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A000000
A000000 Conjectured formulas of the OEIS by Simon Plouffe as of May 09 2023
A000000 Version 1.0 : August 1992, Current version : 2023 05 08
A000000 There are 57138 unique sequence and more than 141208 expressions.
A000000
A000000
A000000             ln(nbr_of_terms) x length_of_sequence
A000000    Score := -----------------------------------
A000000                  length_of_formula
A000000
A000000
A000000
A000000 If the score is high the reliability of the formula is good.
A000000
A000000 A score near 1 is not good, a score of 20+ is excellent.
A000000 Some formulas are in double for many reasons, the sign or the factorization
A000000 of the expression makes a change in length. The intention of the author
A000000 is to keep the list as clean as possible, with time it will be done...
A000000 These formulas are suggested, most of them are the true ones, in some
A000000 cases the formula found automatically are better than the original
A000000 reference.
A000000
A000000 Some formulas are false positives, in some rare cases, even false
A000000 the formula found is sometimes as interesting as the original.
A000000
A000000 Some formulas appear with the value I (complex),
A000000 it is not an error most of the time. On the other hand,
A000000 to correctly evaluate the series it is necessary to :
A000000 develop in series (ordinary or exponential).
A000000 collect the terms,
A000000 evaluate in floating point,
A000000 evaluate in absolute value.
################################################################################
Sequence:  A000004
Score: 13.1249
Type of gen. func.: ogf


                              {a(n + 1), a(0) = 0}



------------------------------------------------------------------------------

Sequence:  A000007
Score: 12.0781
Type of gen. func.: ogf


                             {-a(n + 1), a(0) = 1}



------------------------------------------------------------------------------

Sequence:  A000008
Score: 25.5586
Type of gen. func.: ogf_with_Euler_transform]


                                 9    4
                                x  + x  + x + 1



------------------------------------------------------------------------------

Sequence:  A000008
Score: 5.84027
Type of gen. func.: ogf
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$$\frac{1}{(x^4 - x^3 + x^2 - x + 1)\,(x + 1)^2\,(x^4 + x^3 + x^2 + x + 1)^2\,(x - 1)^4}$$

Sequence: A000009
Score: 33.6616
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{1}{-x^2 + 1}$$

Sequence: A000012
Score: 15.8359
Type of gen. func.: ogf

$$\{a(n + 1) - a(n),\ a(0) = 1\}$$

Sequence: A000012
Score: 20.0845
Type of gen. func.: ogf

$$-f(x)\,x + f(x) - 1$$

Sequence: A000012
Score: 34.3110
Type of gen. func.: lgdogf

$$\frac{1}{-x + 1}$$

Sequence: A000012
Score: 39.2126
Type of gen. func.: ogf

$$-\frac{1}{x - 1}$$

Sequence: A000023
Score: 17.0100
Type of gen. func.: lgdegf]

$$-\frac{1 - 2x}{-x + 1}$$

Sequence: A000023
Score: 26.9652
Type of gen. func.: lgdegf]

$$(1 - 2x)\, f(x) + (-x + 1)\, f(x)^2$$

Sequence: A000023
Score: 5.07762
Type of gen. func.: ogf

$$\{(2n + 4)\, a(n + 1) + (n + 1)\, a(n + 2) - a(n + 3),\ a(0) = 1,\ a(1) = -1,\ a(2) = 2\}$$

Sequence: A000027
Score: 106.665
Type of gen. func.: lgdogf

$$-\frac{2}{x - 1}$$

Sequence: A000027
Score: 11.4983
Type of gen. func.: ogf

$$-(f(x) + 1)\,(f(x)\, x^2 - 2 f(x)\, x + f(x) - 1)$$

Sequence: A000027
Score: 11.9190
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\, a(n + 1) - a(n),\ a(0) = 1,\ a(1) = 2\}$$

Sequence: A000027
Score: 29.6169
Type of gen. func.: ogf

$$\frac{1}{(x - 1)^{2}}$$

Sequence: A000027
Score: 34.9056
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A000032
Score: 11.2277
Type of gen. func.: lgdogf

$$- \frac{-x^{2} + 4 x + 1}{-x^{3} + x^{2} + 3 x - 2}$$

Sequence: A000032
Score: 15.9683
Type of gen. func.: ogf

$$\frac{x - 2}{x^{2} + x - 1}$$

Sequence: A000032
Score: 24.2803
Type of gen. func.: lgdogf

$$- \frac{x^{2} - 4 x - 1}{(x - 2) (x^{2} + x - 1)}$$

Sequence: A000032
Score: 8.76309
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 2, a(1) = 1\}$$

Sequence: A000032
Score: 9.13785
Type of gen. func.: ogf

$$(20 f(x) - 39) (f(x) x^{2} + f(x) x - f(x) - x + 2)$$

Sequence: A000034
Score: 13.4841
Type of gen. func.: ogf

$$-(5 f(x) + 2) (f(x) x^{2} - f(x) + 2 x + 1)$$

Sequence: A000034
Score: 14.9589
Type of gen. func.: lgdogf

$$- \frac{-2 x^{2} - 2 x - 2}{-2 x^{3} - x^{2} + 2 x + 1}$$

Sequence: A000034
Score: 14.9589
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A000034
Score: 23.3505
Type of gen. func.: ogf

$$2 x + 1$$

$$-\frac{}{(x - 1)(x + 1)}$$

Sequence: A000034
Score: 27.6138
Type of gen. func.: revogf

$$\frac{-1 + (4 x^2 + 8 x + 1)^{1/2}}{2 (2 + x)}$$

Sequence: A000034
Score: 28.4506
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + x + 1)}{(x - 1) (2 x + 1) (x + 1)}$$

Sequence: A000035
Score: 11.8196
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A000035
Score: 18.1618
Type of gen. func.: ogf

$$f(x) x^2 - f(x) + x$$

Sequence: A000035
Score: 20.6843
Type of gen. func.: lgdogf

$$\frac{2 x}{-x^2 + 1}$$

Sequence: A000035
Score: 25.6770
Type of gen. func.: ogf

$$-\frac{x}{(x - 1)(x + 1)}$$

Sequence: A000035
Score: 37.4107
Type of gen. func.: revogf

$$\frac{-1 + (4 x^{2} + 1)^{1/2}}{2 x}$$

Sequence: A000035
Score: 57.1617
Type of gen. func.: ogf_with_Euler_transform]

$$[x]$$

Sequence: A000035
Score: 57.2163
Type of gen. func.: lgdogf

$$-\frac{2 x}{(x - 1)(x + 1)}$$

Sequence: A000038
Score: 12.0781
Type of gen. func.: ogf

$$\{-a(n + 1), a(0) = 2\}$$

Sequence: A000038
Score: 22.0557
Type of gen. func.: ogf

$$2 - f(x)$$

Sequence: A000041
Score: 43.1807
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{1}{-x + 1}$$

Sequence: A000042
Score: 13.4232
Type of gen. func.: lgdogf

$$-\frac{20 x - 11}{10 x^2 - 11 x + 1}$$

Sequence: A000042
Score: 13.9331
Type of gen. func.: revogf

$$-\frac{-11 x - 1 + (81 x^2 + 22 x + 1)^{1/2}}{20 x}$$

Sequence: A000042
Score: 19.9430
Type of gen. func.: ogf

$$\frac{1}{(10 x - 1) (x - 1)}$$

Sequence: A000042
Score: 20.1255
Type of gen. func.: lgdogf

$$-\frac{20 x - 11}{(10 x - 1) (x - 1)}$$

Sequence: A000042

Score: 8.11634
Type of gen. func.: ogf

$$(101 f(x) + 20) (10 f(x) x^2 - 11 f(x) x + f(x) - 1)$$

Sequence: A000042
Score: 8.21182
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 11\}$$

Sequence: A000044
Score: 10.0076
Type of gen. func.: lgdogf

$$- \frac{-11 x^{10} - 9 x^8 - 7 x^6 - 5 x^4 - 3 x^2 - 1}{-x^{11} - x^9 - x^7 - x^5 - x^3 - x + 1}$$

Sequence: A000044
Score: 18.0439
Type of gen. func.: ogf

$$- \frac{1}{x^{11} + x^9 + x^7 + x^5 + x^3 + x - 1}$$

Sequence: A000044
Score: 18.3645
Type of gen. func.: lgdogf

$$- \frac{11 x^{10} + 9 x^8 + 7 x^6 + 5 x^4 + 3 x^2 + 1}{x^{11} + x^9 + x^7 + x^5 + x^3 + x - 1}$$

Sequence: A000045
Score: 10.1779
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A000045
Score: 13.9731
Type of gen. func.: ogf

$$f(x) x^2 + f(x) x - f(x) + x$$

Sequence: A000045
Score: 17.1753
Type of gen. func.: lgdogf

$$-\frac{-2 x - 1}{-x^2 - x + 1}$$

Sequence: A000045
Score: 22.2814
Type of gen. func.: ogf

$$-\frac{x}{x^2 + x - 1}$$

Sequence: A000045
Score: 22.8972
Type of gen. func.: revogf

$$\frac{-x - 1 + (5 x^2 + 2 x + 1)^{1/2}}{2 x}$$

Sequence: A000045
Score: 40.7062
Type of gen. func.: lgdogf

$$-\frac{2 x + 1}{x^2 + x - 1}$$

Sequence: A000051
Score: 10.7704
Type of gen. func.: lgdogf

$$-\frac{-6x^2+8x-3}{-6x^3+13x^2-9x+2}$$

Sequence: A000051
Score: 12.0389
Type of gen. func.: revegf]

$$1/2\ln(2x+3)-\operatorname{arctanh}((2x+4)^{1/2})-1/2\ln(3)+\operatorname{arctanh}(2)$$

Sequence: A000051
Score: 15.5573
Type of gen. func.: ogf

$$-\frac{3x-2}{(2x-1)(x-1)}$$

Sequence: A000051
Score: 18.5464
Type of gen. func.: lgdogf

$$-\frac{6x^2-8x+3}{(x-1)(2x-1)(3x-2)}$$

Sequence: A000051
Score: 7.69317
Type of gen. func.: ogf

$$-(14f(x)+53)(2f(x)x^2-3f(x)x+f(x)+3x-2)$$

Sequence: A000051
Score: 8.53755

Type of gen. func.: ogf

$$\{a(n + 2) - 3\ a(n + 1) + 2\ a(n),\ a(0) = 2,\ a(1) = 3\}$$

Sequence: A000064
Score: 24.6576
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^4 + x + 2$$

Sequence: A000064
Score: 5.64014
Type of gen. func.: ogf

$$- \frac{1}{(x^4 - x^3 + x^2 - x + 1)\ (x + 1)^2\ (x^4 + x^3 + x^2 + x + 1)^2\ (x - 1)^5}$$

Sequence: A000064
Score: 7.56692
Type of gen. func.: lgdogf

$$- \frac{19\ x^9 + 2\ x^8 + 4\ x^7 + 2\ x^6 + 4\ x^5 + 7\ x^4 + 4\ x^3 + 2\ x^2 + 4\ x + 2}{(x - 1)\ (x + 1)\ (x^4 + x^3 + x^2 + x + 1)\ (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A000070
Score: 22.9097
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x - 2}{-x + 1}$$

Sequence: A000071
Score: 11.5479
Type of gen. func.: ogf

$$f(x)\ x^3 - 2\ f(x)\ x - x^2 + f(x)$$

Sequence: A000071
Score: 13.9907
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 2}{x^3 - 2 x + 1}$$

Sequence: A000071
Score: 22.0460
Type of gen. func.: ogf

$$\frac{x^2}{(x - 1) (x^2 + x - 1)}$$

Sequence: A000071
Score: 25.7230
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 2}{(x - 1) (x^2 + x - 1)}$$

Sequence: A000071
Score: 7.90780
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A000073
Score: 12.4474
Type of gen. func.: lgdogf

$$-\frac{-3 x^2 - 2 x - 1}{-x^3 - x^2 - x + 1}$$

Sequence: A000073
Score: 17.7029
Type of gen. func.: ogf

$$-\frac{x^{2}}{x^{3}+x^{2}+x-1}$$

Sequence: A000073
Score: 28.1913
Type of gen. func.: lgdogf

$$-\frac{3x^{2}+2x+1}{x^{3}+x^{2}+x-1}$$

Sequence: A000073
Score: 7.24211
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+2)+a(n+1)+a(n),\ a(0)=0,\ a(1)=0,\ a(2)=1\}$$

Sequence: A000073
Score: 9.83496
Type of gen. func.: ogf

$$-f(x)\,x^{3}-f(x)\,x^{2}-f(x)\,x-x^{2}+f(x)$$

Sequence: A000078
Score: 10.0943
Type of gen. func.: lgdogf

$$-\frac{-4x^{3}-3x^{2}-2x-1}{-x^{4}-x^{3}-x^{2}-x+1}$$

Sequence: A000078
Score: 15.2367
Type of gen. func.: ogf

$$-\frac{x^{3}}{x^{4}+x^{3}+x^{2}+x-1}$$

Sequence: A000078
Score: 21.1555
Type of gen. func.: lgdogf

$$-\frac{4x^{3}+3x^{2}+2x+1}{x^{4}+x^{3}+x^{2}+x-1}$$

Sequence: A000078
Score: 8.15701
Type of gen. func.: ogf

$$-f(x)\,x^{4}-f(x)\,x^{3}-f(x)\,x^{2}-x^{3}-f(x)\,x+f(x)$$

Sequence: A000079
Score: 15.1905
Type of gen. func.: ogf

$$\{a(n+1)-2\,a(n),\ a(0)=1\}$$

Sequence: A000079
Score: 19.266
Type of gen. func.: ogf

$$-2\,f(x)\,x+f(x)-1$$

Sequence: A000079
Score: 28.2109
Type of gen. func.: lgdogf

2

```
-------
1 - 2 x
```

Sequence: A000079
Score: 37.6145
Type of gen. func.: ogf

$$-\frac{1}{2 x - 1}$$

Sequence: A000079
Score: 59.6769
Type of gen. func.: revegf]

$$1/2 \ln(2 x + 1)$$

Sequence: A000079
Score: 70.5272
Type of gen. func.: lgdogf

$$-\frac{2}{2 x - 1}$$

Sequence: A000085
Score: 188.269
Type of gen. func.: lgdegf]

$$x + 1$$

Sequence: A000085
Score: 6.49497
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 1) + a(n + 3) - a(n + 2), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A000090
Score: 13.9288
Type of gen. func.: lgdegf]

$$-\frac{-x^3 + x^2 - 1}{-x + 1}$$

Sequence: A000090
Score: 16.5525
Type of gen. func.: lgdegf]

$$a(n + 4) - a(n + 3), a(0) = 1, a(1) = 1, a(2) = 0, a(3) = 1$$

Sequence: A000096
Score: 16.8824
Type of gen. func.: ogf

$$\frac{x (x - 2)}{(x - 1)^3}$$

Sequence: A000096
Score: 20.0479
Type of gen. func.: lgdogf

$$-\frac{-2 x + 5}{-x^2 + 3 x - 2}$$

Sequence: A000096
Score: 43.1849
Type of gen. func.: lgdogf

$$-\frac{-5 + 2 x}{(x - 1) (x - 2)}$$

Sequence: A000096
Score: 8.51592
Type of gen. func.: ogf

$$-(23 f(x) - 63) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 2 x)$$

Sequence: A000096
Score: 8.66936
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 2, a(2) = 5}

Sequence: A000097
Score: 18.8943
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^2 + 2}{x - 1}$$

Sequence: A000098
Score: 15.7823
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^3 + 2}{x - 1}$$

Sequence: A000100
Score: 13.2653
Type of gen. func.: ogf

$$\frac{x^3}{(x^2 + x - 1) (x^3 + x^2 + x - 1)}$$

Sequence: A000100
Score: 16.3595
Type of gen. func.: lgdogf

$$-\frac{(x + 1) (5 x^3 + 3 x^2 - 2)}{(x^2 + x - 1) (x^3 + x^2 + x - 1)}$$

Sequence: A000100
Score: 5.28757
Type of gen. func.: ogf

$$-(f(x) - 1)\,(f(x)\,x^5 + 2\,f(x)\,x^4 + f(x)\,x^3 - f(x)\,x^2 - x^3 - 2\,f(x)\,x + f(x))$$

Sequence: A000100
Score: 7.87628
Type of gen. func.: lgdogf

$$-\frac{-5\,x^4 - 8\,x^3 - 3\,x^2 + 2\,x + 2}{-x^5 - 2\,x^4 - x^3 + x^2 + 2\,x - 1}$$

Sequence: A000102
Score: 10.5115
Type of gen. func.: ogf

$$\frac{x^4}{(x^3 + x^2 + x - 1)\,(x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A000102
Score: 10.8252
Type of gen. func.: lgdogf

$$-\frac{7\,x^6 + 12\,x^5 + 15\,x^4 + 8\,x^3 - 2\,x - 2}{(x^3 + x^2 + x - 1)\,(x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A000108
Score: 102.638
Type of gen. func.: revogf

$$-x\,(x - 1)$$

Sequence: A000108
Score: 15.6246
Type of gen. func.: lgdogf

$$\frac{2}{(1 - 4 x)^{1/2} (1 + (1 - 4 x)^{1/2})}$$

Sequence: A000108
Score: 22.8653
Type of gen. func.: ogf

$$-1 + f(x) - f(x)^{2} x$$

Sequence: A000108
Score: 27.9922
Type of gen. func.: lgdogf

$$\frac{2}{(1 - 4 x)^{1/2} (1 + (1 - 4 x)^{1/2})}$$

Sequence: A000108
Score: 9.01422
Type of gen. func.: ogf

$$\{(-4 n - 6) a(n + 1) + (n + 3) a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A000110
Score: 143.369
Type of gen. func.: lgdegf]

$$\exp(x)$$

Sequence: A000110
Score: 43.6699
Type of gen. func.: lgdegf]

$$\exp(x)$$

Sequence: A000115

Score: 10.2837
Type of gen. func.: lgdogf

$$-\frac{8x^5+9x^4+4x^3+4x^2+4x+1}{x^6+x^5-x-1}$$

Sequence: A000115
Score: 13.1154
Type of gen. func.: ogf

$$-\frac{1}{(x+1)(x^4+x^3+x^2+x+1)(x-1)^3}$$

Sequence: A000115
Score: 14.0985
Type of gen. func.: lgdogf

$$-\frac{8x^5+9x^4+4x^3+4x^2+4x+1}{(x-1)(x+1)(x^4+x^3+x^2+x+1)}$$

Sequence: A000115
Score: 31.0920
Type of gen. func.: ogf_with_Euler_transform]

$$[x^4+x+1]$$

Sequence: A000118
Score: 14.1217
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4x^2-4x+8}{-x^3-x^2-x-1}$$

Sequence: A000122

Score: 9.06036
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^2 - x + 2}{-x^3 - x^2 - x - 1}$$

Sequence: A000124
Score: 13.3428
Type of gen. func.: ogf

$$-\frac{x^2 - x + 1}{(x - 1)^3}$$

Sequence: A000124
Score: 13.5652
Type of gen. func.: lgdogf

$$-\frac{-x^2 - 2}{-x^3 + 2 x^2 - 2 x + 1}$$

Sequence: A000124
Score: 24.5456
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^2 + x + 2$$

Sequence: A000124
Score: 31.9211
Type of gen. func.: lgdogf

$$-\frac{x^2 + 2}{(x - 1) (x^2 - x + 1)}$$

Sequence: A000124
Score: 7.26704
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A000124
Score: 7.33252
Type of gen. func.: ogf

$$(3 f(x) + 5) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + x^{2} - f(x) - x + 1)$$

Sequence: A000125
Score: 11.4859
Type of gen. func.: ogf

$$\frac{2 x^{2} - 2 x + 1}{(x - 1)^{4}}$$

Sequence: A000125
Score: 12.3832
Type of gen. func.: lgdogf

$$- \frac{-4 x^{2} + 2 x - 2}{-2 x^{3} + 4 x^{2} - 3 x + 1}$$

Sequence: A000125
Score: 22.2061
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^{2} - x + 1)}{(x - 1) (2 x^{2} - 2 x + 1)}$$

Sequence: A000125
Score: 4.00267
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-11 - 3 n) a(n + 3) + (10 + 4 n) a(n + 2) + (-6 - 2 n) a(n + 1), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8\}$$

Sequence: A000125
Score: 7.40681
Type of gen. func.: ogf

$$f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 4 f(x) x - 2 x^{2} + f(x) + 2 x - 1$$

Sequence: A000126
Score: 10.5948
Type of gen. func.: ogf

$$- \frac{x^{3} - x + 1}{(x^{2} + x - 1) (x - 1)^{2}}$$

Sequence: A000126
Score: 16.2887
Type of gen. func.: lgdogf

$$- \frac{x^{5} + x^{4} + 2 x - 2}{(x - 1) (x^{2} + x - 1) (x^{3} - x + 1)}$$

Sequence: A000126
Score: 4.06132
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 1) - a(n + 2) + (2 n + 5) a(n + 3) + (-n - 2) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8\}$$

Sequence: A000126
Score: 5.8483
Type of gen. func.: ogf

4 3 2 3

```
      -f(x) (f(x) x  - f(x) x  - 2 f(x) x  + x  + 3 f(x) x - f(x) - x + 1)


------------------------------------------------------------------------------

Sequence:  A000126
Score: 8.30725
Type of gen. func.: lgdogf


                                 5    4
                                x  + x  + 2 x - 2
                      - ----------------------------------
                         6      4      3      2
                        x  - 3 x  + 2 x  + 2 x  - 3 x + 1


------------------------------------------------------------------------------

Sequence:  A000127
Score: 15.0059
Type of gen. func.: lgdogf


                                4      2
                               x  + 6 x  - 4 x + 2
                     - --------------------------------------
                                 4      3      2
                       (x - 1) (x  - 2 x  + 4 x  - 3 x + 1)


------------------------------------------------------------------------------

Sequence:  A000127
Score: 4.48869
Type of gen. func.: ogf


{(2 n + 4) a(n + 1) + (-3 n + 2) a(n + 2) + (n - 2) a(n + 3), a(0) = 1,

    a(1) = 2, a(2) = 4, a(3) = 8, a(4) = 16, a(5) = 31}


------------------------------------------------------------------------------

Sequence:  A000127
Score: 5.24146
Type of gen. func.: ogf


             5           4            3    4            2      3
-f(x) (f(x) x  - 5 f(x) x  + 10 f(x) x  + x  - 10 f(x) x  - 2 x  + 5 f(x) x

          2
     + 4 x  - f(x) - 3 x + 1)


------------------------------------------------------------------------------

Sequence:  A000127
Score: 8.88288
Type of gen. func.: ogf


                             4      3      2
                            x  - 2 x  + 4 x  - 3 x + 1
```

$$- \frac{}{(x - 1)^5}$$

Sequence: A000127
Score: 9.58948
Type of gen. func.: lgdogf

$$- \frac{-x^4 - 6 x^2 + 4 x - 2}{-x^5 + 3 x^4 - 6 x^3 + 7 x^2 - 4 x + 1}$$

Sequence: A000128
Score: 11.2392
Type of gen. func.: lgdogf

$$- \frac{2 x^5 + 5 x^4 - 4 x^3 - 2 x^2 + 4 x - 2}{(x - 1) (x^2 + x - 1) (x^3 + x^2 - 2 x + 1)}$$

Sequence: A000128
Score: 5.00743
Type of gen. func.: ogf

$$-f(x)^2 \; (f(x) x^5 - 2 f(x) x^4 - f(x) x^3 + 5 f(x) x^2 - x^3 - 4 f(x) x - x^2 + f(x) + 2 x - 1)$$

Sequence: A000128
Score: 7.27041
Type of gen. func.: lgdogf

$$- \frac{-2 x^5 - 5 x^4 + 4 x^3 + 2 x^2 - 4 x + 2}{-x^6 - x^5 + 4 x^4 - 5 x^2 + 4 x - 1}$$

Sequence: A000128
Score: 8.89556
Type of gen. func.: ogf

$$\frac{x^3 + x^2 - 2 x + 1}{(x^2 + x - 1) (x - 1)^3}$$

Sequence: A000129
Score: 13.3343
Type of gen. func.: ogf

$$-f(x) x^2 - 2 f(x) x + f(x) - x$$

Sequence: A000129
Score: 16.3901
Type of gen. func.: lgdogf

$$- \frac{-2 x - 2}{-x^2 - 2 x + 1}$$

Sequence: A000129
Score: 21.2628
Type of gen. func.: ogf

$$- \frac{x}{x^2 + 2 x - 1}$$

Sequence: A000129
Score: 22.8331
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (8 x^2 + 4 x + 1)^{1/2}}{2 x}$$

Sequence: A000129
Score: 38.8163
Type of gen. func.: lgdogf

$$2 (x + 1)$$

```
- ------------
    2
   x  + 2 x - 1
```

Sequence: A000129
Score: 9.71263
Type of gen. func.: ogf

```
{-a(n + 2) + 2 a(n + 1) + a(n), a(0) = 0, a(1) = 1}
```

Sequence: A000132
Score: 13.1532
Type of gen. func.: ogf_with_Euler_transform]

```
        2
   5 x  - 5 x + 10
 - ----------------
      3    2
   -x  - x  - x - 1
```

Sequence: A000134
Score: 7.31382
Type of gen. func.: ogf

```
 9    8    7      6      5      4      3      2
x  - x  + x  + 3 x  + 3 x  + 3 x  + 3 x  + 3 x  + 4 x + 2
---------------------------------------------------------
          6    5    4    3    2                  2
        (x  + x  + x  + x  + x  + x + 1) (x - 1)
```

Sequence: A000138
Score: 11.0657
Type of gen. func.: lgdegf]

```
     4    3
    x  - x  + 1
  - -----------
       x - 1
```

Sequence: A000138
Score: 26.8208
Type of gen. func.: lgdegf]

```
        3    4
-1 + x  - x  + (-x + 1) f(x)
```

Sequence: A000139
Score: 17.9787
Type of gen. func.: revogf

$$1/27 + x/3 - \frac{(-(-1 + 3 x)^{3})^{1/2}}{27}$$

Sequence: A000139
Score: 5.13573
Type of gen. func.: ogf

$$\{(27 n^{2} + 81 n + 60) a(n + 1) + (-4 n^{2} - 22 n - 30) a(n + 2), a(0) = 2,$$
$$a(1) = 1\}$$

Sequence: A000139
Score: 7.73454
Type of gen. func.: ogf

$$-f(x)^{3} x^{2} - 2 f(x)^{2} x + 18 f(x) x - f(x) - 27 x + 2$$

Sequence: A000141
Score: 12.1134
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{6 x^{2} - 6 x + 12}{-x^{3} - x^{2} - x - 1}$$

Sequence: A000142
Score: 17.9717
Type of gen. func.: egf]

$$-f(x) x + f(x) - 1$$

Sequence: A000142

Score: 30.7017
Type of gen. func.: lgdegf]

$$\frac{1}{-x + 1}$$

Sequence: A000142
Score: 35.0876
Type of gen. func.: egf]

$$-\frac{1}{x - 1}$$

Sequence: A000142
Score: 8.37318
Type of gen. func.: ogf

$$\{(-n - 2)\ a(n + 1) + a(n + 2),\ a(0) = 1,\ a(1) = 1\}$$

Sequence: A000142
Score: 80.4776
Type of gen. func.: lgdegf]

$$-\frac{1}{x - 1}$$

Sequence: A000142
Score: 80.4776
Type of gen. func.: revegf]

$$1 - \exp(-x)$$

Sequence: A000143
Score: 13.1203
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{8\ x^{2} - 8\ x + 16}{-x^{3} - x^{2} - x - 1}$$

```
-------------------------------------------------------------------------------

Sequence:  A000144
Score: 10.6807
Type of gen. func.: ogf_with_Euler_transform]


                                    2
                                10 x  - 10 x + 20
                              - -----------------
                                  3    2
                                -x  - x  - x - 1



-------------------------------------------------------------------------------

Sequence:  A000145
Score: 10.1816
Type of gen. func.: ogf_with_Euler_transform]


                                    2
                                12 x  - 12 x + 24
                              - -----------------
                                  3    2
                                -x  - x  - x - 1



-------------------------------------------------------------------------------

Sequence:  A000152
Score: 9.99438
Type of gen. func.: ogf_with_Euler_transform]


                                    2
                                16 x  - 16 x + 32
                              - -----------------
                                  3    2
                                -x  - x  - x - 1



-------------------------------------------------------------------------------

Sequence:  A000153
Score: 5.74110
Type of gen. func.: ogf


           {a(n) n + (n + 2) a(n + 1) - a(n + 2), a(0) = 0, a(1) = 1}



-------------------------------------------------------------------------------

Sequence:  A000165
Score: 16.6592
Type of gen. func.: egf]


                              -2 f(x) x + f(x) - 1



-------------------------------------------------------------------------------
```

Sequence: A000165
Score: 24.3938
Type of gen. func.: lgdegf]

```
    2
 -------
 1 - 2 x
```

Sequence: A000165
Score: 32.5250
Type of gen. func.: egf]

```
       1
  - -------
    2 x - 1
```

Sequence: A000165
Score: 61.0040
Type of gen. func.: lgdegf]

```
       2
  - -------
    2 x - 1
```

Sequence: A000165
Score: 7.76166
Type of gen. func.: ogf

```
{(-2 n - 4) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 2}
```

Sequence: A000166
Score: 24.8285
Type of gen. func.: lgdegf]

```
      x
  - -----
    x - 1
```

Sequence: A000166
Score: 48.0300
Type of gen. func.: lgdegf]

```
-x + (-x + 1) f(x)
```

```
------------------------------------------------------------------------------

Sequence:  A000166
Score: 5.97377
Type of gen. func.: ogf


 {(n + 2) a(n + 1) + (n + 2) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 0, a(2) = 1}



------------------------------------------------------------------------------

Sequence:  A000168
Score: 13.579
Type of gen. func.: ogf


                          2  2
                   27 f(x)  x  - 18 f(x) x + f(x) + 16 x - 1



------------------------------------------------------------------------------

Sequence:  A000168
Score: 17.6700
Type of gen. func.: revogf


                                   2                     3 1/2
                         9 x   27 x    ((x - 1) (9 x - 1) )
                  1/32 + --- - ----- - ----------------------
                         16     32               32



------------------------------------------------------------------------------

Sequence:  A000168
Score: 8.45481
Type of gen. func.: ogf


         {(-12 n - 18) a(n + 1) + (n + 4) a(n + 2), a(0) = 1, a(1) = 2}



------------------------------------------------------------------------------

Sequence:  A000168
Score: 8.96210
Type of gen. func.: revogf


              2                    4        3        2             1/2
          27 x    9 x          (729 x  - 972 x  + 270 x  - 28 x + 1)
        - ----- + --- + 1/32 - ----------------------------------------
           32     16                              32



------------------------------------------------------------------------------

Sequence:  A000172
Score: 3.36768
Type of gen. func.: ogf


     2                              2
```

```
{(8 n  + 32 n + 32) a(n + 1) + (7 n  + 35 n + 44) a(n + 2)

          2
     + (-n  - 6 n - 9) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 10}



------------------------------------------------------------------------------

Sequence:  A000180
Score: 14.9577
Type of gen. func.: lgdegf]


                                     -2 - 3 x
                                   - --------
                                     -3 x + 1



------------------------------------------------------------------------------

Sequence:  A000180
Score: 30.8813
Type of gen. func.: lgdegf]


                           -2 - 3 x + (-3 x + 1) f(x)



------------------------------------------------------------------------------

Sequence:  A000180
Score: 4.43190
Type of gen. func.: ogf


{(-3 n - 6) a(n + 1) + (-3 n - 8) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 2,

    a(2) = 13}



------------------------------------------------------------------------------

Sequence:  A000184
Score: 15.1619
Type of gen. func.: lgdogf


                                24 x - 1
                           - --------------- + 1/2 I
                                         1/2
                             2 (-1 + 4 x)
                           -------------------------
                                          1/2
                                (-1 + 4 x)    x



------------------------------------------------------------------------------

Sequence:  A000184
Score: 6.76581
Type of gen. func.: ogf


       2                               2
{(-16 n  - 136 n - 288) a(n + 1) + (8 n  + 62 n + 114) a(n + 2)
```

$$+ (-n^2 - 7 n - 12) a(n + 3), a(0) = 2, a(1) = 22, a(2) = 164\}$$

Sequence: A000193
Score: 12.7668
Type of gen. func.: ogf

$$- \frac{x (x + 1) (x^2 - x + 1) (x^{29} - x^{26} + x^{23} - x^{20} + x^{17} - x^{14} + x^{11} + 1)}{x - 1}$$

Sequence: A000193
Score: 6.72679
Type of gen. func.: lgdogf

$$(31 x^{32} - 32 x^{31} + 10 x^{11} - 11 x^{10} + 2 x^3 - 3 x^2 - 1) / ((x - 1) (x + 1) (x^2 - x + 1) (x^{29} - x^{26} + x^{23} - x^{20} + x^{17} - x^{14} + x^{11} + 1))$$

Sequence: A000194
Score: 19.4627
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^2 - x - 1}{x^2 + 1}$$

Sequence: A000202
Score: 8.05191
Type of gen. func.: ogf

$$\frac{x^8 + x^7 + 2 x^6 + x^5 + 2 x^4 + 2 x^3 + x^2 + 2 x + 1}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A000204
Score: 10.0525
Type of gen. func.: ogf

$\{a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 3\}$

Sequence: A000204
Score: 12.8797
Type of gen. func.: lgdogf

$$-\frac{-2 x^{2} - 2 x - 3}{-2 x^{3} - 3 x^{2} + x + 1}$$

Sequence: A000204
Score: 13.0841
Type of gen. func.: ogf

$$f(x) x^{2} + f(x) x - f(x) + 2 x + 1$$

Sequence: A000204
Score: 18.3178
Type of gen. func.: ogf

$$-\frac{2 x + 1}{x^{2} + x - 1}$$

Sequence: A000204
Score: 21.8823
Type of gen. func.: revogf

$$\frac{-x - 1 + (5 x^{2} + 10 x + 1)^{1/2}}{2 (2 + x)}$$

Sequence: A000204
Score: 25.3015
Type of gen. func.: lgdogf

```
                 2
            2 x  + 2 x + 3
      - ----------------------
                      2
```

```
(2 x + 1) (x  + x - 1)
```

Sequence: A000211
Score: 10.7714
Type of gen. func.: lgdogf

```
      4       3       2
     x  + 10 x  - 10 x  - 2 x + 3
- -----------------------------------
            2              2
  (x - 1) (x  + 5 x - 4) (x  + x - 1)
```

Sequence: A000211
Score: 11.4440
Type of gen. func.: ogf

```
       2
      x  + 5 x - 4
- --------------------
            2
  (x - 1) (x  + x - 1)
```

Sequence: A000211
Score: 6.38457
Type of gen. func.: ogf

```
                      3               2
(5 f(x) + 393) (f(x) x  - 2 f(x) x + x  + f(x) + 5 x - 4)
```

Sequence: A000211
Score: 6.45249
Type of gen. func.: ogf

```
{a(n + 3) - 2 a(n + 2) + a(n), a(0) = 4, a(1) = 3, a(2) = 5}
```

Sequence: A000212
Score: 10.6927
Type of gen. func.: lgdogf

```
     3      2
  4 x  + 7 x  + 4 x + 3
- ---------------------
      4    3
     x  + x  - x - 1
```

Sequence: A000212
Score: 17.7185
Type of gen. func.: lgdogf

$$-\frac{4x^3+7x^2+4x+3}{(x-1)(x+1)(x^2+x+1)}$$

Sequence: A000212
Score: 30.6506
Type of gen. func.: ogf_with_Euler_transform]

$$x^2-x+3$$

Sequence: A000212
Score: 9.99835
Type of gen. func.: ogf

$$-\frac{x^2(x+1)}{(x^2+x+1)(x-1)^3}$$

Sequence: A000213
Score: 10.5952
Type of gen. func.: lgdogf

$$-\frac{x^4-4x^2-1}{x^5+x^4-2x^2-x+1}$$

Sequence: A000213
Score: 14.1269
Type of gen. func.: ogf

$$\frac{(x-1)(x+1)}{x^3+x^2+x-1}$$

Sequence: A000213
Score: 18.8284
Type of gen. func.: lgdogf

$$-\frac{x^4 - 4 x^2 - 1}{(x - 1) (x + 1) (x^3 + x^2 + x - 1)}$$

Sequence: A000213
Score: 7.18960
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) + a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A000213
Score: 7.52556
Type of gen. func.: ogf

$$(f(x) - 1) (f(x) x^3 + f(x) x^2 + f(x) x - x^2 - f(x) + 1)$$

Sequence: A000216
Score: 8.23810
Type of gen. func.: ogf

$$-\frac{18 x^8 + 42 x^7 + 145 x^6 + 89 x^5 + 58 x^4 + 37 x^3 + 16 x^2 + 4 x + 2}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A000217
Score: 10.8272
Type of gen. func.: ogf

$$f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + x$$

Sequence: A000217
Score: 20.3341
Type of gen. func.: ogf

$$-\frac{x}{(x-1)^3}$$

Sequence: A000217

Score: 29.7749

Type of gen. func.: lgdogf

$$\frac{3}{-x+1}$$

Sequence: A000217

Score: 7.51078

Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 3\}$$

Sequence: A000217

Score: 91.3033

Type of gen. func.: lgdogf

$$-\frac{3}{x-1}$$

Sequence: A000218

Score: 6.22524

Type of gen. func.: ogf

$$(45\,x^{12} + 61\,x^{11} + 61\,x^{10} - 33\,x^{9} - 142\,x^{8} - 89\,x^{7} - 58\,x^{6} - 37\,x^{5} - 61\,x^{4} - 65\,x^{3} - 81\,x^{2} - 9\,x - 3) \Big/ ((x-1)\,(x+1)\,(x^{2}+1)\,(x^{4}+1))$$

Sequence: A000219

Score: 28.6168

Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{1}{}$$

$$-x^2 + 2x - 1$$

Sequence: A000221
Score: 6.85553
Type of gen. func.: ogf

$$(27x^{11} - 8x^{10} + 9x^9 + x^8 - 20x^7 - 42x^6 - 145x^5 - 89x^4 - 85x^3 - 29x^2 - 25x - 5) \Big/ ((x - 1)(x + 1)(x^2 + 1)(x^4 + 1))$$

Sequence: A000225
Score: 13.3284
Type of gen. func.: ogf

$$-2 f(x) x^2 + 3 f(x) x - f(x) + x$$

Sequence: A000225
Score: 15.4429
Type of gen. func.: lgdogf

$$-\frac{4x - 3}{2x^2 - 3x + 1}$$

Sequence: A000225
Score: 22.1446
Type of gen. func.: revogf

$$-\frac{-1 - 3x + (x^2 + 6x + 1)^{1/2}}{4x}$$

Sequence: A000225
Score: 22.4624
Type of gen. func.: ogf

$$\frac{x}{(2x - 1)(x - 1)}$$

Sequence: A000225
Score: 30.4488
Type of gen. func.: lgdogf

$$-\frac{4x-3}{(2x-1)(x-1)}$$

Sequence: A000225
Score: 9.15136
Type of gen. func.: ogf

$$\{a(n+2)-3a(n+1)+2a(n),\ a(0)=0,\ a(1)=1\}$$

Sequence: A000240
Score: 10.2277
Type of gen. func.: lgdegf]

$$-\frac{x^3-2x^2+3x}{x^3-2x^2+2x-1}$$

Sequence: A000240
Score: 22.1358
Type of gen. func.: lgdegf]

$$-\frac{x(x^2-2x+3)}{(x-1)(x^2-x+1)}$$

Sequence: A000240
Score: 4.18966
Type of gen. func.: ogf

$$\{(n^2+7n+12)a(n+1)+(n^2+6n+8)a(n+2)+(-n-3)a(n+3),$$

$$a(0)=1,\ a(1)=0,\ a(2)=3\}$$

Sequence: A000241
Score: 5.21248
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + 3 x + 3$$

Sequence: A000244
Score: 14.4182
Type of gen. func.: ogf

$$\{a(n + 1) - 3 a(n), a(0) = 1\}$$

Sequence: A000244
Score: 18.2865
Type of gen. func.: ogf

$$-3 f(x) x + f(x) - 1$$

Sequence: A000244
Score: 26.7766
Type of gen. func.: lgdogf

$$\frac{3}{-3 x + 1}$$

Sequence: A000244
Score: 35.7021
Type of gen. func.: ogf

$$-\frac{1}{-1 + 3 x}$$

Sequence: A000244
Score: 56.6474
Type of gen. func.: revegf]

$$1/3 \ln(1 + 3 x)$$

Sequence: A000244
Score: 66.9469
Type of gen. func.: lgdogf

$$-\frac{3}{-1 + 3 x}$$

Sequence: A000245
Score: 12.8845
Type of gen. func.: lgdogf

$$\frac{6}{(1 - 4 x)^{1/2} (1 + (1 - 4 x)^{1/2})}$$

Sequence: A000245
Score: 13.1029
Type of gen. func.: ogf

$$f(x)^2 x^2 + 3 f(x) x - f(x) + x$$

Sequence: A000245
Score: 23.1234
Type of gen. func.: lgdogf

$$\frac{6}{(1 - 4 x)^{1/2} (1 + (1 - 4 x)^{1/2})}$$

Sequence: A000245
Score: 33.1771
Type of gen. func.: revogf

$$\frac{8 x}{(1 + (1 + 4 x)^{1/2})^3}$$

Sequence: A000245
Score: 6.38901

Type of gen. func.: ogf

$$\{(4 n^2 + 14 n + 12) a(n + 1) + (-n^2 - 5 n - 4) a(n + 2), a(0) = 0, a(1) = 1\}$$

Sequence: A000246
Score: 14.2697
Type of gen. func.: egf]

$$-f(x)^2 x + f(x)^2 - x - 1$$

Sequence: A000246
Score: 24.9719
Type of gen. func.: lgdegf]

$$\frac{1}{-x^2 + 1}$$

Sequence: A000246
Score: 35.9253
Type of gen. func.: lgdegf]

$$-\frac{1}{(x - 1) (x + 1)}$$

Sequence: A000246
Score: 6.85504
Type of gen. func.: ogf

$$\{(n^2 + n) a(n) - a(n + 2) + a(n + 1), a(0) = 1, a(1) = 1\}$$

Sequence: A000247
Score: 11.7550
Type of gen. func.: ogf

$$\frac{x (2 x - 3)}{(2 x - 1) (x - 1)^2}$$

Sequence: A000247
Score: 16.4958
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^{2} - 10 x + 5)}{(x - 1) (2 x - 1) (2 x - 3)}$$

Sequence: A000247
Score: 5.77617
Type of gen. func.: ogf

$$-(449 f(x) - 1450) (2 f(x) x^{3} - 5 f(x) x^{2} + 4 f(x) x - 2 x^{2} - f(x) + 3 x)$$

Sequence: A000247
Score: 5.98246
Type of gen. func.: ogf

$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 0, a(1) = 3, a(2) = 10\}$

Sequence: A000247
Score: 9.85347
Type of gen. func.: lgdogf

$$- \frac{-8 x^{2} + 20 x - 10}{-4 x^{3} + 12 x^{2} - 11 x + 3}$$

Sequence: A000248
Score: 10.3973
Type of gen. func.: lgdegf]

$(n + 3) a(n + 3) + n a(n + 2) - a(n + 1), a(0) = 1, a(1) = 2, a(2) = 3/2$

Sequence: A000248
Score: 15.9625
Type of gen. func.: lgdegf]

$$\exp(x)\, x + \exp(x)$$

Sequence: A000253
Score: 15.2068
Type of gen. func.: ogf

$$\frac{x}{(2 x - 1) (x^3 - x^2 + 2 x - 1)}$$

Sequence: A000253
Score: 15.9725
Type of gen. func.: lgdogf

$$- \frac{8 x^3 - 9 x^2 + 10 x - 4}{(2 x - 1) (x^3 - x^2 + 2 x - 1)}$$

Sequence: A000253
Score: 6.00914
Type of gen. func.: ogf

$$-(127 f(x) + 28) (2 f(x) x^4 - 3 f(x) x^3 + 5 f(x) x^2 - 4 f(x) x + f(x) - x)$$

Sequence: A000253
Score: 9.19919
Type of gen. func.: lgdogf

$$- \frac{8 x^3 - 9 x^2 + 10 x - 4}{2 x^4 - 3 x^3 + 5 x^2 - 4 x + 1}$$

Sequence: A000254
Score: 4.91059
Type of gen. func.: ogf

$\{(n^2 + 4 n + 4) a(n + 1) + (-2 n - 5) a(n + 2) + a(n + 3), a(0) = 0, a(1) = 1,$

$a(2) = 3\}$

Sequence: A000255
Score: 13.7804
Type of gen. func.: lgdegf]

$$-\frac{-1 - x}{-x + 1}$$

Sequence: A000255
Score: 35.9488
Type of gen. func.: lgdegf]

$$-1 - x + (-x + 1) f(x)$$

Sequence: A000255
Score: 4.11354
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 1) + (-n - 3) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 1, a(2) = 3$$

$$\}$$

Sequence: A000256
Score: 3.00927
Type of gen. func.: ogf

$$-f(x)^3 x^3 - 8 f(x)^3 x^2 + 6 f(x)^2 x^3 - 16 f(x)^3 x + 51 f(x)^2 x^2 - 12 f(x) x^3$$

$$+ 76 f(x)^2 x - 108 f(x) x^2 + 8 x^3 - 115 f(x) x + 76 x^2 + f(x) + 54 x - 1$$

Sequence: A000257
Score: 4.65430
Type of gen. func.: ogf

$$\{(8 n^2 + 4 n) a(n) + (-17 n^2 - 59 n - 48) a(n + 1)$$

$$+ (2 n^2 + 12 n + 16) a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A000257
Score: 7.8415
Type of gen. func.: ogf

$$16 f(x)^{2} x^{2} - 8 f(x) x^{2} - 12 f(x) x + x^{2} + f(x) + 11 x - 1$$

Sequence: A000259
Score: 5.71094
Type of gen. func.: ogf

$$f(x)^{3} x^{4} + 11 f(x)^{3} x^{3} - f(x)^{3} x^{2} + 11 f(x)^{2} x^{2} - 2 f(x)^{2} x + 5 f(x) x - f(x) + 1$$

Sequence: A000259
Score: 6.90504
Type of gen. func.: revogf

$$\frac{(5 x^{2} + 4 x + 1) (5 x^{2} + 2 x + 1)^{1/2}}{2 x^{3}} - \frac{11 x^{3} + 11 x^{2} + 5 x + 1}{2 x^{3}}$$

Sequence: A000260
Score: 14.6456
Type of gen. func.: revogf

$$1/32 + \frac{5 x}{8} - \frac{x^{2}}{4} - \frac{(-(8 x - 1)^{3})^{1/2}}{32}$$

Sequence: A000260
Score: 4.07455
Type of gen. func.: ogf

$$\{(-256 n^{3} - 1408 n^{2} - 2544 n - 1512) a(n + 1) + (27 n^{3} + 216 n^{2} + 573 n + 504) a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A000260
Score: 7.21243
Type of gen. func.: revogf

$$-\frac{x^2}{4}+\frac{5x}{8}+1/32-\frac{(-512x^3+192x^2-24x+1)^{1/2}}{32}$$

Sequence: A000261
Score: 6.80029
Type of gen. func.: ogf

$$\{-a(n)\,n+(-n-3)\,a(n+1)+a(n+2),\ a(0)=0,\ a(1)=1\}$$

Sequence: A000262
Score: 15.7276
Type of gen. func.: lgdegf]

$$1+(-x^2+2x)\,f(x)+(-x^2+2x-1)\,f(x)^2$$

Sequence: A000262
Score: 20.4352
Type of gen. func.: lgdegf]

$$-\frac{1}{-x^2+2x-1}$$

Sequence: A000262
Score: 6.23447
Type of gen. func.: ogf

$$\{(n^2+n)\,a(n)+(-2n-3)\,a(n+1)+a(n+2),\ a(0)=1,\ a(1)=1\}$$

Sequence: A000266
Score: 15.0895
Type of gen. func.: lgdegf]

$$x^2-x+1$$

```
- ----------
    x - 1
```

Sequence: A000266
Score: 3.85265
Type of gen. func.: ogf

$$\{(-n^2 - 5 n - 6) a(n + 1) + (n + 3) a(n + 2) + (-n - 4) a(n + 3) + a(n + 4),$$
$$a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 3\}$$

Sequence: A000266
Score: 37.4609
Type of gen. func.: lgdegf]

$$-1 + x - x^2 + (-x + 1) f(x)$$

Sequence: A000271
Score: 3.68254
Type of gen. func.: ogf

$$\{a(n + 1) + (n + 3) a(n + 2) + (n + 3) a(n + 3) - a(n + 4), a(0) = 1, a(1) = 0,$$
$$a(2) = 0, a(3) = 1\}$$

Sequence: A000274
Score: 10.4384
Type of gen. func.: lgdegf]

$$-\frac{x^5 - 3 x^4 + 9 x^3 - x^2 + 12 x + 6}{(x - 1) (x^4 - 2 x^3 + 5 x^2 + 2)}$$

Sequence: A000274
Score: 14.7659
Type of gen. func.: lgdegf]

$$-\frac{-1 - x}{-x + 1}$$

Sequence: A000274
Score: 3.60145
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) + (n^2 + 4 n + 3) a(n + 2) + (-1 - n) a(n + 3),$$
$$a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A000285
Score: 10.8786
Type of gen. func.: ogf

$$(3 f(x) + 5) (f(x) x^2 + f(x) x - f(x) + 3 x + 1)$$

Sequence: A000285
Score: 11.2766
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A000285
Score: 14.4481
Type of gen. func.: lgdogf

$$- \frac{-3 x^2 - 2 x - 4}{-3 x^3 - 4 x^2 + 2 x + 1}$$

Sequence: A000285
Score: 15.9705
Type of gen. func.: revogf

$$\frac{-x - 1 + (5 x^2 + 14 x + 1)^{1/2}}{2 (3 + x)}$$

Sequence: A000285
Score: 18.4659

Type of gen. func.: lgdogf

$$-\frac{3x^2+2x+4}{(1+3x)(x^2+x-1)}$$

Sequence: A000285
Score: 20.5484
Type of gen. func.: ogf

$$-\frac{1+3x}{x^2+x-1}$$

Sequence: A000288
Score: 10.0329
Type of gen. func.: ogf

$$\frac{2x^3+x^2-1}{x^4+x^3+x^2+x-1}$$

Sequence: A000288
Score: 11.0489
Type of gen. func.: lgdogf

$$-\frac{2x^6+2x^5-x^4-8x^3+2x^2-1}{(2x^3+x^2-1)(x^4+x^3+x^2+x-1)}$$

Sequence: A000288
Score: 5.50678
Type of gen. func.: ogf

$$(3f(x)-4)(f(x)x^4+f(x)x^3+f(x)x^2-2x^3+f(x)x-x^2-f(x)+1)$$

Sequence: A000290
Score: 14.5547

Type of gen. func.: ogf

$$-\frac{(x + 1)\, x}{(x - 1)^{3}}$$

Sequence: A000290
Score: 18.8549
Type of gen. func.: lgdogf

$$-\frac{2 x + 4}{x^{2} - 1}$$

Sequence: A000290
Score: 38.9438
Type of gen. func.: lgdogf

$$-\frac{2 (2 + x)}{(x - 1) (x + 1)}$$

Sequence: A000290
Score: 39.3065
Type of gen. func.: ogf_with_Euler_transform]

$$[4 - x]$$

Sequence: A000290
Score: 7.34173
Type of gen. func.: ogf

$$-(92 f(x) - 63) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + x^{2} - f(x) + x)$$

Sequence: A000290
Score: 7.47402
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 4\}$$

Sequence: A000292
Score: 15.8481
Type of gen. func.: ogf

$$\frac{x}{(x - 1)^4}$$

Sequence: A000292
Score: 27.7342
Type of gen. func.: lgdogf

$$\frac{4}{-x + 1}$$

Sequence: A000292
Score: 6.36524
Type of gen. func.: ogf

$$-(14 f(x) + 9) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + f(x) - x)$$

Sequence: A000292
Score: 7.53941
Type of gen. func.: ogf

$$\{(n + 1) a(n + 2) + (-n - 4) a(n + 1), a(0) = 0, a(1) = 1\}$$

Sequence: A000292
Score: 85.0154
Type of gen. func.: lgdogf

$$- \frac{4}{x - 1}$$

Sequence: A000294
Score: 32.1032
Type of gen. func.: ogf_with_Euler_transform]

$$1$$

$$\overline{-x^3 + 3 x^2 - 3 x + 1}$$

Sequence: A000295
Score: 16.3094
Type of gen. func.: lgdogf

$$-\frac{6 x - 4}{2 x^2 - 3 x + 1}$$

Sequence: A000295
Score: 19.0940
Type of gen. func.: ogf

$$-\frac{x^2}{(2 x - 1) (x - 1)^2}$$

Sequence: A000295
Score: 29.8384
Type of gen. func.: lgdogf

$$-\frac{2 (3 x - 2)}{(2 x - 1) (x - 1)}$$

Sequence: A000295
Score: 7.11684
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A000295
Score: 9.66484
Type of gen. func.: ogf

$$2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x + x^2 - f(x)$$

Sequence: A000296
Score: 17.1054
Type of gen. func.: lgdegf]

$$-a(n) + (n + 1) a(n + 1), a(0) = 0, a(1) = 1$$

Sequence: A000296
Score: 28.6032
Type of gen. func.: lgdegf]

$$-1 + \exp(x)$$

Sequence: A000297
Score: 11.0028
Type of gen. func.: ogf

$$\frac{x (x - 2)^2}{(x - 1)^4}$$

Sequence: A000297
Score: 16.7334
Type of gen. func.: lgdogf

$$- \frac{-2 x + 6}{-x^2 + 3 x - 2}$$

Sequence: A000297
Score: 35.9902
Type of gen. func.: lgdogf

$$- \frac{2 (-3 + x)}{(x - 1) (x - 2)}$$

Sequence: A000297
Score: 5.35470
Type of gen. func.: ogf

```
{(-2 n - 4) a(n + 3) + (9 + 3 n) a(n + 2) + (-n - 2) a(n + 1), a(0) = 0,

    a(1) = 4, a(2) = 12}
```

Sequence: A000297
Score: 5.82033
Type of gen. func.: ogf

```
(268 f(x) + 1793)

           4            3            2    3                  2
    (f(x) x  - 4 f(x) x  + 6 f(x) x  - x  - 4 f(x) x + 4 x  + f(x) - 4 x)
```

Sequence: A000302
Score: 13.8040
Type of gen. func.: ogf

```
                         {a(n + 1) - 4 a(n), a(0) = 1}
```

Sequence: A000302
Score: 17.5075
Type of gen. func.: ogf

```
                              -4 f(x) x + f(x) - 1
```

Sequence: A000302
Score: 25.6361
Type of gen. func.: lgdogf

```
                                    4
                                 -------
                                 1 - 4 x
```

Sequence: A000302
Score: 34.1814
Type of gen. func.: ogf

```
                                     1
                                - --------
                                  -1 + 4 x
```

Sequence: A000302

Score: 54.2257
Type of gen. func.: revegf]

$$\frac{1}{4} \ln(1 + 4 x)$$

Sequence: A000302
Score: 64.0850
Type of gen. func.: lgdogf

$$- \frac{4}{-1 + 4 x}$$

Sequence: A000305
Score: 3.30698
Type of gen. func.: ogf

$$f(x)^3 x^4 + 11 f(x)^3 x^3 - f(x)^3 x^2 + 3 f(x)^2 x^3 + 26 f(x)^2 x^2 - 4 f(x)^2 x + 3 f(x) x^2 + 19 f(x) x - 4 f(x) + x + 4$$

Sequence: A000305
Score: 9.38727
Type of gen. func.: revogf

$$\frac{-11 x^2 - 15 x - 4 + ((x + 1) (5 x + 1) (4 + 5 x)^2)^{1/2}}{2 (x + 1)^2}$$

Sequence: A000309
Score: 16.4337
Type of gen. func.: revogf

$$1/54 + \frac{2 x}{3} - \frac{(-(12 x - 1)^3)^{1/2}}{54}$$

Sequence: A000309
Score: 4.69730
Type of gen. func.: ogf

$\{(27 n^2 + 81 n + 60) a(n + 1) + (-2 n^2 - 11 n - 15) a(n + 2), a(0) = 1,$

$a(1) = 1\}$

Sequence: A000309
Score: 8.72116
Type of gen. func.: ogf

$$-16 f(x)^3 x^2 - 8 f(x)^2 x + 36 f(x) x - f(x) - 27 x + 1$$

Sequence: A000311
Score: 19.6595
Type of gen. func.: revegf]

$$2 x + 1 - \exp(x)$$

Sequence: A000311
Score: 51.6763
Type of gen. func.: revegf]

$$2 x + 1 - \exp(x)$$

Sequence: A000312
Score: 8.76435
Type of gen. func.: revegf]

$$(\ln(x - 1) - \mathrm{Pi}\ I) (x - 1)$$

Sequence: A000313
Score: 18.0291
Type of gen. func.: lgdegf]

$$- \frac{-1 - x}{-x + 1}$$

Sequence: A000313
Score: 4.42431
Type of gen. func.: ogf

```
   2                         2
{(n  + 5 n + 6) a(n + 1) + (n  + 3 n) a(n + 2) - n a(n + 3), a(0) = 0, a(1) = 0,

    a(2) = 0, a(3) = 1}
```

Sequence: A000313
Score: 7.97808
Type of gen. func.: lgdegf]

```
               7      6       5       4       3       2
              x  - 8 x  + 30 x  - 52 x  + 77 x  - 12 x  + 60 x + 24
            - -----------------------------------------------------
                           6      5       4       3       2
                 (x - 1) (x  - 6 x  + 18 x  - 22 x  + 27 x  + 6)
```

Sequence: A000321
Score: 111.588
Type of gen. func.: lgdegf]

```
                                    -2 x - 1
```

Sequence: A000321
Score: 6.39616
Type of gen. func.: ogf

```
   {(2 n + 4) a(n + 1) + a(n + 3) + a(n + 2), a(0) = 1, a(1) = -1, a(2) = -1}
```

Sequence: A000322
Score: 4.56158
Type of gen. func.: ogf

```
                    5         4         3      4         2      3             2
(3 f(x) - 5) (f(x) x  + f(x) x  + f(x) x  - 3 x  + f(x) x  - 2 x  + f(x) x - x

     - f(x) + 1)
```

Sequence: A000322
Score: 7.90078
Type of gen. func.: lgdogf

```
                  8      7      6      5       4      3      2
               3 x  + 4 x  + 2 x  - 4 x  - 15 x  + 4 x  + 2 x  - 1
             - ---------------------------------------------------
                   4      3    2        5    4    3    2
```

$$(3 x + 2 x + x - 1) (x + x + x + x + x - 1)$$

Sequence: A000322
Score: 8.14934
Type of gen. func.: ogf

$$\frac{3 x^4 + 2 x^3 + x^2 - 1}{x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A000325
Score: 11.4767
Type of gen. func.: ogf

$$-\frac{3 x^2 - 3 x + 1}{(2 x - 1) (x - 1)^2}$$

Sequence: A000325
Score: 13.7243
Type of gen. func.: lgdogf

$$-\frac{6 x^3 - 6 x^2 + 3 x - 1}{(x - 1) (2 x - 1) (3 x^2 - 3 x + 1)}$$

Sequence: A000325
Score: 6.08764
Type of gen. func.: ogf

$$-(3 f(x) - 1) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x + 3 x^2 - f(x) - 3 x + 1)$$

Sequence: A000325
Score: 6.25071
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 5 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A000325
Score: 8.53755
Type of gen. func.: lgdogf

$$-\frac{-6x^3+6x^2-3x+1}{-6x^4+15x^3-14x^2+6x-1}$$

Sequence: A000326
Score: 13.4418
Type of gen. func.: ogf

$$-\frac{x(2x+1)}{(x-1)^3}$$

Sequence: A000326
Score: 15.9621
Type of gen. func.: lgdogf

$$-\frac{-4x-5}{-2x^2+x+1}$$

Sequence: A000326
Score: 32.8100
Type of gen. func.: lgdogf

$$-\frac{5+4x}{(2x+1)(x-1)}$$

Sequence: A000326
Score: 6.78035
Type of gen. func.: ogf

$$-(27 f(x) - 26) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x) + x)$$

Sequence: A000326
Score: 6.90252
Type of gen. func.: ogf

```
   {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 5}
```

Sequence: A000330
Score: 12.7084
Type of gen. func.: ogf

```
(x + 1) x
---------
       4
(x - 1)
```

Sequence: A000330
Score: 18.7738
Type of gen. func.: lgdogf

```
  3 x + 5
- -------
   2
  x  - 1
```

Sequence: A000330
Score: 38.7917
Type of gen. func.: lgdogf

```
      3 x + 5
- ---------------
  (x - 1) (x + 1)
```

Sequence: A000330
Score: 39.1033
Type of gen. func.: ogf_with_Euler_transform]

```
[5 - x]
```

Sequence: A000330
Score: 6.11886
Type of gen. func.: ogf

```
-(2144 f(x) + 1793)

           4           3           2               2
```

$$(f(x)\, x - 4 f(x)\, x + 6 f(x)\, x - 4 f(x)\, x - x + f(x) - x)$$

Sequence: A000330
Score: 6.21086
Type of gen. func.: ogf

$\{(n + 2)\, a(n + 3) - 5\, a(n + 2) + (-n - 3)\, a(n + 1),\ a(0) = 0,\ a(1) = 1,\ a(2) = 5\}$

Sequence: A000332
Score: 13.6616
Type of gen. func.: ogf

$$-\frac{x^4}{(x - 1)^5}$$

Sequence: A000332
Score: 28.7869
Type of gen. func.: lgdogf

$$\frac{5}{-x + 1}$$

Sequence: A000332
Score: 5.92671
Type of gen. func.: ogf

$\{(n - 2)\, a(n + 2) + (-n - 2)\, a(n + 1),\ a(0) = 0,\ a(1) = 0,\ a(2) = 0,\ a(3) = 0,\ a(4) = 1\}$

Sequence: A000332
Score: 6.77338
Type of gen. func.: ogf

$$f(x)\, x^5 - 5 f(x)\, x^4 + 10 f(x)\, x^3 + x^4 - 10 f(x)\, x^2 + 5 f(x)\, x - f(x)$$

Sequence: A000332
Score: 89.5592
Type of gen. func.: lgdogf

$$-\frac{5}{x - 1}$$

Sequence: A000337
Score: 13.6095
Type of gen. func.: lgdogf

$$-\frac{6 x - 5}{2 x^2 - 3 x + 1}$$

Sequence: A000337
Score: 14.5168
Type of gen. func.: ogf

$$-\frac{x}{(x - 1) (2 x - 1)^2}$$

Sequence: A000337
Score: 26.7981
Type of gen. func.: lgdogf

$$-\frac{6 x - 5}{(2 x - 1) (x - 1)}$$

Sequence: A000337
Score: 5.88519
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 8 a(n + 1) - 4 a(n), a(0) = 0, a(1) = 1, a(2) = 5\}$$

Sequence: A000337
Score: 8.05171
Type of gen. func.: ogf

$$(5 f(x) + 1) (4 f(x) x^3 - 8 f(x) x^2 + 5 f(x) x - f(x) + x)$$

Sequence: A000338
Score: 13.9039
Type of gen. func.: ogf

$$\frac{(-5 + 2 x) (x^2 + x + 1)}{(x - 1)^3}$$

Sequence: A000338
Score: 14.5359
Type of gen. func.: lgdogf

$$- \frac{-3 x^2 + 12 x + 18}{-2 x^4 + 5 x^3 + 2 x - 5}$$

Sequence: A000338
Score: 23.5910
Type of gen. func.: lgdogf

$$- \frac{3 (x^2 - 4 x - 6)}{(-5 + 2 x) (x - 1) (x^2 + x + 1)}$$

Sequence: A000338
Score: 7.10642
Type of gen. func.: ogf

$\{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 5, a(1) = 18, a(2) = 42,$

$a(3) = 75\}$

Sequence: A000338
Score: 7.73682
Type of gen. func.: ogf

$(117 f(x) - 1505)$

$$(f(x) x^3 - 3 f(x) x^2 - 2 x^3 + 3 f(x) x + 3 x^2 - f(x) + 3 x + 5)$$

Sequence: A000340
Score: 12.8755
Type of gen. func.: lgdogf

$$-\frac{9 x - 5}{3 x^2 - 4 x + 1}$$

Sequence: A000340
Score: 16.7034
Type of gen. func.: ogf

$$-\frac{1}{(-1 + 3 x) (x - 1)^2}$$

Sequence: A000340
Score: 25.2146
Type of gen. func.: lgdogf

$$-\frac{9 x - 5}{(-1 + 3 x) (x - 1)}$$

Sequence: A000340
Score: 5.46925
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 7 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 5, a(2) = 18\}$$

Sequence: A000340
Score: 5.88594
Type of gen. func.: ogf

$$(2005 f(x) - 1053) (3 f(x) x^3 - 7 f(x) x^2 + 5 f(x) x - f(x) + 1)$$

Sequence: A000344
Score: 12.3380
Type of gen. func.: lgdogf

$$\frac{10}{(1 - 4 x)^{1/2} (1 + (1 - 4 x)^{1/2})}$$

Sequence: A000344
Score: 21.7526
Type of gen. func.: lgdogf

$$-25 + (5 - 20 x) f(x) + (-4 x^2 + x) f(x)^2$$

Sequence: A000344
Score: 6.11887
Type of gen. func.: ogf

$$\{(-4 n^2 - 30 n - 56) a(n + 1) + (n^2 + 9 n + 14) a(n + 2), a(0) = 1, a(1) = 5\}$$

Sequence: A000346
Score: 11.7674
Type of gen. func.: revogf

$$\frac{2 x (8 x + 1 + 3 (1 + 8 x)^{1/2})}{(1 + 8 x)^{1/2} (1 + (1 + 8 x)^{1/2})^3}$$

Sequence: A000346
Score: 4.74471
Type of gen. func.: ogf

$$\{(-16 n - 40) a(n + 1) + (8 n + 26) a(n + 2) + (-n - 4) a(n + 3), a(0) = 1, a(1) = 5, a(2) = 22\}$$

Sequence: A000346
Score: 7.6113
Type of gen. func.: ogf

$$16 f(x)^{2} x^{3} - 8 f(x)^{2} x^{2} + f(x)^{2} x + 4 f(x) x - f(x) + 1$$

Sequence: A000346
Score: 7.61131
Type of gen. func.: revogf

$$\frac{2 x (8 x + 1 + 3 (1 + 8 x)^{1/2})}{(1 + 8 x)^{1/2} (1 + (1 + 8 x)^{1/2})^{3}}$$

Sequence: A000351
Score: 14.1790
Type of gen. func.: ogf

$$\{a(n + 1) - 5 a(n), a(0) = 1\}$$

Sequence: A000351
Score: 17.9831
Type of gen. func.: ogf

$$-5 f(x) x + f(x) - 1$$

Sequence: A000351
Score: 26.3324
Type of gen. func.: lgdogf

$$\frac{5}{-5 x + 1}$$

Sequence: A000351
Score: 35.1099
Type of gen. func.: ogf

$$- \frac{1}{5 x - 1}$$

Sequence: A000351
Score: 55.7381
Type of gen. func.: revegf]

$$\frac{1}{5} \ln(5 x + 1)$$

Sequence: A000351
Score: 65.8723
Type of gen. func.: lgdogf

$$-\frac{5}{5 x - 1}$$

Sequence: A000352
Score: 10.1395
Type of gen. func.: ogf

$$-\frac{6 x - 5}{(-1 + 3 x) (2 x - 1) (x - 1)^2}$$

Sequence: A000352
Score: 10.6115
Type of gen. func.: lgdogf

$$-\frac{108 x^3 - 216 x^2 + 141 x - 29}{(6 x - 5) (x - 1) (-1 + 3 x) (2 x - 1)}$$

Sequence: A000352
Score: 5.2039
Type of gen. func.: ogf

$$-(166223191 f(x) - 2102703192)$$

$$(6 f(x) x^4 - 17 f(x) x^3 + 17 f(x) x^2 - 7 f(x) x + f(x) + 6 x - 5)$$

Sequence: A000352
Score: 7.01965
Type of gen. func.: lgdogf

$$-\frac{108 x^3 - 216 x^2 + 141 x - 29}{36 x^4 - 96 x^3 + 91 x^2 - 36 x + 5}$$

Sequence: A000354
Score: 16.8510
Type of gen. func.: lgdegf]

$$-\frac{-2 x - 1}{1 - 2 x}$$

Sequence: A000354
Score: 30.5292
Type of gen. func.: lgdegf]

$$-1 - 2 x + (1 - 2 x) f(x)$$

Sequence: A000354
Score: 5.03014
Type of gen. func.: ogf

$$\{(-2 n - 4) a(n + 1) + (-2 n - 5) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 1, a(2) = 5\}$$

Sequence: A000356
Score: 4.16214
Type of gen. func.: ogf

$$\{(16 n^2 + 96 n + 140) a(n + 1) + (-n^2 - 9 n - 20) a(n + 2), a(0) = 1, a(1) = 5\}$$

Sequence: A000363
Score: 6.21454
Type of gen. func.: lgdogf

$$-\frac{675 x^3 - 963 x^2 + 445 x - 61}{135 x^4 - 282 x^3 + 196 x^2 - 54 x + 5}$$

Sequence: A000363
Score: 6.79264
Type of gen. func.: ogf

$$-\frac{9 x - 5}{(5 x - 1) (-1 + 3 x)^{2} (x - 1)^{3}}$$

Sequence: A000363
Score: 9.69804
Type of gen. func.: lgdogf

$$-\frac{675 x^{3} - 963 x^{2} + 445 x - 61}{(x - 1) (9 x - 5) (-1 + 3 x) (5 x - 1)}$$

Sequence: A000381
Score: 2.06414
Type of gen. func.: ogf

$$-(f(x) - 6) (f(x) x^{3} - 2 f(x) x + 2 x^{2} + f(x) + x - 2)$$

Sequence: A000381
Score: 3.77777
Type of gen. func.: ogf

$$-\frac{2 x^{2} + x - 2}{(x - 1) (x^{2} + x - 1)}$$

Sequence: A000382
Score: 5.75266
Type of gen. func.: ogf

$$-(946 f(x) - 915) (f(x) x^{4} + x^{4} + 4 x^{3} - 2 f(x) x + 2 x^{2} + f(x) + x - 6)$$

Sequence: A000382

Score: 7.94369
Type of gen. func.: lgdogf

$$-\frac{4x^6+4x^5+9x^4-12x^3-8x^2-4x+11}{(x-1)(x^3+x^2+x-1)(x^4+4x^3+2x^2+x-6)}$$

Sequence: A000382
Score: 9.75452
Type of gen. func.: ogf

$$-\frac{x^4+4x^3+2x^2+x-6}{(x-1)(x^3+x^2+x-1)}$$

Sequence: A000383
Score: 7.28871
Type of gen. func.: lgdogf

$$-\frac{4x^{10}+6x^9+5x^8-10x^6-26x^5+5x^4+4x^3+2x^2-1}{(4x^5+3x^4+2x^3+x^2-1)(x^6+x^5+x^4+x^3+x^2+x-1)}$$

Sequence: A000383
Score: 7.63451
Type of gen. func.: ogf

$$\frac{4x^5+3x^4+2x^3+x^2-1}{x^6+x^5+x^4+x^3+x^2+x-1}$$

Sequence: A000384
Score: 14.5431
Type of gen. func.: ogf

$$-\frac{x(1+3x)}{(x-1)^3}$$

Sequence: A000384
Score: 17.2700
Type of gen. func.: lgdogf

$$-\frac{-6 x - 6}{-3 x^{2} + 2 x + 1}$$

Sequence: A000384
Score: 35.5340
Type of gen. func.: lgdogf

$$-\frac{6 (x + 1)}{(1 + 3 x) (x - 1)}$$

Sequence: A000384
Score: 7.08511
Type of gen. func.: ogf

$$-(1072 f(x) - 1365) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 3 x^{2} - f(x) + x)$$

Sequence: A000384
Score: 7.46809
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 6\}$$

Sequence: A000387
Score: 10.7573
Type of gen. func.: lgdegf]

$$-\frac{x (x^{4} - 6 x^{3} + 15 x^{2} - 16 x + 12)}{(-1 + x) (x^{4} - 4 x^{3} + 7 x^{2} - 4 x + 2)}$$

Sequence: A000387
Score: 21.2625
Type of gen. func.: lgdegf]

$$-\frac{x}{-1+x}$$

Sequence: A000387
Score: 4.25251
Type of gen. func.: ogf

$$\{(-n^2-5n-6)\,a(n+1)+(-n^2-3n)\,a(n+2)+(n+1)\,a(n+3),\ a(0)=0,\ a(1)=0,\ a(2)=1\}$$

Sequence: A000389
Score: 11.8176
Type of gen. func.: ogf

$$\frac{x^5}{(-1+x)^6}$$

Sequence: A000389
Score: 28.7000
Type of gen. func.: lgdogf

$$\frac{6}{-x+1}$$

Sequence: A000389
Score: 5.46666
Type of gen. func.: ogf

$$\{(-3+n)\,a(n+2)+(-2-n)\,a(n+1),\ a(0)=0,\ a(1)=0,\ a(2)=0,\ a(3)=0,\ a(4)=0,\ a(5)=1\}$$

Sequence: A000389
Score: 89.7041
Type of gen. func.: lgdogf

$$-\frac{6}{}$$

$$-1 + x$$

Sequence: A000392
Score: 14.4878
Type of gen. func.: ogf

$$-\frac{x^{3}}{(-1 + x)\,(3\,x - 1)\,(2\,x - 1)}$$

Sequence: A000392
Score: 16.5777
Type of gen. func.: lgdogf

$$-\frac{2\,(9\,x^{2} - 11\,x + 3)}{(-1 + x)\,(3\,x - 1)\,(2\,x - 1)}$$

Sequence: A000392
Score: 5.12646
Type of gen. func.: ogf

{-a(n + 4) + 6 a(n + 3) - 11 a(n + 2) + 6 a(n + 1), a(0) = 0, a(1) = 0,

a(2) = 0, a(3) = 1}

Sequence: A000392
Score: 6.66441
Type of gen. func.: ogf

$$-f(x)\,(6\,f(x)\,x^{3} - 11\,f(x)\,x^{2} + x^{3} + 6\,f(x)\,x - f(x))$$

Sequence: A000392
Score: 9.94687
Type of gen. func.: lgdogf

$$-\frac{18\,x^{2} - 22\,x + 6}{6\,x^{3} - 11\,x^{2} + 6\,x - 1}$$

```
------------------------------------------------------------------------------

Sequence:  A000400
Score: 14.2303
Type of gen. func.: ogf

                         {a(n + 1) - 6 a(n), a(0) = 1}


------------------------------------------------------------------------------

Sequence:  A000400
Score: 18.0482
Type of gen. func.: ogf

                              -6 f(x) x + f(x) - 1


------------------------------------------------------------------------------

Sequence:  A000400
Score: 26.4277
Type of gen. func.: lgdogf

                                       6
                                    --------
                                    -6 x + 1


------------------------------------------------------------------------------

Sequence:  A000400
Score: 35.2370
Type of gen. func.: ogf

                                        1
                                   - -------
                                     6 x - 1


------------------------------------------------------------------------------

Sequence:  A000400
Score: 55.9564
Type of gen. func.: revegf]

                                1/6 ln(1 + 6 x)


------------------------------------------------------------------------------

Sequence:  A000400
Score: 72.7434
Type of gen. func.: lgdogf

                                        6
                                   - -------
                                     6 x - 1
```

Sequence: A000407
Score: 21.0467
Type of gen. func.: lgdegf]

$$\frac{6}{-4 x + 1}$$

Sequence: A000407
Score: 33.9985
Type of gen. func.: revegf]

$$\frac{x (1 + x)}{(1 + 2 x)^2}$$

Sequence: A000407
Score: 52.5432
Type of gen. func.: lgdegf]

$$- \frac{6}{-1 + 4 x}$$

Sequence: A000407
Score: 6.62144
Type of gen. func.: ogf

$$\{(-4 n - 10) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 6\}$$

Sequence: A000407
Score: 7.01558
Type of gen. func.: egf]

$$-64 f(x)^2 x^3 + 48 f(x)^2 x^2 - 12 f(x)^2 x + f(x)^2 - 1$$

Sequence: A000420
Score: 13.7313
Type of gen. func.: ogf

```
                     {a(n + 1) - 7 a(n), a(0) = 1}


--------------------------------------------------------------------------------

Sequence:  A000420
Score: 17.4154
Type of gen. func.: ogf


                           -7 f(x) x + f(x) - 1



--------------------------------------------------------------------------------

Sequence:  A000420
Score: 25.5011
Type of gen. func.: lgdogf


                                   7
                                --------
                                -7 x + 1



--------------------------------------------------------------------------------

Sequence:  A000420
Score: 34.0014
Type of gen. func.: ogf


                                    1
                               - -------
                                 7 x - 1



--------------------------------------------------------------------------------

Sequence:  A000420
Score: 53.9743
Type of gen. func.: revegf]


                             1/7 ln(1 + 7 x)



--------------------------------------------------------------------------------

Sequence:  A000420
Score: 63.7878
Type of gen. func.: lgdogf


                                    7
                               - -------
                                 7 x - 1



--------------------------------------------------------------------------------

Sequence:  A000422
Score: 7.32018
Type of gen. func.: lgdogf
```

$$441 - 1260 x + 900 x^2 + (600 x^3 - 1080 x^2 + 522 x - 42) f(x)$$
$$+ (100 x^4 - 220 x^3 + 141 x^2 - 22 x + 1) f(x)^2$$

Sequence: A000431
Score: 15.3358
Type of gen. func.: lgdogf

$$- \frac{24 x - 8}{8 x^2 - 6 x + 1}$$

Sequence: A000431
Score: 15.9883
Type of gen. func.: ogf

$$- \frac{2 x^3}{(-1 + 4 x) (2 x - 1)^2}$$

Sequence: A000431
Score: 26.7198
Type of gen. func.: lgdogf

$$- \frac{8 (3 x - 1)}{(-1 + 4 x) (2 x - 1)}$$

Sequence: A000431
Score: 5.73627
Type of gen. func.: ogf

$$\{-a(n + 4) + 8 a(n + 3) - 20 a(n + 2) + 16 a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 2\}$$

Sequence: A000431
Score: 7.44011
Type of gen. func.: ogf

$$-f(x) (16 f(x) x^3 - 20 f(x) x^2 + 2 x^3 + 8 f(x) x - f(x))$$

Sequence: A000439
Score: 10.2151
Type of gen. func.: ogf

$$\frac{(2 x - 3) (x^2 - 3 x + 3)}{(-1 + x)^5}$$

Sequence: A000439
Score: 10.4526
Type of gen. func.: lgdogf

$$- \frac{-4 x^3 + 21 x^2 - 42 x + 30}{-2 x^4 + 11 x^3 - 24 x^2 + 24 x - 9}$$

Sequence: A000439
Score: 17.3310
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 21 x^2 + 42 x - 30}{(-1 + x) (2 x - 3) (x^2 - 3 x + 3)}$$

Sequence: A000439
Score: 4.91217
Type of gen. func.: ogf

$$\{(3 n^2 + 29 n + 60) a(n + 1) + (-8 n^2 - 80 n - 188) a(n + 2)$$

$$+ (5 n^2 + 43 n + 84) a(n + 3), a(0) = 9, a(1) = 30, a(2) = 69\}$$

Sequence: A000442
Score: 6.83906
Type of gen. func.: ogf

$$\{(-n^3 - 6 n^2 - 12 n - 8) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A000447
Score: 12.7971
Type of gen. func.: ogf

$$\frac{x (x^2 + 6 x + 1)}{(-1 + x)^4}$$

Sequence: A000447
Score: 14.1544
Type of gen. func.: lgdogf

$$- \frac{2 x^2 + 20 x + 10}{x^3 + 5 x^2 - 5 x - 1}$$

Sequence: A000447
Score: 27.1383
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 + 10 x + 5)}{(-1 + x) (x^2 + 6 x + 1)}$$

Sequence: A000447
Score: 4.91678
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + 5 n a(n + 3) + (-25 - 5 n) a(n + 2) + (-2 - n) a(n + 1),$$

$$a(0) = 0, a(1) = 1, a(2) = 10, a(3) = 35\}$$

Sequence: A000447
Score: 6.62545
Type of gen. func.: ogf

$$-(400 f(x) + 969)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 6 x^2 + f(x) - x)$$

Sequence: A000449
Score: 3.65160
Type of gen. func.: ogf

$$\{(n^2 + 11 n + 30) a(n + 1) + (n^2 + 8 n + 12) a(n + 2) + (-n - 3) a(n + 3),$$

$$a(0) = 1, a(1) = 0, a(2) = 10\}$$

Sequence: A000449
Score: 6.46950
Type of gen. func.: lgdegf]

$$- \frac{x (x^6 - 12 x^5 + 54 x^4 - 124 x^3 + 165 x^2 - 120 x + 60)}{(-1 + x) (x^6 - 9 x^5 + 30 x^4 - 49 x^3 + 45 x^2 - 18 x + 6)}$$

Sequence: A000453
Score: 12.2738
Type of gen. func.: lgdogf

$$- \frac{2 (48 x^3 - 75 x^2 + 35 x - 5)}{(-1 + x) (3 x - 1) (2 x - 1) (-1 + 4 x)}$$

Sequence: A000453
Score: 13.6716
Type of gen. func.: ogf

$$\frac{1}{(-1 + x) (3 x - 1) (2 x - 1) (-1 + 4 x)}$$

Sequence: A000453
Score: 5.40743
Type of gen. func.: ogf

$(28342193 f(x) + 5605632)$

$$(24 f(x) x^{4} - 50 f(x) x^{3} + 35 f(x) x^{2} - 10 f(x) x + f(x) - 1)$$

Sequence: A000453
Score: 8.14152
Type of gen. func.: lgdogf

$$-\frac{-96 x^{3} + 150 x^{2} - 70 x + 10}{-24 x^{4} + 50 x^{3} - 35 x^{2} + 10 x - 1}$$

Sequence: A000457
Score: 11.1062
Type of gen. func.: lgdegf]

$$-\frac{15 x + 10}{6 x^{2} - x - 1}$$

Sequence: A000457
Score: 20.9222
Type of gen. func.: lgdegf]

$$-\frac{5 (2 + 3 x)}{(3 x + 1) (2 x - 1)}$$

Sequence: A000457
Score: 4.82877
Type of gen. func.: ogf

$$\{(-2 n^{2} - 13 n - 21) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 10\}$$

Sequence: A000460
Score: 7.19885
Type of gen. func.: lgdogf

$$-\frac{96 x^{4} - 102 x^{3} - 15 x^{2} + 44 x - 11}{}$$

$$24 x^5 - 50 x^4 + 29 x^3 + x^2 - 5 x + 1$$

Sequence: A000460
Score: 8.30636
Type of gen. func.: ogf

$$-\frac{4 x^2 - x - 1}{(3 x - 1) (2 x - 1)^2 (-1 + x)^3}$$

Sequence: A000460
Score: 8.53038
Type of gen. func.: lgdogf

$$-\frac{96 x^4 - 102 x^3 - 15 x^2 + 44 x - 11}{(-1 + x) (3 x - 1) (2 x - 1) (4 x^2 - x - 1)}$$

Sequence: A000463
Score: 11.6150
Type of gen. func.: lgdogf

$$-\frac{-3 x^4 + 4 x^3 - 8 x^2 - 4 x - 1}{-x^5 + x^4 - 2 x^2 + x + 1}$$

Sequence: A000463
Score: 14.0016
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 + x + 1}{(-1 + x)^3 (1 + x)^3}$$

Sequence: A000463
Score: 18.9626
Type of gen. func.: lgdogf

$$-\frac{3 x^4 - 4 x^3 + 8 x^2 + 4 x + 1}{(-1 + x) (1 + x) (x^3 - x^2 + x + 1)}$$

Sequence: A000466
Score: 11.5854
Type of gen. func.: lgdogf

$$-\frac{-3 x^2 - 18 x - 3}{-3 x^3 - 3 x^2 + 7 x - 1}$$

Sequence: A000466
Score: 12.3451
Type of gen. func.: ogf

$$-\frac{3 x^2 + 6 x - 1}{(-1 + x)^3}$$

Sequence: A000466
Score: 21.1915
Type of gen. func.: lgdogf

$$-\frac{3 (x^2 + 6 x + 1)}{(-1 + x) (3 x^2 + 6 x - 1)}$$

Sequence: A000466
Score: 6.60573
Type of gen. func.: ogf

$$(32 f(x) - 103) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) + 6 x - 1)$$

Sequence: A000466
Score: 6.66419
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = -1,\ a(1) = 3,\ a(2) = 15\}$$

Sequence: A000475
Score: 3.77568
Type of gen. func.: ogf

$$\{(n^2 + 13\,n + 42)\,a(n+1) + (n^2 + 9\,n + 14)\,a(n+2) + (-n-3)\,a(n+3),$$
$$a(0) = 1,\ a(1) = 0,\ a(2) = 15\}$$

Sequence: A000478
Score: 7.90801
Type of gen. func.: ogf

$$-\frac{12\,x^3 - 40\,x^2 + 45\,x - 15}{(3\,x - 1)\,(2\,x - 1)^2\,(-1 + x)^3}$$

Sequence: A000478
Score: 8.43676
Type of gen. func.: lgdogf

$$-\frac{216\,x^5 - 1044\,x^4 + 1974\,x^3 - 1729\,x^2 + 700\,x - 105}{(-1 + x)\,(3\,x - 1)\,(2\,x - 1)\,(12\,x^3 - 40\,x^2 + 45\,x - 15)}$$

Sequence: A000481
Score: 12.4906
Type of gen. func.: ogf

$$-\frac{1}{(-1 + x)\,(-1 + 4\,x)\,(3\,x - 1)\,(2\,x - 1)\,(5\,x - 1)}$$

Sequence: A000481
Score: 28.5742
Type of gen. func.: lgdogf

4 3 2

$$-\frac{600 x - 1096 x + 675 x - 170 x + 15}{(-1 + x) (-1 + 4 x) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A000481
Score: 6.68354
Type of gen. func.: lgdogf

$$-\frac{-600 x^{4} + 1096 x^{3} - 675 x^{2} + 170 x - 15}{-120 x^{5} + 274 x^{4} - 225 x^{3} + 85 x^{2} - 15 x + 1}$$

Sequence: A000486
Score: 6.31104
Type of gen. func.: lgdogf

$$-\frac{2304 x^{5} - 6216 x^{4} + 6508 x^{3} - 3284 x^{2} + 799 x - 75}{(-1 + x) (3 x - 1) (2 x - 1) (-1 + 4 x) (24 x^{2} - 29 x + 8)}$$

Sequence: A000486
Score: 6.37153
Type of gen. func.: ogf

$$\frac{2 (24 x^{2} - 29 x + 8)}{(-1 + 4 x) (3 x - 1) (2 x - 1)^{2} (-1 + x)^{2}}$$

Sequence: A000487
Score: 10.9025
Type of gen. func.: lgdogf

$$-\frac{720 x^{3} - 636 x^{2} + 184 x - 17}{(6 x - 1) (3 x - 1) (2 x - 1) (-1 + 4 x)}$$

Sequence: A000487
Score: 7.27995
Type of gen. func.: lgdogf

$$-\frac{720x^3-636x^2+184x-17}{144x^4-180x^3+80x^2-15x+1}$$

Sequence: A000487
Score: 7.35908
Type of gen. func.: ogf

$$-\frac{16(3x-1)}{(6x-1)(-1+4x)^2(2x-1)^3}$$

Sequence: A000493
Score: 5.25134
Type of gen. func.: ogf

$$x^4(x^6-x^5+x^4-x^3+x^2-x+1)$$

$$(x^{12}+x^{11}-x^9-x^8+x^6-x^4-x^3+x+1)\ /\ ((-1+x)(x^2+1)$$

$$(x^{20}-x^{18}+x^{16}-x^{14}+x^{12}-x^{10}+x^8-x^6+x^4-x^2+1))$$

Sequence: A000496
Score: 8.78905
Type of gen. func.: ogf

$$-\frac{4x^8+10x^7+6x^6+3x^5-13x^4-2x^3+x-1}{(-1+x)(x^3+x^2+x-1)}$$

Sequence: A000496
Score: 9.88706
Type of gen. func.: lgdogf

$$-\frac{4x^6+4x^5+9x^4-12x^3-8x^2-4x+11}{(-1+x)(x^3+x^2+x-1)(x^4+4x^3+2x^2+x-6)}$$

Sequence: A000497
Score: 3.07709
Type of gen. func.: ogf

$$\{(-4 n^2 - 30 n - 56) a(n + 1) + (-2 n^2 - 19 n - 55) a(n + 2) + (n + 3) a(n + 3)$$

$$, a(0) = 1, a(1) = 25, a(2) = 490\}$$

Sequence: A000497
Score: 5.98131
Type of gen. func.: lgdegf]

$$- \frac{-20 x^3 - 285 x^2 - 330 x - 50}{-8 x^4 - 74 x^3 - 17 x^2 + 24 x + 2}$$

Sequence: A000497
Score: 9.47722
Type of gen. func.: lgdegf]

$$- \frac{5 (4 x^3 + 57 x^2 + 66 x + 10)}{(2 x - 1) (4 x^3 + 39 x^2 + 28 x + 2)}$$

Sequence: A000504
Score: 8.21981
Type of gen. func.: lgdegf]

$$- \frac{21 (60 x^4 + 585 x^3 + 864 x^2 + 276 x + 16)}{(2 x - 1) (180 x^4 + 1285 x^3 + 1299 x^2 + 246 x + 6)}$$

Sequence: A000515
Score: 13.8978
Type of gen. func.: ogf

hypergeom([1/2, 3/2], [1], 16 x)

Sequence: A000515
Score: 5.60394
Type of gen. func.: ogf

$$\{(16 n^2 + 64 n + 60) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 12\}$$

Sequence: A000520
Score: 10.5009
Type of gen. func.: lgdogf

$$- \frac{-27 x^{28} + 28 x^{27} + 1}{x^{29} - x^{28} + x - 1}$$

Sequence: A000520
Score: 11.5314
Type of gen. func.: lgdogf

$$\frac{27 x^{28} - 28 x^{27} - 1}{(-1 + x) (x^4 + 1) (x^{24} - x^{20} + x^{16} - x^{12} + x^8 - x^4 + 1)}$$

Sequence: A000520
Score: 16.8928
Type of gen. func.: ogf

$$- \frac{x^3 (x^4 + 1) (x^{24} - x^{20} + x^{16} - x^{12} + x^8 - x^4 + 1)}{-1 + x}$$

Sequence: A000522
Score: 21.3724
Type of gen. func.: lgdegf]

$$- \frac{-2 + x}{-x + 1}$$

Sequence: A000522
Score: 39.7817
Type of gen. func.: lgdegf]

$$-2 + x + (-x + 1) f(x)$$

Sequence: A000522
Score: 6.37981
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 1) + (n + 4) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A000529
Score: 11.9534
Type of gen. func.: ogf

$$\frac{(-2 + x) (3 x^3 - 12 x^2 + 18 x - 10)}{(-1 + x)^6}$$

Sequence: A000529
Score: 12.0651
Type of gen. func.: lgdogf

$$-\frac{6 x^4 - 42 x^3 + 114 x^2 - 146 x + 74}{3 x^5 - 21 x^4 + 60 x^3 - 88 x^2 + 66 x - 20}$$

Sequence: A000529
Score: 18.7547
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^4 - 21 x^3 + 57 x^2 - 73 x + 37)}{(-1 + x) (-2 + x) (3 x^3 - 12 x^2 + 18 x - 10)}$$

Sequence: A000531
Score: 3.81362
Type of gen. func.: ogf

$$\{(-16 n - 56) a(n + 1) + (8 n + 30) a(n + 2) + (-n - 4) a(n + 3), a(0) = 1, a(1) = 7, a(2) = 38\}$$

Sequence: A000531
Score: 4.35036
Type of gen. func.: ogf

$$-64 f(x)^2 x^4 + 48 f(x)^2 x^3 - 12 f(x)^2 x^2 + f(x)^2 x + 16 f(x) x^2 - 8 f(x) x + f(x) - 1$$

Sequence: A000533
Score: 10.6403
Type of gen. func.: lgdogf

$$-\frac{110 x^2 - 40 x + 11}{(-1 + x) (10 x - 1) (10 x^2 - 1)}$$

Sequence: A000533
Score: 4.58079
Type of gen. func.: ogf

$$\{a(n + 3) - 11 a(n + 2) + 10 a(n + 1), a(0) = 1, a(1) = 11, a(2) = 101\}$$

Sequence: A000533
Score: 5.00149
Type of gen. func.: ogf

$$-(81 f(x) + 40) (10 f(x) x^2 - 11 f(x) x + 10 x^2 + f(x) - 1)$$

Sequence: A000533
Score: 6.71432
Type of gen. func.: lgdogf

$$-\frac{110 x^2 - 40 x + 11}{100 x^4 - 110 x^3 + 11 x - 1}$$

Sequence: A000533
Score: 9.42587
Type of gen. func.: ogf

$$-\frac{10 x^{2} - 1}{(10 x - 1) (-1 + x)}$$

Sequence: A000534
Score: 4.17003
Type of gen. func.: ogf

$$x (36 x^{16} + 32 x^{15} + 60 x^{14} + 55 x^{13} + 36 x^{12} + 27 x^{11} + 20 x^{10} + 19 x^{9} + 18 x^{8} + 13 x^{7} + 11 x^{6} + 4 x^{5} + 2 x^{4} - x^{3} - 3 x^{2} - 2 x - 1) / (4 x^{3} - 1)$$

Sequence: A000536
Score: 11.9042
Type of gen. func.: ogf

$$\{(-n^{2} - 13 n - 42) a(n + 1) + (-n^{2} - 11 n - 28) a(n + 2) + (n + 3) a(n + 3), a(0) = 24, a(1) = 240, a(2) = 2520\}$$

Sequence: A000536
Score: 15.6506
Type of gen. func.: lgdegf]

$$- (x^{9} - 10 x^{8} + 50 x^{7} - 120 x^{6} + 265 x^{5} - 86 x^{4} + 620 x^{3} + 720 x^{2} + 840 x + 240) / ((-1 + x) (x^{8} - 8 x^{7} + 34 x^{6} - 64 x^{5} + 125 x^{4} - 16 x^{3} + 168 x^{2} + 96 x + 24))$$

Sequence: A000537
Score: 12.4561
Type of gen. func.: lgdogf

$$-\frac{3x^2+18x+9}{x^3+3x^2-3x-1}$$

Sequence: A000537
Score: 24.2017
Type of gen. func.: lgdogf

$$-\frac{3(x^2+6x+3)}{(-1+x)(x^2+4x+1)}$$

Sequence: A000537
Score: 4.10988
Type of gen. func.: ogf

$\{(n+3)a(n+4)+(-3+3n)a(n+3)+(-21-3n)a(n+2)$

$+(-n-3)a(n+1), a(0)=0, a(1)=1, a(2)=9, a(3)=36\}$

Sequence: A000537
Score: 9.75478
Type of gen. func.: ogf

$$-\frac{x(x^2+4x+1)}{(-1+x)^5}$$

Sequence: A000538
Score: 10.3890
Type of gen. func.: lgdogf

$$-\frac{3x^3+47x^2+77x+17}{x^4+10x^3-10x-1}$$

Sequence: A000538

Score: 16.1079
Type of gen. func.: lgdogf

$$-\frac{3x^3+47x^2+77x+17}{(-1+x)(1+x)(x^2+10x+1)}$$

Sequence: A000538
Score: 4.44419
Type of gen. func.: ogf

$$\{(-4n^2-25n-39)\,a(n+1)+(8n^2+40n+83)\,a(n+2)$$
$$+(-4n^2-15n-14)\,a(n+3),\ a(0)=0,\ a(1)=1,\ a(2)=17\}$$

Sequence: A000538
Score: 7.84269
Type of gen. func.: ogf

$$\frac{x(1+x)(x^2+10x+1)}{(-1+x)^6}$$

Sequence: A000539
Score: 11.7812
Type of gen. func.: lgdogf

$$-\frac{3(x^4+36x^3+136x^2+96x+11)}{(-1+x)(x^4+26x^3+66x^2+26x+1)}$$

Sequence: A000539
Score: 6.46735
Type of gen. func.: ogf

$$-\frac{x(x^4+26x^3+66x^2+26x+1)}{(-1+x)^7}$$

Sequence: A000539
Score: 7.25310
Type of gen. func.: lgdogf

$$-\frac{-3 x^4 - 108 x^3 - 408 x^2 - 288 x - 33}{-x^5 - 25 x^4 - 40 x^3 + 40 x^2 + 25 x + 1}$$

Sequence: A000540
Score: 5.28391
Type of gen. func.: ogf

$$\frac{x (1 + x) (x^4 + 56 x^3 + 246 x^2 + 56 x + 1)}{(-1 + x)^8}$$

Sequence: A000540
Score: 8.58532
Type of gen. func.: lgdogf

$$-\frac{3 x^5 + 233 x^4 + 1738 x^3 + 2718 x^2 + 1003 x + 65}{(-1 + x) (1 + x) (x^4 + 56 x^3 + 246 x^2 + 56 x + 1)}$$

Sequence: A000541
Score: 4.45536
Type of gen. func.: ogf

$$-\frac{x (x^6 + 120 x^5 + 1191 x^4 + 2416 x^3 + 1191 x^2 + 120 x + 1)}{(-1 + x)^9}$$

Sequence: A000541
Score: 6.69554
Type of gen. func.: lgdogf

$$-\frac{3 (x^6 + 162 x^5 + 2185 x^4 + 6420 x^3 + 5195 x^2 + 1114 x + 43)}{}$$

$$(-1 + x) (x^6 + 120 x^5 + 1191 x^4 + 2416 x^3 + 1191 x^2 + 120 x + 1)$$

Sequence: A000542
Score: 3.65312
Type of gen. func.: ogf

$$\frac{x (1 + x) (x^6 + 246 x^5 + 4047 x^4 + 11572 x^3 + 4047 x^2 + 246 x + 1)}{(-1 + x)^{10}}$$

Sequence: A000543
Score: 3.76477
Type of gen. func.: ogf

$$- \frac{x (1 + x) (x^6 + 13 x^5 + 149 x^4 + 514 x^3 + 149 x^2 + 13 x + 1)}{(-1 + x)^9}$$

Sequence: A000543
Score: 5.46655
Type of gen. func.: lgdogf

$$- \frac{2 x^7 + 49 x^6 + 732 x^5 + 4125 x^4 + 6630 x^3 + 3123 x^2 + 436 x + 23}{(-1 + x) (1 + x) (x^6 + 13 x^5 + 149 x^4 + 514 x^3 + 149 x^2 + 13 x + 1)}$$

Sequence: A000554
Score: 4.26085
Type of gen. func.: ogf

$$\{(-2 n^2 - 26 n - 84) a(n + 1) + (3 n^2 + 33 n + 84) a(n + 2)$$

$$+ (-n^2 - 9 n - 20) a(n + 3), a(0) = 12, a(1) = 60, a(2) = 210\}$$

Sequence: A000554
Score: 7.15353
Type of gen. func.: ogf

$$\frac{2 (4 x^4 - 18 x^3 + 33 x^2 - 24 x + 6)}{(2 x - 1)^3 (-1 + x)^3}$$

Sequence: A000554
Score: 7.72852
Type of gen. func.: lgdogf

$$- \frac{16 x^5 - 96 x^4 + 248 x^3 - 285 x^2 + 150 x - 30}{(-1 + x) (2 x - 1) (4 x^4 - 18 x^3 + 33 x^2 - 24 x + 6)}$$

Sequence: A000561
Score: 11.1240
Type of gen. func.: lgdogf

$$- \frac{-4 x^3 - 2 x^2 + 70 x + 44}{-4 x^4 + 9 x^3 + 15 x^2 - 14 x - 6}$$

Sequence: A000561
Score: 11.9797
Type of gen. func.: ogf

$$- \frac{4 x^3 - 5 x^2 - 20 x - 6}{(-1 + x)^4}$$

Sequence: A000561
Score: 18.0288
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^3 + x^2 - 35 x - 22)}{(-1 + x) (4 x^3 - 5 x^2 - 20 x - 6)}$$

Sequence: A000561
Score: 4.64885
Type of gen. func.: ogf

$$\{(-299 n^2 - 2203 n - 3210) a(n + 1) + (-167 n^2 - 2980 n - 9384) a(n + 2) + (466 n^2 + 2888 n + 4470) a(n + 3), a(0) = 6, a(1) = 44, a(2) = 145\}$$

Sequence: A000561
Score: 6.31363
Type of gen. func.: ogf

$$(41877 f(x) + 1356367) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 4 x^3 - 4 f(x) x - 5 x^2 + f(x) - 20 x - 6)$$

Sequence: A000562
Score: 11.6707
Type of gen. func.: lgdogf

$$- \frac{6 x^4 + 14 x^3 - 60 x^2 - 270 x - 95}{(-1 + x) (2 x^5 - 4 x^4 + 15 x^3 - 35 x^2 - 50 x - 9)}$$

Sequence: A000562
Score: 7.76958
Type of gen. func.: lgdogf

$$- \frac{-6 x^4 - 14 x^3 + 60 x^2 + 270 x + 95}{-2 x^6 + 6 x^5 - 19 x^4 + 50 x^3 + 15 x^2 - 41 x - 9}$$

Sequence: A000562
Score: 8.28266
Type of gen. func.: ogf

$$\frac{2 x^5 - 4 x^4 + 15 x^3 - 35 x^2 - 50 x - 9}{(-1 + x)^5}$$

Sequence: A000563
Score: 6.13534
Type of gen. func.: ogf

$$-\frac{8 x^5 - 6 x^4 + 10 x^3 - 128 x^2 - 114 x - 13}{(-1 + x)^6}$$

Sequence: A000563
Score: 8.26163
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^5 + 14 x^4 + 3 x^3 - 241 x^2 - 413 x - 96)}{(-1 + x) (8 x^5 - 6 x^4 + 10 x^3 - 128 x^2 - 114 x - 13)}$$

Sequence: A000564
Score: 4.41763
Type of gen. func.: ogf

$$\frac{2 x^7 - 4 x^6 + 36 x^5 - 29 x^4 - 72 x^3 - 411 x^2 - 231 x - 20}{(-1 + x)^7}$$

Sequence: A000564
Score: 5.65479
Type of gen. func.: lgdogf

$$-\frac{10 x^6 + 48 x^5 + 93 x^4 - 404 x^3 - 2271 x^2 - 2208 x - 371}{(-1 + x) (2 x^7 - 4 x^6 + 36 x^5 - 29 x^4 - 72 x^3 - 411 x^2 - 231 x - 20)}$$

Sequence: A000565
Score: 4.14353
Type of gen. func.: ogf

$$-\frac{12 x^7 - 6 x^6 + 88 x^5 - 131 x^4 - 548 x^3 - 1123 x^2 - 448 x - 31}{}$$

$$(-1 + x)^{8}$$

Sequence: A000565
Score: 5.26202
Type of gen. func.: lgdogf

$$-\frac{6 (2 x^{7} + 12 x^{6} + 38 x^{5} - 14 x^{4} - 544 x^{3} - 1397 x^{2} - 897 x - 116)}{(-1 + x) (12 x^{7} - 6 x^{6} + 88 x^{5} - 131 x^{4} - 548 x^{3} - 1123 x^{2} - 448 x - 31)}$$

Sequence: A000566
Score: 14.7479
Type of gen. func.: ogf

$$-\frac{x (4 x + 1)}{(-1 + x)^{3}}$$

Sequence: A000566
Score: 17.5132
Type of gen. func.: lgdogf

$$-\frac{-8 x - 7}{-4 x^{2} + 3 x + 1}$$

Sequence: A000566
Score: 36.0416
Type of gen. func.: lgdogf

$$-\frac{7 + 8 x}{(4 x + 1) (-1 + x)}$$

Sequence: A000566
Score: 7.30985
Type of gen. func.: ogf

$$-(175 f(x) - 279) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 4 x^{2} - f(x) + x)$$

Sequence: A000566
Score: 7.57327
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 7\}$$

Sequence: A000567
Score: 12.8131
Type of gen. func.: ogf

$$-\frac{x\,(5\,x + 1)}{(-1 + x)^{3}}$$

Sequence: A000567
Score: 14.9051
Type of gen. func.: lgdogf

$$-\frac{-10\,x - 8}{-5\,x^{2} + 4\,x + 1}$$

Sequence: A000567
Score: 28.7598
Type of gen. func.: lgdogf

$$-\frac{2\,(4 + 5\,x)}{(5\,x + 1)\,(-1 + x)}$$

Sequence: A000567
Score: 6.2423
Type of gen. func.: ogf

$$-(4860\,f(x) - 9331)\,(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x + 5\,x^{2} - f(x) + x)$$

Sequence: A000567
Score: 6.57972
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 8}

Sequence: A000570
Score: 8.93923
Type of gen. func.: lgdogf

$$-\frac{x^8+2x^7+3x^6+2x^5+3x^4+6x^3+5x^2+2x+1}{(x^4+x^3+x^2+1)(x^5+x^4+x^3+x-1)}$$

Sequence: A000570
Score: 9.22790
Type of gen. func.: ogf

$$-\frac{x^4+x^3+x^2+1}{x^5+x^4+x^3+x-1}$$

Sequence: A000574
Score: 14.9791
Type of gen. func.: lgdogf

$$-\frac{-10x+16}{-2x^2+5x-3}$$

Sequence: A000574
Score: 28.2547
Type of gen. func.: lgdogf

$$-\frac{2(-8+5x)}{(-1+x)(2x-3)}$$

Sequence: A000574
Score: 4.86335
Type of gen. func.: ogf

{(3 n + 9) a(n + 3) + (-26 - 5 n) a(n + 2) + (12 + 2 n) a(n + 1), a(0) = 3,

$a(1) = 16, a(2) = 51\}$

Sequence: A000574
Score: 9.36195
Type of gen. func.: ogf

$$-\frac{2 x - 3}{(-1 + x)^{6}}$$

Sequence: A000575
Score: 13.1871
Type of gen. func.: lgdogf

$$-\frac{2 (14 x^{3} - 54 x^{2} + 75 x - 40)}{(-1 + x) (4 x^{3} - 15 x^{2} + 20 x - 10)}$$

Sequence: A000575
Score: 4.15908
Type of gen. func.: ogf

$$\{(n^{2} + 21 n + 104) a(n + 1) + (-2 n^{2} - 29 n - 74) a(n + 2)$$
$$+ (n^{2} + 8 n + 15) a(n + 3), a(0) = 10, a(1) = 80, a(2) = 365\}$$

Sequence: A000575
Score: 5.35154
Type of gen. func.: ogf

$$-\frac{4 x^{3} - 15 x^{2} + 20 x - 10}{(-1 + x)^{10}}$$

Sequence: A000575
Score: 8.50300
Type of gen. func.: lgdogf

$$-\frac{-28 x^{3} + 108 x^{2} - 150 x + 80}{-4 x^{4} + 19 x^{3} - 35 x^{2} + 30 x - 10}$$

Sequence: A000578
Score: 10.5811
Type of gen. func.: ogf

$$\frac{x (x^{2} + 4 x + 1)}{(-1 + x)^{4}}$$

Sequence: A000578
Score: 11.8834
Type of gen. func.: lgdogf

$$-\frac{2 x^{2} + 14 x + 8}{x^{3} + 3 x^{2} - 3 x - 1}$$

Sequence: A000578
Score: 23.0691
Type of gen. func.: lgdogf

$$-\frac{2 (x^{2} + 7 x + 4)}{(-1 + x) (x^{2} + 4 x + 1)}$$

Sequence: A000578
Score: 3.92093
Type of gen. func.: ogf

$\{(n + 3) a(n + 4) + (-2 + 3 n) a(n + 3) + (-17 - 3 n) a(n + 2)$

$+ (-2 - n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 8, a(3) = 27\}$

Sequence: A000578
Score: 5.4396
Type of gen. func.: ogf

$-(660 f(x) + 1087)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 4 x^2 + f(x) - x)$$

Sequence: A000579
Score: 10.2043
Type of gen. func.: ogf

$$-\frac{x^6}{(-1 + x)^7}$$

Sequence: A000579
Score: 28.0618
Type of gen. func.: lgdogf

$$\frac{7}{-x + 1}$$

Sequence: A000579
Score: 4.97298
Type of gen. func.: ogf

$\{(-4 + n) a(n + 2) + (-2 - n) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0,$

$a(4) = 0, a(5) = 0, a(6) = 1\}$

Sequence: A000579
Score: 88.1232
Type of gen. func.: lgdogf

$$-\frac{7}{-1 + x}$$

Sequence: A000580
Score: 24.1606
Type of gen. func.: lgdogf

$$8$$

```
------
-x + 1
```

Sequence: A000580
Score: 6.50477
Type of gen. func.: ogf

$$\{(-2 - n)\, a(n + 2) + (9 + n)\, a(n + 1),\ a(0) = 1,\ a(1) = 8\}$$

Sequence: A000580
Score: 73.6400
Type of gen. func.: lgdogf

$$- \frac{8}{-1 + x}$$

Sequence: A000580
Score: 8.24995
Type of gen. func.: ogf

$$\frac{1}{(-1 + x)^{8}}$$

Sequence: A000581
Score: 28.5965
Type of gen. func.: lgdogf

$$\frac{9}{-x + 1}$$

Sequence: A000581
Score: 7.62572
Type of gen. func.: ogf

$$\{(-2 - n)\, a(n + 2) + (10 + n)\, a(n + 1),\ a(0) = 1,\ a(1) = 9\}$$

Sequence: A000581
Score: 74.8264

Type of gen. func.: lgdogf

$$-\frac{9}{-1 + x}$$

Sequence: A000581
Score: 8.25465
Type of gen. func.: ogf

$$-\frac{1}{(-1 + x)^{9}}$$

Sequence: A000582
Score: 26.4062
Type of gen. func.: lgdogf

$$\frac{10}{-x + 1}$$

Sequence: A000582
Score: 7.09056
Type of gen. func.: ogf

$$\frac{1}{(-1 + x)^{10}}$$

Sequence: A000582
Score: 7.22434
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (11 + n) a(n + 1), a(0) = 1, a(1) = 10\}$$

Sequence: A000582
Score: 75.2044
Type of gen. func.: lgdogf

$$-\frac{10}{-1 + x}$$

Sequence: A000583
Score: 14.6197
Type of gen. func.: lgdogf

$$-\frac{2\,(x^3+18\,x^2+33\,x+8)}{(-1+x)\,(1+x)\,(x^2+10\,x+1)}$$

Sequence: A000583
Score: 3.95736
Type of gen. func.: ogf

$$\{(-4\,n^2-17\,n-18)\,a(n+1)+(8\,n^2+32\,n+72)\,a(n+2)$$
$$+(-4\,n^2-15\,n-14)\,a(n+3),\ a(0)=0,\ a(1)=1,\ a(2)=16\}$$

Sequence: A000583
Score: 7.65941
Type of gen. func.: ogf

$$-\frac{x\,(1+x)\,(x^2+10\,x+1)}{(-1+x)^5}$$

Sequence: A000583
Score: 9.25097
Type of gen. func.: lgdogf

$$-\frac{2\,x^3+36\,x^2+66\,x+16}{x^4+10\,x^3-10\,x-1}$$

Sequence: A000584
Score: 10.3582
Type of gen. func.: lgdogf

4 3 2

$$-\frac{2\,(x + 41\,x + 171\,x + 131\,x + 16)}{(-1 + x)\,(x^{4} + 26\,x^{3} + 66\,x^{2} + 26\,x + 1)}$$

Sequence: A000584
Score: 6.25086
Type of gen. func.: ogf

$$\frac{x\,(x^{4} + 26\,x^{3} + 66\,x^{2} + 26\,x + 1)}{(-1 + x)^{6}}$$

Sequence: A000587
Score: 16.4666
Type of gen. func.: lgdegf]

$$(n + 2)\,a(n + 2) - a(n + 1),\ a(0) = -1,\ a(1) = -1$$

Sequence: A000587
Score: 29.7121
Type of gen. func.: lgdegf]

$$-\exp(x)$$

Sequence: A000588
Score: 12.5094
Type of gen. func.: lgdogf

$$\frac{14}{(-4\,x + 1)^{1/2}\,(1 + (-4\,x + 1)^{1/2})}$$

Sequence: A000588
Score: 22.3453
Type of gen. func.: lgdogf

$$-49 + (7 - 28\,x)\,f(x) + (-4\,x^{2} + x)\,f(x)^{2}$$

Sequence: A000588
Score: 5.33618
Type of gen. func.: ogf

$$\{(-4 n^2 - 14 n - 12) a(n + 1) + (n^2 + 5 n - 6) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$$

Sequence: A000588
Score: 7.63075
Type of gen. func.: ogf

$$f(x)^2 x^4 + 7 f(x) x^3 - 14 f(x) x^2 + x^3 + 7 f(x) x - f(x)$$

Sequence: A000589
Score: 12.0870
Type of gen. func.: lgdogf

$$\frac{22}{(-4 x + 1)^{1/2} (1 + (-4 x + 1)^{1/2})}$$

Sequence: A000589
Score: 20.1276
Type of gen. func.: lgdogf

$$-121 + (11 - 44 x) f(x) + (-4 x^2 + x) f(x)^2$$

Sequence: A000589
Score: 5.85165
Type of gen. func.: ogf

$$\{(-4 n^2 - 54 n - 182) a(n + 1) + (n^2 + 15 n + 26) a(n + 2), a(0) = 1, a(1) = 11\}$$

Sequence: A000590
Score: 12.4517
Type of gen. func.: lgdogf

$$\frac{26}{(-4 x + 1)^{1/2} (1 + (-4 x + 1)^{1/2})}$$

Sequence: A000590
Score: 20.7456
Type of gen. func.: lgdogf

$$-169 + (13 - 52 x) f(x) + (-4 x^2 + x) f(x)^2$$

Sequence: A000590
Score: 6.02821
Type of gen. func.: ogf

$$\{(-4 n^2 - 62 n - 240) a(n + 1) + (n^2 + 17 n + 30) a(n + 2), a(0) = 1, a(1) = 13\}$$

Sequence: A000594
Score: 25.3526
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{24}{-1 + x}$$

Sequence: A000596
Score: 4.25009
Type of gen. func.: ogf

$$\{(2 n^2 + 19 n + 45) a(n + 1) + (-74 n^2 - 907 n - 2841) a(n + 2) + (72 n^2 + 468 n + 756) a(n + 3), a(0) = 4, a(1) = 49, a(2) = 273\}$$

Sequence: A000596
Score: 7.54689
Type of gen. func.: ogf

$$x^3 + 14 x^2 + 21 x + 4$$

$$-\frac{}{(-1 + x)^{7}}$$

Sequence: A000596
Score: 7.82024
Type of gen. func.: lgdogf

$$-\frac{4 x^{3} + 73 x^{2} + 154 x + 49}{(-1 + x) (x^{3} + 14 x^{2} + 21 x + 4)}$$

Sequence: A000596
Score: 9.38973
Type of gen. func.: lgdogf

$$-\frac{4 x^{3} + 73 x^{2} + 154 x + 49}{x^{4} + 13 x^{3} + 7 x^{2} - 17 x - 4}$$

Sequence: A000597
Score: 4.54545
Type of gen. func.: ogf

$$\frac{x^{5} + 75 x^{4} + 603 x^{3} + 1065 x^{2} + 460 x + 36}{(-1 + x)^{10}}$$

Sequence: A000601
Score: 11.2471
Type of gen. func.: lgdogf

$$-\frac{7 x^{3} + 9 x^{2} + 6 x + 2}{x^{4} + x^{3} - x - 1}$$

Sequence: A000601
Score: 15.2790
Type of gen. func.: ogf

$$\frac{1}{(1 + x)\,(x^2 + x + 1)\,(-1 + x)^4}$$

Sequence: A000601
Score: 18.4684
Type of gen. func.: lgdogf

$$-\frac{7 x^3 + 9 x^2 + 6 x + 2}{(-1 + x)\,(1 + x)\,(x^2 + x + 1)}$$

Sequence: A000601
Score: 32.2243
Type of gen. func.: ogf_with_Euler_transform]

$$x^2 + x + 2$$

Sequence: A000655
Score: 13.4768
Type of gen. func.: ogf

$$\frac{x^3 - 2 x^2 - 2 x - 1}{-1 + x}$$

Sequence: A000655
Score: 15.8351
Type of gen. func.: lgdogf

$$\frac{2 x^3 - 5 x^2 + 4 x + 3}{(-1 + x)\,(x^3 - 2 x^2 - 2 x - 1)}$$

Sequence: A000655
Score: 7.44032
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3), a(0) = 1, a(1) = 3, a(2) = 5, a(3) = 4\}$$

Sequence: A000655
Score: 7.93634
Type of gen. func.: ogf

$$-(79 f(x) + 649) (-x^{3} + f(x) x + 2 x^{2} - f(x) + 2 x + 1)$$

Sequence: A000655
Score: 9.92043
Type of gen. func.: lgdogf

$$-\frac{-2 x^{3} + 5 x^{2} - 4 x - 3}{x^{4} - 3 x^{3} + x + 1}$$

Sequence: A000680
Score: 7.05351
Type of gen. func.: ogf

$$\{(2 n^{2} + 7 n + 6) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A000681
Score: 4.15714
Type of gen. func.: ogf

$$\{(n^{3} + 7 n^{2} + 16 n + 12) a(n + 1) + (-2 n^{2} - 12 n - 18) a(n + 2) + 2 a(n + 3),$$

$$a(0) = 1, a(1) = 1, a(2) = 3\}$$

Sequence: A000689
Score: 10.5085
Type of gen. func.: ogf

$$-\frac{5 x^{3} + 3 x^{2} + x + 1}{(x^{2} + 1) (-1 + x)}$$

Sequence: A000689
Score: 11.5985
Type of gen. func.: lgdogf

$$-\frac{2\,(4\,x^4 - 4\,x^3 + 7\,x^2 + 2\,x + 1)}{(-1 + x)\,(x^2 + 1)\,(5\,x^3 + 3\,x^2 + x + 1)}$$

Sequence: A000689
Score: 5.49306
Type of gen. func.: ogf

{-a(n + 4) + a(n + 3) - a(n + 2) + a(n + 1), a(0) = 1, a(1) = 2, a(2) = 4,

a(3) = 8}

Sequence: A000689
Score: 6.09314
Type of gen. func.: ogf

$$(f(x) - 1)\,(f(x)\,x^3 - f(x)\,x^2 + 5\,x^3 + f(x)\,x + 3\,x^2 - f(x) + x + 1)$$

Sequence: A000700
Score: 17.8870
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^2 + x - 1}{-x^4 + 1}$$

Sequence: A000710
Score: 19.3901
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^4 + 2}{-1 + x}$$

Sequence: A000711
Score: 19.4243
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{4}+3}{-1+x}$$

Sequence: A000712
Score: 31.7198
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{2}{-x+1}$$

Sequence: A000713
Score: 22.0559
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3+x}{-x+1}$$

Sequence: A000714
Score: 16.0608
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{2}+3}{-1+x}$$

Sequence: A000715
Score: 19.2509
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{3}+3}{-1+x}$$

Sequence: A000716

Score: 37.3944
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{3}{-x + 1}$$

Sequence: A000726
Score: 20.1326
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x - 1}{-x^3 + 1}$$

Sequence: A000727
Score: 34.2767
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{4}{-1 + x}$$

Sequence: A000728
Score: 27.0504
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{5}{-1 + x}$$

Sequence: A000729
Score: 31.7307
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{6}{-1 + x}$$

Sequence: A000730
Score: 25.1240
Type of gen. func.: ogf_with_Euler_transform]

$$7$$

```
 ------
 -1 + x
```

Sequence: A000731
Score: 30.4619
Type of gen. func.: ogf_with_Euler_transform]

```
   8
 ------
 -1 + x
```

Sequence: A000735
Score: 29.8514
Type of gen. func.: ogf_with_Euler_transform]

```
   12
 ------
 -1 + x
```

Sequence: A000739
Score: 22.8927
Type of gen. func.: ogf_with_Euler_transform]

```
   16
 ------
 -1 + x
```

Sequence: A000748
Score: 15.2324
Type of gen. func.: lgdogf

```
       -3 - 6 x
 - ---------------
          2
    -3 x  - 3 x - 1
```

Sequence: A000748
Score: 25.2123
Type of gen. func.: ogf

```
       1
 --------------
    2
 3 x  + 3 x + 1
```

Sequence: A000748
Score: 33.1930
Type of gen. func.: lgdogf

$$-\frac{3\,(1+2\,x)}{3\,x^2+3\,x+1}$$

Sequence: A000748
Score: 8.91654
Type of gen. func.: ogf

$$\{a(n+2)+3\,a(n+1)+3\,a(n),\ a(0)=1,\ a(1)=-3\}$$

Sequence: A000748
Score: 9.0266
Type of gen. func.: ogf

$$(f(x)+2)\,(3\,f(x)\,x^2+3\,f(x)\,x+f(x)-1)$$

Sequence: A000749
Score: 10.8997
Type of gen. func.: lgdogf

$$-\frac{-12\,x^2+12\,x-4}{-4\,x^3+6\,x^2-4\,x+1}$$

Sequence: A000749
Score: 15.9862
Type of gen. func.: ogf

$$-\frac{x^3}{(2\,x-1)\,(2\,x^2-2\,x+1)}$$

Sequence: A000749

Score: 18.3552
Type of gen. func.: lgdogf

$$-\frac{4\,(3\,x^{2} - 3\,x + 1)}{(2\,x - 1)\,(2\,x^{2} - 2\,x + 1)}$$

Sequence: A000749
Score: 5.57657
Type of gen. func.: ogf

{-a(n + 4) + 4 a(n + 3) - 6 a(n + 2) + 4 a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0,

a(3) = 1}

Sequence: A000749
Score: 7.26644
Type of gen. func.: ogf

$$-f(x)\,(4\,f(x)\,x^{3} - 6\,f(x)\,x^{2} + x^{3} + 4\,f(x)\,x - f(x))$$

Sequence: A000750
Score: 11.7734
Type of gen. func.: lgdogf

$$-\frac{5\,(1 + 2\,x)\,(2\,x^{2} + 2\,x + 1)}{5\,x^{4} + 10\,x^{3} + 10\,x^{2} + 5\,x + 1}$$

Sequence: A000750
Score: 12.1575
Type of gen. func.: ogf

$$\frac{1}{5\,x^{4} + 10\,x^{3} + 10\,x^{2} + 5\,x + 1}$$

Sequence: A000750
Score: 5.89073
Type of gen. func.: ogf

$$-5 f(x) x^4 - 10 f(x) x^3 - 10 f(x) x^2 - 5 f(x) x - f(x) + 1$$

Sequence: A000757
Score: 3.21260
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 1) + (-2 n - 4) a(n + 2) + (-n - 1) a(n + 3) + a(n + 4),$$
$$a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 1\}$$

Sequence: A000770
Score: 7.13559
Type of gen. func.: lgdogf

$$- \frac{4320 x^5 - 8820 x^4 + 6496 x^3 - 2205 x^2 + 350 x - 21}{(-1 + x) (6 x - 1) (-1 + 4 x) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A000770
Score: 8.93840
Type of gen. func.: ogf

$$\frac{1}{(-1 + x) (6 x - 1) (-1 + 4 x) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A000771
Score: 5.80911
Type of gen. func.: lgdogf

$$- \frac{4 (8820 x^6 - 19602 x^5 + 16415 x^4 - 6769 x^3 + 1470 x^2 - 161 x + 7)}{(-1 + x) (6 x - 1) (-1 + 4 x) (3 x - 1) (2 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A000771
Score: 7.64080
Type of gen. func.: ogf

$$- \frac{1}{(-1 + x) (6 x - 1) (-1 + 4 x) (3 x - 1) (2 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A000773
Score: 14.3556
Type of gen. func.: ogf

$$\frac{x^{3}}{(2 x - 1) (1 + x) (3 x^{2} - 1)}$$

Sequence: A000773
Score: 16.1125
Type of gen. func.: lgdogf

$$- \frac{24 x^{3} + 9 x^{2} - 10 x - 1}{(2 x - 1) (1 + x) (3 x^{2} - 1)}$$

Sequence: A000773
Score: 6.08676
Type of gen. func.: ogf

$$-(3 f(x) - 1) (6 f(x) x^{4} + 3 f(x) x^{3} - 5 f(x) x^{2} - x^{3} - f(x) x + f(x))$$

Sequence: A000773
Score: 9.27860
Type of gen. func.: lgdogf

$$- \frac{24 x^{3} + 9 x^{2} - 10 x - 1}{6 x^{4} + 3 x^{3} - 5 x^{2} - x + 1}$$

Sequence: A000777
Score: 4.52219
Type of gen. func.: ogf

$$-4 f(x)^{2} x^{4} + 9 f(x)^{2} x^{3} - 6 f(x)^{2} x^{2} + 12 f(x) x^{3} + f(x)^{2} x - 19 f(x) x^{2}$$

$^{3} ^{2}$

$$- 9 x + 8 f(x) x + 12 x - f(x) - 7 x + 1$$

Sequence: A000778
Score: 5.13966
Type of gen. func.: ogf

$$f(x)^2 x^4 - 2 f(x)^2 x^3 + f(x)^2 x^2 - f(x) x^3 - f(x) x^2 + x^3 + 3 f(x) x - f(x) - x + 1$$

Sequence: A000779
Score: 13.5354
Type of gen. func.: lgdegf]

$$- \frac{2 (2 x + 5 + (1 - 2 x)^{1/2})}{(2 x + 3) (2 x - 1)}$$

Sequence: A000779
Score: 4.29176
Type of gen. func.: egf]

$$-8 f(x)^2 x^3 + 12 f(x)^2 x^2 - 6 f(x)^2 x + 8 f(x) x^2 + f(x)^2 - 8 f(x) x + 2 f(x) - 2 x - 3$$

Sequence: A000779
Score: 7.86824
Type of gen. func.: lgdegf]

$$- \frac{2 (2 x + 5 + (1 - 2 x)^{1/2})}{(2 x + 3) (2 x - 1)}$$

Sequence: A000780
Score: 11.3296
Type of gen. func.: egf]

$$\frac{x^2 - x - 1}{3}$$

$$(-1 + x)$$

Sequence: A000780
Score: 12.3412
Type of gen. func.: lgdegf]

$$-\frac{-x^2 + 4}{-x^3 + 2 x^2 - 1}$$

Sequence: A000780
Score: 23.4113
Type of gen. func.: lgdegf]

$$-\frac{(-2 + x) (x + 2)}{(-1 + x) (x^2 - x - 1)}$$

Sequence: A000780
Score: 3.07158
Type of gen. func.: ogf

$$\{(2 n^2 + 8 n + 8) a(n + 1) + (3 n^2 + 19 n + 34) a(n + 2) + (n^2 + 7 n + 16) a(n + 3) + (-n - 4) a(n + 4), a(0) = 1, a(1) = 4, a(2) = 16, a(3) = 78\}$$

Sequence: A000780
Score: 6.17059
Type of gen. func.: egf]

$$(5 f(x) - 29) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + x + 1)$$

Sequence: A000781
Score: 4.62096
Type of gen. func.: ogf

$$-f(x)^2 x^4 + 2 f(x)^2 x^3 - f(x)^2 x^2 - 5 f(x) x^3 + 15 f(x) x^2 - x^3 - 13 f(x) x$$

```
          2
     + 2 x  + 3 f(x) + x - 3



-------------------------------------------------------------------------------

Sequence:  A000782
Score: 11.8755
Type of gen. func.: ogf


                          2  2
                     -f(x)  x  - 5 f(x) x + 2 f(x) - x - 2



-------------------------------------------------------------------------------

Sequence:  A000782
Score: 15.3119
Type of gen. func.: revogf


                              2       2                   2 1/2
                      5 x    x     ((x  + 6 x + 1) (x + 2) )
                 -1 - --- - ---- + ----------------------------
                       2     2                 2



-------------------------------------------------------------------------------

Sequence:  A000782
Score: 4.08828
Type of gen. func.: ogf


       2                               2
{(-20 n  - 70 n - 60) a(n + 1) + (-11 n  - 79 n - 150) a(n + 2)

           2
     + (4 n  + 32 n + 60) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 8}



-------------------------------------------------------------------------------

Sequence:  A000782
Score: 8.59949
Type of gen. func.: revogf


                 2                4       3       2            1/2
                x     5 x       (x  + 10 x  + 29 x  + 28 x + 4)
             - ---- - --- - 1 + ----------------------------------
                2      2                        2



-------------------------------------------------------------------------------

Sequence:  A000792
Score: 13.1961
Type of gen. func.: lgdogf


                         6      4       3      2
                      3 x  - 6 x  - 10 x  - 9 x  - 4 x - 1
                      -------------------------------------
```

$$(3 x^{3} - 1) (x^{4} + 2 x^{2} + x + 1)$$

Sequence: A000792
Score: 13.9230
Type of gen. func.: ogf

$$- \frac{x^{4} + 2 x^{2} + x + 1}{3 x^{3} - 1}$$

Sequence: A000792
Score: 7.34827
Type of gen. func.: ogf

$$\{-a(n + 5) + 3 a(n + 2), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 3, a(4) = 4\}$$

Sequence: A000792
Score: 9.52572
Type of gen. func.: ogf

$$-(4 f(x) - 3) (3 f(x) x^{3} + x^{4} + 2 x^{2} - f(x) + x + 1)$$

Sequence: A000803
Score: 12.6688
Type of gen. func.: ogf

$$- \frac{4 x^{2} (3 x - 2)}{(-1 + x) (x^{3} + x^{2} + x - 1)}$$

Sequence: A000803
Score: 15.0458
Type of gen. func.: lgdogf

$$- \frac{9 x^{4} - 8 x^{3} + 1}{(-1 + x) (3 x - 2) (x^{3} + x^{2} + x - 1)}$$

Sequence: A000803
Score: 7.2012
Type of gen. func.: ogf

$$(3 f(x) + 32) (f(x) x^4 + 12 x^3 - 2 f(x) x - 8 x^2 + f(x))$$

Sequence: A000803
Score: 9.00150
Type of gen. func.: lgdogf

$$- \frac{9 x^4 - 8 x^3 + 1}{3 x^5 - 2 x^4 - 6 x^2 + 7 x - 2}$$

Sequence: A000806
Score: 13.5247
Type of gen. func.: lgdegf]

$$\frac{-1 + (1 + 2 x)^{1/2}}{1 + 2 x}$$

Sequence: A000806
Score: 18.9882
Type of gen. func.: lgdegf]

$$-2 x + (2 + 4 x) f(x) + (4 x^2 + 4 x + 1) f(x)^2$$

Sequence: A000806
Score: 3.30180
Type of gen. func.: ogf

$$\{(n + 2) a(n + 1) + (-2 n^2 - 8 n - 6) a(n + 2) + (-2 n^2 - 16 n - 30) a(n + 3)$$
$$+ (-n - 4) a(n + 4), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = -5\}$$

Sequence: A000806
Score: 31.3718
Type of gen. func.: revegf]

$$\frac{1}{2} \ln(1 + x) (\ln(1 + x) + 2)$$

Sequence: A000852
Score: 5.39652
Type of gen. func.: lgdogf

$$\frac{130 x^{15} - 270 x^{14} + 140 x^{13} + 183 x^{5} - 415 x^{4} + 216 x^{3} + 12 x^{2} - 2 x + 8}{(-1 + x) (10 x^{15} - 10 x^{14} + 61 x^{5} - 55 x^{4} - 4 x^{3} + 4 x^{2} - 6 x - 1)}$$

Sequence: A000852
Score: 6.80582
Type of gen. func.: ogf

$$- \frac{10 x^{15} - 10 x^{14} + 61 x^{5} - 55 x^{4} - 4 x^{3} + 4 x^{2} - 6 x - 1}{(-1 + x)^{2}}$$

Sequence: A000855
Score: 5.39768
Type of gen. func.: ogf

$$- (50 x^{12} + 25 x^{11} + 13 x^{10} - 44 x^{9} + 28 x^{8} - 36 x^{7} + 32 x^{6} + 16 x^{5} + 8 x^{4} + 4 x^{3} + 2 x^{2} + x + 1) \Big/ ((-1 + x) (x^{2} + 1) (x^{8} - x^{6} + x^{4} - x^{2} + 1))$$

Sequence: A000865
Score: 14.5440
Type of gen. func.: lgdogf

$$- \frac{2 (-50 + 49 x)}{(-1 + x) (98 x^{2} - 98 x - 1)}$$

Sequence: A000865
Score: 5.07573
Type of gen. func.: ogf

$$\{-a(n+3)+2\,a(n+2)-a(n+1),\ a(0)=1,\ a(1)=100,\ a(2)=101\}$$

Sequence: A000865
Score: 5.49007
Type of gen. func.: ogf

$$(f(x)+4999)\,(f(x)\,x^{2}-2\,f(x)\,x+98\,x^{2}+f(x)-98\,x-1)$$

Sequence: A000865
Score: 8.54011
Type of gen. func.: lgdogf

$$-\frac{-98\,x+100}{-98\,x^{3}+196\,x^{2}-97\,x-1}$$

Sequence: A000865
Score: 9.78231
Type of gen. func.: ogf

$$-\frac{98\,x^{2}-98\,x-1}{(-1+x)^{2}}$$

Sequence: A000873
Score: 5.09059
Type of gen. func.: lgdogf

$$\frac{8520\,x^{14}-17750\,x^{13}+9230\,x^{12}+122\,x^{4}-299\,x^{3}+165\,x^{2}+3\,x+11}{(-1+x)\,(710\,x^{14}-710\,x^{13}+61\,x^{4}-55\,x^{3}-4\,x^{2}+5\,x-8)}$$

Sequence: A000873
Score: 6.51132
Type of gen. func.: ogf

$$-\frac{710 x^{14} - 710 x^{13} + 61 x^{4} - 55 x^{3} - 4 x^{2} + 5 x - 8}{(-1 + x)^{2}}$$

Sequence: A000888
Score: 14.6746
Type of gen. func.: ogf

$$\mathrm{hypergeom}([1/2, 1/2], [2], 16 x)$$

Sequence: A000888
Score: 5.96528
Type of gen. func.: ogf

$$\{(-16 n^{2} - 48 n - 36) a(n + 1) + (n^{2} + 5 n + 6) a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A000891
Score: 4.25331
Type of gen. func.: ogf

$$\{(16 n^{2} + 64 n + 60) a(n + 1) + (-n^{2} - 6 n - 9) a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A000894
Score: 4.00796
Type of gen. func.: ogf

$$\{(-16 n^{2} - 64 n - 60) a(n + 1) + (n^{2} + 5 n + 6) a(n + 2), a(0) = 1, a(1) = 6\}$$

Sequence: A000897
Score: 10.5614
Type of gen. func.: ogf

$$\mathrm{hypergeom}([1/4, 3/4], [1], 64 x)$$

Sequence: A000897
Score: 4.19103

Type of gen. func.: ogf

$$\{(-64 n^2 - 192 n - 140) a(n + 1) + (n^2 + 4 n + 4) a(n + 2), a(0) = 1, a(1) = 12\}$$

Sequence: A000898
Score: 137.926
Type of gen. func.: lgdegf]

$$2 + 2 x$$

Sequence: A000898
Score: 7.12364
Type of gen. func.: ogf

$$\{(2 n + 4) a(n + 1) - a(n + 3) + 2 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A000904
Score: 3.35488
Type of gen. func.: ogf

$$\{-a(n + 1) + (-n - 7) a(n + 2) + (-n - 6) a(n + 3) + a(n + 4), a(0) = 0, a(1) = 3, a(2) = 13, a(3) = 83\}$$

Sequence: A000906
Score: 11.2762
Type of gen. func.: lgdegf]

$$-\frac{15 x + 10}{6 x^2 - x - 1}$$

Sequence: A000906
Score: 20.4621
Type of gen. func.: lgdegf]

$$-\frac{5 (2 + 3 x)}{(3 x + 1) (2 x - 1)}$$

Sequence: A000906
Score: 4.90269
Type of gen. func.: ogf

$$\{(-2 n^2 - 13 n - 21) a(n + 1) + (n + 2) a(n + 2), a(0) = 2, a(1) = 20\}$$

Sequence: A000907
Score: 3.14434
Type of gen. func.: ogf

$$\{(-2 n^2 - 15 n - 28) a(n + 1) + (-12 n^2 - 125 n - 332) a(n + 2) + (6 n + 18) a(n + 3), a(0) = 6, a(1) = 130, a(2) = 2380\}$$

Sequence: A000907
Score: 6.18501
Type of gen. func.: lgdegf]

$$- \frac{10 x^3 + 405 x^2 + 690 x + 130}{4 x^4 + 112 x^3 + 71 x^2 - 52 x - 6}$$

Sequence: A000907
Score: 9.67974
Type of gen. func.: lgdegf]

$$- \frac{5 (2 x^3 + 81 x^2 + 138 x + 26)}{(2 x - 1) (2 x^3 + 57 x^2 + 64 x + 6)}$$

Sequence: A000909
Score: 5.20685
Type of gen. func.: ogf

$$\{(16 n^2 + 64 n + 60) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 12\}$$

Sequence: A000910
Score: 10.2670
Type of gen. func.: ogf

$$-\frac{5 x^{6}}{(-1 + x)^{7}}$$

Sequence: A000910
Score: 29.7010
Type of gen. func.: lgdogf

$$\frac{7}{-x + 1}$$

Sequence: A000910
Score: 5.26347
Type of gen. func.: ogf

{(-4 + n) a(n + 2) + (-2 - n) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0,

a(4) = 0, a(5) = 0, a(6) = 5}

Sequence: A000910
Score: 93.2172
Type of gen. func.: lgdogf

$$-\frac{7}{-1 + x}$$

Sequence: A000911
Score: 25.7327
Type of gen. func.: lgdogf

$$\frac{10}{-4 x + 1}$$

Sequence: A000911
Score: 61.1421
Type of gen. func.: lgdogf

$$-\frac{10}{-1 + 4 x}$$

Sequence: A000911
Score: 7.04007
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (14 + 4 n) a(n + 1), a(0) = 6, a(1) = 60\}$$

Sequence: A000914
Score: 10.0397
Type of gen. func.: ogf

$$-\frac{x (x + 2)}{(-1 + x)^{5}}$$

Sequence: A000914
Score: 15.3670
Type of gen. func.: lgdogf

$$-\frac{4 x + 11}{x^{2} + x - 2}$$

Sequence: A000914
Score: 33.7304
Type of gen. func.: lgdogf

$$-\frac{4 x + 11}{(x + 2) (-1 + x)}$$

Sequence: A000914
Score: 4.98663
Type of gen. func.: ogf

$$\{(2 n + 4) a(n + 3) + (-12 - n) a(n + 2) + (-n - 4) a(n + 1), a(0) = 0, a(1) = 2, a(2) = 11\}$$

Sequence: A000915
Score: 14.1310
Type of gen. func.: lgdogf

$$-\frac{6 x^3 + 157 x^2 + 508 x + 274}{(-1 + x) (x^3 + 22 x^2 + 58 x + 24)}$$

Sequence: A000915
Score: 4.06494
Type of gen. func.: ogf

$$\{(-4 n^2 - 57 n - 203) a(n + 1) + (-7 n^2 - 154 n - 691) a(n + 2) + (11 n^2 + 91 n + 174) a(n + 3), a(0) = 24, a(1) = 274, a(2) = 1624\}$$

Sequence: A000915
Score: 6.06565
Type of gen. func.: ogf

$$-\frac{x^3 + 22 x^2 + 58 x + 24}{(-1 + x)^9}$$

Sequence: A000915
Score: 8.62670
Type of gen. func.: lgdogf

$$-\frac{-6 x^3 - 157 x^2 - 508 x - 274}{-x^4 - 21 x^3 - 36 x^2 + 34 x + 24}$$

Sequence: A000917
Score: 6.02021
Type of gen. func.: ogf

$$\{(-4 n^2 - 26 n - 42) a(n + 1) + (n^2 + 6 n + 8) a(n + 2), a(0) = 3, a(1) = 20\}$$

Sequence: A000917
Score: 7.55598
Type of gen. func.: lgdogf

$$\frac{\left(-\frac{128 x^2 - 38 x + 3}{(-1 + 4 x)^{3/2}} + 3 I\right) (-1 + 4 x)^{1/2}}{x (16 x - 3)}$$

Sequence: A000918
Score: 12.2151
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = -1, a(1) = 0\}$$

Sequence: A000918
Score: 15.7051
Type of gen. func.: ogf

$$2 f(x) x^2 - 3 f(x) x + f(x) - 3 x + 1$$

Sequence: A000918
Score: 16.2201
Type of gen. func.: lgdogf

$$-\frac{6 x^2 - 4 x}{6 x^3 - 11 x^2 + 6 x - 1}$$

Sequence: A000918
Score: 21.9872
Type of gen. func.: ogf

$$\frac{3 x - 1}{(2 x - 1) (-1 + x)}$$

Sequence: A000918
Score: 25.1833
Type of gen. func.: revogf

$$\frac{-1 + 3 x + (x^2 + 6 x + 1)^{1/2}}{2 (2 x - 3)}$$

Sequence: A000918
Score: 26.5446
Type of gen. func.: lgdogf

$$- \frac{2 x (3 x - 2)}{(-1 + x) (3 x - 1) (2 x - 1)}$$

Sequence: A000919
Score: 12.4391
Type of gen. func.: lgdogf

$$- \frac{2 (48 x^3 - 75 x^2 + 35 x - 5)}{(-1 + x) (3 x - 1) (2 x - 1) (-1 + 4 x)}$$

Sequence: A000919
Score: 12.7090
Type of gen. func.: ogf

$$\frac{24 x^3}{(-1 + x) (3 x - 1) (2 x - 1) (-1 + 4 x)}$$

Sequence: A000919
Score: 7.08772
Type of gen. func.: ogf

$$-24 f(x) x^4 + 50 f(x) x^3 - 35 f(x) x^2 + 24 x^3 + 10 f(x) x - f(x)$$

Sequence: A000919
Score: 8.28229
Type of gen. func.: lgdogf

$$-\frac{-96 x^3 + 150 x^2 - 70 x + 10}{-24 x^4 + 50 x^3 - 35 x^2 + 10 x - 1}$$

Sequence: A000920
Score: 6.78754
Type of gen. func.: lgdogf

$$-\frac{4320 x^5 - 8820 x^4 + 6496 x^3 - 2205 x^2 + 350 x - 21}{(-1 + x) (6 x - 1) (-1 + 4 x) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A000920
Score: 7.80119
Type of gen. func.: ogf

$$\frac{720 x^5}{(-1 + x) (6 x - 1) (-1 + 4 x) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A000930
Score: 15.7917
Type of gen. func.: lgdogf

$$-\frac{-3 x^2 - 1}{-x^3 - x + 1}$$

Sequence: A000930
Score: 28.3162
Type of gen. func.: ogf

$$-\frac{1}{x^3 + x - 1}$$

Sequence: A000930
Score: 38.3825

```
Type of gen. func.: lgdogf


                                        2
                                     3 x  + 1
                                  - ----------
                                     3
                                    x  + x - 1



-------------------------------------------------------------------------------

Sequence:  A000930
Score: 8.73584
Type of gen. func.: ogf


          {-a(n + 3) + a(n + 2) + a(n), a(0) = 1, a(1) = 1, a(2) = 1}



-------------------------------------------------------------------------------

Sequence:  A000930
Score: 9.66081
Type of gen. func.: ogf


                                      3
                   -(f(x) - 1) (f(x) x  + f(x) x - f(x) + 1)



-------------------------------------------------------------------------------

Sequence:  A000931
Score: 11.3274
Type of gen. func.: ogf


                             3          2    2
                       f(x) x  + f(x) x  - x  - f(x) + 1



-------------------------------------------------------------------------------

Sequence:  A000931
Score: 14.3195
Type of gen. func.: ogf


                                (-1 + x) (1 + x)
                                ----------------
                                   3    2
                                  x  + x  - 1



-------------------------------------------------------------------------------

Sequence:  A000931
Score: 20.4059
Type of gen. func.: lgdogf


                                    2   2
                                   x  (x  - 3)
                        - ------------------------------
                                             3    2
```

$$(-1 + x) (1 + x) (x + x - 1)$$

Sequence: A000931
Score: 8.24926
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1) + a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$$

Sequence: A000931
Score: 9.98595
Type of gen. func.: lgdogf

$$-\frac{x^4 - 3 x^2}{x^5 + x^4 - x^3 - 2 x^2 + 1}$$

Sequence: A000932
Score: 6.25651
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 1) + a(n + 3) - a(n + 2), a(0) = 1, a(1) = 1, a(2) = 3\}$$

Sequence: A000933
Score: 10.2719
Type of gen. func.: lgdogf

$$-\frac{3 x^8 - 2 x^7 + 6 x^6 - 4 x^5 + 9 x^4 + 5 x^2 + 1}{(-1 + x) (x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^2 + 1)}$$

Sequence: A000933
Score: 18.8743
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9 + x^4 + x^3 + x^2 + 1$$

Sequence: A000933

Score: 7.28692
Type of gen. func.: ogf

$$-\frac{x^{4} \left(x^{4} - x^{3} + x^{2} - x + 1\right)}{\left(x^{2} + 1\right) \left(x^{2} + x + 1\right) \left(-1 + x\right)^{3}}$$

Sequence: A000957
Score: 13.8577
Type of gen. func.: revogf

$$-\frac{-2 x^{2} + x}{-x^{2} + 2 x - 1}$$

Sequence: A000957
Score: 3.46443
Type of gen. func.: ogf

$$\{(4 n^{2} + 2 n) a(n) + (3 n^{2} - 12 n - 12) a(n + 1) + (-9 n^{2} - 27 n - 18) a(n + 2)$$
$$+ (2 n^{2} + 10 n + 12) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 0\}$$

Sequence: A000957
Score: 35.6934
Type of gen. func.: revogf

$$-\frac{x (2 x - 1)}{(-1 + x)^{2}}$$

Sequence: A000957
Score: 9.87125
Type of gen. func.: ogf

$$-f(x)^{2} x - 2 f(x)^{2} + 2 f(x) x + f(x) - x$$

Sequence: A000958

Score: 14.2090
Type of gen. func.: revogf

$$\frac{(4 x^2 + 1)^{1/2} x + (4 x^2 + 1)^{1/2} - 1 - x - 2 x^2}{2 x^2}$$

Sequence: A000958
Score: 7.23025
Type of gen. func.: lgdogf

$$- \frac{1/2 I (x - 4)}{(-1 + 4 x)^{1/2} (x + 2) x} - \frac{3 x + 4}{2 (x + 2) x}$$

Sequence: A000958
Score: 9.95334
Type of gen. func.: ogf

$$f(x)^2 x^3 + 2 f(x)^2 x^2 + f(x) x - f(x) + 1$$

Sequence: A000962
Score: 7.15195
Type of gen. func.: lgdogf

$$- \frac{x^2 (2 x^8 - 10 x^7 + 3 x^6 + 28 x^5 - 39 x^4 + 22 x^3 + 17 x^2 - 8 x - 3)}{(1 + x) (2 x^4 - 7 x^3 + 6 x^2 + x - 1) (x^6 - 3 x^4 + 7 x^2 - 1)}$$

Sequence: A000962
Score: 9.33774
Type of gen. func.: ogf

$$\frac{(1 + x) (2 x^4 - 7 x^3 + 6 x^2 + x - 1)}{x^6 - 3 x^4 + 7 x^2 - 1}$$

Sequence: A000963

Score: 6.01973
Type of gen. func.: ogf

$$\frac{x\,(2\,x^4-7\,x^3+4\,x^2-1)}{x^6-3\,x^4+7\,x^2-1}$$

Sequence: A000964
Score: 7.48902
Type of gen. func.: lgdogf

$$-\frac{3\,x^8-12\,x^7+2\,x^6+24\,x^5-16\,x^4-12\,x^3+10\,x^2+8\,x+1}{(-1+x)\,(x^2-2\,x-1)\,(x^6-3\,x^4+7\,x^2-1)}$$

Sequence: A000964
Score: 8.77575
Type of gen. func.: ogf

$$-\frac{x^2\,(-1+x)\,(x^2-2\,x-1)}{x^6-3\,x^4+7\,x^2-1}$$

Sequence: A000969
Score: 11.1374
Type of gen. func.: ogf

$$-\frac{2\,x^2+x+1}{(x^2+x+1)\,(-1+x)^3}$$

Sequence: A000969
Score: 15.0304
Type of gen. func.: lgdogf

$$-\frac{6\,x^4+8\,x^3+11\,x^2+8\,x+3}{(-1+x)\,(x^2+x+1)\,(2\,x^2+x+1)}$$

Sequence: A000969
Score: 8.84106
Type of gen. func.: lgdogf

$$-\frac{6x^4+8x^3+11x^2+8x+3}{2x^5+x^4+x^3-2x^2-x-1}$$

Sequence: A000970
Score: 5.56571
Type of gen. func.: ogf

$$-\frac{3x^5+2x^4+4x^3+3x^2+3x+1}{(x^4+x^3+x^2+x+1)(-1+x)^5}$$

Sequence: A000970
Score: 5.94914
Type of gen. func.: lgdogf

$$-\frac{12x^9+22x^8+44x^7+57x^6+72x^5+72x^4+52x^3+40x^2+22x+7}{(-1+x)(3x^5+2x^4+4x^3+3x^2+3x+1)(x^4+x^3+x^2+x+1)}$$

Sequence: A000971
Score: 3.87899
Type of gen. func.: ogf

$$\frac{x^8+3x^7+3x^6-4x^5+10x^4-4x^3+3x^2+3x+1}{(x^6+x^3+1)(-1+x)^6}$$

Sequence: A000972
Score: 3.87921
Type of gen. func.: ogf

$$-\frac{4x^8+6x^7+12x^6+7x^5+10x^4+9x^3+9x^2+6x+1}{}$$

$$(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (-1 + x)^7$$

Sequence: A000973
Score: 13.2594
Type of gen. func.: lgdogf

$$- \frac{5 x^3 + 45 x^2 + 63 x + 15}{(-1 + x) (1 + x) (x^2 + 6 x + 1)}$$

Sequence: A000973
Score: 5.24015
Type of gen. func.: ogf

$$\{(2 n^2 + 23 n + 66) a(n + 1) + (-2 n^2 - 9 n - 10) a(n + 2), a(0) = 1, a(1) = 15 \}$$

Sequence: A000973
Score: 5.69982
Type of gen. func.: ogf

$$\frac{(1 + x) (x^2 + 6 x + 1)}{(-1 + x)^8}$$

Sequence: A000973
Score: 8.66372
Type of gen. func.: lgdogf

$$- \frac{5 x^3 + 45 x^2 + 63 x + 15}{x^4 + 6 x^3 - 6 x - 1}$$

Sequence: A000975
Score: 10.5737
Type of gen. func.: ogf

$$2 f(x) x^{3} - f(x) x^{2} - 2 f(x) x + f(x) - x$$

Sequence: A000975
Score: 11.2544
Type of gen. func.: lgdogf

$$-\frac{-6 x^{2} + 2 x + 2}{-2 x^{3} + x^{2} + 2 x - 1}$$

Sequence: A000975
Score: 16.0062
Type of gen. func.: ogf

$$\frac{x}{(-1 + x) (2 x - 1) (1 + x)}$$

Sequence: A000975
Score: 19.1836
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^{2} - x - 1)}{(-1 + x) (2 x - 1) (1 + x)}$$

Sequence: A000975
Score: 6.48902
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + a(n + 1) - 2 a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A000981
Score: 5.88386
Type of gen. func.: lgdogf

$$\frac{8800 x^{13} - 18400 x^{12} + 9600 x^{11} + 70 x^{3} - 210 x^{2} + 123 x + 19}{(-1 + x) (800 x^{13} - 800 x^{12} + 70 x^{3} - 61 x^{2} - x - 9)}$$

Sequence: A000981
Score: 7.16840
Type of gen. func.: ogf

$$-\frac{800 x^{13} - 800 x^{12} + 70 x^{3} - 61 x^{2} - x - 9}{(-1 + x)^{2}}$$

Sequence: A000982
Score: 13.7620
Type of gen. func.: lgdogf

$$-\frac{2 x^{3} + 2 x^{2} + 6 x + 2}{x^{4} - 1}$$

Sequence: A000982
Score: 14.4863
Type of gen. func.: ogf

$$-\frac{x (x^{2} + 1)}{(1 + x) (-1 + x)^{3}}$$

Sequence: A000982
Score: 20.8654
Type of gen. func.: lgdogf

$$-\frac{2 (x^{3} + x^{2} + 3 x + 1)}{(-1 + x) (1 + x) (x^{2} + 1)}$$

Sequence: A000982
Score: 28.3397
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^{3} + 2 x + 2]$$

```
------------------------------------------------------------------------------

Sequence:  A000982
Score: 7.43892
Type of gen. func.: ogf


                                4            3    3
       (151 f(x) + 527) (f(x) x  - 2 f(x) x  + x  + 2 f(x) x - f(x) + x)


------------------------------------------------------------------------------

Sequence:  A000984
Score: 18.6603
Type of gen. func.: ogf


                                    2         2
                             -4 f(x)  x + f(x)  - 1


------------------------------------------------------------------------------

Sequence:  A000984
Score: 29.9898
Type of gen. func.: lgdogf


                                        2
                                    --------
                                    -4 x + 1


------------------------------------------------------------------------------

Sequence:  A000984
Score: 34.4327
Type of gen. func.: revogf


                                        2     1/2
                            (-2 x + (4 x  + 1)   ) x


------------------------------------------------------------------------------

Sequence:  A000984
Score: 75.1260
Type of gen. func.: lgdogf


                                         2
                                   - --------
                                     -1 + 4 x


------------------------------------------------------------------------------

Sequence:  A000984
Score: 8.07417
Type of gen. func.: ogf
```

```
          {(-2 - n) a(n + 2) + (6 + 4 n) a(n + 1), a(0) = 1, a(1) = 2}



------------------------------------------------------------------------------

Sequence:  A000985
Score: 11.9520
Type of gen. func.: lgdegf]


                                   3      2
                                  x  - 2 x  + 2
                               - ---------------
                                     2
                                 -2 x  + 4 x - 2



------------------------------------------------------------------------------

Sequence:  A000985
Score: 22.7341
Type of gen. func.: lgdegf]


                           3      2        2
                     -2 - x  + 2 x  + (2 x  - 4 x + 2) f(x)



------------------------------------------------------------------------------

Sequence:  A000985
Score: 3.18720
Type of gen. func.: egf]


{(-2 n - 10) a(n + 5) + (18 + 4 n) a(n + 4) + (-2 n - 6) a(n + 3) - 2 a(n + 2)

     + a(n + 1), a(0) = 1, a(1) = 1, a(2) = 3/2, a(3) = 11/6, a(4) = 7/3}



------------------------------------------------------------------------------

Sequence:  A000986
Score: 12.2518
Type of gen. func.: lgdegf]


  -a(n + 4) + 2 a(n + 3) - a(n + 2), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 5/2



------------------------------------------------------------------------------

Sequence:  A000986
Score: 13.1369
Type of gen. func.: lgdegf]


                                      3
                                    -x  + 2 x
                               - ---------------
                                     2
                                 -2 x  + 4 x - 2
```

Sequence: A000990
Score: 23.3352
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x-1}{-x+1}$$

Sequence: A000991
Score: 20.0533
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{2}+x+1}{-1+x}$$

Sequence: A000993
Score: 4.27404
Type of gen. func.: ogf

$$-\frac{500x^{7}+1700x^{6}+5x^{5}-723x^{4}-59x^{3}+68x^{2}+4x-1}{(-1+x)(5x-1)(1+2x)(2x-1)(5x+1)(10x-1)(1+x)}$$

Sequence: A001002
Score: 12.9219
Type of gen. func.: ogf

$$-1+f(x)-f(x)^{2}x-f(x)^{3}x^{2}$$

Sequence: A001002
Score: 15.8902
Type of gen. func.: revogf

$$-x(x^{2}+x-1)$$

Sequence: A001002
Score: 3.41726
Type of gen. func.: ogf

$$\{(-27 n^2 - 108 n - 105) a(n + 1) + (-22 n^2 - 121 n - 165) a(n + 2)$$

$$+ (5 n^2 + 35 n + 60) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 3\}$$

Sequence: A001002
Score: 47.9152
Type of gen. func.: revogf

$$-x (x^2 + x - 1)$$

Sequence: A001003
Score: 11.204
Type of gen. func.: ogf

$$-2 f(x)^2 x + f(x) x + f(x) - 1$$

Sequence: A001003
Score: 13.2311
Type of gen. func.: lgdogf

$$- \frac{-1 + x + (x^2 - 6 x + 1)^{1/2}}{2 (x^2 - 6 x + 1)^{1/2} x}$$

Sequence: A001003
Score: 15.0235
Type of gen. func.: revogf

$$- \frac{2 x^2 - x}{-x + 1}$$

Sequence: A001003
Score: 38.1366
Type of gen. func.: revogf

$$\frac{x (2 x - 1)}{}$$

$$-1 + x$$

Sequence: A001005
Score: 15.1237
Type of gen. func.: ogf

$$-1 + f(x) - f(x)^2 x^2 - f(x)^3 x^3$$

Sequence: A001005
Score: 20.2795
Type of gen. func.: revogf

$$- \frac{x}{-x^3 - x^2 - 1}$$

Sequence: A001005
Score: 67.8112
Type of gen. func.: revogf

$$\frac{x}{x^3 + x^2 + 1}$$

Sequence: A001006
Score: 12.1636
Type of gen. func.: ogf

$$f(x)^2 x^2 + f(x) x - f(x) + 1$$

Sequence: A001006
Score: 17.9413
Type of gen. func.: revogf

$$- \frac{x}{-x^2 - x - 1}$$

Sequence: A001006
Score: 4.78435
Type of gen. func.: ogf

$$\{(-3 n - 6) a(n + 1) + (-2 n - 7) a(n + 2) + (n + 5) a(n + 3),\ a(0) = 1,\ a(1) = 1,\ a(2) = 2\}$$

Sequence: A001006
Score: 64.0044
Type of gen. func.: revogf

$$\frac{x}{x^2 + x + 1}$$

Sequence: A001014
Score: 5.75782
Type of gen. func.: ogf

$$-\frac{x (1 + x) (x^4 + 56 x^3 + 246 x^2 + 56 x + 1)}{(-1 + x)^7}$$

Sequence: A001014
Score: 9.07528
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 + 88 x^4 + 718 x^3 + 1208 x^2 + 473 x + 32)}{(-1 + x) (1 + x) (x^4 + 56 x^3 + 246 x^2 + 56 x + 1)}$$

Sequence: A001015
Score: 4.89060
Type of gen. func.: ogf

$$\frac{x (x^6 + 120 x^5 + 1191 x^4 + 2416 x^3 + 1191 x^2 + 120 x + 1)}{(-1 + x)^8}$$

Sequence: A001015
Score: 6.86381
Type of gen. func.: lgdogf

$$-\frac{2\,(x^6+183\,x^5+2682\,x^4+8422\,x^3+7197\,x^2+1611\,x+64)}{(-1+x)\,(x^6+120\,x^5+1191\,x^4+2416\,x^3+1191\,x^2+120\,x+1)}$$

Sequence: A001016
Score: 4.15397
Type of gen. func.: ogf

$$-\frac{x\,(1+x)\,(x^6+246\,x^5+4047\,x^4+11572\,x^3+4047\,x^2+246\,x+1)}{(-1+x)^9}$$

Sequence: A001017
Score: 3.43554
Type of gen. func.: ogf

$$x\,(x^8+502\,x^7+14608\,x^6+88234\,x^5+156190\,x^4+88234\,x^3+14608\,x^2+502\,x+1)\;\Big/\;(-1+x)^{10}$$

Sequence: A001018
Score: 19.2513
Type of gen. func.: ogf

$$\{a(n+1)-8\,a(n),\ a(0)=1\}$$

Sequence: A001018
Score: 24.4164
Type of gen. func.: ogf

$$-8\,f(x)\,x+f(x)-1$$

Sequence: A001018

Score: 35.7525
Type of gen. func.: lgdogf

$$\frac{8}{-8 x + 1}$$

Sequence: A001018
Score: 47.6700
Type of gen. func.: ogf

$$-\frac{1}{8 x - 1}$$

Sequence: A001018
Score: 76.0151
Type of gen. func.: revegf]

$$1/8 \ln(8 x + 1)$$

Sequence: A001018
Score: 89.8360
Type of gen. func.: lgdogf

$$-\frac{8}{8 x - 1}$$

Sequence: A001019
Score: 12.3286
Type of gen. func.: ogf

$$\{a(n + 1) - 9 a(n), a(0) = 1\}$$

Sequence: A001019
Score: 17.4503
Type of gen. func.: ogf

$$-9 f(x) x + f(x) - 1$$

Sequence: A001019
Score: 22.8959
Type of gen. func.: lgdogf

$$\frac{9}{-9 x + 1}$$

Sequence: A001019
Score: 30.5279
Type of gen. func.: ogf

$$-\frac{1}{9 x - 1}$$

Sequence: A001019
Score: 48.3926
Type of gen. func.: revegf]

$$1/9 \ln(1 + 9 x)$$

Sequence: A001019
Score: 57.1912
Type of gen. func.: lgdogf

$$-\frac{9}{9 x - 1}$$

Sequence: A001020
Score: 13.1699
Type of gen. func.: ogf

$$\{a(n + 1) - 11 a(n), a(0) = 1\}$$

Sequence: A001020
Score: 16.6192
Type of gen. func.: ogf

$$-11 f(x) x + f(x) - 1$$

Sequence: A001020
Score: 23.2668
Type of gen. func.: lgdogf

$$\frac{11}{-11 x + 1}$$

Sequence: A001020
Score: 31.7275
Type of gen. func.: ogf

$$-\frac{1}{11 x - 1}$$

Sequence: A001020
Score: 45.7348
Type of gen. func.: revegf]

$$1/11 \ln(1 + 11 x)$$

Sequence: A001020
Score: 52.7709
Type of gen. func.: lgdogf

$$-\frac{11}{11 x - 1}$$

Sequence: A001021
Score: 10.7435
Type of gen. func.: ogf

$$\{a(n + 1) - 12 a(n), a(0) = 1\}$$

Sequence: A001021
Score: 13.5572
Type of gen. func.: ogf

$$-12 f(x) x + f(x) - 1$$

Sequence: A001021
Score: 18.9801
Type of gen. func.: lgdogf

$$\frac{12}{-12 x + 1}$$

Sequence: A001021
Score: 25.8820
Type of gen. func.: ogf

$$-\frac{1}{12 x - 1}$$

Sequence: A001021
Score: 37.1894
Type of gen. func.: revegf]

$$1/12 \ln(1 + 12 x)$$

Sequence: A001021
Score: 42.9109
Type of gen. func.: lgdogf

$$-\frac{12}{12 x - 1}$$

Sequence: A001022
Score: 15.5098
Type of gen. func.: ogf

$$\{a(n + 1) - 13 a(n), a(0) = 1\}$$

Sequence: A001022
Score: 19.5719
Type of gen. func.: ogf

$$-13 f(x) x + f(x) - 1$$

Sequence: A001022
Score: 27.4007
Type of gen. func.: lgdogf

$$\frac{13}{-13 x + 1}$$

Sequence: A001022
Score: 37.3645
Type of gen. func.: ogf

$$-\frac{1}{13 x - 1}$$

Sequence: A001022
Score: 53.9895
Type of gen. func.: revegf]

$$1/13 \ln(1 + 13 x)$$

Sequence: A001022
Score: 67.4869
Type of gen. func.: lgdogf

$$-\frac{13}{13 x - 1}$$

Sequence: A001023
Score: 15.8545
Type of gen. func.: ogf

$$\{a(n + 1) - 14 a(n), a(0) = 1\}$$

Sequence: A001023
Score: 20.0069
Type of gen. func.: ogf

$$-14 f(x) x + f(x) - 1$$

Sequence: A001023
Score: 28.0096
Type of gen. func.: lgdogf

$$\frac{14}{-14 x + 1}$$

Sequence: A001023
Score: 38.1949
Type of gen. func.: ogf

$$-\frac{1}{14 x - 1}$$

Sequence: A001023
Score: 55.2073
Type of gen. func.: revegf]

$$1/14 \ln(1 + 14 x)$$

Sequence: A001023
Score: 63.7007
Type of gen. func.: lgdogf

$$-\frac{14}{14 x - 1}$$

Sequence: A001024
Score: 16.1992
Type of gen. func.: ogf

$$\{a(n + 1) - 15 a(n), a(0) = 1\}$$

Sequence: A001024
Score: 20.4418
Type of gen. func.: ogf

$$-15 f(x) x + f(x) - 1$$

Sequence: A001024
Score: 28.6185
Type of gen. func.: lgdogf

$$\frac{15}{-15 x + 1}$$

Sequence: A001024
Score: 39.0252
Type of gen. func.: ogf

$$-\frac{1}{15 x - 1}$$

Sequence: A001024
Score: 56.4251
Type of gen. func.: revegf]

$$1/15 \ln(1 + 15 x)$$

Sequence: A001024
Score: 65.1059
Type of gen. func.: lgdogf

$$-\frac{15}{15 x - 1}$$

Sequence: A001025
Score: 16.6012
Type of gen. func.: ogf

$$\{a(n + 1) - 16 a(n), a(0) = 1\}$$

Sequence: A001025
Score: 20.9492
Type of gen. func.: ogf

```
                             -16 f(x) x + f(x) - 1



------------------------------------------------------------------------------

Sequence:  A001025
Score: 29.3289
Type of gen. func.: lgdogf


                                      16
                                   ---------
                                   -16 x + 1



------------------------------------------------------------------------------

Sequence:  A001025
Score: 39.9939
Type of gen. func.: ogf


                                        1
                                   - --------
                                     16 x - 1



------------------------------------------------------------------------------

Sequence:  A001025
Score: 57.8459
Type of gen. func.: revegf]


                               1/16 ln(1 + 16 x)



------------------------------------------------------------------------------

Sequence:  A001025
Score: 66.7452
Type of gen. func.: lgdogf


                                        16
                                   - --------
                                     16 x - 1



------------------------------------------------------------------------------

Sequence:  A001026
Score: 16.8310
Type of gen. func.: ogf


                         {a(n + 1) - 17 a(n), a(0) = 1}



------------------------------------------------------------------------------

Sequence:  A001026
Score: 21.2392
Type of gen. func.: ogf
```

$$-17 f(x) x + f(x) - 1$$

Sequence: A001026
Score: 29.7348
Type of gen. func.: lgdogf

$$\frac{17}{-17 x + 1}$$

Sequence: A001026
Score: 40.5475
Type of gen. func.: ogf

$$-\frac{1}{17 x - 1}$$

Sequence: A001026
Score: 58.6578
Type of gen. func.: revegf]

$$1/17 \ln(1 + 17 x)$$

Sequence: A001026
Score: 67.6820
Type of gen. func.: lgdogf

$$-\frac{17}{17 x - 1}$$

Sequence: A001027
Score: 17.2331
Type of gen. func.: ogf

$$\{a(n + 1) - 18 a(n), a(0) = 1\}$$

Sequence: A001027
Score: 21.7466
Type of gen. func.: ogf

$$-18 f(x) x + f(x) - 1$$

Sequence: A001027
Score: 30.4452
Type of gen. func.: lgdogf

$$\frac{18}{-18 x + 1}$$

Sequence: A001027
Score: 41.5162
Type of gen. func.: ogf

$$-\frac{1}{18 x - 1}$$

Sequence: A001027
Score: 60.0785
Type of gen. func.: revegf]

$$1/18 \ln(1 + 18 x)$$

Sequence: A001027
Score: 69.3214
Type of gen. func.: lgdogf

$$-\frac{18}{18 x - 1}$$

Sequence: A001029
Score: 17.4629
Type of gen. func.: ogf

$$\{a(n + 1) - 19 a(n), a(0) = 1\}$$

Sequence: A001029
Score: 22.0365

```
Type of gen. func.: ogf

                             -19 f(x) x + f(x) - 1



------------------------------------------------------------------------------

Sequence:  A001029
Score: 30.8511
Type of gen. func.: lgdogf

                                      19
                                   ---------
                                   -19 x + 1



------------------------------------------------------------------------------

Sequence:  A001029
Score: 42.0697
Type of gen. func.: ogf

                                        1
                                   - --------
                                     19 x - 1



------------------------------------------------------------------------------

Sequence:  A001029
Score: 60.8904
Type of gen. func.: revegf]

                               1/19 ln(1 + 19 x)



------------------------------------------------------------------------------

Sequence:  A001029
Score: 70.2582
Type of gen. func.: lgdogf

                                        19
                                   - --------
                                     19 x - 1



------------------------------------------------------------------------------

Sequence:  A001040
Score: 6.60056
Type of gen. func.: ogf

    {-a(n + 1) + (-2 - n) a(n + 2) + a(n + 3), a(0) = 0, a(1) = 1, a(2) = 1}



------------------------------------------------------------------------------

Sequence:  A001044
```

Score: 7.28615
Type of gen. func.: ogf

$$\{(n^2 + 4 n + 4) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A001045
Score: 16.2213
Type of gen. func.: lgdogf

$$-\frac{-4 x - 1}{-2 x^2 - x + 1}$$

Sequence: A001045
Score: 21.0438
Type of gen. func.: ogf

$$-\frac{x}{(2 x - 1) (1 + x)}$$

Sequence: A001045
Score: 23.9986
Type of gen. func.: revogf

$$\frac{-x - 1 + (9 x^2 + 2 x + 1)^{1/2}}{4 x}$$

Sequence: A001045
Score: 33.3894
Type of gen. func.: lgdogf

$$-\frac{4 x + 1}{(1 + x) (2 x - 1)}$$

Sequence: A001045
Score: 9.61261
Type of gen. func.: ogf

2

```
                 (f(x) + 1) (2 f(x) x  + f(x) x - f(x) + x)



--------------------------------------------------------------------------------

Sequence:  A001045
Score: 9.61262
Type of gen. func.: ogf


              {-a(n + 2) + a(n + 1) + 2 a(n), a(0) = 0, a(1) = 1}



--------------------------------------------------------------------------------

Sequence:  A001047
Score: 13.6404
Type of gen. func.: ogf


                                  2
                   -6 f(x) x  + 5 f(x) x - f(x) + x



--------------------------------------------------------------------------------

Sequence:  A001047
Score: 16.4242
Type of gen. func.: lgdogf


                                       12 x - 5
                                  - --------------
                                          2
                                    6 x  - 5 x + 1



--------------------------------------------------------------------------------

Sequence:  A001047
Score: 22.7052
Type of gen. func.: revogf


                                          2             1/2
                     -1 - 5 x + (x  + 10 x + 1)
                   - ----------------------------
                                   12 x



--------------------------------------------------------------------------------

Sequence:  A001047
Score: 24.3874
Type of gen. func.: ogf


                                         x
                                ------------------
                                (3 x - 1) (2 x - 1)



--------------------------------------------------------------------------------

Sequence:  A001047
```

Score: 29.4327
Type of gen. func.: lgdogf

$$-\frac{12x-5}{(3x-1)(2x-1)}$$

Sequence: A001047
Score: 9.93562
Type of gen. func.: ogf

$$\{a(n+2)-5a(n+1)+6a(n), a(0)=0, a(1)=1\}$$

Sequence: A001048
Score: 15.0044
Type of gen. func.: lgdegf]

$$-\frac{-x+3}{-x^2+3x-2}$$

Sequence: A001048
Score: 16.0047
Type of gen. func.: egf]

$$-\frac{-2+x}{(-1+x)^2}$$

Sequence: A001048
Score: 27.7105
Type of gen. func.: lgdegf]

$$-\frac{-3+x}{(-1+x)(-2+x)}$$

Sequence: A001048
Score: 4.28698
Type of gen. func.: ogf

$$\{(-n^2-4n-4)a(n+1)+(-2n^2-13n-21)a(n+2)+(2n+6)a(n+3),$$

```
    a(0) = 2, a(1) = 3, a(2) = 8}


------------------------------------------------------------------------------

Sequence:  A001048
Score: 8.47309
Type of gen. func.: egf]


                                    2
                (2 f(x) + 5) (f(x) x  - 2 f(x) x + f(x) + x - 2)


------------------------------------------------------------------------------

Sequence:  A001053
Score: 6.43759
Type of gen. func.: ogf


    {-a(n + 1) + (-2 - n) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 0, a(2) = 1}


------------------------------------------------------------------------------

Sequence:  A001057
Score: 15.8360
Type of gen. func.: ogf


                                        x
                              - -----------------
                                                2
                                (-1 + x) (1 + x)


------------------------------------------------------------------------------

Sequence:  A001057
Score: 16.1959
Type of gen. func.: lgdogf


                                     3 x - 1
                                   - -------
                                       2
                                      x  - 1


------------------------------------------------------------------------------

Sequence:  A001057
Score: 33.8031
Type of gen. func.: ogf_with_Euler_transform]


                                   [2 x - 1]


------------------------------------------------------------------------------

Sequence:  A001057
Score: 39.4584
```

Type of gen. func.: lgdogf

$$-\frac{3x - 1}{(-1 + x)(1 + x)}$$

Sequence: A001057
Score: 6.41998
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) + a(n + 1) + a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = -1\}$$

Sequence: A001057
Score: 9.25479
Type of gen. func.: ogf

$$-f(x)\,x^3 - f(x)\,x^2 + f(x)\,x + f(x) - x$$

Sequence: A001060
Score: 11.4225
Type of gen. func.: lgdogf

$$-\frac{3x^2 + 4x + 5}{3x^3 + 5x^2 - x - 2}$$

Sequence: A001060
Score: 16.2453
Type of gen. func.: ogf

$$-\frac{2 + 3x}{x^2 + x - 1}$$

Sequence: A001060
Score: 19.3704
Type of gen. func.: revogf

$$\frac{-2 - x + (5x^2 + 16x + 4)^{1/2}}{}$$

$$2 (3 + x)$$

Sequence: A001060
Score: 22.3970
Type of gen. func.: lgdogf

$$-\frac{3 x^{2} + 4 x + 5}{(2 + 3 x) (x^{2} + x - 1)}$$

Sequence: A001060
Score: 8.91510
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 2, a(1) = 5\}$$

Sequence: A001060
Score: 9.54331
Type of gen. func.: ogf

$$(9 f(x) + 7) (f(x) x^{2} + f(x) x - f(x) + 3 x + 2)$$

Sequence: A001068
Score: 11.8036
Type of gen. func.: lgdogf

$$-\frac{4 x^{6} + 5 x^{5} + 7 x^{4} + 9 x^{3} + 9 x^{2} + 4 x + 2}{(-1 + x) (1 + x) (x^{2} + 1) (2 x^{3} + x^{2} + x + 1)}$$

Sequence: A001068
Score: 12.3028
Type of gen. func.: ogf

$$\frac{x (2 x^{3} + x^{2} + x + 1)}{(1 + x) (x^{2} + 1) (-1 + x)^{2}}$$

Sequence: A001069
Score: 15.7200
Type of gen. func.: ogf

$$-\frac{x (x^{14} + x^{2} + 1)}{-1 + x}$$

Sequence: A001069
Score: 16.0959
Type of gen. func.: lgdogf

$$\frac{13 x^{14} - 14 x^{13} + x^{2} - 2 x - 1}{(-1 + x) (x^{14} + x^{2} + 1)}$$

Sequence: A001075
Score: 12.1019
Type of gen. func.: lgdogf

$$-\frac{-2 x^{2} + 2 x - 2}{-2 x^{3} + 9 x^{2} - 6 x + 1}$$

Sequence: A001075
Score: 17.2116
Type of gen. func.: ogf

$$-\frac{2 x - 1}{x^{2} - 4 x + 1}$$

Sequence: A001075
Score: 23.0709
Type of gen. func.: lgdogf

$$-\frac{2 (x^{2} - x + 1)}{(2 x - 1) (x^{2} - 4 x + 1)}$$

Sequence: A001075
Score: 8.70249
Type of gen. func.: ogf

$$-(3 f(x) - 1) (f(x) x^2 - 4 f(x) x + f(x) + 2 x - 1)$$

Sequence: A001075
Score: 9.44539
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A001076
Score: 12.7011
Type of gen. func.: ogf

$$-f(x) x^2 - 4 f(x) x + f(x) - x$$

Sequence: A001076
Score: 15.6117
Type of gen. func.: lgdogf

$$- \frac{-2 x - 4}{-x^2 - 4 x + 1}$$

Sequence: A001076
Score: 20.2531
Type of gen. func.: ogf

$$- \frac{x}{x^2 + 4 x - 1}$$

Sequence: A001076
Score: 21.1311
Type of gen. func.: revogf

$$\frac{-1 - 4 x + (20 x^{2} + 8 x + 1)^{1/2}}{2 x}$$

Sequence: A001076
Score: 36.9794
Type of gen. func.: lgdogf

$$-\frac{2 (x + 2)}{x^{2} + 4 x - 1}$$

Sequence: A001076
Score: 9.25140
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A001077
Score: 13.1691
Type of gen. func.: ogf

$$\frac{2 x - 1}{x^{2} + 4 x - 1}$$

Sequence: A001077
Score: 16.5733
Type of gen. func.: revogf

$$\frac{-1 - 4 x + (20 x^{2} + 1)^{1/2}}{2 (-2 + x)}$$

Sequence: A001077
Score: 17.0608
Type of gen. func.: lgdogf

$$2 (x^{2} - x - 1)$$

```
                    - -------------------------
                                   2
                      (2 x - 1) (x  + 4 x - 1)
```

Sequence: A001077
Score: 6.65852
Type of gen. func.: ogf

```
                                 2
        -(5 f(x) - 3) (f(x) x  + 4 f(x) x - f(x) - 2 x + 1)
```

Sequence: A001077
Score: 7.22693
Type of gen. func.: ogf

```
        {-a(n + 2) + 4 a(n + 1) + a(n), a(0) = 1, a(1) = 2}
```

Sequence: A001077
Score: 9.25950
Type of gen. func.: lgdogf

```
                                  2
                               2 x  - 2 x - 2
                          - ---------------------
                               3      2
                            2 x  + 7 x  - 6 x + 1
```

Sequence: A001078
Score: 10.6348
Type of gen. func.: ogf

```
                             2
                     -f(x) x  + 10 f(x) x - f(x) + 2 x
```

Sequence: A001078
Score: 12.7618
Type of gen. func.: lgdogf

```
                                  2 x - 10
                               - -------------
                                  2
                                 x  - 10 x + 1
```

Sequence: A001078
Score: 16.1309
Type of gen. func.: revogf

$$-\frac{-1 - 5 x + (4 x + 1)^{1/2} (1 + 6 x)^{1/2}}{x}$$

Sequence: A001078
Score: 16.7918
Type of gen. func.: ogf

$$\frac{2 x}{x^{2} - 10 x + 1}$$

Sequence: A001078
Score: 29.9573
Type of gen. func.: lgdogf

$$-\frac{2 (x - 5)}{x^{2} - 10 x + 1}$$

Sequence: A001078
Score: 7.78159
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + a(n), a(0) = 0, a(1) = 2\}$$

Sequence: A001079
Score: 12.4178
Type of gen. func.: ogf

$$-\frac{5 x - 1}{x^{2} - 10 x + 1}$$

Sequence: A001079
Score: 15.1201
Type of gen. func.: revogf

$$-\frac{-10 x - 1 + (96 x^2 + 1)^{1/2}}{2 (x + 5)}$$

Sequence: A001079
Score: 15.9841
Type of gen. func.: lgdogf

$$-\frac{5 x^2 - 2 x + 5}{(5 x - 1) (x^2 - 10 x + 1)}$$

Sequence: A001079
Score: 6.20893
Type of gen. func.: ogf

$$-(48 f(x) - 23) (f(x) x^2 - 10 f(x) x + f(x) + 5 x - 1)$$

Sequence: A001079
Score: 6.88218
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A001079
Score: 8.65486
Type of gen. func.: lgdogf

$$-\frac{-5 x^2 + 2 x - 5}{-5 x^3 + 51 x^2 - 15 x + 1}$$

Sequence: A001080
Score: 10.9435
Type of gen. func.: ogf

$$-f(x) x^2 + 16 f(x) x - f(x) + 3 x$$

Sequence: A001080
Score: 12.2222
Type of gen. func.: revogf

$$-\frac{-16 x - 3 + (14 x + 3)^{1/2} (1 + 6 x)^{1/2} 3^{1/2}}{2 x}$$

Sequence: A001080
Score: 13.1322
Type of gen. func.: lgdogf

$$-\frac{2 x - 16}{x^2 - 16 x + 1}$$

Sequence: A001080
Score: 17.2792
Type of gen. func.: ogf

$$\frac{3 x}{x^2 - 16 x + 1}$$

Sequence: A001080
Score: 29.4444
Type of gen. func.: lgdogf

$$-\frac{2 (-8 + x)}{x^2 - 16 x + 1}$$

Sequence: A001080
Score: 8.00744
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1) + a(n), a(0) = 0, a(1) = 3\}$$

Sequence: A001081
Score: 11.5176
Type of gen. func.: ogf

$$-\frac{8 x - 1}{x^2 - 16 x + 1}$$

Sequence: A001081
Score: 14.4022
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^2 - x + 4)}{(8 x - 1) (x^2 - 16 x + 1)}$$

Sequence: A001081
Score: 5.75881
Type of gen. func.: ogf

$$-(63 f(x) - 31) (f(x) x^2 - 16 f(x) x + f(x) + 8 x - 1)$$

Sequence: A001081
Score: 6.38325
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1) + a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A001081
Score: 7.90761
Type of gen. func.: lgdogf

$$-\frac{-8 x^2 + 2 x - 8}{-8 x^3 + 129 x^2 - 24 x + 1}$$

Sequence: A001082
Score: 10.2440
Type of gen. func.: ogf

$$-\frac{x\,(x^{2}+4\,x+1)}{(1+x)^{2}\,(-1+x)^{3}}$$

Sequence: A001082
Score: 11.2130
Type of gen. func.: lgdogf

$$-\frac{-3\,x^{3}-17\,x^{2}-11\,x-5}{-x^{4}-4\,x^{3}+4\,x+1}$$

Sequence: A001082
Score: 18.1757
Type of gen. func.: lgdogf

$$-\frac{(x+5)\,(3\,x^{2}+2\,x+1)}{(-1+x)\,(1+x)\,(x^{2}+4\,x+1)}$$

Sequence: A001084
Score: 11.6796
Type of gen. func.: ogf

$$-f(x)\,x^{2}+20\,f(x)\,x-f(x)+3\,x$$

Sequence: A001084
Score: 13.0555
Type of gen. func.: revogf

$$-\frac{-20\,x-3+(1+6\,x)^{1/2}\,(22\,x+3)^{1/2}\,3^{1/2}}{2\,x}$$

Sequence: A001084
Score: 14.0155
Type of gen. func.: lgdogf

$$-\frac{2x-20}{x^2-20x+1}$$

Sequence: A001084
Score: 18.4415
Type of gen. func.: ogf

$$\frac{3x}{x^2-20x+1}$$

Sequence: A001084
Score: 31.4520
Type of gen. func.: lgdogf

$$-\frac{2(x-10)}{x^2-20x+1}$$

Sequence: A001084
Score: 8.54606
Type of gen. func.: ogf

$$\{a(n+2)-20a(n+1)+a(n), a(0)=0, a(1)=3\}$$

Sequence: A001085
Score: 13.7754
Type of gen. func.: ogf

$$-\frac{10x-1}{x^2-20x+1}$$

Sequence: A001085
Score: 17.6634
Type of gen. func.: lgdogf

$$2(5x^2-x+5)$$

$$-\frac{}{(10 x - 1) (x^{2} - 20 x + 1)}$$

Sequence: A001085
Score: 6.96176
Type of gen. func.: ogf

$$-(99 f(x) - 49) (f(x) x^{2} - 20 f(x) x + f(x) + 10 x - 1)$$

Sequence: A001085
Score: 7.70765
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1) + a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A001085
Score: 9.24919
Type of gen. func.: lgdogf

$$-\frac{-10 x^{2} + 2 x - 10}{-10 x^{3} + 201 x^{2} - 30 x + 1}$$

Sequence: A001090
Score: 12.9671
Type of gen. func.: ogf

$$-f(x) x^{2} + 8 f(x) x - f(x) + x$$

Sequence: A001090
Score: 13.0026
Type of gen. func.: lgdogf

$$-\frac{2 x - 8}{x^{2} - 8 x + 1}$$

Sequence: A001090
Score: 13.9771
Type of gen. func.: revogf

$$-\frac{-1 - 8 x + (10 x + 1)^{1/2} (1 + 6 x)^{1/2}}{2 x}$$

Sequence: A001090
Score: 18.9129
Type of gen. func.: ogf

$$\frac{x}{x^2 - 8 x + 1}$$

Sequence: A001090
Score: 30.7497
Type of gen. func.: lgdogf

$$-\frac{2 (x - 4)}{x^2 - 8 x + 1}$$

Sequence: A001090
Score: 7.70527
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A001091
Score: 13.1812
Type of gen. func.: ogf

$$-\frac{-1 + 4 x}{x^2 - 8 x + 1}$$

Sequence: A001091
Score: 16.6049
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^2 - x + 2)}{(-1 + 4\,x)\,(x^2 - 8\,x + 1)}$$

Sequence: A001091
Score: 6.59061
Type of gen. func.: ogf

$$-(15\,f(x) - 7)\,(f(x)\,x^2 - 8\,f(x)\,x + f(x) + 4\,x - 1)$$

Sequence: A001091
Score: 7.23360
Type of gen. func.: ogf

$$\{a(n + 2) - 8\,a(n + 1) + a(n),\ a(0) = 1,\ a(1) = 4\}$$

Sequence: A001091
Score: 8.98720
Type of gen. func.: lgdogf

$$-\frac{-4\,x^2 + 2\,x - 4}{-4\,x^3 + 33\,x^2 - 12\,x + 1}$$

Sequence: A001093
Score: 10.3776
Type of gen. func.: ogf

$$\frac{x\,(7\,x^2 - 2\,x + 1)}{(-1 + x)^4}$$

Sequence: A001093
Score: 11.6549
Type of gen. func.: lgdogf

2

$$-\frac{-14 x - 8 x - 2}{-7 x^3 + 9 x^2 - 3 x + 1}$$

Sequence: A001093
Score: 20.1737
Type of gen. func.: lgdogf

$$-\frac{2 (7 x^2 + 4 x + 1)}{(-1 + x) (7 x^2 - 2 x + 1)}$$

Sequence: A001093
Score: 3.86514
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-8 - 3 n) a(n + 3) + (1 + 9 n) a(n + 2)$$

$$+ (-14 - 7 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 9\}$$

Sequence: A001093
Score: 5.45013
Type of gen. func.: ogf

$$-(72 f(x) + 61)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 7 x^3 - 4 f(x) x + 2 x^2 + f(x) - x)$$

Sequence: A001094
Score: 13.4009
Type of gen. func.: lgdogf

$$-\frac{2 (23 x^3 + 39 x^2 - 3 x + 1)}{(-1 + x) (23 x^3 + 3 x^2 - 3 x + 1)}$$

Sequence: A001094
Score: 3.64698
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) + (-2 n^2 - 6 n) a(n + 2) + (n^2 + n - 2) a(n + 3),$$

$$a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 3, a(4) = 28\}$$

Sequence: A001094
Score: 7.69038
Type of gen. func.: ogf

$$- \frac{x (23 x^3 + 3 x^2 - 3 x + 1)}{(-1 + x)^5}$$

Sequence: A001094
Score: 8.42280
Type of gen. func.: lgdogf

$$- \frac{46 x^3 + 78 x^2 - 6 x + 2}{23 x^4 - 20 x^3 - 6 x^2 + 4 x - 1}$$

Sequence: A001095
Score: 10.4489
Type of gen. func.: lgdogf

$$- \frac{2 (121 x^4 + 236 x^3 + 6 x^2 - 4 x + 1)}{(-1 + x) (121 x^4 - 4 x^3 + 6 x^2 - 4 x + 1)}$$

Sequence: A001095
Score: 6.45888
Type of gen. func.: ogf

$$\frac{x (121 x^4 - 4 x^3 + 6 x^2 - 4 x + 1)}{(-1 + x)^6}$$

Sequence: A001096
Score: 5.51047

Type of gen. func.: ogf

$$-\frac{x\,(719\,x^{5}+5\,x^{4}-10\,x^{3}+10\,x^{2}-5\,x+1)}{(-1+x)^{7}}$$

Sequence: A001096
Score: 8.34104
Type of gen. func.: lgdogf

$$-\frac{2\,(719\,x^{5}+1805\,x^{4}-10\,x^{3}+10\,x^{2}-5\,x+1)}{(-1+x)\,(719\,x^{5}+5\,x^{4}-10\,x^{3}+10\,x^{2}-5\,x+1)}$$

Sequence: A001105
Score: 14.1265
Type of gen. func.: ogf

$$-\frac{2\,(1+x)\,x}{(-1+x)^{3}}$$

Sequence: A001105
Score: 18.3002
Type of gen. func.: lgdogf

$$-\frac{2\,x+4}{x^{2}-1}$$

Sequence: A001105
Score: 37.7903
Type of gen. func.: lgdogf

$$-\frac{2\,(x+2)}{(-1+x)\,(1+x)}$$

Sequence: A001105
Score: 38.1348

Type of gen. func.: ogf_with_Euler_transform]

$$[4 - x]$$

Sequence: A001105
Score: 7.25414
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 2, a(2) = 8\}$$

Sequence: A001105
Score: 7.52533
Type of gen. func.: ogf

$$(2 f(x) + 1) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x) + 2 x)$$

Sequence: A001106
Score: 12.9459
Type of gen. func.: ogf

$$- \frac{x (1 + 6 x)}{(-1 + x)^3}$$

Sequence: A001106
Score: 15.0595
Type of gen. func.: lgdogf

$$- \frac{-12 x - 9}{-6 x^2 + 5 x + 1}$$

Sequence: A001106
Score: 29.0626
Type of gen. func.: lgdogf

$$- \frac{3 (4 x + 3)}{(1 + 6 x) (-1 + x)}$$

Sequence: A001106
Score: 6.30698
Type of gen. func.: ogf

$$-(4361 f(x) - 9804) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 6 x^2 - f(x) + x)$$

Sequence: A001106
Score: 6.64790
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 9\}$$

Sequence: A001107
Score: 14.3199
Type of gen. func.: ogf

$$-\frac{x (1 + 7 x)}{(-1 + x)^3}$$

Sequence: A001107
Score: 16.3246
Type of gen. func.: lgdogf

$$-\frac{-14 x - 10}{-7 x^2 + 6 x + 1}$$

Sequence: A001107
Score: 32.1873
Type of gen. func.: lgdogf

$$-\frac{2 (7 x + 5)}{(1 + 7 x) (-1 + x)}$$

Sequence: A001107
Score: 6.85909
Type of gen. func.: ogf

$$-(14528 f(x) - 37449) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 7 x^2 - f(x) + x)$$

Sequence: A001107
Score: 7.28779
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 10\}$$

Sequence: A001108
Score: 10.2742
Type of gen. func.: lgdogf

$$- \frac{-2 x^3 + 4 x^2 + 14 x - 8}{-x^4 + 6 x^3 - 6 x + 1}$$

Sequence: A001108
Score: 13.1582
Type of gen. func.: ogf

$$- \frac{(1 + x) x}{(-1 + x) (x^2 - 6 x + 1)}$$

Sequence: A001108
Score: 16.4552
Type of gen. func.: lgdogf

$$- \frac{2 (x^3 - 2 x^2 - 7 x + 4)}{(-1 + x) (1 + x) (x^2 - 6 x + 1)}$$

Sequence: A001108
Score: 6.75694
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 7 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 8\}$$

Sequence: A001108
Score: 7.00954
Type of gen. func.: ogf

$$(8 f(x) + 1) (f(x) x^3 - 7 f(x) x^2 + 7 f(x) x + x^2 - f(x) + x)$$

Sequence: A001109
Score: 12.5506
Type of gen. func.: ogf

$$-f(x) x^2 + 6 f(x) x - f(x) + x$$

Sequence: A001109
Score: 15.4268
Type of gen. func.: lgdogf

$$- \frac{2 x - 6}{x^2 - 6 x + 1}$$

Sequence: A001109
Score: 16.9989
Type of gen. func.: revogf

$$- \frac{-6 x - 1 + (8 x + 1)^{1/2} (4 x + 1)^{1/2}}{2 x}$$

Sequence: A001109
Score: 22.4390
Type of gen. func.: ogf

$$\frac{x}{x^2 - 6 x + 1}$$

Sequence: A001109
Score: 34.8072
Type of gen. func.: lgdogf

$$-\frac{2\,(-3+x)}{x^{2}-6\,x+1}$$

Sequence: A001109
Score: 9.14180
Type of gen. func.: ogf

$$\{a(n+2)-6\,a(n+1)+a(n),\ a(0)=0,\ a(1)=1\}$$

Sequence: A001110
Score: 10.4679
Type of gen. func.: lgdogf

$$-\frac{2\,(x^{3}-16\,x^{2}-35\,x+18)}{(-1+x)\,(1+x)\,(x^{2}-34\,x+1)}$$

Sequence: A001110
Score: 4.57234
Type of gen. func.: ogf

$$\{a(n+3)-35\,a(n+2)+35\,a(n+1)-a(n),\ a(0)=0,\ a(1)=1,\ a(2)=36\}$$

Sequence: A001110
Score: 4.73861
Type of gen. func.: ogf

$$(36\,f(x)+1)\,(f(x)\,x^{3}-35\,f(x)\,x^{2}+35\,f(x)\,x+x^{2}-f(x)+x)$$

Sequence: A001110
Score: 6.76944
Type of gen. func.: lgdogf

$$-\frac{-2\,x^{3}+32\,x^{2}+70\,x-36}{-x^{4}+34\,x^{3}-34\,x+1}$$

Sequence: A001110
Score: 8.83469
Type of gen. func.: ogf

$$-\frac{(1 + x)\, x}{(-1 + x)\,(x^2 - 34\, x + 1)}$$

Sequence: A001117
Score: 11.7420
Type of gen. func.: ogf

$$-\frac{11\, x^2 - 6\, x + 1}{(-1 + x)\,(3\, x - 1)\,(2\, x - 1)}$$

Sequence: A001117
Score: 12.0178
Type of gen. func.: lgdogf

$$-\frac{6\, x^2\,(11\, x^2 - 12\, x + 3)}{(-1 + x)\,(3\, x - 1)\,(2\, x - 1)\,(11\, x^2 - 6\, x + 1)}$$

Sequence: A001117
Score: 6.66440
Type of gen. func.: ogf

$$\{a(n + 3) - 6\, a(n + 2) + 11\, a(n + 1) - 6\, a(n),\ a(0) = 1,\ a(1) = 0,\ a(2) = 0\}$$

Sequence: A001117
Score: 7.54845
Type of gen. func.: lgdogf

$$-\frac{66\, x^4 - 72\, x^3 + 18\, x^2}{66\, x^5 - 157\, x^4 + 138\, x^3 - 58\, x^2 + 12\, x - 1}$$

Sequence: A001117
Score: 8.12911
Type of gen. func.: ogf

$$-6 f(x) x^3 + 11 f(x) x^2 - 6 f(x) x - 11 x^2 + f(x) + 6 x - 1$$

Sequence: A001118
Score: 5.48029
Type of gen. func.: lgdogf

$$- 120 x^4 (274 x^4 - 450 x^3 + 255 x^2 - 60 x + 5) \Big/ ((-1 + x) (-1 + 4 x) (3 x - 1) (2 x - 1) (5 x - 1) (274 x^4 - 225 x^3 + 85 x^2 - 15 x + 1))$$

Sequence: A001118
Score: 5.89003
Type of gen. func.: ogf

$$- \frac{274 x^4 - 225 x^3 + 85 x^2 - 15 x + 1}{(-1 + x) (-1 + 4 x) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A001120
Score: 3.20046
Type of gen. func.: ogf

$$\{(2 n^2 + 10 n + 12) a(n + 1) + (3 n^2 + 18 n + 28) a(n + 2) + (n^2 + 6 n + 12) a(n + 3) + (-n - 4) a(n + 4), a(0) = 1, a(1) = 3, a(2) = 8, a(3) = 33\}$$

Sequence: A001147
Score: 16.3051
Type of gen. func.: egf]

$$-2 f(x)^2 x + f(x)^2 - 1$$

Sequence: A001147
Score: 26.9616
Type of gen. func.: lgdegf]

$$\frac{1}{1 - 2 x}$$

Sequence: A001147
Score: 48.8534
Type of gen. func.: revegf]

$$-\frac{x (-2 + x)}{2}$$

Sequence: A001147
Score: 57.7359
Type of gen. func.: lgdegf]

$$-\frac{1}{2 x - 1}$$

Sequence: A001147
Score: 7.35316
Type of gen. func.: ogf

$$\{(-2 n - 3) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A001148
Score: 11.8866
Type of gen. func.: ogf

$$-\frac{7 x^2 + 2 x + 1}{(x^2 + 1) (-1 + x)}$$

Sequence: A001148
Score: 12.6340
Type of gen. func.: lgdogf

$$-\frac{7 x^4 + 4 x^3 - 6 x^2 + 12 x + 3}{(-1 + x) (x^2 + 1) (7 x^2 + 2 x + 1)}$$

Sequence: A001148
Score: 6.25073
Type of gen. func.: ogf

$$-(f(x) - 19) (f(x) x^3 - f(x) x^2 + f(x) x + 7 x^2 - f(x) + 2 x + 1)$$

Sequence: A001148
Score: 6.47396
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A001169
Score: 10.2668
Type of gen. func.: lgdogf

$$-\frac{5 x^2 - 4 x + 2}{-4 x^4 + 11 x^3 - 12 x^2 + 6 x - 1}$$

Sequence: A001169
Score: 11.0108
Type of gen. func.: ogf

$$\frac{(-1 + x)^3}{4 x^3 - 7 x^2 + 5 x - 1}$$

Sequence: A001169
Score: 18.6603
Type of gen. func.: lgdogf

$$5 x^2 - 4 x + 2$$

```
                        -------------------------------
                                     3      2
                        (-1 + x) (4 x  - 7 x  + 5 x - 1)



------------------------------------------------------------------------------

Sequence:  A001169
Score: 5.71235
Type of gen. func.: ogf


{a(n + 4) - 5 a(n + 3) + 7 a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 6,

    a(3) = 19}



------------------------------------------------------------------------------

Sequence:  A001169
Score: 6.38439
Type of gen. func.: ogf


                       3            2    3                 2
   (f(x) - 1) (4 f(x) x  - 7 f(x) x  - x  + 5 f(x) x + 3 x  - f(x) - 3 x + 1)



------------------------------------------------------------------------------

Sequence:  A001181
Score: 4.78597
Type of gen. func.: ogf


      2                    2                           2
{(-8 n  - 8 n) a(n) + (-7 n  - 35 n - 40) a(n + 1) + (n  + 9 n + 20) a(n + 2),

    a(0) = 0, a(1) = 1}



------------------------------------------------------------------------------

Sequence:  A001189
Score: 3.51349
Type of gen. func.: ogf


   2                            2
{(n  + 7 n + 12) a(n + 1) + (-n  - 6 n - 8) a(n + 2) + (-2 n - 7) a(n + 3)

     + (n + 3) a(n + 4), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 9}



------------------------------------------------------------------------------

Sequence:  A001193
Score: 14.5418
Type of gen. func.: lgdegf]


                                     -x + 2
                               - ---------------
                                     2
                                 -2 x  + 3 x - 1
```

Sequence: A001193
Score: 31.1828
Type of gen. func.: lgdegf]

$$-\frac{-2 + x}{(2 x - 1) (-1 + x)}$$

Sequence: A001193
Score: 34.3011
Type of gen. func.: revegf]

$$(-x + (x^{2} + 1)^{1/2}) x$$

Sequence: A001193
Score: 6.23219
Type of gen. func.: ogf

$$\{(-2 n^{2} - 9 n - 9) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A001193
Score: 7.42559
Type of gen. func.: egf]

$$8 f(x)^{2} x^{3} - 12 f(x)^{2} x^{2} + 6 f(x)^{2} x - f(x)^{2} + x^{2} - 2 x + 1$$

Sequence: A001194
Score: 5.14689
Type of gen. func.: ogf

$$\{(-2 n^{2} - 11 n - 12) a(n + 1) + (n + 2) a(n + 2), a(0) = 3, a(1) = 9\}$$

Sequence: A001194
Score: 9.02685
Type of gen. func.: lgdegf]

^{2}

$$-\frac{-3 x + 6 x - 6}{-6 x^3 + 11 x^2 - 8 x + 2}$$

Sequence: A001204
Score: 7.94100
Type of gen. func.: ogf

$$\frac{x^{10} - x^8 - x^7 + x^6 + 4 x^5 + 3 x^4 + x^3 + x^2 + 2 x + 7}{(-1 + x)^2 (x^4 + x^3 + x^2 + x + 1)^2}$$

Sequence: A001205
Score: 18.3531
Type of gen. func.: lgdegf]

$$-\frac{x^2}{2 x - 2}$$

Sequence: A001205
Score: 3.86380
Type of gen. func.: ogf

$$\{(-n^2 - 5 n - 6) a(n + 1) + (-2 n - 6) a(n + 3) + 2 a(n + 4), a(0) = 1,$$
$$a(1) = 0, a(2) = 0, a(3) = 1\}$$

Sequence: A001205
Score: 34.1833
Type of gen. func.: lgdegf]

$$x^2 + (2 x - 2) f(x)$$

Sequence: A001224
Score: 6.92202
Type of gen. func.: lgdogf

$$x^{10} + 2 x^9 + 4 x^8 + 8 x^7 + 6 x^6 - 2 x^5 - 3 x^4 - 4 x^3 - 2 x^2 + 2$$

```
      - -----------------------------------------------------------------
             2              4    2          5    4    3      2
          (x  + x - 1) (x  + x  - 1) (x  + x  + x  + 2 x  - x - 1)
```

Sequence: A001224
Score: 7.20315
Type of gen. func.: ogf

$$-\frac{x^5 + x^4 + x^3 + 2x^2 - x - 1}{(x^2 + x - 1)(x^4 + x^2 - 1)}$$

Sequence: A001240
Score: 11.5723
Type of gen. func.: lgdogf

$$-\frac{108x^2 - 72x + 11}{(6x - 1)(3x - 1)(2x - 1)}$$

Sequence: A001240
Score: 12.7347
Type of gen. func.: ogf

$$-\frac{1}{(6x - 1)(3x - 1)(2x - 1)}$$

Sequence: A001240
Score: 4.35374
Type of gen. func.: ogf

$$\{a(n + 3) - 11a(n + 2) + 36a(n + 1) - 36a(n),\ a(0) = 1,\ a(1) = 11,\ a(2) = 85$$

$$\}$$

Sequence: A001240
Score: 4.85131
Type of gen. func.: ogf

$$(161f(x) - 86)(36f(x)x^3 - 36f(x)x^2 + 11f(x)x - f(x) + 1)$$

Sequence: A001240
Score: 7.17448
Type of gen. func.: lgdogf

$$-\frac{108 x^2 - 72 x + 11}{36 x^3 - 36 x^2 + 11 x - 1}$$

Sequence: A001241
Score: 4.27529
Type of gen. func.: ogf

$$(583 f(x) + 192)$$

$$(13824 f(x) x^4 - 5760 f(x) x^3 + 840 f(x) x^2 - 50 f(x) x + f(x) - 1)$$

Sequence: A001241
Score: 8.31777
Type of gen. func.: lgdogf

$$-\frac{2 (48 x - 5) (576 x^2 - 120 x + 5)}{(6 x - 1) (8 x - 1) (12 x - 1) (-1 + 24 x)}$$

Sequence: A001241
Score: 9.49259
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (8 x - 1) (12 x - 1) (-1 + 24 x)}$$

Sequence: A001242
Score: 7.32339
Type of gen. func.: ogf

$$-\frac{1}{(-1 + 24 x) (30 x - 1) (40 x - 1) (60 x - 1) (120 x - 1)}$$

Sequence: A001246
Score: 6.78081
Type of gen. func.: ogf

$$\{(16 n^2 + 48 n + 36) a(n + 1) + (-n^2 - 6 n - 9) a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A001249
Score: 10.3510
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 48 x^2 + 72 x + 16}{x^4 + 8 x^3 - 8 x - 1}$$

Sequence: A001249
Score: 16.2226
Type of gen. func.: lgdogf

$$-\frac{4 (x^3 + 12 x^2 + 18 x + 4)}{(-1 + x) (1 + x) (x^2 + 8 x + 1)}$$

Sequence: A001249
Score: 6.31159
Type of gen. func.: ogf

$$\{(n^2 + 10 n + 25) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 16\}$$

Sequence: A001249
Score: 7.39358
Type of gen. func.: ogf

$$-\frac{(1 + x) (x^2 + 8 x + 1)}{(-1 + x)^7}$$

Sequence: A001254
Score: 15.7056
Type of gen. func.: ogf

$$-\frac{x^2 + 7 x - 4}{(1 + x) (x^2 - 3 x + 1)}$$

Sequence: A001254
Score: 16.5624
Type of gen. func.: lgdogf

$$-\frac{x^4 + 14 x^3 - 24 x^2 + 14 x + 1}{(1 + x) (x^2 - 3 x + 1) (x^2 + 7 x - 4)}$$

Sequence: A001254
Score: 8.05078
Type of gen. func.: ogf

$$-(115 f(x) - 187) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + x^2 + f(x) + 7 x - 4)$$

Sequence: A001254
Score: 8.55396
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 4, a(1) = 1, a(2) = 9\}$$

Sequence: A001254
Score: 9.48558
Type of gen. func.: lgdogf

$$-\frac{x^4 + 14 x^3 - 24 x^2 + 14 x + 1}{x^5 + 5 x^4 - 20 x^3 - 5 x^2 + 15 x - 4}$$

Sequence: A001260
Score: 14.9143
Type of gen. func.: lgdegf]

$$-\frac{-x-1}{-x+1}$$

Sequence: A001260
Score: 3.20737
Type of gen. func.: ogf

$$\{(n^2+5n+6)\,a(n+1)+(n^2+2n-3)\,a(n+2)+(1-n)\,a(n+3),\ a(0)=0,$$
$$a(1)=0,\ a(2)=0,\ a(3)=0,\ a(4)=1\}$$

Sequence: A001261
Score: 15.6774
Type of gen. func.: lgdegf]

$$-\frac{-x-1}{-x+1}$$

Sequence: A001261
Score: 3.18324
Type of gen. func.: ogf

$$\{(n^2+5n+6)\,a(n+1)+(n^2+n-6)\,a(n+2)+(-n+2)\,a(n+3),\ a(0)=0,$$
$$a(1)=0,\ a(2)=0,\ a(3)=0,\ a(4)=0,\ a(5)=1\}$$

Sequence: A001264
Score: 6.96071
Type of gen. func.: ogf

$$-\frac{75x^6-31x^5-8x^4+48x^3+12x^2+3x+1}{(-1+x)(1+x)(x^4-x^3+x^2-x+1)}$$

Sequence: A001281
Score: 10.1148
Type of gen. func.: lgdogf

```
                                 3      2
                              8 x  + 3 x  + 16 x + 1
                           - ------------------------
                                4    3      2
                             4 x  + x  - 2 x  - x - 2



------------------------------------------------------------------------------

Sequence:  A001281
Score: 13.4311
Type of gen. func.: ogf


                                      2
                                x (4 x  + x + 2)
                               ------------------
                                       2        2
                               (-1 + x)  (1 + x)



------------------------------------------------------------------------------

Sequence:  A001281
Score: 17.5396
Type of gen. func.: lgdogf


                                3      2
                             8 x  + 3 x  + 16 x + 1
                       - -------------------------------
                                             2
                         (-1 + x) (1 + x) (4 x  + x + 2)



------------------------------------------------------------------------------

Sequence:  A001281
Score: 7.58611
Type of gen. func.: ogf


                                    4            2      3    2
      -(1120 f(x) - 14347) (f(x) x  - 2 f(x) x  - 4 x  - x  + f(x) - 2 x)



------------------------------------------------------------------------------

Sequence:  A001286
Score: 12.3298
Type of gen. func.: lgdegf]


                                     6 + 6 x
                                 - ------------
                                        2
                                   2 x  - x - 1



------------------------------------------------------------------------------

Sequence:  A001286
Score: 25.2198
Type of gen. func.: lgdegf]
```

$$-\frac{6\ (1 + x)}{(1 + 2\ x)\ (-1 + x)}$$

Sequence: A001286
Score: 4.58785
Type of gen. func.: egf]

$(13149\ f(x) + 26449)$

$$(f(x)\ x^4 - 4\ f(x)\ x^3 + 6\ f(x)\ x^2 - 4\ f(x)\ x + f(x) - 2\ x - 1)$$

Sequence: A001286
Score: 5.23745
Type of gen. func.: ogf

$$\{(-n^2 - 7\ n - 12)\ a(n + 1) + (n + 2)\ a(n + 2),\ a(0) = 1,\ a(1) = 6\}$$

Sequence: A001286
Score: 9.70216
Type of gen. func.: egf]

$$\frac{1 + 2\ x}{(-1 + x)^4}$$

Sequence: A001287
Score: 26.1541
Type of gen. func.: lgdogf

$$\frac{11}{-x + 1}$$

Sequence: A001287
Score: 53.2045
Type of gen. func.: lgdogf

$$-11 + (-x + 1)\ f(x)$$

Sequence: A001287
Score: 6.16641
Type of gen. func.: ogf

$$-\frac{1}{(-1+x)^{11}}$$

Sequence: A001287
Score: 7.15536
Type of gen. func.: ogf

$$\{(-2-n)\,a(n+2)+(12+n)\,a(n+1),\ a(0)=1,\ a(1)=11\}$$

Sequence: A001288
Score: 25.8934
Type of gen. func.: lgdogf

$$\frac{12}{-x+1}$$

Sequence: A001288
Score: 5.60379
Type of gen. func.: ogf

$$\frac{1}{(-1+x)^{12}}$$

Sequence: A001288
Score: 52.6742
Type of gen. func.: lgdogf

$$-12+(-x+1)\,f(x)$$

Sequence: A001288
Score: 7.08404
Type of gen. func.: ogf

$$\{(-2-n)\,a(n+2)+(13+n)\,a(n+1),\ a(0)=1,\ a(1)=12\}$$

Sequence: A001296
Score: 10.7223
Type of gen. func.: ogf

$$-\frac{x (1 + 2 x)}{(-1 + x)^5}$$

Sequence: A001296
Score: 16.7537
Type of gen. func.: lgdogf

$$-\frac{7 + 8 x}{2 x^2 - x - 1}$$

Sequence: A001296
Score: 34.4830
Type of gen. func.: lgdogf

$$-\frac{7 + 8 x}{(1 + 2 x) (-1 + x)}$$

Sequence: A001296
Score: 5.39715
Type of gen. func.: ogf

{(n + 2) a(n + 3) + (-6 + n) a(n + 2) + (-8 - 2 n) a(n + 1), a(0) = 0, a(1) = 1,

a(2) = 7}

Sequence: A001297
Score: 10.5070
Type of gen. func.: lgdogf

$$-\frac{30 x^2 + 60 x + 15}{6 x^3 + 2 x^2 - 7 x - 1}$$

Sequence: A001297
Score: 18.2544
Type of gen. func.: lgdogf

$$-\frac{15 (2 x^2 + 4 x + 1)}{(-1 + x) (6 x^2 + 8 x + 1)}$$

Sequence: A001297
Score: 3.53753
Type of gen. func.: ogf

$\{(n + 3) a(n + 4) + (-1 + 7 n) a(n + 3) + (-62 - 2 n) a(n + 2)$

$+ (-30 - 6 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 15, a(3) = 90\}$

Sequence: A001297
Score: 6.96998
Type of gen. func.: ogf

$$-\frac{x (6 x^2 + 8 x + 1)}{(-1 + x)^7}$$

Sequence: A001298
Score: 13.1147
Type of gen. func.: lgdogf

$$-\frac{144 x^3 + 478 x^2 + 292 x + 31}{(-1 + x) (24 x^3 + 58 x^2 + 22 x + 1)}$$

Sequence: A001298
Score: 4.11762
Type of gen. func.: ogf

$\{(-11 n^2 - 107 n - 246) a(n + 1) + (7 n^2 - 28 n - 128) a(n + 2)$

$+ (4 n^2 + 15 n + 14) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 31\}$

Sequence: A001298
Score: 5.73971
Type of gen. func.: ogf

$$- \frac{x (24 x^3 + 58 x^2 + 22 x + 1)}{(-1 + x)^9}$$

Sequence: A001298
Score: 8.32574
Type of gen. func.: lgdogf

$$- \frac{144 x^3 + 478 x^2 + 292 x + 31}{24 x^4 + 34 x^3 - 36 x^2 - 21 x - 1}$$

Sequence: A001299
Score: 23.5591
Type of gen. func.: ogf_with_Euler_transform]

$$x^{24} + x^9 + x^4 + 1$$

Sequence: A001299
Score: 4.90731
Type of gen. func.: ogf

$$- \frac{x^{35} + x^{30} + 2 x^{25} + 2 x^{20} + 3 x^{15} + 4 x^{10} + 5 x^5 + 6}{(-1 + x) (7 x^{35} + x^{30} - 5 x^{25} - 7 x^{10} - x^5 + 6)}$$

Sequence: A001300
Score: 4.19335
Type of gen. func.: ogf

$$\frac{5 x^{30} + 5 x^{20} - x^{15} + 3 x^{10} + 2 x^5 + 1}{(-1 + x) (2 x^{30} + 2 x^{25} - 5 x^{20} + 5 x^{15} - x^5 - 1)}$$

Sequence: A001301
Score: 19.7081
Type of gen. func.: ogf_with_Euler_transform]

$$x^{24} + x^{9} + x^{4} + x + 1$$

Sequence: A001303
Score: 11.7100
Type of gen. func.: lgdogf

$$-\frac{5 x^{2} + 50 x + 50}{x^{3} + 7 x^{2} - 2 x - 6}$$

Sequence: A001303
Score: 21.6856
Type of gen. func.: lgdogf

$$-\frac{5 (x^{2} + 10 x + 10)}{(-1 + x) (x^{2} + 8 x + 6)}$$

Sequence: A001303
Score: 3.78853
Type of gen. func.: ogf

{(6 n + 24) a(n + 4) + (-44 + 2 n) a(n + 3) + (-64 - 7 n) a(n + 2)

+ (-n - 6) a(n + 1), a(0) = 6, a(1) = 50, a(2) = 225, a(3) = 735}

Sequence: A001303
Score: 7.96763
Type of gen. func.: ogf

$$-\frac{x^{2} + 8 x + 6}{(-1 + x)^{7}}$$

Sequence: A001304
Score: 11.3125
Type of gen. func.: ogf

$$\frac{1}{(1 + x) (x^4 + x^3 + x^2 + x + 1) (-1 + x)^4}$$

Sequence: A001304
Score: 12.6563
Type of gen. func.: lgdogf

$$- \frac{9 x^5 + 11 x^4 + 6 x^3 + 6 x^2 + 6 x + 2}{(-1 + x) (1 + x) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A001304
Score: 28.3363
Type of gen. func.: ogf_with_Euler_transform]

$$[x^4 + x + 2]$$

Sequence: A001304
Score: 9.27875
Type of gen. func.: lgdogf

$$- \frac{9 x^5 + 11 x^4 + 6 x^3 + 6 x^2 + 6 x + 2}{x^6 + x^5 - x - 1}$$

Sequence: A001305
Score: 19.4670
Type of gen. func.: ogf_with_Euler_transform]

$$x^{19} + x^9 + x^4 + x + 2$$

Sequence: A001307
Score: 19.1811
Type of gen. func.: ogf_with_Euler_transform]

$$x^{19} + x^{9} + x^{3} + x + 2$$

Sequence: A001310
Score: 5.42772
Type of gen. func.: ogf

$$\frac{x^{8} - x^{6} + x^{4} - x^{2} + 1}{(2 x^{20} - 1) (1 + x)^{2} (-1 + x)^{3}}$$

Sequence: A001311
Score: 7.73508
Type of gen. func.: ogf

$$- \frac{50 x^{6} + 75 x^{5} + 96 x^{4} + 16 x^{3} + 36 x^{2} + 6 x + 1}{(-1 + x) (x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A001318
Score: 11.6259
Type of gen. func.: ogf

$$- \frac{x (x^{2} + x + 1)}{(1 + x)^{2} (-1 + x)^{3}}$$

Sequence: A001318
Score: 13.0791
Type of gen. func.: lgdogf

$$- \frac{3 x^{3} + 5 x^{2} + 8 x + 2}{x^{4} + x^{3} - x - 1}$$

Sequence: A001318
Score: 21.6143
Type of gen. func.: lgdogf

$$-\frac{3x^3+5x^2+8x+2}{(-1+x)(1+x)(x^2+x+1)}$$

Sequence: A001318
Score: 37.5134
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2+2x+2$$

Sequence: A001333
Score: 11.7507
Type of gen. func.: lgdogf

$$-\frac{x^2-2x-1}{x^3+x^2-3x+1}$$

Sequence: A001333
Score: 16.7121
Type of gen. func.: ogf

$$\frac{-1+x}{x^2+2x-1}$$

Sequence: A001333
Score: 23.0721
Type of gen. func.: lgdogf

$$-\frac{x^2-2x-1}{(-1+x)(x^2+2x-1)}$$

Sequence: A001333
Score: 9.17127
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A001333
Score: 9.34943
Type of gen. func.: ogf

$$(10 f(x) - 9) (f(x) x^2 + 2 f(x) x - f(x) - x + 1)$$

Sequence: A001338
Score: 3.71006
Type of gen. func.: egf]

$$\{-a(n) + (2 n + 4) a(n + 1) + (-n^2 - 6 n - 8) a(n + 2)$$

$$+ (n^2 + 5 n + 6) a(n + 3), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 7/6\}$$

Sequence: A001339
Score: 14.6791
Type of gen. func.: lgdegf]

$$- \frac{-3 + x}{-x + 1}$$

Sequence: A001339
Score: 38.3453
Type of gen. func.: lgdegf]

$$-3 + x + (-x + 1) f(x)$$

Sequence: A001339
Score: 4.34936
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 1) + (n + 5) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 3, a(2) = 11$$

}

Sequence: A001340
Score: 18.1149
Type of gen. func.: lgdegf]

$$-\frac{x - 4}{-x + 1}$$

Sequence: A001340
Score: 5.36738
Type of gen. func.: ogf

{(-2 - n) a(n + 1) + (n + 6) a(n + 2) - a(n + 3), a(0) = 2, a(1) = 8, a(2) = 38 }

Sequence: A001340
Score: 59.3681
Type of gen. func.: lgdegf]

$$\frac{x - 4}{-1 + x}$$

Sequence: A001341
Score: 17.5999
Type of gen. func.: lgdegf]

$$-\frac{x - 5}{-x + 1}$$

Sequence: A001341
Score: 5.13866
Type of gen. func.: ogf

{(-2 - n) a(n + 1) + (n + 7) a(n + 2) - a(n + 3), a(0) = 6, a(1) = 30, a(2) = 174}

Sequence: A001341
Score: 53.2318
Type of gen. func.: lgdegf]

$$\frac{x - 5}{-1 + x}$$

Sequence: A001342
Score: 17.0042
Type of gen. func.: lgdegf]

$$-\frac{-6 + x}{-x + 1}$$

Sequence: A001342
Score: 4.89328
Type of gen. func.: ogf

{(-2 - n) a(n + 1) + (n + 8) a(n + 2) - a(n + 3), a(0) = 24, a(1) = 144,

a(2) = 984}

Sequence: A001342
Score: 51.4145
Type of gen. func.: lgdegf]

$$\frac{-6 + x}{-1 + x}$$

Sequence: A001343
Score: 4.56493
Type of gen. func.: ogf

$$-\frac{x^{40} - x^{30} + x^{20} - x^{10} + 1}{(1 + x)^2 (x^4 - x^3 + x^2 - x + 1)^2 (-1 + x)^3 (x^4 + x^3 + x^2 + x + 1)^3}$$

Sequence: A001344
Score: 4.22322
Type of gen. func.: ogf

$$\{(-13 n^3 - 23 n^2) a(n) + (-19 n^3 - 97 n^2 - 154 n - 66) a(n + 1)$$

$$+ (19 n^2 + 53 n + 30) a(n + 2), a(0) = 2, a(1) = 5\}$$

Sequence: A001350
Score: 11.9688
Type of gen. func.: lgdogf

$$- \frac{2 x^5 + x^4 + 4 x^3 + 4 x^2 - 6 x - 1}{(-1 + x) (1 + x) (x^2 + 1) (x^2 + x - 1)}$$

Sequence: A001350
Score: 12.8260
Type of gen. func.: ogf

$$\frac{x (x^2 + 1)}{(-1 + x) (1 + x) (x^2 + x - 1)}$$

Sequence: A001350
Score: 6.36402
Type of gen. func.: ogf

$$-(75 f(x) - 97) (f(x) x^4 + f(x) x^3 - 2 f(x) x^2 - x^3 - f(x) x + f(x) - x)$$

Sequence: A001350
Score: 8.01622
Type of gen. func.: lgdogf

$$- \frac{-2 x^5 - x^4 - 4 x^3 - 4 x^2 + 6 x + 1}{-x^6 - x^5 + x^4 + x^2 + x - 1}$$

Sequence: A001351
Score: 7.70150
Type of gen. func.: ogf

$$\frac{x (x^2 + 3 x + 1) (x^2 - x + 1)}{(x^3 - x^2 - 1) (x^3 + x - 1)}$$

Sequence: A001352
Score: 10.6921
Type of gen. func.: ogf

$$-f(x) x^2 + 4 f(x) x + x^2 - f(x) + 2 x + 1$$

Sequence: A001352
Score: 13.5560
Type of gen. func.: lgdogf

$$- \frac{6 x - 6}{x^3 - 3 x^2 - 3 x + 1}$$

Sequence: A001352
Score: 14.3233
Type of gen. func.: ogf

$$\frac{(1 + x)^2}{x^2 - 4 x + 1}$$

Sequence: A001352
Score: 25.3934
Type of gen. func.: lgdogf

$$- \frac{6 (-1 + x)}{(1 + x) (x^2 - 4 x + 1)}$$

Sequence: A001352
Score: 7.37026
Type of gen. func.: ogf

{-a(n + 3) + 4 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 6, a(2) = 24}

Sequence: A001353
Score: 10.9114
Type of gen. func.: ogf

$$-f(x) x^2 + 4 f(x) x - f(x) + x$$

Sequence: A001353
Score: 13.4120
Type of gen. func.: lgdogf

$$-\frac{2 x - 4}{x^2 - 4 x + 1}$$

Sequence: A001353
Score: 14.7470
Type of gen. func.: revogf

$$-\frac{-1 - 4 x + (1 + 2 x)^{1/2} (1 + 6 x)^{1/2}}{2 x}$$

Sequence: A001353
Score: 19.5084
Type of gen. func.: ogf

$$\frac{x}{x^2 - 4 x + 1}$$

Sequence: A001353
Score: 31.7060
Type of gen. func.: lgdogf

$$-\frac{2 (-2 + x)}{x^2 - 4 x + 1}$$

Sequence: A001353
Score: 7.94785
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A001354
Score: 10.0138
Type of gen. func.: ogf

$$\frac{x^2 + 4 x + 1}{x^2 - 3 x + 1}$$

Sequence: A001354
Score: 13.2826
Type of gen. func.: lgdogf

$$- \frac{7 (-1 + x) (1 + x)}{(x^2 + 4 x + 1) (x^2 - 3 x + 1)}$$

Sequence: A001354
Score: 5.15276
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 7, a(2) = 21\}$$

Sequence: A001354
Score: 7.47514
Type of gen. func.: ogf

$$-f(x) x^2 + 3 f(x) x + x^2 - f(x) + 4 x + 1$$

Sequence: A001354
Score: 7.69180
Type of gen. func.: lgdogf

$$-\frac{7 x^{2} - 7}{x^{4} + x^{3} - 10 x^{2} + x + 1}$$

Sequence: A001360
Score: 4.78113
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 1, a(1) = 8, a(2) = 29\}$$

Sequence: A001360
Score: 8.26445
Type of gen. func.: ogf

$$(1175 f(x) - 1428) (f(x) x^{3} - 4 f(x) x^{2} + 4 f(x) x + x^{2} - f(x) + 4 x + 1)$$

Sequence: A001360
Score: 8.85685
Type of gen. func.: ogf

$$-\frac{x^{2} + 4 x + 1}{(-1 + x) (x^{2} - 3 x + 1)}$$

Sequence: A001360
Score: 9.42065
Type of gen. func.: lgdogf

$$-\frac{x^{4} + 8 x^{3} - 17 x^{2} - 6 x + 8}{(-1 + x) (x^{2} + 4 x + 1) (x^{2} - 3 x + 1)}$$

Sequence: A001361
Score: 3.89461
Type of gen. func.: ogf

$$- (x^{8} + 232 x^{7} + 7228 x^{6} + 55384 x^{5} + 133510 x^{4} + 107224 x^{3} + 24508 x^{2} + 232 x$$

$$+ 1) / (-1 + x)^9$$

Sequence: A001362
Score: 25.3302
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^3 + x + 1$$

Sequence: A001362
Score: 5.95277
Type of gen. func.: ogf

$$\frac{1}{(x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (1 + x)^3 (-1 + x)^4}$$

Sequence: A001362
Score: 6.33048
Type of gen. func.: lgdogf

$$- (17 x^{11} + x^{10} + 20 x^9 + 2 x^8 + 10 x^7 + 2 x^6 + 10 x^5 + 2 x^4 + 10 x^3 + 2 x^2 + 3 x + 1) / ((-1 + x) (1 + x) (x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1))$$

Sequence: A001365
Score: 14.8699
Type of gen. func.: ogf_with_Euler_transform]

$$x^{23} + x^{11} + x^5 + x + 2$$

Sequence: A001382
Score: 2.90601
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A001386
Score: 13.9035
Type of gen. func.: lgdogf

$$-\frac{4 (3 + x) (3 x + 1)}{(-1 + x) (1 + x) (x^2 + 6 x + 1)}$$

Sequence: A001386
Score: 3.86608
Type of gen. func.: ogf

$$(260 f(x) + 1109) (f(x) x^4 - 4 f(x) x^3 - x^4 + 6 f(x) x^2 - 8 x^3 - 4 f(x) x - 14 x^2 + f(x) - 8 x - 1)$$

Sequence: A001386
Score: 6.78812
Type of gen. func.: ogf

$$\frac{(x^2 + 6 x + 1) (1 + x)^2}{(-1 + x)^4}$$

Sequence: A001386
Score: 8.71310
Type of gen. func.: lgdogf

$$-\frac{12 x^2 + 40 x + 12}{x^4 + 6 x^3 - 6 x - 1}$$

Sequence: A001392
Score: 11.4618
Type of gen. func.: lgdogf

$$\frac{18}{(-4x+1)^{1/2}\,(1+(-4x+1)^{1/2})}$$

Sequence: A001392
Score: 19.6131
Type of gen. func.: lgdogf

$$81 + (-9 + 36 x) f(x) + (4 x^2 - x) f(x)^2$$

Sequence: A001392
Score: 5.59337
Type of gen. func.: ogf

$$\{(-4 n^2 - 46 n - 132) a(n + 1) + (n^2 + 13 n + 22) a(n + 2), a(0) = 1, a(1) = 9\}$$

Sequence: A001399
Score: 12.0948
Type of gen. func.: lgdogf

$$-\frac{6 x^3 + 7 x^2 + 4 x + 1}{x^4 + x^3 - x - 1}$$

Sequence: A001399
Score: 15.2776
Type of gen. func.: ogf

$$-\frac{1}{(1 + x) (x^2 + x + 1) (-1 + x)^3}$$

Sequence: A001399
Score: 18.9848
Type of gen. func.: lgdogf

$$-\frac{(1 + 2 x) (3 x^2 + 2 x + 1)}{2}$$

$$(-1 + x) (1 + x) (x + x + 1)$$

Sequence: A001399
Score: 29.9101
Type of gen. func.: ogf_with_Euler_transform]

$$[x^2 + x + 1]$$

Sequence: A001400
Score: 12.6860
Type of gen. func.: ogf

$$\frac{1}{(x^2 + 1) (x^2 + x + 1) (1 + x)^2 (-1 + x)^4}$$

Sequence: A001400
Score: 13.0345
Type of gen. func.: lgdogf

$$- \frac{(2 x^2 + x + 1) (5 x^3 + 3 x^2 + 3 x + 1)}{(-1 + x) (1 + x) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A001400
Score: 25.2583
Type of gen. func.: ogf_with_Euler_transform]

$$x^3 + x^2 + x + 1$$

Sequence: A001401
Score: 20.4308
Type of gen. func.: ogf_with_Euler_transform]

$$x^4 + x^3 + x^2 + x + 1$$

Sequence: A001401
Score: 7.86496
Type of gen. func.: lgdogf

$$-\frac{(3x^4+2x^3+3x^2+x+1)(5x^5+7x^4+7x^3+6x^2+4x+1)}{(-1+x)(1+x)(x^2+x+1)(x^4+x^3+x^2+x+1)(x^2+1)}$$

Sequence: A001401
Score: 8.01620
Type of gen. func.: ogf

$$-\frac{1}{(x^2+x+1)(x^4+x^3+x^2+x+1)(x^2+1)(1+x)^2(-1+x)^5}$$

Sequence: A001402
Score: 15.3528
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5+x^4+x^3+x^2+x+1]$$

Sequence: A001402
Score: 6.33970
Type of gen. func.: ogf

$$1/((x^2-x+1)(x^4+x^3+x^2+x+1)(x^2+1)(x^2+x+1)^2(1+x)^3(-1+x)^6)$$

Sequence: A001405
Score: 11.0828
Type of gen. func.: lgdogf

$$-\frac{8x^2+2x-1+(-(2x-1)(1+2x))^{1/2}}{2x(1+2x)(2x-1)}$$

Sequence: A001405

Score: 13.6986
Type of gen. func.: revogf

$$-\frac{x^2 + x}{-2 x^2 - 2 x - 1}$$

Sequence: A001405
Score: 33.2485
Type of gen. func.: revogf

$$\frac{x (1 + x)}{2 x^2 + 2 x + 1}$$

Sequence: A001405
Score: 5.31586
Type of gen. func.: ogf

$$\{(-4 n - 8) a(n + 1) - 2 a(n + 2) + (n + 4) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A001405
Score: 9.25097
Type of gen. func.: ogf

$$-2 f(x)^2 x^2 + f(x)^2 x - 2 f(x) x + f(x) - 1$$

Sequence: A001421
Score: 2.79229
Type of gen. func.: ogf

$$\{(1728 n^3 + 7776 n^2 + 11472 n + 5544) a(n + 1) + (-n^3 - 6 n^2 - 12 n - 8) a(n + 2), a(0) = 1, a(1) = 120\}$$

Sequence: A001444
Score: 10.1248
Type of gen. func.: lgdogf

$$-\frac{27 x^4 + 18 x^3 - 21 x^2 + 2}{(3 x - 1) (3 x^2 - 1) (3 x^2 + x - 1)}$$

Sequence: A001444
Score: 4.95427
Type of gen. func.: ogf

$$-(f(x) + 3) (9 f(x) x^3 - 3 f(x) x^2 - 3 f(x) x + 3 x^2 + f(x) + x - 1)$$

Sequence: A001444
Score: 5.08698
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 3 a(n + 1) + 9 a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A001444
Score: 9.34003
Type of gen. func.: ogf

$$-\frac{3 x^2 + x - 1}{(3 x - 1) (3 x^2 - 1)}$$

Sequence: A001445
Score: 4.85468
Type of gen. func.: ogf

$$-(3 f(x) + 41) (4 f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + 6 x^2 + f(x) + x - 3)$$

Sequence: A001445
Score: 4.98356
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + 4 a(n), a(0) = 3, a(1) = 5, a(2) = 10\}$$

Sequence: A001445
Score: 9.23184
Type of gen. func.: ogf

$$-\frac{6 x^{2} + x - 3}{(2 x - 1) (2 x^{2} - 1)}$$

Sequence: A001445
Score: 9.99660
Type of gen. func.: lgdogf

$$-\frac{24 x^{4} + 8 x^{3} - 26 x^{2} + 5}{(2 x - 1) (2 x^{2} - 1) (6 x^{2} + x - 3)}$$

Sequence: A001446
Score: 4.52904
Type of gen. func.: ogf

$$-(45 f(x) + 706) (16 f(x) x^{3} - 4 f(x) x^{2} - 4 f(x) x + 40 x^{2} + f(x) + 6 x - 10)$$

Sequence: A001446
Score: 4.68388
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) - 4 a(n + 1) + 16 a(n), a(0) = 10, a(1) = 34, a(2) = 136 \}$$

Sequence: A001446
Score: 7.76573
Type of gen. func.: lgdogf

$$-\frac{320 x^{4} + 96 x^{3} - 172 x^{2} + 17}{(-1 + 4 x) (1 + 2 x) (2 x - 1) (20 x^{2} + 3 x - 5)}$$

Sequence: A001446
Score: 8.56272
Type of gen. func.: ogf

$$-\frac{2\,(20\,x^2+3\,x-5)}{(1+2\,x)\,(2\,x-1)\,(-1+4\,x)}$$

Sequence: A001447
Score: 4.59303
Type of gen. func.: ogf

$$-(4\,f(x)+5)\,(25\,f(x)\,x^3-5\,f(x)\,x^2-5\,f(x)\,x+5\,x^2+f(x)+2\,x-1)$$

Sequence: A001447
Score: 4.67361
Type of gen. func.: ogf

$$\{a(n+3)-5\,a(n+2)-5\,a(n+1)+25\,a(n),\ a(0)=1,\ a(1)=3,\ a(2)=15\}$$

Sequence: A001447
Score: 8.26370
Type of gen. func.: lgdogf

$$-\frac{(5\,x+1)\,(25\,x^3+15\,x^2-15\,x+3)}{(5\,x-1)\,(5\,x^2-1)\,(5\,x^2+2\,x-1)}$$

Sequence: A001447
Score: 8.59340
Type of gen. func.: ogf

$$-\frac{5\,x^2+2\,x-1}{(5\,x-1)\,(5\,x^2-1)}$$

Sequence: A001448
Score: 4.12313
Type of gen. func.: ogf

$\{(32 n^2 + 96 n + 70) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2), a(0) = 1, a(1) = 6\}$

Sequence: A001448
Score: 5.96641
Type of gen. func.: lgdogf

$$\frac{-\frac{1 + 16 x}{4 (16 x - 1)^{1/2}} - 1/4 I}{(16 x - 1)^{1/2} x}$$

Sequence: A001448
Score: 9.53484
Type of gen. func.: lgdogf

$$6 + 32 x + (256 x^2 - 1) f(x) + (512 x^3 - 64 x^2 + 2 x) f(x)^2$$

Sequence: A001450
Score: 3.77005
Type of gen. func.: ogf

$\{(3125 n^4 + 18750 n^3 + 41875 n^2 + 41250 n + 15120) a(n + 1)$

$+ (-108 n^4 - 702 n^3 - 1698 n^2 - 1812 n - 720) a(n + 2), a(0) = 1,$

$a(1) = 10\}$

Sequence: A001451
Score: 3.29155
Type of gen. func.: ogf

$\{(-3125 n^4 - 18750 n^3 - 41875 n^2 - 41250 n - 15120) a(n + 1)$

$+ (27 n^4 + 189 n^3 + 492 n^2 + 564 n + 240) a(n + 2), a(0) = 1, a(1) = 20\}$

Sequence: A001452

Score: 14.2939
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{4} - x^{3} - x^{2} - x - 1}{-x + 1}$$

Sequence: A001453
Score: 10.5742
Type of gen. func.: lgdogf

$$12 - 34\ x + 25\ x^{2} + (20\ x^{3} - 37\ x^{2} + 20\ x - 3)\ f(x) + (4\ x^{4} - 9\ x^{3} + 6\ x^{2} - x)\ f(x)^{2}$$

Sequence: A001453
Score: 4.30290
Type of gen. func.: ogf

$$\{(-4\ n^{2} - 30\ n - 56)\ a(n + 1) + (5\ n^{2} + 39\ n + 74)\ a(n + 2) + (-n^{2} - 9\ n - 18)\ a(n + 3),\ a(0) = 1,\ a(1) = 4,\ a(2) = 13\}$$

Sequence: A001453
Score: 9.44539
Type of gen. func.: lgdogf

$$\frac{3/2\ I}{x\ (-1 + 4\ x)^{1/2}} - \frac{5\ x - 3}{2\ (-1 + x)\ x}$$

Sequence: A001459
Score: 2.59329
Type of gen. func.: ogf

$$\{(3125\ n^{4} + 18750\ n^{3} + 41875\ n^{2} + 41250\ n + 15120)\ a(n + 1) + (-16\ n^{4} - 112\ n^{3} - 292\ n^{2} - 336\ n - 144)\ a(n + 2),\ a(0) = 1,\ a(1) = 30\}$$

Sequence: A001460
Score: 2.65338
Type of gen. func.: ogf

$$\{(-3125 n^4 - 18750 n^3 - 41875 n^2 - 41250 n - 15120) a(n + 1)$$

$$+ (4 n^4 + 30 n^3 + 84 n^2 + 104 n + 48) a(n + 2), a(0) = 1, a(1) = 60\}$$

Sequence: A001464
Score: 150.182
Type of gen. func.: lgdegf]

$$-x - 1$$

Sequence: A001464
Score: 6.07265
Type of gen. func.: ogf

$$\{(n + 2) a(n + 1) + a(n + 3) + a(n + 2), a(0) = 1, a(1) = -1, a(2) = 0\}$$

Sequence: A001470
Score: 4.35254
Type of gen. func.: ogf

$$\{(-n^2 - 5 n - 6) a(n + 1) - a(n + 3) + a(n + 4), a(0) = 1, a(1) = 1, a(2) = 1,$$

$$a(3) = 3\}$$

Sequence: A001470
Score: 58.7939
Type of gen. func.: lgdegf]

$$1 + x^2 - f(x)$$

Sequence: A001471
Score: 14.4175
Type of gen. func.: lgdegf]

$$1/36 x^5 + 1/2 x^2 + 1$$

Sequence: A001471
Score: 32.6633
Type of gen. func.: lgdegf]

$$1/36\, x^5 + 1/2\, x^2 + 1$$

Sequence: A001472
Score: 4.04823
Type of gen. func.: egf]

$$\{(-n - 5)\, a(n + 5) + a(n + 4) + a(n + 3) + a(n + 1),\ a(0) = 1,\ a(1) = 1,\ a(2) = 1,\ a(3) = 2/3,\ a(4) = 2/3\}$$

Sequence: A001472
Score: 51.3377
Type of gen. func.: lgdegf]

$$-1 - x - x^3 + f(x)$$

Sequence: A001475
Score: 11.2506
Type of gen. func.: lgdegf]

$$-\frac{-x^3 - 3\, x^2 - 6\, x - 4}{x^2 + 2\, x + 2}$$

Sequence: A001475
Score: 21.4245
Type of gen. func.: lgdegf]

$$4 + 6\, x + x^3 + 3\, x^2 + (-x^2 - 2\, x - 2)\, f(x)$$

Sequence: A001475
Score: 3.61829

Type of gen. func.: ogf

$$\{(n^2 + 6 n + 8) a(n + 1) + (n^2 + 10 n + 22) a(n + 2) + 2 a(n + 3) + (-n - 4) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 13\}$$

Sequence: A001477
Score: 107.950
Type of gen. func.: lgdogf

$$-\frac{2}{-1 + x}$$

Sequence: A001477
Score: 12.1558
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A001477
Score: 16.6884
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + x$$

Sequence: A001477
Score: 29.8368
Type of gen. func.: ogf

$$\frac{x}{(-1 + x)^2}$$

Sequence: A001477
Score: 35.1649
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A001477
Score: 42.2411
Type of gen. func.: revogf

$$\frac{4\ x}{(1 + (4\ x + 1)^{1/2})^2}$$

Sequence: A001478
Score: 115.955
Type of gen. func.: lgdogf

$$-\frac{2}{-1 + x}$$

Sequence: A001478
Score: 27.2055
Type of gen. func.: ogf

$$-\frac{1}{(-1 + x)^2}$$

Sequence: A001478
Score: 28.1771
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A001478
Score: 43.4832
Type of gen. func.: revogf

$$-\frac{4\ x}{(1 + (-4\ x + 1)^{1/2})^2}$$

Sequence: A001478
Score: 9.28187
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^2 - 2 f(x) x + f(x) + 1)$$

Sequence: A001478
Score: 9.62146
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -1, a(1) = -2\}$$

Sequence: A001489
Score: 117.310
Type of gen. func.: lgdogf

$$- \frac{2}{-1 + x}$$

Sequence: A001489
Score: 13.4921
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) - x$$

Sequence: A001489
Score: 21.5144
Type of gen. func.: ogf

$$- \frac{x}{(-1 + x)^2}$$

Sequence: A001489
Score: 28.4298
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A001489
Score: 43.9913
Type of gen. func.: revogf

$$-\frac{4x}{\left(1+(-4x+1)^{1/2}\right)^2}$$

Sequence: A001489
Score: 9.82758
Type of gen. func.: ogf

$$\{a(n+2) - 2\,a(n+1) + a(n),\ a(0) = 0,\ a(1) = -1\}$$

Sequence: A001496
Score: 3.66411
Type of gen. func.: ogf

$$\frac{(x^4 + 12\,x^3 + 62\,x^2 + 12\,x + 1)\,(1 + x)^2}{(-1 + x)^{10}}$$

Sequence: A001496
Score: 7.82289
Type of gen. func.: lgdogf

$$-\frac{4\,(x^5 + 18\,x^4 + 130\,x^3 + 216\,x^2 + 69\,x + 6)}{(-1 + x)\,(1 + x)\,(x^4 + 12\,x^3 + 62\,x^2 + 12\,x + 1)}$$

Sequence: A001499
Score: 4.05729
Type of gen. func.: ogf

$$\{(-n^3 - 7\,n^2 - 16\,n - 12)\,a(n+1) + (-2\,n^2 - 10\,n - 12)\,a(n+2) + 2\,a(n+3),$$
$$a(0) = 1,\ a(1) = 0,\ a(2) = 1\}$$

Sequence: A001504
Score: 12.5566
Type of gen. func.: lgdogf

$$-\frac{x^2 + 16 x + 10}{x^3 + 6 x^2 - 6 x - 1}$$

Sequence: A001504
Score: 13.3667
Type of gen. func.: ogf

$$-\frac{2 (x^2 + 7 x + 1)}{(-1 + x)^3}$$

Sequence: A001504
Score: 24.6546
Type of gen. func.: lgdogf

$$-\frac{x^2 + 16 x + 10}{(-1 + x) (x^2 + 7 x + 1)}$$

Sequence: A001504
Score: 7.20641
Type of gen. func.: ogf

$$(11 f(x) - 100) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x) + 14 x + 2)$$

Sequence: A001504
Score: 7.26963
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2, a(1) = 20, a(2) = 56\}$

Sequence: A001505
Score: 10.3078
Type of gen. func.: lgdogf

$$-\frac{x^3 + 65 x^2 + 155 x + 35}{x^4 + 30 x^3 - 30 x - 1}$$

Sequence: A001505
Score: 16.4563
Type of gen. func.: lgdogf

$$-\frac{x^3 + 65 x^2 + 155 x + 35}{(-1 + x) (1 + x) (x^2 + 30 x + 1)}$$

Sequence: A001505
Score: 4.25402
Type of gen. func.: ogf

$$\{(-14 n^2 - 67 n - 78) a(n + 1) + (28 n^2 + 140 n + 273) a(n + 2)$$
$$+ (-14 n^2 - 73 n - 93) a(n + 3), a(0) = 6, a(1) = 210, a(2) = 990\}$$

Sequence: A001505
Score: 5.39604
Type of gen. func.: ogf

$$(3392 f(x) + 512523) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 6 x^3 - 4 f(x) x$$
$$- 186 x^2 + f(x) - 186 x - 6)$$

Sequence: A001505
Score: 9.92605
Type of gen. func.: ogf

$$\frac{6 (1 + x) (x^2 + 30 x + 1)}{(-1 + x)^4}$$

Sequence: A001509
Score: 15.1964
Type of gen. func.: lgdogf

$$-\frac{4 (x^3 + 37 x^2 + 73 x + 14)}{(-1 + x) (4 x^3 + 68 x^2 + 52 x + 1)}$$

Sequence: A001509
Score: 3.96156
Type of gen. func.: ogf

$$\{(-335 n^2 - 1561 n - 1782) a(n + 1) + (570 n^2 + 2472 n + 4680) a(n + 2)$$
$$+ (-235 n^2 - 1211 n - 1518) a(n + 3), a(0) = 6, a(1) = 336, a(2) = 1716\}$$

Sequence: A001509
Score: 5.29077
Type of gen. func.: ogf

$$-(290 f(x) + 79791) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 24 x^3 - 4 f(x) x$$
$$- 408 x^2 + f(x) - 312 x - 6)$$

Sequence: A001509
Score: 9.13860
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 148 x^2 + 292 x + 56}{4 x^4 + 64 x^3 - 16 x^2 - 51 x - 1}$$

Sequence: A001509
Score: 9.80728
Type of gen. func.: ogf

$$6 (4 x^3 + 68 x^2 + 52 x + 1)$$

$$\frac{}{(-1 + x)^4}$$

Sequence: A001512
Score: 10.3981
Type of gen. func.: lgdogf

$$- \frac{x^4 + 246 x^3 + 1506 x^2 + 1246 x + 126}{(-1 + x) (x^4 + 121 x^3 + 381 x^2 + 121 x + 1)}$$

Sequence: A001512
Score: 7.08917
Type of gen. func.: ogf

$$- \frac{24 (x^4 + 121 x^3 + 381 x^2 + 121 x + 1)}{(-1 + x)^5}$$

Sequence: A001513
Score: 11.6547
Type of gen. func.: lgdogf

$$- \frac{5 x^2 + 134 x + 77}{5 x^3 + 57 x^2 - 57 x - 5}$$

Sequence: A001513
Score: 12.9706
Type of gen. func.: ogf

$$- \frac{5 x^2 + 62 x + 5}{(-1 + x)^3}$$

Sequence: A001513
Score: 20.2415
Type of gen. func.: lgdogf

$$-\frac{5 x^2 + 134 x + 77}{(-1 + x) (5 x^2 + 62 x + 5)}$$

Sequence: A001513
Score: 6.99283
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 5, a(1) = 77, a(2) = 221\}$$

Sequence: A001513
Score: 7.04949
Type of gen. func.: ogf

$$(355 f(x) - 13802) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 5 x^2 - f(x) + 62 x + 5)$$

Sequence: A001515
Score: 13.0827
Type of gen. func.: lgdegf]

$$2 x + (-2 + 4 x) f(x) + (4 x^2 - 4 x + 1) f(x)^2$$

Sequence: A001515
Score: 20.7143
Type of gen. func.: revegf]

$$-1/2 \ln(1 + x) (\ln(1 + x) - 2)$$

Sequence: A001515
Score: 9.78279
Type of gen. func.: lgdegf]

$$\frac{-1 - (1 - 2 x)^{1/2}}{2 x - 1}$$

Sequence: A001516
Score: 3.15741
Type of gen. func.: ogf

$$\{(n^2 + 7 n + 12) a(n + 1) + (2 n^3 + 15 n^2 + 41 n + 40) a(n + 2) + (-n^2 - 3 n - 2) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 6\}$$

Sequence: A001517
Score: 10.6245
Type of gen. func.: lgdegf]

$$\frac{-2 - (-4 x + 1)^{1/2}}{-1 + 4 x}$$

Sequence: A001517
Score: 12.8844
Type of gen. func.: lgdegf]

$$3 + 4 x + (-4 + 16 x) f(x) + (16 x^2 - 8 x + 1) f(x)^2$$

Sequence: A001517
Score: 27.0572
Type of gen. func.: revegf]

$$-\ln(1 + x) (\ln(1 + x) - 1)$$

Sequence: A001518
Score: 11.8777
Type of gen. func.: lgdegf]

$$\frac{-3 - (-6 x + 1)^{1/2}}{6 x - 1}$$

Sequence: A001518
Score: 14.1002
Type of gen. func.: lgdegf]

$$8 + 6 x + (-6 + 36 x) f(x) + (36 x^{2} - 12 x + 1) f(x)^{2}$$

Sequence: A001518
Score: 23.3195
Type of gen. func.: revegf]

$$-1/2 \ln(1 + x) (3 \ln(1 + x) - 2)$$

Sequence: A001519
Score: 12.2336
Type of gen. func.: lgdogf

$$-\frac{-2 x^{2} + 2 x - 1}{-2 x^{3} + 7 x^{2} - 5 x + 1}$$

Sequence: A001519
Score: 17.3989
Type of gen. func.: ogf

$$-\frac{2 x - 1}{x^{2} - 3 x + 1}$$

Sequence: A001519
Score: 19.7234
Type of gen. func.: revogf

$$-\frac{-1 - 3 x + (5 x^{2} - 2 x + 1)^{1/2}}{2 (x + 2)}$$

Sequence: A001519
Score: 21.9775
Type of gen. func.: lgdogf

$$-\frac{2 x^{2} - 2 x + 1}{{}^{2}}$$

$$(2 x - 1) (x - 3 x + 1)$$

Sequence: A001519
Score: 8.79718
Type of gen. func.: ogf

$$-(3 f(x) - 2) (f(x) x^2 - 3 f(x) x + f(x) + 2 x - 1)$$

Sequence: A001519
Score: 9.54817
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A001520
Score: 13.8011
Type of gen. func.: lgdogf

$$- \frac{5 x^3 + 437 x^2 + 1055 x + 231}{(-1 + x) (1 + x) (5 x^2 + 206 x + 5)}$$

Sequence: A001520
Score: 3.99352
Type of gen. func.: ogf

$$\{(98 n^2 + 475 n + 558) a(n + 1) + (-196 n^2 - 980 n - 1869) a(n + 2)$$

$$+ (98 n^2 + 505 n + 633) a(n + 3), a(0) = 15, a(1) = 693, a(2) = 3315\}$$

Sequence: A001520
Score: 5.04309
Type of gen. func.: ogf

$$(516672 f(x) + 267698387) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 15 x^3 - 4 f(x) x$$

$$- 633 x^2 + f(x) - 633 x - 15)$$

Sequence: A001520
Score: 9.47859
Type of gen. func.: lgdogf

$$-\frac{5 x^3 + 437 x^2 + 1055 x + 231}{5 x^4 + 206 x^3 - 206 x - 5}$$

Sequence: A001520
Score: 9.47859
Type of gen. func.: ogf

$$\frac{3 (1 + x) (5 x^2 + 206 x + 5)}{(-1 + x)^4}$$

Sequence: A001525
Score: 5.90944
Type of gen. func.: ogf

$$\{(27 n^2 + 135 n + 168) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 60\}$$

Sequence: A001526
Score: 12.0431
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 92 x + 52}{3 x^3 + 40 x^2 - 40 x - 3}$$

Sequence: A001526
Score: 13.2086
Type of gen. func.: ogf

$$-\frac{2 (3 x^2 + 43 x + 3)}{(-1 + x)^3}$$

Sequence: A001526
Score: 21.1625
Type of gen. func.: lgdogf

$$-\frac{3 x^{2} + 92 x + 52}{(-1 + x) (3 x^{2} + 43 x + 3)}$$

Sequence: A001526
Score: 6.99941
Type of gen. func.: ogf

$$(121 f(x) - 6486) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 6 x^{2} - f(x) + 86 x + 6)$$

Sequence: A001526
Score: 7.05975
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 6, a(1) = 104, a(2) = 300\}$$

Sequence: A001533
Score: 11.0924
Type of gen. func.: lgdogf

$$-\frac{7 x^{2} + 242 x + 135}{7 x^{3} + 107 x^{2} - 107 x - 7}$$

Sequence: A001533
Score: 12.6771
Type of gen. func.: ogf

$$-\frac{7 x^{2} + 114 x + 7}{(-1 + x)^{3}}$$

Sequence: A001533
Score: 19.1220
Type of gen. func.: lgdogf

$$-\frac{7x^2+242x+135}{(-1+x)(7x^2+114x+7)}$$

Sequence: A001533
Score: 6.7114
Type of gen. func.: ogf

$$(633 f(x) - 44770)(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 7 x^2 - f(x) + 114 x + 7)$$

Sequence: A001533
Score: 6.88497
Type of gen. func.: ogf

$$\{a(n+3) - 3 a(n+2) + 3 a(n+1) - a(n), a(0) = 7, a(1) = 135, a(2) = 391\}$$

Sequence: A001534
Score: 11.8933
Type of gen. func.: lgdogf

$$-\frac{4x^2+154x+85}{4x^3+69x^2-69x-4}$$

Sequence: A001534
Score: 13.0260
Type of gen. func.: ogf

$$-\frac{2(4x^2+73x+4)}{(-1+x)^3}$$

Sequence: A001534
Score: 20.6662

Type of gen. func.: lgdogf

$$-\frac{4 x^2 + 154 x + 85}{(-1 + x) (4 x^2 + 73 x + 4)}$$

Sequence: A001534
Score: 6.89612
Type of gen. func.: ogf

$$(401 f(x) - 36190) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 8 x^2 - f(x) + 146 x + 8)$$

Sequence: A001534
Score: 7.07446
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 8, a(1) = 170, a(2) = 494}

Sequence: A001535
Score: 11.2159
Type of gen. func.: lgdogf

$$-\frac{9 x^2 + 382 x + 209}{9 x^3 + 173 x^2 - 173 x - 9}$$

Sequence: A001535
Score: 12.8182
Type of gen. func.: ogf

$$-\frac{9 x^2 + 182 x + 9}{(-1 + x)^3}$$

Sequence: A001535
Score: 19.3413
Type of gen. func.: lgdogf

$$-\frac{9 x^2 + 382 x + 209}{(-1 + x)(9 x^2 + 182 x + 9)}$$

Sequence: A001535
Score: 6.72953
Type of gen. func.: ogf

$$(991 f(x) - 111162)(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 9 x^2 - f(x) + 182 x + 9)$$

Sequence: A001535
Score: 6.96159
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 9, a(1) = 209, a(2) = 609\}$$

Sequence: A001536
Score: 11.0334
Type of gen. func.: lgdogf

$$-\frac{5 x^2 + 232 x + 126}{5 x^3 + 106 x^2 - 106 x - 5}$$

Sequence: A001536
Score: 12.2216
Type of gen. func.: ogf

$$-\frac{2 (5 x^2 + 111 x + 5)}{(-1 + x)^3}$$

Sequence: A001536
Score: 19.0234
Type of gen. func.: lgdogf

$$-\frac{5 x^2 + 232 x + 126}{}$$

$$(-1 + x)\,(5 x^2 + 111 x + 5)$$

Sequence: A001536
Score: 6.62002
Type of gen. func.: ogf

$$(75 f(x) - 10237)\,(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 10 x^2 - f(x) + 222 x + 10)$$

Sequence: A001536
Score: 6.78976
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 10, a(1) = 252, a(2) = 736\}$$

Sequence: A001538
Score: 10.7846
Type of gen. func.: lgdogf

$$- \frac{11 x^2 + 554 x + 299}{11 x^3 + 255 x^2 - 255 x - 11}$$

Sequence: A001538
Score: 12.4438
Type of gen. func.: ogf

$$- \frac{11 x^2 + 266 x + 11}{(-1 + x)^3}$$

Sequence: A001538
Score: 18.0546
Type of gen. func.: lgdogf

$$- \frac{11 x^2 + 554 x + 299}{(-1 + x)\,(11 x^2 + 266 x + 11)}$$

Sequence: A001538
Score: 6.57598
Type of gen. func.: ogf

$$(1429 f(x) - 233234) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 11 x^2 - f(x) + 266 x + 11)$$

Sequence: A001538
Score: 6.91321
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 11, a(1) = 299, a(2) = 875\}$$

Sequence: A001539
Score: 11.9825
Type of gen. func.: lgdogf

$$- \frac{3 x^2 + 58 x + 35}{3 x^3 + 23 x^2 - 23 x - 3}$$

Sequence: A001539
Score: 13.1421
Type of gen. func.: ogf

$$- \frac{3 x^2 + 26 x + 3}{(-1 + x)^3}$$

Sequence: A001539
Score: 21.0490
Type of gen. func.: lgdogf

$$- \frac{3 x^2 + 58 x + 35}{(-1 + x) (3 x^2 + 26 x + 3)}$$

Sequence: A001539
Score: 6.9642
Type of gen. func.: ogf

$$(157 f(x) - 2610) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) + 26 x + 3)$$

Sequence: A001539
Score: 7.14747
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3, a(1) = 35, a(2) = 99\}$$

Sequence: A001540
Score: 3.16216
Type of gen. func.: ogf

$$\{(-n^2 - 7 n - 12) a(n + 1) + (n^2 + 8 n + 16) a(n + 3) + (-n - 3) a(n + 4),$$
$$a(0) = 0, a(1) = 2, a(2) = 8, a(3) = 36\}$$

Sequence: A001541
Score: 10.8536
Type of gen. func.: lgdogf

$$-\frac{-3 x^2 + 2 x - 3}{-3 x^3 + 19 x^2 - 9 x + 1}$$

Sequence: A001541
Score: 15.6774
Type of gen. func.: ogf

$$-\frac{3 x - 1}{x^2 - 6 x + 1}$$

Sequence: A001541
Score: 20.3807

Type of gen. func.: lgdogf

$$-\frac{3 x^{2} - 2 x + 3}{(3 x - 1) (x^{2} - 6 x + 1)}$$

Sequence: A001541
Score: 7.83874
Type of gen. func.: ogf

$$-(16 f(x) - 7) (f(x) x^{2} - 6 f(x) x + f(x) + 3 x - 1)$$

Sequence: A001541
Score: 8.60348
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A001542
Score: 11.7975
Type of gen. func.: lgdogf

$$-\frac{2 x - 6}{x^{2} - 6 x + 1}$$

Sequence: A001542
Score: 14.2858
Type of gen. func.: revogf

$$-\frac{-1 - 3 x + (1 + 2 x)^{1/2} (4 x + 1)^{1/2}}{x}$$

Sequence: A001542
Score: 15.3049
Type of gen. func.: ogf

$$\frac{2 x}{}$$

$$x^2 - 6 x + 1$$

Sequence: A001542
Score: 26.5308
Type of gen. func.: lgdogf

$$-\frac{2 (-3 + x)}{x^2 - 6 x + 1}$$

Sequence: A001542
Score: 6.99112
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + a(n), a(0) = 0, a(1) = 2\}$$

Sequence: A001542
Score: 9.59799
Type of gen. func.: ogf

$$-f(x) x^2 + 6 f(x) x - f(x) + 2 x$$

Sequence: A001545
Score: 12.0145
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 46 x + 27}{2 x^3 + 19 x^2 - 19 x - 2}$$

Sequence: A001545
Score: 13.1772
Type of gen. func.: ogf

$$-\frac{2 (2 x^2 + 21 x + 2)}{(-1 + x)^3}$$

Sequence: A001545
Score: 21.1087
Type of gen. func.: lgdogf

$$-\frac{2 x^{2} + 46 x + 27}{(-1 + x) (2 x^{2} + 21 x + 2)}$$

Sequence: A001545
Score: 6.98279
Type of gen. func.: ogf

$$(123 f(x) - 3266) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 4 x^{2} - f(x) + 42 x + 4)$$

Sequence: A001545
Score: 7.10422
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 4, a(1) = 54, a(2) = 154\}$$

Sequence: A001546
Score: 5.88816
Type of gen. func.: lgdogf

$$-\frac{35 x^{4} + 12660 x^{3} + 79314 x^{2} + 65396 x + 6435}{(-1 + x) (35 x^{4} + 6260 x^{3} + 20178 x^{2} + 6260 x + 35)}$$

Sequence: A001546
Score: 6.61176
Type of gen. func.: ogf

$$-\frac{3 (35 x^{4} + 6260 x^{3} + 20178 x^{2} + 6260 x + 35)}{(-1 + x)^{5}}$$

Sequence: A001547
Score: 12.3286
Type of gen. func.: lgdogf

$$-\frac{3\,(15\,x^3 + 445\,x^2 + 780\,x + 132)}{(-1 + x)\,(45\,x^3 + 600\,x^2 + 380\,x + 4)}$$

Sequence: A001547
Score: 3.82890
Type of gen. func.: ogf

$$\{(-201\,n^2 - 927\,n - 1050)\,a(n + 1) + (304\,n^2 + 1158\,n + 2090)\,a(n + 2) + (-103\,n^2 - 525\,n - 648)\,a(n + 3),\ a(0) = 8,\ a(1) = 792,\ a(2) = 4320\}$$

Sequence: A001547
Score: 5.00509
Type of gen. func.: ogf

$$(13014\,f(x) + 9443083)\,(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - 90\,x^3 - 4\,f(x)\,x - 1200\,x^2 + f(x) - 760\,x - 8)$$

Sequence: A001547
Score: 7.97688
Type of gen. func.: lgdogf

$$-\frac{45\,x^3 + 1335\,x^2 + 2340\,x + 396}{45\,x^4 + 555\,x^3 - 220\,x^2 - 376\,x - 4}$$

Sequence: A001547
Score: 9.22626
Type of gen. func.: ogf

$$\frac{2\,(45\,x^3 + 600\,x^2 + 380\,x + 4)}{(-1 + x)^4}$$

Sequence: A001550
Score: 10.0798
Type of gen. func.: ogf

$$-\frac{11x^2-12x+3}{(-1+x)(3x-1)(2x-1)}$$

Sequence: A001550
Score: 5.42103
Type of gen. func.: ogf

$$-(2f(x)-11)(6f(x)x^3-11f(x)x^2+6f(x)x+11x^2-f(x)-12x+3)$$

Sequence: A001550
Score: 5.65881
Type of gen. func.: ogf

$$\{-a(n+3)+6a(n+2)-11a(n+1)+6a(n),\ a(0)=3,\ a(1)=6,\ a(2)=14\}$$

Sequence: A001550
Score: 8.77877
Type of gen. func.: lgdogf

$$-\frac{2(33x^4-72x^3+60x^2-22x+3)}{(-1+x)(3x-1)(2x-1)(11x^2-12x+3)}$$

Sequence: A001551
Score: 4.79634
Type of gen. func.: ogf

$$-(27f(x)+317)(24f(x)x^4-50f(x)x^3+35f(x)x^2+50x^3-10f(x)x-70x^2+f(x)+30x-4)$$

Sequence: A001551
Score: 6.64834
Type of gen. func.: lgdogf

$$-\frac{600 x^6 - 1680 x^5 + 1955 x^4 - 1192 x^3 + 400 x^2 - 70 x + 5}{(-1 + x) (-1 + 4 x) (3 x - 1) (2 x - 1) (5 x - 2) (5 x^2 - 5 x + 1)}$$

Sequence: A001551
Score: 8.62200
Type of gen. func.: ogf

$$-\frac{2 (5 x - 2) (5 x^2 - 5 x + 1)}{(-1 + x) (3 x - 1) (2 x - 1) (-1 + 4 x)}$$

Sequence: A001552
Score: 6.88578
Type of gen. func.: ogf

$$-\frac{274 x^4 - 450 x^3 + 255 x^2 - 60 x + 5}{(-1 + x) (-1 + 4 x) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A001553
Score: 5.52776
Type of gen. func.: ogf

$$-\frac{(7 x - 2) (252 x^4 - 392 x^3 + 203 x^2 - 42 x + 3)}{(-1 + x) (6 x - 1) (-1 + 4 x) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A001554
Score: 4.40239
Type of gen. func.: ogf

$$-\frac{13068 x^6 - 26264 x^5 + 20307 x^4 - 7840 x^3 + 1610 x^2 - 168 x + 7}{(-1 + x) (6 x - 1) (-1 + 4 x) (3 x - 1) (2 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A001555

Score: 3.53906

Type of gen. func.: ogf

$$-4\,(9x-2)\,(3044x^6-5886x^5+4299x^4-1539x^3+288x^2-27x+1)/((-1+x)\,(6x-1)\,(-1+4x)\,(3x-1)\,(2x-1)\,(8x-1)\,(7x-1)\,(5x-1))$$

Sequence: A001558

Score: 11.8221

Type of gen. func.: lgdogf

$$-24-25x+(-20x^2-27x+8)\,f(x)+(-4x^3-7x^2+2x)\,f(x)^2$$

Sequence: A001559

Score: 12.9742

Type of gen. func.: lgdogf

$$-40-36x+(-24x^2-34x+10)\,f(x)+(-4x^3-7x^2+2x)\,f(x)^2$$

Sequence: A001559

Score: 7.54683

Type of gen. func.: lgdogf

$$\frac{(x+5)\,I}{x\,(x+2)\,(-1+4x)^{1/2}}-\frac{3x+5}{(x+2)\,x}$$

Sequence: A001561

Score: 13.1439

Type of gen. func.: lgdogf

$$-\frac{4\,(x^3+193x^2+640x+195)}{(-1+x)\,(4x^3+380x^2+600x+45)}$$

Sequence: A001561

Score: 3.82306

Type of gen. func.: ogf

$$\{(-103 n^2 - 505 n - 598) a(n + 1) + (304 n^2 + 1882 n + 3900) a(n + 2) + (-201 n^2 - 1083 n - 1440) a(n + 3), a(0) = 90, a(1) = 1560, a(2) = 6460\}$$

Sequence: A001561
Score: 4.91191
Type of gen. func.: ogf

$$(1227501 f(x) + 1091173322) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 8 x^3 - 4 f(x) x - 760 x^2 + f(x) - 1200 x - 90)$$

Sequence: A001561
Score: 8.25619
Type of gen. func.: lgdogf

$$- \frac{4 x^3 + 772 x^2 + 2560 x + 780}{4 x^4 + 376 x^3 + 220 x^2 - 555 x - 45}$$

Sequence: A001561
Score: 9.35039
Type of gen. func.: ogf

$$\frac{2 (4 x^3 + 380 x^2 + 600 x + 45)}{(-1 + x)^4}$$

Sequence: A001563
Score: 12.1022
Type of gen. func.: egf]

$$-f(x) x^2 + 2 f(x) x - f(x) + x$$

Sequence: A001563

Score: 21.6373
Type of gen. func.: egf]

$$\frac{x}{(-1 + x)^{2}}$$

Sequence: A001563
Score: 25.5011
Type of gen. func.: lgdegf]

$$\frac{2}{-x + 1}$$

Sequence: A001563
Score: 30.6416
Type of gen. func.: revegf]

$$\frac{4 x}{(1 + (4 x + 1)^{1/2})^{2}}$$

Sequence: A001563
Score: 6.43270
Type of gen. func.: ogf

$$\{(-n^{2} - 4 n - 4) a(n + 1) + (n + 1) a(n + 2), a(0) = 0, a(1) = 1\}$$

Sequence: A001563
Score: 78.3063
Type of gen. func.: lgdegf]

$$- \frac{2}{-1 + x}$$

Sequence: A001564
Score: 10.9412
Type of gen. func.: lgdegf]

2

$$-\frac{-x - 2\,x - 3}{-x^{3} + x^{2} - x + 1}$$

Sequence: A001564
Score: 12.2849
Type of gen. func.: egf]

$$-\frac{x^{2} + 1}{(-1 + x)^{3}}$$

Sequence: A001564
Score: 25.4838
Type of gen. func.: lgdegf]

$$-\frac{x^{2} + 2\,x + 3}{(-1 + x)\,(x^{2} + 1)}$$

Sequence: A001564
Score: 3.09841
Type of gen. func.: ogf

$$\{(n^{2} + 4\,n + 4)\,a(n + 1) + (-2\,n^{2} - 15\,n - 24)\,a(n + 2)$$
$$+ (n^{2} + 12\,n + 30)\,a(n + 3) + (-n - 4)\,a(n + 4),\ a(0) = 1,\ a(1) = 3,$$
$$a(2) = 14,\ a(3) = 78\}$$

Sequence: A001564
Score: 6.5443
Type of gen. func.: egf]

$$(9\,f(x) - 4)\,(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x + x^{2} - f(x) + 1)$$

Sequence: A001565
Score: 17.5802
Type of gen. func.: lgdegf]

$$-\frac{x^3 + 3x^2 + 9x + 11}{(-1 + x)(x^3 + 3x + 2)}$$

Sequence: A001565
Score: 5.11302
Type of gen. func.: egf]

$(584 f(x) + 569)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x + f(x) - 3x - 2)$$

Sequence: A001565
Score: 8.39544
Type of gen. func.: lgdegf]

$$-\frac{x^3 + 3x^2 + 9x + 11}{x^4 - x^3 + 3x^2 - x - 2}$$

Sequence: A001565
Score: 9.85552
Type of gen. func.: egf]

$$\frac{x^3 + 3x + 2}{(-1 + x)^4}$$

Sequence: A001570
Score: 14.5302
Type of gen. func.: ogf

$$-\frac{-1 + x}{x^2 - 14x + 1}$$

Sequence: A001570

Score: 15.2700
Type of gen. func.: revogf

$$-\frac{-1 - 14 x + (192 x^2 + 24 x + 1)^{1/2}}{2 (1 + x)}$$

Sequence: A001570
Score: 19.8973
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x + 13}{(-1 + x) (x^2 - 14 x + 1)}$$

Sequence: A001570
Score: 7.18696
Type of gen. func.: ogf

$$-(180 f(x) - 11) (f(x) x^2 - 14 f(x) x + f(x) + x - 1)$$

Sequence: A001570
Score: 7.95700
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1) + a(n), a(0) = 1, a(1) = 13\}$$

Sequence: A001570
Score: 9.97594
Type of gen. func.: lgdogf

$$-\frac{-x^2 + 2 x - 13}{-x^3 + 15 x^2 - 15 x + 1}$$

Sequence: A001571
Score: 12.6894
Type of gen. func.: ogf

$$\frac{x (-2 + x)}{(-1 + x) (x^2 - 4 x + 1)}$$

Sequence: A001571
Score: 14.8651
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 11 x^2 + 20 x - 9}{(-1 + x) (-2 + x) (x^2 - 4 x + 1)}$$

Sequence: A001571
Score: 6.51620
Type of gen. func.: ogf

{-a(n + 3) + 5 a(n + 2) - 5 a(n + 1) + a(n), a(0) = 0, a(1) = 2, a(2) = 9}

Sequence: A001571
Score: 6.63576
Type of gen. func.: ogf

$$(45 f(x) - 11) (f(x) x^3 - 5 f(x) x^2 + 5 f(x) x - x^2 - f(x) + 2 x)$$

Sequence: A001571
Score: 8.61069
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 11 x^2 + 20 x - 9}{x^4 - 7 x^3 + 15 x^2 - 11 x + 2}$$

Sequence: A001576
Score: 5.28082
Type of gen. func.: ogf

{-a(n + 3) + 7 a(n + 2) - 14 a(n + 1) + 8 a(n), a(0) = 3, a(1) = 7, a(2) = 21}

Sequence: A001576
Score: 6.74089
Type of gen. func.: ogf

$$(9 f(x) + 463) (8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x + 14 x^2 - f(x) - 14 x + 3)$$

Sequence: A001576
Score: 7.96584
Type of gen. func.: lgdogf

$$- \frac{112 x^4 - 224 x^3 + 170 x^2 - 56 x + 7}{(-1 + x) (2 x - 1) (-1 + 4 x) (14 x^2 - 14 x + 3)}$$

Sequence: A001576
Score: 9.40647
Type of gen. func.: ogf

$$- \frac{14 x^2 - 14 x + 3}{(-1 + x) (2 x - 1) (-1 + 4 x)}$$

Sequence: A001579
Score: 4.71123
Type of gen. func.: ogf

{-a(n + 3) + 14 a(n + 2) - 63 a(n + 1) + 90 a(n), a(0) = 3, a(1) = 14,

a(2) = 70}

Sequence: A001579
Score: 4.71124
Type of gen. func.: ogf

$$(2 f(x) + 43) (90 f(x) x^3 - 63 f(x) x^2 + 14 f(x) x + 63 x^2 - f(x) - 28 x + 3)$$

Sequence: A001579
Score: 6.91322
Type of gen. func.: lgdogf

$$-\frac{2\,(2835\,x^{4}-2520\,x^{3}+846\,x^{2}-126\,x+7)}{(6\,x-1)\,(3\,x-1)\,(5\,x-1)\,(63\,x^{2}-28\,x+3)}$$

Sequence: A001579
Score: 8.35173
Type of gen. func.: ogf

$$-\frac{63\,x^{2}-28\,x+3}{(6\,x-1)\,(3\,x-1)\,(5\,x-1)}$$

Sequence: A001580
Score: 4.13696
Type of gen. func.: ogf

$$(28\,f(x)+751)\,\left(2\,f(x)\,x^{4}-7\,f(x)\,x^{3}+9\,f(x)\,x^{2}+3\,x^{3}-5\,f(x)\,x-2\,x^{2}+f(x)+2\,x-1\right)$$

Sequence: A001580
Score: 7.52177
Type of gen. func.: ogf

$$-\frac{3\,x^{3}-2\,x^{2}+2\,x-1}{(2\,x-1)\,(-1+x)^{3}}$$

Sequence: A001580
Score: 9.42844
Type of gen. func.: lgdogf

$$-\frac{6\,x^{4}+4\,x^{3}+x^{2}-8\,x+3}{(-1+x)\,(2\,x-1)\,(3\,x^{3}-2\,x^{2}+2\,x-1)}$$

Sequence: A001582
Score: 4.90258
Type of gen. func.: ogf

$$-(9 f(x) - 1) (f(x) x^4 - 2 f(x) x^3 - 7 f(x) x^2 - 2 f(x) x + x^2 + f(x) - 1)$$

Sequence: A001582
Score: 9.24955
Type of gen. func.: lgdogf

$$- \frac{2 (x^5 - x^4 - 2 x^3 + 4 x^2 + 6 x + 1)}{(-1 + x) (1 + x) (x^4 - 2 x^3 - 7 x^2 - 2 x + 1)}$$

Sequence: A001582
Score: 9.72972
Type of gen. func.: ogf

$$- \frac{(-1 + x) (1 + x)}{x^4 - 2 x^3 - 7 x^2 - 2 x + 1}$$

Sequence: A001584
Score: 10.3969
Type of gen. func.: ogf

$$\frac{(-1 + x) (x^2 + x + 1)^2}{(x^4 - x^3 + 1) (x^4 + x^3 - 1)}$$

Sequence: A001584
Score: 9.98839
Type of gen. func.: lgdogf

$$- \frac{3 x^{10} + x^9 - 9 x^7 - x^6 + 2 x^5 + 2 x^4 + 2 x^3 - x^2 - x - 1}{(-1 + x) (x^2 + x + 1) (x^4 + x^3 - 1) (x^4 - x^3 + 1)}$$

Sequence: A001585
Score: 6.68414
Type of gen. func.: ogf

$$\frac{2 x^{4} + 15 x^{3} - 7 x^{2} + 3 x - 1}{(3 x - 1) (-1 + x)^{4}}$$

Sequence: A001585
Score: 8.25103
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^{5} + 54 x^{4} + 2 x^{3} - 8 x^{2} - 5 x + 2)}{(-1 + x) (3 x - 1) (2 x^{4} + 15 x^{3} - 7 x^{2} + 3 x - 1)}$$

Sequence: A001588
Score: 13.4260
Type of gen. func.: lgdogf

$$- \frac{3 x^{4} - 2 x^{3} + 3 x^{2} - 6 x + 3}{(-1 + x) (3 x^{2} - x - 1) (x^{2} + x - 1)}$$

Sequence: A001588
Score: 14.2072
Type of gen. func.: ogf

$$- \frac{3 x^{2} - x - 1}{(-1 + x) (x^{2} + x - 1)}$$

Sequence: A001588
Score: 7.76268
Type of gen. func.: ogf

$$-(f(x) + 8) (f(x) x^{3} - 2 f(x) x + 3 x^{2} + f(x) - x - 1)$$

Sequence: A001588
Score: 7.84355
Type of gen. func.: lgdogf

$$-\frac{-3 x^{4} + 2 x^{3} - 3 x^{2} + 6 x - 3}{-3 x^{5} + x^{4} + 7 x^{3} - 5 x^{2} - x + 1}$$

Sequence: A001588
Score: 8.01044
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n),\ a(0) = 1,\ a(1) = 3,\ a(2) = 3\}$$

Sequence: A001589
Score: 5.21681
Type of gen. func.: ogf

$$-\frac{5 x^{5} + 38 x^{4} + 43 x^{3} - 17 x^{2} + 4 x - 1}{(4 x - 1) (-1 + x)^{5}}$$

Sequence: A001589
Score: 6.10936
Type of gen. func.: lgdogf

$$-\frac{20 x^{6} + 384 x^{5} + 909 x^{4} - 166 x^{3} - 66 x^{2} - 6 x + 5}{(-1 + x) (4 x - 1) (5 x^{5} + 38 x^{4} + 43 x^{3} - 17 x^{2} + 4 x - 1)}$$

Sequence: A001590
Score: 13.1560
Type of gen. func.: lgdogf

$$-\frac{2 x^{3} - 2 x^{2} - 2 x}{x^{4} - 2 x + 1}$$

Sequence: A001590
Score: 13.8484
Type of gen. func.: ogf

$$\frac{x(-1+x)}{x^3+x^2+x-1}$$

Sequence: A001590
Score: 21.7245
Type of gen. func.: lgdogf

$$-\frac{2x(x^2-x-1)}{(-1+x)(x^3+x^2+x-1)}$$

Sequence: A001590
Score: 7.17597
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+2)+a(n+1)+a(n),\ a(0)=0,\ a(1)=1,\ a(2)=0\}$$

Sequence: A001590
Score: 9.28654
Type of gen. func.: ogf

$$-f(x)\,x^3-f(x)\,x^2-f(x)\,x+x^2+f(x)-x$$

Sequence: A001591
Score: 12.8210
Type of gen. func.: ogf

$$-\frac{x^4}{x^5+x^4+x^3+x^2+x-1}$$

Sequence: A001591
Score: 16.2934

Type of gen. func.: lgdogf

$$-\frac{5x^4+4x^3+3x^2+2x+1}{x^5+x^4+x^3+x^2+x-1}$$

Sequence: A001591
Score: 6.68445
Type of gen. func.: ogf

$$-f(x)\,x^5-f(x)\,x^4-f(x)\,x^3-x^4-f(x)\,x^2-f(x)\,x+f(x)$$

Sequence: A001591
Score: 8.14669
Type of gen. func.: lgdogf

$$-\frac{-5x^4-4x^3-3x^2-2x-1}{-x^5-x^4-x^3-x^2-x+1}$$

Sequence: A001592
Score: 11.5216
Type of gen. func.: ogf

$$-\frac{x^5}{x^6+x^5+x^4+x^3+x^2+x-1}$$

Sequence: A001592
Score: 13.7699
Type of gen. func.: lgdogf

$$-\frac{6x^5+5x^4+4x^3+3x^2+2x+1}{x^6+x^5+x^4+x^3+x^2+x-1}$$

Sequence: A001593

Score: 5.36584
Type of gen. func.: ogf

$$\frac{4 x^{6} + 135 x^{5} + 289 x^{4} + 84 x^{3} - 36 x^{2} + 5 x - 1}{(5 x - 1) (-1 + x)^{6}}$$

Sequence: A001593
Score: 6.22029
Type of gen. func.: lgdogf

$$- \frac{2 (10 x^{7} + 725 x^{6} + 3438 x^{5} + 2381 x^{4} - 734 x^{3} - 69 x^{2} + 6 x + 3)}{(-1 + x) (5 x - 1) (4 x^{6} + 135 x^{5} + 289 x^{4} + 84 x^{3} - 36 x^{2} + 5 x - 1)}$$

Sequence: A001594
Score: 3.40256
Type of gen. func.: ogf

$$- \frac{7 x^{7} + 334 x^{6} + 1776 x^{5} + 1475 x^{4} + 75 x^{3} - 72 x^{2} + 6 x - 1}{(6 x - 1) (-1 + x)^{7}}$$

Sequence: A001595
Score: 14.6190
Type of gen. func.: ogf

$$\frac{x^{2} - x + 1}{(-1 + x) (x^{2} + x - 1)}$$

Sequence: A001595
Score: 14.6203
Type of gen. func.: lgdogf

$$- \frac{x^{4} - 2 x^{3} + 5 x^{2} - 2 x - 1}{(-1 + x) (x^{2} - x + 1) (x^{2} + x - 1)}$$

Sequence: A001595
Score: 8.07091
Type of gen. func.: lgdogf

$$-\frac{x^4 - 2x^3 + 5x^2 - 2x - 1}{x^5 - x^4 - x^3 + 3x^2 - 3x + 1}$$

Sequence: A001595
Score: 8.24263
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n), a(0) = 1, a(1) = 1, a(2) = 3\}$$

Sequence: A001595
Score: 8.33125
Type of gen. func.: ogf

$$(3 f(x) + 5) (f(x) x^3 - 2 f(x) x - x^2 + f(x) + x - 1)$$

Sequence: A001596
Score: 4.10852
Type of gen. func.: ogf

$$\frac{6x^8 + 847x^7 + 8189x^6 + 15777x^5 + 5851x^4 - 295x^3 - 141x^2 + 7x - 1}{(7x - 1)(-1 + x)^8}$$

Sequence: A001603
Score: 8.55428
Type of gen. func.: ogf

$$-\frac{x^4 + 13x^2 + 1}{(-1 + x)(x^2 - 7x + 1)(x^2 - 3x + 1)}$$

Sequence: A001604
Score: 7.88439
Type of gen. func.: ogf

$$-\frac{11 x^4 - 90 x^3 + 173 x^2 - 90 x + 11}{(-1 + x) (x^2 - 7 x + 1) (x^2 - 3 x + 1)}$$

Sequence: A001607
Score: 11.1497
Type of gen. func.: ogf

$$2 f(x) x^2 + f(x) x + f(x) - x$$

Sequence: A001607
Score: 13.7048
Type of gen. func.: lgdogf

$$-\frac{4 x + 1}{2 x^2 + x + 1}$$

Sequence: A001607
Score: 17.7792
Type of gen. func.: ogf

$$\frac{x}{2 x^2 + x + 1}$$

Sequence: A001607
Score: 36.4423
Type of gen. func.: lgdogf

$$-\frac{4 x + 1}{2 x^2 + x + 1}$$

Sequence: A001607
Score: 8.12136

Type of gen. func.: ogf

$$\{-a(n + 2) - a(n + 1) - 2 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A001608
Score: 14.4477
Type of gen. func.: ogf

$$\frac{x^2 - 3}{x^3 + x^2 - 1}$$

Sequence: A001608
Score: 21.5498
Type of gen. func.: lgdogf

$$- \frac{x (x^3 - 9 x - 4)}{(x^3 + x^2 - 1) (x^2 - 3)}$$

Sequence: A001608
Score: 8.23363
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 1) - a(n), a(0) = 3, a(1) = 0, a(2) = 2\}$$

Sequence: A001608
Score: 8.32313
Type of gen. func.: ogf

$$(69 f(x) - 271) (f(x) x^3 + f(x) x^2 - x^2 - f(x) + 3)$$

Sequence: A001608
Score: 9.57160
Type of gen. func.: lgdogf

```
                 4       2
                x  - 9 x  - 4 x
          - -------------------------
              5    4       3       2
```

$$x + x - 3 x - 4 x + 3$$

Sequence: A001609
Score: 11.1092
Type of gen. func.: lgdogf

$$- \frac{-3 x^{4} - 6 x - 1}{-3 x^{5} - 4 x^{3} + 3 x^{2} - x + 1}$$

Sequence: A001609
Score: 11.9382
Type of gen. func.: ogf

$$-f(x) x^{3} - f(x) x - 3 x^{2} + f(x) - 1$$

Sequence: A001609
Score: 16.3237
Type of gen. func.: ogf

$$- \frac{3 x^{2} + 1}{x^{3} + x - 1}$$

Sequence: A001609
Score: 23.0856
Type of gen. func.: lgdogf

$$- \frac{3 x^{4} + 6 x + 1}{(3 x^{2} + 1) (x^{3} + x - 1)}$$

Sequence: A001609
Score: 8.50916
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n), a(0) = 1, a(1) = 1, a(2) = 4\}$$

Sequence: A001610
Score: 15.1069
Type of gen. func.: ogf

$$-\frac{x (x - 2)}{(-1 + x) (x^2 + x - 1)}$$

Sequence: A001610
Score: 18.7027
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 6 x^2 + 3}{(x - 2) (-1 + x) (x^2 + x - 1)}$$

Sequence: A001610
Score: 7.95956
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 0, a(1) = 2, a(2) = 3\}$$

Sequence: A001610
Score: 8.13449
Type of gen. func.: ogf

$$(20 f(x) + 39) (f(x) x^3 - 2 f(x) x + x^2 + f(x) - 2 x)$$

Sequence: A001610
Score: 9.73999
Type of gen. func.: lgdogf

$$-\frac{-2 x^3 + 6 x^2 - 3}{-x^4 + 2 x^3 + 2 x^2 - 5 x + 2}$$

Sequence: A001611

Score: 12.3601
Type of gen. func.: ogf

$$-f(x)\, x^3 + 2\, f(x)\, x - 2\, x^2 - f(x) + 1$$

Sequence: A001611
Score: 14.4761
Type of gen. func.: ogf

$$-\frac{2\, x^2 - 1}{(-1 + x)\, (x^2 + x - 1)}$$

Sequence: A001611
Score: 15.4395
Type of gen. func.: lgdogf

$$-\frac{2\, x^4 + x^2 - 4\, x + 2}{(-1 + x)\, (2\, x^2 - 1)\, (x^2 + x - 1)}$$

Sequence: A001611
Score: 7.54606
Type of gen. func.: ogf

$$\{a(n + 3) - 2\, a(n + 2) + a(n),\ a(0) = 1,\ a(1) = 2,\ a(2) = 2\}$$

Sequence: A001611
Score: 8.86662
Type of gen. func.: lgdogf

$$-\frac{-2\, x^4 - x^2 + 4\, x - 2}{-2\, x^5 + 5\, x^3 - 2\, x^2 - 2\, x + 1}$$

Sequence: A001612
Score: 16.8138
Type of gen. func.: ogf

$$-\frac{4 x - 3}{(-1 + x) (x^2 + x - 1)}$$

Sequence: A001612
Score: 18.0992
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 9 x^2 + 2}{(-1 + x) (4 x - 3) (x^2 + x - 1)}$$

Sequence: A001612
Score: 8.04914
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 3, a(1) = 2, a(2) = 4\}$$

Sequence: A001612
Score: 8.40687
Type of gen. func.: ogf

$$-(5 f(x) + 33) (f(x) x^3 - 2 f(x) x + f(x) + 4 x - 3)$$

Sequence: A001612
Score: 9.82622
Type of gen. func.: lgdogf

$$-\frac{-8 x^3 + 9 x^2 - 2}{-4 x^4 + 3 x^3 + 8 x^2 - 10 x + 3}$$

Sequence: A001621
Score: 15.6406
Type of gen. func.: lgdogf

$$-\frac{-3 x^2 - 6 x - 6}{}$$

$$-x^3 + 1$$

Sequence: A001621
Score: 25.8813
Type of gen. func.: lgdogf

$$-\frac{3 (x^2 + 2 x + 2)}{(-1 + x) (x^2 + x + 1)}$$

Sequence: A001621
Score: 32.3018
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^2 + 6]$$

Sequence: A001621
Score: 4.92915
Type of gen. func.: ogf

{(-3 - n) a(n + 4) + 6 a(n + 3) + 6 a(n + 2) + (n + 3) a(n + 1), a(0) = 0,

a(1) = 2, a(2) = 12, a(3) = 42}

Sequence: A001621
Score: 9.79892
Type of gen. func.: ogf

$$-\frac{2 x (x^2 + x + 1)}{(-1 + x)^5}$$

Sequence: A001628
Score: 16.7502
Type of gen. func.: lgdogf

$$-\frac{-6 x - 3}{-x^2 - x + 1}$$

Sequence: A001628
Score: 17.8669
Type of gen. func.: ogf

$$-\frac{1}{(x^2 + x - 1)^3}$$

Sequence: A001628
Score: 39.4952
Type of gen. func.: lgdogf

$$-\frac{3 (1 + 2 x)}{x^2 + x - 1}$$

Sequence: A001628
Score: 5.36007
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-5 - n) a(n + 2) + (-7 - n) a(n + 1), a(0) = 1, a(1) = 3,

a(2) = 9}

Sequence: A001629
Score: 15.4426
Type of gen. func.: ogf

$$\frac{x^2}{(x^2 + x - 1)^2}$$

Sequence: A001629
Score: 17.0512
Type of gen. func.: lgdogf

$$-\frac{-4 x - 2}{-x^2 - x + 1}$$

Sequence: A001629
Score: 40.5591
Type of gen. func.: lgdogf

$$-\frac{2 (1 + 2 x)}{x^2 + x - 1}$$

Sequence: A001629
Score: 5.53012
Type of gen. func.: ogf

$\{(-1 - n) a(n + 3) + (n + 2) a(n + 2) + (n + 3) a(n + 1), a(0) = 0, a(1) = 0,$

$a(2) = 1\}$

Sequence: A001629
Score: 6.54766
Type of gen. func.: ogf

$$-(f(x) + 1) (f(x) x^4 + 2 f(x) x^3 - f(x) x^2 - 2 f(x) x - x^2 + f(x))$$

Sequence: A001630
Score: 11.1660
Type of gen. func.: ogf

$$-\frac{x^2 (1 + x)}{x^4 + x^3 + x^2 + x - 1}$$

Sequence: A001630
Score: 15.2658
Type of gen. func.: lgdogf

$$-\frac{3 x^4 + 6 x^3 + 4 x^2 + 2 x + 2}{(1 + x) (x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A001630
Score: 6.36741
Type of gen. func.: ogf

$$f(x)\,(f(x)\,x^4 + f(x)\,x^3 + f(x)\,x^2 + x^3 + f(x)\,x + x^2 - f(x))$$

Sequence: A001630
Score: 8.37453
Type of gen. func.: lgdogf

$$-\frac{3\,x^4 + 6\,x^3 + 4\,x^2 + 2\,x + 2}{x^5 + 2\,x^4 + 2\,x^3 + 2\,x^2 - 1}$$

Sequence: A001631
Score: 11.5454
Type of gen. func.: ogf

$$\frac{(-1 + x)\,x^2}{x^4 + x^3 + x^2 + x - 1}$$

Sequence: A001631
Score: 11.7152
Type of gen. func.: lgdogf

$$-\frac{3\,x^4 - 2\,x^3 - 2\,x^2 - 2\,x}{x^5 - 2\,x + 1}$$

Sequence: A001631
Score: 16.5207
Type of gen. func.: lgdogf

$$-\frac{x\,(3\,x^3 - 2\,x^2 - 2\,x - 2)}{(-1 + x)\,(x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A001631
Score: 6.17544
Type of gen. func.: ogf

$$(f(x) + 5) (f(x) x^4 + f(x) x^3 + f(x) x^2 - x^3 + f(x) x + x^2 - f(x))$$

Sequence: A001633
Score: 13.5938
Type of gen. func.: ogf

$$- \frac{x (90 x^{10} - 90 x^9 - 1)}{(-1 + x)^2}$$

Sequence: A001633
Score: 14.5919
Type of gen. func.: lgdogf

$$\frac{2 (360 x^{10} - 765 x^9 + 405 x^8 + 1)}{(-1 + x) (90 x^{10} - 90 x^9 - 1)}$$

Sequence: A001633
Score: 8.46145
Type of gen. func.: lgdogf

$$- \frac{-720 x^{10} + 1530 x^9 - 810 x^8 - 2}{90 x^{11} - 180 x^{10} + 90 x^9 - x + 1}$$

Sequence: A001634
Score: 11.5380
Type of gen. func.: ogf

$$- \frac{x (4 x^2 + 3 x + 2)}{(1 + x) (x^3 + x - 1)}$$

Sequence: A001634
Score: 12.0755
Type of gen. func.: lgdogf

$$-\frac{8 x^5 + 13 x^4 + 14 x^3 + 9 x^2 + 12 x + 3}{(1 + x) (4 x^2 + 3 x + 2) (x^3 + x - 1)}$$

Sequence: A001634
Score: 6.47255
Type of gen. func.: ogf

$$(10323 f(x) + 19588) (f(x) x^4 + f(x) x^3 + f(x) x^2 + 4 x^3 + 3 x^2 - f(x) + 2 x)$$

Sequence: A001635
Score: 8.63441
Type of gen. func.: lgdogf

$$-\frac{10 x^7 + 17 x^6 + 20 x^5 + 18 x^4 + 14 x^3 + 24 x^2 + 12 x + 3}{(x^5 + x^4 + x^3 + x^2 - 1) (5 x^3 + 4 x^2 + 3 x + 2)}$$

Sequence: A001635
Score: 9.37409
Type of gen. func.: ogf

$$-\frac{x (5 x^3 + 4 x^2 + 3 x + 2)}{x^5 + x^4 + x^3 + x^2 - 1}$$

Sequence: A001636
Score: 6.96406
Type of gen. func.: lgdogf

$$-\frac{12 x^9 + 21 x^8 + 26 x^7 + 26 x^6 + 20 x^5 + 18 x^4 + 38 x^3 + 24 x^2 + 12 x + 3}{(1 + x) (6 x^4 + 5 x^3 + 4 x^2 + 3 x + 2) (x^5 + x^3 + x - 1)}$$

Sequence: A001636
Score: 7.76240
Type of gen. func.: ogf

$$-\frac{x\,(6\,x^4+5\,x^3+4\,x^2+3\,x+2)}{(1+x)\,(x^5+x^3+x-1)}$$

Sequence: A001637
Score: 10.3408
Type of gen. func.: lgdogf

$$-\frac{81000000\,x^{87}+5890500000\,x^{86}-31599\,x^2+30521\,x+9900}{5719500000\,x^{87}-5355000000\,x^{86}-31599\,x^3+58609\,x^2-18010\,x-9000}$$

Sequence: A001637
Score: 11.3245
Type of gen. func.: ogf

$$-\frac{900\,x^{88}+99000\,x^{87}-27\,x^2+21\,x+10}{10800\,x^{88}-9900\,x^{87}-3\,x^3+5\,x^2-x-1}$$

Sequence: A001638
Score: 12.3863
Type of gen. func.: lgdogf

$$-\frac{x^6+9\,x^4-12\,x^3-9\,x^2-1}{(-1+x)\,(x^2+1)\,(x^2+x+4)\,(x^2+x-1)}$$

Sequence: A001638
Score: 13.0327
Type of gen. func.: ogf

2

$$\frac{(-1 + x) (x + x + 4)}{(x^2 + 1) (x^2 + x - 1)}$$

Sequence: A001638
Score: 7.03534
Type of gen. func.: ogf

$$(11 f(x) - 37) (f(x) x^4 + f(x) x^3 - x^3 + f(x) x - f(x) - 3 x + 4)$$

Sequence: A001639
Score: 8.39931
Type of gen. func.: lgdogf

$$- \frac{5 x^8 + 8 x^7 + 8 x^6 + 6 x^5 - 7 x^4 + 16 x^3 + 12 x^2 + 6 x + 1}{(5 x^4 + 4 x^3 + 3 x^2 + 1) (x^5 + x^4 + x^3 + x - 1)}$$

Sequence: A001639
Score: 9.71828
Type of gen. func.: ogf

$$- \frac{5 x^4 + 4 x^3 + 3 x^2 + 1}{x^5 + x^4 + x^3 + x - 1}$$

Sequence: A001640
Score: 6.64531
Type of gen. func.: lgdogf

$$- (6 x^{10} + 10 x^9 + 11 x^8 + 8 x^7 + 8 x^6 - 12 x^5 + 23 x^4 + 16 x^3 + 12 x^2 + 6 x + 1) / ((6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x - 1))$$

Sequence: A001640
Score: 8.30139
Type of gen. func.: ogf

$$-\frac{6x^5+5x^4+4x^3+3x^2+1}{x^6+x^5+x^4+x^3+x-1}$$

Sequence: A001641
Score: 11.2180
Type of gen. func.: lgdogf

$$-\frac{4x^6+2x^4-4x^3+14x^2+2x+3}{(1+x)(4x^3+2x+1)(x^3-x^2+2x-1)}$$

Sequence: A001641
Score: 12.9242
Type of gen. func.: ogf

$$-\frac{4x^3+2x+1}{(1+x)(x^3-x^2+2x-1)}$$

Sequence: A001641
Score: 6.46208
Type of gen. func.: ogf

$$-(5175\, f(x) - 77216)\,(f(x)\, x^4 + f(x)\, x^2 + 4x^3 + f(x)\, x - f(x) + 2x + 1)$$

Sequence: A001642
Score: 10.1120
Type of gen. func.: ogf

$$-\frac{(1+x)(5x^3-x^2+x+1)}{x^5+x^4+x^2+x-1}$$

Sequence: A001642
Score: 8.30870
Type of gen. func.: lgdogf

$$-\frac{5x^8+8x^7+4x^6-2x^5-8x^4+16x^3+14x^2+2x+3}{(1+x)(5x^3-x^2+x+1)(x^5+x^4+x^2+x-1)}$$

Sequence: A001643
Score: 6.20053
Type of gen. func.: lgdogf

$$-(6x^{10}+10x^9+11x^8+8x^7-4x^6-20x^5+22x^4+16x^3+14x^2+2x+3) \Big/ \left((1+x)(x^2-x+1)(x^3+x^2+x-1)(6x^5+5x^4+4x^3+2x+1)\right)$$

Sequence: A001643
Score: 8.48697
Type of gen. func.: ogf

$$-\frac{6x^5+5x^4+4x^3+2x+1}{(1+x)(x^2-x+1)(x^3+x^2+x-1)}$$

Sequence: A001644
Score: 13.1591
Type of gen. func.: ogf

$$\frac{(x+3)(-1+x)}{x^3+x^2+x-1}$$

Sequence: A001644
Score: 15.1610
Type of gen. func.: lgdogf

$$-\frac{x^4+4x^3-8x^2-4x-1}{(-1+x)(x+3)(x^3+x^2+x-1)}$$

Sequence: A001644
Score: 7.10361
Type of gen. func.: ogf

$$(11 f(x) - 31) (f(x) x^{3} + f(x) x^{2} + f(x) x - x^{2} - f(x) - 2 x + 3)$$

Sequence: A001644
Score: 7.16704
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) - a(n), a(0) = 3, a(1) = 1, a(2) = 3\}$$

Sequence: A001644
Score: 9.12168
Type of gen. func.: lgdogf

$$- \frac{x^{4} + 4 x^{3} - 8 x^{2} - 4 x - 1}{x^{5} + 3 x^{4} - 2 x^{2} - 5 x + 3}$$

Sequence: A001645
Score: 10.0295
Type of gen. func.: ogf

$$- \frac{5 x^{4} + 3 x^{2} + 2 x + 1}{x^{5} + x^{3} + x^{2} + x - 1}$$

Sequence: A001645
Score: 9.13455
Type of gen. func.: lgdogf

$$- \frac{5 x^{8} + 4 x^{6} - 2 x^{5} - 7 x^{4} + 24 x^{3} + 2 x^{2} + 8 x + 3}{(x^{5} + x^{3} + x^{2} + x - 1) (5 x^{4} + 3 x^{2} + 2 x + 1)}$$

Sequence: A001648
Score: 10.1669
Type of gen. func.: ogf

$$-\frac{4 x^{3} + 3 x^{2} + 2 x + 1}{x^{4} + x^{3} + x^{2} + x - 1}$$

Sequence: A001648
Score: 10.8274
Type of gen. func.: lgdogf

$$-\frac{4 x^{6} + 6 x^{5} + 5 x^{4} + 14 x^{2} + 8 x + 3}{(4 x^{3} + 3 x^{2} + 2 x + 1) (x^{4} + x^{3} + x^{2} + x - 1)}$$

Sequence: A001648
Score: 5.25404
Type of gen. func.: ogf

$$-(54611 f(x) + 79606)$$

$$(f(x) x^{4} + f(x) x^{3} + f(x) x^{2} + 4 x^{3} + f(x) x + 3 x^{2} - f(x) + 2 x + 1)$$

Sequence: A001649
Score: 7.38540
Type of gen. func.: lgdogf

$$-\frac{6 x^{10} + 6 x^{8} - 4 x^{6} - 12 x^{5} + 35 x^{4} + 14 x^{2} + 8 x + 3}{(1 + x) (x^{5} - x^{4} + 2 x^{3} - x^{2} + 2 x - 1) (6 x^{5} + 4 x^{3} + 3 x^{2} + 2 x + 1)}$$

Sequence: A001649
Score: 8.56943
Type of gen. func.: ogf

$$-\frac{6 x^{5} + 4 x^{3} + 3 x^{2} + 2 x + 1}{(1 + x) (x^{5} - x^{4} + 2 x^{3} - x^{2} + 2 x - 1)}$$

Sequence: A001650
Score: 13.9250
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^3 + 2x^2 + 3}{-x^3 - x^2 - x - 1}$$

Sequence: A001651
Score: 12.4505
Type of gen. func.: lgdogf

$$-\frac{x^3 + 3x^2 + 6x + 2}{x^4 + x^3 - x - 1}$$

Sequence: A001651
Score: 14.6956
Type of gen. func.: ogf

$$\frac{x^2 + x + 1}{(1 + x)(-1 + x)^2}$$

Sequence: A001651
Score: 21.4497
Type of gen. func.: lgdogf

$$-\frac{x^3 + 3x^2 + 6x + 2}{(-1 + x)(1 + x)(x^2 + x + 1)}$$

Sequence: A001651
Score: 35.7359
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + x + 2$$

Sequence: A001651
Score: 8.00386
Type of gen. func.: ogf

$$(5 f(x) + 43) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - x - 1)$$

Sequence: A001651
Score: 8.00388
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A001652
Score: 10.2018
Type of gen. func.: ogf

$$\frac{x (x - 3)}{(-1 + x) (x^2 - 6 x + 1)}$$

Sequence: A001652
Score: 11.9244
Type of gen. func.: lgdogf

$$- \frac{2 (x^3 - 8 x^2 + 21 x - 10)}{(-1 + x) (x - 3) (x^2 - 6 x + 1)}$$

Sequence: A001652
Score: 5.19199
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) - 7 a(n + 1) + a(n), a(0) = 0, a(1) = 3, a(2) = 20\}$$

Sequence: A001652
Score: 5.64567
Type of gen. func.: ogf

$$-f(x)\,(f(x)\,x^3 - 7\,f(x)\,x^2 + 7\,f(x)\,x - x^2 - f(x) + 3\,x)$$

Sequence: A001652
Score: 6.76166
Type of gen. func.: lgdogf

$$-\frac{2\,x^3 - 16\,x^2 + 42\,x - 20}{x^4 - 10\,x^3 + 28\,x^2 - 22\,x + 3}$$

Sequence: A001653
Score: 11.2682
Type of gen. func.: lgdogf

$$-\frac{-x^2 + 2\,x - 5}{-x^3 + 7\,x^2 - 7\,x + 1}$$

Sequence: A001653
Score: 16.0258
Type of gen. func.: ogf

$$-\frac{-1 + x}{x^2 - 6\,x + 1}$$

Sequence: A001653
Score: 17.7155
Type of gen. func.: revogf

$$-\frac{-6\,x - 1 + (32\,x^2 + 8\,x + 1)^{1/2}}{2\,(1 + x)}$$

Sequence: A001653
Score: 22.8587
Type of gen. func.: lgdogf

$$-\frac{x^{2} - 2 x + 5}{(-1 + x) (x^{2} - 6 x + 1)}$$

Sequence: A001653
Score: 8.01293
Type of gen. func.: ogf

$$-(28 f(x) - 3) (f(x) x^{2} - 6 f(x) x + f(x) + x - 1)$$

Sequence: A001653
Score: 8.79467
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A001654
Score: 10.6807
Type of gen. func.: lgdogf

$$-\frac{-3 x^{2} + 4 x + 2}{-x^{3} + 2 x^{2} + 2 x - 1}$$

Sequence: A001654
Score: 15.1903
Type of gen. func.: ogf

$$\frac{x}{(1 + x) (x^{2} - 3 x + 1)}$$

Sequence: A001654
Score: 20.4079
Type of gen. func.: lgdogf

$$-\frac{3 x^{2} - 4 x - 2}{}$$

$$(1 + x) (x^2 - 3 x + 1)$$

Sequence: A001654
Score: 6.15822
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A001654
Score: 6.63652
Type of gen. func.: ogf

$$-(2 f(x) + 1) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + f(x) - x)$$

Sequence: A001655
Score: 16.2375
Type of gen. func.: ogf

$$\frac{1}{(x^2 + 4 x - 1) (x^2 - x - 1)}$$

Sequence: A001655
Score: 16.3139
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 9 x^2 - 12 x - 3}{(x^2 + 4 x - 1) (x^2 - x - 1)}$$

Sequence: A001655
Score: 5.94053
Type of gen. func.: ogf

$$-(187 f(x) + 2) (f(x) x^4 + 3 f(x) x^3 - 6 f(x) x^2 - 3 f(x) x + f(x) - 1)$$

Sequence: A001655
Score: 9.02081
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 9 x^2 - 12 x - 3}{x^4 + 3 x^3 - 6 x^2 - 3 x + 1}$$

Sequence: A001656
Score: 10.3489
Type of gen. func.: ogf

$$-\frac{1}{(-1 + x) (x^2 + 3 x + 1) (x^2 - 7 x + 1)}$$

Sequence: A001656
Score: 9.77554
Type of gen. func.: lgdogf

$$-\frac{5 (x^4 - 4 x^3 - 9 x^2 + 6 x + 1)}{(-1 + x) (x^2 + 3 x + 1) (x^2 - 7 x + 1)}$$

Sequence: A001657
Score: 10.8595
Type of gen. func.: ogf

$$-\frac{1}{(x^2 + x - 1) (x^2 + 11 x - 1) (x^2 - 4 x - 1)}$$

Sequence: A001657
Score: 9.35653
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^5 + 20 x^4 - 80 x^3 - 90 x^2 + 40 x + 4)}{(x^2 + x - 1) (x^2 + 11 x - 1) (x^2 - 4 x - 1)}$$

Sequence: A001658
Score: 7.59855
Type of gen. func.: lgdogf

$$-\frac{7 x^{6} - 78 x^{5} - 520 x^{4} + 1040 x^{3} + 780 x^{2} - 208 x - 13}{(1 + x) (x^{2} + 7 x + 1) (x^{2} - 3 x + 1) (x^{2} - 18 x + 1)}$$

Sequence: A001658
Score: 8.65594
Type of gen. func.: ogf

$$\frac{1}{(1 + x) (x^{2} + 7 x + 1) (x^{2} - 3 x + 1) (x^{2} - 18 x + 1)}$$

Sequence: A001662
Score: 16.9250
Type of gen. func.: revegf]

$$x/2 + 1/4 \ln(1 + 2 x)$$

Sequence: A001670
Score: 13.2586
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{2} - x - 1}{x^{2} + 1}$$

Sequence: A001680
Score: 23.5194
Type of gen. func.: lgdegf]

$$1 + x + 1/2 x^{2}$$

Sequence: A001680
Score: 28.4457

Type of gen. func.: lgdegf]

$$(-x^2 - 2 x - 2) f(x) + 2 f(x)^2$$

Sequence: A001680
Score: 4.37570
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) + (2 n + 6) a(n + 2) - 2 a(n + 4) + 2 a(n + 3),$$
$$a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 5\}$$

Sequence: A001681
Score: 13.1792
Type of gen. func.: lgdegf]

$$-6 - 6 x - x^3 - 3 x^2 + (-2 x^3 - 6 x^2 - 12 x - 6) f(x) + 12 f(x)^2$$

Sequence: A001681
Score: 16.1675
Type of gen. func.: lgdegf]

$$1 + x + 1/2 x^2 + 1/6 x^3$$

Sequence: A001682
Score: 6.77594
Type of gen. func.: ogf

$$\frac{x (2 x^7 + 21 x^6 + 21 x^5 + 23 x^4 + 21 x^3 + 23 x^2 + 21 x + 21)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (-1 + x)^2}$$

Sequence: A001687
Score: 14.5200
Type of gen. func.: lgdogf

$$- \frac{5 x^4 + 2 x}{}$$

$$x^5 + x^2 - 1$$

Sequence: A001687
Score: 19.8322
Type of gen. func.: ogf

$$-\frac{x}{x^5 + x^2 - 1}$$

Sequence: A001687
Score: 32.3638
Type of gen. func.: lgdogf

$$-\frac{x\,(5\,x^3 + 2)}{x^5 + x^2 - 1}$$

Sequence: A001687
Score: 8.55917
Type of gen. func.: ogf

$$(2\,f(x)^2 + 6\,f(x) + 1)\,(f(x)\,x^5 + f(x)\,x^2 - f(x) + x)$$

Sequence: A001688
Score: 6.60269
Type of gen. func.: lgdegf]

$$-\frac{-x^4 - 4\,x^3 - 18\,x^2 - 44\,x - 53}{-x^5 + x^4 - 6\,x^3 - 2\,x^2 - x + 9}$$

Sequence: A001688
Score: 7.51340
Type of gen. func.: egf]

$$-\frac{x^4 + 6\,x^2 + 8\,x + 9}{}$$

$$(-1 + x)^5$$

Sequence: A001689
Score: 5.88779
Type of gen. func.: egf]

$$\frac{x^5 + 10 x^3 + 20 x^2 + 45 x + 44}{(-1 + x)^6}$$

Sequence: A001700
Score: 14.2229
Type of gen. func.: revogf

$$- \frac{x^2 + x}{-4 x^2 - 4 x - 1}$$

Sequence: A001700
Score: 35.8933
Type of gen. func.: revogf

$$\frac{x (1 + x)}{(1 + 2 x)^2}$$

Sequence: A001700
Score: 7.04370
Type of gen. func.: ogf

$$\{(-4 n - 10) a(n + 1) + (n + 3) a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A001700
Score: 9.60504
Type of gen. func.: ogf

$$4 f(x)^2 x^2 - f(x)^2 x + 4 f(x) x - f(x) + 1$$

```
------------------------------------------------------------------------------

Sequence:  A001701
Score: 14.3212
Type of gen. func.: lgdogf


                                3      2
                             2 x  - 9 x  + 16 x + 6
                   ------------------------------------------
                              5      4      3      2
                   (-1 + x) (x  - 5 x  + 9 x  - 6 x  - x - 1)


------------------------------------------------------------------------------

Sequence:  A001701
Score: 7.78951
Type of gen. func.: ogf


                         5      4      3      2
                        x  - 5 x  + 9 x  - 6 x  - x - 1
                        -------------------------------
                                                   5
                                   (-1 + x)


------------------------------------------------------------------------------

Sequence:  A001701
Score: 8.44547
Type of gen. func.: lgdogf


                                 3      2
                             -2 x  + 9 x  - 16 x - 6
                     - ------------------------------------
                        6      5       4       3      2
                       x  - 6 x  + 14 x  - 15 x  + 5 x  + 1


------------------------------------------------------------------------------

Sequence:  A001702
Score: 5.48128
Type of gen. func.: ogf


               7      6       5       4       3      2
              x  - 7 x  + 21 x  - 34 x  + 29 x  - 7 x  - 17 x - 1
              ---------------------------------------------------
                                                   7
                                   (-1 + x)


------------------------------------------------------------------------------

Sequence:  A001702
Score: 8.92938
Type of gen. func.: lgdogf


                           4       3       2
                        3 x  - 20 x  + 52 x  - 116 x - 24
        - --------------------------------------------------------------
```

$$(-1 + x)\,(x^7 - 7 x^6 + 21 x^5 - 34 x^4 + 29 x^3 - 7 x^2 - 17 x - 1)$$

Sequence: A001703
Score: 10.1802
Type of gen. func.: ogf

$$-\frac{3\,(24000 x^{10} - 24660 x^9 - 2670 x^8 - 33 x - 4)}{(-1 + x)^2}$$

Sequence: A001703
Score: 8.56273
Type of gen. func.: lgdogf

$$\frac{2\,(84000 x^9 - 181980 x^8 + 91965 x^7 + 9345 x^6 - 2 x + 39)}{(-1 + x)\,(24000 x^9 - 24660 x^8 - 2670 x^7 + 4 x - 41)}$$

Sequence: A001704
Score: 12.1698
Type of gen. func.: ogf

$$-\frac{720 x^9 - 810 x^8 + x - 12}{(-1 + x)^2}$$

Sequence: A001704
Score: 12.3122
Type of gen. func.: lgdogf

$$\frac{5040 x^9 - 11340 x^8 + 6480 x^7 - x + 23}{(-1 + x)\,(720 x^9 - 810 x^8 + x - 12)}$$

Sequence: A001705
Score: 5.21750
Type of gen. func.: ogf

$$\{(n^2 + 6 n + 9) a(n + 1) + (-2 n - 7) a(n + 2) + a(n + 3), a(0) = 0, a(1) = 1, a(2) = 5\}$$

Sequence: A001706
Score: 3.23371
Type of gen. func.: ogf

$$\{(-n^3 - 15 n^2 - 75 n - 125) a(n + 1) + (3 n^2 + 33 n + 91) a(n + 2) + (-3 n - 18) a(n + 3) + a(n + 4), a(0) = 1, a(1) = 9, a(2) = 71, a(3) = 580\}$$

Sequence: A001710
Score: 13.9602
Type of gen. func.: egf]

$$\frac{x^2 - 2}{2 (-1 + x)}$$

Sequence: A001710
Score: 14.7816
Type of gen. func.: egf]

$$2 f(x) x - x^2 - 2 f(x) + 2$$

Sequence: A001710
Score: 21.5458
Type of gen. func.: lgdegf]

$$\frac{x^2 - 2 x + 2}{(-1 + x) (x^2 - 2)}$$

Sequence: A001710
Score: 8.94328
Type of gen. func.: lgdegf]

$$-\frac{x^2 - 2 x + 2}{-x^3 + x^2 + 2 x - 2}$$

Sequence: A001711
Score: 4.65775
Type of gen. func.: ogf

$$\{(-n^2 - 10 n - 25) a(n + 1) + (2 n + 11) a(n + 2) - a(n + 3), a(0) = 1,$$
$$a(1) = 7, a(2) = 47\}$$

Sequence: A001712
Score: 3.01167
Type of gen. func.: ogf

$$\{(-n^3 - 18 n^2 - 108 n - 216) a(n + 1) + (3 n^2 + 39 n + 127) a(n + 2)$$
$$+ (-3 n - 21) a(n + 3) + a(n + 4), a(0) = 1, a(1) = 12, a(2) = 119,$$
$$a(3) = 1175\}$$

Sequence: A001715
Score: 14.7255
Type of gen. func.: egf]

$$\frac{1}{(-1 + x)^4}$$

Sequence: A001715
Score: 22.1679
Type of gen. func.: revegf]

$$\frac{-1 + (1 + 3 x)^{(1/3)}}{(1 + 3 x)^{1/3}}$$

Sequence: A001715

Score: 25.7697
Type of gen. func.: lgdegf]

$$\frac{4}{-x + 1}$$

Sequence: A001715
Score: 5.96324
Type of gen. func.: egf]

$$-(f(x) + 1) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + f(x) - 1)$$

Sequence: A001715
Score: 78.8192
Type of gen. func.: lgdegf]

$$- \frac{4}{-1 + x}$$

Sequence: A001715
Score: 8.19944
Type of gen. func.: ogf

$$\{(-5 - n) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A001716
Score: 4.82190
Type of gen. func.: ogf

$$\{(-n^2 - 12 n - 36) a(n + 1) + (2 n + 13) a(n + 2) - a(n + 3), a(0) = 1,$$
$$a(1) = 9, a(2) = 74\}$$

Sequence: A001717
Score: 3.10578
Type of gen. func.: ogf

$$\{(-n^3 - 21 n^2 - 147 n - 343) a(n + 1) + (3 n^2 + 45 n + 169) a(n + 2)$$
$$+ (-3 n - 24) a(n + 3) + a(n + 4), a(0) = 1, a(1) = 15, a(2) = 179,$$

a(3) = 2070}

Sequence: A001720
Score: 11.4752
Type of gen. func.: egf]

$$-\frac{1}{(-1 + x)^{5}}$$

Sequence: A001720
Score: 16.0777
Type of gen. func.: revegf]

$$\frac{-1 + (4 x + 1)^{(1/4)}}{(4 x + 1)^{1/4}}$$

Sequence: A001720
Score: 24.1798
Type of gen. func.: lgdegf]

$$\frac{5}{-x + 1}$$

Sequence: A001720
Score: 57.1651
Type of gen. func.: lgdegf]

$$-\frac{5}{-1 + x}$$

Sequence: A001720
Score: 7.69358
Type of gen. func.: ogf

{(-n - 6) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 5}

Sequence: A001721
Score: 4.47634
Type of gen. func.: ogf

```
    2
{(-n  - 14 n - 49) a(n + 1) + (2 n + 15) a(n + 2) - a(n + 3), a(0) = 1,

    a(1) = 11, a(2) = 107}
```

Sequence: A001722
Score: 3.21334
Type of gen. func.: ogf

```
    3       2                               2
{(-n  - 24 n  - 192 n - 512) a(n + 1) + (3 n  + 51 n + 217) a(n + 2)

     + (-3 n - 27) a(n + 3) + a(n + 4), a(0) = 1, a(1) = 18, a(2) = 251,

    a(3) = 3325}
```

Sequence: A001725
Score: 10.6629
Type of gen. func.: revegf]

```
                                            (1/5)
                              -1 + (1 + 5 x)
                              -------------------
                                          1/5
                                 (1 + 5 x)
```

Sequence: A001725
Score: 10.8595
Type of gen. func.: egf]

```
                                       1
                                   ---------
                                           6
                                   (-1 + x)
```

Sequence: A001725
Score: 24.8218
Type of gen. func.: lgdegf]

```
                                       6
                                     ------
                                     -x + 1
```

Sequence: A001725
Score: 37.9127
Type of gen. func.: lgdegf]

$$-\frac{6}{-1 + x}$$

Sequence: A001725
Score: 7.89783
Type of gen. func.: ogf

$$\{(-7 - n)\ a(n + 1) + a(n + 2),\ a(0) = 1,\ a(1) = 6\}$$

Sequence: A001730
Score: 16.9809
Type of gen. func.: revegf]

$$\frac{-1 + (1 + 6\ x)^{(1/6)}}{(1 + 6\ x)^{1/6}}$$

Sequence: A001730
Score: 19.8197
Type of gen. func.: lgdegf]

$$\frac{7}{-x + 1}$$

Sequence: A001730
Score: 6.30626
Type of gen. func.: ogf

$$\{(-n - 8)\ a(n + 1) + a(n + 2),\ a(0) = 1,\ a(1) = 7\}$$

Sequence: A001730
Score: 60.3766
Type of gen. func.: lgdegf]

$$-\frac{7}{-1 + x}$$

Sequence: A001730
Score: 7.60207
Type of gen. func.: egf]

$$-\frac{1}{(-1 + x)^{7}}$$

Sequence: A001752
Score: 14.3189
Type of gen. func.: ogf

$$-\frac{1}{(1 + x)\,(-1 + x)^{5}}$$

Sequence: A001752
Score: 18.5495
Type of gen. func.: lgdogf

$$-\frac{-6\,x - 4}{-x^{2} + 1}$$

Sequence: A001752
Score: 31.2753
Type of gen. func.: lgdogf

$$-\frac{2\,(2 + 3\,x)}{(-1 + x)\,(1 + x)}$$

Sequence: A001752
Score: 38.6226
Type of gen. func.: ogf_with_Euler_transform]

[4 + x]

```
------------------------------------------------------------------------------

Sequence:  A001752
Score: 6.04578
Type of gen. func.: ogf


{(n + 3) a(n + 3) - 4 a(n + 2) + (-7 - n) a(n + 1), a(0) = 1, a(1) = 4,

    a(2) = 11}



------------------------------------------------------------------------------

Sequence:  A001753
Score: 13.9066
Type of gen. func.: lgdogf


                                     -7 x - 5
                                   - --------
                                       2
                                     -x  + 1



------------------------------------------------------------------------------

Sequence:  A001753
Score: 28.4716
Type of gen. func.: lgdogf


                                     7 x + 5
                               - ----------------
                                 (-1 + x) (1 + x)



------------------------------------------------------------------------------

Sequence:  A001753
Score: 28.8811
Type of gen. func.: ogf_with_Euler_transform]


                                    [5 + x]



------------------------------------------------------------------------------

Sequence:  A001753
Score: 4.53251
Type of gen. func.: ogf


{(n + 3) a(n + 3) - 5 a(n + 2) + (-n - 8) a(n + 1), a(0) = 1, a(1) = 5,

    a(2) = 16}



------------------------------------------------------------------------------

Sequence:  A001753
Score: 8.86796
Type of gen. func.: ogf
```

$$\frac{1}{(1 + x) (-1 + x)^{6}}$$

Sequence: A001754
Score: 12.7983
Type of gen. func.: egf]

$$\frac{x^{2}}{2 (-1 + x)^{4}}$$

Sequence: A001754
Score: 24.6824
Type of gen. func.: lgdegf]

$$\frac{4}{-x + 1}$$

Sequence: A001754
Score: 6.06233
Type of gen. func.: ogf

$$\{(-n^{2} - 5 n - 6) a(n + 1) + n a(n + 2), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A001754
Score: 6.91107
Type of gen. func.: egf]

$$-2 f(x) x^{4} + 8 f(x) x^{3} - 12 f(x) x^{2} + 8 f(x) x + x^{2} - 2 f(x)$$

Sequence: A001754
Score: 76.1130
Type of gen. func.: lgdegf]

$$- \frac{4}{-1 + x}$$

Sequence: A001755
Score: 13.9566
Type of gen. func.: lgdegf]

$$-\frac{20 (1 + x) (x^2 + 5 x + 1)}{(-1 + x) (4 x^3 + 18 x^2 + 12 x + 1)}$$

Sequence: A001755
Score: 6.11733
Type of gen. func.: egf]

$$\frac{4 x^3 + 18 x^2 + 12 x + 1}{(-1 + x)^8}$$

Sequence: A001755
Score: 6.17052
Type of gen. func.: ogf

$$\{(-n^2 - 11 n - 30) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 20\}$$

Sequence: A001755
Score: 8.06375
Type of gen. func.: lgdegf]

$$-\frac{20 x^3 + 120 x^2 + 120 x + 20}{4 x^4 + 14 x^3 - 6 x^2 - 11 x - 1}$$

Sequence: A001756
Score: 5.65616
Type of gen. func.: ogf

$$\{(-2 n^2 - 13 n - 15) a(n + 1) + (n + 2) a(n + 2), a(0) = 15, a(1) = 60\}$$

Sequence: A001756
Score: 7.62923
Type of gen. func.: lgdegf]

$$-\frac{-5 x^{3} + 12 x^{2} - 12 x + 8}{-10 x^{4} + 23 x^{3} - 21 x^{2} + 10 x - 2}$$

Sequence: A001757
Score: 3.53333
Type of gen. func.: ogf

$$\{(-4 n^{3} - 32 n^{2} - 84 n - 72) a(n + 1) + (-4 n - 14) a(n + 2) + (n + 5) a(n + 3)$$

$$, a(0) = 1, a(1) = 2, a(2) = 9\}$$

Sequence: A001761
Score: 14.0289
Type of gen. func.: egf]

$$-1 + f(x) - f(x)^{2} x$$

Sequence: A001761
Score: 17.0795
Type of gen. func.: lgdegf]

$$\frac{2}{(1 - 4 x)^{1/2} (1 + (1 - 4 x)^{1/2})}$$

Sequence: A001761
Score: 5.04547
Type of gen. func.: ogf

$$\{(4 n^{2} + 14 n + 12) a(n + 1) + (-3 - n) a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A001761
Score: 9.58640

Type of gen. func.: lgdegf]

$$\frac{2}{(1 - 4 x)^{1/2} (1 + (1 - 4 x)^{1/2})}$$

Sequence: A001762
Score: 2.90035
Type of gen. func.: ogf

$$\{(-162 n^4 - 810 n^3 - 684 n^2 - 144 n) a(n)$$
$$+ (27 n^4 + 294 n^3 + 981 n^2 + 1302 n + 600) a(n + 1)$$
$$+ (-4 n^3 - 30 n^2 - 74 n - 60) a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A001763
Score: 11.5116
Type of gen. func.: egf]

$$\mathrm{hypergeom}([1/3, 2/3], [3/2], \frac{27 x}{4})$$

Sequence: A001763
Score: 16.2848
Type of gen. func.: egf]

$$-1 + f(x) - x f(x)^3$$

Sequence: A001763
Score: 18.7461
Type of gen. func.: revegf]

$$1/27 + \frac{2 x}{3} - \frac{(-(6 x - 1)^3)^{1/2}}{27}$$

Sequence: A001763
Score: 5.75582

Type of gen. func.: ogf

$$\{(27 n^2 + 81 n + 60) a(n + 1) + (-4 n - 10) a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A001764
Score: 13.3195
Type of gen. func.: ogf

$$\mathrm{hypergeom}([1/3, 2/3], [3/2], \frac{27 x}{4})$$

Sequence: A001764
Score: 18.8422
Type of gen. func.: ogf

$$-1 + f(x) - x f(x)^3$$

Sequence: A001764
Score: 33.0285
Type of gen. func.: revogf

$$\frac{(1 + (1 - 4 x)^{1/2}) x}{2}$$

Sequence: A001764
Score: 6.18025
Type of gen. func.: ogf

$$\{(-27 n^2 - 81 n - 60) a(n + 1) + (4 n^2 + 18 n + 20) a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A001769
Score: 11.4665
Type of gen. func.: ogf

```
           1
- -----------------
                  7
```

```
                                (1 + x) (-1 + x)



-------------------------------------------------------------------------------

Sequence:  A001769
Score: 20.0663
Type of gen. func.: lgdogf


                                     -8 x - 6
                                   - --------
                                        2
                                     -x  + 1



-------------------------------------------------------------------------------

Sequence:  A001769
Score: 25.8296
Type of gen. func.: lgdogf


                                   2 (4 x + 3)
                               - ----------------
                                 (-1 + x) (1 + x)



-------------------------------------------------------------------------------

Sequence:  A001769
Score: 41.7457
Type of gen. func.: ogf_with_Euler_transform]


                                    [6 + x]



-------------------------------------------------------------------------------

Sequence:  A001769
Score: 6.54013
Type of gen. func.: ogf


{(n + 3) a(n + 3) - 6 a(n + 2) + (-9 - n) a(n + 1), a(0) = 1, a(1) = 6,

    a(2) = 22}



-------------------------------------------------------------------------------

Sequence:  A001777
Score: 10.0287
Type of gen. func.: lgdegf]


                             4       3       2
                        30 (x  + 10 x  + 20 x  + 10 x + 1)
                  - ------------------------------------------
                                 4       3       2
                    (-1 + x) (5 x  + 40 x  + 60 x  + 20 x + 1)



-------------------------------------------------------------------------------
```

Sequence: A001777
Score: 5.85614
Type of gen. func.: ogf

$$\{(-n^2 - 13 n - 42) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 30\}$$

Sequence: A001777
Score: 6.23570
Type of gen. func.: lgdegf]

$$-\frac{-30 x^4 - 300 x^3 - 600 x^2 - 300 x - 30}{-5 x^5 - 35 x^4 - 20 x^3 + 40 x^2 + 19 x + 1}$$

Sequence: A001778
Score: 5.44469
Type of gen. func.: ogf

$$\{(-n^2 - 15 n - 56) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 42\}$$

Sequence: A001778
Score: 7.59020
Type of gen. func.: lgdegf]

$$-\frac{42 (1 + x) (x^4 + 14 x^3 + 36 x^2 + 14 x + 1)}{(-1 + x) (6 x^5 + 75 x^4 + 200 x^3 + 150 x^2 + 30 x + 1)}$$

Sequence: A001779
Score: 12.6472
Type of gen. func.: lgdogf

$$-\frac{-9 x - 7}{-x^2 + 1}$$

Sequence: A001779
Score: 25.8642

Type of gen. func.: lgdogf

$$-\frac{7 + 9 x}{(-1 + x) (1 + x)}$$

Sequence: A001779
Score: 26.2098
Type of gen. func.: ogf_with_Euler_transform]

[7 + x]

Sequence: A001779
Score: 4.09174
Type of gen. func.: ogf

{(n + 3) a(n + 3) - 7 a(n + 2) + (-10 - n) a(n + 1), a(0) = 1, a(1) = 7,

a(2) = 29}

Sequence: A001779
Score: 5.85765
Type of gen. func.: ogf

$$\frac{1}{(1 + x) (-1 + x)^{8}}$$

Sequence: A001780
Score: 13.1066
Type of gen. func.: lgdogf

$$-\frac{-10 x - 8}{-x^{2} + 1}$$

Sequence: A001780
Score: 25.0639
Type of gen. func.: lgdogf

$$-\frac{2 (5 x + 4)}{(-1 + x) (1 + x)}$$

Sequence: A001780
Score: 27.7792
Type of gen. func.: ogf_with_Euler_transform]

```
                                    [8 + x]
```

Sequence: A001780
Score: 4.33676
Type of gen. func.: ogf

```
{(n + 3) a(n + 3) - 8 a(n + 2) + (-11 - n) a(n + 1), a(0) = 1, a(1) = 8,

    a(2) = 37}
```

Sequence: A001780
Score: 6.14374
Type of gen. func.: ogf

```
                                        1
                              - -----------------
                                                9
                                (1 + x) (-1 + x)
```

Sequence: A001781
Score: 13.1101
Type of gen. func.: lgdogf

```
                                    -11 x - 9
                                  - ---------
                                       2
                                     -x  + 1
```

Sequence: A001781
Score: 26.2169
Type of gen. func.: lgdogf

```
                                     9 + 11 x
                               - ----------------
                                 (-1 + x) (1 + x)
```

Sequence: A001781

```
Score: 27.7714
Type of gen. func.: ogf_with_Euler_transform]


                                    [9 + x]



------------------------------------------------------------------------------

Sequence:  A001781
Score: 4.33790
Type of gen. func.: ogf


{(n + 3) a(n + 3) - 9 a(n + 2) + (-12 - n) a(n + 1), a(0) = 1, a(1) = 9,

    a(2) = 46}



------------------------------------------------------------------------------

Sequence:  A001781
Score: 5.31491
Type of gen. func.: ogf


                                       1
                               ------------------
                                               10
                               (1 + x) (-1 + x)



------------------------------------------------------------------------------

Sequence:  A001786
Score: 11.8259
Type of gen. func.: lgdogf


                                    -12 x - 10
                                  - ----------
                                        2
                                     -x  + 1



------------------------------------------------------------------------------

Sequence:  A001786
Score: 23.0920
Type of gen. func.: lgdogf


                                   2 (5 + 6 x)
                               - ----------------
                                 (-1 + x) (1 + x)



------------------------------------------------------------------------------

Sequence:  A001786
Score: 24.4132
Type of gen. func.: ogf_with_Euler_transform]


                                    [10 + x]
```

```
------------------------------------------------------------------------------

Sequence:  A001786
Score: 3.94196
Type of gen. func.: ogf


{(n + 3) a(n + 3) - 10 a(n + 2) + (-13 - n) a(n + 1), a(0) = 1, a(1) = 10,

    a(2) = 56}



------------------------------------------------------------------------------

Sequence:  A001786
Score: 4.53326
Type of gen. func.: ogf


                                        1
                              - ------------------
                                                11
                                (1 + x) (-1 + x)



------------------------------------------------------------------------------

Sequence:  A001787
Score: 13.2755
Type of gen. func.: ogf


                                 2
                        -4 f(x) x  + 4 f(x) x - f(x) + x



------------------------------------------------------------------------------

Sequence:  A001787
Score: 23.7351
Type of gen. func.: ogf


                                       x
                                   ----------
                                            2
                                   (2 x - 1)



------------------------------------------------------------------------------

Sequence:  A001787
Score: 27.9735
Type of gen. func.: lgdogf


                                       4
                                    --------
                                    -2 x + 1



------------------------------------------------------------------------------

Sequence:  A001787
```

Score: 29.4278
Type of gen. func.: revogf

$$\frac{4x}{(1+(1+8x)^{1/2})^2}$$

Sequence: A001787
Score: 61.5308
Type of gen. func.: lgdogf

$$-\frac{4}{2x-1}$$

Sequence: A001787
Score: 9.66984
Type of gen. func.: ogf

$$\{a(n+2)-4a(n+1)+4a(n),\ a(0)=0,\ a(1)=1\}$$

Sequence: A001788
Score: 14.8313
Type of gen. func.: ogf

$$-\frac{x}{(2x-1)^3}$$

Sequence: A001788
Score: 22.2469
Type of gen. func.: lgdogf

$$\frac{6}{-2x+1}$$

Sequence: A001788
Score: 5.56173
Type of gen. func.: ogf

$$\{a(n+3)-6a(n+2)+12a(n+1)-8a(n),\ a(0)=0,\ a(1)=1,\ a(2)=6\}$$

Sequence: A001788
Score: 55.7297
Type of gen. func.: lgdogf

$$-\frac{6}{2x-1}$$

Sequence: A001788
Score: 7.98607
Type of gen. func.: ogf

$$8 f(x) x^3 - 12 f(x) x^2 + 6 f(x) x - f(x) + x$$

Sequence: A001789
Score: 12.7818
Type of gen. func.: ogf

$$\frac{1}{(2x-1)^4}$$

Sequence: A001789
Score: 23.7376
Type of gen. func.: lgdogf

$$\frac{8}{-2x+1}$$

Sequence: A001789
Score: 5.36009
Type of gen. func.: ogf

$$-(f(x) + 1) (16 f(x) x^4 - 32 f(x) x^3 + 24 f(x) x^2 - 8 f(x) x + f(x) - 1)$$

Sequence: A001789
Score: 59.2382
Type of gen. func.: lgdogf

$$-\frac{8}{2x-1}$$

Sequence: A001789
Score: 6.33002
Type of gen. func.: ogf

$$\{(-n-2)\,a(n+2)+(10+2n)\,a(n+1),\ a(0)=1,\ a(1)=8\}$$

Sequence: A001791
Score: 10.3774
Type of gen. func.: lgdogf

$$\frac{-\dfrac{6x-1}{(4x-1)^{1/2}}+I}{(4x-1)^{1/2}\,x}$$

Sequence: A001791
Score: 11.1814
Type of gen. func.: revogf

$$\frac{(x^2+6x+1)^{1/2}\,x+(x^2+6x+1)^{1/2}-1-4x+x^2}{8x^2}$$

Sequence: A001791
Score: 6.34654
Type of gen. func.: ogf

$$\{(-4n^2-14n-12)\,a(n+1)+(n^2+4n+3)\,a(n+2),\ a(0)=0,\ a(1)=1\}$$

Sequence: A001791
Score: 9.97312
Type of gen. func.: ogf

2 2 2

$$-4 f(x)\ x + f(x)\ x - 4 f(x) x + f(x) - x$$

Sequence: A001792
Score: 16.5345
Type of gen. func.: lgdogf

$$-\frac{-2 x + 3}{-2 x^{2} + 3 x - 1}$$

Sequence: A001792
Score: 17.6368
Type of gen. func.: ogf

$$-\frac{-1 + x}{(2 x - 1)^{2}}$$

Sequence: A001792
Score: 22.2798
Type of gen. func.: revogf

$$\frac{2 x}{(4 x + 1)^{1/2} (1 + (4 x + 1)^{1/2})}$$

Sequence: A001792
Score: 32.4913
Type of gen. func.: lgdogf

$$-\frac{2 x - 3}{(2 x - 1) (-1 + x)}$$

Sequence: A001792
Score: 9.3371
Type of gen. func.: ogf

$$(4 f(x) + 5) (4 f(x) x^{2} - 4 f(x) x + f(x) + x - 1)$$

Sequence: A001792
Score: 9.67871
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A001793
Score: 12.7117
Type of gen. func.: ogf

$$\frac{-1 + x}{(2 x - 1)^3}$$

Sequence: A001793
Score: 14.3007
Type of gen. func.: lgdogf

$$-\frac{-4 x + 5}{-2 x^2 + 3 x - 1}$$

Sequence: A001793
Score: 26.9242
Type of gen. func.: lgdogf

$$-\frac{-5 + 4 x}{(2 x - 1) (-1 + x)}$$

Sequence: A001793
Score: 6.02134
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 12 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 5, a(2) = 18\}$$

Sequence: A001793
Score: 6.47579
Type of gen. func.: ogf

```
               3             2
```

```
       (19 f(x) - 30) (8 f(x) x  - 12 f(x) x  + 6 f(x) x - f(x) - x + 1)
```

Sequence: A001794
Score: 10.1307
Type of gen. func.: ogf

```
                                  -1 + x
                              - ----------
                                        4
                                (2 x - 1)
```

Sequence: A001794
Score: 13.5075
Type of gen. func.: lgdogf

```
                                -6 x + 7
                           - ----------------
                                   2
                              -2 x  + 3 x - 1
```

Sequence: A001794
Score: 25.4132
Type of gen. func.: lgdogf

```
                                  -7 + 6 x
                          - ------------------
                             (2 x - 1) (-1 + x)
```

Sequence: A001794
Score: 4.26554
Type of gen. func.: ogf

```
{(n + 3) a(n + 3) + (-13 - 3 n) a(n + 2) + (8 + 2 n) a(n + 1), a(0) = 1,

    a(1) = 7, a(2) = 32}
```

Sequence: A001794
Score: 5.10521
Type of gen. func.: ogf

```
(61 f(x) + 121)

                4             3             2
    (16 f(x) x  - 32 f(x) x  + 24 f(x) x  - 8 f(x) x + f(x) + x - 1)
```

Sequence: A001804
Score: 19.2727
Type of gen. func.: lgdegf]

$$-\frac{3\,(x^2+6\,x+3)}{(-1+x)\,(x^2+4\,x+1)}$$

Sequence: A001804
Score: 5.68225
Type of gen. func.: ogf

$$\{(-n^2-8\,n-16)\,a(n+1)+(n+2)\,a(n+2),\ a(0)=2,\ a(1)=18\}$$

Sequence: A001804
Score: 8.19971
Type of gen. func.: egf]

$$-\frac{2\,(x^2+4\,x+1)}{(-1+x)^5}$$

Sequence: A001804
Score: 9.96580
Type of gen. func.: lgdegf]

$$-\frac{3\,x^2+18\,x+9}{x^3+3\,x^2-3\,x-1}$$

Sequence: A001805
Score: 13.5294
Type of gen. func.: lgdegf]

$$-\frac{4\,(x^3+12\,x^2+18\,x+4)}{(-1+x)\,(1+x)\,(x^2+8\,x+1)}$$

Sequence: A001805
Score: 5.62994
Type of gen. func.: ogf

$$\{(-n^2 - 10 n - 25) a(n + 1) + (n + 2) a(n + 2), a(0) = 6, a(1) = 96\}$$

Sequence: A001805
Score: 6.05087
Type of gen. func.: egf]

$$- \frac{6 (1 + x) (x^2 + 8 x + 1)}{(-1 + x)^7}$$

Sequence: A001805
Score: 8.63257
Type of gen. func.: lgdegf]

$$- \frac{4 x^3 + 48 x^2 + 72 x + 16}{x^4 + 8 x^3 - 8 x - 1}$$

Sequence: A001806
Score: 5.44848
Type of gen. func.: ogf

$$\{(-n^2 - 12 n - 36) a(n + 1) + (n + 2) a(n + 2), a(0) = 24, a(1) = 600\}$$

Sequence: A001806
Score: 5.95768
Type of gen. func.: lgdegf]

$$- \frac{-5 x^4 - 100 x^3 - 300 x^2 - 200 x - 25}{-x^5 - 15 x^4 - 20 x^3 + 20 x^2 + 15 x + 1}$$

Sequence: A001806
Score: 9.93872
Type of gen. func.: lgdegf]

$$-\frac{5\,(x^4 + 20\,x^3 + 60\,x^2 + 40\,x + 5)}{(-1 + x)\,(x^4 + 16\,x^3 + 36\,x^2 + 16\,x + 1)}$$

Sequence: A001807
Score: 5.21899
Type of gen. func.: ogf

$$\{(-n^2 - 14\,n - 49)\,a(n + 1) + (n + 2)\,a(n + 2),\ a(0) = 120,\ a(1) = 4320\}$$

Sequence: A001807
Score: 7.82013
Type of gen. func.: lgdegf]

$$-\frac{6\,(x^5 + 30\,x^4 + 150\,x^3 + 200\,x^2 + 75\,x + 6)}{(-1 + x)\,(1 + x)\,(x^4 + 24\,x^3 + 76\,x^2 + 24\,x + 1)}$$

Sequence: A001808
Score: 14.1087
Type of gen. func.: lgdogf

$$-803 - 949\,x + (-73\,x^2 + 286\,x + 315)\,f(x) + (22\,x^2 - 22)\,f(x)^2$$

Sequence: A001808
Score: 16.8581
Type of gen. func.: lgdogf

$$-\frac{-13\,x - 11}{-x^2 + 1}$$

Sequence: A001808

Score: 34.8975
Type of gen. func.: ogf_with_Euler_transform]

[11 + x]

Sequence: A001808
Score: 5.49982
Type of gen. func.: ogf

$$\frac{1}{(1 + x)\,(-1 + x)^{12}}$$

Sequence: A001808
Score: 5.61938
Type of gen. func.: ogf

{(n + 3) a(n + 3) - 11 a(n + 2) + (-14 - n) a(n + 1), a(0) = 1, a(1) = 11,

a(2) = 67}

Sequence: A001809
Score: 15.8167
Type of gen. func.: egf]

$$-\frac{x^{2}}{2\,(-1 + x)^{3}}$$

Sequence: A001809
Score: 23.1601
Type of gen. func.: lgdegf]

$$\frac{3}{-x + 1}$$

Sequence: A001809
Score: 5.68845
Type of gen. func.: ogf

2

$$\{(-n - 4 n - 4) a(n + 1) + n a(n + 2), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A001809
Score: 62.9103
Type of gen. func.: lgdegf]

$$-\frac{3}{-1 + x}$$

Sequence: A001809
Score: 7.08239
Type of gen. func.: egf]

$$(6 f(x) - 1) (2 f(x) x^3 - 6 f(x) x^2 + 6 f(x) x + x^2 - 2 f(x))$$

Sequence: A001810
Score: 14.0286
Type of gen. func.: egf]

$$\frac{x^3}{6 (-1 + x)^4}$$

Sequence: A001810
Score: 26.0530
Type of gen. func.: lgdegf]

$$\frac{4}{-x + 1}$$

Sequence: A001810
Score: 5.48485
Type of gen. func.: ogf

$$\{(-n^2 - 4 n - 4) a(n + 1) + (-1 + n) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$$

Sequence: A001810
Score: 5.65493
Type of gen. func.: egf]

$$-(24 f(x) + 1) (6 f(x) x^4 - 24 f(x) x^3 + 36 f(x) x^2 - x^3 - 24 f(x) x + 6 f(x))$$

Sequence: A001810
Score: 80.7105
Type of gen. func.: lgdegf]

$$- \frac{4}{-1 + x}$$

Sequence: A001811
Score: 5.65507
Type of gen. func.: ogf

$$\{(-n^2 - 12 n - 36) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 25\}$$

Sequence: A001811
Score: 6.07788
Type of gen. func.: lgdegf]

$$- \frac{-5 x^4 - 100 x^3 - 300 x^2 - 200 x - 25}{-x^5 - 15 x^4 - 20 x^3 + 20 x^2 + 15 x + 1}$$

Sequence: A001812
Score: 5.85422
Type of gen. func.: lgdegf]

$$- \frac{-6 x^5 - 180 x^4 - 900 x^3 - 1200 x^2 - 450 x - 36}{-x^6 - 24 x^5 - 75 x^4 + 75 x^2 + 24 x + 1}$$

Sequence: A001812
Score: 6.00694

Type of gen. func.: ogf

$$\{(-n^2 - 14 n - 49) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 36\}$$

Sequence: A001812
Score: 8.70817
Type of gen. func.: lgdegf]

$$-\frac{6 (x^5 + 30 x^4 + 150 x^3 + 200 x^2 + 75 x + 6)}{(-1 + x) (1 + x) (x^4 + 24 x^3 + 76 x^2 + 24 x + 1)}$$

Sequence: A001813
Score: 13.938
Type of gen. func.: egf]

$$-4 f(x)^2 x + f(x)^2 - 1$$

Sequence: A001813
Score: 19.4277
Type of gen. func.: lgdegf]

$$\frac{2}{1 - 4 x}$$

Sequence: A001813
Score: 48.4221
Type of gen. func.: lgdegf]

$$-\frac{2}{4 x - 1}$$

Sequence: A001813
Score: 59.1826
Type of gen. func.: revegf]

$$-x (-1 + x)$$

Sequence: A001813
Score: 6.18155
Type of gen. func.: ogf

$$\{(-4 n - 6) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A001814
Score: 10.9795
Type of gen. func.: lgdegf]

$$-\frac{12 x + 12}{8 x^2 + 2 x - 1}$$

Sequence: A001814
Score: 20.6878
Type of gen. func.: lgdegf]

$$-\frac{12 (1 + x)}{(1 + 2 x) (4 x - 1)}$$

Sequence: A001814
Score: 4.77368
Type of gen. func.: ogf

$$\{(-4 n^2 - 22 n - 30) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 12\}$$

Sequence: A001815
Score: 16.4145
Type of gen. func.: ogf

$$-\frac{2 x^2}{(2 x - 1)^3}$$

Sequence: A001815
Score: 26.9666
Type of gen. func.: lgdogf

$$\frac{6}{-2 x + 1}$$

Sequence: A001815
Score: 6.80240
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 12 a(n + 1) - 8 a(n), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A001815
Score: 63.3665
Type of gen. func.: lgdogf

$$- \frac{6}{2 x - 1}$$

Sequence: A001815
Score: 9.20812
Type of gen. func.: ogf

$$8 f(x) x^3 - 12 f(x) x^2 + 6 f(x) x + 2 x^2 - f(x)$$

Sequence: A001816
Score: 11.8537
Type of gen. func.: ogf

$$- \frac{12}{(2 x - 1)^5}$$

Sequence: A001816
Score: 25.7510
Type of gen. func.: lgdogf

$$\frac{10}{-2 x + 1}$$

Sequence: A001816
Score: 6.91463
Type of gen. func.: ogf

$$\{(-n - 2)\ a(n + 2) + (12 + 2\ n)\ a(n + 1),\ a(0) = 12,\ a(1) = 120\}$$

Sequence: A001816
Score: 61.1587
Type of gen. func.: lgdogf

$$- \frac{10}{2\ x - 1}$$

Sequence: A001818
Score: 6.71710
Type of gen. func.: ogf

$$\{(4\ n^{2} + 12\ n + 9)\ a(n + 1) - a(n + 2),\ a(0) = 1,\ a(1) = 1\}$$

Sequence: A001819
Score: 2.81880
Type of gen. func.: egf]

$$\{(n^{3} + 6\ n^{2} + 12\ n + 8)\ a(n + 1) + (-2\ n^{2} - 10\ n - 13)\ a(n + 2)$$
$$+ (n + 3)\ a(n + 3),\ a(0) = 0,\ a(1) = 1,\ a(2) = 5/2\}$$

Sequence: A001823
Score: 10.4293
Type of gen. func.: lgdogf

$$- \frac{3\ x^{4} + 340\ x^{3} + 2002\ x^{2} + 1876\ x + 259}{(-1 + x)\ (x^{4} + 84\ x^{3} + 350\ x^{2} + 196\ x + 9)}$$

Sequence: A001823
Score: 4.04793
Type of gen. func.: ogf

$$\{(-2 n^2 - 13 n - 21) a(n + 1) + (74 n^2 + 685 n + 1647) a(n + 2)$$

$$+ (-72 n^2 - 252 n - 216) a(n + 3), a(0) = 0, a(1) = 9, a(2) = 259\}$$

Sequence: A001823
Score: 6.23779
Type of gen. func.: ogf

$$- \frac{x (x^4 + 84 x^3 + 350 x^2 + 196 x + 9)}{(-1 + x)^7}$$

Sequence: A001824
Score: 2.89269
Type of gen. func.: egf]

$$\{(-16 n^4 - 160 n^3 - 600 n^2 - 1000 n - 625) a(n + 1)$$

$$+ (8 n^3 + 64 n^2 + 170 n + 148) a(n + 2) + (-n^2 - 5 n - 6) a(n + 3),$$

$$a(0) = 1, a(1) = 10, a(2) = 259/2\}$$

Sequence: A001834
Score: 11.7597
Type of gen. func.: lgdogf

$$- \frac{x^2 + 2 x - 5}{x^3 - 3 x^2 - 3 x + 1}$$

Sequence: A001834
Score: 16.7249
Type of gen. func.: ogf

$$\frac{1 + x}{x^2 - 4 x + 1}$$

Sequence: A001834
Score: 17.6093
Type of gen. func.: revogf

$$-\frac{-1 - 4 x + (12 x^2 + 12 x + 1)^{1/2}}{2 (-1 + x)}$$

Sequence: A001834
Score: 23.8577
Type of gen. func.: lgdogf

$$-\frac{x^2 + 2 x - 5}{(1 + x) (x^2 - 4 x + 1)}$$

Sequence: A001834
Score: 8.7514
Type of gen. func.: ogf

$$(18 f(x) + 7) (f(x) x^2 - 4 f(x) x + f(x) - x - 1)$$

Sequence: A001834
Score: 9.17830
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A001835
Score: 14.1631
Type of gen. func.: ogf

$$-\frac{3 x - 1}{x^2 - 4 x + 1}$$

Sequence: A001835
Score: 15.6116
Type of gen. func.: revogf

$$-\frac{-1 - 4x + (12x^2 - 4x + 1)^{1/2}}{2(x + 3)}$$

Sequence: A001835
Score: 18.3666
Type of gen. func.: lgdogf

$$-\frac{3x^2 - 2x + 1}{(3x - 1)(x^2 - 4x + 1)}$$

Sequence: A001835
Score: 7.16109
Type of gen. func.: ogf

$$-(8 f(x) - 7) (f(x) x^2 - 4 f(x) x + f(x) + 3 x - 1)$$

Sequence: A001835
Score: 7.77241
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A001835
Score: 9.80520
Type of gen. func.: lgdogf

$$-\frac{-3x^2 + 2x - 1}{-3x^3 + 13x^2 - 7x + 1}$$

Sequence: A001839
Score: 8.74483
Type of gen. func.: lgdogf

$$-(4x^{10} - 9x^9 - 11x^8 - 7x^7 - 5x^6 - 16x^5 - 4x^4 - 13x^3 - 7x^2 - 3x - 1)$$

$$\Big/ \left((-1 + x) (1 + x) (x^2 + x + 1) (x^2 - x + 1) (x^5 - 2 x^4 - 2 x^3 - 1)\right)$$

Sequence: A001839
Score: 9.70532
Type of gen. func.: ogf

$$\frac{x^2 (x^5 - 2 x^4 - 2 x^3 - 1)}{(x^2 + x + 1) (x^2 - x + 1) (1 + x)^2 (-1 + x)^3}$$

Sequence: A001840
Score: 14.8794
Type of gen. func.: ogf

$$- \frac{x}{(x^2 + x + 1) (-1 + x)^3}$$

Sequence: A001840
Score: 16.3102
Type of gen. func.: lgdogf

$$- \frac{-5 x^2 - 2 x - 2}{-x^3 + 1}$$

Sequence: A001840
Score: 26.9644
Type of gen. func.: lgdogf

$$- \frac{5 x^2 + 2 x + 2}{(-1 + x) (x^2 + x + 1)}$$

Sequence: A001840
Score: 33.7829
Type of gen. func.: ogf_with_Euler_transform]

$$[x^2 + 2]$$

Sequence: A001840
Score: 5.20324
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) - 2 a(n + 3) - 2 a(n + 2) + (-5 - n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 3\}$$

Sequence: A001841
Score: 4.22817
Type of gen. func.: ogf

$$-\frac{x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 3}{(x^2 + x + 1) (x^2 - x + 1) (1 + x)^2 (-1 + x)^3}$$

Sequence: A001844
Score: 13.4540
Type of gen. func.: ogf

$$-\frac{(1 + x)^2}{(-1 + x)^3}$$

Sequence: A001844
Score: 18.6521
Type of gen. func.: lgdogf

$$-\frac{5 + x}{x^2 - 1}$$

Sequence: A001844
Score: 38.8682
Type of gen. func.: ogf_with_Euler_transform]

$$[5 - 2 x]$$

```
------------------------------------------------------------------------------

Sequence:  A001844
Score: 41.1358
Type of gen. func.: lgdogf

                                      5 + x
                               - ----------------
                                 (-1 + x) (1 + x)


------------------------------------------------------------------------------

Sequence:  A001844
Score: 7.26278
Type of gen. func.: ogf

                           3            2                2
     (19 f(x) - 30) (f(x) x  - 3 f(x) x  + 3 f(x) x + x  - f(x) + 2 x + 1)


------------------------------------------------------------------------------

Sequence:  A001844
Score: 7.26278
Type of gen. func.: ogf

   {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 5, a(2) = 13}


------------------------------------------------------------------------------

Sequence:  A001845
Score: 17.4383
Type of gen. func.: lgdogf

                                      7 + x
                                    - ------
                                       2
                                      x  - 1


------------------------------------------------------------------------------

Sequence:  A001845
Score: 36.2867
Type of gen. func.: ogf_with_Euler_transform]

                                   [7 - 3 x]


------------------------------------------------------------------------------

Sequence:  A001845
Score: 39.6069
Type of gen. func.: lgdogf
```

$$-\frac{7 + x}{(-1 + x)\ (1 + x)}$$

Sequence: A001845
Score: 5.48062
Type of gen. func.: ogf

$$(61 f(x) + 121)$$

$$(f(x)\ x^4 - 4 f(x)\ x^3 + 6 f(x)\ x^2 - x^3 - 4 f(x)\ x - 3 x^2 + f(x) - 3 x - 1)$$

Sequence: A001845
Score: 5.68361
Type of gen. func.: ogf

$$\{(-3 - n)\ a(n + 3) + 7\ a(n + 2) + (n + 2)\ a(n + 1),\ a(0) = 1,\ a(1) = 7,$$

$$a(2) = 25\}$$

Sequence: A001845
Score: 9.96477
Type of gen. func.: ogf

$$\frac{(1 + x)^3}{(-1 + x)^4}$$

Sequence: A001846
Score: 18.2187
Type of gen. func.: lgdogf

$$-\frac{9 + x}{x^2 - 1}$$

Sequence: A001846
Score: 37.8829
Type of gen. func.: ogf_with_Euler_transform]

$$[9 - 4 x]$$

Sequence: A001846
Score: 41.4306
Type of gen. func.: lgdogf

$$-\frac{9 + x}{(-1 + x)(1 + x)}$$

Sequence: A001846
Score: 5.93796
Type of gen. func.: ogf

{(-3 - n) a(n + 3) + 9 a(n + 2) + (n + 2) a(n + 1), a(0) = 1, a(1) = 9,

a(2) = 41}

Sequence: A001846
Score: 8.43815
Type of gen. func.: ogf

$$-\frac{(1 + x)^4}{(-1 + x)^5}$$

Sequence: A001847
Score: 17.6318
Type of gen. func.: lgdogf

$$-\frac{11 + x}{x^2 - 1}$$

Sequence: A001847
Score: 35.7598
Type of gen. func.: ogf_with_Euler_transform]

[11 - 5 x]

Sequence: A001847

```
Score: 38.9663
Type of gen. func.: lgdogf


                                          11 + x
                                   - ----------------
                                     (-1 + x) (1 + x)



-------------------------------------------------------------------------------

Sequence:  A001847
Score: 5.79147
Type of gen. func.: ogf


{(-3 - n) a(n + 3) + 11 a(n + 2) + (n + 2) a(n + 1), a(0) = 1, a(1) = 11,

    a(2) = 61}



-------------------------------------------------------------------------------

Sequence:  A001847
Score: 6.95992
Type of gen. func.: ogf


                                               5
                                       (1 + x)
                                       ---------
                                                6
                                       (-1 + x)



-------------------------------------------------------------------------------

Sequence:  A001848
Score: 17.6368
Type of gen. func.: lgdogf


                                          x + 13
                                        - ------
                                            2
                                          x  - 1



-------------------------------------------------------------------------------

Sequence:  A001848
Score: 35.7447
Type of gen. func.: ogf_with_Euler_transform]


                                       [13 - 6 x]



-------------------------------------------------------------------------------

Sequence:  A001848
Score: 38.9896
Type of gen. func.: lgdogf


                                          x + 13
```

```
- ----------------
  (-1 + x) (1 + x)
```

Sequence: A001848
Score: 5.79309
Type of gen. func.: ogf

$\{(-3 - n) a(n + 3) + 13 a(n + 2) + (n + 2) a(n + 1), a(0) = 1, a(1) = 13,$

$a(2) = 85\}$

Sequence: A001848
Score: 6.01253
Type of gen. func.: ogf

$$-\frac{(1 + x)^6}{(-1 + x)^7}$$

Sequence: A001849
Score: 17.3839
Type of gen. func.: lgdogf

$$-\frac{x + 15}{x^2 - 1}$$

Sequence: A001849
Score: 35.2036
Type of gen. func.: ogf_with_Euler_transform]

$$[15 - 7 x]$$

Sequence: A001849
Score: 38.4336
Type of gen. func.: lgdogf

$$-\frac{x + 15}{(-1 + x) (1 + x)}$$

Sequence: A001849
Score: 5.21517
Type of gen. func.: ogf

$$\frac{(1 + x)^{7}}{(-1 + x)^{8}}$$

Sequence: A001849
Score: 5.66867
Type of gen. func.: ogf

$\{(-3 - n) a(n + 3) + 15 a(n + 2) + (n + 2) a(n + 1), a(0) = 1, a(1) = 15, a(2) = 113\}$

Sequence: A001850
Score: 11.7538
Type of gen. func.: ogf

$$f(x)^{2} x^{2} - 6 f(x)^{2} x + f(x)^{2} - 1$$

Sequence: A001850
Score: 14.0444
Type of gen. func.: lgdogf

$$- \frac{x - 3}{x^{2} - 6 x + 1}$$

Sequence: A001850
Score: 34.8204
Type of gen. func.: lgdogf

$$- \frac{x - 3}{x^{2} - 6 x + 1}$$

Sequence: A001850

Score: 4.43507
Type of gen. func.: ogf

$$\{(-3 - n)\, a(n + 3) + (15 + 6 n)\, a(n + 2) + (-n - 2)\, a(n + 1),\ a(0) = 1,\ a(1) = 3,\ a(2) = 13\}$$

Sequence: A001859
Score: 12.5214
Type of gen. func.: lgdogf

$$-\frac{-3 x^{2} - 10 x - 5}{-x^{3} - 2 x^{2} + x + 2}$$

Sequence: A001859
Score: 14.2788
Type of gen. func.: ogf

$$-\frac{x (x + 2)}{(1 + x) (-1 + x)^{3}}$$

Sequence: A001859
Score: 23.5910
Type of gen. func.: lgdogf

$$-\frac{3 x^{2} + 10 x + 5}{(-1 + x) (x + 2) (1 + x)}$$

Sequence: A001859
Score: 4.13142
Type of gen. func.: ogf

$$\{(-6 - 2 n)\, a(n + 4) + (3 - n)\, a(n + 3) + (12 + 2 n)\, a(n + 2) + (n + 3)\, a(n + 1),\ a(0) = 0,\ a(1) = 2,\ a(2) = 5,\ a(3) = 10\}$$

Sequence: A001859
Score: 7.07729
Type of gen. func.: ogf

$$-(351 f(x) - 985) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x + x^2 - f(x) + 2 x)$$

Sequence: A001860
Score: 13.2757
Type of gen. func.: lgdogf

$$-\frac{8 x^4 + 21 x^3 + 33 x^2 + 22 x + 12}{(-1 + x) (x^2 + x + 1) (2 x^2 + 3 x + 3)}$$

Sequence: A001860
Score: 8.21169
Type of gen. func.: lgdogf

$$-\frac{-8 x^4 - 21 x^3 - 33 x^2 - 22 x - 12}{-2 x^5 - 3 x^4 - 3 x^3 + 2 x^2 + 3 x + 3}$$

Sequence: A001860
Score: 9.22662
Type of gen. func.: ogf

$$\frac{x (2 x^2 + 3 x + 3)}{(x^2 + x + 1) (-1 + x)^4}$$

Sequence: A001861
Score: 17.2583
Type of gen. func.: lgdegf]

$$(-n - 2) a(n + 2) + a(n + 1), a(0) = 2, a(1) = 2$$

Sequence: A001861
Score: 26.4026
Type of gen. func.: lgdegf]

$$2 \exp(x)$$

Sequence: A001862
Score: 31.3660
Type of gen. func.: lgdegf]

$$-\exp(x)\,(x\exp(-x) - 1 - x)$$

Sequence: A001862
Score: 7.97967
Type of gen. func.: lgdegf]

$$\left(-\frac{x\exp(-x)}{1 + x} + 1\right)(\exp(x)\,x + \exp(x))$$

Sequence: A001870
Score: 18.1428
Type of gen. func.: lgdogf

$$-\frac{3x^2 - 7x + 5}{(-1 + x)(x^2 - 3x + 1)}$$

Sequence: A001870
Score: 4.89269
Type of gen. func.: ogf

$$(976 f(x) - 49)(f(x)x^4 - 6 f(x)x^3 + 11 f(x)x^2 - 6 f(x)x + f(x) + x - 1)$$

Sequence: A001870
Score: 9.55605
Type of gen. func.: lgdogf

$$-\frac{-3x^2 + 7x - 5}{-x^3 + 4x^2 - 4x + 1}$$

Sequence: A001870
Score: 9.86431
Type of gen. func.: ogf

$$-\frac{-1 + x}{(x^2 - 3 x + 1)^2}$$

Sequence: A001871
Score: 13.4234
Type of gen. func.: ogf

$$\frac{1}{(x^2 - 3 x + 1)^2}$$

Sequence: A001871
Score: 13.9827
Type of gen. func.: lgdogf

$$-\frac{4 x - 6}{x^2 - 3 x + 1}$$

Sequence: A001871
Score: 29.9153
Type of gen. func.: lgdogf

$$-\frac{2 (2 x - 3)}{x^2 - 3 x + 1}$$

Sequence: A001871
Score: 4.41559
Type of gen. func.: ogf

{(-3 - n) a(n + 3) + (12 + 3 n) a(n + 2) + (-5 - n) a(n + 1), a(0) = 1,

a(1) = 6, a(2) = 25}

Sequence: A001871
Score: 5.54684

Type of gen. func.: ogf

$$(295 f(x) + 16) (f(x) x^4 - 6 f(x) x^3 + 11 f(x) x^2 - 6 f(x) x + f(x) - 1)$$

Sequence: A001872
Score: 15.3814
Type of gen. func.: lgdogf

$$- \frac{-8 x - 4}{-x^2 - x + 1}$$

Sequence: A001872
Score: 36.2286
Type of gen. func.: lgdogf

$$- \frac{4 (1 + 2 x)}{x^2 + x - 1}$$

Sequence: A001872
Score: 4.88946
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-n - 6) a(n + 2) + (-9 - n) a(n + 1), a(0) = 1, a(1) = 4, a(2) = 14\}$$

Sequence: A001872
Score: 9.11491
Type of gen. func.: ogf

$$\frac{1}{(x^2 + x - 1)^4}$$

Sequence: A001873
Score: 14.2354
Type of gen. func.: lgdogf

2 2 2

$$-280 - 560 x + (-56 x - 106 x + 31) f(x) + (-5 x - 5 x + 5) f(x)$$

Sequence: A001873
Score: 16.2589
Type of gen. func.: lgdogf

$$-\frac{-10 x - 5}{-x^2 - x + 1}$$

Sequence: A001873
Score: 5.24136
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-7 - n) a(n + 2) + (-11 - n) a(n + 1), a(0) = 1, a(1) = 5,

a(2) = 20}

Sequence: A001873
Score: 7.73482
Type of gen. func.: ogf

$$-\frac{1}{(x^2 + x - 1)^5}$$

Sequence: A001874
Score: 12.5076
Type of gen. func.: lgdogf

$$-2016 - 4032 x + (-336 x^2 - 636 x + 186) f(x) + (-25 x^2 - 25 x + 25) f(x)^2$$

Sequence: A001874
Score: 16.1036
Type of gen. func.: lgdogf

$$-\frac{-12 x - 6}{-x^2 - x + 1}$$

Sequence: A001874
Score: 5.19130
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-n - 8) a(n + 2) + (-13 - n) a(n + 1), a(0) = 1, a(1) = 6, a(2) = 27\}$$

Sequence: A001874
Score: 6.52131
Type of gen. func.: ogf

$$\frac{1}{(x^2 + x - 1)^6}$$

Sequence: A001875
Score: 12.4916
Type of gen. func.: lgdogf

$$-2744 - 5488 x + (-392 x^2 - 742 x + 217) f(x) + (-25 x^2 - 25 x + 25) f(x)^2$$

Sequence: A001875
Score: 16.0806
Type of gen. func.: lgdogf

$$-\frac{-14 x - 7}{-x^2 - x + 1}$$

Sequence: A001875
Score: 5.18387
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-9 - n) a(n + 2) + (-15 - n) a(n + 1), a(0) = 1, a(1) = 7, a(2) = 35\}$$

Sequence: A001875
Score: 5.51013
Type of gen. func.: ogf

$$-\frac{1}{(x^2+x-1)^7}$$

Sequence: A001879
Score: 10.0825
Type of gen. func.: lgdegf]

$$-3366 - 1683 x + (-1122 x^2 - 159 x + 1365) f(x) + (268 x^2 + 134 x - 134) f(x)^2$$

Sequence: A001879
Score: 14.1088
Type of gen. func.: lgdegf]

$$-\frac{3 x + 6}{2 x^2 + x - 1}$$

Sequence: A001879
Score: 5.94054
Type of gen. func.: ogf

$$\{(-2 n^2 - 11 n - 15) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 6\}$$

Sequence: A001880
Score: 16.7493
Type of gen. func.: lgdegf]

$$-\frac{15 (x^2 + 6 x + 2)}{(2 x - 1) (3 x^2 + 12 x + 2)}$$

Sequence: A001880
Score: 5.78074
Type of gen. func.: ogf

$$\{(-2 n^2 - 15 n - 28) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 15\}$$

Sequence: A001880
Score: 9.77625
Type of gen. func.: lgdegf]

```
                    2
              15 x  + 90 x + 30
          - ----------------------
                3       2
             6 x  + 21 x  - 8 x - 2
```

Sequence: A001881
Score: 15.9979
Type of gen. func.: lgdegf]

```
                      2
             21 (5 x  + 10 x + 2)
       - -----------------------------
                            2
         (2 x - 1) (15 x  + 20 x + 2)
```

Sequence: A001881
Score: 6.08235
Type of gen. func.: ogf

```
           2
     {(-2 n  - 17 n - 36) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 21}
```

Sequence: A001881
Score: 9.71486
Type of gen. func.: lgdegf]

```
                    2
             105 x  + 210 x + 42
          - -----------------------
                3       2
            30 x  + 25 x  - 16 x - 2
```

Sequence: A001882
Score: 10.1515
Type of gen. func.: lgdogf

```
          6       5       4       3      2
       2 x  + 12 x  - 14 x  - 16 x  + 9 x  + 10 x + 3
     - ------------------------------------------------
             3      2                 4      2
```

$$(x + 3 x - 3 x - 2) (2 x - 4 x + 1)$$

Sequence: A001882
Score: 12.0882
Type of gen. func.: ogf

$$-\frac{x^{3} + 3 x^{2} - 3 x - 2}{2 x^{4} - 4 x^{2} + 1}$$

Sequence: A001882
Score: 7.48316
Type of gen. func.: ogf

$$(172 f(x) + 159) (2 f(x) x^{4} - 4 f(x) x^{2} + x^{3} + 3 x^{2} + f(x) - 3 x - 2)$$

Sequence: A001891
Score: 10.5002
Type of gen. func.: lgdogf

$$-\frac{-3 x^{3} - 5 x^{2} + 4}{-x^{4} - x^{3} + 2 x^{2} + x - 1}$$

Sequence: A001891
Score: 12.2771
Type of gen. func.: ogf

$$-\frac{(1 + x) x}{(x^{2} + x - 1) (-1 + x)^{2}}$$

Sequence: A001891
Score: 19.6795
Type of gen. func.: lgdogf

$$-\frac{3 x^{3} + 5 x^{2} - 4}{{}^{2}}$$

$$(-1 + x) (1 + x) (x \quad + x - 1)$$

Sequence: A001891
Score: 4.40891
Type of gen. func.: ogf

$$\{(2 n + 7) a(n + 1) + 2 a(n + 2) + (-4 n - 12) a(n + 3) + (2 n + 5) a(n + 4),\ a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 10\}$$

Sequence: A001891
Score: 6.23448
Type of gen. func.: ogf

$$(112 f(x) + 17) (f(x) x^4 - f(x) x^3 - 2 f(x) x^2 + 3 f(x) x + x^2 - f(x) + x)$$

Sequence: A001900
Score: 3.21865
Type of gen. func.: ogf

$$\{(-n^3 - 7 n^2 - 16 n - 12) a(n + 1) + (-n^3 - 11 n^2 - 41 n - 50) a(n + 2) - 2 a(n + 3) + (n + 4) a(n + 4),\ a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 16\}$$

Sequence: A001903
Score: 11.8866
Type of gen. func.: ogf

$$- \frac{3 x^2 + 6 x + 1}{(x^2 + 1) (-1 + x)}$$

Sequence: A001903
Score: 12.6340
Type of gen. func.: lgdogf

$$- \frac{3 x^4 + 12 x^3 - 6 x^2 + 4 x + 7}{(-1 + x) (x^2 + 1) (3 x^2 + 6 x + 1)}$$

Sequence: A001903
Score: 6.25073
Type of gen. func.: ogf

$$-(5 f(x) + 97) (f(x) x^3 - f(x) x^2 + f(x) x + 3 x^2 - f(x) + 6 x + 1)$$

Sequence: A001903
Score: 6.47396
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 7, a(2) = 9\}$$

Sequence: A001906
Score: 13.5613
Type of gen. func.: ogf

$$-f(x) x^2 + 3 f(x) x - f(x) + x$$

Sequence: A001906
Score: 16.6692
Type of gen. func.: lgdogf

$$-\frac{2 x - 3}{x^2 - 3 x + 1}$$

Sequence: A001906
Score: 19.2638
Type of gen. func.: revogf

$$-\frac{-1 - 3 x + (1 + x)^{1/2} (1 + 5 x)^{1/2}}{2 x}$$

Sequence: A001906
Score: 24.2461
Type of gen. func.: ogf

$$\frac{x}{x^2 - 3 x + 1}$$

Sequence: A001906
Score: 39.4909
Type of gen. func.: lgdogf

$$-\frac{2 x - 3}{x^2 - 3 x + 1}$$

Sequence: A001906
Score: 9.87802
Type of gen. func.: ogf

{a(n + 2) - 3 a(n + 1) + a(n), a(0) = 0, a(1) = 1}

Sequence: A001907
Score: 16.2583
Type of gen. func.: lgdegf]

$$-\frac{-3 - 4 x}{1 - 4 x}$$

Sequence: A001907
Score: 29.0777
Type of gen. func.: lgdegf]

-3 - 4 x + (1 - 4 x) f(x)

Sequence: A001907
Score: 4.78186
Type of gen. func.: ogf

{(-4 n - 8) a(n + 1) + (-4 n - 11) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 3,

a(2) = 25}

Sequence: A001908
Score: 17.3422
Type of gen. func.: lgdegf]

$$-\frac{-4 - 5 x}{-5 x + 1}$$

Sequence: A001908
Score: 35.9014
Type of gen. func.: lgdegf]

$$-4 - 5 x + (-5 x + 1) f(x)$$

Sequence: A001908
Score: 5.06342
Type of gen. func.: ogf

$$\{(-5 n - 10) a(n + 1) + (-5 n - 14) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 4, a(2) = 41\}$$

Sequence: A001909
Score: 6.37899
Type of gen. func.: ogf

$$\{a(n) n + (n + 4) a(n + 1) - a(n + 2), a(0) = 0, a(1) = 1\}$$

Sequence: A001910
Score: 6.61096
Type of gen. func.: ogf

$$\{a(n) n + (n + 5) a(n + 1) - a(n + 2), a(0) = 0, a(1) = 1\}$$

Sequence: A001911
Score: 11.1022
Type of gen. func.: ogf

$$f(x) x^{3} - 2 f(x) x - x^{2} + f(x) - x$$

Sequence: A001911
Score: 15.1806
Type of gen. func.: ogf

$$\frac{(1 + x)\, x}{(-1 + x)\, (x^2 + x - 1)}$$

Sequence: A001911
Score: 18.3254
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 3 x^2 - 3}{(-1 + x)\, (1 + x)\, (x^2 + x - 1)}$$

Sequence: A001911
Score: 7.99839
Type of gen. func.: ogf

$\{-a(n + 3) + 2\, a(n + 2) - a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 3\}$

Sequence: A001911
Score: 9.78750
Type of gen. func.: lgdogf

$$-\frac{-2 x^3 - 3 x^2 + 3}{-x^4 - x^3 + 2 x^2 + x - 1}$$

Sequence: A001919
Score: 11.4523
Type of gen. func.: lgdogf

$$-\frac{-18 x^2 + 50 x - 40}{-3 x^3 + 11 x^2 - 14 x + 6}$$

Sequence: A001919
Score: 19.9032
Type of gen. func.: lgdogf

$$-\frac{2\,(9\,x^2 - 25\,x + 20)}{(-1 + x)\,(3\,x^2 - 8\,x + 6)}$$

Sequence: A001919
Score: 3.81744
Type of gen. func.: ogf

$$\{(-6\,n - 24)\,a(n + 4) + (82 + 14\,n)\,a(n + 3) + (-72 - 11\,n)\,a(n + 2)$$
$$+ (21 + 3\,n)\,a(n + 1),\ a(0) = 6,\ a(1) = 40,\ a(2) = 155,\ a(3) = 456\}$$

Sequence: A001919
Score: 7.45482
Type of gen. func.: ogf

$$\frac{3\,x^2 - 8\,x + 6}{(-1 + x)^8}$$

Sequence: A001920
Score: 8.94384
Type of gen. func.: lgdogf

$$-\frac{6\,x\,(x^4 + 506\,x^2 + 1288\,x + 253)}{x^6 + 759\,x^4 + 2576\,x^3 + 759\,x^2 + 1}$$

Sequence: A001920
Score: 9.01092
Type of gen. func.: ogf

$$\frac{1}{x^6 + 759\,x^4 + 2576\,x^3 + 759\,x^2 + 1}$$

Sequence: A001921
Score: 11.1290
Type of gen. func.: ogf

$$\frac{x(x-7)}{(-1+x)(x^2-14x+1)}$$

Sequence: A001921
Score: 12.7015
Type of gen. func.: lgdogf

$$-\frac{2(x^3-18x^2+105x-52)}{(-1+x)(x-7)(x^2-14x+1)}$$

Sequence: A001921
Score: 5.70965
Type of gen. func.: ogf

$\{-a(n+3)+15a(n+2)-15a(n+1)+a(n), a(0)=0, a(1)=7, a(2)=104\}$

Sequence: A001921
Score: 6.25343
Type of gen. func.: ogf

$$-f(x)(f(x)x^3-15f(x)x^2+15f(x)x-x^2-f(x)+7x)$$

Sequence: A001921
Score: 7.29567
Type of gen. func.: lgdogf

$$-\frac{2x^3-36x^2+210x-104}{x^4-22x^3+120x^2-106x+7}$$

Sequence: A001922
Score: 11.9919
Type of gen. func.: ogf

$$\frac{7x-1}{(-1+x)(x^2-14x+1)}$$

Sequence: A001922
Score: 5.49629
Type of gen. func.: ogf

$$-(5056080 f(x) + 357167) (f(x) x^3 - 15 f(x) x^2 + 15 f(x) x - f(x) - 7 x + 1)$$

Sequence: A001922
Score: 5.68582
Type of gen. func.: ogf

$$\{a(n + 3) - 15 a(n + 2) + 15 a(n + 1) - a(n), a(0) = 1, a(1) = 8, a(2) = 105\}$$

Sequence: A001922
Score: 7.41073
Type of gen. func.: lgdogf

$$-\frac{14x^3-108x^2+30x-8}{7x^4-106x^3+120x^2-22x+1}$$

Sequence: A001922
Score: 9.46185
Type of gen. func.: lgdogf

$$-\frac{2(7x^3-54x^2+15x-4)}{(-1+x)(7x-1)(x^2-14x+1)}$$

Sequence: A001924
Score: 14.4854
Type of gen. func.: lgdogf

$$4x^2+x-3$$

$$- \frac{}{x^3 - 2 x + 1}$$

Sequence: A001924
Score: 16.5548
Type of gen. func.: ogf

$$- \frac{x}{(x^2 + x - 1) (-1 + x)^2}$$

Sequence: A001924
Score: 25.8152
Type of gen. func.: lgdogf

$$- \frac{(1 + x) (4 x - 3)}{(-1 + x) (x^2 + x - 1)}$$

Sequence: A001924
Score: 4.53175
Type of gen. func.: ogf

$$\{(-3 - n) a(n + 4) + (2 n + 7) a(n + 3) - a(n + 2) + (-n - 4) a(n + 1),$$

$$a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 7\}$$

Sequence: A001924
Score: 6.70398
Type of gen. func.: ogf

$$-(3 f(x) + 1) (f(x) x^4 - f(x) x^3 - 2 f(x) x^2 + 3 f(x) x - f(x) + x)$$

Sequence: A001925
Score: 17.0136
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^3 + 4 x^2 - x - 3)}{(-1 + x) (1 + x) (x^2 + x - 1)}$$

Sequence: A001925
Score: 3.48157
Type of gen. func.: ogf

$$\{(-n^2 - 11 n - 28) a(n + 1) - n a(n + 2) + (2 n^2 + 17 n + 33) a(n + 3) + (-n^2 - 7 n - 12) a(n + 4), a(0) = 1, a(1) = 6, a(2) = 22, a(3) = 64\}$$

Sequence: A001925
Score: 8.97015
Type of gen. func.: ogf

$$-\frac{1 + x}{(x^2 + x - 1)^2 (-1 + x)^3}$$

Sequence: A001925
Score: 9.53079
Type of gen. func.: lgdogf

$$-\frac{-6 x^3 - 8 x^2 + 2 x + 6}{-x^4 - x^3 + 2 x^2 + x - 1}$$

Sequence: A001926
Score: 17.0816
Type of gen. func.: lgdogf

$$-\frac{8 x^3 + 11 x^2 - 2 x - 9}{(-1 + x) (1 + x) (x^2 + x - 1)}$$

Sequence: A001926
Score: 6.46509
Type of gen. func.: ogf

$$(1 + x)^2$$

$$-\frac{}{(x^2 + x - 1)^3 (-1 + x)^4}$$

Sequence: A001926
Score: 9.65773
Type of gen. func.: lgdogf

$$-\frac{8 x^3 + 11 x^2 - 2 x - 9}{x^4 + x^3 - 2 x^2 - x + 1}$$

Sequence: A001932
Score: 10.8304
Type of gen. func.: lgdogf

$$-\frac{4 x^5 + 15 x^4 + 10 x^3 - 12 x^2 - 4 x + 3}{(2 x - 1) (x + 2) (x^2 + x - 1) (x^2 + 2 x - 1)}$$

Sequence: A001932
Score: 12.1568
Type of gen. func.: ogf

$$-\frac{x (x + 2) (2 x - 1)}{(x^2 + x - 1) (x^2 + 2 x - 1)}$$

Sequence: A001932
Score: 6.81196
Type of gen. func.: ogf

$$(4 f(x) - 17) (f(x) x^4 + 3 f(x) x^3 + 2 x^3 - 3 f(x) x + 3 x^2 + f(x) - 2 x)$$

Sequence: A001934
Score: 17.6668
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x + 4}{}$$

$$x^2 - 1$$

Sequence: A001935
Score: 17.1558
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^2 - x - 1}{-x^4 + 1}$$

Sequence: A001936
Score: 15.2927
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^2 - 2 x - 2}{-x^4 + 1}$$

Sequence: A001937
Score: 16.6743
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3 x^2 - 3 x - 3}{-x^4 + 1}$$

Sequence: A001938
Score: 13.4768
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4 x - 4}{-x^3 - x^2 - x - 1}$$

Sequence: A001939
Score: 15.9786
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-5x^2-5x-5}{-x^4+1}$$

Sequence: A001940
Score: 15.2559
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-6x^2-6x-6}{-x^4+1}$$

Sequence: A001941
Score: 15.2329
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-7x^2-7x-7}{-x^4+1}$$

Sequence: A001945
Score: 7.44362
Type of gen. func.: lgdogf

$$-\frac{2x^9+7x^8+8x^7+14x^6+14x^5-5x^4-24x^3-18x^2-4x-1}{(x^3+x^2-1)(x^3-x-1)(x^4+2x^3+x^2+2x+1)}$$

Sequence: A001945
Score: 7.55363
Type of gen. func.: ogf

$$\frac{x(x^4+2x^3+x^2+2x+1)}{(x^3+x^2-1)(x^3-x-1)}$$

Sequence: A001946

Score: 14.8512
Type of gen. func.: ogf

$$\frac{11 x - 2}{x^2 + 11 x - 1}$$

Sequence: A001946
Score: 17.1506
Type of gen. func.: lgdogf

$$-\frac{11 x^2 - 4 x - 11}{(11 x - 2) (x^2 + 11 x - 1)}$$

Sequence: A001946
Score: 7.34743
Type of gen. func.: ogf

$$-(125 f(x) - 129) (f(x) x^2 + 11 f(x) x - f(x) - 11 x + 2)$$

Sequence: A001946
Score: 8.30958
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) + a(n), a(0) = 2, a(1) = 11\}$$

Sequence: A001946
Score: 9.97150
Type of gen. func.: lgdogf

$$-\frac{11 x^2 - 4 x - 11}{11 x^3 + 119 x^2 - 33 x + 2}$$

Sequence: A001947
Score: 10.7310
Type of gen. func.: lgdogf

$$-\frac{4 x^2 - 6 x - 29}{4 x^3 + 41 x^2 - 37 x + 3}$$

Sequence: A001947
Score: 15.6299
Type of gen. func.: ogf

$$\frac{4 x - 3}{x^2 + 11 x - 1}$$

Sequence: A001947
Score: 16.4417
Type of gen. func.: revogf

$$\frac{-3 - 11 x + (125 x^2 + 50 x + 9)^{1/2}}{2 (-4 + x)}$$

Sequence: A001947
Score: 19.1079
Type of gen. func.: lgdogf

$$-\frac{4 x^2 - 6 x - 29}{(4 x - 3) (x^2 + 11 x - 1)}$$

Sequence: A001947
Score: 7.64868
Type of gen. func.: ogf

$$-(325 f(x) - 134) (f(x) x^2 + 11 f(x) x - f(x) - 4 x + 3)$$

Sequence: A001947
Score: 8.55923
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) + a(n), a(0) = 3, a(1) = 29\}$$

Sequence: A001949
Score: 14.9701
Type of gen. func.: lgdogf

$$-\frac{-6 x^{5} + 2}{-x^{6} + 2 x - 1}$$

Sequence: A001949
Score: 18.6210
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^{5} - 1)}{(-1 + x) (x^{5} + x^{4} + x^{3} + x^{2} + x - 1)}$$

Sequence: A001949
Score: 23.5892
Type of gen. func.: ogf

$$\frac{x^{5}}{(-1 + x) (x^{5} + x^{4} + x^{3} + x^{2} + x - 1)}$$

Sequence: A001955
Score: 7.09161
Type of gen. func.: ogf

$$\frac{2 x^{9} + x^{8} + x^{7} + 2 x^{6} + x^{5} + x^{4} + 2 x^{3} + x^{2} + x + 1}{(1 + x) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (-1 + x)^{2}}$$

Sequence: A001957
Score: 5.88354
Type of gen. func.: ogf

25   24   9   8   7   6   5   4   3   2

```
       x (x   - x   - x  - 2 x  - x  - x  - 2 x  - x  - x  - x  - 2 x - 1)
     - --------------------------------------------------------------------
                   4    3    2            4    3    2                  2
         (1 + x) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1) (-1 + x)



-------------------------------------------------------------------------------

Sequence:  A001958
Score: 5.84036
Type of gen. func.: ogf


    26    25      10      9      8      7      6      5      4      3      2
- (x   - x   - 3 x   - 5 x  - 4 x  - 4 x  - 5 x  - 4 x  - 4 x  - 4 x  - 5 x

                  /            4    3    2            4    3    2
     - 4 x - 1)  /  ((1 + x) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1)
                /

            2
    (-1 + x) )



-------------------------------------------------------------------------------

Sequence:  A001971
Score: 10.0112
Type of gen. func.: ogf


                                  2   2
                                 x  (x  - x + 1)
                          - --------------------------
                                      2              3
                            (1 + x) (x  + 1) (-1 + x)



-------------------------------------------------------------------------------

Sequence:  A001971
Score: 13.3766
Type of gen. func.: lgdogf


                          5      4      3      2
                       4 x  - 3 x  + 6 x  + 2 x  + 2 x + 1
                    - --------------------------------------
                                         2        2
                      (-1 + x) (1 + x) (x  + 1) (x  - x + 1)



-------------------------------------------------------------------------------

Sequence:  A001971
Score: 20.6714
Type of gen. func.: ogf_with_Euler_transform]


                               5    3    2
                             -x  + x  + x  + x + 1



-------------------------------------------------------------------------------

Sequence:  A001972
```

Score: 14.0675
Type of gen. func.: lgdogf

$$-\frac{6 x^{3} + 2 x^{2} + 2 x + 2}{x^{4} - 1}$$

Sequence: A001972
Score: 14.8079
Type of gen. func.: ogf

$$-\frac{1}{(1 + x) (x^{2} + 1) (-1 + x)^{3}}$$

Sequence: A001972
Score: 19.7081
Type of gen. func.: lgdogf

$$-a(n + 4) + a(n), a(0) = 2, a(1) = 2, a(2) = 2, a(3) = 6$$

Sequence: A001972
Score: 33.6204
Type of gen. func.: ogf_with_Euler_transform]

$$[x^{3} + 2]$$

Sequence: A001973
Score: 17.0966
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{5} + 2 x^{2} + 2 x + 1$$

Sequence: A001973
Score: 7.37777
Type of gen. func.: ogf

$$\frac{x^{2} - x + 1}{}$$

$$(1 + x) (x^2 + x + 1) (-1 + x)^4$$

Sequence: A001973
Score: 7.47484
Type of gen. func.: lgdogf

$$- \frac{-5 x^5 - x^4 - 5 x^3 - 7 x^2 - 5 x - 1}{-x^6 + 1}$$

Sequence: A001973
Score: 8.78305
Type of gen. func.: lgdogf

$$- \frac{5 x^5 + x^4 + 5 x^3 + 7 x^2 + 5 x + 1}{(-1 + x) (1 + x) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A001978
Score: 4.04471
Type of gen. func.: ogf

$$\frac{x (x^6 + 2 x^5 + 2 x^4 + x^3 + 2 x^2 + 2 x + 1)}{(x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (1 + x)^3 (-1 + x)^6}$$

Sequence: A001993
Score: 12.2020
Type of gen. func.: lgdogf

$$- \frac{(3 x^2 + 2 x + 1) (5 x^3 + 2 x^2 + 4 x + 1)}{(-1 + x) (1 + x) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A001993
Score: 25.2010
Type of gen. func.: ogf_with_Euler_transform]

$$x^3 + 2x^2 + 2x + 1$$

Sequence: A001993
Score: 6.85393
Type of gen. func.: ogf

$$\frac{1}{(x^2 + 1)(x^2 + x + 1)^2 (1 + x)^3 (-1 + x)^6}$$

Sequence: A001994
Score: 20.3946
Type of gen. func.: ogf_with_Euler_transform]

$$x^4 + x^3 + x^2 + 2x + 1$$

Sequence: A001994
Score: 5.83773
Type of gen. func.: ogf

$$\frac{1}{(x^2 + x + 1)(x^4 + x^3 + x^2 + x + 1)(x^2 + 1)(1 + x)^3 (-1 + x)^6}$$

Sequence: A001994
Score: 7.30147
Type of gen. func.: lgdogf

$$-\frac{17x^9 + 35x^8 + 58x^7 + 68x^6 + 69x^5 + 53x^4 + 35x^3 + 17x^2 + 7x + 1}{(-1 + x)(1 + x)(x^2 + x + 1)(x^4 + x^3 + x^2 + x + 1)(x^2 + 1)}$$

Sequence: A001996
Score: 14.3420
Type of gen. func.: ogf_with_Euler_transform]

$$x(x^5 + x^4 + x^3 + x^2 + x + 1)$$

Sequence: A001996
Score: 4.51193
Type of gen. func.: ogf

$$1/((x^2 - x + 1)\ (x^4 + x^3 + x^2 + x + 1)\ (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\ (x^2 + 1)\ (x^2 + x + 1)^2\ (1 + x)^3\ (-1 + x)^6)$$

Sequence: A001998
Score: 10.8235
Type of gen. func.: ogf

$$-\frac{6 x^3 - 4 x^2 - 2 x + 1}{(-1 + x)\ (3 x - 1)\ (3 x^2 - 1)}$$

Sequence: A001998
Score: 6.01303
Type of gen. func.: ogf

$\{-a(n + 4) + 4 a(n + 3) - 12 a(n + 1) + 9 a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 10\}$

Sequence: A001998
Score: 6.47847
Type of gen. func.: ogf

$$-(13 f(x) + 33)\ (9 f(x) x^4 - 12 f(x) x^3 + 6 x^3 + 4 f(x) x - 4 x^2 - f(x) - 2 x + 1)$$

Sequence: A001998
Score: 8.02053
Type of gen. func.: lgdogf

$$-\frac{2 (27 x^6 - 36 x^5 - 3 x^4 + 18 x^3 - x^2 - 4 x + 1)}{(-1 + x)\ (3 x - 1)\ (3 x^2 - 1)\ (6 x^3 - 4 x^2 - 2 x + 1)}$$

Sequence: A002001
Score: 10.6341
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 3\}$$

Sequence: A002001
Score: 17.0145
Type of gen. func.: ogf

$$-4 f(x) x + f(x) + x - 1$$

Sequence: A002001
Score: 20.6934
Type of gen. func.: ogf

$$\frac{-1 + x}{4 x - 1}$$

Sequence: A002001
Score: 21.2682
Type of gen. func.: lgdogf

$$- \frac{3}{-4 x^2 + 5 x - 1}$$

Sequence: A002001
Score: 23.5194
Type of gen. func.: revogf

$$1/2 + 2 x - \frac{(16 x^2 + 4 x + 1)^{1/2}}{2}$$

Sequence: A002001
Score: 44.2718
Type of gen. func.: lgdogf

$$\frac{3}{(4 x - 1) (-1 + x)}$$

Sequence: A002002
Score: 5.41641
Type of gen. func.: ogf

$$-f(x)^2 x^2 + 6 f(x)^2 x - f(x) x^2 - f(x)^2 + 6 f(x) x - f(x) + x$$

Sequence: A002002
Score: 8.30165
Type of gen. func.: revogf

$$-\frac{2 (8 x^2 + 8 x + 1)^{1/2} x + (8 x^2 + 8 x + 1)^{1/2} - 1 - 6 x - 6 x^2}{2 x (1 + x)}$$

Sequence: A002003
Score: 10.7861
Type of gen. func.: revogf

$$-\frac{2 (2 x^2 + 2 x + 1)^{1/2} x + (2 x^2 + 2 x + 1)^{1/2} - 1 - 3 x - 3 x^2}{x (1 + x)}$$

Sequence: A002003
Score: 3.50202
Type of gen. func.: ogf

$$\{(n^2 + n) a(n) + (-7 n^2 - 13 n - 6) a(n + 1) + (7 n^2 + 29 n + 30) a(n + 2) + (-n^2 - 5 n - 6) a(n + 3), a(0) = 0, a(1) = 2, a(2) = 8\}$$

Sequence: A002003
Score: 6.61852
Type of gen. func.: ogf

2 2 2 2 2

```
         f(x)  x  - 6 f(x)  x + f(x) x  + f(x)  - 6 f(x) x + f(x) - 2 x



-------------------------------------------------------------------------------

Sequence:  A002005
Score: 6.95126
Type of gen. func.: ogf


           3     3          2  2       2
       64 x  f(x)  - 96 f(x)  x  + f(x)  x + 30 f(x) x - f(x) - 27 x + 1



-------------------------------------------------------------------------------

Sequence:  A002011
Score: 24.1881
Type of gen. func.: lgdogf


                                       6
                                    -------
                                    1 - 4 x



-------------------------------------------------------------------------------

Sequence:  A002011
Score: 6.38930
Type of gen. func.: ogf


         {(-n - 2) a(n + 2) + (10 + 4 n) a(n + 1), a(0) = 4, a(1) = 24}



-------------------------------------------------------------------------------

Sequence:  A002011
Score: 60.4294
Type of gen. func.: lgdogf


                                        6
                                   - -------
                                     4 x - 1



-------------------------------------------------------------------------------

Sequence:  A002011
Score: 7.96784
Type of gen. func.: ogf


                      2  3          2  2          2         2
              -64 f(x)  x  + 48 f(x)  x  - 12 f(x)  x + f(x)  - 16



-------------------------------------------------------------------------------

Sequence:  A002017
Score: 108.603
Type of gen. func.: lgdegf]
```

$$\cos(x)$$

Sequence: A002017
Score: 31.4406
Type of gen. func.: lgdegf]

$$\cos(x)$$

Sequence: A002018
Score: 5.11207
Type of gen. func.: ogf

$$\{(-n^3 - 3 n^2 - 2 n) a(n) + (2 n^2 + 8 n + 8) a(n + 1) - 2 a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A002019
Score: 18.1599
Type of gen. func.: lgdegf]

$$- \frac{1}{-x^2 - 1}$$

Sequence: A002019
Score: 40.1835
Type of gen. func.: lgdegf]

$$-1 + (x^2 + 1) f(x)$$

Sequence: A002019
Score: 5.69722
Type of gen. func.: ogf

$$\{(n^2 + n) a(n) + a(n + 2) - a(n + 1), a(0) = 1, a(1) = 1\}$$

Sequence: A002020

Score: 5.20093
Type of gen. func.: ogf

$$\{(n^2 + n) a(n) + a(n + 2) - a(n + 1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1\}$$

Sequence: A002023
Score: 13.6901
Type of gen. func.: ogf

$$\{a(n + 1) - 4 a(n), a(0) = 6\}$$

Sequence: A002023
Score: 17.363
Type of gen. func.: ogf

$$-4 f(x) x + f(x) - 6$$

Sequence: A002023
Score: 25.4244
Type of gen. func.: lgdogf

$$\frac{4}{1 - 4 x}$$

Sequence: A002023
Score: 28.4753
Type of gen. func.: ogf

$$- \frac{6}{4 x - 1}$$

Sequence: A002023
Score: 29.1321
Type of gen. func.: revegf]

$$-1/4 \ln(3) + 1/4 \ln(2 x + 3)$$

Sequence: A002023

Score: 63.5610
Type of gen. func.: lgdogf

$$-\frac{4}{4 x - 1}$$

Sequence: A002024
Score: 25.0799
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x + 2}{-x - 1}$$

Sequence: A002026
Score: 11.8064
Type of gen. func.: ogf

$$f(x)^2 x^3 + f(x) x^2 + 2 f(x) x - f(x) + x$$

Sequence: A002026
Score: 13.7741
Type of gen. func.: lgdogf

$$- 2/x + \frac{2 I}{x (1 + x)^{1/2} (3 x - 1)^{1/2}}$$

Sequence: A002026
Score: 5.10726
Type of gen. func.: ogf

$$\{(3 n^2 + 15 n + 18) a(n + 1) + (2 n^2 + 13 n + 21) a(n + 2)$$

$$+ (-n^2 - 8 n - 12) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A002041
Score: 14.9022
Type of gen. func.: lgdogf

$$-\frac{2\,(40\,x^3-36\,x^2-x+3)}{(-1+x)\,(1+2\,x)\,(2\,x-1)\,(5\,x-1)}$$

Sequence: A002041
Score: 16.0313
Type of gen. func.: ogf

$$-\frac{1}{(-1+x)\,(1+2\,x)\,(2\,x-1)\,(5\,x-1)}$$

Sequence: A002041
Score: 6.10145
Type of gen. func.: ogf

$$-(1382689\,f(x)-278000)$$

$$(20\,f(x)\,x^4-24\,f(x)\,x^3-f(x)\,x^2+6\,f(x)\,x-f(x)+1)$$

Sequence: A002041
Score: 9.73329
Type of gen. func.: lgdogf

$$-\frac{80\,x^3-72\,x^2-2\,x+6}{20\,x^4-24\,x^3-x^2+6\,x-1}$$

Sequence: A002042
Score: 13.8123
Type of gen. func.: ogf

$$\{a(n+1)-4\,a(n),\ a(0)=7\}$$

Sequence: A002042
Score: 17.5181
Type of gen. func.: ogf

$$-4\,f(x)\,x+f(x)-7$$

Sequence: A002042
Score: 25.6514
Type of gen. func.: lgdogf

$$\frac{4}{1 - 4 x}$$

Sequence: A002042
Score: 28.7296
Type of gen. func.: ogf

$$- \frac{7}{4 x - 1}$$

Sequence: A002042
Score: 29.3970
Type of gen. func.: revegf]

$$-1/4 \ln(7) + 1/4 \ln(7 + 4 x)$$

Sequence: A002042
Score: 64.1388
Type of gen. func.: lgdogf

$$- \frac{4}{4 x - 1}$$

Sequence: A002054
Score: 5.80968
Type of gen. func.: ogf

$$\{(-4 n^2 - 26 n - 42) a(n + 1) + (n^2 + 7 n + 10) a(n + 2), a(0) = 1, a(1) = 5\}$$

Sequence: A002054
Score: 7.522
Type of gen. func.: ogf

$$-4 f(x)^2 x^4 + f(x)^2 x^3 + 4 f(x) x^2 - 5 f(x) x + f(x) - 1$$

Sequence: A002055
Score: 3.32881
Type of gen. func.: ogf

$$\{(4 n^2 + 30 n + 56) a(n + 1) + (7 n^2 + 77 n + 216) a(n + 2) + (-2 n^2 - 20 n - 42) a(n + 3), a(0) = 1, a(1) = 9, a(2) = 56\}$$

Sequence: A002057
Score: 12.1636
Type of gen. func.: lgdogf

$$\frac{8}{(1 - 4 x)^{1/2} (1 + (1 - 4 x)^{1/2})}$$

Sequence: A002057
Score: 18.2016
Type of gen. func.: lgdogf

$$\frac{8}{(1 - 4 x)^{1/2} (1 + (1 - 4 x)^{1/2})}$$

Sequence: A002057
Score: 5.93345
Type of gen. func.: ogf

$$\{(-4 n^2 - 26 n - 42) a(n + 1) + (n^2 + 8 n + 12) a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A002057
Score: 9.4781
Type of gen. func.: ogf

$$f(x)^2 x^4 - 2 f(x) x^2 + 4 f(x) x - f(x) + 1$$

Sequence: A002058
Score: 5.25953
Type of gen. func.: ogf

$$\{(-4 n^2 - 34 n - 72) a(n + 1) + (n^2 + 9 n + 14) a(n + 2), a(0) = 2, a(1) = 14\}$$

Sequence: A002058
Score: 7.85761
Type of gen. func.: lgdogf

$$\frac{- \frac{24 x - 5}{2 (4 x - 1)^{1/2}} + 5/2 I}{x (4 x - 1)^{1/2}}$$

Sequence: A002059
Score: 3.15668
Type of gen. func.: ogf

$$\{(-8 n^2 - 76 n - 180) a(n + 1) + (-34 n^2 - 432 n - 1400) a(n + 2)$$

$$+ (9 n^2 + 108 n + 243) a(n + 3), a(0) = 3, a(1) = 32, a(2) = 225\}$$

Sequence: A002061
Score: 13.6479
Type of gen. func.: lgdogf

$$- \frac{-3 x^2 - 2 x - 1}{-3 x^3 + 5 x^2 - 3 x + 1}$$

Sequence: A002061
Score: 14.3191
Type of gen. func.: ogf

$$- \frac{3 x^2 - 2 x + 1}{(-1 + x)^3}$$

Sequence: A002061
Score: 24.5024
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 2 x + 1}{(-1 + x) (3 x^2 - 2 x + 1)}$$

Sequence: A002061
Score: 7.59534
Type of gen. func.: ogf

$$-(4 f(x) - 3) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) - 2 x + 1)$$

Sequence: A002061
Score: 7.79879
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 1, a(2) = 3\}$$

Sequence: A002062
Score: 12.2584
Type of gen. func.: ogf

$$\frac{x (3 x - 2)}{(x^2 + x - 1) (-1 + x)^2}$$

Sequence: A002062
Score: 17.4607
Type of gen. func.: lgdogf

$$-\frac{9 x^3 - 5 x^2 - 5 x + 3}{(3 x - 2) (-1 + x) (x^2 + x - 1)}$$

Sequence: A002062
Score: 4.55313
Type of gen. func.: ogf

$$\{-a(n)\,n - a(n+1) + (2n-1)\,a(n+2) + (-n+1)\,a(n+3),\ a(0) = 0,\ a(1) = 2,\ a(2) = 3,\ a(3) = 5,\ a(4) = 7\}$$

Sequence: A002062
Score: 6.12922
Type of gen. func.: ogf

$$-(f(x) - 28)\,(f(x)\,x^4 - f(x)\,x^3 - 2\,f(x)\,x^2 + 3\,f(x)\,x - 3\,x^2 - f(x) + 2\,x)$$

Sequence: A002062
Score: 9.95998
Type of gen. func.: lgdogf

$$-\frac{-9\,x^3 + 5\,x^2 + 5\,x - 3}{-3\,x^4 + 2\,x^3 + 6\,x^2 - 7\,x + 2}$$

Sequence: A002063
Score: 13.8123
Type of gen. func.: ogf

$$\{a(n+1) - 4\,a(n),\ a(0) = 9\}$$

Sequence: A002063
Score: 17.5181
Type of gen. func.: ogf

$$-4\,f(x)\,x + f(x) - 9$$

Sequence: A002063
Score: 25.6514
Type of gen. func.: lgdogf

$$\frac{4}{1 - 4\,x}$$

Sequence: A002063
Score: 28.7296
Type of gen. func.: ogf

$$-\frac{9}{4x-1}$$

Sequence: A002063
Score: 29.3970
Type of gen. func.: revegf]

$$-1/2 \ln(3) + 1/4 \ln(4x+9)$$

Sequence: A002063
Score: 64.1388
Type of gen. func.: lgdogf

$$-\frac{4}{4x-1}$$

Sequence: A002064
Score: 12.4975
Type of gen. func.: ogf

$$-\frac{2x^2-2x+1}{(-1+x)(2x-1)^2}$$

Sequence: A002064
Score: 14.6786
Type of gen. func.: lgdogf

$$-\frac{4x^3-6x^2+6x-3}{(-1+x)(2x-1)(2x^2-2x+1)}$$

Sequence: A002064
Score: 6.80666
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 8 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A002064
Score: 6.86797
Type of gen. func.: ogf

$$(8 f(x) + 1) (4 f(x) x^3 - 8 f(x) x^2 + 5 f(x) x + 2 x^2 - f(x) - 2 x + 1)$$

Sequence: A002064
Score: 9.29690
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 6 x^2 + 6 x - 3}{4 x^4 - 10 x^3 + 10 x^2 - 5 x + 1}$$

Sequence: A002066
Score: 13.8515
Type of gen. func.: ogf

$$\{a(n + 1) - 4 a(n), a(0) = 10\}$$

Sequence: A002066
Score: 17.4793
Type of gen. func.: ogf

$$-4 f(x) x + f(x) - 10$$

Sequence: A002066
Score: 26.2189
Type of gen. func.: lgdogf

$$\frac{4}{1 - 4 x}$$

Sequence: A002066
Score: 28.2358
Type of gen. func.: ogf

$$-\frac{10}{4 x - 1}$$

Sequence: A002066
Score: 30.0591
Type of gen. func.: revegf]

$$-1/4 \ln(5) + 1/4 \ln(5 + 2 x)$$

Sequence: A002066
Score: 65.5834
Type of gen. func.: lgdogf

$$-\frac{4}{4 x - 1}$$

Sequence: A002081
Score: 11.5199
Type of gen. func.: ogf

$$\frac{2 (2 x^3 + 2 x^2 + 1)}{(x^2 + 1) (-1 + x)^2}$$

Sequence: A002081
Score: 13.9794
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 + 3 x^4 - x^3 + 5 x^2 + x + 1)}{(-1 + x) (x^2 + 1) (2 x^3 + 2 x^2 + 1)}$$

Sequence: A002081
Score: 4.26880

Type of gen. func.: ogf

$$\{(-3 - n)\, a(n + 1) + (n + 2)\, a(n + 2) + (-3 - n)\, a(n + 3) + (n + 2)\, a(n + 4),$$
$$a(0) = 2,\ a(1) = 4,\ a(2) = 8,\ a(3) = 16\}$$

Sequence: A002081
Score: 6.51903
Type of gen. func.: ogf

$$-f(x)\,(f(x)\,x^4 - 2\,f(x)\,x^3 + 2\,f(x)\,x^2 - 4\,x^3 - 2\,f(x)\,x - 4\,x^2 + f(x) - 2)$$

Sequence: A002081
Score: 8.66963
Type of gen. func.: lgdogf

$$-\frac{2\,x^5 + 6\,x^4 - 2\,x^3 + 10\,x^2 + 2\,x + 2}{2\,x^6 + x^3 - 3\,x^2 + x - 1}$$

Sequence: A002089
Score: 13.8515
Type of gen. func.: ogf

$$\{a(n + 1) - 4\,a(n),\ a(0) = 11\}$$

Sequence: A002089
Score: 17.4793
Type of gen. func.: ogf

$$-4\,f(x)\,x + f(x) - 11$$

Sequence: A002089
Score: 26.2189
Type of gen. func.: lgdogf

$$\frac{4}{1 - 4\,x}$$

Sequence: A002089
Score: 27.7468
Type of gen. func.: revegf]

$$-1/4 \ln(11) + 1/4 \ln(11 + 4 x)$$

Sequence: A002089
Score: 28.2358
Type of gen. func.: ogf

$$-\frac{11}{4 x - 1}$$

Sequence: A002089
Score: 65.5834
Type of gen. func.: lgdogf

$$-\frac{4}{4 x - 1}$$

Sequence: A002104
Score: 3.12956
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 1) + (2 n + 6) a(n + 2) + (-5 - n) a(n + 3) + a(n + 4),$$
$$a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 8\}$$

Sequence: A002107
Score: 22.5878
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{2}{-1 + x}$$

Sequence: A002119
Score: 11.8394
Type of gen. func.: lgdegf]

$$\frac{-2 + (4 x + 1)}{4 x + 1}$$

Sequence: A002119
Score: 15.3683
Type of gen. func.: lgdegf]

$$3 - 4 x + (4 + 16 x) f(x) + (16 x^2 + 8 x + 1) f(x)^2$$

Sequence: A002119
Score: 33.1632
Type of gen. func.: revegf]

$$\ln(1 + x) (\ln(1 + x) + 1)$$

Sequence: A002135
Score: 14.5419
Type of gen. func.: lgdegf]

$$- \frac{-x^2 + 2}{2 x - 2}$$

Sequence: A002135
Score: 33.0253
Type of gen. func.: lgdegf]

$$\frac{x^2 - 2}{2 (-1 + x)}$$

Sequence: A002135
Score: 4.15484
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) + (-2 n - 8) a(n + 3) + 2 a(n + 4), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 5\}$$

Sequence: A002136
Score: 18.1003
Type of gen. func.: lgdegf]

$$-\frac{-x^2 + 4}{2 x - 2}$$

Sequence: A002136
Score: 35.6306
Type of gen. func.: lgdegf]

$$\frac{(x - 2) (x + 2)}{2 (-1 + x)}$$

Sequence: A002136
Score: 5.10522
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) + (-2 n - 10) a(n + 3) + 2 a(n + 4), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 23\}$$

Sequence: A002137
Score: 15.4637
Type of gen. func.: lgdegf]

$$-\frac{-x^2 + 2 x}{2 x - 2}$$

Sequence: A002137
Score: 22.3665
Type of gen. func.: lgdegf]

$$(x^2 - 2 x) f(x) + (2 - 2 x) f(x)^2$$

Sequence: A002137
Score: 3.63851

Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) + (-6 - 2 n) a(n + 2) + (-6 - 2 n) a(n + 3) + 2 a(n + 4), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 1\}$$

Sequence: A002171
Score: 19.7210
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{4 x + 2}{-x^2 + 1}$$

Sequence: A002175
Score: 11.5205
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^4 + 2 x + 2}{-x^5 - x^4 - x^3 - x^2 - x - 1}$$

Sequence: A002203
Score: 12.2336
Type of gen. func.: lgdogf

$$- \frac{x^2 - 2 x - 1}{x^3 + x^2 - 3 x + 1}$$

Sequence: A002203
Score: 17.3989
Type of gen. func.: ogf

$$\frac{2 (-1 + x)}{x^2 + 2 x - 1}$$

Sequence: A002203

Score: 24.0379
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2x - 1}{(-1 + x)(x^2 + 2x - 1)}$$

Sequence: A002203
Score: 9.21117
Type of gen. func.: ogf

$$(5 f(x) - 9)(f(x) x^2 + 2 f(x) x - f(x) - 2x + 2)$$

Sequence: A002203
Score: 9.54817
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + a(n), a(0) = 2, a(1) = 2\}$$

Sequence: A002212
Score: 10.2227
Type of gen. func.: revogf

$$x/2 + 1/2 - \frac{(5x^2 - 2x + 1)^{1/2}}{2}$$

Sequence: A002212
Score: 11.6878
Type of gen. func.: ogf

$$-f(x)^2 x - f(x) x + f(x) + x - 1$$

Sequence: A002212
Score: 18.2016
Type of gen. func.: revogf

$$x/2 + 1/2 - \frac{(5x^2 - 2x + 1)^{1/2}}{}$$

^{2}

Sequence: A002212
Score: 9.24079
Type of gen. func.: lgdogf

$$\frac{(5x-1)^{1/2}(-1+x)^{1/2}+1-x}{2x(-1+x)^{3/2}(5x-1)^{1/2}}$$

Sequence: A002215
Score: 6.05048
Type of gen. func.: ogf

$$-f(x)^2x^3-4f(x)x^3-3f(x)x^2+x^3+2f(x)x-x^2+f(x)-3x-1$$

Sequence: A002248
Score: 4.54075
Type of gen. func.: ogf

$$-(98f(x)+127)$$

$$(4f(x)x^4-8f(x)x^3+7f(x)x^2-4f(x)x+4x^2+f(x)-2)$$

Sequence: A002248
Score: 8.02617
Type of gen. func.: lgdogf

$$-\frac{2(8x^5-8x^4-8x^3+16x^2-9x+2)}{(-1+x)(2x-1)(2x^2-1)(2x^2-x+1)}$$

Sequence: A002248
Score: 9.22122
Type of gen. func.: ogf

$$-\frac{2(2x^2-1)}{{}^{2}}$$

$$(2 x - 1) (-1 + x) (2 x - x + 1)$$

Sequence: A002249
Score: 10.4326
Type of gen. func.: lgdogf

$$-\frac{2 x^{2} - 8 x + 1}{2 x^{3} - 5 x^{2} + 3 x - 2}$$

Sequence: A002249
Score: 10.5982
Type of gen. func.: ogf

$$2 f(x) x^{2} - f(x) x + f(x) + x - 2$$

Sequence: A002249
Score: 14.8375
Type of gen. func.: ogf

$$-\frac{x - 2}{2 x^{2} - x + 1}$$

Sequence: A002249
Score: 22.7097
Type of gen. func.: lgdogf

$$-\frac{2 x^{2} - 8 x + 1}{(x - 2) (2 x^{2} - x + 1)}$$

Sequence: A002249
Score: 8.14252
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) + 2 a(n), a(0) = 2, a(1) = 1\}$$

Sequence: A002250
Score: 12.8146
Type of gen. func.: ogf

$$\frac{5 x - 1}{(4 x - 1) (3 x - 1)}$$

Sequence: A002250
Score: 13.6357
Type of gen. func.: lgdogf

$$- \frac{2 (30 x^2 - 12 x + 1)}{(4 x - 1) (3 x - 1) (5 x - 1)}$$

Sequence: A002250
Score: 14.6584
Type of gen. func.: revogf

$$\frac{-1 + 7 x + (x^2 + 6 x + 1)^{1/2}}{2 (-5 + 12 x)}$$

Sequence: A002250
Score: 6.5497
Type of gen. func.: ogf

$$-(f(x) + 1) (12 f(x) x^2 - 7 f(x) x + f(x) - 5 x + 1)$$

Sequence: A002250
Score: 7.10207
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) - 12 a(n), a(0) = -1, a(1) = -2\}$$

Sequence: A002250
Score: 8.54307
Type of gen. func.: lgdogf

$$-\frac{60 x^2 - 24 x + 2}{60 x^3 - 47 x^2 + 12 x - 1}$$

Sequence: A002264
Score: 10.5862
Type of gen. func.: ogf

$$f(x) x^4 - f(x) x^3 - x^3 - f(x) x + f(x)$$

Sequence: A002264
Score: 16.4901
Type of gen. func.: lgdogf

$$-\frac{4 x^2 + x + 1}{x^3 - 1}$$

Sequence: A002264
Score: 20.9143
Type of gen. func.: ogf

$$\frac{x^3}{(x^2 + x + 1) (-1 + x)^2}$$

Sequence: A002264
Score: 29.4191
Type of gen. func.: lgdogf

$$-\frac{4 x^2 + x + 1}{(-1 + x) (x^2 + x + 1)}$$

Sequence: A002264
Score: 34.1945
Type of gen. func.: ogf_with_Euler_transform]

$$[x^2 + 1]$$

Sequence: A002265
Score: 14.5337
Type of gen. func.: lgdogf

$$-\frac{5 x^3 + x^2 + x + 1}{x^4 - 1}$$

Sequence: A002265
Score: 20.7625
Type of gen. func.: lgdogf

-a(n + 4) + a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 5

Sequence: A002265
Score: 21.2689
Type of gen. func.: ogf

$$\frac{x^4}{(1 + x) (x^2 + 1) (-1 + x)^2}$$

Sequence: A002265
Score: 34.7808
Type of gen. func.: ogf_with_Euler_transform]

$$[x^3 + 1]$$

Sequence: A002266
Score: 12.8016
Type of gen. func.: lgdogf

$$-\frac{6 x^4 + x^3 + x^2 + x + 1}{x^5 - 1}$$

Sequence: A002266
Score: 19.4429
Type of gen. func.: lgdogf

$$-\frac{6 x^{4} + x^{3} + x^{2} + x + 1}{(-1 + x) (x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A002266
Score: 21.2320
Type of gen. func.: ogf

$$\frac{x^{5}}{(x^{4} + x^{3} + x^{2} + x + 1) (-1 + x)^{2}}$$

Sequence: A002266
Score: 34.7250
Type of gen. func.: ogf_with_Euler_transform]

$$[x^{4} + 1]$$

Sequence: A002275
Score: 11.679
Type of gen. func.: ogf

$$-10 f(x) x^{2} + 11 f(x) x - f(x) + x$$

Sequence: A002275
Score: 13.7003
Type of gen. func.: lgdogf

$$-\frac{20 x - 11}{10 x^{2} - 11 x + 1}$$

Sequence: A002275
Score: 18.0329
Type of gen. func.: revogf

$$-\frac{-11 x - 1 + (81 x^{2} + 22 x + 1)^{1/2}}{20 x}$$

Sequence: A002275
Score: 20.3548
Type of gen. func.: ogf

$$\frac{x}{(10 x - 1) (-1 + x)}$$

Sequence: A002275
Score: 26.0476
Type of gen. func.: lgdogf

$$-\frac{20 x - 11}{(10 x - 1) (-1 + x)}$$

Sequence: A002275
Score: 8.58335
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A002276
Score: 10.4605
Type of gen. func.: ogf

$$-10 f(x) x^{2} + 11 f(x) x - f(x) + 2 x$$

Sequence: A002276
Score: 12.2710
Type of gen. func.: lgdogf

$$20 x - 11$$

$$- \frac{}{10 x^2 - 11 x + 1}$$

Sequence: A002276
Score: 12.6732
Type of gen. func.: revogf

$$- \frac{-2 - 11 x + (81 x^2 + 44 x + 4)^{1/2}}{20 x}$$

Sequence: A002276
Score: 16.3613
Type of gen. func.: ogf

$$\frac{2 x}{(10 x - 1) (-1 + x)}$$

Sequence: A002276
Score: 18.3057
Type of gen. func.: lgdogf

$$- \frac{20 x - 11}{(10 x - 1) (-1 + x)}$$

Sequence: A002276
Score: 7.68783
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 0, a(1) = 2\}$$

Sequence: A002277
Score: 10.5160
Type of gen. func.: revogf

$$- \frac{-3 - 11 x + (27 x^2 + 22 x + 3)^{1/2} 3^{1/2}}{20 x}$$

Sequence: A002277
Score: 12.8955
Type of gen. func.: ogf

$$\frac{3x}{(10x-1)(-1+x)}$$

Sequence: A002277
Score: 18.3057
Type of gen. func.: lgdogf

$$-\frac{20x-11}{(10x-1)(-1+x)}$$

Sequence: A002277
Score: 6.05933
Type of gen. func.: ogf

$$\{a(n+2)-11a(n+1)+10a(n), a(0)=0, a(1)=3\}$$

Sequence: A002277
Score: 8.24467
Type of gen. func.: ogf

$$-10 f(x) x^{2} + 11 f(x) x - f(x) + 3x$$

Sequence: A002277
Score: 9.67162
Type of gen. func.: lgdogf

$$-\frac{20x-11}{10x^{2}-11x+1}$$

Sequence: A002278
Score: 12.3563
Type of gen. func.: revogf

$${}^{2} \qquad\qquad {}^{1/2}$$

$$-\frac{-4 - 11 x + (81 x + 88 x + 16)}{20 x}$$

Sequence: A002278
Score: 12.8955
Type of gen. func.: ogf

$$\frac{4 x}{(10 x - 1) (-1 + x)}$$

Sequence: A002278
Score: 18.3057
Type of gen. func.: lgdogf

$$-\frac{20 x - 11}{(10 x - 1) (-1 + x)}$$

Sequence: A002278
Score: 6.05933
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 0, a(1) = 4\}$$

Sequence: A002278
Score: 8.24467
Type of gen. func.: ogf

$$-10 f(x) x^2 + 11 f(x) x - f(x) + 4 x$$

Sequence: A002278
Score: 9.67162
Type of gen. func.: lgdogf

$$-\frac{20 x - 11}{10 x^2 - 11 x + 1}$$

Sequence: A002279
Score: 12.0550
Type of gen. func.: revogf

$$-\frac{-5 - 11 x + (81 x^{2} + 110 x + 25)^{1/2}}{20 x}$$

Sequence: A002279
Score: 12.8955
Type of gen. func.: ogf

$$\frac{5 x}{(10 x - 1) (-1 + x)}$$

Sequence: A002279
Score: 18.3057
Type of gen. func.: lgdogf

$$-\frac{20 x - 11}{(10 x - 1) (-1 + x)}$$

Sequence: A002279
Score: 6.05933
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 0, a(1) = 5\}$$

Sequence: A002279
Score: 8.24467
Type of gen. func.: ogf

$$-10 f(x) x^{2} + 11 f(x) x - f(x) + 5 x$$

Sequence: A002279
Score: 9.67162
Type of gen. func.: lgdogf

$$-\frac{20 x - 11}{{}^{2}}$$

$$10 x - 11 x + 1$$

Sequence: A002280
Score: 10.2969
Type of gen. func.: revogf

$$-\frac{-6 - 11 x + (27 x^2 + 44 x + 12)^{1/2} 3^{1/2}}{20 x}$$

Sequence: A002280
Score: 12.8955
Type of gen. func.: ogf

$$\frac{6 x}{(10 x - 1) (-1 + x)}$$

Sequence: A002280
Score: 18.3057
Type of gen. func.: lgdogf

$$-\frac{20 x - 11}{(10 x - 1) (-1 + x)}$$

Sequence: A002280
Score: 6.05933
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 0, a(1) = 6\}$$

Sequence: A002280
Score: 8.24467
Type of gen. func.: ogf

$$-10 f(x) x^2 + 11 f(x) x - f(x) + 6 x$$

Sequence: A002280
Score: 9.67162

Type of gen. func.: lgdogf

$$-\frac{20 x - 11}{10 x^2 - 11 x + 1}$$

Sequence: A002281
Score: 10.4605
Type of gen. func.: ogf

$$-10 f(x) x^2 + 11 f(x) x - f(x) + 7 x$$

Sequence: A002281
Score: 12.2710
Type of gen. func.: lgdogf

$$-\frac{20 x - 11}{10 x^2 - 11 x + 1}$$

Sequence: A002281
Score: 15.3440
Type of gen. func.: revogf

$$-\frac{-7 - 11 x + (81 x^2 + 154 x + 49)^{1/2}}{20 x}$$

Sequence: A002281
Score: 16.3613
Type of gen. func.: ogf

$$\frac{7 x}{(10 x - 1) (-1 + x)}$$

Sequence: A002281
Score: 23.3001
Type of gen. func.: lgdogf

$$20 x - 11$$

```
                             - -------------------
                               (10 x - 1) (-1 + x)



------------------------------------------------------------------------------

Sequence:  A002281
Score: 7.68783
Type of gen. func.: ogf


             {a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 0, a(1) = 7}



------------------------------------------------------------------------------

Sequence:  A002282
Score: 10.4605
Type of gen. func.: ogf


                                2
                      -10 f(x) x  + 11 f(x) x - f(x) + 8 x



------------------------------------------------------------------------------

Sequence:  A002282
Score: 12.2710
Type of gen. func.: lgdogf


                                    20 x - 11
                               - ----------------
                                         2
                                 10 x  - 11 x + 1



------------------------------------------------------------------------------

Sequence:  A002282
Score: 15.3440
Type of gen. func.: revogf


                                        2              1/2
                       -8 - 11 x + (81 x  + 176 x + 64)
                     - -----------------------------------
                                      20 x



------------------------------------------------------------------------------

Sequence:  A002282
Score: 16.3613
Type of gen. func.: ogf


                                      8 x
                              -------------------
                              (10 x - 1) (-1 + x)



------------------------------------------------------------------------------
```

Sequence: A002282
Score: 23.3001
Type of gen. func.: lgdogf

$$-\frac{20x-11}{(10x-1)(-1+x)}$$

Sequence: A002282
Score: 7.68783
Type of gen. func.: ogf

$$\{a(n+2)-11a(n+1)+10a(n), a(0)=0, a(1)=8\}$$

Sequence: A002283
Score: 10.5398
Type of gen. func.: ogf

$$\{a(n+2)-11a(n+1)+10a(n), a(0)=0, a(1)=9\}$$

Sequence: A002283
Score: 14.341
Type of gen. func.: ogf

$$-10 f(x) x^2 + 11 f(x) x - f(x) + 9 x$$

Sequence: A002283
Score: 15.7276
Type of gen. func.: revogf

$$-\frac{-9-11x+3(9x^2+22x+9)^{1/2}}{20x}$$

Sequence: A002283
Score: 16.8231
Type of gen. func.: lgdogf

$$-\frac{20x-11}{10x^2-11x+1}$$

Sequence: A002283
Score: 22.4308
Type of gen. func.: ogf

$$\frac{9 x}{(10 x - 1) (-1 + x)}$$

Sequence: A002283
Score: 23.3001
Type of gen. func.: lgdogf

$$- \frac{20 x - 11}{(10 x - 1) (-1 + x)}$$

Sequence: A002284
Score: 7.14784
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-13 x^7 + 2 x^6 - 3 x^5 + 2 x^4 - x^3 + 2 x^2 - 3 x + 2}{x^8 - 1}$$

Sequence: A002288
Score: 17.8415
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{16 x + 8}{-x^2 + 1}$$

Sequence: A002293
Score: 4.32342
Type of gen. func.: ogf

$$\{(-256 n^3 - 1152 n^2 - 1712 n - 840) a(n + 1)$$

$$+ (27 n^3 + 162 n^2 + 321 n + 210) a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A002294
Score: 3.55468
Type of gen. func.: ogf

$$\{(-3125 n^{4} - 18750 n^{3} - 41875 n^{2} - 41250 n - 15120) a(n + 1) + (256 n^{4} + 1920 n^{3} + 5360 n^{2} + 6600 n + 3024) a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A002299
Score: 15.8800
Type of gen. func.: lgdogf

$$- \frac{3 (x^{3} + 21 x^{2} + 35 x + 7)}{(-1 + x) (1 + x) (x^{2} + 14 x + 1)}$$

Sequence: A002299
Score: 6.31077
Type of gen. func.: ogf

$$\{(2 n^{2} + 17 n + 36) a(n + 1) + (-2 n^{2} - 7 n - 6) a(n + 2), a(0) = 1, a(1) = 21\}$$

Sequence: A002299
Score: 7.92066
Type of gen. func.: ogf

$$\frac{(1 + x) (x^{2} + 14 x + 1)}{(-1 + x)^{6}}$$

Sequence: A002299
Score: 9.95160
Type of gen. func.: lgdogf

$$- \frac{3 x^{3} + 63 x^{2} + 105 x + 21}{{}^{4} \qquad {}^{3}}$$

$$x + 14 x - 14 x - 1$$

Sequence: A002300
Score: 11.7217
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-5 x^{6} - 2 x^{5} - 2 x^{4} - 2 x^{3} - 2 x^{2} - 2 x - 2}{x^{7} - 1}$$

Sequence: A002301
Score: 13.5725
Type of gen. func.: egf]

$$\frac{2}{(-1 + x)^{4}}$$

Sequence: A002301
Score: 19.2079
Type of gen. func.: revegf]

$$\frac{-2 + (8 + 12 x)^{(1/3)}}{(8 + 12 x)^{1/3}}$$

Sequence: A002301
Score: 23.7519
Type of gen. func.: lgdegf]

$$\frac{4}{-x + 1}$$

Sequence: A002301
Score: 5.68421
Type of gen. func.: egf]

$$(f(x) + 2) (f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 4 f(x) x + f(x) - 2)$$

Sequence: A002301
Score: 7.55741
Type of gen. func.: ogf

$$\{(-5 - n) a(n + 1) + a(n + 2), a(0) = 2, a(1) = 8\}$$

Sequence: A002301
Score: 72.5632
Type of gen. func.: lgdegf]

$$-\frac{4}{-1 + x}$$

Sequence: A002302
Score: 3.83442
Type of gen. func.: egf]

$$\frac{2 (x^6 - 6 x^5 + 15 x^4 - 20 x^3 + 15 x^2 + 30 x + 15)}{15 (-1 + x)^6}$$

Sequence: A002302
Score: 8.45161
Type of gen. func.: lgdegf]

$$-\frac{60 (2 + 3 x)}{(-1 + x) (x^6 - 6 x^5 + 15 x^4 - 20 x^3 + 15 x^2 + 30 x + 15)}$$

Sequence: A002309
Score: 11.0039
Type of gen. func.: lgdogf

$$-\frac{2 (x^4 + 116 x^3 + 574 x^2 + 420 x + 41)}{(-1 + x) (x^4 + 76 x^3 + 230 x^2 + 76 x + 1)}$$

Sequence: A002309
Score: 6.92608
Type of gen. func.: lgdogf

$$-\frac{-2x^4-232x^3-1148x^2-840x-82}{-x^5-75x^4-154x^3+154x^2+75x+1}$$

Sequence: A002309
Score: 7.05434
Type of gen. func.: ogf

$$\frac{x^4+76x^3+230x^2+76x+1}{(-1+x)^6}$$

Sequence: A002310
Score: 10.6587
Type of gen. func.: lgdogf

$$-\frac{-3x^2+2x-2}{-3x^3+16x^2-8x+1}$$

Sequence: A002310
Score: 15.3959
Type of gen. func.: ogf

$$-\frac{3x-1}{x^2-5x+1}$$

Sequence: A002310
Score: 17.0026
Type of gen. func.: revogf

$$-\frac{-1-5x+(21x^2-2x+1)^{1/2}}{2(x+3)}$$

Sequence: A002310
Score: 20.0030
Type of gen. func.: lgdogf

```
          2
     3 x  - 2 x + 2
- ------------------------
                2
  (3 x - 1) (x  - 5 x + 1)
```

Sequence: A002310
Score: 7.61336
Type of gen. func.: ogf

```
                       2
-(77 f(x) - 61) (f(x) x  - 5 f(x) x + f(x) + 3 x - 1)
```

Sequence: A002310
Score: 8.44896
Type of gen. func.: ogf

```
{a(n + 2) - 5 a(n + 1) + a(n), a(0) = 1, a(1) = 2}
```

Sequence: A002315
Score: 11.4151
Type of gen. func.: lgdogf

```
      2
     x  + 2 x - 7
- -------------------
   3      2
  x  - 5 x  - 5 x + 1
```

Sequence: A002315
Score: 13.9903
Type of gen. func.: revogf

```
                  2            1/2
  -6 x - 1 + (32 x  + 16 x + 1)
- --------------------------------
             2 (-1 + x)
```

Sequence: A002315

Score: 16.2349
Type of gen. func.: ogf

$$\frac{1 + x}{x^2 - 6 x + 1}$$

Sequence: A002315
Score: 18.9546
Type of gen. func.: lgdogf

$$-\frac{x^2 + 2 x - 7}{(1 + x) (x^2 - 6 x + 1)}$$

Sequence: A002315
Score: 8.495
Type of gen. func.: ogf

$$(40 f(x) + 9) (f(x) x^2 - 6 f(x) x + f(x) - x - 1)$$

Sequence: A002315
Score: 8.90938
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A002316
Score: 4.17384
Type of gen. func.: ogf

$$-(20592 f(x) - 16103)$$

$$(f(x) x^4 + 6 f(x) x^3 + 11 f(x) x^2 - 2 x^3 - 6 f(x) x - 7 x^2 + f(x) + x - 1)$$

Sequence: A002316
Score: 7.57558
Type of gen. func.: lgdogf

6 5 4 3 2

$$-\frac{2 x + 14 x + 17 x + 16 x + 43 x + 8 x - 5}{(2 x^3 + 7 x^2 - x + 1) (x^4 + 6 x^3 + 11 x^2 - 6 x + 1)}$$

Sequence: A002316
Score: 8.02662
Type of gen. func.: ogf

$$\frac{2 x^3 + 7 x^2 - x + 1}{x^4 + 6 x^3 + 11 x^2 - 6 x + 1}$$

Sequence: A002317
Score: 4.22319
Type of gen. func.: ogf

$$-(20592 f(x) + 3899)$$

$$(f(x) x^4 + 6 f(x) x^3 + 11 f(x) x^2 + x^3 - 6 f(x) x + x^2 + f(x) + 7 x - 2)$$

Sequence: A002317
Score: 8.06736
Type of gen. func.: ogf

$$-\frac{x^3 + x^2 + 7 x - 2}{x^4 + 6 x^3 + 11 x^2 - 6 x + 1}$$

Sequence: A002317
Score: 8.08245
Type of gen. func.: lgdogf

$$-\frac{x^6 + 2 x^5 + 16 x^4 + 88 x^3 + 44 x^2 - 46 x + 5}{(x^3 + x^2 + 7 x - 2) (x^4 + 6 x^3 + 11 x^2 - 6 x + 1)}$$

Sequence: A002320
Score: 12.9824
Type of gen. func.: ogf

$$-\frac{2x-1}{x^2-5x+1}$$

Sequence: A002320
Score: 14.2961
Type of gen. func.: revogf

$$-\frac{-1-5x+(21x^2+2x+1)^{1/2}}{2(x+2)}$$

Sequence: A002320
Score: 16.3384
Type of gen. func.: lgdogf

$$-\frac{2x^2-2x+3}{(2x-1)(x^2-5x+1)}$$

Sequence: A002320
Score: 6.49119
Type of gen. func.: ogf

$$-(13f(x)-4)(f(x)x^2-5f(x)x+f(x)+2x-1)$$

Sequence: A002320
Score: 7.12448
Type of gen. func.: ogf

$$\{a(n+2)-5a(n+1)+a(n),\ a(0)=1,\ a(1)=3\}$$

Sequence: A002320
Score: 8.98780
Type of gen. func.: lgdogf

$$-\frac{-2x^2+2x-3}{}$$

$$-2 x^3 + 11 x^2 - 7 x + 1$$

Sequence: A002370
Score: 3.89523
Type of gen. func.: ogf

$$\{(-4 n^3 - 24 n^2 - 47 n - 30) a(n + 1) + (4 n^2 + 20 n + 25) a(n + 2) - a(n + 3),$$
$$a(0) = 1, a(1) = 1, a(2) = 6\}$$

Sequence: A002378
Score: 10.8253
Type of gen. func.: ogf

$$f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 2 x$$

Sequence: A002378
Score: 18.5233
Type of gen. func.: ogf

$$-\frac{2 x}{(-1 + x)^3}$$

Sequence: A002378
Score: 29.7696
Type of gen. func.: lgdogf

$$\frac{3}{-x + 1}$$

Sequence: A002378
Score: 7.50944
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 2, a(2) = 6\}$$

Sequence: A002378
Score: 91.3058
Type of gen. func.: lgdogf

$$-\frac{3}{-1 + x}$$

Sequence: A002408
Score: 14.9944
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-8 x^3 - 8 x^2 - 8}{x^4 - 1}$$

Sequence: A002409
Score: 21.5160
Type of gen. func.: lgdogf

$$\frac{14}{-2 x + 1}$$

Sequence: A002409
Score: 5.88644
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (16 + 2 n) a(n + 1), a(0) = 1, a(1) = 14\}$$

Sequence: A002409
Score: 50.9517
Type of gen. func.: lgdogf

$$-\frac{14}{2 x - 1}$$

Sequence: A002409
Score: 7.70325
Type of gen. func.: ogf

1

```
- ----------
           7
  (2 x - 1)
```

Sequence: A002411
Score: 12.6334
Type of gen. func.: ogf

$$\frac{x\,(1 + 2\,x)}{(-1 + x)^{4}}$$

Sequence: A002411
Score: 17.1077
Type of gen. func.: lgdogf

$$-\frac{6 + 6\,x}{2\,x^{2} - x - 1}$$

Sequence: A002411
Score: 35.2094
Type of gen. func.: lgdogf

$$-\frac{6\,(1 + x)}{(1 + 2\,x)\,(-1 + x)}$$

Sequence: A002411
Score: 5.51120
Type of gen. func.: ogf

{(n + 2) a(n + 3) + (-5 + n) a(n + 2) + (-6 - 2 n) a(n + 1), a(0) = 0, a(1) = 1,

a(2) = 6}

Sequence: A002411
Score: 6.08273
Type of gen. func.: ogf

$$-(5130\,f(x) + 6151)$$

$$(f(x)\,x^{4} - 4\,f(x)\,x^{3} + 6\,f(x)\,x^{2} - 4\,f(x)\,x - 2\,x^{2} + f(x) - x)$$

Sequence: A002412
Score: 11.1234
Type of gen. func.: ogf

$$\frac{x\,(1 + 3\,x)}{(-1 + x)^{4}}$$

Sequence: A002412
Score: 15.0629
Type of gen. func.: lgdogf

$$-\frac{-9\,x - 7}{-3\,x^{2} + 2\,x + 1}$$

Sequence: A002412
Score: 30.9545
Type of gen. func.: lgdogf

$$-\frac{7 + 9\,x}{(1 + 3\,x)\,(-1 + x)}$$

Sequence: A002412
Score: 4.85248
Type of gen. func.: ogf

$$\{(-n - 2)\,a(n + 3) + (5 - 2\,n)\,a(n + 2) + (9 + 3\,n)\,a(n + 1),\ a(0) = 0,\ a(1) = 1,\ a(2) = 7\}$$

Sequence: A002412
Score: 5.20159
Type of gen. func.: ogf

$$-(105728\,f(x) + 167481)\,(f(x)\,x^{4} - 4\,f(x)\,x^{3} + 6\,f(x)\,x^{2} - 4\,f(x)\,x - 3\,x^{2} + f(x) - x)$$

Sequence: A002413
Score: 11.7692
Type of gen. func.: ogf

$$\frac{x (4 x + 1)}{(-1 + x)^4}$$

Sequence: A002413
Score: 15.6121
Type of gen. func.: lgdogf

$$-\frac{-12 x - 8}{-4 x^2 + 3 x + 1}$$

Sequence: A002413
Score: 30.1542
Type of gen. func.: lgdogf

$$-\frac{4 (2 + 3 x)}{(4 x + 1) (-1 + x)}$$

Sequence: A002413
Score: 5.09997
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 3) + (5 - 3 n) a(n + 2) + (12 + 4 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 8\}$$

Sequence: A002413
Score: 5.54345
Type of gen. func.: ogf

$$-(95750 f(x) + 189209) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 4 x^2 + f(x) - x)$$

Sequence: A002414

Score: 12.5180
Type of gen. func.: ogf

$$\frac{1 + 5 x}{(-1 + x)^4}$$

Sequence: A002414
Score: 15.5836
Type of gen. func.: lgdogf

$$- \frac{-15 x - 9}{-5 x^2 + 4 x + 1}$$

Sequence: A002414
Score: 29.9537
Type of gen. func.: lgdogf

$$- \frac{3 (3 + 5 x)}{(1 + 5 x) (-1 + x)}$$

Sequence: A002414
Score: 5.02367
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-1 + 4 n) a(n + 2) + (-20 - 5 n) a(n + 1), a(0) = 1, a(1) = 9, a(2) = 30\}$$

Sequence: A002414
Score: 5.78483
Type of gen. func.: ogf

$$(592704 f(x) + 2313839) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + f(x) - 5 x - 1)$$

Sequence: A002415
Score: 10.4560
Type of gen. func.: ogf

$$-\frac{x^2 (1 + x)}{(-1 + x)^5}$$

Sequence: A002415
Score: 18.7733
Type of gen. func.: lgdogf

$$-\frac{4 x + 6}{x^2 - 1}$$

Sequence: A002415
Score: 35.5891
Type of gen. func.: lgdogf

$$-\frac{2 (2 x + 3)}{(-1 + x) (1 + x)}$$

Sequence: A002415
Score: 39.0809
Type of gen. func.: ogf_with_Euler_transform]

[6 - x]

Sequence: A002415
Score: 6.25777
Type of gen. func.: ogf

{(n + 1) a(n + 3) - 6 a(n + 2) + (-3 - n) a(n + 1), a(0) = 0, a(1) = 0,

a(2) = 1}

Sequence: A002417
Score: 11.4035
Type of gen. func.: ogf

$$-\frac{1 + 3 x}{(-1 + x)^5}$$

Sequence: A002417
Score: 16.5234
Type of gen. func.: lgdogf

$$-\frac{-12 x - 8}{-3 x^2 + 2 x + 1}$$

Sequence: A002417
Score: 31.7997
Type of gen. func.: lgdogf

$$-\frac{4 (2 + 3 x)}{(1 + 3 x) (-1 + x)}$$

Sequence: A002417
Score: 5.32662
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-4 + 2 n) a(n + 2) + (-15 - 3 n) a(n + 1), a(0) = 1,$$
$$a(1) = 8, a(2) = 30\}$$

Sequence: A002418
Score: 14.4072
Type of gen. func.: lgdogf

$$-\frac{-16 x - 9}{-4 x^2 + 3 x + 1}$$

Sequence: A002418
Score: 28.9668
Type of gen. func.: lgdogf

$$-\frac{9 + 16 x}{(4 x + 1) (-1 + x)}$$

Sequence: A002418
Score: 4.70635
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 3) + (6 - 3 n) a(n + 2) + (16 + 4 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 9\}$$

Sequence: A002418
Score: 9.41271
Type of gen. func.: ogf

$$-\frac{x (4 x + 1)}{(-1 + x)^{5}}$$

Sequence: A002419
Score: 10.4477
Type of gen. func.: ogf

$$-\frac{1 + 5 x}{(-1 + x)^{5}}$$

Sequence: A002419
Score: 14.8358
Type of gen. func.: lgdogf

$$-\frac{-20 x - 10}{-5 x^{2} + 4 x + 1}$$

Sequence: A002419
Score: 27.9790
Type of gen. func.: lgdogf

$$-\frac{10 (1 + 2 x)}{(1 + 5 x) (-1 + x)}$$

Sequence: A002419
Score: 4.84829

Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-2 + 4 n) a(n + 2) + (-25 - 5 n) a(n + 1), a(0) = 1, a(1) = 10, a(2) = 40\}$$

Sequence: A002420
Score: 23.2179
Type of gen. func.: ogf

$$4 x - 1 + f(x)^2$$

Sequence: A002420
Score: 25.7055
Type of gen. func.: lgdogf

$$\frac{2}{4 x - 1}$$

Sequence: A002420
Score: 6.92072
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) + (-2 - 4 n) a(n + 1), a(0) = 1, a(1) = -2\}$$

Sequence: A002420
Score: 79.6396
Type of gen. func.: lgdogf

$$\frac{2}{4 x - 1}$$

Sequence: A002421
Score: 15.3054
Type of gen. func.: ogf

$$64 x^3 - 48 x^2 + 12 x - 1 + f(x)^2$$

Sequence: A002421
Score: 27.3311
Type of gen. func.: lgdogf

$$\frac{6}{4 x - 1}$$

Sequence: A002421
Score: 7.35837
Type of gen. func.: ogf

{(n + 2) a(n + 2) + (2 - 4 n) a(n + 1), a(0) = 1, a(1) = -6}

Sequence: A002421
Score: 75.5066
Type of gen. func.: lgdogf

$$\frac{6}{4 x - 1}$$

Sequence: A002422
Score: 19.6614
Type of gen. func.: lgdogf

$$\frac{10}{4 x - 1}$$

Sequence: A002422
Score: 37.6114
Type of gen. func.: lgdogf

$$-10 + (4 x - 1) f(x)$$

Sequence: A002422
Score: 5.43029
Type of gen. func.: ogf

{(n + 2) a(n + 2) + (6 - 4 n) a(n + 1), a(0) = 1, a(1) = -10}

Sequence: A002423
Score: 19.8783
Type of gen. func.: lgdogf

$$\frac{14}{4 x - 1}$$

Sequence: A002423
Score: 33.5180
Type of gen. func.: lgdogf

$$-14 + (4 x - 1) f(x)$$

Sequence: A002423
Score: 5.43841
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) + (10 - 4 n) a(n + 1), a(0) = 1, a(1) = -14\}$$

Sequence: A002424
Score: 21.0166
Type of gen. func.: lgdogf

$$\frac{18}{4 x - 1}$$

Sequence: A002424
Score: 40.2095
Type of gen. func.: lgdogf

$$-18 + (4 x - 1) f(x)$$

Sequence: A002424
Score: 5.74982
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) + (14 - 4 n) a(n + 1), a(0) = 1, a(1) = -18\}$$

Sequence: A002426
Score: 12.4711
Type of gen. func.: ogf

$$-3 f(x)^2 x^2 - 2 f(x)^2 x + f(x)^2 - 1$$

Sequence: A002426
Score: 16.3683
Type of gen. func.: lgdogf

$$-\frac{-3 x - 1}{-3 x^2 - 2 x + 1}$$

Sequence: A002426
Score: 19.1571
Type of gen. func.: revogf

$$\frac{(-x + (4 x^2 + 1)^{1/2}) x}{3 x^2 + 1}$$

Sequence: A002426
Score: 27.8648
Type of gen. func.: lgdogf

$$-\frac{1 + 3 x}{(1 + x) (3 x - 1)}$$

Sequence: A002426
Score: 5.23785
Type of gen. func.: ogf

$\{(n + 3) a(n + 3) + (-5 - 2 n) a(n + 2) + (-6 - 3 n) a(n + 1), a(0) = 1,$

$a(1) = 1, a(2) = 3\}$

Sequence: A002446
Score: 10.3631
Type of gen. func.: ogf

$$-4 f(x) x^2 + 5 f(x) x - f(x) + 6 x$$

Sequence: A002446
Score: 12.7379
Type of gen. func.: lgdogf

$$-\frac{8 x - 5}{4 x^2 - 5 x + 1}$$

Sequence: A002446
Score: 16.5249
Type of gen. func.: ogf

$$\frac{6 x}{(4 x - 1) (-1 + x)}$$

Sequence: A002446
Score: 24.0806
Type of gen. func.: lgdogf

$$-\frac{8 x - 5}{(4 x - 1) (-1 + x)}$$

Sequence: A002446
Score: 7.54841
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 6\}$$

Sequence: A002447
Score: 10.9542
Type of gen. func.: lgdogf

$$-\frac{9 x^2 + 4 x}{3 x^3 + 2 x^2 - 1}$$

```
------------------------------------------------------------------------------

Sequence:  A002447
Score: 18.5890
Type of gen. func.: ogf


                                        1
                               - ---------------
                                    3      2
                                 3 x  + 2 x  - 1



------------------------------------------------------------------------------

Sequence:  A002447
Score: 22.3348
Type of gen. func.: lgdogf


                                   x (4 + 9 x)
                               - ---------------
                                    3      2
                                 3 x  + 2 x  - 1



------------------------------------------------------------------------------

Sequence:  A002447
Score: 6.59609
Type of gen. func.: ogf


         {a(n + 3) - 2 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 0, a(2) = 2}



------------------------------------------------------------------------------

Sequence:  A002447
Score: 7.21689
Type of gen. func.: ogf


                                        3            2
              (143 f(x) - 207) (3 f(x) x  + 2 f(x) x  - f(x) + 1)



------------------------------------------------------------------------------

Sequence:  A002448
Score: 13.4800
Type of gen. func.: ogf_with_Euler_transform]


                                      -x - 2
                                    - ------
                                       2
                                      x  - 1



------------------------------------------------------------------------------

Sequence:  A002450
Score: 12.3697
```

Type of gen. func.: ogf

$$-4 f(x) x^2 + 5 f(x) x - f(x) + x$$

Sequence: A002450
Score: 15.2045
Type of gen. func.: lgdogf

$$-\frac{8 x - 5}{4 x^2 - 5 x + 1}$$

Sequence: A002450
Score: 17.5620
Type of gen. func.: revogf

$$-\frac{-1 - 5 x + (1 + x)^{1/2} (9 x + 1)^{1/2}}{8 x}$$

Sequence: A002450
Score: 22.1156
Type of gen. func.: ogf

$$\frac{x}{(4 x - 1) (-1 + x)}$$

Sequence: A002450
Score: 28.8016
Type of gen. func.: lgdogf

$$-\frac{8 x - 5}{(4 x - 1) (-1 + x)}$$

Sequence: A002450
Score: 9.01005
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A002451
Score: 10.3342
Type of gen. func.: lgdogf

$$-\frac{108 x^2 - 98 x + 14}{36 x^3 - 49 x^2 + 14 x - 1}$$

Sequence: A002451
Score: 16.7803
Type of gen. func.: lgdogf

$$-\frac{2 (54 x^2 - 49 x + 7)}{(-1 + x) (4 x - 1) (-1 + 9 x)}$$

Sequence: A002451
Score: 18.3432
Type of gen. func.: ogf

$$-\frac{1}{(-1 + x) (4 x - 1) (-1 + 9 x)}$$

Sequence: A002451
Score: 6.21804
Type of gen. func.: ogf

$\{a(n + 3) - 14 a(n + 2) + 49 a(n + 1) - 36 a(n), a(0) = 1, a(1) = 14,$

$a(2) = 147\}$

Sequence: A002451
Score: 6.38026
Type of gen. func.: ogf

$$(12951991 f(x) - 1146960) (36 f(x) x^3 - 49 f(x) x^2 + 14 f(x) x - f(x) + 1)$$

Sequence: A002452
Score: 13.5349
Type of gen. func.: ogf

$$-9 f(x) x^2 + 10 f(x) x - f(x) + x$$

Sequence: A002452
Score: 15.9234
Type of gen. func.: lgdogf

$$-\frac{18 x - 10}{9 x^2 - 10 x + 1}$$

Sequence: A002452
Score: 17.4497
Type of gen. func.: revogf

$$-\frac{-10 x - 1 + (16 x + 1)^{1/2} (4 x + 1)^{1/2}}{18 x}$$

Sequence: A002452
Score: 23.8851
Type of gen. func.: ogf

$$\frac{x}{(-1 + 9 x) (-1 + x)}$$

Sequence: A002452
Score: 29.7291
Type of gen. func.: lgdogf

$$-\frac{2 (-5 + 9 x)}{(-1 + 9 x) (-1 + x)}$$

Sequence: A002452
Score: 9.90356
Type of gen. func.: ogf

$\{a(n + 2) - 10 a(n + 1) + 9 a(n), a(0) = 0, a(1) = 1\}$

Sequence: A002453
Score: 12.1616
Type of gen. func.: lgdogf

$$-\frac{675 x^2 - 518 x + 35}{(-1 + x) (25 x - 1) (-1 + 9 x)}$$

Sequence: A002453
Score: 13.0048
Type of gen. func.: ogf

$$-\frac{1}{(-1 + x) (25 x - 1) (-1 + 9 x)}$$

Sequence: A002453
Score: 4.44065
Type of gen. func.: ogf

$(96537181507 f(x) - 1341511875)$

$(225 f(x) x^3 - 259 f(x) x^2 + 35 f(x) x - f(x) + 1)$

Sequence: A002453
Score: 4.55167
Type of gen. func.: ogf

$\{a(n + 3) - 35 a(n + 2) + 259 a(n + 1) - 225 a(n), a(0) = 1, a(1) = 35,$

$a(2) = 966\}$

Sequence: A002453
Score: 7.38108
Type of gen. func.: lgdogf

$$-\frac{675 x^2 - 518 x + 35}{225 x^3 - 259 x^2 + 35 x - 1}$$

Sequence: A002454
Score: 5.06268
Type of gen. func.: ogf

$$\{(4 n^2 + 16 n + 16) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A002456
Score: 5.38610
Type of gen. func.: ogf

$$\{(-2 n^3 - 15 n^2 - 37 n - 30) a(n + 1) + (n + 1) a(n + 2), a(0) = 0, a(1) = 1\}$$

Sequence: A002457
Score: 22.6203
Type of gen. func.: lgdogf

$$\frac{6}{1 - 4 x}$$

Sequence: A002457
Score: 56.4388
Type of gen. func.: lgdogf

$$- \frac{6}{4 x - 1}$$

Sequence: A002457
Score: 6.03209
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (10 + 4 n) a(n + 1), a(0) = 1, a(1) = 6\}$$

Sequence: A002457
Score: 7.54012
Type of gen. func.: ogf

2 3 2 2 2 2

```
              -64 f(x)  x  + 48 f(x)  x  - 12 f(x)  x + f(x)  - 1



-------------------------------------------------------------------------------

Sequence:  A002458
Score: 10.9926
Type of gen. func.: lgdogf


                         2                          3       2            2
     -10 + 288 x + (768 x  - 64 x + 1) f(x) + (512 x  - 64 x  + 2 x) f(x)



-------------------------------------------------------------------------------

Sequence:  A002458
Score: 5.28608
Type of gen. func.: ogf


       2                               2
{(-32 n  - 128 n - 126) a(n + 1) + (2 n  + 9 n + 10) a(n + 2), a(0) = 1,

    a(1) = 10}



-------------------------------------------------------------------------------

Sequence:  A002466
Score: 7.34803
Type of gen. func.: ogf


                    9      6      5      4      3      2
                 2 x  + 2 x  - 2 x  + 7 x  + 4 x  + 2 x  + x + 1
               - -----------------------------------------------
                                   10      5
                                2 x   + 15 x  - 1



-------------------------------------------------------------------------------

Sequence:  A002467
Score: 5.42228
Type of gen. func.: ogf


 {(n + 2) a(n + 1) + (n + 2) a(n + 2) - a(n + 3), a(0) = 0, a(1) = 1, a(2) = 1}



-------------------------------------------------------------------------------

Sequence:  A002474
Score: 4.48218
Type of gen. func.: ogf


              2
         {(4 n  + 20 n + 24) a(n + 1) - a(n + 2), a(0) = 2, a(1) = 16}



-------------------------------------------------------------------------------

Sequence:  A002477
```

Score: 3.65012
Type of gen. func.: ogf

```
(13579795031 f(x) - 310414200)

                  3              2
    (1000 f(x) x  - 1110 f(x) x  + 111 f(x) x - f(x) + 10 x + 1)
```

Sequence: A002477
Score: 3.76600
Type of gen. func.: ogf

```
{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 1, a(1) = 121,

    a(2) = 12321}
```

Sequence: A002477
Score: 6.92919
Type of gen. func.: lgdogf

```
                                3          2
                         20000 x  - 8100 x  - 2220 x + 121
                   - ------------------------------------------
                     (-1 + x) (10 x + 1) (100 x - 1) (10 x - 1)
```

Sequence: A002477
Score: 7.65348
Type of gen. func.: ogf

```
                                    10 x + 1
                        - -------------------------------
                          (-1 + x) (100 x - 1) (10 x - 1)
```

Sequence: A002478
Score: 12.2378
Type of gen. func.: lgdogf

```
                                        2
                                    -3 x  - 4 x - 1
                                  - ----------------
                                      3      2
                                    -x  - 2 x  - x + 1
```

Sequence: A002478
Score: 19.1029
Type of gen. func.: ogf

$$-\frac{1}{x^3 + 2x^2 + x - 1}$$

Sequence: A002478
Score: 25.6411
Type of gen. func.: lgdogf

$$-\frac{(1 + x)(1 + 3x)}{x^3 + 2x^2 + x - 1}$$

Sequence: A002478
Score: 6.99302
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 2a(n + 1) + a(n),\ a(0) = 1,\ a(1) = 1,\ a(2) = 3\}$$

Sequence: A002478
Score: 7.60406
Type of gen. func.: ogf

$$-(2f(x) - 5)(f(x)x^3 + 2f(x)x^2 + f(x)x - f(x) + 1)$$

Sequence: A002483
Score: 12.8897
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{3x^7}{x^8 - 1}$$

Sequence: A002492
Score: 11.7477
Type of gen. func.: ogf

$$\frac{4(1 + x)x}{^{4}}$$

$$(-1 + x)$$

Sequence: A002492
Score: 17.3545
Type of gen. func.: lgdogf

$$-\frac{3 x + 5}{x^{2} - 1}$$

Sequence: A002492
Score: 35.8348
Type of gen. func.: lgdogf

$$-\frac{3 x + 5}{(-1 + x) (1 + x)}$$

Sequence: A002492
Score: 36.1122
Type of gen. func.: ogf_with_Euler_transform]

$$[5 - x]$$

Sequence: A002492
Score: 5.69849
Type of gen. func.: ogf

$$-(536 f(x) + 1793)$$

$$(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 4 f(x) x - 4 x^{2} + f(x) - 4 x)$$

Sequence: A002492
Score: 5.69849
Type of gen. func.: ogf

$$\{(n + 2) a(n + 3) - 5 a(n + 2) + (-3 - n) a(n + 1), a(0) = 0, a(1) = 4, a(2) = 20\}$$

Sequence: A002501
Score: 11.6105
Type of gen. func.: lgdogf

$$- \frac{840 x^3 - 53 x^2 - 122 x + 19}{(1 + 5 x) (4 x - 1) (3 x - 1) (7 x - 1)}$$

Sequence: A002501
Score: 12.4499
Type of gen. func.: ogf

$$- \frac{1 + 5 x}{(3 x - 1) (7 x - 1) (4 x - 1)}$$

Sequence: A002501
Score: 5.90843
Type of gen. func.: ogf

$\{a(n + 3) - 14 a(n + 2) + 61 a(n + 1) - 84 a(n), a(0) = 1, a(1) = 19,$

$a(2) = 205\}$

Sequence: A002501
Score: 6.11575
Type of gen. func.: ogf

$$(58056 f(x) - 63721) (84 f(x) x^3 - 61 f(x) x^2 + 14 f(x) x - f(x) + 5 x + 1)$$

Sequence: A002501
Score: 7.74661
Type of gen. func.: lgdogf

$$- \frac{-840 x^3 + 53 x^2 + 122 x - 19}{-420 x^4 + 221 x^3 - 9 x^2 - 9 x + 1}$$

Sequence: A002502
Score: 4.93201
Type of gen. func.: ogf

$$\frac{480 x^3 + 136 x^2 - 27 x - 1}{(6 x - 1) (5 x - 1) (15 x - 1) (4 x - 1) (8 x - 1)}$$

Sequence: A002506
Score: 4.81900
Type of gen. func.: ogf

$$\{(4 n^2 + 24 n + 32) a(n + 1) - a(n + 2), a(0) = 8, a(1) = 96\}$$

Sequence: A002507
Score: 12.3251
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-2 x^4 + 8 x^3 + 12 x^2 + 8 x - 2}{-x^6 + 1}$$

Sequence: A002508
Score: 12.9224
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^4 - 8 x^3 - 12 x^2 - 8 x + 2}{-x^6 + 1}$$

Sequence: A002512
Score: 12.5373
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{4 x^3 + 2 x^2 + 2 x + 2}{x^4 - 1}$$

Sequence: A002513
Score: 18.6584
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x-1}{-x^2+1}$$

Sequence: A002521
Score: 2.17923
Type of gen. func.: ogf

$$(f(x)-1)^2\,(-2184\,x^3+f(x)-1)$$

Sequence: A002522
Score: 13.0856
Type of gen. func.: lgdogf

$$-\frac{-2x^2-2x-2}{-2x^3+3x^2-2x+1}$$

Sequence: A002522
Score: 13.7292
Type of gen. func.: ogf

$$-\frac{2x^2-x+1}{(-1+x)^3}$$

Sequence: A002522
Score: 26.5081
Type of gen. func.: lgdogf

$$-\frac{2\,(x^2+x+1)}{(-1+x)\,(2x^2-x+1)}$$

Sequence: A002522
Score: 7.41132
Type of gen. func.: ogf

$$(76 f(x) - 31) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x) - x + 1)$$

Sequence: A002522
Score: 7.47750
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A002523
Score: 6.12925
Type of gen. func.: ogf

$$- \frac{2 x^4 + 7 x^3 + 17 x^2 - 3 x + 1}{(-1 + x)^5}$$

Sequence: A002523
Score: 9.12385
Type of gen. func.: lgdogf

$$- \frac{2 (x^4 + 11 x^3 + 36 x^2 + 11 x + 1)}{(-1 + x) (2 x^4 + 7 x^3 + 17 x^2 - 3 x + 1)}$$

Sequence: A002524
Score: 14.3861
Type of gen. func.: lgdogf

$$- \frac{4 x^5 - 5 x^4 - 4 x^3 + 6 x^2 + 1}{(-1 + x) (x^5 - 2 x^3 - 2 x + 1)}$$

Sequence: A002524
Score: 14.6477
Type of gen. func.: ogf

$$- \frac{-1 + x}{}$$

$$x^5 - 2 x^3 - 2 x + 1$$

Sequence: A002524
Score: 7.18820
Type of gen. func.: lgdogf

$$-\frac{-4 x^5 + 5 x^4 + 4 x^3 - 6 x^2 - 1}{-x^6 + x^5 + 2 x^4 - 2 x^3 + 2 x^2 - 3 x + 1}$$

Sequence: A002525
Score: 14.7385
Type of gen. func.: ogf

$$\frac{x}{x^5 - 2 x^3 - 2 x + 1}$$

Sequence: A002525
Score: 18.6580
Type of gen. func.: lgdogf

$$-\frac{5 x^4 - 6 x^2 - 2}{x^5 - 2 x^3 - 2 x + 1}$$

Sequence: A002525
Score: 6.43916
Type of gen. func.: ogf

$$-(6 f(x) + 1) (f(x) x^5 - 2 f(x) x^3 - 2 f(x) x + f(x) - x)$$

Sequence: A002525
Score: 9.75344
Type of gen. func.: lgdogf

$$-\frac{-5 x^4 + 6 x^2 + 2}{}$$

$$-x^5 + 2x^3 + 2x - 1$$

Sequence: A002527
Score: 4.77736
Type of gen. func.: ogf

$$x (1 + x) (x^6 + x^5 - x^4 - x^3 - x^2 + x - 1) / ((-1 + x) (x^{13} + 3 x^{12} + 3 x^{11} + 5 x^{10} + 9 x^9 + 7 x^8 - 3 x^7 - 19 x^6 - 21 x^5 - 13 x^4 - 3 x^3 - 3 x^2 - x + 1))$$

Sequence: A002528
Score: 5.91993
Type of gen. func.: ogf

$$- 2 x^2 / ((-1 + x) (x^{13} + 3 x^{12} + 3 x^{11} + 5 x^{10} + 9 x^9 + 7 x^8 - 3 x^7 - 19 x^6 - 21 x^5 - 13 x^4 - 3 x^3 - 3 x^2 - x + 1))$$

Sequence: A002529
Score: 5.29755
Type of gen. func.: ogf

$$2 x^2 (x^4 + x^3 - x^2 - x - 1) / ((-1 + x) (x^{13} + 3 x^{12} + 3 x^{11} + 5 x^{10} + 9 x^9 + 7 x^8 - 3 x^7 - 19 x^6 - 21 x^5 - 13 x^4 - 3 x^3 - 3 x^2 - x + 1))$$

Sequence: A002530
Score: 13.1004
Type of gen. func.: ogf

$$- \frac{x (x^2 - x - 1)}{x^4 - 4 x^2 + 1}$$

Sequence: A002530
Score: 14.0781
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 3 x^4 - 4 x^3 + 4 x^2 + 6 x + 1}{(x^2 - x - 1) (x^4 - 4 x^2 + 1)}$$

Sequence: A002530
Score: 7.83456
Type of gen. func.: ogf

$$-(11 f(x) + 2) (f(x) x^4 - 4 f(x) x^2 + x^3 - x^2 + f(x) - x)$$

Sequence: A002531
Score: 10.6317
Type of gen. func.: lgdogf

$$-\frac{x^6 - 4 x^5 + 7 x^4 + 4 x^3 - 7 x^2 - 4 x - 1}{(x^3 - 2 x^2 + x + 1) (x^4 - 4 x^2 + 1)}$$

Sequence: A002531
Score: 11.1758
Type of gen. func.: ogf

$$\frac{x^3 - 2 x^2 + x + 1}{x^4 - 4 x^2 + 1}$$

Sequence: A002531
Score: 7.05272
Type of gen. func.: ogf

$$(66 f(x) + 13) (f(x) x^4 - 4 f(x) x^2 - x^3 + 2 x^2 + f(x) - x - 1)$$

Sequence: A002532

Score: 11.0444
Type of gen. func.: ogf

$$-5 f(x) x^2 - 2 f(x) x + f(x) - x$$

Sequence: A002532
Score: 13.2984
Type of gen. func.: lgdogf

$$-\frac{-10 x - 2}{-5 x^2 - 2 x + 1}$$

Sequence: A002532
Score: 17.6114
Type of gen. func.: ogf

$$-\frac{x}{5 x^2 + 2 x - 1}$$

Sequence: A002532
Score: 17.8290
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (24 x^2 + 4 x + 1)^{1/2}}{10 x}$$

Sequence: A002532
Score: 26.7436
Type of gen. func.: lgdogf

$$-\frac{2 (1 + 5 x)}{5 x^2 + 2 x - 1}$$

Sequence: A002532
Score: 8.04469
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 5 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A002533
Score: 13.9485
Type of gen. func.: ogf

$$\frac{-1 + x}{5 x^2 + 2 x - 1}$$

Sequence: A002533
Score: 16.6164
Type of gen. func.: lgdogf

$$-\frac{5 x^2 - 10 x - 1}{(-1 + x) (5 x^2 + 2 x - 1)}$$

Sequence: A002533
Score: 7.21472
Type of gen. func.: ogf

$$(54 f(x) - 53) (5 f(x) x^2 + 2 f(x) x - f(x) - x + 1)$$

Sequence: A002533
Score: 7.65466
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 5 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A002533
Score: 9.65665
Type of gen. func.: lgdogf

$$-\frac{5 x^2 - 10 x - 1}{5 x^3 - 3 x^2 - 3 x + 1}$$

Sequence: A002534
Score: 11.3479
Type of gen. func.: ogf

$$-9 f(x) x^2 - 2 f(x) x + f(x) - x$$

Sequence: A002534
Score: 13.6638
Type of gen. func.: lgdogf

$$-\frac{-18 x - 2}{-9 x^2 - 2 x + 1}$$

Sequence: A002534
Score: 18.0953
Type of gen. func.: ogf

$$-\frac{x}{9 x^2 + 2 x - 1}$$

Sequence: A002534
Score: 18.3297
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (40 x^2 + 4 x + 1)^{1/2}}{18 x}$$

Sequence: A002534
Score: 27.4946
Type of gen. func.: lgdogf

$$-\frac{2 (9 x + 1)}{9 x^2 + 2 x - 1}$$

Sequence: A002534
Score: 8.26577
Type of gen. func.: ogf

$$\{-a(n+2) + 2\,a(n+1) + 9\,a(n),\ a(0) = 0,\ a(1) = 1\}$$

Sequence: A002535
Score: 14.4072
Type of gen. func.: ogf

$$\frac{-1 + x}{9\,x^2 + 2\,x - 1}$$

Sequence: A002535
Score: 17.1786
Type of gen. func.: lgdogf

$$-\frac{9\,x^2 - 18\,x - 1}{(-1 + x)\,(9\,x^2 + 2\,x - 1)}$$

Sequence: A002535
Score: 17.1786
Type of gen. func.: revogf

$$\frac{-2\,x - 1 + (40\,x^2 + 1)^{1/2}}{2\,(-1 + 9\,x)}$$

Sequence: A002535
Score: 7.90637
Type of gen. func.: ogf

$$\{-a(n+2) + 2\,a(n+1) + 9\,a(n),\ a(0) = 1,\ a(1) = 1\}$$

Sequence: A002535
Score: 9.4061
Type of gen. func.: ogf

2

$$(130 f(x) - 129) (9 f(x) x + 2 f(x) x - f(x) - x + 1)$$

Sequence: A002535
Score: 9.97418
Type of gen. func.: lgdogf

$$-\frac{9 x^2 - 18 x - 1}{9 x^3 - 7 x^2 - 3 x + 1}$$

Sequence: A002536
Score: 10.8945
Type of gen. func.: lgdogf

$$-\frac{54 x^5 - 27 x^4 - 36 x^3 + 8 x^2 + 10 x + 1}{(3 x^2 - x - 1) (9 x^4 - 8 x^2 + 1)}$$

Sequence: A002536
Score: 11.5975
Type of gen. func.: ogf

$$-\frac{x (3 x^2 - x - 1)}{9 x^4 - 8 x^2 + 1}$$

Sequence: A002536
Score: 7.21887
Type of gen. func.: ogf

$$(31 f(x) + 9) (9 f(x) x^4 - 8 f(x) x^2 + 3 x^3 - x^2 + f(x) - x)$$

Sequence: A002537
Score: 6.18838
Type of gen. func.: ogf

$$(434 f(x) + 153) (9 f(x) x^4 - 8 f(x) x^2 - 3 x^3 + 4 x^2 + f(x) - x - 1)$$

Sequence: A002537
Score: 8.15962
Type of gen. func.: lgdogf

$$-\frac{27 x^{6} - 72 x^{5} + 51 x^{4} + 36 x^{3} - 17 x^{2} - 8 x - 1}{(3 x^{3} - 4 x^{2} + x + 1) (9 x^{4} - 8 x^{2} + 1)}$$

Sequence: A002537
Score: 9.99660
Type of gen. func.: ogf

$$\frac{3 x^{3} - 4 x^{2} + x + 1}{9 x^{4} - 8 x^{2} + 1}$$

Sequence: A002538
Score: 4.26233
Type of gen. func.: ogf

$$\{(-n^{3} - 13 n^{2} - 56 n - 80) a(n + 1) + (2 n^{2} + 17 n + 34) a(n + 2) + (-3 - n) a(n + 3), a(0) = 1, a(1) = 8, a(2) = 58\}$$

Sequence: A002544
Score: 11.6301
Type of gen. func.: lgdogf

$$-\frac{12 x + 12}{8 x^{2} + 2 x - 1}$$

Sequence: A002544
Score: 21.8971
Type of gen. func.: lgdogf

$$-\frac{12 (1 + x)}{(1 + 2 x) (4 x - 1)}$$

Sequence: A002544
Score: 3.77599
Type of gen. func.: ogf

$\{(-3 - n)\, a(n + 3) + (16 + 2 n)\, a(n + 2) + (20 + 8 n)\, a(n + 1), a(0) = 1, a(1) = 12, a(2) = 90\}$

Sequence: A002561
Score: 5.37355
Type of gen. func.: ogf

$$\frac{x (31 x^4 + 56 x^3 + 36 x^2 - 4 x + 1)}{(-1 + x)^6}$$

Sequence: A002561
Score: 8.37810
Type of gen. func.: lgdogf

$$-\frac{2 (31 x^4 + 146 x^3 + 156 x^2 + 26 x + 1)}{(-1 + x) (31 x^4 + 56 x^3 + 36 x^2 - 4 x + 1)}$$

Sequence: A002570
Score: 12.5831
Type of gen. func.: ogf

$$-\frac{1}{(-1 + x) (x^2 - 3 x + 1) (1 + x)^3}$$

Sequence: A002570
Score: 15.2993
Type of gen. func.: lgdogf

$$-\frac{6 x^3 - 17 x^2 + 8 x + 1}{(-1 + x) (1 + x) (x^2 - 3 x + 1)}$$

Sequence: A002570
Score: 9.82514
Type of gen. func.: lgdogf

$$-\frac{6 x^3 - 17 x^2 + 8 x + 1}{x^4 - 3 x^3 + 3 x - 1}$$

Sequence: A002571
Score: 4.486
Type of gen. func.: ogf

-(177 f(x) + 73)

$$(f(x) x^4 - f(x) x^3 - 4 f(x) x^2 + x^3 - f(x) x - x^2 + f(x) - 4 x - 1)$$

Sequence: A002571
Score: 8.38942
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 - 4 x - 1}{(x^2 - 3 x + 1) (1 + x)^2}$$

Sequence: A002571
Score: 9.73540
Type of gen. func.: lgdogf

$$-\frac{x^5 - 3 x^4 - 4 x^3 + 10 x^2 + 5 x + 5}{(1 + x) (x^2 - 3 x + 1) (x^3 - x^2 - 4 x - 1)}$$

Sequence: A002578
Score: 7.62610
Type of gen. func.: ogf

$$x^2 (x^5 + x^4 + x^2 + x + 1)$$

$$- \frac{\quad}{(1 + x) (x^2 + x + 1) (x^2 - x + 1) (-1 + x)^3}$$

Sequence: A002579
Score: 6.51944
Type of gen. func.: ogf

$$- \frac{x^7 - 2 x^6 + x^5 + x^4 + x^3 + x^2 - x + 3}{(1 + x) (x^2 + x + 1) (x^2 - x + 1) (-1 + x)^3}$$

Sequence: A002593
Score: 13.7215
Type of gen. func.: lgdogf

$$- \frac{2 (x^3 + 36 x^2 + 69 x + 14)}{(-1 + x) (1 + x) (x^2 + 22 x + 1)}$$

Sequence: A002593
Score: 3.71060
Type of gen. func.: ogf

$$\{(-10 n^2 - 47 n - 54) a(n + 1) + (20 n^2 + 80 n + 144) a(n + 2)$$
$$+ (-10 n^2 - 33 n - 26) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 28\}$$

Sequence: A002593
Score: 7.34141
Type of gen. func.: ogf

$$- \frac{x (1 + x) (x^2 + 22 x + 1)}{(-1 + x)^5}$$

Sequence: A002593
Score: 8.75322
Type of gen. func.: lgdogf

$$-\frac{2x^3+72x^2+138x+28}{x^4+22x^3-22x-1}$$

Sequence: A002594
Score: 12.0451
Type of gen. func.: lgdogf

$$-\frac{2(x^5+358x^4+3838x^3+6728x^2+2393x+122)}{(-1+x)(1+x)(x^4+236x^3+1446x^2+236x+1)}$$

Sequence: A002594
Score: 8.29099
Type of gen. func.: ogf

$$-\frac{(1+x)(x^4+236x^3+1446x^2+236x+1)}{(-1+x)^7}$$

Sequence: A002594
Score: 8.48531
Type of gen. func.: lgdogf

$$-\frac{-2x^5-716x^4-7676x^3-13456x^2-4786x-244}{-x^6-236x^5-1445x^4+1445x^2+236x+1}$$

Sequence: A002597
Score: 11.0822
Type of gen. func.: lgdogf

$$-\frac{-14x^3-15x^2-6x-1}{-x^4-x^3+x+1}$$

Sequence: A002597
Score: 17.8818
Type of gen. func.: lgdogf

$$-\frac{(1 + 2 x) (7 x^2 + 4 x + 1)}{(-1 + x) (1 + x) (x^2 + x + 1)}$$

Sequence: A002597
Score: 28.1207
Type of gen. func.: egf]_with_Euler_transform]

$$1 + 2 x + 3/2 x^2$$

Sequence: A002597
Score: 6.12001
Type of gen. func.: ogf

$$\frac{1}{(1 + x)^2 (x^2 + x + 1)^3 (-1 + x)^6}$$

Sequence: A002604
Score: 4.11970
Type of gen. func.: ogf

$$-\frac{2 x^6 + 51 x^5 + 317 x^4 + 282 x^3 + 72 x^2 - 5 x + 1}{(-1 + x)^7}$$

Sequence: A002604
Score: 5.54537
Type of gen. func.: lgdogf

$$-\frac{2 (x^6 + 57 x^5 + 603 x^4 + 1198 x^3 + 603 x^2 + 57 x + 1)}{(-1 + x) (2 x^6 + 51 x^5 + 317 x^4 + 282 x^3 + 72 x^2 - 5 x + 1)}$$

Sequence: A002605
Score: 15.8014
Type of gen. func.: lgdogf

$$-\frac{-4\,x-2}{-2\,x^{2}-2\,x+1}$$

Sequence: A002605
Score: 20.4991
Type of gen. func.: ogf

$$-\frac{x}{2\,x^{2}+2\,x-1}$$

Sequence: A002605
Score: 21.3790
Type of gen. func.: revogf

$$\frac{-2\,x-1+(12\,x^{2}+4\,x+1)^{1/2}}{4\,x}$$

Sequence: A002605
Score: 31.1777
Type of gen. func.: lgdogf

$$-\frac{2\,(1+2\,x)}{2\,x^{2}+2\,x-1}$$

Sequence: A002605
Score: 9.36379
Type of gen. func.: ogf

$$(2\,f(x)+1)\,(2\,f(x)\,x^{2}+2\,f(x)\,x-f(x)+x)$$

Sequence: A002605
Score: 9.36380

Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A002620
Score: 10.3266
Type of gen. func.: ogf

$$-f(x) x^4 + 2 f(x) x^3 - 2 f(x) x - x^2 + f(x)$$

Sequence: A002620
Score: 19.0102
Type of gen. func.: lgdogf

$$-\frac{-4 x - 2}{-x^2 + 1}$$

Sequence: A002620
Score: 20.4012
Type of gen. func.: ogf

$$-\frac{x^2}{(1 + x) (-1 + x)^3}$$

Sequence: A002620
Score: 36.0143
Type of gen. func.: lgdogf

$$-\frac{2 (1 + 2 x)}{(-1 + x) (1 + x)}$$

Sequence: A002620
Score: 39.6604
Type of gen. func.: ogf_with_Euler_transform]

$$[2 + x]$$

Sequence: A002620
Score: 6.85616
Type of gen. func.: ogf

$\{a(n + 4) - 2 a(n + 3) + 2 a(n + 1) - a(n), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 2\}$

Sequence: A002621
Score: 10.7877
Type of gen. func.: ogf

$$- \frac{1}{(x^2 + 1) (x^2 + x + 1) (1 + x)^2 (-1 + x)^5}$$

Sequence: A002621
Score: 11.8447
Type of gen. func.: lgdogf

$$- \frac{11 x^5 + 13 x^4 + 17 x^3 + 11 x^2 + 6 x + 2}{(-1 + x) (1 + x) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A002621
Score: 24.3843
Type of gen. func.: ogf_with_Euler_transform]

$$x^3 + x^2 + x + 2$$

Sequence: A002622
Score: 10.0651
Type of gen. func.: ogf

$$\frac{1}{(x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (1 + x)^2 (-1 + x)^6}$$

Sequence: A002622
Score: 20.7532
Type of gen. func.: ogf_with_Euler_transform]

$$x^4 + x^3 + x^2 + x + 2$$

Sequence: A002622
Score: 7.43407
Type of gen. func.: lgdogf

$$-\frac{16 x^9 + 34 x^8 + 56 x^7 + 67 x^6 + 68 x^5 + 54 x^4 + 36 x^3 + 19 x^2 + 8 x + 2}{(-1 + x) (1 + x) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + 1)}$$

Sequence: A002623
Score: 13.8470
Type of gen. func.: ogf

$$\frac{1}{(1 + x) (-1 + x)^4}$$

Sequence: A002623
Score: 17.9382
Type of gen. func.: lgdogf

$$-\frac{-5 x - 3}{-x^2 + 1}$$

Sequence: A002623
Score: 36.8514
Type of gen. func.: lgdogf

$$-\frac{3 + 5 x}{(-1 + x) (1 + x)}$$

Sequence: A002623
Score: 37.3748
Type of gen. func.: ogf_with_Euler_transform]

```
                                       [3 + x]



--------------------------------------------------------------------------------

Sequence:  A002623
Score: 5.89016
Type of gen. func.: ogf


{(n + 3) a(n + 3) - 3 a(n + 2) + (-6 - n) a(n + 1), a(0) = 1, a(1) = 3,

    a(2) = 7}



--------------------------------------------------------------------------------

Sequence:  A002624
Score: 10.7168
Type of gen. func.: ogf


                                          1
                              - ------------------
                                         2         5
                                (1 + x)  (-1 + x)



--------------------------------------------------------------------------------

Sequence:  A002624
Score: 17.7802
Type of gen. func.: lgdogf


                                        -7 x - 3
                                   - --------
                                          2
                                        -x  + 1



--------------------------------------------------------------------------------

Sequence:  A002624
Score: 36.5374
Type of gen. func.: lgdogf


                                        3 + 7 x
                               - ----------------
                                  (-1 + x) (1 + x)



--------------------------------------------------------------------------------

Sequence:  A002624
Score: 37.0207
Type of gen. func.: ogf_with_Euler_transform]


                                      [3 + 2 x]
```

Sequence: A002624
Score: 5.83828
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) - 3 a(n + 2) + (-8 - n) a(n + 1), a(0) = 1, a(1) = 3, a(2) = 8\}$$

Sequence: A002625
Score: 12.3027
Type of gen. func.: lgdogf

$$-\frac{-10 x^3 - 13 x^2 - 10 x - 3}{-x^4 - x^3 + x + 1}$$

Sequence: A002625
Score: 20.1642
Type of gen. func.: lgdogf

$$-\frac{(1 + 2 x) (5 x^2 + 4 x + 3)}{(x^2 + x + 1) (-1 + x) (1 + x)}$$

Sequence: A002625
Score: 31.6347
Type of gen. func.: egf]_with_Euler_transform]

$$3 + 2 x + 1/2 x^2$$

Sequence: A002625
Score: 9.41533
Type of gen. func.: ogf

$$\frac{1}{(x^2 + x + 1) (1 + x)^2 (-1 + x)^6}$$

Sequence: A002626
Score: 11.5776
Type of gen. func.: lgdogf

$$-\frac{14 x^5 + 17 x^4 + 24 x^3 + 16 x^2 + 10 x + 3}{(-1 + x) (1 + x) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A002626
Score: 24.1454
Type of gen. func.: ogf_with_Euler_transform]

$$x^3 + x^2 + 2 x + 3$$

Sequence: A002626
Score: 6.36612
Type of gen. func.: ogf

$$-\frac{1}{(x^2 + 1) (x^2 + x + 1) (1 + x)^3 (-1 + x)^7}$$

Sequence: A002627
Score: 5.02004
Type of gen. func.: ogf

$\{(-2 - n) a(n + 1) + (n + 4) a(n + 2) - a(n + 3), a(0) = 0, a(1) = 1, a(2) = 3\}$

Sequence: A002633
Score: 19.0282
Type of gen. func.: lgdegf]

$$-3 + 2 x - x^2 + (-x^2 + 2 x - 1) f(x)$$

Sequence: A002633
Score: 9.18793
Type of gen. func.: lgdegf]

$$-x^2 + 2 x - 3$$

```
- -------------
     2
   -x  + 2 x - 1
```

Sequence: A002655
Score: 6.02202
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^6-x^5-x^4-x^3-x^2-x-1}{x^7-1}$$

Sequence: A002656
Score: 6.94659
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-6x^6-3x^5-3x^4-3x^3-3x^2-3x-3}{x^7-1}$$

Sequence: A002662
Score: 15.6887
Type of gen. func.: ogf

$$\frac{x^3}{(2x-1)(-1+x)^3}$$

Sequence: A002662
Score: 16.0155
Type of gen. func.: lgdogf

$$-\frac{8x-5}{2x^2-3x+1}$$

Sequence: A002662
Score: 30.6088
Type of gen. func.: lgdogf

$$-\frac{8 x - 5}{(2 x - 1) (-1 + x)}$$

Sequence: A002662
Score: 5.09103
Type of gen. func.: ogf

$$\{n\, a(n + 3) + (-2 - 3 n)\, a(n + 2) + (4 + 2 n)\, a(n + 1),\ a(0) = 0,\ a(1) = 0,\ a(2) = 0,\ a(3) = 1\}$$

Sequence: A002662
Score: 7.76512
Type of gen. func.: ogf

$$-2 f(x) x^4 + 7 f(x) x^3 - 9 f(x) x^2 + x^3 + 5 f(x) x - f(x)$$

Sequence: A002663
Score: 10.6512
Type of gen. func.: ogf

$$-\frac{x^4}{(2 x - 1) (-1 + x)^4}$$

Sequence: A002663
Score: 12.8249
Type of gen. func.: lgdogf

$$-\frac{10 x - 6}{2 x^2 - 3 x + 1}$$

Sequence: A002663
Score: 24.1700
Type of gen. func.: lgdogf

$$-\frac{2 (5 x - 3)}{(2 x - 1) (-1 + x)}$$

Sequence: A002663
Score: 3.87914
Type of gen. func.: ogf

$$\{(1 - n)\, a(n + 3) + 3\, n\, a(n + 2) + (-4 - 2\, n)\, a(n + 1),\ a(0) = 0,\ a(1) = 0,\ a(2) = 0,\ a(3) = 0,\ a(4) = 1\}$$

Sequence: A002663
Score: 5.28084
Type of gen. func.: ogf

$$2\, f(x)\, x^5 - 9\, f(x)\, x^4 + 16\, f(x)\, x^3 + x^4 - 14\, f(x)\, x^2 + 6\, f(x)\, x - f(x)$$

Sequence: A002664
Score: 12.6147
Type of gen. func.: lgdogf

$$-\frac{12\, x - 7}{2\, x^2 - 3\, x + 1}$$

Sequence: A002664
Score: 23.9059
Type of gen. func.: lgdogf

$$-\frac{12\, x - 7}{(2\, x - 1)\, (-1 + x)}$$

Sequence: A002664
Score: 8.95823
Type of gen. func.: ogf

$$\frac{x^5}{(2\, x - 1)\, (-1 + x)^5}$$

Sequence: A002671
Score: 4.39829
Type of gen. func.: ogf

$$\{(16 n^2 + 72 n + 80) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 24\}$$

Sequence: A002674
Score: 6.56497
Type of gen. func.: ogf

$$\{(4 n^2 + 22 n + 30) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 12\}$$

Sequence: A002690
Score: 12.0411
Type of gen. func.: lgdegf]

$$-\frac{-4 x + 4}{-8 x^2 + 6 x - 1}$$

Sequence: A002690
Score: 20.9867
Type of gen. func.: lgdegf]

$$-\frac{4 (-1 + x)}{(-1 + 4 x) (2 x - 1)}$$

Sequence: A002690
Score: 23.6101
Type of gen. func.: revegf]

$$(-2 x + (4 x^2 + 1)^{1/2}) x$$

Sequence: A002690
Score: 5.06996
Type of gen. func.: ogf

$$\{(-4 n^2 - 18 n - 18) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A002690
Score: 6.02058
Type of gen. func.: egf]

$$-64 f(x)^2 x^3 + 48 f(x)^2 x^2 - 12 f(x)^2 x + f(x)^2 - 4 x^2 + 4 x - 1$$

Sequence: A002691
Score: 12.9855
Type of gen. func.: lgdegf]

$$-\frac{-6 x + 9}{-4 x^2 + 5 x - 1}$$

Sequence: A002691
Score: 23.5374
Type of gen. func.: lgdegf]

$$-\frac{3 (2 x - 3)}{(-1 + 4 x) (-1 + x)}$$

Sequence: A002691
Score: 3.62387
Type of gen. func.: ogf

$$\{(-4 n^2 - 18 n - 20) a(n + 1) + (-4 n^2 - 29 n - 51) a(n + 2) + (n + 3) a(n + 3)$$

$$, a(0) = 1, a(1) = 9, a(2) = 120\}$$

Sequence: A002694
Score: 12.0188
Type of gen. func.: lgdogf

$$-24 + 100 x + (80 x^2 - 36 x + 4) f(x) + (16 x^3 - 8 x^2 + x) f(x)^2$$

Sequence: A002694

Score: 5.47762
Type of gen. func.: ogf

$$\{(-4 n^2 - 30 n - 56) a(n + 1) + (n^2 + 8 n + 12) a(n + 2), a(0) = 1, a(1) = 6\}$$

Sequence: A002694
Score: 9.10469
Type of gen. func.: lgdogf

$$\frac{- \frac{2 (5 x - 1)}{(-1 + 4 x)^{1/2}} + 2 I}{(-1 + 4 x)^{1/2} x}$$

Sequence: A002695
Score: 10.8669
Type of gen. func.: lgdogf

$$9 - 3 x + (-x^2 - 90 x + 287) f(x) + (-32 x^2 + 192 x - 32) f(x)^2$$

Sequence: A002695
Score: 11.7957
Type of gen. func.: lgdogf

$$- \frac{3 x - 9}{x^2 - 6 x + 1}$$

Sequence: A002695
Score: 3.72495
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 3) + (21 + 6 n) a(n + 2) + (-4 - n) a(n + 1), a(0) = 1,$$

$$a(1) = 9, a(2) = 66\}$$

Sequence: A002696
Score: 11.1982
Type of gen. func.: lgdogf

$$-48 + 196 x + (112 x^2 - 52 x + 6) f(x) + (16 x^3 - 8 x^2 + x) f(x)^2$$

Sequence: A002696
Score: 5.15839
Type of gen. func.: ogf

$$\{(-4 n^2 - 38 n - 90) a(n + 1) + (n^2 + 10 n + 16) a(n + 2), a(0) = 1, a(1) = 8\}$$

Sequence: A002696
Score: 8.52853
Type of gen. func.: lgdogf

$$\frac{- \frac{14 x - 3}{(-1 + 4 x)^{1/2}} + 3 I}{(-1 + 4 x)^{1/2} x}$$

Sequence: A002697
Score: 16.5461
Type of gen. func.: ogf

$$\frac{x}{(-1 + 4 x)^2}$$

Sequence: A002697
Score: 20.0918
Type of gen. func.: lgdogf

$$\frac{8}{-4 x + 1}$$

Sequence: A002697
Score: 23.0540
Type of gen. func.: revogf

```
          4 x
--------------------
```

$$(1 + (16 x + 1)^{1/2})^2$$

Sequence: A002697
Score: 50.2997
Type of gen. func.: lgdogf

$$-\frac{8}{-1 + 4 x}$$

Sequence: A002697
Score: 6.86060
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 16 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A002697
Score: 9.37616
Type of gen. func.: ogf

$$-16 f(x) x^2 + 8 f(x) x - f(x) + x$$

Sequence: A002698
Score: 13.0528
Type of gen. func.: lgdogf

$$-\frac{2 (16 x^2 - 16 x - 9)}{(-1 + 4 x) (8 x^2 - 6 x - 1)}$$

Sequence: A002698
Score: 4.74747
Type of gen. func.: ogf

$$\{a(n + 3) - 12 a(n + 2) + 48 a(n + 1) - 64 a(n), a(0) = 1, a(1) = 18,$$
$$a(2) = 160\}$$

Sequence: A002698
Score: 6.14142
Type of gen. func.: ogf

$$(9312 f(x) - 21467)$$

$$(64 f(x) x^3 - 48 f(x) x^2 + 12 f(x) x - 8 x^2 - f(x) + 6 x + 1)$$

Sequence: A002698
Score: 8.11887
Type of gen. func.: lgdogf

$$-\frac{-32 x^2 + 32 x + 18}{-32 x^3 + 32 x^2 - 2 x - 1}$$

Sequence: A002698
Score: 8.75316
Type of gen. func.: ogf

$$\frac{8 x^2 - 6 x - 1}{(-1 + 4 x)^3}$$

Sequence: A002699
Score: 10.7129
Type of gen. func.: ogf

$$-16 f(x) x^2 + 8 f(x) x - f(x) + 2 x$$

Sequence: A002699
Score: 16.9151
Type of gen. func.: ogf

$$\frac{2 x}{(-1 + 4 x)^2}$$

Sequence: A002699

Score: 22.9562
Type of gen. func.: lgdogf

$$\frac{8}{-4 x + 1}$$

Sequence: A002699
Score: 27.5378
Type of gen. func.: revogf

$$\frac{2 x}{(1 + (1 + 8 x)^{1/2})^{2}}$$

Sequence: A002699
Score: 57.5790
Type of gen. func.: lgdogf

$$- \frac{8}{-1 + 4 x}$$

Sequence: A002699
Score: 7.83872
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 16 a(n), a(0) = 0, a(1) = 2\}$$

Sequence: A002700
Score: 12.4194
Type of gen. func.: ogf

$$- \frac{4 x + 3}{(-1 + 4 x)^{3}}$$

Sequence: A002700
Score: 13.6369
Type of gen. func.: lgdogf

$$- \frac{32 x + 40}{}$$

$$16 x^2 + 8 x - 3$$

Sequence: A002700
Score: 18.7572
Type of gen. func.: lgdogf

$$-\frac{8 (5 + 4 x)}{(4 x + 3) (-1 + 4 x)}$$

Sequence: A002700
Score: 5.89393
Type of gen. func.: ogf

$$\{a(n + 3) - 12 a(n + 2) + 48 a(n + 1) - 64 a(n), a(0) = 3, a(1) = 40, a(2) = 336\}$$

Sequence: A002700
Score: 6.15473
Type of gen. func.: ogf

$$(4528 f(x) - 14475) (64 f(x) x^3 - 48 f(x) x^2 + 12 f(x) x - f(x) + 4 x + 3)$$

Sequence: A002714
Score: 4.32955
Type of gen. func.: ogf

$$-(f(x) + 1) (f(x) x^4 - 4 f(x) x^3 + 2 x^4 - 2 f(x) x^2 - 5 x^3 + 4 f(x) x - 7 x^2 - f(x) + 3 x + 1)$$

Sequence: A002714
Score: 7.18263
Type of gen. func.: lgdogf

$$-\frac{3 x^6 - 18 x^5 + 15 x^4 + 76 x^3 - 21 x^2 - 46 x + 19}{(3 x^3 - 9 x^2 - 9 x + 7) (x^4 - 4 x^3 - 2 x^2 + 4 x - 1)}$$

Sequence: A002714
Score: 7.58946
Type of gen. func.: ogf

$$-\frac{2 x^4 - 5 x^3 - 7 x^2 + 3 x + 1}{x^4 - 4 x^3 - 2 x^2 + 4 x - 1}$$

Sequence: A002717
Score: 11.0550
Type of gen. func.: ogf

$$\frac{x (1 + 2 x)}{(1 + x) (-1 + x)^4}$$

Sequence: A002717
Score: 12.4156
Type of gen. func.: lgdogf

$$-\frac{8 x^2 + 11 x + 5}{2 x^3 + x^2 - 2 x - 1}$$

Sequence: A002717
Score: 22.0998
Type of gen. func.: lgdogf

$$-\frac{8 x^2 + 11 x + 5}{(-1 + x) (1 + 2 x) (1 + x)}$$

Sequence: A002717
Score: 4.09651
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 4) + (1 - 2 n) a(n + 3) + (12 + n) a(n + 2)$$
$$+ (8 + 2 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 5, a(3) = 13\}$$

Sequence: A002720
Score: 16.2280
Type of gen. func.: lgdegf]

$$-\frac{-x + 2}{-x^2 + 2 x - 1}$$

Sequence: A002720
Score: 16.3102
Type of gen. func.: lgdegf]

$$-10 + 5 x + (5 x^2 - 8 x + 1) f(x) + (2 x^2 - 4 x + 2) f(x)^2$$

Sequence: A002720
Score: 5.48551
Type of gen. func.: ogf

$$\{(-n^2 - 4 n - 4) a(n + 1) + (2 n + 6) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 2, a(2) = 7\}$$

Sequence: A002721
Score: 4.19293
Type of gen. func.: ogf

$$-\frac{x^8 + 3 x^7 + 60 x^6 + 7 x^5 + 168 x^4 + 7 x^3 + 60 x^2 + 3 x + 1}{(-1 + x)^9}$$

Sequence: A002727
Score: 4.62198
Type of gen. func.: ogf

$$\frac{x^6 + x^4 + 2 x^3 + x^2 + 1}{(1 + x)^2 (x^2 + x + 1)^2 (-1 + x)^8}$$

Sequence: A002727
Score: 6.65405
Type of gen. func.: lgdogf

$$-\frac{2\,(4x^{9}+6x^{8}+11x^{7}+23x^{6}+30x^{5}+24x^{4}+22x^{3}+15x^{2}+7x+2)}{(-1+x)\,(1+x)\,(x^{2}+x+1)\,(x^{6}+x^{4}+2x^{3}+x^{2}+1)}$$

Sequence: A002736
Score: 13.5453
Type of gen. func.: lgdogf

$$-\frac{12x+12}{8x^{2}+2x-1}$$

Sequence: A002736
Score: 25.6869
Type of gen. func.: lgdogf

$$-\frac{12\,(1+x)}{(1+2x)\,(-1+4x)}$$

Sequence: A002736
Score: 4.45570
Type of gen. func.: ogf

$$\{(n+2)\,a(n+3)+(-14-2n)\,a(n+2)+(-12-8n)\,a(n+1),\ a(0)=0,\ a(1)=2,\ a(2)=24\}$$

Sequence: A002738
Score: 14.3036
Type of gen. func.: lgdogf

$$-\frac{60x+20}{24x^{2}-2x-1}$$

Sequence: A002738
Score: 4.67619
Type of gen. func.: ogf

```
{(-n - 3) a(n + 3) + (16 - 2 n) a(n + 2) + (84 + 24 n) a(n + 1), a(0) = 3,

    a(1) = 60, a(2) = 630}
```

Sequence: A002740
Score: 5.13119
Type of gen. func.: ogf

```
        2  3          2  2            3      4          2              2      3
-64 f(x)  x  + 48 f(x)  x  + 64 f(x) x  - 9 x  - 12 f(x)  x - 48 f(x) x  + 2 x

           2
     + f(x)  + 12 f(x) x - f(x)
```

Sequence: A002740
Score: 6.48358
Type of gen. func.: ogf

```
      2                 2
{(-4 n  + 2 n) a(n) + (n  - n - 2) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0,

    a(3) = 2}
```

Sequence: A002740
Score: 8.71231
Type of gen. func.: lgdogf

```
                  /         2
                  |  3 (30 x  - 11 x + 1)      |          1/2
                  |- -------------------- + 3 I| (-1 + 4 x)
                  |                3/2         |
                       (-1 + 4 x)             /
                  --------------------------------------------
                                (9 x - 2) x
```

Sequence: A002741
Score: 5.02366
Type of gen. func.: ogf

```
{(-2 - n) a(n + 1) + (-4 - 2 n) a(n + 2) + (-n - 1) a(n + 3) + a(n + 4),

    a(0) = 0, a(1) = 1, a(2) = -1, a(3) = 2}
```

Sequence: A002747
Score: 16.1944
Type of gen. func.: lgdegf]

$$-\frac{x^5 + 2 x^4 + 7 x - 2}{(-1 + x) (1 + x) (x^3 + x^2 - x + 1)}$$

Sequence: A002747
Score: 9.04129
Type of gen. func.: lgdegf]

$$-\frac{-x^5 - 2 x^4 - 7 x + 2}{-x^5 - x^4 + 2 x^3 - x + 1}$$

Sequence: A002754
Score: 12.5960
Type of gen. func.: lgdogf

$$-\frac{27 x - 11}{9 x^2 - 10 x + 1}$$

Sequence: A002754
Score: 13.6680
Type of gen. func.: ogf

$$-\frac{4 x^2}{(9 x - 1) (-1 + x)^2}$$

Sequence: A002754
Score: 23.5668
Type of gen. func.: lgdogf

$$-\frac{27 x - 11}{(9 x - 1) (-1 + x)}$$

Sequence: A002754
Score: 5.73566
Type of gen. func.: ogf

$$\{a(n+3) - 11\, a(n+2) + 19\, a(n+1) - 9\, a(n),\ a(0) = 0,\ a(1) = 0,\ a(2) = 4\}$$

Sequence: A002754
Score: 7.73969
Type of gen. func.: ogf

$$9\, f(x)\, x^3 - 19\, f(x)\, x^2 + 11\, f(x)\, x + 4\, x^2 - f(x)$$

Sequence: A002775
Score: 13.6114
Type of gen. func.: egf]

$$-\frac{(1 + x)\, x}{(-1 + x)^3}$$

Sequence: A002775
Score: 17.6330
Type of gen. func.: lgdegf]

$$-\frac{2\, x + 4}{x^2 - 1}$$

Sequence: A002775
Score: 36.5037
Type of gen. func.: lgdegf]

$$-\frac{2\, (2 + x)}{(-1 + x)\, (1 + x)}$$

Sequence: A002775
Score: 4.67380
Type of gen. func.: ogf

$$\{(-n^2 - 4 n - 4) a(n + 1) + (-n^2 - 6 n - 13) a(n + 2) + (n + 2) a(n + 3),$$

$$a(0) = 0, a(1) = 1, a(2) = 8\}$$

Sequence: A002775
Score: 6.86594
Type of gen. func.: egf]

$$-(92 f(x) - 63) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + x)$$

Sequence: A002776
Score: 12.4779
Type of gen. func.: lgdegf]

$$- \frac{x^3 + 9 x^2 + 9 x + 5}{(-1 + x) (x^3 + 3 x^2 + x + 1)}$$

Sequence: A002776
Score: 3.16530
Type of gen. func.: ogf

$$\{(-160 n^3 - 1071 n^2 - 2364 n - 1724) a(n + 1)$$

$$+ (19 n^3 + 278 n^2 + 231 n - 953) a(n + 2) + (-19 n^2 - 4 n + 159) a(n + 3),$$

$$a(0) = 1, a(1) = 5, a(2) = 34\}$$

Sequence: A002776
Score: 4.62789
Type of gen. func.: egf]

$$(35694 f(x) + 47845)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 3 x^2 + f(x) - x - 1)$$

Sequence: A002776
Score: 8.71486
Type of gen. func.: egf]

$$\frac{x^3 + 3 x^2 + x + 1}{(-1 + x)^4}$$

Sequence: A002776
Score: 8.82953
Type of gen. func.: lgdegf]

$$-\frac{-x^3 - 9 x^2 - 9 x - 5}{-x^4 - 2 x^3 + 2 x^2 + 1}$$

Sequence: A002783
Score: 11.2707
Type of gen. func.: lgdogf

$$-\frac{24 x^4 - 36 x^3 + 27 x^2 - 14 x + 3}{(-1 + x) (3 x - 1) (2 x - 1) (4 x^2 - 3 x + 1)}$$

Sequence: A002783
Score: 12.5764
Type of gen. func.: ogf

$$-\frac{4 x^2 - 3 x + 1}{(-1 + x) (3 x - 1) (2 x - 1)}$$

Sequence: A002783
Score: 6.83978
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 11 a(n + 1) - 6 a(n), a(0) = 1, a(1) = 3, a(2) = 11\}$$

Sequence: A002783
Score: 6.83979
Type of gen. func.: ogf

$$(38 f(x) - 13) (6 f(x) x^3 - 11 f(x) x^2 + 6 f(x) x + 4 x^2 - f(x) - 3 x + 1)$$

Sequence: A002783
Score: 7.49745
Type of gen. func.: lgdogf

$$- \frac{24 x^4 - 36 x^3 + 27 x^2 - 14 x + 3}{24 x^5 - 62 x^4 + 63 x^3 - 33 x^2 + 9 x - 1}$$

Sequence: A002789
Score: 10.8272
Type of gen. func.: ogf

$$- \frac{x^2 + 2 x + 2}{(1 + x) (x^2 + x + 1) (-1 + x)^3}$$

Sequence: A002793
Score: 5.37096
Type of gen. func.: ogf

$$\{(-n^2 - 4 n - 4) a(n + 1) + (2 n + 6) a(n + 2) - a(n + 3), a(0) = 0, a(1) = 1, a(2) = 4\}$$

Sequence: A002797
Score: 6.41691
Type of gen. func.: ogf

$$- \frac{5 x^6 + 7 x^5 + 2 x^4 + 5 x^3 - x + 3}{(x^2 + 1) (1 + x)^2 (-1 + x)^3}$$

Sequence: A002798
Score: 10.4478
Type of gen. func.: ogf

$$\frac{3\,(2 x^{2} + 9 x + 6)}{(1 + x)\,(-1 + x)^{2}}$$

Sequence: A002798
Score: 12.8633
Type of gen. func.: lgdogf

$$-\frac{2 x^{3} + 20 x^{2} + 31 x + 15}{(-1 + x)\,(1 + x)\,(2 x^{2} + 9 x + 6)}$$

Sequence: A002798
Score: 5.26568
Type of gen. func.: ogf

$$-(10081 f(x) - 18435)\,(f(x) x^{3} - f(x) x^{2} - f(x) x - 6 x^{2} + f(x) - 27 x - 18)$$

Sequence: A002798
Score: 5.72357
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n),\ a(0) = 18,\ a(1) = 45,\ a(2) = 69\}$$

Sequence: A002798
Score: 7.93024
Type of gen. func.: lgdogf

$$-\frac{2 x^{3} + 20 x^{2} + 31 x + 15}{2 x^{4} + 9 x^{3} + 4 x^{2} - 9 x - 6}$$

Sequence: A002799
Score: 15.4426
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{3} - x^{2} - x - 1}{}$$

```
                                        -x + 1



--------------------------------------------------------------------------------

Sequence:  A002801
Score: 22.3404
Type of gen. func.: lgdegf]


                                        -1 + x
                                     - --------
                                       -2 x + 1



--------------------------------------------------------------------------------

Sequence:  A002801
Score: 51.8278
Type of gen. func.: lgdegf]


                               -1 + x + (-2 x + 1) f(x)



--------------------------------------------------------------------------------

Sequence:  A002801
Score: 6.66877
Type of gen. func.: ogf


{(n + 2) a(n + 1) + (-2 n - 5) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 1,

    a(2) = 2}



--------------------------------------------------------------------------------

Sequence:  A002802
Score: 24.1108
Type of gen. func.: lgdogf


                                         10
                                      --------
                                      -4 x + 1



--------------------------------------------------------------------------------

Sequence:  A002802
Score: 42.9170
Type of gen. func.: lgdogf


                                -10 + (-4 x + 1) f(x)



--------------------------------------------------------------------------------

Sequence:  A002802
Score: 6.59636
Type of gen. func.: ogf
```

$$\{(-2 - n)\, a(n + 2) + (14 + 4 n)\, a(n + 1),\ a(0) = 1,\ a(1) = 10\}$$

Sequence: A002803
Score: 11.2040
Type of gen. func.: lgdogf

$$-\frac{10 x + 15}{4 x^{2} + 3 x - 1}$$

Sequence: A002803
Score: 21.9287
Type of gen. func.: lgdogf

$$-\frac{5 (3 + 2 x)}{(1 + x) (-1 + 4 x)}$$

Sequence: A002803
Score: 3.61421
Type of gen. func.: ogf

$$\{(-n - 3)\, a(n + 3) + (21 + 3 n)\, a(n + 2) + (14 + 4 n)\, a(n + 1),\ a(0) = 1,\ a(1) = 15,\ a(2) = 140\}$$

Sequence: A002807
Score: 3.42475
Type of gen. func.: ogf

$$\{(-n^{2} - 5 n - 6)\, a(n + 1) + (2 n^{2} + 10 n + 12)\, a(n + 2) + (-n^{2} - 6 n - 7)\, a(n + 3) + (n + 1)\, a(n + 4),\ a(0) = 0,\ a(1) = 0,\ a(2) = 0,\ a(3) = 1\}$$

Sequence: A002810
Score: 4.68748
Type of gen. func.: ogf

$$- (400 x^{12} - 50 x^{11} - 350 x^{10} - 600 x^{9} - 50 x^{8} - 16 x^{7} - 4 x^{6} - 30 x^{5} - 50 x^{4}$$

$$- 16 x^{3} - 4 x^{2} - 6 x - 1) \bigg/ ((-1 + x) (10 x^{4} - 1) (100 x^{8} + 10 x^{4} + 1))$$

Sequence: A002817
Score: 15.4649
Type of gen. func.: lgdogf

$$- \frac{-3 x^{2} - 6 x - 6}{-x^{3} + 1}$$

Sequence: A002817
Score: 23.5857
Type of gen. func.: lgdogf

$$- \frac{3 (x^{2} + 2 x + 2)}{(-1 + x) (x^{2} + x + 1)}$$

Sequence: A002817
Score: 31.9462
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^{2} + 6]$$

Sequence: A002817
Score: 4.90351
Type of gen. func.: ogf

{(-n - 3) a(n + 4) + 6 a(n + 3) + 6 a(n + 2) + (n + 3) a(n + 1), a(0) = 0,

a(1) = 1, a(2) = 6, a(3) = 21}

Sequence: A002817
Score: 9.68887
Type of gen. func.: ogf

$$x (x^{2} + x + 1)$$

```
                                - ---------------
                                            5
                                    (-1 + x)



------------------------------------------------------------------------------

Sequence:  A002834
Score: 2.19722
Type of gen. func.: ogf


                                             3
                                 -(f(x) - 48)



------------------------------------------------------------------------------

Sequence:  A002865
Score: 27.7888
Type of gen. func.: ogf_with_Euler_transform]


                                        x
                                    - ------
                                      -1 + x



------------------------------------------------------------------------------

Sequence:  A002866
Score: 16.7787
Type of gen. func.: egf]


                            -2 f(x) x + f(x) + x - 1



------------------------------------------------------------------------------

Sequence:  A002866
Score: 20.4065
Type of gen. func.: egf]


                                    -1 + x
                                    -------
                                    2 x - 1



------------------------------------------------------------------------------

Sequence:  A002866
Score: 20.9734
Type of gen. func.: lgdegf]


                                        1
                               - ---------------
                                     2
                                 -2 x  + 3 x - 1



------------------------------------------------------------------------------
```

Sequence: A002866
Score: 29.2437
Type of gen. func.: lgdegf]

$$\frac{1}{(2 x - 1) (-1 + x)}$$

Sequence: A002866
Score: 5.31719
Type of gen. func.: ogf

$$\{(2 n^2 + 2 n) a(n) + (-2 n^2 - 9 n - 8) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A002867
Score: 12.4155
Type of gen. func.: lgdegf]

$$-\frac{-8 x - 2}{-4 x^2 + 1}$$

Sequence: A002867
Score: 19.8044
Type of gen. func.: lgdegf]

$$-\frac{2 (1 + 4 x)}{(2 x - 1) (1 + 2 x)}$$

Sequence: A002867
Score: 25.4628
Type of gen. func.: revegf]

$$\frac{x (1 + x)}{2 x^2 + 2 x + 1}$$

Sequence: A002867
Score: 3.82014
Type of gen. func.: egf]

$$-\frac{(1 + 2 x) (x^8 + 10 x^6 - 45 x^4 + 35 x^2 - 7)}{231 x^8 - 462 x^6 + 297 x^4 - 77 x^2 + 7}$$

Sequence: A002867
Score: 4.23473
Type of gen. func.: ogf

$$\{(4 n^2 + 20 n + 24) a(n + 1) - a(n + 3) + 2 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 12\}$$

Sequence: A002867
Score: 6.58169
Type of gen. func.: egf]

$$16 f(x)^2 x^4 - 16 f(x)^2 x^3 + 4 f(x)^2 x - f(x)^2 + 1$$

Sequence: A002872
Score: 17.3871
Type of gen. func.: lgdegf]

$$\exp(2 x) + \exp(x)$$

Sequence: A002872
Score: 35.9488
Type of gen. func.: lgdegf]

$$\exp(2 x) + \exp(x)$$

Sequence: A002874
Score: 17.0493
Type of gen. func.: lgdegf]

$$\exp(x) + \exp(3 x)$$

Sequence: A002874
Score: 34.7444
Type of gen. func.: lgdegf]

$$\exp(x) + \exp(3 x)$$

Sequence: A002878
Score: 12.5419
Type of gen. func.: lgdogf

$$- \frac{x^2 + 2 x - 4}{x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A002878
Score: 17.8374
Type of gen. func.: ogf

$$\frac{1 + x}{x^2 - 3 x + 1}$$

Sequence: A002878
Score: 19.2458
Type of gen. func.: revogf

$$- \frac{-1 - 3 x + (5 x^2 + 10 x + 1)^{1/2}}{2 (-1 + x)}$$

Sequence: A002878
Score: 25.4541
Type of gen. func.: lgdogf

$$- \frac{x^2 + 2 x - 4}{(1 + x) (x^2 - 3 x + 1)}$$

Sequence: A002878
Score: 9.44332

Type of gen. func.: ogf

$$(5 f(x) + 3) (f(x) x^{2} - 3 f(x) x + f(x) - x - 1)$$

Sequence: A002878
Score: 9.78882
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A002889
Score: 14.2172
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^{3} + 5 x^{2} - x - 5)}{(-1 + x) (1 + x) (x^{2} + x - 1)}$$

Sequence: A002889
Score: 4.56134
Type of gen. func.: ogf

$$- \frac{(1 + x)^{3}}{(-1 + x)^{3} (x^{2} + x - 1)^{4}}$$

Sequence: A002889
Score: 7.78766
Type of gen. func.: lgdogf

$$- \frac{8 x^{3} + 10 x^{2} - 2 x - 10}{x^{4} + x^{3} - 2 x^{2} - x + 1}$$

Sequence: A002893
Score: 3.51811
Type of gen. func.: ogf

$$\{(9 n^2 + 36 n + 36) a(n + 1) + (-10 n^2 - 50 n - 63) a(n + 2) + (n^2 + 6 n + 9) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 15\}$$

Sequence: A002894
Score: 5.72355
Type of gen. func.: ogf

$$\{(-16 n^2 - 48 n - 36) a(n + 1) + (n^2 + 4 n + 4) a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A002895
Score: 3.17687
Type of gen. func.: ogf

$$\{(64 n^3 + 384 n^2 + 768 n + 512) a(n + 1) + (-20 n^3 - 150 n^2 - 378 n - 320) a(n + 2) + (n^3 + 9 n^2 + 27 n + 27) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 28\}$$

Sequence: A002897
Score: 3.53551
Type of gen. func.: ogf

$$\{(64 n^3 + 288 n^2 + 432 n + 216) a(n + 1) + (-n^3 - 6 n^2 - 12 n - 8) a(n + 2), a(0) = 1, a(1) = 8\}$$

Sequence: A002901
Score: 6.26768
Type of gen. func.: ogf

$$\frac{x (7 x^3 + 5 x^2 + 5 x + 1)}{(x^2 + x + 1) (-1 + x)^4}$$

Sequence: A002901
Score: 8.29582

Type of gen. func.: lgdogf

$$-\frac{(3 x^2 + 2 x + 1) (7 x^3 + 9 x^2 + 12 x + 8)}{(-1 + x) (x^2 + x + 1) (7 x^3 + 5 x^2 + 5 x + 1)}$$

Sequence: A002928
Score: 18.8108
Type of gen. func.: lgdogf

$$\frac{4 x}{(-1 + x) (1 + x) (x^2 - 6 x + 1)}$$

Sequence: A002928
Score: 9.95812
Type of gen. func.: lgdogf

$$-\frac{4 x}{-x^4 + 6 x^3 - 6 x + 1}$$

Sequence: A002933
Score: 3.35014
Type of gen. func.: ogf

$$(3 f(x) x - f(x) + 3 x + 1)^3$$

Sequence: A002939
Score: 14.3199
Type of gen. func.: ogf

$$-\frac{2 x (3 x + 1)}{(-1 + x)^3}$$

Sequence: A002939
Score: 17.0048
Type of gen. func.: lgdogf

$$-\frac{-6x-6}{-3x^2+2x+1}$$

Sequence: A002939
Score: 34.9861
Type of gen. func.: lgdogf

$$-\frac{6(1+x)}{(3x+1)(-1+x)}$$

Sequence: A002939
Score: 7.03648
Type of gen. func.: ogf

$$-(536 f(x) - 1365) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 6 x^2 - f(x) + 2 x)$$

Sequence: A002939
Score: 7.28779
Type of gen. func.: ogf

$$\{a(n+3) - 3 a(n+2) + 3 a(n+1) - a(n), a(0) = 0, a(1) = 2, a(2) = 12\}$$

Sequence: A002940
Score: 10.0456
Type of gen. func.: ogf

$$-\frac{1+x}{(-1+x)(x^2+x-1)^2}$$

Sequence: A002940
Score: 15.4383
Type of gen. func.: lgdogf

$$-\frac{2(2x^3+2x^2-x-2)}{(-1+x)(1+x)(x^2+x-1)^2}$$

Sequence: A002940
Score: 8.66435
Type of gen. func.: lgdogf

$$- \frac{-4 x^3 - 4 x^2 + 2 x + 4}{-x^4 - x^3 + 2 x^2 + x - 1}$$

Sequence: A002941
Score: 15.1529
Type of gen. func.: lgdogf

$$- \frac{6 x^3 + 7 x^2 - 2 x - 7}{(-1 + x) (1 + x) (x^2 + x - 1)}$$

Sequence: A002941
Score: 6.66858
Type of gen. func.: ogf

$$- \frac{(1 + x)^2}{(-1 + x)^2 (x^2 + x - 1)^3}$$

Sequence: A002941
Score: 8.50244
Type of gen. func.: lgdogf

$$- \frac{-6 x^3 - 7 x^2 + 2 x + 7}{-x^4 - x^3 + 2 x^2 + x - 1}$$

Sequence: A002943
Score: 10.7851
Type of gen. func.: ogf

$$- \frac{2 x (3 + x)}{}$$

$$(-1 + x)^{3}$$

Sequence: A002943
Score: 12.5460
Type of gen. func.: lgdogf

$$-\frac{2 x + 10}{x^{2} + 2 x - 3}$$

Sequence: A002943
Score: 28.7543
Type of gen. func.: lgdogf

$$-\frac{2 (x + 5)}{(3 + x) (-1 + x)}$$

Sequence: A002943
Score: 5.48887
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 6, a(2) = 20\}$$

Sequence: A002943
Score: 7.56958
Type of gen. func.: ogf

$$(984 f(x) - 3367) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 2 x^{2} - f(x) + 6 x)$$

Sequence: A002965
Score: 12.9899
Type of gen. func.: ogf

$$\frac{x (x^{2} - x - 1)}{x^{4} + 2 x^{2} - 1}$$

Sequence: A002965
Score: 13.7048
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 3 x^4 - 4 x^3 - 2 x^2 - 2 x - 1}{(x^2 - x - 1) (x^4 + 2 x^2 - 1)}$$

Sequence: A002965
Score: 8.52028
Type of gen. func.: ogf

$$-f(x) (f(x) x^4 + 2 f(x) x^2 - x^3 + x^2 - f(x) + x)$$

Sequence: A002999
Score: 7.12027
Type of gen. func.: ogf

$$\frac{8 x^5 - 14 x^4 + 18 x^3 - 15 x^2 + 6 x - 1}{(-1 + x)^2 (2 x - 1)^3}$$

Sequence: A002999
Score: 8.50300
Type of gen. func.: lgdogf

$$-\frac{2 (1 + x) (14 x^4 - 26 x^3 + 18 x^2 - 6 x + 1)}{(-1 + x) (2 x - 1) (8 x^5 - 14 x^4 + 18 x^3 - 15 x^2 + 6 x - 1)}$$

Sequence: A003013
Score: 5.32867
Type of gen. func.: ogf

$$\frac{8 x^5 - 22 x^4 + 30 x^3 - 21 x^2 + 7 x - 1}{(-1 + x)^2 (2 x - 1)^3}$$

Sequence: A003013
Score: 6.47832
Type of gen. func.: lgdogf

$$-\frac{(1 + x) (12 x^4 - 20 x^3 + 12 x^2 - 4 x + 1)}{(-1 + x) (2 x - 1) (8 x^5 - 22 x^4 + 30 x^3 - 21 x^2 + 7 x - 1)}$$

Sequence: A003058
Score: 5.06637
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^2 - x - 1}{x^2 + 1}$$

Sequence: A003063
Score: 11.8846
Type of gen. func.: lgdogf

$$-\frac{-24 x^2 + 12 x - 1}{-24 x^3 + 26 x^2 - 9 x + 1}$$

Sequence: A003063
Score: 17.9589
Type of gen. func.: ogf

$$\frac{-1 + 4 x}{(3 x - 1) (2 x - 1)}$$

Sequence: A003063
Score: 19.0814
Type of gen. func.: lgdogf

$$-\frac{24 x^2 - 12 x + 1}{(3 x - 1) (2 x - 1) (-1 + 4 x)}$$

Sequence: A003063
Score: 20.5492
Type of gen. func.: revogf

$$\frac{-1 + 5 x + (x^2 + 6 x + 1)^{1/2}}{4 (-2 + 3 x)}$$

Sequence: A003063
Score: 9.08035
Type of gen. func.: ogf

$$-(f(x) + 1) (6 f(x) x^2 - 5 f(x) x + f(x) - 4 x + 1)$$

Sequence: A003063
Score: 9.85551
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 6 a(n), a(0) = -1, a(1) = -1\}$$

Sequence: A003073
Score: 4.85873
Type of gen. func.: ogf

$$(2 x^{20} + 2 x^{19} - x^{17} + 2 x^{14} + x^{12} - 2 x^{11} - x^{10} + x^8 + x^7 + x^6 + x^4 + 2 x^2 + x + 1) / ((-1 + x) (x^2 + x + 1) (x^6 + x^3 + 1) (2 x^3 - 1))$$

Sequence: A003079
Score: 12.5715
Type of gen. func.: ogf

$$- \frac{10 x^4 + 20 x^3 + 7 x^2 + 14 x + 5}{(-1 + x) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A003079
Score: 7.41233
Type of gen. func.: lgdogf

$$-\frac{10x^8+40x^7+21x^6+56x^5+25x^4+40x^3+60x^2+14x+14}{(-1+x)(10x^4+20x^3+7x^2+14x+5)(x^4+x^3+x^2+x+1)}$$

Sequence: A003082
Score: 5.49233
Type of gen. func.: ogf

$$\frac{x^8-x^7+x^6+x^4+x^2-x+1}{(x^2+1)(1+x)^2(x^2+x+1)^2(-1+x)^6}$$

Sequence: A003105
Score: 19.5188
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^4-1}{-x^6+1}$$

Sequence: A003106
Score: 20.0712
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^2+x}{x^5-1}$$

Sequence: A003114
Score: 19.6528
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^3-1}{-x^5+1}$$

Sequence: A003120
Score: 5.02331
Type of gen. func.: lgdogf

$$-(2 x^{11} + x^{10} + 12 x^{9} - 4 x^{8} - 12 x^{7} + 9 x^{6} - 10 x^{5} - 7 x^{4} + 22 x^{3} - 8 x^{2} - 2 x + 1) / ((-1 + x) (x^{2} + 2 x - 1) (x^{5} + 3 x^{3} - 2 x^{2} - 2 x + 1) (x^{4} + 2 x^{2} - 1))$$

Sequence: A003143
Score: 5.78449
Type of gen. func.: lgdogf

$$-(2 x^{11} - 4 x^{10} + 6 x^{9} + 2 x^{8} + 2 x^{7} + 5 x^{6} - 4 x^{5} - 2 x^{4} + 2 x^{3} - 2 x - 1) / ((-1 + x) (x^{2} + x + 1) (x^{2} - x + 1) (2 x^{2} - 1) (x^{7} - x^{6} + x^{5} - x^{4} + x^{3} + 1))$$

Sequence: A003143
Score: 6.14707
Type of gen. func.: ogf

$$\frac{x^{7} - x^{6} + x^{5} - x^{4} + x^{3} + 1}{(-1 + x) (2 x^{2} - 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A003148
Score: 12.6737
Type of gen. func.: lgdegf]

$$-\frac{1 + 6 x}{(2 x - 1) (1 + 2 x)}$$

Sequence: A003148

Score: 15.4552
Type of gen. func.: lgdegf]

$$-\frac{-6\,x-1}{-4\,x^{2}+1}$$

Sequence: A003148
Score: 5.31274
Type of gen. func.: ogf

$$\{(-4\,n^{2}-18\,n-20)\,a(n+1)+a(n+3)-a(n+2),\ a(0)=1,\ a(1)=1,\ a(2)=7\}$$

Sequence: A003148
Score: 8.39545
Type of gen. func.: egf]

$$8\,f(x)^{2}\,x^{3}-4\,f(x)^{2}\,x^{2}-2\,f(x)^{2}\,x+f(x)^{2}-1$$

Sequence: A003149
Score: 4.21549
Type of gen. func.: ogf

$$\{(n^{2}+6\,n+9)\,a(n+1)+(-3\,n-10)\,a(n+2)+2\,a(n+3),\ a(0)=1,\ a(1)=2,\ a(2)=5\}$$

Sequence: A003154
Score: 11.5115
Type of gen. func.: lgdogf

$$-\frac{x^{2}+22\,x+13}{x^{3}+9\,x^{2}-9\,x-1}$$

Sequence: A003154
Score: 12.2542
Type of gen. func.: ogf

$$-\frac{x^2 + 10 x + 1}{(-1 + x)^3}$$

Sequence: A003154
Score: 21.9035
Type of gen. func.: lgdogf

$$-\frac{x^2 + 22 x + 13}{(-1 + x) (x^2 + 10 x + 1)}$$

Sequence: A003154
Score: 6.66458
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 13, a(2) = 37\}$$

Sequence: A003154
Score: 7.32436
Type of gen. func.: ogf

$$(59 f(x) - 374) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 10 x + 1)$$

Sequence: A003168
Score: 19.6319
Type of gen. func.: revogf

$$\frac{(1 + x + (x^2 - 6 x + 1)^{1/2}) x}{2}$$

Sequence: A003168
Score: 9.856
Type of gen. func.: ogf

$$-1 + f(x) + f(x)^2 x - 2 f(x)^3 x$$

Sequence: A003169
Score: 11.8853
Type of gen. func.: revogf

$$-\frac{-x^3 + 2 x^2 - x}{1 + x}$$

Sequence: A003169
Score: 37.8662
Type of gen. func.: revogf

$$\frac{x (-1 + x)^2}{1 + x}$$

Sequence: A003169
Score: 8.02647
Type of gen. func.: ogf

$$f(x)^3 x^2 - 2 f(x)^2 x - f(x) x + f(x) - 1$$

Sequence: A003185
Score: 15.1001
Type of gen. func.: lgdogf

$$-\frac{3 (x^2 - 18 x - 15)}{(-1 + x) (3 x^2 - 30 x - 5)}$$

Sequence: A003185
Score: 5.15391
Type of gen. func.: ogf

$$(176 f(x) - 4039) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 3 x^2 - f(x) + 30 x + 5)$$

Sequence: A003185
Score: 5.24355
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 5, a(1) = 45, a(2) = 117\}$$

Sequence: A003185
Score: 8.86776
Type of gen. func.: lgdogf

$$-\frac{-3 x^2 + 54 x + 45}{-3 x^3 + 33 x^2 - 25 x - 5}$$

Sequence: A003185
Score: 9.72594
Type of gen. func.: ogf

$$\frac{3 x^2 - 30 x - 5}{(-1 + x)^3}$$

Sequence: A003208
Score: 3.82394
Type of gen. func.: ogf

$$(3 f(x) x - f(x) + 3 x + 1)^3$$

Sequence: A003212
Score: 4.14497
Type of gen. func.: ogf

$$(3 f(x) x - f(x) + x + 1)^3$$

Sequence: A003215
Score: 12.5574
Type of gen. func.: lgdogf

$$-\frac{x^2 + 10x + 7}{x^3 + 3x^2 - 3x - 1}$$

Sequence: A003215
Score: 13.3809
Type of gen. func.: ogf

$$-\frac{x^2 + 4x + 1}{(-1 + x)^3}$$

Sequence: A003215
Score: 25.0260
Type of gen. func.: lgdogf

$$-\frac{x^2 + 10x + 7}{(-1 + x)(x^2 + 4x + 1)}$$

Sequence: A003215
Score: 7.22329
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 7, a(2) = 19\}$$

Sequence: A003215
Score: 7.43408
Type of gen. func.: ogf

$$(29 f(x) - 80) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 4 x + 1)$$

Sequence: A003221
Score: 10.4195
Type of gen. func.: lgdegf]

$$4 x^3 - 8 x^2 + (7 x^3 - 10 x^2 - 8 x + 8) f(x) + (3 x^3 - 3 x^2 - 6 x + 6) f(x)^2$$

Sequence: A003221
Score: 10.6803
Type of gen. func.: lgdegf]

$$-\frac{-x^3+2x^2}{-x^3+x^2+2x-2}$$

Sequence: A003222
Score: 3.45023
Type of gen. func.: ogf

$$(32592526792 f(x)+97665627909)(8 f(x) x^4-25 f(x) x^3+27 f(x) x^2-14 x^3-11 f(x) x-52 x^2+f(x)+12 x-2)$$

Sequence: A003222
Score: 6.77576
Type of gen. func.: ogf

$$\frac{2(7x^3+26x^2-6x+1)}{(8x-1)(-1+x)^3}$$

Sequence: A003222
Score: 8.09721
Type of gen. func.: lgdogf

$$-\frac{56x^4+528x^3+17x^2-8x-5}{(-1+x)(8x-1)(7x^3+26x^2-6x+1)}$$

Sequence: A003229
Score: 14.6998
Type of gen. func.: ogf

$$2x^2+1$$

$$-\frac{\qquad}{2x^3+x-1}$$

Sequence: A003229
Score: 16.8084
Type of gen. func.: lgdogf

$$-\frac{4x^4+4x^2+4x+1}{(2x^2+1)(2x^3+x-1)}$$

Sequence: A003229
Score: 7.66264
Type of gen. func.: ogf

$$\{a(n+3)-a(n+2)-2\,a(n),\ a(0)=1,\ a(1)=1,\ a(2)=3\}$$

Sequence: A003229
Score: 8.09312
Type of gen. func.: ogf

$$(f(x)-1)(2\,f(x)\,x^3+f(x)\,x+2x^2-f(x)+1)$$

Sequence: A003229
Score: 9.00360
Type of gen. func.: lgdogf

$$-\frac{-4x^4-4x^2-4x-1}{-4x^5-4x^3+2x^2-x+1}$$

Sequence: A003230
Score: 10.9147
Type of gen. func.: lgdogf

$$-\frac{2(10x^4-12x^3+6x^2-5x+2)}{(-1+x)(2x-1)(2x^3+x-1)}$$

Sequence: A003230
Score: 12.1985
Type of gen. func.: ogf

$$-\frac{1}{(2x-1)(-1+x)(2x^{3}+x-1)}$$

Sequence: A003232
Score: 11.3355
Type of gen. func.: lgdogf

$$\frac{2x^{3}-3x^{2}+4x-7}{(-1+x)(2x-1)(x^{2}-4x-1)}$$

Sequence: A003232
Score: 4.80289
Type of gen. func.: ogf

$$\{a(n+4)-4a(n+3)+4a(n+2),\ a(0)=1,\ a(1)=7,\ a(2)=19,\ a(3)=49\}$$

Sequence: A003232
Score: 5.01923
Type of gen. func.: ogf

$$-(3421 f(x)+4283)(4 f(x) x^{2}-x^{3}-4 f(x) x+5 x^{2}+f(x)-3 x-1)$$

Sequence: A003232
Score: 6.79433
Type of gen. func.: lgdogf

$$-\frac{-2x^{3}+3x^{2}-4x+7}{2x^{4}-11x^{3}+11x^{2}-x-1}$$

Sequence: A003232
Score: 9.13336
Type of gen. func.: ogf

$$\frac{(-1 + x)\,(x^{2} - 4 x - 1)}{(2 x - 1)^{2}}$$

Sequence: A003245
Score: 6.07758
Type of gen. func.: lgdogf

$$\frac{8 x^{7} - 35 x^{6} + 144 x^{5} - 475 x^{4} + 1056 x^{3} - 1440 x^{2} + 1008 x - 240}{x^{8} - 5 x^{7} + 24 x^{6} - 95 x^{5} + 264 x^{4} - 480 x^{3} + 504 x^{2} - 240 x + 24}$$

Sequence: A003261
Score: 10.7067
Type of gen. func.: ogf

$$\frac{4 x^{2} - 2 x - 1}{(-1 + x)\,(2 x - 1)^{2}}$$

Sequence: A003261
Score: 12.5448
Type of gen. func.: lgdogf

$$- \frac{8 x^{3} - 4 x^{2} - 10 x + 7}{(-1 + x)\,(2 x - 1)\,(4 x^{2} - 2 x - 1)}$$

Sequence: A003261
Score: 5.72905
Type of gen. func.: ogf

$$(59 f(x) - 609)\,(4 f(x) x^{3} - 8 f(x) x^{2} + 5 f(x) x - 4 x^{2} - f(x) + 2 x + 1)$$

Sequence: A003261
Score: 5.77974
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 8 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 7, a(2) = 23\}$$

Sequence: A003261
Score: 7.96477
Type of gen. func.: lgdogf

$$-\frac{-8 x^3 + 4 x^2 + 10 x - 7}{-8 x^4 + 16 x^3 - 8 x^2 - x + 1}$$

Sequence: A003264
Score: 4.57325
Type of gen. func.: ogf

$$x (4 x^9 - 23 x^8 + 90 x^7 - 240 x^6 + 386 x^5 - 240 x^4 - 240 x^3 + 480 x^2 - 240 x + 24)/((-1 + x) (1 + x))$$

Sequence: A003269
Score: 14.7757
Type of gen. func.: ogf

$$f(x) x^4 + f(x) x - f(x) + x$$

Sequence: A003269
Score: 16.7648
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 1}{x^4 + x - 1}$$

Sequence: A003269
Score: 17.5529

Type of gen. func.: lgdogf

$$-a(n+4)+a(n+3)+a(n),\ a(0)=1,\ a(1)=1,\ a(2)=1,\ a(3)=5$$

Sequence: A003269
Score: 23.5613
Type of gen. func.: ogf

$$-\frac{x}{x^4+x-1}$$

Sequence: A003272
Score: 4.53861
Type of gen. func.: ogf

$$x\,(4\,x^9-24\,x^8+90\,x^7-240\,x^6+385\,x^5-240\,x^4-240\,x^3+480\,x^2-240\,x+24)/((-1+x)\,(1+x))$$

Sequence: A003274
Score: 8.03519
Type of gen. func.: ogf

$$-\frac{x^6-x^5+x^3+2\,x^2-2\,x+1}{(x^3+x-1)\,(-1+x)^2}$$

Sequence: A003274
Score: 8.95874
Type of gen. func.: lgdogf

$$-\frac{2\,(x^2-x+1)\,(x^5-2\,x^4+5\,x^3+x^2-2\,x-1)}{(-1+x)\,(x^3+x-1)\,(x^5-2\,x^3+3\,x^2-x+1)}$$

Sequence: A003293
Score: 20.8922
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{1}{x^3 - x^2 - x + 1}$$

Sequence: A003402
Score: 20.3134
Type of gen. func.: ogf_with_Euler_transform]

$$x^4 + x^3 + 2\,x^2 + x + 1$$

Sequence: A003402
Score: 4.92454
Type of gen. func.: ogf

$$\frac{1}{(x^2 + 1)\,(x^4 + x^3 + x^2 + x + 1)\,(1 + x)^2\,(x^2 + x + 1)^2\,(-1 + x)^6}$$

Sequence: A003408
Score: 4.71899
Type of gen. func.: ogf

$$\{(27\,n^3 + 297\,n^2 + 1086\,n + 1320)\,a(n + 1) + (-4\,n^3 - 46\,n^2 - 166\,n - 180)\,a(n + 2),\ a(0) = 1,\ a(1) = 9\}$$

Sequence: A003408
Score: 6.56117
Type of gen. func.: lgdogf

$$1296 - 9261\,x + (-11907\,x^2 + 2709\,x - 144)\,f(x) + (-5103\,x^3 + 1404\,x^2 - 96\,x)\,f(x)^2 + (-729\,x^4 + 216\,x^3 - 16\,x^2)\,f(x)^3$$

Sequence: A003409
Score: 14.6307
Type of gen. func.: revogf

$$-\frac{x^2+3x}{-4x^2-12x-9}$$

Sequence: A003409
Score: 44.8468
Type of gen. func.: revogf

$$\frac{x(3+x)}{(3+2x)^2}$$

Sequence: A003409
Score: 7.38503
Type of gen. func.: ogf

$$\{(-4n-10)a(n+1)+(n+3)a(n+2),\ a(0)=3,\ a(1)=9\}$$

Sequence: A003409
Score: 9.94137
Type of gen. func.: ogf

$$-4f(x)^2x^2+f(x)^2x-12f(x)x+3f(x)-9$$

Sequence: A003410
Score: 13.2350
Type of gen. func.: ogf

$$-\frac{(1+x)(x^2+1)}{x^3+x-1}$$

Sequence: A003410
Score: 18.8663
Type of gen. func.: lgdogf

$$-\frac{x^4+5x^2+2x+2}{{}^{2}\qquad{}^{3}}$$

$$(1 + x) (x + 1) (x + x - 1)$$

Sequence: A003410
Score: 7.08190
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3) - a(n + 1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 5\}$$

Sequence: A003410
Score: 7.99343
Type of gen. func.: ogf

$$(4 f(x) + 5) (f(x) x^3 + x^3 + f(x) x + x^2 - f(x) + x + 1)$$

Sequence: A003410
Score: 9.61115
Type of gen. func.: lgdogf

$$-\frac{-x^4 - 5 x^2 - 2 x - 2}{-x^6 - x^5 - 2 x^4 - x^3 + 1}$$

Sequence: A003411
Score: 11.5719
Type of gen. func.: ogf

$$-\frac{x^4 + x^3 + x^2 + x + 1}{x^4 + x - 1}$$

Sequence: A003411
Score: 13.5056
Type of gen. func.: lgdogf

$$-\frac{x^6 + 2 x^5 + 6 x^3 + 2 x^2 + 2 x + 2}{(x^4 + x^3 + x^2 + x + 1) (x^4 + x - 1)}$$

Sequence: A003411
Score: 7.32536
Type of gen. func.: ogf

$$(f(x) - 3) (f(x) x^4 + x^4 + x^3 + f(x) x + x^2 - f(x) + x + 1)$$

Sequence: A003412
Score: 6.39671
Type of gen. func.: ogf

$$- \frac{3 x^{11} + 2 x^{10} + 2 x^9 + x^8 + x^7 + 2 x^6 + 2 x^5 + 2 x^4 + x^3 + x^2 + x + 1}{x^6 + x - 1}$$

Sequence: A003413
Score: 8.09081
Type of gen. func.: lgdogf

$$(x^{12} - 2 x^{10} - 2 x^9 - 3 x^8 + 2 x^7 - 7 x^6 - 4 x^5 - 7 x^4 - 2 x^3 - 2 x^2 - 2 x - 2) \Big/ ((x^2 + x + 1) (x^5 + x^3 + 1) (x^6 + x - 1))$$

Sequence: A003413
Score: 8.86630
Type of gen. func.: ogf

$$- \frac{(x^2 + x + 1) (x^5 + x^3 + 1)}{x^6 + x - 1}$$

Sequence: A003417
Score: 13.0479
Type of gen. func.: ogf

$$\frac{x^6 - x^4 - 3 x^3 + 2 x^2 + x + 2}{(x^2 + x + 1)^2 (-1 + x)^2}$$

Sequence: A003417
Score: 13.1455
Type of gen. func.: lgdogf

$$\frac{2 x^6 + 3 x^5 - 8 x^4 - x^3 - 3 x^2 - 4 x - 1}{(-1 + x) (x^2 + x + 1) (x^6 - x^4 - 3 x^3 + 2 x^2 + x + 2)}$$

Sequence: A003422
Score: 5.04508
Type of gen. func.: ogf

$\{(-2 - n) a(n + 1) + (n + 3) a(n + 2) - a(n + 3), a(0) = 0, a(1) = 1, a(2) = 2\}$

Sequence: A003440
Score: 5.0899
Type of gen. func.: ogf

$$f(x)^2 x^4 - 3 f(x)^2 x^3 - f(x) x^4 + f(x)^2 x^2 + 3 f(x) x^3 - 3 f(x) x - x^2 + f(x) + 2 x - 1$$

Sequence: A003451
Score: 10.3071
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 + 8 x^2 + 8 x + 4}{-x^4 + 2 x^3 + 2 x^2 - 2 x - 1}$$

Sequence: A003451
Score: 17.5887
Type of gen. func.: lgdogf

$$-\frac{4 (x^3 - 2 x^2 - 2 x - 1)}{(-1 + x) (1 + x) (x^2 - 2 x - 1)}$$

Sequence: A003451
Score: 9.70078
Type of gen. func.: ogf

$$-\frac{x^2 - 2x - 1}{(1 + x)^2 (-1 + x)^4}$$

Sequence: A003452
Score: 7.76145
Type of gen. func.: lgdogf

$$-\frac{3x^4 + 6x^3 - 10x^2 - 16x - 7}{x^5 + x^4 - 4x^3 - 3x^2 + 3x + 2}$$

Sequence: A003452
Score: 8.17873
Type of gen. func.: ogf

$$-\frac{(2 + x)(x^2 - x - 1)}{(1 + x)^2 (-1 + x)^4}$$

Sequence: A003453
Score: 15.0448
Type of gen. func.: lgdogf

$$-\frac{4x^3 - 3x^2 - 6x - 3}{(-1 + x)(1 + x)(x^2 - x - 1)}$$

Sequence: A003453
Score: 7.96489
Type of gen. func.: ogf

$$x^2 - x - 1$$

$$- \frac{}{(1 + x)^{2} (-1 + x)^{4}}$$

Sequence: A003453
Score: 8.46270
Type of gen. func.: lgdogf

$$- \frac{-4 x^{3} + 3 x^{2} + 6 x + 3}{-x^{4} + x^{3} + 2 x^{2} - x - 1}$$

Sequence: A003461
Score: 13.6014
Type of gen. func.: ogf

$$- \frac{3 x^{2} + 5 x - 4}{(2 x - 1) (-1 + x)}$$

Sequence: A003461
Score: 15.3698
Type of gen. func.: lgdogf

$$- \frac{19 x^{2} - 22 x + 7}{(-1 + x) (2 x - 1) (3 x^{2} + 5 x - 4)}$$

Sequence: A003461
Score: 6.99878
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 2 a(n + 1), a(0) = 4, a(1) = 7, a(2) = 10\}$$

Sequence: A003461
Score: 7.66886
Type of gen. func.: ogf

$$(f(x) - 53) (2 f(x) x^{2} - 3 f(x) x + 3 x^{2} + f(x) + 5 x - 4)$$

Sequence: A003461
Score: 9.48518
Type of gen. func.: lgdogf

$$-\frac{19 x^2 - 22 x + 7}{6 x^4 + x^3 - 20 x^2 + 17 x - 4}$$

Sequence: A003462
Score: 11.3399
Type of gen. func.: ogf

$$-3 f(x) x^2 + 4 f(x) x - f(x) + x$$

Sequence: A003462
Score: 13.9387
Type of gen. func.: lgdogf

$$-\frac{6 x - 4}{3 x^2 - 4 x + 1}$$

Sequence: A003462
Score: 18.8334
Type of gen. func.: revogf

$$-\frac{-1 - 4 x + (4 x^2 + 8 x + 1)^{1/2}}{6 x}$$

Sequence: A003462
Score: 20.2744
Type of gen. func.: ogf

$$\frac{x}{(-1 + x) (3 x - 1)}$$

Sequence: A003462
Score: 25.3526
Type of gen. func.: lgdogf

$$-\frac{2\ (-2 + 3\ x)}{(3\ x - 1)\ (-1 + x)}$$

Sequence: A003462
Score: 8.25995
Type of gen. func.: ogf

$$\{a(n + 2) - 4\ a(n + 1) + 3\ a(n),\ a(0) = 0,\ a(1) = 1\}$$

Sequence: A003463
Score: 11.6888
Type of gen. func.: ogf

$$-5\ f(x)\ x^{2} + 6\ f(x)\ x - f(x) + x$$

Sequence: A003463
Score: 14.0742
Type of gen. func.: lgdogf

$$-\frac{10\ x - 6}{5\ x^{2} - 6\ x + 1}$$

Sequence: A003463
Score: 17.8974
Type of gen. func.: revogf

$$-\frac{-6\ x - 1 + (16\ x^{2} + 12\ x + 1)^{1/2}}{10\ x}$$

Sequence: A003463
Score: 20.8981
Type of gen. func.: ogf

$$x$$

$$\overline{(5 x - 1) (-1 + x)}$$

Sequence: A003463
Score: 27.2041
Type of gen. func.: lgdogf

$$- \frac{2 (5 x - 3)}{(5 x - 1) (-1 + x)}$$

Sequence: A003463
Score: 8.51404
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 5 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A003464
Score: 10.4781
Type of gen. func.: ogf

$$-6 f(x) x^2 + 7 f(x) x - f(x) + x$$

Sequence: A003464
Score: 12.6165
Type of gen. func.: lgdogf

$$- \frac{12 x - 7}{6 x^2 - 7 x + 1}$$

Sequence: A003464
Score: 16.0246
Type of gen. func.: revogf

$$- \frac{-1 - 7 x + (25 x^2 + 14 x + 1)^{1/2}}{12 x}$$

Sequence: A003464
Score: 18.7336
Type of gen. func.: ogf

$$\frac{x}{(6 x - 1) (-1 + x)}$$

Sequence: A003464
Score: 24.3574
Type of gen. func.: lgdogf

$$- \frac{12 x - 7}{(6 x - 1) (-1 + x)}$$

Sequence: A003464
Score: 7.63220
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) + 6 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A003467
Score: 3.69938
Type of gen. func.: ogf

$$(256 x^8 - 1280 x^7 + 2656 x^6 - 2960 x^5 + 2690 x^4 - 1512 x^3 + 460 x^2 - 72 x + 5) / ((-1 + 4 x)^4 (-1 + x)^4)$$

Sequence: A003467
Score: 4.02014
Type of gen. func.: ogf

$$\{(-4 n^2 - 36 n - 80) a(n) + (5 n^2 + 30 n + 25) a(n + 1) + (-n^2 - 3 n - 2) a(n + 2), a(0) = 5, a(1) = 28, a(2) = 190\}$$

Sequence: A003468
Score: 3.51789
Type of gen. func.: ogf

```
(269689588019489 f(x) + 208054514304000)

               4              3              2
    (840 f(x) x  - 638 f(x) x  + 179 f(x) x  - 22 f(x) x + f(x) - 1)
```

Sequence: A003468
Score: 8.17433
Type of gen. func.: lgdogf

```
                                 3        2
                        2 (1680 x  - 957 x  + 179 x - 11)
                   - ----------------------------------------
                     (6 x - 1) (-1 + 4 x) (7 x - 1) (5 x - 1)
```

Sequence: A003468
Score: 9.54854
Type of gen. func.: ogf

```
                                       1
                    ----------------------------------------
                    (6 x - 1) (-1 + 4 x) (7 x - 1) (5 x - 1)
```

Sequence: A003469
Score: 15.7034
Type of gen. func.: lgdogf

```
                                3      2
                             6 x  + 7 x  - 16 x + 6
                       - --------------------------------
                                                     2
                         (-1 + x) (2 x - 1) (x  + x - 1)
```

Sequence: A003469
Score: 9.27981
Type of gen. func.: lgdogf

```
                                 3      2
                              6 x  + 7 x  - 16 x + 6
                          - ---------------------------
                                 4    3      2
                               2 x  - x  - 4 x  + 4 x - 1
```

Sequence: A003469
Score: 9.39581
Type of gen. func.: ogf

$$\frac{x^2 + x - 1}{(2x - 1)^2 (-1 + x)^3}$$

Sequence: A003472
Score: 10.6300
Type of gen. func.: ogf

$$-\frac{1}{(2x - 1)^5}$$

Sequence: A003472
Score: 21.2601
Type of gen. func.: lgdogf

$$\frac{10}{-2x + 1}$$

Sequence: A003472
Score: 5.81643
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (12 + 2 n) a(n + 1), a(0) = 1, a(1) = 10\}$$

Sequence: A003472
Score: 50.3191
Type of gen. func.: lgdogf

$$-\frac{10}{2x - 1}$$

Sequence: A003476
Score: 4.5689
Type of gen. func.: ogf

$$-(8 f(x) - 1) (2 f(x) x^3 + f(x) x + x^2 - f(x) + x + 1)$$

Sequence: A003476
Score: 4.71471
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 2 a(n), a(0) = 1, a(1) = 2, a(2) = 3\}$$

Sequence: A003476
Score: 8.36194
Type of gen. func.: ogf

$$- \frac{x^2 + x + 1}{2 x^3 + x - 1}$$

Sequence: A003476
Score: 9.76940
Type of gen. func.: lgdogf

$$- \frac{(x^2 + 2 x + 2) (2 x^2 + 1)}{(x^2 + x + 1) (2 x^3 + x - 1)}$$

Sequence: A003477
Score: 10.3540
Type of gen. func.: lgdogf

$$- \frac{24 x^5 - 10 x^4 + 24 x^3 - 15 x^2 + 6 x - 3}{(2 x - 1) (x^2 + 1) (2 x^3 + x - 1)}$$

Sequence: A003477
Score: 10.7246
Type of gen. func.: ogf

$$\frac{1}{(2 x - 1) (x^2 + 1) (2 x^3 + x - 1)}$$

Sequence: A003478
Score: 16.3408
Type of gen. func.: ogf

$$\frac{1}{(2 x - 1) (2 x^{3} + x - 1)}$$

Sequence: A003478
Score: 18.2957
Type of gen. func.: lgdogf

$$- \frac{16 x^{3} - 6 x^{2} + 4 x - 3}{(2 x - 1) (2 x^{3} + x - 1)}$$

Sequence: A003478
Score: 6.72857
Type of gen. func.: ogf

$$(47 f(x) + 16) (4 f(x) x^{4} - 2 f(x) x^{3} + 2 f(x) x^{2} - 3 f(x) x + f(x) - 1)$$

Sequence: A003478
Score: 9.88520
Type of gen. func.: lgdogf

$$- \frac{16 x^{3} - 6 x^{2} + 4 x - 3}{4 x^{4} - 2 x^{3} + 2 x^{2} - 3 x + 1}$$

Sequence: A003479
Score: 16.4842
Type of gen. func.: ogf

$$\frac{1}{(-1 + x) (2 x^{3} + x - 1)}$$

Sequence: A003479
Score: 18.1864
Type of gen. func.: lgdogf

$$-\frac{2\,(4\,x^{3}-3\,x^{2}+x-1)}{(-1+x)\,(2\,x^{3}+x-1)}$$

Sequence: A003479
Score: 6.13048
Type of gen. func.: ogf

$$-(5\,f(x)+6)\,(2\,f(x)\,x^{4}-2\,f(x)\,x^{3}+f(x)\,x^{2}-2\,f(x)\,x+f(x)-1)$$

Sequence: A003479
Score: 9.27236
Type of gen. func.: lgdogf

$$-\frac{8\,x^{3}-6\,x^{2}+2\,x-2}{2\,x^{4}-2\,x^{3}+x^{2}-2\,x+1}$$

Sequence: A003480
Score: 11.8431
Type of gen. func.: ogf

$$\frac{(-1+x)^{2}}{2\,x^{2}-4\,x+1}$$

Sequence: A003480
Score: 14.2655
Type of gen. func.: lgdogf

$$\frac{2}{-2\,x^{3}+6\,x^{2}-5\,x+1}$$

Sequence: A003480
Score: 26.7307
Type of gen. func.: lgdogf

$$-\frac{2}{(-1 + x) (2 x^2 - 4 x + 1)}$$

Sequence: A003480
Score: 6.15375
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 7\}$$

Sequence: A003480
Score: 6.67746
Type of gen. func.: ogf

$$(-9 + 41 f(x)) (2 f(x) x^2 - 4 f(x) x - x^2 + f(x) + 2 x - 1)$$

Sequence: A003481
Score: 12.2121
Type of gen. func.: ogf

$$\frac{x^2 - 4 x - 2}{(-1 + x) (x^2 - 7 x + 1)}$$

Sequence: A003481
Score: 12.4166
Type of gen. func.: lgdogf

$$-\frac{x^4 - 8 x^3 + 18 x^2 + 34 x - 20}{(-1 + x) (x^2 - 7 x + 1) (x^2 - 4 x - 2)}$$

Sequence: A003481
Score: 6.10608

Type of gen. func.: ogf

$$-(47140 f(x) - 3641) (f(x) x^3 - 8 f(x) x^2 + 8 f(x) x - x^2 - f(x) + 4 x + 2)$$

Sequence: A003481
Score: 6.47775
Type of gen. func.: ogf

$$\{-a(n + 3) + 8 a(n + 2) - 8 a(n + 1) + a(n), a(0) = 2, a(1) = 20, a(2) = 143\}$$

Sequence: A003481
Score: 7.23244
Type of gen. func.: lgdogf

$$-\frac{x^4 - 8 x^3 + 18 x^2 + 34 x - 20}{x^5 - 12 x^4 + 38 x^3 - 17 x^2 - 12 x + 2}$$

Sequence: A003482
Score: 12.2557
Type of gen. func.: ogf

$$\frac{x (x - 5)}{(-1 + x) (x^2 - 7 x + 1)}$$

Sequence: A003482
Score: 14.0674
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 23 x^2 + 80 x - 39}{(-1 + x) (x - 5) (x^2 - 7 x + 1)}$$

Sequence: A003482
Score: 6.23728
Type of gen. func.: ogf

$$\{-a(n + 3) + 8 a(n + 2) - 8 a(n + 1) + a(n), a(0) = 0, a(1) = 5, a(2) = 39\}$$

Sequence: A003482
Score: 6.78229
Type of gen. func.: ogf

$$-f(x) (f(x) x^3 - 8 f(x) x^2 + 8 f(x) x - x^2 - f(x) + 5 x)$$

Sequence: A003482
Score: 8.12297
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 23 x^2 + 80 x - 39}{x^4 - 13 x^3 + 48 x^2 - 41 x + 5}$$

Sequence: A003485
Score: 10.2792
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^6 + 5 x^5 + 5 x^4 + 6 x^3 + 8 x^2 + 3 x + 1)}{(-1 + x) (1 + x) (x^2 + 1) (4 x^3 + 2 x^2 + x + 1)}$$

Sequence: A003485
Score: 12.0091
Type of gen. func.: ogf

$$\frac{4 x^3 + 2 x^2 + x + 1}{(1 + x) (x^2 + 1) (-1 + x)^2}$$

Sequence: A003485
Score: 6.27748
Type of gen. func.: ogf

$$-(31681 f(x) + 384503)$$

$$(f(x) x^5 - f(x) x^4 - 4 x^3 - f(x) x - 2 x^2 + f(x) - x - 1)$$

Sequence: A003486
Score: 14.5041
Type of gen. func.: lgdogf

$$-\frac{6\,(9x^2+3x+1)}{(3x-1)\,(18x^2-3x+1)}$$

Sequence: A003486
Score: 4.98297
Type of gen. func.: ogf

$$(76 f(x) - 31)\,(27 f(x) x^3 - 27 f(x) x^2 + 9 f(x) x + 18 x^2 - f(x) - 3 x + 1)$$

Sequence: A003486
Score: 5.02630
Type of gen. func.: ogf

{a(n + 3) - 9 a(n + 2) + 27 a(n + 1) - 27 a(n), a(0) = 1, a(1) = 6, a(2) = 45}

Sequence: A003486
Score: 8.50035
Type of gen. func.: lgdogf

$$-\frac{-54x^2-18x-6}{-54x^3+27x^2-6x+1}$$

Sequence: A003486
Score: 9.03162
Type of gen. func.: ogf

$$-\frac{18x^2-3x+1}{(3x-1)^3}$$

Sequence: A003499
Score: 11.1913
Type of gen. func.: lgdogf

$$-\frac{-3 x^2 + 2 x - 3}{-3 x^3 + 19 x^2 - 9 x + 1}$$

Sequence: A003499
Score: 16.1652
Type of gen. func.: ogf

$$-\frac{2 (3 x - 1)}{x^2 - 6 x + 1}$$

Sequence: A003499
Score: 21.0262
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 2 x + 3}{(3 x - 1) (x^2 - 6 x + 1)}$$

Sequence: A003499
Score: 7.82188
Type of gen. func.: ogf

$$-(140 f(x) - 199) (f(x) x^2 - 6 f(x) x + f(x) + 6 x - 2)$$

Sequence: A003499
Score: 8.87115
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + a(n), a(0) = 2, a(1) = 6\}$$

Sequence: A003500
Score: 14.0540

Type of gen. func.: ogf

$$-\frac{2(2x-1)}{x^2-4x+1}$$

Sequence: A003500
Score: 18.7794
Type of gen. func.: lgdogf

$$-\frac{2(x^2-x+1)}{(2x-1)(x^2-4x+1)}$$

Sequence: A003500
Score: 7.71259
Type of gen. func.: ogf

$$\{a(n+2)-4a(n+1)+a(n), a(0)=2, a(1)=4\}$$

Sequence: A003500
Score: 8.23475
Type of gen. func.: ogf

$$-(45 f(x)-58)(f(x) x^2-4 f(x) x+f(x)+4x-2)$$

Sequence: A003500
Score: 9.88175
Type of gen. func.: lgdogf

$$-\frac{-2x^2+2x-2}{-2x^3+9x^2-6x+1}$$

Sequence: A003501
Score: 13.3258
Type of gen. func.: ogf

$$5x-2$$

$$- \frac{}{x^2 - 5x + 1}$$

Sequence: A003501
Score: 17.2735
Type of gen. func.: lgdogf

$$- \frac{5x^2 - 4x + 5}{(5x - 2)(x^2 - 5x + 1)}$$

Sequence: A003501
Score: 7.31295
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + a(n), a(0) = 2, a(1) = 5\}$$

Sequence: A003501
Score: 7.92767
Type of gen. func.: ogf

$$-(21 f(x) - 17) (f(x) x^2 - 5 f(x) x + f(x) + 5 x - 2)$$

Sequence: A003501
Score: 9.08579
Type of gen. func.: lgdogf

$$- \frac{-5x^2 + 4x - 5}{-5x^3 + 27x^2 - 15x + 2}$$

Sequence: A003516
Score: 10.1723
Type of gen. func.: lgdogf

$$-35 + 144 x + (96 x^2 - 44 x + 5) f(x) + (16 x^3 - 8 x^2 + x) f(x)^2$$

Sequence: A003516
Score: 4.64912
Type of gen. func.: ogf

$$\{(-4 n^2 - 34 n - 72) a(n + 1) + (n^2 + 9 n + 14) a(n + 2), a(0) = 1, a(1) = 7\}$$

Sequence: A003516
Score: 6.88966
Type of gen. func.: lgdogf

$$\frac{- \frac{24 x - 5}{2 (-1 + 4 x)^{1/2}} + 5/2 I}{(-1 + 4 x)^{1/2} x}$$

Sequence: A003517
Score: 10.7324
Type of gen. func.: lgdogf

$$\frac{12}{(-4 x + 1)^{1/2} (1 + (-4 x + 1)^{1/2})}$$

Sequence: A003517
Score: 18.8814
Type of gen. func.: lgdogf

$$-36 + (6 - 24 x) f(x) + (-4 x^2 + x) f(x)^2$$

Sequence: A003517
Score: 5.27966
Type of gen. func.: ogf

$$\{(-4 n^2 - 34 n - 72) a(n + 1) + (n^2 + 10 n + 16) a(n + 2), a(0) = 1, a(1) = 6\}$$

Sequence: A003518
Score: 10.2803

Type of gen. func.: lgdogf

$$\frac{16}{(-4 x + 1)^{1/2} (1 + (-4 x + 1)^{1/2})}$$

Sequence: A003518
Score: 18.0752
Type of gen. func.: lgdogf

$$-64 + (8 - 32 x) f(x) + (-4 x^2 + x) f(x)^2$$

Sequence: A003518
Score: 5.01678
Type of gen. func.: ogf

$$\{(-4 n^2 - 42 n - 110) a(n + 1) + (n^2 + 12 n + 20) a(n + 2), a(0) = 1, a(1) = 8\}$$

Sequence: A003519
Score: 10.1662
Type of gen. func.: lgdogf

$$\frac{20}{(-4 x + 1)^{1/2} (1 + (-4 x + 1)^{1/2})}$$

Sequence: A003519
Score: 12.8755
Type of gen. func.: lgdogf

$$\frac{20}{(-4 x + 1)^{1/2} (1 + (-4 x + 1)^{1/2})}$$

Sequence: A003519
Score: 6.23339
Type of gen. func.: ogf

$$\{(-4 n^2 - 50 n - 156) a(n + 1) + (n^2 + 14 n + 24) a(n + 2), a(0) = 1, a(1) = 10$$

```
    }
```

Sequence: A003520
Score: 10.8247
Type of gen. func.: ogf

```
                                   5
          (f(x) - 2) (f(x) x  + f(x) x - f(x) + 1)
```

Sequence: A003520
Score: 16.8615
Type of gen. func.: lgdogf

```
                                        4
                                     5 x  + 1
                                  - ----------
                                      5
                                     x  + x - 1
```

Sequence: A003520
Score: 26.5696
Type of gen. func.: ogf

```
                                         1
                       - --------------------------
                            2              3    2
                          (x  - x + 1) (x  + x  - 1)
```

Sequence: A003520
Score: 26.9085
Type of gen. func.: lgdogf

```
                                         4
                                      5 x  + 1
                       - --------------------------
                            2              3    2
                          (x  - x + 1) (x  + x  - 1)
```

Sequence: A003522
Score: 12.0628
Type of gen. func.: lgdogf

```
                                4      3      2
                             2 x  - 3 x  - 3 x  + 3 x - 1
                        - -----------------------------------
```

$$(-1 + x) (x^4 + x^3 - 3 x^2 + 3 x - 1)$$

Sequence: A003522
Score: 5.3468
Type of gen. func.: ogf

$$(3 f(x) - 2) (f(x) x^4 + f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) - 2 x + 1)$$

Sequence: A003522
Score: 7.83793
Type of gen. func.: lgdogf

$$- \frac{-2 x^4 + 3 x^3 + 3 x^2 - 3 x + 1}{-x^5 + 4 x^3 - 6 x^2 + 4 x - 1}$$

Sequence: A003522
Score: 9.99620
Type of gen. func.: ogf

$$- \frac{(-1 + x)^2}{x^4 + x^3 - 3 x^2 + 3 x - 1}$$

Sequence: A003539
Score: 10.4851
Type of gen. func.: lgdogf

$$- \frac{1713 x^2 - 3522 x + 1777}{(-1 + x) (3 x - 1) (571 x - 587)}$$

Sequence: A003539
Score: 10.9436
Type of gen. func.: ogf

$$- \frac{571 x - 587}{(-1 + x) (3 x - 1)}$$

Sequence: A003539
Score: 5.4718
Type of gen. func.: ogf

$$(3586 f(x) + 1052747) (3 f(x) x^2 - 4 f(x) x + f(x) + 571 x - 587)$$

Sequence: A003539
Score: 6.16363
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 3 a(n), a(0) = 587, a(1) = 1777\}$$

Sequence: A003539
Score: 6.38376
Type of gen. func.: lgdogf

$$-\frac{-1713 x^2 + 3522 x - 1777}{-1713 x^3 + 4045 x^2 - 2919 x + 587}$$

Sequence: A003539
Score: 9.89156
Type of gen. func.: revogf

$$-\frac{-587 - 4 x + (4 x^2 + 2412 x + 344569)^{1/2}}{2 (571 + 3 x)}$$

Sequence: A003555
Score: 3.57852
Type of gen. func.: ogf

$$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 1, a(1) = 66,$$
$$a(2) = 6216\}$$

Sequence: A003555

Score: 4.66273
Type of gen. func.: ogf

$$-(3465189673 f(x) + 297886700)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - f(x) - 45 x + 1)$$

Sequence: A003555
Score: 6.37466
Type of gen. func.: lgdogf

$$- \frac{6 (15000 x^3 - 8825 x^2 + 370 x - 11)}{(-1 + x) (100 x - 1) (10 x - 1) (45 x - 1)}$$

Sequence: A003555
Score: 7.15703
Type of gen. func.: ogf

$$\frac{45 x - 1}{(-1 + x) (100 x - 1) (10 x - 1)}$$

Sequence: A003575
Score: 14.3950
Type of gen. func.: lgdegf]

$$-3 a(n) + (n + 1) a(n + 1), a(0) = 2, a(1) = 3$$

Sequence: A003576
Score: 13.2475
Type of gen. func.: lgdegf]

$$4 a(n) + (-n - 1) a(n + 1), a(0) = 2, a(1) = 4$$

Sequence: A003577
Score: 13.9701
Type of gen. func.: lgdegf]

$$5 a(n) + (-n - 1) a(n + 1), a(0) = 2, a(1) = 5$$

Sequence: A003578
Score: 14.6124
Type of gen. func.: lgdegf]

6 a(n) + (-n - 1) a(n + 1), a(0) = 2, a(1) = 6

Sequence: A003579
Score: 13.3003
Type of gen. func.: lgdegf]

-7 a(n) + (n + 1) a(n + 1), a(0) = 2, a(1) = 7

Sequence: A003579
Score: 15.3170
Type of gen. func.: lgdegf]

1 + exp(7 x)

Sequence: A003580
Score: 13.6938
Type of gen. func.: lgdegf]

8 a(n) + (-n - 1) a(n + 1), a(0) = 2, a(1) = 8

Sequence: A003580
Score: 15.7597
Type of gen. func.: lgdegf]

1 + exp(8 x)

Sequence: A003581
Score: 14.0086
Type of gen. func.: lgdegf]

-9 a(n) + (n + 1) a(n + 1), a(0) = 2, a(1) = 9

Sequence: A003581
Score: 16.1139
Type of gen. func.: lgdegf]

$$1 + \exp(9 x)$$

Sequence: A003582
Score: 13.4205
Type of gen. func.: lgdegf]

$$10 a(n) + (-n - 1) a(n + 1), a(0) = 2, a(1) = 10$$

Sequence: A003583
Score: 2.79081
Type of gen. func.: ogf

$$256 f(x)^2 x^4 - 256 f(x)^2 x^3 + 96 f(x)^2 x^2 + 64 f(x) x^3 - 16 f(x)^2 x - 64 f(x) x^2 + 4 x^3 + f(x)^2 + 20 f(x) x + 3 x^2 - 2 f(x) - 4 x + 1$$

Sequence: A003584
Score: 5.31456
Type of gen. func.: ogf

$$-128 f(x)^2 x^3 + 16 f(x)^2 x^2 + 96 f(x) x^2 - 20 f(x) x - 81 x^2 + f(x) + 18 x - 1$$

Sequence: A003590
Score: 11.4007
Type of gen. func.: ogf

$$-(11 f(x) x - f(x) + 1)^3$$

Sequence: A003590
Score: 18.6494
Type of gen. func.: lgdegf]

$$1331 - 363 f(x) + 33 f(x)^2 - f(x)^3$$

Sequence: A003600

Score: 16.2795
Type of gen. func.: lgdogf

$$-\frac{x^3 - x^2 + 2\,x + 2}{(-1 + x)\,(x^4 - 3\,x^3 + 4\,x^2 - 2\,x + 1)}$$

Sequence: A003600
Score: 5.34497
Type of gen. func.: ogf

$$(8\,f(x) - 11)\,(f(x)\,x^4 - 4\,f(x)\,x^3 - x^4 + 6\,f(x)\,x^2 + 3\,x^3 - 4\,f(x)\,x - 4\,x^2 + f(x) + 2\,x - 1)$$

Sequence: A003600
Score: 8.86778
Type of gen. func.: lgdogf

$$-\frac{-x^3 + x^2 - 2\,x - 2}{-x^5 + 4\,x^4 - 7\,x^3 + 6\,x^2 - 3\,x + 1}$$

Sequence: A003600
Score: 9.18076
Type of gen. func.: ogf

$$\frac{x^4 - 3\,x^3 + 4\,x^2 - 2\,x + 1}{(-1 + x)^4}$$

Sequence: A003619
Score: 6.56500
Type of gen. func.: ogf

$$-\frac{x^{18} - x^{17} + x^6 - x^5 + x^2 - x - 1}{(-1 + x)^2}$$

Sequence: A003619
Score: 6.77447
Type of gen. func.: lgdogf

$$\frac{16 x^{18} - 33 x^{17} + 17 x^{16} + 4 x^{6} - 9 x^{5} + 5 x^{4} - x + 3}{(-1 + x) (x^{18} - x^{17} + x^{6} - x^{5} + x^{2} - x - 1)}$$

Sequence: A003645
Score: 12.7546
Type of gen. func.: ogf

$$-4 f(x)^{2} x^{2} - 4 f(x) x + f(x) - 1$$

Sequence: A003645
Score: 18.8130
Type of gen. func.: revogf

$$- \frac{x}{-4 x^{2} - 4 x - 1}$$

Sequence: A003645
Score: 22.4235
Type of gen. func.: lgdogf

$$\frac{8}{(1 - 8 x)^{1/2} (1 + (1 - 8 x)^{1/2})}$$

Sequence: A003645
Score: 67.2705
Type of gen. func.: revogf

$$\frac{x}{(1 + 2 x)^{2}}$$

Sequence: A003645
Score: 7.16684
Type of gen. func.: ogf

$$\{(-8 n - 20) a(n + 1) + (n + 4) a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A003662
Score: 6.58572
Type of gen. func.: lgdogf

$$(6 x^{11} - 2 x^{10} - x^{9} - 3 x^{8} - 18 x^{7} - 6 x^{6} - 15 x^{5} - 13 x^{4} - 20 x^{3} - 12 x^{2} - 8 x - 4) / ((-1 + x) (1 + x) (x^{2} + 1) (2 x^{8} + x^{6} - x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 3 x + 1))$$

Sequence: A003662
Score: 8.90157
Type of gen. func.: ogf

$$\frac{2 x^{8} + x^{6} - x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 3 x + 1}{(1 + x) (x^{2} + 1) (-1 + x)^{2}}$$

Sequence: A003663
Score: 6.45428
Type of gen. func.: lgdogf

$$\frac{8 x^{10} - 2 x^{9} - 2 x^{8} - 15 x^{7} - x^{6} + x^{5} - 7 x^{4} - 6 x^{3} - 14 x^{2} - 10 x - 6}{(-1 + x) (x^{2} + x + 1) (2 x^{8} + x^{5} - 3 x^{4} + x^{3} + 2 x^{2} + 5 x + 1)}$$

Sequence: A003663
Score: 9.28261
Type of gen. func.: ogf

$$\frac{2 x^{8} + x^{5} - 3 x^{4} + x^{3} + 2 x^{2} + 5 x + 1}{(x^{2} + x + 1) (-1 + x)^{2}}$$

Sequence: A003664
Score: 6.94406
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^{9} - 2 x^{8} + 2 x^{7} + x^{6} + x^{5} + x^{4} + 3 x^{3} + x^{2} + 3 x + 2}{(x^{4} + x^{3} + x^{2} + x + 1) (-1 + x)^{2}}$$

Sequence: A003665
Score: 12.8207
Type of gen. func.: ogf

$$\frac{-1 + x}{(1 + 2 x) (-1 + 4 x)}$$

Sequence: A003665
Score: 14.1097
Type of gen. func.: lgdogf

$$- \frac{8 x^{2} - 16 x - 1}{(-1 + x) (1 + 2 x) (-1 + 4 x)}$$

Sequence: A003665
Score: 15.2537
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (36 x^{2} + 1)^{1/2}}{2 (8 x - 1)}$$

Sequence: A003665
Score: 7.03573
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 8 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A003665
Score: 8.87585
Type of gen. func.: lgdogf

$$-\frac{8 x^2 - 16 x - 1}{8 x^3 - 6 x^2 - 3 x + 1}$$

Sequence: A003665
Score: 9.18391
Type of gen. func.: ogf

$$(108 f(x) - 107) (8 f(x) x^2 + 2 f(x) x - f(x) - x + 1)$$

Sequence: A003674
Score: 11.6461
Type of gen. func.: lgdogf

$$-\frac{-16 x - 2}{-8 x^2 - 2 x + 1}$$

Sequence: A003674
Score: 12.7557
Type of gen. func.: revogf

$$\frac{-3 - 2 x + (12 x^2 + 4 x + 3)^{1/2} 3^{1/2}}{16 x}$$

Sequence: A003674
Score: 15.4232
Type of gen. func.: ogf

$$-\frac{3 x}{(1 + 2 x) (-1 + 4 x)}$$

Sequence: A003674
Score: 20.7871
Type of gen. func.: lgdogf

$$-\frac{2 (1 + 8 x)}{(1 + 2 x) (-1 + 4 x)}$$

Sequence: A003674
Score: 7.04517
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 8 a(n), a(0) = 0, a(1) = 3\}$$

Sequence: A003674
Score: 9.6722
Type of gen. func.: ogf

$$-8 f(x) x^2 - 2 f(x) x + f(x) - 3 x$$

Sequence: A003682
Score: 10.7693
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 + x + 1}{(-1 + x)^3}$$

Sequence: A003682
Score: 11.6106
Type of gen. func.: lgdogf

$$-\frac{-2 x^2 - 4}{-x^4 + 2 x^3 - 2 x^2 + 1}$$

Sequence: A003682
Score: 23.4735
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + 2)}{}$$

$$(-1 + x) (x^3 - x^2 + x + 1)$$

Sequence: A003682
Score: 5.58706
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 4, a(2) = 8,

a(3) = 14}

Sequence: A003682
Score: 6.19232
Type of gen. func.: ogf

$$(3 f(x) + 13) (f(x) x^3 - 3 f(x) x^2 + x^3 + 3 f(x) x - x^2 - f(x) + x + 1)$$

Sequence: A003683
Score: 10.1805
Type of gen. func.: ogf

$$-8 f(x) x^2 - 2 f(x) x + f(x) - x$$

Sequence: A003683
Score: 12.2582
Type of gen. func.: lgdogf

$$-\frac{-16 x - 2}{-8 x^2 - 2 x + 1}$$

Sequence: A003683
Score: 16.2338
Type of gen. func.: ogf

$$-\frac{x}{(1 + 2 x) (-1 + 4 x)}$$

Sequence: A003683
Score: 16.4199
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (36 x^{2} + 4 x + 1)^{1/2}}{16 x}$$

Sequence: A003683
Score: 21.8932
Type of gen. func.: lgdogf

$$- \frac{2 (1 + 8 x)}{(1 + 2 x) (-1 + 4 x)}$$

Sequence: A003683
Score: 7.41544
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 8 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A003685
Score: 4.92020
Type of gen. func.: ogf

$$\frac{2 x^{7} - 8 x^{6} + 12 x^{5} - 2 x^{4} - 2 x^{3} - 6 x^{2} + 5 x + 1}{(2 x - 1) (-1 + x) (2 x^{2} - 1)^{2}}$$

Sequence: A003688
Score: 11.7414
Type of gen. func.: lgdogf

$$- \frac{-x^{2} - 2 x - 4}{-x^{3} - 4 x^{2} - 2 x + 1}$$

Sequence: A003688
Score: 16.6989
Type of gen. func.: ogf

$$-\frac{1 + x}{x^2 + 3 x - 1},$$

Sequence: A003688
Score: 18.4567
Type of gen. func.: revogf

$$\frac{-1 - 3 x + (13 x^2 + 10 x + 1)^{1/2}}{2 (1 + x)}$$

Sequence: A003688
Score: 24.6089
Type of gen. func.: lgdogf

$$-\frac{x^2 + 2 x + 4}{(1 + x) (x^2 + 3 x - 1)}$$

Sequence: A003688
Score: 8.8406
Type of gen. func.: ogf

$$(7 f(x) + 1) (f(x) x^2 + 3 f(x) x - f(x) + x + 1)$$

Sequence: A003688
Score: 9.16405
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) - a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A003689
Score: 3.90918
Type of gen. func.: ogf

$$\{-a(n + 5) + 7 a(n + 4) - 16 a(n + 3) + 12 a(n + 2), a(0) = 3, a(1) = 30,$$
$$a(2) = 144, a(3) = 588, a(4) = 2160\}$$

Sequence: A003689
Score: 4.20989
Type of gen. func.: ogf

$$(123445 f(x) + 2731947) \left(12 f(x) x^3 - 12 x^4 - 16 f(x) x^2 + 24 x^3 + 7 f(x) x - 18 x^2 - f(x) + 9 x + 3 \right)$$

Sequence: A003689
Score: 7.27743
Type of gen. func.: lgdogf

$$\frac{2 (12 x^5 - 26 x^4 + 22 x^3 - 3 x^2 + 12 x - 5)}{(3 x - 1) (2 x - 1) (4 x^4 - 8 x^3 + 6 x^2 - 3 x - 1)}$$

Sequence: A003689
Score: 7.34163
Type of gen. func.: ogf

$$\frac{3 (4 x^4 - 8 x^3 + 6 x^2 - 3 x - 1)}{(3 x - 1) (2 x - 1)^2}$$

Sequence: A003690
Score: 11.4359
Type of gen. func.: ogf

$$- \frac{3 (1 + x)}{(-1 + x) (x^2 - 23 x + 1)}$$

Sequence: A003690
Score: 5.33028
Type of gen. func.: ogf

$\{a(n + 3) - 24 a(n + 2) + 24 a(n + 1) - a(n), a(0) = 3, a(1) = 75, a(2) = 1728\}$

Sequence: A003690
Score: 5.37584
Type of gen. func.: ogf

$$(29092775 f(x) - 352503) (f(x) x^{3} - 24 f(x) x^{2} + 24 f(x) x - f(x) + 3 x + 3)$$

Sequence: A003690
Score: 8.16848
Type of gen. func.: lgdogf

$$-\frac{-2 x^{3} + 21 x^{2} + 48 x - 25}{-x^{4} + 23 x^{3} - 23 x + 1}$$

Sequence: A003690
Score: 9.50581
Type of gen. func.: lgdogf

$$-\frac{2 x^{3} - 21 x^{2} - 48 x + 25}{(-1 + x) (1 + x) (x^{2} - 23 x + 1)}$$

Sequence: A003691
Score: 16.4137
Type of gen. func.: lgdogf

$$-\frac{12}{(1 + 2 x) (8 x^{2} + 8 x - 1)}$$

Sequence: A003691
Score: 4.01366
Type of gen. func.: ogf

$$\{-a(n + 3) + 8 a(n + 2) + 8 a(n + 1), a(0) = 3, a(1) = 36, a(2) = 324\}$$

Sequence: A003691
Score: 4.34468
Type of gen. func.: ogf

$$(21 + 89 f(x)) (8 f(x) x^2 + 8 f(x) x + 12 x^2 - f(x) + 12 x + 3)$$

Sequence: A003691
Score: 7.66244
Type of gen. func.: ogf

$$-\frac{3 (1 + 2 x)^2}{8 x^2 + 8 x - 1}$$

Sequence: A003691
Score: 8.96668
Type of gen. func.: lgdogf

$$-\frac{12}{16 x^3 + 24 x^2 + 6 x - 1}$$

Sequence: A003692
Score: 5.52941
Type of gen. func.: egf]

$$9 f(x)^2 x^3 - 6 f(x) x^3 + 2 x^3 + 18 f(x) x - 12 f(x) - 6 x + 12$$

Sequence: A003693
Score: 5.93018
Type of gen. func.: lgdogf

$$-\frac{2 x^7 - 9 x^6 + 8 x^5 + 16 x^4 - 24 x^3 - 12 x^2 + 24 x + 3}{(-1 + x) (x - 2) (1 + x) (x^5 - 3 x^4 - 2 x^3 + 7 x^2 + 2 x - 1)}$$

Sequence: A003693
Score: 6.57035

Type of gen. func.: ogf

$$-\frac{x(-1+x)(x-2)(1+x)}{x^5-3x^4-2x^3+7x^2+2x-1}$$

Sequence: A003697
Score: 3.68472
Type of gen. func.: ogf

$$-\frac{-1+x}{(1+x)(x^2-4x+1)}$$

Sequence: A003698
Score: 4.74747
Type of gen. func.: ogf

$$(29571 f(x) - 1036) (4 f(x) x^3 - 3 f(x) x^2 - 6 f(x) x + 4 x^2 + f(x) - 3 x - 1)$$

Sequence: A003698
Score: 4.95754
Type of gen. func.: ogf

{a(n + 3) - 6 a(n + 2) - 3 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 9, a(2) = 53}

Sequence: A003698
Score: 8.56592
Type of gen. func.: lgdogf

$$-\frac{16x^4-24x^3+21x^2-2x+9}{(-1+x)(1+4x)(1+x)(4x^2-7x+1)}$$

Sequence: A003698
Score: 9.18364
Type of gen. func.: ogf

$$-\frac{(1+4x)(-1+x)}{}$$

$$(1 + x) (4 x^2 - 7 x + 1)$$

Sequence: A003699
Score: 11.0630
Type of gen. func.: ogf

$$- \frac{x^2 - 2 x - 1}{x^2 - 4 x + 1}$$

Sequence: A003699
Score: 15.0999
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 - 2 x + 3)}{(x^2 - 4 x + 1) (x^2 - 2 x - 1)}$$

Sequence: A003699
Score: 5.69259
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + a(n + 1), a(0) = 1, a(1) = 6, a(2) = 22\}$$

Sequence: A003699
Score: 7.82615
Type of gen. func.: ogf

$$-(4 + 5 f(x)) (f(x) x^2 - 4 f(x) x + x^2 + f(x) - 2 x - 1)$$

Sequence: A003699
Score: 8.14357
Type of gen. func.: lgdogf

$$- \frac{2 x^2 - 4 x + 6}{x^4 - 6 x^3 + 8 x^2 + 2 x - 1}$$

Sequence: A003708
Score: 13.2668
Type of gen. func.: revegf]

$$a(n)\, n - a(n + 1) + (n + 2)\, a(n + 2),\ a(0) = 0,\ a(1) = 1$$

Sequence: A003724
Score: 11.9288
Type of gen. func.: lgdegf]

$$a(n + 1) + (-n^2 - 5 n - 6)\, a(n + 3),\ a(0) = 1,\ a(1) = 0,\ a(2) = 1/2$$

Sequence: A003724
Score: 15.7926
Type of gen. func.: lgdegf]

$$1/2 \exp(-x) + 1/2 \exp(x)$$

Sequence: A003725
Score: 10.4896
Type of gen. func.: lgdegf]

$$(-n - 3)\, a(n + 3) + n\, a(n + 2) + a(n + 1),\ a(0) = 1,\ a(1) = -2,\ a(2) = 3/2$$

Sequence: A003725
Score: 10.6124
Type of gen. func.: lgdegf]

$$-\exp(-x)\, x + \exp(-x)$$

Sequence: A003727
Score: 13.4905
Type of gen. func.: lgdegf]

$$1/2 \exp(x) + 1/2 \exp(x)\, x + 1/2 \exp(-x) - 1/2 \exp(-x)\, x$$

Sequence: A003727
Score: 8.42184
Type of gen. func.: lgdegf]

$$1/2 \exp(x) (1 + x) - 1/2 \exp(-x) (-1 + x)$$

Sequence: A003729
Score: 3.30978
Type of gen. func.: ogf

$$-(36029843 f(x) + 2094787) (f(x) x^4 - 19 f(x) x^3 + 41 f(x) x^2 + x^3 - 19 f(x) x - 18 x^2 + f(x) + 33 x - 11)$$

Sequence: A003729
Score: 6.38030
Type of gen. func.: ogf

$$- \frac{x^3 - 18 x^2 + 33 x - 11}{x^4 - 19 x^3 + 41 x^2 - 19 x + 1}$$

Sequence: A003730
Score: 3.61363
Type of gen. func.: ogf

$$(481663813 f(x) + 13419675) (3 f(x) x^4 - 22 f(x) x^3 - 4 f(x) x^2 + 3 x^3 + 9 f(x) x - 14 x^2 - f(x) + 2 x + 1)$$

Sequence: A003730
Score: 5.79491
Type of gen. func.: lgdogf

$$- \frac{9 x^6 - 84 x^5 + 338 x^4 - 130 x^3 + 61 x^2 - 36 x + 11}{(3 x^3 - 14 x^2 + 2 x + 1) (3 x^4 - 22 x^3 - 4 x^2 + 9 x - 1)}$$

Sequence: A003730
Score: 7.04429
Type of gen. func.: ogf

$$-\frac{3 x^3 - 14 x^2 + 2 x + 1}{3 x^4 - 22 x^3 - 4 x^2 + 9 x - 1}$$

Sequence: A003731
Score: 11.0541
Type of gen. func.: ogf

$$\frac{2 x^3 - 4 x^2 + x - 1}{2 x^3 - 4 x^2 + 6 x - 1}$$

Sequence: A003731
Score: 13.6367
Type of gen. func.: lgdogf

$$\frac{5 (4 x^3 - 4 x^2 + 1)}{(2 x^3 - 4 x^2 + x - 1) (2 x^3 - 4 x^2 + 6 x - 1)}$$

Sequence: A003731
Score: 5.64987
Type of gen. func.: ogf

{a(n + 4) - 6 a(n + 3) + 4 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 5, a(2) = 30,

a(3) = 160}

Sequence: A003731
Score: 6.35611
Type of gen. func.: ogf

$$(7 f(x) + 13) (2 f(x) x^3 - 4 f(x) x^2 - 2 x^3 + 6 f(x) x + 4 x^2 - f(x) - x + 1)$$

Sequence: A003731

Score: 7.78298
Type of gen. func.: lgdogf

$$-\frac{20 x^3 - 20 x^2 + 5}{-4 x^6 + 16 x^5 - 30 x^4 + 32 x^3 - 14 x^2 + 7 x - 1}$$

Sequence: A003735
Score: 4.09207
Type of gen. func.: ogf

$$-(24805652224 f(x) + 583383525) (f(x) x^4 - 44 f(x) x^3 + 102 f(x) x^2 + x^3 - 44 f(x) x - 43 x^2 + f(x) + 87 x - 29)$$

Sequence: A003735
Score: 8.08673
Type of gen. func.: ogf

$$-\frac{x^3 - 43 x^2 + 87 x - 29}{x^4 - 44 x^3 + 102 x^2 - 44 x + 1}$$

Sequence: A003736
Score: 5.80298
Type of gen. func.: ogf

$$-\frac{4 (-1 + x) (6 x^4 - 266 x^3 + 9 x^2 + 19 x + 1)}{24 x^6 - 1098 x^5 + 1354 x^4 + 285 x^3 - 149 x^2 - 21 x + 1}$$

Sequence: A003737
Score: 4.84283
Type of gen. func.: ogf

$$\frac{4 (2 x^2 - 3 x - 1) (8 x^5 - 40 x^4 + 22 x^3 + 10 x^2 - 7 x - 1)}{16 x^7 - 32 x^6 - 188 x^5 + 120 x^4 + 80 x^3 - 50 x^2 - 13 x + 1}$$

Sequence: A003738
Score: 6.89825
Type of gen. func.: ogf

$$- \frac{8 (6720743 x^4 + 216352 x^3 + 5243 x^2 - 60 x - 3)}{56832 x^4 + 3328 x^3 + 128 x^2 - 60 x + 1}$$

Sequence: A003741
Score: 5.83353
Type of gen. func.: ogf

$$- \frac{x^5 - 64 x^4 + 523 x^3 - 850 x^2 + 403 x - 40}{x^6 - 65 x^5 + 548 x^4 - 995 x^3 + 548 x^2 - 65 x + 1}$$

Sequence: A003742
Score: 4.73823
Type of gen. func.: ogf

$$- \frac{3 (135 x^5 - 2388 x^4 + 1853 x^3 - 54 x^2 - 57 x - 2)}{405 x^6 - 7239 x^5 + 6539 x^4 + 707 x^3 - 396 x^2 - 26 x + 1}$$

Sequence: A003743
Score: 5.20196
Type of gen. func.: ogf

$$\frac{6 (256 x^5 - 504 x^4 + 234 x^3 - 12 x^2 - 18 x - 1)}{256 x^5 + 432 x^4 - 460 x^3 + 136 x^2 + 16 x - 1}$$

Sequence: A003747
Score: 10.3322
Type of gen. func.: ogf

$$- \frac{x^2 - 75 x + 56}{}$$

$$(-1 + x) (x^2 - 75 x + 1)$$

Sequence: A003747
Score: 4.90216
Type of gen. func.: ogf

$$-(21046083551 f(x) + 276185465)$$

$$(f(x) x^3 - 76 f(x) x^2 + 76 f(x) x + x^2 - f(x) - 75 x + 56)$$

Sequence: A003747
Score: 5.46013
Type of gen. func.: ogf

$$\{-a(n + 3) + 76 a(n + 2) - 76 a(n + 1) + a(n), a(0) = 56, a(1) = 4181,$$

$$a(2) = 313501\}$$

Sequence: A003747
Score: 5.64366
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 150 x^3 - 5792 x^2 + 8510 x - 4181}{-x^5 + 151 x^4 - 5832 x^3 + 9957 x^2 - 4331 x + 56}$$

Sequence: A003748
Score: 4.68921
Type of gen. func.: ogf

$$(235489347867448 f(x) + 131149068747457)$$

$$(436 f(x) x^3 - 288 f(x) x^2 - 47 f(x) x + 436 x^2 + f(x) - 250 x - 12)$$

Sequence: A003748
Score: 5.63462
Type of gen. func.: ogf

$$\{-a(n + 3) + 47 a(n + 2) + 288 a(n + 1) - 436 a(n), a(0) = 12, a(1) = 814,$$

$$a(2) = 41278\}$$

Sequence: A003748
Score: 7.90347
Type of gen. func.: lgdogf

$$-\frac{95048 x^4 - 109000 x^3 + 38398 x^2 + 3020 x + 407}{(436 x^3 - 288 x^2 - 47 x + 1) (218 x^2 - 125 x - 6)}$$

Sequence: A003748
Score: 9.84075
Type of gen. func.: ogf

$$-\frac{2 (218 x^2 - 125 x - 6)}{436 x^3 - 288 x^2 - 47 x + 1}$$

Sequence: A003749
Score: 11.6145
Type of gen. func.: lgdogf

$$\frac{40 (12 x^2 + 1)}{(12 x^2 - 12 x - 1) (12 x^2 + 28 x - 1)}$$

Sequence: A003749
Score: 4.80618
Type of gen. func.: ogf

$$\{a(n + 3) - 28 a(n + 2) - 12 a(n + 1), a(0) = 12, a(1) = 480, a(2) = 13440\}$$

Sequence: A003749
Score: 6.83956
Type of gen. func.: lgdogf

$$-\frac{480 x^2 + 40}{-144 x^4 - 192 x^3 + 360 x^2 + 16 x - 1}$$

Sequence: A003749
Score: 6.83956
Type of gen. func.: ogf

$$-12 f(x) x^2 - 28 f(x) x + 144 x^2 + f(x) - 144 x - 12$$

Sequence: A003749
Score: 8.89143
Type of gen. func.: ogf

$$\frac{12 (12 x^2 - 12 x - 1)}{12 x^2 + 28 x - 1}$$

Sequence: A003751
Score: 4.81702
Type of gen. func.: ogf

$$-\frac{125 (1 + x) (x^2 + 145 x + 1)}{(-1 + x) (x^2 - 47 x + 1) (x^2 - 2207 x + 1)}$$

Sequence: A003752
Score: 4.91179
Type of gen. func.: ogf

$$-\frac{4 (2 x^7 + 4 x^6 - 37 x^5 + 21 x^4 + 30 x^3 - 16 x^2 + 7 x + 1)}{(1 + x) (2 x^2 + 4 x - 1) (x^2 - 4 x + 1)}$$

Sequence: A003753
Score: 5.60614
Type of gen. func.: ogf

$$\frac{4 (x^4 + 6 x^3 - 30 x^2 + 6 x + 1)}{{}^{2} \qquad\qquad {}^{4} \qquad {}^{3} \qquad {}^{2}}$$

$$(x - 6 x + 1) (x - 84 x + 230 x - 84 x + 1)$$

Sequence: A003755
Score: 6.38760
Type of gen. func.: ogf

$$\frac{x^4 + 6 x^3 - 16 x^2 + 6 x + 1}{(x^2 - 6 x + 1) (x^4 - 42 x^3 + 83 x^2 - 42 x + 1)}$$

Sequence: A003756
Score: 10.4876
Type of gen. func.: ogf

$$-\frac{2 x^3 + 8 x^2 - 2 x + 1}{4 x^3 + 16 x^2 + 2 x - 1}$$

Sequence: A003756
Score: 12.2813
Type of gen. func.: lgdogf

$$\frac{6 x (4 x^2 + 5 x - 8)}{(4 x^3 + 16 x^2 + 2 x - 1) (2 x^3 + 8 x^2 - 2 x + 1)}$$

Sequence: A003756
Score: 5.47858
Type of gen. func.: ogf

$\{-a(n + 4) + 2 a(n + 3) + 16 a(n + 2) + 4 a(n + 1), a(0) = 1, a(1) = 0,$

$a(2) = 24, a(3) = 54\}$

Sequence: A003756
Score: 5.73539
Type of gen. func.: ogf

$(13285 + 19483 f(x))$

$$(4 f(x) x^{3} + 16 f(x) x^{2} + 2 x^{3} + 2 f(x) x + 8 x^{2} - f(x) - 2 x + 1)$$

Sequence: A003756
Score: 7.41545
Type of gen. func.: lgdogf

$$-\frac{-24 x^{3} - 30 x^{2} + 48 x}{8 x^{6} + 64 x^{5} + 124 x^{4} - 14 x^{3} + 4 x^{2} + 4 x - 1}$$

Sequence: A003757
Score: 5.03459
Type of gen. func.: ogf

$$(21 f(x) - 31) (f(x) x^{4} - f(x) x^{3} - 6 f(x) x^{2} + x^{3} - f(x) x + f(x) - x)$$

Sequence: A003757
Score: 9.83602
Type of gen. func.: lgdogf

$$-\frac{2 x^{5} - x^{4} - 4 x^{3} + 4 x^{2} + 10 x + 1}{(-1 + x) (1 + x) (x^{4} - x^{3} - 6 x^{2} - x + 1)}$$

Sequence: A003757
Score: 9.83682
Type of gen. func.: ogf

$$-\frac{x (-1 + x) (1 + x)}{x^{4} - x^{3} - 6 x^{2} - x + 1}$$

Sequence: A003758
Score: 5.88924
Type of gen. func.: lgdogf

$$-\frac{2 x^{7} - 9 x^{6} + 4 x^{5} + 30 x^{4} - 30 x^{3} - 36 x^{2} + 50 x + 7}{}$$

$$(-1 + x) (x^{2} - x - 3) (x^{5} - 3 x^{4} - 3 x^{3} + 9 x^{2} + 3 x - 1)$$

Sequence: A003758
Score: 6.39046
Type of gen. func.: ogf

$$-\frac{x (-1 + x) (x^{2} - x - 3)}{x^{5} - 3 x^{4} - 3 x^{3} + 9 x^{2} + 3 x - 1}$$

Sequence: A003759
Score: 11.2731
Type of gen. func.: ogf

$$-\frac{2 x}{x^{4} - 2 x^{3} + 3 x^{2} + 3 x - 1}$$

Sequence: A003759
Score: 13.3623
Type of gen. func.: lgdogf

$$-\frac{4 x^{3} - 6 x^{2} + 6 x + 3}{x^{4} - 2 x^{3} + 3 x^{2} + 3 x - 1}$$

Sequence: A003759
Score: 4.9378
Type of gen. func.: ogf

$$-(3 f(x) + 2) (f(x) x^{4} - 2 f(x) x^{3} + 3 f(x) x^{2} + 3 f(x) x - f(x) + 2 x)$$

Sequence: A003759
Score: 7.46841
Type of gen. func.: lgdogf

$$-\frac{-4 x^{3} + 6 x^{2} - 6 x - 3}{}$$

$$-x^4 + 2x^3 - 3x^2 - 3x + 1$$

Sequence: A003764
Score: 5.53198
Type of gen. func.: ogf

$$-\frac{16x^4 - 16x^3 - 9x^2 + 7x + 1}{16x^5 - 16x^4 - 29x^3 + 16x^2 + 6x - 1}$$

Sequence: A003765
Score: 4.95448
Type of gen. func.: ogf

$$-\frac{4x^5 - 12x^4 + 3x^3 + 7x^2 - 5x - 1}{4x^5 - 20x^4 + 19x^3 - 3x^2 - 5x + 1}$$

Sequence: A003769
Score: 11.4111
Type of gen. func.: ogf

$$-\frac{x^2 - 4x - 3}{(1 + x)(x^2 - 5x + 1)}$$

Sequence: A003769
Score: 5.61355
Type of gen. func.: ogf

$$-(125577 f(x) + 23872)(f(x) x^3 - 4 f(x) x^2 - 4 f(x) x + x^2 + f(x) - 4x - 3)$$

Sequence: A003769
Score: 6.10596
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 3, a(1) = 16, a(2) = 75\}$$

Sequence: A003769
Score: 6.96079
Type of gen. func.: lgdogf

$$- \frac{-x^4 + 8 x^3 - 11 x^2 - 22 x - 16}{-x^5 + 8 x^4 - 9 x^3 - 29 x^2 - 8 x + 3}$$

Sequence: A003769
Score: 8.88208
Type of gen. func.: lgdogf

$$- \frac{x^4 - 8 x^3 + 11 x^2 + 22 x + 16}{(1 + x) (x^2 - 5 x + 1) (x^2 - 4 x - 3)}$$

Sequence: A003770
Score: 3.73497
Type of gen. func.: ogf

$$(19799 f(x) + 3963)$$
$$(12 f(x) x^3 - 8 f(x) x^2 - 11 f(x) x + 12 x^2 + f(x) - 9 x - 3)$$

Sequence: A003770
Score: 3.86267
Type of gen. func.: ogf

$$\{a(n + 3) - 11 a(n + 2) - 8 a(n + 1) + 12 a(n), a(0) = 3, a(1) = 42, a(2) = 474\}$$

Sequence: A003770
Score: 6.48297
Type of gen. func.: lgdogf

$$- \frac{2 (24 x^4 - 36 x^3 + 16 x^2 + 4 x + 7)}{(-1 + x) (1 + 4 x) (12 x^3 - 8 x^2 - 11 x + 1)}$$

Sequence: A003770
Score: 7.06144
Type of gen. func.: ogf

$$-\frac{3\ (1 + 4\ x)\ (-1 + x)}{12\ x^3 - 8\ x^2 - 11\ x + 1}$$

Sequence: A003771
Score: 10.2778
Type of gen. func.: ogf

$$-\frac{3\ (2\ x^2 - 3\ x - 1)}{2\ x^2 - 7\ x + 1}$$

Sequence: A003771
Score: 12.1124
Type of gen. func.: lgdogf

$$-\frac{2\ (4\ x^2 - 4\ x + 5)}{(2\ x^2 - 3\ x - 1)\ (2\ x^2 - 7\ x + 1)}$$

Sequence: A003771
Score: 5.18782
Type of gen. func.: ogf

$$\{a(n + 3) - 7\ a(n + 2) + 2\ a(n + 1),\ a(0) = 3,\ a(1) = 30,\ a(2) = 198\}$$

Sequence: A003771
Score: 5.50223
Type of gen. func.: ogf

$$-(31\ f(x) + 57)\ (2\ f(x)\ x^2 - 7\ f(x)\ x + 6\ x^2 + f(x) - 9\ x - 3)$$

Sequence: A003771
Score: 7.26295
Type of gen. func.: lgdogf

$$-\frac{8x^2-8x+10}{4x^4-20x^3+21x^2+4x-1}$$

Sequence: A003772
Score: 4.55946
Type of gen. func.: ogf

$$\frac{12(24x^6-164x^5+398x^4-275x^3+55x^2-11x-1)}{(6x^2+9x-1)(2x^2-7x+1)^2}$$

Sequence: A003773
Score: 5.83954
Type of gen. func.: ogf

$$\frac{16(x^2+12x+1)}{(x^2-6x+1)(x^2-198x+1)}$$

Sequence: A003774
Score: 5.32464
Type of gen. func.: ogf

$$-\frac{4(24x^6+48x^5+12x^3+20x^2+1)}{48x^3+4x^2+12x-1}$$

Sequence: A003775
Score: 4.91713
Type of gen. func.: ogf

$(7866 f(x) + 179)\ ($

$$f(x)x^4-15f(x)x^3+32f(x)x^2+x^3-15f(x)x-7x^2+f(x)+7x-1)$$

Sequence: A003775
Score: 7.87641
Type of gen. func.: lgdogf

$$-\frac{x^6 - 14 x^5 + 94 x^4 - 184 x^3 + 161 x^2 - 50 x + 8}{(-1 + x) (x^2 - 6 x + 1) (x^4 - 15 x^3 + 32 x^2 - 15 x + 1)}$$

Sequence: A003775
Score: 8.91230
Type of gen. func.: ogf

$$-\frac{(-1 + x) (x^2 - 6 x + 1)}{x^4 - 15 x^3 + 32 x^2 - 15 x + 1}$$

Sequence: A003776
Score: 3.23497
Type of gen. func.: ogf

$(80127 f(x) + 28459)$

$(26 f(x) x^3 - 57 f(x) x^2 + 24 f(x) x + 15 x^2 - f(x) - 18 x + 3)$

Sequence: A003776
Score: 3.37090
Type of gen. func.: ogf

$\{-a(n + 3) + 24 a(n + 2) - 57 a(n + 1) + 26 a(n), a(0) = 3, a(1) = 54,$

$a(2) = 1140\}$

Sequence: A003776
Score: 5.27812
Type of gen. func.: lgdogf

$$-\frac{2 (65 x^4 - 156 x^3 + 150 x^2 - 52 x + 9)}{(-1 + x) (2 x - 1) (5 x - 1) (13 x^2 - 22 x + 1)}$$

Sequence: A003776
Score: 6.07783
Type of gen. func.: ogf

$$- \frac{3 (5 x - 1) (-1 + x)}{(2 x - 1) (13 x^2 - 22 x + 1)}$$

Sequence: A003777
Score: 10.6791
Type of gen. func.: ogf

$$\frac{x^3 - 3 x^2 + 7 x + 1}{(-1 + x)^4}$$

Sequence: A003777
Score: 17.9408
Type of gen. func.: lgdogf

$$- \frac{x^3 - 3 x^2 + 15 x + 11}{(-1 + x) (x^3 - 3 x^2 + 7 x + 1)}$$

Sequence: A003777
Score: 4.19534
Type of gen. func.: ogf

$$\{(49 n^2 + 339 n + 482) a(n + 1) + (-218 n^2 - 1580 n - 2684) a(n + 2)$$

$$+ (169 n^2 + 881 n + 1122) a(n + 3), a(0) = 1, a(1) = 11, a(2) = 35\}$$

Sequence: A003777
Score: 5.71033
Type of gen. func.: ogf

$(7479 f(x) + 20042)$

$$(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - x^3 - 4\,f(x)\,x + 3\,x^2 + f(x) - 7\,x - 1)$$

Sequence: A003777
Score: 9.90707
Type of gen. func.: lgdogf

$$-\frac{-x^3 + 3\,x^2 - 15\,x - 11}{-x^4 + 4\,x^3 - 10\,x^2 + 6\,x + 1}$$

Sequence: A003784
Score: 9.64516
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-19\,x^3 - 2\,x^2 - x - 2}{x^4 - 1}$$

Sequence: A003815
Score: 8.21982
Type of gen. func.: ogf

$$\frac{x\,(x^3 - x^2 + 3\,x + 1)}{(x^2 + 1)\,(-1 + x)^2\,(1 + x)^2}$$

Sequence: A003815
Score: 9.61111
Type of gen. func.: lgdogf

$$-\frac{3\,x^6 - 4\,x^5 + 17\,x^4 + 4\,x^3 + 9\,x^2 + 3}{(-1 + x)\,(1 + x)\,(x^2 + 1)\,(x^3 - x^2 + 3\,x + 1)}$$

Sequence: A003816
Score: 10.0491
Type of gen. func.: lgdogf

$$-\frac{3x^6+12x^5-3x^4+12x^3+x^2+8x-1}{(-1+x)(1+x)(x^2+1)(x^3+3x^2-x+1)}$$

Sequence: A003816
Score: 8.27462
Type of gen. func.: ogf

$$\frac{x(x^3+3x^2-x+1)}{(x^2+1)(-1+x)^2(1+x)^2}$$

Sequence: A003823
Score: 14.4107
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^2+1}{-x^4-x^3-x^2-x-1}$$

Sequence: A003878
Score: 6.17125
Type of gen. func.: ogf

$$-\frac{3x^4-21x^3+43x^2-2x+1}{(-1+x)^5}$$

Sequence: A003878
Score: 9.14072
Type of gen. func.: lgdogf

$$-\frac{3(x^4-10x^3+22x^2+26x+1)}{(-1+x)(3x^4-21x^3+43x^2-2x+1)}$$

Sequence: A003884
Score: 3.00321
Type of gen. func.: ogf

$$(f(x)\,x - f(x) + 14\,x + 1)^{2}$$

Sequence: A003945
Score: 11.2158
Type of gen. func.: ogf

$$\{a(n + 2) - 2\,a(n + 1),\ a(0) = 1,\ a(1) = 3\}$$

Sequence: A003945
Score: 17.9453
Type of gen. func.: ogf

$$-2\,f(x)\,x + f(x) - x - 1$$

Sequence: A003945
Score: 21.8253
Type of gen. func.: ogf

$$-\frac{1 + x}{2\,x - 1}$$

Sequence: A003945
Score: 22.4316
Type of gen. func.: lgdogf

$$-\frac{3}{2\,x^{2} + x - 1}$$

Sequence: A003945
Score: 26.4477
Type of gen. func.: revogf

$$-1/2 - x + \frac{(4\,x^{2} + 8\,x + 1)^{1/2}}{2}$$

Sequence: A003945
Score: 46.6724
Type of gen. func.: lgdogf

$$-\frac{3}{(1+x)(2x-1)}$$

Sequence: A003946
Score: 14.5528
Type of gen. func.: ogf

$$-3 f(x) x + f(x) - x - 1$$

Sequence: A003946
Score: 17.6994
Type of gen. func.: ogf

$$-\frac{1+x}{3x-1}$$

Sequence: A003946
Score: 17.8290
Type of gen. func.: revogf

$$-1/2 - \frac{3x}{2} + \frac{((1+x)(9x+1))^{1/2}}{2}$$

Sequence: A003946
Score: 18.1911
Type of gen. func.: lgdogf

$$-\frac{4}{3x^2+2x-1}$$

Sequence: A003946
Score: 40.1154

Type of gen. func.: lgdogf

$$-\frac{4}{(1 + x) (3 x - 1)}$$

Sequence: A003946
Score: 9.09553
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 4\}$$

Sequence: A003947
Score: 15.9513
Type of gen. func.: ogf

$$-4 f(x) x + f(x) - x - 1$$

Sequence: A003947
Score: 19.4003
Type of gen. func.: ogf

$$-\frac{1 + x}{-1 + 4 x}$$

Sequence: A003947
Score: 19.9392
Type of gen. func.: lgdogf

$$-\frac{5}{4 x^2 + 3 x - 1}$$

Sequence: A003947
Score: 20.7334
Type of gen. func.: revogf

$$- 1/2 - 2 x + \frac{(16 x^2 + 12 x + 1)^{1/2}}{2}$$

Sequence: A003947
Score: 41.4667
Type of gen. func.: lgdogf

$$-\frac{5}{(1 + x)\ (-1 + 4\ x)}$$

Sequence: A003947
Score: 9.96958
Type of gen. func.: ogf

$$\{a(n + 2) - 4\ a(n + 1),\ a(0) = 1,\ a(1) = 5\}$$

Sequence: A003948
Score: 10.3287
Type of gen. func.: ogf

$$\{a(n + 2) - 5\ a(n + 1),\ a(0) = 1,\ a(1) = 6\}$$

Sequence: A003948
Score: 16.5259
Type of gen. func.: ogf

$$-5\ f(x)\ x + f(x) - x - 1$$

Sequence: A003948
Score: 20.0990
Type of gen. func.: ogf

$$-\frac{1 + x}{5\ x - 1}$$

Sequence: A003948
Score: 20.3042
Type of gen. func.: revogf

$$- 1/2 - \frac{5\ x}{2} + \frac{(25\ x^2 + 14\ x + 1)^{1/2}}{2}$$

Sequence: A003948
Score: 20.6573
Type of gen. func.: lgdogf

$$-\frac{6}{5x^2+4x-1}$$

Sequence: A003948
Score: 45.6845
Type of gen. func.: lgdogf

$$-\frac{6}{(1+x)(5x-1)}$$

Sequence: A003949
Score: 10.2774
Type of gen. func.: ogf

$$\{a(n+2)-6\,a(n+1),\ a(0)=1,\ a(1)=7\}$$

Sequence: A003949
Score: 16.4439
Type of gen. func.: ogf

$$-6\,f(x)\,x+f(x)-x-1$$

Sequence: A003949
Score: 19.9994
Type of gen. func.: ogf

$$-\frac{1+x}{6x-1}$$

Sequence: A003949
Score: 20.5549
Type of gen. func.: lgdogf

$$-\frac{7}{6 x^{2} + 5 x - 1}$$

Sequence: A003949
Score: 21.3951
Type of gen. func.: revogf

$$-3 x - 1/2 + \frac{(36 x^{2} + 16 x + 1)^{1/2}}{2}$$

Sequence: A003949
Score: 45.4646
Type of gen. func.: lgdogf

$$-\frac{7}{(1 + x) (6 x - 1)}$$

Sequence: A003950
Score: 15.936
Type of gen. func.: ogf

$$-7 f(x) x + f(x) - x - 1$$

Sequence: A003950
Score: 19.3816
Type of gen. func.: ogf

$$-\frac{1 + x}{7 x - 1}$$

Sequence: A003950
Score: 19.5766
Type of gen. func.: revogf

$$-1/2 - \frac{7 x}{2} + \frac{(49 x^{2} + 18 x + 1)^{1/2}}{2}$$

Sequence: A003950
Score: 19.9200
Type of gen. func.: lgdogf

$$-\frac{8}{7x^2+6x-1}$$

Sequence: A003950
Score: 44.0473
Type of gen. func.: lgdogf

$$-\frac{8}{(1+x)(7x-1)}$$

Sequence: A003950
Score: 9.96001
Type of gen. func.: ogf

$$\{a(n+2)-7a(n+1), a(0)=1, a(1)=8\}$$

Sequence: A003951
Score: 15.2226
Type of gen. func.: ogf

$$-8f(x)x+f(x)-x-1$$

Sequence: A003951
Score: 18.1848
Type of gen. func.: revogf

$$-4x-1/2+\frac{((1+4x)(16x+1))^{1/2}}{2}$$

Sequence: A003951
Score: 18.5140
Type of gen. func.: ogf

$$-\frac{1 + x}{8 x - 1}$$

Sequence: A003951
Score: 19.0282
Type of gen. func.: lgdogf

$$-\frac{9}{8 x^2 + 7 x - 1}$$

Sequence: A003951
Score: 39.5788
Type of gen. func.: lgdogf

$$-\frac{9}{(1 + x) (8 x - 1)}$$

Sequence: A003951
Score: 9.51412
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 9\}$$

Sequence: A003952
Score: 15.9668
Type of gen. func.: ogf

$$-9 f(x) x + f(x) - x - 1$$

Sequence: A003952
Score: 19.4191
Type of gen. func.: ogf

$$-\frac{1 + x}{9 x - 1}$$

Sequence: A003952
Score: 19.4191
Type of gen. func.: lgdogf

$$-\frac{10}{9 x^{2} + 8 x - 1}$$

Sequence: A003952
Score: 19.6202
Type of gen. func.: revogf

$$-\frac{9 x}{2} - 1/2 + \frac{(81 x^{2} + 22 x + 1)^{1/2}}{2}$$

Sequence: A003952
Score: 39.2405
Type of gen. func.: lgdogf

$$-\frac{10}{(1 + x) (9 x - 1)}$$

Sequence: A003952
Score: 9.84256
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 10\}$$

Sequence: A003953
Score: 10.6553
Type of gen. func.: ogf

$$-10 f(x) x + f(x) - x - 1$$

Sequence: A003953
Score: 12.8986
Type of gen. func.: ogf

$$-\frac{1 + x}{10 x - 1}$$

Sequence: A003953
Score: 12.8986
Type of gen. func.: lgdogf

$$-\frac{11}{10 x^{2} + 9 x - 1}$$

Sequence: A003953
Score: 13.6804
Type of gen. func.: revogf

$$-5 x - 1/2 + \frac{(100 x^{2} + 24 x + 1)^{1/2}}{2}$$

Sequence: A003953
Score: 26.6007
Type of gen. func.: lgdogf

$$-\frac{11}{(1 + x) (10 x - 1)}$$

Sequence: A003953
Score: 6.62358
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 11\}$$

Sequence: A003954
Score: 10.6553
Type of gen. func.: ogf

$$-11 f(x) x + f(x) - x - 1$$

Sequence: A003954
Score: 12.5678
Type of gen. func.: lgdogf

$$-\frac{12}{11 x^{2} + 10 x - 1}$$

Sequence: A003954
Score: 12.6003
Type of gen. func.: revogf

$$-1/2 - \frac{11 x}{2} + \frac{(121 x^{2} + 26 x + 1)^{1/2}}{2}$$

Sequence: A003954
Score: 12.8986
Type of gen. func.: ogf

$$-\frac{1 + x}{11 x - 1}$$

Sequence: A003954
Score: 26.6007
Type of gen. func.: lgdogf

$$-\frac{12}{(1 + x) (11 x - 1)}$$

Sequence: A003954
Score: 6.62358
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1), a(0) = 1, a(1) = 12\}$$

Sequence: A003982
Score: 18.4174
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^{3}}{{}^{4}}$$

$$x + 1$$

Sequence: A003993
Score: 10.4122
Type of gen. func.: ogf

$$-\frac{2 (1 + x)}{(3 x - 1) (-1 + x)^2}$$

Sequence: A003993
Score: 14.1922
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^2 + 4 x - 3)}{(-1 + x) (3 x - 1) (1 + x)}$$

Sequence: A003993
Score: 4.84075
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 7 a(n + 1) - 3 a(n), a(0) = 2, a(1) = 12, a(2) = 46\}$$

Sequence: A003993
Score: 7.01499
Type of gen. func.: ogf

$$(5834 f(x) - 8529) (3 f(x) x^3 - 7 f(x) x^2 + 5 f(x) x - f(x) + 2 x + 2)$$

Sequence: A003993
Score: 8.62259
Type of gen. func.: lgdogf

$$-\frac{6 x^2 + 8 x - 6}{3 x^3 - x^2 - 3 x + 1}$$

Sequence: A003994
Score: 4.75455
Type of gen. func.: ogf

$$-\frac{2\,(3\,x^4-8\,x^3-54\,x^2+24\,x+3)}{(x^2-6\,x+1)\,(3\,x-1)^2\,(-1+x)^3}$$

Sequence: A004004
Score: 10.9421
Type of gen. func.: lgdogf

$$-\frac{2\,(9\,x+7)\,(3\,x-1)}{(-1+x)\,(3\,x+1)\,(9\,x-1)}$$

Sequence: A004004
Score: 3.86975
Type of gen. func.: ogf

$$-(55408\,f(x)-12261)\,(9\,f(x)\,x^3-19\,f(x)\,x^2+11\,f(x)\,x+3\,x^2-f(x)+x)$$

Sequence: A004004
Score: 4.10737
Type of gen. func.: ogf

$$\{a(n+3)-11\,a(n+2)+19\,a(n+1)-9\,a(n),\ a(0)=0,\ a(1)=1,\ a(2)=14\}$$

Sequence: A004004
Score: 6.78609
Type of gen. func.: lgdogf

$$-\frac{54\,x^2+24\,x-14}{27\,x^3-21\,x^2-7\,x+1}$$

Sequence: A004004
Score: 7.93627
Type of gen. func.: ogf

$$- \frac{x (3 x + 1)}{(9 x - 1) (-1 + x)^2}$$

Sequence: A004005
Score: 4.54565
Type of gen. func.: ogf

$$- \frac{405 x^3 + 69 x^2 - 89 x - 1}{(25 x - 1) (9 x - 1)^2 (-1 + x)^3}$$

Sequence: A004006
Score: 10.8041
Type of gen. func.: ogf

$$\frac{x (x^2 - x + 1)}{(-1 + x)^4}$$

Sequence: A004006
Score: 12.3234
Type of gen. func.: lgdogf

$$- \frac{-2 x^2 + x - 3}{-x^3 + 2 x^2 - 2 x + 1}$$

Sequence: A004006
Score: 23.7628
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^2 + x + 3$$

Sequence: A004006
Score: 26.8005
Type of gen. func.: lgdogf

$$-\frac{2 x^2 - x + 3}{(-1 + x) (x^2 - x + 1)}$$

Sequence: A004006
Score: 4.04462
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-7 - 2 n) a(n + 3) + (3 + 2 n) a(n + 2) + (-2 - n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 7\}$$

Sequence: A004006
Score: 5.75694
Type of gen. func.: ogf

$$-(5 f(x) + 1) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x + x^2 + f(x) - x)$$

Sequence: A004017
Score: 29.5106
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{8}{-x - 1}$$

Sequence: A004018
Score: 11.7270
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^2 - 2 x + 4}{-x^3 - x^2 - x - 1}$$

Sequence: A004020
Score: 32.8139
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2}{\quad}$$

$$-x - 1$$

Sequence: A004024
Score: 15.2628
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3 x^2 - 2 x - 1}{x^3 + x^2 + x + 1}$$

Sequence: A004025
Score: 5.16223
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3 x^6 - x^5 - 4 x^4 - 2 x^3 - x^2 + x - 2}{x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}$$

Sequence: A004040
Score: 4.94608
Type of gen. func.: ogf

$$f(x)^2 x^4 + 3 f(x)^2 x^3 + 3 f(x)^2 x^2 + 2 f(x) x^3 + f(x)^2 x + 14 f(x) x^2 - 14 f(x) x + x^2 + f(x) + 11 x - 1$$

Sequence: A004041
Score: 3.88023
Type of gen. func.: ogf

$$\{(-4 n^2 - 20 n - 25) a(n + 1) + (4 n + 12) a(n + 2) - a(n + 3),\ a(0) = 1,\ a(1) = 4,\ a(2) = 23\}$$

Sequence: A004052
Score: 2.79599
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)$$

Sequence: A004054
Score: 10.4509
Type of gen. func.: lgdogf

$$-\frac{12 x^3 - 17 x^2 - 2 x + 3}{(-1 + x) (3 x - 1) (2 x - 1) (1 + x)}$$

Sequence: A004054
Score: 10.4936
Type of gen. func.: ogf

$$-\frac{-1 + x}{(3 x - 1) (2 x - 1) (1 + x)}$$

Sequence: A004054
Score: 4.92176
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - a(n + 1) - 6 a(n), a(0) = 1, a(1) = 3, a(2) = 11\}$$

Sequence: A004054
Score: 5.34769
Type of gen. func.: ogf

$$(f(x) - 57) (6 f(x) x^3 + f(x) x^2 - 4 f(x) x + f(x) + x - 1)$$

Sequence: A004054
Score: 6.78243
Type of gen. func.: lgdogf

$$-\frac{12 x^3 - 17 x^2 - 2 x + 3}{6 x^4 - 5 x^3 - 5 x^2 + 5 x - 1}$$

Sequence: A004057
Score: 4.33669
Type of gen. func.: ogf

$$-(9827 f(x) + 14472)$$

$$(24 f(x) x^4 - 2 f(x) x^3 - 17 f(x) x^2 + 8 f(x) x - f(x) - x + 1)$$

Sequence: A004057
Score: 8.01058
Type of gen. func.: lgdogf

$$-\frac{72 x^4 - 100 x^3 - 11 x^2 + 34 x - 7}{(-1 + x) (-1 + 4 x) (3 x - 1) (2 x - 1) (1 + x)}$$

Sequence: A004057
Score: 9.22406
Type of gen. func.: ogf

$$\frac{-1 + x}{(-1 + 4 x) (3 x - 1) (2 x - 1) (1 + x)}$$

Sequence: A004058
Score: 5.64922
Type of gen. func.: lgdogf

$$-\frac{6 (80 x^5 - 117 x^4 - 5 x^3 + 51 x^2 - 19 x + 2)}{(-1 + x) (-1 + 4 x) (3 x - 1) (2 x - 1) (5 x - 1) (1 + x)}$$

Sequence: A004058
Score: 6.63480
Type of gen. func.: ogf

$$-\frac{-1 + x}{(-1 + 4 x) (3 x - 1) (2 x - 1) (5 x - 1) (1 + x)}$$

Sequence: A004068
Score: 10.1065
Type of gen. func.: ogf

$$\frac{x\,(x^2 + 3\,x + 1)}{(-1 + x)^4}$$

Sequence: A004068
Score: 11.3504
Type of gen. func.: lgdogf

$$-\frac{2\,x^2 + 11\,x + 7}{x^3 + 2\,x^2 - 2\,x - 1}$$

Sequence: A004068
Score: 21.3738
Type of gen. func.: lgdogf

$$-\frac{2\,x^2 + 11\,x + 7}{(-1 + x)\,(x^2 + 3\,x + 1)}$$

Sequence: A004068
Score: 3.74506
Type of gen. func.: ogf

$$\{(n + 3)\,a(n + 4) + (-3 + 2\,n)\,a(n + 3) + (-13 - 2\,n)\,a(n + 2)$$
$$+ (-2 - n)\,a(n + 1),\ a(0) = 0,\ a(1) = 1,\ a(2) = 7,\ a(3) = 23\}$$

Sequence: A004068
Score: 5.30774
Type of gen. func.: ogf

$$-(15\,f(x) + 19)$$
$$(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - x^3 - 4\,f(x)\,x - 3\,x^2 + f(x) - x)$$

Sequence: A004082
Score: 6.28626

Type of gen. func.: ogf

$$\frac{x^{8} + 5 x^{7} + 6 x^{6} + 6 x^{5} + 7 x^{4} + 6 x^{3} + 6 x^{2} + 6 x + 1}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (-1 + x)^{2}}$$

Sequence: A004083
Score: 8.17337
Type of gen. func.: ogf

$$\frac{x^{7} + 6 x^{6} + 7 x^{5} + 6 x^{4} + 6 x^{3} + 7 x^{2} + 6 x + 5}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (-1 + x)^{2}}$$

Sequence: A004084
Score: 6.73369
Type of gen. func.: ogf

$$\frac{(1 + x) (x^{7} + x^{6} + 2 x^{5} + x^{4} + 2 x^{3} + x^{2} + 2 x + 1)}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (-1 + x)^{2}}$$

Sequence: A004112
Score: 10.6492
Type of gen. func.: ogf

$$\frac{x (22 x^{6} + 330 x^{5} + 2 x^{2} + 1)}{(-1 + x)^{2}}$$

Sequence: A004112
Score: 10.9693
Type of gen. func.: lgdogf

$$\frac{2 (44 x^{6} + 429 x^{5} - 825 x^{4} - 2 x - 1)}{(-1 + x) (22 x^{6} + 330 x^{5} + 2 x^{2} + 1)}$$

Sequence: A004116
Score: 12.1206
Type of gen. func.: lgdogf

$$-\frac{x^4 + 2 x^3 - 6 x - 3}{(-1 + x) (1 + x) (x^3 - x - 1)}$$

Sequence: A004116
Score: 4.43916
Type of gen. func.: ogf

$$-(16 f(x) - 205) (f(x) x^4 - 2 f(x) x^3 - x^3 + 2 f(x) x - f(x) + x + 1)$$

Sequence: A004116
Score: 8.58723
Type of gen. func.: ogf

$$\frac{x^3 - x - 1}{(1 + x) (-1 + x)^3}$$

Sequence: A004119
Score: 10.9126
Type of gen. func.: lgdogf

$$-\frac{-7 x^2 + 10 x - 4}{-6 x^4 + 11 x^3 - 4 x^2 - 2 x + 1}$$

Sequence: A004119
Score: 15.2365
Type of gen. func.: ogf

$$-\frac{3 x^2 - x - 1}{(2 x - 1) (-1 + x)}$$

Sequence: A004119
Score: 18.4519
Type of gen. func.: lgdogf

$$-\frac{7 x^{2} - 10 x + 4}{(-1 + x) (2 x - 1) (3 x^{2} - x - 1)}$$

Sequence: A004119
Score: 7.91702
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = 4, a(2) = 7\}$$

Sequence: A004119
Score: 8.32512
Type of gen. func.: ogf

$$-(f(x) + 7) (2 f(x) x^{2} - 3 f(x) x + 3 x^{2} + f(x) - x - 1)$$

Sequence: A004120
Score: 10.9208
Type of gen. func.: ogf

$$\frac{x^{5} - x - 1}{(-1 + x)^{3}}$$

Sequence: A004120
Score: 15.4985
Type of gen. func.: lgdogf

$$\frac{(2 x^{2} - x - 2) (x^{3} - 2 x^{2} - 2)}{(-1 + x) (x^{5} - x - 1)}$$

Sequence: A004120

Score: 8.76534
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 5 x^4 + 2 x + 4}{-x^6 + x^5 + x^2 - 1}$$

Sequence: A004126
Score: 11.1034
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 17 x + 9}{x^3 + 4 x^2 - 4 x - 1}$$

Sequence: A004126
Score: 20.9038
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 17 x + 9}{(-1 + x) (x^2 + 5 x + 1)}$$

Sequence: A004126
Score: 5.15515
Type of gen. func.: ogf

$$-(91 f(x) + 185)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 5 x^2 + f(x) - x)$$

Sequence: A004126
Score: 9.88659
Type of gen. func.: ogf

$$\frac{x (x^2 + 5 x + 1)}{(-1 + x)^4}$$

Sequence: A004138
Score: 11.8284
Type of gen. func.: ogf

$$-\frac{2 x^4 - 4 x^3 + x^2 - 1}{(-1 + x) (2 x^4 - x^3 + x^2 + x - 1)}$$

Sequence: A004142
Score: 11.9285
Type of gen. func.: lgdogf

$$-\frac{2 (36 x^3 - 18 x + 5)}{(3 x - 1) (2 x - 1) (6 x^2 - 1)}$$

Sequence: A004142
Score: 4.13421
Type of gen. func.: ogf

$$(358 f(x) - 34567)$$

$$(36 f(x) x^4 - 60 f(x) x^3 + 37 f(x) x^2 + 6 x^3 - 10 f(x) x + f(x) - x)$$

Sequence: A004142
Score: 8.08865
Type of gen. func.: lgdogf

$$-\frac{72 x^3 - 36 x + 10}{36 x^4 - 30 x^3 + 5 x - 1}$$

Sequence: A004142
Score: 8.08865
Type of gen. func.: ogf

$$-\frac{x (6 x^2 - 1)}{(3 x - 1)^2 (2 x - 1)^2}$$

Sequence: A004146
Score: 10.9861
Type of gen. func.: ogf

$$-\frac{(1 + x)\, x}{(-1 + x)\,(x^2 - 3\, x + 1)}$$

Sequence: A004146
Score: 14.3331
Type of gen. func.: lgdogf

$$-\frac{2\, x^3 - x^2 - 8\, x + 5}{(-1 + x)\,(1 + x)\,(x^2 - 3\, x + 1)}$$

Sequence: A004146
Score: 5.64153
Type of gen. func.: ogf

$$\{a(n + 3) - 4\, a(n + 2) + 4\, a(n + 1) - a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 5\}$$

Sequence: A004146
Score: 5.85242
Type of gen. func.: ogf

$$(5\, f(x) + 1)\,(f(x)\, x^3 - 4\, f(x)\, x^2 + 4\, f(x)\, x + x^2 - f(x) + x)$$

Sequence: A004146
Score: 8.69736
Type of gen. func.: lgdogf

$$-\frac{-2\, x^3 + x^2 + 8\, x - 5}{-x^4 + 3\, x^3 - 3\, x + 1}$$

Sequence: A004148
Score: 7.65736
Type of gen. func.: revogf

$$\frac{1}{2}+\frac{1}{2\,x}+x/2-\frac{(x^2-x+1)^{1/2}\,(x^2+3\,x+1)^{1/2}}{2\,x}$$

Sequence: A004148
Score: 9.94461
Type of gen. func.: ogf

$$-f(x)^2\,x^2+f(x)\,x^2-f(x)\,x+f(x)-1$$

Sequence: A004149
Score: 7.28746
Type of gen. func.: ogf

$$-f(x)^2\,x^2+f(x)\,x^3+f(x)\,x^2-f(x)\,x+f(x)-1$$

Sequence: A004154
Score: 7.50136
Type of gen. func.: lgdegf]

$$-\frac{x^8+2\,x^7+3\,x^6+4\,x^5+5\,x^4+40\,x^3+30\,x^2+20\,x+10}{(x^4+x^3+x^2+x+1)\,(x^5-10)}$$

Sequence: A004154
Score: 8.46311
Type of gen. func.: egf]

$$f(x)\,(f(x)\,x^5+10\,x^4+10\,x^3+10\,x^2-10\,f(x)+10\,x+10)$$

Sequence: A004154
Score: 8.52324
Type of gen. func.: egf]

$$-\frac{10\,(x^4 + x^3 + x^2 + x + 1)}{x^5 - 10}$$

Sequence: A004171
Score: 14.1136
Type of gen. func.: ogf

$$\{a(n + 1) - 4\ a(n),\ a(0) = 2\}$$

Sequence: A004171
Score: 17.9001
Type of gen. func.: ogf

$$-4\ f(x)\ x + f(x) - 2$$

Sequence: A004171
Score: 26.2109
Type of gen. func.: lgdogf

$$\frac{4}{-4\ x + 1}$$

Sequence: A004171
Score: 29.3562
Type of gen. func.: ogf

$$-\frac{2}{-1 + 4\ x}$$

Sequence: A004171
Score: 55.4638
Type of gen. func.: revogf

$$\frac{x}{2\ (1 + 2\ x)}$$

Sequence: A004171
Score: 65.5481
Type of gen. func.: lgdogf

$$-\frac{4}{-1 + 4 x}$$

Sequence: A004187
Score: 12.2763
Type of gen. func.: ogf

$$-f(x) x^2 + 7 f(x) x - f(x) + x$$

Sequence: A004187
Score: 15.0895
Type of gen. func.: lgdogf

$$-\frac{2 x - 7}{x^2 - 7 x + 1}$$

Sequence: A004187
Score: 16.6254
Type of gen. func.: revogf

$$-\frac{-7 x - 1 + (9 x + 1)^{1/2} (5 x + 1)^{1/2}}{2 x}$$

Sequence: A004187
Score: 21.9484
Type of gen. func.: ogf

$$\frac{x}{x^2 - 7 x + 1}$$

Sequence: A004187
Score: 34.0425
Type of gen. func.: lgdogf

$$-\frac{2x-7}{x^2-7x+1}$$

Sequence: A004187
Score: 8.94195
Type of gen. func.: ogf

$$\{a(n+2)-7\,a(n+1)+a(n),\ a(0)=0,\ a(1)=1\}$$

Sequence: A004188
Score: 10.7474
Type of gen. func.: lgdogf

$$-\frac{2x^2+23x+11}{x^3+6x^2-6x-1}$$

Sequence: A004188
Score: 20.5417
Type of gen. func.: lgdogf

$$-\frac{(x+11)(1+2x)}{(-1+x)(x^2+7x+1)}$$

Sequence: A004188
Score: 4.99528
Type of gen. func.: ogf

$$-(765 f(x) + 2153)$$

$$(f(x)\,x^4 - 4 f(x)\,x^3 + 6 f(x)\,x^2 - x^3 - 4 f(x)\,x - 7x^2 + f(x) - x)$$

Sequence: A004188
Score: 9.71685
Type of gen. func.: ogf

$$x(x^2+7x+1)$$

$$\overline{\qquad (-1+x)^4 \qquad}$$

Sequence: A004189
Score: 11.7433
Type of gen. func.: lgdogf

$$-\frac{2x-10}{x^2-10x+1}$$

Sequence: A004189
Score: 12.8484
Type of gen. func.: revogf

$$-\frac{-1-10x+(1+8x)^{1/2}(12x+1)^{1/2}}{2x}$$

Sequence: A004189
Score: 13.5349
Type of gen. func.: ogf

$$-f(x)x^2+10f(x)x-f(x)+x$$

Sequence: A004189
Score: 17.2695
Type of gen. func.: ogf

$$\frac{x}{x^2-10x+1}$$

Sequence: A004189
Score: 27.5322
Type of gen. func.: lgdogf

$$-\frac{2(x-5)}{x^2-10x+1}$$

Sequence: A004189
Score: 7.16052
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A004190
Score: 11.0990
Type of gen. func.: lgdogf

$$-\frac{2 x - 11}{x^2 - 11 x + 1}$$

Sequence: A004190
Score: 12.0753
Type of gen. func.: revogf

$$-\frac{-11 x - 1 + (9 x + 1)^{1/2} (13 x + 1)^{1/2}}{2 x}$$

Sequence: A004190
Score: 16.3221
Type of gen. func.: ogf

$$\frac{1}{x^2 - 11 x + 1}$$

Sequence: A004190
Score: 23.6256
Type of gen. func.: lgdogf

$$-\frac{2 x - 11}{x^2 - 11 x + 1}$$

Sequence: A004190
Score: 6.60656
Type of gen. func.: ogf

$$(119 f(x) + 2) (f(x) x^2 - 11 f(x) x + f(x) - 1)$$

Sequence: A004190
Score: 6.60656
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - a(n), a(0) = 1, a(1) = 11\}$$

Sequence: A004191
Score: 14.3196
Type of gen. func.: lgdogf

$$-\frac{2 x - 12}{x^2 - 12 x + 1}$$

Sequence: A004191
Score: 15.3043
Type of gen. func.: revogf

$$-\frac{-12 x - 1 + (14 x + 1)^{1/2} (1 + 10 x)^{1/2}}{2 x}$$

Sequence: A004191
Score: 21.0582
Type of gen. func.: ogf

$$\frac{1}{x^2 - 12 x + 1}$$

Sequence: A004191
Score: 31.9998
Type of gen. func.: lgdogf

$$-\frac{2\,(-6 + x)}{x^2 - 12\,x + 1}$$

Sequence: A004191
Score: 8.52356
Type of gen. func.: ogf

$$\{-a(n + 2) + 12\,a(n + 1) - a(n),\ a(0) = 1,\ a(1) = 12\}$$

Sequence: A004191
Score: 8.62627
Type of gen. func.: ogf

$$(71\,f(x) + 1)\,(f(x)\,x^2 - 12\,f(x)\,x + f(x) - 1)$$

Sequence: A004211
Score: 14.9021
Type of gen. func.: lgdegf]

$$(-2 - n)\,a(n + 2) + 2\,a(n + 1),\ a(0) = 1,\ a(1) = 2$$

Sequence: A004211
Score: 24.1025
Type of gen. func.: lgdegf]

$$\exp(2\,x)$$

Sequence: A004212
Score: 14.6633
Type of gen. func.: lgdegf]

$$(-2 - n)\,a(n + 2) + 3\,a(n + 1),\ a(0) = 1,\ a(1) = 3$$

Sequence: A004212
Score: 23.7162
Type of gen. func.: lgdegf]

$$\exp(3\,x)$$

Sequence: A004213
Score: 14.1023
Type of gen. func.: lgdegf]

$$(-2 - n)\, a(n + 2) + 4\, a(n + 1),\ a(0) = 1,\ a(1) = 4$$

Sequence: A004213
Score: 29.3035
Type of gen. func.: lgdegf]

$$\exp(4\, x)$$

Sequence: A004216
Score: 12.9690
Type of gen. func.: lgdogf

$$\frac{90\, x^{88} + 90\, x^{87} - 5\, x^{4} - 4\, x^{3} - 3\, x^{2} - 2\, x - 1}{90\, x^{87} + 5\, x^{5} - x^{4} - x^{3} - x^{2} - x - 1}$$

Sequence: A004216
Score: 9.99377
Type of gen. func.: ogf

$$- \frac{x^{9}\, (1 + x)\, (x^{2} + x + 1)\, (x^{2} - x + 1)}{x^{90} + x^{6} - 1}$$

Sequence: A004218
Score: 10.4448
Type of gen. func.: lgdogf

$$- \frac{-8\, x^{9} + 9\, x^{8} + 1}{x^{10} - x^{9} + x - 1}$$

Sequence: A004218
Score: 13.8727
Type of gen. func.: lgdogf

$$\frac{8 x^{9} - 9 x^{8} - 1}{(-1 + x) (1 + x) (x^{2} - x + 1) (x^{6} - x^{3} + 1)}$$

Sequence: A004218
Score: 17.1593
Type of gen. func.: ogf

$$- \frac{x (1 + x) (x^{2} - x + 1) (x^{6} - x^{3} + 1)}{-1 + x}$$

Sequence: A004218
Score: 23.9551
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{17} + x^{8} + 1$$

Sequence: A004253
Score: 13.2571
Type of gen. func.: ogf

$$- \frac{-1 + x}{x^{2} - 5 x + 1}$$

Sequence: A004253
Score: 14.6052
Type of gen. func.: revogf

$$- \frac{-5 x - 1 + (21 x^{2} + 6 x + 1)^{1/2}}{2 (1 + x)}$$

Sequence: A004253

Score: 18.8454
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2x + 4}{(-1 + x)(x^2 - 5x + 1)}$$

Sequence: A004253
Score: 6.70305
Type of gen. func.: ogf

$$-(9 f(x) - 1) (f(x) x^2 - 5 f(x) x + f(x) + x - 1)$$

Sequence: A004253
Score: 7.27526
Type of gen. func.: ogf

{a(n + 2) - 5 a(n + 1) + a(n), a(0) = 1, a(1) = 4}

Sequence: A004253
Score: 9.32142
Type of gen. func.: lgdogf

$$-\frac{-x^2 + 2x - 4}{-x^3 + 6x^2 - 6x + 1}$$

Sequence: A004254
Score: 12.439
Type of gen. func.: ogf

$$-f(x) x^2 + 5 f(x) x - f(x) + x$$

Sequence: A004254
Score: 14.0003
Type of gen. func.: revogf

$$-5x - 1 + (7x + 1)^{1/2} (3x + 1)^{1/2}$$

```
                  - ------------------------------------
                                  2 x
```

Sequence: A004254
Score: 15.2897
Type of gen. func.: lgdogf

$$-\frac{2x-5}{x^2-5x+1}$$

Sequence: A004254
Score: 22.2395
Type of gen. func.: ogf

$$\frac{x}{x^2-5x+1}$$

Sequence: A004254
Score: 28.6673
Type of gen. func.: lgdogf

$$-\frac{2x-5}{x^2-5x+1}$$

Sequence: A004254
Score: 9.06056
Type of gen. func.: ogf

$$\{a(n+2)-5a(n+1)+a(n),\ a(0)=0,\ a(1)=1\}$$

Sequence: A004255
Score: 12.7324
Type of gen. func.: lgdogf

$$-\frac{-12x^2-3}{-4x^3+6x^2-3x+1}$$

Sequence: A004255
Score: 23.0915
Type of gen. func.: lgdogf

$$-\frac{3 (4 x^2 + 1)}{(-1 + x) (4 x^2 - 2 x + 1)}$$

Sequence: A004255
Score: 3.88338
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-12 - 3 n) a(n + 3) + (6 n + 12) a(n + 2) + (-16 - 4 n) a(n + 1), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 25\}$$

Sequence: A004255
Score: 9.83133
Type of gen. func.: ogf

$$-\frac{4 x^2 - 2 x + 1}{(-1 + x)^5}$$

Sequence: A004256
Score: 14.3541
Type of gen. func.: lgdogf

$$-\frac{4 (3 x^2 + 19 x + 8)}{(-1 + x) (3 x^2 + 14 x + 3)}$$

Sequence: A004256
Score: 6.12695
Type of gen. func.: ogf

$$\frac{x (3 x^2 + 14 x + 3)}{6}$$

```
                              (-1 + x)
```

Sequence: A004256
Score: 8.25806
Type of gen. func.: lgdogf

```
                                   2
                               12 x  + 76 x + 32
                          - -----------------------
                                3       2
                             3 x  + 11 x  - 11 x - 3
```

Sequence: A004271
Score: 13.3305
Type of gen. func.: ogf

```
                                        4
                                    x (x  + 1)
                                    ----------
                                            2
                                    (-1 + x)
```

Sequence: A004271
Score: 20.6830
Type of gen. func.: lgdogf

```
                                     4      3
                                2 (x  - 2 x  - 1)
                                -----------------
                                              4
                                (-1 + x) (x  + 1)
```

Sequence: A004271
Score: 22.4208
Type of gen. func.: ogf_with_Euler_transform]

```
                                     7    3
                                   -x  + x  + 2
```

Sequence: A004271
Score: 4.76785
Type of gen. func.: ogf

```
{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 3,

    a(4) = 4, a(5) = 6}
```

Sequence: A004271
Score: 9.60581
Type of gen. func.: lgdogf

$$-\frac{2x^4-4x^3-2}{-x^5+x^4-x+1}$$

Sequence: A004272
Score: 13.5548
Type of gen. func.: ogf

$$\frac{x(x^2+1)(x^4-x^2+1)}{(-1+x)^2}$$

Sequence: A004272
Score: 14.4913
Type of gen. func.: lgdogf

$$\frac{2(2x^6-3x^5-1)}{(-1+x)(x^2+1)(x^4-x^2+1)}$$

Sequence: A004272
Score: 22.0403
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{11}+x^5+2$$

Sequence: A004272
Score: 4.12536
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) + a(n + 1), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 3,

a(4) = 4, a(5) = 5, a(6) = 6, a(7) = 8}

Sequence: A004272
Score: 9.76740
Type of gen. func.: lgdogf

$$- \frac{-4 x^{6} + 6 x^{5} + 2}{x^{7} - x^{6} + x - 1}$$

Sequence: A004273
Score: 11.0568
Type of gen. func.: ogf

$$f(x) (f(x) x^{2} - 2 f(x) x - x^{2} + f(x) - x)$$

Sequence: A004273
Score: 18.2775
Type of gen. func.: ogf

$$\frac{(1 + x) x}{(-1 + x)^{2}}$$

Sequence: A004273
Score: 20.3545
Type of gen. func.: lgdogf

$$- \frac{3 + x}{x^{2} - 1}$$

Sequence: A004273
Score: 25.9701
Type of gen. func.: revogf

$$- \frac{-1 - 2 x + (1 + 8 x)^{1/2}}{2 (-1 + x)}$$

Sequence: A004273
Score: 42.4950
Type of gen. func.: ogf_with_Euler_transform]

$$[3 - x]$$

Sequence: A004273
Score: 46.4729
Type of gen. func.: lgdogf

$$-\frac{3 + x}{(-1 + x)\,(1 + x)}$$

Sequence: A004273
Score: 8.86732
Type of gen. func.: ogf

$$\{a(n + 3) - 2\,a(n + 2) + a(n + 1),\ a(0) = 0,\ a(1) = 1,\ a(2) = 3\}$$

Sequence: A004274
Score: 13.3411
Type of gen. func.: lgdogf

$$-\frac{-x^3 + 3\,x^2 + 2}{x^4 - x^3 + x - 1}$$

Sequence: A004274
Score: 18.5142
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1)\,(1 + x)\,x}{(-1 + x)^2}$$

Sequence: A004274
Score: 24.1767
Type of gen. func.: lgdogf

$$\frac{x^3 - 3 x^2 - 2}{(-1 + x) (1 + x) (x^2 - x + 1)}$$

Sequence: A004274
Score: 31.1727
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^2 + 2$$

Sequence: A004274
Score: 7.25756
Type of gen. func.: ogf

$\{a(n + 5) - 2 a(n + 4) + a(n + 3), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 3,$

$a(4) = 5\}$

Sequence: A004274
Score: 9.651
Type of gen. func.: ogf

$$-(12 f(x) + 5) (-x^4 + f(x) x^2 - 2 f(x) x + f(x) - x)$$

Sequence: A004275
Score: 11.4683
Type of gen. func.: lgdogf

$$- \frac{-2 x - 2}{-x^3 + x^2 - x + 1}$$

Sequence: A004275
Score: 13.1067
Type of gen. func.: ogf

$$\frac{x (x^2 + 1)}{2}$$

$$(-1 + x)$$

Sequence: A004275
Score: 22.0420
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^{3} + x + 2]$$

Sequence: A004275
Score: 27.4026
Type of gen. func.: lgdogf

$$-\frac{2 (1 + x)}{(x^{2} + 1) (-1 + x)}$$

Sequence: A004275
Score: 5.68342
Type of gen. func.: ogf

$$\{-a(n + 4) + 2 a(n + 3) - a(n + 2), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 4\}$$

Sequence: A004275
Score: 6.90566
Type of gen. func.: ogf

$$-(2 f(x) + 1) (f(x) x^{2} - x^{3} - 2 f(x) x + f(x) - x)$$

Sequence: A004276
Score: 13.5118
Type of gen. func.: lgdogf

$$-\frac{-3 x^{5} + 5 x^{4} + 2}{x^{6} - x^{5} + x - 1}$$

Sequence: A004276

Score: 18.7511
Type of gen. func.: ogf

$$\frac{x (1 + x) (x^4 - x^3 + x^2 - x + 1)}{(-1 + x)^2}$$

Sequence: A004276
Score: 19.2787
Type of gen. func.: lgdogf

$$\frac{3 x^5 - 5 x^4 - 2}{(-1 + x) (1 + x) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A004276
Score: 31.5736
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9 + x^4 + 2$$

Sequence: A004276
Score: 6.16646
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n + 1), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 3, a(4) = 4, a(5) = 5, a(6) = 7\}$$

Sequence: A004277
Score: 13.5554
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x + x^2 - f(x) + 1$$

Sequence: A004277
Score: 16.2181
Type of gen. func.: lgdogf

$$-\frac{2 x + 2}{x^3 - x^2 + x - 1}$$

Sequence: A004277
Score: 18.5350
Type of gen. func.: ogf

$$\frac{x^2 + 1}{(-1 + x)^2}$$

Sequence: A004277
Score: 31.2057
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^3 + x + 2]$$

Sequence: A004277
Score: 38.7563
Type of gen. func.: lgdogf

$$-\frac{2 (1 + x)}{(x^2 + 1) (-1 + x)}$$

Sequence: A004277
Score: 8.90405
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n + 1), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A004278
Score: 13.1881
Type of gen. func.: ogf

$$\frac{x^4 + 1}{(-1 + x)^2}$$

Sequence: A004278
Score: 20.3309
Type of gen. func.: lgdogf

$$\frac{2 (x^4 - 2 x^3 - 1)}{(-1 + x) (x^4 + 1)}$$

Sequence: A004278
Score: 22.1789
Type of gen. func.: ogf_with_Euler_transform]

$$-x^7 + x^3 + 2$$

Sequence: A004278
Score: 5.12869
Type of gen. func.: ogf

$$\{-a(n + 5) + 2 a(n + 4) - a(n + 3), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 4, a(4) = 6\}$$

Sequence: A004278
Score: 7.97797
Type of gen. func.: ogf

$$f(x) (-x^4 + f(x) x^2 - 2 f(x) x + f(x) - 1)$$

Sequence: A004278
Score: 9.50316
Type of gen. func.: lgdogf

$$-\frac{2 x^4 - 4 x^3 - 2}{-x^5 + x^4 - x + 1}$$

Sequence: A004279
Score: 13.4123
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^4 - x^2 + 1)}{(-1 + x)^2}$$

Sequence: A004279
Score: 14.2483
Type of gen. func.: lgdogf

$$\frac{2 (2 x^6 - 3 x^5 - 1)}{(-1 + x) (x^2 + 1) (x^4 - x^2 + 1)}$$

Sequence: A004279
Score: 21.8064
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{11} + x^5 + 2$$

Sequence: A004279
Score: 4.38135
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) + a(n + 1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 4,

a(4) = 5, a(5) = 6, a(6) = 8}

Sequence: A004279
Score: 9.66474
Type of gen. func.: lgdogf

$$- \frac{-4 x^6 + 6 x^5 + 2}{x^7 - x^6 + x - 1}$$

Sequence: A004280
Score: 13.2324
Type of gen. func.: lgdogf

$$-\frac{-x^3+3x^2+2}{x^4-x^3+x-1}$$

Sequence: A004280
Score: 13.4299
Type of gen. func.: ogf

$$-f(x)\,x^2+x^3+2\,f(x)\,x-f(x)+1$$

Sequence: A004280
Score: 18.3633
Type of gen. func.: ogf

$$\frac{(1+x)\,(x^2-x+1)}{(-1+x)^2}$$

Sequence: A004280
Score: 23.8645
Type of gen. func.: lgdogf

$$\frac{x^3-3x^2-2}{(-1+x)\,(1+x)\,(x^2-x+1)}$$

Sequence: A004280
Score: 30.9167
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5+x^2+2$$

Sequence: A004280
Score: 7.89302

Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) + a(n + 2), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 5\}$$

Sequence: A004281
Score: 13.1087
Type of gen. func.: lgdogf

$$-\frac{-3 x^{5} + 5 x^{4} + 2}{x^{6} - x^{5} + x - 1}$$

Sequence: A004281
Score: 18.1917
Type of gen. func.: ogf

$$\frac{(1 + x) (x^{4} - x^{3} + x^{2} - x + 1)}{(-1 + x)^{2}}$$

Sequence: A004281
Score: 18.6080
Type of gen. func.: lgdogf

$$\frac{3 x^{5} - 5 x^{4} - 2}{(-1 + x) (1 + x) (x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A004281
Score: 30.6278
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{9} + x^{4} + 2$$

Sequence: A004281
Score: 6.45938
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) + a(n + 1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 4,

a(4) = 5, a(5) = 7}

Sequence: A004282
Score: 18.2428
Type of gen. func.: lgdogf

$$-\frac{4\,(x^2 + 8\,x + 6)}{(-1 + x)\,(x^2 + 6\,x + 3)}$$

Sequence: A004282
Score: 6.65452
Type of gen. func.: ogf

$$\frac{x\,(x^2 + 6\,x + 3)}{(-1 + x)^6}$$

Sequence: A004282
Score: 9.27600
Type of gen. func.: lgdogf

$$-\frac{-4\,x^2 - 32\,x - 24}{-x^3 - 5\,x^2 + 3\,x + 3}$$

Sequence: A004291
Score: 12.0346
Type of gen. func.: lgdogf

$$-\frac{12\,x - 12}{x^3 - 9\,x^2 - 9\,x + 1}$$

Sequence: A004291
Score: 12.9260
Type of gen. func.: ogf

$$\frac{(1 + x)^2}{x^2 - 10 x + 1}$$

Sequence: A004291
Score: 18.7376
Type of gen. func.: lgdogf

$$- \frac{12 (-1 + x)}{(1 + x) (x^2 - 10 x + 1)}$$

Sequence: A004291
Score: 6.58495
Type of gen. func.: ogf

$$\{-a(n + 3) + 10 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 12, a(2) = 120\}$$

Sequence: A004291
Score: 9.69452
Type of gen. func.: ogf

$$-f(x) x^2 + 10 f(x) x + x^2 - f(x) + 2 x + 1$$

Sequence: A004292
Score: 16.7311
Type of gen. func.: lgdogf

$$- \frac{20 (-1 + x)}{(1 + x) (x^2 - 18 x + 1)}$$

Sequence: A004292
Score: 4.68202
Type of gen. func.: ogf

$$\{-a(n + 3) + 18 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 20, a(2) = 360\}$$

Sequence: A004292
Score: 6.89296
Type of gen. func.: ogf

$$-f(x) x^{2} + 18 f(x) x + x^{2} - f(x) + 2 x + 1$$

Sequence: A004292
Score: 8.27157
Type of gen. func.: lgdogf

$$-\frac{20 x - 20}{x^{3} - 17 x^{2} - 17 x + 1}$$

Sequence: A004292
Score: 9.19063
Type of gen. func.: ogf

$$\frac{(1 + x)^{2}}{x^{2} - 18 x + 1}$$

Sequence: A004293
Score: 10.4829
Type of gen. func.: lgdogf

$$-\frac{28 x - 28}{x^{3} - 25 x^{2} - 25 x + 1}$$

Sequence: A004293
Score: 11.6476
Type of gen. func.: ogf

$$\frac{(1 + x)^{2}}{x^{2} - 26 x + 1}$$

Sequence: A004293
Score: 18.5477
Type of gen. func.: lgdogf

$$-\frac{28 (-1 + x)}{(1 + x) (x^2 - 26 x + 1)}$$

Sequence: A004293
Score: 5.93371
Type of gen. func.: ogf

{-a(n + 3) + 26 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 28, a(2) = 728}

Sequence: A004293
Score: 8.73574
Type of gen. func.: ogf

$$-f(x) x^2 + 26 f(x) x + x^2 - f(x) + 2 x + 1$$

Sequence: A004294
Score: 11.1912
Type of gen. func.: lgdogf

$$-\frac{36 x - 36}{x^3 - 33 x^2 - 33 x + 1}$$

Sequence: A004294
Score: 12.4346
Type of gen. func.: ogf

$$\frac{(1 + x)^2}{x^2 - 34 x + 1}$$

Sequence: A004294
Score: 17.0887
Type of gen. func.: lgdogf

$$-\frac{36(-1+x)}{(1+x)(x^2-34x+1)}$$

Sequence: A004294
Score: 6.27543
Type of gen. func.: ogf

$$\{-a(n+3)+34\,a(n+2)-a(n+1),\ a(0)=1,\ a(1)=36,\ a(2)=1224\}$$

Sequence: A004294
Score: 9.32599
Type of gen. func.: ogf

$$-f(x)\,x^2+34\,f(x)\,x+x^2-f(x)+2x+1$$

Sequence: A004295
Score: 10.3048
Type of gen. func.: lgdogf

$$-\frac{44x-44}{x^3-41x^2-41x+1}$$

Sequence: A004295
Score: 11.4498
Type of gen. func.: ogf

$$\frac{(1+x)^2}{x^2-42x+1}$$

Sequence: A004295
Score: 18.0225
Type of gen. func.: lgdogf

$$-\frac{44(-1+x)}{(1+x)(x^2-42x+1)}$$

```
------------------------------------------------------------------------------

Sequence:  A004295
Score: 5.77839
Type of gen. func.: ogf


     {-a(n + 3) + 42 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 44, a(2) = 1848}



------------------------------------------------------------------------------

Sequence:  A004295
Score: 8.58732
Type of gen. func.: ogf


                          2                 2
                   -f(x) x  + 42 f(x) x + x  - f(x) + 2 x + 1



------------------------------------------------------------------------------

Sequence:  A004296
Score: 10.7207
Type of gen. func.: lgdogf


                                    52 x - 52
                            - ---------------------
                               3       2
                              x  - 49 x  - 49 x + 1



------------------------------------------------------------------------------

Sequence:  A004296
Score: 11.9119
Type of gen. func.: ogf


                                          2
                                   (1 + x)
                                 -------------
                                  2
                                 x  - 50 x + 1



------------------------------------------------------------------------------

Sequence:  A004296
Score: 18.7696
Type of gen. func.: lgdogf


                                   52 (-1 + x)
                           - -----------------------
                                       2
                             (1 + x) (x  - 50 x + 1)



------------------------------------------------------------------------------
```

Sequence: A004296
Score: 6.01160
Type of gen. func.: ogf

$$\{-a(n+3) + 50\, a(n+2) - a(n+1),\ a(0) = 1,\ a(1) = 52,\ a(2) = 2600\}$$

Sequence: A004296
Score: 8.9339
Type of gen. func.: ogf

$$-f(x)\, x^{2} + 50\, f(x)\, x + x^{2} - f(x) + 2\, x + 1$$

Sequence: A004297
Score: 11.0442
Type of gen. func.: lgdogf

$$-\frac{60\, x - 60}{x^{3} - 57\, x^{2} - 57\, x + 1}$$

Sequence: A004297
Score: 12.2713
Type of gen. func.: ogf

$$\frac{(1 + x)^{2}}{x^{2} - 58\, x + 1}$$

Sequence: A004297
Score: 19.3299
Type of gen. func.: lgdogf

$$-\frac{60\, (-1 + x)}{(1 + x)\, (x^{2} - 58\, x + 1)}$$

Sequence: A004297
Score: 6.19298
Type of gen. func.: ogf

$$\{-a(n + 3) + 58 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 60, a(2) = 3480\}$$

Sequence: A004297
Score: 9.20345
Type of gen. func.: ogf

$$-f(x) x^2 + 58 f(x) x + x^2 - f(x) + 2 x + 1$$

Sequence: A004298
Score: 11.3676
Type of gen. func.: lgdogf

$$-\frac{68 x - 68}{x^3 - 65 x^2 - 65 x + 1}$$

Sequence: A004298
Score: 12.6307
Type of gen. func.: ogf

$$\frac{(1 + x)^2}{x^2 - 66 x + 1}$$

Sequence: A004298
Score: 16.9264
Type of gen. func.: lgdogf

$$-\frac{68 (-1 + x)}{(1 + x) (x^2 - 66 x + 1)}$$

Sequence: A004298
Score: 6.37436
Type of gen. func.: ogf

$$\{-a(n + 3) + 66 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 68, a(2) = 4488\}$$

Sequence: A004298
Score: 9.47301
Type of gen. func.: ogf

$$-f(x) x^2 + 66 f(x) x + x^2 - f(x) + 2 x + 1$$

Sequence: A004299
Score: 10.0198
Type of gen. func.: lgdogf

$$- \frac{76 x - 76}{x^3 - 73 x^2 - 73 x + 1}$$

Sequence: A004299
Score: 11.1331
Type of gen. func.: ogf

$$\frac{(1 + x)^2}{x^2 - 74 x + 1}$$

Sequence: A004299
Score: 17.2904
Type of gen. func.: lgdogf

$$- \frac{76 (-1 + x)}{(1 + x) (x^2 - 74 x + 1)}$$

Sequence: A004299
Score: 5.61857
Type of gen. func.: ogf

$$\{-a(n + 3) + 74 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 76, a(2) = 5624\}$$

Sequence: A004299
Score: 8.34982
Type of gen. func.: ogf

$$-f(x)\,x^2 + 74\,f(x)\,x + x^2 - f(x) + 2\,x + 1$$

Sequence: A004301
Score: 10.5544
Type of gen. func.: lgdogf

$$-\frac{144\,x^4 - 78\,x^3 - 149\,x^2 + 136\,x - 29}{(-1 + x)\,(3\,x - 1)\,(2\,x - 1)\,(6\,x^2 + x - 3)}$$

Sequence: A004301
Score: 7.02905
Type of gen. func.: lgdogf

$$-\frac{144\,x^4 - 78\,x^3 - 149\,x^2 + 136\,x - 29}{36\,x^5 - 60\,x^4 + 7\,x^3 + 33\,x^2 - 19\,x + 3}$$

Sequence: A004301
Score: 7.90768
Type of gen. func.: ogf

$$-\frac{2\,x\,(6\,x^2 + x - 3)}{(3\,x - 1)\,(2\,x - 1)^2\,(-1 + x)^3}$$

Sequence: A004302
Score: 16.5336
Type of gen. func.: lgdogf

$$-\frac{12\,(x^2 + 3\,x + 1)}{(-1 + x)\,(3\,x^2 + 6\,x + 1)}$$

Sequence: A004302
Score: 6.58059
Type of gen. func.: ogf

$$\frac{x\,(3\,x^{2}+6\,x+1)}{(-1+x)^{6}}$$

Sequence: A004302
Score: 9.03603
Type of gen. func.: lgdogf

$$-\frac{12\,x^{2}+36\,x+12}{3\,x^{3}+3\,x^{2}-5\,x-1}$$

Sequence: A004305
Score: 7.40914
Type of gen. func.: lgdogf

$$-\frac{-x^{6}+6\,x^{5}-12\,x^{4}+8\,x^{3}+18\,x^{2}-6\,x+22}{-x^{7}+7\,x^{6}-20\,x^{5}+30\,x^{4}-22\,x^{3}+7\,x^{2}+2\,x-3}$$

Sequence: A004305
Score: 7.57882
Type of gen. func.: ogf

$$\frac{x^{6}-6\,x^{5}+14\,x^{4}-16\,x^{3}+6\,x^{2}-x-3}{(-1+x)^{7}}$$

Sequence: A004306
Score: 5.46677
Type of gen. func.: lgdogf

$$\frac{30\,x^{10}+12\,x^{9}+3\,x^{8}-120\,x^{7}+12\,x^{6}+12\,x^{5}+90\,x^{4}-40\,x^{3}-6\,x^{2}-1}{(-1+x)\,(x^{3}+x^{2}+x-1)\,(10\,x^{7}+6\,x^{6}+3\,x^{5}-13\,x^{4}-2\,x^{3}+x-1)}$$

Sequence: A004306
Score: 8.07815
Type of gen. func.: ogf

$$-\frac{10x^7+6x^6+3x^5-13x^4-2x^3+x-1}{(-1+x)(x^3+x^2+x-1)}$$

Sequence: A004310
Score: 4.39764
Type of gen. func.: ogf

$$\{(-4n^2-46n-132)a(n+1)+(n^2+12n+20)a(n+2),\ a(0)=1,\ a(1)=10\}$$

Sequence: A004310
Score: 7.48788
Type of gen. func.: lgdogf

$$\frac{-\frac{2(9x-2)}{(-1+4x)^{1/2}}+4I}{x(-1+4x)^{1/2}}$$

Sequence: A004310
Score: 9.67722
Type of gen. func.: lgdogf

$$-80+324x+(144x^2-68x+8)f(x)+(16x^3-8x^2+x)f(x)^2$$

Sequence: A004311
Score: 4.11318
Type of gen. func.: ogf

$$\{(-4n^2-54n-182)a(n+1)+(n^2+14n+24)a(n+2),\ a(0)=1,\ a(1)=12\}$$

Sequence: A004311
Score: 6.91015
Type of gen. func.: lgdogf

$$\frac{-\frac{22 x - 5}{(-1 + 4 x)^{1/2}} + 5 I}{(-1 + 4 x)^{1/2} x}$$

Sequence: A004311
Score: 8.72894
Type of gen. func.: lgdogf

$$-120 + 484 x + (176 x^2 - 84 x + 10) f(x) + (16 x^3 - 8 x^2 + x) f(x)^2$$

Sequence: A004312
Score: 4.25584
Type of gen. func.: ogf

$$\{(-4 n^2 - 62 n - 240) a(n + 1) + (n^2 + 16 n + 28) a(n + 2), a(0) = 1, a(1) = 14\}$$

Sequence: A004312
Score: 7.14981
Type of gen. func.: lgdogf

$$\frac{-\frac{2 (13 x - 3)}{(-1 + 4 x)^{1/2}} + 6 I}{x (-1 + 4 x)^{1/2}}$$

Sequence: A004312
Score: 8.88564
Type of gen. func.: lgdogf

$$-168 + 676 x + (208 x^2 - 100 x + 12) f(x) + (16 x^3 - 8 x^2 + x) f(x)^2$$

```
-------------------------------------------------------------------------------

Sequence:  A004313
Score: 3.97266
Type of gen. func.: ogf


      2                                  2
{(-4 n  - 70 n - 306) a(n + 1) + (n  + 18 n + 32) a(n + 2), a(0) = 1, a(1) = 16

    }



-------------------------------------------------------------------------------

Sequence:  A004313
Score: 6.67407
Type of gen. func.: lgdogf


                                 30 x - 7
                             - ------------- + 7 I
                                         1/2
                               (-1 + 4 x)
                             ---------------------
                                            1/2
                                x (-1 + 4 x)



-------------------------------------------------------------------------------

Sequence:  A004313
Score: 8.28436
Type of gen. func.: lgdogf


                           2                            3      2          2
      -224 + 900 x + (240 x  - 116 x + 14) f(x) + (16 x  - 8 x  + x) f(x)



-------------------------------------------------------------------------------

Sequence:  A004314
Score: 4.08950
Type of gen. func.: ogf


      2                                  2
{(-4 n  - 78 n - 380) a(n + 1) + (n  + 20 n + 36) a(n + 2), a(0) = 1, a(1) = 18

    }



-------------------------------------------------------------------------------

Sequence:  A004314
Score: 6.87036
Type of gen. func.: lgdogf


                               2 (17 x - 4)
                             - ------------- + 8 I
                                         1/2
                               (-1 + 4 x)
                             ---------------------
                                            1/2
```

$$x\,(-1 + 4\,x)$$

Sequence: A004314
Score: 8.39165
Type of gen. func.: lgdogf

$$-288 + 1156\,x + (272\,x^2 - 132\,x + 16)\,f(x) + (16\,x^3 - 8\,x^2 + x)\,f(x)^2$$

Sequence: A004315
Score: 4.15960
Type of gen. func.: ogf

$$\{(-4\,n^2 - 86\,n - 462)\,a(n + 1) + (n^2 + 22\,n + 40)\,a(n + 2), a(0) = 1, a(1) = 20\}$$

Sequence: A004315
Score: 6.98813
Type of gen. func.: lgdogf

$$\frac{-\dfrac{38\,x - 9}{(-1 + 4\,x)^{1/2}} + 9\,I}{x\,(-1 + 4\,x)^{1/2}}$$

Sequence: A004315
Score: 8.53888
Type of gen. func.: lgdogf

$$-360 + 1444\,x + (304\,x^2 - 148\,x + 18)\,f(x) + (16\,x^3 - 8\,x^2 + x)\,f(x)^2$$

Sequence: A004316
Score: 4.27645
Type of gen. func.: ogf

$$\{(-4\,n^2 - 94\,n - 552)\,a(n + 1) + (n^2 + 24\,n + 44)\,a(n + 2), a(0) = 1, a(1) = 22\}$$

Sequence: A004316
Score: 7.08991
Type of gen. func.: lgdogf

$$\frac{-\frac{2\ (21\ x-5)}{(-1+4\ x)^{1/2}}+10\ I}{x\ (-1+4\ x)^{1/2}}$$

Sequence: A004316
Score: 8.78425
Type of gen. func.: lgdogf

$$-440+1764\ x+(336\ x^{2}-164\ x+20)\ f(x)+(16\ x^{3}-8\ x^{2}+x)\ f(x)^{2}$$

Sequence: A004317
Score: 4.28914
Type of gen. func.: ogf

$$\{(-4\ n^{2}-102\ n-650)\ a(n+1)+(n^{2}+26\ n+48)\ a(n+2),\ a(0)=1,$$
$$a(1)=24\}$$

Sequence: A004317
Score: 7.07430
Type of gen. func.: lgdogf

$$\frac{-\frac{46\ x-11}{(-1+4\ x)^{1/2}}+11\ I}{(-1+4\ x)^{1/2}\ x}$$

Sequence: A004317
Score: 8.88239
Type of gen. func.: lgdogf

$$-528+2116\ x+(368\ x^{2}-180\ x+22)\ f(x)+(16\ x^{3}-8\ x^{2}+x)\ f(x)^{2}$$

Sequence: A004318
Score: 4.38188
Type of gen. func.: ogf

$$\{(-4 n^2 - 110 n - 756) a(n + 1) + (n^2 + 28 n + 52) a(n + 2), a(0) = 1, a(1) = 26\}$$

Sequence: A004318
Score: 7.32236
Type of gen. func.: lgdogf

$$\frac{- \frac{2 (25 x - 6)}{(-1 + 4 x)^{1/2}} + 12 I}{(-1 + 4 x)^{1/2} x}$$

Sequence: A004318
Score: 9.07869
Type of gen. func.: lgdogf

$$-624 + 2500 x + (400 x^2 - 196 x + 24) f(x) + (16 x^3 - 8 x^2 + x) f(x)^2$$

Sequence: A004319
Score: 12.9744
Type of gen. func.: ogf

$$\mathrm{hypergeom}([4/3, 5/3], [5/2], \frac{27 x}{4})$$

Sequence: A004319
Score: 5.92534
Type of gen. func.: ogf

$$\{(-27 n^2 - 135 n - 168) a(n + 1) + (4 n^2 + 22 n + 28) a(n + 2), a(0) = 1, a(1) = 6\}$$

Sequence: A004319
Score: 9.64767
Type of gen. func.: ogf

$$-27 f(x)^3 x^4 + 4 f(x)^3 x^3 + 6 f(x) x - f(x) + 1$$

Sequence: A004320
Score: 10.6976
Type of gen. func.: ogf

$$-\frac{x (3 + x)}{(-1 + x)^5}$$

Sequence: A004320
Score: 16.3739
Type of gen. func.: lgdogf

$$-\frac{4 x + 16}{x^2 + 2 x - 3}$$

Sequence: A004320
Score: 34.7336
Type of gen. func.: lgdogf

$$-\frac{4 (x + 4)}{(3 + x) (-1 + x)}$$

Sequence: A004320
Score: 5.31338
Type of gen. func.: ogf

$\{(6 + 3 n) a(n + 3) + (-18 - 2 n) a(n + 2) + (-4 - n) a(n + 1), a(0) = 0,$

$a(1) = 3, a(2) = 16\}$

Sequence: A004321

Score: 3.54893
Type of gen. func.: ogf

$$\{(27 n^3 + 378 n^2 + 1761 n + 2730) a(n + 1) + (-4 n^3 - 58 n^2 - 256 n - 312) a(n + 2), a(0) = 1, a(1) = 12\}$$

Sequence: A004322
Score: 3.70493
Type of gen. func.: ogf

$$\{(27 n^3 + 459 n^2 + 2598 n + 4896) a(n + 1) + (-4 n^3 - 70 n^2 - 364 n - 480) a(n + 2), a(0) = 1, a(1) = 15\}$$

Sequence: A004323
Score: 3.80242
Type of gen. func.: ogf

$$\{(27 n^3 + 540 n^2 + 3597 n + 7980) a(n + 1) + (-4 n^3 - 82 n^2 - 490 n - 684) a(n + 2), a(0) = 1, a(1) = 18\}$$

Sequence: A004324
Score: 3.44182
Type of gen. func.: ogf

$$\{(27 n^3 + 621 n^2 + 4758 n + 12144) a(n + 1) + (-4 n^3 - 94 n^2 - 634 n - 924) a(n + 2), a(0) = 1, a(1) = 21\}$$

Sequence: A004325
Score: 3.47219
Type of gen. func.: ogf

$$\{(27 n^3 + 702 n^2 + 6081 n + 17550) a(n + 1) + (-4 n^3 - 106 n^2 - 796 n - 1200) a(n + 2), a(0) = 1, a(1) = 24\}$$

Sequence: A004326
Score: 3.52851
Type of gen. func.: ogf

$$\{(27 n^3 + 783 n^2 + 7566 n + 24360) a(n + 1)$$

$$+ (-4 n^3 - 118 n^2 - 976 n - 1512) a(n + 2), a(0) = 1, a(1) = 27\}$$

Sequence: A004327
Score: 3.54303
Type of gen. func.: ogf

$$\{(27 n^3 + 864 n^2 + 9213 n + 32736) a(n + 1)$$

$$+ (-4 n^3 - 130 n^2 - 1174 n - 1860) a(n + 2), a(0) = 1, a(1) = 30\}$$

Sequence: A004328
Score: 3.65002
Type of gen. func.: ogf

$$\{(27 n^3 + 945 n^2 + 11022 n + 42840) a(n + 1)$$

$$+ (-4 n^3 - 142 n^2 - 1390 n - 2244) a(n + 2), a(0) = 1, a(1) = 33\}$$

Sequence: A004329
Score: 3.70041
Type of gen. func.: ogf

$$\{(27 n^3 + 1026 n^2 + 12993 n + 54834) a(n + 1)$$

$$+ (-4 n^3 - 154 n^2 - 1624 n - 2664) a(n + 2), a(0) = 1, a(1) = 36\}$$

Sequence: A004330
Score: 3.33850
Type of gen. func.: ogf

$$\{(27 n^3 + 1107 n^2 + 15126 n + 68880) a(n + 1)$$

```
            3        2
     + (-4 n  - 166 n  - 1876 n - 3120) a(n + 2), a(0) = 1, a(1) = 39}



------------------------------------------------------------------------------

Sequence:  A004331
Score: 3.70923
Type of gen. func.: ogf


        3         2
{(-256 n  - 1920 n  - 4784 n - 3960) a(n + 1)

            3        2
     + (27 n  + 216 n  + 564 n + 480) a(n + 2), a(0) = 1, a(1) = 8}



------------------------------------------------------------------------------

Sequence:  A004332
Score: 3.68987
Type of gen. func.: ogf


       3         2
{(256 n  + 2688 n  + 9392 n + 10920) a(n + 1)

             3        2
     + (-27 n  - 297 n  - 1032 n - 1092) a(n + 2), a(0) = 1, a(1) = 12}



------------------------------------------------------------------------------

Sequence:  A004333
Score: 2.99974
Type of gen. func.: ogf


        4         3          2
{(-256 n  - 4736 n  - 32816 n  - 100936 n - 116280) a(n + 1)

            4        3         2
     + (27 n  + 513 n  + 3516 n  + 10092 n + 9792) a(n + 2), a(0) = 1,

    a(1) = 16}



------------------------------------------------------------------------------

Sequence:  A004334
Score: 2.98361
Type of gen. func.: ogf


        4         3          2
{(-256 n  - 5760 n  - 48560 n  - 181800 n - 255024) a(n + 1)

            4        3         2
     + (27 n  + 621 n  + 5100 n  + 17172 n + 18480) a(n + 2), a(0) = 1,

    a(1) = 20}



------------------------------------------------------------------------------
```

Sequence: A004335
Score: 2.98361
Type of gen. func.: ogf

$$\{(-256 n^4 - 6784 n^3 - 67376 n^2 - 297224 n - 491400) a(n + 1) + (27 n^4 + 729 n^3 + 6972 n^2 + 26844 n + 31200) a(n + 2), a(0) = 1, a(1) = 24\}$$

Sequence: A004344
Score: 3.76027
Type of gen. func.: ogf

$$\{(3125 n^4 + 43750 n^3 + 229375 n^2 + 533750 n + 465120) a(n + 1) + (-256 n^4 - 3712 n^3 - 19696 n^2 - 44952 n - 36720) a(n + 2), a(0) = 1, a(1) = 15\}$$

Sequence: A004396
Score: 10.3353
Type of gen. func.: lgdogf

$$- \frac{-2 x^4 - x^3 - 5 x^2 - 3 x - 1}{-x^5 - x^3 + x^2 + 1}$$

Sequence: A004396
Score: 15.2309
Type of gen. func.: ogf

$$\frac{x (x^2 + 1)}{(x^2 + x + 1) (-1 + x)^2}$$

Sequence: A004396
Score: 17.4558
Type of gen. func.: lgdogf

$$2 x^4 + x^3 + 5 x^2 + 3 x + 1$$

$$-\frac{}{(-1 + x) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A004396
Score: 26.2219
Type of gen. func.: ogf_with_Euler_transform]

$$-x^3 + x^2 + x + 1$$

Sequence: A004396
Score: 7.05824
Type of gen. func.: ogf

$\{a(n + 4) - a(n + 3) - a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 2\}$

Sequence: A004396
Score: 8.42877
Type of gen. func.: ogf

$$-f(x) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x + f(x) - x)$$

Sequence: A004400
Score: 3.67776
Type of gen. func.: ogf

$$\{(-2 n^2 - 8 n - 8) a(n + 1) + (-14 - 5 n) a(n + 2) + (2 n^2 + 14 n + 26) a(n + 3) + (-4 - n) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 12\}$$

Sequence: A004402
Score: 9.82756
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^2 - x + 2}{x^3 + x^2 + x + 1}$$

Sequence: A004403
Score: 11.8744
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^2 - 2x + 4}{x^3 + x^2 + x + 1}$$

Sequence: A004406
Score: 9.40647
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{5x^2 - 5x + 10}{x^3 + x^2 + x + 1}$$

Sequence: A004411
Score: 10.6255
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-10x^2 + 10x - 20}{-x^3 - x^2 - x - 1}$$

Sequence: A004442
Score: 12.3910
Type of gen. func.: lgdogf

$$-\frac{2x^3 + 6x}{2x^4 - x^3 - x^2 + x - 1}$$

Sequence: A004442
Score: 13.8129
Type of gen. func.: ogf

$$2x^2 - x + 1$$

$$\frac{\quad}{(1 + x) (-1 + x)^{2}}$$

Sequence: A004442
Score: 22.4293
Type of gen. func.: lgdogf

$$- \frac{2 x (x^{2} + 3)}{(-1 + x) (1 + x) (2 x^{2} - x + 1)}$$

Sequence: A004442
Score: 7.32685
Type of gen. func.: ogf

$$-(f(x) - 2) (f(x) x^{3} - f(x) x^{2} - f(x) x - 2 x^{2} + f(x) + x - 1)$$

Sequence: A004442
Score: 7.59088
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 0, a(2) = 3\}$$

Sequence: A004443
Score: 10.3414
Type of gen. func.: lgdogf

$$- \frac{3 x^{5} - x^{4} - 6 x^{3} + 18 x^{2} - 9 x + 3}{(-1 + x) (3 x^{3} - 2 x^{2} - x + 2) (x^{2} + 1)}$$

Sequence: A004443
Score: 10.7406
Type of gen. func.: ogf

$$\frac{3 x^{3} - 2 x^{2} - x + 2}{(x^{2} + 1) (-1 + x)^{2}}$$

Sequence: A004443
Score: 4.24115
Type of gen. func.: ogf

$$\{(-n - 3)\, a(n + 1) + (n + 2)\, a(n + 2) + (-n - 3)\, a(n + 3) + (n + 2)\, a(n + 4),$$

$$a(0) = 2,\ a(1) = 3,\ a(2) = 0,\ a(3) = 1\}$$

Sequence: A004443
Score: 5.86541
Type of gen. func.: ogf

$$-(2 f(x) + 1)$$

$$(f(x)\, x^{4} - 2 f(x)\, x^{3} + 2 f(x)\, x^{2} - 3 x^{3} - 2 f(x)\, x + 2 x^{2} + f(x) + x - 2)$$

Sequence: A004444
Score: 8.75368
Type of gen. func.: ogf

$$\frac{4 x^{4} - x^{3} - x^{2} - x + 3}{(1 + x)\, (x^{2} + 1)\, (-1 + x)^{2}}$$

Sequence: A004444
Score: 9.19238
Type of gen. func.: lgdogf

$$- \frac{2\, (2 x^{7} + x^{6} - x^{4} + 14 x^{3} - x^{2} + 1)}{(-1 + x)\, (1 + x)\, (x^{2} + 1)\, (4 x^{4} - x^{3} - x^{2} - x + 3)}$$

Sequence: A004445
Score: 7.92980
Type of gen. func.: ogf

$$\frac{5 x^{5} - 4 x^{4} - 3 x + 4}{{}^{4} \qquad\qquad {}^{2}}$$

$$(x + 1) (-1 + x)$$

Sequence: A004445
Score: 8.70858
Type of gen. func.: lgdogf

$$-\frac{5 x^{9} - 3 x^{8} - 30 x^{5} + 66 x^{4} - 32 x^{3} - 3 x + 5}{(-1 + x) (5 x^{5} - 4 x^{4} - 3 x + 4) (x^{4} + 1)}$$

Sequence: A004446
Score: 5.76097
Type of gen. func.: ogf

$$\frac{6 x^{6} - x^{5} - 3 x^{4} - 2 x^{2} - x + 5}{(1 + x) (x^{4} + 1) (-1 + x)^{2}}$$

Sequence: A004446
Score: 6.01683
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^{11} + 2 x^{10} + x^{9} - 2 x^{8} - 14 x^{7} + 38 x^{5} - 17 x^{3} - 2 x^{2} + 5 x + 2)}{(-1 + x) (1 + x) (6 x^{6} - x^{5} - 3 x^{4} - 2 x^{2} - x + 5) (x^{4} + 1)}$$

Sequence: A004447
Score: 4.78038
Type of gen. func.: ogf

$$\frac{7 x^{7} - 6 x^{6} + 3 x^{5} - 2 x^{4} - x^{3} + 2 x^{2} - 5 x + 6}{(x^{2} + 1) (x^{4} + 1) (-1 + x)^{2}}$$

Sequence: A004448
Score: 9.77009
Type of gen. func.: ogf

$$\frac{8 x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x + 7}{(1 + x) (x^{2} + 1) (x^{4} + 1) (-1 + x)^{2}}$$

Sequence: A004449
Score: 8.17101
Type of gen. func.: lgdogf

$$- \frac{9 x^{17} - 7 x^{16} - 126 x^{9} + 258 x^{8} - 128 x^{7} - 7 x + 9}{(-1 + x) (9 x^{9} - 8 x^{8} - 7 x + 8) (x^{8} + 1)}$$

Sequence: A004449
Score: 9.43610
Type of gen. func.: ogf

$$\frac{9 x^{9} - 8 x^{8} - 7 x + 8}{(x^{8} + 1) (-1 + x)^{2}}$$

Sequence: A004450
Score: 5.42501
Type of gen. func.: lgdogf

$$- 2 (5 x^{19} + 4 x^{18} - x^{17} - 4 x^{16} - 62 x^{11} + 134 x^{9} - 64 x^{7} - 3 x^{3} - 4 x^{2} + 7 x + 4) / ((-1 + x) (1 + x) (10 x^{10} - x^{9} - 7 x^{8} - 6 x^{2} - x + 9) (x^{8} + 1))$$

Sequence: A004450
Score: 6.70665
Type of gen. func.: ogf

$$\frac{10 x^{10} - x^{9} - 7 x^{8} - 6 x^{2} - x + 9}{(1 + x) (x^{8} + 1) (-1 + x)^{2}}$$

Sequence: A004451
Score: 4.29320
Type of gen. func.: ogf

$$\frac{11 x^{11} - 10 x^{10} + 7 x^{9} - 6 x^{8} - 5 x^{3} + 6 x^{2} - 9 x + 10}{(x^{2} + 1) (x^{8} + 1) (-1 + x)^{2}}$$

Sequence: A004452
Score: 5.20196
Type of gen. func.: ogf

$$\frac{12 x^{12} - x^{11} - x^{10} - x^{9} - 5 x^{8} - 4 x^{4} - x^{3} - x^{2} - x + 11}{(1 + x) (x^{2} + 1) (x^{8} + 1) (-1 + x)^{2}}$$

Sequence: A004453
Score: 4.63717
Type of gen. func.: ogf

$$\frac{13 x^{13} - 12 x^{12} + 5 x^{9} - 4 x^{8} - 3 x^{5} + 4 x^{4} - 11 x + 12}{(x^{4} + 1) (x^{8} + 1) (-1 + x)^{2}}$$

Sequence: A004456
Score: 4.41035
Type of gen. func.: ogf

$$(16 x^{16} - x^{15} - x^{14} - x^{13} - x^{12} - x^{11} - x^{10} - x^{9} - x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x + 15) \Big/ ((1 + x) (x^{2} + 1) (x^{4} + 1) (x^{8} + 1) (-1 + x)^{2})$$

Sequence: A004457
Score: 9.62440
Type of gen. func.: lgdogf

$$-\frac{17 x^{33} - 15 x^{32} - 510 x^{17} + 1026 x^{16} - 512 x^{15} - 15 x + 17}{(-1 + x) (17 x^{17} - 16 x^{16} - 15 x + 16) (x^{16} + 1)}$$

Sequence: A004457
Score: 9.96697
Type of gen. func.: ogf

$$\frac{17 x^{17} - 16 x^{16} - 15 x + 16}{(x^{16} + 1) (-1 + x)^{2}}$$

Sequence: A004458
Score: 6.33988
Type of gen. func.: ogf

$$\frac{18 x^{18} - x^{17} - 15 x^{16} - 14 x^{2} - x + 17}{(1 + x) (x^{16} + 1) (-1 + x)^{2}}$$

Sequence: A004459
Score: 4.88858
Type of gen. func.: ogf

$$\frac{19 x^{19} - 18 x^{18} + 15 x^{17} - 14 x^{16} - 13 x^{3} + 14 x^{2} - 17 x + 18}{(x^{2} + 1) (x^{16} + 1) (-1 + x)^{2}}$$

Sequence: A004460
Score: 5.00929
Type of gen. func.: ogf

$$\frac{20 x^{20} - x^{19} - x^{18} - x^{17} - 13 x^{16} - 12 x^{4} - x^{3} - x^{2} - x + 19}{(1 + x) (x^{2} + 1) (x^{16} + 1) (-1 + x)^{2}}$$

Sequence: A004461
Score: 4.43445
Type of gen. func.: ogf

21   20   17   16   5   4

```
         21 x   - 20 x   + 13 x   - 12 x   - 11 x  + 12 x  - 19 x + 20
         -------------------------------------------------------------
                           4        16              2
                         (x  + 1) (x   + 1) (-1 + x)
```

Sequence: A004465
Score: 4.50836
Type of gen. func.: ogf

```
               25       24      17      16      9      8
           25 x   - 24 x   + 9 x   - 8 x   - 7 x  + 8 x  - 23 x + 24
           ---------------------------------------------------------
                           8        16              2
                         (x  + 1) (x   + 1) (-1 + x)
```

Sequence: A004466
Score: 17.2706
Type of gen. func.: lgdogf

```
                                    2
                                2 (x  + 13 x + 6)
                           - -----------------------
                                           2
                             (-1 + x) (x  + 8 x + 1)
```

Sequence: A004466
Score: 4.08747
Type of gen. func.: ogf

```
-(380 f(x) + 1219)

           4            3            2    3                 2
    (f(x) x  - 4 f(x) x  + 6 f(x) x  - x  - 4 f(x) x - 8 x  + f(x) - x)
```

Sequence: A004466
Score: 7.95097
Type of gen. func.: ogf

```
                                    2
                                x (x  + 8 x + 1)
                                ----------------
                                           4
                                   (-1 + x)
```

Sequence: A004466
Score: 8.79426
Type of gen. func.: lgdogf

$$-\frac{2x^2+26x+12}{x^3+7x^2-7x-1}$$

Sequence: A004467
Score: 16.8655
Type of gen. func.: lgdogf

$$-\frac{2x^2+29x+13}{(-1+x)(x^2+9x+1)}$$

Sequence: A004467
Score: 4.11209
Type of gen. func.: ogf

-(385 f(x) + 1387)

$$(f(x)\,x^4-4f(x)\,x^3+6f(x)\,x^2-x^3-4f(x)\,x-9x^2+f(x)-x)$$

Sequence: A004467
Score: 7.99886
Type of gen. func.: ogf

$$\frac{x(x^2+9x+1)}{(-1+x)^4}$$

Sequence: A004467
Score: 8.84723
Type of gen. func.: lgdogf

$$-\frac{2x^2+29x+13}{x^3+8x^2-8x-1}$$

Sequence: A004482
Score: 10.6468
Type of gen. func.: ogf

$$\frac{3 x^3 - 2 x^2 + x + 1}{(x^2 + x + 1) (-1 + x)^2}$$

Sequence: A004482
Score: 11.1115
Type of gen. func.: lgdogf

$$- \frac{3 x^5 - x^4 + 4 x^3 + 12 x^2 - 2 x + 2}{(-1 + x)^2 (x^2 + x + 1) (3 x^3 - 2 x^2 + x + 1)}$$

Sequence: A004482
Score: 4.50693
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 1) - a(n + 2) - a(n + 3) + (n + 2) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 0, a(3) = 4\}$$

Sequence: A004482
Score: 6.02156
Type of gen. func.: ogf

$$(51 f(x) + 226) (f(x) x^4 - f(x) x^3 - 3 x^3 - f(x) x + 2 x^2 + f(x) - x - 1)$$

Sequence: A004483
Score: 12.2114
Type of gen. func.: ogf

$$\frac{2 x^3 + x^2 - 2 x + 2}{(x^2 + x + 1) (-1 + x)^2}$$

Sequence: A004483

Score: 13.1728
Type of gen. func.: lgdogf

```
                              4      3      2
                        x (2 x  + 4 x  - 3 x  + 13 x + 2)
                 - ---------------------------------------------
                              2              3    2
                   (-1 + x) (x  + x + 1) (2 x  + x  - 2 x + 2)
```

Sequence: A004483
Score: 5.16925
Type of gen. func.: ogf

```
{(n + 3) a(n + 1) + a(n + 2) + a(n + 3) + (-n - 2) a(n + 4), a(0) = 2, a(1) = 0,

    a(2) = 1, a(3) = 5}
```

Sequence: A004483
Score: 7.02156
Type of gen. func.: ogf

```
                         4         3      3             2
    (7 f(x) + 19) (f(x) x  - f(x) x  - 2 x  - f(x) x - x  + f(x) + 2 x - 2)
```

Sequence: A004484
Score: 5.03171
Type of gen. func.: ogf

```
    14       13      12     11     9      7      6      5      4    3    2
(4 x   - 12 x   + 7 x   + x   + x  + 7 x  - 2 x  - 2 x  - 4 x  + x  + x  + x

            /            2             2                  2
     + 3)  /  ((1 + x) (x  + x + 1) (x  - x + 1) (-1 + x) )
          /
```

Sequence: A004492
Score: 5.17072
Type of gen. func.: lgdogf

```
      13      12       10       9       8       7        6       5      4
- (7 x   - 5 x   - 22 x   + 53 x  - 27 x  - 51 x  + 111 x  - 54 x  - 4 x

          3             /             6    3
     + 8 x  - 2 x + 4)  /  ((-1 + x) (x  + x  + 1)
                       /

        7      6      4      3
    (7 x  - 6 x  - 2 x  + 3 x  - 2 x + 3))
```

Sequence: A004492
Score: 5.39226
Type of gen. func.: ogf

$$\frac{7 x^7 - 6 x^6 - 2 x^4 + 3 x^3 - 2 x + 3}{(x^6 + x^3 + 1) (-1 + x)^2}$$

Sequence: A004493
Score: 5.71214
Type of gen. func.: ogf

$$\frac{9 x^9 - 2 x^8 + x^7 - 5 x^6 - 2 x^5 + x^4 + 4 x^3 - 2 x^2 + x + 4}{(x^2 + x + 1) (x^6 + x^3 + 1) (-1 + x)^2}$$

Sequence: A004494
Score: 5.71214
Type of gen. func.: ogf

$$\frac{8 x^9 + x^8 - 2 x^7 - 5 x^6 + x^5 - 2 x^4 + 4 x^3 + x^2 - 2 x + 5}{(x^2 + x + 1) (x^6 + x^3 + 1) (-1 + x)^2}$$

Sequence: A004495
Score: 5.17072
Type of gen. func.: lgdogf

$$- (4 x^{13} - 2 x^{12} + 8 x^{10} - 4 x^9 - 51 x^7 + 111 x^6 - 54 x^5 - 28 x^4 + 59 x^3 - 27 x^2 - 5 x + 7) \Big/ ((-1 + x) (4 x^7 - 3 x^6 + 4 x^4 - 3 x^3 - 5 x + 6) (x^6 + x^3 + 1))$$

Sequence: A004495
Score: 5.39226
Type of gen. func.: ogf

$$\frac{4 x^{7} - 3 x^{6} + 4 x^{4} - 3 x^{3} - 5 x + 6}{(x^{6} + x^{3} + 1) (-1 + x)^{2}}$$

Sequence: A004496
Score: 5.71214
Type of gen. func.: ogf

$$\frac{6 x^{9} - 2 x^{8} + x^{7} + 4 x^{6} - 2 x^{5} + x^{4} - 5 x^{3} - 2 x^{2} + x + 7}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (-1 + x)^{2}}$$

Sequence: A004497
Score: 5.71214
Type of gen. func.: ogf

$$\frac{5 x^{9} + x^{8} - 2 x^{7} + 4 x^{6} + x^{5} - 2 x^{4} - 5 x^{3} + x^{2} - 2 x + 8}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (-1 + x)^{2}}$$

Sequence: A004498
Score: 4.99284
Type of gen. func.: ogf

$$\frac{19 x^{19} - 18 x^{18} - 8 x^{10} + 9 x^{9} - 8 x + 9}{(x^{18} + x^{9} + 1) (-1 + x)^{2}}$$

Sequence: A004507
Score: 4.91995
Type of gen. func.: ogf

$$\frac{10 x^{19} - 9 x^{18} + 10 x^{10} - 9 x^{9} - 17 x + 18}{(x^{18} + x^{9} + 1) (-1 + x)^{2}}$$

Sequence: A004521
Score: 5.12100
Type of gen. func.: ogf

$$x\left(13x^{10}+2x^{9}+2x^{8}+2x^{7}+2x^{6}-9x^{5}+2x^{4}+2x^{3}+2x^{2}+2x+2\right)\Big/\left(\left(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1\right)(-1+x)^{2}\right)$$

Sequence: A004522
Score: 7.41226
Type of gen. func.: lgdogf

$$-\frac{2\left(7x^{12}-9x^{11}+3x^{10}-10x^{6}+27x^{5}-15x^{4}+1\right)}{(-1+x)\left(x^{2}+1\right)\left(7x^{6}-6x^{5}+1\right)\left(x^{4}-x^{2}+1\right)}$$

Sequence: A004522
Score: 8.13481
Type of gen. func.: ogf

$$\frac{2x\left(7x^{6}-6x^{5}+1\right)}{\left(x^{2}+1\right)\left(x^{4}-x^{2}+1\right)(-1+x)^{2}}$$

Sequence: A004523
Score: 11.5654
Type of gen. func.: lgdogf

$$-\frac{-3x^{3}-5x^{2}-2x-2}{-x^{4}-x^{3}+x+1}$$

Sequence: A004523
Score: 13.6509
Type of gen. func.: ogf

$$\frac{x^{2}(1+x)}{\left(x^{2}+x+1\right)(-1+x)^{2}}$$

Sequence: A004523
Score: 19.6240
Type of gen. func.: lgdogf

$$-\frac{3 x^{3} + 5 x^{2} + 2 x + 2}{(-1 + x) (1 + x) (x^{2} + x + 1)}$$

Sequence: A004523
Score: 33.1954
Type of gen. func.: ogf_with_Euler_transform]

$$x^{2} - x + 2$$

Sequence: A004523
Score: 5.14016
Type of gen. func.: ogf

$$\{(2 n + 5) a(n + 1) + 2 a(n + 2) + 2 a(n + 3) + (-2 n - 3) a(n + 4), a(0) = 0,$$
$$a(1) = 0, a(2) = 1, a(3) = 2\}$$

Sequence: A004523
Score: 9.35624
Type of gen. func.: ogf

$$f(x) x^{4} - f(x) x^{3} - x^{3} - f(x) x - x^{2} + f(x)$$

Sequence: A004524
Score: 14.0749
Type of gen. func.: lgdogf

$$-\frac{-4 x^{2} + 2 x - 2}{-x^{3} + x^{2} - x + 1}$$

Sequence: A004524
Score: 18.3835
Type of gen. func.: ogf

$$\frac{x^{3}}{(x^{2} + 1)\,(-1 + x)^{2}}$$

Sequence: A004524
Score: 30.9668
Type of gen. func.: ogf_with_Euler_transform]

$$[x^{3} - x + 2]$$

Sequence: A004524
Score: 32.0165
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^{2} - x + 1)}{(x^{2} + 1)\,(-1 + x)}$$

Sequence: A004524
Score: 4.66732
Type of gen. func.: ogf

{(-n - 2) a(n + 1) + (n + 1) a(n + 2) + (-n - 2) a(n + 3) + (n + 1) a(n + 4),

a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1}

Sequence: A004524
Score: 9.09891
Type of gen. func.: ogf

$$-f(x)\,x^{4} + 2\,f(x)\,x^{3} - 2\,f(x)\,x^{2} + x^{3} + 2\,f(x)\,x - f(x)$$

Sequence: A004525
Score: 12.4583
Type of gen. func.: ogf

$$\frac{x (x^2 - x + 1)}{(x^2 + 1) (-1 + x)^2}$$

Sequence: A004525
Score: 18.6763
Type of gen. func.: lgdogf

$$- \frac{2 x^4 - 3 x^3 + 5 x^2 - x + 1}{(-1 + x) (x^2 + 1) (x^2 - x + 1)}$$

Sequence: A004525
Score: 22.1140
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^5 + x^3 + x^2 + 1]$$

Sequence: A004525
Score: 4.66386
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 1) + (n + 2) a(n + 2) + (-n - 3) a(n + 3) + (n + 2) a(n + 4),$$
$$a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 1\}$$

Sequence: A004525
Score: 6.838
Type of gen. func.: ogf

$$(f(x) + 1) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - x^3 - 2 f(x) x + x^2 + f(x) - x)$$

Sequence: A004525
Score: 9.47347
Type of gen. func.: lgdogf

$$-2 x^4 + 3 x^3 - 5 x^2 + x - 1$$

$$-\frac{}{-x^5 + 2x^4 - 3x^3 + 3x^2 - 2x + 1}$$

Sequence: A004526
Score: 10.7867
Type of gen. func.: ogf

$$f(x)\,x^3 - f(x)\,x^2 - f(x)\,x - x^2 + f(x)$$

Sequence: A004526
Score: 19.8574
Type of gen. func.: lgdogf

$$-\frac{-3x - 1}{-x^2 + 1}$$

Sequence: A004526
Score: 21.3104
Type of gen. func.: ogf

$$\frac{x^2}{(1 + x)(-1 + x)^2}$$

Sequence: A004526
Score: 41.4744
Type of gen. func.: ogf_with_Euler_transform]

$$[1 + x]$$

Sequence: A004526
Score: 43.2559
Type of gen. func.: lgdogf

$$-\frac{1 + 3x}{(-1 + x)(1 + x)}$$

Sequence: A004526
Score: 7.94296
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A004538
Score: 10.3300
Type of gen. func.: ogf

$$\frac{x^2 - 8 x + 1}{(-1 + x)^3}$$

Sequence: A004538
Score: 19.3482
Type of gen. func.: lgdogf

$$- \frac{x^2 - 14 x - 5}{(-1 + x) (x^2 - 8 x + 1)}$$

Sequence: A004538
Score: 5.52748
Type of gen. func.: ogf

$$(31 f(x) - 140) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 8 x - 1)$$

Sequence: A004538
Score: 5.57639
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = -1, a(1) = 5, a(2) = 17\}$$

Sequence: A004538
Score: 9.69434
Type of gen. func.: lgdogf

$$-\frac{x^2 - 14 x - 5}{x^3 - 9 x^2 + 9 x - 1}$$

Sequence: A004643
Score: 13.8472
Type of gen. func.: ogf

$$-\frac{2 x + 1}{10 x^2 - 1}$$

Sequence: A004643
Score: 15.3749
Type of gen. func.: lgdogf

$$-\frac{2 (10 x^2 + 10 x + 1)}{(2 x + 1) (10 x^2 - 1)}$$

Sequence: A004643
Score: 15.3749
Type of gen. func.: revogf

$$\frac{-1 + (40 x^2 + 8 x + 1)^{1/2}}{4 (1 + 5 x)}$$

Sequence: A004643
Score: 8.30834
Type of gen. func.: ogf

$$(35 f(x) - 31) (10 f(x) x^2 - f(x) + 2 x + 1)$$

Sequence: A004643
Score: 8.55269
Type of gen. func.: lgdogf

2

$$-\frac{-20 x - 20 x - 2}{-20 x^3 - 10 x^2 + 2 x + 1}$$

Sequence: A004643
Score: 8.94743
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A004647
Score: 10.2346
Type of gen. func.: lgdogf

$$-\frac{2 (20 x^4 + 20 x^3 + 15 x^2 + 4 x + 1)}{(4 x^2 + 2 x + 1) (10 x^3 - 1)}$$

Sequence: A004647
Score: 11.7293
Type of gen. func.: ogf

$$-\frac{4 x^2 + 2 x + 1}{10 x^3 - 1}$$

Sequence: A004647
Score: 7.61645
Type of gen. func.: ogf

$$\{a(n + 3) - 10 a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A004647
Score: 7.71668
Type of gen. func.: ogf

$$(5 f(x) - 3) (10 f(x) x^3 + 4 x^2 - f(x) + 2 x + 1)$$

Sequence: A004652
Score: 11.6738
Type of gen. func.: lgdogf

$$-\frac{-2 x^3 + x^2 - 4 x - 1}{-x^4 + x^3 - x + 1}$$

Sequence: A004652
Score: 12.9309
Type of gen. func.: ogf

$$-\frac{x (x^2 - x + 1)}{(1 + x) (-1 + x)^3}$$

Sequence: A004652
Score: 20.7082
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - x^2 + 4 x + 1}{(-1 + x) (1 + x) (x^2 - x + 1)}$$

Sequence: A004652
Score: 25.3609
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^2 + 2 x + 1$$

Sequence: A004652
Score: 7.00426
Type of gen. func.: ogf

$$-(23 f(x) - 3) (f(x) x^4 - 2 f(x) x^3 + x^3 + 2 f(x) x - x^2 - f(x) + x)$$

Sequence: A004655
Score: 10.6960
Type of gen. func.: ogf

$$-\frac{(2 x + 1) (4 x^2 + 1)}{10 x^4 - 1}$$

Sequence: A004655
Score: 6.97042
Type of gen. func.: ogf

$$\{-a(n + 4) + 10 a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8\}$$

Sequence: A004655
Score: 7.75458
Type of gen. func.: ogf

$$-f(x) (10 f(x) x^4 + 8 x^3 + 4 x^2 - f(x) + 2 x + 1)$$

Sequence: A004655
Score: 8.19601
Type of gen. func.: lgdogf

$$-\frac{2 (40 x^6 + 40 x^5 + 30 x^4 + 20 x^3 + 12 x^2 + 4 x + 1)}{(2 x + 1) (4 x^2 + 1) (10 x^4 - 1)}$$

Sequence: A004657
Score: 12.7322
Type of gen. func.: ogf_with_Euler_transform]

$$-x^7 - x^5 + 2 x^3 + x^2 + 2 x + 1$$

Sequence: A004657
Score: 5.76082
Type of gen. func.: ogf

2 4

$$\frac{(x - x + 1) (x + 1)}{(x^2 + 1) (1 + x)^2 (-1 + x)^4}$$

Sequence: A004657
Score: 7.47534
Type of gen. func.: lgdogf

$$- \frac{2 x^9 - x^8 + 6 x^7 + 14 x^5 - 8 x^4 + 14 x^3 + 4 x + 1}{(-1 + x) (1 + x) (x^2 + 1) (x^2 - x + 1) (x^4 + 1)}$$

Sequence: A004663
Score: 10.8522
Type of gen. func.: ogf

$$-(20 f(x) - 11) (10 f(x) x^2 - f(x) + 3 x + 1)$$

Sequence: A004663
Score: 12.1044
Type of gen. func.: revegf]

$$-1/10\ 10^{1/2} (\operatorname{arcsinh}(3) - \operatorname{arcsinh}(3 + 10 x))$$

Sequence: A004663
Score: 12.6913
Type of gen. func.: ogf

$$- \frac{1 + 3 x}{10 x^2 - 1}$$

Sequence: A004663
Score: 14.8712
Type of gen. func.: lgdogf

$$- \frac{30 x^2 + 20 x + 3}{\quad ^{2}}$$

$$(1 + 3 x) (10 x - 1)$$

Sequence: A004663
Score: 7.83872
Type of gen. func.: lgdogf

$$- \frac{-30 x^{2} - 20 x - 3}{-30 x^{3} - 10 x^{2} + 3 x + 1}$$

Sequence: A004663
Score: 8.20051
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A004669
Score: 10.2346
Type of gen. func.: lgdogf

$$- \frac{3 (30 x^{4} + 20 x^{3} + 10 x^{2} + 6 x + 1)}{(10 x^{3} - 1) (9 x^{2} + 3 x + 1)}$$

Sequence: A004669
Score: 11.7293
Type of gen. func.: ogf

$$- \frac{9 x^{2} + 3 x + 1}{10 x^{3} - 1}$$

Sequence: A004669
Score: 7.61645
Type of gen. func.: ogf

$$\{a(n + 3) - 10 a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A004669
Score: 7.61647
Type of gen. func.: ogf

$$(20 f(x) + 7) (10 f(x) x^3 + 9 x^2 - f(x) + 3 x + 1)$$

Sequence: A004675
Score: 8.14992
Type of gen. func.: ogf

$$(f(x) - 1)^2 (-6218175600 x^4 + f(x) - 1)$$

Sequence: A004695
Score: 15.1108
Type of gen. func.: ogf

$$\frac{x^3}{(-1 + x) (x^2 + x + 1) (x^2 + x - 1)}$$

Sequence: A004695
Score: 16.1803
Type of gen. func.: lgdogf

$$-\frac{5 x^4 + 4 x^3 - 3 x^2 - 2 x - 1}{(-1 + x) (x^2 + x + 1) (x^2 + x - 1)}$$

Sequence: A004695
Score: 7.36167
Type of gen. func.: ogf

$$-f(x) x^5 - f(x) x^4 + f(x) x^3 + f(x) x^2 + x^3 + f(x) x - f(x)$$

Sequence: A004695
Score: 8.97203
Type of gen. func.: lgdogf

$$-\frac{-5x^4 - 4x^3 + 3x^2 + 2x + 1}{-x^5 - x^4 + x^3 + x^2 + x - 1}$$

Sequence: A004696
Score: 7.44437
Type of gen. func.: ogf

$$\frac{x^4 (x^4 + x^3 + 1)}{(-1 + x) (1 + x) (x^2 + 1) (x^2 + x - 1) (x^4 + 1)}$$

Sequence: A004697
Score: 9.06762
Type of gen. func.: lgdogf

$$-\frac{7x^6 - 5x^4 + 4x^3 - 3x^2 + 2x - 2}{(-1 + x) (x^2 + x + 1) (x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A004697
Score: 9.56966
Type of gen. func.: ogf

$$\frac{x^5}{(-1 + x) (x^2 + x + 1) (x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A004766
Score: 16.8561
Type of gen. func.: lgdogf

$$-\frac{-x + 9}{-x^2 + 6x - 5}$$

Sequence: A004766
Score: 17.9799
Type of gen. func.: ogf

$$-\frac{x - 5}{(-1 + x)^2}$$

Sequence: A004766
Score: 22.6570
Type of gen. func.: revogf

$$-\frac{-5 - 2 x + (25 + 16 x)^{1/2}}{2 (1 + x)}$$

Sequence: A004766
Score: 41.7365
Type of gen. func.: lgdogf

$$-\frac{-9 + x}{(-1 + x) (x - 5)}$$

Sequence: A004766
Score: 9.40809
Type of gen. func.: ogf

$$(8 f(x) + 41) (f(x) x^2 - 2 f(x) x + f(x) + x - 5)$$

Sequence: A004766
Score: 9.86701
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 5, a(1) = 9\}$$

Sequence: A004767
Score: 16.7723
Type of gen. func.: lgdogf

```
    x + 7
- ------------
```

$$x^2 + 2 x - 3$$

Sequence: A004767
Score: 17.8904
Type of gen. func.: ogf

$$\frac{x + 3}{(-1 + x)^2}$$

Sequence: A004767
Score: 22.5420
Type of gen. func.: revogf

$$-\frac{-3 - 2 x + (9 + 16 x)^{1/2}}{2 (-1 + x)}$$

Sequence: A004767
Score: 43.8316
Type of gen. func.: lgdogf

$$-\frac{x + 7}{(x + 3) (-1 + x)}$$

Sequence: A004767
Score: 9.36128
Type of gen. func.: ogf

$$(8 f(x) + 25) (f(x) x^2 - 2 f(x) x + f(x) - x - 3)$$

Sequence: A004767
Score: 9.81793
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 3, a(1) = 7\}$$

Sequence: A004768
Score: 10.9312
Type of gen. func.: ogf

$$(16 f(x) + 145) (f(x) x^2 - 2 f(x) x + f(x) + x - 9)$$

Sequence: A004768
Score: 11.5897
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 9, a(1) = 17\}$$

Sequence: A004768
Score: 19.2389
Type of gen. func.: lgdogf

$$-\frac{-x + 17}{-x^2 + 10 x - 9}$$

Sequence: A004768
Score: 21.3765
Type of gen. func.: ogf

$$-\frac{-9 + x}{(-1 + x)^2}$$

Sequence: A004768
Score: 27.0143
Type of gen. func.: revogf

$$-\frac{-9 - 2 x + (81 + 32 x)^{1/2}}{2 (1 + x)}$$

Sequence: A004768
Score: 45.0238
Type of gen. func.: lgdogf

$$-17 + x$$

```
                              - -----------------
                                (-1 + x) (-9 + x)



------------------------------------------------------------------------------

Sequence:  A004769
Score: 10.8546
Type of gen. func.: ogf


                                    2
             (16 f(x) + 185) (f(x) x  - 2 f(x) x + f(x) + 3 x - 11)



------------------------------------------------------------------------------

Sequence:  A004769
Score: 11.5006
Type of gen. func.: ogf


             {-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 11, a(1) = 19}



------------------------------------------------------------------------------

Sequence:  A004769
Score: 18.9422
Type of gen. func.: lgdogf


                                    -3 x + 19
                              - -----------------
                                    2
                                -3 x  + 14 x - 11



------------------------------------------------------------------------------

Sequence:  A004769
Score: 21.0012
Type of gen. func.: ogf


                                    3 x - 11
                                  - ---------
                                            2
                                    (-1 + x)



------------------------------------------------------------------------------

Sequence:  A004769
Score: 25.6652
Type of gen. func.: revogf


                                                   1/2
                           -11 - 2 x + (121 + 32 x)
                         - ---------------------------
                                    2 (x + 3)



------------------------------------------------------------------------------
```

Sequence: A004769
Score: 37.9844
Type of gen. func.: lgdogf

$$-\frac{-19 + 3 x}{(-1 + x) (3 x - 11)}$$

Sequence: A004770
Score: 16.7700
Type of gen. func.: lgdogf

$$-\frac{3 x + 13}{3 x^2 + 2 x - 5}$$

Sequence: A004770
Score: 18.2607
Type of gen. func.: ogf

$$\frac{3 x + 5}{(-1 + x)^2}$$

Sequence: A004770
Score: 22.3826
Type of gen. func.: revogf

$$-\frac{-5 - 2 x + (25 + 32 x)^{1/2}}{2 (-3 + x)}$$

Sequence: A004770
Score: 35.0337
Type of gen. func.: lgdogf

$$-\frac{3 x + 13}{(3 x + 5) (-1 + x)}$$

Sequence: A004770
Score: 9.44518

Type of gen. func.: ogf

$$(16 f(x) + 89) (f(x) x^2 - 2 f(x) x + f(x) - 3 x - 5)$$

Sequence: A004770
Score: 9.90036
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 5, a(1) = 13\}$$

Sequence: A004771
Score: 16.7700
Type of gen. func.: lgdogf

$$- \frac{x + 15}{x^2 + 6 x - 7}$$

Sequence: A004771
Score: 18.2607
Type of gen. func.: ogf

$$\frac{x + 7}{(-1 + x)^2}$$

Sequence: A004771
Score: 22.3826
Type of gen. func.: revogf

$$- \frac{-7 - 2 x + (49 + 32 x)^{1/2}}{2 (-1 + x)}$$

Sequence: A004771
Score: 42.4092
Type of gen. func.: lgdogf

$$- \frac{x + 15}{(x + 7) (-1 + x)}$$

Sequence: A004771
Score: 9.33785
Type of gen. func.: ogf

$$(16 f(x) + 113) (f(x) x^2 - 2 f(x) x + f(x) - x - 7)$$

Sequence: A004771
Score: 9.90036
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 7, a(1) = 15\}$$

Sequence: A004772
Score: 12.9182
Type of gen. func.: ogf

$$\frac{x (x^2 + x + 2)}{(x^2 + x + 1) (-1 + x)^2}$$

Sequence: A004772
Score: 15.6042
Type of gen. func.: lgdogf

$$- \frac{2 x^4 + 4 x^3 + 10 x^2 + 5 x + 3}{(-1 + x) (x^2 + x + 1) (x^2 + x + 2)}$$

Sequence: A004772
Score: 5.12001
Type of gen. func.: ogf

$$\{(4 n + 13) a(n + 1) + 4 a(n + 2) + 4 a(n + 3) + (-4 n - 9) a(n + 4), a(0) = 0,$$
$$a(1) = 2, a(2) = 3, a(3) = 4\}$$

Sequence: A004772
Score: 6.93952
Type of gen. func.: ogf

$$-(56 f(x) + 15) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - x^2 + f(x) - 2 x)$$

Sequence: A004772
Score: 8.65652
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 4 x^3 + 10 x^2 + 5 x + 3}{x^5 + x^4 + 2 x^3 - x^2 - x - 2}$$

Sequence: A004773
Score: 13.0932
Type of gen. func.: ogf

$$\frac{x (2 x^2 + x + 1)}{(x^2 + x + 1) (-1 + x)^2}$$

Sequence: A004773
Score: 15.5251
Type of gen. func.: lgdogf

$$-\frac{4 x^4 + 5 x^3 + 7 x^2 + 6 x + 2}{(-1 + x) (x^2 + x + 1) (2 x^2 + x + 1)}$$

Sequence: A004773
Score: 5.18937
Type of gen. func.: ogf

$$\{(-4 n - 11) a(n + 1) - 4 a(n + 2) - 4 a(n + 3) + (4 n + 7) a(n + 4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 4\}$$

Sequence: A004773

Score: 7.33668
Type of gen. func.: ogf

$$(5 f(x) + 16) (f(x) x^4 - f(x) x^3 - 2 x^3 - f(x) x - x^2 + f(x) - x)$$

Sequence: A004773
Score: 8.86517
Type of gen. func.: lgdogf

$$- \frac{-4 x^4 - 5 x^3 - 7 x^2 - 6 x - 2}{-2 x^5 - x^4 - x^3 + 2 x^2 + x + 1}$$

Sequence: A004774
Score: 8.06497
Type of gen. func.: ogf

$$\frac{x (x^8 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (-1 + x)^2}$$

Sequence: A004775
Score: 7.94894
Type of gen. func.: ogf

$$\frac{x (x^{10} + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (-1 + x)^2}$$

Sequence: A004776
Score: 8.73012
Type of gen. func.: ogf

$$\frac{x (x^6 + x^5 + 2 x^4 + x^3 + x^2 + x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (-1 + x)^2}$$

Sequence: A004777
Score: 8.73012
Type of gen. func.: ogf

$$\frac{x\,(2\,x^6+x^5+x^4+x^3+x^2+x+1)}{(x^6+x^5+x^4+x^3+x^2+x+1)\,(-1+x)^2}$$

Sequence: A004797
Score: 22.0976
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4+2\,x}{-x-1}$$

Sequence: A004798
Score: 12.2047
Type of gen. func.: ogf

$$\frac{(1+x)^2}{(x^2+x-1)^2}$$

Sequence: A004798
Score: 14.0354
Type of gen. func.: lgdogf

$$-\frac{-2\,x^2-4\,x-4}{-x^3-2\,x^2+1}$$

Sequence: A004798
Score: 27.5931
Type of gen. func.: lgdogf

$$-\frac{2\,(x^2+2\,x+2)}{(1+x)\,(x^2+x-1)}$$

Sequence: A004798
Score: 4.62707
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + 4 a(n + 3) + (8 + 2 n) a(n + 2) + (n + 3) a(n + 1),$$

$$a(0) = 1, a(1) = 4, a(2) = 10, a(3) = 22\}$$

Sequence: A004798
Score: 6.28453
Type of gen. func.: ogf

$$-(25 f(x) + 1) (f(x) x^4 + 2 f(x) x^3 - f(x) x^2 - 2 f(x) x - x^2 + f(x) - 2 x - 1)$$

Sequence: A004799
Score: 10.1963
Type of gen. func.: ogf

$$\frac{(2 x + 1)^2}{(x^2 + x - 1)^2}$$

Sequence: A004799
Score: 10.9929
Type of gen. func.: lgdogf

$$- \frac{-4 x^2 - 4 x - 6}{-2 x^3 - 3 x^2 + x + 1}$$

Sequence: A004799
Score: 20.2848
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^2 + 2 x + 3)}{(2 x + 1) (x^2 + x - 1)}$$

Sequence: A004799
Score: 3.53540
Type of gen. func.: ogf

```
{(-n - 4) a(n + 4) + (3 - n) a(n + 3) + (10 + 3 n) a(n + 2)

     + (6 + 2 n) a(n + 1), a(0) = 1, a(1) = 6, a(2) = 17, a(3) = 38}
```

Sequence: A004799
Score: 5.37057
Type of gen. func.: ogf

```
(35 f(x) + 26)

           4           3         2                 2
    (f(x) x  + 2 f(x) x  - f(x) x  - 2 f(x) x - 4 x  + f(x) - 4 x - 1)
```

Sequence: A004812
Score: 5.10326
Type of gen. func.: ogf

```
                    14              13          12
         190270091 x   - 185971319 x   + 51024 x   - 4204749 x - 49908
         -------------------------------------------------------------
                                 12                 2
                          (4252 x   - 4159) (-1 + x)
```

Sequence: A004822
Score: 4.97848
Type of gen. func.: ogf

```
                    13              12          11
        1012228988 x   - 998540960 x   + 73953 x   - 13506824 x - 72974
        ---------------------------------------------------------------
                                 11                 2
                          (6723 x   - 6634) (-1 + x)
```

Sequence: A004823
Score: 4.98835
Type of gen. func.: ogf

```
                    14              13          12
         985251575 x   - 971751385 x   + 79608 x   - 13319075 x - 78540
         --------------------------------------------------------------
                                 12                 2
                          (6634 x   - 6545) (-1 + x)
```

Sequence: A004830
Score: 11.4243
Type of gen. func.: ogf

```
      2             21    19    18    16    15    13    12    10    9    7    6
- x (x  - x + 1) (x   - x   - x   + x   + x   - x   - x   + x   + x  - x  - x

        4    3             /          2
     + x  + x  - x - 1)  /  (-1 + x)
                        /
```

Sequence: A004830
Score: 6.07203
Type of gen. func.: lgdogf

```
     23        22        21         /             2            21    19    18
(21 x   - 43 x   + 22 x   + 2)  /  ((-1 + x) (x  - x + 1) (x   - x   - x
                               /

        16    15    13    12    10    9    7    6    4    3
     + x   + x   - x   - x   + x   + x  - x  - x  + x  + x  - x - 1))
```

Sequence: A004919
Score: 6.16229
Type of gen. func.: ogf

```
                  7      6      5      4      3      2
              x (x  + 6 x  + 7 x  + 7 x  + 7 x  + 7 x  + 7 x + 6)
              ---------------------------------------------------
                   6    5    4    3    2                  2
                  (x  + x  + x  + x  + x  + x + 1) (-1 + x)
```

Sequence: A004920
Score: 4.25450
Type of gen. func.: ogf

```
    11        10        9       8       7       6       5       4       3       2
x (x   + 11 x   + 11 x  + 11 x  + 11 x  + 11 x  + 11 x  + 11 x  + 11 x  + 11 x

                    /    10    9    8    7    6    5    4    3    2
     + 11 x + 11)  /  ((x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1)
                  /

            2
    (-1 + x)  )
```

Sequence: A004923
Score: 12.2837
Type of gen. func.: lgdogf

$$-\frac{x + 93}{x^2 + 45 x - 46}$$

Sequence: A004923
Score: 12.5294
Type of gen. func.: ogf

$$\frac{x (x + 46)}{(-1 + x)^2}$$

Sequence: A004923
Score: 19.2337
Type of gen. func.: revogf

$$-\frac{-23 - x + (529 + 47 x)^{1/2}}{-1 + x}$$

Sequence: A004923
Score: 30.7739
Type of gen. func.: lgdogf

$$-\frac{x + 93}{(x + 46) (-1 + x)}$$

Sequence: A004923
Score: 6.08222
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n + 1), a(0) = 0, a(1) = 46, a(2) = 93\}$$

Sequence: A004923
Score: 7.28452
Type of gen. func.: ogf

$$-f(x) (f(x) x^2 - 2 f(x) x - x^2 + f(x) - 46 x)$$

Sequence: A004924
Score: 10.2309
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 76 x$$

Sequence: A004924
Score: 16.1541
Type of gen. func.: ogf

$$\frac{76 x}{(-1 + x)^2}$$

Sequence: A004924
Score: 21.5366
Type of gen. func.: revogf

$$\frac{19 x}{(19 + (361 + 19 x)^{1/2})^2}$$

Sequence: A004924
Score: 21.9234
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A004924
Score: 7.48605
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 76\}$$

Sequence: A004924
Score: 75.3780
Type of gen. func.: lgdogf

$$-\frac{2}{-1 + x}$$

Sequence: A004925
Score: 10.9294
Type of gen. func.: lgdogf

$$-\frac{x + 245}{x^2 + 121 x - 122}$$

Sequence: A004925
Score: 11.5723
Type of gen. func.: ogf

$$\frac{x (x + 122)}{(-1 + x)^2}$$

Sequence: A004925
Score: 17.0448
Type of gen. func.: revogf

$$-\frac{-61 - x + (3721 + 123 x)^{1/2}}{-1 + x}$$

Sequence: A004925
Score: 26.3419
Type of gen. func.: lgdogf

$$-\frac{x + 245}{(x + 122) (-1 + x)}$$

Sequence: A004925
Score: 5.62084
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) + a(n + 1), a(0) = 0, a(1) = 122, a(2) = 245}

Sequence: A004925
Score: 6.78377
Type of gen. func.: ogf

$$-f(x) (f(x) x^2 - 2 f(x) x - x^2 + f(x) - 122 x)$$

Sequence: A004926
Score: 15.4065
Type of gen. func.: ogf

$$\frac{199 x}{(-1 + x)^2}$$

Sequence: A004926
Score: 17.8845
Type of gen. func.: revogf

$$\frac{796 x}{(199 + (39601 + 796 x)^{1/2})^2}$$

Sequence: A004926
Score: 21.4591
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A004926
Score: 7.23920
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 199\}$$

Sequence: A004926
Score: 73.7735

Type of gen. func.: lgdogf

$$-\frac{2}{-1 + x}$$

Sequence: A004926
Score: 9.85006
Type of gen. func.: ogf

$$-f(x)\, x^2 + 2\, f(x)\, x - f(x) + 199\, x$$

Sequence: A004927
Score: 10.9709
Type of gen. func.: lgdogf

$$-\frac{x + 643}{x^2 + 320\, x - 321}$$

Sequence: A004927
Score: 11.6162
Type of gen. func.: ogf

$$\frac{x\, (x + 321)}{(-1 + x)^2}$$

Sequence: A004927
Score: 13.2239
Type of gen. func.: revogf

$$-\frac{-321 - 2\, x + (103041 + 1288\, x)^{1/2}}{2\, (-1 + x)}$$

Sequence: A004927
Score: 26.4477
Type of gen. func.: lgdogf

$$x + 643$$

$$- \frac{}{(x + 321) (-1 + x)}$$

Sequence: A004927
Score: 5.64217
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n + 1), a(0) = 0, a(1) = 321, a(2) = 643\}$$

Sequence: A004927
Score: 6.80952
Type of gen. func.: ogf

$$-f(x) (f(x) x^2 - 2 f(x) x - x^2 + f(x) - 321 x)$$

Sequence: A004928
Score: 15.1071
Type of gen. func.: ogf

$$\frac{521 x}{(-1 + x)^2}$$

Sequence: A004928
Score: 16.0772
Type of gen. func.: revogf

$$\frac{2084 x}{(521 + (271441 + 2084 x)^{1/2})^2}$$

Sequence: A004928
Score: 21.0420
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A004928
Score: 7.09851
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 521\}$$

Sequence: A004928
Score: 72.3473
Type of gen. func.: lgdogf

$$-\frac{2}{-1 + x}$$

Sequence: A004928
Score: 9.65861
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 521 x$$

Sequence: A004929
Score: 10.2654
Type of gen. func.: lgdogf

$$-\frac{x + 1685}{x^2 + 841 x - 842}$$

Sequence: A004929
Score: 11.0706
Type of gen. func.: ogf

$$\frac{x (x + 842)}{(-1 + x)^2}$$

Sequence: A004929
Score: 14.9837
Type of gen. func.: revogf

$$-421 - x + (177241 + 843 x)^{1/2}$$

```
- ------------------------------
             -1 + x
```

Sequence: A004929
Score: 24.1042
Type of gen. func.: lgdogf

$$-\frac{x + 1685}{(x + 842)\,(-1 + x)}$$

Sequence: A004929
Score: 5.32641
Type of gen. func.: ogf

$$\{a(n + 3) - 2\,a(n + 2) + a(n + 1),\ a(0) = 0,\ a(1) = 842,\ a(2) = 1685\}$$

Sequence: A004929
Score: 6.48964
Type of gen. func.: ogf

$$-f(x)\,(f(x)\,x^2 - 2\,f(x)\,x - x^2 + f(x) - 842\,x)$$

Sequence: A004930
Score: 13.8901
Type of gen. func.: ogf

$$\frac{1364\,x}{(-1 + x)^2}$$

Sequence: A004930
Score: 16.0442
Type of gen. func.: revogf

$$\frac{341\,x}{(341 + (116281 + 341\,x)^{1/2})^2}$$

Sequence: A004930
Score: 19.8430
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A004930
Score: 6.61433
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 1364\}$$

Sequence: A004930
Score: 68.1878
Type of gen. func.: lgdogf

$$- \frac{2}{-1 + x}$$

Sequence: A004930
Score: 8.96135
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 1364 x$$

Sequence: A004931
Score: 10.8790
Type of gen. func.: ogf

$$\frac{x (x + 2206)}{(-1 + x)^2}$$

Sequence: A004931
Score: 13.8901
Type of gen. func.: revogf

$$- \frac{-1103 - x + (1216609 + 2207 x)^{1/2}}{}$$

$$-1 + x$$

Sequence: A004931
Score: 23.1502
Type of gen. func.: lgdogf

$$-\frac{4413 + x}{(x + 2206)\,(-1 + x)}$$

Sequence: A004931
Score: 5.28697
Type of gen. func.: ogf

$$\{a(n + 3) - 2\,a(n + 2) + a(n + 1),\ a(0) = 0,\ a(1) = 2206,\ a(2) = 4413\}$$

Sequence: A004931
Score: 6.42847
Type of gen. func.: ogf

$$-f(x)\,(f(x)\,x^2 - 2\,f(x)\,x - x^2 + f(x) - 2206\,x)$$

Sequence: A004931
Score: 9.92467
Type of gen. func.: lgdogf

$$-\frac{4413 + x}{x^2 + 2205\,x - 2206}$$

Sequence: A004932
Score: 13.0850
Type of gen. func.: revogf

$$\frac{14284\,x}{(3571 + (12752041 + 14284\,x)^{1/2})^2}$$

Sequence: A004932

Score: 13.6620
Type of gen. func.: ogf

$$\frac{3571 x}{(-1 + x)^2}$$

Sequence: A004932
Score: 19.5172
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A004932
Score: 6.50573
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 3571\}$$

Sequence: A004932
Score: 67.0605
Type of gen. func.: lgdogf

$$- \frac{2}{-1 + x}$$

Sequence: A004932
Score: 8.81422
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 3571 x$$

Sequence: A004933
Score: 10.6481
Type of gen. func.: ogf

$$\frac{x (x + 5777)}{(-1 + x)^2}$$

Sequence: A004933
Score: 11.3294
Type of gen. func.: revogf

$$-\frac{-5777 - 2 x + (33373729 + 23112 x)^{1/2}}{2 (-1 + x)}$$

Sequence: A004933
Score: 21.7525
Type of gen. func.: lgdogf

$$-\frac{11555 + x}{(x + 5777) (-1 + x)}$$

Sequence: A004933
Score: 5.12686
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n + 1), a(0) = 0, a(1) = 5777, a(2) = 11555\}$$

Sequence: A004933
Score: 6.29205
Type of gen. func.: ogf

$$-f(x) (f(x) x^2 - 2 f(x) x - x^2 + f(x) - 5777 x)$$

Sequence: A004933
Score: 9.54657
Type of gen. func.: lgdogf

$$-\frac{11555 + x}{x^2 + 5776 x - 5777}$$

Sequence: A004934
Score: 13.1119

Type of gen. func.: revogf

$$\frac{37396\,x}{\left(9349 + (87403801 + 37396\,x)^{1/2}\right)^{2}}$$

Sequence: A004934
Score: 13.6840
Type of gen. func.: ogf

$$\frac{9349\,x}{(-1 + x)^{2}}$$

Sequence: A004934
Score: 19.5486
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A004934
Score: 6.51620
Type of gen. func.: ogf

$$\{a(n + 2) - 2\,a(n + 1) + a(n),\ a(0) = 0,\ a(1) = 9349\}$$

Sequence: A004934
Score: 67.1983
Type of gen. func.: lgdogf

$$-\frac{2}{-1 + x}$$

Sequence: A004934
Score: 8.82839
Type of gen. func.: ogf

$$-f(x)\,x^{2} + 2\,f(x)\,x - f(x) + 9349\,x$$

Sequence: A004935
Score: 10.6349
Type of gen. func.: ogf

$$\frac{x (x + 15126)}{(-1 + x)^2}$$

Sequence: A004935
Score: 13.1875
Type of gen. func.: revogf

$$-\frac{-7563 - x + (57198969 + 15127 x)^{1/2}}{-1 + x}$$

Sequence: A004935
Score: 21.3030
Type of gen. func.: lgdogf

$$-\frac{30253 + x}{(x + 15126) (-1 + x)}$$

Sequence: A004935
Score: 5.17111
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n + 1), a(0) = 0, a(1) = 15126, a(2) = 30253\}$$

Sequence: A004935
Score: 6.33315
Type of gen. func.: ogf

$$-f(x) (f(x) x^2 - 2 f(x) x - x^2 + f(x) - 15126 x)$$

Sequence: A004935
Score: 9.39418
Type of gen. func.: lgdogf

$$-\frac{30253 + x}{x^2 + 15125 x - 15126}$$

Sequence: A004940
Score: 4.41489
Type of gen. func.: ogf

$$x (11 x^{10} + 11 x^9 + 11 x^8 + 11 x^7 + 11 x^6 + 12 x^5 + 11 x^4 + 11 x^3 + 11 x^2 + 11 x + 11) \Big/ \left((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (-1 + x)^2\right)$$

Sequence: A004942
Score: 12.4291
Type of gen. func.: lgdogf

$$\frac{13 x^{15} - 27 x^{14} + 14 x^{13} + 58}{(-1 + x) (x^{15} - x^{14} - 29)}$$

Sequence: A004943
Score: 15.1714
Type of gen. func.: egf]_with_Euler_transform]

$$1/47 x^{23} - 1/47 x^{22} + 2$$

Sequence: A004944
Score: 10.2309
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 76 x$$

Sequence: A004944
Score: 16.1541

Type of gen. func.: ogf

$$\frac{76 x}{(-1 + x)^{2}}$$

Sequence: A004944
Score: 21.5366
Type of gen. func.: revogf

$$\frac{19 x}{(19 + (361 + 19 x)^{1/2})^{2}}$$

Sequence: A004944
Score: 21.9234
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A004944
Score: 7.48605
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 76\}$$

Sequence: A004944
Score: 75.3780
Type of gen. func.: lgdogf

$$- \frac{2}{-1 + x}$$

Sequence: A004945
Score: 15.1330
Type of gen. func.: ogf

$$\frac{123 x}{{}^{2}}$$

$$(-1 + x)$$

Sequence: A004945
Score: 17.5613
Type of gen. func.: revogf

$$\frac{492 x}{(123 + (15129 + 492 x)^{1/2})^{2}}$$

Sequence: A004945
Score: 21.0781
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A004945
Score: 7.11070
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 123\}$$

Sequence: A004945
Score: 72.4403
Type of gen. func.: lgdogf

$$- \frac{2}{-1 + x}$$

Sequence: A004945
Score: 9.67521
Type of gen. func.: ogf

$$-f(x) x^{2} + 2 f(x) x - f(x) + 123 x$$

Sequence: A004946
Score: 15.4065

Type of gen. func.: ogf

$$\frac{199 x}{(-1 + x)^2}$$

Sequence: A004946
Score: 17.8845
Type of gen. func.: revogf

$$\frac{796 x}{(199 + (39601 + 796 x)^{1/2})^2}$$

Sequence: A004946
Score: 21.4591
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A004946
Score: 7.23920
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 199\}$$

Sequence: A004946
Score: 73.7735
Type of gen. func.: lgdogf

$$- \frac{2}{-1 + x}$$

Sequence: A004946
Score: 9.85006
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 199 x$$

Sequence: A004947
Score: 15.1905
Type of gen. func.: ogf

$$\frac{322 x}{(-1 + x)^{2}}$$

Sequence: A004947
Score: 17.6318
Type of gen. func.: revogf

$$\frac{322 x}{(161 + (25921 + 322 x)^{1/2})^{2}}$$

Sequence: A004947
Score: 21.1581
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A004947
Score: 7.13769
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 322\}$$

Sequence: A004947
Score: 72.7312
Type of gen. func.: lgdogf

$$- \frac{2}{-1 + x}$$

Sequence: A004947
Score: 9.71194

Type of gen. func.: ogf

$$-f(x) x^{2} + 2 f(x) x - f(x) + 322 x$$

Sequence: A004948
Score: 15.1071
Type of gen. func.: ogf

$$\frac{521 x}{(-1 + x)^{2}}$$

Sequence: A004948
Score: 16.0772
Type of gen. func.: revogf

$$\frac{2084 x}{(521 + (271441 + 2084 x)^{1/2})^{2}}$$

Sequence: A004948
Score: 21.0420
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A004948
Score: 7.09851
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 521\}$$

Sequence: A004948
Score: 72.3473
Type of gen. func.: lgdogf

$$- \frac{2}{-1 + x}$$

```
------------------------------------------------------------------------------

Sequence:  A004948
Score: 9.65861
Type of gen. func.: ogf


                              2
                       -f(x) x  + 2 f(x) x - f(x) + 521 x



------------------------------------------------------------------------------

Sequence:  A004949
Score: 10.7177
Type of gen. func.: ogf


              {a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 843}



------------------------------------------------------------------------------

Sequence:  A004949
Score: 109.794
Type of gen. func.: lgdogf


                                        2
                                    - ------
                                      -1 + x



------------------------------------------------------------------------------

Sequence:  A004949
Score: 14.583
Type of gen. func.: ogf


                              2
                       -f(x) x  + 2 f(x) x - f(x) + 843 x



------------------------------------------------------------------------------

Sequence:  A004949
Score: 22.8094
Type of gen. func.: ogf


                                     843 x
                                   ---------
                                           2
                                   (-1 + x)



------------------------------------------------------------------------------

Sequence:  A004949
Score: 24.3987
Type of gen. func.: revogf
```

$$\frac{3372\,x}{\left(843 + (710649 + 3372\,x)^{1/2}\right)^{2}}$$

Sequence: A004949
Score: 31.7702
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A004950
Score: 13.8901
Type of gen. func.: ogf

$$\frac{1364\,x}{(-1 + x)^{2}}$$

Sequence: A004950
Score: 16.0442
Type of gen. func.: revogf

$$\frac{341\,x}{\left(341 + (116281 + 341\,x)^{1/2}\right)^{2}}$$

Sequence: A004950
Score: 19.8430
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A004950
Score: 6.61433
Type of gen. func.: ogf

$$\{a(n + 2) - 2\,a(n + 1) + a(n),\ a(0) = 0,\ a(1) = 1364\}$$

Sequence: A004950
Score: 68.1878
Type of gen. func.: lgdogf

$$-\frac{2}{-1 + x}$$

Sequence: A004950
Score: 8.96135
Type of gen. func.: ogf

$$-f(x)\, x^2 + 2\, f(x)\, x - f(x) + 1364\, x$$

Sequence: A004951
Score: 14.1426
Type of gen. func.: ogf

$$\frac{2207\, x}{(-1 + x)^2}$$

Sequence: A004951
Score: 14.6212
Type of gen. func.: revogf

$$\frac{8828\, x}{(2207 + (4870849 + 8828\, x)^{1/2})^2}$$

Sequence: A004951
Score: 20.2038
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A004951
Score: 6.73460

Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 2207\}$$

Sequence: A004951
Score: 69.4506
Type of gen. func.: lgdogf

$$-\frac{2}{-1 + x}$$

Sequence: A004951
Score: 9.12429
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 2207 x$$

Sequence: A004952
Score: 13.0850
Type of gen. func.: revogf

$$\frac{14284 x}{(3571 + (12752041 + 14284 x)^{1/2})^2}$$

Sequence: A004952
Score: 13.6620
Type of gen. func.: ogf

$$\frac{3571 x}{(-1 + x)^2}$$

Sequence: A004952
Score: 19.5172
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A004952
Score: 6.50573
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 3571\}$$

Sequence: A004952
Score: 67.0605
Type of gen. func.: lgdogf

$$- \frac{2}{-1 + x}$$

Sequence: A004952
Score: 8.81422
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 3571 x$$

Sequence: A004953
Score: 13.8425
Type of gen. func.: ogf

$$\frac{5778 x}{(-1 + x)^2}$$

Sequence: A004953
Score: 15.9945
Type of gen. func.: revogf

$$\frac{642 x}{(963 + (927369 + 642 x)^{1/2})^2}$$

Sequence: A004953
Score: 19.7750
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A004953
Score: 6.59168
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 5778\}$$

Sequence: A004953
Score: 67.9767
Type of gen. func.: lgdogf

$$- \frac{2}{-1 + x}$$

Sequence: A004953
Score: 8.93065
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 5778 x$$

Sequence: A004954
Score: 13.1119
Type of gen. func.: revogf

$$\frac{37396 x}{(9349 + (87403801 + 37396 x)^{1/2})^2}$$

Sequence: A004954
Score: 13.6840
Type of gen. func.: ogf

$$\frac{9349 x}{(-1 + x)^2}$$

```
------------------------------------------------------------------------------

Sequence:  A004954
Score: 19.5486
Type of gen. func.: lgdogf

                                       2
                                     ------
                                     -x + 1



------------------------------------------------------------------------------

Sequence:  A004954
Score: 6.51620
Type of gen. func.: ogf

             {a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 9349}



------------------------------------------------------------------------------

Sequence:  A004954
Score: 67.1983
Type of gen. func.: lgdogf

                                        2
                                    - ------
                                      -1 + x



------------------------------------------------------------------------------

Sequence:  A004954
Score: 8.82839
Type of gen. func.: ogf

                             2
                      -f(x) x  + 2 f(x) x - f(x) + 9349 x



------------------------------------------------------------------------------

Sequence:  A004955
Score: 10.9984
Type of gen. func.: ogf

             {a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 15127}



------------------------------------------------------------------------------

Sequence:  A004955
Score: 115.493
Type of gen. func.: lgdogf

                                        2
                                    - ------
                                      -1 + x
```

Sequence: A004955
Score: 14.839
Type of gen. func.: ogf

$$-f(x)\, x^2 + 2\, f(x)\, x - f(x) + 15127\, x$$

Sequence: A004955
Score: 21.4872
Type of gen. func.: revogf

$$\frac{60508\, x}{(15127 + (228826129 + 60508\, x)^{1/2})^2}$$

Sequence: A004955
Score: 22.8015
Type of gen. func.: ogf

$$\frac{15127\, x}{(-1 + x)^2}$$

Sequence: A004955
Score: 33.3879
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A004959
Score: 6.67052
Type of gen. func.: ogf

$$\frac{x\, (6\, x^6 + 7\, x^5 + 7\, x^4 + 7\, x^3 + 7\, x^2 + 7\, x + 7)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\, (-1 + x)^2}$$

Sequence: A004960
Score: 4.41489
Type of gen. func.: ogf

$$x\,(11\,x^{10}+11\,x^{9}+11\,x^{8}+11\,x^{7}+11\,x^{6}+11\,x^{5}+11\,x^{4}+11\,x^{3}+11\,x^{2}+11\,x+12)\Big/\left((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)\,(-1+x)^{2}\right)$$

Sequence: A004963
Score: 10.4412
Type of gen. func.: ogf

$$-f(x)\,x^{2}+2\,f(x)\,x-f(x)+47\,x$$

Sequence: A004963
Score: 16.4860
Type of gen. func.: ogf

$$\frac{47\,x}{(-1+x)^{2}}$$

Sequence: A004963
Score: 19.8541
Type of gen. func.: revogf

$$\frac{188\,x}{(47+(2209+188\,x)^{1/2})^{2}}$$

Sequence: A004963
Score: 22.3739
Type of gen. func.: lgdogf

$$\frac{2}{-x+1}$$

Sequence: A004963
Score: 7.63987
Type of gen. func.: ogf

$$\{a(n+2) - 2 a(n+1) + a(n),\ a(0) = 0,\ a(1) = 47\}$$

Sequence: A004963
Score: 76.9348
Type of gen. func.: lgdogf

$$-\frac{2}{-1 + x}$$

Sequence: A004964
Score: 11.8049
Type of gen. func.: lgdogf

$$-\frac{-x + 153}{-x^2 + 78 x - 77}$$

Sequence: A004964
Score: 12.2771
Type of gen. func.: ogf

$$-\frac{x (x - 77)}{(-1 + x)^2}$$

Sequence: A004964
Score: 15.4621
Type of gen. func.: revogf

$$-\frac{-77 - 2 x + (5929 + 304 x)^{1/2}}{2 (1 + x)}$$

Sequence: A004964
Score: 27.4102

Type of gen. func.: lgdogf

$$-\frac{-153 + x}{(-1 + x)(x - 77)}$$

Sequence: A004964
Score: 5.90246
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n + 1), a(0) = 0, a(1) = 77, a(2) = 153\}$$

Sequence: A004964
Score: 7.48605
Type of gen. func.: ogf

$$f(x) (f(x) x^2 - 2 f(x) x + x^2 + f(x) - 77 x)$$

Sequence: A004965
Score: 15.1330
Type of gen. func.: ogf

$$\frac{123 x}{(-1 + x)^2}$$

Sequence: A004965
Score: 17.5613
Type of gen. func.: revogf

$$\frac{492 x}{(123 + (15129 + 492 x)^{1/2})^2}$$

Sequence: A004965
Score: 21.0781
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A004965
Score: 7.11070
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 123\}$$

Sequence: A004965
Score: 72.4403
Type of gen. func.: lgdogf

$$- \frac{2}{-1 + x}$$

Sequence: A004965
Score: 9.67521
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 123 x$$

Sequence: A004966
Score: 11.1269
Type of gen. func.: lgdogf

$$- \frac{-x + 399}{-x^2 + 201 x - 200}$$

Sequence: A004966
Score: 11.7815
Type of gen. func.: ogf

$$- \frac{x (x - 200)}{(-1 + x)^2}$$

Sequence: A004966
Score: 16.8625
Type of gen. func.: revogf

$$-\frac{-100 - x + (10000 + 199 x)^{1/2}}{1 + x}$$

Sequence: A004966
Score: 25.6604
Type of gen. func.: lgdogf

$$-\frac{-399 + x}{(-1 + x) (x - 200)}$$

Sequence: A004966
Score: 5.72242
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n + 1), a(0) = 0, a(1) = 200, a(2) = 399\}$$

Sequence: A004966
Score: 7.2392
Type of gen. func.: ogf

$$f(x) (f(x) x^2 - 2 f(x) x + x^2 + f(x) - 200 x)$$

Sequence: A004967
Score: 15.1905
Type of gen. func.: ogf

$$\frac{322 x}{(-1 + x)^2}$$

Sequence: A004967
Score: 17.6318
Type of gen. func.: revogf

$$\frac{322 x}{(161 + (25921 + 322 x)^{1/2})^2}$$

Sequence: A004967
Score: 21.1581
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A004967
Score: 7.13769
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 322\}$$

Sequence: A004967
Score: 72.7312
Type of gen. func.: lgdogf

$$- \frac{2}{-1 + x}$$

Sequence: A004967
Score: 9.71194
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 322 x$$

Sequence: A004968
Score: 10.7123
Type of gen. func.: lgdogf

$$- \frac{-x + 1043}{-x^2 + 523 x - 522}$$

Sequence: A004968
Score: 11.5525
Type of gen. func.: ogf

$$-\frac{x(x-522)}{(-1+x)^2}$$

Sequence: A004968
Score: 16.5365
Type of gen. func.: revogf

$$-\frac{-261 - x + (68121 + 521 x)^{1/2}}{1 + x}$$

Sequence: A004968
Score: 24.1158
Type of gen. func.: lgdogf

$$-\frac{-1043 + x}{(-1 + x) (x - 522)}$$

Sequence: A004968
Score: 5.55826
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n + 1), a(0) = 0, a(1) = 522, a(2) = 1043\}$$

Sequence: A004968
Score: 7.0985
Type of gen. func.: ogf

$$f(x) (f(x) x^2 - 2 f(x) x + x^2 + f(x) - 522 x)$$

Sequence: A004969
Score: 14.4769
Type of gen. func.: ogf

$$\frac{843 x}{(-1 + x)^2}$$

Sequence: A004969
Score: 15.3999
Type of gen. func.: revogf

$$\frac{3372 x}{(843 + (710649 + 3372 x)^{1/2})^2}$$

Sequence: A004969
Score: 20.1642
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A004969
Score: 6.80240
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 843\}$$

Sequence: A004969
Score: 69.2994
Type of gen. func.: lgdogf

$$- \frac{2}{-1 + x}$$

Sequence: A004969
Score: 9.25572
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 843 x$$

Sequence: A004970
Score: 10.6847
Type of gen. func.: ogf

$$-\frac{x\,(x-1365)}{(-1+x)^{2}}$$

Sequence: A004970
Score: 12.1223
Type of gen. func.: revogf

$$-\frac{-1365-2\,x+(1863225+5456\,x)^{1/2}}{2\,(1+x)}$$

Sequence: A004970
Score: 21.8201
Type of gen. func.: lgdogf

$$-\frac{-2729+x}{(-1+x)\,(x-1365)}$$

Sequence: A004970
Score: 5.19256
Type of gen. func.: ogf

$$\{a(n+3)-2\,a(n+2)+a(n+1),\ a(0)=0,\ a(1)=1365,\ a(2)=2729\}$$

Sequence: A004970
Score: 6.61433
Type of gen. func.: ogf

$$f(x)\,(f(x)\,x^{2}-2\,f(x)\,x+x^{2}+f(x)-1365\,x)$$

Sequence: A004970
Score: 9.74744
Type of gen. func.: lgdogf

$$-\frac{-x+2729}{-x^{2}+1366\,x-1365}$$

Sequence: A004971
Score: 14.1426
Type of gen. func.: ogf

$$\frac{2207\,x}{(-1+x)^2}$$

Sequence: A004971
Score: 14.6212
Type of gen. func.: revogf

$$\frac{8828\,x}{\left(2207+(4870849+8828\,x)^{1/2}\right)^2}$$

Sequence: A004971
Score: 20.2038
Type of gen. func.: lgdogf

$$\frac{2}{-x+1}$$

Sequence: A004971
Score: 6.73460
Type of gen. func.: ogf

$$\{a(n+2)-2\,a(n+1)+a(n),\ a(0)=0,\ a(1)=2207\}$$

Sequence: A004971
Score: 69.4506
Type of gen. func.: lgdogf

$$-\frac{2}{-1+x}$$

Sequence: A004971
Score: 9.12429
Type of gen. func.: ogf

```
                             2
                      -f(x) x  + 2 f(x) x - f(x) + 2207 x



------------------------------------------------------------------------------

Sequence:  A004972
Score: 13.7560
Type of gen. func.: revogf


                                                      1/2
                        -1786 - x + (3189796 + 3571 x)
                      - ----------------------------------
                                      1 + x



------------------------------------------------------------------------------

Sequence:  A004972
Score: 13.7683
Type of gen. func.: lgdogf


                                    -x + 7143
                             - -------------------
                                 2
                               -x  + 3573 x - 3572



------------------------------------------------------------------------------

Sequence:  A004972
Score: 15.0921
Type of gen. func.: ogf


                                   x (x - 3572)
                                 - ------------
                                            2
                                    (-1 + x)



------------------------------------------------------------------------------

Sequence:  A004972
Score: 21.4594
Type of gen. func.: lgdogf


                                    -7143 + x
                             - -------------------
                               (-1 + x) (x - 3572)



------------------------------------------------------------------------------

Sequence:  A004972
Score: 7.33450
Type of gen. func.: ogf


     {a(n + 3) - 2 a(n + 2) + a(n + 1), a(0) = 0, a(1) = 3572, a(2) = 7143}
```

Sequence: A004972
Score: 9.34275
Type of gen. func.: ogf

$$f(x) (f(x) x^2 - 2 f(x) x + x^2 + f(x) - 3572 x)$$

Sequence: A004973
Score: 13.8425
Type of gen. func.: ogf

$$\frac{5778 x}{(-1 + x)^2}$$

Sequence: A004973
Score: 15.9945
Type of gen. func.: revogf

$$\frac{642 x}{(963 + (927369 + 642 x)^{1/2})^2}$$

Sequence: A004973
Score: 19.7750
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A004973
Score: 6.59168
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 5778\}$$

Sequence: A004973
Score: 67.9767
Type of gen. func.: lgdogf

$$-\frac{2}{-1 + x}$$

Sequence: A004973
Score: 8.93065
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 5778 x$$

Sequence: A004974
Score: 10.5262
Type of gen. func.: ogf

$$-\frac{x (x - 9350)}{(-1 + x)^2}$$

Sequence: A004974
Score: 13.4397
Type of gen. func.: revogf

$$-\frac{-4675 - x + (21855625 + 9349 x)^{1/2}}{1 + x}$$

Sequence: A004974
Score: 20.6764
Type of gen. func.: lgdogf

$$-\frac{-18699 + x}{(-1 + x) (x - 9350)}$$

Sequence: A004974
Score: 5.06816
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n + 1), a(0) = 0, a(1) = 9350, a(2) = 18699\}$$

Sequence: A004974
Score: 6.51619
Type of gen. func.: ogf

$$f(x)\ (f(x)\ x^2 - 2\ f(x)\ x + x^2 + f(x) - 9350\ x)$$

Sequence: A004974
Score: 9.43726
Type of gen. func.: lgdogf

$$-\frac{-x + 18699}{-x^2 + 9351\ x - 9350}$$

Sequence: A004975
Score: 10.9984
Type of gen. func.: ogf

$$\{a(n + 2) - 2\ a(n + 1) + a(n),\ a(0) = 0,\ a(1) = 15127\}$$

Sequence: A004975
Score: 115.493
Type of gen. func.: lgdogf

$$-\frac{2}{-1 + x}$$

Sequence: A004975
Score: 14.839
Type of gen. func.: ogf

$$-f(x)\ x^2 + 2\ f(x)\ x - f(x) + 15127\ x$$

Sequence: A004975
Score: 21.4872
Type of gen. func.: revogf

```
                 60508 x
   -----------------------------------
```

$$(15127 + (228826129 + 60508 x)^{1/2})^{2}$$

Sequence: A004975
Score: 22.8015
Type of gen. func.: ogf

$$\frac{15127 x}{(-1 + x)^{2}}$$

Sequence: A004975
Score: 33.3879
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A004981
Score: 21.6378
Type of gen. func.: lgdogf

$$\frac{2}{-8 x + 1}$$

Sequence: A004981
Score: 39.5788
Type of gen. func.: lgdogf

$$-2 + (-8 x + 1) f(x)$$

Sequence: A004981
Score: 5.77009
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (10 + 8 n) a(n + 1), a(0) = 1, a(1) = 2\}$$

Sequence: A004982
Score: 21.2911

Type of gen. func.: lgdogf

$$\frac{6}{-8 x + 1}$$

Sequence: A004982
Score: 38.9445
Type of gen. func.: lgdogf

$$-6 + (-8 x + 1) f(x)$$

Sequence: A004982
Score: 5.67762
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (14 + 8 n) a(n + 1), a(0) = 1, a(1) = 6\}$$

Sequence: A004983
Score: 23.9641
Type of gen. func.: lgdogf

$$\frac{6}{8 x - 1}$$

Sequence: A004983
Score: 45.4646
Type of gen. func.: lgdogf

$$-6 + (8 x - 1) f(x)$$

Sequence: A004983
Score: 6.45188
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) + (-2 - 8 n) a(n + 1), a(0) = 1, a(1) = -6\}$$

Sequence: A004984
Score: 22.7412
Type of gen. func.: lgdogf

$$\frac{2}{8 x - 1}$$

Sequence: A004984
Score: 43.0814
Type of gen. func.: lgdogf

$$-2 + (8 x - 1) f(x)$$

Sequence: A004984
Score: 6.12263
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) + (-6 - 8 n) a(n + 1), a(0) = 1, a(1) = -2\}$$

Sequence: A004985
Score: 21.5899
Type of gen. func.: lgdogf

$$\frac{10}{-8 x + 1}$$

Sequence: A004985
Score: 38.3828
Type of gen. func.: lgdogf

$$-10 + (-8 x + 1) f(x)$$

Sequence: A004985
Score: 5.90668
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (18 + 8 n) a(n + 1), a(0) = 1, a(1) = 10\}$$

Sequence: A004986
Score: 20.4080
Type of gen. func.: lgdogf

$$\frac{14}{-8 x + 1}$$

Sequence: A004986
Score: 36.2534
Type of gen. func.: lgdogf

$$-14 + (-8 x + 1) f(x)$$

Sequence: A004986
Score: 5.58332
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (22 + 8 n) a(n + 1), a(0) = 1, a(1) = 14\}$$

Sequence: A004987
Score: 17.7678
Type of gen. func.: ogf

$$-9 f(x)^3 x + f(x)^3 - 1$$

Sequence: A004987
Score: 20.8631
Type of gen. func.: lgdogf

$$\frac{3}{-9 x + 1}$$

Sequence: A004987
Score: 5.56350
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (12 + 9 n) a(n + 1), a(0) = 1, a(1) = 3\}$$

Sequence: A004987
Score: 52.0168
Type of gen. func.: lgdogf

$$-\frac{3}{-1 + 9 x}$$

Sequence: A004988
Score: 10.5856
Type of gen. func.: ogf

$$81 f(x)^3 x^2 - 18 f(x)^3 x + f(x)^3 - 1$$

Sequence: A004988
Score: 24.5736
Type of gen. func.: lgdogf

$$\frac{6}{-9 x + 1}$$

Sequence: A004988
Score: 6.55297
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (15 + 9 n) a(n + 1), a(0) = 1, a(1) = 6\}$$

Sequence: A004988
Score: 61.4439
Type of gen. func.: lgdogf

$$-\frac{6}{-1 + 9 x}$$

Sequence: A004989
Score: 17.7423
Type of gen. func.: ogf

$$-81 x^2 + 18 x - 1 + f(x)^3$$

Sequence: A004989

Score: 18.7233
Type of gen. func.: lgdogf

$$\frac{6}{-1 + 9 x}$$

Sequence: A004989
Score: 5.04089
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) + (-3 - 9 n) a(n + 1), a(0) = 1, a(1) = -6\}$$

Sequence: A004989
Score: 56.9189
Type of gen. func.: lgdogf

$$\frac{6}{-1 + 9 x}$$

Sequence: A004990
Score: 19.4457
Type of gen. func.: ogf

$$-9 x + 1 - f(x)^3$$

Sequence: A004990
Score: 21.5291
Type of gen. func.: lgdogf

$$\frac{3}{-1 + 9 x}$$

Sequence: A004990
Score: 5.79630
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) + (-6 - 9 n) a(n + 1), a(0) = 1, a(1) = -3\}$$

Sequence: A004990
Score: 65.1527
Type of gen. func.: lgdogf

$$\frac{3}{-1 + 9 x}$$

Sequence: A004991
Score: 14.0542
Type of gen. func.: lgdogf

$$\frac{12}{-9 x + 1}$$

Sequence: A004991
Score: 24.7800
Type of gen. func.: lgdogf

$$-12 + (-9 x + 1) f(x)$$

Sequence: A004991
Score: 3.84501
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (21 + 9 n) a(n + 1), a(0) = 1, a(1) = 12\}$$

Sequence: A004991
Score: 7.55588
Type of gen. func.: ogf

$$-6561 f(x)^3 x^4 + 2916 f(x)^3 x^3 - 486 f(x)^3 x^2 + 36 f(x)^3 x - f(x)^3 + 1$$

Sequence: A004992
Score: 14.8190
Type of gen. func.: lgdogf

$$\frac{15}{-9 x + 1}$$

Sequence: A004992
Score: 26.1663
Type of gen. func.: lgdogf

$$-15 + (-9 x + 1) f(x)$$

Sequence: A004992
Score: 4.05425
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (24 + 9 n) a(n + 1), a(0) = 1, a(1) = 15\}$$

Sequence: A004993
Score: 18.3564
Type of gen. func.: lgdogf

$$\frac{6}{-36 x + 1}$$

Sequence: A004993
Score: 32.5779
Type of gen. func.: lgdogf

$$-6 + (-36 x + 1) f(x)$$

Sequence: A004993
Score: 5.02205
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (42 + 36 n) a(n + 1), a(0) = 1, a(1) = 6\}$$

Sequence: A004994
Score: 16.7899
Type of gen. func.: lgdogf

$$\frac{30}{-36 x + 1}$$

Sequence: A004994
Score: 28.9921
Type of gen. func.: lgdogf

$$-30 + (-36 x + 1) f(x)$$

Sequence: A004994
Score: 4.70745
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (66 + 36 n) a(n + 1), a(0) = 1, a(1) = 30\}$$

Sequence: A004995
Score: 16.7280
Type of gen. func.: lgdogf

$$\frac{30}{36 x - 1}$$

Sequence: A004995
Score: 29.5743
Type of gen. func.: lgdogf

$$-30 + (36 x - 1) f(x)$$

Sequence: A004995
Score: 4.73433
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) + (-6 - 36 n) a(n + 1), a(0) = 1, a(1) = -30\}$$

Sequence: A004996
Score: 15.5012
Type of gen. func.: lgdogf

$$\frac{6}{36 x - 1}$$

Sequence: A004996
Score: 28.0363
Type of gen. func.: lgdogf

$$-6 + (36 x - 1) f(x)$$

Sequence: A004996
Score: 4.24091
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) + (-30 - 36 n) a(n + 1), a(0) = 1, a(1) = -6\}$$

Sequence: A004997
Score: 17.3315
Type of gen. func.: lgdogf

$$\frac{42}{-36 x + 1}$$

Sequence: A004997
Score: 29.9478
Type of gen. func.: lgdogf

$$-42 + (-36 x + 1) f(x)$$

Sequence: A004997
Score: 4.85931
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (78 + 36 n) a(n + 1), a(0) = 1, a(1) = 42\}$$

Sequence: A004998
Score: 15.4825
Type of gen. func.: lgdogf

$$\frac{66}{-36 x + 1}$$

Sequence: A004998
Score: 26.7011
Type of gen. func.: lgdogf

$$-66 + (-36 x + 1) f(x)$$

Sequence: A004998
Score: 4.30069
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (102 + 36 n) a(n + 1), a(0) = 1, a(1) = 66\}$$

Sequence: A005004
Score: 10.1339
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^3 - x^2 + x + 1)}{(1 + x) (-1 + x)^2}$$

Sequence: A005005
Score: 8.28211
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^4 + x^3 - x^2 + 2 x + 1)}{(1 + x) (-1 + x)^2}$$

Sequence: A005009
Score: 13.3432
Type of gen. func.: ogf

$$\{a(n + 1) - 2 a(n), a(0) = 7\}$$

Sequence: A005009
Score: 16.923
Type of gen. func.: ogf

$$-2 f(x) x + f(x) - 7$$

```
------------------------------------------------------------------------------

Sequence:  A005009
Score: 24.7802
Type of gen. func.: lgdogf


                                        2
                                     --------
                                     -2 x + 1



------------------------------------------------------------------------------

Sequence:  A005009
Score: 27.7538
Type of gen. func.: ogf


                                         7
                                    - -------
                                      2 x - 1



------------------------------------------------------------------------------

Sequence:  A005009
Score: 28.3433
Type of gen. func.: revegf]


                          -1/2 ln(7) + 1/2 ln(7 + 2 x)



------------------------------------------------------------------------------

Sequence:  A005009
Score: 61.8400
Type of gen. func.: lgdogf


                                         2
                                    - -------
                                      2 x - 1



------------------------------------------------------------------------------

Sequence:  A005010
Score: 12.6921
Type of gen. func.: ogf


                         {a(n + 1) - 2 a(n), a(0) = 9}



------------------------------------------------------------------------------

Sequence:  A005010
Score: 16.0973
Type of gen. func.: ogf


                              -2 f(x) x + f(x) - 9
```

Sequence: A005010
Score: 23.5711
Type of gen. func.: lgdogf

$$\frac{2}{-2x+1}$$

Sequence: A005010
Score: 26.3996
Type of gen. func.: ogf

$$-\frac{9}{2x-1}$$

Sequence: A005010
Score: 32.3261
Type of gen. func.: revegf]

$$-\ln(3) + 1/2 \ln(9 + 2x)$$

Sequence: A005010
Score: 58.7747
Type of gen. func.: lgdogf

$$-\frac{2}{2x-1}$$

Sequence: A005011
Score: 12.9306
Type of gen. func.: lgdegf]

$$(-n - 2) a(n + 2) + 5 a(n + 1), a(0) = 1, a(1) = 5$$

Sequence: A005011
Score: 20.9552
Type of gen. func.: lgdegf]

$$\exp(5x)$$

Sequence: A005012
Score: 13.9299
Type of gen. func.: lgdegf]

$$6 a(n) + (-n - 1) a(n + 1), a(0) = 7, a(1) = 6$$

Sequence: A005012
Score: 28.5842
Type of gen. func.: lgdegf]

$$\exp(6 x)$$

Sequence: A005013
Score: 11.3747
Type of gen. func.: lgdogf

$$- \frac{2 x^5 + 3 x^4 + 4 x^3 - 3 x^2 - 8 x - 1}{(x^2 + x + 1) (x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A005013
Score: 13.2437
Type of gen. func.: ogf

$$\frac{x (x^2 + x + 1)}{(x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A005013
Score: 7.84335
Type of gen. func.: ogf

$$-(22 f(x) - 17) (f(x) x^4 - 3 f(x) x^2 - x^3 - x^2 + f(x) - x)$$

Sequence: A005015
Score: 14.3839

```
Type of gen. func.: ogf

                         {a(n + 1) - 2 a(n), a(0) = 11}



------------------------------------------------------------------------------

Sequence:  A005015
Score: 18.1511
Type of gen. func.: ogf

                             -2 f(x) x + f(x) - 11



------------------------------------------------------------------------------

Sequence:  A005015
Score: 27.2266
Type of gen. func.: lgdogf

                                       2
                                    --------
                                    -2 x + 1



------------------------------------------------------------------------------

Sequence:  A005015
Score: 28.7927
Type of gen. func.: revegf]

                         -1/2 ln(11) + 1/2 ln(11 + 2 x)



------------------------------------------------------------------------------

Sequence:  A005015
Score: 29.3210
Type of gen. func.: ogf

                                       11
                                   - -------
                                     2 x - 1



------------------------------------------------------------------------------

Sequence:  A005015
Score: 68.0554
Type of gen. func.: lgdogf

                                        2
                                   - -------
                                     2 x - 1



------------------------------------------------------------------------------

Sequence:  A005021
```

Score: 11.7129
Type of gen. func.: lgdogf

$$-\frac{3 x^{2} - 12 x + 5}{x^{3} - 6 x^{2} + 5 x - 1}$$

Sequence: A005021
Score: 18.6506
Type of gen. func.: lgdogf

$$-\frac{3 x^{2} - 12 x + 5}{x^{3} - 6 x^{2} + 5 x - 1}$$

Sequence: A005021
Score: 20.5767
Type of gen. func.: ogf

$$-\frac{1}{x^{3} - 6 x^{2} + 5 x - 1}$$

Sequence: A005021
Score: 6.73751
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 6 a(n + 1) - a(n), a(0) = 1, a(1) = 5, a(2) = 19\}$$

Sequence: A005021
Score: 7.538
Type of gen. func.: ogf

$$(286 f(x) - 7) (f(x) x^{3} - 6 f(x) x^{2} + 5 f(x) x - f(x) + 1)$$

Sequence: A005022
Score: 10.6175
Type of gen. func.: lgdogf

$$-\frac{8 x^4 - 40 x^3 + 74 x^2 - 56 x + 13}{(-1 + x) (2 x - 1) (2 x - 3) (2 x^2 - 4 x + 1)}$$

Sequence: A005022
Score: 11.4960
Type of gen. func.: ogf

$$-\frac{2 (-1 + x) (2 x - 3)}{(2 x - 1) (2 x^2 - 4 x + 1)}$$

Sequence: A005022
Score: 6.08611
Type of gen. func.: ogf

$$(3077 f(x) + 1370) (4 f(x) x^3 - 10 f(x) x^2 + 6 f(x) x + 4 x^2 - f(x) - 10 x + 6)$$

Sequence: A005022
Score: 6.24352
Type of gen. func.: ogf

$\{a(n + 3) - 6 a(n + 2) + 10 a(n + 1) - 4 a(n), a(0) = 6, a(1) = 26, a(2) = 100\}$

Sequence: A005022
Score: 6.96392
Type of gen. func.: lgdogf

$$-\frac{-8 x^4 + 40 x^3 - 74 x^2 + 56 x - 13}{-8 x^5 + 40 x^4 - 74 x^3 + 62 x^2 - 23 x + 3}$$

Sequence: A005023
Score: 4.70761
Type of gen. func.: ogf

$-(229729153 f(x) + 27741819) ($

$$f(x) x^4 - 10 f(x) x^3 + 15 f(x) x^2 + x^3 - 7 f(x) x - 10 x^2 + f(x) + 15 x - 7$$

)

Sequence: A005023
Score: 8.22603
Type of gen. func.: lgdogf

$$-\frac{x^6 - 20 x^5 + 130 x^4 - 314 x^3 + 362 x^2 - 190 x + 34}{(-1 + x) (x^3 - 9 x^2 + 6 x - 1) (x^3 - 10 x^2 + 15 x - 7)}$$

Sequence: A005023
Score: 9.29899
Type of gen. func.: ogf

$$-\frac{x^3 - 10 x^2 + 15 x - 7}{(-1 + x) (x^3 - 9 x^2 + 6 x - 1)}$$

Sequence: A005024
Score: 4.37707
Type of gen. func.: ogf

$$(74236 f(x) + 29157) (5 f(x) x^4 - 20 f(x) x^3 + 21 f(x) x^2 + 5 x^3 - 8 f(x) x - 20 x^2 + f(x) + 21 x - 8)$$

Sequence: A005024
Score: 6.52694
Type of gen. func.: lgdogf

$$-\frac{25 x^6 - 200 x^5 + 610 x^4 - 920 x^3 + 746 x^2 - 296 x + 43}{(x^2 - 3 x + 1) (5 x^2 - 5 x + 1) (5 x^3 - 20 x^2 + 21 x - 8)}$$

Sequence: A005024
Score: 8.05163
Type of gen. func.: ogf

$$-\frac{5 x^3 - 20 x^2 + 21 x - 8}{(x^2 - 3 x + 1) (5 x^2 - 5 x + 1)}$$

Sequence: A005025
Score: 7.41545
Type of gen. func.: ogf

$$-\frac{x^4 - 15 x^3 + 35 x^2 - 28 x + 9}{x^5 - 15 x^4 + 35 x^3 - 28 x^2 + 9 x - 1}$$

Sequence: A005029
Score: 14.5783
Type of gen. func.: ogf

$$\{a(n + 1) - 2 a(n), a(0) = 13\}$$

Sequence: A005029
Score: 18.3964
Type of gen. func.: ogf

$$-2 f(x) x + f(x) - 13$$

Sequence: A005029
Score: 27.5946
Type of gen. func.: lgdogf

$$\frac{2}{-2 x + 1}$$

Sequence: A005029
Score: 29.1889
Type of gen. func.: revegf]

$$-1/2 \ln(13) + 1/2 \ln(13 + 2 x)$$

Sequence: A005029
Score: 29.7172
Type of gen. func.: ogf

$$-\frac{13}{2x-1}$$

Sequence: A005029
Score: 68.9920
Type of gen. func.: lgdogf

$$-\frac{2}{2x-1}$$

Sequence: A005030
Score: 14.5778
Type of gen. func.: ogf

$$\{a(n+1) - 3a(n), a(0) = 5\}$$

Sequence: A005030
Score: 18.4888
Type of gen. func.: ogf

$$-3 f(x) x + f(x) - 5$$

Sequence: A005030
Score: 27.0730
Type of gen. func.: lgdogf

$$\frac{3}{-3x+1}$$

Sequence: A005030
Score: 30.3217
Type of gen. func.: ogf

$$-\frac{5}{3x-1}$$

```
------------------------------------------------------------------------------

Sequence:  A005030
Score: 31.0358
Type of gen. func.: revegf]


                          -1/3 ln(5) + 1/3 ln(3 x + 5)



------------------------------------------------------------------------------

Sequence:  A005030
Score: 67.7145
Type of gen. func.: lgdogf


                                          3
                                     - -------
                                       3 x - 1



------------------------------------------------------------------------------

Sequence:  A005032
Score: 14.8313
Type of gen. func.: ogf


                         {a(n + 1) - 3 a(n), a(0) = 7}



------------------------------------------------------------------------------

Sequence:  A005032
Score: 18.8104
Type of gen. func.: ogf


                              -3 f(x) x + f(x) - 7



------------------------------------------------------------------------------

Sequence:  A005032
Score: 27.5438
Type of gen. func.: lgdogf


                                         3
                                      --------
                                      -3 x + 1



------------------------------------------------------------------------------

Sequence:  A005032
Score: 30.8491
Type of gen. func.: ogf


                                          7
                                     - -------
                                       3 x - 1
```

Sequence: A005032
Score: 31.5851
Type of gen. func.: revegf]

$$-1/3 \ln(7) + 1/3 \ln(7 + 3 x)$$

Sequence: A005032
Score: 68.9130
Type of gen. func.: lgdogf

$$- \frac{3}{3 x - 1}$$

Sequence: A005043
Score: 10.0371
Type of gen. func.: ogf

$$-f(x)^2 x^2 - f(x)^2 x + f(x) x + f(x) - 1$$

Sequence: A005043
Score: 14.8627
Type of gen. func.: revogf

$$- \frac{-x^2 + x}{-x^2 + x - 1}$$

Sequence: A005043
Score: 34.5490
Type of gen. func.: revogf

$$- \frac{x (-1 + x)}{x^2 - x + 1}$$

Sequence: A005043

Score: 5.18698
Type of gen. func.: ogf

$$\{(3 n + 6) a(n + 1) + (2 n + 4) a(n + 2) + (-n - 4) a(n + 3), a(0) = 1,$$
$$a(1) = 0, a(2) = 1\}$$

Sequence: A005044
Score: 10.9993
Type of gen. func.: ogf

$$- \frac{x^3}{(x^2 + 1) (x^2 + x + 1) (1 + x)^2 (-1 + x)^3}$$

Sequence: A005044
Score: 15.3611
Type of gen. func.: lgdogf

$$- \frac{x (3 x^2 + x + 2) (3 x^2 + 2 x + 1)}{(-1 + x) (1 + x) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A005044
Score: 30.6250
Type of gen. func.: ogf_with_Euler_transform]

$$x^3 + x^2 + x$$

Sequence: A005044
Score: 8.82121
Type of gen. func.: lgdogf

$$- \frac{-9 x^5 - 9 x^4 - 11 x^3 - 5 x^2 - 2 x}{-x^6 - x^5 - x^4 + x^2 + x + 1}$$

Sequence: A005045
Score: 6.25649

Type of gen. func.: lgdogf

$$-(5x^{11}+x^{10}+3x^{9}-9x^{8}-9x^{7}-7x^{6}+11x^{5}+15x^{4}+23x^{3}+15x^{2}+9x+3) \Big/ ((-1+x)(1+x)(x^{2}+1)(x^{2}+x+1)(x^{6}-x^{5}-x^{3}+x+1))$$

Sequence: A005045
Score: 6.37378
Type of gen. func.: ogf

$$-\frac{x^{2}(x^{6}-x^{5}-x^{3}+x+1)}{(x^{2}+1)(x^{2}+x+1)(1+x)^{2}(-1+x)^{5}}$$

Sequence: A005051
Score: 14.8947
Type of gen. func.: ogf

$$\{a(n+1)-3a(n),\ a(0)=8\}$$

Sequence: A005051
Score: 18.8908
Type of gen. func.: ogf

$$-3f(x)x+f(x)-8$$

Sequence: A005051
Score: 27.6615
Type of gen. func.: lgdogf

$$\frac{3}{-3x+1}$$

Sequence: A005051
Score: 30.9809
Type of gen. func.: ogf

```
                                        8
                                   - -------
                                     3 x - 1
```

Sequence: A005051
Score: 38.0670
Type of gen. func.: revegf]

```
                             -ln(2) + 1/3 ln(8 + 3 x)
```

Sequence: A005051
Score: 76.1339
Type of gen. func.: lgdogf

```
                                        3
                                   - -------
                                     3 x - 1
```

Sequence: A005052
Score: 13.7086
Type of gen. func.: ogf

```
                          {a(n + 1) - 3 a(n), a(0) = 10}
```

Sequence: A005052
Score: 17.2989
Type of gen. func.: ogf

```
                              -3 f(x) x + f(x) - 10
```

Sequence: A005052
Score: 25.9484
Type of gen. func.: lgdogf

```
                                       3
                                    --------
                                    -3 x + 1
```

Sequence: A005052
Score: 27.4432
Type of gen. func.: revegf]

$$-1/3 \ln(10) + 1/3 \ln(10 + 3 x)$$

Sequence: A005052
Score: 27.9445
Type of gen. func.: ogf

$$-\frac{10}{3 x - 1}$$

Sequence: A005052
Score: 71.3524
Type of gen. func.: lgdogf

$$-\frac{3}{3 x - 1}$$

Sequence: A005053
Score: 11.9751
Type of gen. func.: ogf

$$-5 f(x) x + f(x) + 2 x - 1$$

Sequence: A005053
Score: 14.5643
Type of gen. func.: ogf

$$\frac{2 x - 1}{5 x - 1}$$

Sequence: A005053
Score: 14.5643
Type of gen. func.: lgdogf

$$-\frac{3}{-10 x^2 + 7 x - 1}$$

Sequence: A005053
Score: 15.4912
Type of gen. func.: revogf

$$\frac{1}{4} + \frac{5x}{4} - \frac{(25x^2 + 2x + 1)^{1/2}}{4}$$

Sequence: A005053
Score: 30.9825
Type of gen. func.: lgdogf

$$\frac{3}{(5x - 1)(2x - 1)}$$

Sequence: A005053
Score: 7.48444
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1), a(0) = 1, a(1) = 3\}$$

Sequence: A005054
Score: 14.8112
Type of gen. func.: ogf

$$\frac{-1 + x}{5x - 1}$$

Sequence: A005054
Score: 15.2226
Type of gen. func.: lgdogf

$$-\frac{4}{-5x^2 + 6x - 1}$$

Sequence: A005054
Score: 15.7599
Type of gen. func.: revogf

$$\frac{1}{2} + \frac{5 x}{2} - \frac{(25 x^2 + 6 x + 1)^{1/2}}{2}$$

Sequence: A005054
Score: 16.2434
Type of gen. func.: ogf

$$-5 f(x) x + f(x) + x - 1$$

Sequence: A005054
Score: 35.7224
Type of gen. func.: lgdogf

$$\frac{4}{(5 x - 1) (-1 + x)}$$

Sequence: A005054
Score: 7.61131
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1), a(0) = 1, a(1) = 4\}$$

Sequence: A005055
Score: 14.1097
Type of gen. func.: ogf

$$\{a(n + 1) - 5 a(n), a(0) = 7\}$$

Sequence: A005055
Score: 17.8953
Type of gen. func.: ogf

$$-5 f(x) x + f(x) - 7$$

Sequence: A005055
Score: 26.2038
Type of gen. func.: lgdogf

$$\frac{5}{-5 x + 1}$$

Sequence: A005055
Score: 29.3482
Type of gen. func.: ogf

$$-\frac{7}{5 x - 1}$$

Sequence: A005055
Score: 30.0484
Type of gen. func.: revegf]

$$-1/5 \ln(7) + 1/5 \ln(7 + 5 x)$$

Sequence: A005055
Score: 72.1163
Type of gen. func.: lgdogf

$$-\frac{5}{5 x - 1}$$

Sequence: A005056
Score: 11.2083
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^4 + 12 x^3 - 23 x^2 + 12 x - 2)}{(-1 + x) (3 x - 1) (2 x - 1) (x^2 + 2 x - 1)}$$

Sequence: A005056
Score: 12.1464
Type of gen. func.: ogf

$$\frac{x^2 + 2 x - 1}{(-1 + x) (3 x - 1) (2 x - 1)}$$

Sequence: A005056
Score: 6.43657
Type of gen. func.: ogf

$$-(f(x) + 11) (6 f(x) x^3 - 11 f(x) x^2 + 6 f(x) x - x^2 - f(x) - 2 x + 1)$$

Sequence: A005056
Score: 6.60594
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 11 a(n + 1) - 6 a(n), a(0) = 1, a(1) = 4, a(2) = 12\}$$

Sequence: A005056
Score: 7.45621
Type of gen. func.: lgdogf

$$-\frac{6 x^4 + 24 x^3 - 46 x^2 + 24 x - 4}{6 x^5 + x^4 - 22 x^3 + 22 x^2 - 8 x + 1}$$

Sequence: A005057
Score: 12.2355
Type of gen. func.: ogf

$$-10 f(x) x^2 + 7 f(x) x - f(x) + 3 x$$

Sequence: A005057
Score: 14.6826
Type of gen. func.: lgdogf

$$-\frac{20 x - 7}{10 x^2 - 7 x + 1}$$

Sequence: A005057
Score: 16.1021
Type of gen. func.: revogf

$$-\frac{-7x - 3 + (3x^2 + 14x + 3)^{1/2}\, 3^{1/2}}{20x}$$

Sequence: A005057
Score: 19.3192
Type of gen. func.: ogf

$$\frac{3x}{(5x - 1)(2x - 1)}$$

Sequence: A005057
Score: 27.8691
Type of gen. func.: lgdogf

$$-\frac{20x - 7}{(5x - 1)(2x - 1)}$$

Sequence: A005057
Score: 8.95280
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) + 10 a(n), a(0) = 0, a(1) = 3\}$$

Sequence: A005058
Score: 10.8994
Type of gen. func.: lgdogf

$$-\frac{30x - 8}{15x^2 - 8x + 1}$$

Sequence: A005058
Score: 14.3413
Type of gen. func.: ogf

$$\frac{2x}{(5x - 1)(3x - 1)}$$

Sequence: A005058
Score: 15.7599
Type of gen. func.: revogf

$$-\frac{-1 - 4 x + (x^{2} + 8 x + 1)^{1/2}}{15 x}$$

Sequence: A005058
Score: 19.1370
Type of gen. func.: lgdogf

$$-\frac{2 (-4 + 15 x)}{(5 x - 1) (3 x - 1)}$$

Sequence: A005058
Score: 6.64596
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 15 a(n), a(0) = 0, a(1) = 2\}$$

Sequence: A005058
Score: 9.08283
Type of gen. func.: ogf

$$-15 f(x) x^{2} + 8 f(x) x - f(x) + 2 x$$

Sequence: A005059
Score: 11.8118
Type of gen. func.: ogf

$$-15 f(x) x^{2} + 8 f(x) x - f(x) + x$$

Sequence: A005059
Score: 13.9883
Type of gen. func.: revogf

$$\quad^{2} \qquad\qquad ^{1/2}$$

```
   -1 - 8 x + (4 x  + 16 x + 1)
 - ------------------------------
               30 x
```

Sequence: A005059
Score: 14.1741
Type of gen. func.: lgdogf

$$-\frac{30 x - 8}{15 x^{2} - 8 x + 1}$$

Sequence: A005059
Score: 18.4846
Type of gen. func.: lgdogf

$$-\frac{2 (-4 + 15 x)}{(5 x - 1) (3 x - 1)}$$

Sequence: A005059
Score: 20.8443
Type of gen. func.: ogf

$$\frac{x}{(5 x - 1) (3 x - 1)}$$

Sequence: A005059
Score: 8.64274
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 15 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A005060
Score: 10.8385
Type of gen. func.: lgdogf

$$-\frac{40 x - 9}{20 x^{2} - 9 x + 1}$$

Sequence: A005060
Score: 15.2226
Type of gen. func.: revogf

$$-\frac{-9x-1+(x^2+18x+1)^{1/2}}{40x}$$

Sequence: A005060
Score: 15.9390
Type of gen. func.: ogf

$$\frac{x}{(5x-1)(4x-1)}$$

Sequence: A005060
Score: 20.4920
Type of gen. func.: lgdogf

$$-\frac{40x-9}{(5x-1)(4x-1)}$$

Sequence: A005060
Score: 6.60884
Type of gen. func.: ogf

$$\{a(n+2)-9a(n+1)+20a(n),\ a(0)=0,\ a(1)=1\}$$

Sequence: A005060
Score: 9.03208
Type of gen. func.: ogf

$$-20f(x)x^2+9f(x)x-f(x)+x$$

Sequence: A005061
Score: 11.7894
Type of gen. func.: lgdogf

$$24x-7$$

$$-\frac{}{12 x^{2} - 7 x + 1}$$

Sequence: A005061
Score: 16.5733
Type of gen. func.: revogf

$$-\frac{-1 - 7 x + (x^{2} + 14 x + 1)^{1/2}}{24 x}$$

Sequence: A005061
Score: 17.3374
Type of gen. func.: ogf

$$\frac{x}{(3 x - 1) (4 x - 1)}$$

Sequence: A005061
Score: 22.3102
Type of gen. func.: lgdogf

$$-\frac{24 x - 7}{(4 x - 1) (3 x - 1)}$$

Sequence: A005061
Score: 7.18868
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) + 12 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A005061
Score: 9.82455
Type of gen. func.: ogf

$$-12 f(x) x^{2} + 7 f(x) x - f(x) + x$$

Sequence: A005062
Score: 10.1970
Type of gen. func.: lgdogf

$$-\frac{60 x - 11}{30 x^2 - 11 x + 1}$$

Sequence: A005062
Score: 14.4794
Type of gen. func.: revogf

$$-\frac{-1 - 11 x + (x^2 + 22 x + 1)^{1/2}}{60 x}$$

Sequence: A005062
Score: 15.1498
Type of gen. func.: ogf

$$\frac{x}{(6 x - 1) (5 x - 1)}$$

Sequence: A005062
Score: 19.3058
Type of gen. func.: lgdogf

$$-\frac{60 x - 11}{(6 x - 1) (5 x - 1)}$$

Sequence: A005062
Score: 6.38848
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 30 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A005062
Score: 8.69253
Type of gen. func.: ogf

2

$$-30 f(x) x + 11 f(x) x - f(x) + x$$

Sequence: A005102
Score: 4.75453
Type of gen. func.: ogf

$$\frac{x^{14} - x^{13} + x^{12} + x^{11} - x^{10} - x^{9} + x^{8} + x^{7} + x^{6} - x^{3} - x^{2} - x - 1}{-1 + x}$$

Sequence: A005120
Score: 6.35892
Type of gen. func.: ogf

$$\frac{x (x^{2} + x + 1)^{2}}{x^{6} + 3 x^{5} + 5 x^{4} + 5 x^{3} + 5 x^{2} + 3 x + 1}$$

Sequence: A005120
Score: 8.25806
Type of gen. func.: lgdogf

$$-\frac{(2 x + 1) (x^{6} + 3 x^{5} + 6 x^{4} + 7 x^{3} + 4 x^{2} + x + 1)}{(x^{2} + x + 1) (x^{6} + 3 x^{5} + 5 x^{4} + 5 x^{3} + 5 x^{2} + 3 x + 1)}$$

Sequence: A005126
Score: 13.0071
Type of gen. func.: ogf

$$-\frac{x^{2} - 4 x + 2}{(2 x - 1) (-1 + x)^{2}}$$

Sequence: A005126
Score: 16.5814
Type of gen. func.: lgdogf

3 2

$$-\frac{2\,(x - 7\,x + 7\,x - 2)}{(-1 + x)\,(2\,x - 1)\,(x^{2} - 4\,x + 2)}$$

Sequence: A005126
Score: 7.08421
Type of gen. func.: ogf

$$(5\,f(x) - 33)\,(2\,f(x)\,x^{3} - 5\,f(x)\,x^{2} + 4\,f(x)\,x + x^{2} - f(x) - 4\,x + 2)$$

Sequence: A005126
Score: 7.08421
Type of gen. func.: ogf

$$\{a(n + 3) - 4\,a(n + 2) + 5\,a(n + 1) - 2\,a(n),\ a(0) = 2,\ a(1) = 4,\ a(2) = 7\}$$

Sequence: A005126
Score: 9.33448
Type of gen. func.: lgdogf

$$-\frac{-2\,x^{3} + 14\,x^{2} - 14\,x + 4}{-2\,x^{4} + 11\,x^{3} - 17\,x^{2} + 10\,x - 2}$$

Sequence: A005131
Score: 8.01922
Type of gen. func.: lgdogf

$$-\frac{x\,(1 + x)\,(x^{5} - 5\,x^{4} + 8\,x^{3} - 7\,x^{2} - x - 2)}{(-1 + x)\,(x^{2} + x + 1)\,(x^{2} - x + 1)\,(x^{3} - x^{2} - x - 1)}$$

Sequence: A005131
Score: 8.07771
Type of gen. func.: ogf

$$-\frac{(x^{2} - x + 1)\,(x^{3} - x^{2} - x - 1)}{{}^{2}\qquad{}^{2}\qquad{}^{2}}$$

$$(x + x + 1)\ (-1 + x)$$

Sequence: A005138
Score: 2.87901
Type of gen. func.: ogf

$$(f(x)\ x - f(x) + x)^3$$

Sequence: A005151
Score: 3.65631
Type of gen. func.: ogf

$$(9899010\ x^{12} + 9900990\ x^{11} - 10001000\ x^{10} - 31007101\ x^9 + 98010\ x^8 + 99990\ x^7 - 101000\ x^6 - 208101\ x^5 - 2000\ x^4 - 1091\ x^3 - 10\ x^2 - 10\ x - 1)/(-1 + x)$$

Sequence: A005152
Score: 6.21611
Type of gen. func.: ogf

$$\frac{x\ (x^{10} - 2\ x^9 + 2\ x^8 - x^7 + x^4 - x^3 + x^2 + 1)}{(-1 + x)^2}$$

Sequence: A005159
Score: 10.0985
Type of gen. func.: lgdogf

$$\frac{6}{(1 - 12\ x)^{1/2}\ (1 + (1 - 12\ x)^{1/2})}$$

Sequence: A005159
Score: 15.2709
Type of gen. func.: ogf

$$-1 + f(x) - 3\ f(x)^2\ x$$

Sequence: A005159
Score: 17.5464
Type of gen. func.: lgdogf

$$\frac{6}{(1 - 12 x)^{1/2} (1 + (1 - 12 x)^{1/2})}$$

Sequence: A005159
Score: 5.90668
Type of gen. func.: ogf

$$\{(-12 n - 18) a(n + 1) + (n + 3) a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A005159
Score: 55.8295
Type of gen. func.: revogf

$$-x (3 x - 1)$$

Sequence: A005165
Score: 4.90383
Type of gen. func.: ogf

$$\{(n + 3) a(n + 1) + (n + 2) a(n + 2) - a(n + 3), a(0) = 0, a(1) = 1, a(2) = 1\}$$

Sequence: A005170
Score: 2.19831
Type of gen. func.: ogf

$$-(f(x) x^2 + f(x) x - f(x) - x + 1)^2$$

Sequence: A005172
Score: 22.3777
Type of gen. func.: revegf]

$$-x + \ln(2 x + 1)$$

Sequence: A005172
Score: 64.2869
Type of gen. func.: revegf]

```
                                -x + ln(2 x + 1)
```

Sequence: A005173
Score: 10.8776
Type of gen. func.: ogf

```
                                   x (6 x + 1)
                         - ----------------------------
                           (-1 + x) (3 x - 1) (2 x - 1)
```

Sequence: A005173
Score: 11.2953
Type of gen. func.: lgdogf

```
                                  3       2
                           2 (36 x  - 24 x  - 11 x + 6)
                    - --------------------------------------
                      (-1 + x) (3 x - 1) (2 x - 1) (6 x + 1)
```

Sequence: A005173
Score: 5.2575
Type of gen. func.: ogf

```
                                 3            2                  2
  -(63863 f(x) - 42330) (6 f(x) x  - 11 f(x) x  + 6 f(x) x + 6 x  - f(x) + x)
```

Sequence: A005173
Score: 5.58319
Type of gen. func.: ogf

```
 {a(n + 3) - 6 a(n + 2) + 11 a(n + 1) - 6 a(n), a(0) = 0, a(1) = 1, a(2) = 12}
```

Sequence: A005173
Score: 7.60120
Type of gen. func.: lgdogf

```
                                3       2
                            72 x  - 48 x  - 22 x + 12
                          - -------------------------
```

$$36 x^{4} - 60 x^{3} + 25 x^{2} - 1$$

Sequence: A005174
Score: 4.63207
Type of gen. func.: ogf

$$-(78120745 f(x) + 58666596)$$

$$(24 f(x) x^{4} - 50 f(x) x^{3} + 35 f(x) x^{2} - 24 x^{3} - 10 f(x) x - 10 x^{2} + f(x))$$

Sequence: A005174
Score: 9.44940
Type of gen. func.: ogf

$$\frac{2 x^{2} (12 x + 5)}{(-1 + x) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A005175
Score: 7.67542
Type of gen. func.: ogf

$$-\frac{x^{2} (120 x^{2} + 86 x + 3)}{(-1 + x) (4 x - 1) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A005178
Score: 10.0991
Type of gen. func.: ogf

$$-\frac{x (-1 + x) (1 + x)}{x^{4} - x^{3} - 5 x^{2} - x + 1}$$

Sequence: A005178
Score: 10.4266
Type of gen. func.: lgdogf

$$-\frac{2 x^{5} - x^{4} - 4 x^{3} + 4 x^{2} + 8 x + 1}{}$$

$$(-1 + x) (1 + x) (x^4 - x^3 - 5 x^2 - x + 1)$$

Sequence: A005178
Score: 6.37325
Type of gen. func.: ogf

$$-f(x) x^4 + f(x) x^3 + 5 f(x) x^2 - x^3 + f(x) x - f(x) + x$$

Sequence: A005183
Score: 12.8971
Type of gen. func.: ogf

$$- \frac{3 x^2 - 3 x + 1}{(-1 + x) (2 x - 1)^2}$$

Sequence: A005183
Score: 13.8130
Type of gen. func.: lgdogf

$$- \frac{6 x^3 - 9 x^2 + 6 x - 2}{(-1 + x) (2 x - 1) (3 x^2 - 3 x + 1)}$$

Sequence: A005183
Score: 7.02431
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 8 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A005183
Score: 8.83957
Type of gen. func.: ogf

$$-4 f(x) x^3 + 8 f(x) x^2 - 5 f(x) x - 3 x^2 + f(x) + 3 x - 1$$

Sequence: A005183
Score: 9.59418
Type of gen. func.: lgdogf

$$-\frac{6 x^3 - 9 x^2 + 6 x - 2}{6 x^4 - 15 x^3 + 14 x^2 - 6 x + 1}$$

Sequence: A005207
Score: 4.50552
Type of gen. func.: ogf

$$-(16 f(x) + 3)$$

$$(f(x) x^4 - 2 f(x) x^3 - 3 f(x) x^2 + x^3 + 4 f(x) x - x^2 - f(x) - 2 x + 1)$$

Sequence: A005207
Score: 8.30886
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 - 2 x + 1}{(x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A005207
Score: 8.70074
Type of gen. func.: lgdogf

$$-\frac{x^6 - 2 x^5 - x^4 + 4 x^3 + 7 x^2 - 8 x + 2}{(x^2 - 3 x + 1) (x^2 + x - 1) (x^3 - x^2 - 2 x + 1)}$$

Sequence: A005212
Score: 11.7764
Type of gen. func.: egf]

$$f(x) x^2 - f(x) + x$$

Sequence: A005212
Score: 13.4120
Type of gen. func.: lgdegf]

$$\frac{2 x}{-x^2 + 1}$$

Sequence: A005212
Score: 16.6494
Type of gen. func.: egf]

$$- \frac{x}{(-1 + x) (1 + x)}$$

Sequence: A005212
Score: 19.6847
Type of gen. func.: revegf]

$$\frac{-1 + (4 x^2 + 1)^{1/2}}{2 x}$$

Sequence: A005212
Score: 31.9876
Type of gen. func.: lgdegf]

$$- \frac{2 x}{(-1 + x) (1 + x)}$$

Sequence: A005212
Score: 4.55502
Type of gen. func.: ogf

$$\{(-n^2 - 5 n - 6) a(n + 1) + a(n + 3), a(0) = 0, a(1) = 1, a(2) = 0\}$$

Sequence: A005232
Score: 14.2799
Type of gen. func.: lgdogf

$$-\frac{6 x^5 - 5 x^4 + 10 x^3 + 4 x + 1}{(-1 + x) (1 + x) (x^2 + 1) (x^2 - x + 1)}$$

Sequence: A005232
Score: 20.1386
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^3 + x^2 + 2 x + 1$$

Sequence: A005232
Score: 8.55423
Type of gen. func.: lgdogf

$$-\frac{-6 x^5 + 5 x^4 - 10 x^3 - 4 x - 1}{-x^6 + x^5 - x^4 + x^2 - x + 1}$$

Sequence: A005232
Score: 9.76188
Type of gen. func.: ogf

$$\frac{x^2 - x + 1}{(x^2 + 1) (1 + x)^2 (-1 + x)^4}$$

Sequence: A005246
Score: 10.2597
Type of gen. func.: lgdogf

$$-\frac{2 x^6 + 6 x^5 + 5 x^4 - 4 x^3 - 2 x^2 + 2 x + 1}{(2 x + 1) (x^2 + x - 1) (x^4 - 4 x^2 + 1)}$$

Sequence: A005246
Score: 11.2677
Type of gen. func.: ogf

$$-\frac{(2x+1)(x^2+x-1)}{x^4-4x^2+1}$$

Sequence: A005246
Score: 7.18041
Type of gen. func.: ogf

$$(10 f(x) - 3) (f(x) x^4 - 4 f(x) x^2 + 2 x^3 + 3 x^2 + f(x) - x - 1)$$

Sequence: A005247
Score: 11.3045
Type of gen. func.: ogf

$$-\frac{x^3 + 3x^2 - x - 2}{(x^2+x-1)(x^2-x-1)}$$

Sequence: A005247
Score: 12.0040
Type of gen. func.: lgdogf

$$-\frac{x^6 + 6x^5 - 8x^3 + 6x + 1}{(x^2+x-1)(x^2-x-1)(x^3+3x^2-x-2)}$$

Sequence: A005247
Score: 6.86722
Type of gen. func.: ogf

$$-(22 f(x) - 17) (f(x) x^4 - 3 f(x) x^2 + x^3 + 3 x^2 + f(x) - x - 2)$$

Sequence: A005248
Score: 12.0873
Type of gen. func.: lgdogf

$$-\frac{-3x^2+4x-3}{-3x^3+11x^2-9x+2}$$

Sequence: A005248
Score: 17.4595
Type of gen. func.: ogf

$$-\frac{3x-2}{x^2-3x+1}$$

Sequence: A005248
Score: 22.7080
Type of gen. func.: lgdogf

$$-\frac{3x^2-4x+3}{(3x-2)(x^2-3x+1)}$$

Sequence: A005248
Score: 8.82783
Type of gen. func.: ogf

$$-(5f(x)-1)(f(x)x^2-3f(x)x+f(x)+3x-2)$$

Sequence: A005248
Score: 9.58143
Type of gen. func.: ogf

$$\{a(n+2)-3a(n+1)+a(n),\ a(0)=2,\ a(1)=3\}$$

Sequence: A005251
Score: 12.6699
Type of gen. func.: ogf

$$\frac{x(-1+x)}{x^3-x^2+2x-1}$$

Sequence: A005251
Score: 16.5431
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 4 x^2 + 2 x - 1}{(-1 + x) (x^3 - x^2 + 2 x - 1)}$$

Sequence: A005251
Score: 6.50616
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 1\}$$

Sequence: A005251
Score: 7.26111
Type of gen. func.: ogf

$$-(f(x) + 1) (f(x) x^3 - f(x) x^2 + 2 f(x) x - x^2 - f(x) + x)$$

Sequence: A005251
Score: 9.02730
Type of gen. func.: lgdogf

$$-\frac{-2 x^3 + 4 x^2 - 2 x + 1}{-x^4 + 2 x^3 - 3 x^2 + 3 x - 1}$$

Sequence: A005252
Score: 13.9630
Type of gen. func.: ogf

$$\frac{-1 + x}{(x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A005252
Score: 14.2232
Type of gen. func.: lgdogf

$$-\frac{3x^4-4x^3-x^2+2x-1}{(-1+x)(x^2-x+1)(x^2+x-1)}$$

Sequence: A005252
Score: 7.18485
Type of gen. func.: ogf

$$(f(x)-1)(f(x)x^4-f(x)x^2+2f(x)x-f(x)-x+1)$$

Sequence: A005252
Score: 7.70874
Type of gen. func.: lgdogf

$$-\frac{-3x^4+4x^3+x^2-2x+1}{-x^5+x^4+x^3-3x^2+3x-1}$$

Sequence: A005253
Score: 13.1738
Type of gen. func.: ogf

$$-\frac{x^4-x+1}{x^5-x^2+2x-1}$$

Sequence: A005253
Score: 6.98782
Type of gen. func.: ogf

$$-(f(x)-2)(f(x)x^5+x^4-f(x)x^2+2f(x)x-f(x)-x+1)$$

Sequence: A005253

Score: 8.37957
Type of gen. func.: lgdogf

$$-\frac{x^8 - 2x^5 - x^4 + 4x^3 + x^2 - 2x + 1}{(x^4 - x + 1)(x^5 - x^2 + 2x - 1)}$$

Sequence: A005258
Score: 3.93393
Type of gen. func.: ogf

$$\{(-n^2 - 4n - 4)\,a(n + 1) + (-11n^2 - 55n - 69)\,a(n + 2) + (n^2 + 6n + 9)\,a(n + 3),\ a(0) = 1,\ a(1) = 3,\ a(2) = 19\}$$

Sequence: A005259
Score: 3.20845
Type of gen. func.: ogf

$$\{(-n^3 - 6n^2 - 12n - 8)\,a(n + 1) + (34n^3 + 255n^2 + 639n + 535)\,a(n + 2) + (-n^3 - 9n^2 - 27n - 27)\,a(n + 3),\ a(0) = 1,\ a(1) = 5,\ a(2) = 73\}$$

Sequence: A005262
Score: 10.4447
Type of gen. func.: ogf

$$-\frac{4x^3 + x^2 + 1}{(2x - 1)(1 + x)(-1 + x)^2}$$

Sequence: A005262
Score: 10.8493
Type of gen. func.: lgdogf

$$-\frac{8x^5 + 12x^4 + 13x^3 - 3x^2 - 3x - 3}{(-1 + x)(2x - 1)(1 + x)(4x^3 + x^2 + 1)}$$

```
------------------------------------------------------------------------------

Sequence:  A005262
Score: 3.83147
Type of gen. func.: ogf


{(6 n + 16) a(n + 1) + (-3 n - 2) a(n + 2) + (-6 n - 13) a(n + 3)

     + (3 n + 5) a(n + 4), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 25}



------------------------------------------------------------------------------

Sequence:  A005262
Score: 5.48534
Type of gen. func.: ogf


(1203 f(x) - 3790)

             4           3         2      3               2
    (2 f(x) x  - 3 f(x) x  - f(x) x  + 4 x  + 3 f(x) x + x  - f(x) + 1)



------------------------------------------------------------------------------

Sequence:  A005262
Score: 7.19305
Type of gen. func.: lgdogf


                         5       4       3      2
                      8 x  + 12 x  + 13 x  - 3 x  - 3 x - 3
                    - -------------------------------------
                          6      5      4      3
                       8 x  - 2 x  - 9 x  + 4 x  - 2 x + 1



------------------------------------------------------------------------------

Sequence:  A005264
Score: 24.3902
Type of gen. func.: revegf]


                          -exp(-x) (exp(x) - 1 - 2 x)



------------------------------------------------------------------------------

Sequence:  A005264
Score: 6.22074
Type of gen. func.: revegf]


                    /  exp(x)
                    |- ------- + 1| (2 exp(-x) x + exp(-x))
                      2 x + 1    /



------------------------------------------------------------------------------

Sequence:  A005286
Score: 10.4807
```

Type of gen. func.: ogf

$$\frac{x^3 - 3 x^2 + 2 x + 1}{(-1 + x)^4}$$

Sequence: A005286
Score: 10.6186
Type of gen. func.: lgdogf

$$- \frac{-x^3 + 3 x^2 - 6}{-x^4 + 4 x^3 - 5 x^2 + x + 1}$$

Sequence: A005286
Score: 20.8365
Type of gen. func.: lgdogf

$$- \frac{x^3 - 3 x^2 + 6}{(-1 + x) (x^3 - 3 x^2 + 2 x + 1)}$$

Sequence: A005286
Score: 4.43413
Type of gen. func.: ogf

$$\{(-n^2 - 21 n - 38) a(n + 1) + (-8 n^2 - 60 n - 124) a(n + 2)$$

$$+ (9 n^2 + 51 n + 72) a(n + 3), a(0) = 1, a(1) = 6, a(2) = 15\}$$

Sequence: A005286
Score: 5.72349
Type of gen. func.: ogf

$$(242 f(x) + 351)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x + 3 x^2 + f(x) - 2 x - 1)$$

Sequence: A005287
Score: 16.6392
Type of gen. func.: lgdogf

$$-\frac{(x - 2) (x^3 - 6 x + 10)}{(-1 + x) (x^4 - 3 x^3 + x^2 + 5 x - 5)}$$

Sequence: A005287
Score: 8.04846
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 2 x^3 + 6 x^2 - 22 x + 20}{-x^5 + 4 x^4 - 4 x^3 - 4 x^2 + 10 x - 5}$$

Sequence: A005287
Score: 8.38735
Type of gen. func.: ogf

$$\frac{x^4 - 3 x^3 + x^2 + 5 x - 5}{(-1 + x)^5}$$

Sequence: A005288
Score: 5.44539
Type of gen. func.: ogf

$$\frac{x^6 - 3 x^5 - x^4 + 13 x^3 - 16 x^2 + 4 x + 3}{(-1 + x)^6}$$

Sequence: A005288
Score: 8.23229
Type of gen. func.: lgdogf

$$-\frac{3 x^5 - 17 x^4 + 35 x^3 - 25 x^2 - 12 x + 22}{(-1 + x) (x^6 - 3 x^5 - x^4 + 13 x^3 - 16 x^2 + 4 x + 3)}$$

Sequence: A005289
Score: 5.14691
Type of gen. func.: ogf

$$\frac{x^2 (3 x^3 + x^2 + x + 1)}{(x^2 + x + 1) (1 + x)^2 (-1 + x)^6}$$

Sequence: A005289
Score: 6.10472
Type of gen. func.: lgdogf

$$- \frac{(3 x^2 + 2 x + 1) (7 x^4 + 8 x^3 + 9 x^2 + 8 x + 4)}{(-1 + x) (1 + x) (x^2 + x + 1) (3 x^3 + x^2 + x + 1)}$$

Sequence: A005303
Score: 8.97684
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^5 - x^3 - 4 x^2 - 2 x}{-x^2 + 1}$$

Sequence: A005308
Score: 18.2483
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^3}{-x^3 + x^2 + x - 1}$$

Sequence: A005309
Score: 12.7479
Type of gen. func.: ogf_with_Euler_transform]

3   2

$$-\frac{-x - 4x - 2x}{x^4 - 2x^2 + 1}$$

Sequence: A005313
Score: 5.57093
Type of gen. func.: ogf

$$\frac{x^3 - 3x^2 - x + 1}{(1 + x)(x^2 - 3x + 1)(-1 + x)^2}$$

Sequence: A005313
Score: 6.22726
Type of gen. func.: lgdogf

$$-\frac{2x^6 - 11x^5 + 9x^4 + 14x^3 - 9x + 3}{(-1 + x)(1 + x)(x^2 - 3x + 1)(x^3 - 3x^2 - x + 1)}$$

Sequence: A005314
Score: 10.4876
Type of gen. func.: ogf

$$-f(x)\,x^3 + f(x)\,x^2 - 2 f(x)\,x + f(x) - x$$

Sequence: A005314
Score: 12.6179
Type of gen. func.: lgdogf

$$-\frac{-3x^2 + 2x - 2}{-x^3 + x^2 - 2x + 1}$$

Sequence: A005314
Score: 17.9454
Type of gen. func.: ogf

$$-\frac{x}{x^3 - x^2 + 2 x - 1}$$

Sequence: A005314
Score: 25.6978
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 2 x + 2}{x^3 - x^2 + 2 x - 1}$$

Sequence: A005314
Score: 7.27518
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A005317
Score: 4.24015
Type of gen. func.: ogf

$$\{(-8 n^2 - 28 n - 24) a(n + 1) + (6 n^2 + 22 n + 18) a(n + 2)$$

$$+ (-n^2 - 4 n - 3) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A005317
Score: 5.67479
Type of gen. func.: ogf

$$-16 f(x)^2 x^3 + 20 f(x)^2 x^2 - 8 f(x)^2 x - 8 f(x) x^2 + f(x)^2 + 6 f(x) x - x^2$$

$$- f(x)$$

Sequence: A005319
Score: 10.9496
Type of gen. func.: ogf

$$-f(x) x^2 + 6 f(x) x - f(x) + 4 x$$

Sequence: A005319
Score: 13.4589
Type of gen. func.: lgdogf

$$-\frac{2 x - 6}{x^2 - 6 x + 1}$$

Sequence: A005319
Score: 16.3270
Type of gen. func.: revogf

$$-\frac{-2 - 3 x + 2 (2 x + 1)^{1/2} (1 + x)^{1/2}}{x}$$

Sequence: A005319
Score: 17.4602
Type of gen. func.: ogf

$$\frac{4 x}{x^2 - 6 x + 1}$$

Sequence: A005319
Score: 30.3216
Type of gen. func.: lgdogf

$$-\frac{2 (-3 + x)}{x^2 - 6 x + 1}$$

Sequence: A005319
Score: 7.97564
Type of gen. func.: ogf

{a(n + 2) - 6 a(n + 1) + a(n), a(0) = 0, a(1) = 4}

Sequence: A005320
Score: 11.9644
Type of gen. func.: revogf

$$-\frac{-3 - 4 x + (2 x + 1)^{1/2} (3 + 2 x)^{1/2} 3^{1/2}}{2 x}$$

Sequence: A005320
Score: 12.9108
Type of gen. func.: lgdogf

$$-\frac{2 x - 4}{x^2 - 4 x + 1}$$

Sequence: A005320
Score: 16.7492
Type of gen. func.: ogf

$$\frac{3 x}{x^2 - 4 x + 1}$$

Sequence: A005320
Score: 16.9483
Type of gen. func.: ogf

$$-f(x) x^2 + 4 f(x) x - f(x) + 3 x$$

Sequence: A005320
Score: 29.0565
Type of gen. func.: lgdogf

$$-\frac{2 (x - 2)}{x^2 - 4 x + 1}$$

Sequence: A005320
Score: 7.65086

Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + a(n), a(0) = 0, a(1) = 3\}$$

Sequence: A005322
Score: 11.6835
Type of gen. func.: lgdogf

$$- 3/x + \frac{3 I}{x (1 + x)^{1/2} (3 x - 1)^{1/2}}$$

Sequence: A005322
Score: 14.2951
Type of gen. func.: lgdogf

$$-18 - 27 x + (-18 x^2 - 12 x + 6) f(x) + (-3 x^3 - 2 x^2 + x) f(x)^2$$

Sequence: A005322
Score: 4.28396
Type of gen. func.: ogf

$$\{(-3 n^2 - 27 n - 60) a(n + 1) + (-2 n^2 - 21 n - 55) a(n + 2)$$

$$+ (n^2 + 12 n + 27) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A005323
Score: 11.9259
Type of gen. func.: lgdogf

$$-32 - 48 x + (-24 x^2 - 16 x + 8) f(x) + (-3 x^3 - 2 x^2 + x) f(x)^2$$

Sequence: A005323
Score: 3.56411
Type of gen. func.: ogf

$$\{(-3 n^2 - 33 n - 90) a(n + 1) + (-2 n^2 - 25 n - 78) a(n + 2)$$

^{2}

$$+ (n + 14 n + 33) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 14\}$$

Sequence: A005323
Score: 9.77430
Type of gen. func.: lgdogf

$$- 4/x + \frac{4 I}{x (1 + x)^{1/2} (3 x - 1)^{1/2}}$$

Sequence: A005324
Score: 10.2186
Type of gen. func.: lgdogf

$$- 5/x + \frac{5 I}{x (3 x - 1)^{1/2} (1 + x)^{1/2}}$$

Sequence: A005324
Score: 12.2480
Type of gen. func.: lgdogf

$$-50 - 75 x + (-30 x^2 - 20 x + 10) f(x) + (-3 x^3 - 2 x^2 + x) f(x)^2$$

Sequence: A005324
Score: 3.68539
Type of gen. func.: ogf

$$\{(-3 n^2 - 39 n - 126) a(n + 1) + (-2 n^2 - 29 n - 105) a(n + 2)$$

$$+ (n^2 + 16 n + 39) a(n + 3), a(0) = 1, a(1) = 5, a(2) = 20\}$$

Sequence: A005325
Score: 11.5854
Type of gen. func.: lgdogf

$$- 6/x + \frac{6 I}{x (3 x - 1)^{1/2} (1 + x)^{1/2}}$$

Sequence: A005325
Score: 13.4188
Type of gen. func.: lgdogf

$$-\frac{6\left(-1+2x+3x^{2}+(-(1+x)(3x-1))^{1/2}\right)}{x(1+x)(3x-1)}$$

Sequence: A005325
Score: 4.17833
Type of gen. func.: ogf

$$\{(-3n^{2}-45n-168)a(n+1)+(-2n^{2}-33n-136)a(n+2)$$

$$+(n^{2}+18n+45)a(n+3),\ a(0)=1,\ a(1)=6,\ a(2)=27\}$$

Sequence: A005337
Score: 15.8880
Type of gen. func.: lgdogf

$$-\frac{4(3x^{2}-12x+10)}{(-1+x)(6x^{2}-20x+15)}$$

Sequence: A005337
Score: 4.70989
Type of gen. func.: ogf

$$(275 f(x) + 252843)$$

$$(f(x)x^{4}-4f(x)x^{3}+6f(x)x^{2}-4f(x)x-6x^{2}+f(x)+20x-15)$$

Sequence: A005337
Score: 9.15445
Type of gen. func.: ogf

$$\frac{6x^{2}-20x+15}{4}$$

$$(-1 + x)$$

Sequence: A005337
Score: 9.28523
Type of gen. func.: lgdogf

$$-\frac{12 x^2 - 48 x + 40}{6 x^3 - 26 x^2 + 35 x - 15}$$

Sequence: A005338
Score: 10.7233
Type of gen. func.: lgdogf

$$\frac{7 x^6 - 42 x^5 + 55 x^4 - 3 x^2 - 14 x - 8}{(-1 + x) (7 x^6 - 11 x^5 + x^2 + 3 x + 1)}$$

Sequence: A005338
Score: 7.52275
Type of gen. func.: ogf

$$-\frac{7 x^6 - 11 x^5 + x^2 + 3 x + 1}{(-1 + x)^5}$$

Sequence: A005339
Score: 10.9737
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^5 - 6 x^3 + 44 x^2 - 115 x + 77)}{(-1 + x) (x^6 - 4 x^3 + 25 x^2 - 56 x + 35)}$$

Sequence: A005339
Score: 6.79695
Type of gen. func.: ogf

$$\frac{x^{6} - 4 x^{3} + 25 x^{2} - 56 x + 35}{(-1 + x)^{6}}$$

Sequence: A005340
Score: 5.20302
Type of gen. func.: ogf

$$\frac{21 x^{7} - 74 x^{6} + 66 x^{5} - x^{3} - 6 x^{2} - 6 x - 1}{(-1 + x)^{7}}$$

Sequence: A005340
Score: 7.31589
Type of gen. func.: lgdogf

$$- \frac{73 x^{6} - 312 x^{5} + 330 x^{4} - 4 x^{3} - 33 x^{2} - 48 x - 13}{(-1 + x) (21 x^{7} - 74 x^{6} + 66 x^{5} - x^{3} - 6 x^{2} - 6 x - 1)}$$

Sequence: A005357
Score: 18.6789
Type of gen. func.: lgdogf

$$\frac{9 x^{11} - 11 x^{10} + x^{3} - 3 x^{2} - 2}{(-1 + x) (x^{11} + x^{3} + 1)}$$

Sequence: A005357
Score: 5.32752
Type of gen. func.: ogf

$$\frac{x^{3} (x^{26} - x^{19} - 2 x^{11} - x^{8} - x^{3} - 1)}{(x^{26} - x^{8} - 1) (-1 + x)^{2}}$$

Sequence: A005359

Score: 12.9529
Type of gen. func.: egf]

$$-f(x) x^2 + f(x) - 1$$

Sequence: A005359
Score: 14.7519
Type of gen. func.: lgdegf]

$$\frac{2 x}{-x^2 + 1}$$

Sequence: A005359
Score: 21.2428
Type of gen. func.: egf]

$$-\frac{1}{(-1 + x) (1 + x)}$$

Sequence: A005359
Score: 35.0246
Type of gen. func.: lgdegf]

$$-\frac{2 x}{(-1 + x) (1 + x)}$$

Sequence: A005359
Score: 4.96327
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) - a(n + 3), a(0) = 1, a(1) = 0, a(2) = 2\}$$

Sequence: A005367
Score: 10.4533
Type of gen. func.: lgdogf

$$-\frac{80 x^3 - 118 x^2 + 56 x - 9}{}$$

$$(-1 + x) (4 x - 1) (2 x - 1) (5 x - 2)$$

Sequence: A005367
Score: 10.6781
Type of gen. func.: ogf

$$\frac{2 (5 x - 2)}{(-1 + x) (2 x - 1) (4 x - 1)}$$

Sequence: A005367
Score: 5.10694
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 8 a(n), a(0) = 4, a(1) = 18, a(2) = 70\}$$

Sequence: A005367
Score: 5.33907
Type of gen. func.: ogf

$$(243 f(x) - 4232) (8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x - f(x) - 10 x + 4)$$

Sequence: A005367
Score: 6.67384
Type of gen. func.: lgdogf

$$- \frac{80 x^3 - 118 x^2 + 56 x - 9}{40 x^4 - 86 x^3 + 63 x^2 - 19 x + 2}$$

Sequence: A005369
Score: 18.8979
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x}{x^2 + 1}$$

Sequence: A005373
Score: 12.3952
Type of gen. func.: revegf]

$$-\frac{-x^2 + 2 x}{-x^2 - 2 x - 2}$$

Sequence: A005373
Score: 15.8344
Type of gen. func.: revegf]

$$-\frac{x (x - 2)}{x^2 + 2 x + 2}$$

Sequence: A005373
Score: 4.41475
Type of gen. func.: egf]

$$f(x)^2 x^4 + 6 f(x)^2 x^3 + 8 f(x)^2 x^2 + 2 f(x)^2 x + 4 f(x) x^2 - f(x)^2 + 16 f(x) x$$
$$- 4 f(x) + 5$$

Sequence: A005377
Score: 12.0716
Type of gen. func.: ogf

$$\frac{x^4 (x^{26} + x^6 + 1)}{(-1 + x)^2}$$

Sequence: A005377
Score: 12.2695
Type of gen. func.: lgdogf

$$\frac{2 (2 x^6 - 3 x^5 - 1)}{(-1 + x) (x^2 + 1) (x^4 - x^2 + 1)}$$

Sequence: A005380
Score: 14.8806
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x + 2}{-x^2 + 2 x - 1}$$

Sequence: A005386
Score: 11.1394
Type of gen. func.: ogf

$$-\frac{-1 + x}{(1 + x) (x^2 - 5 x + 1)}$$

Sequence: A005386
Score: 13.1369
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 7 x^2 + 8 x + 3}{(-1 + x) (1 + x) (x^2 - 5 x + 1)}$$

Sequence: A005386
Score: 5.22468
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 1, a(1) = 3, a(2) = 16\}$$

Sequence: A005386
Score: 6.59152
Type of gen. func.: ogf

$$(5469 f(x) - 323) (f(x) x^3 - 4 f(x) x^2 - 4 f(x) x + f(x) + x - 1)$$

Sequence: A005386
Score: 8.19985
Type of gen. func.: lgdogf

$$-\frac{-2x^3+7x^2-8x-3}{-x^4+5x^3-5x+1}$$

Sequence: A005387
Score: 10.1638
Type of gen. func.: lgdegf]

$$n\,a(n)+(-n^2+n+2)\,a(n+1)+(-n^2-3n-2)\,a(n+2),\ a(0)=2,\ a(1)=1$$

Sequence: A005389
Score: 11.4325
Type of gen. func.: lgdogf

$$-\frac{2(x^5+3x^4-2x^3+14x^2-11x+3)}{(x^2+2x-1)(x^4+10x^2-8x+1)}$$

Sequence: A005389
Score: 12.1880
Type of gen. func.: ogf

$$-\frac{x^2+2x-1}{x^4+10x^2-8x+1}$$

Sequence: A005389
Score: 6.35003
Type of gen. func.: ogf

$$-(355\,f(x)+29)\,(f(x)\,x^4+10\,f(x)\,x^2-8\,f(x)\,x+x^2+f(x)+2x-1)$$

Sequence: A005389
Score: 6.45857
Type of gen. func.: lgdogf

$$-\frac{2x^5+6x^4-4x^3+28x^2-22x+6}{x^6+2x^5+9x^4+12x^3-25x^2+10x-1}$$

Sequence: A005403
Score: 6.71096
Type of gen. func.: lgdogf

$$-\frac{x^{10}+4x^9+6x^8+4x^7-3x^6-10x^5-13x^4-10x^3+x^2+4x+3}{(1+x)(x^2+x-1)(x^3+x-1)(x^5+2x^4+x^3-2x-1)}$$

Sequence: A005403
Score: 8.09182
Type of gen. func.: ogf

$$-\frac{x^5+2x^4+x^3-2x-1}{(1+x)(x^2+x-1)(x^3+x-1)}$$

Sequence: A005408
Score: 10.8318
Type of gen. func.: ogf

$$\{-a(n+2)+2a(n+1)-a(n),\ a(0)=1,\ a(1)=3\}$$

Sequence: A005408
Score: 14.0985
Type of gen. func.: ogf

$$-f(x)x^2+2f(x)x-f(x)+x+1$$

Sequence: A005408
Score: 19.7379
Type of gen. func.: ogf

$$\frac{1+x}{\qquad{}^{2}}$$

$$(-1 + x)$$

Sequence: A005408
Score: 20.1865
Type of gen. func.: lgdogf

$$-\frac{x + 3}{x^2 - 1}$$

Sequence: A005408
Score: 25.6308
Type of gen. func.: revogf

$$-\frac{-1 - 2 x + (1 + 8 x)^{1/2}}{2 (-1 + x)}$$

Sequence: A005408
Score: 42.1415
Type of gen. func.: ogf_with_Euler_transform]

$$[3 - x]$$

Sequence: A005408
Score: 48.4137
Type of gen. func.: lgdogf

$$-\frac{x + 3}{(-1 + x) (1 + x)}$$

Sequence: A005409
Score: 11.2476
Type of gen. func.: ogf

$$\frac{x^3 + 2 x^2 - 2 x + 1}{(-1 + x) (x^2 + 2 x - 1)}$$

Sequence: A005409
Score: 12.4975
Type of gen. func.: lgdogf

$$-\frac{x^4 + 2 x^3 + 4 x^2 - 2 x - 1}{(-1 + x) (x^2 + 2 x - 1) (x^3 + 2 x^2 - 2 x + 1)}$$

Sequence: A005409
Score: 5.83520
Type of gen. func.: ogf

$\{-a(n + 4) + 3 a(n + 3) - a(n + 2) - a(n + 1), a(0) = 1, a(1) = 1, a(2) = 4,$

$a(3) = 11\}$

Sequence: A005409
Score: 6.20865
Type of gen. func.: ogf

$$-(22 f(x) - 27) (f(x) x^3 + f(x) x^2 - x^3 - 3 f(x) x - 2 x^2 + f(x) + 2 x - 1)$$

Sequence: A005409
Score: 7.46233
Type of gen. func.: lgdogf

$$-\frac{x^4 + 2 x^3 + 4 x^2 - 2 x - 1}{x^6 + 3 x^5 - 3 x^4 - 6 x^3 + 9 x^2 - 5 x + 1}$$

Sequence: A005415
Score: 13.7304
Type of gen. func.: lgdegf]

$$\frac{2 x}{1 + (1 - 4 x)^{1/2}}$$

Sequence: A005418
Score: 13.3631
Type of gen. func.: ogf

$$-\frac{3 x^{2} - 1}{(2 x - 1) (2 x^{2} - 1)}$$

Sequence: A005418
Score: 15.5748
Type of gen. func.: lgdogf

$$-\frac{2 (6 x^{4} - 3 x^{2} - x + 1)}{(2 x - 1) (3 x^{2} - 1) (2 x^{2} - 1)}$$

Sequence: A005418
Score: 6.80084
Type of gen. func.: ogf

$$-(2 f(x) + 37) (4 f(x) x^{3} - 2 f(x) x^{2} - 2 f(x) x + 3 x^{2} + f(x) - 1)$$

Sequence: A005418
Score: 6.80084
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 2, a(2) = 3\}$$

Sequence: A005418
Score: 8.37026
Type of gen. func.: lgdogf

$$-\frac{-12 x^{4} + 6 x^{2} + 2 x - 2}{-12 x^{5} + 6 x^{4} + 10 x^{3} - 5 x^{2} - 2 x + 1}$$

Sequence: A005425
Score: 183.268
Type of gen. func.: lgdegf]

$$x + 2$$

Sequence: A005425
Score: 6.32292
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 1) + a(n + 3) - 2 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A005429
Score: 10.6159
Type of gen. func.: lgdogf

$$- \frac{24 x^2 + 108 x + 24}{16 x^3 + 36 x^2 - 6 x - 1}$$

Sequence: A005429
Score: 18.3426
Type of gen. func.: lgdogf

$$- \frac{12 (2 x^2 + 9 x + 2)}{(4 x - 1) (4 x^2 + 10 x + 1)}$$

Sequence: A005429
Score: 3.64270
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-12 + 6 n) a(n + 3) + (-144 - 36 n) a(n + 2)$$

$$+ (-24 - 16 n) a(n + 1), a(0) = 0, a(1) = 2, a(2) = 48, a(3) = 540\}$$

Sequence: A005430
Score: 21.8365
Type of gen. func.: lgdogf

$$\frac{6}{1 - 4 x}$$

Sequence: A005430
Score: 5.93613
Type of gen. func.: ogf

$$\{(n + 1) a(n + 2) + (-6 - 4 n) a(n + 1), a(0) = 0, a(1) = 2\}$$

Sequence: A005430
Score: 60.2014
Type of gen. func.: lgdogf

$$- \frac{6}{4 x - 1}$$

Sequence: A005430
Score: 8.30324
Type of gen. func.: ogf

$$-64 f(x)^2 x^3 + 48 f(x)^2 x^2 - 12 f(x)^2 x + f(x)^2 - 4 x^2$$

Sequence: A005431
Score: 2.90621
Type of gen. func.: ogf

$$\{(16 n^3 + 8 n^2) a(n) + (8 n^3 + 34 n^2 + 48 n + 24) a(n + 1)$$

$$+ (-n^2 - 5 n - 6) a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A005442
Score: 11.4710
Type of gen. func.: lgdegf]

$$- \frac{-2 x - 1}{-x^2 - x + 1}$$

Sequence: A005442
Score: 16.6852

Type of gen. func.: egf]

$$-\frac{1}{x^2 + x - 1}$$

Sequence: A005442
Score: 29.9351
Type of gen. func.: lgdegf]

$$-\frac{2 x + 1}{x^2 + x - 1}$$

Sequence: A005442
Score: 3.87754
Type of gen. func.: ogf

$\{(n^2 + 5 n + 6) a(n + 1) + (n + 3) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 1,$

$a(2) = 4\}$

Sequence: A005442
Score: 6.79766
Type of gen. func.: egf]

$$(5 f(x) - 4) (f(x) x^2 + f(x) x - f(x) + 1)$$

Sequence: A005443
Score: 11.1030
Type of gen. func.: lgdegf]

$$-\frac{-2 x - 1}{-x^2 - x + 1}$$

Sequence: A005443
Score: 11.7137
Type of gen. func.: egf]

$$f(x) x^2 + f(x) x - f(x) + x$$

Sequence: A005443
Score: 14.4039
Type of gen. func.: egf]

$$-\frac{x}{x^2 + x - 1}$$

Sequence: A005443
Score: 16.3784
Type of gen. func.: revegf]

$$\frac{-1 - x + (5 x^2 + 2 x + 1)^{1/2}}{2 x}$$

Sequence: A005443
Score: 29.1172
Type of gen. func.: lgdegf]

$$-\frac{2 x + 1}{x^2 + x - 1}$$

Sequence: A005443
Score: 3.77974
Type of gen. func.: ogf

$$\{(-n^2 - 5 n - 6) a(n + 1) + (-n - 3) a(n + 2) + a(n + 3), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A005448
Score: 13.5257
Type of gen. func.: ogf

$$-\frac{x^2 + x + 1}{}$$

$$(-1 + x)^{3}$$

Sequence: A005448
Score: 15.8667
Type of gen. func.: lgdogf

$$-\frac{-x^{2} - 4 x - 4}{-x^{3} + 1}$$

Sequence: A005448
Score: 16.5204
Type of gen. func.: revogf

$$-\frac{-2 (9 x + 1)^{(1/3)} + (9 x + 1)^{(2/3)} + 1 - 3 x}{3 (1 + x)}$$

Sequence: A005448
Score: 32.8278
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^{2} + 4]$$

Sequence: A005448
Score: 33.7291
Type of gen. func.: lgdogf

$$-\frac{(x + 2)^{2}}{(-1 + x) (x^{2} + x + 1)}$$

Sequence: A005448
Score: 7.17449
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + x^{2} - f(x) + x + 1)$$

Sequence: A005448
Score: 7.30147
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 4, a(2) = 10\}$$

Sequence: A005449
Score: 14.3383
Type of gen. func.: ogf

$$-\frac{x (x + 2)}{(-1 + x)^3}$$

Sequence: A005449
Score: 17.0267
Type of gen. func.: lgdogf

$$-\frac{7 + 2 x}{x^2 + x - 2}$$

Sequence: A005449
Score: 40.2803
Type of gen. func.: lgdogf

$$-\frac{7 + 2 x}{(x + 2) (-1 + x)}$$

Sequence: A005449
Score: 7.23259
Type of gen. func.: ogf

$$-(81 f(x) - 95) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 2 x)$$

Sequence: A005449
Score: 7.36290
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 2, a(2) = 7}

Sequence: A005460
Score: 17.8958
Type of gen. func.: lgdegf]

$$-\frac{7 + 8 x}{(2 x + 1) (-1 + x)}$$

Sequence: A005460
Score: 5.70138
Type of gen. func.: egf]

$$-\frac{2 x + 1}{(-1 + x)^5}$$

Sequence: A005460
Score: 8.43329
Type of gen. func.: lgdegf]

$$-\frac{7 + 8 x}{2 x^2 - x - 1}$$

Sequence: A005461
Score: 10.1517
Type of gen. func.: lgdegf]

$$-\frac{30 x^2 + 60 x + 15}{6 x^3 + 2 x^2 - 7 x - 1}$$

Sequence: A005461
Score: 18.0645
Type of gen. func.: lgdegf]

$$15 (2 x^2 + 4 x + 1)$$

$$-\frac{}{(-1 + x) (6 x^2 + 8 x + 1)}$$

Sequence: A005461
Score: 5.91449
Type of gen. func.: ogf

$$\{(-n^2 - 10 n - 24) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 15\}$$

Sequence: A005461
Score: 7.01202
Type of gen. func.: egf]

$$-\frac{6 x^2 + 8 x + 1}{(-1 + x)^7}$$

Sequence: A005462
Score: 5.49632
Type of gen. func.: lgdegf]

$$-\frac{144 x^3 + 478 x^2 + 292 x + 31}{(-1 + x) (24 x^3 + 58 x^2 + 22 x + 1)}$$

Sequence: A005475
Score: 10.7979
Type of gen. func.: ogf

$$-\frac{x (3 + 2 x)}{(-1 + x)^3}$$

Sequence: A005475
Score: 12.5608
Type of gen. func.: lgdogf

$$-\frac{4 x + 11}{}$$

$$2 x^2 + x - 3$$

Sequence: A005475
Score: 26.2821
Type of gen. func.: lgdogf

$$-\frac{4 x + 11}{(3 + 2 x) (-1 + x)}$$

Sequence: A005475
Score: 5.44671
Type of gen. func.: ogf

$$(2025 f(x) - 3724) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x) + 3 x)$$

Sequence: A005475
Score: 5.49534
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 3, a(2) = 11\}$$

Sequence: A005476
Score: 10.6693
Type of gen. func.: ogf

$$-\frac{x (3 x + 2)}{(-1 + x)^3}$$

Sequence: A005476
Score: 12.6698
Type of gen. func.: lgdogf

$$-\frac{6 x + 9}{3 x^2 - x - 2}$$

Sequence: A005476
Score: 24.8817
Type of gen. func.: lgdogf

$$-\frac{3\,(3 + 2\,x)}{(3\,x + 2)\,(-1 + x)}$$

Sequence: A005476
Score: 5.19787
Type of gen. func.: ogf

$$-(3175\,f(x) - 5187)\,(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x + 3\,x^{2} - f(x) + 2\,x)$$

Sequence: A005476
Score: 5.47884
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 0,\ a(1) = 2,\ a(2) = 9\}$$

Sequence: A005491
Score: 10.4849
Type of gen. func.: ogf

$$\frac{3\,x^{3} + x^{2} + x + 1}{(-1 + x)^{4}}$$

Sequence: A005491
Score: 10.4934
Type of gen. func.: lgdogf

$$-\frac{3\,x^{3} + 11\,x^{2} + 5\,x + 5}{(-1 + x)\,(3\,x^{3} + x^{2} + x + 1)}$$

Sequence: A005491
Score: 11.7005
Type of gen. func.: lgdogf

$$-\frac{3 x^{3} + 11 x^{2} + 5 x + 5}{3 x^{4} - 2 x^{3} - 1}$$

Sequence: A005491
Score: 4.24914
Type of gen. func.: ogf

$$\{(-61 n^{2} - 503 n - 762) a(n + 1) + (134 n^{2} + 748 n + 180) a(n + 2) + (-73 n^{2} - 209 n + 30) a(n + 3), a(0) = 1, a(1) = 5, a(2) = 15\}$$

Sequence: A005491
Score: 5.72579
Type of gen. func.: ogf

$$(123 f(x) + 109) (f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 3 x^{3} - 4 f(x) x - x^{2} + f(x) - x - 1)$$

Sequence: A005492
Score: 11.6196
Type of gen. func.: lgdogf

$$-\frac{7 x^{4} + 30 x^{3} + 54 x^{2} + 14 x + 15}{(-1 + x) (7 x^{4} + x^{3} + 17 x^{2} - 5 x + 4)}$$

Sequence: A005492
Score: 7.08729
Type of gen. func.: lgdogf

$$-\frac{-7 x^{4} - 30 x^{3} - 54 x^{2} - 14 x - 15}{-7 x^{5} + 6 x^{4} - 16 x^{3} + 22 x^{2} - 9 x + 4}$$

Sequence: A005492
Score: 7.53025

Type of gen. func.: ogf

$$-\frac{7 x^4 + x^3 + 17 x^2 - 5 x + 4}{(-1 + x)^5}$$

Sequence: A005493
Score: 19.7351
Type of gen. func.: lgdegf]

$$-a(n) + (n + 1) a(n + 1), a(0) = 3, a(1) = 1$$

Sequence: A005493
Score: 27.0134
Type of gen. func.: lgdegf]

$$2 + \exp(x)$$

Sequence: A005494
Score: 19.0008
Type of gen. func.: lgdegf]

$$-a(n) + (n + 1) a(n + 1), a(0) = 4, a(1) = 1$$

Sequence: A005494
Score: 23.5140
Type of gen. func.: lgdegf]

$$3 + \exp(x)$$

Sequence: A005517
Score: 10.2947
Type of gen. func.: lgdogf

$$\frac{5 x^6 + 15 x^4 + 16 x^3 + 15 x^2 + 6 x + 2}{(x^4 - 3 x^2 - 2 x - 1) (5 x^3 - 1)}$$

Sequence: A005517
Score: 11.4452
Type of gen. func.: ogf

$$\frac{x^4 - 3 x^2 - 2 x - 1}{5 x^3 - 1}$$

Sequence: A005517
Score: 6.04053
Type of gen. func.: ogf

$$\{a(n + 5) - 5 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 5, a(4) = 9\}$$

Sequence: A005517
Score: 7.49858
Type of gen. func.: ogf

$$-(f(x) - 2) (5 f(x) x^3 - x^4 + 3 x^2 - f(x) + 2 x + 1)$$

Sequence: A005522
Score: 5.99796
Type of gen. func.: lgdogf

$$- \frac{4 x^8 - 20 x^7 + 31 x^6 - 14 x^5 + 35 x^4 - 98 x^3 + 97 x^2 - 40 x + 6}{(-1 + x) (x^2 - 3 x + 1) (x^2 + x - 1) (4 x^4 - 10 x^3 - x^2 + 9 x - 3)}$$

Sequence: A005522
Score: 8.31387
Type of gen. func.: ogf

$$- \frac{2 x^4 + 3 x^3 - 19 x^2 + 17 x - 4}{(-1 + x) (x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A005554
Score: 8.87023

Type of gen. func.: ogf

$$f(x)^2 x^2 + f(x) x^2 + x^2 - f(x) + 2 x + 1$$

Sequence: A005557
Score: 10.5084
Type of gen. func.: lgdogf

$$-\frac{2 (14 x^4 - 77 x^3 + 165 x^2 - 165 x + 66)}{(-1 + x) (14 x^4 - 70 x^3 + 135 x^2 - 120 x + 42)}$$

Sequence: A005557
Score: 6.23589
Type of gen. func.: ogf

$$\{(n^2 + 15 n + 36) a(n + 1) + (-n^2 - 10 n - 16) a(n + 2), a(0) = 42, a(1) = 132\}$$

Sequence: A005557
Score: 7.13476
Type of gen. func.: ogf

$$\frac{14 x^4 - 70 x^3 + 135 x^2 - 120 x + 42}{(-1 + x)^6}$$

Sequence: A005563
Score: 14.6926
Type of gen. func.: ogf

$$\frac{x (-3 + x)}{(-1 + x)^3}$$

Sequence: A005563
Score: 17.4475
Type of gen. func.: lgdogf

$$-\frac{-2x+8}{-x^2+4x-3}$$

Sequence: A005563
Score: 41.2842
Type of gen. func.: lgdogf

$$-\frac{2(x-4)}{(-1+x)(-3+x)}$$

Sequence: A005563
Score: 7.54486
Type of gen. func.: ogf

$$\{a(n+3) - 3a(n+2) + 3a(n+1) - a(n), a(0) = 0, a(1) = 3, a(2) = 8\}$$

Sequence: A005563
Score: 7.82691
Type of gen. func.: ogf

$$(8f(x)+9)(f(x)x^3 - 3f(x)x^2 + 3f(x)x - x^2 - f(x) + 3x)$$

Sequence: A005564
Score: 12.0467
Type of gen. func.: ogf

$$\frac{x^2-4x+6}{(-1+x)^4}$$

Sequence: A005564
Score: 12.4063
Type of gen. func.: lgdogf

$$-\frac{-2x^2+10x-20}{-x^3+5x^2-10x+6}$$

Sequence: A005564
Score: 24.7327
Type of gen. func.: lgdogf

$$-\frac{2\,(x^2 - 5\,x + 10)}{(-1 + x)\,(x^2 - 4\,x + 6)}$$

Sequence: A005564
Score: 4.09470
Type of gen. func.: ogf

$$\{(6\,n + 24)\,a(n + 4) + (-50 - 10\,n)\,a(n + 3) + (20 + 5\,n)\,a(n + 2)$$
$$+ (-n - 3)\,a(n + 1),\ a(0) = 6,\ a(1) = 20,\ a(2) = 45,\ a(3) = 84\}$$

Sequence: A005564
Score: 6.02337
Type of gen. func.: ogf

$$(33993\,f(x) + 130643)$$
$$(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - 4\,f(x)\,x - x^2 + f(x) + 4\,x - 6)$$

Sequence: A005565
Score: 14.3124
Type of gen. func.: lgdogf

$$-\frac{3\,(2\,x^3 - 11\,x^2 + 24\,x - 25)}{(-1 + x)\,(3\,x^3 - 14\,x^2 + 25\,x - 20)}$$

Sequence: A005565
Score: 4.60703
Type of gen. func.: ogf

$$\{(n^2 + 10\,n + 21)\,a(n + 1) + (29 + 7\,n)\,a(n + 2) + (-n^2 - 9\,n - 18)\,a(n + 3),$$
$$a(0) = 20,\ a(1) = 75,\ a(2) = 189\}$$

Sequence: A005565
Score: 8.90693
Type of gen. func.: ogf

$$\frac{3 x^{3} - 14 x^{2} + 25 x - 20}{(-1 + x)^{5}}$$

Sequence: A005565
Score: 9.21407
Type of gen. func.: lgdogf

$$- \frac{-6 x^{3} + 33 x^{2} - 72 x + 75}{-3 x^{4} + 17 x^{3} - 39 x^{2} + 45 x - 20}$$

Sequence: A005566
Score: 4.41373
Type of gen. func.: ogf

$$\{(16 n^{2} + 80 n + 96) a(n + 1) + (8 n + 28) a(n + 2) + (-n^{2} - 9 n - 20) a(n + 3)$$

$$, a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A005567
Score: 6.20207
Type of gen. func.: ogf

$$\frac{2 (4 x^{2} - 10 x + 5)}{(2 x - 1)^{3} (-1 + x)^{3}}$$

Sequence: A005567
Score: 6.34144
Type of gen. func.: lgdogf

$$- \frac{-32 x^{3} + 112 x^{2} - 112 x + 35}{}$$

$$-8 x^4 + 32 x^3 - 44 x^2 + 25 x - 5$$

Sequence: A005567
Score: 9.85440
Type of gen. func.: lgdogf

$$-\frac{32 x^3 - 112 x^2 + 112 x - 35}{(-1 + x) (2 x - 1) (4 x^2 - 10 x + 5)}$$

Sequence: A005568
Score: 6.28179
Type of gen. func.: ogf

$$\{(16 n^2 + 64 n + 60) a(n + 1) + (-n^2 - 7 n - 12) a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A005570
Score: 11.9027
Type of gen. func.: ogf

$$\frac{-17 + x}{(-1 + x)^3}$$

Sequence: A005570
Score: 12.6028
Type of gen. func.: lgdogf

$$-\frac{-2 x + 50}{-x^2 + 18 x - 17}$$

Sequence: A005570
Score: 28.5591
Type of gen. func.: lgdogf

$$-\frac{2 (x - 25)}{(-1 + x) (-17 + x)}$$

Sequence: A005570
Score: 5.49353
Type of gen. func.: ogf

$$(1434368 f(x) - 24462705) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) - x + 17)$$

Sequence: A005570
Score: 5.58908
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 17, a(1) = 50, a(2) = 99\}$$

Sequence: A005571
Score: 11.3057
Type of gen. func.: ogf

$$\frac{4 (x^2 - 4 x + 19)}{(-1 + x)^4}$$

Sequence: A005571
Score: 11.8045
Type of gen. func.: lgdogf

$$-\frac{-2 x^2 + 10 x - 72}{-x^3 + 5 x^2 - 23 x + 19}$$

Sequence: A005571
Score: 16.9355
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 - 5 x + 36)}{(-1 + x) (x^2 - 4 x + 19)}$$

Sequence: A005571
Score: 3.82242
Type of gen. func.: ogf

$$\{(-19 n - 76) a(n + 4) + (141 + 23 n) a(n + 3) + (-20 - 5 n) a(n + 2) + (n + 3) a(n + 1), a(0) = 76, a(1) = 288, a(2) = 700, a(3) = 1376\}$$

Sequence: A005571
Score: 5.57436
Type of gen. func.: ogf

$$(1424640 f(x) + 92105971)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 4 x^2 + f(x) + 16 x - 76)$$

Sequence: A005572
Score: 10.2162
Type of gen. func.: ogf

$$f(x)^2 x^2 + 4 f(x) x - f(x) + 1$$

Sequence: A005572
Score: 15.0688
Type of gen. func.: revogf

$$- \frac{x}{-x^2 - 4 x - 1}$$

Sequence: A005572
Score: 3.91398
Type of gen. func.: ogf

$$\{(-12 n - 24) a(n + 1) + (8 n + 28) a(n + 2) + (-n - 5) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 17\}$$

Sequence: A005572
Score: 45.4145
Type of gen. func.: revogf

$$\frac{x}{x^2 + 4x + 1}$$

Sequence: A005572
Score: 9.52240
Type of gen. func.: lgdogf

$$-\frac{(6x-1)^{1/2}(2x-1)^{1/2}+1}{(6x-1)^{1/2}(2x-1)^{1/2}\,x}$$

Sequence: A005573
Score: 11.1828
Type of gen. func.: revogf

$$-\frac{x^2 + x}{-6x^2 - 6x - 1}$$

Sequence: A005573
Score: 27.1107
Type of gen. func.: revogf

$$\frac{x(1+x)}{6x^2 + 6x + 1}$$

Sequence: A005573
Score: 3.77599
Type of gen. func.: ogf

$\{(-12 n - 24) a(n + 1) + (8 n + 26) a(n + 2) + (-n - 4) a(n + 3), a(0) = 1,$

$a(1) = 5, a(2) = 26\}$

Sequence: A005573
Score: 5.52743
Type of gen. func.: lgdogf

$$-\frac{6 x - 1 + 12 x (6 x - 1)^{1/2} (2 x - 1)^{1/2} - (6 x - 1)^{1/2} (2 x - 1)^{1/2}}{2 (6 x - 1)^{3/2} (2 x - 1)^{1/2} x}$$

Sequence: A005573
Score: 7.552
Type of gen. func.: ogf

$$6 f(x)^2 x^2 - f(x)^2 x + 6 f(x) x - f(x) + 1$$

Sequence: A005578
Score: 11.3493
Type of gen. func.: ogf

$$-\frac{x^2 + x - 1}{(-1 + x) (2 x - 1) (1 + x)}$$

Sequence: A005578
Score: 13.0447
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 4 x^3 - 5 x^2 + 1}{(-1 + x) (2 x - 1) (1 + x) (x^2 + x - 1)}$$

Sequence: A005578
Score: 6.02007
Type of gen. func.: ogf

$$-(f(x) + 3) (2 f(x) x^3 - f(x) x^2 - 2 f(x) x + x^2 + f(x) + x - 1)$$

Sequence: A005578
Score: 6.18133
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - a(n + 1) + 2 a(n), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A005578
Score: 8.24177
Type of gen. func.: lgdogf

$$-\frac{-2x^4 - 4x^3 + 5x^2 - 1}{-2x^5 - x^4 + 5x^3 - 3x + 1}$$

Sequence: A005581
Score: 11.5414
Type of gen. func.: ogf

$$-\frac{x^2 (x - 2)}{(-1 + x)^4}$$

Sequence: A005581
Score: 16.5908
Type of gen. func.: lgdogf

$$-\frac{-3x + 7}{-x^2 + 3x - 2}$$

Sequence: A005581
Score: 37.5571
Type of gen. func.: lgdogf

$$-\frac{-7 + 3x}{(-1 + x)(x - 2)}$$

Sequence: A005581
Score: 5.38079
Type of gen. func.: ogf

$\{(-2 - 2n) a(n + 3) + (7 + 3n) a(n + 2) + (-n - 2) a(n + 1), a(0) = 0,$
$a(1) = 0, a(2) = 2\}$

Sequence: A005581
Score: 7.44259
Type of gen. func.: ogf

$$-f(x) x^4 + 4 f(x) x^3 - 6 f(x) x^2 - x^3 + 4 f(x) x + 2 x^2 - f(x)$$

Sequence: A005582
Score: 10.5465
Type of gen. func.: ogf

$$\frac{x (x - 2)}{(-1 + x)^5}$$

Sequence: A005582
Score: 16.4790
Type of gen. func.: lgdogf

$$-\frac{-4 x + 9}{-x^2 + 3 x - 2}$$

Sequence: A005582
Score: 37.1357
Type of gen. func.: lgdogf

$$-\frac{-9 + 4 x}{(-1 + x) (x - 2)}$$

Sequence: A005582
Score: 5.27327
Type of gen. func.: ogf

$$\{(-4 - 2 n) a(n + 3) + (12 + 3 n) a(n + 2) + (-n - 4) a(n + 1), a(0) = 0,$$
$$a(1) = 2, a(2) = 9\}$$

Sequence: A005583
Score: 15.7701

Type of gen. func.: lgdogf

$$-\frac{-5x+11}{-x^2+3x-2}$$

Sequence: A005583
Score: 34.4679
Type of gen. func.: lgdogf

$$-\frac{-11+5x}{(-1+x)(x-2)}$$

Sequence: A005583
Score: 5.05057
Type of gen. func.: ogf

$\{(6 + 2 n) a(n + 3) + (-17 - 3 n) a(n + 2) + (6 + n) a(n + 1), a(0) = 2,$

$a(1) = 11, a(2) = 36\}$

Sequence: A005583
Score: 9.65921
Type of gen. func.: ogf

$$-\frac{x-2}{(-1+x)^6}$$

Sequence: A005584
Score: 12.4942
Type of gen. func.: lgdogf

$$-\frac{-6x+13}{-x^2+3x-2}$$

Sequence: A005584
Score: 27.2096
Type of gen. func.: lgdogf

$$-\frac{-13 + 6 x}{(-1 + x) (x - 2)}$$

Sequence: A005584
Score: 4.00141
Type of gen. func.: ogf

$\{(6 + 2 n) a(n + 3) + (-19 - 3 n) a(n + 2) + (7 + n) a(n + 1), a(0) = 2,$

$a(1) = 13, a(2) = 49\}$

Sequence: A005584
Score: 6.87883
Type of gen. func.: ogf

$$\frac{x - 2}{(-1 + x)^{7}}$$

Sequence: A005585
Score: 17.9725
Type of gen. func.: lgdogf

$$-\frac{7 + 5 x}{x^{2} - 1}$$

Sequence: A005585
Score: 33.6767
Type of gen. func.: lgdogf

$$-\frac{7 + 5 x}{(-1 + x) (1 + x)}$$

Sequence: A005585
Score: 37.3710
Type of gen. func.: ogf_with_Euler_transform]

$$[7 - x]$$

Sequence: A005585
Score: 5.85771
Type of gen. func.: ogf

{(-n - 3) a(n + 3) + 7 a(n + 2) + (6 + n) a(n + 1), a(0) = 1, a(1) = 7,

a(2) = 27}

Sequence: A005585
Score: 9.88489
Type of gen. func.: ogf

$$\frac{1 + x}{(-1 + x)^6}$$

Sequence: A005586
Score: 11.0028
Type of gen. func.: ogf

$$\frac{x (2 x^2 - 6 x + 5)}{(-1 + x)^4}$$

Sequence: A005586
Score: 11.9881
Type of gen. func.: lgdogf

$$- \frac{-4 x^2 + 14 x - 14}{-2 x^3 + 8 x^2 - 11 x + 5}$$

Sequence: A005586
Score: 21.9940
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^2 - 7 x + 7)}{(-1 + x) (2 x^2 - 6 x + 5)}$$

Sequence: A005586
Score: 3.99604
Type of gen. func.: ogf

$$\{(15 + 5 n) a(n + 4) + (-36 - 11 n) a(n + 3) + (22 + 8 n) a(n + 2)$$

$$+ (-4 - 2 n) a(n + 1), a(0) = 0, a(1) = 5, a(2) = 14, a(3) = 28\}$$

Sequence: A005586
Score: 5.65638
Type of gen. func.: ogf

$$(10826 f(x) - 103877)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 2 x^3 - 4 f(x) x + 6 x^2 + f(x) - 5 x)$$

Sequence: A005587
Score: 14.4823
Type of gen. func.: lgdogf

$$- \frac{10 x^3 - 45 x^2 + 72 x - 42}{(-1 + x) (5 x^3 - 20 x^2 + 28 x - 14)}$$

Sequence: A005587
Score: 6.50089
Type of gen. func.: ogf

$$\{(n^2 + 11 n + 18) a(n + 1) + (-n^2 - 7 n - 6) a(n + 2), a(0) = 0, a(1) = 14\}$$

Sequence: A005587
Score: 8.43733
Type of gen. func.: ogf

$$\frac{x (5 x^3 - 20 x^2 + 28 x - 14)}{(-1 + x)^5}$$

Sequence: A005587
Score: 9.01260
Type of gen. func.: lgdogf

$$-\frac{-10 x^{3} + 45 x^{2} - 72 x + 42}{-5 x^{4} + 25 x^{3} - 48 x^{2} + 42 x - 14}$$

Sequence: A005592
Score: 11.6531
Type of gen. func.: lgdogf

$$-\frac{x^{4} - 4 x^{3} + 10 x^{2} - 14 x + 6}{(-1 + x) (x^{2} - 3 x + 1) (x^{2} - 2 x + 2)}$$

Sequence: A005592
Score: 12.8800
Type of gen. func.: ogf

$$-\frac{2 x^{2} - 2 x + 1}{(-1 + x) (x^{2} - 3 x + 1)}$$

Sequence: A005592
Score: 6.83197
Type of gen. func.: ogf

$$-(5 f(x) + 3) (f(x) x^{3} - 4 f(x) x^{2} + 4 f(x) x + 2 x^{2} - f(x) - 2 x + 1)$$

Sequence: A005592
Score: 7.01497
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A005592
Score: 7.93613

Type of gen. func.: lgdogf

$$-\frac{2x^4-4x^3+3x^2-4x+2}{2x^5-10x^4+17x^3-14x^2+6x-1}$$

Sequence: A005593
Score: 6.56735
Type of gen. func.: lgdogf

$$-\frac{x^8-4x^7+4x^6+12x^5-25x^4-10x^3+42x^2-26x+5}{(-1+x)(x^2-3x+1)(x^2+x-1)(x^4-2x^3-x^2+5x-2)}$$

Sequence: A005593
Score: 7.41683
Type of gen. func.: ogf

$$-\frac{x^4-2x^3-x^2+5x-2}{(-1+x)(x^2-3x+1)(x^2+x-1)}$$

Sequence: A005608
Score: 3.44243
Type of gen. func.: ogf

$$(74551106905853\, f(x) + 2192137539817230)$$

$$(360\, f(x)\, x^3 - 438\, f(x)\, x^2 + 79\, f(x)\, x + 9720\, x^2 - f(x) - 9990\, x + 729)$$

Sequence: A005608
Score: 4.05620
Type of gen. func.: ogf

$$\{-a(n+3) + 79\, a(n+2) - 438\, a(n+1) + 360\, a(n),\ a(0) = 729,\ a(1) = 47601,\ a(2) = 3450897\}$$

Sequence: A005608

Score: 7.07095
Type of gen. func.: ogf

$$-\frac{27\,(360\,x^2 - 370\,x + 27)}{(-1 + x)\,(360\,x^2 - 78\,x + 1)}$$

Sequence: A005609
Score: 10.8864
Type of gen. func.: revogf

$$-\frac{-64 - 29\,x + (729\,x^2 + 3264\,x + 4096)^{1/2}}{56\,(4 + x)}$$

Sequence: A005609
Score: 11.1030
Type of gen. func.: ogf

$$-\frac{16\,(7\,x - 4)}{(28\,x - 1)\,(-1 + x)}$$

Sequence: A005609
Score: 12.6586
Type of gen. func.: lgdogf

$$-\frac{196\,x^2 - 224\,x + 109}{(-1 + x)\,(28\,x - 1)\,(7\,x - 4)}$$

Sequence: A005609
Score: 5.5515
Type of gen. func.: ogf

$$-(2937\,f(x) + 2128)\,(28\,f(x)\,x^2 - 29\,f(x)\,x + f(x) + 112\,x - 64)$$

Sequence: A005609
Score: 6.30852
Type of gen. func.: ogf

$$\{a(n + 2) - 29 a(n + 1) + 28 a(n), a(0) = 64, a(1) = 1744\}$$

Sequence: A005609
Score: 7.30461
Type of gen. func.: lgdogf

$$-\frac{-196 x^2 + 224 x - 109}{-196 x^3 + 315 x^2 - 123 x + 4}$$

Sequence: A005610
Score: 11.5550
Type of gen. func.: lgdogf

$$-\frac{12 x - 7}{6 x^2 - 7 x + 1}$$

Sequence: A005610
Score: 14.5845
Type of gen. func.: revogf

$$-\frac{-7 x - 2 + (25 x^2 + 28 x + 4)^{1/2}}{12 x}$$

Sequence: A005610
Score: 17.1574
Type of gen. func.: ogf

$$\frac{2}{(6 x - 1) (-1 + x)}$$

Sequence: A005610
Score: 23.0921
Type of gen. func.: lgdogf

$$-\frac{12 x - 7}{(6 x - 1) (-1 + x)}$$

Sequence: A005610
Score: 6.82160
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) - 6 a(n), a(0) = 2, a(1) = 14\}$$

Sequence: A005610
Score: 6.82161
Type of gen. func.: ogf

$$(37 f(x) + 24) (6 f(x) x^2 - 7 f(x) x + f(x) - 2)$$

Sequence: A005611
Score: 4.85583
Type of gen. func.: ogf

$$-\frac{2 (302400 x^3 - 375360 x^2 + 9680 x - 7)}{(-1 + x) (302400 x^3 - 72960 x^2 + 1400 x - 1)}$$

Sequence: A005616
Score: 13.8935
Type of gen. func.: revegf]

$$-x + \ln(x + 2) + \ln(1 + x) - \ln(2)$$

Sequence: A005618
Score: 12.3085
Type of gen. func.: ogf

$$-\frac{4 (3 x - 1)}{(6 x - 1) (-1 + x)}$$

Sequence: A005618
Score: 13.1955
Type of gen. func.: revogf

$$-\frac{-4 - 7 x + (25 x^2 + 8 x + 16)^{1/2}}{12 (x + 2)}$$

Sequence: A005618
Score: 14.5845
Type of gen. func.: lgdogf

$$-\frac{2 (9 x^2 - 6 x + 2)}{(-1 + x) (6 x - 1) (3 x - 1)}$$

Sequence: A005618
Score: 6.0881
Type of gen. func.: ogf

$$-(97 f(x) - 132) (6 f(x) x^2 - 7 f(x) x + f(x) + 12 x - 4)$$

Sequence: A005618
Score: 6.82160
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) + 6 a(n), a(0) = 4, a(1) = 16\}$$

Sequence: A005618
Score: 8.20570
Type of gen. func.: lgdogf

$$-\frac{-18 x^2 + 12 x - 4}{-18 x^3 + 27 x^2 - 10 x + 1}$$

Sequence: A005619
Score: 4.54454
Type of gen. func.: ogf

$$(7347328 f(x) + 40946755)$$

$$(80 f(x) x^3 - 112 f(x) x^2 + 33 f(x) x + 320 x^2 - f(x) - 288 x + 16)$$

Sequence: A005619
Score: 4.95430
Type of gen. func.: ogf

$\{-a(n + 3) + 33 a(n + 2) - 112 a(n + 1) + 80 a(n), a(0) = 16, a(1) = 240, a(2) = 6448\}$

Sequence: A005619
Score: 8.63464
Type of gen. func.: ogf

$$-\frac{16 (20 x^2 - 18 x + 1)}{(-1 + x) (80 x^2 - 32 x + 1)}$$

Sequence: A005665
Score: 11.2508
Type of gen. func.: lgdogf

$$-\frac{-8 x^3 - 6 x^2 + 5}{-4 x^4 - 2 x^3 + 6 x^2 + x - 1}$$

Sequence: A005665
Score: 12.7621
Type of gen. func.: ogf

$$2 f(x) x^3 - 3 f(x) x - 2 x^2 + f(x) - x$$

Sequence: A005665
Score: 17.4503
Type of gen. func.: ogf

$$\frac{x (2 x + 1)}{(-1 + x) (2 x^2 + 2 x - 1)}$$

Sequence: A005665
Score: 18.7725
Type of gen. func.: lgdogf

$$-\frac{8x^3+6x^2-5}{(-1+x)(2x+1)(2x^2+2x-1)}$$

Sequence: A005665
Score: 9.19424
Type of gen. func.: ogf

$$\{-a(n+3)+3\,a(n+2)-2\,a(n),\ a(0)=0,\ a(1)=1,\ a(2)=5\}$$

Sequence: A005666
Score: 10.3329
Type of gen. func.: lgdogf

$$-\frac{4x^3+12x^2-7}{(-1+x)(x+2)(2x^2+2x-1)}$$

Sequence: A005666
Score: 15.3934
Type of gen. func.: ogf

$$\frac{x(x+2)}{(-1+x)(2x^2+2x-1)}$$

Sequence: A005666
Score: 8.11048
Type of gen. func.: ogf

$$\{a(n+3)-3\,a(n+2)+2\,a(n),\ a(0)=0,\ a(1)=2,\ a(2)=7\}$$

Sequence: A005666
Score: 8.47499

Type of gen. func.: ogf

$$(7 f(x) + 4) (2 f(x) x^3 - 3 f(x) x - x^2 + f(x) - 2 x)$$

Sequence: A005666
Score: 9.79578
Type of gen. func.: lgdogf

$$- \frac{4 x^3 + 12 x^2 - 7}{2 x^4 + 4 x^3 - 3 x^2 - 5 x + 2}$$

Sequence: A005667
Score: 11.1913
Type of gen. func.: lgdogf

$$- \frac{3 x^2 - 2 x - 3}{3 x^3 + 17 x^2 - 9 x + 1}$$

Sequence: A005667
Score: 16.1652
Type of gen. func.: ogf

$$\frac{3 x - 1}{x^2 + 6 x - 1}$$

Sequence: A005667
Score: 19.8581
Type of gen. func.: revogf

$$\frac{-1 - 6 x + (40 x^2 + 1)^{1/2}}{2 (-3 + x)}$$

Sequence: A005667
Score: 20.4255
Type of gen. func.: lgdogf

$$-\frac{3 x^{2} - 2 x - 3}{(3 x - 1) (x^{2} + 6 x - 1)}$$

Sequence: A005667
Score: 8.17342
Type of gen. func.: ogf

$$(370 f(x) - 289) (f(x) x^{2} + 6 f(x) x - f(x) - 3 x + 1)$$

Sequence: A005667
Score: 8.87115
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) + a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A005668
Score: 12.8199
Type of gen. func.: ogf

$$-f(x) x^{2} - 6 f(x) x + f(x) - x$$

Sequence: A005668
Score: 15.3072
Type of gen. func.: revogf

$$\frac{-1 - 6 x + (40 x^{2} + 12 x + 1)^{1/2}}{2 x}$$

Sequence: A005668
Score: 15.7578
Type of gen. func.: lgdogf

$$-\frac{-2 x - 6}{-x^{2} - 6 x + 1}$$

Sequence: A005668
Score: 20.4426
Type of gen. func.: ogf

$$-\frac{x}{x^{2} + 6 x - 1}$$

Sequence: A005668
Score: 27.5529
Type of gen. func.: lgdogf

$$-\frac{2 (x + 3)}{x^{2} + 6 x - 1}$$

Sequence: A005668
Score: 9.33798
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) + a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A005672
Score: 12.2569
Type of gen. func.: lgdogf

$$-\frac{8 x^{3} + 6 x^{2} - 6 x - 1}{(2 x^{2} - 1) (x^{2} + x - 1)}$$

Sequence: A005672
Score: 4.04798
Type of gen. func.: ogf

$$-(2 f(x) - 1) (2 f(x) x^{4} + 2 f(x) x^{3} - 3 f(x) x^{2} - x^{3} - f(x) x + f(x))$$

Sequence: A005672

Score: 9.54713
Type of gen. func.: ogf

$$\frac{x^3}{(2x^2-1)(x^2+x-1)}$$

Sequence: A005673
Score: 10.0873
Type of gen. func.: lgdogf

$$-\frac{10x^4-15x^2+4x+2}{(-1+x)(2x^2-1)(x^2+x-1)}$$

Sequence: A005673
Score: 4.13839
Type of gen. func.: ogf

$$-f(x)\,(2 f(x) x^5 - 5 f(x) x^3 + x^4 + 2 f(x) x^2 + 2 f(x) x - f(x))$$

Sequence: A005673
Score: 9.88149
Type of gen. func.: ogf

$$-\frac{x^4}{(-1+x)(2x^2-1)(x^2+x-1)}$$

Sequence: A005674
Score: 4.12966
Type of gen. func.: ogf

$$-4 f(x) x^5 - 2 f(x) x^4 + 8 f(x) x^3 - x^4 - f(x) x^2 - 3 f(x) x + f(x)$$

Sequence: A005674
Score: 7.92080
Type of gen. func.: ogf

$$-\frac{x^4}{(2x-1)(2x^2-1)(x^2+x-1)}$$

Sequence: A005674
Score: 8.62802
Type of gen. func.: lgdogf

$$-\frac{20x^4+8x^3-24x^2+2x+3}{(2x-1)(2x^2-1)(x^2+x-1)}$$

Sequence: A005676
Score: 10.1354
Type of gen. func.: lgdogf

$$-\frac{2x^5-6x^4+4x^3-6x^2+4x-1}{(-1+x)(x^5-x^4+4x^3-6x^2+4x-1)}$$

Sequence: A005676
Score: 4.71628
Type of gen. func.: ogf

$$f(x)^2\,(f(x)\,x^5-f(x)\,x^4+4\,f(x)\,x^3-6\,f(x)\,x^2-x^3+4\,f(x)\,x+3\,x^2-f(x)-3\,x+1)$$

Sequence: A005676
Score: 8.15639
Type of gen. func.: ogf

$$\frac{(-1+x)^3}{x^5-x^4+4x^3-6x^2+4x-1}$$

Sequence: A005682
Score: 12.2134
Type of gen. func.: lgdogf

$$-\frac{6x^5+4x^3-2}{x^6+x^4-2x+1}$$

Sequence: A005682
Score: 17.3631
Type of gen. func.: lgdogf

$$-\frac{2(3x^5+2x^3-1)}{(x^3+x^2-1)(x^3-x^2+2x-1)}$$

Sequence: A005682
Score: 22.4463
Type of gen. func.: ogf

$$\frac{1}{(x^3+x^2-1)(x^3-x^2+2x-1)}$$

Sequence: A005683
Score: 10.1044
Type of gen. func.: ogf

$$-\frac{x^5+x^4+x^3+x^2-1}{(x^3+x^2-1)(x^3-x^2+2x-1)}$$

Sequence: A005683
Score: 7.80493
Type of gen. func.: lgdogf

$$-\frac{x^{10}+2x^9+2x^8+4x^7+x^6+4x^5+x^4-4x^3-x^2-2x+2}{(x^3+x^2-1)(x^3-x^2+2x-1)(x^5+x^4+x^3+x^2-1)}$$

Sequence: A005684
Score: 6.33011
Type of gen. func.: lgdogf

$$-\frac{2\,(4\,x^{7}+5\,x^{4}-6\,x^{3}+3\,x^{2}-1)}{(x^{2}-x+1)\,(x^{2}+x-1)\,(x^{4}+x^{2}-1)}$$

Sequence: A005684
Score: 7.22772
Type of gen. func.: ogf

$$\frac{1}{(x^{2}-x+1)\,(x^{2}+x-1)\,(x^{4}+x^{2}-1)}$$

Sequence: A005685
Score: 5.60046
Type of gen. func.: ogf

$$-\frac{x^{7}+x^{6}+x^{5}+2\,x^{4}-x^{3}+x^{2}-1}{(x^{2}-x+1)\,(x^{2}+x-1)\,(x^{4}+x^{2}-1)}$$

Sequence: A005686
Score: 15.7269
Type of gen. func.: ogf

$$-\frac{(1+x)\,x}{x^{5}+x^{2}-1}$$

Sequence: A005686
Score: 19.5596
Type of gen. func.: lgdogf

$$-\frac{4\,x^{5}+5\,x^{4}+x^{2}+2\,x+1}{(1+x)\,(x^{5}+x^{2}-1)}$$

Sequence: A005686
Score: 8.68255
Type of gen. func.: lgdogf

$$-\frac{4x^5+5x^4+x^2+2x+1}{x^6+x^5+x^3+x^2-x-1}$$

Sequence: A005686
Score: 9.80618
Type of gen. func.: ogf

$$-f(x)^2\,(f(x)\,x^5+f(x)\,x^2+x^2-f(x)+x)$$

Sequence: A005687
Score: 11.6107
Type of gen. func.: lgdogf

$$-\frac{2\,(5x^9+6x^5-5x^4-2x^3+3x^2-1)}{(x^5+x^2-1)\,(x^5-x^2+2x-1)}$$

Sequence: A005687
Score: 12.4088
Type of gen. func.: ogf

$$\frac{1}{(x^5+x^2-1)\,(x^5-x^2+2x-1)}$$

Sequence: A005688
Score: 5.08306
Type of gen. func.: ogf

$$-\frac{x^9+x^8+x^7+x^6+2x^5-x^3+x^2-1}{(x^5+x^2-1)\,(x^5-x^2+2x-1)}$$

```
------------------------------------------------------------------------------

Sequence:  A005689
Score: 6.11853
Type of gen. func.: ogf

                               5    4    3    2
                              x  + x  + x  + x  + 1
                          - -------------------------
                              3            3
                            (x  + x - 1) (x  - x + 1)


------------------------------------------------------------------------------

Sequence:  A005689
Score: 6.25634
Type of gen. func.: lgdogf

                     10      9      8      7      6    2
                    x   + 2 x  + 3 x  + 4 x  + 3 x  + x  + 2
              - -------------------------------------------------
                  3            5    4    3    2        3
                (x  + x - 1) (x  + x  + x  + x  + 1) (x  - x + 1)


------------------------------------------------------------------------------

Sequence:  A005690
Score: 6.02498
Type of gen. func.: lgdogf

                          11      6      5      3      2
                    2 (6 x   + 7 x  - 6 x  - 2 x  + 3 x  - 1)
                  - -----------------------------------------
                       3            3            6    2
                     (x  + x - 1) (x  - x + 1) (x  + x  - 1)


------------------------------------------------------------------------------

Sequence:  A005690
Score: 6.59627
Type of gen. func.: ogf

                                       1
                    ---------------------------------------
                      3            3            6    2
                    (x  + x - 1) (x  - x + 1) (x  + x  - 1)


------------------------------------------------------------------------------

Sequence:  A005691
Score: 6.18986
Type of gen. func.: ogf

                   11    10    9    8    7      6    3    2
                  x   + x   + x  + x  + x  + 2 x  - x  + x  - 1
```

$$-\frac{}{(x^3+x-1)(x^3-x+1)(x^6+x^2-1)}$$

Sequence: A005698
Score: 10.3092
Type of gen. func.: ogf

$$-\frac{24x^3+8x^2+29x+7}{(8x^2-1)(x^2+1)}$$

Sequence: A005698
Score: 6.16711
Type of gen. func.: ogf

$$(72799 f(x)+638905)(8 f(x) x^4+7 f(x) x^2+24x^3+8x^2-f(x)+29x+7)$$

Sequence: A005700
Score: 4.39696
Type of gen. func.: ogf

$$\{(16n^2+64n+60)a(n+1)+(-n^2-9n-20)a(n+2), a(0)=1, a(1)=1\}$$

Sequence: A005701
Score: 12.4162
Type of gen. func.: lgdogf

$$-\frac{-4x+14}{-x^2+4x-3}$$

Sequence: A005701
Score: 25.8438
Type of gen. func.: lgdogf

$$-\frac{2(-7+2x)}{(-1+x)(-3+x)}$$

Sequence: A005701
Score: 3.97642
Type of gen. func.: ogf

$$\{(3 n + 9) a(n + 3) + (-22 - 4 n) a(n + 2) + (n + 5) a(n + 1), a(0) = 3, a(1) = 14, a(2) = 40\}$$

Sequence: A005701
Score: 8.56892
Type of gen. func.: ogf

$$\frac{-3 + x}{(-1 + x)^{5}}$$

Sequence: A005705
Score: 28.2877
Type of gen. func.: ogf_with_Euler_transform]

$$x^{15} + x^{3} + 2$$

Sequence: A005705
Score: 7.26866
Type of gen. func.: lgdogf

$$- 2 (11 x^{15} + x^{14} + x^{13} + x^{12} + 3 x^{11} + x^{10} + x^{9} + x^{8} + 3 x^{7} + x^{6} + x^{5} + x^{4} + 3 x^{3} + x^{2} + x + 1) / ((x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1) (x^{8} + 1))$$

Sequence: A005705
Score: 7.67753
Type of gen. func.: ogf

$$\frac{1}{(x^{4} + 1) (x^{8} + 1) (x + 1)^{2} (x^{2} + 1)^{2} (x - 1)^{4}}$$

Sequence: A005706
Score: 28.2709
Type of gen. func.: ogf_with_Euler_transform]

$$x^{24} + x^4 + 2$$

Sequence: A005708
Score: 17.3367
Type of gen. func.: lgdogf

$$- \frac{6 x^5 + 1}{x^6 + x - 1}$$

Sequence: A005708
Score: 27.3185
Type of gen. func.: ogf

$$- \frac{1}{x^6 + x - 1}$$

Sequence: A005708
Score: 42.1692
Type of gen. func.: lgdogf

$$- \frac{6 x^5 + 1}{x^6 + x - 1}$$

Sequence: A005709
Score: 13.5465
Type of gen. func.: lgdogf

$$- \frac{7 x^6 + 1}{x^7 + x - 1}$$

Sequence: A005709
Score: 21.3460
Type of gen. func.: ogf

$$-\frac{1}{x^{7}+x-1}$$

Sequence: A005709
Score: 32.8025
Type of gen. func.: lgdogf

$$-\frac{7x^{6}+1}{x^{7}+x-1}$$

Sequence: A005710
Score: 16.1788
Type of gen. func.: lgdogf

$$-\frac{8x^{7}+1}{x^{8}+x-1}$$

Sequence: A005710
Score: 25.4939
Type of gen. func.: ogf

$$-\frac{1}{x^{8}+x-1}$$

Sequence: A005710
Score: 39.2951
Type of gen. func.: lgdogf

$$-\frac{8x^{7}+1}{x^{8}+x-1}$$

Sequence: A005711
Score: 17.2448
Type of gen. func.: ogf

$$-\frac{x^{8}+1}{x^{9}+x-1}$$

Sequence: A005711
Score: 21.2519
Type of gen. func.: lgdogf

$$-\frac{x^{16}+2\,x^{8}+8\,x^{7}+1}{(x^{9}+x-1)\,(x^{8}+1)}$$

Sequence: A005711
Score: 9.82555
Type of gen. func.: lgdogf

$$-\frac{-x^{16}-2\,x^{8}-8\,x^{7}-1}{-x^{17}-2\,x^{9}+x^{8}-x+1}$$

Sequence: A005712
Score: 12.9111
Type of gen. func.: lgdogf

$$-\frac{-3\,x^{2}+2\,x+6}{-x^{3}+2\,x^{2}-1}$$

Sequence: A005712
Score: 24.5132
Type of gen. func.: lgdogf

$$-\frac{3\,x^{2}-2\,x-6}{\quad}$$

$$(x - 1) (x^{2} - x - 1)$$

Sequence: A005712
Score: 4.25640
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + 6 a(n + 3) + (6 + 2 n) a(n + 2) + (-n - 4) a(n + 1),$$
$$a(0) = 1, a(1) = 6, a(2) = 19, a(3) = 45\}$$

Sequence: A005712
Score: 9.80589
Type of gen. func.: ogf

$$\frac{x^{2} - x - 1}{(x - 1)^{5}}$$

Sequence: A005714
Score: 14.9532
Type of gen. func.: lgdogf

$$- \frac{4 x^{3} - 17 x^{2} + 10 x + 10}{(x - 1) (x^{3} - 4 x^{2} + 3 x + 1)}$$

Sequence: A005714
Score: 3.91686
Type of gen. func.: ogf

$$\{(3 n^{2} + 33 n + 90) a(n + 1) + (-7 n^{2} - 61 n - 114) a(n + 2)$$
$$+ (4 n^{2} + 22 n + 30) a(n + 3), a(0) = 1, a(1) = 10, a(2) = 45\}$$

Sequence: A005714
Score: 6.82652
Type of gen. func.: ogf

$${}^{3} \qquad {}^{2}$$

$$-\frac{x - 4x + 3x + 1}{(x - 1)^{7}}$$

Sequence: A005714
Score: 8.63596
Type of gen. func.: lgdogf

$$-\frac{4x^{3} - 17x^{2} + 10x + 10}{x^{4} - 5x^{3} + 7x^{2} - 2x - 1}$$

Sequence: A005715
Score: 15.7913
Type of gen. func.: lgdogf

$$-\frac{5x^{3} - 9x^{2} - 18x + 30}{(x - 1)(x - 2)(x^{2} - 2)}$$

Sequence: A005715
Score: 3.65859
Type of gen. func.: ogf

$$\{(3n^{2} + 39n + 126)a(n + 1) + (-7n^{2} - 72n - 161)a(n + 2)$$
$$+ (4n^{2} + 26n + 42)a(n + 3), a(0) = 4, a(1) = 30, a(2) = 126\}$$

Sequence: A005715
Score: 5.93718
Type of gen. func.: ogf

$$\frac{(x - 2)(x^{2} - 2)}{(x - 1)^{8}}$$

Sequence: A005715
Score: 9.14647

Type of gen. func.: lgdogf

$$-\frac{-5x^3+9x^2+18x-30}{-x^4+3x^3-6x+4}$$

Sequence: A005716
Score: 13.1998
Type of gen. func.: lgdogf

$$-\frac{3(6x^3-18x^2+10x+5)}{(x-1)(3x^3-9x^2+6x+1)}$$

Sequence: A005716
Score: 3.66011
Type of gen. func.: ogf

$$\{(-3n^2-39n-126)a(n+1)+(7n^2+69n+140)a(n+2)$$
$$+(-4n^2-22n-30)a(n+3), a(0)=1, a(1)=15, a(2)=90\}$$

Sequence: A005716
Score: 5.38768
Type of gen. func.: ogf

$$-\frac{3x^3-9x^2+6x+1}{(x-1)^9}$$

Sequence: A005716
Score: 7.83093
Type of gen. func.: lgdogf

$$-\frac{18x^3-54x^2+30x+15}{3x^4-12x^3+15x^2-5x-1}$$

Sequence: A005717
Score: 4.30789
Type of gen. func.: ogf

$$\{(-3 n^2 - 21 n - 36) a(n + 1) + (-2 n^2 - 15 n - 28) a(n + 2) + (n^2 + 8 n + 15) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A005717
Score: 6.82399
Type of gen. func.: ogf

$$3 f(x)^2 x^4 + 2 f(x)^2 x^3 - f(x)^2 x^2 + 3 f(x) x^2 + 2 f(x) x - f(x) + 1$$

Sequence: A005717
Score: 7.01011
Type of gen. func.: lgdogf

$$\frac{I}{x (3 x - 1)^{1/2} (x + 1)^{1/2}} - \frac{6 x^2 + 3 x - 1}{(3 x - 1) (x + 1) x}$$

Sequence: A005718
Score: 11.5442
Type of gen. func.: ogf

$$- \frac{x^2 - 3 x + 3}{(x - 1)^5}$$

Sequence: A005718
Score: 13.8180
Type of gen. func.: lgdogf

$$- \frac{-3 x^2 + 10 x - 12}{-x^3 + 4 x^2 - 6 x + 3}$$

Sequence: A005718
Score: 26.3780
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 10 x + 12}{(x - 1) (x^2 - 3 x + 3)}$$

Sequence: A005718
Score: 4.51480
Type of gen. func.: ogf

$$\{(3 n + 12) a(n + 4) + (-30 - 6 n) a(n + 3) + (18 + 4 n) a(n + 2)$$

$$+ (-n - 4) a(n + 1), a(0) = 3, a(1) = 12, a(2) = 31, a(3) = 65\}$$

Sequence: A005719
Score: 19.3413
Type of gen. func.: lgdogf

$$-\frac{3 x^3 - 5 x^2 - 4 x + 12}{(x - 1) (x^3 - 2 x^2 + 2)}$$

Sequence: A005719
Score: 4.22798
Type of gen. func.: ogf

$$\{(37 n^2 + 417 n + 1076) a(n + 1) + (-68 n^2 - 496 n - 444) a(n + 2)$$

$$+ (31 n^2 + 109 n + 48) a(n + 3), a(0) = 2, a(1) = 12, a(2) = 40\}$$

Sequence: A005719
Score: 8.77766
Type of gen. func.: ogf

$$\frac{x^3 - 2 x^2 + 2}{(x - 1)^6}$$

Sequence: A005719
Score: 9.96969
Type of gen. func.: lgdogf

$$-\frac{3 x^{3} - 5 x^{2} - 4 x + 12}{x^{4} - 3 x^{3} + 2 x^{2} + 2 x - 2}$$

Sequence: A005720
Score: 16.7231
Type of gen. func.: lgdogf

$$-\frac{8 x^{3} - 19 x^{2} + 8 x + 10}{(x - 1) (2 x^{3} - 5 x^{2} + 3 x + 1)}$$

Sequence: A005720
Score: 4.23338
Type of gen. func.: ogf

$$\{(-49 n^{2} - 659 n - 2070) a(n + 1) + (95 n^{2} + 855 n + 1170) a(n + 2)$$

$$+ (-46 n^{2} - 214 n - 228) a(n + 3), a(0) = 1, a(1) = 10, a(2) = 44\}$$

Sequence: A005720
Score: 7.78136
Type of gen. func.: ogf

$$-\frac{2 x^{3} - 5 x^{2} + 3 x + 1}{(x - 1)^{7}}$$

Sequence: A005720
Score: 9.96394
Type of gen. func.: lgdogf

3   2

$$-\frac{-8 x + 19 x - 8 x - 10}{-2 x^{4} + 7 x^{3} - 8 x^{2} + 2 x + 1}$$

Sequence: A005725
Score: 6.96461
Type of gen. func.: ogf

$$16 f(x)^{3} x^{3} + 8 f(x)^{3} x^{2} + 11 f(x)^{3} x - 4 f(x)^{3} - 2 f(x) x + 3 f(x) + 1$$

Sequence: A005727
Score: 19.0683
Type of gen. func.: lgdegf]

$$-n a(n) + (-1 - n) a(n + 1), a(0) = 1, a(1) = 1$$

Sequence: A005727
Score: 19.7039
Type of gen. func.: lgdegf]

$$\ln(x + 1) + 1$$

Sequence: A005732
Score: 11.2129
Type of gen. func.: lgdogf

$$-\frac{-4 x^{3} - 3 x^{2} + 6 x + 8}{-x^{4} + x^{3} + x^{2} - 1}$$

Sequence: A005732
Score: 22.6414
Type of gen. func.: lgdogf

$$-\frac{4 x^{3} + 3 x^{2} - 6 x - 8}{(x - 1) (x^{3} - x - 1)}$$

Sequence: A005732
Score: 4.70816
Type of gen. func.: ogf

$$\{(-5 n^2 - 75 n - 250) a(n + 1) + (9 n^2 + 71 n - 38) a(n + 2) + (-4 n^2 - 2 n + 30) a(n + 3), a(0) = 1, a(1) = 8, a(2) = 35\}$$

Sequence: A005732
Score: 8.78533
Type of gen. func.: ogf

$$\frac{x^3 - x - 1}{(x - 1)^7}$$

Sequence: A005744
Score: 10.1135
Type of gen. func.: lgdogf

$$-\frac{-3 x^3 + x^2 + 6 x + 4}{-x^4 + x^3 + 2 x^2 - x - 1}$$

Sequence: A005744
Score: 19.4504
Type of gen. func.: lgdogf

$$-\frac{3 x^3 - x^2 - 6 x - 4}{(x - 1) (x + 1) (x^2 - x - 1)}$$

Sequence: A005744
Score: 9.98865
Type of gen. func.: ogf

$$-\frac{x (x^2 - x - 1)}{{}^{4}}$$

$$(x + 1) (x - 1)$$

Sequence: A005745
Score: 3.56110
Type of gen. func.: ogf

$$- \frac{x^8 - x^7 - x^6 - 2 x^5 + 2 x^4 + x^3 - 3 x^2 - 2 x - 1}{(x + 1)^2 (x^2 + x + 1)^2 (x - 1)^8}$$

Sequence: A005758
Score: 23.0639
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{12}{-x + 1}$$

Sequence: A005770
Score: 7.11883
Type of gen. func.: ogf

$$\frac{x^3 + 2 x^2 - 3 x + 1}{(4 x - 1) (2 x - 1) (x^2 - 3 x + 1)^2}$$

Sequence: A005773
Score: 10.5763
Type of gen. func.: ogf

$$-3 f(x)^2 x + f(x)^2 + 3 f(x) x - f(x) - x$$

Sequence: A005773
Score: 5.43531
Type of gen. func.: ogf

$$\{-3 n a(n) + (-2 n - 4) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A005774
Score: 3.89381
Type of gen. func.: ogf

$$\{(-3 n^2 - 15 n - 18) a(n + 1) + (-2 n^2 - 14 n - 24) a(n + 2) + (n^2 + 7 n + 10) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 3\}$$

Sequence: A005774
Score: 7.07243
Type of gen. func.: lgdogf

$$\frac{3/2\, I}{x (x + 1)^{1/2} (3 x - 1)^{1/2}} - \frac{3 (4 x - 1)}{2 (3 x - 1) x}$$

Sequence: A005774
Score: 9.00128
Type of gen. func.: ogf

$$-3 f(x)^2 x^3 + f(x)^2 x^2 - 3 f(x) x + f(x) - x$$

Sequence: A005775
Score: 4.28952
Type of gen. func.: ogf

$$\{(-3 n^2 - 27 n - 60) a(n + 1) + (-2 n^2 - 22 n - 60) a(n + 2) + (n^2 + 11 n + 24) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 14\}$$

Sequence: A005775
Score: 7.84245
Type of gen. func.: lgdogf

$$\frac{5/2\, I}{x (x + 1)^{1/2} (3 x - 1)^{1/2}} - \frac{18 x - 5}{2 (3 x - 1) x}$$

Sequence: A005775
Score: 8.92630
Type of gen. func.: lgdogf

$$-20 + 36 x + 81 x^2 + (54 x^3 + 21 x^2 - 28 x + 5) f(x) + (9 x^4 + 3 x^3 - 5 x^2 + x) f(x)^2$$

Sequence: A005789
Score: 5.48412
Type of gen. func.: ogf

$$\{(27 n^2 + 81 n + 60) a(n + 1) + (-n^2 - 7 n - 12) a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A005790
Score: 4.54194
Type of gen. func.: ogf

$$\{(-256 n^3 - 1920 n^2 - 4784 n - 3960) a(n + 1) + (n^3 + 15 n^2 + 74 n + 120) a(n + 2), a(0) = 1, a(1) = 14\}$$

Sequence: A005798
Score: 12.2332
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-8 x + 8}{x^3 + x^2 + x + 1}$$

Sequence: A005802
Score: 4.19699
Type of gen. func.: ogf

$$\{(9 n^2 + 36 n + 36) a(n + 1) + (-10 n^2 - 62 n - 93) a(n + 2) + (n^2 + 10 n + 25) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A005803
Score: 11.3063
Type of gen. func.: ogf

$$-\frac{5x^2-4x+1}{(2x-1)(x-1)^2}$$

Sequence: A005803
Score: 16.2560
Type of gen. func.: lgdogf

$$-\frac{2x^2(5x-3)}{(x-1)(2x-1)(5x^2-4x+1)}$$

Sequence: A005803
Score: 6.26984
Type of gen. func.: ogf

$$\{a(n+3)-4a(n+2)+5a(n+1)-2a(n), a(0)=1, a(1)=0, a(2)=0\}$$

Sequence: A005803
Score: 7.74923
Type of gen. func.: ogf

$$-2f(x)x^3+5f(x)x^2-4f(x)x-5x^2+f(x)+4x-1$$

Sequence: A005803
Score: 9.07476
Type of gen. func.: lgdogf

$$-\frac{-10x^3+6x^2}{-10x^4+23x^3-19x^2+7x-1}$$

Sequence: A005807
Score: 13.8266
Type of gen. func.: revogf

$$-1 - x/2 - \frac{x^2}{2} + \frac{((x^2 + 4) (x + 1)^2)^{1/2}}{2}$$

Sequence: A005807
Score: 3.39478
Type of gen. func.: ogf

$$\{(-4 n^2 - 14 n - 12) a(n + 1) + (17 n^2 + 109 n + 168) a(n + 2)$$
$$+ (-4 n^2 - 32 n - 60) a(n + 3), a(0) = 2, a(1) = 3, a(2) = 7\}$$

Sequence: A005807
Score: 7.39576
Type of gen. func.: revogf

$$- \frac{x^2}{2} - x/2 - 1 + \frac{(x^4 + 2 x^3 + 5 x^2 + 8 x + 4)^{1/2}}{2}$$

Sequence: A005807
Score: 9.861
Type of gen. func.: ogf

$$f(x)^2 x^2 + f(x) x - f(x) + x + 2$$

Sequence: A005809
Score: 11.2450
Type of gen. func.: ogf

$$\mathrm{hypergeom}([1/3, 2/3], [1/2], \frac{27 x}{4})$$

Sequence: A005809
Score: 11.6466
Type of gen. func.: ogf

^{3} ^{3}

$$-27 f(x) \; x + 4 f(x) \; - 3 f(x) - 1$$

Sequence: A005809
Score: 5.21767
Type of gen. func.: ogf

$$\{(27 n^2 + 81 n + 60) a(n + 1) + (-4 n^2 - 14 n - 12) a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A005810
Score: 3.97473
Type of gen. func.: ogf

$$\{(256 n^3 + 1152 n^2 + 1712 n + 840) a(n + 1) + (-27 n^3 - 135 n^2 - 222 n - 120) a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A005815
Score: 4.21838
Type of gen. func.: ogf

$$-(f(x) - 1)^2 (x^5 + 240 f(x) x^2 + 15 f(x) x - 240 x^2 - f(x) - 15 x + 1)$$

Sequence: A005817
Score: 4.01026
Type of gen. func.: ogf

$$\{(-16 n^2 - 80 n - 96) a(n + 1) + (-8 n - 36) a(n + 2) + (n^2 + 13 n + 42) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A005818
Score: 15.4473
Type of gen. func.: lgdogf

$$-\frac{3 x - 7}{2 x^3 - 3 x^2 - 2 x + 3}$$

Sequence: A005818
Score: 16.3216
Type of gen. func.: ogf

$$-\frac{(x+1)(2x-3)}{(x-1)^2}$$

Sequence: A005818
Score: 29.2556
Type of gen. func.: lgdogf

$$-\frac{3x-7}{(x-1)(2x-3)(x+1)}$$

Sequence: A005818
Score: 8.48085
Type of gen. func.: ogf

$$\{-a(n+3)+2a(n+2)-a(n+1), a(0)=3, a(1)=7, a(2)=9\}$$

Sequence: A005818
Score: 9.20263
Type of gen. func.: ogf

$$(4f(x)+37)(f(x)x^2-2f(x)x+2x^2+f(x)-x-3)$$

Sequence: A005822
Score: 8.21605
Type of gen. func.: ogf

$$-\frac{(x-1)(x+1)(x^4+x^3-x^2+x+1)}{x^8-4x^6-x^4-4x^2+1}$$

Sequence: A005824

Score: 10.9003
Type of gen. func.: lgdogf

$$-\frac{8x^5-6x^4-8x^3+5x^2+6x+1}{(x-1)(2x+1)(2x^4-5x^2+1)}$$

Sequence: A005824
Score: 11.2495
Type of gen. func.: ogf

$$-\frac{x(2x+1)(x-1)}{2x^4-5x^2+1}$$

Sequence: A005824
Score: 7.37866
Type of gen. func.: ogf

$$-f(x)\,(2f(x)x^4-5f(x)x^2+2x^3-x^2+f(x)-x)$$

Sequence: A005825
Score: 11.1198
Type of gen. func.: ogf

$$\frac{x(4x^2-2x-1)}{(2x^2-1)(2x^2-5x+1)}$$

Sequence: A005825
Score: 5.9667
Type of gen. func.: ogf

$$-(17f(x)+512)\,(4f(x)x^4-10f(x)x^3-4x^3+5f(x)x+2x^2-f(x)+x)$$

Sequence: A005825
Score: 9.65664
Type of gen. func.: lgdogf

$$-\frac{32 x^5 - 64 x^4 + 24 x^3 + 10 x^2 + 8 x - 7}{(2 x^2 - 1) (4 x^2 - 2 x - 1) (2 x^2 - 5 x + 1)}$$

Sequence: A005826
Score: 5.63608
Type of gen. func.: ogf

$$(3817399 f(x) - 1292290)$$

$$(4 f(x) x^4 - 10 f(x) x^3 - 4 x^3 + 5 f(x) x + 6 x^2 - f(x) + 1)$$

Sequence: A005826
Score: 9.08579
Type of gen. func.: ogf

$$\frac{4 x^3 - 6 x^2 - 1}{(2 x^2 - 1) (2 x^2 - 5 x + 1)}$$

Sequence: A005827
Score: 11.7292
Type of gen. func.: ogf

$$-\frac{2 x^3 - 2 x^2 - 2 x + 1}{(2 x^2 - 1) (2 x^2 - 5 x + 1)}$$

Sequence: A005827
Score: 6.26748
Type of gen. func.: ogf

$$-(11693 f(x) + 1979)$$

$$(4 f(x) x^4 - 10 f(x) x^3 + 2 x^3 + 5 f(x) x - 2 x^2 - f(x) - 2 x + 1)$$

Sequence: A005827
Score: 9.50599

Type of gen. func.: lgdogf

$$-\frac{8x^6-16x^5-4x^4+36x^3-14x^2-4x+3}{(2x^2-1)(2x^2-5x+1)(2x^3-2x^2-2x+1)}$$

Sequence: A005833
Score: 6.09629
Type of gen. func.: ogf

$$-\frac{x(x^5-x^4+x^3+x-1)}{(x-1)(x^2+x+1)(x^4-x^3+2x-1)}$$

Sequence: A005834
Score: 5.98293
Type of gen. func.: ogf

$$-\frac{x(2x^5-2x^4+2x^3-x^2+2x-2)}{(x-1)(x^2+x+1)(x^4-x^3+2x-1)}$$

Sequence: A005843
Score: 13.3081
Type of gen. func.: ogf

$$-f(x)x^2+2f(x)x-f(x)+2x$$

Sequence: A005843
Score: 21.2210
Type of gen. func.: ogf

$$\frac{2x}{(x-1)^2}$$

Sequence: A005843
Score: 28.0420

Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A005843
Score: 33.6019
Type of gen. func.: revogf

$$\frac{2 x}{(1 + (2 x + 1)^{1/2})^2}$$

Sequence: A005843
Score: 9.69353
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 2\}$$

Sequence: A005843
Score: 96.6054
Type of gen. func.: lgdogf

$$- \frac{2}{x - 1}$$

Sequence: A005859
Score: 2.31283
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A005861
Score: 2.62891
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A005862
Score: 2.5238
Type of gen. func.: ogf

$$-(f(x)\,x - f(x) + 1)^3$$

Sequence: A005863
Score: 2.47746
Type of gen. func.: ogf

$$-(f(x)\,x - f(x) + 1)^3$$

Sequence: A005868
Score: 6.50078
Type of gen. func.: ogf

$$-\frac{(x^2 - x + 1)\,(x^8 + x^7 - x^5 - x^4 - x^3 + x + 1)}{(x^2 + 1)\,(x^4 + x^3 + x^2 + x + 1)\,(x + 1)^2\,(x - 1)^3}$$

Sequence: A005869
Score: 34.8891
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3}{-x - 1}$$

Sequence: A005875
Score: 14.0411
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3\,x^2 - 3\,x + 6}{-x^3 - x^2 - x - 1}$$

Sequence: A005876
Score: 14.5070

Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3 x^{2} - x + 4}{-x^{3} - x^{2} - x - 1}$$

Sequence: A005877
Score: 9.92626
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3 x^{2} - x - 2}{x^{3} + x^{2} + x + 1}$$

Sequence: A005878
Score: 35.3282
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3}{-x - 1}$$

Sequence: A005879
Score: 33.5065
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4}{-x - 1}$$

Sequence: A005880
Score: 23.3194
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4}{-x - 1}$$

Sequence: A005881
Score: 14.6914
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^2 - x + 1}{-x^3 - 1}$$

Sequence: A005882
Score: 17.1926
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x - 1}{x^2 + x + 1}$$

Sequence: A005883
Score: 32.8633
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2}{-x - 1}$$

Sequence: A005884
Score: 14.8173
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3x^2 - x - 2}{x^3 + x^2 + x + 1}$$

Sequence: A005886
Score: 37.3868
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3}{-x - 1}$$

Sequence: A005891
Score: 12.6333
Type of gen. func.: lgdogf

$$-\frac{x^2 + 8 x + 6}{x^3 + 2 x^2 - 2 x - 1}$$

Sequence: A005891
Score: 13.2546
Type of gen. func.: ogf

$$-\frac{x^2 + 3 x + 1}{(x - 1)^3}$$

Sequence: A005891
Score: 26.4377
Type of gen. func.: lgdogf

$$-\frac{x^2 + 8 x + 6}{(x - 1) (x^2 + 3 x + 1)}$$

Sequence: A005891
Score: 7.15515
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 6, a(2) = 16\}$$

Sequence: A005891
Score: 7.21903
Type of gen. func.: ogf

$$(6 f(x) - 13) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 3 x + 1)$$

Sequence: A005892
Score: 11.3263
Type of gen. func.: lgdogf

$$-\frac{4 x^2 + 26 x + 12}{}$$

$$4 x^3 + 5 x^2 - 8 x - 1$$

Sequence: A005892
Score: 12.2547
Type of gen. func.: ogf

$$-\frac{4 x^2 + 9 x + 1}{(x - 1)^3}$$

Sequence: A005892
Score: 20.3495
Type of gen. func.: lgdogf

$$-\frac{2 (x + 6) (2 x + 1)}{(x - 1) (4 x^2 + 9 x + 1)}$$

Sequence: A005892
Score: 6.12733
Type of gen. func.: ogf

$$(301644 f(x) - 1684069)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) + 9 x + 1)$$

Sequence: A005892
Score: 6.55732
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 12, a(2) = 37\}$$

Sequence: A005893
Score: 11.4947
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 + 1)}{(x - 1)^3}$$

Sequence: A005893
Score: 15.2525
Type of gen. func.: lgdogf

$$-\frac{-4 x^2 - 4 x - 4}{-x^4 + 1}$$

Sequence: A005893
Score: 24.3041
Type of gen. func.: lgdogf

$$-\frac{4 (x^2 + x + 1)}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A005893
Score: 31.5480
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^3 + 4]$$

Sequence: A005893
Score: 5.91889
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 4, a(2) = 10,

a(3) = 20}

Sequence: A005893
Score: 6.60942
Type of gen. func.: ogf

$$(7 + 38 f(x)) (f(x) x^3 - 3 f(x) x^2 + x^3 + 3 f(x) x + x^2 - f(x) + x + 1)$$

Sequence: A005894
Score: 11.8455
Type of gen. func.: lgdogf

$$-\frac{-x^{3}-5x^{2}-5x-5}{-x^{4}+1}$$

Sequence: A005894
Score: 18.3178
Type of gen. func.: lgdogf

$$-\frac{x^{3}+5x^{2}+5x+5}{(x-1)(x+1)(x^{2}+1)}$$

Sequence: A005894
Score: 28.2277
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^{3}+5]$$

Sequence: A005894
Score: 5.15022
Type of gen. func.: ogf

$$(16 f(x) + 9)$$

$$(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - x^{3} - 4 f(x) x - x^{2} + f(x) - x - 1)$$

Sequence: A005894
Score: 9.23027
Type of gen. func.: ogf

$$\frac{(x+1)(x^{2}+1)}{(x-1)^{4}}$$

Sequence: A005897
Score: 10.9020
Type of gen. func.: ogf

$$-\frac{(x+1)(x^2+4x+1)}{(x-1)^3}$$

Sequence: A005897
Score: 11.5729
Type of gen. func.: lgdogf

$$-\frac{8x^2+20x+8}{x^4+4x^3-4x-1}$$

Sequence: A005897
Score: 18.4299
Type of gen. func.: lgdogf

$$-\frac{4(x+2)(2x+1)}{(x-1)(x+1)(x^2+4x+1)}$$

Sequence: A005897
Score: 5.61373
Type of gen. func.: ogf

$\{a(n+4) - 3a(n+3) + 3a(n+2) - a(n+1), a(0) = 1, a(1) = 8, a(2) = 26, a(3) = 56\}$

Sequence: A005897
Score: 6.11577
Type of gen. func.: ogf

$$(130 f(x) - 301)(f(x) x^3 - 3 f(x) x^2 + x^3 + 3 f(x) x + 5 x^2 - f(x) + 5 x + 1)$$

Sequence: A005898

Score: 16.2865
Type of gen. func.: lgdogf

$$-\frac{x^3 + 13 x^2 + 25 x + 9}{(x - 1) (x + 1) (x^2 + 4 x + 1)}$$

Sequence: A005898
Score: 4.20205
Type of gen. func.: ogf

$$\{(n^2 + 2 n) a(n + 1) + (-2 n^2 - 10 n - 39) a(n + 2) + (n^2 + 8 n + 15) a(n + 3),$$

$$a(0) = 1, a(1) = 9, a(2) = 35\}$$

Sequence: A005898
Score: 5.76513
Type of gen. func.: ogf

$$(1296 f(x) + 4631)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 5 x^2 + f(x) - 5 x - 1)$$

Sequence: A005898
Score: 9.49553
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 4 x + 1)}{(x - 1)^4}$$

Sequence: A005898
Score: 9.88049
Type of gen. func.: lgdogf

$$-\frac{x^3 + 13 x^2 + 25 x + 9}{x^4 + 4 x^3 - 4 x - 1}$$

Sequence: A005899
Score: 11.9968
Type of gen. func.: ogf

$$-\frac{(x+1)^3}{(x-1)^3}$$

Sequence: A005899
Score: 25.8682
Type of gen. func.: lgdogf

$$\frac{6}{-x^2+1}$$

Sequence: A005899
Score: 39.1980
Type of gen. func.: ogf_with_Euler_transform]

[6 - 3 x]

Sequence: A005899
Score: 58.0273
Type of gen. func.: lgdogf

$$-\frac{6}{(x-1)(x+1)}$$

Sequence: A005899
Score: 6.17748
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 6, a(2) = 18,

a(3) = 38}

Sequence: A005899
Score: 6.95615
Type of gen. func.: ogf

$$(f(x) - 1) (f(x) x^3 - 3 f(x) x^2 + x^3 + 3 f(x) x + 3 x^2 - f(x) + 3 x + 1)$$

Sequence: A005900
Score: 10.2759
Type of gen. func.: ogf

$$\frac{x (x + 1)^2}{(x - 1)^4}$$

Sequence: A005900
Score: 17.0487
Type of gen. func.: lgdogf

$$- \frac{2 x + 6}{x^2 - 1}$$

Sequence: A005900
Score: 35.4835
Type of gen. func.: ogf_with_Euler_transform]

[6 - 2 x]

Sequence: A005900
Score: 36.9500
Type of gen. func.: lgdogf

$$- \frac{2 (3 + x)}{(x - 1) (x + 1)}$$

Sequence: A005900
Score: 5.32015
Type of gen. func.: ogf

$-(280 f(x) + 251)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 2 x^2 + f(x) - x)$$

Sequence: A005900
Score: 5.64016
Type of gen. func.: ogf

$\{(n + 2) a(n + 3) - 6 a(n + 2) + (-2 - n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 6\}$

Sequence: A005901
Score: 10.8716
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 + 8 x + 1)}{(x - 1)^3}$$

Sequence: A005901
Score: 11.1961
Type of gen. func.: lgdogf

$$-\frac{12 x^2 + 36 x + 12}{x^4 + 8 x^3 - 8 x - 1}$$

Sequence: A005901
Score: 18.8535
Type of gen. func.: lgdogf

$$-\frac{12 (x^2 + 3 x + 1)}{(x - 1) (x + 1) (x^2 + 8 x + 1)}$$

Sequence: A005901
Score: 5.55660
Type of gen. func.: ogf

$\{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 12, a(2) = 42, a(3) = 92\}$

Sequence: A005901
Score: 6.1487
Type of gen. func.: ogf

$$(74 f(x) - 371) (f(x) x^3 - 3 f(x) x^2 + x^3 + 3 f(x) x + 9 x^2 - f(x) + 9 x + 1)$$

Sequence: A005902
Score: 15.5286
Type of gen. func.: lgdogf

$$- \frac{x^3 + 21 x^2 + 45 x + 13}{(x - 1) (x + 1) (x^2 + 8 x + 1)}$$

Sequence: A005902
Score: 4.00629
Type of gen. func.: ogf

$$\{(-n^2 - 4 n - 4) a(n + 1) + (2 n^2 + 10 n + 25) a(n + 2)$$

$$+ (-n^2 - 6 n - 9) a(n + 3), a(0) = 1, a(1) = 13, a(2) = 55\}$$

Sequence: A005902
Score: 5.73545
Type of gen. func.: ogf

$$(25840 f(x) + 177067)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 9 x^2 + f(x) - 9 x - 1)$$

Sequence: A005902
Score: 9.26130
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 8 x + 1)}{(x - 1)^4}$$

Sequence: A005902
Score: 9.50827
Type of gen. func.: lgdogf

$$-\frac{x^3 + 21 x^2 + 45 x + 13}{x^4 + 8 x^3 - 8 x - 1}$$

Sequence: A005903
Score: 11.5591
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 + 28 x + 1)}{(x - 1)^3}$$

Sequence: A005903
Score: 11.7243
Type of gen. func.: lgdogf

$$-\frac{32 x^2 + 116 x + 32}{x^4 + 28 x^3 - 28 x - 1}$$

Sequence: A005903
Score: 19.1868
Type of gen. func.: lgdogf

$$-\frac{4 (8 x^2 + 29 x + 8)}{(x - 1) (x + 1) (x^2 + 28 x + 1)}$$

Sequence: A005903
Score: 5.99050
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 32, a(2) = 122,

$a(3) = 272\}$

Sequence: A005903
Score: 6.4622
Type of gen. func.: ogf

$$(682 f(x) - 12733) (f(x) x^{3} - 3 f(x) x^{2} + x^{3} + 3 f(x) x + 29 x^{2} - f(x) + 29 x + 1)$$

Sequence: A005904
Score: 16.0877
Type of gen. func.: lgdogf

$$- \frac{x^{3} + 61 x^{2} + 145 x + 33}{(x - 1) (x + 1) (x^{2} + 28 x + 1)}$$

Sequence: A005904
Score: 4.09818
Type of gen. func.: ogf

$$\{(-13 n^{2} - 62 n - 72) a(n + 1) + (26 n^{2} + 130 n + 255) a(n + 2)$$

$$+ (-13 n^{2} - 68 n - 87) a(n + 3), a(0) = 1, a(1) = 33, a(2) = 155\}$$

Sequence: A005904
Score: 5.55338
Type of gen. func.: ogf

$$(238320 f(x) + 5603477)$$

$$(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - x^{3} - 4 f(x) x - 29 x^{2} + f(x) - 29 x - 1)$$

Sequence: A005904
Score: 9.75262
Type of gen. func.: ogf

$$(x + 1) (x^{2} + 28 x + 1)$$

```
-----------------------
              4
       (x - 1)
```

Sequence: A005904
Score: 9.87765
Type of gen. func.: lgdogf

$$-\frac{x^3 + 61 x^2 + 145 x + 33}{x^4 + 28 x^3 - 28 x - 1}$$

Sequence: A005905
Score: 11.7074
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 + 12 x + 1)}{(x - 1)^3}$$

Sequence: A005905
Score: 12.0467
Type of gen. func.: lgdogf

$$-\frac{16 x^2 + 52 x + 16}{x^4 + 12 x^3 - 12 x - 1}$$

Sequence: A005905
Score: 19.4329
Type of gen. func.: lgdogf

$$-\frac{4 (4 x^2 + 13 x + 4)}{(x - 1) (x + 1) (x^2 + 12 x + 1)}$$

Sequence: A005905
Score: 6.11195
Type of gen. func.: ogf

```
{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 16, a(2) = 58,

    a(3) = 128}
```

Sequence: A005905
Score: 6.59703
Type of gen. func.: ogf

```
(314 f(x) - 2429)

           3           2    3                  2
    (f(x) x  - 3 f(x) x  + x  + 3 f(x) x + 13 x  - f(x) + 13 x + 1)
```

Sequence: A005906
Score: 10.1449
Type of gen. func.: ogf

```
                                    2
                                10 x  + 12 x + 1
                                ----------------
                                           4
                                    (x - 1)
```

Sequence: A005906
Score: 10.4390
Type of gen. func.: lgdogf

```
                                    2
                                20 x  + 56 x + 16
                           - -----------------------
                                 3      2
                             10 x  + 2 x  - 11 x - 1
```

Sequence: A005906
Score: 18.1014
Type of gen. func.: lgdogf

```
                                     2
                               4 (5 x  + 14 x + 4)
                          - --------------------------
                                         2
                            (x - 1) (10 x  + 12 x + 1)
```

Sequence: A005906
Score: 4.93347

Type of gen. func.: ogf

$$(85619179 f(x) + 832920929)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 10 x^2 + f(x) - 12 x - 1)$$

Sequence: A005907
Score: 6.57258
Type of gen. func.: ogf

$$- \frac{x^6 - x^5 + x^4 + 2 x^2 - x - 1}{(x - 1) (x^2 + x + 1) (x^4 - x^3 + 2 x - 1)}$$

Sequence: A005908
Score: 4.26909
Type of gen. func.: ogf

$$-(f(x) + 2) (f(x) x^5 + f(x) x^4 + x^4 - f(x) x^2 + x^3 - 2 f(x) x + x^2 + f(x) - x)$$

Sequence: A005908
Score: 7.64220
Type of gen. func.: ogf

$$- \frac{x (x^3 + x^2 + x - 1)}{(x - 1) (x^4 + 2 x^3 + 2 x^2 + x - 1)}$$

Sequence: A005908
Score: 8.22723
Type of gen. func.: lgdogf

$$- \frac{2 x^7 + 4 x^6 + 6 x^5 - x^4 - 2 x^2 + 1}{(x - 1) (x^3 + x^2 + x - 1) (x^4 + 2 x^3 + 2 x^2 + x - 1)}$$

Sequence: A005909
Score: 6.98949

Type of gen. func.: lgdogf

$$-\frac{4x^7+5x^6+6x^5-5x^4-5x^2+2x+3}{(x-1)(2x^3+x^2+x-2)(x^4+2x^3+2x^2+x-1)}$$

Sequence: A005909
Score: 7.19920
Type of gen. func.: ogf

$$-\frac{x(2x^3+x^2+x-2)}{(x-1)(x^4+2x^3+2x^2+x-1)}$$

Sequence: A005910
Score: 12.0659
Type of gen. func.: lgdogf

$$-\frac{2(3x^3+64x^2+106x+19)}{(x-1)(6x^3+55x^2+34x+1)}$$

Sequence: A005910
Score: 4.21153
Type of gen. func.: ogf

$$(2015698944 f(x) + 64305023119) \left(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 6x^3 - 4 f(x) x - 55x^2 + f(x) - 34x - 1 \right)$$

Sequence: A005910
Score: 7.56161
Type of gen. func.: lgdogf

$$-\frac{6x^3+128x^2+212x+38}{6x^4+49x^3-21x^2-33x-1}$$

Sequence: A005910
Score: 8.42306
Type of gen. func.: ogf

$$\frac{6x^3 + 55x^2 + 34x + 1}{(x-1)^4}$$

Sequence: A005911
Score: 11.4303
Type of gen. func.: ogf

$$-\frac{(x+1)(x^2 + 44x + 1)}{(x-1)^3}$$

Sequence: A005911
Score: 11.5936
Type of gen. func.: lgdogf

$$-\frac{48x^2 + 180x + 48}{x^4 + 44x^3 - 44x - 1}$$

Sequence: A005911
Score: 18.5302
Type of gen. func.: lgdogf

$$-\frac{12(4x^2 + 15x + 4)}{(x-1)(x+1)(x^2 + 44x + 1)}$$

Sequence: A005911
Score: 5.92375
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 48, a(2) = 186,

a(3) = 416}

Sequence: A005911
Score: 6.49243
Type of gen. func.: ogf

$$(50 f(x) - 1481) (f(x) x^{3} - 3 f(x) x^{2} + x^{3} + 3 f(x) x + 45 x^{2} - f(x) + 45 x + 1)$$

Sequence: A005912
Score: 10.2516
Type of gen. func.: ogf

$$\frac{8 x^{3} + 93 x^{2} + 52 x + 1}{(x - 1)^{4}}$$

Sequence: A005912
Score: 14.4644
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^{3} + 105 x^{2} + 171 x + 28)}{(x - 1) (8 x^{3} + 93 x^{2} + 52 x + 1)}$$

Sequence: A005912
Score: 4.90833
Type of gen. func.: ogf

$$(5518009824943 f(x) + 291824162010581) (f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 8 x^{3} - 4 f(x) x - 93 x^{2} + f(x) - 52 x - 1)$$

Sequence: A005912
Score: 9.20314
Type of gen. func.: lgdogf

$${}^{3} \qquad {}^{2}$$

$$-\frac{8 x + 210 x + 342 x + 56}{8 x^4 + 85 x^3 - 41 x^2 - 51 x - 1}$$

Sequence: A005913
Score: 5.85538
Type of gen. func.: lgdogf

$$-\frac{x^8 + 2 x^7 + 7 x^6 + 2 x^5 - x^4 - 4 x^3 + 2 x^2 - 2 x + 3}{(x - 1) (x^4 + 2 x^3 + 2 x^2 + x - 1) (x^4 + x^3 + 2 x^2 - x - 1)}$$

Sequence: A005913
Score: 6.63046
Type of gen. func.: ogf

$$-\frac{x^4 + x^3 + 2 x^2 - x - 1}{(x - 1) (x^4 + 2 x^3 + 2 x^2 + x - 1)}$$

Sequence: A005914
Score: 11.5485
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 + 10 x + 1)}{(x - 1)^3}$$

Sequence: A005914
Score: 11.8832
Type of gen. func.: lgdogf

$$-\frac{14 x^2 + 44 x + 14}{x^4 + 10 x^3 - 10 x - 1}$$

Sequence: A005914
Score: 19.1642

Type of gen. func.: lgdogf

$$-\frac{2\,(7\,x^2 + 22\,x + 7)}{(x - 1)\,(x + 1)\,(x^2 + 10\,x + 1)}$$

Sequence: A005914
Score: 6.02899
Type of gen. func.: ogf

$$\{a(n + 4) - 3\,a(n + 3) + 3\,a(n + 2) - a(n + 1),\ a(0) = 1,\ a(1) = 14,\ a(2) = 50,\ a(3) = 110\}$$

Sequence: A005914
Score: 6.61243
Type of gen. func.: ogf

$$(67\,f(x) - 427)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + x^3 + 3\,f(x)\,x + 11\,x^2 - f(x) + 11\,x + 1)$$

Sequence: A005915
Score: 10.5233
Type of gen. func.: ogf

$$\frac{7\,x^2 + 10\,x + 1}{(x - 1)^4}$$

Sequence: A005915
Score: 10.9944
Type of gen. func.: lgdogf

$$-\frac{14\,x^2 + 44\,x + 14}{7\,x^3 + 3\,x^2 - 9\,x - 1}$$

Sequence: A005915
Score: 19.0048
Type of gen. func.: lgdogf

$$-\frac{2\,(7\,x^{2}+22\,x+7)}{(x-1)\,(7\,x^{2}+10\,x+1)}$$

Sequence: A005915
Score: 3.62871
Type of gen. func.: ogf

$$\{(n+4)\,a(n+4)+(13+9\,n)\,a(n+3)+(-50-3\,n)\,a(n+2)$$
$$+(-21-7\,n)\,a(n+1),\ a(0)=1,\ a(1)=14,\ a(2)=57,\ a(3)=148\}$$

Sequence: A005915
Score: 5.37684
Type of gen. func.: ogf

$$(6348\,f(x)+49393)$$
$$(f(x)\,x^{4}-4\,f(x)\,x^{3}+6\,f(x)\,x^{2}-4\,f(x)\,x-7\,x^{2}+f(x)-10\,x-1)$$

Sequence: A005916
Score: 4.24361
Type of gen. func.: ogf

$$(x^{14}-x^{13}+x^{11}+x^{5}-x+1)\ \Big/\ ((x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)\,(x+1)^{2}\,(x-1)^{4})$$

Sequence: A005917
Score: 15.4247
Type of gen. func.: lgdogf

$$-\frac{x^{3}+25\,x^{2}+55\,x+15}{(x-1)\,(x+1)\,(x^{2}+10\,x+1)}$$

Sequence: A005917
Score: 3.97731
Type of gen. func.: ogf

$$\{(-4 n^2 - 17 n - 18) a(n + 1) + (8 n^2 + 40 n + 93) a(n + 2)$$
$$+ (-4 n^2 - 23 n - 33) a(n + 3), a(0) = 1, a(1) = 15, a(2) = 65\}$$

Sequence: A005917
Score: 5.02688
Type of gen. func.: ogf

$$(234 f(x) + 1991)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 11 x^2 + f(x) - 11 x - 1)$$

Sequence: A005917
Score: 9.16292
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 10 x + 1)}{(x - 1)^4}$$

Sequence: A005917
Score: 9.40092
Type of gen. func.: lgdogf

$$- \frac{x^3 + 25 x^2 + 55 x + 15}{x^4 + 10 x^3 - 10 x - 1}$$

Sequence: A005918
Score: 12.1185
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^2 + x + 1)}{(x - 1)^3}$$

Sequence: A005918
Score: 13.0653
Type of gen. func.: lgdogf

$$-\frac{5 x^2 + 8 x + 5}{x^4 + x^3 - x - 1}$$

Sequence: A005918
Score: 22.7971
Type of gen. func.: lgdogf

$$-\frac{5 x^2 + 8 x + 5}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A005918
Score: 33.2653
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 - x + 5$$

Sequence: A005918
Score: 6.24014
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 5, a(2) = 14,

a(3) = 29}

Sequence: A005918
Score: 6.85393
Type of gen. func.: ogf

$$(-91 + 244 f(x)) (f(x) x^3 - 3 f(x) x^2 + x^3 + 3 f(x) x + 2 x^2 - f(x) + 2 x + 1)$$

Sequence: A005919
Score: 10.7797
Type of gen. func.: ogf

$$-\frac{(x + 1)(x^2 + 5x + 1)}{(x - 1)^3}$$

Sequence: A005919
Score: 11.4430
Type of gen. func.: lgdogf

$$-\frac{9x^2 + 24x + 9}{x^4 + 5x^3 - 5x - 1}$$

Sequence: A005919
Score: 18.2211
Type of gen. func.: lgdogf

$$-\frac{3(3x^2 + 8x + 3)}{(x - 1)(x + 1)(x^2 + 5x + 1)}$$

Sequence: A005919
Score: 5.55072
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 9, a(2) = 30,

a(3) = 65}

Sequence: A005919
Score: 6.77087
Type of gen. func.: ogf

$$(68 f(x) - 203)(f(x) x^3 - 3 f(x) x^2 + x^3 + 3 f(x) x + 6 x^2 - f(x) + 6 x + 1)$$

Sequence: A005920
Score: 11.2270
Type of gen. func.: ogf

$$\frac{3 x^{2} + 5 x + 1}{(x - 1)^{4}}$$

Sequence: A005920
Score: 11.9179
Type of gen. func.: lgdogf

$$- \frac{6 x^{2} + 21 x + 9}{3 x^{3} + 2 x^{2} - 4 x - 1}$$

Sequence: A005920
Score: 21.1086
Type of gen. func.: lgdogf

$$- \frac{3 (3 + x) (2 x + 1)}{(x - 1) (3 x^{2} + 5 x + 1)}$$

Sequence: A005920
Score: 3.89279
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (3 + 4 n) a(n + 3) + (-25 - 2 n) a(n + 2)$$

$$+ (-9 - 3 n) a(n + 1), a(0) = 1, a(1) = 9, a(2) = 33, a(3) = 82\}$$

Sequence: A005920
Score: 5.41724
Type of gen. func.: ogf

$$(23005782 f(x) + 91233115)$$

$$(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 4 f(x) x - 3 x^{2} + f(x) - 5 x - 1)$$

Sequence: A005921
Score: 10.7222
Type of gen. func.: egf]

$$-\frac{(x + 1)^2}{x^2 + x - 1}$$

Sequence: A005921
Score: 10.9284
Type of gen. func.: lgdegf]

$$-\frac{3 + x}{x^3 + 2 x^2 - 1}$$

Sequence: A005921
Score: 25.2954
Type of gen. func.: lgdegf]

$$-\frac{3 + x}{(x + 1) (x^2 + x - 1)}$$

Sequence: A005921
Score: 5.85852
Type of gen. func.: egf]

$$-(2 + 7 f(x)) (f(x) x^2 + f(x) x + x^2 - f(x) + 2 x + 1)$$

Sequence: A005922
Score: 10.4280
Type of gen. func.: lgdegf]

$$\frac{2 (x^3 + 3 x^2 + 6 x + 3)}{(x + 1) (x^2 + x - 1) (x^3 + x^2 - 3 x - 1)}$$

Sequence: A005922

Score: 3.55157
Type of gen. func.: egf]

$$(14075 f(x) + 16062) (f(x) x^4 + 2 f(x) x^3 + x^4 - f(x) x^2 + 2 x^3 - 2 f(x) x - 2 x^2 + f(x) - 4 x - 1)$$

Sequence: A005922
Score: 6.39282
Type of gen. func.: egf]

$$- \frac{(x + 1) (x^3 + x^2 - 3 x - 1)}{(x^2 + x - 1)^2}$$

Sequence: A005928
Score: 13.6916
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-2 x^2 - 3 x - 3}{x^3 - 1}$$

Sequence: A005929
Score: 5.53754
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^{29} + x^{17} + x^{11} + 2 x^5}{-x^{30} - x^{24} - x^{18} - x^{12} - x^6 - 1}$$

Sequence: A005943
Score: 5.39609
Type of gen. func.: ogf

$$- \frac{2 x^9 + 2 x^7 - 4 x^6 - 4 x^4 - 2 x^3 - x^2 - 1}{(x - 1)^2}$$

Sequence: A005945
Score: 10.5141
Type of gen. func.: lgdogf

$$-\frac{12 x^{2} + 45 x + 15}{6 x^{3} + 5 x^{2} - 10 x - 1}$$

Sequence: A005945
Score: 18.5297
Type of gen. func.: lgdogf

$$-\frac{3 (4 x^{2} + 15 x + 5)}{(x - 1) (6 x^{2} + 11 x + 1)}$$

Sequence: A005945
Score: 4.61266
Type of gen. func.: ogf

$$-(425386080 f(x) + 1785469387)$$

$$(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 6 x^{3} - 4 f(x) x - 11 x^{2} + f(x) - x)$$

Sequence: A005945
Score: 9.66165
Type of gen. func.: ogf

$$\frac{x (6 x^{2} + 11 x + 1)}{(x - 1)^{4}}$$

Sequence: A005946
Score: 7.88686
Type of gen. func.: ogf

$$-\frac{24 x^{3} + 108 x^{2} + 47 x + 1}{{}^{5}}$$

$$(x - 1)$$

Sequence: A005946
Score: 7.97449
Type of gen. func.: lgdogf

$$-\frac{48 x^{3} + 396 x^{2} + 404 x + 52}{24 x^{4} + 84 x^{3} - 61 x^{2} - 46 x - 1}$$

Sequence: A005968
Score: 9.52578
Type of gen. func.: lgdogf

$$-\frac{3 x^{6} + 12 x^{5} - 2 x^{4} - 44 x^{3} + 29 x^{2} - 4 x - 2}{(x - 1) (x^{2} + 2 x - 1) (x^{2} + 4 x - 1) (x^{2} - x - 1)}$$

Sequence: A005968
Score: 9.76546
Type of gen. func.: ogf

$$\frac{x (x^{2} + 2 x - 1)}{(x - 1) (x^{2} + 4 x - 1) (x^{2} - x - 1)}$$

Sequence: A005969
Score: 5.99770
Type of gen. func.: lgdogf

$$-\frac{3 x^{7} - 25 x^{6} + 17 x^{5} + 199 x^{4} + 179 x^{3} - 89 x^{2} + 14 x + 2}{(x - 1) (x + 1) (x^{2} + 3 x + 1) (x^{2} - 7 x + 1) (x^{2} - 5 x + 1)}$$

Sequence: A005969
Score: 6.37447
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 - 5 x + 1)}{(x^2 + 3 x + 1) (x^2 - 7 x + 1) (x - 1)^2}$$

Sequence: A005970
Score: 10.3618
Type of gen. func.: ogf

$$\frac{4 x^2 - 7 x - 1}{(x - 1) (x + 1) (x^2 - 3 x + 1)}$$

Sequence: A005970
Score: 5.09734
Type of gen. func.: ogf

$$-(140990 f(x) - 54933) (f(x) x^4 - 3 f(x) x^3 + 3 f(x) x - 4 x^2 - f(x) + 7 x + 1)$$

Sequence: A005970
Score: 8.36539
Type of gen. func.: lgdogf

$$- \frac{8 x^5 - 33 x^4 + 38 x^3 - 3 x^2 + 8 x - 10}{(x - 1) (x + 1) (x^2 - 3 x + 1) (4 x^2 - 7 x - 1)}$$

Sequence: A005971
Score: 5.68163
Type of gen. func.: lgdogf

$$- \frac{16 x^7 + 85 x^6 - 4 x^5 - 380 x^4 + 360 x^3 - 113 x^2 + 40 x - 28}{(x - 1) (x^2 + 4 x - 1) (x^2 - x - 1) (8 x^3 + 23 x^2 - 24 x - 1)}$$

Sequence: A005971
Score: 6.99925
Type of gen. func.: ogf

$$\frac{8 x^{3} + 23 x^{2} - 24 x - 1}{(x - 1) (x^{2} + 4 x - 1) (x^{2} - x - 1)}$$

Sequence: A005972
Score: 5.15952
Type of gen. func.: ogf

$$\frac{16 x^{4} - 79 x^{3} - 164 x^{2} + 76 x + 1}{(x^{2} + 3 x + 1) (x^{2} - 7 x + 1) (x - 1)^{2}}$$

Sequence: A005985
Score: 6.69878
Type of gen. func.: lgdogf

$$- \frac{2 (16 x^{6} - 20 x^{5} + 14 x^{4} + 16 x^{3} - 10 x^{2} - 5 x - 2)}{(x - 1) (2 x + 1) (2 x - 1) (x + 1) (4 x^{3} - 4 x^{2} + 2 x + 1)}$$

Sequence: A005985
Score: 8.66436
Type of gen. func.: ogf

$$- \frac{x (4 x^{3} - 4 x^{2} + 2 x + 1)}{(x - 1) (2 x + 1) (x + 1) (2 x - 1)^{2}}$$

Sequence: A005986
Score: 12.6206
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{2} - 2}{x^{3} - x^{2} - x + 1}$$

Sequence: A005987
Score: 10.7580
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^4 - x^3 - 1}{x^6 - x^4 - x^2 + 1}$$

Sequence: A005990
Score: 12.7777
Type of gen. func.: egf]

$$\frac{x}{(x - 1)^4}$$

Sequence: A005990
Score: 22.3610
Type of gen. func.: lgdegf]

$$\frac{4}{-x + 1}$$

Sequence: A005990
Score: 5.13203
Type of gen. func.: egf]

$$-(14 f(x) + 9) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + f(x) - x)$$

Sequence: A005990
Score: 5.64061
Type of gen. func.: ogf

$$\{(-n^2 - 6 n - 8) a(n + 1) + (n + 1) a(n + 2), a(0) = 0, a(1) = 1\}$$

Sequence: A005990
Score: 77.1400
Type of gen. func.: lgdegf]

$$-\frac{4}{x-1}$$

Sequence: A005993
Score: 10.0364
Type of gen. func.: ogf

$$\frac{x^2+1}{(x+1)^2\,(x-1)^4}$$

Sequence: A005993
Score: 13.5492
Type of gen. func.: lgdogf

$$-\frac{4x^3+2x^2+8x+2}{x^4-1}$$

Sequence: A005993
Score: 18.1768
Type of gen. func.: lgdogf

$$-\frac{2\,(2x^3+x^2+4x+1)}{(x-1)\,(x+1)\,(x^2+1)}$$

Sequence: A005993
Score: 27.8804
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^3+3x+2]$$

Sequence: A005994
Score: 12.5642
Type of gen. func.: lgdogf

```
3      2
```

```
   -5 x  - 3 x  - 9 x - 3
 - ----------------------
              4
           -x  + 1
```

Sequence: A005994
Score: 18.4750
Type of gen. func.: lgdogf

```
       3       2
   5 x  + 3 x  + 9 x + 3
 - -----------------------
                       2
   (x - 1) (x + 1) (x  + 1)
```

Sequence: A005994
Score: 25.8222
Type of gen. func.: ogf_with_Euler_transform]

```
      3
  [-x  + 3 x + 3]
```

Sequence: A005994
Score: 8.47028
Type of gen. func.: ogf

```
          2
         x  + 1
 - ------------------
            2        5
   (x + 1)  (x - 1)
```

Sequence: A005995
Score: 11.8044
Type of gen. func.: lgdogf

```
        3       2
   21 x  + 9 x  + 15 x + 3
 - -----------------------
           4      2
        3 x  - 2 x  - 1
```

Sequence: A005995
Score: 18.4444
Type of gen. func.: lgdogf

$$-\frac{3\,(7\,x^3+3\,x^2+5\,x+1)}{(x-1)\,(x+1)\,(3\,x^2+1)}$$

Sequence: A005995
Score: 9.28437
Type of gen. func.: ogf

$$\frac{3\,x^2+1}{(x+1)^3\,(x-1)^6}$$

Sequence: A005996
Score: 13.9398
Type of gen. func.: lgdogf

$$-\frac{4\,x^3+7\,x^2+10\,x+3}{(x-1)\,(x+1)\,(x^2+x+1)}$$

Sequence: A005996
Score: 24.3679
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2+2\,x+3$$

Sequence: A005996
Score: 7.22184
Type of gen. func.: ogf

$$\frac{2\,(x^2+x+1)}{(x+1)^2\,(x-1)^4}$$

Sequence: A005996
Score: 8.40899
Type of gen. func.: lgdogf

$$-\frac{-4x^3 - 7x^2 - 10x - 3}{-x^4 - x^3 + x + 1}$$

Sequence: A005997
Score: 15.0152
Type of gen. func.: lgdogf

$$-\frac{(3x^2 + 2x + 3)(x^2 + 4x + 1)}{(x - 1)(x + 1)(x^3 + 3x^2 + x + 1)}$$

Sequence: A005997
Score: 8.88220
Type of gen. func.: ogf

$$\frac{x^3 + 3x^2 + x + 1}{(x + 1)^2 (x - 1)^4}$$

Sequence: A005997
Score: 9.07742
Type of gen. func.: lgdogf

$$-\frac{-3x^4 - 14x^3 - 14x^2 - 14x - 3}{-x^5 - 3x^4 + 2x^2 + x + 1}$$

Sequence: A005998
Score: 12.4311
Type of gen. func.: lgdogf

$$-\frac{2(x^5 + 4x^4 + 8x^3 + 5x^2 + 5x + 1)}{(x - 1)(x + 1)(x^4 + 2x^3 + 2x^2 + 1)}$$

Sequence: A005998
Score: 8.35896
Type of gen. func.: ogf

$$\frac{x^4 + 2x^3 + 2x^2 + 1}{(x+1)^2 (x-1)^4}$$

Sequence: A005999
Score: 10.0674
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)(x^3 + x^2 - x + 1)}{(x+1)^2 (x-1)^4}$$

Sequence: A005999
Score: 9.21278
Type of gen. func.: lgdogf

$$-\frac{(x^2 + 4x + 1)(x^4 + 2x^3 + 3x^2 + 2)}{(x-1)(x+1)(x^2 + x + 1)(x^3 + x^2 - x + 1)}$$

Sequence: A005999
Score: 9.60982
Type of gen. func.: lgdogf

$$-\frac{-x^6 - 6x^5 - 12x^4 - 14x^3 - 5x^2 - 8x - 2}{-x^7 - 2x^6 + x^4 + x^3 + 1}$$

Sequence: A006000
Score: 14.5319
Type of gen. func.: ogf

$$\frac{2x^2 + 1}{(x-1)^4}$$

Sequence: A006000
Score: 14.7590
Type of gen. func.: lgdogf

$$-\frac{-4 x^2 - 4 x - 4}{-2 x^3 + 2 x^2 - x + 1}$$

Sequence: A006000
Score: 33.1817
Type of gen. func.: lgdogf

$$-\frac{4 (x^2 + x + 1)}{(x - 1) (2 x^2 + 1)}$$

Sequence: A006000
Score: 4.97144
Type of gen. func.: ogf

$\{(n + 4) a(n + 4) + (-7 - n) a(n + 3) + 2 n a(n + 2) + (-6 - 2 n) a(n + 1),$

$a(0) = 1, a(1) = 4, a(2) = 12, a(3) = 28\}$

Sequence: A006000
Score: 7.21048
Type of gen. func.: ogf

$(3267 f(x) + 3277)$

$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 2 x^2 + f(x) - 1)$

Sequence: A006001
Score: 18.5895
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 + 3 x^2 + 2)}{(x - 1) (2 x^3 + 1)}$$

Sequence: A006001
Score: 5.20682
Type of gen. func.: ogf

$$f(x)\,(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - 2\,x^3 - 4\,f(x)\,x + f(x) - 1)$$

Sequence: A006001
Score: 8.95879
Type of gen. func.: lgdogf

$$-\frac{-2\,x^3 - 6\,x^2 - 4}{-2\,x^4 + 2\,x^3 - x + 1}$$

Sequence: A006001
Score: 9.37228
Type of gen. func.: ogf

$$\frac{2\,x^3 + 1}{(x - 1)^4}$$

Sequence: A006002
Score: 12.6916
Type of gen. func.: ogf

$$\frac{x\,(x + 2)}{(x - 1)^4}$$

Sequence: A006002
Score: 17.1865
Type of gen. func.: lgdogf

$$-\frac{3\,x + 9}{x^2 + x - 2}$$

Sequence: A006002
Score: 29.9224
Type of gen. func.: lgdogf

$$-\frac{3\,(3 + x)}{(x + 2)\,(x - 1)}$$

Sequence: A006002
Score: 5.49969
Type of gen. func.: ogf

$$\{(4 + 2\,n)\,a(n + 3) + (-10 - n)\,a(n + 2) + (-3 - n)\,a(n + 1),\ a(0) = 0,$$

$$a(1) = 2,\ a(2) = 9\}$$

Sequence: A006002
Score: 6.02156
Type of gen. func.: ogf

$$-(14526\,f(x) + 19939)$$

$$(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - 4\,f(x)\,x - x^2 + f(x) - 2\,x)$$

Sequence: A006003
Score: 11.1971
Type of gen. func.: ogf

$$\frac{x\,(x^2 + x + 1)}{(x - 1)^4}$$

Sequence: A006003
Score: 15.7189
Type of gen. func.: lgdogf

$$-\frac{-2\,x^2 - 5\,x - 5}{-x^3 + 1}$$

Sequence: A006003
Score: 25.0424
Type of gen. func.: lgdogf

$$-\frac{2x^2+5x+5}{(x-1)(x^2+x+1)}$$

Sequence: A006003
Score: 32.4968
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^2+5]$$

Sequence: A006003
Score: 4.98405
Type of gen. func.: ogf

$\{(-3-n)\,a(n+4)+5\,a(n+3)+5\,a(n+2)+(n+2)\,a(n+1),\ a(0)=0,$

$a(1)=1,\ a(2)=5,\ a(3)=15\}$

Sequence: A006003
Score: 5.88047
Type of gen. func.: ogf

$-(75\,f(x)+41)$

$(f(x)\,x^4-4\,f(x)\,x^3+6\,f(x)\,x^2-x^3-4\,f(x)\,x-x^2+f(x)-x)$

Sequence: A006004
Score: 11.3526
Type of gen. func.: ogf

$$\frac{x^3+x^2+1}{(x-1)^4}$$

Sequence: A006004
Score: 11.5102
Type of gen. func.: lgdogf

$$-\frac{x^3 + 5x^2 + 2x + 4}{x^4 - x^2 + x - 1}$$

Sequence: A006004
Score: 22.6000
Type of gen. func.: lgdogf

$$-\frac{x^3 + 5x^2 + 2x + 4}{(x - 1)(x^3 + x^2 + 1)}$$

Sequence: A006004
Score: 4.40818
Type of gen. func.: ogf

$$\{(-49n^2 - 293n - 390)\,a(n+1) + (68n^2 + 204n - 240)\,a(n+2) + (-19n^2 - n + 168)\,a(n+3),\ a(0) = 1,\ a(1) = 4,\ a(2) = 11\}$$

Sequence: A006004
Score: 5.91955
Type of gen. func.: ogf

$$(15174 f(x) + 6505)\,(f(x)\,x^4 - 4 f(x)\,x^3 + 6 f(x)\,x^2 - x^3 - 4 f(x)\,x - x^2 + f(x) - 1)$$

Sequence: A006007
Score: 11.6776
Type of gen. func.: lgdogf

$$-\frac{-3x^2 - 2x - 5}{-x^3 + x^2 - x + 1}$$

Sequence: A006007
Score: 25.5886
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^3 + x + 5]$$

Sequence: A006007
Score: 26.2991
Type of gen. func.: lgdogf

$$-\frac{3x^2 + 2x + 5}{(x - 1)(x^2 + 1)}$$

Sequence: A006007
Score: 3.81309
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-7 - n) a(n + 3) + (-1 + n) a(n + 2) + (-3 - n) a(n + 1),$$
$$a(0) = 0, a(1) = 1, a(2) = 5, a(3) = 16\}$$

Sequence: A006007
Score: 9.96488
Type of gen. func.: ogf

$$-\frac{x(x^2 + 1)}{(x - 1)^5}$$

Sequence: A006008
Score: 12.8132
Type of gen. func.: ogf

$$-\frac{(x^2 - x + 1)(x + 1)x}{(x - 1)^5}$$

Sequence: A006008
Score: 14.1322
Type of gen. func.: lgdogf

$$-\frac{2 x^{3} + 3 x^{2} + 5}{x^{4} - x^{3} + x - 1}$$

Sequence: A006008
Score: 24.9869
Type of gen. func.: lgdogf

$$-\frac{2 x^{3} + 3 x^{2} + 5}{(x - 1) (x + 1) (x^{2} - x + 1)}$$

Sequence: A006008
Score: 32.9473
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{5} + x^{2} + 5$$

Sequence: A006008
Score: 4.80494
Type of gen. func.: ogf

$$\{(n^{2} + 7 n + 10) a(n + 1) + (-2 n^{2} - 8 n + 4) a(n + 2) + (n^{2} + n - 2) a(n + 3),$$

$$a(0) = 0, a(1) = 1, a(2) = 5, a(3) = 15, a(4) = 36\}$$

Sequence: A006009
Score: 11.1412
Type of gen. func.: lgdogf

$$-\frac{-5 x^{3} - 9 x^{2} - 12 x - 4}{-x^{4} - x^{3} + x + 1}$$

Sequence: A006009
Score: 18.5734
Type of gen. func.: lgdogf

$$-\frac{5 x^{3} + 9 x^{2} + 12 x + 4}{(x - 1) (x + 1) (x^{2} + x + 1)}$$

Sequence: A006009
Score: 32.3018
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{2} + 2 x + 4$$

Sequence: A006009
Score: 8.74527
Type of gen. func.: ogf

$$-\frac{4 (x^{2} + x + 1)}{(x + 1)^{2} (x - 1)^{5}}$$

Sequence: A006010
Score: 7.29351
Type of gen. func.: ogf

$$-\frac{x^{4} + 2 x^{3} + 6 x^{2} + 2 x + 1}{(x + 1)^{2} (x - 1)^{5}}$$

Sequence: A006010
Score: 7.36105
Type of gen. func.: lgdogf

$$-\frac{3 x^{5} + 11 x^{4} + 40 x^{3} + 36 x^{2} + 25 x + 5}{x^{6} + 2 x^{5} + 5 x^{4} - 5 x^{2} - 2 x - 1}$$

Sequence: A006010
Score: 9.98018
Type of gen. func.: lgdogf

$$-\frac{3x^5+11x^4+40x^3+36x^2+25x+5}{(x-1)(x+1)(x^4+2x^3+6x^2+2x+1)}$$

Sequence: A006011
Score: 17.3612
Type of gen. func.: lgdogf

$$-\frac{4x+6}{x^2-1}$$

Sequence: A006011
Score: 34.3918
Type of gen. func.: lgdogf

$$-\frac{2(3+2x)}{(x-1)(x+1)}$$

Sequence: A006011
Score: 36.1092
Type of gen. func.: ogf_with_Euler_transform]

[6 - x]

Sequence: A006011
Score: 5.78708
Type of gen. func.: ogf

{(n + 1) a(n + 3) - 6 a(n + 2) + (-3 - n) a(n + 1), a(0) = 0, a(1) = 0,

a(2) = 3}

Sequence: A006011

Score: 9.66954
Type of gen. func.: ogf

$$-\frac{3 x^{2} (x + 1)}{(x - 1)^{5}}$$

Sequence: A006012
Score: 13.8054
Type of gen. func.: ogf

$$-\frac{2 x - 1}{2 x^{2} - 4 x + 1}$$

Sequence: A006012
Score: 16.0097
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^{2} - 2 x + 1)}{(2 x - 1) (2 x^{2} - 4 x + 1)}$$

Sequence: A006012
Score: 6.98026
Type of gen. func.: ogf

$$-(7 f(x) - 3) (2 f(x) x^{2} - 4 f(x) x + f(x) + 2 x - 1)$$

Sequence: A006012
Score: 7.57615
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + 2 a(n),\ a(0) = 1,\ a(1) = 2\}$$

Sequence: A006012
Score: 9.55760
Type of gen. func.: lgdogf

$$-\frac{-4x^2+4x-2}{-4x^3+10x^2-6x+1}$$

Sequence: A006013
Score: 11.2665
Type of gen. func.: ogf

$$1-f(x)+2f(x)^2x-f(x)^3x^2$$

Sequence: A006013
Score: 23.7401
Type of gen. func.: revogf

$$x(x-1)^2$$

Sequence: A006013
Score: 5.23405
Type of gen. func.: ogf

$$\{(27n^2+108n+105)a(n+1)+(-4n^2-22n-30)a(n+2),\ a(0)=1,\ a(1)=2\}$$

Sequence: A006013
Score: 72.4647
Type of gen. func.: revogf

$$x(x-1)^2$$

Sequence: A006021
Score: 7.50728
Type of gen. func.: ogf

$$-\frac{x(4x^8+2x^6+3x^5+4x^4+x^3+3x^2+2x+1)}{(x-1)(x+1)(x^2+1)(x^4+1)}$$

Sequence: A006026
Score: 10.3287
Type of gen. func.: revogf

$$-\frac{-3 x - 1 + (5 x^{2} + 2 x + 1)^{1/2}}{2 (x + 1)^{2}}$$

Sequence: A006026
Score: 6.35611
Type of gen. func.: ogf

$$f(x)^{3} x^{4} + 3 f(x)^{2} x^{3} - 3 f(x)^{2} x^{2} + 3 f(x) x^{2} - 4 f(x) x + f(x) + x - 1$$

Sequence: A006027
Score: 6.70834
Type of gen. func.: ogf

$$f(x)^{3} x^{2} - f(x)^{2} x^{2} - 2 f(x)^{2} x + f(x) x^{2} + f(x) x + f(x) - 1$$

Sequence: A006027
Score: 7.15135
Type of gen. func.: revogf

$$- 1/2 + \frac{1}{2 x} + x/2 + \frac{1/2\ I\ (x^{2} - x - 1)^{1/2} (3 x^{2} - 3 x + 1)^{1/2}}{x}$$

Sequence: A006040
Score: 4.68968
Type of gen. func.: ogf

$$\{(-n^{2} - 4 n - 4) a(n + 1) + (n^{2} + 6 n + 10) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 2, a(2) = 9\}$$

Sequence: A006041
Score: 3.61184
Type of gen. func.: ogf

$$\{(-n^3 - 3 n^2 - 2 n) a(n) + (3 n^3 + 18 n^2 + 34 n + 19) a(n + 1) + (-2 n^3 - 16 n^2 - 43 n - 38) a(n + 2) + (4 + 2 n) a(n + 3), a(0) = 0, a(1) = 2, a(2) = 9\}$$

Sequence: A006043
Score: 13.7300
Type of gen. func.: ogf

$$-\frac{2}{(3 x - 1)^3}$$

Sequence: A006043
Score: 21.0853
Type of gen. func.: lgdogf

$$\frac{9}{-3 x + 1}$$

Sequence: A006043
Score: 5.04606
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 27 a(n + 1) - 27 a(n), a(0) = 2, a(1) = 18, a(2) = 108\}$$

Sequence: A006043
Score: 57.8024
Type of gen. func.: lgdogf

$$-\frac{9}{3 x - 1}$$

Sequence: A006043

Score: 7.85046
Type of gen. func.: ogf

$$-(f(x) - 2) (27 f(x) x^3 - 27 f(x) x^2 + 9 f(x) x - f(x) + 2)$$

Sequence: A006044
Score: 13.5444
Type of gen. func.: ogf

$$\frac{6}{(4 x - 1)^4}$$

Sequence: A006044
Score: 25.6876
Type of gen. func.: lgdogf

$$\frac{16}{-4 x + 1}$$

Sequence: A006044
Score: 5.86568
Type of gen. func.: ogf

$$-(f(x) + 6) (256 f(x) x^4 - 256 f(x) x^3 + 96 f(x) x^2 - 16 f(x) x + f(x) - 6)$$

Sequence: A006044
Score: 66.5979
Type of gen. func.: lgdogf

$$- \frac{16}{4 x - 1}$$

Sequence: A006044
Score: 7.02775
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (20 + 4 n) a(n + 1), a(0) = 6, a(1) = 96\}$$

Sequence: A006051
Score: 4.78329
Type of gen. func.: ogf

$$(88065909 f(x) - 329926)$$

$$(f(x) x^{3} - 195 f(x) x^{2} + 195 f(x) x + x^{2} - f(x) - 26 x + 1)$$

Sequence: A006051
Score: 5.01854
Type of gen. func.: ogf

$$\{-a(n + 3) + 195 a(n + 2) - 195 a(n + 1) + a(n), a(0) = 1, a(1) = 169,$$

$$a(2) = 32761\}$$

Sequence: A006051
Score: 5.37072
Type of gen. func.: lgdogf

$$- \frac{-x^{4} + 52 x^{3} - 4878 x^{2} + 388 x - 169}{-x^{5} + 221 x^{4} - 5266 x^{3} + 5266 x^{2} - 221 x + 1}$$

Sequence: A006051
Score: 9.25701
Type of gen. func.: lgdogf

$$- \frac{x^{4} - 52 x^{3} + 4878 x^{2} - 388 x + 169}{(x - 1) (x^{2} - 194 x + 1) (x^{2} - 26 x + 1)}$$

Sequence: A006051
Score: 9.27670
Type of gen. func.: ogf

$$- \frac{x^{2} - 26 x + 1}{(x - 1) (x^{2} - 194 x + 1)}$$

Sequence: A006053
Score: 12.3337
Type of gen. func.: lgdogf

$$-\frac{-3x^2+4x+1}{-x^3+2x^2+x-1}$$

Sequence: A006053
Score: 19.2526
Type of gen. func.: ogf

$$\frac{x^2}{x^3-2x^2-x+1}$$

Sequence: A006053
Score: 24.4401
Type of gen. func.: lgdogf

$$-\frac{3x^2-4x-1}{x^3-2x^2-x+1}$$

Sequence: A006053
Score: 7.17597
Type of gen. func.: ogf

$$\{a(n+3)-a(n+2)-2a(n+1)+a(n),\ a(0)=0,\ a(1)=0,\ a(2)=1\}$$

Sequence: A006053
Score: 7.37716
Type of gen. func.: ogf

$$-(2f(x)+1)(f(x)x^3-2f(x)x^2-f(x)x-x^2+f(x))$$

Sequence: A006054
Score: 11.8007
Type of gen. func.: lgdogf

$$-\frac{-3 x^2 + 2 x + 2}{-x^3 + x^2 + 2 x - 1}$$

Sequence: A006054
Score: 18.4206
Type of gen. func.: ogf

$$\frac{x^2}{x^3 - x^2 - 2 x + 1}$$

Sequence: A006054
Score: 23.3829
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 2 x - 2}{x^3 - x^2 - 2 x + 1}$$

Sequence: A006054
Score: 6.86587
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) - a(n + 1) + a(n), a(0) = 0, a(1) = 0, a(2) = 1}

Sequence: A006054
Score: 9.32402
Type of gen. func.: ogf

$$-f(x) x^3 + f(x) x^2 + 2 f(x) x + x^2 - f(x)$$

Sequence: A006060
Score: 3.28159

Type of gen. func.: ogf

$$(1100823887 f(x) - 9038110)$$

$$(f(x) x^3 - 195 f(x) x^2 + 195 f(x) x + x^2 - f(x) + 58 x + 1)$$

Sequence: A006060
Score: 3.52368
Type of gen. func.: ogf

$\{a(n + 3) - 195 a(n + 2) + 195 a(n + 1) - a(n), a(0) = 1, a(1) = 253,$
$a(2) = 49141\}$

Sequence: A006060
Score: 6.51347
Type of gen. func.: ogf

$$- \frac{x^2 + 58 x + 1}{(x - 1) (x^2 - 194 x + 1)}$$

Sequence: A006061
Score: 3.72528
Type of gen. func.: ogf

$$(11408373 f(x) - 167498)$$

$$(f(x) x^3 - 99 f(x) x^2 + 99 f(x) x + x^2 - f(x) + 22 x + 1)$$

Sequence: A006061
Score: 3.91155
Type of gen. func.: ogf

$\{a(n + 3) - 99 a(n + 2) + 99 a(n + 1) - a(n), a(0) = 1, a(1) = 121,$
$a(2) = 11881\}$

Sequence: A006061
Score: 7.17384
Type of gen. func.: lgdogf

$$-\frac{x^4 + 44 x^3 - 2274 x^2 - 196 x + 121}{(x - 1) (x^2 + 22 x + 1) (x^2 - 98 x + 1)}$$

Sequence: A006061
Score: 7.33416
Type of gen. func.: ogf

$$-\frac{x^2 + 22 x + 1}{(x - 1) (x^2 - 98 x + 1)}$$

Sequence: A006062
Score: 2.59020
Type of gen. func.: ogf

{a(n + 3) - 35 a(n + 2) + 35 a(n + 1) - a(n), a(0) = 1, a(1) = 37, a(2) = 1261}

Sequence: A006062
Score: 4.85149
Type of gen. func.: ogf

$$-\frac{(x + 1)^2}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A006062
Score: 4.89824
Type of gen. func.: ogf

$$(80847 f(x) - 2590) (f(x) x^3 - 35 f(x) x^2 + 35 f(x) x + x^2 - f(x) + 2 x + 1)$$

Sequence: A006062
Score: 6.42835
Type of gen. func.: lgdogf

$$x^3 + 3 x^2 - 105 x + 37$$

$$-\frac{}{(x-1)(x+1)(x^2-34x+1)}$$

Sequence: A006071
Score: 10.2353
Type of gen. func.: lgdogf

$$\frac{2(x^5-x^4-5x^3-17x^2-8x-2)}{(x-1)(x+1)(x^5-5x^4+6x^3+4x^2+x+1)}$$

Sequence: A006071
Score: 7.34124
Type of gen. func.: ogf

$$\frac{x^5-5x^4+6x^3+4x^2+x+1}{(x+1)(x-1)^4}$$

Sequence: A006077
Score: 3.93023
Type of gen. func.: ogf

$$\{(27n^2+108n+108)a(n+1)+(-9n^2-45n-57)a(n+2)$$
$$+(n^2+6n+9)a(n+3),\ a(0)=1,\ a(1)=3,\ a(2)=9\}$$

Sequence: A006083
Score: 9.08658
Type of gen. func.: ogf

$$-\frac{x^{10}-x^8+3x^6+x^4-2x^3-x^2-2x-1}{(x+1)(x^2-x+1)(x^2+x+1)^2(x-1)^2}$$

Sequence: A006084
Score: 4.72527
Type of gen. func.: ogf

$$x (x^{19} - x^{17} + x^{16} - x^{15} - 5 x^{14} + x^{13} - x^{12} - x^{11} + 8 x^{10} - x^{9} + x^{8} + x^{7} + x^{6} + 5 x^{5} + x^{4} + x^{3} + x^{2} + 9 x + 1) / ((x - 1)^{2} (x^{2} + x + 1)^{2} (x^{6} + x^{3} + 1)^{2})$$

Sequence: A006089
Score: 3.73750
Type of gen. func.: ogf

$$- \frac{16 (36 x^{2} - 11 x - 1)}{(25 x - 1) (9 x - 1)^{2} (x - 1)^{3}}$$

Sequence: A006090
Score: 10.1041
Type of gen. func.: lgdogf

$$- \frac{6 (5 x^{4} + 10 x^{3} + 10 x^{2} + 5 x + 1)}{(2 x + 1) (x^{2} + x + 1) (3 x^{2} + 3 x + 1)}$$

Sequence: A006090
Score: 10.5916
Type of gen. func.: ogf

$$\frac{1}{(2 x + 1) (x^{2} + x + 1) (3 x^{2} + 3 x + 1)}$$

Sequence: A006095
Score: 15.4813
Type of gen. func.: ogf

$$- \frac{x^{2}}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A006095
Score: 16.9415
Type of gen. func.: lgdogf

$$-\frac{24 x^2 - 28 x + 7}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A006095
Score: 5.85778
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 8 a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A006095
Score: 7.92943
Type of gen. func.: ogf

$$8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x + x^2 - f(x)$$

Sequence: A006095
Score: 9.70469
Type of gen. func.: lgdogf

$$-\frac{24 x^2 - 28 x + 7}{8 x^3 - 14 x^2 + 7 x - 1}$$

Sequence: A006096
Score: 10.8466
Type of gen. func.: lgdogf

$$-\frac{256 x^3 - 360 x^2 + 140 x - 15}{(x - 1) (8 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A006096
Score: 11.8720

Type of gen. func.: ogf

$$\frac{1}{(x - 1) (8 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A006096
Score: 4.96966
Type of gen. func.: ogf

$$(13651 f(x) + 1024)$$

$$(64 f(x) x^4 - 120 f(x) x^3 + 70 f(x) x^2 - 15 f(x) x + f(x) - 1)$$

Sequence: A006096
Score: 6.96833
Type of gen. func.: lgdogf

$$- \frac{-256 x^3 + 360 x^2 - 140 x + 15}{-64 x^4 + 120 x^3 - 70 x^2 + 15 x - 1}$$

Sequence: A006097
Score: 8.18313
Type of gen. func.: lgdogf

$$- \frac{5120 x^4 - 7936 x^3 + 3720 x^2 - 620 x + 31}{(x - 1) (4 x - 1) (2 x - 1) (8 x - 1) (16 x - 1)}$$

Sequence: A006097
Score: 9.87172
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (4 x - 1) (2 x - 1) (8 x - 1) (16 x - 1)}$$

Sequence: A006100
Score: 11.4037
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(3x-1)(9x-1)}$$

Sequence: A006100
Score: 11.4055
Type of gen. func.: lgdogf

$$-\frac{81x^2-78x+13}{(x-1)(3x-1)(9x-1)}$$

Sequence: A006100
Score: 3.86565
Type of gen. func.: ogf

$\{a(n+3)-13a(n+2)+39a(n+1)-27a(n), a(0)=1, a(1)=13,$

$a(2)=130\}$

Sequence: A006100
Score: 4.26306
Type of gen. func.: ogf

$$(7651f(x)-891)(27f(x)x^3-39f(x)x^2+13f(x)x-f(x)+1)$$

Sequence: A006100
Score: 6.51639
Type of gen. func.: lgdogf

$$-\frac{81x^2-78x+13}{27x^3-39x^2+13x-1}$$

Sequence: A006101
Score: 11.2831
Type of gen. func.: ogf

$$\frac{1}{(x-1)(3x-1)(27x-1)(9x-1)}$$

Sequence: A006101
Score: 4.764
Type of gen. func.: ogf

$$(1893257 f(x) + 12393)$$

$$(729 f(x) x^4 - 1080 f(x) x^3 + 390 f(x) x^2 - 40 f(x) x + f(x) - 1)$$

Sequence: A006101
Score: 6.61928
Type of gen. func.: lgdogf

$$- \frac{4 (729 x^3 - 810 x^2 + 195 x - 10)}{(x - 1) (3 x - 1) (27 x - 1) (9 x - 1)}$$

Sequence: A006101
Score: 6.63030
Type of gen. func.: lgdogf

$$- \frac{-2916 x^3 + 3240 x^2 - 780 x + 40}{-729 x^4 + 1080 x^3 - 390 x^2 + 40 x - 1}$$

Sequence: A006102
Score: 10.2982
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (81 x - 1) (3 x - 1) (9 x - 1) (27 x - 1)}$$

Sequence: A006102
Score: 8.35039
Type of gen. func.: lgdogf

$$- \frac{295245 x^4 - 352836 x^3 + 98010 x^2 - 7260 x + 121}{(x - 1) (81 x - 1) (3 x - 1) (9 x - 1) (27 x - 1)}$$

```
------------------------------------------------------------------------------

Sequence:  A006105
Score: 10.4260
Type of gen. func.: ogf


                                        1
                         - -----------------------------
                           (x - 1) (4 x - 1) (16 x - 1)



------------------------------------------------------------------------------

Sequence:  A006105
Score: 3.53424
Type of gen. func.: ogf


{a(n + 3) - 21 a(n + 2) + 84 a(n + 1) - 64 a(n), a(0) = 1, a(1) = 21,

    a(2) = 357}



------------------------------------------------------------------------------

Sequence:  A006105
Score: 3.82605
Type of gen. func.: ogf


                                    3             2
      (70993 f(x) - 3520) (64 f(x) x  - 84 f(x) x  + 21 f(x) x - f(x) + 1)



------------------------------------------------------------------------------

Sequence:  A006105
Score: 5.79222
Type of gen. func.: lgdogf


                                    2
                               192 x  - 168 x + 21
                           - -------------------------
                                 3       2
                             64 x  - 84 x  + 21 x - 1



------------------------------------------------------------------------------

Sequence:  A006105
Score: 9.90750
Type of gen. func.: lgdogf


                                      2
                               3 (64 x  - 56 x + 7)
                         - -----------------------------
                           (x - 1) (4 x - 1) (16 x - 1)



------------------------------------------------------------------------------
```

Sequence: A006106
Score: 4.25831
Type of gen. func.: ogf

$$(14614819 f(x) + 16384)$$

$$(4096 f(x) x^4 - 5440 f(x) x^3 + 1428 f(x) x^2 - 85 f(x) x + f(x) - 1)$$

Sequence: A006106
Score: 5.27566
Type of gen. func.: lgdogf

$$- \frac{16384 x^3 - 16320 x^2 + 2856 x - 85}{(x - 1) (4 x - 1) (64 x - 1) (16 x - 1)}$$

Sequence: A006106
Score: 5.76125
Type of gen. func.: lgdogf

$$- \frac{-16384 x^3 + 16320 x^2 - 2856 x + 85}{-4096 x^4 + 5440 x^3 - 1428 x^2 + 85 x - 1}$$

Sequence: A006106
Score: 9.96012
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (4 x - 1) (64 x - 1) (16 x - 1)}$$

Sequence: A006107
Score: 7.18861
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (4 x - 1) (256 x - 1) (64 x - 1) (16 x - 1)}$$

Sequence: A006110
Score: 9.21518

Type of gen. func.: ogf

$$\frac{1}{(x - 1) (4 x - 1) (2 x - 1) (8 x - 1) (16 x - 1) (32 x - 1)}$$

Sequence: A006111
Score: 14.6383
Type of gen. func.: lgdogf

$$- \frac{375 x^{2} - 310 x + 31}{(x - 1) (25 x - 1) (5 x - 1)}$$

Sequence: A006111
Score: 14.9081
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (25 x - 1) (5 x - 1)}$$

Sequence: A006111
Score: 5.21782
Type of gen. func.: ogf

$$\{a(n + 3) - 31 a(n + 2) + 155 a(n + 1) - 125 a(n), a(0) = 1, a(1) = 31, a(2) = 806\}$$

Sequence: A006111
Score: 5.54106
Type of gen. func.: ogf

$$(410151 f(x) - 10375) (125 f(x) x^{3} - 155 f(x) x^{2} + 31 f(x) x - f(x) + 1)$$

Sequence: A006111
Score: 8.46134
Type of gen. func.: lgdogf

$$- \frac{375 x^{2} - 310 x + 31}{}$$

$$125 x^3 - 155 x^2 + 31 x - 1$$

Sequence: A006112
Score: 3.97691
Type of gen. func.: ogf

$$(2568562823 f(x) + 734375)$$

$$(15625 f(x) x^4 - 19500 f(x) x^3 + 4030 f(x) x^2 - 156 f(x) x + f(x) - 1)$$

Sequence: A006112
Score: 5.40260
Type of gen. func.: lgdogf

$$-\frac{-62500 x^3 + 58500 x^2 - 8060 x + 156}{-15625 x^4 + 19500 x^3 - 4030 x^2 + 156 x - 1}$$

Sequence: A006112
Score: 9.23671
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (125 x - 1) (25 x - 1) (5 x - 1)}$$

Sequence: A006113
Score: 7.85719
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (125 x - 1) (25 x - 1) (625 x - 1) (5 x - 1)}$$

Sequence: A006124
Score: 10.0183
Type of gen. func.: ogf

$$-\frac{6 x^2 - 2 x + 3}{3}$$

$$(x - 1)$$

Sequence: A006124
Score: 17.5460
Type of gen. func.: lgdogf

$$-\frac{6 x^2 + 8 x + 7}{(x - 1) (6 x^2 - 2 x + 3)}$$

Sequence: A006124
Score: 5.40810
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3, a(1) = 7, a(2) = 18\}$$

Sequence: A006124
Score: 6.89144
Type of gen. func.: ogf

$$(12985 f(x) - 18363) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 6 x^2 - f(x) - 2 x + 3)$$

Sequence: A006124
Score: 9.54867
Type of gen. func.: lgdogf

$$-\frac{-6 x^2 - 8 x - 7}{-6 x^3 + 8 x^2 - 5 x + 3}$$

Sequence: A006127
Score: 13.0071
Type of gen. func.: ogf

$$\frac{x^2 + x - 1}{(2 x - 1) (x - 1)^2}$$

Sequence: A006127
Score: 17.7119
Type of gen. func.: lgdogf

$$-\frac{2x^3+6x^2-9x+3}{(x-1)(2x-1)(x^2+x-1)}$$

Sequence: A006127
Score: 7.08421
Type of gen. func.: ogf

$$(f(x)+17)\,(2f(x)x^3-5f(x)x^2+4f(x)x-x^2-f(x)-x+1)$$

Sequence: A006127
Score: 7.08421
Type of gen. func.: ogf

$$\{a(n+3)-4a(n+2)+5a(n+1)-2a(n),\ a(0)=1,\ a(1)=3,\ a(2)=6\}$$

Sequence: A006127
Score: 9.91789
Type of gen. func.: lgdogf

$$-\frac{2x^3+6x^2-9x+3}{2x^4-x^3-4x^2+4x-1}$$

Sequence: A006130
Score: 14.1717
Type of gen. func.: lgdogf

$$-\frac{-6x-1}{-3x^2-x+1}$$

Sequence: A006130

Score: 20.2011
Type of gen. func.: revogf

$$\frac{-1 - x + (13 x^2 + 2 x + 1)^{1/2}}{6 x}$$

Sequence: A006130
Score: 20.6133
Type of gen. func.: ogf

$$-\frac{1}{3 x^2 + x - 1}$$

Sequence: A006130
Score: 33.3318
Type of gen. func.: lgdogf

$$-\frac{1 + 6 x}{3 x^2 + x - 1}$$

Sequence: A006130
Score: 8.19566
Type of gen. func.: ogf

$$(19 f(x) - 18) (3 f(x) x^2 + f(x) x - f(x) + 1)$$

Sequence: A006130
Score: 8.29561
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 3 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A006131
Score: 14.5215
Type of gen. func.: lgdogf

$$-\frac{-8 x - 1}{}$$

$$-4 x^2 - x + 1$$

Sequence: A006131
Score: 20.7140
Type of gen. func.: revogf

$$\frac{-1 - x + (17 x^2 + 2 x + 1)^{1/2}}{8 x}$$

Sequence: A006131
Score: 21.1222
Type of gen. func.: ogf

$$- \frac{1}{4 x^2 + x - 1}$$

Sequence: A006131
Score: 34.1781
Type of gen. func.: lgdogf

$$- \frac{1 + 8 x}{4 x^2 + x - 1}$$

Sequence: A006131
Score: 8.39795
Type of gen. func.: ogf

$$(29 f(x) - 28) (4 f(x) x^2 + f(x) x - f(x) + 1)$$

Sequence: A006131
Score: 8.50038
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 4 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A006134
Score: 13.8144
Type of gen. func.: lgdogf

$$-\frac{6x-3}{4x^2-5x+1}$$

Sequence: A006134
Score: 27.0922
Type of gen. func.: lgdogf

$$-\frac{3(2x-1)}{(4x-1)(x-1)}$$

Sequence: A006134
Score: 4.36243
Type of gen. func.: ogf

$\{(-3 - n) a(n + 3) + (13 + 5 n) a(n + 2) + (-10 - 4 n) a(n + 1), a(0) = 1,$

$a(1) = 3, a(2) = 9\}$

Sequence: A006134
Score: 8.18628
Type of gen. func.: ogf

$$-4 f(x)^2 x^3 + 9 f(x)^2 x^2 - 6 f(x)^2 x + f(x)^2 - 1$$

Sequence: A006137
Score: 10.1972
Type of gen. func.: ogf

$$-\frac{5x^2+3x+1}{(x-1)^3}$$

Sequence: A006137
Score: 17.3565
Type of gen. func.: lgdogf

$$-\frac{5 x^2 + 16 x + 6}{(x - 1) (5 x^2 + 3 x + 1)}$$

Sequence: A006137
Score: 5.50467
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 6, a(2) = 20\}$$

Sequence: A006137
Score: 7.04773
Type of gen. func.: ogf

$$(4860 f(x) - 13309) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 5 x^2 - f(x) + 3 x + 1)$$

Sequence: A006137
Score: 9.56966
Type of gen. func.: lgdogf

$$-\frac{-5 x^2 - 16 x - 6}{-5 x^3 + 2 x^2 + 2 x + 1}$$

Sequence: A006138
Score: 13.3431
Type of gen. func.: lgdogf

$$-\frac{-3 x^2 - 6 x - 2}{-3 x^3 - 4 x^2 + 1}$$

Sequence: A006138
Score: 17.7908
Type of gen. func.: ogf

$$x + 1$$

$$-\frac{}{3 x^2 + x - 1}$$

Sequence: A006138
Score: 20.1724
Type of gen. func.: revogf

$$\frac{-1 - x + (13 x^2 + 6 x + 1)^{1/2}}{2 (3 x + 1)}$$

Sequence: A006138
Score: 24.5851
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 6 x + 2}{(x + 1) (3 x^2 + x - 1)}$$

Sequence: A006138
Score: 9.20213
Type of gen. func.: ogf

$$(37 f(x) - 21) (3 f(x) x^2 + f(x) x - f(x) + x + 1)$$

Sequence: A006138
Score: 9.76324
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 3 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A006139
Score: 12.8032
Type of gen. func.: lgdogf

$$-\frac{-4 x - 2}{-4 x^2 - 4 x + 1}$$

Sequence: A006139
Score: 17.7063
Type of gen. func.: revogf

$$\frac{(-2\,x + (8\,x^2 + 1)^{1/2})\,x}{4\,x^2 + 1}$$

Sequence: A006139
Score: 25.0839
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x + 1)}{4\,x^2 + 4\,x - 1}$$

Sequence: A006139
Score: 4.06991
Type of gen. func.: ogf

$$\{(n + 3)\,a(n + 3) + (-10 - 4\,n)\,a(n + 2) + (-4\,n - 8)\,a(n + 1),\ a(0) = 1,\ a(1) = 2,\ a(2) = 8\}$$

Sequence: A006139
Score: 9.75487
Type of gen. func.: ogf

$$4\,f(x)^2\,x^2 + 4\,f(x)^2\,x - f(x)^2 + 1$$

Sequence: A006149
Score: 3.70511
Type of gen. func.: ogf

$$\{(-64\,n^3 - 480\,n^2 - 1136\,n - 840)\,a(n + 1) + (n^3 + 18\,n^2 + 107\,n + 210)\,a(n + 2),\ a(0) = 1,\ a(1) = 1\}$$

Sequence: A006152
Score: 21.7889
Type of gen. func.: lgdegf]

$$-\frac{x - 2}{(x^2 - x + 1)(x - 1)^2}$$

Sequence: A006152
Score: 3.70999
Type of gen. func.: ogf

$$\{(n^3 + 5 n^2 + 6 n) a(n) + (-2 n^2 - 9 n - 9) a(n + 1) + (n + 2) a(n + 2),$$

$$a(0) = 1, a(1) = 2\}$$

Sequence: A006152
Score: 8.69530
Type of gen. func.: lgdegf]

$$-\frac{-x + 2}{-x^4 + 3 x^3 - 4 x^2 + 3 x - 1}$$

Sequence: A006157
Score: 10.9025
Type of gen. func.: egf]

$$\frac{x + 1}{(x - 1)^4}$$

Sequence: A006157
Score: 15.1148
Type of gen. func.: lgdegf]

$$-\frac{3 x + 5}{x^2 - 1}$$

Sequence: A006157
Score: 3.93522
Type of gen. func.: ogf

$$\{(-n^2 - 6 n - 8) a(n + 1) + (2 n^2 + 19 n + 40) a(n + 2) + (-6 - 2 n) a(n + 3),$$

$$a(0) = 1, a(1) = 5, a(2) = 28\}$$

Sequence: A006157
Score: 32.6535
Type of gen. func.: lgdegf]

$$- \frac{3 x + 5}{(x - 1) (x + 1)}$$

Sequence: A006157
Score: 5.23663
Type of gen. func.: egf]

$$(5248 f(x) + 7423) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + f(x) - x - 1)$$

Sequence: A006172
Score: 8.76764
Type of gen. func.: ogf

$$- \frac{3 x^4 - 9 x^3 + x^2 + 10 x - 4}{(x - 1) (x^2 - 3 x + 1) (x^2 - x - 1)}$$

Sequence: A006183
Score: 44.9359
Type of gen. func.: lgdegf]

$$\frac{-3 + x}{x - 1}$$

Sequence: A006183
Score: 6.61949
Type of gen. func.: ogf

$$\{-n\, a(n) + (n + 3)\, a(n + 1) - a(n + 2),\ a(0) = 1,\ a(1) = 2\}$$

Sequence: A006185
Score: 5.46009
Type of gen. func.: ogf

$$-\frac{x^8 - x^7 - x^6 + 4 x^5 - 2 x^4 - 2 x^3 + x^2 + 3 x + 1}{(x^2 + x + 1)(x^2 - x + 1)(x + 1)^2 (x - 1)^3}$$

Sequence: A006189
Score: 11.0108
Type of gen. func.: ogf

$$-\frac{(2 x - 1)(x - 1)}{(x^2 - x + 1)(x^2 + 3 x - 1)}$$

Sequence: A006189
Score: 5.75563
Type of gen. func.: ogf

$$(102 f(x) - 55)$$

$$(f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 + 4 f(x) x + 2 x^2 - f(x) - 3 x + 1)$$

Sequence: A006190
Score: 10.934
Type of gen. func.: ogf

$$-f(x) x^2 - 3 f(x) x + f(x) - x$$

Sequence: A006190
Score: 13.4397
Type of gen. func.: lgdogf

$$-\frac{-2 x - 3}{-x^2 - 3 x + 1}$$

Sequence: A006190
Score: 17.4352
Type of gen. func.: ogf

$$-\frac{x}{x^2 + 3x - 1}$$

Sequence: A006190
Score: 18.1523
Type of gen. func.: revogf

$$\frac{-3x - 1 + (13x^2 + 6x + 1)^{1/2}}{2x}$$

Sequence: A006190
Score: 31.7665
Type of gen. func.: lgdogf

$$-\frac{3 + 2x}{x^2 + 3x - 1}$$

Sequence: A006190
Score: 7.96425
Type of gen. func.: ogf

$$\{-a(n + 2) + 3a(n + 1) + a(n),\ a(0) = 0,\ a(1) = 1\}$$

Sequence: A006191
Score: 10.8425
Type of gen. func.: ogf

$$\frac{2x - 1}{(x^2 - x + 1)(x^2 + 3x - 1)}$$

Sequence: A006191
Score: 5.29115
Type of gen. func.: ogf

$$-(6 f(x) - 1) (f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 + 4 f(x) x - f(x) - 2 x + 1)$$

Sequence: A006191
Score: 6.74892
Type of gen. func.: lgdogf

$$-\frac{6 x^4 + 4 x^3 - 12 x^2 + 6 x - 2}{2 x^5 + 3 x^4 - 8 x^3 + 11 x^2 - 6 x + 1}$$

Sequence: A006192
Score: 4.40594
Type of gen. func.: ogf

$$-(291 f(x) + 41) (f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 + 4 f(x) x - x^2 - f(x) + 1)$$

Sequence: A006192
Score: 8.75186
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 + x^4 - 2 x^3 - 5 x^2 + 4 x - 2)}{(x - 1) (x + 1) (x^2 - x + 1) (x^2 + 3 x - 1)}$$

Sequence: A006192
Score: 8.94743
Type of gen. func.: ogf

$$\frac{(x - 1) (x + 1)}{(x^2 - x + 1) (x^2 + 3 x - 1)}$$

Sequence: A006198
Score: 10.4159

Type of gen. func.: lgdegf]

$$\frac{-4 x^{2} + 8 x - 6 + (-(2 x - 3)^{2} (2 x - 1)^{3})^{1/2}}{(4 x^{2} - 6 x + 3) (2 x - 1)}$$

Sequence: A006198
Score: 3.18990
Type of gen. func.: ogf

$$\{(n + 3) a(n + 1) + (2 n^{2} + 10 n + 9) a(n + 2) + (-2 n^{2} - 18 n - 37) a(n + 3) + (n + 4) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 6, a(3) = 41\}$$

Sequence: A006199
Score: 3.16371
Type of gen. func.: ogf

$$\{(-3 - n) a(n + 1) + (2 n^{2} + 8 n + 3) a(n + 2) + (2 n^{2} + 16 n + 27) a(n + 3) + (n + 3) a(n + 4), a(0) = 0, a(1) = 1, a(2) = -3, a(3) = 21\}$$

Sequence: A006199
Score: 6.77035
Type of gen. func.: lgdegf]

$$\frac{\left(- \frac{4 x^{2} + 7 x + 1}{2 (x + 1) (2 x + 1)^{3/2}} + 1/2\right) (2 x + 1)^{1/2}}{x}$$

Sequence: A006199
Score: 9.56943
Type of gen. func.: lgdegf]

$$\frac{-1 - 7 x - 4 x^{2} + (2 x + 1)^{(3/2)} x + (2 x + 1)^{(3/2)}}{2 (x + 1) (2 x + 1) x}$$

Sequence: A006221
Score: 12.9475
Type of gen. func.: lgdogf

$$-\frac{5x^3+209x^2+485x+117}{(x-1)(x+1)(5x^2+92x+5)}$$

Sequence: A006221
Score: 3.62735
Type of gen. func.: ogf

$$\{(41n^2+190n+216)a(n+1)+(-82n^2-410n-843)a(n+2)$$
$$+(41n^2+220n+291)a(n+3),\ a(0)=5,\ a(1)=117,\ a(2)=535\}$$

Sequence: A006221
Score: 4.57568
Type of gen. func.: ogf

$$(2739312f(x)+212289913)($$
$$f(x)x^4-4f(x)x^3+6f(x)x^2-5x^3-4f(x)x-97x^2+f(x)-97x-5$$
$$)$$

Sequence: A006221
Score: 8.75099
Type of gen. func.: lgdogf

$$-\frac{5x^3+209x^2+485x+117}{5x^4+92x^3-92x-5}$$

Sequence: A006221
Score: 8.86176
Type of gen. func.: ogf

$$\frac{(x+1)(5x^2+92x+5)}{\quad^{4}}$$

$(x - 1)$

Sequence: A006222
Score: 10.3980
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 38 x + 25}{3 x^3 + 13 x^2 - 13 x - 3}$$

Sequence: A006222
Score: 11.4043
Type of gen. func.: ogf

$$-\frac{3 x^2 + 16 x + 3}{(x - 1)^3}$$

Sequence: A006222
Score: 18.7139
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 38 x + 25}{(x - 1) (3 x^2 + 16 x + 3)}$$

Sequence: A006222
Score: 6.04331
Type of gen. func.: ogf

$$(107 f(x) - 1140) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) + 16 x + 3)$$

Sequence: A006222
Score: 6.20234
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3, a(1) = 25, a(2) = 69\}$$

Sequence: A006223
Score: 5.48429
Type of gen. func.: ogf

$$-\frac{1}{(2x-1)(2x^2-4x+1)(2x^4-16x^3+20x^2-8x+1)}$$

Sequence: A006228
Score: 18.2565
Type of gen. func.: lgdegf]

$$\frac{1}{(-x^2+1)^{1/2}}$$

Sequence: A006228
Score: 25.9928
Type of gen. func.: lgdegf]

$$\frac{1}{(-(x-1)(x+1))^{1/2}}$$

Sequence: A006230
Score: 11.9814
Type of gen. func.: ogf

$$-\frac{(x+1)(1+6x)}{(x-1)(3x-1)(2x-1)}$$

Sequence: A006230
Score: 6.19038
Type of gen. func.: ogf

(19751 f(x) - 39162)

$$(6 f(x) x^3 - 11 f(x) x^2 + 6 f(x) x + 6 x^2 - f(x) + 7 x + 1)$$

Sequence: A006230
Score: 6.39387
Type of gen. func.: lgdogf

$$-\frac{36 x^{4} + 84 x^{3} - 95 x^{2} - 10 x + 13}{(x - 1) (3 x - 1) (2 x - 1) (1 + 6 x) (x + 1)}$$

Sequence: A006230
Score: 6.45954
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 11 a(n + 1) - 6 a(n), a(0) = 1, a(1) = 13, a(2) = 73\}$$

Sequence: A006230
Score: 7.07473
Type of gen. func.: lgdogf

$$-\frac{-36 x^{4} - 84 x^{3} + 95 x^{2} + 10 x - 13}{-36 x^{5} + 24 x^{4} + 35 x^{3} - 25 x^{2} + x + 1}$$

Sequence: A006234
Score: 13.2108
Type of gen. func.: lgdogf

$$-\frac{-6 x + 4}{-6 x^{2} + 5 x - 1}$$

Sequence: A006234
Score: 14.0915
Type of gen. func.: ogf

$$-\frac{2 x - 1}{(3 x - 1)^{2}}$$

Sequence: A006234
Score: 17.7498

Type of gen. func.: revogf

$$-\frac{-1 - 6 x + (1 + 4 x)^{1/2}}{2 (2 + 9 x)}$$

Sequence: A006234
Score: 23.0090
Type of gen. func.: lgdogf

$$-\frac{2 (-2 + 3 x)}{(3 x - 1) (2 x - 1)}$$

Sequence: A006234
Score: 7.46022
Type of gen. func.: ogf

$$(3 f(x) + 5) (9 f(x) x^2 - 6 f(x) x + f(x) + 2 x - 1)$$

Sequence: A006234
Score: 7.73316
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 9 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A006235
Score: 6.77192
Type of gen. func.: ogf

$$\frac{x^4 + 2 x^3 - 10 x^2 + 2 x + 1}{(x - 1)^2 (x^2 - 4 x + 1)^2}$$

Sequence: A006235
Score: 8.47480
Type of gen. func.: lgdogf

$$-\frac{2 (x^6 + 3 x^5 - 30 x^4 + 52 x^3 - 9 x^2 - 15 x + 6)}{}$$

$$(x - 1) (x^2 - 4 x + 1) (x^4 + 2 x^3 - 10 x^2 + 2 x + 1)$$

Sequence: A006238
Score: 10.7053
Type of gen. func.: ogf

$$- \frac{(x - 1) (x + 1)}{x^4 - 15 x^3 + 32 x^2 - 15 x + 1}$$

Sequence: A006238
Score: 5.35267
Type of gen. func.: ogf

$$(103328 f(x) - 1259)$$

$$(f(x) x^4 - 15 f(x) x^3 + 32 f(x) x^2 - 15 f(x) x + x^2 + f(x) - 1)$$

Sequence: A006238
Score: 6.49966
Type of gen. func.: lgdogf

$$- \frac{-2 x^5 + 15 x^4 + 4 x^3 - 60 x^2 + 66 x - 15}{-x^6 + 15 x^5 - 31 x^4 + 31 x^2 - 15 x + 1}$$

Sequence: A006238
Score: 9.54639
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - 15 x^4 - 4 x^3 + 60 x^2 - 66 x + 15}{(x - 1) (x + 1) (x^4 - 15 x^3 + 32 x^2 - 15 x + 1)}$$

Sequence: A006239
Score: 4.21078
Type of gen. func.: ogf

$$-(303939 f(x) + 122444)$$

$$(49 f(x) x^4 - 91 f(x) x^3 + 54 f(x) x^2 - 13 f(x) x + 7 x^2 + f(x) - 1)$$

Sequence: A006239
Score: 8.72670
Type of gen. func.: ogf

$$-\frac{7 x^2 - 1}{(x - 1) (7 x - 1) (7 x^2 - 5 x + 1)}$$

Sequence: A006240
Score: 4.99912
Type of gen. func.: ogf

$$(3375 x^6 - 2505 x^4 + 1200 x^3 - 167 x^2 + 1) \Big/ ((x - 1) (15 x - 1) (3 x - 1)$$

$$(5 x - 1) (45 x^2 - 12 x + 1) (5 x^2 - 4 x + 1))$$

Sequence: A006244
Score: 11.4424
Type of gen. func.: ogf

$$-\frac{x^2 - 8 x + 1}{(x - 1) (x^2 - 98 x + 1)}$$

Sequence: A006244
Score: 11.6358
Type of gen. func.: lgdogf

$$-\frac{x^4 - 16 x^3 + 696 x^2 - 196 x + 91}{(x - 1) (x^2 - 8 x + 1) (x^2 - 98 x + 1)}$$

Sequence: A006244
Score: 5.95763

Type of gen. func.: ogf

$$(407441 f(x) - 3436) (f(x) x^3 - 99 f(x) x^2 + 99 f(x) x + x^2 - f(x) - 8 x + 1)$$

Sequence: A006244
Score: 6.10909
Type of gen. func.: ogf

$$\{-a(n + 3) + 99 a(n + 2) - 99 a(n + 1) + a(n), a(0) = 1, a(1) = 91, a(2) = 8911\}$$

Sequence: A006244
Score: 6.55339
Type of gen. func.: lgdogf

$$- \frac{-x^4 + 16 x^3 - 696 x^2 + 196 x - 91}{-x^5 + 107 x^4 - 892 x^3 + 892 x^2 - 107 x + 1}$$

Sequence: A006253
Score: 10.0911
Type of gen. func.: lgdogf

$$- \frac{-2 x^3 + 6 x^2 - 6 x - 2}{-x^4 + 4 x^3 - 4 x + 1}$$

Sequence: A006253
Score: 13.7086
Type of gen. func.: ogf

$$- \frac{x - 1}{(x + 1) (x^2 - 4 x + 1)}$$

Sequence: A006253
Score: 16.2165
Type of gen. func.: lgdogf

$$-\frac{2\,(x^3 - 3\,x^2 + 3\,x + 1)}{(x - 1)\,(x + 1)\,(x^2 - 4\,x + 1)}$$

Sequence: A006253
Score: 6.4871
Type of gen. func.: ogf

$$-(1318\,f(x) - 111)\,(f(x)\,x^3 - 3\,f(x)\,x^2 - 3\,f(x)\,x + f(x) + x - 1)$$

Sequence: A006253
Score: 6.48711
Type of gen. func.: ogf

$$\{-a(n + 3) + 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 1,\ a(1) = 2,\ a(2) = 9\}$$

Sequence: A006256
Score: 3.58244
Type of gen. func.: ogf

$$\{(729\,n^2 + 2916\,n + 2835)\,a(n + 1) + (-216\,n^2 - 1026\,n - 1230)\,a(n + 2)$$
$$+ (16\,n^2 + 88\,n + 120)\,a(n + 3),\ a(0) = 1,\ a(1) = 6,\ a(2) = 39\}$$

Sequence: A006256
Score: 6.18208
Type of gen. func.: ogf

$$729\,f(x)^3\,x^2 - 216\,f(x)^3\,x + 16\,f(x)^3 + 162\,f(x)^2\,x - 24\,f(x)^2 + 9\,f(x) - 1$$

Sequence: A006261
Score: 11.8911
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^4 - 3\,x^3 + 5\,x^2 - 3\,x + 1)}{(x - 1)\,(x^2 - x + 1)\,(3\,x^2 - 3\,x + 1)}$$

Sequence: A006261
Score: 6.77047
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1)\,(3 x^2 - 3 x + 1)}{(x - 1)^6}$$

Sequence: A006298
Score: 11.1430
Type of gen. func.: ogf

$$\{(-3 - n)\, a(n + 3) + (29 + 3 n)\, a(n + 2) + (22 + 4 n)\, a(n + 1),\ a(0) = 21,$$

$$a(1) = 483,\ a(2) = 6468\}$$

Sequence: A006298
Score: 72.7805
Type of gen. func.: lgdogf

$$-\frac{23 + 18 x}{(x + 1)\,(4 x - 1)}$$

Sequence: A006300
Score: 9.95038
Type of gen. func.: lgdogf

$$40 - 372 x - 3600 x^2 + (-2880 x^3 - 192 x^2 + 60 x - 2)\, f(x)$$

$$+ (-576 x^4 - 48 x^3 + 20 x^2 - x)\, f(x)^2$$

Sequence: A006318
Score: 12.2860
Type of gen. func.: lgdogf

$$-\frac{-x - 1 + (x^2 - 6 x + 1)^{1/2}}{2\,(x^2 - 6 x + 1)^{1/2}\, x}$$

Sequence: A006318
Score: 12.6027
Type of gen. func.: ogf

$$-f(x)^2 x - f(x) x + f(x) - 1$$

Sequence: A006318
Score: 3.57481
Type of gen. func.: ogf

$$\{(n^2 + n) a(n) + (-5 n^2 - 11 n - 6) a(n + 1) + (-5 n^2 - 29 n - 42) a(n + 2) + (n^2 + 7 n + 12) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A006318
Score: 43.0010
Type of gen. func.: revogf

$$-\frac{x (x - 1)}{x + 1}$$

Sequence: A006319
Score: 12.2754
Type of gen. func.: lgdogf

$$\frac{(x + 1) ((x^2 - 6 x + 1)^{1/2} + x - 1)}{2 x (x - 1) (x^2 - 6 x + 1)^{1/2}}$$

Sequence: A006319
Score: 8.28228
Type of gen. func.: ogf

$$f(x)^2 x - f(x) x^2 + 2 f(x) x + x^2 - f(x) - 2 x + 1$$

Sequence: A006320
Score: 4.7421
Type of gen. func.: ogf

$$-f(x)^2 x^3 - f(x) x^3 + 6 f(x) x^2 - 6 f(x) x + f(x) - 1$$

Sequence: A006320
Score: 8.95350
Type of gen. func.: lgdogf

$$-\frac{3 (-x - 1 + (x^2 - 6 x + 1)^{1/2})}{2 (x^2 - 6 x + 1)^{1/2} x}$$

Sequence: A006321
Score: 12.4860
Type of gen. func.: lgdogf

$$\frac{2 (-1 + 6 x - x^2 + ((x + 1)^2 (x^2 - 6 x + 1))^{1/2})}{x (x^2 - 6 x + 1)}$$

Sequence: A006321
Score: 3.35734
Type of gen. func.: ogf

$$\{(-n^2 - 4 n) a(n) + (5 n^2 + 26 n + 45) a(n + 1) + (5 n^2 + 44 n + 108) a(n + 2)$$
$$+ (-n^2 - 10 n - 21) a(n + 3), a(0) = 1, a(1) = 8, a(2) = 48\}$$

Sequence: A006321
Score: 5.15766
Type of gen. func.: ogf

$$(3 f(x) + 139)$$

$$(f(x)^2 x^4 - f(x) x^4 + 8 f(x) x^3 - 16 f(x) x^2 + 8 f(x) x - f(x) + 1)$$

Sequence: A006322
Score: 21.3321
Type of gen. func.: lgdogf

$$-\frac{(4 + x)(3 x + 2)}{(x - 1)(x^2 + 3 x + 1)}$$

Sequence: A006322
Score: 8.82087
Type of gen. func.: ogf

$$-\frac{x^2 + 3 x + 1}{(x - 1)^5}$$

Sequence: A006323
Score: 19.7061
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 22 x + 10}{(x - 1)(x^2 + 5 x + 1)}$$

Sequence: A006323
Score: 8.65967
Type of gen. func.: ogf

$$-\frac{x^2 + 5 x + 1}{(x - 1)^5}$$

Sequence: A006324
Score: 21.8173
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 26 x + 11}{(x - 1)(x^2 + 6 x + 1)}$$

Sequence: A006324
Score: 3.76181
Type of gen. func.: ogf

{(n + 4) a(n + 4) + (4 + 5 n) a(n + 3) + (-36 - 5 n) a(n + 2)

+ (-n - 4) a(n + 1), a(0) = 1, a(1) = 11, a(2) = 46, a(3) = 130}

Sequence: A006324
Score: 9.57118
Type of gen. func.: ogf

$$-\frac{x^2 + 6 x + 1}{(x - 1)^5}$$

Sequence: A006325
Score: 34.5617
Type of gen. func.: ogf_with_Euler_transform]

[7 - 2 x]

Sequence: A006325
Score: 36.1940
Type of gen. func.: lgdogf

$$-\frac{7 + 3 x}{(x + 1) (x - 1)}$$

Sequence: A006325
Score: 5.53906
Type of gen. func.: ogf

{(n + 1) a(n + 3) - 7 a(n + 2) + (-2 - n) a(n + 1), a(0) = 0, a(1) = 0,

a(2) = 1}

Sequence: A006325
Score: 8.40409

Type of gen. func.: ogf

$$-\frac{x^2 (x+1)^2}{(x-1)^5}$$

Sequence: A006327
Score: 16.6290
Type of gen. func.: ogf

$$\frac{x (x+2)}{(x-1) (x^2+x-1)}$$

Sequence: A006327
Score: 20.6130
Type of gen. func.: lgdogf

$$-\frac{2 x^3+6 x^2-5}{(x+2) (x-1) (x^2+x-1)}$$

Sequence: A006327
Score: 8.4877
Type of gen. func.: ogf

$$-(116 f(x)+55) (f(x) x^3-2 f(x) x-x^2+f(x)-2 x)$$

Sequence: A006327
Score: 8.76151
Type of gen. func.: ogf

$$\{a(n+3)-2 a(n+2)+a(n), a(0)=0, a(1)=2, a(2)=5\}$$

Sequence: A006328
Score: 8.29153
Type of gen. func.: ogf

$$-\frac{(x + 1) (x + x - 5)}{(x - 1) (x^2 + x - 1) (x^3 - x^2 - 2 x + 1)}$$

Sequence: A006331
Score: 11.7120
Type of gen. func.: ogf

$$\frac{2 (x + 1) x}{(x - 1)^4}$$

Sequence: A006331
Score: 36.0105
Type of gen. func.: ogf_with_Euler_transform]

[5 - x]

Sequence: A006331
Score: 37.5071
Type of gen. func.: lgdogf

$$-\frac{3 x + 5}{(x - 1) (x + 1)}$$

Sequence: A006331
Score: 5.63913
Type of gen. func.: ogf

$$-(1072 f(x) + 1793)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 2 x^2 + f(x) - 2 x)$$

Sequence: A006331
Score: 5.68121
Type of gen. func.: ogf

$\{(n + 2) a(n + 3) - 5 a(n + 2) + (-3 - n) a(n + 1), a(0) = 0, a(1) = 2,$

$a(2) = 10\}$

Sequence: A006332
Score: 14.2425
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^{3} + 19 x^{2} + 28 x + 7)}{(x - 1) (x + 1) (x^{2} + 6 x + 1)}$$

Sequence: A006332
Score: 3.87623
Type of gen. func.: ogf

$$\{(-2 n^{2} - 15 n - 28) a(n + 1) + (4 n^{2} + 24 n + 62) a(n + 2)$$
$$+ (-2 n^{2} - 9 n - 10) a(n + 3), a(0) = 0, a(1) = 2, a(2) = 28\}$$

Sequence: A006332
Score: 6.25086
Type of gen. func.: ogf

$$-\frac{2 x (x + 1) (x^{2} + 6 x + 1)}{(x - 1)^{7}}$$

Sequence: A006333
Score: 3.85878
Type of gen. func.: ogf

$$\frac{2 x (x + 1) (x^{4} + 19 x^{3} + 56 x^{2} + 19 x + 1)}{(x - 1)^{10}}$$

Sequence: A006333
Score: 8.19351
Type of gen. func.: lgdogf

$$-\frac{5 (x^{5} + 25 x^{4} + 121 x^{3} + 165 x^{2} + 66 x + 6)}{}$$

$$(x - 1) (x + 1) (x^4 + 19 x^3 + 56 x^2 + 19 x + 1)$$

Sequence: A006334
Score: 5.41046
Type of gen. func.: ogf

$$\{(-2 n^3 - 33 n^2 - 181 n - 330) a(n + 1) + (2 n^3 + 9 n^2 + 13 n + 6) a(n + 2),$$
$$a(0) = 0, a(1) = 2\}$$

Sequence: A006334
Score: 6.27682
Type of gen. func.: lgdogf

$$- \frac{6 x^7 + 301 x^6 + 3164 x^5 + 10829 x^4 + 14014 x^3 + 7007 x^2 + 1232 x + 55}{(x - 1) (x + 1) (x^6 + 41 x^5 + 323 x^4 + 678 x^3 + 323 x^2 + 41 x + 1)}$$

Sequence: A006335
Score: 19.8366
Type of gen. func.: revogf

$$1/108 + \frac{2 x}{3} - \frac{(-(24 x - 1)^3)^{1/2}}{108}$$

Sequence: A006335
Score: 5.87352
Type of gen. func.: ogf

$$\{(54 n^2 + 162 n + 120) a(n + 1) + (-2 n^2 - 11 n - 15) a(n + 2), a(0) = 1,$$
$$a(1) = 2\}$$

Sequence: A006335
Score: 8.77573
Type of gen. func.: ogf

$$-64 f(x)^3 x^2 - 16 f(x)^2 x + 72 f(x) x - f(x) - 54 x + 1$$

Sequence: A006342
Score: 11.9898
Type of gen. func.: lgdogf

$$-\frac{12 x^{3} - 11 x^{2} + 2 x + 1}{(x - 1) (3 x - 1) (2 x - 1) (x + 1)}$$

Sequence: A006342
Score: 14.5493
Type of gen. func.: ogf

$$-\frac{2 x - 1}{(x - 1) (3 x - 1) (x + 1)}$$

Sequence: A006342
Score: 6.88493
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + a(n + 1) - 3 a(n), a(0) = 1, a(1) = 1, a(2) = 4\}$$

Sequence: A006342
Score: 7.13991
Type of gen. func.: ogf

$$-(19 f(x) - 3) (3 f(x) x^{3} - f(x) x^{2} - 3 f(x) x + f(x) + 2 x - 1)$$

Sequence: A006343
Score: 15.1762
Type of gen. func.: revogf

$$\frac{(2 + x + (-x^{2} (4 x - 1))^{1/2}) x}{2 (x^{3} + x + 1)}$$

Sequence: A006343

```
Score: 7.27982
Type of gen. func.: ogf


                    3  3       2         2
               -f(x)  x  + f(x)  x - f(x)  - f(x) x + 2 f(x) - 1



------------------------------------------------------------------------------

Sequence:  A006347
Score: 4.27962
Type of gen. func.: ogf


{(-n - 4) a(n + 1) + (-n - 4) a(n + 2) + a(n + 3), a(0) = 0, a(1) = 1, a(2) = 3

    }



------------------------------------------------------------------------------

Sequence:  A006348
Score: 5.15050
Type of gen. func.: ogf


{(-n - 5) a(n + 1) + (-n - 5) a(n + 2) + a(n + 3), a(0) = 0, a(1) = 1, a(2) = 4

    }



------------------------------------------------------------------------------

Sequence:  A006351
Score: 58.9160
Type of gen. func.: revegf]


                                -x + 2 ln(x + 1)



------------------------------------------------------------------------------

Sequence:  A006353
Score: 8.53826
Type of gen. func.: ogf_with_Euler_transform]


                                4    3    2
                            -4 x  + x  - x  - 3 x - 5
                          - -------------------------
                             5    4    3    2
                            x  + x  + x  + x  + x + 1



------------------------------------------------------------------------------

Sequence:  A006355
Score: 10.7327
Type of gen. func.: ogf


                            2             2
                      f(x) x  + f(x) x + x  - f(x) - x + 1
```

Sequence: A006355
Score: 14.3777
Type of gen. func.: ogf

$$-\frac{x^2 - x + 1}{x^2 + x - 1}$$

Sequence: A006355
Score: 25.0343
Type of gen. func.: lgdogf

$$\frac{2 x (x - 2)}{(x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A006355
Score: 7.54475
Type of gen. func.: ogf

{-a(n + 3) + a(n + 2) + a(n + 1), a(0) = 1, a(1) = 0, a(2) = 2}

Sequence: A006356
Score: 11.3745
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{x^3 - x^2 - 2 x + 1}$$

Sequence: A006356
Score: 17.0060
Type of gen. func.: lgdogf

$$-\frac{x^4 - 2 x^3 + 3}{(x^2 - x - 1) (x^3 - x^2 - 2 x + 1)}$$

Sequence: A006356
Score: 5.93029
Type of gen. func.: ogf

$$-(25 f(x) + 11) (f(x) x^3 - f(x) x^2 - 2 f(x) x + x^2 + f(x) - x - 1)$$

Sequence: A006356
Score: 6.19504
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 3, a(2) = 6\}$$

Sequence: A006357
Score: 10.3774
Type of gen. func.: lgdogf

$$- \frac{x^6 + 2 x^5 - 2 x^4 - 4 x^3 + 2 x^2 + 4 x + 4}{(x + 1) (x^3 - 3 x + 1) (x^3 + x^2 - 2 x - 1)}$$

Sequence: A006357
Score: 5.17307
Type of gen. func.: ogf

$$-(17 f(x) - 11)$$

$$(f(x) x^4 + f(x) x^3 - 3 f(x) x^2 + x^3 - 2 f(x) x + x^2 + f(x) - 2 x - 1)$$

Sequence: A006357
Score: 9.60712
Type of gen. func.: ogf

$$- \frac{x^3 + x^2 - 2 x - 1}{(x + 1) (x^3 - 3 x + 1)}$$

Sequence: A006358

Score: 6.59531
Type of gen. func.: ogf

$$-\frac{(x-1)(x^3-3x-1)}{x^5-x^4-4x^3+3x^2+3x-1}$$

Sequence: A006358
Score: 7.06649
Type of gen. func.: lgdogf

$$-\frac{x^8-2x^7-4x^6+8x^5+5x^4-10x^3+5}{(x-1)(x^3-3x-1)(x^5-x^4-4x^3+3x^2+3x-1)}$$

Sequence: A006359
Score: 6.73307
Type of gen. func.: ogf

$$-\frac{x^5+x^4-4x^3-3x^2+3x+1}{x^6+x^5-5x^4-4x^3+6x^2+3x-1}$$

Sequence: A006367
Score: 10.7804
Type of gen. func.: ogf

$$\frac{(x-1)^2}{(x^2+x-1)^2}$$

Sequence: A006367
Score: 27.1488
Type of gen. func.: lgdogf

$$-\frac{2x(x-2)}{(x-1)(x^2+x-1)}$$

Sequence: A006367
Score: 4.15559
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-6 - 2 n) a(n + 3) - 4 a(n + 2) + (n + 3) a(n + 1),$$

$$a(0) = 1, a(1) = 0, a(2) = 2, a(3) = 2\}$$

Sequence: A006367
Score: 5.72192
Type of gen. func.: ogf

$$(5 f(x) + 11) (f(x) x^4 + 2 f(x) x^3 - f(x) x^2 - 2 f(x) x - x^2 + f(x) + 2 x - 1)$$

Sequence: A006368
Score: 10.5659
Type of gen. func.: ogf

$$\frac{x (x^4 + 3 x^3 + x^2 + 3 x + 1)}{(x^2 + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A006368
Score: 9.94686
Type of gen. func.: lgdogf

$$- \frac{2 x^7 + 9 x^6 + 6 x^5 + 21 x^4 + 12 x^3 + 15 x^2 + 4 x + 3}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 3 x^3 + x^2 + 3 x + 1)}$$

Sequence: A006369
Score: 11.5358
Type of gen. func.: lgdogf

$$- \frac{2 x^6 + 9 x^5 + 8 x^4 + 19 x^3 + 15 x^2 + 4 x + 3}{(x - 1) (x^2 + x + 1) (x^2 + 3 x + 1) (x^2 + 1)}$$

Sequence: A006369
Score: 11.5526
Type of gen. func.: ogf

$$\frac{x (x^2 + 1) (x^2 + 3 x + 1)}{(x^2 + x + 1)^2 (x - 1)^2}$$

Sequence: A006370
Score: 14.4062
Type of gen. func.: ogf

$$\frac{x (2 x^2 + x + 4)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A006370
Score: 18.9931
Type of gen. func.: lgdogf

$$- \frac{4 x^3 + 3 x^2 + 20 x + 1}{(x - 1) (x + 1) (2 x^2 + x + 4)}$$

Sequence: A006370
Score: 7.98892
Type of gen. func.: ogf

$$-(11095 f(x) - 155857) (f(x) x^4 - 2 f(x) x^2 - 2 x^3 - x^2 + f(x) - 4 x)$$

Sequence: A006380
Score: 3.96886
Type of gen. func.: ogf

$$\frac{x^8 - x^7 + x^6 + x^4 + x^2 - x + 1}{(x^2 + 1) (x + 1)^2 (x^2 + x + 1)^2 (x - 1)^8}$$

Sequence: A006407
Score: 3.59231
Type of gen. func.: ogf

$$(2 f(x) x - f(x) - x + 1)^3$$

Sequence: A006411
Score: 25.8787
Type of gen. func.: lgdogf

$$-\frac{10 (x + 2)}{(3 + 2 x) (x - 1)}$$

Sequence: A006411
Score: 3.95334
Type of gen. func.: ogf

$$\{(-9 - 3 n) a(n + 3) + (22 + n) a(n + 2) + (12 + 2 n) a(n + 1), a(0) = 3, a(1) = 20, a(2) = 75\}$$

Sequence: A006411
Score: 7.61019
Type of gen. func.: ogf

$$\frac{3 + 2 x}{(x - 1)^6}$$

Sequence: A006414
Score: 23.9987
Type of gen. func.: lgdogf

$$-\frac{4 x^2 + 17 x + 9}{(x - 1) (x^2 + 3 x + 1)}$$

Sequence: A006414
Score: 4.03146

Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-3 + 2 n) a(n + 3) + (-21 - 2 n) a(n + 2) + (-n - 5) a(n + 1), a(0) = 1, a(1) = 9, a(2) = 40, a(3) = 125\}$$

Sequence: A006414
Score: 9.16241
Type of gen. func.: ogf

$$\frac{x^2 + 3 x + 1}{(x - 1)^6}$$

Sequence: A006416
Score: 17.0865
Type of gen. func.: lgdogf

$$- \frac{2 (x + 1) (x - 2)^2}{(x - 1) (2 x^3 - 6 x^2 + 4 x + 1)}$$

Sequence: A006416
Score: 3.89672
Type of gen. func.: ogf

$$\{(15 n^2 + 69 n + 78) a(n + 1) + (-44 n^2 - 262 n - 396) a(n + 2) + (29 n^2 + 151 n + 192) a(n + 3), a(0) = 1, a(1) = 8, a(2) = 20\}$$

Sequence: A006416
Score: 5.30857
Type of gen. func.: ogf

$$(7 f(x) + 65) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 2 x^3 - 4 f(x) x + 6 x^2 + f(x) - 4 x - 1)$$

Sequence: A006416

Score: 9.51406
Type of gen. func.: ogf

$$\frac{2 x^3 - 6 x^2 + 4 x + 1}{(x - 1)^4}$$

Sequence: A006419
Score: 4.28983
Type of gen. func.: ogf

$$\{(16 n^2 + 88 n + 120) a(n + 1) + (-8 n^2 - 50 n - 70) a(n + 2) + (n^2 + 7 n + 10) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 7\}$$

Sequence: A006419
Score: 6.71451
Type of gen. func.: ogf

$$16 f(x)^2 x^4 - 8 f(x)^2 x^3 + f(x)^2 x^2 - 12 f(x) x^2 + 7 f(x) x - f(x) + x$$

Sequence: A006431
Score: 4.87839
Type of gen. func.: ogf

$$x (36 x^{13} + 28 x^{12} + 32 x^{11} + 21 x^{10} + 17 x^9 + 14 x^8 + 13 x^7 + 12 x^6 + 5 x^5 + 2 x^4 - x^3 - 3 x^2 - 2 x - 1) / (4 x^3 - 1)$$

Sequence: A006438
Score: 10.2535
Type of gen. func.: egf]

$$f(x)^2 x^2 - 8 f(x)^2 x + f(x)^2 - 1$$

Sequence: A006438
Score: 25.3856

Type of gen. func.: revegf]

$$-5/2 \exp(-x) - 3/2 \exp(x) + 4$$

Sequence: A006438
Score: 35.2577
Type of gen. func.: lgdegf]

$$-\frac{x - 4}{x^2 - 8 x + 1}$$

Sequence: A006438
Score: 4.48592
Type of gen. func.: ogf

$$\{(-n^2 - 4 n - 4) a(n + 1) + (8 n + 20) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 4, a(2) = 47\}$$

Sequence: A006442
Score: 10.017
Type of gen. func.: ogf

$$f(x)^2 x^2 - 10 f(x)^2 x + f(x)^2 - 1$$

Sequence: A006442
Score: 31.4552
Type of gen. func.: lgdogf

$$-\frac{-5 + x}{x^2 - 10 x + 1}$$

Sequence: A006442
Score: 4.19010
Type of gen. func.: ogf

$$\{(-3 - n) a(n + 3) + (25 + 10 n) a(n + 2) + (-2 - n) a(n + 1), a(0) = 1, a(1) = 5, a(2) = 37\}$$

Sequence: A006446
Score: 14.1308
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^{2} + 1) (x^{3} - x^{2} - 2 x - 1)}{(x - 1) (x^{2} + x + 1) (x^{3} - x^{2} - x - 1)}$$

Sequence: A006446
Score: 9.83407
Type of gen. func.: ogf

$$\frac{x^{3} - x^{2} - x - 1}{(x^{2} + x + 1)^{2} (x - 1)^{3}}$$

Sequence: A006451
Score: 6.76861
Type of gen. func.: lgdogf

$$-\frac{2 x^{7} + 5 x^{6} - 16 x^{5} - 19 x^{4} + 42 x^{3} + 19 x^{2} - 20 x - 5}{(x - 1) (x^{2} + 2 x - 1) (x^{2} - 2 x - 1) (x^{3} + 2 x^{2} - 3 x - 2)}$$

Sequence: A006451
Score: 7.64264
Type of gen. func.: ogf

$$\frac{x (x^{3} + 2 x^{2} - 3 x - 2)}{(x - 1) (x^{2} + 2 x - 1) (x^{2} - 2 x - 1)}$$

Sequence: A006452
Score: 10.5176
Type of gen. func.: ogf

3   2

$$-\frac{2 x + 4 x - x - 1}{(x^2 + 2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A006452
Score: 6.57347
Type of gen. func.: ogf

$$(112 f(x) - 31) (f(x) x^4 - 6 f(x) x^2 + 2 x^3 + 4 x^2 + f(x) - x - 1)$$

Sequence: A006452
Score: 8.93382
Type of gen. func.: lgdogf

$$-\frac{2 x^6 + 8 x^5 + 9 x^4 - 4 x^3 + 4 x + 1}{(x^2 + 2 x - 1) (x^2 - 2 x - 1) (2 x^3 + 4 x^2 - x - 1)}$$

Sequence: A006453
Score: 17.2067
Type of gen. func.: revegf]

$$-7/2 \exp(-x) - 5/2 \exp(x) + 6$$

Sequence: A006453
Score: 21.5083
Type of gen. func.: lgdegf]

$$-\frac{-6 + x}{x^2 - 12 x + 1}$$

Sequence: A006453
Score: 3.01865
Type of gen. func.: ogf

$$\{(-n^2 - 4 n - 4) a(n + 1) + (12 n + 30) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 6,$$

$$a(2) = 107\}$$

Sequence: A006453
Score: 6.88629
Type of gen. func.: egf]

$$-f(x)^2 x^2 + 12 f(x)^2 x - f(x)^2 + 1$$

Sequence: A006454
Score: 6.58466
Type of gen. func.: lgdogf

$$-\frac{3 x^6 + 14 x^5 - 41 x^4 - 276 x^3 + 33 x^2 + 70 x + 5}{(x - 1) (x^2 + 6 x + 1) (x^2 - 6 x + 1) (x^2 + 4 x + 1)}$$

Sequence: A006454
Score: 9.19364
Type of gen. func.: ogf

$$-\frac{3 x (x^2 + 4 x + 1)}{(x - 1) (x^2 + 6 x + 1) (x^2 - 6 x + 1)}$$

Sequence: A006457
Score: 6.56652
Type of gen. func.: lgdogf

$$-\frac{16 x^6 - 4 x^5 + 12 x^4 - 4 x^3 - 16 x^2 - x + 5}{(x - 1) (2 x - 1) (2 x^2 - 1) (2 x^3 + x + 1)}$$

Sequence: A006457
Score: 9.77367
Type of gen. func.: ogf

$$\frac{2 x^3 + x + 1}{(2 x - 1) (2 x^2 - 1) (x - 1)^2}$$

Sequence: A006458
Score: 7.53801
Type of gen. func.: ogf

$$\frac{6 x^{5} + 2 x^{4} + x^{2} + 2 x + 1}{(3 x - 1) (2 x^{3} + 2 x^{2} - 1) (x - 1)^{2}}$$

Sequence: A006469
Score: 3.79739
Type of gen. func.: ogf

$$\{(-10 n - 40) a(n + 4) + (82 + n) a(n + 3) + (72 + 12 n) a(n + 2)$$
$$+ (-18 - 3 n) a(n + 1), a(0) = 10, a(1) = 79, a(2) = 340, a(3) = 1071\}$$

Sequence: A006469
Score: 8.09851
Type of gen. func.: ogf

$$\frac{3 x^{2} - 9 x - 10}{(x - 1)^{7}}$$

Sequence: A006470
Score: 13.2582
Type of gen. func.: ogf

$$\frac{3 x + 2}{(x - 1)^{6}}$$

Sequence: A006470
Score: 45.4615
Type of gen. func.: lgdogf

$$- \frac{15 (x + 1)}{(3 x + 2) (x - 1)}$$

Sequence: A006470
Score: 6.88740
Type of gen. func.: ogf

$$\{(-6 - 2n)\, a(n+3) + (13 - n)\, a(n+2) + (18 + 3n)\, a(n+1),\ a(0) = 2,\ a(1) = 15,\ a(2) = 60\}$$

Sequence: A006472
Score: 7.33043
Type of gen. func.: ogf

$$\{(n^2 + 5n + 6)\, a(n+1) - 2\, a(n+2),\ a(0) = 1,\ a(1) = 1\}$$

Sequence: A006478
Score: 13.8472
Type of gen. func.: ogf

$$-\frac{1}{(x - 1)(x^2 + x - 1)^2}$$

Sequence: A006478
Score: 26.7264
Type of gen. func.: lgdogf

$$-\frac{5x^2 - x - 3}{(x - 1)(x^2 + x - 1)}$$

Sequence: A006478
Score: 4.36071
Type of gen. func.: ogf

$$\{(-n - 4)\, a(n+4) + (9 + 2n)\, a(n+3) + a(n+2) + (-6 - n)\, a(n+1),\ a(0) = 1,\ a(1) = 3,\ a(2) = 8,\ a(3) = 18\}$$

Sequence: A006478
Score: 6.99536
Type of gen. func.: ogf

$$f(x) x^5 + f(x) x^4 - 3 f(x) x^3 - f(x) x^2 + x^3 + 3 f(x) x - f(x)$$

Sequence: A006479
Score: 4.79691
Type of gen. func.: ogf

$$\frac{x^3 (x^2 + x + 1)}{(x - 1) (x^2 + x - 1)^3}$$

Sequence: A006479
Score: 9.07911
Type of gen. func.: lgdogf

$$- \frac{5 x^4 + 4 x^3 + 5 x^2 - 6 x - 5}{(x - 1) (x^2 + x + 1) (x^2 + x - 1)}$$

Sequence: A006480
Score: 11.3328
Type of gen. func.: ogf

hypergeom([1/3, 2/3], [1], 27 x)

Sequence: A006480
Score: 4.60685
Type of gen. func.: ogf

$$\{(-27 n^2 - 81 n - 60) a(n + 1) + (n^2 + 4 n + 4) a(n + 2), a(0) = 1, a(1) = 6\}$$

Sequence: A006483
Score: 13.3288
Type of gen. func.: ogf

2

$$-\frac{6 x - 1}{(x - 1) (4 x^2 + 2 x - 1)}$$

Sequence: A006483
Score: 14.0833
Type of gen. func.: lgdogf

$$-\frac{24 x^4 + 6 x^2 - 8 x + 3}{(x - 1) (4 x^2 + 2 x - 1) (6 x^2 - 1)}$$

Sequence: A006483
Score: 6.78341
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 2 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 3, a(2) = 5\}$$

Sequence: A006483
Score: 6.90675
Type of gen. func.: ogf

$$(85 f(x) - 111) (4 f(x) x^3 - 2 f(x) x^2 - 3 f(x) x + 6 x^2 + f(x) - 1)$$

Sequence: A006484
Score: 22.5549
Type of gen. func.: lgdogf

$$-\frac{15 x^2 + 2 x + 3}{(x - 1) (5 x^2 - 2 x + 1)}$$

Sequence: A006484
Score: 4.06339
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-9 - 3 n) a(n + 3) + (5 + 7 n) a(n + 2) + (-15 - 5 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 10\}$$

Sequence: A006484
Score: 9.64442
Type of gen. func.: ogf

$$-\frac{x\,(5\,x^{2}-2\,x+1)}{(x-1)^{5}}$$

Sequence: A006490
Score: 12.2307
Type of gen. func.: ogf

$$\frac{2\,x^{2}-2\,x+1}{(x^{2}+x-1)^{2}}$$

Sequence: A006490
Score: 16.8456
Type of gen. func.: lgdogf

$$-\frac{2\,x\,(2\,x^{2}-3\,x+3)}{(2\,x^{2}-2\,x+1)\,(x^{2}+x-1)}$$

Sequence: A006490
Score: 4.85012
Type of gen. func.: ogf

$$\{(-n^{2}-7\,n-12)\,a(n+1)+(-n^{2}-6\,n-8)\,a(n+2)+(n^{2}+5\,n+6)\,a(n+3)$$

$$,\ a(0)=1,\ a(1)=0,\ a(2)=3\}$$

Sequence: A006490
Score: 6.16
Type of gen. func.: ogf

$$-(275\,f(x)+467)$$

4 3 2 2

$$(f(x)\, x + 2\, f(x)\, x - f(x)\, x - 2\, f(x)\, x - 2\, x + f(x) + 2\, x - 1)$$

Sequence: A006491
Score: 13.0155
Type of gen. func.: lgdogf

$$-\frac{x\,(6\,x^{3} - 16\,x^{2} + 17\,x - 8)}{(x - 1)\,(2\,x^{2} - 2\,x + 1)\,(x^{2} + x - 1)}$$

Sequence: A006491
Score: 9.43416
Type of gen. func.: ogf

$$\frac{(x - 1)\,(2\,x^{2} - 2\,x + 1)}{(x^{2} + x - 1)^{3}}$$

Sequence: A006492
Score: 6.54034
Type of gen. func.: ogf

$$\frac{(2\,x^{2} - 2\,x + 1)\,(x - 1)^{2}}{(x^{2} + x - 1)^{4}}$$

Sequence: A006492
Score: 8.38415
Type of gen. func.: lgdogf

$$-\frac{2\,x\,(4\,x^{3} - 11\,x^{2} + 11\,x - 5)}{(x - 1)\,(2\,x^{2} - 2\,x + 1)\,(x^{2} + x - 1)}$$

Sequence: A006493
Score: 13.9817
Type of gen. func.: lgdogf

$$-\frac{x\,(10\,x^{3}-28\,x^{2}+27\,x-12)}{(x-1)\,(2\,x^{2}-2\,x+1)\,(x^{2}+x-1)}$$

Sequence: A006493
Score: 5.41970
Type of gen. func.: ogf

$$\frac{(2\,x^{2}-2\,x+1)\,(x-1)^{3}}{(x^{2}+x-1)^{5}}$$

Sequence: A006495
Score: 13.5440
Type of gen. func.: ogf

$$-\frac{x-1}{5\,x^{2}-2\,x+1}$$

Sequence: A006495
Score: 18.2796
Type of gen. func.: lgdogf

$$-\frac{5\,x^{2}-10\,x+1}{(x-1)\,(5\,x^{2}-2\,x+1)}$$

Sequence: A006495
Score: 7.17036
Type of gen. func.: ogf

$$(4\,f(x)-3)\,(5\,f(x)\,x^{2}-2\,f(x)\,x+f(x)+x-1)$$

Sequence: A006495
Score: 7.43270
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + 5 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A006496
Score: 12.7469
Type of gen. func.: ogf

$$-5 f(x) x^2 + 2 f(x) x - f(x) + 2 x$$

Sequence: A006496
Score: 20.3261
Type of gen. func.: ogf

$$\frac{2 x}{5 x^2 - 2 x + 1}$$

Sequence: A006496
Score: 31.7462
Type of gen. func.: lgdogf

$$- \frac{2 (5 x - 1)}{5 x^2 - 2 x + 1}$$

Sequence: A006496
Score: 9.28477
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + 5 a(n), a(0) = 0, a(1) = 2\}$$

Sequence: A006497
Score: 14.0915
Type of gen. func.: ogf

$$\frac{-2 + 3 x}{x^2 + 3 x - 1}$$

Sequence: A006497
Score: 17.7498
Type of gen. func.: lgdogf

$$-\frac{3x^2-4x-3}{(-2+3x)(x^2+3x-1)}$$

Sequence: A006497
Score: 6.96834
Type of gen. func.: ogf

$$-(13 f(x) - 17) (f(x) x^2 + 3 f(x) x - f(x) - 3 x + 2)$$

Sequence: A006497
Score: 7.73316
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) + a(n), a(0) = 2, a(1) = 3\}$$

Sequence: A006498
Score: 20.4961
Type of gen. func.: ogf

$$-\frac{1}{(x^2+1)(x^2+x-1)}$$

Sequence: A006498
Score: 20.6584
Type of gen. func.: lgdogf

$$-\frac{(x+1)(4x^2-x+1)}{(x^2+1)(x^2+x-1)}$$

Sequence: A006498
Score: 6.11578
Type of gen. func.: ogf

{a(n + 4) - a(n + 3) - a(n + 1) - a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 2}

Sequence: A006498
Score: 7.66017
Type of gen. func.: ogf

$$(f(x) - 1) (f(x) x^4 + f(x) x^3 + f(x) x - f(x) + 1)$$

Sequence: A006499
Score: 10.5948
Type of gen. func.: ogf

$$- \frac{2 x^3 + 6 x^2 + 2 x + 1}{(x^2 + 1) (x^2 + x - 1)}$$

Sequence: A006499
Score: 5.84830
Type of gen. func.: ogf

{-a(n + 4) + a(n + 3) + a(n + 1) + a(n), a(0) = 1, a(1) = 3, a(2) = 9,

a(3) = 12}

Sequence: A006499
Score: 6.04164
Type of gen. func.: ogf

$$(25 f(x) - 52) (f(x) x^4 + f(x) x^3 + 2 x^3 + f(x) x + 6 x^2 - f(x) + 2 x + 1)$$

Sequence: A006499
Score: 9.07220
Type of gen. func.: lgdogf

$$- \frac{2 x^6 + 12 x^5 + 12 x^4 + 4 x^3 + 3 x^2 + 12 x + 3}{(x^2 + 1) (x^2 + x - 1) (2 x^3 + 6 x^2 + 2 x + 1)}$$

Sequence: A006500
Score: 5.27553
Type of gen. func.: ogf

$$-\frac{x^7+2x^6+x^5-x^4-3x^3-x^2-x-1}{(x^2+x-1)(x^6-x^3-1)}$$

Sequence: A006501
Score: 16.1958
Type of gen. func.: lgdogf

$$-\frac{2(3x^4+x^3+5x^2+2x+1)}{(x-1)(x^2+1)(x^2+x+1)}$$

Sequence: A006501
Score: 24.8841
Type of gen. func.: ogf_with_Euler_transform]

$$-x^3+2x^2+x+2$$

Sequence: A006501
Score: 8.50965
Type of gen. func.: ogf

$$\frac{x^2+1}{(x^2+x+1)^2(x-1)^4}$$

Sequence: A006502
Score: 4.05388
Type of gen. func.: ogf

$$-\frac{3x^8+20x^7+39x^6+15x^5-5x^4+10x^3-18x^2+7x-1}{(x^2+3x-1)(x^2+2x-1)^2(x^2+x-1)^3}$$

Sequence: A006503
Score: 12.7229
Type of gen. func.: ogf

$$-\frac{x\,(2\,x-3)}{(x-1)^{4}}$$

Sequence: A006503
Score: 26.1173
Type of gen. func.: lgdogf

$$-\frac{2\,(-5+3\,x)}{(x-1)\,(2\,x-3)}$$

Sequence: A006503
Score: 5.47673
Type of gen. func.: ogf

$\{(-6 - 3\,n)\,a(n + 3) + (15 + 5\,n)\,a(n + 2) + (-6 - 2\,n)\,a(n + 1), a(0) = 0,$

$a(1) = 3, a(2) = 10\}$

Sequence: A006503
Score: 6.41075
Type of gen. func.: ogf

$(74\,f(x) + 1229)$

$(f(x)\,x^{4} - 4\,f(x)\,x^{3} + 6\,f(x)\,x^{2} - 4\,f(x)\,x + 2\,x^{2} + f(x) - 3\,x)$

Sequence: A006504
Score: 10.1794
Type of gen. func.: ogf

$$-\frac{x^{2}-5\,x+5}{(x-1)^{5}}$$

Sequence: A006504
Score: 23.2182
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 18 x + 20}{(x - 1) (x^2 - 5 x + 5)}$$

Sequence: A006504
Score: 3.94204
Type of gen. func.: ogf

{(-5 n - 20) a(n + 4) + (50 + 10 n) a(n + 3) + (-30 - 6 n) a(n + 2)

+ (n + 4) a(n + 1), a(0) = 5, a(1) = 20, a(2) = 51, a(3) = 105}

Sequence: A006505
Score: 14.4804
Type of gen. func.: lgdegf]

-a(n + 1) + (n + 2) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 1/2

Sequence: A006516
Score: 10.6115
Type of gen. func.: ogf

$$-8 f(x) x^2 + 6 f(x) x - f(x) + x$$

Sequence: A006516
Score: 16.6633
Type of gen. func.: revogf

$$-\frac{-1 - 6 x + (4 x^2 + 12 x + 1)^{1/2}}{16 x}$$

Sequence: A006516
Score: 18.9720
Type of gen. func.: ogf

$$\frac{x}{(4 x - 1) (2 x - 1)}$$

Sequence: A006516
Score: 22.8349
Type of gen. func.: lgdogf

$$-\frac{2 (-3 + 8 x)}{(4 x - 1) (2 x - 1)}$$

Sequence: A006516
Score: 7.72933
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 8 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A006522
Score: 14.0533
Type of gen. func.: lgdogf

$$-\frac{x^2 (4 x^2 - 2 x + 3)}{(x - 1) (4 x^4 - 9 x^3 + 10 x^2 - 5 x + 1)}$$

Sequence: A006522
Score: 4.25969
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^5 - 5 f(x) x^4 + 10 f(x) x^3 + 4 x^4 - 10 f(x) x^2 - 9 x^3$$

$$+ 5 f(x) x + 10 x^2 - f(x) - 5 x + 1)$$

Sequence: A006522
Score: 7.54319
Type of gen. func.: ogf

$$-\frac{4 x^4 - 9 x^3 + 10 x^2 - 5 x + 1}{}$$

$$(x - 1)^5$$

Sequence: A006527
Score: 11.7465
Type of gen. func.: ogf

$$\frac{x\ (x^2 + 1)}{(x - 1)^4}$$

Sequence: A006527
Score: 26.1637
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^3 + x + 4]$$

Sequence: A006527
Score: 28.9323
Type of gen. func.: lgdogf

$$-\frac{2\ (x^2 + x + 2)}{(x - 1)\ (x^2 + 1)}$$

Sequence: A006527
Score: 3.89553
Type of gen. func.: ogf

$$\{(n + 3)\ a(n + 4) + (-6 - n)\ a(n + 3) + (-1 + n)\ a(n + 2) + (-2 - n)\ a(n + 1),$$

$$a(0) = 0,\ a(1) = 1,\ a(2) = 4,\ a(3) = 11\}$$

Sequence: A006527
Score: 7.41285
Type of gen. func.: ogf

$$f(x)\ x^4 - 4\ f(x)\ x^3 + 6\ f(x)\ x^2 - x^3 - 4\ f(x)\ x + f(x) - x$$

Sequence: A006528
Score: 20.4471
Type of gen. func.: lgdogf

$$-\frac{6\,(2\,x^2+2\,x+1)}{(x-1)\,(4\,x^2+x+1)}$$

Sequence: A006528
Score: 3.90029
Type of gen. func.: ogf

{(n + 3) a(n + 4) - 6 a(n + 3) + (-9 + 3 n) a(n + 2) + (-12 - 4 n) a(n + 1),

a(0) = 0, a(1) = 1, a(2) = 6, a(3) = 24}

Sequence: A006528
Score: 8.50546
Type of gen. func.: ogf

$$-\frac{x\,(4\,x^2+x+1)}{(x-1)^5}$$

Sequence: A006529
Score: 11.9554
Type of gen. func.: lgdogf

$$-\frac{2\,(77\,x^3+141\,x^2+27\,x+5)}{(x-1)\,(77\,x^3+17\,x^2+5\,x+1)}$$

Sequence: A006529
Score: 7.05260
Type of gen. func.: ogf

$$-\frac{x\,(77\,x^3+17\,x^2+5\,x+1)}{(x-1)^5}$$

Sequence: A006542
Score: 24.2437
Type of gen. func.: lgdogf

$$-\frac{5\,(x^2+4x+2)}{(x-1)\,(x^2+3x+1)}$$

Sequence: A006542
Score: 3.92988
Type of gen. func.: ogf

$$\{(-n-4)\,a(n+4)+(4-2n)\,a(n+3)+(24+2n)\,a(n+2)$$
$$+(6+n)\,a(n+1),\ a(0)=1,\ a(1)=10,\ a(2)=50,\ a(3)=175\}$$

Sequence: A006542
Score: 8.14335
Type of gen. func.: ogf

$$-\frac{x^2+3x+1}{(x-1)^7}$$

Sequence: A006550
Score: 5.59713
Type of gen. func.: ogf

$$\frac{x\,(6x^5-14x^4-10x^3-8x^2-3x-1)}{(x-1)^7}$$

Sequence: A006550
Score: 8.98120
Type of gen. func.: lgdogf

$$-\frac{2\,(6x^5-6x^4-48x^3-35x^2-17x-5)}{}$$

$$(x - 1) (6 x^5 - 14 x^4 - 10 x^3 - 8 x^2 - 3 x - 1)$$

Sequence: A006564
Score: 10.9655
Type of gen. func.: ogf

$$\frac{6 x^2 + 8 x + 1}{(x - 1)^4}$$

Sequence: A006564
Score: 21.2020
Type of gen. func.: lgdogf

$$- \frac{12 (x^2 + 3 x + 1)}{(x - 1) (6 x^2 + 8 x + 1)}$$

Sequence: A006564
Score: 3.74564
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (9 + 7 n) a(n + 3) + (-40 - 2 n) a(n + 2)$$

$$+ (-18 - 6 n) a(n + 1), a(0) = 1, a(1) = 12, a(2) = 48, a(3) = 124\}$$

Sequence: A006564
Score: 5.48274
Type of gen. func.: ogf

$$(88965 f(x) + 570419)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 6 x^2 + f(x) - 8 x - 1)$$

Sequence: A006565
Score: 5.35929
Type of gen. func.: ogf

$$x (10 x^4 + 49 x^3 + 53 x^2 + 7 x + 1)$$

```
                 - ------------------------------------
                                          7
                              (x - 1)


--------------------------------------------------------------------------------

Sequence:  A006565
Score: 9.17562
Type of gen. func.: lgdogf


                            4         3         2
                  2 (15 x  + 118 x  + 206 x  + 74 x + 7)
               - -----------------------------------------
                                 4        3        2
                 (x - 1) (10 x  + 49 x  + 53 x  + 7 x + 1)


--------------------------------------------------------------------------------

Sequence:  A006566
Score: 18.7027
Type of gen. func.: lgdogf


                                        2
                            4 (5 x  + 17 x + 5)
                       - ----------------------------
                                            2
                         (x - 1) (10 x  + 16 x + 1)


--------------------------------------------------------------------------------

Sequence:  A006566
Score: 3.66455
Type of gen. func.: ogf


{(n + 3) a(n + 4) + (10 + 15 n) a(n + 3) + (-74 - 6 n) a(n + 2)

     + (-20 - 10 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 20, a(3) = 84}


--------------------------------------------------------------------------------

Sequence:  A006566
Score: 5.07012
Type of gen. func.: ogf


-(3159 f(x) + 19553)

            4           3           2       3                  2
    (f(x) x  - 4 f(x) x  + 6 f(x) x  - 10 x  - 4 f(x) x - 16 x  + f(x) - x)


--------------------------------------------------------------------------------

Sequence:  A006566
Score: 9.86985
Type of gen. func.: ogf


                                        2
```

$$\frac{x\,(10\,x\ \ + 16\,x + 1)}{(x - 1)^4}$$

Sequence: A006571
Score: 7.87164
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4\,x^{10} - 2\,x^{9} - 2\,x^{8} - 2\,x^{7} - 2\,x^{6} - 2\,x^{5} - 2\,x^{4} - 2\,x^{3} - 2\,x^{2} - 2\,x - 2}{x^{11} - 1}$$

Sequence: A006578
Score: 14.9060
Type of gen. func.: ogf

$$-\frac{x\,(2\,x + 1)}{(x + 1)\,(x - 1)^3}$$

Sequence: A006578
Score: 23.2703
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^2 + 4\,x + 2)}{(x - 1)\,(2\,x + 1)\,(x + 1)}$$

Sequence: A006578
Score: 4.54354
Type of gen. func.: ogf

$\{(-3 - n)\,a(n + 4) - 2\,n\,a(n + 3) + (9 + n)\,a(n + 2) + (6 + 2\,n)\,a(n + 1),$

$a(0) = 0,\ a(1) = 1,\ a(2) = 4,\ a(3) = 8\}$

Sequence: A006578
Score: 7.65444
Type of gen. func.: ogf

$4 \qquad 3 \qquad\qquad 2$

$$(135 f(x) - 319) (f(x) x - 2 f(x) x + 2 f(x) x + 2 x - f(x) + x)$$

Sequence: A006584
Score: 27.8518
Type of gen. func.: lgdogf

$$-\frac{2 (3 x + 1)}{(x - 1) (x + 1)}$$

Sequence: A006584
Score: 29.1597
Type of gen. func.: ogf_with_Euler_transform]

$$[2 + 2 x]$$

Sequence: A006584
Score: 4.56632
Type of gen. func.: ogf

$\{-n a(n + 3) + 2 a(n + 2) + (n + 4) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0,$

$a(3) = 2\}$

Sequence: A006584
Score: 8.93410
Type of gen. func.: ogf

$$\frac{2 x^3}{(x + 1)^2 (x - 1)^4}$$

Sequence: A006587
Score: 4.29091
Type of gen. func.: ogf

$\{(54 n^2 + 162 n + 120) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2), a(0) = 3,$

$a(1) = 36\}$

Sequence: A006587
Score: 9.16364
Type of gen. func.: ogf

$$-108 f(x)^3 x + 4 f(x)^3 - 27 f(x) - 27$$

Sequence: A006587
Score: 9.32164
Type of gen. func.: ogf

$$3 \mathrm{hypergeom}([1/3, 2/3], [1/2], 27 x)$$

Sequence: A006588
Score: 12.0179
Type of gen. func.: ogf

$$-108 f(x)^3 x + 4 f(x)^3 - 3 f(x) - 1$$

Sequence: A006588
Score: 4.15889
Type of gen. func.: ogf

$$\{(54 n^2 + 162 n + 120) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2), a(0) = 1, a(1) = 12\}$$

Sequence: A006588
Score: 9.70407
Type of gen. func.: ogf

$$\mathrm{hypergeom}([1/3, 2/3], [1/2], 27 x)$$

Sequence: A006589
Score: 14.5711
Type of gen. func.: lgdogf

$$-\frac{12 x^2 - 18 x + 7}{(x - 1) (2 x - 1) (-2 + 3 x)}$$

Sequence: A006589
Score: 5.07738
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 8 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 2, a(2) = 7\}$$

Sequence: A006589
Score: 6.63045
Type of gen. func.: ogf

$$4 f(x) x^3 - 8 f(x) x^2 + 5 f(x) x - 3 x^2 - f(x) + 2 x$$

Sequence: A006589
Score: 9.88753
Type of gen. func.: ogf

$$\frac{x (-2 + 3 x)}{(x - 1) (2 x - 1)^2}$$

Sequence: A006592
Score: 11.3326
Type of gen. func.: ogf

$$\frac{4 x (4 x^2 + 10 x + 1)}{(x - 1)^4}$$

Sequence: A006592
Score: 22.0778
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^2 + 19 x + 7)}{(x - 1) (4 x^2 + 10 x + 1)}$$

Sequence: A006592
Score: 4.27109
Type of gen. func.: ogf

$$\{(n + 3)\, a(n + 4) + (4 + 9 n)\, a(n + 3) + (-44 - 6 n)\, a(n + 2) + (-4 n - 8)\, a(n + 1),\ a(0) = 0,\ a(1) = 4,\ a(2) = 56,\ a(3) = 216\}$$

Sequence: A006592
Score: 5.70434
Type of gen. func.: ogf

$$-(82625 f(x) + 1233758)\,(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 16 x^3 - 4 f(x) x - 40 x^2 + f(x) - 4 x)$$

Sequence: A006595
Score: 11.0301
Type of gen. func.: egf]

$$-\frac{x^2 - 2 x + 2}{2 (x - 1)^3}$$

Sequence: A006595
Score: 17.0778
Type of gen. func.: lgdegf]

$$-\frac{x^2 - 2 x + 4}{(x - 1)(x^2 - 2 x + 2)}$$

Sequence: A006595
Score: 6.0075
Type of gen. func.: egf]

$$(7 + 38 f(x))\,(2 f(x) x^3 - 6 f(x) x^2 + 6 f(x) x + x^2 - 2 f(x) - 2 x + 2)$$

Sequence: A006597
Score: 10.7675

Type of gen. func.: ogf

$$\frac{x\,(4\,x^{2} + 10\,x + 1)}{(x - 1)^{4}}$$

Sequence: A006597
Score: 20.6771
Type of gen. func.: lgdogf

$$-\frac{2\,(4\,x^{2} + 19\,x + 7)}{(x - 1)\,(4\,x^{2} + 10\,x + 1)}$$

Sequence: A006597
Score: 4.02423
Type of gen. func.: ogf

$$\{(n + 3)\,a(n + 4) + (4 + 9\,n)\,a(n + 3) + (-44 - 6\,n)\,a(n + 2) + (-4\,n - 8)\,a(n + 1),\ a(0) = 0,\ a(1) = 1,\ a(2) = 14,\ a(3) = 54\}$$

Sequence: A006597
Score: 5.38377
Type of gen. func.: ogf

$$-(165250\,f(x) + 616879)\,(f(x)\,x^{4} - 4\,f(x)\,x^{3} + 6\,f(x)\,x^{2} - 4\,x^{3} - 4\,f(x)\,x - 10\,x^{2} + f(x) - x)$$

Sequence: A006603
Score: 5.74975
Type of gen. func.: ogf

$$-f(x)^{2}\,x^{4} - f(x)^{2}\,x^{3} + f(x)^{2}\,x^{2} - f(x)^{2}\,x - 2\,f(x)\,x^{2} - f(x)\,x + f(x) - 1$$

Sequence: A006604
Score: 5.55318
Type of gen. func.: ogf

$$-f(x)^{2} x^{4} + f(x)^{2} x^{3} + f(x)^{2} x^{2} - 2 f(x)^{2} x - 2 f(x) x^{2} + f(x) x + f(x) - 1$$

Sequence: A006605
Score: 19.9392
Type of gen. func.: revogf

$$\frac{(-x + 1 + (-(x + 1) (3 x - 1))^{1/2}) x}{2}$$

Sequence: A006629
Score: 23.3413
Type of gen. func.: revogf

$$\frac{16 x}{(1 + (1 + 4 x)^{1/2})^{4}}$$

Sequence: A006629
Score: 3.86736
Type of gen. func.: ogf

$$\{(27 n^{3} + 216 n^{2} + 573 n + 504) a(n + 1)$$

$$+ (-4 n^{3} - 38 n^{2} - 116 n - 112) a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A006629
Score: 7.43338
Type of gen. func.: ogf

$$-f(x)^{3} x^{4} + 2 f(x)^{2} x^{2} + 4 f(x) x - f(x) + 1$$

Sequence: A006630
Score: 4.93628
Type of gen. func.: ogf

$$\{(27 n^{3} + 270 n^{2} + 897 n + 990) a(n + 1)$$

$$+ (-4 n^3 - 46 n^2 - 166 n - 180) a(n + 2), a(0) = 1, a(1) = 6\}$$

Sequence: A006630
Score: 8.99304
Type of gen. func.: lgdogf

$$216 + (-36 + 324 x) f(x) + (162 x^2 - 24 x) f(x)^2 + (27 x^3 - 4 x^2) f(x)^3$$

Sequence: A006631
Score: 11.3360
Type of gen. func.: lgdogf

$$512 + (-64 + 576 x) f(x) + (216 x^2 - 32 x) f(x)^2 + (27 x^3 - 4 x^2) f(x)^3$$

Sequence: A006631
Score: 4.99588
Type of gen. func.: ogf

$$\{(27 n^3 + 324 n^2 + 1293 n + 1716) a(n + 1)$$

$$+ (-4 n^3 - 54 n^2 - 224 n - 264) a(n + 2), a(0) = 1, a(1) = 8\}$$

Sequence: A006632
Score: 4.57634
Type of gen. func.: ogf

$$\{(256 n^3 + 1664 n^2 + 3568 n + 2520) a(n + 1)$$

$$+ (-27 n^3 - 216 n^2 - 573 n - 504) a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A006632
Score: 69.2393
Type of gen. func.: revogf

$$-x (x - 1)^3$$

Sequence: A006634
Score: 4.23524
Type of gen. func.: ogf

$$\{(-256 n^4 - 3712 n^3 - 20144 n^2 - 48488 n - 43680) a(n + 1) + (27 n^4 + 432 n^3 + 2517 n^2 + 6252 n + 5460) a(n + 2), a(0) = 1, a(1) = 9\}$$

Sequence: A006635
Score: 3.55231
Type of gen. func.: ogf

$$\{(-256 n^4 - 4480 n^3 - 29360 n^2 - 85400 n - 93024) a(n + 1) + (27 n^4 + 513 n^3 + 3516 n^2 + 10092 n + 9792) a(n + 2), a(0) = 1, a(1) = 12\}$$

Sequence: A006636
Score: 4.95643
Type of gen. func.: ogf

$$\{(6 + 2 n) a(n + 3) + (-15 - 3 n) a(n + 2) + (n + 4) a(n + 1), a(0) = 8, a(1) = 36, a(2) = 102\}$$

Sequence: A006636
Score: 7.86897
Type of gen. func.: ogf

$$-\frac{(x - 2)^3}{(x - 1)^6}$$

Sequence: A006637
Score: 4.47642
Type of gen. func.: ogf

$$\{(6 + 2 n) a(n + 3) + (-18 - 3 n) a(n + 2) + (5 + n) a(n + 1), a(0) = 16, a(1) = 96, a(2) = 344\}$$

Sequence: A006637
Score: 5.55076
Type of gen. func.: ogf

$$\frac{(x-2)^4}{(x-1)^8}$$

Sequence: A006645
Score: 14.1564
Type of gen. func.: ogf

$$\frac{x^2}{(x^2+2x-1)^2}$$

Sequence: A006645
Score: 34.3465
Type of gen. func.: lgdogf

$$-\frac{4(x+1)}{x^2+2x-1}$$

Sequence: A006645
Score: 4.68692
Type of gen. func.: ogf

$\{(-1-n)\,a(n+3)+(4+2n)\,a(n+2)+(n+3)\,a(n+1),\ a(0)=0,\ a(1)=0,$

$a(2)=1\}$

Sequence: A006645
Score: 8.08201
Type of gen. func.: ogf

$$f(x)\,x^4+4\,f(x)\,x^3+2\,f(x)\,x^2-4\,f(x)\,x-x^2+f(x)$$

Sequence: A006646
Score: 11.9520
Type of gen. func.: ogf

$$\frac{2 x^2}{(2 x - 1) (4 x^2 + 4 x - 1)}$$

Sequence: A006646
Score: 13.2915
Type of gen. func.: lgdogf

$$- \frac{2 (12 x^2 + 4 x - 3)}{(2 x - 1) (4 x^2 + 4 x - 1)}$$

Sequence: A006646
Score: 4.88946
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 4 a(n + 1) - 8 a(n), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A006646
Score: 6.64002
Type of gen. func.: ogf

$$8 f(x) x^3 + 4 f(x) x^2 - 6 f(x) x - 2 x^2 + f(x)$$

Sequence: A006659
Score: 4.63656
Type of gen. func.: ogf

$$\{(-4 n^2 - 30 n - 56) a(n + 1) + (n^2 + 8 n + 12) a(n + 2), a(0) = 2, a(1) = 12\}$$

Sequence: A006668
Score: 12.8207
Type of gen. func.: ogf

$$\frac{x^2}{(2x-1)(4x^2+4x-1)}$$

Sequence: A006668
Score: 14.2665
Type of gen. func.: lgdogf

$$-\frac{2(12x^2+4x-3)}{(2x-1)(4x^2+4x-1)}$$

Sequence: A006668
Score: 5.24482
Type of gen. func.: ogf

$$\{-a(n+3)+6a(n+2)-4a(n+1)-8a(n), a(0)=0, a(1)=0, a(2)=1\}$$

Sequence: A006668
Score: 7.1226
Type of gen. func.: ogf

$$8f(x)x^3+4f(x)x^2-6f(x)x-x^2+f(x)$$

Sequence: A006673
Score: 11.6975
Type of gen. func.: revegf]

$$-n a(n)+(2n+2)a(n+1)+(n+2)a(n+2), a(0)=0, a(1)=1$$

Sequence: A006678
Score: 13.3959
Type of gen. func.: egf]

$$-f(x)^2 x-f(x)^2+2f(x)-2x$$

Sequence: A006678
Score: 4.52009
Type of gen. func.: egf]

$$\{-2 n a(n) + (-4 n - 3) a(n + 1) - n a(n + 2) + (n + 3) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 1/2\}$$

Sequence: A006678
Score: 45.4775
Type of gen. func.: revegf]

$$-\frac{x (x - 2)}{x^2 + 2}$$

Sequence: A006679
Score: 15.7113
Type of gen. func.: revegf]

$$-\ln(x^2 + 2) + \ln(x + 1) + \ln(2)$$

Sequence: A006684
Score: 17.3287
Type of gen. func.: ogf

$$\frac{x^2}{(x^2 + x - 1) (x^2 + 2 x - 1)}$$

Sequence: A006684
Score: 19.8169
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 9 x^2 - 3}{(x^2 + x - 1) (x^2 + 2 x - 1)}$$

Sequence: A006684

Score: 6.39174
Type of gen. func.: ogf

$$\{-a(n + 4) + 3 a(n + 3) - 3 a(n + 1) - a(n), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 3\}$$

Sequence: A006684
Score: 9.62704
Type of gen. func.: ogf

$$f(x) x^4 + 3 f(x) x^3 - 3 f(x) x - x^2 + f(x)$$

Sequence: A006708
Score: 12.6557
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^4 + 8 x^3 + 6 x^2 + 8 x + 1}{-x^6 + 1}$$

Sequence: A006709
Score: 10.8875
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^4 - 4 x^3 - 12 x^2 - 4 x - 2}{x^6 - 1}$$

Sequence: A006847
Score: 16.9316
Type of gen. func.: lgdegf]

$$(-2 x^3 - x^2 + 2 x + 2) f(x) + (2 x^2 - 2) f(x)^2$$

Sequence: A006847
Score: 3.38141
Type of gen. func.: egf]

$\{(-2 n - 10) a(5 + n) + 2 a(n + 4) + (8 + 2 n) a(n + 3) - a(n + 2) - 2 a(n + 1)$

$, a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 5/6, a(4) = 7/12\}$

Sequence: A006848
Score: 10.1515
Type of gen. func.: lgdegf]

$$\frac{x^5 + x^4 - 2 x^3 - 2 x^2 + x + 2}{(x - 1)^2 (x + 1)^2}$$

Sequence: A006857
Score: 15.6597
Type of gen. func.: lgdogf

$$- \frac{3 (2 x^3 + 15 x^2 + 20 x + 5)}{(x - 1) (x + 1) (x^2 + 5 x + 1)}$$

Sequence: A006857
Score: 6.12216
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^2 + 5 x + 1)}{(x - 1)^9}$$

Sequence: A006857
Score: 6.22171
Type of gen. func.: ogf

$$\{(-n^2 - 13 n - 42) a(n + 1) + (n^2 + 5 n + 6) a(n + 2), a(0) = 1, a(1) = 15\}$$

Sequence: A006858
Score: 14.4514
Type of gen. func.: lgdogf

3 2

$$-\frac{2\ (2\ x\ \ +\ 19\ x\ \ +\ 28\ x + 7)}{(x - 1)\ (x + 1)\ (x^2 + 6\ x + 1)}$$

Sequence: A006858
Score: 3.93278
Type of gen. func.: ogf

$$\{(-2\ n^2 - 15\ n - 28)\ a(n + 1) + (4\ n^2 + 24\ n + 62)\ a(n + 2)$$

$$+ (-2\ n^2 - 9\ n - 10)\ a(n + 3),\ a(0) = 0,\ a(1) = 1,\ a(2) = 14\}$$

Sequence: A006858
Score: 6.45842
Type of gen. func.: ogf

$$-\frac{x\ (x + 1)\ (x^2 + 6\ x + 1)}{(x - 1)^7}$$

Sequence: A006859
Score: 10.0832
Type of gen. func.: lgdogf

$$-\frac{5\ (x^5 + 25\ x^4 + 121\ x^3 + 165\ x^2 + 66\ x + 6)}{(x - 1)\ (x + 1)\ (x^4 + 19\ x^3 + 56\ x^2 + 19\ x + 1)}$$

Sequence: A006859
Score: 4.93582
Type of gen. func.: ogf

$$\frac{(x + 1)\ (x^4 + 19\ x^3 + 56\ x^2 + 19\ x + 1)}{(x - 1)^{10}}$$

Sequence: A006864
Score: 13.2564

Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^3 - 3\,x^2 + 2\,x + 1)}{x^4 - 2\,x^3 + 2\,x^2 + 2\,x - 1}$$

Sequence: A006864
Score: 15.6982
Type of gen. func.: ogf

$$-\frac{x}{x^4 - 2\,x^3 + 2\,x^2 + 2\,x - 1}$$

Sequence: A006864
Score: 6.35713
Type of gen. func.: ogf

$$-(2\,f(x) + 1)\,(f(x)\,x^4 - 2\,f(x)\,x^3 + 2\,f(x)\,x^2 + 2\,f(x)\,x - f(x) + x)$$

Sequence: A006865
Score: 15.1740
Type of gen. func.: ogf

$$-\frac{3\,x + 1}{2\,x^3 + 11\,x - 1}$$

Sequence: A006865
Score: 16.7322
Type of gen. func.: lgdogf

$$-\frac{2\,(6\,x^3 + 3\,x^2 + 7)}{(3\,x + 1)\,(2\,x^3 + 11\,x - 1)}$$

Sequence: A006865
Score: 7.12250
Type of gen. func.: ogf

$$\{a(n + 3) - 11 a(n + 2) - 2 a(n), a(0) = 1, a(1) = 14, a(2) = 154\}$$

Sequence: A006865
Score: 7.84276
Type of gen. func.: ogf

$$(523 f(x) + 65) (2 f(x) x^3 + 11 f(x) x - f(x) + 3 x + 1)$$

Sequence: A006904
Score: 11.5870
Type of gen. func.: lgdogf

$$- \frac{2 x^3 + 2 x^2 + 7 x + 1}{(2 x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A006904
Score: 5.44954
Type of gen. func.: ogf

$$(283 f(x) + 69) (2 f(x) x^3 + 3 f(x) x^2 + x^2 - f(x) + x + 1)$$

Sequence: A006904
Score: 5.56548
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 1, a(2) = 4\}$$

Sequence: A006904
Score: 9.17816
Type of gen. func.: ogf

$$- \frac{x^2 + x + 1}{(2 x - 1) (x + 1)^2}$$

Sequence: A006918
Score: 13.1810
Type of gen. func.: ogf

$$\frac{x}{(x+1)^2 (x-1)^4}$$

Sequence: A006918
Score: 40.7964
Type of gen. func.: lgdogf

$$-\frac{2(3x+1)}{(x-1)(x+1)}$$

Sequence: A006918
Score: 43.1060
Type of gen. func.: ogf_with_Euler_transform]

[2 + 2 x]

Sequence: A006918
Score: 6.83825
Type of gen. func.: ogf

{(-2 - n) a(n + 3) + 2 a(n + 2) + (6 + n) a(n + 1), a(0) = 0, a(1) = 1,

a(2) = 2}

Sequence: A006922
Score: 28.8893
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{24}{-x+1}$$

Sequence: A006950
Score: 15.3528
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^3 - x^2 - 1}{-x^4 + 1}$$

Sequence: A006963
Score: 6.56610
Type of gen. func.: ogf

$$\{(4 n^2 + 2 n) a(n) + (-1 - n) a(n + 1), a(0) = 1, a(1) = 1\}$$

Sequence: A006974
Score: 29.4646
Type of gen. func.: lgdogf

$$-\frac{-9 + 8 x}{(2 x - 1) (x - 1)}$$

Sequence: A006974
Score: 4.51449
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-15 - 3 n) a(n + 2) + (10 + 2 n) a(n + 1), a(0) = 1, a(1) = 9, a(2) = 50\}$$

Sequence: A006974
Score: 9.33401
Type of gen. func.: ogf

$$\frac{x - 1}{(2 x - 1)^5}$$

Sequence: A006975
Score: 24.7888
Type of gen. func.: lgdogf

$$-\frac{-11 + 10 x}{(2 x - 1) (x - 1)}$$

Sequence: A006975
Score: 4.10670
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-17 - 3 n) a(n + 2) + (12 + 2 n) a(n + 1), a(0) = 1, a(1) = 11, a(2) = 72\}$$

Sequence: A006975
Score: 7.35386
Type of gen. func.: ogf

$$-\frac{x - 1}{(2 x - 1)^{6}}$$

Sequence: A006976
Score: 24.0806
Type of gen. func.: lgdogf

$$-\frac{-13 + 12 x}{(2 x - 1) (x - 1)}$$

Sequence: A006976
Score: 3.99062
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-19 - 3 n) a(n + 2) + (14 + 2 n) a(n + 1), a(0) = 1, a(1) = 13, a(2) = 98\}$$

Sequence: A006976
Score: 6.33563
Type of gen. func.: ogf

$$\frac{x - 1}{(2 x - 1)^{7}}$$

Sequence: A006977
Score: 8.52520
Type of gen. func.: ogf

$$-\frac{4x^5-2x^4-3x^3-x^2-3x-1}{(x-1)(2x+1)(2x-1)(x+1)(x^2+1)}$$

Sequence: A006979
Score: 8.02950
Type of gen. func.: lgdogf

$$-\frac{9x^8+16x^7+21x^6+24x^5+15x^4+4x^3-2x-2}{(x^4+x^3+x^2+x-1)(x^5+x^4+x^3+x^2+x-1)}$$

Sequence: A006979
Score: 8.77864
Type of gen. func.: ogf

$$\frac{x^5}{(x^4+x^3+x^2+x-1)(x^5+x^4+x^3+x^2+x-1)}$$

Sequence: A006980
Score: 5.77903
Type of gen. func.: lgdogf

$$-\frac{11x^{10}+20x^9+27x^8+32x^7+35x^6+24x^5+10x^4+4x^3-2x-2}{(x^5+x^4+x^3+x^2+x-1)(x^6+x^5+x^4+x^3+x^2+x-1)}$$

Sequence: A006980
Score: 6.73369
Type of gen. func.: ogf

$$\frac{1}{(x^5+x^4+x^3+x^2+x-1)(x^6+x^5+x^4+x^3+x^2+x-1)}$$

Sequence: A007004
Score: 13.7800
Type of gen. func.: ogf

$$\mathrm{hypergeom}([1/3, 2/3], [2], 27 x)$$

Sequence: A007004
Score: 5.60162
Type of gen. func.: ogf

$$\{(-27 n^2 - 81 n - 60) a(n + 1) + (n^2 + 5 n + 6) a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A007007
Score: 4.7549
Type of gen. func.: ogf

$$-2 f(x)^2 x^4 + f(x)^2 x^3 - 4 f(x) x^4 + 2 f(x) x^3 - 2 x^4 - 2 f(x) x^2 + x^3 - f(x) x - 2 x^2 + f(x) - x$$

Sequence: A007009
Score: 16.9860
Type of gen. func.: lgdogf

$$-\frac{5 x^3 + 9 x^2 + 12 x + 4}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A007009
Score: 32.0852
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + 2 x + 4$$

Sequence: A007009
Score: 8.68104
Type of gen. func.: ogf

$$-\frac{x^2 + x + 1}{(x + 1)^2 (x - 1)^5}$$

Sequence: A007010
Score: 4.71412
Type of gen. func.: ogf

$$-\frac{x^6 + 6 x^5 + 21 x^4 + 28 x^3 + 21 x^2 + 6 x + 1}{(x + 1)^3 (x - 1)^9}$$

Sequence: A007019
Score: 7.59418
Type of gen. func.: ogf

$$\{(2 n^2 + 9 n + 10) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A007039
Score: 10.4201
Type of gen. func.: lgdogf

$$-\frac{2 x^6 - x^4 - 4 x^3 + 7 x^2 - 2 x + 1}{(x + 1) (x^2 - x + 1) (x^2 + x - 1) (2 x^2 - 2 x + 1)}$$

Sequence: A007039
Score: 13.5131
Type of gen. func.: ogf

$$-\frac{2 (x + 1) (2 x^2 - 2 x + 1)}{(x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A007039
Score: 6.9856

```
Type of gen. func.: ogf


                            4         2      3
    -(15 f(x) + 112) (f(x) x  - f(x) x  + 4 x  + 2 f(x) x - f(x) - 2 x + 2)



------------------------------------------------------------------------------

Sequence:  A007040
Score: 10.1897
Type of gen. func.: ogf


                                 4      2
                             2 (x  - 2 x  - x - 1)
                           -------------------------
                             2             2
                           (x  + x + 1) (x  + x - 1)



------------------------------------------------------------------------------

Sequence:  A007040
Score: 5.90356
Type of gen. func.: ogf


                        4            3      4         2      2
-(75 f(x) - 164) (f(x) x  + 2 f(x) x  - 2 x  + f(x) x  + 4 x  - f(x) + 2 x + 2)



------------------------------------------------------------------------------

Sequence:  A007040
Score: 9.99186
Type of gen. func.: lgdogf


                     6      5      4      3      2
                  2 x  + 6 x  + 7 x  + 4 x  + 7 x  + 6 x + 1
                 ---------------------------------------------
                   2            4      2            2
                 (x  + x + 1) (x  - 2 x  - x - 1) (x  + x - 1)



------------------------------------------------------------------------------

Sequence:  A007051
Score: 17.4351
Type of gen. func.: ogf


                                     2 x - 1
                              - -----------------
                                (x - 1) (3 x - 1)



------------------------------------------------------------------------------

Sequence:  A007051
Score: 20.2924
Type of gen. func.: lgdogf


                                     2
```

$$-\frac{2 (3 x - 3 x + 1)}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A007051
Score: 8.8155
Type of gen. func.: ogf

$$-(f(x) + 1) (3 f(x) x^{2} - 4 f(x) x + f(x) + 2 x - 1)$$

Sequence: A007051
Score: 9.56806
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A007052
Score: 13.1359
Type of gen. func.: ogf

$$-\frac{x - 1}{2 x^{2} - 4 x + 1}$$

Sequence: A007052
Score: 14.1074
Type of gen. func.: revogf

$$-\frac{-1 - 4 x + (8 x^{2} + 4 x + 1)^{1/2}}{2 (2 x + 1)}$$

Sequence: A007052
Score: 17.0119
Type of gen. func.: lgdogf

$$-\frac{2 x^{2} - 4 x + 3}{(x - 1) (2 x^{2} - 4 x + 1)}$$

Sequence: A007052
Score: 7.20874
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A007052
Score: 7.67686
Type of gen. func.: ogf

$$f(x) (2 f(x) x^2 - 4 f(x) x + f(x) + x - 1)$$

Sequence: A007054
Score: 11.996
Type of gen. func.: ogf

$$f(x)^2 x^2 - 6 f(x) x + f(x) + 16 x - 3$$

Sequence: A007054
Score: 13.6041
Type of gen. func.: revogf

$$3/32 + \frac{3 x}{16} - \frac{x^2}{32} - \frac{((x - 9) (x - 1)^3)^{1/2}}{32}$$

Sequence: A007054
Score: 7.38215
Type of gen. func.: ogf

$$\{(-4 n - 6) a(n + 1) + (n + 4) a(n + 2), a(0) = 3, a(1) = 2\}$$

Sequence: A007068
Score: 12.2071
Type of gen. func.: ogf

$$- \frac{(x + 1) (2 x^2 - 2 x - 1)}{}$$

$$2 x^4 - 4 x^2 + 1$$

Sequence: A007068
Score: 7.02833
Type of gen. func.: ogf

$$-(34 f(x) + 45) (2 f(x) x^4 - 4 f(x) x^2 + 2 x^3 + f(x) - 3 x - 1)$$

Sequence: A007068
Score: 9.88144
Type of gen. func.: lgdogf

$$- \frac{4 x^6 - 10 x^4 - 8 x^3 + 6 x^2 + 8 x + 3}{(x + 1) (2 x^2 - 2 x - 1) (2 x^4 - 4 x^2 + 1)}$$

Sequence: A007070
Score: 15.3191
Type of gen. func.: revogf

$$- \frac{-1 - 4 x + (8 x^2 + 8 x + 1)^{1/2}}{4 x}$$

Sequence: A007070
Score: 16.6276
Type of gen. func.: ogf

$$\frac{1}{2 x^2 - 4 x + 1}$$

Sequence: A007070
Score: 24.3713
Type of gen. func.: lgdogf

$$- \frac{4 (x - 1)}{2 x^2 - 4 x + 1}$$

Sequence: A007070
Score: 6.61098
Type of gen. func.: ogf

$$(41 f(x) + 23) (2 f(x) x^2 - 4 f(x) x + f(x) - 1)$$

Sequence: A007070
Score: 6.69160
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A007086
Score: 5.56525
Type of gen. func.: ogf

$$- (22 x^{17} - 21 x^{16} + x^{15} - 2 x^{12} - 7 x^{11} - 15 x^8 + 2 x^7 + 2 x^6 - 2 x^4 - 2 x^3 - x^2 - x - 1) / ((x^2 + x + 1) (x - 1)^2)$$

Sequence: A007090
Score: 4.52224
Type of gen. func.: ogf

$$x (67 x^{15} + x^{14} + x^{13} + x^{12} + 7 x^{11} + x^{10} + x^9 + x^8 + 7 x^7 + x^6 + x^5 + x^4 + 7 x^3 + x^2 + x + 1) / ((x + 1) (x^2 + 1) (x^4 + 1) (x^8 + 1) (x - 1)^2)$$

Sequence: A007095
Score: 7.29161
Type of gen. func.: ogf

$$\frac{x (2 x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A007096
Score: 15.3280
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4 x^{2} + 2 x - 4}{-x^{4} + 1}$$

Sequence: A007102
Score: 6.03684
Type of gen. func.: ogf

$$(f(x) - 1)^{2} (35 x^{4} + 420 f(x) x - f(x) - 420 x + 1)$$

Sequence: A007109
Score: 6.10231
Type of gen. func.: ogf

$$(f(x) - 1)^{2} (96 x^{5} + 95 f(x) x - 4 f(x) - 95 x + 4)$$

Sequence: A007113
Score: 24.8428
Type of gen. func.: lgdegf]

$$\frac{\ln(x + 1) x + \ln(x + 1) + x}{x + 1}$$

Sequence: A007114
Score: 8.29983
Type of gen. func.: lgdegf]

$$n^{2} a(n) + (-3 n^{2} - 6 n - 3) a(n + 1) + (2 n^{2} + 6 n + 4) a(n + 2),\ a(0) = 0,$$
$$a(1) = -2$$

Sequence: A007120

Score: 8.60020
Type of gen. func.: lgdegf]

$$-n^2 a(n) + (4 n^2 + 9 n + 5) a(n + 1) + (-3 n^2 - 9 n - 6) a(n + 2), a(0) = -1, a(1) = -3$$

Sequence: A007123
Score: 198.744
Type of gen. func.: lgdegf]

$$x + 1$$

Sequence: A007151
Score: 15.1892
Type of gen. func.: revegf]

$$\frac{(\exp(-x) + 2 \exp(-x) x - 1) \exp(x)}{x + 1}$$

Sequence: A007165
Score: 21.9455
Type of gen. func.: revogf

$$-\frac{x (x^2 - 2 x - 1)}{(x + 1) (2 x + 1)}$$

Sequence: A007165
Score: 6.84093
Type of gen. func.: ogf

$$f(x)^3 x^2 + 2 f(x)^2 x^2 - 2 f(x)^2 x + 3 f(x) x - f(x) + 1$$

Sequence: A007179
Score: 10.2036
Type of gen. func.: ogf

$$-\frac{x (x - 1)}{2}$$

$$(2 x - 1) (2 x - 1)$$

Sequence: A007179
Score: 12.6978
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 14 x^2 + 4 x + 1}{(x - 1) (2 x - 1) (2 x^2 - 1)}$$

Sequence: A007179
Score: 5.23968
Type of gen. func.: ogf

$$-(f(x) + 1) (4 f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + x^2 + f(x) - x)$$

Sequence: A007179
Score: 5.23968
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - 4 a(n), a(0) = 0, a(1) = 1, a(2) = 1\}$$

Sequence: A007191
Score: 18.9775
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{24}{x^2 - 1}$$

Sequence: A007202
Score: 7.42833
Type of gen. func.: ogf

$$\frac{x^4 + 10 x^3 + 20 x^2 + 10 x + 1}{(x + 1) (x - 1)^4}$$

Sequence: A007202
Score: 9.31715
Type of gen. func.: lgdogf

$$-\frac{x^5 + 23 x^4 + 94 x^3 + 130 x^2 + 75 x + 13}{(x - 1) (x + 1) (x^4 + 10 x^3 + 20 x^2 + 10 x + 1)}$$

Sequence: A007204
Score: 12.4262
Type of gen. func.: lgdogf

$$-\frac{x^4 + 44 x^3 + 222 x^2 + 188 x + 25}{(x - 1) (x^4 + 20 x^3 + 54 x^2 + 20 x + 1)}$$

Sequence: A007204
Score: 8.13221
Type of gen. func.: ogf

$$-\frac{x^4 + 20 x^3 + 54 x^2 + 20 x + 1}{(x - 1)^5}$$

Sequence: A007226
Score: 30.2147
Type of gen. func.: revogf

$$(-1 + (-x + 1)^{1/2}) (x - 1)$$

Sequence: A007226
Score: 5.41813
Type of gen. func.: ogf

$$\{(27 n^2 + 81 n + 60) a(n + 1) + (-4 n^2 - 18 n - 18) a(n + 2), a(0) = 2, a(1) = 3\}$$

Sequence: A007226
Score: 8.36132
Type of gen. func.: ogf

$$-f(x)^3 x^2 + 2 f(x)^2 x - 2 f(x) x - f(x) - x + 2$$

Sequence: A007228
Score: 33.7071
Type of gen. func.: revogf

$$(x - 1) ((-x + 1)^{(1/3)} - 1)$$

Sequence: A007228
Score: 4.70727
Type of gen. func.: ogf

$$\{(256 n^3 + 1152 n^2 + 1712 n + 840) a(n + 1)$$

$$+ (-27 n^3 - 162 n^2 - 303 n - 180) a(n + 2), a(0) = 3, a(1) = 6\}$$

Sequence: A007249
Score: 18.7768
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{12}{x^2 - 1}$$

Sequence: A007259
Score: 25.8018
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{8}{x^2 - 1}$$

Sequence: A007262
Score: 32.0917

Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-6 x - 6}{x^3 - 1}$$

Sequence: A007272
Score: 7.74178
Type of gen. func.: ogf

$$\{(-4 n - 6) a(n + 1) + (5 + n) a(n + 2), a(0) = 10, a(1) = 5\}$$

Sequence: A007272
Score: 8.5567
Type of gen. func.: ogf

$$-f(x)^2 x^3 + 30 f(x) x^2 - 10 f(x) x - 256 x^2 + f(x) + 95 x - 10$$

Sequence: A007275
Score: 8.43668
Type of gen. func.: ogf

$$(6 f(x) x - f(x) + 1)^3$$

Sequence: A007283
Score: 15.2636
Type of gen. func.: ogf

$$\{a(n + 1) - 2 a(n), a(0) = 3\}$$

Sequence: A007283
Score: 19.3587
Type of gen. func.: ogf

$$-2 f(x) x + f(x) - 3$$

Sequence: A007283
Score: 31.7483

Type of gen. func.: ogf

$$-\frac{3}{2x-1}$$

Sequence: A007283
Score: 32.4884
Type of gen. func.: revegf]

$$-1/2 \ln(3) + 1/2 \ln(3 + 2 x)$$

Sequence: A007283
Score: 77.9722
Type of gen. func.: lgdogf

$$-\frac{2}{2x-1}$$

Sequence: A007290
Score: 13.9093
Type of gen. func.: ogf

$$\frac{2x^3}{(x-1)^4}$$

Sequence: A007290
Score: 5.89756
Type of gen. func.: ogf

{(-1 + n) a(n + 2) + (-2 - n) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 2}

Sequence: A007290
Score: 9.69056
Type of gen. func.: ogf

$$-f(x) x^4 + 4 f(x) x^3 - 6 f(x) x^2 + 2 x^3 + 4 f(x) x - f(x)$$

Sequence: A007290
Score: 91.6792
Type of gen. func.: lgdogf

$$-\frac{4}{x-1}$$

Sequence: A007291
Score: 15.1960
Type of gen. func.: lgdogf

$$-\frac{27 x^2 + 130 x + 63}{(x-1)(9 x^2 + 28 x + 7)}$$

Sequence: A007291
Score: 7.57642
Type of gen. func.: ogf

$$-\frac{9 x^2 + 28 x + 7}{(x-1)^5}$$

Sequence: A007297
Score: 11.1263
Type of gen. func.: ogf

$$-2 + 3 f(x) - f(x)^2 - f(x)^3 x$$

Sequence: A007297
Score: 36.5105
Type of gen. func.: revogf

$$-\frac{x (x-1)}{(x+1)^3}$$

Sequence: A007297
Score: 8.00229
Type of gen. func.: lgdogf

$$(-108 n^2 - 648 n - 924) a(n + 1) + (n^2 + 7 n + 12) a(n + 3), a(0) = 4,$$
$$a(1) = 30, a(2) = 256$$

Sequence: A007307
Score: 15.2657
Type of gen. func.: ogf

$$- \frac{x (2 x + 1)}{x^3 + x^2 - 1}$$

Sequence: A007307
Score: 16.0791
Type of gen. func.: lgdogf

$$- \frac{4 x^3 + 5 x^2 + 2 x + 2}{(2 x + 1) (x^3 + x^2 - 1)}$$

Sequence: A007307
Score: 8.6998
Type of gen. func.: ogf

$$-(5 f(x) + 6) (f(x) x^3 + f(x) x^2 + 2 x^2 - f(x) + x)$$

Sequence: A007307
Score: 8.69980
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A007309
Score: 11.8414
Type of gen. func.: ogf

$$-\frac{x(1+4x)}{x^3+x^2-1}$$

Sequence: A007309
Score: 15.4113
Type of gen. func.: lgdogf

$$-\frac{8x^3+7x^2+2x+4}{(1+4x)(x^3+x^2-1)}$$

Sequence: A007309
Score: 6.74831
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+1)+a(n), a(0)=0, a(1)=1, a(2)=4\}$$

Sequence: A007309
Score: 6.74832
Type of gen. func.: ogf

$$(172 f(x)+465)(f(x) x^3+f(x) x^2+4 x^2-f(x)+x)$$

Sequence: A007310
Score: 10.7100
Type of gen. func.: ogf

$$\frac{x^2+4x+1}{(x+1)(x-1)^2}$$

Sequence: A007310
Score: 15.1824
Type of gen. func.: lgdogf

$$-\frac{x^3+9x^2+9x+5}{\qquad{}^2}$$

$$(x - 1) (x + 1) (x + 4 x + 1)$$

Sequence: A007310
Score: 5.83310
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 5, a(2) = 7\}$$

Sequence: A007310
Score: 7.39054
Type of gen. func.: ogf

$$(8 f(x) + 19) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - 4 x - 1)$$

Sequence: A007312
Score: 6.79876
Type of gen. func.: revogf

$$- \frac{x (x^{12} + 2 x^{11} - 3 x^9 - 3 x^8 - 3 x^7 + 3 x^6 + 2 x^5 + 3 x^4 - x^2 - x - 1)}{(x - 1) (x^4 + x^3 - 1) (x^8 + 3 x^7 - x^5 - 2 x^4 - x^3 + 1)}$$

Sequence: A007317
Score: 4.86572
Type of gen. func.: ogf

$$\{(-5 n - 10) a(n + 1) + (6 n + 16) a(n + 2) + (-n - 4) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A007317
Score: 42.7386
Type of gen. func.: revogf

$$\frac{x (x - 1)}{x^2 - x - 1}$$

Sequence: A007317
Score: 7.72932
Type of gen. func.: lgdogf

$$-\frac{x - 1 + 2 x (x - 1)^{1/2} (5 x - 1)^{1/2} - (x - 1)^{1/2} (5 x - 1)^{1/2}}{2 x (x - 1)^{3/2} (5 x - 1)^{1/2}}$$

Sequence: A007317
Score: 9.60504
Type of gen. func.: ogf

$$f(x)^2 x^2 - f(x)^2 x - f(x) x + f(x) - 1$$

Sequence: A007325
Score: 10.5323
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^2 - 1}{-x^4 - x^3 - x^2 - x - 1}$$

Sequence: A007331
Score: 30.6915
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{8}{-x - 1}$$

Sequence: A007332
Score: 14.5488
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-12 x^2 - 6 x - 6}{x^3 - 1}$$

Sequence: A007344

Score: 5.65890
Type of gen. func.: ogf

$$\frac{2 x^4 + 3 x^3 + 3 x^2 + x + 2}{(x^2 + x + 1) (x + 1)^2 (x - 1)^6}$$

Sequence: A007375
Score: 2.19719
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A007380
Score: 10.3880
Type of gen. func.: ogf

$$-\frac{x^6 + x^5 + x^3 + 2 x + 1}{x^7 + x^2 - 1}$$

Sequence: A007380
Score: 5.07221
Type of gen. func.: lgdogf

$$-\frac{x^{12} + 2 x^{11} + 4 x^9 + 8 x^7 + 4 x^6 + 6 x^5 + 4 x^4 + 5 x^2 + 2 x + 2}{(x^6 + x^5 + x^3 + 2 x + 1) (x^7 + x^2 - 1)}$$

Sequence: A007381
Score: 9.54157
Type of gen. func.: ogf

$$-\frac{x^8 + x^7 + x^5 + x^3 + 2 x + 1}{x^9 + x^2 - 1}$$

Sequence: A007382
Score: 4.56752
Type of gen. func.: ogf

$$\frac{x^2 (x^3 + 2 x^2 - x - 3)}{(x^2 + x - 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A007382
Score: 5.82802
Type of gen. func.: lgdogf

$$- \frac{3 x^6 + 10 x^5 + x^4 - 24 x^3 - 12 x^2 + 14 x + 4}{(x - 1) (x + 1) (x^2 + x - 1) (x^3 + 2 x^2 - x - 3)}$$

Sequence: A007383
Score: 10.7028
Type of gen. func.: ogf

$$- \frac{x^2}{(x^3 + x^2 - 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A007383
Score: 10.8328
Type of gen. func.: lgdogf

$$- \frac{x (7 x^3 + 6 x^2 - 3 x - 6)}{(x - 1) (x + 1) (x^3 + x^2 - 1)}$$

Sequence: A007384
Score: 10.5344
Type of gen. func.: lgdogf

$$- \frac{x (9 x^5 - 5 x^3 + 6 x^2 - 6)}{(x - 1) (x + 1) (x^5 + x^2 - 1)}$$

Sequence: A007384
Score: 10.7155
Type of gen. func.: ogf

$$-\frac{x^4}{(x^5 + x^2 - 1)\,(x - 1)^2\,(x + 1)^2}$$

Sequence: A007385
Score: 10.2660
Type of gen. func.: ogf

$$-\frac{x^6}{(x^7 + x^2 - 1)\,(x - 1)^2\,(x + 1)^2}$$

Sequence: A007385
Score: 10.5957
Type of gen. func.: lgdogf

$$-\frac{x\,(11\,x^7 - 7\,x^5 + 6\,x^2 - 6)}{(x - 1)\,(x + 1)\,(x^7 + x^2 - 1)}$$

Sequence: A007386
Score: 10.3373
Type of gen. func.: lgdogf

$$-\frac{x\,(13\,x^9 - 9\,x^7 + 6\,x^2 - 6)}{(x - 1)\,(x + 1)\,(x^9 + x^2 - 1)}$$

Sequence: A007386
Score: 9.49983
Type of gen. func.: ogf

$$x^8$$

$$-\frac{}{(x^{9}+x^{2}-1)\,(x-1)^{2}\,(x+1)^{2}}$$

Sequence: A007387
Score: 11.4085
Type of gen. func.: lgdogf

$$\frac{3\,x^{10}+16\,x^{7}-6\,x^{5}+8\,x^{4}+9\,x^{2}+4\,x+3}{(x^{5}+x^{2}-1)\,(3\,x^{6}-2\,x^{3}-3\,x-2)}$$

Sequence: A007387
Score: 11.9110
Type of gen. func.: ogf

$$\frac{x\,(3\,x^{6}-2\,x^{3}-3\,x-2)}{x^{5}+x^{2}-1}$$

Sequence: A007388
Score: 8.81773
Type of gen. func.: ogf

$$\frac{x\,(5\,x^{10}+3\,x^{8}-2\,x^{5}-2\,x^{3}-3\,x-2)}{x^{7}+x^{2}-1}$$

Sequence: A007389
Score: 8.38552
Type of gen. func.: ogf

$$\frac{x\,(7\,x^{14}+5\,x^{12}+3\,x^{10}-2\,x^{7}-2\,x^{5}-2\,x^{3}-3\,x-2)}{x^{9}+x^{2}-1}$$

Sequence: A007390
Score: 7.22184
Type of gen. func.: ogf

$$\frac{x^3 (x^3 + 2 x^2 - x - 4)}{(x^2 + x - 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A007391
Score: 7.32650
Type of gen. func.: lgdogf

$$- \frac{x (5 x^5 + 4 x^4 - 22 x^3 - 20 x^2 + 9 x + 16)}{(x - 1) (x + 1) (x^3 + x^2 - 1) (x^2 - 3)}$$

Sequence: A007391
Score: 8.51765
Type of gen. func.: ogf

$$\frac{x^5 (x^2 - 3)}{(x^3 + x^2 - 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A007392
Score: 6.98354
Type of gen. func.: lgdogf

$$- \frac{x (21 x^7 - 54 x^5 + 12 x^4 + 25 x^3 - 36 x^2 + 24)}{(x - 1) (x + 1) (3 x^2 - 5) (x^5 + x^2 - 1)}$$

Sequence: A007392
Score: 8.21316
Type of gen. func.: ogf

$$\frac{x^9 (3 x^2 - 5)}{(x^5 + x^2 - 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A007393
Score: 6.92120
Type of gen. func.: lgdogf

$$-\frac{x\,(45\,x^{9} - 102\,x^{7} + 49\,x^{5} + 20\,x^{4} - 52\,x^{2} + 32)}{(x - 1)\,(x + 1)\,(5\,x^{2} - 7)\,(x^{7} + x^{2} - 1)}$$

Sequence: A007393
Score: 7.58774
Type of gen. func.: ogf

$$\frac{x^{13}\,(5\,x^{2} - 7)}{(x^{7} + x^{2} - 1)\,(x - 1)^{2}\,(x + 1)^{2}}$$

Sequence: A007394
Score: 6.94831
Type of gen. func.: lgdogf

$$-\frac{x\,(77\,x^{11} - 166\,x^{9} + 81\,x^{7} + 28\,x^{4} - 68\,x^{2} + 40)}{(x - 1)\,(x + 1)\,(7\,x^{2} - 9)\,(x^{9} + x^{2} - 1)}$$

Sequence: A007394
Score: 7.55329
Type of gen. func.: ogf

$$\frac{x^{17}\,(7\,x^{2} - 9)}{(x^{9} + x^{2} - 1)\,(x - 1)^{2}\,(x + 1)^{2}}$$

Sequence: A007395
Score: 117.359
Type of gen. func.: lgdogf

$$-\frac{1}{x - 1}$$

Sequence: A007395
Score: 134.124
Type of gen. func.: revogf

$$\frac{x}{2 + x}$$

Sequence: A007395
Score: 18.4109
Type of gen. func.: ogf

$$\{a(n + 1) - a(n), a(0) = 2\}$$

Sequence: A007395
Score: 23.3505
Type of gen. func.: ogf

$$-f(x) x + f(x) - 2$$

Sequence: A007395
Score: 38.2948
Type of gen. func.: ogf

$$- \frac{2}{x - 1}$$

Sequence: A007403
Score: 2.88496
Type of gen. func.: ogf

$$-4096 f(x)^2 x^4 + 2048 f(x)^2 x^3 - 384 f(x)^2 x^2 - 512 f(x) x^3 + 32 f(x)^2 x + 256 f(x) x^2 - 72 x^3 - f(x)^2 - 40 f(x) x - 7 x^2 + 2 f(x) + 8 x - 1$$

Sequence: A007405
Score: 20.9033
Type of gen. func.: lgdegf]

$2 a(n) + (-n - 1) a(n + 1), a(0) = 2, a(1) = 2$

Sequence: A007412
Score: 7.87568
Type of gen. func.: lgdogf

$$\frac{23 x^{25} - 47 x^{24} + 24 x^{23} + 5 x^{7} - 11 x^{6} + 6 x^{5} - x + 3}{(x - 1) (x^{25} - x^{24} + x^{7} - x^{6} + x - 2)}$$

Sequence: A007412
Score: 7.97796
Type of gen. func.: ogf

$$- \frac{x^{25} - x^{24} + x^{7} - x^{6} + x - 2}{(x - 1)^{2}}$$

Sequence: A007415
Score: 10.1168
Type of gen. func.: lgdegf]

$$- \frac{2 x^{5} - 3 x^{4} + 8 x^{3} - 8 x + 4}{(x^{2} + 2 x + 2) (x^{2} - 2 x + 2) (x^{2} - x + 2)}$$

Sequence: A007415
Score: 11.6606
Type of gen. func.: egf]

$$-f(x) x^{4} + 2 x^{3} - 2 x^{2} - 4 f(x) + 4 x$$

Sequence: A007415
Score: 12.5406
Type of gen. func.: egf]

$$\frac{2 x (x^{2} - x + 2)}{}$$

$$(x^2 - 2x + 2)(x^2 + 2x + 2)$$

Sequence: A007417
Score: 10.8852
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{20} + x^{19} + x^6 - x^5 - x^2 + x + 2$$

Sequence: A007420
Score: 16.8216
Type of gen. func.: ogf

$$-\frac{x^2}{4x^3 - 4x^2 + 2x - 1}$$

Sequence: A007420
Score: 17.9689
Type of gen. func.: lgdogf

$$-\frac{2(6x^2 - 4x + 1)}{4x^3 - 4x^2 + 2x - 1}$$

Sequence: A007420
Score: 6.26987
Type of gen. func.: ogf

$$\{a(n + 3) - 2a(n + 2) + 4a(n + 1) - 4a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A007420
Score: 8.51463
Type of gen. func.: ogf

$$4 f(x) x^3 - 4 f(x) x^2 + 2 f(x) x + x^2 - f(x)$$

Sequence: A007440
Score: 13.2408
Type of gen. func.: ogf

$$-f(x)^2 x^2 - f(x) x - f(x) + 1$$

Sequence: A007440
Score: 18.1513
Type of gen. func.: lgdogf

$$-\frac{(5 x^2 + 2 x + 1)^{1/2} - 1}{(5 x^2 + 2 x + 1)^{1/2} x}$$

Sequence: A007440
Score: 5.20805
Type of gen. func.: ogf

$\{(5 n + 10) a(n + 1) + (2 n + 7) a(n + 2) + (n + 5) a(n + 3), a(0) = 1,$

$a(1) = -1, a(2) = 0\}$

Sequence: A007440
Score: 64.2277
Type of gen. func.: revogf

$$-\frac{x}{x^2 + x - 1}$$

Sequence: A007450
Score: 7.87290
Type of gen. func.: ogf

$$-\frac{x (7 x^7 - 3 x^6 + 2 x^5 + x^4 - 6 x^3 + 3 x + 5)}{(x - 1) (x^8 + 1)}$$

Sequence: A007452

Score: 11.0259
Type of gen. func.: egf]

$$\frac{2\,(x^3 - 2\,x + 2)}{(x^2 - 2\,x + 2)\,(x^2 + 2\,x + 2)}$$

Sequence: A007452
Score: 5.93701
Type of gen. func.: egf]

$$\{-4\,a(n + 4) - a(n),\ a(0) = 1,\ a(1) = -1,\ a(2) = 0,\ a(3) = 1/2\}$$

Sequence: A007452
Score: 6.83885
Type of gen. func.: egf]

$$-(5\,f(x) + 2)\,(f(x)\,x^4 - 2\,x^3 + 4\,f(x) + 4\,x - 4)$$

Sequence: A007452
Score: 9.13059
Type of gen. func.: lgdegf]

$$-\frac{x^6 - 6\,x^4 + 8\,x^3 - 12\,x^2 + 8}{(x^2 + 2\,x + 2)\,(x^2 - 2\,x + 2)\,(x^3 - 2\,x + 2)}$$

Sequence: A007455
Score: 10.7928
Type of gen. func.: lgdogf

$$-\frac{(x + 1)\,(4\,x^5 - 4\,x^4 + 4\,x^3 + 4\,x^2 + 5\,x + 1)}{(2\,x^3 + x + 1)\,(2\,x^4 + 3\,x^2 - 1)}$$

Sequence: A007455
Score: 12.7444
Type of gen. func.: ogf

$$-\frac{2x^3+x+1}{2x^4+3x^2-1}$$

Sequence: A007455
Score: 6.85311
Type of gen. func.: ogf

$$\{a(n+4)-3a(n+2)-2a(n),\ a(0)=1,\ a(1)=1,\ a(2)=3,\ a(3)=5\}$$

Sequence: A007455
Score: 7.81108
Type of gen. func.: ogf

$$(f(x)-1)(2f(x)x^4+3f(x)x^2+2x^3-f(x)+x+1)$$

Sequence: A007465
Score: 4.41191
Type of gen. func.: ogf

$$\{(2n^2+18n+28)a(n+1)+(-3n^2-25n-44)a(n+2)$$
$$+(n^2+6n+9)a(n+3),\ a(0)=1,\ a(1)=6,\ a(2)=30\}$$

Sequence: A007465
Score: 7.89731
Type of gen. func.: ogf

$$-\frac{6x^4-12x^3+10x^2-4x+1}{(2x-1)^5}$$

Sequence: A007465
Score: 8.93827
Type of gen. func.: lgdogf

$$6(2x^4-4x^3+4x^2-2x+1)$$

$$-\frac{}{(2 x - 1) (6 x^4 - 12 x^3 + 10 x^2 - 4 x + 1)}$$

Sequence: A007466
Score: 10.2065
Type of gen. func.: ogf

$$-\frac{2 x^2 - 2 x + 1}{(2 x - 1)^3}$$

Sequence: A007466
Score: 18.2241
Type of gen. func.: lgdogf

$$-\frac{4 (x^2 - x + 1)}{(2 x - 1) (2 x^2 - 2 x + 1)}$$

Sequence: A007466
Score: 5.55089
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 12 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 4, a(2) = 14\}$$

Sequence: A007466
Score: 5.60001
Type of gen. func.: ogf

$$(38 f(x) + 7) (8 f(x) x^3 - 12 f(x) x^2 + 6 f(x) x + 2 x^2 - f(x) - 2 x + 1)$$

Sequence: A007477
Score: 12.9148
Type of gen. func.: revogf

$$- 1/2 - \frac{x^2}{2} + \frac{((x + 1) (x^3 - x^2 + 3 x + 1))^{1/2}}{2}$$

Sequence: A007477
Score: 22.3884
Type of gen. func.: ogf

$$-x - 1 + f(x) - f(x)^2 x^2$$

Sequence: A007477
Score: 6.18086
Type of gen. func.: ogf

$$\{(-4 n - 6) a(n + 1) + (-4 n - 12) a(n + 2) + (n + 6) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 2\}$$

Sequence: A007481
Score: 12.1072
Type of gen. func.: lgdogf

$$-\frac{2 x^6 + 9 x^4 + 8 x^3 + 9 x^2 + 6 x + 2}{(x^3 + 2 x + 1) (2 x^4 + 3 x^2 - 1)}$$

Sequence: A007481
Score: 12.9919
Type of gen. func.: ogf

$$-\frac{x^3 + 2 x + 1}{2 x^4 + 3 x^2 - 1}$$

Sequence: A007481
Score: 7.87804
Type of gen. func.: ogf

$$(26 f(x) + 7) (2 f(x) x^4 + 3 f(x) x^2 + x^3 - f(x) + 2 x + 1)$$

Sequence: A007482
Score: 16.9799
Type of gen. func.: revogf

$$\frac{-3 x - 1 + (17 x^2 + 6 x + 1)^{1/2}}{4 x}$$

Sequence: A007482
Score: 18.3942
Type of gen. func.: ogf

$$-\frac{1}{2 x^2 + 3 x - 1}$$

Sequence: A007482
Score: 27.0134
Type of gen. func.: lgdogf

$$-\frac{3 + 4 x}{2 x^2 + 3 x - 1}$$

Sequence: A007482
Score: 7.05824
Type of gen. func.: ogf

$$-(13 f(x) - 4) (2 f(x) x^2 + 3 f(x) x - f(x) + 1)$$

Sequence: A007482
Score: 7.40254
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A007483
Score: 13.7009
Type of gen. func.: ogf

$$2 x + 1$$

$$-\frac{}{2x^2+3x-1}$$

Sequence: A007483
Score: 15.0957
Type of gen. func.: revogf

$$\frac{-3x-1+(17x^2+14x+1)^{1/2}}{4(x+1)}$$

Sequence: A007483
Score: 16.7730
Type of gen. func.: lgdogf

$$-\frac{4x^2+4x+5}{(2x+1)(2x^2+3x-1)}$$

Sequence: A007483
Score: 7.1691
Type of gen. func.: ogf

$$(19 f(x)+6)(2 f(x) x^2+3 f(x) x-f(x)+2x+1)$$

Sequence: A007483
Score: 7.51880
Type of gen. func.: ogf

{a(n + 2) - 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 5}

Sequence: A007484
Score: 16.5801
Type of gen. func.: ogf

$$-\frac{2+x}{2x^2+3x-1}$$

Sequence: A007484
Score: 17.4541
Type of gen. func.: revogf

$$\frac{-2 - 3 x + (17 x^{2} + 16 x + 4)^{1/2}}{2 (2 x + 1)}$$

Sequence: A007484
Score: 21.5610
Type of gen. func.: lgdogf

$$- \frac{2 x^{2} + 8 x + 7}{(2 + x) (2 x^{2} + 3 x - 1)}$$

Sequence: A007484
Score: 8.29005
Type of gen. func.: ogf

$$-(29 f(x) - 9) (2 f(x) x^{2} + 3 f(x) x - f(x) + x + 2)$$

Sequence: A007484
Score: 9.09884
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) + 2 a(n), a(0) = 2, a(1) = 7\}$$

Sequence: A007486
Score: 14.5568
Type of gen. func.: ogf

$$- \frac{2 x + 1}{x^{3} + x^{2} + x - 1}$$

Sequence: A007486
Score: 18.0307

Type of gen. func.: lgdogf

$$-\frac{4x^3+5x^2+2x+3}{(2x+1)(x^3+x^2+x-1)}$$

Sequence: A007486
Score: 6.88849
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+2)+a(n+1)+a(n),\ a(0)=1,\ a(1)=3,\ a(2)=4\}$$

Sequence: A007486
Score: 7.01373
Type of gen. func.: ogf

$$-(25 f(x)+151)\,(f(x)\,x^3+f(x)\,x^2+f(x)\,x-f(x)+2x+1)$$

Sequence: A007487
Score: 3.30652
Type of gen. func.: ogf

$$-x\,(x^8+502x^7+14608x^6+88234x^5+156190x^4+88234x^3+14608x^2+502x+1)\Big/(x-1)^{11}$$

Sequence: A007489
Score: 4.90383
Type of gen. func.: ogf

$$\{(-n-3)\,a(n+1)+(n+4)\,a(n+2)-a(n+3),\ a(0)=0,\ a(1)=1,\ a(2)=3\}$$

Sequence: A007492
Score: 13.7954
Type of gen. func.: ogf

$$\frac{x^2-2}{}$$

$$(x^2 + x - 1) (x + 1)$$

Sequence: A007492
Score: 18.4678
Type of gen. func.: lgdogf

$$-\frac{x (x^3 - 6 x - 6)}{(x + 1) (x^2 - 2) (x^2 + x - 1)}$$

Sequence: A007492
Score: 7.86188
Type of gen. func.: ogf

$$(128 f(x) - 499) (f(x) x^3 + 2 f(x) x^2 - x^2 - f(x) + 2)$$

Sequence: A007492
Score: 7.86189
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 1) - a(n), a(0) = 2, a(1) = 0, a(2) = 3\}$$

Sequence: A007494
Score: 16.2063
Type of gen. func.: ogf

$$\frac{x (2 + x)}{(x + 1) (x - 1)^2}$$

Sequence: A007494
Score: 28.4666
Type of gen. func.: lgdogf

$$-\frac{(x + 3) (2 x + 1)}{(x - 1) (2 + x) (x + 1)}$$

Sequence: A007494
Score: 8.32217
Type of gen. func.: ogf

$$\{-a(n+3) + a(n+2) + a(n+1) - a(n),\ a(0) = 0,\ a(1) = 2,\ a(2) = 3\}$$

Sequence: A007494
Score: 8.96854
Type of gen. func.: ogf

$$-f(x)\ (f(x)\ x^3 - f(x)\ x^2 - f(x)\ x - x^2 + f(x) - 2\ x)$$

Sequence: A007502
Score: 13.3356
Type of gen. func.: lgdogf

$$-\frac{x^4 - 3\ x^3 + 3\ x^2 + 2\ x + 2}{(x^2 + x - 1)\ (x^3 - x^2 + 1)}$$

Sequence: A007502
Score: 4.41760
Type of gen. func.: ogf

$$\{-a(n+4) + 2\ a(n+3) + a(n+2) - 2\ a(n+1) - a(n),\ a(0) = 1,\ a(1) = 2,$$
$$a(2) = 4,\ a(3) = 9\}$$

Sequence: A007502
Score: 4.44892
Type of gen. func.: ogf

$$-(650\ f(x) - 567)$$
$$(f(x)\ x^4 + 2\ f(x)\ x^3 - f(x)\ x^2 - x^3 - 2\ f(x)\ x + x^2 + f(x) - 1)$$

Sequence: A007502
Score: 8.59314
Type of gen. func.: ogf

$$\frac{x^3 - x^2 + 1}{(x^2 + x - 1)^2}$$

Sequence: A007518
Score: 15.2483
Type of gen. func.: ogf

$$\frac{3 x}{(x + 1) (x - 1)^4}$$

Sequence: A007518
Score: 32.2393
Type of gen. func.: lgdogf

$$- \frac{3 + 5 x}{(x - 1) (x + 1)}$$

Sequence: A007518
Score: 44.0580
Type of gen. func.: ogf_with_Euler_transform]

$$[x + 3]$$

Sequence: A007518
Score: 6.99357
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 3) + 3 a(n + 2) + (n + 5) a(n + 1), a(0) = 0, a(1) = 3, a(2) = 9\}$$

Sequence: A007526
Score: 4.63673
Type of gen. func.: ogf

$$\{(-n^2 - 5 n - 6) a(n + 1) + (n^2 + 6 n + 9) a(n + 2) + (-2 - n) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 4\}$$

Sequence: A007526
Score: 47.9317
Type of gen. func.: lgdegf]

$$\frac{x - 2}{x - 1}$$

Sequence: A007531
Score: 15.1158
Type of gen. func.: ogf

$$\frac{6 x^3}{(x - 1)^4}$$

Sequence: A007531
Score: 6.40909
Type of gen. func.: ogf

{(-1 + n) a(n + 2) + (-2 - n) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6}

Sequence: A007531
Score: 8.09228
Type of gen. func.: ogf

$$-f(x) x^4 + 4 f(x) x^3 - 6 f(x) x^2 + 6 x^3 + 4 f(x) x - f(x)$$

Sequence: A007531
Score: 99.6718
Type of gen. func.: lgdogf

$$- \frac{4}{x - 1}$$

Sequence: A007533
Score: 10.3274
Type of gen. func.: ogf

$$-\frac{13 x^2 + 35 x + 2}{(x - 1)^3}$$

Sequence: A007533
Score: 16.3181
Type of gen. func.: lgdogf

$$-\frac{13 x^2 + 96 x + 41}{(x - 1) (13 x^2 + 35 x + 2)}$$

Sequence: A007533
Score: 5.12306
Type of gen. func.: ogf

$$(7022500 f(x) - 146242307)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 13 x^2 - f(x) + 35 x + 2)$$

Sequence: A007533
Score: 5.65764
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2, a(1) = 41, a(2) = 130\}$$

Sequence: A007559
Score: 12.9378
Type of gen. func.: revegf]

$$-\frac{(1 - 2 x)^{1/2}}{3} + \frac{2 (1 - 2 x)^{1/2} x}{3} + 1/3$$

Sequence: A007559
Score: 16.177
Type of gen. func.: egf]

$$3 f(x)^3 x - f(x)^3 + 1$$

Sequence: A007559
Score: 54.3390
Type of gen. func.: lgdegf]

$$-\frac{1}{3 x - 1}$$

Sequence: A007559
Score: 6.30626
Type of gen. func.: ogf

$$\{(-3 n - 4) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A007564
Score: 11.4791
Type of gen. func.: ogf

$$-3 f(x)^2 x + 2 f(x) x + f(x) - 1$$

Sequence: A007564
Score: 12.3097
Type of gen. func.: lgdogf

$$-\frac{2 x - 1 + (4 x^2 - 8 x + 1)^{1/2}}{2 x (4 x^2 - 8 x + 1)^{1/2}}$$

Sequence: A007564
Score: 3.20979
Type of gen. func.: ogf

$$\{(8 n^2 + 8 n) a(n) + (-20 n^2 - 56 n - 36) a(n + 1) + (10 n^2 + 52 n + 66) a(n + 2) + (-n^2 - 7 n - 12) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 4\}$$

Sequence: A007564
Score: 34.9855
Type of gen. func.: revogf

$$\frac{x (3 x - 1)}{2 x - 1}$$

Sequence: A007566
Score: 20.1998
Type of gen. func.: lgdegf]

$$\frac{(2 x + 1) (4 x^2 - 3)}{(2 x - 1) (4 x^2 + 1)}$$

Sequence: A007572
Score: 13.0873
Type of gen. func.: ogf

$$\frac{13 x - 5}{(x + 1) (4 x - 1)}$$

Sequence: A007572
Score: 13.0994
Type of gen. func.: revogf

$$\frac{-5 - 3 x + (25 x^2 - 22 x + 25)^{1/2}}{2 (-13 + 4 x)}$$

Sequence: A007572
Score: 14.0351
Type of gen. func.: lgdogf

$$- \frac{2 (26 x^2 - 20 x - 1)}{(4 x - 1) (13 x - 5) (x + 1)}$$

Sequence: A007572
Score: 6.61555
Type of gen. func.: ogf

$$(865 f(x) - 4321) (4 f(x) x^2 + 3 f(x) x - f(x) - 13 x + 5)$$

Sequence: A007572
Score: 7.34163
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) + 4 a(n), a(0) = 5, a(1) = 2\}$$

Sequence: A007574
Score: 7.67392
Type of gen. func.: ogf

$$-\frac{2 x^5 - x^4 - x^3 + x^2 + x - 1}{(x - 1)^2 (x^2 + x - 1)^2}$$

Sequence: A007574
Score: 8.95112
Type of gen. func.: lgdogf

$$-\frac{2 x^7 - 2 x^6 + 9 x^5 - 10 x^4 + 7 x^3 - 3 x^2 - 4 x + 3}{(x - 1) (x^2 + x - 1) (2 x^5 - x^4 - x^3 + x^2 + x - 1)}$$

Sequence: A007581
Score: 5.34363
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) - 14 a(n + 1) + 8 a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A007581
Score: 8.00044
Type of gen. func.: ogf

$$-8 f(x) x^3 + 14 f(x) x^2 - 7 f(x) x - 5 x^2 + f(x) + 5 x - 1$$

Sequence: A007581
Score: 8.95632
Type of gen. func.: lgdogf

$$-\frac{40 x^4 - 80 x^3 + 59 x^2 - 18 x + 2}{(x - 1) (4 x - 1) (2 x - 1) (5 x^2 - 5 x + 1)}$$

Sequence: A007581
Score: 9.73919
Type of gen. func.: ogf

$$-\frac{5 x^2 - 5 x + 1}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A007582
Score: 14.0540
Type of gen. func.: ogf

$$-\frac{3 x - 1}{(4 x - 1) (2 x - 1)}$$

Sequence: A007582
Score: 15.4930
Type of gen. func.: lgdogf

$$-\frac{24 x^2 - 16 x + 3}{(3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A007582
Score: 7.10599
Type of gen. func.: ogf

$$-(2 f(x) + 7) (8 f(x) x^2 - 6 f(x) x + f(x) + 3 x - 1)$$

Sequence: A007582
Score: 7.71259
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 8 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A007582
Score: 9.53415
Type of gen. func.: revegf]

$$1/4 \ln(8 x + 3) + 1/4 \ln(2 (2 x + 1)^{1/2} - 1) - 1/4 \ln(2 (2 x + 1)^{1/2} + 1)$$

Sequence: A007583
Score: 14.3365
Type of gen. func.: ogf

$$- \frac{2 x - 1}{(4 x - 1) (x - 1)}$$

Sequence: A007583
Score: 15.4252
Type of gen. func.: revogf

$$- \frac{-1 - 5 x + (9 x^2 + 2 x + 1)^{1/2}}{4 (2 x + 1)}$$

Sequence: A007583
Score: 17.5676
Type of gen. func.: lgdogf

$$- \frac{8 x^2 - 8 x + 3}{(x - 1) (4 x - 1) (2 x - 1)}$$

Sequence: A007583
Score: 7.86761
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A007583
Score: 9.94354
Type of gen. func.: ogf

$$f(x) (4 f(x) x^2 - 5 f(x) x + f(x) + 2 x - 1)$$

Sequence: A007584
Score: 12.4206
Type of gen. func.: ogf

$$\frac{x (6 x + 1)}{(x - 1)^4}$$

Sequence: A007584
Score: 33.1718
Type of gen. func.: lgdogf

$$- \frac{2 (5 + 9 x)}{(6 x + 1) (x - 1)}$$

Sequence: A007584
Score: 5.34660
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 3) + (5 - 5 n) a(n + 2) + (18 + 6 n) a(n + 1), a(0) = 0,$$
$$a(1) = 1, a(2) = 10\}$$

Sequence: A007584
Score: 5.76669
Type of gen. func.: ogf

$$-(679826 f(x) + 1881567)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 6 x^2 + f(x) - x)$$

Sequence: A007585
Score: 10.0339
Type of gen. func.: ogf

$$\frac{x (7 x + 1)}{(x - 1)^4}$$

Sequence: A007585
Score: 26.7271
Type of gen. func.: lgdogf

$$- \frac{11 + 21 x}{(7 x + 1) (x - 1)}$$

Sequence: A007585
Score: 4.31921
Type of gen. func.: ogf

$\{(-2 - n) a(n + 3) + (5 - 6 n) a(n + 2) + (21 + 7 n) a(n + 1), a(0) = 0,$

$a(1) = 1, a(2) = 11\}$

Sequence: A007585
Score: 4.59296
Type of gen. func.: ogf

$-(5949440 f(x) + 18831569)$

$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 7 x^2 + f(x) - x)$

Sequence: A007586
Score: 12.7081
Type of gen. func.: ogf

$$\frac{x (8 x + 1)}{(x - 1)^4}$$

Sequence: A007586
Score: 32.5925
Type of gen. func.: lgdogf

$$-\frac{12\,(2x+1)}{(8x+1)\,(x-1)}$$

Sequence: A007586
Score: 5.47036
Type of gen. func.: ogf

$$\{(-2-n)\,a(n+3)+(5-7n)\,a(n+2)+(24+8n)\,a(n+1),\ a(0)=0,$$
$$a(1)=1,\ a(2)=12\}$$

Sequence: A007586
Score: 5.81708
Type of gen. func.: ogf

$$-(2972862\,f(x)+10593529)$$
$$(f(x)\,x^4-4\,f(x)\,x^3+6\,f(x)\,x^2-4\,f(x)\,x-8\,x^2+f(x)-x)$$

Sequence: A007587
Score: 12.7656
Type of gen. func.: ogf

$$\frac{x\,(9x+1)}{(x-1)^4}$$

Sequence: A007587
Score: 34.1062
Type of gen. func.: lgdogf

$$-\frac{13+27x}{(9x+1)\,(x-1)}$$

Sequence: A007587
Score: 5.49512
Type of gen. func.: ogf

{(-2 - n) a(n + 3) + (5 - 8 n) a(n + 2) + (27 + 9 n) a(n + 1), a(0) = 0,

a(1) = 1, a(2) = 13}

Sequence: A007587
Score: 5.80254
Type of gen. func.: ogf

$$-(22124000 f(x) + 87654321)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 9 x^2 + f(x) - x)$$

Sequence: A007588
Score: 11.0403
Type of gen. func.: ogf

$$\frac{x (x^2 + 10 x + 1)}{(x - 1)^4}$$

Sequence: A007588
Score: 23.7013
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 + 16 x + 7)}{(x - 1) (x^2 + 10 x + 1)}$$

Sequence: A007588
Score: 4.12619
Type of gen. func.: ogf

{(n + 3) a(n + 4) + (4 + 9 n) a(n + 3) + (-41 - 9 n) a(n + 2)

+ (-2 - n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 14, a(3) = 51}

Sequence: A007588
Score: 5.71319
Type of gen. func.: ogf

$-(552 f(x) + 2207)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 10 x^2 + f(x) - x)$$

Sequence: A007589
Score: 7.55561
Type of gen. func.: ogf

$$-\frac{x (x + 1) (24 x^3 - 23 x^2 + 16 x + 1)}{(x - 1)^3}$$

Sequence: A007589
Score: 9.94138
Type of gen. func.: lgdogf

$$\frac{4 (6 x^4 - 24 x^3 + x^2 - 5 x - 5)}{(x - 1) (x + 1) (24 x^3 - 23 x^2 + 16 x + 1)}$$

Sequence: A007590
Score: 10.1448
Type of gen. func.: ogf

$$-f(x) x^4 + 2 f(x) x^3 - 2 f(x) x - 2 x^2 + f(x)$$

Sequence: A007590
Score: 18.2607
Type of gen. func.: ogf

$$-\frac{2 x^2}{(x + 1) (x - 1)^3}$$

Sequence: A007590
Score: 36.9887
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x+1)}{(x-1)\,(x+1)}$$

Sequence: A007590
Score: 38.9467
Type of gen. func.: ogf_with_Euler_transform]

[2 + x]

Sequence: A007590
Score: 6.73549
Type of gen. func.: ogf

{a(n + 4) - 2 a(n + 3) + 2 a(n + 1) - a(n), a(0) = 0, a(1) = 0, a(2) = 2,

a(3) = 4}

Sequence: A007598
Score: 10.7566
Type of gen. func.: ogf

$$-\frac{x\,(x-1)}{(x+1)\,(x^2-3\,x+1)}$$

Sequence: A007598
Score: 13.7075
Type of gen. func.: lgdogf

$$-\frac{2\,x^3-5\,x^2+4\,x+1}{(x-1)\,(x+1)\,(x^2-3\,x+1)}$$

Sequence: A007598
Score: 5.52365
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 1}

Sequence: A007598
Score: 7.15681
Type of gen. func.: ogf

$$(f(x) + 1) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + x^2 + f(x) - x)$$

Sequence: A007601
Score: 7.95249
Type of gen. func.: lgdogf

$$\frac{3 x^8 - 6 x^7 - 12 x^6 + 2 x^5 + 5 x^4 + 10 x^3 - 2 x^2 - 2 x - 2}{(x - 1) (3 x^3 - 1) (x^5 + 2 x^4 + 2 x^3 - x^2 - x - 1)}$$

Sequence: A007601
Score: 8.97041
Type of gen. func.: ogf

$$- \frac{x^5 + 2 x^4 + 2 x^3 - x^2 - x - 1}{(x - 1) (3 x^3 - 1)}$$

Sequence: A007612
Score: 5.44885
Type of gen. func.: ogf

$$-f(x)^2 (f(x) x^5 - 2 f(x) x^4 + f(x) x^3 - 4 x^4 + f(x) x^2 - 3 x^3 - 2 f(x) x - x^2 + f(x) - 1)$$

Sequence: A007612
Score: 9.41284
Type of gen. func.: lgdogf

$$- \frac{4 x^7 + 10 x^6 + 3 x^5 - 9 x^4 + 18 x^3 + 6 x^2 + 2 x + 2}{(x - 1) (x + 1) (4 x^4 + 3 x^3 + x^2 + 1) (x^2 - x + 1)}$$

Sequence: A007612
Score: 9.48957
Type of gen. func.: ogf

$$\frac{4 x^4 + 3 x^3 + x^2 + 1}{(x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A007613
Score: 13.6948
Type of gen. func.: revogf

$$\frac{-1 - 7 x + (81 x^2 - 6 x + 1)^{1/2}}{2 (-5 + 8 x)}$$

Sequence: A007613
Score: 14.0288
Type of gen. func.: lgdogf

$$- \frac{2 (10 x + 1) (2 x - 1)}{(8 x - 1) (5 x - 1) (x + 1)}$$

Sequence: A007613
Score: 16.1421
Type of gen. func.: ogf

$$\frac{5 x - 1}{(8 x - 1) (x + 1)}$$

Sequence: A007613
Score: 8.16174
Type of gen. func.: ogf

$$(129 f(x) - 125) (8 f(x) x^2 + 7 f(x) x - f(x) - 5 x + 1)$$

Sequence: A007613
Score: 8.85846
Type of gen. func.: ogf

$$\{-a(n+2) + 7\,a(n+1) + 8\,a(n),\ a(0) = 1,\ a(1) = 2\}$$

Sequence: A007654
Score: 10.4706
Type of gen. func.: lgdogf

$$-\frac{2\,(x^3 - 6\,x^2 - 15\,x + 8)}{(x - 1)\,(x + 1)\,(x^2 - 14\,x + 1)}$$

Sequence: A007654
Score: 12.0337
Type of gen. func.: ogf

$$-\frac{3\,(x + 1)\,x}{(x - 1)\,(x^2 - 14\,x + 1)}$$

Sequence: A007654
Score: 6.22796
Type of gen. func.: ogf

$$\{a(n+3) - 15\,a(n+2) + 15\,a(n+1) - a(n),\ a(0) = 0,\ a(1) = 3,\ a(2) = 48\}$$

Sequence: A007654
Score: 6.45444
Type of gen. func.: ogf

$$(16\,f(x) + 3)\,(f(x)\,x^3 - 15\,f(x)\,x^2 + 15\,f(x)\,x + 3\,x^2 - f(x) + 3\,x)$$

Sequence: A007655
Score: 10.1010
Type of gen. func.: revogf

$$-\frac{-14\,x - 1 + (16\,x + 1)^{1/2}\,(1 + 12\,x)^{1/2}}{2\,x}$$

Sequence: A007655
Score: 12.8377
Type of gen. func.: ogf

$$-f(x) x^2 + 14 f(x) x - f(x) + x$$

Sequence: A007655
Score: 20.2652
Type of gen. func.: ogf

$$\frac{x}{x^2 - 14 x + 1}$$

Sequence: A007655
Score: 21.1203
Type of gen. func.: lgdogf

$$-\frac{2 (-7 + x)}{x^2 - 14 x + 1}$$

Sequence: A007655
Score: 8.40266
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1) + a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A007661
Score: 5.70916
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 1) + a(n + 4), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 3\}$$

Sequence: A007667
Score: 3.1608
Type of gen. func.: ogf

$(2281675 f(x) - 53446)$

$$(f(x)\, x^{3} - 99\, f(x)\, x^{2} + 99\, f(x)\, x + 5\, x^{2} - f(x) - 130\, x + 5)$$

Sequence: A007667
Score: 3.29251
Type of gen. func.: ogf

$\{-a(n + 3) + 99\, a(n + 2) - 99\, a(n + 1) + a(n),\ a(0) = 5,\ a(1) = 365,$

$a(2) = 35645\}$

Sequence: A007667
Score: 6.07848
Type of gen. func.: ogf

$$-\frac{5\,(x^{2} - 26\, x + 1)}{(x - 1)\,(x^{2} - 98\, x + 1)}$$

Sequence: A007669
Score: 3.91163
Type of gen. func.: ogf

$$(2\, f(x)\, x - f(x) + 1)^{3}$$

Sequence: A007679
Score: 10.0363
Type of gen. func.: ogf

$$-\frac{3\, x^{2} - x + 1}{(2\, x - 1)\,(x^{2} + 1)}$$

Sequence: A007679
Score: 11.0854
Type of gen. func.: lgdogf

$$-\frac{(3\, x + 1)\,(2\, x^{3} - 2\, x^{2} + x + 1)}{}$$

$$(2 x - 1) (x^2 + 1) (3 x^2 - x + 1)$$

Sequence: A007679
Score: 5.32361
Type of gen. func.: ogf

$$(225 f(x) - 239) (2 f(x) x^3 - f(x) x^2 + 2 f(x) x + 3 x^2 - f(x) - x + 1)$$

Sequence: A007679
Score: 5.46621
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n + 1) - 2 a(n), a(0) = 1, a(1) = 1, a(2) = 4\}$$

Sequence: A007680
Score: 10.39
Type of gen. func.: egf]

$$-f(x) x^2 + 2 f(x) x - f(x) + x + 1$$

Sequence: A007680
Score: 14.5460
Type of gen. func.: egf]

$$\frac{x + 1}{(x - 1)^2}$$

Sequence: A007680
Score: 3.87321
Type of gen. func.: ogf

$$\{(-n^2 - 4 n - 4) a(n + 1) + (-2 n^2 - 13 n - 24) a(n + 2) + (2 n + 6) a(n + 3),$$
$$a(0) = 1, a(1) = 3, a(2) = 10\}$$

Sequence: A007680

Score: 35.6885
Type of gen. func.: lgdegf]

$$-\frac{x + 3}{(x - 1) (x + 1)}$$

Sequence: A007681
Score: 16.2234
Type of gen. func.: lgdegf]

$$-\frac{x^2 + 14 x + 9}{(x - 1) (x^2 + 6 x + 1)}$$

Sequence: A007681
Score: 4.51304
Type of gen. func.: egf]

$$(39 f(x) - 154) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 6 x + 1)$$

Sequence: A007681
Score: 8.43420
Type of gen. func.: egf]

$$-\frac{x^2 + 6 x + 1}{(x - 1)^3}$$

Sequence: A007689
Score: 14.3356
Type of gen. func.: ogf

$$-\frac{5 x - 2}{(3 x - 1) (2 x - 1)}$$

Sequence: A007689
Score: 15.8018
Type of gen. func.: lgdogf

$$-\frac{30\,x^{2}-24\,x+5}{(3\,x-1)\,(2\,x-1)\,(5\,x-2)}$$

Sequence: A007689
Score: 7.16781
Type of gen. func.: ogf

$$-(f(x)+23)\,(6\,f(x)\,x^{2}-5\,f(x)\,x+f(x)+5\,x-2)$$

Sequence: A007689
Score: 7.86712
Type of gen. func.: ogf

$$\{a(n+2)-5\,a(n+1)+6\,a(n),\ a(0)=2,\ a(1)=5\}$$

Sequence: A007690
Score: 13.4056
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{5}+x^{3}+x^{2}+x}{x^{6}-1}$$

Sequence: A007696
Score: 16.0542
Type of gen. func.: revegf]

$$-\frac{(1-3\,x)^{1/3}}{4}+\frac{3\,(1-3\,x)^{1/3}\,x}{4}+1/4$$

Sequence: A007696
Score: 44.9518
Type of gen. func.: lgdegf]

$$-1+(1-4\,x)\,f(x)$$

Sequence: A007696
Score: 7.79608
Type of gen. func.: ogf

$$\{(-4 n - 5) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A007698
Score: 3.46555
Type of gen. func.: ogf

$$(75 f(x) + 58) (11 f(x) x^4 - 18 f(x) x^3 + 3 f(x) x^2 + 5 x^3 - 22 f(x) x - 8 x^2 + f(x) + x - 10)$$

Sequence: A007698
Score: 6.11819
Type of gen. func.: ogf

$$- \frac{(x - 2) (5 x^2 + 2 x + 5)}{11 x^4 - 18 x^3 + 3 x^2 - 22 x + 1}$$

Sequence: A007699
Score: 4.55692
Type of gen. func.: ogf

$$(75 f(x) + 58) (11 f(x) x^4 - 18 f(x) x^3 + 3 f(x) x^2 + 5 x^3 - 22 f(x) x - 8 x^2 + f(x) + x - 10)$$

Sequence: A007699
Score: 8.04491
Type of gen. func.: ogf

$$- \frac{(x - 2) (5 x^2 + 2 x + 5)}{11 x^4 - 18 x^3 + 3 x^2 - 22 x + 1}$$

Sequence: A007715
Score: 10.3414
Type of gen. func.: ogf

$$-\frac{2x^2+2x+1}{(x-1)^5}$$

Sequence: A007715
Score: 21.1497
Type of gen. func.: lgdogf

$$-\frac{6x^2+12x+7}{(x-1)(2x^2+2x+1)}$$

Sequence: A007715
Score: 4.46434
Type of gen. func.: ogf

$$\{(-n-4)a(n+4)+(4-n)a(n+3)+12a(n+2)+(8+2n)a(n+1),$$

$$a(0)=1, a(1)=7, a(2)=27, a(3)=75\}$$

Sequence: A007724
Score: 4.58240
Type of gen. func.: ogf

$$\{(-54n^3-513n^2-1605n-1650)a(n+1)$$

$$+(2n^3+27n^2+121n+180)a(n+2), a(0)=2, a(1)=12\}$$

Sequence: A007742
Score: 14.0384
Type of gen. func.: ogf

$$-\frac{x(3x+5)}{(x-1)^3}$$

Sequence: A007742
Score: 35.8500
Type of gen. func.: lgdogf

$$-\frac{6\,(x+3)}{(3x+5)\,(x-1)}$$

Sequence: A007742
Score: 7.01918
Type of gen. func.: ogf

$$(3904\,f(x)-11739)\,(f(x)\,x^{3}-3\,f(x)\,x^{2}+3\,f(x)\,x+3\,x^{2}-f(x)+5\,x)$$

Sequence: A007742
Score: 7.14452
Type of gen. func.: ogf

$$\{a(n+3)-3\,a(n+2)+3\,a(n+1)-a(n),\ a(0)=0,\ a(1)=5,\ a(2)=18\}$$

Sequence: A007744
Score: 18.7572
Type of gen. func.: lgdogf

$$-\frac{20\,(3x+1)}{(6x+1)\,(4x-1)}$$

Sequence: A007744
Score: 3.32193
Type of gen. func.: ogf

$$\{(-n-3)\,a(n+3)+(16-2n)\,a(n+2)+(84+24n)\,a(n+1),\ a(0)=1,$$
$$a(1)=20,\ a(2)=210\}$$

Sequence: A007750
Score: 7.50480
Type of gen. func.: ogf

$$-\frac{x\,(x^{2}+6x+1)}{}$$

$$(x - 1) (x^4 - 16 x^2 + 1)$$

Sequence: A007750
Score: 7.96576
Type of gen. func.: lgdogf

$$- \frac{3 x^6 + 22 x^5 - 29 x^4 - 196 x^3 + 47 x^2 + 34 x + 7}{(x - 1) (x^2 + 6 x + 1) (x^4 - 16 x^2 + 1)}$$

Sequence: A007751
Score: 10.8016
Type of gen. func.: lgdogf

$$- \frac{2 (x^3 + 2 x^2 - 119 x + 60)}{(x - 1) (x + 7) (x^2 - 16 x + 1)}$$

Sequence: A007751
Score: 4.31949
Type of gen. func.: ogf

$$(13840914 f(x) - 1561967) (f(x) x^3 - 17 f(x) x^2 + 17 f(x) x + x^2 - f(x) + 7 x)$$

Sequence: A007751
Score: 4.58241
Type of gen. func.: ogf

$$\{a(n + 3) - 17 a(n + 2) + 17 a(n + 1) - a(n), a(0) = 0, a(1) = 7, a(2) = 120\}$$

Sequence: A007751
Score: 8.93181
Type of gen. func.: ogf

$$- \frac{x (x + 7)}{(x - 1) (x^2 - 16 x + 1)}$$

Sequence: A007752
Score: 4.11189
Type of gen. func.: ogf

$$(20857182 f(x) - 1160551) (f(x) x^3 - 17 f(x) x^2 + 17 f(x) x - f(x) + 7 x + 1)$$

Sequence: A007752
Score: 4.14703
Type of gen. func.: ogf

$$\{a(n + 3) - 17 a(n + 2) + 17 a(n + 1) - a(n), a(0) = 1, a(1) = 24, a(2) = 391\}$$

Sequence: A007752
Score: 8.82187
Type of gen. func.: ogf

$$- \frac{7 x + 1}{(x - 1) (x^2 - 16 x + 1)}$$

Sequence: A007752
Score: 9.11756
Type of gen. func.: lgdogf

$$- \frac{2 (7 x^3 - 58 x^2 - 17 x + 12)}{(x - 1) (7 x + 1) (x^2 - 16 x + 1)}$$

Sequence: A007758
Score: 13.1209
Type of gen. func.: ogf

$$- \frac{2 x (2 x + 1)}{(2 x - 1)^3}$$

Sequence: A007758
Score: 31.2878

Type of gen. func.: lgdogf

$$-\frac{8 (x + 1)}{(2 x - 1) (2 x + 1)}$$

Sequence: A007758
Score: 6.73460
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 12 a(n + 1) - 8 a(n), a(0) = 0, a(1) = 2, a(2) = 16\}$$

Sequence: A007758
Score: 7.04638
Type of gen. func.: ogf

$$(4 f(x) + 1) (8 f(x) x^3 - 12 f(x) x^2 + 6 f(x) x + 4 x^2 - f(x) + 2 x)$$

Sequence: A007773
Score: 5.90129
Type of gen. func.: lgdogf

$$(20 x^{11} - 44 x^{10} - 22 x^9 + 98 x^8 - 14 x^7 - 70 x^6 + 9 x^5 + 23 x^4 + 12 x^3 + 4 x^2 - x + 1) \Big/ ((x - 1) (x + 1) (4 x^{10} - 8 x^9 - 2 x^8 + 10 x^7 - 3 x^5 - 4 x^3 + 2 x - 1))$$

Sequence: A007773
Score: 6.72425
Type of gen. func.: ogf

$$-\frac{4 x^{10} - 8 x^9 - 2 x^8 + 10 x^7 - 3 x^5 - 4 x^3 + 2 x - 1}{(x + 1) (x - 1)^4}$$

Sequence: A007775
Score: 7.34904
Type of gen. func.: ogf

$$\frac{x^8 + 6 x^7 + 4 x^6 + 2 x^5 + 4 x^4 + 2 x^3 + 4 x^2 + 6 x + 1}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A007780
Score: 5.48353
Type of gen. func.: ogf

$$(18 x^{15} + 243 x^{14} + 75 x^{13} + 9 x^{11} + 27 x^{10} + 30 x^9 + 27 x^8 + 13 x^7 + 9 x^6 + 7 x^5 - 2 x - 1) / (3 x^2 - 1)$$

Sequence: A007798
Score: 16.0259
Type of gen. func.: ogf

$$- \frac{2 x^2}{(x - 1) (3 x - 1) (5 x - 1)}$$

Sequence: A007798
Score: 19.2356
Type of gen. func.: lgdogf

$$- \frac{45 x^2 - 46 x + 9}{(x - 1) (3 x - 1) (5 x - 1)}$$

Sequence: A007798
Score: 6.72516
Type of gen. func.: ogf

$\{a(n + 3) - 9 a(n + 2) + 23 a(n + 1) - 15 a(n), a(0) = 0, a(1) = 0, a(2) = 2\}$

Sequence: A007798
Score: 9.0749
Type of gen. func.: ogf

$$15 f(x) x^3 - 23 f(x) x^2 + 9 f(x) x + 2 x^2 - f(x)$$

Sequence: A007800
Score: 10.6813
Type of gen. func.: ogf

$$- \frac{x^4 - x + 1}{(x^3 + x^2 + x - 1) (x - 1)^2}$$

Sequence: A007800
Score: 13.1437
Type of gen. func.: lgdogf

$$- \frac{x^7 + x^6 + x^5 + x^4 + 2 x - 2}{(x - 1) (x^4 - x + 1) (x^3 + x^2 + x - 1)}$$

Sequence: A007800
Score: 5.30223
Type of gen. func.: ogf

$$f(x) (f(x) - 1) (f(x) x^5 - f(x) x^4 + x^4 - 2 f(x) x^2 + 3 f(x) x - f(x) - x + 1)$$

Sequence: A007805
Score: 10.7287
Type of gen. func.: ogf

$$- \frac{x - 1}{x^2 - 18 x + 1}$$

Sequence: A007805
Score: 11.2193
Type of gen. func.: revogf

$$-1 - 18 x + (320 x^2 + 32 x + 1)^{1/2}$$

$$- \frac{}{2 (x + 1)}$$

Sequence: A007805
Score: 15.0760
Type of gen. func.: lgdogf

$$- \frac{x^2 - 2 x + 17}{(x - 1) (x^2 - 18 x + 1)}$$

Sequence: A007805
Score: 5.30668
Type of gen. func.: ogf

$$-(304 f(x) - 15) (f(x) x^2 - 18 f(x) x + f(x) + x - 1)$$

Sequence: A007805
Score: 5.87525
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1) + a(n), a(0) = 1, a(1) = 17\}$$

Sequence: A007813
Score: 6.38434
Type of gen. func.: ogf

$$(x^{15} + 4 x^{14} + 5 x^{13} + 8 x^{12} + 6 x^{11} + 6 x^{10} + 9 x^9 + 10 x^8 - 16 x^7 - 27 x^6 - 16 x^5 - 8 x^4 - 4 x^3 - 2 x^2 - x - 1)/(x - 1)$$

Sequence: A007829
Score: 4.66267
Type of gen. func.: ogf

$$- \frac{2 x^5 (3 x^2 + 2 x - 3)}{(x - 1) (2 x^2 - 1) (x^2 + x - 1) (x^3 + x^2 - 1)}$$

Sequence: A007830
Score: 15.6124
Type of gen. func.: revegf]

$$1/2 \frac{2^{1/2} (\ln(2) + \ln(x + 1/2))}{(2 + 4 x)^{1/2}}$$

Sequence: A007852
Score: 23.1174
Type of gen. func.: revogf

$$\frac{(1 - 3 x + (5 x^2 - 2 x + 1)^{1/2}) x}{2}$$

Sequence: A007854
Score: 11.2308
Type of gen. func.: ogf

$$-9 f(x)^2 x + 2 f(x)^2 - f(x) - 1$$

Sequence: A007854
Score: 14.4083
Type of gen. func.: lgdogf

$$\frac{3 (3 - 12 x + (1 - 4 x)^{1/2})}{2 (9 x - 2) (4 x - 1)}$$

Sequence: A007854
Score: 16.8097
Type of gen. func.: revogf

$$\frac{(-1 - 9 x + 3 (9 x^2 + 2 x + 1)^{1/2}) x}{2}$$

Sequence: A007854
Score: 3.98511
Type of gen. func.: ogf

$$\{(-36 n - 54) a(n + 1) + (17 n + 39) a(n + 2) + (-2 n - 6) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 12\}$$

Sequence: A007863
Score: 38.4711
Type of gen. func.: revogf

$$- \frac{x (x^2 + x - 1)}{x + 1}$$

Sequence: A007863
Score: 9.65798
Type of gen. func.: ogf

$$-f(x)^3 x^2 - f(x)^2 x - f(x) x + f(x) - 1$$

Sequence: A007868
Score: 3.26260
Type of gen. func.: ogf

$$\{(n^3 + 7 n^2 + 16 n + 12) a(n + 1) + (n + 3) a(n + 2) + (-n^2 - 6 n - 7) a(n + 3) + (n + 1) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 5\}$$

Sequence: A007873
Score: 3.67950
Type of gen. func.: ogf

$$(6 x^{14} + 8 x^{12} - 6 x^{10} + 4 x^9 + 2 x^8 + 5 x^7 - 3 x^6 + 5 x^5 - 5 x^4 + 5 x^3 + 3 x^2 + x + 1) \Big/ ((x - 1) (2 x + 1) (2 x - 1) (x + 1) (4 x^2 + 1) (x^2 + 1) (x^4 + 1))$$

Sequence: A007877
Score: 11.7691
Type of gen. func.: ogf

$$-\frac{(x + 1)\, x}{(x - 1)\,(x^2 + 1)}$$

Sequence: A007877
Score: 23.0708
Type of gen. func.: ogf_with_Euler_transform]

$$[x^3 - 2\, x + 2]$$

Sequence: A007877
Score: 27.6476
Type of gen. func.: lgdogf

$$-\frac{2\,(x^3 + x^2 - x + 1)}{(x - 1)\,(x + 1)\,(x^2 + 1)}$$

Sequence: A007877
Score: 5.98965
Type of gen. func.: ogf

$$-(2\, f(x) + 15)\,(f(x)\, x^3 - f(x)\, x^2 + f(x)\, x + x^2 - f(x) + x)$$

Sequence: A007877
Score: 6.04360
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) + a(n + 1) - a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 2\}$$

Sequence: A007890
Score: 3.57037
Type of gen. func.: ogf

$$(9899010 x^{12} - 9900990 x^{11} - 100010 x^{10} - 13997020 x^{9} + 98010 x^{8} - 99990 x^{7} - 1010 x^{6} - 129990 x^{5} - 20 x^{4} - 1190 x^{3} - 10 x^{2} - 10 x - 1)/(x - 1)$$

Sequence: A007891
Score: 8.27620
Type of gen. func.: ogf

$$-\frac{x^{5} - x^{4} + x^{3} - 3 x^{2} + 3 x + 1}{(x^{2} + x + 1)^{2} (x - 1)^{3}}$$

Sequence: A007891
Score: 9.99495
Type of gen. func.: lgdogf

$$-\frac{2 (x^{7} - x^{6} + 2 x^{5} - 5 x^{4} + 6 x^{3} + 5 x^{2} - x + 2)}{(x - 1) (x^{2} + x + 1) (x^{5} - x^{4} + x^{3} - 3 x^{2} + 3 x + 1)}$$

Sequence: A007892
Score: 6.30145
Type of gen. func.: lgdogf

$$-(8 x^{10} - 5 x^{9} - 3 x^{8} + 5 x^{7} - 23 x^{6} + 9 x^{5} + 17 x^{4} + 13 x^{3} - 15 x^{2} + 14 x + 4) \Big/ ((x - 1) (x + 1) (x^{2} + 1) (4 x^{7} - 3 x^{6} - x^{5} + x^{4} - 8 x^{3} + 5 x^{2} + 3 x + 1))$$

Sequence: A007892
Score: 7.03386
Type of gen. func.: ogf

$$-\frac{4 x^{7} - 3 x^{6} - x^{5} + x^{4} - 8 x^{3} + 5 x^{2} + 3 x + 1}{(x + 1)^{2} (x^{2} + 1)^{2} (x - 1)^{3}}$$

Sequence: A007893
Score: 6.16035
Type of gen. func.: ogf

$$-\frac{9x^9 - 5x^8 - 3x^7 - x^6 + x^5 - 15x^4 + 7x^3 + 5x^2 + 3x + 1}{(x^4 + x^3 + x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A007899
Score: 11.5023
Type of gen. func.: ogf

$$-\frac{x^4 + 10x^3 + 20x^2 + 10x + 1}{(x + 1)(x - 1)^3}$$

Sequence: A007899
Score: 4.40280
Type of gen. func.: ogf

$$\{(-n^2 + n)\,a(n) + (n^2 + 7n + 30)\,a(n + 1) + (n^2 - n + 18)\,a(n + 2)$$

$$+ (-n^2 - 7n - 12)\,a(n + 3),\ a(0) = 1,\ a(1) = 12,\ a(2) = 44\}$$

Sequence: A007899
Score: 6.9711
Type of gen. func.: ogf

$$(37 f(x) + 31)$$

$$(f(x)\,x^4 - 2 f(x)\,x^3 + x^4 + 10x^3 + 2 f(x)\,x + 20x^2 - f(x) + 10x + 1)$$

Sequence: A007899
Score: 9.02730
Type of gen. func.: lgdogf

$$-\frac{4(3x^4 + 16x^3 + 25x^2 + 16x + 3)}{}$$

$$(x - 1) (x + 1) (x^4 + 10 x^3 + 20 x^2 + 10 x + 1)$$

Sequence: A007900
Score: 10.4137
Type of gen. func.: lgdogf

$$- \frac{24 (x + 1) (x^2 + 6 x + 1)}{(x - 1) (x^4 + 20 x^3 + 54 x^2 + 20 x + 1)}$$

Sequence: A007900
Score: 3.71489
Type of gen. func.: ogf

$$-(35 f(x) + 718) (f(x) x^4 - 4 f(x) x^3 - x^4 + 6 f(x) x^2 - 20 x^3 - 4 f(x) x - 54 x^2 + f(x) - 20 x - 1)$$

Sequence: A007900
Score: 6.54327
Type of gen. func.: ogf

$$\frac{x^4 + 20 x^3 + 54 x^2 + 20 x + 1}{(x - 1)^4}$$

Sequence: A007904
Score: 6.85878
Type of gen. func.: ogf

$$\frac{x^4 + 2 x^3 + 4 x^2 + 2 x + 1}{(x + 1) (x - 1)^4}$$

Sequence: A007904
Score: 9.03670
Type of gen. func.: lgdogf

$$-\frac{x^5+7x^4+22x^3+26x^2+19x+5}{(x-1)(x+1)(x^4+2x^3+4x^2+2x+1)}$$

Sequence: A007907
Score: 10.1875
Type of gen. func.: lgdogf

$$-\frac{400x^3-330x^2+11}{(x-1)(10x-1)(10x^2-1)}$$

Sequence: A007907
Score: 11.6701
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(10x-1)(10x^2-1)}$$

Sequence: A007907
Score: 3.63070
Type of gen. func.: ogf

$\{a(n+4)-11\,a(n+3)+110\,a(n+1)-100\,a(n),\ a(0)=1,\ a(1)=11,$

$a(2)=121,\ a(3)=1221\}$

Sequence: A007907
Score: 4.29953
Type of gen. func.: ogf

$$(1122211\,f(x)-46400)\,(100\,f(x)\,x^4-110\,f(x)\,x^3+11\,f(x)\,x-f(x)+1)$$

Sequence: A007908
Score: 6.45342
Type of gen. func.: lgdogf

2 3 2

$$144 - 720 x + 900 x + (600 x - 900 x + 324 x - 24) f(x)$$

$$+ (100 x^4 - 220 x^3 + 141 x^2 - 22 x + 1) f(x)^2$$

Sequence: A007909
Score: 14.9593
Type of gen. func.: ogf

$$\frac{x - 1}{(2 x - 1) (x^2 + 1)}$$

Sequence: A007909
Score: 18.1075
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 7 x^2 + 2 x - 1}{(x - 1) (2 x - 1) (x^2 + 1)}$$

Sequence: A007909
Score: 7.07896
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1) + 2 a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A007909
Score: 7.6975
Type of gen. func.: ogf

$$(3 f(x) - 4) (2 f(x) x^3 - f(x) x^2 + 2 f(x) x - f(x) - x + 1)$$

Sequence: A007910
Score: 21.0629
Type of gen. func.: ogf

$$- \frac{1}{(2 x - 1) (x^2 + 1)}$$

Sequence: A007910
Score: 25.5073
Type of gen. func.: lgdogf

$$-\frac{2(3x^2-x+1)}{(2x-1)(x^2+1)}$$

Sequence: A007910
Score: 6.95827
Type of gen. func.: ogf

$$\{a(n+3)-2a(n+2)+a(n+1)-2a(n), a(0)=1, a(1)=2, a(2)=3\}$$

Sequence: A007910
Score: 7.42215
Type of gen. func.: ogf

$$-(13f(x)+20)(2f(x)x^3-f(x)x^2+2f(x)x-f(x)+1)$$

Sequence: A007911
Score: 5.59250
Type of gen. func.: ogf

$$\{(n^2+8n+16)a(n+1)+a(n+2)+(-n-3)a(n+3), a(0)=1, a(1)=1, a(2)=5\}$$

Sequence: A007915
Score: 8.97831
Type of gen. func.: ogf_with_Euler_transform]

$$-x^7+x^6+2$$

Sequence: A007928
Score: 6.71695
Type of gen. func.: lgdogf

$$(3 x^{25} - 5 x^{24} + 10 x^{20} - 10 x^{19} + 24 x^{15} - 20 x^{14} + 20 x^{10} - 10 x^{9} + 8 x^{5} + 4) / ((x - 1) (x^{15} - x^{10} - 2 x^{5} - 2) (x^{2} + x + 1) (x^{8} - x^{7} + x^{5} - x^{4} + x^{3} - x + 1))$$

Sequence: A007928
Score: 7.62225
Type of gen. func.: ogf

$$- \frac{x (x^{15} - x^{10} - 2 x^{5} - 2)}{(x^{2} + x + 1) (x^{8} - x^{7} + x^{5} - x^{4} + x^{3} - x + 1) (x - 1)^{2}}$$

Sequence: A007929
Score: 5.33392
Type of gen. func.: lgdogf

$$- \frac{9 x^{9} + 5 x^{8} + x^{7} - 3 x^{6} - 7 x^{5} - 89 x^{4} - 35 x^{3} - 31 x^{2} - 27 x - 23}{(x - 1) (x^{4} + x^{3} + x^{2} + x + 1) (9 x^{5} - 2 x^{4} - 2 x^{3} - 2 x^{2} - 2 x - 21)}$$

Sequence: A007929
Score: 7.43469
Type of gen. func.: ogf

$$- \frac{9 x^{5} - 2 x^{4} - 2 x^{3} - 2 x^{2} - 2 x - 21}{(x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A007945
Score: 10.7755
Type of gen. func.: ogf

$$\frac{2 x^{2} + x - 2}{(x - 1) (x^{2} - x + 1)}$$

Sequence: A007945
Score: 15.2218
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 2 x^3 - 12 x^2 + 12 x - 3}{(x - 1) (x^2 - x + 1) (2 x^2 + x - 2)}$$

Sequence: A007945
Score: 5.81685
Type of gen. func.: ogf

$$(23 f(x) + 16) (f(x) x^3 - 2 f(x) x^2 + 2 f(x) x - 2 x^2 - f(x) - x + 2)$$

Sequence: A007945
Score: 5.92166
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 2, a(1) = 3, a(2) = 0\}$$

Sequence: A007946
Score: 4.97090
Type of gen. func.: ogf

$$\{(-4 n^2 - 26 n - 40) a(n + 1) + (n^2 + 7 n + 10) a(n + 2), a(0) = 2, a(1) = 9\}$$

Sequence: A007946
Score: 9.77429
Type of gen. func.: ogf

$$4 f(x)^2 x^4 - f(x)^2 x^3 + 4 f(x) x - f(x) + x + 2$$

Sequence: A007953
Score: 7.65481
Type of gen. func.: ogf

$$-\frac{x\,(8x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)}{(x+1)\,(x^4+x^3+x^2+x+1)\,(x^4-x^3+x^2-x+1)\,(x-1)^2}$$

Sequence: A007958
Score: 5.61565
Type of gen. func.: ogf

$$-\frac{2\,(5x^{21}-5x^{20}+5x^{16}-5x^{15}+5x^{11}-5x^{10}+5x^6-5x^5+4x-5)}{(x-1)^2}$$

Sequence: A007971
Score: 14.8897
Type of gen. func.: ogf

$$-3x^2-2x+2f(x)-f(x)^2$$

Sequence: A007971
Score: 23.5655
Type of gen. func.: revogf

$$-1/3+\frac{(-3x^2+6x+1)^{1/2}}{3}$$

Sequence: A007972
Score: 8.67685
Type of gen. func.: ogf

$$-\frac{x^4-x^3-3x^2+5x+2}{(x-1)^5}$$

Sequence: A007975
Score: 5.57490
Type of gen. func.: ogf

$$-\frac{2x^6+4x^5+15x^4-75x^3+46x^2+41x+2}{(x-1)^7}$$

Sequence: A007979
Score: 17.3981
Type of gen. func.: ogf_with_Euler_transform]

$$-x^7+x^2+2x+2$$

Sequence: A007979
Score: 5.81264
Type of gen. func.: lgdogf

$$-\frac{x^9+3x^8+9x^7+13x^6+17x^5+13x^4+17x^3+13x^2+8x+2}{(x-1)(x+1)(x^2+1)(x^2+x+1)(x^4+1)}$$

Sequence: A007979
Score: 6.49862
Type of gen. func.: ogf

$$\frac{(x^2+1)(x^4+1)}{(x+1)(x^2+x+1)(x-1)^4}$$

Sequence: A007980
Score: 11.5246
Type of gen. func.: ogf

$$-\frac{x^2+1}{(x^2+x+1)(x-1)^3}$$

Sequence: A007980
Score: 17.9391
Type of gen. func.: lgdogf

$$-\frac{(x^2 + 2)\,(3\,x^2 + 2\,x + 1)}{(x - 1)\,(x^2 + 1)\,(x^2 + x + 1)}$$

Sequence: A007980
Score: 25.3798
Type of gen. func.: ogf_with_Euler_transform]

$$-x^3 + x^2 + x + 2$$

Sequence: A007981
Score: 7.35541
Type of gen. func.: ogf

$$-\frac{x^7\,(x^3 - x - 1)}{(x + 1)^2\,(x^2 + x + 1)\,(x - 1)^4}$$

Sequence: A007982
Score: 5.45214
Type of gen. func.: ogf

$$-\frac{x^2\,(x^8 + x^7 - x^6 - x^5 + 2\,x^4 + 2\,x^3 - 3\,x - 2)}{(x + 1)^2\,(x^2 + x + 1)\,(x - 1)^4}$$

Sequence: A007983
Score: 7.50349
Type of gen. func.: ogf

$$-\frac{x^2\,(x^4 - x - 1)}{(x + 1)^2\,(x^2 + x + 1)\,(x - 1)^4}$$

Sequence: A007985
Score: 4.44294

Type of gen. func.: ogf

$$9 f(x)^2 x^4 - 3 f(x)^2 x^3 + 3 f(x)^2 x^2 + 18 f(x) x^3 - f(x)^2 x - 6 f(x) x^2 + 6 f(x) x + 8 x^2 - 2 f(x) - 4 x + 4$$

Sequence: A007986
Score: 4.847
Type of gen. func.: ogf

$$-(23382 f(x) - 89429) (121 f(x) x^3 - 11 f(x) x^2 + 11 f(x) x + 132 x^2 - f(x) - 10 x + 2)$$

Sequence: A007986
Score: 5.29504
Type of gen. func.: ogf

$$\{a(n + 3) - 11 a(n + 2) + 11 a(n + 1) - 121 a(n), a(0) = 2, a(1) = 12, a(2) = 242\}$$

Sequence: A007986
Score: 9.26632
Type of gen. func.: ogf

$$- \frac{2 (66 x^2 - 5 x + 1)}{(11 x - 1) (11 x^2 + 1)}$$

Sequence: A007988
Score: 6.82007
Type of gen. func.: ogf

$$\frac{x^4 - x^3 - x^2 + 2}{(x + 1)^2 (x^2 + x + 1) (x - 1)^4}$$

Sequence: A007988

Score: 9.67974
Type of gen. func.: lgdogf

$$-\frac{2\,(2x^7-3x^5-4x^4+5x^3+6x^2+5x+1)}{(x-1)(x+1)(x^2+x+1)(x^4-x^3-x^2+2)}$$

Sequence: A007993
Score: 6.21413
Type of gen. func.: ogf

$$-\frac{3x^5-12x^4+18x^3-13x^2+6x-3}{(x-1)^6}$$

Sequence: A007993
Score: 9.33872
Type of gen. func.: lgdogf

$$-\frac{3x^5-9x^4+6x^3+2x^2+4x-12}{(x-1)(3x^5-12x^4+18x^3-13x^2+6x-3)}$$

Sequence: A007997
Score: 10.4878
Type of gen. func.: ogf

$$-\frac{x^2\,(x^2-x+1)}{(x^2+x+1)(x-1)^3}$$

Sequence: A007997
Score: 16.9847
Type of gen. func.: lgdogf

$$-\frac{3x^4-2x^3+5x^2+2x+1}{(x-1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A007997
Score: 26.9075
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + 2 x^2 + x + 1$$

Sequence: A007997
Score: 4.24505
Type of gen. func.: ogf

$$\{(-n^2 - 5 n - 8) a(n + 1) + (-2 n - 4) a(n + 2) + (-2 n - 4) a(n + 3) + (n^2 + 3 n + 4) a(n + 4), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 1\}$$

Sequence: A007997
Score: 5.75136
Type of gen. func.: ogf

$$(f(x) + 1) (f(x) x^5 - 2 f(x) x^4 + f(x) x^3 + x^4 - f(x) x^2 - x^3 + 2 f(x) x + x^2 - f(x))$$

Sequence: A008000
Score: 7.01448
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^6 + 2 x^5 + 4 x^4 + 5 x^3 + 4 x^2 + 2 x + 1)}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A008000
Score: 7.38724
Type of gen. func.: lgdogf

$$-\frac{(x^2 + 1) (4 x^6 + 16 x^5 + 39 x^4 + 53 x^3 + 39 x^2 + 16 x + 4)}{(x - 1) (x + 1) (x^2 + x + 1) (x^6 + 2 x^5 + 4 x^4 + 5 x^3 + 4 x^2 + 2 x + 1)}$$

Sequence: A008013
Score: 5.16160
Type of gen. func.: ogf

$$-\frac{(x^8+3x^6+5x^4+3x^2+1)(x+1)^3}{(x^4+x^3+x^2+x+1)^2(x-1)^3}$$

Sequence: A008014
Score: 5.03493
Type of gen. func.: ogf

$$-\frac{(x^2+x+1)(x^2-x+1)(x^8+2x^7+3x^6+x^5+x^3+3x^2+2x+1)}{(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x-1)^3}$$

Sequence: A008039
Score: 4.39434
Type of gen. func.: ogf

$$-(x^{10}+x^9+4x^8+3x^7+6x^6+6x^5+6x^4+3x^3+4x^2+x+1)(x+1)^3 \Big/ \left((x^2+x+1)(x^4+x^3+x^2+x+1)^2(x-1)^3\right)$$

Sequence: A008066
Score: 5.00040
Type of gen. func.: ogf

$$-\frac{(x+1)(x^8+x^7+2x^6+3x^5+3x^4+3x^3+2x^2+x+1)}{(x^2+1)(x^4+x^3+x^2+x+1)(x-1)^3}$$

Sequence: A008084
Score: 6.11242
Type of gen. func.: ogf

$$(x^4-x^3+3x^2-x+1)(x+1)^3$$

$$- \frac{}{(x^2 + 1)(x^2 + x + 1)(x - 1)^3}$$

Sequence: A008084
Score: 7.74240
Type of gen. func.: lgdogf

$$- \frac{4 x^8 + 2 x^7 + 25 x^6 + 4 x^5 + 38 x^4 + 4 x^3 + 25 x^2 + 2 x + 4}{(x - 1)(x + 1)(x^2 + 1)(x^2 + x + 1)(x^4 - x^3 + 3 x^2 - x + 1)}$$

Sequence: A008085
Score: 5.41968
Type of gen. func.: ogf

$$- \frac{4 x^9 - 8 x^8 + 5 x^7 - 2 x^6 + 10 x^5 + 3 x^4 + 7 x^3 + 2 x^2 + 2 x + 1}{(x^2 + 1)(x^2 + x + 1)(x - 1)^3}$$

Sequence: A008105
Score: 4.39670
Type of gen. func.: ogf

$$- \frac{(x + 1)(x^2 + 1)(x^8 + x^5 + x^4 + x^3 + 1)}{(x^2 - x + 1)(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^3}$$

Sequence: A008123
Score: 20.0169
Type of gen. func.: ogf_with_Euler_transform]

$$x^6 - 2 x^5 + x^2 - x + 4$$

Sequence: A008123
Score: 6.20350
Type of gen. func.: ogf

2 2 2 3

$$-\frac{(x + x + 1)\,(x - x + 1)\,(x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\,(x - 1)^3}$$

Sequence: A008123
Score: 6.32421
Type of gen. func.: lgdogf

$$-(4 x^{10} + 6 x^9 + 13 x^8 + 15 x^7 + 19 x^6 + 12 x^5 + 19 x^4 + 15 x^3 + 13 x^2 + 6 x + 4) \Big/ \left((x - 1)(x + 1)(x^2 + x + 1)(x^2 - x + 1)(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\right)$$

Sequence: A008130
Score: 15.7109
Type of gen. func.: lgdogf

$$-\frac{2\,(3 x^3 + 4 x^2 + x + 1)}{(x - 1)(x + 1)(x^2 + x + 1)}$$

Sequence: A008130
Score: 26.4219
Type of gen. func.: ogf_with_Euler_transform]

$$2 x^2 - x + 2$$

Sequence: A008130
Score: 8.62088
Type of gen. func.: ogf

$$-\frac{x^3\,(x + 1)}{(x^2 + x + 1)^2\,(x - 1)^3}$$

Sequence: A008133

Score: 12.9223
Type of gen. func.: ogf

$$-\frac{x^3 (x^2 + 1)}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A008133
Score: 20.6413
Type of gen. func.: lgdogf

$$-\frac{5 x^4 + x^3 + 8 x^2 + 3 x + 1}{(x - 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A008133
Score: 30.0480
Type of gen. func.: ogf_with_Euler_transform]

$$-x^3 + 2 x^2 + x + 1$$

Sequence: A008137
Score: 16.7489
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^4 - x^3 + x^2 - x + 4$$

Sequence: A008137
Score: 7.05185
Type of gen. func.: ogf

$$-\frac{(x^2 + 1) (x^2 - x + 1) (x + 1)^3}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A008137
Score: 8.01484
Type of gen. func.: lgdogf

$$-\frac{4x^8+2x^7+11x^6+4x^5+18x^4+4x^3+11x^2+2x+4}{(x-1)(x+1)(x^2-x+1)(x^4+x^3+x^2+x+1)(x^2+1)}$$

Sequence: A008160
Score: 5.48979
Type of gen. func.: ogf

$$-\frac{(x^6+2x^4+x^3+2x^2+1)(x+1)^3}{(x^2+x+1)(x^4+x^3+x^2+x+1)(x-1)^3}$$

Sequence: A008217
Score: 17.1067
Type of gen. func.: lgdogf

$$-\frac{6x^5-5x^4+6x^3+4x^2+1}{(x-1)(x+1)(x^2+1)(x^2-x+1)}$$

Sequence: A008217
Score: 26.7282
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5+2x^3+x^2+1$$

Sequence: A008217
Score: 9.82363
Type of gen. func.: ogf

$$-\frac{x^4(x^2-x+1)}{(x+1)(x^2+1)^2(x-1)^3}$$

Sequence: A008218
Score: 7.84748

Type of gen. func.: ogf

$$\frac{x^4 (x^6 + x^4 + 2 x^3 + x^2 + 1)}{(x + 1)^3 (x^2 + 1)^3 (x - 1)^4}$$

Sequence: A008218
Score: 9.41698
Type of gen. func.: lgdogf

$$- \frac{7 x^9 + x^8 + 10 x^7 + 22 x^6 + 20 x^5 + 4 x^4 + 20 x^3 + 8 x^2 + 3 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^6 + x^4 + 2 x^3 + x^2 + 1)}$$

Sequence: A008233
Score: 5.28175
Type of gen. func.: ogf

$$- \frac{x^4 (x^6 + x^4 + 2 x^3 + x^2 + 1)}{(x + 1)^3 (x^2 + 1)^3 (x - 1)^5}$$

Sequence: A008233
Score: 8.05337
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^9 + x^8 + 6 x^7 + 13 x^6 + 12 x^5 + 4 x^4 + 12 x^3 + 5 x^2 + 2 x + 1)}{(x - 1) (x + 1) (x^2 + 1) (x^6 + x^4 + 2 x^3 + x^2 + 1)}$$

Sequence: A008238
Score: 18.4782
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^3 + x^2 + 1)}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A008238
Score: 22.8335
Type of gen. func.: ogf_with_Euler_transform]

$$[2 x^{3} - x + 2]$$

Sequence: A008238
Score: 8.63918
Type of gen. func.: ogf

$$- \frac{x^{4}}{(x + 1) (x^{2} + 1)^{2} (x - 1)^{3}}$$

Sequence: A008239
Score: 4.92698
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^{4} + x^{3} - x^{2} + x + 1) (x^{2} + 1)^{2}}{(x^{2} + x + 1) (x^{4} + 1) (x - 1)^{3}}$$

Sequence: A008249
Score: 5.21634
Type of gen. func.: ogf

$$(x^{11} + x^{10} + x^{9} - x^{8} - 6 x^{7} - 12 x^{6} - 15 x^{5} - 16 x^{4} - 10 x^{3} - 7 x^{2} - 3 x - 1) \Big/ ((x + 1) (x^{2} + 1) (x^{2} + x + 1) (x - 1)^{3})$$

Sequence: A008250
Score: 5.21634
Type of gen. func.: ogf

$$(x^{11} + x^{10} + 3 x^{9} - 3 x^{8} - 8 x^{7} - 12 x^{6} - 13 x^{5} - 14 x^{4} - 12 x^{3} - 7 x^{2} - 3 x - 1) \Big/ ((x + 1) (x^{2} + 1) (x^{2} + x + 1) (x - 1)^{3})$$

Sequence: A008253
Score: 10.7589
Type of gen. func.: ogf

$$-\frac{x^4 + 2x^3 + 4x^2 + 2x + 1}{(x + 1)(x - 1)^3}$$

Sequence: A008253
Score: 13.5492
Type of gen. func.: lgdogf

$$-\frac{4(x^2 + x + 1)(x^2 + 3x + 1)}{(x - 1)(x + 1)(x^4 + 2x^3 + 4x^2 + 2x + 1)}$$

Sequence: A008253
Score: 6.52313
Type of gen. func.: ogf

$$(f(x) - 5)(f(x)x^4 - 2f(x)x^3 + x^4 + 2x^3 + 2f(x)x + 4x^2 - f(x) + 2x + 1)$$

Sequence: A008254
Score: 6.12458
Type of gen. func.: ogf

$$-\frac{(x + 1)(2x^8 - 4x^7 + 3x^6 + 8x^4 + 4x^3 + 4x^2 + 2x + 1)}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A008255
Score: 10.3232
Type of gen. func.: lgdogf

$$-\frac{2(2x^6 + 4x^5 + 13x^4 + 7x^3 + 13x^2 + 4x + 2)}{}$$

2 4 2

$$(x - 1) (x + 1) (x + x + 1) (x + 3 x + 1)$$

Sequence: A008255
Score: 6.89659
Type of gen. func.: ogf

$$-\frac{(x^4 + 3x^2 + 1)(x + 1)^3}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A008258
Score: 6.06299
Type of gen. func.: ogf

$$-\frac{2x^9 - 2x^8 + x^7 - x^6 + 12x^5 + 10x^4 + 12x^3 + 6x^2 + 3x + 1}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A008259
Score: 6.92913
Type of gen. func.: ogf

$$-\frac{(x + 1)(x^6 + 2x^5 + 5x^4 + 6x^3 + 5x^2 + 2x + 1)}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A008259
Score: 7.42276
Type of gen. func.: lgdogf

$$-\frac{2(x^2 + 1)(2x^6 + 9x^5 + 23x^4 + 31x^3 + 23x^2 + 9x + 2)}{(x - 1)(x + 1)(x^2 + x + 1)(x^6 + 2x^5 + 5x^4 + 6x^3 + 5x^2 + 2x + 1)}$$

Sequence: A008260
Score: 6.34023
Type of gen. func.: lgdogf

$$-(x^2+x+1)(4x^8+8x^7+15x^6+19x^5+18x^4+19x^3+15x^2+8x+4) \bigg/ ((x-1)(x+1)(x^4+x^3+x^2+x+1)(x^6+x^5+2x^4+3x^3+2x^2+x+1))$$

Sequence: A008260
Score: 7.01448
Type of gen. func.: ogf

$$-\frac{(x+1)(x^6+x^5+2x^4+3x^3+2x^2+x+1)}{(x^4+x^3+x^2+x+1)(x-1)^3}$$

Sequence: A008261
Score: 6.42702
Type of gen. func.: ogf

$$-\frac{2x^8-2x^7-x^6+3x^5+11x^4+14x^3+7x^2+3x+1}{(x+1)(x^2+x+1)(x-1)^3}$$

Sequence: A008264
Score: 7.59768
Type of gen. func.: lgdogf

$$-\frac{4x^8+16x^7+31x^6+50x^5+50x^4+50x^3+31x^2+16x+4}{(x-1)(x+1)(x^2+1)(x^2+x+1)(x^4+x^3+3x^2+x+1)}$$

Sequence: A008264
Score: 7.60034
Type of gen. func.: ogf

$$-\frac{(x^2+x+1)(x^4+x^3+3x^2+x+1)}{(x+1)(x^2+1)(x-1)^3}$$

Sequence: A008265
Score: 5.18595
Type of gen. func.: ogf

$$-(x+1)\left(x^{10}+2x^{9}+5x^{8}+6x^{7}+9x^{6}+11x^{5}+9x^{4}+6x^{3}+5x^{2}+2x+1\right) \Big/ \left(\left(x^{4}+x^{3}+x^{2}+x+1\right)^{2}(x-1)^{3}\right)$$

Sequence: A008266
Score: 6.07008
Type of gen. func.: lgdogf

$$-2\left(2x^{10}+5x^{9}+15x^{8}+25x^{7}+33x^{6}+38x^{5}+33x^{4}+25x^{3}+15x^{2}+5x+2\right) \Big/ \left((x-1)(x+1)\left(x^{2}+x+1\right)\left(x^{2}+1\right)\left(x^{6}+x^{5}+2x^{4}+3x^{3}+2x^{2}+x+1\right)\right)$$

Sequence: A008266
Score: 6.23277
Type of gen. func.: ogf

$$-\frac{(x+1)\left(x^{6}+x^{5}+2x^{4}+3x^{3}+2x^{2}+x+1\right)}{\left(x^{2}+1\right)\left(x^{2}+x+1\right)(x-1)^{3}}$$

Sequence: A008340
Score: 3.38469
Type of gen. func.: ogf

$$\left(x^{8}+232x^{7}+24508x^{6}+107224x^{5}+133510x^{4}+55384x^{3}+7228x^{2}+232x+1\right) \Big/ (x-1)^{8}$$

Sequence: A008343
Score: 5.75522
Type of gen. func.: ogf

$$-\frac{44 x^{24} + 46 x^{23} + 14 x^{9} + 16 x^{8} + 4 x^{4} + 6 x^{3} + x^{2} + x + 1}{(x - 1) (x + 1)^{2}}$$

Sequence: A008346
Score: 15.2491
Type of gen. func.: ogf

$$-\frac{1}{(x^{2} + x - 1) (x + 1)}$$

Sequence: A008346
Score: 21.2938
Type of gen. func.: lgdogf

$$-\frac{x (4 + 3 x)}{(x + 1) (x^{2} + x - 1)}$$

Sequence: A008346
Score: 6.06686
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 1) + a(n), a(0) = 1, a(1) = 0, a(2) = 2\}$$

Sequence: A008346
Score: 9.93269
Type of gen. func.: ogf

$$(33 f(x) + 31) (f(x) x^{3} + 2 f(x) x^{2} - f(x) + 1)$$

Sequence: A008349
Score: 3.02726
Type of gen. func.: ogf

$$-\left(x^8+232x^7+24508x^6+107224x^5+133510x^4+55384x^3+7228x^2+232x+1\right)\Big/(x-1)^9$$

Sequence: A008353
Score: 11.5982
Type of gen. func.: ogf

$$-\frac{8x^2-4x+1}{(4x-1)(2x-1)^2}$$

Sequence: A008353
Score: 6.19224
Type of gen. func.: ogf

$$-(17 f(x)-6)(16 f(x) x^3-20 f(x) x^2+8 f(x) x+8x^2-f(x)-4x+1)$$

Sequence: A008353
Score: 6.35379
Type of gen. func.: ogf

$$\{a(n+3)-8a(n+2)+20a(n+1)-16a(n), a(0)=1, a(1)=4, a(2)=20\}$$

Sequence: A008353
Score: 9.13356
Type of gen. func.: lgdogf

$$-\frac{4(16x^3-8x^2+4x-1)}{(2x-1)(4x-1)(8x^2-4x+1)}$$

Sequence: A008354
Score: 12.3478
Type of gen. func.: lgdogf

$$2(x^3+15x^2+27x+7)$$

$$- \frac{}{(x-1)(x+1)(x^2+8x+1)}$$

Sequence: A008354
Score: 4.58071
Type of gen. func.: ogf

$$\{(-n^2 - 4n - 4) a(n+1) + (2n^2 + 8n + 20) a(n+2) + (-n^2 - 4n - 4) a(n+3), a(0) = 0, a(1) = 1, a(2) = 14\}$$

Sequence: A008354
Score: 8.80905
Type of gen. func.: ogf

$$- \frac{x (x+1)(x^2+8x+1)}{(x-1)^5}$$

Sequence: A008355
Score: 5.23090
Type of gen. func.: ogf

$$- \frac{(x+1)(x^4+34x^3+146x^2+34x+1)}{(x-1)^5}$$

Sequence: A008355
Score: 7.95907
Type of gen. func.: lgdogf

$$- \frac{20 (2x+1)(2+x)(x^2+10x+1)}{(x-1)(x+1)(x^4+34x^3+146x^2+34x+1)}$$

Sequence: A008356
Score: 4.55161
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + 34 x^3 + 146 x^2 + 34 x + 1)}{(x - 1)^6}$$

Sequence: A008356
Score: 6.63770
Type of gen. func.: lgdogf

$$- \frac{x^5 + 75 x^4 + 680 x^3 + 1260 x^2 + 535 x + 41}{(x - 1) (x + 1) (x^4 + 34 x^3 + 146 x^2 + 34 x + 1)}$$

Sequence: A008357
Score: 4.13983
Type of gen. func.: ogf

$$\frac{x^6 + 54 x^5 + 447 x^4 + 852 x^3 + 447 x^2 + 54 x + 1}{(x - 1)^6}$$

Sequence: A008357
Score: 5.81299
Type of gen. func.: lgdogf

$$- \frac{12 (x + 1) (5 x^4 + 92 x^3 + 270 x^2 + 92 x + 5)}{(x - 1) (x^6 + 54 x^5 + 447 x^4 + 852 x^3 + 447 x^2 + 54 x + 1)}$$

Sequence: A008358
Score: 4.07385
Type of gen. func.: ogf

$$- \frac{x^6 + 54 x^5 + 447 x^4 + 852 x^3 + 447 x^2 + 54 x + 1}{(x - 1)^7}$$

Sequence: A008358
Score: 5.40174
Type of gen. func.: lgdogf

$$-\frac{x^6 + 114 x^5 + 1611 x^4 + 5196 x^3 + 4791 x^2 + 1218 x + 61}{(x - 1) (x^6 + 54 x^5 + 447 x^4 + 852 x^3 + 447 x^2 + 54 x + 1)}$$

Sequence: A008359
Score: 3.43274
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^6 + 76 x^5 + 855 x^4 + 2008 x^3 + 855 x^2 + 76 x + 1)}{(x - 1)^7}$$

Sequence: A008360
Score: 3.88959
Type of gen. func.: ogf

$$\frac{(x + 1) (x^6 + 76 x^5 + 855 x^4 + 2008 x^3 + 855 x^2 + 76 x + 1)}{(x - 1)^8}$$

Sequence: A008363
Score: 11.5513
Type of gen. func.: lgdogf

$$-\frac{2 (5 x^5 + 6 x^4 + x^3 + x^2 + x + 1)}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A008363
Score: 22.8641
Type of gen. func.: ogf_with_Euler_transform]

$$[2 x^4 - x + 2]$$

Sequence: A008363
Score: 8.42927
Type of gen. func.: ogf

$$-\frac{x^5 (x + 1)}{(x^4 + x^3 + x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A008376
Score: 3.99529
Type of gen. func.: ogf

$$-(x + 1) (x^8 + 134 x^7 + 2800 x^6 + 15386 x^5 + 27742 x^4 + 15386 x^3 + 2800 x^2 + 134 x + 1) / (x - 1)^9$$

Sequence: A008377
Score: 3.54932
Type of gen. func.: ogf

$$(x + 1) (x^8 + 134 x^7 + 2800 x^6 + 15386 x^5 + 27742 x^4 + 15386 x^3 + 2800 x^2 + 134 x + 1) / (x - 1)^{10}$$

Sequence: A008378
Score: 3.20365
Type of gen. func.: ogf

$$(x^{10} + 170 x^9 + 4685 x^8 + 38200 x^7 + 124850 x^6 + 183356 x^5 + 124850 x^4 + 38200 x^3 + 4685 x^2 + 170 x + 1) / (x - 1)^{10}$$

Sequence: A008379
Score: 5.26937
Type of gen. func.: ogf

10 9 8 7 6 5 4

$$- (x + 170 x + 4685 x + 38200 x + 124850 x + 183356 x + 124850 x$$

$$+ 38200 x^{3} + 4685 x^{2} + 170 x + 1) \Big/ (x - 1)^{11}$$

Sequence: A008383
Score: 14.6443
Type of gen. func.: lgdogf

$$- \frac{20 (x + 1) (x^{2} + 5 x + 1)}{(x - 1) (x^{4} + 16 x^{3} + 36 x^{2} + 16 x + 1)}$$

Sequence: A008383
Score: 5.19506
Type of gen. func.: ogf

$$-(14 f(x) + 187) (f(x) x^{4} - 4 f(x) x^{3} - x^{4} + 6 f(x) x^{2} - 16 x^{3} - 4 f(x) x$$

$$- 36 x^{2} + f(x) - 16 x - 1)$$

Sequence: A008383
Score: 5.75168
Type of gen. func.: ogf

$$\{-n^{2} a(n) + (2 n^{2} + 4 n + 22) a(n + 1) + (-n^{2} - 4 n - 4) a(n + 2), a(0) = 1,$$

$$a(1) = 20\}$$

Sequence: A008383
Score: 9.15040
Type of gen. func.: ogf

$$\frac{x^{4} + 16 x^{3} + 36 x^{2} + 16 x + 1}{(x - 1)^{4}}$$

Sequence: A008384
Score: 5.58274

Type of gen. func.: ogf

$$-\frac{x^4 + 16 x^3 + 36 x^2 + 16 x + 1}{(x - 1)^5}$$

Sequence: A008384
Score: 8.47502
Type of gen. func.: lgdogf

$$-\frac{x^4 + 36 x^3 + 156 x^2 + 136 x + 21}{(x - 1) (x^4 + 16 x^3 + 36 x^2 + 16 x + 1)}$$

Sequence: A008385
Score: 5.17551
Type of gen. func.: ogf

$\{-n^2 a(n) + (2 n^2 + 4 n + 32) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1,$

$a(1) = 30\}$

Sequence: A008385
Score: 6.64745
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^4 + 24 x^3 + 76 x^2 + 24 x + 1)}{(x - 1)^5}$$

Sequence: A008385
Score: 7.88555
Type of gen. func.: lgdogf

$$-\frac{30 (x^4 + 10 x^3 + 20 x^2 + 10 x + 1)}{(x - 1) (x + 1) (x^4 + 24 x^3 + 76 x^2 + 24 x + 1)}$$

Sequence: A008386
Score: 4.69192
Type of gen. func.: ogf

$$\frac{(x+1)(x^4+24x^3+76x^2+24x+1)}{(x-1)^6}$$

Sequence: A008386
Score: 7.02301
Type of gen. func.: lgdogf

$$-\frac{x^5+55x^4+400x^3+700x^2+325x+31}{(x-1)(x+1)(x^4+24x^3+76x^2+24x+1)}$$

Sequence: A008387
Score: 4.99830
Type of gen. func.: ogf

$$\{-n^2 a(n) + (2n^2+4n+44) a(n+1) + (-n^2-4n-4) a(n+2), a(0)=1,$$

$$a(1)=42\}$$

Sequence: A008387
Score: 5.46689
Type of gen. func.: ogf

$$\frac{x^6+36x^5+225x^4+400x^3+225x^2+36x+1}{(x-1)^6}$$

Sequence: A008387
Score: 5.83347
Type of gen. func.: lgdogf

$$-\frac{42(x+1)(x^4+14x^3+36x^2+14x+1)}{(x-1)(x^6+36x^5+225x^4+400x^3+225x^2+36x+1)}$$

Sequence: A008388
Score: 3.93653
Type of gen. func.: ogf

$$-\frac{x^6 + 36 x^5 + 225 x^4 + 400 x^3 + 225 x^2 + 36 x + 1}{(x - 1)^7}$$

Sequence: A008388
Score: 5.37513
Type of gen. func.: lgdogf

$$-\frac{x^6 + 78 x^5 + 855 x^4 + 2500 x^3 + 2325 x^2 + 666 x + 43}{(x - 1) (x^6 + 36 x^5 + 225 x^4 + 400 x^3 + 225 x^2 + 36 x + 1)}$$

Sequence: A008389
Score: 4.32064
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^6 + 48 x^5 + 393 x^4 + 832 x^3 + 393 x^2 + 48 x + 1)}{(x - 1)^7}$$

Sequence: A008389
Score: 4.59840
Type of gen. func.: ogf

$$\{-n^2 a(n) + (2 n^2 + 4 n + 58) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1,$$

$$a(1) = 56\}$$

Sequence: A008390
Score: 3.48231
Type of gen. func.: ogf

$$\frac{(x + 1) (x^6 + 48 x^5 + 393 x^4 + 832 x^3 + 393 x^2 + 48 x + 1)}{}$$

$$(x - 1)^{8}$$

Sequence: A008391
Score: 4.47266
Type of gen. func.: ogf

$$\frac{x^{8} + 64 x^{7} + 784 x^{6} + 3136 x^{5} + 4900 x^{4} + 3136 x^{3} + 784 x^{2} + 64 x + 1}{(x - 1)^{8}}$$

Sequence: A008391
Score: 5.39914
Type of gen. func.: ogf

$$\{-n^{2} a(n) + (2 n^{2} + 4 n + 74) a(n + 1) + (-n^{2} - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 72\}$$

Sequence: A008391
Score: 6.08891
Type of gen. func.: lgdogf

$$- 72 (x + 1) (x^{6} + 27 x^{5} + 169 x^{4} + 321 x^{3} + 169 x^{2} + 27 x + 1) / ((x - 1) (x^{8} + 64 x^{7} + 784 x^{6} + 3136 x^{5} + 4900 x^{4} + 3136 x^{3} + 784 x^{2} + 64 x + 1))$$

Sequence: A008393
Score: 3.17030
Type of gen. func.: ogf

$$- (x + 1) (x^{8} + 80 x^{7} + 1216 x^{6} + 5840 x^{5} + 10036 x^{4} + 5840 x^{3} + 1216 x^{2} + 80 x + 1) / (x - 1)^{9}$$

Sequence: A008393

Score: 4.41577
Type of gen. func.: ogf

$$\{-n^2 a(n) + (2 n^2 + 4 n + 92) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 90\}$$

Sequence: A008395
Score: 4.65833
Type of gen. func.: ogf

$$\{-n^2 a(n) + (2 n^2 + 4 n + 112) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 110\}$$

Sequence: A008395
Score: 4.82834
Type of gen. func.: ogf

$$(x^{10} + 100 x^9 + 2025 x^8 + 14400 x^7 + 44100 x^6 + 63504 x^5 + 44100 x^4 + 14400 x^3 + 2025 x^2 + 100 x + 1) / (x - 1)^{10}$$

Sequence: A008397
Score: 3.25027
Type of gen. func.: ogf

$$-\frac{x^7 + 119 x^6 + 2037 x^5 + 8787 x^4 + 8211 x^3 + 2037 x^2 + 119 x + 1}{(x - 1)^7}$$

Sequence: A008398
Score: 3.16216
Type of gen. func.: ogf

$$\frac{x^7 + 119 x^6 + 2037 x^5 + 8787 x^4 + 8211 x^3 + 2037 x^2 + 119 x + 1}{(x - 1)^8}$$

Sequence: A008399
Score: 6.08202
Type of gen. func.: ogf

$$\frac{x^{6} + 66 x^{5} + 645 x^{4} + 1384 x^{3} + 645 x^{2} + 66 x + 1}{(x - 1)^{6}}$$

Sequence: A008399
Score: 6.09078
Type of gen. func.: lgdogf

$$- \frac{36 (x + 1) (x^{2} + 4 x + 1) (2 x^{2} + 35 x + 2)}{(x - 1) (x^{6} + 66 x^{5} + 645 x^{4} + 1384 x^{3} + 645 x^{2} + 66 x + 1)}$$

Sequence: A008400
Score: 3.85260
Type of gen. func.: ogf

$$- \frac{x^{6} + 66 x^{5} + 645 x^{4} + 1384 x^{3} + 645 x^{2} + 66 x + 1}{(x - 1)^{7}}$$

Sequence: A008400
Score: 5.09112
Type of gen. func.: lgdogf

$$- \frac{x^{6} + 138 x^{5} + 2265 x^{4} + 8116 x^{3} + 7377 x^{2} + 1686 x + 73}{(x - 1) (x^{6} + 66 x^{5} + 645 x^{4} + 1384 x^{3} + 645 x^{2} + 66 x + 1)}$$

Sequence: A008401
Score: 4.13204
Type of gen. func.: ogf

$$\frac{x^{6} + 48 x^{5} + 519 x^{4} + 1024 x^{3} + 519 x^{2} + 48 x + 1}{{}^{6}}$$

$$(x - 1)$$

Sequence: A008401
Score: 5.78324
Type of gen. func.: lgdogf

$$-\frac{18 (x + 1) (3 x^4 + 68 x^3 + 218 x^2 + 68 x + 3)}{(x - 1) (x^6 + 48 x^5 + 519 x^4 + 1024 x^3 + 519 x^2 + 48 x + 1)}$$

Sequence: A008402
Score: 3.78541
Type of gen. func.: ogf

$$-\frac{x^6 + 48 x^5 + 519 x^4 + 1024 x^3 + 519 x^2 + 48 x + 1}{(x - 1)^7}$$

Sequence: A008402
Score: 5.00021
Type of gen. func.: lgdogf

$$-\frac{x^6 + 102 x^5 + 1797 x^4 + 6172 x^3 + 5667 x^2 + 1326 x + 55}{(x - 1) (x^6 + 48 x^5 + 519 x^4 + 1024 x^3 + 519 x^2 + 48 x + 1)}$$

Sequence: A008405
Score: 33.6923
Type of gen. func.: lgdegf]

$$-\frac{\ln(x + 1) - 1}{(x + 1)^2}$$

Sequence: A008412
Score: 35.2495
Type of gen. func.: ogf_with_Euler_transform]

$$[8 - 4 x]$$

Sequence: A008412
Score: 39.8560
Type of gen. func.: lgdogf

$$-\frac{8}{(x-1)(x+1)}$$

Sequence: A008412
Score: 5.00473
Type of gen. func.: ogf

$$-(f(x)+1)(f(x)x^4-4f(x)x^3-x^4+6f(x)x^2-4x^3-4f(x)x-6x^2+f(x)-4x-1)$$

Sequence: A008412
Score: 7.03496
Type of gen. func.: ogf

$$\{(n+2)a(n+2)-8a(n+1)-na(n),\ a(0)=1,\ a(1)=8\}$$

Sequence: A008412
Score: 8.77301
Type of gen. func.: ogf

$$\frac{(x+1)^4}{(x-1)^4}$$

Sequence: A008413
Score: 3.92625
Type of gen. func.: ogf

$$-(f(x)-1)(f(x)x^5-5f(x)x^4+x^5+10f(x)x^3+5x^4-10f(x)x^2+10x^3+5f(x)x+10x^2-f(x)+5x+1)$$

Sequence: A008413
Score: 31.6643
Type of gen. func.: ogf_with_Euler_transform]

[10 - 5 x]

Sequence: A008413
Score: 37.2648
Type of gen. func.: lgdogf

$$-\frac{10}{(x - 1)(x + 1)}$$

Sequence: A008413
Score: 6.50740
Type of gen. func.: ogf

{(n + 2) a(n + 2) - 10 a(n + 1) - n a(n), a(0) = 1, a(1) = 10}

Sequence: A008413
Score: 6.69332
Type of gen. func.: ogf

$$-\frac{(x + 1)^{5}}{(x - 1)^{5}}$$

Sequence: A008414
Score: 30.3057
Type of gen. func.: ogf_with_Euler_transform]

[12 - 6 x]

Sequence: A008414
Score: 37.1331
Type of gen. func.: lgdogf

$$-\frac{12}{(x - 1)(x + 1)}$$

Sequence: A008414
Score: 5.47511
Type of gen. func.: ogf

$$\frac{(x+1)^6}{(x-1)^6}$$

Sequence: A008414
Score: 6.23554
Type of gen. func.: ogf

$$\{(n + 2)\ a(n + 2) - 12\ a(n + 1) - n\ a(n),\ a(0) = 1,\ a(1) = 12\}$$

Sequence: A008415
Score: 29.6625
Type of gen. func.: ogf_with_Euler_transform]

$$[14 - 7 x]$$

Sequence: A008415
Score: 33.4755
Type of gen. func.: lgdogf

$$-\frac{14}{(x-1)\ (x+1)}$$

Sequence: A008415
Score: 4.67926
Type of gen. func.: ogf

$$-\frac{(x+1)^7}{(x-1)^7}$$

Sequence: A008415

Score: 6.10904
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 14 a(n + 1) - n a(n), a(0) = 1, a(1) = 14\}$$

Sequence: A008416
Score: 30.0634
Type of gen. func.: ogf_with_Euler_transform]

$$[16 - 8 x]$$

Sequence: A008416
Score: 35.8060
Type of gen. func.: lgdogf

$$-\frac{16}{(x - 1) (x + 1)}$$

Sequence: A008416
Score: 4.20790
Type of gen. func.: ogf

$$\frac{(x + 1)^{8}}{(x - 1)^{8}}$$

Sequence: A008416
Score: 6.19496
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 16 a(n + 1) - n a(n), a(0) = 1, a(1) = 16\}$$

Sequence: A008417
Score: 39.7322
Type of gen. func.: ogf_with_Euler_transform]

$$[17 - 8 x]$$

Sequence: A008417
Score: 45.7263
Type of gen. func.: lgdogf

$$-\frac{17 + x}{(x - 1)\,(x + 1)}$$

Sequence: A008417
Score: 5.19138
Type of gen. func.: ogf

$$-\frac{(x + 1)^{8}}{(x - 1)^{9}}$$

Sequence: A008417
Score: 6.39518
Type of gen. func.: ogf

{(-n - 3) a(n + 3) + 17 a(n + 2) + (n + 2) a(n + 1), a(0) = 1, a(1) = 17,

a(2) = 145}

Sequence: A008418
Score: 28.3135
Type of gen. func.: ogf_with_Euler_transform]

[18 - 9 x]

Sequence: A008418
Score: 3.48564
Type of gen. func.: ogf

$$-\frac{(x + 1)^{9}}{(x - 1)^{9}}$$

Sequence: A008418
Score: 33.3146
Type of gen. func.: lgdogf

$$-18 + (-x^2 + 1) f(x)$$

Sequence: A008418
Score: 5.84167
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 18 a(n + 1) - n a(n), a(0) = 1, a(1) = 18\}$$

Sequence: A008419
Score: 3.78349
Type of gen. func.: ogf

$$\frac{(x + 1)^{9}}{(x - 1)^{10}}$$

Sequence: A008419
Score: 33.3215
Type of gen. func.: ogf_with_Euler_transform]

$$[19 - 9 x]$$

Sequence: A008419
Score: 38.3358
Type of gen. func.: lgdogf

$$- \frac{19 + x}{(x - 1) (x + 1)}$$

Sequence: A008419
Score: 5.37365
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 3) + 19 a(n + 2) + (n + 2) a(n + 1), a(0) = 1, a(1) = 19,$$

$$a(2) = 181\}$$

Sequence: A008420
Score: 26.5835
Type of gen. func.: ogf_with_Euler_transform]

[20 - 10 x]

Sequence: A008420
Score: 32.0689
Type of gen. func.: lgdogf

$$-\frac{20}{(x - 1)\,(x + 1)}$$

Sequence: A008420
Score: 5.73815
Type of gen. func.: ogf

{(n + 2) a(n + 2) - 20 a(n + 1) - n a(n), a(0) = 1, a(1) = 20}

Sequence: A008421
Score: 3.30213
Type of gen. func.: ogf

$$-\frac{(x + 1)^{10}}{(x - 1)^{11}}$$

Sequence: A008421
Score: 31.4890
Type of gen. func.: ogf_with_Euler_transform]

[21 - 10 x]

Sequence: A008421
Score: 37.8968
Type of gen. func.: lgdogf

$$-\frac{21 + x}{(x - 1)\,(x + 1)}$$

Sequence: A008421
Score: 5.31212
Type of gen. func.: ogf

{(-n - 3) a(n + 3) + 21 a(n + 2) + (n + 2) a(n + 1), a(0) = 1, a(1) = 21,

a(2) = 221}

Sequence: A008437
Score: 17.0294
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{3\,x^{7}}{x^{8} + 1}$$

Sequence: A008438
Score: 33.8736
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4}{-x - 1}$$

Sequence: A008439
Score: 34.3028
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{5}{-x - 1}$$

Sequence: A008440
Score: 31.7011
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{6}{-x - 1}$$

Sequence: A008441

Score: 32.8823
Type of gen. func.: ogf_with_Euler_transform]

```
                                        2
                                    - ------
                                      -x - 1
```

Sequence: A008442
Score: 18.0146
Type of gen. func.: ogf_with_Euler_transform]

```
                                         3
                                      2 x
                                     ------
                                      4
                                     x  + 1
```

Sequence: A008443
Score: 36.4221
Type of gen. func.: ogf_with_Euler_transform]

```
                                        3
                                    - ------
                                      -x - 1
```

Sequence: A008451
Score: 11.7909
Type of gen. func.: ogf_with_Euler_transform]

```
                                    2
                                 7 x  - 7 x + 14
                               - ----------------
                                   3    2
                                 -x  - x  - x - 1
```

Sequence: A008452
Score: 11.5205
Type of gen. func.: ogf_with_Euler_transform]

```
                                    2
                                 9 x  - 9 x + 18
                               - ----------------
                                   3    2
                                 -x  - x  - x - 1
```

Sequence: A008453

Score: 10.9338
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{11 x^2 - 11 x + 22}{-x^3 - x^2 - x - 1}$$

Sequence: A008454
Score: 5.63937
Type of gen. func.: ogf

$$- x (x + 1) (x^8 + 1012 x^7 + 46828 x^6 + 408364 x^5 + 901990 x^4 + 408364 x^3 + 46828 x^2 + 1012 x + 1) / (x - 1)^{11}$$

Sequence: A008458
Score: 12.6346
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x + x^2 - f(x) + 4 x + 1$$

Sequence: A008458
Score: 16.9256
Type of gen. func.: ogf

$$\frac{x^2 + 4 x + 1}{(x - 1)^2}$$

Sequence: A008458
Score: 33.8749
Type of gen. func.: lgdogf

$$-\frac{6 (x + 1)}{(x - 1) (x^2 + 4 x + 1)}$$

Sequence: A008458
Score: 8.70931
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 6, a(2) = 12\}$$

Sequence: A008461
Score: 10.6379
Type of gen. func.: lgdogf

$$\frac{36 x^5 + 315 x^4 - 546 x^3 + 51 x^2 + 96 x + 49}{(x - 1) (9 x^5 + 120 x^4 - 33 x^3 - 48 x^2 - 42 x - 7)}$$

Sequence: A008461
Score: 12.0336
Type of gen. func.: ogf

$$\frac{9 x^5 + 120 x^4 - 33 x^3 - 48 x^2 - 42 x - 7}{x - 1}$$

Sequence: A008462
Score: 6.39402
Type of gen. func.: ogf

$$(27 x^{12} - 8 x^{11} + 36 x^{10} + 60 x^9 - 12 x^8 - 42 x^7 - 145 x^6 - 89 x^5 - 85 x^4 - 29 x^3 - 52 x^2 - 64 x - 8) / ((x - 1) (x + 1) (x^2 + 1) (x^4 + 1))$$

Sequence: A008463
Score: 6.93771
Type of gen. func.: ogf

$$(45 x^{11} + 61 x^{10} + 61 x^9 - 33 x^8 - 145 x^7 - 89 x^6 - 58 x^5 - 37 x^4 - 61 x^3 - 65 x^2 - 81 x - 9) / ((x - 1) (x + 1) (x^2 + 1) (x^4 + 1))$$

Sequence: A008464
Score: 10.1317
Type of gen. func.: lgdogf

$$-\frac{32 x^3 - 32 x^2 + 22 x - 5}{(2 x - 1) (4 x - 1) (4 x^2 - 3 x + 1)}$$

Sequence: A008464
Score: 4.86503
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 20 a(n + 1) - 16 a(n), a(0) = 1, a(1) = 5, a(2) = 24\}$$

Sequence: A008464
Score: 6.32676
Type of gen. func.: ogf

$$(193 f(x) + 41) (16 f(x) x^3 - 20 f(x) x^2 + 8 f(x) x + 4 x^2 - f(x) - 3 x + 1)$$

Sequence: A008464
Score: 8.88060
Type of gen. func.: ogf

$$-\frac{4 x^2 - 3 x + 1}{(4 x - 1) (2 x - 1)^2}$$

Sequence: A008465
Score: 2.99580
Type of gen. func.: ogf

$$\frac{1056 x^5 - 1104 x^4 + 464 x^3 - 104 x^2 + 14 x - 1}{(4 x - 1)^4 (2 x - 1)^5}$$

Sequence: A008466
Score: 17.1616

Type of gen. func.: ogf

$$\frac{x^2}{(2x-1)(x^2+x-1)}$$

Sequence: A008466
Score: 23.1885
Type of gen. func.: lgdogf

$$-\frac{6x^2+2x-3}{(2x-1)(x^2+x-1)}$$

Sequence: A008466
Score: 7.02066
Type of gen. func.: ogf

$$\{-a(n+3)+3a(n+2)-a(n+1)-2a(n), a(0)=0, a(1)=0, a(2)=1\}$$

Sequence: A008466
Score: 9.53423
Type of gen. func.: ogf

$$2f(x)x^3+f(x)x^2-3f(x)x-x^2+f(x)$$

Sequence: A008483
Score: 21.3876
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^2}{x-1}$$

Sequence: A008484
Score: 27.4834
Type of gen. func.: ogf_with_Euler_transform]

3

$$-\frac{x}{x-1}$$

Sequence: A008486
Score: 12.6628
Type of gen. func.: ogf

$$-f(x)\,x^2 + 2\,f(x)\,x + x^2 - f(x) + x + 1$$

Sequence: A008486
Score: 16.9634
Type of gen. func.: ogf

$$\frac{x^2 + x + 1}{(x-1)^2}$$

Sequence: A008486
Score: 35.8235
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^2 + 3]$$

Sequence: A008486
Score: 36.7703
Type of gen. func.: lgdogf

$$-\frac{3\,(x+1)}{(x-1)\,(x^2 + x + 1)}$$

Sequence: A008486
Score: 8.81430
Type of gen. func.: ogf

$$\{-a(n+3) + 2\,a(n+2) - a(n+1),\ a(0) = 1,\ a(1) = 3,\ a(2) = 6\}$$

Sequence: A008487
Score: 18.2600
Type of gen. func.: lgdogf

$$-\frac{5 (x + 1) (x^2 + 1)}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A008487
Score: 32.8915
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^4 + 5]$$

Sequence: A008487
Score: 4.05620
Type of gen. func.: ogf

$$\{(n^2 + 5 n) a(n) + (-2 n^2 - 4 n + 18) a(n + 1) + (n^2 - n - 6) a(n + 2),$$

$$a(0) = 1, a(1) = 5, a(2) = 15, a(3) = 35, a(4) = 70, a(5) = 125\}$$

Sequence: A008487
Score: 6.03988
Type of gen. func.: ogf

$$f(x) (f(x) x^4 - 4 f(x) x^3 - x^4 + 6 f(x) x^2 - x^3 - 4 f(x) x - x^2 + f(x) - x - 1)$$

Sequence: A008487
Score: 9.73487
Type of gen. func.: ogf

$$\frac{x^4 + x^3 + x^2 + x + 1}{(x - 1)^4}$$

Sequence: A008488
Score: 10.7642

Type of gen. func.: lgdogf

$$-\frac{6\,(x^4+x^3+x^2+x+1)}{(x-1)\,(x+1)\,(x^2+x+1)\,(x^2-x+1)}$$

Sequence: A008488
Score: 3.73047
Type of gen. func.: ogf

$\{(n^2+6\,n)\,a(n)+(-2\,n^2-4\,n+28)\,a(n+1)+(n^2-2\,n-8)\,a(n+2),$

$a(0)=1,\ a(1)=6,\ a(2)=21,\ a(3)=56,\ a(4)=126,\ a(5)=252,$

$a(6)=461\}$

Sequence: A008488
Score: 32.4473
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^5+6]$$

Sequence: A008488
Score: 7.93179
Type of gen. func.: ogf

$$-\frac{(x+1)\,(x^2+x+1)\,(x^2-x+1)}{(x-1)^5}$$

Sequence: A008489
Score: 31.4293
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^6+7]$$

Sequence: A008489
Score: 6.59965
Type of gen. func.: ogf

$$\frac{x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}{(x - 1)^6}$$

Sequence: A008489
Score: 9.58005
Type of gen. func.: lgdogf

$$-\frac{7 (x + 1) (x^2 + x + 1) (x^2 - x + 1)}{(x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A008490
Score: 31.1889
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^7 + 8]$$

Sequence: A008490
Score: 5.73999
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 + 1) (x^4 + 1)}{(x - 1)^7}$$

Sequence: A008490
Score: 9.41669
Type of gen. func.: lgdogf

$$-\frac{8 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A008491
Score: 10.8382

Type of gen. func.: lgdogf

$$-\frac{9 (x + 1) (x^2 + 1) (x^4 + 1)}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A008491
Score: 37.7930
Type of gen. func.: ogf_with_Euler_transform]

$$-x^8 + 9$$

Sequence: A008491
Score: 5.19936
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^6 + x^3 + 1)}{(x - 1)^8}$$

Sequence: A008492
Score: 34.3212
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9 + 10$$

Sequence: A008492
Score: 4.40662
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}{(x - 1)^9}$$

Sequence: A008492
Score: 7.09917
Type of gen. func.: lgdogf

$$-\frac{10\,(x^2+x+1)\,(x^6+x^3+1)}{(x-1)\,(x+1)\,(x^4+x^3+x^2+x+1)\,(x^4-x^3+x^2-x+1)}$$

Sequence: A008493
Score: 3.85009
Type of gen. func.: ogf

$$\frac{x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1}{(x-1)^{10}}$$

Sequence: A008493
Score: 32.6482
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{10}+11$$

Sequence: A008493
Score: 5.37564
Type of gen. func.: lgdogf

$$-\frac{11\,(x+1)\,(x^4+x^3+x^2+x+1)\,(x^4-x^3+x^2-x+1)}{(x-1)\,(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A008494
Score: 3.46041
Type of gen. func.: ogf

$$-\frac{(x+1)\,(x^2+1)\,(x^2+x+1)\,(x^2-x+1)\,(x^4-x^2+1)}{(x-1)^{11}}$$

Sequence: A008494
Score: 32.3079
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{11} + 12$$

Sequence: A008495
Score: 14.3849
Type of gen. func.: lgdogf

$$169 + (-26 + 26 x) f(x) + (x^2 - 2 x + 1) f(x)^2$$

Sequence: A008496
Score: 5.05089
Type of gen. func.: lgdogf

$$- (8 x^{12} + x^{11} + x^{10} + 12 x^9 + 26 x^8 + 24 x^7 + 4 x^6 + 4 x^5 + 24 x^4 + 10 x^3 + 4 x^2 + x + 1) / ((x - 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^6 - x^5 + 2 x^3 - x + 1))$$

Sequence: A008496
Score: 5.30637
Type of gen. func.: ogf

$$\frac{x^5 (x^2 + x + 1) (x^6 - x^5 + 2 x^3 - x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^4}$$

Sequence: A008497
Score: 18.1074
Type of gen. func.: ogf_with_Euler_transform]

$$-x^7 + 2 x^4 + x^3 + 1$$

Sequence: A008497
Score: 8.51638
Type of gen. func.: ogf

$$-\frac{x^5 (x^4+1)}{(x^4+x^3+x^2+x+1)^2 (x-1)^3}$$

Sequence: A008497
Score: 9.27221
Type of gen. func.: lgdogf

$$-\frac{7x^8+x^7+x^6+x^5+12x^4+5x^3+x^2+x+1}{(x-1)(x^4+x^3+x^2+x+1)(x^4+1)}$$

Sequence: A008498
Score: 11.5182
Type of gen. func.: lgdogf

$$-\frac{x^4+6x^3+6x^2+6x+6}{(x^4+x^3+x^2+x+1)(x-1)}$$

Sequence: A008498
Score: 22.4479
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^4+6]$$

Sequence: A008498
Score: 5.96429
Type of gen. func.: ogf

$$-\frac{x^4+x^3+x^2+x+1}{(x-1)^5}$$

Sequence: A008499
Score: 23.1670
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^{5} + 7]$$

Sequence: A008499
Score: 5.22327
Type of gen. func.: ogf

$$\frac{(x + 1) (x^{2} + x + 1) (x^{2} - x + 1)}{(x - 1)^{6}}$$

Sequence: A008499
Score: 9.21615
Type of gen. func.: lgdogf

$$- \frac{x^{5} + 7 x^{4} + 7 x^{3} + 7 x^{2} + 7 x + 7}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A008500
Score: 26.6654
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^{6} + 8]$$

Sequence: A008500
Score: 5.21753
Type of gen. func.: ogf

$$- \frac{x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1}{(x - 1)^{7}}$$

Sequence: A008500
Score: 9.69597
Type of gen. func.: lgdogf

$$-\frac{x^6+8x^5+8x^4+8x^3+8x^2+8x+8}{(x-1)(x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A008501
Score: 22.6764
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^7+9]$$

Sequence: A008501
Score: 3.92792
Type of gen. func.: ogf

$$\frac{(x+1)(x^2+1)(x^4+1)}{(x-1)^8}$$

Sequence: A008501
Score: 8.00418
Type of gen. func.: lgdogf

$$-\frac{x^7+9x^6+9x^5+9x^4+9x^3+9x^2+9x+9}{(x-1)(x+1)(x^2+1)(x^4+1)}$$

Sequence: A008502
Score: 23.8354
Type of gen. func.: ogf_with_Euler_transform]

$$-x^8+10$$

Sequence: A008502
Score: 6.16952
Type of gen. func.: lgdogf

$$x^8+10x^7+10x^6+10x^5+10x^4+10x^3+10x^2+10x+10$$

$$-\frac{}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A008506
Score: 13.9447
Type of gen. func.: lgdogf

$$196 + (-28 + 28 x) f(x) + (x^2 - 2 x + 1) f(x)^2$$

Sequence: A008511
Score: 13.3008
Type of gen. func.: lgdogf

$$-\frac{16 (x^2 + 4 x + 1)}{(x - 1) (x + 1) (x^2 + 10 x + 1)}$$

Sequence: A008511
Score: 21.4594
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^2 + 5]$$

Sequence: A008511
Score: 3.79115
Type of gen. func.: ogf

$-(75 f(x) + 656)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 16 x^3 - 4 f(x) x - 16 x^2 + f(x) - 16 x)$$

Sequence: A008511
Score: 7.13336
Type of gen. func.: ogf

$$\frac{16 x (x^2 + x + 1)}{(x - 1)^4}$$

Sequence: A008512
Score: 5.53877
Type of gen. func.: ogf

$$-\frac{2\,(16\,x^4 + 41\,x^3 + 51\,x^2 + 11\,x + 1)}{(x-1)^5}$$

Sequence: A008512
Score: 7.61753
Type of gen. func.: lgdogf

$$-\frac{4\,(8\,x^4 + 73\,x^3 + 138\,x^2 + 73\,x + 8)}{(x-1)\,(x+1)\,(x^4 + 26\,x^3 + 66\,x^2 + 26\,x + 1)}$$

Sequence: A008513
Score: 4.51403
Type of gen. func.: ogf

$$\frac{8\,x\,(8\,x^4 + 43\,x^3 + 78\,x^2 + 43\,x + 8)}{(x-1)^6}$$

Sequence: A008513
Score: 7.04411
Type of gen. func.: lgdogf

$$-\frac{16\,(4\,x^4 + 59\,x^3 + 144\,x^2 + 59\,x + 4)}{(x-1)\,(x+1)\,(x^4 + 56\,x^3 + 246\,x^2 + 56\,x + 1)}$$

Sequence: A008514
Score: 11.8800
Type of gen. func.: lgdogf

3 2

$$-\frac{x + 27 x + 75 x + 17}{(x - 1) (x + 1) (x^2 + 10 x + 1)}$$

Sequence: A008514
Score: 5.71235
Type of gen. func.: ogf

$$-\frac{(x^2 + 10 x + 1) (x + 1)^2}{(x - 1)^5}$$

Sequence: A008515
Score: 13.6055
Type of gen. func.: lgdogf

$$-\frac{x^5 + 59 x^4 + 384 x^3 + 644 x^2 + 319 x + 33}{(x - 1) (x + 1) (x^4 + 26 x^3 + 66 x^2 + 26 x + 1)}$$

Sequence: A008515
Score: 9.15672
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + 26 x^3 + 66 x^2 + 26 x + 1)}{(x - 1)^6}$$

Sequence: A008516
Score: 4.02807
Type of gen. func.: ogf

$$-\frac{(x^4 + 56 x^3 + 246 x^2 + 56 x + 1) (x + 1)^2}{(x - 1)^7}$$

Sequence: A008516
Score: 6.57688

Type of gen. func.: lgdogf

$$-\frac{x^5 + 121 x^4 + 1246 x^3 + 2606 x^2 + 1001 x + 65}{(x - 1) (x + 1) (x^4 + 56 x^3 + 246 x^2 + 56 x + 1)}$$

Sequence: A008522
Score: 12.9302
Type of gen. func.: ogf

$$-\frac{x^5 + 3 x^3 - 4 x^2 + x - 2}{(x - 1)^2}$$

Sequence: A008522
Score: 14.8337
Type of gen. func.: lgdogf

$$\frac{3 x^5 - 5 x^4 + 3 x^3 - 9 x^2 + 7 x + 3}{(x - 1) (x^5 + 3 x^3 - 4 x^2 + x - 2)}$$

Sequence: A008527
Score: 14.1593
Type of gen. func.: lgdogf

$$-\frac{2 (5 x^2 + 14 x + 5)}{(x - 1) (x + 1) (x^2 + 6 x + 1)}$$

Sequence: A008527
Score: 4.40640
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 10, a(2) = 34,

a(3) = 74}

Sequence: A008527
Score: 7.55202
Type of gen. func.: ogf

$$(44 f(x) - 161) (f(x) x^3 - 3 f(x) x^2 + x^3 + 3 f(x) x + 7 x^2 - f(x) + 7 x + 1)$$

Sequence: A008527
Score: 8.62122
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 + 6 x + 1)}{(x - 1)^3}$$

Sequence: A008528
Score: 5.93698
Type of gen. func.: ogf

$$-(209 f(x) + 2713) (f(x) x^4 - 4 f(x) x^3 - x^4 + 6 f(x) x^2 - 14 x^3 - 4 f(x) x - 36 x^2 + f(x) - 14 x - 1)$$

Sequence: A008528
Score: 6.39022
Type of gen. func.: ogf

$$\frac{x^4 + 14 x^3 + 36 x^2 + 14 x + 1}{(x - 1)^4}$$

Sequence: A008528
Score: 9.80125
Type of gen. func.: lgdogf

$$-\frac{6 (x + 1) (3 x^2 + 16 x + 3)}{(x - 1) (x^4 + 14 x^3 + 36 x^2 + 14 x + 1)}$$

Sequence: A008529
Score: 13.4389
Type of gen. func.: lgdogf

$$-\frac{2\,(7\,x^2 + 26\,x + 7)}{(x - 1)\,(x + 1)\,(x^2 + 8\,x + 1)}$$

Sequence: A008529
Score: 5.89803
Type of gen. func.: ogf

$$(220\,f(x) + 1319)\,(f(x)\,x^4 - 4\,f(x)\,x^3 - x^4 + 6\,f(x)\,x^2 - 10\,x^3 - 4\,f(x)\,x - 18\,x^2 + f(x) - 10\,x - 1)$$

Sequence: A008529
Score: 6.41590
Type of gen. func.: ogf

$$\frac{(x^2 + 8\,x + 1)\,(x + 1)^2}{(x - 1)^4}$$

Sequence: A008530
Score: 20.2812
Type of gen. func.: lgdogf

$$-\frac{12\,(x + 1)}{(x - 1)\,(x^2 + 4\,x + 1)}$$

Sequence: A008530
Score: 6.03144
Type of gen. func.: ogf

$$(25\,f(x) + 139)\,(f(x)\,x^4 - 4\,f(x)\,x^3 - x^4 + 6\,f(x)\,x^2 - 8\,x^3 - 4\,f(x)\,x - 18\,x^2 + f(x) - 8\,x - 1)$$

Sequence: A008530
Score: 6.52556
Type of gen. func.: ogf

$$\frac{(x^2 + 4 x + 1)^2}{(x - 1)^4}$$

Sequence: A008531
Score: 14.9701
Type of gen. func.: lgdogf

$$- \frac{10 (x + 1) (x^2 + 4 x + 1)}{(x - 1) (x^4 + 6 x^3 + 16 x^2 + 6 x + 1)}$$

Sequence: A008531
Score: 5.35807
Type of gen. func.: ogf

$$(15 f(x) + 67) (f(x) x^4 - 4 f(x) x^3 - x^4 + 6 f(x) x^2 - 6 x^3 - 4 f(x) x - 16 x^2 + f(x) - 6 x - 1)$$

Sequence: A008531
Score: 9.22087
Type of gen. func.: ogf

$$\frac{x^4 + 6 x^3 + 16 x^2 + 6 x + 1}{(x - 1)^4}$$

Sequence: A008532
Score: 20.1539
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^2 + 14 x + 5)}{\qquad^{2}}$$

$$(x - 1) (x + 1) (x \; + 4 x + 1)$$

Sequence: A008532
Score: 3.72153
Type of gen. func.: ogf

$$\{(-20 n^2 - 105 n) a(n) + (-79 n^2 - 666 n - 1437) a(n + 1) + (20 n^2 - 369 n - 2328) a(n + 2) + (79 n^2 + 546 n + 927) a(n + 3),$$
$$a(0) = 1, a(1) = 10, a(2) = 44\}$$

Sequence: A008532
Score: 5.53332
Type of gen. func.: ogf

$$(1140 f(x) + 2939) (f(x) x^4 - 4 f(x) x^3 - x^4 + 6 f(x) x^2 - 6 x^3 - 4 f(x) x - 10 x^2 + f(x) - 6 x - 1)$$

Sequence: A008532
Score: 9.77983
Type of gen. func.: ogf

$$\frac{(x^2 + 4 x + 1) (x + 1)^2}{(x - 1)^4}$$

Sequence: A008533
Score: 10.1817
Type of gen. func.: lgdogf

$$- \frac{12 (x^2 + 3 x + 1)^2}{(x - 1) (x + 1) (x^4 + 6 x^3 + 16 x^2 + 6 x + 1)}$$

Sequence: A008533
Score: 3.82753
Type of gen. func.: ogf

$$\{(n^2 + n) a(n) + (2 n^2 + 18 n + 16) a(n + 1) + (-2 n^2 + 6 n + 20) a(n + 2) + (-n^2 - 5 n - 6) a(n + 3), a(0) = 1, a(1) = 12, a(2) = 72\}$$

Sequence: A008533
Score: 7.61861
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^4 + 6 x^3 + 16 x^2 + 6 x + 1)}{(x - 1)^5}$$

Sequence: A008534
Score: 4.55604
Type of gen. func.: ogf

$$\frac{x^6 + 8 x^5 + 29 x^4 + 64 x^3 + 29 x^2 + 8 x + 1}{(x - 1)^6}$$

Sequence: A008534
Score: 6.92862
Type of gen. func.: lgdogf

$$-\frac{14 (x + 1) (x^4 + 6 x^3 + 16 x^2 + 6 x + 1)}{(x - 1) (x^6 + 8 x^5 + 29 x^4 + 64 x^3 + 29 x^2 + 8 x + 1)}$$

Sequence: A008535
Score: 5.42917
Type of gen. func.: lgdogf

$$-\frac{8 (2 x^6 + 16 x^5 + 58 x^4 + 93 x^3 + 58 x^2 + 16 x + 2)}{(x - 1) (x + 1) (x^6 + 8 x^5 + 29 x^4 + 64 x^3 + 29 x^2 + 8 x + 1)}$$

Sequence: A008535
Score: 5.45157
Type of gen. func.: ogf

$$-\frac{(x+1)\,(x^6+8x^5+29x^4+64x^3+29x^2+8x+1)}{(x-1)^7}$$

Sequence: A008542
Score: 11.4864
Type of gen. func.: revegf]

$$-\frac{(1-5x)^{1/5}}{6}+\frac{5\,(1-5x)^{1/5}\,x}{6}+1/6$$

Sequence: A008542
Score: 32.1620
Type of gen. func.: lgdegf]

$$-1+(1-6x)\,f(x)$$

Sequence: A008542
Score: 5.60819
Type of gen. func.: ogf

$$\{(-6n-7)\,a(n+1)+a(n+2),\ a(0)=1,\ a(1)=1\}$$

Sequence: A008543
Score: 15.4123
Type of gen. func.: revegf]

$$-\frac{x\,(x-2)\,(x^2-x+1)\,(x^2-3x+3)}{6}$$

Sequence: A008543
Score: 34.9346
Type of gen. func.: lgdegf]

$$-5 + (1 - 6x) f(x)$$

Sequence: A008543
Score: 6.01247
Type of gen. func.: ogf

$$\{(-6n - 11) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 5\}$$

Sequence: A008544
Score: 28.8321
Type of gen. func.: revegf]

$$\frac{x (x^2 - 3x + 3)}{3}$$

Sequence: A008544
Score: 49.0145
Type of gen. func.: lgdegf]

$$-\frac{2}{3x - 1}$$

Sequence: A008544
Score: 5.69861
Type of gen. func.: ogf

$$\{(-3n - 5) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A008544
Score: 7.95998
Type of gen. func.: egf]

$$9 f(x)^3 x^2 - 6 f(x)^3 x + f(x)^3 - 1$$

Sequence: A008545
Score: 26.2542
Type of gen. func.: revegf]

$$-\frac{x (x - 2) (x^2 - 2 x + 2)}{4}$$

Sequence: A008545
Score: 42.0067
Type of gen. func.: lgdegf]

$$-3 + (1 - 4 x) f(x)$$

Sequence: A008545
Score: 7.29161
Type of gen. func.: ogf

$$\{(-4 n - 7) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A008546
Score: 16.0989
Type of gen. func.: revegf]

$$\frac{x (x^4 - 5 x^3 + 10 x^2 - 10 x + 5)}{5}$$

Sequence: A008546
Score: 33.2711
Type of gen. func.: lgdegf]

$$-4 + (1 - 5 x) f(x)$$

Sequence: A008546
Score: 5.79724
Type of gen. func.: ogf

$$\{(-5 n - 9) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A008548
Score: 12.7494
Type of gen. func.: revegf]

$$-\frac{(1 - 4 x)^{1/4}}{5} + \frac{4 (1 - 4 x)^{1/4} x}{5} + 1/5$$

Sequence: A008548
Score: 35.6984
Type of gen. func.: lgdegf]

$$-1 + (1 - 5 x) f(x)$$

Sequence: A008548
Score: 6.21375
Type of gen. func.: ogf

$$\{(-5 n - 6) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A008549
Score: 4.97289
Type of gen. func.: ogf

$$\{(-16 n - 40) a(n + 1) + (8 n + 26) a(n + 2) + (-n - 4) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 6\}$$

Sequence: A008549
Score: 6.63051
Type of gen. func.: ogf

$$-16 f(x)^2 x^3 + 8 f(x)^2 x^2 - f(x)^2 x + 8 f(x) x^2 - 6 f(x) x + f(x) - x$$

Sequence: A008553
Score: 10.0252
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 20, a(1) = 21\}$$

Sequence: A008553
Score: 17.9174

Type of gen. func.: ogf

$$-\frac{19 x - 20}{(x - 1)^{2}}$$

Sequence: A008553
Score: 28.4607
Type of gen. func.: revogf

$$-\frac{-10 - x + (100 + x)^{1/2}}{19 + x}$$

Sequence: A008553
Score: 30.5689
Type of gen. func.: lgdogf

$$-\frac{-21 + 19 x}{(x - 1) (19 x - 20)}$$

Sequence: A008553
Score: 9.46203
Type of gen. func.: ogf

$$(2 f(x) + 401) (f(x) x^{2} - 2 f(x) x + f(x) + 19 x - 20)$$

Sequence: A008574
Score: 12.1178
Type of gen. func.: ogf

$$-f(x) x^{2} + 2 f(x) x + x^{2} - f(x) + 2 x + 1$$

Sequence: A008574
Score: 16.2332
Type of gen. func.: ogf

$$\frac{(x + 1)^{2}}{}$$

$$(x - 1)^2$$

Sequence: A008574
Score: 40.7978
Type of gen. func.: ogf_with_Euler_transform]

$$[4 - 2 x]$$

Sequence: A008574
Score: 60.2893
Type of gen. func.: lgdogf

$$-\frac{4}{(x - 1) (x + 1)}$$

Sequence: A008574
Score: 8.43491
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 4, a(2) = 8\}$$

Sequence: A008576
Score: 11.1057
Type of gen. func.: lgdogf

$$-\frac{3 x^4 + 4 x^3 + 10 x^2 + 4 x + 3}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A008576
Score: 19.5601
Type of gen. func.: ogf_with_Euler_transform]

$$-x^3 + x^2 - x + 3$$

Sequence: A008576
Score: 5.06837

Type of gen. func.: ogf

$$(23 f(x) + 2) (f(x) x^4 - f(x) x^3 - x^4 - 2 x^3 - f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A008576
Score: 8.42535
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^2}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A008577
Score: 18.2068
Type of gen. func.: ogf_with_Euler_transform]

$$-x^3 + x^2 - x + 4$$

Sequence: A008577
Score: 6.50512
Type of gen. func.: ogf

$$- \frac{(x^2 + 1) (x + 1)^2}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A008577
Score: 9.67575
Type of gen. func.: lgdogf

$$- \frac{x^5 + 5 x^4 + 7 x^3 + 13 x^2 + 6 x + 4}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A008579
Score: 7.61001
Type of gen. func.: ogf

$$-\frac{(2x+1)(x^4-2x^3-2x^2-2x-1)}{(x-1)^2(x+1)^2}$$

Sequence: A008579
Score: 7.80645
Type of gen. func.: lgdogf

$$\frac{2(x^6-2x^4+12x^3+15x^2+8x+2)}{(x-1)(2x+1)(x+1)(x^4-2x^3-2x^2-2x-1)}$$

Sequence: A008580
Score: 7.90558
Type of gen. func.: lgdogf

$$\frac{x^5+5x^4+36x^3+40x^2+21x+5}{(x-1)(2x+1)(x+1)(x^4-2x^3-2x^2-2x-1)}$$

Sequence: A008580
Score: 8.16402
Type of gen. func.: ogf

$$\frac{(2x+1)(x^4-2x^3-2x^2-2x-1)}{(x+1)^2(x-1)^3}$$

Sequence: A008581
Score: 17.0112
Type of gen. func.: ogf_with_Euler_transform]

$$x^6+x^4+x^3+x^2+x+1$$

Sequence: A008581
Score: 7.47913
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x + 1)^2 (x - 1)^6)$$

Sequence: A008585
Score: 10.0680
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 3\}$$

Sequence: A008585
Score: 100.409
Type of gen. func.: lgdogf

$$- \frac{2}{x - 1}$$

Sequence: A008585
Score: 14.1567
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 3 x$$

Sequence: A008585
Score: 22.0408
Type of gen. func.: ogf

$$\frac{3 x}{(x - 1)^2}$$

Sequence: A008585
Score: 32.1310
Type of gen. func.: revogf

$$\frac{12 x}{(3 + (9 + 12 x)^{1/2})^2}$$

Sequence: A008586
Score: 10.3266
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 4\}$$

Sequence: A008586
Score: 103.034
Type of gen. func.: lgdogf

$$-\frac{2}{x - 1}$$

Sequence: A008586
Score: 14.1771
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 4 x$$

Sequence: A008586
Score: 22.6068
Type of gen. func.: ogf

$$\frac{4 x}{(x - 1)^2}$$

Sequence: A008586
Score: 43.3826
Type of gen. func.: revogf

$$\frac{x}{(1 + (x + 1)^{1/2})^2}$$

Sequence: A008587
Score: 10.1379

Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 5\}$$

Sequence: A008587
Score: 101.137
Type of gen. func.: lgdogf

$$-\frac{2}{x - 1}$$

Sequence: A008587
Score: 13.9182
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 5 x$$

Sequence: A008587
Score: 22.1938
Type of gen. func.: ogf

$$\frac{5 x}{(x - 1)^2}$$

Sequence: A008587
Score: 31.1191
Type of gen. func.: revogf

$$\frac{20 x}{(5 + (20 x + 25)^{1/2})^2}$$

Sequence: A008588
Score: 11.0245
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 6\}$$

Sequence: A008588
Score: 110.094
Type of gen. func.: lgdogf

$$-\frac{2}{x-1}$$

Sequence: A008588
Score: 15.1353
Type of gen. func.: ogf

$$-f(x)\,x^2 + 2\,f(x)\,x - f(x) + 6\,x$$

Sequence: A008588
Score: 24.1346
Type of gen. func.: ogf

$$\frac{6\,x}{(x-1)^2}$$

Sequence: A008588
Score: 38.2934
Type of gen. func.: revogf

$$\frac{6\,x}{(3 + (9 + 6\,x)^{1/2})^2}$$

Sequence: A008589
Score: 10.1420
Type of gen. func.: ogf

$$\{a(n+2) - 2\,a(n+1) + a(n),\ a(0) = 0,\ a(1) = 7\}$$

Sequence: A008589
Score: 101.185
Type of gen. func.: lgdogf

$$-\frac{2}{x-1}$$

Sequence: A008589
Score: 13.9238
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 7 x$$

Sequence: A008589
Score: 22.2028
Type of gen. func.: ogf

$$\frac{7 x}{(x - 1)^2}$$

Sequence: A008589
Score: 31.1339
Type of gen. func.: revogf

$$\frac{28 x}{(7 + (49 + 28 x)^{1/2})^2}$$

Sequence: A008590
Score: 10.2410
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 8\}$$

Sequence: A008590
Score: 102.187
Type of gen. func.: lgdogf

$$-\frac{2}{x-1}$$

Sequence: A008590
Score: 14.0596
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 8 x$$

Sequence: A008590
Score: 22.4194
Type of gen. func.: ogf

$$\frac{8 x}{(x - 1)^2}$$

Sequence: A008590
Score: 35.5433
Type of gen. func.: revogf

$$\frac{2 x}{(2 + (4 + 2 x)^{1/2})^2}$$

Sequence: A008591
Score: 10.0463
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 9\}$$

Sequence: A008591
Score: 100.223
Type of gen. func.: lgdogf

$$- \frac{2}{x - 1}$$

Sequence: A008591
Score: 13.7924
Type of gen. func.: ogf

2

$$-f(x) x + 2 f(x) x - f(x) + 9 x$$

Sequence: A008591
Score: 21.9933
Type of gen. func.: ogf

$$\frac{9 x}{(x - 1)^{2}}$$

Sequence: A008591
Score: 34.8602
Type of gen. func.: revogf

$$\frac{4 x}{(3 + (9 + 4 x)^{1/2})^{2}}$$

Sequence: A008592
Score: 10.0697
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 10\}$$

Sequence: A008592
Score: 101.719
Type of gen. func.: lgdogf

$$- \frac{2}{x - 1}$$

Sequence: A008592
Score: 13.762
Type of gen. func.: ogf

$$-f(x) x^{2} + 2 f(x) x - f(x) + 10 x$$

Sequence: A008592

Score: 21.7294
Type of gen. func.: ogf

$$\frac{10\,x}{(x-1)^{2}}$$

Sequence: A008592
Score: 31.2982
Type of gen. func.: revogf

$$\frac{10\,x}{\left(5+(10\,x+25)^{1/2}\right)^{2}}$$

Sequence: A008593
Score: 10.0697
Type of gen. func.: ogf

$$\{a(n+2)-2\,a(n+1)+a(n),\ a(0)=0,\ a(1)=11\}$$

Sequence: A008593
Score: 101.719
Type of gen. func.: lgdogf

$$-\frac{2}{x-1}$$

Sequence: A008593
Score: 13.762
Type of gen. func.: ogf

$$-f(x)\,x^{2}+2\,f(x)\,x-f(x)+11\,x$$

Sequence: A008593
Score: 21.7294
Type of gen. func.: ogf

$$\frac{11\,x}{{}^{2}}$$

$$(x - 1)$$

Sequence: A008593
Score: 29.0626
Type of gen. func.: revogf

$$\frac{44 x}{(11 + (121 + 44 x)^{1/2})^{2}}$$

Sequence: A008594
Score: 10.1184
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 12\}$$

Sequence: A008594
Score: 102.218
Type of gen. func.: lgdogf

$$- \frac{2}{x - 1}$$

Sequence: A008594
Score: 13.8285
Type of gen. func.: ogf

$$-f(x) x^{2} + 2 f(x) x - f(x) + 12 x$$

Sequence: A008594
Score: 21.8344
Type of gen. func.: ogf

$$\frac{12 x}{(x - 1)^{2}}$$

Sequence: A008594

Score: 35.5540
Type of gen. func.: revogf

$$\frac{3 x}{\left(3 + (9 + 3 x)^{1/2}\right)^{2}}$$

Sequence: A008595
Score: 100.250
Type of gen. func.: lgdogf

$$- \frac{2}{x - 1}$$

Sequence: A008595
Score: 13.5652
Type of gen. func.: ogf

$$-f(x) x^{2} + 2 f(x) x - f(x) + 13 x$$

Sequence: A008595
Score: 21.4187
Type of gen. func.: ogf

$$\frac{13 x}{(x - 1)^{2}}$$

Sequence: A008595
Score: 28.6428
Type of gen. func.: revogf

$$\frac{52 x}{\left(13 + (169 + 52 x)^{1/2}\right)^{2}}$$

Sequence: A008595
Score: 9.92572
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 13\}$$

Sequence: A008596
Score: 100.250
Type of gen. func.: lgdogf

$$-\frac{2}{x - 1}$$

Sequence: A008596
Score: 13.5652
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 14 x$$

Sequence: A008596
Score: 21.4187
Type of gen. func.: ogf

$$\frac{14 x}{(x - 1)^2}$$

Sequence: A008596
Score: 30.8461
Type of gen. func.: revogf

$$\frac{14 x}{(7 + (49 + 14 x)^{1/2})^2}$$

Sequence: A008596
Score: 9.92572
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 14\}$$

Sequence: A008597

```
Score: 100.746
Type of gen. func.: lgdogf


                                          2
                                      - -----
                                        x - 1



------------------------------------------------------------------------------

Sequence:  A008597
Score: 13.6313
Type of gen. func.: ogf


                                2
                        -f(x) x  + 2 f(x) x - f(x) + 15 x



------------------------------------------------------------------------------

Sequence:  A008597
Score: 21.5232
Type of gen. func.: ogf


                                        15 x
                                      --------
                                             2
                                      (x - 1)



------------------------------------------------------------------------------

Sequence:  A008597
Score: 28.7846
Type of gen. func.: revogf


                                       60 x
                              -----------------------
                                                 1/2 2
                              (15 + (225 + 60 x)   )



------------------------------------------------------------------------------

Sequence:  A008597
Score: 9.97415
Type of gen. func.: ogf


                {a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 15}



------------------------------------------------------------------------------

Sequence:  A008598
Score: 100.746
Type of gen. func.: lgdogf


                                          2
                                      - -----
                                        x - 1
```

Sequence: A008598
Score: 13.6313
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 16 x$$

Sequence: A008598
Score: 21.5232
Type of gen. func.: ogf

$$\frac{16 x}{(x - 1)^2}$$

Sequence: A008598
Score: 42.4194
Type of gen. func.: revogf

$$\frac{x}{(2 + (4 + x)^{1/2})^2}$$

Sequence: A008598
Score: 9.97415
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 16\}$$

Sequence: A008599
Score: 10.0226
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 17\}$$

Sequence: A008599
Score: 101.242
Type of gen. func.: lgdogf

$$-\frac{2}{x-1}$$

Sequence: A008599
Score: 13.6975
Type of gen. func.: ogf

$$-f(x)\,x^{2} + 2\,f(x)\,x - f(x) + 17\,x$$

Sequence: A008599
Score: 21.6276
Type of gen. func.: ogf

$$\frac{17\,x}{(x-1)^{2}}$$

Sequence: A008599
Score: 28.9264
Type of gen. func.: revogf

$$\frac{68\,x}{(17 + (289 + 68\,x)^{1/2})^{2}}$$

Sequence: A008600
Score: 10.0226
Type of gen. func.: ogf

$$\{a(n + 2) - 2\,a(n + 1) + a(n),\ a(0) = 0,\ a(1) = 18\}$$

Sequence: A008600
Score: 101.242
Type of gen. func.: lgdogf

$$-\frac{2}{x-1}$$

Sequence: A008600
Score: 13.6975
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 18 x$$

Sequence: A008600
Score: 21.6276
Type of gen. func.: ogf

$$\frac{18 x}{(x - 1)^2}$$

Sequence: A008600
Score: 35.2147
Type of gen. func.: revogf

$$\frac{2 x}{(3 + (9 + 2 x)^{1/2})^2}$$

Sequence: A008601
Score: 10.0226
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 19\}$$

Sequence: A008601
Score: 101.242
Type of gen. func.: lgdogf

$$- \frac{2}{x - 1}$$

Sequence: A008601
Score: 13.6975
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 19 x$$

Sequence: A008601
Score: 21.6276
Type of gen. func.: ogf

$$\frac{19 x}{(x - 1)^2}$$

Sequence: A008601
Score: 28.9264
Type of gen. func.: revogf

$$\frac{76 x}{(19 + (361 + 76 x)^{1/2})^2}$$

Sequence: A008602
Score: 13.1716
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 20 x$$

Sequence: A008602
Score: 20.7973
Type of gen. func.: ogf

$$\frac{20 x}{(x - 1)^2}$$

Sequence: A008602
Score: 32.4376
Type of gen. func.: revogf

$$\frac{5 x}{(5 + (25 + 5 x)^{1/2})^2}$$

Sequence: A008602
Score: 9.63778
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 20\}$$

Sequence: A008602
Score: 97.3128
Type of gen. func.: lgdogf

$$-\frac{2}{x - 1}$$

Sequence: A008603
Score: 12.1298
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 21 x$$

Sequence: A008603
Score: 19.1523
Type of gen. func.: ogf

$$\frac{21 x}{(x - 1)^2}$$

Sequence: A008603
Score: 25.5776
Type of gen. func.: revogf

$$\frac{84 x}{(21 + (441 + 84 x)^{1/2})^2}$$

Sequence: A008603
Score: 8.87544
Type of gen. func.: ogf

$$\{a(n+2) - 2\,a(n+1) + a(n),\ a(0) = 0,\ a(1) = 21\}$$

Sequence: A008603
Score: 89.5215
Type of gen. func.: lgdogf

$$-\frac{2}{x-1}$$

Sequence: A008604
Score: 11.4859
Type of gen. func.: ogf

$$-f(x)\,x^2 + 2\,f(x)\,x - f(x) + 22\,x$$

Sequence: A008604
Score: 18.1357
Type of gen. func.: ogf

$$\frac{22\,x}{(x-1)^2}$$

Sequence: A008604
Score: 24.2025
Type of gen. func.: revogf

$$\frac{22\,x}{(11 + (121 + 22\,x)^{1/2})^2}$$

Sequence: A008604
Score: 8.40433
Type of gen. func.: ogf

$$\{a(n+2) - 2\,a(n+1) + a(n),\ a(0) = 0,\ a(1) = 22\}$$

Sequence: A008604
Score: 84.7087
Type of gen. func.: lgdogf

$$-\frac{2}{x-1}$$

Sequence: A008605
Score: 100.262
Type of gen. func.: lgdogf

$$-\frac{2}{x-1}$$

Sequence: A008605
Score: 13.5648
Type of gen. func.: ogf

$$-f(x)\,x^2 + 2\,f(x)\,x - f(x) + 23\,x$$

Sequence: A008605
Score: 21.4181
Type of gen. func.: ogf

$$\frac{23\,x}{(x-1)^2}$$

Sequence: A008605
Score: 28.6462
Type of gen. func.: revogf

$$\frac{92\,x}{(23 + (529 + 92\,x)^{1/2})^2}$$

Sequence: A008605
Score: 9.92548
Type of gen. func.: ogf

$$\{a(n+2) - 2\,a(n+1) + a(n),\ a(0) = 0,\ a(1) = 23\}$$

Sequence: A008606
Score: 10.0214
Type of gen. func.: ogf

$$\{a(n+2) - 2\,a(n+1) + a(n),\ a(0) = 0,\ a(1) = 24\}$$

Sequence: A008606
Score: 101.245
Type of gen. func.: lgdogf

$$-\frac{2}{x - 1}$$

Sequence: A008606
Score: 13.6959
Type of gen. func.: ogf

$$-f(x)\,x^2 + 2\,f(x)\,x - f(x) + 24\,x$$

Sequence: A008606
Score: 21.6251
Type of gen. func.: ogf

$$\frac{24\,x}{(x - 1)^2}$$

Sequence: A008606
Score: 33.7482
Type of gen. func.: revogf

$$\frac{6\,x}{(6 + (36 + 6\,x)^{1/2})^2}$$

Sequence: A008607
Score: 13.4965
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 25 x$$

Sequence: A008607
Score: 21.3102
Type of gen. func.: ogf

$$\frac{25 x}{(x - 1)^2}$$

Sequence: A008607
Score: 33.2522
Type of gen. func.: revogf

$$\frac{4 x}{(5 + (25 + 4 x)^{1/2})^2}$$

Sequence: A008607
Score: 9.87546
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 25\}$$

Sequence: A008607
Score: 99.7565
Type of gen. func.: lgdogf

$$- \frac{2}{x - 1}$$

Sequence: A008609
Score: 4.50035
Type of gen. func.: ogf

$$x^{12} - 2 x^{11} + 4 x^{10} - 4 x^9 + 2 x^8 - 2 x^7 + x^6 - x^5 + 2 x^4 - 2 x^3 + x^2 + 1$$

$$- \frac{}{(3 x^{3} - 1) (x - 1)^{2}}$$

Sequence: A008610
Score: 6.58859
Type of gen. func.: ogf

$$\frac{x^{3} + x^{2} - x + 1}{(x^{2} + 1) (x + 1)^{2} (x - 1)^{4}}$$

Sequence: A008610
Score: 8.42091
Type of gen. func.: lgdogf

$$- \frac{5 x^{6} + 8 x^{5} - x^{4} + 12 x^{3} + 3 x^{2} + 4 x + 1}{(x - 1) (x + 1) (x^{2} + 1) (x^{3} + x^{2} - x + 1)}$$

Sequence: A008611
Score: 15.8931
Type of gen. func.: ogf

$$\frac{x^{2} - x + 1}{(x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A008611
Score: 20.7882
Type of gen. func.: lgdogf

$$- \frac{2 x (x^{3} - x^{2} + 2 x + 1)}{(x - 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A008611
Score: 33.3372
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + 2 x^2 + x$$

Sequence: A008611
Score: 5.94772
Type of gen. func.: ogf

$\{(-n - 4) a(n + 1) - a(n + 2) - a(n + 3) + (n + 3) a(n + 4), a(0) = 1, a(1) = 0,$
$a(2) = 1, a(3) = 2\}$

Sequence: A008611
Score: 8.28614
Type of gen. func.: ogf

$$-(11 f(x) + 23) (f(x) x^4 - f(x) x^3 - f(x) x - x^2 + f(x) + x - 1)$$

Sequence: A008612
Score: 11.3986
Type of gen. func.: ogf

$$\frac{x^4 - x^2 + 1}{(x + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A008612
Score: 17.0480
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{11} + x^2 (x^3 + x + 1)$$

Sequence: A008612
Score: 9.22406
Type of gen. func.: lgdogf

$$-\frac{x^2 (x^5 + x^4 - x^3 + x^2 + 7 x + 3)}{(x - 1) (x + 1) (x^2 + x + 1) (x^4 - x^2 + 1)}$$

Sequence: A008613
Score: 4.50787
Type of gen. func.: ogf

$$-\frac{x^8+x^7-x^5-x^4-x^3+x+1}{(x^2+x+1)(x^4+x^3+x^2+x+1)(x+1)^2(x-1)^3}$$

Sequence: A008614
Score: 5.52869
Type of gen. func.: ogf

$$-\frac{x^{12}+x^{11}-x^9-x^8+x^6-x^4-x^3+x+1}{(x^2+x+1)(x^6+x^5+x^4+x^3+x^2+x+1)(x^2+1)(x+1)^2(x-1)^3}$$

Sequence: A008615
Score: 20.5958
Type of gen. func.: ogf

$$\frac{x^2}{(x+1)(x^2+x+1)(x-1)^2}$$

Sequence: A008615
Score: 24.2719
Type of gen. func.: lgdogf

$$-\frac{x(5x^2+5x+2)}{(x-1)(x+1)(x^2+x+1)}$$

Sequence: A008615
Score: 36.9777
Type of gen. func.: ogf_with_Euler_transform]

2

$$[x + x]$$

Sequence: A008615
Score: 9.75588
Type of gen. func.: ogf

$$f(x) (f(x) x^{5} - f(x) x^{3} - f(x) x^{2} - x^{2} + f(x))$$

Sequence: A008616
Score: 16.4357
Type of gen. func.: lgdogf

$$- \frac{x (7 x^{4} + 7 x^{3} + 2 x^{2} + 2 x + 2)}{(x - 1) (x + 1) (x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A008616
Score: 23.4751
Type of gen. func.: ogf

$$\frac{1}{(x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A008616
Score: 38.4152
Type of gen. func.: ogf_with_Euler_transform]

$$[x^{4} + x]$$

Sequence: A008617
Score: 16.5768
Type of gen. func.: ogf

$$\frac{1}{(x + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A008617
Score: 23.3667
Type of gen. func.: ogf_with_Euler_transform]

$$x\left(x^{5}+1\right)$$

Sequence: A008617
Score: 8.65756
Type of gen. func.: lgdogf

$$-\frac{x\left(9x^{6}+9x^{5}+2x^{4}+2x^{3}+2x^{2}+2x+2\right)}{(x-1)(x+1)\left(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1\right)}$$

Sequence: A008618
Score: 16.0783
Type of gen. func.: ogf

$$\frac{1}{(x+1)\left(x^{2}+x+1\right)\left(x^{6}+x^{3}+1\right)(x-1)^{2}}$$

Sequence: A008618
Score: 32.0615
Type of gen. func.: ogf_with_Euler_transform]

$$x^{8}+x$$

Sequence: A008618
Score: 7.67375
Type of gen. func.: lgdogf

$$-\frac{x\left(11x^{8}+11x^{7}+2x^{6}+2x^{5}+2x^{4}+2x^{3}+2x^{2}+2x+2\right)}{(x-1)(x+1)\left(x^{2}+x+1\right)\left(x^{6}+x^{3}+1\right)}$$

Sequence: A008619

Score: 11.775
Type of gen. func.: ogf

$$-f(x)\,x^3 + f(x)\,x^2 + f(x)\,x - f(x) + 1$$

Sequence: A008619
Score: 24.5047
Type of gen. func.: ogf

$$\frac{1}{(x + 1)\,(x - 1)^2}$$

Sequence: A008619
Score: 43.0407
Type of gen. func.: ogf_with_Euler_transform]

$$[x + 1]$$

Sequence: A008619
Score: 44.4701
Type of gen. func.: lgdogf

$$-\frac{3\,x + 1}{(x - 1)\,(x + 1)}$$

Sequence: A008619
Score: 8.09529
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n),\ a(0) = 1,\ a(1) = 1,\ a(2) = 2\}$$

Sequence: A008620
Score: 22.3149
Type of gen. func.: ogf

$$\frac{1}{(x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A008620
Score: 32.0529
Type of gen. func.: lgdogf

$$- \frac{4 x^{2} + x + 1}{(x - 1) (x^{2} + x + 1)}$$

Sequence: A008620
Score: 36.4880
Type of gen. func.: ogf_with_Euler_transform]

$$[x^{2} + 1]$$

Sequence: A008620
Score: 7.37830
Type of gen. func.: ogf

{-a(n + 4) + a(n + 3) + a(n + 1) - a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 2

}

Sequence: A008620
Score: 9.63062
Type of gen. func.: ogf

$$-f(x) (f(x) x^{4} - f(x) x^{3} - f(x) x + f(x) - 1)$$

Sequence: A008621
Score: 21.9287
Type of gen. func.: lgdogf

-a(n + 4) + a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 5

Sequence: A008621
Score: 22.8934
Type of gen. func.: ogf

$$\frac{1}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A008621
Score: 37.4407
Type of gen. func.: ogf_with_Euler_transform]

$$[x^3 + 1]$$

Sequence: A008621
Score: 9.88033
Type of gen. func.: ogf

$$-f(x) (f(x) x^5 - f(x) x^4 - f(x) x + f(x) - 1)$$

Sequence: A008622
Score: 11.5783
Type of gen. func.: ogf

$$- 1/((x^2 + x + 1) (x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x + 1)^2 (x - 1)^3)$$

Sequence: A008622
Score: 28.3459
Type of gen. func.: ogf_with_Euler_transform]

$$x^6 + x^5 + x^3$$

Sequence: A008624
Score: 10.9492
Type of gen. func.: ogf

$$\frac{x^2 - x + 1}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A008624
Score: 11.7032
Type of gen. func.: lgdogf

$$-\frac{x\,(3\,x^{4}-3\,x^{3}+5\,x^{2}+x+2)}{(x-1)\,(x+1)\,(x^{2}+1)\,(x^{2}-x+1)}$$

Sequence: A008624
Score: 17.9844
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{5}+x^{3}+x^{2}+x$$

Sequence: A008625
Score: 8.01394
Type of gen. func.: ogf

$$-\frac{(x^{4}-x^{3}+x^{2}-x+1)\,(x^{4}-x^{2}+1)}{(x^{2}+x+1)\,(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)\,(x-1)^{3}}$$

Sequence: A008627
Score: 16.5958
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{11}+x^{5}+x^{3}+x^{2}+x+1$$

Sequence: A008627
Score: 7.93997
Type of gen. func.: ogf

$$\frac{x^{4}-x^{2}+1}{(x+1)^{2}\,(x^{2}+x+1)\,(x-1)^{4}}$$

Sequence: A008627
Score: 8.14652
Type of gen. func.: lgdogf

$$-\frac{4x^7+5x^6-2x^4+6x^3+6x^2+4x+1}{(x-1)(x+1)(x^2+x+1)(x^4-x^2+1)}$$

Sequence: A008628
Score: 14.1681
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{19}+x^9+x^4+x^3+x^2+x+1$$

Sequence: A008628
Score: 5.54234
Type of gen. func.: ogf

$$-\frac{x^8-x^6+x^4-x^2+1}{(x^2+x+1)(x^4+x^3+x^2+x+1)(x+1)^2(x-1)^5}$$

Sequence: A008634
Score: 24.6033
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(-\frac{1}{x^{11}}+1\right)x^{11}}{x-1}$$

Sequence: A008635
Score: 17.8824
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(-\frac{1}{x^{12}}+1\right)x^{12}}{x-1}$$

Sequence: A008636
Score: 14.9618
Type of gen. func.: ogf_with_Euler_transform]

$$x^6 + x^5 + x^4 + x^3 + x^2 + x + 1$$

Sequence: A008637
Score: 14.8921
Type of gen. func.: ogf_with_Euler_transform]

$$(x + 1)\ (x^2 + 1)\ (x^4 + 1)$$

Sequence: A008638
Score: 15.1827
Type of gen. func.: ogf_with_Euler_transform]

$$(x^2 + x + 1)\ (x^6 + x^3 + 1)$$

Sequence: A008639
Score: 18.1638
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(- \frac{1}{x^{10}} + 1\right) x^{10}}{x - 1}$$

Sequence: A008640
Score: 24.6033
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(- \frac{1}{x^{11}} + 1\right) x^{11}}{x - 1}$$

Sequence: A008641
Score: 18.5199
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(- \frac{1}{x^{12}} + 1\right) x^{12}}{x - 1}$$

Sequence: A008642
Score: 11.1221
Type of gen. func.: ogf

$$- \frac{1}{(x^2 + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A008642
Score: 17.7405
Type of gen. func.: lgdogf

$$- \frac{7 x^3 + x^2 + 3 x + 1}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A008642
Score: 26.3495
Type of gen. func.: ogf_with_Euler_transform]

$$[x^3 + x + 1]$$

Sequence: A008643
Score: 25.2239
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 + x^3 + x + 1$$

Sequence: A008643
Score: 5.84543
Type of gen. func.: ogf

$$\frac{1}{(x^4+1)(x^2+1)^2(x+1)^3(x-1)^4}$$

Sequence: A008643
Score: 9.07132
Type of gen. func.: lgdogf

$$-\frac{15x^7+x^6+3x^5+x^4+7x^3+x^2+3x+1}{(x-1)(x+1)(x^2+1)(x^4+1)}$$

Sequence: A008644
Score: 23.5670
Type of gen. func.: ogf_with_Euler_transform]

$$x^{15}+x^7+x^3+x+1$$

Sequence: A008644
Score: 8.00662
Type of gen. func.: lgdogf

$$-(31x^{15}+x^{14}+3x^{13}+x^{12}+7x^{11}+x^{10}+3x^9+x^8+15x^7+x^6+3x^5+x^4+7x^3+x^2+3x+1)\Big/\big((x-1)(x+1)(x^2+1)(x^4+1)(x^8+1)\big)$$

Sequence: A008646
Score: 6.23634
Type of gen. func.: ogf

$$-\frac{x^4-3x^3+5x^2-3x+1}{(x^4+x^3+x^2+x+1)(x-1)^5}$$

Sequence: A008646
Score: 7.56838
Type of gen. func.: lgdogf

$$-\frac{5 x^{8} - 14 x^{7} + 27 x^{6} - 12 x^{5} + 9 x^{4} + 4 x^{3} + 3 x^{2} + 2 x + 1}{(x - 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - 3 x^{3} + 5 x^{2} - 3 x + 1)}$$

Sequence: A008647
Score: 15.8239
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{17} + x^{8} + x^{5} + x^{3}$$

Sequence: A008647
Score: 7.58753
Type of gen. func.: lgdogf

$$-\frac{x^{3} (x^{8} + x^{7} + x^{6} - x^{5} + 2 x^{4} + 2 x^{3} + 10 x^{2} + 4 x + 4)}{(x - 1) (x + 1) (x^{2} + 1) (x^{2} + x + 1) (x^{6} - x^{3} + 1)}$$

Sequence: A008647
Score: 9.66054
Type of gen. func.: ogf

$$\frac{x^{6} - x^{3} + 1}{(x + 1) (x^{2} + 1) (x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A008648
Score: 22.5966
Type of gen. func.: ogf_with_Euler_transform]

$$x^{24} + x^{4} + 1$$

Sequence: A008648
Score: 8.83670
Type of gen. func.: ogf

$$-\frac{1}{(x^{20}+x^{15}+x^{10}+x^{5}+1)(x^{4}+x^{3}+x^{2}+x+1)^{2}(x-1)^{3}}$$

Sequence: A008649
Score: 11.4674
Type of gen. func.: ogf

$$-\frac{1}{(x^{6}+x^{3}+1)(x^{2}+x+1)^{2}(x-1)^{3}}$$

Sequence: A008649
Score: 28.3726
Type of gen. func.: ogf_with_Euler_transform]

$$x^{8}+x^{2}+1$$

Sequence: A008649
Score: 9.55346
Type of gen. func.: lgdogf

$$-\frac{13x^{8}+x^{7}+x^{6}+4x^{5}+x^{4}+x^{3}+4x^{2}+x+1}{(x-1)(x^{2}+x+1)(x^{6}+x^{3}+1)}$$

Sequence: A008651
Score: 5.78782
Type of gen. func.: ogf

$$\frac{x^{8}+x^{7}-x^{5}-x^{4}-x^{3}+x+1}{(x+1)(x^{2}+x+1)(x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A008652
Score: 22.6098
Type of gen. func.: ogf_with_Euler_transform]

$$x^{15} + x^{3} + 1$$

Sequence: A008652
Score: 5.88025
Type of gen. func.: lgdogf

$$-(21 x^{15} + x^{14} + x^{13} + x^{12} + 5 x^{11} + x^{10} + x^{9} + x^{8} + 5 x^{7} + x^{6} + x^{5} + x^{4} + 5 x^{3} + x^{2} + x + 1) \Big/ ((x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1) (x^{8} + 1))$$

Sequence: A008652
Score: 8.84384
Type of gen. func.: ogf

$$- \frac{1}{(x^{4} + 1) (x^{8} + 1) (x + 1)^{2} (x^{2} + 1)^{2} (x - 1)^{3}}$$

Sequence: A008666
Score: 13.8225
Type of gen. func.: ogf_with_Euler_transform]

$$x^{8} + x^{5} + x^{4} + x^{2} + x$$

Sequence: A008667
Score: 16.4292
Type of gen. func.: egf]_with_Euler_transform]

$$\frac{x (x^{3} + 4 x^{2} + 12 x + 24)}{24}$$

Sequence: A008667
Score: 7.89905

Type of gen. func.: lgdogf

$$-\frac{x\left(14x^{8}+28x^{7}+44x^{6}+49x^{5}+46x^{4}+32x^{3}+18x^{2}+7x+2\right)}{(x-1)(x+1)(x^{2}+x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{2}+1)}$$

Sequence: A008667
Score: 8.49137
Type of gen. func.: ogf

$$\frac{1}{(x^{2}+x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{2}+1)(x+1)^{2}(x-1)^{4}}$$

Sequence: A008668
Score: 17.6703
Type of gen. func.: ogf_with_Euler_transform]

$$x^{14}+x^{9}+x^{5}+1$$

Sequence: A008669
Score: 11.8444
Type of gen. func.: ogf

$$\frac{1}{(x+1)(x^{2}+x+1)(x^{4}+x^{3}+x^{2}+x+1)(x-1)^{4}}$$

Sequence: A008669
Score: 22.6290
Type of gen. func.: ogf_with_Euler_transform]

$$[x^{4}+x^{2}+x+1]$$

Sequence: A008669
Score: 9.16425
Type of gen. func.: lgdogf

7 6 5 4 3 2

$$-\frac{11 x + 23 x + 27 x + 23 x + 18 x + 12 x + 5 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1) (x - 1) (x + 1)}$$

Sequence: A008670
Score: 10.7115
Type of gen. func.: lgdogf

$$-\frac{14 x^7 + x^6 + 15 x^5 + 5 x^4 + 6 x^3 + 5 x^2 + x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A008670
Score: 24.0935
Type of gen. func.: ogf_with_Euler_transform]

$$x^5 + x^3 + x^2 + 1$$

Sequence: A008670
Score: 9.32204
Type of gen. func.: ogf

$$\frac{1}{(x^2 + 1) (x^2 - x + 1) (x + 1)^2 (x^2 + x + 1)^2 (x - 1)^4}$$

Sequence: A008671
Score: 11.5468
Type of gen. func.: ogf

$$-\frac{1}{(x + 1) (x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A008671
Score: 27.5592
Type of gen. func.: ogf_with_Euler_transform]

$$x (x^5 + x + 1)$$

Sequence: A008671
Score: 8.40345
Type of gen. func.: lgdogf

$$-\frac{x\,(12\,x^{8}+24\,x^{7}+26\,x^{6}+19\,x^{5}+12\,x^{4}+12\,x^{3}+12\,x^{2}+7\,x+2)}{(x-1)\,(x+1)\,(x^{2}+x+1)\,(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)}$$

Sequence: A008672
Score: 11.5345
Type of gen. func.: lgdogf

$$-\frac{9\,x^{6}+10\,x^{5}+11\,x^{4}+6\,x^{3}+6\,x^{2}+2\,x+1}{(x-1)\,(x^{2}+x+1)\,(x^{4}+x^{3}+x^{2}+x+1)}$$

Sequence: A008672
Score: 12.6141
Type of gen. func.: ogf

$$-\frac{1}{(x^{2}+x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x-1)^{3}}$$

Sequence: A008672
Score: 26.2805
Type of gen. func.: ogf_with_Euler_transform]

$$[x^{4}+x^{2}+1]$$

Sequence: A008673
Score: 16.8295
Type of gen. func.: ogf_with_Euler_transform]

$$x^{6}+x^{4}+x^{2}+1$$

Sequence: A008673
Score: 4.63647
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^4)$$

Sequence: A008674
Score: 11.4024
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(- \frac{1}{x^{10}} + 1\right) x^{10}}{(x + 1) (x - 1)}$$

Sequence: A008675
Score: 16.2360
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(- \frac{1}{x^{12}} + 1\right) x^{12}}{(x - 1) (x + 1)}$$

Sequence: A008676
Score: 10.5514
Type of gen. func.: lgdogf

$$- \frac{x^2 (8 x^4 + 8 x^3 + 8 x^2 + 3 x + 3)}{(x - 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A008676
Score: 16.4705
Type of gen. func.: ogf

$$\frac{1}{\quad}$$

$$(x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^2$$

Sequence: A008676
Score: 23.2169
Type of gen. func.: ogf_with_Euler_transform]

$$[x^4 + x^2]$$

Sequence: A008677
Score: 20.2395
Type of gen. func.: ogf_with_Euler_transform]

$$x^6 + x^4 + x^2$$

Sequence: A008677
Score: 8.82032
Type of gen. func.: ogf

$$- 1/((x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3)$$

Sequence: A008678
Score: 15.9421
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^6 + x^4 + x^2$$

Sequence: A008678
Score: 4.75517
Type of gen. func.: ogf

$$1/((x^4 + x^3 + x^2 + x + 1) (x^6 + x^3 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A008679
Score: 14.1054
Type of gen. func.: lgdogf

$$-\frac{x^{2} (7 x^{3} + 7 x^{2} + 7 x + 3)}{(x - 1) (x + 1) (x^{2} + 1) (x^{2} + x + 1)}$$

Sequence: A008679
Score: 18.6865
Type of gen. func.: ogf

$$\frac{1}{(x + 1) (x^{2} + 1) (x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A008679
Score: 26.3495
Type of gen. func.: ogf_with_Euler_transform]

$$[x^{3} + x^{2}]$$

Sequence: A008680
Score: 12.1870
Type of gen. func.: ogf

$$-\frac{1}{(x + 1) (x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{2} + 1) (x - 1)^{3}}$$

Sequence: A008680
Score: 27.2475
Type of gen. func.: ogf_with_Euler_transform]

$$x^{4} + x^{3} + x^{2}$$

Sequence: A008680
Score: 8.67112

Type of gen. func.: lgdogf

$$-\frac{x^2 (12 x^7 + 24 x^6 + 36 x^5 + 39 x^4 + 34 x^3 + 22 x^2 + 10 x + 3)}{(x - 1) (x + 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + 1)}$$

Sequence: A008681
Score: 12.4343
Type of gen. func.: egf]_with_Euler_transform]

$$\frac{x^2 (x^3 + 5 x^2 + 20 x + 60)}{120}$$

Sequence: A008681
Score: 4.72751
Type of gen. func.: ogf

$$1/((x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x + 1)^2 (x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A008681
Score: 5.18834
Type of gen. func.: lgdogf

$$- x^2 (18 x^9 + 18 x^8 + 36 x^7 + 39 x^6 + 43 x^5 + 33 x^4 + 28 x^3 + 15 x^2 + 7 x + 3) / ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + 1))$$

Sequence: A008682
Score: 15.0447
Type of gen. func.: egf]_with_Euler_transform]

$$\frac{x^3 (x^2 + 5 x + 20)}{120}$$

Sequence: A008682
Score: 5.58270
Type of gen. func.: lgdogf

$$-\frac{x^{3}\,(15\,x^{8}+15\,x^{7}+30\,x^{6}+30\,x^{5}+34\,x^{4}+24\,x^{3}+19\,x^{2}+9\,x+4)}{(x-1)\,(x+1)\,(x^{2}+x+1)\,(x^{2}-x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{2}+1)}$$

Sequence: A008682
Score: 8.74133
Type of gen. func.: ogf

$$-1/\left((x^{2}+x+1)\,(x^{2}-x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{2}+1)\,(x+1)^{2}\,(x-1)^{3}\right)$$

Sequence: A008684
Score: 8.11042
Type of gen. func.: ogf

$$-\frac{961\,x^{32}-961\,x^{31}-28\,x^{28}+31}{(28\,x^{28}-31)\,(x-1)^{2}}$$

Sequence: A008706
Score: 11.5636
Type of gen. func.: ogf

$$\frac{x^{2}+3\,x+1}{(x-1)^{2}}$$

Sequence: A008706
Score: 11.6225
Type of gen. func.: ogf

$$-f(x)\,x^{2}+2\,f(x)\,x+x^{2}-f(x)+3\,x+1$$

Sequence: A008706
Score: 22.9864
Type of gen. func.: lgdogf

$$-\frac{5\ (x + 1)}{(x - 1)\ (x^2 + 3\ x + 1)}$$

Sequence: A008706
Score: 5.95021
Type of gen. func.: ogf

$$\{-a(n + 3) + 2\ a(n + 2) - a(n + 1),\ a(0) = 1,\ a(1) = 5,\ a(2) = 10\}$$

Sequence: A008710
Score: 2.11231
Type of gen. func.: ogf

$$(f(x)\ x^2 - 2\ f(x)\ x + f(x) + 9\ x - 10)^2$$

Sequence: A008711
Score: 2.32858
Type of gen. func.: ogf

$$(f(x)\ x^2 - 2\ f(x)\ x + f(x) + 9\ x - 10)^2$$

Sequence: A008712
Score: 2.40716
Type of gen. func.: ogf

$$-(f(x)\ x^2 - 2\ f(x)\ x + f(x) + 9\ x - 10)^2$$

Sequence: A008713
Score: 2.69557
Type of gen. func.: ogf

$$-(f(x) x^2 - 2 f(x) x + f(x) + 9 x - 10)^2$$

Sequence: A008714
Score: 2.91191
Type of gen. func.: ogf

$$-(f(x) x^2 - 2 f(x) x + f(x) + 9 x - 10)^2$$

Sequence: A008715
Score: 3.13124
Type of gen. func.: ogf

$$-(f(x) x^2 - 2 f(x) x + f(x) + 9 x - 10)^2$$

Sequence: A008716
Score: 2.51504
Type of gen. func.: ogf

$$(23460 f(x) + 1258661) (f(x) x^2 - 2 f(x) x + f(x) + 9 x - 10)^2$$

Sequence: A008717
Score: 2.62891
Type of gen. func.: ogf

$$-(1939 f(x) + 104030) (f(x) x^2 - 2 f(x) x + f(x) + 9 x - 10)^2$$

Sequence: A008718
Score: 15.0234
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{17} + x^{11} + x^8 + x^5 + x^3 + 1$$

Sequence: A008718
Score: 6.14484
Type of gen. func.: ogf

$$\frac{x^6 - x^3 + 1}{(x^2 - x + 1)(x^4 - x^2 + 1)(x + 1)^2 (x^2 + 1)^2 (x^2 + x + 1)^2 (x - 1)^4}$$

Sequence: A008719
Score: 17.1106
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^5 + x^3 + 1$$

Sequence: A008719
Score: 4.56780
Type of gen. func.: ogf

$$\frac{1}{(x^4 - x^2 + 1)(x^2 + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2 (x + 1)^3 (x - 1)^4}$$

Sequence: A008719
Score: 5.84555
Type of gen. func.: lgdogf

$$-\frac{23 x^{11} + x^{10} + x^9 + x^8 + 5 x^7 + x^6 + 7 x^5 + x^4 + 5 x^3 + x^2 + x + 1}{(x^2 - x + 1)(x^2 + x + 1)(x^2 + 1)(x - 1)(x + 1)(x^4 - x^2 + 1)}$$

Sequence: A008720
Score: 11.3187
Type of gen. func.: lgdogf

$$-\frac{x (9 x^4 + 9 x^3 + 4 x^2 + 4 x + 4)}{(x - 1)(x + 1)(x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A008720
Score: 11.6603
Type of gen. func.: ogf

$$-\frac{1}{(x^4+x^3+x^2+x+1)(x+1)^2(x-1)^3}$$

Sequence: A008720
Score: 26.4741
Type of gen. func.: ogf_with_Euler_transform]

$$[x^4+2x]$$

Sequence: A008721
Score: 11.3653
Type of gen. func.: ogf

$$-\frac{1}{(x^6+x^5+x^4+x^3+x^2+x+1)(x+1)^2(x-1)^3}$$

Sequence: A008721
Score: 22.6374
Type of gen. func.: ogf_with_Euler_transform]

$$x(x^5+2)$$

Sequence: A008721
Score: 8.18868
Type of gen. func.: lgdogf

$$-\frac{x(11x^6+11x^5+4x^4+4x^3+4x^2+4x+4)}{(x-1)(x+1)(x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A008722
Score: 14.1608
Type of gen. func.: ogf

```
                         1
 - --------------------------------------------
     2            6    3             2        3
```

$$(x + x + 1) (x + x + 1) (x + 1) (x - 1)$$

Sequence: A008722
Score: 42.3525
Type of gen. func.: ogf_with_Euler_transform]

$$x^{8} + 2 x$$

Sequence: A008722
Score: 7.47431
Type of gen. func.: lgdogf

$$- \frac{x (13 x^{8} + 13 x^{7} + 4 x^{6} + 4 x^{5} + 4 x^{4} + 4 x^{3} + 4 x^{2} + 4 x + 4)}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{6} + x^{3} + 1)}$$

Sequence: A008723
Score: 10.1487
Type of gen. func.: ogf

$$- \frac{1}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x + 1)^{2} (x - 1)^{3}}$$

Sequence: A008723
Score: 29.4048
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + 2 x$$

Sequence: A008723
Score: 5.35761
Type of gen. func.: lgdogf

$$- x (15 x^{10} + 15 x^{9} + 4 x^{8} + 4 x^{7} + 4 x^{6} + 4 x^{5} + 4 x^{4} + 4 x^{3} + 4 x^{2} + 4 x + 4)$$

$$/ ((x - 1) (x + 1) (x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)$$

)

Sequence: A008724
Score: 15.6751
Type of gen. func.: lgdogf

$$-\frac{2\,(4\,x^5+x^4+x^3+x^2+x+1)}{(x-1)\,(x^2+x+1)\,(x+1)\,(x^2-x+1)}$$

Sequence: A008724
Score: 15.9501
Type of gen. func.: ogf

$$-\frac{x^4}{(x+1)\,(x^2+x+1)\,(x^2-x+1)\,(x-1)^3}$$

Sequence: A008724
Score: 36.2337
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5+2]$$

Sequence: A008725
Score: 12.1456
Type of gen. func.: lgdogf

$$-\frac{9\,x^6+2\,x^5+2\,x^4+2\,x^3+2\,x^2+2\,x+2}{(x-1)\,(x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A008725
Score: 15.2052
Type of gen. func.: ogf

```
                  1
- ---------------------------------------
   6    5    4    3    2                3
```

$$(x + x + x + x + x + x + 1) (x - 1)$$

Sequence: A008725
Score: 34.5313
Type of gen. func.: ogf_with_Euler_transform]

$$[x^6 + 2]$$

Sequence: A008726
Score: 13.8995
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A008726
Score: 15.1439
Type of gen. func.: ogf

$$- \frac{1}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^3}$$

Sequence: A008726
Score: 34.9981
Type of gen. func.: ogf_with_Euler_transform]

$$[x^7 + 2]$$

Sequence: A008727
Score: 10.7512
Type of gen. func.: lgdogf

$$- \frac{11 x^8 + 2 x^7 + 2 x^6 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A008727
Score: 14.6765
Type of gen. func.: ogf

$$-\frac{1}{(x^2+x+1)(x^6+x^3+1)(x-1)^3}$$

Sequence: A008727
Score: 41.0748
Type of gen. func.: ogf_with_Euler_transform]

$$x^8+2$$

Sequence: A008728
Score: 15.6701
Type of gen. func.: ogf

$$-\frac{1}{(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x-1)^3}$$

Sequence: A008728
Score: 41.6286
Type of gen. func.: ogf_with_Euler_transform]

$$x^9+2$$

Sequence: A008728
Score: 9.56542
Type of gen. func.: lgdogf

$$-\frac{2(6x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)}{(x-1)(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)}$$

Sequence: A008729

Score: 14.4868
Type of gen. func.: ogf

$$-\frac{1}{(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^3}$$

Sequence: A008729
Score: 39.3597
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10}+2$$

Sequence: A008729
Score: 7.54487
Type of gen. func.: lgdogf

$$-\frac{13x^{10}+2x^9+2x^8+2x^7+2x^6+2x^5+2x^4+2x^3+2x^2+2x+2}{(x-1)(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A008730
Score: 15.4473
Type of gen. func.: ogf

$$-\frac{1}{(x+1)(x^2+1)(x^2+x+1)(x^2-x+1)(x^4-x^2+1)(x-1)^3}$$

Sequence: A008730
Score: 39.1714
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11}+2$$

Sequence: A008730
Score: 8.15780
Type of gen. func.: lgdogf

$$-\frac{2\,(7\,x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}{(x^{2} - x + 1)\,(x^{2} + x + 1)\,(x^{2} + 1)\,(x - 1)\,(x + 1)\,(x^{4} - x^{2} + 1)}$$

Sequence: A008731
Score: 14.2465
Type of gen. func.: ogf

$$-\frac{1}{(x^{2} + x + 1)\,(x + 1)^{2}\,(x - 1)^{3}}$$

Sequence: A008731
Score: 16.9784
Type of gen. func.: lgdogf

$$-\frac{x\,(7\,x^{2} + 7\,x + 4)}{(x - 1)\,(x^{2} + x + 1)\,(x + 1)}$$

Sequence: A008731
Score: 32.3567
Type of gen. func.: ogf_with_Euler_transform]

$$[x^{2} + 2\,x]$$

Sequence: A008732
Score: 11.9692
Type of gen. func.: ogf

$$-\frac{1}{(x^{4} + x^{3} + x^{2} + x + 1)\,(x - 1)^{3}}$$

Sequence: A008732
Score: 12.3760
Type of gen. func.: lgdogf

4   3   2

$$-\frac{7\,x + 2\,x + 2\,x + 2\,x + 2}{(x-1)\,(x^4+x^3+x^2+x+1)}$$

Sequence: A008732
Score: 25.2402
Type of gen. func.: ogf_with_Euler_transform]

$$[x^4 + 2]$$

Sequence: A008733
Score: 14.3146
Type of gen. func.: lgdogf

$$-\frac{x\,(5\,x^4 - 5\,x^3 + 9\,x^2 - x + 4)}{(x-1)\,(x+1)\,(x^2+1)\,(x^2-x+1)}$$

Sequence: A008733
Score: 21.9102
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^3 + x^2 + 2\,x$$

Sequence: A008733
Score: 8.75217
Type of gen. func.: ogf

$$-\frac{x^2 - x + 1}{(x^2+1)\,(x+1)^2\,(x-1)^3}$$

Sequence: A008734
Score: 17.5157
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9 + x^7 + x^4 + 2\,x$$

Sequence: A008734
Score: 5.63899
Type of gen. func.: lgdogf

$$-x\,(7x^{10}-7x^{9}+11x^{8}-11x^{7}+15x^{6}-3x^{5}+7x^{4}-3x^{3}+8x^{2}-4x+4)\Big/\big((x-1)(x+1)(x^{2}+1)(x^{4}-x^{3}+x^{2}-x+1)(x^{4}+1)\big)$$

Sequence: A008734
Score: 5.86424
Type of gen. func.: ogf

$$-\frac{x^{4}-x^{3}+x^{2}-x+1}{(x^{2}+1)(x^{4}+1)(x+1)^{2}(x-1)^{3}}$$

Sequence: A008735
Score: 5.05741
Type of gen. func.: ogf

$$-\frac{x^{6}-x^{5}+x^{4}-x^{3}+x^{2}-x+1}{(x^{2}+1)(x^{2}+x+1)(x^{2}-x+1)(x^{4}-x^{2}+1)(x+1)^{2}(x-1)^{3}}$$

Sequence: A008736
Score: 16.6238
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{17}+x^{15}+x^{8}+2x$$

Sequence: A008736
Score: 4.48966
Type of gen. func.: ogf

```
                              2            6    3
                            (x  - x + 1) (x  - x  + 1)
                 - --------------------------------------------
                     2        4        8             2        3
```

$$(x + 1) (x + 1) (x + 1) (x + 1) (x - 1)$$

Sequence: A008737
Score: 12.9651
Type of gen. func.: lgdogf

$$- \frac{2 (6 x^5 + x^4 + x^2 + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A008737
Score: 5.94608
Type of gen. func.: ogf

$$- \frac{x^6}{(x + 1) (x^2 + x + 1)^2 (x^2 - x + 1)^2 (x - 1)^3}$$

Sequence: A008738
Score: 10.9617
Type of gen. func.: ogf

$$- \frac{x^2 (x + 1) (x^2 - x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A008738
Score: 22.7165
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^4 + x^2 + 2$$

Sequence: A008738
Score: 9.95114
Type of gen. func.: lgdogf

$$- \frac{4 x^7 + 2 x^6 + 2 x^5 + 9 x^4 + 4 x^3 + 5 x^2 + 2 x + 2}{}$$

$$(x - 1) (x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1)$$

Sequence: A008739
Score: 11.1322
Type of gen. func.: ogf

$$- \frac{x^4 + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A008739
Score: 21.8674
Type of gen. func.: ogf_with_Euler_transform]

$$-x^7 + x^6 + x^3 + 2$$

Sequence: A008739
Score: 5.81225
Type of gen. func.: lgdogf

$$- \frac{5 x^{10} + 2 x^9 + 2 x^8 + 2 x^7 + 11 x^6 + 4 x^5 + 4 x^4 + 6 x^3 + 2 x^2 + 2 x + 2}{(x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + 1)}$$

Sequence: A008740
Score: 16.7534
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9 + x^8 + x^4 + 2$$

Sequence: A008740
Score: 8.31017
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^4 - x^3 + x^2 - x + 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^3}$$

Sequence: A008742
Score: 11.9669
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{11} + x (x^4 + x^2 + x + 1)$$

Sequence: A008742
Score: 7.63749
Type of gen. func.: ogf

$$-\frac{x^4 - x^2 + 1}{(x^2 + x + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A008742
Score: 9.10236
Type of gen. func.: lgdogf

$$-\frac{x (3 x^6 + 3 x^5 - x^4 - x^3 + 7 x^2 + 5 x + 2)}{(x - 1) (x + 1) (x^2 + x + 1) (x^4 - x^2 + 1)}$$

Sequence: A008743
Score: 7.54950
Type of gen. func.: lgdogf

$$- x (3 x^{10} + 3 x^9 + 5 x^8 - x^7 + 2 x^6 - 2 x^5 + 10 x^4 + 4 x^3 + 8 x^2 + 2 x + 2) / ((x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1) (x^6 - x^3 + 1))$$

Sequence: A008743
Score: 7.92324
Type of gen. func.: ogf

$$-\frac{x^6 - x^3 + 1}{}$$

$$(x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^3$$

Sequence: A008747
Score: 10.0450
Type of gen. func.: lgdogf

$$- \frac{2 x^7 + 3 x^6 + 4 x^5 + 5 x^4 + 10 x^3 + 7 x^2 + 4 x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^4 + 1)}$$

Sequence: A008747
Score: 11.3470
Type of gen. func.: ogf

$$- \frac{x^4 + 1}{(x + 1) (x^2 + x + 1) (x - 1)^3}$$

Sequence: A008747
Score: 20.1166
Type of gen. func.: ogf_with_Euler_transform]

$$-x^7 + x^3 + x^2 + x + 1$$

Sequence: A008748
Score: 14.3417
Type of gen. func.: lgdogf

$$- \frac{x^6 + 3 x^4 + 2 x^2 + 2 x + 1}{(x - 1) (x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A008748
Score: 20.5993
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9 + x^4 + x^2 + x + 1$$

Sequence: A008748
Score: 9.11966
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 + x^2 - x + 1}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A008749
Score: 14.8506
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{11} + x^5 + x^2 + x + 1$$

Sequence: A008749
Score: 7.28154
Type of gen. func.: lgdogf

$$-\frac{x^8 + 4 x^7 + 7 x^6 + 6 x^5 + 6 x^3 + 7 x^2 + 4 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1) (x^4 - x^2 + 1)}$$

Sequence: A008749
Score: 8.59088
Type of gen. func.: ogf

$$-\frac{(x^2 + 1) (x^4 - x^2 + 1)}{(x + 1) (x^2 + x + 1) (x - 1)^3}$$

Sequence: A008750
Score: 14.8506
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{13} + x^6 + x^2 + x + 1$$

Sequence: A008750
Score: 5.75352
Type of gen. func.: ogf

$$-\frac{x^6 - x^5 + x^4 - x^3 + x^2 - x + 1}{(x^2 + x + 1)(x - 1)^3}$$

Sequence: A008750
Score: 7.45914
Type of gen. func.: lgdogf

$$\frac{x^8 - 2x^7 - x^6 - 4x^5 + 2x^4 - 2x^2 - 2x - 1}{(x - 1)(x^2 + x + 1)(x^6 - x^5 + x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A008751
Score: 14.7589
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{15} + x^7 + x^2 + x + 1$$

Sequence: A008751
Score: 7.59723
Type of gen. func.: lgdogf

$$\frac{2x^{11} + x^{10} - 4x^9 - 9x^8 - 8x^7 - 6x^3 - 7x^2 - 4x - 1}{(x - 1)(x + 1)(x^2 + x + 1)(x^8 + 1)}$$

Sequence: A008751
Score: 8.53785
Type of gen. func.: ogf

$$-\frac{x^8 + 1}{(x + 1)(x^2 + x + 1)(x - 1)^3}$$

Sequence: A008752
Score: 14.7589
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{17} + x^{8} + x^{2} + x + 1$$

Sequence: A008752
Score: 4.98610
Type of gen. func.: ogf

$$-\frac{(x^{2} - x + 1)(x^{6} - x^{3} + 1)}{(x^{2} + x + 1)(x - 1)^{3}}$$

Sequence: A008752
Score: 6.53525
Type of gen. func.: lgdogf

$$\frac{3x^{10} - 4x^{9} + x^{8} - 8x^{7} + 6x^{6} - 4x^{5} + 2x^{4} - 2x^{2} - 2x - 1}{(x - 1)(x^{2} + x + 1)(x^{2} - x + 1)(x^{6} - x^{3} + 1)}$$

Sequence: A008753
Score: 14.7589
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{19} + x^{9} + x^{2} + x + 1$$

Sequence: A008753
Score: 5.73376
Type of gen. func.: lgdogf

$$\frac{4x^{13} + 3x^{12} - 4x^{11} - 11x^{10} - 10x^{9} - 6x^{3} - 7x^{2} - 4x - 1}{(x - 1)(x + 1)(x^{2} + x + 1)(x^{2} + 1)(x^{8} - x^{6} + x^{4} - x^{2} + 1)}$$

Sequence: A008753
Score: 8.42247
Type of gen. func.: ogf

$$-\frac{(x^2+1)(x^8-x^6+x^4-x^2+1)}{(x+1)(x^2+x+1)(x-1)^3}$$

Sequence: A008754
Score: 14.3261
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{21}+x^{10}+x^2+x+1$$

Sequence: A008754
Score: 4.36192
Type of gen. func.: ogf

$$-\frac{x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1}{(x^2+x+1)(x-1)^3}$$

Sequence: A008755
Score: 14.3261
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{23}+x^{11}+x^2+x+1$$

Sequence: A008755
Score: 6.10007
Type of gen. func.: lgdogf

$$\frac{6x^{15}+5x^{14}-4x^{13}-13x^{12}-12x^{11}-6x^3-7x^2-4x-1}{(x-1)(x+1)(x^2+x+1)(x^4+1)(x^8-x^4+1)}$$

Sequence: A008755
Score: 8.37016
Type of gen. func.: ogf

$$-\frac{(x^4+1)(x^8-x^4+1)}{(x+1)(x^2+x+1)(x-1)^3}$$

Sequence: A008757
Score: 5.12851
Type of gen. func.: lgdogf

$$\frac{8x^{17}+7x^{16}-4x^{15}-15x^{14}-14x^{13}-6x^3-7x^2-4x-1}{(x-1)(x+1)(x^2+1)(x^2+x+1)(x^{12}-x^{10}+x^8-x^6+x^4-x^2+1)}$$

Sequence: A008757
Score: 8.31785
Type of gen. func.: ogf

$$-\frac{(x^2+1)(x^{12}-x^{10}+x^8-x^6+x^4-x^2+1)}{(x+1)(x^2+x+1)(x-1)^3}$$

Sequence: A008759
Score: 6.90907
Type of gen. func.: lgdogf

$$\frac{10x^{19}+9x^{18}-4x^{17}-17x^{16}-16x^{15}-6x^3-7x^2-4x-1}{(x-1)(x+1)(x^2+x+1)(x^{16}+1)}$$

Sequence: A008759
Score: 8.51993
Type of gen. func.: ogf

$$-\frac{x^{16}+1}{(x+1)(x^2+x+1)(x-1)^3}$$

Sequence: A008761
Score: 5.39393
Type of gen. func.: lgdogf

$$\frac{12 x^{21} + 11 x^{20} - 4 x^{19} - 19 x^{18} - 18 x^{17} - 6 x^{3} - 7 x^{2} - 4 x - 1}{(x - 1) (x + 1) (x^{2} + 1) (x^{2} + x + 1) (x^{4} - x^{2} + 1) (x^{12} - x^{6} + 1)}$$

Sequence: A008761
Score: 8.51993
Type of gen. func.: ogf

$$- \frac{(x^{2} + 1) (x^{4} - x^{2} + 1) (x^{12} - x^{6} + 1)}{(x + 1) (x^{2} + x + 1) (x - 1)^{3}}$$

Sequence: A008762
Score: 20.6216
Type of gen. func.: ogf_with_Euler_transform]

$$x^{3} + x^{2} + 2$$

Sequence: A008762
Score: 6.76171
Type of gen. func.: ogf

$$\frac{1}{(x + 1) (x^{2} + 1) (x^{2} + x + 1) (x - 1)^{4}}$$

Sequence: A008762
Score: 9.16793
Type of gen. func.: lgdogf

$$- \frac{9 x^{5} + 11 x^{4} + 13 x^{3} + 9 x^{2} + 4 x + 2}{(x^{2} + x + 1) (x^{2} + 1) (x - 1) (x + 1)}$$

Sequence: A008763
Score: 10.0838
Type of gen. func.: ogf

$$\frac{x^4}{(x+1)^2 (x^2+x+1) (x-1)^4}$$

Sequence: A008763
Score: 20.4078
Type of gen. func.: lgdogf

$$-\frac{8 x^3 + 9 x^2 + 6 x + 1}{(x^2+x+1) (x-1) (x+1)}$$

Sequence: A008763
Score: 34.1350
Type of gen. func.: ogf_with_Euler_transform]

$$x^2 + 2 x + 1$$

Sequence: A008764
Score: 20.5293
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^3 + 2 x^2 + x + 1$$

Sequence: A008764
Score: 7.75839
Type of gen. func.: ogf

$$\frac{x^2 - x + 1}{(x+1) (x^2+1) (x^2+x+1) (x-1)^4}$$

Sequence: A008764
Score: 9.87747
Type of gen. func.: lgdogf

$$- \frac{7 x^7 + x^6 + 10 x^5 + 8 x^4 + 10 x^3 + 8 x^2 + 3 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A008765
Score: 14.7696
Type of gen. func.: ogf_with_Euler_transform]

$$-x^7 + 2 x^3 + x^2 + x + 1$$

Sequence: A008765
Score: 6.06243
Type of gen. func.: lgdogf

$$- \frac{6 x^9 + 7 x^8 + 10 x^7 + 8 x^6 + 18 x^5 + 16 x^4 + 18 x^3 + 8 x^2 + 4 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1) (x^4 + 1)}$$

Sequence: A008765
Score: 7.42994
Type of gen. func.: ogf

$$\frac{x^4 + 1}{(x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A008766
Score: 12.2815
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9 + x^4 + x^3 + x^2 + x + 1$$

Sequence: A008766
Score: 4.84376
Type of gen. func.: ogf

$$\frac{x^4 - x^3 + x^2 - x + 1}{(x + 1) (x^2 + 1) (x^2 + x + 1) (x - 1)^4}$$

Sequence: A008766
Score: 6.14931
Type of gen. func.: lgdogf

$$- \frac{5 x^9 + x^8 + 8 x^7 + 9 x^5 + 7 x^4 + 9 x^3 + 5 x^2 + 3 x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^2 + 1)}$$

Sequence: A008767
Score: 8.35875
Type of gen. func.: ogf

$$- \frac{x^7 (x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A008767
Score: 9.09084
Type of gen. func.: lgdogf

$$- \frac{2 (7 x^7 + 8 x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x - 1) (x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A008768
Score: 16.5164
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{13} + x^6 + x^3 + x^2 + x + 1$$

Sequence: A008768
Score: 5.88445
Type of gen. func.: ogf

$$\frac{x^{6} - x^{5} + x^{4} - x^{3} + x^{2} - x + 1}{(x + 1)\,(x^{2} + 1)\,(x^{2} + x + 1)\,(x - 1)^{4}}$$

Sequence: A008768
Score: 6.67010
Type of gen. func.: lgdogf

$$- (3 x^{11} + x^{10} + 6 x^{9} + 2 x^{8} + 9 x^{7} - x^{6} + 8 x^{5} + 2 x^{4} + 9 x^{3} + 5 x^{2} + 3 x + 1) \Big/ ((x - 1)\,(x + 1)\,(x^{2} + x + 1)\,(x^{6} - x^{5} + x^{4} - x^{3} + x^{2} - x + 1)\,(x^{2} + 1))$$

Sequence: A008769
Score: 12.2608
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{15} + x^{7} + x^{3} + x^{2} + x + 1$$

Sequence: A008769
Score: 5.01210
Type of gen. func.: lgdogf

$$- (2 x^{13} + 3 x^{12} + 6 x^{11} + 8 x^{10} + 12 x^{9} + 9 x^{8} + 8 x^{7} + 10 x^{5} + 11 x^{4} + 14 x^{3} + 8 x^{2} + 4 x + 1) \Big/ ((x - 1)\,(x + 1)\,(x^{2} + 1)\,(x^{2} + x + 1)\,(x^{8} + 1))$$

Sequence: A008769
Score: 7.52048
Type of gen. func.: ogf

$$\frac{x^{8} + 1}{}$$

$$(x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^4$$

Sequence: A008770
Score: 12.2608
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{17} + x^8 + x^3 + x^2 + x + 1$$

Sequence: A008770
Score: 3.92789
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1) (x^6 - x^3 + 1)}{(x + 1) (x^2 + 1) (x^2 + x + 1) (x - 1)^4}$$

Sequence: A008771
Score: 12.5620
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{19} + x^9 + x^3 + x^2 + x + 1$$

Sequence: A008771
Score: 5.22088
Type of gen. func.: ogf

$$\frac{x^8 - x^6 + x^4 - x^2 + 1}{(x + 1)^2 (x^2 + x + 1) (x - 1)^4}$$

Sequence: A008771
Score: 5.98457
Type of gen. func.: lgdogf

$$- \frac{x^{10} + 4 x^9 + 6 x^8 + 6 x^7 - 2 x^6 - 6 x^5 - 2 x^4 + 6 x^3 + 6 x^2 + 4 x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^8 - x^6 + x^4 - x^2 + 1)}$$

Sequence: A008772
Score: 12.3157
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{21} + x^{10} + x^{3} + x^{2} + x + 1$$

Sequence: A008773
Score: 10.1390
Type of gen. func.: ogf

$$\frac{(x^{4} + 1) (x^{8} - x^{4} + 1)}{(x^{2} + 1) (x^{2} + x + 1) (x + 1)^{2} (x - 1)^{4}}$$

Sequence: A008773
Score: 16.4252
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{23} + x^{11} + x^{3} + x^{2} + x + 1$$

Sequence: A008776
Score: 14.9949
Type of gen. func.: ogf

$$\{a(n + 1) - 3 a(n), a(0) = 2\}$$

Sequence: A008776
Score: 19.0179
Type of gen. func.: ogf

$$-3 f(x) x + f(x) - 2$$

Sequence: A008776
Score: 31.1894
Type of gen. func.: ogf

$$-\frac{2}{3x-1}$$

Sequence: A008776
Score: 31.9336
Type of gen. func.: revegf]

$$-1/3 \ln(2) + 1/3 \ln(3x + 2)$$

Sequence: A008776
Score: 76.6406
Type of gen. func.: lgdogf

$$-\frac{3}{3x-1}$$

Sequence: A008778
Score: 20.8221
Type of gen. func.: lgdogf

$$-\frac{2x^2 - x - 5}{(x-1)(x^2 - x - 1)}$$

Sequence: A008778
Score: 6.32306
Type of gen. func.: ogf

$$(54 f(x) + 515)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + x^2 + f(x) - x - 1)$$

Sequence: A008778
Score: 8.96217
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{(x-1)^4}$$

Sequence: A008779
Score: 13.3355
Type of gen. func.: lgdogf

$$-\frac{2x^3+6x^2-6x-7}{(x-1)(x^3+x^2-2x-1)}$$

Sequence: A008779
Score: 4.60566
Type of gen. func.: ogf

$$\{(n^2+n-6)\,a(n+1)+(-3n^2-21n-72)\,a(n+2)+(2n^2+16n+30)\,a(n+3),\ a(0)=1,\ a(1)=7,\ a(2)=24\}$$

Sequence: A008779
Score: 9.47601
Type of gen. func.: ogf

$$\frac{x^3+x^2-2x-1}{(x-1)^5}$$

Sequence: A008780
Score: 11.4280
Type of gen. func.: lgdogf

$$-\frac{6x^3+18x^2-19x-11}{(x-1)(2x^3+3x^2-5x-1)}$$

Sequence: A008780
Score: 6.09381
Type of gen. func.: ogf

3   2

$$-\frac{2 x + 3 x - 5 x - 1}{(x - 1)^{6}}$$

Sequence: A008785
Score: 11.9917
Type of gen. func.: revegf]

$$1/9 \frac{3^{2/3} (\ln(3) + \ln(x + 1/3))}{(x + 1/3)^{1/3}}$$

Sequence: A008786
Score: 11.7106
Type of gen. func.: revegf]

$$1/8 \frac{2^{1/2} (2 \ln(2) + \ln(x + 1/4))}{(x + 1/4)^{1/4}}$$

Sequence: A008787
Score: 12.2987
Type of gen. func.: revegf]

$$1/25 \frac{5^{4/5} (\ln(5) + \ln(x + 1/5))}{(x + 1/5)^{1/5}}$$

Sequence: A008794
Score: 17.6041
Type of gen. func.: lgdogf

$$-\frac{3 x^{3} + x^{2} + 7 x + 1}{(x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A008794
Score: 23.2167

Type of gen. func.: ogf_with_Euler_transform]

$$[-x^3 + 3 x + 1]$$

Sequence: A008794
Score: 4.51187
Type of gen. func.: ogf

$(112 f(x) + 41)$

$$(f(x) x^5 - f(x) x^4 - 2 f(x) x^3 + x^4 + 2 f(x) x^2 + f(x) x + x^2 - f(x))$$

Sequence: A008794
Score: 8.78934
Type of gen. func.: ogf

$$-\frac{x^2 (x^2 + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A008795
Score: 17.9301
Type of gen. func.: lgdogf

$$-\frac{3 x (x^2 - x + 2)}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A008795
Score: 22.5457
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^2 + 3 x$$

Sequence: A008795
Score: 8.53531
Type of gen. func.: ogf

$$-\frac{x^2 - x + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A008796
Score: 14.6788
Type of gen. func.: ogf_with_Euler_transform]

$$-x (x^6 - x^2 - x - 2)$$

Sequence: A008796
Score: 8.62088
Type of gen. func.: ogf

$$-\frac{x^4 + 1}{(x^2 + x + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A008796
Score: 9.18246
Type of gen. func.: lgdogf

$$-\frac{x (3 x^6 + 3 x^5 + 4 x^4 + 4 x^3 + 11 x^2 + 7 x + 4)}{(x - 1) (x + 1) (x^2 + x + 1) (x^4 + 1)}$$

Sequence: A008797
Score: 17.9199
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9 + x^4 + x^3 + 2 x$$

Sequence: A008797
Score: 6.11156
Type of gen. func.: ogf

$$x^4 - x^3 + x^2 - x + 1$$

$$-\frac{}{(x^2+1)(x+1)^2(x-1)^3}$$

Sequence: A008797
Score: 8.33141
Type of gen. func.: lgdogf

$$-\frac{x(3x^6-3x^5+7x^4-7x^3+12x^2-4x+4)}{(x-1)(x+1)(x^2+1)(x^4-x^3+x^2-x+1)}$$

Sequence: A008798
Score: 13.1636
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{11}+x(x^4+x^3+2)$$

Sequence: A008798
Score: 5.63099
Type of gen. func.: lgdogf

$$-x(3x^{10}+3x^9+4x^8+4x^7+4x^6+6x^5+15x^4+9x^3+4x^2+4x+4) \Big/ ((x-1)(x+1)(x^2+1)(x^4+x^3+x^2+x+1)(x^4-x^2+1))$$

Sequence: A008798
Score: 8.58713
Type of gen. func.: ogf

$$-\frac{(x^2+1)(x^4-x^2+1)}{(x^4+x^3+x^2+x+1)(x+1)^2(x-1)^3}$$

Sequence: A008799
Score: 12.9837
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{13} + x (x^5 + x^4 + 2)$$

Sequence: A008799
Score: 5.14350
Type of gen. func.: lgdogf

$$- x (3 x^{10} - 3 x^9 + 7 x^8 - 7 x^7 + 11 x^6 - 11 x^5 + 18 x^4 - 8 x^3 + 8 x^2 - 4 x + 4) / ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^6 - x^5 + x^4 - x^3 + x^2 - x + 1))$$

Sequence: A008799
Score: 5.21686
Type of gen. func.: ogf

$$- \frac{x^6 - x^5 + x^4 - x^3 + x^2 - x + 1}{(x^2 + x + 1) (x^2 - x + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A008800
Score: 15.5264
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{15} + x^6 (x + 1) + 2 x$$

Sequence: A008800
Score: 8.39710
Type of gen. func.: ogf

$$- \frac{x^8 + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A008801
Score: 15.8550
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{17} + x^{7} (x + 1) + 2 x$$

Sequence: A008801
Score: 4.67634
Type of gen. func.: ogf

$$-\frac{(x^{2} - x + 1) (x^{6} - x^{3} + 1)}{(x^{2} + 1) (x^{4} + 1) (x + 1)^{2} (x - 1)^{3}}$$

Sequence: A008802
Score: 17.2034
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{19} + x^{9} + x^{8} + 2 x$$

Sequence: A008802
Score: 8.20605
Type of gen. func.: ogf

$$-\frac{(x^{2} + 1) (x^{8} - x^{6} + x^{4} - x^{2} + 1)}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x + 1)^{2} (x - 1)^{3}}$$

Sequence: A008803
Score: 23.8379
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{21} + x^{10} + x^{9} + 2 x$$

Sequence: A008803
Score: 5.75665
Type of gen. func.: ogf

$$-\frac{x^{10} - x^{9} + x^{8} - x^{7} + x^{6} - x^{5} + x^{4} - x^{3} + x^{2} - x + 1}{}$$

$$(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x + 1)^2 (x - 1)^3$$

Sequence: A008804
Score: 12.9479
Type of gen. func.: ogf

$$\frac{1}{(x^2 + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A008804
Score: 20.0523
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^3 + x^2 + 2 x + 1)}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A008804
Score: 28.8786
Type of gen. func.: ogf_with_Euler_transform]

$$[x^3 + x + 2]$$

Sequence: A008805
Score: 15.5522
Type of gen. func.: ogf

$$- \frac{1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A008805
Score: 31.7183
Type of gen. func.: lgdogf

$$- \frac{1 + 5 x}{(x - 1) (x + 1)}$$

Sequence: A008805
Score: 39.0828
Type of gen. func.: ogf_with_Euler_transform]

$$[1 + 2 x]$$

Sequence: A008805
Score: 6.15126
Type of gen. func.: ogf

{(n + 3) a(n + 3) - a(n + 2) + (-6 - n) a(n + 1), a(0) = 1, a(1) = 1, a(2) = 3}

Sequence: A008806
Score: 11.6420
Type of gen. func.: lgdogf

$$- \frac{2 x (2 x^4 + 2 x^2 + 3 x + 2)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A008806
Score: 22.7775
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + 2 x^2 + 2 x$$

Sequence: A008806
Score: 8.62088
Type of gen. func.: ogf

$$- \frac{x^2 - x + 1}{(x + 1) (x^2 + x + 1) (x - 1)^3}$$

Sequence: A008807
Score: 22.8335
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{9} + 2 x^{4} + 2 x$$

Sequence: A008807
Score: 6.10291
Type of gen. func.: ogf

$$-\frac{x^{4} - x^{3} + x^{2} - x + 1}{(x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{3}}$$

Sequence: A008807
Score: 7.64189
Type of gen. func.: lgdogf

$$-\frac{2 x (2 x^{8} + 2 x^{6} + 2 x^{4} + 5 x^{3} + 2 x^{2} + 2)}{(x - 1) (x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A008808
Score: 21.8711
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{13} + 2 x^{6} + 2 x$$

Sequence: A008808
Score: 5.23029
Type of gen. func.: ogf

$$-\frac{x^{6} - x^{5} + x^{4} - x^{3} + x^{2} - x + 1}{(x + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{3}}$$

Sequence: A008808
Score: 5.64633
Type of gen. func.: lgdogf

$$-2x\left(2x^{12}+2x^{10}+2x^{8}+2x^{6}+7x^{5}+2x^{4}+2x^{2}+2\right) \Big/ \left((x-1)\left(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1\right)(x+1)\left(x^{6}-x^{5}+x^{4}-x^{3}+x^{2}-x+1\right)\right)$$

Sequence: A008809
Score: 22.2906
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{17}+2x^{8}+2x$$

Sequence: A008809
Score: 4.66300
Type of gen. func.: ogf

$$-\frac{\left(x^{2}-x+1\right)\left(x^{6}-x^{3}+1\right)}{(x+1)\left(x^{2}+x+1\right)\left(x^{6}+x^{3}+1\right)(x-1)^{3}}$$

Sequence: A008809
Score: 5.50387
Type of gen. func.: lgdogf

$$-2x\left(2x^{16}+2x^{14}+2x^{12}+2x^{10}+2x^{8}+9x^{7}+2x^{6}+2x^{4}+2x^{2}+2\right) \Big/ \left((x-1)\left(x^{2}+x+1\right)\left(x^{6}+x^{3}+1\right)(x+1)\left(x^{2}-x+1\right)\left(x^{6}-x^{3}+1\right)\right)$$

Sequence: A008810
Score: 11.5199
Type of gen. func.: ogf

$$-\frac{\left(x^{2}-x+1\right)(x+1)\,x}{\left(x^{2}+x+1\right)(x-1)^{3}}$$

Sequence: A008810
Score: 14.2901
Type of gen. func.: lgdogf

$$-\frac{2\,(x^5+x^4+x^3+4\,x^2+x+1)}{(x-1)\,(x+1)\,(x^2+x+1)\,(x^2-x+1)}$$

Sequence: A008810
Score: 28.8715
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5+2\,x^2+2$$

Sequence: A008811
Score: 10.2768
Type of gen. func.: lgdogf

$$-\frac{2\,(x^3-x^2+x+1)\,(x^4+2\,x^3+2\,x^2+1)}{(x-1)\,(x+1)\,(x^2+1)\,(x^4+1)}$$

Sequence: A008811
Score: 22.9602
Type of gen. func.: ogf_with_Euler_transform]

$$-x^7+2\,x^3+2$$

Sequence: A008811
Score: 9.16977
Type of gen. func.: ogf

$$-\frac{x\,(x^4+1)}{(x+1)\,(x^2+1)\,(x-1)^3}$$

Sequence: A008812
Score: 22.1716

Type of gen. func.: ogf_with_Euler_transform]

$$-x^{9} + 2 x^{4} + 2$$

Sequence: A008812
Score: 7.01117
Type of gen. func.: lgdogf

$$-\frac{2 (x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + 6 x^{4} + x^{3} + x^{2} + x + 1)}{(x - 1) (x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A008812
Score: 8.85603
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^{4} - x^{3} + x^{2} - x + 1)}{(x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{3}}$$

Sequence: A008813
Score: 22.3131
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{11} + 2 x^{5} + 2$$

Sequence: A008813
Score: 6.31942
Type of gen. func.: lgdogf

$$-\frac{2 (x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + 7 x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1)}$$

Sequence: A008813
Score: 9.21736
Type of gen. func.: ogf

$$-\frac{(x^2+1)(x^4-x^2+1)}{(x+1)(x^2+x+1)(x^2-x+1)(x-1)^3}$$

Sequence: A008814
Score: 22.0536
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{13}+2x^6+2$$

Sequence: A008814
Score: 5.15393
Type of gen. func.: lgdogf

$$-2(x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+8x^6+x^5+x^4+x^3+x^2+x+1) / ((x-1)(x^6+x^5+x^4+x^3+x^2+x+1)(x+1)(x^6-x^5+x^4-x^3+x^2-x+1))$$

Sequence: A008814
Score: 9.11018
Type of gen. func.: ogf

$$-\frac{(x+1)(x^6-x^5+x^4-x^3+x^2-x+1)}{(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^3}$$

Sequence: A008815
Score: 21.7942
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{15}+2x^7+2$$

Sequence: A008815
Score: 5.94047

Type of gen. func.: lgdogf

$$-2 (x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + 9 x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) \Big/ ((x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1) (x^{8} + 1))$$

Sequence: A008815
Score: 8.88134
Type of gen. func.: ogf

$$-\frac{x^{8} + 1}{(x + 1) (x^{2} + 1) (x^{4} + 1) (x - 1)^{3}}$$

Sequence: A008816
Score: 22.0377
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{17} + 2 x^{8} + 2$$

Sequence: A008816
Score: 8.85972
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^{2} - x + 1) (x^{6} - x^{3} + 1)}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{3}}$$

Sequence: A008817
Score: 21.7769
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{19} + 2 x^{9} + 2$$

Sequence: A008817
Score: 8.52748
Type of gen. func.: ogf

$$-\frac{(x^2+1)(x^8-x^6+x^4-x^2+1)}{(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x-1)^3}$$

Sequence: A008818
Score: 8.15508
Type of gen. func.: ogf

$$-\frac{x^3+x^2-x+1}{(x^2+1)(x+1)^2(x-1)^3}$$

Sequence: A008818
Score: 9.94872
Type of gen. func.: lgdogf

$$-\frac{2x(2x^5+3x^4-x^3+5x^2+x+2)}{(x-1)(x+1)(x^2+1)(x^3+x^2-x+1)}$$

Sequence: A008819
Score: 4.96407
Type of gen. func.: ogf

$$-\frac{x^7-x^6+x^5+x^4-x^3+x^2-x+1}{(x^2+1)(x^4+1)(x+1)^2(x-1)^3}$$

Sequence: A008822
Score: 10.1319
Type of gen. func.: lgdogf

$$-\frac{2(x^5+4x^4+3x^3+6x^2+3x+1)}{(x-1)(x^2+x+1)(x^3+2x^2+1)}$$

Sequence: A008822
Score: 7.94212
Type of gen. func.: ogf

$$-\frac{x^3 + 2x^2 + 1}{(x^2 + x + 1)(x - 1)^3}$$

Sequence: A008823
Score: 7.14417
Type of gen. func.: lgdogf

$$-\frac{2(x^9 + x^8 + 5x^7 + 3x^6 + 3x^5 + 8x^4 + 3x^3 + 4x^2 + x + 1)}{(x - 1)(x^4 + x^3 + x^2 + x + 1)(x^5 + 2x^3 + 1)}$$

Sequence: A008823
Score: 8.12810
Type of gen. func.: ogf

$$-\frac{x^5 + 2x^3 + 1}{(x^4 + x^3 + x^2 + x + 1)(x - 1)^3}$$

Sequence: A008824
Score: 8.22032
Type of gen. func.: ogf

$$-\frac{(x^3 - x + 1)(x^4 + x^2 + x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^3}$$

Sequence: A008825
Score: 9.93713
Type of gen. func.: ogf

$$-\frac{x^9 + 2x^5 + 1}{(x^2 + x + 1)(x^6 + x^3 + 1)(x - 1)^3}$$

Sequence: A008838
Score: 12.9871
Type of gen. func.: lgdogf

$$-\frac{2\,(8\,x^{7} + x^{6} + x^{4} + x^{2} + 1)}{(x - 1)\,(x + 1)\,(x^{2} + 1)\,(x^{4} + 1)}$$

Sequence: A008838
Score: 4.45107
Type of gen. func.: ogf

$$-\frac{x^{8}}{(x + 1)\,(x^{2} + 1)^{2}\,(x^{4} + 1)^{2}\,(x - 1)^{3}}$$

Sequence: A008843
Score: 4.19526
Type of gen. func.: ogf

$$(161703\,f(x) - 8537)\,(f(x)\,x^{3} - 35\,f(x)\,x^{2} + 35\,f(x)\,x + x^{2} - f(x) + 14\,x + 1)$$

Sequence: A008843
Score: 4.33747
Type of gen. func.: ogf

$\{a(n + 3) - 35\,a(n + 2) + 35\,a(n + 1) - a(n),\ a(0) = 1,\ a(1) = 49,\ a(2) = 1681\}$

Sequence: A008843
Score: 7.99720
Type of gen. func.: ogf

$$-\frac{x^{2} + 14\,x + 1}{(x - 1)\,(x^{2} - 34\,x + 1)}$$

Sequence: A008843
Score: 8.21294
Type of gen. func.: lgdogf

$$-\frac{x^4 + 28 x^3 - 522 x^2 - 68 x + 49}{(x - 1) (x^2 - 34 x + 1) (x^2 + 14 x + 1)}$$

Sequence: A008844
Score: 10.4032
Type of gen. func.: ogf

$$-\frac{x^2 - 10 x + 1}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A008844
Score: 5.45742
Type of gen. func.: ogf

$$(161703 f(x) - 1814) (f(x) x^3 - 35 f(x) x^2 + 35 f(x) x + x^2 - f(x) - 10 x + 1)$$

Sequence: A008844
Score: 5.69063
Type of gen. func.: ogf

$\{-a(n + 3) + 35 a(n + 2) - 35 a(n + 1) + a(n), a(0) = 1, a(1) = 25, a(2) = 841\}$

Sequence: A008844
Score: 8.03536
Type of gen. func.: lgdogf

$$-\frac{x^4 - 20 x^3 + 318 x^2 - 68 x + 25}{(x - 1) (x^2 - 10 x + 1) (x^2 - 34 x + 1)}$$

Sequence: A008845

Score: 14.1070
Type of gen. func.: ogf

$$-\frac{48 x}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A008845
Score: 14.3140
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 70 x + 35}{(x^2 - 34 x + 1) (x - 1)}$$

Sequence: A008845
Score: 5.78750
Type of gen. func.: ogf

{a(n + 3) - 35 a(n + 2) + 35 a(n + 1) - a(n), a(0) = 0, a(1) = 48, a(2) = 1680}

Sequence: A008845
Score: 8.46422
Type of gen. func.: ogf

$$f(x) x^3 - 35 f(x) x^2 + 35 f(x) x - f(x) + 48 x$$

Sequence: A008851
Score: 14.9156
Type of gen. func.: ogf

$$\frac{x (4 x + 1)}{(x + 1) (x - 1)^2}$$

Sequence: A008851
Score: 24.6414
Type of gen. func.: lgdogf

2

$$-\frac{8 x + 7 x + 5}{(x - 1) (4 x + 1) (x + 1)}$$

Sequence: A008851
Score: 7.65936
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 5\}$$

Sequence: A008851
Score: 7.729
Type of gen. func.: ogf

$$(85 f(x) + 703) (f(x) x^{3} - f(x) x^{2} - f(x) x - 4 x^{2} + f(x) - x)$$

Sequence: A008852
Score: 10.6036
Type of gen. func.: ogf

$$\frac{x (24 x^{3} + 51 x^{2} + 24 x + 1)}{(x + 1) (x^{2} + 1) (x - 1)^{2}}$$

Sequence: A008852
Score: 8.53914
Type of gen. func.: lgdogf

$$-\frac{48 x^{6} + 177 x^{5} + 171 x^{4} + 104 x^{3} + 148 x^{2} + 127 x + 25}{(x - 1) (x + 1) (x^{2} + 1) (24 x^{3} + 51 x^{2} + 24 x + 1)}$$

Sequence: A008853
Score: 7.24330
Type of gen. func.: lgdogf

$$-\frac{2 (375 x^{6} + 561 x^{5} + 1062 x^{4} + 502 x^{3} + 875 x^{2} + 437 x + 188)}{(x - 1) (x + 1) (x^{2} + 1) (375 x^{3} + 249 x^{2} + 375 x + 1)}$$

Sequence: A008853
Score: 9.40144
Type of gen. func.: ogf

$$\frac{x\,(375\,x^3 + 249\,x^2 + 375\,x + 1)}{(x + 1)\,(x^2 + 1)\,(x - 1)^2}$$

Sequence: A008854
Score: 12.8912
Type of gen. func.: ogf

$$\frac{x\,(x^2 + 3\,x + 1)}{(x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A008854
Score: 15.2845
Type of gen. func.: lgdogf

$$-\frac{2\,(x^4 + 5\,x^3 + 4\,x^2 + 3\,x + 2)}{(x - 1)\,(x^2 + x + 1)\,(x^2 + 3\,x + 1)}$$

Sequence: A008854
Score: 5.14067
Type of gen. func.: ogf

$$\{(-n - 3)\,a(n + 1) - a(n + 2) - a(n + 3) + (n + 2)\,a(n + 4),\ a(0) = 0,\ a(1) = 1,\ a(2) = 4,\ a(3) = 5\}$$

Sequence: A008854
Score: 9.01001
Type of gen. func.: ogf

$$f(x)\,x^4 - f(x)\,x^3 - x^3 - f(x)\,x - 3\,x^2 + f(x) - x$$

Sequence: A008856
Score: 6.99762
Type of gen. func.: ogf

$$\frac{x\,(x^{8} + 23\,x^{7} + x^{6} + 24\,x^{5} + 2\,x^{4} + 24\,x^{3} + x^{2} + 23\,x + 1)}{(x^{2} + x + 1)\,(x^{6} + x^{3} + 1)\,(x - 1)^{2}}$$

Sequence: A008857
Score: 8.11238
Type of gen. func.: ogf

$$-\frac{x^{9}\,(x + 1)}{(x^{2} + x + 1)^{2}\,(x^{6} + x^{3} + 1)^{2}\,(x - 1)^{3}}$$

Sequence: A008857
Score: 8.58098
Type of gen. func.: lgdogf

$$-\frac{2\,(9\,x^{9} + 10\,x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}{(x - 1)\,(x + 1)\,(x^{2} + x + 1)\,(x^{6} + x^{3} + 1)}$$

Sequence: A008859
Score: 5.44366
Type of gen. func.: ogf

$$-\frac{x^{6} - 3\,x^{5} + 9\,x^{4} - 13\,x^{3} + 11\,x^{2} - 5\,x + 1}{(x - 1)^{7}}$$

Sequence: A008859
Score: 9.07515
Type of gen. func.: lgdogf

$$x^{6} + 12\,x^{4} - 16\,x^{3} + 16\,x^{2} - 8\,x + 2$$

$$- \frac{\qquad}{(x - 1) (x^6 - 3 x^5 + 9 x^4 - 13 x^3 + 11 x^2 - 5 x + 1)}$$

Sequence: A008860
Score: 4.98250
Type of gen. func.: ogf

$$\frac{(2 x^2 - 2 x + 1) (2 x^4 - 4 x^3 + 6 x^2 - 4 x + 1)}{(x - 1)^8}$$

Sequence: A008860
Score: 7.78981
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^6 - 6 x^5 + 14 x^4 - 16 x^3 + 12 x^2 - 5 x + 1)}{(x - 1) (2 x^2 - 2 x + 1) (2 x^4 - 4 x^3 + 6 x^2 - 4 x + 1)}$$

Sequence: A008861
Score: 4.16940
Type of gen. func.: ogf

$$- \frac{(x^2 - x + 1) (x^6 - 3 x^5 + 12 x^4 - 19 x^3 + 15 x^2 - 6 x + 1)}{(x - 1)^9}$$

Sequence: A008861
Score: 6.74459
Type of gen. func.: lgdogf

$$- \frac{x^8 + 20 x^6 - 40 x^5 + 60 x^4 - 56 x^3 + 34 x^2 - 12 x + 2}{(x - 1) (x^2 - x + 1) (x^6 - 3 x^5 + 12 x^4 - 19 x^3 + 15 x^2 - 6 x + 1)}$$

Sequence: A008862
Score: 3.90554
Type of gen. func.: ogf

$$\frac{(x^4 - 2 x^3 + 4 x^2 - 3 x + 1) (5 x^4 - 10 x^3 + 10 x^2 - 5 x + 1)}{(x - 1)^{10}}$$

Sequence: A008862
Score: 6.14073
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^8 - 10 x^7 + 30 x^6 - 50 x^5 + 58 x^4 - 45 x^3 + 23 x^2 - 7 x + 1)}{(x - 1) (x^4 - 2 x^3 + 4 x^2 - 3 x + 1) (5 x^4 - 10 x^3 + 10 x^2 - 5 x + 1)}$$

Sequence: A008863
Score: 3.62059
Type of gen. func.: ogf

$$- (x^{10} - 5 x^9 + 25 x^8 - 70 x^7 + 130 x^6 - 166 x^5 + 148 x^4 - 91 x^3 + 37 x^2 - 9 x + 1) \Big/ (x - 1)^{11}$$

Sequence: A008865
Score: 13.4035
Type of gen. func.: ogf

$$\frac{2 x^2 - 5 x + 1}{(x - 1)^3}$$

Sequence: A008865
Score: 23.0250
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 - 3 x - 1)}{(x - 1) (2 x^2 - 5 x + 1)}$$

Sequence: A008865
Score: 7.04839
Type of gen. func.: ogf

$$(268 f(x) - 1097) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 2 x^2 - f(x) + 5 x - 1)$$

Sequence: A008865
Score: 7.30011
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = -1, a(1) = 2, a(2) = 7\}$$

Sequence: A008893
Score: 19.8735
Type of gen. func.: lgdogf

$$- \frac{3 (4 x^2 + 20 x + 11)}{(x - 1) (4 x^2 + 13 x + 4)}$$

Sequence: A008893
Score: 3.88976
Type of gen. func.: ogf

$$\{(12 + 4 n) a(n + 4) + (-15 + 9 n) a(n + 3) + (-69 - 9 n) a(n + 2)$$

$$+ (-12 - 4 n) a(n + 1), a(0) = 0, a(1) = 8, a(2) = 66, a(3) = 258\}$$

Sequence: A008893
Score: 9.35395
Type of gen. func.: ogf

$$- \frac{2 x (4 x^2 + 13 x + 4)}{(x - 1)^5}$$

Sequence: A008894
Score: 4.62571
Type of gen. func.: ogf

$$(23 x^{13} + 46 x^{12} - x^{11} + 31 x^{10} - x^{9} - 2 x^{8} - 47 x^{7} - x^{6} - 2 x^{5} - 13 x^{4} - 26 x^{3} - 9 x^{2} - 18 x - 36) / ((x - 1) (x^{4} + x^{3} + x^{2} + x + 1))$$

Sequence: A008909
Score: 4.20436
Type of gen. func.: ogf

$$-f(x)^{2} x^{4} + 2 f(x)^{2} x^{3} + 2 f(x) x^{4} - f(x)^{2} x^{2} - 3 f(x) x^{3} - x^{4} + 3 f(x) x^{2} + x^{3} - 3 f(x) x - 2 x^{2} + f(x) + 2 x - 1$$

Sequence: A008911
Score: 33.7304
Type of gen. func.: lgdogf

$$- \frac{2 (3 + 2 x)}{(x - 1) (x + 1)}$$

Sequence: A008911
Score: 35.4214
Type of gen. func.: ogf_with_Euler_transform]

$$[6 - x]$$

Sequence: A008911
Score: 5.67685
Type of gen. func.: ogf

$$\{(n + 1) a(n + 3) - 6 a(n + 2) + (-n - 3) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A008911
Score: 9.48537
Type of gen. func.: ogf

$$-\frac{2 (x + 1) x}{(x - 1)^5}$$

Sequence: A008921
Score: 3.62327
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^6 + 624 x^5 + 1959 x^4 + 1744 x^3 + 519 x^2 + 48 x + 1)}{(x - 1)^7}$$

Sequence: A008922
Score: 3.53538
Type of gen. func.: ogf

$$\frac{(x + 1) (x^6 + 624 x^5 + 1959 x^4 + 1744 x^3 + 519 x^2 + 48 x + 1)}{(x - 1)^8}$$

Sequence: A008931
Score: 13.3384
Type of gen. func.: lgdogf

$$-3 + (1 - 36 x) f(x) + (-108 x^2 + 3 x) f(x)^2$$

Sequence: A008931
Score: 5.21621
Type of gen. func.: ogf

$$\{(-108 n^2 - 306 n - 210) a(n + 1) + (3 n^2 + 13 n + 14) a(n + 2), a(0) = 1,$$

$$a(1) = 3\}$$

Sequence: A008936
Score: 11.1443
Type of gen. func.: ogf

4

$$-\frac{x + 2 x - 1}{(2 x - 1)^2}$$

Sequence: A008936
Score: 15.0761
Type of gen. func.: lgdogf

$$\frac{2 (2 x^4 - 2 x^3 - 2 x + 1)}{(2 x - 1) (x^4 + 2 x - 1)}$$

Sequence: A008936
Score: 4.65076
Type of gen. func.: ogf

$$\{-a(n + 5) + 4 a(n + 4) - 4 a(n + 3), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8, a(4) = 15\}$$

Sequence: A008936
Score: 8.37373
Type of gen. func.: ogf

$$-(2 f(x) - 17) (x^4 + 4 f(x) x^2 - 4 f(x) x + f(x) + 2 x - 1)$$

Sequence: A008937
Score: 13.3015
Type of gen. func.: ogf

$$f(x) x^4 - 2 f(x) x + f(x) - x$$

Sequence: A008937
Score: 23.4558
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^3 - 1)}{(x - 1) (x^3 + x^2 + x - 1)}$$

Sequence: A008937
Score: 23.7815
Type of gen. func.: ogf

$$\frac{x}{(x - 1) (x^3 + x^2 + x - 1)}$$

Sequence: A008954
Score: 6.90775
Type of gen. func.: ogf

$$- \frac{x (x^{12} + 3 x^{11} + 6 x^{10} + 5 x^8 + 5 x^6 + 5 x^4 + 6 x^2 + 3 x + 1)}{(x - 1) (x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^8 - x^6 + x^4 - x^2 + 1)}$$

Sequence: A008959
Score: 6.72092
Type of gen. func.: ogf

$$- \frac{x (x^8 + 4 x^7 + 9 x^6 + 6 x^5 + 5 x^4 + 6 x^3 + 9 x^2 + 4 x + 1)}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A008960
Score: 7.24924
Type of gen. func.: ogf

$$- \frac{x (9 x^8 + 2 x^7 + 3 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 7 x^2 + 8 x + 1)}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A008977
Score: 3.24085
Type of gen. func.: ogf

$\{(256 n^3 + 1152 n^2 + 1712 n + 840) a(n + 1) + (-n^3 - 6 n^2 - 12 n - 8) a(n + 2),$

a(0) = 1, a(1) = 24}

Sequence: A008998
Score: 23.1049
Type of gen. func.: ogf

$$-\frac{1}{x^3 + 2 x - 1}$$

Sequence: A008998
Score: 32.5478
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 2}{x^3 + 2 x - 1}$$

Sequence: A008998
Score: 8.11131
Type of gen. func.: ogf

{-a(n + 3) + 2 a(n + 2) + a(n), a(0) = 1, a(1) = 2, a(2) = 4}

Sequence: A008998
Score: 9.41311
Type of gen. func.: ogf

$$(f(x) - 1) (f(x) x^3 + 2 f(x) x - f(x) + 1)$$

Sequence: A008999
Score: 11.2675
Type of gen. func.: lgdogf

-a(n + 4) + 2 a(n + 3) + a(n), a(0) = 2, a(1) = 4, a(2) = 8, a(3) = 20

Sequence: A008999

Score: 18.1630
Type of gen. func.: ogf

$$-\frac{1}{x^4 + 2 x - 1}$$

Sequence: A008999
Score: 7.05151
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^4 + 2 f(x) x - f(x) + 1)$$

Sequence: A009001
Score: 14.5966
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 - x - 1}{(x^2 + 1)^2}$$

Sequence: A009001
Score: 26.6200
Type of gen. func.: lgdogf

$$-\frac{(x^2 - 4 x + 1) (x + 1)^2}{(x^2 + 1) (x^3 - x^2 - x - 1)}$$

Sequence: A009001
Score: 9.39382
Type of gen. func.: ogf

$$(f(x) - 3) (f(x) x^4 + 2 f(x) x^2 + x^3 - x^2 + f(x) - x - 1)$$

Sequence: A009005
Score: 10.0276
Type of gen. func.: ogf

$$(2 f(x) + 19) (f(x) x^2 - 2 f(x) x + x^2 + f(x) + x - 3)$$

Sequence: A009005
Score: 17.7847
Type of gen. func.: ogf

$$- \frac{x^2 + x - 3}{(x - 1)^2}$$

Sequence: A009005
Score: 37.0150
Type of gen. func.: lgdogf

$$- \frac{-5 + 3 x}{(x - 1) (x^2 + x - 3)}$$

Sequence: A009005
Score: 9.24109
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 3, a(1) = 5, a(2) = 6\}$$

Sequence: A009014
Score: 12.2885
Type of gen. func.: egf]

$$\frac{2 (x + 1)}{x^2 + 2 x + 2}$$

Sequence: A009014
Score: 22.6130
Type of gen. func.: lgdegf]

$$- \frac{x (x + 2)}{(x + 1) (x^2 + 2 x + 2)}$$

Sequence: A009014
Score: 8.77748
Type of gen. func.: egf]

$$f(x) x^2 + 2 f(x) x + 2 f(x) - 2 x - 2$$

Sequence: A009056
Score: 11.2255
Type of gen. func.: ogf

$$(f(x) + 5) (f(x) x^2 - 2 f(x) x + f(x) + 2 x - 3)$$

Sequence: A009056
Score: 11.6362
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 3, a(1) = 4\}$$

Sequence: A009056
Score: 21.2037
Type of gen. func.: ogf

$$-\frac{2 x - 3}{(x - 1)^2}$$

Sequence: A009056
Score: 28.3908
Type of gen. func.: revogf

$$-\frac{-3 - 2 x + (9 + 4 x)^{1/2}}{2 (x + 2)}$$

Sequence: A009056
Score: 42.5862
Type of gen. func.: lgdogf

$$-\frac{2 (x - 2)}{(x - 1) (2 x - 3)}$$

Sequence: A009102
Score: 3.49006
Type of gen. func.: ogf

$\{(n + 2) a(n + 1) + a(n + 2) + (n + 4) a(n + 3) + a(n + 4), a(0) = 1, a(1) = -1,$

$a(2) = 1, a(3) = -3\}$

Sequence: A009116
Score: 10.6949
Type of gen. func.: ogf

$$2 f(x) x^2 + 2 f(x) x + f(x) - x - 1$$

Sequence: A009116
Score: 14.9729
Type of gen. func.: ogf

$$\frac{x + 1}{2 x^2 + 2 x + 1}$$

Sequence: A009116
Score: 22.5041
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 4 x + 1}{(x + 1) (2 x^2 + 2 x + 1)}$$

Sequence: A009116
Score: 8.21682
Type of gen. func.: ogf

$$\{-a(n + 2) - 2 a(n + 1) - 2 a(n), a(0) = 1, a(1) = -1\}$$

Sequence: A009117
Score: 10.4078
Type of gen. func.: ogf

$$\{-a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = -2\}$$

Sequence: A009117
Score: 16.6525
Type of gen. func.: ogf

$$4 f(x) x + f(x) - 2 x - 1$$

Sequence: A009117
Score: 20.2531
Type of gen. func.: ogf

$$\frac{1 + 2 x}{4 x + 1}$$

Sequence: A009117
Score: 28.8402
Type of gen. func.: revogf

$$- 1/4 + x + \frac{(16 x^2 + 1)^{1/2}}{4}$$

Sequence: A009117
Score: 43.2603
Type of gen. func.: lgdogf

$$- \frac{2}{(1 + 2 x) (4 x + 1)}$$

Sequence: A009120
Score: 3.80843
Type of gen. func.: ogf

$$\{(64 n^2 + 192 n + 140) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 12\}$$

Sequence: A009132
Score: 16.7449
Type of gen. func.: lgdegf]

$$-\frac{x^3 + 2 x^2 + 2 x + 2}{(x + 1) (x^2 + 2 x + 2)}$$

Sequence: A009132
Score: 3.43852
Type of gen. func.: ogf

$$\{(n^2 + 4 n + 4) a(n + 1) + (n^2 + 4 n + 2) a(n + 2) + a(n + 3) n, a(0) = 1,$$
$$a(1) = -1, a(2) = 2, a(3) = -7\}$$

Sequence: A009179
Score: 3.58288
Type of gen. func.: ogf

$$\{(n + 2) a(n + 1) + a(n + 2) + (-n - 4) a(n + 3) - a(n + 4), a(0) = 1,$$
$$a(1) = -1, a(2) = 3, a(3) = -9\}$$

Sequence: A009189
Score: 41.1160
Type of gen. func.: lgdegf]

$$-\sin(x) x + \cos(x)$$

Sequence: A009198
Score: 17.4927
Type of gen. func.: lgdegf]

$$-\frac{\exp(-x) (\ln(x + 1) x + \ln(x + 1) - 1)}{x + 1}$$

Sequence: A009199
Score: 38.1456
Type of gen. func.: lgdegf]

$$\frac{2 \ln(x + 1)}{x + 1}$$

Sequence: A009200
Score: 33.4863
Type of gen. func.: lgdegf]

$$\frac{\cos(\ln(x + 1))}{x + 1}$$

Sequence: A009206
Score: 112.404
Type of gen. func.: lgdegf]

$$\cos(x)$$

Sequence: A009209
Score: 13.5065
Type of gen. func.: lgdegf]

$$-a(n) + (-n^2 - 3 n - 2) a(n + 2), a(0) = 0, a(1) = 0, a(2) = -1/2$$

Sequence: A009210
Score: 12.6034
Type of gen. func.: lgdegf]

$$4 a(n + 1) + (n^2 + 5 n + 6) a(n + 3), a(0) = 1, a(1) = 0, a(2) = -2$$

Sequence: A009212
Score: 28.2194
Type of gen. func.: lgdegf]

$$\exp(x) (\sin(x) + \cos(x))$$

Sequence: A009216
Score: 27.1458
Type of gen. func.: lgdegf]

$$-\exp(-x) (\sin(x) - \cos(x))$$

Sequence: A009218
Score: 15.6179
Type of gen. func.: lgdegf]

$$(x^2 + 2 x + 2) f(x) + (-2 x^2 - 4 x - 2) f(x)^2$$

Sequence: A009224
Score: 12.3706
Type of gen. func.: lgdegf]

$$a(n + 1) + (-n^2 - 5 n - 6) a(n + 3), a(0) = 1, a(1) = 0, a(2) = 1/2$$

Sequence: A009227
Score: 12.2345
Type of gen. func.: lgdegf]

$$-a(n) + (n^2 + 3 n + 2) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 1/2$$

Sequence: A009229
Score: 11.0914
Type of gen. func.: lgdegf]

$$4 a(n + 1) + (-n^2 - 5 n - 6) a(n + 3), a(0) = 1, a(1) = 0, a(2) = 2$$

Sequence: A009235
Score: 17.2756
Type of gen. func.: lgdegf]

$$(-n - 2) a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = -2$$

Sequence: A009257
Score: 29.4139
Type of gen. func.: lgdegf]

$$\frac{4 (x + 1)}{(x^2 + 2 x + 2)^2}$$

Sequence: A009281
Score: 15.8315
Type of gen. func.: lgdegf]

$$\frac{x^3 + 4 x^2 + 6 x + 2}{(x + 1) (x^2 + 2 x + 2)}$$

Sequence: A009282
Score: 15.4030
Type of gen. func.: lgdegf]

$$a(n) + (n^2 + 3 n + 2) a(n + 2), a(0) = 2, a(1) = 0, a(2) = -1/2$$

Sequence: A009283
Score: 15.2266
Type of gen. func.: lgdegf]

$$-a(n) + (n^2 + 3 n + 2) a(n + 2), a(0) = 2, a(1) = 0, a(2) = 1/2$$

Sequence: A009294
Score: 17.2004
Type of gen. func.: lgdegf]

$$\frac{x^3 + 2 x^2 + 2 x + 2}{(x + 1) (x^2 + 2 x + 2)}$$

Sequence: A009440

Score: 9.58209
Type of gen. func.: lgdogf

$$\frac{2 (54000 x^{17} - 114750 x^{16} + 61200 x^{15} + 53)}{(x - 1) (7200 x^{17} - 7650 x^{16} + 45 x^{2} - 90 x - 8)}$$

Sequence: A009440
Score: 9.64442
Type of gen. func.: ogf

$$-\frac{2 (7200 x^{17} - 7650 x^{16} + 45 x^{2} - 90 x - 8)}{(x - 1)^{2}}$$

Sequence: A009441
Score: 9.11620
Type of gen. func.: lgdogf

$$\frac{2 (81900 x^{15} - 175500 x^{14} + 94500 x^{13} + 107)}{(x - 1) (12600 x^{15} - 13500 x^{14} + 90 x^{2} - 180 x - 17)}$$

Sequence: A009441
Score: 9.73331
Type of gen. func.: ogf

$$-\frac{12600 x^{15} - 13500 x^{14} + 90 x^{2} - 180 x - 17}{(x - 1)^{2}}$$

Sequence: A009445
Score: 7.38414
Type of gen. func.: ogf

$$\{(4 n^{2} + 18 n + 20) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 6\}$$

Sequence: A009454
Score: 3.73548
Type of gen. func.: ogf

$$\{(-n^2 - 2 n - 2) a(n + 1) + (-2 n - 3) a(n + 2) - a(n + 3), a(0) = 0, a(1) = 1, a(2) = -1\}$$

Sequence: A009470
Score: 10.4461
Type of gen. func.: lgdogf

$$\frac{4 (1650 x^{13} - 3575 x^{12} + 1950 x^{11} + 3)}{(x - 1) (600 x^{13} - 650 x^{12} + 5 x^2 - 10 x - 1)}$$

Sequence: A009470
Score: 9.48994
Type of gen. func.: ogf

$$- \frac{18 (600 x^{13} - 650 x^{12} + 5 x^2 - 10 x - 1)}{(x - 1)^2}$$

Sequence: A009474
Score: 9.03110
Type of gen. func.: lgdogf

$$\frac{2 (49500 x^{12} - 108000 x^{11} + 59400 x^{10} + 109)}{(x - 1) (9900 x^{12} - 10800 x^{11} + 90 x^2 - 180 x - 19)}$$

Sequence: A009474
Score: 9.65035
Type of gen. func.: ogf

$$- \frac{9900 x^{12} - 10800 x^{11} + 90 x^2 - 180 x - 19}{(x - 1)^2}$$

Sequence: A009531
Score: 14.4080
Type of gen. func.: ogf

$$\frac{x (x + 1)^2}{(x^2 + 1)^2}$$

Sequence: A009531
Score: 30.2209
Type of gen. func.: ogf_with_Euler_transform]

$$[2 x^3 - 4 x + 2]$$

Sequence: A009531
Score: 35.9133
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 + 2 x - 1)}{(x + 1) (x^2 + 1)}$$

Sequence: A009531
Score: 4.69995
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + a(n + 3) n + (n + 5) a(n + 2) + (n + 2) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = -1\}$$

Sequence: A009531
Score: 8.61657
Type of gen. func.: ogf

$$-(4 f(x) - 11) (f(x) x^4 + 2 f(x) x^2 - x^3 - 2 x^2 + f(x) - x)$$

Sequence: A009545

Score: 10.4363
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A009545
Score: 14.3278
Type of gen. func.: ogf

$$-2 f(x) x^2 + 2 f(x) x - f(x) + x$$

Sequence: A009545
Score: 25.6165
Type of gen. func.: ogf

$$\frac{x}{2 x^2 - 2 x + 1}$$

Sequence: A009545
Score: 39.6460
Type of gen. func.: lgdogf

$$- \frac{2 (2 x - 1)}{2 x^2 - 2 x + 1}$$

Sequence: A009551
Score: 3.54883
Type of gen. func.: ogf

$$\{(n + 2) a(n + 1) - a(n + 2) + (n + 4) a(n + 3) - a(n + 4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 5\}$$

Sequence: A009564
Score: 6.33693
Type of gen. func.: ogf

$$\{(64 n^2 + 256 n + 252) a(n + 1) + a(n + 2), a(0) = 1, a(1) = -60\}$$

Sequence: A009574
Score: 24.2238
Type of gen. func.: lgdegf]

$$\frac{x^2 + 3 x + 1}{(x + 2) (x + 1)}$$

Sequence: A009574
Score: 3.26594
Type of gen. func.: ogf

$$\{(-n^2 - 6 n - 8) a(n + 1) + (n^2 + 4 n + 2) a(n + 2) + (n + 2) a(n + 3),$$

$$a(0) = 0, a(1) = 1, a(2) = 1\}$$

Sequence: A009578
Score: 25.1173
Type of gen. func.: lgdegf]

$$- \frac{x^2 + 3 x + 3}{(x + 2) (x + 1)}$$

Sequence: A009628
Score: 4.02025
Type of gen. func.: ogf

$$\{(n + 2) a(n + 1) + a(n + 2) + (-n - 4) a(n + 3) - a(n + 4), a(0) = 0, a(1) = 1,$$

$$a(2) = -2, a(3) = 7\}$$

Sequence: A009759
Score: 4.68955
Type of gen. func.: ogf

$$(6751368 f(x) - 3883465)$$

$$(f(x) x^3 - 7 f(x) x^2 + 7 f(x) x - 4 x^2 - f(x) + 21 x - 3)$$

Sequence: A009759
Score: 5.19199
Type of gen. func.: ogf

$$\{-a(n+3)+7a(n+2)-7a(n+1)+a(n),\ a(0)=-3,\ a(1)=0,\ a(2)=17\}$$

Sequence: A009759
Score: 9.37908
Type of gen. func.: ogf

$$\frac{4x^2-21x+3}{(x-1)(x^2-6x+1)}$$

Sequence: A009759
Score: 9.43302
Type of gen. func.: lgdogf

$$-\frac{2x(2x^3-21x^2+64x-17)}{(x-1)(x^2-6x+1)(4x^2-21x+3)}$$

Sequence: A009769
Score: 12.5702
Type of gen. func.: egf]

$$\frac{1+2x}{2x^2+2x+1}$$

Sequence: A009769
Score: 18.6428
Type of gen. func.: lgdegf]

$$-\frac{4(x+1)x}{(1+2x)(2x^2+2x+1)}$$

Sequence: A009769
Score: 8.97874
Type of gen. func.: egf]

$$2 f(x) x^2 + 2 f(x) x + f(x) - 2 x - 1$$

Sequence: A009775
Score: 12.0872
Type of gen. func.: egf]

$$\frac{x (x + 2)}{x^2 + 2 x + 2}$$

Sequence: A009775
Score: 21.0300
Type of gen. func.: lgdegf]

$$- \frac{x^2 + 4 x + 2}{(x + 2) (x^2 + 2 x + 2)}$$

Sequence: A009775
Score: 8.8399
Type of gen. func.: egf]

$$f(x) x^2 + 2 f(x) x - x^2 + 2 f(x) - 2 x$$

Sequence: A009778
Score: 17.2900
Type of gen. func.: lgdegf]

$$\frac{x^3 + 3 x^2 + 2 x + 2}{(x + 2) (x^2 + 2 x + 2)}$$

Sequence: A009782
Score: 16.3997
Type of gen. func.: lgdegf]

$$-\frac{(x+1)(x^2+4x+6)}{(x+2)(x^2+2x+2)}$$

Sequence: A009866
Score: 5.57329
Type of gen. func.: ogf

$$-\frac{(x^4+x^3+x^2+x+1)(x^6+x^5+2x^4-x^3+2x^2+x+1)}{(x+1)(x^2+1)(x^4+1)(x-1)^3}$$

Sequence: A009923
Score: 5.36961
Type of gen. func.: ogf

$$-\frac{6x^9-5x^8+8x^7+29x^6+82x^5+88x^4+68x^3+35x^2+8x+1}{(x+1)(x^2+x+1)^2(x-1)^3}$$

Sequence: A009924
Score: 6.26060
Type of gen. func.: lgdogf

$$-\frac{2(5x^8+33x^7+85x^6+154x^5+174x^4+146x^3+89x^2+29x+5)}{(x-1)(x^2+x+1)(x^3+4x^2+2x+1)(x^4+5x^3+6x^2+7x+1)}$$

Sequence: A009924
Score: 6.33241
Type of gen. func.: ogf

$$-\frac{(x^3+4x^2+2x+1)(x^4+5x^3+6x^2+7x+1)}{(x^2+x+1)^2(x-1)^3}$$

Sequence: A009925
Score: 7.92528
Type of gen. func.: ogf

$$-\frac{x^6+4x^5+19x^4+12x^3+19x^2+4x+1}{(x-1)^3(x+1)^3}$$

Sequence: A009925
Score: 8.26823
Type of gen. func.: lgdogf

$$-\frac{4(x^6+11x^5+14x^4+38x^3+14x^2+11x+1)}{(x-1)(x+1)(x^6+4x^5+19x^4+12x^3+19x^2+4x+1)}$$

Sequence: A009926
Score: 7.88522
Type of gen. func.: ogf

$$-\frac{x^6+8x^5+9x^4+24x^3+9x^2+8x+1}{(x-1)^3(x+1)^3}$$

Sequence: A009926
Score: 8.51152
Type of gen. func.: lgdogf

$$-\frac{8(x^6+3x^5+14x^4+9x^3+14x^2+3x+1)}{(x-1)(x+1)(x^6+8x^5+9x^4+24x^3+9x^2+8x+1)}$$

Sequence: A009928
Score: 3.93996
Type of gen. func.: ogf

$$-(4x^{13}-4x^{12}-11x^{10}+33x^9+57x^8+124x^7+146x^6+150x^5+122x^4$$

$$+76x^3+37x^2+13x+1)\ /\ ((x+1)(x^2+x+1)(x^2+1)^2(x-1)^3)$$

/

Sequence: A009940
Score: 28.1618
Type of gen. func.: lgdegf]

$$-x + (-x^2 + 2 x - 1) f(x)$$

Sequence: A009940
Score: 3.88662
Type of gen. func.: ogf

$$\{(n^2 + 4 n + 4) a(n + 1) + (-2 n - 4) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 0, a(2) = -1\}$$

Sequence: A009941
Score: 5.81890
Type of gen. func.: lgdogf

$$- (11 x^8 + 94 x^7 + 272 x^6 + 506 x^5 + 610 x^4 + 506 x^3 + 272 x^2 + 94 x + 11) / ((x - 1) (x + 1) (x^2 + x + 1) (x^6 + 10 x^5 + 35 x^4 + 40 x^3 + 35 x^2 + 10 x + 1))$$

Sequence: A009941
Score: 6.61276
Type of gen. func.: ogf

$$- \frac{x^6 + 10 x^5 + 35 x^4 + 40 x^3 + 35 x^2 + 10 x + 1}{(x + 1) (x^2 + x + 1) (x - 1)^3}$$

Sequence: A009942
Score: 5.84814
Type of gen. func.: lgdogf

$$- 2 (7 x^8 + 44 x^7 + 142 x^6 + 250 x^5 + 302 x^4 + 250 x^3 + 142 x^2 + 44 x + 7) \Big/ \left((x - 1) (x + 1) (x^2 + x + 1) (x^6 + 13 x^5 + 29 x^4 + 46 x^3 + 29 x^2 + 13 x + 1)\right)$$

Sequence: A009942
Score: 6.64533
Type of gen. func.: ogf

$$- \frac{x^6 + 13 x^5 + 29 x^4 + 46 x^3 + 29 x^2 + 13 x + 1}{(x + 1) (x^2 + x + 1) (x - 1)^3}$$

Sequence: A009943
Score: 8.47351
Type of gen. func.: lgdogf

$$\frac{2 (x^6 - 2 x^5 - 5 x^4 - 12 x^3 - 33 x^2 - 18 x - 3)}{(x - 1) (x + 1) (2 x^5 - 5 x^4 + 10 x^3 + 12 x^2 + 4 x + 1)}$$

Sequence: A009943
Score: 8.64644
Type of gen. func.: ogf

$$- \frac{2 x^5 - 5 x^4 + 10 x^3 + 12 x^2 + 4 x + 1}{(x + 1) (x - 1)^3}$$

Sequence: A009945
Score: 6.92744
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^8 + 12 x^7 + 30 x^6 + 40 x^5 + 46 x^4 + 40 x^3 + 30 x^2 + 12 x + 3)}{(x - 1) (x + 1) (x^2 + 1) (x^3 + 3 x^2 + x + 1) (x^3 + x^2 + 3 x + 1)}$$

Sequence: A009945
Score: 7.12884
Type of gen. func.: ogf

$$-\frac{(x^3 + 3 x^2 + x + 1) (x^3 + x^2 + 3 x + 1)}{(x + 1) (x^2 + 1) (x - 1)^3}$$

Sequence: A009946
Score: 10.1841
Type of gen. func.: ogf

$$-\frac{x^4 + 4 x^3 + 8 x^2 + 4 x + 1}{(x + 1) (x - 1)^3}$$

Sequence: A009946
Score: 11.4768
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^4 + 14 x^3 + 20 x^2 + 14 x + 3)}{(x - 1) (x + 1) (x^4 + 4 x^3 + 8 x^2 + 4 x + 1)}$$

Sequence: A009946
Score: 5.85203
Type of gen. func.: ogf

$-(20 f(x) + 119)$

$$(f(x) x^4 - 2 f(x) x^3 + x^4 + 4 x^3 + 2 f(x) x + 8 x^2 - f(x) + 4 x + 1)$$

Sequence: A009947
Score: 11.1159
Type of gen. func.: ogf

$$\frac{x^2 (x^3 + x^2 + 2 x + 1)}{}$$

```
      2   2         2
```

```
(x - 1)  (x  + x + 1)
```

Sequence: A009947
Score: 11.4821
Type of gen. func.: lgdogf

```
                   4    3      2
       (x + 1) (3 x  + x  + 9 x  + 2)
- ----------------------------------------
            2            3    2
  (x - 1) (x  + x + 1) (x  + x  + 2 x + 1)
```

Sequence: A009948
Score: 6.15834
Type of gen. func.: lgdogf

```
          8       7       6       5       4       3       2
    4 (3 x  + 15 x  + 33 x  + 47 x  + 56 x  + 47 x  + 33 x  + 15 x + 3)
- ------------------------------------------------------------------------
                    2        6       5       4       3       2
  (x - 1) (x + 1) (x  + 1) (x  + 10 x  + 19 x  + 24 x  + 19 x  + 10 x + 1)
```

Sequence: A009948
Score: 6.61276
Type of gen. func.: ogf

```
   6       5       4       3       2
  x  + 10 x  + 19 x  + 24 x  + 19 x  + 10 x + 1
- ---------------------------------------------
                      2             3
            (x + 1) (x  + 1) (x - 1)
```

Sequence: A009955
Score: 5.31890
Type of gen. func.: ogf

```
   8      7       6       5       4       3       2
  x  + 7 x  + 20 x  + 41 x  + 50 x  + 41 x  + 20 x  + 7 x + 1
- -----------------------------------------------------------
                  2                 3        3
                (x  + x + 1) (x - 1)  (x + 1)
```

Sequence: A009956
Score: 4.53701
Type of gen. func.: ogf

$$-(x^{12} + x^{11} - 4 x^{10} + 5 x^9 + 20 x^8 + 35 x^7 + 65 x^6 + 60 x^5 + 50 x^4 + 33 x^3 + 17 x^2 + 4 x + 1) / ((x^2 + 1)^2 (x - 1)^3 (x + 1)^3)$$

Sequence: A009957
Score: 7.84172
Type of gen. func.: ogf

$$-\frac{x^6 + 6 x^5 + 17 x^4 + 26 x^3 + 15 x^2 + 6 x + 1}{(x - 1)^3 (x + 1)^3}$$

Sequence: A009957
Score: 8.00985
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^6 + 20 x^5 + 54 x^4 + 64 x^3 + 54 x^2 + 18 x + 3)}{(x - 1) (x + 1) (x^6 + 6 x^5 + 17 x^4 + 26 x^3 + 15 x^2 + 6 x + 1)}$$

Sequence: A009964
Score: 12.1466
Type of gen. func.: ogf

$$-20 f(x) x + f(x) - 1$$

Sequence: A009964
Score: 23.1890
Type of gen. func.: ogf

$$-\frac{1}{20 x - 1}$$

Sequence: A009964
Score: 33.2711
Type of gen. func.: revegf]

$$1/20 \ln(1 + 20 x)$$

```
------------------------------------------------------------------------------

Sequence:  A009964
Score: 38.3897
Type of gen. func.: lgdogf

                                        20
                                   - --------
                                     20 x - 1


------------------------------------------------------------------------------

Sequence:  A009964
Score: 9.62560
Type of gen. func.: ogf

                         {a(n + 1) - 20 a(n), a(0) = 1}


------------------------------------------------------------------------------

Sequence:  A009965
Score: 17.9225
Type of gen. func.: ogf

                         {a(n + 1) - 21 a(n), a(0) = 1}


------------------------------------------------------------------------------

Sequence:  A009965
Score: 22.6165
Type of gen. func.: ogf

                             -21 f(x) x + f(x) - 1


------------------------------------------------------------------------------

Sequence:  A009965
Score: 43.1768
Type of gen. func.: ogf

                                        1
                                   - --------
                                     21 x - 1


------------------------------------------------------------------------------

Sequence:  A009965
Score: 62.5141
Type of gen. func.: revegf]

                               1/21 ln(1 + 21 x)
```

Sequence: A009965
Score: 72.1317
Type of gen. func.: lgdogf

$$-\frac{21}{21 x - 1}$$

Sequence: A009966
Score: 18.2671
Type of gen. func.: ogf

$$\{a(n + 1) - 22 a(n), a(0) = 1\}$$

Sequence: A009966
Score: 23.0514
Type of gen. func.: ogf

$$-22 f(x) x + f(x) - 1$$

Sequence: A009966
Score: 44.0071
Type of gen. func.: ogf

$$-\frac{1}{22 x - 1}$$

Sequence: A009966
Score: 63.7320
Type of gen. func.: revegf]

$$1/22 \ln(1 + 22 x)$$

Sequence: A009966
Score: 73.5369
Type of gen. func.: lgdogf

$$-\frac{22}{22 x - 1}$$

Sequence: A009967
Score: 18.4395
Type of gen. func.: ogf

$$\{a(n + 1) - 23 a(n), a(0) = 1\}$$

Sequence: A009967
Score: 23.2688
Type of gen. func.: ogf

$$-23 f(x) x + f(x) - 1$$

Sequence: A009967
Score: 44.4223
Type of gen. func.: ogf

$$- \frac{1}{23 x - 1}$$

Sequence: A009967
Score: 64.3409
Type of gen. func.: revegf]

$$1/23 \ln(1 + 23 x)$$

Sequence: A009967
Score: 74.2394
Type of gen. func.: lgdogf

$$- \frac{23}{23 x - 1}$$

Sequence: A009968
Score: 18.6692
Type of gen. func.: ogf

$$\{a(n + 1) - 24 a(n), a(0) = 1\}$$

Sequence: A009968
Score: 23.5588
Type of gen. func.: ogf

$$-24 f(x) x + f(x) - 1$$

Sequence: A009968
Score: 44.9759
Type of gen. func.: ogf

$$-\frac{1}{24 x - 1}$$

Sequence: A009968
Score: 65.1527
Type of gen. func.: revegf]

$$1/24 \ln(1 + 24 x)$$

Sequence: A009968
Score: 75.1762
Type of gen. func.: lgdogf

$$-\frac{24}{24 x - 1}$$

Sequence: A009969
Score: 18.7841
Type of gen. func.: ogf

$$\{a(n + 1) - 25 a(n), a(0) = 1\}$$

Sequence: A009969
Score: 23.7038
Type of gen. func.: ogf

$$-25 f(x) x + f(x) - 1$$

Sequence: A009969
Score: 45.2526
Type of gen. func.: ogf

$$-\frac{1}{25 x - 1}$$

Sequence: A009969
Score: 65.5587
Type of gen. func.: revegf]

$$1/25 \ln(1 + 25 x)$$

Sequence: A009969
Score: 75.6446
Type of gen. func.: lgdogf

$$-\frac{25}{25 x - 1}$$

Sequence: A009970
Score: 19.0713
Type of gen. func.: ogf

$$\{a(n + 1) - 26 a(n), a(0) = 1\}$$

Sequence: A009970
Score: 24.0662
Type of gen. func.: ogf

$$-26 f(x) x + f(x) - 1$$

Sequence: A009970
Score: 45.9445
Type of gen. func.: ogf

$$-\frac{1}{26 x - 1}$$

Sequence: A009970
Score: 66.5735
Type of gen. func.: revegf]

$$1/26 \ln(1 + 26 x)$$

Sequence: A009970
Score: 76.8156
Type of gen. func.: lgdogf

$$- \frac{26}{26 x - 1}$$

Sequence: A009971
Score: 10.4626
Type of gen. func.: ogf

$$\{a(n + 1) - 27 a(n), a(0) = 1\}$$

Sequence: A009971
Score: 13.2028
Type of gen. func.: ogf

$$-27 f(x) x + f(x) - 1$$

Sequence: A009971
Score: 25.2054
Type of gen. func.: ogf

$$- \frac{1}{27 x - 1}$$

Sequence: A009971
Score: 36.2285
Type of gen. func.: revegf]

$$1/27 \ln(1 + 27 x)$$

Sequence: A009971
Score: 41.8021
Type of gen. func.: lgdogf

$$-\frac{27}{27 x - 1}$$

Sequence: A009972
Score: 10.5149
Type of gen. func.: ogf

$$\{a(n + 1) - 28 a(n), a(0) = 1\}$$

Sequence: A009972
Score: 13.2688
Type of gen. func.: ogf

$$-28 f(x) x + f(x) - 1$$

Sequence: A009972
Score: 25.3314
Type of gen. func.: ogf

$$-\frac{1}{28 x - 1}$$

Sequence: A009972
Score: 36.4133
Type of gen. func.: revegf]

$$1/28 \ln(1 + 28 x)$$

Sequence: A009972
Score: 42.0154
Type of gen. func.: lgdogf

$$-\frac{28}{28 x - 1}$$

Sequence: A009973
Score: 10.6195
Type of gen. func.: ogf

$$\{a(n + 1) - 29 a(n), a(0) = 1\}$$

Sequence: A009973
Score: 13.4008
Type of gen. func.: ogf

$$-29 f(x) x + f(x) - 1$$

Sequence: A009973
Score: 25.5835
Type of gen. func.: ogf

$$-\frac{1}{29 x - 1}$$

Sequence: A009973
Score: 36.7830
Type of gen. func.: revegf]

$$1/29 \ln(1 + 29 x)$$

Sequence: A009973
Score: 42.4420
Type of gen. func.: lgdogf

$$-\frac{29}{29 x - 1}$$

Sequence: A009974
Score: 10.6718
Type of gen. func.: ogf

$$\{a(n + 1) - 30 a(n), a(0) = 1\}$$

Sequence: A009974
Score: 13.4669
Type of gen. func.: ogf

$$-30 f(x) x + f(x) - 1$$

Sequence: A009974
Score: 25.7095
Type of gen. func.: ogf

$$-\frac{1}{30 x - 1}$$

Sequence: A009974
Score: 36.9679
Type of gen. func.: revegf]

$$1/30 \ln(1 + 30 x)$$

Sequence: A009974
Score: 42.6552
Type of gen. func.: lgdogf

$$-\frac{30}{30 x - 1}$$

Sequence: A009975
Score: 10.6718
Type of gen. func.: ogf

$$\{a(n + 1) - 31 a(n), a(0) = 1\}$$

Sequence: A009975
Score: 15.4478
Type of gen. func.: ogf

$$-31 f(x) x + f(x) - 1$$

Sequence: A009975
Score: 25.7095
Type of gen. func.: ogf

$$-\frac{1}{31 x - 1}$$

Sequence: A009975
Score: 36.9679
Type of gen. func.: revegf]

$$1/31 \ln(1 + 31 x)$$

Sequence: A009975
Score: 42.6552
Type of gen. func.: lgdogf

$$-\frac{31}{31 x - 1}$$

Sequence: A009976
Score: 12.0573
Type of gen. func.: ogf

$$-32 f(x) x + f(x) - 1$$

Sequence: A009976
Score: 23.0184
Type of gen. func.: ogf

$$-\frac{1}{32 x - 1}$$

Sequence: A009976
Score: 33.0382
Type of gen. func.: revegf]

$$1/32 \ln(1 + 32 x)$$

Sequence: A009976
Score: 38.1210
Type of gen. func.: lgdogf

$$-\frac{32}{32 x - 1}$$

Sequence: A009976
Score: 9.55481
Type of gen. func.: ogf

{a(n + 1) - 32 a(n), a(0) = 1}

Sequence: A009977
Score: 12.0573
Type of gen. func.: ogf

-33 f(x) x + f(x) - 1

Sequence: A009977
Score: 23.0184
Type of gen. func.: ogf

$$-\frac{1}{33 x - 1}$$

Sequence: A009977
Score: 33.0382
Type of gen. func.: revegf]

1/33 ln(1 + 33 x)

Sequence: A009977
Score: 38.1210
Type of gen. func.: lgdogf

$$-\frac{33}{33 x - 1}$$

Sequence: A009977
Score: 9.55481
Type of gen. func.: ogf

$$\{a(n + 1) - 33 a(n), a(0) = 1\}$$

Sequence: A009978
Score: 12.0573
Type of gen. func.: ogf

$$-34 f(x) x + f(x) - 1$$

Sequence: A009978
Score: 23.0184
Type of gen. func.: ogf

$$- \frac{1}{34 x - 1}$$

Sequence: A009978
Score: 33.0382
Type of gen. func.: revegf]

$$1/34 \ln(1 + 34 x)$$

Sequence: A009978
Score: 38.1210
Type of gen. func.: lgdogf

$$- \frac{34}{34 x - 1}$$

Sequence: A009978
Score: 9.55481
Type of gen. func.: ogf

$$\{a(n + 1) - 34 a(n), a(0) = 1\}$$

```
------------------------------------------------------------------------------

Sequence:  A009979
Score: 12.1217
Type of gen. func.: ogf


                              -35 f(x) x + f(x) - 1



------------------------------------------------------------------------------

Sequence:  A009979
Score: 23.1415
Type of gen. func.: ogf


                                        1
                                    - --------
                                      35 x - 1



------------------------------------------------------------------------------

Sequence:  A009979
Score: 33.2187
Type of gen. func.: revegf]


                                1/35 ln(1 + 35 x)



------------------------------------------------------------------------------

Sequence:  A009979
Score: 38.3293
Type of gen. func.: lgdogf


                                        35
                                    - --------
                                      35 x - 1



------------------------------------------------------------------------------

Sequence:  A009979
Score: 9.60591
Type of gen. func.: ogf


                          {a(n + 1) - 35 a(n), a(0) = 1}



------------------------------------------------------------------------------

Sequence:  A009980
Score: 12.2507
Type of gen. func.: ogf


                              -36 f(x) x + f(x) - 1
```

Sequence: A009980
Score: 23.3877
Type of gen. func.: ogf

$$-\frac{1}{36 x - 1}$$

Sequence: A009980
Score: 33.5798
Type of gen. func.: revegf]

$$1/36 \ln(1 + 36 x)$$

Sequence: A009980
Score: 38.7459
Type of gen. func.: lgdogf

$$-\frac{36}{36 x - 1}$$

Sequence: A009980
Score: 9.70811
Type of gen. func.: ogf

$$\{a(n + 1) - 36 a(n), a(0) = 1\}$$

Sequence: A009981
Score: 12.2507
Type of gen. func.: ogf

$$-37 f(x) x + f(x) - 1$$

Sequence: A009981
Score: 23.3877
Type of gen. func.: ogf

$$-\frac{1}{37 x - 1}$$

```
--------------------------------------------------------------------------------

Sequence:  A009981
Score: 33.5798
Type of gen. func.: revegf]


                              1/37 ln(1 + 37 x)



--------------------------------------------------------------------------------

Sequence:  A009981
Score: 38.7459
Type of gen. func.: lgdogf


                                        37
                                   - --------
                                     37 x - 1



--------------------------------------------------------------------------------

Sequence:  A009981
Score: 9.70811
Type of gen. func.: ogf


                         {a(n + 1) - 37 a(n), a(0) = 1}



--------------------------------------------------------------------------------

Sequence:  A009982
Score: 11.3519
Type of gen. func.: ogf


                         {a(n + 1) - 38 a(n), a(0) = 1}



--------------------------------------------------------------------------------

Sequence:  A009982
Score: 14.325
Type of gen. func.: ogf


                            -38 f(x) x + f(x) - 1



--------------------------------------------------------------------------------

Sequence:  A009982
Score: 27.3478
Type of gen. func.: ogf


                                        1
                                   - --------
                                     38 x - 1
```

Sequence: A009982
Score: 33.9409
Type of gen. func.: revegf]

$$\frac{1}{38}\ln(1 + 38 x)$$

Sequence: A009982
Score: 39.1626
Type of gen. func.: lgdogf

$$-\frac{38}{38 x - 1}$$

Sequence: A009983
Score: 12.4441
Type of gen. func.: ogf

$$-39 f(x) x + f(x) - 1$$

Sequence: A009983
Score: 23.7570
Type of gen. func.: ogf

$$-\frac{1}{39 x - 1}$$

Sequence: A009983
Score: 34.1214
Type of gen. func.: revegf]

$$\frac{1}{39}\ln(1 + 39 x)$$

Sequence: A009983
Score: 39.3709
Type of gen. func.: lgdogf

$$-\frac{39}{39 x - 1}$$

Sequence: A009983
Score: 9.86140
Type of gen. func.: ogf

{a(n + 1) - 39 a(n), a(0) = 1}

Sequence: A009984
Score: 12.5731
Type of gen. func.: ogf

-40 f(x) x + f(x) - 1

Sequence: A009984
Score: 24.0032
Type of gen. func.: ogf

$$-\frac{1}{40 x - 1}$$

Sequence: A009984
Score: 34.4825
Type of gen. func.: revegf]

1/40 ln(1 + 40 x)

Sequence: A009984
Score: 39.7875
Type of gen. func.: lgdogf

$$-\frac{40}{40 x - 1}$$

Sequence: A009984
Score: 9.96358
Type of gen. func.: ogf

{a(n + 1) - 40 a(n), a(0) = 1}

Sequence: A009985
Score: 12.5731
Type of gen. func.: ogf

$$-41 f(x) x + f(x) - 1$$

Sequence: A009985
Score: 24.0032
Type of gen. func.: ogf

$$-\frac{1}{41 x - 1}$$

Sequence: A009985
Score: 34.4825
Type of gen. func.: revegf]

$$1/41 \ln(1 + 41 x)$$

Sequence: A009985
Score: 39.7875
Type of gen. func.: lgdogf

$$-\frac{41}{41 x - 1}$$

Sequence: A009985
Score: 9.96358
Type of gen. func.: ogf

$$\{a(n + 1) - 41 a(n), a(0) = 1\}$$

Sequence: A009986
Score: 10.0147
Type of gen. func.: ogf

$$\{a(n + 1) - 42 a(n), a(0) = 1\}$$

Sequence: A009986
Score: 12.6376
Type of gen. func.: ogf

$$-42 f(x) x + f(x) - 1$$

Sequence: A009986
Score: 24.1263
Type of gen. func.: ogf

$$-\frac{1}{42 x - 1}$$

Sequence: A009986
Score: 34.6630
Type of gen. func.: revegf]

$$1/42 \ln(1 + 42 x)$$

Sequence: A009986
Score: 39.9958
Type of gen. func.: lgdogf

$$-\frac{42}{42 x - 1}$$

Sequence: A009987
Score: 10.0658
Type of gen. func.: ogf

$$\{a(n + 1) - 43 a(n), a(0) = 1\}$$

Sequence: A009987
Score: 12.702
Type of gen. func.: ogf

$$-43 f(x) x + f(x) - 1$$

Sequence: A009987
Score: 24.2494
Type of gen. func.: ogf

$$-\frac{1}{43x-1}$$

Sequence: A009987
Score: 34.8436
Type of gen. func.: revegf]

$$1/43 \ln(1 + 43 x)$$

Sequence: A009987
Score: 40.2041
Type of gen. func.: lgdogf

$$-\frac{43}{43x-1}$$

Sequence: A009988
Score: 10.1680
Type of gen. func.: ogf

$$\{a(n + 1) - 44 a(n), a(0) = 1\}$$

Sequence: A009988
Score: 12.831
Type of gen. func.: ogf

$$-44 f(x) x + f(x) - 1$$

Sequence: A009988
Score: 24.4955
Type of gen. func.: ogf

$$-\frac{1}{44x-1}$$

Sequence: A009988
Score: 35.2047
Type of gen. func.: revegf]

$$1/44 \ln(1 + 44 x)$$

Sequence: A009988
Score: 40.6208
Type of gen. func.: lgdogf

$$-\frac{44}{44 x - 1}$$

Sequence: A009989
Score: 10.1680
Type of gen. func.: ogf

$$\{a(n + 1) - 45 a(n), a(0) = 1\}$$

Sequence: A009989
Score: 12.831
Type of gen. func.: ogf

$$-45 f(x) x + f(x) - 1$$

Sequence: A009989
Score: 24.4955
Type of gen. func.: ogf

$$-\frac{1}{45 x - 1}$$

Sequence: A009989
Score: 35.2047
Type of gen. func.: revegf]

$$1/45 \ln(1 + 45 x)$$

Sequence: A009989
Score: 40.6208
Type of gen. func.: lgdogf

$$- \frac{45}{45 x - 1}$$

Sequence: A009990
Score: 10.1680
Type of gen. func.: ogf

{a(n + 1) - 46 a(n), a(0) = 1}

Sequence: A009990
Score: 12.831
Type of gen. func.: ogf

-46 f(x) x + f(x) - 1

Sequence: A009990
Score: 24.4955
Type of gen. func.: ogf

$$- \frac{1}{46 x - 1}$$

Sequence: A009990
Score: 35.2047
Type of gen. func.: revegf]

1/46 ln(1 + 46 x)

Sequence: A009990
Score: 40.6208
Type of gen. func.: lgdogf

$$- \frac{46}{46 x - 1}$$

```
Sequence:  A009991
Score: 11.1846
Type of gen. func.: ogf

                              -47 f(x) x + f(x) - 1



--------------------------------------------------------------------------------

Sequence:  A009991
Score: 21.3524
Type of gen. func.: ogf

                                        1
                                    - --------
                                      47 x - 1



--------------------------------------------------------------------------------

Sequence:  A009991
Score: 30.6131
Type of gen. func.: revegf]

                                1/47 ln(1 + 47 x)



--------------------------------------------------------------------------------

Sequence:  A009991
Score: 35.3228
Type of gen. func.: lgdogf

                                        47
                                    - --------
                                      47 x - 1



--------------------------------------------------------------------------------

Sequence:  A009991
Score: 8.86326
Type of gen. func.: ogf

                          {a(n + 1) - 47 a(n), a(0) = 1}



--------------------------------------------------------------------------------

Sequence:  A009992
Score: 12.0320
Type of gen. func.: ogf

                          {a(n + 1) - 48 a(n), a(0) = 1}



--------------------------------------------------------------------------------
```

Sequence: A009992
Score: 15.1832
Type of gen. func.: ogf

$$-48 f(x) x + f(x) - 1$$

Sequence: A009992
Score: 28.9862
Type of gen. func.: ogf

$$-\frac{1}{48 x - 1}$$

Sequence: A009992
Score: 30.6131
Type of gen. func.: revegf]

$$1/48 \ln(1 + 48 x)$$

Sequence: A009992
Score: 35.3228
Type of gen. func.: lgdogf

$$-\frac{48}{48 x - 1}$$

Sequence: A010000
Score: 14.2754
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 - x + 1)}{(x - 1)^3}$$

Sequence: A010000
Score: 24.9391
Type of gen. func.: lgdogf

$$-\frac{3 (x^2 + 1)}{}$$

$$(x - 1) (x + 1) (x^2 - x + 1)$$

Sequence: A010000
Score: 27.9138
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^2 + 3$$

Sequence: A010000
Score: 6.11805
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 3, a(2) = 6, a(3) = 11\}$$

Sequence: A010000
Score: 7.26519
Type of gen. func.: ogf

$$-(20 f(x) + 7) (f(x) x^3 - 3 f(x) x^2 + x^3 + 3 f(x) x - f(x) + 1)$$

Sequence: A010001
Score: 12.1642
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^2 + 3 x + 1)}{(x - 1)^3}$$

Sequence: A010001
Score: 21.1265
Type of gen. func.: lgdogf

$$- \frac{7 x^2 + 16 x + 7}{(x - 1) (x + 1) (x^2 + 3 x + 1)}$$

Sequence: A010001
Score: 6.26368
Type of gen. func.: ogf

$\{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 7, a(2) = 22, a(3) = 47\}$

Sequence: A010001
Score: 6.82384
Type of gen. func.: ogf

$$(428 f(x) - 707) (f(x) x^3 - 3 f(x) x^2 + x^3 + 3 f(x) x + 4 x^2 - f(x) + 4 x + 1)$$

Sequence: A010002
Score: 11.9010
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 + 7 x + 1)}{(x - 1)^3}$$

Sequence: A010002
Score: 19.6593
Type of gen. func.: lgdogf

$$-\frac{11 x^2 + 32 x + 11}{(x - 1) (x + 1) (x^2 + 7 x + 1)}$$

Sequence: A010002
Score: 6.08273
Type of gen. func.: ogf

$\{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 11, a(2) = 38, a(3) = 83\}$

Sequence: A010002
Score: 6.62233
Type of gen. func.: ogf

$$(796 f(x) - 3451) (f(x) x^3 - 3 f(x) x^2 + x^3 + 3 f(x) x + 8 x^2 - f(x) + 8 x + 1)$$

Sequence: A010003
Score: 11.4425
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 + 9 x + 1)}{(x - 1)^3}$$

Sequence: A010003
Score: 19.4482
Type of gen. func.: lgdogf

$$-\frac{13 x^2 + 40 x + 13}{(x - 1) (x + 1) (x^2 + 9 x + 1)}$$

Sequence: A010003
Score: 5.97367
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 13, a(2) = 46,$$
$$a(3) = 101\}$$

Sequence: A010003
Score: 6.49935
Type of gen. func.: ogf

$$(140 f(x) - 797)$$
$$(f(x) x^3 - 3 f(x) x^2 + x^3 + 3 f(x) x + 10 x^2 - f(x) + 10 x + 1)$$

Sequence: A010004
Score: 11.6544

Type of gen. func.: ogf

$$-\frac{(x+1)(x^2+11x+1)}{(x-1)^3}$$

Sequence: A010004
Score: 19.3433
Type of gen. func.: lgdogf

$$-\frac{3(5x^2+16x+5)}{(x-1)(x+1)(x^2+11x+1)}$$

Sequence: A010004
Score: 6.08429
Type of gen. func.: ogf

$\{a(n+4) - 3a(n+3) + 3a(n+2) - a(n+1), a(0) = 1, a(1) = 15, a(2) = 54,$

$a(3) = 119\}$

Sequence: A010004
Score: 6.56717
Type of gen. func.: ogf

$(388 f(x) - 2737)$

$(f(x) x^3 - 3 f(x) x^2 + x^3 + 3 f(x) x + 12 x^2 - f(x) + 12 x + 1)$

Sequence: A010005
Score: 11.7604
Type of gen. func.: ogf

$$-\frac{(x+1)(x^2+13x+1)}{(x-1)^3}$$

Sequence: A010005

Score: 19.5224
Type of gen. func.: lgdogf

$$-\frac{17 x^2 + 56 x + 17}{(x - 1) (x + 1) (x^2 + 13 x + 1)}$$

Sequence: A010005
Score: 6.13960
Type of gen. func.: ogf

$\{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 17, a(2) = 62,$

$a(3) = 137\}$

Sequence: A010005
Score: 6.52333
Type of gen. func.: ogf

$(1348 f(x) - 11347)$

$(f(x) x^3 - 3 f(x) x^2 + x^3 + 3 f(x) x + 14 x^2 - f(x) + 14 x + 1)$

Sequence: A010006
Score: 11.4762
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 + 14 x + 1)}{(x - 1)^3}$$

Sequence: A010006
Score: 19.5088
Type of gen. func.: lgdogf

$$-\frac{6 (x + 3) (3 x + 1)}{(x - 1) (x + 1) (x^2 + 14 x + 1)}$$

Sequence: A010006

Score: 5.99126
Type of gen. func.: ogf

$$\{a(n+4) - 3\,a(n+3) + 3\,a(n+2) - a(n+1),\ a(0) = 1,\ a(1) = 18,\ a(2) = 66,\ a(3) = 146\}$$

Sequence: A010006
Score: 6.62449
Type of gen. func.: ogf

$$(10\,f(x) - 91)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + x^3 + 3\,f(x)\,x + 15\,x^2 - f(x) + 15\,x + 1)$$

Sequence: A010007
Score: 11.4762
Type of gen. func.: ogf

$$-\frac{(x+1)\,(x^2 + 15\,x + 1)}{(x-1)^3}$$

Sequence: A010007
Score: 19.0443
Type of gen. func.: lgdogf

$$-\frac{19\,x^2 + 64\,x + 19}{(x-1)\,(x+1)\,(x^2 + 15\,x + 1)}$$

Sequence: A010007
Score: 5.99126
Type of gen. func.: ogf

$$\{a(n+4) - 3\,a(n+3) + 3\,a(n+2) - a(n+1),\ a(0) = 1,\ a(1) = 19,\ a(2) = 70,\ a(3) = 155\}$$

Sequence: A010007
Score: 6.36572
Type of gen. func.: ogf

$$(1532 f(x) - 14987)$$

$$(f(x) x^{3} - 3 f(x) x^{2} + x^{3} + 3 f(x) x + 16 x^{2} - f(x) + 16 x + 1)$$

Sequence: A010008
Score: 11.5289
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^{2} + 16 x + 1)}{(x - 1)^{3}}$$

Sequence: A010008
Score: 19.1333
Type of gen. func.: lgdogf

$$- \frac{4 (5 x^{2} + 17 x + 5)}{(x - 1) (x + 1) (x^{2} + 16 x + 1)}$$

Sequence: A010008
Score: 6.01875
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 20, a(2) = 74, a(3) = 164\}$$

Sequence: A010008
Score: 6.60121
Type of gen. func.: ogf

$$(58 f(x) - 607) (f(x) x^{3} - 3 f(x) x^{2} + x^{3} + 3 f(x) x + 17 x^{2} - f(x) + 17 x + 1)$$

Sequence: A010009
Score: 11.5815
Type of gen. func.: ogf

2

$$-\frac{(x + 1)\,(x + 17\,x + 1)}{(x - 1)^{3}}$$

Sequence: A010009
Score: 19.2223
Type of gen. func.: lgdogf

$$-\frac{3\,(7\,x^{2} + 24\,x + 7)}{(x - 1)\,(x + 1)\,(x^{2} + 17\,x + 1)}$$

Sequence: A010009
Score: 6.04623
Type of gen. func.: ogf

$$\{a(n + 4) - 3\,a(n + 3) + 3\,a(n + 2) - a(n + 1),\ a(0) = 1,\ a(1) = 21,\ a(2) = 78,$$
$$a(3) = 173\}$$

Sequence: A010009
Score: 6.52609
Type of gen. func.: ogf

$$(572\,f(x) - 6377)$$
$$(f(x)\,x^{3} - 3\,f(x)\,x^{2} + x^{3} + 3\,f(x)\,x + 18\,x^{2} - f(x) + 18\,x + 1)$$

Sequence: A010010
Score: 11.5815
Type of gen. func.: ogf

$$-\frac{(x + 1)\,(x^{2} + 18\,x + 1)}{(x - 1)^{3}}$$

Sequence: A010010
Score: 18.3486
Type of gen. func.: lgdogf

```
                                     2
                              2 (11 x  + 38 x + 11)
                       - --------------------------------
                                           2
                         (x - 1) (x + 1) (x  + 18 x + 1)
```

Sequence: A010010
Score: 6.04623
Type of gen. func.: ogf

```
{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 22, a(2) = 82,

    a(3) = 182}
```

Sequence: A010010
Score: 6.52609
Type of gen. func.: ogf

```
(113 f(x) - 1337)

           3           2    3                  2
    (f(x) x  - 3 f(x) x  + x  + 3 f(x) x + 19 x  - f(x) + 19 x + 1)
```

Sequence: A010011
Score: 11.6868
Type of gen. func.: ogf

```
                                       2
                             (x + 1) (x  + 19 x + 1)
                           - -----------------------
                                           3
                                    (x - 1)
```

Sequence: A010011
Score: 19.4003
Type of gen. func.: lgdogf

```
                                    2
                                23 x  + 80 x + 23
                       - --------------------------------
                                           2
                         (x - 1) (x + 1) (x  + 19 x + 1)
```

Sequence: A010011
Score: 6.10120
Type of gen. func.: ogf

$\{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 23, a(2) = 86,$

$a(3) = 191\}$

Sequence: A010011
Score: 6.48252
Type of gen. func.: ogf

$(1900 f(x) - 23779)$

$(f(x) x^3 - 3 f(x) x^2 + x^3 + 3 f(x) x + 20 x^2 - f(x) + 20 x + 1)$

Sequence: A010012
Score: 11.6868
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^2 + 20 x + 1)}{(x - 1)^3}$$

Sequence: A010012
Score: 19.4003
Type of gen. func.: lgdogf

$$- \frac{12 (2 x^2 + 7 x + 2)}{(x - 1) (x + 1) (x^2 + 20 x + 1)}$$

Sequence: A010012
Score: 6.10120
Type of gen. func.: ogf

$\{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 24, a(2) = 90,$

$a(3) = 200\}$

Sequence: A010012
Score: 6.38279
Type of gen. func.: ogf

$-(166 f(x) - 2191)$

$(f(x) x^3 - 3 f(x) x^2 + x^3 + 3 f(x) x + 21 x^2 - f(x) + 21 x + 1)$

Sequence: A010013
Score: 11.7394
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 + 21 x + 1)}{(x - 1)^3}$$

Sequence: A010013
Score: 19.4893
Type of gen. func.: lgdogf

$$-\frac{25 x^2 + 88 x + 25}{(x - 1) (x + 1) (x^2 + 21 x + 1)}$$

Sequence: A010013
Score: 6.12868
Type of gen. func.: ogf

$\{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 25, a(2) = 94,$

$a(3) = 209\}$

Sequence: A010013
Score: 6.51172
Type of gen. func.: ogf

$(2084 f(x) - 28931)$

$(f(x) x^3 - 3 f(x) x^2 + x^3 + 3 f(x) x + 22 x^2 - f(x) + 22 x + 1)$

Sequence: A010014
Score: 11.7394
Type of gen. func.: ogf

$$-\frac{(x+1)(x^2+22x+1)}{(x-1)^3}$$

Sequence: A010014
Score: 18.6034
Type of gen. func.: lgdogf

$$-\frac{2(13x^2+46x+13)}{(x-1)(x+1)(x^2+22x+1)}$$

Sequence: A010014
Score: 6.12868
Type of gen. func.: ogf

$\{a(n+4) - 3a(n+3) + 3a(n+2) - a(n+1), a(0) = 1, a(1) = 26, a(2) = 98,$

$a(3) = 218\}$

Sequence: A010014
Score: 6.61508
Type of gen. func.: ogf

$(136 f(x) - 1981)$

$(f(x) x^3 - 3 f(x) x^2 + x^3 + 3 f(x) x + 23 x^2 - f(x) + 23 x + 1)$

Sequence: A010015
Score: 11.4545
Type of gen. func.: ogf

$$-\frac{(x+1)(x^2+23x+1)}{(x-1)^3}$$

Sequence: A010015
Score: 19.0099
Type of gen. func.: lgdogf

$$-\frac{3\,(9\,x^{2}+32\,x+9)}{(x-1)\,(x+1)\,(x^{2}+23\,x+1)}$$

Sequence: A010015
Score: 5.93629
Type of gen. func.: ogf

$$\{a(n+4)-3\,a(n+3)+3\,a(n+2)-a(n+1),\ a(0)=1,\ a(1)=27,\ a(2)=102,\ a(3)=227\}$$

Sequence: A010015
Score: 6.66617
Type of gen. func.: ogf

$$(4\,f(x)-61)\,(f(x)\,x^{3}-3\,f(x)\,x^{2}+x^{3}+3\,f(x)\,x+24\,x^{2}-f(x)+24\,x+1)$$

Sequence: A010016
Score: 11.4545
Type of gen. func.: ogf

$$-\frac{(x+1)\,(x^{2}+24\,x+1)}{(x-1)^{3}}$$

Sequence: A010016
Score: 19.0099
Type of gen. func.: lgdogf

$$-\frac{4\,(7\,x^{2}+25\,x+7)}{(x-1)\,(x+1)\,(x^{2}+24\,x+1)}$$

Sequence: A010016
Score: 5.93629
Type of gen. func.: ogf

$\{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 28, a(2) = 106,$

$a(3) = 236\}$

Sequence: A010016
Score: 6.45454
Type of gen. func.: ogf

$(590 f(x) - 9401)$

$(f(x) x^3 - 3 f(x) x^2 + x^3 + 3 f(x) x + 25 x^2 - f(x) + 25 x + 1)$

Sequence: A010017
Score: 11.4545
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^2 + 25 x + 1)}{(x - 1)^3}$$

Sequence: A010017
Score: 18.5678
Type of gen. func.: lgdogf

$$- \frac{29 x^2 + 104 x + 29}{(x - 1) (x + 1) (x^2 + 25 x + 1)}$$

Sequence: A010017
Score: 5.93629
Type of gen. func.: ogf

$\{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 29, a(2) = 110,$

$a(3) = 245\}$

Sequence: A010017
Score: 6.35369
Type of gen. func.: ogf

$(2452 f(x) - 40747)$

```
           3           2    3                  2
    (f(x) x  - 3 f(x) x  + x  + 3 f(x) x + 26 x  - f(x) + 26 x + 1)



------------------------------------------------------------------------------

Sequence:  A010018
Score: 11.5591
Type of gen. func.: ogf


                                       2
                             (x + 1) (x  + 26 x + 1)
                           - -----------------------
                                           3
                                    (x - 1)



------------------------------------------------------------------------------

Sequence:  A010018
Score: 19.1868
Type of gen. func.: lgdogf


                                     2
                               6 (5 x  + 18 x + 5)
                       - --------------------------------
                                                  2
                         (x - 1) (x + 1) (x  + 26 x + 1)



------------------------------------------------------------------------------

Sequence:  A010018
Score: 5.99050
Type of gen. func.: ogf


{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 30, a(2) = 114,

    a(3) = 254}



------------------------------------------------------------------------------

Sequence:  A010018
Score: 6.61854
Type of gen. func.: ogf


                       3           2    3                  2
(53 f(x) - 917) (f(x) x  - 3 f(x) x  + x  + 3 f(x) x + 27 x  - f(x) + 27 x + 1)



------------------------------------------------------------------------------

Sequence:  A010019
Score: 11.5591
Type of gen. func.: ogf


                                       2
                             (x + 1) (x  + 27 x + 1)
                           - -----------------------
```

$$(x - 1)^3$$

Sequence: A010019
Score: 18.7406
Type of gen. func.: lgdogf

$$-\frac{31 x^2 + 112 x + 31}{(x - 1) (x + 1) (x^2 + 27 x + 1)}$$

Sequence: A010019
Score: 5.99050
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 31, a(2) = 118,$$
$$a(3) = 263\}$$

Sequence: A010019
Score: 6.41171
Type of gen. func.: ogf

$$(2636 f(x) - 47411)$$
$$(f(x) x^3 - 3 f(x) x^2 + x^3 + 3 f(x) x + 28 x^2 - f(x) + 28 x + 1)$$

Sequence: A010020
Score: 11.6115
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 + 29 x + 1)}{(x - 1)^3}$$

Sequence: A010020
Score: 18.3991
Type of gen. func.: lgdogf

$$3 (11 x^2 + 40 x + 11)$$

$$-\frac{}{(x - 1) (x + 1) (x^2 + 29 x + 1)}$$

Sequence: A010020
Score: 6.01761
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 33, a(2) = 126,

a(3) = 281}

Sequence: A010020
Score: 6.49144
Type of gen. func.: ogf

$$(940 f(x) - 18193)$$

$$(f(x) x^3 - 3 f(x) x^2 + x^3 + 3 f(x) x + 30 x^2 - f(x) + 30 x + 1)$$

Sequence: A010021
Score: 11.6115
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 + 30 x + 1)}{(x - 1)^3}$$

Sequence: A010021
Score: 18.3991
Type of gen. func.: lgdogf

$$-\frac{2 (17 x^2 + 62 x + 17)}{(x - 1) (x + 1) (x^2 + 30 x + 1)}$$

Sequence: A010021
Score: 6.01761
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 34, a(2) = 130,

a(3) = 290}

Sequence: A010021
Score: 6.64849
Type of gen. func.: ogf

$$(26 f(x) - 521) (f(x) x^3 - 3 f(x) x^2 + x^3 + 3 f(x) x + 31 x^2 - f(x) + 31 x + 1)$$

Sequence: A010022
Score: 11.3784
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^2 + 38 x + 1)}{(x - 1)^3}$$

Sequence: A010022
Score: 18.8836
Type of gen. func.: lgdogf

$$- \frac{6 (7 x^2 + 26 x + 7)}{(x - 1) (x + 1) (x^2 + 38 x + 1)}$$

Sequence: A010022
Score: 5.89682
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 42, a(2) = 162,

a(3) = 362}

Sequence: A010022
Score: 6.46292
Type of gen. func.: ogf

$$(76 f(x) - 1939)$$

$$(f(x) x^3 - 3 f(x) x^2 + x^3 + 3 f(x) x + 39 x^2 - f(x) + 39 x + 1)$$

Sequence: A010023
Score: 11.3784
Type of gen. func.: ogf

$$-\frac{(x+1)\,(x^2+40\,x+1)}{(x-1)^3}$$

Sequence: A010023
Score: 18.0252
Type of gen. func.: lgdogf

$$-\frac{4\,(11\,x^2+41\,x+11)}{(x-1)\,(x+1)\,(x^2+40\,x+1)}$$

Sequence: A010023
Score: 5.89682
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 44, a(2) = 170,

a(3) = 380}

Sequence: A010023
Score: 6.36114
Type of gen. func.: ogf

$$(958\,f(x)-25753)$$

$$(f(x)\,x^3-3\,f(x)\,x^2+x^3+3\,f(x)\,x+41\,x^2-f(x)+41\,x+1)$$

Sequence: A010024
Score: 7.72019
Type of gen. func.: ogf

$$-\frac{x^5+7\,x^4+42\,x^3+22\,x^2+7\,x+1}{\quad^{5}}$$

$$(x - 1)$$

Sequence: A010024
Score: 8.11318
Type of gen. func.: lgdogf

$$- \frac{4 (3 x^4 + 28 x^3 + 48 x^2 + 18 x + 3)}{(x - 1) (x^5 + 7 x^4 + 42 x^3 + 22 x^2 + 7 x + 1)}$$

Sequence: A010025
Score: 5.08832
Type of gen. func.: ogf

$$\frac{x^5 + 7 x^4 + 42 x^3 + 22 x^2 + 7 x + 1}{(x - 1)^6}$$

Sequence: A010025
Score: 7.55846
Type of gen. func.: lgdogf

$$- \frac{x^5 + 19 x^4 + 154 x^3 + 214 x^2 + 79 x + 13}{(x - 1) (x^5 + 7 x^4 + 42 x^3 + 22 x^2 + 7 x + 1)}$$

Sequence: A010035
Score: 11.6272
Type of gen. func.: revogf

$$- \frac{-1 - 12 x + (36 x^2 + 36 x + 1)^{1/2}}{6 (9 x - 1)}$$

Sequence: A010035
Score: 11.8976
Type of gen. func.: lgdogf

$$2$$

$$-\frac{3\,(27\,x\ \ + 18\,x - 5)}{(3\,x - 1)\,(3\,x + 1)\,(9\,x - 1)}$$

Sequence: A010035
Score: 15.6113
Type of gen. func.: ogf

$$\frac{3\,x + 1}{(9\,x - 1)\,(3\,x - 1)}$$

Sequence: A010035
Score: 8.06297
Type of gen. func.: ogf

$$(214\,f(x) + 411)\,(27\,f(x)\,x^2 - 12\,f(x)\,x + f(x) - 3\,x - 1)$$

Sequence: A010035
Score: 8.63211
Type of gen. func.: ogf

$$\{-a(n + 2) + 12\,a(n + 1) - 27\,a(n),\ a(0) = 1,\ a(1) = 15\}$$

Sequence: A010036
Score: 13.1935
Type of gen. func.: revogf

$$-\frac{-1 - 6\,x + (4\,x^2 + 8\,x + 1)^{1/2}}{2\,(8\,x + 1)}$$

Sequence: A010036
Score: 14.6198
Type of gen. func.: lgdogf

$$-\frac{8\,x^2 - 16\,x + 5}{(x - 1)\,(2\,x - 1)\,(4\,x - 1)}$$

Sequence: A010036
Score: 16.1659
Type of gen. func.: ogf

$$-\frac{x - 1}{(4 x - 1) (2 x - 1)}$$

Sequence: A010036
Score: 8.36168
Type of gen. func.: ogf

$$(14 f(x) + 11) (8 f(x) x^2 - 6 f(x) x + f(x) + x - 1)$$

Sequence: A010036
Score: 8.87155
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A010037
Score: 10.7308
Type of gen. func.: lgdogf

$$-\frac{2502111 + 1435391 x}{(1435391 x + 533360) (x - 1)}$$

Sequence: A010037
Score: 4.33917
Type of gen. func.: ogf

$$(3937502 f(x) + 4160453389601) (f(x) x^2 - 2 f(x) x + f(x) - 1435391 x - 533360)$$

Sequence: A010037
Score: 5.31899
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 533360, a(1) = 2502111\}$$

Sequence: A010037
Score: 8.77978
Type of gen. func.: revogf

$$-\frac{-266680 - x + (71118222400 + 1968751 x)^{1/2}}{-1435391 + x}$$

Sequence: A010037
Score: 8.83332
Type of gen. func.: ogf

$$\frac{1435391 x + 533360}{(x - 1)^2}$$

Sequence: A010049
Score: 12.3118
Type of gen. func.: ogf

$$-\frac{x (x - 1)}{(x^2 + x - 1)^2}$$

Sequence: A010049
Score: 25.4631
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 3 x - 1}{(x - 1) (x^2 + x - 1)}$$

Sequence: A010049
Score: 4.47078
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-5 - 2 n) a(n + 3) - 3 a(n + 2) + (n + 3) a(n + 1),$$

$$a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 3\}$$

Sequence: A010049
Score: 6.20364
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^{4} + 2 f(x) x^{3} - f(x) x^{2} - 2 f(x) x + x^{2} + f(x) - x)$$

Sequence: A010050
Score: 6.87489
Type of gen. func.: ogf

$$\{(4 n^{2} + 14 n + 12) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A010054
Score: 22.6646
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{1}{-x - 1}$$

Sequence: A010070
Score: 4.65672
Type of gen. func.: ogf

$$\frac{7 x^{10} + 7 x^{9} + 8 x^{8} + 9 x^{7} + 9 x^{6} + 9 x^{5} + 9 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 1}{(x + 1) (x^{2} + 1) (x^{4} + 1) (x - 1)^{2}}$$

Sequence: A010076
Score: 6.01617
Type of gen. func.: ogf

$$- \frac{x (8 x^{10} + x^{7} + 6 x^{6} + 3 x^{5} + 3 x^{4} + x^{3} + x^{2} + 1)}{(x - 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1)}$$

Sequence: A010079
Score: 6.14683
Type of gen. func.: ogf

$$-\frac{8x^7-25x^6+2x^5-63x^4-124x^3-71x^2-14x-1}{(x+1)^2(x-1)^4}$$

Sequence: A010079
Score: 6.93677
Type of gen. func.: lgdogf

$$\frac{8(x^8-2x^7-x^6+34x^5+61x^4+98x^3+73x^2+22x+2)}{(x-1)(x+1)(8x^7-25x^6+2x^5-63x^4-124x^3-71x^2-14x-1)}$$

Sequence: A010096
Score: 12.9435
Type of gen. func.: lgdogf

$$\frac{14x^{15}-15x^{14}+2x^3-3x^2-2}{(x-1)(x^{15}+x^3+x+1)}$$

Sequence: A010096
Score: 13.0274
Type of gen. func.: ogf

$$-\frac{x^{15}+x^3+x+1}{x-1}$$

Sequence: A010121
Score: 11.1551
Type of gen. func.: ogf

$$-\frac{(2x^2+3x+2)(x^2-x+1)}{(x-1)(x+1)(x^2+1)}$$

Sequence: A010121
Score: 7.63246
Type of gen. func.: ogf

$$-(5 f(x) - 7) (f(x) x^4 + 2 x^4 + x^3 + x^2 - f(x) + x + 2)$$

Sequence: A010121
Score: 8.73465
Type of gen. func.: lgdogf

$$-\frac{x^6 + 2 x^5 + 3 x^4 + 16 x^3 + 3 x^2 + 2 x + 1}{(x - 1) (x + 1) (x^2 + 1) (2 x^2 + 3 x + 2) (x^2 - x + 1)}$$

Sequence: A010122
Score: 6.73816
Type of gen. func.: lgdogf

$$-\frac{x^8 + 2 x^7 + 3 x^6 + 4 x^5 + 30 x^4 + 4 x^3 + 3 x^2 + 2 x + 1}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (3 x^4 - 2 x^3 + 3 x^2 - 2 x + 3)}$$

Sequence: A010122
Score: 7.03965
Type of gen. func.: ogf

$$-(3 f(x) - 7) (f(x) x^5 + 3 x^5 + x^4 + x^3 + x^2 - f(x) + x + 3)$$

Sequence: A010122
Score: 9.93266
Type of gen. func.: ogf

$$-\frac{(x + 1) (3 x^4 - 2 x^3 + 3 x^2 - 2 x + 3)}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A010123
Score: 11.1551

Type of gen. func.: ogf

$$-\frac{(3x^2+4x+3)(x^2-x+1)}{(x-1)(x+1)(x^2+1)}$$

Sequence: A010123
Score: 7.7966
Type of gen. func.: ogf

$$(64 f(x) - 75) (f(x) x^4 + 3 x^4 + x^3 + 2 x^2 - f(x) + x + 3)$$

Sequence: A010123
Score: 8.73465
Type of gen. func.: lgdogf

$$-\frac{x^6 + 4x^5 + 3x^4 + 24x^3 + 3x^2 + 4x + 1}{(x-1)(x+1)(x^2+1)(3x^2+4x+3)(x^2-x+1)}$$

Sequence: A010124
Score: 5.35990
Type of gen. func.: lgdogf

$$-(2x^{10} + 2x^9 + 9x^8 + 4x^7 + 10x^6 + 48x^5 + 10x^4 + 4x^3 + 9x^2 + 2x + 2) \Big/ ((x-1)(x+1)(x^2+x+1)(x^2-x+1)(4x^6 + 2x^5 + x^4 + 3x^3 + x^2 + 2x + 4))$$

Sequence: A010124
Score: 8.95165
Type of gen. func.: ogf

$$-\frac{4x^6 + 2x^5 + x^4 + 3x^3 + x^2 + 2x + 4}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

```
------------------------------------------------------------------------------

Sequence:  A010125
Score: 5.70570
Type of gen. func.: lgdogf


    10      9      8      7      6       5      4      3      2              /
- (x   + 2 x  + 6 x  + 4 x  + 5 x  + 48 x  + 5 x  + 4 x  + 6 x  + 2 x + 1)  /
                                                                           /

                       2            2            2
    ((x - 1) (x + 1) (x  + x + 1) (x  - x + 1) (x  + 1)

        4    3      2
    (4 x  + x  - 3 x  + x + 4))



------------------------------------------------------------------------------

Sequence:  A010125
Score: 8.95165
Type of gen. func.: ogf


                           4    3      2            2
                       (4 x  + x  - 3 x  + x + 4) (x  + 1)
                  - -----------------------------------------
                                      2            2
                    (x - 1) (x + 1) (x  + x + 1) (x  - x + 1)



------------------------------------------------------------------------------

Sequence:  A010126
Score: 5.44236
Type of gen. func.: lgdogf


    10      9       8      7      6       5      4      3       2
- (x   + 4 x  + 12 x  + 8 x  + 5 x  + 48 x  + 5 x  + 8 x  + 12 x  + 4 x + 1)

       /                    2            2
      /  ((x - 1) (x + 1) (x  + x + 1) (x  - x + 1)
     /

        6    5      4      3      2
    (4 x  + x  + 2 x  + 4 x  + 2 x  + x + 4))



------------------------------------------------------------------------------

Sequence:  A010126
Score: 8.95165
Type of gen. func.: ogf


                        6    5      4      3      2
                     4 x  + x  + 2 x  + 4 x  + 2 x  + x + 4
                  - -----------------------------------------
                                      2            2
                    (x - 1) (x + 1) (x  + x + 1) (x  - x + 1)



------------------------------------------------------------------------------
```

Sequence: A010127
Score: 11.1551
Type of gen. func.: ogf

$$-\frac{(4x^2+5x+4)(x^2-x+1)}{(x-1)(x+1)(x^2+1)}$$

Sequence: A010127
Score: 7.63246
Type of gen. func.: ogf

$$(275 f(x) - 117) (f(x) x^4 + 4 x^4 + x^3 + 3 x^2 - f(x) + x + 4)$$

Sequence: A010127
Score: 8.73465
Type of gen. func.: lgdogf

$$-\frac{x^6+6x^5+3x^4+32x^3+3x^2+6x+1}{(x-1)(x+1)(x^2+1)(4x^2+5x+4)(x^2-x+1)}$$

Sequence: A010128
Score: 10.8958
Type of gen. func.: ogf

$$-\frac{(x+1)(5x^4-3x^3+4x^2-3x+5)}{(x-1)(x^4+x^3+x^2+x+1)}$$

Sequence: A010128
Score: 7.26932
Type of gen. func.: lgdogf

$$-\frac{2x^8+2x^7+3x^6+8x^5+50x^4+8x^3+3x^2+2x+2}{(x-1)(x+1)(x^4+x^3+x^2+x+1)(5x^4-3x^3+4x^2-3x+5)}$$

Sequence: A010129
Score: 7.54564
Type of gen. func.: ogf

$$-\frac{(x^2 - x + 1)(5 x^6 + 6 x^5 + 2 x^4 - x^3 + 2 x^2 + 6 x + 5)}{(x - 1)(x + 1)(x^2 + 1)(x^4 + 1)}$$

Sequence: A010130
Score: 11.0232
Type of gen. func.: ogf

$$-\frac{5 x^4 + x^3 + x^2 + x + 5}{(x - 1)(x + 1)(x^2 + 1)}$$

Sequence: A010130
Score: 7.62241
Type of gen. func.: ogf

$$(22 f(x) - 117)(f(x) x^4 + 5 x^4 + x^3 + x^2 - f(x) + x + 5)$$

Sequence: A010130
Score: 9.08240
Type of gen. func.: lgdogf

$$-\frac{x^6 + 2 x^5 + 3 x^4 + 40 x^3 + 3 x^2 + 2 x + 1}{(x - 1)(x + 1)(x^2 + 1)(5 x^4 + x^3 + x^2 + x + 5)}$$

Sequence: A010131
Score: 11.0232
Type of gen. func.: ogf

$$-\frac{5 x^4 + x^3 + 2 x^2 + x + 5}{(x - 1)(x + 1)(x^2 + 1)}$$

Sequence: A010131
Score: 7.54218
Type of gen. func.: ogf

$$(128 f(x) - 525) (f(x) x^4 + 5 x^4 + x^3 + 2 x^2 - f(x) + x + 5)$$

Sequence: A010131
Score: 8.85247
Type of gen. func.: lgdogf

$$- \frac{x^6 + 4 x^5 + 3 x^4 + 40 x^3 + 3 x^2 + 4 x + 1}{(x - 1) (x + 1) (x^2 + 1) (5 x^4 + x^3 + 2 x^2 + x + 5)}$$

Sequence: A010132
Score: 11.0232
Type of gen. func.: ogf

$$- \frac{(5 x^2 + 6 x + 5) (x^2 - x + 1)}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A010132
Score: 7.8737
Type of gen. func.: ogf

$$(7 f(x) + 4) (f(x) x^4 + 5 x^4 + x^3 + 4 x^2 - f(x) + x + 5)$$

Sequence: A010132
Score: 8.63389
Type of gen. func.: lgdogf

$$- \frac{x^6 + 8 x^5 + 3 x^4 + 40 x^3 + 3 x^2 + 8 x + 1}{(x - 1) (x + 1) (x^2 + 1) (5 x^2 + 6 x + 5) (x^2 - x + 1)}$$

Sequence: A010133
Score: 11.2829
Type of gen. func.: lgdogf

$$-\frac{x^4 + 2x^3 + 18x^2 + 2x + 1}{(x-1)(x+1)(x^2+x+1)(3x^2-2x+3)}$$

Sequence: A010133
Score: 12.3728
Type of gen. func.: ogf

$$-\frac{2(x+1)(3x^2-2x+3)}{(x-1)(x^2+x+1)}$$

Sequence: A010133
Score: 7.27063
Type of gen. func.: ogf

{-a(n + 4) + a(n + 1), a(0) = 6, a(1) = 2, a(2) = 2, a(3) = 12}

Sequence: A010133
Score: 7.92416
Type of gen. func.: ogf

$$-(13 f(x) - 72)(f(x) x^3 + 6 x^3 + 2 x^2 - f(x) + 2 x + 6)$$

Sequence: A010134
Score: 6.28882
Type of gen. func.: ogf

$$-\frac{6x^{10} + x^9 + x^8 + 3x^7 + x^6 + 5x^5 + x^4 + 3x^3 + x^2 + x + 6}{(x-1)(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)}$$

Sequence: A010135
Score: 5.60577
Type of gen. func.: lgdogf

$$- (x^{10} + 4 x^9 + 6 x^8 + 8 x^7 + 5 x^6 + 72 x^5 + 5 x^4 + 8 x^3 + 6 x^2 + 4 x + 1) / ((x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (6 x^4 + x^3 - 4 x^2 + x + 6))$$

Sequence: A010135
Score: 8.79489
Type of gen. func.: ogf

$$- \frac{(x^2 + 1) (6 x^4 + x^3 - 4 x^2 + x + 6)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A010136
Score: 5.40494
Type of gen. func.: ogf

$$- \frac{(6 x^8 + x^7 + 3 x^6 + x^5 - 5 x^4 + x^3 + 3 x^2 + x + 6) (x^4 + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x^4 - x^2 + 1)}$$

Sequence: A010137
Score: 11.0232
Type of gen. func.: ogf

$$- \frac{(6 x^2 + 7 x + 6) (x^2 - x + 1)}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A010137
Score: 7.46361
Type of gen. func.: ogf

$$(833 f(x) + 1425) (f(x) x^4 + 6 x^4 + x^3 + 5 x^2 - f(x) + x + 6)$$

Sequence: A010137
Score: 8.42584
Type of gen. func.: lgdogf

$$-\frac{x^6+10x^5+3x^4+48x^3+3x^2+10x+1}{(x-1)(x+1)(x^2+1)(6x^2+7x+6)(x^2-x+1)}$$

Sequence: A010138
Score: 5.34705
Type of gen. func.: lgdogf

$$-2(2x^{10}+x^9+3x^8+2x^7+10x^6+42x^5+10x^4+2x^3+3x^2+x+2) \Big/ ((x-1)(x+1)(x^2+x+1)(x^2-x+1)(7x^6+4x^5+x^4+2x^3+x^2+4x+7))$$

Sequence: A010138
Score: 8.79489
Type of gen. func.: ogf

$$-\frac{7x^6+4x^5+x^4+2x^3+x^2+4x+7}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A010139
Score: 6.45643
Type of gen. func.: lgdogf

$$-\frac{3x^8+2x^7+3x^6+12x^5+70x^4+12x^3+3x^2+2x+3}{(x-1)(x+1)(x^4+x^3+x^2+x+1)(7x^4-4x^3+5x^2-4x+7)}$$

Sequence: A010139
Score: 9.87700
Type of gen. func.: ogf

$$-\frac{(x+1)(7x^4-4x^3+5x^2-4x+7)}{(x-1)(x^4+x^3+x^2+x+1)}$$

Sequence: A010140
Score: 5.51679
Type of gen. func.: lgdogf

$$-2(x^{10}+x^9+9x^8+2x^7+5x^6+42x^5+5x^4+2x^3+9x^2+x+1) \Big/ \Big((x-1)(x+1)(x^2+x+1)(x^2-x+1)(7x^6+2x^5+x^4+6x^3+x^2+2x+7)\Big)$$

Sequence: A010140
Score: 8.79489
Type of gen. func.: ogf

$$-\frac{7x^6+2x^5+x^4+6x^3+x^2+2x+7}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A010141
Score: 11.0232
Type of gen. func.: ogf

$$-\frac{7x^4+2x^3+2x^2+2x+7}{(x-1)(x+1)(x^2+1)}$$

Sequence: A010141
Score: 7.78812
Type of gen. func.: ogf

$$(4f(x)-25)(f(x)x^4+7x^4+2x^3+2x^2-f(x)+2x+7)$$

Sequence: A010141
Score: 8.22759
Type of gen. func.: lgdogf

$$-\frac{2\,(x^6+2\,x^5+3\,x^4+28\,x^3+3\,x^2+2\,x+1)}{(x-1)\,(x+1)\,(7\,x^4+2\,x^3+2\,x^2+2\,x+7)\,(x^2+1)}$$

Sequence: A010142
Score: 5.51679
Type of gen. func.: lgdogf

$$-(x^{10}+2\,x^9+12\,x^8+4\,x^7+5\,x^6+84\,x^5+5\,x^4+4\,x^3+12\,x^2+2\,x+1)\;/\;((x-1)\,(x+1)\,(x^2+x+1)\,(x^2-x+1)\,(7\,x^6+x^5+x^4+4\,x^3+x^2+x+7))$$

Sequence: A010142
Score: 8.79489
Type of gen. func.: ogf

$$-\frac{7\,x^6+x^5+x^4+4\,x^3+x^2+x+7}{(x-1)\,(x+1)\,(x^2+x+1)\,(x^2-x+1)}$$

Sequence: A010143
Score: 8.15074
Type of gen. func.: ogf

$$-\frac{(x+1)\,(7\,x^6-6\,x^5+7\,x^4-6\,x^3+7\,x^2-6\,x+7)}{(x-1)\,(x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A010144
Score: 5.34705
Type of gen. func.: lgdogf

$$-(x^{10}+4\,x^9+21\,x^8+8\,x^7+5\,x^6+84\,x^5+5\,x^4+8\,x^3+21\,x^2+4\,x+1)$$

$$\Big/ \left((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (7 x^6 + x^5 + 2 x^4 + 7 x^3 + 2 x^2 + x + 7)\right)$$

Sequence: A010144
Score: 8.79489
Type of gen. func.: ogf

$$- \frac{7 x^6 + x^5 + 2 x^4 + 7 x^3 + 2 x^2 + x + 7}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A010145
Score: 5.83237
Type of gen. func.: ogf

$$- (x + 1) (7 x^{10} - 6 x^9 + 10 x^8 - 7 x^7 + 8 x^6 - 6 x^5 + 8 x^4 - 7 x^3 + 10 x^2 - 6 x + 7) \Big/ \left((x - 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\right)$$

Sequence: A010146
Score: 11.0232
Type of gen. func.: ogf

$$- \frac{(x^2 - x + 1) (7 x^2 + 8 x + 7)}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A010146
Score: 7.46361
Type of gen. func.: ogf

$$(640 f(x) + 1881) (f(x) x^4 + 7 x^4 + x^3 + 6 x^2 - f(x) + x + 7)$$

Sequence: A010146
Score: 8.42584
Type of gen. func.: lgdogf

$$-\frac{x^6+12x^5+3x^4+56x^3+3x^2+12x+1}{(x-1)(x+1)(x^2+1)(x^2-x+1)(7x^2+8x+7)}$$

Sequence: A010147
Score: 6.28882
Type of gen. func.: ogf

$$-\frac{8x^{10}+5x^9+2x^8+x^7+x^6+7x^5+x^4+x^3+2x^2+5x+8}{(x-1)(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)}$$

Sequence: A010148
Score: 7.54564
Type of gen. func.: ogf

$$-\frac{8x^8+3x^7+3x^6+x^5+4x^4+x^3+3x^2+3x+8}{(x-1)(x+1)(x^2+1)(x^4+1)}$$

Sequence: A010149
Score: 5.51679
Type of gen. func.: lgdogf

$$-2(x^{10}+x^9+3x^8+2x^7+5x^6+48x^5+5x^4+2x^3+3x^2+x+1)\Big/\Big((x-1)(x+1)(x^2+x+1)(x^2-x+1)(8x^6+2x^5+x^4+2x^3+x^2+2x+8)\Big)$$

Sequence: A010149
Score: 8.79489
Type of gen. func.: ogf

6 5 4 3 2

$$-\frac{8x+2x+x+2x+x+2x+8}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A010150
Score: 7.54564
Type of gen. func.: ogf

$$-\frac{(x^2+x+1)(8x^6-6x^5+7x^3-6x+8)}{(x-1)(x+1)(x^2+1)(x^4+1)}$$

Sequence: A010151
Score: 8.15074
Type of gen. func.: ogf

$$-\frac{(x+1)(8x^6-7x^5+8x^4-3x^3+8x^2-7x+8)}{(x-1)(x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A010152
Score: 6.70239
Type of gen. func.: lgdogf

$$-\frac{x^8+2x^7+3x^6+4x^5+80x^4+4x^3+3x^2+2x+1}{(x-1)(x+1)(x^4+x^3+x^2+x+1)(8x^4-7x^3+8x^2-7x+8)}$$

Sequence: A010152
Score: 9.87700
Type of gen. func.: ogf

$$-\frac{(x+1)(8x^4-7x^3+8x^2-7x+8)}{(x-1)(x^4+x^3+x^2+x+1)}$$

Sequence: A010153
Score: 11.0232

Type of gen. func.: ogf

$$-\frac{8x^4+x^3+x^2+x+8}{(x-1)(x+1)(x^2+1)}$$

Sequence: A010153
Score: 7.62241
Type of gen. func.: ogf

$$(17f(x)-133)(f(x)x^4+8x^4+x^3+x^2-f(x)+x+8)$$

Sequence: A010153
Score: 9.08240
Type of gen. func.: lgdogf

$$-\frac{x^6+2x^5+3x^4+64x^3+3x^2+2x+1}{(x-1)(x+1)(x^2+1)(8x^4+x^3+x^2+x+8)}$$

Sequence: A010154
Score: 5.40494
Type of gen. func.: ogf

$$-(8x^{12}+x^{11}+2x^{10}+x^9+x^8+5x^7+4x^6+5x^5+x^4+x^3+2x^2+x+8) \Big/ ((x-1)(x+1)(x^2+x+1)(x^2-x+1)(x^2+1)(x^4-x^2+1))$$

Sequence: A010155
Score: 5.51679
Type of gen. func.: lgdogf

$$-(x^{10}+6x^9+6x^8+12x^7+5x^6+96x^5+5x^4+12x^3+6x^2+6x+1) \Big/ ((x-1)(x+1)(x^2+1)(x^2+x+1)(x^2-x+1)(8x^4+x^3-5x^2+x+8))$$

Sequence: A010155
Score: 8.79489
Type of gen. func.: ogf

$$-\frac{(x^2+1)(8x^4+x^3-5x^2+x+8)}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A010156
Score: 11.0232
Type of gen. func.: ogf

$$-\frac{8x^4+x^3+4x^2+x+8}{(x-1)(x+1)(x^2+1)}$$

Sequence: A010156
Score: 7.54218
Type of gen. func.: ogf

$$(160 f(x) - 891) (f(x) x^4 + 8 x^4 + x^3 + 4 x^2 - f(x) + x + 8)$$

Sequence: A010156
Score: 8.85247
Type of gen. func.: lgdogf

$$-\frac{x^6+8x^5+3x^4+64x^3+3x^2+8x+1}{(x-1)(x+1)(x^2+1)(8x^4+x^3+4x^2+x+8)}$$

Sequence: A010157
Score: 11.0232
Type of gen. func.: ogf

$$-\frac{(x^2-x+1)(8x^2+9x+8)}{(x-1)(x+1)(x^2+1)}$$

Sequence: A010157
Score: 7.54218
Type of gen. func.: ogf

$$(207 f(x) + 875) (f(x) x^4 + 8 x^4 + x^3 + 7 x^2 - f(x) + x + 8)$$

Sequence: A010157
Score: 8.42584
Type of gen. func.: lgdogf

$$- \frac{x^6 + 14 x^5 + 3 x^4 + 64 x^3 + 3 x^2 + 14 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^2 - x + 1) (8 x^2 + 9 x + 8)}$$

Sequence: A010158
Score: 6.45643
Type of gen. func.: lgdogf

$$- \frac{4 x^8 + 2 x^7 + 3 x^6 + 16 x^5 + 90 x^4 + 16 x^3 + 3 x^2 + 2 x + 4}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (9 x^4 - 5 x^3 + 6 x^2 - 5 x + 9)}$$

Sequence: A010158
Score: 9.87700
Type of gen. func.: ogf

$$- \frac{(x + 1) (9 x^4 - 5 x^3 + 6 x^2 - 5 x + 9)}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A010159
Score: 6.28882
Type of gen. func.: ogf

$$- \frac{9 x^{10} + 3 x^9 + x^8 + x^7 + x^6 + 8 x^5 + x^4 + x^3 + x^2 + 3 x + 9}{}$$

4 3 2 4 3 2

$$(x - 1) (x + 1) (x + x + x + x + 1) (x - x + x - x + 1)$$

Sequence: A010160
Score: 5.30623
Type of gen. func.: lgdogf

$$- (2 x^{10} + 2 x^9 + 3 x^8 + 4 x^7 + 10 x^6 + 108 x^5 + 10 x^4 + 4 x^3 + 3 x^2 + 2 x + 2) / ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (9 x^6 + 2 x^5 + x^4 + x^3 + x^2 + 2 x + 9))$$

Sequence: A010160
Score: 8.79489
Type of gen. func.: ogf

$$- \frac{9 x^6 + 2 x^5 + x^4 + x^3 + x^2 + 2 x + 9}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A010161
Score: 6.51621
Type of gen. func.: lgdogf

$$- \frac{2 x^8 + 6 x^7 + 9 x^6 + 8 x^5 + 90 x^4 + 8 x^3 + 9 x^2 + 6 x + 2}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (9 x^4 - 7 x^3 + 10 x^2 - 7 x + 9)}$$

Sequence: A010161
Score: 9.87700
Type of gen. func.: ogf

$$- \frac{(x + 1) (9 x^4 - 7 x^3 + 10 x^2 - 7 x + 9)}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A010162

Score: 7.54564
Type of gen. func.: ogf

$$-\frac{9x^8+x^7+x^6+5x^5+x^4+5x^3+x^2+x+9}{(x-1)(x+1)(x^2+1)(x^4+1)}$$

Sequence: A010163
Score: 7.54564
Type of gen. func.: ogf

$$-\frac{9x^8+x^7+x^6+2x^5+4x^4+2x^3+x^2+x+9}{(x-1)(x+1)(x^2+1)(x^4+1)}$$

Sequence: A010164
Score: 6.28882
Type of gen. func.: ogf

$$-\frac{9x^{10}+x^9+x^8+x^7+4x^6+6x^5+4x^4+x^3+x^2+x+9}{(x-1)(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)}$$

Sequence: A010166
Score: 11.0232
Type of gen. func.: ogf

$$-\frac{9x^4+x^3+2x^2+x+9}{(x-1)(x+1)(x^2+1)}$$

Sequence: A010166
Score: 7.31129
Type of gen. func.: ogf

$$(2560 f(x) - 21879)(f(x)x^4+9x^4+x^3+2x^2-f(x)+x+9)$$

Sequence: A010166
Score: 8.85247
Type of gen. func.: lgdogf

$$-\frac{x^6 + 4 x^5 + 3 x^4 + 72 x^3 + 3 x^2 + 4 x + 1}{(x - 1) (x + 1) (9 x^4 + x^3 + 2 x^2 + x + 9) (x^2 + 1)}$$

Sequence: A010167
Score: 11.0232
Type of gen. func.: ogf

$$-\frac{9 x^4 + x^3 + 3 x^2 + x + 9}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A010167
Score: 7.02458
Type of gen. func.: ogf

$$-(4725 f(x) - 37582) (f(x) x^4 + 9 x^4 + x^3 + 3 x^2 - f(x) + x + 9)$$

Sequence: A010167
Score: 8.85247
Type of gen. func.: lgdogf

$$-\frac{x^6 + 6 x^5 + 3 x^4 + 72 x^3 + 3 x^2 + 6 x + 1}{(x - 1) (x + 1) (x^2 + 1) (9 x^4 + x^3 + 3 x^2 + x + 9)}$$

Sequence: A010168
Score: 5.83237
Type of gen. func.: ogf

$$- (x + 1) (9 x^{10} - 8 x^9 + 13 x^8 - 12 x^7 + 13 x^6 - 12 x^5 + 13 x^4 - 12 x^3 + 13 x^2 - 8 x + 9) \Big/ ((x - 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1))$$

Sequence: A010169
Score: 11.0232
Type of gen. func.: ogf

$$-\frac{(9x^2+10x+9)(x^2-x+1)}{(x-1)(x+1)(x^2+1)}$$

Sequence: A010169
Score: 7.46361
Type of gen. func.: ogf

$$(325 f(x)+1806)(f(x)x^4+9x^4+x^3+8x^2-f(x)+x+9)$$

Sequence: A010169
Score: 8.32554
Type of gen. func.: lgdogf

$$-\frac{x^6+16x^5+3x^4+72x^3+3x^2+16x+1}{(x-1)(x+1)(x^2+1)(9x^2+10x+9)(x^2-x+1)}$$

Sequence: A010170
Score: 13.2014
Type of gen. func.: ogf

$$-f(x)x^2-9x^2+f(x)-x-9$$

Sequence: A010170
Score: 14.2790
Type of gen. func.: ogf

$$-\frac{9x^2+x+9}{(x-1)(x+1)}$$

Sequence: A010170
Score: 18.4571
Type of gen. func.: lgdogf

$$-\frac{x^2 + 36x + 1}{(x-1)(x+1)(9x^2 + x + 9)}$$

Sequence: A010170
Score: 8.23144
Type of gen. func.: ogf

$$\{-a(n+3) + a(n+1),\ a(0) = 9,\ a(1) = 1,\ a(2) = 18\}$$

Sequence: A010171
Score: 5.35714
Type of gen. func.: ogf

$$-(10x^{12} + 6x^{11} + x^{10} + 2x^9 + x^8 + x^7 + 9x^6 + x^5 + x^4 + 2x^3 + x^2 + 6x + 10) \Big/ ((x-1)(x+1)(x^2 + x + 1)(x^2 - x + 1)(x^2 + 1)(x^4 - x^2 + 1))$$

Sequence: A010172
Score: 6.84044
Type of gen. func.: ogf

$$-\frac{(x+1)(10x^8 - 7x^7 + 9x^6 - 8x^5 + 9x^4 - 8x^3 + 9x^2 - 7x + 10)}{(x-1)(x^2 + x + 1)(x^6 + x^3 + 1)}$$

Sequence: A010173
Score: 8.63498
Type of gen. func.: ogf

$$-\frac{10x^6 + 2x^5 + x^4 + 9x^3 + x^2 + 2x + 10}{\quad{}^{2}\qquad\qquad{}^{2}}$$

$$(x - 1) (x + 1) (x + x + 1) (x - x + 1)$$

Sequence: A010174
Score: 7.32743
Type of gen. func.: ogf

$$-\frac{10 x^{8} + 2 x^{7} + x^{6} + x^{5} + 4 x^{4} + x^{3} + x^{2} + 2 x + 10}{(x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1)}$$

Sequence: A010176
Score: 5.42196
Type of gen. func.: lgdogf

$$- (x^{10} + 2 x^{9} + 18 x^{8} + 4 x^{7} + 5 x^{6} + 120 x^{5} + 5 x^{4} + 4 x^{3} + 18 x^{2} + 2 x + 1) \Big/ ((x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (10 x^{6} + x^{5} + x^{4} + 6 x^{3} + x^{2} + x + 10))$$

Sequence: A010176
Score: 8.63498
Type of gen. func.: ogf

$$-\frac{10 x^{6} + x^{5} + x^{4} + 6 x^{3} + x^{2} + x + 10}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A010177
Score: 5.50735
Type of gen. func.: lgdogf

$$- (x^{10} + 2 x^{9} + 6 x^{8} + 4 x^{7} + 5 x^{6} + 120 x^{5} + 5 x^{4} + 4 x^{3} + 6 x^{2} + 2 x + 1) \Big/ ((x - 1) (x + 1) (x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (10 x^{4} + x^{3} - 9 x^{2} + x + 10))$$

Sequence: A010177
Score: 8.63498
Type of gen. func.: ogf

$$-\frac{(x^{2}+1)\,(10\,x^{4}+x^{3}-9\,x^{2}+x+10)}{(x-1)\,(x+1)\,(x^{2}+x+1)\,(x^{2}-x+1)}$$

Sequence: A010178
Score: 6.84044
Type of gen. func.: ogf

$$-\frac{(x+1)\,(x^{2}-x+1)\,(10\,x^{6}+x^{5}+x^{4}-9\,x^{3}+x^{2}+x+10)}{(x-1)\,(x^{2}+x+1)\,(x^{6}+x^{3}+1)}$$

Sequence: A010179
Score: 5.16795
Type of gen. func.: lgdogf

$$-(x^{10}+4\,x^{9}+30\,x^{8}+8\,x^{7}+5\,x^{6}+120\,x^{5}+5\,x^{4}+8\,x^{3}+30\,x^{2}+4\,x+1)\Big/\Big((x-1)\,(x+1)\,(x^{2}+x+1)\,(x^{2}-x+1)\,(10\,x^{6}+x^{5}+2\,x^{4}+10\,x^{3}+2\,x^{2}+x+10)\Big)$$

Sequence: A010179
Score: 8.44643
Type of gen. func.: ogf

$$-\frac{10\,x^{6}+x^{5}+2\,x^{4}+10\,x^{3}+2\,x^{2}+x+10}{(x-1)\,(x+1)\,(x^{2}+x+1)\,(x^{2}-x+1)}$$

Sequence: A010180
Score: 6.21856
Type of gen. func.: ogf

$$-\frac{10x^{10}+x^{9}+2x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+2x^{2}+x+10}{(x-1)(x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)}$$

Sequence: A010181
Score: 6.21856
Type of gen. func.: ogf

$$-\frac{10x^{10}+x^{9}+3x^{8}+2x^{7}+x^{6}+4x^{5}+x^{4}+2x^{3}+3x^{2}+x+10}{(x-1)(x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)}$$

Sequence: A010182
Score: 5.42196
Type of gen. func.: lgdogf

$$-(x^{10}+8x^{9}+6x^{8}+16x^{7}+5x^{6}+120x^{5}+5x^{4}+16x^{3}+6x^{2}+8x+1) / ((x-1)(x+1)(x^{2}+1)(x^{2}+x+1)(x^{2}-x+1)(10x^{4}+x^{3}-6x^{2}+x+10))$$

Sequence: A010182
Score: 8.63498
Type of gen. func.: ogf

$$-\frac{(x^{2}+1)(10x^{4}+x^{3}-6x^{2}+x+10)}{(x-1)(x+1)(x^{2}+x+1)(x^{2}-x+1)}$$

Sequence: A010183
Score: 6.14693
Type of gen. func.: ogf

$$-\frac{10x^{10}+x^{9}+6x^{8}+3x^{7}+2x^{6}+10x^{5}+2x^{4}+3x^{3}+6x^{2}+x+10}{(x-1)(x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)}$$

Sequence: A010184
Score: 10.5321
Type of gen. func.: ogf

$$-\frac{(10 x^2 + 11 x + 10) (x^2 - x + 1)}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A010184
Score: 7.27474
Type of gen. func.: ogf

$$(121 f(x) + 837) (f(x) x^4 + 10 x^4 + x^3 + 9 x^2 - f(x) + x + 10)$$

Sequence: A010184
Score: 8.00632
Type of gen. func.: lgdogf

$$-\frac{x^6 + 18 x^5 + 3 x^4 + 80 x^3 + 3 x^2 + 18 x + 1}{(x - 1) (x + 1) (x^2 + 1) (10 x^2 + 11 x + 10) (x^2 - x + 1)}$$

Sequence: A010186
Score: 6.32204
Type of gen. func.: lgdogf

$$-\frac{5 x^8 + 2 x^7 + 3 x^6 + 20 x^5 + 110 x^4 + 20 x^3 + 3 x^2 + 2 x + 5}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (11 x^4 - 6 x^3 + 7 x^2 - 6 x + 11)}$$

Sequence: A010186
Score: 9.67117
Type of gen. func.: ogf

$$-\frac{(x + 1) (11 x^4 - 6 x^3 + 7 x^2 - 6 x + 11)}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A010187
Score: 10.5321
Type of gen. func.: ogf

$$-\frac{11 x^4 + 4 x^3 + 2 x^2 + 4 x + 11}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A010187
Score: 7.35052
Type of gen. func.: ogf

$$(25 f(x) - 248) (f(x) x^4 + 11 x^4 + 4 x^3 + 2 x^2 - f(x) + 4 x + 11)$$

Sequence: A010187
Score: 8.29571
Type of gen. func.: lgdogf

$$-\frac{4 (x^6 + x^5 + 3 x^4 + 22 x^3 + 3 x^2 + x + 1)}{(x - 1) (x + 1) (x^2 + 1) (11 x^4 + 4 x^3 + 2 x^2 + 4 x + 11)}$$

Sequence: A010188
Score: 5.26988
Type of gen. func.: ogf

$$- (11 x^{12} + 3 x^{11} + x^{10} + 2 x^9 + 2 x^8 + 7 x^7 + 11 x^6 + 7 x^5 + 2 x^4 + 2 x^3 + x^2 + 3 x + 11) / ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x^4 - x^2 + 1))$$

Sequence: A010189
Score: 10.5321
Type of gen. func.: ogf

$$-\frac{11 x^4 + 3 x^3 + 5 x^2 + 3 x + 11}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A010189
Score: 7.20051
Type of gen. func.: ogf

$$(867 f(x) - 7238) (f(x) x^4 + 11 x^4 + 3 x^3 + 5 x^2 - f(x) + 3 x + 11)$$

Sequence: A010189
Score: 7.73645
Type of gen. func.: lgdogf

$$-\frac{3 x^6 + 10 x^5 + 9 x^4 + 88 x^3 + 9 x^2 + 10 x + 3}{(x - 1) (x + 1) (x^2 + 1) (11 x^4 + 3 x^3 + 5 x^2 + 3 x + 11)}$$

Sequence: A010190
Score: 6.21856
Type of gen. func.: ogf

$$-\frac{11 x^{10} + 2 x^9 + x^8 + 3 x^7 + x^6 + 6 x^5 + x^4 + 3 x^3 + x^2 + 2 x + 11}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A010191
Score: 8.44643
Type of gen. func.: ogf

$$-\frac{11 x^6 + 2 x^5 + 4 x^4 + 11 x^3 + 4 x^2 + 2 x + 11}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A010194
Score: 7.32743
Type of gen. func.: ogf

$$-\frac{11x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+11}{(x-1)(x+1)(x^2+1)(x^4+1)}$$

Sequence: A010195
Score: 10.5321
Type of gen. func.: ogf

$$-\frac{11x^4+x^3+x^2+x+11}{(x-1)(x+1)(x^2+1)}$$

Sequence: A010195
Score: 7.35052
Type of gen. func.: ogf

$$(23 f(x) - 250) (f(x) x^4 + 11 x^4 + x^3 + x^2 - f(x) + x + 11)$$

Sequence: A010195
Score: 8.71575
Type of gen. func.: lgdogf

$$-\frac{x^6+2x^5+3x^4+88x^3+3x^2+2x+1}{(x-1)(x+1)(x^2+1)(11x^4+x^3+x^2+x+11)}$$

Sequence: A010196
Score: 6.84044
Type of gen. func.: ogf

$$- (x + 1) (11 x^8 - 10 x^7 + 12 x^6 - 10 x^5 + 11 x^4 - 10 x^3 + 12 x^2 - 10 x + 11) / ((x - 1) (x^2 + x + 1) (x^6 + x^3 + 1))$$

Sequence: A010197
Score: 10.5321

Type of gen. func.: ogf

$$-\frac{11 x^4 + x^3 + 2 x^2 + x + 11}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A010197
Score: 7.0565
Type of gen. func.: ogf

$$(1600 f(x) - 17017) (f(x) x^4 + 11 x^4 + x^3 + 2 x^2 - f(x) + x + 11)$$

Sequence: A010197
Score: 8.50054
Type of gen. func.: lgdogf

$$-\frac{x^6 + 4 x^5 + 3 x^4 + 88 x^3 + 3 x^2 + 4 x + 1}{(x - 1) (x + 1) (x^2 + 1) (11 x^4 + x^3 + 2 x^2 + x + 11)}$$

Sequence: A010199
Score: 10.5321
Type of gen. func.: ogf

$$-\frac{11 x^4 + x^3 + 4 x^2 + x + 11}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A010199
Score: 7.20051
Type of gen. func.: ogf

$$(117 f(x) - 1106) (f(x) x^4 + 11 x^4 + x^3 + 4 x^2 - f(x) + x + 11)$$

Sequence: A010199
Score: 8.50054
Type of gen. func.: lgdogf

$$-\frac{x^6+8x^5+3x^4+88x^3+3x^2+8x+1}{(x-1)(x+1)(x^2+1)(11x^4+x^3+4x^2+x+11)}$$

Sequence: A010200
Score: 10.5321
Type of gen. func.: ogf

$$-\frac{11x^4+x^3+6x^2+x+11}{(x-1)(x+1)(x^2+1)}$$

Sequence: A010200
Score: 7.0565
Type of gen. func.: ogf

$$(3584 f(x) - 24375)(f(x) x^4 + 11 x^4 + x^3 + 6 x^2 - f(x) + x + 11)$$

Sequence: A010200
Score: 8.29571
Type of gen. func.: lgdogf

$$-\frac{x^6+12x^5+3x^4+88x^3+3x^2+12x+1}{(x-1)(x+1)(x^2+1)(11x^4+x^3+6x^2+x+11)}$$

Sequence: A010201
Score: 10.3509
Type of gen. func.: ogf

$$-\frac{(11x^2+12x+11)(x^2-x+1)}{(x-1)(x+1)(x^2+1)}$$

Sequence: A010201
Score: 7.10972
Type of gen. func.: ogf

$$(256 f(x) + 2125) (f(x) x^4 + 11 x^4 + x^3 + 10 x^2 - f(x) + x + 11)$$

Sequence: A010201
Score: 7.98957
Type of gen. func.: lgdogf

$$-\frac{x^6 + 20 x^5 + 3 x^4 + 88 x^3 + 3 x^2 + 20 x + 1}{(x - 1) (x + 1) (11 x^2 + 12 x + 11) (x^2 - x + 1) (x^2 + 1)}$$

Sequence: A010202
Score: 6.84044
Type of gen. func.: ogf

$$-\frac{(x + 1) (12 x^8 - 8 x^7 + 9 x^6 - 4 x^5 + 7 x^4 - 4 x^3 + 9 x^2 - 8 x + 12)}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A010204
Score: 7.32743
Type of gen. func.: ogf

$$-\frac{12 x^8 + 2 x^7 + x^6 + 2 x^5 + 2 x^4 + 2 x^3 + x^2 + 2 x + 12}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A010205
Score: 6.21856
Type of gen. func.: ogf

$$-\frac{(x^2 + 1) (12 x^8 + 2 x^7 - 10 x^6 + x^5 + 11 x^4 + x^3 - 10 x^2 + 2 x + 12)}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A010207
Score: 7.05651

Type of gen. func.: ogf

$$-\frac{(x^2-x+1)(12x^6+13x^5+2x^4-8x^3+2x^2+13x+12)}{(x-1)(x+1)(x^2+1)(x^4+1)}$$

Sequence: A010208
Score: 6.21856
Type of gen. func.: ogf

$$-\frac{12x^{10}+x^9+x^8+x^7+x^6+3x^5+x^4+x^3+x^2+x+12}{(x-1)(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)}$$

Sequence: A010209
Score: 7.32743
Type of gen. func.: ogf

$$-\frac{12x^8+x^7+x^6+x^5+5x^4+x^3+x^2+x+12}{(x-1)(x+1)(x^2+1)(x^4+1)}$$

Sequence: A010210
Score: 6.21856
Type of gen. func.: ogf

$$-\frac{12x^{10}+x^9+2x^8+4x^7+x^6+2x^5+x^4+4x^3+2x^2+x+12}{(x-1)(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)}$$

Sequence: A010211
Score: 6.14693
Type of gen. func.: ogf

$$-(x^2+x+1)(12x^8-11x^7+x^6+11x^5-10x^4+11x^3+x^2-11x+12) \Big/ ((x-1)(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1))$$

Sequence: A010213
Score: 5.33919
Type of gen. func.: lgdogf

$$-(x^{10}+10x^{9}+6x^{8}+20x^{7}+5x^{6}+144x^{5}+5x^{4}+20x^{3}+6x^{2}+10x+1)/((x-1)(x+1)(x^{2}+x+1)(x^{2}-x+1)(x^{2}+1)(12x^{4}+x^{3}-7x^{2}+x+12))$$

Sequence: A010213
Score: 8.63498
Type of gen. func.: ogf

$$-\frac{(x^{2}+1)(12x^{4}+x^{3}-7x^{2}+x+12)}{(x-1)(x+1)(x^{2}+x+1)(x^{2}-x+1)}$$

Sequence: A010215
Score: 10.3509
Type of gen. func.: ogf

$$-\frac{(x^{2}-x+1)(12x^{2}+13x+12)}{(x-1)(x+1)(x^{2}+1)}$$

Sequence: A010215
Score: 6.96893
Type of gen. func.: ogf

$$(5915 f(x)+57387)(f(x)x^{4}+12x^{4}+x^{3}+11x^{2}-f(x)+x+12)$$

Sequence: A010215
Score: 7.98957
Type of gen. func.: lgdogf

$$x^{6}+22x^{5}+3x^{4}+96x^{3}+3x^{2}+22x+1$$

$$- \frac{}{(x - 1) (x + 1) (x^2 + 1) (12 x^2 + 13 x + 12) (x^2 - x + 1)}$$

Sequence: A010217
Score: 6.32204
Type of gen. func.: lgdogf

$$- \frac{6 x^8 + 2 x^7 + 3 x^6 + 24 x^5 + 130 x^4 + 24 x^3 + 3 x^2 + 2 x + 6}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (13 x^4 - 7 x^3 + 8 x^2 - 7 x + 13)}$$

Sequence: A010217
Score: 9.67117
Type of gen. func.: ogf

$$- \frac{(x + 1) (13 x^4 - 7 x^3 + 8 x^2 - 7 x + 13)}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A010218
Score: 10.5321
Type of gen. func.: ogf

$$- \frac{13 x^4 + 5 x^3 + 4 x^2 + 5 x + 13}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A010218
Score: 7.20051
Type of gen. func.: ogf

$$(121 f(x) - 1350) (f(x) x^4 + 13 x^4 + 5 x^3 + 4 x^2 - f(x) + 5 x + 13)$$

Sequence: A010218
Score: 7.65049
Type of gen. func.: lgdogf

6   5   4   3   2

$$-\frac{5 x + 8 x + 15 x + 104 x + 15 x + 8 x + 5}{(x - 1) (x + 1) (x^{2} + 1) (13 x^{4} + 5 x^{3} + 4 x^{2} + 5 x + 13)}$$

Sequence: A010219
Score: 8.63498
Type of gen. func.: ogf

$$-\frac{13 x^{6} + 4 x^{5} + 2 x^{4} + x^{3} + 2 x^{2} + 4 x + 13}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A010220
Score: 10.5321
Type of gen. func.: ogf

$$-\frac{13 x^{4} + 3 x^{3} + x^{2} + 3 x + 13}{(x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A010220
Score: 7.0565
Type of gen. func.: ogf

$$(1875 f(x) - 23408) (f(x) x^{4} + 13 x^{4} + 3 x^{3} + x^{2} - f(x) + 3 x + 13)$$

Sequence: A010220
Score: 8.00632
Type of gen. func.: lgdogf

$$-\frac{3 x^{6} + 2 x^{5} + 9 x^{4} + 104 x^{3} + 9 x^{2} + 2 x + 3}{(x - 1) (x + 1) (x^{2} + 1) (13 x^{4} + 3 x^{3} + x^{2} + 3 x + 13)}$$

Sequence: A010221
Score: 7.32743
Type of gen. func.: ogf

```
                8      7      6      5      4      3      2
            13 x  + 3 x  + 3 x  + 2 x  + 8 x  + 2 x  + 3 x  + 3 x + 13
          - ----------------------------------------------------------
                                          2       4
                        (x - 1) (x + 1) (x  + 1) (x  + 1)
```

Sequence: A010222
Score: 5.28630
Type of gen. func.: lgdogf

```
      10    9       8      7      6       5      4      3       2            /
- 2 (x   + x  + 18 x  + 2 x  + 5 x  + 78 x  + 5 x  + 2 x  + 18 x  + x + 1)  /
                                                                           /

                       2            2
    ((x - 1) (x + 1) (x  + x + 1) (x  - x + 1)

         6      5    4       3    2
    (13 x  + 2 x  + x  + 12 x  + x  + 2 x + 13))
```

Sequence: A010222
Score: 8.44643
Type of gen. func.: ogf

```
                        6      5    4       3    2
                    13 x  + 2 x  + x  + 12 x  + x  + 2 x + 13
                  - -----------------------------------------
                                          2            2
                    (x - 1) (x + 1) (x  + x + 1) (x  - x + 1)
```

Sequence: A010225
Score: 5.42196
Type of gen. func.: lgdogf

```
    10      9       8      7      6        5      4      3       2
- (x   + 2 x  + 24 x  + 4 x  + 5 x  + 156 x  + 5 x  + 4 x  + 24 x  + 2 x + 1)

       /                    2            2
      /  ((x - 1) (x + 1) (x  + x + 1) (x  - x + 1)
     /

         6    5    4      3    2
    (13 x  + x  + x  + 8 x  + x  + x + 13))
```

Sequence: A010225
Score: 8.63498
Type of gen. func.: ogf

```
                          6    5    4      3    2
                      13 x  + x  + x  + 8 x  + x  + x + 13
                  - -----------------------------------------
```

$$(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)$$

Sequence: A010226
Score: 5.35714
Type of gen. func.: ogf

$$- (13 x^{12} + x^{11} + x^{10} + 3 x^9 + 2 x^8 + x^7 + 2 x^6 + x^5 + 2 x^4 + 3 x^3 + x^2 + x + 13) / ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x^4 - x^2 + 1))$$

Sequence: A010227
Score: 6.37899
Type of gen. func.: lgdogf

$$- (x^4 + 6 x^3 + 16 x^2 + 6 x + 1) (x^4 - 4 x^3 + 11 x^2 - 4 x + 1) / ((x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (13 x^4 - 12 x^3 + 13 x^2 - 12 x + 13))$$

Sequence: A010227
Score: 9.67117
Type of gen. func.: ogf

$$- \frac{(x + 1) (13 x^4 - 12 x^3 + 13 x^2 - 12 x + 13)}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A010228
Score: 6.21856
Type of gen. func.: ogf

$$- \frac{13 x^{10} + x^9 + x^8 + x^7 + 3 x^6 + 4 x^5 + 3 x^4 + x^3 + x^2 + x + 13}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A010229
Score: 5.16795
Type of gen. func.: lgdogf

$$-(x^{10}+4x^{9}+39x^{8}+8x^{7}+5x^{6}+156x^{5}+5x^{4}+8x^{3}+39x^{2}+4x+1) \Big/ ((x-1)(x+1)(x^{2}+x+1)(x^{2}-x+1)(13x^{6}+x^{5}+2x^{4}+13x^{3}+2x^{2}+x+13))$$

Sequence: A010229
Score: 8.44643
Type of gen. func.: ogf

$$-\frac{13x^{6}+x^{5}+2x^{4}+13x^{3}+2x^{2}+x+13}{(x-1)(x+1)(x^{2}+x+1)(x^{2}-x+1)}$$

Sequence: A010230
Score: 7.32743
Type of gen. func.: ogf

$$-\frac{13x^{8}+x^{7}+2x^{6}+2x^{5}+6x^{4}+2x^{3}+2x^{2}+x+13}{(x-1)(x+1)(x^{2}+1)(x^{4}+1)}$$

Sequence: A010231
Score: 10.5321
Type of gen. func.: ogf

$$-\frac{13x^{4}+x^{3}+2x^{2}+x+13}{(x-1)(x+1)(x^{2}+1)}$$

Sequence: A010231
Score: 7.20051
Type of gen. func.: ogf

4 4 3 2

```
        (128 f(x) - 1625) (f(x) x  + 13 x  + x  + 2 x  - f(x) + x + 13)
```

Sequence: A010231
Score: 8.39688
Type of gen. func.: lgdogf

```
                    6      5      4        3      2
                   x  + 4 x  + 3 x  + 104 x  + 3 x  + 4 x + 1
            - ------------------------------------------------------
                                 2            4    3      2
              (x - 1) (x + 1) (x  + 1) (13 x  + x  + 2 x  + x + 13)
```

Sequence: A010232
Score: 4.69841
Type of gen. func.: ogf

```
    2
- (x  + 1)

         12    11        10        8    7      6    5       4       2
    (13 x   + x   - 10 x   + 11 x  + x  - 9 x  + x  + 11 x  - 10 x  + x + 13)

       /            6    5    4    3    2
      /  ((x - 1) (x  + x  + x  + x  + x  + x + 1) (x + 1)
     /

      6    5    4    3    2
    (x  - x  + x  - x  + x  - x + 1))
```

Sequence: A010234
Score: 10.5321
Type of gen. func.: ogf

```
                                4    3      2
                            13 x  + x  + 5 x  + x + 13
                          - --------------------------
                                                2
                             (x - 1) (x + 1) (x  + 1)
```

Sequence: A010234
Score: 7.0565
Type of gen. func.: ogf

```
                                   4       4    3      2
       (1519 f(x) - 16588) (f(x) x  + 13 x  + x  + 5 x  - f(x) + x + 13)
```

Sequence: A010234

Score: 8.19695
Type of gen. func.: lgdogf

$$-\frac{x^6+10x^5+3x^4+104x^3+3x^2+10x+1}{(x-1)(x+1)(x^2+1)(13x^4+x^3+5x^2+x+13)}$$

Sequence: A010236
Score: 10.3509
Type of gen. func.: ogf

$$-\frac{(13x^2+14x+13)(x^2-x+1)}{(x-1)(x+1)(x^2+1)}$$

Sequence: A010236
Score: 7.03862
Type of gen. func.: ogf

$$(931 f(x)+10350)(f(x)x^4+13x^4+x^3+12x^2-f(x)+x+13)$$

Sequence: A010236
Score: 7.89773
Type of gen. func.: lgdogf

$$-\frac{x^6+24x^5+3x^4+104x^3+3x^2+24x+1}{(x-1)(x+1)(x^2+1)(x^2-x+1)(13x^2+14x+13)}$$

Sequence: A010368
Score: 3.27838
Type of gen. func.: ogf

$$\frac{x^8+8x^7+252x^6+952x^5+1670x^4+952x^3+252x^2+8x+1}{(x-1)^8}$$

Sequence: A010368
Score: 3.53550
Type of gen. func.: ogf

$$\{(2 n^2 + n) a(n) + (-4 n^2 - 8 n - 132) a(n + 1) + (2 n^2 + 7 n + 6) a(n + 2), a(0) = 1, a(1) = 16\}$$

Sequence: A010370
Score: 12.7618
Type of gen. func.: ogf

$$\mathrm{hypergeom}([-1/2, 1/2], [1], 16 x)$$

Sequence: A010370
Score: 5.18772
Type of gen. func.: ogf

$$\{(-16 n^2 - 32 n - 12) a(n + 1) + (n^2 + 4 n + 4) a(n + 2), a(0) = 1, a(1) = -4\}$$

Sequence: A010551
Score: 3.46638
Type of gen. func.: ogf

$$\{(-n^3 - 7 n^2 - 16 n - 12) a(n + 1) + (-2 n^3 - 22 n^2 - 82 n - 100) a(n + 2) - 8 a(n + 3) + (8 n + 32) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 2\}$$

Sequence: A010673
Score: 11.8196
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 0, a(1) = 2\}$$

Sequence: A010673
Score: 18.1618
Type of gen. func.: ogf

$$f(x) x^2 - f(x) + 2 x$$

Sequence: A010673
Score: 22.5647
Type of gen. func.: ogf

$$-\frac{2x}{(x-1)(x+1)}$$

Sequence: A010673
Score: 48.6339
Type of gen. func.: revogf

$$\frac{-1+(x^2+1)^{1/2}}{x}$$

Sequence: A010673
Score: 57.1617
Type of gen. func.: ogf_with_Euler_transform]

$$[x]$$

Sequence: A010673
Score: 60.7924
Type of gen. func.: lgdogf

$$-\frac{2x}{(x-1)(x+1)}$$

Sequence: A010674
Score: 14.487
Type of gen. func.: ogf

$$f(x)\,x^2 - f(x) + 3\,x$$

Sequence: A010674
Score: 17.9990
Type of gen. func.: ogf

$$-\frac{3x}{(x-1)(x+1)}$$

Sequence: A010674
Score: 27.2118
Type of gen. func.: revogf

$$\frac{-3+(4x^2+9)^{1/2}}{2x}$$

Sequence: A010674
Score: 41.6180
Type of gen. func.: lgdogf

$$-\frac{2x}{(x-1)(x+1)}$$

Sequence: A010674
Score: 45.5715
Type of gen. func.: ogf_with_Euler_transform]

$$[x]$$

Sequence: A010674
Score: 9.42803
Type of gen. func.: ogf

$$\{a(n+2)-a(n),\ a(0)=0,\ a(1)=3\}$$

Sequence: A010675
Score: 13.2905
Type of gen. func.: ogf

$$f(x)\,x^2-f(x)+4x$$

Sequence: A010675
Score: 16.5125
Type of gen. func.: ogf

$$-\frac{4x}{(x-1)(x+1)}$$

Sequence: A010675
Score: 35.3753
Type of gen. func.: revogf

$$\frac{-2+(x^2+4)^{1/2}}{x}$$

Sequence: A010675
Score: 41.6180
Type of gen. func.: lgdogf

$$-\frac{2x}{(x-1)(x+1)}$$

Sequence: A010675
Score: 41.7978
Type of gen. func.: ogf_with_Euler_transform]

$$[x]$$

Sequence: A010675
Score: 8.64940
Type of gen. func.: ogf

$$\{a(n+2)-a(n), a(0)=0, a(1)=4\}$$

Sequence: A010676
Score: 13.2905
Type of gen. func.: ogf

$$f(x)\,x^2-f(x)+5x$$

Sequence: A010676
Score: 16.5125
Type of gen. func.: ogf

$$-\frac{5x}{(x-1)(x+1)}$$

Sequence: A010676
Score: 26.2039
Type of gen. func.: revogf

$$\frac{-5+(4x^{2}+25)^{1/2}}{2x}$$

Sequence: A010676
Score: 41.6180
Type of gen. func.: lgdogf

$$-\frac{2x}{(x-1)(x+1)}$$

Sequence: A010676
Score: 41.7978
Type of gen. func.: ogf_with_Euler_transform]

$$[x]$$

Sequence: A010676
Score: 8.64940
Type of gen. func.: ogf

$$\{a(n+2)-a(n), a(0)=0, a(1)=5\}$$

Sequence: A010677
Score: 13.2905
Type of gen. func.: ogf

$$2$$

```
                         f(x) x  - f(x) + 6 x



------------------------------------------------------------------------------

Sequence:  A010677
Score: 16.5125
Type of gen. func.: ogf


                                      6 x
                             - ---------------
                               (x - 1) (x + 1)



------------------------------------------------------------------------------

Sequence:  A010677
Score: 35.3753
Type of gen. func.: revogf


                                      2     1/2
                              -3 + (x  + 9)
                              ----------------
                                     x



------------------------------------------------------------------------------

Sequence:  A010677
Score: 41.6180
Type of gen. func.: lgdogf


                                      2 x
                             - ---------------
                               (x - 1) (x + 1)



------------------------------------------------------------------------------

Sequence:  A010677
Score: 41.7978
Type of gen. func.: ogf_with_Euler_transform]


                                     [x]



------------------------------------------------------------------------------

Sequence:  A010677
Score: 8.64940
Type of gen. func.: ogf


                     {a(n + 2) - a(n), a(0) = 0, a(1) = 6}



------------------------------------------------------------------------------

Sequence:  A010678
Score: 13.2905
Type of gen. func.: ogf
```

$$f(x)\,x^2 - f(x) + 7\,x$$

Sequence: A010678
Score: 16.5125
Type of gen. func.: ogf

$$-\frac{7\,x}{(x - 1)\,(x + 1)}$$

Sequence: A010678
Score: 26.2039
Type of gen. func.: revogf

$$\frac{-7 + (4\,x^2 + 49)^{1/2}}{2\,x}$$

Sequence: A010678
Score: 41.6180
Type of gen. func.: lgdogf

$$-\frac{2\,x}{(x - 1)\,(x + 1)}$$

Sequence: A010678
Score: 41.7978
Type of gen. func.: ogf_with_Euler_transform]

[x]

Sequence: A010678
Score: 8.64940
Type of gen. func.: ogf

{a(n + 2) - a(n), a(0) = 0, a(1) = 7}

Sequence: A010679
Score: 13.2905
Type of gen. func.: ogf

$$f(x)\,x^2 - f(x) + 8\,x$$

Sequence: A010679
Score: 16.5125
Type of gen. func.: ogf

$$-\frac{8\,x}{(x - 1)\,(x + 1)}$$

Sequence: A010679
Score: 33.6908
Type of gen. func.: revogf

$$\frac{-4 + (x^2 + 16)^{1/2}}{x}$$

Sequence: A010679
Score: 41.6180
Type of gen. func.: lgdogf

$$-\frac{2\,x}{(x - 1)\,(x + 1)}$$

Sequence: A010679
Score: 41.7978
Type of gen. func.: ogf_with_Euler_transform]

[x]

Sequence: A010679
Score: 8.64940
Type of gen. func.: ogf

{a(n + 2) - a(n), a(0) = 0, a(1) = 8}

Sequence: A010680
Score: 13.2905
Type of gen. func.: ogf

$$f(x) x^2 - f(x) + 9 x$$

Sequence: A010680
Score: 16.5125
Type of gen. func.: ogf

$$-\frac{9 x}{(x - 1) (x + 1)}$$

Sequence: A010680
Score: 26.2039
Type of gen. func.: revogf

$$\frac{-9 + (4 x^2 + 81)^{1/2}}{2 x}$$

Sequence: A010680
Score: 41.6180
Type of gen. func.: lgdogf

$$-\frac{2 x}{(x - 1) (x + 1)}$$

Sequence: A010680
Score: 41.7978
Type of gen. func.: ogf_with_Euler_transform]

$$[x]$$

Sequence: A010680
Score: 8.64940
Type of gen. func.: ogf

$$\{a(n+2) - a(n),\ a(0) = 0,\ a(1) = 9\}$$

Sequence: A010681
Score: 13.4667
Type of gen. func.: ogf

$$f(x)\,x^2 - f(x) + 10\,x$$

Sequence: A010681
Score: 16.6354
Type of gen. func.: ogf

$$-\frac{10\,x}{(x-1)\,(x+1)}$$

Sequence: A010681
Score: 32.7192
Type of gen. func.: revogf

$$\frac{-5 + (x^2 + 25)^{1/2}}{x}$$

Sequence: A010681
Score: 42.9439
Type of gen. func.: lgdogf

$$-\frac{2\,x}{(x-1)\,(x+1)}$$

Sequence: A010681
Score: 43.3495
Type of gen. func.: ogf_with_Euler_transform]

$$[x]$$

Sequence: A010681
Score: 8.83755

Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 0, a(1) = 10\}$$

Sequence: A010683
Score: 12.6452
Type of gen. func.: lgdogf

$$-\frac{x - 1 + (x^2 - 6 x + 1)^{1/2}}{(x^2 - 6 x + 1)^{1/2} x}$$

Sequence: A010683
Score: 7.38639
Type of gen. func.: ogf

$$4 f(x)^2 x^2 - f(x) x^2 + 2 f(x) x - f(x) + 1$$

Sequence: A010683
Score: 9.93549
Type of gen. func.: revogf

$$-\frac{2 (4 x^2 + 1)^{1/2} x + (4 x^2 + 1)^{1/2} - 1 - 2 x - 4 x^2}{2 x}$$

Sequence: A010684
Score: 10.0706
Type of gen. func.: ogf

$$-(10 f(x) + 7) (f(x) x^2 - f(x) + 3 x + 1)$$

Sequence: A010684
Score: 11.3294
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A010684
Score: 17.6850
Type of gen. func.: ogf

$$-\frac{3x+1}{(x-1)(x+1)}$$

Sequence: A010684
Score: 20.2145
Type of gen. func.: lgdogf

$$-\frac{3x^2+2x+3}{(x-1)(3x+1)(x+1)}$$

Sequence: A010684
Score: 20.2145
Type of gen. func.: revogf

$$\frac{-1+(4x^2+12x+1)^{1/2}}{2(x+3)}$$

Sequence: A010685
Score: 11.3294
Type of gen. func.: ogf

$$\{a(n+2)-a(n),\ a(0)=1,\ a(1)=4\}$$

Sequence: A010685
Score: 17.6850
Type of gen. func.: ogf

$$-\frac{4x+1}{(x-1)(x+1)}$$

Sequence: A010685
Score: 20.2145
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^2 + x + 2)}{(x - 1)\,(4\,x + 1)\,(x + 1)}$$

Sequence: A010685
Score: 20.2145
Type of gen. func.: revogf

$$\frac{-1 + (4\,x^2 + 16\,x + 1)^{1/2}}{2\,(4 + x)}$$

Sequence: A010685
Score: 9.93266
Type of gen. func.: ogf

$$-(17\,f(x) + 14)\,(f(x)\,x^2 - f(x) + 4\,x + 1)$$

Sequence: A010686
Score: 11.3294
Type of gen. func.: ogf

$$\{a(n + 2) - a(n),\ a(0) = 1,\ a(1) = 5\}$$

Sequence: A010686
Score: 17.6850
Type of gen. func.: ogf

$$-\frac{1 + 5\,x}{(x - 1)\,(x + 1)}$$

Sequence: A010686
Score: 20.2145
Type of gen. func.: lgdogf

$$-\frac{5\,x^2 + 2\,x + 5}{(x - 1)\,(1 + 5\,x)\,(x + 1)}$$

Sequence: A010686
Score: 20.2145
Type of gen. func.: revogf

$$\frac{-1 + (4 x^{2} + 20 x + 1)^{1/2}}{2 (5 + x)}$$

Sequence: A010686
Score: 9.93266
Type of gen. func.: ogf

$$-(26 f(x) + 23) (f(x) x^{2} - f(x) + 5 x + 1)$$

Sequence: A010687
Score: 10.6782
Type of gen. func.: ogf

$$-(37 f(x) + 34) (f(x) x^{2} - f(x) + 6 x + 1)$$

Sequence: A010687
Score: 12.1799
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A010687
Score: 19.0125
Type of gen. func.: ogf

$$- \frac{6 x + 1}{(x - 1) (x + 1)}$$

Sequence: A010687
Score: 21.7627
Type of gen. func.: lgdogf

^{2}

$$-\frac{2 (3 x + x + 3)}{(x - 1) (6 x + 1) (x + 1)}$$

Sequence: A010687
Score: 21.7627
Type of gen. func.: revogf

$$\frac{-1 + (4 x^2 + 24 x + 1)^{1/2}}{2 (6 + x)}$$

Sequence: A010688
Score: 10.663
Type of gen. func.: ogf

$$(2 f(x) + 47) (f(x) x^2 - f(x) + 7 x + 1)$$

Sequence: A010688
Score: 11.3294
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A010688
Score: 17.6850
Type of gen. func.: ogf

$$-\frac{7 x + 1}{(x - 1) (x + 1)}$$

Sequence: A010688
Score: 20.2145
Type of gen. func.: lgdogf

$$-\frac{7 x^2 + 2 x + 7}{(x - 1) (7 x + 1) (x + 1)}$$

Sequence: A010688
Score: 20.2145
Type of gen. func.: revogf

$$\frac{-1 + (4 x^2 + 28 x + 1)^{1/2}}{2 (7 + x)}$$

Sequence: A010689
Score: 14.5778
Type of gen. func.: ogf

$$(f(x) + 31) (f(x) x^2 - f(x) + 8 x + 1)$$

Sequence: A010689
Score: 15.4890
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A010689
Score: 24.1779
Type of gen. func.: ogf

$$- \frac{8 x + 1}{(x - 1) (x + 1)}$$

Sequence: A010689
Score: 27.7908
Type of gen. func.: revogf

$$\frac{-1 + (4 x^2 + 32 x + 1)^{1/2}}{2 (8 + x)}$$

Sequence: A010689
Score: 28.6082
Type of gen. func.: lgdogf

^{2}

$$-\frac{2 (4 x + x + 4)}{(x - 1) (8 x + 1) (x + 1)}$$

Sequence: A010690
Score: 10.663
Type of gen. func.: ogf

$$(2 f(x) + 79) (f(x) x^2 - f(x) + 9 x + 1)$$

Sequence: A010690
Score: 11.3294
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A010690
Score: 17.6850
Type of gen. func.: ogf

$$-\frac{9 x + 1}{(x - 1) (x + 1)}$$

Sequence: A010690
Score: 20.2145
Type of gen. func.: lgdogf

$$-\frac{9 x^2 + 2 x + 9}{(x - 1) (9 x + 1) (x + 1)}$$

Sequence: A010690
Score: 20.2145
Type of gen. func.: revogf

$$\frac{-1 + (4 x^2 + 36 x + 1)^{1/2}}{2 (9 + x)}$$

Sequence: A010691
Score: 10.8286
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A010691
Score: 16.7586
Type of gen. func.: ogf

$$- \frac{10 x + 1}{(x - 1) (x + 1)}$$

Sequence: A010691
Score: 19.0862
Type of gen. func.: revogf

$$\frac{-1 + (4 x^2 + 40 x + 1)^{1/2}}{2 (10 + x)}$$

Sequence: A010691
Score: 19.6315
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^2 + x + 5)}{(x - 1) (10 x + 1) (x + 1)}$$

Sequence: A010691
Score: 9.38483
Type of gen. func.: ogf

$$-(101 f(x) + 98) (f(x) x^2 - f(x) + 10 x + 1)$$

Sequence: A010692
Score: 103.170
Type of gen. func.: lgdogf

$$-\frac{}{x - 1}$$

Sequence: A010692
Score: 103.170
Type of gen. func.: revogf

$$\frac{x}{10 + x}$$

Sequence: A010692
Score: 15.8891
Type of gen. func.: ogf

$$\{a(n + 1) - a(n), a(0) = 10\}$$

Sequence: A010692
Score: 20.0505
Type of gen. func.: ogf

$$-f(x)\, x + f(x) - 10$$

Sequence: A010692
Score: 32.3892
Type of gen. func.: ogf

$$-\frac{10}{x - 1}$$

Sequence: A010693
Score: 14.2891
Type of gen. func.: ogf

$$(4\, f(x) + 1)\, (f(x)\, x^2 - f(x) + 3\, x + 2)$$

Sequence: A010693
Score: 14.9589
Type of gen. func.: ogf

{a(n + 2) - a(n), a(0) = 2, a(1) = 3}

Sequence: A010693
Score: 23.3505
Type of gen. func.: ogf

$$-\frac{3x+2}{(x-1)(x+1)}$$

Sequence: A010693
Score: 27.6138
Type of gen. func.: lgdogf

$$-\frac{3x^2+4x+3}{(x-1)(3x+2)(x+1)}$$

Sequence: A010693
Score: 33.5310
Type of gen. func.: revogf

$$\frac{-1+(x^2+3x+1)^{1/2}}{x+3}$$

Sequence: A010694
Score: 11.3294
Type of gen. func.: ogf

{a(n + 2) - a(n), a(0) = 2, a(1) = 4}

Sequence: A010694
Score: 16.113
Type of gen. func.: ogf

$$-f(x)x^2+f(x)-4x-2$$

Sequence: A010694
Score: 17.6850
Type of gen. func.: ogf

$$-\frac{2 (1 + 2 x)}{(x - 1) (x + 1)}$$

Sequence: A010694
Score: 21.4396
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + x + 1)}{(x - 1) (1 + 2 x) (x + 1)}$$

Sequence: A010694
Score: 25.2681
Type of gen. func.: revogf

$$\frac{-1 + (x^2 + 4 x + 1)^{1/2}}{4 + x}$$

Sequence: A010695
Score: 10.663
Type of gen. func.: ogf

$$(4 f(x) + 17) (f(x) x^2 - f(x) + 5 x + 2)$$

Sequence: A010695
Score: 11.3294
Type of gen. func.: ogf

{a(n + 2) - a(n), a(0) = 2, a(1) = 5}

Sequence: A010695
Score: 17.6850
Type of gen. func.: ogf

$$-\frac{5 x + 2}{}$$

$$(x - 1) (x + 1)$$

Sequence: A010695
Score: 20.2145
Type of gen. func.: lgdogf

$$-\frac{5 x^{2} + 4 x + 5}{(x - 1) (5 x + 2) (x + 1)}$$

Sequence: A010695
Score: 25.2681
Type of gen. func.: revogf

$$\frac{-1 + (x^{2} + 5 x + 1)^{1/2}}{5 + x}$$

Sequence: A010696
Score: 10.2125
Type of gen. func.: ogf

$$-(5 f(x) + 7) (f(x) x^{2} - f(x) + 6 x + 2)$$

Sequence: A010696
Score: 11.3294
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 2, a(1) = 6\}$$

Sequence: A010696
Score: 17.6850
Type of gen. func.: ogf

$$-\frac{2 (3 x + 1)}{(x - 1) (x + 1)}$$

Sequence: A010696

Score: 20.2145
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 2 x + 3}{(x - 1) (3 x + 1) (x + 1)}$$

Sequence: A010696
Score: 25.2681
Type of gen. func.: revogf

$$\frac{-1 + (x^2 + 6 x + 1)^{1/2}}{6 + x}$$

Sequence: A010697
Score: 10.663
Type of gen. func.: ogf

$$(4 f(x) + 41) (f(x) x^2 - f(x) + 7 x + 2)$$

Sequence: A010697
Score: 11.3294
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 2, a(1) = 7\}$$

Sequence: A010697
Score: 17.6850
Type of gen. func.: ogf

$$-\frac{7 x + 2}{(x - 1) (x + 1)}$$

Sequence: A010697
Score: 20.2145
Type of gen. func.: lgdogf

$$-\frac{7 x^2 + 4 x + 7}{}$$

$$(x - 1) (7 x + 2) (x + 1)$$

Sequence: A010697
Score: 25.2681
Type of gen. func.: revogf

$$\frac{-1 + (x^2 + 7 x + 1)^{1/2}}{7 + x}$$

Sequence: A010698
Score: 11.3294
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 2, a(1) = 8\}$$

Sequence: A010698
Score: 16.113
Type of gen. func.: ogf

$$f(x) x^2 - f(x) + 8 x + 2$$

Sequence: A010698
Score: 17.6850
Type of gen. func.: ogf

$$- \frac{2 (4 x + 1)}{(x - 1) (x + 1)}$$

Sequence: A010698
Score: 20.2145
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^2 + x + 2)}{(x - 1) (4 x + 1) (x + 1)}$$

Sequence: A010698

Score: 25.2681
Type of gen. func.: revogf

$$\frac{-1 + (x^2 + 8 x + 1)^{1/2}}{8 + x}$$

Sequence: A010699
Score: 10.663
Type of gen. func.: ogf

$$(4 f(x) + 73) (f(x) x^2 - f(x) + 9 x + 2)$$

Sequence: A010699
Score: 11.3294
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 2, a(1) = 9\}$$

Sequence: A010699
Score: 17.6850
Type of gen. func.: ogf

$$- \frac{9 x + 2}{(x - 1) (x + 1)}$$

Sequence: A010699
Score: 20.2145
Type of gen. func.: lgdogf

$$- \frac{9 x^2 + 4 x + 9}{(x - 1) (9 x + 2) (x + 1)}$$

Sequence: A010699
Score: 25.2681
Type of gen. func.: revogf

$$\frac{-1 + (x^2 + 9 x + 1)^{1/2}}{}$$

$$9 + x$$

Sequence: A010700
Score: 10.2009
Type of gen. func.: ogf

$$(f(x) + 23) (f(x) x^2 - f(x) + 10 x + 2)$$

Sequence: A010700
Score: 10.8286
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 2, a(1) = 10\}$$

Sequence: A010700
Score: 16.7586
Type of gen. func.: ogf

$$- \frac{2 (1 + 5 x)}{(x - 1) (x + 1)}$$

Sequence: A010700
Score: 19.6315
Type of gen. func.: revegf]

$$-\ln(12) + \ln(10 + x + (x^2 + 20 x + 4)^{1/2})$$

Sequence: A010700
Score: 20.2089
Type of gen. func.: lgdogf

$$- \frac{5 x^2 + 2 x + 5}{(x - 1) (1 + 5 x) (x + 1)}$$

Sequence: A010701
Score: 101.072
Type of gen. func.: revogf

```
                                          x
                                        -----
                                        x + 3


--------------------------------------------------------------------------------

Sequence:  A010701
Score: 13.9439
Type of gen. func.: ogf

                             {a(n + 1) - a(n), a(0) = 3}


--------------------------------------------------------------------------------

Sequence:  A010701
Score: 17.685
Type of gen. func.: ogf

                                  -f(x) x + f(x) - 3


--------------------------------------------------------------------------------

Sequence:  A010701
Score: 29.0034
Type of gen. func.: ogf

                                           3
                                       - -----
                                         x - 1


--------------------------------------------------------------------------------

Sequence:  A010701
Score: 78.6118
Type of gen. func.: lgdogf

                                           1
                                       - -----
                                         x - 1


--------------------------------------------------------------------------------

Sequence:  A010702
Score: 11.3294
Type of gen. func.: ogf

                        {a(n + 2) - a(n), a(0) = 3, a(1) = 4}


--------------------------------------------------------------------------------

Sequence:  A010702
Score: 17.6850
```

Type of gen. func.: ogf

$$-\frac{4x+3}{(x-1)(x+1)}$$

Sequence: A010702
Score: 19.1218
Type of gen. func.: lgdogf

$$-\frac{2(2x^2+3x+2)}{(x-1)(4x+3)(x+1)}$$

Sequence: A010702
Score: 20.2145
Type of gen. func.: revogf

$$\frac{-3+(4x^2+16x+9)^{1/2}}{2(4+x)}$$

Sequence: A010702
Score: 9.93266
Type of gen. func.: ogf

$$-(75f(x)+31)(f(x)x^2-f(x)+4x+3)$$

Sequence: A010703
Score: 10.8222
Type of gen. func.: ogf

$$(6f(x)+7)(f(x)x^2-f(x)+5x+3)$$

Sequence: A010703
Score: 11.3294
Type of gen. func.: ogf

$$\{a(n+2)-a(n), a(0)=3, a(1)=5\}$$

Sequence: A010703
Score: 17.6850
Type of gen. func.: ogf

$$-\frac{5x+3}{(x-1)(x+1)}$$

Sequence: A010703
Score: 18.6186
Type of gen. func.: revogf

$$\frac{-3+((2x+9)(1+2x))^{1/2}}{2(5+x)}$$

Sequence: A010703
Score: 20.2145
Type of gen. func.: lgdogf

$$-\frac{5x^2+6x+5}{(x-1)(5x+3)(x+1)}$$

Sequence: A010704
Score: 10.0706
Type of gen. func.: ogf

$$-(5 f(x)+33)(f(x) x^2 - f(x)+6x+3)$$

Sequence: A010704
Score: 11.3294
Type of gen. func.: ogf

$$\{a(n+2)-a(n), a(0)=3, a(1)=6\}$$

Sequence: A010704
Score: 17.6850
Type of gen. func.: ogf

$$-\frac{3(1+2x)}{(x-1)(x+1)}$$

Sequence: A010704
Score: 20.2145
Type of gen. func.: revogf

$$\frac{-3+(4x^2+24x+9)^{1/2}}{2(6+x)}$$

Sequence: A010704
Score: 21.4396
Type of gen. func.: lgdogf

$$-\frac{2(x^2+x+1)}{(x-1)(1+2x)(x+1)}$$

Sequence: A010705
Score: 10.663
Type of gen. func.: ogf

$$(6f(x)+31)(f(x)x^2-f(x)+7x+3)$$

Sequence: A010705
Score: 11.3294
Type of gen. func.: ogf

$$\{a(n+2)-a(n), a(0)=3, a(1)=7\}$$

Sequence: A010705
Score: 17.6850
Type of gen. func.: ogf

$$-\frac{7x+3}{(x-1)(x+1)}$$

Sequence: A010705
Score: 20.2145
Type of gen. func.: lgdogf

$$-\frac{7 x^2 + 6 x + 7}{(x - 1) (7 x + 3) (x + 1)}$$

Sequence: A010705
Score: 20.2145
Type of gen. func.: revogf

$$\frac{-3 + (4 x^2 + 28 x + 9)^{1/2}}{2 (7 + x)}$$

Sequence: A010706
Score: 10.663
Type of gen. func.: ogf

$$(3 f(x) + 23) (f(x) x^2 - f(x) + 8 x + 3)$$

Sequence: A010706
Score: 11.3294
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 3, a(1) = 8\}$$

Sequence: A010706
Score: 17.6850
Type of gen. func.: ogf

$$-\frac{8 x + 3}{(x - 1) (x + 1)}$$

Sequence: A010706
Score: 19.1218
Type of gen. func.: lgdogf

$$-\frac{2\,(4\,x^2 + 3\,x + 4)}{(x - 1)\,(8\,x + 3)\,(x + 1)}$$

Sequence: A010706
Score: 20.2145
Type of gen. func.: revogf

$$\frac{-3 + (4\,x^2 + 32\,x + 9)^{1/2}}{2\,(8 + x)}$$

Sequence: A010707
Score: 11.3294
Type of gen. func.: ogf

$$\{a(n + 2) - a(n),\ a(0) = 3,\ a(1) = 9\}$$

Sequence: A010707
Score: 16.113
Type of gen. func.: ogf

$$f(x)\,x^2 - f(x) + 9\,x + 3$$

Sequence: A010707
Score: 17.6850
Type of gen. func.: ogf

$$-\frac{3\,(3\,x + 1)}{(x - 1)\,(x + 1)}$$

Sequence: A010707
Score: 20.2145
Type of gen. func.: lgdogf

$$-\frac{3\,x^2 + 2\,x + 3}{(x - 1)\,(3\,x + 1)\,(x + 1)}$$

Sequence: A010707
Score: 20.2145
Type of gen. func.: revogf

$$\frac{-3 + (4 x^2 + 36 x + 9)^{1/2}}{2 (9 + x)}$$

Sequence: A010708
Score: 10.2009
Type of gen. func.: ogf

$$(3 f(x) + 41) (f(x) x^2 - f(x) + 10 x + 3)$$

Sequence: A010708
Score: 10.8286
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 3, a(1) = 10\}$$

Sequence: A010708
Score: 16.7586
Type of gen. func.: ogf

$$- \frac{10 x + 3}{(x - 1) (x + 1)}$$

Sequence: A010708
Score: 18.5703
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^2 + 3 x + 5)}{(x - 1) (10 x + 3) (x + 1)}$$

Sequence: A010708
Score: 19.0862
Type of gen. func.: revogf

$$\frac{-3 + (4 x^2 + 40 x + 9)^{1/2}}{2 (10 + x)}$$

Sequence: A010709
Score: 121.585
Type of gen. func.: lgdogf

$$- \frac{1}{x - 1}$$

Sequence: A010709
Score: 138.954
Type of gen. func.: revogf

$$\frac{x}{4 + x}$$

Sequence: A010709
Score: 19.0633
Type of gen. func.: ogf

$$\{a(n + 1) - a(n), a(0) = 4\}$$

Sequence: A010709
Score: 24.1779
Type of gen. func.: ogf

$$-f(x) x + f(x) - 4$$

Sequence: A010709
Score: 39.6517
Type of gen. func.: ogf

$$- \frac{4}{x - 1}$$

Sequence: A010710

Score: 10.8222
Type of gen. func.: ogf

$$(8 f(x) - 7) (f(x) x^2 - f(x) + 5 x + 4)$$

Sequence: A010710
Score: 11.3294
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 4, a(1) = 5\}$$

Sequence: A010710
Score: 17.6850
Type of gen. func.: ogf

$$- \frac{5 x + 4}{(x - 1) (x + 1)}$$

Sequence: A010710
Score: 20.2145
Type of gen. func.: lgdogf

$$- \frac{5 x^2 + 8 x + 5}{(x - 1) (5 x + 4) (x + 1)}$$

Sequence: A010710
Score: 23.5835
Type of gen. func.: revogf

$$\frac{-2 + ((4 + x) (x + 1))^{1/2}}{5 + x}$$

Sequence: A010711
Score: 10.8222
Type of gen. func.: ogf

$$(2 f(x) + 1) (f(x) x^2 - f(x) + 6 x + 4)$$

Sequence: A010711
Score: 11.3294
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 4, a(1) = 6\}$$

Sequence: A010711
Score: 17.6850
Type of gen. func.: ogf

$$- \frac{2 (3 x + 2)}{(x - 1) (x + 1)}$$

Sequence: A010711
Score: 20.2145
Type of gen. func.: lgdogf

$$- \frac{3 x^2 + 4 x + 3}{(x - 1) (3 x + 2) (x + 1)}$$

Sequence: A010711
Score: 25.2681
Type of gen. func.: revogf

$$\frac{-2 + (x^2 + 6 x + 4)^{1/2}}{6 + x}$$

Sequence: A010712
Score: 10.663
Type of gen. func.: ogf

$$(8 f(x) + 17) (f(x) x^2 - f(x) + 7 x + 4)$$

Sequence: A010712
Score: 11.3294
Type of gen. func.: ogf

{a(n + 2) - a(n), a(0) = 4, a(1) = 7}

Sequence: A010712
Score: 17.6850
Type of gen. func.: ogf

$$-\frac{7x+4}{(x-1)(x+1)}$$

Sequence: A010712
Score: 20.2145
Type of gen. func.: lgdogf

$$-\frac{7x^2+8x+7}{(x-1)(7x+4)(x+1)}$$

Sequence: A010712
Score: 25.2681
Type of gen. func.: revogf

$$\frac{-2+(x^2+7x+4)^{1/2}}{7+x}$$

Sequence: A010713
Score: 11.3294
Type of gen. func.: ogf

{a(n + 2) - a(n), a(0) = 4, a(1) = 8}

Sequence: A010713
Score: 16.113
Type of gen. func.: ogf

$$f(x)x^2 - f(x) + 8x + 4$$

Sequence: A010713
Score: 17.6850
Type of gen. func.: ogf

$$-\frac{4\,(1+2x)}{(x-1)\,(x+1)}$$

Sequence: A010713
Score: 21.4396
Type of gen. func.: lgdogf

$$-\frac{2\,(x^2+x+1)}{(x-1)\,(1+2x)\,(x+1)}$$

Sequence: A010713
Score: 25.2681
Type of gen. func.: revogf

$$\frac{-2+(x^2+8x+4)^{1/2}}{8+x}$$

Sequence: A010714
Score: 10.663
Type of gen. func.: ogf

$$(8\,f(x)+49)\,(f(x)\,x^2-f(x)+9x+4)$$

Sequence: A010714
Score: 11.3294
Type of gen. func.: ogf

$$\{a(n+2)-a(n),\ a(0)=4,\ a(1)=9\}$$

Sequence: A010714
Score: 17.6850
Type of gen. func.: ogf

$$9x+4$$

$$- \frac{}{(x - 1) (x + 1)}$$

Sequence: A010714
Score: 20.2145
Type of gen. func.: lgdogf

$$- \frac{9 x^2 + 8 x + 9}{(x - 1) (9 x + 4) (x + 1)}$$

Sequence: A010714
Score: 25.2681
Type of gen. func.: revogf

$$\frac{-2 + (x^2 + 9 x + 4)^{1/2}}{9 + x}$$

Sequence: A010715
Score: 10.8286
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 4, a(1) = 10\}$$

Sequence: A010715
Score: 16.7586
Type of gen. func.: ogf

$$- \frac{2 (5 x + 2)}{(x - 1) (x + 1)}$$

Sequence: A010715
Score: 19.0862
Type of gen. func.: revegf]

$$-\ln(14) + \ln(10 + x + (x^2 + 20 x + 16)^{1/2})$$

Sequence: A010715
Score: 20.2089
Type of gen. func.: lgdogf

$$-\frac{5 x^2 + 4 x + 5}{(x - 1) (5 x + 2) (x + 1)}$$

Sequence: A010715
Score: 9.38483
Type of gen. func.: ogf

$$-(29 f(x) + 509) (f(x) x^2 - f(x) + 10 x + 4)$$

Sequence: A010716
Score: 101.072
Type of gen. func.: revogf

$$\frac{x}{5 + x}$$

Sequence: A010716
Score: 13.9439
Type of gen. func.: ogf

$$\{a(n + 1) - a(n), a(0) = 5\}$$

Sequence: A010716
Score: 24.1779
Type of gen. func.: ogf

$$-f(x) x + f(x) - 5$$

Sequence: A010716
Score: 29.0034
Type of gen. func.: ogf

$$-\frac{5}{x - 1}$$

Sequence: A010716
Score: 78.6118
Type of gen. func.: lgdogf

$$-\frac{1}{x-1}$$

Sequence: A010717
Score: 10.8222
Type of gen. func.: ogf

$$(5 f(x) - 7) (f(x) x^2 - f(x) + 6 x + 5)$$

Sequence: A010717
Score: 11.3294
Type of gen. func.: ogf

{a(n + 2) - a(n), a(0) = 5, a(1) = 6}

Sequence: A010717
Score: 17.6850
Type of gen. func.: ogf

$$-\frac{6 x + 5}{(x - 1) (x + 1)}$$

Sequence: A010717
Score: 19.1218
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^2 + 5 x + 3)}{(6 x + 5) (x - 1) (x + 1)}$$

Sequence: A010717
Score: 19.6530
Type of gen. func.: revogf

```
                 2             1/2
  -5 + (4 x  + 24 x + 25)
  -------------------------
         2 (6 + x)
```

Sequence: A010718
Score: 10.663
Type of gen. func.: ogf

```
                                   2
   (10 f(x) - 1) (f(x) x  - f(x) + 7 x + 5)
```

Sequence: A010718
Score: 11.3294
Type of gen. func.: ogf

```
   {a(n + 2) - a(n), a(0) = 5, a(1) = 7}
```

Sequence: A010718
Score: 17.6850
Type of gen. func.: ogf

```
          7 x + 5
    - ---------------
      (x - 1) (x + 1)
```

Sequence: A010718
Score: 19.6530
Type of gen. func.: lgdogf

```
              2
           7 x  + 10 x + 7
    - -------------------------
       (7 x + 5) (x - 1) (x + 1)
```

Sequence: A010718
Score: 19.6530
Type of gen. func.: revogf

```
                 2             1/2
  -5 + (4 x  + 28 x + 25)
  -------------------------
         2 (7 + x)
```

Sequence: A010719
Score: 10.8222
Type of gen. func.: ogf

$$(5 f(x) + 7) (f(x) x^2 - f(x) + 8 x + 5)$$

Sequence: A010719
Score: 11.3294
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 5, a(1) = 8\}$$

Sequence: A010719
Score: 17.6850
Type of gen. func.: ogf

$$-\frac{8 x + 5}{(x - 1) (x + 1)}$$

Sequence: A010719
Score: 19.1218
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^2 + 5 x + 4)}{(8 x + 5) (x - 1) (x + 1)}$$

Sequence: A010719
Score: 19.6530
Type of gen. func.: revogf

$$\frac{-5 + (4 x^2 + 32 x + 25)^{1/2}}{2 (8 + x)}$$

Sequence: A010720
Score: 10.5085
Type of gen. func.: ogf

$$(10 f(x) + 31) (f(x) x^2 - f(x) + 9 x + 5)$$

Sequence: A010720
Score: 11.3294
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 5, a(1) = 9\}$$

Sequence: A010720
Score: 17.6850
Type of gen. func.: ogf

$$- \frac{9 x + 5}{(x - 1) (x + 1)}$$

Sequence: A010720
Score: 19.6530
Type of gen. func.: lgdogf

$$- \frac{9 x^2 + 10 x + 9}{(9 x + 5) (x - 1) (x + 1)}$$

Sequence: A010720
Score: 19.6530
Type of gen. func.: revogf

$$\frac{-5 + (4 x^2 + 36 x + 25)^{1/2}}{2 (9 + x)}$$

Sequence: A010721
Score: 10.8286
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 5, a(1) = 10\}$$

Sequence: A010721

Score: 16.7586
Type of gen. func.: ogf

$$-\frac{5\ (1 + 2\ x)}{(x - 1)\ (x + 1)}$$

Sequence: A010721
Score: 18.5703
Type of gen. func.: revogf

$$\frac{-5 + (4\ x^{2} + 40\ x + 25)^{1/2}}{2\ (10 + x)}$$

Sequence: A010721
Score: 21.4720
Type of gen. func.: lgdogf

$$-\frac{2\ (x^{2} + x + 1)}{(x - 1)\ (1 + 2\ x)\ (x + 1)}$$

Sequence: A010721
Score: 9.64195
Type of gen. func.: ogf

$$-(f(x) + 11)\ (f(x)\ x^{2} - f(x) + 10\ x + 5)$$

Sequence: A010722
Score: 101.072
Type of gen. func.: revogf

$$\frac{x}{6 + x}$$

Sequence: A010722
Score: 13.9439
Type of gen. func.: ogf

$$\{a(n + 1) - a(n),\ a(0) = 6\}$$

Sequence: A010722
Score: 17.685
Type of gen. func.: ogf

$$-f(x) x + f(x) - 6$$

Sequence: A010722
Score: 29.0034
Type of gen. func.: ogf

$$-\frac{6}{x - 1}$$

Sequence: A010722
Score: 78.6118
Type of gen. func.: lgdogf

$$-\frac{1}{x - 1}$$

Sequence: A010723
Score: 10.5085
Type of gen. func.: ogf

$$(12 f(x) - 23) (f(x) x^2 - f(x) + 7 x + 6)$$

Sequence: A010723
Score: 11.3294
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 6, a(1) = 7\}$$

Sequence: A010723
Score: 17.6850
Type of gen. func.: ogf

$$7 x + 6$$

```
- ---------------
  (x - 1) (x + 1)
```

Sequence: A010723
Score: 19.6530
Type of gen. func.: lgdogf

$$-\frac{7 x^2 + 12 x + 7}{(x - 1) (7 x + 6) (x + 1)}$$

Sequence: A010723
Score: 25.2681
Type of gen. func.: revogf

$$\frac{-3 + (x^2 + 7 x + 9)^{1/2}}{7 + x}$$

Sequence: A010724
Score: 11.3294
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 6, a(1) = 8\}$$

Sequence: A010724
Score: 16.113
Type of gen. func.: ogf

$$f(x) x^2 - f(x) + 8 x + 6$$

Sequence: A010724
Score: 17.6850
Type of gen. func.: ogf

$$-\frac{2 (4 x + 3)}{(x - 1) (x + 1)}$$

Sequence: A010724
Score: 19.1218
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^2+3\,x+2)}{(x-1)\,(4\,x+3)\,(x+1)}$$

Sequence: A010724
Score: 25.2681
Type of gen. func.: revogf

$$\frac{-3+(x^2+8\,x+9)^{1/2}}{8+x}$$

Sequence: A010725
Score: 11.3294
Type of gen. func.: ogf

$$\{a(n+2)-a(n),\ a(0)=6,\ a(1)=9\}$$

Sequence: A010725
Score: 16.113
Type of gen. func.: ogf

$$f(x)\,x^2-f(x)+9\,x+6$$

Sequence: A010725
Score: 17.6850
Type of gen. func.: ogf

$$-\frac{3\,(3\,x+2)}{(x-1)\,(x+1)}$$

Sequence: A010725
Score: 20.2145
Type of gen. func.: lgdogf

$$3\,x^2+4\,x+3$$

$$-\frac{}{(x - 1) (3 x + 2) (x + 1)}$$

Sequence: A010725
Score: 25.2681
Type of gen. func.: revogf

$$\frac{-3 + (x^{2} + 9 x + 9)^{1/2}}{9 + x}$$

Sequence: A010726
Score: 10.3509
Type of gen. func.: ogf

$$(3 f(x) + 7) (f(x) x^{2} - f(x) + 10 x + 6)$$

Sequence: A010726
Score: 10.8286
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 6, a(1) = 10\}$$

Sequence: A010726
Score: 16.7586
Type of gen. func.: ogf

$$-\frac{2 (5 x + 3)}{(x - 1) (x + 1)}$$

Sequence: A010726
Score: 18.5703
Type of gen. func.: revegf]

$$-\ln(16) + \ln(10 + x + ((x + 18) (x + 2))^{1/2})$$

Sequence: A010726
Score: 20.2089

Type of gen. func.: lgdogf

$$-\frac{5x^2+6x+5}{(x-1)(5x+3)(x+1)}$$

Sequence: A010727
Score: 101.072
Type of gen. func.: revogf

$$\frac{x}{7+x}$$

Sequence: A010727
Score: 13.9439
Type of gen. func.: ogf

$$\{a(n+1)-a(n),\ a(0)=7\}$$

Sequence: A010727
Score: 17.685
Type of gen. func.: ogf

$$-f(x)\,x+f(x)-7$$

Sequence: A010727
Score: 29.0034
Type of gen. func.: ogf

$$-\frac{7}{x-1}$$

Sequence: A010727
Score: 78.6118
Type of gen. func.: lgdogf

$$-\frac{1}{x-1}$$

Sequence: A010728
Score: 10.663
Type of gen. func.: ogf

$$(7 f(x) - 17) (f(x) x^2 - f(x) + 8 x + 7)$$

Sequence: A010728
Score: 11.3294
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 7, a(1) = 8\}$$

Sequence: A010728
Score: 17.6850
Type of gen. func.: ogf

$$- \frac{8 x + 7}{(x - 1) (x + 1)}$$

Sequence: A010728
Score: 19.1218
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^2 + 7 x + 4)}{(x - 1) (8 x + 7) (x + 1)}$$

Sequence: A010728
Score: 19.6530
Type of gen. func.: revogf

$$\frac{-7 + (4 x^2 + 32 x + 49)^{1/2}}{2 (8 + x)}$$

Sequence: A010729
Score: 10.5085
Type of gen. func.: ogf

$$(14 f(x) - 17) (f(x) x^2 - f(x) + 9 x + 7)$$

Sequence: A010729
Score: 11.3294
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 7, a(1) = 9\}$$

Sequence: A010729
Score: 17.6850
Type of gen. func.: ogf

$$-\frac{9 x + 7}{(x - 1) (x + 1)}$$

Sequence: A010729
Score: 19.6530
Type of gen. func.: lgdogf

$$-\frac{9 x^2 + 14 x + 9}{(x - 1) (9 x + 7) (x + 1)}$$

Sequence: A010729
Score: 19.6530
Type of gen. func.: revogf

$$\frac{-7 + (4 x^2 + 36 x + 49)^{1/2}}{2 (9 + x)}$$

Sequence: A010730
Score: 10.3509
Type of gen. func.: ogf

$$(7 f(x) + 1) (f(x) x^2 - f(x) + 10 x + 7)$$

Sequence: A010730
Score: 10.8286
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 7, a(1) = 10\}$$

Sequence: A010730
Score: 16.7586
Type of gen. func.: ogf

$$-\frac{10 x + 7}{(x - 1) (x + 1)}$$

Sequence: A010730
Score: 18.5703
Type of gen. func.: lgdogf

$$-\frac{2 (5 x^2 + 7 x + 5)}{(x - 1) (10 x + 7) (x + 1)}$$

Sequence: A010730
Score: 18.5703
Type of gen. func.: revogf

$$\frac{-7 + (4 x^2 + 40 x + 49)^{1/2}}{2 (10 + x)}$$

Sequence: A010731
Score: 101.072
Type of gen. func.: revogf

$$\frac{x}{8 + x}$$

Sequence: A010731
Score: 13.9439
Type of gen. func.: ogf

$$\{a(n + 1) - a(n), a(0) = 8\}$$

Sequence: A010731
Score: 17.685
Type of gen. func.: ogf

$$-f(x) x + f(x) - 8$$

Sequence: A010731
Score: 29.0034
Type of gen. func.: ogf

$$-\frac{8}{x - 1}$$

Sequence: A010731
Score: 78.6118
Type of gen. func.: lgdogf

$$-\frac{1}{x - 1}$$

Sequence: A010732
Score: 10.5085
Type of gen. func.: ogf

$$(16 f(x) - 47) (f(x) x^2 - f(x) + 9 x + 8)$$

Sequence: A010732
Score: 11.3294
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 8, a(1) = 9\}$$

Sequence: A010732
Score: 17.6850
Type of gen. func.: ogf

$$9 x + 8$$

$$-\frac{}{(x - 1) (x + 1)}$$

Sequence: A010732
Score: 19.6530
Type of gen. func.: lgdogf

$$-\frac{9 x^2 + 16 x + 9}{(x - 1) (9 x + 8) (x + 1)}$$

Sequence: A010732
Score: 24.3968
Type of gen. func.: revogf

$$\frac{-4 + (x^2 + 9 x + 16)^{1/2}}{9 + x}$$

Sequence: A010733
Score: 10.3509
Type of gen. func.: ogf

$$(4 f(x) - 7) (f(x) x^2 - f(x) + 10 x + 8)$$

Sequence: A010733
Score: 10.8286
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 8, a(1) = 10\}$$

Sequence: A010733
Score: 16.7586
Type of gen. func.: ogf

$$-\frac{2 (5 x + 4)}{(x - 1) (x + 1)}$$

Sequence: A010733
Score: 18.5703
Type of gen. func.: revegf]

$$-\ln(18) + \ln(10 + x + ((x + 16) (4 + x))^{1/2})$$

Sequence: A010733
Score: 20.2089
Type of gen. func.: lgdogf

$$-\frac{5 x^2 + 8 x + 5}{(x - 1) (5 x + 4) (x + 1)}$$

Sequence: A010734
Score: 101.072
Type of gen. func.: revogf

$$\frac{x}{9 + x}$$

Sequence: A010734
Score: 13.9439
Type of gen. func.: ogf

$$\{a(n + 1) - a(n), a(0) = 9\}$$

Sequence: A010734
Score: 17.685
Type of gen. func.: ogf

$$-f(x) x + f(x) - 9$$

Sequence: A010734
Score: 29.0034
Type of gen. func.: ogf

$$-\frac{9}{x - 1}$$

Sequence: A010734
Score: 78.6118
Type of gen. func.: lgdogf

$$-\frac{1}{x-1}$$

Sequence: A010735
Score: 10.2009
Type of gen. func.: ogf

$$(9 f(x) - 31) (f(x) x^2 - f(x) + 10 x + 9)$$

Sequence: A010735
Score: 10.8286
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 9, a(1) = 10\}$$

Sequence: A010735
Score: 16.7586
Type of gen. func.: ogf

$$-\frac{10 x + 9}{(x - 1) (x + 1)}$$

Sequence: A010735
Score: 18.5703
Type of gen. func.: lgdogf

$$-\frac{2 (5 x^2 + 9 x + 5)}{(x - 1) (10 x + 9) (x + 1)}$$

Sequence: A010735
Score: 18.5703
Type of gen. func.: revogf

$$\frac{-9 + (4 x^2 + 40 x + 81)^{1/2}}{2 (10 + x)}$$

Sequence: A010736
Score: 12.0422
Type of gen. func.: lgdogf

$$- \frac{3 (x - 1 + (x^2 - 6 x + 1)^{1/2})}{2 (x^2 - 6 x + 1)^{1/2} x}$$

Sequence: A010736
Score: 6.21462
Type of gen. func.: ogf

$$-8 f(x)^2 x^3 + f(x) x^3 - 3 f(x) x^2 - 3 f(x) x + f(x) - 1$$

Sequence: A010737
Score: 10.1144
Type of gen. func.: lgdogf

$$- \frac{10 x^4 - 8 x^3 - 15 x^2 + 6 x + 6}{(x - 1) (5 x^2 - 2 x - 4) (2 x^2 - 1)}$$

Sequence: A010737
Score: 5.17977
Type of gen. func.: ogf

$$-(2 f(x) - 17) (2 f(x) x^3 - 2 f(x) x^2 - f(x) x + 5 x^2 + f(x) - 2 x - 4)$$

Sequence: A010737
Score: 5.36477
Type of gen. func.: ogf

$\{a(n + 3) - a(n + 2) - 2 a(n + 1) + 2 a(n), a(0) = 4, a(1) = 6, a(2) = 9\}$

Sequence: A010737
Score: 9.85007
Type of gen. func.: ogf

$$-\frac{5 x^2 - 2 x - 4}{(x - 1) (2 x^2 - 1)}$$

Sequence: A010761
Score: 12.5088
Type of gen. func.: lgdogf

$$-\frac{6 x^5 + 14 x^4 + 17 x^3 + 13 x^2 + 8 x + 2}{(x - 1) (x + 1) (x^2 + x + 1) (2 x^2 + 2 x + 1)}$$

Sequence: A010761
Score: 13.0579
Type of gen. func.: ogf

$$\frac{x (2 x^2 + 2 x + 1)}{(x + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A010762
Score: 5.56225
Type of gen. func.: ogf

$$-\frac{x^2 (x^7 + x^6 + x^5 + 2 x^4 + 3 x^3 + x^2 + 2 x + 1)}{(x^2 - x + 1) (x + 1)^2 (x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A010763
Score: 4.66925
Type of gen. func.: ogf

$$4 f(x)^2 x^4 - 9 f(x)^2 x^3 + 6 f(x)^2 x^2 - 4 f(x) x^3 - f(x)^2 x + f(x) x^2 + 4 f(x) x$$

$$+ x^2 - f(x) + 2 x$$

Sequence: A010764
Score: 7.99980
Type of gen. func.: lgdogf

$$\frac{4 x^{10} + 4 x^9 - 4 x^8 - 13 x^7 - 11 x^6 + 7 x^5 + 13 x^4 + 8 x^3 + 2 x^2 + x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (2 x^7 - 2 x^5 - x^4 + x^3 + x^2 - x - 1)}$$

Sequence: A010764
Score: 8.67903
Type of gen. func.: ogf

$$- \frac{x^3 (2 x^7 - 2 x^5 - x^4 + x^3 + x^2 - x - 1)}{(x + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A010785
Score: 7.97304
Type of gen. func.: ogf

$$\frac{x (9 x^8 + 8 x^7 + 7 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1)}{(x - 1) (10 x^9 - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A010790
Score: 6.66984
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A010791
Score: 4.93655
Type of gen. func.: ogf

$$\{(n^2 + 6 n + 8) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A010792
Score: 7.09763
Type of gen. func.: ogf

$$\{(n^2 + 7 n + 10) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A010793
Score: 4.40751
Type of gen. func.: ogf

$$\{(n^2 + 8 n + 12) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 5\}$$

Sequence: A010794
Score: 6.40268
Type of gen. func.: ogf

$$\{(n^2 + 9 n + 14) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 6\}$$

Sequence: A010795
Score: 4.63182
Type of gen. func.: ogf

$$\{(n^2 + 10 n + 16) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 7\}$$

Sequence: A010796
Score: 6.20260
Type of gen. func.: ogf

$$\{(n^2 + 7 n + 12) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 6\}$$

Sequence: A010797
Score: 3.93444
Type of gen. func.: ogf

3 2

{(-n - 12 n - 47 n - 60) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 24}

Sequence: A010815
Score: 24.1162
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{1}{x - 1}$$

Sequence: A010816
Score: 22.9248
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{3}{x - 1}$$

Sequence: A010817
Score: 24.9368
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{9}{x - 1}$$

Sequence: A010818
Score: 26.3538
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{10}{x - 1}$$

Sequence: A010819
Score: 28.0922
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{11}{x - 1}$$

Sequence: A010820
Score: 23.2652
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{13}{x - 1}$$

Sequence: A010821
Score: 22.3281
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{14}{x - 1}$$

Sequence: A010822
Score: 23.3775
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{15}{x - 1}$$

Sequence: A010823
Score: 22.6645
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{17}{x - 1}$$

Sequence: A010824
Score: 22.1720
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{18}{x - 1}$$

Sequence: A010825
Score: 21.9300
Type of gen. func.: ogf_with_Euler_transform]

$$19$$

```
-----
x - 1
```

Sequence: A010826
Score: 22.0568
Type of gen. func.: ogf_with_Euler_transform]

```
 20
-----
x - 1
```

Sequence: A010827
Score: 21.9295
Type of gen. func.: ogf_with_Euler_transform]

```
 21
-----
x - 1
```

Sequence: A010828
Score: 22.1802
Type of gen. func.: ogf_with_Euler_transform]

```
 22
-----
x - 1
```

Sequence: A010829
Score: 21.6655
Type of gen. func.: ogf_with_Euler_transform]

```
 23
-----
x - 1
```

Sequence: A010830
Score: 27.0421
Type of gen. func.: ogf_with_Euler_transform]

```
 25
-----
x - 1
```

Sequence: A010831
Score: 20.5351
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{26}{x - 1}$$

Sequence: A010832
Score: 28.1955
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{27}{x - 1}$$

Sequence: A010833
Score: 21.1043
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{28}{x - 1}$$

Sequence: A010834
Score: 27.8879
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{29}{x - 1}$$

Sequence: A010835
Score: 35.3965
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{30}{x - 1}$$

Sequence: A010836
Score: 27.4432
Type of gen. func.: ogf_with_Euler_transform]

```
                                   31
                                  -----
                                  x - 1



--------------------------------------------------------------------------------

Sequence:  A010837
Score: 21.2806
Type of gen. func.: ogf_with_Euler_transform]


                                   32
                                  -----
                                  x - 1



--------------------------------------------------------------------------------

Sequence:  A010838
Score: 21.2005
Type of gen. func.: ogf_with_Euler_transform]


                                   44
                                  -----
                                  x - 1



--------------------------------------------------------------------------------

Sequence:  A010839
Score: 21.0641
Type of gen. func.: ogf_with_Euler_transform]


                                   48
                                  -----
                                  x - 1



--------------------------------------------------------------------------------

Sequence:  A010840
Score: 20.3940
Type of gen. func.: ogf_with_Euler_transform]


                                   40
                                  -----
                                  x - 1



--------------------------------------------------------------------------------

Sequence:  A010841
Score: 25.6942
Type of gen. func.: ogf_with_Euler_transform]


                                   64
                                  -----
                                  x - 1
```

```
------------------------------------------------------------------------------

Sequence:  A010842
Score: 32.0719
Type of gen. func.: lgdegf]


                            -3 + 2 x + (1 - x) f(x)



------------------------------------------------------------------------------

Sequence:  A010842
Score: 5.24332
Type of gen. func.: ogf


{(-2 n - 4) a(n + 1) + (n + 5) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 3,

    a(2) = 10}



------------------------------------------------------------------------------

Sequence:  A010843
Score: 37.6720
Type of gen. func.: lgdegf]


                             2 - 3 x + (1 - x) f(x)



------------------------------------------------------------------------------

Sequence:  A010843
Score: 4.78375
Type of gen. func.: ogf


  {(-3 n - 6) a(n + 1) - a(n + 2) n + a(n + 3), a(0) = 1, a(1) = -2, a(2) = 5}



------------------------------------------------------------------------------

Sequence:  A010844
Score: 27.3825
Type of gen. func.: lgdegf]


                           -3 + 2 x + (1 - 2 x) f(x)



------------------------------------------------------------------------------

Sequence:  A010844
Score: 3.93947
Type of gen. func.: ogf


{(-2 n - 4) a(n + 1) + (2 n + 7) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 3,

    a(2) = 13}



------------------------------------------------------------------------------
```

Sequence: A010845
Score: 27.1392
Type of gen. func.: lgdegf]

$$-4 + 3 x + (1 - 3 x) f(x)$$

Sequence: A010845
Score: 3.87483
Type of gen. func.: ogf

$$\{(3 n + 6) a(n + 1) + (-3 n - 10) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 4, a(2) = 25\}$$

Sequence: A010849
Score: 12.9017
Type of gen. func.: lgdogf

$$-\frac{2 (x - 1 + (x^2 - 6 x + 1)^{1/2})}{(x^2 - 6 x + 1)^{1/2} x}$$

Sequence: A010849
Score: 5.31442
Type of gen. func.: ogf

$$-16 f(x)^2 x^4 + f(x) x^4 - 4 f(x) x^3 - 2 f(x) x^2 - 4 f(x) x + f(x) - 1$$

Sequence: A010850
Score: 101.229
Type of gen. func.: revogf

$$\frac{x}{11 + x}$$

Sequence: A010850
Score: 15.5949
Type of gen. func.: ogf

$$\{a(n + 1) - a(n), a(0) = 11\}$$

Sequence: A010850
Score: 19.6793
Type of gen. func.: ogf

$$-f(x) x + f(x) - 11$$

Sequence: A010850
Score: 31.7896
Type of gen. func.: ogf

$$-\frac{11}{x - 1}$$

Sequence: A010850
Score: 89.9813
Type of gen. func.: lgdogf

$$-\frac{1}{x - 1}$$

Sequence: A010851
Score: 12.4185
Type of gen. func.: ogf

$$\{a(n + 1) - a(n), a(0) = 12\}$$

Sequence: A010851
Score: 19.6793
Type of gen. func.: ogf

$$-f(x) x + f(x) - 12$$

Sequence: A010851
Score: 25.3147
Type of gen. func.: ogf

```
  12
- -----
```

```
                                      x - 1



------------------------------------------------------------------------------

Sequence:  A010851
Score: 40.1391
Type of gen. func.: revegf]


                              -ln(12) + ln(12 + x)



------------------------------------------------------------------------------

Sequence:  A010851
Score: 71.3584
Type of gen. func.: lgdogf


                                        1
                                    - -----
                                      x - 1



------------------------------------------------------------------------------

Sequence:  A010852
Score: 12.4185
Type of gen. func.: ogf


                          {a(n + 1) - a(n), a(0) = 13}



------------------------------------------------------------------------------

Sequence:  A010852
Score: 15.671
Type of gen. func.: ogf


                              -f(x) x + f(x) - 13



------------------------------------------------------------------------------

Sequence:  A010852
Score: 25.3147
Type of gen. func.: ogf


                                       13
                                    - -----
                                      x - 1



------------------------------------------------------------------------------

Sequence:  A010852
Score: 40.1391
Type of gen. func.: revegf]


                              -ln(13) + ln(13 + x)
```

Sequence: A010852
Score: 71.3584
Type of gen. func.: lgdogf

$$-\frac{1}{x - 1}$$

Sequence: A010853
Score: 12.4185
Type of gen. func.: ogf

$$\{a(n + 1) - a(n), a(0) = 14\}$$

Sequence: A010853
Score: 15.671
Type of gen. func.: ogf

$$-f(x) x + f(x) - 14$$

Sequence: A010853
Score: 25.3147
Type of gen. func.: ogf

$$-\frac{14}{x - 1}$$

Sequence: A010853
Score: 40.1391
Type of gen. func.: revegf]

$$-\ln(14) + \ln(14 + x)$$

Sequence: A010853
Score: 71.3584
Type of gen. func.: lgdogf

```
   1
- -----
```

```
                                         x - 1



--------------------------------------------------------------------------------

Sequence:  A010854
Score: 12.4185
Type of gen. func.: ogf


                          {a(n + 1) - a(n), a(0) = 15}



--------------------------------------------------------------------------------

Sequence:  A010854
Score: 15.671
Type of gen. func.: ogf


                              -f(x) x + f(x) - 15



--------------------------------------------------------------------------------

Sequence:  A010854
Score: 25.3147
Type of gen. func.: ogf


                                          15
                                       - -----
                                         x - 1



--------------------------------------------------------------------------------

Sequence:  A010854
Score: 40.1391
Type of gen. func.: revegf]


                              -ln(15) + ln(15 + x)



--------------------------------------------------------------------------------

Sequence:  A010854
Score: 71.3584
Type of gen. func.: lgdogf


                                           1
                                       - -----
                                         x - 1



--------------------------------------------------------------------------------

Sequence:  A010855
Score: 12.4185
Type of gen. func.: ogf


                          {a(n + 1) - a(n), a(0) = 16}
```

Sequence: A010855
Score: 15.671
Type of gen. func.: ogf

$$-f(x)\, x + f(x) - 16$$

Sequence: A010855
Score: 25.3147
Type of gen. func.: ogf

$$-\frac{16}{x - 1}$$

Sequence: A010855
Score: 37.7780
Type of gen. func.: revegf]

$$-4 \ln(2) + \ln(x + 16)$$

Sequence: A010855
Score: 71.3584
Type of gen. func.: lgdogf

$$-\frac{1}{x - 1}$$

Sequence: A010856
Score: 12.4185
Type of gen. func.: ogf

$$\{a(n + 1) - a(n),\ a(0) = 17\}$$

Sequence: A010856
Score: 15.671
Type of gen. func.: ogf

$$-f(x)\, x + f(x) - 17$$

Sequence: A010856
Score: 25.3147
Type of gen. func.: ogf

$$-\frac{17}{x - 1}$$

Sequence: A010856
Score: 40.1391
Type of gen. func.: revegf]

$$-\ln(17) + \ln(17 + x)$$

Sequence: A010856
Score: 71.3584
Type of gen. func.: lgdogf

$$-\frac{1}{x - 1}$$

Sequence: A010857
Score: 12.4185
Type of gen. func.: ogf

$$\{a(n + 1) - a(n), a(0) = 18\}$$

Sequence: A010857
Score: 15.671
Type of gen. func.: ogf

$$-f(x) x + f(x) - 18$$

Sequence: A010857
Score: 25.3147
Type of gen. func.: ogf

$$-\frac{18}{x - 1}$$

Sequence: A010857
Score: 40.1391
Type of gen. func.: revegf]

$$-\ln(18) + \ln(x + 18)$$

Sequence: A010857
Score: 71.3584
Type of gen. func.: lgdogf

$$-\frac{1}{x - 1}$$

Sequence: A010858
Score: 12.4185
Type of gen. func.: ogf

$$\{a(n + 1) - a(n), a(0) = 19\}$$

Sequence: A010858
Score: 15.671
Type of gen. func.: ogf

$$-f(x)\, x + f(x) - 19$$

Sequence: A010858
Score: 25.3147
Type of gen. func.: ogf

$$-\frac{19}{x - 1}$$

Sequence: A010858
Score: 40.1391
Type of gen. func.: revegf]

$$-\ln(19) + \ln(19 + x)$$

Sequence: A010858
Score: 71.3584
Type of gen. func.: lgdogf

$$-\frac{1}{x-1}$$

Sequence: A010859
Score: 12.4185
Type of gen. func.: ogf

$$\{a(n+1) - a(n), a(0) = 20\}$$

Sequence: A010859
Score: 15.671
Type of gen. func.: ogf

$$-f(x)\,x + f(x) - 20$$

Sequence: A010859
Score: 25.3147
Type of gen. func.: ogf

$$-\frac{20}{x-1}$$

Sequence: A010859
Score: 40.1391
Type of gen. func.: revegf]

$$-\ln(20) + \ln(20 + x)$$

Sequence: A010859
Score: 71.3584
Type of gen. func.: lgdogf

$$-\frac{1}{x-1}$$

Sequence: A010860
Score: 12.4185
Type of gen. func.: ogf

$$\{a(n + 1) - a(n), a(0) = 21\}$$

Sequence: A010860
Score: 15.671
Type of gen. func.: ogf

$$-f(x) x + f(x) - 21$$

Sequence: A010860
Score: 25.3147
Type of gen. func.: ogf

$$-\frac{21}{x - 1}$$

Sequence: A010860
Score: 40.1391
Type of gen. func.: revegf]

$$-\ln(21) + \ln(21 + x)$$

Sequence: A010860
Score: 71.3584
Type of gen. func.: lgdogf

$$-\frac{1}{x - 1}$$

Sequence: A010861
Score: 12.4185
Type of gen. func.: ogf

$$\{a(n + 1) - a(n), a(0) = 22\}$$

Sequence: A010861
Score: 15.671
Type of gen. func.: ogf

$$-f(x) x + f(x) - 22$$

Sequence: A010861
Score: 25.3147
Type of gen. func.: ogf

$$-\frac{22}{x - 1}$$

Sequence: A010861
Score: 40.1391
Type of gen. func.: revegf]

$$-\ln(22) + \ln(22 + x)$$

Sequence: A010861
Score: 71.3584
Type of gen. func.: lgdogf

$$-\frac{1}{x - 1}$$

Sequence: A010862
Score: 12.4185
Type of gen. func.: ogf

$$\{a(n + 1) - a(n), a(0) = 23\}$$

Sequence: A010862
Score: 15.671
Type of gen. func.: ogf

$$-f(x) x + f(x) - 23$$

Sequence: A010862
Score: 25.3147
Type of gen. func.: ogf

$$-\frac{23}{x - 1}$$

Sequence: A010862
Score: 40.1391
Type of gen. func.: revegf]

$$-\ln(23) + \ln(23 + x)$$

Sequence: A010862
Score: 71.3584
Type of gen. func.: lgdogf

$$-\frac{1}{x - 1}$$

Sequence: A010863
Score: 12.4185
Type of gen. func.: ogf

$$\{a(n + 1) - a(n), a(0) = 24\}$$

Sequence: A010863
Score: 15.671
Type of gen. func.: ogf

$$-f(x) x + f(x) - 24$$

Sequence: A010863
Score: 25.3147
Type of gen. func.: ogf

$$-\frac{24}{x - 1}$$

Sequence: A010863
Score: 40.1391
Type of gen. func.: revegf]

```
-ln(24) + ln(24 + x)
```

Sequence: A010863
Score: 71.3584
Type of gen. func.: lgdogf

```
    1
- -----
  x - 1
```

Sequence: A010864
Score: 12.4185
Type of gen. func.: ogf

```
{a(n + 1) - a(n), a(0) = 25}
```

Sequence: A010864
Score: 15.671
Type of gen. func.: ogf

```
-f(x) x + f(x) - 25
```

Sequence: A010864
Score: 25.3147
Type of gen. func.: ogf

```
   25
- -----
  x - 1
```

Sequence: A010864
Score: 37.7780
Type of gen. func.: revegf]

```
-2 ln(5) + ln(25 + x)
```

Sequence: A010864
Score: 71.3584
Type of gen. func.: lgdogf

$$-\frac{1}{x - 1}$$

Sequence: A010865
Score: 12.4185
Type of gen. func.: ogf

$$\{a(n + 1) - a(n), a(0) = 26\}$$

Sequence: A010865
Score: 15.671
Type of gen. func.: ogf

$$-f(x) x + f(x) - 26$$

Sequence: A010865
Score: 25.3147
Type of gen. func.: ogf

$$-\frac{26}{x - 1}$$

Sequence: A010865
Score: 40.1391
Type of gen. func.: revegf]

$$-\ln(26) + \ln(26 + x)$$

Sequence: A010865
Score: 71.3584
Type of gen. func.: lgdogf

$$-\frac{1}{x - 1}$$

```
------------------------------------------------------------------------------

Sequence:  A010866
Score: 12.4185
Type of gen. func.: ogf


                          {a(n + 1) - a(n), a(0) = 27}



------------------------------------------------------------------------------

Sequence:  A010866
Score: 15.671
Type of gen. func.: ogf


                              -f(x) x + f(x) - 27



------------------------------------------------------------------------------

Sequence:  A010866
Score: 25.3147
Type of gen. func.: ogf


                                       27
                                    - -----
                                      x - 1



------------------------------------------------------------------------------

Sequence:  A010866
Score: 37.7780
Type of gen. func.: revegf]


                             -3 ln(3) + ln(27 + x)



------------------------------------------------------------------------------

Sequence:  A010866
Score: 71.3584
Type of gen. func.: lgdogf


                                        1
                                    - -----
                                      x - 1



------------------------------------------------------------------------------

Sequence:  A010867
Score: 12.4185
Type of gen. func.: ogf


                          {a(n + 1) - a(n), a(0) = 28}
```

Sequence: A010867
Score: 15.671
Type of gen. func.: ogf

$$-f(x) x + f(x) - 28$$

Sequence: A010867
Score: 25.3147
Type of gen. func.: ogf

$$-\frac{28}{x - 1}$$

Sequence: A010867
Score: 40.1391
Type of gen. func.: revegf]

$$-\ln(28) + \ln(28 + x)$$

Sequence: A010867
Score: 71.3584
Type of gen. func.: lgdogf

$$-\frac{1}{x - 1}$$

Sequence: A010868
Score: 12.4185
Type of gen. func.: ogf

$$\{a(n + 1) - a(n), a(0) = 29\}$$

Sequence: A010868
Score: 15.671
Type of gen. func.: ogf

$$-f(x) x + f(x) - 29$$

Sequence: A010868
Score: 25.3147
Type of gen. func.: ogf

$$-\frac{29}{x - 1}$$

Sequence: A010868
Score: 40.1391
Type of gen. func.: revegf]

$$-\ln(29) + \ln(29 + x)$$

Sequence: A010868
Score: 71.3584
Type of gen. func.: lgdogf

$$-\frac{1}{x - 1}$$

Sequence: A010869
Score: 12.4185
Type of gen. func.: ogf

$$\{a(n + 1) - a(n), a(0) = 30\}$$

Sequence: A010869
Score: 15.671
Type of gen. func.: ogf

$$-f(x) x + f(x) - 30$$

Sequence: A010869
Score: 25.3147
Type of gen. func.: ogf

$$-\frac{30}{x - 1}$$

Sequence: A010869
Score: 40.1391
Type of gen. func.: revegf]

$$-\ln(30) + \ln(30 + x)$$

Sequence: A010869
Score: 71.3584
Type of gen. func.: lgdogf

$$-\frac{1}{x - 1}$$

Sequence: A010870
Score: 12.4185
Type of gen. func.: ogf

$$\{a(n + 1) - a(n), a(0) = 31\}$$

Sequence: A010870
Score: 15.671
Type of gen. func.: ogf

$$-f(x) x + f(x) - 31$$

Sequence: A010870
Score: 25.3147
Type of gen. func.: ogf

$$-\frac{31}{x - 1}$$

Sequence: A010870
Score: 40.1391
Type of gen. func.: revegf]

$$-\ln(31) + \ln(31 + x)$$

```
------------------------------------------------------------------------------

Sequence:  A010870
Score: 71.3584
Type of gen. func.: lgdogf


                                          1
                                       - -----
                                         x - 1



------------------------------------------------------------------------------

Sequence:  A010871
Score: 12.4185
Type of gen. func.: ogf


                          {a(n + 1) - a(n), a(0) = 32}



------------------------------------------------------------------------------

Sequence:  A010871
Score: 15.671
Type of gen. func.: ogf


                              -f(x) x + f(x) - 32



------------------------------------------------------------------------------

Sequence:  A010871
Score: 25.3147
Type of gen. func.: ogf


                                         32
                                       - -----
                                         x - 1



------------------------------------------------------------------------------

Sequence:  A010871
Score: 37.7780
Type of gen. func.: revegf]


                             -5 ln(2) + ln(32 + x)



------------------------------------------------------------------------------

Sequence:  A010871
Score: 71.3584
Type of gen. func.: lgdogf


                                          1
                                       - -----
                                         x - 1
```

Sequence: A010872
Score: 11.0454
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A010872
Score: 16.9062
Type of gen. func.: ogf

$$-f(x) x^3 - 2 x^2 + f(x) - x$$

Sequence: A010872
Score: 18.4090
Type of gen. func.: ogf

$$-\frac{x (2 x + 1)}{(x - 1) (x^2 + x + 1)}$$

Sequence: A010872
Score: 24.3169
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 3 x^2 + 2}{(x - 1) (2 x + 1) (x^2 + x + 1)}$$

Sequence: A010873
Score: 11.2303
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^5 + 3 x^4 + 2 x^3 + 3 x + 1)}{(x - 1) (x + 1) (x^2 + 1) (3 x^2 + 2 x + 1)}$$

Sequence: A010873

Score: 11.9396
Type of gen. func.: ogf

$$-\frac{x\,(3\,x^{2}+2\,x+1)}{(x-1)\,(x+1)\,(x^{2}+1)}$$

Sequence: A010873
Score: 7.44471
Type of gen. func.: ogf

$$-(34\,f(x)+95)\,(f(x)\,x^{4}+3\,x^{3}+2\,x^{2}-f(x)+x)$$

Sequence: A010874
Score: 10.6620
Type of gen. func.: ogf

$$-\frac{x\,(4\,x^{3}+3\,x^{2}+2\,x+1)}{(x-1)\,(x^{4}+x^{3}+x^{2}+x+1)}$$

Sequence: A010874
Score: 8.42270
Type of gen. func.: lgdogf

$$-\frac{8\,x^{7}+9\,x^{6}+8\,x^{5}+5\,x^{4}+12\,x^{2}+6\,x+2}{(x-1)\,(4\,x^{3}+3\,x^{2}+2\,x+1)\,(x^{4}+x^{3}+x^{2}+x+1)}$$

Sequence: A010875
Score: 13.7341
Type of gen. func.: ogf

$$-\frac{x\,(5\,x^{4}+4\,x^{3}+3\,x^{2}+2\,x+1)}{(x-1)\,(x+1)\,(x^{2}+x+1)\,(x^{2}-x+1)}$$

Sequence: A010875
Score: 6.31702
Type of gen. func.: lgdogf

$$-\frac{2 (5 x^{9} + 6 x^{8} + 6 x^{7} + 5 x^{6} + 3 x^{5} + 10 x^{3} + 6 x^{2} + 3 x + 1)}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (5 x^{4} + 4 x^{3} + 3 x^{2} + 2 x + 1)}$$

Sequence: A010876
Score: 9.65244
Type of gen. func.: ogf

$$-\frac{x (6 x^{5} + 5 x^{4} + 4 x^{3} + 3 x^{2} + 2 x + 1)}{(x - 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A010877
Score: 7.96171
Type of gen. func.: ogf

$$-\frac{x (7 x^{6} + 6 x^{5} + 5 x^{4} + 4 x^{3} + 3 x^{2} + 2 x + 1)}{(x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1)}$$

Sequence: A010878
Score: 10.0586
Type of gen. func.: ogf

$$-\frac{x (8 x^{7} + 7 x^{6} + 6 x^{5} + 5 x^{4} + 4 x^{3} + 3 x^{2} + 2 x + 1)}{(x - 1) (x^{2} + x + 1) (x^{6} + x^{3} + 1)}$$

Sequence: A010879
Score: 6.72092
Type of gen. func.: ogf

$$-\frac{x (9 x^{8} + 8 x^{7} + 7 x^{6} + 6 x^{5} + 5 x^{4} + 4 x^{3} + 3 x^{2} + 2 x + 1)}{(x - 1) (x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A010880
Score: 6.14607
Type of gen. func.: ogf

$$-\frac{x\,(10\,x^{9}+9\,x^{8}+8\,x^{7}+7\,x^{6}+6\,x^{5}+5\,x^{4}+4\,x^{3}+3\,x^{2}+2\,x+1)}{(x-1)\,(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)}$$

Sequence: A010881
Score: 5.59150
Type of gen. func.: ogf

$$-x\,(11\,x^{10}+10\,x^{9}+9\,x^{8}+8\,x^{7}+7\,x^{6}+6\,x^{5}+5\,x^{4}+4\,x^{3}+3\,x^{2}+2\,x+1)\Big/\big((x-1)\,(x+1)\,(x^{2}+x+1)\,(x^{2}-x+1)\,(x^{2}+1)\,(x^{4}-x^{2}+1)\big)$$

Sequence: A010882
Score: 12.548
Type of gen. func.: ogf

$$-(f(x)-2)\,(f(x)\,x^{3}+3\,x^{2}-f(x)+2\,x+1)$$

Sequence: A010882
Score: 13.0433
Type of gen. func.: ogf

$$\{a(n+3)-a(n),\ a(0)=1,\ a(1)=2,\ a(2)=3\}$$

Sequence: A010882
Score: 17.3692
Type of gen. func.: lgdogf

$$-\frac{3\,x^{4}+4\,x^{3}+3\,x^{2}+6\,x+2}{(x-1)\,(x^{2}+x+1)\,(3\,x^{2}+2\,x+1)}$$

Sequence: A010882
Score: 20.2305
Type of gen. func.: ogf

$$-\frac{3 x^{2} + 2 x + 1}{(x - 1) (x^{2} + x + 1)}$$

Sequence: A010883
Score: 12.7208
Type of gen. func.: ogf

$$-\frac{4 x^{3} + 3 x^{2} + 2 x + 1}{(x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A010883
Score: 8.43121
Type of gen. func.: ogf

$$(49 f(x) + 100) (f(x) x^{4} + 4 x^{3} + 3 x^{2} - f(x) + 2 x + 1)$$

Sequence: A010883
Score: 8.73465
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^{6} + 3 x^{5} + 3 x^{4} + 2 x^{3} + 6 x^{2} + 3 x + 1)}{(x - 1) (x + 1) (x^{2} + 1) (4 x^{3} + 3 x^{2} + 2 x + 1)}$$

Sequence: A010884
Score: 11.1551
Type of gen. func.: ogf

$$-\frac{5 x^{4} + 4 x^{3} + 3 x^{2} + 2 x + 1}{(x - 1) (x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A010884
Score: 6.86899
Type of gen. func.: lgdogf

$$-\frac{5x^8+8x^7+9x^6+8x^5+5x^4+20x^3+12x^2+6x+2}{(x-1)(x^4+x^3+x^2+x+1)(5x^4+4x^3+3x^2+2x+1)}$$

Sequence: A010885
Score: 5.35990
Type of gen. func.: lgdogf

$$-2(3x^{10}+5x^9+6x^8+6x^7+5x^6+3x^5+15x^4+10x^3+6x^2+3x+1) \Big/ ((x-1)(x+1)(x^2+x+1)(x^2-x+1)(6x^5+5x^4+4x^3+3x^2+2x+1))$$

Sequence: A010885
Score: 9.93266
Type of gen. func.: ogf

$$-\frac{6x^5+5x^4+4x^3+3x^2+2x+1}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A010886
Score: 8.95165
Type of gen. func.: ogf

$$-\frac{7x^6+6x^5+5x^4+4x^3+3x^2+2x+1}{(x-1)(x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A010887
Score: 8.14701
Type of gen. func.: ogf

$$-\frac{8x^7+7x^6+6x^5+5x^4+4x^3+3x^2+2x+1}{(x-1)(x+1)(x^2+1)(x^4+1)}$$

Sequence: A010888
Score: 9.76871
Type of gen. func.: ogf

$$-\frac{x(9x^8+8x^7+7x^6+6x^5+5x^4+4x^3+3x^2+2x+1)}{(x-1)(x^2+x+1)(x^6+x^3+1)}$$

Sequence: A010889
Score: 9.27337
Type of gen. func.: ogf

$$-\frac{10x^9+9x^8+8x^7+7x^6+6x^5+5x^4+4x^3+3x^2+2x+1}{(x-1)(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)}$$

Sequence: A010891
Score: 10.4929
Type of gen. func.: ogf

$$\frac{1}{x^4+x^3+x^2+x+1}$$

Sequence: A010891
Score: 20.5079
Type of gen. func.: ogf_with_Euler_transform]

$$[x^4-1]$$

Sequence: A010891
Score: 4.24918
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^4 + f(x) x^3 + f(x) x^2 + f(x) x + f(x) - 1)$$

Sequence: A010892
Score: 24.1944
Type of gen. func.: ogf_with_Euler_transform]

$$x^5 - x^2 - x + 1$$

Sequence: A010892
Score: 24.2461
Type of gen. func.: ogf

$$\frac{1}{x^2 - x + 1}$$

Sequence: A010892
Score: 9.41318
Type of gen. func.: ogf

$$-(f(x) - 2) (f(x) x^2 - f(x) x + f(x) - 1)$$

Sequence: A010892
Score: 9.75756
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A010894
Score: 11.1423
Type of gen. func.: ogf_with_Euler_transform]

$$[x^{19}]$$

Sequence: A010901
Score: 12.8809

Type of gen. func.: ogf

$$-\frac{2 x^{2} - x + 4}{x^{3} - x^{2} + 2 x - 1}$$

Sequence: A010901
Score: 14.2872
Type of gen. func.: lgdogf

$$-\frac{2 x^{4} - 2 x^{3} + 9 x^{2} - 4 x + 7}{(2 x^{2} - x + 4) (x^{3} - x^{2} + 2 x - 1)}$$

Sequence: A010901
Score: 6.95338
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n + 1) - a(n), a(0) = 4, a(1) = 7, a(2) = 12\}$$

Sequence: A010901
Score: 7.07867
Type of gen. func.: ogf

$$(f(x) + 2) (f(x) x^{3} - f(x) x^{2} + 2 f(x) x + 2 x^{2} - f(x) - x + 4)$$

Sequence: A010903
Score: 12.0397
Type of gen. func.: revogf

$$-\frac{-3 - 5 x + ((x + 1) (13 x + 9))^{1/2}}{2 (2 + 3 x)}$$

Sequence: A010903
Score: 13.9407
Type of gen. func.: lgdogf

2

$$-\frac{6x - 18x + 13}{(2x - 3)(3x^2 - 5x + 1)}$$

Sequence: A010903
Score: 15.9609
Type of gen. func.: ogf

$$-\frac{2x - 3}{3x^2 - 5x + 1}$$

Sequence: A010903
Score: 8.25563
Type of gen. func.: ogf

$$(47 f(x) + 28)(3 f(x) x^2 - 5 f(x) x + f(x) + 2x - 3)$$

Sequence: A010903
Score: 8.65348
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - 3 a(n), a(0) = 3, a(1) = 13\}$$

Sequence: A010904
Score: 12.5517
Type of gen. func.: ogf

$$-\frac{x^2 - 2x + 4}{x^3 - 2x^2 + 4x - 1}$$

Sequence: A010904
Score: 6.60045
Type of gen. func.: ogf

$$-(10 f(x) + 9)(f(x) x^3 - 2 f(x) x^2 + 4 f(x) x + x^2 - f(x) - 2x + 4)$$

Sequence: A010904
Score: 6.71626
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 4, a(1) = 14, a(2) = 49\}$$

Sequence: A010905
Score: 14.8704
Type of gen. func.: revogf

$$-\frac{-2 - 2 x + ((3 x + 4) (x + 1))^{1/2}}{x + 1}$$

Sequence: A010905
Score: 16.3090
Type of gen. func.: ogf

$$-\frac{x - 4}{x^2 - 4 x + 1}$$

Sequence: A010905
Score: 18.3402
Type of gen. func.: lgdogf

$$-\frac{(x - 3) (x - 5)}{(x - 4) (x^2 - 4 x + 1)}$$

Sequence: A010905
Score: 8.43567
Type of gen. func.: ogf

$$(52 f(x) + 17) (f(x) x^2 - 4 f(x) x + f(x) + x - 4)$$

Sequence: A010905
Score: 8.84223
Type of gen. func.: ogf

$$\{-a(n+2) + 4\,a(n+1) - a(n),\ a(0) = 4,\ a(1) = 15\}$$

Sequence: A010907
Score: 13.7616
Type of gen. func.: ogf

$$-\frac{x^3 + 2\,x^2 + 3\,x + 4}{x^4 + 2\,x^3 + 3\,x^2 + 4\,x - 1}$$

Sequence: A010907
Score: 6.13583
Type of gen. func.: lgdogf

$$-\frac{x^6 + 4\,x^5 + 10\,x^4 + 20\,x^3 + 28\,x^2 + 28\,x + 19}{(x^3 + 2\,x^2 + 3\,x + 4)\,(x^4 + 2\,x^3 + 3\,x^2 + 4\,x - 1)}$$

Sequence: A010907
Score: 7.73461
Type of gen. func.: ogf

$$(6\,f(x) - 1)$$

$$(f(x)\,x^4 + 2\,f(x)\,x^3 + 3\,f(x)\,x^2 + x^3 + 4\,f(x)\,x + 2\,x^2 - f(x) + 3\,x + 4)$$

Sequence: A010908
Score: 13.6728
Type of gen. func.: revogf

$$-\frac{-2 - 3\,x + ((x + 1)\,(5\,x + 4))^{1/2}}{3 + 4\,x}$$

Sequence: A010908
Score: 14.0326
Type of gen. func.: lgdogf

$$(6\,x - 7)\,(2\,x - 3)$$

$$-\frac{}{(3x-4)(4x^2-6x+1)}$$

Sequence: A010908
Score: 16.2349
Type of gen. func.: ogf

$$-\frac{3x-4}{4x^2-6x+1}$$

Sequence: A010908
Score: 8.39736
Type of gen. func.: ogf

$$(94f(x)+65)(4f(x)x^2-6f(x)x+f(x)+3x-4)$$

Sequence: A010908
Score: 8.80204
Type of gen. func.: ogf

$$\{-a(n+2)+6a(n+1)-4a(n),\ a(0)=4,\ a(1)=21\}$$

Sequence: A010909
Score: 11.7561
Type of gen. func.: ogf

$$-\frac{2x^2+x+4}{3x^3+x^2+6x-1}$$

Sequence: A010909
Score: 11.9450
Type of gen. func.: lgdogf

$$-\frac{6x^4+6x^3+25x^2+12x+25}{(3x^3+x^2+6x-1)(2x^2+x+4)}$$

Sequence: A010909
Score: 6.12925
Type of gen. func.: ogf

$$-(80 f(x) - 23) (3 f(x) x^3 + f(x) x^2 + 6 f(x) x + 2 x^2 - f(x) + x + 4)$$

Sequence: A010909
Score: 6.23583
Type of gen. func.: ogf

{a(n + 3) - 6 a(n + 2) - a(n + 1) - 3 a(n), a(0) = 4, a(1) = 25, a(2) = 156}

Sequence: A010910
Score: 16.6229
Type of gen. func.: ogf

$$-\frac{3 x + 4}{5 x^2 + 6 x - 1}$$

Sequence: A010910
Score: 18.3917
Type of gen. func.: revogf

$$\frac{-2 - 3 x + ((7 x + 4) (2 x + 1))^{1/2}}{3 + 5 x}$$

Sequence: A010910
Score: 18.8633
Type of gen. func.: lgdogf

$$-\frac{15 x^2 + 40 x + 27}{(3 x + 4) (5 x^2 + 6 x - 1)}$$

Sequence: A010910

Score: 8.50037
Type of gen. func.: ogf

$$(202 f(x) - 79) (5 f(x) x^2 + 6 f(x) x - f(x) + 3 x + 4)$$

Sequence: A010910
Score: 9.01243
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) - 5 a(n), a(0) = 4, a(1) = 27\}$$

Sequence: A010911
Score: 10.2316
Type of gen. func.: lgdogf

$$-\frac{x^4 + 4 x^3 + 10 x^2 + 14 x + 11}{(x^2 + 2 x + 3) (x^3 + 2 x^2 + 3 x - 1)}$$

Sequence: A010911
Score: 12.6051
Type of gen. func.: ogf

$$-\frac{x^2 + 2 x + 3}{x^3 + 2 x^2 + 3 x - 1}$$

Sequence: A010911
Score: 6.62854
Type of gen. func.: ogf

$$-(33 f(x) - 4) (f(x) x^3 + 2 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 2 x + 3)$$

Sequence: A010911
Score: 6.74484
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + 2 a(n + 1) + a(n), a(0) = 3, a(1) = 11, a(2) = 40\}$$

Sequence: A010912
Score: 12.3224
Type of gen. func.: ogf

$$-\frac{x^2 - 2 x + 3}{x^3 - 2 x^2 + 3 x - 1}$$

Sequence: A010912
Score: 13.1796
Type of gen. func.: lgdogf

$$-\frac{x^4 - 4 x^3 + 10 x^2 - 10 x + 7}{(x^2 - 2 x + 3) (x^3 - 2 x^2 + 3 x - 1)}$$

Sequence: A010912
Score: 6.6519
Type of gen. func.: ogf

$$(25 f(x) + 12) (f(x) x^3 - 2 f(x) x^2 + 3 f(x) x + x^2 - f(x) - 2 x + 3)$$

Sequence: A010912
Score: 6.65190
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 3, a(1) = 7, a(2) = 16\}$$

Sequence: A010913
Score: 11.7875
Type of gen. func.: revogf

$$-\frac{-3 - 6 x + ((14 x + 9) (2 x + 1))^{1/2}}{2 (2 x + 1)}$$

Sequence: A010913
Score: 15.0619
Type of gen. func.: lgdogf

$$-\frac{2x^2 - 12x + 17}{(x-3)(2x^2 - 6x + 1)}$$

Sequence: A010913
Score: 16.6529
Type of gen. func.: ogf

$$-\frac{x - 3}{2x^2 - 6x + 1}$$

Sequence: A010913
Score: 8.6136
Type of gen. func.: ogf

$$(90 f(x) + 19) (2 f(x) x^2 - 6 f(x) x + f(x) + x - 3)$$

Sequence: A010913
Score: 9.02870
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 2 a(n), a(0) = 3, a(1) = 17\}$$

Sequence: A010914
Score: 16.8697
Type of gen. func.: ogf

$$-\frac{3x - 5}{2x^2 - 4x + 1}$$

Sequence: A010914
Score: 17.3513
Type of gen. func.: revogf

$$-\frac{-5-4x+(8x^2+28x+25)^{1/2}}{2(3+2x)}$$

Sequence: A010914
Score: 19.6343
Type of gen. func.: lgdogf

$$-\frac{6x^2-20x+17}{(3x-5)(2x^2-4x+1)}$$

Sequence: A010914
Score: 8.34216
Type of gen. func.: ogf

$$-(48 f(x)+49)(2 f(x) x^2-4 f(x) x+f(x)+3x-5)$$

Sequence: A010914
Score: 9.14623
Type of gen. func.: ogf

$$\{a(n+2)-4a(n+1)+2a(n),\ a(0)=5,\ a(1)=17\}$$

Sequence: A010915
Score: 5.63531
Type of gen. func.: lgdogf

$$-\frac{2x^8+6x^7+6x^6-2x^5+9x^4+14x^3+8x^2-10x+16}{(2x^4+3x^3+x^2-2x+6)(x^5+x^4-x^2+3x-1)}$$

Sequence: A010915
Score: 8.97734
Type of gen. func.: ogf

$$-\frac{2x^4+3x^3+x^2-2x+6}{{}^{5}\quad{}^{4}\quad{}^{2}}$$

$$x + x - x + 3 x - 1$$

Sequence: A010917
Score: 6.83580
Type of gen. func.: ogf

$$-\frac{6 x^{11} + 5 x^{10} - x^{8} - 6 x - 5}{5 x^{12} + 3 x^{11} - x^{10} - x^{9} - 5 x^{2} - 3 x + 1}$$

Sequence: A010918
Score: 4.72212
Type of gen. func.: ogf

$$-(4039 f(x) - 6043) \left(6 f(x) x^{4} + 5 f(x) x^{3} - 7 f(x) x^{2} + 7 x^{3} - 6 f(x) x + 7 x^{2} + f(x) - 7 x - 8 \right)$$

Sequence: A010918
Score: 5.98489
Type of gen. func.: lgdogf

$$-\frac{42 x^{6} + 84 x^{5} - 42 x^{4} - 178 x^{3} - 50 x^{2} + 98 x + 55}{(7 x^{3} + 7 x^{2} - 7 x - 8) (6 x^{4} + 5 x^{3} - 7 x^{2} - 6 x + 1)}$$

Sequence: A010918
Score: 9.01495
Type of gen. func.: ogf

$$-\frac{7 x^{3} + 7 x^{2} - 7 x - 8}{6 x^{4} + 5 x^{3} - 7 x^{2} - 6 x + 1}$$

Sequence: A010919
Score: 9.47810
Type of gen. func.: ogf

$$-\frac{x^4 + x^2 - x - 4}{x^5 + x^3 - x^2 - 3 x + 1}$$

Sequence: A010920
Score: 12.0397
Type of gen. func.: revogf

$$-\frac{-3 - 5 x + ((x + 1) (13 x + 9))^{1/2}}{2 (2 + 3 x)}$$

Sequence: A010920
Score: 12.0428
Type of gen. func.: ogf

$$-\frac{2 x - 3}{3 x^2 - 5 x + 1}$$

Sequence: A010920
Score: 13.9407
Type of gen. func.: lgdogf

$$-\frac{6 x^2 - 18 x + 13}{(2 x - 3) (3 x^2 - 5 x + 1)}$$

Sequence: A010920
Score: 6.22902
Type of gen. func.: ogf

$$(47 f(x) + 28) (3 f(x) x^2 - 5 f(x) x + f(x) + 2 x - 3)$$

Sequence: A010920
Score: 6.52922
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - 3 a(n), a(0) = 3, a(1) = 13\}$$

Sequence: A010924
Score: 13.7653
Type of gen. func.: revogf

$$\frac{-4 - 3 x + ((15 x + 16) (x + 1))^{1/2}}{7 + 6 x}$$

Sequence: A010924
Score: 14.1182
Type of gen. func.: lgdogf

$$-\frac{42 x^2 + 96 x + 55}{(7 x + 8) (6 x^2 + 6 x - 1)}$$

Sequence: A010924
Score: 15.4256
Type of gen. func.: ogf

$$-\frac{7 x + 8}{6 x^2 + 6 x - 1}$$

Sequence: A010924
Score: 7.79945
Type of gen. func.: ogf

$$(426 f(x) - 383) (6 f(x) x^2 + 6 f(x) x - f(x) + 7 x + 8)$$

Sequence: A010924
Score: 8.36326
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) - 6 a(n), a(0) = 8, a(1) = 55\}$$

Sequence: A010926
Score: 10.4908
Type of gen. func.: lgdogf

$$\frac{10}{x + 1}$$

Sequence: A010927
Score: 12.1139
Type of gen. func.: lgdogf

$$\frac{11}{x + 1}$$

Sequence: A010928
Score: 13.7866
Type of gen. func.: lgdogf

$$\frac{12}{x + 1}$$

Sequence: A010929
Score: 16.8240
Type of gen. func.: lgdogf

$$\frac{13}{x + 1}$$

Sequence: A010930
Score: 11.2191
Type of gen. func.: lgdogf

$$-14 + (x + 1) f(x)$$

Sequence: A010931
Score: 12.8727
Type of gen. func.: lgdogf

$$-15 + (x + 1) f(x)$$

Sequence: A010932
Score: 14.7732
Type of gen. func.: lgdogf

$$-16 + (x + 1) f(x)$$

Sequence: A010933
Score: 10.4706
Type of gen. func.: ogf_with_Euler_transform]

[17 - 17 x]

Sequence: A010933
Score: 16.7229
Type of gen. func.: lgdogf

$$-17 + (x + 1) f(x)$$

Sequence: A010934
Score: 11.4358
Type of gen. func.: ogf_with_Euler_transform]

[18 - 18 x]

Sequence: A010934
Score: 18.2976
Type of gen. func.: lgdogf

$$-18 + (x + 1) f(x)$$

Sequence: A010935
Score: 12.6739
Type of gen. func.: ogf_with_Euler_transform]

[19 - 19 x]

Sequence: A010935

Score: 20.3282
Type of gen. func.: lgdogf

-19 + (x + 1) f(x)

Sequence: A010936
Score: 14.5879
Type of gen. func.: ogf_with_Euler_transform]

[20 - 20 x]

Sequence: A010936
Score: 23.4863
Type of gen. func.: lgdogf

-20 + (x + 1) f(x)

Sequence: A010936
Score: 3.21685
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (19 - n) a(n + 1), a(0) = 1, a(1) = 20}

Sequence: A010937
Score: 16.0168
Type of gen. func.: ogf_with_Euler_transform]

[21 - 21 x]

Sequence: A010937
Score: 25.8323
Type of gen. func.: lgdogf

-21 + (x + 1) f(x)

Sequence: A010937
Score: 3.52845
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (20 - n) a(n + 1), a(0) = 1, a(1) = 21}

Sequence: A010938
Score: 17.2023
Type of gen. func.: ogf_with_Euler_transform]

[22 - 22 x]

Sequence: A010938
Score: 27.7715
Type of gen. func.: lgdogf

-22 + (x + 1) f(x)

Sequence: A010938
Score: 3.78625
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (21 - n) a(n + 1), a(0) = 1, a(1) = 22}

Sequence: A010939
Score: 19.2219
Type of gen. func.: ogf_with_Euler_transform]

[23 - 23 x]

Sequence: A010939
Score: 31.0995
Type of gen. func.: lgdogf

-23 + (x + 1) f(x)

Sequence: A010939
Score: 4.22741
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (22 - n) a(n + 1), a(0) = 1, a(1) = 23}

Sequence: A010940
Score: 21.1410
Type of gen. func.: ogf_with_Euler_transform]

[24 - 24 x]

Sequence: A010940
Score: 34.2581
Type of gen. func.: lgdogf

-24 + (x + 1) f(x)

Sequence: A010940
Score: 4.64612
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (23 - n) a(n + 1), a(0) = 1, a(1) = 24}

Sequence: A010941
Score: 22.8120
Type of gen. func.: ogf_with_Euler_transform]

[25 - 25 x]

Sequence: A010941
Score: 37.0027
Type of gen. func.: lgdogf

-25 + (x + 1) f(x)

Sequence: A010941
Score: 5.01009
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (24 - n) a(n + 1), a(0) = 1, a(1) = 25}

Sequence: A010942
Score: 24.3649
Type of gen. func.: ogf_with_Euler_transform]

[26 - 26 x]

Sequence: A010942
Score: 39.5501
Type of gen. func.: lgdogf

-26 + (x + 1) f(x)

Sequence: A010942
Score: 5.34796
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (25 - n) a(n + 1), a(0) = 1, a(1) = 26}

Sequence: A010943
Score: 26.5100
Type of gen. func.: ogf_with_Euler_transform]

[27 - 27 x]

Sequence: A010943
Score: 43.0806
Type of gen. func.: lgdogf

-27 + (x + 1) f(x)

Sequence: A010943
Score: 5.81563
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (26 - n) a(n + 1), a(0) = 1, a(1) = 27}

Sequence: A010944
Score: 28.6859
Type of gen. func.: ogf_with_Euler_transform]

[28 - 28 x]

Sequence: A010944
Score: 46.6612
Type of gen. func.: lgdogf

-28 + (x + 1) f(x)

Sequence: A010944
Score: 6.28986
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (27 - n) a(n + 1), a(0) = 1, a(1) = 28}

Sequence: A010945
Score: 30.8913
Type of gen. func.: ogf_with_Euler_transform]

[29 - 29 x]

Sequence: A010945
Score: 50.2892
Type of gen. func.: lgdogf

-29 + (x + 1) f(x)

Sequence: A010945
Score: 6.77031
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (28 - n) a(n + 1), a(0) = 1, a(1) = 29}

Sequence: A010946
Score: 33.2726
Type of gen. func.: ogf_with_Euler_transform]

[30 - 30 x]

Sequence: A010946
Score: 54.2080
Type of gen. func.: lgdogf

-30 + (x + 1) f(x)

Sequence: A010946
Score: 7.28913
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (29 - n) a(n + 1), a(0) = 1, a(1) = 30}

Sequence: A010947
Score: 33.9658
Type of gen. func.: ogf_with_Euler_transform]

[31 - 31 x]

Sequence: A010947
Score: 55.3910
Type of gen. func.: lgdogf

-31 + (x + 1) f(x)

Sequence: A010947
Score: 7.44413
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (30 - n) a(n + 1), a(0) = 1, a(1) = 31}

Sequence: A010948
Score: 33.1017
Type of gen. func.: ogf_with_Euler_transform]

[32 - 32 x]

Sequence: A010948
Score: 54.0292
Type of gen. func.: lgdogf

-32 + (x + 1) f(x)

Sequence: A010948
Score: 7.26168
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (31 - n) a(n + 1), a(0) = 1, a(1) = 32}

Sequence: A010949
Score: 31.3491
Type of gen. func.: ogf_with_Euler_transform]

[33 - 33 x]

Sequence: A010949
Score: 51.1987
Type of gen. func.: lgdogf

-33 + (x + 1) f(x)

Sequence: A010949
Score: 6.88504
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (32 - n) a(n + 1), a(0) = 1, a(1) = 33}

Sequence: A010950
Score: 32.1888
Type of gen. func.: ogf_with_Euler_transform]

[34 - 34 x]

Sequence: A010950
Score: 52.5950
Type of gen. func.: lgdogf

-34 + (x + 1) f(x)

Sequence: A010950
Score: 7.06946
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (33 - n) a(n + 1), a(0) = 1, a(1) = 34}

Sequence: A010951
Score: 30.9514
Type of gen. func.: ogf_with_Euler_transform]

[35 - 35 x]

Sequence: A010951
Score: 50.5824
Type of gen. func.: lgdogf

-35 + (x + 1) f(x)

Sequence: A010951
Score: 6.80216
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (34 - n) a(n + 1), a(0) = 1, a(1) = 35}

Sequence: A010952
Score: 31.3660
Type of gen. func.: ogf_with_Euler_transform]

[36 - 36 x]

Sequence: A010952
Score: 51.2722
Type of gen. func.: lgdogf

-36 + (x + 1) f(x)

Sequence: A010952
Score: 6.89326
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (35 - n) a(n + 1), a(0) = 1, a(1) = 36}

Sequence: A010953
Score: 30.5370
Type of gen. func.: ogf_with_Euler_transform]

[37 - 37 x]

Sequence: A010953
Score: 49.9408
Type of gen. func.: lgdogf

-37 + (x + 1) f(x)

Sequence: A010953
Score: 6.71588
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (36 - n) a(n + 1), a(0) = 1, a(1) = 37}

Sequence: A010954
Score: 31.0823
Type of gen. func.: ogf_with_Euler_transform]

[38 - 38 x]

Sequence: A010954
Score: 50.8488
Type of gen. func.: lgdogf

-38 + (x + 1) f(x)

Sequence: A010954
Score: 6.83580
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (37 - n) a(n + 1), a(0) = 1, a(1) = 38}

Sequence: A010955
Score: 31.2186

Type of gen. func.: ogf_with_Euler_transform]

[39 - 39 x]

Sequence: A010955
Score: 51.0758
Type of gen. func.: lgdogf

-39 + (x + 1) f(x)

Sequence: A010955
Score: 6.86578
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (38 - n) a(n + 1), a(0) = 1, a(1) = 39}

Sequence: A010956
Score: 29.9697
Type of gen. func.: ogf_with_Euler_transform]

[40 - 40 x]

Sequence: A010956
Score: 49.0480
Type of gen. func.: lgdogf

-40 + (x + 1) f(x)

Sequence: A010956
Score: 6.59636
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (39 - n) a(n + 1), a(0) = 1, a(1) = 40}

Sequence: A010957
Score: 30.6416
Type of gen. func.: ogf_with_Euler_transform]

[41 - 41 x]

Sequence: A010957
Score: 50.1678
Type of gen. func.: lgdogf

$$-41 + (x + 1) f(x)$$

Sequence: A010957
Score: 6.74426
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (40 - n) a(n + 1), a(0) = 1, a(1) = 41\}$$

Sequence: A010958
Score: 30.9104
Type of gen. func.: ogf_with_Euler_transform]

$$[42 - 42 x]$$

Sequence: A010958
Score: 50.6158
Type of gen. func.: lgdogf

$$-42 + (x + 1) f(x)$$

Sequence: A010958
Score: 6.80342
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (41 - n) a(n + 1), a(0) = 1, a(1) = 42\}$$

Sequence: A010959
Score: 31.3136
Type of gen. func.: ogf_with_Euler_transform]

$$[43 - 43 x]$$

Sequence: A010959

Score: 51.2877
Type of gen. func.: lgdogf

$$-43 + (x + 1) f(x)$$

Sequence: A010959
Score: 6.89216
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (42 - n) a(n + 1), a(0) = 1, a(1) = 43\}$$

Sequence: A010960
Score: 29.6510
Type of gen. func.: ogf_with_Euler_transform]

$$[44 - 44 x]$$

Sequence: A010960
Score: 48.5735
Type of gen. func.: lgdogf

$$-44 + (x + 1) f(x)$$

Sequence: A010960
Score: 6.53201
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (43 - n) a(n + 1), a(0) = 1, a(1) = 44\}$$

Sequence: A010961
Score: 29.9157
Type of gen. func.: ogf_with_Euler_transform]

$$[45 - 45 x]$$

Sequence: A010961
Score: 49.0151
Type of gen. func.: lgdogf

$$-45 + (x + 1) f(x)$$

Sequence: A010961
Score: 6.59033
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (44 - n) a(n + 1), a(0) = 1, a(1) = 45}

Sequence: A010962
Score: 30.3128
Type of gen. func.: ogf_with_Euler_transform]

[46 - 46 x]

Sequence: A010962
Score: 49.6774
Type of gen. func.: lgdogf

-46 + (x + 1) f(x)

Sequence: A010962
Score: 6.67781
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (45 - n) a(n + 1), a(0) = 1, a(1) = 46}

Sequence: A010963
Score: 28.2640
Type of gen. func.: ogf_with_Euler_transform]

[47 - 47 x]

Sequence: A010963
Score: 46.3202
Type of gen. func.: lgdogf

-47 + (x + 1) f(x)

Sequence: A010963
Score: 6.23265
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (46 - n) a(n + 1), a(0) = 1, a(1) = 47\}$$

Sequence: A010964
Score: 28.6548
Type of gen. func.: ogf_with_Euler_transform]

$$[48 - 48 x]$$

Sequence: A010964
Score: 46.9726
Type of gen. func.: lgdogf

$$-48 + (x + 1) f(x)$$

Sequence: A010964
Score: 6.31881
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (47 - n) a(n + 1), a(0) = 1, a(1) = 48\}$$

Sequence: A010965
Score: 5.22044
Type of gen. func.: ogf

$$-\frac{1}{(x - 1)^{13}}$$

Sequence: A010965
Score: 54.5984
Type of gen. func.: lgdogf

$$-13 + (1 - x) f(x)$$

Sequence: A010965
Score: 7.33817

Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (14 + n) a(n + 1), a(0) = 1, a(1) = 13}

Sequence: A010966
Score: 53.5532
Type of gen. func.: lgdogf

-14 + (1 - x) f(x)

Sequence: A010966
Score: 7.19881
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (15 + n) a(n + 1), a(0) = 1, a(1) = 14}

Sequence: A010967
Score: 55.2193
Type of gen. func.: lgdogf

-15 + (1 - x) f(x)

Sequence: A010967
Score: 7.41886
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (16 + n) a(n + 1), a(0) = 1, a(1) = 15}

Sequence: A010968
Score: 53.4397
Type of gen. func.: lgdogf

-16 + (1 - x) f(x)

Sequence: A010968
Score: 7.18244
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (17 + n) a(n + 1), a(0) = 1, a(1) = 16}

Sequence: A010969
Score: 55.0876
Type of gen. func.: lgdogf

$$-17 + (1 - x) f(x)$$

Sequence: A010969
Score: 7.40009
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (18 + n) a(n + 1), a(0) = 1, a(1) = 17\}$$

Sequence: A010970
Score: 53.0605
Type of gen. func.: lgdogf

$$-18 + (1 - x) f(x)$$

Sequence: A010970
Score: 7.13093
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (19 + n) a(n + 1), a(0) = 1, a(1) = 18\}$$

Sequence: A010971
Score: 54.2241
Type of gen. func.: lgdogf

$$-19 + (1 - x) f(x)$$

Sequence: A010971
Score: 7.28462
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (20 + n) a(n + 1), a(0) = 1, a(1) = 19\}$$

Sequence: A010972

Score: 51.2722
Type of gen. func.: lgdogf

$$-20 + (1 - x) f(x)$$

Sequence: A010972
Score: 6.89326
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (21 + n) a(n + 1), a(0) = 1, a(1) = 20\}$$

Sequence: A010973
Score: 52.6517
Type of gen. func.: lgdogf

$$-21 + (1 - x) f(x)$$

Sequence: A010973
Score: 7.07546
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (22 + n) a(n + 1), a(0) = 1, a(1) = 21\}$$

Sequence: A010974
Score: 54.0312
Type of gen. func.: lgdogf

$$-22 + (1 - x) f(x)$$

Sequence: A010974
Score: 7.25766
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (23 + n) a(n + 1), a(0) = 1, a(1) = 22\}$$

Sequence: A010975
Score: 50.8488
Type of gen. func.: lgdogf

$$-23 + (1 - x) f(x)$$

Sequence: A010975
Score: 6.83580
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (24 + n) a(n + 1), a(0) = 1, a(1) = 23\}$$

Sequence: A010976
Score: 51.0758
Type of gen. func.: lgdogf

$$-24 + (1 - x) f(x)$$

Sequence: A010976
Score: 6.86578
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (25 + n) a(n + 1), a(0) = 1, a(1) = 24\}$$

Sequence: A010977
Score: 52.6648
Type of gen. func.: lgdogf

$$-25 + (1 - x) f(x)$$

Sequence: A010977
Score: 7.07566
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (26 + n) a(n + 1), a(0) = 1, a(1) = 25\}$$

Sequence: A010978
Score: 53.5728
Type of gen. func.: lgdogf

$$-26 + (1 - x) f(x)$$

Sequence: A010978
Score: 7.19558
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (27 + n) a(n + 1), a(0) = 1, a(1) = 26}

Sequence: A010979
Score: 49.9439
Type of gen. func.: lgdogf

-27 + (1 - x) f(x)

Sequence: A010979
Score: 6.71468
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (28 + n) a(n + 1), a(0) = 1, a(1) = 27}

Sequence: A010980
Score: 50.6158
Type of gen. func.: lgdogf

-28 + (1 - x) f(x)

Sequence: A010980
Score: 6.80342
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (29 + n) a(n + 1), a(0) = 1, a(1) = 28}

Sequence: A010981
Score: 51.5116
Type of gen. func.: lgdogf

-29 + (1 - x) f(x)

Sequence: A010981
Score: 6.92175
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (30 + n) a(n + 1), a(0) = 1, a(1) = 29}

Sequence: A010982
Score: 51.9595
Type of gen. func.: lgdogf

-30 + (1 - x) f(x)

Sequence: A010982
Score: 6.98091
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (31 + n) a(n + 1), a(0) = 1, a(1) = 30}

Sequence: A010983
Score: 52.8554
Type of gen. func.: lgdogf

-31 + (1 - x) f(x)

Sequence: A010983
Score: 7.09923
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (32 + n) a(n + 1), a(0) = 1, a(1) = 31}

Sequence: A010984
Score: 49.2359
Type of gen. func.: lgdogf

-32 + (1 - x) f(x)

Sequence: A010984
Score: 6.61949
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (33 + n) a(n + 1), a(0) = 1, a(1) = 32}

Sequence: A010985
Score: 49.4566
Type of gen. func.: lgdogf

-33 + (1 - x) f(x)

Sequence: A010985
Score: 6.64865
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (34 + n) a(n + 1), a(0) = 1, a(1) = 33}

Sequence: A010986
Score: 49.8982
Type of gen. func.: lgdogf

-34 + (1 - x) f(x)

Sequence: A010986
Score: 6.70697
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (35 + n) a(n + 1), a(0) = 1, a(1) = 34}

Sequence: A010987
Score: 50.7814
Type of gen. func.: lgdogf

-35 + (1 - x) f(x)

Sequence: A010987
Score: 6.82361
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (36 + n) a(n + 1), a(0) = 1, a(1) = 35}

Sequence: A010988
Score: 51.0022
Type of gen. func.: lgdogf

-36 + (1 - x) f(x)

Sequence: A010988
Score: 6.85277
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (37 + n) a(n + 1), a(0) = 1, a(1) = 36}

Sequence: A010989
Score: 51.2229
Type of gen. func.: lgdogf

-37 + (1 - x) f(x)

Sequence: A010989
Score: 6.88193
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (38 + n) a(n + 1), a(0) = 1, a(1) = 37}

Sequence: A010990
Score: 52.3269
Type of gen. func.: lgdogf

-38 + (1 - x) f(x)

Sequence: A010990
Score: 7.02775
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (39 + n) a(n + 1), a(0) = 1, a(1) = 38}

Sequence: A010991
Score: 52.7685
Type of gen. func.: lgdogf

-39 + (1 - x) f(x)

Sequence: A010991
Score: 7.08607
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (40 + n) a(n + 1), a(0) = 1, a(1) = 39}

Sequence: A010992
Score: 48.4949
Type of gen. func.: lgdogf

-40 + (1 - x) f(x)

Sequence: A010992
Score: 6.51987
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (41 + n) a(n + 1), a(0) = 1, a(1) = 40}

Sequence: A010993
Score: 49.3647
Type of gen. func.: lgdogf

-41 + (1 - x) f(x)

Sequence: A010993
Score: 6.63475
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (42 + n) a(n + 1), a(0) = 1, a(1) = 41}

Sequence: A010994
Score: 49.7996
Type of gen. func.: lgdogf

-42 + (1 - x) f(x)

Sequence: A010994
Score: 6.69220
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (43 + n) a(n + 1), a(0) = 1, a(1) = 42}

Sequence: A010995
Score: 49.7996
Type of gen. func.: lgdogf

-43 + (1 - x) f(x)

Sequence: A010995
Score: 6.69220
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (44 + n) a(n + 1), a(0) = 1, a(1) = 43}

Sequence: A010996
Score: 50.4520
Type of gen. func.: lgdogf

-44 + (1 - x) f(x)

Sequence: A010996
Score: 6.77837
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (45 + n) a(n + 1), a(0) = 1, a(1) = 44}

Sequence: A010997
Score: 51.3219
Type of gen. func.: lgdogf

-45 + (1 - x) f(x)

Sequence: A010997
Score: 6.89325
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (46 + n) a(n + 1), a(0) = 1, a(1) = 45}

Sequence: A010998
Score: 51.3219
Type of gen. func.: lgdogf

$$-46 + (1 - x) f(x)$$

Sequence: A010998
Score: 6.89325
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (47 + n) a(n + 1), a(0) = 1, a(1) = 46\}$$

Sequence: A010999
Score: 51.9743
Type of gen. func.: lgdogf

$$-47 + (1 - x) f(x)$$

Sequence: A010999
Score: 6.97942
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (48 + n) a(n + 1), a(0) = 1, a(1) = 47\}$$

Sequence: A011000
Score: 52.1918
Type of gen. func.: lgdogf

$$-48 + (1 - x) f(x)$$

Sequence: A011000
Score: 7.00814
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (49 + n) a(n + 1), a(0) = 1, a(1) = 48\}$$

Sequence: A011001
Score: 47.7177

Type of gen. func.: lgdogf

$$-49 + (1 - x) f(x)$$

Sequence: A011001
Score: 6.41539
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (50 + n) a(n + 1), a(0) = 1, a(1) = 49\}$$

Sequence: A011195
Score: 15.2159
Type of gen. func.: lgdogf

$$-\frac{5 (3 x^2 + 14 x + 7)}{(x - 1) (5 x^2 + 15 x + 4)}$$

Sequence: A011195
Score: 4.01803
Type of gen. func.: ogf

$$\{(12 + 4 n) a(n + 4) + (-13 + 11 n) a(n + 3) + (-80 - 10 n) a(n + 2)$$

$$+ (-15 - 5 n) a(n + 1), a(0) = 0, a(1) = 4, a(2) = 35, a(3) = 140\}$$

Sequence: A011195
Score: 9.75808
Type of gen. func.: ogf

$$-\frac{x (5 x^2 + 15 x + 4)}{(x - 1)^5}$$

Sequence: A011197
Score: 10.3719
Type of gen. func.: lgdogf

$$-\frac{21 x^3 + 205 x^2 + 287 x + 63}{\quad}$$

$$(x - 1) (7 x^3 + 46 x^2 + 39 x + 4)$$

Sequence: A011197
Score: 7.51591
Type of gen. func.: ogf

$$\frac{5 x (7 x^3 + 46 x^2 + 39 x + 4)}{(x - 1)^6}$$

Sequence: A011199
Score: 11.4763
Type of gen. func.: ogf

$$\frac{15 x^2 + 20 x + 1}{(x - 1)^4}$$

Sequence: A011199
Score: 15.0567
Type of gen. func.: lgdogf

$$- \frac{6 (5 x^2 + 15 x + 4)}{(x - 1) (15 x^2 + 20 x + 1)}$$

Sequence: A011199
Score: 3.93633
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (33 + 19 n) a(n + 3) + (-100 - 5 n) a(n + 2)$$

$$+ (-45 - 15 n) a(n + 1), a(0) = 1, a(1) = 24, a(2) = 105, a(3) = 280\}$$

Sequence: A011199
Score: 5.50554
Type of gen. func.: ogf

$$(126840168 f(x) + 1962990571)$$

$$(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - 4\,f(x)\,x - 15\,x^2 + f(x) - 20\,x - 1)$$

Sequence: A011245
Score: 10.0601
Type of gen. func.: lgdogf

$$-\frac{30\,(7\,x^3 + 46\,x^2 + 39\,x + 4)}{(x - 1)\,(105\,x^3 + 355\,x^2 + 115\,x + 1)}$$

Sequence: A011245
Score: 6.30600
Type of gen. func.: ogf

$$-\frac{105\,x^3 + 355\,x^2 + 115\,x + 1}{(x - 1)^5}$$

Sequence: A011270
Score: 34.0505
Type of gen. func.: revogf

$$\frac{x\,(x^2 - 3\,x + 1)}{(x - 1)^2}$$

Sequence: A011270
Score: 7.66078
Type of gen. func.: ogf

$$-x^2\,f(x)^3 + f(x)^2\,x^2 + 3\,f(x)^2\,x - 2\,f(x)\,x - f(x) + 1$$

Sequence: A011272
Score: 4.95084
Type of gen. func.: ogf

2   3   2 2   2

$$x f(x) + f(x) x + 4 f(x) x + 3 f(x) x - f(x) + x$$

Sequence: A011365
Score: 7.8968
Type of gen. func.: ogf

$$-f(x)^3 - f(x)^2 x + f(x)^2 - f(x) x - x^2$$

Sequence: A011367
Score: 4.54008
Type of gen. func.: ogf

$$(8 f(x) - 3) (f(x) x^4 + 4 f(x) x^3 + 5 f(x) x^2 - x^3 + 2 f(x) x - x^2 - f(x) + 1)$$

Sequence: A011367
Score: 8.27164
Type of gen. func.: ogf

$$\frac{x^3 + x^2 - 1}{x^4 + 4 x^3 + 5 x^2 + 2 x - 1}$$

Sequence: A011367
Score: 8.69290
Type of gen. func.: lgdogf

$$-\frac{(x^2 + x + 1) (x^4 + x^3 - 3 x^2 - 6 x - 2)}{(x^3 + x^2 - 1) (x^4 + 4 x^3 + 5 x^2 + 2 x - 1)}$$

Sequence: A011369
Score: 7.34116
Type of gen. func.: ogf

$$-\frac{x^2 (2 x^6 - x^4 + 7 x^3 - 2 x^2 - x - 1)}{(x - 1) (x^2 + x - 1) (x^4 - x^3 + 2 x^2 + x + 1)}$$

Sequence: A011377
Score: 12.5883
Type of gen. func.: ogf

$$-\frac{1}{(x+1)(2x-1)(x-1)^{2}}$$

Sequence: A011377
Score: 16.7620
Type of gen. func.: lgdogf

$$-\frac{8x^{2}-x-3}{(x-1)(2x-1)(x+1)}$$

Sequence: A011377
Score: 7.72974
Type of gen. func.: ogf

$$(313 f(x) - 320) (2 f(x) x^{4} - 3 f(x) x^{3} - f(x) x^{2} + 3 f(x) x - f(x) + 1)$$

Sequence: A011379
Score: 11.5207
Type of gen. func.: ogf

$$\frac{2x(2x+1)}{(x-1)^{4}}$$

Sequence: A011379
Score: 33.5353
Type of gen. func.: lgdogf

$$-\frac{6(x+1)}{(2x+1)(x-1)}$$

Sequence: A011379
Score: 4.99229
Type of gen. func.: ogf

$$\{(n + 2) a(n + 3) + (-5 + n) a(n + 2) + (-6 - 2 n) a(n + 1), a(0) = 0, a(1) = 2, a(2) = 12\}$$

Sequence: A011379
Score: 5.54698
Type of gen. func.: ogf

$$-(2565 f(x) + 6151) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 4 x^2 + f(x) - 2 x)$$

Sequence: A011531
Score: 7.43456
Type of gen. func.: lgdogf

$$\frac{144 x^{20} - 143 x^{19} - 19 x^{18} - 80 x^{12} + 87 x^{11} + 11 x^{10} - 8 x + 10}{(x - 1) (8 x^{20} + x^{19} - 8 x^{12} - x^{11} + 8 x^2 - 8 x - 1)}$$

Sequence: A011531
Score: 8.69896
Type of gen. func.: ogf

$$-\frac{8 x^{20} + x^{19} - 8 x^{12} - x^{11} + 8 x^2 - 8 x - 1}{(x - 1)^2}$$

Sequence: A011557
Score: 11.7778
Type of gen. func.: ogf

$$\{a(n + 1) - 10 a(n), a(0) = 1\}$$

Sequence: A011557
Score: 14.8624
Type of gen. func.: ogf

$$-10 f(x) x + f(x) - 1$$

Sequence: A011557
Score: 28.3737
Type of gen. func.: ogf

$$-\frac{1}{10 x - 1}$$

Sequence: A011557
Score: 40.8296
Type of gen. func.: revegf]

$$1/10 \ln(1 + 10 x)$$

Sequence: A011557
Score: 47.1110
Type of gen. func.: lgdogf

$$-\frac{10}{10 x - 1}$$

Sequence: A011558
Score: 14.7548
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^2 + 1)}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A011558
Score: 27.2186
Type of gen. func.: ogf_with_Euler_transform]

$$[x^4 - x^3 + 1]$$

Sequence: A011558
Score: 9.18840
Type of gen. func.: lgdogf

$$-\frac{2x^7+3x^6+4x^5+5x^4+3x^2+2x+1}{(x-1)(x+1)(x^2+1)(x^4+x^3+x^2+x+1)}$$

Sequence: A011558
Score: 9.89059
Type of gen. func.: ogf

$$-(f(x)+1)(f(x)x^5+x^4+x^3+x^2-f(x)+x)$$

Sequence: A011582
Score: 4.48006
Type of gen. func.: ogf

$$\frac{x(x^8+x^6+2x^5+3x^4+2x^3+x^2+1)}{x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1}$$

Sequence: A011632
Score: 5.98488
Type of gen. func.: lgdogf

$$-\frac{2x}{x^2+1}$$

Sequence: A011634
Score: 4.93145
Type of gen. func.: ogf_with_Euler_transform]

$$x^6+x^4-1$$

Sequence: A011638
Score: 5.16447

Type of gen. func.: ogf_with_Euler_transform]

$$x^{20} + x^{8} - x^{2}$$

Sequence: A011639
Score: 10.7103
Type of gen. func.: ogf_with_Euler_transform]

$$x^{12} + x^{4} - 1$$

Sequence: A011642
Score: 12.9654
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^{6} - 1$$

Sequence: A011644
Score: 15.1106
Type of gen. func.: ogf_with_Euler_transform]

$$x^{16} + x^{4} - 1$$

Sequence: A011644
Score: 5.05566
Type of gen. func.: ogf

$$- 1/((x - 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1))$$

Sequence: A011647
Score: 15.2535
Type of gen. func.: ogf_with_Euler_transform]

$$x^{18} + x^{4} - 1$$

Sequence: A011647
Score: 5.10088
Type of gen. func.: ogf

$$- 1/((x - 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{18} + x^{17} + x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1))$$

Sequence: A011653
Score: 21.9390
Type of gen. func.: ogf_with_Euler_transform]

$$x^{22} + x^{4} - 1$$

Sequence: A011653
Score: 7.01947
Type of gen. func.: ogf

$$- 1/((x - 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{22} + x^{21} + x^{20} + x^{19} + x^{18} + x^{17} + x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1))$$

Sequence: A011654
Score: 22.6696
Type of gen. func.: ogf_with_Euler_transform]

$$x^{16} + x^{6} - 1$$

Sequence: A011654
Score: 5.32525
Type of gen. func.: ogf

$$- 1/((x - 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1))$$

Sequence: A011655
Score: 11.0454
Type of gen. func.: ogf

$$\{-a(n+3)+a(n),\ a(0)=0,\ a(1)=1,\ a(2)=1\}$$

Sequence: A011655
Score: 11.6677
Type of gen. func.: ogf

$$(f(x)+1)\,(f(x)\,x^{3}+x^{2}-f(x)+x)$$

Sequence: A011655
Score: 18.4090
Type of gen. func.: ogf

$$-\frac{(x+1)\,x}{(x-1)\,(x^{2}+x+1)}$$

Sequence: A011655
Score: 25.5968
Type of gen. func.: lgdogf

$$-\frac{2\,x^{3}+3\,x^{2}+1}{(x-1)\,(x+1)\,(x^{2}+x+1)}$$

Sequence: A011655
Score: 28.5069
Type of gen. func.: ogf_with_Euler_transform]

$$[x^{2}-x+1]$$

Sequence: A011656
Score: 10.9290
Type of gen. func.: lgdogf

$$-\frac{x\,(3\,x^{9}+4\,x^{8}+5\,x^{7}+7\,x^{5}+4\,x^{2}+3\,x+2)}{(x-1)\,(x^{4}+x^{3}+x^{2}+1)\,(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)}$$

Sequence: A011656
Score: 12.0287
Type of gen. func.: ogf

$$-\frac{x^{2}\,(x^{4}+x^{3}+x^{2}+1)}{(x-1)\,(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)}$$

Sequence: A011657
Score: 8.22682
Type of gen. func.: lgdogf

$$-\frac{3\,x^{10}+5\,x^{8}+6\,x^{7}+7\,x^{6}+4\,x^{3}+2\,x+1}{(x-1)\,(x^{4}+x^{2}+x+1)\,(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)}$$

Sequence: A011657
Score: 8.78889
Type of gen. func.: ogf

$$-\frac{x^{2}\,(x^{4}+x^{2}+x+1)}{(x-1)\,(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)}$$

Sequence: A011658
Score: 10.4032
Type of gen. func.: ogf

$$-\frac{x^{3}\,(x+1)}{(x-1)\,(x^{4}+x^{3}+x^{2}+x+1)}$$

Sequence: A011658
Score: 15.0533
Type of gen. func.: lgdogf

$$-\frac{4x^5+5x^4+1}{(x^4+x^3+x^2+x+1)(x-1)(x+1)}$$

Sequence: A011658
Score: 17.5281
Type of gen. func.: ogf_with_Euler_transform]

$$[x^4-x+1]$$

Sequence: A011658
Score: 9.61804
Type of gen. func.: ogf

$$-f(x)\,x^5-x^4-x^3+f(x)$$

Sequence: A011659
Score: 5.52569
Type of gen. func.: ogf

$$-x^3\,(x^{11}+x^8+x^7+x^5+x^3+x^2+x+1)\;/\;((x-1)(x^4+x^3+x^2+x+1)(x^2+x+1)(x^8-x^7+x^5-x^4+x^3-x+1))$$

Sequence: A011671
Score: 4.81699
Type of gen. func.: ogf

$$-x^5\,(x^{15}+x^{14}+x^{12}+x^9+x^8+x^5+x^2+1)\;/\;((x-1)(x^6+x^5+x^4+x^3+x^2+x+1)(x^2+x+1)(x^{12}-x^{11}+x^9-x^8+x^6-x^4+x^3-x+1))$$

Sequence: A011672
Score: 10.5598
Type of gen. func.: lgdogf

$$-\frac{3x^2(2x^9+3x^6+1)}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)(x^6+x^3+1)}$$

Sequence: A011672
Score: 13.5445
Type of gen. func.: ogf_with_Euler_transform]

$$x^8-x^5+x^2$$

Sequence: A011672
Score: 9.14763
Type of gen. func.: ogf

$$-\frac{x^5(x+1)(x^2-x+1)}{(x-1)(x^2+x+1)(x^6+x^3+1)}$$

Sequence: A011693
Score: 5.65722
Type of gen. func.: ogf

$$-x^7(x+1)(x^8-x^7+x^6+x^4+x^2-x+1) \Big/ ((x-1)(x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1))$$

Sequence: A011707
Score: 5.67191
Type of gen. func.: ogf

$$-x^7(x+1)(x^8+x^5-x^4+x^3+1) \Big/ ((x-1)(x^{16}+x^{15}+x^{14}+x^{13}+x^{12}$$

11 10 9 8 7 6 5 4 3 2

$+ x + x + x + x + x + x + x + x + x + x + x + 1))$

Sequence: A011733
Score: 3.70539
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^{36} - 2 x^{22} - 3 x^{19} - x^{11} - x^{8} - x^{5} - x^{2}}{-x^{23} + 2 x^{20} + 2 x^{17} + x^{9} + x^{6} + x^{3} + 1}$$

Sequence: A011734
Score: 3.72473
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^{26} - 4 x^{24} - 2 x^{22} - x^{20} - x^{7} - x^{5} - x^{3} - x}{2 x^{25} + 3 x^{23} + 2 x^{21} + x^{6} + x^{4} + x^{2} + 1}$$

Sequence: A011741
Score: 6.81458
Type of gen. func.: ogf

$$\frac{x^{27} (x + 1) (x^{2} - x + 1)}{(x - 1) (x^{2} + x + 1) (x^{28} - x^{3} - 1)}$$

Sequence: A011742
Score: 7.45146
Type of gen. func.: ogf

$$\frac{x^{28} (x^{2} + 1)}{(x - 1) (x + 1) (x^{29} - x^{2} - 1)}$$

Sequence: A011744
Score: 6.68720
Type of gen. func.: ogf

$$\frac{x^{30}(x+1)(x^2-x+1)}{(x-1)(x^2+x+1)(x^{31}-x^3-1)}$$

Sequence: A011745
Score: 6.06131
Type of gen. func.: ogf

$$\frac{x^{31}(x+1)}{(x-1)(x^{32}-x^{28}-x^{27}-x-1)}$$

Sequence: A011760
Score: 14.1604
Type of gen. func.: ogf

$$-\frac{x^{13}-x^{12}-1}{(x-1)^2}$$

Sequence: A011760
Score: 17.4167
Type of gen. func.: lgdogf

$$\frac{11x^{13}-23x^{12}+12x^{11}+2}{(x-1)(x^{13}-x^{12}-1)}$$

Sequence: A011761
Score: 12.5058
Type of gen. func.: ogf

$$-\frac{4x^2+1}{x^3+x-1}$$

Sequence: A011761

Score: 15.7486
Type of gen. func.: lgdogf

$$-\frac{4x^4 - x^2 + 8x + 1}{(4x^2 + 1)(x^3 + x - 1)}$$

Sequence: A011761
Score: 6.38314
Type of gen. func.: ogf

$$-(27 f(x) - 673)(f(x) x^3 + f(x) x + 4x^2 - f(x) + 1)$$

Sequence: A011761
Score: 6.51896
Type of gen. func.: ogf

$$\{a(n+3) - a(n+2) - a(n), a(0) = 1, a(1) = 1, a(2) = 5\}$$

Sequence: A011763
Score: 11.6136
Type of gen. func.: ogf

$$-\frac{366x^3 + 365x^2 + 365x + 365}{(x-1)(x+1)(x^2+1)}$$

Sequence: A011763
Score: 7.17863
Type of gen. func.: lgdogf

$$-\frac{366x^6 + 730x^5 + 1095x^4 + 1460x^3 + 1098x^2 + 730x + 365}{(x-1)(x+1)(x^2+1)(366x^3 + 365x^2 + 365x + 365)}$$

Sequence: A011763
Score: 7.2585
Type of gen. func.: ogf

$$(533630 f(x) - 290561169) (f(x) x^4 + 366 x^3 + 365 x^2 - f(x) + 365 x + 365)$$

Sequence: A011763
Score: 7.86338
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n), a(0) = 365, a(1) = 365, a(2) = 365, a(3) = 366\}$$

Sequence: A011765
Score: 19.3591
Type of gen. func.: ogf

$$- \frac{x^3}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A011765
Score: 32.9486
Type of gen. func.: ogf_with_Euler_transform]

$$[x^3]$$

Sequence: A011765
Score: 33.5304
Type of gen. func.: lgdogf

$$- \frac{4 x^3}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A011765
Score: 6.60488
Type of gen. func.: ogf

$$\{a(n + 4) - a(n), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$$

Sequence: A011765
Score: 8.91135
Type of gen. func.: ogf

$$-f(x) (f(x) x^4 + x^3 - f(x))$$

Sequence: A011769
Score: 7.04072
Type of gen. func.: ogf

$$- \frac{3 x^5 - 3 x^4 - 9 x^3 + 3 x^2 + 3 x - 1}{(3 x - 1) (x + 1) (x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A011779
Score: 19.8855
Type of gen. func.: lgdogf

$$- \frac{3 (3 x^2 + x + 1)}{(x - 1) (x^2 + x + 1)}$$

Sequence: A011779
Score: 24.2654
Type of gen. func.: ogf_with_Euler_transform]

$$[2 x^2 + 3]$$

Sequence: A011779
Score: 3.68142
Type of gen. func.: ogf

$\{(-n - 4) a(n + 4) + 3 a(n + 3) + 3 a(n + 2) + (10 + n) a(n + 1), a(0) = 1,$

$a(1) = 3, a(2) = 6, a(3) = 12\}$

Sequence: A011779
Score: 7.18959
Type of gen. func.: ogf

$$-\frac{1}{(x^2+x+1)^2\,(x-1)^5}$$

Sequence: A011780
Score: 8.43536
Type of gen. func.: ogf

$$-\frac{1}{(x-1)^2\,(x+1)^2\,(2\,x-1)^3}$$

Sequence: A011781
Score: 15.5438
Type of gen. func.: egf]

$$-6\,f(x)^2\,x+f(x)^2-1$$

Sequence: A011781
Score: 34.0104
Type of gen. func.: revegf]

$$-\frac{x\,(-2+3\,x)}{2}$$

Sequence: A011781
Score: 51.0157
Type of gen. func.: lgdegf]

$$-\frac{3}{6\,x-1}$$

Sequence: A011781
Score: 7.94852
Type of gen. func.: ogf

$$\{(-6\,n-9)\,a(n+1)+a(n+2),\ a(0)=1,\ a(1)=3\}$$

Sequence: A011782
Score: 17.8557
Type of gen. func.: ogf

$$-2 f(x) x + f(x) + x - 1$$

Sequence: A011782
Score: 19.2781
Type of gen. func.: ogf

$$\frac{x - 1}{2 x - 1}$$

Sequence: A011782
Score: 27.9721
Type of gen. func.: revogf

$$1/2 + x - \frac{(4 x^{2} + 1)^{1/2}}{2}$$

Sequence: A011782
Score: 46.6201
Type of gen. func.: lgdogf

$$\frac{1}{(2 x - 1) (x - 1)}$$

Sequence: A011782
Score: 9.90678
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 1\}$$

Sequence: A011783
Score: 2.18069
Type of gen. func.: ogf

$$2$$

$$-(3 f(x) - 2) (f(x) x - 3 f(x) x + f(x) + 2 x - 1)$$

Sequence: A011783
Score: 4.31291
Type of gen. func.: ogf

$$-\frac{2 x - 1}{x^{2} - 3 x + 1}$$

Sequence: A011783
Score: 5.38209
Type of gen. func.: lgdogf

$$-\frac{2 x^{2} - 2 x + 1}{(2 x - 1) (x^{2} - 3 x + 1)}$$

Sequence: A011791
Score: 8.23387
Type of gen. func.: revogf

$$\frac{x}{x^{4} + 3 x^{3} + 4 x^{2} + 2 x + 1}$$

Sequence: A011795
Score: 15.0254
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{5} + x^{4} + x^{2} + x + 3$$

Sequence: A011795
Score: 5.30056
Type of gen. func.: ogf

$$-\frac{x^{5} (x^{2} - x + 1)}{(x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{5}}$$

Sequence: A011795
Score: 8.66500
Type of gen. func.: lgdogf

$$-\frac{7x^6 - 4x^5 + 9x^4 + 4x^3 + 4x^2 + 2x + 3}{(x - 1)(x^2 - x + 1)(x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A011797
Score: 6.52295
Type of gen. func.: lgdogf

$$-\frac{9x^8 - 5x^7 + 13x^6 + 6x^5 + 6x^4 + 6x^3 + 6x^2 + 4x + 4}{(x - 1)(x^2 - x + 1)(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A011800
Score: 14.2691
Type of gen. func.: lgdegf]

$$(-x^2 + 2x - 2) f(x) + (2x^2 - 4x + 2) f(x)^2$$

Sequence: A011819
Score: 5.19861
Type of gen. func.: ogf

$$-\frac{x^6 - 7x^5 + 19x^4 - 25x^3 + 23x^2 - 9x + 2}{(x - 1)^7}$$

Sequence: A011819
Score: 8.00421
Type of gen. func.: lgdogf

```
             6      5       4       3       2
            x  - 8 x  + 22 x  - 24 x  + 40 x  - 8 x + 5
        - ---------------------------------------------------
                 6      5       4       3       2
```

$$(x - 1) (x - 7 x + 19 x - 25 x + 23 x - 9 x + 2)$$

Sequence: A011826
Score: 16.8088
Type of gen. func.: lgdogf

$$-\frac{x^3 - 7 x^2 + 5 x - 3}{(x - 1) (x^3 - 5 x^2 + 5 x - 2)}$$

Sequence: A011826
Score: 3.88377
Type of gen. func.: ogf

$$\{(119 n^2 + 613 n + 750) a(n + 1) + (-198 n^2 - 720 n - 396) a(n + 2)$$
$$+ (79 n^2 + 227 n - 30) a(n + 3), a(0) = 2, a(1) = 3, a(2) = 5\}$$

Sequence: A011826
Score: 5.38626
Type of gen. func.: ogf

$$(f(x) + 1)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + x^3 - 4 f(x) x - 5 x^2 + f(x) + 5 x - 2)$$

Sequence: A011826
Score: 9.58334
Type of gen. func.: ogf

$$-\frac{x^3 - 5 x^2 + 5 x - 2}{(x - 1)^4}$$

Sequence: A011827
Score: 5.15275
Type of gen. func.: ogf

6 5 4 3 2

$$-\frac{x - 7 x + 25 x - 32 x + 26 x - 11 x + 2}{(x - 1)^{7}}$$

Sequence: A011827
Score: 7.80616
Type of gen. func.: lgdogf

$$-\frac{x^{6} - 8 x^{5} + 40 x^{4} - 28 x^{3} + 34 x^{2} - 14 x + 3}{(x - 1) (x^{6} - 7 x^{5} + 25 x^{4} - 32 x^{3} + 26 x^{2} - 11 x + 2)}$$

Sequence: A011842
Score: 4.61894
Type of gen. func.: ogf

$$\frac{x^{4} (x^{2} - x + 1) (x^{4} - x^{3} + x^{2} + 1)}{(x + 1) (x^{2} + 1) (x^{4} + 1) (x - 1)^{4}}$$

Sequence: A011848
Score: 14.5321
Type of gen. func.: ogf

$$-\frac{x^{3}}{(x^{2} + 1) (x - 1)^{3}}$$

Sequence: A011848
Score: 28.4408
Type of gen. func.: ogf_with_Euler_transform]

$$[x^{3} - x + 3]$$

Sequence: A011848
Score: 29.4382
Type of gen. func.: lgdogf

$$-\frac{5 x^2 - 2 x + 3}{(x - 1) (x^2 + 1)}$$

Sequence: A011848
Score: 4.29187
Type of gen. func.: ogf

$$\{(n + 3) a(n + 1) + (-n - 1) a(n + 2) + (n + 3) a(n + 3) + (-n - 1) a(n + 4),$$

$$a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$$

Sequence: A011848
Score: 7.07975
Type of gen. func.: ogf

$$f(x) x^5 - 3 f(x) x^4 + 4 f(x) x^3 - 4 f(x) x^2 + x^3 + 3 f(x) x - f(x)$$

Sequence: A011849
Score: 4.37041
Type of gen. func.: ogf

$$\frac{x^4 (x^2 - x + 1) (x^3 - x^2 + 1)}{(x^6 + x^3 + 1) (x - 1)^4}$$

Sequence: A011849
Score: 5.54105
Type of gen. func.: lgdogf

$$- (5 x^{11} - 13 x^{10} + 18 x^9 - 4 x^8 - 13 x^7 + 21 x^6 - 7 x^5 - x^4 + 3 x^3 + 3 x^2$$

$$- 3 x + 3) \Big/ ((x - 1) (x^2 - x + 1) (x^3 - x^2 + 1) (x^6 + x^3 + 1))$$

Sequence: A011853
Score: 6.32834
Type of gen. func.: lgdogf

$$-\frac{10 x^8 - 5 x^7 + 14 x^6 + 7 x^5 + 7 x^4 + 7 x^3 + 7 x^2 + 4 x + 5}{(x - 1) (x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A011858
Score: 11.1132
Type of gen. func.: ogf

$$-\frac{x^3 (x^2 + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A011858
Score: 12.1660
Type of gen. func.: lgdogf

$$-\frac{5 x^6 + 2 x^5 + 9 x^4 + 4 x^3 + 4 x^2 + 4 x + 2}{(x - 1) (x^2 + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A011858
Score: 23.0326
Type of gen. func.: ogf_with_Euler_transform]

$$[x^4 - x^3 + x + 2]$$

Sequence: A011860
Score: 11.0513
Type of gen. func.: ogf

$$-\frac{x^4 (x^2 + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A011860
Score: 25.6827
Type of gen. func.: ogf_with_Euler_transform]

$$x^6 - x^3 + x + 2$$

Sequence: A011860
Score: 9.35110
Type of gen. func.: lgdogf

$$-\frac{7 x^8 + 2 x^7 + 11 x^6 + 4 x^5 + 4 x^4 + 4 x^3 + 4 x^2 + 4 x + 2}{(x - 1) (x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A011861
Score: 10.2133
Type of gen. func.: lgdogf

$$-\frac{7 x^8 - 12 x^7 + 19 x^6 - 14 x^5 + 13 x^4 - 8 x^3 + 7 x^2 - 2 x + 2}{(x - 1) (x^2 + 1) (x^2 - x + 1) (x^4 + 1)}$$

Sequence: A011861
Score: 23.6474
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 - x^5 + x^2 + 2$$

Sequence: A011861
Score: 7.50721
Type of gen. func.: ogf

$$-\frac{x^4 (x^2 - x + 1)}{(x^2 + 1) (x^4 + 1) (x - 1)^3}$$

Sequence: A011862
Score: 11.0134
Type of gen. func.: ogf

4   4

$$-\frac{x (x + 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^3}$$

Sequence: A011862
Score: 23.4242
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 - x^7 + x^3 + 2$$

Sequence: A011862
Score: 7.63208
Type of gen. func.: lgdogf

$$-(7 x^{12} + 2 x^{11} + 2 x^{10} + 2 x^9 + 13 x^8 + 4 x^7 + 4 x^6 + 4 x^5 + 4 x^4 + 6 x^3 + 2 x^2 + 2 x + 2) \Big/ ((x - 1) (x^2 + x + 1) (x^6 + x^3 + 1) (x^4 + 1))$$

Sequence: A011863
Score: 16.8694
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 9 x^2 + 12 x + 5}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A011863
Score: 29.2462
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + x + 5$$

Sequence: A011863
Score: 9.09106
Type of gen. func.: ogf

$$x (x^2 + x + 1)$$

```
                               - ----------------
                                                5
                                 (x + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A011864
Score: 15.0010
Type of gen. func.: ogf_with_Euler_transform]


                         10    7    5    3    2
                        x   - x  - x  + x  + x  + x + 1



------------------------------------------------------------------------------

Sequence:  A011864
Score: 7.72889
Type of gen. func.: ogf


                              4   2             4
                             x  (x  - x + 1) (x  + 1)
        - ---------------------------------------------------------------
            10    9    8    7    6    5    4    3    2                 3
          (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A011865
Score: 15.1297
Type of gen. func.: ogf_with_Euler_transform]


                         11    9    5    4    2
                        x   - x  - x  + x  + x  + x + 1



------------------------------------------------------------------------------

Sequence:  A011865
Score: 5.83309
Type of gen. func.: ogf


                             4   4    3    2
                            x  (x  - x  + x  - x + 1)
                 - ---------------------------------------------
                     2        2             4    2             3
                   (x  + 1) (x  + x + 1) (x  - x  + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A011865
Score: 6.93540
Type of gen. func.: lgdogf


      12      11      10       9       8      7      6      5      4      2
- (7 x   - 6 x   + 9 x   - 12 x  + 14 x  - 4 x  + 8 x  - 6 x  + 3 x  + 2 x

                  /            2            4    3    2            2
```

$$+ 2 x + 1) / ((x - 1) (x + x + 1) (x - x + x - x + 1) (x + 1) (x^4 - x^2 + 1))$$

Sequence: A011866
Score: 10.7710
Type of gen. func.: ogf

$$- x^5 (x^2 + 1) (x^4 - x^2 + 1) / ((x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3)$$

Sequence: A011866
Score: 22.2873
Type of gen. func.: ogf_with_Euler_transform]

$$x^{12} - x^{11} + x^5 + 2$$

Sequence: A011867
Score: 12.6887
Type of gen. func.: lgdogf

$$- \frac{9 x^6 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{(x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A011867
Score: 15.5091
Type of gen. func.: ogf

$$- \frac{x^5}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A011867
Score: 35.2318
Type of gen. func.: ogf_with_Euler_transform]

$$[x^6 + 2]$$

Sequence: A011868
Score: 5.74964
Type of gen. func.: ogf

$$-x^5 (x^8 - x^6 + x^5 + x^3 - x^2 + 1) / ((x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^8 - x^7 + x^5 - x^4 + x^3 - x + 1) (x - 1)^3)$$

Sequence: A011870
Score: 7.67813
Type of gen. func.: ogf

$$-x^5 (x^2 - x + 1) (x^8 + 1) / ((x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3)$$

Sequence: A011871
Score: 10.1009
Type of gen. func.: ogf

$$-\frac{x^5 (x^2 - x + 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^3}$$

Sequence: A011871
Score: 8.65671
Type of gen. func.: lgdogf

$$-\frac{9 x^{10} - 8 x^9 + 11 x^8 + 2 x^7 + 2 x^6 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 1}{(x - 1) (x^2 + x + 1) (x^2 - x + 1) (x^6 + x^3 + 1)}$$

Sequence: A011871
Score: 9.12122
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(\frac{1}{x^{10}}+\frac{1}{x^{8}}+\frac{1}{x^{11}}+\frac{1}{x^{9}}+\frac{1}{x^{7}}+1\right)x^{11}}{(x+1)\,(x^{2}-x+1)}$$

Sequence: A011872
Score: 5.94696
Type of gen. func.: ogf

$$-x^{5}\,(x^{4}-x^{3}+x^{2}-x+1)\,(x^{8}+1)\Big/\Big((x^{18}+x^{17}+x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)\,(x-1)^{3}\Big)$$

Sequence: A011873
Score: 13.2208
Type of gen. func.: ogf_with_Euler_transform]

$$x^{19}-x^{17}-x^{9}+x^{8}+x^{4}+x+1$$

Sequence: A011874
Score: 5.56549
Type of gen. func.: ogf

$$-x^{6}\,(x^{12}-x^{10}+x^{9}+x^{3}-x^{2}+1)\Big/\Big((x^{2}+x+1)\,(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)\,(x^{12}-x^{11}+x^{9}-x^{8}+x^{6}-x^{4}+x^{3}-x+1)\,(x-1)^{3}\Big)$$

Sequence: A011875
Score: 10.0560
Type of gen. func.: ogf

$$-\frac{x^{6}\,(x^{2}-x+1)}{(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)\,(x-1)^{3}}$$

Sequence: A011878
Score: 4.99938
Type of gen. func.: ogf

$$-\frac{x^{6}\,(x^{4}-x^{3}+x^{2}-x+1)\,(x^{4}+1)\,(x^{8}-x^{4}+1)}{(x^{4}+x^{3}+x^{2}+x+1)\,(x^{20}+x^{15}+x^{10}+x^{5}+1)\,(x-1)^{3}}$$

Sequence: A011879
Score: 7.10250
Type of gen. func.: ogf

$$-(x^{4}-x^{3}+x^{2}-x+1)\,x^{6}\;/\;\left((x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)\,(x-1)^{3}\right)$$

Sequence: A011880
Score: 4.72817
Type of gen. func.: ogf

$$-\frac{x^{6}\,(x^{2}-x+1)\,(x^{16}-x^{13}+x^{11}+x^{5}-x^{3}+1)}{(x^{2}+x+1)\,(x^{6}+x^{3}+1)\,(x^{18}+x^{9}+1)\,(x-1)^{3}}$$

Sequence: A011883
Score: 8.51299
Type of gen. func.: ogf

$$-x^{6}\,(x^{2}-x+1)\,(x^{4}-x^{2}+1)\;/\;\left((x^{2}+x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{8}-x^{7}+x^{5}-x^{4}+x^{3}-x+1)\,(x-1)^{3}\right)$$

Sequence: A011886
Score: 10.4784
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^{6} + 3 x^{5} + 12 x^{4} + 11 x^{3} + 9 x^{2} + 6 x + 3)}{(x - 1) (x + 1) (2 x^{3} + 3 x + 1) (x^{2} + 1)}$$

Sequence: A011886
Score: 7.92263
Type of gen. func.: ogf

$$\frac{x^{3} (2 x^{3} + 3 x + 1)}{(x + 1) (x^{2} + 1) (x - 1)^{4}}$$

Sequence: A011887
Score: 5.32838
Type of gen. func.: ogf

$$\frac{x^{3} (2 x^{4} - x^{3} + 3 x^{2} + x + 1)}{(x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{4}}$$

Sequence: A011887
Score: 6.19732
Type of gen. func.: lgdogf

$$- \frac{8 x^{8} + x^{7} + 21 x^{6} + 19 x^{5} + 23 x^{4} + 20 x^{3} + 12 x^{2} + 12 x + 4}{(x - 1) (x^{4} + x^{3} + x^{2} + x + 1) (2 x^{4} - x^{3} + 3 x^{2} + x + 1)}$$

Sequence: A011888
Score: 13.3116
Type of gen. func.: lgdogf

$$- \frac{5 x^{3} + 11 x^{2} + 14 x + 6}{{}^{2}}$$

$$(x - 1) (x + 1) (x + x + 1)$$

Sequence: A011888
Score: 23.6258
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{2} + x + 6$$

Sequence: A011888
Score: 6.14543
Type of gen. func.: ogf

$$\frac{x (x^{2} + x + 1)}{(x + 1) (x - 1)^{6}}$$

Sequence: A011889
Score: 5.25564
Type of gen. func.: ogf

$$\frac{x^{4} (x^{5} + x^{4} + 2 x^{2} - x + 3)}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{4}}$$

Sequence: A011890
Score: 4.78702
Type of gen. func.: ogf

$$\frac{x^{4} (x^{6} + 2 x^{4} - x^{3} + 3 x^{2} - 2 x + 3)}{(x + 1) (x^{2} + 1) (x^{4} + 1) (x - 1)^{4}}$$

Sequence: A011891
Score: 5.37490
Type of gen. func.: lgdogf

$$- (5 x^{11} - 7 x^{10} + 9 x^{9} + 7 x^{8} - 23 x^{7} + 33 x^{6} - 8 x^{5} - 8 x^{4} + 15 x^{3} - x^{2} - 4 x$$

$$+ 6) \Big/ ((x - 1) (x^5 - x^4 + x^3 + x^2 - 2 x + 2) (x^6 + x^3 + 1))$$

Sequence: A011891
Score: 5.39666
Type of gen. func.: ogf

$$\frac{x^4 (x^5 - x^4 + x^3 + x^2 - 2 x + 2)}{(x^6 + x^3 + 1) (x - 1)^4}$$

Sequence: A011892
Score: 6.50873
Type of gen. func.: ogf

$$\frac{x^4 (x^3 + 2)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^4}$$

Sequence: A011892
Score: 7.76041
Type of gen. func.: lgdogf

$$- \frac{5 x^7 + 3 x^6 + 3 x^5 + 19 x^4 + 9 x^3 + 9 x^2 + 6 x + 6}{(x - 1) (x^3 + 2) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A011893
Score: 4.09250
Type of gen. func.: ogf

$$\frac{x^4 (x^9 + x^6 + 2 x^5 - 2 x^4 + 2 x^3 + x^2 - x + 2)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^4}$$

Sequence: A011894
Score: 5.95642
Type of gen. func.: ogf

$$\frac{x^4 (x^2 - x + 2)}{(x + 1) (x^2 + 1) (x - 1)^4}$$

Sequence: A011894
Score: 9.39997
Type of gen. func.: lgdogf

$$- \frac{5 x^5 - 3 x^4 + 14 x^3 + 6 x^2 + 5 x + 5}{(x - 1) (x + 1) (x^2 + 1) (x^2 - x + 2)}$$

Sequence: A011895
Score: 5.71882
Type of gen. func.: ogf

$$x^4 (x^{11} - x^{10} + 2 x^9 + 2 x^5 + x + 1) \bigg/ \Big((x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^4 \Big)$$

Sequence: A011896
Score: 6.10877
Type of gen. func.: lgdogf

$$- (5 x^{11} - 3 x^{10} + 14 x^9 - 2 x^8 + 12 x^7 + 16 x^6 + 9 x^5 + 11 x^4 + 5 x^3 + 9 x^2 + 4 x + 4) \bigg/ \Big((x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^5 - x^4 + 2 x^3 - x^2 + x + 1)\Big)$$

Sequence: A011896
Score: 6.30270
Type of gen. func.: ogf

$$\frac{x^4 (x^5 - x^4 + 2 x^3 - x^2 + x + 1)}{\ ^{6} \quad ^{5} \quad ^{4} \quad ^{3} \quad ^{2} \qquad\qquad\qquad ^{4}}$$

$$(x + x + x + x + x + x + 1) (x - 1)$$

Sequence: A011897
Score: 5.79708
Type of gen. func.: ogf

$$\frac{x^4 (x^3 - x^2 + x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^4}$$

Sequence: A011897
Score: 7.61303
Type of gen. func.: lgdogf

$$- \frac{5 x^7 - 3 x^6 + 7 x^5 + 11 x^4 + 6 x^3 + 6 x^2 + 4 x + 4}{(x - 1) (x^3 - x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A011900
Score: 10.0034
Type of gen. func.: lgdogf

$$- \frac{x^4 - 8 x^3 + 24 x^2 - 12 x + 3}{(x - 1) (x^2 - 4 x + 1) (x^2 - 6 x + 1)}$$

Sequence: A011900
Score: 11.4625
Type of gen. func.: ogf

$$- \frac{x^2 - 4 x + 1}{(x - 1) (x^2 - 6 x + 1)}$$

Sequence: A011900
Score: 6.18773
Type of gen. func.: ogf

$\{-a(n + 3) + 7 a(n + 2) - 7 a(n + 1) + a(n), a(0) = 1, a(1) = 3, a(2) = 15\}$

Sequence: A011900
Score: 6.24299
Type of gen. func.: ogf

$$(41 f(x) + 4) (f(x) x^3 - 7 f(x) x^2 + 7 f(x) x + x^2 - f(x) - 4 x + 1)$$

Sequence: A011903
Score: 5.22743
Type of gen. func.: lgdogf

$$- (5 x^{11} - 3 x^{10} + 16 x^8 - 3 x^7 + 13 x^6 + 6 x^5 + 8 x^4 + 2 x^3 + 6 x^2 + 4 x + 2) \Big/ ((x - 1) (x^5 - x^4 + 2 x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1))$$

Sequence: A011903
Score: 5.22743
Type of gen. func.: ogf

$$\frac{x^4 (x^5 - x^4 + 2 x^2 - x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^4}$$

Sequence: A011904
Score: 4.02677
Type of gen. func.: ogf

$$\frac{x^4 (x^9 - x^8 + 2 x^6 - x^5 + x^4 - x^3 + 2 x^2 - x + 1)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^4}$$

Sequence: A011906
Score: 7.06780
Type of gen. func.: ogf

$$3 x^3 - 33 x^2 + 23 x - 1$$

$$\frac{}{(x - 1) (x^2 - 34 x + 1) (x^2 - 6 x + 1)}$$

Sequence: A011912
Score: 6.25650
Type of gen. func.: ogf

$$\frac{x^5 (x^2 - 2 x + 2)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^4}$$

Sequence: A011912
Score: 8.36463
Type of gen. func.: lgdogf

$$- \frac{6 x^6 - 11 x^5 + 13 x^4 + 3 x^3 + 3 x^2 + 2 x + 4}{(x - 1) (x^2 - 2 x + 2) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A011915
Score: 5.97893
Type of gen. func.: ogf

$$- \frac{4 x^4 (x^4 + 2 x^3 + 2 x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^5}$$

Sequence: A011915
Score: 7.54915
Type of gen. func.: lgdogf

$$- \frac{5 x^8 + 16 x^7 + 12 x^6 + 28 x^5 + 29 x^4 + 24 x^3 + 18 x^2 + 12 x + 6}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (x^4 + 2 x^3 + 2 x + 1)}$$

Sequence: A011916
Score: 11.2076
Type of gen. func.: lgdogf

$$-\frac{2\,(x^3 - 12\,x^2 + 45\,x - 22)}{(x - 1)\,(x - 3)\,(x^2 - 14\,x + 1)}$$

Sequence: A011916
Score: 4.89334
Type of gen. func.: ogf

$$\{-a(n + 3) + 15\,a(n + 2) - 15\,a(n + 1) + a(n),\ a(0) = 0,\ a(1) = 3,\ a(2) = 44\}$$

Sequence: A011916
Score: 5.52319
Type of gen. func.: ogf

$$f(x)\,(f(x)\,x^3 - 15\,f(x)\,x^2 + 15\,f(x)\,x - x^2 - f(x) + 3\,x)$$

Sequence: A011916
Score: 9.45493
Type of gen. func.: ogf

$$\frac{x\,(x - 3)}{(x - 1)\,(x^2 - 14\,x + 1)}$$

Sequence: A011917
Score: 4.02316
Type of gen. func.: ogf

$$-\frac{x^4\,(3\,x^6 + 5\,x^5 + x^4 + 6\,x^3 + x^2 + 5\,x + 3)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\,(x - 1)^5}$$

Sequence: A011918
Score: 11.6314
Type of gen. func.: lgdogf

$$2\,(x^3 - 75\,x + 38)$$

$$- \frac{}{(x + 5) (x - 1) (x^2 - 14 x + 1)}$$

Sequence: A011918
Score: 12.9555
Type of gen. func.: ogf

$$- \frac{x + 5}{(x - 1) (x^2 - 14 x + 1)}$$

Sequence: A011918
Score: 5.98785
Type of gen. func.: ogf

$$(525656976 f(x) - 8372525) (f(x) x^3 - 15 f(x) x^2 + 15 f(x) x - f(x) + x + 5)$$

Sequence: A011918
Score: 6.03859
Type of gen. func.: ogf

$\{a(n + 3) - 15 a(n + 2) + 15 a(n + 1) - a(n), a(0) = 5, a(1) = 76, a(2) = 1065\}$

Sequence: A011919
Score: 3.83060
Type of gen. func.: ogf

$$- \frac{x^4 (2 x^8 + 5 x^7 + 3 x^5 + 4 x^4 + 3 x^3 + 5 x + 2)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^5}$$

Sequence: A011920
Score: 4.99683
Type of gen. func.: ogf

$$- \frac{12 (11 x^2 - 44 x + 1)}{(x - 1) (x^2 - 14 x + 1) (x^2 - 194 x + 1)}$$

Sequence: A011922
Score: 4.23750
Type of gen. func.: ogf

$$\{-a(n+3)+15\,a(n+2)-15\,a(n+1)+a(n),\ a(0)=1,\ a(1)=3,\ a(2)=33\}$$

Sequence: A011922
Score: 6.73958
Type of gen. func.: ogf

$$(320\,f(x)-23)\,(f(x)\,x^3-15\,f(x)\,x^2+15\,f(x)\,x+3\,x^2-f(x)-12\,x+1)$$

Sequence: A011922
Score: 7.61425
Type of gen. func.: ogf

$$-\frac{3\,x^2-12\,x+1}{(x-1)\,(x^2-14\,x+1)}$$

Sequence: A011922
Score: 7.80294
Type of gen. func.: lgdogf

$$-\frac{3\,(x^4-8\,x^3+46\,x^2-8\,x+1)}{(x-1)\,(3\,x^2-12\,x+1)\,(x^2-14\,x+1)}$$

Sequence: A011924
Score: 3.93716
Type of gen. func.: ogf

$$-\frac{x^4\,(x^6+4\,x^5-x^4+4\,x^3-x^2+4\,x+1)}{(x^6+x^5+x^4+x^3+x^2+x+1)\,(x-1)^5}$$

Sequence: A011925
Score: 4.47266
Type of gen. func.: ogf

$$-\frac{x^4 (x^4 + 4 x^3 - 2 x^2 + 4 x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^5}$$

Sequence: A011925
Score: 5.71985
Type of gen. func.: lgdogf

$$-\frac{5 x^8 + 28 x^7 + 6 x^6 + 44 x^5 + 37 x^4 + 32 x^3 + 24 x^2 + 16 x + 8}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (x^4 + 4 x^3 - 2 x^2 + 4 x + 1)}$$

Sequence: A011926
Score: 4.34207
Type of gen. func.: ogf

$$-\frac{x^4 (x^4 + 2 x^3 - 3 x^2 + 2 x + 1)}{(x^4 + 1) (x - 1)^5}$$

Sequence: A011926
Score: 6.53697
Type of gen. func.: lgdogf

$$-\frac{5 x^8 + 12 x^7 - 23 x^6 + 22 x^5 + 4 x^4 + 4 x^3 - 3 x^2 + 2 x + 7}{(x - 1) (x^4 + 2 x^3 - 3 x^2 + 2 x + 1) (x^4 + 1)}$$

Sequence: A011928
Score: 4.57030
Type of gen. func.: ogf

$$-\frac{x^4 (x^8 + 2 x^7 + 2 x^6 - 2 x^5 + 6 x^4 - 2 x^3 + 2 x^2 + 2 x + 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^5}$$

Sequence: A011930
Score: 5.51857
Type of gen. func.: ogf

$$-\frac{x^4 (x^4 + 2 x^3 + 2 x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^5}$$

Sequence: A011930
Score: 6.89821
Type of gen. func.: lgdogf

$$-\frac{5 x^8 + 16 x^7 + 12 x^6 + 28 x^5 + 29 x^4 + 24 x^3 + 18 x^2 + 12 x + 6}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (x^4 + 2 x^3 + 2 x + 1)}$$

Sequence: A011931
Score: 3.84286
Type of gen. func.: ogf

$$-\frac{x^4 (x^6 + x^5 + 3 x^4 - 2 x^3 + 3 x^2 + x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^5}$$

Sequence: A011934
Score: 10.1379
Type of gen. func.: ogf

$$\frac{x (x^2 + 4 x + 1)}{(x + 1) (x - 1)^4}$$

Sequence: A011934
Score: 17.6047
Type of gen. func.: lgdogf

3 2

$$-\frac{3x + 19x + 19x + 7}{(x-1)(x+1)(x^2+4x+1)}$$

Sequence: A011938
Score: 5.83046
Type of gen. func.: ogf

$$-\frac{2x^5(2x^4-2x^3+3x^2-2x+2)}{(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^5}$$

Sequence: A011940
Score: 14.4215
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5+x^4+x^2+x+3$$

Sequence: A011940
Score: 5.09232
Type of gen. func.: ogf

$$-\frac{4x^5(x^2-x+1)}{(x^4+x^3+x^2+x+1)(x-1)^5}$$

Sequence: A011940
Score: 8.32518
Type of gen. func.: lgdogf

$$-\frac{7x^6-4x^5+9x^4+4x^3+4x^2+2x+3}{(x-1)(x^2-x+1)(x^4+x^3+x^2+x+1)}$$

Sequence: A011943
Score: 14.1660
Type of gen. func.: lgdogf

$$-\frac{7 x^{2} - 2 x + 7}{(7 x - 1) (x^{2} - 14 x + 1)}$$

Sequence: A011943
Score: 15.9555
Type of gen. func.: ogf

$$-\frac{7 x - 1}{x^{2} - 14 x + 1}$$

Sequence: A011943
Score: 7.97777
Type of gen. func.: ogf

$$-(96 f(x) - 47) (f(x) x^{2} - 14 f(x) x + f(x) + 7 x - 1)$$

Sequence: A011943
Score: 8.84282
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1) + a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A011944
Score: 12.2046
Type of gen. func.: revogf

$$-\frac{-1 - 7 x + (6 x + 1)^{1/2} (8 x + 1)^{1/2}}{x}$$

Sequence: A011944
Score: 12.7494
Type of gen. func.: ogf

$$\frac{2 x}{x^{2} - 14 x + 1}$$

Sequence: A011944
Score: 21.6354
Type of gen. func.: lgdogf

$$-\frac{2(-7+x)}{x^2-14x+1}$$

Sequence: A011944
Score: 5.90828
Type of gen. func.: ogf

$$\{a(n+2)-14a(n+1)+a(n), a(0)=0, a(1)=2\}$$

Sequence: A011944
Score: 8.07466
Type of gen. func.: ogf

$$-f(x)x^2+14f(x)x-f(x)+2x$$

Sequence: A011945
Score: 12.1327
Type of gen. func.: ogf

$$-f(x)x^2+14f(x)x-f(x)+6x$$

Sequence: A011945
Score: 15.2973
Type of gen. func.: revogf

$$-\frac{-3-7x+(2x+1)^{1/2}(8x+3)^{1/2}3^{1/2}}{x}$$

Sequence: A011945
Score: 19.1569
Type of gen. func.: ogf

$$\frac{6 x}{x^2 - 14 x + 1}$$

Sequence: A011945
Score: 34.2369
Type of gen. func.: lgdogf

$$- \frac{2 (-7 + x)}{x^2 - 14 x + 1}$$

Sequence: A011945
Score: 8.87759
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1) + a(n), a(0) = 0, a(1) = 6\}$$

Sequence: A011975
Score: 6.21391
Type of gen. func.: ogf

$$- \frac{x^8 - x^7 - x^6 + 2 x^5 + 2 x + 1}{(x^2 + x + 1) (x^2 - x + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A012000
Score: 11.9989
Type of gen. func.: ogf

$$-16 f(x)^2 x^2 + 4 f(x)^2 x - f(x)^2 + 1$$

Sequence: A012000
Score: 18.5487
Type of gen. func.: revogf

$$- \frac{(-2 x + (-12 x^2 + 1)^{1/2}) x}{(4 x - 1) (4 x + 1)}$$

Sequence: A012000
Score: 31.9037
Type of gen. func.: lgdogf

$$-\frac{2(8x-1)}{16x^2-4x+1}$$

Sequence: A012000
Score: 5.01916
Type of gen. func.: ogf

$$\{(-n-3)a(n+3)+(10+4n)a(n+2)+(-32-16n)a(n+1), a(0)=1, a(1)=2, a(2)=-2\}$$

Sequence: A012019
Score: 11.1632
Type of gen. func.: lgdegf]

$$(n+3)a(n+3)+(n+4)a(n+1), a(0)=1, a(1)=0, a(2)=-3/2$$

Sequence: A012034
Score: 8.58455
Type of gen. func.: lgdegf]

$$(n^2+4n+5)a(n+1)+(n^2+5n+6)a(n+3), a(0)=1, a(1)=0, a(2)=-1$$

Sequence: A012125
Score: 31.0171
Type of gen. func.: lgdogf

$$-\frac{6(8x-1)}{16x^2-4x+1}$$

Sequence: A012125
Score: 4.90859
Type of gen. func.: ogf

$$\{(n + 2) a(n + 3) + (-10 - 4 n) a(n + 2) + (48 + 16 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 6\}$$

Sequence: A012150
Score: 11.1035
Type of gen. func.: lgdegf]

$$(-n - 3) a(n + 3) + (n + 4) a(n + 1), a(0) = 1, a(1) = 0, a(2) = 3/2$$

Sequence: A012244
Score: 10.9368
Type of gen. func.: egf]

$$-f(x)^2 x^2 - 2 f(x)^2 x + f(x)^2 - 1$$

Sequence: A012244
Score: 28.5825
Type of gen. func.: lgdegf]

$$-\frac{x + 1}{x^2 + 2 x - 1}$$

Sequence: A012244
Score: 34.2991
Type of gen. func.: revegf]

$$\sin(x) + \cos(x) - 1$$

Sequence: A012244
Score: 4.85224
Type of gen. func.: ogf

$$\{(n^2 + 4 n + 4) a(n + 1) + (2 n + 5) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 1, a(2) = 4\}$$

Sequence: A012245
Score: 21.7732
Type of gen. func.: lgdogf

$$\frac{23 x^{22} + 5 x^{4} + 1}{x^{23} + x^{5} + x + 1}$$

Sequence: A012246
Score: 8.63446
Type of gen. func.: lgdegf]

$$(n^{2} + 4 n + 5) a(n + 1) + (-n^{2} - 5 n - 6) a(n + 3), a(0) = 1, a(1) = 0,$$

$$a(2) = 1$$

Sequence: A012408
Score: 11.6937
Type of gen. func.: lgdegf]

$$\frac{\exp(x) (\arctan(x) + \arctan(x) x^{2} + 1)}{x^{2} + 1}$$

Sequence: A012493
Score: 10.2316
Type of gen. func.: ogf

$$\frac{x (x - 2)}{x^{3} - 4 x^{2} + 5 x - 1}$$

Sequence: A012493
Score: 15.5080
Type of gen. func.: lgdogf

```
                   2
                  x  - 2 x - 2
        - -----------------------------
                    3      2
```

$$(x - 1) (x - 4 x + 5 x - 1)$$

Sequence: A012493
Score: 5.16108
Type of gen. func.: ogf

$$-(40 f(x) + 63) (f(x) x^3 - 4 f(x) x^2 + 5 f(x) x - x^2 - f(x) + 2 x)$$

Sequence: A012493
Score: 5.25406
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 0, a(1) = 2, a(2) = 9\}$$

Sequence: A012584
Score: 10.2667
Type of gen. func.: lgdegf]

$$\frac{\exp(x) (\operatorname{arcsinh}(x) x^2 + \operatorname{arcsinh}(x) + (x^2 + 1)^{1/2})}{x^2 + 1}$$

Sequence: A012772
Score: 13.5628
Type of gen. func.: lgdogf

$$-\frac{x^3 - 3 x^2 + 3 x - 3}{(x - 1) (x^3 - 4 x^2 + 5 x - 1)}$$

Sequence: A012772
Score: 5.13572
Type of gen. func.: ogf

$$-(11 f(x) - 2) (f(x) x^3 - 4 f(x) x^2 + 5 f(x) x + x^2 - f(x) - 2 x + 1)$$

Sequence: A012772
Score: 5.27206
Type of gen. func.: ogf

$$\{-a(n+3) + 5\,a(n+2) - 4\,a(n+1) + a(n),\ a(0) = 1,\ a(1) = 3,\ a(2) = 12\}$$

Sequence: A012772
Score: 9.76628
Type of gen. func.: ogf

$$-\frac{(x-1)^2}{x^3 - 4x^2 + 5x - 1}$$

Sequence: A012781
Score: 10.7608
Type of gen. func.: ogf

$$\frac{x(x-1)}{x^3 - 4x^2 + 5x - 1}$$

Sequence: A012781
Score: 13.7234
Type of gen. func.: lgdogf

$$-\frac{(x-2)(2x^2 - 3x + 2)}{(x-1)(x^3 - 4x^2 + 5x - 1)}$$

Sequence: A012781
Score: 5.52580
Type of gen. func.: ogf

$$\{a(n+3) - 5\,a(n+2) + 4\,a(n+1) - a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 4\}$$

Sequence: A012781
Score: 7.21605
Type of gen. func.: ogf

$$f(x)\,x^3 - 4\,f(x)\,x^2 + 5\,f(x)\,x - x^2 - f(x) + x$$

Sequence: A012814
Score: 13.7656
Type of gen. func.: ogf

$$-\frac{x}{x^3 - 4\,x^2 + 5\,x - 1}$$

Sequence: A012814
Score: 16.8176
Type of gen. func.: lgdogf

$$-\frac{(x - 1)\,(3\,x - 5)}{x^3 - 4\,x^2 + 5\,x - 1}$$

Sequence: A012814
Score: 5.08458
Type of gen. func.: ogf

$$\{a(n + 3) - 5\,a(n + 2) + 4\,a(n + 1) - a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 5\}$$

Sequence: A012814
Score: 5.7009
Type of gen. func.: ogf

$$(5\,f(x) + 1)\,(f(x)\,x^3 - 4\,f(x)\,x^2 + 5\,f(x)\,x - f(x) + x)$$

Sequence: A012855
Score: 10.8032
Type of gen. func.: ogf

$$\frac{x\,(4\,x - 1)}{x^3 - 4\,x^2 + 5\,x - 1}$$

Sequence: A012855
Score: 12.3675
Type of gen. func.: lgdogf

$$-\frac{8x^3 - 19x^2 + 8x - 1}{(4x - 1)(x^3 - 4x^2 + 5x - 1)}$$

Sequence: A012855
Score: 5.54757
Type of gen. func.: ogf

$$-(f(x) + 1)(f(x)x^3 - 4f(x)x^2 + 5f(x)x - 4x^2 - f(x) + x)$$

Sequence: A012855
Score: 5.54758
Type of gen. func.: ogf

$$\{a(n + 3) - 5a(n + 2) + 4a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 1\}$$

Sequence: A012864
Score: 10.0030
Type of gen. func.: ogf

$$-\frac{2x^2 - 4x + 1}{x^3 - 4x^2 + 5x - 1}$$

Sequence: A012864
Score: 10.3013
Type of gen. func.: lgdogf

$$-\frac{(x - 1)(2x^3 - 6x^2 + 3x - 1)}{(2x^2 - 4x + 1)(x^3 - 4x^2 + 5x - 1)}$$

Sequence: A012864
Score: 5.44809

Type of gen. func.: ogf

$$(7 f(x) - 10) (f(x) x^3 - 4 f(x) x^2 + 5 f(x) x + 2 x^2 - f(x) - 4 x + 1)$$

Sequence: A012864
Score: 5.44809
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 1, a(1) = 1, a(2) = 3\}$$

Sequence: A012866
Score: 10.2032
Type of gen. func.: ogf

$$\frac{x (3 x - 1)}{x^3 - 4 x^2 + 5 x - 1}$$

Sequence: A012866
Score: 11.9177
Type of gen. func.: lgdogf

$$-\frac{6 x^3 - 15 x^2 + 8 x - 2}{(3 x - 1) (x^3 - 4 x^2 + 5 x - 1)}$$

Sequence: A012866
Score: 5.23949
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A012866
Score: 5.33563
Type of gen. func.: ogf

$$(25 f(x) + 16) (f(x) x^3 - 4 f(x) x^2 + 5 f(x) x - 3 x^2 - f(x) + x)$$

Sequence: A012880
Score: 10.5935
Type of gen. func.: ogf

$$\frac{x (2 x - 1)}{x^3 - 4 x^2 + 5 x - 1}$$

Sequence: A012880
Score: 12.1285
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 11 x^2 + 8 x - 3}{(2 x - 1) (x^3 - 4 x^2 + 5 x - 1)}$$

Sequence: A012880
Score: 5.43991
Type of gen. func.: ogf

$$-(3 f(x) + 1) (f(x) x^3 - 4 f(x) x^2 + 5 f(x) x - 2 x^2 - f(x) + x)$$

Sequence: A012880
Score: 5.43991
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 3\}$$

Sequence: A012886
Score: 4.99408
Type of gen. func.: ogf

$$-(169 f(x) + 202) (f(x) x^3 - 4 f(x) x^2 + 5 f(x) x - 3 x^2 - f(x) - 3 x + 1)$$

Sequence: A012886
Score: 5.30621
Type of gen. func.: ogf

$\{a(n+3) - 5\,a(n+2) + 4\,a(n+1) - a(n),\ a(0) = 1,\ a(1) = 2,\ a(2) = 3\}$

Sequence: A012886
Score: 9.53415
Type of gen. func.: lgdogf

$$-\frac{3x^4 + 6x^3 - 30x^2 + 14x - 2}{(3x^2 + 3x - 1)(x^3 - 4x^2 + 5x - 1)}$$

Sequence: A012886
Score: 9.74254
Type of gen. func.: ogf

$$\frac{3x^2 + 3x - 1}{x^3 - 4x^2 + 5x - 1}$$

Sequence: A012899
Score: 14.7597
Type of gen. func.: lgdegf]

$$-\frac{-x + 1 + (-(x - 1)(x + 1))^{1/2}}{(x - 1)(x + 1)}$$

Sequence: A012960
Score: 23.8267
Type of gen. func.: lgdegf]

$$\frac{x^2 + x + 2}{(x + 1)(x^2 + 1)}$$

Sequence: A013069
Score: 11.5692
Type of gen. func.: lgdegf]

2 2 2 1/2

$$\frac{x + 1 + ((x + 1) (x + 1))}{(x^2 + 1) (x + 1)}$$

Sequence: A013069
Score: 6.73854
Type of gen. func.: egf]

$$-2 f(x) x^2 + f(x)^2 - 2 f(x) x - x^2 - 2 x - 1$$

Sequence: A013076
Score: 2.67532
Type of gen. func.: egf]

$$5 f(x)^2 x^4 + 12 f(x)^2 x^3 - 2 f(x) x^4 + 12 f(x)^2 x^2 - 8 f(x) x^3 - 3 x^4 + 8 f(x)^2 x - 12 f(x) x^2 - 4 x^3 + 4 f(x)^2 - 8 f(x) x$$

Sequence: A013078
Score: 3.46129
Type of gen. func.: egf]

$$4 f(x) x^4 - 4 f(x)^2 x^2 + 12 f(x) x^3 + 5 x^4 - 8 f(x)^2 x + 8 f(x) x^2 + 12 x^3 - 4 f(x)^2 + 12 x^2 + 8 x + 4$$

Sequence: A013080
Score: 2.92691
Type of gen. func.: egf]

$$5 f(x)^2 x^4 + 12 f(x)^2 x^3 + 4 f(x) x^4 + 12 f(x)^2 x^2 + 12 f(x) x^3 + 8 f(x)^2 x + 8 f(x) x^2 + 4 f(x)^2 - 4 x^2 - 8 x - 4$$

Sequence: A013084
Score: 7.58924
Type of gen. func.: lgdegf]

$$-5152 + (768 x^4 + 2832) f(x) + (-1686 x^4 + 1032) f(x)^2 + (651 x^4 - 580) f(x)^3$$

Sequence: A013103
Score: 12.9949
Type of gen. func.: lgdegf]

$$-x^2 + (-2 x^2 - 2) f(x) + (x^4 + 2 x^2 + 1) f(x)^2$$

Sequence: A013155
Score: 32.5943
Type of gen. func.: lgdegf]

$$\frac{x - 2}{(x - 1) (x + 1)}$$

Sequence: A013155
Score: 4.64165
Type of gen. func.: ogf

$$\{(n^2 + 2 n) a(n + 1) - a(n + 3) + 2 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 3\}$$

Sequence: A013155
Score: 8.71202
Type of gen. func.: egf]

$$-f(x)^2 x - x^3 + f(x)^2 - 3 x^2 - 3 x - 1$$

Sequence: A013161
Score: 9.79695
Type of gen. func.: lgdegf]

$$\frac{5 x^3 - x^2 + 22 x - 2}{(x - 1) (x - 2) (x + 1) (x^3 + 3 x^2 + 2 x + 2)}$$

Sequence: A013164
Score: 11.2493
Type of gen. func.: lgdegf]

$$\frac{x\,(x-2)\,(x^2+3\,x+4)}{(x-1)\,(x+1)\,(x^3+3\,x^2+2\,x+2)}$$

Sequence: A013166
Score: 11.1441
Type of gen. func.: lgdegf]

$$-\frac{x\,(x-2)\,(x^2+3\,x+4)}{(x-1)\,(x+1)\,(x^3+3\,x^2+2\,x+2)}$$

Sequence: A013170
Score: 14.0345
Type of gen. func.: lgdegf]

$$-x^2+(-2\,x^2+2)\,f(x)+(-x^4+2\,x^2-1)\,f(x)^2$$

Sequence: A013174
Score: 25.1865
Type of gen. func.: lgdegf]

$$-\frac{2}{(x-1)\,(x+1)\,(x^2+1)}$$

Sequence: A013174
Score: 4.22598
Type of gen. func.: egf]

$$\{(n+4)\,a(n+4)-2\,a(n+3)-n\,a(n),\ a(0)=1,\ a(1)=2,\ a(2)=2,$$
$$a(3)=4/3\}$$

Sequence: A013275
Score: 3.63708

Type of gen. func.: egf]

$$4 f(x) x^{4} + 4 f(x)^{2} x^{2} + 12 f(x) x^{3} + 3 x^{4} + 8 f(x)^{2} x + 16 f(x) x^{2} + 4 x^{3} + 4 f(x)^{2} + 8 f(x) x$$

Sequence: A013277
Score: 2.73352
Type of gen. func.: egf]

$$5 f(x)^{2} x^{4} + 12 f(x)^{2} x^{3} - 2 f(x) x^{4} + 12 f(x)^{2} x^{2} - 8 f(x) x^{3} - 3 x^{4} + 8 f(x)^{2} x - 12 f(x) x^{2} - 4 x^{3} + 4 f(x)^{2} - 8 f(x) x$$

Sequence: A013279
Score: 3.59994
Type of gen. func.: egf]

$$4 f(x) x^{4} + 4 f(x)^{2} x^{2} + 12 f(x) x^{3} - 5 x^{4} + 8 f(x)^{2} x + 8 f(x) x^{2} - 12 x^{3} + 4 f(x)^{2} - 12 x^{2} - 8 x - 4$$

Sequence: A013281
Score: 3.0264
Type of gen. func.: egf]

$$-5 f(x)^{2} x^{4} - 12 f(x)^{2} x^{3} + 4 f(x) x^{4} - 12 f(x)^{2} x^{2} + 12 f(x) x^{3} - 8 f(x)^{2} x + 8 f(x) x^{2} - 4 f(x)^{2} + 4 x^{2} + 8 x + 4$$

Sequence: A013299
Score: 3.41993
Type of gen. func.: ogf

$$\{(4 n^{3} + 28 n^{2} + 63 n + 45) a(n + 1) + (-n - 2) a(n + 2), a(0) = 1, a(1) = 6\}$$

Sequence: A013309

Score: 5.52640
Type of gen. func.: lgdegf]

$$-a(n + 1) + (n + 2)\, a(n + 2) + (-n^2 - 5 n - 6)\, a(n + 3)$$

$$+ (n^3 + 9 n^2 + 26 n + 24)\, a(n + 4),\ a(0) = 1,\ a(1) = 2,\ a(2) = 1/2,$$

$$a(3) = 0$$

Sequence: A013326
Score: 4.13365
Type of gen. func.: ogf

$$-(426 f(x) - 151)$$

$$(f(x)\, x^4 - 3 f(x)\, x^3 + 3 f(x)\, x^2 + 2 x^3 - 3 f(x)\, x - x^2 + f(x) + x - 1)$$

Sequence: A013326
Score: 4.22098
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n),\ a(0) = 1,\ a(1) = 2,$$

$$a(2) = 4,\ a(3) = 7\}$$

Sequence: A013326
Score: 7.78414
Type of gen. func.: ogf

$$-\frac{2 x^3 - x^2 + x - 1}{x^4 - 3 x^3 + 3 x^2 - 3 x + 1}$$

Sequence: A013326
Score: 8.13764
Type of gen. func.: lgdogf

$$-\frac{2 x^6 - 2 x^5 + 2 x^3 + 3 x^2 - 4 x + 2}{(2 x^3 - x^2 + x - 1)(x^4 - 3 x^3 + 3 x^2 - 3 x + 1)}$$

Sequence: A013378
Score: 15.0253
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A013397
Score: 14.2331
Type of gen. func.: lgdegf]

$$-2 x + (-2 x^2 + 2) f(x) + (-x^3 - x^2 + x + 1) f(x)^2$$

Sequence: A013430
Score: 13.5052
Type of gen. func.: lgdegf]

$$x^2 + (-2 x^2 + 2) f(x) + (x^4 - 2 x^2 + 1) f(x)^2$$

Sequence: A013458
Score: 15.6368
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A013459
Score: 23.2850
Type of gen. func.: lgdegf]

$$- \frac{x (x - 1)}{(x + 1) (x^2 + 1)}$$

Sequence: A013461
Score: 13.1675
Type of gen. func.: lgdegf]

$$x^2 + (2 x^2 + 2) f(x) + (-x^4 - 2 x^2 - 1) f(x)^2$$

Sequence: A013462
Score: 21.1899
Type of gen. func.: lgdegf]

$$\frac{2 x^2}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A013462
Score: 3.80565
Type of gen. func.: egf]

$\{(-n - 4) a(n + 4) - 2 a(n + 1) + n a(n), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = -2/3\}$

Sequence: A013468
Score: 5.44100
Type of gen. func.: lgdegf]

$a(n + 1) + (-n - 2) a(n + 2) + (n^2 + 5 n + 6) a(n + 3) + (-n^3 - 9 n^2 - 26 n - 24) a(n + 4), a(0) = -1, a(1) = -2, a(2) = -1/2, a(3) = 0$

Sequence: A013492
Score: 11.1363
Type of gen. func.: lgdegf]

$$\frac{-x^2 - 1 + ((x^2 + 1) (x + 1)^2)^{1/2}}{(x^2 + 1) (x + 1)}$$

Sequence: A013492
Score: 3.03248
Type of gen. func.: egf]

$\{-n a(n) - a(n + 1) n + (-n - 3) a(n + 2) + (-n - 3) a(n + 3), a(0) = 1,$

$a(1) = 0, a(2) = 1/2\}$

Sequence: A013492
Score: 4.99289
Type of gen. func.: egf]

$$-f(x)^2 x^2 - 2 f(x)^2 x + 2 f(x) x^2 - f(x)^2 + 2 f(x) x + 1$$

Sequence: A013571
Score: 12.1781
Type of gen. func.: lgdegf]

$$- \frac{\exp(-x) (\arctan(x) + \arctan(x) x^2 - 1)}{x^2 + 1}$$

Sequence: A013574
Score: 13.2100
Type of gen. func.: ogf

$$\frac{2 x^2 + x + 3}{(x^2 + 1) (x - 1)^2}$$

Sequence: A013574
Score: 4.51232
Type of gen. func.: ogf

$$\{(-6 n - 25) a(n + 1) + (6 n + 19) a(n + 2) + (-6 n - 25) a(n + 3)$$
$$+ (6 n + 19) a(n + 4), a(0) = 3, a(1) = 7, a(2) = 10, a(3) = 12\}$$

Sequence: A013574
Score: 6.80216
Type of gen. func.: ogf

$$(528 f(x) + 9259)$$
$$(f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - 2 f(x) x - 2 x^2 + f(x) - x - 3)$$

Sequence: A013654
Score: 11.9628
Type of gen. func.: ogf

$$-\frac{2\,(3\,x+1)}{(x+1)^2\,(x-1)^3}$$

Sequence: A013654
Score: 22.4941
Type of gen. func.: lgdogf

$$-\frac{4\,(3\,x^2+2\,x+1)}{(x-1)\,(3\,x+1)\,(x+1)}$$

Sequence: A013654
Score: 4.12718
Type of gen. func.: ogf

$$\{(-n-4)\,a(n+4)+(-5-3\,n)\,a(n+3)+(10+n)\,a(n+2)$$
$$+(15+3\,n)\,a(n+1),\ a(0)=2,\ a(1)=8,\ a(2)=12,\ a(3)=24\}$$

Sequence: A013655
Score: 10.5718
Type of gen. func.: ogf

$$\{-a(n+2)+a(n+1)+a(n),\ a(0)=3,\ a(1)=2\}$$

Sequence: A013655
Score: 19.2642
Type of gen. func.: ogf

$$\frac{x-3}{x^2+x-1}$$

Sequence: A013655
Score: 23.6703
Type of gen. func.: revogf

$$\frac{-3 - x + (5 x^2 + 2 x + 9)^{1/2}}{2 (x - 1)}$$

Sequence: A013655
Score: 29.3838
Type of gen. func.: lgdogf

$$- \frac{x^2 - 6 x - 2}{(x - 3) (x^2 + x - 1)}$$

Sequence: A013655
Score: 9.85099
Type of gen. func.: ogf

$$(87 f(x) - 245) (f(x) x^2 + f(x) x - f(x) - x + 3)$$

Sequence: A013656
Score: 14.0276
Type of gen. func.: ogf

$$- \frac{x (11 x + 7)}{(x - 1)^3}$$

Sequence: A013656
Score: 29.7129
Type of gen. func.: lgdogf

$$- \frac{2 (16 + 11 x)}{(11 x + 7) (x - 1)}$$

Sequence: A013656
Score: 6.83698
Type of gen. func.: ogf

$$(525852 f(x) - 3081325) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 11 x^2 - f(x) + 7 x)$$

Sequence: A013656
Score: 7.26429
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 7, a(2) = 32\}$$

Sequence: A013698
Score: 3.84587
Type of gen. func.: ogf

$$\{(27 n^3 + 270 n^2 + 897 n + 990) a(n + 1) + (-4 n^3 - 42 n^2 - 140 n - 144) a(n + 2), a(0) = 1, a(1) = 8\}$$

Sequence: A013698
Score: 5.40976
Type of gen. func.: lgdogf

$$-800 + 5832 x + (8748 x^2 - 1944 x + 100) f(x) + (4374 x^3 - 1188 x^2 + 80 x) f(x)^2 + (729 x^4 - 216 x^3 + 16 x^2) f(x)^3$$

Sequence: A013708
Score: 10.2830
Type of gen. func.: ogf

$$\{a(n + 1) - 9 a(n), a(0) = 3\}$$

Sequence: A013708
Score: 13.0419
Type of gen. func.: ogf

$$-9 f(x) x + f(x) - 3$$

Sequence: A013708
Score: 21.3887
Type of gen. func.: ogf

$$-\frac{3}{9x-1}$$

Sequence: A013708
Score: 40.2428
Type of gen. func.: revogf

$$\frac{x}{3(3x+1)}$$

Sequence: A013708
Score: 47.5597
Type of gen. func.: lgdogf

$$-\frac{9}{9x-1}$$

Sequence: A013709
Score: 12.0146
Type of gen. func.: ogf

$$-16 f(x) x + f(x) - 4$$

Sequence: A013709
Score: 19.4081
Type of gen. func.: ogf

$$-\frac{4}{16x-1}$$

Sequence: A013709
Score: 35.2515
Type of gen. func.: revegf]

$$1/16 \ln(4x+1)$$

Sequence: A013709
Score: 41.1268
Type of gen. func.: lgdogf

$$-\frac{16}{16 x - 1}$$

Sequence: A013709
Score: 9.52096
Type of gen. func.: ogf

$$\{a(n + 1) - 16 a(n), a(0) = 4\}$$

Sequence: A013710
Score: 11.7994
Type of gen. func.: ogf

$$-25 f(x) x + f(x) - 5$$

Sequence: A013710
Score: 19.0605
Type of gen. func.: ogf

$$-\frac{5}{25 x - 1}$$

Sequence: A013710
Score: 34.6244
Type of gen. func.: revegf]

$$1/25 \ln(1 + 5 x)$$

Sequence: A013710
Score: 37.2878
Type of gen. func.: lgdogf

$$-\frac{25}{25 x - 1}$$

Sequence: A013710
Score: 9.35043
Type of gen. func.: ogf

$$\{a(n + 1) - 25 a(n), a(0) = 5\}$$

Sequence: A013711
Score: 10.2702
Type of gen. func.: ogf

$$\{a(n + 1) - 36 a(n), a(0) = 6\}$$

Sequence: A013711
Score: 12.96
Type of gen. func.: ogf

$$-36 f(x) x + f(x) - 6$$

Sequence: A013711
Score: 20.9353
Type of gen. func.: ogf

$$-\frac{6}{36 x - 1}$$

Sequence: A013711
Score: 38.1061
Type of gen. func.: revegf]

$$1/36 \ln(6 x + 1)$$

Sequence: A013711
Score: 41.0374
Type of gen. func.: lgdogf

$$-\frac{36}{36 x - 1}$$

```
------------------------------------------------------------------------------

Sequence:  A013712
Score: 10.9855
Type of gen. func.: ogf

                         {a(n + 1) - 49 a(n), a(0) = 7}


------------------------------------------------------------------------------

Sequence:  A013712
Score: 13.8626
Type of gen. func.: ogf

                             -49 f(x) x + f(x) - 7


------------------------------------------------------------------------------

Sequence:  A013712
Score: 22.3935
Type of gen. func.: ogf

                                        7
                                  - --------
                                    49 x - 1


------------------------------------------------------------------------------

Sequence:  A013712
Score: 40.8142
Type of gen. func.: revegf]

                                1/49 ln(1 + 7 x)


------------------------------------------------------------------------------

Sequence:  A013712
Score: 43.9537
Type of gen. func.: lgdogf

                                        49
                                  - --------
                                    49 x - 1


------------------------------------------------------------------------------

Sequence:  A013713
Score: 12.5669
Type of gen. func.: ogf

                             -64 f(x) x + f(x) - 8
```

Sequence: A013713
Score: 20.3005
Type of gen. func.: ogf

$$-\frac{8}{64 x - 1}$$

Sequence: A013713
Score: 36.9468
Type of gen. func.: revegf]

$$1/64 \ln(8 x + 1)$$

Sequence: A013713
Score: 39.7889
Type of gen. func.: lgdogf

$$-\frac{64}{64 x - 1}$$

Sequence: A013713
Score: 9.95872
Type of gen. func.: ogf

$$\{a(n + 1) - 64 a(n), a(0) = 8\}$$

Sequence: A013714
Score: 10.4567
Type of gen. func.: ogf

$$\{a(n + 1) - 81 a(n), a(0) = 9\}$$

Sequence: A013714
Score: 13.1953
Type of gen. func.: ogf

$$-81 f(x) x + f(x) - 9$$

Sequence: A013714
Score: 21.3155
Type of gen. func.: ogf

$$-\frac{9}{81 x - 1}$$

Sequence: A013714
Score: 38.8319
Type of gen. func.: revegf]

$$1/81 \ln(1 + 9 x)$$

Sequence: A013714
Score: 41.8190
Type of gen. func.: lgdogf

$$-\frac{81}{81 x - 1}$$

Sequence: A013715
Score: 15.1757
Type of gen. func.: ogf

$$-\frac{10}{100 x - 1}$$

Sequence: A013715
Score: 25.9362
Type of gen. func.: revegf]

$$1/100 \ln(1 + 10 x)$$

Sequence: A013715
Score: 27.6653
Type of gen. func.: lgdogf

$$-\frac{100}{100 x - 1}$$

Sequence: A013715
Score: 7.72582
Type of gen. func.: ogf

$$\{a(n+1) - 100\,a(n),\ a(0) = 10\}$$

Sequence: A013715
Score: 9.65725
Type of gen. func.: ogf

$$-100 f(x) x + f(x) - 10$$

Sequence: A013716
Score: 15.1757
Type of gen. func.: ogf

$$-\frac{11}{121 x - 1}$$

Sequence: A013716
Score: 25.9362
Type of gen. func.: revegf]

$$1/121 \ln(1 + 11 x)$$

Sequence: A013716
Score: 27.6653
Type of gen. func.: lgdogf

$$-\frac{121}{121 x - 1}$$

Sequence: A013716
Score: 7.72582
Type of gen. func.: ogf

$$\{a(n+1) - 121\,a(n),\ a(0) = 11\}$$

```
--------------------------------------------------------------------------------

Sequence:  A013716
Score: 9.65725
Type of gen. func.: ogf


                            -121 f(x) x + f(x) - 11



--------------------------------------------------------------------------------

Sequence:  A013717
Score: 15.7082
Type of gen. func.: ogf


                                         12
                                   - ---------
                                     144 x - 1



--------------------------------------------------------------------------------

Sequence:  A013717
Score: 26.8681
Type of gen. func.: revegf]


                               1/144 ln(1 + 12 x)



--------------------------------------------------------------------------------

Sequence:  A013717
Score: 28.6593
Type of gen. func.: lgdogf


                                         144
                                   - ---------
                                     144 x - 1



--------------------------------------------------------------------------------

Sequence:  A013717
Score: 7.99689
Type of gen. func.: ogf


                        {a(n + 1) - 144 a(n), a(0) = 12}



--------------------------------------------------------------------------------

Sequence:  A013717
Score: 9.9961
Type of gen. func.: ogf


                            -144 f(x) x + f(x) - 12
```

Sequence: A013718
Score: 10.2785
Type of gen. func.: ogf

$$-169 f(x) x + f(x) - 13$$

Sequence: A013718
Score: 16.1519
Type of gen. func.: ogf

$$- \frac{13}{169 x - 1}$$

Sequence: A013718
Score: 27.6446
Type of gen. func.: revegf]

$$1/169 \ln(1 + 13 x)$$

Sequence: A013718
Score: 29.4876
Type of gen. func.: lgdogf

$$- \frac{169}{169 x - 1}$$

Sequence: A013718
Score: 8.22280
Type of gen. func.: ogf

$$\{a(n + 1) - 169 a(n), a(0) = 13\}$$

Sequence: A013719
Score: 10.5609
Type of gen. func.: ogf

$$-196 f(x) x + f(x) - 14$$

Sequence: A013719
Score: 16.5956
Type of gen. func.: ogf

$$-\frac{14}{196 x - 1}$$

Sequence: A013719
Score: 28.4212
Type of gen. func.: revegf]

$$1/196 \ln(1 + 14 x)$$

Sequence: A013719
Score: 30.3159
Type of gen. func.: lgdogf

$$-\frac{196}{196 x - 1}$$

Sequence: A013719
Score: 8.44869
Type of gen. func.: ogf

$$\{a(n + 1) - 196 a(n), a(0) = 14\}$$

Sequence: A013720
Score: 10.7303
Type of gen. func.: ogf

$$-225 f(x) x + f(x) - 15$$

Sequence: A013720
Score: 16.8619
Type of gen. func.: ogf

$$-\frac{15}{225 x - 1}$$

Sequence: A013720
Score: 28.8871
Type of gen. func.: revegf]

$$1/225 \ln(1 + 15 x)$$

Sequence: A013720
Score: 30.8129
Type of gen. func.: lgdogf

$$-\frac{225}{225 x - 1}$$

Sequence: A013720
Score: 8.58424
Type of gen. func.: ogf

$$\{a(n + 1) - 225 a(n), a(0) = 15\}$$

Sequence: A013721
Score: 11.0127
Type of gen. func.: ogf

$$-256 f(x) x + f(x) - 16$$

Sequence: A013721
Score: 17.3056
Type of gen. func.: ogf

$$-\frac{16}{256 x - 1}$$

Sequence: A013721
Score: 29.6636
Type of gen. func.: revegf]

$$1/256 \ln(1 + 16 x)$$

Sequence: A013721
Score: 31.6412
Type of gen. func.: lgdogf

$$-\frac{256}{256 x - 1}$$

Sequence: A013721
Score: 8.81013
Type of gen. func.: ogf

{a(n + 1) - 256 a(n), a(0) = 16}

Sequence: A013722
Score: 14.3874
Type of gen. func.: ogf

$$-\frac{17}{289 x - 1}$$

Sequence: A013722
Score: 24.5785
Type of gen. func.: revegf]

1/289 ln(1 + 17 x)

Sequence: A013722
Score: 26.2170
Type of gen. func.: lgdogf

$$-\frac{289}{289 x - 1}$$

Sequence: A013722
Score: 7.32449
Type of gen. func.: ogf

{a(n + 1) - 289 a(n), a(0) = 17}

```
------------------------------------------------------------------------------

Sequence:  A013722
Score: 9.1556
Type of gen. func.: ogf


                              -289 f(x) x + f(x) - 17



------------------------------------------------------------------------------

Sequence:  A013723
Score: 14.6443
Type of gen. func.: ogf


                                          18
                                    - ---------
                                      324 x - 1



------------------------------------------------------------------------------

Sequence:  A013723
Score: 25.0281
Type of gen. func.: revegf]


                                 1/324 ln(1 + 18 x)



------------------------------------------------------------------------------

Sequence:  A013723
Score: 26.6966
Type of gen. func.: lgdogf


                                          324
                                    - ---------
                                      324 x - 1



------------------------------------------------------------------------------

Sequence:  A013723
Score: 7.45529
Type of gen. func.: ogf


                          {a(n + 1) - 324 a(n), a(0) = 18}



------------------------------------------------------------------------------

Sequence:  A013723
Score: 9.31909
Type of gen. func.: ogf


                              -324 f(x) x + f(x) - 18
```

Sequence: A013724
Score: 14.9012
Type of gen. func.: ogf

$$-\frac{19}{361 x - 1}$$

Sequence: A013724
Score: 25.4777
Type of gen. func.: revegf]

$$1/361 \ln(1 + 19 x)$$

Sequence: A013724
Score: 27.1762
Type of gen. func.: lgdogf

$$-\frac{361}{361 x - 1}$$

Sequence: A013724
Score: 7.58609
Type of gen. func.: ogf

$$\{a(n + 1) - 361 a(n), a(0) = 19\}$$

Sequence: A013724
Score: 9.48259
Type of gen. func.: ogf

$$-361 f(x) x + f(x) - 19$$

Sequence: A013725
Score: 15.1581
Type of gen. func.: ogf

$$-\frac{20}{400 x - 1}$$

Sequence: A013725
Score: 25.9273
Type of gen. func.: revegf]

$$\frac{1}{400} \ln(1 + 20 x)$$

Sequence: A013725
Score: 27.6558
Type of gen. func.: lgdogf

$$- \frac{400}{400 x - 1}$$

Sequence: A013725
Score: 7.71687
Type of gen. func.: ogf

$$\{a(n + 1) - 400 a(n), a(0) = 20\}$$

Sequence: A013725
Score: 9.64608
Type of gen. func.: ogf

$$-400 f(x) x + f(x) - 20$$

Sequence: A013726
Score: 15.3294
Type of gen. func.: ogf

$$- \frac{21}{441 x - 1}$$

Sequence: A013726
Score: 26.2270
Type of gen. func.: revegf]

$$\frac{1}{441} \ln(1 + 21 x)$$

```
--------------------------------------------------------------------------------

Sequence:  A013726
Score: 27.9755
Type of gen. func.: lgdogf


                                         441
                                    - ---------
                                      441 x - 1



--------------------------------------------------------------------------------

Sequence:  A013726
Score: 7.80407
Type of gen. func.: ogf


                          {a(n + 1) - 441 a(n), a(0) = 21}



--------------------------------------------------------------------------------

Sequence:  A013726
Score: 9.75507
Type of gen. func.: ogf


                              -441 f(x) x + f(x) - 21



--------------------------------------------------------------------------------

Sequence:  A013727
Score: 15.6720
Type of gen. func.: ogf


                                         22
                                    - ---------
                                      484 x - 1



--------------------------------------------------------------------------------

Sequence:  A013727
Score: 26.8265
Type of gen. func.: revegf]


                                 1/484 ln(1 + 22 x)



--------------------------------------------------------------------------------

Sequence:  A013727
Score: 28.6149
Type of gen. func.: lgdogf


                                         484
                                    - ---------
                                      484 x - 1
```

Sequence: A013727
Score: 7.97847
Type of gen. func.: ogf

$$\{a(n + 1) - 484 a(n), a(0) = 22\}$$

Sequence: A013727
Score: 9.97306
Type of gen. func.: ogf

$$-484 f(x) x + f(x) - 22$$

Sequence: A013728
Score: 10.0276
Type of gen. func.: ogf

$$-529 f(x) x + f(x) - 23$$

Sequence: A013728
Score: 15.7576
Type of gen. func.: ogf

$$-\frac{23}{529 x - 1}$$

Sequence: A013728
Score: 26.9764
Type of gen. func.: revegf]

$$1/529 \ln(1 + 23 x)$$

Sequence: A013728
Score: 28.7748
Type of gen. func.: lgdogf

$$-\frac{529}{529 x - 1}$$

Sequence: A013728
Score: 8.02207
Type of gen. func.: ogf

$$\{a(n + 1) - 529 a(n), a(0) = 23\}$$

Sequence: A013729
Score: 10.1366
Type of gen. func.: ogf

$$-576 f(x) x + f(x) - 24$$

Sequence: A013729
Score: 15.9289
Type of gen. func.: ogf

$$- \frac{24}{576 x - 1}$$

Sequence: A013729
Score: 27.2761
Type of gen. func.: revegf]

$$1/576 \ln(1 + 24 x)$$

Sequence: A013729
Score: 29.0945
Type of gen. func.: lgdogf

$$- \frac{576}{576 x - 1}$$

Sequence: A013729
Score: 8.10925
Type of gen. func.: ogf

$$\{a(n + 1) - 576 a(n), a(0) = 24\}$$

Sequence: A013730
Score: 12.1558
Type of gen. func.: ogf

$$\{a(n + 1) - 8 a(n), a(0) = 2\}$$

Sequence: A013730
Score: 15.4171
Type of gen. func.: ogf

$$-8 f(x) x + f(x) - 2$$

Sequence: A013730
Score: 25.2840
Type of gen. func.: ogf

$$- \frac{2}{8 x - 1}$$

Sequence: A013730
Score: 47.7012
Type of gen. func.: revogf

$$\frac{x}{2 (4 x + 1)}$$

Sequence: A013730
Score: 56.3742
Type of gen. func.: lgdogf

$$- \frac{8}{8 x - 1}$$

Sequence: A013731
Score: 12.5014
Type of gen. func.: ogf

$$\{a(n + 1) - 8 a(n), a(0) = 4\}$$

```
--------------------------------------------------------------------------------

Sequence:  A013731
Score: 15.8555
Type of gen. func.: ogf

                              -8 f(x) x + f(x) - 4



--------------------------------------------------------------------------------

Sequence:  A013731
Score: 26.0029
Type of gen. func.: ogf

                                          4
                                     - -------
                                        8 x - 1



--------------------------------------------------------------------------------

Sequence:  A013731
Score: 49.0839
Type of gen. func.: revogf

                                         x
                                    -----------
                                    4 (2 x + 1)



--------------------------------------------------------------------------------

Sequence:  A013731
Score: 58.0082
Type of gen. func.: lgdogf

                                          8
                                     - -------
                                        8 x - 1



--------------------------------------------------------------------------------

Sequence:  A013732
Score: 10.7765
Type of gen. func.: ogf

                         {a(n + 1) - 27 a(n), a(0) = 3}



--------------------------------------------------------------------------------

Sequence:  A013732
Score: 13.5989
Type of gen. func.: ogf

                             -27 f(x) x + f(x) - 3
```

Sequence: A013732
Score: 21.9675
Type of gen. func.: ogf

$$-\frac{3}{27 x - 1}$$

Sequence: A013732
Score: 40.0045
Type of gen. func.: revegf]

$$1/27 \ln(1 + 9 x)$$

Sequence: A013732
Score: 43.0818
Type of gen. func.: lgdogf

$$-\frac{27}{27 x - 1}$$

Sequence: A013733
Score: 11.1427
Type of gen. func.: ogf

$$\{a(n + 1) - 27 a(n), a(0) = 9\}$$

Sequence: A013733
Score: 14.061
Type of gen. func.: ogf

$$-27 f(x) x + f(x) - 9$$

Sequence: A013733
Score: 22.7139
Type of gen. func.: ogf

$$-\frac{9}{27 x - 1}$$

Sequence: A013733
Score: 41.3908
Type of gen. func.: revegf]

$$\frac{1}{27} \ln(3 x + 1)$$

Sequence: A013734
Score: 12.4413
Type of gen. func.: ogf

$$-64 f(x) x + f(x) - 4$$

Sequence: A013734
Score: 20.0975
Type of gen. func.: ogf

$$-\frac{4}{64 x - 1}$$

Sequence: A013734
Score: 34.1318
Type of gen. func.: revegf]

$$\frac{1}{64} \ln(1 + 16 x)$$

Sequence: A013734
Score: 39.3829
Type of gen. func.: lgdogf

$$-\frac{64}{64 x - 1}$$

Sequence: A013734
Score: 9.85913
Type of gen. func.: ogf

$$\{a(n + 1) - 64 a(n), a(0) = 4\}$$

Sequence: A013735
Score: 10.0675
Type of gen. func.: ogf

$$\{a(n + 1) - 64 a(n), a(0) = 16\}$$

Sequence: A013735
Score: 12.6429
Type of gen. func.: ogf

$$-64 f(x) x + f(x) - 16$$

Sequence: A013735
Score: 20.1350
Type of gen. func.: ogf

$$-\frac{16}{64 x - 1}$$

Sequence: A013735
Score: 38.0779
Type of gen. func.: revogf

$$\frac{x}{16 (4 x + 1)}$$

Sequence: A013735
Score: 41.0069
Type of gen. func.: lgdogf

$$-\frac{64}{64 x - 1}$$

Sequence: A013736
Score: 11.5721
Type of gen. func.: ogf

$$-125 f(x) x + f(x) - 5$$

Sequence: A013736
Score: 18.4296
Type of gen. func.: ogf

$$-\frac{5}{125 x - 1}$$

Sequence: A013736
Score: 30.4588
Type of gen. func.: revegf]

$$1/125 \ln(1 + 25 x)$$

Sequence: A013736
Score: 32.4894
Type of gen. func.: lgdogf

$$-\frac{125}{125 x - 1}$$

Sequence: A013736
Score: 9.21481
Type of gen. func.: ogf

$$\{a(n + 1) - 125 a(n), a(0) = 5\}$$

Sequence: A013737
Score: 11.892
Type of gen. func.: ogf

$$-125 f(x) x + f(x) - 25$$

Sequence: A013737
Score: 18.6875
Type of gen. func.: ogf

$$-\frac{25}{125 x - 1}$$

Sequence: A013737
Score: 34.1993
Type of gen. func.: lgdogf

$$-\frac{125}{125 x - 1}$$

Sequence: A013737
Score: 34.1993
Type of gen. func.: revegf]

$$1/125 \ln(1 + 5 x)$$

Sequence: A013737
Score: 9.51364
Type of gen. func.: ogf

$$\{a(n + 1) - 125 a(n), a(0) = 25\}$$

Sequence: A013738
Score: 10.6909
Type of gen. func.: ogf

$$-216 f(x) x + f(x) - 6$$

Sequence: A013738
Score: 17.0262
Type of gen. func.: ogf

$$-\frac{6}{216 x - 1}$$

Sequence: A013738
Score: 28.1105
Type of gen. func.: revegf]

$$1/216 \ln(1 + 36 x)$$

Sequence: A013738
Score: 29.9846
Type of gen. func.: lgdogf

$$-\frac{216}{216 x - 1}$$

Sequence: A013738
Score: 8.51311
Type of gen. func.: ogf

{a(n + 1) - 216 a(n), a(0) = 6}

Sequence: A013739
Score: 10.8997
Type of gen. func.: ogf

$$-216 f(x) x + f(x) - 36$$

Sequence: A013739
Score: 17.1281
Type of gen. func.: ogf

$$-\frac{36}{216 x - 1}$$

Sequence: A013739
Score: 31.3099
Type of gen. func.: lgdogf

$$-\frac{216}{216 x - 1}$$

Sequence: A013739
Score: 31.3099
Type of gen. func.: revegf]

$$1/216 \ln(6 x + 1)$$

```
------------------------------------------------------------------------------

Sequence:  A013739
Score: 8.71978
Type of gen. func.: ogf


                        {a(n + 1) - 216 a(n), a(0) = 36}



------------------------------------------------------------------------------

Sequence:  A013740
Score: 11.4421
Type of gen. func.: ogf


                             -343 f(x) x + f(x) - 7



------------------------------------------------------------------------------

Sequence:  A013740
Score: 18.2227
Type of gen. func.: ogf


                                        7
                                  - ---------
                                    343 x - 1



------------------------------------------------------------------------------

Sequence:  A013740
Score: 30.1295
Type of gen. func.: revegf]


                               1/343 ln(1 + 49 x)



------------------------------------------------------------------------------

Sequence:  A013740
Score: 32.1382
Type of gen. func.: lgdogf


                                       343
                                  - ---------
                                    343 x - 1



------------------------------------------------------------------------------

Sequence:  A013740
Score: 9.11133
Type of gen. func.: ogf


                        {a(n + 1) - 343 a(n), a(0) = 7}
```

```
------------------------------------------------------------------------------

Sequence:  A013741
Score: 11.7468
Type of gen. func.: ogf


                            -343 f(x) x + f(x) - 49



------------------------------------------------------------------------------

Sequence:  A013741
Score: 18.4593
Type of gen. func.: ogf


                                       49
                                  - ---------
                                    343 x - 1



------------------------------------------------------------------------------

Sequence:  A013741
Score: 33.7948
Type of gen. func.: lgdogf


                                       343
                                  - ---------
                                    343 x - 1



------------------------------------------------------------------------------

Sequence:  A013741
Score: 33.7948
Type of gen. func.: revegf]


                               1/343 ln(1 + 7 x)



------------------------------------------------------------------------------

Sequence:  A013741
Score: 9.39747
Type of gen. func.: ogf


                        {a(n + 1) - 343 a(n), a(0) = 49}



------------------------------------------------------------------------------

Sequence:  A013742
Score: 12.1356
Type of gen. func.: ogf


                             -512 f(x) x + f(x) - 8
```

Sequence: A013742
Score: 19.3271
Type of gen. func.: ogf

$$-\frac{8}{512 x - 1}$$

Sequence: A013742
Score: 31.9932
Type of gen. func.: revegf]

$$1/512 \ln(1 + 64 x)$$

Sequence: A013742
Score: 34.1261
Type of gen. func.: lgdogf

$$-\frac{512}{512 x - 1}$$

Sequence: A013742
Score: 9.66354
Type of gen. func.: ogf

$$\{a(n + 1) - 512 a(n), a(0) = 8\}$$

Sequence: A013743
Score: 12.481
Type of gen. func.: ogf

$$-512 f(x) x + f(x) - 64$$

Sequence: A013743
Score: 19.6130
Type of gen. func.: ogf

$$-\frac{64}{512 x - 1}$$

Sequence: A013743
Score: 35.9484
Type of gen. func.: lgdogf

$$-\frac{512}{512 x - 1}$$

Sequence: A013743
Score: 35.9484
Type of gen. func.: revegf]

$$1/512 \ln(8 x + 1)$$

Sequence: A013743
Score: 9.98482
Type of gen. func.: ogf

$$\{a(n + 1) - 512 a(n), a(0) = 64\}$$

Sequence: A013744
Score: 10.3723
Type of gen. func.: ogf

$$-729 f(x) x + f(x) - 9$$

Sequence: A013744
Score: 16.5189
Type of gen. func.: ogf

$$-\frac{9}{729 x - 1}$$

Sequence: A013744
Score: 27.2761
Type of gen. func.: revegf]

$$1/729 \ln(1 + 81 x)$$

Sequence: A013744
Score: 29.0945
Type of gen. func.: lgdogf

$$-\frac{729}{729 x - 1}$$

Sequence: A013744
Score: 8.25943
Type of gen. func.: ogf

$$\{a(n + 1) - 729 a(n), a(0) = 9\}$$

Sequence: A013745
Score: 10.736
Type of gen. func.: ogf

$$-729 f(x) x + f(x) - 81$$

Sequence: A013745
Score: 16.8709
Type of gen. func.: ogf

$$-\frac{81}{729 x - 1}$$

Sequence: A013745
Score: 30.8530
Type of gen. func.: lgdogf

$$-\frac{729}{729 x - 1}$$

Sequence: A013745
Score: 30.8530
Type of gen. func.: revegf]

$$1/729 \ln(1 + 9 x)$$

Sequence: A013745
Score: 8.58884
Type of gen. func.: ogf

$$\{a(n + 1) - 729 a(n), a(0) = 81\}$$

Sequence: A013746
Score: 20.9792
Type of gen. func.: revegf]

$$1/1000 \ln(1 + 100 x)$$

Sequence: A013746
Score: 22.2132
Type of gen. func.: lgdogf

$$-\frac{1000}{-1 + 1000 x}$$

Sequence: A013746
Score: 8.59632
Type of gen. func.: ogf

$$-1000 f(x) x + f(x) - 10$$

Sequence: A013747
Score: 23.5677
Type of gen. func.: lgdogf

$$-\frac{1000}{-1 + 1000 x}$$

Sequence: A013747
Score: 23.5677
Type of gen. func.: revegf]

$$1/1000 \ln(1 + 10 x)$$

Sequence: A013747
Score: 8.91
Type of gen. func.: ogf

```
-1000 f(x) x + f(x) - 100
```

Sequence: A013748
Score: 10.8705
Type of gen. func.: ogf

```
-1331 f(x) x + f(x) - 11
```

Sequence: A013748
Score: 16.8680
Type of gen. func.: ogf

```
       11
- ----------
  1331 x - 1
```

Sequence: A013748
Score: 26.6433
Type of gen. func.: revegf]

```
1/1331 ln(1 + 121 x)
```

Sequence: A013748
Score: 28.2106
Type of gen. func.: lgdogf

```
      1331
- ----------
  1331 x - 1
```

Sequence: A013748
Score: 8.73521
Type of gen. func.: ogf

```
{a(n + 1) - 1331 a(n), a(0) = 11}
```

Sequence: A013749
Score: 11.2076
Type of gen. func.: ogf

$$-1331 f(x) x + f(x) - 121$$

Sequence: A013749
Score: 17.1849
Type of gen. func.: ogf

$$-\frac{121}{1331 x - 1}$$

Sequence: A013749
Score: 29.7622
Type of gen. func.: lgdogf

$$-\frac{1331}{1331 x - 1}$$

Sequence: A013749
Score: 29.7622
Type of gen. func.: revegf]

$$1/1331 \ln(1 + 11 x)$$

Sequence: A013749
Score: 9.04470
Type of gen. func.: ogf

$$\{a(n + 1) - 1331 a(n), a(0) = 121\}$$

Sequence: A013750
Score: 21.8746
Type of gen. func.: revegf]

$$1/1728 \ln(1 + 144 x)$$

Sequence: A013750
Score: 23.1613
Type of gen. func.: lgdogf

$$-\frac{1728}{-1 + 1728 x}$$

Sequence: A013750
Score: 8.9545
Type of gen. func.: ogf

$$-1728 f(x) x + f(x) - 12$$

Sequence: A013751
Score: 19.2580
Type of gen. func.: lgdogf

$$-\frac{1728}{-1 + 1728 x}$$

Sequence: A013751
Score: 19.2580
Type of gen. func.: revegf]

$$1/1728 \ln(1 + 12 x)$$

Sequence: A013751
Score: 7.30816
Type of gen. func.: ogf

$$-1728 f(x) x + f(x) - 144$$

Sequence: A013752
Score: 17.4557
Type of gen. func.: revegf]

$$1/2197 \ln(1 + 169 x)$$

Sequence: A013752
Score: 18.4825
Type of gen. func.: lgdogf

$$-\frac{2197}{-1 + 2197 x}$$

Sequence: A013752
Score: 7.1776
Type of gen. func.: ogf

$$-2197 f(x) x + f(x) - 13$$

Sequence: A013753
Score: 11.6398
Type of gen. func.: ogf

$$\{a(n + 1) - 2197 a(n), a(0) = 169\}$$

Sequence: A013753
Score: 14.4233
Type of gen. func.: ogf

$$-2197 f(x) x + f(x) - 169$$

Sequence: A013753
Score: 22.1157
Type of gen. func.: ogf

$$-\frac{169}{-1 + 2197 x}$$

Sequence: A013753
Score: 38.4430
Type of gen. func.: lgdogf

$$-\frac{2197}{-1 + 2197 x}$$

Sequence: A013753
Score: 38.4430
Type of gen. func.: revegf]

$$\frac{1}{2197} \ln(1 + 13 x)$$

Sequence: A013754
Score: 11.6258
Type of gen. func.: ogf

$$\{a(n + 1) - 2744 a(n), a(0) = 14\}$$

Sequence: A013754
Score: 14.4677
Type of gen. func.: ogf

$$-2744 f(x) x + f(x) - 14$$

Sequence: A013754
Score: 22.4499
Type of gen. func.: ogf

$$- \frac{14}{2744 x - 1}$$

Sequence: A013754
Score: 35.6170
Type of gen. func.: revegf]

$$\frac{1}{2744} \ln(1 + 196 x)$$

Sequence: A013754
Score: 37.7122
Type of gen. func.: lgdogf

$$- \frac{2744}{2744 x - 1}$$

Sequence: A013755
Score: 12.198
Type of gen. func.: ogf

$$-2744 f(x) x + f(x) - 196$$

Sequence: A013755
Score: 18.7036
Type of gen. func.: ogf

$$-\frac{196}{2744 x - 1}$$

Sequence: A013755
Score: 32.4422
Type of gen. func.: lgdogf

$$-\frac{2744}{2744 x - 1}$$

Sequence: A013755
Score: 32.4422
Type of gen. func.: revegf]

$$1/2744 \ln(1 + 14 x)$$

Sequence: A013755
Score: 9.84402
Type of gen. func.: ogf

$$\{a(n + 1) - 2744 a(n), a(0) = 196\}$$

Sequence: A013756
Score: 12.0428
Type of gen. func.: ogf

$$-3375 f(x) x + f(x) - 15$$

Sequence: A013756

Score: 18.6871
Type of gen. func.: ogf

$$-\frac{15}{3375 x - 1}$$

Sequence: A013756
Score: 29.5741
Type of gen. func.: revegf]

$$1/3375 \ln(1 + 225 x)$$

Sequence: A013756
Score: 31.3138
Type of gen. func.: lgdogf

$$-\frac{3375}{3375 x - 1}$$

Sequence: A013756
Score: 9.67723
Type of gen. func.: ogf

$$\{a(n + 1) - 3375 a(n), a(0) = 15\}$$

Sequence: A013757
Score: 10.0112
Type of gen. func.: ogf

$$-3375 f(x) x + f(x) - 225$$

Sequence: A013757
Score: 26.5475
Type of gen. func.: lgdogf

$$-\frac{3375}{3375 x - 1}$$

```
Sequence:  A013757
Score: 26.5475
Type of gen. func.: revegf]


                              1/3375 ln(1 + 15 x)



------------------------------------------------------------------------------

Sequence:  A013758
Score: 24.1772
Type of gen. func.: revegf]


                              1/4096 ln(1 + 256 x)



------------------------------------------------------------------------------

Sequence:  A013758
Score: 25.5994
Type of gen. func.: lgdogf


                                      4096
                                 - -----------
                                   -1 + 4096 x



------------------------------------------------------------------------------

Sequence:  A013758
Score: 9.87553
Type of gen. func.: ogf


                            -4096 f(x) x + f(x) - 16



------------------------------------------------------------------------------

Sequence:  A013759
Score: 16.1462
Type of gen. func.: lgdogf


                                      4096
                                 - -----------
                                   -1 + 4096 x



------------------------------------------------------------------------------

Sequence:  A013759
Score: 16.1462
Type of gen. func.: revegf]


                              1/4096 ln(1 + 16 x)



------------------------------------------------------------------------------

Sequence:  A013759
```

Score: 6.14791
Type of gen. func.: ogf

$$-4096 f(x) x + f(x) - 256$$

Sequence: A013760
Score: 14.3250
Type of gen. func.: revegf]

$$1/4913 \ln(1 + 289 x)$$

Sequence: A013760
Score: 15.1677
Type of gen. func.: lgdogf

$$-\frac{4913}{-1 + 4913 x}$$

Sequence: A013760
Score: 5.91486
Type of gen. func.: ogf

$$-4913 f(x) x + f(x) - 17$$

Sequence: A013761
Score: 10.4117
Type of gen. func.: ogf

$$-4913 f(x) x + f(x) - 289$$

Sequence: A013761
Score: 27.6311
Type of gen. func.: lgdogf

$$-\frac{4913}{-1 + 4913 x}$$

Sequence: A013761
Score: 27.6311

```
Type of gen. func.: revegf]


                               1/4913 ln(1 + 17 x)



--------------------------------------------------------------------------------

Sequence:  A013762
Score: 19.5308
Type of gen. func.: revegf]


                               1/5832 ln(1 + 324 x)



--------------------------------------------------------------------------------

Sequence:  A013762
Score: 20.6797
Type of gen. func.: lgdogf


                                        5832
                                   - -----------
                                     -1 + 5832 x



--------------------------------------------------------------------------------

Sequence:  A013762
Score: 8.00766
Type of gen. func.: ogf


                             -5832 f(x) x + f(x) - 18



--------------------------------------------------------------------------------

Sequence:  A013763
Score: 22.1014
Type of gen. func.: lgdogf


                                        5832
                                   - -----------
                                     -1 + 5832 x



--------------------------------------------------------------------------------

Sequence:  A013763
Score: 22.1014
Type of gen. func.: revegf]


                               1/5832 ln(1 + 18 x)



--------------------------------------------------------------------------------

Sequence:  A013763
Score: 8.35901
Type of gen. func.: ogf
```

$$-5832 f(x) x + f(x) - 324$$

Sequence: A013764
Score: 19.7750
Type of gen. func.: revegf]

$$1/6859 \ln(1 + 361 x)$$

Sequence: A013764
Score: 20.9382
Type of gen. func.: lgdogf

$$- \frac{6859}{-1 + 6859 x}$$

Sequence: A013764
Score: 8.10532
Type of gen. func.: ogf

$$-6859 f(x) x + f(x) - 19$$

Sequence: A013765
Score: 22.4892
Type of gen. func.: lgdogf

$$- \frac{6859}{-1 + 6859 x}$$

Sequence: A013765
Score: 22.4892
Type of gen. func.: revegf]

$$1/6859 \ln(1 + 19 x)$$

Sequence: A013765
Score: 8.5023
Type of gen. func.: ogf

$$-6859 f(x) x + f(x) - 361$$

Sequence: A013766
Score: 10.5919
Type of gen. func.: ogf

$$-8000 f(x) x + f(x) - 20$$

Sequence: A013766
Score: 25.9681
Type of gen. func.: revegf]

$$1/8000 \ln(1 + 400 x)$$

Sequence: A013766
Score: 27.4956
Type of gen. func.: lgdogf

$$- \frac{8000}{-1 + 8000 x}$$

Sequence: A013767
Score: 11.0124
Type of gen. func.: ogf

$$-8000 f(x) x + f(x) - 400$$

Sequence: A013767
Score: 29.2564
Type of gen. func.: lgdogf

$$- \frac{8000}{-1 + 8000 x}$$

Sequence: A013767
Score: 29.2564
Type of gen. func.: revegf]

```
                              1/8000 ln(1 + 20 x)



------------------------------------------------------------------------------

Sequence:  A013768
Score: 10.8989
Type of gen. func.: ogf


                              -9261 f(x) x + f(x) - 21



------------------------------------------------------------------------------

Sequence:  A013768
Score: 26.7356
Type of gen. func.: revegf]


                              1/9261 ln(1 + 441 x)



------------------------------------------------------------------------------

Sequence:  A013768
Score: 28.3083
Type of gen. func.: lgdogf


                                            9261
                                   - -----------
                                     -1 + 9261 x



------------------------------------------------------------------------------

Sequence:  A013769
Score: 11.1625
Type of gen. func.: ogf


                             -9261 f(x) x + f(x) - 441



------------------------------------------------------------------------------

Sequence:  A013769
Score: 29.6628
Type of gen. func.: lgdogf


                                            9261
                                   - -----------
                                     -1 + 9261 x



------------------------------------------------------------------------------

Sequence:  A013769
Score: 29.6628
Type of gen. func.: revegf]


                              1/9261 ln(1 + 21 x)
```

Sequence: A013770
Score: 10.662
Type of gen. func.: ogf

$$-10648 f(x) x + f(x) - 22$$

Sequence: A013770
Score: 25.3285
Type of gen. func.: lgdogf

$$-\frac{10648}{-1 + 10648 x}$$

Sequence: A013770
Score: 25.3285
Type of gen. func.: revegf]

$$1/10648 \ln(1 + 484 x)$$

Sequence: A013771
Score: 10.925
Type of gen. func.: ogf

$$-10648 f(x) x + f(x) - 484$$

Sequence: A013771
Score: 26.5404
Type of gen. func.: lgdogf

$$-\frac{10648}{-1 + 10648 x}$$

Sequence: A013771
Score: 28.0148
Type of gen. func.: revegf]

$$1/10648 \ln(1 + 22 x)$$

Sequence: A013772
Score: 10.7621
Type of gen. func.: ogf

$$-12167 f(x) x + f(x) - 23$$

Sequence: A013772
Score: 25.5709
Type of gen. func.: lgdogf

$$-\frac{12167}{-1 + 12167 x}$$

Sequence: A013772
Score: 25.5709
Type of gen. func.: revegf]

$$1/12167 \ln(1 + 529 x)$$

Sequence: A013773
Score: 21.2783
Type of gen. func.: lgdogf

$$-\frac{12167}{-1 + 12167 x}$$

Sequence: A013773
Score: 22.4605
Type of gen. func.: revegf]

$$1/12167 \ln(1 + 23 x)$$

Sequence: A013773
Score: 8.7889
Type of gen. func.: ogf

$$-12167 f(x) x + f(x) - 529$$

```
--------------------------------------------------------------------------------

Sequence:  A013774
Score: 20.1219
Type of gen. func.: lgdogf


                                         13824
                                  - ------------
                                    -1 + 13824 x



--------------------------------------------------------------------------------

Sequence:  A013774
Score: 20.1219
Type of gen. func.: revegf]


                              1/13824 ln(1 + 576 x)



--------------------------------------------------------------------------------

Sequence:  A013774
Score: 8.5023
Type of gen. func.: ogf


                            -13824 f(x) x + f(x) - 24



--------------------------------------------------------------------------------

Sequence:  A013775
Score: 16.3072
Type of gen. func.: lgdogf


                                         13824
                                  - ------------
                                    -1 + 13824 x



--------------------------------------------------------------------------------

Sequence:  A013775
Score: 17.2131
Type of gen. func.: revegf]


                               1/13824 ln(1 + 24 x)



--------------------------------------------------------------------------------

Sequence:  A013775
Score: 6.76925
Type of gen. func.: ogf


                            -13824 f(x) x + f(x) - 576
```

Sequence: A013776
Score: 11.6185
Type of gen. func.: ogf

$$-16 f(x) x + f(x) - 2$$

Sequence: A013776
Score: 18.7683
Type of gen. func.: ogf

$$-\frac{2}{16 x - 1}$$

Sequence: A013776
Score: 34.0632
Type of gen. func.: revegf]

$$1/16 \ln(8 x + 1)$$

Sequence: A013776
Score: 36.6835
Type of gen. func.: lgdogf

$$-\frac{16}{16 x - 1}$$

Sequence: A013776
Score: 9.20709
Type of gen. func.: ogf

$$\{a(n + 1) - 16 a(n), a(0) = 2\}$$

Sequence: A013777
Score: 12.2126
Type of gen. func.: ogf

$$-16 f(x) x + f(x) - 8$$

```
Sequence:  A013777
Score: 19.7280
Type of gen. func.: ogf

                                        8
                                   - --------
                                     16 x - 1



--------------------------------------------------------------------------------

Sequence:  A013777
Score: 35.8456
Type of gen. func.: revegf]

                                1/16 ln(1 + 2 x)



--------------------------------------------------------------------------------

Sequence:  A013777
Score: 41.8199
Type of gen. func.: lgdogf

                                        16
                                   - --------
                                     16 x - 1



--------------------------------------------------------------------------------

Sequence:  A013777
Score: 9.67791
Type of gen. func.: ogf

                         {a(n + 1) - 16 a(n), a(0) = 8}



--------------------------------------------------------------------------------

Sequence:  A013778
Score: 10.2077
Type of gen. func.: ogf

                         {a(n + 1) - 81 a(n), a(0) = 3}



--------------------------------------------------------------------------------

Sequence:  A013778
Score: 12.8811
Type of gen. func.: ogf

                             -81 f(x) x + f(x) - 3



--------------------------------------------------------------------------------
```

Sequence: A013778
Score: 20.8080
Type of gen. func.: ogf

$$-\frac{3}{81 x - 1}$$

Sequence: A013778
Score: 35.3634
Type of gen. func.: revegf]

$$1/81 \ln(1 + 27 x)$$

Sequence: A013778
Score: 40.8039
Type of gen. func.: lgdogf

$$-\frac{81}{81 x - 1}$$

Sequence: A013779
Score: 11.3335
Type of gen. func.: ogf

$$-81 f(x) x + f(x) - 27$$

Sequence: A013779
Score: 18.0496
Type of gen. func.: ogf

$$-\frac{27}{81 x - 1}$$

Sequence: A013779
Score: 34.0772
Type of gen. func.: revogf

$$\frac{x}{27 (1 + 3 x)}$$

Sequence: A013779
Score: 36.6985
Type of gen. func.: lgdogf

$$-\frac{81}{81 x - 1}$$

Sequence: A013779
Score: 9.02481
Type of gen. func.: ogf

$$\{a(n + 1) - 81 a(n), a(0) = 27\}$$

Sequence: A013780
Score: 10.8642
Type of gen. func.: ogf

$$-256 f(x) x + f(x) - 4$$

Sequence: A013780
Score: 17.3023
Type of gen. func.: ogf

$$-\frac{4}{256 x - 1}$$

Sequence: A013780
Score: 28.5765
Type of gen. func.: revegf]

$$1/256 \ln(1 + 64 x)$$

Sequence: A013780
Score: 30.4816
Type of gen. func.: lgdogf

$$-\frac{256}{256 x - 1}$$

```
-------------------------------------------------------------------------------

Sequence:  A013780
Score: 8.65117
Type of gen. func.: ogf


                        {a(n + 1) - 256 a(n), a(0) = 4}



-------------------------------------------------------------------------------

Sequence:  A013781
Score: 11.408
Type of gen. func.: ogf


                            -256 f(x) x + f(x) - 64



-------------------------------------------------------------------------------

Sequence:  A013781
Score: 17.9269
Type of gen. func.: ogf


                                        64
                                  - ---------
                                    256 x - 1



-------------------------------------------------------------------------------

Sequence:  A013781
Score: 32.8008
Type of gen. func.: lgdogf


                                        256
                                  - ---------
                                    256 x - 1



-------------------------------------------------------------------------------

Sequence:  A013781
Score: 32.8008
Type of gen. func.: revegf]


                               1/256 ln(1 + 4 x)



-------------------------------------------------------------------------------

Sequence:  A013781
Score: 9.12640
Type of gen. func.: ogf


                        {a(n + 1) - 256 a(n), a(0) = 64}
```

Sequence: A013782
Score: 10.0935
Type of gen. func.: ogf

$$-625 f(x) x + f(x) - 5$$

Sequence: A013782
Score: 16.0748
Type of gen. func.: ogf

$$- \frac{5}{625 x - 1}$$

Sequence: A013782
Score: 24.9664
Type of gen. func.: revegf]

$$1/625 \ln(1 + 125 x)$$

Sequence: A013782
Score: 8.03741
Type of gen. func.: ogf

$$\{a(n + 1) - 625 a(n), a(0) = 5\}$$

Sequence: A013783
Score: 10.4975
Type of gen. func.: ogf

$$-625 f(x) x + f(x) - 125$$

Sequence: A013783
Score: 16.2892
Type of gen. func.: ogf

$$- \frac{125}{625 x - 1}$$

```
------------------------------------------------------------------------------

Sequence:  A013783
Score: 30.8530
Type of gen. func.: lgdogf


                                       625
                                  - ---------
                                    625 x - 1



------------------------------------------------------------------------------

Sequence:  A013783
Score: 30.8530
Type of gen. func.: revogf


                                       x
                                 -------------
                                 125 (1 + 5 x)



------------------------------------------------------------------------------

Sequence:  A013783
Score: 8.43546
Type of gen. func.: ogf


                       {a(n + 1) - 625 a(n), a(0) = 125}



------------------------------------------------------------------------------

Sequence:  A013784
Score: 10.845
Type of gen. func.: ogf


                            -1296 f(x) x + f(x) - 6



------------------------------------------------------------------------------

Sequence:  A013784
Score: 17.0422
Type of gen. func.: ogf


                                        6
                                  - ----------
                                    1296 x - 1



------------------------------------------------------------------------------

Sequence:  A013784
Score: 25.9773
Type of gen. func.: revegf]


                              1/1296 ln(1 + 216 x)
```

Sequence: A013784
Score: 27.5053
Type of gen. func.: lgdogf

$$-\frac{1296}{1296 x - 1}$$

Sequence: A013784
Score: 8.67604
Type of gen. func.: ogf

{a(n + 1) - 1296 a(n), a(0) = 6}

Sequence: A013785
Score: 11.3118
Type of gen. func.: ogf

-1296 f(x) x + f(x) - 216

Sequence: A013785
Score: 17.3448
Type of gen. func.: ogf

$$-\frac{216}{1296 x - 1}$$

Sequence: A013785
Score: 30.0443
Type of gen. func.: lgdogf

$$-\frac{1296}{1296 x - 1}$$

Sequence: A013785
Score: 31.9220
Type of gen. func.: revegf]

1/1296 ln(1 + 6 x)

```
------------------------------------------------------------------------------

Sequence:  A013785
Score: 9.12884
Type of gen. func.: ogf


                       {a(n + 1) - 1296 a(n), a(0) = 216}



------------------------------------------------------------------------------

Sequence:  A013786
Score: 11.6625
Type of gen. func.: ogf


                            -2401 f(x) x + f(x) - 7



------------------------------------------------------------------------------

Sequence:  A013786
Score: 18.3268
Type of gen. func.: ogf


                                        7
                                  - ----------
                                    2401 x - 1



------------------------------------------------------------------------------

Sequence:  A013786
Score: 27.9755
Type of gen. func.: revegf]


                              1/2401 ln(1 + 343 x)



------------------------------------------------------------------------------

Sequence:  A013786
Score: 29.6211
Type of gen. func.: lgdogf


                                       2401
                                  - ----------
                                    2401 x - 1



------------------------------------------------------------------------------

Sequence:  A013786
Score: 9.33002
Type of gen. func.: ogf


                        {a(n + 1) - 2401 a(n), a(0) = 7}
```

Sequence: A013787
Score: 12.1459
Type of gen. func.: ogf

$$-2401 f(x) x + f(x) - 343$$

Sequence: A013787
Score: 18.6237
Type of gen. func.: ogf

$$-\frac{343}{2401 x - 1}$$

Sequence: A013787
Score: 32.3011
Type of gen. func.: lgdogf

$$-\frac{2401}{2401 x - 1}$$

Sequence: A013787
Score: 34.3199
Type of gen. func.: revegf]

$$1/2401 \ln(1 + 7 x)$$

Sequence: A013787
Score: 9.80195
Type of gen. func.: ogf

$$\{a(n + 1) - 2401 a(n), a(0) = 343\}$$

Sequence: A013788
Score: 12.4255
Type of gen. func.: ogf

$$-4096 f(x) x + f(x) - 8$$

```
-------------------------------------------------------------------------------

Sequence:  A013788
Score: 19.5258
Type of gen. func.: ogf


                                          8
                                    - -----------
                                      -1 + 4096 x



-------------------------------------------------------------------------------

Sequence:  A013788
Score: 29.8405
Type of gen. func.: revegf]


                              1/4096 ln(1 + 512 x)



-------------------------------------------------------------------------------

Sequence:  A013788
Score: 31.5959
Type of gen. func.: lgdogf


                                        4096
                                    - -----------
                                      -1 + 4096 x



-------------------------------------------------------------------------------

Sequence:  A013788
Score: 9.94038
Type of gen. func.: ogf


                        {a(n + 1) - 4096 a(n), a(0) = 8}



-------------------------------------------------------------------------------

Sequence:  A013789
Score: 10.3616
Type of gen. func.: ogf


                           -4096 f(x) x + f(x) - 512



-------------------------------------------------------------------------------

Sequence:  A013789
Score: 27.4956
Type of gen. func.: lgdogf


                                        4096
                                    - -----------
                                      -1 + 4096 x
```

Sequence: A013789
Score: 29.2141
Type of gen. func.: revegf]

$$\frac{1}{4096} \ln(8 x + 1)$$

Sequence: A013790
Score: 10.414
Type of gen. func.: ogf

$$-6561 f(x) x + f(x) - 9$$

Sequence: A013790
Score: 24.9447
Type of gen. func.: revegf]

$$\frac{1}{6561} \ln(1 + 729 x)$$

Sequence: A013790
Score: 26.4121
Type of gen. func.: lgdogf

$$- \frac{6561}{-1 + 6561 x}$$

Sequence: A013791
Score: 10.9123
Type of gen. func.: ogf

$$-6561 f(x) x + f(x) - 729$$

Sequence: A013791
Score: 28.9855
Type of gen. func.: lgdogf

$$- \frac{6561}{-1 + 6561 x}$$

```
------------------------------------------------------------------------------

Sequence:  A013791
Score: 30.7971
Type of gen. func.: revegf]


                               1/6561 ln(1 + 9 x)



------------------------------------------------------------------------------

Sequence:  A013792
Score: 10.662
Type of gen. func.: ogf


                           -10000 f(x) x + f(x) - 10



------------------------------------------------------------------------------

Sequence:  A013792
Score: 24.0621
Type of gen. func.: revegf]


                             1/10000 ln(1 + 1000 x)



------------------------------------------------------------------------------

Sequence:  A013792
Score: 25.3285
Type of gen. func.: lgdogf


                                      10000
                                 - ------------
                                   -1 + 10000 x



------------------------------------------------------------------------------

Sequence:  A013793
Score: 21.7409
Type of gen. func.: lgdogf


                                      10000
                                 - ------------
                                   -1 + 10000 x



------------------------------------------------------------------------------

Sequence:  A013793
Score: 22.9487
Type of gen. func.: revegf]


                              1/10000 ln(1 + 10 x)



------------------------------------------------------------------------------
```

Sequence: A013793
Score: 8.7889
Type of gen. func.: ogf

$$-10000 f(x) x + f(x) - 1000$$

Sequence: A013794
Score: 10.8622
Type of gen. func.: ogf

$$-14641 f(x) x + f(x) - 11$$

Sequence: A013794
Score: 24.5226
Type of gen. func.: revegf]

$$1/14641 \ln(1 + 1331 x)$$

Sequence: A013794
Score: 25.8132
Type of gen. func.: lgdogf

$$-\frac{14641}{-1 + 14641 x}$$

Sequence: A013795
Score: 22.0878
Type of gen. func.: lgdogf

$$-\frac{14641}{-1 + 14641 x}$$

Sequence: A013795
Score: 23.3149
Type of gen. func.: revegf]

$$1/14641 \ln(1 + 11 x)$$

Sequence: A013795
Score: 8.92622
Type of gen. func.: ogf

$$-14641 f(x) x + f(x) - 1331$$

Sequence: A013796
Score: 11.1625
Type of gen. func.: ogf

$$-20736 f(x) x + f(x) - 12$$

Sequence: A013796
Score: 25.2134
Type of gen. func.: revegf]

$$1/20736 \ln(1 + 1728 x)$$

Sequence: A013796
Score: 26.5404
Type of gen. func.: lgdogf

$$- \frac{20736}{-1 + 20736 x}$$

Sequence: A013797
Score: 22.7817
Type of gen. func.: lgdogf

$$- \frac{20736}{-1 + 20736 x}$$

Sequence: A013797
Score: 24.0474
Type of gen. func.: revegf]

$$1/20736 \ln(1 + 12 x)$$

Sequence: A013797

Score: 9.20088
Type of gen. func.: ogf

$$-20736 f(x) x + f(x) - 1728$$

Sequence: A013798
Score: 20.1046
Type of gen. func.: revegf]

$$1/28561 \ln(1 + 2197 x)$$

Sequence: A013798
Score: 21.1627
Type of gen. func.: lgdogf

$$-\frac{28561}{-1 + 28561 x}$$

Sequence: A013798
Score: 8.9322
Type of gen. func.: ogf

$$-28561 f(x) x + f(x) - 13$$

Sequence: A013799
Score: 23.4756
Type of gen. func.: lgdogf

$$-\frac{28561}{-1 + 28561 x}$$

Sequence: A013799
Score: 24.7798
Type of gen. func.: revegf]

$$1/28561 \ln(1 + 13 x)$$

Sequence: A013799
Score: 9.47553

```
Type of gen. func.: ogf


                          -28561 f(x) x + f(x) - 2197



------------------------------------------------------------------------------

Sequence:  A013800
Score: 20.6539
Type of gen. func.: revegf]


                             1/38416 ln(1 + 2744 x)



------------------------------------------------------------------------------

Sequence:  A013800
Score: 21.7409
Type of gen. func.: lgdogf


                                      38416
                                 - ------------
                                   -1 + 38416 x



------------------------------------------------------------------------------

Sequence:  A013800
Score: 9.17102
Type of gen. func.: ogf


                           -38416 f(x) x + f(x) - 14



------------------------------------------------------------------------------

Sequence:  A013801
Score: 24.1694
Type of gen. func.: lgdogf


                                      38416
                                 - ------------
                                   -1 + 38416 x



------------------------------------------------------------------------------

Sequence:  A013801
Score: 25.5122
Type of gen. func.: revegf]


                              1/38416 ln(1 + 14 x)



------------------------------------------------------------------------------

Sequence:  A013801
Score: 9.75018
Type of gen. func.: ogf
```

$$-38416 f(x) x + f(x) - 2744$$

Sequence: A013802
Score: 21.0933
Type of gen. func.: revegf]

$$1/50625 \ln(1 + 3375 x)$$

Sequence: A013802
Score: 22.2035
Type of gen. func.: lgdogf

$$- \frac{50625}{-1 + 50625 x}$$

Sequence: A013802
Score: 9.36209
Type of gen. func.: ogf

$$-50625 f(x) x + f(x) - 15$$

Sequence: A013803
Score: 24.7476
Type of gen. func.: lgdogf

$$- \frac{50625}{-1 + 50625 x}$$

Sequence: A013803
Score: 26.1225
Type of gen. func.: revegf]

$$1/50625 \ln(1 + 15 x)$$

Sequence: A013803
Score: 9.97906
Type of gen. func.: ogf

$$-50625 f(x) x + f(x) - 3375$$

Sequence: A013804
Score: 21.6426
Type of gen. func.: revegf]

$$1/65536 \ln(1 + 4096 x)$$

Sequence: A013804
Score: 22.7817
Type of gen. func.: lgdogf

$$- \frac{65536}{-1 + 65536 x}$$

Sequence: A013804
Score: 9.60092
Type of gen. func.: ogf

$$-65536 f(x) x + f(x) - 16$$

Sequence: A013805
Score: 10.2079
Type of gen. func.: ogf

$$-65536 f(x) x + f(x) - 4096$$

Sequence: A013805
Score: 25.3259
Type of gen. func.: lgdogf

$$- \frac{65536}{-1 + 65536 x}$$

Sequence: A013805
Score: 26.7328
Type of gen. func.: revegf]

```
                              1/65536 ln(1 + 16 x)



--------------------------------------------------------------------------------

Sequence:  A013806
Score: 21.9722
Type of gen. func.: revegf]


                             1/83521 ln(1 + 4913 x)



--------------------------------------------------------------------------------

Sequence:  A013806
Score: 23.1286
Type of gen. func.: lgdogf


                                       83521
                                  - ------------
                                    -1 + 83521 x



--------------------------------------------------------------------------------

Sequence:  A013806
Score: 9.74421
Type of gen. func.: ogf


                           -83521 f(x) x + f(x) - 17



--------------------------------------------------------------------------------

Sequence:  A013807
Score: 10.4368
Type of gen. func.: ogf


                          -83521 f(x) x + f(x) - 4913



--------------------------------------------------------------------------------

Sequence:  A013807
Score: 25.9041
Type of gen. func.: lgdogf


                                       83521
                                  - ------------
                                    -1 + 83521 x



--------------------------------------------------------------------------------

Sequence:  A013807
Score: 27.3432
Type of gen. func.: revegf]


                              1/83521 ln(1 + 17 x)
```

Sequence: A013808
Score: 21.5537
Type of gen. func.: lgdogf

$$-\frac{104976}{-1 + 104976 x}$$

Sequence: A013808
Score: 21.5537
Type of gen. func.: revegf]

$$1/104976 \ln(1 + 5832 x)$$

Sequence: A013808
Score: 9.81739
Type of gen. func.: ogf

$$-104976 f(x) x + f(x) - 18$$

Sequence: A013809
Score: 10.2238
Type of gen. func.: ogf

$$-104976 f(x) x + f(x) - 5832$$

Sequence: A013809
Score: 23.4370
Type of gen. func.: lgdogf

$$-\frac{104976}{-1 + 104976 x}$$

Sequence: A013809
Score: 25.9041
Type of gen. func.: revegf]

$$1/104976 \ln(1 + 18 x)$$

Sequence: A013810
Score: 21.7629
Type of gen. func.: lgdogf

$$-\frac{130321}{-1 + 130321 x}$$

Sequence: A013810
Score: 21.7629
Type of gen. func.: revegf]

$$1/130321 \ln(1 + 6859 x)$$

Sequence: A013810
Score: 9.91089
Type of gen. func.: ogf

$$-130321 f(x) x + f(x) - 19$$

Sequence: A013811
Score: 10.5377
Type of gen. func.: ogf

$$-130321 f(x) x + f(x) - 6859$$

Sequence: A013811
Score: 24.1694
Type of gen. func.: lgdogf

$$-\frac{130321}{-1 + 130321 x}$$

Sequence: A013811
Score: 26.7136
Type of gen. func.: revegf]

$$1/130321 \ln(1 + 19 x)$$

Sequence: A013812
Score: 10.0511
Type of gen. func.: ogf

$$-160000 f(x) x + f(x) - 20$$

Sequence: A013812
Score: 22.0768
Type of gen. func.: lgdogf

$$-\frac{160000}{-1 + 160000 x}$$

Sequence: A013812
Score: 22.0768
Type of gen. func.: revegf]

$$1/160000 \ln(1 + 8000 x)$$

Sequence: A013813
Score: 10.7171
Type of gen. func.: ogf

$$-160000 f(x) x + f(x) - 8000$$

Sequence: A013813
Score: 24.5879
Type of gen. func.: lgdogf

$$-\frac{160000}{-1 + 160000 x}$$

Sequence: A013813
Score: 27.1761
Type of gen. func.: revegf]

$$1/160000 \ln(1 + 20 x)$$

Sequence: A013814
Score: 10.2381
Type of gen. func.: ogf

$$-194481 f(x) x + f(x) - 21$$

Sequence: A013814
Score: 22.4953
Type of gen. func.: lgdogf

$$- \frac{194481}{-1 + 194481 x}$$

Sequence: A013814
Score: 22.4953
Type of gen. func.: revegf]

$$1/194481 \ln(1 + 9261 x)$$

Sequence: A013815
Score: 10.8516
Type of gen. func.: ogf

$$-194481 f(x) x + f(x) - 9261$$

Sequence: A013815
Score: 24.9018
Type of gen. func.: lgdogf

$$- \frac{194481}{-1 + 194481 x}$$

Sequence: A013815
Score: 27.5231
Type of gen. func.: revegf]

$$1/194481 \ln(1 + 21 x)$$

Sequence: A013816
Score: 10.3784
Type of gen. func.: ogf

$$-234256 f(x) x + f(x) - 22$$

Sequence: A013816
Score: 21.7725
Type of gen. func.: revegf]

$$1/234256 \ln(1 + 10648 x)$$

Sequence: A013816
Score: 22.8092
Type of gen. func.: lgdogf

$$-\frac{234256}{-1 + 234256 x}$$

Sequence: A013817
Score: 19.2101
Type of gen. func.: lgdogf

$$-\frac{234256}{-1 + 234256 x}$$

Sequence: A013817
Score: 21.2322
Type of gen. func.: revegf]

$$1/234256 \ln(1 + 22 x)$$

Sequence: A013817
Score: 8.23459
Type of gen. func.: ogf

$$-234256 f(x) x + f(x) - 10648$$

Sequence: A013818
Score: 10.5186
Type of gen. func.: ogf

```
-279841 f(x) x + f(x) - 23
```

Sequence: A013818
Score: 22.0721
Type of gen. func.: revegf]

```
1/279841 ln(1 + 12167 x)
```

Sequence: A013818
Score: 23.1231
Type of gen. func.: lgdogf

```
        279841
  - -------------
    -1 + 279841 x
```

Sequence: A013819
Score: 19.4081
Type of gen. func.: lgdogf

```
        279841
  - -------------
    -1 + 279841 x
```

Sequence: A013819
Score: 21.4511
Type of gen. func.: revegf]

```
1/279841 ln(1 + 23 x)
```

Sequence: A013819
Score: 8.31777
Type of gen. func.: ogf

```
-279841 f(x) x + f(x) - 12167
```

Sequence: A013820

Score: 10.6121
Type of gen. func.: ogf

```
-331776 f(x) x + f(x) - 24
```

Sequence: A013820
Score: 22.2718
Type of gen. func.: revegf]

```
1/331776 ln(1 + 13824 x)
```

Sequence: A013820
Score: 23.3324
Type of gen. func.: lgdogf

```
      331776
 - -------------
   -1 + 331776 x
```

Sequence: A013821
Score: 19.7052
Type of gen. func.: lgdogf

```
      331776
 - -------------
   -1 + 331776 x
```

Sequence: A013821
Score: 21.7794
Type of gen. func.: revegf]

```
1/331776 ln(1 + 24 x)
```

Sequence: A013821
Score: 8.44253
Type of gen. func.: ogf

```
-331776 f(x) x + f(x) - 13824
```

Sequence: A013822
Score: 12.0573

```
Type of gen. func.: ogf


                              -32 f(x) x + f(x) - 2



--------------------------------------------------------------------------------

Sequence:  A013822
Score: 19.4771
Type of gen. func.: ogf


                                          2
                                    - --------
                                      32 x - 1



--------------------------------------------------------------------------------

Sequence:  A013822
Score: 33.0382
Type of gen. func.: revegf]


                                1/32 ln(1 + 16 x)



--------------------------------------------------------------------------------

Sequence:  A013822
Score: 38.1210
Type of gen. func.: lgdogf


                                          32
                                    - --------
                                      32 x - 1



--------------------------------------------------------------------------------

Sequence:  A013822
Score: 9.55481
Type of gen. func.: ogf


                          {a(n + 1) - 32 a(n), a(0) = 2}



--------------------------------------------------------------------------------

Sequence:  A013823
Score: 12.5086
Type of gen. func.: ogf


                              -32 f(x) x + f(x) - 4



--------------------------------------------------------------------------------

Sequence:  A013823
Score: 20.2062
Type of gen. func.: ogf
```

```
                                     4
                                - --------
                                  32 x - 1



------------------------------------------------------------------------------

Sequence:  A013823
Score: 36.7521
Type of gen. func.: revegf]


                              1/32 ln(8 x + 1)



------------------------------------------------------------------------------

Sequence:  A013823
Score: 39.5792
Type of gen. func.: lgdogf


                                     32
                                - --------
                                  32 x - 1



------------------------------------------------------------------------------

Sequence:  A013823
Score: 9.91249
Type of gen. func.: ogf


                       {a(n + 1) - 32 a(n), a(0) = 4}



------------------------------------------------------------------------------

Sequence:  A013824
Score: 12.5086
Type of gen. func.: ogf


                           -32 f(x) x + f(x) - 8



------------------------------------------------------------------------------

Sequence:  A013824
Score: 20.2062
Type of gen. func.: ogf


                                     8
                                - --------
                                  32 x - 1



------------------------------------------------------------------------------

Sequence:  A013824
Score: 36.7521
```

```
Type of gen. func.: revegf]


                                 1/32 ln(1 + 4 x)



--------------------------------------------------------------------------------

Sequence:  A013824
Score: 39.5792
Type of gen. func.: lgdogf


                                          32
                                      - --------
                                        32 x - 1



--------------------------------------------------------------------------------

Sequence:  A013824
Score: 9.91249
Type of gen. func.: ogf


                         {a(n + 1) - 32 a(n), a(0) = 8}



--------------------------------------------------------------------------------

Sequence:  A013825
Score: 10.1301
Type of gen. func.: ogf


                        {a(n + 1) - 32 a(n), a(0) = 16}



--------------------------------------------------------------------------------

Sequence:  A013825
Score: 12.7215
Type of gen. func.: ogf


                              -32 f(x) x + f(x) - 16



--------------------------------------------------------------------------------

Sequence:  A013825
Score: 20.2602
Type of gen. func.: ogf


                                          16
                                      - --------
                                        32 x - 1



--------------------------------------------------------------------------------

Sequence:  A013825
Score: 38.2996
Type of gen. func.: revogf
```

$$\frac{x}{16\,(1 + 2\,x)}$$

Sequence: A013825
Score: 41.2457
Type of gen. func.: lgdogf

$$-\frac{32}{32\,x - 1}$$

Sequence: A013826
Score: 10.6331
Type of gen. func.: ogf

$$-243\,f(x)\,x + f(x) - 3$$

Sequence: A013826
Score: 16.9342
Type of gen. func.: ogf

$$-\frac{3}{243\,x - 1}$$

Sequence: A013826
Score: 27.9552
Type of gen. func.: revegf]

$$1/243\,\ln(1 + 81\,x)$$

Sequence: A013826
Score: 29.8189
Type of gen. func.: lgdogf

$$-\frac{243}{243\,x - 1}$$

Sequence: A013826
Score: 8.46709
Type of gen. func.: ogf

$$\{a(n + 1) - 243 a(n), a(0) = 3\}$$

Sequence: A013827
Score: 10.9798
Type of gen. func.: ogf

$$-243 f(x) x + f(x) - 9$$

Sequence: A013827
Score: 17.4864
Type of gen. func.: ogf

$$- \frac{9}{243 x - 1}$$

Sequence: A013827
Score: 28.8871
Type of gen. func.: revegf]

$$1/243 \ln(1 + 27 x)$$

Sequence: A013827
Score: 30.8129
Type of gen. func.: lgdogf

$$- \frac{243}{243 x - 1}$$

Sequence: A013827
Score: 8.74320
Type of gen. func.: ogf

$$\{a(n + 1) - 243 a(n), a(0) = 9\}$$

Sequence: A013828

Score: 11.0127
Type of gen. func.: ogf

```
-243 f(x) x + f(x) - 27
```

Sequence: A013828
Score: 17.3056
Type of gen. func.: ogf

```
      27
- ---------
  243 x - 1
```

Sequence: A013828
Score: 31.6412
Type of gen. func.: lgdogf

```
      243
- ---------
  243 x - 1
```

Sequence: A013828
Score: 31.6412
Type of gen. func.: revegf]

```
1/243 ln(1 + 9 x)
```

Sequence: A013828
Score: 8.81013
Type of gen. func.: ogf

```
{a(n + 1) - 243 a(n), a(0) = 27}
```

Sequence: A013829
Score: 11.3515
Type of gen. func.: ogf

```
-243 f(x) x + f(x) - 81
```

Sequence: A013829
Score: 17.8381

Type of gen. func.: ogf

```
     81
- ---------
  243 x - 1
```

Sequence: A013829
Score: 32.6352
Type of gen. func.: lgdogf

```
     243
- ---------
  243 x - 1
```

Sequence: A013829
Score: 32.6352
Type of gen. func.: revegf]

```
1/243 ln(1 + 3 x)
```

Sequence: A013829
Score: 9.08122
Type of gen. func.: ogf

```
{a(n + 1) - 243 a(n), a(0) = 81}
```

Sequence: A013830
Score: 10.3545
Type of gen. func.: ogf

```
-1024 f(x) x + f(x) - 4
```

Sequence: A013830
Score: 16.2715
Type of gen. func.: ogf

```
      4
- ----------
  1024 x - 1
```

Sequence: A013830

Score: 24.7783
Type of gen. func.: revegf]

$$\frac{1}{1024} \ln(1 + 256 x)$$

Sequence: A013830
Score: 26.2358
Type of gen. func.: lgdogf

$$- \frac{1024}{1024 x - 1}$$

Sequence: A013830
Score: 8.28365
Type of gen. func.: ogf

$$\{a(n + 1) - 1024 a(n), a(0) = 4\}$$

Sequence: A013831
Score: 10.7106
Type of gen. func.: ogf

$$-1024 f(x) x + f(x) - 16$$

Sequence: A013831
Score: 16.6199
Type of gen. func.: ogf

$$- \frac{16}{1024 x - 1}$$

Sequence: A013831
Score: 27.7874
Type of gen. func.: lgdogf

$$- \frac{1024}{1024 x - 1}$$

Sequence: A013831
Score: 27.7874
Type of gen. func.: revegf]

$$1/1024 \ln(1 + 64 x)$$

Sequence: A013831
Score: 8.60675
Type of gen. func.: ogf

$$\{a(n + 1) - 1024 a(n), a(0) = 16\}$$

Sequence: A013832
Score: 10.7106
Type of gen. func.: ogf

$$-1024 f(x) x + f(x) - 64$$

Sequence: A013832
Score: 16.6199
Type of gen. func.: ogf

$$-\frac{64}{1024 x - 1}$$

Sequence: A013832
Score: 27.7874
Type of gen. func.: lgdogf

$$-\frac{1024}{1024 x - 1}$$

Sequence: A013832
Score: 27.7874
Type of gen. func.: revegf]

$$1/1024 \ln(1 + 16 x)$$

Sequence: A013832

```
Score: 8.60675
Type of gen. func.: ogf


                        {a(n + 1) - 1024 a(n), a(0) = 64}



------------------------------------------------------------------------------

Sequence:  A013833
Score: 11.0512
Type of gen. func.: ogf


                            -1024 f(x) x + f(x) - 256



------------------------------------------------------------------------------

Sequence:  A013833
Score: 16.9452
Type of gen. func.: ogf


                                        256
                                   - ----------
                                     1024 x - 1



------------------------------------------------------------------------------

Sequence:  A013833
Score: 29.3390
Type of gen. func.: lgdogf


                                        1024
                                   - ----------
                                     1024 x - 1



------------------------------------------------------------------------------

Sequence:  A013833
Score: 31.1727
Type of gen. func.: revegf]


                                1/1024 ln(1 + 4 x)



------------------------------------------------------------------------------

Sequence:  A013833
Score: 8.91851
Type of gen. func.: ogf


                        {a(n + 1) - 1024 a(n), a(0) = 256}



------------------------------------------------------------------------------

Sequence:  A013834
Score: 11.9895
```

Type of gen. func.: ogf

$$-3125 f(x) x + f(x) - 5$$

Sequence: A013834
Score: 18.8406
Type of gen. func.: ogf

$$- \frac{5}{3125 x - 1}$$

Sequence: A013834
Score: 28.7748
Type of gen. func.: revegf]

$$1/3125 \ln(1 + 625 x)$$

Sequence: A013834
Score: 30.4674
Type of gen. func.: lgdogf

$$- \frac{3125}{3125 x - 1}$$

Sequence: A013834
Score: 9.59160
Type of gen. func.: ogf

$$\{a(n + 1) - 3125 a(n), a(0) = 5\}$$

Sequence: A013835
Score: 12.0428
Type of gen. func.: ogf

$$-3125 f(x) x + f(x) - 25$$

Sequence: A013835
Score: 18.6871
Type of gen. func.: ogf

$$- \frac{25}{3125 x - 1}$$

Sequence: A013835
Score: 29.5741
Type of gen. func.: revegf]

$$1/3125 \ln(1 + 125 x)$$

Sequence: A013835
Score: 31.3138
Type of gen. func.: lgdogf

$$- \frac{3125}{3125 x - 1}$$

Sequence: A013835
Score: 9.67723
Type of gen. func.: ogf

$$\{a(n + 1) - 3125 a(n), a(0) = 25\}$$

Sequence: A013836
Score: 26.2766
Type of gen. func.: lgdogf

$$- \frac{3125}{3125 x - 1}$$

Sequence: A013836
Score: 26.2766
Type of gen. func.: revegf]

$$1/3125 \ln(1 + 25 x)$$

Sequence: A013836
Score: 9.91113

Type of gen. func.: ogf

$$-3125 f(x) x + f(x) - 125$$

Sequence: A013837
Score: 10.1614
Type of gen. func.: ogf

$$-3125 f(x) x + f(x) - 625$$

Sequence: A013837
Score: 26.9538
Type of gen. func.: lgdogf

$$-\frac{3125}{3125 x - 1}$$

Sequence: A013837
Score: 28.6385
Type of gen. func.: revegf]

$$1/3125 \ln(1 + 5 x)$$

Sequence: A013838
Score: 10.5186
Type of gen. func.: ogf

$$-7776 f(x) x + f(x) - 6$$

Sequence: A013838
Score: 23.8742
Type of gen. func.: revegf]

$$1/7776 \ln(1 + 1296 x)$$

Sequence: A013838
Score: 26.6830
Type of gen. func.: lgdogf

$$-\frac{7776}{-1 + 7776 x}$$

Sequence: A013839
Score: 10.6942
Type of gen. func.: ogf

$$-7776 f(x) x + f(x) - 36$$

Sequence: A013839
Score: 26.2239
Type of gen. func.: revegf]

$$1/7776 \ln(1 + 216 x)$$

Sequence: A013839
Score: 27.7665
Type of gen. func.: lgdogf

$$-\frac{7776}{-1 + 7776 x}$$

Sequence: A013840
Score: 10.8622
Type of gen. func.: ogf

$$-7776 f(x) x + f(x) - 216$$

Sequence: A013840
Score: 28.8501
Type of gen. func.: lgdogf

$$-\frac{7776}{-1 + 7776 x}$$

Sequence: A013840
Score: 28.8501
Type of gen. func.: revegf]

$$\frac{1}{7776} \ln(1 + 36 x)$$

Sequence: A013841
Score: 11.023
Type of gen. func.: ogf

$$-7776 f(x) x + f(x) - 1296$$

Sequence: A013841
Score: 29.9337
Type of gen. func.: lgdogf

$$- \frac{7776}{-1 + 7776 x}$$

Sequence: A013841
Score: 31.8045
Type of gen. func.: revogf

$$\frac{x}{1296 (1 + 6 x)}$$

Sequence: A013842
Score: 11.0524
Type of gen. func.: ogf

$$-16807 f(x) x + f(x) - 7$$

Sequence: A013842
Score: 24.4075
Type of gen. func.: revegf]

$$\frac{1}{16807} \ln(1 + 2401 x)$$

Sequence: A013842
Score: 25.6921
Type of gen. func.: lgdogf

```
                                  16807
                             - ------------
                               -1 + 16807 x
```

Sequence: A013843
Score: 11.2626
Type of gen. func.: ogf

```
                    -16807 f(x) x + f(x) - 49
```

Sequence: A013843
Score: 26.7828
Type of gen. func.: lgdogf

```
                                  16807
                             - ------------
                               -1 + 16807 x
```

Sequence: A013843
Score: 26.7828
Type of gen. func.: revegf]

```
                      1/16807 ln(1 + 343 x)
```

Sequence: A013844
Score: 21.6253
Type of gen. func.: lgdogf

```
                                  16807
                             - ------------
                               -1 + 16807 x
```

Sequence: A013844
Score: 22.8267
Type of gen. func.: revegf]

```
                       1/16807 ln(1 + 49 x)
```

Sequence: A013844
Score: 8.92915
Type of gen. func.: ogf

$$-16807 f(x) x + f(x) - 343$$

Sequence: A013845
Score: 22.5504
Type of gen. func.: lgdogf

$$-\frac{16807}{-1 + 16807 x}$$

Sequence: A013845
Score: 25.2034
Type of gen. func.: revegf]

$$1/16807 \ln(1 + 7 x)$$

Sequence: A013845
Score: 9.10933
Type of gen. func.: ogf

$$-16807 f(x) x + f(x) - 2401$$

Sequence: A013846
Score: 19.9947
Type of gen. func.: revegf]

$$1/32768 \ln(1 + 4096 x)$$

Sequence: A013846
Score: 21.0471
Type of gen. func.: lgdogf

$$-\frac{32768}{-1 + 32768 x}$$

Sequence: A013846
Score: 9.08186
Type of gen. func.: ogf

$$-32768 f(x) x + f(x) - 8$$

Sequence: A013847
Score: 21.9722
Type of gen. func.: lgdogf

$$-\frac{32768}{-1 + 32768 x}$$

Sequence: A013847
Score: 21.9722
Type of gen. func.: revegf]

$$1/32768 \ln(1 + 512 x)$$

Sequence: A013847
Score: 9.26656
Type of gen. func.: ogf

$$-32768 f(x) x + f(x) - 64$$

Sequence: A013848
Score: 23.0130
Type of gen. func.: lgdogf

$$-\frac{32768}{-1 + 32768 x}$$

Sequence: A013848
Score: 24.2915
Type of gen. func.: revegf]

$$1/32768 \ln(1 + 64 x)$$

Sequence: A013848
Score: 9.49014
Type of gen. func.: ogf

$$-32768 f(x) x + f(x) - 512$$

Sequence: A013849
Score: 24.0538
Type of gen. func.: lgdogf

$$-\frac{32768}{-1 + 32768 x}$$

Sequence: A013849
Score: 26.8836
Type of gen. func.: revegf]

$$1/32768 \ln(8 x + 1)$$

Sequence: A013849
Score: 9.70441
Type of gen. func.: ogf

$$-32768 f(x) x + f(x) - 4096$$

Sequence: A013850
Score: 21.2032
Type of gen. func.: revegf]

$$1/59049 \ln(1 + 6561 x)$$

Sequence: A013850
Score: 22.3191
Type of gen. func.: lgdogf

$$-\frac{59049}{-1 + 59049 x}$$

Sequence: A013850
Score: 9.61896
Type of gen. func.: ogf

$$-59049 f(x) x + f(x) - 9$$

Sequence: A013851
Score: 23.2443
Type of gen. func.: lgdogf

$$-\frac{59049}{-1 + 59049 x}$$

Sequence: A013851
Score: 23.2443
Type of gen. func.: revegf]

$$1/59049 \ln(1 + 729 x)$$

Sequence: A013851
Score: 9.79198
Type of gen. func.: ogf

$$-59049 f(x) x + f(x) - 81$$

Sequence: A013852
Score: 10.0044
Type of gen. func.: ogf

$$-59049 f(x) x + f(x) - 729$$

Sequence: A013852
Score: 24.2851
Type of gen. func.: lgdogf

$$-\frac{59049}{-1 + 59049 x}$$

Sequence: A013852
Score: 25.6342
Type of gen. func.: revegf]

$$1/59049 \ln(1 + 81 x)$$

Sequence: A013853
Score: 10.1622
Type of gen. func.: ogf

```
-59049 f(x) x + f(x) - 6561
```

Sequence: A013853
Score: 25.2102
Type of gen. func.: lgdogf

```
      59049
- ------------
  -1 + 59049 x
```

Sequence: A013853
Score: 28.1761
Type of gen. func.: revegf]

```
1/59049 ln(1 + 9 x)
```

Sequence: A013854
Score: 20.5740
Type of gen. func.: revegf]

```
1/100000 ln(1 + 10000 x)
```

Sequence: A013854
Score: 21.5537
Type of gen. func.: lgdogf

```
      100000
- -------------
  -1 + 100000 x
```

Sequence: A013854
Score: 9.81739
Type of gen. func.: ogf

```
-100000 f(x) x + f(x) - 10
```

```
------------------------------------------------------------------------------

Sequence:  A013855
Score: 10.0248
Type of gen. func.: ogf


                          -100000 f(x) x + f(x) - 100



------------------------------------------------------------------------------

Sequence:  A013855
Score: 22.4953
Type of gen. func.: lgdogf


                                     100000
                                - -------------
                                  -1 + 100000 x



------------------------------------------------------------------------------

Sequence:  A013855
Score: 22.4953
Type of gen. func.: revegf]


                            1/100000 ln(1 + 1000 x)



------------------------------------------------------------------------------

Sequence:  A013856
Score: 10.2238
Type of gen. func.: ogf


                          -100000 f(x) x + f(x) - 1000



------------------------------------------------------------------------------

Sequence:  A013856
Score: 23.4370
Type of gen. func.: lgdogf


                                     100000
                                - -------------
                                  -1 + 100000 x



------------------------------------------------------------------------------

Sequence:  A013856
Score: 24.6089
Type of gen. func.: revegf]


                             1/100000 ln(1 + 100 x)



------------------------------------------------------------------------------
```

Sequence: A013857
Score: 18.5169
Type of gen. func.: lgdogf

$$-\frac{100000}{-1 + 100000 x}$$

Sequence: A013857
Score: 20.4661
Type of gen. func.: revegf]

$$1/100000 \ln(1 + 10 x)$$

Sequence: A013857
Score: 7.94347
Type of gen. func.: ogf

$$-100000 f(x) x + f(x) - 10000$$

Sequence: A013858
Score: 10.0044
Type of gen. func.: ogf

$$-161051 f(x) x + f(x) - 11$$

Sequence: A013858
Score: 20.9735
Type of gen. func.: revegf]

$$1/161051 \ln(1 + 14641 x)$$

Sequence: A013858
Score: 21.9722
Type of gen. func.: lgdogf

$$-\frac{161051}{-1 + 161051 x}$$

Sequence: A013859
Score: 10.2079
Type of gen. func.: ogf

$$-161051 f(x) x + f(x) - 121$$

Sequence: A013859
Score: 22.9139
Type of gen. func.: lgdogf

$$-\frac{161051}{-1 + 161051 x}$$

Sequence: A013859
Score: 22.9139
Type of gen. func.: revegf]

$$1/161051 \ln(1 + 1331 x)$$

Sequence: A013860
Score: 10.4032
Type of gen. func.: ogf

$$-161051 f(x) x + f(x) - 1331$$

Sequence: A013860
Score: 23.8555
Type of gen. func.: lgdogf

$$-\frac{161051}{-1 + 161051 x}$$

Sequence: A013860
Score: 25.0483
Type of gen. func.: revegf]

$$1/161051 \ln(1 + 121 x)$$

Sequence: A013861

```
Score: 18.8140
Type of gen. func.: lgdogf


                                     161051
                                - -------------
                                  -1 + 161051 x



------------------------------------------------------------------------------

Sequence:  A013861
Score: 20.7944
Type of gen. func.: revegf]


                             1/161051 ln(1 + 11 x)



------------------------------------------------------------------------------

Sequence:  A013861
Score: 8.06823
Type of gen. func.: ogf


                         -161051 f(x) x + f(x) - 14641



------------------------------------------------------------------------------

Sequence:  A013862
Score: 10.3316
Type of gen. func.: ogf


                           -248832 f(x) x + f(x) - 12



------------------------------------------------------------------------------

Sequence:  A013862
Score: 21.6726
Type of gen. func.: revegf]


                            1/248832 ln(1 + 20736 x)



------------------------------------------------------------------------------

Sequence:  A013862
Score: 22.7046
Type of gen. func.: lgdogf


                                     248832
                                - -------------
                                  -1 + 248832 x



------------------------------------------------------------------------------

Sequence:  A013863
Score: 10.5284
```

Type of gen. func.: ogf

$$-248832 f(x) x + f(x) - 144$$

Sequence: A013863
Score: 23.6463
Type of gen. func.: lgdogf

$$-\frac{248832}{-1 + 248832 x}$$

Sequence: A013863
Score: 23.6463
Type of gen. func.: revegf]

$$1/248832 \ln(1 + 1728 x)$$

Sequence: A013864
Score: 10.8068
Type of gen. func.: ogf

$$-248832 f(x) x + f(x) - 1728$$

Sequence: A013864
Score: 24.7972
Type of gen. func.: lgdogf

$$-\frac{248832}{-1 + 248832 x}$$

Sequence: A013864
Score: 26.0371
Type of gen. func.: revegf]

$$1/248832 \ln(1 + 144 x)$$

Sequence: A013865
Score: 19.5071
Type of gen. func.: lgdogf

$$-\frac{248832}{-1 + 248832 x}$$

Sequence: A013865
Score: 21.5605
Type of gen. func.: revegf]

$$1/248832 \ln(1 + 12 x)$$

Sequence: A013865
Score: 8.35935
Type of gen. func.: ogf

$$-248832 f(x) x + f(x) - 20736$$

Sequence: A013866
Score: 10.6121
Type of gen. func.: ogf

$$-371293 f(x) x + f(x) - 13$$

Sequence: A013866
Score: 22.2718
Type of gen. func.: revegf]

$$1/371293 \ln(1 + 28561 x)$$

Sequence: A013866
Score: 23.3324
Type of gen. func.: lgdogf

$$-\frac{371293}{-1 + 371293 x}$$

Sequence: A013867
Score: 10.8488
Type of gen. func.: ogf

```
                         -371293 f(x) x + f(x) - 169



--------------------------------------------------------------------------------

Sequence:  A013867
Score: 24.3787
Type of gen. func.: revegf]


                           1/371293 ln(1 + 2197 x)



--------------------------------------------------------------------------------

Sequence:  A013868
Score: 19.2101
Type of gen. func.: lgdogf


                                    371293
                               - -------------
                                 -1 + 371293 x



--------------------------------------------------------------------------------

Sequence:  A013868
Score: 20.1706
Type of gen. func.: revegf]


                            1/371293 ln(1 + 169 x)



--------------------------------------------------------------------------------

Sequence:  A013868
Score: 8.40264
Type of gen. func.: ogf


                         -371293 f(x) x + f(x) - 2197



--------------------------------------------------------------------------------

Sequence:  A013869
Score: 20.1013
Type of gen. func.: lgdogf


                                    371293
                               - -------------
                                 -1 + 371293 x



--------------------------------------------------------------------------------

Sequence:  A013869
Score: 22.2172
Type of gen. func.: revegf]
```

$$\frac{1}{371293} \ln(1 + 13 x)$$

Sequence: A013869
Score: 8.60889
Type of gen. func.: ogf

$$-371293 f(x) x + f(x) - 28561$$

Sequence: A013870
Score: 10.8926
Type of gen. func.: ogf

$$-537824 f(x) x + f(x) - 14$$

Sequence: A013870
Score: 22.8711
Type of gen. func.: revegf]

$$\frac{1}{537824} \ln(1 + 38416 x)$$

Sequence: A013870
Score: 23.9602
Type of gen. func.: lgdogf

$$- \frac{537824}{-1 + 537824 x}$$

Sequence: A013871
Score: 11.1692
Type of gen. func.: ogf

$$-537824 f(x) x + f(x) - 196$$

Sequence: A013871
Score: 25.1111
Type of gen. func.: lgdogf

$$- \frac{537824}{-1 + 537824 x}$$

Sequence: A013871
Score: 25.1111
Type of gen. func.: revegf]

$$\frac{1}{537824} \ln(1 + 2744 x)$$

Sequence: A013872
Score: 19.7052
Type of gen. func.: lgdogf

$$- \frac{537824}{-1 + 537824 x}$$

Sequence: A013872
Score: 20.6904
Type of gen. func.: revegf]

$$\frac{1}{537824} \ln(1 + 196 x)$$

Sequence: A013872
Score: 8.61483
Type of gen. func.: ogf

$$-537824 f(x) x + f(x) - 2744$$

Sequence: A013873
Score: 20.5964
Type of gen. func.: lgdogf

$$- \frac{537824}{-1 + 537824 x}$$

Sequence: A013873
Score: 22.7644
Type of gen. func.: revegf]

$$\frac{1}{537824} \ln(1 + 14 x)$$

Sequence: A013873
Score: 8.81683
Type of gen. func.: ogf

$$-537824 f(x) x + f(x) - 38416$$

Sequence: A013874
Score: 11.1731
Type of gen. func.: ogf

$$-759375 f(x) x + f(x) - 15$$

Sequence: A013874
Score: 23.4703
Type of gen. func.: revegf]

$$1/759375 \ln(1 + 50625 x)$$

Sequence: A013874
Score: 24.5879
Type of gen. func.: lgdogf

$$- \frac{759375}{-1 + 759375 x}$$

Sequence: A013875
Score: 11.3981
Type of gen. func.: ogf

$$-759375 f(x) x + f(x) - 225$$

Sequence: A013875
Score: 25.6342
Type of gen. func.: lgdogf

$$- \frac{759375}{-1 + 759375 x}$$

Sequence: A013875
Score: 25.6342
Type of gen. func.: revegf]

$$1/759375 \ln(1 + 3375 x)$$

Sequence: A013876
Score: 20.2003
Type of gen. func.: lgdogf

$$- \frac{759375}{-1 + 759375 x}$$

Sequence: A013876
Score: 21.2103
Type of gen. func.: revegf]

$$1/759375 \ln(1 + 225 x)$$

Sequence: A013876
Score: 8.82702
Type of gen. func.: ogf

$$-759375 f(x) x + f(x) - 3375$$

Sequence: A013877
Score: 21.0915
Type of gen. func.: lgdogf

$$- \frac{759375}{-1 + 759375 x}$$

Sequence: A013877
Score: 23.3116
Type of gen. func.: revegf]

$$1/759375 \ln(1 + 15 x)$$

Sequence: A013877
Score: 9.02478
Type of gen. func.: ogf

$$-759375 f(x) x + f(x) - 50625$$

Sequence: A013878
Score: 11.2608
Type of gen. func.: ogf

$$-1048576 f(x) x + f(x) - 16$$

Sequence: A013878
Score: 23.1186
Type of gen. func.: lgdogf

$$- \frac{1048576}{-1 + 1048576 x}$$

Sequence: A013878
Score: 23.1186
Type of gen. func.: revegf]

$$1/1048576 \ln(1 + 65536 x)$$

Sequence: A013879
Score: 11.4345
Type of gen. func.: ogf

$$-1048576 f(x) x + f(x) - 256$$

Sequence: A013879
Score: 23.9784
Type of gen. func.: lgdogf

$$- \frac{1048576}{-1 + 1048576 x}$$

Sequence: A013879
Score: 25.0683
Type of gen. func.: revegf]

$$\frac{1}{1048576} \ln(1 + 4096 x)$$

Sequence: A013880
Score: 18.7150
Type of gen. func.: lgdogf

$$-\frac{1048576}{-1 + 1048576 x}$$

Sequence: A013880
Score: 20.4973
Type of gen. func.: revegf]

$$\frac{1}{1048576} \ln(1 + 256 x)$$

Sequence: A013880
Score: 8.77524
Type of gen. func.: ogf

$$-1048576 f(x) x + f(x) - 4096$$

Sequence: A013881
Score: 19.4382
Type of gen. func.: lgdogf

$$-\frac{1048576}{-1 + 1048576 x}$$

Sequence: A013881
Score: 22.3540
Type of gen. func.: revegf]

$$\frac{1}{1048576} \ln(1 + 16 x)$$

```
Sequence:  A013881
Score: 8.92937
Type of gen. func.: ogf


                         -1048576 f(x) x + f(x) - 65536



------------------------------------------------------------------------------

Sequence:  A013882
Score: 11.3981
Type of gen. func.: ogf


                          -1419857 f(x) x + f(x) - 17



------------------------------------------------------------------------------

Sequence:  A013882
Score: 23.4052
Type of gen. func.: lgdogf


                                     1419857
                                - --------------
                                  -1 + 1419857 x



------------------------------------------------------------------------------

Sequence:  A013882
Score: 23.4052
Type of gen. func.: revegf]


                           1/1419857 ln(1 + 83521 x)



------------------------------------------------------------------------------

Sequence:  A013883
Score: 11.6587
Type of gen. func.: ogf


                          -1419857 f(x) x + f(x) - 289



------------------------------------------------------------------------------

Sequence:  A013883
Score: 24.4560
Type of gen. func.: lgdogf


                                     1419857
                                - --------------
                                  -1 + 1419857 x



------------------------------------------------------------------------------

Sequence:  A013883
```

Score: 25.5677
Type of gen. func.: revegf]

$$\frac{1}{1419857} \ln(1 + 4913 x)$$

Sequence: A013884
Score: 19.1670
Type of gen. func.: lgdogf

$$- \frac{1419857}{-1 + 1419857 x}$$

Sequence: A013884
Score: 20.9924
Type of gen. func.: revegf]

$$\frac{1}{1419857} \ln(1 + 289 x)$$

Sequence: A013884
Score: 8.98319
Type of gen. func.: ogf

$$-1419857 f(x) x + f(x) - 4913$$

Sequence: A013885
Score: 20.0711
Type of gen. func.: lgdogf

$$- \frac{1419857}{-1 + 1419857 x}$$

Sequence: A013885
Score: 23.0818
Type of gen. func.: revegf]

$$\frac{1}{1419857} \ln(1 + 17 x)$$

Sequence: A013885
Score: 9.21478

```
Type of gen. func.: ogf


                          -1419857 f(x) x + f(x) - 83521



--------------------------------------------------------------------------------

Sequence:  A013886
Score: 11.627
Type of gen. func.: ogf


                           -1889568 f(x) x + f(x) - 18



--------------------------------------------------------------------------------

Sequence:  A013886
Score: 22.8877
Type of gen. func.: revegf]


                            1/1889568 ln(1 + 104976 x)



--------------------------------------------------------------------------------

Sequence:  A013886
Score: 23.8828
Type of gen. func.: lgdogf


                                        1889568
                                   - --------------
                                     -1 + 1889568 x



--------------------------------------------------------------------------------

Sequence:  A013887
Score: 18.7150
Type of gen. func.: lgdogf


                                        1889568
                                   - --------------
                                     -1 + 1889568 x



--------------------------------------------------------------------------------

Sequence:  A013887
Score: 19.5656
Type of gen. func.: revegf]


                             1/1889568 ln(1 + 5832 x)



--------------------------------------------------------------------------------

Sequence:  A013887
Score: 8.95433
Type of gen. func.: ogf
```

$$-1889568 f(x) x + f(x) - 324$$

Sequence: A013888
Score: 19.6191
Type of gen. func.: lgdogf

$$-\frac{1889568}{-1 + 1889568 x}$$

Sequence: A013888
Score: 21.4875
Type of gen. func.: revegf]

$$1/1889568 \ln(1 + 324 x)$$

Sequence: A013888
Score: 9.19113
Type of gen. func.: ogf

$$-1889568 f(x) x + f(x) - 5832$$

Sequence: A013889
Score: 20.5232
Type of gen. func.: lgdogf

$$-\frac{1889568}{-1 + 1889568 x}$$

Sequence: A013889
Score: 23.6016
Type of gen. func.: revegf]

$$1/1889568 \ln(1 + 18 x)$$

Sequence: A013889
Score: 9.23752
Type of gen. func.: ogf

```
                    -1889568 f(x) x + f(x) - 104976


-------------------------------------------------------------------------------

Sequence:  A013890
Score: 11.8559
Type of gen. func.: ogf


                     -2476099 f(x) x + f(x) - 19


-------------------------------------------------------------------------------

Sequence:  A013890
Score: 23.3455
Type of gen. func.: revegf]


                      1/2476099 ln(1 + 130321 x)


-------------------------------------------------------------------------------

Sequence:  A013890
Score: 24.3605
Type of gen. func.: lgdogf


                                  2476099
                              - --------------
                                -1 + 2476099 x


-------------------------------------------------------------------------------

Sequence:  A013891
Score: 18.9862
Type of gen. func.: lgdogf


                                  2476099
                              - --------------
                                -1 + 2476099 x


-------------------------------------------------------------------------------

Sequence:  A013891
Score: 19.8492
Type of gen. func.: revegf]


                       1/2476099 ln(1 + 6859 x)


-------------------------------------------------------------------------------

Sequence:  A013891
Score: 9.08164
Type of gen. func.: ogf
```

$$-2476099 f(x) x + f(x) - 361$$

Sequence: A013892
Score: 19.9807
Type of gen. func.: lgdogf

$$-\frac{2476099}{-1 + 2476099 x}$$

Sequence: A013892
Score: 21.8836
Type of gen. func.: revegf]

$$1/2476099 \ln(1 + 361 x)$$

Sequence: A013892
Score: 9.35749
Type of gen. func.: ogf

$$-2476099 f(x) x + f(x) - 6859$$

Sequence: A013893
Score: 20.8848
Type of gen. func.: lgdogf

$$-\frac{2476099}{-1 + 2476099 x}$$

Sequence: A013893
Score: 24.0175
Type of gen. func.: revegf]

$$1/2476099 \ln(1 + 19 x)$$

Sequence: A013893
Score: 9.39748
Type of gen. func.: ogf

$$-2476099 f(x) x + f(x) - 130321$$

Sequence: A013894
Score: 11.9932
Type of gen. func.: ogf

$$-3200000 f(x) x + f(x) - 20$$

Sequence: A013894
Score: 23.6201
Type of gen. func.: revegf]

$$1/3200000 \ln(1 + 160000 x)$$

Sequence: A013894
Score: 24.6471
Type of gen. func.: lgdogf

$$- \frac{3200000}{-1 + 3200000 x}$$

Sequence: A013895
Score: 19.4382
Type of gen. func.: lgdogf

$$- \frac{3200000}{-1 + 3200000 x}$$

Sequence: A013895
Score: 20.3218
Type of gen. func.: revegf]

$$1/3200000 \ln(1 + 8000 x)$$

Sequence: A013895
Score: 9.29383
Type of gen. func.: ogf

$$-3200000 f(x) x + f(x) - 400$$

Sequence: A013896
Score: 20.1615
Type of gen. func.: lgdogf

$$-\frac{3200000}{-1 + 3200000 x}$$

Sequence: A013896
Score: 22.0817
Type of gen. func.: revegf]

$$1/3200000 \ln(1 + 400 x)$$

Sequence: A013896
Score: 9.44066
Type of gen. func.: ogf

$$-3200000 f(x) x + f(x) - 8000$$

Sequence: A013897
Score: 21.2465
Type of gen. func.: lgdogf

$$-\frac{3200000}{-1 + 3200000 x}$$

Sequence: A013897
Score: 24.4334
Type of gen. func.: revegf]

$$1/3200000 \ln(1 + 20 x)$$

Sequence: A013897
Score: 9.55743
Type of gen. func.: ogf

$$-3200000 f(x) x + f(x) - 160000$$

Sequence: A013898
Score: 12.1763
Type of gen. func.: ogf

$$-4084101 f(x) x + f(x) - 21$$

Sequence: A013898
Score: 23.9863
Type of gen. func.: revegf]

$$1/4084101 \ln(1 + 194481 x)$$

Sequence: A013898
Score: 25.0292
Type of gen. func.: lgdogf

$$- \frac{4084101}{-1 + 4084101 x}$$

Sequence: A013899
Score: 19.6191
Type of gen. func.: lgdogf

$$- \frac{4084101}{-1 + 4084101 x}$$

Sequence: A013899
Score: 20.5108
Type of gen. func.: revegf]

$$1/4084101 \ln(1 + 9261 x)$$

Sequence: A013899
Score: 9.37871
Type of gen. func.: ogf

$$-4084101 f(x) x + f(x) - 441$$

Sequence: A013900
Score: 20.6136
Type of gen. func.: lgdogf

$$-\frac{4084101}{-1 + 4084101 x}$$

Sequence: A013900
Score: 22.5768
Type of gen. func.: revegf]

$$1/4084101 \ln(1 + 441 x)$$

Sequence: A013900
Score: 9.64861
Type of gen. func.: ogf

$$-4084101 f(x) x + f(x) - 9261$$

Sequence: A013901
Score: 21.5177
Type of gen. func.: lgdogf

$$-\frac{4084101}{-1 + 4084101 x}$$

Sequence: A013901
Score: 24.7453
Type of gen. func.: revegf]

$$1/4084101 \ln(1 + 21 x)$$

Sequence: A013901
Score: 9.6774
Type of gen. func.: ogf

$$-4084101 f(x) x + f(x) - 194481$$

Sequence: A013902
Score: 12.4052
Type of gen. func.: ogf

$$-5153632 f(x) x + f(x) - 22$$

Sequence: A013902
Score: 24.4441
Type of gen. func.: revegf]

$$1/5153632 \ln(1 + 234256 x)$$

Sequence: A013902
Score: 25.5069
Type of gen. func.: lgdogf

$$-\frac{5153632}{-1 + 5153632 x}$$

Sequence: A013903
Score: 19.8903
Type of gen. func.: lgdogf

$$-\frac{5153632}{-1 + 5153632 x}$$

Sequence: A013903
Score: 19.8903
Type of gen. func.: revegf]

$$1/5153632 \ln(1 + 10648 x)$$

Sequence: A013903
Score: 9.50602
Type of gen. func.: ogf

$$-5153632 f(x) x + f(x) - 484$$

Sequence: A013904
Score: 20.9752
Type of gen. func.: lgdogf

$$-\frac{5153632}{-1 + 5153632 x}$$

Sequence: A013904
Score: 22.9729
Type of gen. func.: revegf]

$$1/5153632 \ln(1 + 484 x)$$

Sequence: A013904
Score: 9.62251
Type of gen. func.: ogf

$$-5153632 f(x) x + f(x) - 10648$$

Sequence: A013905
Score: 21.8793
Type of gen. func.: lgdogf

$$-\frac{5153632}{-1 + 5153632 x}$$

Sequence: A013905
Score: 25.1612
Type of gen. func.: revegf]

$$1/5153632 \ln(1 + 22 x)$$

Sequence: A013905
Score: 9.83736
Type of gen. func.: ogf

$$-5153632 f(x) x + f(x) - 234256$$

Sequence: A013906

```
Score: 12.5425
Type of gen. func.: ogf


                          -6436343 f(x) x + f(x) - 23



------------------------------------------------------------------------------

Sequence:  A013906
Score: 24.7187
Type of gen. func.: revegf]


                           1/6436343 ln(1 + 279841 x)



------------------------------------------------------------------------------

Sequence:  A013906
Score: 25.7935
Type of gen. func.: lgdogf


                                     6436343
                                - --------------
                                  -1 + 6436343 x



------------------------------------------------------------------------------

Sequence:  A013907
Score: 20.1615
Type of gen. func.: lgdogf


                                     6436343
                                - --------------
                                  -1 + 6436343 x



------------------------------------------------------------------------------

Sequence:  A013907
Score: 20.1615
Type of gen. func.: revegf]


                           1/6436343 ln(1 + 12167 x)



------------------------------------------------------------------------------

Sequence:  A013907
Score: 9.63333
Type of gen. func.: ogf


                          -6436343 f(x) x + f(x) - 529



------------------------------------------------------------------------------

Sequence:  A013908
Score: 23.1709
```

Type of gen. func.: revegf]

$$\frac{1}{6436343} \ln(1 + 529 x)$$

Sequence: A013908
Score: 9.70406
Type of gen. func.: ogf

$$-6436343 f(x) x + f(x) - 12167$$

Sequence: A013909
Score: 22.2410
Type of gen. func.: lgdogf

$$-\frac{6436343}{-1 + 6436343 x}$$

Sequence: A013909
Score: 25.5771
Type of gen. func.: revegf]

$$\frac{1}{6436343} \ln(1 + 23 x)$$

Sequence: A013909
Score: 9.99731
Type of gen. func.: ogf

$$-6436343 f(x) x + f(x) - 279841$$

Sequence: A013910
Score: 13.2971
Type of gen. func.: revegf]

$$\frac{1}{7962624} \ln(1 + 331776 x)$$

Sequence: A013911
Score: 20.5232
Type of gen. func.: lgdogf

$$-\frac{7962624}{-1 + 7962624 x}$$

Sequence: A013911
Score: 20.5232
Type of gen. func.: revegf]

1/7962624 ln(1 + 13824 x)

Sequence: A013911
Score: 9.80308
Type of gen. func.: ogf

-7962624 f(x) x + f(x) - 576

Sequence: A013912
Score: 21.4273
Type of gen. func.: lgdogf

$$-\frac{7962624}{-1 + 7962624 x}$$

Sequence: A013912
Score: 23.4680
Type of gen. func.: revegf]

1/7962624 ln(1 + 576 x)

Sequence: A013912
Score: 9.82638
Type of gen. func.: ogf

-7962624 f(x) x + f(x) - 13824

Sequence: A013913
Score: 10.1173
Type of gen. func.: ogf

-7962624 f(x) x + f(x) - 331776

Sequence: A013913
Score: 22.5122
Type of gen. func.: lgdogf

$$-\frac{7962624}{-1 + 7962624 x}$$

Sequence: A013913
Score: 25.8890
Type of gen. func.: revegf]

$$1/7962624 \ln(1 + 24 x)$$

Sequence: A013915
Score: 10.7797
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 6 x^4 + 20 x^3 - 16 x^2 - x + 3}{(x - 1) (x^2 + x - 1) (2 x^3 - 4 x^2 + 6 x - 3)}$$

Sequence: A013915
Score: 4.19921
Type of gen. func.: ogf

$\{a(n) n + a(n + 1) + (-2 n + 1) a(n + 2) + (n - 1) a(n + 3), a(0) = 3, a(1) = 3,$

$a(2) = 7, a(3) = 10, a(4) = 16\}$

Sequence: A013915
Score: 5.1549
Type of gen. func.: ogf

$-(97 f(x) + 3840)$

$(f(x) x^4 - f(x) x^3 - 2 f(x) x^2 - 2 x^3 + 3 f(x) x + 4 x^2 - f(x) - 6 x + 3)$

Sequence: A013915
Score: 9.70727
Type of gen. func.: ogf

$$\frac{2 x^{3} - 4 x^{2} + 6 x - 3}{(x^{2} + x - 1) (x - 1)^{2}}$$

Sequence: A013945
Score: 10.4347
Type of gen. func.: lgdogf

$$- \frac{x^{6} + 6 x^{5} + 2 x^{4} + 20 x^{3} + 7 x^{2} + 22 x + 2}{(x - 1) (x + 1) (x^{5} + 3 x^{4} - x^{3} + 2 x^{2} + 2 x + 3)}$$

Sequence: A013945
Score: 9.32349
Type of gen. func.: ogf

$$- \frac{x^{5} + 3 x^{4} - x^{3} + 2 x^{2} + 2 x + 3}{(x - 1)^{3} (x + 1)^{3}}$$

Sequence: A013950
Score: 6.96261
Type of gen. func.: ogf

$$- \frac{(x^{2} + x + 1) (x^{6} - x^{5} + x^{4} - x^{2} - 1)}{(x - 1) (x + 1) (x^{2} + 1) (2 x^{3} - x^{2} + x - 1)}$$

Sequence: A013977
Score: 6.60937
Type of gen. func.: ogf

$$\frac{x^{7} + 21 x^{6} + 35 x^{5} + 47 x^{4} + 58 x^{3} + 21 x^{2} + 8 x + 1}{(x^{2} + x + 1)^{2} (x - 1)^{4}}$$

Sequence: A013977
Score: 7.19569
Type of gen. func.: lgdogf

$$-\left(x^9+44x^8+149x^7+307x^6+580x^5+511x^4+402x^3+240x^2+60x+10\right) \Big/ \left((x-1)\left(x^2+x+1\right)\left(x^7+21x^6+35x^5+47x^4+58x^3+21x^2+8x+1\right)\right)$$

Sequence: A013978
Score: 3.93256
Type of gen. func.: ogf

$$\frac{x^8+7x^7+21x^6+19x^5+21x^4+18x^3+8x^2+1}{(x+1)^2\left(x^2+x+1\right)^2(x-1)^4}$$

Sequence: A013979
Score: 20.2403
Type of gen. func.: ogf

$$-\frac{1}{(x+1)\left(x^3+x-1\right)}$$

Sequence: A013979
Score: 24.4790
Type of gen. func.: lgdogf

$$-\frac{x\left(4x^2+3x+2\right)}{(x+1)\left(x^3+x-1\right)}$$

Sequence: A013979
Score: 6.74676
Type of gen. func.: ogf

```
{a(n + 4) - a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 1}



------------------------------------------------------------------------------

Sequence:  A013979
Score: 8.05682
Type of gen. func.: ogf


                                  4          3          2
             -(2 f(x) - 1) (f(x) x  + f(x) x  + f(x) x  - f(x) + 1)



------------------------------------------------------------------------------

Sequence:  A013982
Score: 12.3066
Type of gen. func.: ogf


                                          1
                               - ---------------------
                                  5    4    3    2
                                 x  + x  + x  + x  - 1



------------------------------------------------------------------------------

Sequence:  A013982
Score: 13.7719
Type of gen. func.: lgdogf


                                     3      2
                               x (5 x  + 4 x  + 3 x + 2)
                             - -------------------------
                                  5    4    3    2
                                 x  + x  + x  + x  - 1



------------------------------------------------------------------------------

Sequence:  A013983
Score: 10.9595
Type of gen. func.: ogf


                                          1
                             - -------------------------
                                          5    3
                               (x + 1) (x  + x  + x - 1)



------------------------------------------------------------------------------

Sequence:  A013983
Score: 12.7887
Type of gen. func.: lgdogf


                                  4      3      2
                            x (6 x  + 5 x  + 4 x  + 3 x + 2)
                          - --------------------------------
                                          5    3
```

$$(x + 1)\,(x + x + x - 1)$$

Sequence: A013984
Score: 9.72171
Type of gen. func.: ogf

$$-\frac{1}{x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} - 1}$$

Sequence: A013984
Score: 9.85838
Type of gen. func.: lgdogf

$$-\frac{x\,(7\,x^{5} + 6\,x^{4} + 5\,x^{3} + 4\,x^{2} + 3\,x + 2)}{x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} - 1}$$

Sequence: A013985
Score: 8.70578
Type of gen. func.: ogf

$$-\frac{1}{(x + 1)\,(x^{7} + x^{5} + x^{3} + x - 1)}$$

Sequence: A013985
Score: 9.76077
Type of gen. func.: lgdogf

$$-\frac{x\,(8\,x^{6} + 7\,x^{5} + 6\,x^{4} + 5\,x^{3} + 4\,x^{2} + 3\,x + 2)}{(x + 1)\,(x^{7} + x^{5} + x^{3} + x - 1)}$$

Sequence: A013986
Score: 7.56988
Type of gen. func.: lgdogf

$$x\,(9\,x^{7} + 8\,x^{6} + 7\,x^{5} + 6\,x^{4} + 5\,x^{3} + 4\,x^{2} + 3\,x + 2)$$

$$-\frac{\qquad}{x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 - 1}$$

Sequence: A013986
Score: 7.89053
Type of gen. func.: ogf

$$-\frac{1}{x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 - 1}$$

Sequence: A013987
Score: 8.83004
Type of gen. func.: ogf

$$-\frac{1}{(x + 1)\,(x^9 + x^7 + x^5 + x^3 + x - 1)}$$

Sequence: A013987
Score: 9.67362
Type of gen. func.: lgdogf

$$-\frac{x\,(10\,x^8 + 9\,x^7 + 8\,x^6 + 7\,x^5 + 6\,x^4 + 5\,x^3 + 4\,x^2 + 3\,x + 2)}{(x + 1)\,(x^9 + x^7 + x^5 + x^3 + x - 1)}$$

Sequence: A013989
Score: 19.8581
Type of gen. func.: lgdegf]

$$\frac{x^3 + 2\,x^2 + 4\,x + 2}{x^2 + x + 1}$$

Sequence: A013989
Score: 3.45101
Type of gen. func.: ogf

$$\{(-n^2 - 7 n - 12) a(n + 1) + (-4 - n) a(n + 2) + (n + 3) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A013991
Score: 6.43542
Type of gen. func.: ogf

$$\frac{7 x^6 - 15 x^5 + 12 x^4 - 2 x^3 - 4 x^2 + 5 x - 1}{(x^2 - x + 1) (7 x^4 - 9 x^3 + 5 x - 1)}$$

Sequence: A013999
Score: 3.04566
Type of gen. func.: ogf

$$\{(n + 4) a(n + 1) + (-2 n - 9) a(n + 2) + (n + 7) a(n + 3) - a(n + 4), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 8\}$$

Sequence: A014010
Score: 6.69260
Type of gen. func.: lgdogf

$$- \frac{6 x^8 + 7 x^6 + 2 x^5 - 11 x^4 - 3 x^2 + 2 x + 6}{(x - 1) (2 x^4 + x^2 - 2) (3 x^4 + 2 x^3 + 3 x^2 + 2 x - 1)}$$

Sequence: A014010
Score: 9.19580
Type of gen. func.: ogf

$$- \frac{2 x^4 + x^2 - 2}{(x - 1) (3 x^4 + 2 x^3 + 3 x^2 + 2 x - 1)}$$

Sequence: A014011
Score: 6.40756
Type of gen. func.: ogf

$$-\frac{x^{24} - x^{20} - x^{16} + x^{14} - x^{8} - x^{6} + x^{4} + x^{2} + 1}{(x + 1)\,(x^{2} + x + 1)\,(x^{2} - x + 1)\,(x - 1)^{3}}$$

Sequence: A014016
Score: 13.1076
Type of gen. func.: lgdogf

$$-\frac{6 x^{5} + 5 x^{4} + 4 x^{3} + 3 x^{2} + 2 x + 1}{x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1}$$

Sequence: A014016
Score: 18.9304
Type of gen. func.: ogf_with_Euler_transform]

$$[x^{6} - 1]$$

Sequence: A014016
Score: 7.30155
Type of gen. func.: ogf

$$\frac{1}{x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1}$$

Sequence: A014017
Score: 11.2541
Type of gen. func.: ogf

$$f(x)\,x^{4} + f(x) - 1$$

Sequence: A014017
Score: 15.9109
Type of gen. func.: ogf

$$\frac{1}{}$$

$$x^4 + 1$$

Sequence: A014017
Score: 18.4045
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 - x^3$$

Sequence: A014018
Score: 12.1144
Type of gen. func.: ogf

$$\frac{1}{x^6 + x^3 + 1}$$

Sequence: A014018
Score: 17.8787
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 - x^2$$

Sequence: A014019
Score: 10.4929
Type of gen. func.: ogf

$$\frac{1}{x^4 - x^3 + x^2 - x + 1}$$

Sequence: A014019
Score: 15.5363
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 - x^4 - x + 1$$

Sequence: A014019
Score: 4.39445
Type of gen. func.: ogf

$$(f(x) - 1) (f(x) x^4 - f(x) x^3 + f(x) x^2 - f(x) x + f(x) - 1)$$

Sequence: A014020
Score: 19.9183
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} - 1$$

Sequence: A014020
Score: 4.48413
Type of gen. func.: ogf

$$\frac{1}{x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}$$

Sequence: A014021
Score: 13.3021
Type of gen. func.: ogf

$$\frac{1}{x^4 - x^2 + 1}$$

Sequence: A014021
Score: 5.79033
Type of gen. func.: ogf

$$-(f(x) - 2) (f(x) x^4 - f(x) x^2 + f(x) - 1)$$

Sequence: A014021
Score: 9.81574
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} - x (x^4 + x^2 - 1)$$

Sequence: A014022
Score: 19.5200
Type of gen. func.: ogf_with_Euler_transform]

$$x^{12} - 1$$

Sequence: A014023
Score: 13.9194
Type of gen. func.: ogf_with_Euler_transform]

$$x^{13} - x^{6} - x + 1$$

Sequence: A014023
Score: 7.30155
Type of gen. func.: ogf

$$\frac{1}{x^{6} - x^{5} + x^{4} - x^{3} + x^{2} - x + 1}$$

Sequence: A014024
Score: 13.6074
Type of gen. func.: ogf_with_Euler_transform]

$$x^{14} - x^{4} - x^{2} + 1$$

Sequence: A014024
Score: 8.50074
Type of gen. func.: ogf

$$\frac{1}{x^{8} - x^{7} + x^{5} - x^{4} + x^{3} - x + 1}$$

Sequence: A014025
Score: 18.2220

Type of gen. func.: ogf

$$\frac{1}{x^{8} + 1}$$

Sequence: A014025
Score: 20.2797
Type of gen. func.: ogf_with_Euler_transform]

$$x^{15} - x^{7}$$

Sequence: A014025
Score: 66.6292
Type of gen. func.: lgdogf

$$-\frac{8 x^{7}}{x^{8} + 1}$$

Sequence: A014026
Score: 18.7232
Type of gen. func.: ogf_with_Euler_transform]

$$x^{16} - 1$$

Sequence: A014027
Score: 12.1144
Type of gen. func.: ogf

$$\frac{1}{x^{6} - x^{3} + 1}$$

Sequence: A014028
Score: 18.7232
Type of gen. func.: ogf_with_Euler_transform]

18

$$x - 1$$

Sequence: A014029
Score: 11.6470
Type of gen. func.: ogf_with_Euler_transform]

$$x^{19} - x^{9} - x^{3} + x$$

Sequence: A014029
Score: 8.37432
Type of gen. func.: ogf

$$\frac{1}{x^{8} - x^{6} + x^{4} - x^{2} + 1}$$

Sequence: A014030
Score: 12.4542
Type of gen. func.: ogf_with_Euler_transform]

$$x^{20} - x^{6} - x^{2} + 1$$

Sequence: A014030
Score: 6.00761
Type of gen. func.: ogf

$$\frac{1}{x^{12} - x^{11} + x^{9} - x^{8} + x^{6} - x^{4} + x^{3} - x + 1}$$

Sequence: A014031
Score: 12.5201
Type of gen. func.: ogf_with_Euler_transform]

$$x^{21} - x^{10} - x + 1$$

Sequence: A014031

Score: 4.48413
Type of gen. func.: ogf

$$\frac{1}{x^{10} - x^{9} + x^{8} - x^{7} + x^{6} - x^{5} + x^{4} - x^{3} + x^{2} - x + 1}$$

Sequence: A014032
Score: 18.3249
Type of gen. func.: ogf_with_Euler_transform]

$$x^{22} - 1$$

Sequence: A014033
Score: 11.6394
Type of gen. func.: ogf

$$\frac{1}{x^{8} - x^{4} + 1}$$

Sequence: A014033
Score: 9.98695
Type of gen. func.: ogf_with_Euler_transform]

$$x^{23} - x^{11} - x^{7} + x^{3}$$

Sequence: A014034
Score: 15.5057
Type of gen. func.: ogf_with_Euler_transform]

$$x^{24} - x^{4}$$

Sequence: A014034
Score: 7.21945
Type of gen. func.: ogf

```
                  1
      -----------------------
       20    15    10    5
```

```
                            x   + x   + x   + x  + 1



-------------------------------------------------------------------------------

Sequence:  A014095
Score: 4.03532
Type of gen. func.: ogf


           8      7       6       5       4       3       2
          x  - 3 x  + 13 x  - 17 x  + 44 x  - 17 x  + 13 x  - 3 x + 1
          ------------------------------------------------------------
                                      4        8
                               (x + 1)  (x - 1)



-------------------------------------------------------------------------------

Sequence:  A014095
Score: 5.86829
Type of gen. func.: lgdogf


      9        8       7       6        5       4        3       2
- (4 x  - 11 x  + 74 x  - 88 x  + 362 x  - 62 x  + 238 x  - 32 x  + 26 x + 1)

       /
      /  ((x - 1) (x + 1)
     /

      8      7       6       5       4       3       2
    (x  - 3 x  + 13 x  - 17 x  + 44 x  - 17 x  + 13 x  - 3 x + 1))



-------------------------------------------------------------------------------

Sequence:  A014097
Score: 12.7851
Type of gen. func.: ogf


                                        3
                                     4 x  + 1
                                  - ----------
                                     4
                                    x  + x - 1



-------------------------------------------------------------------------------

Sequence:  A014097
Score: 14.2282
Type of gen. func.: lgdogf


                                6      3       2
                             4 x  - 4 x  + 12 x  + 1
                           - -----------------------
                                 3        4
                             (4 x  + 1) (x  + x - 1)



-------------------------------------------------------------------------------

Sequence:  A014097
```

Score: 5.91008
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 3) + a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 5\}$$

Sequence: A014097
Score: 6.59441
Type of gen. func.: ogf

$$(283 f(x) - 10193) (f(x) x^4 + 4 x^3 + f(x) x - f(x) + 1)$$

Sequence: A014098
Score: 12.6356
Type of gen. func.: ogf

$$-\frac{3 x^3 + 1}{x^4 + x - 1}$$

Sequence: A014098
Score: 14.3926
Type of gen. func.: lgdogf

$$-\frac{3 x^6 - 2 x^3 + 9 x^2 + 1}{(3 x^3 + 1) (x^4 + x - 1)}$$

Sequence: A014098
Score: 5.84096
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 3) + a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 4\}$$

Sequence: A014098
Score: 6.58662
Type of gen. func.: ogf

$$(151 f(x) - 2743) (f(x) x^4 + 3 x^3 + f(x) x - f(x) + 1)$$

Sequence: A014101
Score: 13.0240
Type of gen. func.: ogf

$$-\frac{2x^3+1}{x^4+x-1}$$

Sequence: A014101
Score: 17.3172
Type of gen. func.: lgdogf

$$-\frac{2x^6+6x^2+1}{(2x^3+1)(x^4+x-1)}$$

Sequence: A014101
Score: 7.09085
Type of gen. func.: ogf

$$(9f(x)-80)(f(x)x^4+2x^3+f(x)x-f(x)+1)$$

Sequence: A014103
Score: 21.5146
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{24}{-x^2+1}$$

Sequence: A014105
Score: 13.8470
Type of gen. func.: ogf

$$-\frac{x(x+3)}{(x-1)^3}$$

Sequence: A014105
Score: 38.8865
Type of gen. func.: lgdogf

$$-\frac{2 (5 + x)}{(x + 3) (x - 1)}$$

Sequence: A014105
Score: 6.98478
Type of gen. func.: ogf

$$(1968 f(x) - 3367) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 3 x)$$

Sequence: A014105
Score: 7.04715
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 3, a(2) = 10\}$$

Sequence: A014106
Score: 13.9146
Type of gen. func.: ogf

$$\frac{x (x - 5)}{(x - 1)^3}$$

Sequence: A014106
Score: 39.0790
Type of gen. func.: lgdogf

$$-\frac{2 (x - 7)}{(x - 1) (x - 5)}$$

Sequence: A014106
Score: 7.08152
Type of gen. func.: ogf

$$(464 f(x) - 1647) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 5 x)$$

Sequence: A014106
Score: 7.08153
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 5, a(2) = 14\}$$

Sequence: A014107
Score: 13.9906
Type of gen. func.: ogf

$$- \frac{x (5 x - 1)}{(x - 1)^3}$$

Sequence: A014107
Score: 32.9052
Type of gen. func.: lgdogf

$$- \frac{2 (1 + 5 x)}{(5 x - 1) (x - 1)}$$

Sequence: A014107
Score: 7.18439
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 0, a(1) = -1, a(2) = 2\}$$

Sequence: A014107
Score: 7.2497
Type of gen. func.: ogf

$$(80 f(x) - 117) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 5 x^2 - f(x) - x)$$

Sequence: A014112
Score: 14.6520
Type of gen. func.: lgdogf

$$-\frac{2\,(x^4-3x^3-x^2-4x-1)}{(x-1)(x+1)(x^3-3x^2+x-1)}$$

Sequence: A014112
Score: 9.31512
Type of gen. func.: ogf

$$-\frac{x^3-3x^2+x-1}{(x+1)(x-1)^4}$$

Sequence: A014113
Score: 15.9948
Type of gen. func.: ogf

$$-\frac{2x}{(x+1)(2x-1)}$$

Sequence: A014113
Score: 18.1752
Type of gen. func.: revogf

$$\frac{-x-2+(9x^2+4x+4)^{1/2}}{4x}$$

Sequence: A014113
Score: 26.4366
Type of gen. func.: lgdogf

$$-\frac{1+4x}{(x+1)(2x-1)}$$

Sequence: A014113
Score: 7.30628
Type of gen. func.: ogf

$$(f(x) + 2) (2 f(x) x^2 + f(x) x - f(x) + 2 x)$$

Sequence: A014113
Score: 7.30628
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 2 a(n), a(0) = 0, a(1) = 2\}$$

Sequence: A014125
Score: 12.2687
Type of gen. func.: ogf

$$\frac{1}{(x^2 + x + 1) (x - 1)^4}$$

Sequence: A014125
Score: 26.0661
Type of gen. func.: lgdogf

$$- \frac{3 (2 x^2 + x + 1)}{(x - 1) (x^2 + x + 1)}$$

Sequence: A014125
Score: 31.7252
Type of gen. func.: ogf_with_Euler_transform]

$$[x^2 + 3]$$

Sequence: A014125
Score: 4.83313
Type of gen. func.: ogf

$$\{(-4 - n) a(n + 4) + 3 a(n + 3) + 3 a(n + 2) + (n + 7) a(n + 1), a(0) = 1,$$
$$a(1) = 3, a(2) = 6, a(3) = 11\}$$

Sequence: A014126
Score: 11.1956
Type of gen. func.: ogf

$$\frac{x^2 + 1}{(x + 1) (x^2 + x + 1) (x - 1)^4}$$

Sequence: A014126
Score: 12.5268
Type of gen. func.: lgdogf

$$- \frac{5 x^5 + 7 x^4 + 13 x^3 + 13 x^2 + 8 x + 2}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A014126
Score: 24.6349
Type of gen. func.: ogf_with_Euler_transform]

$$-x^3 + x^2 + 2 x + 2$$

Sequence: A014130
Score: 6.07260
Type of gen. func.: ogf

$$\{(2 n^2 + 15 n + 25) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 12\}$$

Sequence: A014131
Score: 12.9586
Type of gen. func.: ogf

$$\frac{6 x}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A014131
Score: 16.3754

Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^2 - x - 1)}{(x - 1)\,(2\,x - 1)\,(x + 1)}$$

Sequence: A014131
Score: 5.20656
Type of gen. func.: ogf

$$\{-a(n + 3) + 2\,a(n + 2) + a(n + 1) - 2\,a(n),\ a(0) = 0,\ a(1) = 6,\ a(2) = 12\}$$

Sequence: A014131
Score: 7.57319
Type of gen. func.: ogf

$$2\,f(x)\,x^3 - f(x)\,x^2 - 2\,f(x)\,x + f(x) - 6\,x$$

Sequence: A014137
Score: 5.36110
Type of gen. func.: ogf

$$\{(-4\,n - 10)\,a(n + 1) + (5\,n + 14)\,a(n + 2) + (-4 - n)\,a(n + 3),\ a(0) = 1,\ a(1) = 2,\ a(2) = 4\}$$

Sequence: A014137
Score: 8.57774
Type of gen. func.: ogf

$$f(x)^2\,x^3 - 2\,f(x)^2\,x^2 + f(x)^2\,x + f(x)\,x - f(x) + 1$$

Sequence: A014138
Score: 3.85839
Type of gen. func.: ogf

$$\{(-4\,n - 10)\,a(n + 1) + (5\,n + 14)\,a(n + 2) + (-4 - n)\,a(n + 3),\ a(0) = 0,\ a(1) = 1,\ a(2) = 3\}$$

Sequence: A014138
Score: 5.1559
Type of gen. func.: ogf

$$-f(x)^{2} x^{3} + 2 f(x)^{2} x^{2} - f(x)^{2} x + 2 f(x) x^{2} - 3 f(x) x + f(x) - x$$

Sequence: A014140
Score: 11.5247
Type of gen. func.: lgdogf

$$3 + 25 x^{2} - 16 x + (20 x^{3} - 29 x^{2} + 10 x - 1) f(x)$$

$$+ (4 x^{4} - 9 x^{3} + 6 x^{2} - x) f(x)^{2}$$

Sequence: A014140
Score: 4.15862
Type of gen. func.: ogf

$$\{(4 n + 14) a(n + 1) + (-9 n - 33) a(n + 2) + (6 n + 24) a(n + 3)$$

$$+ (-n - 5) a(n + 4), a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 16\}$$

Sequence: A014143
Score: 7.90099
Type of gen. func.: lgdogf

$$-8 - 36 x^{2} + 32 x + (-24 x^{3} + 38 x^{2} - 16 x + 2) f(x)$$

$$+ (-4 x^{4} + 9 x^{3} - 6 x^{2} + x) f(x)^{2}$$

Sequence: A014145
Score: 4.12839
Type of gen. func.: ogf

$$\{(-4 - n) a(n + 1) + (2 n + 9) a(n + 2) + (-n - 6) a(n + 3) + a(n + 4),$$

$$a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 13\}$$

Sequence: A014151

Score: 11.5985
Type of gen. func.: lgdogf

$$-4 - 49 x^2 + 26 x + (-28 x^3 + 39 x^2 - 12 x + 1) f(x) + (-4 x^4 + 9 x^3 - 6 x^2 + x) f(x)^2$$

Sequence: A014151
Score: 3.55046
Type of gen. func.: ogf

$$\{(4 n^2 + 38 n + 90) a(n + 1) + (-9 n^2 - 79 n - 168) a(n + 2) + (6 n^2 + 50 n + 104) a(n + 3) + (-n^2 - 9 n - 20) a(n + 4), a(0) = 1, a(1) = 4, a(2) = 11, a(3) = 27\}$$

Sequence: A014153
Score: 21.8342
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3 + 2 x}{-x + 1}$$

Sequence: A014160
Score: 16.5794
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4 + 3 x}{-x + 1}$$

Sequence: A014161
Score: 16.2706
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-5 + 4 x}{-x + 1}$$

Sequence: A014162

Score: 18.4992
Type of gen. func.: lgdogf

$$-\frac{5x^2+2x-4}{(x-1)(x^2+x-1)}$$

Sequence: A014162
Score: 9.57013
Type of gen. func.: ogf

$$\frac{x}{(x^2+x-1)(x-1)^3}$$

Sequence: A014166
Score: 19.7177
Type of gen. func.: lgdogf

$$-\frac{6x^2+3x-5}{(x-1)(x^2+x-1)}$$

Sequence: A014166
Score: 3.45307
Type of gen. func.: ogf

$$\{(-3-n)\,a(n+4)+(2n+9)\,a(n+3)-3\,a(n+2)+(-n-6)\,a(n+1),$$

$$a(0)=0,\ a(1)=1,\ a(2)=5,\ a(3)=16\}$$

Sequence: A014166
Score: 9.56234
Type of gen. func.: ogf

$$-\frac{x}{(x^2+x-1)(x-1)^4}$$

Sequence: A014182

Score: 21.3260
Type of gen. func.: lgdegf]

$$a(n) + (n + 1) a(n + 1), a(0) = 0, a(1) = -1$$

Sequence: A014205
Score: 24.5321
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 6 x - 7}{(x - 1) (x^2 - 2 x - 1)}$$

Sequence: A014205
Score: 4.18724
Type of gen. func.: ogf

$$\{(-3 - n) a(n + 4) + (5 - n) a(n + 3) + (9 + 3 n) a(n + 2) + (-3 - n) a(n + 1),$$
$$a(0) = 0, a(1) = 1, a(2) = 7, a(3) = 24\}$$

Sequence: A014205
Score: 9.88794
Type of gen. func.: ogf

$$\frac{x (x^2 - 2 x - 1)}{(x - 1)^5}$$

Sequence: A014206
Score: 13.7292
Type of gen. func.: ogf

$$-\frac{2 (x^2 - x + 1)}{(x - 1)^3}$$

Sequence: A014206
Score: 25.2503
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^2 + x + 2$$

Sequence: A014206
Score: 34.2397
Type of gen. func.: lgdogf

$$-\frac{x^2 + 2}{(x - 1)(x^2 - x + 1)}$$

Sequence: A014206
Score: 7.47749
Type of gen. func.: ogf

$$(3 f(x) + 10) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x) - 2 x + 2)$$

Sequence: A014206
Score: 7.47750
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2, a(1) = 4, a(2) = 8\}$$

Sequence: A014209
Score: 10.4165
Type of gen. func.: ogf

$$\frac{3 x^2 - 6 x + 1}{(x - 1)^3}$$

Sequence: A014209
Score: 17.8340
Type of gen. func.: lgdogf

$$-\frac{3 (x^2 - 2 x - 1)}{2}$$

$$(x - 1) (3 x - 6 x + 1)$$

Sequence: A014209
Score: 5.67325
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = -1, a(1) = 3, a(2) = 9\}$$

Sequence: A014209
Score: 7.04452
Type of gen. func.: ogf

$$-(496 f(x) - 5093) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 3 x^2 - f(x) + 6 x - 1)$$

Sequence: A014217
Score: 10.5094
Type of gen. func.: lgdogf

$$-\frac{x^6 - 2 x^5 + x^4 + 6 x^3 - x^2 - 2 x - 1}{(x - 1) (x + 1) (x^2 + x - 1) (x^3 - x^2 + 1)}$$

Sequence: A014217
Score: 10.8903
Type of gen. func.: ogf

$$\frac{x^3 - x^2 + 1}{(x - 1) (x + 1) (x^2 + x - 1)}$$

Sequence: A014217
Score: 7.1621
Type of gen. func.: ogf

$$-f(x) x^4 - f(x) x^3 + 2 f(x) x^2 + x^3 + f(x) x - x^2 - f(x) + 1$$

Sequence: A014228
Score: 4.26896
Type of gen. func.: ogf

$$\{(64 n^3 + 480 n^2 + 1136 n + 840) a(n + 1) + (-n^3 - 12 n^2 - 47 n - 60) a(n + 2),$$
$$a(0) = 2, a(1) = 10\}$$

Sequence: A014231
Score: 4.83695
Type of gen. func.: ogf

$$\{(64 n^3 + 480 n^2 + 1136 n + 840) a(n + 1) + (-n^3 - 12 n^2 - 47 n - 60) a(n + 2),$$
$$a(0) = 1, a(1) = 5\}$$

Sequence: A014236
Score: 12.3468
Type of gen. func.: lgdogf

$$- \frac{8 x^3 - 14 x^2 + 4 x + 1}{(x - 1) (2 x - 1) (2 x^2 - 1)}$$

Sequence: A014236
Score: 5.09645
Type of gen. func.: ogf

$$-(f(x) + 2) (4 f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + 2 x^2 + f(x) - 2 x)$$

Sequence: A014236
Score: 5.09645
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - 4 a(n), a(0) = 0, a(1) = 2, a(2) = 2\}$$

Sequence: A014236
Score: 9.92467
Type of gen. func.: ogf

$$-\frac{2 x (x - 1)}{(2 x - 1) (2 x^2 - 1)}$$

Sequence: A014255
Score: 10.9301
Type of gen. func.: ogf

$$-\frac{3 x^2 + 2 x + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A014255
Score: 17.2044
Type of gen. func.: lgdogf

$$-\frac{9 x^3 + 11 x^2 + 13 x + 3}{(x - 1) (x + 1) (3 x^2 + 2 x + 1)}$$

Sequence: A014283
Score: 14.2562
Type of gen. func.: lgdogf

$$-\frac{20 x^3 - 5 x^2 - 16 x + 7}{(x - 1) (5 x - 3) (x^2 + x - 1)}$$

Sequence: A014283
Score: 8.09782
Type of gen. func.: ogf

$$\frac{x^2 (5 x - 3)}{(x^2 + x - 1) (x - 1)^3}$$

Sequence: A014286
Score: 10.6173

Type of gen. func.: ogf

$$-\frac{x (x^2 + 1)}{(x - 1) (x^2 + x - 1)^2}$$

Sequence: A014286
Score: 15.6000
Type of gen. func.: lgdogf

$$-\frac{3 x^4 - x^3 + 6 x^2 - 3 x - 3}{(x - 1) (x^2 + 1) (x^2 + x - 1)}$$

Sequence: A014288
Score: 3.69827
Type of gen. func.: ogf

$$\{(n^2 + 2 n) a(n) + (-2 n^2 - 8 n - 6) a(n + 1) + (n^2 + 7 n + 8) a(n + 2) + (-2 - n) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A014291
Score: 10.2805
Type of gen. func.: ogf

$$\frac{(2 x - 1) (x - 1)}{x^4 + x^2 - 2 x + 1}$$

Sequence: A014291
Score: 11.4355
Type of gen. func.: lgdogf

$$-\frac{(x^2 - x - 1) (4 x^3 - 5 x^2 + 3 x - 1)}{(x - 1) (2 x - 1) (x^4 + x^2 - 2 x + 1)}$$

Sequence: A014291
Score: 5.45313
Type of gen. func.: ogf

$$-(f(x) + 3) (f(x) x^4 + f(x) x^2 - 2 f(x) x - 2 x^2 + f(x) + 3 x - 1)$$

Sequence: A014292
Score: 11.7663
Type of gen. func.: lgdogf

$$a(n + 4) - 2 a(n + 3) + a(n + 2) + a(n), a(0) = 2, a(1) = 2, a(2) = 2, a(3) = -2$$

Sequence: A014292
Score: 13.8538
Type of gen. func.: ogf

$$\frac{x^2}{x^4 + x^2 - 2 x + 1}$$

Sequence: A014292
Score: 7.69655
Type of gen. func.: ogf

$$f(x) x^4 + f(x) x^2 - 2 f(x) x - x^2 + f(x)$$

Sequence: A014297
Score: 16.0549
Type of gen. func.: revegf]

$$\frac{x}{(1 + 2 x)^{1/2} (1 + (1 + 2 x)^{1/2})}$$

Sequence: A014297
Score: 16.8254
Type of gen. func.: egf]

$$-\frac{2}{(2x-1)^3}$$

Sequence: A014297
Score: 48.1646
Type of gen. func.: lgdegf]

$$-\frac{6}{2x-1}$$

Sequence: A014297
Score: 7.06665
Type of gen. func.: egf]

$$(f(x)-2)(8 f(x) x^3 - 12 f(x) x^2 + 6 f(x) x - f(x) + 2)$$

Sequence: A014297
Score: 7.94007
Type of gen. func.: ogf

$$\{(-2 n - 8) a(n+1) + a(n+2), a(0) = 2, a(1) = 12\}$$

Sequence: A014298
Score: 13.8497
Type of gen. func.: revegf]

$$1/54 + \frac{2x}{3} - \frac{(-(12x-1)^3)^{1/2}}{54}$$

Sequence: A014298
Score: 16.6538
Type of gen. func.: egf]

$$-1 + f(x) - 2 x f(x)^3$$

Sequence: A014298
Score: 4.30933
Type of gen. func.: ogf

$$\{(27 n^2 + 81 n + 60) a(n + 1) + (-2 n - 5) a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A014298
Score: 8.54436
Type of gen. func.: egf]

$$\mathrm{hypergeom}([1/3, 2/3], [3/2], \frac{27 x}{2})$$

Sequence: A014300
Score: 11.8650
Type of gen. func.: revogf

$$\frac{(9 x^2 + 2 x + 1)^{1/2} + 3 (9 x^2 + 2 x + 1)^{1/2} x - 4 x - 7 x^2 - 1}{8 x^2}$$

Sequence: A014300
Score: 8.25694
Type of gen. func.: ogf

$$4 f(x)^2 x^3 + 7 f(x)^2 x^2 - 2 f(x)^2 x + 4 f(x) x - f(x) + 1$$

Sequence: A014301
Score: 6.67917
Type of gen. func.: ogf

$$4 f(x)^2 x^3 + 7 f(x)^2 x^2 - 2 f(x)^2 x + 4 f(x) x^2 + 3 f(x) x - f(x) + x$$

Sequence: A014304
Score: 27.1114
Type of gen. func.: revegf]

$$-\ln(x^2 - 2 x + 2) + \ln(2)$$

Sequence: A014309
Score: 10.2143
Type of gen. func.: lgdogf

$$-\frac{x^4 - 6x^3 + 15x^2 - 12x - 3}{(x - 1)(x^4 - 5x^3 + 10x^2 - 8x + 1)}$$

Sequence: A014309
Score: 6.28133
Type of gen. func.: ogf

$$\frac{x^4 - 5x^3 + 10x^2 - 8x + 1}{(x - 1)^5}$$

Sequence: A014318
Score: 3.65894
Type of gen. func.: ogf

$\{(8 n + 20) a(n + 1) + (-6 n - 18) a(n + 2) + (n + 4) a(n + 3), a(0) = 1,$

$a(1) = 3, a(2) = 8\}$

Sequence: A014318
Score: 5.85431
Type of gen. func.: ogf

$$-4 f(x)^2 x^3 + 4 f(x)^2 x^2 - f(x)^2 x - 2 f(x) x + f(x) - 1$$

Sequence: A014330
Score: 3.92074
Type of gen. func.: ogf

$\{(-32 n^2 - 128 n - 128) a(n + 1) + (12 n^2 + 76 n + 116) a(n + 2)$

$+ (-n^2 - 9 n - 20) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 6\}$

Sequence: A014334
Score: 12.4463
Type of gen. func.: ogf

$$\frac{2 x^{2}}{(x - 1) (4 x^{2} + 2 x - 1)}$$

Sequence: A014334
Score: 15.3791
Type of gen. func.: lgdogf

$$- \frac{12 x^{2} - 4 x - 3}{(x - 1) (4 x^{2} + 2 x - 1)}$$

Sequence: A014334
Score: 5.09168
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 2 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A014334
Score: 8.92702
Type of gen. func.: ogf

$$-4 f(x) x^{3} + 2 f(x) x^{2} + 3 f(x) x + 2 x^{2} - f(x)$$

Sequence: A014335
Score: 15.2003
Type of gen. func.: lgdogf

$$- \frac{12 x^{2} - 4 x - 3}{(x - 1) (4 x^{2} + 2 x - 1)}$$

Sequence: A014335
Score: 18.7255
Type of gen. func.: ogf

$$\frac{x^2}{(x - 1) (4 x^2 + 2 x - 1)}$$

Sequence: A014335
Score: 6.97949
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 2 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A014335
Score: 9.47831
Type of gen. func.: ogf

$$-4 f(x) x^3 + 2 f(x) x^2 + 3 f(x) x + x^2 - f(x)$$

Sequence: A014336
Score: 10.8000
Type of gen. func.: ogf

$$- \frac{6 x^3}{(x^2 - 3 x + 1) (9 x^2 + 3 x - 1)}$$

Sequence: A014336
Score: 5.83202
Type of gen. func.: ogf

$$9 f(x) x^4 - 24 f(x) x^3 - f(x) x^2 + 6 x^3 + 6 f(x) x - f(x)$$

Sequence: A014337
Score: 10.7234
Type of gen. func.: ogf

$$-\frac{x^3}{(x^2 - 3 x + 1) (9 x^2 + 3 x - 1)}$$

Sequence: A014337
Score: 11.1049
Type of gen. func.: lgdogf

$$-\frac{2 (18 x^3 - 36 x^2 - x + 3)}{(x^2 - 3 x + 1) (9 x^2 + 3 x - 1)}$$

Sequence: A014337
Score: 5.3617
Type of gen. func.: ogf

$$9 f(x) x^4 - 24 f(x) x^3 - f(x) x^2 + x^3 + 6 f(x) x - f(x)$$

Sequence: A014340
Score: 4.27215
Type of gen. func.: ogf

$$-32 f(x) x^5 - 120 f(x) x^4 + 70 f(x) x^3 - 24 x^4 + 15 f(x) x^2 - 10 f(x) x + f(x)$$

Sequence: A014340
Score: 7.79038
Type of gen. func.: ogf

$$-\frac{24 x^4}{(2 x - 1) (16 x^2 + 4 x - 1) (x^2 + 4 x - 1)}$$

Sequence: A014340
Score: 7.90666
Type of gen. func.: lgdogf

$$10 (16 x^4 + 48 x^3 - 21 x^2 - 3 x + 1)$$

$$-\frac{}{(2 x - 1) (16 x^2 + 4 x - 1) (x^2 + 4 x - 1)}$$

Sequence: A014341
Score: 6.2778
Type of gen. func.: ogf

$$-32 f(x) x^5 - 120 f(x) x^4 + 70 f(x) x^3 - x^4 + 15 f(x) x^2 - 10 f(x) x + f(x)$$

Sequence: A014341
Score: 7.65840
Type of gen. func.: lgdogf

$$-\frac{10 (16 x^4 + 48 x^3 - 21 x^2 - 3 x + 1)}{(2 x - 1) (16 x^2 + 4 x - 1) (x^2 + 4 x - 1)}$$

Sequence: A014341
Score: 7.65840
Type of gen. func.: ogf

$$-\frac{x^4}{(2 x - 1) (16 x^2 + 4 x - 1) (x^2 + 4 x - 1)}$$

Sequence: A014372
Score: 3.21098
Type of gen. func.: ogf

$$(f(x) - 1)^2 (x^5 + 2 f(x) x - f(x) - 2 x + 1)$$

Sequence: A014374
Score: 8.64335
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A014375
Score: 10.189
Type of gen. func.: ogf

$$(f(x) - 1)^2$$

Sequence: A014376
Score: 6.35611
Type of gen. func.: ogf

$$(f(x) - 1)^2$$

Sequence: A014377
Score: 6.87213
Type of gen. func.: ogf

$$(f(x) - 1)^2 (-x^4 + f(x) - 1)$$

Sequence: A014378
Score: 20.3301
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A014381
Score: 3.3821
Type of gen. func.: ogf

$$-(f(x) - 1) (x^5 + 88112 f(x) x^2 + 9 f(x) x - 88112 x^2 - f(x) - 9 x + 1)$$

Sequence: A014384
Score: 6.72694
Type of gen. func.: ogf

$$(f(x) - 1) (-x^6 + f(x) - 1)$$

Sequence: A014390
Score: 11.2850
Type of gen. func.: ogf

$$-\frac{43x^2+6x+1}{(x-1)(x^2+1)}$$

Sequence: A014390
Score: 11.3819
Type of gen. func.: lgdogf

$$-\frac{43x^4+12x^3-46x^2+84x+7}{(x-1)(x^2+1)(43x^2+6x+1)}$$

Sequence: A014390
Score: 5.92943
Type of gen. func.: ogf

$$-(5f(x)-299)(f(x)x^3-f(x)x^2+f(x)x+43x^2-f(x)+6x+1)$$

Sequence: A014390
Score: 6.19179
Type of gen. func.: ogf

$$\{a(n+3)-a(n+2)+a(n+1)-a(n),\ a(0)=1,\ a(1)=7,\ a(2)=49\}$$

Sequence: A014391
Score: 10.5085
Type of gen. func.: ogf

$$-\frac{5x^3-3x^2+7x+1}{(x-1)(x^2+1)}$$

Sequence: A014391
Score: 11.5985
Type of gen. func.: lgdogf

$$-\frac{2\,(x^{4}+2\,x^{3}+7\,x^{2}-4\,x+4)}{(x-1)\,(x^{2}+1)\,(5\,x^{3}-3\,x^{2}+7\,x+1)}$$

Sequence: A014391
Score: 5.49306
Type of gen. func.: ogf

$$\{a(n+4)-a(n+3)+a(n+2)-a(n+1),\ a(0)=1,\ a(1)=8,\ a(2)=4,\ a(3)=2\}$$

Sequence: A014391
Score: 6.04237
Type of gen. func.: ogf

$$(f(x)+15)\,(f(x)\,x^{3}-f(x)\,x^{2}+5\,x^{3}+f(x)\,x-3\,x^{2}-f(x)+7\,x+1)$$

Sequence: A014392
Score: 4.65648
Type of gen. func.: ogf

$$-(75\,x^{11}-3\,x^{10}+12\,x^{9}-36\,x^{8}+8\,x^{7}-24\,x^{6}-28\,x^{5}+84\,x^{4}-52\,x^{3}+56\,x^{2}+7\,x+1)\ /\ ((x-1)\,(x^{2}+1)\,(x^{8}-x^{6}+x^{4}-x^{2}+1))$$

Sequence: A014393
Score: 6.14151
Type of gen. func.: ogf

$$-\frac{89\,x^{9}+21\,x^{8}+69\,x^{7}+41\,x^{6}+49\,x^{5}+61\,x^{4}+29\,x^{3}+81\,x^{2}+9\,x+1}{(x-1)\,(x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{4}-x^{3}+x^{2}-x+1)}$$

Sequence: A014401
Score: 4.20713
Type of gen. func.: ogf

$$\{(4 n^2 + 28 n + 40) a(n + 1) - a(n + 2), a(0) = 48, a(1) = 768\}$$

Sequence: A014409
Score: 10.2319
Type of gen. func.: lgdogf

$$- \frac{3 x^6 + 6 x^5 + 22 x^4 + 16 x^3 + 39 x^2 + 26 x + 8}{(x - 1) (x + 1) (x^5 + x^4 + 3 x^3 + x^2 + 4 x + 2)}$$

Sequence: A014409
Score: 6.85755
Type of gen. func.: ogf

$$- \frac{x (x^5 + x^4 + 3 x^3 + x^2 + 4 x + 2)}{(x + 1)^3 (x - 1)^5}$$

Sequence: A014431
Score: 12.5071
Type of gen. func.: ogf

$$f(x)^2 x - f(x) x - f(x) + 2 x + 1$$

Sequence: A014431
Score: 18.3102
Type of gen. func.: revogf

$$x/4 - 1/4 + \frac{(-(1 + 7 x) (x - 1))^{1/2}}{4}$$

Sequence: A014432
Score: 11.0672

Type of gen. func.: ogf

$$f(x)^{2} x - f(x) x - f(x) + 3 x + 1$$

Sequence: A014432
Score: 18.4919
Type of gen. func.: revogf

$$x/6 - 1/6 + \frac{(-(1 + 11 x) (x - 1))^{1/2}}{6}$$

Sequence: A014432
Score: 3.38463
Type of gen. func.: ogf

$$\{(55 n^{2} + 55 n) a(n) + (21 n^{2} + 69 n + 48) a(n + 1) + (-3 n^{2} - 9 n) a(n + 2)$$
$$+ (-n^{2} - 7 n - 12) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 3\}$$

Sequence: A014433
Score: 12.8171
Type of gen. func.: ogf

$$f(x)^{2} x - f(x) x - f(x) + 4 x + 1$$

Sequence: A014433
Score: 21.4675
Type of gen. func.: revogf

$$x/8 - 1/8 + \frac{(-(1 + 15 x) (x - 1))^{1/2}}{8}$$

Sequence: A014433
Score: 3.79099
Type of gen. func.: ogf

$$^{2} \qquad ^{2}$$

$$\{(-105 n - 105 n) a(n) + (-29 n - 95 n - 66) a(n + 1) + (5 n^2 + 17 n + 6) a(n + 2) + (n^2 + 7 n + 12) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 4\}$$

Sequence: A014434
Score: 12.5152
Type of gen. func.: ogf

$$f(x)^2 x - f(x) x - f(x) + 5 x + 1$$

Sequence: A014434
Score: 14.6584
Type of gen. func.: revogf

$$\frac{x}{10} - 1/10 + \frac{(-(1 + 19 x) (x - 1))^{1/2}}{10}$$

Sequence: A014435
Score: 10.0037
Type of gen. func.: ogf

$$f(x)^2 x - f(x) x - f(x) + 6 x + 1$$

Sequence: A014435
Score: 15.4423
Type of gen. func.: revogf

$$\frac{x}{12} - 1/12 + \frac{(-(1 + 23 x) (x - 1))^{1/2}}{12}$$

Sequence: A014437
Score: 10.6680
Type of gen. func.: lgdogf

$$- \frac{(x + 1) (x^5 - 3 x^4 + 2 x^3 + 2 x^2 + 5 x + 1)}{}$$

$$(x^3 - x^2 + x + 1) (x^4 + 4 x^2 - 1)$$

Sequence: A014437
Score: 10.7171
Type of gen. func.: ogf

$$- \frac{x^3 - x^2 + x + 1}{x^4 + 4 x^2 - 1}$$

Sequence: A014437
Score: 6.82954
Type of gen. func.: ogf

$$(16 f(x) - 9) (f(x) x^4 + 4 f(x) x^2 + x^3 - x^2 - f(x) + x + 1)$$

Sequence: A014445
Score: 13.0876
Type of gen. func.: ogf

$$-f(x) x^2 - 4 f(x) x + f(x) - 2 x$$

Sequence: A014445
Score: 17.5222
Type of gen. func.: ogf

$$- \frac{2 x}{x^2 + 4 x - 1}$$

Sequence: A014445
Score: 21.2929
Type of gen. func.: revogf

$$\frac{-1 - 2 x + (5 x^2 + 4 x + 1)^{1/2}}{x}$$

Sequence: A014445
Score: 31.9394
Type of gen. func.: lgdogf

$$-\frac{2\,(x+2)}{x^2+4\,x-1}$$

Sequence: A014445
Score: 8.00398
Type of gen. func.: ogf

$$\{-a(n+2)+4\,a(n+1)+a(n),\ a(0)=0,\ a(1)=2\}$$

Sequence: A014447
Score: 10.5661
Type of gen. func.: ogf

$$\frac{x^3-3\,x^2-3\,x-1}{x^4+4\,x^2-1}$$

Sequence: A014447
Score: 6.41867
Type of gen. func.: ogf

$$-(80\,f(x)+99)\,(f(x)\,x^4+4\,f(x)\,x^2-x^3+3\,x^2-f(x)+3\,x+1)$$

Sequence: A014447
Score: 9.75452
Type of gen. func.: lgdogf

$$-\frac{(x+1)\,(x^5-7\,x^4-6\,x^3+2\,x^2-11\,x-3)}{(x^3-3\,x^2-3\,x-1)\,(x^4+4\,x^2-1)}$$

Sequence: A014448

Score: 13.7265
Type of gen. func.: ogf

$$\frac{2 (2 x - 1)}{x^2 + 4 x - 1}$$

Sequence: A014448
Score: 17.7985
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 - x - 1)}{(2 x - 1) (x^2 + 4 x - 1)}$$

Sequence: A014448
Score: 20.1717
Type of gen. func.: revogf

$$\frac{-1 - 2 x + (5 x^2 + 1)^{1/2}}{x - 4}$$

Sequence: A014448
Score: 7.01923
Type of gen. func.: ogf

$$(85 f(x) - 138) (f(x) x^2 + 4 f(x) x - f(x) - 4 x + 2)$$

Sequence: A014448
Score: 7.53283
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + a(n), a(0) = 2, a(1) = 4\}$$

Sequence: A014455
Score: 13.4654
Type of gen. func.: ogf_with_Euler_transform]

$$4 \quad 3$$

$$-\frac{-3 x + x - 4}{x^5 + x^4 + x + 1}$$

Sequence: A014477
Score: 10.8488
Type of gen. func.: ogf

$$-\frac{1 + 2 x}{(2 x - 1)^3}$$

Sequence: A014477
Score: 23.8734
Type of gen. func.: lgdogf

$$-\frac{8 (x + 1)}{(2 x - 1) (1 + 2 x)}$$

Sequence: A014477
Score: 5.13891
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 12 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 8, a(2) = 36\}$$

Sequence: A014477
Score: 7.23345
Type of gen. func.: ogf

$$(236 f(x) - 321) (8 f(x) x^3 - 12 f(x) x^2 + 6 f(x) x - f(x) + 2 x + 1)$$

Sequence: A014479
Score: 21.7213
Type of gen. func.: lgdegf]

$$-\frac{8 (x + 1)}{(2 x - 1) (1 + 2 x)}$$

Sequence: A014479
Score: 22.6657
Type of gen. func.: revegf]

$$\frac{4 x}{(1 + (8 x + 1)^{1/2})^2}$$

Sequence: A014479
Score: 4.67231
Type of gen. func.: ogf

$$\{(-2 n^2 - 12 n - 18) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 8\}$$

Sequence: A014479
Score: 4.93189
Type of gen. func.: egf]

$$(236 f(x) - 321) (8 f(x) x^3 - 12 f(x) x^2 + 6 f(x) x - f(x) + 2 x + 1)$$

Sequence: A014479
Score: 9.86376
Type of gen. func.: egf]

$$- \frac{1 + 2 x}{(2 x - 1)^3}$$

Sequence: A014480
Score: 11.064
Type of gen. func.: ogf

$$-4 f(x) x^2 + 4 f(x) x - f(x) + 2 x + 1$$

Sequence: A014480
Score: 15.4896
Type of gen. func.: ogf

$$1 + 2 x$$

$$\frac{}{(2 x - 1)^{2}}$$

Sequence: A014480
Score: 18.4746
Type of gen. func.: revogf

$$-\frac{-1 - 4 x + (1 + 16 x)^{1/2}}{4 (2 x - 1)}$$

Sequence: A014480
Score: 26.2908
Type of gen. func.: lgdogf

$$-\frac{2 (3 + 2 x)}{(2 x - 1) (1 + 2 x)}$$

Sequence: A014480
Score: 8.50038
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A014481
Score: 12.9103
Type of gen. func.: egf]

$$\frac{1 + 2 x}{(2 x - 1)^{2}}$$

Sequence: A014481
Score: 21.9001
Type of gen. func.: lgdegf]

$$-\frac{2 (3 + 2 x)}{(2 x - 1) (1 + 2 x)}$$

Sequence: A014481
Score: 3.43766
Type of gen. func.: ogf

$$\{(-2 n^2 - 8 n - 8) a(n + 1) + (-2 n^2 - 13 n - 24) a(n + 2) + (n + 3) a(n + 3),$$
$$a(0) = 1, a(1) = 6, a(2) = 40\}$$

Sequence: A014481
Score: 9.22166
Type of gen. func.: egf]

$$-4 f(x) x^2 + 4 f(x) x - f(x) + 2 x + 1$$

Sequence: A014483
Score: 11.4324
Type of gen. func.: ogf

$$\frac{1 + 2 x}{(2 x - 1)^4}$$

Sequence: A014483
Score: 20.2601
Type of gen. func.: lgdogf

$$- \frac{2 (5 + 6 x)}{(2 x - 1) (1 + 2 x)}$$

Sequence: A014483
Score: 5.30200
Type of gen. func.: ogf

$$\{(-3 - n) a(n + 3) + 10 a(n + 2) + (16 + 4 n) a(n + 1), a(0) = 1, a(1) = 10,$$
$$a(2) = 56\}$$

Sequence: A014483
Score: 5.62828
Type of gen. func.: ogf

$$(5248 f(x) + 7423)$$

$$(16 f(x) x^4 - 32 f(x) x^3 + 24 f(x) x^2 - 8 f(x) x + f(x) - 2 x - 1)$$

Sequence: A014484
Score: 18.3417
Type of gen. func.: lgdegf]

$$- \frac{2 (5 + 6 x)}{(2 x - 1) (1 + 2 x)}$$

Sequence: A014484
Score: 2.82067
Type of gen. func.: ogf

$$\{(-2 n^2 - 12 n - 16) a(n + 1) + (2 n^2 + 19 n + 40) a(n + 2) + (-3 - n) a(n + 3)$$

$$, a(0) = 1, a(1) = 10, a(2) = 112\}$$

Sequence: A014484
Score: 3.75366
Type of gen. func.: egf]

$$(5248 f(x) + 7423)$$

$$(16 f(x) x^4 - 32 f(x) x^3 + 24 f(x) x^2 - 8 f(x) x + f(x) - 2 x - 1)$$

Sequence: A014484
Score: 7.62462
Type of gen. func.: egf]

$$\frac{1 + 2 x}{(2 x - 1)^4}$$

Sequence: A014488
Score: 6.71312
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A014493
Score: 12.1831
Type of gen. func.: lgdogf

$$-\frac{x^5 + 5 x^4 + 36 x^3 + 24 x^2 + 27 x + 3}{(x - 1) (x + 1) (x^4 + 2 x^3 + 10 x^2 + 2 x + 1)}$$

Sequence: A014493
Score: 9.23902
Type of gen. func.: ogf

$$-\frac{x^4 + 2 x^3 + 10 x^2 + 2 x + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A014494
Score: 10.0364
Type of gen. func.: ogf

$$-\frac{2 x (3 x^2 + 2 x + 3)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A014494
Score: 16.6945
Type of gen. func.: lgdogf

$$-\frac{9 x^3 + 11 x^2 + 23 x + 5}{(x - 1) (x + 1) (3 x^2 + 2 x + 3)}$$

Sequence: A014495
Score: 5.17619
Type of gen. func.: ogf

$$2 f(x)^2 x^4 - 5 f(x)^2 x^3 + 4 f(x)^2 x^2 - 2 f(x) x^3 - f(x)^2 x + f(x) x^2 + 2 f(x) x$$

$$+ x^2 - f(x)$$

Sequence: A014497
Score: 7.9943
Type of gen. func.: ogf

$$(f(x) - 1)^2 (-14152320 x^5 + f(x) - 1)$$

Sequence: A014523
Score: 10.2244
Type of gen. func.: ogf

$$\frac{x^2 - 3 x + 1}{x^4 - 7 x^3 + 9 x^2 - 7 x + 1}$$

Sequence: A014523
Score: 5.22582
Type of gen. func.: ogf

$$(22618 f(x) + 281)$$

$$(f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 - 7 f(x) x - x^2 + f(x) + 3 x - 1)$$

Sequence: A014523
Score: 7.75727
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - 16 x^4 + 46 x^3 - 41 x^2 + 16 x - 4}{(x^2 - 3 x + 1) (x^4 - 7 x^3 + 9 x^2 - 7 x + 1)}$$

Sequence: A014524
Score: 4.09752
Type of gen. func.: ogf

$(100775 f(x) + 8126)$

$$(f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 - 7 f(x) x - x^2 + f(x) - x)$$

Sequence: A014524
Score: 8.38414
Type of gen. func.: ogf

$$\frac{x (x + 1)}{x^4 - 7 x^3 + 9 x^2 - 7 x + 1}$$

Sequence: A014524
Score: 9.56849
Type of gen. func.: lgdogf

$$- \frac{(x - 4) (3 x^3 + 2 x^2 - 4 x + 2)}{(x + 1) (x^4 - 7 x^3 + 9 x^2 - 7 x + 1)}$$

Sequence: A014528
Score: 6.13689
Type of gen. func.: ogf

$$- \frac{x^{21} + x^{19} - 2 x^{18} + 2 x^8 - x^7 - 3 x^2 - x - 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A014531
Score: 3.52811
Type of gen. func.: ogf

$$\{(-3 n^2 - 27 n - 60) a(n + 1) + (-2 n^2 - 19 n - 45) a(n + 2)$$

$$+ (n^2 + 10 n + 21) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 10\}$$

Sequence: A014532
Score: 3.70812

Type of gen. func.: ogf

$$\{(-3 n^2 - 33 n - 90) a(n + 1) + (-2 n^2 - 23 n - 66) a(n + 2) + (n^2 + 12 n + 27) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 15\}$$

Sequence: A014533
Score: 3.48417
Type of gen. func.: ogf

$$\{(-3 n^2 - 39 n - 126) a(n + 1) + (-2 n^2 - 27 n - 91) a(n + 2) + (n^2 + 14 n + 33) a(n + 3), a(0) = 1, a(1) = 5, a(2) = 21\}$$

Sequence: A014544
Score: 6.44321
Type of gen. func.: ogf

$$- (x^{16} - x^{15} + x^{14} - x^{11} + x^{10} + 3 x^8 - 3 x^7 + 3 x^6 - 3 x^5 + 3 x^4 + 2 x^3 - 6 x - 1) / (x - 1)^2$$

Sequence: A014551
Score: 17.5534
Type of gen. func.: ogf

$$\frac{x - 2}{(x + 1) (2 x - 1)}$$

Sequence: A014551
Score: 22.1657
Type of gen. func.: lgdogf

$$- \frac{2 x^2 - 8 x - 1}{(x - 2) (2 x - 1) (x + 1)}$$

Sequence: A014551
Score: 8.97619
Type of gen. func.: ogf

$$(54 f(x) - 107) (2 f(x) x^2 + f(x) x - f(x) - x + 2)$$

Sequence: A014551
Score: 9.63299
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 2 a(n), a(0) = 2, a(1) = 1\}$$

Sequence: A014553
Score: 7.66082
Type of gen. func.: lgdogf

$$(13 x^{14} - 14 x^{13} + 8 x^9 - 9 x^8 + 6 x^7 - 2 x^6 - 6 x^5 + 3 x^4 - 2 x^3 - 2 x^2 - 2 x - 4) / ((x - 1) (x^{14} + x^9 + x^7 + x^6 + x^4 + x^3 + x^2 + 3 x + 1))$$

Sequence: A014553
Score: 9.55427
Type of gen. func.: ogf

$$- \frac{x^{14} + x^9 + x^7 + x^6 + x^4 + x^3 + x^2 + 3 x + 1}{x - 1}$$

Sequence: A014557
Score: 10.8289
Type of gen. func.: ogf

$$\frac{2 x^6}{(x^2 + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A014557
Score: 18.8755
Type of gen. func.: lgdogf

$$-\frac{2\,(4\,x^3 + x^2 + 2\,x + 1)}{(x - 1)\,(x + 1)\,(x^2 + 1)}$$

Sequence: A014591
Score: 10.6903
Type of gen. func.: ogf

$$-\frac{x^5 - x^2 + 1}{(x + 1)\,(x^2 + x + 1)\,(x - 1)^3}$$

Sequence: A014591
Score: 11.1755
Type of gen. func.: lgdogf

$$-\frac{x^8 + 2\,x^7 + 4\,x^6 + 2\,x^5 + 2\,x^3 + 4\,x^2 + 2\,x + 1}{(x - 1)\,(x + 1)\,(x^2 + x + 1)\,(x^5 - x^2 + 1)}$$

Sequence: A014601
Score: 14.4646
Type of gen. func.: ogf

$$\frac{x\,(x + 3)}{(x + 1)\,(x - 1)^2}$$

Sequence: A014601
Score: 25.3767
Type of gen. func.: lgdogf

$$-\frac{2\,(x^2 + 5\,x + 2)}{(x - 1)\,(x + 3)\,(x + 1)}$$

Sequence: A014601

Score: 7.42777
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 3, a(2) = 4\}$$

Sequence: A014601
Score: 7.49531
Type of gen. func.: ogf

$$(64 f(x) + 295) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - 3 x)$$

Sequence: A014606
Score: 5.69741
Type of gen. func.: ogf

$$\{(-9 n^3 - 45 n^2 - 74 n - 40) a(n + 1) + 2 a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A014608
Score: 4.70118
Type of gen. func.: egf]

$$\{(-32 n^3 - 144 n^2 - 214 n - 105) a(n + 1) + 3 a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A014610
Score: 5.84295
Type of gen. func.: ogf

$$(3 f(x) - 7)$$

$$(f(x) x^4 + f(x) x^3 + f(x) x^2 + x^3 + f(x) x + 2 x^2 - f(x) + 2 x + 3)$$

Sequence: A014610
Score: 7.60922
Type of gen. func.: ogf

$$- \frac{x^3 + 2 x^2 + 2 x + 3}{x^4 + x^3 + x^2 + x - 1}$$

Sequence: A014610
Score: 7.63255
Type of gen. func.: lgdogf

$$-\frac{x^6+4x^5+7x^4+14x^3+12x^2+10x+5}{(x^3+2x^2+2x+3)(x^4+x^3+x^2+x-1)}$$

Sequence: A014616
Score: 14.6184
Type of gen. func.: ogf

$$\frac{x^2-2}{(x+1)(x-1)^3}$$

Sequence: A014616
Score: 21.5038
Type of gen. func.: lgdogf

$$-\frac{2(x+2)(x^2-x-1)}{(x-1)(x+1)(x^2-2)}$$

Sequence: A014616
Score: 7.57498
Type of gen. func.: ogf

$$(23 f(x)-190)(f(x)x^4-2f(x)x^3+2f(x)x-x^2-f(x)+2)$$

Sequence: A014626
Score: 21.9863
Type of gen. func.: lgdogf

$$-\frac{9x^2-6x+2}{(x-1)(3x^2-3x+1)}$$

Sequence: A014626
Score: 3.85151
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-4 n - 10) a(n + 3) + (6 n + 12) a(n + 2)$$

$$+ (-9 - 3 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 3\}$$

Sequence: A014626
Score: 9.14153
Type of gen. func.: ogf

$$-\frac{x (3 x^{2} - 3 x + 1)}{(x - 1)^{5}}$$

Sequence: A014628
Score: 12.9264
Type of gen. func.: lgdogf

$$-\frac{x^{4} - 6 x^{3} + 15 x^{2} - 8 x + 8}{(x - 1) (x^{4} - 5 x^{3} + 10 x^{2} - 7 x + 3)}$$

Sequence: A014628
Score: 7.69199
Type of gen. func.: ogf

$$-\frac{x^{4} - 5 x^{3} + 10 x^{2} - 7 x + 3}{(x - 1)^{5}}$$

Sequence: A014629
Score: 15.4017
Type of gen. func.: lgdogf

$$-\frac{2 x^{3} - 9 x^{2} + 12 x - 15}{}$$

$$(x - 1) (x^3 - 4 x^2 + 5 x - 4)$$

Sequence: A014629
Score: 8.07465
Type of gen. func.: ogf

$$\frac{x (x^3 - 4 x^2 + 5 x - 4)}{(x - 1)^5}$$

Sequence: A014632
Score: 10.4683
Type of gen. func.: lgdogf

$$- \frac{7 x^5 + 23 x^4 + 120 x^3 + 68 x^2 + 65 x + 5}{(x - 1) (x + 1) (7 x^4 + 8 x^3 + 28 x^2 + 4 x + 1)}$$

Sequence: A014632
Score: 8.62573
Type of gen. func.: ogf

$$- \frac{7 x^4 + 8 x^3 + 28 x^2 + 4 x + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A014633
Score: 10.8852
Type of gen. func.: lgdogf

$$- \frac{2 x^4 + 37 x^3 + 35 x^2 + 59 x + 11}{(x - 1) (x + 1) (x^3 + 12 x^2 + 5 x + 6)}$$

Sequence: A014633
Score: 7.33766
Type of gen. func.: ogf

$$-\frac{2 x (x^3 + 12 x^2 + 5 x + 6)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A014634
Score: 13.1836
Type of gen. func.: ogf

$$-\frac{3 x^2 + 12 x + 1}{(x - 1)^3}$$

Sequence: A014634
Score: 22.2847
Type of gen. func.: lgdogf

$$-\frac{3 (x^2 + 10 x + 5)}{(x - 1) (3 x^2 + 12 x + 1)}$$

Sequence: A014634
Score: 6.92699
Type of gen. func.: ogf

$$(1184 f(x) - 8609) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) + 12 x + 1)$$

Sequence: A014634
Score: 7.17004
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 15, a(2) = 45\}$$

Sequence: A014635
Score: 13.8319
Type of gen. func.: ogf

$$-\frac{2 x (5 x + 3)}{}$$

$$(x-1)^3$$

Sequence: A014635
Score: 32.9540
Type of gen. func.: lgdogf

$$-\frac{2\,(7+5\,x)}{(5\,x+3)\,(x-1)}$$

Sequence: A014635
Score: 6.79871
Type of gen. func.: ogf

$$-(1440\,f(x)-7469)\,(f(x)\,x^3-3\,f(x)\,x^2+3\,f(x)\,x+10\,x^2-f(x)+6\,x)$$

Sequence: A014635
Score: 7.16293
Type of gen. func.: ogf

$$\{a(n+3)-3\,a(n+2)+3\,a(n+1)-a(n),\ a(0)=0,\ a(1)=6,\ a(2)=28\}$$

Sequence: A014637
Score: 8.34517
Type of gen. func.: ogf

$$-\frac{13\,x^4+14\,x^3+46\,x^2+6\,x+1}{(x+1)^2\,(x-1)^3}$$

Sequence: A014637
Score: 9.70482
Type of gen. func.: lgdogf

$$-\frac{13\,x^5+41\,x^4+204\,x^3+112\,x^2+103\,x+7}{(x-1)\,(x+1)\,(13\,x^4+14\,x^3+46\,x^2+6\,x+1)}$$

Sequence: A014640
Score: 12.9744
Type of gen. func.: lgdogf

$$-\frac{4 x^{4} + 65 x^{3} + 59 x^{2} + 95 x + 17}{(x - 1) (x + 1) (2 x^{3} + 21 x^{2} + 8 x + 9)}$$

Sequence: A014640
Score: 9.00802
Type of gen. func.: ogf

$$-\frac{2 x (2 x^{3} + 21 x^{2} + 8 x + 9)}{(x + 1)^{2} (x - 1)^{3}}$$

Sequence: A014641
Score: 13.2855
Type of gen. func.: ogf

$$-\frac{5 x^{2} + 18 x + 1}{(x - 1)^{3}}$$

Sequence: A014641
Score: 21.8556
Type of gen. func.: lgdogf

$$-\frac{5 x^{2} + 46 x + 21}{(x - 1) (5 x^{2} + 18 x + 1)}$$

Sequence: A014641
Score: 6.80746
Type of gen. func.: ogf

$$(10800 f(x) - 115157) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 5 x^{2} - f(x) + 18 x + 1)$$

Sequence: A014641
Score: 7.22546
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 21, a(2) = 65\}$$

Sequence: A014642
Score: 14.3538
Type of gen. func.: ogf

$$-\frac{8 x (1 + 2 x)}{(x - 1)^3}$$

Sequence: A014642
Score: 37.3259
Type of gen. func.: lgdogf

$$-\frac{5 + 4 x}{(1 + 2 x) (x - 1)}$$

Sequence: A014642
Score: 7.23932
Type of gen. func.: ogf

$$-(27 f(x) - 208) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 16 x^2 - f(x) + 8 x)$$

Sequence: A014642
Score: 7.43323
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 8, a(2) = 40\}$$

Sequence: A014679
Score: 22.0408
Type of gen. func.: ogf_with_Euler_transform]

$$-2 x^5 + x^3 + 3 x^2 + x$$

Sequence: A014679
Score: 7.51255
Type of gen. func.: ogf

$$-\frac{(x^2 - x + 1)^2}{(x^2 + 1)(x^2 + x + 1)(x - 1)^3}$$

Sequence: A014679
Score: 9.87810
Type of gen. func.: lgdogf

$$-\frac{x(3x^5 - 3x^4 + 8x^3 + x^2 + 7x + 2)}{(x - 1)(x^2 + 1)(x^2 + x + 1)(x^2 - x + 1)}$$

Sequence: A014681
Score: 13.2030
Type of gen. func.: ogf

$$\frac{x(x^2 - x + 2)}{(x + 1)(x - 1)^2}$$

Sequence: A014681
Score: 22.2487
Type of gen. func.: lgdogf

$$-\frac{x^3 - x^2 + 7x + 1}{(x - 1)(x + 1)(x^2 - x + 2)}$$

Sequence: A014681
Score: 6.55112
Type of gen. func.: ogf

{-a(n + 4) + a(n + 3) + a(n + 2) - a(n + 1), a(0) = 0, a(1) = 2, a(2) = 1,

a(3) = 4}

Sequence: A014681
Score: 6.9772
Type of gen. func.: ogf

$$-(484 f(x) + 445) (f(x) x^3 - f(x) x^2 - x^3 - f(x) x + x^2 + f(x) - 2 x)$$

Sequence: A014682
Score: 13.9991
Type of gen. func.: ogf

$$\frac{x (x^2 + x + 2)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A014682
Score: 19.5629
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 3 x^2 + 10 x + 1}{(x - 1) (x + 1) (x^2 + x + 2)}$$

Sequence: A014682
Score: 7.98082
Type of gen. func.: ogf

$$-(1184 f(x) - 3809) (f(x) x^4 - 2 f(x) x^2 - x^3 - x^2 + f(x) - 2 x)$$

Sequence: A014695
Score: 16.2507
Type of gen. func.: ogf

$$-\frac{x^2 + x + 1}{(x - 1) (x^2 + 1)}$$

```
------------------------------------------------------------------------------

Sequence:  A014695
Score: 23.1590
Type of gen. func.: lgdogf


                                4      3    2
                               x  + 2 x  + x  + 2
                        - -----------------------------
                                    2        2
                          (x - 1) (x  + 1) (x  + x + 1)



------------------------------------------------------------------------------

Sequence:  A014695
Score: 29.9774
Type of gen. func.: ogf_with_Euler_transform]


                                 3    2
                                x  - x  - x + 2



------------------------------------------------------------------------------

Sequence:  A014695
Score: 8.61994
Type of gen. func.: ogf


                              3         2             2
         -(5 f(x) - 6) (f(x) x  - f(x) x  + f(x) x + x  - f(x) + x + 1)



------------------------------------------------------------------------------

Sequence:  A014695
Score: 8.85083
Type of gen. func.: ogf


     {a(n + 3) - a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 2}



------------------------------------------------------------------------------

Sequence:  A014696
Score: 11.1842
Type of gen. func.: lgdogf


                         5      4       3       2
                      6 x  + 9 x  + 46 x  + 22 x  + 22 x + 3
                   - ----------------------------------------
                                        4    3      2
                     (x - 1) (x + 1) (x  + x  + 5 x  + x + 1)



------------------------------------------------------------------------------

Sequence:  A014696
```

Score: 5.65847
Type of gen. func.: ogf

$$\frac{x^4 + x^3 + 5 x^2 + x + 1}{(x + 1)^4 (x - 1)^6}$$

Sequence: A014717
Score: 12.4373
Type of gen. func.: ogf

$$-\frac{x^2 + 14 x - 9}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A014717
Score: 6.47992
Type of gen. func.: ogf

$$(5099 f(x) - 14106) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + x^2 + f(x) + 14 x - 9)$$

Sequence: A014717
Score: 6.82400
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 9, a(1) = 4, a(2) = 25\}$$

Sequence: A014718
Score: 4.13748
Type of gen. func.: ogf

$$-\frac{4 x^9 - 8 x^8 + 36 x^7 - 115 x^6 + 86 x^5 + 70 x^4 - 162 x^3 + 130 x^2 - 54 x + 9}{(x + 1) (x^2 - 3 x + 1) (x^2 + x - 1)^2 (x - 1)^3}$$

Sequence: A014728
Score: 5.82758
Type of gen. func.: lgdogf

$$-\frac{x^8+4x^7+28x^5+238x^4+204x^3+80x^2+20x+1}{(x-1)(x^2+1)(x^2+4x+1)(x^2-4x-1)(x^2+4x-1)}$$

Sequence: A014728
Score: 6.47771
Type of gen. func.: ogf

$$-\frac{(x^2+4x+1)(x-1)^3}{(x^2+1)(x^2+4x-1)(x^2-4x-1)}$$

Sequence: A014729
Score: 11.6281
Type of gen. func.: ogf

$$-\frac{4x(x-1)}{(x+1)(x^2-18x+1)}$$

Sequence: A014729
Score: 6.01803
Type of gen. func.: ogf

$$\{a(n+3)-17a(n+2)-17a(n+1)+a(n),\ a(0)=0,\ a(1)=4,\ a(2)=64\}$$

Sequence: A014729
Score: 6.29408
Type of gen. func.: ogf

$$(4f(x)+1)(f(x)x^3-17f(x)x^2-17f(x)x+4x^2+f(x)-4x)$$

Sequence: A014730
Score: 8.16834
Type of gen. func.: ogf

$$-\frac{(x-1)(x^4+10x^3+42x^2+10x+1)}{}$$

$$(x^2 + 1)(x^2 + 4x - 1)(x^2 - 4x - 1)$$

Sequence: A014731
Score: 5.09798
Type of gen. func.: ogf

$$-(24460 f(x) - 30487)$$

$$(f(x) x^3 - 17 f(x) x^2 - 17 f(x) x + 16 x^2 + f(x) + 52 x - 4)$$

Sequence: A014731
Score: 5.53370
Type of gen. func.: ogf

$\{-a(n + 3) + 17 a(n + 2) + 17 a(n + 1) - a(n), a(0) = 4, a(1) = 16, a(2) = 324\}$

Sequence: A014731
Score: 7.46467
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^4 + 13 x^3 - 78 x^2 + 13 x + 2)}{(x + 1)(4 x^2 + 13 x - 1)(x^2 - 18 x + 1)}$$

Sequence: A014731
Score: 9.96066
Type of gen. func.: ogf

$$-\frac{4 (4 x^2 + 13 x - 1)}{(x + 1)(x^2 - 18 x + 1)}$$

Sequence: A014736
Score: 3.95110
Type of gen. func.: ogf

$$-\frac{x^8 + 8 x^7 + 212 x^6 + 184 x^5 + 726 x^4 + 184 x^3 + 212 x^2 + 8 x + 1}{\qquad ^{4} \qquad ^{5}}$$

$$(x + 1)\ (x - 1)$$

Sequence: A014738
Score: 4.48238
Type of gen. func.: ogf

$$-\frac{4\,(9\,x^{6} + 16\,x^{5} + 135\,x^{4} + 64\,x^{3} + 135\,x^{2} + 16\,x + 9)}{(x + 1)^{4}\,(x - 1)^{5}}$$

Sequence: A014738
Score: 5.76725
Type of gen. func.: lgdogf

$$-\frac{27\,x^{7} + 73\,x^{6} + 745\,x^{5} + 599\,x^{4} + 1549\,x^{3} + 455\,x^{2} + 367\,x + 25}{(x - 1)\,(x + 1)\,(9\,x^{6} + 16\,x^{5} + 135\,x^{4} + 64\,x^{3} + 135\,x^{2} + 16\,x + 9)}$$

Sequence: A014739
Score: 15.6228
Type of gen. func.: ogf

$$\frac{x^{2} + 1}{(x - 1)\,(x^{2} + x - 1)}$$

Sequence: A014739
Score: 17.4668
Type of gen. func.: lgdogf

$$-\frac{x^{4} + 5\,x^{2} - 2\,x - 2}{(x - 1)\,(x^{2} + 1)\,(x^{2} + x - 1)}$$

Sequence: A014739
Score: 8.14378
Type of gen. func.: ogf

$$\{-a(n+3) + 2\,a(n+2) - a(n),\ a(0) = 1,\ a(1) = 2,\ a(2) = 5\}$$

Sequence: A014739
Score: 8.41225
Type of gen. func.: ogf

$$(15\,f(x) - 92)\,(f(x)\,x^{3} - 2\,f(x)\,x - x^{2} + f(x) - 1)$$

Sequence: A014742
Score: 13.7838
Type of gen. func.: ogf

$$\frac{x^{2} + 1}{(x + 1)\,(x^{2} - 3\,x + 1)}$$

Sequence: A014742
Score: 17.1572
Type of gen. func.: lgdogf

$$-\frac{x^{4} + 5\,x^{2} - 6\,x - 2}{(x + 1)\,(x^{2} + 1)\,(x^{2} - 3\,x + 1)}$$

Sequence: A014742
Score: 6.95289
Type of gen. func.: ogf

$$-(59\,f(x) + 36)\,(f(x)\,x^{3} - 2\,f(x)\,x^{2} - 2\,f(x)\,x - x^{2} + f(x) - 1)$$

Sequence: A014742
Score: 7.01497
Type of gen. func.: ogf

$$\{a(n+3) - 2\,a(n+2) - 2\,a(n+1) + a(n),\ a(0) = 1,\ a(1) = 2,\ a(2) = 7\}$$

Sequence: A014743
Score: 10.1131
Type of gen. func.: ogf

$$-\frac{x+1}{x^5+x^4+x^2+x-1}$$

Sequence: A014743
Score: 11.1674
Type of gen. func.: lgdogf

$$-\frac{4x^5+8x^4+4x^3+x^2+2x+2}{(x+1)(x^5+x^4+x^2+x-1)}$$

Sequence: A014769
Score: 4.44858
Type of gen. func.: ogf

$$-(49x^8+176x^7+2828x^6+1976x^5+6294x^4+1280x^3+1196x^2+24x+1) \Big/ ((x+1)^4 (x-1)^5)$$

Sequence: A014770
Score: 3.97089
Type of gen. func.: ogf

$$-\frac{4(x^7+168x^6+227x^5+1428x^4+551x^3+960x^2+85x+36)}{(x+1)^4 (x-1)^5}$$

Sequence: A014771
Score: 7.67796
Type of gen. func.: ogf

$$-\frac{9x^4+396x^3+910x^2+220x+1}{(x-1)^5}$$

Sequence: A014771
Score: 8.27734
Type of gen. func.: lgdogf

$$-\frac{3\,(3\,x^{4}+276\,x^{3}+1306\,x^{2}+900\,x+75)}{(x-1)\,(9\,x^{4}+396\,x^{3}+910\,x^{2}+220\,x+1)}$$

Sequence: A014772
Score: 10.3173
Type of gen. func.: lgdogf

$$-\frac{2\,(25\,x^{3}+336\,x^{2}+501\,x+98)}{(x-1)\,(25\,x^{3}+199\,x^{2}+151\,x+9)}$$

Sequence: A014772
Score: 6.72416
Type of gen. func.: ogf

$$-\frac{4\,(25\,x^{3}+199\,x^{2}+151\,x+9)}{(x-1)^{5}}$$

Sequence: A014773
Score: 4.39481
Type of gen. func.: ogf

$$-(169\,x^{8}+560\,x^{7}+8396\,x^{6}+5648\,x^{5}+17262\,x^{4}+3344\,x^{3}+2972\,x^{2}+48\,x+1)\;/\;((x+1)^{4}\,(x-1)^{5})$$

Sequence: A014775
Score: 22.4084
Type of gen. func.: lgdegf]

2 2

$$(-x - 2 x - 2) f(x) - 2 f(x)$$

Sequence: A014775
Score: 3.23770
Type of gen. func.: ogf

$$\{(-n^2 - 5 n - 6) a(n + 1) + (-2 n - 6) a(n + 2) - 2 a(n + 4) - 2 a(n + 3),$$

$$a(0) = 1, a(1) = -1, a(2) = 0, a(3) = 1\}$$

Sequence: A014787
Score: 29.5858
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{12}{-x - 1}$$

Sequence: A014792
Score: 4.47015
Type of gen. func.: ogf

$$-\frac{4 x (4 x^7 + 525 x^6 + 680 x^5 + 4071 x^4 + 1508 x^3 + 2523 x^2 + 208 x + 81)}{(x + 1)^4 (x - 1)^5}$$

Sequence: A014793
Score: 6.32641
Type of gen. func.: ogf

$$-\frac{25 x^4 + 964 x^3 + 2030 x^2 + 436 x + 1}{(x - 1)^5}$$

Sequence: A014793
Score: 8.18702
Type of gen. func.: lgdogf

$$-\frac{25 x^4 + 2028 x^3 + 8982 x^2 + 5804 x + 441}{}$$

$$(x - 1) (25 x^4 + 964 x^3 + 2030 x^2 + 436 x + 1)$$

Sequence: A014794
Score: 6.32071
Type of gen. func.: ogf

$$- \frac{64 x (4 x^3 + 29 x^2 + 20 x + 1)}{(x - 1)^5}$$

Sequence: A014795
Score: 4.24755
Type of gen. func.: ogf

$$- \frac{x^6 + 1218 x^5 + 18671 x^4 + 42140 x^3 + 18671 x^2 + 1218 x + 1}{(x - 1)^7}$$

Sequence: A014799
Score: 3.86291
Type of gen. func.: ogf

$$- \frac{81 x^6 + 21042 x^5 + 216463 x^4 + 369404 x^3 + 124671 x^2 + 5618 x + 1}{(x - 1)^7}$$

Sequence: A014805
Score: 30.3492
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{16}{-x - 1}$$

Sequence: A014806
Score: 29.1555
Type of gen. func.: ogf_with_Euler_transform]

$$20$$

```
                - ------
                  -x - 1
```

Sequence: A014809
Score: 30.0748
Type of gen. func.: ogf_with_Euler_transform]

```
                    24
                - ------
                  -x - 1
```

Sequence: A014820
Score: 27.6955
Type of gen. func.: ogf_with_Euler_transform]

```
               [8 - 3 x]
```

Sequence: A014820
Score: 28.6738
Type of gen. func.: lgdogf

```
                 2 (4 + x)
           - ---------------
             (x - 1) (x + 1)
```

Sequence: A014820
Score: 4.34972
Type of gen. func.: ogf

```
{(-3 - n) a(n + 3) + 8 a(n + 2) + (n + 3) a(n + 1), a(0) = 1, a(1) = 8,

    a(2) = 33}
```

Sequence: A014820
Score: 6.74956
Type of gen. func.: ogf

```
                        3
                 (x + 1)
               - --------
                        5
                 (x - 1)
```

Sequence: A014824
Score: 16.1913
Type of gen. func.: ogf

$$-\frac{x}{(10 x - 1) (x - 1)^2}$$

Sequence: A014824
Score: 19.0097
Type of gen. func.: lgdogf

$$-\frac{6 (-2 + 5 x)}{(10 x - 1) (x - 1)}$$

Sequence: A014824
Score: 6.19494
Type of gen. func.: ogf

{a(n + 3) - 12 a(n + 2) + 21 a(n + 1) - 10 a(n), a(0) = 0, a(1) = 1, a(2) = 12}

Sequence: A014824
Score: 6.91668
Type of gen. func.: ogf

$$(12 f(x) + 1) (10 f(x) x^3 - 21 f(x) x^2 + 12 f(x) x - f(x) + x)$$

Sequence: A014825
Score: 15.1210
Type of gen. func.: ogf

$$-\frac{1}{(4 x - 1) (x - 1)^2}$$

Sequence: A014825
Score: 4.95113
Type of gen. func.: ogf

{a(n + 3) - 6 a(n + 2) + 9 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 6, a(2) = 27}

Sequence: A014825
Score: 5.32837
Type of gen. func.: ogf

$$(2579 f(x) - 1040) (4 f(x) x^3 - 9 f(x) x^2 + 6 f(x) x - f(x) + 1)$$

Sequence: A014827
Score: 14.8220
Type of gen. func.: ogf

$$- \frac{1}{(5 x - 1) (x - 1)^2}$$

Sequence: A014827
Score: 22.9608
Type of gen. func.: lgdogf

$$- \frac{-7 + 15 x}{(5 x - 1) (x - 1)}$$

Sequence: A014827
Score: 4.94067
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 11 a(n + 1) - 5 a(n), a(0) = 1, a(1) = 7, a(2) = 38\}$$

Sequence: A014827
Score: 5.26389
Type of gen. func.: ogf

$$(22461 f(x) - 7325) (5 f(x) x^3 - 11 f(x) x^2 + 7 f(x) x - f(x) + 1)$$

Sequence: A014829
Score: 14.5056
Type of gen. func.: ogf

$$-\frac{1}{(6x-1)(x-1)^2}$$

Sequence: A014829
Score: 21.5693
Type of gen. func.: lgdogf

$$-\frac{2(-4+9x)}{(6x-1)(x-1)}$$

Sequence: A014829
Score: 4.83521
Type of gen. func.: ogf

{a(n + 3) - 8 a(n + 2) + 13 a(n + 1) - 6 a(n), a(0) = 1, a(1) = 8, a(2) = 51}

Sequence: A014829
Score: 5.10384
Type of gen. func.: ogf

$$(54121 f(x) - 14796) (6 f(x) x^3 - 13 f(x) x^2 + 8 f(x) x - f(x) + 1)$$

Sequence: A014830
Score: 13.7924
Type of gen. func.: ogf

$$-\frac{1}{(7x-1)(x-1)^2}$$

Sequence: A014830
Score: 20.4933
Type of gen. func.: lgdogf

$$-\frac{3(-3+7x)}{(7x-1)(x-1)}$$

Sequence: A014830
Score: 4.59746
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 15 a(n + 1) - 7 a(n), a(0) = 1, a(1) = 9, a(2) = 66\}$$

Sequence: A014830
Score: 4.89823
Type of gen. func.: ogf

$$(12709 f(x) - 2989) (7 f(x) x^3 - 15 f(x) x^2 + 9 f(x) x - f(x) + 1)$$

Sequence: A014831
Score: 17.7207
Type of gen. func.: ogf

$$- \frac{1}{(8 x - 1) (x - 1)^2}$$

Sequence: A014831
Score: 26.1126
Type of gen. func.: lgdogf

$$- \frac{2 (-5 + 12 x)}{(8 x - 1) (x - 1)}$$

Sequence: A014831
Score: 5.95781
Type of gen. func.: ogf

$$\{a(n + 3) - 10 a(n + 2) + 17 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 10, a(2) = 83\}$$

Sequence: A014831
Score: 6.39914
Type of gen. func.: ogf

$$(31335 f(x) - 6464) (8 f(x) x^3 - 17 f(x) x^2 + 10 f(x) x - f(x) + 1)$$

Sequence: A014832
Score: 13.1178
Type of gen. func.: ogf

$$-\frac{1}{(9x-1)(x-1)^2}$$

Sequence: A014832
Score: 20.0014
Type of gen. func.: lgdogf

$$-\frac{-11+27x}{(9x-1)(x-1)}$$

Sequence: A014832
Score: 4.37261
Type of gen. func.: ogf

{a(n + 3) - 11 a(n + 2) + 19 a(n + 1) - 9 a(n), a(0) = 1, a(1) = 11, a(2) = 102

}

Sequence: A014832
Score: 4.65087
Type of gen. func.: ogf

$$(390277 f(x) - 71685) (9 f(x) x^3 - 19 f(x) x^2 + 11 f(x) x - f(x) + 1)$$

Sequence: A014833
Score: 5.55214
Type of gen. func.: ogf

$$-(f(x) - 1)$$

$$(2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 + x^3 - 5 f(x) x - 5 x^2 + f(x) + 4 x - 1)$$

Sequence: A014833

Score: 7.86252
Type of gen. func.: ogf

$$-\frac{x^3 - 5 x^2 + 4 x - 1}{(2 x - 1) (x - 1)^3}$$

Sequence: A014833
Score: 9.86348
Type of gen. func.: lgdogf

$$-\frac{2 x^4 - 16 x^3 + 16 x^2 - 6 x + 1}{(x - 1) (2 x - 1) (x^3 - 5 x^2 + 4 x - 1)}$$

Sequence: A014844
Score: 10.8373
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 12 x^3 - 19 x^2 + 10 x - 2}{(x - 1) (2 x - 1) (x^3 + 2 x^2 - 3 x + 1)}$$

Sequence: A014844
Score: 5.04792
Type of gen. func.: ogf

$(11 f(x) - 3)$

$$(2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 - x^3 - 5 f(x) x - 2 x^2 + f(x) + 3 x - 1)$$

Sequence: A014844
Score: 9.04694
Type of gen. func.: ogf

$$\frac{x^3 + 2 x^2 - 3 x + 1}{(2 x - 1) (x - 1)^3}$$

Sequence: A014846
Score: 14.9178
Type of gen. func.: lgdogf

$$-\frac{(4x-1)(x^2-4x+2)}{(x-1)(2x-1)(x^2-3x+1)}$$

Sequence: A014846
Score: 4.9368
Type of gen. func.: ogf

$$-(35 f(x) + 31)$$

$$(2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 + x^3 - 5 f(x) x - 3 x^2 + f(x) + x)$$

Sequence: A014846
Score: 9.40023
Type of gen. func.: ogf

$$-\frac{x(x^2-3x+1)}{(2x-1)(x-1)^3}$$

Sequence: A014848
Score: 12.7028
Type of gen. func.: ogf

$$-\frac{x(2x^2+x+1)}{(x+1)(x-1)^3}$$

Sequence: A014848
Score: 18.0864
Type of gen. func.: lgdogf

$$-\frac{4x^3+7x^2+10x+3}{(x-1)(x+1)(2x^2+x+1)}$$

Sequence: A014848
Score: 6.60547
Type of gen. func.: ogf

$$-(4192 f(x) - 8191) (f(x) x^4 - 2 f(x) x^3 + 2 x^3 + 2 f(x) x + x^2 - f(x) + x)$$

Sequence: A014881
Score: 15.6055
Type of gen. func.: ogf

$$-\frac{1}{(11 x - 1) (x - 1)^2}$$

Sequence: A014881
Score: 23.5555
Type of gen. func.: lgdogf

$$-\frac{-13 + 33 x}{(11 x - 1) (x - 1)}$$

Sequence: A014881
Score: 5.29001
Type of gen. func.: ogf

$$\{a(n + 3) - 13 a(n + 2) + 23 a(n + 1) - 11 a(n), a(0) = 1, a(1) = 13, a(2) = 146\}$$

Sequence: A014881
Score: 5.52408
Type of gen. func.: ogf

$$(1045221 f(x) - 157421) (11 f(x) x^3 - 23 f(x) x^2 + 13 f(x) x - f(x) + 1)$$

Sequence: A014882
Score: 16.1208

Type of gen. func.: ogf

$$-\frac{1}{(12 x - 1) (x - 1)^{2}}$$

Sequence: A014882
Score: 23.4465
Type of gen. func.: lgdogf

$$-\frac{2 (-7 + 18 x)}{(12 x - 1) (x - 1)}$$

Sequence: A014882
Score: 5.46468
Type of gen. func.: ogf

$$\{a(n + 3) - 14 a(n + 2) + 25 a(n + 1) - 12 a(n), a(0) = 1, a(1) = 14, a(2) = 171\}$$

Sequence: A014882
Score: 5.70648
Type of gen. func.: ogf

$$(1604041 f(x) - 221616) (12 f(x) x^{3} - 25 f(x) x^{2} + 14 f(x) x - f(x) + 1)$$

Sequence: A014888
Score: 3.01450
Type of gen. func.: ogf

$$\frac{61813 x^{2} + x + 761729}{(x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A014889
Score: 8.75059
Type of gen. func.: ogf

6 5 4 3 2

```
3934 x  + 2101 x  + x  + 7 x  + x  + 55835 x + 761664
-----------------------------------------------------
        6    5    4    3    2                  2
      (x  + x  + x  + x  + x  + x + 1) (x - 1)
```

Sequence: A014892
Score: 5.69573
Type of gen. func.: ogf

$$\frac{1731 x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + 2153 x + 42768}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A014896
Score: 16.4889
Type of gen. func.: ogf

$$- \frac{1}{(13 x - 1) (x - 1)^{2}}$$

Sequence: A014896
Score: 5.58945
Type of gen. func.: ogf

$\{a(n + 3) - 15 a(n + 2) + 27 a(n + 1) - 13 a(n), a(0) = 1, a(1) = 15,$

$a(2) = 198\}$

Sequence: A014896
Score: 5.88888
Type of gen. func.: ogf

$$(793295 f(x) - 101231) (13 f(x) x^{3} - 27 f(x) x^{2} + 15 f(x) x - f(x) + 1)$$

Sequence: A014897
Score: 16.8569
Type of gen. func.: ogf

```
          1
- -------------------
                    2
```

$$(14 x - 1) (x - 1)$$

Sequence: A014897
Score: 24.5370
Type of gen. func.: lgdogf

$$- \frac{2 (-8 + 21 x)}{(14 x - 1) (x - 1)}$$

Sequence: A014897
Score: 5.71421
Type of gen. func.: ogf

$$\{a(n + 3) - 16 a(n + 2) + 29 a(n + 1) - 14 a(n), a(0) = 1, a(1) = 16, a(2) = 227\}$$

Sequence: A014897
Score: 5.96705
Type of gen. func.: ogf

$$(3430617 f(x) - 406700) (14 f(x) x^3 - 29 f(x) x^2 + 16 f(x) x - f(x) + 1)$$

Sequence: A014898
Score: 13.3869
Type of gen. func.: ogf

$$- \frac{1}{(15 x - 1) (x - 1)^2}$$

Sequence: A014898
Score: 4.53794
Type of gen. func.: ogf

$$\{a(n + 3) - 17 a(n + 2) + 31 a(n + 1) - 15 a(n), a(0) = 1, a(1) = 17, a(2) = 258\}$$

Sequence: A014898
Score: 4.82412
Type of gen. func.: ogf

$$(689083 f(x) - 76275) (15 f(x) x^3 - 31 f(x) x^2 + 17 f(x) x - f(x) + 1)$$

Sequence: A014899
Score: 14.5214
Type of gen. func.: ogf

$$-\frac{x}{(16 x - 1) (x - 1)^2}$$

Sequence: A014899
Score: 23.3374
Type of gen. func.: lgdogf

$$-\frac{6 (-3 + 8 x)}{(16 x - 1) (x - 1)}$$

Sequence: A014899
Score: 5.55603
Type of gen. func.: ogf

$\{a(n + 3) - 18 a(n + 2) + 33 a(n + 1) - 16 a(n), a(0) = 0, a(1) = 1, a(2) = 18\}$

Sequence: A014899
Score: 6.20333
Type of gen. func.: ogf

$$(18 f(x) + 1) (16 f(x) x^3 - 33 f(x) x^2 + 18 f(x) x - f(x) + x)$$

Sequence: A014900
Score: 15.8248
Type of gen. func.: ogf

$$-\frac{1}{(17 x - 1) (x - 1)^2}$$

```
--------------------------------------------------------------------------------

Sequence:  A014900
Score: 23.9011
Type of gen. func.: lgdogf

                                    -19 + 51 x
                              - ------------------
                                (17 x - 1) (x - 1)



--------------------------------------------------------------------------------

Sequence:  A014900
Score: 5.36433
Type of gen. func.: ogf


{a(n + 3) - 19 a(n + 2) + 35 a(n + 1) - 17 a(n), a(0) = 1, a(1) = 19,

    a(2) = 326}



--------------------------------------------------------------------------------

Sequence:  A014900
Score: 5.60169
Type of gen. func.: ogf


                                        3             2
    (8957301 f(x) - 875381) (17 f(x) x  - 35 f(x) x  + 19 f(x) x - f(x) + 1)



--------------------------------------------------------------------------------

Sequence:  A014901
Score: 14.2369
Type of gen. func.: ogf

                                        1
                             - -------------------
                                                 2
                               (18 x - 1) (x - 1)



--------------------------------------------------------------------------------

Sequence:  A014901
Score: 19.9337
Type of gen. func.: lgdogf

                                  2 (-10 + 27 x)
                              - ------------------
                                (18 x - 1) (x - 1)



--------------------------------------------------------------------------------

Sequence:  A014901
```

```
Score: 4.82606
Type of gen. func.: ogf


{a(n + 3) - 20 a(n + 2) + 37 a(n + 1) - 18 a(n), a(0) = 1, a(1) = 20,

    a(2) = 363}



------------------------------------------------------------------------------

Sequence:  A014901
Score: 4.95196
Type of gen. func.: ogf


                                          3             2
   (11886625 f(x) - 1097388) (18 f(x) x  - 37 f(x) x  + 20 f(x) x - f(x) + 1)



------------------------------------------------------------------------------

Sequence:  A014903
Score: 16.3306
Type of gen. func.: ogf


                                           1
                                - -------------------
                                                    2
                                  (19 x - 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A014903
Score: 5.53580
Type of gen. func.: ogf


{a(n + 3) - 21 a(n + 2) + 39 a(n + 1) - 19 a(n), a(0) = 1, a(1) = 21,

    a(2) = 402}



------------------------------------------------------------------------------

Sequence:  A014903
Score: 5.78074
Type of gen. func.: ogf


                                         3             2
    (5178919 f(x) - 453055) (19 f(x) x  - 39 f(x) x  + 21 f(x) x - f(x) + 1)



------------------------------------------------------------------------------

Sequence:  A014904
Score: 16.6196
Type of gen. func.: ogf


                                           1
                                - -------------------
                                                    2
```

$$(20 x - 1) (x - 1)$$

Sequence: A014904
Score: 23.3294
Type of gen. func.: lgdogf

$$-\frac{2 (-11 + 30 x)}{(20 x - 1) (x - 1)}$$

Sequence: A014904
Score: 5.63377
Type of gen. func.: ogf

$$\{a(n + 3) - 22 a(n + 2) + 41 a(n + 1) - 20 a(n), a(0) = 1, a(1) = 22, a(2) = 443\}$$

Sequence: A014904
Score: 5.78074
Type of gen. func.: ogf

$$(20033241 f(x) - 1665200) (20 f(x) x^3 - 41 f(x) x^2 + 22 f(x) x - f(x) + 1)$$

Sequence: A014905
Score: 12.8926
Type of gen. func.: ogf

$$-\frac{1}{(21 x - 1) (x - 1)^2}$$

Sequence: A014905
Score: 19.4081
Type of gen. func.: lgdogf

$$-\frac{-23 + 63 x}{(21 x - 1) (x - 1)}$$

Sequence: A014905
Score: 4.37036
Type of gen. func.: ogf

$$\{a(n + 3) - 23 a(n + 2) + 43 a(n + 1) - 21 a(n), a(0) = 1, a(1) = 23, a(2) = 486\}$$

Sequence: A014905
Score: 4.48436
Type of gen. func.: ogf

$$(25515421 f(x) - 2020221) (21 f(x) x^3 - 43 f(x) x^2 + 23 f(x) x - f(x) + 1)$$

Sequence: A014907
Score: 13.1698
Type of gen. func.: ogf

$$- \frac{1}{(22 x - 1) (x - 1)^2}$$

Sequence: A014907
Score: 19.1001
Type of gen. func.: lgdogf

$$- \frac{6 (-4 + 11 x)}{(22 x - 1) (x - 1)}$$

Sequence: A014907
Score: 4.46434
Type of gen. func.: ogf

$$\{a(n + 3) - 24 a(n + 2) + 45 a(n + 1) - 22 a(n), a(0) = 1, a(1) = 24, a(2) = 531\}$$

Sequence: A014907
Score: 4.66187
Type of gen. func.: ogf

3 2

```
    (1530341 f(x) - 115676) (22 f(x) x  - 45 f(x) x  + 24 f(x) x - f(x) + 1)
```

```
Sequence:  A014909
Score: 13.3084
Type of gen. func.: ogf


                                          1
                                - -------------------
                                                    2
                                  (23 x - 1) (x - 1)
```

```
Sequence:  A014909
Score: 20.0480
Type of gen. func.: lgdogf


                                      -25 + 69 x
                                 - ------------------
                                   (23 x - 1) (x - 1)
```

```
Sequence:  A014909
Score: 4.51133
Type of gen. func.: ogf


{a(n + 3) - 25 a(n + 2) + 47 a(n + 1) - 23 a(n), a(0) = 1, a(1) = 25,

    a(2) = 578}
```

```
Sequence:  A014909
Score: 4.62902
Type of gen. func.: ogf


                                        3            2
   (40067565 f(x) - 2897333) (23 f(x) x  - 47 f(x) x  + 25 f(x) x - f(x) + 1)
```

```
Sequence:  A014913
Score: 13.3778
Type of gen. func.: ogf


                                          1
                                - -------------------
                                                    2
                                  (24 x - 1) (x - 1)
```

Sequence: A014913
Score: 18.0696
Type of gen. func.: lgdogf

$$-\frac{2\,(-13 + 36\,x)}{(24\,x - 1)\,(x - 1)}$$

Sequence: A014913
Score: 4.53483
Type of gen. func.: ogf

{a(n + 3) - 26 a(n + 2) + 49 a(n + 1) - 24 a(n), a(0) = 1, a(1) = 26,

a(2) = 627}

Sequence: A014913
Score: 4.65313
Type of gen. func.: ogf

$$(49491697\,f(x) - 3430080)\,(24\,f(x)\,x^{3} - 49\,f(x)\,x^{2} + 26\,f(x)\,x - f(x) + 1)$$

Sequence: A014914
Score: 13.6550
Type of gen. func.: ogf

$$-\frac{1}{(25\,x - 1)\,(x - 1)^{2}}$$

Sequence: A014914
Score: 19.8189
Type of gen. func.: lgdogf

$$-\frac{3\,(-9 + 25\,x)}{(25\,x - 1)\,(x - 1)}$$

Sequence: A014914
Score: 4.62881
Type of gen. func.: ogf

$$\{a(n + 3) - 27 a(n + 2) + 51 a(n + 1) - 25 a(n), a(0) = 1, a(1) = 27, a(2) = 678\}$$

Sequence: A014914
Score: 4.83363
Type of gen. func.: ogf

$$(2244863 f(x) - 149375) (25 f(x) x^3 - 51 f(x) x^2 + 27 f(x) x - f(x) + 1)$$

Sequence: A014915
Score: 18.1274
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (3 x - 1)^2}$$

Sequence: A014915
Score: 26.9443
Type of gen. func.: lgdogf

$$- \frac{-7 + 9 x}{(3 x - 1) (x - 1)}$$

Sequence: A014915
Score: 6.04246
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 15 a(n + 1) - 9 a(n), a(0) = 1, a(1) = 7, a(2) = 34\}$$

Sequence: A014915
Score: 7.24373
Type of gen. func.: ogf

$$(181 f(x) - 61) (9 f(x) x^3 - 15 f(x) x^2 + 7 f(x) x - f(x) + 1)$$

Sequence: A014916

Score: 15.6930
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(4x-1)^2}$$

Sequence: A014916
Score: 23.0639
Type of gen. func.: lgdogf

$$-\frac{3(-3+4x)}{(4x-1)(x-1)}$$

Sequence: A014916
Score: 5.32197
Type of gen. func.: ogf

$\{a(n+3) - 9a(n+2) + 24a(n+1) - 16a(n), a(0) = 1, a(1) = 9, a(2) = 57\}$

Sequence: A014916
Score: 5.88487
Type of gen. func.: ogf

$$(101 f(x) - 20)(16 f(x) x^3 - 24 f(x) x^2 + 9 f(x) x - f(x) + 1)$$

Sequence: A014917
Score: 13.9302
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(5x-1)^2}$$

Sequence: A014917
Score: 21.8089
Type of gen. func.: lgdogf

$$-\frac{-11+15x}{(5x-1)(x-1)}$$

Sequence: A014917
Score: 4.76244
Type of gen. func.: ogf

$\{a(n + 3) - 11 a(n + 2) + 35 a(n + 1) - 25 a(n), a(0) = 1, a(1) = 11, a(2) = 86\}$

Sequence: A014917
Score: 5.20753
Type of gen. func.: ogf

$$(4881 f(x) - 625) (25 f(x) x^3 - 35 f(x) x^2 + 11 f(x) x - f(x) + 1)$$

Sequence: A014918
Score: 15.0536
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (6 x - 1)^2}$$

Sequence: A014918
Score: 22.6984
Type of gen. func.: lgdogf

$$- \frac{-13 + 18 x}{(6 x - 1) (x - 1)}$$

Sequence: A014918
Score: 5.10290
Type of gen. func.: ogf

$\{a(n + 3) - 13 a(n + 2) + 48 a(n + 1) - 36 a(n), a(0) = 1, a(1) = 13,$
$a(2) = 121\}$

Sequence: A014918

Score: 5.73469
Type of gen. func.: ogf

$$(933 f(x) - 83) (36 f(x) x^{3} - 48 f(x) x^{2} + 13 f(x) x - f(x) + 1)$$

Sequence: A014920
Score: 14.3542
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (7 x - 1)^{2}}$$

Sequence: A014920
Score: 22.4955
Type of gen. func.: lgdogf

$$-\frac{3 (-5 + 7 x)}{(7 x - 1) (x - 1)}$$

Sequence: A014920
Score: 4.86581
Type of gen. func.: ogf

$\{a(n + 3) - 15 a(n + 2) + 63 a(n + 1) - 49 a(n), a(0) = 1, a(1) = 15,$

$a(2) = 162\}$

Sequence: A014920
Score: 5.36603
Type of gen. func.: ogf

$$(7625 f(x) - 497) (49 f(x) x^{3} - 63 f(x) x^{2} + 15 f(x) x - f(x) + 1)$$

Sequence: A014921
Score: 13.5125
Type of gen. func.: ogf

$$-\frac{1}{{}^{2}}$$

$$(x - 1) (8 x - 1)$$

Sequence: A014921
Score: 21.1575
Type of gen. func.: lgdogf

$$- \frac{-17 + 24 x}{(8 x - 1) (x - 1)}$$

Sequence: A014921
Score: 4.58050
Type of gen. func.: ogf

$$\{a(n + 3) - 17 a(n + 2) + 80 a(n + 1) - 64 a(n), a(0) = 1, a(1) = 17, a(2) = 209\}$$

Sequence: A014921
Score: 5.0514
Type of gen. func.: ogf

$$(3057 f(x) - 152) (64 f(x) x^3 - 80 f(x) x^2 + 17 f(x) x - f(x) + 1)$$

Sequence: A014923
Score: 12.2536
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (9 x - 1)^2}$$

Sequence: A014923
Score: 19.1525
Type of gen. func.: lgdogf

$$- \frac{-19 + 27 x}{(9 x - 1) (x - 1)}$$

Sequence: A014923
Score: 4.15377
Type of gen. func.: ogf

{a(n + 3) - 19 a(n + 2) + 99 a(n + 1) - 81 a(n), a(0) = 1, a(1) = 19,

a(2) = 262}

Sequence: A014923
Score: 4.53839
Type of gen. func.: ogf

$$(24911 f(x) - 975) (81 f(x) x^3 - 99 f(x) x^2 + 19 f(x) x - f(x) + 1)$$

Sequence: A014925
Score: 12.2098
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (10 x - 1)^2}$$

Sequence: A014925
Score: 4.27342
Type of gen. func.: ogf

{a(n + 3) - 21 a(n + 2) + 120 a(n + 1) - 100 a(n), a(0) = 1, a(1) = 21,

a(2) = 321}

Sequence: A014925
Score: 4.66192
Type of gen. func.: ogf

$$(10288 f(x) - 325) (100 f(x) x^3 - 120 f(x) x^2 + 21 f(x) x - f(x) + 1)$$

Sequence: A014926
Score: 10.9583
Type of gen. func.: ogf

$$-\frac{1}{\quad}$$

$$(x - 1)\,(11\,x - 1)^{2}$$

Sequence: A014926
Score: 16.6355
Type of gen. func.: lgdogf

$$-\frac{-23 + 33\,x}{(11\,x - 1)\,(x - 1)}$$

Sequence: A014926
Score: 3.83542
Type of gen. func.: ogf

$$\{a(n + 3) - 23\,a(n + 2) + 143\,a(n + 1) - 121\,a(n),\ a(0) = 1,\ a(1) = 23,\ a(2) = 386\}$$

Sequence: A014926
Score: 4.10937
Type of gen. func.: ogf

$$(194871\,f(x) - 5071)\,(121\,f(x)\,x^{3} - 143\,f(x)\,x^{2} + 23\,f(x)\,x - f(x) + 1)$$

Sequence: A014927
Score: 11.2884
Type of gen. func.: ogf

$$-\frac{1}{(x - 1)\,(12\,x - 1)^{2}}$$

Sequence: A014927
Score: 17.8086
Type of gen. func.: lgdogf

$$-\frac{-25 + 36\,x}{(12\,x - 1)\,(x - 1)}$$

Sequence: A014927
Score: 3.95094
Type of gen. func.: ogf

$\{a(n + 3) - 25 a(n + 2) + 168 a(n + 1) - 144 a(n), a(0) = 1, a(1) = 25, a(2) = 457\}$

Sequence: A014927
Score: 4.27129
Type of gen. func.: ogf

$$(49355 f(x) - 1076) (144 f(x) x^3 - 168 f(x) x^2 + 25 f(x) x - f(x) + 1)$$

Sequence: A014928
Score: 11.4865
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (13 x - 1)^2}$$

Sequence: A014928
Score: 17.4570
Type of gen. func.: lgdogf

$$-\frac{3 (-9 + 13 x)}{(13 x - 1) (x - 1)}$$

Sequence: A014928
Score: 4.02026
Type of gen. func.: ogf

$\{a(n + 3) - 27 a(n + 2) + 195 a(n + 1) - 169 a(n), a(0) = 1, a(1) = 27, a(2) = 534\}$

Sequence: A014928
Score: 4.38573
Type of gen. func.: ogf

$$(16139 f(x) - 299) (169 f(x) x^3 - 195 f(x) x^2 + 27 f(x) x - f(x) + 1)$$

Sequence: A014929
Score: 17.1759
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (14 x - 1)^2}$$

Sequence: A014929
Score: 27.2927
Type of gen. func.: lgdogf

$$- \frac{-29 + 42 x}{(14 x - 1) (x - 1)}$$

Sequence: A014929
Score: 6.01157
Type of gen. func.: ogf

{a(n + 3) - 29 a(n + 2) + 224 a(n + 1) - 196 a(n), a(0) = 1, a(1) = 29,

a(2) = 617}

Sequence: A014929
Score: 6.44096
Type of gen. func.: ogf

$$(155937 f(x) - 2485) (196 f(x) x^3 - 224 f(x) x^2 + 29 f(x) x - f(x) + 1)$$

Sequence: A014930
Score: 12.0145
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (15 x - 1)^2}$$

Sequence: A014930
Score: 18.9816
Type of gen. func.: lgdogf

$$-\frac{-31 + 45 x}{(15 x - 1) (x - 1)}$$

Sequence: A014930
Score: 4.20509
Type of gen. func.: ogf

{a(n + 3) - 31 a(n + 2) + 255 a(n + 1) - 225 a(n), a(0) = 1, a(1) = 31,

a(2) = 706}

Sequence: A014930
Score: 4.58737
Type of gen. func.: ogf

$$(41511 f(x) - 575) (225 f(x) x^3 - 255 f(x) x^2 + 31 f(x) x - f(x) + 1)$$

Sequence: A014931
Score: 12.2786
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (16 x - 1)^2}$$

Sequence: A014931
Score: 18.0218
Type of gen. func.: lgdogf

$$-\frac{3 (-11 + 16 x)}{(16 x - 1) (x - 1)}$$

Sequence: A014931
Score: 4.29752
Type of gen. func.: ogf

$$\{a(n+3) - 33\,a(n+2) + 288\,a(n+1) - 256\,a(n),\ a(0) = 1,\ a(1) = 33,\ a(2) = 801\}$$

Sequence: A014931
Score: 4.60448
Type of gen. func.: ogf

$$(198841\,f(x) - 2416)\,(256\,f(x)\,x^3 - 288\,f(x)\,x^2 + 33\,f(x)\,x - f(x) + 1)$$

Sequence: A014934
Score: 14.1660
Type of gen. func.: ogf

$$-\frac{1}{(x-1)\,(17\,x-1)^2}$$

Sequence: A014934
Score: 19.6214
Type of gen. func.: lgdogf

$$-\frac{-35 + 51\,x}{(17\,x-1)\,(x-1)}$$

Sequence: A014934
Score: 4.95812
Type of gen. func.: ogf

$$\{a(n+3) - 35\,a(n+2) + 323\,a(n+1) - 289\,a(n),\ a(0) = 1,\ a(1) = 35,\ a(2) = 902\}$$

Sequence: A014934
Score: 5.21908
Type of gen. func.: ogf

$$(1602885\,f(x) - 17221)\,(289\,f(x)\,x^3 - 323\,f(x)\,x^2 + 35\,f(x)\,x - f(x) + 1)$$

Sequence: A014935
Score: 12.7407
Type of gen. func.: ogf

$$-\frac{1}{(x-1)\,(18\,x-1)^{2}}$$

Sequence: A014935
Score: 19.4081
Type of gen. func.: lgdogf

$$-\frac{-37+54\,x}{(18\,x-1)\,(x-1)}$$

Sequence: A014935
Score: 4.42240
Type of gen. func.: ogf

$$\{a(n+3)-37\,a(n+2)+360\,a(n+1)-324\,a(n),\ a(0)=1,\ a(1)=37,\ a(2)=1009\}$$

Sequence: A014935
Score: 4.77776
Type of gen. func.: ogf

$$(176534\,f(x)-1689)\,(324\,f(x)\,x^{3}-360\,f(x)\,x^{2}+37\,f(x)\,x-f(x)+1)$$

Sequence: A014936
Score: 12.8727
Type of gen. func.: ogf

$$-\frac{1}{(x-1)\,(19\,x-1)^{2}}$$

Sequence: A014936
Score: 18.9130
Type of gen. func.: lgdogf

$$-\frac{3(-13+19x)}{(19x-1)(x-1)}$$

Sequence: A014936
Score: 4.46822
Type of gen. func.: ogf

{a(n + 3) - 39 a(n + 2) + 399 a(n + 1) - 361 a(n), a(0) = 1, a(1) = 39, a(2) = 1122}

Sequence: A014936
Score: 4.82727
Type of gen. func.: ogf

$$(919621 f(x) - 7885) (361 f(x) x^3 - 399 f(x) x^2 + 39 f(x) x - f(x) + 1)$$

Sequence: A014937
Score: 13.0708
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(20x-1)^2}$$

Sequence: A014937
Score: 20.6878
Type of gen. func.: lgdogf

$$-\frac{-41+60x}{(20x-1)(x-1)}$$

Sequence: A014937
Score: 4.53697
Type of gen. func.: ogf

{a(n + 3) - 41 a(n + 2) + 440 a(n + 1) - 400 a(n), a(0) = 1, a(1) = 41, a(2) = 1241}

Sequence: A014937
Score: 4.81555
Type of gen. func.: ogf

$$(1772853 f(x) - 13700) (400 f(x) x^3 - 440 f(x) x^2 + 41 f(x) x - f(x) + 1)$$

Sequence: A014938
Score: 13.2688
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (21 x - 1)^2}$$

Sequence: A014938
Score: 20.2296
Type of gen. func.: lgdogf

$$-\frac{-43 + 63 x}{(21 x - 1) (x - 1)}$$

Sequence: A014938
Score: 4.60571
Type of gen. func.: ogf

$\{a(n + 3) - 43 a(n + 2) + 483 a(n + 1) - 441 a(n), a(0) = 1, a(1) = 43,$

$a(2) = 1366\}$

Sequence: A014938
Score: 4.88851
Type of gen. func.: ogf

$$(1500907 f(x) - 10507) (441 f(x) x^3 - 483 f(x) x^2 + 43 f(x) x - f(x) + 1)$$

Sequence: A014940
Score: 13.3348
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(22x-1)^2}$$

Sequence: A014940
Score: 19.6062
Type of gen. func.: lgdogf

$$-\frac{3(-15+22x)}{(22x-1)(x-1)}$$

Sequence: A014940
Score: 4.62862
Type of gen. func.: ogf

$$\{a(n+3) - 45a(n+2) + 528a(n+1) - 484a(n), a(0) = 1, a(1) = 45, a(2) = 1497\}$$

Sequence: A014940
Score: 5.09148
Type of gen. func.: ogf

$$(22445f(x) - 143)(484f(x)x^3 - 528f(x)x^2 + 45f(x)x - f(x) + 1)$$

Sequence: A014941
Score: 13.5329
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(23x-1)^2}$$

Sequence: A014941
Score: 21.4343
Type of gen. func.: lgdogf

$$-\frac{-47+69x}{(23x-1)(x-1)}$$

Sequence: A014941
Score: 4.69736
Type of gen. func.: ogf

$$\{a(n+3) - 47\, a(n+2) + 575\, a(n+1) - 529\, a(n),\ a(0) = 1,\ a(1) = 47,\ a(2) = 1634\}$$

Sequence: A014941
Score: 4.9858
Type of gen. func.: ogf

$$(7034763\, f(x) - 40963)\,(529\, f(x)\, x^3 - 575\, f(x)\, x^2 + 47\, f(x)\, x - f(x) + 1)$$

Sequence: A014942
Score: 13.6649
Type of gen. func.: ogf

$$-\frac{1}{(x-1)\,(24\,x-1)^2}$$

Sequence: A014942
Score: 21.6475
Type of gen. func.: lgdogf

$$-\frac{-49 + 72\,x}{(24\,x-1)\,(x-1)}$$

Sequence: A014942
Score: 4.74319
Type of gen. func.: ogf

$$\{a(n+3) - 49\, a(n+2) + 624\, a(n+1) - 576\, a(n),\ a(0) = 1,\ a(1) = 49,\ a(2) = 1777\}$$

Sequence: A014942

Score: 5.07899
Type of gen. func.: ogf

$$(1445013 f(x) - 7720) (576 f(x) x^{3} - 624 f(x) x^{2} + 49 f(x) x - f(x) + 1)$$

Sequence: A014943
Score: 11.9283
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (25 x - 1)^{2}}$$

Sequence: A014943
Score: 17.5056
Type of gen. func.: lgdogf

$$-\frac{3 (-17 + 25 x)}{(25 x - 1) (x - 1)}$$

Sequence: A014943
Score: 4.14040
Type of gen. func.: ogf

$$\{a(n + 3) - 51 a(n + 2) + 675 a(n + 1) - 625 a(n), a(0) = 1, a(1) = 51, a(2) = 1926\}$$

Sequence: A014943
Score: 4.39464
Type of gen. func.: ogf

$$(3532127 f(x) - 17375) (625 f(x) x^{3} - 675 f(x) x^{2} + 51 f(x) x - f(x) + 1)$$

Sequence: A014969
Score: 12.2417
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-8 x^{2} + 4 x - 8}{}$$

$$-x^{4} + 1$$

Sequence: A014970
Score: 11.5282
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-12 x^{2} + 6 x - 12}{-x^{4} + 1}$$

Sequence: A014972
Score: 12.9615
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-16 x^{2} + 8 x - 16}{-x^{4} + 1}$$

Sequence: A014979
Score: 3.35565
Type of gen. func.: ogf

$$-(2180454976 f(x) - 167842065)$$

$$(f(x) x^{3} - 195 f(x) x^{2} + 195 f(x) x + 15 x^{2} - f(x) + x)$$

Sequence: A014979
Score: 3.81454
Type of gen. func.: ogf

$$\{a(n + 3) - 195 a(n + 2) + 195 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 210\}$$

Sequence: A014979
Score: 7.19840
Type of gen. func.: ogf

$$-\frac{x (15 x + 1)}{(x - 1) (x^{2} - 194 x + 1)}$$

Sequence: A014979
Score: 7.97466
Type of gen. func.: lgdogf

$$-\frac{6\,(5\,x^3-487\,x^2-65\,x+35)}{(x-1)\,(15\,x+1)\,(x^2-194\,x+1)}$$

Sequence: A014983
Score: 11.8039
Type of gen. func.: ogf

$$3\,f(x)\,x^2-2\,f(x)\,x-f(x)+x$$

Sequence: A014983
Score: 20.8501
Type of gen. func.: revogf

$$\frac{-1+2\,x+(16\,x^2-4\,x+1)^{1/2}}{6\,x}$$

Sequence: A014983
Score: 21.1039
Type of gen. func.: ogf

$$-\frac{x}{(3\,x+1)\,(x-1)}$$

Sequence: A014983
Score: 29.1901
Type of gen. func.: lgdogf

$$-\frac{2\,(-1+3\,x)}{(3\,x+1)\,(x-1)}$$

Sequence: A014983
Score: 8.59790
Type of gen. func.: ogf

$$\{a(n+2) + 2\,a(n+1) - 3\,a(n),\ a(0) = 0,\ a(1) = 1\}$$

Sequence: A014985
Score: 17.4692
Type of gen. func.: revogf

$$\frac{-1 + 3x + (25x^2 - 6x + 1)^{1/2}}{8x}$$

Sequence: A014985
Score: 20.3266
Type of gen. func.: ogf

$$-\frac{1}{(4x+1)(x-1)}$$

Sequence: A014985
Score: 26.5835
Type of gen. func.: lgdogf

$$-\frac{-3 + 8x}{(4x+1)(x-1)}$$

Sequence: A014985
Score: 7.18868
Type of gen. func.: ogf

$$\{a(n+2) + 3\,a(n+1) - 4\,a(n),\ a(0) = 1,\ a(1) = -3\}$$

Sequence: A014985
Score: 7.18869
Type of gen. func.: ogf

$$(17 f(x) - 8)(4 f(x) x^2 - 3 f(x) x - f(x) + 1)$$

Sequence: A014986
Score: 16.2664
Type of gen. func.: revogf

$$\frac{4 x - 1 + (36 x^2 - 8 x + 1)^{1/2}}{10 x}$$

Sequence: A014986
Score: 19.0020
Type of gen. func.: ogf

$$- \frac{1}{(5 x + 1) (x - 1)}$$

Sequence: A014986
Score: 22.7730
Type of gen. func.: lgdogf

$$- \frac{2 (-2 + 5 x)}{(5 x + 1) (x - 1)}$$

Sequence: A014986
Score: 6.72022
Type of gen. func.: ogf

$$\{a(n + 2) + 4 a(n + 1) - 5 a(n), a(0) = 1, a(1) = -4\}$$

Sequence: A014986
Score: 6.72023
Type of gen. func.: ogf

$$(13 f(x) - 5) (5 f(x) x^2 - 4 f(x) x - f(x) + 1)$$

Sequence: A014987
Score: 16.7037
Type of gen. func.: revogf

$$\frac{-1 + 5 x + (49 x^2 - 10 x + 1)^{1/2}}{12 x}$$

Sequence: A014987
Score: 20.6817
Type of gen. func.: ogf

$$- \frac{1}{(6 x + 1) (x - 1)}$$

Sequence: A014987
Score: 25.7516
Type of gen. func.: lgdogf

$$- \frac{-5 + 12 x}{(6 x + 1) (x - 1)}$$

Sequence: A014987
Score: 7.22616
Type of gen. func.: ogf

$$(37 f(x) - 12) (6 f(x) x^2 - 5 f(x) x - f(x) + 1)$$

Sequence: A014987
Score: 7.31427
Type of gen. func.: ogf

$$\{a(n + 2) + 5 a(n + 1) - 6 a(n), a(0) = 1, a(1) = -5\}$$

Sequence: A014989
Score: 16.5597
Type of gen. func.: revogf

$$\frac{6 x - 1 + (64 x^2 - 12 x + 1)^{1/2}}{14 x}$$

Sequence: A014989
Score: 19.9371
Type of gen. func.: ogf

$$-\frac{1}{(7 x + 1) (x - 1)}$$

Sequence: A014989
Score: 23.8460
Type of gen. func.: lgdogf

$$-\frac{2 (-3 + 7 x)}{(7 x + 1) (x - 1)}$$

Sequence: A014989
Score: 7.05093
Type of gen. func.: ogf

$$(25 f(x) - 7) (7 f(x) x^2 - 6 f(x) x - f(x) + 1)$$

Sequence: A014989
Score: 7.05093
Type of gen. func.: ogf

$$\{a(n + 2) + 6 a(n + 1) - 7 a(n), a(0) = 1, a(1) = -6\}$$

Sequence: A014990
Score: 15.1201
Type of gen. func.: revogf

$$\frac{-1 + 7 x + (81 x^2 - 14 x + 1)^{1/2}}{16 x}$$

Sequence: A014990
Score: 18.7835
Type of gen. func.: ogf

$$1$$

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- -----------------
  (8 x + 1) (x - 1)
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Sequence: A014990
Score: 22.3777
Type of gen. func.: lgdogf

$$-\frac{-7 + 16 x}{(8 x + 1) (x - 1)}$$

Sequence: A014990
Score: 6.56291
Type of gen. func.: ogf

$$(65 f(x) - 16) (8 f(x) x^2 - 7 f(x) x - f(x) + 1)$$

Sequence: A014990
Score: 6.64294
Type of gen. func.: ogf

$$\{a(n + 2) + 7 a(n + 1) - 8 a(n), a(0) = 1, a(1) = -7\}$$

Sequence: A014991
Score: 14.0613
Type of gen. func.: revogf

$$\frac{8 x - 1 + (100 x^2 - 16 x + 1)^{1/2}}{18 x}$$

Sequence: A014991
Score: 17.4419
Type of gen. func.: ogf

$$-\frac{1}{(9 x + 1) (x - 1)}$$

Sequence: A014991

Score: 20.8107
Type of gen. func.: lgdogf

$$-\frac{2(-4+9x)}{(9x+1)(x-1)}$$

Sequence: A014991
Score: 6.16848
Type of gen. func.: ogf

$$(41 f(x) - 9)(9 f(x) x^2 - 8 f(x) x - f(x) + 1)$$

Sequence: A014991
Score: 6.16848
Type of gen. func.: ogf

$$\{a(n+2) + 8 a(n+1) - 9 a(n), a(0) = 1, a(1) = -8\}$$

Sequence: A014992
Score: 14.0613
Type of gen. func.: revogf

$$\frac{9x - 1 + (121 x^2 - 18 x + 1)^{1/2}}{20 x}$$

Sequence: A014992
Score: 16.8605
Type of gen. func.: ogf

$$-\frac{1}{(10x+1)(x-1)}$$

Sequence: A014992
Score: 20.8107
Type of gen. func.: lgdogf

$$-\frac{-9+20x}{(10x+1)(x-1)}$$

Sequence: A014992
Score: 5.95077
Type of gen. func.: ogf

$$(101 f(x) - 20) (10 f(x) x^2 - 9 f(x) x - f(x) + 1)$$

Sequence: A014992
Score: 6.09416
Type of gen. func.: ogf

$$\{a(n + 2) + 9 a(n + 1) - 10 a(n), a(0) = 1, a(1) = -9\}$$

Sequence: A014993
Score: 12.8584
Type of gen. func.: revogf

$$\frac{-1 + 10 x + (144 x^2 - 20 x + 1)^{1/2}}{22 x}$$

Sequence: A014993
Score: 15.8111
Type of gen. func.: ogf

$$- \frac{1}{(11 x + 1) (x - 1)}$$

Sequence: A014993
Score: 5.76641
Type of gen. func.: ogf

$$\{a(n + 2) + 10 a(n + 1) - 11 a(n), a(0) = 1, a(1) = -10\}$$

Sequence: A014993
Score: 5.76642
Type of gen. func.: ogf

2

$$(61 f(x) - 11) (11 f(x) x - 10 f(x) x - f(x) + 1)$$

Sequence: A014994
Score: 13.0764
Type of gen. func.: revogf

$$\frac{-1 + 11 x + (169 x^2 - 22 x + 1)^{1/2}}{24 x}$$

Sequence: A014994
Score: 16.0853
Type of gen. func.: ogf

$$- \frac{1}{(12 x + 1) (x - 1)}$$

Sequence: A014994
Score: 19.6145
Type of gen. func.: lgdogf

$$- \frac{-11 + 24 x}{(12 x + 1) (x - 1)}$$

Sequence: A014994
Score: 5.7982
Type of gen. func.: ogf

$$(145 f(x) - 24) (12 f(x) x^2 - 11 f(x) x - f(x) + 1)$$

Sequence: A014994
Score: 5.86641
Type of gen. func.: ogf

$$\{a(n + 2) + 11 a(n + 1) - 12 a(n), a(0) = 1, a(1) = -11\}$$

Sequence: A015000
Score: 13.3669

Type of gen. func.: revogf

$$\frac{-1 + 12 x + (196 x^2 - 24 x + 1)^{1/2}}{26 x}$$

Sequence: A015000
Score: 16.4509
Type of gen. func.: ogf

$$- \frac{1}{(13 x + 1) (x - 1)}$$

Sequence: A015000
Score: 19.3078
Type of gen. func.: lgdogf

$$- \frac{2 (-6 + 13 x)}{(13 x + 1) (x - 1)}$$

Sequence: A015000
Score: 5.99974
Type of gen. func.: ogf

$$\{a(n + 2) + 12 a(n + 1) - 13 a(n), a(0) = 1, a(1) = -12\}$$

Sequence: A015000
Score: 5.99975
Type of gen. func.: ogf

$$(85 f(x) - 13) (13 f(x) x^2 - 12 f(x) x - f(x) + 1)$$

Sequence: A015128
Score: 18.4071
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x + 2}{x^2 - 1}$$

Sequence: A015165
Score: 2.99943
Type of gen. func.: ogf_with_Euler_transform]

$$1326\,x^{11} + 1632\,x^{10} + 136\,x^{8} + 102\,x^{7}$$

Sequence: A015219
Score: 15.5074
Type of gen. func.: lgdogf

$$-\frac{x^{3} + 65\,x^{2} + 155\,x + 35}{(x - 1)\,(1 + x)\,(x^{2} + 30\,x + 1)}$$

Sequence: A015219
Score: 3.95249
Type of gen. func.: ogf

$$\{(-14\,n^{2} - 67\,n - 78)\,a(n + 1) + (28\,n^{2} + 140\,n + 273)\,a(n + 2)$$
$$+ (-14\,n^{2} - 73\,n - 93)\,a(n + 3),\ a(0) = 1,\ a(1) = 35,\ a(2) = 165\}$$

Sequence: A015219
Score: 5.05488
Type of gen. func.: ogf

$$(6784\,f(x) + 170841)$$
$$(f(x)\,x^{4} - 4\,f(x)\,x^{3} + 6\,f(x)\,x^{2} - x^{3} - 4\,f(x)\,x - 31\,x^{2} + f(x) - 31\,x - 1)$$

Sequence: A015219
Score: 9.40592
Type of gen. func.: ogf

$$\frac{(1 + x)\,(x^{2} + 30\,x + 1)}{(x - 1)^{4}}$$

Sequence: A015220
Score: 5.84384
Type of gen. func.: ogf

$$\frac{2\,(2\,x^6 + 3\,x^5 + 5\,x^4 + 12\,x^3 + 5\,x^2 + 3\,x + 2)}{(x^2 + x + 1)^3\,(x - 1)^4}$$

Sequence: A015220
Score: 6.53983
Type of gen. func.: lgdogf

$$-\frac{8\,x^8 + 17\,x^7 + 35\,x^6 + 104\,x^5 + 72\,x^4 + 64\,x^3 + 64\,x^2 + 15\,x + 5}{(x - 1)\,(x^2 + x + 1)\,(2\,x^6 + 3\,x^5 + 5\,x^4 + 12\,x^3 + 5\,x^2 + 3\,x + 2)}$$

Sequence: A015221
Score: 5.85425
Type of gen. func.: ogf

$$\frac{x^6 + 4\,x^5 + 47\,x^4 + 24\,x^3 + 47\,x^2 + 4\,x + 1}{(1 + x)^3\,(x - 1)^4}$$

Sequence: A015221
Score: 7.13391
Type of gen. func.: lgdogf

$$-\frac{x^7 + 9\,x^6 + 151\,x^5 + 163\,x^4 + 447\,x^3 + 143\,x^2 + 105\,x + 5}{(x - 1)\,(1 + x)\,(x^6 + 4\,x^5 + 47\,x^4 + 24\,x^3 + 47\,x^2 + 4\,x + 1)}$$

Sequence: A015222
Score: 6.31832
Type of gen. func.: ogf

$$2\,(7\,x^4 + 8\,x^3 + 34\,x^2 + 8\,x + 7)$$

$$\overline{}$$
$$(1 + x)^3 (x - 1)^4$$

Sequence: A015222
Score: 8.71547
Type of gen. func.: lgdogf

$$- \frac{21 x^5 + 39 x^4 + 206 x^3 + 106 x^2 + 125 x + 15}{(x - 1) (1 + x) (7 x^4 + 8 x^3 + 34 x^2 + 8 x + 7)}$$

Sequence: A015223
Score: 12.9965
Type of gen. func.: lgdogf

$$- \frac{3 (3 x + 5) (x^2 + 26 x + 5)}{(x - 1) (9 x^3 + 111 x^2 + 71 x + 1)}$$

Sequence: A015223
Score: 4.42103
Type of gen. func.: ogf

$$(20553696 f(x) + 1377595057) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 9 x^3 - 4 f(x) x - 111 x^2 + f(x) - 71 x - 1)$$

Sequence: A015223
Score: 8.62102
Type of gen. func.: ogf

$$\frac{9 x^3 + 111 x^2 + 71 x + 1}{(x - 1)^4}$$

Sequence: A015224
Score: 5.27715
Type of gen. func.: ogf

$$\frac{2x\,(x^{7}+11x^{6}+13x^{5}+17x^{4}+34x^{3}+11x^{2}+6x+3)}{(x^{2}+x+1)^{3}\,(x-1)^{4}}$$

Sequence: A015224
Score: 5.67305
Type of gen. func.: lgdogf

$$-(3x^{9}+45x^{8}+77x^{7}+133x^{6}+334x^{5}+204x^{4}+167x^{3}+149x^{2}+31x+9)\Big/\left((x-1)(x^{2}+x+1)(x^{7}+11x^{6}+13x^{5}+17x^{4}+34x^{3}+11x^{2}+6x+3)\right)$$

Sequence: A015225
Score: 5.67850
Type of gen. func.: ogf

$$\frac{3x^{6}+10x^{5}+103x^{4}+48x^{3}+85x^{2}+6x+1}{(1+x)^{3}\,(x-1)^{4}}$$

Sequence: A015225
Score: 6.58065
Type of gen. func.: lgdogf

$$-\frac{3x^{7}+23x^{6}+337x^{5}+345x^{4}+885x^{3}+265x^{2}+183x+7}{(x-1)(1+x)(3x^{6}+10x^{5}+103x^{4}+48x^{3}+85x^{2}+6x+1)}$$

Sequence: A015226
Score: 6.27597
Type of gen. func.: ogf

$$\frac{2\,(17x^{4}+18x^{3}+68x^{2}+14x+11)}{(1+x)^{3}\,(x-1)^{4}}$$

Sequence: A015226
Score: 8.42279
Type of gen. func.: lgdogf

$$-\frac{51 x^5 + 89 x^4 + 426 x^3 + 206 x^2 + 227 x + 25}{(x - 1) (1 + x) (17 x^4 + 18 x^3 + 68 x^2 + 14 x + 11)}$$

Sequence: A015234
Score: 15.7847
Type of gen. func.: lgdogf

$$-\frac{2 (19 x^2 + 31 x - 26)}{(x - 1) (19 x^2 + 8 x - 15)}$$

Sequence: A015234
Score: 3.90251
Type of gen. func.: ogf

$$-(94392 f(x) - 13164301)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 19 x^3 - 4 f(x) x + 8 x^2 + f(x) - 15 x)$$

Sequence: A015234
Score: 7.80501
Type of gen. func.: ogf

$$-\frac{x (19 x^2 + 8 x - 15)}{(x - 1)^4}$$

Sequence: A015237
Score: 16.8655
Type of gen. func.: lgdogf

$$6 (x^2 + 5 x + 2)$$

$$-\frac{}{(x - 1)\,(3 x^2 + 8 x + 1)}$$

Sequence: A015237
Score: 3.94538
Type of gen. func.: ogf

$$-(343656 f(x) + 1037135)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 3 x^3 - 4 f(x) x - 8 x^2 + f(x) - x)$$

Sequence: A015237
Score: 7.99886
Type of gen. func.: ogf

$$\frac{x\,(3 x^2 + 8 x + 1)}{(x - 1)^4}$$

Sequence: A015238
Score: 16.1069
Type of gen. func.: lgdogf

$$-\frac{2\,(5 x^2 + 17 x + 2)}{(x - 1)\,(5 x^2 + 8 x - 1)}$$

Sequence: A015238
Score: 4.36962
Type of gen. func.: ogf

$$(920 f(x) + 2699)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 5 x^3 - 4 f(x) x - 8 x^2 + f(x) + x)$$

Sequence: A015238
Score: 8.26038
Type of gen. func.: ogf

$$\frac{x (5 x^2 + 8 x - 1)}{(x - 1)^4}$$

Sequence: A015240
Score: 15.6830
Type of gen. func.: lgdogf

$$- \frac{2 (7 x^2 + 19 x - 2)}{(x - 1) (7 x^2 + 8 x - 3)}$$

Sequence: A015240
Score: 4.0781
Type of gen. func.: ogf

$$-(150120 f(x) + 473947)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 7 x^3 - 4 f(x) x - 8 x^2 + f(x) + 3 x)$$

Sequence: A015240
Score: 8.21207
Type of gen. func.: ogf

$$\frac{x (7 x^2 + 8 x - 3)}{(x - 1)^4}$$

Sequence: A015242
Score: 16.0116
Type of gen. func.: lgdogf

$$- \frac{6 (3 x^2 + 7 x - 2)}{(x - 1) (9 x^2 + 8 x - 5)}$$

Sequence: A015242
Score: 4.11409

Type of gen. func.: ogf

$$-(4104 f(x) + 14501)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 9 x^3 - 4 f(x) x - 8 x^2 + f(x) + 5 x)$$

Sequence: A015242
Score: 8.11545
Type of gen. func.: ogf

$$\frac{x (9 x^2 + 8 x - 5)}{(x - 1)^4}$$

Sequence: A015243
Score: 14.6215
Type of gen. func.: lgdogf

$$- \frac{2 (11 x^2 + 23 x - 10)}{(x - 1) (11 x^2 + 8 x - 7)}$$

Sequence: A015243
Score: 4.16752
Type of gen. func.: ogf

$$-(744 f(x) + 2071)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 11 x^3 - 4 f(x) x - 8 x^2 + f(x) + 7 x)$$

Sequence: A015243
Score: 8.05345
Type of gen. func.: ogf

$$\frac{x (11 x^2 + 8 x - 7)}{(x - 1)^4}$$

Sequence: A015245
Score: 14.4495
Type of gen. func.: lgdogf

$$-\frac{2\,(13\,x^2 + 25\,x - 14)}{(x - 1)\,(13\,x^2 + 8\,x - 9)}$$

Sequence: A015245
Score: 4.12237
Type of gen. func.: ogf

$$(2376\,f(x) - 838295)$$

$$(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - 13\,x^3 - 4\,f(x)\,x - 8\,x^2 + f(x) + 9\,x)$$

Sequence: A015245
Score: 7.91049
Type of gen. func.: ogf

$$\frac{x\,(13\,x^2 + 8\,x - 9)}{(x - 1)^4}$$

Sequence: A015246
Score: 15.2809
Type of gen. func.: lgdogf

$$-\frac{6\,(5\,x^2 + 9\,x - 6)}{(x - 1)\,(15\,x^2 + 8\,x - 11)}$$

Sequence: A015246
Score: 4.03707
Type of gen. func.: ogf

$$(91800\,f(x) + 5382253)$$

$$(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - 15\,x^3 - 4\,f(x)\,x - 8\,x^2 + f(x) + 11\,x)$$

Sequence: A015246
Score: 7.80501
Type of gen. func.: ogf

$$\frac{x\,(15\,x^2 + 8\,x - 11)}{(x - 1)^4}$$

Sequence: A015247
Score: 14.3573
Type of gen. func.: lgdogf

$$-\frac{2\,(17\,x^2 + 29\,x - 22)}{(x - 1)\,(17\,x^2 + 8\,x - 13)}$$

Sequence: A015247
Score: 4.1182
Type of gen. func.: ogf

$$(3000\,f(x) + 260923)$$

$$(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - 17\,x^3 - 4\,f(x)\,x - 8\,x^2 + f(x) + 13\,x)$$

Sequence: A015247
Score: 7.85203
Type of gen. func.: ogf

$$\frac{x\,(17\,x^2 + 8\,x - 13)}{(x - 1)^4}$$

Sequence: A015249
Score: 14.4233
Type of gen. func.: lgdogf

$$-\frac{3\,(8\,x^2 - 4\,x - 1)}{(x - 1)\,(1 + 2\,x)\,(-1 + 4\,x)}$$

Sequence: A015249
Score: 15.9317
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (1 + 2 x) (-1 + 4 x)}$$

Sequence: A015249
Score: 5.21657
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 6 a(n + 1) + 8 a(n), a(0) = 1, a(1) = 3, a(2) = 15\}$$

Sequence: A015249
Score: 5.72304
Type of gen. func.: ogf

$$(301 f(x) + 104) (8 f(x) x^3 - 6 f(x) x^2 - 3 f(x) x + f(x) - 1)$$

Sequence: A015251
Score: 12.6732
Type of gen. func.: lgdogf

$$- \frac{81 x^2 - 42 x - 7}{(x - 1) (3 x + 1) (9 x - 1)}$$

Sequence: A015251
Score: 12.9696
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (3 x + 1) (9 x - 1)}$$

Sequence: A015251
Score: 4.39839
Type of gen. func.: ogf

```
 {a(n + 3) - 7 a(n + 2) - 21 a(n + 1) + 27 a(n), a(0) = 1, a(1) = 7, a(2) = 70}



------------------------------------------------------------------------------

Sequence:  A015251
Score: 4.77184
Type of gen. func.: ogf

                                   3            2
       (7111 f(x) + 729) (27 f(x) x  - 21 f(x) x  - 7 f(x) x + f(x) - 1)



------------------------------------------------------------------------------

Sequence:  A015253
Score: 12.2987
Type of gen. func.: ogf

                                       1
                          ----------------------------
                          (x - 1) (4 x + 1) (16 x - 1)



------------------------------------------------------------------------------

Sequence:  A015253
Score: 12.3212
Type of gen. func.: lgdogf

                                    2
                               192 x  - 104 x - 13
                         - ----------------------------
                           (x - 1) (4 x + 1) (16 x - 1)



------------------------------------------------------------------------------

Sequence:  A015253
Score: 4.58596
Type of gen. func.: ogf


{a(n + 3) - 13 a(n + 2) - 52 a(n + 1) + 64 a(n), a(0) = 1, a(1) = 13,

    a(2) = 221}



------------------------------------------------------------------------------

Sequence:  A015253
Score: 4.96462
Type of gen. func.: ogf

                                    3            2
      (68817 f(x) + 3008) (64 f(x) x  - 52 f(x) x  - 13 f(x) x + f(x) - 1)



------------------------------------------------------------------------------
```

Sequence: A015255
Score: 11.6931
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (5 x + 1) (25 x - 1)}$$

Sequence: A015255
Score: 11.9725
Type of gen. func.: lgdogf

$$- \frac{3 (125 x^2 - 70 x - 7)}{(x - 1) (5 x + 1) (25 x - 1)}$$

Sequence: A015255
Score: 4.48235
Type of gen. func.: ogf

$\{a(n + 3) - 21 a(n + 2) - 105 a(n + 1) + 125 a(n), a(0) = 1, a(1) = 21,$

$a(2) = 546\}$

Sequence: A015255
Score: 4.80252
Type of gen. func.: ogf

$$(403651 f(x) + 9125) (125 f(x) x^3 - 105 f(x) x^2 - 21 f(x) x + f(x) - 1)$$

Sequence: A015257
Score: 12.8986
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (36 x - 1) (6 x + 1)}$$

Sequence: A015257
Score: 4.90359
Type of gen. func.: ogf

$\{a(n + 3) - 31 a(n + 2) - 186 a(n + 1) + 216 a(n), a(0) = 1, a(1) = 31,$

a(2) = 1147}

Sequence: A015257
Score: 5.29762
Type of gen. func.: ogf

$$(245659 f(x) + 3240) (216 f(x) x^3 - 186 f(x) x^2 - 31 f(x) x + f(x) - 1)$$

Sequence: A015258
Score: 13.8630
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (7 x + 1) (49 x - 1)}$$

Sequence: A015258
Score: 14.2410
Type of gen. func.: lgdogf

$$- \frac{1029 x^2 - 602 x - 43}{(x - 1) (7 x + 1) (49 x - 1)}$$

Sequence: A015258
Score: 5.27021
Type of gen. func.: ogf

{a(n + 3) - 43 a(n + 2) - 301 a(n + 1) + 343 a(n), a(0) = 1, a(1) = 43,

a(2) = 2150}

Sequence: A015258
Score: 5.59382
Type of gen. func.: ogf

$$(5867751 f(x) + 49049) (343 f(x) x^3 - 301 f(x) x^2 - 43 f(x) x + f(x) - 1)$$

Sequence: A015259
Score: 10.7857
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (8 x + 1) (64 x - 1)}$$

Sequence: A015259
Score: 10.7908
Type of gen. func.: lgdogf

$$- \frac{3 (512 x^2 - 304 x - 19)}{(x - 1) (8 x + 1) (64 x - 1)}$$

Sequence: A015259
Score: 4.10036
Type of gen. func.: ogf

$\{a(n + 3) - 57 a(n + 2) - 456 a(n + 1) + 512 a(n), a(0) = 1, a(1) = 57,$

$a(2) = 3705\}$

Sequence: A015259
Score: 4.31428
Type of gen. func.: ogf

$$(17010241 f(x) + 95744) (512 f(x) x^3 - 456 f(x) x^2 - 57 f(x) x + f(x) - 1)$$

Sequence: A015260
Score: 13.2459
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (81 x - 1) (9 x + 1)}$$

Sequence: A015260
Score: 13.2995
Type of gen. func.: lgdogf

2

$$-\frac{2187 x - 1314 x - 73}{(x - 1) (81 x - 1) (9 x + 1)}$$

Sequence: A015260
Score: 5.03563
Type of gen. func.: ogf

$\{a(n + 3) - 73 a(n + 2) - 657 a(n + 1) + 729 a(n), a(0) = 1, a(1) = 73,$

$a(2) = 5986\}$

Sequence: A015260
Score: 5.25268
Type of gen. func.: ogf

$$(43525027 f(x) + 172773) (729 f(x) x^3 - 657 f(x) x^2 - 73 f(x) x + f(x) - 1)$$

Sequence: A015261
Score: 3.63718
Type of gen. func.: ogf

$\{a(n + 3) - 91 a(n + 2) - 910 a(n + 1) + 1000 a(n), a(0) = 1, a(1) = 91,$

$a(2) = 9191\}$

Sequence: A015261
Score: 3.76048
Type of gen. func.: ogf

$$(100909101 f(x) + 293000) (1000 f(x) x^3 - 910 f(x) x^2 - 91 f(x) x + f(x) - 1)$$

Sequence: A015261
Score: 9.22291
Type of gen. func.: lgdogf

$$-\frac{3000 x^2 - 1820 x - 91}{(x - 1) (10 x + 1) (100 x - 1)}$$

Sequence: A015261
Score: 9.44119
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (10 x + 1) (100 x - 1)}$$

Sequence: A015262
Score: 11.3103
Type of gen. func.: lgdogf

$$- \frac{3 (1331 x^2 - 814 x - 37)}{(x - 1) (11 x + 1) (121 x - 1)}$$

Sequence: A015262
Score: 11.5257
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (11 x + 1) (121 x - 1)}$$

Sequence: A015262
Score: 4.48221
Type of gen. func.: ogf

{a(n + 3) - 111 a(n + 2) - 1221 a(n + 1) + 1331 a(n), a(0) = 1, a(1) = 111,

a(2) = 13542}

Sequence: A015262
Score: 4.70632
Type of gen. func.: ogf

$$(215982823 f(x) + 472505) (1331 f(x) x^3 - 1221 f(x) x^2 - 111 f(x) x + f(x) - 1)$$

Sequence: A015264
Score: 3.88813
Type of gen. func.: ogf

$\{a(n+3) - 133\, a(n+2) - 1596\, a(n+1) + 1728\, a(n), a(0) = 1, a(1) = 133,$

$a(2) = 19285\}$

Sequence: A015264
Score: 4.08254
Type of gen. func.: ogf

$$(432738001\, f(x) + 730944)\, (1728\, f(x)\, x^3 - 1596\, f(x)\, x^2 - 133\, f(x)\, x + f(x) - 1)$$

Sequence: A015264
Score: 9.78869
Type of gen. func.: lgdogf

$$-\frac{5184\, x^2 - 3192\, x - 133}{(x - 1)\, (12\, x + 1)\, (144\, x - 1)}$$

Sequence: A015264
Score: 9.99806
Type of gen. func.: ogf

$$\frac{1}{(x - 1)\, (12\, x + 1)\, (144\, x - 1)}$$

Sequence: A015265
Score: 12.2259
Type of gen. func.: ogf

$$\frac{1}{(x - 1)\, (13\, x + 1)\, (169\, x - 1)}$$

Sequence: A015265
Score: 12.2606
Type of gen. func.: lgdogf

$$-\frac{6591\, x^2 - 4082\, x - 157}{(x - 1)\, (13\, x + 1)\, (169\, x - 1)}$$

```
-------------------------------------------------------------------------------

Sequence:  A015265
Score: 4.75450
Type of gen. func.: ogf


{a(n + 3) - 157 a(n + 2) - 2041 a(n + 1) + 2197 a(n), a(0) = 1, a(1) = 157,

    a(2) = 26690}



-------------------------------------------------------------------------------

Sequence:  A015265
Score: 4.99222
Type of gen. func.: ogf


                                      3              2
(117173253 f(x) + 155987) (2197 f(x) x  - 2041 f(x) x  - 157 f(x) x + f(x) - 1)



-------------------------------------------------------------------------------

Sequence:  A015266
Score: 11.3484
Type of gen. func.: ogf


                                        1
                     --------------------------------------
                     (x - 1) (1 + 2 x) (8 x + 1) (-1 + 4 x)



-------------------------------------------------------------------------------

Sequence:  A015266
Score: 4.32318
Type of gen. func.: ogf


                             4            3            2
(10013 f(x) + 512) (64 f(x) x  - 40 f(x) x  - 30 f(x) x  + 5 f(x) x + f(x) - 1)



-------------------------------------------------------------------------------

Sequence:  A015266
Score: 9.81480
Type of gen. func.: lgdogf


                                 3        2
                            256 x  - 120 x  - 60 x + 5
                    - --------------------------------------
                      (x - 1) (1 + 2 x) (8 x + 1) (-1 + 4 x)



-------------------------------------------------------------------------------

Sequence:  A015268
Score: 10.5572
Type of gen. func.: ogf
```

$$\frac{1}{(x-1)(27x+1)(3x+1)(9x-1)}$$

Sequence: A015268
Score: 4.09681
Type of gen. func.: ogf

$$(3487583 f(x) + 16767)$$

$$(729 f(x) x^4 - 540 f(x) x^3 - 210 f(x) x^2 + 20 f(x) x + f(x) - 1)$$

Sequence: A015268
Score: 9.49260
Type of gen. func.: lgdogf

$$-\frac{4 (729 x^3 - 405 x^2 - 105 x + 5)}{(x-1)(27x+1)(3x+1)(9x-1)}$$

Sequence: A015271
Score: 3.55039
Type of gen. func.: ogf

$$(353440021 f(x) + 311296)$$

$$(4096 f(x) x^4 - 3264 f(x) x^3 - 884 f(x) x^2 + 51 f(x) x + f(x) - 1)$$

Sequence: A015271
Score: 7.71418
Type of gen. func.: lgdogf

$$-\frac{16384 x^3 - 9792 x^2 - 1768 x + 51}{(x-1)(64x+1)(4x+1)(16x-1)}$$

Sequence: A015271
Score: 8.50869
Type of gen. func.: ogf

$$1$$

$$\frac{}{(x - 1) (64 x + 1) (4 x + 1) (16 x - 1)}$$

Sequence: A015272
Score: 6.00829
Type of gen. func.: lgdogf

$$- \frac{4 (15625 x^3 - 9750 x^2 - 1365 x + 26)}{(x - 1) (5 x + 1) (25 x - 1) (125 x + 1)}$$

Sequence: A015272
Score: 6.41268
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (5 x + 1) (25 x - 1) (125 x + 1)}$$

Sequence: A015273
Score: 6.33832
Type of gen. func.: lgdogf

$$- \frac{186624 x^3 - 119880 x^2 - 13764 x + 185}{(x - 1) (216 x + 1) (36 x - 1) (6 x + 1)}$$

Sequence: A015273
Score: 6.97377
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (216 x + 1) (36 x - 1) (6 x + 1)}$$

Sequence: A015275
Score: 6.97967
Type of gen. func.: lgdogf

$$- \frac{4 (117649 x^3 - 77175 x^2 - 7525 x + 75)}{(x - 1) (7 x + 1) (343 x + 1) (49 x - 1)}$$

Sequence: A015275
Score: 7.22535
Type of gen. func.: ogf

$$\frac{1}{(x-1)(7x+1)(343x+1)(49x-1)}$$

Sequence: A015276
Score: 7.17074
Type of gen. func.: lgdogf

$$-\frac{1048576x^3-698880x^2-59280x+455}{(x-1)(512x+1)(8x+1)(64x-1)}$$

Sequence: A015276
Score: 7.64588
Type of gen. func.: ogf

$$\frac{1}{(x-1)(512x+1)(8x+1)(64x-1)}$$

Sequence: A015277
Score: 6.49277
Type of gen. func.: ogf

$$\frac{1}{(x-1)(81x-1)(9x+1)(729x+1)}$$

Sequence: A015278
Score: 5.78693
Type of gen. func.: lgdogf

$$-\frac{4000000x^3-2727000x^2-183820x+909}{(x-1)(10x+1)(1000x+1)(100x-1)}$$

Sequence: A015278
Score: 6.53973
Type of gen. func.: ogf

$$\frac{1}{(x-1)(10x+1)(1000x+1)(100x-1)}$$

Sequence: A015279
Score: 6.08940
Type of gen. func.: lgdogf

$$-\frac{4(1771561x^3-1217865x^2-74481x+305)}{(x-1)(11x+1)(121x-1)(1331x+1)}$$

Sequence: A015279
Score: 6.67242
Type of gen. func.: ogf

$$\frac{1}{(x-1)(11x+1)(121x-1)(1331x+1)}$$

Sequence: A015287
Score: 6.79244
Type of gen. func.: lgdogf

$$-\frac{5120x^4-2816x^3-1320x^2+220x+11}{(x-1)(-1+4x)(8x+1)(1+2x)(16x-1)}$$

Sequence: A015287
Score: 8.58957
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(-1+4x)(8x+1)(1+2x)(16x-1)}$$

Sequence: A015288
Score: 5.09936
Type of gen. func.: lgdogf

$$-\frac{295245 x^4 - 177876 x^3 - 49410 x^2 + 3660 x + 61}{(x - 1) (27 x + 1) (81 x - 1) (9 x - 1) (3 x + 1)}$$

Sequence: A015288
Score: 6.35661
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (27 x + 1) (81 x - 1) (9 x - 1) (3 x + 1)}$$

Sequence: A015289
Score: 5.96379
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (256 x - 1) (64 x + 1) (4 x + 1) (16 x - 1)}$$

Sequence: A015291
Score: 5.38749
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (5 x + 1) (25 x - 1) (625 x - 1) (125 x + 1)}$$

Sequence: A015292
Score: 5.65431
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (216 x + 1) (36 x - 1) (1296 x - 1) (6 x + 1)}$$

Sequence: A015293
Score: 7.21807
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (7 x + 1) (2401 x - 1) (343 x + 1) (49 x - 1)}$$

Sequence: A015305
Score: 5.76699
Type of gen. func.: lgdogf

$$-\frac{3\,(65536\,x^{5} - 35840\,x^{4} - 19712\,x^{3} + 3080\,x^{2} + 308\,x - 7)}{(x - 1)\,(8\,x + 1)\,(1 + 2\,x)\,(32\,x + 1)\,(-1 + 4\,x)\,(16\,x - 1)}$$

Sequence: A015305
Score: 7.15959
Type of gen. func.: ogf

$$-\frac{1}{(x - 1)\,(8\,x + 1)\,(1 + 2\,x)\,(32\,x + 1)\,(-1 + 4\,x)\,(16\,x - 1)}$$

Sequence: A015440
Score: 18.5149
Type of gen. func.: revogf

$$\frac{-1 - x + (21\,x^{2} + 2\,x + 1)^{1/2}}{10\,x}$$

Sequence: A015440
Score: 19.4754
Type of gen. func.: ogf

$$-\frac{1}{5\,x^{2} + x - 1}$$

Sequence: A015440
Score: 29.9764
Type of gen. func.: lgdogf

$$-\frac{10\,x + 1}{5\,x^{2} + x - 1}$$

Sequence: A015440
Score: 7.74323
Type of gen. func.: ogf

$$(41 f(x) - 40) (5 f(x) x^2 + f(x) x - f(x) + 1)$$

Sequence: A015440
Score: 7.83767
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 5 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A015441
Score: 21.6941
Type of gen. func.: ogf

$$- \frac{x}{(1 + 2 x) (-1 + 3 x)}$$

Sequence: A015441
Score: 23.3082
Type of gen. func.: revogf

$$\frac{-1 - x + (25 x^2 + 2 x + 1)^{1/2}}{12 x}$$

Sequence: A015441
Score: 31.6992
Type of gen. func.: lgdogf

$$- \frac{12 x + 1}{(1 + 2 x) (-1 + 3 x)}$$

Sequence: A015441
Score: 9.90966
Type of gen. func.: ogf

2

$$(f(x) + 1) (6 f(x) x + f(x) x - f(x) + x)$$

Sequence: A015441
Score: 9.90967
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 6 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015442
Score: 17.8154
Type of gen. func.: ogf

$$-\frac{x}{7 x^2 + x - 1}$$

Sequence: A015442
Score: 19.0965
Type of gen. func.: revogf

$$\frac{-1 - x + (29 x^2 + 2 x + 1)^{1/2}}{14 x}$$

Sequence: A015442
Score: 30.9181
Type of gen. func.: lgdogf

$$-\frac{1 + 14 x}{7 x^2 + x - 1}$$

Sequence: A015442
Score: 8.13787
Type of gen. func.: ogf

$$(f(x) + 1) (7 f(x) x^2 + f(x) x - f(x) + x)$$

Sequence: A015442
Score: 8.13788
Type of gen. func.: ogf

$$\{-a(n+2)+a(n+1)+7\,a(n),\ a(0)=0,\ a(1)=1\}$$

Sequence: A015443
Score: 17.9879
Type of gen. func.: revogf

$$\frac{-1-x+(33\,x^2+2\,x+1)^{1/2}}{16\,x}$$

Sequence: A015443
Score: 18.9231
Type of gen. func.: ogf

$$-\frac{1}{8\,x^2+x-1}$$

Sequence: A015443
Score: 29.1232
Type of gen. func.: lgdogf

$$-\frac{1+16\,x}{8\,x^2+x-1}$$

Sequence: A015443
Score: 7.52364
Type of gen. func.: ogf

$$(89\,f(x)-88)\,(8\,f(x)\,x^2+f(x)\,x-f(x)+1)$$

Sequence: A015443
Score: 7.61540
Type of gen. func.: ogf

$$\{-a(n+2)+a(n+1)+8\,a(n),\ a(0)=1,\ a(1)=1\}$$

Sequence: A015445
Score: 17.1989
Type of gen. func.: revogf

$$\frac{-1 - x + (37 x^2 + 2 x + 1)^{1/2}}{18 x}$$

Sequence: A015445
Score: 18.1052
Type of gen. func.: ogf

$$- \frac{1}{9 x^2 + x - 1}$$

Sequence: A015445
Score: 27.8458
Type of gen. func.: lgdogf

$$- \frac{1 + 18 x}{9 x^2 + x - 1}$$

Sequence: A015445
Score: 7.02911
Type of gen. func.: ogf

$$(109 f(x) - 108) (9 f(x) x^2 + f(x) x - f(x) + 1)$$

Sequence: A015445
Score: 7.28626
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 9 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A015446

Score: 17.5727
Type of gen. func.: revogf

$$\frac{-1 - x + (41 x^2 + 2 x + 1)^{1/2}}{20 x}$$

Sequence: A015446
Score: 17.9466
Type of gen. func.: ogf

$$-\frac{1}{10 x^2 + x - 1}$$

Sequence: A015446
Score: 27.1579
Type of gen. func.: lgdogf

$$-\frac{1 + 20 x}{10 x^2 + x - 1}$$

Sequence: A015446
Score: 7.09519
Type of gen. func.: ogf

$$(131 f(x) - 130) (10 f(x) x^2 + f(x) x - f(x) + 1)$$

Sequence: A015446
Score: 7.35164
Type of gen. func.: ogf

{-a(n + 2) + a(n + 1) + 10 a(n), a(0) = 1, a(1) = 1}

Sequence: A015447
Score: 18.0401
Type of gen. func.: revogf

$$-1 - x + (45 x^2 + 2 x + 1)^{1/2}$$

```
    -----------------------------
               22 x
```

Sequence: A015447
Score: 18.4140
Type of gen. func.: ogf

$$-\frac{1}{11 x^2 + x - 1}$$

Sequence: A015447
Score: 27.8802
Type of gen. func.: lgdogf

$$-\frac{1 + 22 x}{11 x^2 + x - 1}$$

Sequence: A015447
Score: 7.27996
Type of gen. func.: ogf

$$(155 f(x) - 154) (11 f(x) x^2 + f(x) x - f(x) + 1)$$

Sequence: A015447
Score: 7.54308
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 11 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A015448
Score: 10.0081
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A015448
Score: 18.2370

Type of gen. func.: ogf

$$\frac{-1 + 3 x}{x^2 + 4 x - 1}$$

Sequence: A015448
Score: 20.1870
Type of gen. func.: revogf

$$\frac{-1 - 4 x + (20 x^2 - 4 x + 1)^{1/2}}{2 (-3 + x)}$$

Sequence: A015448
Score: 23.7494
Type of gen. func.: lgdogf

$$- \frac{(3 x + 1) (x - 1)}{(-1 + 3 x) (x^2 + 4 x - 1)}$$

Sequence: A015448
Score: 9.43291
Type of gen. func.: ogf

$$(26 f(x) - 25) (f(x) x^2 + 4 f(x) x - f(x) - 3 x + 1)$$

Sequence: A015449
Score: 12.9137
Type of gen. func.: ogf

$$\frac{-1 + 4 x}{x^2 + 5 x - 1}$$

Sequence: A015449
Score: 14.5834
Type of gen. func.: revogf

$$\frac{-1 - 5 x + (29 x^2 - 6 x + 1)^{1/2}}{2 (x - 4)}$$

Sequence: A015449
Score: 15.7986
Type of gen. func.: lgdogf

$$- \frac{4 x^2 - 2 x - 1}{(-1 + 4 x) (x^2 + 5 x - 1)}$$

Sequence: A015449
Score: 6.67949
Type of gen. func.: ogf

$$(37 f(x) - 36) (f(x) x^2 + 5 f(x) x - f(x) - 4 x + 1)$$

Sequence: A015449
Score: 7.08678
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A015451
Score: 12.6517
Type of gen. func.: ogf

$$\frac{5 x - 1}{x^2 + 6 x - 1}$$

Sequence: A015451
Score: 13.9287
Type of gen. func.: revogf

$$\frac{-6 x - 1 + (40 x^2 - 8 x + 1)^{1/2}}{2 (-5 + x)}$$

Sequence: A015451
Score: 15.9185
Type of gen. func.: lgdogf

$$-\frac{5x^2 - 2x - 1}{(5x - 1)(x^2 + 6x - 1)}$$

Sequence: A015451
Score: 6.54397
Type of gen. func.: ogf

$$(50 f(x) - 49) (f(x) x^2 + 6 f(x) x - f(x) - 5 x + 1)$$

Sequence: A015451
Score: 6.94299
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) + a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A015453
Score: 13.4635
Type of gen. func.: ogf

$$\frac{6x - 1}{x^2 + 7x - 1}$$

Sequence: A015453
Score: 14.8420
Type of gen. func.: revogf

$$\frac{-1 - 7x + (53x^2 - 10x + 1)^{1/2}}{2(x - 6)}$$

Sequence: A015453

Score: 16.9623
Type of gen. func.: lgdogf

$$-\frac{6 x^{2} - 2 x - 1}{(6 x - 1) (x^{2} + 7 x - 1)}$$

Sequence: A015453
Score: 6.96391
Type of gen. func.: ogf

$$(65 f(x) - 64) (f(x) x^{2} + 7 f(x) x - f(x) - 6 x + 1)$$

Sequence: A015453
Score: 7.38852
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) + a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A015454
Score: 14.0724
Type of gen. func.: ogf

$$\frac{7 x - 1}{x^{2} + 8 x - 1}$$

Sequence: A015454
Score: 15.1483
Type of gen. func.: revogf

$$\frac{-8 x - 1 + (68 x^{2} - 12 x + 1)^{1/2}}{2 (-7 + x)}$$

Sequence: A015454
Score: 7.27886
Type of gen. func.: ogf

2

$$(82 f(x) - 81) (f(x) x + 8 f(x) x - f(x) - 7 x + 1)$$

Sequence: A015454
Score: 7.72268
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) + a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A015455
Score: 11.6469
Type of gen. func.: ogf

$$\frac{8 x - 1}{x^2 + 9 x - 1}$$

Sequence: A015455
Score: 12.4959
Type of gen. func.: revogf

$$\frac{-1 - 9 x + (85 x^2 - 14 x + 1)^{1/2}}{2 (-8 + x)}$$

Sequence: A015455
Score: 13.8468
Type of gen. func.: lgdogf

$$-\frac{(4 x + 1) (2 x - 1)}{(8 x - 1) (x^2 + 9 x - 1)}$$

Sequence: A015455
Score: 5.88888
Type of gen. func.: ogf

$$(101 f(x) - 100) (f(x) x^2 + 9 f(x) x - f(x) - 8 x + 1)$$

Sequence: A015455
Score: 6.39159
Type of gen. func.: ogf

$$\{-a(n+2) + 9\, a(n+1) + a(n),\ a(0) = 1,\ a(1) = 1\}$$

Sequence: A015456
Score: 15.5535
Type of gen. func.: ogf

$$\frac{9 x - 1}{x^2 + 10 x - 1}$$

Sequence: A015456
Score: 16.3554
Type of gen. func.: revogf

$$\frac{-1 - 10 x + (104 x^2 - 16 x + 1)^{1/2}}{2 (-9 + x)}$$

Sequence: A015456
Score: 19.5357
Type of gen. func.: lgdogf

$$- \frac{9 x^2 - 2 x - 1}{(9 x - 1) (x^2 + 10 x - 1)}$$

Sequence: A015456
Score: 7.94959
Type of gen. func.: ogf

$$(122 f(x) - 121) (f(x) x^2 + 10 f(x) x - f(x) - 9 x + 1)$$

Sequence: A015456
Score: 8.62002
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) + a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A015457
Score: 15.2226
Type of gen. func.: ogf

$$\frac{10 x - 1}{x^2 + 11 x - 1}$$

Sequence: A015457
Score: 15.9837
Type of gen. func.: revogf

$$\frac{-1 - 11 x + (125 x^2 - 18 x + 1)^{1/2}}{2 (-10 + x)}$$

Sequence: A015457
Score: 18.5075
Type of gen. func.: lgdogf

$$- \frac{10 x^2 - 2 x - 1}{(10 x - 1) (x^2 + 11 x - 1)}$$

Sequence: A015457
Score: 7.86223
Type of gen. func.: ogf

$$(145 f(x) - 144) (f(x) x^2 + 11 f(x) x - f(x) - 10 x + 1)$$

Sequence: A015457
Score: 8.62002
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) + a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A015518
Score: 10.893
Type of gen. func.: ogf

$$-3 f(x) x^2 - 2 f(x) x + f(x) - x$$

Sequence: A015518
Score: 17.3700
Type of gen. func.: ogf

$$-\frac{x}{(1 + x) (-1 + 3 x)}$$

Sequence: A015518
Score: 18.0800
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (16 x^2 + 4 x + 1)^{1/2}}{6 x}$$

Sequence: A015518
Score: 25.3121
Type of gen. func.: lgdogf

$$-\frac{2 (3 x + 1)}{(1 + x) (-1 + 3 x)}$$

Sequence: A015518
Score: 7.93443
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 3 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015519
Score: 10.8023
Type of gen. func.: ogf

$$-7 f(x) x^2 - 2 f(x) x + f(x) - x$$

Sequence: A015519
Score: 17.2254
Type of gen. func.: ogf

$$-\frac{x}{7x^2+2x-1}$$

Sequence: A015519
Score: 17.4356
Type of gen. func.: revogf

$$\frac{-2x-1+(32x^2+4x+1)^{1/2}}{14x}$$

Sequence: A015519
Score: 26.1534
Type of gen. func.: lgdogf

$$-\frac{2(7x+1)}{7x^2+2x-1}$$

Sequence: A015519
Score: 7.86837
Type of gen. func.: ogf

$$\{-a(n+2)+2a(n+1)+7a(n), a(0)=0, a(1)=1\}$$

Sequence: A015520
Score: 15.1824
Type of gen. func.: ogf

$$-\frac{x}{11x^2+2x-1}$$

Sequence: A015520
Score: 15.7645
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (48 x^2 + 4 x + 1)^{1/2}}{22 x}$$

Sequence: A015520
Score: 21.8278
Type of gen. func.: lgdogf

$$- \frac{2 (11 x + 1)}{11 x^2 + 2 x - 1}$$

Sequence: A015520
Score: 7.03573
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 11 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015520
Score: 7.03574
Type of gen. func.: ogf

$$(2 f(x) + 1) (11 f(x) x^2 + 2 f(x) x - f(x) + x)$$

Sequence: A015521
Score: 10.1805
Type of gen. func.: ogf

$$-4 f(x) x^2 - 3 f(x) x + f(x) - x$$

Sequence: A015521
Score: 16.2338
Type of gen. func.: ogf

x
- ------------------

```
                              (1 + x) (-1 + 4 x)



-------------------------------------------------------------------------------

Sequence:  A015521
Score: 16.8891
Type of gen. func.: revogf


                                         2            1/2
                        -1 - 3 x + (25 x  + 6 x + 1)
                        -------------------------------
                                     8 x



-------------------------------------------------------------------------------

Sequence:  A015521
Score: 25.7008
Type of gen. func.: lgdogf


                                     3 + 8 x
                            - ------------------
                              (1 + x) (-1 + 4 x)



-------------------------------------------------------------------------------

Sequence:  A015521
Score: 7.41544
Type of gen. func.: ogf


             {-a(n + 2) + 3 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 1}



-------------------------------------------------------------------------------

Sequence:  A015523
Score: 10.4499
Type of gen. func.: ogf


                                  2
                        -5 f(x) x  - 3 f(x) x + f(x) - x



-------------------------------------------------------------------------------

Sequence:  A015523
Score: 16.6633
Type of gen. func.: ogf


                                         x
                              - ---------------
                                    2
                                 5 x  + 3 x - 1



-------------------------------------------------------------------------------

Sequence:  A015523
```

Score: 16.8613
Type of gen. func.: revogf

$$\frac{-1 - 3 x + (29 x^2 + 6 x + 1)^{1/2}}{10 x}$$

Sequence: A015523
Score: 26.3916
Type of gen. func.: lgdogf

$$-\frac{3 + 10 x}{5 x^2 + 3 x - 1}$$

Sequence: A015523
Score: 7.61163
Type of gen. func.: ogf

{-a(n + 2) + 3 a(n + 1) + 5 a(n), a(0) = 0, a(1) = 1}

Sequence: A015524
Score: 15.9317
Type of gen. func.: ogf

$$-\frac{x}{7 x^2 + 3 x - 1}$$

Sequence: A015524
Score: 16.1129
Type of gen. func.: revogf

$$\frac{-1 - 3 x + (37 x^2 + 6 x + 1)^{1/2}}{14 x}$$

Sequence: A015524
Score: 7.27743
Type of gen. func.: ogf

$$\{-a(n+2)+3\,a(n+1)+7\,a(n),\ a(0)=0,\ a(1)=1\}$$

Sequence: A015524
Score: 9.99107
Type of gen. func.: ogf

$$-7\,f(x)\,x^2-3\,f(x)\,x+f(x)-x$$

Sequence: A015525
Score: 15.9317
Type of gen. func.: ogf

$$-\frac{x}{8\,x^2+3\,x-1}$$

Sequence: A015525
Score: 16.1129
Type of gen. func.: revogf

$$\frac{-1-3\,x+(41\,x^2+6\,x+1)^{1/2}}{16\,x}$$

Sequence: A015525
Score: 7.27743
Type of gen. func.: ogf

$$\{-a(n+2)+3\,a(n+1)+8\,a(n),\ a(0)=0,\ a(1)=1\}$$

Sequence: A015525
Score: 9.99107
Type of gen. func.: ogf

$$-8\,f(x)\,x^2-3\,f(x)\,x+f(x)-x$$

Sequence: A015528
Score: 10.2426

Type of gen. func.: ogf

$$-10 f(x) x^2 - 3 f(x) x + f(x) - x$$

Sequence: A015528
Score: 16.1725
Type of gen. func.: ogf

$$-\frac{x}{(1 + 2 x) (5 x - 1)}$$

Sequence: A015528
Score: 16.8097
Type of gen. func.: revogf

$$\frac{-1 - 3 x + (49 x^2 + 6 x + 1)^{1/2}}{20 x}$$

Sequence: A015528
Score: 24.2060
Type of gen. func.: lgdogf

$$-\frac{3 + 20 x}{(1 + 2 x) (5 x - 1)}$$

Sequence: A015528
Score: 7.49459
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) + 10 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015529
Score: 11.388
Type of gen. func.: ogf

$$-11 f(x) x^2 - 3 f(x) x + f(x) - x$$

Sequence: A015529
Score: 17.9811
Type of gen. func.: ogf

$$-\frac{x}{11 x^2 + 3 x - 1}$$

Sequence: A015529
Score: 18.7152
Type of gen. func.: revogf

$$\frac{-1 - 3 x + (53 x^2 + 6 x + 1)^{1/2}}{22 x}$$

Sequence: A015529
Score: 28.0728
Type of gen. func.: lgdogf

$$-\frac{3 + 22 x}{11 x^2 + 3 x - 1}$$

Sequence: A015529
Score: 8.33270
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) + 11 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015530
Score: 15.9317
Type of gen. func.: ogf

$$-\frac{x}{3 x^2 + 4 x - 1}$$

Sequence: A015530
Score: 16.5733

Type of gen. func.: revogf

$$\frac{-1 - 4 x + (28 x^2 + 8 x + 1)^{1/2}}{6 x}$$

Sequence: A015530
Score: 7.27743
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 3 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015530
Score: 9.99107
Type of gen. func.: ogf

$$-3 f(x) x^2 - 4 f(x) x + f(x) - x$$

Sequence: A015531
Score: 15.2046
Type of gen. func.: ogf

$$-\frac{x}{(1 + x) (5 x - 1)}$$

Sequence: A015531
Score: 15.3693
Type of gen. func.: revogf

$$\frac{-1 - 4 x + (36 x^2 + 8 x + 1)^{1/2}}{10 x}$$

Sequence: A015531
Score: 23.0540
Type of gen. func.: lgdogf

$$-\frac{2 (2 + 5 x)}{(1 + x) (5 x - 1)}$$

Sequence: A015531
Score: 6.94530
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 5 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015531
Score: 9.53508
Type of gen. func.: ogf

$$-5 f(x) x^2 - 4 f(x) x + f(x) - x$$

Sequence: A015532
Score: 11.8504
Type of gen. func.: ogf

$$-7 f(x) x^2 - 4 f(x) x + f(x) - x$$

Sequence: A015532
Score: 18.8965
Type of gen. func.: ogf

$$-\frac{x}{7 x^2 + 4 x - 1}$$

Sequence: A015532
Score: 19.1566
Type of gen. func.: revogf

$$\frac{-1 - 4 x + (44 x^2 + 8 x + 1)^{1/2}}{14 x}$$

Sequence: A015532
Score: 28.7349
Type of gen. func.: lgdogf

$$-\frac{2\,(7\,x+2)}{7\,x^2+4\,x-1}$$

Sequence: A015532
Score: 8.63174
Type of gen. func.: ogf

$$\{-a(n+2)+4\,a(n+1)+7\,a(n),\ a(0)=0,\ a(1)=1\}$$

Sequence: A015533
Score: 12.1736
Type of gen. func.: ogf

$$-9\,f(x)\,x^2-4\,f(x)\,x+f(x)-x$$

Sequence: A015533
Score: 19.4119
Type of gen. func.: ogf

$$-\frac{x}{9\,x^2+4\,x-1}$$

Sequence: A015533
Score: 19.6863
Type of gen. func.: revogf

$$\frac{-1-4\,x+(52\,x^2+8\,x+1)^{1/2}}{18\,x}$$

Sequence: A015533
Score: 29.5294
Type of gen. func.: lgdogf

$$-\frac{2\,(2+9\,x)}{9\,x^2+4\,x-1}$$

Sequence: A015533
Score: 8.86715
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 9 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015534
Score: 14.2612
Type of gen. func.: ogf

$$-\frac{x}{11 x^2 + 4 x - 1}$$

Sequence: A015534
Score: 14.7997
Type of gen. func.: revogf

$$\frac{-1 - 4 x + (60 x^2 + 8 x + 1)^{1/2}}{22 x}$$

Sequence: A015534
Score: 20.4920
Type of gen. func.: lgdogf

$$-\frac{2 (2 + 11 x)}{11 x^2 + 4 x - 1}$$

Sequence: A015534
Score: 6.60884
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 11 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015534
Score: 9.03208
Type of gen. func.: ogf

$$-11 f(x) x^2 - 4 f(x) x + f(x) - x$$

Sequence: A015535
Score: 12.0658
Type of gen. func.: ogf

$$-2 f(x) x^2 - 5 f(x) x + f(x) - x$$

Sequence: A015535
Score: 19.2401
Type of gen. func.: ogf

$$-\frac{x}{2 x^2 + 5 x - 1}$$

Sequence: A015535
Score: 19.5097
Type of gen. func.: revogf

$$\frac{-1 - 5 x + (33 x^2 + 10 x + 1)^{1/2}}{4 x}$$

Sequence: A015535
Score: 31.9250
Type of gen. func.: lgdogf

$$-\frac{5 + 4 x}{2 x^2 + 5 x - 1}$$

Sequence: A015535
Score: 8.78868
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015536
Score: 12.1736
Type of gen. func.: ogf

$$-3 f(x) x^2 - 5 f(x) x + f(x) - x$$

Sequence: A015536
Score: 19.4119
Type of gen. func.: ogf

$$-\frac{x}{3 x^2 + 5 x - 1}$$

Sequence: A015536
Score: 19.6863
Type of gen. func.: revogf

$$\frac{-1 - 5 x + (37 x^2 + 10 x + 1)^{1/2}}{6 x}$$

Sequence: A015536
Score: 32.2139
Type of gen. func.: lgdogf

$$-\frac{5 + 6 x}{3 x^2 + 5 x - 1}$$

Sequence: A015536
Score: 8.86715
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + 3 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015537
Score: 11.2134
Type of gen. func.: ogf

$$-4 f(x) x^2 - 5 f(x) x + f(x) - x$$

Sequence: A015537
Score: 17.8808
Type of gen. func.: ogf

$$-\frac{x}{4 x^2 + 5 x - 1}$$

Sequence: A015537
Score: 18.1162
Type of gen. func.: revogf

$$\frac{-1 - 5 x + (41 x^2 + 10 x + 1)^{1/2}}{8 x}$$

Sequence: A015537
Score: 29.6446
Type of gen. func.: lgdogf

$$-\frac{5 + 8 x}{4 x^2 + 5 x - 1}$$

Sequence: A015537
Score: 8.16775
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015540
Score: 14.6466
Type of gen. func.: revogf

$$\frac{-1 - 5 x + (49 x^2 + 10 x + 1)^{1/2}}{12 x}$$

Sequence: A015540
Score: 14.8935
Type of gen. func.: ogf

$$-\frac{x}{(1 + x)(6 x - 1)}$$

Sequence: A015540
Score: 22.5802
Type of gen. func.: lgdogf

$$-\frac{5 + 12 x}{(1 + x)(6 x - 1)}$$

Sequence: A015540
Score: 6.80319
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + 6 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015540
Score: 9.33998
Type of gen. func.: ogf

$$-6 f(x) x^2 - 5 f(x) x + f(x) - x$$

Sequence: A015541
Score: 11.5854
Type of gen. func.: ogf

$$-7 f(x) x^2 - 5 f(x) x + f(x) - x$$

Sequence: A015541
Score: 18.2197
Type of gen. func.: revogf

$$\frac{-1 - 5 x + (53 x^2 + 10 x + 1)^{1/2}}{14 x}$$

Sequence: A015541
Score: 18.4740
Type of gen. func.: ogf

$$- \frac{x}{7 x^2 + 5 x - 1}$$

Sequence: A015541
Score: 29.3100
Type of gen. func.: lgdogf

$$- \frac{5 + 14 x}{7 x^2 + 5 x - 1}$$

Sequence: A015541
Score: 8.43873
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + 7 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015544
Score: 11.6917
Type of gen. func.: ogf

$$-8 f(x) x^2 - 5 f(x) x + f(x) - x$$

Sequence: A015544
Score: 18.3892
Type of gen. func.: revogf

$$\frac{-1 - 5 x + (57 x^2 + 10 x + 1)^{1/2}}{16 x}$$

Sequence: A015544
Score: 18.6435
Type of gen. func.: ogf

$$-\frac{x}{8 x^2 + 5 x - 1}$$

Sequence: A015544
Score: 29.5827
Type of gen. func.: lgdogf

$$-\frac{5 + 16 x}{8 x^2 + 5 x - 1}$$

Sequence: A015544
Score: 8.51615
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + 8 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015545
Score: 11.798
Type of gen. func.: ogf

$$-9 f(x) x^2 - 5 f(x) x + f(x) - x$$

Sequence: A015545
Score: 18.5587
Type of gen. func.: revogf

$$\frac{-1 - 5 x + (61 x^2 + 10 x + 1)^{1/2}}{18 x}$$

Sequence: A015545
Score: 18.8129
Type of gen. func.: ogf

$$-\frac{x}{9 x^2 + 5 x - 1}$$

Sequence: A015545
Score: 29.8553
Type of gen. func.: lgdogf

$$-\frac{5 + 18 x}{9 x^2 + 5 x - 1}$$

Sequence: A015545
Score: 8.59357
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + 9 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015547
Score: 10.6641
Type of gen. func.: ogf

$$-11 f(x) x^2 - 5 f(x) x + f(x) - x$$

Sequence: A015547
Score: 16.8380
Type of gen. func.: ogf

$$-\frac{x}{11 x^2 + 5 x - 1}$$

Sequence: A015547
Score: 17.0425
Type of gen. func.: revogf

$$\frac{-1 - 5 x + (69 x^2 + 10 x + 1)^{1/2}}{22 x}$$

Sequence: A015547
Score: 26.2738
Type of gen. func.: lgdogf

$$-\frac{5 + 22 x}{11 x^2 + 5 x - 1}$$

Sequence: A015547
Score: 7.80299
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + 11 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015548
Score: 10.7671
Type of gen. func.: ogf

$$-12 f(x) x^2 - 5 f(x) x + f(x) - x$$

Sequence: A015548
Score: 17.0007
Type of gen. func.: ogf

$$-\frac{x}{12 x^2 + 5 x - 1}$$

Sequence: A015548
Score: 17.2096
Type of gen. func.: revogf

$$\frac{-1 - 5 x + (73 x^2 + 10 x + 1)^{1/2}}{24 x}$$

Sequence: A015548

Score: 26.5314
Type of gen. func.: lgdogf

$$-\frac{5 + 24 x}{12 x^2 + 5 x - 1}$$

Sequence: A015548
Score: 7.87838
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + 12 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015551
Score: 15.4695
Type of gen. func.: revogf

$$\frac{-6 x - 1 + (56 x^2 + 12 x + 1)^{1/2}}{10 x}$$

Sequence: A015551
Score: 15.7163
Type of gen. func.: ogf

$$-\frac{x}{5 x^2 + 6 x - 1}$$

Sequence: A015551
Score: 23.8487
Type of gen. func.: lgdogf

$$-\frac{2 (3 + 5 x)}{5 x^2 + 6 x - 1}$$

Sequence: A015551
Score: 7.17905
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) + 5 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015551
Score: 9.856
Type of gen. func.: ogf

$$-5 f(x) x^2 - 6 f(x) x + f(x) - x$$

Sequence: A015552
Score: 10.0108
Type of gen. func.: ogf

$$-7 f(x) x^2 - 6 f(x) x + f(x) - x$$

Sequence: A015552
Score: 15.7163
Type of gen. func.: revogf

$$\frac{-6 x - 1 + (64 x^2 + 12 x + 1)^{1/2}}{14 x}$$

Sequence: A015552
Score: 15.9632
Type of gen. func.: ogf

$$- \frac{x}{(1 + x) (7 x - 1)}$$

Sequence: A015552
Score: 24.2293
Type of gen. func.: lgdogf

$$- \frac{2 (3 + 7 x)}{(1 + x) (7 x - 1)}$$

Sequence: A015552

Score: 7.29181
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) + 7 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015553
Score: 10.0977
Type of gen. func.: ogf

$$-11 f(x) x^2 - 6 f(x) x + f(x) - x$$

Sequence: A015553
Score: 15.9437
Type of gen. func.: ogf

$$- \frac{x}{11 x^2 + 6 x - 1}$$

Sequence: A015553
Score: 16.1277
Type of gen. func.: revogf

$$\frac{-6 x - 1 + (80 x^2 + 12 x + 1)^{1/2}}{22 x}$$

Sequence: A015553
Score: 22.9510
Type of gen. func.: lgdogf

$$- \frac{2 (3 + 11 x)}{11 x^2 + 6 x - 1}$$

Sequence: A015553
Score: 7.38852
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) + 11 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015555
Score: 10.2172
Type of gen. func.: ogf

$$-2 f(x) x^2 - 7 f(x) x + f(x) - x$$

Sequence: A015555
Score: 16.2923
Type of gen. func.: ogf

$$- \frac{x}{2 x^2 + 7 x - 1}$$

Sequence: A015555
Score: 16.4912
Type of gen. func.: revogf

$$\frac{-1 - 7 x + (57 x^2 + 14 x + 1)^{1/2}}{4 x}$$

Sequence: A015555
Score: 26.9855
Type of gen. func.: lgdogf

$$- \frac{7 + 4 x}{2 x^2 + 7 x - 1}$$

Sequence: A015555
Score: 7.44216
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015559
Score: 10.2688

Type of gen. func.: ogf

$$-3 f(x) x^2 - 7 f(x) x + f(x) - x$$

Sequence: A015559
Score: 16.3746
Type of gen. func.: ogf

$$-\frac{x}{3 x^2 + 7 x - 1}$$

Sequence: A015559
Score: 16.5757
Type of gen. func.: revogf

$$\frac{-1 - 7 x + (61 x^2 + 14 x + 1)^{1/2}}{6 x}$$

Sequence: A015559
Score: 27.1239
Type of gen. func.: lgdogf

$$-\frac{7 + 6 x}{3 x^2 + 7 x - 1}$$

Sequence: A015559
Score: 7.47974
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) + 3 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015561
Score: 10.3204
Type of gen. func.: ogf

$$-4 f(x) x^2 - 7 f(x) x + f(x) - x$$

Sequence: A015561
Score: 16.4569
Type of gen. func.: ogf

$$-\frac{x}{4 x^{2} + 7 x - 1}$$

Sequence: A015561
Score: 16.6603
Type of gen. func.: revogf

$$\frac{-1 - 7 x + (65 x^{2} + 14 x + 1)^{1/2}}{8 x}$$

Sequence: A015561
Score: 27.2623
Type of gen. func.: lgdogf

$$-\frac{7 + 8 x}{4 x^{2} + 7 x - 1}$$

Sequence: A015561
Score: 7.51733
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015562
Score: 10.372
Type of gen. func.: ogf

$$-5 f(x) x^{2} - 7 f(x) x + f(x) - x$$

Sequence: A015562
Score: 16.2923

Type of gen. func.: revogf

$$\frac{-1 - 7x + (69x^2 + 14x + 1)^{1/2}}{10x}$$

Sequence: A015562
Score: 16.5392
Type of gen. func.: ogf

$$-\frac{x}{5x^2 + 7x - 1}$$

Sequence: A015562
Score: 26.2093
Type of gen. func.: lgdogf

$$-\frac{7 + 10x}{5x^2 + 7x - 1}$$

Sequence: A015562
Score: 7.55493
Type of gen. func.: ogf

$$\{-a(n+2) + 7a(n+1) + 5a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015564
Score: 10.4236
Type of gen. func.: ogf

$$-6f(x)x^2 - 7f(x)x + f(x) - x$$

Sequence: A015564
Score: 16.3746
Type of gen. func.: revogf

$$\frac{-1 - 7x + (73x^2 + 14x + 1)^{1/2}}{}$$

$$12 x$$

Sequence: A015564
Score: 16.6214
Type of gen. func.: ogf

$$-\frac{x}{6 x^{2} + 7 x - 1}$$

Sequence: A015564
Score: 26.3417
Type of gen. func.: lgdogf

$$-\frac{7 + 12 x}{6 x^{2} + 7 x - 1}$$

Sequence: A015564
Score: 7.59251
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) + 6 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015565
Score: 10.5784
Type of gen. func.: ogf

$$-8 f(x) x^{2} - 7 f(x) x + f(x) - x$$

Sequence: A015565
Score: 16.6214
Type of gen. func.: revogf

$$\frac{-1 - 7 x + (81 x^{2} + 14 x + 1)^{1/2}}{16 x}$$

Sequence: A015565
Score: 16.8683
Type of gen. func.: ogf

$$-\frac{x}{(1 + x) (8 x - 1)}$$

Sequence: A015565
Score: 26.7388
Type of gen. func.: lgdogf

$$-\frac{7 + 16 x}{(1 + x) (8 x - 1)}$$

Sequence: A015565
Score: 7.70527
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) + 8 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015566
Score: 10.63
Type of gen. func.: ogf

$$-9 f(x) x^{2} - 7 f(x) x + f(x) - x$$

Sequence: A015566
Score: 16.7037
Type of gen. func.: revogf

$$\frac{-1 - 7 x + (85 x^{2} + 14 x + 1)^{1/2}}{18 x}$$

Sequence: A015566
Score: 16.9506
Type of gen. func.: ogf

$$-\frac{x}{{}^{2}}$$

$$9 x + 7 x - 1$$

Sequence: A015566
Score: 26.8712
Type of gen. func.: lgdogf

$$-\frac{7 + 18 x}{9 x^2 + 7 x - 1}$$

Sequence: A015566
Score: 7.74285
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) + 9 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015568
Score: 12.96
Type of gen. func.: ogf

$$-10 f(x) x^2 - 7 f(x) x + f(x) - x$$

Sequence: A015568
Score: 16.7860
Type of gen. func.: revogf

$$\frac{-1 - 7 x + (89 x^2 + 14 x + 1)^{1/2}}{20 x}$$

Sequence: A015568
Score: 20.4632
Type of gen. func.: ogf

$$-\frac{x}{10 x^2 + 7 x - 1}$$

Sequence: A015568
Score: 9.48295
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) + 10 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015570
Score: 12.96
Type of gen. func.: ogf

$$-11 f(x) x^2 - 7 f(x) x + f(x) - x$$

Sequence: A015570
Score: 16.7860
Type of gen. func.: revogf

$$\frac{-1 - 7 x + (93 x^2 + 14 x + 1)^{1/2}}{22 x}$$

Sequence: A015570
Score: 20.4632
Type of gen. func.: ogf

$$-\frac{x}{11 x^2 + 7 x - 1}$$

Sequence: A015570
Score: 9.48295
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) + 11 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015572
Score: 13.0123
Type of gen. func.: ogf

$$-12 f(x) x^2 - 7 f(x) x + f(x) - x$$

Sequence: A015572
Score: 16.8683
Type of gen. func.: revogf

$$\frac{-1 - 7 x + (97 x^2 + 14 x + 1)^{1/2}}{24 x}$$

Sequence: A015572
Score: 20.5457
Type of gen. func.: ogf

$$- \frac{x}{12 x^2 + 7 x - 1}$$

Sequence: A015572
Score: 26.0053
Type of gen. func.: lgdogf

$$- \frac{7 + 24 x}{12 x^2 + 7 x - 1}$$

Sequence: A015572
Score: 9.52118
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) + 12 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015574
Score: 13.2328
Type of gen. func.: ogf

$$-3 f(x) x^2 - 8 f(x) x + f(x) - x$$

Sequence: A015574
Score: 17.3368
Type of gen. func.: revogf

$$\frac{-8 x - 1 + (76 x^2 + 16 x + 1)^{1/2}}{6 x}$$

Sequence: A015574
Score: 21.1010
Type of gen. func.: ogf

$$- \frac{x}{3 x^2 + 8 x - 1}$$

Sequence: A015574
Score: 26.0053
Type of gen. func.: lgdogf

$$- \frac{2 (4 + 3 x)}{3 x^2 + 8 x - 1}$$

Sequence: A015574
Score: 9.63873
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) + 3 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015575
Score: 13.3391
Type of gen. func.: ogf

$$-5 f(x) x^2 - 8 f(x) x + f(x) - x$$

Sequence: A015575
Score: 17.0329
Type of gen. func.: revogf

$$\frac{-8 x - 1 + (84 x^2 + 16 x + 1)^{1/2}}{10 x}$$

Sequence: A015575
Score: 21.2705
Type of gen. func.: ogf

$$-\frac{x}{5x^2+8x-1}$$

Sequence: A015575
Score: 26.2590
Type of gen. func.: lgdogf

$$-\frac{2(4+5x)}{5x^2+8x-1}$$

Sequence: A015575
Score: 9.71615
Type of gen. func.: ogf

$$\{-a(n+2)+8a(n+1)+5a(n), a(0)=0, a(1)=1\}$$

Sequence: A015576
Score: 13.4986
Type of gen. func.: ogf

$$-7f(x)x^2-8f(x)x+f(x)-x$$

Sequence: A015576
Score: 17.2797
Type of gen. func.: revogf

$$\frac{-8x-1+(92x^2+16x+1)^{1/2}}{14x}$$

Sequence: A015576

Score: 21.5247
Type of gen. func.: ogf

$$-\frac{x}{7x^2+8x-1}$$

Sequence: A015576
Score: 26.6395
Type of gen. func.: lgdogf

$$-\frac{2(4+7x)}{7x^2+8x-1}$$

Sequence: A015576
Score: 9.83227
Type of gen. func.: ogf

$$\{-a(n+2)+8a(n+1)+7a(n), a(0)=0, a(1)=1\}$$

Sequence: A015577
Score: 12.3642
Type of gen. func.: ogf

$$-9f(x)x^2-8f(x)x+f(x)-x$$

Sequence: A015577
Score: 18.9530
Type of gen. func.: revogf

$$\frac{-8x-1+(100x^2+16x+1)^{1/2}}{18x}$$

Sequence: A015577
Score: 19.7158
Type of gen. func.: ogf

$$-\frac{x}{}$$

$$(1 + x) (9 x - 1)$$

Sequence: A015577
Score: 30.0088
Type of gen. func.: lgdogf

$$-\frac{2 (4 + 9 x)}{(1 + x) (9 x - 1)}$$

Sequence: A015577
Score: 9.00599
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) + 9 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015578
Score: 13.4826
Type of gen. func.: ogf

$$-11 f(x) x^2 - 8 f(x) x + f(x) - x$$

Sequence: A015578
Score: 16.9852
Type of gen. func.: revogf

$$\frac{-8 x - 1 + (108 x^2 + 16 x + 1)^{1/2}}{22 x}$$

Sequence: A015578
Score: 21.2883
Type of gen. func.: ogf

$$-\frac{x}{11 x^2 + 8 x - 1}$$

Sequence: A015578

Score: 24.8245
Type of gen. func.: lgdogf

$$-\frac{2 (4 + 11 x)}{11 x^2 + 8 x - 1}$$

Sequence: A015578
Score: 9.86532
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) + 11 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015579
Score: 12.3642
Type of gen. func.: ogf

$$-2 f(x) x^2 - 9 f(x) x + f(x) - x$$

Sequence: A015579
Score: 19.7158
Type of gen. func.: ogf

$$-\frac{x}{2 x^2 + 9 x - 1}$$

Sequence: A015579
Score: 20.0059
Type of gen. func.: revogf

$$\frac{-1 - 9 x + (89 x^2 + 18 x + 1)^{1/2}}{4 x}$$

Sequence: A015579
Score: 32.7369
Type of gen. func.: lgdogf

$$-\frac{9 + 4 x}{}$$

$$2 x^2 + 9 x - 1$$

Sequence: A015579
Score: 9.00599
Type of gen. func.: ogf

$$\{-a(n + 2) + 9 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015580
Score: 12.3642
Type of gen. func.: ogf

$$-4 f(x) x^2 - 9 f(x) x + f(x) - x$$

Sequence: A015580
Score: 19.7158
Type of gen. func.: ogf

$$- \frac{x}{4 x^2 + 9 x - 1}$$

Sequence: A015580
Score: 20.0059
Type of gen. func.: revogf

$$\frac{-1 - 9 x + (97 x^2 + 18 x + 1)^{1/2}}{8 x}$$

Sequence: A015580
Score: 32.7369
Type of gen. func.: lgdogf

$$- \frac{9 + 8 x}{4 x^2 + 9 x - 1}$$

Sequence: A015580
Score: 9.00599
Type of gen. func.: ogf

$$\{-a(n + 2) + 9 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015581
Score: 12.3642
Type of gen. func.: ogf

$$-5 f(x) x^2 - 9 f(x) x + f(x) - x$$

Sequence: A015581
Score: 18.9530
Type of gen. func.: revogf

$$\frac{-1 - 9 x + (101 x^2 + 18 x + 1)^{1/2}}{10 x}$$

Sequence: A015581
Score: 19.7158
Type of gen. func.: ogf

$$-\frac{x}{5 x^2 + 9 x - 1}$$

Sequence: A015581
Score: 31.3136
Type of gen. func.: lgdogf

$$-\frac{9 + 10 x}{5 x^2 + 9 x - 1}$$

Sequence: A015581
Score: 9.00599
Type of gen. func.: ogf

$$\{-a(n+2) + 9\,a(n+1) + 5\,a(n),\ a(0) = 0,\ a(1) = 1\}$$

Sequence: A015583
Score: 12.3642
Type of gen. func.: ogf

$$-7\,f(x)\,x^2 - 9\,f(x)\,x + f(x) - x$$

Sequence: A015583
Score: 18.9530
Type of gen. func.: revogf

$$\frac{-1 - 9\,x + (109\,x^2 + 18\,x + 1)^{1/2}}{14\,x}$$

Sequence: A015583
Score: 19.7158
Type of gen. func.: ogf

$$-\frac{x}{7\,x^2 + 9\,x - 1}$$

Sequence: A015583
Score: 31.3136
Type of gen. func.: lgdogf

$$-\frac{9 + 14\,x}{7\,x^2 + 9\,x - 1}$$

Sequence: A015583
Score: 9.00599
Type of gen. func.: ogf

$$\{-a(n+2) + 9\,a(n+1) + 7\,a(n),\ a(0) = 0,\ a(1) = 1\}$$

Sequence: A015584
Score: 12.3642
Type of gen. func.: ogf

$$-8 f(x) x^{2} - 9 f(x) x + f(x) - x$$

Sequence: A015584
Score: 18.9530
Type of gen. func.: revogf

$$\frac{-1 - 9 x + (113 x^{2} + 18 x + 1)^{1/2}}{16 x}$$

Sequence: A015584
Score: 19.7158
Type of gen. func.: ogf

$$-\frac{x}{8 x^{2} + 9 x - 1}$$

Sequence: A015584
Score: 31.3136
Type of gen. func.: lgdogf

$$-\frac{9 + 16 x}{8 x^{2} + 9 x - 1}$$

Sequence: A015584
Score: 9.00599
Type of gen. func.: ogf

$$\{-a(n + 2) + 9 a(n + 1) + 8 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015585
Score: 12.1581
Type of gen. func.: ogf

2

$$-10 f(x) x - 9 f(x) x + f(x) - x$$

Sequence: A015585
Score: 18.9530
Type of gen. func.: revogf

$$\frac{-1 - 9 x + (121 x^2 + 18 x + 1)^{1/2}}{20 x}$$

Sequence: A015585
Score: 19.1970
Type of gen. func.: ogf

$$-\frac{x}{(1 + x) (10 x - 1)}$$

Sequence: A015585
Score: 30.0088
Type of gen. func.: lgdogf

$$-\frac{9 + 20 x}{(1 + x) (10 x - 1)}$$

Sequence: A015585
Score: 8.89616
Type of gen. func.: ogf

$$\{-a(n + 2) + 9 a(n + 1) + 10 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015587
Score: 12.6218
Type of gen. func.: ogf

$$-11 f(x) x^2 - 9 f(x) x + f(x) - x$$

Sequence: A015587
Score: 17.6262

Type of gen. func.: revogf

$$\frac{-1 - 9 x + (125 x^2 + 18 x + 1)^{1/2}}{22 x}$$

Sequence: A015587
Score: 19.9291
Type of gen. func.: ogf

$$- \frac{x}{11 x^2 + 9 x - 1}$$

Sequence: A015587
Score: 27.9081
Type of gen. func.: lgdogf

$$- \frac{9 + 22 x}{11 x^2 + 9 x - 1}$$

Sequence: A015587
Score: 9.23543
Type of gen. func.: ogf

$$\{-a(n + 2) + 9 a(n + 1) + 11 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015588
Score: 11.8736
Type of gen. func.: ogf

$$-3 f(x) x^2 - 10 f(x) x + f(x) - x$$

Sequence: A015588
Score: 18.5075
Type of gen. func.: revogf

$$\frac{-1 - 10 x + (112 x^2 + 20 x + 1)^{1/2}}{}$$

$$6 x$$

Sequence: A015588
Score: 18.7478
Type of gen. func.: ogf

$$-\frac{x}{3 x^{2} + 10 x - 1}$$

Sequence: A015588
Score: 28.1314
Type of gen. func.: lgdogf

$$-\frac{2 (3 x + 5)}{3 x^{2} + 10 x - 1}$$

Sequence: A015588
Score: 8.68802
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) + 3 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015589
Score: 11.8736
Type of gen. func.: ogf

$$-7 f(x) x^{2} - 10 f(x) x + f(x) - x$$

Sequence: A015589
Score: 18.0329
Type of gen. func.: revogf

$$\frac{-1 - 10 x + (128 x^{2} + 20 x + 1)^{1/2}}{14 x}$$

Sequence: A015589
Score: 18.7478
Type of gen. func.: ogf

$$-\frac{x}{7 x^{2} + 10 x - 1}$$

Sequence: A015589
Score: 28.1314
Type of gen. func.: lgdogf

$$-\frac{2 (5 + 7 x)}{7 x^{2} + 10 x - 1}$$

Sequence: A015589
Score: 8.68802
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) + 7 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015591
Score: 11.8736
Type of gen. func.: ogf

$$-9 f(x) x^{2} - 10 f(x) x + f(x) - x$$

Sequence: A015591
Score: 18.0329
Type of gen. func.: revogf

$$\frac{-1 - 10 x + (136 x^{2} + 20 x + 1)^{1/2}}{18 x}$$

Sequence: A015591
Score: 18.7478
Type of gen. func.: ogf

$$x$$

$$- \frac{\qquad}{9 x^2 + 10 x - 1}$$

Sequence: A015591
Score: 28.1314
Type of gen. func.: lgdogf

$$- \frac{2 (5 + 9 x)}{9 x^2 + 10 x - 1}$$

Sequence: A015591
Score: 8.68802
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) + 9 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015592
Score: 12.6732
Type of gen. func.: revogf

$$\frac{-1 - 10 x + (144 x^2 + 20 x + 1)^{1/2}}{22 x}$$

Sequence: A015592
Score: 12.8955
Type of gen. func.: ogf

$$- \frac{x}{(1 + x) (11 x - 1)}$$

Sequence: A015592
Score: 19.0097
Type of gen. func.: lgdogf

$$- \frac{2 (5 + 11 x)}{(1 + x) (11 x - 1)}$$

Sequence: A015592
Score: 6.05933
Type of gen. func.: ogf

$$\{-a(n+2) + 10\, a(n+1) + 11\, a(n),\ a(0) = 0,\ a(1) = 1\}$$

Sequence: A015592
Score: 8.24467
Type of gen. func.: ogf

$$-11\, f(x)\, x^2 - 10\, f(x)\, x + f(x) - x$$

Sequence: A015593
Score: 10.6348
Type of gen. func.: ogf

$$-2\, f(x)\, x^2 - 11\, f(x)\, x + f(x) - x$$

Sequence: A015593
Score: 16.5554
Type of gen. func.: revogf

$$\frac{-1 - 11\, x + (129\, x^2 + 22\, x + 1)^{1/2}}{4\, x}$$

Sequence: A015593
Score: 16.7918
Type of gen. func.: ogf

$$-\frac{x}{2\, x^2 + 11\, x - 1}$$

Sequence: A015593
Score: 26.2126
Type of gen. func.: lgdogf

$$11 + 4\, x$$

$$-\frac{\quad}{2 x^{2} + 11 x - 1}$$

Sequence: A015593
Score: 7.78159
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015594
Score: 10.6348
Type of gen. func.: ogf

$$-3 f(x) x^{2} - 11 f(x) x + f(x) - x$$

Sequence: A015594
Score: 16.5554
Type of gen. func.: revogf

$$\frac{-1 - 11 x + (133 x^{2} + 22 x + 1)^{1/2}}{6 x}$$

Sequence: A015594
Score: 16.7918
Type of gen. func.: ogf

$$-\frac{x}{3 x^{2} + 11 x - 1}$$

Sequence: A015594
Score: 26.2126
Type of gen. func.: lgdogf

$$-\frac{11 + 6 x}{3 x^{2} + 11 x - 1}$$

Sequence: A015594
Score: 7.78159
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) + 3 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015596
Score: 10.6348
Type of gen. func.: ogf

$$-4 f(x) x^{2} - 11 f(x) x + f(x) - x$$

Sequence: A015596
Score: 16.5554
Type of gen. func.: revogf

$$\frac{-1 - 11 x + (137 x^{2} + 22 x + 1)^{1/2}}{8 x}$$

Sequence: A015596
Score: 16.7918
Type of gen. func.: ogf

$$-\frac{x}{4 x^{2} + 11 x - 1}$$

Sequence: A015596
Score: 26.2126
Type of gen. func.: lgdogf

$$-\frac{11 + 8 x}{4 x^{2} + 11 x - 1}$$

Sequence: A015596
Score: 7.78159
Type of gen. func.: ogf

$$\{-a(n+2) + 11\, a(n+1) + 4\, a(n),\ a(0) = 0,\ a(1) = 1\}$$

Sequence: A015597
Score: 10.6848
Type of gen. func.: ogf

$$-5 f(x) x^2 - 11 f(x) x + f(x) - x$$

Sequence: A015597
Score: 16.2077
Type of gen. func.: revogf

$$\frac{-1 - 11 x + (141 x^2 + 22 x + 1)^{1/2}}{10 x}$$

Sequence: A015597
Score: 16.8707
Type of gen. func.: ogf

$$-\frac{x}{5 x^2 + 11 x - 1}$$

Sequence: A015597
Score: 25.2840
Type of gen. func.: lgdogf

$$-\frac{11 + 10 x}{5 x^2 + 11 x - 1}$$

Sequence: A015597
Score: 7.81812
Type of gen. func.: ogf

$$\{-a(n+2) + 11\, a(n+1) + 5\, a(n),\ a(0) = 0,\ a(1) = 1\}$$

Sequence: A015598
Score: 10.7347
Type of gen. func.: ogf

$$-6 f(x) x^2 - 11 f(x) x + f(x) - x$$

Sequence: A015598
Score: 16.2845
Type of gen. func.: revogf

$$\frac{-1 - 11 x + (145 x^2 + 22 x + 1)^{1/2}}{12 x}$$

Sequence: A015598
Score: 16.9495
Type of gen. func.: ogf

$$-\frac{x}{6 x^2 + 11 x - 1}$$

Sequence: A015598
Score: 25.4038
Type of gen. func.: lgdogf

$$-\frac{11 + 12 x}{6 x^2 + 11 x - 1}$$

Sequence: A015598
Score: 7.85466
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) + 6 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015601
Score: 10.7846
Type of gen. func.: ogf

$$-7 f(x) x^2 - 11 f(x) x + f(x) - x$$

Sequence: A015601
Score: 16.3613
Type of gen. func.: revogf

$$\frac{-1 - 11 x + (149 x^2 + 22 x + 1)^{1/2}}{14 x}$$

Sequence: A015601
Score: 17.0284
Type of gen. func.: ogf

$$-\frac{x}{7 x^2 + 11 x - 1}$$

Sequence: A015601
Score: 25.5236
Type of gen. func.: lgdogf

$$-\frac{11 + 14 x}{7 x^2 + 11 x - 1}$$

Sequence: A015601
Score: 7.89120
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) + 7 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015602
Score: 10.7846
Type of gen. func.: ogf

$$-8 f(x) x^2 - 11 f(x) x + f(x) - x$$

Sequence: A015602
Score: 16.3613
Type of gen. func.: revogf

$$\frac{-1 - 11 x + (153 x^2 + 22 x + 1)^{1/2}}{16 x}$$

Sequence: A015602
Score: 17.0284
Type of gen. func.: ogf

$$- \frac{x}{8 x^2 + 11 x - 1}$$

Sequence: A015602
Score: 25.5236
Type of gen. func.: lgdogf

$$- \frac{11 + 16 x}{8 x^2 + 11 x - 1}$$

Sequence: A015602
Score: 7.89120
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) + 8 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015603
Score: 10.8346
Type of gen. func.: ogf

$$-9 f(x) x^2 - 11 f(x) x + f(x) - x$$

Sequence: A015603
Score: 16.4381
Type of gen. func.: revogf

$$\frac{-1 - 11 x + (157 x^2 + 22 x + 1)^{1/2}}{18 x}$$

Sequence: A015603
Score: 17.1072
Type of gen. func.: ogf

$$- \frac{x}{9 x^2 + 11 x - 1}$$

Sequence: A015603
Score: 25.6434
Type of gen. func.: lgdogf

$$- \frac{11 + 18 x}{9 x^2 + 11 x - 1}$$

Sequence: A015603
Score: 7.92772
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) + 9 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015606
Score: 10.6569
Type of gen. func.: ogf

$$-10 f(x) x^2 - 11 f(x) x + f(x) - x$$

Sequence: A015606
Score: 16.4381
Type of gen. func.: revogf

$$\frac{-1 - 11 x + (161 x^2 + 22 x + 1)^{1/2}}{20 x}$$

Sequence: A015606
Score: 16.6685
Type of gen. func.: ogf

$$-\frac{x}{10 x^2 + 11 x - 1}$$

Sequence: A015606
Score: 24.6572
Type of gen. func.: lgdogf

$$-\frac{11 + 20 x}{10 x^2 + 11 x - 1}$$

Sequence: A015606
Score: 7.83220
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) + 10 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015609
Score: 12.8955
Type of gen. func.: revogf

$$\frac{-1 - 11 x + (169 x^2 + 22 x + 1)^{1/2}}{24 x}$$

Sequence: A015609
Score: 13.1178
Type of gen. func.: ogf

$$-\frac{x}{(1 + x) (12 x - 1)}$$

Sequence: A015609
Score: 20.1170

Type of gen. func.: lgdogf

$$-\frac{11 + 24 x}{(1 + x) (12 x - 1)}$$

Sequence: A015609
Score: 6.16380
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) + 12 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015609
Score: 8.38682
Type of gen. func.: ogf

$$-12 f(x) x^2 - 11 f(x) x + f(x) - x$$

Sequence: A015610
Score: 11.0343
Type of gen. func.: ogf

$$-5 f(x) x^2 - 12 f(x) x + f(x) - x$$

Sequence: A015610
Score: 16.7454
Type of gen. func.: revogf

$$\frac{-1 - 12 x + (164 x^2 + 24 x + 1)^{1/2}}{10 x}$$

Sequence: A015610
Score: 17.4225
Type of gen. func.: ogf

$$-\frac{x}{5 x^2 + 12 x - 1}$$

Sequence: A015610
Score: 8.07385
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) + 5 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015611
Score: 11.0343
Type of gen. func.: ogf

$$-7 f(x) x^2 - 12 f(x) x + f(x) - x$$

Sequence: A015611
Score: 16.7454
Type of gen. func.: revogf

$$\frac{-1 - 12 x + (172 x^2 + 24 x + 1)^{1/2}}{14 x}$$

Sequence: A015611
Score: 17.4225
Type of gen. func.: ogf

$$- \frac{x}{7 x^2 + 12 x - 1}$$

Sequence: A015611
Score: 8.07385
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) + 7 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015612
Score: 10.9025
Type of gen. func.: ogf

$$2$$

$$-11 f(x) x - 12 f(x) x + f(x) - x$$

Sequence: A015612
Score: 16.8222
Type of gen. func.: revogf

$$\frac{-1 - 12 x + (188 x^2 + 24 x + 1)^{1/2}}{22 x}$$

Sequence: A015612
Score: 17.0526
Type of gen. func.: ogf

$$-\frac{x}{11 x^2 + 12 x - 1}$$

Sequence: A015612
Score: 24.2987
Type of gen. func.: lgdogf

$$-\frac{2 (6 + 11 x)}{11 x^2 + 12 x - 1}$$

Sequence: A015612
Score: 8.01267
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) + 11 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A015735
Score: 6.85331
Type of gen. func.: lgdegf]

$$9 - 3 x + (-12 + 36 x) f(x) + (54 x^2 - 36 x + 6) f(x)^2$$

$$+ (27 x^3 - 27 x^2 + 9 x - 1) f(x)^3$$

Sequence: A015737
Score: 10.5299
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{7}+x^{5}+x^{4}-x^{2}+1}{x^{2}-1}$$

Sequence: A015739
Score: 11.6604
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{9}-x^{7}-x^{5}+x^{3}-1}{-x^{2}+1}$$

Sequence: A015740
Score: 9.98244
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{11}+x^{9}+x^{6}-x^{4}+1}{x^{2}-1}$$

Sequence: A015741
Score: 9.67408
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{13}-x^{11}-x^{7}+x^{5}-1}{-x^{2}+1}$$

Sequence: A015744
Score: 14.7536
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{5}-2x^{3}+x-1}{}$$

$$-x^{2} + 1$$

Sequence: A015745
Score: 12.0177
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{7} + x^{5} + x^{4} - x^{2} + 1}{x^{2} - 1}$$

Sequence: A015746
Score: 12.0177
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{9} - x^{7} - x^{5} + x^{3} - 1}{-x^{2} + 1}$$

Sequence: A015750
Score: 11.9035
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{11} + x^{9} + x^{6} - x^{4} + 1}{x^{2} - 1}$$

Sequence: A015753
Score: 11.7926
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{13} + x^{11} + x^{7} - x^{5} + 1}{x^{2} - 1}$$

Sequence: A015754
Score: 11.9060
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{15} - x^{13} - x^{8} + x^{6} - 1}{-x^{2} + 1}$$

Sequence: A015755
Score: 11.9060
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{17} + x^{15} + x^{9} - x^{7} + 1}{x^{2} - 1}$$

Sequence: A015968
Score: 6.92986
Type of gen. func.: ogf

$$-(113 f(x) x - f(x) - 111 x + 1)^{2}$$

Sequence: A015968
Score: 7.63796
Type of gen. func.: lgdogf

$$\frac{2}{(113 x - 1) (111 x - 1)}$$

Sequence: A016028
Score: 12.1822
Type of gen. func.: ogf

$$-\frac{x^{4} - x + 1}{(x - 1)^{3}}$$

Sequence: A016028
Score: 6.46187
Type of gen. func.: ogf

$$-(f(x) + 8) (f(x) x^3 + x^4 - 3 f(x) x^2 + 3 f(x) x - f(x) - x + 1)$$

Sequence: A016029
Score: 10.3583
Type of gen. func.: ogf

$$-\frac{x^2 - x + 1}{(2 x - 1) (x^2 + 1)}$$

Sequence: A016029
Score: 12.8775
Type of gen. func.: lgdogf

$$-\frac{2 x^4 - 4 x^3 + 5 x^2 + 1}{(2 x - 1) (x^2 + 1) (x^2 - x + 1)}$$

Sequence: A016029
Score: 5.49438
Type of gen. func.: ogf

$$-(7 f(x) - 3) (2 f(x) x^3 - f(x) x^2 + 2 f(x) x + x^2 - f(x) - x + 1)$$

Sequence: A016029
Score: 5.64155
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n + 1) - 2 a(n), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A016036
Score: 7.40412
Type of gen. func.: lgdegf]

$$(-16 n - 28) a(n + 1) + (8 n + 19) a(n + 2) + (-n - 3) a(n + 3), a(0) = 4,$$

$$a(1) = 15, a(2) = 117/2$$

Sequence: A016051
Score: 12.7517
Type of gen. func.: ogf

$$\frac{3 (x^2 + x + 1)}{(1 + x) (x - 1)^2}$$

Sequence: A016051
Score: 19.0474
Type of gen. func.: lgdogf

$$- \frac{x^3 + 3 x^2 + 6 x + 2}{(x - 1) (1 + x) (x^2 + x + 1)}$$

Sequence: A016051
Score: 30.9683
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + x + 2$$

Sequence: A016051
Score: 6.88364
Type of gen. func.: ogf

$$(5 f(x) + 129) (f(x) x^3 - f(x) x^2 - f(x) x - 3 x^2 + f(x) - 3 x - 3)$$

Sequence: A016051
Score: 6.88364
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 3, a(1) = 6, a(2) = 12}

Sequence: A016061
Score: 11.3504
Type of gen. func.: ogf

$$\frac{x\ (x + 3)}{(x - 1)^{4}}$$

Sequence: A016061
Score: 33.0322
Type of gen. func.: lgdogf

$$- \frac{13 + 3\ x}{(x + 3)\ (x - 1)}$$

Sequence: A016061
Score: 4.88593
Type of gen. func.: ogf

$$\{(6 + 3\ n)\ a(n + 3) + (-15 - 2\ n)\ a(n + 2) + (-n - 3)\ a(n + 1),\ a(0) = 0,$$
$$a(1) = 3,\ a(2) = 13\}$$

Sequence: A016061
Score: 5.46501
Type of gen. func.: ogf

$$(177920\ f(x) + 347363)$$
$$(f(x)\ x^{4} - 4\ f(x)\ x^{3} + 6\ f(x)\ x^{2} - 4\ f(x)\ x - x^{2} + f(x) - 3\ x)$$

Sequence: A016064
Score: 12.2846
Type of gen. func.: ogf

$$- \frac{3\ x^{2} - 2\ x + 1}{(x - 1)\ (x^{2} - 4\ x + 1)}$$

Sequence: A016064
Score: 12.6954
Type of gen. func.: lgdogf

$${}^{4} \qquad {}^{3} \qquad {}^{2}$$

$$-\frac{3 x - 4 x - 2 x - 4 x + 3}{(x - 1) (x^2 - 4 x + 1) (3 x^2 - 2 x + 1)}$$

Sequence: A016064
Score: 6.63153
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 5 a(n + 1) - a(n), a(0) = 1, a(1) = 3, a(2) = 13\}$$

Sequence: A016064
Score: 7.23907
Type of gen. func.: ogf

$$(15 f(x) - 7) (f(x) x^3 - 5 f(x) x^2 + 5 f(x) x + 3 x^2 - f(x) - 2 x + 1)$$

Sequence: A016065
Score: 3.00894
Type of gen. func.: ogf

$$\{(n^2 + 7 n + 12) a(n + 1) + (-n^2 - 7 n - 13) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 3, a(2) = 15\}$$

Sequence: A016073
Score: 5.61848
Type of gen. func.: ogf_with_Euler_transform]

$$[4 - x]$$

Sequence: A016075
Score: 12.1331
Type of gen. func.: ogf

$$\frac{1}{(9 x - 1) (10 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A016075

Score: 4.29098
Type of gen. func.: ogf

$$(16176899528412421769 f(x) + 14886496664443008000)$$

$$(7920 f(x) x^4 - 3382 f(x) x^3 + 539 f(x) x^2 - 38 f(x) x + f(x) - 1)$$

Sequence: A016075
Score: 7.01302
Type of gen. func.: lgdogf

$$- \frac{2 (15840 x^3 - 5073 x^2 + 539 x - 19)}{(9 x - 1) (10 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A016084
Score: 8.96021
Type of gen. func.: ogf

$$\frac{2 x^4 + 6 x^3 - 4 x^2 + 5}{(x^2 - x + 1) (1 + x) (x - 1)^2}$$

Sequence: A016084
Score: 9.08639
Type of gen. func.: lgdogf

$$- \frac{2 x^7 + 14 x^6 - 12 x^5 + 27 x^3 + 3 x^2 - 8 x + 10}{(x - 1) (1 + x) (x^2 - x + 1) (2 x^4 + 6 x^3 - 4 x^2 + 5)}$$

Sequence: A016091
Score: 3.22861
Type of gen. func.: ogf

$$(14287135616611 f(x) + 12638068416000)$$

$$(8640 f(x) x^4 - 3624 f(x) x^3 + 566 f(x) x^2 - 39 f(x) x + f(x) - 1)$$

Sequence: A016091
Score: 7.05380
Type of gen. func.: lgdogf

$$-\frac{34560 x^3 - 10872 x^2 + 1132 x - 39}{(12 x - 1) (9 x - 1) (8 x - 1) (10 x - 1)}$$

Sequence: A016091
Score: 8.46117
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (9 x - 1) (8 x - 1) (10 x - 1)}$$

Sequence: A016092
Score: 3.24069
Type of gen. func.: ogf

$$(623824822903277 f(x) + 537511574274048)$$

$$(9504 f(x) x^4 - 3900 f(x) x^3 + 595 f(x) x^2 - 40 f(x) x + f(x) - 1)$$

Sequence: A016092
Score: 7.17612
Type of gen. func.: lgdogf

$$-\frac{2 (19008 x^3 - 5850 x^2 + 595 x - 20)}{(11 x - 1) (8 x - 1) (12 x - 1) (9 x - 1)}$$

Sequence: A016092
Score: 8.60459
Type of gen. func.: ogf

$$\frac{1}{(11 x - 1) (8 x - 1) (12 x - 1) (9 x - 1)}$$

Sequence: A016093
Score: 3.17365
Type of gen. func.: ogf

$$(92011229256712523 f(x) + 79552831862592000)$$

$$(10560 f(x) x^4 - 4216 f(x) x^3 + 626 f(x) x^2 - 41 f(x) x + f(x) - 1)$$

Sequence: A016093
Score: 7.15248
Type of gen. func.: lgdogf

$$- \frac{42240 x^3 - 12648 x^2 + 1252 x - 41}{(12 x - 1) (10 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A016093
Score: 8.55273
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (10 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A016094
Score: 3.13423
Type of gen. func.: ogf

$$(165359700956169001 f(x) + 154524778360128000)$$

$$(11880 f(x) x^4 - 4578 f(x) x^3 + 659 f(x) x^2 - 42 f(x) x + f(x) - 1)$$

Sequence: A016094
Score: 7.15248
Type of gen. func.: lgdogf

$$- \frac{2 (23760 x^3 - 6867 x^2 + 659 x - 21)}{(9 x - 1) (12 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A016094
Score: 8.55273
Type of gen. func.: ogf

$$\frac{1}{(9 x - 1) (12 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A016103
Score: 12.0454
Type of gen. func.: lgdogf

$$- \frac{360 x^2 - 148 x + 15}{(6 x - 1) (-1 + 4 x) (5 x - 1)}$$

Sequence: A016103
Score: 13.2141
Type of gen. func.: ogf

$$- \frac{1}{(6 x - 1) (-1 + 4 x) (5 x - 1)}$$

Sequence: A016103
Score: 4.55275
Type of gen. func.: ogf

$\{a(n + 3) - 15 a(n + 2) + 74 a(n + 1) - 120 a(n), a(0) = 1, a(1) = 15,$

$a(2) = 151\}$

Sequence: A016103
Score: 4.7111
Type of gen. func.: ogf

$$(6418657 f(x) - 5772600) (120 f(x) x^3 - 74 f(x) x^2 + 15 f(x) x - f(x) + 1)$$

Sequence: A016109
Score: 2.89239
Type of gen. func.: ogf

$$(1732958784897775919 f(x) + 1561112281943424000)$$

$$(5040 f(x) x^4 - 2414 f(x) x^3 + 431 f(x) x^2 - 34 f(x) x + f(x) - 1)$$

Sequence: A016109
Score: 6.93148
Type of gen. func.: lgdogf

$$-\frac{2\,(10080\,x^{3} - 3621\,x^{2} + 431\,x - 17)}{(9\,x - 1)\,(8\,x - 1)\,(7\,x - 1)\,(10\,x - 1)}$$

Sequence: A016109
Score: 8.07876
Type of gen. func.: ogf

$$\frac{1}{(9\,x - 1)\,(8\,x - 1)\,(7\,x - 1)\,(10\,x - 1)}$$

Sequence: A016111
Score: 5.20547
Type of gen. func.: lgdogf

$$-\frac{1801800\,x^{4} - 561096\,x^{3} + 65325\,x^{2} - 3370\,x + 65}{(13\,x - 1)\,(15\,x - 1)\,(12\,x - 1)\,(14\,x - 1)\,(11\,x - 1)}$$

Sequence: A016111
Score: 6.75106
Type of gen. func.: ogf

$$-\frac{1}{(13\,x - 1)\,(15\,x - 1)\,(12\,x - 1)\,(14\,x - 1)\,(11\,x - 1)}$$

Sequence: A016116
Score: 11.3959
Type of gen. func.: ogf

$$(6\,f(x) - 5)\,(2\,f(x)\,x^{2} - f(x) + x + 1)$$

Sequence: A016116
Score: 11.9301

Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A016116
Score: 17.4065
Type of gen. func.: revegf]

$$1/2\ 2^{1/2} (-\ln(1 + 2^{1/2}) + \operatorname{arcsinh}(1 + 2 x))$$

Sequence: A016116
Score: 18.6225
Type of gen. func.: ogf

$$-\frac{1 + x}{2 x^2 - 1}$$

Sequence: A016116
Score: 24.9493
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 4 x + 1}{(1 + x) (2 x^2 - 1)}$$

Sequence: A016123
Score: 13.5847
Type of gen. func.: revogf

$$-\frac{-1 - 12 x + (100 x^2 + 24 x + 1)^{1/2}}{22 x}$$

Sequence: A016123
Score: 15.8557
Type of gen. func.: ogf

$$\frac{1}{}$$

$$(11 x - 1) (x - 1)$$

Sequence: A016123
Score: 20.1255
Type of gen. func.: lgdogf

$$- \frac{2 (-6 + 11 x)}{(11 x - 1) (x - 1)}$$

Sequence: A016123
Score: 6.52884
Type of gen. func.: ogf

$$(61 f(x) + 11) (11 f(x) x^{2} - 12 f(x) x + f(x) - 1)$$

Sequence: A016123
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 11 a(n), a(0) = 1, a(1) = 12\}$$

Sequence: A016125
Score: 12.2536
Type of gen. func.: revogf

$$- \frac{-1 - 13 x + (121 x^{2} + 26 x + 1)^{1/2}}{24 x}$$

Sequence: A016125
Score: 14.3279
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (x - 1)}$$

Sequence: A016125
Score: 18.8517

Type of gen. func.: lgdogf

$$-\frac{-13 + 24 x}{(12 x - 1) (x - 1)}$$

Sequence: A016125
Score: 5.83115
Type of gen. func.: ogf

$$(145 f(x) + 24) (12 f(x) x^2 - 13 f(x) x + f(x) - 1)$$

Sequence: A016125
Score: 5.89974
Type of gen. func.: ogf

$$\{-a(n + 2) + 13 a(n + 1) - 12 a(n), a(0) = 1, a(1) = 13\}$$

Sequence: A016127
Score: 13.5213
Type of gen. func.: revogf

$$-\frac{-1 - 7 x + (9 x^2 + 14 x + 1)^{1/2}}{20 x}$$

Sequence: A016127
Score: 15.0668
Type of gen. func.: ogf

$$\frac{1}{(5 x - 1) (2 x - 1)}$$

Sequence: A016127
Score: 18.5291
Type of gen. func.: lgdogf

$$-\frac{-7 + 20 x}{(5 x - 1) (2 x - 1)}$$

Sequence: A016127
Score: 6.09846
Type of gen. func.: ogf

$$(29 f(x) + 20) (10 f(x) x^2 - 7 f(x) x + f(x) - 1)$$

Sequence: A016127
Score: 6.17193
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A016129
Score: 14.1903
Type of gen. func.: revogf

$$-\frac{-1 - 8 x + (16 x^2 + 16 x + 1)^{1/2}}{24 x}$$

Sequence: A016129
Score: 16.2122
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (2 x - 1)}$$

Sequence: A016129
Score: 19.9715
Type of gen. func.: lgdogf

$$-\frac{8 (-1 + 3 x)}{(6 x - 1) (2 x - 1)}$$

Sequence: A016129
Score: 6.40947
Type of gen. func.: ogf

$$(121 f(x) + 135) (12 f(x) x^2 - 8 f(x) x + f(x) - 1)$$

Sequence: A016129
Score: 6.64113
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 12 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A016130
Score: 13.4824
Type of gen. func.: revogf

$$- \frac{-1 - 9 x + (25 x^2 + 18 x + 1)^{1/2}}{28 x}$$

Sequence: A016130
Score: 15.4150
Type of gen. func.: ogf

$$\frac{1}{(7 x - 1) (2 x - 1)}$$

Sequence: A016130
Score: 19.7051
Type of gen. func.: lgdogf

$$- \frac{-9 + 28 x}{(7 x - 1) (2 x - 1)}$$

Sequence: A016130
Score: 6.23941
Type of gen. func.: ogf

$$(53 f(x) + 28) (14 f(x) x^2 - 9 f(x) x + f(x) - 1)$$

Sequence: A016130

Score: 6.31458
Type of gen. func.: ogf

$$\{-a(n + 2) + 9 a(n + 1) - 14 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A016131
Score: 13.2203
Type of gen. func.: revogf

$$-\frac{-1 - 10 x + (1 + 2 x)^{1/2} (1 + 18 x)^{1/2}}{32 x}$$

Sequence: A016131
Score: 17.7176
Type of gen. func.: ogf

$$\frac{1}{(8 x - 1) (2 x - 1)}$$

Sequence: A016131
Score: 20.9701
Type of gen. func.: lgdogf

$$-\frac{2 (-5 + 16 x)}{(8 x - 1) (2 x - 1)}$$

Sequence: A016131
Score: 7.12778
Type of gen. func.: ogf

$$(341 f(x) + 284) (16 f(x) x^2 - 10 f(x) x + f(x) - 1)$$

Sequence: A016131
Score: 7.29548
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 16 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A016133
Score: 14.4957
Type of gen. func.: revogf

$$-\frac{-1 - 11 x + (49 x^2 + 22 x + 1)^{1/2}}{36 x}$$

Sequence: A016133
Score: 16.4889
Type of gen. func.: ogf

$$\frac{1}{(9 x - 1) (2 x - 1)}$$

Sequence: A016133
Score: 20.9382
Type of gen. func.: lgdogf

$$-\frac{-11 + 36 x}{(9 x - 1) (2 x - 1)}$$

Sequence: A016133
Score: 6.78953
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 18 a(n), a(0) = 1, a(1) = 11\}$$

Sequence: A016133
Score: 8.48884
Type of gen. func.: ogf

$$(85 f(x) + 36) (18 f(x) x^2 - 11 f(x) x + f(x) - 1)$$

Sequence: A016134
Score: 13.9331
Type of gen. func.: revogf

$$2 \qquad 1/2$$

```
                        -1 - 12 x + (64 x  + 24 x + 1)
                      - ---------------------------------
                                      40 x



------------------------------------------------------------------------------

Sequence:  A016134
Score: 15.8557
Type of gen. func.: ogf


                                       1
                              --------------------
                              (10 x - 1) (2 x - 1)



------------------------------------------------------------------------------

Sequence:  A016134
Score: 18.1130
Type of gen. func.: lgdogf


                                  4 (-3 + 10 x)
                             - --------------------
                               (10 x - 1) (2 x - 1)



------------------------------------------------------------------------------

Sequence:  A016134
Score: 6.37875
Type of gen. func.: ogf


                                         2
              (781 f(x) + 515) (20 f(x) x  - 12 f(x) x + f(x) - 1)



------------------------------------------------------------------------------

Sequence:  A016134
Score: 6.52884
Type of gen. func.: ogf


            {-a(n + 2) + 12 a(n + 1) - 20 a(n), a(0) = 1, a(1) = 12}



------------------------------------------------------------------------------

Sequence:  A016135
Score: 13.9331
Type of gen. func.: revogf


                                         2            1/2
                        -1 - 13 x + (81 x  + 26 x + 1)
                      - ---------------------------------
                                      44 x



------------------------------------------------------------------------------
```

Sequence: A016135
Score: 15.8557
Type of gen. func.: ogf

$$\frac{1}{(11 x - 1) (2 x - 1)}$$

Sequence: A016135
Score: 18.7376
Type of gen. func.: lgdogf

$$-\frac{-13 + 44 x}{(11 x - 1) (2 x - 1)}$$

Sequence: A016135
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 13 a(n + 1) - 22 a(n), a(0) = 1, a(1) = 13\}$$

Sequence: A016135
Score: 8.11634
Type of gen. func.: ogf

$$(125 f(x) + 44) (22 f(x) x^2 - 13 f(x) x + f(x) - 1)$$

Sequence: A016136
Score: 12.3245
Type of gen. func.: revogf

$$-\frac{-1 - 14 x + (100 x^2 + 28 x + 1)^{1/2}}{48 x}$$

Sequence: A016136
Score: 14.4089
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (2 x - 1)}$$

Sequence: A016136
Score: 16.9993
Type of gen. func.: lgdogf

$$-\frac{2(-7+24x)}{(12x-1)(2x-1)}$$

Sequence: A016136
Score: 5.93307
Type of gen. func.: ogf

$$\{-a(n+2)+14\,a(n+1)-24\,a(n),\ a(0)=1,\ a(1)=14\}$$

Sequence: A016136
Score: 5.93308
Type of gen. func.: ogf

$$(37\,f(x)+12)\,(24\,f(x)\,x^2-14\,f(x)\,x+f(x)-1)$$

Sequence: A016137
Score: 14.7358
Type of gen. func.: revogf

$$-\frac{-1-9x+(9x^2+18x+1)^{1/2}}{36x}$$

Sequence: A016137
Score: 16.3884
Type of gen. func.: ogf

$$\frac{1}{(6x-1)(-1+3x)}$$

Sequence: A016137
Score: 20.1934
Type of gen. func.: lgdogf

$$-\frac{9(-1+4x)}{(6x-1)(-1+3x)}$$

Sequence: A016137
Score: 6.63341
Type of gen. func.: ogf

$$(31 f(x) + 50) (18 f(x) x^2 - 9 f(x) x + f(x) - 1)$$

Sequence: A016137
Score: 6.71333
Type of gen. func.: ogf

$$\{-a(n + 2) + 9 a(n + 1) - 18 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A016138
Score: 13.3632
Type of gen. func.: revogf

$$-\frac{-1 - 10 x + (16 x^2 + 20 x + 1)^{1/2}}{42 x}$$

Sequence: A016138
Score: 15.2270
Type of gen. func.: ogf

$$\frac{1}{(7x-1)(-1+3x)}$$

Sequence: A016138
Score: 6.26992
Type of gen. func.: ogf

$$(29 f(x) + 21) (21 f(x) x^2 - 10 f(x) x + f(x) - 1)$$

Sequence: A016138
Score: 6.26993
Type of gen. func.: ogf

$$\{-a(n+2) + 10\, a(n+1) - 21\, a(n),\ a(0) = 1,\ a(1) = 10\}$$

Sequence: A016140
Score: 13.9672
Type of gen. func.: revogf

$$-\frac{-1 - 11 x + (25 x^2 + 22 x + 1)^{1/2}}{48 x}$$

Sequence: A016140
Score: 15.9000
Type of gen. func.: ogf

$$\frac{1}{(8 x - 1) (-1 + 3 x)}$$

Sequence: A016140
Score: 6.54705
Type of gen. func.: ogf

$$(73 f(x) + 48) (24 f(x) x^2 - 11 f(x) x + f(x) - 1)$$

Sequence: A016140
Score: 6.54705
Type of gen. func.: ogf

$$\{-a(n+2) + 11\, a(n+1) - 24\, a(n),\ a(0) = 1,\ a(1) = 11\}$$

Sequence: A016142
Score: 14.5712
Type of gen. func.: revogf

$$-\frac{-1 - 12 x + (36 x^2 + 24 x + 1)^{1/2}}{54 x}$$

Sequence: A016142
Score: 16.5730
Type of gen. func.: ogf

$$\frac{1}{(9 x - 1) (-1 + 3 x)}$$

Sequence: A016142
Score: 21.0473
Type of gen. func.: lgdogf

$$- \frac{6 (-2 + 9 x)}{(9 x - 1) (-1 + 3 x)}$$

Sequence: A016142
Score: 6.82418
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 27 a(n), a(0) = 1, a(1) = 12\}$$

Sequence: A016142
Score: 6.98861
Type of gen. func.: ogf

$$(5 f(x) + 3) (27 f(x) x^2 - 12 f(x) x + f(x) - 1)$$

Sequence: A016145
Score: 13.9331
Type of gen. func.: revogf

$$- \frac{-1 - 13 x + (49 x^2 + 26 x + 1)^{1/2}}{60 x}$$

Sequence: A016145
Score: 15.8557
Type of gen. func.: ogf

$$\frac{1}{(10 x - 1) (-1 + 3 x)}$$

Sequence: A016145
Score: 19.4068
Type of gen. func.: lgdogf

$$- \frac{-13 + 60 x}{(10 x - 1) (-1 + 3 x)}$$

Sequence: A016145
Score: 6.45292
Type of gen. func.: ogf

$$(109 f(x) + 60) (30 f(x) x^2 - 13 f(x) x + f(x) - 1)$$

Sequence: A016145
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 13 a(n + 1) - 30 a(n), a(0) = 1, a(1) = 13\}$$

Sequence: A016146
Score: 13.9331
Type of gen. func.: revogf

$$- \frac{-1 - 14 x + (64 x^2 + 28 x + 1)^{1/2}}{66 x}$$

Sequence: A016146
Score: 15.8557
Type of gen. func.: ogf

$$\frac{1}{(11 x - 1) (-1 + 3 x)}$$

Sequence: A016146
Score: 18.7376
Type of gen. func.: lgdogf

$$-\frac{2\,(-7 + 33\,x)}{(11\,x - 1)\,(-1 + 3\,x)}$$

Sequence: A016146
Score: 6.52884
Type of gen. func.: ogf

$$(65\,f(x) + 33)\,(33\,f(x)\,x^2 - 14\,f(x)\,x + f(x) - 1)$$

Sequence: A016146
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 14\,a(n + 1) - 33\,a(n),\ a(0) = 1,\ a(1) = 14\}$$

Sequence: A016147
Score: 10.7169
Type of gen. func.: revogf

$$-\frac{-1 - 15\,x + (27\,x + 1)^{1/2}\,(3\,x + 1)^{1/2}}{72\,x}$$

Sequence: A016147
Score: 14.4089
Type of gen. func.: ogf

$$\frac{1}{(12\,x - 1)\,(-1 + 3\,x)}$$

Sequence: A016147
Score: 16.9993
Type of gen. func.: lgdogf

$$3\,(-5 + 24\,x)$$

$$- \frac{}{(12 x - 1) (-1 + 3 x)}$$

Sequence: A016147
Score: 5.93307
Type of gen. func.: ogf

$$\{-a(n + 2) + 15 a(n + 1) - 36 a(n), a(0) = 1, a(1) = 15\}$$

Sequence: A016147
Score: 8.5949
Type of gen. func.: ogf

$$(17 f(x) + 8) (36 f(x) x^2 - 15 f(x) x + f(x) - 1)$$

Sequence: A016149
Score: 13.0950
Type of gen. func.: revogf

$$- \frac{-1 - 10 x + (4 x^2 + 20 x + 1)^{1/2}}{48 x}$$

Sequence: A016149
Score: 14.5539
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (-1 + 4 x)}$$

Sequence: A016149
Score: 17.7718
Type of gen. func.: lgdogf

$$- \frac{2 (-5 + 24 x)}{(6 x - 1) (-1 + 4 x)}$$

Sequence: A016149

Score: 5.9928
Type of gen. func.: ogf

$$(13 f(x) + 12) (24 f(x) x^2 - 10 f(x) x + f(x) - 1)$$

Sequence: A016149
Score: 5.99280
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 24 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A016150
Score: 13.7924
Type of gen. func.: revogf

$$- \frac{-1 - 11 x + (9 x^2 + 22 x + 1)^{1/2}}{56 x}$$

Sequence: A016150
Score: 15.3111
Type of gen. func.: ogf

$$\frac{1}{(7 x - 1) (-1 + 4 x)}$$

Sequence: A016150
Score: 19.4115
Type of gen. func.: lgdogf

$$- \frac{-11 + 56 x}{(7 x - 1) (-1 + 4 x)}$$

Sequence: A016150
Score: 6.30456
Type of gen. func.: ogf

$$(65 f(x) + 56) (28 f(x) x^2 - 11 f(x) x + f(x) - 1)$$

Sequence: A016150
Score: 6.30456
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 28 a(n), a(0) = 1, a(1) = 11\}$$

Sequence: A016152
Score: 14.5178
Type of gen. func.: revogf

$$-\frac{-1 - 12 x + (16 x^{2} + 24 x + 1)^{1/2}}{64 x}$$

Sequence: A016152
Score: 16.4337
Type of gen. func.: ogf

$$\frac{x}{(8 x - 1) (-1 + 4 x)}$$

Sequence: A016152
Score: 19.5239
Type of gen. func.: lgdogf

$$-\frac{4 (-3 + 16 x)}{(8 x - 1) (-1 + 4 x)}$$

Sequence: A016152
Score: 6.92988
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 32 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A016152
Score: 9.42919
Type of gen. func.: ogf

2

```
                  -32 f(x) x  + 12 f(x) x - f(x) + x
```

Sequence: A016153
Score: 13.4127
Type of gen. func.: revogf

```
                                      1/2           1/2
                  -1 - 13 x + (1 + x)    (1 + 25 x)
                - ----------------------------------
                                 72 x
```

Sequence: A016153
Score: 17.1185
Type of gen. func.: ogf

```
                                x
                       --------------------
                       (9 x - 1) (-1 + 4 x)
```

Sequence: A016153
Score: 21.8577
Type of gen. func.: lgdogf

```
                             -13 + 72 x
                      - --------------------
                        (9 x - 1) (-1 + 4 x)
```

Sequence: A016153
Score: 7.21863
Type of gen. func.: ogf

```
             {a(n + 2) - 13 a(n + 1) + 36 a(n), a(0) = 0, a(1) = 1}
```

Sequence: A016153
Score: 9.82207
Type of gen. func.: ogf

```
                                 2
                  -36 f(x) x  + 13 f(x) x - f(x) + x
```

Sequence: A016157
Score: 13.9331

Type of gen. func.: revogf

$$-\frac{-1 - 14 x + (36 x^2 + 28 x + 1)^{1/2}}{80 x}$$

Sequence: A016157
Score: 15.8557
Type of gen. func.: ogf

$$\frac{1}{(10 x - 1) (-1 + 4 x)}$$

Sequence: A016157
Score: 18.1130
Type of gen. func.: lgdogf

$$-\frac{2 (-7 + 40 x)}{(10 x - 1) (-1 + 4 x)}$$

Sequence: A016157
Score: 6.52884
Type of gen. func.: ogf

$$(29 f(x) + 20) (40 f(x) x^2 - 14 f(x) x + f(x) - 1)$$

Sequence: A016157
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 14 a(n + 1) - 40 a(n), a(0) = 1, a(1) = 14\}$$

Sequence: A016158
Score: 13.9331
Type of gen. func.: revogf

$$-\frac{-1 - 15 x + (49 x^2 + 30 x + 1)^{1/2}}{88 x}$$

Sequence: A016158
Score: 15.8557
Type of gen. func.: ogf

$$\frac{1}{(11 x - 1) (-1 + 4 x)}$$

Sequence: A016158
Score: 18.7376
Type of gen. func.: lgdogf

$$- \frac{-15 + 88 x}{(11 x - 1) (-1 + 4 x)}$$

Sequence: A016158
Score: 6.45292
Type of gen. func.: ogf

$$(137 f(x) + 88) (44 f(x) x^2 - 15 f(x) x + f(x) - 1)$$

Sequence: A016158
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 15 a(n + 1) - 44 a(n), a(0) = 1, a(1) = 15\}$$

Sequence: A016159
Score: 12.7131
Type of gen. func.: revogf

$$- \frac{-1 - 16 x + (64 x^2 + 32 x + 1)^{1/2}}{96 x}$$

Sequence: A016159
Score: 14.4899
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (-1 + 4 x)}$$

Sequence: A016159
Score: 17.7076
Type of gen. func.: lgdogf

$$- \frac{16 (6 x - 1)}{(12 x - 1) (-1 + 4 x)}$$

Sequence: A016159
Score: 5.82925
Type of gen. func.: ogf

$$(121 f(x) + 135) (48 f(x) x^2 - 16 f(x) x + f(x) - 1)$$

Sequence: A016159
Score: 5.96641
Type of gen. func.: ogf

$$\{-a(n + 2) + 16 a(n + 1) - 48 a(n), a(0) = 1, a(1) = 16\}$$

Sequence: A016160
Score: 2.31928
Type of gen. func.: ogf

$$-30 f(x) x^2 + 11 f(x) x - f(x) + x$$

Sequence: A016160
Score: 4.04217
Type of gen. func.: ogf

$$\frac{x}{(6 x - 1) (5 x - 1)}$$

Sequence: A016161

Score: 14.0248
Type of gen. func.: revogf

$$-\frac{-1 - 12 x + (4 x^2 + 24 x + 1)^{1/2}}{70 x}$$

Sequence: A016161
Score: 15.5635
Type of gen. func.: ogf

$$\frac{1}{(7 x - 1) (5 x - 1)}$$

Sequence: A016161
Score: 19.0337
Type of gen. func.: lgdogf

$$-\frac{2 (-6 + 35 x)}{(7 x - 1) (5 x - 1)}$$

Sequence: A016161
Score: 6.40848
Type of gen. func.: ogf

$$(37 f(x) + 35) (35 f(x) x^2 - 12 f(x) x + f(x) - 1)$$

Sequence: A016161
Score: 6.40848
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 35 a(n), a(0) = 1, a(1) = 12\}$$

Sequence: A016162
Score: 14.6447
Type of gen. func.: revogf

$$-\frac{-1 - 13 x + (9 x^2 + 26 x + 1)^{1/2}}{80 x}$$

Sequence: A016162
Score: 16.2365
Type of gen. func.: ogf

$$\frac{1}{(8 x - 1) (5 x - 1)}$$

Sequence: A016162
Score: 20.6111
Type of gen. func.: lgdogf

$$- \frac{-13 + 80 x}{(8 x - 1) (5 x - 1)}$$

Sequence: A016162
Score: 6.68561
Type of gen. func.: ogf

$$(89 f(x) + 80) (40 f(x) x^2 - 13 f(x) x + f(x) - 1)$$

Sequence: A016162
Score: 6.68561
Type of gen. func.: ogf

$$\{-a(n + 2) + 13 a(n + 1) - 40 a(n), a(0) = 1, a(1) = 13\}$$

Sequence: A016163
Score: 14.8732
Type of gen. func.: revogf

$$- \frac{-1 - 14 x + (16 x^2 + 28 x + 1)^{1/2}}{90 x}$$

Sequence: A016163
Score: 16.9095
Type of gen. func.: ogf

$$\frac{1}{(9 x - 1) (5 x - 1)}$$

Sequence: A016163
Score: 20.7162
Type of gen. func.: lgdogf

$$- \frac{2 (-7 + 45 x)}{(9 x - 1) (5 x - 1)}$$

Sequence: A016163
Score: 6.96273
Type of gen. func.: ogf

$$(53 f(x) + 45) (45 f(x) x^2 - 14 f(x) x + f(x) - 1)$$

Sequence: A016163
Score: 6.96273
Type of gen. func.: ogf

$$\{-a(n + 2) + 14 a(n + 1) - 45 a(n), a(0) = 1, a(1) = 14\}$$

Sequence: A016164
Score: 13.5847
Type of gen. func.: revogf

$$- \frac{-1 - 15 x + (25 x^2 + 30 x + 1)^{1/2}}{100 x}$$

Sequence: A016164
Score: 15.8557
Type of gen. func.: ogf

$$\frac{1}{(10 x - 1) (5 x - 1)}$$

Sequence: A016164
Score: 18.7376
Type of gen. func.: lgdogf

$$-\frac{5 (-3 + 20 x)}{(10 x - 1) (5 x - 1)}$$

Sequence: A016164
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 15 a(n + 1) - 50 a(n), a(0) = 1, a(1) = 15\}$$

Sequence: A016164
Score: 6.68616
Type of gen. func.: ogf

$$(5 f(x) + 4) (50 f(x) x^2 - 15 f(x) x + f(x) - 1)$$

Sequence: A016165
Score: 13.5847
Type of gen. func.: revogf

$$-\frac{-1 - 16 x + (36 x^2 + 32 x + 1)^{1/2}}{110 x}$$

Sequence: A016165
Score: 15.8557
Type of gen. func.: ogf

$$\frac{1}{(11 x - 1) (5 x - 1)}$$

Sequence: A016165
Score: 18.7376
Type of gen. func.: lgdogf

$$2 (-8 + 55 x)$$

$$-\frac{}{(11 x - 1) (5 x - 1)}$$

Sequence: A016165
Score: 6.52884
Type of gen. func.: ogf

$$(73 f(x) + 55) (55 f(x) x^2 - 16 f(x) x + f(x) - 1)$$

Sequence: A016165
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 16 a(n + 1) - 55 a(n), a(0) = 1, a(1) = 16\}$$

Sequence: A016166
Score: 12.4661
Type of gen. func.: revogf

$$-\frac{-1 - 17 x + (49 x^2 + 34 x + 1)^{1/2}}{120 x}$$

Sequence: A016166
Score: 17.1947
Type of gen. func.: lgdogf

$$-\frac{-17 + 120 x}{(12 x - 1) (5 x - 1)}$$

Sequence: A016166
Score: 20.7989
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (5 x - 1)}$$

Sequence: A016166

Score: 8.36739
Type of gen. func.: ogf

$$(169 f(x) + 120) (60 f(x) x^2 - 17 f(x) x + f(x) - 1)$$

Sequence: A016166
Score: 8.56426
Type of gen. func.: ogf

$$\{-a(n + 2) + 17 a(n + 1) - 60 a(n), a(0) = 1, a(1) = 17\}$$

Sequence: A016169
Score: 15.6444
Type of gen. func.: revogf

$$- \frac{-1 - 13 x + (x^2 + 26 x + 1)^{1/2}}{84 x}$$

Sequence: A016169
Score: 16.3481
Type of gen. func.: ogf

$$\frac{x}{(7 x - 1) (6 x - 1)}$$

Sequence: A016169
Score: 20.8592
Type of gen. func.: lgdogf

$$- \frac{-13 + 84 x}{(7 x - 1) (6 x - 1)}$$

Sequence: A016169
Score: 6.89378
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1) + 42 a(n), a(0) = 0, a(1) = 1\}$$

```
------------------------------------------------------------------------------

Sequence:  A016169
Score: 9.38008
Type of gen. func.: ogf


                                    2
                          -42 f(x) x  + 13 f(x) x - f(x) + x



------------------------------------------------------------------------------

Sequence:  A016170
Score: 14.9547
Type of gen. func.: revogf


                                            2            1/2
                            -1 - 14 x + (4 x  + 28 x + 1)
                          - --------------------------------
                                          96 x



------------------------------------------------------------------------------

Sequence:  A016170
Score: 16.5730
Type of gen. func.: ogf


                                          1
                                 -------------------
                                 (8 x - 1) (6 x - 1)



------------------------------------------------------------------------------

Sequence:  A016170
Score: 19.5958
Type of gen. func.: lgdogf


                                     2 (-7 + 48 x)
                                - -------------------
                                  (8 x - 1) (6 x - 1)



------------------------------------------------------------------------------

Sequence:  A016170
Score: 6.59153
Type of gen. func.: ogf


                                            2
             (781 f(x) + 1620) (48 f(x) x  - 14 f(x) x + f(x) - 1)



------------------------------------------------------------------------------

Sequence:  A016170
Score: 6.82418
Type of gen. func.: ogf
```

$$\{-a(n + 2) + 14 a(n + 1) - 48 a(n), a(0) = 1, a(1) = 14\}$$

Sequence: A016172
Score: 13.4143
Type of gen. func.: revogf

$$-\frac{-1 - 15 x + (9 x^2 + 30 x + 1)^{1/2}}{108 x}$$

Sequence: A016172
Score: 15.2777
Type of gen. func.: ogf

$$\frac{1}{(9 x - 1) (6 x - 1)}$$

Sequence: A016172
Score: 18.6842
Type of gen. func.: lgdogf

$$-\frac{3 (-5 + 36 x)}{(9 x - 1) (6 x - 1)}$$

Sequence: A016172
Score: 6.29080
Type of gen. func.: ogf

$$\{-a(n + 2) + 15 a(n + 1) - 54 a(n), a(0) = 1, a(1) = 15\}$$

Sequence: A016172
Score: 6.29081
Type of gen. func.: ogf

$$(13 f(x) + 12) (54 f(x) x^2 - 15 f(x) x + f(x) - 1)$$

Sequence: A016173
Score: 13.5847

Type of gen. func.: revogf

$$-\frac{-1 - 16 x + (16 x^2 + 32 x + 1)^{1/2}}{120 x}$$

Sequence: A016173
Score: 15.8557
Type of gen. func.: ogf

$$\frac{1}{(10 x - 1) (6 x - 1)}$$

Sequence: A016173
Score: 18.7376
Type of gen. func.: lgdogf

$$-\frac{8 (-2 + 15 x)}{(10 x - 1) (6 x - 1)}$$

Sequence: A016173
Score: 6.52884
Type of gen. func.: ogf

$$(17 f(x) + 15) (60 f(x) x^2 - 16 f(x) x + f(x) - 1)$$

Sequence: A016173
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 16 a(n + 1) - 60 a(n), a(0) = 1, a(1) = 16\}$$

Sequence: A016174
Score: 13.7293
Type of gen. func.: revogf

$$-\frac{-1 - 17 x + (25 x^2 + 34 x + 1)^{1/2}}{132 x}$$

Sequence: A016174
Score: 16.0209
Type of gen. func.: ogf

$$\frac{1}{(11 x - 1) (6 x - 1)}$$

Sequence: A016174
Score: 18.9369
Type of gen. func.: lgdogf

$$-\frac{-17 + 132 x}{(11 x - 1) (6 x - 1)}$$

Sequence: A016174
Score: 6.4452
Type of gen. func.: ogf

$$(157 f(x) + 132) (66 f(x) x^2 - 17 f(x) x + f(x) - 1)$$

Sequence: A016174
Score: 6.59685
Type of gen. func.: ogf

$$\{-a(n + 2) + 17 a(n + 1) - 66 a(n), a(0) = 1, a(1) = 17\}$$

Sequence: A016175
Score: 12.5370
Type of gen. func.: revogf

$$-\frac{-1 - 18 x + (36 x^2 + 36 x + 1)^{1/2}}{144 x}$$

Sequence: A016175
Score: 14.6517
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (6 x - 1)}$$

Sequence: A016175
Score: 6.03307
Type of gen. func.: ogf

$$\{-a(n + 2) + 18 a(n + 1) - 72 a(n), a(0) = 1, a(1) = 18\}$$

Sequence: A016175
Score: 6.03308
Type of gen. func.: ogf

$$(31 f(x) + 50) (72 f(x) x^2 - 18 f(x) x + f(x) - 1)$$

Sequence: A016177
Score: 12.2628
Type of gen. func.: ogf

$$-56 f(x) x^2 + 15 f(x) x - f(x) + x$$

Sequence: A016177
Score: 16.1122
Type of gen. func.: revogf

$$- \frac{-1 - 15 x + (x^2 + 30 x + 1)^{1/2}}{112 x}$$

Sequence: A016177
Score: 17.2896
Type of gen. func.: ogf

$$\frac{x}{(8 x - 1) (7 x - 1)}$$

Sequence: A016177
Score: 21.2911
Type of gen. func.: lgdogf

$$-\frac{-15 + 112 x}{(8 x - 1) (7 x - 1)}$$

Sequence: A016177
Score: 7.29081
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1) + 56 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A016178
Score: 13.7107
Type of gen. func.: revogf

$$-\frac{-1 - 16 x + (4 x^2 + 32 x + 1)^{1/2}}{126 x}$$

Sequence: A016178
Score: 15.6080
Type of gen. func.: ogf

$$\frac{1}{(9 x - 1) (7 x - 1)}$$

Sequence: A016178
Score: 6.42682
Type of gen. func.: ogf

$$\{-a(n + 2) + 16 a(n + 1) - 63 a(n), a(0) = 1, a(1) = 16\}$$

Sequence: A016178
Score: 6.42683
Type of gen. func.: ogf

$$(65 f(x) + 63) (63 f(x) x^2 - 16 f(x) x + f(x) - 1)$$

Sequence: A016181
Score: 13.9331
Type of gen. func.: revogf

$$-\frac{-1 - 17 x + (9 x^2 + 34 x + 1)^{1/2}}{140 x}$$

Sequence: A016181
Score: 15.8557
Type of gen. func.: ogf

$$\frac{1}{(10 x - 1) (7 x - 1)}$$

Sequence: A016181
Score: 18.7376
Type of gen. func.: lgdogf

$$-\frac{-17 + 140 x}{(10 x - 1) (7 x - 1)}$$

Sequence: A016181
Score: 6.37875
Type of gen. func.: ogf

$$(149 f(x) + 140) (70 f(x) x^2 - 17 f(x) x + f(x) - 1)$$

Sequence: A016181
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 17 a(n + 1) - 70 a(n), a(0) = 1, a(1) = 17\}$$

Sequence: A016183
Score: 12.1828
Type of gen. func.: revogf

$$-\frac{-1 - 18 x + (16 x^2 + 36 x + 1)^{1/2}}{154 x}$$

Sequence: A016183
Score: 14.2470
Type of gen. func.: ogf

$$\frac{1}{(11 x - 1) (7 x - 1)}$$

Sequence: A016183
Score: 16.8039
Type of gen. func.: lgdogf

$$-\frac{2 (-9 + 77 x)}{(11 x - 1) (7 x - 1)}$$

Sequence: A016183
Score: 5.86641
Type of gen. func.: ogf

$$\{-a(n + 2) + 18 a(n + 1) - 77 a(n), a(0) = 1, a(1) = 18\}$$

Sequence: A016183
Score: 5.86642
Type of gen. func.: ogf

$$(85 f(x) + 77) (77 f(x) x^2 - 18 f(x) x + f(x) - 1)$$

Sequence: A016184
Score: 12.6078
Type of gen. func.: revogf

$$-\frac{-1 - 19 x + (25 x^2 + 38 x + 1)^{1/2}}{168 x}$$

Sequence: A016184
Score: 14.7327
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (7 x - 1)}$$

Sequence: A016184
Score: 16.8104
Type of gen. func.: lgdogf

$$- \frac{-19 + 168 x}{(12 x - 1) (7 x - 1)}$$

Sequence: A016184
Score: 5.92695
Type of gen. func.: ogf

$$(193 f(x) + 168) (84 f(x) x^2 - 19 f(x) x + f(x) - 1)$$

Sequence: A016184
Score: 6.06640
Type of gen. func.: ogf

$$\{-a(n + 2) + 19 a(n + 1) - 84 a(n), a(0) = 1, a(1) = 19\}$$

Sequence: A016185
Score: 11.679
Type of gen. func.: ogf

$$-72 f(x) x^2 + 17 f(x) x - f(x) + x$$

Sequence: A016185
Score: 15.1201
Type of gen. func.: revogf

$$- \frac{-1 - 17 x + (x^2 + 34 x + 1)^{1/2}}{144 x}$$

Sequence: A016185
Score: 16.2365
Type of gen. func.: ogf

$$\frac{x}{(9 x - 1) (8 x - 1)}$$

Sequence: A016185
Score: 19.9801
Type of gen. func.: lgdogf

$$-\frac{-17 + 144 x}{(9 x - 1) (8 x - 1)}$$

Sequence: A016185
Score: 6.84671
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1) + 72 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A016186
Score: 13.9331
Type of gen. func.: revogf

$$-\frac{-1 - 18 x + (4 x^2 + 36 x + 1)^{1/2}}{160 x}$$

Sequence: A016186
Score: 15.8557
Type of gen. func.: ogf

$$\frac{1}{(10 x - 1) (8 x - 1)}$$

Sequence: A016186
Score: 18.1130

Type of gen. func.: lgdogf

$$-\frac{2\,(-9 + 80\,x)}{(10\,x - 1)\,(8\,x - 1)}$$

Sequence: A016186
Score: 6.52884
Type of gen. func.: ogf

$$(41\,f(x) + 40)\,(80\,f(x)\,x^2 - 18\,f(x)\,x + f(x) - 1)$$

Sequence: A016186
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 18\,a(n + 1) - 80\,a(n),\ a(0) = 1,\ a(1) = 18\}$$

Sequence: A016187
Score: 12.7131
Type of gen. func.: revogf

$$-\frac{-1 - 19\,x + (9\,x^2 + 38\,x + 1)^{1/2}}{176\,x}$$

Sequence: A016187
Score: 14.4899
Type of gen. func.: ogf

$$\frac{1}{(11\,x - 1)\,(8\,x - 1)}$$

Sequence: A016187
Score: 16.5271
Type of gen. func.: lgdogf

$$-\frac{-19 + 176\,x}{(11\,x - 1)\,(8\,x - 1)}$$

Sequence: A016187
Score: 5.82925
Type of gen. func.: ogf

$$(185 f(x) + 176) (88 f(x) x^2 - 19 f(x) x + f(x) - 1)$$

Sequence: A016187
Score: 5.96641
Type of gen. func.: ogf

$$\{-a(n + 2) + 19 a(n + 1) - 88 a(n), a(0) = 1, a(1) = 19\}$$

Sequence: A016188
Score: 12.6786
Type of gen. func.: revogf

$$-\frac{-1 - 20 x + (16 x^2 + 40 x + 1)^{1/2}}{192 x}$$

Sequence: A016188
Score: 14.8136
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (8 x - 1)}$$

Sequence: A016188
Score: 16.9048
Type of gen. func.: lgdogf

$$-\frac{4 (-5 + 48 x)}{(12 x - 1) (8 x - 1)}$$

Sequence: A016188
Score: 6.09973
Type of gen. func.: ogf

```
              {-a(n + 2) + 20 a(n + 1) - 96 a(n), a(0) = 1, a(1) = 20}



--------------------------------------------------------------------------------

Sequence:  A016188
Score: 6.09974
Type of gen. func.: ogf


                                          2
                 (13 f(x) + 12) (96 f(x) x  - 20 f(x) x + f(x) - 1)



--------------------------------------------------------------------------------

Sequence:  A016189
Score: 12.9722
Type of gen. func.: ogf


                                   2
                         -90 f(x) x  + 19 f(x) x - f(x) + x



--------------------------------------------------------------------------------

Sequence:  A016189
Score: 15.1201
Type of gen. func.: revogf


                                          2             1/2
                            -1 - 19 x + (x  + 38 x + 1)
                          - ------------------------------
                                         180 x



--------------------------------------------------------------------------------

Sequence:  A016189
Score: 19.2912
Type of gen. func.: lgdogf


                                      -19 + 180 x
                               - --------------------
                                 (10 x - 1) (9 x - 1)



--------------------------------------------------------------------------------

Sequence:  A016189
Score: 22.6087
Type of gen. func.: ogf


                                          x
                                --------------------
                                (10 x - 1) (9 x - 1)



--------------------------------------------------------------------------------

Sequence:  A016189
```

Score: 9.53381
Type of gen. func.: ogf

$$\{a(n + 2) - 19 a(n + 1) + 90 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A016190
Score: 12.8584
Type of gen. func.: revogf

$$- \frac{-1 - 20 x + (4 x^2 + 40 x + 1)^{1/2}}{198 x}$$

Sequence: A016190
Score: 14.6517
Type of gen. func.: ogf

$$\frac{1}{(11 x - 1) (9 x - 1)}$$

Sequence: A016190
Score: 5.96293
Type of gen. func.: ogf

$$(101 f(x) + 99) (99 f(x) x^2 - 20 f(x) x + f(x) - 1)$$

Sequence: A016190
Score: 6.03307
Type of gen. func.: ogf

$$\{-a(n + 2) + 20 a(n + 1) - 99 a(n), a(0) = 1, a(1) = 20\}$$

Sequence: A016191
Score: 13.0764
Type of gen. func.: revogf

$$- \frac{-1 - 21 x + (9 x^2 + 42 x + 1)^{1/2}}{216 x}$$

Sequence: A016191
Score: 14.4809
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (9 x - 1)}$$

Sequence: A016191
Score: 17.5854
Type of gen. func.: lgdogf

$$- \frac{3 (-7 + 72 x)}{(12 x - 1) (9 x - 1)}$$

Sequence: A016191
Score: 6.06176
Type of gen. func.: ogf

$$(25 f(x) + 24) (108 f(x) x^2 - 21 f(x) x + f(x) - 1)$$

Sequence: A016191
Score: 6.06176
Type of gen. func.: ogf

$$\{-a(n + 2) + 21 a(n + 1) - 108 a(n), a(0) = 1, a(1) = 21\}$$

Sequence: A016195
Score: 14.1394
Type of gen. func.: revogf

$$- \frac{-1 - 21 x + (x^2 + 42 x + 1)^{1/2}}{220 x}$$

Sequence: A016195
Score: 14.7730
Type of gen. func.: ogf

$$\frac{x}{(11 x - 1) (10 x - 1)}$$

Sequence: A016195
Score: 16.8760
Type of gen. func.: lgdogf

$$-\frac{-21 + 220 x}{(11 x - 1) (10 x - 1)}$$

Sequence: A016195
Score: 6.33129
Type of gen. func.: ogf

$$\{a(n + 2) - 21 a(n + 1) + 110 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A016195
Score: 8.57788
Type of gen. func.: ogf

$$-110 f(x) x^2 + 21 f(x) x - f(x) + x$$

Sequence: A016196
Score: 13.1490
Type of gen. func.: revogf

$$-\frac{-1 - 22 x + (4 x^2 + 44 x + 1)^{1/2}}{240 x}$$

Sequence: A016196
Score: 14.5596
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (10 x - 1)}$$

Sequence: A016196
Score: 15.5397
Type of gen. func.: lgdogf

$$-\frac{2\,(-11 + 120\,x)}{(12\,x - 1)\,(10\,x - 1)}$$

Sequence: A016196
Score: 6.0947
Type of gen. func.: ogf

$$(61\,f(x) + 60)\,(120\,f(x)\,x^{2} - 22\,f(x)\,x + f(x) - 1)$$

Sequence: A016196
Score: 6.09470
Type of gen. func.: ogf

$$\{-a(n + 2) + 22\,a(n + 1) - 120\,a(n),\ a(0) = 1,\ a(1) = 22\}$$

Sequence: A016197
Score: 14.5300
Type of gen. func.: revogf

$$-\frac{-1 - 23\,x + (x^{2} + 46\,x + 1)^{1/2}}{264\,x}$$

Sequence: A016197
Score: 15.1744
Type of gen. func.: ogf

$$\frac{x}{(12\,x - 1)\,(11\,x - 1)}$$

Sequence: A016197
Score: 17.3422
Type of gen. func.: lgdogf

$$-\frac{-23 + 264\,x}{(12\,x - 1)\,(11\,x - 1)}$$

Sequence: A016197
Score: 6.50333
Type of gen. func.: ogf

$$\{a(n + 2) - 23 a(n + 1) + 132 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A016197
Score: 8.81097
Type of gen. func.: ogf

$$-132 f(x) x^{2} + 23 f(x) x - f(x) + x$$

Sequence: A016198
Score: 18.2157
Type of gen. func.: lgdogf

$$-\frac{2 (-1 + 3 x) (5 x - 4)}{(x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A016198
Score: 19.4757
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A016198
Score: 6.60482
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 17 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 8, a(2) = 47\}$$

Sequence: A016198
Score: 6.96839
Type of gen. func.: ogf

3 2

$$(34971 f(x) - 10100) (10 f(x) x - 17 f(x) x + 8 f(x) x - f(x) + 1)$$

Sequence: A016200
Score: 14.2873
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (6 x - 1) (2 x - 1)}$$

Sequence: A016200
Score: 14.3480
Type of gen. func.: lgdogf

$$- \frac{36 x^2 - 40 x + 9}{(x - 1) (6 x - 1) (2 x - 1)}$$

Sequence: A016200
Score: 4.84527
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 20 a(n + 1) - 12 a(n), a(0) = 1, a(1) = 9, a(2) = 61\}$$

Sequence: A016200
Score: 5.20753
Type of gen. func.: ogf

$$(9149 f(x) - 2214) (12 f(x) x^3 - 20 f(x) x^2 + 9 f(x) x - f(x) + 1)$$

Sequence: A016201
Score: 12.9555
Type of gen. func.: lgdogf

$$- \frac{2 (21 x^2 - 23 x + 5)}{(x - 1) (2 x - 1) (7 x - 1)}$$

Sequence: A016201

Score: 13.2500
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (2 x - 1) (7 x - 1)}$$

Sequence: A016201
Score: 4.52991
Type of gen. func.: ogf

{a(n + 3) - 10 a(n + 2) + 23 a(n + 1) - 14 a(n), a(0) = 1, a(1) = 10, a(2) = 77

}

Sequence: A016201
Score: 4.69026
Type of gen. func.: ogf

$$(1231395 f(x) - 256172) (14 f(x) x^3 - 23 f(x) x^2 + 10 f(x) x - f(x) + 1)$$

Sequence: A016203
Score: 13.9125
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (8 x - 1) (2 x - 1)}$$

Sequence: A016203
Score: 4.75640
Type of gen. func.: ogf

{a(n + 3) - 11 a(n + 2) + 26 a(n + 1) - 16 a(n), a(0) = 1, a(1) = 11, a(2) = 95

}

Sequence: A016203
Score: 5.05908
Type of gen. func.: ogf

$$(73533 f(x) - 13408) (16 f(x) x^3 - 26 f(x) x^2 + 11 f(x) x - f(x) + 1)$$

Sequence: A016204
Score: 13.8604
Type of gen. func.: lgdogf

$$-\frac{2\,(27\,x^2 - 29\,x + 6)}{(x - 1)\,(2\,x - 1)\,(9\,x - 1)}$$

Sequence: A016204
Score: 14.5014
Type of gen. func.: ogf

$$-\frac{1}{(x - 1)\,(2\,x - 1)\,(9\,x - 1)}$$

Sequence: A016204
Score: 4.91572
Type of gen. func.: ogf

$\{a(n + 3) - 12\,a(n + 2) + 29\,a(n + 1) - 18\,a(n),\ a(0) = 1,\ a(1) = 12,$

$a(2) = 115\}$

Sequence: A016204
Score: 5.13323
Type of gen. func.: ogf

$$(4175609\,f(x) - 677484)\,(18\,f(x)\,x^3 - 29\,f(x)\,x^2 + 12\,f(x)\,x - f(x) + 1)$$

Sequence: A016205
Score: 13.2534
Type of gen. func.: lgdogf

$$-\frac{60\,x^2 - 64\,x + 13}{(x - 1)\,(2\,x - 1)\,(10\,x - 1)}$$

Sequence: A016205

Score: 13.8738
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(2x-1)(10x-1)}$$

Sequence: A016205
Score: 4.70297
Type of gen. func.: ogf

$$\{a(n+3) - 13\,a(n+2) + 32\,a(n+1) - 20\,a(n),\ a(0) = 1,\ a(1) = 13,\ a(2) = 137\}$$

Sequence: A016205
Score: 5.0913
Type of gen. func.: ogf

$$(54579\,f(x) - 7975)\,(20\,f(x)\,x^3 - 32\,f(x)\,x^2 + 13\,f(x)\,x - f(x) + 1)$$

Sequence: A016206
Score: 12.9378
Type of gen. func.: lgdogf

$$-\frac{2\,(33x^2 - 35x + 7)}{(x-1)(2x-1)(11x-1)}$$

Sequence: A016206
Score: 13.8738
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(2x-1)(11x-1)}$$

Sequence: A016206
Score: 4.70297
Type of gen. func.: ogf

$$\{a(n+3) - 14\,a(n+2) + 35\,a(n+1) - 22\,a(n),\ a(0) = 1,\ a(1) = 14,$$

a(2) = 161}

Sequence: A016206
Score: 4.91107
Type of gen. func.: ogf

$$(1591593 f(x) - 211508) (22 f(x) x^3 - 35 f(x) x^2 + 14 f(x) x - f(x) + 1)$$

Sequence: A016207
Score: 12.3245
Type of gen. func.: lgdogf

$$- \frac{72 x^2 - 76 x + 15}{(x - 1) (2 x - 1) (12 x - 1)}$$

Sequence: A016207
Score: 12.6078
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (2 x - 1) (12 x - 1)}$$

Sequence: A016207
Score: 4.27382
Type of gen. func.: ogf

{a(n + 3) - 15 a(n + 2) + 38 a(n + 1) - 24 a(n), a(0) = 1, a(1) = 15,

a(2) = 187}

Sequence: A016207
Score: 4.62672
Type of gen. func.: ogf

$$(76225 f(x) - 9288) (24 f(x) x^3 - 38 f(x) x^2 + 15 f(x) x - f(x) + 1)$$

Sequence: A016208

Score: 19.5609
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(-1+3x)(-1+4x)}$$

Sequence: A016208
Score: 6.63370
Type of gen. func.: ogf

$$\{a(n+3) - 8 a(n+2) + 19 a(n+1) - 12 a(n), a(0) = 1, a(1) = 8, a(2) = 45\}$$

Sequence: A016208
Score: 6.87273
Type of gen. func.: ogf

$$(495859 f(x) - 128304) (12 f(x) x^3 - 19 f(x) x^2 + 8 f(x) x - f(x) + 1)$$

Sequence: A016209
Score: 13.3656
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(-1+3x)(5x-1)}$$

Sequence: A016209
Score: 13.4020
Type of gen. func.: lgdogf

$$-\frac{45x^2 - 46x + 9}{(x-1)(-1+3x)(5x-1)}$$

Sequence: A016209
Score: 4.53267
Type of gen. func.: ogf

$$\{a(n+3) - 9 a(n+2) + 23 a(n+1) - 15 a(n), a(0) = 1, a(1) = 9, a(2) = 58\}$$

Sequence: A016209
Score: 4.65408
Type of gen. func.: ogf

$$(1420013 f(x) - 296325) (15 f(x) x^3 - 23 f(x) x^2 + 9 f(x) x - f(x) + 1)$$

Sequence: A016211
Score: 12.3666
Type of gen. func.: lgdogf

$$- \frac{2 (27 x^2 - 27 x + 5)}{(x - 1) (6 x - 1) (-1 + 3 x)}$$

Sequence: A016211
Score: 12.6611
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (6 x - 1) (-1 + 3 x)}$$

Sequence: A016211
Score: 4.32858
Type of gen. func.: ogf

$$\{a(n + 3) - 10 a(n + 2) + 27 a(n + 1) - 18 a(n), a(0) = 1, a(1) = 10, a(2) = 73\}$$

Sequence: A016211
Score: 4.77777
Type of gen. func.: ogf

$$(665 f(x) - 116) (18 f(x) x^3 - 27 f(x) x^2 + 10 f(x) x - f(x) + 1)$$

Sequence: A016212
Score: 13.3236
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(-1+3x)(7x-1)}$$

Sequence: A016212
Score: 4.55508
Type of gen. func.: ogf

$\{a(n+3) - 11 a(n+2) + 31 a(n+1) - 21 a(n), a(0) = 1, a(1) = 11, a(2) = 90\}$

Sequence: A016212
Score: 6.45323
Type of gen. func.: ogf

$$(7132501 f(x) - 1067661) (21 f(x) x^3 - 31 f(x) x^2 + 11 f(x) x - f(x) + 1)$$

Sequence: A016214
Score: 13.4295
Type of gen. func.: lgdogf

$$-\frac{2(-2+9x)(4x-3)}{(x-1)(-1+3x)(8x-1)}$$

Sequence: A016214
Score: 14.0597
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(-1+3x)(8x-1)}$$

Sequence: A016214
Score: 4.76600
Type of gen. func.: ogf

$\{a(n+3) - 12 a(n+2) + 35 a(n+1) - 24 a(n), a(0) = 1, a(1) = 12, a(2) = 109\}$

Sequence: A016214
Score: 4.89033
Type of gen. func.: ogf

$$(13624019 f(x) - 1785024) (24 f(x) x^3 - 35 f(x) x^2 + 12 f(x) x - f(x) + 1)$$

Sequence: A016215
Score: 16.7322
Type of gen. func.: lgdogf

$$- \frac{2 (45 x^2 - 43 x + 7)}{(x - 1) (-1 + 3 x) (10 x - 1)}$$

Sequence: A016215
Score: 17.4501
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (-1 + 3 x) (10 x - 1)}$$

Sequence: A016215
Score: 5.91530
Type of gen. func.: ogf

$$\{a(n + 3) - 14 a(n + 2) + 43 a(n + 1) - 30 a(n), a(0) = 1, a(1) = 14, a(2) = 153\}$$

Sequence: A016215
Score: 6.06961
Type of gen. func.: ogf

$$(40428583 f(x) - 4236300) (30 f(x) x^3 - 43 f(x) x^2 + 14 f(x) x - f(x) + 1)$$

Sequence: A016216
Score: 17.1506
Type of gen. func.: lgdogf

^{2}

$$-\frac{99 x - 94 x + 15}{(x - 1) (-1 + 3 x) (11 x - 1)}$$

Sequence: A016216
Score: 17.4501
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (-1 + 3 x) (11 x - 1)}$$

Sequence: A016216
Score: 5.91530
Type of gen. func.: ogf

$\{a(n + 3) - 15 a(n + 2) + 47 a(n + 1) - 33 a(n), a(0) = 1, a(1) = 15,$

$a(2) = 178\}$

Sequence: A016216
Score: 6.06961
Type of gen. func.: ogf

$$(64462685 f(x) - 6138693) (33 f(x) x^3 - 47 f(x) x^2 + 15 f(x) x - f(x) + 1)$$

Sequence: A016217
Score: 17.3898
Type of gen. func.: lgdogf

$$-\frac{2 (54 x^2 - 51 x + 8)}{(x - 1) (-1 + 3 x) (12 x - 1)}$$

Sequence: A016217
Score: 18.1242
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (-1 + 3 x) (12 x - 1)}$$

Sequence: A016217
Score: 6.14379
Type of gen. func.: ogf

$$\{a(n + 3) - 16\, a(n + 2) + 51\, a(n + 1) - 36\, a(n),\ a(0) = 1,\ a(1) = 16,\ a(2) = 205\}$$

Sequence: A016217
Score: 6.53124
Type of gen. func.: ogf

$$(135499\, f(x) - 11824)\, (36\, f(x)\, x^3 - 51\, f(x)\, x^2 + 16\, f(x)\, x - f(x) + 1)$$

Sequence: A016218
Score: 17.7939
Type of gen. func.: lgdogf

$$- \frac{2\, (30\, x^2 - 29\, x + 5)}{(x - 1)\, (-1 + 4\, x)\, (5\, x - 1)}$$

Sequence: A016218
Score: 18.1074
Type of gen. func.: ogf

$$- \frac{1}{(x - 1)\, (-1 + 4\, x)\, (5\, x - 1)}$$

Sequence: A016218
Score: 6.19058
Type of gen. func.: ogf

$$\{a(n + 3) - 10\, a(n + 2) + 29\, a(n + 1) - 20\, a(n),\ a(0) = 1,\ a(1) = 10,\ a(2) = 71\}$$

Sequence: A016218
Score: 6.40973
Type of gen. func.: ogf

$$(5329149 f(x) - 849200) (20 f(x) x^3 - 29 f(x) x^2 + 10 f(x) x - f(x) + 1)$$

Sequence: A016222
Score: 12.8083
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (6 x - 1) (-1 + 4 x)}$$

Sequence: A016222
Score: 12.8347
Type of gen. func.: lgdogf

$$-\frac{72 x^2 - 68 x + 11}{(x - 1) (6 x - 1) (-1 + 4 x)}$$

Sequence: A016222
Score: 4.37891
Type of gen. func.: ogf

$$\{a(n + 3) - 11 a(n + 2) + 34 a(n + 1) - 24 a(n), a(0) = 1, a(1) = 11, a(2) = 87\}$$

Sequence: A016222
Score: 4.7003
Type of gen. func.: ogf

$$(56843 f(x) - 7560) (24 f(x) x^3 - 34 f(x) x^2 + 11 f(x) x - f(x) + 1)$$

Sequence: A016223
Score: 12.9268
Type of gen. func.: lgdogf

$$-\frac{6 (14 x^2 - 13 x + 2)}{(x - 1) (7 x - 1) (-1 + 4 x)}$$

Sequence: A016223
Score: 18.6235
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(7x-1)(-1+4x)}$$

Sequence: A016223
Score: 6.31306
Type of gen. func.: ogf

$$\{a(n+3) - 12 a(n+2) + 39 a(n+1) - 28 a(n), a(0) = 1, a(1) = 12, a(2) = 105\}$$

Sequence: A016223
Score: 6.53457
Type of gen. func.: ogf

$$(8919613 f(x) - 1016848) (28 f(x) x^3 - 39 f(x) x^2 + 12 f(x) x - f(x) + 1)$$

Sequence: A016224
Score: 13.5732
Type of gen. func.: lgdogf

$$-\frac{96 x^2 - 88 x + 13}{(x-1)(8x-1)(-1+4x)}$$

Sequence: A016224
Score: 14.2069
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(8x-1)(-1+4x)}$$

Sequence: A016224
Score: 4.81591
Type of gen. func.: ogf

$\{a(n + 3) - 13 a(n + 2) + 44 a(n + 1) - 32 a(n), a(0) = 1, a(1) = 13, a(2) = 125\}$

Sequence: A016224
Score: 5.21355
Type of gen. func.: ogf

$$(49911 f(x) - 4976) (32 f(x) x^3 - 44 f(x) x^2 + 13 f(x) x - f(x) + 1)$$

Sequence: A016225
Score: 12.9378
Type of gen. func.: lgdogf

$$- \frac{3 (40 x^2 - 36 x + 5)}{(x - 1) (-1 + 4 x) (10 x - 1)}$$

Sequence: A016225
Score: 13.8738
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (-1 + 4 x) (10 x - 1)}$$

Sequence: A016225
Score: 4.70297
Type of gen. func.: ogf

$\{a(n + 3) - 15 a(n + 2) + 54 a(n + 1) - 40 a(n), a(0) = 1, a(1) = 15, a(2) = 171\}$

Sequence: A016225
Score: 4.91107
Type of gen. func.: ogf

$$(1579669 f(x) - 125800) (40 f(x) x^3 - 54 f(x) x^2 + 15 f(x) x - f(x) + 1)$$

Sequence: A016226
Score: 12.6370
Type of gen. func.: lgdogf

$$-\frac{2\,(6x-1)\,(11x-8)}{(x-1)\,(-1+4x)\,(11x-1)}$$

Sequence: A016226
Score: 13.8738
Type of gen. func.: ogf

$$-\frac{1}{(x-1)\,(-1+4x)\,(11x-1)}$$

Sequence: A016226
Score: 4.70297
Type of gen. func.: ogf

$$\{a(n+3)-16\,a(n+2)+59\,a(n+1)-44\,a(n),\ a(0)=1,\ a(1)=16,\ a(2)=197\}$$

Sequence: A016226
Score: 4.74317
Type of gen. func.: ogf

$$(241792827\,f(x)-17491760)\,(44\,f(x)\,x^3-59\,f(x)\,x^2+16\,f(x)\,x-f(x)+1)$$

Sequence: A016227
Score: 11.8725
Type of gen. func.: lgdogf

$$-\frac{144x^2-128x+17}{(x-1)\,(12x-1)\,(-1+4x)}$$

Sequence: A016227
Score: 12.7494
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(12x-1)(-1+4x)}$$

Sequence: A016227
Score: 4.32185
Type of gen. func.: ogf

{a(n + 3) - 17 a(n + 2) + 64 a(n + 1) - 48 a(n), a(0) = 1, a(1) = 17,

a(2) = 225}

Sequence: A016227
Score: 4.6787
Type of gen. func.: ogf

$$(45227 f(x) - 2997)(48 f(x) x^3 - 64 f(x) x^2 + 17 f(x) x - f(x) + 1)$$

Sequence: A016228
Score: 17.6189
Type of gen. func.: lgdogf

$$-\frac{2(45x^2 - 41x + 6)}{(x-1)(6x-1)(5x-1)}$$

Sequence: A016228
Score: 17.9280
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(6x-1)(5x-1)}$$

Sequence: A016228
Score: 6.07730
Type of gen. func.: ogf

{a(n + 3) - 12 a(n + 2) + 41 a(n + 1) - 30 a(n), a(0) = 1, a(1) = 12,

a(2) = 103}

```
------------------------------------------------------------------------------

Sequence:  A016228
Score: 6.23584
Type of gen. func.: ogf


                                       3             2
   (36441461 f(x) - 3890700) (30 f(x) x  - 41 f(x) x  + 12 f(x) x - f(x) + 1)



------------------------------------------------------------------------------

Sequence:  A016230
Score: 13.1423
Type of gen. func.: lgdogf


                                    2
                               105 x  - 94 x + 13
                         - ---------------------------
                           (x - 1) (7 x - 1) (5 x - 1)



------------------------------------------------------------------------------

Sequence:  A016230
Score: 13.7652
Type of gen. func.: ogf


                                        1
                         - ---------------------------
                           (x - 1) (7 x - 1) (5 x - 1)



------------------------------------------------------------------------------

Sequence:  A016230
Score: 4.66619
Type of gen. func.: ogf


{a(n + 3) - 13 a(n + 2) + 47 a(n + 1) - 35 a(n), a(0) = 1, a(1) = 13,

    a(2) = 122}



------------------------------------------------------------------------------

Sequence:  A016230
Score: 4.78791
Type of gen. func.: ogf


                                       3             2
   (76580997 f(x) - 7003325) (35 f(x) x  - 47 f(x) x  + 13 f(x) x - f(x) + 1)



------------------------------------------------------------------------------

Sequence:  A016233
Score: 14.0597
Type of gen. func.: lgdogf
```

$$-\frac{2\,(60\,x^{2}-53\,x+7)}{(x-1)\,(8\,x-1)\,(5\,x-1)}$$

Sequence: A016233
Score: 14.3542
Type of gen. func.: ogf

$$-\frac{1}{(x-1)\,(8\,x-1)\,(5\,x-1)}$$

Sequence: A016233
Score: 4.86581
Type of gen. func.: ogf

$$\{a(n+3)-14\,a(n+2)+53\,a(n+1)-40\,a(n),\ a(0)=1,\ a(1)=14,\ a(2)=143\}$$

Sequence: A016233
Score: 4.9074
Type of gen. func.: ogf

$$(146264613\,f(x)-11691200)\,(40\,f(x)\,x^{3}-53\,f(x)\,x^{2}+14\,f(x)\,x-f(x)+1)$$

Sequence: A016234
Score: 12.6189
Type of gen. func.: lgdogf

$$-\frac{135\,x^{2}-118\,x+15}{(x-1)\,(9\,x-1)\,(5\,x-1)}$$

Sequence: A016234
Score: 13.2234
Type of gen. func.: ogf

$$-\frac{1}{(x-1)\,(9\,x-1)\,(5\,x-1)}$$

Sequence: A016234
Score: 4.48253
Type of gen. func.: ogf

$\{a(n + 3) - 15 a(n + 2) + 59 a(n + 1) - 45 a(n), a(0) = 1, a(1) = 15,$

$a(2) = 166\}$

Sequence: A016234
Score: 4.59946
Type of gen. func.: ogf

$$(37065707 f(x) - 2630475) (45 f(x) x^3 - 59 f(x) x^2 + 15 f(x) x - f(x) + 1)$$

Sequence: A016237
Score: 13.2534
Type of gen. func.: lgdogf

$$- \frac{2 (75 x^2 - 65 x + 8)}{(x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A016237
Score: 17.4501
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A016237
Score: 5.91530
Type of gen. func.: ogf

$\{a(n + 3) - 16 a(n + 2) + 65 a(n + 1) - 50 a(n), a(0) = 1, a(1) = 16,$

$a(2) = 191\}$

Sequence: A016237

Score: 6.34551
Type of gen. func.: ogf

```
                                3            2
     (138873 f(x) - 8860) (50 f(x) x  - 65 f(x) x  + 16 f(x) x - f(x) + 1)
```

Sequence: A016238
Score: 12.7042
Type of gen. func.: lgdogf

```
                                     2
                                165 x  - 142 x + 17
                             - ---------------------------
                               (x - 1) (5 x - 1) (11 x - 1)
```

Sequence: A016238
Score: 13.9460
Type of gen. func.: ogf

```
                                         1
                             - ---------------------------
                               (x - 1) (5 x - 1) (11 x - 1)
```

Sequence: A016238
Score: 4.72747
Type of gen. func.: ogf

```
{a(n + 3) - 17 a(n + 2) + 71 a(n + 1) - 55 a(n), a(0) = 1, a(1) = 17,

    a(2) = 218}
```

Sequence: A016238
Score: 6.04267
Type of gen. func.: ogf

```
                                            3             2
  (691942461 f(x) - 40090325) (55 f(x) x  - 71 f(x) x  + 17 f(x) x - f(x) + 1)
```

Sequence: A016239
Score: 12.1621
Type of gen. func.: lgdogf

```
                                       2
                                2 (90 x  - 77 x + 9)
                             - ---------------------------
```

$$(x - 1)(5x - 1)(12x - 1)$$

Sequence: A016239
Score: 12.7494
Type of gen. func.: ogf

$$-\frac{1}{(x - 1)(5x - 1)(12x - 1)}$$

Sequence: A016239
Score: 4.32185
Type of gen. func.: ogf

$$(1060257197 f(x) - 56257200)(60 f(x) x^3 - 77 f(x) x^2 + 18 f(x) x - f(x) + 1)$$

Sequence: A016239
Score: 4.32185
Type of gen. func.: ogf

$$\{a(n + 3) - 18 a(n + 2) + 77 a(n + 1) - 60 a(n), a(0) = 1, a(1) = 18, a(2) = 247\}$$

Sequence: A016241
Score: 17.0493
Type of gen. func.: lgdogf

$$-\frac{2(63x^2 - 55x + 7)}{(x - 1)(6x - 1)(7x - 1)}$$

Sequence: A016241
Score: 17.3538
Type of gen. func.: ogf

$$-\frac{1}{(x - 1)(6x - 1)(7x - 1)}$$

Sequence: A016241
Score: 5.88264
Type of gen. func.: ogf

$$\{a(n + 3) - 14 a(n + 2) + 55 a(n + 1) - 42 a(n), a(0) = 1, a(1) = 14, a(2) = 141\}$$

Sequence: A016241
Score: 5.93292
Type of gen. func.: ogf

$$(182951971 f(x) - 13933836) (42 f(x) x^{3} - 55 f(x) x^{2} + 14 f(x) x - f(x) + 1)$$

Sequence: A016243
Score: 13.6706
Type of gen. func.: lgdogf

$$- \frac{144 x^{2} - 124 x + 15}{(x - 1) (6 x - 1) (8 x - 1)}$$

Sequence: A016243
Score: 14.6486
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (6 x - 1) (8 x - 1)}$$

Sequence: A016243
Score: 4.96563
Type of gen. func.: ogf

$$\{a(n + 3) - 15 a(n + 2) + 62 a(n + 1) - 48 a(n), a(0) = 1, a(1) = 15, a(2) = 163\}$$

Sequence: A016243
Score: 5.13985
Type of gen. func.: ogf

$${}^{3} \qquad\qquad {}^{2}$$

$$(10919455 f(x) - 726624) (48 f(x) x - 62 f(x) x + 15 f(x) x - f(x) + 1)$$

Sequence: A016244
Score: 13.1512
Type of gen. func.: lgdogf

$$-\frac{2 (81 x^2 - 69 x + 8)}{(x - 1) (6 x - 1) (9 x - 1)}$$

Sequence: A016244
Score: 13.4402
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (6 x - 1) (9 x - 1)}$$

Sequence: A016244
Score: 4.55601
Type of gen. func.: ogf

$\{a(n + 3) - 16 a(n + 2) + 69 a(n + 1) - 54 a(n), a(0) = 1, a(1) = 16,$

$a(2) = 187\}$

Sequence: A016244
Score: 4.7576
Type of gen. func.: ogf

$$(2550779 f(x) - 150660) (54 f(x) x^3 - 69 f(x) x^2 + 16 f(x) x - f(x) + 1)$$

Sequence: A016246
Score: 12.9378
Type of gen. func.: lgdogf

$$-\frac{180 x^2 - 152 x + 17}{(x - 1) (6 x - 1) (10 x - 1)}$$

Sequence: A016246
Score: 13.8738
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(6x-1)(10x-1)}$$

Sequence: A016246
Score: 4.70297
Type of gen. func.: ogf

{a(n + 3) - 17 a(n + 2) + 76 a(n + 1) - 60 a(n), a(0) = 1, a(1) = 17,

a(2) = 213}

Sequence: A016246
Score: 4.91107
Type of gen. func.: ogf

$$(2314177 f(x) - 122850) (60 f(x) x^3 - 76 f(x) x^2 + 17 f(x) x - f(x) + 1)$$

Sequence: A016247
Score: 13.4649
Type of gen. func.: lgdogf

$$-\frac{2 (99 x^2 - 83 x + 9)}{(x-1)(6x-1)(11x-1)}$$

Sequence: A016247
Score: 14.0906
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(6x-1)(11x-1)}$$

Sequence: A016247
Score: 4.77646
Type of gen. func.: ogf

$$\{a(n + 3) - 18 a(n + 2) + 83 a(n + 1) - 66 a(n), a(0) = 1, a(1) = 18, a(2) = 241\}$$

Sequence: A016247
Score: 4.81729
Type of gen. func.: ogf

$$(236144153 f(x) - 11382228) (66 f(x) x^3 - 83 f(x) x^2 + 18 f(x) x - f(x) + 1)$$

Sequence: A016248
Score: 12.8203
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (6 x - 1) (12 x - 1)}$$

Sequence: A016248
Score: 4.34586
Type of gen. func.: ogf

$$\{a(n + 3) - 19 a(n + 2) + 90 a(n + 1) - 72 a(n), a(0) = 1, a(1) = 19, a(2) = 271\}$$

Sequence: A016248
Score: 4.66192
Type of gen. func.: ogf

$$(108577 f(x) - 4792) (72 f(x) x^3 - 90 f(x) x^2 + 19 f(x) x - f(x) + 1)$$

Sequence: A016249
Score: 18.1149
Type of gen. func.: lgdogf

$$- \frac{2 (84 x^2 - 71 x + 8)}{(x - 1) (8 x - 1) (7 x - 1)}$$

Sequence: A016249
Score: 18.4194
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(8x-1)(7x-1)}$$

Sequence: A016249
Score: 6.24385
Type of gen. func.: ogf

$\{a(n+3) - 16\,a(n+2) + 71\,a(n+1) - 56\,a(n),\ a(0) = 1,\ a(1) = 16,$

$a(2) = 185\}$

Sequence: A016249
Score: 6.29722
Type of gen. func.: ogf

$$(734282151\,f(x) - 41806016)\,(56\,f(x)\,x^3 - 71\,f(x)\,x^2 + 16\,f(x)\,x - f(x) + 1)$$

Sequence: A016250
Score: 13.1124
Type of gen. func.: lgdogf

$$-\frac{189x^2 - 158x + 17}{(x-1)(7x-1)(9x-1)}$$

Sequence: A016250
Score: 17.1506
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(7x-1)(9x-1)}$$

Sequence: A016250
Score: 5.81375
Type of gen. func.: ogf

$$(1302536029 f(x) - 65809989) (63 f(x) x^3 - 79 f(x) x^2 + 17 f(x) x - f(x) + 1)$$

Sequence: A016250
Score: 5.81375
Type of gen. func.: ogf

{a(n + 3) - 17 a(n + 2) + 79 a(n + 1) - 63 a(n), a(0) = 1, a(1) = 17,

a(2) = 210}

Sequence: A016252
Score: 13.2534
Type of gen. func.: lgdogf

$$- \frac{6 (35 x^2 - 29 x + 3)}{(x - 1) (7 x - 1) (10 x - 1)}$$

Sequence: A016252
Score: 13.8738
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (7 x - 1) (10 x - 1)}$$

Sequence: A016252
Score: 4.70297
Type of gen. func.: ogf

{a(n + 3) - 18 a(n + 2) + 87 a(n + 1) - 70 a(n), a(0) = 1, a(1) = 18,

a(2) = 237}

Sequence: A016252
Score: 4.74317
Type of gen. func.: ogf

$$(242070443 f(x) - 10990700) (70 f(x) x^3 - 87 f(x) x^2 + 18 f(x) x - f(x) + 1)$$

Sequence: A016254
Score: 11.6701
Type of gen. func.: lgdogf

$$-\frac{231 x^2 - 190 x + 19}{(x - 1) (7 x - 1) (11 x - 1)}$$

Sequence: A016254
Score: 12.5370
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (7 x - 1) (11 x - 1)}$$

Sequence: A016254
Score: 4.24981
Type of gen. func.: ogf

$\{a(n + 3) - 19 a(n + 2) + 95 a(n + 1) - 77 a(n), a(0) = 1, a(1) = 19,$

$a(2) = 266\}$

Sequence: A016254
Score: 4.32309
Type of gen. func.: ogf

$$(182822919 f(x) - 7535759) (77 f(x) x^3 - 95 f(x) x^2 + 19 f(x) x - f(x) + 1)$$

Sequence: A016255
Score: 11.2069
Type of gen. func.: lgdogf

$$-\frac{2 (126 x^2 - 103 x + 10)}{(x - 1) (7 x - 1) (12 x - 1)}$$

Sequence: A016255
Score: 12.5767
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(7x-1)(12x-1)}$$

Sequence: A016255
Score: 4.29704
Type of gen. func.: ogf

$$(5322600055 f(x) - 200863152) (84 f(x) x^3 - 103 f(x) x^2 + 20 f(x) x - f(x) + 1)$$

Sequence: A016255
Score: 4.33314
Type of gen. func.: ogf

$$\{a(n + 3) - 20 a(n + 2) + 103 a(n + 1) - 84 a(n), a(0) = 1, a(1) = 20, a(2) = 297\}$$

Sequence: A016256
Score: 16.3339
Type of gen. func.: lgdogf

$$-\frac{2 (108 x^2 - 89 x + 9)}{(x - 1) (8 x - 1) (9 x - 1)}$$

Sequence: A016256
Score: 17.4501
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (8 x - 1) (9 x - 1)}$$

Sequence: A016256
Score: 5.86559
Type of gen. func.: ogf

$$(2487708089 f(x) - 109750464) (72 f(x) x^3 - 89 f(x) x^2 + 18 f(x) x - f(x) + 1)$$

Sequence: A016256
Score: 5.91530
Type of gen. func.: ogf

{a(n + 3) - 18 a(n + 2) + 89 a(n + 1) - 72 a(n), a(0) = 1, a(1) = 18,

a(2) = 235}

Sequence: A016257
Score: 12.6370
Type of gen. func.: lgdogf

$$-\frac{240 x^{2} - 196 x + 19}{(x - 1) (8 x - 1) (10 x - 1)}$$

Sequence: A016257
Score: 13.8738
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (8 x - 1) (10 x - 1)}$$

Sequence: A016257
Score: 4.70297
Type of gen. func.: ogf

{a(n + 3) - 19 a(n + 2) + 98 a(n + 1) - 80 a(n), a(0) = 1, a(1) = 19,

a(2) = 263}

Sequence: A016257
Score: 4.78406
Type of gen. func.: ogf

$$(130029969 f(x) - 5154400) (80 f(x) x^{3} - 98 f(x) x^{2} + 19 f(x) x - f(x) + 1)$$

Sequence: A016259
Score: 11.0810
Type of gen. func.: lgdogf

$$-\frac{2\,(132\,x^2 - 107\,x + 10)}{(x - 1)\,(11\,x - 1)\,(8\,x - 1)}$$

Sequence: A016259
Score: 12.4385
Type of gen. func.: ogf

$$-\frac{1}{(x - 1)\,(11\,x - 1)\,(8\,x - 1)}$$

Sequence: A016259
Score: 4.24982
Type of gen. func.: ogf

$$(6634268475\,f(x) - 238724288)\,(88\,f(x)\,x^3 - 107\,f(x)\,x^2 + 20\,f(x)\,x - f(x) + 1)$$

Sequence: A016259
Score: 4.28553
Type of gen. func.: ogf

$\{a(n + 3) - 20\,a(n + 2) + 107\,a(n + 1) - 88\,a(n),\ a(0) = 1,\ a(1) = 20,$

$a(2) = 293\}$

Sequence: A016260
Score: 11.7941
Type of gen. func.: lgdogf

$$-\frac{288\,x^2 - 232\,x + 21}{(x - 1)\,(8\,x - 1)\,(12\,x - 1)}$$

Sequence: A016260
Score: 12.6458
Type of gen. func.: ogf

$$-\frac{1}{(x - 1)\,(8\,x - 1)\,(12\,x - 1)}$$

Sequence: A016260
Score: 4.35695
Type of gen. func.: ogf

$\{a(n+3) - 21 a(n+2) + 116 a(n+1) - 96 a(n), a(0) = 1, a(1) = 21, a(2) = 325\}$

Sequence: A016260
Score: 4.54805
Type of gen. func.: ogf

$$(9927329 f(x) - 327024) (96 f(x) x^3 - 116 f(x) x^2 + 21 f(x) x - f(x) + 1)$$

Sequence: A016261
Score: 15.5914
Type of gen. func.: lgdogf

$$- \frac{2 (135 x^2 - 109 x + 10)}{(x - 1) (9 x - 1) (10 x - 1)}$$

Sequence: A016261
Score: 17.0245
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (9 x - 1) (10 x - 1)}$$

Sequence: A016261
Score: 5.81671
Type of gen. func.: ogf

$$(7381059049 f(x) - 259548300) (90 f(x) x^3 - 109 f(x) x^2 + 20 f(x) x - f(x) + 1)$$

Sequence: A016261
Score: 5.86559
Type of gen. func.: ogf

{a(n + 3) - 20 a(n + 2) + 109 a(n + 1) - 90 a(n), a(0) = 1, a(1) = 20,

a(2) = 291}

Sequence: A016262
Score: 12.0074
Type of gen. func.: lgdogf

$$- \frac{297 x^2 - 238 x + 21}{(x - 1) (9 x - 1) (11 x - 1)}$$

Sequence: A016262
Score: 17.9013
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (9 x - 1) (11 x - 1)}$$

Sequence: A016262
Score: 6.16768
Type of gen. func.: ogf

$$(1681202531 f(x) - 53660475) (99 f(x) x^3 - 119 f(x) x^2 + 21 f(x) x - f(x) + 1)$$

Sequence: A016262
Score: 6.16768
Type of gen. func.: ogf

{a(n + 3) - 21 a(n + 2) + 119 a(n + 1) - 99 a(n), a(0) = 1, a(1) = 21,

a(2) = 322}

Sequence: A016263
Score: 11.5904
Type of gen. func.: lgdogf

$$- \frac{2 (162 x^2 - 129 x + 11)}{(x - 1) (12 x - 1) (9 x - 1)}$$

Sequence: A016263
Score: 12.4122
Type of gen. func.: ogf

$$-\frac{1}{(x - 1)\ (12\ x - 1)\ (9\ x - 1)}$$

Sequence: A016263
Score: 4.34426
Type of gen. func.: ogf

$$\{a(n + 3) - 22\ a(n + 2) + 129\ a(n + 1) - 108\ a(n),\ a(0) = 1,\ a(1) = 22,\ a(2) = 355\}$$

Sequence: A016263
Score: 4.49406
Type of gen. func.: ogf

$$(10601149\ f(x) - 309744)\ (108\ f(x)\ x^3 - 129\ f(x)\ x^2 + 22\ f(x)\ x - f(x) + 1)$$

Sequence: A016265
Score: 11.0865
Type of gen. func.: lgdogf

$$-\frac{2\ (165\ x^2 - 131\ x + 11)}{(x - 1)\ (10\ x - 1)\ (11\ x - 1)}$$

Sequence: A016265
Score: 12.4122
Type of gen. func.: ogf

$$-\frac{1}{(x - 1)\ (10\ x - 1)\ (11\ x - 1)}$$

Sequence: A016265

```
Score: 4.27304
Type of gen. func.: ogf


(19683914271 f(x) - 564380300)

                3             2
    (110 f(x) x  - 131 f(x) x  + 22 f(x) x - f(x) + 1)



------------------------------------------------------------------------------

Sequence:  A016265
Score: 4.34426
Type of gen. func.: ogf


{a(n + 3) - 22 a(n + 2) + 131 a(n + 1) - 110 a(n), a(0) = 1, a(1) = 22,

    a(2) = 353}



------------------------------------------------------------------------------

Sequence:  A016267
Score: 11.7192
Type of gen. func.: lgdogf


                                       2
                                  360 x  - 284 x + 23
                        - -----------------------------
                          (x - 1) (12 x - 1) (10 x - 1)



------------------------------------------------------------------------------

Sequence:  A016267
Score: 12.5471
Type of gen. func.: ogf


                                           1
                        - -----------------------------
                          (x - 1) (12 x - 1) (10 x - 1)



------------------------------------------------------------------------------

Sequence:  A016267
Score: 4.39148
Type of gen. func.: ogf


{a(n + 3) - 23 a(n + 2) + 142 a(n + 1) - 120 a(n), a(0) = 1, a(1) = 23,

    a(2) = 387}



------------------------------------------------------------------------------

Sequence:  A016267
Score: 4.42838
Type of gen. func.: ogf
```

$$(942541691 f(x) - 24737400) (120 f(x) x^3 - 142 f(x) x^2 + 23 f(x) x - f(x) + 1)$$

Sequence: A016268
Score: 11.5847
Type of gen. func.: lgdogf

$$- \frac{2 (198 x^2 - 155 x + 12)}{(x - 1) (12 x - 1) (11 x - 1)}$$

Sequence: A016268
Score: 12.6820
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (12 x - 1) (11 x - 1)}$$

Sequence: A016268
Score: 4.33044
Type of gen. func.: ogf

$$(48089433371 f(x) - 1145436336)$$

$$(132 f(x) x^3 - 155 f(x) x^2 + 24 f(x) x - f(x) + 1)$$

Sequence: A016268
Score: 4.43869
Type of gen. func.: ogf

$\{a(n + 3) - 24 a(n + 2) + 155 a(n + 1) - 132 a(n), a(0) = 1, a(1) = 24,$

$a(2) = 421\}$

Sequence: A016269
Score: 13.1675
Type of gen. func.: lgdogf

$$- \frac{72 x^2 - 52 x + 9}{(3 x - 1) (2 x - 1) (-1 + 4 x)}$$

Sequence: A016269
Score: 19.8910
Type of gen. func.: ogf

$$-\frac{1}{(3x-1)(2x-1)(-1+4x)}$$

Sequence: A016269
Score: 6.74565
Type of gen. func.: ogf

{a(n + 3) - 9 a(n + 2) + 26 a(n + 1) - 24 a(n), a(0) = 1, a(1) = 9, a(2) = 55}

Sequence: A016269
Score: 7.24999
Type of gen. func.: ogf

$$(5599 f(x) - 4104) (24 f(x) x^3 - 26 f(x) x^2 + 9 f(x) x - f(x) + 1)$$

Sequence: A016273
Score: 12.4109
Type of gen. func.: lgdogf

$$-\frac{2 (45 x^2 - 31 x + 5)}{(3x-1)(2x-1)(5x-1)}$$

Sequence: A016273
Score: 13.3310
Type of gen. func.: ogf

$$-\frac{1}{(3x-1)(2x-1)(5x-1)}$$

Sequence: A016273
Score: 4.55761
Type of gen. func.: ogf

$$\{a(n + 3) - 10 a(n + 2) + 31 a(n + 1) - 30 a(n), a(0) = 1, a(1) = 10, a(2) = 69\}$$

Sequence: A016273
Score: 6.27099
Type of gen. func.: ogf

$$(3304651 f(x) - 2054700) (30 f(x) x^3 - 31 f(x) x^2 + 10 f(x) x - f(x) + 1)$$

Sequence: A016276
Score: 12.5489
Type of gen. func.: lgdogf

$$- \frac{2 (9 x - 2) (7 x - 3)}{(3 x - 1) (2 x - 1) (7 x - 1)}$$

Sequence: A016276
Score: 13.4708
Type of gen. func.: ogf

$$- \frac{1}{(3 x - 1) (2 x - 1) (7 x - 1)}$$

Sequence: A016276
Score: 4.56638
Type of gen. func.: ogf

$$\{a(n + 3) - 12 a(n + 2) + 41 a(n + 1) - 42 a(n), a(0) = 1, a(1) = 12, a(2) = 103\}$$

Sequence: A016276
Score: 4.6855
Type of gen. func.: ogf

$$(15273173 f(x) - 7117740) (42 f(x) x^3 - 41 f(x) x^2 + 12 f(x) x - f(x) + 1)$$

Sequence: A016277
Score: 12.5808
Type of gen. func.: lgdogf

$$-\frac{144 x^2 - 92 x + 13}{(3 x - 1) (2 x - 1) (8 x - 1)}$$

Sequence: A016277
Score: 14.1333
Type of gen. func.: ogf

$$-\frac{1}{(3 x - 1) (2 x - 1) (8 x - 1)}$$

Sequence: A016277
Score: 4.79095
Type of gen. func.: ogf

$\{a(n + 3) - 13 a(n + 2) + 46 a(n + 1) - 48 a(n), a(0) = 1, a(1) = 13,$

$a(2) = 123\}$

Sequence: A016277
Score: 5.04761
Type of gen. func.: ogf

$$(890519 f(x) - 367200) (48 f(x) x^3 - 46 f(x) x^2 + 13 f(x) x - f(x) + 1)$$

Sequence: A016278
Score: 13.4212
Type of gen. func.: lgdogf

$$-\frac{2 (81 x^2 - 51 x + 7)}{(3 x - 1) (2 x - 1) (9 x - 1)}$$

Sequence: A016278
Score: 14.7222
Type of gen. func.: ogf

$$-\frac{1}{(3x-1)(2x-1)(9x-1)}$$

Sequence: A016278
Score: 4.99058
Type of gen. func.: ogf

{a(n + 3) - 14 a(n + 2) + 51 a(n + 1) - 54 a(n), a(0) = 1, a(1) = 14,

a(2) = 145}

Sequence: A016278
Score: 5.3053
Type of gen. func.: ogf

$$(204437 f(x) - 75492) (54 f(x) x^3 - 51 f(x) x^2 + 14 f(x) x - f(x) + 1)$$

Sequence: A016279
Score: 12.0753
Type of gen. func.: lgdogf

$$-\frac{180 x^2 - 112 x + 15}{(3x-1)(2x-1)(10x-1)}$$

Sequence: A016279
Score: 13.8738
Type of gen. func.: ogf

$$-\frac{1}{(3x-1)(2x-1)(10x-1)}$$

Sequence: A016279
Score: 4.70297
Type of gen. func.: ogf

{a(n + 3) - 15 a(n + 2) + 56 a(n + 1) - 60 a(n), a(0) = 1, a(1) = 15,

a(2) = 169}

Sequence: A016279
Score: 4.95492
Type of gen. func.: ogf

$$(640492 f(x) - 213975) (60 f(x) x^3 - 56 f(x) x^2 + 15 f(x) x - f(x) + 1)$$

Sequence: A016280
Score: 12.3498
Type of gen. func.: lgdogf

$$-\frac{2 (99 x^2 - 61 x + 8)}{(11 x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A016280
Score: 13.8738
Type of gen. func.: ogf

$$-\frac{1}{(11 x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A016280
Score: 4.70297
Type of gen. func.: ogf

$$\{a(n + 3) - 16 a(n + 2) + 61 a(n + 1) - 66 a(n), a(0) = 1, a(1) = 16, a(2) = 195\}$$

Sequence: A016280
Score: 4.82566
Type of gen. func.: ogf

$$(18474943 f(x) - 5632308) (66 f(x) x^3 - 61 f(x) x^2 + 16 f(x) x - f(x) + 1)$$

Sequence: A016281
Score: 11.2684
Type of gen. func.: lgdogf

$$-\frac{216 x^2 - 132 x + 17}{(12 x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A016281
Score: 12.6786
Type of gen. func.: ogf

$$-\frac{1}{(12 x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A016281
Score: 4.29784
Type of gen. func.: ogf

{a(n + 3) - 17 a(n + 2) + 66 a(n + 1) - 72 a(n), a(0) = 1, a(1) = 17,

a(2) = 223}

Sequence: A016281
Score: 4.69579
Type of gen. func.: ogf

$$(8421 f(x) - 2360) (72 f(x) x^3 - 66 f(x) x^2 + 17 f(x) x - f(x) + 1)$$

Sequence: A016282
Score: 18.1858
Type of gen. func.: ogf

$$-\frac{1}{(-1 + 4 x) (2 x - 1) (5 x - 1)}$$

Sequence: A016282
Score: 6.21738
Type of gen. func.: ogf

{a(n + 3) - 11 a(n + 2) + 38 a(n + 1) - 40 a(n), a(0) = 1, a(1) = 11, a(2) = 83

}

Sequence: A016282
Score: 6.49495
Type of gen. func.: ogf

$$(320439 f(x) - 172600) (40 f(x) x^3 - 38 f(x) x^2 + 11 f(x) x - f(x) + 1)$$

Sequence: A016283
Score: 12.3165
Type of gen. func.: ogf

$$- \frac{x^2}{(6 x - 1) (2 x - 1) (-1 + 4 x)}$$

Sequence: A016283
Score: 12.7580
Type of gen. func.: lgdogf

$$- \frac{4 (36 x^2 - 22 x + 3)}{(6 x - 1) (2 x - 1) (-1 + 4 x)}$$

Sequence: A016283
Score: 4.79580
Type of gen. func.: ogf

$$\{a(n + 3) - 12 a(n + 2) + 44 a(n + 1) - 48 a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A016283
Score: 6.45149
Type of gen. func.: ogf

$$48 f(x) x^3 - 44 f(x) x^2 + 12 f(x) x + x^2 - f(x)$$

Sequence: A016285
Score: 12.1124
Type of gen. func.: lgdogf

$$-\frac{168 x^2 - 100 x + 13}{(-1 + 4 x) (2 x - 1) (7 x - 1)}$$

Sequence: A016285
Score: 13.6180
Type of gen. func.: ogf

$$-\frac{1}{(-1 + 4 x) (2 x - 1) (7 x - 1)}$$

Sequence: A016285
Score: 4.61628
Type of gen. func.: ogf

$\{a(n + 3) - 13 a(n + 2) + 50 a(n + 1) - 56 a(n), a(0) = 1, a(1) = 13,$

$a(2) = 119\}$

Sequence: A016285
Score: 4.82054
Type of gen. func.: ogf

$$(1467237 f(x) - 592312) (56 f(x) x^3 - 50 f(x) x^2 + 13 f(x) x - f(x) + 1)$$

Sequence: A016290
Score: 17.9712
Type of gen. func.: lgdogf

$$-\frac{2 (96 x^2 - 56 x + 7)}{(8 x - 1) (2 x - 1) (-1 + 4 x)}$$

Sequence: A016290
Score: 19.6281
Type of gen. func.: ogf

$$-\frac{1}{(8 x - 1) (2 x - 1) (-1 + 4 x)}$$

Sequence: A016290
Score: 6.65359
Type of gen. func.: ogf

```
{a(n + 3) - 14 a(n + 2) + 56 a(n + 1) - 64 a(n), a(0) = 1, a(1) = 14,

    a(2) = 140}
```

Sequence: A016290
Score: 7.40684
Type of gen. func.: ogf

```
                                       3             2
       (381 f(x) - 136) (64 f(x) x  - 56 f(x) x  + 14 f(x) x - f(x) + 1)
```

Sequence: A016291
Score: 16.8511
Type of gen. func.: lgdogf

```
                                      2
                                 216 x  - 124 x + 15
                          - ------------------------------
                            (-1 + 4 x) (9 x - 1) (2 x - 1)
```

Sequence: A016291
Score: 18.4194
Type of gen. func.: ogf

```
                                          1
                          - ------------------------------
                            (-1 + 4 x) (9 x - 1) (2 x - 1)
```

Sequence: A016291
Score: 6.24385
Type of gen. func.: ogf

```
{a(n + 3) - 15 a(n + 2) + 62 a(n + 1) - 72 a(n), a(0) = 1, a(1) = 15,

    a(2) = 163}
```

Sequence: A016291
Score: 6.46293
Type of gen. func.: ogf

$$(4752835 f(x) - 1518264) (72 f(x) x^3 - 62 f(x) x^2 + 15 f(x) x - f(x) + 1)$$

Sequence: A016292
Score: 15.2449
Type of gen. func.: lgdogf

$$- \frac{8 (6 x - 1) (5 x - 2)}{(-1 + 4 x) (2 x - 1) (10 x - 1)}$$

Sequence: A016292
Score: 17.4501
Type of gen. func.: ogf

$$- \frac{1}{(-1 + 4 x) (2 x - 1) (10 x - 1)}$$

Sequence: A016292
Score: 5.91530
Type of gen. func.: ogf

{a(n + 3) - 16 a(n + 2) + 68 a(n + 1) - 80 a(n), a(0) = 1, a(1) = 16,

a(2) = 188}

Sequence: A016292
Score: 6.34551
Type of gen. func.: ogf

$$(34971 f(x) - 10100) (80 f(x) x^3 - 68 f(x) x^2 + 16 f(x) x - f(x) + 1)$$

Sequence: A016293
Score: 15.0438
Type of gen. func.: lgdogf

$$- \frac{264 x^2 - 148 x + 17}{(11 x - 1) (2 x - 1) (-1 + 4 x)}$$

Sequence: A016293
Score: 17.5999
Type of gen. func.: ogf

$$-\frac{1}{(11 x - 1) (2 x - 1) (-1 + 4 x)}$$

Sequence: A016293
Score: 5.96608
Type of gen. func.: ogf

$$\{a(n + 3) - 17 a(n + 2) + 74 a(n + 1) - 88 a(n), a(0) = 1, a(1) = 17, a(2) = 215\}$$

Sequence: A016293
Score: 6.12171
Type of gen. func.: ogf

$$(12344817 f(x) - 3251512) (88 f(x) x^3 - 74 f(x) x^2 + 17 f(x) x - f(x) + 1)$$

Sequence: A016294
Score: 11.3328
Type of gen. func.: lgdogf

$$-\frac{2 (144 x^2 - 80 x + 9)}{(12 x - 1) (-1 + 4 x) (2 x - 1)}$$

Sequence: A016294
Score: 12.7494
Type of gen. func.: ogf

$$-\frac{1}{(12 x - 1) (-1 + 4 x) (2 x - 1)}$$

Sequence: A016294
Score: 4.32185
Type of gen. func.: ogf

$$\{a(n + 3) - 18 a(n + 2) + 80 a(n + 1) - 96 a(n), a(0) = 1, a(1) = 18, a(2) = 244\}$$

Sequence: A016294
Score: 4.72202
Type of gen. func.: ogf

$$(9149 f(x) - 2214) (96 f(x) x^3 - 80 f(x) x^2 + 18 f(x) x - f(x) + 1)$$

Sequence: A016295
Score: 12.0517
Type of gen. func.: lgdogf

$$- \frac{180 x^2 - 104 x + 13}{(6 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A016295
Score: 13.2500
Type of gen. func.: ogf

$$- \frac{1}{(6 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A016295
Score: 4.49152
Type of gen. func.: ogf

$$\{a(n + 3) - 13 a(n + 2) + 52 a(n + 1) - 60 a(n), a(0) = 1, a(1) = 13, a(2) = 117\}$$

Sequence: A016295
Score: 4.86238
Type of gen. func.: ogf

$$(10303 f(x) - 4050) (60 f(x) x^3 - 52 f(x) x^2 + 13 f(x) x - f(x) + 1)$$

Sequence: A016296
Score: 12.3131
Type of gen. func.: lgdogf

$$-\frac{2\,(105\,x^2 - 59\,x + 7)}{(2\,x - 1)\,(7\,x - 1)\,(5\,x - 1)}$$

Sequence: A016296
Score: 13.8389
Type of gen. func.: ogf

$$-\frac{1}{(2\,x - 1)\,(7\,x - 1)\,(5\,x - 1)}$$

Sequence: A016296
Score: 4.69114
Type of gen. func.: ogf

{a(n + 3) - 14 a(n + 2) + 59 a(n + 1) - 70 a(n), a(0) = 1, a(1) = 14,

a(2) = 137}

Sequence: A016296
Score: 4.73124
Type of gen. func.: ogf

$$(121396119\,f(x) - 41566700)\,(70\,f(x)\,x^3 - 59\,f(x)\,x^2 + 14\,f(x)\,x - f(x) + 1)$$

Sequence: A016297
Score: 12.9154
Type of gen. func.: lgdogf

$$-\frac{3\,(80\,x^2 - 44\,x + 5)}{(2\,x - 1)\,(8\,x - 1)\,(5\,x - 1)}$$

Sequence: A016297
Score: 14.5014

Type of gen. func.: ogf

$$-\frac{1}{(2x-1)(8x-1)(5x-1)}$$

Sequence: A016297
Score: 4.91572
Type of gen. func.: ogf

{a(n + 3) - 15 a(n + 2) + 66 a(n + 1) - 80 a(n), a(0) = 1, a(1) = 15,

a(2) = 159}

Sequence: A016297
Score: 5.17906
Type of gen. func.: ogf

$$(335933 f(x) - 101600) (80 f(x) x^3 - 66 f(x) x^2 + 15 f(x) x - f(x) + 1)$$

Sequence: A016298
Score: 12.1664
Type of gen. func.: lgdogf

$$-\frac{2 (135 x^2 - 73 x + 8)}{(9x-1)(2x-1)(5x-1)}$$

Sequence: A016298
Score: 13.3680
Type of gen. func.: ogf

$$-\frac{1}{(9x-1)(2x-1)(5x-1)}$$

Sequence: A016298
Score: 4.53151
Type of gen. func.: ogf

{a(n + 3) - 16 a(n + 2) + 73 a(n + 1) - 90 a(n), a(0) = 1, a(1) = 16,

a(2) = 183}

Sequence: A016298
Score: 4.53152
Type of gen. func.: ogf

$$(392618773 f(x) - 106166700) (90 f(x) x^3 - 73 f(x) x^2 + 16 f(x) x - f(x) + 1)$$

Sequence: A016299
Score: 12.0753
Type of gen. func.: lgdogf

$$- \frac{300 x^2 - 160 x + 17}{(2 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A016299
Score: 13.5354
Type of gen. func.: ogf

$$- \frac{1}{(2 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A016299
Score: 4.66345
Type of gen. func.: ogf

$\{a(n + 3) - 17 a(n + 2) + 80 a(n + 1) - 100 a(n), a(0) = 1, a(1) = 17,$

$a(2) = 209\}$

Sequence: A016299
Score: 5.13844
Type of gen. func.: ogf

$$(1617 f(x) - 395) (100 f(x) x^3 - 80 f(x) x^2 + 17 f(x) x - f(x) + 1)$$

Sequence: A016301
Score: 12.7714

Type of gen. func.: lgdogf

$$-\frac{6\,(55\,x^2 - 29\,x + 3)}{(5\,x - 1)\,(2\,x - 1)\,(11\,x - 1)}$$

Sequence: A016301
Score: 13.6764
Type of gen. func.: ogf

$$-\frac{1}{(5\,x - 1)\,(2\,x - 1)\,(11\,x - 1)}$$

Sequence: A016301
Score: 4.71203
Type of gen. func.: ogf

{a(n + 3) - 18 a(n + 2) + 87 a(n + 1) - 110 a(n), a(0) = 1, a(1) = 18,

a(2) = 237}

Sequence: A016301
Score: 4.75197
Type of gen. func.: ogf

$$(113214283\,f(x) - 25204300)\,(110\,f(x)\,x^3 - 87\,f(x)\,x^2 + 18\,f(x)\,x - f(x) + 1)$$

Sequence: A016302
Score: 12.5076
Type of gen. func.: ogf

$$-\frac{1}{(12\,x - 1)\,(2\,x - 1)\,(5\,x - 1)}$$

Sequence: A016302
Score: 4.30934
Type of gen. func.: ogf

{a(n + 3) - 19 a(n + 2) + 94 a(n + 1) - 120 a(n), a(0) = 1, a(1) = 19,

a(2) = 267}

Sequence: A016302
Score: 4.42079
Type of gen. func.: ogf

$$(48316067 f(x) - 9876600) (120 f(x) x^3 - 94 f(x) x^2 + 19 f(x) x - f(x) + 1)$$

Sequence: A016304
Score: 12.5808
Type of gen. func.: lgdogf

$$- \frac{252 x^2 - 136 x + 15}{(6 x - 1) (2 x - 1) (7 x - 1)}$$

Sequence: A016304
Score: 14.1333
Type of gen. func.: ogf

$$- \frac{1}{(6 x - 1) (2 x - 1) (7 x - 1)}$$

Sequence: A016304
Score: 4.79095
Type of gen. func.: ogf

$\{a(n + 3) - 15 a(n + 2) + 68 a(n + 1) - 84 a(n), a(0) = 1, a(1) = 15,$

$a(2) = 157\}$

Sequence: A016304
Score: 4.95906
Type of gen. func.: ogf

$$(4268225 f(x) - 1251558) (84 f(x) x^3 - 68 f(x) x^2 + 15 f(x) x - f(x) + 1)$$

Sequence: A016305
Score: 13.0492

Type of gen. func.: lgdogf

```
                             2
                     8 (36 x  - 19 x + 2)
              - -----------------------------
                (6 x - 1) (8 x - 1) (2 x - 1)
```

Sequence: A016305
Score: 14.6486
Type of gen. func.: ogf

```
                                 1
              - -----------------------------
                (6 x - 1) (8 x - 1) (2 x - 1)
```

Sequence: A016305
Score: 4.96563
Type of gen. func.: ogf

```
{a(n + 3) - 16 a(n + 2) + 76 a(n + 1) - 96 a(n), a(0) = 1, a(1) = 16,

    a(2) = 180}
```

Sequence: A016305
Score: 5.23164
Type of gen. func.: ogf

```
                                       3             2
    (495859 f(x) - 128304) (96 f(x) x  - 76 f(x) x  + 16 f(x) x - f(x) + 1)
```

Sequence: A016306
Score: 12.3009
Type of gen. func.: lgdogf

```
                            2
                      324 x  - 168 x + 17
              - -----------------------------
                (6 x - 1) (2 x - 1) (9 x - 1)
```

Sequence: A016306
Score: 13.1829
Type of gen. func.: ogf

```
                                 1
              - -----------------------------
```

$$(6 x - 1) (2 x - 1) (9 x - 1)$$

Sequence: A016306
Score: 4.54201
Type of gen. func.: ogf

$$\{a(n + 3) - 17 a(n + 2) + 84 a(n + 1) - 108 a(n), a(0) = 1, a(1) = 17, a(2) = 205\}$$

Sequence: A016306
Score: 4.86937
Type of gen. func.: ogf

$$(56767 f(x) - 13122) (108 f(x) x^3 - 84 f(x) x^2 + 17 f(x) x - f(x) + 1)$$

Sequence: A016307
Score: 12.0753
Type of gen. func.: lgdogf

$$- \frac{2 (180 x^2 - 92 x + 9)}{(6 x - 1) (2 x - 1) (10 x - 1)}$$

Sequence: A016307
Score: 13.5354
Type of gen. func.: ogf

$$- \frac{1}{(6 x - 1) (2 x - 1) (10 x - 1)}$$

Sequence: A016307
Score: 4.66345
Type of gen. func.: ogf

$$\{a(n + 3) - 18 a(n + 2) + 92 a(n + 1) - 120 a(n), a(0) = 1, a(1) = 18, a(2) = 232\}$$

Sequence: A016307
Score: 4.86799
Type of gen. func.: ogf

$$(1420013 f(x) - 296325) (120 f(x) x^3 - 92 f(x) x^2 + 18 f(x) x - f(x) + 1)$$

Sequence: A016308
Score: 11.0753
Type of gen. func.: lgdogf

$$- \frac{396 x^2 - 200 x + 19}{(6 x - 1) (2 x - 1) (11 x - 1)}$$

Sequence: A016308
Score: 11.8725
Type of gen. func.: ogf

$$- \frac{1}{(6 x - 1) (2 x - 1) (11 x - 1)}$$

Sequence: A016308
Score: 4.15538
Type of gen. func.: ogf

$$\{a(n + 3) - 19 a(n + 2) + 100 a(n + 1) - 132 a(n), a(0) = 1, a(1) = 19, a(2) = 261\}$$

Sequence: A016308
Score: 4.26193
Type of gen. func.: ogf

$$(35786569 f(x) - 6801894) (132 f(x) x^3 - 100 f(x) x^2 + 19 f(x) x - f(x) + 1)$$

Sequence: A016309
Score: 10.9633
Type of gen. func.: lgdogf

$$4 (108 x^2 - 54 x + 5)$$

$$-\frac{}{(12 x - 1) (6 x - 1) (2 x - 1)}$$

Sequence: A016309
Score: 12.2772
Type of gen. func.: ogf

$$-\frac{1}{(12 x - 1) (6 x - 1) (2 x - 1)}$$

Sequence: A016309
Score: 4.29703
Type of gen. func.: ogf

{a(n + 3) - 20 a(n + 2) + 108 a(n + 1) - 144 a(n), a(0) = 1, a(1) = 20,

a(2) = 292}

Sequence: A016309
Score: 4.77449
Type of gen. func.: ogf

$$(665 f(x) - 116) (144 f(x) x^3 - 108 f(x) x^2 + 20 f(x) x - f(x) + 1)$$

Sequence: A016311
Score: 12.0992
Type of gen. func.: lgdogf

$$-\frac{336 x^2 - 172 x + 17}{(2 x - 1) (8 x - 1) (7 x - 1)}$$

Sequence: A016311
Score: 12.9714
Type of gen. func.: ogf

$$-\frac{1}{(2 x - 1) (8 x - 1) (7 x - 1)}$$

Sequence: A016311
Score: 4.46914
Type of gen. func.: ogf

$\{a(n + 3) - 17 a(n + 2) + 86 a(n + 1) - 112 a(n), a(0) = 1, a(1) = 17, a(2) = 203\}$

Sequence: A016311
Score: 4.58473
Type of gen. func.: ogf

$$(32060379 f(x) - 7204960) (112 f(x) x^3 - 86 f(x) x^2 + 17 f(x) x - f(x) + 1)$$

Sequence: A016312
Score: 12.2841
Type of gen. func.: lgdogf

$$- \frac{2 (189 x^2 - 95 x + 9)}{(9 x - 1) (2 x - 1) (7 x - 1)}$$

Sequence: A016312
Score: 13.4649
Type of gen. func.: ogf

$$- \frac{1}{(9 x - 1) (2 x - 1) (7 x - 1)}$$

Sequence: A016312
Score: 4.60051
Type of gen. func.: ogf

$$(1783522379 f(x) - 357829164) (126 f(x) x^3 - 95 f(x) x^2 + 18 f(x) x - f(x) + 1)$$

Sequence: A016312
Score: 4.63917
Type of gen. func.: ogf

$\{a(n + 3) - 18 a(n + 2) + 95 a(n + 1) - 126 a(n), a(0) = 1, a(1) = 18,$

$a(2) = 229\}$

Sequence: A016313
Score: 12.0753
Type of gen. func.: lgdogf

$$-\frac{420 x^2 - 208 x + 19}{(2 x - 1) (7 x - 1) (10 x - 1)}$$

Sequence: A016313
Score: 13.2131
Type of gen. func.: ogf

$$-\frac{1}{(2 x - 1) (7 x - 1) (10 x - 1)}$$

Sequence: A016313
Score: 4.62459
Type of gen. func.: ogf

$\{a(n + 3) - 19 a(n + 2) + 104 a(n + 1) - 140 a(n), a(0) = 1, a(1) = 19,$

$a(2) = 257\}$

Sequence: A016313
Score: 4.74317
Type of gen. func.: ogf

$$(22947438 f(x) - 4153975) (140 f(x) x^3 - 104 f(x) x^2 + 19 f(x) x - f(x) + 1)$$

Sequence: A016314
Score: 10.7169
Type of gen. func.: lgdogf

$$-\frac{2 (231 x^2 - 113 x + 10)}{(7 x - 1) (2 x - 1) (11 x - 1)}$$

Sequence: A016314
Score: 12.0074
Type of gen. func.: ogf

$$-\frac{1}{(7 x - 1) (2 x - 1) (11 x - 1)}$$

Sequence: A016314
Score: 4.16787
Type of gen. func.: ogf

$$(4626148605 f(x) - 762398252)$$

$$(154 f(x) x^3 - 113 f(x) x^2 + 20 f(x) x - f(x) + 1)$$

Sequence: A016314
Score: 4.20259
Type of gen. func.: ogf

$$\{a(n + 3) - 20 a(n + 2) + 113 a(n + 1) - 154 a(n), a(0) = 1, a(1) = 20, a(2) = 287\}$$

Sequence: A016315
Score: 11.2699
Type of gen. func.: lgdogf

$$-\frac{504 x^2 - 244 x + 21}{(12 x - 1) (2 x - 1) (7 x - 1)}$$

Sequence: A016315
Score: 12.3447
Type of gen. func.: ogf

$$-\frac{1}{(12 x - 1) (2 x - 1) (7 x - 1)}$$

Sequence: A016315
Score: 4.32064

Type of gen. func.: ogf

```
{a(n + 3) - 21 a(n + 2) + 122 a(n + 1) - 168 a(n), a(0) = 1, a(1) = 21,

    a(2) = 319}
```

Sequence: A016315
Score: 4.35696
Type of gen. func.: ogf

```
                                            3             2
 (219327097 f(x) - 33159672) (168 f(x) x  - 122 f(x) x  + 21 f(x) x - f(x) + 1)
```

Sequence: A016316
Score: 12.0753
Type of gen. func.: lgdogf

```
                                        2
                                   432 x  - 212 x + 19
                            - -----------------------------
                              (8 x - 1) (2 x - 1) (9 x - 1)
```

Sequence: A016316
Score: 13.2131
Type of gen. func.: ogf

```
                                            1
                            - -----------------------------
                              (8 x - 1) (2 x - 1) (9 x - 1)
```

Sequence: A016316
Score: 4.62459
Type of gen. func.: ogf

```
{a(n + 3) - 19 a(n + 2) + 106 a(n + 1) - 144 a(n), a(0) = 1, a(1) = 19,

    a(2) = 255}
```

Sequence: A016316
Score: 5.86559
Type of gen. func.: ogf

```
                                            3             2
 (103554053 f(x) - 18296928) (144 f(x) x  - 106 f(x) x  + 19 f(x) x - f(x) + 1)
```

Sequence: A016317
Score: 11.8128
Type of gen. func.: lgdogf

$$-\frac{4\,(120\,x^2 - 58\,x + 5)}{(2\,x - 1)\,(8\,x - 1)\,(10\,x - 1)}$$

Sequence: A016317
Score: 13.2131
Type of gen. func.: ogf

$$-\frac{1}{(2\,x - 1)\,(8\,x - 1)\,(10\,x - 1)}$$

Sequence: A016317
Score: 4.62459
Type of gen. func.: ogf

{a(n + 3) - 20 a(n + 2) + 116 a(n + 1) - 160 a(n), a(0) = 1, a(1) = 20,

a(2) = 284}

Sequence: A016317
Score: 4.82566
Type of gen. func.: ogf

$$(5329149\,f(x) - 849200)\,(160\,f(x)\,x^3 - 116\,f(x)\,x^2 + 20\,f(x)\,x - f(x) + 1)$$

Sequence: A016318
Score: 12.2098
Type of gen. func.: ogf

$$-\frac{1}{(11\,x - 1)\,(8\,x - 1)\,(2\,x - 1)}$$

Sequence: A016318
Score: 4.27342

Type of gen. func.: ogf

$$\{a(n+3) - 21\, a(n+2) + 126\, a(n+1) - 176\, a(n),\ a(0) = 1,\ a(1) = 21,\ a(2) = 315\}$$

Sequence: A016318
Score: 4.38301
Type of gen. func.: ogf

$$(12789283\, f(x) - 1854688)\, (176\, f(x)\, x^3 - 126\, f(x)\, x^2 + 21\, f(x)\, x - f(x) + 1)$$

Sequence: A016320
Score: 11.0865
Type of gen. func.: lgdogf

$$-\frac{2\,(288\, x^2 - 136\, x + 11)}{(12\, x - 1)\,(2\, x - 1)\,(8\, x - 1)}$$

Sequence: A016320
Score: 12.4122
Type of gen. func.: ogf

$$-\frac{1}{(12\, x - 1)\,(2\, x - 1)\,(8\, x - 1)}$$

Sequence: A016320
Score: 4.34426
Type of gen. func.: ogf

$$\{a(n+3) - 22\, a(n+2) + 136\, a(n+1) - 192\, a(n),\ a(0) = 1,\ a(1) = 22,\ a(2) = 348\}$$

Sequence: A016320
Score: 4.6965
Type of gen. func.: ogf

$$(56843\, f(x) - 7560)\, (192\, f(x)\, x^3 - 136\, f(x)\, x^2 + 22\, f(x)\, x - f(x) + 1)$$

Sequence: A016321
Score: 12.5468
Type of gen. func.: lgdogf

$$-\frac{540 x^2 - 256 x + 21}{(9 x - 1) (2 x - 1) (10 x - 1)}$$

Sequence: A016321
Score: 13.4196
Type of gen. func.: ogf

$$-\frac{1}{(9 x - 1) (2 x - 1) (10 x - 1)}$$

Sequence: A016321
Score: 4.69685
Type of gen. func.: ogf

$$\{a(n + 3) - 21 a(n + 2) + 128 a(n + 1) - 180 a(n), a(0) = 1, a(1) = 21, a(2) = 313\}$$

Sequence: A016321
Score: 4.77646
Type of gen. func.: ogf

$$(74102551 f(x) - 10527975) (180 f(x) x^3 - 128 f(x) x^2 + 21 f(x) x - f(x) + 1)$$

Sequence: A016322
Score: 11.0249
Type of gen. func.: lgdogf

$$-\frac{2 (297 x^2 - 139 x + 11)}{(11 x - 1) (2 x - 1) (9 x - 1)}$$

Sequence: A016322

Score: 12.3447
Type of gen. func.: ogf

$$-\frac{1}{(11 x - 1) (2 x - 1) (9 x - 1)}$$

Sequence: A016322
Score: 4.21527
Type of gen. func.: ogf

$$(14937920359 f(x) - 1930836204)$$

$$(198 f(x) x^3 - 139 f(x) x^2 + 22 f(x) x - f(x) + 1)$$

Sequence: A016322
Score: 4.32064
Type of gen. func.: ogf

$\{a(n + 3) - 22 a(n + 2) + 139 a(n + 1) - 198 a(n), a(0) = 1, a(1) = 22,$

$a(2) = 345\}$

Sequence: A016324
Score: 11.5904
Type of gen. func.: lgdogf

$$-\frac{648 x^2 - 300 x + 23}{(12 x - 1) (9 x - 1) (2 x - 1)}$$

Sequence: A016324
Score: 12.4122
Type of gen. func.: ogf

$$-\frac{1}{(12 x - 1) (9 x - 1) (2 x - 1)}$$

Sequence: A016324
Score: 4.34426
Type of gen. func.: ogf

$\{a(n + 3) - 23 a(n + 2) + 150 a(n + 1) - 216 a(n), a(0) = 1, a(1) = 23,$

$a(2) = 379\}$

Sequence: A016324
Score: 4.53314
Type of gen. func.: ogf

$$(2914309 f(x) - 345384) (216 f(x) x^3 - 150 f(x) x^2 + 23 f(x) x - f(x) + 1)$$

Sequence: A016325
Score: 11.0865
Type of gen. func.: lgdogf

$$- \frac{660 x^2 - 304 x + 23}{(2 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A016325
Score: 12.4122
Type of gen. func.: ogf

$$- \frac{1}{(2 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A016325
Score: 4.34426
Type of gen. func.: ogf

$\{a(n + 3) - 23 a(n + 2) + 152 a(n + 1) - 220 a(n), a(0) = 1, a(1) = 23,$

$a(2) = 377\}$

Sequence: A016325
Score: 4.45565
Type of gen. func.: ogf

$$(27453072 f(x) - 3197425) (220 f(x) x^3 - 152 f(x) x^2 + 23 f(x) x - f(x) + 1)$$

Sequence: A016326
Score: 11.5217
Type of gen. func.: lgdogf

$$-\frac{8\,(90\,x^{2} - 41\,x + 3)}{(12\,x - 1)\,(2\,x - 1)\,(10\,x - 1)}$$

Sequence: A016326
Score: 12.6145
Type of gen. func.: ogf

$$-\frac{1}{(12\,x - 1)\,(2\,x - 1)\,(10\,x - 1)}$$

Sequence: A016326
Score: 4.41508
Type of gen. func.: ogf

$$\{a(n + 3) - 24\,a(n + 2) + 164\,a(n + 1) - 240\,a(n),\ a(0) = 1,\ a(1) = 24,\ a(2) = 412\}$$

Sequence: A016326
Score: 4.5283
Type of gen. func.: ogf

$$(36441461\,f(x) - 3890700)\,(240\,f(x)\,x^{3} - 164\,f(x)\,x^{2} + 24\,f(x)\,x - f(x) + 1)$$

Sequence: A016332
Score: 22.3867
Type of gen. func.: ogf_with_Euler_transform]

$$x^{18} + x^{6} - 1$$

Sequence: A016332
Score: 5.26012
Type of gen. func.: ogf

6 5 4 3 2 18 17 16 15 14

```
- 1/((x - 1) (x  + x  + x  + x  + x  + x + 1) (x   + x   + x   + x   + x

        13    12    11    10     9    8    7    6    5    4    3    2
     + x   + x   + x   + x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1))
```

Sequence: A016335
Score: 19.2244
Type of gen. func.: ogf_with_Euler_transform]

$$x^{12} + x^{10} - 1$$

Sequence: A016338
Score: 7.48004
Type of gen. func.: ogf_with_Euler_transform]

$$x^{21} + x^{13} - x^{10} - x^{6} - x + 1$$

Sequence: A016341
Score: 19.8652
Type of gen. func.: ogf_with_Euler_transform]

$$x^{22} + x^{6} - 1$$

Sequence: A016344
Score: 5.05566
Type of gen. func.: ogf

$$1/((x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x^{16} - x^{15} + x^{14} - x^{13} + x^{12} - x^{11} + x^{10} - x^{9} + x^{8} - x^{7} + x^{6} - x^{5} + x^{4} - x^{3} + x^{2} - x + 1))$$

Sequence: A016347
Score: 4.17485
Type of gen. func.: ogf

$$-\frac{x^{18} - x^{6} - 1}{(x^{8} + 1) (x^{16} - x^{8} + 1)}$$

Sequence: A016351
Score: 15.8318
Type of gen. func.: ogf_with_Euler_transform]

$$x^{16} + x^{10} - 1$$

Sequence: A016352
Score: 4.88382
Type of gen. func.: ogf

$$1/((x + 1) (x^4 - x^3 + x^2 - x + 1) (x^{18} - x^{17} + x^{16} - x^{15} + x^{14} - x^{13} + x^{12} - x^{11} + x^{10} - x^9 + x^8 - x^7 + x^6 - x^5 + x^4 - x^3 + x^2 - x + 1))$$

Sequence: A016356
Score: 17.8108
Type of gen. func.: ogf_with_Euler_transform]

$$x^{18} + x^{10} - 1$$

Sequence: A016359
Score: 4.52897
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^8 - x^6 + x^4 - x^2 + 1) (x^{20} - x^{18} + x^{16} - x^{14} + x^{12} - x^{10} + x^8 - x^6 + x^4 - x^2 + 1))$$

Sequence: A016360
Score: 16.3973
Type of gen. func.: ogf_with_Euler_transform]

$$x^{16} + x^{12} - 1$$

Sequence: A016361

Score: 7.01947
Type of gen. func.: ogf

$$1/((x + 1) (x^4 - x^3 + x^2 - x + 1) (x^{22} - x^{21} + x^{20} - x^{19} + x^{18} - x^{17} + x^{16} - x^{15} + x^{14} - x^{13} + x^{12} - x^{11} + x^{10} - x^9 + x^8 - x^7 + x^6 - x^5 + x^4 - x^3 + x^2 - x + 1))$$

Sequence: A016364
Score: 15.2664
Type of gen. func.: ogf_with_Euler_transform]

$$x^{18} + x^{12} - 1$$

Sequence: A016365
Score: 13.9942
Type of gen. func.: ogf_with_Euler_transform]

$$x^{22} + x^{10} - 1$$

Sequence: A016368
Score: 4.97739
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^8 - x^6 + x^4 - x^2 + 1) (x^{24} - x^{22} + x^{20} - x^{18} + x^{16} - x^{14} + x^{12} - x^{10} + x^8 - x^6 + x^4 - x^2 + 1))$$

Sequence: A016369
Score: 4.85516
Type of gen. func.: ogf

$$1/((x + 1) (x^6 - x^5 + x^4 - x^3 + x^2 - x + 1) (x^{18} - x^{17} + x^{16} - x^{15} + x^{14} - x^{13} + x^{12} - x^{11} + x^{10} - x^9 + x^8 - x^7 + x^6 - x^5 + x^4 - x^3 + x^2 - x + 1))$$

Sequence: A016376
Score: 16.3973
Type of gen. func.: ogf_with_Euler_transform]

$$x^{22} + x^{12} - 1$$

Sequence: A016382
Score: 4.81972
Type of gen. func.: ogf

$$1/((x + 1) (x^{6} - x^{5} + x^{4} - x^{3} + x^{2} - x + 1) (x^{22} - x^{21} + x^{20} - x^{19} + x^{18} - x^{17} + x^{16} - x^{15} + x^{14} - x^{13} + x^{12} - x^{11} + x^{10} - x^{9} + x^{8} - x^{7} + x^{6} - x^{5} + x^{4} - x^{3} + x^{2} - x + 1))$$

Sequence: A016383
Score: 16.1145
Type of gen. func.: ogf_with_Euler_transform]

$$x^{18} + x^{16} - 1$$

Sequence: A016399
Score: 15.1251
Type of gen. func.: ogf_with_Euler_transform]

$$x^{22} + x^{16} - 1$$

Sequence: A016411
Score: 15.1251
Type of gen. func.: ogf_with_Euler_transform]

$$x^{22} + x^{18} - 1$$

Sequence: A016633
Score: 10.2278
Type of gen. func.: lgdogf

$$-\frac{792 x^2 - 356 x + 25}{(2 x - 1) (12 x - 1) (11 x - 1)}$$

Sequence: A016633
Score: 11.2224
Type of gen. func.: ogf

$$-\frac{1}{(2 x - 1) (12 x - 1) (11 x - 1)}$$

Sequence: A016633
Score: 3.89537
Type of gen. func.: ogf

$$(1836445205 f(x) - 178273656)$$

$$(264 f(x) x^3 - 178 f(x) x^2 + 25 f(x) x - f(x) + 1)$$

Sequence: A016633
Score: 3.92783
Type of gen. func.: ogf

$\{a(n + 3) - 25 a(n + 2) + 178 a(n + 1) - 264 a(n), a(0) = 1, a(1) = 25,$

$a(2) = 447\}$

Sequence: A016724
Score: 11.0206
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^4 + 6 x^3 - 10 x^2 + 2 x + 1)}{(x - 1) (2 x^2 - 1) (x^2 + 2 x - 2)}$$

Sequence: A016724
Score: 4.87358
Type of gen. func.: ogf

$$(31 f(x) - 959)$$

$$(2 f(x) x^4 - 4 f(x) x^3 + f(x) x^2 + 2 f(x) x - x^2 - f(x) - 2 x + 2)$$

Sequence: A016724
Score: 9.32336
Type of gen. func.: ogf

$$\frac{x^2 + 2 x - 2}{(2 x^2 - 1) (x - 1)^2}$$

Sequence: A016742
Score: 14.4549
Type of gen. func.: ogf

$$- \frac{4 x (x + 1)}{(x - 1)^3}$$

Sequence: A016742
Score: 39.0157
Type of gen. func.: ogf_with_Euler_transform]

[4 - x]

Sequence: A016742
Score: 40.6191
Type of gen. func.: lgdogf

$$- \frac{2 (x + 2)}{(x - 1) (x + 1)}$$

Sequence: A016742
Score: 7.35654
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 4, a(2) = 16\}$

Sequence: A016742
Score: 7.7003
Type of gen. func.: ogf

$$(f(x) + 1) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) + 4 x)$$

Sequence: A016743
Score: 22.1098
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + 7 x + 4)}{(x - 1) (x^2 + 4 x + 1)}$$

Sequence: A016743
Score: 3.60895
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-2 + 3 n) a(n + 3) + (-17 - 3 n) a(n + 2)$$

$$+ (-2 - n) a(n + 1), a(0) = 0, a(1) = 8, a(2) = 64, a(3) = 216\}$$

Sequence: A016743
Score: 5.02224
Type of gen. func.: ogf

$$-(165 f(x) + 2174)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 8 x^3 - 4 f(x) x - 32 x^2 + f(x) - 8 x)$$

Sequence: A016743
Score: 9.70515
Type of gen. func.: ogf

$$\frac{8 x (x^2 + 4 x + 1)}{(x - 1)^4}$$

Sequence: A016744
Score: 11.8539

Type of gen. func.: lgdogf

$$-\frac{2\,(x^3+18\,x^2+33\,x+8)}{(x-1)\,(x+1)\,(x^2+10\,x+1)}$$

Sequence: A016744
Score: 5.84442
Type of gen. func.: ogf

$$-\frac{16\,x\,(x+1)\,(x^2+10\,x+1)}{(x-1)^5}$$

Sequence: A016745
Score: 4.74344
Type of gen. func.: ogf

$$\frac{32\,x\,(x^4+26\,x^3+66\,x^2+26\,x+1)}{(x-1)^6}$$

Sequence: A016745
Score: 8.39347
Type of gen. func.: lgdogf

$$-\frac{2\,(x^4+41\,x^3+171\,x^2+131\,x+16)}{(x-1)\,(x^4+26\,x^3+66\,x^2+26\,x+1)}$$

Sequence: A016746
Score: 3.61187
Type of gen. func.: ogf

$$-\frac{64\,x\,(x+1)\,(x^4+56\,x^3+246\,x^2+56\,x+1)}{(x-1)^7}$$

Sequence: A016746
Score: 6.17638
Type of gen. func.: lgdogf

$$-\frac{2\,(x^{5}+88\,x^{4}+718\,x^{3}+1208\,x^{2}+473\,x+32)}{(x-1)\,(x+1)\,(x^{4}+56\,x^{3}+246\,x^{2}+56\,x+1)}$$

Sequence: A016747
Score: 3.15351
Type of gen. func.: ogf

$$\frac{128\,x\,(x^{6}+120\,x^{5}+1191\,x^{4}+2416\,x^{3}+1191\,x^{2}+120\,x+1)}{(x-1)^{8}}$$

Sequence: A016753
Score: 11.2300
Type of gen. func.: lgdogf

$$-\frac{2\,(9\,x-2)\,(10\,x-3)}{(-1+4\,x)\,(3\,x-1)\,(5\,x-1)}$$

Sequence: A016753
Score: 12.3666
Type of gen. func.: ogf

$$-\frac{1}{(-1+4\,x)\,(3\,x-1)\,(5\,x-1)}$$

Sequence: A016753
Score: 4.22791
Type of gen. func.: ogf

$\{a(n + 3) - 12\, a(n + 2) + 47\, a(n + 1) - 60\, a(n),\ a(0) = 1,\ a(1) = 12,\ a(2) = 97\}$

Sequence: A016753
Score: 4.33917
Type of gen. func.: ogf

$$(3157481 f(x) - 2667600) (60 f(x) x^{3} - 47 f(x) x^{2} + 12 f(x) x - f(x) + 1)$$

Sequence: A016754
Score: 12.4072
Type of gen. func.: ogf

$$- \frac{x^{2} + 6 x + 1}{(x - 1)^{3}}$$

Sequence: A016754
Score: 23.9258
Type of gen. func.: lgdogf

$$- \frac{x^{2} + 14 x + 9}{(x - 1) (x^{2} + 6 x + 1)}$$

Sequence: A016754
Score: 6.63893
Type of gen. func.: ogf

$$(39 f(x) - 154) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + x^{2} - f(x) + 6 x + 1)$$

Sequence: A016754
Score: 6.69768
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 9, a(2) = 25\}$$

Sequence: A016755
Score: 12.0851
Type of gen. func.: lgdogf

3 2

$$-\frac{x + 49 x + 115 x + 27}{(x - 1) (x + 1) (x^2 + 22 x + 1)}$$

Sequence: A016755
Score: 5.6557
Type of gen. func.: ogf

$$(1728 f(x) + 31973)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 23 x^2 + f(x) - 23 x - 1)$$

Sequence: A016755
Score: 7.36209
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 22 x + 1)}{(x - 1)^4}$$

Sequence: A016756
Score: 5.75927
Type of gen. func.: ogf

$$-\frac{x^4 + 76 x^3 + 230 x^2 + 76 x + 1}{(x - 1)^5}$$

Sequence: A016756
Score: 8.57131
Type of gen. func.: lgdogf

$$-\frac{x^4 + 156 x^3 + 918 x^2 + 764 x + 81}{(x - 1) (x^4 + 76 x^3 + 230 x^2 + 76 x + 1)}$$

Sequence: A016757
Score: 4.62613
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + 236 x^3 + 1446 x^2 + 236 x + 1)}{(x - 1)^6}$$

Sequence: A016757
Score: 6.34306
Type of gen. func.: lgdogf

$$- \frac{x^5 + 479 x^4 + 5994 x^3 + 11774 x^2 + 4549 x + 243}{(x - 1) (x + 1) (x^4 + 236 x^3 + 1446 x^2 + 236 x + 1)}$$

Sequence: A016758
Score: 3.61554
Type of gen. func.: ogf

$$- \frac{x^6 + 722 x^5 + 10543 x^4 + 23548 x^3 + 10543 x^2 + 722 x + 1}{(x - 1)^7}$$

Sequence: A016759
Score: 3.18692
Type of gen. func.: ogf

$$\frac{(x + 1) (x^6 + 2178 x^5 + 58479 x^4 + 201244 x^3 + 58479 x^2 + 2178 x + 1)}{(x - 1)^8}$$

Sequence: A016765
Score: 16.3897
Type of gen. func.: lgdogf

$$- \frac{216 x^2 - 108 x + 13}{(6 x - 1) (3 x - 1) (-1 + 4 x)}$$

Sequence: A016765
Score: 17.9280
Type of gen. func.: ogf

$$-\frac{1}{(6 x - 1) (3 x - 1) (-1 + 4 x)}$$

Sequence: A016765
Score: 6.07730
Type of gen. func.: ogf

$$\{a(n + 3) - 13 a(n + 2) + 54 a(n + 1) - 72 a(n), a(0) = 1, a(1) = 13, a(2) = 115\}$$

Sequence: A016765
Score: 6.64002
Type of gen. func.: ogf

$$(2023 f(x) - 1528) (72 f(x) x^3 - 54 f(x) x^2 + 13 f(x) x - f(x) + 1)$$

Sequence: A016766
Score: 13.7911
Type of gen. func.: ogf

$$-\frac{9 x (x + 1)}{(x - 1)^3}$$

Sequence: A016766
Score: 37.1987
Type of gen. func.: ogf_with_Euler_transform]

$$[4 - x]$$

Sequence: A016766
Score: 38.7404
Type of gen. func.: lgdogf

$$-\frac{2 (x + 2)}{(x - 1) (x + 1)}$$

Sequence: A016766
Score: 7.01867
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 9, a(2) = 36\}$$

Sequence: A016766
Score: 7.34664
Type of gen. func.: ogf

$$(4 f(x) + 9) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 9 x^2 - f(x) + 9 x)$$

Sequence: A016767
Score: 17.9940
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 + 7 x + 4)}{(x - 1) (x^2 + 4 x + 1)}$$

Sequence: A016767
Score: 4.01308
Type of gen. func.: ogf

$$-(220 f(x) + 9783)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 27 x^3 - 4 f(x) x - 108 x^2 + f(x) - 27 x)$$

Sequence: A016767
Score: 7.60922
Type of gen. func.: ogf

$$\frac{27 x (x^2 + 4 x + 1)}{(x - 1)^4}$$

Sequence: A016768
Score: 16.2100
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 + 18 x^2 + 33 x + 8)}{(x - 1) (x + 1) (x^2 + 10 x + 1)}$$

Sequence: A016768
Score: 4.21897
Type of gen. func.: ogf

$$\{(-4 n^2 - 17 n - 18) a(n + 1) + (8 n^2 + 32 n + 72) a(n + 2)$$
$$+ (-4 n^2 - 15 n - 14) a(n + 3), a(0) = 0, a(1) = 81, a(2) = 1296\}$$

Sequence: A016768
Score: 7.95951
Type of gen. func.: ogf

$$-\frac{81 x (x + 1) (x^2 + 10 x + 1)}{(x - 1)^5}$$

Sequence: A016769
Score: 4.29227
Type of gen. func.: ogf

$$\frac{243 x (x^4 + 26 x^3 + 66 x^2 + 26 x + 1)}{(x - 1)^6}$$

Sequence: A016769
Score: 7.91575
Type of gen. func.: lgdogf

$$-\frac{2 (x^4 + 41 x^3 + 171 x^2 + 131 x + 16)}{(x - 1) (x^4 + 26 x^3 + 66 x^2 + 26 x + 1)}$$

Sequence: A016770
Score: 3.54535
Type of gen. func.: ogf

$$-\frac{729 x (x + 1) (x^4 + 56 x^3 + 246 x^2 + 56 x + 1)}{(x - 1)^7}$$

Sequence: A016770
Score: 6.32509
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 + 88 x^4 + 718 x^3 + 1208 x^2 + 473 x + 32)}{(x - 1) (x + 1) (x^4 + 56 x^3 + 246 x^2 + 56 x + 1)}$$

Sequence: A016771
Score: 3.08744
Type of gen. func.: ogf

$$\frac{2187 x (x^6 + 120 x^5 + 1191 x^4 + 2416 x^3 + 1191 x^2 + 120 x + 1)}{(x - 1)^8}$$

Sequence: A016777
Score: 10.6747
Type of gen. func.: ogf

$$(3 f(x) + 5) (f(x) x^2 - 2 f(x) x + f(x) - 2 x - 1)$$

Sequence: A016777
Score: 11.0652
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A016777
Score: 20.1632
Type of gen. func.: ogf

$$\frac{2 x + 1}{(x - 1)^{2}}$$

Sequence: A016777
Score: 25.4507
Type of gen. func.: revogf

$$- \frac{-1 - 2 x + (1 + 12 x)^{1/2}}{2 (-2 + x)}$$

Sequence: A016777
Score: 40.4897
Type of gen. func.: lgdogf

$$- \frac{2 (x + 2)}{(2 x + 1) (x - 1)}$$

Sequence: A016778
Score: 16.1743
Type of gen. func.: lgdogf

$$- \frac{2 (x + 8) (2 x + 1)}{(x - 1) (4 x^{2} + 13 x + 1)}$$

Sequence: A016778
Score: 5.14943
Type of gen. func.: ogf

$$(3588 f(x) - 28063) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 4 x^{2} - f(x) + 13 x + 1)$$

Sequence: A016778
Score: 5.37528

Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 1,\ a(1) = 16,\ a(2) = 49\}$$

Sequence: A016778
Score: 9.88358
Type of gen. func.: ogf

$$-\frac{4x^2 + 13x + 1}{(x-1)^3}$$

Sequence: A016779
Score: 10.3877
Type of gen. func.: ogf

$$\frac{8x^3 + 93x^2 + 60x + 1}{(x-1)^4}$$

Sequence: A016779
Score: 14.6599
Type of gen. func.: lgdogf

$$-\frac{2(4x^3 + 105x^2 + 183x + 32)}{(x-1)(8x^3 + 93x^2 + 60x + 1)}$$

Sequence: A016779
Score: 4.25195
Type of gen. func.: ogf

$$\{(-69n^2 - 313n - 350)\,a(n+1) + (108n^2 + 424n + 800)\,a(n+2)$$
$$+ (-39n^2 - 201n - 252)\,a(n+3),\ a(0) = 1,\ a(1) = 64,\ a(2) = 343\}$$

Sequence: A016779
Score: 5.58249

Type of gen. func.: ogf

$$(2227 f(x) + 124947) \left(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 8 x^3 - 4 f(x) x - 93 x^2 + f(x) - 60 x - 1 \right)$$

Sequence: A016780
Score: 5.43046
Type of gen. func.: ogf

$$-\frac{16 x^4 + 545 x^3 + 1131 x^2 + 251 x + 1}{(x - 1)^5}$$

Sequence: A016780
Score: 7.00801
Type of gen. func.: lgdogf

$$-\frac{2 (8 x^4 + 577 x^3 + 2514 x^2 + 1633 x + 128)}{(x - 1) (16 x^4 + 545 x^3 + 1131 x^2 + 251 x + 1)}$$

Sequence: A016781
Score: 4.26713
Type of gen. func.: ogf

$$\frac{32 x^5 + 2933 x^4 + 14498 x^3 + 10678 x^2 + 1018 x + 1}{(x - 1)^6}$$

Sequence: A016781
Score: 5.04520
Type of gen. func.: lgdogf

$$-\frac{2 (16 x^5 + 3013 x^4 + 27613 x^3 + 43103 x^2 + 13223 x + 512)}{(x - 1) (32 x^5 + 2933 x^4 + 14498 x^3 + 10678 x^2 + 1018 x + 1)}$$

Sequence: A016782
Score: 3.54893
Type of gen. func.: ogf

$$-\frac{64 x^{6} + 15177 x^{5} + 154113 x^{4} + 262438 x^{3} + 88998 x^{2} + 4089 x + 1}{(x - 1)^{7}}$$

Sequence: A016783
Score: 3.10028
Type of gen. func.: ogf

$$(128 x^{7} + 77101 x^{6} + 1475736 x^{5} + 4890287 x^{4} + 3870352 x^{3} + 692499 x^{2} + 16376 x + 1) \Big/ (x - 1)^{8}$$

Sequence: A016789
Score: 10.3357
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 2, a(1) = 5\}$$

Sequence: A016789
Score: 18.8340
Type of gen. func.: ogf

$$\frac{x + 2}{(x - 1)^{2}}$$

Sequence: A016789
Score: 30.7834
Type of gen. func.: revogf

$$-\frac{-1 - x + (1 + 3 x)^{1/2}}{x - 1}$$

Sequence: A016789
Score: 46.1751
Type of gen. func.: lgdogf

$$-\frac{x + 5}{(x + 2) (x - 1)}$$

Sequence: A016789
Score: 9.85499
Type of gen. func.: ogf

$$(6 f(x) + 13) (f(x) x^2 - 2 f(x) x + f(x) - x - 2)$$

Sequence: A016790
Score: 13.1836
Type of gen. func.: ogf

$$-\frac{16 x^2 + x + 1}{(x - 1)^3}$$

Sequence: A016790
Score: 18.2434
Type of gen. func.: lgdogf

$$-\frac{x^2 + 28 x + 25}{(x - 1) (x^2 + 13 x + 4)}$$

Sequence: A016790
Score: 6.92699
Type of gen. func.: ogf

$$(1572 f(x) - 8747) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 16 x^2 - f(x) + x + 1)$$

Sequence: A016790
Score: 7.23350

Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 4, a(2) = 25\}$$

Sequence: A016791
Score: 14.1958
Type of gen. func.: lgdogf

$$- \frac{x^3 + 123 x^2 + 399 x + 125}{(x - 1) (x^3 + 60 x^2 + 93 x + 8)}$$

Sequence: A016791
Score: 3.71168
Type of gen. func.: ogf

$$\{(39 n^2 + 189 n + 222) a(n + 1) + (-108 n^2 - 656 n - 1380) a(n + 2)$$

$$+ (69 n^2 + 377 n + 510) a(n + 3), a(0) = 8, a(1) = 125, a(2) = 512\}$$

Sequence: A016791
Score: 4.89039
Type of gen. func.: ogf

$$(12692 f(x) + 876367)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 60 x^2 + f(x) - 93 x - 8)$$

Sequence: A016791
Score: 9.16175
Type of gen. func.: ogf

$$\frac{x^3 + 60 x^2 + 93 x + 8}{(x - 1)^4}$$

Sequence: A016792
Score: 5.49217
Type of gen. func.: ogf

$$-\frac{x^4 + 251 x^3 + 1131 x^2 + 545 x + 16}{(x - 1)^5}$$

Sequence: A016792
Score: 7.68029
Type of gen. func.: lgdogf

$$-\frac{x^4 + 506 x^3 + 4146 x^2 + 4442 x + 625}{(x - 1) (x^4 + 251 x^3 + 1131 x^2 + 545 x + 16)}$$

Sequence: A016793
Score: 4.31507
Type of gen. func.: ogf

$$\frac{x^5 + 1018 x^4 + 10678 x^3 + 14498 x^2 + 2933 x + 32}{(x - 1)^6}$$

Sequence: A016793
Score: 5.41248
Type of gen. func.: lgdogf

$$-\frac{x^5 + 2041 x^4 + 36106 x^3 + 90026 x^2 + 43661 x + 3125}{(x - 1) (x^5 + 1018 x^4 + 10678 x^3 + 14498 x^2 + 2933 x + 32)}$$

Sequence: A016794
Score: 3.62693
Type of gen. func.: ogf

$$-\frac{x^6 + 4089 x^5 + 88998 x^4 + 262438 x^3 + 154113 x^2 + 15177 x + 64}{(x - 1)^7}$$

Sequence: A016795
Score: 4.57290
Type of gen. func.: ogf

$$\left(x^7 + 16376 x^6 + 692499 x^5 + 3870352 x^4 + 4890287 x^3 + 1475736 x^2 + 77101 x + 128\right) \Big/ (x - 1)^8$$

Sequence: A016801
Score: 11.9741
Type of gen. func.: lgdogf

$$- \frac{2 (126 x^2 - 61 x + 7)}{(3 x - 1) (7 x - 1) (-1 + 4 x)}$$

Sequence: A016801
Score: 13.7652
Type of gen. func.: ogf

$$- \frac{1}{(3 x - 1) (7 x - 1) (-1 + 4 x)}$$

Sequence: A016801
Score: 4.66619
Type of gen. func.: ogf

$\{a(n + 3) - 14 a(n + 2) + 61 a(n + 1) - 84 a(n), a(0) = 1, a(1) = 14, a(2) = 135\}$

Sequence: A016801
Score: 4.74664
Type of gen. func.: ogf

$$(92132701 f(x) - 62170416) (84 f(x) x^3 - 61 f(x) x^2 + 14 f(x) x - f(x) + 1)$$

Sequence: A016802
Score: 13.7470

Type of gen. func.: ogf

$$-\frac{16 x (x + 1)}{(x - 1)^3}$$

Sequence: A016802
Score: 38.3736
Type of gen. func.: ogf_with_Euler_transform]

[4 - x]

Sequence: A016802
Score: 39.9931
Type of gen. func.: lgdogf

$$-\frac{2 (x + 2)}{(x - 1) (x + 1)}$$

Sequence: A016802
Score: 7.17765
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 16, a(2) = 64}

Sequence: A016802
Score: 7.44105
Type of gen. func.: ogf

$$(f(x) + 4) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 16 x^2 - f(x) + 16 x)$$

Sequence: A016803
Score: 23.3829
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + 7 x + 4)}{(x - 1) (x^2 + 4 x + 1)}$$

Sequence: A016803
Score: 3.75615
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-2 + 3 n) a(n + 3) + (-17 - 3 n) a(n + 2)$$
$$+ (-2 - n) a(n + 1), a(0) = 0, a(1) = 64, a(2) = 512, a(3) = 1728\}$$

Sequence: A016803
Score: 5.16151
Type of gen. func.: ogf

$$-(165 f(x) + 17392)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 64 x^3 - 4 f(x) x - 256 x^2 + f(x) - 64 x)$$

Sequence: A016803
Score: 9.85381
Type of gen. func.: ogf

$$\frac{64 x (x^2 + 4 x + 1)}{(x - 1)^4}$$

Sequence: A016804
Score: 11.4078
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 + 18 x^2 + 33 x + 8)}{(x - 1) (x + 1) (x^2 + 10 x + 1)}$$

Sequence: A016804
Score: 5.40173
Type of gen. func.: ogf

$$-\frac{256 x (x + 1) (x^2 + 10 x + 1)}{(x - 1)^5}$$

Sequence: A016805
Score: 4.20829
Type of gen. func.: ogf

$$\frac{1024 x (x^4 + 26 x^3 + 66 x^2 + 26 x + 1)}{(x - 1)^6}$$

Sequence: A016805
Score: 8.01934
Type of gen. func.: lgdogf

$$- \frac{2 (x^4 + 41 x^3 + 171 x^2 + 131 x + 16)}{(x - 1) (x^4 + 26 x^3 + 66 x^2 + 26 x + 1)}$$

Sequence: A016806
Score: 3.36265
Type of gen. func.: ogf

$$- \frac{4096 x (x + 1) (x^4 + 56 x^3 + 246 x^2 + 56 x + 1)}{(x - 1)^7}$$

Sequence: A016806
Score: 6.24463
Type of gen. func.: lgdogf

$$- \frac{2 (x^5 + 88 x^4 + 718 x^3 + 1208 x^2 + 473 x + 32)}{(x - 1) (x + 1) (x^4 + 56 x^3 + 246 x^2 + 56 x + 1)}$$

Sequence: A016813
Score: 10.2359
Type of gen. func.: ogf

$$(8 f(x) + 17) (f(x) x^2 - 2 f(x) x + f(x) - 3 x - 1)$$

Sequence: A016813
Score: 10.7352
Type of gen. func.: ogf

$$\{-a(n+2) + 2a(n+1) - a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A016813
Score: 19.5618
Type of gen. func.: ogf

$$\frac{1 + 3x}{(x - 1)^2}$$

Sequence: A016813
Score: 24.6830
Type of gen. func.: revogf

$$-\frac{-1 - 2x + (1 + 16x)^{1/2}}{2(-3 + x)}$$

Sequence: A016813
Score: 39.2684
Type of gen. func.: lgdogf

$$-\frac{5 + 3x}{(1 + 3x)(x - 1)}$$

Sequence: A016814
Score: 14.0381
Type of gen. func.: ogf

$$-\frac{9x^2 + 22x + 1}{(x - 1)^3}$$

Sequence: A016814
Score: 15.8210
Type of gen. func.: lgdogf

$$-\frac{9x^2 + 62x + 25}{(x - 1)(9x^2 + 22x + 1)}$$

Sequence: A016814
Score: 7.37596
Type of gen. func.: ogf

$$(976 f(x) - 12729)(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 9 x^2 - f(x) + 22 x + 1)$$

Sequence: A016814
Score: 7.63477
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 25, a(2) = 81}

Sequence: A016815
Score: 3.75725
Type of gen. func.: ogf

$$(6976 f(x) + 877077)(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 27 x^3 - 4 f(x) x - 235 x^2 + f(x) - 121 x - 1)$$

Sequence: A016815
Score: 6.87304
Type of gen. func.: ogf

$$\frac{27x^3 + 235x^2 + 121x + 1}{(x - 1)^4}$$

Sequence: A016815
Score: 9.48975

Type of gen. func.: lgdogf

$$-\frac{27 x^3 + 551 x^2 + 833 x + 125}{(x - 1) (27 x^3 + 235 x^2 + 121 x + 1)}$$

Sequence: A016816
Score: 6.74130
Type of gen. func.: lgdogf

$$-\frac{81 x^4 + 4316 x^3 + 16326 x^2 + 9372 x + 625}{(x - 1) (81 x^4 + 1996 x^3 + 3446 x^2 + 620 x + 1)}$$

Sequence: A016816
Score: 7.57642
Type of gen. func.: ogf

$$-\frac{81 x^4 + 1996 x^3 + 3446 x^2 + 620 x + 1}{(x - 1)^5}$$

Sequence: A016817
Score: 5.81395
Type of gen. func.: ogf

$$\frac{243 x^5 + 15349 x^4 + 63854 x^3 + 40314 x^2 + 3119 x + 1}{(x - 1)^6}$$

Sequence: A016818
Score: 3.35357
Type of gen. func.: ogf

$$-\frac{729 x^6 + 112546 x^5 + 963327 x^4 + 1434812 x^3 + 422087 x^2 + 15618 x + 1}{(x - 1)^7}$$

Sequence: A016825
Score: 10.5419
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 2, a(1) = 6\}$$

Sequence: A016825
Score: 13.7212
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 2 x + 2$$

Sequence: A016825
Score: 19.2097
Type of gen. func.: ogf

$$\frac{2 (x + 1)}{(x - 1)^2}$$

Sequence: A016825
Score: 30.2903
Type of gen. func.: revogf

$$-\frac{-1 - x + (1 + 4 x)^{1/2}}{-2 + x}$$

Sequence: A016825
Score: 40.9911
Type of gen. func.: ogf_with_Euler_transform]

$$[3 - x]$$

Sequence: A016825
Score: 47.1182
Type of gen. func.: lgdogf

```
          x + 3
  - ---------------
```

$$(x - 1) (x + 1)$$

Sequence: A016826
Score: 18.9968
Type of gen. func.: lgdogf

$$-\frac{x^2 + 14 x + 9}{(x - 1) (x^2 + 6 x + 1)}$$

Sequence: A016826
Score: 5.24354
Type of gen. func.: ogf

$$(39 f(x) - 616) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) + 24 x + 4)$$

Sequence: A016826
Score: 5.24355
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 4, a(1) = 36, a(2) = 100\}$$

Sequence: A016826
Score: 9.72594
Type of gen. func.: ogf

$$-\frac{4 (x^2 + 6 x + 1)}{(x - 1)^3}$$

Sequence: A016827
Score: 11.8510
Type of gen. func.: lgdogf

$$-\frac{x^3 + 49 x^2 + 115 x + 27}{(x - 1) (x + 1) (x^2 + 22 x + 1)}$$

Sequence: A016827
Score: 3.87877
Type of gen. func.: ogf

$$(216 f(x) + 31973) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 8 x^3 - 4 f(x) x - 184 x^2 + f(x) - 184 x - 8)$$

Sequence: A016827
Score: 7.03926
Type of gen. func.: ogf

$$\frac{8 (x + 1) (x^2 + 22 x + 1)}{(x - 1)^4}$$

Sequence: A016828
Score: 6.01262
Type of gen. func.: ogf

$$- \frac{16 (x^4 + 76 x^3 + 230 x^2 + 76 x + 1)}{(x - 1)^5}$$

Sequence: A016828
Score: 9.60712
Type of gen. func.: lgdogf

$$- \frac{x^4 + 156 x^3 + 918 x^2 + 764 x + 81}{(x - 1) (x^4 + 76 x^3 + 230 x^2 + 76 x + 1)}$$

Sequence: A016829
Score: 4.23615
Type of gen. func.: ogf

$$\frac{32 (x + 1) (x^4 + 236 x^3 + 1446 x^2 + 236 x + 1)}{{}^{6}}$$

$$(x - 1)$$

Sequence: A016830
Score: 3.12567
Type of gen. func.: ogf

$$-\frac{64\,(x^6 + 722\,x^5 + 10543\,x^4 + 23548\,x^3 + 10543\,x^2 + 722\,x + 1)}{(x - 1)^7}$$

Sequence: A016838
Score: 17.8455
Type of gen. func.: lgdogf

$$-\frac{x^2 + 46\,x + 49}{(x - 1)\,(x^2 + 22\,x + 9)}$$

Sequence: A016838
Score: 5.06729
Type of gen. func.: ogf

$$(1552\,f(x) - 29223)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + x^2 - f(x) + 22\,x + 9)$$

Sequence: A016838
Score: 5.24355
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 9,\ a(1) = 49,\ a(2) = 121\}$$

Sequence: A016838
Score: 9.72594
Type of gen. func.: ogf

$$-\frac{x^2 + 22\,x + 9}{(x - 1)^3}$$

Sequence: A016839
Score: 10.6337
Type of gen. func.: lgdogf

$$- \frac{x^3 + 245 x^2 + 947 x + 343}{(x - 1) (x^3 + 121 x^2 + 235 x + 27)}$$

Sequence: A016839
Score: 3.74527
Type of gen. func.: ogf

$$(391872 f(x) + 67307119) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 121 x^2 + f(x) - 235 x - 27)$$

Sequence: A016839
Score: 7.03380
Type of gen. func.: ogf

$$\frac{x^3 + 121 x^2 + 235 x + 27}{(x - 1)^4}$$

Sequence: A016840
Score: 5.08238
Type of gen. func.: ogf

$$- \frac{x^4 + 620 x^3 + 3446 x^2 + 1996 x + 81}{(x - 1)^5}$$

Sequence: A016840
Score: 6.70394
Type of gen. func.: lgdogf

$$- \frac{x^4 + 1244 x^3 + 12198 x^2 + 14876 x + 2401}{}$$

$$(x - 1) (x^4 + 620 x^3 + 3446 x^2 + 1996 x + 81)$$

Sequence: A016841
Score: 4.24976
Type of gen. func.: ogf

$$\frac{x^5 + 3119 x^4 + 40314 x^3 + 63854 x^2 + 15349 x + 243}{(x - 1)^6}$$

Sequence: A016842
Score: 3.17828
Type of gen. func.: ogf

$$- \frac{x^6 + 15618 x^5 + 422087 x^4 + 1434812 x^3 + 963327 x^2 + 112546 x + 729}{(x - 1)^7}$$

Sequence: A016849
Score: 12.2898
Type of gen. func.: lgdogf

$$- \frac{288 x^2 - 136 x + 15}{(-1 + 4 x) (3 x - 1) (8 x - 1)}$$

Sequence: A016849
Score: 14.4278
Type of gen. func.: ogf

$$- \frac{1}{(-1 + 4 x) (3 x - 1) (8 x - 1)}$$

Sequence: A016849
Score: 4.89076
Type of gen. func.: ogf

{a(n + 3) - 15 a(n + 2) + 68 a(n + 1) - 96 a(n), a(0) = 1, a(1) = 15,

a(2) = 157}

Sequence: A016849
Score: 5.19919
Type of gen. func.: ogf

$$(163205 f(x) - 98928) (96 f(x) x^3 - 68 f(x) x^2 + 15 f(x) x - f(x) + 1)$$

Sequence: A016850
Score: 10.0747
Type of gen. func.: ogf

$$- \frac{25 x (x + 1)}{(x - 1)^3}$$

Sequence: A016850
Score: 28.0560
Type of gen. func.: ogf_with_Euler_transform]

$$[4 - x]$$

Sequence: A016850
Score: 29.1959
Type of gen. func.: lgdogf

$$- \frac{2 (x + 2)}{(x - 1) (x + 1)}$$

Sequence: A016850
Score: 5.21410
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 25, a(2) = 100}

Sequence: A016850
Score: 7.35962
Type of gen. func.: ogf

$$(4 f(x) + 25) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 25 x^2 - f(x) + 25 x)$$

Sequence: A016851
Score: 10.0469
Type of gen. func.: ogf

$$\frac{125 x (x^2 + 4 x + 1)}{(x - 1)^4}$$

Sequence: A016851
Score: 24.4756
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 + 7 x + 4)}{(x - 1) (x^2 + 4 x + 1)}$$

Sequence: A016851
Score: 3.89073
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-2 + 3 n) a(n + 3) + (-17 - 3 n) a(n + 2)$$

$$+ (-2 - n) a(n + 1), a(0) = 0, a(1) = 125, a(2) = 1000, a(3) = 3375\}$$

Sequence: A016851
Score: 5.32689
Type of gen. func.: ogf

$$-(132 f(x) + 27175) ($$

$$f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 125 x^3 - 4 f(x) x - 500 x^2 + f(x) - 125 x$$

$$)$$

Sequence: A016852
Score: 11.1804
Type of gen. func.: lgdogf

$$-\frac{2\,(x^{3}+18\,x^{2}+33\,x+8)}{(x-1)\,(x+1)\,(x^{2}+10\,x+1)}$$

Sequence: A016852
Score: 5.29455
Type of gen. func.: ogf

$$-\frac{625\,x\,(x+1)\,(x^{2}+10\,x+1)}{(x-1)^{5}}$$

Sequence: A016853
Score: 6.18431
Type of gen. func.: ogf

$$\frac{3125\,x\,(x^{4}+26\,x^{3}+66\,x^{2}+26\,x+1)}{(x-1)^{6}}$$

Sequence: A016853
Score: 7.70084
Type of gen. func.: lgdogf

$$-\frac{2\,(x^{4}+41\,x^{3}+171\,x^{2}+131\,x+16)}{(x-1)\,(x^{4}+26\,x^{3}+66\,x^{2}+26\,x+1)}$$

Sequence: A016854
Score: 3.21706
Type of gen. func.: ogf

$$-\frac{15625\,x\,(x+1)\,(x^{4}+56\,x^{3}+246\,x^{2}+56\,x+1)}{(x-1)^{7}}$$

Sequence: A016854
Score: 6.05118
Type of gen. func.: lgdogf

$$-\frac{2\,(x^5 + 88\,x^4 + 718\,x^3 + 1208\,x^2 + 473\,x + 32)}{(x - 1)\,(x + 1)\,(x^4 + 56\,x^3 + 246\,x^2 + 56\,x + 1)}$$

Sequence: A016861
Score: 10.3048
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\,a(n + 1) - a(n),\ a(0) = 1,\ a(1) = 6\}$$

Sequence: A016861
Score: 18.7777
Type of gen. func.: ogf

$$\frac{1 + 4\,x}{(x - 1)^2}$$

Sequence: A016861
Score: 24.3772
Type of gen. func.: revogf

$$-\frac{-1 - 2\,x + (1 + 20\,x)^{1/2}}{2\,(x - 4)}$$

Sequence: A016861
Score: 34.5344
Type of gen. func.: lgdogf

$$-\frac{2\,(3 + 2\,x)}{(1 + 4\,x)\,(x - 1)}$$

Sequence: A016861
Score: 9.82555
Type of gen. func.: ogf

$$(5 f(x) + 13) (f(x) x^2 - 2 f(x) x + f(x) - 4 x - 1)$$

Sequence: A016862
Score: 14.5979
Type of gen. func.: lgdogf

$$- \frac{2 (8 x^2 + 49 x + 18)}{(x - 1) (16 x^2 + 33 x + 1)}$$

Sequence: A016862
Score: 4.90084
Type of gen. func.: ogf

$$(14460 f(x) - 283757)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 16 x^2 - f(x) + 33 x + 1)$$

Sequence: A016862
Score: 5.19916
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 36, a(2) = 121}

Sequence: A016862
Score: 9.49052
Type of gen. func.: ogf

$$- \frac{16 x^2 + 33 x + 1}{(x - 1)^3}$$

Sequence: A016863
Score: 3.63891
Type of gen. func.: ogf

$$(132435 f(x) + 31419091) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 64 x^3 - 4 f(x) x$$

$$- 473 x^2 + f(x) - 212 x - 1)$$

Sequence: A016863
Score: 6.83406
Type of gen. func.: ogf

$$\frac{64 x^3 + 473 x^2 + 212 x + 1}{(x - 1)^4}$$

Sequence: A016863
Score: 9.12268
Type of gen. func.: lgdogf

$$- \frac{2 (32 x^3 + 569 x^2 + 791 x + 108)}{(x - 1) (64 x^3 + 473 x^2 + 212 x + 1)}$$

Sequence: A016864
Score: 5.10313
Type of gen. func.: ogf

$$- \frac{256 x^4 + 5281 x^3 + 8171 x^2 + 1291 x + 1}{(x - 1)^5}$$

Sequence: A016864
Score: 6.14614
Type of gen. func.: lgdogf

$$- \frac{2 (128 x^4 + 5793 x^3 + 20178 x^2 + 10753 x + 648)}{(x - 1) (256 x^4 + 5281 x^3 + 8171 x^2 + 1291 x + 1)}$$

Sequence: A016865
Score: 3.92592
Type of gen. func.: ogf

$$\frac{1024 x^5 + 52905 x^4 + 198890 x^3 + 114410 x^2 + 7770 x + 1}{(x - 1)^6}$$

Sequence: A016866
Score: 3.15395
Type of gen. func.: ogf

$$- \frac{4096 x^6 + 502769 x^5 + 3895465 x^4 + 5356030 x^3 + 1444990 x^2 + 46649 x + 1}{(x - 1)^7}$$

Sequence: A016873
Score: 10.0634
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 2, a(1) = 7\}$$

Sequence: A016873
Score: 18.3377
Type of gen. func.: ogf

$$\frac{3 x + 2}{(x - 1)^2}$$

Sequence: A016873
Score: 28.8963
Type of gen. func.: revogf

$$- \frac{-1 - x + (1 + 5 x)^{1/2}}{-3 + x}$$

Sequence: A016873
Score: 36.7771
Type of gen. func.: lgdogf

$$7 + 3 x$$

```
                              - -----------------
                                (3 x + 2) (x - 1)
```

Sequence: A016873
Score: 9.48502
Type of gen. func.: ogf

```
                                    2
              (10 f(x) + 29) (f(x) x  - 2 f(x) x + f(x) - 3 x - 2)
```

Sequence: A016874
Score: 16.3170
Type of gen. func.: lgdogf

```
                                   2
                                9 x  + 92 x + 49
                          - -------------------------
                            (x - 1) (9 x + 1) (x + 4)
```

Sequence: A016874
Score: 4.97024
Type of gen. func.: ogf

```
                             3            2                  2
(17740 f(x) - 405759) (f(x) x  - 3 f(x) x  + 3 f(x) x + 9 x  - f(x) + 37 x + 4)
```

Sequence: A016874
Score: 5.22957
Type of gen. func.: ogf

```
  {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 4, a(1) = 49, a(2) = 144}
```

Sequence: A016874
Score: 9.70000
Type of gen. func.: ogf

```
                                (x + 4) (9 x + 1)
                              - -----------------
                                           3
                                    (x - 1)
```

Sequence: A016875

Score: 3.68123
Type of gen. func.: ogf

$$(222140 f(x) + 60276599) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 27 x^3 - 4 f(x) x - 404 x^2 + f(x) - 311 x - 8)$$

Sequence: A016875
Score: 6.91352
Type of gen. func.: ogf

$$\frac{27 x^3 + 404 x^2 + 311 x + 8}{(x - 1)^4}$$

Sequence: A016875
Score: 9.38775
Type of gen. func.: lgdogf

$$- \frac{27 x^3 + 889 x^2 + 1741 x + 343}{(x - 1) (27 x^3 + 404 x^2 + 311 x + 8)}$$

Sequence: A016876
Score: 5.19061
Type of gen. func.: ogf

$$- \frac{81 x^4 + 3691 x^3 + 8891 x^2 + 2321 x + 16}{(x - 1)^5}$$

Sequence: A016876
Score: 6.40287
Type of gen. func.: lgdogf

$$- \frac{81 x^4 + 7706 x^3 + 37746 x^2 + 27066 x + 2401}{(x - 1) (81 x^4 + 3691 x^3 + 8891 x^2 + 2321 x + 16)}$$

Sequence: A016877
Score: 3.94068
Type of gen. func.: ogf

$$\frac{243 x^5 + 31310 x^4 + 178330 x^3 + 148470 x^2 + 16615 x + 32}{(x - 1)^6}$$

Sequence: A016878
Score: 3.22278
Type of gen. func.: ogf

$$- \frac{729 x^6 + 257041 x^5 + 3007110 x^4 + 5704070 x^3 + 2163785 x^2 + 117201 x + 64}{(x - 1)^7}$$

Sequence: A016885
Score: 10.3048
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 3, a(1) = 8\}$$

Sequence: A016885
Score: 18.7777
Type of gen. func.: ogf

$$\frac{3 + 2 x}{(x - 1)^2}$$

Sequence: A016885
Score: 23.6807
Type of gen. func.: revogf

$$- \frac{-3 - 2 x + (9 + 20 x)^{1/2}}{2 (-2 + x)}$$

Sequence: A016885
Score: 37.6739
Type of gen. func.: lgdogf

$$-\frac{2 (x + 4)}{(3 + 2 x) (x - 1)}$$

Sequence: A016885
Score: 9.82555
Type of gen. func.: ogf

$$(5 f(x) + 17) (f(x) x^2 - 2 f(x) x + f(x) - 2 x - 3)$$

Sequence: A016886
Score: 13.1772
Type of gen. func.: ogf

$$-\frac{(x + 9) (1 + 4 x)}{(x - 1)^3}$$

Sequence: A016886
Score: 15.4583
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^2 + 41 x + 32)}{(x - 1) (x + 9) (1 + 4 x)}$$

Sequence: A016886
Score: 6.75195
Type of gen. func.: ogf

$$(21340 f(x) - 566721) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) + 37 x + 9)$$

Sequence: A016886
Score: 7.10422
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 9, a(1) = 64, a(2) = 169\}$$

Sequence: A016887
Score: 3.62845
Type of gen. func.: ogf

$$\{(3205 n^2 + 15353 n + 17886) a(n + 1) + (-7700 n^2 - 43480 n - 89952) a(n + 2) + (4495 n^2 + 24257 n + 32316) a(n + 3), a(0) = 27, a(1) = 512, a(2) = 2197\}$$

Sequence: A016887
Score: 5.01857
Type of gen. func.: ogf

$$(205995 f(x) + 63301157) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 8 x^3 - 4 f(x) x - 311 x^2 + f(x) - 404 x - 27)$$

Sequence: A016887
Score: 8.89284
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^3 + 323 x^2 + 917 x + 256)}{(x - 1) (8 x^3 + 311 x^2 + 404 x + 27)}$$

Sequence: A016887
Score: 9.42512
Type of gen. func.: ogf

$$\frac{8 x^3 + 311 x^2 + 404 x + 27}{(x - 1)^4}$$

Sequence: A016888
Score: 5.21977
Type of gen. func.: ogf

$$-\frac{16 x^4 + 2321 x^3 + 8891 x^2 + 3691 x + 81}{(x - 1)^5}$$

Sequence: A016888
Score: 6.36391
Type of gen. func.: lgdogf

$$-\frac{2 (8 x^4 + 2353 x^3 + 16818 x^2 + 16273 x + 2048)}{(x - 1) (16 x^4 + 2321 x^3 + 8891 x^2 + 3691 x + 81)}$$

Sequence: A016889
Score: 3.96282
Type of gen. func.: ogf

$$\frac{32 x^5 + 16615 x^4 + 148470 x^3 + 178330 x^2 + 31310 x + 243}{(x - 1)^6}$$

Sequence: A016890
Score: 3.24048
Type of gen. func.: ogf

$$-\frac{64 x^6 + 117201 x^5 + 2163785 x^4 + 5704070 x^3 + 3007110 x^2 + 257041 x + 729}{(x - 1)^7}$$

Sequence: A016897
Score: 10.3048
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 4, a(1) = 9\}$$

Sequence: A016897
Score: 18.7777
Type of gen. func.: ogf

$$\frac{x + 4}{(x - 1)^2}$$

Sequence: A016897
Score: 30.6972
Type of gen. func.: revogf

$$- \frac{-2 - x + (4 + 5 x)^{1/2}}{x - 1}$$

Sequence: A016897
Score: 46.0458
Type of gen. func.: lgdogf

$$- \frac{x + 9}{(x + 4) (x - 1)}$$

Sequence: A016897
Score: 9.71262
Type of gen. func.: ogf

$$(10 f(x) + 41) (f(x) x^2 - 2 f(x) x + f(x) - x - 4)$$

Sequence: A016898
Score: 13.0270
Type of gen. func.: ogf

$$- \frac{x^2 + 33 x + 16}{(x - 1)^3}$$

Sequence: A016898
Score: 17.3797
Type of gen. func.: lgdogf

2

$$-\frac{x + 68 x + 81}{(x - 1) (x^2 + 33 x + 16)}$$

Sequence: A016898
Score: 6.72704
Type of gen. func.: ogf

$$(25260 f(x) - 767123) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 33 x + 16)$$

Sequence: A016898
Score: 7.07499
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 16, a(1) = 81, a(2) = 196\}$$

Sequence: A016899
Score: 3.51341
Type of gen. func.: ogf

$$(91260 f(x) + 31497701) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 212 x^2 + f(x) - 473 x - 64)$$

Sequence: A016899
Score: 6.55552
Type of gen. func.: ogf

$$\frac{x^3 + 212 x^2 + 473 x + 64}{(x - 1)^4}$$

Sequence: A016899
Score: 9.71625
Type of gen. func.: lgdogf

$$-\frac{x^3 + 427 x^2 + 1843 x + 729}{}$$

$$(x - 1) (x + 212 x + 473 x + 64)$$

Sequence: A016900
Score: 5.24893
Type of gen. func.: ogf

$$- \frac{x^4 + 1291 x^3 + 8171 x^2 + 5281 x + 256}{(x - 1)^5}$$

Sequence: A016900
Score: 6.88637
Type of gen. func.: lgdogf

$$- \frac{x^4 + 2586 x^3 + 28386 x^2 + 37466 x + 6561}{(x - 1) (x^4 + 1291 x^3 + 8171 x^2 + 5281 x + 256)}$$

Sequence: A016901
Score: 4.03745
Type of gen. func.: ogf

$$\frac{x^5 + 7770 x^4 + 114410 x^3 + 198890 x^2 + 52905 x + 1024}{(x - 1)^6}$$

Sequence: A016902
Score: 3.29650
Type of gen. func.: ogf

$$- \frac{x^6 + 46649 x^5 + 1444990 x^4 + 5356030 x^3 + 3895465 x^2 + 502769 x + 4096}{(x - 1)^7}$$

Sequence: A016909
Score: 11.8242
Type of gen. func.: lgdogf

$$-\frac{2 (6 x - 1) (27 x - 8)}{(-1 + 4 x) (3 x - 1) (9 x - 1)}$$

Sequence: A016909
Score: 12.9714
Type of gen. func.: ogf

$$-\frac{1}{(-1 + 4 x) (3 x - 1) (9 x - 1)}$$

Sequence: A016909
Score: 4.46914
Type of gen. func.: ogf

$\{a(n + 3) - 16 a(n + 2) + 75 a(n + 1) - 108 a(n), a(0) = 1, a(1) = 16,$

$a(2) = 181\}$

Sequence: A016909
Score: 4.74847
Type of gen. func.: ogf

$$(167791 f(x) - 92016) (108 f(x) x^3 - 75 f(x) x^2 + 16 f(x) x - f(x) + 1)$$

Sequence: A016910
Score: 16.3528
Type of gen. func.: ogf

$$-\frac{36 x (x + 1)}{(x - 1)^3}$$

Sequence: A016910
Score: 28.5924
Type of gen. func.: lgdogf

$$-\frac{2 (x + 2)}{(x - 1) (x + 1)}$$

```
------------------------------------------------------------------------------

Sequence:  A016910
Score: 45.6799
Type of gen. func.: ogf_with_Euler_transform]

                                       [4 - x]



------------------------------------------------------------------------------

Sequence:  A016910
Score: 8.46331
Type of gen. func.: ogf


  {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 36, a(2) = 144}



------------------------------------------------------------------------------

Sequence:  A016910
Score: 8.85154
Type of gen. func.: ogf


                          3            2                   2
       (f(x) + 9) (f(x) x  - 3 f(x) x  + 3 f(x) x + 36 x  - f(x) + 36 x)



------------------------------------------------------------------------------

Sequence:  A016911
Score: 22.9648
Type of gen. func.: lgdogf


                                        2
                                    2 (x  + 7 x + 4)
                               - ----------------------
                                           2
                                 (x - 1) (x  + 4 x + 1)



------------------------------------------------------------------------------

Sequence:  A016911
Score: 3.65282
Type of gen. func.: ogf


{(n + 3) a(n + 4) + (-2 + 3 n) a(n + 3) + (-17 - 3 n) a(n + 2)

     + (-2 - n) a(n + 1), a(0) = 0, a(1) = 216, a(2) = 1728, a(3) = 5832}



------------------------------------------------------------------------------

Sequence:  A016911
Score: 5.03497
Type of gen. func.: ogf


-(55 f(x) + 19566) (
```

$$f(x)\, x^{4} - 4\, f(x)\, x^{3} + 6\, f(x)\, x^{2} - 216\, x^{3} - 4\, f(x)\, x - 864\, x^{2} + f(x) - 216\, x$$

$$)$$

Sequence: A016911
Score: 9.43261
Type of gen. func.: ogf

$$\frac{216\, x\, (x^{2} + 4\, x + 1)}{(x - 1)^{4}}$$

Sequence: A016912
Score: 11.7065
Type of gen. func.: lgdogf

$$- \frac{2\, (x^{3} + 18\, x^{2} + 33\, x + 8)}{(x - 1)\, (x + 1)\, (x^{2} + 10\, x + 1)}$$

Sequence: A016912
Score: 5.32836
Type of gen. func.: ogf

$$- \frac{1296\, x\, (x + 1)\, (x^{2} + 10\, x + 1)}{(x - 1)^{5}}$$

Sequence: A016913
Score: 4.10852
Type of gen. func.: ogf

$$\frac{7776\, x\, (x^{4} + 26\, x^{3} + 66\, x^{2} + 26\, x + 1)}{(x - 1)^{6}}$$

Sequence: A016914
Score: 3.24304

Type of gen. func.: ogf

$$-\frac{46656\, x\, (x + 1)\, (x^4 + 56\, x^3 + 246\, x^2 + 56\, x + 1)}{(x - 1)^7}$$

Sequence: A016914
Score: 6.26104
Type of gen. func.: lgdogf

$$-\frac{2\, (x^5 + 88\, x^4 + 718\, x^3 + 1208\, x^2 + 473\, x + 32)}{(x - 1)\, (x + 1)\, (x^4 + 56\, x^3 + 246\, x^2 + 56\, x + 1)}$$

Sequence: A016921
Score: 10.2106
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\, a(n + 1) - a(n),\ a(0) = 1,\ a(1) = 7\}$$

Sequence: A016921
Score: 18.6061
Type of gen. func.: ogf

$$\frac{1 + 5\, x}{(x - 1)^2}$$

Sequence: A016921
Score: 23.4620
Type of gen. func.: revogf

$$-\frac{-1 - 2\, x + (1 + 24\, x)^{1/2}}{2\, (-5 + x)}$$

Sequence: A016921
Score: 37.3260
Type of gen. func.: lgdogf

$$-\frac{5 x + 7}{(1 + 5 x) (x - 1)}$$

Sequence: A016921
Score: 9.62383
Type of gen. func.: ogf

$$(12 f(x) + 37) (f(x) x^2 - 2 f(x) x + f(x) - 5 x - 1)$$

Sequence: A016922
Score: 12.7061
Type of gen. func.: ogf

$$-\frac{25 x^2 + 46 x + 1}{(x - 1)^3}$$

Sequence: A016922
Score: 14.2962
Type of gen. func.: lgdogf

$$-\frac{25 x^2 + 142 x + 49}{(x - 1) (25 x^2 + 46 x + 1)}$$

Sequence: A016922
Score: 6.67072
Type of gen. func.: ogf

$$(1506 f(x) - 41521) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 25 x^2 - f(x) + 46 x + 1)$$

Sequence: A016922
Score: 6.96076
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 49, a(2) = 169\}$$

Sequence: A016923
Score: 3.53038
Type of gen. func.: ogf

$$(117248 f(x) + 46960811) (f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 125 x^{3} - 4 f(x) x - 831 x^{2} + f(x) - 339 x - 1)$$

Sequence: A016923
Score: 6.59289
Type of gen. func.: ogf

$$\frac{125 x^{3} + 831 x^{2} + 339 x + 1}{(x - 1)^{4}}$$

Sequence: A016923
Score: 8.61829
Type of gen. func.: lgdogf

$$- \frac{125 x^{3} + 2037 x^{2} + 2679 x + 343}{(x - 1) (125 x^{3} + 831 x^{2} + 339 x + 1)}$$

Sequence: A016924
Score: 5.20897
Type of gen. func.: ogf

$$- \frac{625 x^{4} + 11516 x^{3} + 16566 x^{2} + 2396 x + 1}{(x - 1)^{5}}$$

Sequence: A016924
Score: 6.25233
Type of gen. func.: lgdogf

$$- \frac{625 x^{4} + 25532 x^{3} + 84246 x^{2} + 42716 x + 2401}{}$$

$$(x - 1) (625 x^4 + 11516 x^3 + 16566 x^2 + 2396 x + 1)$$

Sequence: A016925
Score: 3.99916
Type of gen. func.: ogf

$$\frac{3125 x^5 + 142301 x^4 + 500426 x^3 + 270466 x^2 + 16801 x + 1}{(x - 1)^6}$$

Sequence: A016926
Score: 3.17873
Type of gen. func.: ogf

$$- (15625 x^6 + 1662186 x^5 + 12064767 x^4 + 15728812 x^3 + 4003287 x^2 + 117642 x + 1) / (x - 1)^7$$

Sequence: A016933
Score: 12.9761
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 4 x + 2$$

Sequence: A016933
Score: 18.1666
Type of gen. func.: ogf

$$\frac{2 (2 x + 1)}{(x - 1)^2}$$

Sequence: A016933
Score: 29.6839
Type of gen. func.: revogf

$$-1 - x + (6 x + 1)^{1/2}$$

$$-\frac{}{x - 4}$$

Sequence: A016933
Score: 36.4303
Type of gen. func.: lgdogf

$$-\frac{2 (x + 2)}{(2 x + 1) (x - 1)}$$

Sequence: A016933
Score: 9.96945
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 2, a(1) = 8\}$$

Sequence: A016934
Score: 15.5490
Type of gen. func.: lgdogf

$$-\frac{2 (x + 8) (2 x + 1)}{(x - 1) (4 x^2 + 13 x + 1)}$$

Sequence: A016934
Score: 4.95105
Type of gen. func.: ogf

$$(897 f(x) - 28063) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 16 x^2 - f(x) + 52 x + 4)$$

Sequence: A016934
Score: 5.12327
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 4, a(1) = 64, a(2) = 196\}$$

Sequence: A016934
Score: 9.35200
Type of gen. func.: ogf

$$-\frac{4\,(4\,x^{2}+13\,x+1)}{(x-1)^{3}}$$

Sequence: A016935
Score: 3.5533
Type of gen. func.: ogf

$$-(2227\,f(x)+999576)\,(f(x)\,x^{4}-4\,f(x)\,x^{3}+6\,f(x)\,x^{2}-64\,x^{3}-4\,f(x)\,x-744\,x^{2}+f(x)-480\,x-8)$$

Sequence: A016935
Score: 6.67329
Type of gen. func.: ogf

$$\frac{8\,(8\,x^{3}+93\,x^{2}+60\,x+1)}{(x-1)^{4}}$$

Sequence: A016935
Score: 9.71517
Type of gen. func.: lgdogf

$$-\frac{2\,(4\,x^{3}+105\,x^{2}+183\,x+32)}{(x-1)\,(8\,x^{3}+93\,x^{2}+60\,x+1)}$$

Sequence: A016936
Score: 5.26621
Type of gen. func.: ogf

$$-\frac{16\,(16\,x^{4}+545\,x^{3}+1131\,x^{2}+251\,x+1)}{(x-1)^{5}}$$

Sequence: A016936
Score: 7.13317
Type of gen. func.: lgdogf

$$-\frac{2\,(8\,x^{4}+577\,x^{3}+2514\,x^{2}+1633\,x+128)}{(x-1)\,(16\,x^{4}+545\,x^{3}+1131\,x^{2}+251\,x+1)}$$

Sequence: A016937
Score: 4.04311
Type of gen. func.: ogf

$$\frac{32\,(32\,x^{5}+2933\,x^{4}+14498\,x^{3}+10678\,x^{2}+1018\,x+1)}{(x-1)^{6}}$$

Sequence: A016937
Score: 5.04761
Type of gen. func.: lgdogf

$$-\frac{2\,(16\,x^{5}+3013\,x^{4}+27613\,x^{3}+43103\,x^{2}+13223\,x+512)}{(x-1)\,(32\,x^{5}+2933\,x^{4}+14498\,x^{3}+10678\,x^{2}+1018\,x+1)}$$

Sequence: A016938
Score: 3.25294
Type of gen. func.: ogf

$$-\frac{64\,(64\,x^{6}+15177\,x^{5}+154113\,x^{4}+262438\,x^{3}+88998\,x^{2}+4089\,x+1)}{(x-1)^{7}}$$

Sequence: A016945
Score: 12.9761
Type of gen. func.: ogf

$$-f(x)\,x^{2}+2\,f(x)\,x-f(x)+3\,x+3$$

Sequence: A016945
Score: 18.1666
Type of gen. func.: ogf

$$\frac{3\,(x + 1)}{(x - 1)^{2}}$$

Sequence: A016945
Score: 22.8990
Type of gen. func.: revogf

$$-\frac{-3 - 2\,x + (9 + 24\,x)^{1/2}}{2\,(-3 + x)}$$

Sequence: A016945
Score: 38.7501
Type of gen. func.: ogf_with_Euler_transform]

$$[3 - x]$$

Sequence: A016945
Score: 44.5259
Type of gen. func.: lgdogf

$$-\frac{x + 3}{(x - 1)\,(x + 1)}$$

Sequence: A016945
Score: 9.96945
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\,a(n + 1) - a(n),\ a(0) = 3,\ a(1) = 9\}$$

Sequence: A016946
Score: 12.9706
Type of gen. func.: ogf

^{2}

$$-\frac{9 (x + 6 x + 1)}{(x - 1)^{3}}$$

Sequence: A016946
Score: 18.5585
Type of gen. func.: lgdogf

$$-\frac{x^{2} + 14 x + 9}{(x - 1) (x^{2} + 6 x + 1)}$$

Sequence: A016946
Score: 6.99283
Type of gen. func.: ogf

$$(13 f(x) - 462) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 9 x^{2} - f(x) + 54 x + 9)$$

Sequence: A016946
Score: 6.99283
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 9, a(1) = 81, a(2) = 225\}$$

Sequence: A016947
Score: 11.4373
Type of gen. func.: lgdogf

$$-\frac{x^{3} + 49 x^{2} + 115 x + 27}{(x - 1) (x + 1) (x^{2} + 22 x + 1)}$$

Sequence: A016947
Score: 5.1758
Type of gen. func.: ogf

$$-(64 f(x) + 31973) (f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 27 x^{3} - 4 f(x) x - 621 x^{2} + f(x) - 621 x - 27)$$

Sequence: A016947
Score: 6.63166
Type of gen. func.: ogf

$$\frac{27 (x + 1) (x^2 + 22 x + 1)}{(x - 1)^4}$$

Sequence: A016948
Score: 4.97936
Type of gen. func.: ogf

$$- \frac{81 (x^4 + 76 x^3 + 230 x^2 + 76 x + 1)}{(x - 1)^5}$$

Sequence: A016948
Score: 8.00943
Type of gen. func.: lgdogf

$$- \frac{x^4 + 156 x^3 + 918 x^2 + 764 x + 81}{(x - 1) (x^4 + 76 x^3 + 230 x^2 + 76 x + 1)}$$

Sequence: A016949
Score: 4.06508
Type of gen. func.: ogf

$$\frac{243 (x + 1) (x^4 + 236 x^3 + 1446 x^2 + 236 x + 1)}{(x - 1)^6}$$

Sequence: A016949
Score: 6.12579
Type of gen. func.: lgdogf

5 4 3 2

$$-\frac{x + 479\,x + 5994\,x + 11774\,x + 4549\,x + 243}{(x - 1)\,(x + 1)\,(x^{4} + 236\,x^{3} + 1446\,x^{2} + 236\,x + 1)}$$

Sequence: A016950
Score: 3.30541
Type of gen. func.: ogf

$$-\frac{729\,(x^{6} + 722\,x^{5} + 10543\,x^{4} + 23548\,x^{3} + 10543\,x^{2} + 722\,x + 1)}{(x - 1)^{7}}$$

Sequence: A016957
Score: 18.3447
Type of gen. func.: ogf

$$\frac{2\,(x + 2)}{(x - 1)^{2}}$$

Sequence: A016957
Score: 28.9100
Type of gen. func.: revogf

$$-\frac{-2 - x + (4 + 6\,x)^{1/2}}{-2 + x}$$

Sequence: A016957
Score: 44.9711
Type of gen. func.: lgdogf

$$-\frac{x + 5}{(x + 2)\,(x - 1)}$$

Sequence: A016957
Score: 9.59896
Type of gen. func.: ogf

2

```
              (3 f(x) + 13) (f(x) x  - 2 f(x) x + f(x) - 2 x - 4)



--------------------------------------------------------------------------------

Sequence:  A016957
Score: 9.94590
Type of gen. func.: ogf


              {-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 4, a(1) = 10}



--------------------------------------------------------------------------------

Sequence:  A016958
Score: 16.9618
Type of gen. func.: lgdogf


                                   2
                                  x  + 28 x + 25
                            - -----------------------
                                         2
                              (x - 1) (x  + 13 x + 4)



--------------------------------------------------------------------------------

Sequence:  A016958
Score: 4.77897
Type of gen. func.: ogf


                              3           2                2
 (1221 f(x) - 48929) (f(x) x  - 3 f(x) x  + 3 f(x) x + 4 x  - f(x) + 52 x + 16)



--------------------------------------------------------------------------------

Sequence:  A016958
Score: 4.90150
Type of gen. func.: ogf


 {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 16, a(1) = 100, a(2) = 256}



--------------------------------------------------------------------------------

Sequence:  A016958
Score: 9.10279
Type of gen. func.: ogf


                                     2
                                 4 (x  + 13 x + 4)
                               - -----------------
                                            3
                                     (x - 1)



--------------------------------------------------------------------------------

Sequence:  A016959
```

Score: 10.9442
Type of gen. func.: lgdogf

$$-\frac{x^3 + 123 x^2 + 399 x + 125}{(x - 1) (x^3 + 60 x^2 + 93 x + 8)}$$

Sequence: A016959
Score: 3.70917
Type of gen. func.: ogf

$$(3173 f(x) + 1752734) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 8 x^3 - 4 f(x) x - 480 x^2 + f(x) - 744 x - 64)$$

Sequence: A016959
Score: 6.83030
Type of gen. func.: ogf

$$\frac{8 (x^3 + 60 x^2 + 93 x + 8)}{(x - 1)^4}$$

Sequence: A016960
Score: 5.01782
Type of gen. func.: ogf

$$-\frac{16 (x^4 + 251 x^3 + 1131 x^2 + 545 x + 16)}{(x - 1)^5}$$

Sequence: A016960
Score: 7.35759
Type of gen. func.: lgdogf

$$-\frac{x^4 + 506 x^3 + 4146 x^2 + 4442 x + 625}{(x - 1) (x^4 + 251 x^3 + 1131 x^2 + 545 x + 16)}$$

Sequence: A016961
Score: 3.86101
Type of gen. func.: ogf

$$\frac{32 (x^5 + 1018 x^4 + 10678 x^3 + 14498 x^2 + 2933 x + 32)}{(x - 1)^6}$$

Sequence: A016961
Score: 5.10924
Type of gen. func.: lgdogf

$$- \frac{x^5 + 2041 x^4 + 36106 x^3 + 90026 x^2 + 43661 x + 3125}{(x - 1) (x^5 + 1018 x^4 + 10678 x^3 + 14498 x^2 + 2933 x + 32)}$$

Sequence: A016962
Score: 3.37537
Type of gen. func.: ogf

$$- \frac{64 (x^6 + 4089 x^5 + 88998 x^4 + 262438 x^3 + 154113 x^2 + 15177 x + 64)}{(x - 1)^7}$$

Sequence: A016969
Score: 10.1846
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 5, a(1) = 11\}$$

Sequence: A016969
Score: 18.7850
Type of gen. func.: ogf

$$\frac{x + 5}{(x - 1)^2}$$

Sequence: A016969
Score: 23.6921
Type of gen. func.: revogf

$$-\frac{-5 - 2 x + (25 + 24 x)^{1/2}}{2 (x - 1)}$$

Sequence: A016969
Score: 43.6433
Type of gen. func.: lgdogf

$$-\frac{x + 11}{(x + 5) (x - 1)}$$

Sequence: A016969
Score: 9.71637
Type of gen. func.: ogf

$$(12 f(x) + 61) (f(x) x^2 - 2 f(x) x + f(x) - x - 5)$$

Sequence: A016970
Score: 12.0676
Type of gen. func.: ogf

$$-\frac{x^2 + 46 x + 25}{(x - 1)^3}$$

Sequence: A016970
Score: 15.9926
Type of gen. func.: lgdogf

$$-\frac{x^2 + 94 x + 121}{(x - 1) (x^2 + 46 x + 25)}$$

Sequence: A016970
Score: 6.2831
Type of gen. func.: ogf

$$(2802 f(x) - 125063) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 46 x + 25)$$

Sequence: A016970
Score: 6.49791
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 25, a(1) = 121, a(2) = 289\}$$

Sequence: A016971
Score: 3.63155
Type of gen. func.: ogf

$$(238720 f(x) + 145075143) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 339 x^2 + f(x) - 831 x - 125)$$

Sequence: A016971
Score: 6.82558
Type of gen. func.: ogf

$$\frac{x^3 + 339 x^2 + 831 x + 125}{(x - 1)^4}$$

Sequence: A016971
Score: 9.88656
Type of gen. func.: lgdogf

$$- \frac{x^3 + 681 x^2 + 3171 x + 1331}{(x - 1) (x^3 + 339 x^2 + 831 x + 125)}$$

Sequence: A016972
Score: 5.01782
Type of gen. func.: ogf

$$-\frac{x^4 + 2396 x^3 + 16566 x^2 + 11516 x + 625}{(x - 1)^5}$$

Sequence: A016972
Score: 6.46032
Type of gen. func.: lgdogf

$$-\frac{x^4 + 4796 x^3 + 56886 x^2 + 79196 x + 14641}{(x - 1) (x^4 + 2396 x^3 + 16566 x^2 + 11516 x + 625)}$$

Sequence: A016973
Score: 3.86101
Type of gen. func.: ogf

$$\frac{x^5 + 16801 x^4 + 270466 x^3 + 500426 x^2 + 142301 x + 3125}{(x - 1)^6}$$

Sequence: A016974
Score: 3.05999
Type of gen. func.: ogf

$$- (x^6 + 117642 x^5 + 4003287 x^4 + 15728812 x^3 + 12064767 x^2 + 1662186 x + 15625) / (x - 1)^7$$

Sequence: A016981
Score: 12.0753
Type of gen. func.: lgdogf

$$-\frac{360 x^2 - 164 x + 17}{(-1 + 4 x) (3 x - 1) (10 x - 1)}$$

```
Sequence:  A016981
Score: 13.5354
Type of gen. func.: ogf


                                        1
                      - ------------------------------
                        (-1 + 4 x) (3 x - 1) (10 x - 1)



------------------------------------------------------------------------------

Sequence:  A016981
Score: 4.66345
Type of gen. func.: ogf


{a(n + 3) - 17 a(n + 2) + 82 a(n + 1) - 120 a(n), a(0) = 1, a(1) = 17,

    a(2) = 207}



------------------------------------------------------------------------------

Sequence:  A016981
Score: 4.78406
Type of gen. func.: ogf


                                         3            2
  (14491061 f(x) - 7241400) (120 f(x) x  - 82 f(x) x  + 17 f(x) x - f(x) + 1)



------------------------------------------------------------------------------

Sequence:  A016982
Score: 10.0448
Type of gen. func.: ogf


                                      49 x (x + 1)
                                    - ------------
                                              3
                                         (x - 1)



------------------------------------------------------------------------------

Sequence:  A016982
Score: 27.9625
Type of gen. func.: ogf_with_Euler_transform]


                                       [4 - x]



------------------------------------------------------------------------------

Sequence:  A016982
Score: 29.1122
Type of gen. func.: lgdogf


                                       2 (x + 2)
                                  - ---------------
```

$$(x - 1) (x + 1)$$

Sequence: A016982
Score: 5.19861
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 49, a(2) = 196\}$$

Sequence: A016982
Score: 6.81196
Type of gen. func.: ogf

$$f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 49 x^2 - f(x) + 49 x$$

Sequence: A016983
Score: 24.4768
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 + 7 x + 4)}{(x - 1) (x^2 + 4 x + 1)}$$

Sequence: A016983
Score: 3.89046
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-2 + 3 n) a(n + 3) + (-17 - 3 n) a(n + 2)$$

$$+ (-2 - n) a(n + 1), a(0) = 0, a(1) = 343, a(2) = 2744, a(3) = 9261\}$$

Sequence: A016983
Score: 5.25598
Type of gen. func.: ogf

$$-(660 f(x) + 372841) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 343 x^3 - 4 f(x) x$$

$$- 1372 x^2 + f(x) - 343 x)$$

Sequence: A016983
Score: 9.92068
Type of gen. func.: ogf

$$\frac{343 x (x^2 + 4 x + 1)}{(x - 1)^4}$$

Sequence: A016984
Score: 11.1416
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 + 18 x^2 + 33 x + 8)}{(x - 1) (x + 1) (x^2 + 10 x + 1)}$$

Sequence: A016984
Score: 5.07420
Type of gen. func.: ogf

$$-\frac{2401 x (x + 1) (x^2 + 10 x + 1)}{(x - 1)^5}$$

Sequence: A016985
Score: 5.55837
Type of gen. func.: ogf

$$\frac{16807 x (x^4 + 26 x^3 + 66 x^2 + 26 x + 1)}{(x - 1)^6}$$

Sequence: A016985
Score: 8.28973
Type of gen. func.: lgdogf

$$-\frac{2 (x^4 + 41 x^3 + 171 x^2 + 131 x + 16)}{(x - 1) (x^4 + 26 x^3 + 66 x^2 + 26 x + 1)}$$

Sequence: A016986
Score: 3.32594
Type of gen. func.: ogf

$$-\frac{117649\,x\,(x+1)\,(x^4+56\,x^3+246\,x^2+56\,x+1)}{(x-1)^7}$$

Sequence: A016986
Score: 6.50589
Type of gen. func.: lgdogf

$$-\frac{2\,(x^5+88\,x^4+718\,x^3+1208\,x^2+473\,x+32)}{(x-1)\,(x+1)\,(x^4+56\,x^3+246\,x^2+56\,x+1)}$$

Sequence: A016993
Score: 10.0672
Type of gen. func.: ogf

$$\{-a(n+2)+2\,a(n+1)-a(n),\ a(0)=1,\ a(1)=8\}$$

Sequence: A016993
Score: 18.3447
Type of gen. func.: ogf

$$\frac{6\,x+1}{(x-1)^2}$$

Sequence: A016993
Score: 23.1280
Type of gen. func.: revogf

$$-\frac{-1-2\,x+(1+28\,x)^{1/2}}{2\,(-6+x)}$$

Sequence: A016993
Score: 33.7284
Type of gen. func.: lgdogf

$$-\frac{2 (4 + 3 x)}{(6 x + 1) (x - 1)}$$

Sequence: A016993
Score: 9.59896
Type of gen. func.: ogf

$$(7 f(x) + 25) (f(x) x^2 - 2 f(x) x + f(x) - 6 x - 1)$$

Sequence: A016994
Score: 14.2011
Type of gen. func.: lgdogf

$$-\frac{2 (18 x^2 + 97 x + 32)}{(x - 1) (36 x^2 + 61 x + 1)}$$

Sequence: A016994
Score: 4.84639
Type of gen. func.: ogf

$$(37268 f(x) - 1374603) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 36 x^2 - f(x) + 61 x + 1)$$

Sequence: A016994
Score: 5.18354
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 64, a(2) = 225\}$$

Sequence: A016994
Score: 9.46202
Type of gen. func.: ogf

$$-\frac{36 x^{2} + 61 x + 1}{(x - 1)^{3}}$$

Sequence: A016995
Score: 3.59028
Type of gen. func.: ogf

$$(158249 f(x) + 98978389) (f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 216 x^{3} - 4 f(x) x - 1333 x^{2} + f(x) - 508 x - 1)$$

Sequence: A016995
Score: 6.66768
Type of gen. func.: ogf

$$\frac{216 x^{3} + 1333 x^{2} + 508 x + 1}{(x - 1)^{4}}$$

Sequence: A016995
Score: 8.41861
Type of gen. func.: lgdogf

$$-\frac{2 (108 x^{3} + 1657 x^{2} + 2095 x + 256)}{(x - 1) (216 x^{3} + 1333 x^{2} + 508 x + 1)}$$

Sequence: A016996
Score: 4.94385
Type of gen. func.: ogf

$$-\frac{1296 x^{4} + 22081 x^{3} + 30155 x^{2} + 4091 x + 1}{(x - 1)^{5}}$$

Sequence: A016996
Score: 5.78793
Type of gen. func.: lgdogf

$$-\frac{2\,(648\,x^4+24673\,x^3+78354\,x^2+38337\,x+2048)}{(x-1)\,(1296\,x^4+22081\,x^3+30155\,x^2+4091\,x+1)}$$

Sequence: A016997
Score: 3.76819
Type of gen. func.: ogf

$$\frac{7776\,x^5+324637\,x^4+1088882\,x^3+562782\,x^2+32762\,x+1}{(x-1)^6}$$

Sequence: A016998
Score: 3.31693
Type of gen. func.: ogf

$$-(46656\,x^6+4500217\,x^5+31192113\,x^4+39150518\,x^3+9555638\,x^2+262137\,x+1)\,/\,(x-1)^7$$

Sequence: A017005
Score: 10.1161
Type of gen. func.: ogf

$$\{-a(n+2)+2\,a(n+1)-a(n),\ a(0)=2,\ a(1)=9\}$$

Sequence: A017005
Score: 18.4337
Type of gen. func.: ogf

$$\frac{5\,x+2}{(x-1)^2}$$

Sequence: A017005
Score: 29.0531
Type of gen. func.: revogf

$$-\frac{-1 - x + (1 + 7 x)^{1/2}}{-5 + x}$$

Sequence: A017005
Score: 36.9767
Type of gen. func.: lgdogf

$$-\frac{9 + 5 x}{(5 x + 2) (x - 1)}$$

Sequence: A017005
Score: 9.53469
Type of gen. func.: ogf

$$(14 f(x) + 53) (f(x) x^2 - 2 f(x) x + f(x) - 5 x - 2)$$

Sequence: A017006
Score: 14.6428
Type of gen. func.: lgdogf

$$-\frac{25 x^2 + 188 x + 81}{(x - 1) (25 x^2 + 69 x + 4)}$$

Sequence: A017006
Score: 4.87457
Type of gen. func.: ogf

$$(43428 f(x) - 1782637)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 25 x^2 - f(x) + 69 x + 4)$$

Sequence: A017006
Score: 5.21368

Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 4, a(1) = 81, a(2) = 256\}$$

Sequence: A017006
Score: 9.51703
Type of gen. func.: ogf

$$-\frac{25 x^2 + 69 x + 4}{(x - 1)^3}$$

Sequence: A017007
Score: 3.54279
Type of gen. func.: ogf

$$(2250612 f(x) + 1553776907) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 125 x^3 - 4 f(x) x - 1228 x^2 + f(x) - 697 x - 8)$$

Sequence: A017007
Score: 6.70600
Type of gen. func.: ogf

$$\frac{125 x^3 + 1228 x^2 + 697 x + 8}{(x - 1)^4}$$

Sequence: A017007
Score: 8.73696
Type of gen. func.: lgdogf

$$-\frac{125 x^3 + 2831 x^2 + 4547 x + 729}{(x - 1) (125 x^3 + 1228 x^2 + 697 x + 8)}$$

Sequence: A017008
Score: 4.99972

Type of gen. func.: ogf

$$-\frac{625 x^4 + 17611 x^3 + 32891 x^2 + 6481 x + 16}{(x - 1)^5}$$

Sequence: A017008
Score: 5.91990
Type of gen. func.: lgdogf

$$-\frac{625 x^4 + 37722 x^3 + 151506 x^2 + 91706 x + 6561}{(x - 1) (625 x^4 + 17611 x^3 + 32891 x^2 + 6481 x + 16)}$$

Sequence: A017009
Score: 3.80424
Type of gen. func.: ogf

$$\frac{3125 x^5 + 230082 x^4 + 1029982 x^3 + 694762 x^2 + 58857 x + 32}{(x - 1)^6}$$

Sequence: A017010
Score: 4.25899
Type of gen. func.: ogf

$$- (15625 x^6 + 2876609 x^5 + 26472118 x^4 + 41753398 x^3 + 13058473 x^2 + 530993 x + 64) / (x - 1)^7$$

Sequence: A017011
Score: 3.45682
Type of gen. func.: ogf

$$(78125 x^7 + 35206808 x^6 + 609404775 x^5 + 1879751888 x^4 + 1391257763 x^3 + 230175288 x^2 + 4781945 x + 128) / (x - 1)^8$$

Sequence: A017017
Score: 10.0425
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 3, a(1) = 10\}$$

Sequence: A017017
Score: 18.5228
Type of gen. func.: ogf

$$\frac{4 x + 3}{(x - 1)^2}$$

Sequence: A017017
Score: 23.3570
Type of gen. func.: revogf

$$- \frac{-3 - 2 x + (9 + 28 x)^{1/2}}{2 (x - 4)}$$

Sequence: A017017
Score: 34.0623
Type of gen. func.: lgdogf

$$- \frac{2 (5 + 2 x)}{(4 x + 3) (x - 1)}$$

Sequence: A017017
Score: 9.69215
Type of gen. func.: ogf

$$(7 f(x) + 29) (f(x) x^2 - 2 f(x) x + f(x) - 4 x - 3)$$

Sequence: A017018
Score: 14.7294
Type of gen. func.: lgdogf

$$-\frac{2\,(8\,x^2 + 89\,x + 50)}{(x - 1)\,(16\,x^2 + 73\,x + 9)}$$

Sequence: A017018
Score: 4.90275
Type of gen. func.: ogf

$$(50036\,f(x) - 2292831)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 16\,x^2 - f(x) + 73\,x + 9)$$

Sequence: A017018
Score: 5.19861
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 9,\ a(1) = 100,\ a(2) = 289\}$$

Sequence: A017018
Score: 9.57205
Type of gen. func.: ogf

$$-\frac{16\,x^2 + 73\,x + 9}{(x - 1)^3}$$

Sequence: A017019
Score: 3.62892
Type of gen. func.: ogf

$$(660387\,f(x) + 500822593)\,(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - 64\,x^3 - 4\,f(x)\,x - 1075\,x^2 + f(x) - 892\,x - 27)$$

Sequence: A017019
Score: 6.78264
Type of gen. func.: ogf

$$\frac{64 x^3 + 1075 x^2 + 892 x + 27}{(x - 1)^4}$$

Sequence: A017019
Score: 8.70103
Type of gen. func.: lgdogf

$$- \frac{2 (32 x^3 + 1171 x^2 + 2413 x + 500)}{(x - 1) (64 x^3 + 1075 x^2 + 892 x + 27)}$$

Sequence: A017020
Score: 5.02765
Type of gen. func.: ogf

$$- \frac{256 x^4 + 13361 x^3 + 34331 x^2 + 9595 x + 81}{(x - 1)^5}$$

Sequence: A017020
Score: 5.88830
Type of gen. func.: lgdogf

$$- \frac{2 (128 x^4 + 13873 x^3 + 71538 x^2 + 53521 x + 5000)}{(x - 1) (256 x^4 + 13361 x^3 + 34331 x^2 + 9595 x + 81)}$$

Sequence: A017021
Score: 4.51562
Type of gen. func.: ogf

$$\frac{1024 x^5 + 154907 x^4 + 938622 x^3 + 823502 x^2 + 98542 x + 243}{(x - 1)^6}$$

Sequence: A017022
Score: 3.03983
Type of gen. func.: ogf

$$-\left(4096 x^{6} + 1742889 x^{5} + 21697313 x^{4} + 43114478 x^{3} + 17152878 x^{2} + 994897 x + 729\right) / (x - 1)^{7}$$

Sequence: A017029
Score: 10.0425
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 4, a(1) = 11\}$$

Sequence: A017029
Score: 18.5228
Type of gen. func.: ogf

$$\frac{4 + 3 x}{(x - 1)^{2}}$$

Sequence: A017029
Score: 29.1963
Type of gen. func.: revogf

$$-\frac{-2 - x + (4 + 7 x)^{1/2}}{-3 + x}$$

Sequence: A017029
Score: 35.5433
Type of gen. func.: lgdogf

$$-\frac{11 + 3 x}{(4 + 3 x) (x - 1)}$$

Sequence: A017029
Score: 9.58075
Type of gen. func.: ogf

$$(14 f(x) + 65) (f(x) x^2 - 2 f(x) x + f(x) - 3 x - 4)$$

Sequence: A017030
Score: 14.2511
Type of gen. func.: lgdogf

$$- \frac{9 x^2 + 164 x + 121}{(x - 1) (9 x^2 + 73 x + 16)}$$

Sequence: A017030
Score: 4.74616
Type of gen. func.: ogf

$$(57092 f(x) - 2911137)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 9 x^2 - f(x) + 73 x + 16)$$

Sequence: A017030
Score: 4.98956
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 16, a(1) = 121, a(2) = 324\}$

Sequence: A017030
Score: 9.26632
Type of gen. func.: ogf

$$- \frac{9 x^2 + 73 x + 16}{(x - 1)^3}$$

Sequence: A017031
Score: 3.60596
Type of gen. func.: ogf

$$(1024604 f(x) + 849229071) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 27 x^3 - 4 f(x) x$$

$$- 892 x^2 + f(x) - 1075 x - 64)$$

Sequence: A017031
Score: 6.78264
Type of gen. func.: ogf

$$\frac{27 x^3 + 892 x^2 + 1075 x + 64}{(x - 1)^4}$$

Sequence: A017031
Score: 8.83915
Type of gen. func.: lgdogf

$$- \frac{27 x^3 + 1865 x^2 + 5009 x + 1331}{(x - 1) (27 x^3 + 892 x^2 + 1075 x + 64)}$$

Sequence: A017032
Score: 5.56350
Type of gen. func.: lgdogf

$$- \frac{81 x^4 + 19514 x^3 + 131778 x^2 + 122106 x + 14641}{(x - 1) (81 x^4 + 9595 x^3 + 34331 x^2 + 13361 x + 256)}$$

Sequence: A017032
Score: 6.99445
Type of gen. func.: ogf

$$- \frac{81 x^4 + 9595 x^3 + 34331 x^2 + 13361 x + 256}{(x - 1)^5}$$

Sequence: A017033
Score: 3.86799
Type of gen. func.: ogf

$$\frac{243 x^5 + 98542 x^4 + 823502 x^3 + 938622 x^2 + 154907 x + 1024}{(x - 1)^6}$$

Sequence: A017034
Score: 3.07323
Type of gen. func.: ogf

$$- (729 x^6 + 994897 x^5 + 17152878 x^4 + 43114478 x^3 + 21697313 x^2 + 1742889 x + 4096) / (x - 1)^7$$

Sequence: A017041
Score: 10.0425
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 5, a(1) = 12\}$$

Sequence: A017041
Score: 18.5228
Type of gen. func.: ogf

$$\frac{5 + 2 x}{(x - 1)^2}$$

Sequence: A017041
Score: 22.7082
Type of gen. func.: revogf

$$- \frac{-5 - 2 x + (25 + 28 x)^{1/2}}{2 (-2 + x)}$$

Sequence: A017041
Score: 37.1589
Type of gen. func.: lgdogf

$$-\frac{2\,(6 + x)}{(5 + 2\,x)\,(x - 1)}$$

Sequence: A017041
Score: 9.69215
Type of gen. func.: ogf

$$(7\,f(x) + 37)\,(f(x)\,x^{2} - 2\,f(x)\,x + f(x) - 2\,x - 5)$$

Sequence: A017042
Score: 14.2511
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^{2} + 73\,x + 72)}{(x - 1)\,(4\,x^{2} + 69\,x + 25)}$$

Sequence: A017042
Score: 4.74616
Type of gen. func.: ogf

$$(64596\,f(x) - 3638611)$$

$$(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x + 4\,x^{2} - f(x) + 69\,x + 25)$$

Sequence: A017042
Score: 4.98956
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 25,\ a(1) = 144,\ a(2) = 361\}$$

Sequence: A017042
Score: 9.26632
Type of gen. func.: ogf

$$-\frac{4\,x^{2} + 69\,x + 25}{(x - 1)^{3}}$$

Sequence: A017043
Score: 3.66993
Type of gen. func.: ogf

$$(887355 f(x) + 800225159) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 8 x^3 - 4 f(x) x - 697 x^2 + f(x) - 1228 x - 125)$$

Sequence: A017043
Score: 6.85929
Type of gen. func.: ogf

$$\frac{8 x^3 + 697 x^2 + 1228 x + 125}{(x - 1)^4}$$

Sequence: A017043
Score: 9.08555
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^3 + 709 x^2 + 2539 x + 864)}{(x - 1) (8 x^3 + 697 x^2 + 1228 x + 125)}$$

Sequence: A017044
Score: 4.75469
Type of gen. func.: ogf

$$- \frac{16 x^4 + 6481 x^3 + 32891 x^2 + 17611 x + 625}{(x - 1)^5}$$

Sequence: A017044
Score: 5.68852
Type of gen. func.: lgdogf

4 3 2

```
           2 (8 x  + 6513 x  + 59058 x  + 68113 x + 10368)
     - -------------------------------------------------------
                    4         3          2
       (x - 1) (16 x  + 6481 x  + 32891 x  + 17611 x + 625)
```

Sequence: A017045
Score: 3.91050
Type of gen. func.: ogf

```
      5           4            3             2
  32 x  + 58857 x  + 694762 x  + 1029982 x  + 230082 x + 3125
  -----------------------------------------------------------
                                6
                         (x - 1)
```

Sequence: A017046
Score: 3.10664
Type of gen. func.: ogf

```
       6            5              4              3              2
- (64 x  + 530993 x  + 13058473 x  + 41753398 x  + 26472118 x  + 2876609 x

                  /        7
     + 15625)  /  (x - 1)
               /
```

Sequence: A017053
Score: 10.0425
Type of gen. func.: ogf

```
{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 6, a(1) = 13}
```

Sequence: A017053
Score: 18.5228
Type of gen. func.: ogf

```
   6 + x
  --------
         2
  (x - 1)
```

Sequence: A017053
Score: 30.2776
Type of gen. func.: revogf

$$-\frac{-3 - x + (9 + 7 x)}{x - 1}$$

Sequence: A017053
Score: 43.0261
Type of gen. func.: lgdogf

$$-\frac{x + 13}{(6 + x) (x - 1)}$$

Sequence: A017053
Score: 9.58075
Type of gen. func.: ogf

$$(14 f(x) + 85) (f(x) x^2 - 2 f(x) x + f(x) - x - 6)$$

Sequence: A017054
Score: 15.8345
Type of gen. func.: lgdogf

$$-\frac{x^2 + 124 x + 169}{(x - 1) (x^2 + 61 x + 36)}$$

Sequence: A017054
Score: 4.74616
Type of gen. func.: ogf

$$(72548 f(x) - 4470453) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 61 x + 36)$$

Sequence: A017054
Score: 4.98956
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 36, a(1) = 169, a(2) = 400\}$$

Sequence: A017054
Score: 9.26632
Type of gen. func.: ogf

$$-\frac{x^2 + 61 x + 36}{(x - 1)^3}$$

Sequence: A017055
Score: 3.62377
Type of gen. func.: ogf

$$(4070388 f(x) + 3980895343) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 508 x^2 + f(x) - 1333 x - 216)$$

Sequence: A017055
Score: 6.85929
Type of gen. func.: ogf

$$\frac{x^3 + 508 x^2 + 1333 x + 216}{(x - 1)^4}$$

Sequence: A017055
Score: 9.71214
Type of gen. func.: lgdogf

$$-\frac{x^3 + 1019 x^2 + 5015 x + 2197}{(x - 1) (x^3 + 508 x^2 + 1333 x + 216)}$$

Sequence: A017056
Score: 4.78217
Type of gen. func.: ogf

$$-\frac{x^4 + 4091 x^3 + 30155 x^2 + 22081 x + 1296}{(x - 1)^5}$$

Sequence: A017056
Score: 5.99146
Type of gen. func.: lgdogf

$$- \frac{x^4 + 8186 x^3 + 102738 x^2 + 148634 x + 28561}{(x - 1) (x^4 + 4091 x^3 + 30155 x^2 + 22081 x + 1296)}$$

Sequence: A017057
Score: 3.93947
Type of gen. func.: ogf

$$\frac{x^5 + 32762 x^4 + 562782 x^3 + 1088882 x^2 + 324637 x + 7776}{(x - 1)^6}$$

Sequence: A017058
Score: 3.16143
Type of gen. func.: ogf

$$- (x^6 + 262137 x^5 + 9555638 x^4 + 39150518 x^3 + 31192113 x^2 + 4500217 x + 46656) \Big/ (x - 1)^7$$

Sequence: A017065
Score: 12.1396
Type of gen. func.: lgdogf

$$- \frac{2 (198 x^2 - 89 x + 9)}{(11 x - 1) (3 x - 1) (-1 + 4 x)}$$

Sequence: A017065
Score: 13.6059
Type of gen. func.: ogf

$$- \frac{1}{}$$

$$(11 x - 1) (3 x - 1) (-1 + 4 x)$$

Sequence: A017065
Score: 4.68774
Type of gen. func.: ogf

$$\{a(n + 3) - 18 a(n + 2) + 89 a(n + 1) - 132 a(n), a(0) = 1, a(1) = 18, a(2) = 235\}$$

Sequence: A017065
Score: 4.68775
Type of gen. func.: ogf

$$(722597129 f(x) - 331247664) (132 f(x) x^3 - 89 f(x) x^2 + 18 f(x) x - f(x) + 1)$$

Sequence: A017066
Score: 12.0261
Type of gen. func.: ogf

$$- \frac{64 x (x + 1)}{(x - 1)^3}$$

Sequence: A017066
Score: 33.5219
Type of gen. func.: ogf_with_Euler_transform]

$$[4 - x]$$

Sequence: A017066
Score: 34.9393
Type of gen. func.: lgdogf

$$- \frac{2 (x + 2)}{(x - 1) (x + 1)}$$

Sequence: A017066
Score: 6.22401

Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 64, a(2) = 256\}$$

Sequence: A017066
Score: 6.45033
Type of gen. func.: ogf

$$(f(x) + 16) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 64 x^2 - f(x) + 64 x)$$

Sequence: A017067
Score: 17.4021
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + 7 x + 4)}{(x - 1) (x^2 + 4 x + 1)}$$

Sequence: A017067
Score: 3.7518
Type of gen. func.: ogf

$$-(165 f(x) + 139136) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 512 x^3 - 4 f(x) x - 2048 x^2 + f(x) - 512 x)$$

Sequence: A017067
Score: 7.08154
Type of gen. func.: ogf

$$\frac{512 x (x^2 + 4 x + 1)}{(x - 1)^4}$$

Sequence: A017068
Score: 11.4008
Type of gen. func.: lgdogf

$$-\frac{2(x^3+18x^2+33x+8)}{(x-1)(x+1)(x^2+10x+1)}$$

Sequence: A017068
Score: 5.19018
Type of gen. func.: ogf

$$-\frac{4096x(x+1)(x^2+10x+1)}{(x-1)^5}$$

Sequence: A017069
Score: 3.94142
Type of gen. func.: ogf

$$\frac{32768x(x^4+26x^3+66x^2+26x+1)}{(x-1)^6}$$

Sequence: A017070
Score: 3.09577
Type of gen. func.: ogf

$$-\frac{262144x(x+1)(x^4+56x^3+246x^2+56x+1)}{(x-1)^7}$$

Sequence: A017070
Score: 6.12708
Type of gen. func.: lgdogf

$$-\frac{2(x^5+88x^4+718x^3+1208x^2+473x+32)}{(x-1)(x+1)(x^4+56x^3+246x^2+56x+1)}$$

Sequence: A017077

Score: 10.1649
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A017077
Score: 18.5228
Type of gen. func.: ogf

$$\frac{1 + 7 x}{(x - 1)^{2}}$$

Sequence: A017077
Score: 23.3570
Type of gen. func.: revogf

$$- \frac{-1 - 2 x + (1 + 32 x)^{1/2}}{2 (-7 + x)}$$

Sequence: A017077
Score: 37.1589
Type of gen. func.: lgdogf

$$- \frac{9 + 7 x}{(1 + 7 x) (x - 1)}$$

Sequence: A017077
Score: 9.58075
Type of gen. func.: ogf

$$(16 f(x) + 65) (f(x) x^{2} - 2 f(x) x + f(x) - 7 x - 1)$$

Sequence: A017078
Score: 14.1652
Type of gen. func.: lgdogf

$$- \frac{49 x^{2} + 254 x + 81}{}$$

$$(x - 1) (49 x^2 + 78 x + 1)$$

Sequence: A017078
Score: 4.79623
Type of gen. func.: ogf

$$(6816 f(x) - 324211) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 49 x^2 - f(x) + 78 x + 1)$$

Sequence: A017078
Score: 5.04647
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 81, a(2) = 289\}$$

Sequence: A017078
Score: 9.21181
Type of gen. func.: ogf

$$- \frac{49 x^2 + 78 x + 1}{(x - 1)^3}$$

Sequence: A017079
Score: 3.62892
Type of gen. func.: ogf

$$(452736 f(x) + 417388951) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 343 x^3 - 4 f(x) x - 2003 x^2 + f(x) - 725 x - 1)$$

Sequence: A017079
Score: 6.78264
Type of gen. func.: ogf

$$\frac{343 x^3 + 2003 x^2 + 725 x + 1}{(x - 1)^4}$$

Sequence: A017079
Score: 8.83915
Type of gen. func.: lgdogf

$$-\frac{343 x^3 + 5035 x^2 + 6181 x + 729}{(x - 1) (343 x^3 + 2003 x^2 + 725 x + 1)}$$

Sequence: A017080
Score: 5.05558
Type of gen. func.: ogf

$$-\frac{2401 x^4 + 38620 x^3 + 50726 x^2 + 6556 x + 1}{(x - 1)^5}$$

Sequence: A017081
Score: 3.81866
Type of gen. func.: ogf

$$\frac{16807 x^5 + 658533 x^4 + 2132198 x^3 + 1065578 x^2 + 59043 x + 1}{(x - 1)^6}$$

Sequence: A017082
Score: 3.03823
Type of gen. func.: ogf

$$- (117649 x^6 + 10567082 x^5 + 70772143 x^4 + 86337868 x^3 + 20417503 x^2 + 531434 x + 1) \bigg/ (x - 1)^7$$

Sequence: A017089
Score: 18.1720
Type of gen. func.: ogf

$$2 (1 + 3 x)$$

```
-----------
          2
   (x - 1)
```

Sequence: A017089
Score: 28.6352
Type of gen. func.: revogf

$$-\frac{-1 - x + (1 + 8 x)^{1/2}}{-6 + x}$$

Sequence: A017089
Score: 36.4448
Type of gen. func.: lgdogf

$$-\frac{5 + 3 x}{(1 + 3 x) (x - 1)}$$

Sequence: A017089
Score: 9.50862
Type of gen. func.: ogf

$$(4 f(x) + 17) (f(x) x^2 - 2 f(x) x + f(x) - 6 x - 2)$$

Sequence: A017089
Score: 9.85230
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 2, a(1) = 10\}$$

Sequence: A017090
Score: 15.4065
Type of gen. func.: lgdogf

$$-\frac{9 x^2 + 62 x + 25}{(x - 1) (9 x^2 + 22 x + 1)}$$

Sequence: A017090
Score: 5.03257
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 4, a(1) = 100, a(2) = 324\}$$

Sequence: A017090
Score: 6.94377
Type of gen. func.: ogf

$$(244 f(x) - 12729) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 36 x^2 - f(x) + 88 x + 4)$$

Sequence: A017090
Score: 9.26632
Type of gen. func.: ogf

$$- \frac{4 (9 x^2 + 22 x + 1)}{(x - 1)^3}$$

Sequence: A017091
Score: 5.4855
Type of gen. func.: ogf

$$(872 f(x) + 877077) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 216 x^3 - 4 f(x) x - 1880 x^2 + f(x) - 968 x - 8)$$

Sequence: A017091
Score: 6.82096
Type of gen. func.: ogf

$$\frac{8 (27 x^3 + 235 x^2 + 121 x + 1)}{(x - 1)^4}$$

Sequence: A017091

Score: 9.65664
Type of gen. func.: lgdogf

$$-\frac{27 x^3 + 551 x^2 + 833 x + 125}{(x - 1) (27 x^3 + 235 x^2 + 121 x + 1)}$$

Sequence: A017092
Score: 4.73870
Type of gen. func.: ogf

$$-\frac{16 (81 x^4 + 1996 x^3 + 3446 x^2 + 620 x + 1)}{(x - 1)^5}$$

Sequence: A017092
Score: 6.36593
Type of gen. func.: lgdogf

$$-\frac{81 x^4 + 4316 x^3 + 16326 x^2 + 9372 x + 625}{(x - 1) (81 x^4 + 1996 x^3 + 3446 x^2 + 620 x + 1)}$$

Sequence: A017093
Score: 3.55702
Type of gen. func.: ogf

$$\frac{32 (243 x^5 + 15349 x^4 + 63854 x^3 + 40314 x^2 + 3119 x + 1)}{(x - 1)^6}$$

Sequence: A017094
Score: 3.08993
Type of gen. func.: ogf

$$- 64 (729 x^6 + 112546 x^5 + 963327 x^4 + 1434812 x^3 + 422087 x^2 + 15618 x + 1) \Big/ (x - 1)^7$$

Sequence: A017101
Score: 18.1720
Type of gen. func.: ogf

$$\frac{5 x + 3}{(x - 1)^{2}}$$

Sequence: A017101
Score: 22.9081
Type of gen. func.: revogf

$$- \frac{-3 - 2 x + (9 + 32 x)^{1/2}}{2 (-5 + x)}$$

Sequence: A017101
Score: 34.8602
Type of gen. func.: lgdogf

$$- \frac{11 + 5 x}{(5 x + 3) (x - 1)}$$

Sequence: A017101
Score: 9.39933
Type of gen. func.: ogf

$$(16 f(x) + 73) (f(x) x^{2} - 2 f(x) x + f(x) - 5 x - 3)$$

Sequence: A017101
Score: 9.85230
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 3, a(1) = 11\}$$

Sequence: A017102
Score: 11.8071
Type of gen. func.: ogf

$$-\frac{25 x^2 + 94 x + 9}{(x - 1)^3}$$

Sequence: A017102
Score: 17.7904
Type of gen. func.: lgdogf

$$-\frac{25 x^2 + 238 x + 121}{(x - 1) (25 x^2 + 94 x + 9)}$$

Sequence: A017102
Score: 6.14751
Type of gen. func.: ogf

$$(8864 f(x) - 509121) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 25 x^2 - f(x) + 94 x + 9)$$

Sequence: A017102
Score: 6.41250
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 9, a(1) = 121, a(2) = 361\}$$

Sequence: A017103
Score: 3.57875
Type of gen. func.: ogf

$$(4248192 f(x) + 4645473083) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 125 x^3 - 4 f(x) x - 1697 x^2 + f(x) - 1223 x - 27)$$

Sequence: A017103
Score: 6.69977
Type of gen. func.: ogf

3   2

$$\frac{125 x + 1697 x + 1223 x + 27}{(x - 1)^{4}}$$

Sequence: A017103
Score: 8.53491
Type of gen. func.: lgdogf

$$- \frac{125 x^{3} + 3769 x^{2} + 7063 x + 1331}{(x - 1) (125 x^{3} + 1697 x^{2} + 1223 x + 27)}$$

Sequence: A017104
Score: 4.73870
Type of gen. func.: ogf

$$- \frac{625 x^{4} + 25436 x^{3} + 57926 x^{2} + 14236 x + 81}{(x - 1)^{5}}$$

Sequence: A017104
Score: 5.47607
Type of gen. func.: lgdogf

$$- \frac{625 x^{4} + 53372 x^{3} + 250086 x^{2} + 172796 x + 14641}{(x - 1) (625 x^{4} + 25436 x^{3} + 57926 x^{2} + 14236 x + 81)}$$

Sequence: A017105
Score: 4.50437
Type of gen. func.: ogf

$$\frac{3125 x^{5} + 352543 x^{4} + 1903218 x^{3} + 1513438 x^{2} + 159593 x + 243}{(x - 1)^{6}}$$

Sequence: A017106
Score: 3.06965

Type of gen. func.: ogf

$$-\left(15625 x^6 + 4717434 x^5 + 52306583 x^4 + 95276588 x^3 + 34660263 x^2 + 1766458 x + 729\right) \Big/ (x - 1)^7$$

Sequence: A017113
Score: 10.7154
Type of gen. func.: ogf

$$(4 f(x) + 65) (f(x) x^2 - 2 f(x) x + f(x) - 4 x - 4)$$

Sequence: A017113
Score: 11.1027
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 4, a(1) = 12\}$$

Sequence: A017113
Score: 20.4783
Type of gen. func.: ogf

$$\frac{4 (x + 1)}{(x - 1)^2}$$

Sequence: A017113
Score: 30.1738
Type of gen. func.: revogf

$$- \frac{-2 - x + 2 (2 x + 1)^{1/2}}{x - 4}$$

Sequence: A017113
Score: 43.6980
Type of gen. func.: ogf_with_Euler_transform]

$$[3 - x]$$

Sequence: A017113
Score: 50.2897
Type of gen. func.: lgdogf

$$-\frac{x + 3}{(x - 1)\ (x + 1)}$$

Sequence: A017114
Score: 17.2186
Type of gen. func.: lgdogf

$$-\frac{x^2 + 14\ x + 9}{(x - 1)\ (x^2 + 6\ x + 1)}$$

Sequence: A017114
Score: 4.82563
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 16, a(1) = 144, a(2) = 400}

Sequence: A017114
Score: 7.06514
Type of gen. func.: ogf

$$(39\ f(x) - 2464)\ (f(x)\ x^3 - 3\ f(x)\ x^2 + 3\ f(x)\ x + 16\ x^2 - f(x) + 96\ x + 16)$$

Sequence: A017114
Score: 8.82186
Type of gen. func.: ogf

$$-\frac{16\ (x^2 + 6\ x + 1)}{(x - 1)^3}$$

Sequence: A017115
Score: 11.3598
Type of gen. func.: lgdogf

$$-\frac{x^3 + 49 x^2 + 115 x + 27}{(x - 1) (x + 1) (x^2 + 22 x + 1)}$$

Sequence: A017115
Score: 5.56828
Type of gen. func.: ogf

$$(27 f(x) + 31973) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 64 x^3 - 4 f(x) x - 1472 x^2 + f(x) - 1472 x - 64)$$

Sequence: A017115
Score: 6.43088
Type of gen. func.: ogf

$$\frac{64 (x + 1) (x^2 + 22 x + 1)}{(x - 1)^4}$$

Sequence: A017116
Score: 4.74998
Type of gen. func.: ogf

$$-\frac{256 (x^4 + 76 x^3 + 230 x^2 + 76 x + 1)}{(x - 1)^5}$$

Sequence: A017116
Score: 7.92716
Type of gen. func.: lgdogf

$$-\frac{x^4 + 156 x^3 + 918 x^2 + 764 x + 81}{(x - 1) (x^4 + 76 x^3 + 230 x^2 + 76 x + 1)}$$

Sequence: A017117
Score: 3.54151
Type of gen. func.: ogf

$$\frac{1024 (x + 1) (x^4 + 236 x^3 + 1446 x^2 + 236 x + 1)}{(x - 1)^6}$$

Sequence: A017117
Score: 5.56872
Type of gen. func.: lgdogf

$$- \frac{x^5 + 479 x^4 + 5994 x^3 + 11774 x^2 + 4549 x + 243}{(x - 1) (x + 1) (x^4 + 236 x^3 + 1446 x^2 + 236 x + 1)}$$

Sequence: A017118
Score: 4.20715
Type of gen. func.: ogf

$$- \frac{4096 (x^6 + 722 x^5 + 10543 x^4 + 23548 x^3 + 10543 x^2 + 722 x + 1)}{(x - 1)^7}$$

Sequence: A017119
Score: 4.21182
Type of gen. func.: ogf

$$16384 (x + 1) (x^6 + 2178 x^5 + 58479 x^4 + 201244 x^3 + 58479 x^2 + 2178 x + 1) \Big/ (x - 1)^8$$

Sequence: A017126
Score: 13.4389
Type of gen. func.: lgdogf

$$9 x^2 + 206 x + 169$$

$$-\frac{}{(x - 1) (9 x^2 + 94 x + 25)}$$

Sequence: A017126
Score: 4.62786
Type of gen. func.: ogf

$$(11168 f(x) - 772863)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 9 x^2 - f(x) + 94 x + 25)$$

Sequence: A017126
Score: 4.82563
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 25, a(1) = 169, a(2) = 441\}$$

Sequence: A017126
Score: 8.96189
Type of gen. func.: ogf

$$-\frac{9 x^2 + 94 x + 25}{(x - 1)^3}$$

Sequence: A017127
Score: 3.41493
Type of gen. func.: ogf

$$(1846400 f(x) + 2358934223) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 27 x^3 - 4 f(x) x - 1223 x^2 + f(x) - 1697 x - 125)$$

Sequence: A017127
Score: 6.39306
Type of gen. func.: ogf

$$\frac{27 x^3 + 1223 x^2 + 1697 x + 125}{}$$

$$(x - 1)^4$$

Sequence: A017127
Score: 8.26293
Type of gen. func.: lgdogf

$$- \frac{27 x^3 + 2527 x^2 + 7537 x + 2197}{(x - 1) (27 x^3 + 1223 x^2 + 1697 x + 125)}$$

Sequence: A017128
Score: 4.79316
Type of gen. func.: ogf

$$- \frac{81 x^4 + 14236 x^3 + 57926 x^2 + 25436 x + 625}{(x - 1)^5}$$

Sequence: A017128
Score: 5.60071
Type of gen. func.: lgdogf

$$- \frac{81 x^4 + 28796 x^3 + 216486 x^2 + 217596 x + 28561}{(x - 1) (81 x^4 + 14236 x^3 + 57926 x^2 + 25436 x + 625)}$$

Sequence: A017129
Score: 3.56699
Type of gen. func.: ogf

$$\frac{243 x^5 + 159593 x^4 + 1513438 x^3 + 1903218 x^2 + 352543 x + 3125}{(x - 1)^6}$$

Sequence: A017130
Score: 4.25551
Type of gen. func.: ogf

$$-\left(729 x^6 + 1766458 x^5 + 34660263 x^4 + 95276588 x^3 + 52306583 x^2 + 4717434 x + 15625\right) \Big/ (x - 1)^7$$

Sequence: A017137
Score: 18.2607
Type of gen. func.: ogf

$$\frac{2 (x + 3)}{(x - 1)^2}$$

Sequence: A017137
Score: 28.7776
Type of gen. func.: revogf

$$-\frac{-3 - x + (9 + 8 x)^{1/2}}{-2 + x}$$

Sequence: A017137
Score: 44.7652
Type of gen. func.: lgdogf

$$-\frac{7 + x}{(x + 3) (x - 1)}$$

Sequence: A017137
Score: 9.55501
Type of gen. func.: ogf

$$(4 f(x) + 25) (f(x) x^2 - 2 f(x) x + f(x) - 2 x - 6)$$

Sequence: A017137
Score: 9.90036
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 6, a(1) = 14\}$$

Sequence: A017138
Score: 16.2057
Type of gen. func.: lgdogf

$$-\frac{x^2 + 46 x + 49}{(x - 1) (x^2 + 22 x + 9)}$$

Sequence: A017138
Score: 4.74453
Type of gen. func.: ogf

$$(388 f(x) - 29223) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) + 88 x + 36)$$

Sequence: A017138
Score: 4.82563
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 36, a(1) = 196, a(2) = 484\}$$

Sequence: A017138
Score: 8.96189
Type of gen. func.: ogf

$$-\frac{4 (x^2 + 22 x + 9)}{(x - 1)^3}$$

Sequence: A017139
Score: 12.7630
Type of gen. func.: lgdogf

$$-\frac{x^3 + 245 x^2 + 947 x + 343}{(x - 1) (x^3 + 121 x^2 + 235 x + 27)}$$

Sequence: A017139
Score: 4.45011
Type of gen. func.: ogf

$$(48984 f(x) + 67307119) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 8 x^3 - 4 f(x) x - 968 x^2 + f(x) - 1880 x - 216)$$

Sequence: A017139
Score: 8.21149
Type of gen. func.: ogf

$$\frac{8 (x^3 + 121 x^2 + 235 x + 27)}{(x - 1)^4}$$

Sequence: A017140
Score: 4.82040
Type of gen. func.: ogf

$$- \frac{16 (x^4 + 620 x^3 + 3446 x^2 + 1996 x + 81)}{(x - 1)^5}$$

Sequence: A017140
Score: 6.73067
Type of gen. func.: lgdogf

$$- \frac{x^4 + 1244 x^3 + 12198 x^2 + 14876 x + 2401}{(x - 1) (x^4 + 620 x^3 + 3446 x^2 + 1996 x + 81)}$$

Sequence: A017141
Score: 3.61907
Type of gen. func.: ogf

$$\frac{32 (x^5 + 3119 x^4 + 40314 x^3 + 63854 x^2 + 15349 x + 243)}{6}$$

$$(x - 1)$$

Sequence: A017142
Score: 4.35750
Type of gen. func.: ogf

$$-\frac{64 (x^6 + 15618 x^5 + 422087 x^4 + 1434812 x^3 + 963327 x^2 + 112546 x + 729)}{(x - 1)^7}$$

Sequence: A017149
Score: 2.38297
Type of gen. func.: ogf

$$(16 f(x) + 113) (f(x) x^2 - 2 f(x) x + f(x) - x - 7)$$

Sequence: A017149
Score: 4.66002
Type of gen. func.: ogf

$$\frac{7 + x}{(x - 1)^2}$$

Sequence: A017149
Score: 5.64909
Type of gen. func.: revogf

$$-\frac{-7 - 2 x + (49 + 32 x)^{1/2}}{2 (x - 1)}$$

Sequence: A017149
Score: 9.88591
Type of gen. func.: lgdogf

$$-\frac{15 + x}{(7 + x) (x - 1)}$$

Sequence: A017150
Score: 14.8917
Type of gen. func.: lgdogf

$$-\frac{x^2 + 158 x + 225}{(x - 1) (x^2 + 78 x + 49)}$$

Sequence: A017150
Score: 4.59023
Type of gen. func.: ogf

$$(13728 f(x) - 1116493) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 78 x + 49)$$

Sequence: A017150
Score: 4.82563
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 49, a(1) = 225, a(2) = 529}

Sequence: A017150
Score: 8.96189
Type of gen. func.: ogf

$$-\frac{x^2 + 78 x + 49}{(x - 1)^3}$$

Sequence: A017151
Score: 3.476
Type of gen. func.: ogf

$$(7060608 f(x) + 10411162183) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 725 x^2 + f(x) - 2003 x - 343)$$

Sequence: A017151
Score: 6.62094
Type of gen. func.: ogf

$$\frac{x^3 + 725 x^2 + 2003 x + 343}{(x - 1)^4}$$

Sequence: A017151
Score: 9.36977
Type of gen. func.: lgdogf

$$- \frac{x^3 + 1453 x^2 + 7459 x + 3375}{(x - 1) (x^3 + 725 x^2 + 2003 x + 343)}$$

Sequence: A017152
Score: 4.86462
Type of gen. func.: ogf

$$- \frac{x^4 + 6556 x^3 + 50726 x^2 + 38620 x + 2401}{(x - 1)^5}$$

Sequence: A017152
Score: 6.02629
Type of gen. func.: lgdogf

$$- \frac{x^4 + 13116 x^3 + 171846 x^2 + 255932 x + 50625}{(x - 1) (x^4 + 6556 x^3 + 50726 x^2 + 38620 x + 2401)}$$

Sequence: A017153
Score: 3.63974
Type of gen. func.: ogf

$$\frac{x^5 + 59043 x^4 + 1065578 x^3 + 2132198 x^2 + 658533 x + 16807}{(x - 1)^6}$$

Sequence: A017154
Score: 4.39143
Type of gen. func.: ogf

$$-(x^6 + 531434 x^5 + 20417503 x^4 + 86337868 x^3 + 70772143 x^2 + 10567082 x + 117649) \bigg/ (x - 1)^7$$

Sequence: A017161
Score: 12.5076
Type of gen. func.: ogf

$$-\frac{1}{(3 x - 1) (12 x - 1) (-1 + 4 x)}$$

Sequence: A017161
Score: 4.30934
Type of gen. func.: ogf

$$\{a(n + 3) - 19 a(n + 2) + 96 a(n + 1) - 144 a(n), a(0) = 1, a(1) = 19, a(2) = 265\}$$

Sequence: A017161
Score: 4.88392
Type of gen. func.: ogf

$$(26 f(x) - 11) (144 f(x) x^3 - 96 f(x) x^2 + 19 f(x) x - f(x) + 1)$$

Sequence: A017162
Score: 27.3716
Type of gen. func.: ogf_with_Euler_transform]

[4 - x]

Sequence: A017162
Score: 28.5021

Type of gen. func.: lgdogf

$$-\frac{2 (x + 2)}{(x - 1) (x + 1)}$$

Sequence: A017162
Score: 5.09074
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 81, a(2) = 324\}$$

Sequence: A017162
Score: 5.27585
Type of gen. func.: ogf

$$(4 f(x) + 81) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 81 x^2 - f(x) + 81 x)$$

Sequence: A017162
Score: 9.83634
Type of gen. func.: ogf

$$-\frac{81 x (x + 1)}{(x - 1)^3}$$

Sequence: A017163
Score: 16.4861
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + 7 x + 4)}{(x - 1) (x^2 + 4 x + 1)}$$

Sequence: A017163
Score: 3.55689
Type of gen. func.: ogf

$$-(220 f(x) + 264141) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 729 x^3 - 4 f(x) x$$

$- 2916 x^2 + f(x) - 729 x)$

Sequence: A017163
Score: 6.71362
Type of gen. func.: ogf

$$\frac{729 x (x^2 + 4 x + 1)}{(x - 1)^4}$$

Sequence: A017164
Score: 10.7719
Type of gen. func.: lgdogf

$$- \frac{2 (x^3 + 18 x^2 + 33 x + 8)}{(x - 1) (x + 1) (x^2 + 10 x + 1)}$$

Sequence: A017164
Score: 4.90730
Type of gen. func.: ogf

$$- \frac{6561 x (x + 1) (x^2 + 10 x + 1)}{(x - 1)^5}$$

Sequence: A017165
Score: 3.59437
Type of gen. func.: ogf

$$\frac{59049 x (x^4 + 26 x^3 + 66 x^2 + 26 x + 1)}{(x - 1)^6}$$

Sequence: A017165
Score: 7.27917
Type of gen. func.: lgdogf

$$-\frac{2\,(x^4 + 41\,x^3 + 171\,x^2 + 131\,x + 16)}{(x - 1)\,(x^4 + 26\,x^3 + 66\,x^2 + 26\,x + 1)}$$

Sequence: A017166
Score: 3.09186
Type of gen. func.: ogf

$$-\frac{531441\,x\,(x + 1)\,(x^4 + 56\,x^3 + 246\,x^2 + 56\,x + 1)}{(x - 1)^7}$$

Sequence: A017166
Score: 6.19554
Type of gen. func.: lgdogf

$$-\frac{2\,(x^5 + 88\,x^4 + 718\,x^3 + 1208\,x^2 + 473\,x + 32)}{(x - 1)\,(x + 1)\,(x^4 + 56\,x^3 + 246\,x^2 + 56\,x + 1)}$$

Sequence: A017173
Score: 18.3493
Type of gen. func.: ogf

$$\frac{1 + 8\,x}{(x - 1)^2}$$

Sequence: A017173
Score: 23.1361
Type of gen. func.: revogf

$$-\frac{-1 - 2\,x + (1 + 36\,x)^{1/2}}{2\,(-8 + x)}$$

Sequence: A017173
Score: 33.7401

Type of gen. func.: lgdogf

$$-\frac{2\,(4\,x+5)}{(1+8\,x)\,(x-1)}$$

Sequence: A017173
Score: 9.60139
Type of gen. func.: ogf

$$(9\,f(x)+41)\,(f(x)\,x^{2}-2\,f(x)\,x+f(x)-8\,x-1)$$

Sequence: A017173
Score: 9.94842
Type of gen. func.: ogf

$$\{-a(n+2)+2\,a(n+1)-a(n),\ a(0)=1,\ a(1)=10\}$$

Sequence: A017174
Score: 12.8138
Type of gen. func.: lgdogf

$$-\frac{2\,(32\,x^{2}+161\,x+50)}{(x-1)\,(64\,x^{2}+97\,x+1)}$$

Sequence: A017174
Score: 4.59023
Type of gen. func.: ogf

$$(76428\,f(x)-4556377)$$

$$(f(x)\,x^{3}-3\,f(x)\,x^{2}+3\,f(x)\,x+64\,x^{2}-f(x)+97\,x+1)$$

Sequence: A017174
Score: 4.86723
Type of gen. func.: ogf

$$\{a(n+3)-3\,a(n+2)+3\,a(n+1)-a(n),\ a(0)=1,\ a(1)=100,\ a(2)=361\}$$

Sequence: A017174
Score: 8.96189
Type of gen. func.: ogf

$$-\frac{64 x^{2} + 97 x + 1}{(x - 1)^{3}}$$

Sequence: A017175
Score: 3.48169
Type of gen. func.: ogf

$$(138603 f(x) + 180156811) (f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 512 x^{3} - 4 f(x) x - 2865 x^{2} + f(x) - 996 x - 1)$$

Sequence: A017175
Score: 6.50744
Type of gen. func.: ogf

$$\frac{512 x^{3} + 2865 x^{2} + 996 x + 1}{(x - 1)^{4}}$$

Sequence: A017175
Score: 8.21404
Type of gen. func.: lgdogf

$$-\frac{2 (256 x^{3} + 3633 x^{2} + 4359 x + 500)}{(x - 1) (512 x^{3} + 2865 x^{2} + 996 x + 1)}$$

Sequence: A017176
Score: 4.80966
Type of gen. func.: ogf

$$-\frac{4096 x^{4} + 63041 x^{3} + 80331 x^{2} + 9995 x + 1}{}$$

$$(x - 1)^{5}$$

Sequence: A017176
Score: 5.44968
Type of gen. func.: lgdogf

$$- \frac{2 (2048 x^{4} + 71233 x^{3} + 215058 x^{2} + 100321 x + 5000)}{(x - 1) (4096 x^{4} + 63041 x^{3} + 80331 x^{2} + 9995 x + 1)}$$

Sequence: A017177
Score: 3.57231
Type of gen. func.: ogf

$$\frac{32768 x^{5} + 1223249 x^{4} + 3853754 x^{3} + 1876114 x^{2} + 99994 x + 1}{(x - 1)^{6}}$$

Sequence: A017178
Score: 3.06789
Type of gen. func.: ogf

$$- (262144 x^{6} + 22302561 x^{5} + 145457817 x^{4} + 173569102 x^{3} + 40045902 x^{2} + 999993 x + 1) \Big/ (x - 1)^{7}$$

Sequence: A017185
Score: 18.3493
Type of gen. func.: ogf

$$\frac{7 x + 2}{(x - 1)^{2}}$$

Sequence: A017185
Score: 28.9201
Type of gen. func.: revogf

$$-\frac{-1 - x + (9 x + 1)^{1/2}}{-7 + x}$$

Sequence: A017185
Score: 35.2071
Type of gen. func.: lgdogf

$$-\frac{11 + 7 x}{(7 x + 2) (x - 1)}$$

Sequence: A017185
Score: 9.49103
Type of gen. func.: ogf

$$(18 f(x) + 85) (f(x) x^2 - 2 f(x) x + f(x) - 7 x - 2)$$

Sequence: A017185
Score: 9.94842
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 2, a(1) = 11\}$$

Sequence: A017186
Score: 12.8138
Type of gen. func.: lgdogf

$$-\frac{49 x^2 + 316 x + 121}{(x - 1) (49 x^2 + 109 x + 4)}$$

Sequence: A017186
Score: 4.55322
Type of gen. func.: ogf

$$(86364 f(x) - 5583371)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 49 x^2 - f(x) + 109 x + 4)$$

Sequence: A017186
Score: 4.86723
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 4, a(1) = 121, a(2) = 400\}$$

Sequence: A017186
Score: 8.82186
Type of gen. func.: ogf

$$-\frac{49 x^2 + 109 x + 4}{(x - 1)^3}$$

Sequence: A017187
Score: 3.50193
Type of gen. func.: ogf

$$(90636 f(x) + 127347863) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 343 x^3 - 4 f(x) x - 2724 x^2 + f(x) - 1299 x - 8)$$

Sequence: A017187
Score: 6.46827
Type of gen. func.: ogf

$$\frac{343 x^3 + 2724 x^2 + 1299 x + 8}{(x - 1)^4}$$

Sequence: A017187
Score: 8.26293
Type of gen. func.: lgdogf

$$-\frac{343 x^3 + 6477 x^2 + 9345 x + 1331}{(x - 1) (343 x^3 + 2724 x^2 + 1299 x + 8)}$$

Sequence: A017188
Score: 4.74998
Type of gen. func.: ogf

$$-\frac{2401 x^{4} + 53531 x^{3} + 86955 x^{2} + 14561 x + 16}{(x - 1)^{5}}$$

Sequence: A017188
Score: 5.36735
Type of gen. func.: lgdogf

$$-\frac{2401 x^{4} + 116666 x^{3} + 421458 x^{2} + 232154 x + 14641}{(x - 1) (2401 x^{4} + 53531 x^{3} + 86955 x^{2} + 14561 x + 16)}$$

Sequence: A017189
Score: 3.56699
Type of gen. func.: ogf

$$\frac{16807 x^{5} + 947734 x^{4} + 3726274 x^{3} + 2234174 x^{2} + 160859 x + 32}{(x - 1)^{6}}$$

Sequence: A017190
Score: 3.06444
Type of gen. func.: ogf

$$- (117649 x^{6} + 15953673 x^{5} + 129170742 x^{4} + 184023862 x^{3} + 51600417 x^{2} + 1771113 x + 64) \Big/ (x - 1)^{7}$$

Sequence: A017197
Score: 18.3493
Type of gen. func.: ogf

$$3 (2 x + 1)$$

```
                    -----------
                              2
                     (x - 1)
```

Sequence: A017197
Score: 22.4934
Type of gen. func.: revogf

```
                                               1/2
                 -3 - 2 x + 3 (1 + 4 x)
               - --------------------------
                        2 (-6 + x)
```

Sequence: A017197
Score: 36.8074
Type of gen. func.: lgdogf

```
                    2 (x + 2)
               - -------------------
                 (2 x + 1) (x - 1)
```

Sequence: A017197
Score: 9.71435
Type of gen. func.: ogf

```
                                  2
        (f(x) + 5) (f(x) x  - 2 f(x) x + f(x) - 6 x - 3)
```

Sequence: A017197
Score: 9.94842
Type of gen. func.: ogf

```
      {-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 3, a(1) = 12}
```

Sequence: A017198
Score: 14.4999
Type of gen. func.: lgdogf

```
                 2 (x + 8) (2 x + 1)
               - --------------------------
                                 2
                 (x - 1) (4 x  + 13 x + 1)
```

Sequence: A017198
Score: 4.66611
Type of gen. func.: ogf

$$(1196 f(x) - 84189) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 36 x^2 - f(x) + 117 x + 9)$$

Sequence: A017198
Score: 4.86723
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 9, a(1) = 144, a(2) = 441\}$$

Sequence: A017198
Score: 8.82186
Type of gen. func.: ogf

$$- \frac{9 (4 x^2 + 13 x + 1)}{(x - 1)^3}$$

Sequence: A017199
Score: 3.56762
Type of gen. func.: ogf

$$(2227 f(x) + 3373569) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 216 x^3 - 4 f(x) x - 2511 x^2 + f(x) - 1620 x - 27)$$

Sequence: A017199
Score: 6.43001
Type of gen. func.: ogf

$$\frac{27 (8 x^3 + 93 x^2 + 60 x + 1)}{(x - 1)^4}$$

Sequence: A017199
Score: 9.82306

Type of gen. func.: lgdogf

$$-\frac{2\,(4x^3+105x^2+183x+32)}{(x-1)\,(8x^3+93x^2+60x+1)}$$

Sequence: A017200
Score: 4.77697
Type of gen. func.: ogf

$$-\frac{81\,(16x^4+545x^3+1131x^2+251x+1)}{(x-1)^5}$$

Sequence: A017200
Score: 6.64438
Type of gen. func.: lgdogf

$$-\frac{2\,(8x^4+577x^3+2514x^2+1633x+128)}{(x-1)\,(16x^4+545x^3+1131x^2+251x+1)}$$

Sequence: A017201
Score: 3.58737
Type of gen. func.: ogf

$$\frac{243\,(32x^5+2933x^4+14498x^3+10678x^2+1018x+1)}{(x-1)^6}$$

Sequence: A017202
Score: 4.14450
Type of gen. func.: ogf

$$-\frac{729\,(64x^6+15177x^5+154113x^4+262438x^3+88998x^2+4089x+1)}{(x-1)^7}$$

Sequence: A017209
Score: 18.3493
Type of gen. func.: ogf

$$\frac{4 + 5 x}{(x - 1)^{2}}$$

Sequence: A017209
Score: 28.9201
Type of gen. func.: revogf

$$-\frac{-2 - x + (4 + 9 x)^{1/2}}{-5 + x}$$

Sequence: A017209
Score: 35.2071
Type of gen. func.: lgdogf

$$-\frac{13 + 5 x}{(4 + 5 x) (x - 1)}$$

Sequence: A017209
Score: 9.49103
Type of gen. func.: ogf

$$(18 f(x) + 97) (f(x) x^{2} - 2 f(x) x + f(x) - 5 x - 4)$$

Sequence: A017209
Score: 9.94842
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 4, a(1) = 13\}$$

Sequence: A017210
Score: 12.8929
Type of gen. func.: lgdogf

```
                                   2
                               25 x  + 292 x + 169
                         - ----------------------------
                                        2
                           (x - 1) (25 x  + 121 x + 16)



------------------------------------------------------------------------------

Sequence:  A017210
Score: 4.50794
Type of gen. func.: ogf


(107964 f(x) - 8277919)

           3           2                       2
    (f(x) x  - 3 f(x) x  + 3 f(x) x + 25 x  - f(x) + 121 x + 16)



------------------------------------------------------------------------------

Sequence:  A017210
Score: 4.85470
Type of gen. func.: ogf


 {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 16, a(1) = 169, a(2) = 484}



------------------------------------------------------------------------------

Sequence:  A017210
Score: 8.73846
Type of gen. func.: ogf


                                    2
                                25 x  + 121 x + 16
                              - ------------------
                                            3
                                     (x - 1)



------------------------------------------------------------------------------

Sequence:  A017211
Score: 3.27267
Type of gen. func.: ogf


                                  4           3           2        3
(815988 f(x) + 1328607379) (f(x) x  - 4 f(x) x  + 6 f(x) x  - 125 x  - 4 f(x) x

             2
     - 2244 x  + f(x) - 1941 x - 64)



------------------------------------------------------------------------------

Sequence:  A017211
Score: 6.08869
Type of gen. func.: ogf


                              3         2
```

$$\frac{125 x + 2244 x + 1941 x + 64}{(x - 1)^{4}}$$

Sequence: A017211
Score: 7.62813
Type of gen. func.: lgdogf

$$- \frac{125 x^{3} + 4863 x^{2} + 10311 x + 2197}{(x - 1) (125 x^{3} + 2244 x^{2} + 1941 x + 64)}$$

Sequence: A017212
Score: 4.80396
Type of gen. func.: ogf

$$- \frac{625 x^{4} + 35291 x^{3} + 94011 x^{2} + 27281 x + 256}{(x - 1)^{5}}$$

Sequence: A017212
Score: 5.54529
Type of gen. func.: lgdogf

$$- \frac{625 x^{4} + 73082 x^{3} + 387906 x^{2} + 297146 x + 28561}{(x - 1) (625 x^{4} + 35291 x^{3} + 94011 x^{2} + 27281 x + 256)}$$

Sequence: A017213
Score: 3.60222
Type of gen. func.: ogf

$$\frac{3125 x^{5} + 519074 x^{4} + 3256274 x^{3} + 2941234 x^{2} + 365149 x + 1024}{(x - 1)^{6}}$$

Sequence: A017214
Score: 4.22836

Type of gen. func.: ogf

$$-\left(15625 x^{6} + 7420161 x^{5} + 95657262 x^{4} + 195063982 x^{3} + 79678257 x^{2} + 4798137 x + 4096\right) \Big/ (x - 1)^{7}$$

Sequence: A017221
Score: 18.3493
Type of gen. func.: ogf

$$\frac{4 x + 5}{(x - 1)^{2}}$$

Sequence: A017221
Score: 22.4934
Type of gen. func.: revogf

$$-\frac{-5 - 2 x + (25 + 36 x)^{1/2}}{2 (x - 4)}$$

Sequence: A017221
Score: 33.7401
Type of gen. func.: lgdogf

$$-\frac{2 (2 x + 7)}{(4 x + 5) (x - 1)}$$

Sequence: A017221
Score: 9.60139
Type of gen. func.: ogf

$$(9 f(x) + 53) (f(x) x^{2} - 2 f(x) x + f(x) - 4 x - 5)$$

Sequence: A017221
Score: 9.94842
Type of gen. func.: ogf

```
              {-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 5, a(1) = 14}



------------------------------------------------------------------------------

Sequence:  A017222
Score: 12.9720
Type of gen. func.: lgdogf


                                    2
                              2 (8 x  + 137 x + 98)
                         - ----------------------------
                                        2
                           (x - 1) (16 x  + 121 x + 25)



------------------------------------------------------------------------------

Sequence:  A017222
Score: 4.53493
Type of gen. func.: ogf


(119628 f(x) - 9967457)

           3           2                  2
    (f(x) x  - 3 f(x) x  + 3 f(x) x + 16 x  - f(x) + 121 x + 25)



------------------------------------------------------------------------------

Sequence:  A017222
Score: 4.88378
Type of gen. func.: ogf


 {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 25, a(1) = 196, a(2) = 529}



------------------------------------------------------------------------------

Sequence:  A017222
Score: 8.79080
Type of gen. func.: ogf


                                    2
                                16 x  + 121 x + 25
                              - ------------------
                                            3
                                     (x - 1)



------------------------------------------------------------------------------

Sequence:  A017223
Score: 3.35518
Type of gen. func.: ogf


                               4           3           2       3
(20865 f(x) + 36402973) (f(x) x  - 4 f(x) x  + 6 f(x) x  - 64 x  - 4 f(x) x

             2
```

$- 1941 x + f(x) - 2244 x - 125)$

Sequence: A017223
Score: 6.12514
Type of gen. func.: ogf

$$\frac{64 x^3 + 1941 x^2 + 2244 x + 125}{(x - 1)^4}$$

Sequence: A017223
Score: 7.67493
Type of gen. func.: lgdogf

$$- \frac{2 (32 x^3 + 2037 x^2 + 5307 x + 1372)}{(x - 1) (64 x^3 + 1941 x^2 + 2244 x + 125)}$$

Sequence: A017224
Score: 4.83095
Type of gen. func.: ogf

$$- \frac{256 x^4 + 27281 x^3 + 94011 x^2 + 35291 x + 625}{(x - 1)^5}$$

Sequence: A017224
Score: 5.46097
Type of gen. func.: lgdogf

$$- \frac{2 (128 x^4 + 27793 x^3 + 181938 x^2 + 164593 x + 19208)}{(x - 1) (256 x^4 + 27281 x^3 + 94011 x^2 + 35291 x + 625)}$$

Sequence: A017225
Score: 3.60222
Type of gen. func.: ogf

$$\frac{1024 x^5 + 365149 x^4 + 2941234 x^3 + 3256274 x^2 + 519074 x + 3125}{(x - 1)^6}$$

Sequence: A017226
Score: 4.27587
Type of gen. func.: ogf

$$-(4096 x^6 + 4798137 x^5 + 79678257 x^4 + 195063982 x^3 + 95657262 x^2 + 7420161 x + 15625) / (x - 1)^7$$

Sequence: A017233
Score: 18.3493
Type of gen. func.: ogf

$$\frac{3 (x + 2)}{(x - 1)^2}$$

Sequence: A017233
Score: 28.9201
Type of gen. func.: revogf

$$-\frac{-3 - x + 3 (x + 1)^{1/2}}{-3 + x}$$

Sequence: A017233
Score: 44.9868
Type of gen. func.: lgdogf

$$-\frac{x + 5}{(x + 2) (x - 1)}$$

Sequence: A017233
Score: 9.60139
Type of gen. func.: ogf

$$(2 f(x) + 13) (f(x) x^2 - 2 f(x) x + f(x) - 3 x - 6)$$

Sequence: A017233
Score: 9.94842
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 6, a(1) = 15\}$$

Sequence: A017234
Score: 16.9029
Type of gen. func.: lgdogf

$$-\frac{x^2 + 28 x + 25}{(x - 1) (x^2 + 13 x + 4)}$$

Sequence: A017234
Score: 4.68362
Type of gen. func.: ogf

$$(1628 f(x) - 146787)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 9 x^2 - f(x) + 117 x + 36)$$

Sequence: A017234
Score: 4.88378
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 36, a(1) = 225, a(2) = 576\}$$

Sequence: A017234
Score: 8.92816
Type of gen. func.: ogf

$$-\frac{9 (x^2 + 13 x + 4)}{(x - 1)^3}$$

Sequence: A017235
Score: 10.2844
Type of gen. func.: lgdogf

$$-\frac{x^3 + 123x^2 + 399x + 125}{(x - 1)(x^3 + 60x^2 + 93x + 8)}$$

Sequence: A017235
Score: 3.35518
Type of gen. func.: ogf

$$(12692 f(x) + 23661909)(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 27 x^3 - 4 f(x) x - 1620 x^2 + f(x) - 2511 x - 216)$$

Sequence: A017235
Score: 6.12514
Type of gen. func.: ogf

$$\frac{27 (x^3 + 60x^2 + 93x + 8)}{(x - 1)^4}$$

Sequence: A017236
Score: 4.85794
Type of gen. func.: ogf

$$-\frac{81 (x^4 + 251x^3 + 1131x^2 + 545x + 16)}{(x - 1)^5}$$

Sequence: A017236
Score: 7.32290
Type of gen. func.: lgdogf

$$-\frac{x^4 + 506x^3 + 4146x^2 + 4442x + 625}{}$$

$$(x - 1) (x^4 + 251 x^3 + 1131 x^2 + 545 x + 16)$$

Sequence: A017237
Score: 3.62814
Type of gen. func.: ogf

$$\frac{243 (x^5 + 1018 x^4 + 10678 x^3 + 14498 x^2 + 2933 x + 32)}{(x - 1)^6}$$

Sequence: A017238
Score: 4.28578
Type of gen. func.: ogf

$$- \frac{729 (x^6 + 4089 x^5 + 88998 x^4 + 262438 x^3 + 154113 x^2 + 15177 x + 64)}{(x - 1)^7}$$

Sequence: A017245
Score: 18.3493
Type of gen. func.: ogf

$$\frac{2 x + 7}{(x - 1)^2}$$

Sequence: A017245
Score: 22.4934
Type of gen. func.: revogf

$$- \frac{-7 - 2 x + (49 + 36 x)^{1/2}}{2 (-2 + x)}$$

Sequence: A017245
Score: 36.8074
Type of gen. func.: lgdogf

$$2 (x + 8)$$

```
                   - -----------------
                     (2 x + 7) (x - 1)
```

Sequence: A017245
Score: 9.60139
Type of gen. func.: ogf

$$(9 f(x) + 65) (f(x) x^2 - 2 f(x) x + f(x) - 2 x - 7)$$

Sequence: A017245
Score: 9.94842
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 7, a(1) = 16\}$$

Sequence: A017246
Score: 12.9720
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^2 + 113 x + 128)}{(x - 1) (4 x^2 + 109 x + 49)}$$

Sequence: A017246
Score: 4.53493
Type of gen. func.: ogf

$$(144684 f(x) - 14039221) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) + 109 x + 49)$$

Sequence: A017246
Score: 4.88378
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 49, a(1) = 256, a(2) = 625\}$$

Sequence: A017246

Score: 8.92816
Type of gen. func.: ogf

$$-\frac{4 x^2 + 109 x + 49}{(x - 1)^3}$$

Sequence: A017247
Score: 3.33394
Type of gen. func.: ogf

$$(286563 f(x) + 569591929) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 8 x^3 - 4 f(x) x - 1299 x^2 + f(x) - 2724 x - 343)$$

Sequence: A017247
Score: 6.19720
Type of gen. func.: ogf

$$\frac{8 x^3 + 1299 x^2 + 2724 x + 343}{(x - 1)^4}$$

Sequence: A017247
Score: 7.91108
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^3 + 1311 x^2 + 5385 x + 2048)}{(x - 1) (8 x^3 + 1299 x^2 + 2724 x + 343)}$$

Sequence: A017248
Score: 4.88493
Type of gen. func.: ogf

$$-\frac{16 x^4 + 14561 x^3 + 86955 x^2 + 53531 x + 2401}{(x - 1)^5}$$

Sequence: A017249
Score: 3.66891
Type of gen. func.: ogf

$$\frac{32 x^5 + 160859 x^4 + 2234174 x^3 + 3726274 x^2 + 947734 x + 16807}{(x - 1)^6}$$

Sequence: A017250
Score: 4.30933
Type of gen. func.: ogf

$$- (64 x^6 + 1771113 x^5 + 51600417 x^4 + 184023862 x^3 + 129170742 x^2 + 15953673 x + 117649) / (x - 1)^7$$

Sequence: A017257
Score: 18.3493
Type of gen. func.: ogf

$$\frac{x + 8}{(x - 1)^2}$$

Sequence: A017257
Score: 28.9201
Type of gen. func.: revogf

$$- \frac{-4 - x + (16 + 9 x)^{1/2}}{x - 1}$$

Sequence: A017257
Score: 42.6191
Type of gen. func.: lgdogf

$$- \frac{x + 17}{(x + 8) (x - 1)}$$

Sequence: A017257
Score: 9.38318
Type of gen. func.: ogf

$$(18 f(x) + 145) (f(x) x^2 - 2 f(x) x + f(x) - x - 8)$$

Sequence: A017257
Score: 9.94842
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 8, a(1) = 17\}$$

Sequence: A017258
Score: 15.4944
Type of gen. func.: lgdogf

$$-\frac{x^2 + 196 x + 289}{(x - 1) (x^2 + 97 x + 64)}$$

Sequence: A017258
Score: 4.57121
Type of gen. func.: ogf

$$(158076 f(x) - 16401959)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 97 x + 64)$$

Sequence: A017258
Score: 4.88378
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 64, a(1) = 289, a(2) = 676\}$$

Sequence: A017258
Score: 9.06987
Type of gen. func.: ogf

$$-\frac{x^2+97x+64}{(x-1)^3}$$

Sequence: A017259
Score: 3.31298
Type of gen. func.: ogf

$$(1272948 f(x) + 2693337431) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 996 x^2 + f(x) - 2865 x - 512)$$

Sequence: A017259
Score: 6.27098
Type of gen. func.: ogf

$$\frac{x^3+996x^2+2865x+512}{(x-1)^4}$$

Sequence: A017259
Score: 8.71560
Type of gen. func.: lgdogf

$$-\frac{x^3+1995x^2+10587x+4913}{(x-1)(x^3+996x^2+2865x+512)}$$

Sequence: A017260
Score: 4.97456
Type of gen. func.: ogf

$$-\frac{x^4+9995x^3+80331x^2+63041x+4096}{(x-1)^5}$$

Sequence: A017261
Score: 3.71602
Type of gen. func.: ogf

$$\frac{x^5 + 99994 x^4 + 1876114 x^3 + 3853754 x^2 + 1223249 x + 32768}{(x - 1)^6}$$

Sequence: A017262
Score: 4.38560
Type of gen. func.: ogf

$$- (x^6 + 999993 x^5 + 40045902 x^4 + 173569102 x^3 + 145457817 x^2 + 22302561 x + 262144) \Big/ (x - 1)^7$$

Sequence: A017263
Score: 5.00465
Type of gen. func.: ogf

$$(x^7 + 9999992 x^6 + 813871767 x^5 + 6621954544 x^4 + 11456857799 x^3 + 4807821048 x^2 + 393561457 x + 2097152) \Big/ (x - 1)^8$$

Sequence: A017269
Score: 11.9116
Type of gen. func.: lgdogf

$$- \frac{2 (135 x^2 - 63 x + 7)}{(-1 + 6 x) (3 x - 1) (5 x - 1)}$$

Sequence: A017269
Score: 13.3972
Type of gen. func.: ogf

$$- \frac{1}{(-1 + 6 x) (3 x - 1) (5 x - 1)}$$

Sequence: A017269
Score: 4.54142
Type of gen. func.: ogf

$$\{a(n+3) - 14\, a(n+2) + 63\, a(n+1) - 90\, a(n),\ a(0) = 1,\ a(1) = 14,\ a(2) = 133\}$$

Sequence: A017269
Score: 4.87171
Type of gen. func.: ogf

$$(21221\, f(x) - 14900)\,(90\, f(x)\, x^3 - 63\, f(x)\, x^2 + 14\, f(x)\, x - f(x) + 1)$$

Sequence: A017270
Score: 26.6177
Type of gen. func.: ogf_with_Euler_transform]

$$[4 - x]$$

Sequence: A017270
Score: 27.7198
Type of gen. func.: lgdogf

$$-\frac{2\,(2 + x)}{(x - 1)\,(x + 1)}$$

Sequence: A017270
Score: 4.90956
Type of gen. func.: ogf

$$\{a(n+3) - 3\, a(n+2) + 3\, a(n+1) - a(n),\ a(0) = 0,\ a(1) = 100,\ a(2) = 400\}$$

Sequence: A017270
Score: 5.04106
Type of gen. func.: ogf

$$(f(x) + 25)\,(f(x)\, x^3 - 3\, f(x)\, x^2 + 3\, f(x)\, x + 100\, x^2 - f(x) + 100\, x)$$

Sequence: A017270
Score: 9.25572
Type of gen. func.: ogf

$$-\frac{100 x (x + 1)}{(x - 1)^3}$$

Sequence: A017271
Score: 17.0820
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + 7 x + 4)}{(x - 1) (x^2 + 4 x + 1)}$$

Sequence: A017271
Score: 3.68317
Type of gen. func.: ogf

$$-(33 f(x) + 54350) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 1000 x^3 - 4 f(x) x - 4000 x^2 + f(x) - 1000 x)$$

Sequence: A017271
Score: 6.78243
Type of gen. func.: ogf

$$\frac{1000 x (x^2 + 4 x + 1)}{(x - 1)^4}$$

Sequence: A017272
Score: 11.1543
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 + 18 x^2 + 33 x + 8)}{}$$

$$(x - 1) (x + 1) (x^2 + 10 x + 1)$$

Sequence: A017272
Score: 4.89211
Type of gen. func.: ogf

$$- \frac{10000 x (x + 1) (x^2 + 10 x + 1)}{(x - 1)^5}$$

Sequence: A017273
Score: 3.66651
Type of gen. func.: ogf

$$\frac{100000 x (x^4 + 26 x^3 + 66 x^2 + 26 x + 1)}{(x - 1)^6}$$

Sequence: A017273
Score: 7.54070
Type of gen. func.: lgdogf

$$- \frac{2 (x^4 + 41 x^3 + 171 x^2 + 131 x + 16)}{(x - 1) (x^4 + 26 x^3 + 66 x^2 + 26 x + 1)}$$

Sequence: A017274
Score: 3.15444
Type of gen. func.: ogf

$$- \frac{1000000 x (x + 1) (x^4 + 56 x^3 + 246 x^2 + 56 x + 1)}{(x - 1)^7}$$

Sequence: A017274
Score: 6.40092
Type of gen. func.: lgdogf

$$-\frac{2\,(x^5 + 88\,x^4 + 718\,x^3 + 1208\,x^2 + 473\,x + 32)}{(x - 1)\,(x + 1)\,(x^4 + 56\,x^3 + 246\,x^2 + 56\,x + 1)}$$

Sequence: A017281
Score: 18.4380
Type of gen. func.: ogf

$$\frac{9\,x + 1}{(x - 1)^2}$$

Sequence: A017281
Score: 23.9339
Type of gen. func.: revogf

$$-\frac{-1 - 2\,x + (1 + 40\,x)^{1/2}}{2\,(x - 9)}$$

Sequence: A017281
Score: 35.3805
Type of gen. func.: lgdogf

$$-\frac{11 + 9\,x}{(9\,x + 1)\,(x - 1)}$$

Sequence: A017281
Score: 9.42851
Type of gen. func.: ogf

$$(20\,f(x) + 101)\,(f(x)\,x^2 - 2\,f(x)\,x + f(x) - 9\,x - 1)$$

Sequence: A017281
Score: 9.99648
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\,a(n + 1) - a(n),\ a(0) = 1,\ a(1) = 11\}$$

Sequence: A017282
Score: 11.5905
Type of gen. func.: ogf

$$-\frac{81 x^2 + 118 x + 1}{(x - 1)^3}$$

Sequence: A017282
Score: 17.3203
Type of gen. func.: lgdogf

$$-\frac{81 x^2 + 398 x + 121}{(x - 1) (81 x^2 + 118 x + 1)}$$

Sequence: A017282
Score: 6.08023
Type of gen. func.: ogf

$$(3235 f(x) - 236271)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 81 x^2 - f(x) + 118 x + 1)$$

Sequence: A017282
Score: 6.39473
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 121, a(2) = 441}

Sequence: A017283
Score: 10.3447
Type of gen. func.: lgdogf

$$-\frac{729 x^3 + 10073 x^2 + 11867 x + 1331}{(x - 1) (729 x^3 + 3943 x^2 + 1327 x + 1)}$$

Sequence: A017283
Score: 4.41517
Type of gen. func.: ogf

$$(2500160 f(x) + 4422727973) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 729 x^3 - 4 f(x) x - 3943 x^2 + f(x) - 1327 x - 1)$$

Sequence: A017283
Score: 8.31089
Type of gen. func.: ogf

$$\frac{729 x^3 + 3943 x^2 + 1327 x + 1}{(x - 1)^4}$$

Sequence: A017284
Score: 5.98850
Type of gen. func.: ogf

$$- \frac{6561 x^4 + 97516 x^3 + 121286 x^2 + 14636 x + 1}{(x - 1)^5}$$

Sequence: A017284
Score: 6.79356
Type of gen. func.: lgdogf

$$- \frac{6561 x^4 + 221276 x^3 + 656406 x^2 + 301116 x + 14641}{(x - 1) (6561 x^4 + 97516 x^3 + 121286 x^2 + 14636 x + 1)}$$

Sequence: A017285
Score: 4.65524
Type of gen. func.: ogf

$$\frac{59049 x^5 + 2121805 x^4 + 6540290 x^3 + 3117810 x^2 + 161045 x + 1}{}$$

$$(x-1)^6$$

Sequence: A017286
Score: 3.43318
Type of gen. func.: ogf

$$-(531441 x^6 + 43325794 x^5 + 276662415 x^4 + 324343580 x^3 + 73365215 x^2 + 1771554 x + 1) / (x-1)^7$$

Sequence: A017293
Score: 18.4380
Type of gen. func.: ogf

$$\frac{2(4x+1)}{(x-1)^2}$$

Sequence: A017293
Score: 28.0604
Type of gen. func.: revogf

$$-\frac{-1 - x + (10x+1)^{1/2}}{-8+x}$$

Sequence: A017293
Score: 33.9063
Type of gen. func.: lgdogf

$$-\frac{2(3+2x)}{(4x+1)(x-1)}$$

Sequence: A017293
Score: 9.64778
Type of gen. func.: ogf

$$(5 f(x) + 26)(f(x) x^2 - 2 f(x) x + f(x) - 8x - 2)$$

Sequence: A017293
Score: 9.99648
Type of gen. func.: ogf

$$\{-a(n+2)+2a(n+1)-a(n),\ a(0)=2,\ a(1)=12\}$$

Sequence: A017294
Score: 13.9449
Type of gen. func.: lgdogf

$$-\frac{2(8x^2+49x+18)}{(x-1)(16x^2+33x+1)}$$

Sequence: A017294
Score: 4.68362
Type of gen. func.: ogf

$(3615 f(x) - 283757)$

$$(f(x)x^3-3f(x)x^2+3f(x)x+64x^2-f(x)+132x+4)$$

Sequence: A017294
Score: 4.92588
Type of gen. func.: ogf

$$\{a(n+3)-3a(n+2)+3a(n+1)-a(n),\ a(0)=4,\ a(1)=144,\ a(2)=484\}$$

Sequence: A017294
Score: 8.92816
Type of gen. func.: ogf

$$-\frac{4(16x^2+33x+1)}{(x-1)^3}$$

Sequence: A017295
Score: 3.56022
Type of gen. func.: ogf

$$(132435 f(x) + 251352728) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 512 x^3 - 4 f(x) x - 3784 x^2 + f(x) - 1696 x - 8)$$

Sequence: A017295
Score: 6.61782
Type of gen. func.: ogf

$$\frac{8 (64 x^3 + 473 x^2 + 212 x + 1)}{(x - 1)^4}$$

Sequence: A017295
Score: 9.16338
Type of gen. func.: lgdogf

$$- \frac{2 (32 x^3 + 569 x^2 + 791 x + 108)}{(x - 1) (64 x^3 + 473 x^2 + 212 x + 1)}$$

Sequence: A017296
Score: 4.84131
Type of gen. func.: ogf

$$- \frac{16 (256 x^4 + 5281 x^3 + 8171 x^2 + 1291 x + 1)}{(x - 1)^5}$$

Sequence: A017297
Score: 3.60222
Type of gen. func.: ogf

$$\frac{32 (1024 x^5 + 52905 x^4 + 198890 x^3 + 114410 x^2 + 7770 x + 1)}{(x - 1)^6}$$

Sequence: A017298
Score: 4.21514
Type of gen. func.: ogf

$$-64 (4096 x^6 + 502769 x^5 + 3895465 x^4 + 5356030 x^3 + 1444990 x^2 + 46649 x + 1) / (x - 1)^7$$

Sequence: A017305
Score: 18.4380
Type of gen. func.: ogf

$$\frac{7 x + 3}{(x - 1)^2}$$

Sequence: A017305
Score: 23.2501
Type of gen. func.: revogf

$$-\frac{-3 - 2 x + (9 + 40 x)^{1/2}}{2 (-7 + x)}$$

Sequence: A017305
Score: 35.3805
Type of gen. func.: lgdogf

$$-\frac{13 + 7 x}{(7 x + 3) (x - 1)}$$

Sequence: A017305
Score: 9.42851
Type of gen. func.: ogf

$$(20 f(x) + 109) (f(x) x^2 - 2 f(x) x + f(x) - 7 x - 3)$$

Sequence: A017305
Score: 9.99648
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 3, a(1) = 13\}$$

Sequence: A017306
Score: 13.2809
Type of gen. func.: lgdogf

$$-\frac{49 x^2 + 382 x + 169}{(x - 1) (49 x^2 + 142 x + 9)}$$

Sequence: A017306
Score: 4.68362
Type of gen. func.: ogf

$$(8030 f(x) - 680121)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 49 x^2 - f(x) + 142 x + 9)$$

Sequence: A017306
Score: 4.92588
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 9, a(1) = 169, a(2) = 529\}$$

Sequence: A017306
Score: 8.92816
Type of gen. func.: ogf

$$-\frac{49 x^2 + 142 x + 9}{(x - 1)^3}$$

Sequence: A017307
Score: 5.14032
Type of gen. func.: ogf

$$(1361280 f(x) + 2766440239) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 343 x^3 - 4 f(x) x - 3541 x^2 + f(x) - 2089 x - 27)$$

Sequence: A017307
Score: 6.16160
Type of gen. func.: ogf

$$\frac{343 x^3 + 3541 x^2 + 2089 x + 27}{(x - 1)^4}$$

Sequence: A017307
Score: 7.72173
Type of gen. func.: lgdogf

$$- \frac{343 x^3 + 8111 x^2 + 13349 x + 2197}{(x - 1) (343 x^3 + 3541 x^2 + 2089 x + 27)}$$

Sequence: A017308
Score: 4.84131
Type of gen. func.: ogf

$$- \frac{2401 x^4 + 71516 x^3 + 137846 x^2 + 28156 x + 81}{(x - 1)^5}$$

Sequence: A017309
Score: 3.59677
Type of gen. func.: ogf

$$\frac{16807 x^5 + 1319015 x^4 + 6081870 x^3 + 4212230 x^2 + 369835 x + 243}{(x - 1)^6}$$

Sequence: A017310
Score: 4.16623
Type of gen. func.: ogf

$$- (117649 x^6 + 23314026 x^5 + 220928135 x^4 + 356554220 x^3 + 114263535 x^2 + 4821706 x + 729) / (x - 1)^7$$

Sequence: A017317
Score: 18.4380
Type of gen. func.: ogf

$$\frac{2 (3 x + 2)}{(x - 1)^2}$$

Sequence: A017317
Score: 28.0604
Type of gen. func.: revogf

$$- \frac{-2 - x + (4 + 10 x)^{1/2}}{-6 + x}$$

Sequence: A017317
Score: 36.9887
Type of gen. func.: lgdogf

$$- \frac{7 + 3 x}{(3 x + 2) (x - 1)}$$

Sequence: A017317
Score: 9.64778
Type of gen. func.: ogf

$$(5 f(x) + 29) (f(x) x^2 - 2 f(x) x + f(x) - 6 x - 4)$$

Sequence: A017317

Score: 9.99648
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 4, a(1) = 14\}$$

Sequence: A017318
Score: 15.5888
Type of gen. func.: lgdogf

$$-\frac{9 x^2 + 92 x + 49}{(x - 1) (9 x + 1) (x + 4)}$$

Sequence: A017318
Score: 4.67319
Type of gen. func.: ogf

$$(4435 f(x) - 405759)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 36 x^2 - f(x) + 148 x + 16)$$

Sequence: A017318
Score: 4.91285
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 16, a(1) = 196, a(2) = 576\}$$

Sequence: A017318
Score: 8.84312
Type of gen. func.: ogf

$$-\frac{4 (x + 4) (9 x + 1)}{(x - 1)^3}$$

Sequence: A017319
Score: 3.35379
Type of gen. func.: ogf

$$(55535 f(x) + 120553198) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 216 x^3 - 4 f(x) x$$

$$- 3232 x^2 + f(x) - 2488 x - 64)$$

Sequence: A017319
Score: 6.16160
Type of gen. func.: ogf

$$\frac{8 (27 x^3 + 404 x^2 + 311 x + 8)}{(x - 1)^4}$$

Sequence: A017319
Score: 8.76874
Type of gen. func.: lgdogf

$$- \frac{27 x^3 + 889 x^2 + 1741 x + 343}{(x - 1) (27 x^3 + 404 x^2 + 311 x + 8)}$$

Sequence: A017320
Score: 4.82498
Type of gen. func.: ogf

$$- \frac{16 (81 x^4 + 3691 x^3 + 8891 x^2 + 2321 x + 16)}{(x - 1)^5}$$

Sequence: A017320
Score: 6.34809
Type of gen. func.: lgdogf

$$- \frac{81 x^4 + 7706 x^3 + 37746 x^2 + 27066 x + 2401}{(x - 1) (81 x^4 + 3691 x^3 + 8891 x^2 + 2321 x + 16)}$$

Sequence: A017321
Score: 3.63696
Type of gen. func.: ogf

$$\frac{32 (243 x^5 + 31310 x^4 + 178330 x^3 + 148470 x^2 + 16615 x + 32)}{(x - 1)^6}$$

Sequence: A017322
Score: 4.18938
Type of gen. func.: ogf

$$- 64 (729 x^6 + 257041 x^5 + 3007110 x^4 + 5704070 x^3 + 2163785 x^2 + 117201 x + 64) / (x - 1)^7$$

Sequence: A017329
Score: 18.4380
Type of gen. func.: ogf

$$\frac{5 (x + 1)}{(x - 1)^2}$$

Sequence: A017329
Score: 22.6042
Type of gen. func.: revogf

$$- \frac{-5 - 2 x + (25 + 40 x)^{1/2}}{2 (-5 + x)}$$

Sequence: A017329
Score: 39.3248
Type of gen. func.: ogf_with_Euler_transform]

[3 - x]

Sequence: A017329
Score: 45.2084
Type of gen. func.: lgdogf

$$-\frac{x + 3}{(x - 1)(x + 1)}$$

Sequence: A017329
Score: 9.42851
Type of gen. func.: ogf

$$(16 f(x) + 325) (f(x) x^2 - 2 f(x) x + f(x) - 5 x - 5)$$

Sequence: A017329
Score: 9.99648
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 5, a(1) = 15\}$$

Sequence: A017330
Score: 12.4797
Type of gen. func.: ogf

$$-\frac{25 (x^2 + 6 x + 1)}{(x - 1)^3}$$

Sequence: A017330
Score: 25.6978
Type of gen. func.: lgdogf

$$-\frac{x^2 + 14 x + 9}{(x - 1) (x^2 + 6 x + 1)}$$

Sequence: A017330
Score: 6.81665
Type of gen. func.: ogf

$$(39 f(x) - 3850) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 25 x^2 - f(x) + 150 x + 25)$$

Sequence: A017330
Score: 6.93319
Type of gen. func.: ogf

$$\{a(n+3) - 3 a(n+2) + 3 a(n+1) - a(n), a(0) = 25, a(1) = 225, a(2) = 625\}$$

Sequence: A017331
Score: 11.0743
Type of gen. func.: lgdogf

$$-\frac{x^3 + 49 x^2 + 115 x + 27}{(x - 1) (x + 1) (x^2 + 22 x + 1)}$$

Sequence: A017331
Score: 5.07999
Type of gen. func.: ogf

$$(1728 f(x) + 3996625) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 125 x^3 - 4 f(x) x$$
$$- 2875 x^2 + f(x) - 2875 x - 125)$$

Sequence: A017331
Score: 6.12682
Type of gen. func.: ogf

$$\frac{125 (x + 1) (x^2 + 22 x + 1)}{(x - 1)^4}$$

Sequence: A017332
Score: 4.86806
Type of gen. func.: ogf

$$-\frac{625 (x^4 + 76 x^3 + 230 x^2 + 76 x + 1)}{(x - 1)^5}$$

Sequence: A017332
Score: 8.20369
Type of gen. func.: lgdogf

$$-\frac{x^4 + 156 x^3 + 918 x^2 + 764 x + 81}{(x - 1) (x^4 + 76 x^3 + 230 x^2 + 76 x + 1)}$$

Sequence: A017333
Score: 3.66294
Type of gen. func.: ogf

$$\frac{3125 (x + 1) (x^4 + 236 x^3 + 1446 x^2 + 236 x + 1)}{(x - 1)^6}$$

Sequence: A017334
Score: 4.16448
Type of gen. func.: ogf

$$-\frac{15625 (x^6 + 722 x^5 + 10543 x^4 + 23548 x^3 + 10543 x^2 + 722 x + 1)}{(x - 1)^7}$$

Sequence: A017341
Score: 13.17
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 4 x + 6$$

Sequence: A017341
Score: 18.4380
Type of gen. func.: ogf

$$\frac{2 (3 + 2 x)}{(x - 1)^2}$$

Sequence: A017341
Score: 28.0604
Type of gen. func.: revogf

$$-\frac{-3 - x + (9 + 10 x)^{1/2}}{-4 + x}$$

Sequence: A017341
Score: 36.9887
Type of gen. func.: lgdogf

$$-\frac{2 (x + 4)}{(3 + 2 x) (x - 1)}$$

Sequence: A017341
Score: 9.99648
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 6, a(1) = 16\}$$

Sequence: A017342
Score: 11.5224
Type of gen. func.: ogf

$$-\frac{4 (x + 9) (4 x + 1)}{(x - 1)^{3}}$$

Sequence: A017342
Score: 19.3321
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^{2} + 41 x + 32)}{(x - 1) (x + 9) (4 x + 1)}$$

Sequence: A017342

Score: 6.08907
Type of gen. func.: ogf

$$(5335 f(x) - 566721)\,(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 16 x^2 - f(x) + 148 x + 36)$$

Sequence: A017342
Score: 6.40133
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 36, a(1) = 256, a(2) = 676\}$$

Sequence: A017343
Score: 5.00554
Type of gen. func.: ogf

$$(205995 f(x) + 506409256)\,(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 64 x^3 - 4 f(x) x - 2488 x^2 + f(x) - 3232 x - 216)$$

Sequence: A017343
Score: 6.23452
Type of gen. func.: ogf

$$\frac{8 (8 x^3 + 311 x^2 + 404 x + 27)}{(x - 1)^4}$$

Sequence: A017343
Score: 8.87503
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^3 + 323 x^2 + 917 x + 256)}{(x - 1) (8 x^3 + 311 x^2 + 404 x + 27)}$$

Sequence: A017344
Score: 4.85150

Type of gen. func.: ogf

$$-\frac{16\,(16\,x^4 + 2321\,x^3 + 8891\,x^2 + 3691\,x + 81)}{(x - 1)^5}$$

Sequence: A017344
Score: 6.30865
Type of gen. func.: lgdogf

$$-\frac{2\,(8\,x^4 + 2353\,x^3 + 16818\,x^2 + 16273\,x + 2048)}{(x - 1)\,(16\,x^4 + 2321\,x^3 + 8891\,x^2 + 3691\,x + 81)}$$

Sequence: A017345
Score: 3.67714
Type of gen. func.: ogf

$$\frac{32\,(32\,x^5 + 16615\,x^4 + 148470\,x^3 + 178330\,x^2 + 31310\,x + 243)}{(x - 1)^6}$$

Sequence: A017346
Score: 4.23567
Type of gen. func.: ogf

$$-64\,(64\,x^6 + 117201\,x^5 + 2163785\,x^4 + 5704070\,x^3 + 3007110\,x^2 + 257041\,x + 729)\Big/(x - 1)^7$$

Sequence: A017353
Score: 18.4380
Type of gen. func.: ogf

$$\frac{7 + 3\,x}{(x - 1)^2}$$

Sequence: A017353
Score: 22.6042
Type of gen. func.: revogf

$$-\frac{-7 - 2 x + (49 + 40 x)^{1/2}}{2 (-3 + x)}$$

Sequence: A017353
Score: 35.3805
Type of gen. func.: lgdogf

$$-\frac{17 + 3 x}{(7 + 3 x) (x - 1)}$$

Sequence: A017353
Score: 9.42851
Type of gen. func.: ogf

$$(20 f(x) + 149) (f(x) x^2 - 2 f(x) x + f(x) - 3 x - 7)$$

Sequence: A017353
Score: 9.99648
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 7, a(1) = 17\}$$

Sequence: A017354
Score: 13.6878
Type of gen. func.: lgdogf

$$-\frac{9 x^2 + 302 x + 289}{(x - 1) (9 x^2 + 142 x + 49)}$$

Sequence: A017354
Score: 4.6355

Type of gen. func.: ogf

$$(11630 f(x) - 1324239) \left(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 9 x^2 - f(x) + 142 x + 49\right)$$

Sequence: A017354
Score: 4.91285
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 49, a(1) = 289, a(2) = 729\}$$

Sequence: A017354
Score: 8.98130
Type of gen. func.: ogf

$$-\frac{9 x^2 + 142 x + 49}{(x - 1)^3}$$

Sequence: A017355
Score: 3.32904
Type of gen. func.: ogf

$$(4858880 f(x) + 12669689559) \left(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 27 x^3 - 4 f(x) x - 2089 x^2 + f(x) - 3541 x - 343\right)$$

Sequence: A017355
Score: 6.27098
Type of gen. func.: ogf

$$\frac{27 x^3 + 2089 x^2 + 3541 x + 343}{(x - 1)^4}$$

Sequence: A017355
Score: 7.98125
Type of gen. func.: lgdogf

$$-\frac{27x^3+4259x^2+14801x+4913}{(x-1)(27x^3+2089x^2+3541x+343)}$$

Sequence: A017356
Score: 4.92155
Type of gen. func.: ogf

$$-\frac{81x^4+28156x^3+137846x^2+71516x+2401}{(x-1)^5}$$

Sequence: A017356
Score: 5.73650
Type of gen. func.: lgdogf

$$-\frac{81x^4+56636x^3+498006x^2+561756x+83521}{(x-1)(81x^4+28156x^3+137846x^2+71516x+2401)}$$

Sequence: A017357
Score: 3.69724
Type of gen. func.: ogf

$$\frac{243x^5+369835x^4+4212230x^3+6081870x^2+1319015x+16807}{(x-1)^6}$$

Sequence: A017358
Score: 4.30510
Type of gen. func.: ogf

$$-(729x^6+4821706x^5+114263535x^4+356554220x^3+220928135x^2+23314026x+117649)\Big/(x-1)^7$$

Sequence: A017365
Score: 18.4380
Type of gen. func.: ogf

$$\frac{2\,(x + 4)}{(x - 1)^{2}}$$

Sequence: A017365
Score: 27.1251
Type of gen. func.: revogf

$$-\frac{-4 - x + (16 + 10\,x)^{1/2}}{-2 + x}$$

Sequence: A017365
Score: 45.2084
Type of gen. func.: lgdogf

$$-\frac{x + 9}{(x + 4)\,(x - 1)}$$

Sequence: A017365
Score: 9.64778
Type of gen. func.: ogf

$$(5\,f(x) + 41)\,(f(x)\,x^{2} - 2\,f(x)\,x + f(x) - 2\,x - 8)$$

Sequence: A017365
Score: 9.99648
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\,a(n + 1) - a(n),\ a(0) = 8,\ a(1) = 18\}$$

Sequence: A017366
Score: 16.5058
Type of gen. func.: lgdogf

$$-\frac{x^2 + 68 x + 81}{(x - 1) (x^2 + 33 x + 16)}$$

Sequence: A017366
Score: 4.71149
Type of gen. func.: ogf

$(6315 f(x) - 767123)$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) + 132 x + 64)$$

Sequence: A017366
Score: 4.91285
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 64, a(1) = 324, a(2) = 784}

Sequence: A017366
Score: 8.98130
Type of gen. func.: ogf

$$-\frac{4 (x^2 + 33 x + 16)}{(x - 1)^3}$$

Sequence: A017367
Score: 12.4510
Type of gen. func.: lgdogf

$$-\frac{x^3 + 427 x^2 + 1843 x + 729}{(x - 1) (x^3 + 212 x^2 + 473 x + 64)}$$

Sequence: A017367
Score: 4.39445
Type of gen. func.: ogf

4 3 2 3

$$(22815 f(x) + 62995402) (f(x) x - 4 f(x) x + 6 f(x) x - 8 x - 4 f(x) x$$

$$- 1696 x^2 + f(x) - 3784 x - 512)$$

Sequence: A017367
Score: 8.06512
Type of gen. func.: ogf

$$\frac{8 (x^3 + 212 x^2 + 473 x + 64)}{(x - 1)^4}$$

Sequence: A017368
Score: 4.97505
Type of gen. func.: ogf

$$- \frac{16 (x^4 + 1291 x^3 + 8171 x^2 + 5281 x + 256)}{(x - 1)^5}$$

Sequence: A017368
Score: 6.90156
Type of gen. func.: lgdogf

$$- \frac{x^4 + 2586 x^3 + 28386 x^2 + 37466 x + 6561}{(x - 1) (x^4 + 1291 x^3 + 8171 x^2 + 5281 x + 256)}$$

Sequence: A017369
Score: 3.72365
Type of gen. func.: ogf

$$\frac{32 (x^5 + 7770 x^4 + 114410 x^3 + 198890 x^2 + 52905 x + 1024)}{(x - 1)^6}$$

Sequence: A017370
Score: 4.37997

Type of gen. func.: ogf

$$-64\,(x^6 + 46649\,x^5 + 1444990\,x^4 + 5356030\,x^3 + 3895465\,x^2 + 502769\,x + 4096) \;\Big/\; (x-1)^7$$

Sequence: A017377
Score: 18.4380
Type of gen. func.: ogf

$$\frac{x+9}{(x-1)^2}$$

Sequence: A017377
Score: 23.2501
Type of gen. func.: revogf

$$-\frac{-9 - 2\,x + (81 + 40\,x)^{1/2}}{2\,(x-1)}$$

Sequence: A017377
Score: 42.8290
Type of gen. func.: lgdogf

$$-\frac{x+19}{(x+9)\,(x-1)}$$

Sequence: A017377
Score: 9.42851
Type of gen. func.: ogf

$$(20\,f(x) + 181)\,(f(x)\,x^2 - 2\,f(x)\,x + f(x) - x - 9)$$

Sequence: A017377
Score: 9.99648
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 9, a(1) = 19\}$$

Sequence: A017378
Score: 12.7316
Type of gen. func.: ogf

$$- \frac{x^2 + 118 x + 81}{(x - 1)^3}$$

Sequence: A017378
Score: 15.1675
Type of gen. func.: lgdogf

$$- \frac{x^2 + 238 x + 361}{(x - 1) (x^2 + 118 x + 81)}$$

Sequence: A017378
Score: 6.67885
Type of gen. func.: ogf

$$(6835 f(x) - 881109) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 118 x + 81)$$

Sequence: A017378
Score: 6.96427
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 81, a(1) = 361, a(2) = 841\}$$

Sequence: A017379
Score: 3.32904
Type of gen. func.: ogf

$$(17641920 f(x) + 51521284231) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 1327 x^2 + f(x) - 3943 x - 729)$$

Sequence: A017379
Score: 6.34475
Type of gen. func.: ogf

$$\frac{x^3 + 1327 x^2 + 3943 x + 729}{(x - 1)^4}$$

Sequence: A017379
Score: 8.77937
Type of gen. func.: lgdogf

$$- \frac{x^3 + 2657 x^2 + 14483 x + 6859}{(x - 1) (x^3 + 1327 x^2 + 3943 x + 729)}$$

Sequence: A017380
Score: 5.01987
Type of gen. func.: ogf

$$- \frac{x^4 + 14636 x^3 + 121286 x^2 + 97516 x + 6561}{(x - 1)^5}$$

Sequence: A017380
Score: 6.12610
Type of gen. func.: lgdogf

$$- \frac{x^4 + 29276 x^3 + 407766 x^2 + 632636 x + 130321}{(x - 1) (x^4 + 14636 x^3 + 121286 x^2 + 97516 x + 6561)}$$

Sequence: A017381
Score: 3.77082
Type of gen. func.: ogf

$$x^5 + 161045 x^4 + 3117810 x^3 + 6540290 x^2 + 2121805 x + 59049$$

$$\frac{}{(x - 1)^{6}}$$

Sequence: A017382
Score: 4.44215
Type of gen. func.: ogf

$$-\left(x^{6} + 1771554 x^{5} + 73365215 x^{4} + 324343580 x^{3} + 276662415 x^{2} + 43325794 x + 531441\right) \Big/ (x - 1)^{7}$$

Sequence: A017389
Score: 12.4470
Type of gen. func.: lgdogf

$$-\frac{315 x^{2} - 142 x + 15}{(3 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A017389
Score: 13.6450
Type of gen. func.: ogf

$$-\frac{1}{(3 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A017389
Score: 4.70121
Type of gen. func.: ogf

$$(209765501 f(x) - 132002325) (105 f(x) x^{3} - 71 f(x) x^{2} + 15 f(x) x - f(x) + 1)$$

Sequence: A017389
Score: 4.70121
Type of gen. func.: ogf

$\{a(n + 3) - 15 a(n + 2) + 71 a(n + 1) - 105 a(n), a(0) = 1, a(1) = 15,$

$a(2) = 154\}$

Sequence: A017390
Score: 26.9384
Type of gen. func.: ogf_with_Euler_transform]

[4 - x]

Sequence: A017390
Score: 28.0599
Type of gen. func.: lgdogf

$$-\frac{2\,(2 + x)}{(x - 1)\,(x + 1)}$$

Sequence: A017390
Score: 4.96871
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 121, a(2) = 484}

Sequence: A017390
Score: 5.05665
Type of gen. func.: ogf

$$(4\,f(x) + 121)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 121\,x^2 - f(x) + 121\,x)$$

Sequence: A017390
Score: 9.36725
Type of gen. func.: ogf

$$-\frac{121\,x\,(x + 1)}{(x - 1)^3}$$

Sequence: A017391
Score: 17.3800
Type of gen. func.: lgdogf

$$-\frac{2\,(x^2+7\,x+4)}{(x-1)\,(x^2+4\,x+1)}$$

Sequence: A017391
Score: 3.72167
Type of gen. func.: ogf

$$-(60\,f(x)+131527)\,(f(x)\,x^4-4\,f(x)\,x^3+6\,f(x)\,x^2-1331\,x^3-4\,f(x)\,x-5324\,x^2+f(x)-1331\,x)$$

Sequence: A017391
Score: 6.89870
Type of gen. func.: ogf

$$\frac{1331\,x\,(x^2+4\,x+1)}{(x-1)^4}$$

Sequence: A017392
Score: 4.94707
Type of gen. func.: ogf

$$-\frac{14641\,x\,(x+1)\,(x^2+10\,x+1)}{(x-1)^5}$$

Sequence: A017393
Score: 3.68110
Type of gen. func.: ogf

$$\frac{161051\,x\,(x^4+26\,x^3+66\,x^2+26\,x+1)}{(x-1)^6}$$

Sequence: A017393

Score: 7.62787
Type of gen. func.: lgdogf

$$-\frac{2\,(x^4 + 41\,x^3 + 171\,x^2 + 131\,x + 16)}{(x - 1)\,(x^4 + 26\,x^3 + 66\,x^2 + 26\,x + 1)}$$

Sequence: A017394
Score: 5.54061
Type of gen. func.: ogf

$$-\frac{1771561\,x\,(x + 1)\,(x^4 + 56\,x^3 + 246\,x^2 + 56\,x + 1)}{(x - 1)^7}$$

Sequence: A017401
Score: 11.0713
Type of gen. func.: ogf

$$(11\,f(x) + 61)\,(f(x)\,x^2 - 2\,f(x)\,x + f(x) - 10\,x - 1)$$

Sequence: A017401
Score: 11.7383
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\,a(n + 1) - a(n),\ a(0) = 1,\ a(1) = 12\}$$

Sequence: A017401
Score: 21.1799
Type of gen. func.: ogf

$$\frac{10\,x + 1}{(x - 1)^2}$$

Sequence: A017401
Score: 26.6065
Type of gen. func.: revogf

$$-\frac{-1 - 2 x + (44 x + 1)^{1/2}}{2 (-10 + x)}$$

Sequence: A017401
Score: 38.3133
Type of gen. func.: lgdogf

$$-\frac{2 (6 + 5 x)}{(10 x + 1) (x - 1)}$$

Sequence: A017402
Score: 13.1302
Type of gen. func.: lgdogf

$$-\frac{2 (2 x + 9) (25 x + 8)}{(x - 1) (100 x^2 + 141 x + 1)}$$

Sequence: A017402
Score: 4.55278
Type of gen. func.: ogf

$(136356 f(x) - 11975351)$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 100 x^2 - f(x) + 141 x + 1)$$

Sequence: A017402
Score: 4.98452
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 144, a(2) = 529\}$

Sequence: A017402
Score: 8.89545
Type of gen. func.: ogf

$$-\frac{100 x^2 + 141 x + 1}{(x - 1)^3}$$

Sequence: A017403
Score: 3.5531
Type of gen. func.: ogf

$$(2714283 f(x) + 6349597171) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 1000 x^3 - 4 f(x) x - 5261 x^2 + f(x) - 1724 x - 1)$$

Sequence: A017403
Score: 6.65173
Type of gen. func.: ogf

$$\frac{1000 x^3 + 5261 x^2 + 1724 x + 1}{(x - 1)^4}$$

Sequence: A017403
Score: 8.34831
Type of gen. func.: lgdogf

$$- \frac{2 (500 x^3 + 6761 x^2 + 7847 x + 864)}{(x - 1) (1000 x^3 + 5261 x^2 + 1724 x + 1)}$$

Sequence: A017404
Score: 4.82498
Type of gen. func.: ogf

$$- \frac{10000 x^4 + 144481 x^3 + 176171 x^2 + 20731 x + 1}{(x - 1)^5}$$

Sequence: A017405
Score: 3.61687
Type of gen. func.: ogf

5 4 3 2

$$\frac{100000 x + 3484101 x + 10549826 x + 4943366 x + 248826 x + 1}{(x - 1)^6}$$

Sequence: A017406
Score: 4.20215
Type of gen. func.: ogf

$$-(1000000 x^6 + 78766121 x^5 + 494378977 x^4 + 571258822 x^3 + 127134022 x^2 + 2985977 x + 1) \Big/ (x - 1)^7$$

Sequence: A017413
Score: 10.0445
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 2, a(1) = 13\}$$

Sequence: A017413
Score: 18.5266
Type of gen. func.: ogf

$$\frac{9 x + 2}{(x - 1)^2}$$

Sequence: A017413
Score: 29.2050
Type of gen. func.: revogf

$$-\frac{-1 - x + (1 + 11 x)^{1/2}}{x - 9}$$

Sequence: A017413
Score: 35.5540
Type of gen. func.: lgdogf

$$-\frac{13 + 9 x}{}$$

$$(9 x + 2) (x - 1)$$

Sequence: A017413
Score: 9.47384
Type of gen. func.: ogf

$$(22 f(x) + 125) (f(x) x^2 - 2 f(x) x + f(x) - 9 x - 2)$$

Sequence: A017414
Score: 13.4428
Type of gen. func.: lgdogf

$$-\frac{81 x^2 + 476 x + 169}{(x - 1) (81 x^2 + 157 x + 4)}$$

Sequence: A017414
Score: 4.58892
Type of gen. func.: ogf

$$(150964 f(x) - 14146041)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 81 x^2 - f(x) + 157 x + 4)$$

Sequence: A017414
Score: 4.98452
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 4, a(1) = 169, a(2) = 576\}$$

Sequence: A017414
Score: 9.03444
Type of gen. func.: ogf

$$-\frac{81 x^2 + 157 x + 4}{(x - 1)^3}$$

Sequence: A017415
Score: 3.5531
Type of gen. func.: ogf

$$(4047164 f(x) + 10095076837) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 729 x^3 - 4 f(x) x - 5084 x^2 + f(x) - 2165 x - 8)$$

Sequence: A017415
Score: 6.72999
Type of gen. func.: ogf

$$\frac{729 x^3 + 5084 x^2 + 2165 x + 8}{(x - 1)^4}$$

Sequence: A017415
Score: 8.34831
Type of gen. func.: lgdogf

$$- \frac{729 x^3 + 12355 x^2 + 16663 x + 2197}{(x - 1) (729 x^3 + 5084 x^2 + 2165 x + 8)}$$

Sequence: A017416
Score: 4.90451
Type of gen. func.: ogf

$$- \frac{6561 x^4 + 127195 x^3 + 189131 x^2 + 28481 x + 16}{(x - 1)^5}$$

Sequence: A017416
Score: 5.53293
Type of gen. func.: lgdogf

$$- \frac{6561 x^4 + 280634 x^3 + 948978 x^2 + 492186 x + 28561}{{}^{4} \qquad {}^{3} \qquad {}^{2}}$$

$$(x - 1) (6561 x + 127195 x + 189131 x + 28481 x + 16)$$

Sequence: A017417
Score: 5.03101
Type of gen. func.: ogf

$$\frac{59049 x^{5} + 2845706 x^{4} + 10314886 x^{3} + 5735346 x^{2} + 371101 x + 32}{(x - 1)^{6}}$$

Sequence: A017418
Score: 4.22549
Type of gen. func.: ogf

$$- (531441 x^{6} + 60279913 x^{5} + 450663942 x^{4} + 601905542 x^{3} + 157316657 x^{2} + 4826361 x + 64) / (x - 1)^{7}$$

Sequence: A017425
Score: 10.0445
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 3, a(1) = 14\}$$

Sequence: A017425
Score: 18.5266
Type of gen. func.: ogf

$$\frac{8 x + 3}{(x - 1)^{2}}$$

Sequence: A017425
Score: 23.3640
Type of gen. func.: revogf

$$- \frac{-3 - 2 x + (9 + 44 x)^{1/2}}{2 (-8 + x)}$$

Sequence: A017425
Score: 34.0725
Type of gen. func.: lgdogf

$$-\frac{2\,(7 + 4\,x)}{(8\,x + 3)\,(x - 1)}$$

Sequence: A017425
Score: 9.58273
Type of gen. func.: ogf

$$(11\,f(x) + 65)\,(f(x)\,x^{2} - 2\,f(x)\,x + f(x) - 8\,x - 3)$$

Sequence: A017426
Score: 13.1302
Type of gen. func.: lgdogf

$$-\frac{2\,(32\,x^{2} + 233\,x + 98)}{(x - 1)\,(64\,x^{2} + 169\,x + 9)}$$

Sequence: A017426
Score: 4.58892
Type of gen. func.: ogf

$$(166276\,f(x) - 16687179)$$

$$(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x + 64\,x^{2} - f(x) + 169\,x + 9)$$

Sequence: A017426
Score: 4.98452
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 9,\ a(1) = 196,\ a(2) = 625\}$$

Sequence: A017426

Score: 9.03444
Type of gen. func.: ogf

$$-\frac{64 x^{2} + 169 x + 9}{(x - 1)^{3}}$$

Sequence: A017427
Score: 3.3692
Type of gen. func.: ogf

$$(3379827 f(x) + 8975278049) (f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 512 x^{3} - 4 f(x) x - 4811 x^{2} + f(x) - 2636 x - 27)$$

Sequence: A017427
Score: 6.30744
Type of gen. func.: ogf

$$\frac{512 x^{3} + 4811 x^{2} + 2636 x + 27}{(x - 1)^{4}}$$

Sequence: A017427
Score: 7.79261
Type of gen. func.: lgdogf

$$-\frac{2 (256 x^{3} + 5579 x^{2} + 8765 x + 1372)}{(x - 1) (512 x^{3} + 4811 x^{2} + 2636 x + 27)}$$

Sequence: A017428
Score: 4.90451
Type of gen. func.: ogf

$$-\frac{4096 x^{4} + 109841 x^{3} + 199355 x^{2} + 38011 x + 81}{(x - 1)^{5}}$$

Sequence: A017428
Score: 5.42227
Type of gen. func.: lgdogf

$$-\frac{2\,(2048\,x^{4}+118033\,x^{3}+463794\,x^{2}+275377\,x+19208)}{(x-1)\,(4096\,x^{4}+109841\,x^{3}+199355\,x^{2}+38011\,x+81)}$$

Sequence: A017429
Score: 3.65705
Type of gen. func.: ogf

$$\frac{32768\,x^{5}+2279491\,x^{4}+9934926\,x^{3}+6542326\,x^{2}+536366\,x+243}{(x-1)^{6}}$$

Sequence: A017430
Score: 4.25881
Type of gen. func.: ogf

$$-(262144\,x^{6}+45210873\,x^{5}+405183857\,x^{4}+625892702\,x^{3}+191449182\,x^{2}+7524433\,x+729)\,/\,(x-1)^{7}$$

Sequence: A017437
Score: 10.0445
Type of gen. func.: ogf

$$\{-a(n+2)+2\,a(n+1)-a(n),\ a(0)=4,\ a(1)=15\}$$

Sequence: A017437
Score: 18.5266
Type of gen. func.: ogf

$$\frac{7\,x+4}{(x-1)^{2}}$$

Sequence: A017437
Score: 28.1980
Type of gen. func.: revogf

$$-\frac{-2 - x + (4 + 11 x)^{1/2}}{-7 + x}$$

Sequence: A017437
Score: 35.5540
Type of gen. func.: lgdogf

$$-\frac{15 + 7 x}{(7 x + 4) (x - 1)}$$

Sequence: A017437
Score: 9.47384
Type of gen. func.: ogf

$$(22 f(x) + 137) (f(x) x^2 - 2 f(x) x + f(x) - 7 x - 4)$$

Sequence: A017438
Score: 13.2093
Type of gen. func.: lgdogf

$$-\frac{49 x^2 + 452 x + 225}{(x - 1) (49 x^2 + 177 x + 16)}$$

Sequence: A017438
Score: 4.97098
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 16, a(1) = 225, a(2) = 676\}$$

Sequence: A017438
Score: 7.2517
Type of gen. func.: ogf

$$(182292 f(x) - 19622573)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 49 x^2 - f(x) + 177 x + 16)$$

Sequence: A017438
Score: 8.94777
Type of gen. func.: ogf

$$- \frac{49 x^2 + 177 x + 16}{(x - 1)^3}$$

Sequence: A017439
Score: 5.46768
Type of gen. func.: ogf

$$(2141964 f(x) + 6043879927) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 343 x^3$$

$$- 4 f(x) x - 4460 x^2 + f(x) - 3119 x - 64)$$

Sequence: A017439
Score: 6.30744
Type of gen. func.: ogf

$$\frac{343 x^3 + 4460 x^2 + 3119 x + 64}{(x - 1)^4}$$

Sequence: A017439
Score: 7.90892
Type of gen. func.: lgdogf

$$- \frac{343 x^3 + 9949 x^2 + 18277 x + 3375}{(x - 1) (343 x^3 + 4460 x^2 + 3119 x + 64)}$$

Sequence: A017440
Score: 4.93103
Type of gen. func.: ogf

$$-\frac{2401 x^4 + 92971 x^3 + 206411 x^2 + 49345 x + 256}{(x - 1)^5}$$

Sequence: A017440
Score: 5.56350
Type of gen. func.: lgdogf

$$-\frac{2401 x^4 + 195546 x^3 + 898146 x^2 + 610202 x + 50625}{(x - 1) (2401 x^4 + 92971 x^3 + 206411 x^2 + 49345 x + 256)}$$

Sequence: A017441
Score: 3.67120
Type of gen. func.: ogf

$$\frac{16807 x^5 + 1788726 x^4 + 9425846 x^3 + 7340486 x^2 + 753231 x + 1024}{(x - 1)^6}$$

Sequence: A017442
Score: 4.25550
Type of gen. func.: ogf

$$-(117649 x^6 + 33188681 x^5 + 359208382 x^4 + 642375742 x^3 + 229267417 x^2 + 11361953 x + 4096) / (x - 1)^7$$

Sequence: A017449
Score: 10.0445
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 5, a(1) = 16\}$$

Sequence: A017449
Score: 18.5266
Type of gen. func.: ogf

$$\frac{6 x + 5}{(x - 1)^{2}}$$

Sequence: A017449
Score: 22.7150
Type of gen. func.: revogf

$$- \frac{-5 - 2 x + (25 + 44 x)^{1/2}}{2 (-6 + x)}$$

Sequence: A017449
Score: 34.0725
Type of gen. func.: lgdogf

$$- \frac{2 (8 + 3 x)}{(6 x + 5) (x - 1)}$$

Sequence: A017449
Score: 9.58273
Type of gen. func.: ogf

$$(11 f(x) + 73) (f(x) x^{2} - 2 f(x) x + f(x) - 6 x - 5)$$

Sequence: A017450
Score: 12.6222
Type of gen. func.: lgdogf

$$- \frac{2 (18 x^{2} + 217 x + 128)}{(x - 1) (36 x^{2} + 181 x + 25)}$$

Sequence: A017450
Score: 4.97098

Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 25, a(1) = 256, a(2) = 729\}$$

Sequence: A017450
Score: 7.2517
Type of gen. func.: ogf

$$(199012 f(x) - 22969983) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 36 x^2 - f(x) + 181 x + 25)$$

Sequence: A017450
Score: 8.94777
Type of gen. func.: ogf

$$- \frac{36 x^2 + 181 x + 25}{(x - 1)^3}$$

Sequence: A017451
Score: 5.45533
Type of gen. func.: ogf

$$(1380665 f(x) + 4130794761) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 216 x^3 - 4 f(x) x - 4049 x^2 + f(x) - 3596 x - 125)$$

Sequence: A017451
Score: 6.27098
Type of gen. func.: ogf

$$\frac{216 x^3 + 4049 x^2 + 3596 x + 125}{(x - 1)^4}$$

Sequence: A017451
Score: 7.72512
Type of gen. func.: lgdogf

$$-\frac{2\,(108\,x^3+4373\,x^2+9443\,x+2048)}{(x-1)\,(216\,x^3+4049\,x^2+3596\,x+125)}$$

Sequence: A017452
Score: 4.93103
Type of gen. func.: ogf

$$-\frac{1296\,x^4+77041\,x^3+210011\,x^2+62411\,x+625}{(x-1)^5}$$

Sequence: A017452
Score: 5.56350
Type of gen. func.: lgdogf

$$-\frac{2\,(648\,x^4+79633\,x^3+430578\,x^2+334833\,x+32768)}{(x-1)\,(1296\,x^4+77041\,x^3+210011\,x^2+62411\,x+625)}$$

Sequence: A017453
Score: 3.71111
Type of gen. func.: ogf

$$\frac{7776\,x^5+1373201\,x^4+8807866\,x^3+8104326\,x^2+1029826\,x+3125}{(x-1)^6}$$

Sequence: A017454
Score: 4.27826
Type of gen. func.: ogf

$$-(46656\,x^6+23810977\,x^5+313907097\,x^4+650767622\,x^3+270308102\,x^2+16667841\,x+15625)\;/\;(x-1)^7$$

Sequence: A017461
Score: 10.0445
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 6, a(1) = 17\}$$

Sequence: A017461
Score: 18.5266
Type of gen. func.: ogf

$$\frac{6 + 5 x}{(x - 1)^2}$$

Sequence: A017461
Score: 28.1980
Type of gen. func.: revogf

$$- \frac{-3 - x + (9 + 11 x)^{1/2}}{-5 + x}$$

Sequence: A017461
Score: 35.5540
Type of gen. func.: lgdogf

$$- \frac{17 + 5 x}{(6 + 5 x) (x - 1)}$$

Sequence: A017461
Score: 9.47384
Type of gen. func.: ogf

$$(22 f(x) + 157) (f(x) x^2 - 2 f(x) x + f(x) - 5 x - 6)$$

Sequence: A017462
Score: 13.2093
Type of gen. func.: lgdogf

$$-\frac{25 x^{2} + 412 x + 289}{(x - 1) (25 x^{2} + 181 x + 36)}$$

Sequence: A017462
Score: 4.97098
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 36, a(1) = 289, a(2) = 784\}$$

Sequence: A017462
Score: 6.50183
Type of gen. func.: ogf

$$(216436 f(x) - 26740161) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 25 x^{2} - f(x) + 181 x + 36)$$

Sequence: A017462
Score: 8.94777
Type of gen. func.: ogf

$$-\frac{25 x^{2} + 181 x + 36}{(x - 1)^{3}}$$

Sequence: A017463
Score: 4.7984
Type of gen. func.: ogf

$$(272316 f(x) + 862118417) (f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 125 x^{3} - 4 f(x) x - 3596 x^{2} + f(x) - 4049 x - 216)$$

Sequence: A017463
Score: 6.27098
Type of gen. func.: ogf

$$\quad^{3} \qquad\qquad ^{2}$$

$$\frac{125 x + 3596 x + 4049 x + 216}{(x - 1)^4}$$

Sequence: A017463
Score: 7.83873
Type of gen. func.: lgdogf

$$- \frac{125 x^3 + 7567 x^2 + 19339 x + 4913}{(x - 1) (125 x^3 + 3596 x^2 + 4049 x + 216)}$$

Sequence: A017464
Score: 4.95754
Type of gen. func.: ogf

$$- \frac{625 x^4 + 62411 x^3 + 210011 x^2 + 77041 x + 1296}{(x - 1)^5}$$

Sequence: A017464
Score: 5.65174
Type of gen. func.: lgdogf

$$- \frac{625 x^4 + 127322 x^3 + 817266 x^2 + 728186 x + 83521}{(x - 1) (625 x^4 + 62411 x^3 + 210011 x^2 + 77041 x + 1296)}$$

Sequence: A017465
Score: 3.71111
Type of gen. func.: ogf

$$\frac{3125 x^5 + 1029826 x^4 + 8104326 x^3 + 8807866 x^2 + 1373201 x + 7776}{(x - 1)^6}$$

Sequence: A017466
Score: 4.27826

Type of gen. func.: ogf

$$-\left(15625 x^6 + 16667841 x^5 + 270308102 x^4 + 650767622 x^3 + 313907097 x^2 + 23810977 x + 46656\right) / (x - 1)^7$$

Sequence: A017473
Score: 10.0445
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 7, a(1) = 18\}$$

Sequence: A017473
Score: 18.5266
Type of gen. func.: ogf

$$\frac{7 + 4 x}{(x - 1)^2}$$

Sequence: A017473
Score: 22.7150
Type of gen. func.: revogf

$$-\frac{-7 - 2 x + (49 + 44 x)^{1/2}}{2 (-4 + x)}$$

Sequence: A017473
Score: 34.0725
Type of gen. func.: lgdogf

$$-\frac{2 (2 x + 9)}{(7 + 4 x) (x - 1)}$$

Sequence: A017473
Score: 9.58273
Type of gen. func.: ogf

$$(11 f(x) + 85) (f(x) x^{2} - 2 f(x) x + f(x) - 4 x - 7)$$

Sequence: A017474
Score: 12.9091
Type of gen. func.: lgdogf

$$- \frac{2 (8 x^{2} + 193 x + 162)}{(x - 1) (16 x^{2} + 177 x + 49)}$$

Sequence: A017474
Score: 4.97098
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 49, a(1) = 324, a(2) = 841\}$$

Sequence: A017474
Score: 7.2517
Type of gen. func.: ogf

$$(234564 f(x) - 30935891)$$

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 16 x^{2} - f(x) + 177 x + 49)$$

Sequence: A017474
Score: 8.94777
Type of gen. func.: ogf

$$- \frac{16 x^{2} + 177 x + 49}{(x - 1)^{3}}$$

Sequence: A017475
Score: 5.47672
Type of gen. func.: ogf

$$(5007123 f(x) + 16742158309) (f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 64 x^{3}$$

^{2}

$$- 4 f(x) x - 3119 x + f(x) - 4460 x - 343)$$

Sequence: A017475
Score: 6.38036
Type of gen. func.: ogf

$$\frac{64 x^3 + 3119 x^2 + 4460 x + 343}{(x - 1)^4}$$

Sequence: A017475
Score: 8.00252
Type of gen. func.: lgdogf

$$- \frac{2 (32 x^3 + 3215 x^2 + 9809 x + 2916)}{(x - 1) (64 x^3 + 3119 x^2 + 4460 x + 343)}$$

Sequence: A017476
Score: 4.98404
Type of gen. func.: ogf

$$- \frac{256 x^4 + 49345 x^3 + 206411 x^2 + 92971 x + 2401}{(x - 1)^5}$$

Sequence: A017476
Score: 5.62464
Type of gen. func.: lgdogf

$$- \frac{2 (128 x^4 + 49857 x^3 + 383634 x^2 + 392353 x + 52488)}{(x - 1) (256 x^4 + 49345 x^3 + 206411 x^2 + 92971 x + 2401)}$$

Sequence: A017477
Score: 3.75101
Type of gen. func.: ogf

$$\frac{1024 x^5 + 753231 x^4 + 7340486 x^3 + 9425846 x^2 + 1788726 x + 16807}{(x - 1)^6}$$

Sequence: A017478
Score: 4.30102
Type of gen. func.: ogf

$$-(4096 x^6 + 11361953 x^5 + 229267417 x^4 + 642375742 x^3 + 359208382 x^2 + 33188681 x + 117649) / (x - 1)^7$$

Sequence: A017485
Score: 10.5241
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 8, a(1) = 19\}$$

Sequence: A017485
Score: 19.4111
Type of gen. func.: ogf

$$\frac{8 + 3 x}{(x - 1)^2}$$

Sequence: A017485
Score: 28.5800
Type of gen. func.: revogf

$$-\frac{-4 - x + (16 + 11 x)^{1/2}}{-3 + x}$$

Sequence: A017485
Score: 37.2782
Type of gen. func.: lgdogf

$$19 + 3 x$$

$$- \frac{}{(8 + 3 x) (x - 1)}$$

Sequence: A017485
Score: 9.92615
Type of gen. func.: ogf

$$(22 f(x) + 185) (f(x) x^2 - 2 f(x) x + f(x) - 3 x - 8)$$

Sequence: A017486
Score: 13.8537
Type of gen. func.: lgdogf

$$- \frac{9 x^2 + 356 x + 361}{(x - 1) (9 x^2 + 169 x + 64)}$$

Sequence: A017486
Score: 4.97098
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 64, a(1) = 361, a(2) = 900\}$$

Sequence: A017486
Score: 7.30925
Type of gen. func.: ogf

$$(253396 f(x) - 35551029)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 9 x^2 - f(x) + 169 x + 64)$$

Sequence: A017486
Score: 9.08758
Type of gen. func.: ogf

$$- \frac{9 x^2 + 169 x + 64}{(x - 1)^3}$$

Sequence: A017487
Score: 5.47672
Type of gen. func.: ogf

$$(7307036 f(x) + 25762738007) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 27 x^3 - 4 f(x) x - 2636 x^2 + f(x) - 4811 x - 512)$$

Sequence: A017487
Score: 6.38036
Type of gen. func.: ogf

$$\frac{27 x^3 + 2636 x^2 + 4811 x + 512}{(x - 1)^4}$$

Sequence: A017487
Score: 8.12377
Type of gen. func.: lgdogf

$$- \frac{27 x^3 + 5353 x^2 + 19705 x + 6859}{(x - 1) (27 x^3 + 2636 x^2 + 4811 x + 512)}$$

Sequence: A017488
Score: 4.98404
Type of gen. func.: ogf

$$- \frac{81 x^4 + 38011 x^3 + 199355 x^2 + 109841 x + 4096}{(x - 1)^5}$$

Sequence: A017488
Score: 5.74182
Type of gen. func.: lgdogf

$$- \frac{81 x^4 + 76346 x^3 + 712098 x^2 + 838074 x + 130321}{}$$

$$(x - 1) (81 x^4 + 38011 x^3 + 199355 x^2 + 109841 x + 4096)$$

Sequence: A017489
Score: 3.77761
Type of gen. func.: ogf

$$\frac{243 x^5 + 536366 x^4 + 6542326 x^3 + 9934926 x^2 + 2279491 x + 32768}{(x - 1)^6}$$

Sequence: A017490
Score: 3.90952
Type of gen. func.: ogf

$$- (729 x^6 + 7524433 x^5 + 191449182 x^4 + 625892702 x^3 + 405183857 x^2 + 45210873 x + 262144) / (x - 1)^7$$

Sequence: A017497
Score: 10.0445
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 9, a(1) = 20\}$$

Sequence: A017497
Score: 18.5266
Type of gen. func.: ogf

$$\frac{2 x + 9}{(x - 1)^2}$$

Sequence: A017497
Score: 22.7150
Type of gen. func.: revogf

$$- \frac{-9 - 2 x + (81 + 44 x)^{1/2}}{}$$

```
                                   2 (-2 + x)



------------------------------------------------------------------------------

Sequence:  A017497
Score: 35.5540
Type of gen. func.: lgdogf


                                   2 (10 + x)
                              - -----------------
                                (2 x + 9) (x - 1)



------------------------------------------------------------------------------

Sequence:  A017497
Score: 9.47384
Type of gen. func.: ogf


                                    2
             (11 f(x) + 101) (f(x) x  - 2 f(x) x + f(x) - 2 x - 9)



------------------------------------------------------------------------------

Sequence:  A017498
Score: 13.2884
Type of gen. func.: lgdogf


                                   2
                             2 (2 x  + 161 x + 200)
                         - ---------------------------
                                       2
                           (x - 1) (4 x  + 157 x + 81)



------------------------------------------------------------------------------

Sequence:  A017498
Score: 5.00005
Type of gen. func.: ogf


 {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 81, a(1) = 400, a(2) = 961}



------------------------------------------------------------------------------

Sequence:  A017498
Score: 6.33344
Type of gen. func.: ogf


(272932 f(x) - 40569543)

           3           2                  2
    (f(x) x  - 3 f(x) x  + 3 f(x) x + 4 x  - f(x) + 157 x + 81)



------------------------------------------------------------------------------
```

Sequence: A017498
Score: 9.14072
Type of gen. func.: ogf

$$-\frac{4x^2+157x+81}{(x-1)^3}$$

Sequence: A017499
Score: 4.78951
Type of gen. func.: ogf

$$(5981547 f(x) + 22209482051) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 8 x^3 - 4 f(x) x - 2165 x^2 + f(x) - 5084 x - 729)$$

Sequence: A017499
Score: 6.45542
Type of gen. func.: ogf

$$\frac{8x^3+2165x^2+5084x+729}{(x-1)^4}$$

Sequence: A017499
Score: 8.24875
Type of gen. func.: lgdogf

$$-\frac{2(4x^3+2177x^2+9791x+4000)}{(x-1)(8x^3+2165x^2+5084x+729)}$$

Sequence: A017500
Score: 4.98404
Type of gen. func.: ogf

$$-\frac{16x^4+28481x^3+189131x^2+127195x+6561}{(x-1)^5}$$

Sequence: A017500
Score: 5.74182
Type of gen. func.: lgdogf

$$-\frac{2\,(8x^4+28513x^3+326418x^2+443521x+80000)}{(x-1)\,(16x^4+28481x^3+189131x^2+127195x+6561)}$$

Sequence: A017501
Score: 3.46082
Type of gen. func.: ogf

$$\frac{32x^5+371101x^4+5735346x^3+10314886x^2+2845706x+59049}{(x-1)^6}$$

Sequence: A017502
Score: 4.41225
Type of gen. func.: ogf

$$-(64x^6+4826361x^5+157316657x^4+601905542x^3+450663942x^2+60279913x+531441)\Big/(x-1)^7$$

Sequence: A017509
Score: 17.7800
Type of gen. func.: ogf

$$\frac{10+x}{(x-1)^2}$$

Sequence: A017509
Score: 27.6551
Type of gen. func.: revogf

$$-5-x+(25+11x)^{1/2}$$

$$- \frac{}{x - 1}$$

Sequence: A017509
Score: 40.0999
Type of gen. func.: lgdogf

$$- \frac{21 + x}{(10 + x)\ (x - 1)}$$

Sequence: A017509
Score: 9.18966
Type of gen. func.: ogf

$$(22\ f(x) + 221)\ (f(x)\ x^{2} - 2\ f(x)\ x + f(x) - x - 10)$$

Sequence: A017509
Score: 9.73667
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\ a(n + 1) - a(n),\ a(0) = 10,\ a(1) = 21\}$$

Sequence: A017510
Score: 14.4439
Type of gen. func.: lgdogf

$$- \frac{x^{2} + 284\ x + 441}{(x - 1)\ (x^{2} + 141\ x + 100)}$$

Sequence: A017510
Score: 4.72554
Type of gen. func.: ogf

$$\{a(n + 3) - 3\ a(n + 2) + 3\ a(n + 1) - a(n),\ a(0) = 100,\ a(1) = 441,\ a(2) = 1024\}$$

Sequence: A017510

Score: 7.0873

Type of gen. func.: ogf

$$(293172 f(x) - 45964553) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 141 x + 100)$$

Sequence: A017510

Score: 8.65137

Type of gen. func.: ogf

$$-\frac{x^2 + 141 x + 100}{(x - 1)^3}$$

Sequence: A017511

Score: 4.72243

Type of gen. func.: ogf

$$(26046900 f(x) + 101758799287) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 1724 x^2 + f(x) - 5261 x - 1000)$$

Sequence: A017511

Score: 8.84105

Type of gen. func.: lgdogf

$$-\frac{x^3 + 3451 x^2 + 19231 x + 9261}{(x - 1) (x^3 + 1724 x^2 + 5261 x + 1000)}$$

Sequence: A017511

Score: 9.00557

Type of gen. func.: ogf

$$\frac{x^3 + 1724 x^2 + 5261 x + 1000}{(x - 1)^4}$$

Sequence: A017512
Score: 5.66238
Type of gen. func.: lgdogf

$$-\frac{x^4 + 41466 x^3 + 590706 x^2 + 930266 x + 194481}{(x - 1) (x^4 + 20731 x^3 + 176171 x^2 + 144481 x + 10000)}$$

Sequence: A017512
Score: 6.58110
Type of gen. func.: ogf

$$-\frac{x^4 + 20731 x^3 + 176171 x^2 + 144481 x + 10000}{(x - 1)^5}$$

Sequence: A017513
Score: 4.86540
Type of gen. func.: ogf

$$\frac{x^5 + 248826 x^4 + 4943366 x^3 + 10549826 x^2 + 3484101 x + 100000}{(x - 1)^6}$$

Sequence: A017514
Score: 4.45895
Type of gen. func.: ogf

$$- (x^6 + 2985977 x^5 + 127134022 x^4 + 571258822 x^3 + 494378977 x^2 + 78766121 x + 1000000) / (x - 1)^7$$

Sequence: A017521
Score: 12.9823
Type of gen. func.: lgdogf

$$2 (180 x^2 - 79 x + 8)$$

```
                        - ------------------------------
                          (3 x - 1) (-1 + 8 x) (5 x - 1)



------------------------------------------------------------------------------

Sequence:  A017521
Score: 14.2195
Type of gen. func.: ogf


                                        1
                        - ------------------------------
                          (3 x - 1) (-1 + 8 x) (5 x - 1)



------------------------------------------------------------------------------

Sequence:  A017521
Score: 4.89915
Type of gen. func.: ogf


                                         3            2
 (378508879 f(x) - 214315200) (120 f(x) x  - 79 f(x) x  + 16 f(x) x - f(x) + 1)



------------------------------------------------------------------------------

Sequence:  A017521
Score: 4.89915
Type of gen. func.: ogf


{a(n + 3) - 16 a(n + 2) + 79 a(n + 1) - 120 a(n), a(0) = 1, a(1) = 16,

    a(2) = 177}



------------------------------------------------------------------------------

Sequence:  A017522
Score: 27.4194
Type of gen. func.: ogf_with_Euler_transform]


                                    [4 - x]



------------------------------------------------------------------------------

Sequence:  A017522
Score: 28.5701
Type of gen. func.: lgdogf


                                    2 (2 + x)
                               - ---------------
                                 (x - 1) (x + 1)



------------------------------------------------------------------------------

Sequence:  A017522
Score: 5.05743
```

Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 0,\ a(1) = 144,\ a(2) = 576\}$$

Sequence: A017522
Score: 5.1929
Type of gen. func.: ogf

$$(f(x) + 36)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 144\,x^2 - f(x) + 144\,x)$$

Sequence: A017522
Score: 9.53451
Type of gen. func.: ogf

$$-\frac{144\,x\,(x+1)}{(x-1)^3}$$

Sequence: A017523
Score: 22.3882
Type of gen. func.: lgdogf

$$-\frac{2\,(x^2 + 7\,x + 4)}{(x-1)\,(x^2 + 4\,x + 1)}$$

Sequence: A017523
Score: 3.50928
Type of gen. func.: ogf

$$\{(n+3)\,a(n+4) + (-2 + 3\,n)\,a(n+3) + (-17 - 3\,n)\,a(n+2)$$
$$+ (-2 - n)\,a(n+1),\ a(0) = 0,\ a(1) = 1728,\ a(2) = 13824,\ a(3) = 46656\}$$

Sequence: A017523
Score: 4.77908
Type of gen. func.: ogf

$$-(55\,f(x) + 156528)\,(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - 1728\,x^3 - 4\,f(x)\,x$$

$- 6912 x^2 + f(x) - 1728 x)$

Sequence: A017523
Score: 8.85878
Type of gen. func.: ogf

$$\frac{1728 x (x^2 + 4 x + 1)}{(x - 1)^4}$$

Sequence: A017524
Score: 10.6501
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 + 18 x^2 + 33 x + 8)}{(x - 1) (x + 1) (x^2 + 10 x + 1)}$$

Sequence: A017524
Score: 4.67328
Type of gen. func.: ogf

$$-\frac{20736 x (x + 1) (x^2 + 10 x + 1)}{(x - 1)^5}$$

Sequence: A017525
Score: 3.72247
Type of gen. func.: ogf

$$\frac{248832 x (x^4 + 26 x^3 + 66 x^2 + 26 x + 1)}{(x - 1)^6}$$

Sequence: A017526
Score: 5.66511
Type of gen. func.: ogf

$$-\frac{2985984\,x\,(x+1)\,(x^4+56\,x^3+246\,x^2+56\,x+1)}{(x-1)^7}$$

Sequence: A017533
Score: 10.0445
Type of gen. func.: ogf

$$\{-a(n+2)+2\,a(n+1)-a(n),\ a(0)=1,\ a(1)=13\}$$

Sequence: A017533
Score: 18.1238
Type of gen. func.: ogf

$$\frac{1+11\,x}{(x-1)^2}$$

Sequence: A017533
Score: 22.7150
Type of gen. func.: revogf

$$-\frac{-1-2\,x+(1+48\,x)^{1/2}}{2\,(-11+x)}$$

Sequence: A017533
Score: 32.7096
Type of gen. func.: lgdogf

$$-\frac{13+11\,x}{(1+11\,x)\,(x-1)}$$

Sequence: A017533
Score: 9.36739
Type of gen. func.: ogf

$$(24\,f(x)+145)\,(f(x)\,x^2-2\,f(x)\,x+f(x)-11\,x-1)$$

Sequence: A017534
Score: 12.9864
Type of gen. func.: lgdogf

$$-\frac{121 x^{2} + 574 x + 169}{(x - 1) (121 x^{2} + 166 x + 1)}$$

Sequence: A017534
Score: 4.68005
Type of gen. func.: ogf

$(21936 f(x) - 2280941)$

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 121 x^{2} - f(x) + 166 x + 1)$$

Sequence: A017534
Score: 5.04316
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 169, a(2) = 625\}$

Sequence: A017534
Score: 9.00009
Type of gen. func.: ogf

$$-\frac{121 x^{2} + 166 x + 1}{(x - 1)^{3}}$$

Sequence: A017535
Score: 3.70891
Type of gen. func.: ogf

$$\{(1788 n^{2} + 7609 n + 8066) a(n + 1) + (-2160 n^{2} - 5224 n - 8399) a(n + 2)$$
$$+ (372 n^{2} + 1863 n + 2241) a(n + 3), a(0) = 1, a(1) = 2197, a(2) = 15625\}$$

Sequence: A017535
Score: 4.76859
Type of gen. func.: ogf

$$(1692352 f(x) + 5112147237) (f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 1331 x^{3} - 4 f(x) x - 6843 x^{2} + f(x) - 2193 x - 1)$$

Sequence: A017535
Score: 7.72512
Type of gen. func.: lgdogf

$$- \frac{1331 x^{3} + 17679 x^{2} + 20265 x + 2197}{(x - 1) (1331 x^{3} + 6843 x^{2} + 2193 x + 1)}$$

Sequence: A017535
Score: 8.92726
Type of gen. func.: ogf

$$\frac{1331 x^{3} + 6843 x^{2} + 2193 x + 1}{(x - 1)^{4}}$$

Sequence: A017536
Score: 4.53392
Type of gen. func.: ogf

$$- \frac{14641 x^{4} + 206636 x^{3} + 247830 x^{2} + 28556 x + 1}{(x - 1)^{5}}$$

Sequence: A017536
Score: 5.00555
Type of gen. func.: lgdogf

$$- \frac{14641 x^{4} + 471836 x^{3} + 1363398 x^{2} + 609884 x + 28561}{}$$

$$(x - 1) (14641 x^4 + 206636 x^3 + 247830 x^2 + 28556 x + 1)$$

Sequence: A017537
Score: 3.63696
Type of gen. func.: ogf

$$\frac{161051 x^5 + 5470037 x^4 + 16319582 x^3 + 7537882 x^2 + 371287 x + 1}{(x - 1)^6}$$

Sequence: A017538
Score: 4.23567
Type of gen. func.: ogf

$$- (1771561 x^6 + 135634962 x^5 + 839217183 x^4 + 958104988 x^3 + 210352983 x^2 + 4826802 x + 1) / (x - 1)^7$$

Sequence: A017545
Score: 10.0445
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 2, a(1) = 14\}$$

Sequence: A017545
Score: 18.1238
Type of gen. func.: ogf

$$\frac{2 (5 x + 1)}{(x - 1)^2}$$

Sequence: A017545
Score: 27.2580
Type of gen. func.: revogf

$$- \frac{-1 - x + (1 + 12 x)^{1/2}}{}$$

$$-10 + x$$

Sequence: A017545
Score: 37.1700
Type of gen. func.: lgdogf

$$-\frac{5 x + 7}{(5 x + 1) (x - 1)}$$

Sequence: A017545
Score: 9.58273
Type of gen. func.: ogf

$$(6 f(x) + 37) (f(x) x^{2} - 2 f(x) x + f(x) - 10 x - 2)$$

Sequence: A017546
Score: 14.2850
Type of gen. func.: lgdogf

$$-\frac{25 x^{2} + 142 x + 49}{(x - 1) (25 x^{2} + 46 x + 1)}$$

Sequence: A017546
Score: 4.83476
Type of gen. func.: ogf

$$(753 f(x) - 83042) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 100 x^{2} - f(x) + 184 x + 4)$$

Sequence: A017546
Score: 5.04316
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 4, a(1) = 196, a(2) = 676\}$$

Sequence: A017546
Score: 9.00009

Type of gen. func.: ogf

$$-\frac{4\,(25\,x^{2}+46\,x+1)}{(x-1)^{3}}$$

Sequence: A017547
Score: 10.1880
Type of gen. func.: lgdogf

$$-\frac{125\,x^{3}+2037\,x^{2}+2679\,x+343}{(x-1)\,(125\,x^{3}+831\,x^{2}+339\,x+1)}$$

Sequence: A017547
Score: 4.17119
Type of gen. func.: ogf

$$(14656\,f(x)+46960811)\,(f(x)\,x^{4}-4\,f(x)\,x^{3}+6\,f(x)\,x^{2}-1000\,x^{3}-4\,f(x)\,x - 6648\,x^{2}+f(x)-2712\,x-8)$$

Sequence: A017547
Score: 7.61486
Type of gen. func.: ogf

$$\frac{8\,(125\,x^{3}+831\,x^{2}+339\,x+1)}{(x-1)^{4}}$$

Sequence: A017548
Score: 4.51997
Type of gen. func.: ogf

$$-\frac{16\,(625\,x^{4}+11516\,x^{3}+16566\,x^{2}+2396\,x+1)}{(x-1)^{5}}$$

Sequence: A017548
Score: 5.72158
Type of gen. func.: lgdogf

$$-\frac{625 x^{4} + 25532 x^{3} + 84246 x^{2} + 42716 x + 2401}{(x - 1) (625 x^{4} + 11516 x^{3} + 16566 x^{2} + 2396 x + 1)}$$

Sequence: A017549
Score: 3.65125
Type of gen. func.: ogf

$$\frac{32 (3125 x^{5} + 142301 x^{4} + 500426 x^{3} + 270466 x^{2} + 16801 x + 1)}{(x - 1)^{6}}$$

Sequence: A017550
Score: 4.18724
Type of gen. func.: ogf

$$- 64 (15625 x^{6} + 1662186 x^{5} + 12064767 x^{4} + 15728812 x^{3} + 4003287 x^{2} + 117642 x + 1) \Big/ (x - 1)^{7}$$

Sequence: A017557
Score: 10.0445
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 3, a(1) = 15\}$$

Sequence: A017557
Score: 18.5266
Type of gen. func.: ogf

$$\frac{3 (3 x + 1)}{(x - 1)^{2}}$$

Sequence: A017557
Score: 24.0512
Type of gen. func.: revogf

$$-\frac{-3 - 2 x + (9 + 48 x)^{1/2}}{2 (x - 9)}$$

Sequence: A017557
Score: 37.1700
Type of gen. func.: lgdogf

$$-\frac{5 + 3 x}{(3 x + 1) (x - 1)}$$

Sequence: A017557
Score: 9.69416
Type of gen. func.: ogf

$$(8 f(x) + 51) (f(x) x^{2} - 2 f(x) x + f(x) - 9 x - 3)$$

Sequence: A017558
Score: 15.4433
Type of gen. func.: lgdogf

$$-\frac{9 x^{2} + 62 x + 25}{(x - 1) (9 x^{2} + 22 x + 1)}$$

Sequence: A017558
Score: 4.83476
Type of gen. func.: ogf

$$(976 f(x) - 114561) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 81 x^{2} - f(x) + 198 x + 9)$$

Sequence: A017558
Score: 5.04316
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 9, a(1) = 225, a(2) = 729\}$$

Sequence: A017558
Score: 9.14072
Type of gen. func.: ogf

$$-\frac{9 (9 x^2 + 22 x + 1)}{(x - 1)^3}$$

Sequence: A017559
Score: 3.51738
Type of gen. func.: ogf

$$(6976 f(x) + 23681079) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 729 x^3 - 4 f(x) x - 6345 x^2 + f(x) - 3267 x - 27)$$

Sequence: A017559
Score: 6.38036
Type of gen. func.: ogf

$$\frac{27 (27 x^3 + 235 x^2 + 121 x + 1)}{(x - 1)^4}$$

Sequence: A017559
Score: 9.24429
Type of gen. func.: lgdogf

$$-\frac{27 x^3 + 551 x^2 + 833 x + 125}{(x - 1) (27 x^3 + 235 x^2 + 121 x + 1)}$$

Sequence: A017560
Score: 4.55997
Type of gen. func.: ogf

$$-\frac{81 (81 x^4 + 1996 x^3 + 3446 x^2 + 620 x + 1)}{(x - 1)^5}$$

Sequence: A017560
Score: 6.29374
Type of gen. func.: lgdogf

$$-\frac{81 x^4 + 4316 x^3 + 16326 x^2 + 9372 x + 625}{(x - 1) (81 x^4 + 1996 x^3 + 3446 x^2 + 620 x + 1)}$$

Sequence: A017561
Score: 3.69115
Type of gen. func.: ogf

$$\frac{243 (243 x^5 + 15349 x^4 + 63854 x^3 + 40314 x^2 + 3119 x + 1)}{(x - 1)^6}$$

Sequence: A017562
Score: 4.25550
Type of gen. func.: ogf

$$- 729 (729 x^6 + 112546 x^5 + 963327 x^4 + 1434812 x^3 + 422087 x^2 + 15618 x + 1) \Big/ (x - 1)^7$$

Sequence: A017569
Score: 12.9822
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 8 x + 4$$

Sequence: A017569

Score: 18.1751
Type of gen. func.: ogf

$$\frac{4\,(2\,x+1)}{(x-1)^{2}}$$

Sequence: A017569
Score: 26.7333
Type of gen. func.: revogf

$$-\frac{-2-x+2\,(3\,x+1)^{1/2}}{-8+x}$$

Sequence: A017569
Score: 36.4545
Type of gen. func.: lgdogf

$$-\frac{2\,(2+x)}{(2\,x+1)\,(x-1)}$$

Sequence: A017569
Score: 9.85398
Type of gen. func.: ogf

$$\{-a(n+2)+2\,a(n+1)-a(n),\ a(0)=4,\ a(1)=16\}$$

Sequence: A017570
Score: 14.8343
Type of gen. func.: lgdogf

$$-\frac{2\,(x+8)\,(2\,x+1)}{(x-1)\,(4\,x^{2}+13\,x+1)}$$

Sequence: A017570
Score: 4.60933
Type of gen. func.: ogf

$(897\,f(x)-112252)$

$$(f(x)\, x^3 - 3\, f(x)\, x^2 + 3\, f(x)\, x + 64\, x^2 - f(x) + 208\, x + 16)$$

Sequence: A017570
Score: 4.80632
Type of gen. func.: ogf

$$\{a(n + 3) - 3\, a(n + 2) + 3\, a(n + 1) - a(n),\ a(0) = 16,\ a(1) = 256,\ a(2) = 784\}$$

Sequence: A017570
Score: 8.65137
Type of gen. func.: ogf

$$-\frac{16\, (4\, x^2 + 13\, x + 1)}{(x - 1)^3}$$

Sequence: A017571
Score: 3.47074
Type of gen. func.: ogf

$$-(2227\, f(x) + 7996608)\, (f(x)\, x^4 - 4\, f(x)\, x^3 + 6\, f(x)\, x^2 - 512\, x^3 - 4\, f(x)\, x - 5952\, x^2 + f(x) - 3840\, x - 64)$$

Sequence: A017571
Score: 6.41681
Type of gen. func.: ogf

$$\frac{64\, (8\, x^3 + 93\, x^2 + 60\, x + 1)}{(x - 1)^4}$$

Sequence: A017571
Score: 9.80553
Type of gen. func.: lgdogf

$$2\, (4\, x^3 + 105\, x^2 + 183\, x + 32)$$

$$- \frac{}{(x-1)(8x^3+93x^2+60x+1)}$$

Sequence: A017572
Score: 4.57163
Type of gen. func.: ogf

$$- \frac{256(16x^4+545x^3+1131x^2+251x+1)}{(x-1)^5}$$

Sequence: A017572
Score: 6.53062
Type of gen. func.: lgdogf

$$- \frac{2(8x^4+577x^3+2514x^2+1633x+128)}{(x-1)(16x^4+545x^3+1131x^2+251x+1)}$$

Sequence: A017573
Score: 3.71248
Type of gen. func.: ogf

$$\frac{1024(32x^5+2933x^4+14498x^3+10678x^2+1018x+1)}{(x-1)^6}$$

Sequence: A017581
Score: 18.1751
Type of gen. func.: ogf

$$\frac{7x+5}{(x-1)^2}$$

Sequence: A017581
Score: 22.2777
Type of gen. func.: revogf

$$-\frac{-5 - 2 x + (25 + 48 x)^{1/2}}{2 (-7 + x)}$$

Sequence: A017581
Score: 34.8695
Type of gen. func.: lgdogf

$$-\frac{17 + 7 x}{(7 x + 5) (x - 1)}$$

Sequence: A017581
Score: 9.29409
Type of gen. func.: ogf

$$(24 f(x) + 169) (f(x) x^2 - 2 f(x) x + f(x) - 7 x - 5)$$

Sequence: A017581
Score: 9.85398
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 5, a(1) = 17\}$$

Sequence: A017582
Score: 12.8427
Type of gen. func.: lgdogf

$$-\frac{49 x^2 + 526 x + 289}{(x - 1) (49 x^2 + 214 x + 25)}$$

Sequence: A017582
Score: 4.52565
Type of gen. func.: ogf

$$(31152 f(x) - 4157017)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 49 x^2 - f(x) + 214 x + 25)$$

Sequence: A017582
Score: 4.83509
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 25, a(1) = 289, a(2) = 841\}$$

Sequence: A017582
Score: 8.70317
Type of gen. func.: ogf

$$-\frac{49 x^2 + 214 x + 25}{(x - 1)^3}$$

Sequence: A017583
Score: 3.4471
Type of gen. func.: ogf

$$(357440 f(x) + 1355265607) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 343 x^3 - 4 f(x) x - 5487 x^2 + f(x) - 4413 x - 125)$$

Sequence: A017583
Score: 6.37910
Type of gen. func.: ogf

$$\frac{343 x^3 + 5487 x^2 + 4413 x + 125}{(x - 1)^4}$$

Sequence: A017583
Score: 7.86145
Type of gen. func.: lgdogf

$$-\frac{343 x^3 + 12003 x^2 + 24213 x + 4913}{(x - 1) (343 x^3 + 5487 x^2 + 4413 x + 125)}$$

Sequence: A017584
Score: 4.57163
Type of gen. func.: ogf

$$-\frac{2401 x^4 + 118316 x^3 + 295926 x^2 + 80396 x + 625}{(x - 1)^5}$$

Sequence: A017584
Score: 5.09388
Type of gen. func.: lgdogf

$$-\frac{2401 x^4 + 246236 x^3 + 1242726 x^2 + 913436 x + 83521}{(x - 1) (2401 x^4 + 118316 x^3 + 295926 x^2 + 80396 x + 625)}$$

Sequence: A017585
Score: 3.71248
Type of gen. func.: ogf

$$\frac{16807 x^5 + 2375257 x^4 + 14024662 x^3 + 12038882 x^2 + 1401107 x + 3125}{(x - 1)^6}$$

Sequence: A017593
Score: 10.0926
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 6, a(1) = 18\}$$

Sequence: A017593
Score: 13.2966
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 6 x + 6$$

Sequence: A017593
Score: 18.6152
Type of gen. func.: ogf

$$\frac{6 (x + 1)}{(x - 1)^2}$$

Sequence: A017593
Score: 28.3355
Type of gen. func.: revogf

$$- \frac{-3 - x + (9 + 12 x)^{1/2}}{-6 + x}$$

Sequence: A017593
Score: 39.7029
Type of gen. func.: ogf_with_Euler_transform]

[3 - x]

Sequence: A017593
Score: 45.6517
Type of gen. func.: lgdogf

$$- \frac{x + 3}{(x - 1) (x + 1)}$$

Sequence: A017594
Score: 17.8141
Type of gen. func.: lgdogf

$$- \frac{x^2 + 14 x + 9}{(x - 1) (x^2 + 6 x + 1)}$$

Sequence: A017594
Score: 4.75383
Type of gen. func.: ogf

$$(13 f(x) - 1848) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 36 x^2 - f(x) + 216 x + 36)$$

Sequence: A017594
Score: 4.83509
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 36, a(1) = 324, a(2) = 900\}$$

Sequence: A017594
Score: 8.70317
Type of gen. func.: ogf

$$- \frac{36 (x^2 + 6 x + 1)}{(x - 1)^3}$$

Sequence: A017595
Score: 11.5413
Type of gen. func.: lgdogf

$$- \frac{x^3 + 49 x^2 + 115 x + 27}{(x - 1) (x + 1) (x^2 + 22 x + 1)}$$

Sequence: A017595
Score: 3.58053
Type of gen. func.: ogf

$$-(8 f(x) + 31973) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 216 x^3 - 4 f(x) x - 4968 x^2 + f(x) - 4968 x - 216)$$

Sequence: A017595
Score: 6.37910
Type of gen. func.: ogf

^{2}

$$\frac{216 (x + 1) (x + 22 x + 1)}{(x - 1)^4}$$

Sequence: A017596
Score: 4.62329
Type of gen. func.: ogf

$$- \frac{1296 (x^4 + 76 x^3 + 230 x^2 + 76 x + 1)}{(x - 1)^5}$$

Sequence: A017596
Score: 7.92734
Type of gen. func.: lgdogf

$$- \frac{x^4 + 156 x^3 + 918 x^2 + 764 x + 81}{(x - 1) (x^4 + 76 x^3 + 230 x^2 + 76 x + 1)}$$

Sequence: A017597
Score: 3.73826
Type of gen. func.: ogf

$$\frac{7776 (x + 1) (x^4 + 236 x^3 + 1446 x^2 + 236 x + 1)}{(x - 1)^6}$$

Sequence: A017597
Score: 6.05721
Type of gen. func.: lgdogf

$$- \frac{x^5 + 479 x^4 + 5994 x^3 + 11774 x^2 + 4549 x + 243}{(x - 1) (x + 1) (x^4 + 236 x^3 + 1446 x^2 + 236 x + 1)}$$

Sequence: A017605
Score: 18.1751

Type of gen. func.: ogf

$$\frac{5 x + 7}{(x - 1)^{2}}$$

Sequence: A017605
Score: 22.2777
Type of gen. func.: revogf

$$- \frac{-7 - 2 x + (49 + 48 x)^{1/2}}{2 (-5 + x)}$$

Sequence: A017605
Score: 34.8695
Type of gen. func.: lgdogf

$$- \frac{5 x + 19}{(5 x + 7) (x - 1)}$$

Sequence: A017605
Score: 9.29409
Type of gen. func.: ogf

$$(24 f(x) + 193) (f(x) x^{2} - 2 f(x) x + f(x) - 5 x - 7)$$

Sequence: A017605
Score: 9.85398
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 7, a(1) = 19\}$$

Sequence: A017606
Score: 12.8427
Type of gen. func.: lgdogf

$$- \frac{25 x^{2} + 478 x + 361}{2}$$

$$(x - 1) (25 x + 214 x + 49)$$

Sequence: A017606
Score: 4.52565
Type of gen. func.: ogf

$$(36336 f(x) - 5492039) \left(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 25 x^{2} - f(x) + 214 x + 49\right)$$

Sequence: A017606
Score: 4.83509
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 49, a(1) = 361, a(2) = 961\}$$

Sequence: A017606
Score: 8.70317
Type of gen. func.: ogf

$$- \frac{25 x^{2} + 214 x + 49}{(x - 1)^{3}}$$

Sequence: A017607
Score: 3.4048
Type of gen. func.: ogf

$$(2986048 f(x) + 12558481563) \left(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 125 x^{3} - 4 f(x) x - 4413 x^{2} + f(x) - 5487 x - 343\right)$$

Sequence: A017607
Score: 6.37910
Type of gen. func.: ogf

$$\frac{125 x^{3} + 4413 x^{2} + 5487 x + 343}{(x - 1)^{4}}$$

Sequence: A017607
Score: 7.97706
Type of gen. func.: lgdogf

$$-\frac{125 x^{3} + 9201 x^{2} + 25287 x + 6859}{(x - 1) (125 x^{3} + 4413 x^{2} + 5487 x + 343)}$$

Sequence: A017608
Score: 4.62329
Type of gen. func.: ogf

$$-\frac{625 x^{4} + 80396 x^{3} + 295926 x^{2} + 118316 x + 2401}{(x - 1)^{5}}$$

Sequence: A017608
Score: 5.10175
Type of gen. func.: lgdogf

$$-\frac{625 x^{4} + 163292 x^{3} + 1128966 x^{2} + 1065116 x + 130321}{(x - 1) (625 x^{4} + 80396 x^{3} + 295926 x^{2} + 118316 x + 2401)}$$

Sequence: A017609
Score: 3.40359
Type of gen. func.: ogf

$$\frac{3125 x^{5} + 1401107 x^{4} + 12038882 x^{3} + 14024662 x^{2} + 2375257 x + 16807}{(x - 1)^{6}}$$

Sequence: A017617
Score: 18.1751
Type of gen. func.: ogf

$$4 (2 + x)$$

$$\frac{}{(x - 1)^{2}}$$

Sequence: A017617
Score: 26.7333
Type of gen. func.: revogf

$$- \frac{-4 - x + 2 (4 + 3 x)^{1/2}}{-4 + x}$$

Sequence: A017617
Score: 44.5555
Type of gen. func.: lgdogf

$$- \frac{x + 5}{(2 + x) (x - 1)}$$

Sequence: A017617
Score: 9.51023
Type of gen. func.: ogf

$$(3 f(x) + 26) (f(x) x^{2} - 2 f(x) x + f(x) - 4 x - 8)$$

Sequence: A017617
Score: 9.85398
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 8, a(1) = 20\}$$

Sequence: A017618
Score: 16.8365
Type of gen. func.: lgdogf

$$- \frac{x^{2} + 28 x + 25}{(x - 1) (x^{2} + 13 x + 4)}$$

Sequence: A017618
Score: 4.62661
Type of gen. func.: ogf

$$(1221 f(x) - 195716) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 16 x^2 - f(x) + 208 x + 64)$$

Sequence: A017618
Score: 4.82266
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 64, a(1) = 400, a(2) = 1024\}$$

Sequence: A017618
Score: 8.75498
Type of gen. func.: ogf

$$- \frac{16 (x^2 + 13 x + 4)}{(x - 1)^3}$$

Sequence: A017619
Score: 10.8488
Type of gen. func.: lgdogf

$$- \frac{x^3 + 123 x^2 + 399 x + 125}{(x - 1) (x^3 + 60 x^2 + 93 x + 8)}$$

Sequence: A017619
Score: 3.55758
Type of gen. func.: ogf

$$(3173 f(x) + 14021872) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 64 x^3 - 4 f(x) x - 3840 x^2 + f(x) - 5952 x - 512)$$

Sequence: A017619
Score: 6.45328
Type of gen. func.: ogf

$$\frac{64 (x^3 + 60 x^2 + 93 x + 8)}{(x - 1)^4}$$

Sequence: A017620
Score: 4.64911
Type of gen. func.: ogf

$$- \frac{256 (x^4 + 251 x^3 + 1131 x^2 + 545 x + 16)}{(x - 1)^5}$$

Sequence: A017620
Score: 7.19752
Type of gen. func.: lgdogf

$$- \frac{x^4 + 506 x^3 + 4146 x^2 + 4442 x + 625}{(x - 1) (x^4 + 251 x^3 + 1131 x^2 + 545 x + 16)}$$

Sequence: A017621
Score: 3.40359
Type of gen. func.: ogf

$$\frac{1024 (x^5 + 1018 x^4 + 10678 x^3 + 14498 x^2 + 2933 x + 32)}{(x - 1)^6}$$

Sequence: A017622
Score: 3.89215
Type of gen. func.: ogf

$$- \frac{4096 (x^6 + 4089 x^5 + 88998 x^4 + 262438 x^3 + 154113 x^2 + 15177 x + 64)}{(x - 1)^7}$$

Sequence: A017629
Score: 18.1751
Type of gen. func.: ogf

$$\frac{3 (x + 3)}{(x - 1)^2}$$

Sequence: A017629
Score: 22.2777
Type of gen. func.: revogf

$$- \frac{-9 - 2 x + (81 + 48 x)^{1/2}}{2 (-3 + x)}$$

Sequence: A017629
Score: 44.5555
Type of gen. func.: lgdogf

$$- \frac{7 + x}{(x + 3) (x - 1)}$$

Sequence: A017629
Score: 9.51023
Type of gen. func.: ogf

$$(8 f(x) + 75) (f(x) x^2 - 2 f(x) x + f(x) - 3 x - 9)$$

Sequence: A017629
Score: 9.85398
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 9, a(1) = 21\}$$

Sequence: A017630
Score: 16.8365

Type of gen. func.: lgdogf

$$-\frac{x^2 + 46 x + 49}{(x - 1) (x^2 + 22 x + 9)}$$

Sequence: A017630
Score: 4.66453
Type of gen. func.: ogf

$$(1552 f(x) - 263007)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 9 x^2 - f(x) + 198 x + 81)$$

Sequence: A017630
Score: 4.82266
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 81, a(1) = 441, a(2) = 1089}

Sequence: A017630
Score: 8.89178
Type of gen. func.: ogf

$$-\frac{9 (x^2 + 22 x + 9)}{(x - 1)^3}$$

Sequence: A017631
Score: 10.2347
Type of gen. func.: lgdogf

$$-\frac{x^3 + 245 x^2 + 947 x + 343}{(x - 1) (x^3 + 121 x^2 + 235 x + 27)}$$

Sequence: A017631
Score: 3.49046
Type of gen. func.: ogf

$$(130624 f(x) + 605764071) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 27 x^3 - 4 f(x) x - 3267 x^2 + f(x) - 6345 x - 729)$$

Sequence: A017631
Score: 6.45328
Type of gen. func.: ogf

$$\frac{27 (x^3 + 121 x^2 + 235 x + 27)}{(x - 1)^4}$$

Sequence: A017632
Score: 4.71632
Type of gen. func.: ogf

$$- \frac{81 (x^4 + 620 x^3 + 3446 x^2 + 1996 x + 81)}{(x - 1)^5}$$

Sequence: A017633
Score: 3.47550
Type of gen. func.: ogf

$$\frac{243 (x^5 + 3119 x^4 + 40314 x^3 + 63854 x^2 + 15349 x + 243)}{(x - 1)^6}$$

Sequence: A017641
Score: 17.8663
Type of gen. func.: ogf

$$\frac{2 (x + 5)}{(x - 1)^2}$$

Sequence: A017641
Score: 26.8656
Type of gen. func.: revogf

$$-\frac{-5 - x + (25 + 12\,x)^{1/2}}{-2 + x}$$

Sequence: A017641
Score: 42.4194
Type of gen. func.: lgdogf

$$-\frac{x + 11}{(x + 5)\,(x - 1)}$$

Sequence: A017641
Score: 9.44656
Type of gen. func.: ogf

$$(6\,f(x) + 61)\,(f(x)\,x^2 - 2\,f(x)\,x + f(x) - 2\,x - 10)$$

Sequence: A017641
Score: 9.78393
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\,a(n + 1) - a(n),\ a(0) = 10,\ a(1) = 22\}$$

Sequence: A017642
Score: 15.9706
Type of gen. func.: lgdogf

$$-\frac{x^2 + 94\,x + 121}{(x - 1)\,(x^2 + 46\,x + 25)}$$

Sequence: A017642
Score: 4.65399
Type of gen. func.: ogf

$$(1401\,f(x) - 250126)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) + 184 x + 100)$$

Sequence: A017642
Score: 4.81043
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 100, a(1) = 484, a(2) = 1156\}$$

Sequence: A017642
Score: 8.80678
Type of gen. func.: ogf

$$- \frac{4 (x^2 + 46 x + 25)}{(x - 1)^3}$$

Sequence: A017643
Score: 13.0908
Type of gen. func.: lgdogf

$$- \frac{x^3 + 681 x^2 + 3171 x + 1331}{(x - 1) (x^3 + 339 x^2 + 831 x + 125)}$$

Sequence: A017643
Score: 3.57135
Type of gen. func.: ogf

$$\{(174 n^2 + 863 n + 1030) a(n + 1) + (-756 n^2 - 5372 n - 11713) a(n + 2) + (582 n^2 + 3285 n + 4617) a(n + 3), a(0) = 1000, a(1) = 10648, a(2) = 39304\}$$

Sequence: A017643
Score: 4.72414
Type of gen. func.: ogf

$$(29840 f(x) + 145075143) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 8 x^3 - 4 f(x) x - 2712 x^2 + f(x) - 6648 x - 1000)$$

Sequence: A017643
Score: 8.67922
Type of gen. func.: ogf

$$\frac{8 (x^3 + 339 x^2 + 831 x + 125)}{(x - 1)^4}$$

Sequence: A017644
Score: 4.36091
Type of gen. func.: ogf

$$- \frac{16 (x^4 + 2396 x^3 + 16566 x^2 + 11516 x + 625)}{(x - 1)^5}$$

Sequence: A017644
Score: 5.92173
Type of gen. func.: lgdogf

$$- \frac{x^4 + 4796 x^3 + 56886 x^2 + 79196 x + 14641}{(x - 1) (x^4 + 2396 x^3 + 16566 x^2 + 11516 x + 625)}$$

Sequence: A017645
Score: 3.49503
Type of gen. func.: ogf

$$\frac{32 (x^5 + 16801 x^4 + 270466 x^3 + 500426 x^2 + 142301 x + 3125)}{(x - 1)^6}$$

Sequence: A017653
Score: 17.8663
Type of gen. func.: ogf

$$\frac{x + 11}{(x - 1)^{2}}$$

Sequence: A017653
Score: 21.7829
Type of gen. func.: revogf

$$-\frac{-11 - 2 x + (121 + 48 x)^{1/2}}{2 (x - 1)}$$

Sequence: A017653
Score: 40.2984
Type of gen. func.: lgdogf

$$-\frac{23 + x}{(x + 11) (x - 1)}$$

Sequence: A017653
Score: 9.23427
Type of gen. func.: ogf

$$(24 f(x) + 265) (f(x) x^{2} - 2 f(x) x + f(x) - x - 11)$$

Sequence: A017653
Score: 9.78393
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 11, a(1) = 23\}$$

Sequence: A017654
Score: 14.7098
Type of gen. func.: lgdogf

2

$$-\frac{x + 334 x + 529}{(x - 1) (x^2 + 166 x + 121)}$$

Sequence: A017654
Score: 4.57952
Type of gen. func.: ogf

$$(47856 f(x) - 8967091)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 166 x + 121)$$

Sequence: A017654
Score: 4.81043
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 121, a(1) = 529, a(2) = 1225

}

Sequence: A017654
Score: 8.80678
Type of gen. func.: ogf

$$-\frac{x^2 + 166 x + 121}{(x - 1)^3}$$

Sequence: A017655
Score: 3.48388
Type of gen. func.: ogf

$$(4127552 f(x) + 21023426887) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x$$

$$- 2193 x^2 + f(x) - 6843 x - 1331)$$

Sequence: A017655
Score: 6.56265
Type of gen. func.: ogf

$$\frac{x^3 + 2193 x^2 + 6843 x + 1331}{(x - 1)^4}$$

Sequence: A017655
Score: 8.90075
Type of gen. func.: lgdogf

$$- \frac{x^3 + 4389 x^2 + 24915 x + 12167}{(x - 1) (x^3 + 2193 x^2 + 6843 x + 1331)}$$

Sequence: A017656
Score: 4.39950
Type of gen. func.: ogf

$$- \frac{x^4 + 28556 x^3 + 247830 x^2 + 206636 x + 14641}{(x - 1)^5}$$

Sequence: A017656
Score: 5.27807
Type of gen. func.: lgdogf

$$- \frac{x^4 + 57116 x^3 + 829158 x^2 + 1322204 x + 279841}{(x - 1) (x^4 + 28556 x^3 + 247830 x^2 + 206636 x + 14641)}$$

Sequence: A017657
Score: 5.26853
Type of gen. func.: ogf

$$\frac{x^5 + 371287 x^4 + 7537882 x^3 + 16319582 x^2 + 5470037 x + 161051}{(x - 1)^6}$$

Sequence: A017713

Score: 39.0200
Type of gen. func.: lgdogf

$$-50 + (1 - x) f(x)$$

Sequence: A017713
Score: 5.26265
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (51 + n) a(n + 1), a(0) = 1, a(1) = 50\}$$

Sequence: A017714
Score: 39.2264
Type of gen. func.: lgdogf

$$-51 + (1 - x) f(x)$$

Sequence: A017714
Score: 6.50017
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (52 + n) a(n + 1), a(0) = 1, a(1) = 51\}$$

Sequence: A017715
Score: 39.4329
Type of gen. func.: lgdogf

$$-52 + (1 - x) f(x)$$

Sequence: A017715
Score: 5.31719
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (53 + n) a(n + 1), a(0) = 1, a(1) = 52\}$$

Sequence: A017716
Score: 39.6394
Type of gen. func.: lgdogf

$$-53 + (1 - x) f(x)$$

Sequence: A017716
Score: 5.34446
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (54 + n) a(n + 1), a(0) = 1, a(1) = 53\}$$

Sequence: A017717
Score: 39.6394
Type of gen. func.: lgdogf

$$-54 + (1 - x) f(x)$$

Sequence: A017717
Score: 5.34446
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (55 + n) a(n + 1), a(0) = 1, a(1) = 54\}$$

Sequence: A017718
Score: 40.0523
Type of gen. func.: lgdogf

$$-55 + (1 - x) f(x)$$

Sequence: A017718
Score: 5.39899
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (56 + n) a(n + 1), a(0) = 1, a(1) = 55\}$$

Sequence: A017719
Score: 40.2587
Type of gen. func.: lgdogf

$$-56 + (1 - x) f(x)$$

Sequence: A017719
Score: 5.42626
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (57 + n) a(n + 1), a(0) = 1, a(1) = 56}

Sequence: A017720
Score: 40.2587
Type of gen. func.: lgdogf

-57 + (1 - x) f(x)

Sequence: A017720
Score: 5.42626
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (58 + n) a(n + 1), a(0) = 1, a(1) = 57}

Sequence: A017721
Score: 40.4652
Type of gen. func.: lgdogf

-58 + (1 - x) f(x)

Sequence: A017721
Score: 5.45353
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (59 + n) a(n + 1), a(0) = 1, a(1) = 58}

Sequence: A017722
Score: 36.2246
Type of gen. func.: lgdogf

-59 + (1 - x) f(x)

Sequence: A017722
Score: 4.89129
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (60 + n) a(n + 1), a(0) = 1, a(1) = 59}

Sequence: A017723
Score: 36.2246
Type of gen. func.: lgdogf

-60 + (1 - x) f(x)

Sequence: A017723
Score: 4.89129
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (61 + n) a(n + 1), a(0) = 1, a(1) = 60}

Sequence: A017724
Score: 36.4270
Type of gen. func.: lgdogf

-61 + (1 - x) f(x)

Sequence: A017724
Score: 4.91803
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (62 + n) a(n + 1), a(0) = 1, a(1) = 61}

Sequence: A017725
Score: 36.6294
Type of gen. func.: lgdogf

-62 + (1 - x) f(x)

Sequence: A017725
Score: 4.94475
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (63 + n) a(n + 1), a(0) = 1, a(1) = 62}

Sequence: A017726
Score: 37.0341
Type of gen. func.: lgdogf

$$-63 + (1 - x) f(x)$$

Sequence: A017726
Score: 4.99821
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (64 + n) a(n + 1), a(0) = 1, a(1) = 63\}$$

Sequence: A017727
Score: 37.4388
Type of gen. func.: lgdogf

$$-64 + (1 - x) f(x)$$

Sequence: A017727
Score: 5.05167
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (65 + n) a(n + 1), a(0) = 1, a(1) = 64\}$$

Sequence: A017728
Score: 37.6412
Type of gen. func.: lgdogf

$$-65 + (1 - x) f(x)$$

Sequence: A017728
Score: 5.07840
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (66 + n) a(n + 1), a(0) = 1, a(1) = 65\}$$

Sequence: A017729
Score: 37.8436
Type of gen. func.: lgdogf

-66 + (1 - x) f(x)

Sequence: A017729
Score: 5.10512
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (67 + n) a(n + 1), a(0) = 1, a(1) = 66}

Sequence: A017730
Score: 37.8436
Type of gen. func.: lgdogf

-67 + (1 - x) f(x)

Sequence: A017730
Score: 5.10512
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (68 + n) a(n + 1), a(0) = 1, a(1) = 67}

Sequence: A017731
Score: 38.0460
Type of gen. func.: lgdogf

-68 + (1 - x) f(x)

Sequence: A017731
Score: 5.13185
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (69 + n) a(n + 1), a(0) = 1, a(1) = 68}

Sequence: A017732
Score: 38.4507
Type of gen. func.: lgdogf

-69 + (1 - x) f(x)

Sequence: A017732
Score: 5.18531
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (70 + n) a(n + 1), a(0) = 1, a(1) = 69}

Sequence: A017733
Score: 34.2613
Type of gen. func.: lgdogf

-70 + (1 - x) f(x)

Sequence: A017733
Score: 4.62970
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (71 + n) a(n + 1), a(0) = 1, a(1) = 70}

Sequence: A017734
Score: 34.2613
Type of gen. func.: lgdogf

-71 + (1 - x) f(x)

Sequence: A017734
Score: 4.62970
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (72 + n) a(n + 1), a(0) = 1, a(1) = 71}

Sequence: A017735
Score: 34.2613
Type of gen. func.: lgdogf

-72 + (1 - x) f(x)

Sequence: A017735
Score: 4.62970
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (73 + n) a(n + 1), a(0) = 1, a(1) = 72}

Sequence: A017736
Score: 34.4593
Type of gen. func.: lgdogf

-73 + (1 - x) f(x)

Sequence: A017736
Score: 4.65586
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (74 + n) a(n + 1), a(0) = 1, a(1) = 73}

Sequence: A017737
Score: 34.4593
Type of gen. func.: lgdogf

-74 + (1 - x) f(x)

Sequence: A017737
Score: 4.65586
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (75 + n) a(n + 1), a(0) = 1, a(1) = 74}

Sequence: A017738
Score: 34.6574
Type of gen. func.: lgdogf

-75 + (1 - x) f(x)

Sequence: A017738
Score: 4.68202
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (76 + n) a(n + 1), a(0) = 1, a(1) = 75}

Sequence: A017739
Score: 34.6574
Type of gen. func.: lgdogf

$$-76 + (1 - x) f(x)$$

Sequence: A017739
Score: 4.68202
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (77 + n) a(n + 1), a(0) = 1, a(1) = 76\}$$

Sequence: A017740
Score: 34.6574
Type of gen. func.: lgdogf

$$-77 + (1 - x) f(x)$$

Sequence: A017740
Score: 4.68202
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (78 + n) a(n + 1), a(0) = 1, a(1) = 77\}$$

Sequence: A017741
Score: 34.8554
Type of gen. func.: lgdogf

$$-78 + (1 - x) f(x)$$

Sequence: A017741
Score: 6.66666
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (79 + n) a(n + 1), a(0) = 1, a(1) = 78\}$$

Sequence: A017742
Score: 34.8554

Type of gen. func.: lgdogf

-79 + (1 - x) f(x)

Sequence: A017742
Score: 4.70817
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (80 + n) a(n + 1), a(0) = 1, a(1) = 79}

Sequence: A017743
Score: 34.8554
Type of gen. func.: lgdogf

-80 + (1 - x) f(x)

Sequence: A017743
Score: 4.70817
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (81 + n) a(n + 1), a(0) = 1, a(1) = 80}

Sequence: A017744
Score: 35.0535
Type of gen. func.: lgdogf

-81 + (1 - x) f(x)

Sequence: A017744
Score: 4.73433
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (82 + n) a(n + 1), a(0) = 1, a(1) = 81}

Sequence: A017745
Score: 35.0535
Type of gen. func.: lgdogf

-82 + (1 - x) f(x)

Sequence: A017745
Score: 4.73433
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (83 + n) a(n + 1), a(0) = 1, a(1) = 82}

Sequence: A017746
Score: 35.0535
Type of gen. func.: lgdogf

-83 + (1 - x) f(x)

Sequence: A017746
Score: 4.73433
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (84 + n) a(n + 1), a(0) = 1, a(1) = 83}

Sequence: A017747
Score: 35.2515
Type of gen. func.: lgdogf

-84 + (1 - x) f(x)

Sequence: A017747
Score: 4.76048
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (85 + n) a(n + 1), a(0) = 1, a(1) = 84}

Sequence: A017748
Score: 35.2515
Type of gen. func.: lgdogf

-85 + (1 - x) f(x)

Sequence: A017748

Score: 4.76048
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (86 + n) a(n + 1), a(0) = 1, a(1) = 85}

Sequence: A017749
Score: 35.8456
Type of gen. func.: lgdogf

-86 + (1 - x) f(x)

Sequence: A017749
Score: 4.83895
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (87 + n) a(n + 1), a(0) = 1, a(1) = 86}

Sequence: A017750
Score: 35.8456
Type of gen. func.: lgdogf

-87 + (1 - x) f(x)

Sequence: A017750
Score: 4.83895
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (88 + n) a(n + 1), a(0) = 1, a(1) = 87}

Sequence: A017751
Score: 36.2417
Type of gen. func.: lgdogf

-88 + (1 - x) f(x)

Sequence: A017751
Score: 4.89126
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (89 + n) a(n + 1), a(0) = 1, a(1) = 88}

Sequence: A017752
Score: 36.4398
Type of gen. func.: lgdogf

-89 + (1 - x) f(x)

Sequence: A017752
Score: 4.91742
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (90 + n) a(n + 1), a(0) = 1, a(1) = 89}

Sequence: A017753
Score: 36.4398
Type of gen. func.: lgdogf

-90 + (1 - x) f(x)

Sequence: A017753
Score: 4.91742
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (91 + n) a(n + 1), a(0) = 1, a(1) = 90}

Sequence: A017754
Score: 36.6378
Type of gen. func.: lgdogf

-91 + (1 - x) f(x)

Sequence: A017754
Score: 4.94358
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (92 + n) a(n + 1), a(0) = 1, a(1) = 91}

Sequence: A017755
Score: 36.6378
Type of gen. func.: lgdogf

$$-92 + (1 - x) f(x)$$

Sequence: A017755
Score: 4.94358
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (93 + n) a(n + 1), a(0) = 1, a(1) = 92\}$$

Sequence: A017756
Score: 32.4966
Type of gen. func.: lgdogf

$$-93 + (1 - x) f(x)$$

Sequence: A017756
Score: 4.39420
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (94 + n) a(n + 1), a(0) = 1, a(1) = 93\}$$

Sequence: A017757
Score: 47.0717
Type of gen. func.: lgdogf

$$-94 + (1 - x) f(x)$$

Sequence: A017757
Score: 6.32609
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (95 + n) a(n + 1), a(0) = 1, a(1) = 94\}$$

Sequence: A017758
Score: 47.2782
Type of gen. func.: lgdogf

-95 + (1 - x) f(x)

Sequence: A017758
Score: 6.35336
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (96 + n) a(n + 1), a(0) = 1, a(1) = 95}

Sequence: A017759
Score: 47.2782
Type of gen. func.: lgdogf

-96 + (1 - x) f(x)

Sequence: A017759
Score: 6.35336
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (97 + n) a(n + 1), a(0) = 1, a(1) = 96}

Sequence: A017760
Score: 47.2782
Type of gen. func.: lgdogf

-97 + (1 - x) f(x)

Sequence: A017760
Score: 6.35336
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (98 + n) a(n + 1), a(0) = 1, a(1) = 97}

Sequence: A017761
Score: 47.4846
Type of gen. func.: lgdogf

-98 + (1 - x) f(x)

Sequence: A017761
Score: 6.38063
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (99 + n) a(n + 1), a(0) = 1, a(1) = 98\}$$

Sequence: A017762
Score: 47.4846
Type of gen. func.: lgdogf

$$-99 + (1 - x) f(x)$$

Sequence: A017762
Score: 6.32100
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (100 + n) a(n + 1), a(0) = 1, a(1) = 99\}$$

Sequence: A017763
Score: 30.5107
Type of gen. func.: lgdogf

$$-100 + (1 - x) f(x)$$

Sequence: A017763
Score: 4.33790
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (101 + n) a(n + 1), a(0) = 1, a(1) = 100\}$$

Sequence: A017764
Score: 30.5107
Type of gen. func.: lgdogf

$$-101 + (1 - x) f(x)$$

Sequence: A017764
Score: 6.31599
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (102 + n) a(n + 1), a(0) = 1, a(1) = 101}

Sequence: A017765
Score: 28.7850
Type of gen. func.: ogf_with_Euler_transform]

[49 - 49 x]

Sequence: A017765
Score: 47.1901
Type of gen. func.: lgdogf

-49 + (x + 1) f(x)

Sequence: A017765
Score: 6.34754
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (48 - n) a(n + 1), a(0) = 1, a(1) = 49}

Sequence: A017766
Score: 29.0456
Type of gen. func.: ogf_with_Euler_transform]

[50 - 50 x]

Sequence: A017766
Score: 47.6250
Type of gen. func.: lgdogf

-50 + (x + 1) f(x)

Sequence: A017766
Score: 6.40498
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (49 - n) a(n + 1), a(0) = 1, a(1) = 50}

Sequence: A017767
Score: 29.4363
Type of gen. func.: ogf_with_Euler_transform]

[51 - 51 x]

Sequence: A017767
Score: 48.2774
Type of gen. func.: lgdogf

-51 + (x + 1) f(x)

Sequence: A017767
Score: 6.49115
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (50 - n) a(n + 1), a(0) = 1, a(1) = 51}

Sequence: A017768
Score: 29.6968
Type of gen. func.: ogf_with_Euler_transform]

[52 - 52 x]

Sequence: A017768
Score: 48.7123
Type of gen. func.: lgdogf

-52 + (x + 1) f(x)

Sequence: A017768
Score: 6.54859
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (51 - n) a(n + 1), a(0) = 1, a(1) = 52}

Sequence: A017769
Score: 29.8270
Type of gen. func.: ogf_with_Euler_transform]

```
                                   [53 - 53 x]



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Sequence:  A017769
Score: 48.9298
Type of gen. func.: lgdogf


                                -53 + (x + 1) f(x)



--------------------------------------------------------------------------------

Sequence:  A017769
Score: 6.57731
Type of gen. func.: ogf


          {(-2 - n) a(n + 2) + (52 - n) a(n + 1), a(0) = 1, a(1) = 53}



--------------------------------------------------------------------------------

Sequence:  A017770
Score: 30.0876
Type of gen. func.: ogf_with_Euler_transform]


                                   [54 - 54 x]



--------------------------------------------------------------------------------

Sequence:  A017770
Score: 49.3647
Type of gen. func.: lgdogf


                                -54 + (x + 1) f(x)



--------------------------------------------------------------------------------

Sequence:  A017770
Score: 6.63475
Type of gen. func.: ogf


          {(-2 - n) a(n + 2) + (53 - n) a(n + 1), a(0) = 1, a(1) = 54}



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Sequence:  A017771
Score: 30.4783
Type of gen. func.: ogf_with_Euler_transform]


                                   [55 - 55 x]
```

Sequence: A017771
Score: 50.0171
Type of gen. func.: lgdogf

-55 + (x + 1) f(x)

Sequence: A017771
Score: 6.72092
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (54 - n) a(n + 1), a(0) = 1, a(1) = 55}

Sequence: A017772
Score: 30.4783
Type of gen. func.: ogf_with_Euler_transform]

[56 - 56 x]

Sequence: A017772
Score: 50.0171
Type of gen. func.: lgdogf

-56 + (x + 1) f(x)

Sequence: A017772
Score: 6.72092
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (55 - n) a(n + 1), a(0) = 1, a(1) = 56}

Sequence: A017773
Score: 28.0362
Type of gen. func.: ogf_with_Euler_transform]

[57 - 57 x]

Sequence: A017773
Score: 46.0059

Type of gen. func.: lgdogf

-57 + (x + 1) f(x)

Sequence: A017773
Score: 6.18929
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (56 - n) a(n + 1), a(0) = 1, a(1) = 57}

Sequence: A017774
Score: 28.2922
Type of gen. func.: ogf_with_Euler_transform]

[58 - 58 x]

Sequence: A017774
Score: 46.4338
Type of gen. func.: lgdogf

-58 + (x + 1) f(x)

Sequence: A017774
Score: 6.24581
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (57 - n) a(n + 1), a(0) = 1, a(1) = 58}

Sequence: A017775
Score: 28.6763
Type of gen. func.: ogf_with_Euler_transform]

[59 - 59 x]

Sequence: A017775
Score: 47.0758
Type of gen. func.: lgdogf

-59 + (x + 1) f(x)

Sequence: A017775
Score: 6.33060
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (58 - n) a(n + 1), a(0) = 1, a(1) = 59}

Sequence: A017776
Score: 28.6763
Type of gen. func.: ogf_with_Euler_transform]

[60 - 60 x]

Sequence: A017776
Score: 47.0758
Type of gen. func.: lgdogf

-60 + (x + 1) f(x)

Sequence: A017776
Score: 6.33060
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (59 - n) a(n + 1), a(0) = 1, a(1) = 60}

Sequence: A017777
Score: 28.8043
Type of gen. func.: ogf_with_Euler_transform]

[61 - 61 x]

Sequence: A017777
Score: 47.2897
Type of gen. func.: lgdogf

-61 + (x + 1) f(x)

Sequence: A017777

Score: 6.35886
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (60 - n) a(n + 1), a(0) = 1, a(1) = 61}

Sequence: A017778
Score: 28.9323
Type of gen. func.: ogf_with_Euler_transform]

[62 - 62 x]

Sequence: A017778
Score: 47.5037
Type of gen. func.: lgdogf

-62 + (x + 1) f(x)

Sequence: A017778
Score: 6.38712
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (61 - n) a(n + 1), a(0) = 1, a(1) = 62}

Sequence: A017779
Score: 29.3164
Type of gen. func.: ogf_with_Euler_transform]

[63 - 63 x]

Sequence: A017779
Score: 48.1457
Type of gen. func.: lgdogf

-63 + (x + 1) f(x)

Sequence: A017779
Score: 6.47191
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (62 - n) a(n + 1), a(0) = 1, a(1) = 63}

Sequence: A017780
Score: 26.6417
Type of gen. func.: ogf_with_Euler_transform]

[64 - 64 x]

Sequence: A017780
Score: 43.7460
Type of gen. func.: lgdogf

-64 + (x + 1) f(x)

Sequence: A017780
Score: 5.88888
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (63 - n) a(n + 1), a(0) = 1, a(1) = 64}

Sequence: A017781
Score: 29.4444
Type of gen. func.: ogf_with_Euler_transform]

[65 - 65 x]

Sequence: A017781
Score: 48.3596
Type of gen. func.: lgdogf

-65 + (x + 1) f(x)

Sequence: A017781
Score: 6.50017
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (64 - n) a(n + 1), a(0) = 1, a(1) = 65}

Sequence: A017782
Score: 26.7673
Type of gen. func.: ogf_with_Euler_transform]

[66 - 66 x]

Sequence: A017782
Score: 43.9563
Type of gen. func.: lgdogf

-66 + (x + 1) f(x)

Sequence: A017782
Score: 5.91666
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (65 - n) a(n + 1), a(0) = 1, a(1) = 66}

Sequence: A017783
Score: 29.7004
Type of gen. func.: ogf_with_Euler_transform]

[67 - 67 x]

Sequence: A017783
Score: 48.7876
Type of gen. func.: lgdogf

-67 + (x + 1) f(x)

Sequence: A017783
Score: 6.55669
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (66 - n) a(n + 1), a(0) = 1, a(1) = 67}

Sequence: A017784
Score: 27.3957
Type of gen. func.: ogf_with_Euler_transform]

[68 - 68 x]

Sequence: A017784
Score: 45.0079
Type of gen. func.: lgdogf

-68 + (x + 1) f(x)

Sequence: A017784
Score: 6.05555
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (67 - n) a(n + 1), a(0) = 1, a(1) = 68}

Sequence: A017785
Score: 27.5213
Type of gen. func.: ogf_with_Euler_transform]

[69 - 69 x]

Sequence: A017785
Score: 45.2182
Type of gen. func.: lgdogf

-69 + (x + 1) f(x)

Sequence: A017785
Score: 6.08332
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (68 - n) a(n + 1), a(0) = 1, a(1) = 69}

Sequence: A017786
Score: 27.6470
Type of gen. func.: ogf_with_Euler_transform]

[70 - 70 x]

Sequence: A017786
Score: 45.4285
Type of gen. func.: lgdogf

-70 + (x + 1) f(x)

Sequence: A017786
Score: 6.11110
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (69 - n) a(n + 1), a(0) = 1, a(1) = 70}

Sequence: A017787
Score: 27.8983
Type of gen. func.: ogf_with_Euler_transform]

[71 - 71 x]

Sequence: A017787
Score: 45.8491
Type of gen. func.: lgdogf

-71 + (x + 1) f(x)

Sequence: A017787
Score: 6.16666
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (70 - n) a(n + 1), a(0) = 1, a(1) = 71}

Sequence: A017788
Score: 28.1497
Type of gen. func.: ogf_with_Euler_transform]

[72 - 72 x]

Sequence: A017788
Score: 46.2698
Type of gen. func.: lgdogf

-72 + (x + 1) f(x)

Sequence: A017788
Score: 6.22222
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (71 - n) a(n + 1), a(0) = 1, a(1) = 72}

Sequence: A017789
Score: 28.1497
Type of gen. func.: ogf_with_Euler_transform]

[73 - 73 x]

Sequence: A017789
Score: 46.2698
Type of gen. func.: lgdogf

-73 + (x + 1) f(x)

Sequence: A017789
Score: 6.22222
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (72 - n) a(n + 1), a(0) = 1, a(1) = 73}

Sequence: A017790
Score: 28.4010
Type of gen. func.: ogf_with_Euler_transform]

[74 - 74 x]

Sequence: A017790
Score: 46.6904
Type of gen. func.: lgdogf

-74 + (x + 1) f(x)

Sequence: A017790
Score: 6.27776
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (73 - n) a(n + 1), a(0) = 1, a(1) = 74}

Sequence: A017791
Score: 28.4010
Type of gen. func.: ogf_with_Euler_transform]

[75 - 75 x]

Sequence: A017791
Score: 46.6904
Type of gen. func.: lgdogf

-75 + (x + 1) f(x)

Sequence: A017791
Score: 6.27776
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (74 - n) a(n + 1), a(0) = 1, a(1) = 75}

Sequence: A017792
Score: 28.6523
Type of gen. func.: ogf_with_Euler_transform]

[76 - 76 x]

Sequence: A017792
Score: 47.1110
Type of gen. func.: lgdogf

-76 + (x + 1) f(x)

Sequence: A017792
Score: 6.33332
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (75 - n) a(n + 1), a(0) = 1, a(1) = 76}

Sequence: A017793
Score: 28.7780
Type of gen. func.: ogf_with_Euler_transform]

[77 - 77 x]

Sequence: A017793
Score: 47.3214
Type of gen. func.: lgdogf

-77 + (x + 1) f(x)

Sequence: A017793
Score: 6.36110
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (76 - n) a(n + 1), a(0) = 1, a(1) = 77}

Sequence: A017794
Score: 28.9037
Type of gen. func.: ogf_with_Euler_transform]

[78 - 78 x]

Sequence: A017794
Score: 47.5317
Type of gen. func.: lgdogf

-78 + (x + 1) f(x)

Sequence: A017794
Score: 6.38888
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (77 - n) a(n + 1), a(0) = 1, a(1) = 78}

Sequence: A017795
Score: 28.9037
Type of gen. func.: ogf_with_Euler_transform]

[79 - 79 x]

Sequence: A017795
Score: 47.5317
Type of gen. func.: lgdogf

-79 + (x + 1) f(x)

Sequence: A017795
Score: 6.38888
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (78 - n) a(n + 1), a(0) = 1, a(1) = 79}

Sequence: A017796
Score: 26.2380
Type of gen. func.: ogf_with_Euler_transform]

[80 - 80 x]

Sequence: A017796
Score: 43.1491
Type of gen. func.: lgdogf

-80 + (x + 1) f(x)

Sequence: A017796
Score: 5.80801
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (79 - n) a(n + 1), a(0) = 1, a(1) = 80}

Sequence: A017797
Score: 29.1550

Type of gen. func.: ogf_with_Euler_transform]

[81 - 81 x]

Sequence: A017797
Score: 47.9523
Type of gen. func.: lgdogf

-81 + (x + 1) f(x)

Sequence: A017797
Score: 6.44443
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (80 - n) a(n + 1), a(0) = 1, a(1) = 81}

Sequence: A017798
Score: 29.1550
Type of gen. func.: ogf_with_Euler_transform]

[82 - 82 x]

Sequence: A017798
Score: 47.9523
Type of gen. func.: lgdogf

-82 + (x + 1) f(x)

Sequence: A017798
Score: 6.44443
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (81 - n) a(n + 1), a(0) = 1, a(1) = 82}

Sequence: A017799
Score: 29.2807
Type of gen. func.: ogf_with_Euler_transform]

[83 - 83 x]

Sequence: A017799
Score: 48.1626
Type of gen. func.: lgdogf

$$-83 + (x + 1) f(x)$$

Sequence: A017799
Score: 6.47222
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (82 - n) a(n + 1), a(0) = 1, a(1) = 83\}$$

Sequence: A017800
Score: 29.4064
Type of gen. func.: ogf_with_Euler_transform]

$$[84 - 84 x]$$

Sequence: A017800
Score: 48.3729
Type of gen. func.: lgdogf

$$-84 + (x + 1) f(x)$$

Sequence: A017800
Score: 6.49999
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (83 - n) a(n + 1), a(0) = 1, a(1) = 84\}$$

Sequence: A017801
Score: 29.5320
Type of gen. func.: ogf_with_Euler_transform]

$$[85 - 85 x]$$

Sequence: A017801

Score: 48.5833
Type of gen. func.: lgdogf

-85 + (x + 1) f(x)

Sequence: A017801
Score: 6.52776
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (84 - n) a(n + 1), a(0) = 1, a(1) = 85}

Sequence: A017802
Score: 26.6075
Type of gen. func.: ogf_with_Euler_transform]

[86 - 86 x]

Sequence: A017802
Score: 43.7685
Type of gen. func.: lgdogf

-86 + (x + 1) f(x)

Sequence: A017802
Score: 5.88981
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (85 - n) a(n + 1), a(0) = 1, a(1) = 86}

Sequence: A017803
Score: 26.8539
Type of gen. func.: ogf_with_Euler_transform]

[87 - 87 x]

Sequence: A017803
Score: 44.1814
Type of gen. func.: lgdogf

-87 + (x + 1) f(x)

Sequence: A017803
Score: 5.94435
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (86 - n) a(n + 1), a(0) = 1, a(1) = 87}

Sequence: A017804
Score: 26.8539
Type of gen. func.: ogf_with_Euler_transform]

[88 - 88 x]

Sequence: A017804
Score: 44.1814
Type of gen. func.: lgdogf

-88 + (x + 1) f(x)

Sequence: A017804
Score: 5.94435
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (87 - n) a(n + 1), a(0) = 1, a(1) = 88}

Sequence: A017805
Score: 26.8539
Type of gen. func.: ogf_with_Euler_transform]

[89 - 89 x]

Sequence: A017805
Score: 44.1814
Type of gen. func.: lgdogf

-89 + (x + 1) f(x)

Sequence: A017805
Score: 5.94435
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (88 - n) a(n + 1), a(0) = 1, a(1) = 89}

Sequence: A017806
Score: 26.8539
Type of gen. func.: ogf_with_Euler_transform]

[90 - 90 x]

Sequence: A017806
Score: 44.1814
Type of gen. func.: lgdogf

-90 + (x + 1) f(x)

Sequence: A017806
Score: 5.94435
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (89 - n) a(n + 1), a(0) = 1, a(1) = 90}

Sequence: A017807
Score: 27.1003
Type of gen. func.: ogf_with_Euler_transform]

[91 - 91 x]

Sequence: A017807
Score: 44.5943
Type of gen. func.: lgdogf

-91 + (x + 1) f(x)

Sequence: A017807
Score: 5.99888
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (90 - n) a(n + 1), a(0) = 1, a(1) = 91}

Sequence: A017808
Score: 27.1003
Type of gen. func.: ogf_with_Euler_transform]

[92 - 92 x]

Sequence: A017808
Score: 44.5943
Type of gen. func.: lgdogf

-92 + (x + 1) f(x)

Sequence: A017808
Score: 5.99888
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (91 - n) a(n + 1), a(0) = 1, a(1) = 92}

Sequence: A017809
Score: 27.2234
Type of gen. func.: ogf_with_Euler_transform]

[93 - 93 x]

Sequence: A017809
Score: 44.8007
Type of gen. func.: lgdogf

-93 + (x + 1) f(x)

Sequence: A017809
Score: 6.02615
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (92 - n) a(n + 1), a(0) = 1, a(1) = 93}

Sequence: A017810
Score: 27.4698
Type of gen. func.: ogf_with_Euler_transform]

[94 - 94 x]

Sequence: A017810
Score: 45.2136
Type of gen. func.: lgdogf

-94 + (x + 1) f(x)

Sequence: A017810
Score: 6.08069
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (93 - n) a(n + 1), a(0) = 1, a(1) = 94}

Sequence: A017811
Score: 40.6768
Type of gen. func.: lgdogf

-95 + (x + 1) f(x)

Sequence: A017811
Score: 5.47932
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (94 - n) a(n + 1), a(0) = 1, a(1) = 95}

Sequence: A017812
Score: 27.7162
Type of gen. func.: ogf_with_Euler_transform]

[96 - 96 x]

Sequence: A017812
Score: 45.6266
Type of gen. func.: lgdogf

-96 + (x + 1) f(x)

Sequence: A017812
Score: 6.13522
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (95 - n) a(n + 1), a(0) = 1, a(1) = 96}

Sequence: A017813
Score: 27.7162
Type of gen. func.: ogf_with_Euler_transform]

[97 - 97 x]

Sequence: A017813
Score: 45.6266
Type of gen. func.: lgdogf

-97 + (x + 1) f(x)

Sequence: A017813
Score: 6.13522
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (96 - n) a(n + 1), a(0) = 1, a(1) = 97}

Sequence: A017814
Score: 27.9626
Type of gen. func.: ogf_with_Euler_transform]

[98 - 98 x]

Sequence: A017814
Score: 46.0395
Type of gen. func.: lgdogf

-98 + (x + 1) f(x)

Sequence: A017814
Score: 6.18975
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (97 - n) a(n + 1), a(0) = 1, a(1) = 98}

Sequence: A017815
Score: 28.0857
Type of gen. func.: ogf_with_Euler_transform]

[99 - 99 x]

Sequence: A017815
Score: 46.2459
Type of gen. func.: lgdogf

-99 + (x + 1) f(x)

Sequence: A017815
Score: 6.21702
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (98 - n) a(n + 1), a(0) = 1, a(1) = 99}

Sequence: A017816
Score: 26.0655
Type of gen. func.: ogf_with_Euler_transform]

[100 - 100 x]

Sequence: A017816
Score: 43.5482
Type of gen. func.: lgdogf

-100 + (x + 1) f(x)

Sequence: A017816
Score: 6.21294
Type of gen. func.: ogf

$$\{(-2 - n)\, a(n + 2) + (99 - n)\, a(n + 1),\ a(0) = 1,\ a(1) = 100\}$$

Sequence: A017817
Score: 10.3767
Type of gen. func.: ogf

$$(7 f(x) - 6) (f(x) x^{4} + f(x) x^{3} - f(x) + 1)$$

Sequence: A017817
Score: 22.7165
Type of gen. func.: ogf

$$-\frac{1}{x^{4} + x^{3} - 1}$$

Sequence: A017817
Score: 33.4580
Type of gen. func.: lgdogf

$$-\frac{x^{2} (4 x + 3)}{x^{4} + x^{3} - 1}$$

Sequence: A017818
Score: 16.2484
Type of gen. func.: ogf

$$-\frac{1}{(x^{2} + 1) (x^{3} + x^{2} - 1)}$$

Sequence: A017818
Score: 17.3296
Type of gen. func.: lgdogf

$$-\frac{x^{2} (5 x^{2} + 4 x + 3)}{}$$

$$(x^2 + 1) (x^3 + x^2 - 1)$$

Sequence: A017818
Score: 6.72913
Type of gen. func.: ogf

$$(f(x) - 2) (f(x) x^5 + f(x) x^4 + f(x) x^3 - f(x) + 1)$$

Sequence: A017819
Score: 20.5825
Type of gen. func.: ogf

$$- \frac{1}{(x^2 + x + 1) (x^4 + x - 1)}$$

Sequence: A017819
Score: 24.6095
Type of gen. func.: lgdogf

$$- \frac{x^2 (6 x^3 + 5 x^2 + 4 x + 3)}{(x^2 + x + 1) (x^4 + x - 1)}$$

Sequence: A017820
Score: 16.8575
Type of gen. func.: ogf

$$- \frac{1}{x^7 + x^6 + x^5 + x^4 + x^3 - 1}$$

Sequence: A017820
Score: 18.5521
Type of gen. func.: lgdogf

```
         2     4      3      2
        x  (7 x  + 6 x  + 5 x  + 4 x + 3)
      - ---------------------------------
             7    6    5    4    3
```

$$x + x + x + x + x - 1$$

Sequence: A017821
Score: 9.04174
Type of gen. func.: ogf

$$-\frac{1}{x^8 + x^7 + x^6 + x^5 + x^4 + x^3 - 1}$$

Sequence: A017821
Score: 9.48389
Type of gen. func.: lgdogf

$$-\frac{x^2 (8 x^5 + 7 x^4 + 6 x^3 + 5 x^2 + 4 x + 3)}{x^8 + x^7 + x^6 + x^5 + x^4 + x^3 - 1}$$

Sequence: A017822
Score: 7.99846
Type of gen. func.: lgdogf

$$-\frac{x^2 (9 x^6 + 8 x^5 + 7 x^4 + 6 x^3 + 5 x^2 + 4 x + 3)}{(x^2 + x + 1) (x^5 - x^3 + x^2 + x - 1) (x^2 + 1)}$$

Sequence: A017822
Score: 8.19879
Type of gen. func.: ogf

$$-\frac{1}{(x^2 + x + 1) (x^5 - x^3 + x^2 + x - 1) (x^2 + 1)}$$

Sequence: A017823
Score: 7.25640
Type of gen. func.: lgdogf

$$x^2 (10 x^7 + 9 x^6 + 8 x^5 + 7 x^4 + 6 x^3 + 5 x^2 + 4 x + 3)$$

```
      - -----------------------------------------------------------
                 10    9    8    7    6    5    4    3
                x   + x  + x  + x  + x  + x  + x  + x  - 1
```

Sequence: A017823
Score: 7.42714
Type of gen. func.: ogf

$$-\frac{1}{x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}-1}$$

Sequence: A017824
Score: 6.41435
Type of gen. func.: lgdogf

$$-\frac{x^{2}\,(11\,x^{8}+10\,x^{7}+9\,x^{6}+8\,x^{5}+7\,x^{4}+6\,x^{3}+5\,x^{2}+4\,x+3)}{x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}-1}$$

Sequence: A017824
Score: 6.76261
Type of gen. func.: ogf

$$-\frac{1}{x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}-1}$$

Sequence: A017825
Score: 6.17738
Type of gen. func.: ogf

$$-\frac{1}{(x^{2}+x+1)\,(x^{10}+x^{7}+x^{4}+x-1)}$$

Sequence: A017825
Score: 6.90240
Type of gen. func.: lgdogf

```
     2      9       8       7      6      5      4      3      2
```

$$-\frac{x\ (12 x + 11 x + 10 x + 9 x + 8 x + 7 x + 6 x + 5 x + 4 x + 3)}{(x^{2} + x + 1)\ (x^{10} + x^{7} + x^{4} + x - 1)}$$

Sequence: A017826
Score: 5.68538
Type of gen. func.: ogf

$$-\frac{1}{(x^{2} + 1)\ (x^{11} + x^{10} + x^{7} + x^{6} + x^{3} + x^{2} - 1)}$$

Sequence: A017826
Score: 5.82588
Type of gen. func.: lgdogf

$$-x^{2}\ (13 x^{10} + 12 x^{9} + 11 x^{8} + 10 x^{7} + 9 x^{6} + 8 x^{5} + 7 x^{4} + 6 x^{3} + 5 x^{2} + 4 x + 3) / ((x^{2} + 1)\ (x^{11} + x^{10} + x^{7} + x^{6} + x^{3} + x^{2} - 1))$$

Sequence: A017827
Score: 25.0793
Type of gen. func.: ogf

$$-\frac{1}{x^{5} + x^{4} - 1}$$

Sequence: A017827
Score: 33.4374
Type of gen. func.: lgdogf

$$-\frac{x^{3}\ (5 x + 4)}{x^{5} + x^{4} - 1}$$

Sequence: A017828
Score: 15.3686
Type of gen. func.: lgdogf

$$-\frac{x^{3}\,(6\,x^{2}+5\,x+4)}{(x+1)\,(x^{5}+x^{3}-x^{2}+x-1)}$$

Sequence: A017828
Score: 15.7435
Type of gen. func.: ogf

$$-\frac{1}{(x+1)\,(x^{5}+x^{3}-x^{2}+x-1)}$$

Sequence: A017829
Score: 13.1219
Type of gen. func.: ogf

$$-\frac{1}{x^{7}+x^{6}+x^{5}+x^{4}-1}$$

Sequence: A017829
Score: 14.2028
Type of gen. func.: lgdogf

$$-\frac{x^{3}\,(7\,x^{3}+6\,x^{2}+5\,x+4)}{x^{7}+x^{6}+x^{5}+x^{4}-1}$$

Sequence: A017830
Score: 11.2844
Type of gen. func.: ogf

$$-\frac{1}{(x+1)\,(x^{2}+1)\,(x^{2}-x+1)\,(x^{3}+x^{2}-1)}$$

Sequence: A017830
Score: 9.68762
Type of gen. func.: lgdogf

$$-\frac{x^3 (8 x^4 + 7 x^3 + 6 x^2 + 5 x + 4)}{(x + 1) (x^2 + 1) (x^2 - x + 1) (x^3 + x^2 - 1)}$$

Sequence: A017831
Score: 10.1312
Type of gen. func.: lgdogf

$$-\frac{x^3 (9 x^5 + 8 x^4 + 7 x^3 + 6 x^2 + 5 x + 4)}{x^9 + x^8 + x^7 + x^6 + x^5 + x^4 - 1}$$

Sequence: A017831
Score: 10.1901
Type of gen. func.: ogf

$$-\frac{1}{x^9 + x^8 + x^7 + x^6 + x^5 + x^4 - 1}$$

Sequence: A017832
Score: 8.52692
Type of gen. func.: lgdogf

$$-\frac{x^3 (10 x^6 + 9 x^5 + 8 x^4 + 7 x^3 + 6 x^2 + 5 x + 4)}{(x + 1) (x^9 + x^7 + x^5 + x^3 - x^2 + x - 1)}$$

Sequence: A017832
Score: 8.69359
Type of gen. func.: ogf

$$-\frac{1}{(x + 1) (x^9 + x^7 + x^5 + x^3 - x^2 + x - 1)}$$

Sequence: A017833
Score: 7.27115
Type of gen. func.: lgdogf

$$-\frac{x^3\,(11\,x^7+10\,x^6+9\,x^5+8\,x^4+7\,x^3+6\,x^2+5\,x+4)}{x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4-1}$$

Sequence: A017833
Score: 7.84264
Type of gen. func.: ogf

$$-\frac{1}{x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4-1}$$

Sequence: A017834
Score: 6.82800
Type of gen. func.: ogf

$$-\frac{1}{(x+1)\,(x^2+1)\,(x^9+x^5+x-1)}$$

Sequence: A017834
Score: 7.34578
Type of gen. func.: lgdogf

$$-\frac{x^3\,(12\,x^8+11\,x^7+10\,x^6+9\,x^5+8\,x^4+7\,x^3+6\,x^2+5\,x+4)}{(x+1)\,(x^2+1)\,(x^9+x^5+x-1)}$$

Sequence: A017835
Score: 5.59256
Type of gen. func.: lgdogf

$$-\frac{x^3\,(13\,x^9+12\,x^8+11\,x^7+10\,x^6+9\,x^5+8\,x^4+7\,x^3+6\,x^2+5\,x+4)}{x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4-1}$$

Sequence: A017835
Score: 6.29450
Type of gen. func.: ogf

$$-\frac{1}{x^{13}+x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}-1}$$

Sequence: A017836
Score: 5.35559
Type of gen. func.: lgdogf

$$-x^{3}\,(14x^{10}+13x^{9}+12x^{8}+11x^{7}+10x^{6}+9x^{5}+8x^{4}+7x^{3}+6x^{2}+5x+4)\Big/\left((x+1)(x^{2}-x+1)(x^{11}+x^{10}+x^{9}+x^{5}+x^{4}+x^{3}-1)\right)$$

Sequence: A017836
Score: 5.77949
Type of gen. func.: ogf

$$-\frac{1}{(x+1)(x^{2}-x+1)(x^{11}+x^{10}+x^{9}+x^{5}+x^{4}+x^{3}-1)}$$

Sequence: A017837
Score: 17.6240
Type of gen. func.: ogf

$$-\frac{1}{x^{6}+x^{5}-1}$$

Sequence: A017837
Score: 27.0740
Type of gen. func.: lgdogf

$$-\frac{x^{4}\,(6x+5)}{\qquad}$$

$$x^6 + x^5 - 1$$

Sequence: A017838
Score: 15.8586
Type of gen. func.: ogf

$$-\frac{1}{x^7 + x^6 + x^5 - 1}$$

Sequence: A017838
Score: 18.8052
Type of gen. func.: lgdogf

$$-\frac{x^4 (7 x^2 + 6 x + 5)}{x^7 + x^6 + x^5 - 1}$$

Sequence: A017839
Score: 12.1664
Type of gen. func.: ogf

$$-\frac{1}{x^8 + x^7 + x^6 + x^5 - 1}$$

Sequence: A017839
Score: 14.4167
Type of gen. func.: lgdogf

$$-\frac{x^4 (8 x^3 + 7 x^2 + 6 x + 5)}{x^8 + x^7 + x^6 + x^5 - 1}$$

Sequence: A017840
Score: 11.5988
Type of gen. func.: ogf

$$1$$

$$-\frac{}{x^{9}+x^{8}+x^{7}+x^{6}+x^{5}-1}$$

Sequence: A017840
Score: 12.0206
Type of gen. func.: lgdogf

$$-\frac{x^{4}\left(9x^{4}+8x^{3}+7x^{2}+6x+5\right)}{x^{9}+x^{8}+x^{7}+x^{6}+x^{5}-1}$$

Sequence: A017841
Score: 10.1187
Type of gen. func.: lgdogf

$$-\frac{x^{4}\left(10x^{5}+9x^{4}+8x^{3}+7x^{2}+6x+5\right)}{\left(x^{4}+x^{3}+x^{2}+x+1\right)\left(x^{6}+x-1\right)}$$

Sequence: A017841
Score: 9.39597
Type of gen. func.: ogf

$$-\frac{1}{\left(x^{4}+x^{3}+x^{2}+x+1\right)\left(x^{6}+x-1\right)}$$

Sequence: A017842
Score: 8.18342
Type of gen. func.: ogf

$$-\frac{1}{\left(x^{7}+x^{6}+x^{5}+x^{4}-1\right)\left(x^{4}+1\right)}$$

Sequence: A017842
Score: 8.97903
Type of gen. func.: lgdogf

$$-\frac{x^4 (11 x^6 + 10 x^5 + 9 x^4 + 8 x^3 + 7 x^2 + 6 x + 5)}{(x^7 + x^6 + x^5 + x^4 - 1) (x^4 + 1)}$$

Sequence: A017843
Score: 6.89642
Type of gen. func.: lgdogf

$$-\frac{x^4 (12 x^7 + 11 x^6 + 10 x^5 + 9 x^4 + 8 x^3 + 7 x^2 + 6 x + 5)}{x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 - 1}$$

Sequence: A017843
Score: 7.13152
Type of gen. func.: ogf

$$-\frac{1}{x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 - 1}$$

Sequence: A017844
Score: 6.13034
Type of gen. func.: lgdogf

$$-\frac{x^4 (13 x^8 + 12 x^7 + 11 x^6 + 10 x^5 + 9 x^4 + 8 x^3 + 7 x^2 + 6 x + 5)}{x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 - 1}$$

Sequence: A017844
Score: 6.50954
Type of gen. func.: ogf

$$-\frac{1}{x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 - 1}$$

Sequence: A017845
Score: 5.52413
Type of gen. func.: lgdogf

$$-\frac{x^{4}\left(14x^{9}+13x^{8}+12x^{7}+11x^{6}+10x^{5}+9x^{4}+8x^{3}+7x^{2}+6x+5\right)}{x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}-1}$$

Sequence: A017845
Score: 5.99316
Type of gen. func.: ogf

$$-\frac{1}{x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}-1}$$

Sequence: A017846
Score: 5.55761
Type of gen. func.: ogf

$$-\frac{1}{\left(x^{4}+x^{3}+x^{2}+x+1\right)\left(x^{11}+x^{6}+x-1\right)}$$

Sequence: A017846
Score: 6.02948
Type of gen. func.: lgdogf

$$-x^{4}\left(15x^{10}+14x^{9}+13x^{8}+12x^{7}+11x^{6}+10x^{5}+9x^{4}+8x^{3}+7x^{2}+6x+5\right)\Big/\left(\left(x^{4}+x^{3}+x^{2}+x+1\right)\left(x^{11}+x^{6}+x-1\right)\right)$$

Sequence: A017847
Score: 19.6219
Type of gen. func.: ogf

$$-\frac{1}{x^{7}+x^{6}-1}$$

Sequence: A017847

Score: 27.7510
Type of gen. func.: lgdogf

$$-\frac{x^5 (7 x + 6)}{x^7 + x^6 - 1}$$

Sequence: A017848
Score: 13.4807
Type of gen. func.: lgdogf

$$-\frac{x^5 (8 x^2 + 7 x + 6)}{(x + 1) (x^7 + x^5 - x^4 + x^3 - x^2 + x - 1)}$$

Sequence: A017848
Score: 15.9447
Type of gen. func.: ogf

$$-\frac{1}{(x + 1) (x^7 + x^5 - x^4 + x^3 - x^2 + x - 1)}$$

Sequence: A017849
Score: 12.6573
Type of gen. func.: lgdogf

$$-\frac{x^5 (9 x^3 + 8 x^2 + 7 x + 6)}{(x^2 + x + 1) (x^7 + x^4 - x^3 + x - 1)}$$

Sequence: A017849
Score: 13.1881
Type of gen. func.: ogf

$$-\frac{1}{(x^2 + x + 1) (x^7 + x^4 - x^3 + x - 1)}$$

Sequence: A017850
Score: 11.2948
Type of gen. func.: ogf

$$-\frac{1}{(x+1)(x^9+x^7+x^5-x^4+x^3-x^2+x-1)}$$

Sequence: A017850
Score: 9.89610
Type of gen. func.: lgdogf

$$-\frac{x^5(10x^4+9x^3+8x^2+7x+6)}{(x+1)(x^9+x^7+x^5-x^4+x^3-x^2+x-1)}$$

Sequence: A017851
Score: 9.17427
Type of gen. func.: lgdogf

$$-\frac{x^5(11x^5+10x^4+9x^3+8x^2+7x+6)}{x^{11}+x^{10}+x^9+x^8+x^7+x^6-1}$$

Sequence: A017851
Score: 9.38945
Type of gen. func.: ogf

$$-\frac{1}{x^{11}+x^{10}+x^9+x^8+x^7+x^6-1}$$

Sequence: A017852
Score: 8.00928
Type of gen. func.: lgdogf

$$-\frac{x^5(12x^6+11x^5+10x^4+9x^3+8x^2+7x+6)}{(x+1)(x^2+x+1)(x^2-x+1)(x^7+x-1)}$$

Sequence: A017852
Score: 8.48447
Type of gen. func.: ogf

$$-\frac{1}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^7 + x - 1)}$$

Sequence: A017853
Score: 7.14494
Type of gen. func.: lgdogf

$$-\frac{x^5 (13 x^7 + 12 x^6 + 11 x^5 + 10 x^4 + 9 x^3 + 8 x^2 + 7 x + 6)}{x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 - 1}$$

Sequence: A017853
Score: 7.77114
Type of gen. func.: ogf

$$-\frac{1}{x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 - 1}$$

Sequence: A017854
Score: 6.24683
Type of gen. func.: lgdogf

$$-\frac{x^5 (14 x^8 + 13 x^7 + 12 x^6 + 11 x^5 + 10 x^4 + 9 x^3 + 8 x^2 + 7 x + 6)}{(x + 1) (x^4 - x^3 + x^2 - x + 1) (x^9 + x^8 + x^7 + x^6 + x^5 - 1)}$$

Sequence: A017854
Score: 7.06893
Type of gen. func.: ogf

$$-\frac{1}{(x + 1) (x^4 - x^3 + x^2 - x + 1) (x^9 + x^8 + x^7 + x^6 + x^5 - 1)}$$

Sequence: A017855
Score: 6.24419
Type of gen. func.: lgdogf

$$-x^{5} \left(15 x^{9} + 14 x^{8} + 13 x^{7} + 12 x^{6} + 11 x^{5} + 10 x^{4} + 9 x^{3} + 8 x^{2} + 7 x + 6\right) \Big/ \left(\left(x^{2} + x + 1\right) \left(x^{13} + x^{10} + x^{7} + x^{4} - x^{3} + x - 1\right)\right)$$

Sequence: A017855
Score: 6.26683
Type of gen. func.: ogf

$$-\frac{1}{\left(x^{2} + x + 1\right) \left(x^{13} + x^{10} + x^{7} + x^{4} - x^{3} + x - 1\right)}$$

Sequence: A017856
Score: 5.22646
Type of gen. func.: lgdogf

$$-x^{5} \left(16 x^{10} + 15 x^{9} + 14 x^{8} + 13 x^{7} + 12 x^{6} + 11 x^{5} + 10 x^{4} + 9 x^{3} + 8 x^{2} + 7 x + 6\right) \Big/ \left(\left(x + 1\right) \left(x^{15} + x^{13} + x^{11} + x^{9} + x^{7} + x^{5} - x^{4} + x^{3} - x^{2} + x - 1\right)\right)$$

Sequence: A017856
Score: 5.79817
Type of gen. func.: ogf

$$-\frac{1}{\left(x + 1\right) \left(x^{15} + x^{13} + x^{11} + x^{9} + x^{7} + x^{5} - x^{4} + x^{3} - x^{2} + x - 1\right)}$$

Sequence: A017857
Score: 16.9355
Type of gen. func.: ogf

$$-\frac{1}{x^8 + x^7 - 1}$$

Sequence: A017857
Score: 27.9632
Type of gen. func.: lgdogf

$$-\frac{x^6 (7 + 8 x)}{x^8 + x^7 - 1}$$

Sequence: A017858
Score: 14.8038
Type of gen. func.: lgdogf

$$-\frac{x^6 (9 x^2 + 8 x + 7)}{(x^2 + 1) (x^7 + x^6 - x^4 + x^2 - 1)}$$

Sequence: A017858
Score: 15.8039
Type of gen. func.: ogf

$$-\frac{1}{(x^2 + 1) (x^7 + x^6 - x^4 + x^2 - 1)}$$

Sequence: A017859
Score: 12.1813
Type of gen. func.: ogf

$$-\frac{1}{x^{10} + x^9 + x^8 + x^7 - 1}$$

Sequence: A017859
Score: 14.4275
Type of gen. func.: lgdogf

$$-\frac{x^6\,(10\,x^3+9\,x^2+8\,x+7)}{x^{10}+x^9+x^8+x^7-1}$$

Sequence: A017860
Score: 11.1209
Type of gen. func.: ogf

$$-\frac{1}{x^{11}+x^{10}+x^9+x^8+x^7-1}$$

Sequence: A017860
Score: 11.3938
Type of gen. func.: lgdogf

$$-\frac{x^6\,(11\,x^4+10\,x^3+9\,x^2+8\,x+7)}{x^{11}+x^{10}+x^9+x^8+x^7-1}$$

Sequence: A017861
Score: 8.86440
Type of gen. func.: ogf

$$-\frac{1}{x^{12}+x^{11}+x^{10}+x^9+x^8+x^7-1}$$

Sequence: A017861
Score: 9.15780
Type of gen. func.: lgdogf

$$-\frac{x^6\,(12\,x^5+11\,x^4+10\,x^3+9\,x^2+8\,x+7)}{x^{12}+x^{11}+x^{10}+x^9+x^8+x^7-1}$$

Sequence: A017862

Score: 7.88298
Type of gen. func.: lgdogf

$$-\frac{x^6\,(13\,x^6+12\,x^5+11\,x^4+10\,x^3+9\,x^2+8\,x+7)}{(x^2+1)\,(x^{11}+x^{10}+x^7+x^6-x^4+x^2-1)}$$

Sequence: A017862
Score: 8.49601
Type of gen. func.: ogf

$$-\frac{1}{(x^2+1)\,(x^{11}+x^{10}+x^7+x^6-x^4+x^2-1)}$$

Sequence: A017863
Score: 7.44610
Type of gen. func.: ogf

$$-\frac{1}{(x^6+x^5+x^4+x^3+x^2+x+1)\,(x^8+x-1)}$$

Sequence: A017863
Score: 7.61940
Type of gen. func.: lgdogf

$$-\frac{x^6\,(14\,x^7+13\,x^6+12\,x^5+11\,x^4+10\,x^3+9\,x^2+8\,x+7)}{(x^6+x^5+x^4+x^3+x^2+x+1)\,(x^8+x-1)}$$

Sequence: A017864
Score: 6.33763
Type of gen. func.: lgdogf

$$-\frac{x^6\,(15\,x^8+14\,x^7+13\,x^6+12\,x^5+11\,x^4+10\,x^3+9\,x^2+8\,x+7)}{x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7-1}$$

Sequence: A017864
Score: 6.76918
Type of gen. func.: ogf

$$-\frac{1}{x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7-1}$$

Sequence: A017865
Score: 5.57175
Type of gen. func.: lgdogf

$$-x^6\,(16x^9+15x^8+14x^7+13x^6+12x^5+11x^4+10x^3+9x^2+8x+7)\Big/(x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7-1)$$

Sequence: A017865
Score: 6.06572
Type of gen. func.: ogf

$$-\frac{1}{x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7-1}$$

Sequence: A017866
Score: 5.30431
Type of gen. func.: lgdogf

$$-x^6\,(17x^{10}+16x^9+15x^8+14x^7+13x^6+12x^5+11x^4+10x^3+9x^2+8x+7)\Big/\left((x^2+1)(x^{11}+x^{10}+x^9+x^8+x^7+x^6-1)(x^4-x^2+1)\right)$$

Sequence: A017866
Score: 5.59913
Type of gen. func.: ogf

```
                                        1
          - -----------------------------------------------------------
               2        11     10     9     8     7     6        4     2
```

$$(x + 1) (x + x + x + x + x + x - 1) (x - x + 1)$$

Sequence: A017867
Score: 17.8684
Type of gen. func.: ogf

$$-\frac{1}{x^9 + x^8 - 1}$$

Sequence: A017867
Score: 27.7182
Type of gen. func.: lgdogf

$$-\frac{x^7 (9 x + 8)}{x^9 + x^8 - 1}$$

Sequence: A017868
Score: 11.6741
Type of gen. func.: lgdogf

$$-\frac{x^7 (10 x^2 + 9 x + 8)}{(x + 1) (x^9 + x^7 - x^6 + x^5 - x^4 + x^3 - x^2 + x - 1)}$$

Sequence: A017868
Score: 15.2067
Type of gen. func.: ogf

$$-\frac{1}{(x + 1) (x^9 + x^7 - x^6 + x^5 - x^4 + x^3 - x^2 + x - 1)}$$

Sequence: A017869
Score: 12.5239
Type of gen. func.: ogf

$$-\frac{1}{\quad}$$

$$x^{11} + x^{10} + x^9 + x^8 - 1$$

Sequence: A017869
Score: 13.7035
Type of gen. func.: lgdogf

$$-\frac{x^7 (11 x^3 + 10 x^2 + 9 x + 8)}{x^{11} + x^{10} + x^9 + x^8 - 1}$$

Sequence: A017870
Score: 10.1199
Type of gen. func.: lgdogf

$$-\frac{x^7 (12 x^4 + 11 x^3 + 10 x^2 + 9 x + 8)}{(x + 1) (x^2 + 1) (x^9 + x^5 - x^4 + x - 1)}$$

Sequence: A017870
Score: 9.89733
Type of gen. func.: ogf

$$-\frac{1}{(x + 1) (x^2 + 1) (x^9 + x^5 - x^4 + x - 1)}$$

Sequence: A017871
Score: 9.13840
Type of gen. func.: lgdogf

$$-\frac{x^7 (13 x^5 + 12 x^4 + 11 x^3 + 10 x^2 + 9 x + 8)}{x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 - 1}$$

Sequence: A017871
Score: 9.37519
Type of gen. func.: ogf

$$-\frac{1}{x^{13}+x^{12}+x^{11}+x^{10}+x^{9}+x^{8}-1}$$

Sequence: A017872
Score: 6.96071
Type of gen. func.: lgdogf

$$-\frac{x^{7}\,(14\,x^{6}+13\,x^{5}+12\,x^{4}+11\,x^{3}+10\,x^{2}+9\,x+8)}{(x+1)\,(x^{13}+x^{11}+x^{9}+x^{7}-x^{6}+x^{5}-x^{4}+x^{3}-x^{2}+x-1)}$$

Sequence: A017872
Score: 8.44894
Type of gen. func.: ogf

$$-\frac{1}{(x+1)\,(x^{13}+x^{11}+x^{9}+x^{7}-x^{6}+x^{5}-x^{4}+x^{3}-x^{2}+x-1)}$$

Sequence: A017873
Score: 6.84724
Type of gen. func.: lgdogf

$$-\frac{x^{7}\,(15\,x^{7}+14\,x^{6}+13\,x^{5}+12\,x^{4}+11\,x^{3}+10\,x^{2}+9\,x+8)}{x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^{9}+x^{8}-1}$$

Sequence: A017873
Score: 7.49548
Type of gen. func.: ogf

$$-\frac{1}{x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^{9}+x^{8}-1}$$

Sequence: A017874
Score: 6.72062
Type of gen. func.: ogf

$$-\frac{1}{(x+1)\,(x^{2}+1)\,(x^{9}+x-1)\,(x^{4}+1)}$$

Sequence: A017874
Score: 7.06669
Type of gen. func.: lgdogf

$$-\frac{x^{7}\,(16\,x^{8}+15\,x^{7}+14\,x^{6}+13\,x^{5}+12\,x^{4}+11\,x^{3}+10\,x^{2}+9\,x+8)}{(x+1)\,(x^{2}+1)\,(x^{9}+x-1)\,(x^{4}+1)}$$

Sequence: A017875
Score: 5.30765
Type of gen. func.: lgdogf

$$-x^{7}\,(17\,x^{9}+16\,x^{8}+15\,x^{7}+14\,x^{6}+13\,x^{5}+12\,x^{4}+11\,x^{3}+10\,x^{2}+9\,x+8)$$

$$/\,(x^{17}+x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^{9}+x^{8}-1)$$

Sequence: A017875
Score: 6.00247
Type of gen. func.: ogf

$$-\frac{1}{x^{17}+x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^{9}+x^{8}-1}$$

Sequence: A017876
Score: 7.31298
Type of gen. func.: ogf

$$-1/((x+1)\,(x^{17}+x^{15}+x^{13}+x^{11}+x^{9}+x^{7}-x^{6}+x^{5}-x^{4}+x^{3}-x^{2}+x-1))$$

Sequence: A017877
Score: 14.8157

Type of gen. func.: ogf

$$-\frac{1}{x^{10} + x^{9} - 1}$$

Sequence: A017877
Score: 25.9844
Type of gen. func.: lgdogf

$$-\frac{x^{8} (9 + 10 x)}{x^{10} + x^{9} - 1}$$

Sequence: A017878
Score: 14.4248
Type of gen. func.: ogf

$$-\frac{1}{x^{11} + x^{10} + x^{9} - 1}$$

Sequence: A017878
Score: 17.6354
Type of gen. func.: lgdogf

$$-\frac{x^{8} (11 x^{2} + 10 x + 9)}{x^{11} + x^{10} + x^{9} - 1}$$

Sequence: A017879
Score: 10.6815
Type of gen. func.: lgdogf

$$-\frac{x^{8} (12 x^{3} + 11 x^{2} + 10 x + 9)}{(x^{10} + x^{7} - x^{6} + x^{4} - x^{3} + x - 1) (x^{2} + x + 1)}$$

Sequence: A017879
Score: 11.3936
Type of gen. func.: ogf

$$-\frac{1}{(x^{10}+x^{7}-x^{6}+x^{4}-x^{3}+x-1)\,(x^{2}+x+1)}$$

Sequence: A017880
Score: 10.4457
Type of gen. func.: ogf

$$-\frac{1}{x^{13}+x^{12}+x^{11}+x^{10}+x^{9}-1}$$

Sequence: A017880
Score: 10.6361
Type of gen. func.: lgdogf

$$-\frac{x^{8}\,(13\,x^{4}+12\,x^{3}+11\,x^{2}+10\,x+9)}{x^{13}+x^{12}+x^{11}+x^{10}+x^{9}-1}$$

Sequence: A017881
Score: 8.79730
Type of gen. func.: ogf

$$-\frac{1}{x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^{9}-1}$$

Sequence: A017881
Score: 9.06214
Type of gen. func.: lgdogf

$$-\frac{x^{8}\,(14\,x^{5}+13\,x^{4}+12\,x^{3}+11\,x^{2}+10\,x+9)}{x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^{9}-1}$$

Sequence: A017882
Score: 7.47549
Type of gen. func.: lgdogf

$$-\frac{x^8 (15 x^6 + 14 x^5 + 13 x^4 + 12 x^3 + 11 x^2 + 10 x + 9)}{(x^2 + x + 1) (x^{13} + x^{10} + x^7 - x^6 + x^4 - x^3 + x - 1)}$$

Sequence: A017882
Score: 8.20670
Type of gen. func.: ogf

$$-\frac{1}{(x^2 + x + 1) (x^{13} + x^{10} + x^7 - x^6 + x^4 - x^3 + x - 1)}$$

Sequence: A017883
Score: 6.68537
Type of gen. func.: lgdogf

$$-\frac{x^8 (16 x^7 + 15 x^6 + 14 x^5 + 13 x^4 + 12 x^3 + 11 x^2 + 10 x + 9)}{x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 - 1}$$

Sequence: A017883
Score: 6.97337
Type of gen. func.: ogf

$$-\frac{1}{x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 - 1}$$

Sequence: A017884
Score: 6.07237
Type of gen. func.: lgdogf

$$-\frac{x^8 (17 x^8 + 16 x^7 + 15 x^6 + 14 x^5 + 13 x^4 + 12 x^3 + 11 x^2 + 10 x + 9)}{x^{17} + x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 - 1}$$

Sequence: A017884
Score: 6.78135
Type of gen. func.: ogf

$$-\frac{1}{x^{17}+x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^{9}-1}$$

Sequence: A017885
Score: 5.88080
Type of gen. func.: ogf

$$-\frac{1}{(x^{2}+x+1)\,(x^{6}+x^{3}+1)\,(x^{10}+x-1)}$$

Sequence: A017885
Score: 6.50059
Type of gen. func.: lgdogf

$$-x^{8}\,(18\,x^{9}+17\,x^{8}+16\,x^{7}+15\,x^{6}+14\,x^{5}+13\,x^{4}+12\,x^{3}+11\,x^{2}+10\,x+9)\Big/\left((x^{2}+x+1)\,(x^{6}+x^{3}+1)\,(x^{10}+x-1)\right)$$

Sequence: A017886
Score: 5.50398
Type of gen. func.: ogf

$$-\frac{1}{x^{19}+x^{18}+x^{17}+x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^{9}-1}$$

Sequence: A017887
Score: 15.6841
Type of gen. func.: ogf

$$-\frac{1}{x^{11}+x^{10}-1}$$

Sequence: A017887
Score: 24.6379
Type of gen. func.: lgdogf

$$-\frac{x^{9}\,(11\,x+10)}{x^{11}+x^{10}-1}$$

Sequence: A017888
Score: 13.6145
Type of gen. func.: ogf

$$-\frac{1}{(x+1)\,(x^{11}+x^{9}-x^{8}+x^{7}-x^{6}+x^{5}-x^{4}+x^{3}-x^{2}+x-1)}$$

Sequence: A017888
Score: 9.83224
Type of gen. func.: lgdogf

$$-\frac{x^{9}\,(12\,x^{2}+11\,x+10)}{(x+1)\,(x^{11}+x^{9}-x^{8}+x^{7}-x^{6}+x^{5}-x^{4}+x^{3}-x^{2}+x-1)}$$

Sequence: A017889
Score: 11.6568
Type of gen. func.: ogf

$$-\frac{1}{x^{13}+x^{12}+x^{11}+x^{10}-1}$$

Sequence: A017889
Score: 12.7595
Type of gen. func.: lgdogf

$$-\frac{x^{9}\,(13\,x^{3}+12\,x^{2}+11\,x+10)}{{}^{13}\quad{}^{12}\quad{}^{11}\quad{}^{10}}$$

$$x + x + x + x - 1$$

Sequence: A017890
Score: 10.3301
Type of gen. func.: ogf

$$-\frac{1}{(x+1)(x^2-x+1)(x^{11}+x^{10}+x^9-x^6+x^3-1)}$$

Sequence: A017890
Score: 8.91189
Type of gen. func.: lgdogf

$$-\frac{x^9(14x^4+13x^3+12x^2+11x+10)}{(x+1)(x^2-x+1)(x^{11}+x^{10}+x^9-x^6+x^3-1)}$$

Sequence: A017891
Score: 8.48192
Type of gen. func.: lgdogf

$$-\frac{x^9(15x^5+14x^4+13x^3+12x^2+11x+10)}{(x^4+x^3+x^2+x+1)(x^{11}+x^6-x^5+x-1)}$$

Sequence: A017891
Score: 8.91654
Type of gen. func.: ogf

$$-\frac{1}{(x^4+x^3+x^2+x+1)(x^{11}+x^6-x^5+x-1)}$$

Sequence: A017892
Score: 6.20437
Type of gen. func.: lgdogf

$$x^9(16x^6+15x^5+14x^4+13x^3+12x^2+11x+10)$$

$$-\frac{}{(x+1)\left(x^{15}+x^{13}+x^{11}+x^{9}-x^{8}+x^{7}-x^{6}+x^{5}-x^{4}+x^{3}-x^{2}+x-1\right)}$$

Sequence: A017892
Score: 7.58554
Type of gen. func.: ogf

$$-\frac{1}{(x+1)\left(x^{15}+x^{13}+x^{11}+x^{9}-x^{8}+x^{7}-x^{6}+x^{5}-x^{4}+x^{3}-x^{2}+x-1\right)}$$

Sequence: A017893
Score: 6.71578
Type of gen. func.: lgdogf

$$-\frac{x^{9}\left(17x^{7}+16x^{6}+15x^{5}+14x^{4}+13x^{3}+12x^{2}+11x+10\right)}{x^{17}+x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}-1}$$

Sequence: A017893
Score: 7.29794
Type of gen. func.: ogf

$$-\frac{1}{x^{17}+x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}-1}$$

Sequence: A017894
Score: 5.43800
Type of gen. func.: lgdogf

$$-x^{9}\left(18x^{8}+17x^{7}+16x^{6}+15x^{5}+14x^{4}+13x^{3}+12x^{2}+11x+10\right)\Big/\Big((x+1)\left(x^{17}+x^{15}+x^{13}+x^{11}+x^{9}-x^{8}+x^{7}-x^{6}+x^{5}-x^{4}+x^{3}-x^{2}+x-1\right)\Big)$$

Sequence: A017894
Score: 6.79552

Type of gen. func.: ogf

$$-1/((x+1)\,(x^{17}+x^{15}+x^{13}+x^{11}+x^{9}-x^{8}+x^{7}-x^{6}+x^{5}-x^{4}+x^{3}-x^{2}+x-1))$$

Sequence: A017895
Score: 5.50279
Type of gen. func.: lgdogf

$$-x^{9}\,(19x^{9}+18x^{8}+17x^{7}+16x^{6}+15x^{5}+14x^{4}+13x^{3}+12x^{2}+11x+10)\Big/(x^{19}+x^{18}+x^{17}+x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}-1)$$

Sequence: A017895
Score: 6.23717
Type of gen. func.: ogf

$$-\frac{1}{x^{19}+x^{18}+x^{17}+x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}-1}$$

Sequence: A017896
Score: 6.83736
Type of gen. func.: ogf

$$-1/((x+1)\,(x^{2}-x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{4}-x^{3}+x^{2}-x+1)\,(x^{9}+x^{8}-x^{6}-x^{5}+x^{3}+x^{2}-1))$$

Sequence: A017897
Score: 15.3967
Type of gen. func.: lgdogf

$$-\frac{405x^{2}-174x+17}{(3x-1)\,(9x-1)\,(5x-1)}$$

Sequence: A017897
Score: 16.4400
Type of gen. func.: ogf

$$-\frac{1}{(3 x - 1) (9 x - 1) (5 x - 1)}$$

Sequence: A017897
Score: 5.66419
Type of gen. func.: ogf

{a(n + 3) - 17 a(n + 2) + 87 a(n + 1) - 135 a(n), a(0) = 1, a(1) = 17,

a(2) = 202}

Sequence: A017897
Score: 5.86122
Type of gen. func.: ogf

$$(2650319 f(x) - 1358775) (135 f(x) x^3 - 87 f(x) x^2 + 17 f(x) x - f(x) + 1)$$

Sequence: A017898
Score: 12.6021
Type of gen. func.: ogf

$$f(x) x^4 + f(x) x - f(x) - x + 1$$

Sequence: A017898
Score: 17.6429
Type of gen. func.: ogf

$$\frac{x - 1}{x^4 + x - 1}$$

Sequence: A017898
Score: 27.2427
Type of gen. func.: lgdogf

$$-\frac{x^3 (3 x - 4)}{(x - 1) (x^4 + x - 1)}$$

Sequence: A017899
Score: 18.3516
Type of gen. func.: ogf

$$\frac{x - 1}{(x^2 - x + 1) (x^3 + x^2 - 1)}$$

Sequence: A017899
Score: 20.1420
Type of gen. func.: lgdogf

$$-\frac{x^4 (-5 + 4 x)}{(x - 1) (x^2 - x + 1) (x^3 + x^2 - 1)}$$

Sequence: A017900
Score: 17.6322
Type of gen. func.: ogf

$$\frac{x - 1}{x^6 + x - 1}$$

Sequence: A017900
Score: 28.4807
Type of gen. func.: lgdogf

$$-\frac{x^5 (5 x - 6)}{(x - 1) (x^6 + x - 1)}$$

Sequence: A017901
Score: 18.1366

Type of gen. func.: ogf

$$\frac{x - 1}{x^{7} + x - 1}$$

Sequence: A017901
Score: 27.4756
Type of gen. func.: lgdogf

$$-\frac{x^{6} (-7 + 6 x)}{(x - 1) (x^{7} + x - 1)}$$

Sequence: A017902
Score: 17.6512
Type of gen. func.: ogf

$$\frac{x - 1}{x^{8} + x - 1}$$

Sequence: A017902
Score: 27.8133
Type of gen. func.: lgdogf

$$-\frac{x^{7} (-8 + 7 x)}{(x - 1) (x^{8} + x - 1)}$$

Sequence: A017903
Score: 17.5174
Type of gen. func.: ogf

$$\frac{x - 1}{x^{9} + x - 1}$$

Sequence: A017903

Score: 28.7425
Type of gen. func.: lgdogf

$$-\frac{x^{8}\,(8\,x-9)}{(x-1)\,(x^{9}+x-1)}$$

Sequence: A017904
Score: 17.2684
Type of gen. func.: ogf

$$\frac{x-1}{x^{10}+x-1}$$

Sequence: A017904
Score: 27.1713
Type of gen. func.: lgdogf

$$-\frac{x^{9}\,(9\,x-10)}{(x-1)\,(x^{10}+x-1)}$$

Sequence: A017905
Score: 13.5845
Type of gen. func.: lgdogf

$$-\frac{x^{10}\,(10\,x-11)}{(x-1)\,(x^{2}-x+1)\,(x^{9}+x^{8}-x^{6}-x^{5}+x^{3}+x^{2}-1)}$$

Sequence: A017905
Score: 16.8791
Type of gen. func.: ogf

$$\frac{x-1}{(x^{2}-x+1)\,(x^{9}+x^{8}-x^{6}-x^{5}+x^{3}+x^{2}-1)}$$

Sequence: A017906
Score: 16.4854
Type of gen. func.: ogf

$$\frac{x - 1}{x^{12} + x - 1}$$

Sequence: A017906
Score: 24.6142
Type of gen. func.: lgdogf

$$- \frac{x^{11} (11 x - 12)}{(x - 1) (x^{12} + x - 1)}$$

Sequence: A017907
Score: 16.6028
Type of gen. func.: ogf

$$\frac{x - 1}{x^{13} + x - 1}$$

Sequence: A017907
Score: 24.9215
Type of gen. func.: lgdogf

$$- \frac{x^{12} (12 x - 13)}{(x - 1) (x^{13} + x - 1)}$$

Sequence: A017908
Score: 16.8093
Type of gen. func.: ogf

$$\frac{x - 1}{x^{14} + x - 1}$$

Sequence: A017908
Score: 23.8666
Type of gen. func.: lgdogf

$$-\frac{x^{13} (-14 + 13 x)}{(x - 1) (x^{14} + x - 1)}$$

Sequence: A017909
Score: 16.5874
Type of gen. func.: ogf

$$\frac{x - 1}{x^{15} + x - 1}$$

Sequence: A017909
Score: 24.4135
Type of gen. func.: lgdogf

$$-\frac{x^{14} (-15 + 14 x)}{(x - 1) (x^{15} + x - 1)}$$

Sequence: A017916
Score: 12.3498
Type of gen. func.: lgdogf

$$-\frac{2 (225 x^2 - 95 x + 9)}{(3 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A017916
Score: 13.5354
Type of gen. func.: ogf

$$-\frac{1}{(3 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A017916
Score: 4.66345
Type of gen. func.: ogf

{a(n + 3) - 18 a(n + 2) + 95 a(n + 1) - 150 a(n), a(0) = 1, a(1) = 18, a(2) = 229}

Sequence: A017916
Score: 4.91107
Type of gen. func.: ogf

$$(333919 f(x) - 156060) (150 f(x) x^3 - 95 f(x) x^2 + 18 f(x) x - f(x) + 1)$$

Sequence: A017917
Score: 12.2680
Type of gen. func.: lgdogf

$$- \frac{495 x^2 - 206 x + 19}{(3 x - 1) (5 x - 1) (11 x - 1)}$$

Sequence: A017917
Score: 13.4196
Type of gen. func.: ogf

$$- \frac{1}{(3 x - 1) (5 x - 1) (11 x - 1)}$$

Sequence: A017917
Score: 4.69685
Type of gen. func.: ogf

{a(n + 3) - 19 a(n + 2) + 103 a(n + 1) - 165 a(n), a(0) = 1, a(1) = 19, a(2) = 258}

Sequence: A017917
Score: 4.73632
Type of gen. func.: ogf

$$(231807859 f(x) - 99398475) (165 f(x) x^3 - 103 f(x) x^2 + 19 f(x) x - f(x) + 1)$$

Sequence: A017918
Score: 12.2098
Type of gen. func.: ogf

$$-\frac{1}{(12 x - 1) (3 x - 1) (5 x - 1)}$$

Sequence: A017918
Score: 4.27342
Type of gen. func.: ogf

$$\{a(n + 3) - 20 a(n + 2) + 111 a(n + 1) - 180 a(n), a(0) = 1, a(1) = 20, a(2) = 289\}$$

Sequence: A017918
Score: 4.42079
Type of gen. func.: ogf

$$(3342519 f(x) - 1322800) (180 f(x) x^3 - 111 f(x) x^2 + 20 f(x) x - f(x) + 1)$$

Sequence: A017931
Score: 13.0103
Type of gen. func.: lgdogf

$$-\frac{2 (189 x^2 - 81 x + 8)}{(-1 + 6 x) (3 x - 1) (7 x - 1)}$$

Sequence: A017931
Score: 13.9322
Type of gen. func.: ogf

$$-\frac{1}{(-1 + 6 x) (3 x - 1) (7 x - 1)}$$

Sequence: A017931
Score: 4.80018
Type of gen. func.: ogf

$$\{a(n+3) - 16\,a(n+2) + 81\,a(n+1) - 126\,a(n),\ a(0) = 1,\ a(1) = 16,\ a(2) = 175\}$$

Sequence: A017931
Score: 5.05505
Type of gen. func.: ogf

$$(599909\,f(x) - 340844)\,(126\,f(x)\,x^3 - 81\,f(x)\,x^2 + 16\,f(x)\,x - f(x) + 1)$$

Sequence: A017932
Score: 13.4896
Type of gen. func.: lgdogf

$$-\frac{432\,x^2 - 180\,x + 17}{(-1 + 6\,x)\,(3\,x - 1)\,(-1 + 8\,x)}$$

Sequence: A017932
Score: 14.4349
Type of gen. func.: ogf

$$-\frac{1}{(-1 + 6\,x)\,(3\,x - 1)\,(-1 + 8\,x)}$$

Sequence: A017932
Score: 4.97338
Type of gen. func.: ogf

$$\{a(n+3) - 17\,a(n+2) + 90\,a(n+1) - 144\,a(n),\ a(0) = 1,\ a(1) = 17,\ a(2) = 199\}$$

Sequence: A017932
Score: 5.42965
Type of gen. func.: ogf

$$(4819 f(x) - 2464) (144 f(x) x^3 - 90 f(x) x^2 + 17 f(x) x - f(x) + 1)$$

Sequence: A017933
Score: 13.3239
Type of gen. func.: ogf

$$- \frac{1}{(-1 + 6 x) (3 x - 1) (9 x - 1)}$$

Sequence: A017933
Score: 4.59059
Type of gen. func.: ogf

$$\{a(n + 3) - 18 a(n + 2) + 99 a(n + 1) - 162 a(n), a(0) = 1, a(1) = 18, a(2) = 225\}$$

Sequence: A017933
Score: 4.92144
Type of gen. func.: ogf

$$(22631 f(x) - 10476) (162 f(x) x^3 - 99 f(x) x^2 + 18 f(x) x - f(x) + 1)$$

Sequence: A017952
Score: 15.5914
Type of gen. func.: lgdogf

$$- \frac{540 x^2 - 216 x + 19}{(-1 + 6 x) (3 x - 1) (10 x - 1)}$$

Sequence: A017952
Score: 16.6192
Type of gen. func.: ogf

$$- \frac{1}{(-1 + 6 x) (3 x - 1) (10 x - 1)}$$

```
------------------------------------------------------------------------------

Sequence:  A017952
Score: 5.81671
Type of gen. func.: ogf


{a(n + 3) - 19 a(n + 2) + 108 a(n + 1) - 180 a(n), a(0) = 1, a(1) = 19,

    a(2) = 253}



------------------------------------------------------------------------------

Sequence:  A017952
Score: 6.23219
Type of gen. func.: ogf


                                    3             2
    (46343 f(x) - 19550) (180 f(x) x  - 108 f(x) x  + 19 f(x) x - f(x) + 1)



------------------------------------------------------------------------------

Sequence:  A017953
Score: 10.6553
Type of gen. func.: lgdogf


                                     2
                             2 (297 x  - 117 x + 10)
                       - -------------------------------
                         (-1 + 6 x) (3 x - 1) (11 x - 1)



------------------------------------------------------------------------------

Sequence:  A017953
Score: 11.9400
Type of gen. func.: ogf


                                        1
                       - -------------------------------
                         (-1 + 6 x) (3 x - 1) (11 x - 1)



------------------------------------------------------------------------------

Sequence:  A017953
Score: 4.17898
Type of gen. func.: ogf


{a(n + 3) - 20 a(n + 2) + 117 a(n + 1) - 198 a(n), a(0) = 1, a(1) = 20,

    a(2) = 283}



------------------------------------------------------------------------------

Sequence:  A017953
Score: 4.32309
Type of gen. func.: ogf
```

$$(4607225 f(x) - 1782572) (198 f(x) x^3 - 117 f(x) x^2 + 20 f(x) x - f(x) + 1)$$

Sequence: A017954
Score: 10.9633
Type of gen. func.: lgdogf

$$- \frac{3 (216 x^2 - 84 x + 7)}{(-1 + 6 x) (3 x - 1) (12 x - 1)}$$

Sequence: A017954
Score: 12.2772
Type of gen. func.: ogf

$$- \frac{1}{(-1 + 6 x) (3 x - 1) (12 x - 1)}$$

Sequence: A017954
Score: 4.29703
Type of gen. func.: ogf

$\{a(n + 3) - 21 a(n + 2) + 126 a(n + 1) - 216 a(n), a(0) = 1, a(1) = 21,$

$a(2) = 315\}$

Sequence: A017954
Score: 4.77449
Type of gen. func.: ogf

$$(381 f(x) - 136) (216 f(x) x^3 - 126 f(x) x^2 + 21 f(x) x - f(x) + 1)$$

Sequence: A017997
Score: 11.8899
Type of gen. func.: lgdogf

$$- \frac{2 (252 x^2 - 101 x + 9)}{(3 x - 1) (-1 + 8 x) (7 x - 1)}$$

```
------------------------------------------------------------------------------

Sequence:  A017997
Score: 12.7314
Type of gen. func.: ogf


                                        1
                        - ------------------------------
                          (3 x - 1) (-1 + 8 x) (7 x - 1)



------------------------------------------------------------------------------

Sequence:  A017997
Score: 4.41916
Type of gen. func.: ogf


(1511426453 f(x) - 693040320)

               3              2
    (168 f(x) x  - 101 f(x) x  + 18 f(x) x - f(x) + 1)



------------------------------------------------------------------------------

Sequence:  A017997
Score: 4.45598
Type of gen. func.: ogf


{a(n + 3) - 18 a(n + 2) + 101 a(n + 1) - 168 a(n), a(0) = 1, a(1) = 18,

    a(2) = 223}



------------------------------------------------------------------------------

Sequence:  A017998
Score: 12.6370
Type of gen. func.: lgdogf


                                    2
                               567 x  - 222 x + 19
                        - -----------------------------
                          (3 x - 1) (7 x - 1) (9 x - 1)



------------------------------------------------------------------------------

Sequence:  A017998
Score: 13.2131
Type of gen. func.: ogf


                                        1
                        - -----------------------------
                          (3 x - 1) (7 x - 1) (9 x - 1)



------------------------------------------------------------------------------

Sequence:  A017998
```

Score: 4.62459
Type of gen. func.: ogf

$$\{a(n + 3) - 19 a(n + 2) + 111 a(n + 1) - 189 a(n), a(0) = 1, a(1) = 19, a(2) = 250\}$$

Sequence: A017998
Score: 4.74317
Type of gen. func.: ogf

$$(10550887 f(x) - 4377807) (189 f(x) x^3 - 111 f(x) x^2 + 19 f(x) x - f(x) + 1)$$

Sequence: A017999
Score: 14.9135
Type of gen. func.: lgdogf

$$-\frac{2 (315 x^2 - 121 x + 10)}{(3 x - 1) (7 x - 1) (10 x - 1)}$$

Sequence: A017999
Score: 16.6192
Type of gen. func.: ogf

$$-\frac{1}{(3 x - 1) (7 x - 1) (10 x - 1)}$$

Sequence: A017999
Score: 5.72136
Type of gen. func.: ogf

$$(4145084101 f(x) - 1566564300) (210 f(x) x^3 - 121 f(x) x^2 + 20 f(x) x - f(x) + 1)$$

Sequence: A017999
Score: 5.81671
Type of gen. func.: ogf

$$\{a(n + 3) - 20 a(n + 2) + 121 a(n + 1) - 210 a(n), a(0) = 1, a(1) = 20,$$

$a(2) = 279\}$

Sequence: A018054
Score: 16.2042
Type of gen. func.: lgdogf

$$- \frac{693 x^{2} - 262 x + 21}{(11 x - 1) (3 x - 1) (7 x - 1)}$$

Sequence: A018054
Score: 17.2611
Type of gen. func.: ogf

$$- \frac{1}{(11 x - 1) (3 x - 1) (7 x - 1)}$$

Sequence: A018054
Score: 5.94235
Type of gen. func.: ogf

$$(6435162821 f(x) - 2229475941)$$

$$(231 f(x) x^{3} - 131 f(x) x^{2} + 21 f(x) x - f(x) + 1)$$

Sequence: A018054
Score: 6.04139
Type of gen. func.: ogf

$\{a(n + 3) - 21 a(n + 2) + 131 a(n + 1) - 231 a(n), a(0) = 1, a(1) = 21,$

$a(2) = 310\}$

Sequence: A018055
Score: 11.0249
Type of gen. func.: lgdogf

$$- \frac{2 (9 x - 1) (42 x - 11)}{(12 x - 1) (3 x - 1) (7 x - 1)}$$

Sequence: A018055
Score: 12.3447
Type of gen. func.: ogf

$$-\frac{1}{(12\ x - 1)\ (3\ x - 1)\ (7\ x - 1)}$$

Sequence: A018055
Score: 4.32064
Type of gen. func.: ogf

$\{a(n + 3) - 22\ a(n + 2) + 141\ a(n + 1) - 252\ a(n),\ a(0) = 1,\ a(1) = 22,$

$a(2) = 343\}$

Sequence: A018055
Score: 4.43144
Type of gen. func.: ogf

$$(13239157\ f(x) - 4229680)\ (252\ f(x)\ x^3 - 141\ f(x)\ x^2 + 22\ f(x)\ x - f(x) + 1)$$

Sequence: A018056
Score: 11.8128
Type of gen. func.: lgdogf

$$-\frac{2\ (324\ x^2 - 123\ x + 10)}{(3\ x - 1)\ (9\ x - 1)\ (-1 + 8\ x)}$$

Sequence: A018056
Score: 13.2131
Type of gen. func.: ogf

$$-\frac{1}{(3\ x - 1)\ (9\ x - 1)\ (-1 + 8\ x)}$$

Sequence: A018056
Score: 4.62459
Type of gen. func.: ogf

$$\{a(n + 3) - 20 a(n + 2) + 123 a(n + 1) - 216 a(n), a(0) = 1, a(1) = 20, a(2) = 277\}$$

Sequence: A018056
Score: 4.74317
Type of gen. func.: ogf

$$(18922505 f(x) - 7055424) (216 f(x) x^3 - 123 f(x) x^2 + 20 f(x) x - f(x) + 1)$$

Sequence: A018069
Score: 12.0753
Type of gen. func.: lgdogf

$$-\frac{720 x^2 - 268 x + 21}{(3 x - 1) (-1 + 8 x) (10 x - 1)}$$

Sequence: A018069
Score: 13.2131
Type of gen. func.: ogf

$$-\frac{1}{(3 x - 1) (-1 + 8 x) (10 x - 1)}$$

Sequence: A018069
Score: 4.62459
Type of gen. func.: ogf

$$\{a(n + 3) - 21 a(n + 2) + 134 a(n + 1) - 240 a(n), a(0) = 1, a(1) = 21, a(2) = 307\}$$

Sequence: A018069
Score: 4.66346
Type of gen. func.: ogf

$$(232205587 f(x) - 78818400) (240 f(x) x^3 - 134 f(x) x^2 + 21 f(x) x - f(x) + 1)$$

Sequence: A018070
Score: 10.9633
Type of gen. func.: lgdogf

$$-\frac{2\,(396\,x^{2}-145\,x+11)}{(3\,x-1)\,(11\,x-1)\,(-1+8\,x)}$$

Sequence: A018070
Score: 12.2772
Type of gen. func.: ogf

$$-\frac{1}{(3\,x-1)\,(11\,x-1)\,(-1+8\,x)}$$

Sequence: A018070
Score: 4.19223
Type of gen. func.: ogf

$$(11531966929\,f(x)-3586486464)\,(264\,f(x)\,x^{3}-145\,f(x)\,x^{2}+22\,f(x)\,x-f(x)+1)$$

Sequence: A018070
Score: 4.29703
Type of gen. func.: ogf

$$\{a(n+3)-22\,a(n+2)+145\,a(n+1)-264\,a(n),\ a(0)=1,\ a(1)=22,\ a(2)=339\}$$

Sequence: A018071
Score: 11.5904
Type of gen. func.: lgdogf

$$-\frac{864\,x^{2}-312\,x+23}{(12\,x-1)\,(3\,x-1)\,(-1+8\,x)}$$

Sequence: A018071
Score: 12.4122
Type of gen. func.: ogf

$$-\frac{1}{(12 x - 1) (3 x - 1) (-1 + 8 x)}$$

Sequence: A018071
Score: 4.34426
Type of gen. func.: ogf

{a(n + 3) - 23 a(n + 2) + 156 a(n + 1) - 288 a(n), a(0) = 1, a(1) = 23,

a(2) = 373}

Sequence: A018071
Score: 4.6965
Type of gen. func.: ogf

$$(23163 f(x) - 6640) (288 f(x) x^3 - 156 f(x) x^2 + 23 f(x) x - f(x) + 1)$$

Sequence: A018090
Score: 10.7785
Type of gen. func.: lgdogf

$$-\frac{2 (405 x^2 - 147 x + 11)}{(3 x - 1) (9 x - 1) (10 x - 1)}$$

Sequence: A018090
Score: 12.0749
Type of gen. func.: ogf

$$-\frac{1}{(3 x - 1) (9 x - 1) (10 x - 1)}$$

Sequence: A018090
Score: 4.22621
Type of gen. func.: ogf

{a(n + 3) - 22 a(n + 2) + 147 a(n + 1) - 270 a(n), a(0) = 1, a(1) = 22,

a(2) = 337}

Sequence: A018090
Score: 4.29784
Type of gen. func.: ogf

$$(51799189 f(x) - 15884100) (270 f(x) x^3 - 147 f(x) x^2 + 22 f(x) x - f(x) + 1)$$

Sequence: A018091
Score: 11.5260
Type of gen. func.: lgdogf

$$- \frac{891 x^2 - 318 x + 23}{(11 x - 1) (3 x - 1) (9 x - 1)}$$

Sequence: A018091
Score: 12.3447
Type of gen. func.: ogf

$$- \frac{1}{(11 x - 1) (3 x - 1) (9 x - 1)}$$

Sequence: A018091
Score: 4.32064
Type of gen. func.: ogf

{a(n + 3) - 23 a(n + 2) + 159 a(n + 1) - 297 a(n), a(0) = 1, a(1) = 23,

a(2) = 370}

Sequence: A018091
Score: 4.43144
Type of gen. func.: ogf

$$(11481929 f(x) - 3224529) (297 f(x) x^3 - 159 f(x) x^2 + 23 f(x) x - f(x) + 1)$$

Sequence: A018092
Score: 11.6548
Type of gen. func.: lgdogf

$$-\frac{6\,(162\,x^{2} - 57\,x + 4)}{(3\,x - 1)\,(12\,x - 1)\,(9\,x - 1)}$$

Sequence: A018092
Score: 12.4796
Type of gen. func.: ogf

$$-\frac{1}{(3\,x - 1)\,(12\,x - 1)\,(9\,x - 1)}$$

Sequence: A018092
Score: 4.36787
Type of gen. func.: ogf

$\{a(n + 3) - 24\, a(n + 2) + 171\, a(n + 1) - 324\, a(n),\ a(0) = 1,\ a(1) = 24,$

$a(2) = 405\}$

Sequence: A018092
Score: 4.59776
Type of gen. func.: ogf

$$(495859\, f(x) - 128304)\,(324\, f(x)\, x^{3} - 171\, f(x)\, x^{2} + 24\, f(x)\, x - f(x) + 1)$$

Sequence: A018186
Score: 13.1592
Type of gen. func.: lgdogf

$$-\frac{6\,x^{5} + 9\,x^{4} + 4\,x^{3} + 9\,x^{2} + 12\,x + 3}{(3\,x^{2} + 3\,x + 1)\,(x^{4} + 3\,x^{2} - 1)}$$

Sequence: A018186
Score: 14.3341
Type of gen. func.: ogf

$$-\frac{3 x^2 + 3 x + 1}{x^4 + 3 x^2 - 1}$$

Sequence: A018186
Score: 8.33717
Type of gen. func.: ogf

$$-(8 f(x) - 11) (f(x) x^4 + 3 f(x) x^2 + 3 x^2 - f(x) + 3 x + 1)$$

Sequence: A018191
Score: 3.39688
Type of gen. func.: ogf

$$\{(-4 n^2 - 20 n - 24) a(n + 1) + (-2 n^2 - 18 n - 36) a(n + 2) + (n + 1) a(n + 3)$$
$$+ (n + 4) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 16\}$$

Sequence: A018191
Score: 38.1183
Type of gen. func.: lgdegf]

$$\frac{2 x^2 + 3 x + 2}{x + 1}$$

Sequence: A018206
Score: 10.6836
Type of gen. func.: lgdogf

$$-\frac{2 (495 x^2 - 173 x + 12)}{(3 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A018206
Score: 12.4796
Type of gen. func.: ogf

```
                       - -------------------------------
                         (3 x - 1) (10 x - 1) (11 x - 1)



------------------------------------------------------------------------------

Sequence:  A018206
Score: 4.26134
Type of gen. func.: ogf


(31541647433 f(x) - 8052828300)

               3             2
    (330 f(x) x  - 173 f(x) x  + 24 f(x) x - f(x) + 1)



------------------------------------------------------------------------------

Sequence:  A018206
Score: 4.36787
Type of gen. func.: ogf


{a(n + 3) - 24 a(n + 2) + 173 a(n + 1) - 330 a(n), a(0) = 1, a(1) = 24,

    a(2) = 403}



------------------------------------------------------------------------------

Sequence:  A018207
Score: 11.0314
Type of gen. func.: lgdogf


                                    2
                              1080 x  - 372 x + 25
                       - -------------------------------
                         (12 x - 1) (3 x - 1) (10 x - 1)



------------------------------------------------------------------------------

Sequence:  A018207
Score: 12.6145
Type of gen. func.: ogf


                                        1
                       - -------------------------------
                         (12 x - 1) (3 x - 1) (10 x - 1)



------------------------------------------------------------------------------

Sequence:  A018207
Score: 4.41508
Type of gen. func.: ogf


{a(n + 3) - 25 a(n + 2) + 186 a(n + 1) - 360 a(n), a(0) = 1, a(1) = 25,

    a(2) = 439}
```

Sequence: A018207
Score: 4.60705
Type of gen. func.: ogf

$$(2026817 f(x) - 476600) (360 f(x) x^3 - 186 f(x) x^2 + 25 f(x) x - f(x) + 1)$$

Sequence: A018208
Score: 11.2224
Type of gen. func.: ogf

$$- \frac{1}{(11 x - 1) (3 x - 1) (12 x - 1)}$$

Sequence: A018208
Score: 3.92783
Type of gen. func.: ogf

{a(n + 3) - 26 a(n + 2) + 201 a(n + 1) - 396 a(n), a(0) = 1, a(1) = 26,

a(2) = 475}

Sequence: A018208
Score: 4.02855
Type of gen. func.: ogf

$$(14372247 f(x) - 3091792) (396 f(x) x^3 - 201 f(x) x^2 + 26 f(x) x - f(x) + 1)$$

Sequence: A018208
Score: 9.79255
Type of gen. func.: lgdogf

$$- \frac{2 (594 x^2 - 201 x + 13)}{(11 x - 1) (3 x - 1) (12 x - 1)}$$

Sequence: A018209
Score: 12.6477
Type of gen. func.: lgdogf

$$-\frac{2 (6 x - 1) (35 x - 8)}{(-1 + 4 x) (7 x - 1) (5 x - 1)}$$

Sequence: A018209
Score: 13.8604
Type of gen. func.: ogf

$$-\frac{1}{(-1 + 4 x) (7 x - 1) (5 x - 1)}$$

Sequence: A018209
Score: 4.77543
Type of gen. func.: ogf

$$(382476723 f(x) - 317265200) (140 f(x) x^{3} - 83 f(x) x^{2} + 16 f(x) x - f(x) + 1)$$

Sequence: A018209
Score: 4.77544
Type of gen. func.: ogf

$$\{a(n + 3) - 16 a(n + 2) + 83 a(n + 1) - 140 a(n), a(0) = 1, a(1) = 16, a(2) = 173\}$$

Sequence: A018210
Score: 15.4679
Type of gen. func.: lgdogf

$$-\frac{4 (6 x^{3} + 3 x^{2} + 4 x + 1)}{(x - 1) (x + 1) (3 x^{2} + 1)}$$

Sequence: A018210
Score: 6.43234
Type of gen. func.: ogf

$$-\frac{3 x^{2} + 1}{{}^{3} \qquad {}^{7}}$$

$$(x + 1) \quad (x - 1)$$

Sequence: A018211
Score: 11.2783
Type of gen. func.: lgdogf

$$- \frac{4 (2 x^5 + x^4 + 16 x^3 + 6 x^2 + 6 x + 1)}{(x - 1) (x + 1) (x^4 + 6 x^2 + 1)}$$

Sequence: A018211
Score: 4.68472
Type of gen. func.: ogf

$$\frac{x^4 + 6 x^2 + 1}{(x + 1)^4 (x - 1)^8}$$

Sequence: A018212
Score: 10.3682
Type of gen. func.: lgdogf

$$- \frac{9 x^5 + 5 x^4 + 70 x^3 + 30 x^2 + 25 x + 5}{(x - 1) (x + 1) (x^4 + 6 x^2 + 1)}$$

Sequence: A018212
Score: 4.23505
Type of gen. func.: ogf

$$- \frac{x^4 + 6 x^2 + 1}{(x + 1)^4 (x - 1)^9}$$

Sequence: A018213
Score: 9.23928
Type of gen. func.: lgdogf

$$-\frac{5 (11 x^5 + 5 x^4 + 30 x^3 + 10 x^2 + 7 x + 1)}{(x - 1) (x + 1) (5 x^4 + 10 x^2 + 1)}$$

Sequence: A018214
Score: 9.17562
Type of gen. func.: lgdogf

$$-\frac{2 (30 x^5 + 15 x^4 + 80 x^3 + 30 x^2 + 18 x + 3)}{(x - 1) (x + 1) (5 x^4 + 10 x^2 + 1)}$$

Sequence: A018215
Score: 14.4214
Type of gen. func.: ogf

$$\frac{4 x}{(-1 + 4 x)^2}$$

Sequence: A018215
Score: 25.6610
Type of gen. func.: revogf

$$\frac{x}{(1 + (1 + 4 x)^{1/2})^2}$$

Sequence: A018215
Score: 6.68310
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 16 a(n), a(0) = 0, a(1) = 4\}$$

Sequence: A018215
Score: 9.13357
Type of gen. func.: ogf

$$-16 f(x) x^2 + 8 f(x) x - f(x) + 4 x$$

Sequence: A018217
Score: 4.45278
Type of gen. func.: ogf

$$\{(-16 n^2 - 88 n - 120) a(n + 1) + (8 n^2 + 42 n + 52) a(n + 2) + (-n^2 - 5 n - 6) a(n + 3), a(0) = 0, a(1) = 4, a(2) = 36\}$$

Sequence: A018217
Score: 5.20455
Type of gen. func.: ogf

$$-256 f(x)^2 x^4 + 256 f(x)^2 x^3 - 96 f(x)^2 x^2 + 16 f(x)^2 x + 64 f(x) x^2 - f(x)^2 - 32 f(x) x + 4 f(x) - 16 x$$

Sequence: A018218
Score: 3.17738
Type of gen. func.: ogf

$$\{(-16 n^2 - 88 n - 120) a(n + 1) + (8 n^2 + 42 n + 52) a(n + 2) + (-n^2 - 5 n - 6) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 9\}$$

Sequence: A018218
Score: 3.74179
Type of gen. func.: ogf

$$-256 f(x)^2 x^4 + 256 f(x)^2 x^3 - 96 f(x)^2 x^2 + 16 f(x)^2 x + 16 f(x) x^2 - f(x)^2 - 8 f(x) x + f(x) - x$$

Sequence: A018227
Score: 7.48516
Type of gen. func.: ogf

$$\frac{2 (x^4 - x^3 - 2 x^2 + 3 x + 1)}{}$$

$$(x + 1)^2 (x - 1)^4$$

Sequence: A018240
Score: 3.36889
Type of gen. func.: ogf

$$- \frac{x^4 + x^3 + 2 x^2 - 1}{(2 x - 1) (x + 1) (2 x^2 - 1) (x^2 + 1)}$$

Sequence: A018242
Score: 2.48491
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^2$$

Sequence: A018250
Score: 13.4212
Type of gen. func.: lgdogf

$$- \frac{480 x^2 - 184 x + 17}{(-1 + 4 x) (8 x - 1) (5 x - 1)}$$

Sequence: A018250
Score: 14.3631
Type of gen. func.: ogf

$$- \frac{1}{(-1 + 4 x) (8 x - 1) (5 x - 1)}$$

Sequence: A018250
Score: 4.94864
Type of gen. func.: ogf

$\{a(n + 3) - 17 a(n + 2) + 92 a(n + 1) - 160 a(n), a(0) = 1, a(1) = 17,$

$a(2) = 197\}$

Sequence: A018250
Score: 5.2114
Type of gen. func.: ogf

$$(655683 f(x) - 498800) (160 f(x) x^{3} - 92 f(x) x^{2} + 17 f(x) x - f(x) + 1)$$

Sequence: A018823
Score: 6.93771
Type of gen. func.: ogf

$$- \frac{x^{34} - x^{33} + x^{20} - x^{19} + 2 x^{13} - 2 x^{12} + x^{11} - x^{10} + x^{7} - x^{6} + 17 x - 18}{(x - 1)^{2}}$$

Sequence: A018824
Score: 14.4091
Type of gen. func.: ogf

$$- \frac{x^{15} - x^{14} + 18 x - 19}{(x - 1)^{2}}$$

Sequence: A018824
Score: 15.5845
Type of gen. func.: lgdogf

$$\frac{13 x^{15} - 27 x^{14} + 14 x^{13} - 18 x + 20}{(x - 1) (x^{15} - x^{14} + 18 x - 19)}$$

Sequence: A018836
Score: 8.13077
Type of gen. func.: ogf

$$- \frac{(x + 1) (4 x^{5} - 8 x^{4} + 12 x^{2} + 5 x + 1)}{(x - 1)^{3}}$$

Sequence: A018836
Score: 9.12733
Type of gen. func.: lgdogf

$$\frac{12 x^6 - 32 x^5 + 12 x^4 + 32 x^3 - 53 x^2 - 46 x - 9}{(x - 1) (x + 1) (4 x^5 - 8 x^4 + 12 x^2 + 5 x + 1)}$$

Sequence: A018837
Score: 11.7491
Type of gen. func.: ogf

$$\frac{x (2 x^5 - 2 x^4 - x^3 + x^2 - x + 3)}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A018837
Score: 7.50558
Type of gen. func.: lgdogf

$$\frac{2 (x^2 - 2 x - 1) (x^4 + x^3 + x^2 + 1)}{(x - 1) (x + 1) (x^2 + 1) (2 x^5 - 2 x^4 - x^3 + x^2 - x + 3)}$$

Sequence: A018838
Score: 12.2856
Type of gen. func.: lgdogf

$$\frac{x^7 - x^6 - 2 x^4 + 2 x^3 - 4 x^2 - 2}{(x - 1) (x^2 + x + 1) (x^5 - x^4 - x^2 + x + 1)}$$

Sequence: A018838
Score: 9.86285
Type of gen. func.: ogf

$$2 x (x^5 - x^4 - x^2 + x + 1)$$

$$(x^2 + x + 1) (x - 1)^2$$

Sequence: A018839
Score: 6.24038
Type of gen. func.: lgdogf

$$4 (21 x^9 - 9 x^8 - 54 x^7 - 2 x^6 + 72 x^5 + 14 x^4 - 40 x^3 - 24 x^2 - 10 x - 2) / ((x - 1) (x + 1) (12 x^8 - 24 x^6 - 20 x^5 + 28 x^4 + 20 x^3 + 12 x^2 + 5 x + 1))$$

Sequence: A018839
Score: 6.96416
Type of gen. func.: ogf

$$\frac{(x + 1) (12 x^8 - 24 x^6 - 20 x^5 + 28 x^4 + 20 x^3 + 12 x^2 + 5 x + 1)}{(x - 1)^2}$$

Sequence: A018840
Score: 6.66562
Type of gen. func.: ogf

$$x (2 x^{17} - 2 x^{16} + 2 x^{13} - 2 x^{12} + 2 x^9 - 2 x^6 - 3 x^5 + 3 x^4 - 3 x^3 + x^2 - x + 5) / ((x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2)$$

Sequence: A018841
Score: 8.18303
Type of gen. func.: ogf

$$\frac{2 x (x^{13} - x^{11} + x^8 - x^7 - x^4 - x^3 + x^2 + x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A018842

Score: 7.52240
Type of gen. func.: ogf

$$\frac{(x + 1) (4 x^5 - 8 x^4 + 12 x^2 + 5 x + 1)}{(x - 1)^2}$$

Sequence: A018842
Score: 8.09372
Type of gen. func.: lgdogf

$$\frac{4 (4 x^6 - 9 x^5 + x^4 + 11 x^3 - 9 x^2 - 10 x - 2)}{(x - 1) (x + 1) (4 x^5 - 8 x^4 + 12 x^2 + 5 x + 1)}$$

Sequence: A018867
Score: 10.0317
Type of gen. func.: ogf

$$(f(x) x - 8 f(x) + 2097151 x + 8)^3$$

Sequence: A018902
Score: 13.1737
Type of gen. func.: revogf

$$- \frac{-1 - 5 x + (13 x^2 + 6 x + 1)^{1/2}}{2 (1 + 3 x)}$$

Sequence: A018902
Score: 16.2734
Type of gen. func.: lgdogf

$$- \frac{3 x^2 - 6 x + 4}{(x - 1) (3 x^2 - 5 x + 1)}$$

Sequence: A018902

```
Score: 16.5236
Type of gen. func.: ogf


                                          x - 1
                                    - --------------
                                             2
                                      3 x  - 5 x + 1



--------------------------------------------------------------------------------

Sequence:  A018902
Score: 8.35461
Type of gen. func.: ogf


                                             2
              -(7 f(x) + 1) (3 f(x) x  - 5 f(x) x + f(x) + x - 1)



--------------------------------------------------------------------------------

Sequence:  A018902
Score: 9.06782
Type of gen. func.: ogf

              {a(n + 2) - 5 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 4}



--------------------------------------------------------------------------------

Sequence:  A018903
Score: 13.1929
Type of gen. func.: revogf


                                                 2            1/2
                            -1 - 6 x + (20 x  + 8 x + 1)
                          - ------------------------------
                                      2 (1 + 4 x)



--------------------------------------------------------------------------------

Sequence:  A018903
Score: 16.2971
Type of gen. func.: lgdogf

                                             2
                                      4 x  - 8 x + 5
                              - ------------------------
                                                 2
                                 (x - 1) (4 x  - 6 x + 1)



--------------------------------------------------------------------------------

Sequence:  A018903
Score: 16.8084
Type of gen. func.: ogf


                                          x - 1
```

$$-\frac{\qquad}{4 x^{2} - 6 x + 1}$$

Sequence: A018903
Score: 8.40419
Type of gen. func.: ogf

$$-(22 f(x) + 3) (4 f(x) x^{2} - 6 f(x) x + f(x) + x - 1)$$

Sequence: A018903
Score: 9.22410
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A018904
Score: 12.5403
Type of gen. func.: revogf

$$-\frac{-1 - 7 x + (29 x^{2} + 10 x + 1)^{1/2}}{2 (1 + 5 x)}$$

Sequence: A018904
Score: 15.4066
Type of gen. func.: lgdogf

$$-\frac{5 x^{2} - 10 x + 6}{(x - 1) (5 x^{2} - 7 x + 1)}$$

Sequence: A018904
Score: 16.5833
Type of gen. func.: ogf

$$-\frac{x - 1}{5 x^{2} - 7 x + 1}$$

Sequence: A018904
Score: 8.3848
Type of gen. func.: ogf

$$-(8 f(x) + 1) (5 f(x) x^2 - 7 f(x) x + f(x) + x - 1)$$

Sequence: A018904
Score: 9.10057
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) + 5 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A018905
Score: 3.01880
Type of gen. func.: ogf

$$-\frac{x^2 + 2 x - 2}{(x - 1) (x^2 + 2 x - 1)}$$

Sequence: A018908
Score: 10.2386
Type of gen. func.: ogf

$$-\frac{2 x^3 - 3 x^2 + 5 x - 3}{(x - 1) (x^3 - x^2 + 2 x - 1)}$$

Sequence: A018908
Score: 5.59131
Type of gen. func.: ogf

$$-(f(x) + 1)$$

$$(f(x) x^4 - 2 f(x) x^3 + 3 f(x) x^2 + 2 x^3 - 3 f(x) x - 3 x^2 + f(x) + 5 x - 3)$$

Sequence: A018908

Score: 9.21477
Type of gen. func.: lgdogf

$$-\frac{2x^6-6x^5+15x^4-20x^3+18x^2-12x+4}{(x-1)(2x^3-3x^2+5x-3)(x^3-x^2+2x-1)}$$

Sequence: A018909
Score: 3.76901
Type of gen. func.: ogf

$$-(x^{15}+5x^{14}+x^{13}+5x^{12}-x^{11}+5x^{10}+6x^9-2x^8+4x^4-2x^2-6) \Big/ (3x^{15}-x^{14}+3x^{13}-2x^{12}+3x^{11}+x^{10}-4x^9+2x^5-2x^4-2x^3-4x+2)$$

Sequence: A018910
Score: 14.6542
Type of gen. func.: lgdogf

$$-\frac{3x^4+6x^3-6x^2-6x+5}{(x-1)(3x^2+3x-4)(x^2+x-1)}$$

Sequence: A018910
Score: 15.7602
Type of gen. func.: ogf

$$-\frac{3x^2+3x-4}{(x-1)(x^2+x-1)}$$

Sequence: A018910
Score: 8.43729
Type of gen. func.: ogf

$$-(19\,f(x)-43)\,(f(x)\,x^3-2\,f(x)\,x+3x^2+f(x)+3x-4)$$

Sequence: A018910
Score: 8.88609
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n), a(0) = 4, a(1) = 5, a(2) = 7\}$$

Sequence: A018911
Score: 11.8184
Type of gen. func.: lgdogf

$$- \frac{2 (270 x^2 - 101 x + 9)}{(-1 + 4 x) (9 x - 1) (5 x - 1)}$$

Sequence: A018911
Score: 12.9379
Type of gen. func.: ogf

$$- \frac{1}{(-1 + 4 x) (9 x - 1) (5 x - 1)}$$

Sequence: A018911
Score: 4.49083
Type of gen. func.: ogf

$$(1119757541 f(x) - 781585200)$$

$$(180 f(x) x^3 - 101 f(x) x^2 + 18 f(x) x - f(x) + 1)$$

Sequence: A018911
Score: 4.52825
Type of gen. func.: ogf

$$\{a(n + 3) - 18 a(n + 2) + 101 a(n + 1) - 180 a(n), a(0) = 1, a(1) = 18,$$

$$a(2) = 223\}$$

Sequence: A018912
Score: 12.0753
Type of gen. func.: lgdogf

$$-\frac{600 x^{2} - 220 x + 19}{(-1 + 4 x) (5 x - 1) (10 x - 1)}$$

Sequence: A018912
Score: 13.2131
Type of gen. func.: ogf

$$-\frac{1}{(-1 + 4 x) (5 x - 1) (10 x - 1)}$$

Sequence: A018912
Score: 4.62459
Type of gen. func.: ogf

$\{a(n + 3) - 19 a(n + 2) + 110 a(n + 1) - 200 a(n), a(0) = 1, a(1) = 19,$

$a(2) = 251\}$

Sequence: A018912
Score: 5.04501
Type of gen. func.: ogf

$$(2553 f(x) - 1640) (200 f(x) x^{3} - 110 f(x) x^{2} + 19 f(x) x - f(x) + 1)$$

Sequence: A018913
Score: 13.0723
Type of gen. func.: revogf

$$-\frac{-1 - 9 x + (11 x + 1)^{1/2} (1 + 7 x)^{1/2}}{2 x}$$

Sequence: A018913
Score: 17.7020
Type of gen. func.: ogf

$$\frac{x}{{}^{2}}$$

$$x - 9 x + 1$$

Sequence: A018913
Score: 27.3895
Type of gen. func.: lgdogf

$$-\frac{-9 + 2 x}{x^{2} - 9 x + 1}$$

Sequence: A018913
Score: 7.21194
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) + a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A018913
Score: 9.90115
Type of gen. func.: ogf

$$-f(x) x^{2} + 9 f(x) x - f(x) + x$$

Sequence: A018914
Score: 10.2128
Type of gen. func.: ogf

$$-\frac{x^{5} - x^{2} + x - 2}{(x - 1) (x^{5} + x^{4} + x^{3} + 2 x - 1)}$$

Sequence: A018914
Score: 9.53886
Type of gen. func.: lgdogf

$$-\frac{x^{10} - 2 x^{7} - x^{6} - 4 x^{4} - 2 x^{3} + 5 x^{2} - 6 x + 5}{(x - 1) (x^{5} + x^{4} + x^{3} + 2 x - 1) (x^{5} - x^{2} + x - 2)}$$

Sequence: A018916
Score: 13.5553
Type of gen. func.: ogf

$$-\frac{x^2 - 2}{2 x^3 - 4 x + 1}$$

Sequence: A018916
Score: 14.1630
Type of gen. func.: lgdogf

$$-\frac{2 (x - 1) (x^3 + x^2 - 3 x - 4)}{(x^2 - 2) (2 x^3 - 4 x + 1)}$$

Sequence: A018916
Score: 6.99171
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 2 a(n), a(0) = 2, a(1) = 8, a(2) = 31\}$$

Sequence: A018916
Score: 7.29905
Type of gen. func.: ogf

$$(48 f(x) - 31) (2 f(x) x^3 - 4 f(x) x + x^2 + f(x) - 2)$$

Sequence: A018917
Score: 11.6919
Type of gen. func.: lgdogf

$$-\frac{x^6 - 5 x^4 - 10 x^3 - x^2 + 6 x + 5}{(x - 1) (x^3 - 2 x - 3) (x^3 + x^2 - 1)}$$

Sequence: A018917

Score: 13.0717
Type of gen. func.: ogf

$$-\frac{x^3 - 2 x - 3}{(x - 1) (x^3 + x^2 - 1)}$$

Sequence: A018917
Score: 7.18355
Type of gen. func.: ogf

$$(9 f(x) - 7) (f(x) x^4 - f(x) x^2 + x^3 - f(x) x + f(x) - 2 x - 3)$$

Sequence: A018918
Score: 10.2043
Type of gen. func.: ogf

$$-\frac{x^3 - 2 x^2 + 3 x - 3}{(x - 1) (x^3 - x^2 + 2 x - 1)}$$

Sequence: A018918
Score: 5.57257
Type of gen. func.: ogf

$$-(5 f(x) - 9)$$

$$(f(x) x^4 - 2 f(x) x^3 + 3 f(x) x^2 + x^3 - 3 f(x) x - 2 x^2 + f(x) + 3 x - 3)$$

Sequence: A018919
Score: 13.5643
Type of gen. func.: ogf

$$-\frac{x^2 - 3}{x^3 - 3 x + 1}$$

Sequence: A018919

Score: 17.1479
Type of gen. func.: lgdogf

$$-\frac{x^4 - 6 x^2 - 2 x + 9}{(x^2 - 3) (x^3 - 3 x + 1)}$$

Sequence: A018919
Score: 6.99634
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + a(n), a(0) = 3, a(1) = 9, a(2) = 26\}$$

Sequence: A018919
Score: 7.30386
Type of gen. func.: ogf

$$(27 f(x) - 26) (f(x) x^3 - 3 f(x) x + x^2 + f(x) - 3)$$

Sequence: A018920
Score: 6.17916
Type of gen. func.: lgdogf

$$-\frac{x^{10} + 2 x^9 + 3 x^8 + 2 x^7 - x^6 - 8 x^5 - 13 x^4 - 10 x^3 - 2 x^2 + 6 x + 10}{(x - 1) (x^5 + x^4 + x^3 - x - 3) (x^5 + 2 x^4 + 3 x^3 + 3 x^2 + 2 x - 1)}$$

Sequence: A018920
Score: 7.84746
Type of gen. func.: ogf

$$-\frac{x^5 + x^4 + x^3 - x - 3}{(x - 1) (x^5 + 2 x^4 + 3 x^3 + 3 x^2 + 2 x - 1)}$$

Sequence: A018921
Score: 13.9198
Type of gen. func.: ogf

$$-\frac{2x^3+x^2-4}{(x-1)(x^3+x^2+x-1)}$$

Sequence: A018921
Score: 6.74432
Type of gen. func.: lgdogf

$$-\frac{2(x^6+x^5-4x^3-2x^2-x+4)}{(x-1)(2x^3+x^2-4)(x^3+x^2+x-1)}$$

Sequence: A018921
Score: 7.85575
Type of gen. func.: ogf

$$-(3f(x)-8)(f(x)x^4+2x^3-2f(x)x+x^2+f(x)-4)$$

Sequence: A018922
Score: 11.8368
Type of gen. func.: ogf

$$-\frac{4x^4+2x^3+x^2-8}{(x-1)(x^4+x^3+x^2+x-1)}$$

Sequence: A018922
Score: 8.30254
Type of gen. func.: lgdogf

$$-\frac{4x^8+4x^7+3x^6-16x^4-8x^3-4x^2-2x+16}{(x-1)(4x^4+2x^3+x^2-8)(x^4+x^3+x^2+x-1)}$$

Sequence: A018923
Score: 10.3948
Type of gen. func.: ogf

$$-\frac{8 x^5 + 4 x^4 + 2 x^3 + x^2 - 16}{(x - 1) (x^5 + x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A018932
Score: 18.4789
Type of gen. func.: lgdegf]

$$\frac{x^2 + 5}{(x - 1) (x - 3) (x^2 - x + 1)}$$

Sequence: A018932
Score: 4.19016
Type of gen. func.: egf]

$-(36 f(x) - 403)$

$$(f(x) x^3 - x^4 - 3 f(x) x^2 + 4 x^3 + 3 f(x) x - 4 x^2 - f(x) + 3 x)$$

Sequence: A018932
Score: 7.46193
Type of gen. func.: egf]

$$\frac{x (x - 3) (x^2 - x + 1)}{(x - 1)^3}$$

Sequence: A018933
Score: 5.53734
Type of gen. func.: egf]

$$\frac{3 x^5 - 11 x^4 + 16 x^3 - 7 x^2 + 3 x + 2}{(x - 1)^4}$$

Sequence: A018933
Score: 6.76955
Type of gen. func.: lgdegf]

$$\frac{3 x^5 - 15 x^4 + 28 x^3 - 34 x^2 + 5 x - 11}{(x - 1) (3 x^5 - 11 x^4 + 16 x^3 - 7 x^2 + 3 x + 2)}$$

Sequence: A018934
Score: 5.36161
Type of gen. func.: ogf

$$\{(-n^2 + n) a(n) - a(n + 1) n^2 + (-1 + n) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 2\}$$

Sequence: A019040
Score: 10.8292
Type of gen. func.: lgdogf

$$- \frac{2 (15 x - 2) (22 x - 5)}{(5 x - 1) (-1 + 4 x) (11 x - 1)}$$

Sequence: A019040
Score: 11.8725
Type of gen. func.: ogf

$$- \frac{1}{(5 x - 1) (-1 + 4 x) (11 x - 1)}$$

Sequence: A019040
Score: 4.08726
Type of gen. func.: ogf

$$(2746515399 f(x) - 1630257200) (220 f(x) x^3 - 119 f(x) x^2 + 20 f(x) x - f(x) + 1)$$

Sequence: A019040
Score: 4.15538

Type of gen. func.: ogf

{a(n + 3) - 20 a(n + 2) + 119 a(n + 1) - 220 a(n), a(0) = 1, a(1) = 20,

a(2) = 281}

Sequence: A019041
Score: 11.2069
Type of gen. func.: lgdogf

$$-\frac{720 x^2 - 256 x + 21}{(12 x - 1) (-1 + 4 x) (5 x - 1)}$$

Sequence: A019041
Score: 12.2772
Type of gen. func.: ogf

$$-\frac{1}{(12 x - 1) (-1 + 4 x) (5 x - 1)}$$

Sequence: A019041
Score: 4.29703
Type of gen. func.: ogf

{a(n + 3) - 21 a(n + 2) + 128 a(n + 1) - 240 a(n), a(0) = 1, a(1) = 21,

a(2) = 313}

Sequence: A019041
Score: 4.5232
Type of gen. func.: ogf

$$(498769 f(x) - 274725) (240 f(x) x^3 - 128 f(x) x^2 + 21 f(x) x - f(x) + 1)$$

Sequence: A019274
Score: 11.5779
Type of gen. func.: ogf

$$f(x) x^3 - 2 f(x) x - 2 x^2 + f(x)$$

Sequence: A019274
Score: 19.7137
Type of gen. func.: ogf

$$\frac{2 x^{2}}{(x - 1) (x^{2} + x - 1)}$$

Sequence: A019274
Score: 26.7476
Type of gen. func.: lgdogf

$$- \frac{3 x^{2} - 2}{(x - 1) (x^{2} + x - 1)}$$

Sequence: A019274
Score: 7.92833
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A019298
Score: 14.1274
Type of gen. func.: lgdogf

$$- \frac{3 x^{3} + 7 x^{2} + 10 x + 4}{(x - 1) (x + 1) (x^{2} + x + 1)}$$

Sequence: A019298
Score: 24.5542
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{2} + x + 4$$

Sequence: A019298
Score: 7.63444
Type of gen. func.: ogf

$$\frac{x (x^2 + x + 1)}{(x + 1) (x - 1)^4}$$

Sequence: A019303
Score: 14.7032
Type of gen. func.: ogf

$$-\frac{3 x^3 + x^2 - 4 x - 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A019303
Score: 16.4534
Type of gen. func.: lgdogf

$$-\frac{3 x^4 + 2 x^3 - 3 x^2 - 2 x - 4}{(x - 1) (x + 1) (3 x^3 + x^2 - 4 x - 1)}$$

Sequence: A019303
Score: 9.01608
Type of gen. func.: ogf

$$-(2 f(x) + 97) (f(x) x^4 - 2 f(x) x^2 + 3 x^3 + x^2 + f(x) - 4 x - 1)$$

Sequence: A019304
Score: 6.78385
Type of gen. func.: ogf

$$- (7 x^{11} + x^{10} + 2 x^9 + x^8 - 18 x^7 - 2 x^6 - 6 x^5 - 2 x^4 + 12 x^3 + x^2 + 4 x + 1) \Big/ ((x - 1)^3 (x + 1)^3 (x^2 + 1)^3)$$

Sequence: A019316
Score: 12.7815
Type of gen. func.: lgdogf

$$-\frac{504 x^2 - 188 x + 17}{(6 x - 1) (7 x - 1) (-1 + 4 x)}$$

Sequence: A019316
Score: 14.0040
Type of gen. func.: ogf

$$-\frac{1}{(6 x - 1) (7 x - 1) (-1 + 4 x)}$$

Sequence: A019316
Score: 4.82492
Type of gen. func.: ogf

$\{a(n + 3) - 17 a(n + 2) + 94 a(n + 1) - 168 a(n), a(0) = 1, a(1) = 17,$

$a(2) = 195\}$

Sequence: A019316
Score: 4.9074
Type of gen. func.: ogf

$$(23049827 f(x) - 18342072) (168 f(x) x^3 - 94 f(x) x^2 + 17 f(x) x - f(x) + 1)$$

Sequence: A019333
Score: 11.4972
Type of gen. func.: lgdogf

$$-\frac{2 (288 x^2 - 104 x + 9)}{(6 x - 1) (8 x - 1) (-1 + 4 x)}$$

Sequence: A019333
Score: 12.5938

Type of gen. func.: ogf

$$-\frac{1}{(6x-1)(8x-1)(-1+4x)}$$

Sequence: A019333
Score: 4.40782
Type of gen. func.: ogf

$$\{a(n+3) - 18\,a(n+2) + 104\,a(n+1) - 192\,a(n),\ a(0) = 1,\ a(1) = 18,\ a(2) = 220\}$$

Sequence: A019333
Score: 4.80853
Type of gen. func.: ogf

$$(5599\,f(x) - 4104)\,(192\,f(x)\,x^3 - 104\,f(x)\,x^2 + 18\,f(x)\,x - f(x) + 1)$$

Sequence: A019425
Score: 12.3273
Type of gen. func.: ogf

$$\frac{x\,(x^4 - x^3 + 2x^2 + x + 1)}{(x-1)^2\,(x+1)^2}$$

Sequence: A019425
Score: 18.3533
Type of gen. func.: lgdogf

$$\frac{(x^2+1)\,(x^2 - 8x - 1)}{(x-1)\,(x+1)\,(x^4 - x^3 + 2x^2 + x + 1)}$$

Sequence: A019426
Score: 12.0160
Type of gen. func.: ogf

$$\frac{x (x^4 - x^3 + 3 x^2 + x + 2)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A019426
Score: 17.5423
Type of gen. func.: lgdogf

$$\frac{x^4 - 10 x^3 - 14 x - 1}{(x - 1) (x + 1) (x^4 - x^3 + 3 x^2 + x + 2)}$$

Sequence: A019427
Score: 12.2981
Type of gen. func.: ogf

$$\frac{x (x^4 - x^3 + 4 x^2 + x + 3)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A019427
Score: 17.9600
Type of gen. func.: lgdogf

$$\frac{x^4 - 12 x^3 - 20 x - 1}{(x - 1) (x + 1) (x^4 - x^3 + 4 x^2 + x + 3)}$$

Sequence: A019428
Score: 12.0553
Type of gen. func.: ogf

$$\frac{x (x^4 - x^3 + 5 x^2 + x + 4)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A019428

Score: 17.6021
Type of gen. func.: lgdogf

$$\frac{x^4 - 14 x^3 - 26 x - 1}{(x - 1) (x + 1) (x^4 - x^3 + 5 x^2 + x + 4)}$$

Sequence: A019429
Score: 12.1675
Type of gen. func.: ogf

$$\frac{x (x^4 - x^3 + 6 x^2 + x + 5)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A019429
Score: 17.7681
Type of gen. func.: lgdogf

$$\frac{x^4 - 16 x^3 - 32 x - 1}{(x - 1) (x + 1) (x^4 - x^3 + 6 x^2 + x + 5)}$$

Sequence: A019430
Score: 12.2235
Type of gen. func.: ogf

$$\frac{x (x^4 - x^3 + 7 x^2 + x + 6)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A019430
Score: 17.8512
Type of gen. func.: lgdogf

$$\frac{x^4 - 18 x^3 - 38 x - 1}{(x - 1) (x + 1) (x^4 - x^3 + 7 x^2 + x + 6)}$$

Sequence: A019431
Score: 12.1296
Type of gen. func.: ogf

$$\frac{x (x^4 - x^3 + 8 x^2 + x + 7)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A019431
Score: 17.7129
Type of gen. func.: lgdogf

$$\frac{x^4 - 20 x^3 - 44 x - 1}{(x - 1) (x + 1) (x^4 - x^3 + 8 x^2 + x + 7)}$$

Sequence: A019432
Score: 12.1296
Type of gen. func.: ogf

$$\frac{x (x^4 - x^3 + 9 x^2 + x + 8)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A019432
Score: 17.7129
Type of gen. func.: lgdogf

$$\frac{x^4 - 22 x^3 - 50 x - 1}{(x - 1) (x + 1) (x^4 - x^3 + 9 x^2 + x + 8)}$$

Sequence: A019433
Score: 12.0293
Type of gen. func.: ogf

$$x (x^4 - x^3 + 10 x^2 + x + 9)$$
$$\overline{}$$

$$(x-1)^2\,(x+1)^2$$

Sequence: A019433
Score: 17.4599
Type of gen. func.: lgdogf

$$\frac{x^4 - 24\,x^3 - 56\,x - 1}{(x-1)\,(x+1)\,(x^4 - x^3 + 10\,x^2 + x + 9)}$$

Sequence: A019439
Score: 7.15535
Type of gen. func.: lgdogf

$$-\frac{(x+1)\,(x^9 - 3\,x^8 + 2\,x^6 + 5\,x^5 + 5\,x^4 - 5\,x^3 + 9\,x^2 + 2\,x + 2)}{(x^5 - x^4 - 2\,x^3 - 2\,x^2 - 1)\,(x^6 - x^5 - 2\,x^4 - 3\,x^3 - 2\,x + 1)}$$

Sequence: A019439
Score: 7.95951
Type of gen. func.: ogf

$$-\frac{x^5 - x^4 - 2\,x^3 - 2\,x^2 - 1}{x^6 - x^5 - 2\,x^4 - 3\,x^3 - 2\,x + 1}$$

Sequence: A019442
Score: 10.2483
Type of gen. func.: ogf

$$f(x)\,(f(x)\,x^2 - 2\,x^3 - 2\,f(x)\,x - x^2 + f(x) - 1)$$

Sequence: A019442
Score: 16.0017
Type of gen. func.: ogf

$$(x+1)\,(2\,x^2 - x + 1)$$

$$\frac{}{(x - 1)^{2}}$$

Sequence: A019442
Score: 21.3235
Type of gen. func.: lgdogf

$$\frac{2 (x^{3} - 3 x^{2} - x - 1)}{(x - 1) (x + 1) (2 x^{2} - x + 1)}$$

Sequence: A019442
Score: 8.00084
Type of gen. func.: ogf

$\{-a(n + 4) + 2 a(n + 3) - a(n + 2), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8\}$

Sequence: A019443
Score: 12.2184
Type of gen. func.: lgdogf

$$- \frac{648 x^{2} - 228 x + 19}{(6 x - 1) (-1 + 4 x) (9 x - 1)}$$

Sequence: A019443
Score: 13.0755
Type of gen. func.: ogf

$$- \frac{1}{(6 x - 1) (-1 + 4 x) (9 x - 1)}$$

Sequence: A019443
Score: 4.57642
Type of gen. func.: ogf

$\{a(n + 3) - 19 a(n + 2) + 114 a(n + 1) - 216 a(n), a(0) = 1, a(1) = 19,$
$a(2) = 247\}$

Sequence: A019443
Score: 4.94748
Type of gen. func.: ogf

$$(14413 f(x) - 9720) (216 f(x) x^3 - 114 f(x) x^2 + 19 f(x) x - f(x) + 1)$$

Sequence: A019449
Score: 4.94018
Type of gen. func.: ogf

$$- \frac{x^8 - x^7 - 2 x^5 - x^4 - x^3 - 2 x^2 - 1}{(x^2 + 1) (x^2 - x + 1) (x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4}$$

Sequence: A019475
Score: 8.36131
Type of gen. func.: ogf

$$- \frac{2 x^{10} + x^2 - 2}{5 x^{11} - x^{10} + 2 x^3 - x^2 - 5 x + 1}$$

Sequence: A019476
Score: 10.8356
Type of gen. func.: lgdogf

$$- \frac{2 x^4 - 7 x^2 + 2 x + 10}{(x^2 - 2) (2 x^3 - x^2 - 5 x + 1)}$$

Sequence: A019476
Score: 4.57243
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) + a(n + 1) - 2 a(n), a(0) = 2, a(1) = 10, a(2) = 51\}$$

Sequence: A019476
Score: 4.7387
Type of gen. func.: ogf

$$(367 f(x) - 95) (2 f(x) x^3 - f(x) x^2 - 5 f(x) x + x^2 + f(x) - 2)$$

Sequence: A019476
Score: 9.14486
Type of gen. func.: ogf

$$-\frac{x^2 - 2}{2 x^3 - x^2 - 5 x + 1}$$

Sequence: A019477
Score: 10.3053
Type of gen. func.: lgdogf

$$-\frac{6 x^4 - 17 x^2 + 2 x + 15}{(2 x^2 - 3) (3 x^3 - x^2 - 5 x + 1)}$$

Sequence: A019477
Score: 12.4319
Type of gen. func.: ogf

$$-\frac{2 x^2 - 3}{3 x^3 - x^2 - 5 x + 1}$$

Sequence: A019477
Score: 6.21597
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) + a(n + 1) - 3 a(n), a(0) = 3, a(1) = 15, a(2) = 76\}$$

Sequence: A019477
Score: 6.32698
Type of gen. func.: ogf

$$(1397 f(x) - 607) (3 f(x) x^3 - f(x) x^2 - 5 f(x) x + 2 x^2 + f(x) - 3)$$

Sequence: A019478
Score: 10.3053
Type of gen. func.: lgdogf

$$-\frac{6 x^4 - 17 x^2 + 2 x + 15}{(2 x^2 - 3) (3 x^3 - x^2 - 5 x + 1)}$$

Sequence: A019478
Score: 13.6043
Type of gen. func.: ogf

$$-\frac{2 x^2 - 3}{3 x^3 - x^2 - 5 x + 1}$$

Sequence: A019478
Score: 6.80214
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) + a(n + 1) - 3 a(n), a(0) = 3, a(1) = 15, a(2) = 76\}$$

Sequence: A019478
Score: 6.92362
Type of gen. func.: ogf

$$(1397 f(x) - 607) (3 f(x) x^3 - f(x) x^2 - 5 f(x) x + 2 x^2 + f(x) - 3)$$

Sequence: A019479
Score: 10.0344
Type of gen. func.: ogf

$$-\frac{2 x^3 - x^2 + 4 x - 4}{{}^{3}}$$

```
                              (x - 1) (x  + 2 x - 1)
```

Sequence: A019479
Score: 5.47977
Type of gen. func.: ogf

```
-(4 f(x) - 9)

           4         3           2      3               2
    (f(x) x  - f(x) x  + 2 f(x) x  + 2 x  - 3 f(x) x - x  + f(x) + 4 x - 4)
```

Sequence: A019481
Score: 12.4036
Type of gen. func.: ogf

```
                                       2
                                    3 x  - 4
                             - -------------------
                                  3    2
                               2 x  - x  - 3 x + 1
```

Sequence: A019481
Score: 6.20182
Type of gen. func.: ogf

```
  {-a(n + 3) + 3 a(n + 2) + a(n + 1) - 2 a(n), a(0) = 4, a(1) = 12, a(2) = 37}
```

Sequence: A019481
Score: 6.36943
Type of gen. func.: ogf

```
                                3         2                 2
      (647 f(x) - 597) (2 f(x) x  - f(x) x  - 3 f(x) x + 3 x  + f(x) - 4)
```

Sequence: A019482
Score: 10.6231
Type of gen. func.: lgdogf

```
                                 4       2
                             15 x  - 39 x  + 2 x + 28
                       - --------------------------------
                                 2          3    2
                         (3 x  - 4) (5 x  - x  - 7 x + 1)
```

Sequence: A019482
Score: 12.0178
Type of gen. func.: ogf

$$-\frac{3x^2-4}{5x^3-x^2-7x+1}$$

Sequence: A019482
Score: 5.95667
Type of gen. func.: ogf

$$\{-a(n+3)+7a(n+2)+a(n+1)-5a(n),\ a(0)=4,\ a(1)=28,\ a(2)=197\}$$

Sequence: A019482
Score: 6.0621
Type of gen. func.: ogf

$$(8311 f(x)-3733)(5 f(x) x^3 - f(x) x^2 - 7 f(x) x + 3 x^2 + f(x) - 4)$$

Sequence: A019483
Score: 12.0753
Type of gen. func.: lgdogf

$$-\frac{4(180x^2-62x+5)}{(6x-1)(-1+4x)(10x-1)}$$

Sequence: A019483
Score: 13.2131
Type of gen. func.: ogf

$$-\frac{1}{(6x-1)(-1+4x)(10x-1)}$$

Sequence: A019483
Score: 4.62459
Type of gen. func.: ogf

```
{a(n + 3) - 20 a(n + 2) + 124 a(n + 1) - 240 a(n), a(0) = 1, a(1) = 20,

    a(2) = 276}


-------------------------------------------------------------------------------

Sequence:  A019483
Score: 4.78406
Type of gen. func.: ogf

                                      3             2
  (3304651 f(x) - 2054700) (240 f(x) x  - 124 f(x) x  + 20 f(x) x - f(x) + 1)


-------------------------------------------------------------------------------

Sequence:  A019484
Score: 4.72212
Type of gen. func.: ogf

-(4039 f(x) - 6043) (

            4           3           2     3                  2
    6 f(x) x  + 5 f(x) x  - 7 f(x) x  + 7 x  - 6 f(x) x + 7 x  + f(x) - 7 x - 8

    )


-------------------------------------------------------------------------------

Sequence:  A019484
Score: 5.98489
Type of gen. func.: lgdogf

                    6       5       4        3       2
                42 x  + 84 x  - 42 x  - 178 x  - 50 x  + 98 x + 55
            - ------------------------------------------------------
                  3      2                 4      3      2
              (7 x  + 7 x  - 7 x - 8) (6 x  + 5 x  - 7 x  - 6 x + 1)


-------------------------------------------------------------------------------

Sequence:  A019484
Score: 9.01495
Type of gen. func.: ogf

                                 3      2
                              7 x  + 7 x  - 7 x - 8
                         - ----------------------------
                              4      3      2
                           6 x  + 5 x  - 7 x  - 6 x + 1


-------------------------------------------------------------------------------

Sequence:  A019485
Score: 10.4882
Type of gen. func.: ogf
```

$$-\frac{2 x^2 - x - 2}{(x - 1) (3 x^2 + x - 1)}$$

Sequence: A019485
Score: 10.9904
Type of gen. func.: lgdogf

$$-\frac{6 x^4 - 6 x^3 - 12 x^2 + 4 x + 5}{(x - 1) (3 x^2 + x - 1) (2 x^2 - x - 2)}$$

Sequence: A019485
Score: 5.66179
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - 3 a(n), a(0) = 2, a(1) = 5, a(2) = 12\}$$

Sequence: A019485
Score: 6.95914
Type of gen. func.: ogf

$$(73 f(x) - 58) (3 f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + 2 x^2 + f(x) - x - 2)$$

Sequence: A019486
Score: 6.33448
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^4 + 2 x^3 + 3 x^2 + 3 x + 2)}{x^7 + x^6 + x^5 + x^4 - x^2 - 2 x + 1}$$

Sequence: A019487
Score: 4.61759
Type of gen. func.: ogf

$$-(34 f(x) - 13)$$

$$(2 f(x) x^4 - 2 f(x) x^3 + f(x) x^2 + x^3 - 3 f(x) x - x^2 + f(x) - 2)$$

Sequence: A019487
Score: 8.61388
Type of gen. func.: lgdogf

$$-\frac{2 x^6 - 4 x^5 + x^4 - 10 x^3 + 6 x^2 - 2 x + 6}{(x^3 - x^2 - 2) (2 x^4 - 2 x^3 + x^2 - 3 x + 1)}$$

Sequence: A019487
Score: 8.79241
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 - 2}{2 x^4 - 2 x^3 + x^2 - 3 x + 1}$$

Sequence: A019488
Score: 11.2041
Type of gen. func.: lgdogf

$$-\frac{792 x^2 - 268 x + 21}{(6 x - 1) (-1 + 4 x) (11 x - 1)}$$

Sequence: A019488
Score: 12.0074
Type of gen. func.: ogf

$$-\frac{1}{(6 x - 1) (-1 + 4 x) (11 x - 1)}$$

Sequence: A019488
Score: 4.20259
Type of gen. func.: ogf

$\{a(n + 3) - 21 a(n + 2) + 134 a(n + 1) - 264 a(n), a(0) = 1, a(1) = 21,$

$a(2) = 307\}$

Sequence: A019488
Score: 4.23792
Type of gen. func.: ogf

$$(161990071 f(x) - 93174840) (264 f(x) x^3 - 134 f(x) x^2 + 21 f(x) x - f(x) + 1)$$

Sequence: A019489
Score: 10.0344
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 + 2 x - 3}{(x - 1) (x^3 + 2 x - 1)}$$

Sequence: A019489
Score: 5.36561
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 3) + 2 a(n + 2) - a(n + 1) + a(n), a(0) = 3, a(1) = 7,$$
$$a(2) = 16, a(3) = 36\}$$

Sequence: A019489
Score: 5.47977
Type of gen. func.: ogf

$$-(2 f(x) - 3)$$
$$(f(x) x^4 - f(x) x^3 + 2 f(x) x^2 + x^3 - 3 f(x) x - x^2 + f(x) + 2 x - 3)$$

Sequence: A019490
Score: 10.5655
Type of gen. func.: lgdogf

$$-\frac{2 (432 x^2 - 144 x + 11)}{(6 x - 1) (12 x - 1) (-1 + 4 x)}$$

Sequence: A019490
Score: 12.3447
Type of gen. func.: ogf

$$-\frac{1}{(6x-1)(12x-1)(-1+4x)}$$

Sequence: A019490
Score: 4.32064
Type of gen. func.: ogf

$$\{a(n+3)-22a(n+2)+144a(n+1)-288a(n),\ a(0)=1,\ a(1)=22,\ a(2)=340\}$$

Sequence: A019490
Score: 4.84559
Type of gen. func.: ogf

$$(161f(x)-86)(288f(x)x^{3}-144f(x)x^{2}+22f(x)x-f(x)+1)$$

Sequence: A019492
Score: 3.59224
Type of gen. func.: ogf

$$(x^{24}-x^{23}+x^{22}+9x^{21}+2x^{20}-8x^{19}+2x^{5}-x^{4}+x^{3}+2x^{2}-x-4)\Big/(x^{24}-x^{23}-5x^{22}+x^{21}+5x^{20}-2x^{19}-x^{6}+x^{5}-x^{4}-x^{3}+x^{2}+2x-1)$$

Sequence: A019493
Score: 6.77306
Type of gen. func.: lgdogf

$$-\frac{x^{10}-20x^{7}-15x^{6}+12x^{5}+33x^{4}+24x^{3}-27x^{2}-14x+9}{(x^{6}-4x^{3}+3x-1)(x^{5}-7x^{2}-3x+4)}$$

Sequence: A019493
Score: 9.22391
Type of gen. func.: ogf

$$-\frac{x^5 - 7 x^2 - 3 x + 4}{x^6 - 4 x^3 + 3 x - 1}$$

Sequence: A019494
Score: 10.1153
Type of gen. func.: ogf

$$-\frac{3 x^3 - 2 x^2 + 2 x - 4}{(x - 1) (2 x^3 + 2 x - 1)}$$

Sequence: A019494
Score: 5.64402
Type of gen. func.: ogf

$$(18 f(x) - 7) \left(2 f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 + 3 x^3 - 3 f(x) x - 2 x^2 + f(x) + 2 x - 4 \right)$$

Sequence: A019494
Score: 7.42557
Type of gen. func.: lgdogf

$$-\frac{6 x^6 - 8 x^5 + 10 x^4 - 22 x^3 + 13 x^2 - 12 x + 10}{(x - 1) (2 x^3 + 2 x - 1) (3 x^3 - 2 x^2 + 2 x - 4)}$$

Sequence: A019495
Score: 6.87839
Type of gen. func.: ogf

$$-\frac{3 x^5 - 2 x^4 + 2 x^3 - x^2 + x - 4}{{}^{5} \quad {}^{3} \quad {}^{2}}$$

$$(x - 1) (2 x + 2 x + x + 2 x - 1)$$

Sequence: A019496
Score: 4.8414
Type of gen. func.: ogf

$$-(5 f(x) - 9) (2 f(x) x^4 - 3 f(x) x^3 + 3 x^3 + 3 f(x) x - 3 x^2 - f(x) - x + 4)$$

Sequence: A019496
Score: 7.46945
Type of gen. func.: lgdogf

$$-\frac{(x + 1) (6 x^5 - 18 x^4 + 21 x^3 - x^2 - 17 x + 11)}{(2 x^4 - 3 x^3 + 3 x - 1) (3 x^3 - 3 x^2 - x + 4)}$$

Sequence: A019496
Score: 8.63033
Type of gen. func.: ogf

$$-\frac{3 x^3 - 3 x^2 - x + 4}{2 x^4 - 3 x^3 + 3 x - 1}$$

Sequence: A019497
Score: 18.0094
Type of gen. func.: ogf

$$x + 1 - f(x) + f(x)^3 x^2$$

Sequence: A019497
Score: 22.4923
Type of gen. func.: revogf

$$- 1/2 + \frac{(-4 x^3 + 4 x + 1)^{1/2}}{2}$$

Sequence: A019512
Score: 11.6899
Type of gen. func.: lgdogf

$$-\frac{672 x^2 - 232 x + 19}{(8 x - 1) (7 x - 1) (-1 + 4 x)}$$

Sequence: A019512
Score: 12.8002
Type of gen. func.: ogf

$$-\frac{1}{(8 x - 1) (7 x - 1) (-1 + 4 x)}$$

Sequence: A019512
Score: 4.48008
Type of gen. func.: ogf

$$\{a(n + 3) - 19 a(n + 2) + 116 a(n + 1) - 224 a(n), a(0) = 1, a(1) = 19, a(2) = 245\}$$

Sequence: A019512
Score: 4.63456
Type of gen. func.: ogf

$$(2277969 f(x) - 1560944) (224 f(x) x^3 - 116 f(x) x^2 + 19 f(x) x - f(x) + 1)$$

Sequence: A019519
Score: 5.14909
Type of gen. func.: ogf

$$\frac{122130 x^6 - 232110 x^5 + 99000 x^4 + 9900 x^3 + 990 x^2 + 89 x - 1}{(100 x - 1) (x - 1)^2}$$

Sequence: A019520

Score: 5.98160
Type of gen. func.: ogf

$$\frac{2\,(11070\,x^5 - 21060\,x^4 + 9000\,x^3 + 900\,x^2 + 90\,x - 1)}{(100\,x - 1)\,(x - 1)^2}$$

Sequence: A019525
Score: 11.4860
Type of gen. func.: ogf

$$-\frac{4\,x^2 + x - 2}{(x - 1)\,(3\,x^2 + x - 1)}$$

Sequence: A019525
Score: 12.7230
Type of gen. func.: lgdogf

$$-\frac{3\,(2\,x + 1)\,(2\,x^3 - 2\,x + 1)}{(x - 1)\,(3\,x^2 + x - 1)\,(4\,x^2 + x - 2)}$$

Sequence: A019525
Score: 6.09258
Type of gen. func.: ogf

$$-(f(x) - 2)\,(3\,f(x)\,x^3 - 2\,f(x)\,x^2 - 2\,f(x)\,x + 4\,x^2 + f(x) + x - 2)$$

Sequence: A019525
Score: 6.25578
Type of gen. func.: ogf

$$\{a(n + 3) - 2\,a(n + 2) - 2\,a(n + 1) + 3\,a(n),\ a(0) = 2,\ a(1) = 3,\ a(2) = 6\}$$

Sequence: A019526
Score: 10.6922
Type of gen. func.: ogf

$$-\frac{2 x^4 + 3 x^3 + 2 x^2 + 3 x - 4}{(x - 1) (x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A019526
Score: 7.16611
Type of gen. func.: lgdogf

$$-\frac{2 x^8 + 6 x^7 + 6 x^6 + 12 x^5 - 8 x^4 + 4 x^3 - 5 x^2 - 4 x + 5}{(x - 1) (2 x^4 + 3 x^3 + 2 x^2 + 3 x - 4) (x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A019527
Score: 5.33241
Type of gen. func.: ogf

$$-(3 f(x) - 22)$$

$$(f(x) x^4 - f(x) x^3 - x^4 + f(x) x^2 + 4 x^3 - 2 f(x) x - x^2 + f(x) + 4 x - 4)$$

Sequence: A019527
Score: 9.41013
Type of gen. func.: ogf

$$\frac{x^4 - 4 x^3 + x^2 - 4 x + 4}{(x - 1) (x^3 + x - 1)}$$

Sequence: A019528
Score: 4.65789
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + x^8 - x^7 - 9 x^6 - 14 x^5 - 15 x^4 - 7 x^3 + x^2 + 5 x + 5}{x^9 + x^8 + 2 x^7 + x^6 - 2 x^4 - 2 x^3 - x^2 + 1}$$

Sequence: A019545

```
Score: 10.4550
Type of gen. func.: ogf

                                     x (8 x + 1)
                                   - -----------
                                           2
                                     1000 x  - 1


------------------------------------------------------------------------------

Sequence:  A019545
Score: 11.4772
Type of gen. func.: revogf

                                           2             1/2
                            -1 + (4000 x  + 32 x + 1)
                            ---------------------------
                                   16 (1 + 125 x)


------------------------------------------------------------------------------

Sequence:  A019545
Score: 11.7505
Type of gen. func.: lgdogf

                                           2
                               8 (1000 x  + 250 x + 1)
                             - -----------------------
                                                   2
                               (8 x + 1) (1000 x  - 1)


------------------------------------------------------------------------------

Sequence:  A019545
Score: 5.83534
Type of gen. func.: ogf

           {-a(n + 3) + 1000 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 8}


------------------------------------------------------------------------------

Sequence:  A019545
Score: 7.60361
Type of gen. func.: ogf

                                           2      2
                       f(x) (1000 f(x) x  + 8 x  - f(x) + x)


------------------------------------------------------------------------------

Sequence:  A019548
Score: 5.75804
Type of gen. func.: ogf


                 6        5         4         3         2
```

```
        8 (331 x  - 449 x  - 1389 x  + 3551 x  - 1919 x  + 500 x + 125)
        ---------------------------------------------------------------
                                              4
                                       (x - 1)
```

Sequence: A019548
Score: 5.93636
Type of gen. func.: lgdogf

```
              6          5          4          3          2
        662 x  - 2435 x  + 2245 x  + 2005 x  - 6815 x  + 2338 x - 1000
     ----------------------------------------------------------------------
                    6         5          4          3          2
     (x - 1) (331 x  - 449 x  - 1389 x  + 3551 x  - 1919 x  + 500 x + 125)
```

Sequence: A019550
Score: 11.3046
Type of gen. func.: ogf

```
                                      5       4
                              6 (60 x  - 75 x  - 2)
                            - ---------------------
                                               2
                                        (x - 1)
```

Sequence: A019550
Score: 13.1948
Type of gen. func.: lgdogf

```
                                  5        4        3
                           2 (90 x  - 225 x  + 150 x  + 2)
                           -------------------------------
                                          5       4
                             (x - 1) (60 x  - 75 x  - 2)
```

Sequence: A019550
Score: 4.80060
Type of gen. func.: ogf

```
{(n + 3) a(n + 1) + (-n - 2) a(n + 2), a(0) = 12, a(1) = 24, a(2) = 36,

    a(3) = 48, a(4) = 510}
```

Sequence: A019557
Score: 18.1971
Type of gen. func.: ogf

$$\frac{7 x^2 + 10 x + 1}{(x - 1)^2}$$

Sequence: A019557
Score: 19.8670
Type of gen. func.: lgdogf

$$- \frac{12 (2 x + 1)}{(x - 1) (7 x^2 + 10 x + 1)}$$

Sequence: A019557
Score: 9.44848
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 12, a(2) = 30\}$$

Sequence: A019557
Score: 9.92568
Type of gen. func.: ogf

$$-(7 f(x) - 39) (f(x) x^2 - 2 f(x) x - 7 x^2 + f(x) - 10 x - 1)$$

Sequence: A019558
Score: 3.68625
Type of gen. func.: ogf

$$-(320 f(x) + 25741) (f(x) x^4 - 4 f(x) x^3 - x^4 + 6 f(x) x^2 - 140 x^3 - 4 f(x) x - 198 x^2 + f(x) - 44 x - 1)$$

Sequence: A019558
Score: 6.55332
Type of gen. func.: ogf

$$\frac{x^4 + 140 x^3 + 198 x^2 + 44 x + 1}{}$$

$$(x-1)^4$$

Sequence: A019558
Score: 9.60784
Type of gen. func.: lgdogf

$$-\frac{48\,(3x^3+17x^2+11x+1)}{(x-1)\,(x^4+140x^3+198x^2+44x+1)}$$

Sequence: A019559
Score: 12.6687
Type of gen. func.: ogf

$$-\frac{2\,(3x^4+3x^3+3x^2+2x+2)}{(x-1)\,(x^4+x^3+x^2+x+1)}$$

Sequence: A019559
Score: 7.89673
Type of gen. func.: lgdogf

$$-\frac{3x^8+6x^7+9x^6+8x^5+10x^4+12x^3+9x^2+6x+2}{(x-1)\,(x^4+x^3+x^2+x+1)\,(3x^4+3x^3+3x^2+2x+2)}$$

Sequence: A019560
Score: 10.6008
Type of gen. func.: lgdogf

$$-\frac{32\,(x+1)\,(x^2+6x+1)}{(x-1)\,(x^4+28x^3+70x^2+28x+1)}$$

Sequence: A019560
Score: 3.78006
Type of gen. func.: ogf

$$-(35 f(x) + 969) (f(x) x^4 - 4 f(x) x^3 - x^4 + 6 f(x) x^2 - 28 x^3 - 4 f(x) x$$
$$- 70 x^2 + f(x) - 28 x - 1)$$

Sequence: A019560
Score: 3.85467
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 36) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$$
$$a(0) = 1, a(1) = 32\}$$

Sequence: A019560
Score: 6.65807
Type of gen. func.: ogf

$$\frac{x^4 + 28 x^3 + 70 x^2 + 28 x + 1}{(x - 1)^4}$$

Sequence: A019561
Score: 3.77254
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 54) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$$
$$a(0) = 1, a(1) = 50\}$$

Sequence: A019561
Score: 5.26079
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^4 + 44 x^3 + 166 x^2 + 44 x + 1)}{(x - 1)^5}$$

Sequence: A019561
Score: 7.89286

Type of gen. func.: lgdogf

$$-\frac{10\,(x^2+10\,x+5)\,(5\,x^2+10\,x+1)}{(x-1)\,(x+1)\,(x^4+44\,x^3+166\,x^2+44\,x+1)}$$

Sequence: A019562
Score: 5.09526
Type of gen. func.: ogf

$$\{(-2\,n^2-n)\,a(n)+(4\,n^2+8\,n+76)\,a(n+1)+(-2\,n^2-7\,n-6)\,a(n+2),$$

$$a(0)=1,\ a(1)=72\}$$

Sequence: A019562
Score: 6.05062
Type of gen. func.: ogf

$$\frac{(x^2+6\,x+1)\,(x^4+60\,x^3+134\,x^2+60\,x+1)}{(x-1)^6}$$

Sequence: A019562
Score: 6.34746
Type of gen. func.: lgdogf

$$-\frac{24\,(x+3)\,(1+3\,x)\,(x+1)\,(x^2+14\,x+1)}{(x-1)\,(x^2+6\,x+1)\,(x^4+60\,x^3+134\,x^2+60\,x+1)}$$

Sequence: A019563
Score: 3.59611
Type of gen. func.: ogf

$$\{(-2\,n^2-n)\,a(n)+(4\,n^2+8\,n+102)\,a(n+1)+(-2\,n^2-7\,n-6)\,a(n+2),$$

$$a(0)=1,\ a(1)=98\}$$

Sequence: A019563
Score: 3.64374
Type of gen. func.: ogf

$$-\frac{(x+1)(x^6+90x^5+911x^4+2092x^3+911x^2+90x+1)}{(x-1)^7}$$

Sequence: A019563
Score: 5.27295
Type of gen. func.: lgdogf

$$-\frac{14(7x^3+35x^2+21x+1)(x^3+21x^2+35x+7)}{(x-1)(x+1)(x^6+90x^5+911x^4+2092x^3+911x^2+90x+1)}$$

Sequence: A019564
Score: 3.34588
Type of gen. func.: ogf

$$\{(-2n^2-n)a(n)+(4n^2+8n+132)a(n+1)+(-2n^2-7n-6)a(n+2),$$

$$a(0)=1,\ a(1)=128\}$$

Sequence: A019579
Score: 6.79310
Type of gen. func.: ogf

$$-\frac{9x^6-35x^5+41x^4+5x^3-45x^2+35x+2}{(x-1)^5}$$

Sequence: A019579
Score: 7.98826
Type of gen. func.: lgdogf

$$\frac{9x^6-54x^5+134x^4-174x^3+120x^2-50x-45}{(x-1)(9x^6-35x^5+41x^4+5x^3-45x^2+35x+2)}$$

Sequence: A019582
Score: 22.2413
Type of gen. func.: lgdogf

$$-\frac{12 (x^{2} + 3 x + 1)}{(x - 1) (4 x^{2} + 7 x + 1)}$$

Sequence: A019582
Score: 4.20171
Type of gen. func.: ogf

$$\{(-112 n^{2} - 396 n - 344) a(n + 1) + (3 n^{2} - 676 n - 948) a(n + 2)$$
$$+ (109 n^{2} + 188 n + 79) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A019582
Score: 9.03125
Type of gen. func.: ogf

$$-\frac{x^{2} (4 x^{2} + 7 x + 1)}{(x - 1)^{5}}$$

Sequence: A019583
Score: 10.7656
Type of gen. func.: lgdogf

$$-\frac{12 (x + 1) (2 x^{2} + 11 x + 2)}{(x - 1) (8 x^{3} + 33 x^{2} + 18 x + 1)}$$

Sequence: A019583
Score: 5.34409
Type of gen. func.: ogf

$$\frac{x^{2} (8 x^{3} + 33 x^{2} + 18 x + 1)}{}$$

$$(x - 1)^6$$

Sequence: A019584
Score: 10.9963
Type of gen. func.: lgdogf

$$-\frac{6 (x^3 + 11 x^2 + 15 x + 3)}{(x - 1) (2 x^3 + 15 x^2 + 12 x + 1)}$$

Sequence: A019584
Score: 5.24978
Type of gen. func.: ogf

$$\frac{x^2 (2 x^3 + 15 x^2 + 12 x + 1)}{(x - 1)^6}$$

Sequence: A019590
Score: 124.542
Type of gen. func.: lgdogf

$$\frac{1}{x + 1}$$

Sequence: A019590
Score: 17.074
Type of gen. func.: ogf

$$1 + x - f(x)$$

Sequence: A019590
Score: 21.9020
Type of gen. func.: ogf_with_Euler_transform]

$$[1 - x]$$

Sequence: A019590
Score: 41.5138
Type of gen. func.: revegf]

$$\frac{2 x}{1 + (2 x + 1)^{1/2}}$$

Sequence: A019590
Score: 9.21998
Type of gen. func.: ogf

$$\{a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A019613
Score: 11.8128
Type of gen. func.: lgdogf

$$- \frac{2 (378 x^2 - 127 x + 10)}{(-1 + 4 x) (9 x - 1) (7 x - 1)}$$

Sequence: A019613
Score: 13.2131
Type of gen. func.: ogf

$$- \frac{1}{(-1 + 4 x) (9 x - 1) (7 x - 1)}$$

Sequence: A019613
Score: 4.54878
Type of gen. func.: ogf

$$(3853625455 f(x) - 2432647728)$$

$$(252 f(x) x^3 - 127 f(x) x^2 + 20 f(x) x - f(x) + 1)$$

Sequence: A019613
Score: 4.62459
Type of gen. func.: ogf

$$\{a(n + 3) - 20\, a(n + 2) + 127\, a(n + 1) - 252\, a(n),\ a(0) = 1,\ a(1) = 20,\ a(2) = 273\}$$

Sequence: A019618
Score: 12.0753
Type of gen. func.: lgdogf

$$-\frac{3\,(280 x^2 - 92 x + 7)}{(-1 + 4 x)\,(7 x - 1)\,(10 x - 1)}$$

Sequence: A019618
Score: 13.2131
Type of gen. func.: ogf

$$-\frac{1}{(-1 + 4 x)\,(7 x - 1)\,(10 x - 1)}$$

Sequence: A019618
Score: 4.62459
Type of gen. func.: ogf

$$\{a(n + 3) - 21\, a(n + 2) + 138\, a(n + 1) - 280\, a(n),\ a(0) = 1,\ a(1) = 21,\ a(2) = 303\}$$

Sequence: A019618
Score: 4.70298
Type of gen. func.: ogf

$$(63622043\, f(x) - 37053800)\,(280\, f(x)\, x^3 - 138\, f(x)\, x^2 + 21\, f(x)\, x - f(x) + 1)$$

Sequence: A019623
Score: 12.2098
Type of gen. func.: ogf

$$-\frac{1}{(11 x - 1)\,(7 x - 1)\,(-1 + 4 x)}$$

```
------------------------------------------------------------------------------

Sequence:  A019623
Score: 4.20337
Type of gen. func.: ogf


(9337392789 f(x) - 5032630064)

                 3             2
    (308 f(x) x  - 149 f(x) x  + 22 f(x) x - f(x) + 1)



------------------------------------------------------------------------------

Sequence:  A019623
Score: 4.27342
Type of gen. func.: ogf


{a(n + 3) - 22 a(n + 2) + 149 a(n + 1) - 308 a(n), a(0) = 1, a(1) = 22,

    a(2) = 335}



------------------------------------------------------------------------------

Sequence:  A019628
Score: 11.0865
Type of gen. func.: lgdogf


                                            2
                                 1008 x  - 320 x + 23
                          - ------------------------------
                            (12 x - 1) (-1 + 4 x) (7 x - 1)



------------------------------------------------------------------------------

Sequence:  A019628
Score: 12.4122
Type of gen. func.: ogf


                                            1
                          - ------------------------------
                            (12 x - 1) (-1 + 4 x) (7 x - 1)



------------------------------------------------------------------------------

Sequence:  A019628
Score: 4.34426
Type of gen. func.: ogf


{a(n + 3) - 23 a(n + 2) + 160 a(n + 1) - 336 a(n), a(0) = 1, a(1) = 23,

    a(2) = 369}



------------------------------------------------------------------------------

Sequence:  A019628
```

Score: 4.53314
Type of gen. func.: ogf

$$(1688732 f(x) - 845397) (336 f(x) x^3 - 160 f(x) x^2 + 23 f(x) x - f(x) + 1)$$

Sequence: A019664
Score: 12.0753
Type of gen. func.: lgdogf

$$- \frac{864 x^2 - 280 x + 21}{(-1 + 4 x) (9 x - 1) (8 x - 1)}$$

Sequence: A019664
Score: 13.2131
Type of gen. func.: ogf

$$- \frac{1}{(-1 + 4 x) (9 x - 1) (8 x - 1)}$$

Sequence: A019664
Score: 4.62459
Type of gen. func.: ogf

$$\{a(n + 3) - 21 a(n + 2) + 140 a(n + 1) - 288 a(n), a(0) = 1, a(1) = 21, a(2) = 301\}$$

Sequence: A019664
Score: 4.86799
Type of gen. func.: ogf

$$(925817 f(x) - 540432) (288 f(x) x^3 - 140 f(x) x^2 + 21 f(x) x - f(x) + 1)$$

Sequence: A019671
Score: 11.3206
Type of gen. func.: lgdogf

$$- \frac{2 (480 x^2 - 152 x + 11)}{}$$

$$(-1 + 4 x) (8 x - 1) (10 x - 1)$$

Sequence: A019671
Score: 13.2131
Type of gen. func.: ogf

$$-\frac{1}{(-1 + 4 x) (8 x - 1) (10 x - 1)}$$

Sequence: A019671
Score: 4.62459
Type of gen. func.: ogf

$$\{a(n + 3) - 22 a(n + 2) + 152 a(n + 1) - 320 a(n), a(0) = 1, a(1) = 22, a(2) = 332\}$$

Sequence: A019671
Score: 4.86799
Type of gen. func.: ogf

$$(320439 f(x) - 172600) (320 f(x) x^3 - 152 f(x) x^2 + 22 f(x) x - f(x) + 1)$$

Sequence: A019672
Score: 11.2699
Type of gen. func.: lgdogf

$$-\frac{1056 x^2 - 328 x + 23}{(11 x - 1) (8 x - 1) (-1 + 4 x)}$$

Sequence: A019672
Score: 12.3447
Type of gen. func.: ogf

$$-\frac{1}{(11 x - 1) (8 x - 1) (-1 + 4 x)}$$

Sequence: A019672
Score: 4.32064
Type of gen. func.: ogf

$$\{a(n+3) - 23\,a(n+2) + 164\,a(n+1) - 352\,a(n),\ a(0) = 1,\ a(1) = 23,\ a(2) = 365\}$$

Sequence: A019672
Score: 4.43144
Type of gen. func.: ogf

$$(15656541\,f(x) - 7804016)\,(352\,f(x)\,x^{3} - 164\,f(x)\,x^{2} + 23\,f(x)\,x - f(x) + 1)$$

Sequence: A019677
Score: 14.5259
Type of gen. func.: lgdogf

$$-\frac{8\,(144\,x^{2} - 44\,x + 3)}{(8\,x - 1)\,(12\,x - 1)\,(-1 + 4\,x)}$$

Sequence: A019677
Score: 15.8439
Type of gen. func.: ogf

$$-\frac{1}{(8\,x - 1)\,(12\,x - 1)\,(-1 + 4\,x)}$$

Sequence: A019677
Score: 5.54536
Type of gen. func.: ogf

$$\{a(n+3) - 24\,a(n+2) + 176\,a(n+1) - 384\,a(n),\ a(0) = 1,\ a(1) = 24,\ a(2) = 400\}$$

Sequence: A019677
Score: 5.94146
Type of gen. func.: ogf

$$3 \qquad\qquad 2$$

$(22631 f(x) - 10476) (384 f(x) x - 176 f(x) x + 24 f(x) x - f(x) + 1)$

Sequence: A019682
Score: 17.4038
Type of gen. func.: ogf

$$-\frac{1}{(-1 + 4 x) (9 x - 1) (10 x - 1)}$$

Sequence: A019682
Score: 6.09132
Type of gen. func.: ogf

{a(n + 3) - 23 a(n + 2) + 166 a(n + 1) - 360 a(n), a(0) = 1, a(1) = 23,

a(2) = 363}

Sequence: A019682
Score: 6.19457
Type of gen. func.: ogf

$$(77045969 f(x) - 38248200) (360 f(x) x^3 - 166 f(x) x^2 + 23 f(x) x - f(x) + 1)$$

Sequence: A019687
Score: 13.8451
Type of gen. func.: lgdogf

$$-\frac{2 (594 x^2 - 179 x + 12)}{(9 x - 1) (-1 + 4 x) (11 x - 1)}$$

Sequence: A019687
Score: 15.7738
Type of gen. func.: ogf

$$-\frac{1}{(9 x - 1) (-1 + 4 x) (11 x - 1)}$$

Sequence: A019687
Score: 5.34273
Type of gen. func.: ogf

$$(26329285907 f(x) - 12092865840)$$

$$(396 f(x) x^3 - 179 f(x) x^2 + 24 f(x) x - f(x) + 1)$$

Sequence: A019687
Score: 5.52082
Type of gen. func.: ogf

$$\{a(n + 3) - 24 a(n + 2) + 179 a(n + 1) - 396 a(n), a(0) = 1, a(1) = 24, a(2) = 397\}$$

Sequence: A019722
Score: 11.2097
Type of gen. func.: lgdogf

$$- \frac{1296 x^2 - 384 x + 25}{(12 x - 1) (-1 + 4 x) (9 x - 1)}$$

Sequence: A019722
Score: 12.5471
Type of gen. func.: ogf

$$- \frac{1}{(12 x - 1) (-1 + 4 x) (9 x - 1)}$$

Sequence: A019722
Score: 4.39148
Type of gen. func.: ogf

$$\{a(n + 3) - 25 a(n + 2) + 192 a(n + 1) - 432 a(n), a(0) = 1, a(1) = 25, a(2) = 433\}$$

Sequence: A019722
Score: 4.74755
Type of gen. func.: ogf

$$(19565 f(x) - 8343) (432 f(x) x^3 - 192 f(x) x^2 + 25 f(x) x - f(x) + 1)$$

Sequence: A019742
Score: 10.6836
Type of gen. func.: lgdogf

$$- \frac{1320 x^2 - 388 x + 25}{(10 x - 1) (-1 + 4 x) (11 x - 1)}$$

Sequence: A019742
Score: 12.4796
Type of gen. func.: ogf

$$- \frac{1}{(10 x - 1) (-1 + 4 x) (11 x - 1)}$$

Sequence: A019742
Score: 4.33177
Type of gen. func.: ogf

$$(1298618157 f(x) - 549993400)$$

$$(440 f(x) x^3 - 194 f(x) x^2 + 25 f(x) x - f(x) + 1)$$

Sequence: A019742
Score: 4.36787
Type of gen. func.: ogf

$$\{a(n + 3) - 25 a(n + 2) + 194 a(n + 1) - 440 a(n), a(0) = 1, a(1) = 25,$$

$$a(2) = 431\}$$

Sequence: A019747
Score: 12.7495
Type of gen. func.: ogf

$$- \frac{1}{(12 x - 1) (-1 + 4 x) (10 x - 1)}$$

Sequence: A019747
Score: 4.46231
Type of gen. func.: ogf

$\{a(n + 3) - 26 a(n + 2) + 208 a(n + 1) - 480 a(n), a(0) = 1, a(1) = 26, a(2) = 468\}$

Sequence: A019747
Score: 4.82412
Type of gen. func.: ogf

$$(10303 f(x) - 4050) (480 f(x) x^3 - 208 f(x) x^2 + 26 f(x) x - f(x) + 1)$$

Sequence: A019752
Score: 10.0657
Type of gen. func.: lgdogf

$$- \frac{1584 x^2 - 448 x + 27}{(11 x - 1) (12 x - 1) (-1 + 4 x)}$$

Sequence: A019752
Score: 16.4047
Type of gen. func.: ogf

$$- \frac{1}{(11 x - 1) (12 x - 1) (-1 + 4 x)}$$

Sequence: A019752
Score: 5.74166
Type of gen. func.: ogf

$\{a(n + 3) - 27 a(n + 2) + 224 a(n + 1) - 528 a(n), a(0) = 1, a(1) = 27, a(2) = 505\}$

Sequence: A019752
Score: 5.88888

Type of gen. func.: ogf

$$(11428402 f(x) - 4152357) (528 f(x) x^3 - 224 f(x) x^2 + 27 f(x) x - f(x) + 1)$$

Sequence: A019757
Score: 12.9154
Type of gen. func.: lgdogf

$$-\frac{2 (315 x^2 - 107 x + 9)}{(6 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A019757
Score: 18.9142
Type of gen. func.: ogf

$$-\frac{1}{(6 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A019757
Score: 6.51146
Type of gen. func.: ogf

$$(1270750247 f(x) - 1181306700)$$

$$(210 f(x) x^3 - 107 f(x) x^2 + 18 f(x) x - f(x) + 1)$$

Sequence: A019757
Score: 6.61998
Type of gen. func.: ogf

$$\{a(n + 3) - 18 a(n + 2) + 107 a(n + 1) - 210 a(n), a(0) = 1, a(1) = 18,$$

$$a(2) = 217\}$$

Sequence: A019783
Score: 12.1664
Type of gen. func.: lgdogf

$$720 x^2 - 236 x + 19$$

$$-\frac{}{(6 x - 1) (8 x - 1) (5 x - 1)}$$

Sequence: A019783
Score: 12.7314
Type of gen. func.: ogf

$$-\frac{1}{(6 x - 1) (8 x - 1) (5 x - 1)}$$

Sequence: A019783
Score: 4.45598
Type of gen. func.: ogf

$\{a(n + 3) - 19 a(n + 2) + 118 a(n + 1) - 240 a(n), a(0) = 1, a(1) = 19,$

$a(2) = 243\}$

Sequence: A019783
Score: 4.53152
Type of gen. func.: ogf

$$(67198859 f(x) - 58773600) (240 f(x) x^3 - 118 f(x) x^2 + 19 f(x) x - f(x) + 1)$$

Sequence: A019793
Score: 12.3498
Type of gen. func.: lgdogf

$$-\frac{2 (15 x - 2) (27 x - 5)}{(6 x - 1) (9 x - 1) (5 x - 1)}$$

Sequence: A019793
Score: 13.2131
Type of gen. func.: ogf

$$-\frac{1}{(6 x - 1) (9 x - 1) (5 x - 1)}$$

Sequence: A019793
Score: 4.62459
Type of gen. func.: ogf

$$\{a(n + 3) - 20 a(n + 2) + 129 a(n + 1) - 270 a(n), a(0) = 1, a(1) = 20, a(2) = 271\}$$

Sequence: A019793
Score: 4.78406
Type of gen. func.: ogf

$$(2052649 f(x) - 1676700) (270 f(x) x^3 - 129 f(x) x^2 + 20 f(x) x - f(x) + 1)$$

Sequence: A019839
Score: 15.5914
Type of gen. func.: lgdogf

$$- \frac{900 x^2 - 280 x + 21}{(6 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A019839
Score: 16.6192
Type of gen. func.: ogf

$$- \frac{1}{(6 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A019839
Score: 5.81671
Type of gen. func.: ogf

$$\{a(n + 3) - 21 a(n + 2) + 140 a(n + 1) - 300 a(n), a(0) = 1, a(1) = 21, a(2) = 301\}$$

Sequence: A019839
Score: 6.34551
Type of gen. func.: ogf

3 2

$$(3901 f(x) - 2970) (300 f(x) x - 140 f(x) x + 21 f(x) x - f(x) + 1)$$

Sequence: A019854
Score: 15.5648
Type of gen. func.: lgdogf

$$-\frac{2 (495 x^2 - 151 x + 11)}{(6 x - 1) (5 x - 1) (11 x - 1)}$$

Sequence: A019854
Score: 17.3324
Type of gen. func.: ogf

$$-\frac{1}{(6 x - 1) (5 x - 1) (11 x - 1)}$$

Sequence: A019854
Score: 5.96691
Type of gen. func.: ogf

$$(8263830211 f(x) - 5867858700)$$

$$(330 f(x) x^3 - 151 f(x) x^2 + 22 f(x) x - f(x) + 1)$$

Sequence: A019854
Score: 6.06635
Type of gen. func.: ogf

$\{a(n + 3) - 22 a(n + 2) + 151 a(n + 1) - 330 a(n), a(0) = 1, a(1) = 22,$

$a(2) = 333\}$

Sequence: A019869
Score: 11.3328
Type of gen. func.: lgdogf

$$-\frac{1080 x^2 - 324 x + 23}{(12 x - 1) (6 x - 1) (5 x - 1)}$$

Sequence: A019869
Score: 12.4122
Type of gen. func.: ogf

$$-\frac{1}{(12x-1)(6x-1)(5x-1)}$$

Sequence: A019869
Score: 4.34426
Type of gen. func.: ogf

$$\{a(n+3)-23a(n+2)+162a(n+1)-360a(n),\ a(0)=1,\ a(1)=23,\ a(2)=367\}$$

Sequence: A019869
Score: 4.57291
Type of gen. func.: ogf

$$(520549 f(x)-345400)(360 f(x) x^3-162 f(x) x^2+23 f(x) x-f(x)+1)$$

Sequence: A019928
Score: 11.7542
Type of gen. func.: lgdogf

$$-\frac{2(15x-2)(28x-5)}{(8x-1)(7x-1)(5x-1)}$$

Sequence: A019928
Score: 12.8690
Type of gen. func.: ogf

$$-\frac{1}{(8x-1)(7x-1)(5x-1)}$$

Sequence: A019928
Score: 4.43032
Type of gen. func.: ogf

$$(3704918451 f(x) - 3158187200)$$

$$(280 f(x) x^3 - 131 f(x) x^2 + 20 f(x) x - f(x) + 1)$$

Sequence: A019928
Score: 4.50416
Type of gen. func.: ogf

$\{a(n + 3) - 20 a(n + 2) + 131 a(n + 1) - 280 a(n), a(0) = 1, a(1) = 20,$

$a(2) = 269\}$

Sequence: A019943
Score: 15.9540
Type of gen. func.: lgdogf

$$-\frac{945 x^2 - 286 x + 21}{(9 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A019943
Score: 16.6192
Type of gen. func.: ogf

$$-\frac{1}{(9 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A019943
Score: 5.72136
Type of gen. func.: ogf

$$(5969279573 f(x) - 4774409325)$$

$$(315 f(x) x^3 - 143 f(x) x^2 + 21 f(x) x - f(x) + 1)$$

Sequence: A019943
Score: 5.81671
Type of gen. func.: ogf

$\{a(n + 3) - 21 a(n + 2) + 143 a(n + 1) - 315 a(n), a(0) = 1, a(1) = 21,$

a(2) = 298}

Sequence: A019958
Score: 11.8128
Type of gen. func.: lgdogf

$$-\frac{2\,(525\,x^2 - 155\,x + 11)}{(7\,x - 1)\,(5\,x - 1)\,(10\,x - 1)}$$

Sequence: A019958
Score: 13.2131
Type of gen. func.: ogf

$$-\frac{1}{(7\,x - 1)\,(5\,x - 1)\,(10\,x - 1)}$$

Sequence: A019958
Score: 4.62459
Type of gen. func.: ogf

{a(n + 3) - 22 a(n + 2) + 155 a(n + 1) - 350 a(n), a(0) = 1, a(1) = 22,

a(2) = 329}

Sequence: A019958
Score: 4.78406
Type of gen. func.: ogf

$$(2970651\,f(x) - 2221660)\,(350\,f(x)\,x^3 - 155\,f(x)\,x^2 + 22\,f(x)\,x - f(x) + 1)$$

Sequence: A019992
Score: 11.5146
Type of gen. func.: lgdogf

$$-\frac{x^8 + 2\,x^6 - 2\,x^5 - 12\,x^4 - 6\,x^3 - 10\,x^2 + 8\,x + 21}{(x^5 + x^3 - x^2 - 4\,x + 1)\,(x^4 + x^2 - x - 5)}$$

Sequence: A019992
Score: 11.9849
Type of gen. func.: ogf

$$-\frac{x^4 + x^2 - x - 5}{x^5 + x^3 - x^2 - 4 x + 1}$$

Sequence: A019999
Score: 2.91683
Type of gen. func.: ogf

$$\{(-2 n^2 - 12 n - 16) a(n + 1) + (2 n^2 + 19 n + 39) a(n + 2) + (-n - 3) a(n + 3)$$

$$, a(0) = 4, a(1) = 36, a(2) = 384\}$$

Sequence: A019999
Score: 20.5634
Type of gen. func.: lgdegf]

$$-\frac{3 (3 + 2 x)}{(x + 1) (2 x - 1)}$$

Sequence: A019999
Score: 3.82281
Type of gen. func.: egf]

$$(16983 f(x) + 78220)$$

$$(16 f(x) x^4 - 32 f(x) x^3 + 24 f(x) x^2 - 8 f(x) x + f(x) - 4 x - 4)$$

Sequence: A019999
Score: 7.88455
Type of gen. func.: egf]

$$\frac{4 (x + 1)}{(2 x - 1)^4}$$

Sequence: A020000
Score: 11.2069
Type of gen. func.: lgdogf

$$-\frac{1155 x^2 - 334 x + 23}{(7 x - 1) (5 x - 1) (11 x - 1)}$$

Sequence: A020000
Score: 12.2772
Type of gen. func.: ogf

$$-\frac{1}{(7 x - 1) (5 x - 1) (11 x - 1)}$$

Sequence: A020000
Score: 4.19223
Type of gen. func.: ogf

$(13985045997 f(x) - 9776476325)$

$(385 f(x) x^3 - 167 f(x) x^2 + 23 f(x) x - f(x) + 1)$

Sequence: A020000
Score: 4.29703
Type of gen. func.: ogf

$\{a(n + 3) - 23 a(n + 2) + 167 a(n + 1) - 385 a(n), a(0) = 1, a(1) = 23,$

$a(2) = 362\}$

Sequence: A020332
Score: 10.0206
Type of gen. func.: ogf

$$-\frac{720 x^{16} - 768 x^{15} + 36 x^4 - 48 x^3 - 5}{(x - 1)^2}$$

Sequence: A020332

Score: 8.04401
Type of gen. func.: lgdogf

$$\frac{2\,(5040\,x^{16} - 10752\,x^{15} + 5760\,x^{14} + 36\,x^{4} - 96\,x^{3} + 72\,x^{2} + 5)}{(x - 1)\,(720\,x^{16} - 768\,x^{15} + 36\,x^{4} - 48\,x^{3} - 5)}$$

Sequence: A020335
Score: 13.3809
Type of gen. func.: ogf

$$-\frac{2\,(126\,x^{7} - 147\,x^{6} - 4)}{(x - 1)^{2}}$$

Sequence: A020335
Score: 14.5606
Type of gen. func.: lgdogf

$$\frac{2\,(315\,x^{7} - 735\,x^{6} + 441\,x^{5} + 4)}{(x - 1)\,(126\,x^{7} - 147\,x^{6} - 4)}$$

Sequence: A020335
Score: 4.77329
Type of gen. func.: ogf

$\{(n + 3)\, a(n + 1) + (-n - 2)\, a(n + 2),\ a(0) = 8,\ a(1) = 16,\ a(2) = 24,$

$a(3) = 32,\ a(4) = 40,\ a(5) = 48,\ a(6) = 350\}$

Sequence: A020336
Score: 13.5702
Type of gen. func.: ogf

$$-\frac{392\,x^{8} - 448\,x^{7} - 9}{(x - 1)^{2}}$$

Sequence: A020336
Score: 14.0066
Type of gen. func.: lgdogf

$$\frac{2 (1176 x^{8} - 2688 x^{7} + 1568 x^{6} + 9)}{(x - 1) (392 x^{8} - 448 x^{7} - 9)}$$

Sequence: A020336
Score: 4.49882
Type of gen. func.: ogf

{(n + 3) a(n + 1) + (-n - 2) a(n + 2), a(0) = 9, a(1) = 18, a(2) = 27,

a(3) = 36, a(4) = 45, a(5) = 54, a(6) = 63, a(7) = 520}

Sequence: A020337
Score: 13.1532
Type of gen. func.: ogf

$$-\frac{2 (288 x^{9} - 324 x^{8} - 5)}{(x - 1)^{2}}$$

Sequence: A020337
Score: 13.7963
Type of gen. func.: lgdogf

$$\frac{2 (1008 x^{9} - 2268 x^{8} + 1296 x^{7} + 5)}{(x - 1) (288 x^{9} - 324 x^{8} - 5)}$$

Sequence: A020337
Score: 4.11869
Type of gen. func.: ogf

{(n + 3) a(n + 1) + (-n - 2) a(n + 2), a(0) = 10, a(1) = 20, a(2) = 30,

a(3) = 40, a(4) = 50, a(5) = 60, a(6) = 70, a(7) = 80, a(8) = 738}

Sequence: A020338
Score: 13.0297
Type of gen. func.: lgdogf

$$\frac{2 (3240 x^{10} - 7200 x^{9} + 4050 x^{8} + 11)}{(x - 1) (810 x^{10} - 900 x^{9} - 11)}$$

Sequence: A020338
Score: 13.0660
Type of gen. func.: ogf

$$- \frac{810 x^{10} - 900 x^{9} - 11}{(x - 1)^{2}}$$

Sequence: A020341
Score: 11.0865
Type of gen. func.: lgdogf

$$- \frac{2 (630 x^{2} - 179 x + 12)}{(12 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A020341
Score: 12.4122
Type of gen. func.: ogf

$$- \frac{1}{(12 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A020341
Score: 4.20412
Type of gen. func.: ogf

$(20479638419 f(x) - 13399873200)$

$(420 f(x) x^{3} - 179 f(x) x^{2} + 24 f(x) x - f(x) + 1)$

Sequence: A020341
Score: 4.34426
Type of gen. func.: ogf

{a(n + 3) - 24 a(n + 2) + 179 a(n + 1) - 420 a(n), a(0) = 1, a(1) = 24,

a(2) = 397}

Sequence: A020343
Score: 11.8128
Type of gen. func.: lgdogf

$$-\frac{2\,(540\,x^2 - 157\,x + 11)}{(9\,x - 1)\,(8\,x - 1)\,(5\,x - 1)}$$

Sequence: A020343
Score: 13.2131
Type of gen. func.: ogf

$$-\frac{1}{(9\,x - 1)\,(8\,x - 1)\,(5\,x - 1)}$$

Sequence: A020343
Score: 4.54878
Type of gen. func.: ogf

$(1409369131\, f(x) - 1075809600)$

$(360\, f(x)\, x^3 - 157\, f(x)\, x^2 + 22\, f(x)\, x - f(x) + 1)$

Sequence: A020343
Score: 4.62459
Type of gen. func.: ogf

{a(n + 3) - 22 a(n + 2) + 157 a(n + 1) - 360 a(n), a(0) = 1, a(1) = 22,

a(2) = 327}

Sequence: A020346
Score: 11.8128
Type of gen. func.: lgdogf

$$-\frac{1200 x^2 - 340 x + 23}{(8 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A020346
Score: 13.2131
Type of gen. func.: ogf

$$-\frac{1}{(8 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A020346
Score: 4.62459
Type of gen. func.: ogf

$\{a(n + 3) - 23 a(n + 2) + 170 a(n + 1) - 400 a(n), a(0) = 1, a(1) = 23,$

$a(2) = 359\}$

Sequence: A020346
Score: 4.86799
Type of gen. func.: ogf

$$(152817 f(x) - 109280) (400 f(x) x^3 - 170 f(x) x^2 + 23 f(x) x - f(x) + 1)$$

Sequence: A020447
Score: 11.5904
Type of gen. func.: lgdogf

$$-\frac{6 (220 x^2 - 61 x + 4)}{(5 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A020447
Score: 12.4122
Type of gen. func.: ogf

$$-\frac{1}{(5 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A020447
Score: 4.27304
Type of gen. func.: ogf

$$(7650718621 f(x) - 5120526400)$$

$$(440 f(x) x^3 - 183 f(x) x^2 + 24 f(x) x - f(x) + 1)$$

Sequence: A020447
Score: 4.34426
Type of gen. func.: ogf

$$\{a(n + 3) - 24 a(n + 2) + 183 a(n + 1) - 440 a(n), a(0) = 1, a(1) = 24, a(2) = 393\}$$

Sequence: A020448
Score: 11.3958
Type of gen. func.: lgdogf

$$- \frac{1440 x^2 - 392 x + 25}{(12 x - 1) (8 x - 1) (5 x - 1)}$$

Sequence: A020448
Score: 12.4796
Type of gen. func.: ogf

$$- \frac{1}{(12 x - 1) (8 x - 1) (5 x - 1)}$$

Sequence: A020448
Score: 4.36787
Type of gen. func.: ogf

$$\{a(n + 3) - 25 a(n + 2) + 196 a(n + 1) - 480 a(n), a(0) = 1, a(1) = 25, a(2) = 429\}$$

Sequence: A020448
Score: 4.4419
Type of gen. func.: ogf

$$(32746549 f(x) - 20530800) (480 f(x) x^{3} - 196 f(x) x^{2} + 25 f(x) x - f(x) + 1)$$

Sequence: A020494
Score: 11.0249
Type of gen. func.: lgdogf

$$- \frac{2 (675 x^{2} - 185 x + 12)}{(9 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A020494
Score: 12.3447
Type of gen. func.: ogf

$$- \frac{1}{(9 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A020494
Score: 4.32064
Type of gen. func.: ogf

$$\{a(n + 3) - 24 a(n + 2) + 185 a(n + 1) - 450 a(n), a(0) = 1, a(1) = 24, a(2) = 391\}$$

Sequence: A020494
Score: 4.46964
Type of gen. func.: ogf

$$(7784497 f(x) - 5253660) (450 f(x) x^{3} - 185 f(x) x^{2} + 24 f(x) x - f(x) + 1)$$

Sequence: A020499
Score: 11.3958
Type of gen. func.: lgdogf

^{2}

```
                1485 x  - 398 x + 25
       - -------------------------------
         (9 x - 1) (5 x - 1) (11 x - 1)
```

Sequence: A020499
Score: 12.4796
Type of gen. func.: ogf

```
                      1
       - -------------------------------
         (9 x - 1) (5 x - 1) (11 x - 1)
```

Sequence: A020499
Score: 4.22697
Type of gen. func.: ogf

```
(36460239949 f(x) - 23045336325)

               3              2
    (495 f(x) x  - 199 f(x) x  + 25 f(x) x - f(x) + 1)
```

Sequence: A020499
Score: 4.36787
Type of gen. func.: ogf

```
{a(n + 3) - 25 a(n + 2) + 199 a(n + 1) - 495 a(n), a(0) = 1, a(1) = 25,

    a(2) = 426}
```

Sequence: A020514
Score: 6.11931
Type of gen. func.: ogf

```
                 4         3        2
           1984 x  - 2480 x  + 930 x  - 124 x + 5
   - ------------------------------------------------
     (x - 1) (-1 + 4 x) (2 x - 1) (8 x - 1) (16 x - 1)
```

Sequence: A020515
Score: 4.28881
Type of gen. func.: ogf

```
                           3             2                  2
  (63 f(x) - 107) (8 f(x) x  - 14 f(x) x  + 7 f(x) x + 6 x  - f(x) - 4 x + 1)
```

Sequence: A020515
Score: 4.32642
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 3, a(2) = 13\}$$

Sequence: A020515
Score: 7.17961
Type of gen. func.: lgdogf

$$- \frac{48 x^4 - 64 x^3 + 38 x^2 - 16 x + 3}{(x - 1) (2 x - 1) (-1 + 4 x) (6 x^2 - 4 x + 1)}$$

Sequence: A020515
Score: 7.95503
Type of gen. func.: ogf

$$- \frac{6 x^2 - 4 x + 1}{(2 x - 1) (-1 + 4 x) (x - 1)}$$

Sequence: A020517
Score: 5.26577
Type of gen. func.: ogf

$$(252801 f(x) - 65633)$$

$$(512 f(x) x^3 - 584 f(x) x^2 + 73 f(x) x + 584 x^2 - f(x) - 146 x + 3)$$

Sequence: A020517
Score: 5.61393
Type of gen. func.: ogf

$$\{-a(n + 3) + 73 a(n + 2) - 584 a(n + 1) + 512 a(n), a(0) = 3, a(1) = 73,$$

$$a(2) = 4161\}$$

Sequence: A020517

Score: 9.70407
Type of gen. func.: ogf

$$-\frac{584 x^2 - 146 x + 3}{(x - 1) (8 x - 1) (64 x - 1)}$$

Sequence: A020518
Score: 6.28322
Type of gen. func.: ogf

$$-\frac{704 x^4 - 544 x^3 + 174 x^2 - 20 x + 1}{(x - 1) (-1 + 4 x) (2 x - 1) (8 x - 1) (16 x - 1)}$$

Sequence: A020520
Score: 10.8265
Type of gen. func.: ogf

$$-\frac{52 x^2 - 8 x + 1}{(x - 1) (-1 + 4 x) (16 x - 1)}$$

Sequence: A020520
Score: 5.72131
Type of gen. func.: ogf

$(71925 f(x) - 35501)$

$(64 f(x) x^3 - 84 f(x) x^2 + 21 f(x) x + 52 x^2 - f(x) - 8 x + 1)$

Sequence: A020520
Score: 5.96374
Type of gen. func.: ogf

$\{a(n + 3) - 21 a(n + 2) + 84 a(n + 1) - 64 a(n), a(0) = 1, a(1) = 13,$

$a(2) = 241\}$

Sequence: A020520
Score: 6.24757
Type of gen. func.: lgdogf

$$-\frac{3328 x^4 - 1024 x^3 - 228 x^2 - 64 x + 13}{(x - 1) (-1 + 4 x) (16 x - 1) (52 x^2 - 8 x + 1)}$$

Sequence: A020522
Score: 12.0571
Type of gen. func.: ogf

$$-8 f(x) x^2 + 6 f(x) x - f(x) + 2 x$$

Sequence: A020522
Score: 19.2263
Type of gen. func.: ogf

$$\frac{2 x}{(-1 + 4 x) (2 x - 1)}$$

Sequence: A020522
Score: 21.2641
Type of gen. func.: revogf

$$-\frac{-1 - 3 x + (x^2 + 6 x + 1)^{1/2}}{8 x}$$

Sequence: A020522
Score: 24.1971
Type of gen. func.: lgdogf

$$-\frac{2 (-3 + 8 x)}{(-1 + 4 x) (2 x - 1)}$$

Sequence: A020522
Score: 8.78237
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 8 a(n), a(0) = 0, a(1) = 2\}$$

Sequence: A020523
Score: 11.3522
Type of gen. func.: ogf

$$-\frac{22 x - 1}{(x - 1) (8 x - 1) (-1 + 4 x)}$$

Sequence: A020523
Score: 5.34775
Type of gen. func.: ogf

$$(12276159 f(x) - 14234072)$$

$$(32 f(x) x^3 - 44 f(x) x^2 + 13 f(x) x - f(x) + 22 x - 1)$$

Sequence: A020523
Score: 5.53058
Type of gen. func.: ogf

{a(n + 3) - 13 a(n + 2) + 44 a(n + 1) - 32 a(n), a(0) = -1, a(1) = 9,

a(2) = 161}

Sequence: A020523
Score: 9.52036
Type of gen. func.: lgdogf

$$-\frac{1408 x^3 - 1064 x^2 + 88 x + 9}{(x - 1) (8 x - 1) (22 x - 1) (-1 + 4 x)}$$

Sequence: A020524
Score: 11.0300
Type of gen. func.: ogf

$$-\frac{2 x (40 x + 1)}{(16 x - 1) (8 x - 1) (2 x - 1)}$$

Sequence: A020524
Score: 5.88888
Type of gen. func.: ogf

$$\{a(n+3) - 26\,a(n+2) + 176\,a(n+1) - 256\,a(n),\ a(0) = 0,\ a(1) = 2,\ a(2) = 132\}$$

Sequence: A020524
Score: 6.09551
Type of gen. func.: ogf

$$(33\,f(x) + 1)\,(256\,f(x)\,x^{3} - 176\,f(x)\,x^{2} + 26\,f(x)\,x + 80\,x^{2} - f(x) + 2\,x)$$

Sequence: A020524
Score: 7.01549
Type of gen. func.: lgdogf

$$-\frac{2\,(10240\,x^{3} - 3136\,x^{2} - 176\,x + 33)}{(40\,x + 1)\,(2\,x - 1)\,(8\,x - 1)\,(16\,x - 1)}$$

Sequence: A020525
Score: 3.40865
Type of gen. func.: ogf

$$(202529319298695\,f(x) + 248754775377068)\,(2048\,f(x)\,x^{4} - 2752\,f(x)\,x^{3} + 756\,f(x)\,x^{2} - 53\,f(x)\,x - 1444\,x^{2} + f(x) + 50\,x - 1)$$

Sequence: A020525
Score: 7.06672
Type of gen. func.: ogf

$$\frac{1444\,x^{2} - 50\,x + 1}{(x - 1)\,(-1 + 4\,x)\,(16\,x - 1)\,(32\,x - 1)}$$

Sequence: A020526
Score: 3.64656
Type of gen. func.: ogf

$$-(93985236095275 f(x) + 149055611562757) (32768 f(x) x^4 - 22016 f(x) x^3 + 3024 f(x) x^2 - 31232 x^3 - 106 f(x) x - 1120 x^2 + f(x) - 2 x)$$

Sequence: A020526
Score: 7.21470
Type of gen. func.: ogf

$$\frac{2 x (15616 x^2 + 560 x + 1)}{(64 x - 1) (2 x - 1) (8 x - 1) (32 x - 1)}$$

Sequence: A020527
Score: 4.49067
Type of gen. func.: ogf

$$(13503 f(x) - 23062) (8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x - 4 x^2 - f(x) + 6 x + 1)$$

Sequence: A020527
Score: 4.68591
Type of gen. func.: ogf

$\{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 13, a(2) = 73\}$

Sequence: A020527
Score: 7.74562
Type of gen. func.: lgdogf

$$- \frac{32 x^4 - 96 x^3 + 32 x^2 + 36 x - 13}{(x - 1) (2 x - 1) (-1 + 4 x) (4 x^2 - 6 x - 1)}$$

Sequence: A020527
Score: 8.69161
Type of gen. func.: ogf

$$\frac{4 x^2 - 6 x - 1}{(2 x - 1) (-1 + 4 x) (x - 1)}$$

Sequence: A020528
Score: 10.7357
Type of gen. func.: ogf

$$- \frac{18 x}{(8 x - 1) (2 x - 1) (-1 + 4 x)}$$

Sequence: A020528
Score: 12.3185
Type of gen. func.: lgdogf

$$- \frac{2 (96 x^2 - 56 x + 7)}{(8 x - 1) (2 x - 1) (-1 + 4 x)}$$

Sequence: A020528
Score: 4.49613
Type of gen. func.: ogf

{a(n + 3) - 14 a(n + 2) + 56 a(n + 1) - 64 a(n), a(0) = 0, a(1) = 18,

a(2) = 252}

Sequence: A020528
Score: 6.49442
Type of gen. func.: ogf

$$64 f(x) x^3 - 56 f(x) x^2 + 14 f(x) x - f(x) + 18 x$$

Sequence: A020529
Score: 3.99947
Type of gen. func.: ogf

$$(132026124685 f(x) + 378159586804) (512 f(x) x^4 - 736 f(x) x^3 + 252 f(x) x^2 + 448 x^3 - 29 f(x) x - 616 x^2 + f(x) - 148 x + 1)$$

Sequence: A020529
Score: 7.64342
Type of gen. func.: ogf

$$-\frac{448 x^3 - 616 x^2 - 148 x + 1}{(x - 1) (-1 + 4 x) (8 x - 1) (16 x - 1)}$$

Sequence: A020530
Score: 11.4710
Type of gen. func.: ogf

$$-\frac{3 (6 x - 1)}{(8 x - 1) (2 x - 1)}$$

Sequence: A020530
Score: 12.2462
Type of gen. func.: revogf

$$-\frac{-3 - 10 x + (36 x^2 - 12 x + 9)^{1/2}}{4 (9 + 8 x)}$$

Sequence: A020530
Score: 13.1423
Type of gen. func.: lgdogf

$$-\frac{4 (24 x^2 - 8 x + 1)}{(6 x - 1) (8 x - 1) (2 x - 1)}$$

Sequence: A020530
Score: 5.98489
Type of gen. func.: ogf

$$-(5 f(x) - 3) (16 f(x) x^2 - 10 f(x) x + f(x) + 18 x - 3)$$

Sequence: A020530
Score: 6.47776
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 16 a(n), a(0) = 3, a(1) = 12\}$$

Sequence: A020531
Score: 10.5033
Type of gen. func.: ogf

$$-\frac{116 x^2 - 76 x + 5}{(x - 1) (-1 + 4 x) (16 x - 1)}$$

Sequence: A020531
Score: 5.33122
Type of gen. func.: ogf

$$-(727325 f(x) + 1063291)$$

$$(64 f(x) x^3 - 84 f(x) x^2 + 21 f(x) x + 116 x^2 - f(x) - 76 x + 5)$$

Sequence: A020531
Score: 5.93124
Type of gen. func.: lgdogf

$$-\frac{7424 x^4 - 9728 x^3 + 4908 x^2 - 608 x + 29}{(x - 1) (-1 + 4 x) (16 x - 1) (116 x^2 - 76 x + 5)}$$

Sequence: A020531
Score: 5.96374
Type of gen. func.: ogf

$$\{-a(n + 3) + 21 a(n + 2) - 84 a(n + 1) + 64 a(n), a(0) = 5, a(1) = 29,$$

$$a(2) = 305\}$$

Sequence: A020532
Score: 5.04866
Type of gen. func.: ogf

$$-(19085 f(x) + 68428)$$

$$(512 f(x) x^3 - 336 f(x) x^2 + 42 f(x) x + 1040 x^2 - f(x) - 266 x + 8)$$

Sequence: A020532
Score: 5.54935
Type of gen. func.: ogf

$$\{-a(n + 3) + 42 a(n + 2) - 336 a(n + 1) + 512 a(n), a(0) = 8, a(1) = 70, a(2) = 1292\}$$

Sequence: A020532
Score: 5.69624
Type of gen. func.: lgdogf

$$-\frac{266240 x^4 - 136192 x^3 + 28992 x^2 - 1648 x + 35}{(2 x - 1) (8 x - 1) (32 x - 1) (520 x^2 - 133 x + 4)}$$

Sequence: A020532
Score: 9.45734
Type of gen. func.: ogf

$$-\frac{2 (520 x^2 - 133 x + 4)}{(2 x - 1) (8 x - 1) (32 x - 1)}$$

Sequence: A020533
Score: 3.7628
Type of gen. func.: ogf

$$(8422572107565 f(x) + 22699420449859) (4096 f(x) x^4 - 5440 f(x) x^3 + 1428 f(x) x^2 + 11584 x^3 - 85 f(x) x - 9672 x^2 + f(x) + 936 x - 13)$$

Sequence: A020533
Score: 7.06010
Type of gen. func.: ogf

$$-\frac{11584 x^3 - 9672 x^2 + 936 x - 13}{(x - 1) (-1 + 4 x) (64 x - 1) (16 x - 1)}$$

Sequence: A020534
Score: 5.58558
Type of gen. func.: ogf

$$-\frac{3 (75264 x^3 - 24592 x^2 + 1054 x - 7)}{(2 x - 1) (8 x - 1) (128 x - 1) (32 x - 1)}$$

Sequence: A020535
Score: 4.68529
Type of gen. func.: ogf

$$-\frac{4771840 x^4 - 4589056 x^3 + 550716 x^2 - 10609 x + 34}{(x - 1) (-1 + 4 x) (256 x - 1) (64 x - 1) (16 x - 1)}$$

Sequence: A020536
Score: 4.17468
Type of gen. func.: ogf

$$-\frac{191954944 x^4 - 74711552 x^3 + 3895584 x^2 - 35132 x + 55}{(512 x - 1) (2 x - 1) (8 x - 1) (128 x - 1) (32 x - 1)}$$

Sequence: A020537
Score: 11.9004
Type of gen. func.: lgdogf

$$-\frac{2 (128 x^2 + 16 x - 13)}{(8 x - 1) (2 x - 1) (1 + 16 x)}$$

Sequence: A020537
Score: 13.2842
Type of gen. func.: revogf

$$-\frac{-1 - 10 x + (36 x^2 + 84 x + 1)^{1/2}}{32 (x - 1)}$$

Sequence: A020537
Score: 15.0323
Type of gen. func.: ogf

$$\frac{1 + 16 x}{(8 x - 1) (2 x - 1)}$$

Sequence: A020537
Score: 7.92914
Type of gen. func.: ogf

$$(57 f(x) + 112) (16 f(x) x^2 - 10 f(x) x + f(x) - 16 x - 1)$$

Sequence: A020537
Score: 8.48884
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 16 a(n), a(0) = 1, a(1) = 26\}$$

Sequence: A020538
Score: 10.0287
Type of gen. func.: ogf

$$\frac{32 x^2 - 76 x - 1}{(x - 1) (-1 + 4 x) (16 x - 1)}$$

Sequence: A020538
Score: 5.13097
Type of gen. func.: ogf

$$(5232885 f(x) - 10469848)$$

$$(64 f(x) x^3 - 84 f(x) x^2 + 21 f(x) x - 32 x^2 - f(x) + 76 x + 1)$$

Sequence: A020538
Score: 5.56214
Type of gen. func.: ogf

$\{a(n+3) - 21\, a(n+2) + 84\, a(n+1) - 64\, a(n),\ a(0) = 1,\ a(1) = 97,$

$a(2) = 1921\}$

Sequence: A020538
Score: 6.31729
Type of gen. func.: lgdogf

$$-\frac{2048\, x^4 - 9728\, x^3 + 5520\, x^2 + 232\, x - 97}{(x - 1)\,(-1 + 4\, x)\,(16\, x - 1)\,(32\, x^2 - 76\, x - 1)}$$

Sequence: A020539
Score: 4.71132
Type of gen. func.: ogf

$(6937215\, f(x) - 36356464)$

$(512\, f(x)\, x^3 - 336\, f(x)\, x^2 + 42\, f(x)\, x + 256\, x^2 - f(x) + 320\, x + 1)$

Sequence: A020539
Score: 5.09435
Type of gen. func.: ogf

$\{a(n+3) - 42\, a(n+2) + 336\, a(n+1) - 512\, a(n),\ a(0) = 1,\ a(1) = 362,$

$a(2) = 15124\}$

Sequence: A020539
Score: 6.13202
Type of gen. func.: lgdogf

$$-\frac{2\,(65536\, x^4 + 163840\, x^3 - 58368\, x^2 - 80\, x + 181)}{(32\, x - 1)\,(2\, x - 1)\,(8\, x - 1)\,(256\, x^2 + 320\, x + 1)}$$

Sequence: A020539
Score: 8.95150
Type of gen. func.: ogf

$$-\frac{256 x^2 + 320 x + 1}{(2 x - 1) (8 x - 1) (32 x - 1)}$$

Sequence: A020540
Score: 12.4525
Type of gen. func.: ogf

$$\frac{4 (1 + 4 x)}{(8 x - 1) (2 x - 1)}$$

Sequence: A020540
Score: 13.6266
Type of gen. func.: lgdogf

$$-\frac{2 (32 x^2 + 16 x - 7)}{(1 + 4 x) (8 x - 1) (2 x - 1)}$$

Sequence: A020540
Score: 14.2913
Type of gen. func.: revogf

$$-\frac{-2 - 5 x + (9 x^2 + 36 x + 4)^{1/2}}{16 (x - 1)}$$

Sequence: A020540
Score: 6.42711
Type of gen. func.: ogf

$$(765 f(x) + 6544) (16 f(x) x^2 - 10 f(x) x + f(x) - 16 x - 4)$$

Sequence: A020540
Score: 7.03201

Type of gen. func.: ogf

$$\{-a(n+2) + 10\, a(n+1) - 16\, a(n),\ a(0) = 4,\ a(1) = 56\}$$

Sequence: A020541
Score: 10.1810
Type of gen. func.: ogf

$$\frac{64 x^2 - 104 x - 5}{(x - 1)(-1 + 4 x)(16 x - 1)}$$

Sequence: A020541
Score: 5.20708
Type of gen. func.: ogf

$$(17143975 f(x) - 47656784)$$

$$(64 f(x) x^3 - 84 f(x) x^2 + 21 f(x) x - 64 x^2 - f(x) + 104 x + 5)$$

Sequence: A020541
Score: 5.68439
Type of gen. func.: ogf

$$\{a(n+3) - 21\, a(n+2) + 84\, a(n+1) - 64\, a(n),\ a(0) = 5,\ a(1) = 209,$$
$$a(2) = 3905\}$$

Sequence: A020541
Score: 5.99382
Type of gen. func.: lgdogf

$$-\frac{(32 x^2 - 88 x + 11)(128 x^2 - 64 x - 19)}{(x - 1)(-1 + 4 x)(16 x - 1)(64 x^2 - 104 x - 5)}$$

Sequence: A020542
Score: 10.7669
Type of gen. func.: ogf

$$6 (88 x + 1)$$

```
                         - ------------------------------
                           (2 x - 1) (8 x - 1) (32 x - 1)
```

Sequence: A020542
Score: 5.16811
Type of gen. func.: ogf

```
(62644695 f(x) - 496683968)

                  3              2
    (512 f(x) x  - 336 f(x) x  + 42 f(x) x - f(x) + 528 x + 6)
```

Sequence: A020542
Score: 5.25214
Type of gen. func.: ogf

```
{a(n + 3) - 42 a(n + 2) + 336 a(n + 1) - 512 a(n), a(0) = 6, a(1) = 780,

    a(2) = 30744}
```

Sequence: A020542
Score: 8.08433
Type of gen. func.: lgdogf

```
                                    3           2
                        2 (45056 x  - 14016 x  - 336 x + 65)
                     - --------------------------------------
                       (32 x - 1) (2 x - 1) (88 x + 1) (8 x - 1)
```

Sequence: A020543
Score: 3.61307
Type of gen. func.: ogf

```
    2                          2
{(n  + 4 n + 4) a(n + 1) + (-n  - 5 n - 5) a(n + 2) + (n + 1) a(n + 3),

    a(0) = 1, a(1) = 1, a(2) = 3}
```

Sequence: A020547
Score: 3.06809
Type of gen. func.: ogf

```
    4      3       2                               3      2
{(-n  - 9 n  - 30 n  - 44 n - 24) a(n + 1) + (n  + 8 n  + 20 n + 15) a(n + 2)

     + (-1 - n) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 2}
```

Sequence: A020566
Score: 14.4662
Type of gen. func.: lgdogf

$$-\frac{2(135x-13)(6x-1)}{(12x-1)(9x-1)(5x-1)}$$

Sequence: A020566
Score: 16.1243
Type of gen. func.: ogf

$$-\frac{1}{(12x-1)(9x-1)(5x-1)}$$

Sequence: A020566
Score: 5.64351
Type of gen. func.: ogf

$$(218853911 f(x) - 129632400) (540 f(x) x^3 - 213 f(x) x^2 + 26 f(x) x - f(x) + 1)$$

Sequence: A020566
Score: 5.64351
Type of gen. func.: ogf

$\{a(n + 3) - 26 a(n + 2) + 213 a(n + 1) - 540 a(n), a(0) = 1, a(1) = 26,$

$a(2) = 463\}$

Sequence: A020567
Score: 10.6836
Type of gen. func.: lgdogf

$$-\frac{2(825x^2-215x+13)}{(5x-1)(10x-1)(11x-1)}$$

Sequence: A020567

Score: 12.4796
Type of gen. func.: ogf

$$-\frac{1}{(5x-1)(10x-1)(11x-1)}$$

Sequence: A020567
Score: 4.36787
Type of gen. func.: ogf

{a(n + 3) - 26 a(n + 2) + 215 a(n + 1) - 550 a(n), a(0) = 1, a(1) = 26,

a(2) = 461}

Sequence: A020567
Score: 4.51849
Type of gen. func.: ogf

$$(2565489 f(x) - 1522180)(550 f(x) x^3 - 215 f(x) x^2 + 26 f(x) x - f(x) + 1)$$

Sequence: A020568
Score: 10.0054
Type of gen. func.: lgdogf

$$-\frac{1800x^2 - 460x + 27}{(12x-1)(5x-1)(10x-1)}$$

Sequence: A020568
Score: 11.2224
Type of gen. func.: ogf

$$-\frac{1}{(12x-1)(5x-1)(10x-1)}$$

Sequence: A020568
Score: 3.92783
Type of gen. func.: ogf

{a(n + 3) - 27 a(n + 2) + 230 a(n + 1) - 600 a(n), a(0) = 1, a(1) = 27,

$$a(2) = 499\}$$

Sequence: A020568
Score: 4.13456
Type of gen. func.: ogf

$$(817643 f(x) - 454680) (600 f(x) x^3 - 230 f(x) x^2 + 27 f(x) x - f(x) + 1)$$

Sequence: A020569
Score: 11.2884
Type of gen. func.: ogf

$$- \frac{1}{(5 x - 1) (12 x - 1) (11 x - 1)}$$

Sequence: A020569
Score: 3.7929
Type of gen. func.: ogf

$$(122127253447 f(x) - 63626785200)$$

$$(660 f(x) x^3 - 247 f(x) x^2 + 28 f(x) x - f(x) + 1)$$

Sequence: A020569
Score: 3.95094
Type of gen. func.: ogf

$$\{a(n + 3) - 28 a(n + 2) + 247 a(n + 1) - 660 a(n), a(0) = 1, a(1) = 28,$$

$$a(2) = 537\}$$

Sequence: A020569
Score: 9.85154
Type of gen. func.: lgdogf

$$- \frac{2 (990 x^2 - 247 x + 14)}{(5 x - 1) (12 x - 1) (11 x - 1)}$$

Sequence: A020570
Score: 18.0496
Type of gen. func.: ogf

$$-\frac{1}{(6x-1)(8x-1)(7x-1)}$$

Sequence: A020570
Score: 6.31738
Type of gen. func.: ogf

$$(185450473 f(x) - 175821408) (336 f(x) x^3 - 146 f(x) x^2 + 21 f(x) x - f(x) + 1)$$

Sequence: A020570
Score: 6.31738
Type of gen. func.: ogf

$$\{a(n+3) - 21 a(n+2) + 146 a(n+1) - 336 a(n), a(0) = 1, a(1) = 21,$$
$$a(2) = 295\}$$

Sequence: A020571
Score: 12.0753
Type of gen. func.: lgdogf

$$-\frac{2 (567 x^2 - 159 x + 11)}{(6x-1)(7x-1)(9x-1)}$$

Sequence: A020571
Score: 13.2131
Type of gen. func.: ogf

$$-\frac{1}{(6x-1)(7x-1)(9x-1)}$$

Sequence: A020571
Score: 4.62459
Type of gen. func.: ogf

```
{a(n + 3) - 22 a(n + 2) + 159 a(n + 1) - 378 a(n), a(0) = 1, a(1) = 22,

    a(2) = 325}



------------------------------------------------------------------------------

Sequence:  A020571
Score: 4.70298
Type of gen. func.: ogf


                                          3             2
 (38512553 f(x) - 34816068) (378 f(x) x  - 159 f(x) x  + 22 f(x) x - f(x) + 1)



------------------------------------------------------------------------------

Sequence:  A020572
Score: 12.0753
Type of gen. func.: lgdogf


                                        2
                                  1260 x  - 344 x + 23
                        - ------------------------------
                          (6 x - 1) (7 x - 1) (10 x - 1)



------------------------------------------------------------------------------

Sequence:  A020572
Score: 13.2131
Type of gen. func.: ogf


                                              1
                        - ------------------------------
                          (6 x - 1) (7 x - 1) (10 x - 1)



------------------------------------------------------------------------------

Sequence:  A020572
Score: 4.62459
Type of gen. func.: ogf


                                           3             2
(223713583 f(x) - 191371950) (420 f(x) x  - 172 f(x) x  + 23 f(x) x - f(x) + 1)



------------------------------------------------------------------------------

Sequence:  A020572
Score: 4.62459
Type of gen. func.: ogf


{a(n + 3) - 23 a(n + 2) + 172 a(n + 1) - 420 a(n), a(0) = 1, a(1) = 23,

    a(2) = 357}



------------------------------------------------------------------------------
```

Sequence: A020573
Score: 11.0249
Type of gen. func.: lgdogf

$$-\frac{2\,(9\,x-1)\,(77\,x-12)}{(6\,x-1)\,(7\,x-1)\,(11\,x-1)}$$

Sequence: A020573
Score: 12.3447
Type of gen. func.: ogf

$$-\frac{1}{(6\,x-1)\,(7\,x-1)\,(11\,x-1)}$$

Sequence: A020573
Score: 4.18127
Type of gen. func.: ogf

$$(21295440101\,f(x)-17182028556)$$

$$(462\,f(x)\,x^{3}-185\,f(x)\,x^{2}+24\,f(x)\,x-f(x)+1)$$

Sequence: A020573
Score: 4.32064
Type of gen. func.: ogf

$$\{a(n+3)-24\,a(n+2)+185\,a(n+1)-462\,a(n),\ a(0)=1,\ a(1)=24,$$

$$a(2)=391\}$$

Sequence: A020577
Score: 11.3958
Type of gen. func.: lgdogf

$$-\frac{1512\,x^{2}-396\,x+25}{(12\,x-1)\,(6\,x-1)\,(7\,x-1)}$$

Sequence: A020577
Score: 12.4796
Type of gen. func.: ogf

$$-\frac{1}{(12 x - 1) (6 x - 1) (7 x - 1)}$$

Sequence: A020577
Score: 4.36787
Type of gen. func.: ogf

{a(n + 3) - 25 a(n + 2) + 198 a(n + 1) - 504 a(n), a(0) = 1, a(1) = 25,

a(2) = 427}

Sequence: A020577
Score: 4.51849
Type of gen. func.: ogf

$$(1323295 f(x) - 1006264) (504 f(x) x^3 - 198 f(x) x^2 + 25 f(x) x - f(x) + 1)$$

Sequence: A020579
Score: 12.0753
Type of gen. func.: lgdogf

$$-\frac{1296 x^2 - 348 x + 23}{(6 x - 1) (8 x - 1) (9 x - 1)}$$

Sequence: A020579
Score: 13.2131
Type of gen. func.: ogf

$$-\frac{1}{(6 x - 1) (8 x - 1) (9 x - 1)}$$

Sequence: A020579
Score: 4.62459
Type of gen. func.: ogf

{a(n + 3) - 23 a(n + 2) + 174 a(n + 1) - 432 a(n), a(0) = 1, a(1) = 23,

a(2) = 355}

Sequence: A020579
Score: 4.78406
Type of gen. func.: ogf

$$(1915949 f(x) - 1702944) (432 f(x) x^3 - 174 f(x) x^2 + 23 f(x) x - f(x) + 1)$$

Sequence: A020584
Score: 12.2098
Type of gen. func.: ogf

$$- \frac{1}{(6 x - 1) (8 x - 1) (10 x - 1)}$$

Sequence: A020584
Score: 4.27342
Type of gen. func.: ogf

$$\{a(n + 3) - 24 a(n + 2) + 188 a(n + 1) - 480 a(n), a(0) = 1, a(1) = 24, a(2) = 388\}$$

Sequence: A020584
Score: 4.42079
Type of gen. func.: ogf

$$(3157481 f(x) - 2667600) (480 f(x) x^3 - 188 f(x) x^2 + 24 f(x) x - f(x) + 1)$$

Sequence: A020593
Score: 14.4605
Type of gen. func.: lgdogf

$$- \frac{1584 x^2 - 404 x + 25}{(6 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A020593
Score: 15.7738
Type of gen. func.: ogf

$$-\frac{1}{(6 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A020593
Score: 5.52082
Type of gen. func.: ogf

$$(149464835 f(x) - 119493792) (528 f(x) x^3 - 202 f(x) x^2 + 25 f(x) x - f(x) + 1)$$

Sequence: A020593
Score: 5.52082
Type of gen. func.: ogf

$$\{a(n + 3) - 25 a(n + 2) + 202 a(n + 1) - 528 a(n), a(0) = 1, a(1) = 25, a(2) = 423\}$$

Sequence: A020594
Score: 11.2097
Type of gen. func.: lgdogf

$$-\frac{2 (864 x^2 - 216 x + 13)}{(6 x - 1) (8 x - 1) (12 x - 1)}$$

Sequence: A020594
Score: 12.5471
Type of gen. func.: ogf

$$-\frac{1}{(6 x - 1) (8 x - 1) (12 x - 1)}$$

Sequence: A020594
Score: 4.39148
Type of gen. func.: ogf

$$\{a(n + 3) - 26 a(n + 2) + 216 a(n + 1) - 576 a(n), a(0) = 1, a(1) = 26, a(2) = 460\}$$

Sequence: A020594
Score: 4.79071
Type of gen. func.: ogf

$$(2023 f(x) - 1528) (576 f(x) x^3 - 216 f(x) x^2 + 26 f(x) x - f(x) + 1)$$

Sequence: A020595
Score: 11.0865
Type of gen. func.: lgdogf

$$-\frac{1620 x^2 - 408 x + 25}{(6 x - 1) (9 x - 1) (10 x - 1)}$$

Sequence: A020595
Score: 12.4122
Type of gen. func.: ogf

$$-\frac{1}{(6 x - 1) (9 x - 1) (10 x - 1)}$$

Sequence: A020595
Score: 4.34426
Type of gen. func.: ogf

$\{a(n + 3) - 25 a(n + 2) + 204 a(n + 1) - 540 a(n), a(0) = 1, a(1) = 25,$

$a(2) = 421\}$

Sequence: A020595
Score: 4.49406
Type of gen. func.: ogf

$$(2246237 f(x) - 1834650) (540 f(x) x^3 - 204 f(x) x^2 + 25 f(x) x - f(x) + 1)$$

Sequence: A020606
Score: 11.1481
Type of gen. func.: lgdogf

$$-\frac{2\,(891\,x^2-219\,x+13)}{(9\,x-1)\,(6\,x-1)\,(11\,x-1)}$$

Sequence: A020606
Score: 12.4796
Type of gen. func.: ogf

$$-\frac{1}{(9\,x-1)\,(6\,x-1)\,(11\,x-1)}$$

Sequence: A020606
Score: 4.36787
Type of gen. func.: ogf

$$(211807309\,f(x)-164068740)\,(594\,f(x)\,x^3-219\,f(x)\,x^2+26\,f(x)\,x-f(x)+1)$$

Sequence: A020606
Score: 4.36787
Type of gen. func.: ogf

$$\{a(n+3)-26\,a(n+2)+219\,a(n+1)-594\,a(n),\ a(0)=1,\ a(1)=26,\ a(2)=457\}$$

Sequence: A020695
Score: 10.1418
Type of gen. func.: ogf

$$\{-a(n+2)+a(n+1)+a(n),\ a(0)=2,\ a(1)=3\}$$

Sequence: A020695
Score: 18.4806
Type of gen. func.: ogf

$$-\frac{x+2}{x^2+x-1}$$

Sequence: A020695
Score: 22.6937
Type of gen. func.: revogf

$$\frac{-x - 2 + (5 x^2 + 8 x + 4)^{1/2}}{2 (x + 1)}$$

Sequence: A020695
Score: 29.1776
Type of gen. func.: lgdogf

$$-\frac{(x + 3) (x + 1)}{(x + 2) (x^2 + x - 1)}$$

Sequence: A020695
Score: 9.34414
Type of gen. func.: ogf

$$-(7 f(x) - 5) (f(x) x^2 + f(x) x - f(x) + x + 2)$$

Sequence: A020698
Score: 16.0315
Type of gen. func.: ogf

$$-\frac{x - 2}{2 x^2 - 5 x + 1}$$

Sequence: A020698
Score: 16.4815
Type of gen. func.: revogf

$$-\frac{-2 - 5 x + (17 x^2 + 16 x + 4)^{1/2}}{2 (2 x + 1)}$$

Sequence: A020698
Score: 20.8443
Type of gen. func.: lgdogf

$$-\frac{2 x^2 - 8 x + 9}{(x - 2) (2 x^2 - 5 x + 1)}$$

Sequence: A020698
Score: 8.01576
Type of gen. func.: ogf

$$-(37 f(x) + 7) (2 f(x) x^2 - 5 f(x) x + f(x) + x - 2)$$

Sequence: A020698
Score: 8.79777
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 2 a(n), a(0) = 2, a(1) = 9\}$$

Sequence: A020699
Score: 14.3536
Type of gen. func.: ogf

$$-5 f(x) x + f(x) + 3 x - 1$$

Sequence: A020699
Score: 17.4571
Type of gen. func.: ogf

$$\frac{3 x - 1}{5 x - 1}$$

Sequence: A020699
Score: 18.6285
Type of gen. func.: revogf

$$1/6 + \frac{5 x}{6} - \frac{(25 x^2 - 2 x + 1)^{1/2}}{6}$$

Sequence: A020699
Score: 37.2570
Type of gen. func.: lgdogf

$$\frac{2}{(5 x - 1) (3 x - 1)}$$

Sequence: A020699
Score: 8.97099
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1), a(0) = 1, a(1) = 2\}$$

Sequence: A020701
Score: 18.1880
Type of gen. func.: ogf

$$- \frac{3 + 2 x}{x^2 + x - 1}$$

Sequence: A020701
Score: 21.1555
Type of gen. func.: revogf

$$\frac{-3 - x + ((5 x + 9) (x + 1))^{1/2}}{2 (x + 2)}$$

Sequence: A020701
Score: 25.1221
Type of gen. func.: lgdogf

$$- \frac{2 x^2 + 6 x + 5}{(3 + 2 x) (x^2 + x - 1)}$$

Sequence: A020701
Score: 9.51694
Type of gen. func.: ogf

$$(11 f(x) - 8) (f(x) x^2 + f(x) x - f(x) + 2 x + 3)$$

Sequence: A020701
Score: 9.98120
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 3, a(1) = 5\}$$

Sequence: A020702
Score: 15.5679
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{19} + x^9 + x^4 + x^2 + x + 1$$

Sequence: A020702
Score: 8.50160
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^8 - x^6 + x^4 - x^2 + 1)}{(x + 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^4}$$

Sequence: A020704
Score: 16.2181
Type of gen. func.: ogf

$$-\frac{x + 3}{x^2 + 3 x - 1}$$

Sequence: A020704
Score: 17.4825
Type of gen. func.: revogf

$$\frac{-3 - 3 x + ((x + 1) (13 x + 9))}{2 (x + 1)}$$

Sequence: A020704
Score: 23.1220
Type of gen. func.: lgdogf

$$- \frac{x^2 + 6 x + 10}{(x + 3) (x^2 + 3 x - 1)}$$

Sequence: A020704
Score: 8.58604
Type of gen. func.: ogf

$$(9 f(x) - 2) (f(x) x^2 + 3 f(x) x - f(x) + x + 3)$$

Sequence: A020704
Score: 8.79294
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) - a(n), a(0) = 3, a(1) = 10\}$$

Sequence: A020705
Score: 11.1451
Type of gen. func.: ogf

$$(2 f(x) + 17) (f(x) x^2 - 2 f(x) x + f(x) + 3 x - 4)$$

Sequence: A020705
Score: 11.6888
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 4, a(1) = 5\}$$

Sequence: A020705
Score: 21.2996

Type of gen. func.: ogf

$$-\frac{3x-4}{(x-1)^2}$$

Sequence: A020705
Score: 37.6485
Type of gen. func.: revogf

$$-\frac{-2-x+(4+x)^{1/2}}{x+3}$$

Sequence: A020705
Score: 40.9223
Type of gen. func.: lgdogf

$$-\frac{-5+3x}{(x-1)(3x-4)}$$

Sequence: A020706
Score: 14.3555
Type of gen. func.: lgdogf

$$-\frac{3x^4+4x^3-6x^2-6x+6}{(x-1)(3x^2+2x-4)(x^2+x-1)}$$

Sequence: A020706
Score: 15.4426
Type of gen. func.: ogf

$$-\frac{3x^2+2x-4}{(x-1)(x^2+x-1)}$$

Sequence: A020706
Score: 8.61534

Type of gen. func.: ogf

$$(44 f(x) - 41) (f(x) x^3 - 2 f(x) x + 3 x^2 + f(x) + 2 x - 4)$$

Sequence: A020706
Score: 8.70700
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 4, a(1) = 6, a(2) = 9\}$$

Sequence: A020707
Score: 14.6628
Type of gen. func.: ogf

$$\{a(n + 1) - 2 a(n), a(0) = 4\}$$

Sequence: A020707
Score: 18.5966
Type of gen. func.: ogf

$$-2 f(x) x + f(x) - 4$$

Sequence: A020707
Score: 30.4985
Type of gen. func.: ogf

$$-\frac{4}{2 x - 1}$$

Sequence: A020707
Score: 34.0273
Type of gen. func.: revegf]

$$-1/2 \ln(2) + 1/2 \ln(x + 2)$$

Sequence: A020707
Score: 74.8600
Type of gen. func.: lgdogf

$$-\frac{2}{2 x - 1}$$

Sequence: A020708
Score: 14.7726
Type of gen. func.: ogf

$$-\frac{2 x^{2} + x + 4}{x^{3} + 2 x - 1}$$

Sequence: A020708
Score: 15.3843
Type of gen. func.: lgdogf

$$-\frac{2 x^{4} + 2 x^{3} + 8 x^{2} + 4 x + 9}{(2 x^{2} + x + 4) (x^{3} + 2 x - 1)}$$

Sequence: A020708
Score: 7.90858
Type of gen. func.: ogf

$$-(31 f(x) - 20) (f(x) x^{3} + 2 f(x) x + 2 x^{2} - f(x) + x + 4)$$

Sequence: A020708
Score: 8.24158
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + a(n), a(0) = 4, a(1) = 9, a(2) = 20\}$$

Sequence: A020709
Score: 12.0261
Type of gen. func.: lgdogf

$$-\frac{6 x^{4} - 8 x^{3} + 19 x^{2} - 10 x + 10}{{}^{2} \qquad\qquad {}^{3} \quad {}^{2}}$$

$$(3 x - 2 x + 4) (2 x - 2 x + 3 x - 1)$$

Sequence: A020709
Score: 12.6412
Type of gen. func.: ogf

$$-\frac{3 x^2 - 2 x + 4}{2 x^3 - 2 x^2 + 3 x - 1}$$

Sequence: A020709
Score: 6.64751
Type of gen. func.: ogf

$$-(2 f(x) + 17) (2 f(x) x^3 - 2 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) - 2 x + 4)$$

Sequence: A020709
Score: 6.76414
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 2 a(n + 1) - 2 a(n), a(0) = 4, a(1) = 10, a(2) = 25\}$$

Sequence: A020710
Score: 11.0104
Type of gen. func.: ogf

$$(f(x) + 13) (f(x) x^2 - 2 f(x) x + f(x) + 4 x - 5)$$

Sequence: A020710
Score: 11.5475
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 5, a(1) = 6\}$$

Sequence: A020710
Score: 21.0421
Type of gen. func.: ogf

$$-\frac{4x-5}{(x-1)^2}$$

Sequence: A020710
Score: 27.3435
Type of gen. func.: revogf

$$-\frac{-5-2x+(25+4x)^{1/2}}{2(4+x)}$$

Sequence: A020710
Score: 35.7569
Type of gen. func.: lgdogf

$$-\frac{2(-3+2x)}{(x-1)(4x-5)}$$

Sequence: A020711
Score: 10.8996
Type of gen. func.: ogf

$$-\frac{4x^3-x^2+3x-5}{(x-1)(x^3+x-1)}$$

Sequence: A020711
Score: 11.2933
Type of gen. func.: lgdogf

$$-\frac{4x^6-2x^5+6x^4-10x^3+4x^2-8x+7}{(x-1)(4x^3-x^2+3x-5)(x^3+x-1)}$$

Sequence: A020711
Score: 5.95225
Type of gen. func.: ogf

$-(f(x) + 3)$

$$(f(x)\, x^4 - f(x)\, x^3 + f(x)\, x^2 + 4\, x^3 - 2\, f(x)\, x - x^2 + f(x) + 3\, x - 5)$$

Sequence: A020712
Score: 17.8941
Type of gen. func.: ogf

$$-\frac{3\, x + 5}{x^2 + x - 1}$$

Sequence: A020712
Score: 20.8103
Type of gen. func.: revogf

$$\frac{-5 - x + (5\, x^2 + 22\, x + 25)^{1/2}}{2\, (x + 3)}$$

Sequence: A020712
Score: 24.7122
Type of gen. func.: lgdogf

$$-\frac{(x + 2)\, (3\, x + 4)}{(3\, x + 5)\, (x^2 + x - 1)}$$

Sequence: A020712
Score: 8.94705
Type of gen. func.: ogf

$$-(9\, f(x) - 13)\, (f(x)\, x^2 + f(x)\, x - f(x) + 3\, x + 5)$$

Sequence: A020712
Score: 9.81994
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n),\ a(0) = 5,\ a(1) = 8\}$$

Sequence: A020713
Score: 13.1723
Type of gen. func.: ogf

$$-\frac{3x^2 - x + 5}{x^3 - x^2 + 2x - 1}$$

Sequence: A020713
Score: 14.3507
Type of gen. func.: lgdogf

$$-\frac{3x^4 - 2x^3 + 10x^2 - 4x + 9}{(3x^2 - x + 5)(x^3 - x^2 + 2x - 1)}$$

Sequence: A020713
Score: 7.11070
Type of gen. func.: ogf

$$\{a(n+3) - 2a(n+2) + a(n+1) - a(n), a(0) = 5, a(1) = 9, a(2) = 16\}$$

Sequence: A020713
Score: 7.23882
Type of gen. func.: ogf

$$(3f(x) - 7)(f(x)x^3 - f(x)x^2 + 2f(x)x + 3x^2 - f(x) - x + 5)$$

Sequence: A020714
Score: 14.9293
Type of gen. func.: ogf

$$\{a(n+1) - 2a(n), a(0) = 5\}$$

Sequence: A020714
Score: 18.9348
Type of gen. func.: ogf

$$-2 f(x) x + f(x) - 5$$

Sequence: A020714
Score: 31.0530
Type of gen. func.: ogf

$$-\frac{5}{2 x - 1}$$

Sequence: A020714
Score: 31.7693
Type of gen. func.: revegf]

$$-1/2 \ln(5) + 1/2 \ln(5 + 2 x)$$

Sequence: A020714
Score: 76.2463
Type of gen. func.: lgdogf

$$-\frac{2}{2 x - 1}$$

Sequence: A020715
Score: 11.0604
Type of gen. func.: ogf

$$(2 f(x) + 37) (f(x) x^2 - 2 f(x) x + f(x) + 5 x - 6)$$

Sequence: A020715
Score: 11.6000
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 6, a(1) = 7\}$$

Sequence: A020715
Score: 21.1378
Type of gen. func.: ogf

$$-\frac{5x-6}{(x-1)^2}$$

Sequence: A020715
Score: 37.3593
Type of gen. func.: revogf

$$-\frac{-3-x+(9+x)^{1/2}}{5+x}$$

Sequence: A020715
Score: 40.6080
Type of gen. func.: lgdogf

$$-\frac{-7+5x}{(x-1)(5x-6)}$$

Sequence: A020716
Score: 10.6645
Type of gen. func.: lgdogf

$$-\frac{4x^6+6x^5-2x^4-16x^3-7x^2+6x+8}{(x-1)(4x^3+3x^2-2x-6)(x^3+x^2-1)}$$

Sequence: A020716
Score: 12.1204
Type of gen. func.: ogf

$$-\frac{4x^3+3x^2-2x-6}{(x-1)(x^3+x^2-1)}$$

Sequence: A020716
Score: 6.96922
Type of gen. func.: ogf

$$(3 f(x) - 22) (f(x) x^4 - f(x) x^2 + 4 x^3 - f(x) x + 3 x^2 + f(x) - 2 x - 6)$$

Sequence: A020717
Score: 13.8735
Type of gen. func.: lgdogf

$$- \frac{4 x^4 + 6 x^3 - 10 x^2 - 8 x + 9}{(x - 1) (4 x^2 + 3 x - 6) (x^2 + x - 1)}$$

Sequence: A020717
Score: 15.1931
Type of gen. func.: ogf

$$- \frac{4 x^2 + 3 x - 6}{(x - 1) (x^2 + x - 1)}$$

Sequence: A020717
Score: 8.47615
Type of gen. func.: ogf

$$(33 f(x) - 74) (f(x) x^3 - 2 f(x) x + 4 x^2 + f(x) + 3 x - 6)$$

Sequence: A020717
Score: 8.47616
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n), a(0) = 6, a(1) = 9, a(2) = 14\}$$

Sequence: A020718
Score: 6.82753
Type of gen. func.: lgdogf

$$- \frac{4 x^{10} - 2 x^9 - 2 x^8 + 6 x^7 + 2 x^6 - 12 x^5 + 7 x^4 + 4 x^3 - 9 x^2 - 6 x + 10}{}$$

5 4 3 2 5 2

$$(x - 1) (4 x - x - x + 3 x + 2 x - 6) (x + x + x - 1)$$

Sequence: A020718
Score: 8.44873
Type of gen. func.: ogf

$$- \frac{4 x^5 - x^4 - x^3 + 3 x^2 + 2 x - 6}{(x - 1) (x^5 + x^2 + x - 1)}$$

Sequence: A020719
Score: 11.1105
Type of gen. func.: ogf

$$(f(x) + 25) (f(x) x^2 - 2 f(x) x + f(x) + 6 x - 7)$$

Sequence: A020719
Score: 11.6525
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 7, a(1) = 8\}$$

Sequence: A020719
Score: 21.2334
Type of gen. func.: ogf

$$- \frac{6 x - 7}{(x - 1)^2}$$

Sequence: A020719
Score: 27.5967
Type of gen. func.: revogf

$$- \frac{-7 - 2 x + (49 + 4 x)^{1/2}}{2 (6 + x)}$$

Sequence: A020719
Score: 39.0953
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x-4)}{(x-1)\,(6\,x-7)}$$

Sequence: A020720
Score: 14.6720
Type of gen. func.: ogf

$$-\frac{5\,x^2+9\,x+7}{x^3+x^2-1}$$

Sequence: A020720
Score: 14.9303
Type of gen. func.: lgdogf

$$-\frac{5\,x^4+18\,x^3+30\,x^2+24\,x+9}{(x^3+x^2-1)\,(5\,x^2+9\,x+7)}$$

Sequence: A020720
Score: 8.80322
Type of gen. func.: ogf

$$\{a(n+3)-a(n+1)-a(n),\ a(0)=7,\ a(1)=9,\ a(2)=12\}$$

Sequence: A020720
Score: 8.99254
Type of gen. func.: ogf

$$(f(x)-7)\,(f(x)\,x^3+f(x)\,x^2+5\,x^2-f(x)+9\,x+7)$$

Sequence: A020721
Score: 10.7313
Type of gen. func.: ogf

$$-\frac{5 x^{3} - x^{2} + 4 x - 7}{(x - 1) (x^{3} + x - 1)}$$

Sequence: A020721
Score: 10.8207
Type of gen. func.: lgdogf

$$-\frac{5 x^{6} - 2 x^{5} + 8 x^{4} - 16 x^{3} + 8 x^{2} - 12 x + 10}{(x - 1) (x^{3} + x - 1) (5 x^{3} - x^{2} + 4 x - 7)}$$

Sequence: A020721
Score: 5.86035
Type of gen. func.: ogf

$$-(f(x) - 8)$$

$$(f(x) x^{4} - f(x) x^{3} + f(x) x^{2} + 5 x^{3} - 2 f(x) x - x^{2} + f(x) + 4 x - 7)$$

Sequence: A020722
Score: 10.9756
Type of gen. func.: ogf

$$(2 f(x) + 65) (f(x) x^{2} - 2 f(x) x + f(x) + 7 x - 8)$$

Sequence: A020722
Score: 11.5110
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 8, a(1) = 9\}$$

Sequence: A020722
Score: 20.9756
Type of gen. func.: ogf

$$-\frac{7 x - 8}{{}^{2}}$$

$$(x - 1)$$

Sequence: A020722
Score: 35.6438
Type of gen. func.: revogf

$$-\frac{-4 - x + (16 + x)^{1/2}}{7 + x}$$

Sequence: A020722
Score: 40.2930
Type of gen. func.: lgdogf

$$-\frac{-9 + 7 x}{(x - 1) (7 x - 8)}$$

Sequence: A020723
Score: 11.0255
Type of gen. func.: ogf

$$(f(x) + 41) (f(x) x^2 - 2 f(x) x + f(x) + 8 x - 9)$$

Sequence: A020723
Score: 11.4240
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 9, a(1) = 10\}$$

Sequence: A020723
Score: 21.0709
Type of gen. func.: ogf

$$-\frac{8 x - 9}{(x - 1)^2}$$

Sequence: A020723

Score: 27.3832
Type of gen. func.: revogf

$$-\frac{-9 - 2 x + (81 + 4 x)^{1/2}}{2 (8 + x)}$$

Sequence: A020723
Score: 37.2412
Type of gen. func.: lgdogf

$$-\frac{2 (4 x - 5)}{(x - 1) (8 x - 9)}$$

Sequence: A020724
Score: 12.7495
Type of gen. func.: ogf

$$-\frac{1}{(6 x - 1) (12 x - 1) (9 x - 1)}$$

Sequence: A020724
Score: 4.46231
Type of gen. func.: ogf

$\{a(n + 3) - 27 a(n + 2) + 234 a(n + 1) - 648 a(n), a(0) = 1, a(1) = 27,$

$a(2) = 495\}$

Sequence: A020724
Score: 4.86798
Type of gen. func.: ogf

$$(5599 f(x) - 4104) (648 f(x) x^3 - 234 f(x) x^2 + 27 f(x) x - f(x) + 1)$$

Sequence: A020725
Score: 10.988
Type of gen. func.: ogf

$$(2 f(x) + 5) (f(x) x^2 - 2 f(x) x + f(x) + x - 2)$$

Sequence: A020725
Score: 11.3900
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 2, a(1) = 3\}$$

Sequence: A020725
Score: 20.7552
Type of gen. func.: ogf

$$-\frac{x - 2}{(x - 1)^2}$$

Sequence: A020725
Score: 31.6127
Type of gen. func.: revogf

$$\frac{x}{(x + 1)^{1/2} (1 + (x + 1)^{1/2})}$$

Sequence: A020725
Score: 50.9315
Type of gen. func.: lgdogf

$$-\frac{x - 3}{(x - 1) (x - 2)}$$

Sequence: A020726
Score: 10.9712
Type of gen. func.: lgdogf

$$-\frac{1980 x^2 - 472 x + 27}{(6 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A020726
Score: 12.5471
Type of gen. func.: ogf

$$-\frac{1}{(6x-1)(10x-1)(11x-1)}$$

Sequence: A020726
Score: 4.35519
Type of gen. func.: ogf

$$(1206965039 f(x) - 894667950)$$

$$(660 f(x) x^3 - 236 f(x) x^2 + 27 f(x) x - f(x) + 1)$$

Sequence: A020726
Score: 4.39148
Type of gen. func.: ogf

$\{a(n+3) - 27 a(n+2) + 236 a(n+1) - 660 a(n), a(0) = 1, a(1) = 27,$

$a(2) = 493\}$

Sequence: A020727
Score: 16.1457
Type of gen. func.: ogf

$$-\frac{x-2}{2x^2-4x+1}$$

Sequence: A020727
Score: 18.2955
Type of gen. func.: revogf

$$-\frac{-1-2x+((x+1)(2x+1))^{1/2}}{2x+1}$$

Sequence: A020727
Score: 20.9860
Type of gen. func.: lgdogf

$$-\frac{2 x^2 - 8 x + 7}{(x - 2) (2 x^2 - 4 x + 1)}$$

Sequence: A020727
Score: 8.44832
Type of gen. func.: ogf

$$(20 f(x) + 9) (2 f(x) x^2 - 4 f(x) x + f(x) + x - 2)$$

Sequence: A020727
Score: 8.86044
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 2 a(n), a(0) = 2, a(1) = 7\}$$

Sequence: A020729
Score: 14.6068
Type of gen. func.: ogf

$$\{a(n + 1) - 5 a(n), a(0) = 2\}$$

Sequence: A020729
Score: 18.5257
Type of gen. func.: ogf

$$-5 f(x) x + f(x) - 2$$

Sequence: A020729
Score: 30.3822
Type of gen. func.: ogf

$$-\frac{2}{5 x - 1}$$

Sequence: A020729

Score: 31.1184
Type of gen. func.: revegf]

$$-1/5 \ln(2) + 1/5 \ln(2 + 5 x)$$

Sequence: A020729
Score: 67.8947
Type of gen. func.: lgdogf

$$-\frac{5}{5 x - 1}$$

Sequence: A020732
Score: 14.6443
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 2 x^3 - 8 x^2 - 4 x + 7}{(x - 1) (2 x^2 + x - 4) (x^2 + x - 1)}$$

Sequence: A020732
Score: 15.1931
Type of gen. func.: ogf

$$-\frac{2 x^2 + x - 4}{(x - 1) (x^2 + x - 1)}$$

Sequence: A020732
Score: 8.47616
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 4, a(1) = 7, a(2) = 12\}$$

Sequence: A020732
Score: 8.65844
Type of gen. func.: ogf

$$(3 f(x) - 4) (f(x) x^3 - 2 f(x) x + 2 x^2 + f(x) + x - 4)$$

Sequence: A020735
Score: 10.0587
Type of gen. func.: ogf

$$(4 f(x) + 29) (f(x) x^2 - 2 f(x) x + f(x) + 3 x - 5)$$

Sequence: A020735
Score: 10.5494
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 5, a(1) = 7\}$$

Sequence: A020735
Score: 19.2233
Type of gen. func.: ogf

$$-\frac{-5 + 3 x}{(x - 1)^2}$$

Sequence: A020735
Score: 24.9533
Type of gen. func.: revogf

$$-\frac{-5 - 2 x + (25 + 8 x)^{1/2}}{2 (x + 3)}$$

Sequence: A020735
Score: 36.8875
Type of gen. func.: lgdogf

$$-\frac{-7 + 3 x}{(x - 1) (-5 + 3 x)}$$

Sequence: A020736
Score: 10.2043

Type of gen. func.: ogf

$$-\frac{3 x^3 - 4 x^2 + 7 x - 5}{(x - 1) (x^3 - x^2 + 2 x - 1)}$$

Sequence: A020736
Score: 5.57257
Type of gen. func.: ogf

$$-(f(x) - 5)$$

$$(f(x) x^4 - 2 f(x) x^3 + 3 f(x) x^2 + 3 x^3 - 3 f(x) x - 4 x^2 + f(x) + 7 x - 5)$$

Sequence: A020736
Score: 9.18465
Type of gen. func.: lgdogf

$$-\frac{3 x^6 - 8 x^5 + 20 x^4 - 30 x^3 + 30 x^2 - 22 x + 8}{(x - 1) (x^3 - x^2 + 2 x - 1) (3 x^3 - 4 x^2 + 7 x - 5)}$$

Sequence: A020737
Score: 13.3679
Type of gen. func.: revegf]

$$1/2 \ln(x + 3) - \operatorname{arctanh}((25 + 8 x)^{1/2}) - 1/2 \ln(3) + \operatorname{arctanh}(5)$$

Sequence: A020737
Score: 16.9436
Type of gen. func.: ogf

$$-\frac{6 x - 5}{(2 x - 1) (x - 1)}$$

Sequence: A020737
Score: 19.7000
Type of gen. func.: lgdogf

$$-\frac{12 x^2 - 20 x + 9}{(6 x - 5) (x - 1) (2 x - 1)}$$

Sequence: A020737
Score: 8.4718
Type of gen. func.: ogf

$$-(7 f(x) + 46) (2 f(x) x^2 - 3 f(x) x + f(x) + 6 x - 5)$$

Sequence: A020737
Score: 9.29833
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 5, a(1) = 9\}$$

Sequence: A020739
Score: 11.3834
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 6, a(1) = 8\}$$

Sequence: A020739
Score: 14.8165
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) - 4 x + 6$$

Sequence: A020739
Score: 20.7431
Type of gen. func.: ogf

$$-\frac{2 (-3 + 2 x)}{(x - 1)^2}$$

Sequence: A020739

Score: 33.9490
Type of gen. func.: revogf

$$- \frac{-3 - x + (9 + 2 x)^{1/2}}{4 + x}$$

Sequence: A020739
Score: 39.8531
Type of gen. func.: lgdogf

$$- \frac{2 (x - 2)}{(x - 1) (-3 + 2 x)}$$

Sequence: A020742
Score: 10.854
Type of gen. func.: ogf

$$(4 f(x) + 53) (f(x) x^2 - 2 f(x) x + f(x) + 5 x - 7)$$

Sequence: A020742
Score: 11.3834
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 7, a(1) = 9\}$$

Sequence: A020742
Score: 20.7431
Type of gen. func.: ogf

$$- \frac{-7 + 5 x}{(x - 1)^2}$$

Sequence: A020742
Score: 26.9595
Type of gen. func.: revogf

$$- \frac{-7 - 2 x + (49 + 8 x)^{1/2}}{}$$

$$2 (5 + x)$$

Sequence: A020742
Score: 39.8531
Type of gen. func.: lgdogf

$$- \frac{-9 + 5 x}{(x - 1) (-7 + 5 x)}$$

Sequence: A020743
Score: 13.4644
Type of gen. func.: lgdogf

$$- \frac{5 x^4 + 8 x^3 - 11 x^2 - 10 x + 10}{(x - 1) (5 x^2 + 4 x - 7) (x^2 + x - 1)}$$

Sequence: A020743
Score: 15.2612
Type of gen. func.: ogf

$$- \frac{5 x^2 + 4 x - 7}{(x - 1) (x^2 + x - 1)}$$

Sequence: A020743
Score: 7.85287
Type of gen. func.: ogf

$$-(1547 f(x) - 3454) (f(x) x^3 - 2 f(x) x + 5 x^2 + f(x) + 4 x - 7)$$

Sequence: A020743
Score: 8.42548
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n), a(0) = 7, a(1) = 10, a(2) = 15\}$$

Sequence: A020744
Score: 10.7177
Type of gen. func.: ogf

$$(f(x) + 17) (f(x) x^2 - 2 f(x) x + f(x) + 6 x - 8)$$

Sequence: A020744
Score: 11.1051
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 8, a(1) = 10\}$$

Sequence: A020744
Score: 20.4827
Type of gen. func.: ogf

$$- \frac{2 (3 x - 4)}{(x - 1)^2}$$

Sequence: A020744
Score: 32.3202
Type of gen. func.: revogf

$$- \frac{-4 - x + (16 + 2 x)^{1/2}}{6 + x}$$

Sequence: A020744
Score: 39.3463
Type of gen. func.: lgdogf

$$- \frac{-5 + 3 x}{(x - 1) (3 x - 4)}$$

Sequence: A020745
Score: 10.8513
Type of gen. func.: ogf

3 2

$$-\frac{2x - x + x - 3}{(x-1)(x^3+x-1)}$$

Sequence: A020745
Score: 11.7243
Type of gen. func.: lgdogf

$$-\frac{2x^6 - 2x^5 + 2x^4 - 6x^3 + 2x^2 - 4x + 5}{(x-1)(x^3+x-1)(2x^3 - x^2 + x - 3)}$$

Sequence: A020745
Score: 6.09893
Type of gen. func.: ogf

$$(f(x) + 2)(f(x)x^4 - f(x)x^3 + f(x)x^2 + 2x^3 - 2f(x)x - x^2 + f(x) + x - 3)$$

Sequence: A020746
Score: 7.05701
Type of gen. func.: lgdogf

$$-\frac{x^{10} - 2x^9 + 3x^8 - 4x^7 + 7x^6 - 12x^5 + 6x^4 - 6x^3 + 7x^2 - 10x + 7}{(x-1)(x^5+x^3+2x-1)(x^5 - x^4 + x^3 - x^2 + 2x - 3)}$$

Sequence: A020746
Score: 7.18303
Type of gen. func.: ogf

$$-\frac{x^5 - x^4 + x^3 - x^2 + 2x - 3}{(x-1)(x^5+x^3+2x-1)}$$

Sequence: A020748
Score: 6.27802
Type of gen. func.: lgdogf

$$- (6 x^{10} - 8 x^9 - 2 x^8 + 6 x^7 + 7 x^6 - 24 x^5 + 9 x^4 + 6 x^3 - 4 x^2 - 10 x + 10)$$

$$\bigg/ \left((x - 1) (2 x^5 + x^2 + 2 x - 1) (3 x^5 - 2 x^4 - x^3 + x^2 + 2 x - 4)\right)$$

Sequence: A020748
Score: 7.46807
Type of gen. func.: ogf

$$- \frac{3 x^5 - 2 x^4 - x^3 + x^2 + 2 x - 4}{(x - 1) (2 x^5 + x^2 + 2 x - 1)}$$

Sequence: A020749
Score: 10.6834
Type of gen. func.: ogf

$$- \frac{3 x^3 - x^2 + 2 x - 5}{(x - 1) (x^3 + x - 1)}$$

Sequence: A020749
Score: 11.0666
Type of gen. func.: lgdogf

$$- \frac{3 x^6 - 2 x^5 + 4 x^4 - 12 x^3 + 6 x^2 - 8 x + 8}{(x - 1) (3 x^3 - x^2 + 2 x - 5) (x^3 + x - 1)}$$

Sequence: A020749
Score: 5.91813
Type of gen. func.: ogf

$$(45 f(x) + 31)$$

$$(f(x) x^4 - f(x) x^3 + f(x) x^2 + 3 x^3 - 2 f(x) x - x^2 + f(x) + 2 x - 5)$$

Sequence: A020750

Score: 10.2505
Type of gen. func.: ogf

$$-\frac{3x^4-4x^3-2x^2-x+5}{(x-1)(x^4-x^3-x^2-x+1)}$$

Sequence: A020750
Score: 7.75066
Type of gen. func.: lgdogf

$$-\frac{3x^8-8x^7+2x^6+4x^5+13x^4-12x^3-8x^2-4x+9}{(x-1)(x^4-x^3-x^2-x+1)(3x^4-4x^3-2x^2-x+5)}$$

Sequence: A020753
Score: 2.07071
Type of gen. func.: ogf

$$-(f(x)\,x^2-2\,f(x)\,x+f(x)-1)^2$$

Sequence: A020758
Score: 10.0054
Type of gen. func.: lgdogf

$$-\frac{4\,(540x^2-126x+7)}{(12x-1)(6x-1)(10x-1)}$$

Sequence: A020758
Score: 11.2224
Type of gen. func.: ogf

$$-\frac{1}{(12x-1)(6x-1)(10x-1)}$$

Sequence: A020758
Score: 3.92783
Type of gen. func.: ogf

{a(n + 3) - 28 a(n + 2) + 252 a(n + 1) - 720 a(n), a(0) = 1, a(1) = 28,

a(2) = 532}

Sequence: A020758
Score: 4.20839
Type of gen. func.: ogf

$$(21221 f(x) - 14900) (720 f(x) x^3 - 252 f(x) x^2 + 28 f(x) x - f(x) + 1)$$

Sequence: A020761
Score: 11.2690
Type of gen. func.: ogf

{-a(n + 1), a(0) = 5}

Sequence: A020761
Score: 181.048
Type of gen. func.: revogf

$$x/5$$

Sequence: A020761
Score: 20.5781
Type of gen. func.: ogf

$$5 - f(x)$$

Sequence: A020766
Score: 10.1260
Type of gen. func.: lgdogf

$$- \frac{2376 x^2 - 540 x + 29}{(6 x - 1) (12 x - 1) (11 x - 1)}$$

Sequence: A020766
Score: 11.3544

Type of gen. func.: ogf

$$-\frac{1}{(6 x - 1) (12 x - 1) (11 x - 1)}$$

Sequence: A020766
Score: 3.97404
Type of gen. func.: ogf

$$\{a(n + 3) - 29 a(n + 2) + 270 a(n + 1) - 792 a(n), a(0) = 1, a(1) = 29, a(2) = 571\}$$

Sequence: A020766
Score: 4.11108
Type of gen. func.: ogf

$$(6954787 f(x) - 4645432) (792 f(x) x^3 - 270 f(x) x^2 + 29 f(x) x - f(x) + 1)$$

Sequence: A020773
Score: 100.582
Type of gen. func.: lgdogf

$$\frac{5}{2 + 5 x}$$

Sequence: A020773
Score: 17.6997
Type of gen. func.: ogf

$$2 + 5 x - f(x)$$

Sequence: A020773
Score: 41.1472
Type of gen. func.: revegf]

$$\frac{2 x}{2 + (4 + 10 x)^{1/2}}$$

Sequence: A020773
Score: 9.55784
Type of gen. func.: ogf

$$\{a(n + 2), a(0) = 2, a(1) = 5\}$$

Sequence: A020782
Score: 11.8128
Type of gen. func.: lgdogf

$$- \frac{2 (756 x^2 - 191 x + 12)}{(8 x - 1) (7 x - 1) (9 x - 1)}$$

Sequence: A020782
Score: 13.2131
Type of gen. func.: ogf

$$- \frac{1}{(8 x - 1) (7 x - 1) (9 x - 1)}$$

Sequence: A020782
Score: 4.47541
Type of gen. func.: ogf

$$(22554022271 f(x) - 21655118016)$$

$$(504 f(x) x^3 - 191 f(x) x^2 + 24 f(x) x - f(x) + 1)$$

Sequence: A020782
Score: 4.62459
Type of gen. func.: ogf

$$\{a(n + 3) - 24 a(n + 2) + 191 a(n + 1) - 504 a(n), a(0) = 1, a(1) = 24,$$

$$a(2) = 385\}$$

Sequence: A020793
Score: 12.8280
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1), a(0) = 1, a(1) = 6\}$$

Sequence: A020793
Score: 20.5249
Type of gen. func.: ogf

$$-f(x) x + f(x) - 5 x - 1$$

Sequence: A020793
Score: 24.9627
Type of gen. func.: ogf

$$-\frac{1 + 5 x}{x - 1}$$

Sequence: A020793
Score: 25.1455
Type of gen. func.: revogf

$$-\frac{x}{10} - 1/10 + \frac{(x^2 + 22 x + 1)^{1/2}}{10}$$

Sequence: A020793
Score: 56.5774
Type of gen. func.: lgdogf

$$-\frac{6}{(1 + 5 x) (x - 1)}$$

Sequence: A020806
Score: 10.9065
Type of gen. func.: lgdogf

$$-\frac{7 x^6 - 4 x^5 + 11 x^4 - 16 x^3 + 20 x^2 - 4 x + 4}{(x - 1) (x + 1) (x^2 - x + 1) (7 x^3 - 2 x^2 + 3 x + 1)}$$

Sequence: A020806
Score: 13.3858
Type of gen. func.: ogf

$$-\frac{7 x^3 - 2 x^2 + 3 x + 1}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A020806
Score: 7.05053
Type of gen. func.: ogf

$$-(20771 f(x) - 51175)$$

$$(f(x) x^4 - f(x) x^3 + 7 x^3 + f(x) x - 2 x^2 - f(x) + 3 x + 1)$$

Sequence: A020821
Score: 39.3582
Type of gen. func.: lgdogf

$$\frac{2 (1 + 5 x)}{5 x^2 + 2 x + 1}$$

Sequence: A020821
Score: 7.31042
Type of gen. func.: ogf

$$\{-a(n + 3), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A020821
Score: 8.46469
Type of gen. func.: ogf

$$(5 f(x) - 3) (-5 x^2 + f(x) - 2 x - 1)$$

Sequence: A020838
Score: 11.0865

Type of gen. func.: lgdogf

$$-\frac{1680 x^{2} - 412 x + 25}{(8 x - 1) (7 x - 1) (10 x - 1)}$$

Sequence: A020838
Score: 12.4122
Type of gen. func.: ogf

$$-\frac{1}{(8 x - 1) (7 x - 1) (10 x - 1)}$$

Sequence: A020838
Score: 4.30836
Type of gen. func.: ogf

$$(1053031143 f(x) - 973218400)$$

$$(560 f(x) x^{3} - 206 f(x) x^{2} + 25 f(x) x - f(x) + 1)$$

Sequence: A020838
Score: 4.34426
Type of gen. func.: ogf

$$\{a(n + 3) - 25 a(n + 2) + 206 a(n + 1) - 560 a(n), a(0) = 1, a(1) = 25,$$
$$a(2) = 419\}$$

Sequence: A020865
Score: 6.23491
Type of gen. func.: ogf

$$\frac{2 x (8 x^{4} - 28 x^{3} + 34 x^{2} - 13 x + 2)}{(2 x - 1) (x - 1) (4 x^{2} - 8 x + 1) (2 x^{2} - 5 x + 1)}$$

Sequence: A020866
Score: 4.79865
Type of gen. func.: ogf

$$-(5083 f(x) - 61174) (2 f(x) x^4 - f(x) x^3 - 9 f(x) x^2 + 14 x^3 - 5 f(x) x - 3 x^2 + f(x) - 60 x - 41)$$

Sequence: A020866
Score: 5.91893
Type of gen. func.: lgdogf

$$-\frac{28 x^6 - 12 x^5 - 231 x^4 - 68 x^3 + 606 x^2 + 744 x + 265}{(x + 1) (14 x^3 - 3 x^2 - 60 x - 41) (2 x^3 - 3 x^2 - 6 x + 1)}$$

Sequence: A020866
Score: 9.05745
Type of gen. func.: ogf

$$-\frac{14 x^3 - 3 x^2 - 60 x - 41}{(x + 1) (2 x^3 - 3 x^2 - 6 x + 1)}$$

Sequence: A020868
Score: 3.70149
Type of gen. func.: ogf

$$- (28 x^8 - 220 x^7 + 841 x^6 - 1943 x^5 + 2882 x^4 - 2746 x^3 + 1609 x^2 - 503 x + 60) / ((2 x^3 - 5 x^2 + 6 x - 1)^2 (x - 1)^3)$$

Sequence: A020869
Score: 3.99118
Type of gen. func.: ogf

$$-\frac{3 x^8 - 27 x^7 + 126 x^6 - 360 x^5 + 663 x^4 - 781 x^3 + 570 x^2 - 220 x + 34}{(x^3 - 3 x^2 + 5 x - 1)^2 (x - 1)^3}$$

Sequence: A020870
Score: 5.83309
Type of gen. func.: ogf

$$-\frac{28x^5-192x^4+479x^3-532x^2+251x-38}{(x-1)^2(2x^2-5x+1)^2}$$

Sequence: A020871
Score: 6.52322
Type of gen. func.: ogf

$$\frac{x(3x^4-14x^3+26x^2-14x+3)}{(x-1)^2(x^2-4x+1)^2}$$

Sequence: A020871
Score: 6.54070
Type of gen. func.: lgdogf

$$-\frac{2(3x^6-21x^5+72x^4-124x^3+93x^2-39x+8)}{(x-1)(x^2-4x+1)(3x^4-14x^3+26x^2-14x+3)}$$

Sequence: A020873
Score: 10.1722
Type of gen. func.: ogf

$$-\frac{7x^3-10x^2+7x-2}{(2x-1)(x-1)^3}$$

Sequence: A020873
Score: 5.54847
Type of gen. func.: ogf

$$-(f(x)+50)(2f(x)x^4-7f(x)x^3+9f(x)x^2+7x^3-5f(x)x-10x^2$$
$$+f(x)+7x-2)$$

Sequence: A020873
Score: 8.65137
Type of gen. func.: lgdogf

$$-\frac{14x^4-12x^3+11x^2-10x+3}{(x-1)(2x-1)(7x^3-10x^2+7x-2)}$$

Sequence: A020874
Score: 5.13281
Type of gen. func.: ogf

$$-\frac{x(8x^4-20x^3+27x^2-6x-3)}{(2x-1)^2(x-1)^4}$$

Sequence: A020874
Score: 6.83031
Type of gen. func.: lgdogf

$$-\frac{2(16x^5-44x^4+82x^3-27x^2-30x+15)}{(x-1)(2x-1)(8x^4-20x^3+27x^2-6x-3)}$$

Sequence: A020875
Score: 18.4867
Type of gen. func.: ogf_with_Euler_transform]

$$-x^3-x^2+3x+3$$

Sequence: A020875
Score: 5.85787
Type of gen. func.: ogf

$$\frac{4x(x^2+1)(x^2+x+1)}{(x+1)^2(x-1)^4}$$

Sequence: A020875
Score: 9.29861
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 5 x^4 + 14 x^3 + 12 x^2 + 12 x + 3}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A020876
Score: 16.2181
Type of gen. func.: ogf

$$-\frac{5 x - 2}{5 x^2 - 5 x + 1}$$

Sequence: A020876
Score: 18.8627
Type of gen. func.: lgdogf

$$-\frac{5 (5 x^2 - 4 x + 1)}{(5 x - 2) (5 x^2 - 5 x + 1)}$$

Sequence: A020876
Score: 8.20015
Type of gen. func.: ogf

$$-(8 f(x) + 9) (5 f(x) x^2 - 5 f(x) x + f(x) + 5 x - 2)$$

Sequence: A020876
Score: 8.90017
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 5 a(n), a(0) = 2, a(1) = 5\}$$

Sequence: A020877
Score: 10.8756
Type of gen. func.: ogf

$$-\frac{2\,(2\,x^{3}+x^{2}-7\,x-5)}{(x+1)\,(x^{3}-x^{2}-3\,x+1)}$$

Sequence: A020877
Score: 5.84976
Type of gen. func.: ogf

$$-(6438\,f(x)-32989)$$

$$(f(x)\,x^{4}-4\,f(x)\,x^{2}+4\,x^{3}-2\,f(x)\,x+2\,x^{2}+f(x)-14\,x-10)$$

Sequence: A020877
Score: 7.13985
Type of gen. func.: lgdogf

$$-\frac{2\,x^{6}+2\,x^{5}-13\,x^{4}-12\,x^{3}+24\,x^{2}+38\,x+17}{(x+1)\,(x^{3}-x^{2}-3\,x+1)\,(2\,x^{3}+x^{2}-7\,x-5)}$$

Sequence: A020878
Score: 10.3246
Type of gen. func.: ogf

$$-\frac{x^{3}+4\,x^{2}-x-2}{(x-1)\,(x+1)\,(x^{2}+x-1)}$$

Sequence: A020878
Score: 5.55939
Type of gen. func.: ogf

$$-(25\,f(x)-59)$$

$$(f(x)\,x^{4}+f(x)\,x^{3}-2\,f(x)\,x^{2}+x^{3}-f(x)\,x+4\,x^{2}+f(x)-x-2)$$

Sequence: A020878
Score: 8.46326
Type of gen. func.: lgdogf

$$-\frac{x^6 + 8 x^5 + 3 x^4 - 8 x^3 - 3 x^2 + 3}{(x - 1) (x + 1) (x^2 + x - 1) (x^3 + 4 x^2 - x - 2)}$$

Sequence: A020881
Score: 2.54263
Type of gen. func.: ogf

$$-(211123 f(x) + 567662) (4 f(x) x^4 - 4 f(x) x^3 - 11 f(x) x^2 + 24 x^3 - 2 f(x) x - 16 x^2 + f(x) - 66 x - 18)$$

Sequence: A020911
Score: 4.15128
Type of gen. func.: ogf

$$\frac{x^{17} - x^{16} + x^{15} + x^{13} + x^{10} + x^8 + x^6 + x^3 + 1}{(x + 1) (x^2 + 1) (x^4 + 1) (x^8 + 1) (x - 1)^2}$$

Sequence: A020913
Score: 9.01932
Type of gen. func.: ogf

$$\frac{x^{15} - x^{14} + x^{11} - x^{10} + x^8 + x^4 + 1}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A020918
Score: 30.5486
Type of gen. func.: lgdogf

$$-14 + (1 - 4 x) f(x)$$

Sequence: A020918
Score: 4.72222
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (18 + 4 n) a(n + 1), a(0) = 1, a(1) = 14}

Sequence: A020920
Score: 32.3888
Type of gen. func.: lgdogf

-18 + (1 - 4 x) f(x)

Sequence: A020920
Score: 4.99999
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (22 + 4 n) a(n + 1), a(0) = 1, a(1) = 18}

Sequence: A020922
Score: 34.0451
Type of gen. func.: lgdogf

-22 + (1 - 4 x) f(x)

Sequence: A020922
Score: 5.24999
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (26 + 4 n) a(n + 1), a(0) = 1, a(1) = 22}

Sequence: A020923
Score: 35.0595
Type of gen. func.: lgdogf

-22 + (-1 + 4 x) f(x)

Sequence: A020923
Score: 5.65452
Type of gen. func.: ogf

{(n + 2) a(n + 2) + (18 - 4 n) a(n + 1), a(0) = 1, a(1) = -22}

Sequence: A020924
Score: 31.4328
Type of gen. func.: lgdogf

-26 + (1 - 4 x) f(x)

Sequence: A020924
Score: 4.85364
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (30 + 4 n) a(n + 1), a(0) = 1, a(1) = 26}

Sequence: A020925
Score: 37.0462
Type of gen. func.: lgdogf

-26 + (-1 + 4 x) f(x)

Sequence: A020925
Score: 5.31266
Type of gen. func.: ogf

{(n + 2) a(n + 2) + (22 - 4 n) a(n + 1), a(0) = 1, a(1) = -26}

Sequence: A020926
Score: 32.3360
Type of gen. func.: lgdogf

-30 + (1 - 4 x) f(x)

Sequence: A020926
Score: 4.98998
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (34 + 4 n) a(n + 1), a(0) = 1, a(1) = 30}

Sequence: A020927
Score: 34.1060
Type of gen. func.: lgdogf

$$-30 + (-1 + 4 x) f(x)$$

Sequence: A020927
Score: 5.46984
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) + (26 - 4 n) a(n + 1), a(0) = 1, a(1) = -30\}$$

Sequence: A020928
Score: 33.4199
Type of gen. func.: lgdogf

$$-34 + (1 - 4 x) f(x)$$

Sequence: A020928
Score: 5.15358
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (38 + 4 n) a(n + 1), a(0) = 1, a(1) = 34\}$$

Sequence: A020929
Score: 38.0263
Type of gen. func.: lgdogf

$$-34 + (-1 + 4 x) f(x)$$

Sequence: A020929
Score: 5.50127
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) + (30 - 4 n) a(n + 1), a(0) = 1, a(1) = -34\}$$

Sequence: A020930
Score: 34.5038

Type of gen. func.: lgdogf

-38 + (1 - 4 x) f(x)

Sequence: A020930
Score: 5.31719
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (42 + 4 n) a(n + 1), a(0) = 1, a(1) = 38}

Sequence: A020931
Score: 34.1216
Type of gen. func.: lgdogf

-38 + (-1 + 4 x) f(x)

Sequence: A020931
Score: 5.44125
Type of gen. func.: ogf

{(n + 2) a(n + 2) + (34 - 4 n) a(n + 1), a(0) = 1, a(1) = -38}

Sequence: A020932
Score: 35.4070
Type of gen. func.: lgdogf

-42 + (1 - 4 x) f(x)

Sequence: A020932
Score: 5.45353
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (46 + 4 n) a(n + 1), a(0) = 1, a(1) = 42}

Sequence: A020933
Score: 38.3868
Type of gen. func.: lgdogf

-42 + (-1 + 4 x) f(x)

Sequence: A020933
Score: 5.62780
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) + (38 - 4 n) a(n + 1), a(0) = 1, a(1) = -42\}$$

Sequence: A020956
Score: 10.3351
Type of gen. func.: lgdogf

$$-\frac{2 x^6 - x^5 - x^4 + 6 x^3 + 2 x^2 - 2 x - 2}{(x - 1) (x + 1) (x^2 + x - 1) (x^3 - x^2 + 1)}$$

Sequence: A020956
Score: 11.0623
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 + 1}{(x + 1) (x^2 + x - 1) (x - 1)^2}$$

Sequence: A020957
Score: 5.36216
Type of gen. func.: lgdogf

$$-\frac{x^7 + 7 x^6 - 5 x^5 - 15 x^4 + 11 x^3 + 15 x^2 - 4 x - 6}{(x - 1) (x + 1) (x^2 + x - 1) (x^5 + x^4 - 4 x^2 + 3)}$$

Sequence: A020958
Score: 4.62440
Type of gen. func.: ogf

$$\frac{x^6 - 3 x^4 - 2 x^3 + 7 x^2 + x - 5}{(x + 1) (x^2 + x - 1) (x - 1)^2}$$

Sequence: A020962
Score: 8.01691
Type of gen. func.: lgdogf

$$-\frac{4 x^6 + 3 x^5 + x^4 + 10 x^3 + 2 x^2 - x - 3}{(x - 1) (x + 1) (x^2 + 2 x - 1) (2 x^3 - x^2 + 1)}$$

Sequence: A020962
Score: 8.30733
Type of gen. func.: ogf

$$-\frac{2 x^3 - x^2 + 1}{(x + 1) (x^2 + 2 x - 1) (x - 1)^2}$$

Sequence: A020963
Score: 6.66774
Type of gen. func.: lgdogf

$$-\frac{x^7 - 3 x^6 + 2 x^5 + 4 x^4 - 19 x^3 - 11 x^2 + 4 x + 6}{(x - 1) (x + 1) (x^2 + 2 x - 1) (x^4 - 2 x^3 + x^2 - 2)}$$

Sequence: A020963
Score: 7.24022
Type of gen. func.: ogf

$$\frac{x^4 - 2 x^3 + x^2 - 2}{(x + 1) (x^2 + 2 x - 1) (x - 1)^2}$$

Sequence: A020964
Score: 6.40996
Type of gen. func.: lgdogf

$$12 x^6 + 3 x^5 - 23 x^4 + 10 x^3 + 26 x^2 - x - 11$$

$$- \frac{}{(x - 1) (x + 1) (x^2 + 2 x - 1) (x^5 + x^4 + 2 x^3 - 5 x^2 - x + 4)}$$

Sequence: A020964
Score: 6.48116
Type of gen. func.: ogf

$$- \frac{x^5 + x^4 + 2 x^3 - 5 x^2 - x + 4}{(x + 1) (x^2 + 2 x - 1) (x - 1)^2}$$

Sequence: A020968
Score: 11.1481
Type of gen. func.: lgdogf

$$- \frac{2 (924 x^2 - 221 x + 13)}{(11 x - 1) (8 x - 1) (7 x - 1)}$$

Sequence: A020968
Score: 12.4796
Type of gen. func.: ogf

$$- \frac{1}{(11 x - 1) (8 x - 1) (7 x - 1)}$$

Sequence: A020968
Score: 4.29627
Type of gen. func.: ogf

$$(3784382817 f(x) - 3341868992)$$

$$(616 f(x) x^3 - 221 f(x) x^2 + 26 f(x) x - f(x) + 1)$$

Sequence: A020968
Score: 4.36787
Type of gen. func.: ogf

{a(n + 3) - 26 a(n + 2) + 221 a(n + 1) - 616 a(n), a(0) = 1, a(1) = 26,

a(2) = 455}

Sequence: A020969
Score: 11.3328
Type of gen. func.: lgdogf

$$-\frac{2016 x^2 - 472 x + 27}{(12 x - 1) (8 x - 1) (7 x - 1)}$$

Sequence: A020969
Score: 12.6820
Type of gen. func.: ogf

$$-\frac{1}{(12 x - 1) (8 x - 1) (7 x - 1)}$$

Sequence: A020969
Score: 4.43869
Type of gen. func.: ogf

{a(n + 3) - 27 a(n + 2) + 236 a(n + 1) - 672 a(n), a(0) = 1, a(1) = 27,

a(2) = 493}

Sequence: A020969
Score: 4.51393
Type of gen. func.: ogf

$$(68622167 f(x) - 57682800) (672 f(x) x^3 - 236 f(x) x^2 + 27 f(x) x - f(x) + 1)$$

Sequence: A020970
Score: 10.9109
Type of gen. func.: lgdogf

$$-\frac{2 (945 x^2 - 223 x + 13)}{(9 x - 1) (7 x - 1) (10 x - 1)}$$

Sequence: A020970
Score: 12.4796
Type of gen. func.: ogf

$$-\frac{1}{(9x-1)(7x-1)(10x-1)}$$

Sequence: A020970
Score: 4.22697
Type of gen. func.: ogf

$$(50590167403 f(x) - 46209876300)$$

$$(630 f(x) x^3 - 223 f(x) x^2 + 26 f(x) x - f(x) + 1)$$

Sequence: A020970
Score: 4.36787
Type of gen. func.: ogf

{a(n + 3) - 26 a(n + 2) + 223 a(n + 1) - 630 a(n), a(0) = 1, a(1) = 26,

a(2) = 453}

Sequence: A020971
Score: 11.2097
Type of gen. func.: lgdogf

$$-\frac{2079 x^2 - 478 x + 27}{(11x-1)(7x-1)(9x-1)}$$

Sequence: A020971
Score: 12.5471
Type of gen. func.: ogf

$$-\frac{1}{(11x-1)(7x-1)(9x-1)}$$

Sequence: A020971
Score: 4.24982
Type of gen. func.: ogf

$$(73394861429 f(x) - 64325031309)$$

$$(693 f(x) x^3 - 239 f(x) x^2 + 27 f(x) x - f(x) + 1)$$

Sequence: A020971
Score: 4.39148
Type of gen. func.: ogf

$$\{a(n + 3) - 27 a(n + 2) + 239 a(n + 1) - 693 a(n), a(0) = 1, a(1) = 27, a(2) = 490\}$$

Sequence: A020972
Score: 12.7495
Type of gen. func.: ogf

$$-\frac{1}{(12 x - 1) (9 x - 1) (7 x - 1)}$$

Sequence: A020972
Score: 4.46231
Type of gen. func.: ogf

$$(429242773 f(x) - 359242128) (756 f(x) x^3 - 255 f(x) x^2 + 28 f(x) x - f(x) + 1)$$

Sequence: A020972
Score: 4.46231
Type of gen. func.: ogf

$$\{a(n + 3) - 28 a(n + 2) + 255 a(n + 1) - 756 a(n), a(0) = 1, a(1) = 28, a(2) = 529\}$$

Sequence: A020973
Score: 10.8016
Type of gen. func.: lgdogf

$$-\frac{2 (21 x - 2) (55 x - 7)}{(7 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A020973
Score: 12.6145
Type of gen. func.: ogf

$$-\frac{1}{(7x-1)(10x-1)(11x-1)}$$

Sequence: A020973
Score: 4.23849
Type of gen. func.: ogf

$(107568206637 f(x) - 91915508300)$

$(770 f(x) x^3 - 257 f(x) x^2 + 28 f(x) x - f(x) + 1)$

Sequence: A020973
Score: 4.41508
Type of gen. func.: ogf

$\{a(n+3) - 28 a(n+2) + 257 a(n+1) - 770 a(n), a(0) = 1, a(1) = 28,$

$a(2) = 527\}$

Sequence: A020974
Score: 10.0657
Type of gen. func.: lgdogf

$$-\frac{2520x^2 - 548x + 29}{(12x-1)(7x-1)(10x-1)}$$

Sequence: A020974
Score: 16.4047
Type of gen. func.: ogf

$$-\frac{1}{(12x-1)(7x-1)(10x-1)}$$

Sequence: A020974
Score: 5.64753
Type of gen. func.: ogf

$$(4758775877 f(x) - 3892001400) (840 f(x) x^3 - 274 f(x) x^2 + 29 f(x) x - f(x) + 1)$$

Sequence: A020974
Score: 5.74166
Type of gen. func.: ogf

$$\{a(n + 3) - 29 a(n + 2) + 274 a(n + 1) - 840 a(n), a(0) = 1, a(1) = 29, a(2) = 567\}$$

Sequence: A020975
Score: 16.5450
Type of gen. func.: ogf

$$-\frac{1}{(7 x - 1) (12 x - 1) (11 x - 1)}$$

Sequence: A020975
Score: 5.51498
Type of gen. func.: ogf

$$(218352608165 f(x) - 172554106032) (924 f(x) x^3 - 293 f(x) x^2 + 30 f(x) x - f(x) + 1)$$

Sequence: A020975
Score: 5.79073
Type of gen. func.: ogf

$$\{a(n + 3) - 30 a(n + 2) + 293 a(n + 1) - 924 a(n), a(0) = 1, a(1) = 30, a(2) = 607\}$$

Sequence: A020975
Score: 9.76183
Type of gen. func.: lgdogf

$$-\frac{2\,(1386\,x^2 - 293\,x + 15)}{(7\,x - 1)\,(12\,x - 1)\,(11\,x - 1)}$$

Sequence: A020976
Score: 11.1481
Type of gen. func.: lgdogf

$$-\frac{2160\,x^2 - 484\,x + 27}{(9\,x - 1)\,(8\,x - 1)\,(10\,x - 1)}$$

Sequence: A020976
Score: 12.4796
Type of gen. func.: ogf

$$-\frac{1}{(9\,x - 1)\,(8\,x - 1)\,(10\,x - 1)}$$

Sequence: A020976
Score: 4.29627
Type of gen. func.: ogf

$$(2288547961\,f(x) - 2216354400)$$

$$(720\,f(x)\,x^3 - 242\,f(x)\,x^2 + 27\,f(x)\,x - f(x) + 1)$$

Sequence: A020976
Score: 4.36787
Type of gen. func.: ogf

$$\{a(n + 3) - 27\,a(n + 2) + 242\,a(n + 1) - 720\,a(n),\ a(0) = 1,\ a(1) = 27,$$

$$a(2) = 487\}$$

Sequence: A020977
Score: 14.0331
Type of gen. func.: lgdogf

$$2\,(1188\,x^2 - 259\,x + 14)$$

$$-\frac{}{(11 x - 1) (8 x - 1) (9 x - 1)}$$

Sequence: A020977
Score: 15.9841
Type of gen. func.: ogf

$$-\frac{1}{(11 x - 1) (8 x - 1) (9 x - 1)}$$

Sequence: A020977
Score: 5.41397
Type of gen. func.: ogf

$$(14977669237 f(x) - 14058868032)$$

$$(792 f(x) x^3 - 259 f(x) x^2 + 28 f(x) x - f(x) + 1)$$

Sequence: A020977
Score: 5.59443
Type of gen. func.: ogf

$\{a(n + 3) - 28 a(n + 2) + 259 a(n + 1) - 792 a(n), a(0) = 1, a(1) = 28,$

$a(2) = 525\}$

Sequence: A020978
Score: 10.2894
Type of gen. func.: lgdogf

$$-\frac{2592 x^2 - 552 x + 29}{(8 x - 1) (12 x - 1) (9 x - 1)}$$

Sequence: A020978
Score: 11.2884
Type of gen. func.: ogf

$$-\frac{1}{(8 x - 1) (12 x - 1) (9 x - 1)}$$

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Sequence:  A020978
Score: 3.95094
Type of gen. func.: ogf


{a(n + 3) - 29 a(n + 2) + 276 a(n + 1) - 864 a(n), a(0) = 1, a(1) = 29,

    a(2) = 565}



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Sequence:  A020978
Score: 4.23315
Type of gen. func.: ogf


                                      3              2
    (84629 f(x) - 76464) (864 f(x) x  - 276 f(x) x  + 29 f(x) x - f(x) + 1)



--------------------------------------------------------------------------------

Sequence:  A020979
Score: 12.7495
Type of gen. func.: ogf


                                          1
                        - -------------------------------
                          (10 x - 1) (11 x - 1) (8 x - 1)



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Sequence:  A020979
Score: 4.38916
Type of gen. func.: ogf


(4701233019 f(x) - 4375650400)

               3              2
    (880 f(x) x  - 278 f(x) x  + 29 f(x) x - f(x) + 1)



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Sequence:  A020979
Score: 4.46231
Type of gen. func.: ogf


{a(n + 3) - 29 a(n + 2) + 278 a(n + 1) - 880 a(n), a(0) = 1, a(1) = 29,

    a(2) = 563}



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Sequence:  A020980
Score: 11.4204
Type of gen. func.: ogf
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$$-\frac{1}{(12 x - 1) (8 x - 1) (10 x - 1)}$$

Sequence: A020980
Score: 3.99715
Type of gen. func.: ogf

{a(n + 3) - 30 a(n + 2) + 296 a(n + 1) - 960 a(n), a(0) = 1, a(1) = 30,

a(2) = 604}

Sequence: A020980
Score: 4.13498
Type of gen. func.: ogf

$$(6418657 f(x) - 5772600) (960 f(x) x^3 - 296 f(x) x^2 + 30 f(x) x - f(x) + 1)$$

Sequence: A020980
Score: 9.76183
Type of gen. func.: lgdogf

$$-\frac{2 (1440 x^2 - 296 x + 15)}{(12 x - 1) (8 x - 1) (10 x - 1)}$$

Sequence: A020981
Score: 10.2465
Type of gen. func.: lgdogf

$$-\frac{3168 x^2 - 632 x + 31}{(11 x - 1) (8 x - 1) (12 x - 1)}$$

Sequence: A020981
Score: 11.2193
Type of gen. func.: ogf

$$-\frac{1}{(11 x - 1) (8 x - 1) (12 x - 1)}$$

Sequence: A020981
Score: 3.98703
Type of gen. func.: ogf

$$(289065259 f(x) - 254930544)$$

$$(1056 f(x) x^3 - 316 f(x) x^2 + 31 f(x) x - f(x) + 1)$$

Sequence: A020981
Score: 3.98703
Type of gen. func.: ogf

$\{a(n + 3) - 31 a(n + 2) + 316 a(n + 1) - 1056 a(n), a(0) = 1, a(1) = 31,$

$a(2) = 645\}$

Sequence: A020982
Score: 11.3544
Type of gen. func.: ogf

$$-\frac{1}{(9 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A020982
Score: 3.84585
Type of gen. func.: ogf

$$(30002978657 f(x) - 29235402900)$$

$$(990 f(x) x^3 - 299 f(x) x^2 + 30 f(x) x - f(x) + 1)$$

Sequence: A020982
Score: 3.97404
Type of gen. func.: ogf

$\{a(n + 3) - 30 a(n + 2) + 299 a(n + 1) - 990 a(n), a(0) = 1, a(1) = 30,$

$a(2) = 601\}$

Sequence: A020982
Score: 9.70406
Type of gen. func.: lgdogf

$$-\frac{2\,(1485\,x^{2} - 299\,x + 15)}{(9\,x - 1)\,(10\,x - 1)\,(11\,x - 1)}$$

Sequence: A020983
Score: 10.2465
Type of gen. func.: lgdogf

$$-\frac{3240\,x^{2} - 636\,x + 31}{(12\,x - 1)\,(9\,x - 1)\,(10\,x - 1)}$$

Sequence: A020983
Score: 16.2287
Type of gen. func.: ogf

$$-\frac{1}{(12\,x - 1)\,(9\,x - 1)\,(10\,x - 1)}$$

Sequence: A020983
Score: 5.76721
Type of gen. func.: ogf

$$\{a(n + 3) - 31\,a(n + 2) + 318\,a(n + 1) - 1080\,a(n),\ a(0) = 1,\ a(1) = 31,\ a(2) = 643\}$$

Sequence: A020983
Score: 5.86413
Type of gen. func.: ogf

$$(37353953\,f(x) - 35461800)\,(1080\,f(x)\,x^{3} - 318\,f(x)\,x^{2} + 31\,f(x)\,x - f(x) + 1)$$

Sequence: A020984
Score: 16.2971
Type of gen. func.: ogf

$$-\frac{1}{(11\,x-1)\,(12\,x-1)\,(9\,x-1)}$$

Sequence: A020984
Score: 5.69737
Type of gen. func.: ogf

$$(1654451393\,f(x)-1560789648)\,(1188\,f(x)\,x^{3}-339\,f(x)\,x^{2}+32\,f(x)\,x-f(x)+1)$$

Sequence: A020984
Score: 5.79155
Type of gen. func.: ogf

$$\{a(n+3)-32\,a(n+2)+339\,a(n+1)-1188\,a(n),\ a(0)=1,\ a(1)=32,\ a(2)=685\}$$

Sequence: A020984
Score: 9.87735
Type of gen. func.: lgdogf

$$-\frac{2\,(1782\,x^{2}-339\,x+16)}{(11\,x-1)\,(12\,x-1)\,(9\,x-1)}$$

Sequence: A020988
Score: 12.9219
Type of gen. func.: ogf

$$-4\,f(x)\,x^{2}+5\,f(x)\,x-f(x)+2\,x$$

Sequence: A020988
Score: 15.4252
Type of gen. func.: revogf

$$-\frac{-2-5\,x+(9\,x+2)^{1/2}\,(x+2)^{1/2}}{8\,x}$$

Sequence: A020988
Score: 17.3504
Type of gen. func.: ogf

$$\frac{2 x}{(-1 + 4 x) (x - 1)}$$

Sequence: A020988
Score: 27.4970
Type of gen. func.: lgdogf

$$- \frac{-5 + 8 x}{(-1 + 4 x) (x - 1)}$$

Sequence: A020988
Score: 7.92551
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 2\}$$

Sequence: A020989
Score: 12.4328
Type of gen. func.: ogf

$$\frac{x + 1}{(-1 + 4 x) (x - 1)}$$

Sequence: A020989
Score: 13.0265
Type of gen. func.: revogf

$$- \frac{-1 - 5 x + (9 x^2 + 14 x + 1)^{1/2}}{2 (-1 + 4 x)}$$

Sequence: A020989
Score: 6.82290

Type of gen. func.: ogf

$$\{-a(n+2)+5\,a(n+1)-4\,a(n),\ a(0)=1,\ a(1)=6\}$$

Sequence: A020989
Score: 8.24611
Type of gen. func.: ogf

$$(133\,f(x)+191)\,(4\,f(x)\,x^{2}-5\,f(x)\,x+f(x)-x-1)$$

Sequence: A020992
Score: 14.1903
Type of gen. func.: ogf

$$\frac{x\,(x-2)}{x^{3}+x^{2}+x-1}$$

Sequence: A020992
Score: 19.4637
Type of gen. func.: lgdogf

$$-\frac{2\,x^{3}-5\,x^{2}-4\,x-1}{(x-2)\,(x^{3}+x^{2}+x-1)}$$

Sequence: A020992
Score: 7.2869
Type of gen. func.: ogf

$$-(f(x)+4)\,(f(x)\,x^{3}+f(x)\,x^{2}+f(x)\,x-x^{2}-f(x)+2\,x)$$

Sequence: A020992
Score: 7.28690
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+2)+a(n+1)+a(n),\ a(0)=0,\ a(1)=2,\ a(2)=1\}$$

Sequence: A021000
Score: 2.0281
Type of gen. func.: ogf

$$(20 f(x) + 9) (2 f(x) x^2 - 4 f(x) x + f(x) + x - 2)$$

Sequence: A021000
Score: 3.87593
Type of gen. func.: ogf

$$-\frac{x - 2}{2 x^2 - 4 x + 1}$$

Sequence: A021001
Score: 15.8902
Type of gen. func.: ogf

$$-\frac{x + 2}{2 x^2 + 4 x - 1}$$

Sequence: A021001
Score: 17.5587
Type of gen. func.: revogf

$$\frac{-1 - 2 x + ((2 x + 1) (1 + 3 x))^{1/2}}{2 x + 1}$$

Sequence: A021001
Score: 20.6573
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 8 x + 9}{(x + 2) (2 x^2 + 4 x - 1)}$$

Sequence: A021001
Score: 8.31468
Type of gen. func.: ogf

$$(44 f(x) - 7) (2 f(x) x^2 + 4 f(x) x - f(x) + x + 2)$$

Sequence: A021001
Score: 8.72026
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) - 2 a(n), a(0) = 2, a(1) = 9\}$$

Sequence: A021003
Score: 10.5661
Type of gen. func.: lgdogf

$$- \frac{2 x^4 + 37 x^3 + 177 x^2 + 127 x + 17}{(x - 1) (x^4 + 11 x^3 + 36 x^2 + 11 x + 1)}$$

Sequence: A021003
Score: 6.28018
Type of gen. func.: ogf

$$\frac{x (x^4 + 11 x^3 + 36 x^2 + 11 x + 1)}{(x - 1)^6}$$

Sequence: A021004
Score: 6.79639
Type of gen. func.: lgdogf

$$- \frac{2 x^{10} + 2 x^9 + 4 x^8 - x^6 - 8 x^5 - 7 x^4 - 8 x^3 + 6 x^2 + 10 x + 10}{(2 x^5 + x^4 + 2 x^3 - x^2 - 2 x - 4) (x^6 + x^4 - x^3 - x^2 - 2 x + 1)}$$

Sequence: A021004
Score: 7.46807
Type of gen. func.: ogf

$$-\frac{2x^5+x^4+2x^3-x^2-2x-4}{x^6+x^4-x^3-x^2-2x+1}$$

Sequence: A021006
Score: 13.3762
Type of gen. func.: ogf

$$-\frac{3x+4}{2x^2+2x-1}$$

Sequence: A021006
Score: 15.5014
Type of gen. func.: lgdogf

$$-\frac{6x^2+16x+11}{(3x+4)(2x^2+2x-1)}$$

Sequence: A021006
Score: 16.3626
Type of gen. func.: revogf

$$\frac{-2-x+((3x+4)(x+1))^{1/2}}{3+2x}$$

Sequence: A021006
Score: 6.91873
Type of gen. func.: ogf

$$(38 f(x) - 31)(2 f(x) x^2 + 2 f(x) x - f(x) + 3x + 4)$$

Sequence: A021006
Score: 7.25218
Type of gen. func.: ogf

$\{a(n + 2) - 2 a(n + 1) - 2 a(n), a(0) = 4, a(1) = 11\}$

Sequence: A021008
Score: 5.21329
Type of gen. func.: ogf

$$-(7 f(x) - 18) (f(x) x^4 - 2 f(x) x^2 + 2 x^3 + 3 f(x) x + x^2 - f(x) - 4 x + 5)$$

Sequence: A021008
Score: 8.22231
Type of gen. func.: lgdogf

$$-\frac{2 x^6 + 2 x^5 - 8 x^4 + 8 x^3 + 11 x^2 - 18 x + 11}{(2 x^3 + x^2 - 4 x + 5) (x^4 - 2 x^2 + 3 x - 1)}$$

Sequence: A021008
Score: 9.36880
Type of gen. func.: ogf

$$-\frac{2 x^3 + x^2 - 4 x + 5}{x^4 - 2 x^2 + 3 x - 1}$$

Sequence: A021011
Score: 5.99724
Type of gen. func.: lgdogf

$$- (3 x^{10} + 4 x^9 + 3 x^8 + 10 x^7 + 2 x^6 + 16 x^5 + 8 x^4 + 2 x^3 + 14 x^2 - 4 x + 11) \Big/ ((x^6 + x^3 - x^2 + 2 x - 1) (3 x^5 + 2 x^4 + x^3 + 4 x^2 - x + 6))$$

Sequence: A021011
Score: 7.56500
Type of gen. func.: ogf

5 4 3 2

```
                         3 x  + 2 x  + x  + 4 x  - x + 6
                       - -------------------------------
                                6    3    2
                             x  + x  - x  + 2 x - 1
```

Sequence: A021014
Score: 7.49715
Type of gen. func.: lgdogf

```
                8      7    6       5       4      3    2
             4 x  - 4 x  - x  + 10 x  + 13 x  - 8 x  - x  + 12 x + 11
           - ---------------------------------------------------------
                 5    4    2              4      3    2
               (x  - x  + x  + x - 1) (4 x  - 2 x  - x  + 4 x + 7)
```

Sequence: A021014
Score: 8.28187
Type of gen. func.: ogf

```
                               4      3    2
                            4 x  - 2 x  - x  + 4 x + 7
                          - --------------------------
                                5    4    2
                               x  - x  + x  + x - 1
```

Sequence: A021015
Score: 10.2753
Type of gen. func.: lgdogf

```
                                       2 x
                               - ---------------
                                 (x - 1) (x + 1)
```

Sequence: A021015
Score: 10.7768
Type of gen. func.: ogf_with_Euler_transform]

```
                                      [x]
```

Sequence: A021015
Score: 12.4771
Type of gen. func.: revegf]

```
                                  arcsinh(x/9)
```

Sequence: A021015
Score: 3.45661
Type of gen. func.: ogf

$$f(x)\, x^2 - f(x) + 9\, x$$

Sequence: A021015
Score: 4.29458
Type of gen. func.: ogf

$$- \frac{9\, x}{(x - 1)\, (x + 1)}$$

Sequence: A021016
Score: 11.0726
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2),\ a(0) = 0,\ a(1) = 8,\ a(2) = 3\}$$

Sequence: A021016
Score: 18.7556
Type of gen. func.: ogf

$$f(x)\, x - 5\, x^2 - f(x) + 8\, x$$

Sequence: A021016
Score: 22.4152
Type of gen. func.: ogf

$$\frac{x\, (5\, x - 8)}{x - 1}$$

Sequence: A021016
Score: 26.6247
Type of gen. func.: revogf

$$x \qquad (x^2 - 4\, x + 64)^{1/2}$$

```
4/5 + ---- - ------------------
       10            10
```

Sequence: A021016
Score: 60.3492
Type of gen. func.: lgdogf

$$\frac{3}{(x - 1)(5 x - 8)}$$

Sequence: A021017
Score: 13.0077
Type of gen. func.: ogf

$$- \frac{x (3 x^2 - x + 7)}{(x - 1)(x + 1)(x^2 - x + 1)}$$

Sequence: A021017
Score: 14.6006
Type of gen. func.: lgdogf

$$- \frac{6 (x^5 - x^4 + 5 x^3 - 4 x^2 + x + 1)}{(x - 1)(x + 1)(x^2 - x + 1)(3 x^2 - x + 7)}$$

Sequence: A021017
Score: 6.60548
Type of gen. func.: ogf

$$-(33259 f(x) + 820747)(f(x) x^4 - f(x) x^3 + 3 x^3 + f(x) x - x^2 - f(x) + 7 x)$$

Sequence: A021018
Score: 11.0395
Type of gen. func.: lgdogf

```
       6      5       4       3      2
    5 x  + 6 x  - 21 x  + 30 x  - 9 x  + 6 x + 1
- ----------------------------------------------------
                   2              3      2
```

$$(x - 1) (x + 1) (x - x + 1) (5 x + 3 x - 6 x + 7)$$

Sequence: A021018
Score: 12.5894
Type of gen. func.: ogf

$$-\frac{x (5 x^3 + 3 x^2 - 6 x + 7)}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A021018
Score: 6.85839
Type of gen. func.: ogf

$$-(9133 f(x) - 49911)$$

$$(f(x) x^4 - f(x) x^3 + 5 x^4 + 3 x^3 + f(x) x - 6 x^2 - f(x) + 7 x)$$

Sequence: A021019
Score: 113.155
Type of gen. func.: lgdogf

$$-\frac{1}{x - 1}$$

Sequence: A021019
Score: 12.9440
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1), a(0) = 0, a(1) = 6\}$$

Sequence: A021019
Score: 129.320
Type of gen. func.: revogf

$$\frac{x}{6 + x}$$

Sequence: A021019
Score: 15.5767
Type of gen. func.: ogf

$$-f(x) (f(x) x - f(x) + 6 x)$$

Sequence: A021019
Score: 31.6905
Type of gen. func.: ogf

$$-\frac{6 x}{x - 1}$$

Sequence: A021020
Score: 39.3582
Type of gen. func.: lgdogf

$$\frac{2 (1 + 5 x)}{5 x^2 + 2 x + 6}$$

Sequence: A021020
Score: 6.60942
Type of gen. func.: ogf

$$\{a(n + 4), a(0) = 0, a(1) = 6, a(2) = 2, a(3) = 5\}$$

Sequence: A021020
Score: 7.42289
Type of gen. func.: ogf

$$(150 f(x) + 559) (-5 x^3 - 2 x^2 + f(x) - 6 x)$$

Sequence: A021021
Score: 10.1465
Type of gen. func.: lgdogf

$$-\frac{3960 x^2 - 724 x + 33}{(12 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A021021
Score: 11.3483
Type of gen. func.: ogf

$$- \frac{1}{(12 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A021021
Score: 3.96728
Type of gen. func.: ogf

$$(2431798663 f(x) - 2380336200) (1320 f(x) x^3 - 362 f(x) x^2 + 33 f(x) x - f(x) + 1)$$

Sequence: A021021
Score: 4.03286
Type of gen. func.: ogf

$$\{a(n + 3) - 33 a(n + 2) + 362 a(n + 1) - 1320 a(n), a(0) = 1, a(1) = 33, a(2) = 727\}$$

Sequence: A021022
Score: 113.155
Type of gen. func.: lgdogf

$$- \frac{1}{x - 1}$$

Sequence: A021022
Score: 12.9440
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1), a(0) = 0, a(1) = 5\}$$

Sequence: A021022
Score: 129.320

Type of gen. func.: revogf

$$\frac{x}{5 + x}$$

Sequence: A021022
Score: 15.5767
Type of gen. func.: ogf

$$-f(x) (f(x) x - f(x) + 5 x)$$

Sequence: A021022
Score: 31.6905
Type of gen. func.: ogf

$$- \frac{5 x}{x - 1}$$

Sequence: A021023
Score: 7.86007
Type of gen. func.: ogf

$$- \frac{x (x^{8} + x^{7} + 2 x^{6} + 4 x^{5} - 2 x^{4} - 3 x^{3} + 4 x^{2} - 3 x + 5)}{(x - 1) (x + 1) (x^{2} - x + 1) (x^{6} - x^{3} + 1)}$$

Sequence: A021024
Score: 12.4319
Type of gen. func.: lgdogf

$$- \frac{120 x^{3} - 183 x^{2} + 82 x - 11}{(x - 1) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A021024
Score: 13.6068
Type of gen. func.: ogf

$$\frac{1}{}$$

$$(x - 1) (3 x - 1) (2 x - 1) (5 x - 1)$$

Sequence: A021024
Score: 5.11464
Type of gen. func.: ogf

$$(81183133141 f(x) + 12893688000)$$

$$(30 f(x) x^4 - 61 f(x) x^3 + 41 f(x) x^2 - 11 f(x) x + f(x) - 1)$$

Sequence: A021025
Score: 12.2537
Type of gen. func.: ogf

$$- \frac{x (9 x^4 + x^3 + 6 x^2 + 7 x + 4)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A021025
Score: 8.08249
Type of gen. func.: lgdogf

$$- \frac{18 x^9 + 3 x^8 + 24 x^7 + 35 x^6 + 24 x^5 + 36 x^3 + 3 x^2 + 12 x + 7}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (9 x^4 + x^3 + 6 x^2 + 7 x + 4)}$$

Sequence: A021026
Score: 11.0726
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 1), a(0) = 0, a(1) = 4, a(2) = 5\}$$

Sequence: A021026
Score: 13.7168
Type of gen. func.: ogf

$$-f(x) (f(x) x^2 + 5 x^2 - f(x) + 4 x)$$

Sequence: A021026
Score: 20.4228
Type of gen. func.: ogf

$$-\frac{x (5 x + 4)}{(x - 1) (x + 1)}$$

Sequence: A021026
Score: 26.6247
Type of gen. func.: lgdogf

$$-\frac{5 x^2 + 8 x + 5}{(x - 1) (5 x + 4) (x + 1)}$$

Sequence: A021026
Score: 30.1746
Type of gen. func.: revogf

$$\frac{-2 + ((4 + x) (x + 1))^{1/2}}{5 + x}$$

Sequence: A021027
Score: 6.59901
Type of gen. func.: ogf

$$-\frac{x (3 x^{10} - 2 x^9 + 8 x^8 - 6 x^7 + 4 x^6 - 6 x^5 + x^4 + 3 x^3 + x^2 - x + 4)}{(x - 1) (x + 1) (x^{10} - x^9 + x^8 - x^7 + x^6 - x^5 + x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A021028
Score: 10.9408
Type of gen. func.: ogf

$$(1355 f(x) - 667) (5 x^3 + f(x) x - 3 x^2 - f(x) + 4 x)$$

Sequence: A021028

Score: 18.7556
Type of gen. func.: ogf

$$-\frac{x\,(5\,x^{2}-3\,x+4)}{x-1}$$

Sequence: A021028
Score: 25.8640
Type of gen. func.: lgdogf

$$\frac{5\,x^{2}-10\,x-1}{(x-1)\,(5\,x^{2}-3\,x+4)}$$

Sequence: A021028
Score: 9.67394
Type of gen. func.: ogf

{-a(n + 4) + a(n + 3), a(0) = 0, a(1) = 4, a(2) = 1, a(3) = 6}

Sequence: A021029
Score: 4.0026
Type of gen. func.: ogf

$$(41591\,f(x)+5508)$$

$$(36\,f(x)\,x^{4}-72\,f(x)\,x^{3}+47\,f(x)\,x^{2}-12\,f(x)\,x+f(x)-1)$$

Sequence: A021029
Score: 8.78166
Type of gen. func.: lgdogf

$$-\frac{2\,(72\,x^{3}-108\,x^{2}+47\,x-6)}{(x-1)\,(6\,x-1)\,(3\,x-1)\,(2\,x-1)}$$

Sequence: A021029
Score: 9.66666
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (6 x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A021030
Score: 11.0395
Type of gen. func.: lgdogf

$$- \frac{5 x^6 - 8 x^5 + 19 x^4 - 8 x^3 + 10 x^2 - 8 x + 8}{(x - 1) (x + 1) (x^2 - x + 1) (5 x^3 - 4 x^2 + 5 x + 3)}$$

Sequence: A021030
Score: 12.5894
Type of gen. func.: ogf

$$- \frac{x (5 x^3 - 4 x^2 + 5 x + 3)}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A021030
Score: 6.75753
Type of gen. func.: ogf

$-(10042 f(x) + 108987)$

$$(f(x) x^4 - f(x) x^3 + 5 x^4 - 4 x^3 + f(x) x + 5 x^2 - f(x) + 3 x)$$

Sequence: A021031
Score: 10.2931
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n), a(0) = 0, a(1) = 3, a(2) = 7\}$$

Sequence: A021031
Score: 17.1551
Type of gen. func.: ogf

$$- \frac{x (7 x + 3)}{}$$

$$(x - 1) (x^2 + x + 1)$$

Sequence: A021031
Score: 22.0790
Type of gen. func.: lgdogf

$$- \frac{14 x^3 + 9 x^2 + 7}{(x - 1) (7 x + 3) (x^2 + x + 1)}$$

Sequence: A021031
Score: 9.89718
Type of gen. func.: ogf

$$(1977 f(x) + 19453) (f(x) x^3 + 7 x^2 - f(x) + 3 x)$$

Sequence: A021032
Score: 10.1712
Type of gen. func.: lgdogf

$$- \frac{2 x^6 + 4 x^5 - 11 x^4 + 34 x^3 - 20 x^2 + 4 x + 5}{(x - 1) (x + 1) (x^2 - x + 1) (5 x^4 - 3 x^3 + 2 x^2 + 2 x + 3)}$$

Sequence: A021032
Score: 11.3460
Type of gen. func.: ogf

$$- \frac{x (5 x^4 - 3 x^3 + 2 x^2 + 2 x + 3)}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A021033
Score: 5.83459
Type of gen. func.: ogf

$$- x (x^{13} + 2 x^{12} + 6 x^{11} - 2 x^{10} - 4 x^9 - 2 x^8 + 3 x^7 - 2 x^6 + 5 x^5 - 6 x^4$$

$$+ 4 x^3 + x + 3) \Big/ ((x - 1) (x^2 + 1) (x^{12} - x^{10} + x^8 - x^6 + x^4 - x^2 + 1))$$

Sequence: A021034
Score: 10.2222
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (3 x - 1) (2 x - 1) (7 x - 1)}$$

Sequence: A021034
Score: 3.81533
Type of gen. func.: ogf

$$(799507554131 f(x) + 90718088832)$$

$$(42 f(x) x^4 - 83 f(x) x^3 + 53 f(x) x^2 - 13 f(x) x + f(x) - 1)$$

Sequence: A021034
Score: 9.13792
Type of gen. func.: lgdogf

$$- \frac{168 x^3 - 249 x^2 + 106 x - 13}{(x - 1) (3 x - 1) (2 x - 1) (7 x - 1)}$$

Sequence: A021035
Score: 6.18192
Type of gen. func.: ogf

$$- x (9 x^{13} + 2 x^{12} + x^{11} + 6 x^{10} + x^9 + 5 x^8 + 4 x^7 + 6 x^6 + 8 x^4 + 5 x^3 + 2 x^2$$

$$+ 2 x + 3) \Big/ ((x - 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)$$

$$(x^8 - x^7 + x^5 - x^4 + x^3 - x + 1))$$

Sequence: A021036
Score: 28.2887

Type of gen. func.: lgdogf

$$\frac{15 x^2 + 4 x + 1}{5 x^3 + 2 x^2 + x + 3}$$

Sequence: A021036
Score: 5.47284
Type of gen. func.: ogf

$$\{-a(n + 5), a(0) = 0, a(1) = 3, a(2) = 1, a(3) = 2, a(4) = 5\}$$

Sequence: A021036
Score: 6.5822
Type of gen. func.: ogf

$$(651 f(x) + 2810) (-5 x^4 - 2 x^3 - x^2 + f(x) - 3 x)$$

Sequence: A021037
Score: 11.0137
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 0, a(1) = 3\}$$

Sequence: A021037
Score: 16.9235
Type of gen. func.: ogf

$$f(x) x^2 - f(x) + 3 x$$

Sequence: A021037
Score: 21.0262
Type of gen. func.: ogf

$$- \frac{3 x}{(x - 1) (x + 1)}$$

Sequence: A021037
Score: 34.8169
Type of gen. func.: revogf

$$\frac{-3 + (4 x^2 + 9)^{1/2}}{2 x}$$

Sequence: A021037
Score: 53.2562
Type of gen. func.: ogf_with_Euler_transform]

$$[x]$$

Sequence: A021037
Score: 56.5774
Type of gen. func.: lgdogf

$$- \frac{2 x}{(x - 1) (x + 1)}$$

Sequence: A021038
Score: 8.49003
Type of gen. func.: ogf

$$- \frac{x (5 x^8 - 2 x^7 - x^6 + 6 x^5 - 3 x^3 - 5 x^2 + 7 x + 2)}{(x - 1) (x^8 + 1)}$$

Sequence: A021039
Score: 11.0395
Type of gen. func.: lgdogf

$$- \frac{4 x^6 - 6 x^5 + 21 x^4 - 12 x^3 + 9 x^2 - 6 x + 8}{(x - 1) (x + 1) (x^2 - x + 1) (4 x^3 - 3 x^2 + 6 x + 2)}$$

Sequence: A021039
Score: 12.5894

Type of gen. func.: ogf

$$-\frac{x\,(4\,x^{3}-3\,x^{2}+6\,x+2)}{(x-1)\,(x+1)\,(x^{2}-x+1)}$$

Sequence: A021039
Score: 6.75753
Type of gen. func.: ogf

$$-(63931\,f(x)+744333)$$

$$(f(x)\,x^{4}-f(x)\,x^{3}+4\,x^{4}-3\,x^{3}+f(x)\,x+6\,x^{2}-f(x)+2\,x)$$

Sequence: A021040
Score: 11.0726
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+2),\ a(0)=0,\ a(1)=2,\ a(2)=7\}$$

Sequence: A021040
Score: 13.7168
Type of gen. func.: ogf

$$-f(x)\,(f(x)\,x+5\,x^{2}-f(x)+2\,x)$$

Sequence: A021040
Score: 22.4152
Type of gen. func.: ogf

$$-\frac{x\,(5\,x+2)}{x-1}$$

Sequence: A021040
Score: 25.8640
Type of gen. func.: revogf

$$-\frac{x}{}-1/5+\frac{(x^{2}+24\,x+4)^{1/2}}{}$$

^{10} ^{10}

Sequence: A021040
Score: 56.5774
Type of gen. func.: lgdogf

$$-\frac{7}{(5 x + 2) (x - 1)}$$

Sequence: A021041
Score: 10.2931
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n), a(0) = 0, a(1) = 2, a(2) = 7\}$$

Sequence: A021041
Score: 17.1551
Type of gen. func.: ogf

$$-\frac{x (7 x + 2)}{(x - 1) (x^2 + x + 1)}$$

Sequence: A021041
Score: 22.0790
Type of gen. func.: lgdogf

$$-\frac{14 x^3 + 6 x^2 + 7}{(7 x + 2) (x - 1) (x^2 + x + 1)}$$

Sequence: A021041
Score: 9.41439
Type of gen. func.: ogf

$$-(1356 f(x) + 17591) (f(x) x^3 + 7 x^2 - f(x) + 2 x)$$

Sequence: A021042
Score: 7.28494
Type of gen. func.: ogf

$$-\frac{x\,(5\,x^9-5\,x^8+x^7+x^6+2\,x^5+4\,x^4-2\,x^3-3\,x^2+4\,x+2)}{(x-1)\,(x+1)\,(x^2-x+1)\,(x^6-x^3+1)}$$

Sequence: A021043
Score: 14.8334
Type of gen. func.: ogf

$$-\frac{x\,(x+2)}{(x-1)\,(x^2-x+1)}$$

Sequence: A021043
Score: 21.5533
Type of gen. func.: lgdogf

$$-\frac{2\,x^3+4\,x^2-8\,x+5}{(x+2)\,(x-1)\,(x^2-x+1)}$$

Sequence: A021043
Score: 7.61714
Type of gen. func.: ogf

$$\{a(n+3)-2\,a(n+2)+2\,a(n+1)-a(n),\ a(0)=0,\ a(1)=2,\ a(2)=5\}$$

Sequence: A021043
Score: 7.68638
Type of gen. func.: ogf

$$(94\,f(x)-377)\,(f(x)\,x^3-2\,f(x)\,x^2+2\,f(x)\,x+x^2-f(x)+2\,x)$$

Sequence: A021044
Score: 11.9681
Type of gen. func.: lgdogf

$$-\frac{2\,(96\,x^3 - 141\,x^2 + 59\,x - 7)}{(x - 1)\,(3\,x - 1)\,(2\,x - 1)\,(8\,x - 1)}$$

Sequence: A021044
Score: 13.3270
Type of gen. func.: ogf

$$\frac{1}{(x - 1)\,(3\,x - 1)\,(2\,x - 1)\,(8\,x - 1)}$$

Sequence: A021044
Score: 5.04521
Type of gen. func.: ogf

$$(15585073031\,f(x) + 1546214400)$$

$$(48\,f(x)\,x^4 - 94\,f(x)\,x^3 + 59\,f(x)\,x^2 - 14\,f(x)\,x + f(x) - 1)$$

Sequence: A021045
Score: 10.5260
Type of gen. func.: lgdogf

$$-\frac{18\,x^7 + 9\,x^6 + 16\,x^5 + 10\,x^4 + 27\,x^2 + 6\,x + 4}{(x - 1)\,(x^4 + x^3 + x^2 + x + 1)\,(9\,x^3 + 3\,x^2 + 4\,x + 2)}$$

Sequence: A021045
Score: 13.6347
Type of gen. func.: ogf

$$-\frac{x\,(9\,x^3 + 3\,x^2 + 4\,x + 2)}{(x - 1)\,(x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A021046
Score: 12.2537
Type of gen. func.: ogf

$$-\frac{x\,(5\,x^{5}+9\,x^{4}+8\,x^{2}+3\,x+2)}{(x-1)\,(x+1)\,(x^{2}+x+1)\,(x^{2}-x+1)}$$

Sequence: A021046
Score: 7.80378
Type of gen. func.: lgdogf

$$-\frac{5\,x^{10}+18\,x^{9}+32\,x^{7}+15\,x^{6}+12\,x^{5}+25\,x^{4}+36\,x^{3}+16\,x+3}{(x-1)\,(x+1)\,(x^{2}+x+1)\,(x^{2}-x+1)\,(5\,x^{5}+9\,x^{4}+8\,x^{2}+3\,x+2)}$$

Sequence: A021048
Score: 10.0009
Type of gen. func.: lgdogf

$$-\frac{216\,x^{3}-315\,x^{2}+130\,x-15}{(x-1)\,(3\,x-1)\,(2\,x-1)\,(9\,x-1)}$$

Sequence: A021048
Score: 10.9599
Type of gen. func.: ogf

$$\frac{1}{(x-1)\,(3\,x-1)\,(2\,x-1)\,(9\,x-1)}$$

Sequence: A021048
Score: 4.38394
Type of gen. func.: ogf

$$(37240253\,f(x)+3281472)$$

$$(54\,f(x)\,x^{4}-105\,f(x)\,x^{3}+65\,f(x)\,x^{2}-15\,f(x)\,x+f(x)-1)$$

Sequence: A021049
Score: 10.2769
Type of gen. func.: ogf

$$\frac{1}{(x - 1)(3 x - 1)(2 x - 1)(10 x - 1)}$$

Sequence: A021049
Score: 3.99246
Type of gen. func.: ogf

$$(9034195379 f(x) + 715884750)$$

$$(60 f(x) x^4 - 116 f(x) x^3 + 71 f(x) x^2 - 16 f(x) x + f(x) - 1)$$

Sequence: A021049
Score: 9.05649
Type of gen. func.: lgdogf

$$- \frac{2 (120 x^3 - 174 x^2 + 71 x - 8)}{(x - 1)(3 x - 1)(2 x - 1)(10 x - 1)}$$

Sequence: A021050
Score: 6.18076
Type of gen. func.: ogf

$$- x (5 x^{11} + x^{10} - x^9 + 4 x^8 - 3 x^7 + 2 x^6 - 8 x^5 + 6 x^4 - 4 x^3 + 6 x^2 - x + 2) / ((x - 1)(x + 1)(x^{10} - x^9 + x^8 - x^7 + x^6 - x^5 + x^4 - x^3 + x^2 - x + 1))$$

Sequence: A021052
Score: 16.0426
Type of gen. func.: ogf

$$\frac{x (5 x^3 - 8 x^2 + 2 x - 2)}{x - 1}$$

Sequence: A021052
Score: 20.5736

Type of gen. func.: lgdogf

$$\frac{x (10 x^2 - 23 x + 16)}{(x - 1) (5 x^3 - 8 x^2 + 2 x - 2)}$$

Sequence: A021052
Score: 4.86398
Type of gen. func.: ogf

$$\{(182 n^2 - 216 n - 296) a(n + 1) + (-321 n^2 - 99 n + 222) a(n + 2) + (139 n^2 + 315 n + 74) a(n + 3), a(0) = 0, a(1) = 2, a(2) = 0\}$$

Sequence: A021052
Score: 9.14429
Type of gen. func.: ogf

$$-(11675 f(x) + 458008) (-5 x^4 + 8 x^3 + f(x) x - 2 x^2 - f(x) + 2 x)$$

Sequence: A021054
Score: 10.2769
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (3 x - 1) (2 x - 1) (11 x - 1)}$$

Sequence: A021054
Score: 3.77518
Type of gen. func.: ogf

$$(17849192428999 f(x) + 1284863323392) (66 f(x) x^4 - 127 f(x) x^3 + 77 f(x) x^2 - 17 f(x) x + f(x) - 1)$$

Sequence: A021054
Score: 9.05649
Type of gen. func.: lgdogf

$$-\frac{264 x^{3} - 381 x^{2} + 154 x - 17}{(x - 1) (3 x - 1) (2 x - 1) (11 x - 1)}$$

Sequence: A021055
Score: 5.83705
Type of gen. func.: ogf

$$- x (9 x^{14} + 4 x^{13} + 5 x^{12} + 2 x^{11} + 7 x^{10} + 3 x^{9} + x^{8} + 3 x^{7} + 4 x^{6} + 8 x^{5} + 7 x^{4} + 6 x^{2} + 9 x + 1) / ((x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1) (x^{8} + 1))$$

Sequence: A021056
Score: 10.0582
Type of gen. func.: lgdogf

$$-\frac{7 x^{6} - 14 x^{5} + 16 x^{4} + 4 x^{3} + 10 x^{2} - 14 x + 9}{(x - 1) (x + 1) (5 x^{4} + 2 x^{3} - 7 x^{2} + 8 x + 1) (x^{2} - x + 1)}$$

Sequence: A021056
Score: 10.4383
Type of gen. func.: ogf

$$-\frac{x (5 x^{4} + 2 x^{3} - 7 x^{2} + 8 x + 1)}{(x - 1) (x + 1) (x^{2} - x + 1)}$$

Sequence: A021057
Score: 6.87487
Type of gen. func.: ogf

$$- x (3 x^{11} + 8 x^{10} + 2 x^{9} + 5 x^{8} + 4 x^{7} + 2 x^{6} + 9 x^{5} + 7 x^{4} + 6 x^{3} + 8 x^{2} + 8 x + 1) / ((x - 1) (x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1))$$

Sequence: A021058
Score: 10.2114
Type of gen. func.: ogf

$$-(3527 f(x) - 23246) (f(x) x^3 + 5 x^3 + 8 x^2 - f(x) + x)$$

Sequence: A021058
Score: 15.6076
Type of gen. func.: lgdogf

$$-\frac{5 x^4 + 16 x^3 + 3 x^2 + 10 x + 8}{(x - 1) (x^2 + x + 1) (5 x^2 + 8 x + 1)}$$

Sequence: A021058
Score: 17.3401
Type of gen. func.: ogf

$$-\frac{x (5 x^2 + 8 x + 1)}{(x - 1) (x^2 + x + 1)}$$

Sequence: A021058
Score: 9.67394
Type of gen. func.: ogf

{a(n + 4) - a(n + 1), a(0) = 0, a(1) = 1, a(2) = 8, a(3) = 5}

Sequence: A021059
Score: 11.0726
Type of gen. func.: ogf

{a(n + 3) - a(n + 1), a(0) = 0, a(1) = 1, a(2) = 8}

Sequence: A021059
Score: 13.7168
Type of gen. func.: ogf

$$-f(x) (f(x) x^2 + 8 x^2 - f(x) + x)$$

Sequence: A021059
Score: 20.4228
Type of gen. func.: ogf

$$- \frac{x (8 x + 1)}{(x - 1) (x + 1)}$$

Sequence: A021059
Score: 25.8640
Type of gen. func.: revogf

$$\frac{-1 + (4 x^2 + 32 x + 1)^{1/2}}{2 (8 + x)}$$

Sequence: A021059
Score: 26.6247
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^2 + x + 4)}{(x - 1) (8 x + 1) (x + 1)}$$

Sequence: A021060
Score: 10.3261
Type of gen. func.: ogf

$$\frac{x (5 x^5 - 8 x^4 + 2 x^3 - x^2 - 6 x - 1)}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A021060
Score: 8.53999
Type of gen. func.: lgdogf

8 7 6 5 4 3 2

$$\frac{5 x - 10 x + 6 x + 22 x - 32 x + 28 x - 10 x + 2 x + 7}{(x - 1) (x + 1) (x^{2} - x + 1) (5 x^{5} - 8 x^{4} + 2 x^{3} - x^{2} - 6 x - 1)}$$

Sequence: A021062
Score: 5.54286
Type of gen. func.: ogf

$$- x (5 x^{14} + x^{12} + 3 x^{11} - x^{10} - 2 x^{9} - 6 x^{8} + 2 x^{7} + 4 x^{6} + 2 x^{5} - 3 x^{4} + 2 x^{3} - 5 x^{2} + 6 x + 1) / ((x - 1) (x^{2} + 1) (x^{12} - x^{10} + x^{8} - x^{6} + x^{4} - x^{2} + 1))$$

Sequence: A021064
Score: 3.74984
Type of gen. func.: ogf

$$(116281811 f(x) + 7667712)$$

$$(72 f(x) x^{4} - 138 f(x) x^{3} + 83 f(x) x^{2} - 18 f(x) x + f(x) - 1)$$

Sequence: A021064
Score: 8.45161
Type of gen. func.: lgdogf

$$- \frac{2 (144 x^{3} - 207 x^{2} + 83 x - 9)}{(x - 1) (3 x - 1) (2 x - 1) (12 x - 1)}$$

Sequence: A021064
Score: 9.44404
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (3 x - 1) (2 x - 1) (12 x - 1)}$$

Sequence: A021067
Score: 14.8334

Type of gen. func.: ogf

$$-\frac{x (3 x + 1)}{(x - 1) (x^2 - x + 1)}$$

Sequence: A021067
Score: 20.5736
Type of gen. func.: lgdogf

$$-\frac{(x + 1) (6 x^2 - 9 x + 5)}{(x - 1) (3 x + 1) (x^2 - x + 1)}$$

Sequence: A021067
Score: 7.35219
Type of gen. func.: ogf

$$-(409 f(x) - 901) (f(x) x^3 - 2 f(x) x^2 + 2 f(x) x + 3 x^2 - f(x) + x)$$

Sequence: A021067
Score: 7.61714
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 5\}$$

Sequence: A021068
Score: 19.2604
Type of gen. func.: lgdogf

$$\frac{20 x^3 + 6 x^2 + 12 x + 5}{5 x^4 + 2 x^3 + 6 x^2 + 5 x + 1}$$

Sequence: A021069
Score: 10.9065
Type of gen. func.: lgdogf

6 5 4 3 2

$$-\frac{6 x - 4 x + 14 x - 16 x + 17 x - 4 x + 5}{(x - 1) (x + 1) (x^2 - x + 1) (6 x^3 - 2 x^2 + 4 x + 1)}$$

Sequence: A021069
Score: 12.5894
Type of gen. func.: ogf

$$-\frac{x (6 x^3 - 2 x^2 + 4 x + 1)}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A021069
Score: 7.01545
Type of gen. func.: ogf

$(38240 f(x) + 57771)$

$$(f(x) x^4 - f(x) x^3 + 6 x^4 - 2 x^3 + f(x) x + 4 x^2 - f(x) + x)$$

Sequence: A021070
Score: 11.0726
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 1), a(0) = 0, a(1) = 1, a(2) = 5\}$$

Sequence: A021070
Score: 13.7168
Type of gen. func.: ogf

$$-f(x) (f(x) x^2 + 5 x^2 - f(x) + x)$$

Sequence: A021070
Score: 20.4228
Type of gen. func.: ogf

$$-\frac{x (5 x + 1)}{(x - 1) (x + 1)}$$

Sequence: A021070
Score: 25.8640
Type of gen. func.: revogf

$$\frac{-1 + (4 x^2 + 20 x + 1)^{1/2}}{2 (5 + x)}$$

Sequence: A021070
Score: 26.6247
Type of gen. func.: lgdogf

$$- \frac{5 x^2 + 2 x + 5}{(x - 1) (5 x + 1) (x + 1)}$$

Sequence: A021072
Score: 7.81976
Type of gen. func.: ogf

$$- \frac{x (5 x^9 + 2 x^8 - 6 x^7 + 3 x^5 + 5 x^4 - 7 x^3 + 3 x^2 + 3 x + 1)}{(x - 1) (x^8 + 1)}$$

Sequence: A021074
Score: 3.5632
Type of gen. func.: ogf

$(1411150873 f(x) + 169888000)$

$$(40 f(x) x^4 - 78 f(x) x^3 + 49 f(x) x^2 - 12 f(x) x + f(x) - 1)$$

Sequence: A021074
Score: 8.57042
Type of gen. func.: lgdogf

$$- \frac{2 (5 x - 2) (16 x^2 - 17 x + 3)}{(x - 1) (4 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A021074
Score: 9.27775
Type of gen. func.: ogf

$$\frac{1}{(x-1)(4x-1)(2x-1)(5x-1)}$$

Sequence: A021076
Score: 3.8321
Type of gen. func.: ogf

$$(113824139 f(x) + 11413440)$$

$$(48 f(x) x^4 - 92 f(x) x^3 + 56 f(x) x^2 - 13 f(x) x + f(x) - 1)$$

Sequence: A021076
Score: 8.78255
Type of gen. func.: lgdogf

$$-\frac{192 x^3 - 276 x^2 + 112 x - 13}{(x-1)(6x-1)(4x-1)(2x-1)}$$

Sequence: A021076
Score: 9.83332
Type of gen. func.: ogf

$$\frac{1}{(x-1)(6x-1)(4x-1)(2x-1)}$$

Sequence: A021077
Score: 11.7563
Type of gen. func.: lgdogf

$$-\frac{6 x^7 + 6 x^6 + 2 x^5 - x^4 - 10 x^3 + 6 x^2 + 6 x + 3}{(x-1)(3 x^3 + 3 x^2 + 2 x + 1)(x^4 + 1)}$$

Sequence: A021077
Score: 11.8340
Type of gen. func.: ogf

$$-\frac{x\,(3\,x^{3}+3\,x^{2}+2\,x+1)}{(x-1)\,(x^{4}+1)}$$

Sequence: A021078
Score: 11.4845
Type of gen. func.: ogf

$$(93\,f(x)+16)\,(f(x)\,x^{3}+5\,x^{3}+3\,x^{2}-f(x)+x)$$

Sequence: A021078
Score: 16.0777
Type of gen. func.: lgdogf

$$-\frac{5\,x^{4}+6\,x^{3}+3\,x^{2}+10\,x+3}{(x-1)\,(x^{2}+x+1)\,(5\,x^{2}+3\,x+1)}$$

Sequence: A021078
Score: 17.5518
Type of gen. func.: ogf

$$-\frac{x\,(5\,x^{2}+3\,x+1)}{(x-1)\,(x^{2}+x+1)}$$

Sequence: A021078
Score: 9.79204
Type of gen. func.: ogf

$$\{a(n+4)-a(n+1),\ a(0)=0,\ a(1)=1,\ a(2)=3,\ a(3)=5\}$$

Sequence: A021079
Score: 10.1965

Type of gen. func.: ogf

$$\frac{1}{(x-1)(4x-1)(2x-1)(7x-1)}$$

Sequence: A021079
Score: 3.90504
Type of gen. func.: ogf

$$(41683481081\,f(x) + 3578263808)$$

$$(56\,f(x)\,x^4 - 106\,f(x)\,x^3 + 63\,f(x)\,x^2 - 14\,f(x)\,x + f(x) - 1)$$

Sequence: A021079
Score: 8.98054
Type of gen. func.: lgdogf

$$-\frac{2\,(112x^3 - 159x^2 + 63x - 7)}{(x-1)(4x-1)(2x-1)(7x-1)}$$

Sequence: A021080
Score: 6.78824
Type of gen. func.: ogf

$$-\frac{x\,(5x^{10} - 3x^9 + 3x^8 - 5x^7 + x^6 + x^5 + 2x^4 + 4x^3 - 2x^2 + 2x + 1)}{(x-1)(x+1)(x^2-x+1)(x^6-x^3+1)}$$

Sequence: A021081
Score: 13.0077
Type of gen. func.: ogf

$$-\frac{x\,(7x^2 + x + 1)}{(x-1)(x+1)(x^2-x+1)}$$

Sequence: A021081
Score: 13.7157

Type of gen. func.: lgdogf

$$-\frac{2\,(7\,x^5 - 2\,x^4 + x^3 - 5\,x^2 + 7\,x + 1)}{(x - 1)\,(x + 1)\,(x^2 - x + 1)\,(7\,x^2 + x + 1)}$$

Sequence: A021081
Score: 6.71033
Type of gen. func.: ogf

$$-(7573\,f(x) - 76677)\,(f(x)\,x^4 - f(x)\,x^3 + 7\,x^3 + f(x)\,x + x^2 - f(x) + x)$$

Sequence: A021082
Score: 8.71652
Type of gen. func.: ogf

$$-\frac{x\,(5\,x^4 - 5\,x^3 + 7\,x^2 + x + 1)}{(x - 1)\,(x^2 + x + 1)\,(x^2 - x + 1)}$$

Sequence: A021082
Score: 9.05239
Type of gen. func.: lgdogf

$$-\frac{5\,x^8 - 10\,x^7 + 21\,x^6 - 11\,x^4 + 28\,x^3 - 20\,x^2 + 12\,x + 2}{(x - 1)\,(x^2 + x + 1)\,(x^2 - x + 1)\,(5\,x^4 - 5\,x^3 + 7\,x^2 + x + 1)}$$

Sequence: A021083
Score: 6.87487
Type of gen. func.: ogf

$$-x\,(x^{11} + 8\,x^{10} + 4\,x^9 + 8\,x^8 + 7\,x^7 + 2\,x^6 + 2\,x^5 + 8\,x^4 + 5\,x^3 + 6\,x^2 + 2\,x + 1) \Big/ \left((x - 1)\,(x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\right)$$

Sequence: A021084
Score: 3.71908
Type of gen. func.: ogf

$$(233521081519 f(x) + 15550818048)$$

$$(72 f(x) x^4 - 134 f(x) x^3 + 77 f(x) x^2 - 16 f(x) x + f(x) - 1)$$

Sequence: A021084
Score: 8.81808
Type of gen. func.: lgdogf

$$- \frac{2 (144 x^3 - 201 x^2 + 77 x - 8)}{(x - 1) (4 x - 1) (9 x - 1) (2 x - 1)}$$

Sequence: A021084
Score: 9.84867
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (4 x - 1) (9 x - 1) (2 x - 1)}$$

Sequence: A021085
Score: 9.38788
Type of gen. func.: ogf

$$- \frac{x (9 x^7 + 7 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1)}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A021086
Score: 13.3192
Type of gen. func.: ogf

$$- \frac{x (5 x^4 + 9 x^3 + x^2 + 2 x + 1)}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A021086
Score: 8.96276
Type of gen. func.: lgdogf

$$-\frac{5x^8+18x^7+3x^6+8x^5+5x^4+20x^3+27x^2+2x+2}{(x-1)(x^4+x^3+x^2+x+1)(5x^4+9x^3+x^2+2x+1)}$$

Sequence: A021088
Score: 10.9805
Type of gen. func.: ogf

$$-\frac{x(5x^6+7x^5+4x^4+9x^2+x+1)}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A021088
Score: 7.67151
Type of gen. func.: lgdogf

$$-(7x^{10}+8x^9+36x^7+5x^6+36x^5+35x^4+16x^3+18x+1)\Big/\Big((x-1)(x+1)(x^2+x+1)(x^2-x+1)(5x^6+7x^5+4x^4+9x^2+x+1)\Big)$$

Sequence: A021089
Score: 8.49003
Type of gen. func.: ogf

$$-\frac{x(4x^8+5x^7-7x^6+3x^5-2x^4-x^3+6x^2+1)}{(x-1)(x^8+1)}$$

Sequence: A021092
Score: 10.2769
Type of gen. func.: ogf

$$\frac{1}{\quad}$$

$$(x - 1) (4 x - 1) (2 x - 1) (10 x - 1)$$

Sequence: A021092
Score: 4.05074
Type of gen. func.: ogf

$$(342512363 f(x) + 20504000)$$

$$(80 f(x) x^4 - 148 f(x) x^3 + 84 f(x) x^2 - 17 f(x) x + f(x) - 1)$$

Sequence: A021092
Score: 8.90803
Type of gen. func.: lgdogf

$$- \frac{320 x^3 - 444 x^2 + 168 x - 17}{(x - 1) (4 x - 1) (2 x - 1) (10 x - 1)}$$

Sequence: A021094
Score: 10.3304
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (2 x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A021094
Score: 3.92846
Type of gen. func.: ogf

$$(103384569973 f(x) + 5620440320)$$

$$(88 f(x) x^4 - 162 f(x) x^3 + 91 f(x) x^2 - 18 f(x) x + f(x) - 1)$$

Sequence: A021094
Score: 8.95541
Type of gen. func.: lgdogf

$$- \frac{2 (176 x^3 - 243 x^2 + 91 x - 9)}{(x - 1) (2 x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A021095
Score: 11.8059
Type of gen. func.: ogf

$$-\frac{x\,(9\,x^{2}-x+1)}{(x-1)\,(x+1)\,(x^{2}-x+1)}$$

Sequence: A021095
Score: 14.6006
Type of gen. func.: lgdogf

$$-\frac{6\,x\,(x^{2}+x+1)\,(3\,x^{2}-5\,x+3)}{(x-1)\,(x+1)\,(9\,x^{2}-x+1)\,(x^{2}-x+1)}$$

Sequence: A021095
Score: 6.09036
Type of gen. func.: ogf

$$-(4771\,f(x)-34844)\,(f(x)\,x^{4}-f(x)\,x^{3}+9\,x^{3}+f(x)\,x-x^{2}-f(x)+x)$$

Sequence: A021096
Score: 5.81237
Type of gen. func.: ogf

$$-x\,(5\,x^{12}-3\,x^{11}+6\,x^{10}-x^{9}-3\,x^{8}-x^{7}+x^{6}-4\,x^{5}+3\,x^{4}-2\,x^{3}+8\,x^{2}-x+1)\Big/\big((x-1)\,(x+1)\,(x^{10}-x^{9}+x^{8}-x^{7}+x^{6}-x^{5}+x^{4}-x^{3}+x^{2}-x+1)\big)$$

Sequence: A021097
Score: 6.39782
Type of gen. func.: ogf

13 12 10 9 8 7 6 5 4 3

$$- x (3 x + 4 x + 2 x + 7 x + x + 8 x + 8 x + 6 x + 2 x + 5 x$$

$$+ 7 x^{2} + 1) / ((x - 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{2} + x + 1)$$

$$(x^{8} - x^{7} + x^{5} - x^{4} + x^{3} - x + 1))$$

Sequence: A021099
Score: 7.24759
Type of gen. func.: ogf

$$- \frac{x (2 x^{9} + 2 x^{8} + 4 x^{7} - 2 x^{6} - 3 x^{5} + 4 x^{4} - 3 x^{3} + 5 x^{2} - x + 1)}{(x - 1) (x + 1) (x^{2} - x + 1) (x^{6} - x^{3} + 1)}$$

Sequence: A021100
Score: 14.0681
Type of gen. func.: ogf

$$- \frac{x (5 x^{4} - 3 x^{3} + 4 x^{2} - x + 1)}{x - 1}$$

Sequence: A021100
Score: 16.4589
Type of gen. func.: lgdogf

$$\frac{x (15 x^{3} - 26 x^{2} + 13 x - 8)}{(x - 1) (5 x^{4} - 3 x^{3} + 4 x^{2} - x + 1)}$$

Sequence: A021104
Score: 3.7986
Type of gen. func.: ogf

$$(51783617 f(x) + 2578176)$$

$$(96 f(x) x^{4} - 176 f(x) x^{3} + 98 f(x) x^{2} - 19 f(x) x + f(x) - 1)$$

Sequence: A021104
Score: 9.49650
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (2 x - 1) (12 x - 1) (4 x - 1)}$$

Sequence: A021105
Score: 15.4192
Type of gen. func.: ogf

$$- \frac{9 x^2}{(x^2 + 1) (x - 1)}$$

Sequence: A021105
Score: 23.8734
Type of gen. func.: ogf_with_Euler_transform]

$$[x^3 - x + 1]$$

Sequence: A021105
Score: 31.2151
Type of gen. func.: lgdogf

$$- \frac{3 x^2 - 2 x + 1}{(x - 1) (x^2 + 1)}$$

Sequence: A021105
Score: 6.30785
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 0, a(2) = 9}

Sequence: A021105
Score: 6.73653
Type of gen. func.: ogf

$$(f(x) - 9) (f(x) x^3 - f(x) x^2 + f(x) x + 9 x^2 - f(x))$$

Sequence: A021106
Score: 5.61625
Type of gen. func.: ogf

$$- x^2 (5 x^{14} + 4 x^{13} + 7 x^{12} + 2 x^{11} + 6 x^{10} + 8 x^9 + 6 x^8 + 5 x^7 + x^6 + 2 x^5 + 9 x^4 + 3 x^3 + 8 x + 9) / ((x - 1) (x + 1) (x^2 + 1) (x^4 + 1) (x^8 + 1))$$

Sequence: A021108
Score: 10.0582
Type of gen. func.: lgdogf

$$\frac{8 x^6 - 10 x^5 + 11 x^4 - 4 x^3 + 17 x^2 - 10 x + 6}{(x - 1) (x + 1) (x^2 - x + 1) (5 x^4 - 13 x^3 + 5 x^2 + 3 x - 9)}$$

Sequence: A021108
Score: 10.6329
Type of gen. func.: ogf

$$\frac{x^2 (5 x^4 - 13 x^3 + 5 x^2 + 3 x - 9)}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A021109
Score: 11.5193
Type of gen. func.: ogf

$$- \frac{x^2 (8 x^4 + 3 x^3 + 2 x^2 + 5 x + 9)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A021109
Score: 8.08249
Type of gen. func.: lgdogf

$$-\frac{16 x^{9} + 9 x^{8} + 8 x^{7} + 25 x^{6} + 54 x^{5} + 32 x^{3} + 9 x^{2} + 4 x + 5}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (8 x^{4} + 3 x^{3} + 2 x^{2} + 5 x + 9)}$$

Sequence: A021110
Score: 6.58405
Type of gen. func.: ogf

$$- x^{2} (5 x^{11} + x^{10} + 4 x^{9} + 6 x^{8} + 2 x^{7} + 2 x^{6} + 6 x^{5} + 9 x^{4} + 3 x^{3} + 3 x^{2} + 4 x + 9) / ((x - 1) (x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1))$$

Sequence: A021112
Score: 11.8581
Type of gen. func.: ogf

$$\{a(n + 3) - a(n), a(0) = 9, a(1) = 2, a(2) = 5\}$$

Sequence: A021112
Score: 15.2227
Type of gen. func.: lgdogf

$$-\frac{5 x^{4} + 4 x^{3} + 27 x^{2} + 10 x + 2}{(x - 1) (x^{2} + x + 1) (5 x^{2} + 2 x + 9)}$$

Sequence: A021112
Score: 18.3922
Type of gen. func.: ogf

$$-\frac{5 x^{2} + 2 x + 9}{(x - 1) (x^{2} + x + 1)}$$

Sequence: A021112
Score: 9.72797
Type of gen. func.: ogf

$$(494789 f(x) + 2675828) (f(x) x^3 + 5 x^4 + 2 x^3 + 9 x^2 - f(x))$$

Sequence: A021114
Score: 3.91159
Type of gen. func.: ogf

$$(211633417 f(x) + 16983000)$$

$$(60 f(x) x^4 - 112 f(x) x^3 + 65 f(x) x^2 - 14 f(x) x + f(x) - 1)$$

Sequence: A021114
Score: 8.88323
Type of gen. func.: lgdogf

$$- \frac{2 (120 x^3 - 168 x^2 + 65 x - 7)}{(x - 1) (6 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A021114
Score: 9.92385
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (6 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A021115
Score: 18.7982
Type of gen. func.: ogf

$$- \frac{9 x^2}{(x - 1) (x^2 + x + 1)}$$

Sequence: A021115
Score: 36.4101

Type of gen. func.: ogf_with_Euler_transform]

$$[x^{2}]$$

Sequence: A021115
Score: 41.1472
Type of gen. func.: lgdogf

$$-\frac{3 x^{2}}{(x - 1) (x^{2} + x + 1)}$$

Sequence: A021115
Score: 8.38299
Type of gen. func.: ogf

$$\{a(n + 3) - a(n), a(0) = 0, a(1) = 0, a(2) = 9\}$$

Sequence: A021115
Score: 9.84669
Type of gen. func.: ogf

$$-f(x) (f(x) x^{3} + 9 x^{2} - f(x))$$

Sequence: A021116
Score: 8.53999
Type of gen. func.: lgdogf

$$\frac{5 x^{8} - 10 x^{7} + 12 x^{6} + 6 x^{5} - 9 x^{4} - 6 x^{3} + 25 x^{2} - 14 x + 9}{(x - 1) (x + 1) (x^{2} - x + 1) (5 x^{5} + 2 x^{4} - 14 x^{3} + 7 x^{2} - x - 8)}$$

Sequence: A021116
Score: 9.72797
Type of gen. func.: ogf

$$\frac{x^{2} (5 x^{5} + 2 x^{4} - 14 x^{3} + 7 x^{2} - x - 8)}{}$$

$$(x - 1) (x + 1) (x^2 - x + 1)$$

Sequence: A021119
Score: 6.35991
Type of gen. func.: ogf

$$- \frac{x^2 (6 x^{10} - 4 x^9 + 6 x^8 - x^7 - 3 x^6 - x^5 + x^4 - 4 x^3 + 3 x^2 - 2 x + 8)}{(x - 1) (x + 1) (x^{10} - x^9 + x^8 - x^7 + x^6 - x^5 + x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A021120
Score: 5.34705
Type of gen. func.: ogf

$$- x^2 (5 x^{14} + 2 x^{13} - 5 x^{12} + 6 x^{11} - 4 x^{10} - x^8 - 3 x^7 + x^6 + 2 x^5 + 6 x^4 - 2 x^3 - 4 x^2 - 2 x + 8) / ((x - 1) (x^2 + 1) (x^{12} - x^{10} + x^8 - x^6 + x^4 - x^2 + 1))$$

Sequence: A021121
Score: 10.9065
Type of gen. func.: lgdogf

$$- \frac{21 x^6 - 26 x^5 + 56 x^4 - 38 x^3 + 20 x^2 - 2 x + 5}{(x - 1) (x^2 + x + 1) (x^2 - x + 1) (7 x^2 - 3 x + 8)}$$

Sequence: A021121
Score: 9.02806
Type of gen. func.: ogf

$$- \frac{x^2 (7 x^2 - 3 x + 8)}{(x - 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A021124
Score: 10.3601
Type of gen. func.: ogf

$$\frac{1}{(x-1)(2x-1)(7x-1)(5x-1)}$$

Sequence: A021124
Score: 3.85823
Type of gen. func.: ogf

$$(7956646321723 f(x) + 546355096000)$$

$$(70 f(x) x^4 - 129 f(x) x^3 + 73 f(x) x^2 - 15 f(x) x + f(x) - 1)$$

Sequence: A021124
Score: 9.44251
Type of gen. func.: lgdogf

$$-\frac{280 x^3 - 387 x^2 + 146 x - 15}{(x-1)(2x-1)(7x-1)(5x-1)}$$

Sequence: A021125
Score: 7.06357
Type of gen. func.: ogf

$$-\frac{x^2 (9 x^9 - 8 x^8 + 6 x^7 - 4 x^6 + 2 x^5 - 2 x^3 + 4 x^2 - 6 x + 8)}{(x-1)(x+1)(x^{10} - x^9 + x^8 - x^7 + x^6 - x^5 + x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A021127
Score: 12.9792
Type of gen. func.: ogf

$$-\frac{x^2 (3 x^2 + x + 8)}{(x-1)(x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A021127
Score: 14.3689
Type of gen. func.: lgdogf

$$- \frac{9 x^{6} + 4 x^{5} + 40 x^{4} + 6 x + 1}{(x - 1) (3 x^{2} + x + 8) (x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A021127
Score: 7.32489
Type of gen. func.: ogf

$$-(15855893 f(x) - 34109261) (f(x) x^{5} + 3 x^{4} + x^{3} + 8 x^{2} - f(x))$$

Sequence: A021129
Score: 10.7963
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (2 x - 1) (8 x - 1) (5 x - 1)}$$

Sequence: A021129
Score: 4.07692
Type of gen. func.: ogf

$$(465270767137 f(x) + 27907456000)$$

$$(80 f(x) x^{4} - 146 f(x) x^{3} + 81 f(x) x^{2} - 16 f(x) x + f(x) - 1)$$

Sequence: A021129
Score: 9.52036
Type of gen. func.: lgdogf

$$- \frac{2 (160 x^{3} - 219 x^{2} + 81 x - 8)}{(x - 1) (2 x - 1) (8 x - 1) (5 x - 1)}$$

Sequence: A021130
Score: 9.04201
Type of gen. func.: ogf

$$-\frac{x^2\,(5x^3+x^2+2x+7)}{(x-1)\,(x^2+x+1)\,(x^2-x+1)}$$

Sequence: A021130
Score: 9.73375
Type of gen. func.: lgdogf

$$-\frac{10x^7-2x^6+6x^5+35x^4-34x^3+33x^2-12x+9}{(x-1)\,(x^2+x+1)\,(x^2-x+1)\,(5x^3+x^2+2x+7)}$$

Sequence: A021132
Score: 20.1164
Type of gen. func.: lgdogf

$$\frac{2\,(5x+4)\,(2x^2-x+1)}{5x^4+2x^3+x^2+8x+7}$$

Sequence: A021134
Score: 3.65721
Type of gen. func.: ogf

$$(19102930286341\,f(x)+1016914176000)$$

$$(90\,f(x)\,x^4-163\,f(x)\,x^3+89\,f(x)\,x^2-17\,f(x)\,x+f(x)-1)$$

Sequence: A021134
Score: 9.06978
Type of gen. func.: lgdogf

$$-\frac{360x^3-489x^2+178x-17}{(x-1)\,(9x-1)\,(2x-1)\,(5x-1)}$$

Sequence: A021134

Score: 9.95572
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (9 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A021136
Score: 12.8793
Type of gen. func.: ogf

$$-f(x) (f(x) x^2 + 5 x^3 + 7 x^2 - f(x))$$

Sequence: A021136
Score: 18.6618
Type of gen. func.: ogf

$$- \frac{x^2 (5 x + 7)}{(x - 1) (x + 1)}$$

Sequence: A021136
Score: 25.8640
Type of gen. func.: lgdogf

$$- \frac{5 x^2 + 14 x + 5}{(x - 1) (5 x + 7) (x + 1)}$$

Sequence: A021136
Score: 9.72797
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 2), a(0) = 0, a(1) = 0, a(2) = 7, a(3) = 5\}$$

Sequence: A021137
Score: 7.68638
Type of gen. func.: ogf

$$- \frac{x^2 (3 x^7 - 3 x^6 + 2 x^5 - x^4 + 7 x^3 - 4 x^2 - 2 x + 7)}{}$$

$$(x-1)(x+1)(x^2-x+1)(x^6-x^3+1)$$

Sequence: A021139
Score: 10.8082
Type of gen. func.: ogf

$$-f(x)\,(f(x)\,x^3+4\,x^3+7\,x^2-f(x))$$

Sequence: A021139
Score: 15.6609
Type of gen. func.: ogf

$$-\frac{x^2\,(4\,x+7)}{(x-1)\,(x^2+x+1)}$$

Sequence: A021139
Score: 22.0790
Type of gen. func.: lgdogf

$$-\frac{8\,x^3+21\,x^2+4}{(x-1)\,(4\,x+7)\,(x^2+x+1)}$$

Sequence: A021139
Score: 8.16367
Type of gen. func.: ogf

{a(n + 4) - a(n + 1), a(0) = 0, a(1) = 0, a(2) = 7, a(3) = 4}

Sequence: A021140
Score: 7.39048
Type of gen. func.: ogf

$$\frac{x^2\,(5\,x^9-13\,x^8+3\,x^6+5\,x^5-7\,x^4+3\,x^3-2\,x^2+4\,x-7)}{(x-1)\,(x^8+1)}$$

Sequence: A021141
Score: 11.6543
Type of gen. func.: ogf

$$-\frac{x^{2}\,(7\,x^{2}-5\,x+7)}{(x-1)\,(x^{4}+1)}$$

Sequence: A021141
Score: 12.7498
Type of gen. func.: lgdogf

$$-\frac{21\,x^{6}-34\,x^{5}+50\,x^{4}-28\,x^{3}-7\,x^{2}+14\,x+2}{(x-1)\,(7\,x^{2}-5\,x+7)\,(x^{4}+1)}$$

Sequence: A021144
Score: 10.0900
Type of gen. func.: ogf

$$\frac{1}{(x-1)\,(2\,x-1)\,(5\,x-1)\,(10\,x-1)}$$

Sequence: A021144
Score: 4.23627
Type of gen. func.: ogf

$(153417\,f(x)+7340)$

$$(100\,f(x)\,x^{4}-180\,f(x)\,x^{3}+97\,f(x)\,x^{2}-18\,f(x)\,x+f(x)-1)$$

Sequence: A021144
Score: 9.05649
Type of gen. func.: lgdogf

$$-\frac{2\,(200\,x^{3}-270\,x^{2}+97\,x-9)}{(x-1)\,(2\,x-1)\,(5\,x-1)\,(10\,x-1)}$$

Sequence: A021147
Score: 12.5801
Type of gen. func.: ogf

$$-\frac{3 x^2 (x + 2)}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A021147
Score: 18.1048
Type of gen. func.: lgdogf

$$-\frac{3 (x^4 + 2 x^3 - 2 x^2 + 1)}{(x - 1) (x + 2) (x + 1) (x^2 - x + 1)}$$

Sequence: A021147
Score: 6.67291
Type of gen. func.: ogf

$$-(f(x) - 8) (f(x) x^4 - f(x) x^3 + 3 x^3 + f(x) x + 6 x^2 - f(x))$$

Sequence: A021148
Score: 17.2534
Type of gen. func.: ogf

$$\frac{x^2 (5 x^2 - 3 x - 6)}{x - 1}$$

Sequence: A021148
Score: 26.6247
Type of gen. func.: lgdogf

$$\frac{5 x^2 - 10 x + 9}{(x - 1) (5 x^2 - 3 x - 6)}$$

Sequence: A021148
Score: 8.62669
Type of gen. func.: ogf

$$\{-a(n+5) + a(n+4), a(0) = 0, a(1) = 0, a(2) = 6, a(3) = 9, a(4) = 4\}$$

Sequence: A021148
Score: 9.72797
Type of gen. func.: ogf

$$-(1525 f(x) + 77469) (-5 x^4 + 3 x^3 + f(x) x + 6 x^2 - f(x))$$

Sequence: A021149
Score: 5.64878
Type of gen. func.: ogf

$$- x^2 (2 x^{13} + 4 x^{12} + 2 x^{11} - 3 x^{10} + 2 x^9 - 5 x^8 + 6 x^7 - 4 x^6 - x^4 - 3 x^3 + x^2 + 2 x + 6) \Big/ ((x - 1) (x^2 + 1) (x^{12} - x^{10} + x^8 - x^6 + x^4 - x^2 + 1))$$

Sequence: A021150
Score: 10.7767
Type of gen. func.: lgdogf

$$- \frac{10 x^7 - 17 x^6 + 16 x^5 + 24 x^4 - 34 x^3 + 19 x^2 - 8 x + 8}{(x - 1) (5 x^3 - 4 x^2 + 2 x + 6) (x^4 + 1)}$$

Sequence: A021150
Score: 11.1596
Type of gen. func.: ogf

$$- \frac{x^2 (5 x^3 - 4 x^2 + 2 x + 6)}{(x - 1) (x^4 + 1)}$$

Sequence: A021152
Score: 12.1924
Type of gen. func.: ogf

$$f(x) (f(x) x^3 + 5 x^4 + 7 x^3 + 6 x^2 - f(x))$$

Sequence: A021152
Score: 15.3430
Type of gen. func.: lgdogf

$$- \frac{5 x^4 + 14 x^3 + 18 x^2 + 10 x + 7}{(x - 1) (x^2 + x + 1) (5 x^2 + 7 x + 6)}$$

Sequence: A021152
Score: 16.0426
Type of gen. func.: ogf

$$- \frac{x^2 (5 x^2 + 7 x + 6)}{(x - 1) (x^2 + x + 1)}$$

Sequence: A021152
Score: 8.62669
Type of gen. func.: ogf

$$\{-a(n + 5) + a(n + 2), a(0) = 0, a(1) = 0, a(2) = 6, a(3) = 7, a(4) = 5\}$$

Sequence: A021154
Score: 10.0647
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (5 x - 1) (2 x - 1) (11 x - 1)}$$

Sequence: A021154
Score: 3.7326
Type of gen. func.: ogf

$(532796707520813 f(x) + 23145014552000)$

$$(110 f(x) x^4 - 197 f(x) x^3 + 105 f(x) x^2 - 19 f(x) x + f(x) - 1)$$

Sequence: A021154
Score: 9.35696
Type of gen. func.: lgdogf

$$-\frac{440 x^3 - 591 x^2 + 210 x - 19}{(x - 1) (5 x - 1) (2 x - 1) (11 x - 1)}$$

Sequence: A021156
Score: 6.50696
Type of gen. func.: ogf

$$\frac{x^2 (5 x^{10} - 8 x^9 - 3 x^8 + 4 x^7 - 3 x^6 + 5 x^5 - x^4 - x^3 - 2 x^2 + x - 6)}{(x - 1) (x + 1) (x^2 - x + 1) (x^6 - x^3 + 1)}$$

Sequence: A021157
Score: 5.65320
Type of gen. func.: ogf

$$- x^2 (3 x^{13} + 8 x^{12} + x^{11} + 4 x^{10} + 2 x^9 + x^8 + 7 x^7 + 7 x^6 + 4 x^5 + 9 x^4 + 5 x^3 + 3 x^2 + 5 x + 6) / ((x - 1) (x + 1) (x^2 + 1) (x^4 + 1) (x^8 + 1))$$

Sequence: A021158
Score: 12.1871
Type of gen. func.: ogf

$$-\frac{x^2 (5 x^2 - 2 x + 6)}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A021158
Score: 12.4005
Type of gen. func.: lgdogf

$$-\frac{10 x^5 - 11 x^4 + 28 x^3 - 23 x^2 + 10 x + 4}{(x - 1) (x + 1) (x^2 - x + 1) (5 x^2 - 2 x + 6)}$$

Sequence: A021158
Score: 6.51866
Type of gen. func.: ogf

$$-(2579 f(x) - 1402) (f(x) x^4 - f(x) x^3 + 5 x^4 - 2 x^3 + f(x) x + 6 x^2 - f(x))$$

Sequence: A021160
Score: 12.1871
Type of gen. func.: ogf

$$-\frac{x^2 (5 x^2 - 8 x + 6)}{(x - 1) (x^2 - x + 1)}$$

Sequence: A021160
Score: 15.3430
Type of gen. func.: lgdogf

$$-\frac{5 x^4 - 16 x^3 + 24 x^2 - 14 x + 4}{(x - 1) (x^2 - x + 1) (5 x^2 - 8 x + 6)}$$

Sequence: A021160
Score: 5.92188
Type of gen. func.: ogf

{-a(n + 5) + 2 a(n + 4) - 2 a(n + 3) + a(n + 2), a(0) = 0, a(1) = 0, a(2) = 6,

a(3) = 4, a(4) = 1}

Sequence: A021160

```
Score: 6.56959
Type of gen. func.: ogf


                          3      4           2      3                 2
-(323 f(x) + 1456) (f(x) x  + 5 x  - 2 f(x) x  - 8 x  + 2 f(x) x + 6 x  - f(x))



------------------------------------------------------------------------------

Sequence:  A021162
Score: 6.80078
Type of gen. func.: ogf


     2     11      9      8      7      6    5    4      3      2
    x  (5 x   + 4 x  + 2 x  + 9 x  + 3 x  + x  + x  + 9 x  + 2 x  + 3 x + 6)
  - -------------------------------------------------------------------------
              12    11    10    9    8    7    6    5    4    3    2
    (x - 1) (x   + x   + x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1)



------------------------------------------------------------------------------

Sequence:  A021163
Score: 6.95159
Type of gen. func.: ogf


         2   10      9      8    7      6      4      3      2
        x  (x   + 6 x  + 7 x  + x  + 8 x  + 3 x  + 9 x  + 8 x  + 2 x + 6)
  - -------------------------------------------------------------------------
              12    11    10    9    8    7    6    5    4    3    2
    (x - 1) (x   + x   + x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1)



------------------------------------------------------------------------------

Sequence:  A021164
Score: 3.48851
Type of gen. func.: ogf


(7590888418463 f(x) + 301945536000)

               4             3             2
    (120 f(x) x  - 214 f(x) x  + 113 f(x) x  - 20 f(x) x + f(x) - 1)



------------------------------------------------------------------------------

Sequence:  A021164
Score: 9.15734
Type of gen. func.: ogf


                                       1
                     --------------------------------------
                     (x - 1) (5 x - 1) (2 x - 1) (12 x - 1)



------------------------------------------------------------------------------

Sequence:  A021166
Score: 8.95338
Type of gen. func.: ogf
```

$$-\frac{x^2 (5 x^7 + 9 x^6 + 3 x^5 + 8 x^4 + 2 x^3 + 7 x^2 + x + 6)}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A021168
Score: 12.6542
Type of gen. func.: ogf

$$-\frac{x^2 (5 x^4 + 7 x^3 + 9 x^2 + 6)}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A021168
Score: 9.83955
Type of gen. func.: lgdogf

$$-\frac{x (5 x^7 + 14 x^6 + 27 x^5 + 30 x^3 + 20 x^2 + 21 x + 18)}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (5 x^4 + 7 x^3 + 9 x^2 + 6)}$$

Sequence: A021169
Score: 11.0137
Type of gen. func.: ogf

$$-f(x) (f(x) x^2 + 6 x^2 - f(x))$$

Sequence: A021169
Score: 21.0262
Type of gen. func.: ogf

$$-\frac{6 x^2}{(x - 1) (x + 1)}$$

Sequence: A021169
Score: 53.2562
Type of gen. func.: ogf_with_Euler_transform]

$$[x]$$

Sequence: A021169
Score: 56.5774
Type of gen. func.: lgdogf

$$-\frac{2\,x}{(x-1)\,(x+1)}$$

Sequence: A021169
Score: 8.46174
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+1),\ a(0)=0,\ a(1)=0,\ a(2)=6\}$$

Sequence: A021172
Score: 6.91022
Type of gen. func.: lgdogf

$$(8\,x^{10}+6\,x^{9}+6\,x^{8}+20\,x^{7}+45\,x^{6}+40\,x^{4}+12\,x^{3}+6\,x^{2}+10\,x+9)\Big/\Big((x-1)\,(x+1)\,(x^{2}+x+1)\,(x^{2}-x+1)\,(5\,x^{6}-8\,x^{5}-3\,x^{4}-2\,x^{3}-5\,x^{2}-9\,x-5)\Big)$$

Sequence: A021172
Score: 9.44839
Type of gen. func.: ogf

$$\frac{x^{2}\,(5\,x^{6}-8\,x^{5}-3\,x^{4}-2\,x^{3}-5\,x^{2}-9\,x-5)}{(x-1)\,(x+1)\,(x^{2}+x+1)\,(x^{2}-x+1)}$$

Sequence: A021174
Score: 10.5236
Type of gen. func.: ogf

$$\frac{1}{(x-1)(6x-1)(2x-1)(7x-1)}$$

Sequence: A021174
Score: 4.03033
Type of gen. func.: ogf

$$(40108019479 f(x) + 2290523130)$$

$$(84 f(x) x^4 - 152 f(x) x^3 + 83 f(x) x^2 - 16 f(x) x + f(x) - 1)$$

Sequence: A021174
Score: 9.43219
Type of gen. func.: lgdogf

$$-\frac{2 (168 x^3 - 228 x^2 + 83 x - 8)}{(x-1)(6x-1)(2x-1)(7x-1)}$$

Sequence: A021179
Score: 11.6056
Type of gen. func.: lgdogf

$$-\frac{8 x^6 - 12 x^5 + 12 x^4 + 15 x^2 - 12 x + 7}{(x-1)(x+1)(x^2 - x + 1)(8 x^3 - 6 x^2 + 2 x + 5)}$$

Sequence: A021179
Score: 11.8757
Type of gen. func.: ogf

$$-\frac{x^2 (8 x^3 - 6 x^2 + 2 x + 5)}{(x-1)(x+1)(x^2 - x + 1)}$$

Sequence: A021180
Score: 14.0681
Type of gen. func.: ogf

$$\frac{x^2 (5 x^3 - 3 x^2 - 6 x - 5)}{(x - 1) (x + 1)}$$

Sequence: A021180
Score: 17.4084
Type of gen. func.: lgdogf

$$\frac{5 x^4 - 9 x^2 + 16 x + 6}{(x - 1) (x + 1) (5 x^3 - 3 x^2 - 6 x - 5)}$$

Sequence: A021184
Score: 10.0009
Type of gen. func.: lgdogf

$$- \frac{384 x^3 - 516 x^2 + 184 x - 17}{(x - 1) (6 x - 1) (2 x - 1) (8 x - 1)}$$

Sequence: A021184
Score: 10.9599
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (6 x - 1) (2 x - 1) (8 x - 1)}$$

Sequence: A021184
Score: 4.22737
Type of gen. func.: ogf

$$(12508378531 f(x) + 623835648)$$

$$(96 f(x) x^4 - 172 f(x) x^3 + 92 f(x) x^2 - 17 f(x) x + f(x) - 1)$$

Sequence: A021186
Score: 12.1871
Type of gen. func.: ogf

2   2

$$-\frac{x\ (5 x - x + 5)}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A021186
Score: 12.9320
Type of gen. func.: lgdogf

$$-\frac{2 (5 x^5 - 4 x^4 + 11 x^3 - 10 x^2 + 5 x + 2)}{(x - 1) (x + 1) (5 x^2 - x + 5) (x^2 - x + 1)}$$

Sequence: A021186
Score: 6.27542
Type of gen. func.: ogf

$$-(1025641 f(x) + 272745) (f(x) x^4 - f(x) x^3 + 5 x^4 - x^3 + f(x) x + 5 x^2 - f(x))$$

Sequence: A021188
Score: 5.59662
Type of gen. func.: ogf

$$x^2 (5 x^{12} - 8 x^{11} + 2 x^{10} - 8 x^9 + 6 x^8 - 4 x^7 + 6 x^6 - x^5 - 3 x^4 - x^3 + x^2 + x - 5) / ((x - 1) (x + 1) (x^{10} - x^9 + x^8 - x^7 + x^6 - x^5 + x^4 - x^3 + x^2 - x + 1))$$

Sequence: A021189
Score: 10.8082
Type of gen. func.: ogf

$$-f(x) (f(x) x^3 + 4 x^3 + 5 x^2 - f(x))$$

Sequence: A021189
Score: 15.6609
Type of gen. func.: ogf

$$-\frac{x^2(4x+5)}{(x-1)(x^2+x+1)}$$

Sequence: A021189
Score: 21.5533
Type of gen. func.: lgdogf

$$-\frac{(x+2)(8x^2-x+2)}{(4x+5)(x-1)(x^2+x+1)}$$

Sequence: A021189
Score: 8.16367
Type of gen. func.: ogf

{a(n + 4) - a(n + 1), a(0) = 0, a(1) = 0, a(2) = 5, a(3) = 4}

Sequence: A021190
Score: 6.16087
Type of gen. func.: ogf

$$-x^2(5x^{13}+x^{12}+2x^{11}+6x^9+8x^8+4x^6+4x^5+3x^4+6x^3+7x^2+3x+5) \Big/ \left((x-1)(x^4+x^3+x^2+x+1)(x^2+x+1)(x^8-x^7+x^5-x^4+x^3-x+1)\right)$$

Sequence: A021191
Score: 5.65320
Type of gen. func.: ogf

$$-x^2(7x^{13}+7x^{12}+8x^{11}+8x^{10}+2x^9+8x^8+5x^7+3x^6+9x^5+5x^4+7x^3+4x^2+3x+5) \Big/ \left((x-1)(x+1)(x^2+1)(x^4+1)(x^8+1)\right)$$

Sequence: A021193
Score: 11.8059
Type of gen. func.: ogf

$$-\frac{x^2\,(x^3+9\,x^2+2\,x+5)}{(x-1)\,(x+1)\,(x^2+x+1)\,(x^2-x+1)}$$

Sequence: A021193
Score: 9.83955
Type of gen. func.: lgdogf

$$-\frac{3\,x^8+36\,x^7+10\,x^6+30\,x^5+3\,x^2+18\,x+2}{(x-1)\,(x+1)\,(x^2+x+1)\,(x^2-x+1)\,(x^3+9\,x^2+2\,x+5)}$$

Sequence: A021194
Score: 3.90928
Type of gen. func.: ogf

$(410942609\,f(x)+18186120)$

$$(108\,f(x)\,x^4-192\,f(x)\,x^3+101\,f(x)\,x^2-18\,f(x)\,x+f(x)-1)$$

Sequence: A021194
Score: 9.01404
Type of gen. func.: lgdogf

$$-\frac{2\,(216\,x^3-288\,x^2+101\,x-9)}{(x-1)\,(6\,x-1)\,(9\,x-1)\,(2\,x-1)}$$

Sequence: A021194
Score: 9.70339
Type of gen. func.: ogf

$$\frac{1}{(x-1)\,(6\,x-1)\,(9\,x-1)\,(2\,x-1)}$$

Sequence: A021196
Score: 13.1860
Type of gen. func.: ogf

$$\frac{x^2 (5 x^4 - 8 x^3 + 2 x^2 + 3 x - 5)}{x - 1}$$

Sequence: A021196
Score: 15.0873
Type of gen. func.: lgdogf

$$\frac{15 x^4 - 36 x^3 + 26 x^2 - 4 x + 2}{(x - 1) (5 x^4 - 8 x^3 + 2 x^2 + 3 x - 5)}$$

Sequence: A021199
Score: 9.04201
Type of gen. func.: ogf

$$- \frac{x^2 (2 x^3 + 6 x^2 - 4 x + 5)}{(x - 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A021199
Score: 9.52883
Type of gen. func.: lgdogf

$$- \frac{4 x^7 + 16 x^6 - 28 x^5 + 45 x^4 - 32 x^3 + 19 x^2 + 2 x + 1}{(x - 1) (x^2 + x + 1) (x^2 - x + 1) (2 x^3 + 6 x^2 - 4 x + 5)}$$

Sequence: A021202
Score: 11.4337
Type of gen. func.: lgdogf

$$- \frac{480 x^3 - 636 x^2 + 220 x - 19}{(x - 1) (6 x - 1) (2 x - 1) (10 x - 1)}$$

Sequence: A021202
Score: 12.4644
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (6 x - 1) (2 x - 1) (10 x - 1)}$$

Sequence: A021202
Score: 4.95039
Type of gen. func.: ogf

$$(7249957264 f(x) + 288316125)$$

$$(120 f(x) x^4 - 212 f(x) x^3 + 110 f(x) x^2 - 19 f(x) x + f(x) - 1)$$

Sequence: A021204
Score: 11.5900
Type of gen. func.: lgdogf

$$- \frac{2 (264 x^3 - 348 x^2 + 119 x - 10)}{(x - 1) (6 x - 1) (2 x - 1) (11 x - 1)}$$

Sequence: A021204
Score: 12.8388
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (6 x - 1) (2 x - 1) (11 x - 1)}$$

Sequence: A021204
Score: 4.92449
Type of gen. func.: ogf

$$(1790436839797 f(x) + 64641894372)$$

$$(132 f(x) x^4 - 232 f(x) x^3 + 119 f(x) x^2 - 20 f(x) x + f(x) - 1)$$

Sequence: A021206
Score: 13.1827
Type of gen. func.: ogf

$$-\frac{x^2 (5 x + 4)}{(x^2 + 1) (x - 1)}$$

Sequence: A021206
Score: 21.0521
Type of gen. func.: lgdogf

$$-\frac{10 x^3 + 7 x^2 - 8 x + 9}{(x - 1) (5 x + 4) (x^2 + 1)}$$

Sequence: A021206
Score: 6.18574
Type of gen. func.: ogf

{a(n + 4) - a(n + 3) + a(n + 2) - a(n + 1), a(0) = 0, a(1) = 0, a(2) = 4,

a(3) = 9}

Sequence: A021206
Score: 7.51538
Type of gen. func.: ogf

$$-f(x) (f(x) x^3 - f(x) x^2 + 5 x^3 + f(x) x + 4 x^2 - f(x))$$

Sequence: A021208
Score: 5.57979
Type of gen. func.: ogf

$$- x^2 (5 x^{15} + 2 x^{14} + 7 x^{13} + 3 x^{12} + x^{11} + 3 x^{10} + 4 x^9 + 8 x^8 + 7 x^7 + 6 x^5$$

$$+ 9 x^4 + x^3 + 9 x + 4) / ((x - 1) (x + 1) (x^2 + 1) (x^4 + 1) (x^8 + 1))$$

Sequence: A021209
Score: 10.2868
Type of gen. func.: lgdogf

$$-\frac{16 x^7 + 21 x^6 + 32 x^5 + 20 x^4 + 24 x^2 + 14 x + 8}{(x - 1) (8 x^3 + 7 x^2 + 8 x + 4) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A021209
Score: 12.7250
Type of gen. func.: ogf

$$-\frac{x^2 (8 x^3 + 7 x^2 + 8 x + 4)}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A021212
Score: 8.30494
Type of gen. func.: lgdogf

$$\frac{5 x^8 - 10 x^7 + 14 x^6 + 4 x^5 - 14 x^4 - 2 x^3 + 29 x^2 - 16 x + 8}{(x - 1) (x + 1) (x^2 - x + 1) (5 x^5 - 3 x^4 - 11 x^3 + 8 x^2 - 4 x - 4)}$$

Sequence: A021212
Score: 8.94582
Type of gen. func.: ogf

$$\frac{x^2 (5 x^5 - 3 x^4 - 11 x^3 + 8 x^2 - 4 x - 4)}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A021213
Score: 8.51449
Type of gen. func.: ogf

$$-\frac{x^2 (x^7 + 2 x^5 + 2 x^4 - 4 x^3 + x^2 + 3 x + 4)}{(x - 1) (x + 1) (x^2 - x + 1) (x^6 - x^3 + 1)}$$

Sequence: A021214
Score: 3.81959
Type of gen. func.: ogf

$$(4443349 f(x) + 146880)$$

$$(144 f(x) x^4 - 252 f(x) x^3 + 128 f(x) x^2 - 21 f(x) x + f(x) - 1)$$

Sequence: A021214
Score: 8.26740
Type of gen. func.: lgdogf

$$- \frac{576 x^3 - 756 x^2 + 256 x - 21}{(x - 1) (6 x - 1) (2 x - 1) (12 x - 1)}$$

Sequence: A021214
Score: 9.20793
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (6 x - 1) (2 x - 1) (12 x - 1)}$$

Sequence: A021216
Score: 6.58405
Type of gen. func.: ogf

$$- x^2 (5 x^{12} + 7 x^{11} + 2 x^9 + 3 x^8 + x^7 + x^6 + 8 x^5 + 9 x^4 + 6 x^3 + x^2 + 7 x + 4) \Big/ ((x - 1) (x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1))$$

Sequence: A021220
Score: 14.0681
Type of gen. func.: ogf

$$-\frac{x^2 (5 x^3 + 2 x^2 + 6 x + 4)}{(x - 1) (x^2 + x + 1)}$$

Sequence: A021220
Score: 14.1444
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 12 x^3 + 27 x^2 + 4 x + 6}{(x - 1) (x^2 + x + 1) (5 x^3 + 2 x^2 + 6 x + 4)}$$

Sequence: A021223
Score: 11.6543
Type of gen. func.: ogf

$$-\frac{x^2 (x^2 + x + 4)}{(x - 1) (x^4 + 1)}$$

Sequence: A021223
Score: 14.6006
Type of gen. func.: lgdogf

$$-\frac{3 x^6 + 2 x^5 + 17 x^4 - 16 x^3 - x^2 + 2 x + 5}{(x - 1) (x^2 + x + 4) (x^4 + 1)}$$

Sequence: A021224
Score: 3.66778
Type of gen. func.: ogf

$$(508933367723 f(x) + 21703678976)$$

$$(112 f(x) x^4 - 198 f(x) x^3 + 103 f(x) x^2 - 18 f(x) x + f(x) - 1)$$

Sequence: A021224

Score: 8.81808
Type of gen. func.: lgdogf

$$-\frac{2\,(224\,x^3 - 297\,x^2 + 103\,x - 9)}{(x-1)\,(2\,x-1)\,(8\,x-1)\,(7\,x-1)}$$

Sequence: A021224
Score: 9.49693
Type of gen. func.: ogf

$$\frac{1}{(x-1)\,(2\,x-1)\,(8\,x-1)\,(7\,x-1)}$$

Sequence: A021226
Score: 10.8082
Type of gen. func.: ogf

$$-f(x)\,(f(x)\,x^3 + 5\,x^3 + 4\,x^2 - f(x))$$

Sequence: A021226
Score: 15.6609
Type of gen. func.: ogf

$$-\frac{x^2\,(5\,x+4)}{(x-1)\,(x^2+x+1)}$$

Sequence: A021226
Score: 21.5533
Type of gen. func.: lgdogf

$$-\frac{10\,x^3 + 12\,x^2 + 5}{(5\,x+4)\,(x-1)\,(x^2+x+1)}$$

Sequence: A021226
Score: 8.16367
Type of gen. func.: ogf

```
         {a(n + 4) - a(n + 1), a(0) = 0, a(1) = 0, a(2) = 4, a(3) = 5}
```

Sequence: A021228
Score: 7.73708
Type of gen. func.: lgdogf

```
         9       8       7       6       5       4      3      2
     10 x  - 23 x  + 16 x  + 25 x  - 58 x  + 44 x  + 4 x  - 8 x  + 4 x + 4
     ---------------------------------------------------------------------
                        2              6      5      4      3      2
      (x - 1) (x + 1) (x  - x + 1) (5 x  - 8 x  + 2 x  - 2 x  - 2 x  - 4)
```

Sequence: A021228
Score: 9.83257
Type of gen. func.: ogf

```
                    2     6      5      4      3      2
                   x  (5 x  - 8 x  + 2 x  - 2 x  - 2 x  - 4)
                   -----------------------------------------
                                                  2
                         (x - 1) (x + 1) (x  - x + 1)
```

Sequence: A021229
Score: 3.651
Type of gen. func.: ogf

```
(1316407500098933 f(x) + 49807650078144)

               4             3             2
    (126 f(x) x  - 221 f(x) x  + 113 f(x) x  - 19 f(x) x + f(x) - 1)
```

Sequence: A021229
Score: 9.20999
Type of gen. func.: lgdogf

```
                               3        2
                          504 x  - 663 x  + 226 x - 19
                    - -------------------------------------
                      (x - 1) (9 x - 1) (2 x - 1) (7 x - 1)
```

Sequence: A021229
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (9 x - 1) (2 x - 1) (7 x - 1)}$$

Sequence: A021234
Score: 3.80104
Type of gen. func.: ogf

$$(1327407700883 f(x) + 45127352375)$$

$$(140 f(x) x^4 - 244 f(x) x^3 + 123 f(x) x^2 - 20 f(x) x + f(x) - 1)$$

Sequence: A021234
Score: 9.20999
Type of gen. func.: lgdogf

$$- \frac{2 (14 x - 5) (20 x^2 - 19 x + 2)}{(x - 1) (2 x - 1) (7 x - 1) (10 x - 1)}$$

Sequence: A021234
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (2 x - 1) (7 x - 1) (10 x - 1)}$$

Sequence: A021235
Score: 11.8059
Type of gen. func.: ogf

$$- \frac{x^2 (9 x^3 + 2 x^2 + 3 x + 4)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A021235
Score: 9.63020
Type of gen. func.: lgdogf

$$27 x^8 + 8 x^7 + 15 x^6 + 24 x^5 + 27 x^2 + 4 x + 3$$

$$-\frac{}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)(9x^3+2x^2+3x+4)}$$

Sequence: A021236
Score: 5.04150
Type of gen. func.: ogf

$$-x^2(5x^{15}+2x^{14}-4x^{13}-2x^{12}+3x^{11}-2x^{10}+5x^9-6x^8+4x^7+x^5+3x^4-x^3-2x^2-x+4) \Big/ ((x-1)(x^2+1)(x^{12}-x^{10}+x^8-x^6+x^4-x^2+1))$$

Sequence: A021238
Score: 12.1871
Type of gen. func.: ogf

$$-\frac{x^2(5x^2-2x+4)}{(x-1)(x+1)(x^2-x+1)}$$

Sequence: A021238
Score: 12.4005
Type of gen. func.: lgdogf

$$-\frac{10x^5-11x^4+20x^3-17x^2+10x+2}{(x-1)(x+1)(x^2-x+1)(5x^2-2x+4)}$$

Sequence: A021238
Score: 7.31223
Type of gen. func.: ogf

$$-f(x)(f(x)x^4-f(x)x^3+5x^4-2x^3+f(x)x+4x^2-f(x))$$

Sequence: A021241
Score: 6.95159

Type of gen. func.: ogf

$$-\frac{x^2 (7 x^{10} + 2 x^9 + 8 x^8 + 2 x^7 + 9 x^6 + 4 x^4 + 9 x^3 + x^2 + 2 x + 4)}{(x - 1) (x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A021243
Score: 10.8269
Type of gen. func.: ogf

$$-\frac{x^2 (x^4 + 4 x^3 + 8 x^2 + x + 4)}{(x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A021243
Score: 8.22944
Type of gen. func.: lgdogf

$$-\frac{3 x^{10} + 16 x^9 + 40 x^8 + 6 x^7 + 28 x^6 + 4 x^3 + 12 x^2 + 16 x + 1}{(x - 1) (x^4 + 4 x^3 + 8 x^2 + x + 4) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A021244
Score: 3.33648
Type of gen. func.: ogf

$$(1748338163552489 f(x) + 53956795249280)$$

$$(154 f(x) x^4 - 267 f(x) x^3 + 133 f(x) x^2 - 21 f(x) x + f(x) - 1)$$

Sequence: A021244
Score: 8.40359
Type of gen. func.: lgdogf

$$-\frac{616 x^3 - 801 x^2 + 266 x - 21}{(x - 1) (7 x - 1) (2 x - 1) (11 x - 1)}$$

Sequence: A021244
Score: 9.05616
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (7 x - 1) (2 x - 1) (11 x - 1)}$$

Sequence: A021246
Score: 6.71595
Type of gen. func.: ogf

$$- \frac{x^2 (5 x^{10} + 4 x^9 - 4 x^8 + 3 x^7 - 2 x^6 + x^5 - x^3 + 2 x^2 - 3 x + 4)}{(x - 1) (x + 1) (x^{10} - x^9 + x^8 - x^7 + x^6 - x^5 + x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A021250
Score: 12.4005
Type of gen. func.: lgdogf

$$- \frac{x (10 x^6 + 18 x^5 + 20 x^3 + 15 x + 12)}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (5 x^3 + 6 x^2 + 4)}$$

Sequence: A021250
Score: 12.8986
Type of gen. func.: ogf

$$- \frac{x^2 (5 x^3 + 6 x^2 + 4)}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A021251
Score: 7.64461
Type of gen. func.: ogf

$$- \frac{x^2 (7 x^7 - 6 x^6 + 3 x^5 - 3 x^4 + 4 x^3 + 4 x^2 - 4 x + 4)}{(x - 1) (x + 1) (x^2 - x + 1) (x^6 - x^3 + 1)}$$

Sequence: A021254
Score: 3.47972
Type of gen. func.: ogf

$$(74726606028709 f(x) + 2111363380224)$$

$$(168 f(x) x^4 - 290 f(x) x^3 + 143 f(x) x^2 - 22 f(x) x + f(x) - 1)$$

Sequence: A021254
Score: 8.17975
Type of gen. func.: lgdogf

$$- \frac{2 (336 x^3 - 435 x^2 + 143 x - 11)}{(x - 1) (7 x - 1) (2 x - 1) (12 x - 1)}$$

Sequence: A021254
Score: 9.25852
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (7 x - 1) (2 x - 1) (12 x - 1)}$$

Sequence: A021256
Score: 10.1498
Type of gen. func.: ogf

$$- \frac{x^2 (5 x^3 - 3 x^2 + 6 x + 3)}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A021256
Score: 9.42198
Type of gen. func.: lgdogf

$$- \frac{5 x^6 - 6 x^5 + 21 x^4 - 10 x^3 + 9 x^2 - 6 x + 9}{(x - 1) (x + 1) (x^2 - x + 1) (5 x^3 - 3 x^2 + 6 x + 3)}$$

Sequence: A021257
Score: 6.51866
Type of gen. func.: ogf

$$-\frac{x^2\,(3x^9+5x^8-8x^7+3x^6+x^5+3x^4-3x^3-4x^2+6x+3)}{(x-1)(x+1)(x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)}$$

Sequence: A021259
Score: 5.65320
Type of gen. func.: ogf

$$-x^2\,(8x^{14}+9x^{13}+5x^{11}+4x^{10}+7x^9+2x^8+6x^7+8x^6+6x^5+5x^4+x^3+2x^2+9x+3) \Big/ \left((x-1)(x+1)(x^2+1)(x^4+1)(x^8+1)\right)$$

Sequence: A021260
Score: 28.3796
Type of gen. func.: lgdogf

$$\frac{25x^4+8x^3+18x^2+9}{5x^5+2x^4+6x^3+9x+3}$$

Sequence: A021263
Score: 12.0698
Type of gen. func.: lgdogf

$$-\frac{3x^6+18x^5+x^4-2x^3+3x^2-4x+8}{(x-1)(x^2+x+1)(x^2-x+1)(x^2+5x+3)}$$

Sequence: A021263
Score: 9.02806
Type of gen. func.: ogf

$$-\frac{x^2\,(x^2+5x+3)}{}$$

$$(x - 1) (x^2 + x + 1) (x^2 - x + 1)$$

Sequence: A021264
Score: 3.77518
Type of gen. func.: ogf

$$(5131733550361 f(x) + 169498635264)$$

$$(144 f(x) x^4 - 250 f(x) x^3 + 125 f(x) x^2 - 20 f(x) x + f(x) - 1)$$

Sequence: A021264
Score: 8.76435
Type of gen. func.: lgdogf

$$- \frac{2 (288 x^3 - 375 x^2 + 125 x - 10)}{(x - 1) (8 x - 1) (2 x - 1) (9 x - 1)}$$

Sequence: A021264
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (8 x - 1) (2 x - 1) (9 x - 1)}$$

Sequence: A021268
Score: 3.85383
Type of gen. func.: ogf

$$(137989423583 f(x) + 4094912000)$$

$$(160 f(x) x^4 - 276 f(x) x^3 + 136 f(x) x^2 - 21 f(x) x + f(x) - 1)$$

Sequence: A021268
Score: 8.90803
Type of gen. func.: lgdogf

$$- \frac{640 x^3 - 828 x^2 + 272 x - 21}{(x - 1) (2 x - 1) (8 x - 1) (10 x - 1)}$$

Sequence: A021268
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (2 x - 1) (8 x - 1) (10 x - 1)}$$

Sequence: A021269
Score: 6.80078
Type of gen. func.: ogf

$$- x^{2} (6 x^{11} + 6 x^{10} + 5 x^{9} + 9 x^{7} + 4 x^{6} + 8 x^{5} + 5 x^{4} + 3 x^{3} + 7 x^{2} + 7 x + 3) \Bigg/ ((x - 1) (x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1))$$

Sequence: A021270
Score: 7.10506
Type of gen. func.: ogf

$$- \frac{x^{2} (5 x^{8} - 4 x^{7} - x^{6} + 6 x^{5} - 6 x^{4} + 4 x^{3} - 2 x^{2} + 4 x + 3)}{(x - 1) (x + 1) (x^{2} - x + 1) (x^{6} - x^{3} + 1)}$$

Sequence: A021274
Score: 3.41874
Type of gen. func.: ogf

$$(102232420072543 f(x) + 2753884232704)$$

$$(176 f(x) x^{4} - 302 f(x) x^{3} + 147 f(x) x^{2} - 22 f(x) x + f(x) - 1)$$

Sequence: A021274
Score: 9.15734
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (2 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A021275
Score: 12.9792
Type of gen. func.: ogf

$$- \frac{3 x^2 (3 x^2 + 2 x + 1)}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A021275
Score: 14.1444
Type of gen. func.: lgdogf

$$- \frac{9 x^6 + 8 x^5 + 5 x^4 + 6 x + 2}{(x - 1) (3 x^2 + 2 x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A021275
Score: 7.87036
Type of gen. func.: ogf

$$-(8995 f(x) + 60798) (f(x) x^5 + 9 x^4 + 6 x^3 + 3 x^2 - f(x))$$

Sequence: A021276
Score: 6.52101
Type of gen. func.: ogf

$$\frac{x^2 (5 x^{10} - 3 x^9 - 6 x^8 - 5 x^7 + 7 x^6 - 3 x^5 + 2 x^4 + x^3 - x^2 - 3 x - 3)}{(x - 1) (x^8 + 1)}$$

Sequence: A021277
Score: 17.0530
Type of gen. func.: ogf

2

$$-\frac{3 x}{(x - 1) (x^2 - x + 1)}$$

Sequence: A021277
Score: 23.2027
Type of gen. func.: ogf_with_Euler_transform]

$$x^5 - x^2 - x + 2$$

Sequence: A021277
Score: 30.1746
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 4 x + 2}{(x - 1) (x^2 - x + 1)}$$

Sequence: A021277
Score: 6.97623
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 0, a(1) = 0, a(2) = 3\}$$

Sequence: A021277
Score: 9.47389
Type of gen. func.: ogf

$$f(x) x^3 - 2 f(x) x^2 + 2 f(x) x + 3 x^2 - f(x)$$

Sequence: A021278
Score: 10.9065
Type of gen. func.: lgdogf

$$-\frac{10 x^7 - 11 x^6 + 16 x^5 + 6 x^4 - 22 x^3 + 17 x^2 - 4 x + 6}{(x - 1) (5 x^3 - 2 x^2 + 3 x + 3) (x^4 + 1)}$$

Sequence: A021278
Score: 11.1596
Type of gen. func.: ogf

$$-\frac{x^2 (5 x^3 - 2 x^2 + 3 x + 3)}{(x - 1) (x^4 + 1)}$$

Sequence: A021279
Score: 3.67121
Type of gen. func.: ogf

$$(11379065693 f(x) + 280613376)$$

$$(192 f(x) x^4 - 328 f(x) x^3 + 158 f(x) x^2 - 23 f(x) x + f(x) - 1)$$

Sequence: A021279
Score: 8.64369
Type of gen. func.: lgdogf

$$-\frac{768 x^3 - 984 x^2 + 316 x - 23}{(x - 1) (2 x - 1) (12 x - 1) (8 x - 1)}$$

Sequence: A021279
Score: 9.30912
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (2 x - 1) (12 x - 1) (8 x - 1)}$$

Sequence: A021283
Score: 6.20684
Type of gen. func.: ogf

$$- x^2 (x^{12} + 8 x^{11} + 6 x^{10} + 9 x^8 + 3 x^7 + 9 x^6 + 2 x^5 + 2 x^4 + 4 x^3 + 8 x^2 + 5 x + 3) \Big/ ((x - 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1))$$

$$(x^8 - x^7 + x^5 - x^4 + x^3 - x + 1))$$

Sequence: A021284
Score: 3.45419
Type of gen. func.: ogf

$$(2703947435981 f(x) + 71175550500)$$

$$(180 f(x) x^4 - 308 f(x) x^3 + 149 f(x) x^2 - 22 f(x) x + f(x) - 1)$$

Sequence: A021284
Score: 8.08162
Type of gen. func.: lgdogf

$$- \frac{2 (360 x^3 - 462 x^2 + 149 x - 11)}{(x - 1) (9 x - 1) (2 x - 1) (10 x - 1)}$$

Sequence: A021284
Score: 9.00555
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (9 x - 1) (2 x - 1) (10 x - 1)}$$

Sequence: A021285
Score: 6.20341
Type of gen. func.: ogf

$$- x^2 (9 x^{12} - 2 x^{11} + x^{10} - 5 x^9 - 2 x^8 + 7 x^6 - 6 x^5 - x^4 + 3 x^3 + 2 x + 3)$$

$$/ ((x - 1) (x^2 + 1) (x^{12} - x^{10} + x^8 - x^6 + x^4 - x^2 + 1))$$

Sequence: A021290
Score: 12.1871
Type of gen. func.: ogf

$$x^2 (5 x^2 + x + 3)$$

$$-\frac{}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A021290
Score: 13.7157
Type of gen. func.: lgdogf

$$-\frac{2 (5 x^5 - x^4 + 5 x^3 - 7 x^2 + 5 x + 2)}{(x - 1) (x + 1) (x^2 - x + 1) (5 x^2 + x + 3)}$$

Sequence: A021290
Score: 6.56959
Type of gen. func.: ogf

$$-(1861 f(x) + 367) (f(x) x^4 - f(x) x^3 + 5 x^4 + x^3 + f(x) x + 3 x^2 - f(x))$$

Sequence: A021292
Score: 14.9906
Type of gen. func.: ogf

$$\frac{x^2 (5 x^3 - 3 x^2 - x - 3)}{x - 1}$$

Sequence: A021292
Score: 20.1164
Type of gen. func.: lgdogf

$$\frac{2 (5 x^3 - 9 x^2 + 3 x + 2)}{(x - 1) (5 x^3 - 3 x^2 - x - 3)}$$

Sequence: A021292
Score: 4.96972
Type of gen. func.: ogf

$$\{(61 n^2 - 175 n - 24) a(n + 1) + (-110 n^2 + 198 n + 96) a(n + 2)$$

$$+ (49 n^2 - 23 n - 72) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 3\}$$

Sequence: A021294
Score: 3.36674
Type of gen. func.: ogf

$$(29381363238620641 f(x) + 702008066295360)$$

$$(198 f(x) x^4 - 337 f(x) x^3 + 161 f(x) x^2 - 23 f(x) x + f(x) - 1)$$

Sequence: A021294
Score: 8.45241
Type of gen. func.: lgdogf

$$- \frac{792 x^3 - 1011 x^2 + 322 x - 23}{(x - 1) (9 x - 1) (2 x - 1) (11 x - 1)}$$

Sequence: A021294
Score: 9.25852
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (9 x - 1) (2 x - 1) (11 x - 1)}$$

Sequence: A021296
Score: 10.2868
Type of gen. func.: lgdogf

$$- \frac{5 x^8 + 4 x^7 - 8 x^6 + 8 x^5 - 3 x^4 + 4 x^3 + 8 x^2 - 4 x + 4}{(x - 1) (5 x^4 + 2 x^3 - 2 x^2 + x + 3) (x^4 + 1)}$$

Sequence: A021296
Score: 10.7580
Type of gen. func.: ogf

$$x^2 (5 x^4 + 2 x^3 - 2 x^2 + x + 3)$$

$$-\frac{\qquad}{(x - 1)(x^4 + 1)}$$

Sequence: A021300
Score: 11.0172
Type of gen. func.: ogf

$$f(x)(5x^5 + f(x)x^3 + 7x^4 + 3x^3 + 3x^2 - f(x))$$

Sequence: A021300
Score: 14.0681
Type of gen. func.: ogf

$$-\frac{x^2(5x^3 + 7x^2 + 3x + 3)}{(x - 1)(x^2 + x + 1)}$$

Sequence: A021300
Score: 14.1444
Type of gen. func.: lgdogf

$$-\frac{7x^4 + 6x^3 + 24x^2 + 14x + 3}{(x - 1)(x^2 + x + 1)(5x^3 + 7x^2 + 3x + 3)}$$

Sequence: A021301
Score: 11.8059
Type of gen. func.: ogf

$$-\frac{x^2(7x^3 + 6x^2 + 3x + 3)}{(x - 1)(x + 1)(x^2 + x + 1)(x^2 - x + 1)}$$

Sequence: A021301
Score: 9.83955
Type of gen. func.: lgdogf

```
                         8      7      6      5      2
```

```
                 3 (7 x  + 8 x  + 5 x  + 6 x  + 7 x  + 4 x + 1)
      - -----------------------------------------------------------------
                           2            2              3      2
        (x - 1) (x + 1) (x  + x + 1) (x  - x + 1) (7 x  + 6 x  + 3 x + 3)
```

Sequence: A021304
Score: 3.69116
Type of gen. func.: ogf

```
(27343405279 f(x) + 598067712)

               4             3             2
    (216 f(x) x  - 366 f(x) x  + 173 f(x) x  - 24 f(x) x + f(x) - 1)
```

Sequence: A021304
Score: 8.40674
Type of gen. func.: lgdogf

```
                                 3        2
                         2 (432 x  - 549 x  + 173 x - 12)
                    - --------------------------------------
                      (x - 1) (9 x - 1) (2 x - 1) (12 x - 1)
```

Sequence: A021304
Score: 9.35971
Type of gen. func.: ogf

```
                                        1
                     --------------------------------------
                     (x - 1) (9 x - 1) (2 x - 1) (12 x - 1)
```

Sequence: A021307
Score: 15.4192
Type of gen. func.: ogf

```
                                          2
                                       3 x
                               - ----------------
                                   2
                                 (x  + 1) (x - 1)
```

Sequence: A021307
Score: 23.8734
Type of gen. func.: ogf_with_Euler_transform]

```
                                    3
```

[x - x + 1]

Sequence: A021307
Score: 31.2151
Type of gen. func.: lgdogf

$$-\frac{3x^2-2x+1}{(x-1)(x^2+1)}$$

Sequence: A021307
Score: 6.30785
Type of gen. func.: ogf

$$\{a(n+3)-a(n+2)+a(n+1)-a(n),\ a(0)=0,\ a(1)=0,\ a(2)=3\}$$

Sequence: A021307
Score: 6.73653
Type of gen. func.: ogf

$$(f(x)-3)(f(x)x^3-f(x)x^2+f(x)x+3x^2-f(x))$$

Sequence: A021308
Score: 6.10584
Type of gen. func.: ogf

$$-x^2 (5x^{11}-3x^{10}-x^9+2x^8+3x^7-4x^6+3x^5-5x^4+x^3+6x^2-x+3) \Big/ ((x-1)(x+1)(x^2-x+1)(x^6-x^3+1))$$

Sequence: A021310
Score: 5.65320
Type of gen. func.: ogf

$$-x^2 (5x^{14}+x^{13}+9x^{12}+2x^{10}+6x^9+5x^8+8x^7+3x^6+7x^5+9x^4$$

$$+ 7 x^3 + 6 x^2 + 2 x + 3) \Big/ ((x - 1) (x + 1) (x^2 + 1) (x^4 + 1) (x^8 + 1))$$

Sequence: A021312
Score: 11.6056
Type of gen. func.: lgdogf

$$- \frac{5 x^6 + 4 x^5 - 5 x^4 + 4 x^3 + 4 x^2 + 4 x + 2}{(x - 1) (x + 1) (x^2 - x + 1) (5 x^3 + 2 x^2 - x + 3)}$$

Sequence: A021312
Score: 11.8757
Type of gen. func.: ogf

$$- \frac{x^2 (5 x^3 + 2 x^2 - x + 3)}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A021314
Score: 3.52237
Type of gen. func.: ogf

$$(19751130412579 f(x) + 423932484250)$$

$$(220 f(x) x^4 - 372 f(x) x^3 + 175 f(x) x^2 - 24 f(x) x + f(x) - 1)$$

Sequence: A021314
Score: 8.09489
Type of gen. func.: lgdogf

$$- \frac{2 (440 x^3 - 558 x^2 + 175 x - 12)}{(x - 1) (2 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A021314
Score: 9.30912
Type of gen. func.: ogf

$$\frac{1}{(x-1)(2x-1)(10x-1)(11x-1)}$$

Sequence: A021316
Score: 7.71474
Type of gen. func.: ogf

$$-\frac{x^2(5x^5-3x^4+4x^3+x^2-x+3)}{(x-1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A021316
Score: 8.30494
Type of gen. func.: lgdogf

$$-\frac{2x^8-2x^7+17x^6-32x^5+57x^4-34x^3+21x^2-4x+2}{(x-1)(x^2+x+1)(x^2-x+1)(5x^5-3x^4+4x^3+x^2-x+3)}$$

Sequence: A021319
Score: 12.1871
Type of gen. func.: ogf

$$-\frac{x^2(6x^2-2x+3)}{(x-1)(x+1)(x^2-x+1)}$$

Sequence: A021319
Score: 12.4005
Type of gen. func.: lgdogf

$$-\frac{12x^5-12x^4+16x^3-15x^2+12x+1}{(x-1)(x+1)(x^2-x+1)(6x^2-2x+3)}$$

Sequence: A021319
Score: 6.56959
Type of gen. func.: ogf

$$-(1717 f(x) + 710) (f(x) x^4 - f(x) x^3 + 6 x^4 - 2 x^3 + f(x) x + 3 x^2 - f(x))$$

Sequence: A021320
Score: 6.58405
Type of gen. func.: ogf

$$- x^2 (5 x^{12} + 2 x^{11} + 2 x^9 + 6 x^8 + 9 x^7 + 6 x^6 + 5 x^5 + 5 x^4 + 4 x^3 + 6 x^2 + x + 3) \Big/ ((x - 1) (x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1))$$

Sequence: A021322
Score: 6.99086
Type of gen. func.: ogf

$$- \frac{x^2 (5 x^{11} + 8 x^9 + 8 x^8 + 4 x^6 + 5 x^5 + 6 x^4 + 4 x^3 + 4 x^2 + x + 3)}{(x - 1) (x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A021324
Score: 3.60416
Type of gen. func.: ogf

$$(6753522312281 f(x) + 132693336000) (240 f(x) x^4 - 404 f(x) x^3 + 188 f(x) x^2 - 25 f(x) x + f(x) - 1)$$

Sequence: A021324
Score: 8.36254
Type of gen. func.: lgdogf

$$- \frac{960 x^3 - 1212 x^2 + 376 x - 25}{(x - 1) (2 x - 1) (12 x - 1) (10 x - 1)}$$

Sequence: A021324
Score: 9.46089
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (2 x - 1) (12 x - 1) (10 x - 1)}$$

Sequence: A021328
Score: 8.81513
Type of gen. func.: ogf

$$- \frac{x^2 (5 x^8 + 7 x^7 + 9 x^6 + x^5 + 4 x^4 + 6 x^3 + 8 x^2 + 3)}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A021329
Score: 10.9209
Type of gen. func.: ogf

$$- \frac{x^2 (2 x^3 + 7 x^2 - 3 x + 3)}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A021329
Score: 11.9110
Type of gen. func.: lgdogf

$$- \frac{2 x (x^5 + 7 x^4 - 8 x^3 + 7 x^2 - 5 x + 7)}{(x - 1) (x + 1) (x^2 - x + 1) (2 x^3 + 7 x^2 - 3 x + 3)}$$

Sequence: A021332
Score: 11.2675
Type of gen. func.: ogf

$$- \frac{x^2 (5 x^5 + 7 x^4 + 8 x^3 + 4 x^2 + 3)}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A021332
Score: 9.33236
Type of gen. func.: lgdogf

$$-\frac{x\,(7\,x^{7}+16\,x^{6}+12\,x^{5}+40\,x^{3}+28\,x^{2}+24\,x+8)}{(x-1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(5\,x^{5}+7\,x^{4}+8\,x^{3}+4\,x^{2}+3)}$$

Sequence: A021334
Score: 3.14227
Type of gen. func.: ogf

$$(128294190050813\,f(x)+2287824168960)$$

$$(264\,f(x)\,x^{4}-442\,f(x)\,x^{3}+203\,f(x)\,x^{2}-26\,f(x)\,x+f(x)-1)$$

Sequence: A021334
Score: 7.42339
Type of gen. func.: lgdogf

$$-\frac{2\,(528\,x^{3}-663\,x^{2}+203\,x-13)}{(x-1)\,(2\,x-1)\,(12\,x-1)\,(11\,x-1)}$$

Sequence: A021334
Score: 8.41679
Type of gen. func.: ogf

$$\frac{1}{(x-1)\,(2\,x-1)\,(12\,x-1)\,(11\,x-1)}$$

Sequence: A021337
Score: 18.7982
Type of gen. func.: ogf

$$-\frac{3\,x^{2}}{(x-1)\,(x^{2}+x+1)}$$

Sequence: A021337
Score: 36.4101
Type of gen. func.: ogf_with_Euler_transform]

$$[x^2]$$

Sequence: A021337
Score: 41.1472
Type of gen. func.: lgdogf

$$-\frac{3x^2}{(x-1)(x^2+x+1)}$$

Sequence: A021337
Score: 8.38299
Type of gen. func.: ogf

$$\{a(n+3)-a(n),\ a(0)=0,\ a(1)=0,\ a(2)=3\}$$

Sequence: A021337
Score: 9.84669
Type of gen. func.: ogf

$$-f(x)\,(f(x)\,x^3+3\,x^2-f(x))$$

Sequence: A021340
Score: 8.66914
Type of gen. func.: ogf

$$\frac{x^2\,(5x^7+2x^6-9x^5-x^4-6x^3-7x^2-9x-2)}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A021344
Score: 3.50038
Type of gen. func.: ogf

$$(635709140833 f(x) + 53432352000)$$

$$(60 f(x) x^4 - 107 f(x) x^3 + 59 f(x) x^2 - 13 f(x) x + f(x) - 1)$$

Sequence: A021344
Score: 8.42719
Type of gen. func.: lgdogf

$$- \frac{240 x^3 - 321 x^2 + 118 x - 13}{(x - 1) (4 x - 1) (3 x - 1) (5 x - 1)}$$

Sequence: A021344
Score: 9.26954
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (4 x - 1) (3 x - 1) (5 x - 1)}$$

Sequence: A021354
Score: 3.96282
Type of gen. func.: ogf

$$(4092253 f(x) + 285696)$$

$$(72 f(x) x^4 - 126 f(x) x^3 + 67 f(x) x^2 - 14 f(x) x + f(x) - 1)$$

Sequence: A021354
Score: 8.88409
Type of gen. func.: lgdogf

$$- \frac{2 (144 x^3 - 189 x^2 + 67 x - 7)}{(x - 1) (6 x - 1) (4 x - 1) (3 x - 1)}$$

Sequence: A021354
Score: 9.76028
Type of gen. func.: ogf

$$1$$

$$\frac{\qquad}{(x - 1) (6 x - 1) (4 x - 1) (3 x - 1)}$$

Sequence: A021355
Score: 11.8059
Type of gen. func.: ogf

$$-\frac{x^2 (9 x^3 + 4 x^2 + 8 x + 2)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A021355
Score: 9.52883
Type of gen. func.: lgdogf

$$-\frac{27 x^8 + 16 x^7 + 40 x^6 + 12 x^5 + 27 x^2 + 8 x + 8}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (9 x^3 + 4 x^2 + 8 x + 2)}$$

Sequence: A021356
Score: 12.4005
Type of gen. func.: lgdogf

$$\frac{2 (5 x^5 - 4 x^4 - 10 x^3 + 8 x^2 - 4 x - 4)}{(x - 1) (x + 1) (5 x^4 - 8 x^3 + 2 x^2 + 8 x + 2)}$$

Sequence: A021356
Score: 9.56792
Type of gen. func.: ogf

$$-\frac{x^2 (5 x^4 - 8 x^3 + 2 x^2 + 8 x + 2)}{(x - 1) (x + 1)}$$

Sequence: A021357
Score: 5.17643
Type of gen. func.: ogf

$$-x^2 (3 x^{14} + 5 x^{13} + x^{12} - 8 x^{11} - x^{10} + x^9 + 7 x^8 - 5 x^6 - 2 x^5 + 6 x^4 - x^3 - 5 x^2 + 6 x + 2) \Big/ ((x - 1) (x^{16} + 1))$$

Sequence: A021364
Score: 10.2510
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (3 x - 1) (7 x - 1) (4 x - 1)}$$

Sequence: A021364
Score: 3.79147
Type of gen. func.: ogf

$$(13762277102981 f(x) + 820916377344)$$

$$(84 f(x) x^4 - 145 f(x) x^3 + 75 f(x) x^2 - 15 f(x) x + f(x) - 1)$$

Sequence: A021364
Score: 9.02962
Type of gen. func.: lgdogf

$$-\frac{3 (112 x^3 - 145 x^2 + 50 x - 5)}{(x - 1) (3 x - 1) (7 x - 1) (4 x - 1)}$$

Sequence: A021368
Score: 10.9065
Type of gen. func.: lgdogf

$$-\frac{5 x^6 - 6 x^5 + 18 x^4 - 12 x^3 + 12 x^2 - 6 x + 7}{(x - 1) (x + 1) (x^2 - x + 1) (5 x^3 - 3 x^2 + 5 x + 2)}$$

Sequence: A021368
Score: 11.8757
Type of gen. func.: ogf

$$-\frac{x^2 (5 x^3 - 3 x^2 + 5 x + 2)}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A021369
Score: 10.9065
Type of gen. func.: lgdogf

$$-\frac{12 x^7 - 18 x^6 + 28 x^5 - 5 x^4 - 20 x^3 + 22 x^2 - 8 x + 7}{(x - 1) (6 x^3 - 4 x^2 + 5 x + 2) (x^4 + 1)}$$

Sequence: A021369
Score: 11.1596
Type of gen. func.: ogf

$$-\frac{x^2 (6 x^3 - 4 x^2 + 5 x + 2)}{(x - 1) (x^4 + 1)}$$

Sequence: A021373
Score: 12.9792
Type of gen. func.: ogf

$$-\frac{x^2 (x^2 + 7 x + 2)}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A021373
Score: 14.1444
Type of gen. func.: lgdogf

$$-\frac{3 x^6 + 28 x^5 + 10 x^4 + 2 x + 7}{(x - 1) (x^2 + 7 x + 2) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A021373
Score: 7.54913
Type of gen. func.: ogf

$$-(176295 f(x) - 8528899) (f(x) x^5 + x^4 + 7 x^3 + 2 x^2 - f(x))$$

Sequence: A021374
Score: 10.7418
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (4 x - 1) (3 x - 1) (8 x - 1)}$$

Sequence: A021374
Score: 4.23397
Type of gen. func.: ogf

$$(952473823 f(x) + 49572864)$$

$$(96 f(x) x^4 - 164 f(x) x^3 + 83 f(x) x^2 - 16 f(x) x + f(x) - 1)$$

Sequence: A021374
Score: 9.47128
Type of gen. func.: lgdogf

$$- \frac{2 (192 x^3 - 246 x^2 + 83 x - 8)}{(x - 1) (4 x - 1) (3 x - 1) (8 x - 1)}$$

Sequence: A021376
Score: 6.16087
Type of gen. func.: ogf

$$- x^2 (5 x^{14} + 7 x^{13} + x^{11} + 3 x^9 + 4 x^8 + 2 x^6 + 7 x^5 + x^4 + 8 x^3 + 8 x^2 + 6 x + 2) \Big/ ((x - 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1) (x^8 - x^7 + x^5 - x^4 + x^3 - x + 1))$$

Sequence: A021378
Score: 5.50843
Type of gen. func.: ogf

$$-x^2 (5 x^{14} + 8 x^{13} + 3 x^{12} + 4 x^{11} + 4 x^{10} + x^9 + 9 x^8 + 7 x^7 + 6 x^6 + 9 x^5 + 7 x^4 + 3 x^3 + 7 x^2 + 6 x + 2) / ((x - 1) (x + 1) (x^2 + 1) (x^4 + 1) (x^8 + 1))$$

Sequence: A021379
Score: 3.79233
Type of gen. func.: ogf

$$(16020043847 f(x) + 739342080)$$

$$(108 f(x) x^4 - 183 f(x) x^3 + 91 f(x) x^2 - 17 f(x) x + f(x) - 1)$$

Sequence: A021379
Score: 8.86707
Type of gen. func.: lgdogf

$$-\frac{432 x^3 - 549 x^2 + 182 x - 17}{(x - 1) (4 x - 1) (3 x - 1) (9 x - 1)}$$

Sequence: A021379
Score: 9.72215
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (4 x - 1) (3 x - 1) (9 x - 1)}$$

Sequence: A021382
Score: 10.2868
Type of gen. func.: lgdogf

$$-\frac{10 x^7 - 5 x^6 + 16 x^5 + 3 x^4 - 10 x^3 + 17 x^2 - 4 x + 6}{(x - 1) (x^2 + x + 1) (x^2 - x + 1) (5 x^2 + 4 x + 2)}$$

Sequence: A021382
Score: 9.89302
Type of gen. func.: ogf

$$-\frac{x^{2} (5 x^{3} + 4 x + 2)}{(x - 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A021384
Score: 10.0900
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (4 x - 1) (3 x - 1) (10 x - 1)}$$

Sequence: A021384
Score: 3.80104
Type of gen. func.: ogf

$$(6217427613881 f(x) + 257707872000)$$

$$(120 f(x) x^{4} - 202 f(x) x^{3} + 99 f(x) x^{2} - 18 f(x) x + f(x) - 1)$$

Sequence: A021384
Score: 9.20999
Type of gen. func.: lgdogf

$$-\frac{6 (80 x^{3} - 101 x^{2} + 33 x - 3)}{(x - 1) (4 x - 1) (3 x - 1) (10 x - 1)}$$

Sequence: A021388
Score: 11.8160
Type of gen. func.: ogf

$$-\frac{x^{2} (5 x^{5} - 3 x^{4} + 4 x^{3} - 6 x^{2} + 4 x + 2)}{x - 1}$$

Sequence: A021388
Score: 12.0698
Type of gen. func.: lgdogf

$$\frac{2\,(10\,x^5 - 17\,x^4 + 10\,x^3 - 9\,x^2 + 6\,x - 3)}{(x - 1)\,(5\,x^5 - 3\,x^4 + 4\,x^3 - 6\,x^2 + 4\,x + 2)}$$

Sequence: A021389
Score: 12.1871
Type of gen. func.: ogf

$$-\frac{x^2\,(4\,x^2 + 3\,x + 2)}{(x - 1)\,(x + 1)\,(x^2 - x + 1)}$$

Sequence: A021389
Score: 13.1194
Type of gen. func.: lgdogf

$$-\frac{8\,x^5 + 5\,x^4 + 2\,x^3 - 10\,x^2 + 8\,x + 5}{(x - 1)\,(x + 1)\,(x^2 - x + 1)\,(4\,x^2 + 3\,x + 2)}$$

Sequence: A021389
Score: 6.56959
Type of gen. func.: ogf

$$-(1927\,f(x) - 868)\,(f(x)\,x^4 - f(x)\,x^3 + 4\,x^4 + 3\,x^3 + f(x)\,x + 2\,x^2 - f(x))$$

Sequence: A021394
Score: 10.0131
Type of gen. func.: ogf

$$\frac{1}{(x - 1)\,(3\,x - 1)\,(4\,x - 1)\,(11\,x - 1)}$$

Sequence: A021394
Score: 3.68903
Type of gen. func.: ogf

$$(1535362210511933 f(x) + 57750200107776)$$

$$(132 f(x) x^4 - 221 f(x) x^3 + 107 f(x) x^2 - 19 f(x) x + f(x) - 1)$$

Sequence: A021394
Score: 9.00279
Type of gen. func.: lgdogf

$$-\frac{528 x^3 - 663 x^2 + 214 x - 19}{(x - 1) (3 x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A021399
Score: 6.58405
Type of gen. func.: ogf

$$- x^2 (2 x^{11} + 6 x^{10} + 9 x^9 + 6 x^8 + 5 x^7 + 5 x^6 + 4 x^5 + 6 x^4 + x^3 + 3 x^2 + 5 x$$

$$+ 2) \Big/ ((x - 1)$$

$$(x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1))$$

Sequence: A021400
Score: 13.6482
Type of gen. func.: ogf

$$f(x) (f(x) x^2 + 5 x^3 + 2 x^2 - f(x))$$

Sequence: A021400
Score: 18.6618
Type of gen. func.: ogf

$$-\frac{x^2 (5 x + 2)}{(x - 1) (x + 1)}$$

Sequence: A021400
Score: 26.6247
Type of gen. func.: lgdogf

$$-\frac{5 x^2 + 4 x + 5}{(x - 1) (5 x + 2) (x + 1)}$$

Sequence: A021400
Score: 9.72797
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 2), a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 5\}$$

Sequence: A021403
Score: 7.22687
Type of gen. func.: ogf

$$-\frac{x^2 (x^7 - x^6 + 4 x^5 - 4 x^4 + 6 x^3 - 5 x^2 + 3 x + 2)}{(x - 1) (x + 1) (x^2 - x + 1) (x^6 - x^3 + 1)}$$

Sequence: A021404
Score: 3.85573
Type of gen. func.: ogf

$$(488363 f(x) + 16812)$$

$$(144 f(x) x^4 - 240 f(x) x^3 + 115 f(x) x^2 - 20 f(x) x + f(x) - 1)$$

Sequence: A021404
Score: 9.15734
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (3 x - 1) (12 x - 1) (4 x - 1)}$$

Sequence: A021408
Score: 13.2526
Type of gen. func.: ogf

$$-\frac{x^2 (5 x^2 + 2 x + 2)}{(x^2 + 1) (x - 1)}$$

Sequence: A021408
Score: 17.4084
Type of gen. func.: lgdogf

$$-\frac{5 x^4 + 4 x^3 - x^2 + 6 x + 4}{(x - 1) (x^2 + 1) (5 x^2 + 2 x + 2)}$$

Sequence: A021408
Score: 6.82410
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 4, a(4) = 7\}$$

Sequence: A021408
Score: 7.14398
Type of gen. func.: ogf

$$-(1012 f(x) - 129) (f(x) x^3 + 5 x^4 - f(x) x^2 + 2 x^3 + f(x) x + 2 x^2 - f(x))$$

Sequence: A021409
Score: 8.95338
Type of gen. func.: ogf

$$-\frac{x^2 (8 x^7 + 5 x^6 + 3 x^5 + x^4 + 9 x^3 + 6 x^2 + 4 x + 2)}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A021411
Score: 11.8059
Type of gen. func.: ogf

$$-\frac{x^2 (7 x^3 + 5 x^2 + 4 x + 2)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A021411
Score: 9.42957
Type of gen. func.: lgdogf

$$-\frac{21 x^8 + 20 x^7 + 20 x^6 + 12 x^5 + 21 x^2 + 10 x + 4}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (7 x^3 + 5 x^2 + 4 x + 2)}$$

Sequence: A021412
Score: 5.27170
Type of gen. func.: ogf

$$- x^2 (5 x^{16} + 2 x^{15} + 6 x^{14} + 8 x^{13} + 6 x^{12} + 5 x^{11} + x^{10} + 2 x^9 + 9 x^8 + 3 x^7$$

$$+ 8 x^5 + 9 x^4 + 5 x^2 + 4 x + 2) \Big/ ((x - 1) (x + 1) (x^2 + 1) (x^4 + 1)$$

$$(x^8 + 1))$$

Sequence: A021414
Score: 10.0329
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (6 x - 1) (3 x - 1) (5 x - 1)}$$

Sequence: A021414
Score: 3.86983
Type of gen. func.: ogf

$$(16394350577 f(x) + 911952000)$$

$$(90 f(x) x^4 - 153 f(x) x^3 + 77 f(x) x^2 - 15 f(x) x + f(x) - 1)$$

Sequence: A021414
Score: 9.13792
Type of gen. func.: lgdogf

$$-\frac{360 x^3 - 459 x^2 + 154 x - 15}{(x - 1) (6 x - 1) (3 x - 1) (5 x - 1)}$$

Sequence: A021415
Score: 10.2603
Type of gen. func.: ogf

$$-\frac{x^2 (9 x^5 + 3 x^3 + 3 x^2 + 4 x + 2)}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A021415
Score: 8.08249
Type of gen. func.: lgdogf

$$-\frac{27 x^{12} + 15 x^{10} + 18 x^9 + 28 x^8 + 16 x^7 + 45 x^4 + 9 x^2 + 6 x + 4}{(x - 1) (x + 1) (x^2 + 1) (9 x^5 + 3 x^3 + 3 x^2 + 4 x + 2) (x^4 + 1)}$$

Sequence: A021420
Score: 7.30031
Type of gen. func.: lgdogf

$$\frac{10 x^9 - 23 x^8 + 16 x^7 + 13 x^6 - 54 x^5 + 51 x^4 - 22 x^3 - 13 x^2 + 8 x - 4}{(x - 1) (x + 1) (x^2 - x + 1) (5 x^6 - 8 x^5 + 7 x^4 + 5 x^3 - 4 x^2 + 2 x + 2)}$$

Sequence: A021420
Score: 9.00826
Type of gen. func.: ogf

$$x^2 (5 x^6 - 8 x^5 + 7 x^4 + 5 x^3 - 4 x^2 + 2 x + 2)$$

```
               - -----------------------------------------------
                                            2
                          (x - 1) (x + 1) (x  - x + 1)



------------------------------------------------------------------------------

Sequence:  A021422
Score: 8.43183
Type of gen. func.: ogf


                     2     8    5    4      3      2
                    x  (5 x  + x  + x  - 7 x  + 6 x  + x + 2)
                  - ------------------------------------------
                                      2            6    3
                    (x - 1) (x + 1) (x  - x + 1) (x  - x  + 1)



------------------------------------------------------------------------------

Sequence:  A021424
Score: 10.2252
Type of gen. func.: ogf


                                       1
                     -------------------------------------
                     (x - 1) (3 x - 1) (7 x - 1) (5 x - 1)



------------------------------------------------------------------------------

Sequence:  A021424
Score: 3.85197
Type of gen. func.: ogf


(9614524555603 f(x) + 456691165875)

               4             3            2
    (105 f(x) x  - 176 f(x) x  + 86 f(x) x  - 16 f(x) x + f(x) - 1)



------------------------------------------------------------------------------

Sequence:  A021424
Score: 9.49328
Type of gen. func.: lgdogf


                                 3        2
                         4 (105 x  - 132 x  + 43 x - 4)
                    - -------------------------------------
                      (x - 1) (3 x - 1) (7 x - 1) (5 x - 1)



------------------------------------------------------------------------------

Sequence:  A021428
Score: 6.29701
Type of gen. func.: ogf


   2     13      12      11      9      8      7      5      4      3      2
- x  (5 x   + 7 x   + 3 x   + 6 x  + 6 x  + 5 x  + 9 x  + 4 x  + 8 x  + 5 x
```

$$+ 3 x + 2) \Big/ ((x - 1) (x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1))$$

Sequence: A021429
Score: 8.06235
Type of gen. func.: ogf

$$- \frac{x^2 (8 x^8 - 3 x^6 - 5 x^5 + 7 x^4 - 3 x^3 + 2 x^2 + x + 2)}{(x - 1) (x^8 + 1)}$$

Sequence: A021433
Score: 12.5801
Type of gen. func.: ogf

$$- \frac{x^2 (x + 2)}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A021433
Score: 18.1048
Type of gen. func.: lgdogf

$$- \frac{3 (x^4 + 2 x^3 - 2 x^2 + 1)}{(x - 1) (x + 2) (x + 1) (x^2 - x + 1)}$$

Sequence: A021433
Score: 6.73145
Type of gen. func.: ogf

$$(43 f(x) + 185) (f(x) x^4 - f(x) x^3 + x^3 + f(x) x + 2 x^2 - f(x))$$

Sequence: A021434
Score: 10.6535

Type of gen. func.: ogf

$$\frac{1}{(x - 1) (3 x - 1) (8 x - 1) (5 x - 1)}$$

Sequence: A021434
Score: 3.90629
Type of gen. func.: ogf

$$(767501339205799 f(x) + 31795884288000)$$

$$(120 f(x) x^4 - 199 f(x) x^3 + 95 f(x) x^2 - 17 f(x) x + f(x) - 1)$$

Sequence: A021434
Score: 9.73162
Type of gen. func.: lgdogf

$$- \frac{480 x^3 - 597 x^2 + 190 x - 17}{(x - 1) (3 x - 1) (8 x - 1) (5 x - 1)}$$

Sequence: A021436
Score: 12.5264
Type of gen. func.: ogf

$$- \frac{x^2 (5 x^4 + 2 x^3 + x^2 + 3 x + 2)}{(x - 1) (x^2 + x + 1)}$$

Sequence: A021436
Score: 12.5728
Type of gen. func.: lgdogf

$$\frac{5 x^6 - x^4 - 26 x^3 - 12 x^2 - 2 x - 3}{(x - 1) (x^2 + x + 1) (5 x^4 + 2 x^3 + x^2 + 3 x + 2)}$$

Sequence: A021442
Score: 6.96337

Type of gen. func.: lgdogf

$$-(10x^{13}+4x^{11}+15x^{10}+48x^{9}+14x^{8}+16x^{7}+30x^{5}+4x^{3}+9x^{2}+16x+2)\Big/((x-1)(x+1)(x^{2}+1)(5x^{6}+x^{4}+3x^{3}+8x^{2}+2x+2)(x^{4}+1))$$

Sequence: A021442
Score: 9.92773
Type of gen. func.: ogf

$$-\frac{x^{2}(5x^{6}+x^{4}+3x^{3}+8x^{2}+2x+2)}{(x-1)(x+1)(x^{2}+1)(x^{4}+1)}$$

Sequence: A021444
Score: 12.1924
Type of gen. func.: ogf

$$f(x)(5x^{4}+f(x)x^{2}+2x^{3}+2x^{2}-f(x))$$

Sequence: A021444
Score: 16.0426
Type of gen. func.: ogf

$$-\frac{x^{2}(5x^{2}+2x+2)}{(x-1)(x+1)}$$

Sequence: A021444
Score: 22.6310
Type of gen. func.: lgdogf

$$-\frac{2(x^{2}+7x+1)}{(x-1)(x+1)(5x^{2}+2x+2)}$$

Sequence: A021444
Score: 8.62669
Type of gen. func.: ogf

$$\{-a(n + 5) + a(n + 3), a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 2, a(4) = 7\}$$

Sequence: A021448
Score: 11.575
Type of gen. func.: ogf

$$-f(x) (f(x) x^3 + 5 x^4 + 2 x^3 + 2 x^2 - f(x))$$

Sequence: A021448
Score: 15.8814
Type of gen. func.: lgdogf

$$-\frac{5 x^4 + 4 x^3 + 6 x^2 + 10 x + 2}{(x - 1) (x^2 + x + 1) (5 x^2 + 2 x + 2)}$$

Sequence: A021448
Score: 16.0426
Type of gen. func.: ogf

$$-\frac{x^2 (5 x^2 + 2 x + 2)}{(x - 1) (x^2 + x + 1)}$$

Sequence: A021448
Score: 8.62669
Type of gen. func.: ogf

$$\{-a(n + 5) + a(n + 2), a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 2, a(4) = 5\}$$

Sequence: A021452
Score: 7.18443
Type of gen. func.: lgdogf

$$(15 x^{10} - 26 x^{9} + 13 x^{8} + 22 x^{7} - 50 x^{6} + 32 x^{5} - 22 x^{4} - 2 x^{3} + 4 x^{2} - 2 x - 2$$

$$) / ((x - 1) (x + 1) (5 x^{7} - 3 x^{6} + 4 x^{5} - x^{4} + x^{3} + x^{2} + 2) (x^{2} - x + 1)$$

$$)$$

Sequence: A021452
Score: 9.05375
Type of gen. func.: ogf

$$- \frac{x^{2} (5 x^{7} - 3 x^{6} + 4 x^{5} - x^{4} + x^{3} + x^{2} + 2)}{(x - 1) (x + 1) (x^{2} - x + 1)}$$

Sequence: A021453
Score: 5.76703
Type of gen. func.: ogf

$$- x^{2} (x^{14} + 4 x^{13} + 4 x^{12} - 2 x^{11} - 7 x^{9} + 5 x^{8} + 3 x^{7} - 6 x^{6} + 6 x^{5} - 6 x^{4}$$

$$+ 5 x^{3} + 2) / ((x - 1) (x^{16} + 1))$$

Sequence: A021454
Score: 3.80633
Type of gen. func.: ogf

$$(17906651611 f(x) + 657588375)$$

$$(135 f(x) x^{4} - 222 f(x) x^{3} + 104 f(x) x^{2} - 18 f(x) x + f(x) - 1)$$

Sequence: A021454
Score: 8.96505
Type of gen. func.: lgdogf

$$- \frac{2 (270 x^{3} - 333 x^{2} + 104 x - 9)}{(x - 1) (3 x - 1) (9 x - 1) (5 x - 1)}$$

Sequence: A021454
Score: 9.65177
Type of gen. func.: ogf

$$\frac{1}{(x-1)(3x-1)(9x-1)(5x-1)}$$

Sequence: A021455
Score: 8.48691
Type of gen. func.: ogf

$$-\frac{x^2(9x^7+4x^6+9x^5+2x^4+7x^3+x^2+2x+2)}{(x-1)(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)}$$

Sequence: A021459
Score: 12.1871
Type of gen. func.: ogf

$$-\frac{x^2(8x^2-x+2)}{(x-1)(x+1)(x^2-x+1)}$$

Sequence: A021459
Score: 12.7498
Type of gen. func.: lgdogf

$$-\frac{16x^5-11x^4+10x^3-14x^2+16x+1}{(x-1)(x+1)(x^2-x+1)(8x^2-x+2)}$$

Sequence: A021459
Score: 6.78151
Type of gen. func.: ogf

$$(2147 f(x)+519)(f(x)x^4-f(x)x^3+8x^4-x^3+f(x)x+2x^2-f(x))$$

Sequence: A021464
Score: 3.93583
Type of gen. func.: ogf

$$(9108970541 f(x) + 300352320)$$

$$(150 f(x) x^4 - 245 f(x) x^3 + 113 f(x) x^2 - 19 f(x) x + f(x) - 1)$$

Sequence: A021464
Score: 9.20999
Type of gen. func.: lgdogf

$$- \frac{600 x^3 - 735 x^2 + 226 x - 19}{(x - 1) (3 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A021464
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (3 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A021466
Score: 12.1871
Type of gen. func.: ogf

$$- \frac{x^2 (5 x^2 - x + 2)}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A021466
Score: 12.9320
Type of gen. func.: lgdogf

$$- \frac{10 x^5 - 8 x^4 + 10 x^3 - 11 x^2 + 10 x + 1}{(x - 1) (x + 1) (x^2 - x + 1) (5 x^2 - x + 2)}$$

Sequence: A021466
Score: 6.83664
Type of gen. func.: ogf

$$(518 f(x) + 195) (f(x) x^4 - f(x) x^3 + 5 x^4 - x^3 + f(x) x + 2 x^2 - f(x))$$

Sequence: A021469
Score: 6.12683
Type of gen. func.: ogf

$$- x^2 (6 x^{13} + 8 x^{12} + 4 x^{10} + 4 x^9 + 3 x^8 + 6 x^7 + 7 x^6 + 3 x^5 + 5 x^4 + 5 x^2 + x + 2) / ((x - 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1) (x^8 - x^7 + x^5 - x^4 + x^3 - x + 1))$$

Sequence: A021472
Score: 13.2526
Type of gen. func.: ogf

$$- \frac{x^2 (5 x^2 - 3 x + 2)}{(x - 1) (x^2 - x + 1)}$$

Sequence: A021472
Score: 16.1650
Type of gen. func.: lgdogf

$$- \frac{5 x^4 - 6 x^3 + 2 x^2 + 2 x + 1}{(x - 1) (x^2 - x + 1) (5 x^2 - 3 x + 2)}$$

Sequence: A021472
Score: 6.43964
Type of gen. func.: ogf

{a(n + 5) - 2 a(n + 4) + 2 a(n + 3) - a(n + 2), a(0) = 0, a(1) = 0, a(2) = 2,

a(3) = 1, a(4) = 3}

Sequence: A021472
Score: 7.14398
Type of gen. func.: ogf

$$-(1559 f(x) + 793) (f(x) x^3 + 5 x^4 - 2 f(x) x^2 - 3 x^3 + 2 f(x) x + 2 x^2 - f(x))$$

Sequence: A021474
Score: 3.30229
Type of gen. func.: ogf

$$(858080273816999 f(x) + 25669848513375)$$
$$(165 f(x) x^4 - 268 f(x) x^3 + 122 f(x) x^2 - 20 f(x) x + f(x) - 1)$$

Sequence: A021474
Score: 8.25953
Type of gen. func.: lgdogf

$$-\frac{4 (165 x^3 - 201 x^2 + 61 x - 5)}{(x - 1) (3 x - 1) (5 x - 1) (11 x - 1)}$$

Sequence: A021474
Score: 8.90438
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (3 x - 1) (5 x - 1) (11 x - 1)}$$

Sequence: A021478
Score: 6.85374
Type of gen. func.: ogf

$$-\frac{x^2 (5 x^{11} + 3 x^{10} + x^9 + 4 x^8 + 6 x^7 + 4 x^6 + 7 x^4 + 9 x^3 + x + 2)}{(x - 1) (x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A021479
Score: 6.92858
Type of gen. func.: ogf

$$-\frac{x^{2}\,(4x^{9}+4x^{8}-2x^{7}-3x^{6}+4x^{5}-3x^{4}+5x^{3}-x^{2}-x+2)}{(x-1)\,(x+1)\,(x^{2}-x+1)\,(x^{6}-x^{3}+1)}$$

Sequence: A021481
Score: 7.16670
Type of gen. func.: ogf

$$-\frac{x^{2}\,(7x^{10}+8x^{9}+5x^{8}+6x^{6}+3x^{5}+4x^{4}+6x^{3}+9x^{2}+2)}{(x-1)\,(x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)}$$

Sequence: A021482
Score: 11.1697
Type of gen. func.: ogf

$$-\frac{x^{2}\,(5x^{5}+2x^{3}+9x^{2}+2)}{(x-1)\,(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)}$$

Sequence: A021482
Score: 9.05239
Type of gen. func.: lgdogf

$$-\frac{x\,(10x^{10}+8x^{8}+45x^{7}+14x^{5}+25x^{3}+6x+18)}{(x-1)\,(5x^{5}+2x^{3}+9x^{2}+2)\,(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)}$$

Sequence: A021484
Score: 3.50779
Type of gen. func.: ogf

$$(5723853336073\, f(x) + 156690144000)$$

$$(180\, f(x)\, x^{4} - 291\, f(x)\, x^{3} + 131\, f(x)\, x^{2} - 21\, f(x)\, x + f(x) - 1)$$

Sequence: A021484
Score: 8.40519
Type of gen. func.: lgdogf

$$-\frac{720 x^3 - 873 x^2 + 262 x - 21}{(x - 1) (3 x - 1) (5 x - 1) (12 x - 1)}$$

Sequence: A021484
Score: 9.20793
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (3 x - 1) (5 x - 1) (12 x - 1)}$$

Sequence: A021485
Score: 11.7563
Type of gen. func.: lgdogf

$$-\frac{x (27 x^5 - 26 x^4 + 25 x^3 - 12 x^2 - x + 14)}{(x - 1) (x^2 + x + 1) (x^2 - x + 1) (9 x^2 - 2 x + 2)}$$

Sequence: A021485
Score: 8.16309
Type of gen. func.: ogf

$$-\frac{x^2 (9 x^2 - 2 x + 2)}{(x - 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A021488
Score: 6.62960
Type of gen. func.: ogf

$$-\frac{x^2 (5 x^{11} + 2 x^{10} + 2 x^9 - 7 x^8 + 2 x^7 + 4 x^6 - 5 x^4 + 6 x^2 - 2 x + 2)}{(x - 1) (x + 1) (x^{10} - x^9 + x^8 - x^7 + x^6 - x^5 + x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A021494
Score: 10.4394
Type of gen. func.: ogf

$$\frac{1}{(x-1)(6x-1)(3x-1)(7x-1)}$$

Sequence: A021494
Score: 4.01514
Type of gen. func.: ogf

$$(161316356399 f(x) + 6353589312)$$

$$(126 f(x) x^4 - 207 f(x) x^3 + 97 f(x) x^2 - 17 f(x) x + f(x) - 1)$$

Sequence: A021494
Score: 9.53200
Type of gen. func.: lgdogf

$$-\frac{504 x^3 - 621 x^2 + 194 x - 17}{(x-1)(6x-1)(3x-1)(7x-1)}$$

Sequence: A021496
Score: 10.1712
Type of gen. func.: lgdogf

$$-\frac{x (x+1) (5 x^6 - x^5 + 10 x^4 - 10 x^3 + 20 x^2 + 6)}{(x-1)(x^4 + x^3 + x^2 + x + 1)(5 x^4 + 2 x^3 + 3 x^2 + 2)}$$

Sequence: A021496
Score: 12.6542
Type of gen. func.: ogf

$$-\frac{x^2 (5 x^4 + 2 x^3 + 3 x^2 + 2)}{(x-1)(x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A021498
Score: 7.06645
Type of gen. func.: ogf

$$-\frac{x^2 (5 x^8 + 3 x^7 - 8 x^6 + 7 x^5 - 2 x^4 + 2 x^3 + 2 x^2 - 2 x + 2)}{(x - 1) (x + 1) (x^2 - x + 1) (x^6 - x^3 + 1)}$$

Sequence: A021499
Score: 17.6824
Type of gen. func.: ogf

$$-\frac{2 x^2}{(x - 1) (x + 1)}$$

Sequence: A021499
Score: 44.7682
Type of gen. func.: ogf_with_Euler_transform]

[x]

Sequence: A021499
Score: 47.6059
Type of gen. func.: lgdogf

$$-\frac{2 x}{(x - 1) (x + 1)}$$

Sequence: A021499
Score: 7.11610
Type of gen. func.: ogf

{-a(n + 3) + a(n + 1), a(0) = 0, a(1) = 0, a(2) = 2}

Sequence: A021499
Score: 9.26221
Type of gen. func.: ogf

$$-f(x)\,(f(x)\,x^{2} + 2\,x^{2} - f(x))$$

Sequence: A021503
Score: 3.83288
Type of gen. func.: ogf

$$(285808607\,f(x) + 9815040)$$

$$(144\,f(x)\,x^{4} - 234\,f(x)\,x^{3} + 107\,f(x)\,x^{2} - 18\,f(x)\,x + f(x) - 1)$$

Sequence: A021503
Score: 8.62294
Type of gen. func.: lgdogf

$$-\frac{2\,(288\,x^{3} - 351\,x^{2} + 107\,x - 9)}{(x - 1)\,(6\,x - 1)\,(3\,x - 1)\,(8\,x - 1)}$$

Sequence: A021503
Score: 9.44532
Type of gen. func.: ogf

$$\frac{1}{(x - 1)\,(6\,x - 1)\,(3\,x - 1)\,(8\,x - 1)}$$

Sequence: A021504
Score: 3.92265
Type of gen. func.: ogf

$$(1239326957\,f(x) + 37718784)$$

$$(162\,f(x)\,x^{4} - 261\,f(x)\,x^{3} + 117\,f(x)\,x^{2} - 19\,f(x)\,x + f(x) - 1)$$

Sequence: A021504
Score: 9.11201
Type of gen. func.: lgdogf

$$648\,x^{3} - 783\,x^{2} + 234\,x - 19$$

$$- \frac{}{(x - 1) (6 x - 1) (3 x - 1) (9 x - 1)}$$

Sequence: A021504
Score: 9.80661
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (6 x - 1) (3 x - 1) (9 x - 1)}$$

Sequence: A021508
Score: 11.8757
Type of gen. func.: ogf

$$- \frac{x^2 (5 x^3 - 8 x^2 + 7 x + 1)}{(x - 1) (x^2 - x + 1)}$$

Sequence: A021508
Score: 14.1444
Type of gen. func.: lgdogf

$$- \frac{2 x^4 - 6 x^3 + 20 x^2 - 20 x + 9}{(x - 1) (x^2 - x + 1) (5 x^3 - 8 x^2 + 7 x + 1)}$$

Sequence: A021509
Score: 13.1827
Type of gen. func.: ogf

$$- \frac{x^2 (8 x + 1)}{(x^2 + 1) (x - 1)}$$

Sequence: A021509
Score: 21.0521
Type of gen. func.: lgdogf

3   2

$$-\frac{16 x - 5 x - 2 x + 9}{(x - 1) (8 x + 1) (x^{2} + 1)}$$

Sequence: A021509
Score: 6.18574
Type of gen. func.: ogf

{a(n + 4) - a(n + 3) + a(n + 2) - a(n + 1), a(0) = 0, a(1) = 0, a(2) = 1,

a(3) = 9}

Sequence: A021509
Score: 7.51538
Type of gen. func.: ogf

$$-f(x) (f(x) x^{3} - f(x) x^{2} + 8 x^{3} + f(x) x + x^{2} - f(x))$$

Sequence: A021510
Score: 6.35991
Type of gen. func.: ogf

$$-\frac{x^{2} (5 x^{10} - 4 x^{9} + 3 x^{8} + x^{7} - 4 x^{6} + 6 x^{5} - 4 x^{4} - x^{3} - 2 x^{2} + 8 x + 1)}{(x - 1) (x + 1) (x^{10} - x^{9} + x^{8} - x^{7} + x^{6} - x^{5} + x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A021514
Score: 3.96394
Type of gen. func.: ogf

$$(1821906383 f(x) + 49779000)$$

$$(180 f(x) x^{4} - 288 f(x) x^{3} + 127 f(x) x^{2} - 20 f(x) x + f(x) - 1)$$

Sequence: A021514
Score: 8.90803
Type of gen. func.: lgdogf

$$-\frac{2 (360 x^{3} - 432 x^{2} + 127 x - 10)}{}$$

$$(x - 1) (6 x - 1) (3 x - 1) (10 x - 1)$$

Sequence: A021514
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (6 x - 1) (3 x - 1) (10 x - 1)}$$

Sequence: A021516
Score: 12.9320
Type of gen. func.: lgdogf

$$\frac{30 x^5 + 10 x^4 + 4 x^3 + 9 x^2 + 10 x + 9}{5 x^6 + 2 x^5 + x^4 + 3 x^3 + 5 x^2 + 9 x + 1}$$

Sequence: A021522
Score: 8.25145
Type of gen. func.: ogf

$$- \frac{x^2 (5 x^3 - 5 x^2 + 8 x + 1)}{(x - 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A021522
Score: 9.42957
Type of gen. func.: lgdogf

$$- \frac{10 x^7 - 20 x^6 + 42 x^5 - 19 x^4 + 2 x^3 + 15 x^2 - 12 x + 9}{(x - 1) (x^2 + x + 1) (x^2 - x + 1) (5 x^3 - 5 x^2 + 8 x + 1)}$$

Sequence: A021524
Score: 3.47801
Type of gen. func.: ogf

$(514180809893 f(x) + 12744122688)$

$$(198 f(x) x^4 - 315 f(x) x^3 + 137 f(x) x^2 - 21 f(x) x + f(x) - 1)$$

Sequence: A021524
Score: 8.35557
Type of gen. func.: lgdogf

$$-\frac{792 x^3 - 945 x^2 + 274 x - 21}{(x - 1) (6 x - 1) (3 x - 1) (11 x - 1)}$$

Sequence: A021524
Score: 9.00555
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (6 x - 1) (3 x - 1) (11 x - 1)}$$

Sequence: A021529
Score: 11.5193
Type of gen. func.: ogf

$$-\frac{x^2 (6 x^5 + 7 x^4 + 4 x^3 + 9 x + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A021529
Score: 7.73708
Type of gen. func.: lgdogf

$$-\frac{6 x^{10} + 14 x^9 + 12 x^8 + 45 x^6 + 6 x^5 + 30 x^4 + 28 x^3 + 12 x^2 + 9}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (6 x^5 + 7 x^4 + 4 x^3 + 9 x + 1)}$$

Sequence: A021532
Score: 14.0681
Type of gen. func.: ogf

$$x^2 (5 x^3 - 8 x^2 - 8 x - 1)$$

```
                           --------------------------
                                (x - 1) (x + 1)
```

Sequence: A021532
Score: 17.4084
Type of gen. func.: lgdogf

```
                               4      2
                            5 x  - 7 x  + 18 x + 8
                    ---------------------------------------
                                            3      2
                    (x - 1) (x + 1) (5 x  - 8 x  - 8 x - 1)
```

Sequence: A021534
Score: 3.78451
Type of gen. func.: ogf

```
(70338847 f(x) + 1595136)

               4             3             2
    (216 f(x) x  - 342 f(x) x  + 147 f(x) x  - 22 f(x) x + f(x) - 1)
```

Sequence: A021534
Score: 8.04991
Type of gen. func.: lgdogf

```
                                 3        2
                         2 (432 x  - 513 x  + 147 x - 11)
                    - --------------------------------------
                      (x - 1) (6 x - 1) (3 x - 1) (12 x - 1)
```

Sequence: A021534
Score: 9.25852
Type of gen. func.: ogf

```
                                       1
                     --------------------------------------
                     (x - 1) (6 x - 1) (3 x - 1) (12 x - 1)
```

Sequence: A021536
Score: 7.04585
Type of gen. func.: ogf

```
            2     9      8      7      5      4      3    2
           x  (5 x  + 2 x  - 7 x  + 3 x  - 3 x  + 2 x  - x  + 7 x + 1)
         - -----------------------------------------------------------
```

$$(x - 1) (x + 1) (x^{2} - x + 1) (x^{6} - x^{3} + 1)$$

Sequence: A021544
Score: 3.49489
Type of gen. func.: ogf

$$(7551898444899413 f(x) + 221272335083520)$$

$$(168 f(x) x^{4} - 269 f(x) x^{3} + 119 f(x) x^{2} - 19 f(x) x + f(x) - 1)$$

Sequence: A021544
Score: 9.01995
Type of gen. func.: lgdogf

$$- \frac{672 x^{3} - 807 x^{2} + 238 x - 19}{(x - 1) (3 x - 1) (8 x - 1) (7 x - 1)}$$

Sequence: A021544
Score: 9.54854
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (3 x - 1) (8 x - 1) (7 x - 1)}$$

Sequence: A021546
Score: 10.5260
Type of gen. func.: lgdogf

$$- \frac{10 x^{7} + 12 x^{6} + 32 x^{5} + 5 x^{4} + 15 x^{2} + 8 x + 8}{(x - 1) (x^{4} + x^{3} + x^{2} + x + 1) (5 x^{3} + 4 x^{2} + 8 x + 1)}$$

Sequence: A021546
Score: 12.7250
Type of gen. func.: ogf

$$- \frac{x^{2} (5 x^{3} + 4 x^{2} + 8 x + 1)}{}$$

$$(x - 1) (x^4 + x^3 + x^2 + x + 1)$$

Sequence: A021548
Score: 6.11626
Type of gen. func.: ogf

$$- x^2 (5 x^{11} - 8 x^{10} + 2 x^9 + 8 x^8 - 3 x^7 + 2 x^6 + x^5 - 6 x^4 + 5 x^3 - 5 x^2 + 7 x + 1) / ((x - 1) (x^8 + 1))$$

Sequence: A021550
Score: 10.0582
Type of gen. func.: lgdogf

$$- \frac{10 x^7 - 17 x^6 + 36 x^5 - 15 x^4 + 15 x^2 - 10 x + 8}{(x - 1) (x^2 + x + 1) (x^2 - x + 1) (5 x^3 - 4 x^2 + 7 x + 1)}$$

Sequence: A021550
Score: 9.04201
Type of gen. func.: ogf

$$- \frac{x^2 (5 x^3 - 4 x^2 + 7 x + 1)}{(x - 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A021552
Score: 10.7580
Type of gen. func.: ogf

$$- \frac{x^2 (5 x^4 + 2 x^3 - 6 x^2 + 7 x + 1)}{(x - 1) (x^4 + 1)}$$

Sequence: A021552
Score: 9.42957
Type of gen. func.: lgdogf

$$-\frac{5x^8+4x^7-20x^6+40x^5-31x^4+12x^3+12x^2-12x+8}{(x-1)(5x^4+2x^3-6x^2+7x+1)(x^4+1)}$$

Sequence: A021554
Score: 13.6482
Type of gen. func.: ogf

$$f(x)\,(f(x)\,x^2+8x^3+x^2-f(x))$$

Sequence: A021554
Score: 18.6618
Type of gen. func.: ogf

$$-\frac{x^2\,(8x+1)}{(x-1)(x+1)}$$

Sequence: A021554
Score: 26.6247
Type of gen. func.: lgdogf

$$-\frac{2\,(4x^2+x+4)}{(x-1)(8x+1)(x+1)}$$

Sequence: A021554
Score: 9.72797
Type of gen. func.: ogf

{a(n + 4) - a(n + 2), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 8}

Sequence: A021559
Score: 10.8082
Type of gen. func.: ogf

$$-f(x)\,(f(x)\,x^3+8x^3+x^2-f(x))$$

Sequence: A021559
Score: 15.6609
Type of gen. func.: ogf

$$-\frac{x^2 (8 x + 1)}{(x - 1) (x^2 + x + 1)}$$

Sequence: A021559
Score: 22.0790
Type of gen. func.: lgdogf

$$-\frac{16 x^3 + 3 x^2 + 8}{(x - 1) (8 x + 1) (x^2 + x + 1)}$$

Sequence: A021559
Score: 8.16367
Type of gen. func.: ogf

{a(n + 4) - a(n + 1), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 8}

Sequence: A021564
Score: 8.53999
Type of gen. func.: lgdogf

$$\frac{5 x^8 - 10 x^7 + 6 x^6 + 22 x^5 - 32 x^4 + 28 x^3 - 10 x^2 + 2 x + 7}{(x - 1) (x + 1) (x^2 - x + 1) (5 x^5 - 8 x^4 + 2 x^3 - x^2 - 6 x - 1)}$$

Sequence: A021564
Score: 9.83257
Type of gen. func.: ogf

$$\frac{x^2 (5 x^5 - 8 x^4 + 2 x^3 - x^2 - 6 x - 1)}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A021565
Score: 5.65320
Type of gen. func.: ogf

$$-x^2 (9 x^{13} + 5 x^{12} + 9 x^{11} + 2 x^{10} + 4 x^9 + 9 x^8 + x^7 + x^6 + 3 x^5 + 5 x^4 + 2 x^3 + 8 x^2 + 7 x + 1) / ((x - 1) (x + 1) (x^2 + 1) (x^4 + 1) (x^8 + 1))$$

Sequence: A021566
Score: 5.32683
Type of gen. func.: ogf

$$-x^2 (5 x^{13} + 4 x^{12} - 6 x^{11} + 6 x^{10} - 3 x^9 - x^8 - 5 x^7 + 4 x^6 + 2 x^5 - 6 x^4 + 2 x^3 + 6 x + 1) / ((x - 1) (x^2 + 1) (x^{12} - x^{10} + x^8 - x^6 + x^4 - x^2 + 1))$$

Sequence: A021576
Score: 10.9065
Type of gen. func.: lgdogf

$$-\frac{5 x^6 - 6 x^5 + 21 x^4 - 18 x^3 + 15 x^2 - 6 x + 7}{(x - 1) (x + 1) (x^2 - x + 1) (5 x^3 - 3 x^2 + 6 x + 1)}$$

Sequence: A021576
Score: 11.8757
Type of gen. func.: ogf

$$-\frac{x^2 (5 x^3 - 3 x^2 + 6 x + 1)}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A021579
Score: 5.93927

Type of gen. func.: ogf

$$-\frac{x^{2} \left(2 x^{11} + 3 x^{10} + x^{9} - x^{8} + 4 x^{7} - 3 x^{6} + 2 x^{5} - 8 x^{4} + 6 x^{3} - 4 x^{2} + 6 x + 1\right)}{(x - 1) (x + 1) \left(x^{10} - x^{9} + x^{8} - x^{7} + x^{6} - x^{5} + x^{4} - x^{3} + x^{2} - x + 1\right)}$$

Sequence: A021580
Score: 13.2526
Type of gen. func.: ogf

$$\frac{x^{2} \left(5 x^{4} - 3 x^{3} + 4 x^{2} - 6 x - 1\right)}{x - 1}$$

Sequence: A021580
Score: 15.0873
Type of gen. func.: lgdogf

$$\frac{15 x^{4} - 26 x^{3} + 13 x^{2} - 8 x + 7}{(x - 1) \left(5 x^{4} - 3 x^{3} + 4 x^{2} - 6 x - 1\right)}$$

Sequence: A021584
Score: 5.34705
Type of gen. func.: ogf

$$-\frac{x^{2} \left(5 x^{14} + x^{12} + 3 x^{11} - x^{10} - 2 x^{9} - 6 x^{8} + 2 x^{7} + 4 x^{6} + 2 x^{5} - 3 x^{4} + 2 x^{3} - 5 x^{2} + 6 x + 1\right)}{(x - 1) \left(x^{2} + 1\right) \left(x^{12} - x^{10} + x^{8} - x^{6} + x^{4} - x^{2} + 1\right)}$$

Sequence: A021588
Score: 9.33236
Type of gen. func.: lgdogf

$$-\frac{7 x^{8} + 2 x^{7} - 19 x^{6} + 16 x^{5} + 6 x^{4} + 2 x^{3} + 9 x^{2} - 12 x + 7}{(x - 1) (5 x^{5} + 2 x^{4} + x^{3} - 6 x^{2} + 6 x + 1) (x^{4} + 1)}$$

Sequence: A021588
Score: 9.83257
Type of gen. func.: ogf

$$-\frac{x^{2} (5 x^{5} + 2 x^{4} + x^{3} - 6 x^{2} + 6 x + 1)}{(x - 1) (x^{4} + 1)}$$

Sequence: A021589
Score: 11.8059
Type of gen. func.: ogf

$$-\frac{x^{2} (4 x^{4} + 9 x^{3} + 7 x + 1)}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A021589
Score: 9.42957
Type of gen. func.: lgdogf

$$-\frac{8 x^{9} + 27 x^{8} + 35 x^{6} + 6 x^{5} + 16 x^{3} + 27 x^{2} + 7}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (4 x^{4} + 9 x^{3} + 7 x + 1)}$$

Sequence: A021594
Score: 3.85383
Type of gen. func.: ogf

$(193812667873 f(x) + 5032029177)$

$(189 f(x) x^{4} - 300 f(x) x^{3} + 130 f(x) x^{2} - 20 f(x) x + f(x) - 1)$

Sequence: A021594
Score: 9.36879
Type of gen. func.: lgdogf

$$-\frac{4\,(189\,x^3 - 225\,x^2 + 65\,x - 5)}{(x - 1)\,(3\,x - 1)\,(7\,x - 1)\,(9\,x - 1)}$$

Sequence: A021594
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(x - 1)\,(3\,x - 1)\,(7\,x - 1)\,(9\,x - 1)}$$

Sequence: A021596
Score: 12.0698
Type of gen. func.: lgdogf

$$\frac{5\,x^6 + 8\,x^4 - 8\,x^3 + 27\,x^2 + 16\,x + 6}{(x - 1)\,(x^2 + x + 1)\,(5\,x^4 - 8\,x^3 - 8\,x^2 - 6\,x - 1)}$$

Sequence: A021596
Score: 12.5264
Type of gen. func.: ogf

$$\frac{x^2\,(5\,x^4 - 8\,x^3 - 8\,x^2 - 6\,x - 1)}{(x - 1)\,(x^2 + x + 1)}$$

Sequence: A021598
Score: 11.5193
Type of gen. func.: ogf

$$-\frac{x^2\,(5\,x^4 + 3\,x^3 + 8\,x^2 + 6\,x + 1)}{(x - 1)\,(x + 1)\,(x^2 + x + 1)\,(x^2 - x + 1)}$$

Sequence: A021598
Score: 8.01096
Type of gen. func.: lgdogf

$$-\frac{10x^9+9x^8+32x^7+30x^6+6x^5+20x^3+9x^2+16x+6}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)(5x^4+3x^3+8x^2+6x+1)}$$

Sequence: A021604
Score: 3.60358
Type of gen. func.: ogf

$$(35010880699879051\,f(x)+815945072544000)$$

$$(210\,f(x)\,x^4-331\,f(x)\,x^3+141\,f(x)\,x^2-21\,f(x)\,x+f(x)-1)$$

Sequence: A021604
Score: 9.20999
Type of gen. func.: lgdogf

$$-\frac{3\,(280x^3-331x^2+94x-7)}{(x-1)(3x-1)(7x-1)(10x-1)}$$

Sequence: A021604
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(x-1)(3x-1)(7x-1)(10x-1)}$$

Sequence: A021609
Score: 6.35991
Type of gen. func.: ogf

$$-\frac{x^2\,(8x^{10}-5x^9+x^8+3x^7-7x^6+x^5+6x^4-3x^3-x^2+5x+1)}{(x-1)(x+1)(x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)}$$

Sequence: A021610
Score: 13.1827
Type of gen. func.: ogf

$$-\frac{x^{2} (5 x + 1)}{(x^{2} + 1) (x - 1)}$$

Sequence: A021610
Score: 22.6310
Type of gen. func.: lgdogf

$$-\frac{2 (5 x^{3} - x^{2} - x + 3)}{(x - 1) (5 x + 1) (x^{2} + 1)}$$

Sequence: A021610
Score: 6.18574
Type of gen. func.: ogf

$\{a(n + 4) - a(n + 3) + a(n + 2) - a(n + 1), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 6\}$

Sequence: A021610
Score: 7.51538
Type of gen. func.: ogf

$$-f(x) (f(x) x^{3} - f(x) x^{2} + 5 x^{3} + f(x) x + x^{2} - f(x))$$

Sequence: A021612
Score: 6.06431
Type of gen. func.: ogf

$$- x^{2} (5 x^{12} - 3 x^{11} + 4 x^{10} - x^{9} - 4 x^{8} + 2 x^{7} + 3 x^{6} - 4 x^{5} + 3 x^{4} - 2 x^{2} + 5 x + 1) / ((x - 1) (x + 1) (x^{2} - x + 1) (x^{6} - x^{3} + 1))$$

Sequence: A021614
Score: 3.31155
Type of gen. func.: ogf

$$(16886146973176841 f(x) + 356960980059453)$$

$$(231 f(x) x^4 - 362 f(x) x^3 + 152 f(x) x^2 - 22 f(x) x + f(x) - 1)$$

Sequence: A021614
Score: 8.17451
Type of gen. func.: lgdogf

$$-\frac{2 (462 x^3 - 543 x^2 + 152 x - 11)}{(x - 1) (7 x - 1) (3 x - 1) (11 x - 1)}$$

Sequence: A021614
Score: 9.10675
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (7 x - 1) (3 x - 1) (11 x - 1)}$$

Sequence: A021616
Score: 5.50843
Type of gen. func.: ogf

$$- x^2 (5 x^{15} + 7 x^{14} + 5 x^{13} + 4 x^{12} + x^{10} + 8 x^9 + 2 x^8 + 9 x^7 + 6 x^6 + 8 x^5 + 9 x^4 + 3 x^3 + 3 x^2 + 6 x + 1) / ((x - 1) (x + 1) (x^2 + 1) (x^4 + 1) (x^8 + 1))$$

Sequence: A021619
Score: 10.6499
Type of gen. func.: lgdogf

$$-\frac{12 x^7 + 6 x^6 + 24 x^5 + 5 x^4 + 18 x^2 + 4 x + 6}{(x - 1) (6 x^3 + 2 x^2 + 6 x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A021619
Score: 12.7250
Type of gen. func.: ogf

$$-\frac{x^2 (6 x^3 + 2 x^2 + 6 x + 1)}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A021620
Score: 10.4050
Type of gen. func.: lgdogf

$$-\frac{7 x^6 - 8 x^5 + 4 x^4 + 10 x^3 + 7 x^2 - 8 x + 6}{(x - 1) (x + 1) (x^2 - x + 1) (5 x^4 + 2 x^3 - 4 x^2 + 5 x + 1)}$$

Sequence: A021620
Score: 10.7580
Type of gen. func.: ogf

$$-\frac{x^2 (5 x^4 + 2 x^3 - 4 x^2 + 5 x + 1)}{(x^2 - x + 1) (x - 1) (x + 1)}$$

Sequence: A021628
Score: 10.5260
Type of gen. func.: lgdogf

$$\frac{5 x^6 - 20 x^5 + 46 x^4 - 64 x^3 + 54 x^2 - 24 x + 6}{(x - 1) (x^2 - x + 1) (5 x^4 - 13 x^3 + 10 x^2 - 4 x - 1)}$$

Sequence: A021628
Score: 9.66560
Type of gen. func.: ogf

2   4   3   2

$$\frac{x\ (5 x - 13 x + 10 x - 4 x - 1)}{(x - 1) (x^{2} - x + 1)}$$

Sequence: A021629
Score: 3.49873
Type of gen. func.: ogf

$$(56319698762003 f(x) + 1089242171136)$$

$$(252 f(x) x^{4} - 393 f(x) x^{3} + 163 f(x) x^{2} - 23 f(x) x + f(x) - 1)$$

Sequence: A021629
Score: 8.36029
Type of gen. func.: lgdogf

$$- \frac{1008 x^{3} - 1179 x^{2} + 326 x - 23}{(x - 1) (7 x - 1) (3 x - 1) (12 x - 1)}$$

Sequence: A021629
Score: 9.30912
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (7 x - 1) (3 x - 1) (12 x - 1)}$$

Sequence: A021631
Score: 5.20047
Type of gen. func.: ogf

$$- x^{2} (7 x^{11} + 3 x^{10} - 3 x^{9} + 5 x^{8} - x^{7} - x^{6} + 5 x^{5} - x^{4} - x^{3} + 8 x^{2} + 5 x + 1) \Big/ ((x - 1) (x + 1) (x^{6} + x^{3} + 1) (x^{6} - x^{3} + 1))$$

Sequence: A021634
Score: 3.74967
Type of gen. func.: ogf

```
(19339252526561 f(x) + 437604415488)

               4             3             2
    (216 f(x) x  - 339 f(x) x  + 143 f(x) x  - 21 f(x) x + f(x) - 1)



------------------------------------------------------------------------------

Sequence:  A021634
Score: 9.05649
Type of gen. func.: lgdogf


                               3         2
                          864 x  - 1017 x  + 286 x - 21
                    - -------------------------------------
                      (x - 1) (3 x - 1) (9 x - 1) (8 x - 1)



------------------------------------------------------------------------------

Sequence:  A021634
Score: 9.90984
Type of gen. func.: ogf


                                       1
                     -------------------------------------
                     (x - 1) (3 x - 1) (9 x - 1) (8 x - 1)



------------------------------------------------------------------------------

Sequence:  A021636
Score: 6.16967
Type of gen. func.: ogf


   2     13      12    11    9      8      7      6      5      4      3      2
- x  (5 x   + 2 x   + x   + x  + 8 x  + 4 x  + 8 x  + 7 x  + 2 x  + 2 x  + 8 x

                  /
     + 5 x + 1)  /  ((x - 1)
                /

      12    11    10    9    8    7    6    5    4    3    2
    (x   + x   + x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1))



------------------------------------------------------------------------------

Sequence:  A021640
Score: 6.74680
Type of gen. func.: ogf


   2     12      11      9      8      6      5      4      3      2
- x  (5 x   + 2 x   + 4 x  + 4 x  + 7 x  + 2 x  + 3 x  + 2 x  + 7 x  + 5 x + 1)

       /
      /  ((x - 1)
     /

      12    11    10    9    8    7    6    5    4    3    2
    (x   + x   + x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1))
```

```
------------------------------------------------------------------------------

Sequence:  A021644
Score: 3.72451
Type of gen. func.: ogf


(62029404477953 f(x) + 1259791488000)

               4             3             2
    (240 f(x) x  - 374 f(x) x  + 155 f(x) x  - 22 f(x) x + f(x) - 1)



------------------------------------------------------------------------------

Sequence:  A021644
Score: 8.76435
Type of gen. func.: lgdogf


                                 3        2
                         2 (480 x  - 561 x  + 155 x - 11)
                    - --------------------------------------
                      (x - 1) (3 x - 1) (8 x - 1) (10 x - 1)



------------------------------------------------------------------------------

Sequence:  A021644
Score: 9.90984
Type of gen. func.: ogf


                                       1
                     --------------------------------------
                     (x - 1) (3 x - 1) (8 x - 1) (10 x - 1)



------------------------------------------------------------------------------

Sequence:  A021645
Score: 4.92730
Type of gen. func.: ogf


   2     14      13      12      11      10       9      8      7      6      5
- x  (9 x   - 6 x   - 3 x   + 5 x   + 2 x   + 2 x  - 4 x  + 2 x  - 4 x  + 6 x

          3    2              /            16
     - 6 x  + x  + 4 x + 1)  /  ((x - 1) (x   + 1))
                            /



------------------------------------------------------------------------------

Sequence:  A021652
Score: 8.07367
Type of gen. func.: ogf


           2     9      8      7      6      4      3      2
          x  (5 x  + 7 x  + 8 x  + 9 x  + 2 x  + 3 x  + 4 x  + 5 x + 1)
        - -------------------------------------------------------------
                                 2            6    3
                       (x - 1) (x  + x + 1) (x  + x  + 1)
```

Sequence: A021654
Score: 10.9065
Type of gen. func.: lgdogf

$$-\frac{6x^6-4x^5+14x^4-16x^3+17x^2-4x+5}{(x-1)(x+1)(x^2-x+1)(6x^3-2x^2+4x+1)}$$

Sequence: A021654
Score: 11.8757
Type of gen. func.: ogf

$$-\frac{x^2(6x^3-2x^2+4x+1)}{(x^2-x+1)(x-1)(x+1)}$$

Sequence: A021660
Score: 7.41999
Type of gen. func.: lgdogf

$$(5x^{10}+3x^8+8x^7+6x^6-10x^5+45x^4+12x^3+12x^2+4x+5) \Big/ \Big((x-1)(x^4+x^3+x^2+x+1)(5x^6-8x^5-3x^4-4x^3-2x^2-5x-1)\Big)$$

Sequence: A021660
Score: 9.29351
Type of gen. func.: ogf

$$\frac{x^2(5x^6-8x^5-3x^4-4x^3-2x^2-5x-1)}{(x-1)(x^4+x^3+x^2+x+1)}$$

Sequence: A021661
Score: 10.2603
Type of gen. func.: ogf

$$-\frac{x^{2}\,(7x^{5}+2x^{3}+2x^{2}+5x+1)}{(x-1)(x+1)(x^{2}+1)(x^{4}+1)}$$

Sequence: A021661
Score: 8.15530
Type of gen. func.: lgdogf

$$-\frac{21x^{12}+10x^{10}+12x^{9}+35x^{8}+8x^{7}+35x^{4}+6x^{2}+4x+5}{(x-1)(x+1)(x^{2}+1)(7x^{5}+2x^{3}+2x^{2}+5x+1)(x^{4}+1)}$$

Sequence: A021664
Score: 3.30542
Type of gen. func.: ogf

$(168495209852197081\, f(x) + 3103775168440320)$

$(264\, f(x)\, x^{4} - 409\, f(x)\, x^{3} + 167\, f(x)\, x^{2} - 23\, f(x)\, x + f(x) - 1)$

Sequence: A021664
Score: 8.26740
Type of gen. func.: lgdogf

$$-\frac{1056x^{3}-1227x^{2}+334x-23}{(x-1)(3x-1)(11x-1)(8x-1)}$$

Sequence: A021664
Score: 9.20793
Type of gen. func.: ogf

$$\frac{1}{(x-1)(3x-1)(11x-1)(8x-1)}$$

Sequence: A021669
Score: 7.06645
Type of gen. func.: ogf

$$-\frac{x^2 (6 x^8 - 6 x^7 + 4 x^6 - 2 x^5 + 4 x^4 + 3 x^3 - 5 x^2 + 4 x + 1)}{(x - 1) (x + 1) (x^2 - x + 1) (x^6 - x^3 + 1)}$$

Sequence: A021670
Score: 10.8082
Type of gen. func.: ogf

$$-f(x) (f(x) x^3 + 5 x^3 + x^2 - f(x))$$

Sequence: A021670
Score: 15.6609
Type of gen. func.: ogf

$$-\frac{x^2 (5 x + 1)}{(x - 1) (x^2 + x + 1)}$$

Sequence: A021670
Score: 22.0790
Type of gen. func.: lgdogf

$$-\frac{10 x^3 + 3 x^2 + 5}{(x - 1) (5 x + 1) (x^2 + x + 1)}$$

Sequence: A021670
Score: 8.16367
Type of gen. func.: ogf

{a(n + 4) - a(n + 1), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 5}

Sequence: A021674
Score: 3.69724
Type of gen. func.: ogf

(8575060801 f(x) + 144506880)

$$(288 f(x) x^4 - 444 f(x) x^3 + 179 f(x) x^2 - 24 f(x) x + f(x) - 1)$$

Sequence: A021674
Score: 8.36029
Type of gen. func.: lgdogf

$$-\frac{2 (576 x^3 - 666 x^2 + 179 x - 12)}{(x - 1) (3 x - 1) (12 x - 1) (8 x - 1)}$$

Sequence: A021674
Score: 9.30912
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (3 x - 1) (12 x - 1) (8 x - 1)}$$

Sequence: A021676
Score: 8.58068
Type of gen. func.: ogf

$$\frac{x^2 (5 x^8 + 2 x^7 - 4 x^6 - 9 x^5 - 8 x^3 - 8 x^2 - 4 x - 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A021679
Score: 11.575
Type of gen. func.: ogf

$$-f(x) (f(x) x^3 + 8 x^4 + 4 x^3 + x^2 - f(x))$$

Sequence: A021679
Score: 15.8814
Type of gen. func.: lgdogf

$$-\frac{8 x^4 + 8 x^3 + 3 x^2 + 16 x + 4}{(x - 1) (x^2 + x + 1) (8 x^2 + 4 x + 1)}$$

Sequence: A021679
Score: 16.0426
Type of gen. func.: ogf

$$-\frac{x^2 (8 x^2 + 4 x + 1)}{(x - 1) (x^2 + x + 1)}$$

Sequence: A021679
Score: 8.62669
Type of gen. func.: ogf

$$\{-a(n + 5) + a(n + 2), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 4, a(4) = 8\}$$

Sequence: A021684
Score: 3.42267
Type of gen. func.: ogf

$$(89657240807299 f(x) + 1613105928000)$$

$$(270 f(x) x^4 - 417 f(x) x^3 + 169 f(x) x^2 - 23 f(x) x + f(x) - 1)$$

Sequence: A021684
Score: 8.17451
Type of gen. func.: lgdogf

$$-\frac{1080 x^3 - 1251 x^2 + 338 x - 23}{(x - 1) (3 x - 1) (9 x - 1) (10 x - 1)}$$

Sequence: A021684
Score: 9.10675
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (3 x - 1) (9 x - 1) (10 x - 1)}$$

Sequence: A021689
Score: 11.1596
Type of gen. func.: ogf

$$-\frac{x^2 (4 x^3 + x^2 + 3 x + 1)}{(x - 1) (x^4 + 1)}$$

Sequence: A021689
Score: 11.7563
Type of gen. func.: lgdogf

$$-\frac{8 x^7 - x^6 + 10 x^5 - 4 x^4 - 12 x^3 + 11 x^2 + 2 x + 4}{(x - 1) (4 x^3 + x^2 + 3 x + 1) (x^4 + 1)}$$

Sequence: A021694
Score: 3.52237
Type of gen. func.: ogf

$$(10810667864219 f(x) + 176403915963)$$

$$(297 f(x) x^4 - 456 f(x) x^3 + 182 f(x) x^2 - 24 f(x) x + f(x) - 1)$$

Sequence: A021694
Score: 8.64369
Type of gen. func.: lgdogf

$$-\frac{4 (297 x^3 - 342 x^2 + 91 x - 6)}{(x - 1) (9 x - 1) (3 x - 1) (11 x - 1)}$$

Sequence: A021694
Score: 9.30912
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (9 x - 1) (3 x - 1) (11 x - 1)}$$

Sequence: A021697
Score: 12.5801
Type of gen. func.: ogf

$$-\frac{x^{2} (3 x + 1)}{(x^{2} - x + 1) (x - 1) (x + 1)}$$

Sequence: A021697
Score: 17.4084
Type of gen. func.: lgdogf

$$-\frac{9 x^{4} - 2 x^{3} - 3 x^{2} + 4}{(x - 1) (3 x + 1) (x + 1) (x^{2} - x + 1)}$$

Sequence: A021697
Score: 6.73145
Type of gen. func.: ogf

$$(54 f(x) - 515) (f(x) x^{4} - f(x) x^{3} + 3 x^{3} + f(x) x + x^{2} - f(x))$$

Sequence: A021704
Score: 3.76413
Type of gen. func.: ogf

$$(5769018967 f(x) + 86116608)$$

$$(324 f(x) x^{4} - 495 f(x) x^{3} + 195 f(x) x^{2} - 25 f(x) x + f(x) - 1)$$

Sequence: A021704
Score: 8.45318
Type of gen. func.: lgdogf

$$-\frac{1296 x^{3} - 1485 x^{2} + 390 x - 25}{(x - 1) (3 x - 1) (12 x - 1) (9 x - 1)}$$

Sequence: A021704
Score: 9.41030
Type of gen. func.: ogf

$$\frac{1}{(x-1)(3x-1)(12x-1)(9x-1)}$$

Sequence: A021706
Score: 9.04201
Type of gen. func.: ogf

$$-\frac{x^2(5x^3-x^2+3x+1)}{(x-1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A021706
Score: 9.73375
Type of gen. func.: lgdogf

$$-\frac{2(x+1)(5x^6-9x^5+16x^4-16x^3+12x^2-4x+2)}{(x-1)(x^2+x+1)(x^2-x+1)(5x^3-x^2+3x+1)}$$

Sequence: A021708
Score: 11.0395
Type of gen. func.: lgdogf

$$\frac{15x^6+4x^5-29x^4-8x^3+8x^2-4x-4}{(x-1)(x+1)(5x^5+2x^4-4x^3+x^2+4x+1)}$$

Sequence: A021708
Score: 11.2325
Type of gen. func.: ogf

$$-\frac{x^2(5x^5+2x^4-4x^3+x^2+4x+1)}{(x-1)(x+1)}$$

Sequence: A021710
Score: 4.77998
Type of gen. func.: ogf

$$- x^{2} (5 x^{15} - 4 x^{14} + 8 x^{13} - 9 x^{11} + 5 x^{10} - 5 x^{9} + 4 x^{8} + 5 x^{7} - 3 x^{6} - x^{5} - 2 x^{4} + 5 x^{3} - 3 x^{2} + 3 x + 1) / ((x - 1) (x^{16} + 1))$$

Sequence: A021714
Score: 3.3385
Type of gen. func.: ogf

$$(781146743509660607 f(x) + 11438708575536000)$$

$$(330 f(x) x^{4} - 503 f(x) x^{3} + 197 f(x) x^{2} - 25 f(x) x + f(x) - 1)$$

Sequence: A021714
Score: 8.13986
Type of gen. func.: lgdogf

$$- \frac{1320 x^{3} - 1509 x^{2} + 394 x - 25}{(x - 1) (3 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A021714
Score: 9.35971
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (3 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A021715
Score: 7.23306
Type of gen. func.: ogf

$$- \frac{x^{2} (9 x^{10} + 6 x^{8} + 7 x^{7} + 9 x^{6} + 6 x^{5} + 4 x^{4} + 6 x^{3} + 4 x + 1)}{(x - 1) (x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A021719
Score: 12.1871
Type of gen. func.: ogf

$$-\frac{x^2 (6 x^2 + 2 x + 1)}{(x^2 - x + 1) (x - 1) (x + 1)}$$

Sequence: A021719
Score: 15.6076
Type of gen. func.: lgdogf

$$-\frac{3 (4 x^5 - 3 x^2 + 4 x + 1)}{(x - 1) (x + 1) (x^2 - x + 1) (6 x^2 + 2 x + 1)}$$

Sequence: A021719
Score: 6.67386
Type of gen. func.: ogf

$$(251752 f(x) - 215) (f(x) x^4 - f(x) x^3 + 6 x^4 + 2 x^3 + f(x) x + x^2 - f(x))$$

Sequence: A021721
Score: 10.8269
Type of gen. func.: ogf

$$-\frac{x^2 (7 x^4 + 4 x^3 + 9 x^2 + 3 x + 1)}{(x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A021721
Score: 7.80378
Type of gen. func.: lgdogf

$$-\frac{21 x^{10} + 16 x^9 + 45 x^8 + 18 x^7 + 7 x^6 + 28 x^3 + 12 x^2 + 18 x + 3}{(x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (7 x^4 + 4 x^3 + 9 x^2 + 3 x + 1)}$$

Sequence: A021724
Score: 3.71859
Type of gen. func.: ogf

$$(391425113467 f(x) + 5243328000)$$

$$(360 f(x) x^4 - 546 f(x) x^3 + 211 f(x) x^2 - 26 f(x) x + f(x) - 1)$$

Sequence: A021724
Score: 9.56209
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (3 x - 1) (12 x - 1) (10 x - 1)}$$

Sequence: A021729
Score: 5.34705
Type of gen. func.: ogf

$$- x^2 (4 x^{14} - 2 x^{13} + 5 x^{12} - 6 x^{11} + 4 x^{10} + x^8 + 3 x^7 - x^6 - 2 x^5 - 6 x^4$$

$$+ 2 x^3 + 4 x^2 + 2 x + 1) / ((x - 1) (x^2 + 1)$$

$$(x^{12} - x^{10} + x^8 - x^6 + x^4 - x^2 + 1))$$

Sequence: A021732
Score: 10.1712
Type of gen. func.: lgdogf

$$- \frac{2 x^6 + 8 x^5 - 13 x^4 + 26 x^3 - 16 x^2 + 8 x + 3}{(x - 1) (x + 1) (x^2 - x + 1) (5 x^4 - 3 x^3 + 4 x^2 + 2 x + 1)}$$

Sequence: A021732
Score: 10.7580
Type of gen. func.: ogf

$$x^2 (5 x^4 - 3 x^3 + 4 x^2 + 2 x + 1)$$

$$-\frac{}{(x^2 - x + 1) (x - 1) (x + 1)}$$

Sequence: A021734
Score: 3.11916
Type of gen. func.: ogf

$$(1256576363826367 f(x) + 15264393889536)$$

$$(396 f(x) x^4 - 597 f(x) x^3 + 227 f(x) x^2 - 27 f(x) x + f(x) - 1)$$

Sequence: A021734
Score: 7.46811
Type of gen. func.: lgdogf

$$-\frac{1584 x^3 - 1791 x^2 + 454 x - 27}{(x - 1) (3 x - 1) (12 x - 1) (11 x - 1)}$$

Sequence: A021734
Score: 8.46630
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (3 x - 1) (12 x - 1) (11 x - 1)}$$

Sequence: A021742
Score: 10.4050
Type of gen. func.: lgdogf

$$-\frac{10 x^7 + 15 x^6 + 12 x^5 + 5 x^4 + 15 x^2 + 10 x + 3}{(x - 1) (5 x^3 + 5 x^2 + 3 x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A021742
Score: 12.7250
Type of gen. func.: ogf

$$x^2 (5 x^3 + 5 x^2 + 3 x + 1)$$

```
                        - ------------------------------
                                    4    3    2
                          (x - 1) (x  + x  + x  + x + 1)
```

Sequence: A021744
Score: 3.75113
Type of gen. func.: ogf

```
(5598060693973 f(x) + 232670016000)

               4             3            2
    (120 f(x) x  - 194 f(x) x  + 89 f(x) x  - 16 f(x) x + f(x) - 1)
```

Sequence: A021744
Score: 9.08285
Type of gen. func.: lgdogf

```
                                 3        2
                         2 (240 x  - 291 x  + 89 x - 8)
                    - -------------------------------------
                      (x - 1) (6 x - 1) (4 x - 1) (5 x - 1)
```

Sequence: A021744
Score: 9.95756
Type of gen. func.: ogf

```
                                       1
                     -------------------------------------
                     (x - 1) (6 x - 1) (4 x - 1) (5 x - 1)
```

Sequence: A021752
Score: 5.37899
Type of gen. func.: ogf

```
   2     15      14      13    12      11      10      9      8      7      6
- x  (5 x   + 2 x   + 9 x   + x   + 2 x   + 7 x   + 5 x  + 9 x  + 3 x  + 8 x

          5      4      3      2              /                    2
     + 9 x  + 8 x  + 6 x  + 3 x  + 3 x + 1)  /  ((x - 1) (x + 1) (x  + 1)
                                            /

      4        8
    (x  + 1) (x  + 1))
```

Sequence: A021754
Score: 11.5184
Type of gen. func.: lgdogf

$$-\frac{560x^3-669x^2+198x-17}{(x-1)(4x-1)(7x-1)(5x-1)}$$

Sequence: A021754
Score: 12.7870
Type of gen. func.: ogf

$$\frac{1}{(x-1)(4x-1)(7x-1)(5x-1)}$$

Sequence: A021754
Score: 4.65751
Type of gen. func.: ogf

$$(2049503327984167 f(x) + 72661087072000)$$

$$(140 f(x) x^4 - 223 f(x) x^3 + 99 f(x) x^2 - 17 f(x) x + f(x) - 1)$$

Sequence: A021760
Score: 9.14382
Type of gen. func.: lgdogf

$$-\frac{5x^8+4x^7-7x^6+18x^5-14x^4+16x^3+7x^2-2x+3}{(x-1)(x^2+x+1)(x^2-x+1)(5x^4+2x^3+2x+1)}$$

Sequence: A021760
Score: 9.83257
Type of gen. func.: ogf

$$-\frac{x^2(5x^4+2x^3+2x+1)}{(x-1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A021764
Score: 10.5684
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (4 x - 1) (8 x - 1) (5 x - 1)}$$

Sequence: A021764
Score: 4.13869
Type of gen. func.: ogf

$$(34672047883 f(x) + 1071232000)$$

$$(160 f(x) x^4 - 252 f(x) x^3 + 109 f(x) x^2 - 18 f(x) x + f(x) - 1)$$

Sequence: A021764
Score: 9.83144
Type of gen. func.: lgdogf

$$- \frac{2 (320 x^3 - 378 x^2 + 109 x - 9)}{(x - 1) (4 x - 1) (8 x - 1) (5 x - 1)}$$

Sequence: A021769
Score: 5.61625
Type of gen. func.: ogf

$$- x^2 (6 x^{14} + 6 x^{13} + 3 x^{12} + 8 x^{11} + 4 x^{10} + 2 x^9 + 4 x^8 + 5 x^7 + 9 x^6 + 8 x^5$$

$$+ x^4 + 7 x^3 + 3 x + 1) \Big/ ((x - 1) (x + 1) (x^2 + 1) (x^4 + 1) (x^8 + 1))$$

Sequence: A021772
Score: 3.59395
Type of gen. func.: ogf

$$(1043470977364531 f(x) + 28560493728000)$$

$$(180 f(x) x^4 - 281 f(x) x^3 + 119 f(x) x^2 - 19 f(x) x + f(x) - 1)$$

Sequence: A021772
Score: 9.75500
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (4 x - 1) (9 x - 1) (5 x - 1)}$$

Sequence: A021774
Score: 4.05074
Type of gen. func.: ogf

$$(43094293 f(x) + 1058560)$$

$$(200 f(x) x^4 - 310 f(x) x^3 + 129 f(x) x^2 - 20 f(x) x + f(x) - 1)$$

Sequence: A021774
Score: 8.76435
Type of gen. func.: lgdogf

$$- \frac{2 (400 x^3 - 465 x^2 + 129 x - 10)}{(x - 1) (4 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A021774
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (4 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A021781
Score: 11.4587
Type of gen. func.: lgdogf

$$- \frac{21 x^6 - 10 x^5 + 9 x^4 - 2 x^3 - 5 x^2 + 12 x + 2}{(x - 1) (x^2 + x + 1) (x^2 - x + 1) (7 x^2 + x + 1)}$$

Sequence: A021781
Score: 9.02806
Type of gen. func.: ogf

$$-\frac{x^{2}\,(7\,x^{2}+x+1)}{(x-1)\,(x^{2}+x+1)\,(x^{2}-x+1)}$$

Sequence: A021784
Score: 3.25636
Type of gen. func.: ogf

$$(15242164188218753\,f(x) + 339550366496000)$$

$$(220\,f(x)\,x^{4} - 339\,f(x)\,x^{3} + 139\,f(x)\,x^{2} - 21\,f(x)\,x + f(x) - 1)$$

Sequence: A021784
Score: 8.16909
Type of gen. func.: lgdogf

$$-\frac{880\,x^{3} - 1017\,x^{2} + 278\,x - 21}{(x-1)\,(5\,x-1)\,(4\,x-1)\,(11\,x-1)}$$

Sequence: A021784
Score: 8.95496
Type of gen. func.: ogf

$$\frac{1}{(x-1)\,(5\,x-1)\,(4\,x-1)\,(11\,x-1)}$$

Sequence: A021794
Score: 3.57571
Type of gen. func.: ogf

$$(636172466191\,f(x) + 12964266000)$$

$$(240\,f(x)\,x^{4} - 368\,f(x)\,x^{3} + 149\,f(x)\,x^{2} - 22\,f(x)\,x + f(x) - 1)$$

Sequence: A021794
Score: 8.17975
Type of gen. func.: lgdogf

3   2

$$-\frac{2\,(480\,x - 552\,x + 149\,x - 11)}{(x-1)\,(5\,x-1)\,(12\,x-1)\,(4\,x-1)}$$

Sequence: A021794
Score: 9.25852
Type of gen. func.: ogf

$$\frac{1}{(x-1)\,(5\,x-1)\,(12\,x-1)\,(4\,x-1)}$$

Sequence: A021796
Score: 10.0487
Type of gen. func.: ogf

$$-(3255\,f(x) + 82)\,(5\,x^{4} + f(x)\,x^{2} + 2\,x^{3} + x^{2} - f(x))$$

Sequence: A021796
Score: 16.0426
Type of gen. func.: ogf

$$-\frac{x^{2}\,(5\,x^{2} + 2\,x + 1)}{(x-1)\,(x+1)}$$

Sequence: A021796
Score: 22.6310
Type of gen. func.: lgdogf

$$-\frac{2\,(x^{2} + 6\,x + 1)}{(x-1)\,(x+1)\,(5\,x^{2} + 2\,x + 1)}$$

Sequence: A021796
Score: 8.62669
Type of gen. func.: ogf

$\{-a(n + 5) + a(n + 3), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 2, a(4) = 6\}$

Sequence: A021799
Score: 6.58405
Type of gen. func.: ogf

$$-x^2 (2 x^{11} + 2 x^{10} + 5 x^9 + 3 x^8 + 6 x^7 + x^6 + 6 x^5 + 8 x^4 + 7 x^3 + 5 x^2 + 2 x + 1) / ((x - 1) (x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1))$$

Sequence: A021802
Score: 5.59127
Type of gen. func.: ogf

$$-x^2 (5 x^{16} + 2 x^{13} + 8 x^{11} + 2 x^9 + 3 x^8 + 8 x^7 + 2 x^6 + 3 x^5 + x^4 + 3 x^3 + 5 x^2 + 2 x + 1) / ((x - 1) (x^2 + x + 1) (x^6 + x^3 + 1) (x + 1) (x^2 - x + 1) (x^6 - x^3 + 1))$$

Sequence: A021804
Score: 10.3055
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (6 x - 1) (4 x - 1) (7 x - 1)}$$

Sequence: A021804
Score: 3.87322
Type of gen. func.: ogf

$$(55079576199527 f(x) + 1616612014080)$$

$$(168 f(x) x^4 - 262 f(x) x^3 + 111 f(x) x^2 - 18 f(x) x + f(x) - 1)$$

Sequence: A021804
Score: 9.58191
Type of gen. func.: lgdogf

$$-\frac{6\,(112\,x^3-131\,x^2+37\,x-3)}{(x-1)\,(6\,x-1)\,(4\,x-1)\,(7\,x-1)}$$

Sequence: A021807
Score: 10.5260
Type of gen. func.: lgdogf

$$-\frac{9\,x^8+12\,x^7+7\,x^6-9\,x^4-4\,x^3+11\,x^2+8\,x+2}{(x-1)\,(x+1)\,(3\,x^3+3\,x^2+2\,x+1)\,(x^4+1)}$$

Sequence: A021807
Score: 9.92773
Type of gen. func.: ogf

$$-\frac{x^2\,(3\,x^3+3\,x^2+2\,x+1)}{(x-1)\,(x+1)\,(x^4+1)}$$

Sequence: A021812
Score: 11.8757
Type of gen. func.: ogf

$$-\frac{x^2\,(5\,x^3+2\,x^2+x+1)}{(x^2+1)\,(x-1)}$$

Sequence: A021812
Score: 15.3430
Type of gen. func.: lgdogf

$$-\frac{7\,x^4-8\,x^3+15\,x^2+2\,x+2}{(x-1)\,(x^2+1)\,(5\,x^3+2\,x^2+x+1)}$$

Sequence: A021814

Score: 3.79877
Type of gen. func.: ogf

$$(1198022287 f(x) + 30633984)$$

$$(192 f(x) x^4 - 296 f(x) x^3 + 122 f(x) x^2 - 19 f(x) x + f(x) - 1)$$

Sequence: A021814
Score: 8.81808
Type of gen. func.: lgdogf

$$-\frac{768 x^3 - 888 x^2 + 244 x - 19}{(x - 1) (6 x - 1) (4 x - 1) (8 x - 1)}$$

Sequence: A021814
Score: 9.49693
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (6 x - 1) (4 x - 1) (8 x - 1)}$$

Sequence: A021817
Score: 12.9792
Type of gen. func.: ogf

$$-\frac{x^2 (3 x^2 + 2 x + 1)}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A021817
Score: 14.1444
Type of gen. func.: lgdogf

$$-\frac{9 x^6 + 8 x^5 + 5 x^4 + 6 x + 2}{(x - 1) (3 x^2 + 2 x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A021817

Score: 7.87036
Type of gen. func.: ogf

$$-(8995 f(x) + 20266) (f(x) x^5 + 3 x^4 + 2 x^3 + x^2 - f(x))$$

Sequence: A021818
Score: 11.5193
Type of gen. func.: ogf

$$-\frac{x^2 (5 x^4 + 8 x^3 + 2 x^2 + 2 x + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A021818
Score: 8.01096
Type of gen. func.: lgdogf

$$-\frac{2 (5 x^9 + 12 x^8 + 4 x^7 + 5 x^6 + 3 x^5 + 10 x^3 + 12 x^2 + 2 x + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (5 x^4 + 8 x^3 + 2 x^2 + 2 x + 1)}$$

Sequence: A021820
Score: 5.02507
Type of gen. func.: ogf

$$- x^2 (5 x^{17} + 2 x^{16} + x^{15} + 3 x^{14} + 4 x^{13} + 8 x^{12} + 7 x^{11} + 6 x^9 + 9 x^8 + x^7 + 9 x^5 + 4 x^4 + 5 x^3 + 2 x^2 + 2 x + 1) / ((x - 1) (x + 1) (x^2 + 1) (x^4 + 1) (x^8 + 1))$$

Sequence: A021823
Score: 18.7167
Type of gen. func.: ogf

$$-\frac{x^2}{(x - 1) (x^2 - x + 1)}$$

Sequence: A021823
Score: 23.2027
Type of gen. func.: ogf_with_Euler_transform]

$$x^5 - x^2 - x + 2$$

Sequence: A021823
Score: 30.1746
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 4 x + 2}{(x - 1) (x^2 - x + 1)}$$

Sequence: A021823
Score: 6.97623
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A021823
Score: 9.47389
Type of gen. func.: ogf

$$f(x) x^3 - 2 f(x) x^2 + 2 f(x) x + x^2 - f(x)$$

Sequence: A021824
Score: 3.93583
Type of gen. func.: ogf

$$(5641888747 f(x) + 127775232)$$

$$(216 f(x) x^4 - 330 f(x) x^3 + 133 f(x) x^2 - 20 f(x) x + f(x) - 1)$$

Sequence: A021824
Score: 8.90803
Type of gen. func.: lgdogf

$$-\frac{2\,(432\,x^3-495\,x^2+133\,x-10)}{(x-1)\,(6\,x-1)\,(4\,x-1)\,(9\,x-1)}$$

Sequence: A021824
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(x-1)\,(6\,x-1)\,(4\,x-1)\,(9\,x-1)}$$

Sequence: A021826
Score: 11.1596
Type of gen. func.: ogf

$$-\frac{x^2\,(5\,x^3-x^2+x+1)}{(x-1)\,(x^4+1)}$$

Sequence: A021826
Score: 12.5728
Type of gen. func.: lgdogf

$$-\frac{2\,(5\,x^7-4\,x^6+3\,x^5+x^4-7\,x^3+8\,x^2-x+1)}{(x-1)\,(5\,x^3-x^2+x+1)\,(x^4+1)}$$

Sequence: A021829
Score: 3.82725
Type of gen. func.: ogf

$$(710909314753\,f(x)+14446728000)$$

$$(240\,f(x)\,x^4-364\,f(x)\,x^3+144\,f(x)\,x^2-21\,f(x)\,x+f(x)-1)$$

Sequence: A021829
Score: 9.05649
Type of gen. func.: lgdogf

$$-\frac{3\,(320\,x^3 - 364\,x^2 + 96\,x - 7)}{(x - 1)\,(6\,x - 1)\,(4\,x - 1)\,(10\,x - 1)}$$

Sequence: A021829
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(x - 1)\,(6\,x - 1)\,(4\,x - 1)\,(10\,x - 1)}$$

Sequence: A021834
Score: 3.33648
Type of gen. func.: ogf

$$(1228873823472835\,f(x) + 22644454542336)$$

$$(264\,f(x)\,x^4 - 398\,f(x)\,x^3 + 155\,f(x)\,x^2 - 22\,f(x)\,x + f(x) - 1)$$

Sequence: A021834
Score: 8.12806
Type of gen. func.: lgdogf

$$-\frac{2\,(528\,x^3 - 597\,x^2 + 155\,x - 11)}{(x - 1)\,(6\,x - 1)\,(4\,x - 1)\,(11\,x - 1)}$$

Sequence: A021834
Score: 9.05616
Type of gen. func.: ogf

$$\frac{1}{(x - 1)\,(6\,x - 1)\,(4\,x - 1)\,(11\,x - 1)}$$

Sequence: A021836
Score: 7.71474
Type of gen. func.: ogf

2   7   6   5   4   3   2

$$-\frac{x\;(5\,x+2\,x-9\,x+9\,x+2\,x-2\,x+x+1)}{(x^{2}-x+1)\,(x-1)\,(x+1)}$$

Sequence: A021840
Score: 7.95940
Type of gen. func.: ogf

$$-\frac{x^{2}\,(5\,x^{9}+2\,x^{8}-5\,x^{6}+6\,x^{5}-5\,x^{4}-3\,x^{3}+8\,x^{2}+1)}{(x-1)\,(x+1)\,(x^{2}-x+1)\,(x^{6}-x^{3}+1)}$$

Sequence: A021841
Score: 6.20684
Type of gen. func.: ogf

$$-x^{2}\,(7\,x^{12}+2\,x^{11}+2\,x^{10}+3\,x^{8}+x^{7}+3\,x^{6}+4\,x^{5}+7\,x^{4}+4\,x^{3}+9\,x^{2}+x+1)\;/\;((x-1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{2}+x+1)\,(x^{8}-x^{7}+x^{5}-x^{4}+x^{3}-x+1))$$

Sequence: A021844
Score: 3.86924
Type of gen. func.: ogf

$$(1158141\,f(x)+19520)$$

$$(288\,f(x)\,x^{4}-432\,f(x)\,x^{3}+166\,f(x)\,x^{2}-23\,f(x)\,x+f(x)-1)$$

Sequence: A021844
Score: 8.04991
Type of gen. func.: lgdogf

$$-\frac{1152\,x^{3}-1296\,x^{2}+332\,x-23}{(x-1)\,(6\,x-1)\,(12\,x-1)\,(4\,x-1)}$$

Sequence: A021844
Score: 9.25852
Type of gen. func.: ogf

$$\frac{1}{(x-1)(6x-1)(12x-1)(4x-1)}$$

Sequence: A021854
Score: 3.70765
Type of gen. func.: ogf

$$(614045954357 f(x) + 13381587968)$$

$$(224 f(x) x^4 - 340 f(x) x^3 + 135 f(x) x^2 - 20 f(x) x + f(x) - 1)$$

Sequence: A021854
Score: 8.48463
Type of gen. func.: lgdogf

$$-\frac{2(448x^3 - 510x^2 + 135x - 10)}{(x-1)(8x-1)(7x-1)(4x-1)}$$

Sequence: A021854
Score: 9.60016
Type of gen. func.: ogf

$$\frac{1}{(x-1)(8x-1)(7x-1)(4x-1)}$$

Sequence: A021862
Score: 13.7157
Type of gen. func.: lgdogf

$$-\frac{10x^5 - 5x^4 + 4x^3 - 8x^2 + 10x + 1}{(x-1)(x+1)(x^2 - x + 1)(5x^2 + 1)}$$

Sequence: A021862
Score: 13.7854

Type of gen. func.: ogf

$$-\frac{x^2\,(5\,x^2+1)}{(x^2-x+1)\,(x-1)\,(x+1)}$$

Sequence: A021862
Score: 7.12633
Type of gen. func.: ogf

$$-(285\,f(x)+22)\,(f(x)\,x^4-f(x)\,x^3+5\,x^4+f(x)\,x+x^2-f(x))$$

Sequence: A021863
Score: 6.76991
Type of gen. func.: ogf

$$-x^2\,(x^{11}+5\,x^{10}-2\,x^9+2\,x^8-x^7+3\,x^5-3\,x^4-2\,x^3+5\,x^2+1)\;/\;((x-1)\,(x+1)\,(x^{12}-x^{11}+x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1))$$

Sequence: A021864
Score: 3.55738
Type of gen. func.: ogf

$$(112933011954940507\,f(x)+2179431544114944)\,(252\,f(x)\,x^4-379\,f(x)\,x^3+147\,f(x)\,x^2-21\,f(x)\,x+f(x)-1)$$

Sequence: A021864
Score: 9.20999
Type of gen. func.: lgdogf

$$-\frac{3\,(336\,x^3-379\,x^2+98\,x-7)}{(x-1)\,(4\,x-1)\,(9\,x-1)\,(7\,x-1)}$$

Sequence: A021864
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (4 x - 1) (9 x - 1) (7 x - 1)}$$

Sequence: A021868
Score: 10.2868
Type of gen. func.: lgdogf

$$\frac{10 x^7 - 3 x^6 - 20 x^4 + 14 x^3 + 21 x^2 + 10 x + 1}{(x - 1) (x^2 + x + 1) (5 x^5 - 3 x^4 - 6 x^3 - 5 x^2 - x - 1)}$$

Sequence: A021868
Score: 9.53062
Type of gen. func.: ogf

$$\frac{x^2 (5 x^5 - 3 x^4 - 6 x^3 - 5 x^2 - x - 1)}{(x - 1) (x^2 + x + 1)}$$

Sequence: A021874
Score: 3.74967
Type of gen. func.: ogf

$$(55208464383853 f(x) + 955888864000)$$

$$(280 f(x) x^4 - 418 f(x) x^3 + 159 f(x) x^2 - 22 f(x) x + f(x) - 1)$$

Sequence: A021874
Score: 8.76435
Type of gen. func.: lgdogf

$$- \frac{2 (560 x^3 - 627 x^2 + 159 x - 11)}{(x - 1) (4 x - 1) (7 x - 1) (10 x - 1)}$$

Sequence: A021874
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (4 x - 1) (7 x - 1) (10 x - 1)}$$

Sequence: A021879
Score: 11.0395
Type of gen. func.: lgdogf

$$- \frac{5 x^6 + 6 x^5 - 21 x^4 + 30 x^3 - 9 x^2 + 6 x + 1}{(x - 1) (x + 1) (x^2 - x + 1) (6 x^4 - x^3 + 3 x^2 + 1)}$$

Sequence: A021879
Score: 11.8757
Type of gen. func.: ogf

$$- \frac{x^2 (6 x^4 - x^3 + 3 x^2 + 1)}{(x^2 - x + 1) (x - 1) (x + 1)}$$

Sequence: A021880
Score: 10.0582
Type of gen. func.: lgdogf

$$- \frac{5 x^8 - 6 x^7 + 12 x^6 - 6 x^5 - 10 x^4 + 22 x^3 - 12 x^2 + 6 x + 1}{(x - 1) (5 x^4 - 3 x^3 + 3 x^2 + 1) (x^4 + 1)}$$

Sequence: A021880
Score: 11.8757
Type of gen. func.: ogf

$$- \frac{x^2 (5 x^4 - 3 x^3 + 3 x^2 + 1)}{(x - 1) (x^4 + 1)}$$

Sequence: A021884
Score: 3.28725
Type of gen. func.: ogf

$$(449898432252424801 f(x) + 7062720658174720)$$

$$(308 f(x) x^4 - 457 f(x) x^3 + 171 f(x) x^2 - 23 f(x) x + f(x) - 1)$$

Sequence: A021884
Score: 9.15734
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (7 x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A021892
Score: 14.0681
Type of gen. func.: ogf

$$- \frac{x^2 (5 x^3 + 2 x^2 + x + 1)}{(x - 1) (x^2 + x + 1)}$$

Sequence: A021892
Score: 14.8400
Type of gen. func.: lgdogf

$$- \frac{2 x^4 + 2 x^3 + 18 x^2 + 4 x + 1}{(x - 1) (x^2 + x + 1) (5 x^3 + 2 x^2 + x + 1)}$$

Sequence: A021894
Score: 3.57062
Type of gen. func.: ogf

$$(3129615961597 f(x) + 44934149736)$$

$$(336 f(x) x^4 - 496 f(x) x^3 + 183 f(x) x^2 - 24 f(x) x + f(x) - 1)$$

Sequence: A021894
Score: 8.49963
Type of gen. func.: lgdogf

$$-\frac{6\,(224\,x^{3}-248\,x^{2}+61\,x-4)}{(x-1)\,(7\,x-1)\,(12\,x-1)\,(4\,x-1)}$$

Sequence: A021894
Score: 9.30912
Type of gen. func.: ogf

$$\frac{1}{(x-1)\,(7\,x-1)\,(12\,x-1)\,(4\,x-1)}$$

Sequence: A021900
Score: 8.91994
Type of gen. func.: ogf

$$-\frac{x^{2}\,(5\,x^{8}-3\,x^{7}-x^{6}+7\,x^{5}-6\,x^{4}+6\,x^{3}+1)}{(x^{2}-x+1)\,(x-1)\,(x+1)}$$

Sequence: A021902
Score: 5.61303
Type of gen. func.: ogf

$$-x^{2}\,(5\,x^{15}+2\,x^{13}+2\,x^{12}-x^{11}-5\,x^{10}+2\,x^{9}-3\,x^{8}+2\,x^{7}-3\,x^{6}+3\,x^{5}$$
$$+2\,x^{4}+2\,x^{3}+1)\;\Big/\;((x-1)\,(x^{16}+1))$$

Sequence: A021904
Score: 3.74967
Type of gen. func.: ogf

$$(17194606386551\,f(x)+288957404160)$$

$$(288\,f(x)\,x^{4}-428\,f(x)\,x^{3}+161\,f(x)\,x^{2}-22\,f(x)\,x+f(x)-1)$$

Sequence: A021904
Score: 8.76435
Type of gen. func.: lgdogf

$$-\frac{2\,(576\,x^3 - 642\,x^2 + 161\,x - 11)}{(x - 1)\,(4\,x - 1)\,(9\,x - 1)\,(8\,x - 1)}$$

Sequence: A021904
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(x - 1)\,(4\,x - 1)\,(9\,x - 1)\,(8\,x - 1)}$$

Sequence: A021906
Score: 8.35477
Type of gen. func.: ogf

$$-\frac{x^2\,(5\,x^8 + 4\,x^7 + 7\,x^6 + 4\,x^5 + 6\,x^4 + 8\,x^3 + x + 1)}{(x - 1)\,(x + 1)\,(x^4 + x^3 + x^2 + x + 1)\,(x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A021913
Score: 16.9235
Type of gen. func.: ogf

$$-\frac{x^2}{(x^2 + 1)\,(x - 1)}$$

Sequence: A021913
Score: 23.8734
Type of gen. func.: ogf_with_Euler_transform]

$$[x^3 - x + 1]$$

Sequence: A021913
Score: 31.2151
Type of gen. func.: lgdogf

$$- \frac{3 x^2 - 2 x + 1}{(x - 1) (x^2 + 1)}$$

Sequence: A021913
Score: 6.30785
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A021913
Score: 6.73653
Type of gen. func.: ogf

$$(f(x) - 1) (f(x) x^3 - f(x) x^2 + f(x) x + x^2 - f(x))$$

Sequence: A021914
Score: 3.85383
Type of gen. func.: ogf

$$(277389998039 f(x) + 4181888000)$$

$$(320 f(x) x^4 - 472 f(x) x^3 + 174 f(x) x^2 - 23 f(x) x + f(x) - 1)$$

Sequence: A021914
Score: 8.62523
Type of gen. func.: lgdogf

$$- \frac{1280 x^3 - 1416 x^2 + 348 x - 23}{(x - 1) (4 x - 1) (8 x - 1) (10 x - 1)}$$

Sequence: A021914
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (4 x - 1) (8 x - 1) (10 x - 1)}$$

Sequence: A021924
Score: 3.50323
Type of gen. func.: ogf

$$(22833070333279 f(x) + 312082828288)$$

$$(352 f(x) x^4 - 516 f(x) x^3 + 187 f(x) x^2 - 24 f(x) x + f(x) - 1)$$

Sequence: A021924
Score: 8.31385
Type of gen. func.: lgdogf

$$- \frac{2 (704 x^3 - 774 x^2 + 187 x - 12)}{(x - 1) (4 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A021924
Score: 9.25852
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (4 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A021928
Score: 11.5193
Type of gen. func.: ogf

$$- \frac{x^2 (5 x^5 + 2 x^4 + 2 x^3 + 8 x^2 + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A021928
Score: 7.87164
Type of gen. func.: lgdogf

9 8 7 6 4 3 2

$$- \frac{x (5 x + 4 x + 6 x + 32 x + 6 x + 25 x + 8 x + 6 x + 16)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (5 x^5 + 2 x^4 + 2 x^3 + 8 x^2 + 1)}$$

Sequence: A021929
Score: 15.6609
Type of gen. func.: ogf

$$- \frac{x^2 (8 x^2 + 1)}{(x - 1) (x^2 + x + 1)}$$

Sequence: A021929
Score: 21.0521
Type of gen. func.: lgdogf

$$- \frac{x (8 x^3 + 3 x + 16)}{(x - 1) (x^2 + x + 1) (8 x^2 + 1)}$$

Sequence: A021929
Score: 7.30843
Type of gen. func.: ogf

$\{a(n + 5) - a(n + 2), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 0, a(4) = 8\}$

Sequence: A021929
Score: 9.13554
Type of gen. func.: ogf

$$-(2049 f(x) + 128) (f(x) x^3 + 8 x^4 + x^2 - f(x))$$

Sequence: A021934
Score: 6.12683
Type of gen. func.: ogf

$$- x^2 (3 x^{13} + 4 x^{12} + 2 x^{10} + 7 x^9 + x^8 + 8 x^7 + 8 x^6 + 6 x^5 + 2 x^4 + 5 x^3$$

2 / 4 3 2 2

$$+ 7 x + 1) \Big/ ((x - 1) (x + x + x + x + 1) (x + x + 1) (x^{8} - x^{7} + x^{5} - x^{4} + x^{3} - x + 1))$$

Sequence: A021939
Score: 5.61625
Type of gen. func.: ogf

$$- x^{2} (4 x^{14} + 5 x^{13} + 7 x^{12} + 7 x^{11} + 5 x^{10} + 6 x^{9} + x^{8} + 7 x^{7} + 8 x^{6} + x^{5} + 5 x^{4} + 9 x^{3} + 6 x^{2} + 1) \Big/ ((x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1) (x^{8} + 1))$$

Sequence: A021940
Score: 7.71474
Type of gen. func.: ogf

$$- \frac{x^{2} (5 x^{5} + 2 x^{4} + x^{3} + 7 x^{2} - x + 1)}{(x - 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A021940
Score: 9.63020
Type of gen. func.: lgdogf

$$- \frac{x (7 x^{7} - 8 x^{6} + 33 x^{5} - 34 x^{4} + 35 x^{3} + 12)}{(x - 1) (x^{2} + x + 1) (x^{2} - x + 1) (5 x^{5} + 2 x^{4} + x^{3} + 7 x^{2} - x + 1)}$$

Sequence: A021944
Score: 3.79815
Type of gen. func.: ogf

$$(304959407 f(x) + 3811968)$$

$$(384 f(x) x^{4} - 560 f(x) x^{3} + 200 f(x) x^{2} - 25 f(x) x + f(x) - 1)$$

Sequence: A021944

Score: 8.27115
Type of gen. func.: lgdogf

$$-\frac{1536 x^3 - 1680 x^2 + 400 x - 25}{(x - 1) (8 x - 1) (12 x - 1) (4 x - 1)}$$

Sequence: A021944
Score: 9.35971
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (8 x - 1) (12 x - 1) (4 x - 1)}$$

Sequence: A021949
Score: 10.5260
Type of gen. func.: lgdogf

$$-\frac{2 x (2 x^6 + 8 x^5 - 8 x^4 + 8 x^3 - 5 x^2 + 2 x + 5)}{(x - 1) (x^2 + x + 1) (x^2 - x + 1) (2 x^3 + 6 x^2 - x + 1)}$$

Sequence: A021949
Score: 8.25145
Type of gen. func.: ogf

$$-\frac{x^2 (2 x^3 + 6 x^2 - x + 1)}{(x - 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A021952
Score: 6.71033
Type of gen. func.: ogf

$$- x^2 ($$

$$5 x^{12} + 7 x^{11} + 6 x^{10} + 2 x^8 + 3 x^7 + 2 x^6 + 5 x^5 + 8 x^4 + 4 x^3 + 5 x^2 + 1)$$

$$/ ((x - 1)$$

$$(x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1))$$

Sequence: A021954
Score: 3.34834
Type of gen. func.: ogf

$$(10203294402400187 f(x) + 136181888928000)$$

$$(360 f(x) x^{4} - 526 f(x) x^{3} + 189 f(x) x^{2} - 24 f(x) x + f(x) - 1)$$

Sequence: A021954
Score: 8.84757
Type of gen. func.: lgdogf

$$- \frac{6 (5 x - 1) (48 x^{2} - 43 x + 4)}{(x - 1) (4 x - 1) (9 x - 1) (10 x - 1)}$$

Sequence: A021954
Score: 9.20793
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (4 x - 1) (9 x - 1) (10 x - 1)}$$

Sequence: A021958
Score: 6.89268
Type of gen. func.: ogf

$$- \frac{x^{2} (5 x^{11} + 3 x^{10} + 9 x^{9} + 2 x^{8} + 8 x^{6} + x^{5} + 2 x^{4} + 8 x^{3} + 4 x^{2} + 1)}{(x - 1) (x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A021960
Score: 10.7639
Type of gen. func.: ogf

$$- \frac{x^{2} (5 x^{6} + 2 x^{5} + 6 x^{3} + 4 x^{2} + 1)}{}$$

$$(x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)$$

Sequence: A021960
Score: 7.60705
Type of gen. func.: lgdogf

$$- \frac{x (5 x^{11} + 4 x^{10} + 24 x^8 + 20 x^7 + 7 x^5 + 30 x^4 + 10 x^3 + 18 x + 8)}{(x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (5 x^6 + 2 x^5 + 6 x^3 + 4 x^2 + 1)}$$

Sequence: A021964
Score: 3.34174
Type of gen. func.: ogf

$$(100784818156910495 f(x) + 1219477247923968)$$

$$(396 f(x) x^4 - 575 f(x) x^3 + 203 f(x) x^2 - 25 f(x) x + f(x) - 1)$$

Sequence: A021964
Score: 8.22545
Type of gen. func.: lgdogf

$$- \frac{1584 x^3 - 1725 x^2 + 406 x - 25}{(x - 1) (9 x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A021964
Score: 9.30912
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (9 x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A021966
Score: 10.2868
Type of gen. func.: lgdogf

$$- \frac{x (x + 2) (10 x^5 - 13 x^4 + 14 x^3 - 11 x^2 + 6 x + 3)}{}$$

$$(x - 1) (x^2 + x + 1) (x^2 - x + 1) (5 x^3 + 4 x^2 - x + 1)$$

Sequence: A021966
Score: 8.25145
Type of gen. func.: ogf

$$- \frac{x^2 (5 x^3 + 4 x^2 - x + 1)}{(x - 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A021972
Score: 5.86809
Type of gen. func.: ogf

$$- x^2 \left(5 x^{12} + 2 x^{11} + x^{10} - 4 x^9 - 3 x^8 + x^7 + 2 x^6 + 5 x^5 - 3 x^4 + 3 x^2 - x + 1) \middle/ ((x - 1) (x + 1) (x^{10} - x^9 + x^8 - x^7 + x^6 - x^5 + x^4 - x^3 + x^2 - x + 1) \right)$$

Sequence: A021974
Score: 3.76413
Type of gen. func.: ogf

$$(1232961251 f(x) + 13642992)$$

$$(432 f(x) x^4 - 624 f(x) x^3 + 217 f(x) x^2 - 26 f(x) x + f(x) - 1)$$

Sequence: A021974
Score: 8.31684
Type of gen. func.: lgdogf

$$- \frac{2 (864 x^3 - 936 x^2 + 217 x - 13)}{(x - 1) (9 x - 1) (12 x - 1) (4 x - 1)}$$

Sequence: A021974
Score: 9.41030
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (9 x - 1) (12 x - 1) (4 x - 1)}$$

Sequence: A021979
Score: 12.1871
Type of gen. func.: ogf

$$- \frac{x^{2} (4 x^{2} - 2 x + 1)}{(x - 1) (x^{2} - x + 1)}$$

Sequence: A021979
Score: 18.1048
Type of gen. func.: lgdogf

$$- \frac{x (4 x^{3} - 4 x^{2} - x + 4)}{(x - 1) (x^{2} - x + 1) (4 x^{2} - 2 x + 1)}$$

Sequence: A021979
Score: 5.96388
Type of gen. func.: ogf

$\{a(n + 5) - 2 a(n + 4) + 2 a(n + 3) - a(n + 2), a(0) = 0, a(1) = 0, a(2) = 1,$

$a(3) = 0, a(4) = 2\}$

Sequence: A021979
Score: 7.31223
Type of gen. func.: ogf

$$-f(x) (f(x) x^{3} + 4 x^{4} - 2 f(x) x^{2} - 2 x^{3} + 2 f(x) x + x^{2} - f(x))$$

Sequence: A021984
Score: 3.40354
Type of gen. func.: ogf

$$(40647467402737793 f(x) + 441142764128000)$$

$$(440 f(x) x^4 - 634 f(x) x^3 + 219 f(x) x^2 - 26 f(x) x + f(x) - 1)$$

Sequence: A021984
Score: 8.01267
Type of gen. func.: lgdogf

$$-\frac{2 (880 x^3 - 951 x^2 + 219 x - 13)}{(x - 1) (10 x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A021984
Score: 9.35971
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (10 x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A021988
Score: 11.2675
Type of gen. func.: ogf

$$-\frac{x^2 (5 x^5 + 2 x^4 + 6 x^3 + x^2 + 1)}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A021988
Score: 9.73375
Type of gen. func.: lgdogf

$$-\frac{x (2 x^7 + 12 x^6 + 3 x^5 + 30 x^3 + 8 x^2 + 18 x + 2)}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (5 x^5 + 2 x^4 + 6 x^3 + x^2 + 1)}$$

Sequence: A021992
Score: 6.92858
Type of gen. func.: ogf

$$-\frac{x^{2}\,(5\,x^{9}-3\,x^{8}+2\,x^{7}+x^{6}+3\,x^{5}-x^{4}+x^{3}+x^{2}-x+1)}{(x-1)\,(x+1)\,(x^{2}-x+1)\,(x^{6}-x^{3}+1)}$$

Sequence: A021994
Score: 3.66765
Type of gen. func.: ogf

$$(2262037952833\,f(x)+22449744000)$$

$$(480\,f(x)\,x^{4}-688\,f(x)\,x^{3}+234\,f(x)\,x^{2}-27\,f(x)\,x+f(x)-1)$$

Sequence: A021994
Score: 9.56209
Type of gen. func.: ogf

$$\frac{1}{(x-1)\,(12\,x-1)\,(10\,x-1)\,(4\,x-1)}$$

Sequence: A022000
Score: 3.24735
Type of gen. func.: ogf

$$(8727995628778\,f(x)+78519649725)$$

$$(528\,f(x)\,x^{4}-752\,f(x)\,x^{3}+251\,f(x)\,x^{2}-28\,f(x)\,x+f(x)-1)$$

Sequence: A022000
Score: 7.23473
Type of gen. func.: lgdogf

$$-\frac{2\,(1056\,x^{3}-1128\,x^{2}+251\,x-14)}{(x-1)\,(12\,x-1)\,(4\,x-1)\,(11\,x-1)}$$

Sequence: A022000
Score: 8.46630
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (12 x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A022003
Score: 21.3911
Type of gen. func.: ogf

$$- \frac{x^2}{(x - 1) (x^2 + x + 1)}$$

Sequence: A022003
Score: 36.4101
Type of gen. func.: ogf_with_Euler_transform]

$$[x^2]$$

Sequence: A022003
Score: 41.1472
Type of gen. func.: lgdogf

$$- \frac{3 x^2}{(x - 1) (x^2 + x + 1)}$$

Sequence: A022003
Score: 8.38299
Type of gen. func.: ogf

$$\{a(n + 3) - a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A022003
Score: 9.84669
Type of gen. func.: ogf

$$-f(x) (f(x) x^3 + x^2 - f(x))$$

Sequence: A022015
Score: 4.09566
Type of gen. func.: ogf

$$-(22 f(x) - 7)$$

$$(3 f(x) x^4 + 2 f(x) x^3 + 3 f(x) x^2 + x^3 + 2 f(x) x + x^2 - f(x) + 2 x + 2)$$

Sequence: A022015
Score: 6.93745
Type of gen. func.: lgdogf

$$-\frac{3 x^6 + 6 x^5 + 17 x^4 + 28 x^3 + 19 x^2 + 14 x + 6}{(x + 1) (x^2 + 2) (3 x^4 + 2 x^3 + 3 x^2 + 2 x - 1)}$$

Sequence: A022015
Score: 7.55303
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 + 2)}{3 x^4 + 2 x^3 + 3 x^2 + 2 x - 1}$$

Sequence: A022018
Score: 12.0338
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^4 - 8 x^2 + x + 8)}{(x^2 - 2) (4 x^3 - x^2 - 8 x + 1)}$$

Sequence: A022018
Score: 12.3383
Type of gen. func.: ogf

```
                   2
                  x  - 2
          - -------------------
              3    2
```

$$4 x - x - 8 x + 1$$

Sequence: A022018
Score: 6.11551
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) - a(n + 1) + 4 a(n), a(0) = 2, a(1) = 16, a(2) = 129\}$$

Sequence: A022018
Score: 6.16916
Type of gen. func.: ogf

$$-(65 f(x) + 127) (4 f(x) x^3 - f(x) x^2 - 8 f(x) x + x^2 + f(x) - 2)$$

Sequence: A022019
Score: 4.20669
Type of gen. func.: ogf

$$\{a(n + 3) - 16 a(n + 2) - a(n + 1) + 8 a(n), a(0) = 2, a(1) = 32, a(2) = 513\}$$

Sequence: A022019
Score: 4.35693
Type of gen. func.: ogf

$$(257 f(x) + 511) (8 f(x) x^3 - f(x) x^2 - 16 f(x) x + x^2 + f(x) - 2)$$

Sequence: A022019
Score: 8.41338
Type of gen. func.: ogf

$$- \frac{x^2 - 2}{8 x^3 - x^2 - 16 x + 1}$$

Sequence: A022019
Score: 9.73236
Type of gen. func.: lgdogf

$$-\frac{2\,(4\,x^{4}-16\,x^{2}+x+16)}{(x^{2}-2)\,(8\,x^{3}-x^{2}-16\,x+1)}$$

Sequence: A022021
Score: 11.3338
Type of gen. func.: lgdogf

$$-\frac{12\,x^{4}-29\,x^{2}+2\,x+20}{(4\,x^{2}-5)\,(3\,x^{3}-x^{2}-4\,x+1)}$$

Sequence: A022021
Score: 13.5532
Type of gen. func.: ogf

$$-\frac{4\,x^{2}-5}{3\,x^{3}-x^{2}-4\,x+1}$$

Sequence: A022021
Score: 6.77659
Type of gen. func.: ogf

$\{-a(n+3)+4\,a(n+2)+a(n+1)-3\,a(n),\ a(0)=5,\ a(1)=20,\ a(2)=81\}$

Sequence: A022021
Score: 6.83655
Type of gen. func.: ogf

$$(2714\,f(x)-2531)\,(3\,f(x)\,x^{3}-f(x)\,x^{2}-4\,f(x)\,x+4\,x^{2}+f(x)-5)$$

Sequence: A022022
Score: 10.5413
Type of gen. func.: lgdogf

$$28\,x^{4}-69\,x^{2}+2\,x+45$$

$$- \frac{}{(4 x^2 - 5) (7 x^3 - x^2 - 9 x + 1)}$$

Sequence: A022022
Score: 13.3532
Type of gen. func.: ogf

$$- \frac{4 x^2 - 5}{7 x^3 - x^2 - 9 x + 1}$$

Sequence: A022022
Score: 6.61852
Type of gen. func.: ogf

$$\{-a(n + 3) + 9 a(n + 2) + a(n + 1) - 7 a(n), a(0) = 5, a(1) = 45, a(2) = 406\}$$

Sequence: A022022
Score: 6.61853
Type of gen. func.: ogf

$$(30089 f(x) - 13781) (7 f(x) x^3 - f(x) x^2 - 9 f(x) x + 4 x^2 + f(x) - 5)$$

Sequence: A022023
Score: 10.4557
Type of gen. func.: lgdogf

$$- \frac{20 x^4 - 47 x^2 + 2 x + 30}{(5 x^2 - 6) (4 x^3 - x^2 - 5 x + 1)}$$

Sequence: A022023
Score: 12.8170
Type of gen. func.: ogf

$$- \frac{5 x^2 - 6}{4 x^3 - x^2 - 5 x + 1}$$

Sequence: A022023
Score: 6.35277
Type of gen. func.: ogf

$$\{-a(n+3) + 5\,a(n+2) + a(n+1) - 4\,a(n),\ a(0) = 6,\ a(1) = 30,\ a(2) = 151\}$$

Sequence: A022023
Score: 6.46522
Type of gen. func.: ogf

$$(8087\,f(x) - 7603)\,(4\,f(x)\,x^3 - f(x)\,x^2 - 5\,f(x)\,x + 5\,x^2 + f(x) - 6)$$

Sequence: A022024
Score: 12.7577
Type of gen. func.: ogf

$$-\frac{5\,x^2 - 6}{9\,x^3 - x^2 - 11\,x + 1}$$

Sequence: A022024
Score: 6.37884
Type of gen. func.: ogf

$$(82931\,f(x) - 38491)\,(9\,f(x)\,x^3 - f(x)\,x^2 - 11\,f(x)\,x + 5\,x^2 + f(x) - 6)$$

Sequence: A022024
Score: 6.37884
Type of gen. func.: ogf

$$\{-a(n+3) + 11\,a(n+2) + a(n+1) - 9\,a(n),\ a(0) = 6,\ a(1) = 66,\ a(2) = 727\}$$

Sequence: A022024
Score: 8.42240
Type of gen. func.: lgdogf

$$-\frac{45 x^4 - 107 x^2 + 2 x + 66}{(9 x^3 - x^2 - 11 x + 1) (5 x^2 - 6)}$$

Sequence: A022025
Score: 11.4145
Type of gen. func.: ogf

$$-\frac{5 x^2 - 6}{14 x^3 - x^2 - 17 x + 1}$$

Sequence: A022025
Score: 5.65929
Type of gen. func.: ogf

{-a(n + 3) + 17 a(n + 2) + a(n + 1) - 14 a(n), a(0) = 6, a(1) = 102,

a(2) = 1735}

Sequence: A022025
Score: 5.70726
Type of gen. func.: ogf

$$(302279 f(x) - 93139) (14 f(x) x^3 - f(x) x^2 - 17 f(x) x + 5 x^2 + f(x) - 6)$$

Sequence: A022025
Score: 9.27557
Type of gen. func.: lgdogf

$$-\frac{70 x^4 - 167 x^2 + 2 x + 102}{(14 x^3 - x^2 - 17 x + 1) (5 x^2 - 6)}$$

Sequence: A022026
Score: 15.2226
Type of gen. func.: ogf

$$x - 2$$

$$- \frac{}{4 x^2 - 8 x + 1}$$

Sequence: A022026
Score: 16.4107
Type of gen. func.: revogf

$$- \frac{-1 - 4 x + ((3 x + 1) (1 + 4 x))^{1/2}}{1 + 4 x}$$

Sequence: A022026
Score: 18.6900
Type of gen. func.: lgdogf

$$- \frac{(2 x - 3) (2 x - 5)}{(x - 2) (4 x^2 - 8 x + 1)}$$

Sequence: A022026
Score: 7.78429
Type of gen. func.: ogf

$$(104 f(x) + 17) (4 f(x) x^2 - 8 f(x) x + f(x) + x - 2)$$

Sequence: A022026
Score: 8.25322
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 4 a(n), a(0) = 2, a(1) = 15\}$$

Sequence: A022027
Score: 13.1098
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^4 - 8 x^2 - x + 8)}{(x^2 - 2) (4 x^3 - 8 x + 1)}$$

Sequence: A022027
Score: 15.8337
Type of gen. func.: ogf

$$-\frac{x^2 - 2}{4 x^3 - 8 x + 1}$$

Sequence: A022027
Score: 7.99846
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 4 a(n), a(0) = 2, a(1) = 16, a(2) = 127\}$$

Sequence: A022027
Score: 8.34249
Type of gen. func.: ogf

$$(192 f(x) - 127) (4 f(x) x^3 - 8 f(x) x + x^2 + f(x) - 2)$$

Sequence: A022028
Score: 10.5975
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^4 - 16 x^2 - x + 16)}{(x^2 - 2) (8 x^3 - 16 x + 1)}$$

Sequence: A022028
Score: 14.2511
Type of gen. func.: ogf

$$-\frac{x^2 - 2}{8 x^3 - 16 x + 1}$$

Sequence: A022028
Score: 6.44440
Type of gen. func.: revogf

$$\frac{2}{3}\, 3^{1/2}\, 2^{1/2} \sin\left(\frac{1}{3} \arctan\left(\frac{3 x 3^{1/2}}{(2021 x^2 + 512 x + 32)^{1/2}}\right)\right)$$

Sequence: A022028
Score: 7.27096
Type of gen. func.: ogf

$$-(768 f(x) - 511) (8 f(x) x^3 - 16 f(x) x + x^2 + f(x) - 2)$$

Sequence: A022028
Score: 7.27096
Type of gen. func.: ogf

$$\{a(n + 3) - 16 a(n + 2) + 8 a(n), a(0) = 2, a(1) = 32, a(2) = 511\}$$

Sequence: A022029
Score: 7.37044
Type of gen. func.: ogf

$$-\frac{x^4 + x^2 - x - 4}{x^5 + x^3 - x^2 - 3 x + 1}$$

Sequence: A022030
Score: 12.5312
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 + 4}{x^4 - x^3 + 4 x - 1}$$

Sequence: A022030
Score: 6.7877
Type of gen. func.: ogf

$$-(5 f(x) + 12) (f(x) x^4 - f(x) x^3 + x^3 + 4 f(x) x - x^2 - f(x) + 4)$$

Sequence: A022030
Score: 8.92967
Type of gen. func.: lgdogf

$$-\frac{x^6 - 2 x^5 + x^4 + 8 x^3 - 5 x^2 - 2 x + 16}{(x^3 - x^2 + 4) (x^4 - x^3 + 4 x - 1)}$$

Sequence: A022031
Score: 7.14650
Type of gen. func.: ogf

$$-\frac{x^6 + x^5 + x^4 + x^3 - x - 4}{(x - 1) (x^6 + 2 x^5 + 3 x^4 + 4 x^3 + 4 x^2 + 3 x - 1)}$$

Sequence: A022032
Score: 7.34742
Type of gen. func.: ogf

$$-\frac{x^6 + x^5 + x^4 + x^3 - x - 5}{x^7 + x^6 + x^5 + x^4 - x^2 - 5 x + 1}$$

Sequence: A022033
Score: 10.4107
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (6 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A022033
Score: 3.78571
Type of gen. func.: ogf

$(31518234836078573 f(x) + 733178107872000)$

$$(210 f(x) x^4 - 317 f(x) x^3 + 125 f(x) x^2 - 19 f(x) x + f(x) - 1)$$

Sequence: A022033
Score: 9.84864
Type of gen. func.: lgdogf

$$-\frac{840 x^3 - 951 x^2 + 250 x - 19}{(x - 1) (6 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A022034
Score: 6.74039
Type of gen. func.: lgdogf

$$-\frac{x^8 + 2 x^6 - 2 x^5 - 14 x^4 - 6 x^3 - 12 x^2 + 10 x + 31}{(x^4 + x^2 - x - 6) (x^5 + x^3 - x^2 - 5 x + 1)}$$

Sequence: A022035
Score: 6.66417
Type of gen. func.: ogf

$$-\frac{x^6 + x^5 + x^4 + x^3 - x - 6}{x^7 + x^6 + x^5 + x^4 - x^2 - 6 x + 1}$$

Sequence: A022037
Score: 6.45215
Type of gen. func.: ogf

$$-\frac{x^6 + x^5 + x^4 + x^3 - x - 7}{x^7 + x^6 + x^5 + x^4 - x^2 - 7 x + 1}$$

Sequence: A022038
Score: 9.17310

Type of gen. func.: ogf

$$-\frac{x^4 + x^2 - x - 8}{x^5 + x^3 - x^2 - 7 x + 1}$$

Sequence: A022039
Score: 6.12888
Type of gen. func.: ogf

$$-\frac{x^6 + x^5 + x^4 + x^3 - x - 8}{x^7 + x^6 + x^5 + x^4 - x^2 - 8 x + 1}$$

Sequence: A022040
Score: 5.06240
Type of gen. func.: ogf

$\{a(n + 4) - 3 a(n + 3) + 2 a(n + 2) - a(n + 1) + a(n), a(0) = 16, a(1) = 36,$

$a(2) = 80, a(3) = 177\}$

Sequence: A022040
Score: 5.27782
Type of gen. func.: ogf

$(17 f(x) - 47)$

$(f(x) x^4 - f(x) x^3 + 2 f(x) x^2 + 7 x^3 - 3 f(x) x - 4 x^2 + f(x) + 12 x - 16)$

Sequence: A022040
Score: 7.66382
Type of gen. func.: lgdogf

$$-\frac{7 x^6 - 8 x^5 + 26 x^4 - 46 x^3 + 39 x^2 - 56 x + 36}{(x - 1) (x^3 + 2 x - 1) (7 x^3 - 4 x^2 + 12 x - 16)}$$

Sequence: A022040

Score: 9.41991
Type of gen. func.: ogf

$$-\frac{7x^3-4x^2+12x-16}{(x-1)(x^3+2x-1)}$$

Sequence: A022041
Score: 5.87147
Type of gen. func.: ogf

$$-\frac{x^{10}+x^6+x^2-2}{x^{11}-x^{10}+x^7-x^6+x^3-x^2-3x+1}$$

Sequence: A022086
Score: 13.7228
Type of gen. func.: ogf

$$f(x)\,x^2+f(x)\,x-f(x)+3x$$

Sequence: A022086
Score: 21.8824
Type of gen. func.: ogf

$$-\frac{3x}{x^2+x-1}$$

Sequence: A022086
Score: 24.9580
Type of gen. func.: revogf

$$\frac{-3-x+(5x^2+6x+9)^{1/2}}{2x}$$

Sequence: A022086
Score: 44.3698

Type of gen. func.: lgdogf

$$-\frac{1 + 2 x}{x^2 + x - 1}$$

Sequence: A022086
Score: 9.99564
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 0, a(1) = 3\}$$

Sequence: A022087
Score: 13.2556
Type of gen. func.: ogf

$$f(x) x^2 + f(x) x - f(x) + 4 x$$

Sequence: A022087
Score: 21.1374
Type of gen. func.: ogf

$$-\frac{4 x}{x^2 + x - 1}$$

Sequence: A022087
Score: 23.3688
Type of gen. func.: revogf

$$\frac{-4 - x + (5 x^2 + 8 x + 16)^{1/2}}{2 x}$$

Sequence: A022087
Score: 42.8427
Type of gen. func.: lgdogf

```
  1 + 2 x
- ----------
  2
```

$$x \ + x - 1$$

Sequence: A022087
Score: 9.65533
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 0, a(1) = 4\}$$

Sequence: A022088
Score: 13.5639
Type of gen. func.: ogf

$$f(x) x^2 + f(x) x - f(x) + 5 x$$

Sequence: A022088
Score: 20.7726
Type of gen. func.: revogf

$$\frac{-5 - x + (x^2 + 2 x + 5)^{1/2} 5^{1/2}}{2 x}$$

Sequence: A022088
Score: 21.6289
Type of gen. func.: ogf

$$- \frac{5 x}{x^2 + x - 1}$$

Sequence: A022088
Score: 43.8532
Type of gen. func.: lgdogf

$$- \frac{1 + 2 x}{x^2 + x - 1}$$

Sequence: A022088
Score: 9.87988
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 0, a(1) = 5\}$$

Sequence: A022089
Score: 13.6872
Type of gen. func.: ogf

$$f(x) x^2 + f(x) x - f(x) + 6 x$$

Sequence: A022089
Score: 21.8255
Type of gen. func.: ogf

$$- \frac{6 x}{x^2 + x - 1}$$

Sequence: A022089
Score: 23.4304
Type of gen. func.: revogf

$$\frac{-6 - x + (5 x^2 + 12 x + 36)^{1/2}}{2 x}$$

Sequence: A022089
Score: 44.2573
Type of gen. func.: lgdogf

$$- \frac{1 + 2 x}{x^2 + x - 1}$$

Sequence: A022089
Score: 9.96969
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 0, a(1) = 6\}$$

Sequence: A022090
Score: 13.1584
Type of gen. func.: ogf

$$f(x)\,x^2 + f(x)\,x - f(x) + 7\,x$$

Sequence: A022090
Score: 20.9824
Type of gen. func.: ogf

$$-\frac{7\,x}{x^2 + x - 1}$$

Sequence: A022090
Score: 22.5151
Type of gen. func.: revogf

$$\frac{-7 - x + (5\,x^2 + 14\,x + 49)^{1/2}}{2\,x}$$

Sequence: A022090
Score: 42.5286
Type of gen. func.: lgdogf

$$-\frac{1 + 2\,x}{x^2 + x - 1}$$

Sequence: A022090
Score: 9.58454
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n),\ a(0) = 0,\ a(1) = 7\}$$

Sequence: A022091

Score: 13.2808
Type of gen. func.: ogf

$$f(x) x^2 + f(x) x - f(x) + 8 x$$

Sequence: A022091
Score: 21.1776
Type of gen. func.: ogf

$$- \frac{8 x}{x^2 + x - 1}$$

Sequence: A022091
Score: 22.7276
Type of gen. func.: revogf

$$\frac{-8 - x + (5 x^2 + 16 x + 64)^{1/2}}{2 x}$$

Sequence: A022091
Score: 42.9298
Type of gen. func.: lgdogf

$$- \frac{1 + 2 x}{x^2 + x - 1}$$

Sequence: A022091
Score: 9.67370
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 0, a(1) = 8\}$$

Sequence: A022092
Score: 13.342
Type of gen. func.: ogf

$$f(x) x^2 + f(x) x - f(x) + 9 x$$

Sequence: A022092
Score: 21.2752
Type of gen. func.: ogf

$$-\frac{9 x}{x^2 + x - 1}$$

Sequence: A022092
Score: 22.8338
Type of gen. func.: revogf

$$\frac{-9 - x + (5 x^2 + 18 x + 81)^{1/2}}{2 x}$$

Sequence: A022092
Score: 43.1304
Type of gen. func.: lgdogf

$$-\frac{1 + 2 x}{x^2 + x - 1}$$

Sequence: A022092
Score: 9.71828
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 0, a(1) = 9\}$$

Sequence: A022093
Score: 10.2474
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 0, a(1) = 10\}$$

Sequence: A022093
Score: 13.9935

Type of gen. func.: revogf

$$\frac{-x - 10 + (x^2 + 4 x + 20)^{1/2} 5^{1/2}}{2 x}$$

Sequence: A022093
Score: 14.0047
Type of gen. func.: ogf

$$f(x) x^2 + f(x) x - f(x) + 10 x$$

Sequence: A022093
Score: 22.1127
Type of gen. func.: ogf

$$- \frac{10 x}{x^2 + x - 1}$$

Sequence: A022093
Score: 31.0967
Type of gen. func.: lgdogf

$$- \frac{1 + 2 x}{x^2 + x - 1}$$

Sequence: A022095
Score: 17.9454
Type of gen. func.: ogf

$$- \frac{1 + 4 x}{x^2 + x - 1}$$

Sequence: A022095
Score: 21.4323
Type of gen. func.: revogf

$$\frac{-x - 1 + (5 x^2 + 18 x + 1)^{1/2}}{2 (4 + x)}$$

Sequence: A022095
Score: 24.7811
Type of gen. func.: lgdogf

$$- \frac{4 x^2 + 2 x + 5}{(1 + 4 x) (x^2 + x - 1)}$$

Sequence: A022095
Score: 9.39005
Type of gen. func.: ogf

$$(7 f(x) + 18) (f(x) x^2 + f(x) x - f(x) + 4 x + 1)$$

Sequence: A022095
Score: 9.84811
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A022096
Score: 18.1071
Type of gen. func.: ogf

$$- \frac{5 x + 1}{x^2 + x - 1}$$

Sequence: A022096
Score: 21.6289
Type of gen. func.: revogf

$$\frac{-x - 1 + (5 x^2 + 22 x + 1)^{1/2}}{2 (5 + x)}$$

Sequence: A022096
Score: 25.0084
Type of gen. func.: lgdogf

$$-\frac{5 x^2 + 2 x + 6}{(5 x + 1) (x^2 + x - 1)}$$

Sequence: A022096
Score: 9.58611
Type of gen. func.: ogf

$$(2 f(x) + 7) (f(x) x^2 + f(x) x - f(x) + 5 x + 1)$$

Sequence: A022096
Score: 9.93683
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A022097
Score: 17.4127
Type of gen. func.: ogf

$$-\frac{6 x + 1}{x^2 + x - 1}$$

Sequence: A022097
Score: 20.7872
Type of gen. func.: revogf

$$\frac{-x - 1 + (5 x^2 + 26 x + 1)^{1/2}}{2 (6 + x)}$$

Sequence: A022097

Score: 24.0352
Type of gen. func.: lgdogf

$$-\frac{6 x^2 + 2 x + 7}{(6 x + 1) (x^2 + x - 1)}$$

Sequence: A022097
Score: 9.11127
Type of gen. func.: ogf

$$(9 f(x) + 40) (f(x) x^2 + f(x) x - f(x) + 6 x + 1)$$

Sequence: A022097
Score: 9.55573
Type of gen. func.: ogf

{a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 7}

Sequence: A022098
Score: 17.5731
Type of gen. func.: ogf

$$-\frac{7 x + 1}{x^2 + x - 1}$$

Sequence: A022098
Score: 20.9824
Type of gen. func.: revogf

$$\frac{-x - 1 + (5 x^2 + 30 x + 1)^{1/2}}{2 (7 + x)}$$

Sequence: A022098
Score: 24.2609
Type of gen. func.: lgdogf

2

$$-\frac{7 x + 2 x + 8}{(7 x + 1) (x^2 + x - 1)}$$

Sequence: A022098
Score: 9.19524
Type of gen. func.: ogf

$$(5 f(x) + 27) (f(x) x^2 + f(x) x - f(x) + 7 x + 1)$$

Sequence: A022098
Score: 9.64379
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A022099
Score: 10.2474
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A022099
Score: 18.6730
Type of gen. func.: ogf

$$-\frac{8 x + 1}{x^2 + x - 1}$$

Sequence: A022099
Score: 21.1776
Type of gen. func.: revogf

$$\frac{-x - 1 + (5 x^2 + 34 x + 1)^{1/2}}{2 (8 + x)}$$

Sequence: A022099
Score: 24.4866
Type of gen. func.: lgdogf

$$-\frac{8 x^2 + 2 x + 9}{(8 x + 1) (x^2 + x - 1)}$$

Sequence: A022099
Score: 9.65842
Type of gen. func.: ogf

$$(11 f(x) + 70) (f(x) x^2 + f(x) x - f(x) + 8 x + 1)$$

Sequence: A022100
Score: 17.8941
Type of gen. func.: ogf

$$-\frac{9 x + 1}{x^2 + x - 1}$$

Sequence: A022100
Score: 21.3727
Type of gen. func.: revogf

$$\frac{-x - 1 + (5 x^2 + 38 x + 1)^{1/2}}{2 (9 + x)}$$

Sequence: A022100
Score: 23.9634
Type of gen. func.: lgdogf

$$-\frac{9 x^2 + 2 x + 10}{(9 x + 1) (x^2 + x - 1)}$$

Sequence: A022100

```
Score: 9.36319
Type of gen. func.: ogf


                                    2
               (3 f(x) + 22) (f(x) x  + f(x) x - f(x) + 9 x + 1)



------------------------------------------------------------------------------

Sequence:  A022100
Score: 9.70163
Type of gen. func.: ogf

               {a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 10}



------------------------------------------------------------------------------

Sequence:  A022101
Score: 10.2992
Type of gen. func.: ogf

               {a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 11}



------------------------------------------------------------------------------

Sequence:  A022101
Score: 14.9107
Type of gen. func.: revogf

                                      2             1/2
                         -x - 1 + (5 x  + 42 x + 1)
                         -----------------------------
                                  2 (x + 10)



------------------------------------------------------------------------------

Sequence:  A022101
Score: 16.1888
Type of gen. func.: lgdogf

                                    2
                                10 x  + 2 x + 11
                           - -----------------------
                                          2
                             (10 x + 1) (x  + x - 1)



------------------------------------------------------------------------------

Sequence:  A022101
Score: 18.5833
Type of gen. func.: ogf

                                     10 x + 1
                                  - ----------
                                     2
                                    x  + x - 1
```

Sequence: A022101

Score: 9.60486

Type of gen. func.: ogf

$$(13 f(x) + 108) (f(x) x^2 + f(x) x - f(x) + 10 x + 1)$$

Sequence: A022102

Score: 12.7655

Type of gen. func.: ogf

$$-\frac{11 x + 1}{x^2 + x - 1}$$

Sequence: A022102

Score: 15.0915

Type of gen. func.: revogf

$$\frac{-x - 1 + (5 x^2 + 46 x + 1)^{1/2}}{2 (x + 11)}$$

Sequence: A022102

Score: 16.3850

Type of gen. func.: lgdogf

$$-\frac{11 x^2 + 2 x + 12}{(11 x + 1) (x^2 + x - 1)}$$

Sequence: A022102

Score: 6.74956

Type of gen. func.: ogf

$$(7 f(x) + 65) (f(x) x^2 + f(x) x - f(x) + 11 x + 1)$$

Sequence: A022102
Score: 7.07484
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 12\}$$

Sequence: A022103
Score: 10.4307
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 13\}$$

Sequence: A022103
Score: 18.8206
Type of gen. func.: ogf

$$-\frac{12 x + 1}{x^2 + x - 1}$$

Sequence: A022103
Score: 22.3999
Type of gen. func.: revogf

$$\frac{-x - 1 + (5 x^2 + 50 x + 1)^{1/2}}{2 (x + 12)}$$

Sequence: A022103
Score: 24.3199
Type of gen. func.: lgdogf

$$-\frac{12 x^2 + 2 x + 13}{(12 x + 1) (x^2 + x - 1)}$$

Sequence: A022103
Score: 9.72748
Type of gen. func.: ogf

$$(15 f(x) + 154) (f(x) x^2 + f(x) x - f(x) + 12 x + 1)$$

Sequence: A022104
Score: 12.8401
Type of gen. func.: ogf

$$-\frac{13 x + 1}{x^2 + x - 1}$$

Sequence: A022104
Score: 15.1819
Type of gen. func.: revogf

$$\frac{-x - 1 + (5 x^2 + 54 x + 1)^{1/2}}{2 (13 + x)}$$

Sequence: A022104
Score: 16.4832
Type of gen. func.: lgdogf

$$-\frac{13 x^2 + 2 x + 14}{(13 x + 1) (x^2 + x - 1)}$$

Sequence: A022104
Score: 6.78903
Type of gen. func.: ogf

$$(4 f(x) + 45) (f(x) x^2 + f(x) x - f(x) + 13 x + 1)$$

Sequence: A022104
Score: 7.11622
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 14\}$$

Sequence: A022105
Score: 12.9148
Type of gen. func.: ogf

$$-\frac{14 x + 1}{x^{2} + x - 1}$$

Sequence: A022105
Score: 15.2722
Type of gen. func.: revogf

$$\frac{-x - 1 + (5 x^{2} + 58 x + 1)^{1/2}}{2 (14 + x)}$$

Sequence: A022105
Score: 16.5813
Type of gen. func.: lgdogf

$$-\frac{14 x^{2} + 2 x + 15}{(14 x + 1) (x^{2} + x - 1)}$$

Sequence: A022105
Score: 6.67505
Type of gen. func.: ogf

$$(17 f(x) + 208) (f(x) x^{2} + f(x) x - f(x) + 14 x + 1)$$

Sequence: A022105
Score: 7.15759
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 15\}$$

Sequence: A022106
Score: 12.9894
Type of gen. func.: ogf

$$-\frac{15x+1}{x^2+x-1}$$

Sequence: A022106
Score: 15.3626
Type of gen. func.: revogf

$$\frac{-x-1+(5x^2+62x+1)^{1/2}}{2(15+x)}$$

Sequence: A022106
Score: 16.6794
Type of gen. func.: lgdogf

$$-\frac{15x^2+2x+16}{(15x+1)(x^2+x-1)}$$

Sequence: A022106
Score: 6.78993
Type of gen. func.: ogf

$$(9 f(x) + 119) (f(x) x^2 + f(x) x - f(x) + 15 x + 1)$$

Sequence: A022106
Score: 7.19896
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 16\}$$

Sequence: A022107
Score: 12.9894
Type of gen. func.: ogf

$$-\frac{16x+1}{{}^{2}}$$

$$x + x - 1$$

Sequence: A022107
Score: 15.3626
Type of gen. func.: revogf

$$\frac{-x - 1 + (5 x^2 + 66 x + 1)^{1/2}}{2 (16 + x)}$$

Sequence: A022107
Score: 16.6794
Type of gen. func.: lgdogf

$$- \frac{16 x^2 + 2 x + 17}{(16 x + 1) (x^2 + x - 1)}$$

Sequence: A022107
Score: 6.71364
Type of gen. func.: ogf

$$(19 f(x) + 270) (f(x) x^2 + f(x) x - f(x) + 16 x + 1)$$

Sequence: A022107
Score: 7.19896
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 17\}$$

Sequence: A022108
Score: 13.0641
Type of gen. func.: ogf

$$- \frac{17 x + 1}{x^2 + x - 1}$$

Sequence: A022108
Score: 15.4530
Type of gen. func.: revogf

$$\frac{-x - 1 + (5 x^2 + 70 x + 1)^{1/2}}{2 (17 + x)}$$

Sequence: A022108
Score: 16.7775
Type of gen. func.: lgdogf

$$-\frac{17 x^2 + 2 x + 18}{(17 x + 1) (x^2 + x - 1)}$$

Sequence: A022108
Score: 6.90745
Type of gen. func.: ogf

$$(5 f(x) + 76) (f(x) x^2 + f(x) x - f(x) + 17 x + 1)$$

Sequence: A022108
Score: 7.24034
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 18\}$$

Sequence: A022109
Score: 13.1387
Type of gen. func.: ogf

$$-\frac{18 x + 1}{x^2 + x - 1}$$

Sequence: A022109
Score: 15.5433
Type of gen. func.: revogf

$$\frac{-x - 1 + (5 x^2 + 74 x + 1)^{1/2}}{2 (18 + x)}$$

Sequence: A022109
Score: 16.8756
Type of gen. func.: lgdogf

$$-\frac{18 x^2 + 2 x + 19}{(18 x + 1) (x^2 + x - 1)}$$

Sequence: A022109
Score: 6.79081
Type of gen. func.: ogf

$$(21 f(x) + 340) (f(x) x^2 + f(x) x - f(x) + 18 x + 1)$$

Sequence: A022109
Score: 7.28171
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 19\}$$

Sequence: A022110
Score: 12.4218
Type of gen. func.: ogf

$$-\frac{19 x + 1}{x^2 + x - 1}$$

Sequence: A022110
Score: 14.6789
Type of gen. func.: revogf

$$\frac{-x - 1 + (5 x^2 + 78 x + 1)^{1/2}}{2 (19 + x)}$$

Sequence: A022110
Score: 15.9371
Type of gen. func.: lgdogf

$$- \frac{19 x^2 + 2 x + 20}{(19 x + 1) (x^2 + x - 1)}$$

Sequence: A022110
Score: 6.42024
Type of gen. func.: ogf

$$(11 f(x) + 189) (f(x) x^2 + f(x) x - f(x) + 19 x + 1)$$

Sequence: A022110
Score: 6.88436
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 20\}$$

Sequence: A022111
Score: 3.54118
Type of gen. func.: ogf

$$(614246217786179 f(x) + 12442529664000)$$

$$(240 f(x) x^4 - 358 f(x) x^3 + 137 f(x) x^2 - 20 f(x) x + f(x) - 1)$$

Sequence: A022111
Score: 8.71928
Type of gen. func.: lgdogf

$$- \frac{2 (480 x^3 - 537 x^2 + 137 x - 10)}{(x - 1) (6 x - 1) (8 x - 1) (5 x - 1)}$$

Sequence: A022111
Score: 9.54854
Type of gen. func.: ogf

$$\frac{1}{(x-1)(6x-1)(8x-1)(5x-1)}$$

Sequence: A022112
Score: 12.3803
Type of gen. func.: ogf

$$f(x)x^2 + f(x)x - f(x) + 4x + 2$$

Sequence: A022112
Score: 15.5490
Type of gen. func.: revogf

$$\frac{-x - 2 + (5x^2 + 20x + 4)^{1/2}}{2(4+x)}$$

Sequence: A022112
Score: 17.3324
Type of gen. func.: ogf

$$-\frac{2(2x+1)}{x^2 + x - 1}$$

Sequence: A022112
Score: 17.9785
Type of gen. func.: lgdogf

$$-\frac{2x^2 + 2x + 3}{(2x+1)(x^2 + x - 1)}$$

Sequence: A022112
Score: 9.51170
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 2, a(1) = 6\}$$

Sequence: A022113
Score: 17.4929
Type of gen. func.: ogf

$$-\frac{5 x + 2}{x^2 + x - 1}$$

Sequence: A022113
Score: 20.8848
Type of gen. func.: revogf

$$\frac{-x - 2 + (5 x^2 + 24 x + 4)^{1/2}}{2 (5 + x)}$$

Sequence: A022113
Score: 24.1480
Type of gen. func.: lgdogf

$$-\frac{5 x^2 + 4 x + 7}{(5 x + 2) (x^2 + x - 1)}$$

Sequence: A022113
Score: 9.04805
Type of gen. func.: ogf

$$(11 f(x) + 27) (f(x) x^2 + f(x) x - f(x) + 5 x + 2)$$

Sequence: A022113
Score: 9.59977
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 2, a(1) = 7\}$$

Sequence: A022114
Score: 17.8139
Type of gen. func.: ogf

$$-\frac{7x+2}{x^2+x-1}$$

Sequence: A022114
Score: 21.2752
Type of gen. func.: revogf

$$\frac{-x-2+(5x^2+32x+4)^{1/2}}{2(7+x)}$$

Sequence: A022114
Score: 24.5994
Type of gen. func.: lgdogf

$$-\frac{7x^2+4x+9}{(7x+2)(x^2+x-1)}$$

Sequence: A022114
Score: 9.21407
Type of gen. func.: ogf

$$(13 f(x) + 55) (f(x) x^2 + f(x) x - f(x) + 7 x + 2)$$

Sequence: A022114
Score: 9.77590
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 2, a(1) = 9\}$$

Sequence: A022115
Score: 18.1348

Type of gen. func.: ogf

$$-\frac{9 x + 2}{x^2 + x - 1}$$

Sequence: A022115
Score: 21.6655
Type of gen. func.: revogf

$$\frac{-x - 2 + (5 x^2 + 40 x + 4)^{1/2}}{2 (9 + x)}$$

Sequence: A022115
Score: 24.2916
Type of gen. func.: lgdogf

$$-\frac{9 x^2 + 4 x + 11}{(9 x + 2) (x^2 + x - 1)}$$

Sequence: A022115
Score: 9.38009
Type of gen. func.: ogf

$$(15 f(x) + 91) (f(x) x^2 + f(x) x - f(x) + 9 x + 2)$$

Sequence: A022115
Score: 9.83214
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 2, a(1) = 11\}$$

Sequence: A022116
Score: 16.9828
Type of gen. func.: ogf

$$-\frac{11 x + 2}{}$$

$$x^2 + x - 1$$

Sequence: A022116
Score: 20.1809
Type of gen. func.: revogf

$$\frac{-x - 2 + (5 x^2 + 48 x + 4)^{1/2}}{2 (x + 11)}$$

Sequence: A022116
Score: 21.9107
Type of gen. func.: lgdogf

$$- \frac{11 x^2 + 4 x + 13}{(11 x + 2) (x^2 + x - 1)}$$

Sequence: A022116
Score: 8.77761
Type of gen. func.: ogf

$$(17 f(x) + 135) (f(x) x^2 + f(x) x - f(x) + 11 x + 2)$$

Sequence: A022116
Score: 9.41213
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 2, a(1) = 13\}$$

Sequence: A022117
Score: 17.0607
Type of gen. func.: ogf

$$- \frac{13 x + 2}{x^2 + x - 1}$$

Sequence: A022117
Score: 20.2752
Type of gen. func.: revogf

$$\frac{-x - 2 + (5 x^2 + 56 x + 4)^{1/2}}{2 (13 + x)}$$

Sequence: A022117
Score: 22.0131
Type of gen. func.: lgdogf

$$- \frac{13 x^2 + 4 x + 15}{(13 x + 2) (x^2 + x - 1)}$$

Sequence: A022117
Score: 8.81787
Type of gen. func.: ogf

$$(19 f(x) + 187) (f(x) x^2 + f(x) x - f(x) + 13 x + 2)$$

Sequence: A022117
Score: 9.45531
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 2, a(1) = 15\}$$

Sequence: A022118
Score: 17.2944
Type of gen. func.: ogf

$$- \frac{15 x + 2}{x^2 + x - 1}$$

Sequence: A022118
Score: 20.5581
Type of gen. func.: revogf

$$\frac{-x - 2 + (5 x^2 + 64 x + 4)^{1/2}}{2 (15 + x)}$$

Sequence: A022118
Score: 22.3202
Type of gen. func.: lgdogf

$$- \frac{15 x^2 + 4 x + 17}{(15 x + 2) (x^2 + x - 1)}$$

Sequence: A022118
Score: 8.93867
Type of gen. func.: ogf

$$(21 f(x) + 247) (f(x) x^2 + f(x) x - f(x) + 15 x + 2)$$

Sequence: A022118
Score: 9.58483
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 2, a(1) = 17\}$$

Sequence: A022119
Score: 12.4218
Type of gen. func.: ogf

$$- \frac{17 x + 2}{x^2 + x - 1}$$

Sequence: A022119
Score: 14.6789
Type of gen. func.: revogf

$$\frac{-x - 2 + (5 x^2 + 72 x + 4)^{1/2}}{}$$

$$2\,(17 + x)$$

Sequence: A022119
Score: 15.9371
Type of gen. func.: lgdogf

$$-\frac{17\,x^2 + 4\,x + 19}{(17\,x + 2)\,(x^2 + x - 1)}$$

Sequence: A022119
Score: 6.42024
Type of gen. func.: ogf

$$(23\,f(x) + 315)\,(f(x)\,x^2 + f(x)\,x - f(x) + 17\,x + 2)$$

Sequence: A022119
Score: 6.88436
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n),\ a(0) = 2,\ a(1) = 19\}$$

Sequence: A022120
Score: 17.6534
Type of gen. func.: ogf

$$-\frac{4\,x + 3}{x^2 + x - 1}$$

Sequence: A022120
Score: 21.0800
Type of gen. func.: revogf

$$\frac{-3 - x + (5\,x^2 + 22\,x + 9)^{1/2}}{2\,(4 + x)}$$

Sequence: A022120
Score: 24.3737
Type of gen. func.: lgdogf

$$-\frac{4 x^2 + 6 x + 7}{(4 x + 3) (x^2 + x - 1)}$$

Sequence: A022120
Score: 9.13106
Type of gen. func.: ogf

$$(13 f(x) + 10) (f(x) x^2 + f(x) x - f(x) + 4 x + 3)$$

Sequence: A022120
Score: 9.68783
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 3, a(1) = 7\}$$

Sequence: A022121
Score: 17.7336
Type of gen. func.: ogf

$$-\frac{5 x + 3}{x^2 + x - 1}$$

Sequence: A022121
Score: 21.1776
Type of gen. func.: revogf

$$\frac{-3 - x + (5 x^2 + 26 x + 9)^{1/2}}{2 (5 + x)}$$

Sequence: A022121
Score: 24.4866
Type of gen. func.: lgdogf

$$-\frac{5 x^{2} + 6 x + 8}{(5 x + 3) (x^{2} + x - 1)}$$

Sequence: A022121
Score: 9.27922
Type of gen. func.: ogf

$$(7 f(x) + 11) (f(x) x^{2} + f(x) x - f(x) + 5 x + 3)$$

Sequence: A022121
Score: 9.73187
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 3, a(1) = 8\}$$

Sequence: A022122
Score: 18.0546
Type of gen. func.: ogf

$$-\frac{7 x + 3}{x^{2} + x - 1}$$

Sequence: A022122
Score: 21.5679
Type of gen. func.: revogf

$$\frac{-3 - x + (5 x^{2} + 34 x + 9)^{1/2}}{2 (7 + x)}$$

Sequence: A022122
Score: 24.1822
Type of gen. func.: lgdogf

$$-\frac{7 x^{2} + 6 x + 10}{{}^{2}}$$

$$(7 x + 3) (x + x - 1)$$

Sequence: A022122
Score: 9.44717
Type of gen. func.: ogf

$$(4 f(x) + 13) (f(x) x^2 + f(x) x - f(x) + 7 x + 3)$$

Sequence: A022122
Score: 9.78864
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 3, a(1) = 10\}$$

Sequence: A022123
Score: 17.2805
Type of gen. func.: ogf

$$- \frac{8 x + 3}{x^2 + x - 1}$$

Sequence: A022123
Score: 20.6295
Type of gen. func.: revogf

$$\frac{-3 - x + (5 x^2 + 38 x + 9)^{1/2}}{2 (8 + x)}$$

Sequence: A022123
Score: 23.1300
Type of gen. func.: lgdogf

$$- \frac{8 x^2 + 6 x + 11}{(8 x + 3) (x^2 + x - 1)}$$

Sequence: A022123
Score: 8.9382
Type of gen. func.: ogf

$$(17 f(x) + 70) (f(x) x^2 + f(x) x - f(x) + 8 x + 3)$$

Sequence: A022123
Score: 9.36896
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 3, a(1) = 11\}$$

Sequence: A022124
Score: 12.9148
Type of gen. func.: ogf

$$-\frac{10 x + 3}{x^2 + x - 1}$$

Sequence: A022124
Score: 14.8806
Type of gen. func.: revogf

$$\frac{-3 - x + ((9 + x) (1 + 5 x))^{1/2}}{2 (x + 10)}$$

Sequence: A022124
Score: 16.5813
Type of gen. func.: lgdogf

$$-\frac{10 x^2 + 6 x + 13}{(10 x + 3) (x^2 + x - 1)}$$

Sequence: A022124
Score: 6.67505
Type of gen. func.: ogf

$$(19 f(x) + 112) (f(x) x^2 + f(x) x - f(x) + 10 x + 3)$$

Sequence: A022124
Score: 7.15759
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 3, a(1) = 13\}$$

Sequence: A022125
Score: 15.2722
Type of gen. func.: revogf

$$\frac{-3 - x + (5 x^2 + 50 x + 9)^{1/2}}{2 (x + 11)}$$

Sequence: A022125
Score: 16.5813
Type of gen. func.: lgdogf

$$- \frac{11 x^2 + 6 x + 14}{(11 x + 3) (x^2 + x - 1)}$$

Sequence: A022125
Score: 17.9761
Type of gen. func.: ogf

$$- \frac{11 x + 3}{x^2 + x - 1}$$

Sequence: A022125
Score: 9.5046
Type of gen. func.: ogf

$$(5 f(x) + 34) (f(x) x^2 + f(x) x - f(x) + 11 x + 3)$$

Sequence: A022125
Score: 9.96266
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 3, a(1) = 14\}$$

Sequence: A022126
Score: 15.3626
Type of gen. func.: revogf

$$\frac{-3 - x + (5 x^{2} + 58 x + 9)^{1/2}}{2 (13 + x)}$$

Sequence: A022126
Score: 16.6794
Type of gen. func.: lgdogf

$$- \frac{13 x^{2} + 6 x + 16}{(13 x + 3) (x^{2} + x - 1)}$$

Sequence: A022126
Score: 17.2165
Type of gen. func.: ogf

$$- \frac{13 x + 3}{x^{2} + x - 1}$$

Sequence: A022126
Score: 8.99952
Type of gen. func.: ogf

$$(11 f(x) + 95) (f(x) x^{2} + f(x) x - f(x) + 13 x + 3)$$

Sequence: A022126
Score: 9.54166

Type of gen. func.: ogf

$$\{a(n+2) - a(n+1) - a(n), a(0) = 3, a(1) = 16\}$$

Sequence: A022127
Score: 15.4530
Type of gen. func.: revogf

$$\frac{-3 - x + (5 x^2 + 62 x + 9)^{1/2}}{2 (14 + x)}$$

Sequence: A022127
Score: 16.7775
Type of gen. func.: lgdogf

$$-\frac{14 x^2 + 6 x + 17}{(14 x + 3) (x^2 + x - 1)}$$

Sequence: A022127
Score: 17.2944
Type of gen. func.: ogf

$$-\frac{14 x + 3}{x^2 + x - 1}$$

Sequence: A022127
Score: 8.93867
Type of gen. func.: ogf

$$(23 f(x) + 220) (f(x) x^2 + f(x) x - f(x) + 14 x + 3)$$

Sequence: A022127
Score: 9.58483
Type of gen. func.: ogf

$$\{a(n+2) - a(n+1) - a(n), a(0) = 3, a(1) = 17\}$$

Sequence: A022128
Score: 12.4218
Type of gen. func.: ogf

$$-\frac{16x+3}{x^2+x-1}$$

Sequence: A022128
Score: 14.6789
Type of gen. func.: revogf

$$\frac{-3-x+(5x^2+70x+9)^{1/2}}{2(16+x)}$$

Sequence: A022128
Score: 15.9371
Type of gen. func.: lgdogf

$$-\frac{16x^2+6x+19}{(16x+3)(x^2+x-1)}$$

Sequence: A022128
Score: 6.42024
Type of gen. func.: ogf

$$(25f(x)+286)(f(x)x^2+f(x)x-f(x)+16x+3)$$

Sequence: A022128
Score: 6.88436
Type of gen. func.: ogf

$$\{a(n+2)-a(n+1)-a(n),\ a(0)=3,\ a(1)=19\}$$

Sequence: A022129

Score: 12.4957
Type of gen. func.: ogf

$$-\frac{17 x + 3}{x^2 + x - 1}$$

Sequence: A022129
Score: 14.7684
Type of gen. func.: revogf

$$\frac{-3 - x + (5 x^2 + 74 x + 9)^{1/2}}{2 (17 + x)}$$

Sequence: A022129
Score: 16.0342
Type of gen. func.: lgdogf

$$-\frac{17 x^2 + 6 x + 20}{(17 x + 3) (x^2 + x - 1)}$$

Sequence: A022129
Score: 6.45845
Type of gen. func.: ogf

$$(13 f(x) + 161) (f(x) x^2 + f(x) x - f(x) + 17 x + 3)$$

Sequence: A022129
Score: 6.92534
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 3, a(1) = 20\}$$

Sequence: A022130
Score: 17.9744
Type of gen. func.: ogf

$$5 x + 4$$

```
- ----------
    2
   x  + x - 1
```

Sequence: A022130
Score: 20.9053
Type of gen. func.: revogf

$$\frac{-4 - x + (5 x^2 + 28 x + 16)^{1/2}}{2 (5 + x)}$$

Sequence: A022130
Score: 24.8251
Type of gen. func.: lgdogf

$$-\frac{5 x^2 + 8 x + 9}{(5 x + 4) (x^2 + x - 1)}$$

Sequence: A022130
Score: 9.29708
Type of gen. func.: ogf

$$(17 f(x) + 13) (f(x) x^2 + f(x) x - f(x) + 5 x + 4)$$

Sequence: A022130
Score: 9.86398
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 4, a(1) = 9\}$$

Sequence: A022131
Score: 17.3602
Type of gen. func.: ogf

$$-\frac{7 x + 4}{x^2 + x - 1}$$

Sequence: A022131
Score: 20.1809
Type of gen. func.: revogf

$$\frac{-4 - x + (5 x^2 + 36 x + 16)^{1/2}}{2 (7 + x)}$$

Sequence: A022131
Score: 23.2386
Type of gen. func.: lgdogf

$$- \frac{7 x^2 + 8 x + 11}{(7 x + 4) (x^2 + x - 1)}$$

Sequence: A022131
Score: 8.97939
Type of gen. func.: ogf

$$(19 f(x) + 45) (f(x) x^2 + f(x) x - f(x) + 7 x + 4)$$

Sequence: A022131
Score: 9.41213
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 4, a(1) = 11\}$$

Sequence: A022132
Score: 17.4398
Type of gen. func.: ogf

$$- \frac{9 x + 4}{x^2 + x - 1}$$

Sequence: A022132
Score: 20.2752

Type of gen. func.: revogf

$$\frac{-4 - x + (5 x^2 + 44 x + 16)^{1/2}}{2 (9 + x)}$$

Sequence: A022132
Score: 23.3472
Type of gen. func.: lgdogf

$$-\frac{9 x^2 + 8 x + 13}{(9 x + 4) (x^2 + x - 1)}$$

Sequence: A022132
Score: 9.02058
Type of gen. func.: ogf

$$(21 f(x) + 85) (f(x) x^2 + f(x) x - f(x) + 9 x + 4)$$

Sequence: A022132
Score: 9.45531
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 4, a(1) = 13\}$$

Sequence: A022133
Score: 12.9894
Type of gen. func.: ogf

$$-\frac{11 x + 4}{x^2 + x - 1}$$

Sequence: A022133
Score: 14.9687
Type of gen. func.: revogf

$$-4 - x + (5 x^2 + 52 x + 16)^{1/2}$$

```
                             ------------------------------
                                      2 (x + 11)



--------------------------------------------------------------------------------

Sequence:  A022133
Score: 16.6794
Type of gen. func.: lgdogf

                                          2
                                     11 x  + 8 x + 15
                               - -----------------------
                                                2
                                 (11 x + 4) (x  + x - 1)



--------------------------------------------------------------------------------

Sequence:  A022133
Score: 6.71364
Type of gen. func.: ogf

                                           2
              (23 f(x) + 133) (f(x) x  + f(x) x - f(x) + 11 x + 4)



--------------------------------------------------------------------------------

Sequence:  A022133
Score: 7.19896
Type of gen. func.: ogf

               {a(n + 2) - a(n + 1) - a(n), a(0) = 4, a(1) = 15}



--------------------------------------------------------------------------------

Sequence:  A022134
Score: 13.1387
Type of gen. func.: ogf

                                        13 x + 4
                                      - ----------
                                         2
                                        x  + x - 1



--------------------------------------------------------------------------------

Sequence:  A022134
Score: 15.1448
Type of gen. func.: revogf

                                          2              1/2
                            -4 - x + (5 x  + 60 x + 16)
                            ------------------------------
                                      2 (13 + x)
```

Sequence: A022134
Score: 16.8756
Type of gen. func.: lgdogf

$$-\frac{13 x^2 + 8 x + 17}{(13 x + 4) (x^2 + x - 1)}$$

Sequence: A022134
Score: 6.79081
Type of gen. func.: ogf

$$(25 f(x) + 189) (f(x) x^2 + f(x) x - f(x) + 13 x + 4)$$

Sequence: A022134
Score: 7.28171
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 4, a(1) = 17\}$$

Sequence: A022135
Score: 12.4218
Type of gen. func.: ogf

$$-\frac{15 x + 4}{x^2 + x - 1}$$

Sequence: A022135
Score: 14.3025
Type of gen. func.: revogf

$$\frac{-4 - x + (5 x^2 + 68 x + 16)^{1/2}}{2 (15 + x)}$$

Sequence: A022135
Score: 15.9371
Type of gen. func.: lgdogf

$$-\frac{15 x^2 + 8 x + 19}{(15 x + 4) (x^2 + x - 1)}$$

Sequence: A022135
Score: 6.88436
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 4, a(1) = 19\}$$

Sequence: A022135
Score: 9.01919
Type of gen. func.: ogf

$$(27 f(x) + 253) (f(x) x^2 + f(x) x - f(x) + 15 x + 4)$$

Sequence: A022136
Score: 17.3602
Type of gen. func.: ogf

$$-\frac{6 x + 5}{x^2 + x - 1}$$

Sequence: A022136
Score: 20.1809
Type of gen. func.: revogf

$$\frac{-5 - x + (5 x^2 + 34 x + 25)^{1/2}}{2 (6 + x)}$$

Sequence: A022136
Score: 22.5551
Type of gen. func.: lgdogf

$$-\frac{6 x^2 + 10 x + 11}{}$$

$$(6 x + 5) (x^2 + x - 1)$$

Sequence: A022136
Score: 8.97939
Type of gen. func.: ogf

$$(21 f(x) + 16) (f(x) x^2 + f(x) x - f(x) + 6 x + 5)$$

Sequence: A022136
Score: 9.41213
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 5, a(1) = 11\}$$

Sequence: A022137
Score: 17.4398
Type of gen. func.: ogf

$$- \frac{7 x + 5}{x^2 + x - 1}$$

Sequence: A022137
Score: 20.2752
Type of gen. func.: revogf

$$\frac{-5 - x + (5 x^2 + 38 x + 25)^{1/2}}{2 (7 + x)}$$

Sequence: A022137
Score: 22.6605
Type of gen. func.: lgdogf

$$- \frac{7 x^2 + 10 x + 12}{(7 x + 5) (x^2 + x - 1)}$$

Sequence: A022137
Score: 9.02058
Type of gen. func.: ogf

$$(11 f(x) + 17) (f(x) x^2 + f(x) x - f(x) + 7 x + 5)$$

Sequence: A022137
Score: 9.45531
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 5, a(1) = 12\}$$

Sequence: A022138
Score: 17.4398
Type of gen. func.: ogf

$$-\frac{8 x + 5}{x^2 + x - 1}$$

Sequence: A022138
Score: 20.2752
Type of gen. func.: revogf

$$\frac{-5 - x + (5 x^2 + 42 x + 25)^{1/2}}{2 (8 + x)}$$

Sequence: A022138
Score: 22.6605
Type of gen. func.: lgdogf

$$-\frac{8 x^2 + 10 x + 13}{(8 x + 5) (x^2 + x - 1)}$$

Sequence: A022138
Score: 9.02058
Type of gen. func.: ogf

$$(23 f(x) + 54) (f(x) x^2 + f(x) x - f(x) + 8 x + 5)$$

Sequence: A022138
Score: 9.45531
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 5, a(1) = 13\}$$

Sequence: A022139
Score: 17.5194
Type of gen. func.: ogf

$$- \frac{9 x + 5}{x^2 + x - 1}$$

Sequence: A022139
Score: 20.3695
Type of gen. func.: revogf

$$\frac{-5 - x + (5 x^2 + 46 x + 25)^{1/2}}{2 (9 + x)}$$

Sequence: A022139
Score: 22.7659
Type of gen. func.: lgdogf

$$- \frac{9 x^2 + 10 x + 14}{(9 x + 5) (x^2 + x - 1)}$$

Sequence: A022139
Score: 9.16714
Type of gen. func.: ogf

$$(6 f(x) + 19) (f(x) x^2 + f(x) x - f(x) + 9 x + 5)$$

Sequence: A022139
Score: 9.49848
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 5, a(1) = 14\}$$

Sequence: A022140
Score: 13.0641
Type of gen. func.: ogf

$$-\frac{11 x + 5}{x^2 + x - 1}$$

Sequence: A022140
Score: 15.0567
Type of gen. func.: revogf

$$\frac{-5 - x + (5 x^2 + 54 x + 25)^{1/2}}{2 (x + 11)}$$

Sequence: A022140
Score: 16.3115
Type of gen. func.: lgdogf

$$-\frac{11 x^2 + 10 x + 16}{(11 x + 5) (x^2 + x - 1)}$$

Sequence: A022140
Score: 7.24034
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 5, a(1) = 16\}$$

Sequence: A022140
Score: 9.04024

Type of gen. func.: ogf

$$(13 f(x) + 63) (f(x) x^2 + f(x) x - f(x) + 11 x + 5)$$

Sequence: A022141
Score: 12.4218
Type of gen. func.: ogf

$$-\frac{12 x + 5}{x^2 + x - 1}$$

Sequence: A022141
Score: 14.3025
Type of gen. func.: revogf

$$\frac{-5 - x + (5 x^2 + 58 x + 25)^{1/2}}{2 (x + 12)}$$

Sequence: A022141
Score: 15.4944
Type of gen. func.: lgdogf

$$-\frac{12 x^2 + 10 x + 17}{(12 x + 5) (x^2 + x - 1)}$$

Sequence: A022141
Score: 6.42024
Type of gen. func.: ogf

$$(27 f(x) + 154) (f(x) x^2 + f(x) x - f(x) + 12 x + 5)$$

Sequence: A022141
Score: 6.88436
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 5, a(1) = 17\}$$

Sequence: A022142
Score: 12.4218
Type of gen. func.: ogf

$$-\frac{13 x + 5}{x^2 + x - 1}$$

Sequence: A022142
Score: 14.3025
Type of gen. func.: revogf

$$\frac{-5 - x + (5 x^2 + 62 x + 25)^{1/2}}{2 (13 + x)}$$

Sequence: A022142
Score: 15.4944
Type of gen. func.: lgdogf

$$-\frac{13 x^2 + 10 x + 18}{(13 x + 5) (x^2 + x - 1)}$$

Sequence: A022142
Score: 6.88436
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 5, a(1) = 18\}$$

Sequence: A022142
Score: 9.22653
Type of gen. func.: ogf

$$(7 f(x) + 46) (f(x) x^2 + f(x) x - f(x) + 13 x + 5)$$

Sequence: A022143
Score: 12.4957
Type of gen. func.: ogf

$$-\frac{14 x + 5}{x^2 + x - 1}$$

Sequence: A022143
Score: 14.3897
Type of gen. func.: revogf

$$\frac{-5 - x + (5 x^2 + 66 x + 25)^{1/2}}{2 (14 + x)}$$

Sequence: A022143
Score: 15.5888
Type of gen. func.: lgdogf

$$-\frac{14 x^2 + 10 x + 19}{(14 x + 5) (x^2 + x - 1)}$$

Sequence: A022143
Score: 6.45845
Type of gen. func.: ogf

$$(29 f(x) + 216) (f(x) x^2 + f(x) x - f(x) + 14 x + 5)$$

Sequence: A022143
Score: 6.92534
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 5, a(1) = 19\}$$

Sequence: A022144
Score: 12.4250
Type of gen. func.: ogf

$$\frac{x^2 + 6 x + 1}{(x - 1)^2}$$

Sequence: A022144
Score: 24.7389
Type of gen. func.: lgdogf

$$- \frac{8 (x + 1)}{(x - 1) (x^2 + 6 x + 1)}$$

Sequence: A022144
Score: 6.39346
Type of gen. func.: ogf

{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 8, a(2) = 16}

Sequence: A022144
Score: 9.27502
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x + x^2 - f(x) + 6 x + 1$$

Sequence: A022145
Score: 13.4643
Type of gen. func.: lgdogf

$$- \frac{2 (13 x^2 + 38 x + 9)}{(x - 1) (x^3 + 23 x^2 + 15 x + 1)}$$

Sequence: A022145
Score: 4.45981
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 18, a(2) = 74,

a(3) = 170}

Sequence: A022145
Score: 4.73855
Type of gen. func.: ogf

$$(6225 f(x) - 70702)\,(f(x) x^3 - 3 f(x) x^2 + x^3 + 3 f(x) x + 23 x^2 - f(x) + 15 x + 1)$$

Sequence: A022145
Score: 8.54273
Type of gen. func.: ogf

$$-\frac{x^3 + 23 x^2 + 15 x + 1}{(x - 1)^3}$$

Sequence: A022146
Score: 10.0438
Type of gen. func.: lgdogf

$$-\frac{32 (2 x^3 + 12 x^2 + 9 x + 1)}{(x - 1) (x^4 + 60 x^3 + 102 x^2 + 28 x + 1)}$$

Sequence: A022146
Score: 3.70193
Type of gen. func.: ogf

$$-(4077 f(x) + 162598) (f(x) x^4 - 4 f(x) x^3 - x^4 + 6 f(x) x^2 - 60 x^3 - 4 f(x) x - 102 x^2 + f(x) - 28 x - 1)$$

Sequence: A022146
Score: 6.69676
Type of gen. func.: ogf

$$\frac{x^4 + 60 x^3 + 102 x^2 + 28 x + 1}{}$$

$$(x - 1)^4$$

Sequence: A022147
Score: 5.33144
Type of gen. func.: ogf

$$-\frac{x^5 + 125 x^4 + 402 x^3 + 290 x^2 + 45 x + 1}{(x - 1)^5}$$

Sequence: A022147
Score: 7.16782
Type of gen. func.: lgdogf

$$-\frac{2 (65 x^4 + 652 x^3 + 1038 x^2 + 380 x + 25)}{(x - 1) (x^5 + 125 x^4 + 402 x^3 + 290 x^2 + 45 x + 1)}$$

Sequence: A022148
Score: 4.18863
Type of gen. func.: ogf

$$\frac{x^6 + 226 x^5 + 1167 x^4 + 1596 x^3 + 655 x^2 + 66 x + 1}{(x - 1)^6}$$

Sequence: A022148
Score: 5.52751
Type of gen. func.: lgdogf

$$-\frac{8 (29 x^5 + 433 x^4 + 1182 x^3 + 926 x^2 + 205 x + 9)}{(x - 1) (x^6 + 226 x^5 + 1167 x^4 + 1596 x^3 + 655 x^2 + 66 x + 1)}$$

Sequence: A022149
Score: 3.70111
Type of gen. func.: ogf

$$-\frac{x^7 + 371 x^6 + 2793 x^5 + 6155 x^4 + 4795 x^3 + 1281 x^2 + 91 x + 1}{(x - 1)^7}$$

Sequence: A022150
Score: 4.29794
Type of gen. func.: ogf

$$(x^8 + 568 x^7 + 5852 x^6 + 18888 x^5 + 23750 x^4 + 12040 x^3 + 2268 x^2 + 120 x + 1) \Big/ (x - 1)^8$$

Sequence: A022151
Score: 3.81366
Type of gen. func.: ogf

$$- (x^9 + 825 x^8 + 11124 x^7 + 49380 x^6 + 91118 x^5 + 74574 x^4 + 26628 x^3 + 3732 x^2 + 153 x + 1) \Big/ (x - 1)^9$$

Sequence: A022152
Score: 3.25661
Type of gen. func.: ogf

$$(x^{10} + 1150 x^9 + 19629 x^8 + 114600 x^7 + 291410 x^6 + 350196 x^5 + 201810 x^4 + 53544 x^3 + 5805 x^2 + 190 x + 1) \Big/ (x - 1)^{10}$$

Sequence: A022163
Score: 4.84394
Type of gen. func.: ogf

$$-(2038 f(x) + 2141) (3 f(x) x^4 - 6 f(x) x^2 + 3 x^3 + f(x) - 5 x - 1)$$

Sequence: A022163
Score: 5.01072
Type of gen. func.: ogf

$$-\frac{3x^3 - 5x - 1}{3x^4 - 6x^2 + 1}$$

Sequence: A022165
Score: 5.01072
Type of gen. func.: ogf

$$-\frac{(x+1)(4x^2 - 4x - 1)}{4x^4 - 6x^2 + 1}$$

Sequence: A022165
Score: 5.9461
Type of gen. func.: ogf

$$-(4f(x) + 9)(4f(x)x^4 - 6f(x)x^2 + 4x^3 + f(x) - 5x - 1)$$

Sequence: A022196
Score: 5.63754
Type of gen. func.: ogf

$$\frac{1}{(x-1)(9x-1)(81x-1)(3x-1)(243x-1)(27x-1)}$$

Sequence: A022220
Score: 11.9928
Type of gen. func.: lgdogf

$$-\frac{648x^2 - 516x + 43}{(x-1)(6x-1)(36x-1)}$$

Sequence: A022220
Score: 14.1930

Type of gen. func.: ogf

$$-\frac{1}{(x-1)(6x-1)(36x-1)}$$

Sequence: A022220
Score: 4.92650
Type of gen. func.: ogf

$$\{a(n+3) - 43\,a(n+2) + 258\,a(n+1) - 216\,a(n),\ a(0) = 1,\ a(1) = 43,\ a(2) = 1591\}$$

Sequence: A022220
Score: 5.22901
Type of gen. func.: ogf

$$(1735597\,f(x) - 25272)\,(216\,f(x)\,x^3 - 258\,f(x)\,x^2 + 43\,f(x)\,x - f(x) + 1)$$

Sequence: A022221
Score: 3.63661
Type of gen. func.: ogf

$$(67542446191\,f(x) + 6345216)\,(46656\,f(x)\,x^4 - 55944\,f(x)\,x^3 + 9546\,f(x)\,x^2 - 259\,f(x)\,x + f(x) - 1)$$

Sequence: A022221
Score: 7.43835
Type of gen. func.: lgdogf

$$-\frac{186624\,x^3 - 167832\,x^2 + 19092\,x - 259}{(x-1)(6x-1)(36x-1)(216x-1)}$$

Sequence: A022221
Score: 8.56363
Type of gen. func.: ogf

$$\frac{1}{}$$

$$(x - 1) (6 x - 1) (36 x - 1) (216 x - 1)$$

Sequence: A022222
Score: 5.61460
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (6 x - 1) (36 x - 1) (1296 x - 1) (216 x - 1)}$$

Sequence: A022231
Score: 12.3093
Type of gen. func.: lgdogf

$$- \frac{3 (343 x^2 - 266 x + 19)}{(x - 1) (7 x - 1) (49 x - 1)}$$

Sequence: A022231
Score: 13.1534
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (7 x - 1) (49 x - 1)}$$

Sequence: A022231
Score: 4.56564
Type of gen. func.: ogf

{a(n + 3) - 57 a(n + 2) + 399 a(n + 1) - 343 a(n), a(0) = 1, a(1) = 57,

a(2) = 2850}

Sequence: A022231
Score: 4.84598
Type of gen. func.: ogf

$$(5902051 f(x) - 53851) (343 f(x) x^3 - 399 f(x) x^2 + 57 f(x) x - f(x) + 1)$$

Sequence: A022232
Score: 7.22535
Type of gen. func.: ogf

$$\frac{1}{(x - 1)\,(343\,x - 1)\,(7\,x - 1)\,(49\,x - 1)}$$

Sequence: A022233
Score: 5.88056
Type of gen. func.: ogf

$$-\frac{1}{(x - 1)\,(2401\,x - 1)\,(343\,x - 1)\,(7\,x - 1)\,(49\,x - 1)}$$

Sequence: A022242
Score: 11.8758
Type of gen. func.: ogf

$$-\frac{1}{(x - 1)\,(8\,x - 1)\,(64\,x - 1)}$$

Sequence: A022242
Score: 4.12217
Type of gen. func.: ogf

$$\{a(n + 3) - 73\,a(n + 2) + 584\,a(n + 1) - 512\,a(n),\ a(0) = 1,\ a(1) = 73,\ a(2) = 4745\}$$

Sequence: A022242
Score: 4.37528
Type of gen. func.: ogf

$$(2439543\,f(x) - 14848)\,(512\,f(x)\,x^3 - 584\,f(x)\,x^2 + 73\,f(x)\,x - f(x) + 1)$$

Sequence: A022243
Score: 6.89475
Type of gen. func.: lgdogf

$$1048576\,x^3 - 898560\,x^2 + 75920\,x - 585$$

$$-\frac{}{(x-1)(8x-1)(512x-1)(64x-1)}$$

Sequence: A022243
Score: 7.68411
Type of gen. func.: ogf

$$\frac{1}{(x-1)(8x-1)(512x-1)(64x-1)}$$

Sequence: A022244
Score: 5.96750
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(512x-1)(4096x-1)(64x-1)(8x-1)}$$

Sequence: A022253
Score: 11.6359
Type of gen. func.: lgdogf

$$-\frac{2187x^2-1638x+91}{(x-1)(81x-1)(9x-1)}$$

Sequence: A022253
Score: 12.4413
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(81x-1)(9x-1)}$$

Sequence: A022253
Score: 4.31846
Type of gen. func.: ogf

{a(n + 3) - 91 a(n + 2) + 819 a(n + 1) - 729 a(n), a(0) = 1, a(1) = 91,

a(2) = 7462}

Sequence: A022253
Score: 4.5046
Type of gen. func.: ogf

$$(43644583 f(x) - 185895) (729 f(x) x^3 - 819 f(x) x^2 + 91 f(x) x - f(x) + 1)$$

Sequence: A022254
Score: 7.10960
Type of gen. func.: lgdogf

$$- \frac{4 (531441 x^3 - 448335 x^2 + 33579 x - 205)}{(x - 1) (81 x - 1) (729 x - 1) (9 x - 1)}$$

Sequence: A022254
Score: 8.02817
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (81 x - 1) (729 x - 1) (9 x - 1)}$$

Sequence: A022255
Score: 6.26724
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (81 x - 1) (729 x - 1) (9 x - 1) (6561 x - 1)}$$

Sequence: A022264
Score: 14.3199
Type of gen. func.: ogf

$$- \frac{x (4 x + 3)}{(x - 1)^3}$$

Sequence: A022264
Score: 25.9376
Type of gen. func.: lgdogf

$$-\frac{13 + 8 x}{(4 x + 3) (x - 1)}$$

Sequence: A022264
Score: 7.15992
Type of gen. func.: ogf

$$(6321 f(x) - 14615) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) + 3 x)$$

Sequence: A022264
Score: 7.28779
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 3, a(2) = 13\}$$

Sequence: A022265
Score: 10.6575
Type of gen. func.: ogf

$$-\frac{x (3 x + 4)}{(x - 1)^3}$$

Sequence: A022265
Score: 24.8569
Type of gen. func.: lgdogf

$$-\frac{3 (5 + 2 x)}{(3 x + 4) (x - 1)}$$

Sequence: A022265
Score: 5.28241
Type of gen. func.: ogf

$$(15043 f(x) - 37851) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) + 4 x)$$

Sequence: A022265
Score: 5.42391
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 0,\ a(1) = 4,\ a(2) = 15\}$$

Sequence: A022266
Score: 14.5225
Type of gen. func.: ogf

$$-\frac{x\,(5\,x + 4)}{(x - 1)^3}$$

Sequence: A022266
Score: 25.3116
Type of gen. func.: lgdogf

$$-\frac{17 + 10\,x}{(5\,x + 4)\,(x - 1)}$$

Sequence: A022266
Score: 7.13605
Type of gen. func.: ogf

$$(35235\,f(x) - 105469)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 5\,x^2 - f(x) + 4\,x)$$

Sequence: A022266
Score: 7.39091
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 0,\ a(1) = 4,\ a(2) = 17\}$$

Sequence: A022267
Score: 10.8489
Type of gen. func.: ogf

$$-\frac{x\,(4\,x + 5)}{(x - 1)^3}$$

Sequence: A022267
Score: 26.4121
Type of gen. func.: lgdogf

$$-\frac{19 + 8 x}{(4 x + 5) (x - 1)}$$

Sequence: A022267
Score: 5.3773
Type of gen. func.: ogf

$$(20169 f(x) - 64477) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) + 5 x)$$

Sequence: A022267
Score: 5.52134
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 5, a(2) = 19}

Sequence: A022268
Score: 14.3742
Type of gen. func.: ogf

$$-\frac{x (6 x + 5)}{(x - 1)^3}$$

Sequence: A022268
Score: 24.5242
Type of gen. func.: lgdogf

$$-\frac{3 (7 + 4 x)}{(6 x + 5) (x - 1)}$$

Sequence: A022268
Score: 7.1871
Type of gen. func.: ogf

$$(5687 f(x) - 20904) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 6 x^2 - f(x) + 5 x)$$

Sequence: A022268
Score: 7.31544
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 5, a(2) = 21\}$$

Sequence: A022269
Score: 14.3742
Type of gen. func.: ogf

$$- \frac{x (5 x + 6)}{(x - 1)^3}$$

Sequence: A022269
Score: 33.6601
Type of gen. func.: lgdogf

$$- \frac{23 + 10 x}{(5 x + 6) (x - 1)}$$

Sequence: A022269
Score: 7.1246
Type of gen. func.: ogf

$$(12705 f(x) - 49283) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 5 x^2 - f(x) + 6 x)$$

Sequence: A022269
Score: 7.31544
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 6, a(2) = 23\}$$

Sequence: A022270

Score: 13.2632
Type of gen. func.: ogf

$$-\frac{x\,(7\,x+6)}{(x-1)^3}$$

Sequence: A022270
Score: 24.8251
Type of gen. func.: lgdogf

$$-\frac{25+14\,x}{(7\,x+6)\,(x-1)}$$

Sequence: A022270
Score: 6.46155
Type of gen. func.: ogf

$$(156663\,f(x)-682879)\,(f(x)\,x^3-3\,f(x)\,x^2+3\,f(x)\,x+7\,x^2-f(x)+6\,x)$$

Sequence: A022270
Score: 6.75001
Type of gen. func.: ogf

$$\{a(n+3)-3\,a(n+2)+3\,a(n+1)-a(n),\ a(0)=0,\ a(1)=6,\ a(2)=25\}$$

Sequence: A022271
Score: 13.7426
Type of gen. func.: ogf

$$-\frac{x\,(6\,x+7)}{(x-1)^3}$$

Sequence: A022271
Score: 24.8251
Type of gen. func.: lgdogf

$$-\frac{3\,(9+4\,x)}{(6\,x+7)\,(x-1)}$$

Sequence: A022271
Score: 6.75282
Type of gen. func.: ogf

$$(86021 f(x) - 392430) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 6 x^2 - f(x) + 7 x)$$

Sequence: A022271
Score: 6.99399
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 7, a(2) = 27\}$$

Sequence: A022272
Score: 14.4920
Type of gen. func.: ogf

$$- \frac{x (8 x + 7)}{(x - 1)^3}$$

Sequence: A022272
Score: 24.9755
Type of gen. func.: lgdogf

$$- \frac{29 + 16 x}{(8 x + 7) (x - 1)}$$

Sequence: A022272
Score: 7.06022
Type of gen. func.: ogf

$$(139725 f(x) - 704561) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 8 x^2 - f(x) + 7 x)$$

Sequence: A022272
Score: 7.37540
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 7, a(2) = 29\}$$

Sequence: A022273
Score: 14.0081
Type of gen. func.: ogf

$$-\frac{x (7 x + 8)}{(x - 1)^3}$$

Sequence: A022273
Score: 24.9755
Type of gen. func.: lgdogf

$$-\frac{31 + 14 x}{(7 x + 8) (x - 1)}$$

Sequence: A022273
Score: 6.76664
Type of gen. func.: ogf

$$(303075 f(x) - 1589783) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 7 x^2 - f(x) + 8 x)$$

Sequence: A022273
Score: 7.12914
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 8, a(2) = 31\}$$

Sequence: A022274
Score: 13.7251
Type of gen. func.: ogf

$$-\frac{x (9 x + 8)}{(x - 1)^3}$$

Sequence: A022274
Score: 24.4098
Type of gen. func.: lgdogf

$$-\frac{3 (11 + 6 x)}{(9 x + 8) (x - 1)}$$

Sequence: A022274
Score: 6.74422
Type of gen. func.: ogf

$$(66181 f(x) - 378975) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 9 x^2 - f(x) + 8 x)$$

Sequence: A022274
Score: 6.98509
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 8, a(2) = 33\}$$

Sequence: A022275
Score: 13.7251
Type of gen. func.: ogf

$$-\frac{x (8 x + 9)}{(x - 1)^3}$$

Sequence: A022275
Score: 25.4269
Type of gen. func.: lgdogf

$$-\frac{35 + 16 x}{(8 x + 9) (x - 1)}$$

Sequence: A022275
Score: 6.74422
Type of gen. func.: ogf

$$(35547 f(x) - 210769) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 8 x^2 - f(x) + 9 x)$$

Sequence: A022275
Score: 6.98509
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 9, a(2) = 35\}$$

Sequence: A022276
Score: 14.5703
Type of gen. func.: ogf

$$-\frac{x (10 x + 9)}{(x - 1)^3}$$

Sequence: A022276
Score: 24.6987
Type of gen. func.: lgdogf

$$-\frac{37 + 20 x}{(10 x + 9) (x - 1)}$$

Sequence: A022276
Score: 7.1015
Type of gen. func.: ogf

$$(362805 f(x) - 2325722) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 10 x^2 - f(x) + 9 x)$$

Sequence: A022276
Score: 7.54535
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 0, a(1) = 9, a(2) = 37\}$$

Sequence: A022277
Score: 14.6359
Type of gen. func.: ogf

$$x (9 x + 10)$$

$$-\frac{}{(x-1)^3}$$

Sequence: A022277
Score: 22.8794
Type of gen. func.: lgdogf

$$-\frac{3 (13 + 6 x)}{(9 x + 10) (x - 1)}$$

Sequence: A022277
Score: 7.13349
Type of gen. func.: ogf

$$(773623 f(x) - 5116209) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 9 x^2 - f(x) + 10 x)$$

Sequence: A022277
Score: 7.51226
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 10, a(2) = 39\}$$

Sequence: A022278
Score: 10.0032
Type of gen. func.: ogf

$$-\frac{x (11 x + 10)}{(x - 1)^3}$$

Sequence: A022278
Score: 22.2893
Type of gen. func.: lgdogf

$$-\frac{41 + 22 x}{(11 x + 10) (x - 1)}$$

Sequence: A022278
Score: 4.87758
Type of gen. func.: ogf

$$(1086183 f(x) - 7706011) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 11 x^2 - f(x) + 10 x)$$

Sequence: A022278
Score: 5.22290
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 10, a(2) = 41\}$$

Sequence: A022279
Score: 10.0032
Type of gen. func.: ogf

$$-\frac{x (10 x + 11)}{(x - 1)^3}$$

Sequence: A022279
Score: 22.2893
Type of gen. func.: lgdogf

$$-\frac{43 + 20 x}{(10 x + 11) (x - 1)}$$

Sequence: A022279
Score: 4.91823
Type of gen. func.: ogf

$$(575505 f(x) - 4199728) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 10 x^2 - f(x) + 11 x)$$

Sequence: A022279
Score: 5.22290
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 11, a(2) = 43\}$$

Sequence: A022280
Score: 10.1237
Type of gen. func.: ogf

$$-\frac{x (12 x + 11)}{(x - 1)^3}$$

Sequence: A022280
Score: 21.7271
Type of gen. func.: lgdogf

$$-\frac{3 (15 + 8 x)}{(12 x + 11) (x - 1)}$$

Sequence: A022280
Score: 4.97749
Type of gen. func.: ogf

$$(783449 f(x) - 6094347) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 12 x^2 - f(x) + 11 x)$$

Sequence: A022280
Score: 5.28583
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 11, a(2) = 45}

Sequence: A022281
Score: 10.1237
Type of gen. func.: ogf

$$-\frac{x (11 x + 12)}{(x - 1)^3}$$

Sequence: A022281
Score: 22.5628
Type of gen. func.: lgdogf

$$-\frac{47 + 22 x}{(11 x + 12) (x - 1)}$$

Sequence: A022281
Score: 4.89589
Type of gen. func.: ogf

$$(1652067 f(x) - 13186355)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 11 x^2 - f(x) + 12 x)$$

Sequence: A022281
Score: 5.28583
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 0, a(1) = 12, a(2) = 47\}$$

Sequence: A022282
Score: 10.2442
Type of gen. func.: ogf

$$-\frac{x (13 x + 12)}{(x - 1)^3}$$

Sequence: A022282
Score: 22.8363
Type of gen. func.: lgdogf

$$-\frac{49 + 26 x}{(13 x + 12) (x - 1)}$$

Sequence: A022282
Score: 5.03674
Type of gen. func.: ogf

$$(313125 f(x) - 2650051) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 13 x^2 - f(x) + 12 x)$$

Sequence: A022282
Score: 5.34876
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 12, a(2) = 49\}$$

Sequence: A022283
Score: 10.2442
Type of gen. func.: ogf

$$-\frac{x (12 x + 13)}{(x - 1)^3}$$

Sequence: A022283
Score: 21.9905
Type of gen. func.: lgdogf

$$-\frac{3 (17 + 8 x)}{(12 x + 13) (x - 1)}$$

Sequence: A022283
Score: 5.03674
Type of gen. func.: ogf

$$(164375 f(x) - 1424487) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 12 x^2 - f(x) + 13 x)$$

Sequence: A022283
Score: 5.34876
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 13, a(2) = 51\}$$

Sequence: A022284
Score: 10.3045
Type of gen. func.: ogf

$$-\frac{x (14 x + 13)}{(x - 1)^3}$$

Sequence: A022284
Score: 22.9730
Type of gen. func.: lgdogf

$$-\frac{53 + 28 x}{(14 x + 13) (x - 1)}$$

Sequence: A022284
Score: 4.98332
Type of gen. func.: ogf

$$(1493721 f(x) - 13664060)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 14 x^2 - f(x) + 13 x)$$

Sequence: A022284
Score: 5.38022
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 13, a(2) = 53\}$$

Sequence: A022285
Score: 10.3045
Type of gen. func.: ogf

$$-\frac{x (13 x + 14)}{(x - 1)^3}$$

Sequence: A022285
Score: 22.9730
Type of gen. func.: lgdogf

$$-\frac{55 + 26 x}{(13 x + 14) (x - 1)}$$

Sequence: A022285

Score: 4.98332
Type of gen. func.: ogf

```
(3125223 f(x) - 29222381)

          3            2                        2
    (f(x) x  - 3 f(x) x  + 3 f(x) x + 13 x  - f(x) + 14 x)
```

Sequence: A022285
Score: 5.38022
Type of gen. func.: ogf

```
  {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 14, a(2) = 55}
```

Sequence: A022286
Score: 10.3647
Type of gen. func.: ogf

```
                                  x (15 x + 14)
                                - -------------
                                            3
                                    (x - 1)
```

Sequence: A022286
Score: 21.4591
Type of gen. func.: lgdogf

```
                                  3 (19 + 10 x)
                             - -------------------
                               (15 x + 14) (x - 1)
```

Sequence: A022286
Score: 5.01246
Type of gen. func.: ogf

```
(3982135 f(x) - 39152919)

          3            2                        2
    (f(x) x  - 3 f(x) x  + 3 f(x) x + 15 x  - f(x) + 14 x)
```

Sequence: A022286
Score: 5.41168
Type of gen. func.: ogf

```
  {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 14, a(2) = 57}
```

Sequence: A022287
Score: 10.3647
Type of gen. func.: ogf

$$-\frac{x (14 x + 15)}{(x - 1)^3}$$

Sequence: A022287
Score: 23.1098
Type of gen. func.: lgdogf

$$-\frac{59 + 28 x}{(14 x + 15) (x - 1)}$$

Sequence: A022287
Score: 5.01246
Type of gen. func.: ogf

$$(2076429 f(x) - 20836882)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 14 x^2 - f(x) + 15 x)$$

Sequence: A022287
Score: 5.41168
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 15, a(2) = 59\}$$

Sequence: A022288
Score: 10.4250
Type of gen. func.: ogf

$$-\frac{x (16 x + 15)}{(x - 1)^3}$$

Sequence: A022288
Score: 23.2465
Type of gen. func.: lgdogf

$$-\frac{61 + 32 x}{(16 x + 15) (x - 1)}$$

Sequence: A022288
Score: 5.12563
Type of gen. func.: ogf

$$(371907 f(x) - 3911219) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 16 x^2 - f(x) + 15 x)$$

Sequence: A022288
Score: 5.44315
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 15, a(2) = 61\}$$

Sequence: A022289
Score: 10.4250
Type of gen. func.: ogf

$$-\frac{x (15 x + 16)}{(x - 1)^3}$$

Sequence: A022289
Score: 21.5861
Type of gen. func.: lgdogf

$$-\frac{3 (21 + 10 x)}{(15 x + 16) (x - 1)}$$

Sequence: A022289
Score: 5.12563
Type of gen. func.: ogf

$$(773605 f(x) - 8292633) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 15 x^2 - f(x) + 16 x)$$

Sequence: A022289
Score: 5.44315
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 16, a(2) = 63\}$$

Sequence: A022291
Score: 3.74967
Type of gen. func.: ogf

$$(11530149297931 f(x) + 206789112000)$$

$$(270 f(x) x^4 - 399 f(x) x^3 + 149 f(x) x^2 - 21 f(x) x + f(x) - 1)$$

Sequence: A022291
Score: 9.05649
Type of gen. func.: lgdogf

$$-\frac{1080 x^3 - 1197 x^2 + 298 x - 21}{(x - 1) (6 x - 1) (9 x - 1) (5 x - 1)}$$

Sequence: A022291
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (6 x - 1) (9 x - 1) (5 x - 1)}$$

Sequence: A022308
Score: 16.1836
Type of gen. func.: ogf

$$-\frac{x (2 x - 3)}{(x - 1) (x^2 + x - 1)}$$

Sequence: A022308

Score: 18.1880
Type of gen. func.: lgdogf

$$-\frac{(-2 + x) (4 x^2 - x - 2)}{(x - 1) (2 x - 3) (x^2 + x - 1)}$$

Sequence: A022308
Score: 8.17519
Type of gen. func.: ogf

$$-(111 f(x) + 304) (f(x) x^3 - 2 f(x) x + 2 x^2 + f(x) - 3 x)$$

Sequence: A022308
Score: 8.52683
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 0, a(1) = 3, a(2) = 4\}$$

Sequence: A022309
Score: 13.7784
Type of gen. func.: lgdogf

$$-\frac{6 x^3 - 12 x^2 + 5}{(3 x - 4) (x - 1) (x^2 + x - 1)}$$

Sequence: A022309
Score: 16.4063
Type of gen. func.: ogf

$$-\frac{x (3 x - 4)}{(x - 1) (x^2 + x - 1)}$$

Sequence: A022309
Score: 8.64416
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 0, a(1) = 4, a(2) = 5\}$$

Sequence: A022309
Score: 8.9323
Type of gen. func.: ogf

$$(5 f(x) + 16) (f(x) x^3 - 2 f(x) x + 3 x^2 + f(x) - 4 x)$$

Sequence: A022310
Score: 16.5548
Type of gen. func.: ogf

$$- \frac{x (4 x - 5)}{(x - 1) (x^2 + x - 1)}$$

Sequence: A022310
Score: 19.5188
Type of gen. func.: lgdogf

$$- \frac{8 x^3 - 15 x^2 + 6}{(x - 1) (4 x - 5) (x^2 + x - 1)}$$

Sequence: A022310
Score: 8.72240
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 0, a(1) = 5, a(2) = 6\}$$

Sequence: A022310
Score: 9.01313
Type of gen. func.: ogf

$$(6 f(x) + 25) (f(x) x^3 - 2 f(x) x + 4 x^2 + f(x) - 5 x)$$

Sequence: A022311

Score: 15.9175
Type of gen. func.: ogf

$$-\frac{x\,(5\,x-6)}{(x-1)\,(x^{2}+x-1)}$$

Sequence: A022311
Score: 18.3125
Type of gen. func.: lgdogf

$$-\frac{10\,x^{3}-18\,x^{2}+7}{(5\,x-6)\,(x-1)\,(x^{2}+x-1)}$$

Sequence: A022311
Score: 8.38666
Type of gen. func.: ogf

$$\{-a(n+3)+2\,a(n+2)-a(n),\ a(0)=0,\ a(1)=6,\ a(2)=7\}$$

Sequence: A022311
Score: 8.6662
Type of gen. func.: ogf

$$(7\,f(x)+36)\,(f(x)\,x^{3}-2\,f(x)\,x+5\,x^{2}+f(x)-6\,x)$$

Sequence: A022312
Score: 16.0649
Type of gen. func.: ogf

$$-\frac{x\,(6\,x-7)}{(x-1)\,(x^{2}+x-1)}$$

Sequence: A022312
Score: 18.4845
Type of gen. func.: lgdogf

3   2

$$-\frac{12 x - 21 x + 8}{(x - 1) (6 x - 7) (x^2 + x - 1)}$$

Sequence: A022312
Score: 8.46431
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 0, a(1) = 7, a(2) = 8\}$$

Sequence: A022312
Score: 8.74645
Type of gen. func.: ogf

$$(8 f(x) + 49) (f(x) x^3 - 2 f(x) x + 6 x^2 + f(x) - 7 x)$$

Sequence: A022313
Score: 16.1386
Type of gen. func.: ogf

$$-\frac{x (7 x - 8)}{(x - 1) (x^2 + x - 1)}$$

Sequence: A022313
Score: 18.5704
Type of gen. func.: lgdogf

$$-\frac{14 x^3 - 24 x^2 + 9}{(7 x - 8) (x - 1) (x^2 + x - 1)}$$

Sequence: A022313
Score: 8.50313
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 0, a(1) = 8, a(2) = 9\}$$

Sequence: A022313
Score: 8.78657
Type of gen. func.: ogf

$$(9 f(x) + 64) (f(x) x^3 - 2 f(x) x + 7 x^2 + f(x) - 8 x)$$

Sequence: A022314
Score: 16.2860
Type of gen. func.: ogf

$$- \frac{x (8 x - 9)}{(x - 1) (x^2 + x - 1)}$$

Sequence: A022314
Score: 18.3065
Type of gen. func.: lgdogf

$$- \frac{16 x^3 - 27 x^2 + 10}{(x - 1) (8 x - 9) (x^2 + x - 1)}$$

Sequence: A022314
Score: 8.48950
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 0, a(1) = 9, a(2) = 10\}$$

Sequence: A022314
Score: 8.76937
Type of gen. func.: ogf

$$(10 f(x) + 81) (f(x) x^3 - 2 f(x) x + 8 x^2 + f(x) - 9 x)$$

Sequence: A022315
Score: 11.5382
Type of gen. func.: ogf

$$x (9 x - 10)$$

$$- \frac{}{(x - 1) (x^2 + x - 1)}$$

Sequence: A022315
Score: 12.8775
Type of gen. func.: lgdogf

$$- \frac{18 x^3 - 30 x^2 + 11}{(9 x - 10) (x - 1) (x^2 + x - 1)}$$

Sequence: A022315
Score: 6.07274
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 0, a(1) = 10, a(2) = 11\}$$

Sequence: A022315
Score: 6.20333
Type of gen. func.: ogf

$$(11 f(x) + 100) (f(x) x^3 - 2 f(x) x + 9 x^2 + f(x) - 10 x)$$

Sequence: A022316
Score: 11.4466
Type of gen. func.: ogf

$$- \frac{x (10 x - 11)}{(x - 1) (x^2 + x - 1)}$$

Sequence: A022316
Score: 12.7439
Type of gen. func.: lgdogf

$$- \frac{20 x^3 - 33 x^2 + 12}{(10 x - 11) (x - 1) (x^2 + x - 1)}$$

Sequence: A022316
Score: 6.14503
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 0, a(1) = 11, a(2) = 12\}$$

Sequence: A022316
Score: 6.2104
Type of gen. func.: ogf

$$(12 f(x) + 121) (f(x) x^3 - 2 f(x) x + 10 x^2 + f(x) - 11 x)$$

Sequence: A022317
Score: 11.5140
Type of gen. func.: ogf

$$-\frac{x (11 x - 12)}{(x - 1) (x^2 + x - 1)}$$

Sequence: A022317
Score: 12.8202
Type of gen. func.: lgdogf

$$-\frac{22 x^3 - 36 x^2 + 13}{(11 x - 12) (x - 1) (x^2 + x - 1)}$$

Sequence: A022317
Score: 6.18118
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 0, a(1) = 12, a(2) = 13\}$$

Sequence: A022317
Score: 6.24693
Type of gen. func.: ogf

$$(13 f(x) + 144) (f(x) x^3 - 2 f(x) x + 11 x^2 + f(x) - 12 x)$$

Sequence: A022318
Score: 10.9857
Type of gen. func.: ogf

$$-\frac{2 x^2 - 2 x - 1}{(x - 1) (x^2 + x - 1)}$$

Sequence: A022318
Score: 11.8413
Type of gen. func.: lgdogf

$$-\frac{(-2 + x) (2 x^3 + x - 2)}{(x - 1) (2 x^2 - 2 x - 1) (x^2 + x - 1)}$$

Sequence: A022318
Score: 5.82244
Type of gen. func.: ogf

$$-(27 f(x) + 101) (f(x) x^3 - 2 f(x) x + 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A022318
Score: 6.19409
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n), a(0) = 1, a(1) = 4, a(2) = 6\}$$

Sequence: A022319
Score: 10.2734
Type of gen. func.: lgdogf

$$-\frac{3 x^4 - 6 x^3 + 3 x^2 - 6 x + 5}{(x - 1) (3 x^2 - 3 x - 1) (x^2 + x - 1)}$$

Sequence: A022319
Score: 11.1165
Type of gen. func.: ogf

$$-\frac{3 x^{2} - 3 x - 1}{(x - 1) (x^{2} + x - 1)}$$

Sequence: A022319
Score: 6.13724
Type of gen. func.: ogf

$$(95 f(x) + 433) (f(x) x^{3} - 2 f(x) x + 3 x^{2} + f(x) - 3 x - 1)$$

Sequence: A022319
Score: 6.26783
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n), a(0) = 1, a(1) = 5, a(2) = 7\}$$

Sequence: A022320
Score: 10.3972
Type of gen. func.: lgdogf

$$-\frac{4 x^{4} - 8 x^{3} + 5 x^{2} - 8 x + 6}{(x - 1) (4 x^{2} - 4 x - 1) (x^{2} + x - 1)}$$

Sequence: A022320
Score: 11.2473
Type of gen. func.: ogf

$$-\frac{4 x^{2} - 4 x - 1}{(x - 1) (x^{2} + x - 1)}$$

Sequence: A022320
Score: 6.08272
Type of gen. func.: ogf

$$(233 f(x) + 1275) (f(x) x^3 - 2 f(x) x + 4 x^2 + f(x) - 4 x - 1)$$

Sequence: A022320
Score: 6.34156
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 1, a(1) = 6, a(2) = 8\}$$

Sequence: A022321
Score: 10.1582
Type of gen. func.: lgdogf

$$-\frac{5 x^4 - 10 x^3 + 7 x^2 - 10 x + 7}{(x - 1) (5 x^2 - 5 x - 1) (x^2 + x - 1)}$$

Sequence: A022321
Score: 11.3781
Type of gen. func.: ogf

$$-\frac{5 x^2 - 5 x - 1}{(x - 1) (x^2 + x - 1)}$$

Sequence: A022321
Score: 6.15345
Type of gen. func.: ogf

$$(474 f(x) + 3041) (f(x) x^3 - 2 f(x) x + 5 x^2 + f(x) - 5 x - 1)$$

Sequence: A022321
Score: 6.41531
Type of gen. func.: ogf

{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 1, a(1) = 7, a(2) = 9}

Sequence: A022322
Score: 10.8203
Type of gen. func.: ogf

$$-\frac{6x^2 - 6x - 1}{(x - 1)(x^2 + x - 1)}$$

Sequence: A022322
Score: 5.85179
Type of gen. func.: ogf

$$(857 f(x) + 6319)(f(x) x^3 - 2 f(x) x + 6 x^2 + f(x) - 6 x - 1)$$

Sequence: A022322
Score: 6.03659
Type of gen. func.: ogf

{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 1, a(1) = 8, a(2) = 10}

Sequence: A022322
Score: 9.65070
Type of gen. func.: lgdogf

$$-\frac{6x^4 - 12x^3 + 9x^2 - 12x + 8}{(x - 1)(6x^2 - 6x - 1)(x^2 + x - 1)}$$

Sequence: A022323
Score: 10.8203
Type of gen. func.: ogf

$$-\frac{7x^2 - 7x - 1}{(x - 1)(x^2 + x - 1)}$$

Sequence: A022323
Score: 5.73476
Type of gen. func.: ogf

$$(1427 f(x) + 11901) (f(x) x^3 - 2 f(x) x + 7 x^2 + f(x) - 7 x - 1)$$

Sequence: A022323
Score: 6.03659
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 1, a(1) = 9, a(2) = 11\}$$

Sequence: A022323
Score: 9.48712
Type of gen. func.: lgdogf

$$-\frac{7 x^4 - 14 x^3 + 11 x^2 - 14 x + 9}{(x - 1) (x^2 + x - 1) (7 x^2 - 7 x - 1)}$$

Sequence: A022324
Score: 11.0147
Type of gen. func.: ogf

$$-\frac{8 x^2 - 8 x - 1}{(x - 1) (x^2 + x - 1)}$$

Sequence: A022324
Score: 5.83778
Type of gen. func.: ogf

$$(2235 f(x) + 20813) (f(x) x^3 - 2 f(x) x + 8 x^2 + f(x) - 8 x - 1)$$

Sequence: A022324
Score: 6.08102

Type of gen. func.: ogf

```
         {a(n + 3) - 2 a(n + 2) + a(n), a(0) = 1, a(1) = 10, a(2) = 12}
```

Sequence: A022324
Score: 9.50071
Type of gen. func.: lgdogf

```
                           4       3       2
                        8 x  - 16 x  + 13 x  - 16 x + 10
                    - -------------------------------------
                                  2              2
                      (x - 1) (8 x  - 8 x - 1) (x  + x - 1)
```

Sequence: A022325
Score: 11.0795
Type of gen. func.: ogf

```
                                     2
                                  9 x  - 9 x - 1
                             - --------------------
                                         2
                               (x - 1) (x  + x - 1)
```

Sequence: A022325
Score: 5.87212
Type of gen. func.: ogf

```
                                   3                 2
        (3338 f(x) + 34345) (f(x) x  - 2 f(x) x + 9 x  + f(x) - 9 x - 1)
```

Sequence: A022325
Score: 6.11679
Type of gen. func.: ogf

```
        {-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 1, a(1) = 11, a(2) = 13}
```

Sequence: A022325
Score: 9.55794
Type of gen. func.: lgdogf

```
                           4       3       2
                        9 x  - 18 x  + 15 x  - 18 x + 11
                    - -------------------------------------
                                  2              2
```

$$(x - 1) (9 x - 9 x - 1) (x + x - 1)$$

Sequence: A022326
Score: 10.7390
Type of gen. func.: ogf

$$-\frac{10 x^{2} - 10 x - 1}{(x - 1) (x^{2} + x - 1)}$$

Sequence: A022326
Score: 5.79065
Type of gen. func.: ogf

$$(4799 f(x) + 54081) (f(x) x^{3} - 2 f(x) x + 10 x^{2} + f(x) - 10 x - 1)$$

Sequence: A022326
Score: 6.15256
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 1, a(1) = 12, a(2) = 14\}$$

Sequence: A022326
Score: 9.15731
Type of gen. func.: lgdogf

$$-\frac{10 x^{4} - 20 x^{3} + 17 x^{2} - 20 x + 12}{(x - 1) (x^{2} + x - 1) (10 x^{2} - 10 x - 1)}$$

Sequence: A022330
Score: 5.18752
Type of gen. func.: ogf

$$- (x^{12} + 2 x^{11} + x^{10} + 2 x^{9} + x^{8} + 2 x^{7} + 2 x^{6} + x^{5} + 2 x^{4} + x^{3} + 2 x^{2} + x + 1) \Big/ ((x + 1) (x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{3})$$

Sequence: A022335
Score: 11.0193
Type of gen. func.: ogf

$$-\frac{x^5 + x^3 + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^3}$$

Sequence: A022335
Score: 7.61903
Type of gen. func.: lgdogf

$$-(4 x^{11} + 2 x^{10} + 8 x^9 + 4 x^8 + 4 x^7 + 13 x^6 + 6 x^5 + 9 x^4 + 4 x^3 + 5 x^2 + 2 x + 2) \Big/ ((x - 1)(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x^5 + x^3 + 1))$$

Sequence: A022343
Score: 4.02139
Type of gen. func.: ogf

$$(165678887 f(x) + 2665440)$$

$$(300 f(x) x^4 - 440 f(x) x^3 + 161 f(x) x^2 - 22 f(x) x + f(x) - 1)$$

Sequence: A022343
Score: 8.90803
Type of gen. func.: lgdogf

$$-\frac{2 (600 x^3 - 660 x^2 + 161 x - 11)}{(x - 1)(6 x - 1)(5 x - 1)(10 x - 1)}$$

Sequence: A022343
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(x - 1)(6 x - 1)(5 x - 1)(10 x - 1)}$$

Sequence: A022345
Score: 13.4206
Type of gen. func.: ogf

$$f(x) x^2 + f(x) x - f(x) + 11 x$$

Sequence: A022345
Score: 15.6437
Type of gen. func.: revogf

$$\frac{-x - 11 + (5 x^2 + 22 x + 121)^{1/2}}{2 x}$$

Sequence: A022345
Score: 21.1904
Type of gen. func.: ogf

$$- \frac{11 x}{x^2 + x - 1}$$

Sequence: A022345
Score: 31.2875
Type of gen. func.: lgdogf

$$- \frac{2 x + 1}{x^2 + x - 1}$$

Sequence: A022345
Score: 9.81994
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 0, a(1) = 11\}$$

Sequence: A022346

Score: 12.0012
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 0, a(1) = 12\}$$

Sequence: A022346
Score: 15.7391
Type of gen. func.: revogf

$$\frac{-x - 12 + (5 x^{2} + 24 x + 144)^{1/2}}{2 x}$$

Sequence: A022346
Score: 16.4016
Type of gen. func.: ogf

$$f(x) x^{2} + f(x) x - f(x) + 12 x$$

Sequence: A022346
Score: 25.8973
Type of gen. func.: ogf

$$-\frac{12 x}{x^{2} + x - 1}$$

Sequence: A022346
Score: 31.4782
Type of gen. func.: lgdogf

$$-\frac{2 x + 1}{x^{2} + x - 1}$$

Sequence: A022347
Score: 15.0206
Type of gen. func.: ogf

$$f(x) x^{2} + f(x) x - f(x) + 13 x$$

Sequence: A022347
Score: 15.3626
Type of gen. func.: ogf

$$-\frac{13 x}{x^2 + x - 1}$$

Sequence: A022347
Score: 15.9299
Type of gen. func.: revogf

$$\frac{-13 - x + (5 x^2 + 26 x + 169)^{1/2}}{2 x}$$

Sequence: A022347
Score: 31.8598
Type of gen. func.: lgdogf

$$-\frac{2 x + 1}{x^2 + x - 1}$$

Sequence: A022347
Score: 7.11924
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 0, a(1) = 13\}$$

Sequence: A022348
Score: 15.4529
Type of gen. func.: ogf

$$-\frac{14 x}{x^2 + x - 1}$$

Sequence: A022348
Score: 16.0253
Type of gen. func.: revogf

$$\frac{-14 - x + (5 x^2 + 28 x + 196)^{1/2}}{2 x}$$

Sequence: A022348
Score: 32.0506
Type of gen. func.: lgdogf

$$- \frac{2 x + 1}{x^2 + x - 1}$$

Sequence: A022348
Score: 7.16112
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 0, a(1) = 14\}$$

Sequence: A022348
Score: 9.78686
Type of gen. func.: ogf

$$f(x) x^2 + f(x) x - f(x) + 14 x$$

Sequence: A022349
Score: 12.1823
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 0, a(1) = 15\}$$

Sequence: A022349
Score: 14.5086
Type of gen. func.: revogf

$$-15 - x + (x^2 + 6 x + 45)^{1/2} 5^{1/2}$$

$$2 x$$

Sequence: A022349
Score: 16.6492
Type of gen. func.: ogf

$$f(x) x^2 + f(x) x - f(x) + 15 x$$

Sequence: A022349
Score: 26.2882
Type of gen. func.: ogf

$$-\frac{15 x}{x^2 + x - 1}$$

Sequence: A022349
Score: 32.2414
Type of gen. func.: lgdogf

$$-\frac{2 x + 1}{x^2 + x - 1}$$

Sequence: A022350
Score: 15.5433
Type of gen. func.: ogf

$$-\frac{16 x}{x^2 + x - 1}$$

Sequence: A022350
Score: 16.1207
Type of gen. func.: revogf

$$\frac{-16 - x + (5 x^2 + 32 x + 256)^{1/2}}{2 x}$$

Sequence: A022350
Score: 32.2414
Type of gen. func.: lgdogf

$$-\frac{2x+1}{x^2+x-1}$$

Sequence: A022350
Score: 7.20300
Type of gen. func.: ogf

$$\{-a(n+2)+a(n+1)+a(n), a(0)=0, a(1)=16\}$$

Sequence: A022350
Score: 9.8441
Type of gen. func.: ogf

$$f(x)\,x^2+f(x)\,x-f(x)+16\,x$$

Sequence: A022351
Score: 15.6337
Type of gen. func.: ogf

$$-\frac{17\,x}{x^2+x-1}$$

Sequence: A022351
Score: 16.2161
Type of gen. func.: revogf

$$\frac{-17-x+(5\,x^2+34\,x+289)^{1/2}}{2\,x}$$

Sequence: A022351
Score: 32.4321
Type of gen. func.: lgdogf

$$-\frac{2x+1}{x^2+x-1}$$

Sequence: A022351
Score: 7.24488
Type of gen. func.: ogf

$$\{-a(n+2)+a(n+1)+a(n), a(0)=0, a(1)=17\}$$

Sequence: A022351
Score: 9.90133
Type of gen. func.: ogf

$$f(x)x^2+f(x)x-f(x)+17x$$

Sequence: A022352
Score: 15.6337
Type of gen. func.: ogf

$$-\frac{18x}{x^2+x-1}$$

Sequence: A022352
Score: 16.2161
Type of gen. func.: revogf

$$\frac{-18-x+(5x^2+36x+324)^{1/2}}{2x}$$

Sequence: A022352
Score: 32.4321
Type of gen. func.: lgdogf

$$-\frac{2x+1}{x^2+x-1}$$

Sequence: A022352
Score: 7.24488
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 0, a(1) = 18\}$$

Sequence: A022352
Score: 9.90133
Type of gen. func.: ogf

$$f(x) x^2 + f(x) x - f(x) + 18 x$$

Sequence: A022353
Score: 15.7241
Type of gen. func.: ogf

$$- \frac{19 x}{x^2 + x - 1}$$

Sequence: A022353
Score: 16.3115
Type of gen. func.: revogf

$$\frac{-19 - x + (5 x^2 + 38 x + 361)^{1/2}}{2 x}$$

Sequence: A022353
Score: 32.6229
Type of gen. func.: lgdogf

$$- \frac{2 x + 1}{x^2 + x - 1}$$

Sequence: A022353

Score: 7.28676
Type of gen. func.: ogf

$$\{-a(n+2)+a(n+1)+a(n), a(0)=0, a(1)=19\}$$

Sequence: A022353
Score: 9.95856
Type of gen. func.: ogf

$$f(x)\,x^2+f(x)\,x-f(x)+19\,x$$

Sequence: A022354
Score: 13.9449
Type of gen. func.: revogf

$$\frac{-20-x+(x^2+8\,x+80)^{1/2}\,5^{1/2}}{2\,x}$$

Sequence: A022354
Score: 14.9474
Type of gen. func.: ogf

$$-\frac{20\,x}{x^2+x-1}$$

Sequence: A022354
Score: 30.9887
Type of gen. func.: lgdogf

$$-\frac{2\,x+1}{x^2+x-1}$$

Sequence: A022354
Score: 6.92683
Type of gen. func.: ogf

$$\{-a(n+2)+a(n+1)+a(n), a(0)=0, a(1)=20\}$$

Sequence: A022354
Score: 9.46667
Type of gen. func.: ogf

$$f(x) x^{2} + f(x) x - f(x) + 20 x$$

Sequence: A022355
Score: 13.3187
Type of gen. func.: ogf

$$f(x) x^{2} + f(x) x - f(x) + 21 x$$

Sequence: A022355
Score: 15.4944
Type of gen. func.: revogf

$$\frac{-21 - x + (5 x^{2} + 42 x + 441)^{1/2}}{2 x}$$

Sequence: A022355
Score: 21.0296
Type of gen. func.: ogf

$$- \frac{21 x}{x^{2} + x - 1}$$

Sequence: A022355
Score: 30.9887
Type of gen. func.: lgdogf

$$- \frac{2 x + 1}{x^{2} + x - 1}$$

Sequence: A022355

Score: 9.74543
Type of gen. func.: ogf

$$\{-a(n+2)+a(n+1)+a(n), a(0)=0, a(1)=21\}$$

Sequence: A022356
Score: 15.0369
Type of gen. func.: ogf

$$-\frac{22 x}{x^2+x-1}$$

Sequence: A022356
Score: 15.5888
Type of gen. func.: revogf

$$\frac{-22-x+(5 x^2+44 x+484)^{1/2}}{2 x}$$

Sequence: A022356
Score: 31.1777
Type of gen. func.: lgdogf

$$-\frac{2 x+1}{x^2+x-1}$$

Sequence: A022356
Score: 6.96832
Type of gen. func.: ogf

$$\{-a(n+2)+a(n+1)+a(n), a(0)=0, a(1)=22\}$$

Sequence: A022356
Score: 9.52335
Type of gen. func.: ogf

$$f(x) x^2+f(x) x-f(x)+22 x$$

Sequence: A022357
Score: 15.0369
Type of gen. func.: ogf

$$-\frac{23 x}{x^2 + x - 1}$$

Sequence: A022357
Score: 15.5888
Type of gen. func.: revogf

$$\frac{-23 - x + (5 x^2 + 46 x + 529)^{1/2}}{2 x}$$

Sequence: A022357
Score: 31.1777
Type of gen. func.: lgdogf

$$-\frac{2 x + 1}{x^2 + x - 1}$$

Sequence: A022357
Score: 6.96832
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 0, a(1) = 23\}$$

Sequence: A022357
Score: 9.52335
Type of gen. func.: ogf

$$f(x) x^2 + f(x) x - f(x) + 23 x$$

Sequence: A022358
Score: 15.1264

Type of gen. func.: ogf

$$-\frac{24x}{x^2+x-1}$$

Sequence: A022358
Score: 15.6833
Type of gen. func.: revogf

$$\frac{-24-x+(5x^2+48x+576)^{1/2}}{2x}$$

Sequence: A022358
Score: 31.3666
Type of gen. func.: lgdogf

$$-\frac{2x+1}{x^2+x-1}$$

Sequence: A022358
Score: 7.00979
Type of gen. func.: ogf

$$\{-a(n+2)+a(n+1)+a(n), a(0)=0, a(1)=24\}$$

Sequence: A022358
Score: 9.58004
Type of gen. func.: ogf

$$f(x)x^2+f(x)x-f(x)+24x$$

Sequence: A022359
Score: 13.4382
Type of gen. func.: ogf

$$f(x)x^2+f(x)x-f(x)+25x$$

Sequence: A022359
Score: 18.9415
Type of gen. func.: revogf

$$\frac{-25 - x + (x^2 + 10\,x + 125)^{1/2}\,5^{1/2}}{2\,x}$$

Sequence: A022359
Score: 21.2182
Type of gen. func.: ogf

$$-\frac{25\,x}{x^2 + x - 1}$$

Sequence: A022359
Score: 44.1967
Type of gen. func.: lgdogf

$$-\frac{2\,x + 1}{x^2 + x - 1}$$

Sequence: A022359
Score: 9.83283
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n),\ a(0) = 0,\ a(1) = 25\}$$

Sequence: A022360
Score: 15.1264
Type of gen. func.: ogf

$$-\frac{26\,x}{x^2 + x - 1}$$

Sequence: A022360
Score: 15.6833
Type of gen. func.: revogf

$$\frac{-26 - x + (5 x^2 + 52 x + 676)^{1/2}}{2 x}$$

Sequence: A022360
Score: 31.3666
Type of gen. func.: lgdogf

$$- \frac{2 x + 1}{x^2 + x - 1}$$

Sequence: A022360
Score: 7.00979
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 0, a(1) = 26\}$$

Sequence: A022360
Score: 9.58004
Type of gen. func.: ogf

$$f(x) x^2 + f(x) x - f(x) + 26 x$$

Sequence: A022361
Score: 15.2159
Type of gen. func.: ogf

$$- \frac{27 x}{x^2 + x - 1}$$

Sequence: A022361
Score: 15.7778
Type of gen. func.: revogf

$$\quad^{2} \qquad\qquad ^{1/2}$$

$$\frac{-27 - x + (5 x + 54 x + 729)}{2 x}$$

Sequence: A022361
Score: 31.5556
Type of gen. func.: lgdogf

$$-\frac{2 x + 1}{x^{2} + x - 1}$$

Sequence: A022361
Score: 7.05127
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 0, a(1) = 27\}$$

Sequence: A022361
Score: 9.63673
Type of gen. func.: ogf

$$f(x) x^{2} + f(x) x - f(x) + 27 x$$

Sequence: A022362
Score: 15.2159
Type of gen. func.: ogf

$$-\frac{28 x}{x^{2} + x - 1}$$

Sequence: A022362
Score: 15.7778
Type of gen. func.: revogf

$$\frac{-28 - x + (5 x^{2} + 56 x + 784)^{1/2}}{2 x}$$

Sequence: A022362
Score: 31.5556
Type of gen. func.: lgdogf

$$-\frac{2 x + 1}{x^2 + x - 1}$$

Sequence: A022362
Score: 7.05127
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 0, a(1) = 28\}$$

Sequence: A022362
Score: 9.63673
Type of gen. func.: ogf

$$f(x) x^2 + f(x) x - f(x) + 28 x$$

Sequence: A022363
Score: 12.8585
Type of gen. func.: ogf

$$f(x) x^2 + f(x) x - f(x) + 29 x$$

Sequence: A022363
Score: 15.7778
Type of gen. func.: revogf

$$\frac{-29 - x + (5 x^2 + 58 x + 841)^{1/2}}{2 x}$$

Sequence: A022363
Score: 20.3029
Type of gen. func.: ogf

$$29 x$$

$$-\frac{}{x^2 + x - 1}$$

Sequence: A022363
Score: 31.5556
Type of gen. func.: lgdogf

$$-\frac{2 x + 1}{x^2 + x - 1}$$

Sequence: A022363
Score: 9.40867
Type of gen. func.: ogf

{-a(n + 2) + a(n + 1) + a(n), a(0) = 0, a(1) = 29}

Sequence: A022364
Score: 13.6048
Type of gen. func.: revogf

$$\frac{-30 - x + (x^2 + 12 x + 180)^{1/2} 5^{1/2}}{2 x}$$

Sequence: A022364
Score: 15.3054
Type of gen. func.: ogf

$$-\frac{30 x}{x^2 + x - 1}$$

Sequence: A022364
Score: 31.7445
Type of gen. func.: lgdogf

$$-\frac{2 x + 1}{x^2 + x - 1}$$

Sequence: A022364
Score: 7.09274
Type of gen. func.: ogf

$$\{-a(n+2)+a(n+1)+a(n),\ a(0)=0,\ a(1)=30\}$$

Sequence: A022364
Score: 9.69341
Type of gen. func.: ogf

$$f(x)\,x^2+f(x)\,x-f(x)+30\,x$$

Sequence: A022365
Score: 15.3054
Type of gen. func.: ogf

$$-\frac{31\,x}{x^2+x-1}$$

Sequence: A022365
Score: 15.8723
Type of gen. func.: revogf

$$\frac{-31-x+(5\,x^2+62\,x+961)^{1/2}}{2\,x}$$

Sequence: A022365
Score: 31.7445
Type of gen. func.: lgdogf

$$-\frac{2\,x+1}{x^2+x-1}$$

Sequence: A022365
Score: 7.09274

Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 0, a(1) = 31\}$$

Sequence: A022365
Score: 9.69341
Type of gen. func.: ogf

$$f(x) x^2 + f(x) x - f(x) + 31 x$$

Sequence: A022366
Score: 15.3949
Type of gen. func.: ogf

$$- \frac{32 x}{x^2 + x - 1}$$

Sequence: A022366
Score: 15.5352
Type of gen. func.: revogf

$$\frac{-x - 32 + (5 x^2 + 64 x + 1024)^{1/2}}{2 x}$$

Sequence: A022366
Score: 31.9335
Type of gen. func.: lgdogf

$$- \frac{2 x + 1}{x^2 + x - 1}$$

Sequence: A022366
Score: 7.13422
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 0, a(1) = 32\}$$

Sequence: A022366
Score: 9.7501
Type of gen. func.: ogf

$$f(x) x^2 + f(x) x - f(x) + 32 x$$

Sequence: A022367
Score: 10.2992
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 2, a(1) = 10\}$$

Sequence: A022367
Score: 15.3137
Type of gen. func.: revogf

$$\frac{-x - 2 + (5 x^2 + 36 x + 4)^{1/2}}{2 (8 + x)}$$

Sequence: A022367
Score: 17.7065
Type of gen. func.: lgdogf

$$- \frac{4 x^2 + 2 x + 5}{(4 x + 1) (x^2 + x - 1)}$$

Sequence: A022367
Score: 18.9963
Type of gen. func.: ogf

$$- \frac{2 (4 x + 1)}{x^2 + x - 1}$$

Sequence: A022367
Score: 9.93992

Type of gen. func.: ogf

$$(7 f(x) + 36) (f(x) x^2 + f(x) x - f(x) + 8 x + 2)$$

Sequence: A022368
Score: 12.7655
Type of gen. func.: ogf

$$-\frac{2 (1 + 5 x)}{x^2 + x - 1}$$

Sequence: A022368
Score: 15.0915
Type of gen. func.: revogf

$$\frac{-x - 2 + (5 x^2 + 44 x + 4)^{1/2}}{2 (x + 10)}$$

Sequence: A022368
Score: 17.9211
Type of gen. func.: lgdogf

$$-\frac{5 x^2 + 2 x + 6}{(1 + 5 x) (x^2 + x - 1)}$$

Sequence: A022368
Score: 6.82804
Type of gen. func.: ogf

$$(f(x) + 7) (f(x) x^2 + f(x) x - f(x) + 10 x + 2)$$

Sequence: A022368
Score: 7.07484
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 2, a(1) = 12\}$$

Sequence: A022369
Score: 12.9148
Type of gen. func.: ogf

$$-\frac{2\ (6\ x + 1)}{x^2 + x - 1}$$

Sequence: A022369
Score: 15.2722
Type of gen. func.: revogf

$$\frac{-x - 2 + (5\ x^2 + 52\ x + 4)^{1/2}}{2\ (x + 12)}$$

Sequence: A022369
Score: 18.1358
Type of gen. func.: lgdogf

$$-\frac{6\ x^2 + 2\ x + 7}{(6\ x + 1)\ (x^2 + x - 1)}$$

Sequence: A022369
Score: 6.8285
Type of gen. func.: ogf

$$(9\ f(x) + 80)\ (f(x)\ x^2 + f(x)\ x - f(x) + 12\ x + 2)$$

Sequence: A022369
Score: 7.15759
Type of gen. func.: ogf

{a(n + 2) - a(n + 1) - a(n), a(0) = 2, a(1) = 14}

Sequence: A022370
Score: 12.9894
Type of gen. func.: ogf

$$-\frac{2\ (7\ x + 1)}{x^{2} + x - 1}$$

Sequence: A022370
Score: 15.3626
Type of gen. func.: revogf

$$\frac{-x - 2 + (5\ x^{2} + 60\ x + 4)^{1/2}}{2\ (14 + x)}$$

Sequence: A022370
Score: 18.2431
Type of gen. func.: lgdogf

$$-\frac{7\ x^{2} + 2\ x + 8}{(7\ x + 1)\ (x^{2} + x - 1)}$$

Sequence: A022370
Score: 6.28962
Type of gen. func.: ogf

$$-(145\ f(x) + 7902)\ (f(x)\ x^{2} + f(x)\ x - f(x) + 14\ x + 2)$$

Sequence: A022370
Score: 7.19896
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n),\ a(0) = 2,\ a(1) = 16\}$$

Sequence: A022371
Score: 13.0641
Type of gen. func.: ogf

$$-\frac{2\,(8\,x+1)}{x^2+x-1}$$

Sequence: A022371
Score: 15.4530
Type of gen. func.: revogf

$$\frac{-x-2+(5\,x^2+68\,x+4)^{1/2}}{2\,(16+x)}$$

Sequence: A022371
Score: 18.3504
Type of gen. func.: lgdogf

$$-\frac{8\,x^2+2\,x+9}{(8\,x+1)\,(x^2+x-1)}$$

Sequence: A022371
Score: 6.75222
Type of gen. func.: ogf

$$(11\,f(x)+140)\,(f(x)\,x^2+f(x)\,x-f(x)+16\,x+2)$$

Sequence: A022371
Score: 7.24034
Type of gen. func.: ogf

$$\{a(n+2)-a(n+1)-a(n),\ a(0)=2,\ a(1)=18\}$$

Sequence: A022372
Score: 12.4218
Type of gen. func.: ogf

$$-\frac{2\,(9\,x+1)}{x^2+x-1}$$

Sequence: A022372
Score: 14.6789
Type of gen. func.: revogf

$$\frac{-x - 2 + (5 x^2 + 76 x + 4)^{1/2}}{2 (18 + x)}$$

Sequence: A022372
Score: 16.9029
Type of gen. func.: lgdogf

$$- \frac{9 x^2 + 2 x + 10}{(9 x + 1) (x^2 + x - 1)}$$

Sequence: A022372
Score: 6.56783
Type of gen. func.: ogf

$$(3 f(x) + 44) (f(x) x^2 + f(x) x - f(x) + 18 x + 2)$$

Sequence: A022372
Score: 6.88436
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 2, a(1) = 20\}$$

Sequence: A022373
Score: 10.0136
Type of gen. func.: ogf

$$(13 f(x) + 216) (f(x) x^2 + f(x) x - f(x) + 20 x + 2)$$

Sequence: A022373
Score: 10.7375
Type of gen. func.: ogf

{a(n + 2) - a(n + 1) - a(n), a(0) = 2, a(1) = 22}

Sequence: A022373
Score: 14.7684
Type of gen. func.: revogf

$$\frac{-x - 2 + (5 x^2 + 84 x + 4)^{1/2}}{2 (20 + x)}$$

Sequence: A022373
Score: 16.0342
Type of gen. func.: lgdogf

$$- \frac{10 x^2 + 2 x + 11}{(10 x + 1) (x^2 + x - 1)}$$

Sequence: A022373
Score: 19.3741
Type of gen. func.: ogf

$$- \frac{2 (10 x + 1)}{x^2 + x - 1}$$

Sequence: A022374
Score: 10.7813
Type of gen. func.: ogf

{a(n + 2) - a(n + 1) - a(n), a(0) = 2, a(1) = 24}

Sequence: A022374
Score: 14.8579
Type of gen. func.: revogf

$$\frac{-x - 2 + (5 x^2 + 92 x + 4)^{1/2}}{2 (22 + x)}$$

Sequence: A022374
Score: 16.1314
Type of gen. func.: lgdogf

$$-\frac{11 x^2 + 2 x + 12}{(11 x + 1) (x^2 + x - 1)}$$

Sequence: A022374
Score: 19.4532
Type of gen. func.: ogf

$$-\frac{2 (11 x + 1)}{x^2 + x - 1}$$

Sequence: A022374
Score: 9.32131
Type of gen. func.: ogf

$$-(313 f(x) + 40846) (f(x) x^2 + f(x) x - f(x) + 22 x + 2)$$

Sequence: A022375
Score: 10.0953
Type of gen. func.: ogf

$$(15 f(x) + 308) (f(x) x^2 + f(x) x - f(x) + 24 x + 2)$$

Sequence: A022375
Score: 10.8251
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 2, a(1) = 26\}$$

Sequence: A022375
Score: 14.5641

Type of gen. func.: revogf

$$\frac{-x - 2 + (5 x^2 + 100 x + 4)^{1/2}}{2 (24 + x)}$$

Sequence: A022375
Score: 16.2286
Type of gen. func.: lgdogf

$$- \frac{12 x^2 + 2 x + 13}{(12 x + 1) (x^2 + x - 1)}$$

Sequence: A022375
Score: 19.5323
Type of gen. func.: ogf

$$- \frac{2 (12 x + 1)}{x^2 + x - 1}$$

Sequence: A022376
Score: 10.3542
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 2, a(1) = 28\}$$

Sequence: A022376
Score: 14.5641
Type of gen. func.: revogf

$$\frac{-x - 2 + (5 x^2 + 108 x + 4)^{1/2}}{2 (26 + x)}$$

Sequence: A022376
Score: 16.2286
Type of gen. func.: lgdogf

$$-\frac{13 x^2 + 2 x + 14}{(13 x + 1) (x^2 + x - 1)}$$

Sequence: A022376
Score: 18.6826
Type of gen. func.: ogf

$$-\frac{2 (13 x + 1)}{x^2 + x - 1}$$

Sequence: A022376
Score: 9.87814
Type of gen. func.: ogf

$$(2 f(x) + 45) (f(x) x^2 + f(x) x - f(x) + 26 x + 2)$$

Sequence: A022377
Score: 12.7175
Type of gen. func.: ogf

$$-\frac{2 (14 x + 1)}{x^2 + x - 1}$$

Sequence: A022377
Score: 14.6513
Type of gen. func.: revogf

$$\frac{-x - 2 + (5 x^2 + 116 x + 4)^{1/2}}{2 (28 + x)}$$

Sequence: A022377
Score: 16.3258
Type of gen. func.: lgdogf

$$14 x^2 + 2 x + 15$$

```
- -----------------------
                 2
(14 x + 1) (x  + x - 1)
```

Sequence: A022377
Score: 6.5731
Type of gen. func.: ogf

$$(17 f(x) + 416) (f(x) x^2 + f(x) x - f(x) + 28 x + 2)$$

Sequence: A022377
Score: 7.04826
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 2, a(1) = 30\}$$

Sequence: A022378
Score: 12.8654
Type of gen. func.: ogf

$$-\frac{2 (15 x + 1)}{x^2 + x - 1}$$

Sequence: A022378
Score: 14.8257
Type of gen. func.: revogf

$$\frac{-x - 2 + (5 x^2 + 124 x + 4)^{1/2}}{2 (30 + x)}$$

Sequence: A022378
Score: 16.5201
Type of gen. func.: lgdogf

$$-\frac{15 x^2 + 2 x + 16}{(15 x + 1) (x^2 + x - 1)}$$

Sequence: A022378
Score: 6.10112
Type of gen. func.: ogf

$$-(545 f(x) + 129982) (f(x) x^2 + f(x) x - f(x) + 30 x + 2)$$

Sequence: A022378
Score: 7.13023
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 2, a(1) = 32\}$$

Sequence: A022379
Score: 10.3361
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 3, a(1) = 9\}$$

Sequence: A022379
Score: 15.1281
Type of gen. func.: revogf

$$\frac{-3 - x + (5 x^2 + 30 x + 9)^{1/2}}{2 (6 + x)}$$

Sequence: A022379
Score: 17.4919
Type of gen. func.: lgdogf

$$- \frac{2 x^2 + 2 x + 3}{(2 x + 1) (x^2 + x - 1)}$$

Sequence: A022379
Score: 18.8346
Type of gen. func.: ogf

$$-\frac{3\,(2\,x+1)}{x^2+x-1}$$

Sequence: A022379
Score: 9.21258
Type of gen. func.: ogf

$$-(25\,f(x)+168)\,(f(x)\,x^2+f(x)\,x-f(x)+6\,x+3)$$

Sequence: A022380
Score: 13.1255
Type of gen. func.: ogf

$$-\frac{3\,(3\,x+1)}{x^2+x-1}$$

Sequence: A022380
Score: 15.5922
Type of gen. func.: revogf

$$\frac{-3-x+(5\,x^2+42\,x+9)^{1/2}}{2\,(9+x)}$$

Sequence: A022380
Score: 18.0284
Type of gen. func.: lgdogf

$$-\frac{3\,x^2+2\,x+4}{(3\,x+1)\,(x^2+x-1)}$$

Sequence: A022380
Score: 7.11622
Type of gen. func.: ogf

{a(n + 2) - a(n + 1) - a(n), a(0) = 3, a(1) = 12}

Sequence: A022380
Score: 8.03818
Type of gen. func.: ogf

$$-(41 f(x) + 645) (f(x) x^2 + f(x) x - f(x) + 9 x + 3)$$

Sequence: A022381
Score: 12.9894
Type of gen. func.: ogf

$$-\frac{3 (4 x + 1)}{x^2 + x - 1}$$

Sequence: A022381
Score: 15.3626
Type of gen. func.: revogf

$$\frac{-3 - x + (5 x^2 + 54 x + 9)^{1/2}}{2 (x + 12)}$$

Sequence: A022381
Score: 18.2431
Type of gen. func.: lgdogf

$$-\frac{4 x^2 + 2 x + 5}{(4 x + 1) (x^2 + x - 1)}$$

Sequence: A022381
Score: 6.86797
Type of gen. func.: ogf

$$(7 f(x) + 54) (f(x) x^2 + f(x) x - f(x) + 12 x + 3)$$

Sequence: A022381
Score: 7.19896
Type of gen. func.: ogf

$$\{a(n+2) - a(n+1) - a(n),\ a(0) = 3,\ a(1) = 15\}$$

Sequence: A022382
Score: 15.0915
Type of gen. func.: revogf

$$\frac{-4 - x + (5 x^2 + 32 x + 16)^{1/2}}{2 (6 + x)}$$

Sequence: A022382
Score: 17.9211
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 4 x + 5}{(3 x + 2) (x^2 + x - 1)}$$

Sequence: A022382
Score: 18.2151
Type of gen. func.: ogf

$$-\frac{2 (3 x + 2)}{x^2 + x - 1}$$

Sequence: A022382
Score: 9.53114
Type of gen. func.: ogf

$$(9 f(x) + 14) (f(x) x^2 + f(x) x - f(x) + 6 x + 4)$$

Sequence: A022382
Score: 9.87565
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 4, a(1) = 10\}$$

Sequence: A022383
Score: 16.2310
Type of gen. func.: ogf

$$-\frac{2 (5 x + 2)}{x^2 + x - 1}$$

Sequence: A022383
Score: 18.7795
Type of gen. func.: revogf

$$\frac{-4 - x + (5 x^2 + 48 x + 16)^{1/2}}{2 (x + 10)}$$

Sequence: A022383
Score: 22.8876
Type of gen. func.: lgdogf

$$-\frac{5 x^2 + 4 x + 7}{(5 x + 2) (x^2 + x - 1)}$$

Sequence: A022383
Score: 8.48435
Type of gen. func.: ogf

$$(11 f(x) + 54) (f(x) x^2 + f(x) x - f(x) + 10 x + 4)$$

Sequence: A022383
Score: 8.99547
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 4, a(1) = 14\}$$

Sequence: A022384
Score: 10.1802
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 4, a(1) = 18\}$$

Sequence: A022384
Score: 14.3025
Type of gen. func.: revogf

$$\frac{-4 - x + (5 x^2 + 64 x + 16)^{1/2}}{2 (14 + x)}$$

Sequence: A022384
Score: 17.4311
Type of gen. func.: lgdogf

$$-\frac{7 x^2 + 4 x + 9}{(7 x + 2) (x^2 + x - 1)}$$

Sequence: A022384
Score: 18.3686
Type of gen. func.: ogf

$$-\frac{2 (7 x + 2)}{x^2 + x - 1}$$

Sequence: A022384
Score: 9.49387
Type of gen. func.: ogf

$$(13 f(x) + 110) (f(x) x^2 + f(x) x - f(x) + 14 x + 4)$$

Sequence: A022385
Score: 10.0545
Type of gen. func.: ogf

$$(15 f(x) + 182) (f(x) x^2 + f(x) x - f(x) + 18 x + 4)$$

Sequence: A022385
Score: 10.7813
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 4, a(1) = 22\}$$

Sequence: A022385
Score: 14.4769
Type of gen. func.: revogf

$$\frac{-4 - x + (5 x^2 + 80 x + 16)^{1/2}}{2 (18 + x)}$$

Sequence: A022385
Score: 17.1091
Type of gen. func.: lgdogf

$$- \frac{9 x^2 + 4 x + 11}{(9 x + 2) (x^2 + x - 1)}$$

Sequence: A022385
Score: 19.4532
Type of gen. func.: ogf

$$- \frac{2 (9 x + 2)}{x^2 + x - 1}$$

Sequence: A022386
Score: 10.3542
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 4, a(1) = 26\}$$

Sequence: A022386
Score: 18.6826
Type of gen. func.: ogf

$$-\frac{2\,(11\,x+2)}{x^2+x-1}$$

Sequence: A022386
Score: 19.5088
Type of gen. func.: revogf

$$\frac{-4-x+(5\,x^2+96\,x+16)^{1/2}}{2\,(22+x)}$$

Sequence: A022386
Score: 21.7384
Type of gen. func.: lgdogf

$$-\frac{11\,x^2+4\,x+13}{(11\,x+2)\,(x^2+x-1)}$$

Sequence: A022386
Score: 9.65616
Type of gen. func.: ogf

$$(17\,f(x)+270)\,(f(x)\,x^2+f(x)\,x-f(x)+22\,x+4)$$

Sequence: A022387
Score: 10.4412
Type of gen. func.: ogf

$$\{a(n+2)-a(n+1)-a(n),\ a(0)=4,\ a(1)=30\}$$

Sequence: A022387
Score: 14.3701
Type of gen. func.: revogf

$$\frac{-4 - x + (5 x^2 + 112 x + 16)^{1/2}}{2 (26 + x)}$$

Sequence: A022387
Score: 16.4229
Type of gen. func.: lgdogf

$$-\frac{13 x^2 + 4 x + 15}{(13 x + 2) (x^2 + x - 1)}$$

Sequence: A022387
Score: 18.8396
Type of gen. func.: ogf

$$-\frac{2 (13 x + 2)}{x^2 + x - 1}$$

Sequence: A022387
Score: 9.73731
Type of gen. func.: ogf

$$(19 f(x) + 374) (f(x) x^2 + f(x) x - f(x) + 26 x + 4)$$

Sequence: A022388
Score: 10.5275
Type of gen. func.: ogf

$$(25 f(x) + 19) (f(x) x^2 + f(x) x - f(x) + 7 x + 6)$$

Sequence: A022388
Score: 11.0348
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 6, a(1) = 13\}$$

Sequence: A022388
Score: 20.3531
Type of gen. func.: ogf

$$-\frac{7x+6}{x^2+x-1}$$

Sequence: A022388
Score: 20.3695
Type of gen. func.: revogf

$$\frac{-6-x+(5x^2+40x+36)^{1/2}}{2(7+x)}$$

Sequence: A022388
Score: 22.7659
Type of gen. func.: lgdogf

$$-\frac{7x^2+12x+13}{(7x+6)(x^2+x-1)}$$

Sequence: A022389
Score: 17.6787
Type of gen. func.: ogf

$$-\frac{8x+7}{x^2+x-1}$$

Sequence: A022389
Score: 20.5581
Type of gen. func.: revogf

$$\frac{-7-x+(5x^2+46x+49)^{1/2}}{2(8+x)}$$

Sequence: A022389
Score: 22.9767
Type of gen. func.: lgdogf

$$-\frac{8 x^{2} + 14 x + 15}{(8 x + 7) (x^{2} + x - 1)}$$

Sequence: A022389
Score: 9.14415
Type of gen. func.: ogf

$$(29 f(x) + 22) (f(x) x^{2} + f(x) x - f(x) + 8 x + 7)$$

Sequence: A022389
Score: 9.58483
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 7, a(1) = 15\}$$

Sequence: A022390
Score: 12.9264
Type of gen. func.: ogf

$$(33 f(x) + 25) (f(x) x^{2} + f(x) x - f(x) + 9 x + 8)$$

Sequence: A022390
Score: 13.5494
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 8, a(1) = 17\}$$

Sequence: A022390
Score: 20.8410
Type of gen. func.: revogf

2 1/2

$$\frac{-8 - x + (5 x + 52 x + 64)}{2 (9 + x)}$$

Sequence: A022390
Score: 23.2929
Type of gen. func.: lgdogf

$$- \frac{9 x^{2} + 16 x + 17}{(9 x + 8) (x^{2} + x - 1)}$$

Sequence: A022390
Score: 24.9911
Type of gen. func.: ogf

$$- \frac{9 x + 8}{x^{2} + x - 1}$$

Sequence: A022391
Score: 10.0136
Type of gen. func.: ogf

$$(23 f(x) + 418) (f(x) x^{2} + f(x) x - f(x) + 20 x + 1)$$

Sequence: A022391
Score: 10.7375
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 21\}$$

Sequence: A022391
Score: 14.7684
Type of gen. func.: revogf

$$\frac{-x - 1 + (5 x^{2} + 82 x + 1)^{1/2}}{2 (20 + x)}$$

Sequence: A022391
Score: 16.0342
Type of gen. func.: lgdogf

$$-\frac{20 x^2 + 2 x + 21}{(20 x + 1) (x^2 + x - 1)}$$

Sequence: A022391
Score: 19.3741
Type of gen. func.: ogf

$$-\frac{20 x + 1}{x^2 + x - 1}$$

Sequence: A022392
Score: 10.1274
Type of gen. func.: ogf

$$(6 f(x) + 115) (f(x) x^2 + f(x) x - f(x) + 21 x + 1)$$

Sequence: A022392
Score: 10.7375
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 22\}$$

Sequence: A022392
Score: 14.7684
Type of gen. func.: revogf

$$\frac{-x - 1 + (5 x^2 + 86 x + 1)^{1/2}}{2 (21 + x)}$$

Sequence: A022392
Score: 16.0342

Type of gen. func.: lgdogf

$$-\frac{21 x^2 + 2 x + 22}{(21 x + 1) (x^2 + x - 1)}$$

Sequence: A022392
Score: 19.3741
Type of gen. func.: ogf

$$-\frac{21 x + 1}{x^2 + x - 1}$$

Sequence: A022393
Score: 10.0136
Type of gen. func.: ogf

$$(25 f(x) + 504) (f(x) x^2 + f(x) x - f(x) + 22 x + 1)$$

Sequence: A022393
Score: 10.7375
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 23\}$$

Sequence: A022393
Score: 14.7684
Type of gen. func.: revogf

$$\frac{-x - 1 + (5 x^2 + 90 x + 1)^{1/2}}{2 (22 + x)}$$

Sequence: A022393
Score: 16.0342
Type of gen. func.: lgdogf

$$22 x^2 + 2 x + 23$$

$$-\frac{\qquad}{(22 x + 1) (x^2 + x - 1)}$$

Sequence: A022393
Score: 19.3741
Type of gen. func.: ogf

$$-\frac{22 x + 1}{x^2 + x - 1}$$

Sequence: A022394
Score: 10.0545
Type of gen. func.: ogf

$$(13 f(x) + 275) (f(x) x^2 + f(x) x - f(x) + 23 x + 1)$$

Sequence: A022394
Score: 10.7813
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 24\}$$

Sequence: A022394
Score: 14.8579
Type of gen. func.: revogf

$$\frac{-x - 1 + (5 x^2 + 94 x + 1)^{1/2}}{2 (23 + x)}$$

Sequence: A022394
Score: 16.1314
Type of gen. func.: lgdogf

$$-\frac{23 x^2 + 2 x + 24}{(23 x + 1) (x^2 + x - 1)}$$

Sequence: A022394
Score: 19.4532
Type of gen. func.: ogf

$$-\frac{23 x + 1}{x^2 + x - 1}$$

Sequence: A022395
Score: 10.0545
Type of gen. func.: ogf

$$(27 f(x) + 598) (f(x) x^2 + f(x) x - f(x) + 24 x + 1)$$

Sequence: A022395
Score: 10.7813
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 25\}$$

Sequence: A022395
Score: 14.8579
Type of gen. func.: revogf

$$\frac{-x - 1 + (5 x^2 + 98 x + 1)^{1/2}}{2 (24 + x)}$$

Sequence: A022395
Score: 16.1314
Type of gen. func.: lgdogf

$$-\frac{24 x^2 + 2 x + 25}{(24 x + 1) (x^2 + x - 1)}$$

Sequence: A022395
Score: 19.4532

Type of gen. func.: ogf

$$-\frac{24x+1}{x^2+x-1}$$

Sequence: A022396
Score: 10.21
Type of gen. func.: ogf

$$(7 f(x) + 162) (f(x) x^2 + f(x) x - f(x) + 25 x + 1)$$

Sequence: A022396
Score: 10.8251
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 26\}$$

Sequence: A022396
Score: 14.5641
Type of gen. func.: revogf

$$\frac{-x - 1 + (5 x^2 + 102 x + 1)^{1/2}}{2 (25 + x)}$$

Sequence: A022396
Score: 16.2286
Type of gen. func.: lgdogf

$$-\frac{25 x^2 + 2 x + 26}{(25 x + 1) (x^2 + x - 1)}$$

Sequence: A022396
Score: 19.5323
Type of gen. func.: ogf

$$-\frac{25x+1}{}$$

$$x^2 + x - 1$$

Sequence: A022397
Score: 10.0953
Type of gen. func.: ogf

$$(29 f(x) + 700) (f(x) x^2 + f(x) x - f(x) + 26 x + 1)$$

Sequence: A022397
Score: 10.8251
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 27\}$$

Sequence: A022397
Score: 14.5641
Type of gen. func.: revogf

$$\frac{-x - 1 + (5 x^2 + 106 x + 1)^{1/2}}{2 (26 + x)}$$

Sequence: A022397
Score: 16.2286
Type of gen. func.: lgdogf

$$- \frac{26 x^2 + 2 x + 27}{(26 x + 1) (x^2 + x - 1)}$$

Sequence: A022397
Score: 19.5323
Type of gen. func.: ogf

$$- \frac{26 x + 1}{x^2 + x - 1}$$

Sequence: A022398
Score: 10.3542
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 28\}$$

Sequence: A022398
Score: 14.5641
Type of gen. func.: revogf

$$\frac{-x - 1 + (5 x^2 + 110 x + 1)^{1/2}}{2 (27 + x)}$$

Sequence: A022398
Score: 16.2286
Type of gen. func.: lgdogf

$$- \frac{27 x^2 + 2 x + 28}{(27 x + 1) (x^2 + x - 1)}$$

Sequence: A022398
Score: 18.6826
Type of gen. func.: ogf

$$- \frac{27 x + 1}{x^2 + x - 1}$$

Sequence: A022398
Score: 9.65616
Type of gen. func.: ogf

$$(15 f(x) + 377) (f(x) x^2 + f(x) x - f(x) + 27 x + 1)$$

Sequence: A022399
Score: 10.3977
Type of gen. func.: ogf

{a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 29}

Sequence: A022399
Score: 14.6513
Type of gen. func.: revogf

$$\frac{-x - 1 + (5 x^2 + 114 x + 1)^{1/2}}{2 (28 + x)}$$

Sequence: A022399
Score: 16.3258
Type of gen. func.: lgdogf

$$- \frac{28 x^2 + 2 x + 29}{(28 x + 1) (x^2 + x - 1)}$$

Sequence: A022399
Score: 18.7611
Type of gen. func.: ogf

$$- \frac{28 x + 1}{x^2 + x - 1}$$

Sequence: A022399
Score: 9.69673
Type of gen. func.: ogf

$$(31 f(x) + 810) (f(x) x^2 + f(x) x - f(x) + 28 x + 1)$$

Sequence: A022400
Score: 10.3977
Type of gen. func.: ogf

{a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 30}

Sequence: A022400
Score: 14.6513
Type of gen. func.: revogf

$$\frac{-x - 1 + (5 x^2 + 118 x + 1)^{1/2}}{2 (29 + x)}$$

Sequence: A022400
Score: 16.3258
Type of gen. func.: lgdogf

$$- \frac{29 x^2 + 2 x + 30}{(29 x + 1) (x^2 + x - 1)}$$

Sequence: A022400
Score: 18.7611
Type of gen. func.: ogf

$$- \frac{29 x + 1}{x^2 + x - 1}$$

Sequence: A022400
Score: 9.80692
Type of gen. func.: ogf

$$(8 f(x) + 217) (f(x) x^2 + f(x) x - f(x) + 29 x + 1)$$

Sequence: A022401
Score: 12.7915
Type of gen. func.: ogf

$$- \frac{30 x + 1}{x^2 + x - 1}$$

Sequence: A022401
Score: 14.7385
Type of gen. func.: revogf

$$\frac{-x - 1 + (5 x^2 + 122 x + 1)^{1/2}}{2 (30 + x)}$$

Sequence: A022401
Score: 16.4229
Type of gen. func.: lgdogf

$$- \frac{30 x^2 + 2 x + 31}{(30 x + 1) (x^2 + x - 1)}$$

Sequence: A022401
Score: 6.61132
Type of gen. func.: ogf

$$(33 f(x) + 928) (f(x) x^2 + f(x) x - f(x) + 30 x + 1)$$

Sequence: A022401
Score: 7.08925
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 31\}$$

Sequence: A022402
Score: 10.4412
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 32\}$$

Sequence: A022402
Score: 14.7385
Type of gen. func.: revogf

$$-x - 1 + (5 x^2 + 126 x + 1)^{1/2}$$

$$\overline{\qquad\qquad}$$
$$2 (31 + x)$$

Sequence: A022402
Score: 16.4229
Type of gen. func.: lgdogf

$$-\frac{31 x^2 + 2 x + 32}{(31 x + 1) (x^2 + x - 1)}$$

Sequence: A022402
Score: 18.8396
Type of gen. func.: ogf

$$-\frac{31 x + 1}{x^2 + x - 1}$$

Sequence: A022402
Score: 9.73731
Type of gen. func.: ogf

$$(17 f(x) + 495) (f(x) x^2 + f(x) x - f(x) + 31 x + 1)$$

Sequence: A022403
Score: 10.0345
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n), a(0) = 3, a(1) = 3, a(2) = 7\}$$

Sequence: A022403
Score: 10.5898
Type of gen. func.: lgdogf

$$-\frac{x^4 - 6 x^3 + 11 x^2 - 2 x - 3}{(x - 1) (x^2 - 3 x + 3) (x^2 + x - 1)}$$

Sequence: A022403
Score: 17.7971
Type of gen. func.: ogf

$$\frac{x^2 - 3 x + 3}{(x - 1) (x^2 + x - 1)}$$

Sequence: A022403
Score: 9.92892
Type of gen. func.: ogf

$$(15 f(x) + 43) (f(x) x^3 - 2 f(x) x - x^2 + f(x) + 3 x - 3)$$

Sequence: A022406
Score: 14.5774
Type of gen. func.: lgdogf

$$- \frac{3 x^4 - 2 x^3 - 3 x^2 - 6 x + 7}{(x - 1) (x^2 + x - 1) (3 x^2 - x - 3)}$$

Sequence: A022406
Score: 15.1250
Type of gen. func.: ogf

$$- \frac{3 x^2 - x - 3}{(x - 1) (x^2 + x - 1)}$$

Sequence: A022406
Score: 8.43814
Type of gen. func.: ogf

$$(14 f(x) + 99) (f(x) x^3 - 2 f(x) x + 3 x^2 + f(x) - x - 3)$$

Sequence: A022406
Score: 8.43815
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n), a(0) = 3, a(1) = 7, a(2) = 11\}$$

Sequence: A022407
Score: 13.1680
Type of gen. func.: lgdogf

$$- \frac{4 x^{4} - 4 x^{3} - x^{2} - 8 x + 8}{(x - 1) (4 x^{2} - 2 x - 3) (x^{2} + x - 1)}$$

Sequence: A022407
Score: 13.6847
Type of gen. func.: ogf

$$- \frac{4 x^{2} - 2 x - 3}{(x - 1) (x^{2} + x - 1)}$$

Sequence: A022407
Score: 6.97395
Type of gen. func.: ogf

$$-(2691 f(x) + 22135) (f(x) x^{3} - 2 f(x) x + 4 x^{2} + f(x) - 2 x - 3)$$

Sequence: A022407
Score: 7.63464
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 3, a(1) = 8, a(2) = 12\}$$

Sequence: A022408
Score: 10.3020
Type of gen. func.: lgdogf

4   3   2

$$-\frac{5 x - 6 x + x - 10 x + 9}{(x - 1) (5 x^2 - 3 x - 3) (x^2 + x - 1)}$$

Sequence: A022408
Score: 16.9353
Type of gen. func.: ogf

$$-\frac{5 x^2 - 3 x - 3}{(x - 1) (x^2 + x - 1)}$$

Sequence: A022408
Score: 8.79973
Type of gen. func.: ogf

$$-(471 f(x) + 3964) (f(x) x^3 - 2 f(x) x + 5 x^2 + f(x) - 3 x - 3)$$

Sequence: A022408
Score: 9.44813
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n), a(0) = 3, a(1) = 9, a(2) = 13\}$$

Sequence: A022409
Score: 17.1427
Type of gen. func.: ogf

$$-\frac{6 x^2 - 4 x - 3}{(x - 1) (x^2 + x - 1)}$$

Sequence: A022409
Score: 9.27105
Type of gen. func.: ogf

$$(457 f(x) + 4272) (f(x) x^3 - 2 f(x) x + 6 x^2 + f(x) - 4 x - 3)$$

Sequence: A022409
Score: 9.46420
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n), a(0) = 3, a(1) = 10, a(2) = 14\}$$

Sequence: A022409
Score: 9.94673
Type of gen. func.: lgdogf

$$-\frac{6 x^4 - 8 x^3 + 3 x^2 - 12 x + 10}{(x - 1) (6 x^2 - 4 x - 3) (x^2 + x - 1)}$$

Sequence: A022410
Score: 14.7398
Type of gen. func.: ogf

$$-\frac{7 x^2 - 5 x - 3}{(x - 1) (x^2 + x - 1)}$$

Sequence: A022410
Score: 7.9715
Type of gen. func.: ogf

$$(395 f(x) + 4071) (f(x) x^3 - 2 f(x) x + 7 x^2 + f(x) - 5 x - 3)$$

Sequence: A022410
Score: 8.13757
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 3, a(1) = 11, a(2) = 15\}$$

Sequence: A022410
Score: 9.77814
Type of gen. func.: lgdogf

$$-\frac{7x^4-10x^3+5x^2-14x+11}{(x-1)(7x^2-5x-3)(x^2+x-1)}$$

Sequence: A022411
Score: 17.2118
Type of gen. func.: ogf

$$-\frac{8x^2-6x-3}{(x-1)(x^2+x-1)}$$

Sequence: A022411
Score: 9.12227
Type of gen. func.: ogf

$$(1263 f(x) + 14243) (f(x) x^3 - 2 f(x) x + 8 x^2 + f(x) - 6 x - 3)$$

Sequence: A022411
Score: 9.50235
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n), a(0) = 3, a(1) = 12, a(2) = 16\}$$

Sequence: A022411
Score: 9.83634
Type of gen. func.: lgdogf

$$-\frac{8x^4-12x^3+7x^2-16x+12}{(x-1)(8x^2-6x-3)(x^2+x-1)}$$

Sequence: A022412
Score: 3.26632
Type of gen. func.: ogf

$$(703192654599087721 f(x) + 10255924731888000)$$

$$(330 f(x) x^4 - 481 f(x) x^3 + 173 f(x) x^2 - 23 f(x) x + f(x) - 1)$$

Sequence: A022412
Score: 9.15734
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (6 x - 1) (5 x - 1) (11 x - 1)}$$

Sequence: A022448
Score: 13.2668
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (6 x - 1) (5 x - 1) (12 x - 1)}$$

Sequence: A022448
Score: 5.08864
Type of gen. func.: ogf

$$(1526899588361 f(x) + 20365344000)$$

$$(360 f(x) x^4 - 522 f(x) x^3 + 185 f(x) x^2 - 24 f(x) x + f(x) - 1)$$

Sequence: A022448
Score: 8.36029
Type of gen. func.: lgdogf

$$- \frac{2 (720 x^3 - 783 x^2 + 185 x - 12)}{(x - 1) (6 x - 1) (5 x - 1) (12 x - 1)}$$

Sequence: A022452
Score: 3.50574
Type of gen. func.: ogf

$$(74959516959952097 f(x) + 1293239472896000)$$

$$(280 f(x) x^4 - 411 f(x) x^3 + 151 f(x) x^2 - 21 f(x) x + f(x) - 1)$$

Sequence: A022452
Score: 8.71849
Type of gen. func.: lgdogf

$$-\frac{1120 x^3 - 1233 x^2 + 302 x - 21}{(x - 1) (8 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A022452
Score: 9.70339
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (8 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A022453
Score: 3.55738
Type of gen. func.: ogf

$$(126216784502207993 f(x) + 1927642547431125)$$

$$(315 f(x) x^4 - 458 f(x) x^3 + 164 f(x) x^2 - 22 f(x) x + f(x) - 1)$$

Sequence: A022453
Score: 9.05649
Type of gen. func.: lgdogf

$$-\frac{2 (630 x^3 - 687 x^2 + 164 x - 11)}{(x - 1) (9 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A022453
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (9 x - 1) (7 x - 1) (5 x - 1)}$$

```
Sequence:  A022454
Score: 3.80104
Type of gen. func.: ogf


(2668855192201 f(x) + 36558531520)

               4              3              2
    (350 f(x) x  - 505 f(x) x  + 177 f(x) x  - 23 f(x) x + f(x) - 1)



------------------------------------------------------------------------------

Sequence:  A022454
Score: 8.90803
Type of gen. func.: lgdogf


                                3         2
                          1400 x  - 1515 x  + 354 x - 23
                    - --------------------------------------
                      (x - 1) (7 x - 1) (5 x - 1) (10 x - 1)



------------------------------------------------------------------------------

Sequence:  A022454
Score: 9.90984
Type of gen. func.: ogf


                                       1
                     --------------------------------------
                     (x - 1) (7 x - 1) (5 x - 1) (10 x - 1)



------------------------------------------------------------------------------

Sequence:  A022455
Score: 3.36674
Type of gen. func.: ogf


(41901365158174411 f(x) + 520291200380875)

               4              3              2
    (385 f(x) x  - 552 f(x) x  + 190 f(x) x  - 24 f(x) x + f(x) - 1)



------------------------------------------------------------------------------

Sequence:  A022455
Score: 8.59567
Type of gen. func.: lgdogf


                                  3        2
                          4 (385 x  - 414 x  + 95 x - 6)
                    - --------------------------------------
                      (x - 1) (7 x - 1) (5 x - 1) (11 x - 1)



------------------------------------------------------------------------------

Sequence:  A022455
```

Score: 9.25852
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (7 x - 1) (5 x - 1) (11 x - 1)}$$

Sequence: A022456
Score: 3.31737
Type of gen. func.: ogf

$$(3667629740722625759 f(x) + 41643587226528000)$$

$$(420 f(x) x^4 - 599 f(x) x^3 + 203 f(x) x^2 - 25 f(x) x + f(x) - 1)$$

Sequence: A022456
Score: 8.40674
Type of gen. func.: lgdogf

$$- \frac{1680 x^3 - 1797 x^2 + 406 x - 25}{(x - 1) (7 x - 1) (5 x - 1) (12 x - 1)}$$

Sequence: A022456
Score: 9.35971
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (7 x - 1) (5 x - 1) (12 x - 1)}$$

Sequence: A022469
Score: 13.8634
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (9 x - 1) (8 x - 1) (5 x - 1)}$$

Sequence: A022469
Score: 4.91363
Type of gen. func.: ogf

$(1259409615829321693 f(x) + 16741216588032000)$

$$(360 f(x) x^4 - 517 f(x) x^3 + 179 f(x) x^2 - 23 f(x) x + f(x) - 1)$$

Sequence: A022469
Score: 8.90803
Type of gen. func.: lgdogf

$$- \frac{1440 x^3 - 1551 x^2 + 358 x - 23}{(x - 1) (9 x - 1) (8 x - 1) (5 x - 1)}$$

Sequence: A022521
Score: 5.78453
Type of gen. func.: ogf

$$- \frac{x^4 + 26 x^3 + 66 x^2 + 26 x + 1}{(x - 1)^5}$$

Sequence: A022521
Score: 8.78891
Type of gen. func.: lgdogf

$$- \frac{x^4 + 56 x^3 + 276 x^2 + 236 x + 31}{(x - 1) (x^4 + 26 x^3 + 66 x^2 + 26 x + 1)}$$

Sequence: A022522
Score: 6.60064
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + 56 x^3 + 246 x^2 + 56 x + 1)}{(x - 1)^6}$$

Sequence: A022522
Score: 9.44778
Type of gen. func.: lgdogf

$$-\frac{x^5 + 119 x^4 + 1134 x^3 + 2114 x^2 + 889 x + 63}{(x - 1) (x + 1) (x^4 + 56 x^3 + 246 x^2 + 56 x + 1)}$$

Sequence: A022523
Score: 5.36154
Type of gen. func.: ogf

$$-\frac{x^6 + 120 x^5 + 1191 x^4 + 2416 x^3 + 1191 x^2 + 120 x + 1}{(x - 1)^7}$$

Sequence: A022523
Score: 6.86381
Type of gen. func.: lgdogf

$$-\frac{x^6 + 246 x^5 + 4173 x^4 + 14428 x^3 + 13203 x^2 + 3102 x + 127}{(x - 1) (x^6 + 120 x^5 + 1191 x^4 + 2416 x^3 + 1191 x^2 + 120 x + 1)}$$

Sequence: A022524
Score: 4.63205
Type of gen. func.: ogf

$$\frac{(x + 1) (x^6 + 246 x^5 + 4047 x^4 + 11572 x^3 + 4047 x^2 + 246 x + 1)}{(x - 1)^8}$$

Sequence: A022525
Score: 3.86161
Type of gen. func.: ogf

$$- (x^8 + 502 x^7 + 14608 x^6 + 88234 x^5 + 156190 x^4 + 88234 x^3 + 14608 x^2 + 502 x + 1) \Big/ (x - 1)^9$$

Sequence: A022526
Score: 3.31183
Type of gen. func.: ogf

$$(x + 1) (x^8 + 1012 x^7 + 46828 x^6 + 408364 x^5 + 901990 x^4 + 408364 x^3 + 46828 x^2 + 1012 x + 1) / (x - 1)^{10}$$

Sequence: A022558
Score: 4.98820
Type of gen. func.: ogf

$$\{(8 n + 20) a(n + 1) + (7 n - 1) a(n + 2) + (-n - 3) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A022558
Score: 5.83889
Type of gen. func.: ogf

$$f(x)^2 x^3 + 3 f(x)^2 x^2 + 3 f(x)^2 x + 8 f(x) x^2 + f(x)^2 - 20 f(x) x - f(x) + 16 x$$

Sequence: A022565
Score: 3.57144
Type of gen. func.: ogf

$$(17337385439 f(x) + 206689280) (400 f(x) x^4 - 570 f(x) x^3 + 193 f(x) x^2 - 24 f(x) x + f(x) - 1)$$

Sequence: A022565
Score: 7.99696
Type of gen. func.: lgdogf

$$- \frac{2 (800 x^3 - 855 x^2 + 193 x - 12)}{(x - 1) (8 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A022565
Score: 9.05616
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (8 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A022567
Score: 28.0552
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{2}{-x^2 + 1}$$

Sequence: A022568
Score: 32.6835
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{3}{-x^2 + 1}$$

Sequence: A022569
Score: 30.4805
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{4}{-x^2 + 1}$$

Sequence: A022570
Score: 30.2746
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{5}{-x^2 + 1}$$

Sequence: A022571
Score: 29.7917

Type of gen. func.: ogf_with_Euler_transform]

$$\frac{6}{-x^2 + 1}$$

Sequence: A022572
Score: 30.2629
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{7}{-x^2 + 1}$$

Sequence: A022573
Score: 30.4746
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{8}{-x^2 + 1}$$

Sequence: A022574
Score: 28.4997
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{9}{-x^2 + 1}$$

Sequence: A022575
Score: 27.1629
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{10}{-x^2 + 1}$$

Sequence: A022576
Score: 28.3976
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{11}{-x^2 + 1}$$

Sequence: A022577
Score: 29.2955
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{12}{-x^2 + 1}$$

Sequence: A022578
Score: 28.3237
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{13}{-x^2 + 1}$$

Sequence: A022579
Score: 27.4653
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{14}{-x^2 + 1}$$

Sequence: A022580
Score: 26.3906
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{15}{-x^2 + 1}$$

Sequence: A022581
Score: 38.9317
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{16}{-x^2 + 1}$$

Sequence: A022582
Score: 27.4766
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{17}{-x^2 + 1}$$

Sequence: A022583
Score: 26.2875
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{18}{-x^2 + 1}$$

Sequence: A022584
Score: 26.8240
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{19}{-x^2 + 1}$$

Sequence: A022585
Score: 27.3605
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{20}{-x^2 + 1}$$

Sequence: A022586
Score: 26.0600
Type of gen. func.: ogf_with_Euler_transform]

```
                                               21
                                             -------
                                               2
                                             -x  + 1



---------------------------------------------------------------------------------

Sequence:  A022587
Score: 26.2719
Type of gen. func.: ogf_with_Euler_transform]


                                               22
                                             -------
                                               2
                                             -x  + 1



---------------------------------------------------------------------------------

Sequence:  A022588
Score: 26.9075
Type of gen. func.: ogf_with_Euler_transform]


                                               23
                                             -------
                                               2
                                             -x  + 1



---------------------------------------------------------------------------------

Sequence:  A022589
Score: 25.5020
Type of gen. func.: ogf_with_Euler_transform]


                                               25
                                             -------
                                               2
                                             -x  + 1



---------------------------------------------------------------------------------

Sequence:  A022590
Score: 26.0246
Type of gen. func.: ogf_with_Euler_transform]


                                               26
                                             -------
                                               2
                                             -x  + 1



---------------------------------------------------------------------------------

Sequence:  A022591
Score: 24.2131
Type of gen. func.: ogf_with_Euler_transform]


                                               27
```

```
                                       -------
                                         2
                                       -x  + 1



   ------------------------------------------------------------------------------

   Sequence:  A022592
   Score: 24.4192
   Type of gen. func.: ogf_with_Euler_transform]


                                         28
                                       -------
                                         2
                                       -x  + 1



   ------------------------------------------------------------------------------

   Sequence:  A022593
   Score: 24.8314
   Type of gen. func.: ogf_with_Euler_transform]


                                         29
                                       -------
                                         2
                                       -x  + 1



   ------------------------------------------------------------------------------

   Sequence:  A022594
   Score: 25.0374
   Type of gen. func.: ogf_with_Euler_transform]


                                         30
                                       -------
                                         2
                                       -x  + 1



   ------------------------------------------------------------------------------

   Sequence:  A022595
   Score: 25.2435
   Type of gen. func.: ogf_with_Euler_transform]


                                         31
                                       -------
                                         2
                                       -x  + 1



   ------------------------------------------------------------------------------

   Sequence:  A022596
   Score: 25.6556
   Type of gen. func.: ogf_with_Euler_transform]


                                         32
                                       -------
```

$$-x^{2} + 1$$

Sequence: A022597
Score: 29.0233
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{2}{x^{2} - 1}$$

Sequence: A022598
Score: 20.9707
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{3}{x^{2} - 1}$$

Sequence: A022599
Score: 25.1861
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{4}{x^{2} - 1}$$

Sequence: A022600
Score: 20.6173
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{5}{x^{2} - 1}$$

Sequence: A022601
Score: 24.8874
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{6}{{}^{2}}$$

$$x - 1$$

Sequence: A022602
Score: 20.4072
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{7}{x^{2} - 1}$$

Sequence: A022604
Score: 19.3204
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{9}{x^{2} - 1}$$

Sequence: A022605
Score: 19.8849
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{10}{x^{2} - 1}$$

Sequence: A022606
Score: 19.3314
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{11}{x^{2} - 1}$$

Sequence: A022608
Score: 18.2208
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{13}{x^{2} - 1}$$

Sequence: A022609
Score: 18.7505
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{14}{x^2 - 1}$$

Sequence: A022610
Score: 18.0813
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{15}{x^2 - 1}$$

Sequence: A022611
Score: 18.6039
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{16}{x^2 - 1}$$

Sequence: A022612
Score: 19.1265
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{17}{x^2 - 1}$$

Sequence: A022613
Score: 19.6491
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{18}{x^2 - 1}$$

Sequence: A022614
Score: 18.5462
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{19}{x^2 - 1}$$

Sequence: A022615
Score: 17.5567
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{20}{x^2 - 1}$$

Sequence: A022616
Score: 17.9627
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{21}{x^2 - 1}$$

Sequence: A022617
Score: 16.6762
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{22}{x^2 - 1}$$

Sequence: A022618
Score: 17.1755
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{23}{x^2 - 1}$$

Sequence: A022620
Score: 24.2591
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{25}{x^2 - 1}$$

Sequence: A022621
Score: 24.7888
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{26}{x^2 - 1}$$

Sequence: A022622
Score: 25.1066
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{27}{x^2 - 1}$$

Sequence: A022623
Score: 25.5303
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{28}{x^2 - 1}$$

Sequence: A022624
Score: 25.8481
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{29}{x^2 - 1}$$

Sequence: A022625
Score: 18.9730
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{30}{x^2 - 1}$$

Sequence: A022626
Score: 19.2725
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{31}{x^2 - 1}$$

Sequence: A022627
Score: 17.8629
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{32}{x^2 - 1}$$

Sequence: A022628
Score: 13.2133
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (5 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A022628
Score: 4.6832
Type of gen. func.: ogf

$$(5017174066753108607 f(x) + 54214541418752000)$$

$$(440 f(x) x^4 - 623 f(x) x^3 + 207 f(x) x^2 - 25 f(x) x + f(x) - 1)$$

Sequence: A022628
Score: 8.36029
Type of gen. func.: lgdogf

$$-\frac{1760 x^3 - 1869 x^2 + 414 x - 25}{(x - 1) (5 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A022725
Score: 3.56066
Type of gen. func.: ogf

$$(42954820467313 f(x) + 424410624000)$$

$$(480 f(x) x^4 - 676 f(x) x^3 + 221 f(x) x^2 - 26 f(x) x + f(x) - 1)$$

Sequence: A022725
Score: 8.31684
Type of gen. func.: lgdogf

$$-\frac{2 (960 x^3 - 1014 x^2 + 221 x - 13)}{(x - 1) (5 x - 1) (12 x - 1) (8 x - 1)}$$

Sequence: A022725
Score: 9.41030
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (5 x - 1) (12 x - 1) (8 x - 1)}$$

Sequence: A022776
Score: 4.83340
Type of gen. func.: ogf

$$- (x^{10} + x^9 + x^2 + 1) (x^6 + x^3 + 1) / ((x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11}$$

$$+ x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3)$$

Sequence: A022777
Score: 4.11714
Type of gen. func.: ogf

$$-(x+1)\left(x^{15}-x^{14}+3x^{13}-x^{12}+2x^{11}+2x^{9}+x^{7}+x^{6}+x^{5}+x^{4}+2x^{2}+1\right) \Big/ \left((x^{2}+x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{8}-x^{7}+x^{5}-x^{4}+x^{3}-x+1)(x-1)^{3}\right)$$

Sequence: A022783
Score: 5.10260
Type of gen. func.: ogf

$$-\frac{x^{12}-x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{5}+x^{4}+x^{3}+x^{2}+1}{(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{3}}$$

Sequence: A022786
Score: 5.70386
Type of gen. func.: ogf

$$-(x^{20}-x^{19}+x^{17}+x^{14}+x^{11}+x^{9}+x^{6}+x^{3}+1) \Big/ \left((x^{18}+x^{17}+x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{3}\right)$$

Sequence: A022794
Score: 19.9449
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{17}+x^{16}+x^{2}+2$$

Sequence: A022795
Score: 6.06457
Type of gen. func.: ogf

$$-\frac{(x+1)(x^7+x^6+2x^5+x^4+2x^3+x^2+2x+1)}{(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^3}$$

Sequence: A022796
Score: 6.64182
Type of gen. func.: ogf

$$-(x^{19}+x^{16}+x^{13}+x^{10}+x^7+x^4+1) \Big/ \Big((x+1)(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)(x-1)^3\Big)$$

Sequence: A022815
Score: 21.1440
Type of gen. func.: lgdogf

$$-\frac{6x^2-4x-7}{(x-1)(2x^2-2x-1)}$$

Sequence: A022815
Score: 3.79243
Type of gen. func.: ogf

$$\{(-n-4)\,a(n+4)+(4-n)\,a(n+3)+(12+4n)\,a(n+2)+(-8-2n)\,a(n+1),\ a(0)=1,\ a(1)=7,\ a(2)=23,\ a(3)=55\}$$

Sequence: A022815
Score: 9.55308
Type of gen. func.: ogf

$$\frac{2x^2-2x-1}{(x-1)^5}$$

Sequence: A022816
Score: 13.8895
Type of gen. func.: lgdogf

$$-\frac{6x^3 - 22x^2 + 11x + 11}{(x-1)(2x^3 - 7x^2 + 5x + 1)}$$

Sequence: A022816
Score: 7.23639
Type of gen. func.: ogf

$$\frac{2x^3 - 7x^2 + 5x + 1}{(x-1)^6}$$

Sequence: A022817
Score: 10.9623
Type of gen. func.: lgdogf

$$-\frac{2x^5 - 7x^4 - 12x^3 + 53x^2 - 28x - 15}{(x-1)(x^5 - 4x^4 + x^3 + 10x^2 - 8x - 1)}$$

Sequence: A022817
Score: 6.58614
Type of gen. func.: ogf

$$\frac{x^5 - 4x^4 + x^3 + 10x^2 - 8x - 1}{(x-1)^7}$$

Sequence: A022844
Score: 8.60192
Type of gen. func.: ogf

$$\frac{x(x^7 + 3x^6 + 3x^5 + 3x^4 + 3x^3 + 3x^2 + 3x + 3)}{}$$

6 5 4 3 2 2

$$(x + x + x + x + x + x + 1) (x - 1)$$

Sequence: A022845
Score: 3.52237
Type of gen. func.: ogf

$$(14946642543899 f(x) + 157694014080)$$

$$(450 f(x) x^{4} - 635 f(x) x^{3} + 209 f(x) x^{2} - 25 f(x) x + f(x) - 1)$$

Sequence: A022845
Score: 8.22545
Type of gen. func.: lgdogf

$$- \frac{1800 x^{3} - 1905 x^{2} + 418 x - 25}{(x - 1) (9 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A022845
Score: 9.30912
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (9 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A022853
Score: 8.28832
Type of gen. func.: ogf

$$\frac{x (3 x^{6} + 3 x^{5} + 3 x^{4} + 4 x^{3} + 3 x^{2} + 3 x + 3)}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A022856
Score: 12.2951
Type of gen. func.: lgdogf

$$\frac{2 x^{5} - 6 x^{4} + 4 x^{3} - 4 x^{2} + 2 x - 1}{}$$

5   4   3   2

$$(x - 1)\,(x - x + x + x - 2 x + 1)$$

Sequence: A022856
Score: 9.15502
Type of gen. func.: ogf

$$-\frac{x^5 - x^4 + x^3 + x^2 - 2 x + 1}{(x - 1)^3}$$

Sequence: A022933
Score: 7.43971
Type of gen. func.: ogf

$$-\frac{x\,(x^{11} + x^{10} + x^9 + x^7 + x^6 + x^4 + x^3 + x + 1)}{(x - 1)\,(x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A022958
Score: 14.7980
Type of gen. func.: ogf

$$-\frac{3 x - 2}{(x - 1)^2}$$

Sequence: A022958
Score: 35.0822
Type of gen. func.: revogf

$$-\frac{-1 - x + (1 - x)^{1/2}}{3 + x}$$

Sequence: A022958
Score: 39.8661
Type of gen. func.: lgdogf

$$-\frac{3 x - 1}{}$$

$$(3 x - 2) (x - 1)$$

Sequence: A022958
Score: 7.48216
Type of gen. func.: ogf

$$-(f(x) - 2) (f(x) x^2 - 2 f(x) x + f(x) + 3 x - 2)$$

Sequence: A022958
Score: 8.12088
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 2, a(1) = 1\}$$

Sequence: A022959
Score: 10.744
Type of gen. func.: ogf

$$f(x) x^2 - 2 f(x) x + f(x) + 4 x - 3$$

Sequence: A022959
Score: 15.0416
Type of gen. func.: ogf

$$- \frac{4 x - 3}{(x - 1)^2}$$

Sequence: A022959
Score: 26.9365
Type of gen. func.: revogf

$$- \frac{-3 - 2 x + (9 - 4 x)^{1/2}}{2 (4 + x)}$$

Sequence: A022959
Score: 37.0377

Type of gen. func.: lgdogf

$$-\frac{2 (2 x - 1)}{(4 x - 3) (x - 1)}$$

Sequence: A022959
Score: 8.25454
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 3, a(1) = 2\}$$

Sequence: A022960
Score: 14.9510
Type of gen. func.: ogf

$$-\frac{5 x - 4}{(x - 1)^2}$$

Sequence: A022960
Score: 35.2299
Type of gen. func.: revogf

$$-\frac{-2 - x + (4 - x)^{1/2}}{5 + x}$$

Sequence: A022960
Score: 38.2934
Type of gen. func.: lgdogf

$$-\frac{-3 + 5 x}{(5 x - 4) (x - 1)}$$

Sequence: A022960
Score: 7.47549
Type of gen. func.: ogf

$$-(2 f(x) - 17) (f(x) x^2 - 2 f(x) x + f(x) + 5 x - 4)$$

Sequence: A022960
Score: 8.20480
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 4, a(1) = 3\}$$

Sequence: A022961
Score: 14.8604
Type of gen. func.: ogf

$$-\frac{6 x - 5}{(x - 1)^{2}}$$

Sequence: A022961
Score: 25.6645
Type of gen. func.: revogf

$$-\frac{-5 - 2 x + (25 - 4 x)^{1/2}}{2 (6 + x)}$$

Sequence: A022961
Score: 34.9037
Type of gen. func.: lgdogf

$$-\frac{2 (3 x - 2)}{(6 x - 5) (x - 1)}$$

Sequence: A022961
Score: 7.26865
Type of gen. func.: ogf

$$-(25 f(x) - 253) (f(x) x^{2} - 2 f(x) x + f(x) + 6 x - 5)$$

Sequence: A022961
Score: 8.15509
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 5, a(1) = 4\}$$

Sequence: A022962
Score: 15.1036
Type of gen. func.: ogf

$$-\frac{7 x - 6}{(x - 1)^{2}}$$

Sequence: A022962
Score: 34.0145
Type of gen. func.: revogf

$$-\frac{-3 - x + (-x + 9)^{1/2}}{7 + x}$$

Sequence: A022962
Score: 38.4512
Type of gen. func.: lgdogf

$$-\frac{-5 + 7 x}{(7 x - 6) (x - 1)}$$

Sequence: A022962
Score: 7.55179
Type of gen. func.: ogf

$$-(2 f(x) - 37) (f(x) x^{2} - 2 f(x) x + f(x) + 7 x - 6)$$

Sequence: A022962
Score: 8.28854
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 6, a(1) = 5\}$$

Sequence: A022963
Score: 15.0126
Type of gen. func.: ogf

$$-\frac{8x-7}{(x-1)^2}$$

Sequence: A022963
Score: 25.7703
Type of gen. func.: revogf

$$-\frac{-7-2x+(49-4x)^{1/2}}{2(8+x)}$$

Sequence: A022963
Score: 35.0476
Type of gen. func.: lgdogf

$$-\frac{2(4x-3)}{(8x-7)(x-1)}$$

Sequence: A022963
Score: 7.5063
Type of gen. func.: ogf

$$-(f(x)-25)(f(x)x^2-2f(x)x+f(x)+8x-7)$$

Sequence: A022963
Score: 8.23861
Type of gen. func.: ogf

$$\{-a(n+2)+2a(n+1)-a(n), a(0)=7, a(1)=6\}$$

Sequence: A022964
Score: 14.9216
Type of gen. func.: ogf

$$9x-8$$

```
- --------
        2
 (x - 1)
```

Sequence: A022964
Score: 33.3846
Type of gen. func.: revogf

$$-\frac{-4 - x + (16 - x)^{1/2}}{9 + x}$$

Sequence: A022964
Score: 37.7391
Type of gen. func.: lgdogf

$$-\frac{-7 + 9 x}{(9 x - 8) (x - 1)}$$

Sequence: A022964
Score: 7.46081
Type of gen. func.: ogf

$$-(2 f(x) - 65) (f(x) x^2 - 2 f(x) x + f(x) + 9 x - 8)$$

Sequence: A022964
Score: 8.18868
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 8, a(1) = 7\}$$

Sequence: A022965
Score: 14.8349
Type of gen. func.: ogf

$$-\frac{10 x - 9}{(x - 1)^2}$$

Sequence: A022965
Score: 25.1350
Type of gen. func.: revogf

$$-\frac{-9 - 2 x + (81 - 4 x)^{1/2}}{2 (x + 10)}$$

Sequence: A022965
Score: 33.8356
Type of gen. func.: lgdogf

$$-\frac{2 (5 x - 4)}{(10 x - 9) (x - 1)}$$

Sequence: A022965
Score: 7.49896
Type of gen. func.: ogf

$$-(f(x) - 41) (f(x) x^{2} - 2 f(x) x + f(x) + 10 x - 9)$$

Sequence: A022965
Score: 8.32200
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 9, a(1) = 8\}$$

Sequence: A022966
Score: 14.5192
Type of gen. func.: ogf

$$-\frac{11 x - 10}{(x - 1)^{2}}$$

Sequence: A022966
Score: 32.4302
Type of gen. func.: revogf

$$-\frac{-5 - x + (25 - x)}{x + 11}$$

Sequence: A022966
Score: 33.6775
Type of gen. func.: lgdogf

$$-\frac{-9 + 11 x}{(11 x - 10) (x - 1)}$$

Sequence: A022966
Score: 7.33769
Type of gen. func.: ogf

$$-(2 f(x) - 101) (f(x) x^{2} - 2 f(x) x + f(x) + 11 x - 10)$$

Sequence: A022966
Score: 8.22173
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 10, a(1) = 9\}$$

Sequence: A022967
Score: 14.5192
Type of gen. func.: ogf

$$-\frac{12 x - 11}{(x - 1)^{2}}$$

Sequence: A022967
Score: 23.5542
Type of gen. func.: revogf

$$-\frac{-11 - 2 x + (121 - 4 x)^{1/2}}{2 (x + 12)}$$

Sequence: A022967
Score: 32.2779
Type of gen. func.: lgdogf

$$- \frac{2 (6 x - 5)}{(12 x - 11) (x - 1)}$$

Sequence: A022967
Score: 7.41745
Type of gen. func.: ogf

$$-(f(x) - 61) (f(x) x^2 - 2 f(x) x + f(x) + 12 x - 11)$$

Sequence: A022967
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 11, a(1) = 10\}$$

Sequence: A022968
Score: 14.5192
Type of gen. func.: ogf

$$- \frac{13 x - 12}{(x - 1)^2}$$

Sequence: A022968
Score: 32.1257
Type of gen. func.: lgdogf

$$- \frac{-11 + 13 x}{(13 x - 12) (x - 1)}$$

Sequence: A022968
Score: 32.1257
Type of gen. func.: revogf

$$-6 - x + (36 - x)^{1/2}$$

- --------------------
13 + x

Sequence: A022968
Score: 7.33769
Type of gen. func.: ogf

$$-(2 f(x) - 145) (f(x) x^2 - 2 f(x) x + f(x) + 13 x - 12)$$

Sequence: A022968
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 12, a(1) = 11\}$$

Sequence: A022969
Score: 14.5192
Type of gen. func.: ogf

$$-\frac{14 x - 13}{(x - 1)^2}$$

Sequence: A022969
Score: 23.3320
Type of gen. func.: revogf

$$-\frac{-13 - 2 x + (169 - 4 x)^{1/2}}{2 (14 + x)}$$

Sequence: A022969
Score: 31.9734
Type of gen. func.: lgdogf

$$-\frac{2 (7 x - 6)}{(14 x - 13) (x - 1)}$$

Sequence: A022969
Score: 7.41745
Type of gen. func.: ogf

$$-(f(x) - 85) (f(x) x^2 - 2 f(x) x + f(x) + 14 x - 13)$$

Sequence: A022969
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 13, a(1) = 12\}$$

Sequence: A022970
Score: 14.5192
Type of gen. func.: ogf

$$-\frac{15 x - 14}{(x - 1)^2}$$

Sequence: A022970
Score: 31.8212
Type of gen. func.: lgdogf

$$-\frac{-13 + 15 x}{(15 x - 14) (x - 1)}$$

Sequence: A022970
Score: 31.8212
Type of gen. func.: revogf

$$-\frac{-7 - x + (49 - x)^{1/2}}{15 + x}$$

Sequence: A022970
Score: 7.33769
Type of gen. func.: ogf

$$-(2 f(x) - 197) (f(x) x^2 - 2 f(x) x + f(x) + 15 x - 14)$$

Sequence: A022970
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n+2) + 2\,a(n+1) - a(n),\ a(0) = 14,\ a(1) = 13\}$$

Sequence: A022971
Score: 14.5192
Type of gen. func.: ogf

$$-\frac{16x - 15}{(x-1)^2}$$

Sequence: A022971
Score: 23.1098
Type of gen. func.: revogf

$$-\frac{-15 - 2x + (225 - 4x)^{1/2}}{2\,(16 + x)}$$

Sequence: A022971
Score: 31.6689
Type of gen. func.: lgdogf

$$-\frac{2\,(8x - 7)}{(16x - 15)\,(x - 1)}$$

Sequence: A022971
Score: 7.33769
Type of gen. func.: ogf

$$-(f(x) - 113)\,(f(x)\,x^2 - 2\,f(x)\,x + f(x) + 16x - 15)$$

Sequence: A022971
Score: 8.12386

Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 15, a(1) = 14\}$$

Sequence: A022972
Score: 14.5192
Type of gen. func.: ogf

$$-\frac{17 x - 16}{(x - 1)^2}$$

Sequence: A022972
Score: 30.3911
Type of gen. func.: revogf

$$-\frac{-8 - x + (-x + 64)^{1/2}}{17 + x}$$

Sequence: A022972
Score: 31.5167
Type of gen. func.: lgdogf

$$-\frac{-15 + 17 x}{(17 x - 16) (x - 1)}$$

Sequence: A022972
Score: 7.33769
Type of gen. func.: ogf

$$-(2 f(x) - 257) (f(x) x^2 - 2 f(x) x + f(x) + 17 x - 16)$$

Sequence: A022972
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 16, a(1) = 15\}$$

Sequence: A022973
Score: 14.5192
Type of gen. func.: ogf

$$-\frac{18 x - 17}{(x - 1)^{2}}$$

Sequence: A022973
Score: 22.8875
Type of gen. func.: revogf

$$-\frac{-17 - 2 x + (289 - 4 x)^{1/2}}{2 (18 + x)}$$

Sequence: A022973
Score: 31.3644
Type of gen. func.: lgdogf

$$-\frac{2 (9 x - 8)}{(18 x - 17) (x - 1)}$$

Sequence: A022973
Score: 7.33769
Type of gen. func.: ogf

$$-(f(x) - 145) (f(x) x^{2} - 2 f(x) x + f(x) + 18 x - 17)$$

Sequence: A022973
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 17, a(1) = 16\}$$

Sequence: A022974
Score: 14.5192
Type of gen. func.: ogf

$$-\frac{19 x - 18}{(x - 1)^2}$$

Sequence: A022974
Score: 31.2122
Type of gen. func.: lgdogf

$$-\frac{-17 + 19 x}{(19 x - 18) (x - 1)}$$

Sequence: A022974
Score: 31.2122
Type of gen. func.: revogf

$$-\frac{-9 - x + (81 - x)^{1/2}}{19 + x}$$

Sequence: A022974
Score: 7.33769
Type of gen. func.: ogf

$$-(2 f(x) - 325) (f(x) x^2 - 2 f(x) x + f(x) + 19 x - 18)$$

Sequence: A022974
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 18, a(1) = 17\}$$

Sequence: A022975
Score: 14.5192
Type of gen. func.: ogf

$$-\frac{20 x - 19}{(x - 1)^2}$$

Sequence: A022975
Score: 22.6653
Type of gen. func.: revogf

$$-\frac{-19 - 2 x + (361 - 4 x)^{1/2}}{2 (20 + x)}$$

Sequence: A022975
Score: 29.9506
Type of gen. func.: lgdogf

$$-\frac{2 (10 x - 9)}{(20 x - 19) (x - 1)}$$

Sequence: A022975
Score: 7.33769
Type of gen. func.: ogf

$$-(f(x) - 181) (f(x) x^{2} - 2 f(x) x + f(x) + 20 x - 19)$$

Sequence: A022975
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 19, a(1) = 18\}$$

Sequence: A022976
Score: 14.5192
Type of gen. func.: ogf

$$-\frac{21 x - 20}{(x - 1)^{2}}$$

Sequence: A022976
Score: 28.7761
Type of gen. func.: revogf

$$-\frac{-10 - x + (100 - x)^{1/2}}{21 + x}$$

Sequence: A022976
Score: 30.9077
Type of gen. func.: lgdogf

$$-\frac{-19 + 21 x}{(21 x - 20) (x - 1)}$$

Sequence: A022976
Score: 7.33769
Type of gen. func.: ogf

$$-(2 f(x) - 401) (f(x) x^2 - 2 f(x) x + f(x) + 21 x - 20)$$

Sequence: A022976
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 20, a(1) = 19\}$$

Sequence: A022977
Score: 14.5192
Type of gen. func.: ogf

$$-\frac{22 x - 21}{(x - 1)^2}$$

Sequence: A022977
Score: 22.4431
Type of gen. func.: revogf

$$-\frac{-21 - 2 x + (441 - 4 x)^{1/2}}{2 (22 + x)}$$

Sequence: A022977
Score: 28.6343
Type of gen. func.: lgdogf

$$-\frac{2 (11 x - 10)}{(22 x - 21) (x - 1)}$$

Sequence: A022977
Score: 7.33769
Type of gen. func.: ogf

$$-(f(x) - 221) (f(x) x^2 - 2 f(x) x + f(x) + 22 x - 21)$$

Sequence: A022977
Score: 8.12386
Type of gen. func.: ogf

{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 21, a(1) = 20}

Sequence: A022978
Score: 14.5192
Type of gen. func.: ogf

$$-\frac{23 x - 22}{(x - 1)^2}$$

Sequence: A022978
Score: 28.4926
Type of gen. func.: revogf

$$-\frac{-11 - x + (121 - x)^{1/2}}{23 + x}$$

Sequence: A022978
Score: 30.6031
Type of gen. func.: lgdogf

$$-\frac{-21 + 23 x}{(23 x - 22) (x - 1)}$$

Sequence: A022978
Score: 7.33769
Type of gen. func.: ogf

$$-(2 f(x) - 485) (f(x) x^2 - 2 f(x) x + f(x) + 23 x - 22)$$

Sequence: A022978
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 22, a(1) = 21\}$$

Sequence: A022979
Score: 14.5192
Type of gen. func.: ogf

$$-\frac{24 x - 23}{(x - 1)^2}$$

Sequence: A022979
Score: 22.2209
Type of gen. func.: revogf

$$-\frac{-23 - 2 x + (529 - 4 x)^{1/2}}{2 (24 + x)}$$

Sequence: A022979
Score: 29.3634
Type of gen. func.: lgdogf

$$-\frac{2 (12 x - 11)}{(24 x - 23) (x - 1)}$$

Sequence: A022979
Score: 7.33769
Type of gen. func.: ogf

$$-(f(x) - 265) (f(x) x^2 - 2 f(x) x + f(x) + 24 x - 23)$$

Sequence: A022979
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 23, a(1) = 22\}$$

Sequence: A022980
Score: 14.5192
Type of gen. func.: ogf

$$-\frac{25 x - 24}{(x - 1)^2}$$

Sequence: A022980
Score: 28.2091
Type of gen. func.: revogf

$$-\frac{-12 - x + (144 - x)^{1/2}}{25 + x}$$

Sequence: A022980
Score: 30.2986
Type of gen. func.: lgdogf

$$-\frac{-23 + 25 x}{(25 x - 24) (x - 1)}$$

Sequence: A022980
Score: 7.33769
Type of gen. func.: ogf

2

$$-(2 f(x) - 577) (f(x) x - 2 f(x) x + f(x) + 25 x - 24)$$

Sequence: A022980
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 24, a(1) = 23\}$$

Sequence: A022981
Score: 14.5192
Type of gen. func.: ogf

$$-\frac{26 x - 25}{(x - 1)^{2}}$$

Sequence: A022981
Score: 21.9987
Type of gen. func.: revogf

$$-\frac{-25 - 2 x + (625 - 4 x)^{1/2}}{2 (26 + x)}$$

Sequence: A022981
Score: 28.0673
Type of gen. func.: lgdogf

$$-\frac{2 (13 x - 12)}{(26 x - 25) (x - 1)}$$

Sequence: A022981
Score: 7.33769
Type of gen. func.: ogf

$$-(f(x) - 313) (f(x) x^{2} - 2 f(x) x + f(x) + 26 x - 25)$$

Sequence: A022981

Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 25, a(1) = 24\}$$

Sequence: A022982
Score: 14.5192
Type of gen. func.: ogf

$$-\frac{27 x - 26}{(x - 1)^2}$$

Sequence: A022982
Score: 27.9256
Type of gen. func.: revogf

$$-\frac{-13 - x + (169 - x)^{1/2}}{27 + x}$$

Sequence: A022982
Score: 29.9941
Type of gen. func.: lgdogf

$$-\frac{-25 + 27 x}{(27 x - 26) (x - 1)}$$

Sequence: A022982
Score: 7.33769
Type of gen. func.: ogf

$$-(2 f(x) - 677) (f(x) x^2 - 2 f(x) x + f(x) + 27 x - 26)$$

Sequence: A022982
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 26, a(1) = 25\}$$

Sequence: A022983
Score: 14.5192
Type of gen. func.: ogf

$$-\frac{28 x - 27}{(x - 1)^{2}}$$

Sequence: A022983
Score: 21.7765
Type of gen. func.: revogf

$$-\frac{-27 - 2 x + (729 - 4 x)^{1/2}}{2 (28 + x)}$$

Sequence: A022983
Score: 27.7838
Type of gen. func.: lgdogf

$$-\frac{2 (14 x - 13)}{(28 x - 27) (x - 1)}$$

Sequence: A022983
Score: 7.33769
Type of gen. func.: ogf

$$-(f(x) - 365) (f(x) x^{2} - 2 f(x) x + f(x) + 28 x - 27)$$

Sequence: A022983
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 27, a(1) = 26\}$$

Sequence: A022984
Score: 14.5192
Type of gen. func.: ogf

$$-\frac{29 x - 28}{(x - 1)^2}$$

Sequence: A022984
Score: 27.6421
Type of gen. func.: revogf

$$-\frac{-14 - x + (196 - x)^{1/2}}{29 + x}$$

Sequence: A022984
Score: 29.6896
Type of gen. func.: lgdogf

$$-\frac{-27 + 29 x}{(29 x - 28) (x - 1)}$$

Sequence: A022984
Score: 7.33769
Type of gen. func.: ogf

$$-(2 f(x) - 785) (f(x) x^2 - 2 f(x) x + f(x) + 29 x - 28)$$

Sequence: A022984
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 28, a(1) = 27\}$$

Sequence: A022985
Score: 14.5192
Type of gen. func.: ogf

$$-\frac{30 x - 29}{(x - 1)^2}$$

Sequence: A022985
Score: 21.5543
Type of gen. func.: revogf

$$-\frac{-29 - 2 x + (841 - 4 x)^{1/2}}{2 (30 + x)}$$

Sequence: A022985
Score: 27.5003
Type of gen. func.: lgdogf

$$-\frac{2 (15 x - 14)}{(30 x - 29) (x - 1)}$$

Sequence: A022985
Score: 7.33769
Type of gen. func.: ogf

$$-(f(x) - 421) (f(x) x^2 - 2 f(x) x + f(x) + 30 x - 29)$$

Sequence: A022985
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 29, a(1) = 28\}$$

Sequence: A022986
Score: 14.5192
Type of gen. func.: ogf

$$-\frac{31 x - 30}{(x - 1)^2}$$

Sequence: A022986
Score: 27.3585
Type of gen. func.: revogf

$$-\frac{-15 - x + (225 - x)^{1/2}}{31 + x}$$

Sequence: A022986
Score: 29.3851
Type of gen. func.: lgdogf

$$-\frac{-29 + 31 x}{(31 x - 30) (x - 1)}$$

Sequence: A022986
Score: 7.33769
Type of gen. func.: ogf

$$-(2 f(x) - 901) (f(x) x^2 - 2 f(x) x + f(x) + 31 x - 30)$$

Sequence: A022986
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 30, a(1) = 29\}$$

Sequence: A022987
Score: 14.5192
Type of gen. func.: ogf

$$-\frac{32 x - 31}{(x - 1)^2}$$

Sequence: A022987
Score: 21.3321
Type of gen. func.: revogf

$$-\frac{-31 - 2 x + (961 - 4 x)^{1/2}}{2 (x + 32)}$$

Sequence: A022987
Score: 27.2168
Type of gen. func.: lgdogf

$$-\frac{2\ (16\ x - 15)}{(32\ x - 31)\ (x - 1)}$$

Sequence: A022987
Score: 7.33769
Type of gen. func.: ogf

$$-(f(x) - 481)\ (f(x)\ x^{2} - 2\ f(x)\ x + f(x) + 32\ x - 31)$$

Sequence: A022987
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\ a(n + 1) - a(n),\ a(0) = 31,\ a(1) = 30\}$$

Sequence: A022988
Score: 14.5192
Type of gen. func.: ogf

$$-\frac{33\ x - 32}{(x - 1)^{2}}$$

Sequence: A022988
Score: 27.0750
Type of gen. func.: revogf

$$-\frac{-16 - x + (256 - x)^{1/2}}{33 + x}$$

Sequence: A022988
Score: 29.0806
Type of gen. func.: lgdogf

$$-\frac{-31 + 33\,x}{(33\,x - 32)\,(x - 1)}$$

Sequence: A022988
Score: 7.25963
Type of gen. func.: ogf

$$-(2\,f(x) - 1025)\,(f(x)\,x^2 - 2\,f(x)\,x + f(x) + 33\,x - 32)$$

Sequence: A022988
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\,a(n + 1) - a(n),\ a(0) = 32,\ a(1) = 31\}$$

Sequence: A022989
Score: 14.5192
Type of gen. func.: ogf

$$-\frac{34\,x - 33}{(x - 1)^2}$$

Sequence: A022989
Score: 20.5543
Type of gen. func.: revogf

$$-\frac{-33 - 2\,x + (1089 - 4\,x)^{1/2}}{2\,(34 + x)}$$

Sequence: A022989
Score: 26.0355
Type of gen. func.: lgdogf

$$-\frac{2\,(17\,x - 16)}{(34\,x - 33)\,(x - 1)}$$

Sequence: A022989
Score: 7.33769
Type of gen. func.: ogf

$$-(f(x) - 545) (f(x) x^{2} - 2 f(x) x + f(x) + 34 x - 33)$$

Sequence: A022989
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 33, a(1) = 32\}$$

Sequence: A022990
Score: 14.5192
Type of gen. func.: ogf

$$-\frac{35 x - 34}{(x - 1)^{2}}$$

Sequence: A022990
Score: 26.7915
Type of gen. func.: revogf

$$-\frac{-17 - x + (289 - x)^{1/2}}{35 + x}$$

Sequence: A022990
Score: 27.7484
Type of gen. func.: lgdogf

$$-\frac{-33 + 35 x}{(35 x - 34) (x - 1)}$$

Sequence: A022990
Score: 7.25963
Type of gen. func.: ogf

$$-(2 f(x) - 1157) (f(x) x^2 - 2 f(x) x + f(x) + 35 x - 34)$$

Sequence: A022990
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 34, a(1) = 33\}$$

Sequence: A022991
Score: 14.5192
Type of gen. func.: ogf

$$-\frac{36 x - 35}{(x - 1)^2}$$

Sequence: A022991
Score: 20.3380
Type of gen. func.: revogf

$$-\frac{-35 - 2 x + (1225 - 4 x)^{1/2}}{2 (36 + x)}$$

Sequence: A022991
Score: 26.6498
Type of gen. func.: lgdogf

$$-\frac{2 (18 x - 17)}{(36 x - 35) (x - 1)}$$

Sequence: A022991
Score: 7.33769
Type of gen. func.: ogf

$$-(f(x) - 613) (f(x) x^2 - 2 f(x) x + f(x) + 36 x - 35)$$

Sequence: A022991
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 35, a(1) = 34\}$$

Sequence: A022992
Score: 14.5192
Type of gen. func.: ogf

$$-\frac{37 x - 36}{(x - 1)^{2}}$$

Sequence: A022992
Score: 26.5080
Type of gen. func.: revogf

$$-\frac{-18 - x + (324 - x)^{1/2}}{37 + x}$$

Sequence: A022992
Score: 28.4716
Type of gen. func.: lgdogf

$$-\frac{-35 + 37 x}{(37 x - 36) (x - 1)}$$

Sequence: A022992
Score: 7.25963
Type of gen. func.: ogf

$$-(2 f(x) - 1297) (f(x) x^{2} - 2 f(x) x + f(x) + 37 x - 36)$$

Sequence: A022992
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 36, a(1) = 35\}$$

Sequence: A022993
Score: 14.5192
Type of gen. func.: ogf

$$-\frac{38 x - 37}{(x - 1)^{2}}$$

Sequence: A022993
Score: 20.1216
Type of gen. func.: revogf

$$-\frac{-37 - 2 x + (1369 - 4 x)^{1/2}}{2 (38 + x)}$$

Sequence: A022993
Score: 26.3663
Type of gen. func.: lgdogf

$$-\frac{2 (19 x - 18)}{(38 x - 37) (x - 1)}$$

Sequence: A022993
Score: 7.33769
Type of gen. func.: ogf

$$-(f(x) - 685) (f(x) x^{2} - 2 f(x) x + f(x) + 38 x - 37)$$

Sequence: A022993
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 37, a(1) = 36\}$$

Sequence: A022994
Score: 14.5192
Type of gen. func.: ogf

$$-\frac{39 x - 38}{(x - 1)^{2}}$$

Sequence: A022994
Score: 26.2245
Type of gen. func.: revogf

$$-\frac{-19 - x + (361 - x)^{1/2}}{39 + x}$$

Sequence: A022994
Score: 7.25963
Type of gen. func.: ogf

$$-(2 f(x) - 1445) (f(x) x^{2} - 2 f(x) x + f(x) + 39 x - 38)$$

Sequence: A022994
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 38, a(1) = 37\}$$

Sequence: A022995
Score: 14.5192
Type of gen. func.: ogf

$$-\frac{40 x - 39}{(x - 1)^{2}}$$

Sequence: A022995
Score: 19.9053
Type of gen. func.: revogf

$$-\frac{-39 - 2 x + (1521 - 4 x)^{1/2}}{2 (40 + x)}$$

Sequence: A022995
Score: 26.0828
Type of gen. func.: lgdogf

$$-\frac{2 (20 x - 19)}{(40 x - 39) (x - 1)}$$

Sequence: A022995
Score: 7.33769
Type of gen. func.: ogf

$$-(f(x) - 761) (f(x) x^2 - 2 f(x) x + f(x) + 40 x - 39)$$

Sequence: A022995
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 39, a(1) = 38\}$$

Sequence: A022996
Score: 14.5192
Type of gen. func.: ogf

$$-\frac{41 x - 40}{(x - 1)^2}$$

Sequence: A022996
Score: 25.9410
Type of gen. func.: revogf

$$-\frac{-20 - x + (400 - x)^{1/2}}{41 + x}$$

Sequence: A022996
Score: 27.8626

Type of gen. func.: lgdogf

$$-\frac{-39 + 41 x}{(41 x - 40) (x - 1)}$$

Sequence: A022996
Score: 7.25963
Type of gen. func.: ogf

$$-(2 f(x) - 1601) (f(x) x^{2} - 2 f(x) x + f(x) + 41 x - 40)$$

Sequence: A022996
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 40, a(1) = 39\}$$

Sequence: A022997
Score: 4.37711
Type of gen. func.: ogf

$$\{(2 n^{2} + 19 n + 45) a(n + 1) + (-2 n^{2} - 7 n - 5) a(n + 3), a(0) = 0, a(1) = 15, a(2) = 28\}$$

Sequence: A022997
Score: 5.62771
Type of gen. func.: ogf

$$\frac{x (x^{6} + 5 x^{4} + 20 x^{3} + 75 x^{2} + 28 x + 15)}{(x - 1)^{4} (x + 1)^{4}}$$

Sequence: A022997
Score: 6.24108
Type of gen. func.: lgdogf

$$-\frac{2 (x^{7} + 13 x^{5} + 50 x^{4} + 235 x^{3} + 128 x^{2} + 135 x + 14)}{}$$

$$(x - 1) (x + 1) (x^6 + 5 x^4 + 20 x^3 + 75 x^2 + 28 x + 15)$$

Sequence: A022998
Score: 14.3187
Type of gen. func.: ogf

$$\frac{x (x^2 + 4 x + 1)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A022998
Score: 19.5632
Type of gen. func.: lgdogf

$$- \frac{2 (x^3 + 6 x^2 + 3 x + 2)}{(x - 1) (x + 1) (x^2 + 4 x + 1)}$$

Sequence: A022998
Score: 7.59512
Type of gen. func.: ogf

$$\{(n + 3) a(n + 1) + (-n - 1) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 4\}$$

Sequence: A022998
Score: 8.56312
Type of gen. func.: ogf

$$-(8 f(x) + 13) (f(x) x^4 - 2 f(x) x^2 - x^3 - 4 x^2 + f(x) - x)$$

Sequence: A023000
Score: 10.114
Type of gen. func.: ogf

$$-7 f(x) x^2 + 8 f(x) x - f(x) + x$$

Sequence: A023000
Score: 15.4630
Type of gen. func.: revogf

$$-\frac{-1 - 8 x + (36 x^2 + 16 x + 1)^{1/2}}{14 x}$$

Sequence: A023000
Score: 18.0826
Type of gen. func.: ogf

$$\frac{x}{(7 x - 1) (x - 1)}$$

Sequence: A023000
Score: 23.5037
Type of gen. func.: lgdogf

$$-\frac{2 (-4 + 7 x)}{(7 x - 1) (x - 1)}$$

Sequence: A023000
Score: 7.36699
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 7 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A023001
Score: 10.63
Type of gen. func.: ogf

$$-8 f(x) x^2 + 9 f(x) x - f(x) + x$$

Sequence: A023001
Score: 16.2641
Type of gen. func.: revogf

$$-1 - 9 x + (49 x^2 + 18 x + 1)^{1/2}$$

```
                       - --------------------------------
                                       16 x



------------------------------------------------------------------------------

Sequence:  A023001
Score: 19.0052
Type of gen. func.: ogf


                                       x
                               -----------------
                               (8 x - 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A023001
Score: 24.7215
Type of gen. func.: lgdogf


                                    -9 + 16 x
                              - -----------------
                                (8 x - 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A023001
Score: 7.74285
Type of gen. func.: ogf


              {a(n + 2) - 9 a(n + 1) + 8 a(n), a(0) = 0, a(1) = 1}



------------------------------------------------------------------------------

Sequence:  A023003
Score: 31.4689
Type of gen. func.: ogf_with_Euler_transform]


                                       4
                                     ------
                                     -x + 1



------------------------------------------------------------------------------

Sequence:  A023004
Score: 32.0048
Type of gen. func.: ogf_with_Euler_transform]


                                       5
                                     ------
                                     -x + 1



------------------------------------------------------------------------------

Sequence:  A023005
```

Score: 30.4404
Type of gen. func.: ogf_with_Euler_transform]

```
   6
------
-x + 1
```

Sequence: A023006
Score: 38.8163
Type of gen. func.: ogf_with_Euler_transform]

```
   7
------
-x + 1
```

Sequence: A023007
Score: 29.9262
Type of gen. func.: ogf_with_Euler_transform]

```
   8
------
-x + 1
```

Sequence: A023008
Score: 29.3229
Type of gen. func.: ogf_with_Euler_transform]

```
   9
------
-x + 1
```

Sequence: A023009
Score: 29.0723
Type of gen. func.: ogf_with_Euler_transform]

```
   10
------
-x + 1
```

Sequence: A023010
Score: 28.1033
Type of gen. func.: ogf_with_Euler_transform]

```
   11
------
```

$$-x + 1$$

Sequence: A023011
Score: 27.6246
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{13}{-x + 1}$$

Sequence: A023012
Score: 24.2528
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{14}{-x + 1}$$

Sequence: A023013
Score: 24.7283
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{15}{-x + 1}$$

Sequence: A023014
Score: 27.4958
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{16}{-x + 1}$$

Sequence: A023015
Score: 27.9782
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{17}{-x + 1}$$

Sequence: A023016
Score: 24.0049
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{18}{-x + 1}$$

Sequence: A023017
Score: 24.7075
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{19}{-x + 1}$$

Sequence: A023018
Score: 24.7075
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{20}{-x + 1}$$

Sequence: A023019
Score: 23.2745
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{21}{-x + 1}$$

Sequence: A023020
Score: 23.3897
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{22}{-x + 1}$$

Sequence: A023021
Score: 28.6516
Type of gen. func.: ogf_with_Euler_transform]

$$23$$

```
------
-x + 1
```

Sequence: A023038
Score: 15.1089
Type of gen. func.: ogf

$$-\frac{6 x - 1}{x^{2} - 12 x + 1}$$

Sequence: A023038
Score: 7.55446
Type of gen. func.: ogf

$$-(35 f(x) - 17) (f(x) x^{2} - 12 f(x) x + f(x) + 6 x - 1)$$

Sequence: A023038
Score: 8.37360
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A023039
Score: 11.9488
Type of gen. func.: ogf

$$-\frac{9 x - 1}{x^{2} - 18 x + 1}$$

Sequence: A023039
Score: 15.3803
Type of gen. func.: lgdogf

$$-\frac{9 x^{2} - 2 x + 9}{(9 x - 1) (x^{2} - 18 x + 1)}$$

Sequence: A023039
Score: 5.91014
Type of gen. func.: ogf

$$-(160 f(x) - 79) (f(x) x^2 - 18 f(x) x + f(x) + 9 x - 1)$$

Sequence: A023039
Score: 6.62220
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1) + a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A023043
Score: 5.39984
Type of gen. func.: egf]

$$-\frac{x^6 + 15 x^4 + 40 x^3 + 135 x^2 + 264 x + 265}{(x - 1)^7}$$

Sequence: A023053
Score: 13.0265
Type of gen. func.: revogf

$$\frac{(-x + 1 + ((5 x - 1) (x - 1))^{1/2}) x}{2 (x - 1)^2}$$

Sequence: A023053
Score: 6.29235
Type of gen. func.: ogf

$$f(x)^3 x^3 + f(x)^3 x^2 - f(x)^3 x - 3 f(x)^2 x^2 - 2 f(x)^2 x + 3 f(x) x + f(x) - 1$$

Sequence: A023054
Score: 26.6894
Type of gen. func.: ogf_with_Euler_transform]

$$-x^4 + x^2 + 2x + 1$$

Sequence: A023054
Score: 9.11729
Type of gen. func.: ogf

$$-\frac{x^4 + x^3 + x^2 + x + 1}{(x^2 + x + 1)(x + 1)^2 (x - 1)^3}$$

Sequence: A023054
Score: 9.86364
Type of gen. func.: lgdogf

$$-\frac{3x^7 + 7x^6 + 13x^5 + 19x^4 + 24x^3 + 16x^2 + 7x + 1}{(x - 1)(x + 1)(x^2 + x + 1)(x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A023105
Score: 11.5412
Type of gen. func.: ogf

$$-\frac{x^3 + 3x^2 - 1}{(x - 1)(2x - 1)(x + 1)}$$

Sequence: A023105
Score: 12.2660
Type of gen. func.: lgdogf

$$-\frac{7x^4 + 4x^3 - 3x^2 - 4x + 2}{(x - 1)(2x - 1)(x + 1)(x^3 + 3x^2 - 1)}$$

Sequence: A023105
Score: 5.68317
Type of gen. func.: ogf

$\{a(n + 4) - 2 a(n + 3) - a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 2, a(3) = 3\}$

Sequence: A023105
Score: 6.30402
Type of gen. func.: ogf

$$-(f(x) - 3) (2 f(x) x^3 - f(x) x^2 + x^3 - 2 f(x) x + 3 x^2 + f(x) - 1)$$

Sequence: A023111
Score: 5.23502
Type of gen. func.: ogf

$\{a(n + 3) - 1443 a(n + 2) + 1443 a(n + 1) - a(n), a(0) = 0, a(1) = 36, a(2) = 51984\}$

Sequence: A023111
Score: 5.45874
Type of gen. func.: ogf

$$(361 f(x) + 9) (f(x) x^3 - 1443 f(x) x^2 + 1443 f(x) x + 36 x^2 - f(x) + 36 x)$$

Sequence: A023111
Score: 9.82574
Type of gen. func.: ogf

$$-\frac{36 x (x + 1)}{(x - 1) (x^2 - 1442 x + 1)}$$

Sequence: A023112
Score: 3.53884
Type of gen. func.: ogf

$\{a(n + 3) - 1443 a(n + 2) + 1443 a(n + 1) - a(n), a(0) = 0, a(1) = 144, a(2) = 207936\}$

Sequence: A023112
Score: 6.54949
Type of gen. func.: ogf

$$-\frac{144\,x\,(x+1)}{(x-1)\,(x^{2}-1442\,x+1)}$$

Sequence: A023113
Score: 5.04802
Type of gen. func.: ogf

$$-\frac{x^{4}+24\,x^{3}+382\,x^{2}+24\,x+1}{(x-1)\,(x^{2}+38\,x+1)\,(x^{2}-38\,x+1)}$$

Sequence: A023114
Score: 5.00807
Type of gen. func.: ogf

$$-\frac{4\,x\,(x+1)\,(x^{4}+2\,x^{3}+75\,x^{2}+2\,x+1)}{(x-1)\,(x^{6}-1442\,x^{3}+1)}$$

Sequence: A023358
Score: 10.4407
Type of gen. func.: lgdogf

$$-(27\,x^{26}+8\,x^{7}+1)\;\Big/\;((x^{2}+1)\,(x^{25}-x^{23}+x^{21}-x^{19}+x^{17}-x^{15}+x^{13}$$
$$-x^{11}+x^{9}-x^{7}+x^{6}+x^{5}-x^{4}-x^{3}+x^{2}+x-1))$$

Sequence: A023358
Score: 25.2533
Type of gen. func.: ogf

$$-1/((x^{2}+1)\,(x^{25}-x^{23}+x^{21}-x^{19}+x^{17}-x^{15}+x^{13}-x^{11}+x^{9}-x^{7}+x^{6}$$

$$^{5}\qquad ^{4}\qquad ^{3}\qquad ^{2}$$

$+ x - x - x + x + x - 1))$

Sequence: A023421
Score: 5.67176
Type of gen. func.: ogf

$$-(f(x) - 1) (-f(x) x^4 + f(x)^2 x^2 - f(x) x^3 - f(x) x^2 + f(x) x - f(x) + 1)$$

Sequence: A023424
Score: 7.89905
Type of gen. func.: lgdogf

$$- \frac{5 x^8 + 8 x^7 + 8 x^6 + 4 x^5 - 5 x^4 + 20 x^3 + 14 x^2 + 8 x + 3}{(5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1) (x^5 + x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A023424
Score: 8.64527
Type of gen. func.: ogf

$$- \frac{5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1}{x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A023425
Score: 9.86322
Type of gen. func.: ogf

$$-f(x) x^3 - f(x) x^2 + x^3 + f(x)^2 + x^2 - 3 f(x) + x + 2$$

Sequence: A023426
Score: 12.0868
Type of gen. func.: ogf

$$-f(x)^2 x^4 - f(x) x + f(x) - 1$$

Sequence: A023427
Score: 8.95871
Type of gen. func.: ogf

$$f(x)\,(f(x)^2\,x^4 - f(x)\,x^4 + f(x)\,x - f(x) + 1)$$

Sequence: A023431
Score: 11.6748
Type of gen. func.: ogf

$$f(x)^2\,x^3 + f(x)\,x - f(x) + 1$$

Sequence: A023431
Score: 17.7586
Type of gen. func.: revogf

$$\frac{-1 - x + (4\,x^3 + x^2 + 2\,x + 1)^{1/2}}{2\,x^2}$$

Sequence: A023432
Score: 10.4107
Type of gen. func.: ogf

$$f(x)^2\,x^3 - f(x)\,x^3 + f(x)\,x - f(x) + 1$$

Sequence: A023433
Score: 6.52361
Type of gen. func.: ogf

$$-(f(x) - 1)\,(f(x)^2\,x^3 - f(x)\,x^4 - f(x)\,x^3 + f(x)\,x - f(x) + 1)$$

Sequence: A023434
Score: 10.5004
Type of gen. func.: ogf

$$-f(x)\,x^4 + f(x)\,x^2 + f(x)\,x - f(x) + x$$

Sequence: A023434
Score: 19.7203
Type of gen. func.: ogf

$$\frac{x}{(x - 1) (x^{3} + x^{2} - 1)}$$

Sequence: A023434
Score: 24.1509
Type of gen. func.: lgdogf

$$- \frac{4 x^{3} - 2 x - 1}{(x - 1) (x^{3} + x^{2} - 1)}$$

Sequence: A023435
Score: 15.9076
Type of gen. func.: lgdogf

$$- \frac{5 x^{4} - 2 x - 1}{(x - 1) (x + 1) (x^{3} + x - 1)}$$

Sequence: A023435
Score: 18.7528
Type of gen. func.: ogf

$$\frac{x}{(x - 1) (x + 1) (x^{3} + x - 1)}$$

Sequence: A023436
Score: 14.1227
Type of gen. func.: ogf

$$\frac{x}{{}^{5} \quad {}^{4} \quad {}^{3} \quad {}^{2}}$$

$$(x - 1) (x + x + x + x - 1)$$

Sequence: A023436
Score: 15.2363
Type of gen. func.: lgdogf

$$-\frac{6 x^{5} - 2 x - 1}{(x - 1) (x^{5} + x^{4} + x^{3} + x^{2} - 1)}$$

Sequence: A023437
Score: 13.7766
Type of gen. func.: ogf

$$\frac{x}{(x - 1) (x + 1) (x^{5} + x^{3} + x - 1)}$$

Sequence: A023437
Score: 14.8585
Type of gen. func.: lgdogf

$$-\frac{7 x^{6} - 2 x - 1}{(x - 1) (x + 1) (x^{5} + x^{3} + x - 1)}$$

Sequence: A023438
Score: 12.4326
Type of gen. func.: lgdogf

$$-\frac{8 x^{7} - 2 x - 1}{(x - 1) (x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} - 1)}$$

Sequence: A023438
Score: 13.7766
Type of gen. func.: ogf

$$x$$

$$\frac{}{(x - 1) (x^7 + x^6 + x^5 + x^4 + x^3 + x^2 - 1)}$$

Sequence: A023439
Score: 13.6970
Type of gen. func.: lgdogf

$$- \frac{9 x^8 - 2 x - 1}{(x - 1) (x + 1) (x^7 + x^5 + x^3 + x - 1)}$$

Sequence: A023439
Score: 13.9359
Type of gen. func.: ogf

$$\frac{x}{(x - 1) (x + 1) (x^7 + x^5 + x^3 + x - 1)}$$

Sequence: A023440
Score: 10.6888
Type of gen. func.: lgdogf

$$- \frac{10 x^9 - 2 x - 1}{(x - 1) (x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 - 1)}$$

Sequence: A023440
Score: 13.7109
Type of gen. func.: ogf

$$\frac{x}{(x - 1) (x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 - 1)}$$

Sequence: A023441
Score: 12.1559
Type of gen. func.: lgdogf

$$-\frac{11 x^{10} - 2 x - 1}{(x - 1) (x + 1) (x^9 + x^7 + x^5 + x^3 + x - 1)}$$

Sequence: A023441
Score: 13.7109
Type of gen. func.: ogf

$$\frac{x}{(x - 1) (x + 1) (x^9 + x^7 + x^5 + x^3 + x - 1)}$$

Sequence: A023442
Score: 13.7109
Type of gen. func.: ogf

$$\frac{x}{(x - 1) (x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 - 1)}$$

Sequence: A023442
Score: 8.98477
Type of gen. func.: lgdogf

$$-\frac{12 x^{11} - 2 x - 1}{(x - 1) (x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 - 1)}$$

Sequence: A023443
Score: 11.5133
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -1, a(1) = 0\}$$

Sequence: A023443
Score: 14.8028
Type of gen. func.: ogf

$$f(x) x^2 - 2 f(x) x + f(x) - 2 x + 1$$

Sequence: A023443
Score: 20.7240
Type of gen. func.: ogf

$$\frac{2x-1}{(x-1)^2}$$

Sequence: A023443
Score: 27.9983
Type of gen. func.: revogf

$$\frac{-1+2x+(1+4x)^{1/2}}{2(-2+x)}$$

Sequence: A023443
Score: 51.3302
Type of gen. func.: lgdogf

$$-\frac{2x}{(2x-1)(x-1)}$$

Sequence: A023444
Score: 14.7980
Type of gen. func.: ogf

$$\frac{3x-2}{(x-1)^2}$$

Sequence: A023444
Score: 26.4741
Type of gen. func.: revogf

$$\frac{-1+x+(x+1)^{1/2}}{-3+x}$$

Sequence: A023444
Score: 28.7762
Type of gen. func.: lgdogf

$$-\frac{-1 + 3 x}{(3 x - 2) (x - 1)}$$

Sequence: A023444
Score: 7.48216
Type of gen. func.: ogf

$$-(f(x) + 2) (f(x) x^2 - 2 f(x) x + f(x) - 3 x + 2)$$

Sequence: A023444
Score: 8.12088
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -2, a(1) = -1\}$$

Sequence: A023445
Score: 10.744
Type of gen. func.: ogf

$$f(x) x^2 - 2 f(x) x + f(x) - 4 x + 3$$

Sequence: A023445
Score: 15.0416
Type of gen. func.: ogf

$$\frac{4 x - 3}{(x - 1)^2}$$

Sequence: A023445
Score: 20.5113
Type of gen. func.: revogf

$$\frac{-3 + 2 x + (9 + 4 x)}{2 (-4 + x)}$$

Sequence: A023445
Score: 28.2030
Type of gen. func.: lgdogf

$$- \frac{2 (2 x - 1)}{(4 x - 3) (x - 1)}$$

Sequence: A023445
Score: 8.25454
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -3, a(1) = -2\}$$

Sequence: A023446
Score: 14.9510
Type of gen. func.: ogf

$$\frac{5 x - 4}{(x - 1)^{2}}$$

Sequence: A023446
Score: 27.0749
Type of gen. func.: revogf

$$\frac{-2 + x + (4 + x)^{1/2}}{-5 + x}$$

Sequence: A023446
Score: 29.4292
Type of gen. func.: lgdogf

$$- \frac{-3 + 5 x}{(5 x - 4) (x - 1)}$$

Sequence: A023446
Score: 7.47549
Type of gen. func.: ogf

$$-(2 f(x) + 17) (f(x) x^2 - 2 f(x) x + f(x) - 5 x + 4)$$

Sequence: A023446
Score: 8.20480
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -4, a(1) = -3\}$$

Sequence: A023447
Score: 14.8604
Type of gen. func.: ogf

$$\frac{6 x - 5}{(x - 1)^2}$$

Sequence: A023447
Score: 19.9080
Type of gen. func.: revogf

$$\frac{-5 + 2 x + (25 + 4 x)^{1/2}}{2 (-6 + x)}$$

Sequence: A023447
Score: 28.2030
Type of gen. func.: lgdogf

$$- \frac{2 (3 x - 2)}{(6 x - 5) (x - 1)}$$

Sequence: A023447
Score: 7.26865
Type of gen. func.: ogf

$$-(25 f(x) + 253) (f(x) x^2 - 2 f(x) x + f(x) - 6 x + 5)$$

Sequence: A023447
Score: 8.15509
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -5, a(1) = -4\}$$

Sequence: A023448
Score: 15.1036
Type of gen. func.: ogf

$$\frac{7 x - 6}{(x - 1)^2}$$

Sequence: A023448
Score: 27.6777
Type of gen. func.: revogf

$$\frac{-3 + x + (9 + x)^{1/2}}{-7 + x}$$

Sequence: A023448
Score: 30.0845
Type of gen. func.: lgdogf

$$-\frac{-5 + 7 x}{(7 x - 6) (x - 1)}$$

Sequence: A023448
Score: 7.90304
Type of gen. func.: ogf

$$(2 f(x) + 37) (f(x) x^2 - 2 f(x) x + f(x) - 7 x + 6)$$

Sequence: A023448
Score: 8.28854
Type of gen. func.: ogf

$$\{-a(n+2) + 2 a(n+1) - a(n), a(0) = -6, a(1) = -5\}$$

Sequence: A023449
Score: 15.0126
Type of gen. func.: ogf

$$\frac{8 x - 7}{(x - 1)^2}$$

Sequence: A023449
Score: 20.3513
Type of gen. func.: revogf

$$\frac{-7 + 2 x + (49 + 4 x)^{1/2}}{2 (-8 + x)}$$

Sequence: A023449
Score: 28.8310
Type of gen. func.: lgdogf

$$-\frac{2 (4 x - 3)}{(8 x - 7) (x - 1)}$$

Sequence: A023449
Score: 7.85543
Type of gen. func.: ogf

$$(f(x) + 25) (f(x) x^2 - 2 f(x) x + f(x) - 8 x + 7)$$

Sequence: A023449
Score: 8.23861
Type of gen. func.: ogf

$$\{-a(n+2) + 2 a(n+1) - a(n), a(0) = -7, a(1) = -6\}$$

Sequence: A023450
Score: 14.9216
Type of gen. func.: ogf

$$\frac{9 x - 8}{(x - 1)^2}$$

Sequence: A023450
Score: 26.6132
Type of gen. func.: revogf

$$\frac{-4 + x + (16 + x)^{1/2}}{-9 + x}$$

Sequence: A023450
Score: 30.0845
Type of gen. func.: lgdogf

$$- \frac{-7 + 9 x}{(9 x - 8) (x - 1)}$$

Sequence: A023450
Score: 7.80782
Type of gen. func.: ogf

$$(2 f(x) + 65) (f(x) x^2 - 2 f(x) x + f(x) - 9 x + 8)$$

Sequence: A023450
Score: 8.18868
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -8, a(1) = -7\}$$

Sequence: A023451
Score: 14.8349
Type of gen. func.: ogf

$$\frac{10 x - 9}{(x - 1)^2}$$

Sequence: A023451
Score: 20.2020
Type of gen. func.: revogf

$$\frac{-9 + 2 x + (81 + 4 x)^{1/2}}{2 (-10 + x)}$$

Sequence: A023451
Score: 28.2828
Type of gen. func.: lgdogf

$$- \frac{2 (5 x - 4)}{(10 x - 9) (x - 1)}$$

Sequence: A023451
Score: 7.84374
Type of gen. func.: ogf

$$(f(x) + 41) (f(x) x^2 - 2 f(x) x + f(x) - 10 x + 9)$$

Sequence: A023451
Score: 8.32200
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -9, a(1) = -8\}$$

Sequence: A023452
Score: 14.5192
Type of gen. func.: ogf

$$\frac{11 x - 10}{(x - 1)^2}$$

Sequence: A023452
Score: 26.3400
Type of gen. func.: revogf

$$\frac{-5 + x + (25 + x)^{1/2}}{-11 + x}$$

Sequence: A023452
Score: 27.3531
Type of gen. func.: lgdogf

$$-\frac{-9 + 11 x}{(11 x - 10) (x - 1)}$$

Sequence: A023452
Score: 7.66747
Type of gen. func.: ogf

$$(2 f(x) + 101) (f(x) x^2 - 2 f(x) x + f(x) - 11 x + 10)$$

Sequence: A023452
Score: 8.22173
Type of gen. func.: ogf

{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -10, a(1) = -9}

Sequence: A023453
Score: 14.5192
Type of gen. func.: ogf

$$\frac{12 x - 11}{(x - 1)^2}$$

Sequence: A023453
Score: 19.3322
Type of gen. func.: revogf

$$\frac{-11 + 2 x + (121 + 4 x)^{1/2}}{2 (-12 + x)}$$

Sequence: A023453
Score: 26.4923
Type of gen. func.: lgdogf

$$- \frac{2 (6 x - 5)}{(12 x - 11) (x - 1)}$$

Sequence: A023453
Score: 7.7546
Type of gen. func.: ogf

$$(f(x) + 61) (f(x) x^2 - 2 f(x) x + f(x) - 12 x + 11)$$

Sequence: A023453
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -11, a(1) = -10\}$$

Sequence: A023454
Score: 14.5192
Type of gen. func.: ogf

$$\frac{13 x - 12}{(x - 1)^2}$$

Sequence: A023454
Score: 26.6445
Type of gen. func.: revogf

$$\frac{-6 + x + (36 + x)^{1/2}}{-13 + x}$$

Sequence: A023454
Score: 26.6445
Type of gen. func.: lgdogf

$$-\frac{-11 + 13 x}{(13 x - 12) (x - 1)}$$

Sequence: A023454
Score: 7.66747
Type of gen. func.: ogf

$$(2 f(x) + 145) (f(x) x^2 - 2 f(x) x + f(x) - 13 x + 12)$$

Sequence: A023454
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -12, a(1) = -11\}$$

Sequence: A023455
Score: 14.5192
Type of gen. func.: ogf

$$\frac{14 x - 13}{(x - 1)^2}$$

Sequence: A023455
Score: 19.5544
Type of gen. func.: revogf

$$\frac{-13 + 2 x + (169 + 4 x)^{1/2}}{2 (-14 + x)}$$

Sequence: A023455
Score: 26.7968
Type of gen. func.: lgdogf

$$-\frac{2\,(7x-6)}{(14x-13)\,(x-1)}$$

Sequence: A023455
Score: 7.7546
Type of gen. func.: ogf

$$(f(x)+85)\,(f(x)\,x^2-2\,f(x)\,x+f(x)-14\,x+13)$$

Sequence: A023455
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n+2)+2\,a(n+1)-a(n),\ a(0)=-13,\ a(1)=-12\}$$

Sequence: A023456
Score: 14.5192
Type of gen. func.: ogf

$$\frac{15x-14}{(x-1)^2}$$

Sequence: A023456
Score: 26.9490
Type of gen. func.: revogf

$$\frac{-7+x+(49+x)^{1/2}}{-15+x}$$

Sequence: A023456
Score: 26.9490
Type of gen. func.: lgdogf

$$-\frac{-13+15x}{(15x-14)\,(x-1)}$$

Sequence: A023456
Score: 7.66747
Type of gen. func.: ogf

$$(2 f(x) + 197) (f(x) x^2 - 2 f(x) x + f(x) - 15 x + 14)$$

Sequence: A023456
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -14, a(1) = -13\}$$

Sequence: A023457
Score: 14.5192
Type of gen. func.: ogf

$$\frac{16 x - 15}{(x - 1)^2}$$

Sequence: A023457
Score: 19.7766
Type of gen. func.: revogf

$$\frac{-15 + 2 x + (225 + 4 x)^{1/2}}{2 (-16 + x)}$$

Sequence: A023457
Score: 27.1013
Type of gen. func.: lgdogf

$$- \frac{2 (8 x - 7)}{(16 x - 15) (x - 1)}$$

Sequence: A023457
Score: 7.66747
Type of gen. func.: ogf

$$(f(x) + 113) (f(x) x^2 - 2 f(x) x + f(x) - 16 x + 15)$$

Sequence: A023457
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -15, a(1) = -14\}$$

Sequence: A023458
Score: 14.5192
Type of gen. func.: ogf

$$\frac{17 x - 16}{(x - 1)^2}$$

Sequence: A023458
Score: 27.2535
Type of gen. func.: revogf

$$\frac{-8 + x + (64 + x)^{1/2}}{-17 + x}$$

Sequence: A023458
Score: 27.2535
Type of gen. func.: lgdogf

$$- \frac{-15 + 17 x}{(17 x - 16) (x - 1)}$$

Sequence: A023458
Score: 7.66747
Type of gen. func.: ogf

$$(2 f(x) + 257) (f(x) x^2 - 2 f(x) x + f(x) - 17 x + 16)$$

Sequence: A023458
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -16, a(1) = -15\}$$

Sequence: A023459
Score: 14.5192
Type of gen. func.: ogf

$$\frac{18 x - 17}{(x - 1)^2}$$

Sequence: A023459
Score: 19.9988
Type of gen. func.: revogf

$$\frac{-17 + 2 x + (289 + 4 x)^{1/2}}{2 (-18 + x)}$$

Sequence: A023459
Score: 28.4599
Type of gen. func.: lgdogf

$$- \frac{2 (9 x - 8)}{(18 x - 17) (x - 1)}$$

Sequence: A023459
Score: 7.66747
Type of gen. func.: ogf

$$(f(x) + 145) (f(x) x^2 - 2 f(x) x + f(x) - 18 x + 17)$$

Sequence: A023459
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -17, a(1) = -16\}$$

Sequence: A023460
Score: 14.5192
Type of gen. func.: ogf

$$\frac{19 x - 18}{(x - 1)^{2}}$$

Sequence: A023460
Score: 27.5581
Type of gen. func.: revogf

$$\frac{-9 + x + (81 + x)^{1/2}}{-19 + x}$$

Sequence: A023460
Score: 27.5581
Type of gen. func.: lgdogf

$$- \frac{-17 + 19 x}{(19 x - 18) (x - 1)}$$

Sequence: A023460
Score: 7.66747
Type of gen. func.: ogf

$$(2 f(x) + 325) (f(x) x^{2} - 2 f(x) x + f(x) - 19 x + 18)$$

Sequence: A023460
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -18, a(1) = -17\}$$

Sequence: A023461
Score: 14.5192

Type of gen. func.: ogf

$$\frac{20 x - 19}{(x - 1)^2}$$

Sequence: A023461
Score: 20.2210
Type of gen. func.: revogf

$$\frac{-19 + 2 x + (361 + 4 x)^{1/2}}{2 (-20 + x)}$$

Sequence: A023461
Score: 27.7103
Type of gen. func.: lgdogf

$$- \frac{2 (10 x - 9)}{(20 x - 19) (x - 1)}$$

Sequence: A023461
Score: 7.66747
Type of gen. func.: ogf

$$(f(x) + 181) (f(x) x^2 - 2 f(x) x + f(x) - 20 x + 19)$$

Sequence: A023461
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -19, a(1) = -18\}$$

Sequence: A023462
Score: 14.5192
Type of gen. func.: ogf

$$\frac{21 x - 20}{(x - 1)^2}$$

Sequence: A023462
Score: 25.9410
Type of gen. func.: revogf

$$\frac{-10 + x + (100 + x)^{1/2}}{-21 + x}$$

Sequence: A023462
Score: 27.8626
Type of gen. func.: lgdogf

$$- \frac{-19 + 21 x}{(21 x - 20) (x - 1)}$$

Sequence: A023462
Score: 7.66747
Type of gen. func.: ogf

$$(2 f(x) + 401) (f(x) x^2 - 2 f(x) x + f(x) - 21 x + 20)$$

Sequence: A023462
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -20, a(1) = -19\}$$

Sequence: A023463
Score: 14.5192
Type of gen. func.: ogf

$$\frac{22 x - 21}{(x - 1)^2}$$

Sequence: A023463
Score: 20.4432

Type of gen. func.: revogf

$$\frac{-21 + 2 x + (441 + 4 x)^{1/2}}{2 (-22 + x)}$$

Sequence: A023463
Score: 27.0143
Type of gen. func.: lgdogf

$$- \frac{2 (11 x - 10)}{(22 x - 21) (x - 1)}$$

Sequence: A023463
Score: 7.66747
Type of gen. func.: ogf

$$(f(x) + 221) (f(x) x^2 - 2 f(x) x + f(x) - 22 x + 21)$$

Sequence: A023463
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -21, a(1) = -20\}$$

Sequence: A023464
Score: 14.5192
Type of gen. func.: ogf

$$\frac{23 x - 22}{(x - 1)^2}$$

Sequence: A023464
Score: 26.2245
Type of gen. func.: revogf

$$\frac{-11 + x + (121 + x)^{1/2}}{-23 + x}$$

Sequence: A023464
Score: 28.1671
Type of gen. func.: lgdogf

$$-\frac{-21 + 23 x}{(23 x - 22) (x - 1)}$$

Sequence: A023464
Score: 7.66747
Type of gen. func.: ogf

$$(2 f(x) + 485) (f(x) x^2 - 2 f(x) x + f(x) - 23 x + 22)$$

Sequence: A023464
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -22, a(1) = -21\}$$

Sequence: A023465
Score: 14.5192
Type of gen. func.: ogf

$$\frac{24 x - 23}{(x - 1)^2}$$

Sequence: A023465
Score: 20.6655
Type of gen. func.: revogf

$$\frac{-23 + 2 x + (529 + 4 x)^{1/2}}{2 (-24 + x)}$$

Sequence: A023465
Score: 27.3079

Type of gen. func.: lgdogf

$$-\frac{2\,(12\,x-11)}{(24\,x-23)\,(x-1)}$$

Sequence: A023465
Score: 7.66747
Type of gen. func.: ogf

$$(f(x)+265)\,(f(x)\,x^{2}-2\,f(x)\,x+f(x)-24\,x+23)$$

Sequence: A023465
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n+2)+2\,a(n+1)-a(n),\ a(0)=-23,\ a(1)=-22\}$$

Sequence: A023466
Score: 14.5192
Type of gen. func.: ogf

$$\frac{25\,x-24}{(x-1)^{2}}$$

Sequence: A023466
Score: 26.5080
Type of gen. func.: revogf

$$\frac{-12+x+(144+x)^{1/2}}{-25+x}$$

Sequence: A023466
Score: 28.4716
Type of gen. func.: lgdogf

$$-\frac{-23+25\,x}{(25\,x-24)\,(x-1)}$$

Sequence: A023466
Score: 7.66747
Type of gen. func.: ogf

$$(2 f(x) + 577) (f(x) x^2 - 2 f(x) x + f(x) - 25 x + 24)$$

Sequence: A023466
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -24, a(1) = -23\}$$

Sequence: A023467
Score: 14.5192
Type of gen. func.: ogf

$$\frac{26 x - 25}{(x - 1)^2}$$

Sequence: A023467
Score: 20.8877
Type of gen. func.: revogf

$$\frac{-25 + 2 x + (625 + 4 x)^{1/2}}{2 (-26 + x)}$$

Sequence: A023467
Score: 27.6016
Type of gen. func.: lgdogf

$$- \frac{2 (13 x - 12)}{(26 x - 25) (x - 1)}$$

Sequence: A023467
Score: 7.66747
Type of gen. func.: ogf

$$(f(x) + 313) (f(x) x^2 - 2 f(x) x + f(x) - 26 x + 25)$$

Sequence: A023467
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -25, a(1) = -24\}$$

Sequence: A023468
Score: 14.5192
Type of gen. func.: ogf

$$\frac{27 x - 26}{(x - 1)^2}$$

Sequence: A023468
Score: 26.7915
Type of gen. func.: revogf

$$\frac{-13 + x + (169 + x)^{1/2}}{-27 + x}$$

Sequence: A023468
Score: 28.7761
Type of gen. func.: lgdogf

$$- \frac{-25 + 27 x}{(27 x - 26) (x - 1)}$$

Sequence: A023468
Score: 7.66747
Type of gen. func.: ogf

$$(2 f(x) + 677) (f(x) x^2 - 2 f(x) x + f(x) - 27 x + 26)$$

Sequence: A023468
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -26, a(1) = -25\}$$

Sequence: A023469
Score: 14.5192
Type of gen. func.: ogf

$$\frac{28 x - 27}{(x - 1)^2}$$

Sequence: A023469
Score: 21.1099
Type of gen. func.: revogf

$$\frac{-27 + 2 x + (729 + 4 x)^{1/2}}{2 (-28 + x)}$$

Sequence: A023469
Score: 27.8952
Type of gen. func.: lgdogf

$$- \frac{2 (14 x - 13)}{(28 x - 27) (x - 1)}$$

Sequence: A023469
Score: 7.66747
Type of gen. func.: ogf

$$(f(x) + 365) (f(x) x^2 - 2 f(x) x + f(x) - 28 x + 27)$$

Sequence: A023469
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -27, a(1) = -26\}$$

Sequence: A023470
Score: 14.5192
Type of gen. func.: ogf

$$\frac{29 x - 28}{(x - 1)^2}$$

Sequence: A023470
Score: 27.0750
Type of gen. func.: revogf

$$\frac{-14 + x + (196 + x)^{1/2}}{-29 + x}$$

Sequence: A023470
Score: 29.0806
Type of gen. func.: lgdogf

$$-\frac{-27 + 29 x}{(29 x - 28) (x - 1)}$$

Sequence: A023470
Score: 7.66747
Type of gen. func.: ogf

$$(2 f(x) + 785) (f(x) x^2 - 2 f(x) x + f(x) - 29 x + 28)$$

Sequence: A023470
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -28, a(1) = -27\}$$

Sequence: A023471

Score: 14.5192
Type of gen. func.: ogf

$$\frac{30 x - 29}{(x - 1)^{2}}$$

Sequence: A023471
Score: 21.3321
Type of gen. func.: revogf

$$\frac{-29 + 2 x + (841 + 4 x)^{1/2}}{2 (-30 + x)}$$

Sequence: A023471
Score: 28.1888
Type of gen. func.: lgdogf

$$- \frac{2 (15 x - 14)}{(30 x - 29) (x - 1)}$$

Sequence: A023471
Score: 7.66747
Type of gen. func.: ogf

$$(f(x) + 421) (f(x) x^{2} - 2 f(x) x + f(x) - 30 x + 29)$$

Sequence: A023471
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -29, a(1) = -28\}$$

Sequence: A023472
Score: 14.5192
Type of gen. func.: ogf

```
31 x - 30
---------
       2
```

$$(x - 1)$$

Sequence: A023472
Score: 27.3585
Type of gen. func.: revogf

$$\frac{-15 + x + (225 + x)^{1/2}}{-31 + x}$$

Sequence: A023472
Score: 29.3851
Type of gen. func.: lgdogf

$$- \frac{-29 + 31 x}{(31 x - 30) (x - 1)}$$

Sequence: A023472
Score: 7.66747
Type of gen. func.: ogf

$$(2 f(x) + 901) (f(x) x^2 - 2 f(x) x + f(x) - 31 x + 30)$$

Sequence: A023472
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -30, a(1) = -29\}$$

Sequence: A023473
Score: 14.5192
Type of gen. func.: ogf

$$\frac{32 x - 31}{(x - 1)^2}$$

Sequence: A023473

Score: 21.5543
Type of gen. func.: revogf

```
                                      1/2
          -31 + 2 x + (961 + 4 x)
          --------------------------
                 2 (-32 + x)
```

Sequence: A023473
Score: 28.4825
Type of gen. func.: lgdogf

```
                   2 (16 x - 15)
              - -------------------
                (32 x - 31) (x - 1)
```

Sequence: A023473
Score: 7.66747
Type of gen. func.: ogf

```
                                   2
    (f(x) + 481) (f(x) x  - 2 f(x) x + f(x) - 32 x + 31)
```

Sequence: A023473
Score: 8.12386
Type of gen. func.: ogf

```
{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -31, a(1) = -30}
```

Sequence: A023474
Score: 14.5192
Type of gen. func.: ogf

```
    33 x - 32
    ---------
           2
    (x - 1)
```

Sequence: A023474
Score: 27.6421
Type of gen. func.: revogf

```
                                 1/2
          -16 + x + (256 + x)
          ----------------------
```

$$-33 + x$$

Sequence: A023474
Score: 29.6896
Type of gen. func.: lgdogf

$$-\frac{-31 + 33 x}{(33 x - 32) (x - 1)}$$

Sequence: A023474
Score: 7.58228
Type of gen. func.: ogf

$$(2 f(x) + 1025) (f(x) x^2 - 2 f(x) x + f(x) - 33 x + 32)$$

Sequence: A023474
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -32, a(1) = -31\}$$

Sequence: A023475
Score: 14.5192
Type of gen. func.: ogf

$$\frac{34 x - 33}{(x - 1)^2}$$

Sequence: A023475
Score: 21.2034
Type of gen. func.: revogf

$$\frac{-33 + 2 x + (1089 + 4 x)^{1/2}}{2 (-34 + x)}$$

Sequence: A023475

Score: 28.7761
Type of gen. func.: lgdogf

$$-\frac{2\,(17\,x-16)}{(34\,x-33)\,(x-1)}$$

Sequence: A023475
Score: 7.66747
Type of gen. func.: ogf

$$(f(x)+545)\,(f(x)\,x^2-2\,f(x)\,x+f(x)-34\,x+33)$$

Sequence: A023475
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n+2)+2\,a(n+1)-a(n),\ a(0)=-33,\ a(1)=-32\}$$

Sequence: A023476
Score: 14.5192
Type of gen. func.: ogf

$$\frac{35\,x-34}{(x-1)^2}$$

Sequence: A023476
Score: 27.9256
Type of gen. func.: revogf

$$\frac{-17+x+(289+x)^{1/2}}{-35+x}$$

Sequence: A023476
Score: 29.9941
Type of gen. func.: lgdogf

$$-\frac{-33+35\,x}{(35\,x-34)\,(x-1)}$$

Sequence: A023476
Score: 7.58228
Type of gen. func.: ogf

$$(2 f(x) + 1157) (f(x) x^2 - 2 f(x) x + f(x) - 35 x + 34)$$

Sequence: A023476
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -34, a(1) = -33\}$$

Sequence: A023477
Score: 14.5192
Type of gen. func.: ogf

$$\frac{36 x - 35}{(x - 1)^2}$$

Sequence: A023477
Score: 21.4198
Type of gen. func.: revogf

$$\frac{-35 + 2 x + (1225 + 4 x)^{1/2}}{2 (-36 + x)}$$

Sequence: A023477
Score: 29.0697
Type of gen. func.: lgdogf

$$- \frac{2 (18 x - 17)}{(36 x - 35) (x - 1)}$$

Sequence: A023477
Score: 7.66747

Type of gen. func.: ogf

$$(f(x) + 613) (f(x) x^2 - 2 f(x) x + f(x) - 36 x + 35)$$

Sequence: A023477
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -35, a(1) = -34\}$$

Sequence: A023478
Score: 14.5192
Type of gen. func.: ogf

$$\frac{37 x - 36}{(x - 1)^2}$$

Sequence: A023478
Score: 28.2091
Type of gen. func.: revogf

$$\frac{-18 + x + (324 + x)^{1/2}}{-37 + x}$$

Sequence: A023478
Score: 30.2986
Type of gen. func.: lgdogf

$$- \frac{-35 + 37 x}{(37 x - 36) (x - 1)}$$

Sequence: A023478
Score: 7.58228
Type of gen. func.: ogf

$$(2 f(x) + 1297) (f(x) x^2 - 2 f(x) x + f(x) - 37 x + 36)$$

Sequence: A023478
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -36, a(1) = -35\}$$

Sequence: A023479
Score: 14.5192
Type of gen. func.: ogf

$$\frac{38 x - 37}{(x - 1)^2}$$

Sequence: A023479
Score: 21.6362
Type of gen. func.: revogf

$$\frac{-37 + 2 x + (1369 + 4 x)^{1/2}}{2 (-38 + x)}$$

Sequence: A023479
Score: 28.3508
Type of gen. func.: lgdogf

$$-\frac{2 (19 x - 18)}{(38 x - 37) (x - 1)}$$

Sequence: A023479
Score: 7.66747
Type of gen. func.: ogf

$$(f(x) + 685) (f(x) x^2 - 2 f(x) x + f(x) - 38 x + 37)$$

Sequence: A023479
Score: 8.12386
Type of gen. func.: ogf

{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -37, a(1) = -36}

Sequence: A023480
Score: 14.5192
Type of gen. func.: ogf

$$\frac{39 x - 38}{(x - 1)^{2}}$$

Sequence: A023480
Score: 28.4926
Type of gen. func.: revogf

$$\frac{-19 + x + (361 + x)^{1/2}}{-39 + x}$$

Sequence: A023480
Score: 30.6031
Type of gen. func.: lgdogf

$$- \frac{-37 + 39 x}{(39 x - 38) (x - 1)}$$

Sequence: A023480
Score: 7.58228
Type of gen. func.: ogf

$$(2 f(x) + 1445) (f(x) x^{2} - 2 f(x) x + f(x) - 39 x + 38)$$

Sequence: A023480
Score: 8.12386
Type of gen. func.: ogf

{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -38, a(1) = -37}

Sequence: A023481
Score: 14.5192
Type of gen. func.: ogf

$$\frac{40 x - 39}{(x - 1)^2}$$

Sequence: A023481
Score: 21.8525
Type of gen. func.: revogf

$$\frac{-39 + 2 x + (1521 + 4 x)^{1/2}}{2 (-40 + x)}$$

Sequence: A023481
Score: 28.6343
Type of gen. func.: lgdogf

$$- \frac{2 (20 x - 19)}{(40 x - 39) (x - 1)}$$

Sequence: A023481
Score: 7.66747
Type of gen. func.: ogf

$$(f(x) + 761) (f(x) x^2 - 2 f(x) x + f(x) - 40 x + 39)$$

Sequence: A023481
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -39, a(1) = -38\}$$

Sequence: A023482
Score: 14.5192
Type of gen. func.: ogf

$$\frac{41 x - 40}{}$$

$$(x - 1)^{2}$$

Sequence: A023482
Score: 28.7761
Type of gen. func.: revogf

$$\frac{-20 + x + (400 + x)^{1/2}}{-41 + x}$$

Sequence: A023482
Score: 30.9077
Type of gen. func.: lgdogf

$$-\frac{-39 + 41 x}{(41 x - 40) (x - 1)}$$

Sequence: A023482
Score: 7.58228
Type of gen. func.: ogf

$$(2 f(x) + 1601) (f(x) x^{2} - 2 f(x) x + f(x) - 41 x + 40)$$

Sequence: A023482
Score: 8.12386
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -40, a(1) = -39\}$$

Sequence: A023484
Score: 6.04339
Type of gen. func.: ogf

$$-\frac{x^{10} - 2 x^{8} + x^{7} + x^{6} - x^{4} + 6 x^{3} - 6 x^{2} - 6 x + 5}{(x^{2} + x - 1) (x - 1)^{2}}$$

Sequence: A023486
Score: 5.97538
Type of gen. func.: ogf

$$-\frac{x^{10}-2x^{8}+x^{7}+x^{6}-x^{4}+6x^{3}-4x^{2}-10x+7}{(x^{2}+x-1)(x-1)^{2}}$$

Sequence: A023490
Score: 5.45927
Type of gen. func.: ogf

$$-\frac{x^{15}-2x^{13}+x^{12}+x^{9}-2x^{7}+2x^{6}+3x^{3}-6x^{2}-2x+3}{(x^{2}+x-1)(x-1)^{2}}$$

Sequence: A023491
Score: 5.65524
Type of gen. func.: ogf

$$-\frac{x^{15}-2x^{13}+x^{12}+x^{9}-2x^{7}+2x^{6}+3x^{3}-5x^{2}-4x+4}{(x^{2}+x-1)(x-1)^{2}}$$

Sequence: A023493
Score: 5.44413
Type of gen. func.: ogf

$$-\frac{x^{15}-2x^{13}+x^{12}+x^{9}-2x^{7}+2x^{6}+3x^{3}-4x^{2}-6x+5}{(x^{2}+x-1)(x-1)^{2}}$$

Sequence: A023494
Score: 5.55523
Type of gen. func.: ogf

$$-\frac{x^{15}-2x^{13}+x^{12}+x^{9}-2x^{7}+2x^{6}+4x^{3}-6x^{2}-5x+5}{(x^{2}+x-1)(x-1)^{2}}$$

Sequence: A023537
Score: 13.1591
Type of gen. func.: ogf

$$-\frac{2 x + 1}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A023537
Score: 17.3633
Type of gen. func.: lgdogf

$$-\frac{6 x^3 + 6 x^2 - x - 5}{(x - 1) (2 x + 1) (x^2 + x - 1)}$$

Sequence: A023537
Score: 4.33896
Type of gen. func.: ogf

$$\{(-3 n - 13) a(n + 1) - 3 a(n + 2) + (6 n + 23) a(n + 3) + (-3 n - 10) a(n + 4)$$

$$, a(0) = 1, a(1) = 5, a(2) = 13, a(3) = 28\}$$

Sequence: A023537
Score: 6.32054
Type of gen. func.: ogf

$$(1965 f(x) + 6328) (f(x) x^4 - f(x) x^3 - 2 f(x) x^2 + 3 f(x) x - f(x) + 2 x + 1)$$

Sequence: A023540
Score: 3.31737
Type of gen. func.: ogf

$$(2815969592407763311 f(x) + 26927571563008875)$$

$$(495 f(x) x^4 - 694 f(x) x^3 + 224 f(x) x^2 - 26 f(x) x + f(x) - 1)$$

Sequence: A023540
Score: 8.54685
Type of gen. func.: lgdogf

$$-\frac{2 (6 x - 1) (165 x^2 - 146 x + 13)}{(x - 1) (9 x - 1) (5 x - 1) (11 x - 1)}$$

Sequence: A023540
Score: 9.35971
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (9 x - 1) (5 x - 1) (11 x - 1)}$$

Sequence: A023545
Score: 10.8338
Type of gen. func.: ogf

$$\frac{(2 x - 3) (-2 + x)}{(x - 1)^4}$$

Sequence: A023545
Score: 20.3495
Type of gen. func.: lgdogf

$$-\frac{4 x^2 - 17 x + 17}{(x - 1) (-2 + x) (2 x - 3)}$$

Sequence: A023545
Score: 6.40012
Type of gen. func.: ogf

$$(173 f(x) + 3436)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 2 x^2 + f(x) + 7 x - 6)$$

Sequence: A023548
Score: 12.8067
Type of gen. func.: ogf

$$\frac{-2 + x}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A023548
Score: 12.8760
Type of gen. func.: lgdogf

$$-\frac{3 x^3 - 7 x^2 - 3 x + 5}{(-2 + x) (x - 1) (x^2 + x - 1)}$$

Sequence: A023548
Score: 4.26889
Type of gen. func.: ogf

{(-n - 6) a(n + 1) - a(n + 2) + (2 n + 11) a(n + 3) + (-n - 5) a(n + 4),

a(0) = 2, a(1) = 5, a(2) = 11, a(3) = 21}

Sequence: A023548
Score: 6.24966
Type of gen. func.: ogf

$$(210 f(x) - 649) (f(x) x^4 - f(x) x^3 - 2 f(x) x^2 + 3 f(x) x - f(x) - x + 2)$$

Sequence: A023549
Score: 3.66542
Type of gen. func.: ogf

$$-(1482 f(x) - 13045)$$

$$(f(x) x^4 - f(x) x^3 - 2 f(x) x^2 + 3 f(x) x - 2 x^2 - f(x) + 3 x + 2)$$

Sequence: A023549
Score: 7.43709
Type of gen. func.: ogf

$$\frac{(2 x + 1) (-2 + x)}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A023549
Score: 9.25611
Type of gen. func.: lgdogf

$$- \frac{(4 x - 3) (x^3 - x^2 - 3 x - 3)}{(x - 1) (-2 + x) (2 x + 1) (x^2 + x - 1)}$$

Sequence: A023550
Score: 11.6854
Type of gen. func.: ogf

$$\frac{(x + 1) (-2 + x)}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A023550
Score: 14.6659
Type of gen. func.: lgdogf

$$- \frac{2 x^4 - 2 x^3 - 8 x^2 - 3 x + 7}{(x - 1) (-2 + x) (x + 1) (x^2 + x - 1)}$$

Sequence: A023550
Score: 4.38202
Type of gen. func.: ogf

{(2 n + 11) a(n + 1) + 2 a(n + 2) + (-4 n - 20) a(n + 3) + (2 n + 9) a(n + 4),

a(0) = 2, a(1) = 7, a(2) = 16, a(3) = 32}

Sequence: A023550
Score: 5.84269
Type of gen. func.: ogf

$$-(160 f(x) - 4253)$$

$$(f(x) x^4 - f(x) x^3 - 2 f(x) x^2 + 3 f(x) x - x^2 - f(x) + x + 2)$$

Sequence: A023551
Score: 10.4510
Type of gen. func.: ogf

$$\frac{(2 x - 3)^2}{(x - 1)^4}$$

Sequence: A023551
Score: 32.5781
Type of gen. func.: lgdogf

$$- \frac{4 (-2 + x)}{(x - 1) (2 x - 3)}$$

Sequence: A023551
Score: 4.78152
Type of gen. func.: ogf

$$\{(3 n + 9) a(n + 3) + (-18 - 5 n) a(n + 2) + (6 + 2 n) a(n + 1), a(0) = 9,$$

$$a(1) = 24, a(2) = 46\}$$

Sequence: A023551
Score: 5.45951
Type of gen. func.: ogf

$$(65 f(x) + 2153)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 4 x^2 + f(x) + 12 x - 9)$$

Sequence: A023552
Score: 11.4488
Type of gen. func.: lgdogf

$$-\frac{6 x^{3} - 10 x^{2} - 5 x + 7}{(x - 1) (2 x - 3) (x^{2} + x - 1)}$$

Sequence: A023552
Score: 13.0417
Type of gen. func.: ogf

$$\frac{2 x - 3}{(x^{2} + x - 1) (x - 1)^{2}}$$

Sequence: A023552
Score: 4.34722
Type of gen. func.: ogf

$$\{(-n - 7) a(n + 1) - a(n + 2) + (2 n + 13) a(n + 3) + (-n - 6) a(n + 4),$$

$$a(0) = 3, a(1) = 7, a(2) = 15, a(3) = 28\}$$

Sequence: A023552
Score: 6.2641
Type of gen. func.: ogf

$$(1307 f(x) - 6640) (f(x) x^{4} - f(x) x^{3} - 2 f(x) x^{2} + 3 f(x) x - f(x) - 2 x + 3)$$

Sequence: A023553
Score: 3.67931
Type of gen. func.: ogf

$$-(253455 f(x) - 3552922)$$

$$(f(x) x^{4} - f(x) x^{3} - 2 f(x) x^{2} + 3 f(x) x - 4 x^{2} - f(x) + 4 x + 3)$$

Sequence: A023553
Score: 7.67855
Type of gen. func.: ogf

$$\frac{(2 x + 1) (2 x - 3)}{{}^{2} \qquad\qquad {}^{2}}$$

$$(x + x - 1) (x - 1)$$

Sequence: A023553
Score: 8.60818
Type of gen. func.: lgdogf

$$- \frac{8 x^{4} - 8 x^{3} - 12 x^{2} - 7 x + 13}{(x - 1) (2 x + 1) (2 x - 3) (x^{2} + x - 1)}$$

Sequence: A023554
Score: 11.3359
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x - 3)}{(x^{2} + x - 1) (x - 1)^{2}}$$

Sequence: A023554
Score: 4.20525
Type of gen. func.: ogf

$$\{(2 n + 13) a(n + 1) + 2 a(n + 2) + (-4 n - 24) a(n + 3) + (2 n + 11) a(n + 4),$$

$$a(0) = 3, a(1) = 10, a(2) = 22, a(3) = 43\}$$

Sequence: A023554
Score: 5.66795
Type of gen. func.: ogf

$$-(760 f(x) - 8959)$$

$$(f(x) x^{4} - f(x) x^{3} - 2 f(x) x^{2} + 3 f(x) x - 2 x^{2} - f(x) + x + 3)$$

Sequence: A023554
Score: 8.98504
Type of gen. func.: lgdogf

$$- \frac{4 x^{4} - x^{3} - 11 x^{2} - 6 x + 10}{{}^{2}}$$

$$(x - 1) (2 x - 3) (x + 1) (x + x - 1)$$

Sequence: A023607
Score: 11.0131
Type of gen. func.: ogf

$$\frac{x (2 x + 1)}{(x^{2} + x - 1)^{2}}$$

Sequence: A023607
Score: 20.7433
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^{2} + 3 x + 2)}{(2 x + 1) (x^{2} + x - 1)}$$

Sequence: A023607
Score: 3.67103
Type of gen. func.: ogf

$\{(-3 - n) a(n + 4) + (2 - n) a(n + 3) + (3 n + 9) a(n + 2) + (6 + 2 n) a(n + 1)$

$, a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 9\}$

Sequence: A023607
Score: 5.34217
Type of gen. func.: ogf

$$-(1325 f(x) + 703) (f(x) x^{4} + 2 f(x) x^{3} - f(x) x^{2} - 2 f(x) x - 2 x^{2} + f(x) - x)$$

Sequence: A023610
Score: 11.4066
Type of gen. func.: ogf

$$\frac{x + 1}{(x^{2} + x - 1)^{2}}$$

Sequence: A023610
Score: 22.7273
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 5 x + 3}{(x + 1) (x^2 + x - 1)}$$

Sequence: A023610
Score: 3.84423
Type of gen. func.: ogf

$\{(-n - 4) a(n + 4) + 3 a(n + 3) + (2 n + 9) a(n + 2) + (n + 4) a(n + 1),$

$a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 15\}$

Sequence: A023610
Score: 5.70332
Type of gen. func.: ogf

$$(22 f(x) - 3) (f(x) x^4 + 2 f(x) x^3 - f(x) x^2 - 2 f(x) x + f(x) - x - 1)$$

Sequence: A023619
Score: 11.2435
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x + 1)}{(x^2 + x - 1)^2}$$

Sequence: A023619
Score: 16.9265
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 9 x^2 + 11 x + 5}{(2 x + 1) (x + 1) (x^2 + x - 1)}$$

Sequence: A023619
Score: 5.78955
Type of gen. func.: ogf

$$(1050 f(x) + 547) (f(x) x^4 + 2 f(x) x^3 - f(x) x^2 - 2 f(x) x - 2 x^2 + f(x) - 3 x - 1)$$

Sequence: A023620
Score: 11.3874
Type of gen. func.: ogf

$$- \frac{(x + 1) (2 x + 1)}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A023620
Score: 13.3019
Type of gen. func.: lgdogf

$$- \frac{4 x^4 + 11 x^3 + 9 x^2 - 6 x - 6}{(x - 1) (2 x + 1) (x + 1) (x^2 + x - 1)}$$

Sequence: A023620
Score: 4.22437
Type of gen. func.: ogf

$$\{(-6 n - 23) a(n + 1) - 6 a(n + 2) + (12 n + 40) a(n + 3)$$

$$+ (-6 n - 17) a(n + 4), a(0) = 1, a(1) = 6, a(2) = 18, a(3) = 41\}$$

Sequence: A023620
Score: 5.69371
Type of gen. func.: ogf

$$(131880 f(x) + 10121) (f(x) x^4 - f(x) x^3 - 2 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x) + 3 x + 1)$$

Sequence: A023652
Score: 13.0215
Type of gen. func.: ogf

$$-\frac{(x+1)^2}{(x^2+x-1)(x-1)^2}$$

Sequence: A023652
Score: 20.5566
Type of gen. func.: lgdogf

$$-\frac{2x^3+5x^2+2x-5}{(x-1)(x+1)(x^2+x-1)}$$

Sequence: A023652
Score: 4.93673
Type of gen. func.: ogf

{(n + 4) a(n + 1) + a(n + 2) + (-2 n - 7) a(n + 3) + (n + 3) a(n + 4), a(0) = 1,

a(1) = 5, a(2) = 14, a(3) = 31}

Sequence: A023652
Score: 6.65544
Type of gen. func.: ogf

-(175 f(x) + 2)

$$(f(x)\,x^4 - f(x)\,x^3 - 2\,f(x)\,x^2 + 3\,f(x)\,x + x^2 - f(x) + 2x + 1)$$

Sequence: A023723
Score: 4.63467
Type of gen. func.: ogf

$$-(20x^{12} - 5x^{11} - 5x^{10} - 5x^9 - x^8 - x^7 - x^6 - x^5 - 26x^4 - 25x^3 - 25x^2 - 25x - 25) \Big/ ((x+1)(x^2+1)(x^2+x+1)(x^2-x+1)(x^4-x^2+1)(x-1)^2)$$

Sequence: A023737
Score: 4.25951
Type of gen. func.: ogf

$$x\left(7x^{15}+x^{14}+x^{13}+x^{12}+2x^{11}+x^{10}+x^{9}+x^{8}+2x^{7}+x^{6}+x^{5}+x^{4}+2x^{3}+x^{2}+x+1\right)\Big/\left((x+1)(x^{2}+1)(x^{4}+1)(x^{8}+1)(x-1)^{2}\right)$$

Sequence: A023739
Score: 4.67094
Type of gen. func.: ogf

$$\left(2x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+5x^{7}+5x^{6}+5x^{5}+5x^{4}+25x^{3}+25x^{2}+25x+24\right)\Big/\left((x+1)(x^{2}+1)(x^{2}+x+1)(x^{2}-x+1)(x^{4}-x^{2}+1)(x-1)^{2}\right)$$

Sequence: A023772
Score: 3.50424
Type of gen. func.: ogf

$$(9391937055817211\,f(x)+82114878816000)\,(540\,f(x)\,x^{4}-753\,f(x)\,x^{3}+239\,f(x)\,x^{2}-27\,f(x)\,x+f(x)-1)$$

Sequence: A023772
Score: 8.54608
Type of gen. func.: lgdogf

$$-\frac{2160x^{3}-2259x^{2}+478x-27}{(x-1)(9x-1)(5x-1)(12x-1)}$$

Sequence: A023772
Score: 9.51148
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (9 x - 1) (5 x - 1) (12 x - 1)}$$

Sequence: A023804
Score: 28.9546
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9 + x^8 + 2$$

Sequence: A023804
Score: 6.85031
Type of gen. func.: ogf

$$\frac{x (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A023805
Score: 27.0865
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{11} + x^{10} + 2$$

Sequence: A023805
Score: 5.93372
Type of gen. func.: ogf

$$\frac{x (x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A023806
Score: 27.0865
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{12} + x^{11} + 2$$

Sequence: A023806
Score: 5.58005
Type of gen. func.: ogf

$$\frac{x\,(x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)}{(x+1)\,(x^{2}+1)\,(x^{2}+x+1)\,(x^{2}-x+1)\,(x^{4}-x^{2}+1)\,(x-1)^{2}}$$

Sequence: A023807
Score: 27.0865
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{13}+x^{12}+2$$

Sequence: A023807
Score: 5.26618
Type of gen. func.: ogf

$$x\,(x+1)\,(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)\,(x^{6}-x^{5}+x^{4}-x^{3}+x^{2}-x+1) \Big/ \left((x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)\,(x-1)^{2}\right)$$

Sequence: A023808
Score: 27.0865
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{14}+x^{13}+2$$

Sequence: A023808
Score: 4.98573
Type of gen. func.: ogf

$$x\,(x^{2}+x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{8}-x^{7}+x^{5}-x^{4}+x^{3}-x+1) \Big/ \Big($$

$$(x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^6 - x^5 + x^4 - x^3 + x^2 - x + 1)$$

$$(x - 1)^2)$$

Sequence: A023809
Score: 24.6965
Type of gen. func.: ogf_with_Euler_transform]

$$2 - x^{14} (x - 1)$$

Sequence: A023809
Score: 4.73364
Type of gen. func.: ogf

$$x (x^8 + 1) (x^4 + 1) (x^2 + 1) (x + 1) / ((x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1)$$

$$(x^8 - x^7 + x^5 - x^4 + x^3 - x + 1) (x - 1)^2)$$

Sequence: A023810
Score: 24.6965
Type of gen. func.: ogf_with_Euler_transform]

$$2 - x^{15} (x - 1)$$

Sequence: A023810
Score: 4.50582
Type of gen. func.: ogf

$$x (x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3$$

$$+ x^2 + x + 1) / ((x + 1) (x^2 + 1) (x^4 + 1) (x^8 + 1) (x - 1)^2)$$

Sequence: A023855
Score: 18.5396
Type of gen. func.: lgdogf

$$-\frac{2\,(5x^3+4x^2+6x+1)}{(x-1)(x+1)(2x^2+x+1)}$$

Sequence: A023855
Score: 9.33837
Type of gen. func.: ogf

$$\frac{2x^2+x+1}{(x+1)^3\,(x-1)^4}$$

Sequence: A023856
Score: 20.1969
Type of gen. func.: lgdogf

$$-\frac{5x^3+7x^2+17x+3}{(x-1)(x+1)(x^2+x+2)}$$

Sequence: A023856
Score: 9.50663
Type of gen. func.: ogf

$$\frac{x^2+x+2}{(x+1)^3\,(x-1)^4}$$

Sequence: A023857
Score: 10.4474
Type of gen. func.: ogf

$$\frac{x+3}{(x+1)^3\,(x-1)^4}$$

Sequence: A023857

Score: 24.9252
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^{2}+11\,x+2)}{(x-1)\,(x+3)\,(x+1)}$$

Sequence: A023857
Score: 4.44014
Type of gen. func.: ogf

$$\{(-3\,n-12)\,a(n+4)+(1-n)\,a(n+3)+(28+3\,n)\,a(n+2)$$
$$+(7+n)\,a(n+1),\ a(0)=3,\ a(1)=4,\ a(2)=13,\ a(3)=16\}$$

Sequence: A023861
Score: 3.74671
Type of gen. func.: ogf

$$-\frac{3\,x^{5}-x^{4}-2\,x^{3}+4\,x^{2}+2\,x+1}{(x^{2}+x-1)\,(x^{4}+x^{2}-1)}$$

Sequence: A023864
Score: 4.37297
Type of gen. func.: ogf

$$-\frac{x^{5}+2\,x^{2}+x+1}{(x^{2}+x-1)\,(x^{4}+x^{2}-1)}$$

Sequence: A023864
Score: 5.06971
Type of gen. func.: lgdogf

$$-(5\,x^{10}+4\,x^{9}-2\,x^{8}+16\,x^{7}+27\,x^{6}+18\,x^{5}+8\,x^{4}-2\,x^{3}+3\,x^{2}-10\,x-2)$$
$$\Big/\ ((x^{2}+x-1)\,(x^{4}+x^{2}-1)\,(x^{5}+2\,x^{2}+x+1))$$

Sequence: A023865
Score: 17.6969
Type of gen. func.: lgdogf

$$-\frac{25 x^3 + 17 x^2 + 19 x + 3}{(x - 1) (x + 1) (5 x^2 + 2 x + 1)}$$

Sequence: A023865
Score: 9.49069
Type of gen. func.: ogf

$$\frac{5 x^2 + 2 x + 1}{(x + 1)^3 (x - 1)^4}$$

Sequence: A023871
Score: 15.0966
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x - 1}{-x^3 + 3 x^2 - 3 x + 1}$$

Sequence: A023872
Score: 11.2250
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^2 + 4 x + 1}{-x^4 + 4 x^3 - 6 x^2 + 4 x - 1}$$

Sequence: A023873
Score: 8.35578
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^3 - 11 x^2 - 11 x - 1}{-x^5 + 5 x^4 - 10 x^3 + 10 x^2 - 5 x + 1}$$

Sequence: A023874
Score: 6.87540
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^4 + 26 x^3 + 66 x^2 + 26 x + 1}{-x^6 + 6 x^5 - 15 x^4 + 20 x^3 - 15 x^2 + 6 x - 1}$$

Sequence: A023875
Score: 5.44893
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^5 - 57 x^4 - 302 x^3 - 302 x^2 - 57 x - 1}{-x^7 + 7 x^6 - 21 x^5 + 35 x^4 - 35 x^3 + 21 x^2 - 7 x + 1}$$

Sequence: A023946
Score: 3.60944
Type of gen. func.: ogf

$$(6615964378781 f(x) + 56728710720)$$

$$(550 f(x) x^4 - 765 f(x) x^3 + 241 f(x) x^2 - 27 f(x) x + f(x) - 1)$$

Sequence: A023946
Score: 8.31684
Type of gen. func.: lgdogf

$$- \frac{2200 x^3 - 2295 x^2 + 482 x - 27}{(x - 1) (5 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A023946
Score: 9.41030
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (5 x - 1) (10 x - 1) (11 x - 1)}$$

```
------------------------------------------------------------------------------

Sequence:  A023947
Score: 3.27319
Type of gen. func.: ogf


(848284798747 f(x) + 6650173440)

               4             3             2
    (600 f(x) x  - 830 f(x) x  + 257 f(x) x  - 28 f(x) x + f(x) - 1)



------------------------------------------------------------------------------

Sequence:  A023947
Score: 7.19141
Type of gen. func.: lgdogf


                                3         2
                       2 (1200 x  - 1245 x  + 257 x - 14)
                   - ---------------------------------------
                     (x - 1) (5 x - 1) (12 x - 1) (10 x - 1)



------------------------------------------------------------------------------

Sequence:  A023947
Score: 8.41679
Type of gen. func.: ogf


                                       1
                    ---------------------------------------
                    (x - 1) (5 x - 1) (12 x - 1) (10 x - 1)



------------------------------------------------------------------------------

Sequence:  A023948
Score: 2.98053
Type of gen. func.: ogf


(81826863594441469243 f(x) + 581349218500512000)

               4             3             2
    (660 f(x) x  - 907 f(x) x  + 275 f(x) x  - 29 f(x) x + f(x) - 1)



------------------------------------------------------------------------------

Sequence:  A023948
Score: 7.51282
Type of gen. func.: lgdogf


                               3         2
                         2640 x  - 2721 x  + 550 x - 29
                   - ---------------------------------------
                     (x - 1) (5 x - 1) (12 x - 1) (11 x - 1)
```

Sequence: A023948
Score: 8.51580
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (5 x - 1) (12 x - 1) (11 x - 1)}$$

Sequence: A023949
Score: 3.61296
Type of gen. func.: ogf

$$(6043406025602473 f(x) + 86123504323584)$$

$$(336 f(x) x^4 - 482 f(x) x^3 + 167 f(x) x^2 - 22 f(x) x + f(x) - 1)$$

Sequence: A023949
Score: 8.96015
Type of gen. func.: lgdogf

$$- \frac{2 (672 x^3 - 723 x^2 + 167 x - 11)}{(x - 1) (6 x - 1) (8 x - 1) (7 x - 1)}$$

Sequence: A023949
Score: 9.80661
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (6 x - 1) (8 x - 1) (7 x - 1)}$$

Sequence: A023950
Score: 3.67517
Type of gen. func.: ogf

$$(794093595037523 f(x) + 10015375870080)$$

$$(378 f(x) x^4 - 537 f(x) x^3 + 181 f(x) x^2 - 23 f(x) x + f(x) - 1)$$

Sequence: A023950

Score: 9.05649
Type of gen. func.: lgdogf

$$-\frac{1512 x^3 - 1611 x^2 + 362 x - 23}{(x - 1) (6 x - 1) (9 x - 1) (7 x - 1)}$$

Sequence: A023950
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (6 x - 1) (9 x - 1) (7 x - 1)}$$

Sequence: A023951
Score: 3.69968
Type of gen. func.: ogf

$$(159186249272941 f(x) + 1800426379500)$$

$$(420 f(x) x^4 - 592 f(x) x^3 + 195 f(x) x^2 - 24 f(x) x + f(x) - 1)$$

Sequence: A023951
Score: 9.20999
Type of gen. func.: lgdogf

$$-\frac{6 (280 x^3 - 296 x^2 + 65 x - 4)}{(x - 1) (6 x - 1) (7 x - 1) (10 x - 1)}$$

Sequence: A023951
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (6 x - 1) (7 x - 1) (10 x - 1)}$$

Sequence: A023952
Score: 3.29944
Type of gen. func.: ogf

$$(6918507014040838583 f(x) + 70920545001945408)$$

$$(462 f(x) x^4 - 647 f(x) x^3 + 209 f(x) x^2 - 25 f(x) x + f(x) - 1)$$

Sequence: A023952
Score: 8.36029
Type of gen. func.: lgdogf

$$-\frac{1848 x^3 - 1941 x^2 + 418 x - 25}{(x - 1) (6 x - 1) (7 x - 1) (11 x - 1)}$$

Sequence: A023952
Score: 9.30912
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (6 x - 1) (7 x - 1) (11 x - 1)}$$

Sequence: A023953
Score: 3.63989
Type of gen. func.: ogf

$$(385197731381 f(x) + 3610225920)$$

$$(504 f(x) x^4 - 702 f(x) x^3 + 223 f(x) x^2 - 26 f(x) x + f(x) - 1)$$

Sequence: A023953
Score: 8.13986
Type of gen. func.: lgdogf

$$-\frac{2 (1008 x^3 - 1053 x^2 + 223 x - 13)}{(x - 1) (6 x - 1) (7 x - 1) (12 x - 1)}$$

Sequence: A023953
Score: 9.35971
Type of gen. func.: ogf

$$1$$

$$\frac{}{(x - 1) (6 x - 1) (7 x - 1) (12 x - 1)}$$

Sequence: A023954
Score: 3.74967
Type of gen. func.: ogf

$$(15475731178853 f(x) + 169833563136)$$

$$(432 f(x) x^4 - 606 f(x) x^3 + 197 f(x) x^2 - 24 f(x) x + f(x) - 1)$$

Sequence: A023954
Score: 9.05649
Type of gen. func.: lgdogf

$$- \frac{2 (864 x^3 - 909 x^2 + 197 x - 12)}{(x - 1) (6 x - 1) (9 x - 1) (8 x - 1)}$$

Sequence: A023954
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (6 x - 1) (9 x - 1) (8 x - 1)}$$

Sequence: A023955
Score: 3.45652
Type of gen. func.: ogf

$$(546006285096503 f(x) + 5372841024000)$$

$$(480 f(x) x^4 - 668 f(x) x^3 + 212 f(x) x^2 - 25 f(x) x + f(x) - 1)$$

Sequence: A023955
Score: 8.31385
Type of gen. func.: lgdogf

$$- \frac{1920 x^3 - 2004 x^2 + 424 x - 25}{(x - 1) (6 x - 1) (8 x - 1) (10 x - 1)}$$

Sequence: A023955
Score: 9.25852
Type of gen. func.: ogf

$$\frac{1}{(x-1)(6x-1)(8x-1)(10x-1)}$$

Sequence: A023956
Score: 3.40354
Type of gen. func.: ogf

$$(19261660651554971 f(x) + 171774011667456)$$
$$(528 f(x) x^4 - 730 f(x) x^3 + 227 f(x) x^2 - 26 f(x) x + f(x) - 1)$$

Sequence: A023956
Score: 8.13986
Type of gen. func.: lgdogf

$$-\frac{2(1056 x^3 - 1095 x^2 + 227 x - 13)}{(x-1)(6x-1)(11x-1)(8x-1)}$$

Sequence: A023956
Score: 9.35971
Type of gen. func.: ogf

$$\frac{1}{(x-1)(6x-1)(11x-1)(8x-1)}$$

Sequence: A023972
Score: 6.81040
Type of gen. func.: ogf

$$-x^7 (x^{42} - x^{24} + 1) / ((x-1)(x^6 + x^3 + 1)(x^6 - x^3 + 1)$$
$$(x^{54} - x^{48} + x^{36} - x^{24} + x^{18} - x^6 + 1))$$

Sequence: A023974
Score: 117.359
Type of gen. func.: lgdogf

$$-\frac{1}{x - 1}$$

Sequence: A023974
Score: 19.1031
Type of gen. func.: ogf

$$x^{17} + f(x) x - f(x)$$

Sequence: A023974
Score: 29.2915
Type of gen. func.: ogf

$$-\frac{x^{17}}{x - 1}$$

Sequence: A023975
Score: 117.359
Type of gen. func.: lgdogf

$$-\frac{1}{x - 1}$$

Sequence: A023975
Score: 28.0582
Type of gen. func.: ogf

$$-\frac{x^{25}}{x - 1}$$

Sequence: A023976

Score: 117.359
Type of gen. func.: lgdogf

$$-\frac{1}{x - 1}$$

Sequence: A023976
Score: 26.0540
Type of gen. func.: ogf

$$-\frac{x^{38}}{x - 1}$$

Sequence: A023989
Score: 4.20704
Type of gen. func.: ogf

$$(9899010 x^{11} + 9900990 x^{10} - 10001000 x^{9} - 31007101 x^{8} + 98010 x^{7} + 99990 x^{6} - 101000 x^{5} - 208101 x^{4} - 2000 x^{3} - 1100 x^{2} - 10 x - 2)/(x - 1)$$

Sequence: A023999
Score: 15.1088
Type of gen. func.: revegf]

$$-1 - 4 x - 8 x^{2} + ((4 x^{2} + 2 x + 1) (1 + 4 x)^{2})^{1/2}$$

Sequence: A023999
Score: 3.90952
Type of gen. func.: ogf

$$\{(-4 n^{2} - 14 n - 12) a(n + 1) + (12 n^{2} + 79 n + 125) a(n + 2) + (-3 n - 9) a(n + 3), a(0) = 1, a(1) = 5, a(2) = 48\}$$

Sequence: A023999
Score: 30.2175
Type of gen. func.: lgdegf]

$$-\frac{2x-5}{(4x-1)(x-1)}$$

Sequence: A023999
Score: 7.04528
Type of gen. func.: egf]

$$-64 f(x)^2 x^3 + 48 f(x)^2 x^2 - 12 f(x)^2 x + f(x)^2 - x^2 + 2 x - 1$$

Sequence: A024000
Score: 10.6345
Type of gen. func.: ogf

$$f(x) x^2 - 2 f(x) x + f(x) + 2 x - 1$$

Sequence: A024000
Score: 14.8883
Type of gen. func.: ogf

$$-\frac{2x-1}{(x-1)^2}$$

Sequence: A024000
Score: 26.0346
Type of gen. func.: revogf

$$-\frac{-2x-1+(-4x+1)^{1/2}}{2(x+2)}$$

Sequence: A024000
Score: 49.1764
Type of gen. func.: lgdogf

$$-\frac{2x}{(2x-1)(x-1)}$$

Sequence: A024000
Score: 8.27127
Type of gen. func.: ogf

$$\{-a(n+2) + 2\,a(n+1) - a(n),\ a(0) = 1,\ a(1) = 0\}$$

Sequence: A024001
Score: 22.5599
Type of gen. func.: lgdogf

$$-\frac{2\,x\,(x^2 + 4\,x + 7)}{(x - 1)\,(2\,x^3 + x^2 + 4\,x - 1)}$$

Sequence: A024001
Score: 4.17777
Type of gen. func.: ogf

$$\{(5\,n^2 + n - 18)\,a(n+1) + (29\,n^2 + 253\,n + 390)\,a(n+2) + (-34\,n^2 - 137\,n - 105)\,a(n+3),\ a(0) = 1,\ a(1) = 0,\ a(2) = -7\}$$

Sequence: A024001
Score: 5.53028
Type of gen. func.: ogf

$$(81\,f(x) - 86)\,(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 + 2\,x^3 - 4\,f(x)\,x + x^2 + f(x) + 4\,x - 1)$$

Sequence: A024001
Score: 9.98323
Type of gen. func.: ogf

$$-\frac{2\,x^3 + x^2 + 4\,x - 1}{(x - 1)^4}$$

Sequence: A024002
Score: 22.2178
Type of gen. func.: lgdogf

$$-\frac{30 x (x + 1)^2}{(x - 1) (15 x^3 + 5 x^2 + 5 x - 1)}$$

Sequence: A024002
Score: 5.18416
Type of gen. func.: ogf

$\{(n^2 + 2 n) a(n) + (8 n + 8) a(n + 1) + (-n^2 - 2 n) a(n + 2), a(0) = 1,$

$a(1) = 0, a(2) = -15\}$

Sequence: A024002
Score: 8.83664
Type of gen. func.: ogf

$$\frac{15 x^3 + 5 x^2 + 5 x - 1}{(x - 1)^5}$$

Sequence: A024003
Score: 5.80488
Type of gen. func.: lgdogf

$$-\frac{2 x (x^4 + 26 x^3 + 156 x^2 + 146 x + 31)}{(x - 1) (2 x^5 + 21 x^4 + 76 x^3 + 16 x^2 + 6 x - 1)}$$

Sequence: A024003
Score: 6.00386
Type of gen. func.: ogf

$$-\frac{2 x^5 + 21 x^4 + 76 x^3 + 16 x^2 + 6 x - 1}{(x - 1)^6}$$

Sequence: A024004
Score: 10.6631
Type of gen. func.: lgdogf

$$-\frac{42 x (3 x^4 + 28 x^3 + 58 x^2 + 28 x + 3)}{(x - 1) (63 x^5 + 287 x^4 + 322 x^3 + 42 x^2 + 7 x - 1)}$$

Sequence: A024004
Score: 5.91266
Type of gen. func.: ogf

$$\frac{63 x^5 + 287 x^4 + 322 x^3 + 42 x^2 + 7 x - 1}{(x - 1)^7}$$

Sequence: A024005
Score: 3.14087
Type of gen. func.: ogf

$$-\frac{2 x^7 + 113 x^6 + 1212 x^5 + 2381 x^4 + 1226 x^3 + 99 x^2 + 8 x - 1}{(x - 1)^8}$$

Sequence: A024006
Score: 3.67300
Type of gen. func.: ogf

$$\frac{255 x^7 + 4265 x^6 + 15675 x^5 + 15549 x^4 + 4349 x^3 + 219 x^2 + 9 x - 1}{(x - 1)^9}$$

Sequence: A024006
Score: 5.54932
Type of gen. func.: lgdogf

```
          6        5         4         3         2                 /
```

$$- 30 x (17 x + 486 x + 2943 x + 5204 x + 2943 x + 486 x + 17) / ((x - 1)$$

$$(255 x^7 + 4265 x^6 + 15675 x^5 + 15549 x^4 + 4349 x^3 + 219 x^2 + 9 x - 1))$$

Sequence: A024012
Score: 11.2625
Type of gen. func.: ogf

$$\frac{x^3 + 4 x^2 - 4 x + 1}{(2 x - 1) (x - 1)^3}$$

Sequence: A024012
Score: 14.1578
Type of gen. func.: lgdogf

$$- \frac{2 x^4 + 20 x^3 - 23 x^2 + 8 x - 1}{(x - 1) (2 x - 1) (x^3 + 4 x^2 - 4 x + 1)}$$

Sequence: A024012
Score: 6.10712
Type of gen. func.: ogf

$$-(28 f(x) + 9)$$

$$(2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 - x^3 - 5 f(x) x - 4 x^2 + f(x) + 4 x - 1)$$

Sequence: A024013
Score: 7.80274
Type of gen. func.: ogf

$$- \frac{3 x^4 + 3 x^3 + 4 x^2 - 5 x + 1}{(2 x - 1) (x - 1)^4}$$

Sequence: A024013
Score: 8.65187

Type of gen. func.: lgdogf

$$-\frac{6x^5+30x^4+21x^3-49x^2+17x-1}{(x-1)(2x-1)(3x^4+3x^3+4x^2-5x+1)}$$

Sequence: A024014
Score: 5.90405
Type of gen. func.: ogf

$$\frac{x^5+26x^4+x^3+x^2-6x+1}{(2x-1)(x-1)^5}$$

Sequence: A024014
Score: 8.17053
Type of gen. func.: lgdogf

$$-\frac{2x^6+112x^5+131x^4-94x^3-64x^2+34x-1}{(x-1)(2x-1)(x^5+26x^4+x^3+x^2-6x+1)}$$

Sequence: A024015
Score: 4.92531
Type of gen. func.: ogf

$$-\frac{3x^6+45x^5+121x^4-34x^3-9x^2-7x+1}{(2x-1)(x-1)^6}$$

Sequence: A024016
Score: 4.28249
Type of gen. func.: ogf

$$\frac{x^7+120x^6+526x^5+337x^4-223x^3-34x^2-8x+1}{(2x-1)(x-1)^7}$$

Sequence: A024017
Score: 3.43998
Type of gen. func.: ogf

$$-\frac{3 x^{8} + 231 x^{7} + 2290 x^{6} + 3585 x^{5} + 36 x^{4} - 1007 x^{3} - 90 x^{2} - 9 x + 1}{(2 x - 1) (x - 1)^{8}}$$

Sequence: A024018
Score: 3.87485
Type of gen. func.: ogf

$$(x^{9} + 502 x^{8} + 8303 x^{7} + 27029 x^{6} + 15493 x^{5} - 6907 x^{4} - 3883 x^{3} - 209 x^{2} - 10 x + 1) \,/\, ((2 x - 1) (x - 1)^{9})$$

Sequence: A024023
Score: 13.6404
Type of gen. func.: ogf

$$-3 f(x) x^{2} + 4 f(x) x - f(x) + 2 x$$

Sequence: A024023
Score: 19.0549
Type of gen. func.: revogf

$$-\frac{-1 - 2 x + (x^{2} + 4 x + 1)^{1/2}}{3 x}$$

Sequence: A024023
Score: 21.7509
Type of gen. func.: ogf

$$\frac{2 x}{(-1 + 3 x) (x - 1)}$$

Sequence: A024023
Score: 25.1525
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x-2)}{(-1+3\,x)\,(x-1)}$$

Sequence: A024023
Score: 9.93562
Type of gen. func.: ogf

$$\{a(n+2)-4\,a(n+1)+3\,a(n),\ a(0)=0,\ a(1)=2\}$$

Sequence: A024024
Score: 10.5221
Type of gen. func.: ogf

$$-\frac{4\,x^{2}-3\,x+1}{(-1+3\,x)\,(x-1)^{2}}$$

Sequence: A024024
Score: 13.1003
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x-1)\,(3\,x^{2}+1)}{(-1+3\,x)\,(x-1)\,(4\,x^{2}-3\,x+1)}$$

Sequence: A024024
Score: 5.39366
Type of gen. func.: ogf

$$-(148\,f(x)-109)\,(3\,f(x)\,x^{3}-7\,f(x)\,x^{2}+5\,f(x)\,x+4\,x^{2}-f(x)-3\,x+1)$$

Sequence: A024024
Score: 5.73077
Type of gen. func.: ogf

{a(n + 3) - 5 a(n + 2) + 7 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 2, a(2) = 7}

Sequence: A024025
Score: 4.48843
Type of gen. func.: ogf

$$(395 f(x) + 229) (3 f(x) x^4 - 10 f(x) x^3 + 12 f(x) x^2 - 2 x^3 - 6 f(x) x - 5 x^2 + f(x) + 4 x - 1)$$

Sequence: A024025
Score: 8.12463
Type of gen. func.: ogf

$$\frac{2 x^3 + 5 x^2 - 4 x + 1}{(-1 + 3 x) (x - 1)^3}$$

Sequence: A024025
Score: 9.67405
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^4 + 21 x^3 - 16 x^2 + 5 x - 1)}{(-1 + 3 x) (x - 1) (2 x^3 + 5 x^2 - 4 x + 1)}$$

Sequence: A024026
Score: 6.61802
Type of gen. func.: ogf

$$- \frac{4 x^4 + 7 x^3 + 5 x^2 - 5 x + 1}{(-1 + 3 x) (x - 1)^4}$$

Sequence: A024026
Score: 7.91842
Type of gen. func.: lgdogf

$$-\frac{2\,(6\,x^{5}+39\,x^{4}+32\,x^{3}-38\,x^{2}+10\,x-1)}{(-1+3\,x)\,(x-1)\,(4\,x^{4}+7\,x^{3}+5\,x^{2}-5\,x+1)}$$

Sequence: A024027
Score: 5.15021
Type of gen. func.: ogf

$$\frac{2\,x^{5}+37\,x^{4}+12\,x^{3}+2\,x^{2}-6\,x+1}{(-1+3\,x)\,(x-1)^{5}}$$

Sequence: A024027
Score: 6.23658
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^{6}+123\,x^{5}+197\,x^{4}-38\,x^{3}-63\,x^{2}+19\,x-1)}{(-1+3\,x)\,(x-1)\,(2\,x^{5}+37\,x^{4}+12\,x^{3}+2\,x^{2}-6\,x+1)}$$

Sequence: A024028
Score: 3.22765
Type of gen. func.: ogf

$$-\frac{4\,x^{6}+71\,x^{5}+187\,x^{4}-8\,x^{3}-8\,x^{2}-7\,x+1}{(-1+3\,x)\,(x-1)^{6}}$$

Sequence: A024031
Score: 3.84794
Type of gen. func.: ogf

$$(2\,x^{9}+749\,x^{8}+12596\,x^{7}+42648\,x^{6}+31112\,x^{5}-2614\,x^{4}-3636\,x^{3}-208\,x^{2}-10\,x+1)\ /\ ((x-1)^{9}\,(-1+3\,x))$$

Sequence: A024036
Score: 12.1117
Type of gen. func.: ogf

$$-4 f(x) x^2 + 5 f(x) x - f(x) + 3 x$$

Sequence: A024036
Score: 14.3864
Type of gen. func.: revogf

$$-\frac{-5 x - 3 + (x + 3)^{1/2} (3 x + 1)^{1/2} 3^{1/2}}{8 x}$$

Sequence: A024036
Score: 19.3133
Type of gen. func.: ogf

$$\frac{3 x}{(4 x - 1) (x - 1)}$$

Sequence: A024036
Score: 30.6493
Type of gen. func.: lgdogf

$$-\frac{-5 + 8 x}{(4 x - 1) (x - 1)}$$

Sequence: A024036
Score: 8.82211
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 3\}$$

Sequence: A024037
Score: 4.24151
Type of gen. func.: ogf

$$(3897 f(x) - 1661) (4 f(x) x^3 - 9 f(x) x^2 + 6 f(x) x + 5 x^2 - f(x) - 3 x + 1)$$

Sequence: A024037
Score: 4.39165
Type of gen. func.: ogf

$$\{a(n+3) - 6a(n+2) + 9a(n+1) - 4a(n),\ a(0) = 1,\ a(1) = 3,\ a(2) = 14\}$$

Sequence: A024037
Score: 8.13536
Type of gen. func.: ogf

$$-\frac{5x^2 - 3x + 1}{(4x - 1)(x - 1)^2}$$

Sequence: A024037
Score: 9.68157
Type of gen. func.: lgdogf

$$-\frac{20x^3 - 4x^2 + 5x - 3}{(4x - 1)(x - 1)(5x^2 - 3x + 1)}$$

Sequence: A024038
Score: 3.88883
Type of gen. func.: ogf

$$-(1075896 f(x) + 646003)(4 f(x) x^4 - 13 f(x) x^3 + 15 f(x) x^2 - 3x^3 - 7 f(x) x - 6x^2 + f(x) + 4x - 1)$$

Sequence: A024038
Score: 7.58075
Type of gen. func.: ogf

$$\frac{3x^3 + 6x^2 - 4x + 1}{(4x - 1)(x - 1)^3}$$

Sequence: A024038
Score: 9.02056
Type of gen. func.: lgdogf

$$-\frac{3 (4 x^4 + 24 x^3 - 13 x^2 + 4 x - 1)}{(4 x - 1) (x - 1) (3 x^3 + 6 x^2 - 4 x + 1)}$$

Sequence: A024039
Score: 7.33373
Type of gen. func.: ogf

$$-\frac{5 x^4 + 11 x^3 + 6 x^2 - 5 x + 1}{(4 x - 1) (x - 1)^4}$$

Sequence: A024039
Score: 8.51826
Type of gen. func.: lgdogf

$$-\frac{20 x^5 + 148 x^4 + 129 x^3 - 101 x^2 + 23 x - 3}{(4 x - 1) (x - 1) (5 x^4 + 11 x^3 + 6 x^2 - 5 x + 1)}$$

Sequence: A024040
Score: 4.15643
Type of gen. func.: ogf

$$\frac{3 x^5 + 48 x^4 + 23 x^3 + 3 x^2 - 6 x + 1}{(4 x - 1) (x - 1)^5}$$

Sequence: A024041
Score: 3.63087
Type of gen. func.: ogf

$$5 x^6 + 97 x^5 + 253 x^4 + 18 x^3 - 7 x^2 - 7 x + 1$$

$$- \frac{}{(4 x - 1) (x - 1)^6}$$

Sequence: A024042
Score: 3.15798
Type of gen. func.: ogf

$$\frac{3 x^7 + 234 x^6 + 1130 x^5 + 941 x^4 - 109 x^3 - 32 x^2 - 8 x + 1}{(4 x - 1) (x - 1)^7}$$

Sequence: A024044
Score: 3.72108
Type of gen. func.: ogf

$$(3 x^9 + 996 x^8 + 16889 x^7 + 58267 x^6 + 46731 x^5 + 1679 x^4 - 3389 x^3 - 207 x^2 - 10 x + 1) / ((4 x - 1) (x - 1)^9)$$

Sequence: A024049
Score: 14.8112
Type of gen. func.: ogf

$$\frac{4 x}{(5 x - 1) (x - 1)}$$

Sequence: A024049
Score: 15.3966
Type of gen. func.: revogf

$$- \frac{-2 - 3 x + 2 (x^2 + 3 x + 1)^{1/2}}{5 x}$$

Sequence: A024049
Score: 21.5552
Type of gen. func.: lgdogf

$$-\frac{2(-3+5x)}{(5x-1)(x-1)}$$

Sequence: A024049
Score: 6.76560
Type of gen. func.: ogf

$$\{a(n+2)-6a(n+1)+5a(n),\ a(0)=0,\ a(1)=4\}$$

Sequence: A024049
Score: 9.28837
Type of gen. func.: ogf

$$-5f(x)x^2+6f(x)x-f(x)+4x$$

Sequence: A024050
Score: 11.7148
Type of gen. func.: lgdogf

$$-\frac{2(15x^3+3x-2)}{(5x-1)(x-1)(6x^2-3x+1)}$$

Sequence: A024050
Score: 4.59215
Type of gen. func.: ogf

$$(32016f(x)-12131)$$

$$(5f(x)x^3-11f(x)x^2+7f(x)x+6x^2-f(x)-3x+1)$$

Sequence: A024050
Score: 4.83384
Type of gen. func.: ogf

$$\{a(n+3)-7a(n+2)+11a(n+1)-5a(n),\ a(0)=1,\ a(1)=4,\ a(2)=23\}$$

Sequence: A024050
Score: 8.88803
Type of gen. func.: ogf

$$-\frac{6 x^2 - 3 x + 1}{(5 x - 1) (x - 1)^2}$$

Sequence: A024051
Score: 3.72337
Type of gen. func.: ogf

$$(138016 f(x) + 84399) (5 f(x) x^4 - 16 f(x) x^3 + 18 f(x) x^2 - 4 x^3 - 8 f(x) x - 7 x^2 + f(x) + 4 x - 1)$$

Sequence: A024051
Score: 6.97542
Type of gen. func.: ogf

$$\frac{4 x^3 + 7 x^2 - 4 x + 1}{(5 x - 1) (x - 1)^3}$$

Sequence: A024051
Score: 8.16485
Type of gen. func.: lgdogf

$$-\frac{2 (10 x^4 + 55 x^3 - 22 x^2 + 7 x - 2)}{(5 x - 1) (x - 1) (4 x^3 + 7 x^2 - 4 x + 1)}$$

Sequence: A024052
Score: 5.64963
Type of gen. func.: ogf

$$-\frac{6 x^4 + 15 x^3 + 7 x^2 - 5 x + 1}{(5 x - 1) (x - 1)^4}$$

Sequence: A024052

Score: 6.45585

Type of gen. func.: lgdogf

$$-\frac{2 (15 x^5 + 120 x^4 + 108 x^3 - 62 x^2 + 13 x - 2)}{(5 x - 1) (x - 1) (6 x^4 + 15 x^3 + 7 x^2 - 5 x + 1)}$$

Sequence: A024053

Score: 4.69801

Type of gen. func.: ogf

$$\frac{4 x^5 + 59 x^4 + 34 x^3 + 4 x^2 - 6 x + 1}{(5 x - 1) (x - 1)^5}$$

Sequence: A024053

Score: 5.43664

Type of gen. func.: lgdogf

$$-\frac{2 (10 x^6 + 335 x^5 + 658 x^4 + 58 x^3 - 122 x^2 + 23 x - 2)}{(5 x - 1) (x - 1) (4 x^5 + 59 x^4 + 34 x^3 + 4 x^2 - 6 x + 1)}$$

Sequence: A024054

Score: 3.88899

Type of gen. func.: ogf

$$-\frac{6 x^6 + 123 x^5 + 319 x^4 + 44 x^3 - 6 x^2 - 7 x + 1}{(5 x - 1) (x - 1)^6}$$

Sequence: A024055

Score: 3.43918

Type of gen. func.: ogf

$$4 x^7 + 291 x^6 + 1432 x^5 + 1243 x^4 - 52 x^3 - 31 x^2 - 8 x + 1$$

$$\overline{(5 x - 1) (x - 1)^{7}}$$

Sequence: A024062
Score: 11.8498
Type of gen. func.: revogf

$$-\frac{-7 x - 5 + (5 x^{2} + 14 x + 5)^{1/2} 5^{1/2}}{12 x}$$

Sequence: A024062
Score: 12.4888
Type of gen. func.: ogf

$$-6 f(x) x^{2} + 7 f(x) x - f(x) + 5 x$$

Sequence: A024062
Score: 14.6548
Type of gen. func.: ogf

$$\frac{5 x}{(6 x - 1) (x - 1)}$$

Sequence: A024062
Score: 22.2183
Type of gen. func.: lgdogf

$$-\frac{-7 + 12 x}{(6 x - 1) (x - 1)}$$

Sequence: A024062
Score: 6.69416
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) + 6 a(n), a(0) = 0, a(1) = 5\}$$

Sequence: A024063
Score: 10.6648
Type of gen. func.: lgdogf

$$-\frac{42 x^3 + 6 x^2 + 7 x - 5}{(6 x - 1) (x - 1) (7 x^2 - 3 x + 1)}$$

Sequence: A024063
Score: 4.50598
Type of gen. func.: ogf

$$(157525 f(x) - 58699)$$

$$(6 f(x) x^3 - 13 f(x) x^2 + 8 f(x) x + 7 x^2 - f(x) - 3 x + 1)$$

Sequence: A024063
Score: 4.78266
Type of gen. func.: ogf

$\{a(n + 3) - 8 a(n + 2) + 13 a(n + 1) - 6 a(n), a(0) = 1, a(1) = 5, a(2) = 34\}$

Sequence: A024063
Score: 8.79392
Type of gen. func.: ogf

$$-\frac{7 x^2 - 3 x + 1}{(6 x - 1) (x - 1)^2}$$

Sequence: A024064
Score: 3.49502
Type of gen. func.: ogf

$$(1178435500 f(x) + 731571053) (6 f(x) x^4 - 19 f(x) x^3 + 21 f(x) x^2 - 5 x^3$$

$$- 9 f(x) x - 8 x^2 + f(x) + 4 x - 1)$$

Sequence: A024064

Score: 6.90156
Type of gen. func.: ogf

$$\frac{5x^3+8x^2-4x+1}{(6x-1)(x-1)^3}$$

Sequence: A024064
Score: 8.07939
Type of gen. func.: lgdogf

$$-\frac{30x^4+156x^3-47x^2+16x-5}{(6x-1)(x-1)(5x^3+8x^2-4x+1)}$$

Sequence: A024065
Score: 5.56350
Type of gen. func.: ogf

$$-\frac{7x^4+19x^3+8x^2-5x+1}{(6x-1)(x-1)^4}$$

Sequence: A024065
Score: 6.50293
Type of gen. func.: lgdogf

$$-\frac{42x^5+354x^4+325x^3-145x^2+29x-5}{(6x-1)(x-1)(7x^4+19x^3+8x^2-5x+1)}$$

Sequence: A024066
Score: 4.70020
Type of gen. func.: ogf

$$\frac{5x^5+70x^4+45x^3+5x^2-6x+1}{(6x-1)(x-1)^5}$$

Sequence: A024066
Score: 5.55458
Type of gen. func.: lgdogf

$$-\frac{5\,(6\,x^{6}+192\,x^{5}+395\,x^{4}+58\,x^{3}-60\,x^{2}+10\,x-1)}{(6\,x-1)\,(x-1)\,(5\,x^{5}+70\,x^{4}+45\,x^{3}+5\,x^{2}-6\,x+1)}$$

Sequence: A024067
Score: 3.88577
Type of gen. func.: ogf

$$-\frac{7\,x^{6}+149\,x^{5}+385\,x^{4}+70\,x^{3}-5\,x^{2}-7\,x+1}{(6\,x-1)\,(x-1)^{6}}$$

Sequence: A024068
Score: 3.27483
Type of gen. func.: ogf

$$\frac{5\,x^{7}+348\,x^{6}+1734\,x^{5}+1545\,x^{4}+5\,x^{3}-30\,x^{2}-8\,x+1}{(6\,x-1)\,(x-1)^{7}}$$

Sequence: A024075
Score: 13.2369
Type of gen. func.: revogf

$$-\frac{-3-4\,x+(3\,x^{2}+8\,x+3)^{1/2}\,3^{1/2}}{7\,x}$$

Sequence: A024075
Score: 15.6264
Type of gen. func.: ogf

$$\frac{6\,x}{(7\,x-1)\,(x-1)}$$

Sequence: A024075
Score: 22.7675
Type of gen. func.: lgdogf

$$-\frac{2(-4+7x)}{(7x-1)(x-1)}$$

Sequence: A024075
Score: 7.13798
Type of gen. func.: ogf

$$\{a(n+2)-8a(n+1)+7a(n),\ a(0)=0,\ a(1)=6\}$$

Sequence: A024075
Score: 9.7996
Type of gen. func.: ogf

$$-7f(x)x^2+8f(x)x-f(x)+6x$$

Sequence: A024076
Score: 10.9459
Type of gen. func.: lgdogf

$$-\frac{2(28x^3+7x^2+4x-3)}{(7x-1)(x-1)(8x^2-3x+1)}$$

Sequence: A024076
Score: 4.76371
Type of gen. func.: ogf

$$(571572f(x)-215489)$$

$$(7f(x)x^3-15f(x)x^2+9f(x)x+8x^2-f(x)-3x+1)$$

Sequence: A024076
Score: 5.09800

Type of gen. func.: ogf

$\{a(n + 3) - 9 a(n + 2) + 15 a(n + 1) - 7 a(n), a(0) = 1, a(1) = 6, a(2) = 47\}$

Sequence: A024076
Score: 9.37374
Type of gen. func.: ogf

$$-\frac{8 x^2 - 3 x + 1}{(7 x - 1) (x - 1)^2}$$

Sequence: A024077
Score: 3.65517
Type of gen. func.: ogf

$$-(136311282 f(x) + 85635751) (7 f(x) x^4 - 22 f(x) x^3 + 24 f(x) x^2 - 6 x^3 - 10 f(x) x - 9 x^2 + f(x) + 4 x - 1)$$

Sequence: A024077
Score: 7.26465
Type of gen. func.: ogf

$$\frac{6 x^3 + 9 x^2 - 4 x + 1}{(7 x - 1) (x - 1)^3}$$

Sequence: A024077
Score: 8.89357
Type of gen. func.: lgdogf

$$-\frac{6 (7 x^4 + 35 x^3 - 8 x^2 + 3 x - 1)}{(7 x - 1) (x - 1) (6 x^3 + 9 x^2 - 4 x + 1)}$$

Sequence: A024078
Score: 5.93033

Type of gen. func.: ogf

$$-\frac{(x + 1)(8 x^3 + 15 x^2 - 6 x + 1)}{(7 x - 1)(x - 1)^4}$$

Sequence: A024078
Score: 6.85770
Type of gen. func.: lgdogf

$$-\frac{2 (28 x^5 + 245 x^4 + 228 x^3 - 82 x^2 + 16 x - 3)}{(x - 1)(7 x - 1)(x + 1)(8 x^3 + 15 x^2 - 6 x + 1)}$$

Sequence: A024079
Score: 5.01010
Type of gen. func.: ogf

$$\frac{6 x^5 + 81 x^4 + 56 x^3 + 6 x^2 - 6 x + 1}{(7 x - 1)(x - 1)^5}$$

Sequence: A024079
Score: 5.99146
Type of gen. func.: lgdogf

$$-\frac{6 (7 x^6 + 217 x^5 + 461 x^4 + 86 x^3 - 59 x^2 + 9 x - 1)}{(7 x - 1)(x - 1)(6 x^5 + 81 x^4 + 56 x^3 + 6 x^2 - 6 x + 1)}$$

Sequence: A024080
Score: 4.18109
Type of gen. func.: ogf

$$-\frac{8 x^6 + 175 x^5 + 451 x^4 + 96 x^3 - 4 x^2 - 7 x + 1}{(7 x - 1)(x - 1)^6}$$

Sequence: A024081
Score: 3.55049
Type of gen. func.: ogf

$$\frac{6 x^{7} + 405 x^{6} + 2036 x^{5} + 1847 x^{4} + 62 x^{3} - 29 x^{2} - 8 x + 1}{(7 x - 1) (x - 1)^{7}}$$

Sequence: A024082
Score: 3.79279
Type of gen. func.: ogf

$$- \frac{8 x^{8} + 831 x^{7} + 8245 x^{6} + 15665 x^{5} + 5991 x^{4} - 407 x^{3} - 85 x^{2} - 9 x + 1}{(7 x - 1) (x - 1)^{8}}$$

Sequence: A024088
Score: 11.9086
Type of gen. func.: revogf

$$- \frac{-9 x - 7 + (7 x^{2} + 18 x + 7)^{1/2} 7^{1/2}}{16 x}$$

Sequence: A024088
Score: 14.7222
Type of gen. func.: ogf

$$\frac{7 x}{(8 x - 1) (x - 1)}$$

Sequence: A024088
Score: 22.3287
Type of gen. func.: lgdogf

$$- \frac{-9 + 16 x}{(8 x - 1) (x - 1)}$$

Sequence: A024088
Score: 6.72495
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) + 8 a(n), a(0) = 0, a(1) = 7\}$$

Sequence: A024088
Score: 9.23256
Type of gen. func.: ogf

$$-8 f(x) x^2 + 9 f(x) x - f(x) + 7 x$$

Sequence: A024089
Score: 10.5076
Type of gen. func.: lgdogf

$$- \frac{72 x^3 + 24 x^2 + 9 x - 7}{(8 x - 1) (x - 1) (9 x^2 - 3 x + 1)}$$

Sequence: A024089
Score: 4.41666
Type of gen. func.: ogf

$$(1690353 f(x) - 649529)$$

$$(8 f(x) x^3 - 17 f(x) x^2 + 10 f(x) x + 9 x^2 - f(x) - 3 x + 1)$$

Sequence: A024089
Score: 4.76231
Type of gen. func.: ogf

$$\{a(n + 3) - 10 a(n + 2) + 17 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 7, a(2) = 62\}$$

Sequence: A024089
Score: 8.69311
Type of gen. func.: ogf

$$9 x^2 - 3 x + 1$$

$$- \frac{}{(8 x - 1) (x - 1)^{2}}$$

Sequence: A024090
Score: 3.44444
Type of gen. func.: ogf

$$(2961460285 f(x) + 1878169242) (8 f(x) x^{4} - 25 f(x) x^{3} + 27 f(x) x^{2} - 7 x^{3} - 11 f(x) x - 10 x^{2} + f(x) + 4 x - 1)$$

Sequence: A024090
Score: 6.76131
Type of gen. func.: ogf

$$\frac{7 x^{3} + 10 x^{2} - 4 x + 1}{(8 x - 1) (x - 1)^{3}}$$

Sequence: A024090
Score: 7.99833
Type of gen. func.: lgdogf

$$- \frac{56 x^{4} + 272 x^{3} - 47 x^{2} + 20 x - 7}{(8 x - 1) (x - 1) (7 x^{3} + 10 x^{2} - 4 x + 1)}$$

Sequence: A024091
Score: 5.53198
Type of gen. func.: ogf

$$- \frac{9 x^{4} + 27 x^{3} + 10 x^{2} - 5 x + 1}{(8 x - 1) (x - 1)^{4}}$$

Sequence: A024091
Score: 6.45648
Type of gen. func.: lgdogf

$$-\frac{72 x^5 + 648 x^4 + 609 x^3 - 181 x^2 + 35 x - 7}{(8 x - 1) (x - 1) (9 x^4 + 27 x^3 + 10 x^2 - 5 x + 1)}$$

Sequence: A024092
Score: 4.72126
Type of gen. func.: ogf

$$\frac{7 x^5 + 92 x^4 + 67 x^3 + 7 x^2 - 6 x + 1}{(8 x - 1) (x - 1)^5}$$

Sequence: A024092
Score: 5.41301
Type of gen. func.: lgdogf

$$-\frac{56 x^6 + 1696 x^5 + 3689 x^4 + 794 x^3 - 406 x^2 + 58 x - 7}{(8 x - 1) (x - 1) (7 x^5 + 92 x^4 + 67 x^3 + 7 x^2 - 6 x + 1)}$$

Sequence: A024093
Score: 3.91190
Type of gen. func.: ogf

$$-\frac{9 x^6 + 201 x^5 + 517 x^4 + 122 x^3 - 3 x^2 - 7 x + 1}{(8 x - 1) (x - 1)^6}$$

Sequence: A024094
Score: 3.65736
Type of gen. func.: ogf

$$\frac{7 x^7 + 462 x^6 + 2338 x^5 + 2149 x^4 + 119 x^3 - 28 x^2 - 8 x + 1}{(8 x - 1) (x - 1)^7}$$

Sequence: A024095
Score: 4.30164
Type of gen. func.: ogf

$$-\frac{9 x^{8} + 951 x^{7} + 9436 x^{6} + 18081 x^{5} + 7182 x^{4} - 287 x^{3} - 84 x^{2} - 9 x + 1}{(8 x - 1) (x - 1)^{8}}$$

Sequence: A024101
Score: 10.9695
Type of gen. func.: revogf

$$-\frac{-5 x - 4 + 2 (2 x + 1)^{1/2} (x + 2)^{1/2} 2^{1/2}}{9 x}$$

Sequence: A024101
Score: 14.9547
Type of gen. func.: ogf

$$\frac{8 x}{(9 x - 1) (x - 1)}$$

Sequence: A024101
Score: 22.3777
Type of gen. func.: lgdogf

$$-\frac{2 (-5 + 9 x)}{(9 x - 1) (x - 1)}$$

Sequence: A024101
Score: 6.93021
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 9 a(n), a(0) = 0, a(1) = 8\}$$

Sequence: A024101
Score: 9.47128
Type of gen. func.: ogf

$$-9 f(x) x^2 + 10 f(x) x - f(x) + 8 x$$

Sequence: A024102
Score: 10.3601
Type of gen. func.: lgdogf

$$-\frac{2 (45 x^3 + 18 x^2 + 5 x - 4)}{(9 x - 1) (x - 1) (10 x^2 - 3 x + 1)}$$

Sequence: A024102
Score: 4.5335
Type of gen. func.: ogf

$$(4313152 f(x) - 1690471)$$

$$(9 f(x) x^3 - 19 f(x) x^2 + 11 f(x) x + 10 x^2 - f(x) - 3 x + 1)$$

Sequence: A024102
Score: 4.96714
Type of gen. func.: ogf

$$\{a(n + 3) - 11 a(n + 2) + 19 a(n + 1) - 9 a(n), a(0) = 1, a(1) = 8, a(2) = 79\}$$

Sequence: A024102
Score: 8.92533
Type of gen. func.: ogf

$$-\frac{10 x^2 - 3 x + 1}{(9 x - 1) (x - 1)^2}$$

Sequence: A024103
Score: 3.59259
Type of gen. func.: ogf

$$(6412566272 f(x) + 4098017011) (9 f(x) x^4 - 28 f(x) x^3 + 30 f(x) x^2 - 8 x^3$$

```
                      2
     - 12 f(x) x - 11 x  + f(x) + 4 x - 1)
```

Sequence: A024103
Score: 7.05211
Type of gen. func.: ogf

$$\frac{8 x^3 + 11 x^2 - 4 x + 1}{(9 x - 1) (x - 1)^3}$$

Sequence: A024103
Score: 8.10788
Type of gen. func.: lgdogf

$$- \frac{2 (36 x^4 + 171 x^3 - 22 x^2 + 11 x - 4)}{(9 x - 1) (x - 1) (8 x^3 + 11 x^2 - 4 x + 1)}$$

Sequence: A024104
Score: 5.71221
Type of gen. func.: ogf

$$- \frac{10 x^4 + 31 x^3 + 11 x^2 - 5 x + 1}{(9 x - 1) (x - 1)^4}$$

Sequence: A024104
Score: 6.58169
Type of gen. func.: lgdogf

$$- \frac{2 (45 x^5 + 414 x^4 + 392 x^3 - 98 x^2 + 19 x - 4)}{(9 x - 1) (x - 1) (10 x^4 + 31 x^3 + 11 x^2 - 5 x + 1)}$$

Sequence: A024105
Score: 4.84086
Type of gen. func.: ogf

$$\frac{8 x^5 + 103 x^4 + 78 x^3 + 8 x^2 - 6 x + 1}{(9 x - 1) (x - 1)^5}$$

Sequence: A024105
Score: 5.48474
Type of gen. func.: lgdogf

$$- \frac{2 (36 x^6 + 1071 x^5 + 2372 x^4 + 562 x^3 - 228 x^2 + 31 x - 4)}{(9 x - 1) (x - 1) (8 x^5 + 103 x^4 + 78 x^3 + 8 x^2 - 6 x + 1)}$$

Sequence: A024106
Score: 4.05121
Type of gen. func.: ogf

$$- \frac{10 x^6 + 227 x^5 + 583 x^4 + 148 x^3 - 2 x^2 - 7 x + 1}{(9 x - 1) (x - 1)^6}$$

Sequence: A024107
Score: 3.45023
Type of gen. func.: ogf

$$\frac{8 x^7 + 519 x^6 + 2640 x^5 + 2451 x^4 + 176 x^3 - 27 x^2 - 8 x + 1}{(9 x - 1) (x - 1)^7}$$

Sequence: A024108
Score: 3.40784
Type of gen. func.: ogf

$$- (10 x^8 + 1071 x^7 + 10627 x^6 + 20497 x^5 + 8373 x^4 - 167 x^3 - 83 x^2 - 9 x + 1) / ((9 x - 1) (x - 1)^8)$$

Sequence: A024114
Score: 3.8046
Type of gen. func.: ogf

$$(2287271447 f(x) + 18648576)$$

$$(576 f(x) x^4 - 792 f(x) x^3 + 242 f(x) x^2 - 27 f(x) x + f(x) - 1)$$

Sequence: A024114
Score: 8.54608
Type of gen. func.: lgdogf

$$- \frac{2304 x^3 - 2376 x^2 + 484 x - 27}{(x - 1) (6 x - 1) (12 x - 1) (8 x - 1)}$$

Sequence: A024114
Score: 9.51148
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (6 x - 1) (12 x - 1) (8 x - 1)}$$

Sequence: A024115
Score: 10.1717
Type of gen. func.: lgdogf

$$- \frac{110 x^3 + 50 x^2 + 11 x - 9}{(x - 1) (10 x - 1) (11 x^2 - 3 x + 1)}$$

Sequence: A024115
Score: 4.4978
Type of gen. func.: ogf

$$(9841581 f(x) - 3929111)$$

$$(10 f(x) x^3 - 21 f(x) x^2 + 12 f(x) x + 11 x^2 - f(x) - 3 x + 1)$$

Sequence: A024115
Score: 4.92432
Type of gen. func.: ogf

$\{a(n + 3) - 12 a(n + 2) + 21 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 9, a(2) = 98\}$

Sequence: A024115
Score: 8.78802
Type of gen. func.: ogf

$$-\frac{11 x^2 - 3 x + 1}{(10 x - 1) (x - 1)^2}$$

Sequence: A024116
Score: 3.52606
Type of gen. func.: ogf

$$(67961640276 f(x) + 43704636779) (10 f(x) x^4 - 31 f(x) x^3 + 33 f(x) x^2 - 9 x^3 - 13 f(x) x - 12 x^2 + f(x) + 4 x - 1)$$

Sequence: A024116
Score: 6.96611
Type of gen. func.: ogf

$$\frac{9 x^3 + 12 x^2 - 4 x + 1}{(10 x - 1) (x - 1)^3}$$

Sequence: A024116
Score: 8.10788
Type of gen. func.: lgdogf

$$-\frac{3 (30 x^4 + 140 x^3 - 13 x^2 + 8 x - 3)}{(x - 1) (10 x - 1) (9 x^3 + 12 x^2 - 4 x + 1)}$$

Sequence: A024117
Score: 5.65565
Type of gen. func.: ogf

$$-\frac{11 x^4 + 35 x^3 + 12 x^2 - 5 x + 1}{(10 x - 1) (x - 1)^4}$$

Sequence: A024117
Score: 6.43039
Type of gen. func.: lgdogf

$$-\frac{110 x^5 + 1030 x^4 + 981 x^3 - 209 x^2 + 41 x - 9}{(x - 1) (10 x - 1) (11 x^4 + 35 x^3 + 12 x^2 - 5 x + 1)}$$

Sequence: A024118
Score: 4.76018
Type of gen. func.: ogf

$$\frac{9 x^5 + 114 x^4 + 89 x^3 + 9 x^2 - 6 x + 1}{(10 x - 1) (x - 1)^5}$$

Sequence: A024118
Score: 5.48474
Type of gen. func.: lgdogf

$$-\frac{3 (30 x^6 + 880 x^5 + 1977 x^4 + 502 x^3 - 168 x^2 + 22 x - 3)}{(x - 1) (10 x - 1) (9 x^5 + 114 x^4 + 89 x^3 + 9 x^2 - 6 x + 1)}$$

Sequence: A024119
Score: 4.02268
Type of gen. func.: ogf

$$-\frac{11 x^6 + 253 x^5 + 649 x^4 + 174 x^3 - x^2 - 7 x + 1}{(10 x - 1) (x - 1)^6}$$

Sequence: A024120
Score: 3.48305
Type of gen. func.: ogf

$$\frac{9 x^{7} + 576 x^{6} + 2942 x^{5} + 2753 x^{4} + 233 x^{3} - 26 x^{2} - 8 x + 1}{(10 x - 1) (x - 1)^{7}}$$

Sequence: A024121
Score: 4.34974
Type of gen. func.: ogf

$$- \frac{11 x^{8} + 1191 x^{7} + 11818 x^{6} + 22913 x^{5} + 9564 x^{4} - 47 x^{3} - 82 x^{2} - 9 x + 1}{(x - 1)^{8} (10 x - 1)}$$

Sequence: A024127
Score: 12.0753
Type of gen. func.: revogf

$$- \frac{-5 - 6 x + (5 x^{2} + 12 x + 5)^{1/2} 5^{1/2}}{11 x}$$

Sequence: A024127
Score: 13.8015
Type of gen. func.: ogf

$$\frac{10 x}{(11 x - 1) (x - 1)}$$

Sequence: A024127
Score: 20.1255
Type of gen. func.: lgdogf

$$- \frac{2 (-6 + 11 x)}{(11 x - 1) (x - 1)}$$

Sequence: A024127
Score: 6.57215
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 11 a(n), a(0) = 0, a(1) = 10\}$$

Sequence: A024127
Score: 8.90421
Type of gen. func.: ogf

$$-11 f(x) x^2 + 12 f(x) x - f(x) + 10 x$$

Sequence: A024128
Score: 4.33556
Type of gen. func.: ogf

$$(20570100 f(x) - 8349749)$$

$$(11 f(x) x^3 - 23 f(x) x^2 + 13 f(x) x + 12 x^2 - f(x) - 3 x + 1)$$

Sequence: A024128
Score: 4.70297
Type of gen. func.: ogf

$$\{a(n + 3) - 13 a(n + 2) + 23 a(n + 1) - 11 a(n), a(0) = 1, a(1) = 10, a(2) = 119\}$$

Sequence: A024128
Score: 8.53771
Type of gen. func.: ogf

$$-\frac{12 x^2 - 3 x + 1}{(11 x - 1) (x - 1)^2}$$

Sequence: A024128
Score: 9.87981
Type of gen. func.: lgdogf

$$-\frac{2\,(66\,x^3+33\,x^2+6\,x-5)}{(11\,x-1)\,(x-1)\,(12\,x^2-3\,x+1)}$$

Sequence: A024129
Score: 3.40461
Type of gen. func.: ogf

$$(18565937375\,f(x)+12001991346)\,(11\,f(x)\,x^4-34\,f(x)\,x^3+36\,f(x)\,x^2-10\,x^3-14\,f(x)\,x-13\,x^2+f(x)+4\,x-1)$$

Sequence: A024129
Score: 6.68616
Type of gen. func.: ogf

$$\frac{10\,x^3+13\,x^2-4\,x+1}{(11\,x-1)\,(x-1)^3}$$

Sequence: A024129
Score: 7.65337
Type of gen. func.: lgdogf

$$-\frac{2\,(55\,x^4+253\,x^3-16\,x^2+13\,x-5)}{(11\,x-1)\,(x-1)\,(10\,x^3+13\,x^2-4\,x+1)}$$

Sequence: A024130
Score: 5.49456
Type of gen. func.: ogf

$$-\frac{12\,x^4+39\,x^3+13\,x^2-5\,x+1}{(11\,x-1)\,(x-1)^4}$$

Sequence: A024130
Score: 6.24586
Type of gen. func.: lgdogf

$$-\frac{2\,(66\,x^5+627\,x^4+600\,x^3-110\,x^2+22\,x-5)}{(11\,x-1)\,(x-1)\,(12\,x^4+39\,x^3+13\,x^2-5\,x+1)}$$

Sequence: A024131
Score: 4.51180
Type of gen. func.: ogf

$$\frac{10\,x^5+125\,x^4+100\,x^3+10\,x^2-6\,x+1}{(11\,x-1)\,(x-1)^5}$$

Sequence: A024131
Score: 5.27563
Type of gen. func.: lgdogf

$$-\frac{10\,(11\,x^6+319\,x^5+725\,x^4+194\,x^3-55\,x^2+7\,x-1)}{(11\,x-1)\,(x-1)\,(10\,x^5+125\,x^4+100\,x^3+10\,x^2-6\,x+1)}$$

Sequence: A024132
Score: 4.11986
Type of gen. func.: ogf

$$-\frac{12\,x^6+279\,x^5+715\,x^4+200\,x^3-7\,x+1}{(11\,x-1)\,(x-1)^6}$$

Sequence: A024133
Score: 3.32830
Type of gen. func.: ogf

$$\frac{10\,x^7+633\,x^6+3244\,x^5+3055\,x^4+290\,x^3-25\,x^2-8\,x+1}{(11\,x-1)\,(x-1)^7}$$

Sequence: A024140
Score: 12.4661
Type of gen. func.: ogf

$$\frac{11 x}{(12 x - 1) (x - 1)}$$

Sequence: A024140
Score: 18.8517
Type of gen. func.: lgdogf

$$- \frac{-13 + 24 x}{(12 x - 1) (x - 1)}$$

Sequence: A024140
Score: 5.93625
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1) + 12 a(n), a(0) = 0, a(1) = 11\}$$

Sequence: A024140
Score: 8.04267
Type of gen. func.: ogf

$$-12 f(x) x^2 + 13 f(x) x - f(x) + 11 x$$

Sequence: A024140
Score: 9.80291
Type of gen. func.: revogf

$$- \frac{-13 x - 11 + (11 x^2 + 26 x + 11)^{1/2} 11^{1/2}}{24 x}$$

Sequence: A024141
Score: 3.88743
Type of gen. func.: ogf

$$(40057897 f(x) - 16501429)$$

$$(12 f(x) x^3 - 25 f(x) x^2 + 14 f(x) x + 13 x^2 - f(x) - 3 x + 1)$$

Sequence: A024141
Score: 4.24981
Type of gen. func.: ogf

$$\{a(n + 3) - 14 a(n + 2) + 25 a(n + 1) - 12 a(n), a(0) = 1, a(1) = 11, a(2) = 142\}$$

Sequence: A024141
Score: 7.71505
Type of gen. func.: ogf

$$- \frac{13 x^2 - 3 x + 1}{(12 x - 1) (x - 1)^2}$$

Sequence: A024141
Score: 8.75260
Type of gen. func.: lgdogf

$$- \frac{156 x^3 + 84 x^2 + 13 x - 11}{(12 x - 1) (x - 1) (13 x^2 - 3 x + 1)}$$

Sequence: A024142
Score: 3.00287
Type of gen. func.: ogf

$$(1691408488792 f(x) + 1098272403011) (12 f(x) x^4 - 37 f(x) x^3 + 39 f(x) x^2 - 11 x^3 - 15 f(x) x - 14 x^2 + f(x) + 4 x - 1)$$

Sequence: A024142
Score: 6.04190

Type of gen. func.: ogf

$$\frac{11 x^3 + 14 x^2 - 4 x + 1}{(12 x - 1) (x - 1)^3}$$

Sequence: A024142
Score: 6.90346
Type of gen. func.: lgdogf

$$- \frac{132 x^4 + 600 x^3 - 23 x^2 + 28 x - 11}{(12 x - 1) (x - 1) (11 x^3 + 14 x^2 - 4 x + 1)}$$

Sequence: A024143
Score: 4.96513
Type of gen. func.: ogf

$$- \frac{13 x^4 + 43 x^3 + 14 x^2 - 5 x + 1}{(12 x - 1) (x - 1)^4}$$

Sequence: A024143
Score: 5.50725
Type of gen. func.: lgdogf

$$- \frac{156 x^5 + 1500 x^4 + 1441 x^3 - 229 x^2 + 47 x - 11}{(12 x - 1) (x - 1) (13 x^4 + 43 x^3 + 14 x^2 - 5 x + 1)}$$

Sequence: A024144
Score: 4.07706
Type of gen. func.: ogf

$$\frac{11 x^5 + 136 x^4 + 111 x^3 + 11 x^2 - 6 x + 1}{(12 x - 1) (x - 1)^5}$$

Sequence: A024145
Score: 3.53154
Type of gen. func.: ogf

$$-\frac{13 x^{6} + 305 x^{5} + 781 x^{4} + 226 x^{3} + x^{2} - 7 x + 1}{(12 x - 1) (x - 1)^{6}}$$

Sequence: A024146
Score: 4.16649
Type of gen. func.: ogf

$$\frac{11 x^{7} + 690 x^{6} + 3546 x^{5} + 3357 x^{4} + 347 x^{3} - 24 x^{2} - 8 x + 1}{(12 x - 1) (x - 1)^{7}}$$

Sequence: A024163
Score: 11.8582
Type of gen. func.: ogf

$$-\frac{x^{10}}{(x^{2} - x + 1) (x + 1)^{2} (x^{2} + x + 1)^{2} (x - 1)^{3}}$$

Sequence: A024163
Score: 17.5950
Type of gen. func.: lgdogf

$$-\frac{x (11 x^{4} + 2 x^{2} + 3 x + 2)}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A024163
Score: 23.9545
Type of gen. func.: egf]_with_Euler_transform]

$$x + 1/2 x^{2} + 1/120 x^{5}$$

Sequence: A024164
Score: 15.5193
Type of gen. func.: ogf

$$\frac{x^{8}}{(x + 1) (x^{2} - x + 1) (x - 1)^{2} (x^{2} + x + 1)^{2}}$$

Sequence: A024164
Score: 19.9109
Type of gen. func.: egf]_with_Euler_transform]

$$1/2 x^{2} + 1/120 x^{5}$$

Sequence: A024164
Score: 20.9087
Type of gen. func.: lgdogf

$$- \frac{3 x^{2} (3 x^{3} + 1)}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A024165
Score: 11.7827
Type of gen. func.: ogf

$$- \frac{x^{12}}{(x^{2} + 1) (x^{2} - x + 1) (x + 1)^{2} (x^{2} + x + 1)^{2} (x - 1)^{3}}$$

Sequence: A024165
Score: 13.7776
Type of gen. func.: lgdogf

$$- \frac{x^{2} (13 x^{5} + 13 x^{3} + 3 x^{2} + 4 x + 3)}{(x - 1) (x + 1) (x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A024165
Score: 20.0051
Type of gen. func.: egf]_with_Euler_transform]

$$1/2\, x^2 + 1/6\, x^3 + 1/120\, x^5$$

Sequence: A024166
Score: 22.8713
Type of gen. func.: lgdogf

$$-\frac{2\,(x + 5)\,(2\,x + 1)}{(x - 1)\,(x^2 + 4\,x + 1)}$$

Sequence: A024166
Score: 3.98169
Type of gen. func.: ogf

$$\{(n + 3)\, a(n + 4) + (-4 + 3\, n)\, a(n + 3) + (-25 - 3\, n)\, a(n + 2) + (-n - 4)\, a(n + 1),\ a(0) = 0,\ a(1) = 1,\ a(2) = 10,\ a(3) = 46\}$$

Sequence: A024166
Score: 8.56928
Type of gen. func.: ogf

$$\frac{x\,(x^2 + 4\,x + 1)}{(x - 1)^6}$$

Sequence: A024167
Score: 4.42227
Type of gen. func.: ogf

$$\{(-n^2 - 6\, n - 9)\, a(n + 1) + a(n + 3) - a(n + 2),\ a(0) = 1,\ a(1) = 1,\ a(2) = 5\}$$

Sequence: A024168

Score: 4.91994
Type of gen. func.: ogf

$$\{(-n^2 - 6n - 9)\,a(n + 1) + a(n + 3) - a(n + 2),\ a(0) = 0,\ a(1) = 1,\ a(2) = 1\}$$

Sequence: A024170
Score: 3.54152
Type of gen. func.: ogf

$$(17936074134121\,f(x) + 156159576000)$$

$$(540\,f(x)\,x^4 - 744\,f(x)\,x^3 + 229\,f(x)\,x^2 - 26\,f(x)\,x + f(x) - 1)$$

Sequence: A024170
Score: 8.13986
Type of gen. func.: lgdogf

$$-\frac{2\,(1080\,x^3 - 1116\,x^2 + 229\,x - 13)}{(x - 1)\,(6\,x - 1)\,(9\,x - 1)\,(10\,x - 1)}$$

Sequence: A024170
Score: 9.35971
Type of gen. func.: ogf

$$\frac{1}{(x - 1)\,(6\,x - 1)\,(9\,x - 1)\,(10\,x - 1)}$$

Sequence: A024172
Score: 5.26183
Type of gen. func.: ogf

$$\frac{x^2\,(x^4 - x^3 + x^2 - x + 1)\,(x^5 - x^3 - x^2 - x - 1)}{(x^2 + x + 1)\,(x^6 + x^3 + 1)\,(x - 1)^3}$$

Sequence: A024174
Score: 5.24626
Type of gen. func.: ogf

$$\frac{x^2 (x^7 - 2 x^6 + 2 x^5 - 2 x^4 + x^3 - x^2 + x - 1)}{(x^4 + 1) (x^2 + 1) (x - 1)^3}$$

Sequence: A024175
Score: 5.05527
Type of gen. func.: ogf

$$\{-a(n + 4) + 6 a(n + 3) - 10 a(n + 2) + 4 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 5\}$$

Sequence: A024175
Score: 6.86072
Type of gen. func.: ogf

$$-4 f(x) x^3 + 10 f(x) x^2 + x^3 - 6 f(x) x - 6 x^2 + f(x) + 5 x - 1$$

Sequence: A024175
Score: 9.60501
Type of gen. func.: ogf

$$\frac{x^3 - 6 x^2 + 5 x - 1}{(2 x - 1) (2 x^2 - 4 x + 1)}$$

Sequence: A024175
Score: 9.69365
Type of gen. func.: lgdogf

$$\frac{14 x^4 - 28 x^3 + 23 x^2 - 8 x + 1}{(2 x - 1) (2 x^2 - 4 x + 1) (x^3 - 6 x^2 + 5 x - 1)}$$

Sequence: A024178
Score: 10.8588
Type of gen. func.: lgdogf

$$-\frac{4x^5-11x^4+10x^3+17x^2+14x+11}{(x-1)(x^3-3x^2+3x+2)(x^2+x+1)}$$

Sequence: A024178
Score: 7.77951
Type of gen. func.: ogf

$$-\frac{x^3-3x^2+3x+2}{(x^2+x+1)(x-1)^5}$$

Sequence: A024180
Score: 6.18015
Type of gen. func.: ogf

$$-\frac{x(x^{10}-2x^9+x^7+x^4+x^2-x+2)}{(x^2+x+1)(x^6+x^3+1)(x-1)^3}$$

Sequence: A024182
Score: 3.79223
Type of gen. func.: ogf

$$\frac{x(x^6-2x^5+2x^4-2x^3+x^2-1)}{(x^4+1)(x^2+1)(x-1)^3}$$

Sequence: A024183
Score: 19.5360
Type of gen. func.: lgdogf

$$-\frac{12x^2-44x+47}{(x-1)(4x^2-13x+12)}$$

Sequence: A024183

Score: 3.69690
Type of gen. func.: ogf

$$\{(-12 n - 48) a(n + 4) + (122 + 25 n) a(n + 3) + (-78 - 17 n) a(n + 2) + (16 + 4 n) a(n + 1), a(0) = 12, a(1) = 47, a(2) = 119, a(3) = 245\}$$

Sequence: A024183
Score: 9.58454
Type of gen. func.: ogf

$$-\frac{4 x^2 - 13 x + 12}{(x - 1)^5}$$

Sequence: A024184
Score: 12.0514
Type of gen. func.: lgdogf

$$-\frac{32 x^3 - 181 x^2 + 386 x - 342}{(x - 1) (8 x^3 - 41 x^2 + 78 x - 60)}$$

Sequence: A024184
Score: 3.53736
Type of gen. func.: ogf

$$\{(57 n^2 + 803 n + 2590) a(n + 1) + (-29 n^2 + 227 n + 2736) a(n + 2) + (-28 n^2 - 520 n - 1308) a(n + 3), a(0) = 60, a(1) = 342, a(2) = 1175\}$$

Sequence: A024184
Score: 6.48517
Type of gen. func.: ogf

$$\frac{8 x^3 - 41 x^2 + 78 x - 60}{(x - 1)^7}$$

Sequence: A024185
Score: 4.85099
Type of gen. func.: ogf

$$-\frac{16 x^{4} - 113 x^{3} + 328 x^{2} - 486 x + 360}{(x - 1)^{9}}$$

Sequence: A024185
Score: 8.55652
Type of gen. func.: lgdogf

$$-\frac{80 x^{4} - 614 x^{3} + 1957 x^{2} - 3232 x + 2754}{(x - 1) (16 x^{4} - 113 x^{3} + 328 x^{2} - 486 x + 360)}$$

Sequence: A024191
Score: 10.0861
Type of gen. func.: ogf

$$-\frac{2 x^{2} - 6 x + 5}{(x - 1)^{5}}$$

Sequence: A024191
Score: 21.7234
Type of gen. func.: lgdogf

$$-\frac{6 x^{2} - 20 x + 19}{(x - 1) (2 x^{2} - 6 x + 5)}$$

Sequence: A024191
Score: 3.92511
Type of gen. func.: ogf

$$\{(-5 n - 20) a(n + 4) + (52 + 11 n) a(n + 3) + (-36 - 8 n) a(n + 2) + (8 + 2 n) a(n + 1), a(0) = 5, a(1) = 19, a(2) = 47, a(3) = 95\}$$

Sequence: A024196
Score: 22.1335
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 34 x + 23}{(x - 1) (x^2 + 8 x + 3)}$$

Sequence: A024196
Score: 3.79640
Type of gen. func.: ogf

$$\{(3 n + 12) a(n + 4) + (-8 + 5 n) a(n + 3) + (-48 - 7 n) a(n + 2) + (-n - 4) a(n + 1), a(0) = 3, a(1) = 23, a(2) = 86, a(3) = 230\}$$

Sequence: A024196
Score: 9.70725
Type of gen. func.: ogf

$$-\frac{x^2 + 8 x + 3}{(x - 1)^5}$$

Sequence: A024197
Score: 14.3275
Type of gen. func.: lgdogf

$$-\frac{4 (x^3 + 42 x^2 + 123 x + 44)}{(x - 1) (x^3 + 33 x^2 + 71 x + 15)}$$

Sequence: A024197
Score: 3.79680
Type of gen. func.: ogf

$$\{(-73 n^2 - 777 n - 2060) a(n + 1) + (-19 n^2 - 808 n - 3124) a(n + 2) + (92 n^2 + 595 n + 957) a(n + 3), a(0) = 15, a(1) = 176, a(2) = 950\}$$

Sequence: A024197
Score: 6.89049
Type of gen. func.: ogf

$$-\frac{x^3 + 33 x^2 + 71 x + 15}{(x - 1)^7}$$

Sequence: A024198
Score: 4.55869
Type of gen. func.: ogf

$$-\frac{x^4 + 112 x^3 + 718 x^2 + 744 x + 105}{(x - 1)^9}$$

Sequence: A024198
Score: 8.40311
Type of gen. func.: lgdogf

$$-\frac{5 x^4 + 676 x^3 + 5362 x^2 + 7388 x + 1689}{(x - 1) (x^4 + 112 x^3 + 718 x^2 + 744 x + 105)}$$

Sequence: A024199
Score: 5.75076
Type of gen. func.: ogf

$\{(-4 n^2 - 12 n - 9) a(n + 1) + a(n + 3) - 2 a(n + 2), a(0) = 0, a(1) = 1,$

$a(2) = 2\}$

Sequence: A024200
Score: 3.34095
Type of gen. func.: ogf

$\{(8 n^3 + 40 n^2 + 66 n + 36) a(n + 1) + (-4 n^3 - 36 n^2 - 101 n - 92) a(n + 2)$

$+ (-4 n - 12) a(n + 3) + (n + 4) a(n + 4), a(0) = 1, a(1) = 0, a(2) = 1,$

$a(3) = 2\}$

Sequence: A024201
Score: 5.80243
Type of gen. func.: ogf

$$\frac{x (x^6 - 2 x^5 - x^3 - x^2 - x - 2)}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^3}$$

Sequence: A024202
Score: 7.81542
Type of gen. func.: ogf

$$\frac{x^4 - 5 x^3 - 7 x - 1}{(x^2 + x + 1) (x - 1)^5}$$

Sequence: A024202
Score: 9.80768
Type of gen. func.: lgdogf

$$- \frac{3 x^6 - 16 x^5 - 16 x^4 - 58 x^3 - 50 x^2 - 32 x - 11}{(x - 1) (x^2 + x + 1) (x^4 - 5 x^3 - 7 x - 1)}$$

Sequence: A024204
Score: 6.45625
Type of gen. func.: ogf

$$\frac{x (x^{11} - 2 x^{10} + 2 x^9 - x^8 - x^7 - x^5 - 2 x^3 - 2)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^3}$$

Sequence: A024206
Score: 12.8134

Type of gen. func.: ogf

$$\frac{x\,(x^2 - x - 1)}{(x + 1)\,(x - 1)^3}$$

Sequence: A024206
Score: 20.0180
Type of gen. func.: lgdogf

$$-\frac{2\,x^3 - x^2 - 4\,x - 3}{(x - 1)\,(x + 1)\,(x^2 - x - 1)}$$

Sequence: A024206
Score: 6.9989
Type of gen. func.: ogf

$$-(f(x) - 4)\,(f(x)\,x^4 - 2\,f(x)\,x^3 - x^3 + 2\,f(x)\,x + x^2 - f(x) + x)$$

Sequence: A024211
Score: 5.18255
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A024212
Score: 19.2878
Type of gen. func.: lgdogf

$$-\frac{3\,(2\,x + 13)\,(2\,x + 1)}{(x - 1)\,(4\,x^2 + 19\,x + 4)}$$

Sequence: A024212
Score: 3.79581
Type of gen. func.: ogf

{(16 + 4 n) a(n + 4) + (6 + 15 n) a(n + 3) + (-114 - 15 n) a(n + 2)

+ (-16 - 4 n) a(n + 1), a(0) = 4, a(1) = 39, a(2) = 159, a(3) = 445}

Sequence: A024212
Score: 9.82165
Type of gen. func.: ogf

$$-\frac{4 x^2 + 19 x + 4}{(x - 1)^5}$$

Sequence: A024213
Score: 11.0444
Type of gen. func.: lgdogf

$$-\frac{32 x^3 + 759 x^2 + 1626 x + 418}{(x - 1) (8 x^3 + 147 x^2 + 222 x + 28)}$$

Sequence: A024213
Score: 6.04229
Type of gen. func.: ogf

$$-\frac{8 x^3 + 147 x^2 + 222 x + 28}{(x - 1)^7}$$

Sequence: A024214
Score: 4.42190
Type of gen. func.: ogf

$$-\frac{16 x^4 + 887 x^3 + 4128 x^2 + 3194 x + 280}{(x - 1)^9}$$

Sequence: A024214
Score: 7.43322
Type of gen. func.: lgdogf

$$-\frac{80 x^4 + 5386 x^3 + 31557 x^2 + 33808 x + 5714}{(x - 1) (16 x^4 + 887 x^3 + 4128 x^2 + 3194 x + 280)}$$

Sequence: A024215
Score: 11.8571
Type of gen. func.: ogf

$$\frac{4 x^2 + 13 x + 1}{(x - 1)^4}$$

Sequence: A024215
Score: 22.0336
Type of gen. func.: lgdogf

$$-\frac{8 x^2 + 47 x + 17}{(x - 1) (4 x^2 + 13 x + 1)}$$

Sequence: A024215
Score: 4.06862
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (19 + 12 n) a(n + 3) + (-65 - 9 n) a(n + 2)$$
$$+ (-4 n - 12) a(n + 1), a(0) = 1, a(1) = 17, a(2) = 66, a(3) = 166\}$$

Sequence: A024215
Score: 6.05838
Type of gen. func.: ogf

$$(4736 f(x) + 42097)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 4 x^2 + f(x) - 13 x - 1)$$

Sequence: A024216
Score: 3.74527

Type of gen. func.: ogf

$\{(-9 n^2 - 42 n - 49) a(n + 1) + (6 n + 17) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 5, a(2) = 39\}$

Sequence: A024217
Score: 5.45520
Type of gen. func.: ogf

$\{(-9 n^2 - 42 n - 49) a(n + 1) + a(n + 3) - 3 a(n + 2), a(0) = 1, a(1) = 3, a(2) = 25\}$

Sequence: A024219
Score: 12.5123
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - 8 x^4 + 8 x^3 - 17 x^2 + 4 x - 7}{(x - 1) (x^2 + 1) (x^3 - 3 x^2 + 2 x - 3)}$$

Sequence: A024219
Score: 9.41194
Type of gen. func.: ogf

$$\frac{x (x^3 - 3 x^2 + 2 x - 3)}{(x^2 + 1) (x - 1)^3}$$

Sequence: A024220
Score: 6.93900
Type of gen. func.: ogf

$$\frac{x^4 - 8 x^3 - 7 x^2 - 11 x - 2}{(x^2 + x + 1) (x - 1)^5}$$

Sequence: A024220
Score: 8.51086
Type of gen. func.: lgdogf

$$-\frac{3x^6-28x^5-63x^4-122x^3-110x^2-66x-19}{(x-1)(x^2+x+1)(x^4-8x^3-7x^2-11x-2)}$$

Sequence: A024224
Score: 6.39469
Type of gen. func.: ogf

$$\frac{x(x^7-2x^6+2x^5-3x^4+2x^3-3x^2+2x-2)}{(x^4+1)(x^2+1)(x-1)^3}$$

Sequence: A024305
Score: 14.6279
Type of gen. func.: lgdogf

$$-\frac{2(2x^4+3x^3-4x^2-14x-3)}{(x-1)(x+1)(x^3+x^2-2x-4)}$$

Sequence: A024305
Score: 8.55430
Type of gen. func.: ogf

$$-\frac{x^3+x^2-2x-4}{(x+1)^3(x-1)^4}$$

Sequence: A024306
Score: 12.2398
Type of gen. func.: lgdogf

$$-\frac{3x^5-3x^4-17x^3+5x^2+36x+8}{(x-1)(x+1)(x^4-x^3-4x^2+2x+6)}$$

Sequence: A024306
Score: 7.77792
Type of gen. func.: ogf

$$\frac{x^4 - x^3 - 4 x^2 + 2 x + 6}{(x + 1)^3 (x - 1)^4}$$

Sequence: A024309
Score: 5.30726
Type of gen. func.: ogf

$$\frac{x^7 + 2 x^5 - 3 x^3 + x^2 - 2}{(x^2 + x - 1) (x^4 + x^2 - 1)^2}$$

Sequence: A024309
Score: 5.88673
Type of gen. func.: lgdogf

$$- (3 x^{12} + 2 x^{11} + 8 x^{10} + 6 x^9 - 17 x^8 - 4 x^7 + 14 x^6 - 20 x^5 - 25 x^4 - 4 x^3 + 10 x + 2) \Big/ ((x^2 + x - 1) (x^4 + x^2 - 1) (x^7 + 2 x^5 - 3 x^3 + x^2 - 2))$$

Sequence: A024312
Score: 11.7806
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^5 - 3 x^4 - 17 x^3 + 2 x^2 + 25 x + 6)}{(x - 1) (x + 1) (2 x^4 - 2 x^3 - 8 x^2 + 3 x + 9)}$$

Sequence: A024312
Score: 8.14069
Type of gen. func.: ogf

```
 4      3      2
```

$$\frac{2 x - 2 x - 8 x + 3 x + 9}{(x + 1)^{3} (x - 1)^{4}}$$

Sequence: A024313
Score: 3.59794
Type of gen. func.: ogf

$$\frac{2 x^{7} + 3 x^{5} + x^{4} - 4 x^{3} + 2 x^{2} - 3}{(x^{2} + x - 1) (x^{4} + x^{2} - 1)}$$

Sequence: A024315
Score: 3.37663
Type of gen. func.: ogf

$$\frac{2 x^{6} + x^{5} + 4 x^{4} + 2 x^{3} - 2 x^{2} - 3 x - 3}{(x^{2} + x - 1) (x^{4} + x^{2} - 1)}$$

Sequence: A024343
Score: 4.14394
Type of gen. func.: ogf

$$\{(64 n^{2} + 256 n + 252) a(n + 1) + a(n + 2), a(0) = 2, a(1) = -120\}$$

Sequence: A024346
Score: 3.40354
Type of gen. func.: ogf

$$(17716644975814615 f(x) + 139783333561344)$$

$$(594 f(x) x^{4} - 813 f(x) x^{3} + 245 f(x) x^{2} - 27 f(x) x + f(x) - 1)$$

Sequence: A024346
Score: 8.40674
Type of gen. func.: lgdogf

$$3 \qquad 2$$

```
                  2376 x  - 2439 x  + 490 x - 27
              - ------------------------------------
                (x - 1) (9 x - 1) (6 x - 1) (11 x - 1)
```

Sequence: A024346
Score: 9.35971
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (9 x - 1) (6 x - 1) (11 x - 1)}$$

Sequence: A024347
Score: 3.77097
Type of gen. func.: ogf

$$(16486960219 f(x) + 118920960)$$

$$(648 f(x) x^4 - 882 f(x) x^3 + 261 f(x) x^2 - 28 f(x) x + f(x) - 1)$$

Sequence: A024347
Score: 8.31974
Type of gen. func.: lgdogf

$$-\frac{2 (1296 x^3 - 1323 x^2 + 261 x - 14)}{(x - 1) (9 x - 1) (6 x - 1) (12 x - 1)}$$

Sequence: A024347
Score: 9.56209
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (9 x - 1) (6 x - 1) (12 x - 1)}$$

Sequence: A024352
Score: 11.0694
Type of gen. func.: ogf

```
                          4      3      2
                         x  + 2 x  - 2 x  - 2 x - 3
                      - --------------------------
                             2                  2
```

$$(x \quad + x + 1) (x - 1)$$

Sequence: A024352
Score: 11.6037
Type of gen. func.: lgdogf

$$- \frac{3 x^5 - x^4 - 2 x^3 - 10 x^2 - 9 x - 5}{(x - 1) (x^2 + x + 1) (x^4 + 2 x^3 - 2 x^2 - 2 x - 3)}$$

Sequence: A024352
Score: 6.9038
Type of gen. func.: ogf

$$(9 f(x) + 46) (f(x) x^4 - f(x) x^3 + x^4 + 2 x^3 - f(x) x - 2 x^2 + f(x) - 2 x - 3)$$

Sequence: A024378
Score: 18.6481
Type of gen. func.: lgdogf

$$- \frac{27 x^2 + 154 x + 59}{(x - 1) (9 x^2 + 34 x + 5)}$$

Sequence: A024378
Score: 3.56375
Type of gen. func.: ogf

$$\{(5 n + 20) a(n + 4) + (28 + 29 n) a(n + 3) + (-204 - 25 n) a(n + 2)$$

$$+ (-36 - 9 n) a(n + 1), a(0) = 5, a(1) = 59, a(2) = 254, a(3) = 730\}$$

Sequence: A024378
Score: 9.26575
Type of gen. func.: ogf

$$- \frac{9 x^2 + 34 x + 5}{(x - 1)^5}$$

Sequence: A024379
Score: 11.1630
Type of gen. func.: lgdogf

$$-\frac{4\,(27\,x^3+509\,x^2+941\,x+203)}{(x-1)\,(27\,x^3+391\,x^2+497\,x+45)}$$

Sequence: A024379
Score: 6.25203
Type of gen. func.: ogf

$$-\frac{27\,x^3+391\,x^2+497\,x+45}{(x-1)^7}$$

Sequence: A024380
Score: 4.57305
Type of gen. func.: ogf

$$-\frac{81\,x^4+3412\,x^3+13678\,x^2+9124\,x+585}{(x-1)^9}$$

Sequence: A024380
Score: 7.20110
Type of gen. func.: lgdogf

$$-\frac{405\,x^4+20796\,x^3+105982\,x^2+100348\,x+14389}{(x-1)\,(81\,x^4+3412\,x^3+13678\,x^2+9124\,x+585)}$$

Sequence: A024381
Score: 11.1423
Type of gen. func.: ogf

$$2$$

$$\frac{9 x + 22 x + 1}{(x - 1)^{4}}$$

Sequence: A024381
Score: 19.1379
Type of gen. func.: lgdogf

$$- \frac{2 (3 x + 13) (3 x + 1)}{(x - 1) (9 x^{2} + 22 x + 1)}$$

Sequence: A024381
Score: 3.76792
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (37 + 21 n) a(n + 3) + (-110 - 13 n) a(n + 2) + (-27 - 9 n) a(n + 1), a(0) = 1, a(1) = 26, a(2) = 107, a(3) = 276\}$$

Sequence: A024381
Score: 5.61121
Type of gen. func.: ogf

$$(22040 f(x) + 332399) (f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 4 f(x) x - 9 x^{2} + f(x) - 22 x - 1)$$

Sequence: A024382
Score: 4.60100
Type of gen. func.: ogf

$$\{(-16 n^{2} - 72 n - 81) a(n + 1) + (8 n + 22) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 6, a(2) = 59\}$$

Sequence: A024385
Score: 5.99442
Type of gen. func.: ogf

$$x (x^{6} - 2 x^{5} - 2 x^{4} - 2 x^{3} - x^{2} - 3 x - 3)$$

$$\overline{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^3}$$

Sequence: A024386
Score: 20.6408
Type of gen. func.: lgdogf

$$- \frac{3 x^2 - 54 x - 29}{(x - 1) (x^2 - 14 x - 3)}$$

Sequence: A024386
Score: 3.69410
Type of gen. func.: ogf

$$\{(-3 n - 12) a(n + 4) + (-4 - 11 n) a(n + 3) + (84 + 15 n) a(n + 2) + (-n - 4) a(n + 1), a(0) = 3, a(1) = 29, a(2) = 114, a(3) = 310\}$$

Sequence: A024386
Score: 9.46612
Type of gen. func.: ogf

$$\frac{x^2 - 14 x - 3}{(x - 1)^5}$$

Sequence: A024388
Score: 4.34789
Type of gen. func.: ogf

$$(x^{20} - 2 x^{19} + x^{18} + x^{12} - 2 x^{11} + x^{10} + x^9 - x^8 - x^7 - 2 x^6 - x^5 - 2 x^4 - x^3 - x^2 - x - 3) \Big/ ((x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^3)$$

Sequence: A024390
Score: 4.96208
Type of gen. func.: ogf

$$\frac{x\,(x^{16} - 2\,x^{15} + x^{14} + x^{4} - 2\,x^{2} - x - 2)}{(x^{2} + 1)\,(x + 1)\,(x - 1)^{3}}$$

Sequence: A024391
Score: 20.7663
Type of gen. func.: lgdogf

$$-\frac{3\,(x^{2} + 22\,x + 22)}{(x - 1)\,(x^{2} + 16\,x + 10)}$$

Sequence: A024391
Score: 3.67968
Type of gen. func.: ogf

{(10 n + 40) a(n + 4) + (-48 + 6 n) a(n + 3) + (-96 - 15 n) a(n + 2)

+ (-n - 4) a(n + 1), a(0) = 10, a(1) = 66, a(2) = 231, a(3) = 595}

Sequence: A024391
Score: 9.40363
Type of gen. func.: ogf

$$-\frac{x^{2} + 16\,x + 10}{(x - 1)^{5}}$$

Sequence: A024392
Score: 11.9661
Type of gen. func.: lgdogf

$$-\frac{4\,x^{3} + 393\,x^{2} + 1632\,x + 806}{(x - 1)\,(x^{3} + 78\,x^{2} + 246\,x + 80)}$$

Sequence: A024392
Score: 3.47756

Type of gen. func.: ogf

$$\{(-6 n^2 - 65 n - 175) a(n + 1) + (-15 n^2 - 242 n - 827) a(n + 2)$$

$$+ (21 n^2 + 145 n + 246) a(n + 3), a(0) = 80, a(1) = 806, a(2) = 4040\}$$

Sequence: A024392
Score: 6.15751
Type of gen. func.: ogf

$$- \frac{x^3 + 78 x^2 + 246 x + 80}{(x - 1)^7}$$

Sequence: A024393
Score: 4.49606
Type of gen. func.: ogf

$$- \frac{x^4 + 332 x^3 + 3048 x^2 + 4244 x + 880}{(x - 1)^9}$$

Sequence: A024393
Score: 7.78484
Type of gen. func.: lgdogf

$$- \frac{5 x^4 + 1996 x^3 + 22332 x^2 + 40048 x + 12164}{(x - 1) (x^4 + 332 x^3 + 3048 x^2 + 4244 x + 880)}$$

Sequence: A024394
Score: 11.5140
Type of gen. func.: ogf

$$\frac{x^2 + 13 x + 4}{(x - 1)^4}$$

Sequence: A024394
Score: 22.6094
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 41 x + 29}{(x - 1) (x^2 + 13 x + 4)}$$

Sequence: A024394
Score: 3.97036
Type of gen. func.: ogf

$$\{(16 + 4 n) a(n + 4) + (-2 + 9 n) a(n + 3) + (-65 - 12 n) a(n + 2)$$
$$+ (-3 - n) a(n + 1), a(0) = 4, a(1) = 29, a(2) = 93, a(3) = 214\}$$

Sequence: A024394
Score: 5.7162
Type of gen. func.: ogf

$$(108320 f(x) + 1169439)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - x^2 + f(x) - 13 x - 4)$$

Sequence: A024395
Score: 3.88111
Type of gen. func.: ogf

$$\{(-9 n^2 - 48 n - 64) a(n + 1) + (6 n + 19) a(n + 2) - a(n + 3), a(0) = 1,$$
$$a(1) = 7, a(2) = 66\}$$

Sequence: A024396
Score: 5.54650
Type of gen. func.: ogf

$$\{(-9 n^2 - 48 n - 64) a(n + 1) + a(n + 3) - 3 a(n + 2), a(0) = 1, a(1) = 3,$$
$$a(2) = 34\}$$

Sequence: A024398
Score: 11.2231
Type of gen. func.: lgdogf

$$-\frac{x^6-2x^5-3x^4-10x^2-4}{(x-1)(x^2+1)(x^4-2x^3-x-1)}$$

Sequence: A024398
Score: 7.44224
Type of gen. func.: ogf

$$\frac{x(x^4-2x^3-x-1)}{(x^2+1)(x-1)^3}$$

Sequence: A024399
Score: 6.97157
Type of gen. func.: ogf

$$\frac{x^4-5x^3-7x^2-11x-5}{(x^2+x+1)(x-1)^5}$$

Sequence: A024399
Score: 8.55158
Type of gen. func.: lgdogf

$$-\frac{3x^6-16x^5-51x^4-110x^3-122x^2-78x-31}{(x-1)(x^2+x+1)(x^4-5x^3-7x^2-11x-5)}$$

Sequence: A024401
Score: 6.43044
Type of gen. func.: ogf

$$\frac{x^4-x^3-x^2-x-1}{(x^2+x+1)(x-1)^3}$$

Sequence: A024401
Score: 8.83312
Type of gen. func.: lgdogf

$$-\frac{x^6 - 3 x^4 - 4 x^3 - 12 x^2 - 6 x - 3}{(x - 1) (x^2 + x + 1) (x^4 - x^3 - x^2 - x - 1)}$$

Sequence: A024415
Score: 2.12939
Type of gen. func.: ogf

$$-(2 f(x) x - f(x) - x + 1)^3$$

Sequence: A024434
Score: 3.4443
Type of gen. func.: ogf

$$(11161944182268827 f(x) + 78953912433000)$$

$$(660 f(x) x^4 - 896 f(x) x^3 + 263 f(x) x^2 - 28 f(x) x + f(x) - 1)$$

Sequence: A024434
Score: 8.05694
Type of gen. func.: lgdogf

$$-\frac{2 (1320 x^3 - 1344 x^2 + 263 x - 14)}{(x - 1) (6 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A024434
Score: 9.41030
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (6 x - 1) (10 x - 1) (11 x - 1)}$$

```
------------------------------------------------------------------------------

Sequence:  A024435
Score: 3.29245
Type of gen. func.: ogf


(452420734229 f(x) + 2925528000)

               4             3             2
    (720 f(x) x  - 972 f(x) x  + 280 f(x) x  - 29 f(x) x + f(x) - 1)



------------------------------------------------------------------------------

Sequence:  A024435
Score: 7.46811
Type of gen. func.: lgdogf


                               3         2
                         2880 x  - 2916 x  + 560 x - 29
                   - ---------------------------------------
                     (x - 1) (6 x - 1) (12 x - 1) (10 x - 1)



------------------------------------------------------------------------------

Sequence:  A024435
Score: 8.46630
Type of gen. func.: ogf


                                       1
                    ---------------------------------------
                    (x - 1) (6 x - 1) (12 x - 1) (10 x - 1)



------------------------------------------------------------------------------

Sequence:  A024436
Score: 3.17654
Type of gen. func.: ogf


(335164352498111 f(x) + 1963832276736)

               4              3             2
    (792 f(x) x  - 1062 f(x) x  + 299 f(x) x  - 30 f(x) x + f(x) - 1)



------------------------------------------------------------------------------

Sequence:  A024436
Score: 7.32137
Type of gen. func.: lgdogf


                                3         2
                       2 (1584 x  - 1593 x  + 299 x - 15)
                   - ---------------------------------------
                     (x - 1) (6 x - 1) (12 x - 1) (11 x - 1)



------------------------------------------------------------------------------
```

Sequence: A024436
Score: 8.41505
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (6 x - 1) (12 x - 1) (11 x - 1)}$$

Sequence: A024437
Score: 3.55738
Type of gen. func.: ogf

$$(495637236416051279 f(x) + 4627553208477696)$$

$$(504 f(x) x^4 - 695 f(x) x^3 + 215 f(x) x^2 - 25 f(x) x + f(x) - 1)$$

Sequence: A024437
Score: 9.05649
Type of gen. func.: lgdogf

$$- \frac{2016 x^3 - 2085 x^2 + 430 x - 25}{(x - 1) (8 x - 1) (7 x - 1) (9 x - 1)}$$

Sequence: A024437
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (8 x - 1) (7 x - 1) (9 x - 1)}$$

Sequence: A024438
Score: 3.34174
Type of gen. func.: ogf

$$(199894816740854807 f(x) + 1673276140928000)$$

$$(560 f(x) x^4 - 766 f(x) x^3 + 231 f(x) x^2 - 26 f(x) x + f(x) - 1)$$

Sequence: A024438
Score: 8.09489
Type of gen. func.: lgdogf

$$-\frac{2\,(1120\,x^3 - 1149\,x^2 + 231\,x - 13)}{(x - 1)\,(8\,x - 1)\,(7\,x - 1)\,(10\,x - 1)}$$

Sequence: A024438
Score: 9.30912
Type of gen. func.: ogf

$$\frac{1}{(x - 1)\,(8\,x - 1)\,(7\,x - 1)\,(10\,x - 1)}$$

Sequence: A024439
Score: 3.31737
Type of gen. func.: ogf

$$(1828234225970707047\,f(x) + 13867896748783616)$$

$$(616\,f(x)\,x^4 - 837\,f(x)\,x^3 + 247\,f(x)\,x^2 - 27\,f(x)\,x + f(x) - 1)$$

Sequence: A024439
Score: 8.40674
Type of gen. func.: lgdogf

$$-\frac{2464\,x^3 - 2511\,x^2 + 494\,x - 27}{(x - 1)\,(7\,x - 1)\,(11\,x - 1)\,(8\,x - 1)}$$

Sequence: A024439
Score: 9.35971
Type of gen. func.: ogf

$$\frac{1}{(x - 1)\,(7\,x - 1)\,(11\,x - 1)\,(8\,x - 1)}$$

Sequence: A024440
Score: 3.52288
Type of gen. func.: ogf

$$(5494036424721239\,f(x) + 38097609596928)$$

$$(672 f(x) x^4 - 908 f(x) x^3 + 263 f(x) x^2 - 28 f(x) x + f(x) - 1)$$

Sequence: A024440
Score: 8.31974
Type of gen. func.: lgdogf

$$- \frac{2 (1344 x^3 - 1362 x^2 + 263 x - 14)}{(x - 1) (7 x - 1) (12 x - 1) (8 x - 1)}$$

Sequence: A024440
Score: 9.56209
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (7 x - 1) (12 x - 1) (8 x - 1)}$$

Sequence: A024441
Score: 3.31737
Type of gen. func.: ogf

$$(5222124992667743207 f(x) + 38670310651896000)$$

$$(630 f(x) x^4 - 853 f(x) x^3 + 249 f(x) x^2 - 27 f(x) x + f(x) - 1)$$

Sequence: A024441
Score: 8.54685
Type of gen. func.: lgdogf

$$- \frac{3 (840 x^3 - 853 x^2 + 166 x - 9)}{(x - 1) (9 x - 1) (7 x - 1) (10 x - 1)}$$

Sequence: A024441
Score: 9.35971
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (9 x - 1) (7 x - 1) (10 x - 1)}$$

Sequence: A024442
Score: 3.31432
Type of gen. func.: ogf

$$(13852687537621857037 f(x) + 92950641614743605)$$

$$(693 f(x) x^4 - 932 f(x) x^3 + 266 f(x) x^2 - 28 f(x) x + f(x) - 1)$$

Sequence: A024442
Score: 8.59407
Type of gen. func.: lgdogf

$$- \frac{4 (693 x^3 - 699 x^2 + 133 x - 7)}{(x - 1) (9 x - 1) (7 x - 1) (11 x - 1)}$$

Sequence: A024442
Score: 9.41030
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (9 x - 1) (7 x - 1) (11 x - 1)}$$

Sequence: A024443
Score: 3.12146
Type of gen. func.: ogf

$$(483790945520999 f(x) + 2967448442112)$$

$$(756 f(x) x^4 - 1011 f(x) x^3 + 283 f(x) x^2 - 29 f(x) x + f(x) - 1)$$

Sequence: A024443
Score: 7.54508
Type of gen. func.: lgdogf

$$- \frac{3024 x^3 - 3033 x^2 + 566 x - 29}{(x - 1) (9 x - 1) (7 x - 1) (12 x - 1)}$$

Sequence: A024443
Score: 8.26912
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (9 x - 1) (7 x - 1) (12 x - 1)}$$

Sequence: A024444
Score: 3.26776
Type of gen. func.: ogf

$$(228839787625651538803 f(x) + 1376430574421056000)$$

$$(770 f(x) x^4 - 1027 f(x) x^3 + 285 f(x) x^2 - 29 f(x) x + f(x) - 1)$$

Sequence: A024444
Score: 8.40824
Type of gen. func.: lgdogf

$$- \frac{3080 x^3 - 3081 x^2 + 570 x - 29}{(x - 1) (7 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A024444
Score: 9.34461
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (7 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A024445
Score: 11.1020
Type of gen. func.: lgdogf

$$- \frac{6 (560 x^3 - 557 x^2 + 101 x - 5)}{(x - 1) (7 x - 1) (12 x - 1) (10 x - 1)}$$

Sequence: A024445
Score: 12.0877
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (7 x - 1) (12 x - 1) (10 x - 1)}$$

Sequence: A024445
Score: 4.33333
Type of gen. func.: ogf

$$(3260148772539006233 f(x) + 17924677057728000)$$

$$(840 f(x) x^4 - 1114 f(x) x^3 + 303 f(x) x^2 - 30 f(x) x + f(x) - 1)$$

Sequence: A024446
Score: 11.0654
Type of gen. func.: lgdogf

$$- \frac{3696 x^3 - 3651 x^2 + 646 x - 31}{(x - 1) (7 x - 1) (12 x - 1) (11 x - 1)}$$

Sequence: A024446
Score: 12.2427
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (7 x - 1) (12 x - 1) (11 x - 1)}$$

Sequence: A024446
Score: 4.28118
Type of gen. func.: ogf

$$(805065917548386739097 f(x) + 4010379565292432640)$$

$$(924 f(x) x^4 - 1217 f(x) x^3 + 323 f(x) x^2 - 31 f(x) x + f(x) - 1)$$

Sequence: A024458
Score: 7.44058
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 + 1}{(x^2 + 1)(x^2 - x - 1)(x^2 + x - 1)}$$

Sequence: A024458
Score: 8.22691
Type of gen. func.: lgdogf

$$-\frac{5 x^8 - 7 x^7 - 2 x^6 + 11 x^5 - 7 x^3 - 4 x^2 - 5 x - 1}{(x^2 + 1)(x^2 + x - 1)(x^2 - x - 1)(x^3 - x^2 + 1)}$$

Sequence: A024459
Score: 4.88283
Type of gen. func.: ogf

$$\frac{3 x^3 - x^2 - 2 x - 1}{(x^2 + 1)(x^2 - x - 1)(x^2 + x - 1)}$$

Sequence: A024463
Score: 5.49190
Type of gen. func.: ogf

$$-\frac{5 x^5 - 3 x^4 + 3 x^3 - x^2 - x - 1}{(x - 1)^2 (x^4 + x^2 - 1)^2}$$

Sequence: A024463
Score: 6.95450
Type of gen. func.: lgdogf

$$-\frac{25 x^9 - 33 x^8 + 38 x^7 - 24 x^6 + 21 x^5 - 41 x^4 + 20 x^3 - 12 x^2 + 7 x + 3}{(x - 1)(x^4 + x^2 - 1)(5 x^5 - 3 x^4 + 3 x^3 - x^2 - x - 1)}$$

Sequence: A024469
Score: 4.14092
Type of gen. func.: ogf

$$-\frac{2x^5-4x^4-x^3+7x^2+2x+1}{(x^2+1)(x^2-x-1)(x^2+x-1)}$$

Sequence: A024472
Score: 4.38438
Type of gen. func.: ogf

$$\frac{2x^4-x^3-4x^2-x-1}{(x^2+1)(x^2-x-1)(x^2+x-1)}$$

Sequence: A024473
Score: 5.31182
Type of gen. func.: ogf

$$-\frac{6x^7-2x^6+7x^5-x^4+5x^3-7x^2-x-1}{(x-1)^2(x^4+x^2-1)}$$

Sequence: A024482
Score: 11.7706
Type of gen. func.: revogf

$$\frac{-2-3x+x^2+((x^2+8x+4)(x+1)^2)^{1/2}}{2(2x+1)^2}$$

Sequence: A024482
Score: 3.52349
Type of gen. func.: ogf

$$\{(-4n^2-18n-20)a(n+1)+(17n^2+125n+224)a(n+2)$$

$$+(-4n^2-32n-60)a(n+3),\ a(0)=2,\ a(1)=7,\ a(2)=25\}$$

Sequence: A024482
Score: 6.54872
Type of gen. func.: ogf

$$-4 f(x)^2 x^3 + f(x)^2 x^2 - 4 f(x) x^2 - 3 f(x) x + f(x) - x - 2$$

Sequence: A024483
Score: 5.71950
Type of gen. func.: ogf

$$\{(-4 n^2 - 18 n - 20) a(n + 1) + (n^2 + 5 n + 4) a(n + 2), a(0) = 0, a(1) = 2\}$$

Sequence: A024483
Score: 7.20894
Type of gen. func.: ogf

$$-4 f(x)^2 x^3 + f(x)^2 x^2 + 8 f(x) x^2 - 10 f(x) x + 2 f(x) - 4 x$$

Sequence: A024484
Score: 2.34329
Type of gen. func.: ogf

$$-f(x)^3 x^2 + 2 f(x)^2 x - 2 f(x) x - f(x) - x + 2$$

Sequence: A024484
Score: 7.80637
Type of gen. func.: revogf

$$(-1 + (-x + 1)^{1/2}) (x - 1)$$

Sequence: A024485
Score: 18.5469
Type of gen. func.: ogf

$$-27 x + 2 - 3 f(x) + f(x)$$

Sequence: A024485
Score: 4.18926
Type of gen. func.: ogf

$$\{(27 n^2 + 54 n + 24) a(n + 1) + (-4 n^2 - 14 n - 12) a(n + 2), a(0) = -2, a(1) = 3\}$$

Sequence: A024485
Score: 8.44608
Type of gen. func.: ogf

$$-2 \operatorname{hypergeom}\left([-1/3, 1/3], [1/2], \frac{27 x}{4}\right)$$

Sequence: A024486
Score: 4.61834
Type of gen. func.: ogf

$$\{(54 n^3 + 243 n^2 + 363 n + 180) a(n + 1) + (-2 n^3 - 13 n^2 - 28 n - 20) a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A024487
Score: 4.94746
Type of gen. func.: ogf

$$\{(-54 n^3 - 405 n^2 - 1011 n - 840) a(n + 1) + (2 n^3 + 19 n^2 + 60 n + 63) a(n + 2), a(0) = 1, a(1) = 9\}$$

Sequence: A024488
Score: 3.93884
Type of gen. func.: ogf

$$\{(27 n^2 + 108 n + 105) a(n + 1) + (-n^2 - 6 n - 9) a(n + 2), a(0) = 3, a(1) = 18\}$$

Sequence: A024489
Score: 5.67688
Type of gen. func.: ogf

$$\{(27 n^2 + 108 n + 105) a(n + 1) + (-n^2 - 6 n - 9) a(n + 2), a(0) = 1, a(1) = 6\}$$

Sequence: A024490
Score: 18.4923
Type of gen. func.: lgdogf

$$- \frac{2 (x + 1) (2 x^2 - 2 x + 1)}{(x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A024490
Score: 21.3873
Type of gen. func.: ogf

$$- \frac{1}{(x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A024490
Score: 7.60894
Type of gen. func.: ogf

$$-(13 f(x) - 6) (f(x) x^4 - f(x) x^2 + 2 f(x) x - f(x) + 1)$$

Sequence: A024491
Score: 20.0431
Type of gen. func.: lgdogf

$$- \frac{4}{(1 - 16 x)^{1/2} (1 + (1 - 16 x)^{1/2})}$$

Sequence: A024491
Score: 5.94053
Type of gen. func.: ogf

$$\{(32 n^2 + 64 n + 30) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2), a(0) = -1, a(1) = 2\}$$

Sequence: A024492
Score: 28.1431
Type of gen. func.: revogf

$$-x (x - 1) (2 x - 1)^2$$

Sequence: A024492
Score: 4.30142
Type of gen. func.: ogf

$$\{(32 n^2 + 128 n + 126) a(n + 1) + (-2 n^2 - 11 n - 15) a(n + 2), a(0) = 1, a(1) = 5\}$$

Sequence: A024493
Score: 12.0821
Type of gen. func.: ogf

$$-\frac{(x - 1)^2}{(2 x - 1) (x^2 - x + 1)}$$

Sequence: A024493
Score: 16.0645
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 6 x^2 + 3 x - 1}{(x - 1) (2 x - 1) (x^2 - x + 1)}$$

Sequence: A024493
Score: 6.58044
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A024493
Score: 6.63972
Type of gen. func.: ogf

$$(f(x) - 1) (2 f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) - 2 x + 1)$$

Sequence: A024494
Score: 15.4289
Type of gen. func.: ogf

$$\frac{x - 1}{(2 x - 1) (x^2 - x + 1)}$$

Sequence: A024494
Score: 17.8558
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 9 x^2 + 6 x - 2}{(x - 1) (2 x - 1) (x^2 - x + 1)}$$

Sequence: A024494
Score: 7.30116
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 2, a(2) = 3\}$$

Sequence: A024494
Score: 8.60768
Type of gen. func.: ogf

$$f(x) (2 f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) - x + 1)$$

Sequence: A024495
Score: 18.9040
Type of gen. func.: ogf

$$-\frac{x^2}{(2x-1)(x^2-x+1)}$$

Sequence: A024495
Score: 22.5869
Type of gen. func.: lgdogf

$$-\frac{3(2x^2-2x+1)}{(2x-1)(x^2-x+1)}$$

Sequence: A024495
Score: 7.04605
Type of gen. func.: ogf

$$\{a(n+3)-3a(n+2)+3a(n+1)-2a(n), a(0)=0, a(1)=0, a(2)=1\}$$

Sequence: A024495
Score: 9.56871
Type of gen. func.: ogf

$$2f(x)x^3-3f(x)x^2+3f(x)x+x^2-f(x)$$

Sequence: A024496
Score: 7.83909
Type of gen. func.: revogf

$$-3/32+\frac{3x}{8}-\frac{x^2}{4}+\frac{(9-8x)^{1/2}}{32}$$

Sequence: A024497
Score: 6.53439
Type of gen. func.: revogf

$$-x + 1 - (x - 1)^{(4/3)} (-1)^{(2/3)}$$

Sequence: A024537
Score: 12.4412
Type of gen. func.: ogf

$$-\frac{x^2 + x - 1}{(x - 1) (x^2 + 2 x - 1)}$$

Sequence: A024537
Score: 14.9035
Type of gen. func.: lgdogf

$$-\frac{x^4 + 2 x^3 + x^2 - 4 x + 2}{(x - 1) (x^2 + x - 1) (x^2 + 2 x - 1)}$$

Sequence: A024537
Score: 6.59923
Type of gen. func.: ogf

$$-(5 f(x) + 3) (f(x) x^3 + f(x) x^2 - 3 f(x) x + x^2 + f(x) + x - 1)$$

Sequence: A024537
Score: 6.77600
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A024551
Score: 10.9929
Type of gen. func.: ogf

2

$$-\frac{x + x - 1}{(x - 1)(x^2 + 4x - 1)}$$

Sequence: A024551
Score: 12.6511
Type of gen. func.: lgdogf

$$-\frac{x^4 + 2x^3 + 5x^2 - 8x + 4}{(x - 1)(x^2 + x - 1)(x^2 + 4x - 1)}$$

Sequence: A024551
Score: 5.93424
Type of gen. func.: ogf

$$\{-a(n + 3) + 5a(n + 2) - 3a(n + 1) - a(n), a(0) = 1, a(1) = 4, a(2) = 16\}$$

Sequence: A024551
Score: 6.04117
Type of gen. func.: ogf

$$(7f(x) + 1)(f(x)x^3 + 3f(x)x^2 - 5f(x)x + x^2 + f(x) + x - 1)$$

Sequence: A024591
Score: 4.91582
Type of gen. func.: ogf

$$\frac{x^4 - 2x^2 - x - 1}{(x^2 + 1)(x^2 - x - 1)(x^2 + x - 1)}$$

Sequence: A024592
Score: 4.90294
Type of gen. func.: ogf

$$-\frac{3x^7 - x^6 + 6x^5 - 2x^4 + 4x^3 - 4x^2 - x - 1}{^{2}\quad{}^{4}\quad{}^{2}\quad{}^{2}}$$

$$(x - 1) (x + x - 1)$$

Sequence: A024598
Score: 10.7901
Type of gen. func.: lgdogf

$$-\frac{9 x^5 + 11 x^4 + 54 x^3 + 26 x^2 + 25 x + 3}{(x - 1) (x + 1) (3 x^4 + 2 x^3 + 8 x^2 + 2 x + 1)}$$

Sequence: A024598
Score: 7.46423
Type of gen. func.: ogf

$$\frac{3 x^4 + 2 x^3 + 8 x^2 + 2 x + 1}{(x + 1)^3 (x - 1)^4}$$

Sequence: A024638
Score: 4.68867
Type of gen. func.: ogf

$$x (10 x^{11} + 10 x^{10} + 10 x^9 + 10 x^8 + 10 x^7 + 10 x^6 - 45 x^5 - x^4 - x^3 - x^2 - x - 1) / ((x + 1) (x^2 + x + 1) (x^2 - x + 1) (10 x^6 - 1) (x - 1)^2)$$

Sequence: A024643
Score: 4.16663
Type of gen. func.: ogf

$$x (10 x^{13} + 10 x^{12} + 10 x^{11} + 10 x^{10} + 10 x^9 + 10 x^8 + 10 x^7 - 54 x^6 - x^5 - x^4 - x^3 - x^2 - x - 1) / ((x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (10 x^7 - 1) (x - 1)^2)$$

Sequence: A024646
Score: 4.26545
Type of gen. func.: ogf

$$\frac{x\,(24581\,x^{24} - 23904\,x^{23} + 3899\,x^{16} - 3904\,x^{15} + 93\,x^{8} - 160\,x^{7} - 5)}{(677\,x^{24} - 5\,x^{16} - 67\,x^{8} - 5)\,(x - 1)^{2}}$$

Sequence: A024658
Score: 4.89170
Type of gen. func.: ogf

$$\frac{x\,(73\,x^{30} - 60\,x^{29} + 39\,x^{20} - 40\,x^{19} + 19\,x^{10} - 20\,x^{9} - 1)}{(13\,x^{30} - x^{20} - x^{10} - 1)\,(x - 1)^{2}}$$

Sequence: A024718
Score: 5.00881
Type of gen. func.: ogf

$$\{(4\,n + 10)\,a(n + 1) + (-5\,n - 13)\,a(n + 2) + (n + 3)\,a(n + 3),\ a(0) = 1,\ a(1) = 2,\ a(2) = 5\}$$

Sequence: A024718
Score: 5.99479
Type of gen. func.: ogf

$$4\,f(x)^{2}\,x^{3} - 9\,f(x)^{2}\,x^{2} + 6\,f(x)^{2}\,x + 4\,f(x)\,x^{2} - f(x)^{2} - 5\,f(x)\,x + f(x) + x$$

Sequence: A024719
Score: 4.51682
Type of gen. func.: ogf

$$\{(-27\,n^{2} - 135\,n - 168)\,a(n + 1) + (31\,n^{2} + 157\,n + 198)\,a(n + 2) + (-4\,n^{2} - 22\,n - 30)\,a(n + 3),\ a(0) = 1,\ a(1) = 2,\ a(2) = 7\}$$

Sequence: A024771

Score: 3.35655
Type of gen. func.: ogf

```
(1119486981296859241 f(x) + 7208987548032000)

               4             3             2
    (720 f(x) x  - 962 f(x) x  + 269 f(x) x  - 28 f(x) x + f(x) - 1)
```

Sequence: A024771
Score: 8.18483
Type of gen. func.: lgdogf

```
                                 3         2
                        2 (1440 x  - 1443 x  + 269 x - 14)
                    - --------------------------------------
                      (x - 1) (9 x - 1) (8 x - 1) (10 x - 1)
```

Sequence: A024771
Score: 9.41030
Type of gen. func.: ogf

```
                                       1
                     --------------------------------------
                     (x - 1) (9 x - 1) (8 x - 1) (10 x - 1)
```

Sequence: A024772
Score: 3.23299
Type of gen. func.: ogf

```
(2764477563910214555523 f(x) + 1612960420844906496)

               4              3             2
    (792 f(x) x  - 1051 f(x) x  + 287 f(x) x  - 29 f(x) x + f(x) - 1)
```

Sequence: A024772
Score: 8.45318
Type of gen. func.: lgdogf

```
                                3         2
                          3168 x  - 3153 x  + 574 x - 29
                    - --------------------------------------
                      (x - 1) (9 x - 1) (11 x - 1) (8 x - 1)
```

Sequence: A024772
Score: 9.24521
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (9 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A024778
Score: 3.22526
Type of gen. func.: ogf

$$(2813780306719 f(x) + 15006560256)$$

$$(864 f(x) x^4 - 1140 f(x) x^3 + 305 f(x) x^2 - 30 f(x) x + f(x) - 1)$$

Sequence: A024778
Score: 7.34956
Type of gen. func.: lgdogf

$$- \frac{2 (1728 x^3 - 1710 x^2 + 305 x - 15)}{(x - 1) (8 x - 1) (12 x - 1) (9 x - 1)}$$

Sequence: A024778
Score: 8.31777
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (8 x - 1) (12 x - 1) (9 x - 1)}$$

Sequence: A024786
Score: 18.2720
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^2 + x + 1}{x - 1}$$

Sequence: A024787
Score: 17.7759
Type of gen. func.: ogf_with_Euler_transform]

3   2

$$-\frac{-x + x + 1}{x - 1}$$

Sequence: A024788
Score: 17.0649
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{4} + x^{3} + 1}{x - 1}$$

Sequence: A024789
Score: 16.4329
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{5} + x^{4} + 1}{x - 1}$$

Sequence: A024790
Score: 17.0851
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{6} + x^{5} + 1}{x - 1}$$

Sequence: A024812
Score: 11.7204
Type of gen. func.: ogf

$$\frac{x^{15} - x^{14} + 3 x^{2} + 2 x + 2}{(x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A024812
Score: 9.09154
Type of gen. func.: lgdogf

17 16 14 13 4 3 2

$$\frac{11 x - 11 x - 14 x + 14 x - 6 x - 9 x - 13 x - 10 x - 4}{(x - 1) (x^{15} - x^{14} + 3 x^2 + 2 x + 2) (x^2 + x + 1)}$$

Sequence: A024813
Score: 10.5313
Type of gen. func.: ogf

$$\frac{2 x^{15} - 2 x^{14} - x^3 + 5 x^2 + 3 x + 4}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A024813
Score: 7.96207
Type of gen. func.: lgdogf

$$\frac{22 x^{17} - 22 x^{16} - 28 x^{14} + 28 x^{13} + x^5 - 9 x^4 - 13 x^3 - 21 x^2 - 17 x - 7}{(x - 1) (x^2 + x + 1) (2 x^{15} - 2 x^{14} - x^3 + 5 x^2 + 3 x + 4)}$$

Sequence: A024814
Score: 12.6343
Type of gen. func.: ogf

$$\frac{x (333 x^{17} + 9 x^2 + 12 x + 1)}{(x - 1)^2}$$

Sequence: A024814
Score: 14.3349
Type of gen. func.: lgdogf

$$\frac{4995 x^{17} - 5661 x^{16} - 30 x - 14}{(x - 1) (333 x^{17} + 9 x^2 + 12 x + 1)}$$

Sequence: A024817
Score: 6.46973

Type of gen. func.: ogf

$$\frac{x^7 - 2 x^6 + 10 x^4 + 10 x^3 + 6 x^2 + 13 x + 7}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^4}$$

Sequence: A024831
Score: 5.62538
Type of gen. func.: ogf

$$\frac{x^6 + 3 x^5 + 2 x^4 - 8 x^3 - 4 x^2 + 3 x + 2}{(x - 1) (x^2 + x - 1)}$$

Sequence: A024851
Score: 2.75006
Type of gen. func.: ogf

$$(5 f(x) + 2) (f(x) x^3 - 4 f(x) x^2 + 4 f(x) x - f(x) - 3 x + 2)$$

Sequence: A024851
Score: 4.75766
Type of gen. func.: ogf

$$\frac{3 x - 2}{(x - 1) (x^2 - 3 x + 1)}$$

Sequence: A024853
Score: 23.3378
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^2 + 11 x + 2)}{(x - 1) (x + 3) (x + 1)}$$

Sequence: A024853
Score: 4.16154
Type of gen. func.: ogf

$$\{(-3 n - 12) a(n + 4) + (1 - n) a(n + 3) + (28 + 3 n) a(n + 2) + (7 + n) a(n + 1), a(0) = 3, a(1) = 4, a(2) = 13, a(3) = 16\}$$

Sequence: A024853
Score: 9.79186
Type of gen. func.: ogf

$$\frac{x + 3}{(x + 1)^3 (x - 1)^4}$$

Sequence: A024854
Score: 19.1937
Type of gen. func.: lgdogf

$$-\frac{5 x^3 - 5 x^2 - 27 x - 5}{(x - 1) (x + 1) (x^2 - x - 4)}$$

Sequence: A024854
Score: 9.24830
Type of gen. func.: ogf

$$-\frac{x^2 - x - 4}{(x + 1)^3 (x - 1)^4}$$

Sequence: A024857
Score: 4.37297
Type of gen. func.: ogf

$$-\frac{x^5 + 2 x^2 + x + 1}{(x^2 + x - 1) (x^4 + x^2 - 1)^2}$$

Sequence: A024857
Score: 5.06971

Type of gen. func.: lgdogf

$$-(5x^{10}+4x^{9}-2x^{8}+16x^{7}+27x^{6}+18x^{5}+8x^{4}-2x^{3}+3x^{2}-10x-2) \Big/ \left((x^{2}+x-1)(x^{4}+x^{2}-1)(x^{5}+2x^{2}+x+1)\right)$$

Sequence: A024858
Score: 3.61380
Type of gen. func.: ogf

$$\frac{x^{5}-2x^{4}-4x^{3}-2x^{2}-x-3}{(x^{2}+x-1)(x^{4}+x^{2}-1)}$$

Sequence: A024861
Score: 4.02066
Type of gen. func.: ogf

$$-\frac{x^{4}+2x^{3}+2x^{2}+x+2}{(x^{2}+x-1)(x^{4}+x^{2}-1)}$$

Sequence: A024862
Score: 17.2864
Type of gen. func.: lgdogf

$$-\frac{15x^{3}+15x^{2}+29x+5}{(x-1)(x+1)(3x^{2}+2x+3)}$$

Sequence: A024862
Score: 5.04347
Type of gen. func.: ogf

$$\{(2n^{2}+23n+66)\,a(n+1)+(2n+9)\,a(n+2)$$
$$+(-2n^{2}-13n-21)\,a(n+3),\ a(0)=3,\ a(1)=5,\ a(2)=17\}$$

Sequence: A024862
Score: 9.27348
Type of gen. func.: ogf

$$\frac{3 x^2 + 2 x + 3}{(x + 1)^3 (x - 1)^4}$$

Sequence: A024868
Score: 12.6484
Type of gen. func.: lgdogf

$$- \frac{3 x^5 - 3 x^4 - 17 x^3 + 5 x^2 + 36 x + 8}{(x - 1) (x + 1) (x^4 - x^3 - 4 x^2 + 2 x + 6)}$$

Sequence: A024868
Score: 8.03358
Type of gen. func.: ogf

$$\frac{x^4 - x^3 - 4 x^2 + 2 x + 6}{(x + 1)^3 (x - 1)^4}$$

Sequence: A024869
Score: 12.4106
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^5 - x^4 - 14 x^3 + x^2 + 22 x + 5)}{(x - 1) (x + 1) (2 x^4 - x^3 - 7 x^2 + 2 x + 8)}$$

Sequence: A024869
Score: 7.88446
Type of gen. func.: ogf

$$\frac{2 x^4 - x^3 - 7 x^2 + 2 x + 8}{}$$

$$(x+1)^3 (x-1)^4$$

Sequence: A024872
Score: 5.06604
Type of gen. func.: ogf

$$\frac{(x+1)(x^5 - x^4 + 3x^3 - 2x^2 - 2)}{(x^2 + x - 1)(x^4 + x^2 - 1)}$$

Sequence: A024872
Score: 5.50994
Type of gen. func.: lgdogf

$$-(4x^{11} + 3x^{10} + 10x^9 + 16x^8 - 8x^7 - 27x^6 - 32x^5 - 14x^4 - 6x^3 - 7x^2 + 16x + 4) \Big/ ((x+1)(x^2 + x - 1)(x^4 + x^2 - 1)(x^5 - x^4 + 3x^3 - 2x^2 - 2))$$

Sequence: A024873
Score: 5.30932
Type of gen. func.: ogf

$$\frac{2x^7 + x^6 + 4x^5 + 2x^4 - 5x^3 - 2x - 6}{(x^2 + x - 1)(x^4 + x^2 - 1)}$$

Sequence: A024874
Score: 4.97299
Type of gen. func.: ogf

$$\frac{x^7 + x^6 + 2x^5 + 2x^4 - 2x^3 - x^2 - 2x - 4}{(x^2 + x - 1)(x^4 + x^2 - 1)}$$

Sequence: A024875
Score: 11.5090
Type of gen. func.: lgdogf

$$-\frac{12 x^5 - 4 x^4 - 51 x^3 - x^2 + 61 x + 15}{(x - 1) (x + 1) (4 x^4 - 2 x^3 - 13 x^2 + 3 x + 12)}$$

Sequence: A024875
Score: 7.81215
Type of gen. func.: ogf

$$\frac{4 x^4 - 2 x^3 - 13 x^2 + 3 x + 12}{(x + 1)^3 (x - 1)^4}$$

Sequence: A024876
Score: 4.65008
Type of gen. func.: ogf

$$-(2979 f(x) + 1942)$$

$$(f(x) x^4 + f(x) x^3 + f(x) x^2 + 4 x^3 - 3 f(x) x + 3 x^2 + f(x) + 2 x - 3)$$

Sequence: A024876
Score: 8.27275
Type of gen. func.: lgdogf

$$-\frac{4 x^6 + 6 x^5 + 5 x^4 + 16 x^3 - 10 x^2 - 12 x + 7}{(4 x^3 + 3 x^2 + 2 x - 3) (x^4 + x^3 + x^2 - 3 x + 1)}$$

Sequence: A024876
Score: 8.87743
Type of gen. func.: ogf

$$-\frac{4 x^3 + 3 x^2 + 2 x - 3}{x^4 + x^3 + x^2 - 3 x + 1}$$

Sequence: A024926
Score: 12.1336
Type of gen. func.: lgdogf

$$\frac{28 x^{30} - 30 x^{29} + 9 x^{11} - 11 x^{10} + 2 x^{4} - 4 x^{3} + x - 3}{(x - 1) (x^{30} + x^{11} + x^{4} - x + 2)}$$

Sequence: A024926
Score: 13.0523
Type of gen. func.: ogf

$$\frac{x^{30} + x^{11} + x^{4} - x + 2}{(x - 1)^{2}}$$

Sequence: A024966
Score: 16.6504
Type of gen. func.: ogf

$$- \frac{7 x}{(x - 1)^{3}}$$

Sequence: A024966
Score: 6.68991
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 7, a(2) = 21\}$$

Sequence: A024966
Score: 9.73077
Type of gen. func.: ogf

$$f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x - f(x) + 7 x$$

Sequence: A024966

Score: 92.2396
Type of gen. func.: lgdogf

$$-\frac{3}{x-1}$$

Sequence: A024998
Score: 3.85933
Type of gen. func.: ogf

$$-3 f(x)^2 x^4 - 2 f(x)^2 x^3 - 3 f(x) x^4 + f(x)^2 x^2 + 4 f(x) x^3 - x^4 + 2 f(x) x^2 + 4 x^3 - 4 f(x) x - 6 x^2 + f(x) + 4 x - 1$$

Sequence: A024999
Score: 3.3891
Type of gen. func.: ogf

$$(1486583556163765633 f(x) + 7774348937344000) (880 f(x) x^4 - 1158 f(x) x^3 + 307 f(x) x^2 - 30 f(x) x + f(x) - 1)$$

Sequence: A024999
Score: 8.18975
Type of gen. func.: lgdogf

$$-\frac{2 (1760 x^3 - 1737 x^2 + 307 x - 15)}{(x - 1) (10 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A024999
Score: 9.39433
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (10 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A025007
Score: 3.17654
Type of gen. func.: ogf

$(496371086567113 f(x) + 2372715072000)$

$(960 f(x) x^4 - 1256 f(x) x^3 + 326 f(x) x^2 - 31 f(x) x + f(x) - 1)$

Sequence: A025007
Score: 7.55754
Type of gen. func.: lgdogf

$$- \frac{3840 x^3 - 3768 x^2 + 652 x - 31}{(x - 1) (12 x - 1) (10 x - 1) (8 x - 1)}$$

Sequence: A025007
Score: 8.41505
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (12 x - 1) (10 x - 1) (8 x - 1)}$$

Sequence: A025008
Score: 3.07281
Type of gen. func.: ogf

$(122574598157664451 f(x) + 530819955376128)$

$(1056 f(x) x^4 - 1372 f(x) x^3 + 347 f(x) x^2 - 32 f(x) x + f(x) - 1)$

Sequence: A025008
Score: 7.36469
Type of gen. func.: lgdogf

$$- \frac{2 (2112 x^3 - 2058 x^2 + 347 x - 16)}{(x - 1) (12 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A025008
Score: 8.31778
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (12 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A025009
Score: 2.90784
Type of gen. func.: ogf

$(1281589323667382697689 f(x) + 5927097965593464000)$

$$(990 f(x) x^4 - 1289 f(x) x^3 + 329 f(x) x^2 - 31 f(x) x + f(x) - 1)$$

Sequence: A025009
Score: 7.51282
Type of gen. func.: lgdogf

$$- \frac{3960 x^3 - 3867 x^2 + 658 x - 31}{(x - 1) (9 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A025009
Score: 8.36640
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (9 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A025030
Score: 4.78375
Type of gen. func.: ogf

$$- \frac{x^6 - x^5 - 5 x^4 + 4 x^3 + 6 x^2 - 3 x - 1}{(x - 1) (x^2 - x - 1) (x^4 + x^3 - 4 x^2 - 4 x + 1)}$$

Sequence: A025031
Score: 3.13267
Type of gen. func.: ogf

$(8348452022148317 f(x) + 35289323136000)$

$$(1080 f(x) x^4 - 1398 f(x) x^3 + 349 f(x) x^2 - 32 f(x) x + f(x) - 1)$$

Sequence: A025031
Score: 7.36469
Type of gen. func.: lgdogf

$$-\frac{2 (2160 x^3 - 2097 x^2 + 349 x - 16)}{(x - 1) (9 x - 1) (12 x - 1) (10 x - 1)}$$

Sequence: A025031
Score: 8.31778
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (9 x - 1) (12 x - 1) (10 x - 1)}$$

Sequence: A025035
Score: 6.81831
Type of gen. func.: ogf

$$\{(9 n^2 + 27 n + 20) a(n + 1) - 2 a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A025036
Score: 3.89526
Type of gen. func.: ogf

$$\{(-32 n^3 - 144 n^2 - 214 n - 105) a(n + 1) + 3 a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A025065
Score: 21.8967
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^2 - x - 1}{-x^2 + 1}$$

Sequence: A025078
Score: 7.54566
Type of gen. func.: ogf

$$\frac{x^3 - x - 1}{(x^2 + 1)\,(x^2 - x - 1)\,(x^2 + x - 1)^2}$$

Sequence: A025078
Score: 7.72629
Type of gen. func.: lgdogf

$$-\frac{(x + 1)\,(5\,x^7 - 6\,x^6 - 4\,x^5 - 5\,x^4 + 12\,x^3 - 2\,x^2 + 6\,x + 2)}{(x^2 + 1)\,(x^2 + x - 1)\,(x^2 - x - 1)\,(x^3 - x - 1)}$$

Sequence: A025079
Score: 4.76429
Type of gen. func.: ogf

$$-\frac{x^3 - 2\,x^2 + x + 3}{(x^2 + 1)\,(x^2 - x - 1)\,(x^2 + x - 1)^2}$$

Sequence: A025082
Score: 5.41034
Type of gen. func.: ogf

$$\frac{(x + 1)\,(-2 + x)}{(x^2 + 1)\,(x^2 - x - 1)\,(x^2 + x - 1)^2}$$

Sequence: A025082
Score: 5.63027
Type of gen. func.: lgdogf

$$-\frac{6\,x^7 - 8\,x^6 - 20\,x^5 + 7\,x^4 + 17\,x^3 + 8\,x^2 + 13\,x + 3}{(-2 + x)\,(x + 1)\,(x^2 + 1)\,(x^2 + x - 1)\,(x^2 - x - 1)}$$

Sequence: A025083
Score: 5.81708
Type of gen. func.: ogf

$$-\frac{3x^5 - x^4 + x^3 + x^2 + x - 3}{(x-1)^2\,(x^4 + x^2 - 1)^2}$$

Sequence: A025083
Score: 7.72452
Type of gen. func.: lgdogf

$$-\frac{15x^9 - 15x^8 + 14x^7 + 4x^6 + 15x^5 - 51x^4 + 32x^3 - 24x^2 + 9x + 5}{(x-1)\,(x^4 + x^2 - 1)\,(3x^5 - x^4 + x^3 + x^2 + x - 3)}$$

Sequence: A025089
Score: 4.00997
Type of gen. func.: ogf

$$\frac{4x^5 + 2x^4 - 7x^3 - 6x^2 - x - 3}{(x^2 + 1)\,(x^2 - x - 1)\,(x^2 + x - 1)^2}$$

Sequence: A025092
Score: 3.92643
Type of gen. func.: ogf

$$\frac{2x^5 + 2x^4 - 4x^3 - 5x^2 - x - 2}{(x^2 + 1)\,(x^2 - x - 1)\,(x^2 + x - 1)^2}$$

Sequence: A025105
Score: 4.14092
Type of gen. func.: ogf

5   4   3   2

$$\frac{x + x - 2 x - 2 x - x - 2}{(x^2 + 1) (x^2 - x - 1) (x^2 + x - 1)}$$

Sequence: A025106
Score: 5.19430
Type of gen. func.: ogf

$$- \frac{x^7 + x^6 + 2 x^5 + 2 x^4 + 4 x^3 - 4 x^2 + x - 3}{(x - 1)^2 (x^4 + x^2 - 1)}$$

Sequence: A025106
Score: 6.05898
Type of gen. func.: lgdogf

$$- (3 x^{11} + 3 x^{10} + 7 x^9 + 9 x^8 + 29 x^7 - 49 x^6 + 45 x^5 - 63 x^4 + 33 x^3 - 33 x^2 + 19 x + 5) \Big/ ((x - 1) (x^4 + x^2 - 1) (x^7 + x^6 + 2 x^5 + 2 x^4 + 4 x^3 - 4 x^2 + x - 3))$$

Sequence: A025112
Score: 11.6881
Type of gen. func.: lgdogf

$$- \frac{3 x^5 + 9 x^4 + 46 x^3 + 26 x^2 + 39 x + 5}{(x - 1) (x + 1) (x^4 + 2 x^3 + 8 x^2 + 2 x + 3)}$$

Sequence: A025112
Score: 7.75302
Type of gen. func.: ogf

$$\frac{x^4 + 2 x^3 + 8 x^2 + 2 x + 3}{(x + 1)^3 (x - 1)^4}$$

Sequence: A025130
Score: 3.05159
Type of gen. func.: ogf

$$(2061578836411777373 f(x) + 7894422629026560)$$

$$(1188 f(x) x^4 - 1527 f(x) x^3 + 371 f(x) x^2 - 33 f(x) x + f(x) - 1)$$

Sequence: A025130
Score: 7.64698
Type of gen. func.: lgdogf

$$- \frac{4752 x^3 - 4581 x^2 + 742 x - 33}{(x - 1) (9 x - 1) (12 x - 1) (11 x - 1)}$$

Sequence: A025130
Score: 8.36557
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (9 x - 1) (12 x - 1) (11 x - 1)}$$

Sequence: A025147
Score: 16.6948
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^3 - x^2 - x}{-x^2 + 1}$$

Sequence: A025148
Score: 15.4338
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^5 + x^3 + x^2}{x^2 - 1}$$

Sequence: A025149
Score: 15.7600
Type of gen. func.: ogf_with_Euler_transform]

```
                          7    4    3
                        -x  + x  + x
                      - -------------
                              2
                             x  - 1
```

Sequence: A025150
Score: 15.7296
Type of gen. func.: ogf_with_Euler_transform]

```
                          9    5    4
                         x  - x  - x
                       - ------------
                               2
                             -x  + 1
```

Sequence: A025151
Score: 15.4958
Type of gen. func.: ogf_with_Euler_transform]

```
                          11    6    5
                        -x   + x  + x
                      - --------------
                               2
                              x  - 1
```

Sequence: A025152
Score: 15.3825
Type of gen. func.: ogf_with_Euler_transform]

```
                         13    7    6
                        x   - x  - x
                      - -------------
                               2
                             -x  + 1
```

Sequence: A025153
Score: 15.4108
Type of gen. func.: ogf_with_Euler_transform]

```
                          15    8    7
                        -x   + x  + x
                      - --------------
                               2
```

$$x - 1$$

Sequence: A025154
Score: 15.5837
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{17} - x^{9} - x^{8}}{-x^{2} + 1}$$

Sequence: A025155
Score: 15.0746
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{19} + x^{10} + x^{9}}{x^{2} - 1}$$

Sequence: A025163
Score: 10.6529
Type of gen. func.: lgdogf

$$-\frac{6 (4 x - 1)}{8 x^{2} - 4 x + 1}$$

Sequence: A025164
Score: 6.29545
Type of gen. func.: ogf

$$\{-a(n + 1) + (-2 n - 5) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 1, a(2) = 4\}$$

Sequence: A025166
Score: 34.6874
Type of gen. func.: lgdegf]

$$-\frac{4 x - 1}{(2 x - 1)^{2}}$$

Sequence: A025166
Score: 4.49360
Type of gen. func.: ogf

$$\{(4 n^2 + 16 n + 16) a(n + 1) + (-4 n - 9) a(n + 2) + a(n + 3), a(0) = -1, a(1) = -1, a(2) = -1\}$$

Sequence: A025167
Score: 29.9686
Type of gen. func.: lgdegf]

$$-\frac{4 x - 3}{(2 x - 1)^2}$$

Sequence: A025167
Score: 3.97921
Type of gen. func.: ogf

$$\{(-4 n^2 - 16 n - 16) a(n + 1) + (4 n + 11) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 3, a(2) = 17\}$$

Sequence: A025168
Score: 32.9530
Type of gen. func.: lgdegf]

$$1 + (-4 x^2 + 4 x - 1) f(x)$$

Sequence: A025168
Score: 5.96608
Type of gen. func.: ogf

$$\{(4 n^2 + 4 n) a(n) + (-4 n - 5) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A025169

Score: 15.7557
Type of gen. func.: revogf

$$-\frac{-3x-2+(5x+2)^{1/2}(x+2)^{1/2}}{2x}$$

Sequence: A025169
Score: 19.9748
Type of gen. func.: ogf

$$\frac{2}{x^2-3x+1}$$

Sequence: A025169
Score: 30.7612
Type of gen. func.: lgdogf

$$-\frac{2x-3}{x^2-3x+1}$$

Sequence: A025169
Score: 7.94178
Type of gen. func.: ogf

$$(55 f(x) + 52) (f(x) x^2 - 3 f(x) x + f(x) - 2)$$

Sequence: A025169
Score: 8.03863
Type of gen. func.: ogf

$$\{-a(n+2) + 3 a(n+1) - a(n), a(0) = 2, a(1) = 6\}$$

Sequence: A025170
Score: 22.1137
Type of gen. func.: ogf

$$\frac{1}{\quad}$$

$$9 x^2 + 2 x + 1$$

Sequence: A025170
Score: 31.9336
Type of gen. func.: lgdogf

$$-\frac{2 (1 + 9 x)}{9 x^2 + 2 x + 1}$$

Sequence: A025170
Score: 8.38796
Type of gen. func.: ogf

$$-(11 f(x) - 27) (9 f(x) x^2 + 2 f(x) x + f(x) - 1)$$

Sequence: A025170
Score: 8.89941
Type of gen. func.: ogf

$$\{-a(n + 2) - 2 a(n + 1) - 9 a(n), a(0) = 1, a(1) = -2\}$$

Sequence: A025171
Score: 20.5440
Type of gen. func.: ogf

$$\frac{1}{16 x^2 + 2 x + 1}$$

Sequence: A025171
Score: 21.0428
Type of gen. func.: lgdogf

$$-\frac{2 (1 + 16 x)}{16 x^2 + 2 x + 1}$$

Sequence: A025171
Score: 8.12205
Type of gen. func.: ogf

$$-(5 f(x) - 4) (16 f(x) x^2 + 2 f(x) x + f(x) - 1)$$

Sequence: A025171
Score: 8.41563
Type of gen. func.: ogf

$$\{-a(n + 2) - 2 a(n + 1) - 16 a(n), a(0) = 1, a(1) = -2\}$$

Sequence: A025172
Score: 14.9411
Type of gen. func.: ogf

$$- \frac{x - 1}{9 x^2 - 2 x + 1}$$

Sequence: A025172
Score: 20.0575
Type of gen. func.: lgdogf

$$- \frac{9 x^2 - 18 x + 1}{(x - 1) (9 x^2 - 2 x + 1)}$$

Sequence: A025172
Score: 7.72817
Type of gen. func.: ogf

$$(40 f(x) - 39) (9 f(x) x^2 - 2 f(x) x + f(x) + x - 1)$$

Sequence: A025172
Score: 8.19940
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + 9 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A025173
Score: 10.0139
Type of gen. func.: ogf

$$-\frac{x (9 x - 1)}{(9 x^2 - 2 x + 1)^2}$$

Sequence: A025173
Score: 18.0010
Type of gen. func.: lgdogf

$$-\frac{243 x^2 - 54 x - 5}{(9 x - 1) (9 x^2 - 2 x + 1)}$$

Sequence: A025173
Score: 3.35440
Type of gen. func.: ogf

$$\{(-3 - n) a(n + 4) + (17 + 11 n) a(n + 3) + (-81 - 27 n) a(n + 2)$$

$$+ (243 + 81 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = -5, a(3) = -42\}$$

Sequence: A025173
Score: 4.93436
Type of gen. func.: ogf

$$(295424 f(x) + 331767)$$

$$(81 f(x) x^4 - 36 f(x) x^3 + 22 f(x) x^2 - 4 f(x) x + 9 x^2 + f(x) - x)$$

Sequence: A025174
Score: 26.3858
Type of gen. func.: revogf

$$\frac{x (2 x + 1)^2}{(3 x + 1)^3}$$

Sequence: A025174
Score: 4.98439
Type of gen. func.: ogf

$$\{(27 n^2 + 27 n + 6) a(n) + (-4 n^2 - 6 n - 2) a(n + 1), a(0) = 0, a(1) = 1\}$$

Sequence: A025174
Score: 5.26389
Type of gen. func.: ogf

$$27 f(x)^3 x - 4 f(x)^3 + 27 f(x)^2 x - 4 f(x)^2 + 9 f(x) x - f(x) + x$$

Sequence: A025175
Score: 10.0896
Type of gen. func.: lgdogf

$$\frac{-32 x^2 + 6 x - 1 + (16 x^2 - 4 x + 1)^{1/2}}{(16 x^2 - 4 x + 1) x}$$

Sequence: A025175
Score: 4.45004
Type of gen. func.: ogf

$$48 f(x)^2 x^4 - 12 f(x)^2 x^3 + 3 f(x)^2 x^2 - 16 f(x) x^2 + 4 f(x) x - f(x) + 1$$

Sequence: A025178
Score: 3.93463
Type of gen. func.: ogf

$$\{(3 n^2 + 15 n + 18) a(n + 1) + (2 n^2 + 11 n + 15) a(n + 2)$$

$$+ (-n^2 - 6 n - 8) a(n + 3), a(0) = 0, a(1) = 2, a(2) = 4\}$$

Sequence: A025178
Score: 6.1631
Type of gen. func.: ogf

$$-3 f(x)^2 x^3 - 2 f(x)^2 x^2 + f(x)^2 x - 6 f(x) x^2 - 4 f(x) x + 2 f(x) - 4 x$$

Sequence: A025190
Score: 3.0122
Type of gen. func.: ogf

$$(72735461989712020381 f(x) + 249597929984832000)$$

$$(1320 f(x) x^4 - 1682 f(x) x^3 + 395 f(x) x^2 - 34 f(x) x + f(x) - 1)$$

Sequence: A025190
Score: 7.33670
Type of gen. func.: lgdogf

$$-\frac{2 (2640 x^3 - 2523 x^2 + 395 x - 17)}{(x - 1) (12 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A025190
Score: 8.41338
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (12 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A025192
Score: 15.1608
Type of gen. func.: ogf

$$-3 f(x) x + f(x) + x - 1$$

Sequence: A025192
Score: 18.4389
Type of gen. func.: ogf

$$\frac{x - 1}{}$$

$$-1 + 3 x$$

Sequence: A025192
Score: 20.2744
Type of gen. func.: revogf

$$\frac{1}{2} + \frac{3 x}{2} - \frac{(9 x^{2} + 2 x + 1)^{1/2}}{2}$$

Sequence: A025192
Score: 44.6037
Type of gen. func.: lgdogf

$$\frac{2}{(x - 1) (-1 + 3 x)}$$

Sequence: A025192
Score: 9.47554
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 2\}$$

Sequence: A025211
Score: 12.1307
Type of gen. func.: lgdogf

$$- \frac{2 (240 x^{3} - 231 x^{2} + 71 x - 7)}{(4 x - 1) (-1 + 3 x) (2 x - 1) (5 x - 1)}$$

Sequence: A025211
Score: 13.6821
Type of gen. func.: ogf

$$\frac{1}{(4 x - 1) (-1 + 3 x) (2 x - 1) (5 x - 1)}$$

Sequence: A025211
Score: 5.26237
Type of gen. func.: ogf

$$(27931366199 f(x) + 13769568000)$$

$$(120 f(x) x^4 - 154 f(x) x^3 + 71 f(x) x^2 - 14 f(x) x + f(x) - 1)$$

Sequence: A025225
Score: 17.9717
Type of gen. func.: ogf

$$-2 + f(x) - f(x)^2 x$$

Sequence: A025225
Score: 21.9484
Type of gen. func.: lgdogf

$$\frac{4}{(1 - 8 x)^{1/2} (1 + (1 - 8 x)^{1/2})}$$

Sequence: A025225
Score: 60.3582
Type of gen. func.: revogf

$$- \frac{x (x - 1)}{2}$$

Sequence: A025225
Score: 7.01752
Type of gen. func.: ogf

$$\{(-8 n - 12) a(n + 1) + (n + 3) a(n + 2), a(0) = 2, a(1) = 4\}$$

Sequence: A025226
Score: 10.8491
Type of gen. func.: ogf

$$-3 + f(x) - f(x)^2 x$$

Sequence: A025226
Score: 12.3852
Type of gen. func.: lgdogf

$$\frac{6}{(1 - 12 x)^{1/2} (1 + (1 - 12 x)^{1/2})}$$

Sequence: A025226
Score: 36.1234
Type of gen. func.: revogf

$$- \frac{x (x - 1)}{3}$$

Sequence: A025226
Score: 4.19636
Type of gen. func.: ogf

$$\{(-12 n - 18) a(n + 1) + (n + 3) a(n + 2), a(0) = 3, a(1) = 9\}$$

Sequence: A025227
Score: 16.3327
Type of gen. func.: ogf

$$-x^2 - x + f(x) - f(x)^2$$

Sequence: A025227
Score: 25.8959
Type of gen. func.: revogf

$$- 1/2 + \frac{(-4 x^2 + 4 x + 1)^{1/2}}{2}$$

Sequence: A025227
Score: 3.62055

Type of gen. func.: ogf

$$\{(8 n^2 - 8 n) a(n) + (12 n^2 + 12 n) a(n + 1) + (2 n^2 + 10 n + 12) a(n + 2) + (-n^2 - 5 n - 6) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A025228
Score: 15.1134
Type of gen. func.: ogf

$$3 x - 2 + f(x) - f(x)^2 x$$

Sequence: A025228
Score: 24.7182
Type of gen. func.: revogf

$$1/3 - \frac{(3 x^2 - 3 x + 1)^{1/2}}{3}$$

Sequence: A025228
Score: 9.01879
Type of gen. func.: lgdogf

$$\frac{-3 x + 1 + (2 x - 1)^{1/2} (6 x - 1)^{1/2}}{(6 x - 1)^{1/2} (2 x - 1)^{1/2} (3 x - 2) x}$$

Sequence: A025229
Score: 14.619
Type of gen. func.: ogf

$$-2 x - 1 + f(x) - f(x)^2 x$$

Sequence: A025229
Score: 23.0409
Type of gen. func.: revogf

$$- 1/4 + \frac{(-8 x^2 + 8 x + 1)^{1/2}}{4}$$

Sequence: A025229
Score: 3.24067
Type of gen. func.: ogf

$$\{(-32 n^2 - 32 n) a(n) + (-24 n^2 - 72 n - 48) a(n + 1) + (-18 - 6 n) a(n + 2) + (n^2 + 7 n + 12) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 6\}$$

Sequence: A025230
Score: 12.99
Type of gen. func.: ogf

$$8 x - 3 + f(x) - f(x)^2 x$$

Sequence: A025230
Score: 18.4635
Type of gen. func.: revogf

$$3/16 - \frac{(32 x^2 - 32 x + 9)^{1/2}}{16}$$

Sequence: A025230
Score: 6.89602
Type of gen. func.: lgdogf

$$\frac{-16 x + 3 + 3 (-1 + 4 x)^{1/2} (8 x - 1)^{1/2}}{2 (8 x - 1)^{1/2} (-1 + 4 x)^{1/2} x (8 x - 3)}$$

Sequence: A025231
Score: 10.6271
Type of gen. func.: lgdogf

$$2 \qquad 1/2$$

$$\frac{x - 1 + (4 x - 8 x + 1)}{(x - 2) x (4 x^{2} - 8 x + 1)^{1/2}}$$

Sequence: A025231
Score: 12.787
Type of gen. func.: ogf

$$x - 2 + f(x) - f(x)^{2} x$$

Sequence: A025231
Score: 33.1315
Type of gen. func.: revogf

$$1 - (x^{2} - x + 1)^{1/2}$$

Sequence: A025232
Score: 11.058
Type of gen. func.: ogf

$$7 x - 3 + f(x) - f(x)^{2} x$$

Sequence: A025232
Score: 15.6720
Type of gen. func.: revogf

$$3/14 - \frac{(28 x^{2} - 28 x + 9)^{1/2}}{14}$$

Sequence: A025232
Score: 7.14460
Type of gen. func.: lgdogf

$$\frac{14 x - 3 + 3 (28 x^{2} - 12 x + 1)^{1/2}}{2 (7 x - 3) x (28 x^{2} - 12 x + 1)^{1/2}}$$

Sequence: A025233
Score: 18.1325
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{48}{-x^2 + 1}$$

Sequence: A025234
Score: 10.5696
Type of gen. func.: lgdogf

$$-\frac{x (x + 2) (3 x^4 - 2 x^3 - 5 x^2 + 2 x + 4)}{(x + 1) (x^2 + x - 1) (x^4 - x^3 - 3 x^2 - 2 x + 1)}$$

Sequence: A025234
Score: 11.1755
Type of gen. func.: ogf

$$-\frac{x^2 + x - 1}{(x + 1) (x^4 - x^3 - 3 x^2 - 2 x + 1)}$$

Sequence: A025235
Score: 12.5946
Type of gen. func.: ogf

$$-2 f(x)^2 x^2 - f(x) x + f(x) - 1$$

Sequence: A025235
Score: 4.92107
Type of gen. func.: ogf

$\{(-7 n - 14) a(n + 1) + (-2 n - 7) a(n + 2) + (n + 5) a(n + 3), a(0) = 1,$

$a(1) = 1, a(2) = 3\}$

Sequence: A025235
Score: 56.1348
Type of gen. func.: revogf

$$\frac{x}{2 x^2 + x + 1}$$

Sequence: A025236
Score: 3.30984
Type of gen. func.: ogf

$$f(x)^2 x - f(x) x - f(x) + 3 x + 1$$

Sequence: A025237
Score: 15.1814
Type of gen. func.: ogf

$$3 f(x)^2 x^2 + f(x) x - f(x) + 1$$

Sequence: A025237
Score: 5.89278
Type of gen. func.: ogf

$\{(11 n + 22) a(n + 1) + (2 n + 7) a(n + 2) + (-n - 5) a(n + 3), a(0) = 1,$

$a(1) = 1, a(2) = 4\}$

Sequence: A025237
Score: 67.8640
Type of gen. func.: revogf

$$\frac{x}{3 x^2 + x + 1}$$

Sequence: A025238
Score: 10.6785
Type of gen. func.: ogf

$$-f(x)^2 x + 3 f(x) x + f(x) - x - 3$$

Sequence: A025238
Score: 18.3297
Type of gen. func.: revogf

$$- 3/2 + \frac{3 x}{2} + \frac{((x - 1) (5 x - 9))^{1/2}}{2}$$

Sequence: A025238
Score: 8.79827
Type of gen. func.: lgdogf

$$- \frac{-7 x + 3 + 3 (5 x - 1)^{1/2} (x - 1)^{1/2}}{2 (x - 1)^{1/2} (x + 3) (5 x - 1)^{1/2} x}$$

Sequence: A025239
Score: 10.4422
Type of gen. func.: ogf

$$-f(x)^2 x + 2 f(x) x + f(x) - 3 x - 2$$

Sequence: A025239
Score: 17.4363
Type of gen. func.: revogf

$$- 1/3 + x/3 + \frac{(-(2 x + 1) (x - 1))^{1/2}}{3}$$

Sequence: A025240
Score: 10.7448
Type of gen. func.: ogf

$$-f(x)^2 x + 3 f(x) x + f(x) - 2 x - 3$$

Sequence: A025240
Score: 11.0702
Type of gen. func.: lgdogf

$$-\frac{5 x - 3 + 3 (x^2 - 6 x + 1)^{1/2}}{2 (2 x + 3) (x^2 - 6 x + 1)^{1/2} x}$$

Sequence: A025240
Score: 18.9775
Type of gen. func.: revogf

$$- 3/4 + \frac{3 x}{4} + \frac{((x - 1) (-9 + x))^{1/2}}{4}$$

Sequence: A025241
Score: 2.4151
Type of gen. func.: ogf

$$-f(x)^2 x + f(x) x^2 + f(x) x - x^2 + f(x) - x - 1$$

Sequence: A025242
Score: 7.79397
Type of gen. func.: ogf

$$-f(x)^2 x + f(x) x^2 + 2 f(x) x - x^2 + f(x) - x - 2$$

Sequence: A025243
Score: 8.41122
Type of gen. func.: ogf

$$f(x)^2 x - 2 f(x) x^2 - f(x) x + x^2 - f(x) + 2 x + 1$$

Sequence: A025244
Score: 8.83957
Type of gen. func.: ogf

$$-f(x)^2 x + f(x) x^2 + f(x) x - 2 x^2 + f(x) - x - 1$$

Sequence: A025245
Score: 6.70312
Type of gen. func.: ogf

$$-2 f(x)^2 x^4 - 4 f(x) x^3 - f(x) x^2 - f(x) x - 2 x^2 + f(x) - x - 1$$

Sequence: A025246
Score: 11.3389
Type of gen. func.: ogf

$$-f(x)^2 x + f(x) x - x^2 + f(x) - 1$$

Sequence: A025247
Score: 11.2245
Type of gen. func.: ogf

$$-f(x)^2 x + 2 f(x) x - x^2 + f(x) - 2$$

Sequence: A025248
Score: 11.4811
Type of gen. func.: ogf

$$-f(x)^2 x + f(x) x - 2 x^2 + f(x) - 1$$

Sequence: A025249
Score: 3.78086
Type of gen. func.: ogf

{(8 n + 28) a(n + 1) + (-n - 5) a(n + 2) + (2 n + 13) a(n + 3)

+ (-n - 8) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 7}

Sequence: A025249

Score: 8.80717
Type of gen. func.: ogf

$$2 f(x)^{2} x^{4} + 4 f(x) x^{3} + f(x) x + 2 x^{2} - f(x) + 1$$

Sequence: A025250
Score: 11.3419
Type of gen. func.: ogf

$$-f(x)^{2} x + f(x) x^{2} - x^{2} + f(x) - x$$

Sequence: A025250
Score: 17.5007
Type of gen. func.: revogf

$$-\frac{-1 - x^{2} + (x^{4} - 2 x^{2} + 4 x + 1)^{1/2}}{2 (x - 1)}$$

Sequence: A025251
Score: 11.4994
Type of gen. func.: ogf

$$f(x)^{2} x - f(x) x^{2} + 2 x^{2} - f(x) + x$$

Sequence: A025251
Score: 17.3475
Type of gen. func.: revogf

$$-\frac{-1 - x^{2} + (x^{4} - 2 x^{2} + 8 x + 1)^{1/2}}{2 (x - 2)}$$

Sequence: A025252
Score: 9.49487
Type of gen. func.: ogf

$$2 f(x)^{2} x^{4} + 4 f(x) x^{3} + f(x) x^{2} + 2 x^{2} - f(x) + x$$

Sequence: A025253
Score: 11.5873
Type of gen. func.: ogf

$$-f(x)^{2} x + 2 f(x) x^{2} - x^{2} + f(x) - 2 x$$

Sequence: A025253
Score: 16.7201
Type of gen. func.: revogf

$$-\frac{-2 - x^{2} + (x^{4} - 4 x^{2} + 4 x + 4)^{1/2}}{2 (-1 + 2 x)}$$

Sequence: A025254
Score: 7.88779
Type of gen. func.: ogf

$$f(x)^{2} x - f(x) x^{2} - 3 f(x) x + x^{2} - f(x) + x + 3$$

Sequence: A025255
Score: 8.44992
Type of gen. func.: ogf

$$f(x)^{2} x - 3 f(x) x^{2} - f(x) x + x^{2} - f(x) + 3 x + 1$$

Sequence: A025256
Score: 8.29281
Type of gen. func.: ogf

$$f(x)^{2} x - f(x) x^{2} - f(x) x + 3 x^{2} - f(x) + x + 1$$

Sequence: A025257
Score: 6.60212
Type of gen. func.: ogf

$$3 f(x)^2 x^4 + 6 f(x) x^3 + f(x) x^2 + f(x) x + 3 x^2 - f(x) + x + 1$$

Sequence: A025258
Score: 8.37251
Type of gen. func.: ogf

$$-f(x)^2 x - f(x) x^2 + f(x) x - x^2 + f(x) + x - 1$$

Sequence: A025259
Score: 8.25546
Type of gen. func.: ogf

$$f(x)^2 x + f(x) x^2 - 2 f(x) x + x^2 - f(x) - x + 2$$

Sequence: A025260
Score: 8.66866
Type of gen. func.: ogf

$$-f(x)^2 x - 2 f(x) x^2 + 2 f(x) x - x^2 + f(x) + 2 x - 2$$

Sequence: A025261
Score: 7.9453
Type of gen. func.: ogf

$$-f(x)^2 x - 2 f(x) x^2 + 3 f(x) x - x^2 + f(x) + 2 x - 3$$

Sequence: A025262
Score: 14.1449
Type of gen. func.: ogf

$$-x^2 + 1 - f(x) + f(x)^2 x$$

Sequence: A025262
Score: 4.25213
Type of gen. func.: ogf

{(4 n + 2) a(n + 1) + (-4 n - 14) a(n + 3) + (n + 5) a(n + 4), a(0) = 1,

a(1) = 1, a(2) = 1, a(3) = 3}

Sequence: A025263
Score: 12.4791
Type of gen. func.: ogf

$$3 x^2 - x - 1 + f(x) - f(x)^2 x$$

Sequence: A025263
Score: 3.34037
Type of gen. func.: ogf

{(-12 n - 6) a(n + 1) + (4 n + 8) a(n + 2) + (4 n + 14) a(n + 3)

+ (-n - 5) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 1, a(3) = 6}

Sequence: A025264
Score: 12.8755
Type of gen. func.: ogf

$$3 x^2 + 3 x - 2 + f(x) - f(x)^2 x$$

Sequence: A025264
Score: 3.41202
Type of gen. func.: ogf

{(-12 n - 6) a(n + 1) + (-12 n - 24) a(n + 2) + (8 n + 28) a(n + 3)

+ (-n - 5) a(n + 4), a(0) = 2, a(1) = 1, a(2) = 1, a(3) = 5}

Sequence: A025265
Score: 14.1895
Type of gen. func.: ogf

$$-x^2 + x - 1 + f(x) - f(x)^2 x$$

Sequence: A025265
Score: 3.83696
Type of gen. func.: ogf

$$\{(-4 n - 2) a(n + 1) + (4 n + 8) a(n + 2) + (-4 n - 14) a(n + 3) + (n + 5) a(n + 4), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 2\}$$

Sequence: A025266
Score: 14.5071
Type of gen. func.: ogf

$$-2 x^2 + 1 - f(x) + f(x)^2 x$$

Sequence: A025266
Score: 4.38797
Type of gen. func.: ogf

$$\{(8 n + 4) a(n + 1) + (-4 n - 14) a(n + 3) + (n + 5) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 0, a(3) = 1\}$$

Sequence: A025267
Score: 14.2499
Type of gen. func.: ogf

$$3 x^2 - 2 x + 1 - f(x) + f(x)^2 x$$

Sequence: A025267
Score: 3.79521
Type of gen. func.: ogf

$$\{(12 n + 6) a(n + 1) + (-8 n - 16) a(n + 2) + (4 n + 14) a(n + 3) + (-n - 5) a(n + 4), a(0) = 1, a(1) = -1, a(2) = 1, a(3) = 3\}$$

Sequence: A025268
Score: 12.2877
Type of gen. func.: ogf

$$2 x^3 + x^2 - 1 + f(x) - f(x)^2 x$$

Sequence: A025269
Score: 11.5369
Type of gen. func.: ogf

$$4 x^3 + 3 x^2 + 3 x - 2 + f(x) - f(x)^2 x$$

Sequence: A025270
Score: 11.7447
Type of gen. func.: ogf

$$-5 x^3 - 3 x^2 + x + 1 - f(x) + f(x)^2 x$$

Sequence: A025271
Score: 14.0089
Type of gen. func.: ogf

$$-4 x^3 + 1 - f(x) + f(x)^2 x$$

Sequence: A025272
Score: 11.8673
Type of gen. func.: ogf

$$x^3 + x^2 - 1 + f(x) - f(x)^2 x$$

Sequence: A025273
Score: 12.3857
Type of gen. func.: ogf

$$x^3 - x^2 + x - 1 + f(x) - f(x)^2 x$$

Sequence: A025274
Score: 12.4711
Type of gen. func.: ogf

$$-3 x^3 - x^2 + 1 - f(x) + f(x)^2 x$$

Sequence: A025275
Score: 11.9087
Type of gen. func.: ogf

$$-2 x^{3} + x^{2} - x + 1 - f(x) + f(x)^{2} x$$

Sequence: A025276
Score: 14.052
Type of gen. func.: ogf

$$-x^{3} + x - 1 + f(x) - f(x)^{2} x$$

Sequence: A025277
Score: 13.0155
Type of gen. func.: ogf

$$-x^{3} - x^{2} + f(x) - f(x)^{2} x$$

Sequence: A025278
Score: 12.2761
Type of gen. func.: ogf

$$2 x^{3} - 3 x^{2} + 2 x - 1 + f(x) - f(x)^{2} x$$

Sequence: A025279
Score: 12.1399
Type of gen. func.: ogf

$$-3 x^{3} + x^{2} + x - 1 + f(x) - f(x)^{2} x$$

Sequence: A025440
Score: 13.2072
Type of gen. func.: ogf

```
                   -----------------------------------------
                   (6 x - 1) (3 x - 1) (-1 + 2 x) (-1 + 4 x)



------------------------------------------------------------------------------

Sequence:  A025440
Score: 5.50299
Type of gen. func.: ogf


(151789 f(x) + 63936)

               4             3            2
    (144 f(x) x  - 180 f(x) x  + 80 f(x) x  - 15 f(x) x + f(x) - 1)



------------------------------------------------------------------------------

Sequence:  A025440
Score: 8.54370
Type of gen. func.: lgdogf


                               3        2
                          576 x  - 540 x  + 160 x - 15
                  - -----------------------------------------
                    (6 x - 1) (3 x - 1) (-1 + 2 x) (-1 + 4 x)



------------------------------------------------------------------------------

Sequence:  A025445
Score: 10.1717
Type of gen. func.: ogf


                                       1
                   -----------------------------------------
                   (-1 + 4 x) (3 x - 1) (-1 + 2 x) (7 x - 1)



------------------------------------------------------------------------------

Sequence:  A025445
Score: 3.8318
Type of gen. func.: ogf


(1760222687179 f(x) + 644186269440)

               4             3            2
    (168 f(x) x  - 206 f(x) x  + 89 f(x) x  - 16 f(x) x + f(x) - 1)



------------------------------------------------------------------------------

Sequence:  A025445
Score: 8.97813
Type of gen. func.: lgdogf


                                 3        2
                         2 (336 x  - 309 x  + 89 x - 8)
                  - -----------------------------------------
                    (-1 + 4 x) (3 x - 1) (-1 + 2 x) (7 x - 1)
```

Sequence: A025467
Score: 10.6000
Type of gen. func.: ogf

$$\frac{1}{(-1 + 4 x) (3 x - 1) (-1 + 2 x) (8 x - 1)}$$

Sequence: A025467
Score: 4.22463
Type of gen. func.: ogf

$$(261490097 f(x) + 84409344)$$

$$(192 f(x) x^4 - 232 f(x) x^3 + 98 f(x) x^2 - 17 f(x) x + f(x) - 1)$$

Sequence: A025467
Score: 9.36428
Type of gen. func.: lgdogf

$$- \frac{768 x^3 - 696 x^2 + 196 x - 17}{(-1 + 4 x) (3 x - 1) (-1 + 2 x) (8 x - 1)}$$

Sequence: A025470
Score: 3.78598
Type of gen. func.: ogf

$$(4318684711 f(x) + 1245466368)$$

$$(216 f(x) x^4 - 258 f(x) x^3 + 107 f(x) x^2 - 18 f(x) x + f(x) - 1)$$

Sequence: A025470
Score: 8.48463
Type of gen. func.: lgdogf

$$- \frac{2 (432 x^3 - 387 x^2 + 107 x - 9)}{(-1 + 4 x) (3 x - 1) (9 x - 1) (-1 + 2 x)}$$

Sequence: A025470
Score: 9.60016
Type of gen. func.: ogf

$$\frac{1}{(-1 + 4 x) (3 x - 1) (9 x - 1) (-1 + 2 x)}$$

Sequence: A025495
Score: 6.31948
Type of gen. func.: ogf

$$\frac{x^7 - x^6 + 3 x^5 + 7 x^4 + 22 x^3 + 7 x^2 + 1}{(x + 1)^2 (x - 1)^4}$$

Sequence: A025495
Score: 7.34195
Type of gen. func.: lgdogf

$$\frac{x^8 - 2 x^7 - 8 x^6 - 14 x^5 - 95 x^4 - 100 x^3 - 80 x^2 - 20 x - 2}{(x - 1) (x + 1) (x^7 - x^6 + 3 x^5 + 7 x^4 + 22 x^3 + 7 x^2 + 1)}$$

Sequence: A025551
Score: 13.3852
Type of gen. func.: ogf

$$- \frac{6 x - 1}{(9 x - 1) (3 x - 1)}$$

Sequence: A025551
Score: 15.0517
Type of gen. func.: lgdogf

$$- \frac{6 (27 x^2 - 9 x + 1)}{(6 x - 1) (3 x - 1) (9 x - 1)}$$

Sequence: A025551
Score: 6.83808
Type of gen. func.: ogf

$$-(13 f(x) + 3) (27 f(x) x^2 - 12 f(x) x + f(x) + 6 x - 1)$$

Sequence: A025551
Score: 7.48932
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 27 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A025565
Score: 14.0769
Type of gen. func.: ogf

$$-3 f(x)^2 x + f(x)^2 - x - 1$$

Sequence: A025565
Score: 42.2773
Type of gen. func.: lgdogf

$$- \frac{2}{(x + 1) (3 x - 1)}$$

Sequence: A025565
Score: 5.65381
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (4 + 2 n) a(n + 1) + 3 n a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A025566
Score: 3.50199
Type of gen. func.: ogf

$$\{(3 n^2 - 3 n) a(n) + (5 n^2 + 8 n) a(n + 1) + (n^2 + 7 n + 9) a(n + 2)$$
$$+ (-n^2 - 4 n - 3) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A025566
Score: 6.79998
Type of gen. func.: ogf

$$3 f(x)^2 x - 3 f(x) x^2 + x^3 - f(x)^2 - 2 f(x) x + x^2 + f(x)$$

Sequence: A025577
Score: 19.8028
Type of gen. func.: lgdogf

$$- \frac{3 x^2 + 4 x - 3}{(x - 1) (x + 1) (3 x - 1)}$$

Sequence: A025577
Score: 3.56781
Type of gen. func.: ogf

{(n + 4) a(n + 4) + (-12 - 3 n) a(n + 3) + (2 - n) a(n + 2)

+ (6 + 3 n) a(n + 1), a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 17}

Sequence: A025577
Score: 8.31091
Type of gen. func.: ogf

$$3 f(x)^2 x^3 - 7 f(x)^2 x^2 + 5 f(x)^2 x - f(x)^2 + x + 1$$

Sequence: A025578
Score: 4.05642
Type of gen. func.: ogf

{-9 n a(n) + (-3 n - 9) a(n + 1) + (5 n + 12) a(n + 2) + (-n - 3) a(n + 3),

a(0) = 1, a(1) = 3, a(2) = 8}

Sequence: A025578
Score: 5.85927

Type of gen. func.: ogf

$$9 f(x)^2 x^2 - 6 f(x)^2 x + 3 f(x) x^2 + f(x)^2 + 2 f(x) x + x^2 - f(x) + x$$

Sequence: A025579
Score: 14.8679
Type of gen. func.: ogf

$$\frac{(x + 1) (-1 + 2 x)}{3 x - 1}$$

Sequence: A025579
Score: 17.7263
Type of gen. func.: lgdogf

$$\frac{2 (3 x^2 - 2 x + 1)}{(3 x - 1) (-1 + 2 x) (x + 1)}$$

Sequence: A025579
Score: 7.96495
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A025579
Score: 8.92073
Type of gen. func.: ogf

$$(f(x) - 1) (3 f(x) x - 2 x^2 - f(x) - x + 1)$$

Sequence: A025592
Score: 4.10950
Type of gen. func.: ogf

$$\frac{(x - 1) (-1 + 4 x) (3 x - 1) (-1 + 2 x) (5 x - 1)}{192 x^7 + 184 x^6 - 1066 x^5 - 113 x^4 + 468 x^3 - 166 x^2 + 22 x - 1}$$

Sequence: A025593
Score: 4.15187
Type of gen. func.: ogf

$$\frac{(5 x - 1) (32 x^6 + 32 x^5 - 164 x^4 - 52 x^3 + 71 x^2 - 16 x + 1)}{(x + 1) (192 x^7 + 184 x^6 - 1066 x^5 - 113 x^4 + 468 x^3 - 166 x^2 + 22 x - 1)}$$

Sequence: A025594
Score: 4.38541
Type of gen. func.: ogf

$$- \frac{x (32 x^6 + 56 x^5 - 214 x^4 - 17 x^3 + 61 x^2 - 15 x + 1)}{(x + 1) (192 x^7 + 184 x^6 - 1066 x^5 - 113 x^4 + 468 x^3 - 166 x^2 + 22 x - 1)}$$

Sequence: A025595
Score: 3.77507
Type of gen. func.: ogf

$$- (48 x^9 + 120 x^8 - 126 x^7 - 457 x^6 - 175 x^5 + 162 x^4 + 75 x^3 - 18 x^2 - 6 x + 1) \Big/ ((3 x - 1) (3 x^3 + 9 x^2 + 6 x - 1) (3 x^3 - 3 x - 1) (3 x^3 - 9 x^2 - 3 x + 1))$$

Sequence: A025599
Score: 4.47357
Type of gen. func.: ogf

$$- \frac{72 x^7 + 128 x^6 - 42 x^5 - 108 x^4 - 3 x^3 + 21 x^2 + x - 1}{96 x^8 - 16 x^7 - 276 x^6 - 42 x^5 + 162 x^4 + 29 x^3 - 27 x^2 - 3 x + 1}$$

Sequence: A025607
Score: 3.85903
Type of gen. func.: ogf

$\{-a(n + 3) + 18 a(n + 2) - 44 a(n + 1) - 168 a(n), a(0) = 1, a(1) = 0,$

$a(2) = 14\}$

Sequence: A025607
Score: 6.09927
Type of gen. func.: lgdogf

$$-\frac{28 x (348 x^3 - 216 x^2 + 27 x - 1)}{(6 x - 1) (2 x + 1) (14 x - 1) (58 x^2 - 18 x + 1)}$$

Sequence: A025607
Score: 6.21805
Type of gen. func.: ogf

$$(8 f(x) - 15) (168 f(x) x^3 + 44 f(x) x^2 - 18 f(x) x - 58 x^2 + f(x) + 18 x - 1)$$

Sequence: A025607
Score: 6.68130
Type of gen. func.: ogf

$$\frac{58 x^2 - 18 x + 1}{(6 x - 1) (2 x + 1) (14 x - 1)}$$

Sequence: A025608
Score: 14.7877
Type of gen. func.: ogf

$$\frac{2 x^2}{(6 x - 1) (2 x + 1) (14 x - 1)}$$

Sequence: A025608
Score: 15.9668
Type of gen. func.: lgdogf

$$2 (252 x^2 + 44 x - 9)$$

```
                           - ------------------------------
                             (6 x - 1) (2 x + 1) (14 x - 1)



--------------------------------------------------------------------------------

Sequence:  A025608
Score: 6.35611
Type of gen. func.: ogf


{-a(n + 3) + 18 a(n + 2) - 44 a(n + 1) - 168 a(n), a(0) = 0, a(1) = 0, a(2) = 2

    }



--------------------------------------------------------------------------------

Sequence:  A025608
Score: 8.52466
Type of gen. func.: ogf


                          3             2                  2
               168 f(x) x  + 44 f(x) x  - 18 f(x) x - 2 x  + f(x)



--------------------------------------------------------------------------------

Sequence:  A025609
Score: 3.84331
Type of gen. func.: ogf


{-a(n + 3) + 18 a(n + 2) - 44 a(n + 1) - 168 a(n), a(0) = 0, a(1) = 1, a(2) = 6

    }



--------------------------------------------------------------------------------

Sequence:  A025609
Score: 6.49679
Type of gen. func.: ogf


                              3             2                    2
     (6 f(x) + 1) (168 f(x) x  + 44 f(x) x  - 18 f(x) x + 12 x  + f(x) - x)



--------------------------------------------------------------------------------

Sequence:  A025609
Score: 7.10625
Type of gen. func.: lgdogf


                                   3       2
                           2 (2016 x  + 12 x  - 44 x + 3)
                     - ----------------------------------------
                       (6 x - 1) (2 x + 1) (12 x - 1) (14 x - 1)



--------------------------------------------------------------------------------
```

Sequence: A025609
Score: 7.12873
Type of gen. func.: ogf

$$-\frac{x\,(12\,x-1)}{(6\,x-1)\,(2\,x+1)\,(14\,x-1)}$$

Sequence: A025693
Score: 7.56539
Type of gen. func.: ogf

$$-(x^{15}-x^{14}+x^{12}+x^{9}+x^{6}+x^{3}+1)\Big/\Big((x+1)\,(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)\,(x^{6}-x^{5}+x^{4}-x^{3}+x^{2}-x+1)\,(x-1)^{3}\Big)$$

Sequence: A025694
Score: 6.91519
Type of gen. func.: ogf

$$-(x^{20}-x^{19}+x^{16}+x^{13}+x^{10}+x^{7}+x^{4}+1)\Big/\Big((x^{18}+x^{17}+x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)\,(x-1)^{3}\Big)$$

Sequence: A025695
Score: 10.6198
Type of gen. func.: ogf

$$-\frac{x^{7}+x^{4}+1}{(x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{4}-x^{3}+x^{2}-x+1)\,(x-1)^{3}}$$

Sequence: A025699
Score: 5.71915
Type of gen. func.: ogf

$$-(x^{18}-x^{17}+x^{16}+x^{14}+x^{12}+x^{10}+x^{8}+x^{6}+x^{4}+x^{2}+1)\Big/\Big((x^{16}+x^{15}$$

```
        14    13    12    11    10    9    8    7    6    5    4    3    2
     + x   + x   + x   + x   + x   + x  + x  + x  + x  + x  + x  + x  + x  + x

                 3
     + 1) (x - 1) )


-------------------------------------------------------------------------------

Sequence:  A025700
Score: 6.18386
Type of gen. func.: ogf


    19    17    15    13    11    9    7    5    3        /    2
- (x   + x   + x   + x   + x   + x  + x  + x  + x  + 1)  /  ((x  + x + 1)
                                                        /

      6    5    4    3    2
    (x  + x  + x  + x  + x  + x + 1)

      12    11    9    8    6    4    3                 3
    (x   - x   + x  - x  + x  - x  + x  - x + 1) (x - 1) )


-------------------------------------------------------------------------------

Sequence:  A025704
Score: 7.72831
Type of gen. func.: ogf


                         6    3    2            2
                       (x  + x  + x  + x + 1) (x  - x + 1)
                  - -----------------------------------------
                      6    5    4    3    2                 3
                    (x  + x  + x  + x  + x  + x + 1) (x - 1)


-------------------------------------------------------------------------------

Sequence:  A025705
Score: 10.7276
Type of gen. func.: ogf


                              2            2
                            (x  + x + 1) (x  - x + 1)
                       - -------------------------------
                            4    3    2                3
                         (x  + x  + x  + x + 1) (x - 1)


-------------------------------------------------------------------------------

Sequence:  A025705
Score: 23.3841
Type of gen. func.: ogf_with_Euler_transform]


                                  5    4
                               [-x  + x  + x + 2]


-------------------------------------------------------------------------------
```

Sequence: A025705
Score: 8.97571
Type of gen. func.: lgdogf

$$-\frac{3x^8+2x^7+7x^6+4x^5+11x^4+8x^3+4x^2+4x+2}{(x-1)(x^2+x+1)(x^2-x+1)(x^4+x^3+x^2+x+1)}$$

Sequence: A025707
Score: 5.69041
Type of gen. func.: ogf

$$-\frac{x^{11}-x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+1}{(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x-1)^3}$$

Sequence: A025710
Score: 5.13705
Type of gen. func.: ogf

$$-(x^{16}-x^{15}+x^{14}+x^{13}+x^{11}+x^{10}+x^9+x^7+x^6+x^5+x^3+x^2+1) \Big/ \left((x^2+x+1)(x^4+x^3+x^2+x+1)(x^8-x^7+x^5-x^4+x^3-x+1)(x-1)^3\right)$$

Sequence: A025711
Score: 6.48699
Type of gen. func.: ogf

$$-\frac{x^{11}-x^{10}+x^9+x^8+x^6+x^5+x^3+x^2+1}{(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x-1)^3}$$

Sequence: A025712
Score: 5.13602
Type of gen. func.: ogf

```
      12       11       10        9       8       7       6       5       4       3
```

$$- (2 x + 3 x + 2 x + 3 x + 2 x + 3 x + 3 x + 2 x + 3 x + 2 x$$

$$+ 3 x^{2} + 2 x + 1) / ((x + 1) (x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1)$$

$$(x^{4} - x^{2} + 1) (x - 1)^{3})$$

Sequence: A025715
Score: 29.4349
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{9} + x^{8} + 3$$

Sequence: A025719
Score: 7.49065
Type of gen. func.: ogf

$$- \frac{x^{8} + x^{7} + x^{6} + x^{4} + x^{3} + x^{2} + 1}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{3}}$$

Sequence: A025722
Score: 7.47144
Type of gen. func.: lgdogf

$$- \frac{2 x^{9} + 5 x^{8} + 12 x^{7} + 13 x^{6} + 16 x^{5} + 22 x^{4} + 14 x^{3} + 12 x^{2} + 6 x + 3}{(x - 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{5} + x^{4} + 2 x^{3} + x^{2} + x + 1)}$$

Sequence: A025722
Score: 8.29369
Type of gen. func.: ogf

$$- \frac{x^{5} + x^{4} + 2 x^{3} + x^{2} + x + 1}{(x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{3}}$$

Sequence: A025727

Score: 5.14483
Type of gen. func.: ogf

$$-(x^{14} - x^{13} + x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + 1) / ((x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{3})$$

Sequence: A025734
Score: 7.60512
Type of gen. func.: ogf

$$-\frac{3 x^{6} + 3 x^{5} + 3 x^{4} + 3 x^{3} + 3 x^{2} + 3 x + 1}{(x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x - 1)^{3}}$$

Sequence: A025735
Score: 5.38805
Type of gen. func.: ogf

$$-\frac{x^{11} + x^{10} + 2 x^{9} + x^{8} + x^{7} + 2 x^{6} + x^{5} + x^{4} + 2 x^{3} + x^{2} + x + 1}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{3}}$$

Sequence: A025738
Score: 25.6937
Type of gen. func.: ogf_with_Euler_transform]

$$3 - x^{17} (x - 1)$$

Sequence: A025742
Score: 11.9102
Type of gen. func.: lgdogf

$$-\frac{x^{6} + 2 x^{5} + 8 x^{4} + 12 x^{3} + 11 x^{2} + 8 x + 3}{(x - 1) (x^{2} + x + 1) (x^{4} + 2 x^{2} + x + 1)}$$

Sequence: A025742
Score: 9.99432
Type of gen. func.: ogf

$$-\frac{x^4 + 2 x^2 + x + 1}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A025743
Score: 7.15951
Type of gen. func.: ogf

$$-\frac{(x^2 + 1) (x^5 + x^4 + x^3 + x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A025744
Score: 7.26190
Type of gen. func.: ogf

$$-\frac{(x^2 + x + 1) (x^2 - x + 1) (x^4 + x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A025745
Score: 5.46559
Type of gen. func.: ogf

$$-\frac{x^{11} + x^{10} + x^9 + x^8 + x^7 + 2 x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A025747
Score: 28.1802
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{21} + x^{20} + 3$$

Sequence: A025748
Score: 12.597
Type of gen. func.: ogf

$$-x - 7 + 16 f(x) - 12 f(x)^2 + 3 f(x)^3$$

Sequence: A025748
Score: 6.02561
Type of gen. func.: ogf

$$\{(-9 n + 3) a(n) + (n + 1) a(n + 1), a(0) = 1, a(1) = 1\}$$

Sequence: A025749
Score: 5.18478
Type of gen. func.: ogf

$$\{(-16 n + 4) a(n) + (n + 1) a(n + 1), a(0) = 1, a(1) = 1\}$$

Sequence: A025750
Score: 5.28671
Type of gen. func.: ogf

$$\{(-25 n + 5) a(n) + (n + 1) a(n + 1), a(0) = 1, a(1) = 1\}$$

Sequence: A025751
Score: 5.81246
Type of gen. func.: ogf

$$\{(-36 n + 6) a(n) + (n + 1) a(n + 1), a(0) = 1, a(1) = 1\}$$

Sequence: A025752
Score: 5.45943
Type of gen. func.: ogf

$$\{(-49 n + 7) a(n) + (n + 1) a(n + 1), a(0) = 1, a(1) = 1\}$$

Sequence: A025753
Score: 4.99733

Type of gen. func.: ogf

$$\{(-64 n + 8) a(n) + (n + 1) a(n + 1), a(0) = 1, a(1) = 1\}$$

Sequence: A025754
Score: 5.24859
Type of gen. func.: ogf

$$\{(-81 n + 9) a(n) + (n + 1) a(n + 1), a(0) = 1, a(1) = 1\}$$

Sequence: A025755
Score: 4.50506
Type of gen. func.: ogf

$$\{(-100 n + 10) a(n) + (n + 1) a(n + 1), a(0) = 1, a(1) = 1\}$$

Sequence: A025756
Score: 8.55996
Type of gen. func.: ogf

$$-f(x)^3 x + f(x)^3 - 4 f(x)^2 + 6 f(x) - 3$$

Sequence: A025764
Score: 26.7690
Type of gen. func.: ogf_with_Euler_transform]

$$x^6 + x + 1$$

Sequence: A025764
Score: 7.81110
Type of gen. func.: lgdogf

$$-\frac{10 x^7 + 11 x^6 + 4 x^5 + 4 x^4 + 4 x^3 + 4 x^2 + 4 x + 1}{(x - 1) (x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A025764

Score: 9.60333
Type of gen. func.: ogf

$$-\frac{1}{(x+1)\,(x^6+x^5+x^4+x^3+x^2+x+1)\,(x-1)^3}$$

Sequence: A025765
Score: 27.1693
Type of gen. func.: ogf_with_Euler_transform]

$$x^8+x+1$$

Sequence: A025765
Score: 7.23818
Type of gen. func.: lgdogf

$$-\frac{12\,x^9+13\,x^8+4\,x^7+4\,x^6+4\,x^5+4\,x^4+4\,x^3+4\,x^2+4\,x+1}{(x-1)\,(x+1)\,(x^2+x+1)\,(x^6+x^3+1)}$$

Sequence: A025765
Score: 8.97571
Type of gen. func.: ogf

$$-\frac{1}{(x+1)\,(x^2+x+1)\,(x^6+x^3+1)\,(x-1)^3}$$

Sequence: A025766
Score: 25.9243
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10}+x+1$$

Sequence: A025766
Score: 5.20127
Type of gen. func.: lgdogf

$$-(14 x^{11} + 15 x^{10} + 4 x^9 + 4 x^8 + 4 x^7 + 4 x^6 + 4 x^5 + 4 x^4 + 4 x^3 + 4 x^2 + 4 x + 1) \Big/ ((x - 1) (x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1))$$

Sequence: A025766
Score: 9.27222
Type of gen. func.: ogf

$$-\frac{1}{(x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A025767
Score: 13.6995
Type of gen. func.: lgdogf

$$-\frac{8 x^5 + 9 x^4 + 10 x^3 + 6 x^2 + 2 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A025767
Score: 15.4355
Type of gen. func.: ogf

$$-\frac{1}{(x^2 + x + 1) (x^2 + 1) (x + 1) (x - 1)^3}$$

Sequence: A025767
Score: 26.5643
Type of gen. func.: ogf_with_Euler_transform]

$$[x^3 + x^2 + 1]$$

Sequence: A025768
Score: 20.3022

Type of gen. func.: ogf_with_Euler_transform]

$$[x^6 + x^2 + 1]$$

Sequence: A025768
Score: 6.91036
Type of gen. func.: lgdogf

$$- \frac{11 x^8 + 12 x^7 + 13 x^6 + 6 x^5 + 6 x^4 + 6 x^3 + 6 x^2 + 2 x + 1}{(x - 1) (x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A025768
Score: 8.97059
Type of gen. func.: ogf

$$- \frac{1}{(x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A025769
Score: 23.4810
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 + x^2 + 1$$

Sequence: A025769
Score: 6.88018
Type of gen. func.: lgdogf

$$- \frac{12 x^9 + 13 x^8 + 14 x^7 + 6 x^6 + 6 x^5 + 6 x^4 + 6 x^3 + 6 x^2 + 2 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1) (x^4 + 1)}$$

Sequence: A025769
Score: 9.63035
Type of gen. func.: ogf

$$-\frac{1}{(x+1)\,(x^2+1)\,(x^2+x+1)\,(x^4+1)\,(x-1)^3}$$

Sequence: A025770
Score: 14.6086
Type of gen. func.: ogf

$$-1/\left((x+1)\,(x^2+x+1)\,(x^4+x^3+x^2+x+1)\,(x^4-x^3+x^2-x+1)\,(x-1)^3\right)$$

Sequence: A025770
Score: 36.6710
Type of gen. func.: ogf_with_Euler_transform]

$$x^9+x^2+1$$

Sequence: A025770
Score: 8.00610
Type of gen. func.: lgdogf

$$-(14x^{11}+15x^{10}+16x^9+6x^8+6x^7+6x^6+6x^5+6x^4+6x^3+6x^2+2x+1)\Big/\left((x-1)\,(x+1)\,(x^2+x+1)\,(x^4+x^3+x^2+x+1)\,(x^4-x^3+x^2-x+1)\right)$$

Sequence: A025771
Score: 22.4265
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10}+x^2+1$$

Sequence: A025771
Score: 9.25433
Type of gen. func.: ogf

$$- 1/\left((x^2 + x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3\right)$$

Sequence: A025772
Score: 11.5999
Type of gen. func.: ogf

$$- \frac{1}{(x + 1) (x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A025772
Score: 20.3022
Type of gen. func.: ogf_with_Euler_transform]

$$[x^4 + x^3 + 1]$$

Sequence: A025772
Score: 7.63353
Type of gen. func.: lgdogf

$$- \frac{10 x^7 + 11 x^6 + 12 x^5 + 13 x^4 + 8 x^3 + 3 x^2 + 2 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A025773
Score: 23.1998
Type of gen. func.: ogf_with_Euler_transform]

$$x^6 + x^3 + 1$$

Sequence: A025773
Score: 6.21876
Type of gen. func.: lgdogf

$$-\frac{12x^9+13x^8+14x^7+15x^6+8x^5+8x^4+8x^3+3x^2+2x+1}{(x-1)(x+1)(x^2+1)(x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A025773
Score: 9.00755
Type of gen. func.: ogf

$$-\frac{1}{(x+1)(x^2+1)(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^3}$$

Sequence: A025774
Score: 23.4366
Type of gen. func.: ogf_with_Euler_transform]

$$x^8+x^3+1$$

Sequence: A025774
Score: 5.74104
Type of gen. func.: lgdogf

$$-(14x^{11}+15x^{10}+16x^9+17x^8+8x^7+8x^6+8x^5+8x^4+8x^3+3x^2+2x+1)\Big/((x-1)(x+1)(x^2+1)(x^2+x+1)(x^6+x^3+1))$$

Sequence: A025774
Score: 9.47783
Type of gen. func.: ogf

$$-\frac{1}{(x+1)(x^2+1)(x^2+x+1)(x^6+x^3+1)(x-1)^3}$$

Sequence: A025775
Score: 14.0938
Type of gen. func.: ogf

$$- 1/((x + 1) (x^2 + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3)$$

Sequence: A025775
Score: 36.0803
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^3 + 1$$

Sequence: A025776
Score: 12.2830
Type of gen. func.: ogf

$$- \frac{1}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A025776
Score: 20.3877
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5 + x^4 + 1]$$

Sequence: A025776
Score: 5.88561
Type of gen. func.: lgdogf

$$- \frac{12 x^9 + 13 x^8 + 14 x^7 + 15 x^6 + 16 x^5 + 10 x^4 + 4 x^3 + 3 x^2 + 2 x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A025777
Score: 23.4366
Type of gen. func.: ogf_with_Euler_transform]

$$x^6 + x^4 + 1$$

Sequence: A025777
Score: 5.54967
Type of gen. func.: lgdogf

$$-(13x^{10}+14x^{9}+15x^{8}+16x^{7}+17x^{6}+10x^{5}+10x^{4}+4x^{3}+3x^{2}+2x+1)\Big/((x-1)(x^{4}+x^{3}+x^{2}+x+1)(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1))$$

Sequence: A025777
Score: 9.61132
Type of gen. func.: ogf

$$-\frac{1}{(x^{4}+x^{3}+x^{2}+x+1)(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{3}}$$

Sequence: A025778
Score: 23.2954
Type of gen. func.: ogf_with_Euler_transform]

$$x^{7}+x^{4}+1$$

Sequence: A025778
Score: 5.33750
Type of gen. func.: lgdogf

$$-(14x^{11}+15x^{10}+16x^{9}+17x^{8}+18x^{7}+10x^{6}+10x^{5}+10x^{4}+4x^{3}+3x^{2}+2x+1)\Big/((x-1)(x+1)(x^{2}+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{4}+1))$$

Sequence: A025778
Score: 9.04392
Type of gen. func.: ogf

$$1$$

```
          - ----------------------------------------------------------
                      2        4    3    2            4             3
            (x + 1) (x  + 1) (x  + x  + x  + x + 1) (x  + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A025779
Score: 11.4263
Type of gen. func.: ogf


                                        1
          - -----------------------------------------------------------
              2            4    3    2            6    3            3
            (x  + x + 1) (x  + x  + x  + x + 1) (x  + x  + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A025779
Score: 28.2745
Type of gen. func.: ogf_with_Euler_transform]


                                    8    4
                                   x  + x  + 1



------------------------------------------------------------------------------

Sequence:  A025779
Score: 6.10338
Type of gen. func.: lgdogf


       12       11       10       9       8       7       6       5       4
- (15 x   + 16 x   + 17 x   + 18 x  + 19 x  + 10 x  + 10 x  + 10 x  + 10 x

          3      2               /            2            4    3    2
     + 4 x  + 3 x  + 2 x + 1)  /  ((x - 1) (x  + x + 1) (x  + x  + x  + x + 1)
                              /

      6    3
    (x  + x  + 1))



------------------------------------------------------------------------------

Sequence:  A025780
Score: 22.9744
Type of gen. func.: ogf_with_Euler_transform]


                                    10    4
                                   x   + x  + 1



------------------------------------------------------------------------------

Sequence:  A025780
Score: 9.47812
Type of gen. func.: ogf


       4    3    2
```

$$- 1/((x + x + x + x + 1)$$

$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3)$$

Sequence: A025781
Score: 22.9744
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^4 + 1$$

Sequence: A025781
Score: 9.47812
Type of gen. func.: ogf

$$- 1/((x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + 1)$$

$$(x^4 - x^2 + 1) (x - 1)^3)$$

Sequence: A025782
Score: 12.3326
Type of gen. func.: ogf

$$- 1/($$

$$(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3$$

$$)$$

Sequence: A025782
Score: 23.2954
Type of gen. func.: ogf_with_Euler_transform]

$$x^6 + x^5 + 1$$

Sequence: A025783
Score: 23.0634
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^5 + 1$$

Sequence: A025783
Score: 9.51415
Type of gen. func.: ogf

$$- 1/((x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3)$$

Sequence: A025784
Score: 12.3814
Type of gen. func.: ogf

$$- \frac{1}{(x + 1) (x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x - 1)^3}$$

Sequence: A025784
Score: 23.3894
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 + x^6 + 1$$

Sequence: A025785
Score: 23.4819
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^6 + 1$$

Sequence: A025785
Score: 9.49467
Type of gen. func.: ogf

$$- \frac{1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A025786
Score: 23.8587
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^6 + 1$$

Sequence: A025786
Score: 9.01991
Type of gen. func.: ogf

$$- 1/((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)$$

$$(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3)$$

Sequence: A025787
Score: 22.9253
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^6 + 1$$

Sequence: A025787
Score: 9.45718
Type of gen. func.: ogf

$$- 1/((x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)$$

$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3)$$

Sequence: A025788
Score: 23.1511
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^6 + 1$$

Sequence: A025788
Score: 9.54963
Type of gen. func.: ogf

$$- 1/((x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x - 1)^3)$$

Sequence: A025789
Score: 12.2074
Type of gen. func.: ogf

$$- \frac{1}{(x + 1) (x^2 + 1) (x^2 + x + 1) (x^6 + x^3 + 1) (x^4 + 1) (x - 1)^3}$$

Sequence: A025789
Score: 23.4819
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^7 + 1$$

Sequence: A025790
Score: 23.0125
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^7 + 1$$

Sequence: A025790
Score: 8.99934
Type of gen. func.: ogf

$$- 1/((x + 1) (x^2 + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x - 1)^3)$$

Sequence: A025791
Score: 12.2538
Type of gen. func.: ogf

$$- 1/((x + 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)$$

```
      6    3            3
    (x  + x  + 1) (x - 1) )



-------------------------------------------------------------------------------

Sequence:  A025791
Score: 23.5730
Type of gen. func.: ogf_with_Euler_transform]


                                   9    8
                                  x  + x  + 1



-------------------------------------------------------------------------------

Sequence:  A025792
Score: 22.8738
Type of gen. func.: ogf_with_Euler_transform]


                                   10    8
                                  x   + x  + 1



-------------------------------------------------------------------------------

Sequence:  A025792
Score: 9.30776
Type of gen. func.: ogf


       2             6    3
- 1/((x  + x + 1) (x  + x  + 1)

      10    9    8    7    6    5    4    3    2                 3
    (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x - 1) )



-------------------------------------------------------------------------------

Sequence:  A025793
Score: 12.0838
Type of gen. func.: ogf


               4    3    2             4    3    2
- 1/((x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1)

      10    9    8    7    6    5    4    3    2                 3
    (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x - 1) )



-------------------------------------------------------------------------------

Sequence:  A025793
Score: 22.8738
Type of gen. func.: ogf_with_Euler_transform]


                                   10    9
                                  x   + x  + 1
```

Sequence: A025794
Score: 12.1279
Type of gen. func.: ogf

$$- 1/((x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x - 1)^3)$$

Sequence: A025794
Score: 22.2185
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^{10} + 1$$

Sequence: A025795
Score: 10.4636
Type of gen. func.: lgdogf

$$- \frac{x (10 x^6 + 20 x^5 + 22 x^4 + 17 x^3 + 12 x^2 + 7 x + 2)}{(x - 1) (x + 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A025795
Score: 14.5541
Type of gen. func.: ogf

$$- \frac{1}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1) (x - 1)^3}$$

Sequence: A025795
Score: 27.2591
Type of gen. func.: ogf_with_Euler_transform]

$$[x^4 + x^2 + x]$$

Sequence: A025796
Score: 12.1831
Type of gen. func.: lgdogf

$$-\frac{x\,(11\,x^{4}+2\,x^{2}+3\,x+2)}{(x^{2}-x+1)\,(x^{2}+x+1)\,(x-1)\,(x+1)}$$

Sequence: A025796
Score: 23.4366
Type of gen. func.: ogf_with_Euler_transform]

$$x^{5}+x^{2}+x$$

Sequence: A025796
Score: 8.74877
Type of gen. func.: ogf

$$-\frac{1}{(x^{2}-x+1)\,(x+1)^{2}\,(x^{2}+x+1)^{2}\,(x-1)^{3}}$$

Sequence: A025797
Score: 20.7607
Type of gen. func.: ogf_with_Euler_transform]

$$x\,(x^{6}+x+1)$$

Sequence: A025797
Score: 7.26161
Type of gen. func.: lgdogf

$$-\frac{x\,(13\,x^{8}+13\,x^{7}+15\,x^{6}+5\,x^{5}+7\,x^{4}+5\,x^{3}+7\,x^{2}+5\,x+2)}{(x-1)\,(x+1)\,(x^{2}+1)\,(x^{2}+x+1)\,(x^{4}+1)}$$

Sequence: A025797
Score: 9.04947
Type of gen. func.: ogf

$$-\frac{1}{(x^2+1)\,(x^2+x+1)\,(x^4+1)\,(x+1)^2\,(x-1)^3}$$

Sequence: A025798
Score: 23.6243
Type of gen. func.: ogf_with_Euler_transform]

$$x^8+x^2+x$$

Sequence: A025798
Score: 7.67421
Type of gen. func.: lgdogf

$$-\frac{x\,(14\,x^8+14\,x^7+2\,x^6+5\,x^5+5\,x^4+2\,x^3+5\,x^2+5\,x+2)}{(x-1)\,(x+1)\,(x^2+x+1)\,(x^6+x^3+1)}$$

Sequence: A025798
Score: 9.04947
Type of gen. func.: ogf

$$-\frac{1}{(x+1)\,(x^6+x^3+1)\,(x^2+x+1)^2\,(x-1)^3}$$

Sequence: A025799
Score: 11.8254
Type of gen. func.: ogf

$$-1/((x^2+x+1)\,(x^4+x^3+x^2+x+1)\,(x^4-x^3+x^2-x+1)\,(x+1)^2\,(x-1)^3)$$

Sequence: A025799

Score: 31.3054
Type of gen. func.: ogf_with_Euler_transform]

```
                                   9    2
                                  x  + x  + x
```

Sequence: A025799
Score: 7.12288
Type of gen. func.: lgdogf

```
         10       9       8      7      6      5      4      3      2
- x (15 x   + 15 x  + 17 x  + 5 x  + 7 x  + 5 x  + 7 x  + 5 x  + 7 x  + 5 x + 2

        /                    2            4    3    2
    )  /  ((x - 1) (x + 1) (x  + x + 1) (x  + x  + x  + x + 1)
      /

      4    3    2
    (x  - x  + x  - x + 1))
```

Sequence: A025800
Score: 22.9253
Type of gen. func.: ogf_with_Euler_transform]

```
                                   10    2
                                  x   + x  + x
```

Sequence: A025800
Score: 8.96590
Type of gen. func.: ogf

```
               2            10    9    8    7    6    5    4    3    2
- 1/((x + 1) (x  + x + 1) (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1)

           3
    (x - 1) )
```

Sequence: A025801
Score: 23.0125
Type of gen. func.: ogf_with_Euler_transform]

```
                                   11    2
                                  x   + x  + x
```

Sequence: A025801
Score: 6.80426

Type of gen. func.: lgdogf

$$-\frac{x (17 x^{10} + 2 x^{8} + 3 x^{7} + 2 x^{6} + 5 x^{4} + 2 x^{2} + 3 x + 2)}{(x^{2} - x + 1) (x^{2} + x + 1) (x - 1) (x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1)}$$

Sequence: A025801
Score: 8.99934
Type of gen. func.: ogf

$$-\frac{1}{(x^{2} + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x + 1)^{2} (x^{2} + x + 1)^{2} (x - 1)^{3}}$$

Sequence: A025802
Score: 23.3894
Type of gen. func.: ogf_with_Euler_transform]

$$x^{4} + x^{3} + x$$

Sequence: A025802
Score: 8.20393
Type of gen. func.: lgdogf

$$-\frac{x (11 x^{6} + 11 x^{5} + 13 x^{4} + 13 x^{3} + 8 x^{2} + 2 x + 2)}{(x - 1) (x + 1) (x^{2} + 1) (x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A025802
Score: 9.20238
Type of gen. func.: ogf

$$-\frac{1}{(x^{2} + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x + 1)^{2} (x - 1)^{3}}$$

Sequence: A025803
Score: 18.4761
Type of gen. func.: ogf_with_Euler_transform]

$$x (x^5 + x^2 + 1)$$

Sequence: A025803
Score: 6.68683
Type of gen. func.: lgdogf

$$- \frac{x (13 x^8 + 13 x^7 + 15 x^6 + 15 x^5 + 8 x^4 + 8 x^3 + 8 x^2 + 2 x + 2)}{(x - 1) (x + 1) (x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A025803
Score: 8.68627
Type of gen. func.: ogf

$$- \frac{1}{(x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A025804
Score: 23.5192
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^3 + x$$

Sequence: A025804
Score: 6.16757
Type of gen. func.: lgdogf

$$- x (15 x^{10} + 15 x^9 + 17 x^8 + 17 x^7 + 8 x^6 + 8 x^5 + 8 x^4 + 8 x^3 + 8 x^2 + 2 x + 2) / ((x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1) (x^6 + x^3 + 1))$$

Sequence: A025804
Score: 8.55750
Type of gen. func.: ogf

$$-\frac{1}{(x^2+1)\,(x^2+x+1)\,(x^6+x^3+1)\,(x+1)^2\,(x-1)^3}$$

Sequence: A025805
Score: 22.1807
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10}+x^3+x$$

Sequence: A025805
Score: 8.24570
Type of gen. func.: ogf

$$-1/((x^2+1)\,(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)\,(x+1)^2\,(x-1)^3)$$

Sequence: A025806
Score: 20.7156
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5+x^4+x]$$

Sequence: A025806
Score: 6.33549
Type of gen. func.: lgdogf

$$-\frac{x\,(13\,x^8+13\,x^7+15\,x^6+15\,x^5+17\,x^4+9\,x^3+4\,x^2+2\,x+2)}{(x-1)\,(x+1)\,(x^2+x+1)\,(x^2-x+1)\,(x^4+x^3+x^2+x+1)}$$

Sequence: A025806
Score: 9.14953
Type of gen. func.: ogf

$$1$$

```
      - -------------------------------------------------------------------
          2            2            4    3    2                 2        3
        (x  + x + 1) (x  - x + 1) (x  + x  + x  + x + 1) (x + 1)  (x - 1)



------------------------------------------------------------------------------

Sequence:  A025807
Score: 11.4898
Type of gen. func.: ogf


                                        1
   - ------------------------------------------------------------------------
               4    3    2            6    5    4    3    2                 3
     (x + 1) (x  + x  + x  + x + 1) (x  + x  + x  + x  + x  + x + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A025807
Score: 18.2522
Type of gen. func.: ogf_with_Euler_transform]


                                    5    3
                                x (x  + x  + 1)



------------------------------------------------------------------------------

Sequence:  A025807
Score: 5.19054
Type of gen. func.: lgdogf


         10       9       8       7       6       5       4       3      2
- x (14 x   + 28 x  + 30 x  + 32 x  + 34 x  + 27 x  + 20 x  + 13 x  + 6 x

                  /                    4    3    2
     + 4 x + 2)  /  ((x - 1) (x + 1) (x  + x  + x  + x + 1)
                /

      6    5    4    3    2
    (x  + x  + x  + x  + x  + x + 1))



------------------------------------------------------------------------------

Sequence:  A025808
Score: 18.4339
Type of gen. func.: ogf_with_Euler_transform]


                                    6    3
                                x (x  + x  + 1)



------------------------------------------------------------------------------

Sequence:  A025808
Score: 5.77992
Type of gen. func.: lgdogf


         10       9       8       7       6      5       4      3      2
```

$$- x (15 x + 15 x + 17 x + 17 x + 19 x + 9 x + 11 x + 9 x + 4 x + 2 x$$

$$+ 2) / ((x - 1) (x + 1) (x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 + 1))$$

Sequence: A025808
Score: 9.00789
Type of gen. func.: ogf

$$- \frac{1}{(x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A025809
Score: 23.7508
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^4 + x$$

Sequence: A025809
Score: 9.09595
Type of gen. func.: ogf

$$- \frac{1}{(x + 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^3}$$

Sequence: A025810
Score: 10.6715
Type of gen. func.: lgdogf

$$- \frac{x (17 x^8 + 2 x^6 + 2 x^4 + 5 x^3 + 2 x^2 + 2)}{(x^4 - x^3 + x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1) (x + 1)}$$

Sequence: A025810
Score: 11.8941
Type of gen. func.: ogf

$$1$$

$$- \frac{}{(x^4 - x^3 + x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A025810
Score: 31.4902
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^4 + x$$

Sequence: A025811
Score: 23.0431
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^4 + x$$

Sequence: A025811
Score: 9.01005
Type of gen. func.: ogf

$$- 1/((x + 1) (x^4 + x^3 + x^2 + x + 1)$$

$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3)$$

Sequence: A025812
Score: 22.9034
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^4 + x$$

Sequence: A025812
Score: 8.95544
Type of gen. func.: ogf

$$- 1/((x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1)$$

$$(x + 1)^2 (x - 1)^3)$$

Sequence: A025813
Score: 18.2092
Type of gen. func.: ogf_with_Euler_transform]

$$x (x^5 + x^4 + 1)$$

Sequence: A025813
Score: 5.16982
Type of gen. func.: lgdogf

$$- x (15 x^{10} + 15 x^9 + 17 x^8 + 17 x^7 + 19 x^6 + 19 x^5 + 12 x^4 + 4 x^3 + 4 x^2 + 2 x + 2) / ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1))$$

Sequence: A025813
Score: 8.56014
Type of gen. func.: ogf

$$- 1/((x^2 + x + 1) (x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x + 1)^2 (x - 1)^3)$$

Sequence: A025814
Score: 23.6332
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^5 + x$$

Sequence: A025814
Score: 6.80970
Type of gen. func.: lgdogf

$$- \frac{x (17 x^{10} + 2 x^8 + 17 x^7 + 2 x^6 + 2 x^5 + 8 x^4 + 2 x^3 + 2 x^2 + 2)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^6 + x^3 + 1)}$$

Sequence: A025814
Score: 9.04974
Type of gen. func.: ogf

$$-\frac{1}{(x^2-x+1)(x^6+x^3+1)(x+1)^2(x^2+x+1)^2(x-1)^3}$$

Sequence: A025815
Score: 22.5652
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10}+x^5+x$$

Sequence: A025815
Score: 8.82261
Type of gen. func.: ogf

$$-1/((x^2+x+1)(x^2-x+1)$$

$$(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x+1)^2(x-1)^3)$$

Sequence: A025816
Score: 18.3439
Type of gen. func.: ogf_with_Euler_transform]

$$x(x^6+x^5+1)$$

Sequence: A025816
Score: 8.96263
Type of gen. func.: ogf

$$-\frac{1}{(x^2+1)(x^6+x^5+x^4+x^3+x^2+x+1)(x^4+1)(x+1)^2(x-1)^3}$$

Sequence: A025817
Score: 10.7466
Type of gen. func.: ogf

$$- 1/((x + 1) (x^2 + x + 1) (x^6 + x^3 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3)$$

Sequence: A025817
Score: 23.6332
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^6 + x$$

Sequence: A025818
Score: 23.8621
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^6 + x$$

Sequence: A025818
Score: 9.01810
Type of gen. func.: ogf

$$- 1/((x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x + 1)^2 (x - 1)^3)$$

Sequence: A025819
Score: 22.7854
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^6 + x$$

Sequence: A025819
Score: 8.90813
Type of gen. func.: ogf

$$- 1/((x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3)$$

Sequence: A025820
Score: 8.46822
Type of gen. func.: ogf

$$- 1/((x^2 + x + 1) (x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x + 1)^2 (x - 1)^3)$$

Sequence: A025821
Score: 23.5711
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^7 + x$$

Sequence: A025821
Score: 8.90813
Type of gen. func.: ogf

$$- \frac{1}{(x^2 + 1) (x^2 + x + 1) (x^6 + x^3 + 1) (x^4 + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A025822
Score: 22.9419
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^7 + x$$

Sequence: A025822
Score: 8.85326
Type of gen. func.: ogf

$$- 1/((x^2 + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + 1)$$

$$(x + 1)^2 (x - 1)^3)$$

Sequence: A025823
Score: 24.2532
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^8 + x$$

Sequence: A025823
Score: 9.04681
Type of gen. func.: ogf

$$- 1/((x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^6 + x^3 + 1)$$

$$(x + 1)^2 (x - 1)^3)$$

Sequence: A025824
Score: 11.6183
Type of gen. func.: ogf

$$- 1/((x + 1) (x^2 + x + 1) (x^6 + x^3 + 1)$$

$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3)$$

Sequence: A025824
Score: 23.1606
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^8 + x$$

Sequence: A025825
Score: 23.1606
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^8 + x$$

Sequence: A025825
Score: 8.50118
Type of gen. func.: ogf

$$- 1/((x^2 + 1) (x^2 - x + 1) (x^6 + x^3 + 1) (x^4 - x^2 + 1) (x + 1)^2 (x^2 + x + 1)^2 (x - 1)^3)$$

Sequence: A025826
Score: 23.0940
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^9 + x$$

Sequence: A025826
Score: 8.79816
Type of gen. func.: ogf

$$- 1/((x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x + 1)^2 (x - 1)^3)$$

Sequence: A025827
Score: 22.4922
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^{10} + x$$

Sequence: A025827
Score: 8.85358
Type of gen. func.: ogf

$$- 1/((x^2 + x + 1) (x^2 - x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x + 1)^2 (x - 1)^3)$$

Sequence: A025828
Score: 23.1736
Type of gen. func.: ogf_with_Euler_transform]

$$x^5 + x^3 + x^2$$

Sequence: A025828
Score: 9.33440
Type of gen. func.: lgdogf

$$-\frac{x^2 (13 x^5 + 13 x^3 + 3 x^2 + 4 x + 3)}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A025828
Score: 9.71243
Type of gen. func.: ogf

$$-\frac{1}{(x^2 + 1) (x^2 - x + 1) (x + 1)^2 (x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A025829
Score: 10.7360
Type of gen. func.: ogf

$$-\frac{1}{(x + 1) (x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x - 1)^3}$$

Sequence: A025829
Score: 20.7455
Type of gen. func.: ogf_with_Euler_transform]

$$x^6 + x^3 + x^2$$

Sequence: A025829
Score: 5.46330
Type of gen. func.: lgdogf

$$-x^{2} (14 x^{9} + 28 x^{8} + 42 x^{7} + 45 x^{6} + 38 x^{5} + 31 x^{4} + 24 x^{3} + 17 x^{2} + 10 x + 3) / ((x - 1) (x + 1) (x^{2} + x + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x^{2} + 1))$$

Sequence: A025830
Score: 20.6190
Type of gen. func.: ogf_with_Euler_transform]

$$x^{7} + x^{3} + x^{2}$$

Sequence: A025830
Score: 7.62610
Type of gen. func.: lgdogf

$$-\frac{x^{2} (15 x^{7} + 15 x^{6} + 15 x^{5} + 3 x^{4} + 7 x^{3} + 7 x^{2} + 7 x + 3)}{(x - 1) (x + 1) (x^{2} + 1) (x^{2} + x + 1) (x^{4} + 1)}$$

Sequence: A025830
Score: 8.98570
Type of gen. func.: ogf

$$-\frac{1}{(x^{2} + x + 1) (x^{4} + 1) (x^{2} + 1)^{2} (x + 1)^{2} (x - 1)^{3}}$$

Sequence: A025831
Score: 20.5674
Type of gen. func.: ogf_with_Euler_transform]

$$x^{8} + x^{3} + x^{2}$$

Sequence: A025831
Score: 6.32668
Type of gen. func.: lgdogf

$$-\frac{x^2 (16 x^9 + 16 x^8 + 16 x^7 + 19 x^6 + 7 x^5 + 7 x^4 + 10 x^3 + 7 x^2 + 7 x + 3)}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A025831
Score: 8.96263
Type of gen. func.: ogf

$$-\frac{1}{(x + 1) (x^2 + 1) (x^6 + x^3 + 1) (x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A025832
Score: 18.5234
Type of gen. func.: ogf_with_Euler_transform]

$$\left(\frac{1}{x^7} + \frac{1}{x^6} + 1\right) x^9$$

Sequence: A025832
Score: 8.93221
Type of gen. func.: ogf

$$- 1/((x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^2 + 1) (x + 1)^2 (x - 1)^3)$$

Sequence: A025833
Score: 17.9253
Type of gen. func.: ogf_with_Euler_transform]

$$\left(\frac{1}{x^8} + \frac{1}{x^7} + 1\right) x^{10}$$

Sequence: A025833
Score: 8.43902
Type of gen. func.: ogf

$$- 1/((x + 1) (x^2 + x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x - 1)^3)$$

Sequence: A025834
Score: 17.8611
Type of gen. func.: ogf_with_Euler_transform]

$$\left(\frac{1}{x^8} + \frac{1}{x^9} + 1\right) x^{11}$$

Sequence: A025834
Score: 7.60624
Type of gen. func.: lgdogf

$$- \frac{x^2 (19 x^9 + 3 x^6 + 4 x^5 + 3 x^3 + 4 x + 3)}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1)}$$

Sequence: A025834
Score: 8.40938
Type of gen. func.: ogf

$$- \frac{1}{(x^2 - x + 1) (x^4 - x^2 + 1) (x^2 + x + 1)^2 (x^2 + 1)^2 (x + 1)^2 (x - 1)^3}$$

Sequence: A025835
Score: 20.6190
Type of gen. func.: ogf_with_Euler_transform]

$$x^5 + x^4 + x^2$$

Sequence: A025835
Score: 6.63022
Type of gen. func.: lgdogf

$$-\frac{x^2 (14 x^7 + 14 x^6 + 14 x^5 + 17 x^4 + 17 x^3 + 8 x^2 + 3 x + 3)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A025835
Score: 8.64447
Type of gen. func.: ogf

$$-\frac{1}{(x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A025836
Score: 10.7466
Type of gen. func.: ogf

$$-\frac{1}{(x + 1) (x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1) (x^4 + 1) (x - 1)^3}$$

Sequence: A025836
Score: 20.7686
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 + x^4 + x^2$$

Sequence: A025837
Score: 24.0733
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^4 + x^2$$

Sequence: A025837
Score: 6.64045
Type of gen. func.: lgdogf

$$- x^{2} \left(17 x^{10} + 17 x^{9} + 17 x^{8} + 20 x^{7} + 20 x^{6} + 8 x^{5} + 11 x^{4} + 11 x^{3} + 8 x^{2} + 3 x + 3\right) / \left((x - 1) (x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{6} + x^{3} + 1)\right)$$

Sequence: A025837
Score: 9.96068
Type of gen. func.: ogf

$$- \frac{1}{(x^{4} + x^{3} + x^{2} + x + 1) (x^{6} + x^{3} + 1) (x^{2} + x + 1)^{2} (x - 1)^{3}}$$

Sequence: A025838
Score: 18.4746
Type of gen. func.: ogf_with_Euler_transform]

$$\left(\frac{1}{x^{7}} + \frac{1}{x^{5}} + 1\right) x^{9}$$

Sequence: A025838
Score: 5.66881
Type of gen. func.: lgdogf

$$- x^{2} \left(18 x^{9} + 18 x^{8} + 18 x^{7} + 3 x^{6} + 3 x^{5} + 8 x^{4} + 8 x^{3} + 8 x^{2} + 3 x + 3\right) / \left((x^{4} - x^{3} + x^{2} - x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{2} + x + 1) (x - 1) (x + 1)\right)$$

Sequence: A025838
Score: 8.90813
Type of gen. func.: ogf

$$- 1/\left((x + 1) (x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x^{4} + x^{3} + x^{2} + x + 1)^{2} (x - 1)^{3}\right)$$

Sequence: A025839
Score: 18.0507
Type of gen. func.: ogf_with_Euler_transform]

$$\left(\frac{1}{x^{6}} + \frac{1}{x^{8}} + 1\right) x^{10}$$

Sequence: A025839
Score: 8.93840
Type of gen. func.: ogf

$$- 1/((x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1)$$

$$(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{3})$$

Sequence: A025840
Score: 18.2238
Type of gen. func.: ogf_with_Euler_transform]

$$\left(\frac{1}{x^{7}} + \frac{1}{x^{9}} + 1\right) x^{11}$$

Sequence: A025840
Score: 8.57799
Type of gen. func.: ogf

$$- 1/((x + 1) (x^{2} - x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1)$$

$$(x^{2} + x + 1)^{2} (x - 1)^{3})$$

Sequence: A025841
Score: 20.2590
Type of gen. func.: ogf_with_Euler_transform]

$$x^{6} + x^{5} + x^{2}$$

Sequence: A025841
Score: 5.43473
Type of gen. func.: lgdogf

$$-x^2 (16 x^9 + 16 x^8 + 16 x^7 + 19 x^6 + 19 x^5 + 19 x^4 + 12 x^3 + 3 x^2 + 3 x + 3) \Big/ ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1))$$

Sequence: A025841
Score: 8.38628
Type of gen. func.: ogf

$$- 1/((x + 1) (x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x - 1)^3)$$

Sequence: A025842
Score: 20.4582
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 + x^5 + x^2$$

Sequence: A025842
Score: 6.83327
Type of gen. func.: lgdogf

$$-\frac{x^2 (17 x^9 + 17 x^7 + 3 x^6 + 17 x^5 + 3 x^4 + 9 x^3 + 3 x^2 + 3)}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A025842
Score: 8.91392
Type of gen. func.: ogf

$$-\frac{1}{(x^2 + 1) (x^2 - x + 1) (x^4 + 1) (x + 1)^2 (x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A025843
Score: 17.9126
Type of gen. func.: ogf_with_Euler_transform]

$$\left(\frac{1}{x^4}+\frac{1}{x^7}+1\right)x^9$$

Sequence: A025843
Score: 5.12158
Type of gen. func.: lgdogf

$$-x^2\left(19x^{11}+19x^9+3x^8+19x^7+3x^6+9x^5+3x^4+9x^3+3x^2+3\right) / \left((x-1)(x+1)(x^2+x+1)(x^2-x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)\right)$$

Sequence: A025843
Score: 8.20960
Type of gen. func.: ogf

$$-1/\left((x^2-x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x+1)^2(x^2+x+1)^2(x-1)^3\right)$$

Sequence: A025844
Score: 17.6116
Type of gen. func.: ogf_with_Euler_transform]

$$\left(\frac{1}{x^5}+\frac{1}{x^8}+1\right)x^{10}$$

Sequence: A025844
Score: 8.28935
Type of gen. func.: ogf

$$- 1/((x + 1) (x^2 - x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x - 1)^3)$$

Sequence: A025845
Score: 20.6573
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 + x^6 + x^2$$

Sequence: A025845
Score: 8.88322
Type of gen. func.: ogf

$$- 1/((x + 1) (x^2 + 1) (x^2 + x + 1) (x^4 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3)$$

Sequence: A025846
Score: 20.9259
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^6 + x^2$$

Sequence: A025846
Score: 8.55335
Type of gen. func.: ogf

$$- \frac{1}{(x^6 + x^3 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A025847
Score: 10.6249
Type of gen. func.: ogf

$$- 1/((x + 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)$$

```
      6    5    4    3    2                 3
    (x  + x  + x  + x  + x  + x + 1) (x - 1) )



------------------------------------------------------------------------------

Sequence:  A025847
Score: 20.5384
Type of gen. func.: ogf_with_Euler_transform]


                                   9    6    2
                                  x  + x  + x



------------------------------------------------------------------------------

Sequence:  A025848
Score: 8.42395
Type of gen. func.: ogf


       2            6    5    4    3    2
- 1/((x  + x + 1) (x  + x  + x  + x  + x  + x + 1)

      10   9    8    7    6    5    4    3    2                 3
    (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x - 1) )



------------------------------------------------------------------------------

Sequence:  A025848
Score: 9.69780
Type of gen. func.: ogf_with_Euler_transform]


                                /   1       14
                                |- --- + 1| x
                                |   12    |
                                  x      /
                            ------------------------
                                          2
                            (x - 1) (x  + 1) (x + 1)



------------------------------------------------------------------------------

Sequence:  A025849
Score: 16.2425
Type of gen. func.: ogf_with_Euler_transform]


                                11    2   4
                               x   + x  (x  + 1)



------------------------------------------------------------------------------

Sequence:  A025849
Score: 8.34570
Type of gen. func.: ogf


               2            6    5    4    3    2            2
- 1/((x + 1) (x  - x + 1) (x  + x  + x  + x  + x  + x + 1) (x  + 1)
```

$$(x^4 - x^2 + 1) (x^2 + x + 1)^2 (x - 1)^3)$$

Sequence: A025850
Score: 20.7354
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^7 + x^2$$

Sequence: A025850
Score: 8.91525
Type of gen. func.: ogf

$$- \frac{1}{(x + 1) (x^2 + 1) (x^6 + x^3 + 1) (x^4 + 1) (x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A025851
Score: 20.7354
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^7 + x^2$$

Sequence: A025851
Score: 8.37163
Type of gen. func.: ogf

$$- 1/((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^2 + x + 1)$$

$$(x^4 + 1) (x + 1)^2 (x - 1)^3)$$

Sequence: A025852
Score: 10.7937
Type of gen. func.: ogf

$$- 1/((x + 1) (x^2 + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)$$

$$(x^2 + x + 1) (x^4 + 1) (x - 1)^3)$$

Sequence: A025852
Score: 20.2544
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^{7} + x^{2}$$

Sequence: A025853
Score: 16.9004
Type of gen. func.: ogf_with_Euler_transform]

$$x^{2} + x^{7} (x^{4} + 1)$$

Sequence: A025853
Score: 5.90034
Type of gen. func.: lgdogf

$$- \frac{x^{2} (23 x^{13} + 3 x^{10} + 23 x^{9} + 3 x^{7} + 3 x^{6} + 8 x^{5} + 3 x^{4} + 3 x^{3} + 3)}{(x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1)}$$

Sequence: A025853
Score: 8.47573
Type of gen. func.: ogf

$$- 1/((x^{2} - x + 1) (x^{4} - x^{2} + 1) (x^{4} + 1) (x^{2} + x + 1)^{2} (x^{2} + 1)^{2} (x + 1)^{2} (x - 1)^{3})$$

Sequence: A025854
Score: 20.3465
Type of gen. func.: ogf_with_Euler_transform]

$$x^{9} + x^{8} + x^{2}$$

Sequence: A025854

Score: 8.63497
Type of gen. func.: ogf

$$- 1/((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^6 + x^3 + 1) (x^2 + x + 1)^2 (x - 1)^3)$$

Sequence: A025855
Score: 19.9366
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^8 + x^2$$

Sequence: A025855
Score: 8.71699
Type of gen. func.: ogf

$$- 1/((x^6 + x^3 + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x - 1)^3)$$

Sequence: A025856
Score: 20.3799
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^9 + x^2$$

Sequence: A025856
Score: 8.79759
Type of gen. func.: ogf

$$- 1/((x + 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3)$$

Sequence: A025857
Score: 19.9978
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^{9} + x^{2}$$

Sequence: A025857
Score: 8.63263
Type of gen. func.: ogf

$$- 1/((x^{2} - x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1) (x + 1)^{2} (x^{2} + x + 1)^{2} (x - 1)^{3})$$

Sequence: A025858
Score: 19.5429
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^{10} + x^{2}$$

Sequence: A025858
Score: 8.26511
Type of gen. func.: ogf

$$- 1/((x + 1) (x^{2} + 1) (x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x^{2} + x + 1)^{2} (x - 1)^{3})$$

Sequence: A025859
Score: 20.7140
Type of gen. func.: ogf_with_Euler_transform]

$$x^{6} + x^{4} + x^{3}$$

Sequence: A025859
Score: 8.57408
Type of gen. func.: ogf

$$- 1/((x + 1) (x^{2} + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)$$

```
           3
    (x - 1) )



------------------------------------------------------------------------------

Sequence:  A025860
Score: 20.6573
Type of gen. func.: ogf_with_Euler_transform]


                                   7    4    3
                                  x  + x  + x



------------------------------------------------------------------------------

Sequence:  A025860
Score: 6.59529
Type of gen. func.: lgdogf


         3      8       7       6       5       4      3      2
        x  (17 x  + 17 x  + 17 x  + 17 x  + 21 x  + 9 x  + 9 x  + 9 x + 4)
      - ------------------------------------------------------------------
                               2        4    3    2            4
             (x - 1) (x + 1) (x  + 1) (x  + x  + x  + x + 1) (x  + 1)



------------------------------------------------------------------------------

Sequence:  A025860
Score: 8.55010
Type of gen. func.: ogf


                                        1
         - -----------------------------------------------------------
             4    3    2            4        2     2        2        3
           (x  + x  + x  + x + 1) (x  + 1) (x  + 1)  (x + 1)  (x - 1)



------------------------------------------------------------------------------

Sequence:  A025861
Score: 11.3672
Type of gen. func.: ogf


- 1/(

              2        4    3    2            2            6    3            3
    (x + 1) (x  + 1) (x  + x  + x  + x + 1) (x  + x + 1) (x  + x  + 1) (x - 1)

    )



------------------------------------------------------------------------------

Sequence:  A025861
Score: 20.5988
Type of gen. func.: ogf_with_Euler_transform]


                                   8    4    3
                                  x  + x  + x
```

Sequence: A025862
Score: 18.4937
Type of gen. func.: ogf_with_Euler_transform]

$$\left(\frac{1}{x^5} + \frac{1}{x^6} + 1\right) x^9$$

Sequence: A025862
Score: 6.95055
Type of gen. func.: lgdogf

$$- \frac{x^3 (19 x^8 + 19 x^6 + 4 x^4 + 5 x^3 + 4 x^2 + 5 x + 4)}{(x - 1) (x + 1) (x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A025862
Score: 8.47499
Type of gen. func.: ogf

$$- \frac{1}{(x^2 + 1) (x^4 - x^3 + x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1)^2 (x + 1)^2 (x - 1)^3}$$

Sequence: A025863
Score: 18.2321
Type of gen. func.: ogf_with_Euler_transform]

$$\left(\frac{1}{x^7} + \frac{1}{x^6} + 1\right) x^{10}$$

Sequence: A025863
Score: 9.02669
Type of gen. func.: ogf

$$- 1/((x + 1) (x^2 + 1) (x^4 + x^3 + x^2 + x + 1)$$

10   9   8   7   6   5   4   3   2   3

```
    (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x - 1) )
```

Sequence: A025864
Score: 18.1780
Type of gen. func.: ogf_with_Euler_transform]

```
                              / 1      1        11
                              |---- + ---- + 1| x
                              |  8      7     |
                               x      x      /
```

Sequence: A025864
Score: 8.99942
Type of gen. func.: ogf

```
       2            2            4    3    2            4    2         2     2
- 1/((x  + x + 1) (x  - x + 1) (x  + x  + x  + x + 1) (x  - x  + 1) (x  + 1)

           2        3
    (x + 1)  (x - 1) )
```

Sequence: A025865
Score: 20.5384
Type of gen. func.: ogf_with_Euler_transform]

```
                                   8    5    3
                                  x  + x  + x
```

Sequence: A025865
Score: 5.98734
Type of gen. func.: lgdogf

```
       3      10       8       7      6       5       4      3       2
     x  (19 x   + 19 x  + 19 x  + 4 x  + 19 x  + 10 x  + 4 x  + 10 x  + 4)
    - ---------------------------------------------------------------------
                           2        2             2             6    3
          (x - 1) (x + 1) (x  + 1) (x  + x + 1) (x  - x + 1) (x  + x  + 1)
```

Sequence: A025865
Score: 8.39495
Type of gen. func.: ogf

```
                                          1
     - ---------------------------------------------------------------------
           2        2            6    3            2   2          2       3
         (x  + 1) (x  - x + 1) (x  + x  + 1) (x + 1)  (x  + x + 1)  (x - 1)
```

Sequence: A025866
Score: 18.1224
Type of gen. func.: ogf_with_Euler_transform]

$$\left(\frac{1}{x^7} + \frac{1}{x^5} + 1\right) x^{10}$$

Sequence: A025866
Score: 8.42437
Type of gen. func.: ogf

$$- 1/((x^2 + x + 1) (x^2 - x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x + 1)^2 (x - 1)^3)$$

Sequence: A025867
Score: 20.2170
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 + x^6 + x^3$$

Sequence: A025867
Score: 5.35476
Type of gen. func.: lgdogf

$$- x^3 (19 x^{10} + 19 x^9 + 19 x^8 + 19 x^7 + 23 x^6 + 23 x^5 + 23 x^4 + 11 x^3 + 4 x^2 + 4 x + 4) \Big/ ((x - 1) (x + 1) (x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + 1))$$

Sequence: A025867
Score: 8.69236
Type of gen. func.: ogf

$$-\frac{1}{(x^4+1)(x^6+x^5+x^4+x^3+x^2+x+1)(x^2+1)^2(x+1)^2(x-1)^3}$$

Sequence: A025868
Score: 20.6722
Type of gen. func.: ogf_with_Euler_transform]

$$x^8+x^6+x^3$$

Sequence: A025868
Score: 8.88762
Type of gen. func.: ogf

$$-1/((x+1)(x^2+1)(x^2+x+1)(x^6+x^3+1)$$
$$(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^3)$$

Sequence: A025869
Score: 10.9684
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(-\frac{1}{x^9}+1\right)x^{12}}{(x-1)(x^2+x+1)}$$

Sequence: A025869
Score: 8.31906
Type of gen. func.: ogf

$$-1/((x^2+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)$$
$$(x^6+x^5+x^4+x^3+x^2+x+1)(x+1)^2(x-1)^3)$$

Sequence: A025870

Score: 11.2599
Type of gen. func.: ogf

$$- 1/((x + 1) (x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3)$$

Sequence: A025870
Score: 17.7244
Type of gen. func.: ogf_with_Euler_transform]

$$\left(\frac{1}{x^4} + \frac{1}{x^7} + 1\right) x^{10}$$

Sequence: A025871
Score: 17.8928
Type of gen. func.: ogf_with_Euler_transform]

$$\left(\frac{1}{x^5} + \frac{1}{x^8} + 1\right) x^{11}$$

Sequence: A025871
Score: 8.31680
Type of gen. func.: ogf

$$- 1/((x^2 + x + 1) (x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 - x^2 + 1) (x^2 + 1)^2 (x + 1)^2 (x - 1)^3)$$

Sequence: A025872
Score: 20.2791
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^7 + x^3$$

Sequence: A025872
Score: 8.71770

Type of gen. func.: ogf

$$-\frac{1}{(x^2+x+1)(x^6+x^3+1)(x^4+1)(x^2+1)^2(x+1)^2(x-1)^3}$$

Sequence: A025873
Score: 19.2335
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10}+x^7+x^3$$

Sequence: A025873
Score: 7.99896
Type of gen. func.: ogf

$$-1/((x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x^4+1)(x^2+1)^2(x+1)^2(x-1)^3)$$

Sequence: A025874
Score: 19.6625
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11}+x^8+x^3$$

Sequence: A025874
Score: 5.34475
Type of gen. func.: lgdogf

$$-x^3(25x^{14}+25x^{11}+4x^{10}+25x^8+4x^7+4x^6+9x^5+4x^4+4x^3+4) \Big/ ((x-1)(x+1)(x^2+1)(x^2+x+1)(x^2-x+1)(x^6+x^3+1)(x^4-x^2+1))$$

Sequence: A025874

Score: 8.59553
Type of gen. func.: ogf

$$- 1/((x^2 - x + 1) (x^6 + x^3 + 1) (x^4 - x^2 + 1) (x^2 + x + 1)^2 (x^2 + 1)^2 (x + 1)^2 (x - 1)^3)$$

Sequence: A025875
Score: 18.7262
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^{10} + x^3$$

Sequence: A025875
Score: 8.32030
Type of gen. func.: ogf

$$- 1/((x^2 + x + 1) (x^2 - x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 - x^2 + 1) (x^2 + 1)^2 (x + 1)^2 (x - 1)^3)$$

Sequence: A025876
Score: 15.4038
Type of gen. func.: egf]_with_Euler_transform]

$$\frac{x^4 (x^2 + 6 x + 30)}{720}$$

Sequence: A025876
Score: 8.83105
Type of gen. func.: ogf

$$- 1/((x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3)$$

Sequence: A025877
Score: 20.9322
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 + x^5 + x^4$$

Sequence: A025877
Score: 8.99942
Type of gen. func.: ogf

$$- 1/((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 + 1) (x + 1)^2 (x - 1)^3)$$

Sequence: A025878
Score: 20.9333
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^5 + x^4$$

Sequence: A025878
Score: 8.55453
Type of gen. func.: ogf

$$- 1/((x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^6 + x^3 + 1) (x^2 + x + 1)^2 (x - 1)^3)$$

Sequence: A025879
Score: 20.3413
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^5 + x^4$$

Sequence: A025879
Score: 5.87692
Type of gen. func.: lgdogf

$$-x^{4}\,(21\,x^{9}+21\,x^{7}+21\,x^{5}+5\,x^{4}+6\,x^{3}+5\,x^{2}+6\,x+5)\Big/\big((x-1)\,(x+1)\,(x^{2}+x+1)\,(x^{2}-x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{4}-x^{3}+x^{2}-x+1)\big)$$

Sequence: A025879
Score: 8.21087
Type of gen. func.: ogf

$$-1/((x^{2}+x+1)\,(x^{2}-x+1)\,(x^{4}-x^{3}+x^{2}-x+1)\,(x^{4}+x^{3}+x^{2}+x+1)^{2}\,(x+1)^{2}\,(x-1)^{3})$$

Sequence: A025880
Score: 11.2215
Type of gen. func.: ogf

$$-1/((x+1)\,(x^{2}+x+1)\,(x^{2}-x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)\,(x-1)^{3})$$

Sequence: A025880
Score: 17.6648
Type of gen. func.: ogf_with_Euler_transform]

$$\left(\frac{1}{x^{5}}+\frac{1}{x^{6}}+1\right)x^{10}$$

Sequence: A025881
Score: 17.6648
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11}+x^{4}\,(x+1)$$

Sequence: A025881
Score: 8.21087
Type of gen. func.: ogf

$$- 1/((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^2 + 1) (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2 (x - 1)^3)$$

Sequence: A025882
Score: 20.6074
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 + x^6 + x^4$$

Sequence: A025882
Score: 8.42177
Type of gen. func.: ogf

$$- 1/((x + 1) (x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x - 1)^3)$$

Sequence: A025883
Score: 20.7350
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^6 + x^4$$

Sequence: A025883
Score: 8.91327
Type of gen. func.: ogf

$$- 1/((x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^6 + x^3 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3)$$

Sequence: A025884

Score: 20.4028
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^6 + x^4$$

Sequence: A025884
Score: 8.23524
Type of gen. func.: ogf

$$- 1/((x + 1) (x^4 - x^3 + x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1)^2 (x - 1)^3)$$

Sequence: A025885
Score: 8.79492
Type of gen. func.: ogf

$$- 1/((x^4 + x^3 + x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3)$$

Sequence: A025886
Score: 10.4758
Type of gen. func.: ogf

$$- 1/((x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3)$$

Sequence: A025886
Score: 15.9173
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^4 (x^2 + 1)$$

Sequence: A025887
Score: 20.6660
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^7 + x^4$$

Sequence: A025887
Score: 8.44448
Type of gen. func.: ogf

$$- 1/((x + 1) (x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1) (x^6 + x^3 + 1) (x^4 + 1) (x - 1)^3)$$

Sequence: A025888
Score: 20.0078
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^7 + x^4$$

Sequence: A025888
Score: 5.64630
Type of gen. func.: lgdogf

$$- x^4 (23 x^{11} + 23 x^9 + 23 x^7 + 5 x^6 + 23 x^5 + 5 x^4 + 8 x^3 + 5 x^2 + 5) / ((x - 1) (x + 1) (x^2 + 1) (x^4 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1))$$

Sequence: A025888
Score: 8.07585
Type of gen. func.: ogf

$$- 1/((x^2 + 1) (x^4 - x^3 + x^2 - x + 1) (x^4 + 1) (x^4 + x^3 + x^2 + x + 1)^2 (x + 1)^2 (x - 1)^3)$$

Sequence: A025889

Score: 10.7827
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(-\frac{1}{x^9}+1\right)x^{13}}{(x^2+x+1)(x-1)}$$

Sequence: A025889
Score: 8.17623
Type of gen. func.: ogf

$$-1/((x+1)(x^2+1)(x^4+x^3+x^2+x+1)$$

$$(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x^4+1)(x-1)^3)$$

Sequence: A025890
Score: 19.6625
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11}+x^7+x^4$$

Sequence: A025890
Score: 8.59553
Type of gen. func.: ogf

$$-1/((x^2+x+1)(x^2-x+1)(x^4+x^3+x^2+x+1)(x^4-x^2+1)(x^4+1)$$

$$(x^2+1)^2(x+1)^2(x-1)^3)$$

Sequence: A025891
Score: 19.6712
Type of gen. func.: ogf_with_Euler_transform]

$$x^9+x^8+x^4$$

Sequence: A025891

Score: 8.34677
Type of gen. func.: ogf

$$- 1/((x + 1) (x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^6 + x^3 + 1) (x^4 + x^3 + x^2 + x + 1)^2 (x - 1)^3)$$

Sequence: A025892
Score: 19.6625
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^8 + x^4$$

Sequence: A025892
Score: 8.17623
Type of gen. func.: ogf

$$- 1/((x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^6 + x^3 + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3)$$

Sequence: A025893
Score: 19.6625
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^8 + x^4$$

Sequence: A025893
Score: 8.17623
Type of gen. func.: ogf

$$- 1/((x + 1) (x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 - x + 1) (x^6 + x^3 + 1) (x^4 - x^2 + 1) (x^2 + x + 1)^2 (x - 1)^3)$$

Sequence: A025894
Score: 18.6344
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^{9} + x^{4}$$

Sequence: A025894
Score: 8.04296
Type of gen. func.: ogf

$$- 1/((x + 1) (x^{4} - x^{3} + x^{2} - x + 1)$$
$$(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)$$
$$(x^{4} + x^{3} + x^{2} + x + 1)^{2} (x - 1)^{3})$$

Sequence: A025895
Score: 15.2398
Type of gen. func.: ogf_with_Euler_transform]

$$x^{4} + x^{9} (x^{2} + 1)$$

Sequence: A025895
Score: 7.54976
Type of gen. func.: ogf

$$- 1/((x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1)$$
$$(x^{4} + x^{3} + x^{2} + x + 1)^{2} (x + 1)^{2} (x - 1)^{3})$$

Sequence: A025896
Score: 17.3628
Type of gen. func.: ogf_with_Euler_transform]

$$x^{4} + x^{10} (x + 1)$$

Sequence: A025896
Score: 8.37578
Type of gen. func.: ogf

$$- 1/((x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x - 1)^3)$$

Sequence: A025897
Score: 15.1551
Type of gen. func.: egf]_with_Euler_transform]

$$\frac{x^5 (x^2 + 7 x + 42)}{5040}$$

Sequence: A025897
Score: 8.88316
Type of gen. func.: ogf

$$- 1/((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x + 1)^2 (x - 1)^3)$$

Sequence: A025898
Score: 20.7274
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^6 + x^5$$

Sequence: A025898
Score: 8.90914
Type of gen. func.: ogf

$$- 1/((x + 1) (x^2 - x + 1) (x^6 + x^3 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x - 1)^3)$$

Sequence: A025899
Score: 20.6556

Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^6 + x^5$$

Sequence: A025899
Score: 8.76406
Type of gen. func.: ogf

$$-1/((x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x + 1)^2 (x - 1)^3)$$

Sequence: A025900
Score: 8.17623
Type of gen. func.: ogf

$$-1/((x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3)$$

Sequence: A025901
Score: 17.3628
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^5 (x + 1)$$

Sequence: A025901
Score: 8.48317
Type of gen. func.: ogf

$$-1/((x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2 (x - 1)^3)$$

Sequence: A025902
Score: 20.5232
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^7 + x^5$$

Sequence: A025902
Score: 8.38537
Type of gen. func.: ogf

$$- 1/((x^2 + 1) (x^2 - x + 1) (x^6 + x^3 + 1) (x^4 + 1) (x + 1)^2 (x^2 + x + 1)^2$$

$$(x - 1)^3)$$

Sequence: A025903
Score: 19.5340
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^7 + x^5$$

Sequence: A025903
Score: 8.53935
Type of gen. func.: ogf

$$- 1/((x^2 + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)$$

$$(x^2 + x + 1) (x^2 - x + 1) (x^4 + 1) (x + 1)^2 (x - 1)^3)$$

Sequence: A025904
Score: 20.1259
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^8 + x^5$$

Sequence: A025904
Score: 8.12279
Type of gen. func.: ogf

$$- 1/((x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^6 + x^3 + 1)$$

2   2   2   3

$$(x + 1) (x + x + 1) (x - 1))$$

Sequence: A025905
Score: 8.01590
Type of gen. func.: ogf

$$- 1/((x + 1) (x^2 - x + 1) (x^6 + x^3 + 1)$$

$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2$$

$$(x - 1)^3)$$

Sequence: A025906
Score: 19.2770
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^9 + x^5$$

Sequence: A025906
Score: 7.91933
Type of gen. func.: ogf

$$- 1/((x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)$$

$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x + 1)^2 (x - 1)^3)$$

Sequence: A025907
Score: 15.8680
Type of gen. func.: ogf_with_Euler_transform]

$$x^5 + x^{10} (x + 1)$$

Sequence: A025907
Score: 7.65468
Type of gen. func.: ogf

$$- 1/((x^2 + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)$$

$$(x^4 - x^2 + 1) (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2 (x - 1)^3)$$

Sequence: A025908
Score: 14.3432
Type of gen. func.: egf]_with_Euler_transform]

$$\frac{x^6 (x^2 + 8 x + 56)}{40320}$$

Sequence: A025908
Score: 8.16898
Type of gen. func.: ogf

$$- 1/((x + 1) (x^2 + 1) (x^2 + x + 1) (x^6 + x^3 + 1) (x^4 + 1)$$

$$(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3)$$

Sequence: A025909
Score: 20.1259
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^7 + x^6$$

Sequence: A025909
Score: 8.53935
Type of gen. func.: ogf

$$- 1/((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)$$

$$(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x + 1)^2 (x - 1)^3)$$

Sequence: A025910
Score: 19.4055
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^7 + x^6$$

Sequence: A025910
Score: 8.06935
Type of gen. func.: ogf

$$- 1/((x + 1) (x^{2} + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x^{4} + 1) (x - 1)^{3})$$

Sequence: A025911
Score: 17.2478
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^{6} (x + 1)$$

Sequence: A025911
Score: 8.42697
Type of gen. func.: ogf

$$- 1/((x^{2} + x + 1) (x^{2} - x + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{2} + 1) (x^{4} + 1) (x^{2} + 1)^{2} (x + 1)^{2} (x - 1)^{3})$$

Sequence: A025912
Score: 19.9935
Type of gen. func.: ogf_with_Euler_transform]

$$x^{9} + x^{8} + x^{6}$$

Sequence: A025912
Score: 8.48317
Type of gen. func.: ogf

$$- 1/((x + 1) (x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x^{6} + x^{3} + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{3})$$

Sequence: A025913
Score: 19.0200
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^{8} + x^{6}$$

Sequence: A025913
Score: 7.90902
Type of gen. func.: ogf

$$- 1/((x^{2} + x + 1) (x^{6} + x^{3} + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)$$
$$(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{3})$$

Sequence: A025914
Score: 15.3971
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^{6} (x^{2} + 1)$$

Sequence: A025914
Score: 8.31462
Type of gen. func.: ogf

$$- 1/((x + 1) (x^{2} + 1) (x^{2} - x + 1) (x^{6} + x^{3} + 1) (x^{4} - x^{2} + 1)$$
$$(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x^{2} + x + 1)^{2} (x - 1)^{3})$$

Sequence: A025915
Score: 19.0200
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^{9} + x^{6}$$

Sequence: A025915
Score: 7.81373
Type of gen. func.: ogf

```
               4    3    2            4    3    2
- 1/((x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1)

      6    5    4    3    2
    (x  + x  + x  + x  + x  + x + 1)

      10    9    8    7    6    5    4    3    2                 3
    (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x - 1) )



-------------------------------------------------------------------------------

Sequence:  A025916
Score: 15.7727
Type of gen. func.: ogf_with_Euler_transform]


                                 6    9   2
                                x  + x  (x  + 1)



-------------------------------------------------------------------------------

Sequence:  A025916
Score: 7.81373
Type of gen. func.: ogf


       2        2            2            4    3    2
- 1/((x  + 1) (x  + x + 1) (x  - x + 1) (x  + x  + x  + x + 1)

      4    3    2            4    2        6    5    4    3    2
    (x  - x  + x  - x + 1) (x  - x  + 1) (x  + x  + x  + x  + x  + x + 1)

           2        3
    (x + 1)  (x - 1) )



-------------------------------------------------------------------------------

Sequence:  A025917
Score: 17.0179
Type of gen. func.: ogf_with_Euler_transform]


                                 6    10
                                x  + x   (x + 1)



-------------------------------------------------------------------------------

Sequence:  A025917
Score: 7.81373
Type of gen. func.: ogf


               2            2            6    5    4    3    2
- 1/((x + 1) (x  + x + 1) (x  - x + 1) (x  + x  + x  + x  + x  + x + 1)

      10    9    8    7    6    5    4    3    2            2
    (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x  + 1)

      4    2             3
    (x  - x  + 1) (x - 1) )
```

Sequence: A025918
Score: 13.6661
Type of gen. func.: egf]_with_Euler_transform]

$$\frac{x^{7} (x^{2} + 9 x + 72)}{362880}$$

Sequence: A025918
Score: 7.85559
Type of gen. func.: ogf

$$- 1/((x^{2} + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x^{2} + x + 1) (x^{6} + x^{3} + 1) (x^{4} + 1) (x + 1)^{2} (x - 1)^{3})$$

Sequence: A025919
Score: 19.1485
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^{8} + x^{7}$$

Sequence: A025919
Score: 7.96246
Type of gen. func.: ogf

$$- 1/((x + 1) (x^{2} + 1) (x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x^{2} + x + 1) (x^{6} + x^{3} + 1) (x^{4} + 1) (x - 1)^{3})$$

Sequence: A025920
Score: 18.8914
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^{8} + x^{7}$$

```
Sequence:  A025920
Score: 8.25844
Type of gen. func.: ogf


       2            6    3        4    2        4        2         2   2     2
- 1/((x  - x + 1) (x  + x  + 1) (x  - x  + 1) (x  + 1) (x  + x + 1)  (x  + 1)

           2        3
    (x + 1)  (x - 1) )



------------------------------------------------------------------------------

Sequence:  A025921
Score: 19.0200
Type of gen. func.: ogf_with_Euler_transform]


                                  10    9    7
                                 x   + x  + x



------------------------------------------------------------------------------

Sequence:  A025921
Score: 7.81373
Type of gen. func.: ogf


       2        4    3    2            4    3    2
- 1/((x  + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1)

      10    9    8    7    6    5    4    3    2            4             2
    (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x  + 1) (x + 1)

           3
    (x - 1) )



------------------------------------------------------------------------------

Sequence:  A025922
Score: 17.9772
Type of gen. func.: ogf_with_Euler_transform]


                                  11    10    7
                                 x   + x   + x



------------------------------------------------------------------------------

Sequence:  A025922
Score: 7.98749
Type of gen. func.: ogf


       2            2            4    2        4
- 1/((x  + x + 1) (x  - x + 1) (x  - x  + 1) (x  + 1)

      10    9    8    7    6    5    4    3    2            2     2        2
    (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x  + 1)  (x + 1)

           3
    (x - 1) )
```

Sequence: A025923
Score: 12.7517
Type of gen. func.: egf]_with_Euler_transform]

$$\frac{x^8 (x^2 + 10 x + 90)}{3628800}$$

Sequence: A025923
Score: 7.54976
Type of gen. func.: ogf

$$- 1/((x + 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^3)$$

Sequence: A025924
Score: 18.6344
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^9 + x^8$$

Sequence: A025924
Score: 8.04296
Type of gen. func.: ogf

$$- 1/((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^2 - x + 1) (x^6 + x^3 + 1) (x^4 - x^2 + 1) (x + 1)^2 (x^2 + x + 1)^2 (x - 1)^3)$$

Sequence: A025925
Score: 17.9772
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^{10} + x^8$$

Sequence: A025925
Score: 7.60255
Type of gen. func.: ogf

```
               2        10    9    8    7    6    5    4    3    2
- 1/((x + 1) (x  + 1) (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1)

      2            6    3        4    2        2         2        3
    (x  - x + 1) (x  + x  + 1) (x  - x  + 1) (x  + x + 1)  (x - 1) )
```

Sequence: A025926
Score: 11.8232
Type of gen. func.: egf]_with_Euler_transform]

```
                               9   2
                              x  (x  + 11 x + 110)
                              --------------------
                                    39916800
```

Sequence: A025927
Score: 3.82725
Type of gen. func.: ogf

```
(150250705451 f(x) + 39128616000)

               4             3             2
    (240 f(x) x  - 284 f(x) x  + 116 f(x) x  - 19 f(x) x + f(x) - 1)
```

Sequence: A025927
Score: 8.90803
Type of gen. func.: lgdogf

```
                                3        2
                           960 x  - 852 x  + 232 x - 19
                  - ------------------------------------------
                    (-1 + 4 x) (3 x - 1) (-1 + 2 x) (10 x - 1)
```

Sequence: A025927
Score: 9.90984
Type of gen. func.: ogf

```
                                       1
                   ------------------------------------------
                   (-1 + 4 x) (3 x - 1) (-1 + 2 x) (10 x - 1)
```

Sequence: A025928
Score: 3.39215
Type of gen. func.: ogf

$(1048381991773 f(x) + 248773738752)$

$(264 f(x) x^4 - 310 f(x) x^3 + 125 f(x) x^2 - 20 f(x) x + f(x) - 1)$

Sequence: A025928
Score: 7.73511
Type of gen. func.: lgdogf

$$- \frac{2 (528 x^3 - 465 x^2 + 125 x - 10)}{(11 x - 1) (3 x - 1) (-1 + 2 x) (-1 + 4 x)}$$

Sequence: A025928
Score: 8.90438
Type of gen. func.: ogf

$$\frac{1}{(11 x - 1) (3 x - 1) (-1 + 2 x) (-1 + 4 x)}$$

Sequence: A025929
Score: 3.87703
Type of gen. func.: ogf

$(132187 f(x) + 28800)$

$(288 f(x) x^4 - 336 f(x) x^3 + 134 f(x) x^2 - 21 f(x) x + f(x) - 1)$

Sequence: A025929
Score: 8.69502
Type of gen. func.: lgdogf

$$- \frac{(24 x - 7) (48 x^2 - 28 x + 3)}{(12 x - 1) (-1 + 4 x) (3 x - 1) (-1 + 2 x)}$$

Sequence: A025929
Score: 9.20793
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (-1 + 4 x) (3 x - 1) (-1 + 2 x)}$$

Sequence: A025930
Score: 4.06508
Type of gen. func.: ogf

(2738263 f(x) + 970250)

$$(180 f(x) x^4 - 216 f(x) x^3 + 91 f(x) x^2 - 16 f(x) x + f(x) - 1)$$

Sequence: A025930
Score: 8.88239
Type of gen. func.: lgdogf

$$- \frac{2 (360 x^3 - 324 x^2 + 91 x - 8)}{(6 x - 1) (3 x - 1) (-1 + 2 x) (5 x - 1)}$$

Sequence: A025930
Score: 9.90402
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (3 x - 1) (-1 + 2 x) (5 x - 1)}$$

Sequence: A025931
Score: 10.1478
Type of gen. func.: ogf

$$\frac{1}{(3 x - 1) (-1 + 2 x) (7 x - 1) (5 x - 1)}$$

Sequence: A025931
Score: 4.60684

Type of gen. func.: ogf

$$(913700768525743 f(x) + 281007189792000)$$

$$(210 f(x) x^4 - 247 f(x) x^3 + 101 f(x) x^2 - 17 f(x) x + f(x) - 1)$$

Sequence: A025931
Score: 9.27499
Type of gen. func.: lgdogf

$$- \frac{840 x^3 - 741 x^2 + 202 x - 17}{(3 x - 1) (-1 + 2 x) (7 x - 1) (5 x - 1)}$$

Sequence: A025932
Score: 10.5684
Type of gen. func.: ogf

$$\frac{1}{(3 x - 1) (-1 + 2 x) (8 x - 1) (5 x - 1)}$$

Sequence: A025932
Score: 3.97203
Type of gen. func.: ogf

$$(17363853637339 f(x) + 4706411904000)$$

$$(240 f(x) x^4 - 278 f(x) x^3 + 111 f(x) x^2 - 18 f(x) x + f(x) - 1)$$

Sequence: A025932
Score: 9.66758
Type of gen. func.: lgdogf

$$- \frac{6 (160 x^3 - 139 x^2 + 37 x - 3)}{(3 x - 1) (-1 + 2 x) (8 x - 1) (5 x - 1)}$$

Sequence: A025933
Score: 11.9817
Type of gen. func.: lgdogf

$$-\frac{1080 x^3 - 927 x^2 + 242 x - 19}{(3 x - 1) (9 x - 1) (-1 + 2 x) (5 x - 1)}$$

Sequence: A025933
Score: 13.4829
Type of gen. func.: ogf

$$\frac{1}{(3 x - 1) (9 x - 1) (-1 + 2 x) (5 x - 1)}$$

Sequence: A025933
Score: 5.13634
Type of gen. func.: ogf

$$(2239511479447 f(x) + 541930824000)$$

$$(270 f(x) x^4 - 309 f(x) x^3 + 121 f(x) x^2 - 19 f(x) x + f(x) - 1)$$

Sequence: A025934
Score: 4.05074
Type of gen. func.: ogf

$$(12462527 f(x) + 2721735)$$

$$(300 f(x) x^4 - 340 f(x) x^3 + 131 f(x) x^2 - 20 f(x) x + f(x) - 1)$$

Sequence: A025934
Score: 8.62523
Type of gen. func.: lgdogf

$$-\frac{2 (600 x^3 - 510 x^2 + 131 x - 10)}{(3 x - 1) (-1 + 2 x) (5 x - 1) (10 x - 1)}$$

Sequence: A025934
Score: 9.90984
Type of gen. func.: ogf

$$1$$

```
                   -----------------------------------------
                   (3 x - 1) (-1 + 2 x) (5 x - 1) (10 x - 1)



------------------------------------------------------------------------------

Sequence:  A025935
Score: 3.27764
Type of gen. func.: ogf


(2716800501481973 f(x) + 540375756624000)

               4              3              2
    (330 f(x) x  - 371 f(x) x  + 141 f(x) x  - 21 f(x) x + f(x) - 1)



------------------------------------------------------------------------------

Sequence:  A025935
Score: 8.03517
Type of gen. func.: lgdogf


                                 3        2
                         3 (440 x  - 371 x  + 94 x - 7)
                  - -----------------------------------------
                    (3 x - 1) (5 x - 1) (-1 + 2 x) (11 x - 1)



------------------------------------------------------------------------------

Sequence:  A025935
Score: 8.95496
Type of gen. func.: ogf


                                       1
                   -----------------------------------------
                   (3 x - 1) (5 x - 1) (-1 + 2 x) (11 x - 1)



------------------------------------------------------------------------------

Sequence:  A025936
Score: 3.55617
Type of gen. func.: ogf


(122748088903 f(x) + 22407552000)

               4              3              2
    (360 f(x) x  - 402 f(x) x  + 151 f(x) x  - 22 f(x) x + f(x) - 1)



------------------------------------------------------------------------------

Sequence:  A025936
Score: 8.00494
Type of gen. func.: lgdogf


                                3        2
                        2 (720 x  - 603 x  + 151 x - 11)
                  - -----------------------------------------
                    (12 x - 1) (3 x - 1) (-1 + 2 x) (5 x - 1)
```

Sequence: A025936
Score: 9.20793
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (3 x - 1) (-1 + 2 x) (5 x - 1)}$$

Sequence: A025937
Score: 10.3055
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (3 x - 1) (-1 + 2 x) (7 x - 1)}$$

Sequence: A025937
Score: 4.12221
Type of gen. func.: ogf

$$(884278483 f(x) + 231673176)$$

$$(252 f(x) x^4 - 288 f(x) x^3 + 113 f(x) x^2 - 18 f(x) x + f(x) - 1)$$

Sequence: A025937
Score: 9.26775
Type of gen. func.: lgdogf

$$- \frac{2 (504 x^3 - 432 x^2 + 113 x - 9)}{(6 x - 1) (3 x - 1) (-1 + 2 x) (7 x - 1)}$$

Sequence: A025938
Score: 3.88196
Type of gen. func.: ogf

$$(22400059 f(x) + 5168640)$$

$$(288 f(x) x^4 - 324 f(x) x^3 + 124 f(x) x^2 - 19 f(x) x + f(x) - 1)$$

Sequence: A025938
Score: 8.52896
Type of gen. func.: lgdogf

$$-\frac{1152 x^3 - 972 x^2 + 248 x - 19}{(6 x - 1) (3 x - 1) (-1 + 2 x) (8 x - 1)}$$

Sequence: A025938
Score: 9.49693
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (3 x - 1) (-1 + 2 x) (8 x - 1)}$$

Sequence: A025939
Score: 4.11986
Type of gen. func.: ogf

$$(649913 f(x) + 133812)$$

$$(324 f(x) x^4 - 360 f(x) x^3 + 135 f(x) x^2 - 20 f(x) x + f(x) - 1)$$

Sequence: A025939
Score: 8.57935
Type of gen. func.: lgdogf

$$-\frac{2 (648 x^3 - 540 x^2 + 135 x - 10)}{(6 x - 1) (3 x - 1) (-1 + 2 x) (9 x - 1)}$$

Sequence: A025939
Score: 9.85823
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (3 x - 1) (-1 + 2 x) (9 x - 1)}$$

Sequence: A025940

```
Score: 4.05074
Type of gen. func.: ogf


(37668268 f(x) + 6996375)

               4             3             2
    (360 f(x) x  - 396 f(x) x  + 146 f(x) x  - 21 f(x) x + f(x) - 1)



------------------------------------------------------------------------------

Sequence:  A025940
Score: 8.62523
Type of gen. func.: lgdogf


                               3         2
                         1440 x  - 1188 x  + 292 x - 21
                  - -----------------------------------------
                    (6 x - 1) (3 x - 1) (-1 + 2 x) (10 x - 1)



------------------------------------------------------------------------------

Sequence:  A025940
Score: 9.90984
Type of gen. func.: ogf


                                       1
                   -----------------------------------------
                   (6 x - 1) (3 x - 1) (-1 + 2 x) (10 x - 1)



------------------------------------------------------------------------------

Sequence:  A025941
Score: 3.57144
Type of gen. func.: ogf


(6130663219 f(x) + 1036678632)

               4             3             2
    (396 f(x) x  - 432 f(x) x  + 157 f(x) x  - 22 f(x) x + f(x) - 1)



------------------------------------------------------------------------------

Sequence:  A025941
Score: 7.87003
Type of gen. func.: lgdogf


                                3        2
                        2 (792 x  - 648 x  + 157 x - 11)
                  - -----------------------------------------
                    (6 x - 1) (3 x - 1) (-1 + 2 x) (11 x - 1)



------------------------------------------------------------------------------

Sequence:  A025941
Score: 9.05616
Type of gen. func.: ogf
```

$$\frac{1}{(6 x - 1) (3 x - 1) (-1 + 2 x) (11 x - 1)}$$

Sequence: A025942
Score: 3.84058
Type of gen. func.: ogf

$(1424401 f(x) + 220992)$

$$(432 f(x) x^{4} - 468 f(x) x^{3} + 168 f(x) x^{2} - 23 f(x) x + f(x) - 1)$$

Sequence: A025942
Score: 8.04991
Type of gen. func.: lgdogf

$$- \frac{1728 x^{3} - 1404 x^{2} + 336 x - 23}{(12 x - 1) (6 x - 1) (3 x - 1) (-1 + 2 x)}$$

Sequence: A025942
Score: 9.25852
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (6 x - 1) (3 x - 1) (-1 + 2 x)}$$

Sequence: A025943
Score: 3.63249
Type of gen. func.: ogf

$(6223493956889 f(x) + 1243929222144)$

$$(336 f(x) x^{4} - 370 f(x) x^{3} + 137 f(x) x^{2} - 20 f(x) x + f(x) - 1)$$

Sequence: A025943
Score: 8.48463
Type of gen. func.: lgdogf

3 2

$$-\frac{2 (672 x - 555 x + 137 x - 10)}{(3 x - 1) (-1 + 2 x) (8 x - 1) (7 x - 1)}$$

Sequence: A025943
Score: 9.60016
Type of gen. func.: ogf

$$\frac{1}{(3 x - 1) (-1 + 2 x) (8 x - 1) (7 x - 1)}$$

Sequence: A025944
Score: 3.77518
Type of gen. func.: ogf

$$(1823721612931 f(x) + 325127779200)$$

$$(378 f(x) x^4 - 411 f(x) x^3 + 149 f(x) x^2 - 21 f(x) x + f(x) - 1)$$

Sequence: A025944
Score: 8.62523
Type of gen. func.: lgdogf

$$-\frac{1512 x^3 - 1233 x^2 + 298 x - 21}{(3 x - 1) (9 x - 1) (-1 + 2 x) (7 x - 1)}$$

Sequence: A025944
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(3 x - 1) (9 x - 1) (-1 + 2 x) (7 x - 1)}$$

Sequence: A025945
Score: 3.67517
Type of gen. func.: ogf

$$(174392997905599 f(x) + 28037357995500)$$

$$(420 f(x) x^4 - 452 f(x) x^3 + 161 f(x) x^2 - 22 f(x) x + f(x) - 1)$$

Sequence: A025945
Score: 8.76435
Type of gen. func.: lgdogf

$$- \frac{2 (-1 + 4 x) (210 x^2 - 117 x + 11)}{(3 x - 1) (-1 + 2 x) (7 x - 1) (10 x - 1)}$$

Sequence: A025945
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(3 x - 1) (-1 + 2 x) (7 x - 1) (10 x - 1)}$$

Sequence: A025946
Score: 3.26632
Type of gen. func.: ogf

$$(170288927862529381 f(x) + 24918040412096832)$$

$$(462 f(x) x^4 - 493 f(x) x^3 + 173 f(x) x^2 - 23 f(x) x + f(x) - 1)$$

Sequence: A025946
Score: 7.95997
Type of gen. func.: lgdogf

$$- \frac{1848 x^3 - 1479 x^2 + 346 x - 23}{(7 x - 1) (3 x - 1) (-1 + 2 x) (11 x - 1)}$$

Sequence: A025946
Score: 9.15734
Type of gen. func.: ogf

$$\frac{1}{(7 x - 1) (3 x - 1) (-1 + 2 x) (11 x - 1)}$$

Sequence: A025947
Score: 3.54634
Type of gen. func.: ogf

$(1098976961885 f(x) + 147510590976)$

$(504 f(x) x^4 - 534 f(x) x^3 + 185 f(x) x^2 - 24 f(x) x + f(x) - 1)$

Sequence: A025947
Score: 7.96840
Type of gen. func.: lgdogf

$$-\frac{2 (1008 x^3 - 801 x^2 + 185 x - 12)}{(12 x - 1) (3 x - 1) (-1 + 2 x) (7 x - 1)}$$

Sequence: A025947
Score: 9.30912
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (3 x - 1) (-1 + 2 x) (7 x - 1)}$$

Sequence: A025948
Score: 3.88078
Type of gen. func.: ogf

$(34636986439 f(x) + 5431753728)$

$(432 f(x) x^4 - 462 f(x) x^3 + 163 f(x) x^2 - 22 f(x) x + f(x) - 1)$

Sequence: A025948
Score: 8.62523
Type of gen. func.: lgdogf

$$-\frac{2 (864 x^3 - 693 x^2 + 163 x - 11)}{(3 x - 1) (9 x - 1) (-1 + 2 x) (8 x - 1)}$$

Sequence: A025948
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(3x-1)(9x-1)(-1+2x)(8x-1)}$$

Sequence: A025949
Score: 3.72451
Type of gen. func.: ogf

$$(13247972645743 f(x) + 1873053504000)$$

$$(480 f(x) x^4 - 508 f(x) x^3 + 176 f(x) x^2 - 23 f(x) x + f(x) - 1)$$

Sequence: A025949
Score: 8.62523
Type of gen. func.: lgdogf

$$-\frac{1920 x^3 - 1524 x^2 + 352 x - 23}{(3x-1)(-1+2x)(8x-1)(10x-1)}$$

Sequence: A025949
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(3x-1)(-1+2x)(8x-1)(10x-1)}$$

Sequence: A025950
Score: 3.38875
Type of gen. func.: ogf

$$(3233931312833701 f(x) + 416062923217920)$$

$$(528 f(x) x^4 - 554 f(x) x^3 + 189 f(x) x^2 - 24 f(x) x + f(x) - 1)$$

Sequence: A025950
Score: 8.31385
Type of gen. func.: lgdogf

$$-\frac{6\,(352\,x^{3}-277\,x^{2}+63\,x-4)}{(3\,x-1)\,(-1+2\,x)\,(11\,x-1)\,(8\,x-1)}$$

Sequence: A025950
Score: 9.25852
Type of gen. func.: ogf

$$\frac{1}{(3\,x-1)\,(-1+2\,x)\,(11\,x-1)\,(8\,x-1)}$$

Sequence: A025951
Score: 3.88255
Type of gen. func.: ogf

$$(6521845\,f(x)+769536)$$

$$(576\,f(x)\,x^{4}-600\,f(x)\,x^{3}+202\,f(x)\,x^{2}-25\,f(x)\,x+f(x)-1)$$

Sequence: A025951
Score: 8.13986
Type of gen. func.: lgdogf

$$-\frac{2304\,x^{3}-1800\,x^{2}+404\,x-25}{(12\,x-1)\,(3\,x-1)\,(-1+2\,x)\,(8\,x-1)}$$

Sequence: A025951
Score: 9.35971
Type of gen. func.: ogf

$$\frac{1}{(12\,x-1)\,(3\,x-1)\,(-1+2\,x)\,(8\,x-1)}$$

Sequence: A025952
Score: 3.55617
Type of gen. func.: ogf

$$(213487709963\,f(x)+26901254250)$$

$$(540 f(x) x^4 - 564 f(x) x^3 + 191 f(x) x^2 - 24 f(x) x + f(x) - 1)$$

Sequence: A025952
Score: 7.75864
Type of gen. func.: lgdogf

$$- \frac{2 (1080 x^3 - 846 x^2 + 191 x - 12)}{(3 x - 1) (9 x - 1) (-1 + 2 x) (10 x - 1)}$$

Sequence: A025952
Score: 9.20793
Type of gen. func.: ogf

$$\frac{1}{(3 x - 1) (9 x - 1) (-1 + 2 x) (10 x - 1)}$$

Sequence: A025953
Score: 3.54634
Type of gen. func.: ogf

$$(3335211422561 f(x) + 382365080064)$$

$$(594 f(x) x^4 - 615 f(x) x^3 + 205 f(x) x^2 - 25 f(x) x + f(x) - 1)$$

Sequence: A025953
Score: 7.96840
Type of gen. func.: lgdogf

$$- \frac{2376 x^3 - 1845 x^2 + 410 x - 25}{(11 x - 1) (3 x - 1) (-1 + 2 x) (9 x - 1)}$$

Sequence: A025953
Score: 9.30912
Type of gen. func.: ogf

$$\frac{1}{(11 x - 1) (3 x - 1) (-1 + 2 x) (9 x - 1)}$$

Sequence: A025954
Score: 3.79121
Type of gen. func.: ogf

$$(244580531 f(x) + 25712640)$$

$$(648 f(x) x^4 - 666 f(x) x^3 + 219 f(x) x^2 - 26 f(x) x + f(x) - 1)$$

Sequence: A025954
Score: 7.93299
Type of gen. func.: lgdogf

$$- \frac{2 (1296 x^3 - 999 x^2 + 219 x - 13)}{(12 x - 1) (3 x - 1) (9 x - 1) (-1 + 2 x)}$$

Sequence: A025954
Score: 9.41030
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (3 x - 1) (9 x - 1) (-1 + 2 x)}$$

Sequence: A025955
Score: 3.47116
Type of gen. func.: ogf

$$(278749514467361 f(x) + 28797378241500)$$

$$(660 f(x) x^4 - 676 f(x) x^3 + 221 f(x) x^2 - 26 f(x) x + f(x) - 1)$$

Sequence: A025955
Score: 7.76986
Type of gen. func.: lgdogf

$$- \frac{2 (1320 x^3 - 1014 x^2 + 221 x - 13)}{(3 x - 1) (-1 + 2 x) (10 x - 1) (11 x - 1)}$$

Sequence: A025955
Score: 9.35971
Type of gen. func.: ogf

$$\frac{1}{(3 x - 1) (-1 + 2 x) (10 x - 1) (11 x - 1)}$$

Sequence: A025956
Score: 3.7446
Type of gen. func.: ogf

$$(93538963441 f(x) + 8860392000)$$

$$(720 f(x) x^4 - 732 f(x) x^3 + 236 f(x) x^2 - 27 f(x) x + f(x) - 1)$$

Sequence: A025956
Score: 8.18975
Type of gen. func.: lgdogf

$$- \frac{2880 x^3 - 2196 x^2 + 472 x - 27}{(12 x - 1) (3 x - 1) (-1 + 2 x) (10 x - 1)}$$

Sequence: A025956
Score: 9.56209
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (3 x - 1) (-1 + 2 x) (10 x - 1)}$$

Sequence: A025957
Score: 3.22526
Type of gen. func.: ogf

$$(3261720474823 f(x) + 281007023616)$$

$$(792 f(x) x^4 - 798 f(x) x^3 + 253 f(x) x^2 - 28 f(x) x + f(x) - 1)$$

Sequence: A025957
Score: 7.01549
Type of gen. func.: lgdogf

$$-\frac{2\,(1584\,x^{3} - 1197\,x^{2} + 253\,x - 14)}{(3\,x - 1)\,(-1 + 2\,x)\,(12\,x - 1)\,(11\,x - 1)}$$

Sequence: A025957
Score: 8.46630
Type of gen. func.: ogf

$$\frac{1}{(3\,x - 1)\,(-1 + 2\,x)\,(12\,x - 1)\,(11\,x - 1)}$$

Sequence: A025958
Score: 3.79731
Type of gen. func.: ogf

$$(107310418303\,f(x) + 32752728000)$$

$$(240\,f(x)\,x^{4} - 268\,f(x)\,x^{3} + 104\,f(x)\,x^{2} - 17\,f(x)\,x + f(x) - 1)$$

Sequence: A025958
Score: 8.98054
Type of gen. func.: lgdogf

$$-\frac{960\,x^{3} - 804\,x^{2} + 208\,x - 17}{(6\,x - 1)\,(-1 + 4\,x)\,(-1 + 2\,x)\,(5\,x - 1)}$$

Sequence: A025958
Score: 9.83232
Type of gen. func.: ogf

$$\frac{1}{(6\,x - 1)\,(-1 + 4\,x)\,(-1 + 2\,x)\,(5\,x - 1)}$$

Sequence: A025959
Score: 10.2530
Type of gen. func.: ogf

$$\frac{1}{(-1 + 4 x) (-1 + 2 x) (7 x - 1) (5 x - 1)}$$

Sequence: A025959
Score: 3.8795
Type of gen. func.: ogf

$$(4200623207693 f(x) + 1111199264000)$$

$$(280 f(x) x^4 - 306 f(x) x^3 + 115 f(x) x^2 - 18 f(x) x + f(x) - 1)$$

Sequence: A025959
Score: 9.21948
Type of gen. func.: lgdogf

$$- \frac{2 (560 x^3 - 459 x^2 + 115 x - 9)}{(-1 + 4 x) (-1 + 2 x) (7 x - 1) (5 x - 1)}$$

Sequence: A025960
Score: 5.18855
Type of gen. func.: ogf

$$(5603758567 f(x) + 1304704000)$$

$$(320 f(x) x^4 - 344 f(x) x^3 + 126 f(x) x^2 - 19 f(x) x + f(x) - 1)$$

Sequence: A025960
Score: 8.34478
Type of gen. func.: lgdogf

$$- \frac{1280 x^3 - 1032 x^2 + 252 x - 19}{(-1 + 4 x) (-1 + 2 x) (8 x - 1) (5 x - 1)}$$

Sequence: A025960
Score: 9.44532
Type of gen. func.: ogf

$$\frac{1}{(-1 + 4 x) (-1 + 2 x) (8 x - 1) (5 x - 1)}$$

Sequence: A025961
Score: 3.63689
Type of gen. func.: ogf

$$(202091179906451 f(x) + 41959210464000)$$

$$(360 f(x) x^4 - 382 f(x) x^3 + 137 f(x) x^2 - 20 f(x) x + f(x) - 1)$$

Sequence: A025961
Score: 8.53347
Type of gen. func.: lgdogf

$$- \frac{2 (720 x^3 - 573 x^2 + 137 x - 10)}{(-1 + 4 x) (9 x - 1) (-1 + 2 x) (5 x - 1)}$$

Sequence: A025961
Score: 9.80661
Type of gen. func.: ogf

$$\frac{1}{(-1 + 4 x) (9 x - 1) (-1 + 2 x) (5 x - 1)}$$

Sequence: A025962
Score: 4.17257
Type of gen. func.: ogf

$$(391457 f(x) + 73280)$$

$$(400 f(x) x^4 - 420 f(x) x^3 + 148 f(x) x^2 - 21 f(x) x + f(x) - 1)$$

Sequence: A025962
Score: 8.62523
Type of gen. func.: lgdogf

$$- \frac{1600 x^3 - 1260 x^2 + 296 x - 21}{}$$

```
                    (-1 + 4 x) (-1 + 2 x) (5 x - 1) (10 x - 1)



-------------------------------------------------------------------------------

Sequence:  A025962
Score: 9.90984
Type of gen. func.: ogf


                                       1
                   ------------------------------------------
                   (-1 + 4 x) (-1 + 2 x) (5 x - 1) (10 x - 1)



-------------------------------------------------------------------------------

Sequence:  A025963
Score: 3.33648
Type of gen. func.: ogf


(783520568640649 f(x) + 133469996704000)

               4             3             2
    (440 f(x) x  - 458 f(x) x  + 159 f(x) x  - 22 f(x) x + f(x) - 1)



-------------------------------------------------------------------------------

Sequence:  A025963
Score: 7.87003
Type of gen. func.: lgdogf


                                 3        2
                         2 (880 x  - 687 x  + 159 x - 11)
                  - ------------------------------------------
                    (5 x - 1) (-1 + 2 x) (-1 + 4 x) (11 x - 1)



-------------------------------------------------------------------------------

Sequence:  A025963
Score: 9.05616
Type of gen. func.: ogf


                                       1
                   ------------------------------------------
                   (5 x - 1) (-1 + 2 x) (-1 + 4 x) (11 x - 1)



-------------------------------------------------------------------------------

Sequence:  A025964
Score: 3.62572
Type of gen. func.: ogf


(43181175829 f(x) + 6746112000)

               4             3             2
    (480 f(x) x  - 496 f(x) x  + 170 f(x) x  - 23 f(x) x + f(x) - 1)
```

Sequence: A025964
Score: 8.45241
Type of gen. func.: lgdogf

$$-\frac{(8 x - 1) (240 x^2 - 156 x + 23)}{(12 x - 1) (-1 + 4 x) (-1 + 2 x) (5 x - 1)}$$

Sequence: A025964
Score: 9.25852
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (-1 + 4 x) (-1 + 2 x) (5 x - 1)}$$

Sequence: A025965
Score: 10.3581
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (-1 + 4 x) (-1 + 2 x) (7 x - 1)}$$

Sequence: A025965
Score: 4.02816
Type of gen. func.: ogf

$$(86934619327 f(x) + 19552712256)$$

$$(336 f(x) x^4 - 356 f(x) x^3 + 128 f(x) x^2 - 19 f(x) x + f(x) - 1)$$

Sequence: A025965
Score: 9.16576
Type of gen. func.: lgdogf

$$-\frac{1344 x^3 - 1068 x^2 + 256 x - 19}{(6 x - 1) (-1 + 4 x) (-1 + 2 x) (7 x - 1)}$$

Sequence: A025966
Score: 3.90306
Type of gen. func.: ogf

$$(28342193 f(x) + 5605632)$$

$$(384 f(x) x^4 - 400 f(x) x^3 + 140 f(x) x^2 - 20 f(x) x + f(x) - 1)$$

Sequence: A025966
Score: 8.71928
Type of gen. func.: lgdogf

$$-\frac{4 (384 x^3 - 300 x^2 + 70 x - 5)}{(6 x - 1) (8 x - 1) (-1 + 2 x) (-1 + 4 x)}$$

Sequence: A025966
Score: 9.54854
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (8 x - 1) (-1 + 2 x) (-1 + 4 x)}$$

Sequence: A025967
Score: 3.93583
Type of gen. func.: ogf

$$(2336424409 f(x) + 411801408)$$

$$(432 f(x) x^4 - 444 f(x) x^3 + 152 f(x) x^2 - 21 f(x) x + f(x) - 1)$$

Sequence: A025967
Score: 8.62523
Type of gen. func.: lgdogf

$$-\frac{1728 x^3 - 1332 x^2 + 304 x - 21}{(6 x - 1) (-1 + 4 x) (9 x - 1) (-1 + 2 x)}$$

Sequence: A025967
Score: 9.90984

Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (-1 + 4 x) (9 x - 1) (-1 + 2 x)}$$

Sequence: A025968
Score: 3.85383
Type of gen. func.: ogf

$$(81183133141 f(x) + 12893688000)$$

$$(480 f(x) x^4 - 488 f(x) x^3 + 164 f(x) x^2 - 22 f(x) x + f(x) - 1)$$

Sequence: A025968
Score: 8.62523
Type of gen. func.: lgdogf

$$- \frac{2 (960 x^3 - 732 x^2 + 164 x - 11)}{(6 x - 1) (-1 + 4 x) (-1 + 2 x) (10 x - 1)}$$

Sequence: A025968
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (-1 + 4 x) (-1 + 2 x) (10 x - 1)}$$

Sequence: A025969
Score: 3.42267
Type of gen. func.: ogf

$$(19806822514249 f(x) + 2861240690880)$$

$$(528 f(x) x^4 - 532 f(x) x^3 + 176 f(x) x^2 - 23 f(x) x + f(x) - 1)$$

Sequence: A025969
Score: 7.91500
Type of gen. func.: lgdogf

$$-\frac{2112 x^{3} - 1596 x^{2} + 352 x - 23}{(6 x - 1) (-1 + 2 x) (-1 + 4 x) (11 x - 1)}$$

Sequence: A025969
Score: 9.10675
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (-1 + 2 x) (-1 + 4 x) (11 x - 1)}$$

Sequence: A025970
Score: 3.97948
Type of gen. func.: ogf

$(41591 f(x) + 5508)$

$$(576 f(x) x^{4} - 576 f(x) x^{3} + 188 f(x) x^{2} - 24 f(x) x + f(x) - 1)$$

Sequence: A025970
Score: 8.36029
Type of gen. func.: lgdogf

$$-\frac{8 (288 x^{3} - 216 x^{2} + 47 x - 3)}{(12 x - 1) (6 x - 1) (-1 + 4 x) (-1 + 2 x)}$$

Sequence: A025970
Score: 9.30912
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (6 x - 1) (-1 + 4 x) (-1 + 2 x)}$$

Sequence: A025971
Score: 4.73451
Type of gen. func.: ogf

$(16629565447 f(x) + 2843223040)$

4 3 2

```
    (448 f(x) x  - 456 f(x) x  + 154 f(x) x  - 21 f(x) x + f(x) - 1)



------------------------------------------------------------------------------

Sequence:  A025971
Score: 8.53125
Type of gen. func.: lgdogf


                               3         2
                         1792 x  - 1368 x  + 308 x - 21
                  - -----------------------------------------
                    (-1 + 4 x) (-1 + 2 x) (8 x - 1) (7 x - 1)



------------------------------------------------------------------------------

Sequence:  A025971
Score: 9.65177
Type of gen. func.: ogf


                                       1
                   -----------------------------------------
                   (-1 + 4 x) (-1 + 2 x) (8 x - 1) (7 x - 1)



------------------------------------------------------------------------------

Sequence:  A025972
Score: 3.67517
Type of gen. func.: ogf


(163519621772243 f(x) + 24901000508160)

               4             3             2
    (504 f(x) x  - 506 f(x) x  + 167 f(x) x  - 22 f(x) x + f(x) - 1)



------------------------------------------------------------------------------

Sequence:  A025972
Score: 8.49046
Type of gen. func.: lgdogf


                                 3        2
                        2 (1008 x  - 759 x  + 167 x - 11)
                  - -----------------------------------------
                    (-1 + 4 x) (9 x - 1) (-1 + 2 x) (7 x - 1)



------------------------------------------------------------------------------

Sequence:  A025972
Score: 9.90984
Type of gen. func.: ogf


                                       1
                   -----------------------------------------
                   (-1 + 4 x) (9 x - 1) (-1 + 2 x) (7 x - 1)
```

Sequence: A025973
Score: 3.72451
Type of gen. func.: ogf

$$(28576031184679 f(x) + 3919581736000)$$

$$(560 f(x) x^4 - 556 f(x) x^3 + 180 f(x) x^2 - 23 f(x) x + f(x) - 1)$$

Sequence: A025973
Score: 8.62523
Type of gen. func.: lgdogf

$$- \frac{2240 x^3 - 1668 x^2 + 360 x - 23}{(-1 + 4 x) (-1 + 2 x) (7 x - 1) (10 x - 1)}$$

Sequence: A025973
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(-1 + 4 x) (-1 + 2 x) (7 x - 1) (10 x - 1)}$$

Sequence: A025974
Score: 3.37023
Type of gen. func.: ogf

$$(2323862382987617 f(x) + 289817608484096)$$

$$(616 f(x) x^4 - 606 f(x) x^3 + 193 f(x) x^2 - 24 f(x) x + f(x) - 1)$$

Sequence: A025974
Score: 7.87987
Type of gen. func.: lgdogf

$$- \frac{2 (1232 x^3 - 909 x^2 + 193 x - 12)}{(7 x - 1) (-1 + 2 x) (-1 + 4 x) (11 x - 1)}$$

Sequence: A025974
Score: 9.20793
Type of gen. func.: ogf

$$\frac{1}{(7 x - 1) (-1 + 2 x) (-1 + 4 x) (11 x - 1)}$$

Sequence: A025975
Score: 3.59525
Type of gen. func.: ogf

$$(384177049619 f(x) + 43911068544)$$

$$(672 f(x) x^4 - 656 f(x) x^3 + 206 f(x) x^2 - 25 f(x) x + f(x) - 1)$$

Sequence: A025975
Score: 8.09489
Type of gen. func.: lgdogf

$$- \frac{2688 x^3 - 1968 x^2 + 412 x - 25}{(12 x - 1) (-1 + 4 x) (-1 + 2 x) (7 x - 1)}$$

Sequence: A025975
Score: 9.30912
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (-1 + 4 x) (-1 + 2 x) (7 x - 1)}$$

Sequence: A025976
Score: 3.88078
Type of gen. func.: ogf

$$(24225786913 f(x) + 3239046144)$$

$$(576 f(x) x^4 - 568 f(x) x^3 + 182 f(x) x^2 - 23 f(x) x + f(x) - 1)$$

Sequence: A025976
Score: 8.62523

Type of gen. func.: lgdogf

$$-\frac{2304 x^3 - 1704 x^2 + 364 x - 23}{(-1 + 4 x) (9 x - 1) (-1 + 2 x) (8 x - 1)}$$

Sequence: A025976
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(-1 + 4 x) (9 x - 1) (-1 + 2 x) (8 x - 1)}$$

Sequence: A025977
Score: 10.0647
Type of gen. func.: ogf

$$\frac{1}{(-1 + 4 x) (-1 + 2 x) (8 x - 1) (10 x - 1)}$$

Sequence: A025977
Score: 3.99732
Type of gen. func.: ogf

$$(1411150873 f(x) + 169888000)$$

$$(640 f(x) x^4 - 624 f(x) x^3 + 196 f(x) x^2 - 24 f(x) x + f(x) - 1)$$

Sequence: A025977
Score: 9.35696
Type of gen. func.: lgdogf

$$-\frac{8 (5 x - 1) (64 x^2 - 34 x + 3)}{(-1 + 4 x) (-1 + 2 x) (8 x - 1) (10 x - 1)}$$

Sequence: A025978
Score: 3.64553
Type of gen. func.: ogf

```
(41311714177 f(x) + 4520885248)

               4              3              2
    (704 f(x) x  - 680 f(x) x  + 210 f(x) x  - 25 f(x) x + f(x) - 1)



------------------------------------------------------------------------------
```

Sequence: A025978
Score: 8.09489
Type of gen. func.: lgdogf

```
                                   3         2
                             2816 x  - 2040 x  + 420 x - 25
                  - -------------------------------------------
                    (11 x - 1) (8 x - 1) (-1 + 2 x) (-1 + 4 x)



------------------------------------------------------------------------------
```

Sequence: A025978
Score: 9.30912
Type of gen. func.: ogf

```
                                        1
                   ------------------------------------------
                   (11 x - 1) (8 x - 1) (-1 + 2 x) (-1 + 4 x)



------------------------------------------------------------------------------
```

Sequence: A025979
Score: 3.77082
Type of gen. func.: ogf

```
(113824139 f(x) + 11413440)

               4              3              2
    (768 f(x) x  - 736 f(x) x  + 224 f(x) x  - 26 f(x) x + f(x) - 1)



------------------------------------------------------------------------------
```

Sequence: A025979
Score: 7.88940
Type of gen. func.: lgdogf

```
                                    3         2
                           2 (1536 x  - 1104 x  + 224 x - 13)
                  - -------------------------------------------
                    (12 x - 1) (-1 + 4 x) (-1 + 2 x) (8 x - 1)



------------------------------------------------------------------------------
```

Sequence: A025979
Score: 9.35971
Type of gen. func.: ogf

```
                                        1
                   ------------------------------------------
```

$$(12 x - 1) (-1 + 4 x) (-1 + 2 x) (8 x - 1)$$

Sequence: A025980
Score: 3.43363
Type of gen. func.: ogf

$$(152619288310577 f(x) + 16349061384000)$$

$$(720 f(x) x^4 - 692 f(x) x^3 + 212 f(x) x^2 - 25 f(x) x + f(x) - 1)$$

Sequence: A025980
Score: 7.92413
Type of gen. func.: lgdogf

$$- \frac{2880 x^3 - 2076 x^2 + 424 x - 25}{(-1 + 4 x) (9 x - 1) (-1 + 2 x) (10 x - 1)}$$

Sequence: A025980
Score: 9.25852
Type of gen. func.: ogf

$$\frac{1}{(-1 + 4 x) (9 x - 1) (-1 + 2 x) (10 x - 1)}$$

Sequence: A025981
Score: 3.42578
Type of gen. func.: ogf

$$(2864028667800233 f(x) + 278824872243456)$$

$$(792 f(x) x^4 - 754 f(x) x^3 + 227 f(x) x^2 - 26 f(x) x + f(x) - 1)$$

Sequence: A025981
Score: 7.76986
Type of gen. func.: lgdogf

$$- \frac{2 (1584 x^3 - 1131 x^2 + 227 x - 13)}{(9 x - 1) (-1 + 2 x) (-1 + 4 x) (11 x - 1)}$$

Sequence: A025981
Score: 9.35971
Type of gen. func.: ogf

$$\frac{1}{(9 x - 1) (-1 + 2 x) (-1 + 4 x) (11 x - 1)}$$

Sequence: A025982
Score: 3.83197
Type of gen. func.: ogf

$$(938118203 f(x) + 83669760)$$

$$(864 f(x) x^4 - 816 f(x) x^3 + 242 f(x) x^2 - 27 f(x) x + f(x) - 1)$$

Sequence: A025982
Score: 8.14548
Type of gen. func.: lgdogf

$$- \frac{3456 x^3 - 2448 x^2 + 484 x - 27}{(12 x - 1) (-1 + 4 x) (9 x - 1) (-1 + 2 x)}$$

Sequence: A025982
Score: 9.51148
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (-1 + 4 x) (9 x - 1) (-1 + 2 x)}$$

Sequence: A025983
Score: 3.58488
Type of gen. func.: ogf

$$(9388205608381 f(x) + 822462168000)$$

$$(880 f(x) x^4 - 828 f(x) x^3 + 244 f(x) x^2 - 27 f(x) x + f(x) - 1)$$

Sequence: A025983
Score: 8.05694
Type of gen. func.: lgdogf

$$-\frac{3520 x^{3} - 2484 x^{2} + 488 x - 27}{(-1 + 2 x) (10 x - 1) (-1 + 4 x) (11 x - 1)}$$

Sequence: A025983
Score: 9.41030
Type of gen. func.: ogf

$$\frac{1}{(-1 + 2 x) (10 x - 1) (-1 + 4 x) (11 x - 1)}$$

Sequence: A025984
Score: 3.39094
Type of gen. func.: ogf

$$(211633417 f(x) + 16983000)$$

$$(960 f(x) x^{4} - 896 f(x) x^{3} + 260 f(x) x^{2} - 28 f(x) x + f(x) - 1)$$

Sequence: A025984
Score: 7.30555
Type of gen. func.: lgdogf

$$-\frac{4 (960 x^{3} - 672 x^{2} + 130 x - 7)}{(12 x - 1) (-1 + 4 x) (-1 + 2 x) (10 x - 1)}$$

Sequence: A025984
Score: 8.41679
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (-1 + 4 x) (-1 + 2 x) (10 x - 1)}$$

Sequence: A025985
Score: 3.2222

Type of gen. func.: ogf

$$(7950690064807 f(x) + 579596535936)$$

$$(1056 f(x) x^4 - 976 f(x) x^3 + 278 f(x) x^2 - 29 f(x) x + f(x) - 1)$$

Sequence: A025985
Score: 7.27805
Type of gen. func.: lgdogf

$$-\frac{4224 x^3 - 2928 x^2 + 556 x - 29}{(-1 + 2 x) (12 x - 1) (-1 + 4 x) (11 x - 1)}$$

Sequence: A025985
Score: 8.36640
Type of gen. func.: ogf

$$\frac{1}{(-1 + 2 x) (12 x - 1) (-1 + 4 x) (11 x - 1)}$$

Sequence: A025986
Score: 3.48772
Type of gen. func.: ogf

$$(61281539369941 f(x) + 11515724734500)$$

$$(420 f(x) x^4 - 424 f(x) x^3 + 143 f(x) x^2 - 20 f(x) x + f(x) - 1)$$

Sequence: A025986
Score: 8.25154
Type of gen. func.: lgdogf

$$-\frac{2 (840 x^3 - 636 x^2 + 143 x - 10)}{(6 x - 1) (-1 + 2 x) (7 x - 1) (5 x - 1)}$$

Sequence: A025986
Score: 9.34209
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (-1 + 2 x) (7 x - 1) (5 x - 1)}$$

Sequence: A025987
Score: 3.70765
Type of gen. func.: ogf

$$(120711595747 f(x) + 19918656000)$$

$$(480 f(x) x^4 - 476 f(x) x^3 + 156 f(x) x^2 - 21 f(x) x + f(x) - 1)$$

Sequence: A025987
Score: 8.62373
Type of gen. func.: lgdogf

$$- \frac{3 (640 x^3 - 476 x^2 + 104 x - 7)}{(6 x - 1) (-1 + 2 x) (8 x - 1) (5 x - 1)}$$

Sequence: A025987
Score: 9.60016
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (-1 + 2 x) (8 x - 1) (5 x - 1)}$$

Sequence: A025988
Score: 3.88078
Type of gen. func.: ogf

$$(27201016073 f(x) + 3995163000)$$

$$(540 f(x) x^4 - 528 f(x) x^3 + 169 f(x) x^2 - 22 f(x) x + f(x) - 1)$$

Sequence: A025988
Score: 8.49046
Type of gen. func.: lgdogf

$$2 (1080 x^3 - 792 x^2 + 169 x - 11)$$

$$- \frac{}{(6 x - 1) (9 x - 1) (-1 + 2 x) (5 x - 1)}$$

Sequence: A025988
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (9 x - 1) (-1 + 2 x) (5 x - 1)}$$

Sequence: A025989
Score: 4.05074
Type of gen. func.: ogf

$$(13304588 f(x) + 1759185)$$

$$(600 f(x) x^4 - 580 f(x) x^3 + 182 f(x) x^2 - 23 f(x) x + f(x) - 1)$$

Sequence: A025989
Score: 9.05649
Type of gen. func.: lgdogf

$$- \frac{(8 x - 1) (300 x^2 - 180 x + 23)}{(6 x - 1) (-1 + 2 x) (5 x - 1) (10 x - 1)}$$

Sequence: A025989
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (-1 + 2 x) (5 x - 1) (10 x - 1)}$$

Sequence: A025990
Score: 11.7252
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (5 x - 1) (-1 + 2 x) (11 x - 1)}$$

Sequence: A025990
Score: 4.34841
Type of gen. func.: ogf

$$(316938671115383 f(x) + 38086360525125)$$

$$(660 f(x) x^4 - 632 f(x) x^3 + 195 f(x) x^2 - 24 f(x) x + f(x) - 1)$$

Sequence: A025990
Score: 8.26740
Type of gen. func.: lgdogf

$$-\frac{6 (440 x^3 - 316 x^2 + 65 x - 4)}{(6 x - 1) (5 x - 1) (-1 + 2 x) (11 x - 1)}$$

Sequence: A025991
Score: 3.75044
Type of gen. func.: ogf

$$(283178723 f(x) + 31176000)$$

$$(720 f(x) x^4 - 684 f(x) x^3 + 208 f(x) x^2 - 25 f(x) x + f(x) - 1)$$

Sequence: A025991
Score: 8.09489
Type of gen. func.: lgdogf

$$-\frac{2880 x^3 - 2052 x^2 + 416 x - 25}{(12 x - 1) (6 x - 1) (-1 + 2 x) (5 x - 1)}$$

Sequence: A025991
Score: 9.30912
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (6 x - 1) (-1 + 2 x) (5 x - 1)}$$

Sequence: A025992
Score: 3.57046
Type of gen. func.: ogf

$$(3269845379226151 f(x) + 465474642304000)$$

$$(560 f(x) x^4 - 542 f(x) x^3 + 171 f(x) x^2 - 22 f(x) x + f(x) - 1)$$

Sequence: A025992
Score: 8.48759
Type of gen. func.: lgdogf

$$- \frac{2 (1120 x^3 - 813 x^2 + 171 x - 11)}{(-1 + 2 x) (8 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A025992
Score: 9.75500
Type of gen. func.: ogf

$$\frac{1}{(-1 + 2 x) (8 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A025993
Score: 3.51235
Type of gen. func.: ogf

$$(920756531632745401 f(x) + 116598242349288000)$$

$$(630 f(x) x^4 - 601 f(x) x^3 + 185 f(x) x^2 - 23 f(x) x + f(x) - 1)$$

Sequence: A025993
Score: 9.05649
Type of gen. func.: lgdogf

$$- \frac{(8 x - 1) (315 x^2 - 186 x + 23)}{(9 x - 1) (-1 + 2 x) (7 x - 1) (5 x - 1)}$$

Sequence: A025993

Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(9 x - 1) (-1 + 2 x) (7 x - 1) (5 x - 1)}$$

Sequence: A025994
Score: 3.99246
Type of gen. func.: ogf

$$(311995343 f(x) + 35550578)$$

$$(700 f(x) x^4 - 660 f(x) x^3 + 199 f(x) x^2 - 24 f(x) x + f(x) - 1)$$

Sequence: A025994
Score: 8.49046
Type of gen. func.: lgdogf

$$- \frac{2 (1400 x^3 - 990 x^2 + 199 x - 12)}{(-1 + 2 x) (7 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A025994
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(-1 + 2 x) (7 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A025995
Score: 3.26087
Type of gen. func.: ogf

$$(3567371613838534199 f(x) + 369283013451968000)$$

$$(770 f(x) x^4 - 719 f(x) x^3 + 213 f(x) x^2 - 25 f(x) x + f(x) - 1)$$

Sequence: A025995
Score: 8.04991
Type of gen. func.: lgdogf

$$-\frac{3080 x^3 - 2157 x^2 + 426 x - 25}{(7 x - 1) (5 x - 1) (-1 + 2 x) (11 x - 1)}$$

Sequence: A025995
Score: 9.25852
Type of gen. func.: ogf

$$\frac{1}{(7 x - 1) (5 x - 1) (-1 + 2 x) (11 x - 1)}$$

Sequence: A025996
Score: 3.38158
Type of gen. func.: ogf

$$(50319148605517649 f(x) + 4770529876224000)$$

$$(840 f(x) x^4 - 778 f(x) x^3 + 227 f(x) x^2 - 26 f(x) x + f(x) - 1)$$

Sequence: A025996
Score: 7.88940
Type of gen. func.: lgdogf

$$-\frac{2 (1680 x^3 - 1167 x^2 + 227 x - 13)}{(12 x - 1) (-1 + 2 x) (7 x - 1) (5 x - 1)}$$

Sequence: A025996
Score: 9.35971
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (-1 + 2 x) (7 x - 1) (5 x - 1)}$$

Sequence: A025997
Score: 3.62713
Type of gen. func.: ogf

$$(2493325527892639 f(x) + 276754900608000)$$

$$(720 f(x) x^4 - 674 f(x) x^3 + 201 f(x) x^2 - 24 f(x) x + f(x) - 1)$$

Sequence: A025997
Score: 8.90803
Type of gen. func.: lgdogf

$$-\frac{6 (480 x^3 - 337 x^2 + 67 x - 4)}{(9 x - 1) (-1 + 2 x) (8 x - 1) (5 x - 1)}$$

Sequence: A025997
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(9 x - 1) (-1 + 2 x) (8 x - 1) (5 x - 1)}$$

Sequence: A025998
Score: 3.70967
Type of gen. func.: ogf

$$(709659929 f(x) + 70853120)$$

$$(800 f(x) x^4 - 740 f(x) x^3 + 216 f(x) x^2 - 25 f(x) x + f(x) - 1)$$

Sequence: A025998
Score: 8.00494
Type of gen. func.: lgdogf

$$-\frac{3200 x^3 - 2220 x^2 + 432 x - 25}{(-1 + 2 x) (8 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A025998
Score: 9.20793
Type of gen. func.: ogf

$$\frac{1}{(-1 + 2 x) (8 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A025999
Score: 3.42578
Type of gen. func.: ogf

$$(1733790112715893 f(x) + 157212694144000)$$

$$(880 f(x) x^4 - 806 f(x) x^3 + 231 f(x) x^2 - 26 f(x) x + f(x) - 1)$$

Sequence: A025999
Score: 7.88940
Type of gen. func.: lgdogf

$$- \frac{2 (1760 x^3 - 1209 x^2 + 231 x - 13)}{(5 x - 1) (-1 + 2 x) (11 x - 1) (8 x - 1)}$$

Sequence: A025999
Score: 9.35971
Type of gen. func.: ogf

$$\frac{1}{(5 x - 1) (-1 + 2 x) (11 x - 1) (8 x - 1)}$$

Sequence: A026000
Score: 6.20893
Type of gen. func.: ogf

$$4 f(x)^3 x^2 + 44 f(x)^3 x - 4 f(x)^3 + f(x) x + 3 f(x) + 1$$

Sequence: A026002
Score: 5.0023
Type of gen. func.: ogf

$$f(x)^2 x^4 - 6 f(x)^2 x^3 + f(x)^2 x^2 - f(x) x^3 + 7 f(x) x^2 - 7 f(x) x + f(x) - 1$$

Sequence: A026003
Score: 6.35136

Type of gen. func.: ogf

$$f(x)^2 x^3 + 2 f(x)^2 x^2 - f(x)^2 x + f(x) x^2 + 2 f(x) x - f(x) + 1$$

Sequence: A026004
Score: 4.88659
Type of gen. func.: ogf

$$27 f(x)^3 x^3 - 4 f(x)^3 x^2 - 27 f(x)^2 x^2 + 4 f(x)^2 x + 7 f(x) x - f(x) - 8 x + 1$$

Sequence: A026004
Score: 7.69358
Type of gen. func.: revogf

$$1/16 + \frac{7 x}{16} - \frac{27 x^2}{16} + \frac{27 x^3}{16} - \frac{((9 x^2 - 2 x + 1) (9 x^2 - 8 x + 1)^2)^{1/2}}{16}$$

Sequence: A026006
Score: 3.60416
Type of gen. func.: ogf

$$(7451264090809 f(x) + 618636096000)$$

$$(960 f(x) x^4 - 872 f(x) x^3 + 246 f(x) x^2 - 27 f(x) x + f(x) - 1)$$

Sequence: A026006
Score: 8.22980
Type of gen. func.: lgdogf

$$- \frac{3 (1280 x^3 - 872 x^2 + 164 x - 9)}{(12 x - 1) (-1 + 2 x) (8 x - 1) (5 x - 1)}$$

Sequence: A026006
Score: 9.46089
Type of gen. func.: ogf

$$\frac{1}{}$$

$$(12 x - 1) (-1 + 2 x) (8 x - 1) (5 x - 1)$$

Sequence: A026007
Score: 15.8967
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^2 + x + 1}{-x^4 + 2 x^2 - 1}$$

Sequence: A026008
Score: 11.0871
Type of gen. func.: lgdogf

$$5 + 24 x + 32 x^2 + (32 x^3 + 20 x^2 - 8 x - 5) f(x)$$
$$+ (8 x^4 + 4 x^3 - 2 x^2 - x) f(x)^2$$

Sequence: A026010
Score: 7.05272
Type of gen. func.: ogf

$$-2 f(x)^2 x^4 + f(x)^2 x^3 - 2 f(x) x^3 - 3 f(x) x^2 - x^2 + f(x) - 2 x - 1$$

Sequence: A026011
Score: 10.5745
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^2 + 2 x + 2}{-x^4 + 2 x^2 - 1}$$

Sequence: A026012
Score: 8.40624
Type of gen. func.: ogf

$$-f(x)^2 x^3 + 3 f(x) x^2 - 4 f(x) x - x^2 + f(x) + 2 x - 1$$

Sequence: A026013
Score: 9.25428
Type of gen. func.: lgdogf

$$-20 + 26 x - 9 x^2 + (-12 x^3 + 35 x^2 - 28 x + 5) f(x) + (-4 x^4 + 9 x^3 - 6 x^2 + x) f(x)^2$$

Sequence: A026014
Score: 9.04861
Type of gen. func.: lgdogf

$$42 - 64 x + 25 x^2 + (20 x^3 - 53 x^2 + 40 x - 7) f(x) + (4 x^4 - 9 x^3 + 6 x^2 - x) f(x)^2$$

Sequence: A026015
Score: 8.38955
Type of gen. func.: lgdogf

$$-72 + 118 x - 49 x^2 + (-28 x^3 + 71 x^2 - 52 x + 9) f(x) + (-4 x^4 + 9 x^3 - 6 x^2 + x) f(x)^2$$

Sequence: A026016
Score: 6.72934
Type of gen. func.: ogf

$$-f(x)^2 x^4 - 2 f(x) x^3 + 6 f(x) x^2 - 5 f(x) x - x^2 + f(x) + 2 x - 1$$

Sequence: A026017
Score: 10.2652
Type of gen. func.: lgdogf

$$-30 + 43 x - 16 x^2 + (-16 x^3 + 44 x^2 - 34 x + 6) f(x) + (-4 x^4 + 9 x^3 - 6 x^2 + x) f(x)^2$$

Sequence: A026018
Score: 8.33267
Type of gen. func.: lgdogf

$$-56 + 89 x - 36 x^{2} + (-24 x^{3} + 62 x^{2} - 46 x + 8) f(x) + (-4 x^{4} + 9 x^{3} - 6 x^{2} + x) f(x)^{2}$$

Sequence: A026019
Score: 3.35767
Type of gen. func.: ogf

$$-27 f(x)^{3} x^{4} + 4 f(x)^{3} x^{3} - 81 f(x)^{2} x^{3} + 12 f(x)^{2} x^{2} + 42 f(x) x^{3} - 42 f(x) x^{2} - 8 x^{3} + 12 f(x) x + 9 x^{2} - f(x) - 9 x + 1$$

Sequence: A026024
Score: 3.64553
Type of gen. func.: ogf

$$(49954430669 f(x) + 4431838860) (900 f(x) x^{4} - 820 f(x) x^{3} + 233 f(x) x^{2} - 26 f(x) x + f(x) - 1)$$

Sequence: A026024
Score: 8.09489
Type of gen. func.: lgdogf

$$-\frac{2 (6 x - 1) (300 x^{2} - 155 x + 13)}{(9 x - 1) (-1 + 2 x) (5 x - 1) (10 x - 1)}$$

Sequence: A026024
Score: 9.30912
Type of gen. func.: ogf

$$\frac{1}{(9 x - 1) (-1 + 2 x) (5 x - 1) (10 x - 1)}$$

Sequence: A026026
Score: 9.68624
Type of gen. func.: lgdogf

$$15 - 44 x + 36 x^2 + (48 x^3 - 76 x^2 + 36 x - 5) f(x) + (16 x^4 - 20 x^3 + 8 x^2 - x) f(x)^2$$

Sequence: A026027
Score: 8.29595
Type of gen. func.: lgdogf

$$35 - 116 x + 100 x^2 + (80 x^3 - 116 x^2 + 52 x - 7) f(x) + (16 x^4 - 20 x^3 + 8 x^2 - x) f(x)^2$$

Sequence: A026028
Score: 3.25556
Type of gen. func.: ogf

$$(19038811805336877077 f(x) + 1533666871741752000) (990 f(x) x^4 - 893 f(x) x^3 + 249 f(x) x^2 - 27 f(x) x + f(x) - 1)$$

Sequence: A026028
Score: 8.01267
Type of gen. func.: lgdogf

$$- \frac{3 (1320 x^3 - 893 x^2 + 166 x - 9)}{(9 x - 1) (5 x - 1) (-1 + 2 x) (11 x - 1)}$$

Sequence: A026028
Score: 9.35971
Type of gen. func.: ogf

$$\frac{1}{(9 x - 1) (5 x - 1) (-1 + 2 x) (11 x - 1)}$$

Sequence: A026029
Score: 7.07995
Type of gen. func.: ogf

$$-f(x)^2 x^4 - 4 f(x) x^3 + 10 f(x) x^2 - 6 f(x) x - 4 x^2 + f(x) + 4 x - 1$$

Sequence: A026030
Score: 9.13466
Type of gen. func.: lgdogf

$$24 - 76 x + 64 x^2 + (64 x^3 - 96 x^2 + 44 x - 6) f(x)$$
$$+ (16 x^4 - 20 x^3 + 8 x^2 - x) f(x)^2$$

Sequence: A026031
Score: 8.50232
Type of gen. func.: lgdogf

$$48 - 164 x + 144 x^2 + (96 x^3 - 136 x^2 + 60 x - 8) f(x)$$
$$+ (16 x^4 - 20 x^3 + 8 x^2 - x) f(x)^2$$

Sequence: A026035
Score: 10.3324
Type of gen. func.: ogf

$$\frac{x^2 - x + 2}{(x + 1) (x - 1)^4}$$

Sequence: A026035
Score: 19.5091
Type of gen. func.: lgdogf

$$- \frac{3 x^3 - x^2 + 9 x + 5}{\qquad\qquad {}^{2}}$$

$$(x - 1) (x + 1) (x - x + 2)$$

Sequence: A026036
Score: 10.0183
Type of gen. func.: lgdogf

$$-\frac{4 x^{8} - 7 x^{7} + 15 x^{6} - 8 x^{5} + 16 x^{4} + 7 x^{3} + 3 x^{2} + 6 x + 4}{(x - 1) (x^{2} + 1) (x^{2} - 2 x + 2) (x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A026036
Score: 8.61753
Type of gen. func.: ogf

$$\frac{x (x^{2} + 1) (x^{2} - 2 x + 2)}{(x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{4}}$$

Sequence: A026037
Score: 12.2592
Type of gen. func.: ogf

$$-\frac{5 x^{3} - 18 x^{2} + 22 x - 11}{(x - 1)^{4}}$$

Sequence: A026037
Score: 18.2108
Type of gen. func.: lgdogf

$$-\frac{5 x^{3} - 21 x^{2} + 30 x - 22}{(x - 1) (5 x^{3} - 18 x^{2} + 22 x - 11)}$$

Sequence: A026037
Score: 6.49496
Type of gen. func.: ogf

$$-(9184 f(x) + 54361) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 5 x^3 - 4 f(x) x - 18 x^2 + f(x) + 22 x - 11)$$

Sequence: A026038
Score: 8.82005
Type of gen. func.: ogf

$$-\frac{2 x^5 - 7 x^4 + 10 x^3 - 11 x^2 + 9 x - 5}{(x^2 + 1) (x - 1)^4}$$

Sequence: A026038
Score: 9.73029
Type of gen. func.: lgdogf

$$-\frac{2 x^7 - 8 x^6 + 14 x^5 - 24 x^4 + 27 x^3 - 31 x^2 + 15 x - 11}{(x - 1) (x^2 + 1) (2 x^5 - 7 x^4 + 10 x^3 - 11 x^2 + 9 x - 5)}$$

Sequence: A026039
Score: 7.69386
Type of gen. func.: lgdogf

$$- (x^{11} - 3 x^{10} + 3 x^9 - 5 x^8 + 2 x^7 - 8 x^6 - 4 x^5 - 4 x^4 - 11 x^3 - 3 x^2 - 4 x - 4) / ((x - 1) (x^4 + x^3 + x^2 + x + 1) (x^7 - 3 x^6 + 3 x^5 - 2 x^4 + x^3 - 2 x^2 + 2 x - 2))$$

Sequence: A026039
Score: 7.87331
Type of gen. func.: ogf

$$-\frac{x^7 - 3 x^6 + 3 x^5 - 2 x^4 + x^3 - 2 x^2 + 2 x - 2}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^4}$$

Sequence: A026040
Score: 14.6358
Type of gen. func.: lgdogf

$$-\frac{(x-2)(7x^2-13x+10)}{(x-1)(7x^3-24x^2+28x-12)}$$

Sequence: A026040
Score: 4.13740
Type of gen. func.: ogf

$$\{(11n^2+69n+94)a(n+1)+(-16n^2-58n-22)a(n+2)$$
$$+(5n^2+7n-24)a(n+3), a(0)=24, a(1)=40, a(2)=64\}$$

Sequence: A026040
Score: 5.17879
Type of gen. func.: ogf

$$-(6f(x)+103)(f(x)x^4-4f(x)x^3+6f(x)x^2+14x^3-4f(x)x-48x^2$$
$$+f(x)+56x-24)$$

Sequence: A026040
Score: 9.39854
Type of gen. func.: ogf

$$-\frac{2(7x^3-24x^2+28x-12)}{(x-1)^4}$$

Sequence: A026041
Score: 12.7428
Type of gen. func.: ogf

$$-\frac{7x^3-24x^2+28x-12}{(x-1)^4}$$

Sequence: A026041
Score: 19.6787
Type of gen. func.: lgdogf

$$-\frac{(x-2)(7x^2-13x+10)}{(x-1)(7x^3-24x^2+28x-12)}$$

Sequence: A026041
Score: 5.54033
Type of gen. func.: ogf

$$\{(11n^2+69n+94)a(n+1)+(-16n^2-58n-22)a(n+2)$$
$$+(5n^2+7n-24)a(n+3),\ a(0)=12,\ a(1)=20,\ a(2)=32\}$$

Sequence: A026041
Score: 6.93484
Type of gen. func.: ogf

$$-(12f(x)+103)(f(x)x^4-4f(x)x^3+6f(x)x^2+7x^3-4f(x)x-24x^2$$
$$+f(x)+28x-12)$$

Sequence: A026042
Score: 7.75458
Type of gen. func.: ogf

$$-\frac{2x^7-5x^6+3x^5+x^4-3x^3+4x-4}{(x^4+x^3+x^2+x+1)(x-1)^4}$$

Sequence: A026042
Score: 7.87906
Type of gen. func.: lgdogf

$$2x^{11}-4x^{10}+4x^8-12x^7+2x^6+x^5-11x^4-5x^3-9x^2-8$$

```
  - -------------------------------------------------------------------------
              4    3    2              7      6      5    4      3
    (x - 1) (x  + x  + x  + x + 1) (2 x  - 5 x  + 3 x  + x  - 3 x  + 4 x - 4)



------------------------------------------------------------------------------

Sequence:  A026043
Score: 12.7772
Type of gen. func.: lgdogf


                               3        2
                           30 x  - 110 x  + 139 x - 67
                    - -------------------------------------
                                   3        2
                      (x - 1) (30 x  - 100 x  + 113 x - 45)



------------------------------------------------------------------------------

Sequence:  A026043
Score: 3.96242
Type of gen. func.: ogf


       2                                   2
{(115 n  + 755 n + 1050) a(n + 1) + (-188 n  - 859 n - 765) a(n + 2)

            2
     + (73 n  + 230 n + 33) a(n + 3), a(0) = 45, a(1) = 67, a(2) = 98}



------------------------------------------------------------------------------

Sequence:  A026043
Score: 5.0573
Type of gen. func.: ogf


                             4           3           2       3
(14144 f(x) + 570203) (f(x) x  - 4 f(x) x  + 6 f(x) x  + 30 x  - 4 f(x) x

            2
     - 100 x  + f(x) + 113 x - 45)



------------------------------------------------------------------------------

Sequence:  A026043
Score: 9.26155
Type of gen. func.: ogf


                               3        2
                           30 x  - 100 x  + 113 x - 45
                         - ---------------------------
                                           4
                                    (x - 1)



------------------------------------------------------------------------------

Sequence:  A026044
Score: 8.40234
Type of gen. func.: ogf
```

$$-\frac{15x^5 - 50x^4 + 71x^3 - 71x^2 + 55x - 22}{(x^2 + 1)(x - 1)^4}$$

Sequence: A026044
Score: 8.80204
Type of gen. func.: lgdogf

$$-\frac{15x^7 - 55x^6 + 98x^5 - 138x^4 + 146x^3 - 116x^2 + 67x - 33}{(x - 1)(x^2 + 1)(15x^5 - 50x^4 + 71x^3 - 71x^2 + 55x - 22)}$$

Sequence: A026045
Score: 7.02208
Type of gen. func.: lgdogf

$$-(6x^{11} - 10x^{10} + 4x^8 - 2x^7 - 18x^6 + 17x^5 - 11x^4 - 5x^3 - 9x^2 + x - 13) \Big/ ((x - 1)(x^4 + x^3 + x^2 + x + 1)(6x^7 - 14x^6 + 8x^5 + x^4 - x^3 - 7x^2 + 14x - 9))$$

Sequence: A026045
Score: 7.08770
Type of gen. func.: ogf

$$-\frac{6x^7 - 14x^6 + 8x^5 + x^4 - x^3 - 7x^2 + 14x - 9}{(x^4 + x^3 + x^2 + x + 1)(x - 1)^4}$$

Sequence: A026046
Score: 10.7779
Type of gen. func.: ogf

$$-\frac{55x^3 - 180x^2 + 199x - 76}{(x - 1)^4}$$

Sequence: A026046
Score: 14.6556
Type of gen. func.: lgdogf

$$-\frac{55 x^3 - 195 x^2 + 237 x - 105}{(x - 1) (55 x^3 - 180 x^2 + 199 x - 76)}$$

Sequence: A026046
Score: 4.25983
Type of gen. func.: ogf

$$\{(2211 n^2 + 15081 n + 21318) a(n + 1) + (-3824 n^2 - 19528 n - 21240) a(n + 2)$$
$$+ (1613 n^2 + 6241 n + 4206) a(n + 3), a(0) = 76, a(1) = 105, a(2) = 144\}$$

Sequence: A026046
Score: 6.0038
Type of gen. func.: ogf

$$(356 f(x) + 28861) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 55 x^3 - 4 f(x) x - 180 x^2$$
$$+ f(x) + 199 x - 76)$$

Sequence: A026047
Score: 11.5313
Type of gen. func.: lgdogf

$$-\frac{27 x^5 - 41 x^4 - 51 x^3 + 89 x^2 + 12 x - 52}{(x - 1) (x + 1) (27 x^4 - 61 x^3 + 8 x^2 + 62 x - 38)}$$

Sequence: A026047
Score: 9.78973
Type of gen. func.: ogf

$$27 x^4 - 61 x^3 + 8 x^2 + 62 x - 38$$

$$- \frac{}{(x + 1) (x - 1)^4}$$

Sequence: A026048
Score: 6.76543
Type of gen. func.: ogf

$$- \frac{11 x^7 - 25 x^6 + 14 x^5 + 2 x^4 - 3 x^3 - 10 x^2 + 24 x - 15}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^4}$$

Sequence: A026049
Score: 11.0757
Type of gen. func.: ogf

$$- \frac{91 x^3 - 294 x^2 + 320 x - 119}{(x - 1)^4}$$

Sequence: A026049
Score: 15.0007
Type of gen. func.: lgdogf

$$- \frac{91 x^3 - 315 x^2 + 372 x - 156}{(x - 1) (91 x^3 - 294 x^2 + 320 x - 119)}$$

Sequence: A026049
Score: 6.12079
Type of gen. func.: ogf

$$(1568 f(x) + 230025) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 91 x^3 - 4 f(x) x - 294 x^2 + f(x) + 320 x - 119)$$

Sequence: A026050
Score: 7.83999
Type of gen. func.: ogf

$$-\frac{45 x^5 - 145 x^4 + 202 x^3 - 203 x^2 + 158 x - 59}{(x^2 + 1) (x - 1)^4}$$

Sequence: A026050
Score: 7.97804
Type of gen. func.: lgdogf

$$-\frac{45 x^7 - 155 x^6 + 271 x^5 - 385 x^4 + 412 x^3 - 312 x^2 + 186 x - 78}{(x - 1) (45 x^5 - 145 x^4 + 202 x^3 - 203 x^2 + 158 x - 59) (x^2 + 1)}$$

Sequence: A026051
Score: 6.82229
Type of gen. func.: ogf

$$-\frac{18 x^7 - 40 x^6 + 22 x^5 + 2 x^4 - 3 x^3 - 16 x^2 + 38 x - 23}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^4}$$

Sequence: A026052
Score: 10.0690
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 - 2}{(x^2 + 1) (x + 1) (x - 1)^4}$$

Sequence: A026052
Score: 14.7817
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^6 - x^5 - 7 x^3 - 3 x^2 - 4 x - 3)}{(x - 1) (x + 1) (x^2 + 1) (x^3 - x^2 - 2)}$$

Sequence: A026053
Score: 11.1763
Type of gen. func.: lgdogf

$$-\frac{5 x^7 - 9 x^6 + 4 x^5 - 8 x^4 - 3 x^3 - 3 x^2 - 4 x - 2}{(x - 1) (x^3 - 2 x^2 + x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A026053
Score: 9.56519
Type of gen. func.: ogf

$$-\frac{x^3 - 2 x^2 + x - 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^4}$$

Sequence: A026054
Score: 11.9674
Type of gen. func.: ogf

$$-\frac{4 x^3 - 16 x^2 + 24 x - 13}{(x - 1)^4}$$

Sequence: A026054
Score: 18.4671
Type of gen. func.: lgdogf

$$-\frac{4 (x^3 - 5 x^2 + 10 x - 7)}{(x - 1) (4 x^3 - 16 x^2 + 24 x - 13)}$$

Sequence: A026054
Score: 5.09249
Type of gen. func.: ogf

$$\{(9 n^2 + 63 n + 90) a(n + 1) + (-22 n^2 - 166 n - 300) a(n + 2)$$

$$+ (13 n^2 + 91 n + 156) a(n + 3), a(0) = 13, a(1) = 28, a(2) = 50\}$$

Sequence: A026054
Score: 6.60267
Type of gen. func.: ogf

$$(131 f(x) + 6915) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 4 x^3 - 4 f(x) x - 16 x^2 + f(x) + 24 x - 13)$$

Sequence: A026055
Score: 7.77604
Type of gen. func.: ogf

$$- \frac{2 x^6 - 6 x^5 + 6 x^4 - x^3 - x^2 + 4 x - 6}{(x^2 + 1) (x + 1) (x - 1)^4}$$

Sequence: A026055
Score: 8.77248
Type of gen. func.: lgdogf

$$- \frac{2 (x^9 - 3 x^8 + 3 x^7 + x^6 + 2 x^5 + 3 x^4 - 6 x^3 - 6 x^2 - 4 x - 7)}{(x - 1) (x + 1) (x^2 + 1) (2 x^6 - 6 x^5 + 6 x^4 - x^3 - x^2 + 4 x - 6)}$$

Sequence: A026056
Score: 11.5489
Type of gen. func.: lgdogf

$$- \frac{5 x^7 - 3 x^6 + 7 x^5 - 13 x^4 - 3 x^3 - 3 x^2 - 5 x - 5}{(x - 1) (x^3 - x^2 + x - 2) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A026056
Score: 9.76447
Type of gen. func.: ogf

$$x^3 - x^2 + x - 2$$

$$-\frac{}{(x^4+x^3+x^2+x+1)(x-1)^4}$$

Sequence: A026057
Score: 11.3286
Type of gen. func.: ogf

$$-\frac{x(6x^2-9x+2)}{(x-1)^4}$$

Sequence: A026057
Score: 22.1440
Type of gen. func.: lgdogf

$$-\frac{12x^2-15x-1}{(x-1)(6x^2-9x+2)}$$

Sequence: A026057
Score: 4.11436
Type of gen. func.: ogf

$$\{(-6-2n)a(n+4)+(21+11n)a(n+3)+(-15n-30)a(n+2)$$
$$+(12+6n)a(n+1),\ a(0)=0,\ a(1)=-2,\ a(2)=1,\ a(3)=10\}$$

Sequence: A026057
Score: 5.94954
Type of gen. func.: ogf

$$(376 f(x)+74205)$$
$$(f(x)x^4-4f(x)x^3+6f(x)x^2+6x^3-4f(x)x-9x^2+f(x)+2x)$$

Sequence: A026058
Score: 7.49791
Type of gen. func.: ogf

6 5 4 3 2

$$-\frac{5 x - 15 x + 14 x - 2 x - 5 x + 14 x - 13}{(x^2 + 1) (x + 1) (x - 1)^4}$$

Sequence: A026058
Score: 7.61202
Type of gen. func.: lgdogf

$$-\frac{5 x^9 - 15 x^8 + 12 x^7 + 4 x^6 - 4 x^5 + 30 x^4 - 14 x^3 - 18 x^2 - 7 x - 25}{(x - 1) (x + 1) (x^2 + 1) (5 x^6 - 15 x^5 + 14 x^4 - 2 x^3 - 5 x^2 + 14 x - 13)}$$

Sequence: A026059
Score: 7.75173
Type of gen. func.: ogf

$$-\frac{2 x^7 - 6 x^6 + 5 x^5 + x^4 - 2 x^3 - x^2 + 5 x - 5}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^4}$$

Sequence: A026060
Score: 11.3626
Type of gen. func.: ogf

$$-\frac{20 x^3 - 76 x^2 + 100 x - 45}{(x - 1)^4}$$

Sequence: A026060
Score: 16.0761
Type of gen. func.: lgdogf

$$-\frac{4 (5 x^3 - 23 x^2 + 37 x - 20)}{(x - 1) (20 x^3 - 76 x^2 + 100 x - 45)}$$

Sequence: A026060
Score: 4.58983

Type of gen. func.: ogf

$$\{(383 n^2 + 3145 n + 4758) a(n + 1) + (-858 n^2 - 7416 n - 14280) a(n + 2) + (475 n^2 + 3995 n + 7710) a(n + 3), a(0) = 45, a(1) = 80, a(2) = 126\}$$

Sequence: A026060
Score: 6.29551
Type of gen. func.: ogf

$$(235 f(x) + 96933) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 20 x^3 - 4 f(x) x - 76 x^2 + f(x) + 100 x - 45)$$

Sequence: A026061
Score: 6.87882
Type of gen. func.: ogf

$$- \frac{10 x^6 - 28 x^5 + 22 x^4 - x^3 - 9 x^2 + 26 x - 22}{(x^2 + 1) (x + 1) (x - 1)^4}$$

Sequence: A026061
Score: 7.14441
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^9 - 13 x^8 + 6 x^7 + 4 x^6 - 3 x^5 + 26 x^4 - 9 x^3 - 9 x^2 - 3 x - 20)}{(x - 1) (x + 1) (x^2 + 1) (10 x^6 - 28 x^5 + 22 x^4 - x^3 - 9 x^2 + 26 x - 22)}$$

Sequence: A026062
Score: 7.54166
Type of gen. func.: ogf

$$- \frac{4 x^7 - 12 x^6 + 11 x^5 - 2 x^4 - 4 x^2 + 11 x - 9}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^4}$$

Sequence: A026063
Score: 11.0708
Type of gen. func.: ogf

$$-\frac{35 x^3 - 130 x^2 + 165 x - 71}{(x - 1)^4}$$

Sequence: A026063
Score: 15.0593
Type of gen. func.: lgdogf

$$-\frac{35 x^3 - 155 x^2 + 235 x - 119}{(x - 1) (35 x^3 - 130 x^2 + 165 x - 71)}$$

Sequence: A026063
Score: 4.50428
Type of gen. func.: ogf

$$\{(397 n^2 + 3539 n + 5490) a(n + 1) + (-872 n^2 - 8136 n - 16116) a(n + 2)$$
$$+ (475 n^2 + 4363 n + 8814) a(n + 3), a(0) = 71, a(1) = 119, a(2) = 180\}$$

Sequence: A026063
Score: 6.20861
Type of gen. func.: ogf

$$(58 f(x) + 49889) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 35 x^3 - 4 f(x) x - 130 x^2$$
$$+ f(x) + 165 x - 71)$$

Sequence: A026064
Score: 6.94452
Type of gen. func.: ogf

$$-\frac{17 x^6 - 46 x^5 + 33 x^4 + x^3 - 18 x^2 + 46 x - 35}{(x^2 + 1) (x + 1) (x - 1)^4}$$

Sequence: A026064
Score: 6.98631
Type of gen. func.: lgdogf

$$-\frac{17 x^9 - 41 x^8 + 12 x^7 + 16 x^6 - 24 x^5 + 94 x^4 - 26 x^3 - 18 x^2 - 3 x - 59}{(x - 1) (x + 1) (x^2 + 1) (17 x^6 - 46 x^5 + 33 x^4 + x^3 - 18 x^2 + 46 x - 35)}$$

Sequence: A026065
Score: 6.98423
Type of gen. func.: ogf

$$-\frac{7 x^7 - 19 x^6 + 14 x^5 - x^4 + 2 x^3 - 9 x^2 + 19 x - 14}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^4}$$

Sequence: A026066
Score: 10.7402
Type of gen. func.: ogf

$$-\frac{56 x^3 - 204 x^2 + 252 x - 105}{(x - 1)^4}$$

Sequence: A026066
Score: 14.7825
Type of gen. func.: lgdogf

$$-\frac{4 (14 x^3 - 60 x^2 + 87 x - 42)}{(x - 1) (56 x^3 - 204 x^2 + 252 x - 105)}$$

Sequence: A026066
Score: 4.74831
Type of gen. func.: ogf

$\{(6 n^2 + 58 n + 92) a(n + 1) + (-13 n^2 - 131 n - 266) a(n + 2)$

$+ (7 n^2 + 70 n + 147) a(n + 3), a(0) = 105, a(1) = 168, a(2) = 246\}$

Sequence: A026066
Score: 5.9747
Type of gen. func.: ogf

$$(577 f(x) + 923605) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 56 x^3 - 4 f(x) x - 204 x^2 + f(x) + 252 x - 105)$$

Sequence: A026067
Score: 6.87737
Type of gen. func.: ogf

$$- \frac{28 x^6 - 74 x^5 + 52 x^4 - x^3 - 27 x^2 + 72 x - 52}{(x^2 + 1) (x + 1) (x - 1)^4}$$

Sequence: A026067
Score: 6.91824
Type of gen. func.: lgdogf

$$- 2 (14 x^9 - 32 x^8 + 9 x^7 + 7 x^6 - 18 x^5 + 67 x^4 - 12 x^3 - 12 x^2 + 3 x - 42) / ((x - 1) (x + 1) (28 x^6 - 74 x^5 + 52 x^4 - x^3 - 27 x^2 + 72 x - 52) (x^2 + 1))$$

Sequence: A026068
Score: 6.26017
Type of gen. func.: ogf

$$- \frac{11 x^7 - 29 x^6 + 20 x^5 + x^3 - 13 x^2 + 30 x - 21}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^4}$$

Sequence: A026083
Score: 3.37100
Type of gen. func.: ogf

$$\{(-3 n - 9) a(n + 1) + (n + 14) a(n + 2) + (3 n + 19) a(n + 3) + (-n - 8) a(n + 4), a(0) = 6, a(1) = 12, a(2) = 38, a(3) = 104\}$$

Sequence: A026084
Score: 3.37157
Type of gen. func.: ogf

$$\{(3 n + 9) a(n + 1) + (-n - 17) a(n + 2) + (-3 n - 21) a(n + 3) + (n + 9) a(n + 4), a(0) = 3, a(1) = 13, a(2) = 33, a(3) = 98\}$$

Sequence: A026097
Score: 13.3288
Type of gen. func.: ogf

$$\frac{4 x^3 + 2 x^2 + x - 1}{3 x - 1}$$

Sequence: A026097
Score: 14.4395
Type of gen. func.: lgdogf

$$\frac{2 (12 x^3 - 3 x^2 - 2 x + 1)}{(3 x - 1) (4 x^3 + 2 x^2 + x - 1)}$$

Sequence: A026097
Score: 7.35860
Type of gen. func.: ogf

$$\{-a(n + 4) + 3 a(n + 3), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8\}$$

Sequence: A026097
Score: 8.51117
Type of gen. func.: ogf

$$(f(x) - 1) (-4 x^3 + 3 f(x) x - 2 x^2 - f(x) - x + 1)$$

Sequence: A026108
Score: 3.56985
Type of gen. func.: ogf

$$(17541554132003 f(x) + 1293568704000)$$

$$(1080 f(x) x^4 - 966 f(x) x^3 + 265 f(x) x^2 - 28 f(x) x + f(x) - 1)$$

Sequence: A026108
Score: 7.94157
Type of gen. func.: lgdogf

$$- \frac{2 (2160 x^3 - 1449 x^2 + 265 x - 14)}{(12 x - 1) (9 x - 1) (-1 + 2 x) (5 x - 1)}$$

Sequence: A026108
Score: 9.39433
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (9 x - 1) (-1 + 2 x) (5 x - 1)}$$

Sequence: A026121
Score: 10.2641
Type of gen. func.: ogf

$$-27 f(x) x^2 + 12 f(x) x - f(x) + 3 x$$

Sequence: A026121
Score: 16.0541
Type of gen. func.: ogf

$$\frac{3 x}{(9 x - 1) (3 x - 1)}$$

Sequence: A026121
Score: 17.1422
Type of gen. func.: revogf

$$-\frac{-1 - 4 x + (4 x^2 + 8 x + 1)^{1/2}}{18 x}$$

Sequence: A026121
Score: 21.2800
Type of gen. func.: lgdogf

$$-\frac{6 (-2 + 9 x)}{(9 x - 1) (3 x - 1)}$$

Sequence: A026121
Score: 7.54347
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 27 a(n), a(0) = 0, a(1) = 3\}$$

Sequence: A026122
Score: 3.58087
Type of gen. func.: ogf

$$\{(3 n + 9) a(n + 1) + (-n - 12) a(n + 2) + (-3 n - 23) a(n + 3) + (n + 10) a(n + 4), a(0) = 2, a(1) = 4, a(2) = 11, a(3) = 28\}$$

Sequence: A026135
Score: 3.88090
Type of gen. func.: ogf

$$\{-3 n a(n) + (n + 5) a(n + 1) + (3 n + 12) a(n + 2) + (-n - 5) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A026135
Score: 4.93136
Type of gen. func.: ogf

$$-3 f(x)^2 x^3 + f(x)^2 x^2 + 3 f(x) x^3 - f(x) x^2 - x^3 - 3 f(x) x + x^2 + f(x) + x - 1$$

Sequence: A026149
Score: 3.71111
Type of gen. func.: ogf

$$(6911623126 f(x) + 500449345) (1100 f(x) x^4 - 980 f(x) x^3 + 267 f(x) x^2 - 28 f(x) x + f(x) - 1)$$

Sequence: A026149
Score: 7.81279
Type of gen. func.: lgdogf

$$-\frac{2 (2200 x^3 - 1470 x^2 + 267 x - 14)}{(5 x - 1) (-1 + 2 x) (10 x - 1) (11 x - 1)}$$

Sequence: A026149
Score: 9.24521
Type of gen. func.: ogf

$$\frac{1}{(5 x - 1) (-1 + 2 x) (10 x - 1) (11 x - 1)}$$

Sequence: A026150
Score: 12.8152
Type of gen. func.: ogf

$$\frac{x - 1}{2 x^2 + 2 x - 1}$$

Sequence: A026150
Score: 16.1043
Type of gen. func.: lgdogf

2

$$-\frac{2 x - 4 x - 1}{(x - 1) (2 x^2 + 2 x - 1)}$$

Sequence: A026150
Score: 6.62854
Type of gen. func.: ogf

$$(18 f(x) - 17) (2 f(x) x^2 + 2 f(x) x - f(x) - x + 1)$$

Sequence: A026150
Score: 7.03273
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A026155
Score: 3.49202
Type of gen. func.: ogf

$$(x^6 - 6 x^5 - 13 x^4 + 8 x^3 + 8 x^2 - 6 x + 1) (x - 1)^2 / ((x^6 - 3 x^5 - 5 x^4 + 8 x^3 + 4 x^2 - 5 x + 1) (7 x^6 + 7 x^5 - 21 x^4 + 14 x^2 - 7 x + 1))$$

Sequence: A026165
Score: 6.25285
Type of gen. func.: ogf

$$-3 f(x)^2 x^4 + f(x)^2 x^3 + 3 f(x) x^2 - 4 f(x) x - x^2 + f(x) + 2 x - 1$$

Sequence: A026184
Score: 6.28492
Type of gen. func.: lgdogf

$$-\frac{2 x^9 + 9 x^8 + 20 x^7 + 10 x^6 + 36 x^5 + 36 x^4 + 28 x^3 + 6 x^2 + 10 x + 3}{}$$

$$(x - 1) (x + 1) (x^2 + 1) (x^6 + 3 x^5 + 5 x^4 + 2 x^3 + 5 x^2 + 3 x + 1)$$

Sequence: A026184
Score: 8.51902
Type of gen. func.: ogf

$$\frac{x^6 + 3 x^5 + 5 x^4 + 2 x^3 + 5 x^2 + 3 x + 1}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A026185
Score: 7.75556
Type of gen. func.: ogf

$$\frac{x^6 + 4 x^5 + x^4 + 4 x^3 + x^2 + 4 x + 1}{(x^2 + x + 1) (x^2 - x + 1) (x + 1)^2 (x - 1)^2}$$

Sequence: A026200
Score: 6.33863
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^9 + 6 x^8 + 2 x^7 + 15 x^6 + 18 x^5 + 17 x^4 + 6 x^3 + 9 x^2 + 4 x + 1)}{(x - 1) (x + 1) (x^2 + 1) (2 x^6 + 4 x^5 + x^4 + 6 x^3 + 4 x^2 + 2 x + 1)}$$

Sequence: A026200
Score: 8.51902
Type of gen. func.: ogf

$$\frac{2 x^6 + 4 x^5 + x^4 + 6 x^3 + 4 x^2 + 2 x + 1}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A026201
Score: 7.75556
Type of gen. func.: ogf

$$\frac{3 x^6 + x^5 + 4 x^4 + x^3 + 4 x^2 + 2 x + 1}{(x^2 + x + 1) (x^2 - x + 1) (x + 1)^2 (x - 1)^2}$$

Sequence: A026208
Score: 6.28492
Type of gen. func.: lgdogf

$$- \frac{2 x^9 + 9 x^8 + 20 x^7 + 10 x^6 + 36 x^5 + 36 x^4 + 28 x^3 + 6 x^2 + 10 x + 3}{(x - 1) (x + 1) (x^2 + 1) (x^6 + 3 x^5 + 5 x^4 + 2 x^3 + 5 x^2 + 3 x + 1)}$$

Sequence: A026208
Score: 8.51902
Type of gen. func.: ogf

$$\frac{x^6 + 3 x^5 + 5 x^4 + 2 x^3 + 5 x^2 + 3 x + 1}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A026209
Score: 7.75556
Type of gen. func.: ogf

$$\frac{x^6 + 4 x^5 + x^4 + 4 x^3 + x^2 + 4 x + 1}{(x^2 + x + 1) (x^2 - x + 1) (x + 1)^2 (x - 1)^2}$$

Sequence: A026218
Score: 6.33863
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^9 + 6 x^8 + 2 x^7 + 15 x^6 + 18 x^5 + 17 x^4 + 6 x^3 + 9 x^2 + 4 x + 1)}{(x - 1) (x + 1) (x^2 + 1) (2 x^6 + 4 x^5 + x^4 + 6 x^3 + 4 x^2 + 2 x + 1)}$$

Sequence: A026218
Score: 8.51902
Type of gen. func.: ogf

$$\frac{2x^6+4x^5+x^4+6x^3+4x^2+2x+1}{(x-1)^2(x+1)^2(x^2+1)^2}$$

Sequence: A026219
Score: 7.75556
Type of gen. func.: ogf

$$\frac{3x^6+x^5+4x^4+x^3+4x^2+2x+1}{(x^2+x+1)(x^2-x+1)(x+1)^2(x-1)^2}$$

Sequence: A026241
Score: 3.29608
Type of gen. func.: ogf

$$(2183738513 f(x) + 144725184)$$

$$(1200 f(x) x^4 - 1060 f(x) x^3 + 284 f(x) x^2 - 29 f(x) x + f(x) - 1)$$

Sequence: A026241
Score: 7.19141
Type of gen. func.: lgdogf

$$-\frac{4800x^3-3180x^2+568x-29}{(12x-1)(-1+2x)(5x-1)(10x-1)}$$

Sequence: A026241
Score: 8.12655
Type of gen. func.: ogf

$$\frac{1}{(12x-1)(-1+2x)(5x-1)(10x-1)}$$

Sequence: A026243
Score: 27.3614
Type of gen. func.: lgdegf]

$$\frac{2 x^2 - 7 x + 7}{(x - 1) (2 x - 3)}$$

Sequence: A026243
Score: 3.32459
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) + (-4 n^2 - 30 n - 54) a(n + 2) + (3 n^2 + 28 n + 58) a(n + 3) + (-3 n - 9) a(n + 4), a(0) = 0, a(1) = 3, a(2) = 14, a(3) = 63\}$$

Sequence: A026244
Score: 14.2928
Type of gen. func.: ogf

$$- \frac{10 x - 1}{(16 x - 1) (-1 + 4 x)}$$

Sequence: A026244
Score: 14.9839
Type of gen. func.: lgdogf

$$- \frac{2 (320 x^2 - 64 x + 5)}{(-1 + 4 x) (16 x - 1) (10 x - 1)}$$

Sequence: A026244
Score: 16.4458
Type of gen. func.: revogf

$$- \frac{-1 - 20 x + (144 x^2 + 1)^{1/2}}{4 (32 x + 5)}$$

Sequence: A026244
Score: 7.37693
Type of gen. func.: ogf

$$-(18 f(x) + 7) (64 f(x) x^2 - 20 f(x) x + f(x) + 10 x - 1)$$

Sequence: A026244
Score: 8.07124
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1) + 64 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A026269
Score: 4.28385
Type of gen. func.: ogf

$$\{3 n a(n) + (-n - 3) a(n + 1) + (-3 n - 16) a(n + 2) + (n + 7) a(n + 3),$$
$$a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A026269
Score: 5.61216
Type of gen. func.: ogf

$$-f(x)^2 x^4 + f(x) x^4 + 2 f(x) x^3 - x^4 - 2 f(x) x^2 - 2 f(x) x + 2 x^2 + f(x) - 1$$

Sequence: A026270
Score: 4.40339
Type of gen. func.: ogf

$$\{3 n a(n) + (-n - 6) a(n + 1) + (-3 n - 18) a(n + 2) + (n + 8) a(n + 3),$$
$$a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A026308
Score: 2.98053
Type of gen. func.: ogf

$$(1040324967915662773 f(x) + 625738999944960000)$$
$$(1320 f(x) x^4 - 1154 f(x) x^3 + 303 f(x) x^2 - 30 f(x) x + f(x) - 1)$$

Sequence: A026308
Score: 7.39357
Type of gen. func.: lgdogf

$$-\frac{6\,(880\,x^{3}-577\,x^{2}+101\,x-5)}{(5\,x-1)\,(-1+2\,x)\,(12\,x-1)\,(11\,x-1)}$$

Sequence: A026308
Score: 8.22216
Type of gen. func.: ogf

$$\frac{1}{(5\,x-1)\,(-1+2\,x)\,(12\,x-1)\,(11\,x-1)}$$

Sequence: A026313
Score: 6.12696
Type of gen. func.: ogf

$$(2\,x^{12}+x^{11}+2\,x^{10}+x^{9}+2\,x^{8}+x^{7}+3\,x^{6}+3\,x^{5}+x^{4}+2\,x^{3}+x^{2}+2\,x+1)\Big/\left((x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)\,(x-1)^{2}\right)$$

Sequence: A026314
Score: 6.56109
Type of gen. func.: ogf

$$\frac{x\,(2\,x^{8}+x^{7}+3\,x^{6}+3\,x^{5}+3\,x^{4}+3\,x^{3}+3\,x^{2}+3\,x+1)}{(x^{2}+x+1)\,(x^{6}+x^{3}+1)\,(x-1)^{2}}$$

Sequence: A026315
Score: 5.77995
Type of gen. func.: ogf

$$\frac{x\,(3\,x^{10} + 3\,x^{9} + 3\,x^{8} + 3\,x^{7} + x^{6} + 2\,x^{5} + x^{4} + 2\,x^{3} + x^{2} + 2\,x + 1)}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)\,(x - 1)^{2}}$$

Sequence: A026316
Score: 5.50617
Type of gen. func.: ogf

$$\frac{2\,x^{11} + 3\,x^{10} + x^{9} + 2\,x^{8} + x^{7} + 2\,x^{6} + x^{5} + 2\,x^{4} + x^{3} + 3\,x^{2} + 3\,x + 1}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)\,(x - 1)^{2}}$$

Sequence: A026317
Score: 5.57979
Type of gen. func.: ogf

$$\frac{x\,(x^{10} + 2\,x^{9} + x^{8} + 3\,x^{7} + 3\,x^{6} + 3\,x^{5} + 3\,x^{4} + x^{3} + 2\,x^{2} + x + 2)}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)\,(x - 1)^{2}}$$

Sequence: A026324
Score: 3.73585
Type of gen. func.: ogf

$$(7501077151679\,f(x) + 901569166848)$$

$$(672\,f(x)\,x^{4} - 628\,f(x)\,x^{3} + 188\,f(x)\,x^{2} - 23\,f(x)\,x + f(x) - 1)$$

Sequence: A026324
Score: 8.67111
Type of gen. func.: lgdogf

$$-\frac{2688\,x^{3} - 1884\,x^{2} + 376\,x - 23}{(6\,x - 1)\,(-1 + 2\,x)\,(8\,x - 1)\,(7\,x - 1)}$$

Sequence: A026324
Score: 9.80661
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (-1 + 2 x) (8 x - 1) (7 x - 1)}$$

Sequence: A026326
Score: 3.82725
Type of gen. func.: ogf

$$(331960545169 f(x) + 35460248607)$$

$$(756 f(x) x^4 - 696 f(x) x^3 + 203 f(x) x^2 - 24 f(x) x + f(x) - 1)$$

Sequence: A026326
Score: 8.35984
Type of gen. func.: lgdogf

$$- \frac{2 (1512 x^3 - 1044 x^2 + 203 x - 12)}{(6 x - 1) (9 x - 1) (-1 + 2 x) (7 x - 1)}$$

Sequence: A026326
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (9 x - 1) (-1 + 2 x) (7 x - 1)}$$

Sequence: A026329
Score: 3.71599
Type of gen. func.: ogf

$$- (x - 1) (x^6 - 6 x^5 - 13 x^4 + 8 x^3 + 8 x^2 - 6 x + 1) \Big/ ($$

$$(x^6 - 3 x^5 - 5 x^4 + 8 x^3 + 4 x^2 - 5 x + 1)$$

$$(7 x^6 + 7 x^5 - 21 x^4 + 14 x^2 - 7 x + 1))$$

Sequence: A026337

Score: 11.1503
Type of gen. func.: ogf

$$-64 f(x) x^2 + 20 f(x) x - f(x) + 6 x$$

Sequence: A026337
Score: 12.6666
Type of gen. func.: revogf

$$-\frac{-10 x - 3 + (2 x + 3)^{1/2} (6 x + 1)^{1/2} 3^{1/2}}{64 x}$$

Sequence: A026337
Score: 17.4402
Type of gen. func.: ogf

$$\frac{6 x}{(16 x - 1) (-1 + 4 x)}$$

Sequence: A026337
Score: 23.1494
Type of gen. func.: lgdogf

$$-\frac{4 (-5 + 32 x)}{(16 x - 1) (-1 + 4 x)}$$

Sequence: A026337
Score: 8.19477
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1) + 64 a(n), a(0) = 0, a(1) = 6\}$$

Sequence: A026375
Score: 17.0710
Type of gen. func.: revogf

$$-\frac{(-3 x + (4 x^2 + 1)^{1/2}) x}{2}$$

$$5 x - 1$$

Sequence: A026375
Score: 26.7198
Type of gen. func.: lgdogf

$$-\frac{-3 + 5 x}{(5 x - 1) (x - 1)}$$

Sequence: A026375
Score: 4.09868
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 3) + (15 + 6 n) a(n + 2) + (-10 - 5 n) a(n + 1), a(0) = 1, a(1) = 3, a(2) = 11\}$$

Sequence: A026375
Score: 9.95395
Type of gen. func.: ogf

$$5 f(x)^2 x^2 - 6 f(x)^2 x + f(x)^2 - 1$$

Sequence: A026376
Score: 4.06084
Type of gen. func.: ogf

$$\{(-5 n^2 - 35 n - 60) a(n + 1) + (6 n^2 + 45 n + 84) a(n + 2) + (-n^2 - 8 n - 15) a(n + 3), a(0) = 1, a(1) = 6, a(2) = 30\}$$

Sequence: A026376
Score: 6.46861
Type of gen. func.: ogf

$$5 f(x)^2 x^4 - 6 f(x)^2 x^3 + f(x)^2 x^2 + 5 f(x) x^2 - 6 f(x) x + f(x) - 1$$

Sequence: A026377
Score: 3.16098
Type of gen. func.: ogf

$$\{(-5 n^2 - 45 n - 100) a(n + 1) + (6 n^2 + 57 n + 135) a(n + 2) + (-n^2 - 10 n - 21) a(n + 3), a(0) = 1, a(1) = 9, a(2) = 58\}$$

Sequence: A026378
Score: 30.0111
Type of gen. func.: revogf

$$\frac{x (x + 1)}{5 x^2 + 5 x + 1}$$

Sequence: A026378
Score: 4.20114
Type of gen. func.: ogf

$$\{(-10 - 5 n) a(n + 1) + (6 n + 20) a(n + 2) + (-n - 4) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 17\}$$

Sequence: A026378
Score: 6.49725
Type of gen. func.: lgdogf

$$- \frac{5 x - 1 + 10 (5 x - 1)^{1/2} (x - 1)^{1/2} x - (5 x - 1)^{1/2} (x - 1)^{1/2}}{2 (5 x - 1)^{3/2} (x - 1)^{1/2} x}$$

Sequence: A026378
Score: 8.34774
Type of gen. func.: ogf

$$5 f(x)^2 x^2 - f(x)^2 x + 5 f(x) x - f(x) + 1$$

Sequence: A026379
Score: 3.43259

Type of gen. func.: ogf

$$\{(-5 n^2 - 35 n - 60) a(n + 1) + (6 n^2 + 50 n + 104) a(n + 2) + (-n^2 - 9 n - 18) a(n + 3), a(0) = 1, a(1) = 7, a(2) = 39\}$$

Sequence: A026379
Score: 6.08935
Type of gen. func.: lgdogf

$$-\frac{15 x - 3 + 20 (5 x - 1)^{1/2} (x - 1)^{1/2} x - 3 (5 x - 1)^{1/2} (x - 1)^{1/2}}{2 (5 x - 1)^{3/2} (x - 1)^{1/2} x}$$

Sequence: A026379
Score: 6.47187
Type of gen. func.: ogf

$$-5 f(x)^2 x^4 + f(x)^2 x^3 + 10 f(x) x^2 - 7 f(x) x + f(x) - 1$$

Sequence: A026381
Score: 14.2944
Type of gen. func.: lgdogf

$$-\frac{15 x^3 + 17 x^2 + 18 x + 4}{(x - 1) (x + 1) (5 x^2 + 3 x + 1)}$$

Sequence: A026381
Score: 9.29418
Type of gen. func.: ogf

$$-\frac{5 x^2 + 3 x + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A026382

Score: 10.6241
Type of gen. func.: lgdogf

$$-\frac{52 x^4 + 53 x^3 + 77 x^2 + 28 x + 6}{(x - 1) (x + 1) (13 x^3 + 8 x^2 + 5 x + 1)}$$

Sequence: A026382
Score: 6.70458
Type of gen. func.: ogf

$$\frac{13 x^3 + 8 x^2 + 5 x + 1}{(x + 1)^3 (x - 1)^4}$$

Sequence: A026383
Score: 10.6288
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A026383
Score: 16.5912
Type of gen. func.: ogf

$$-\frac{2 x + 1}{5 x^2 - 1}$$

Sequence: A026383
Score: 16.6659
Type of gen. func.: revegf]

$$1/5\ 5^{1/2} (-\operatorname{arcsinh}(2) + \operatorname{arcsinh}(2 + 5 x))$$

Sequence: A026383
Score: 19.6069
Type of gen. func.: lgdogf

$$-\frac{2\,(5\,x^2+5\,x+1)}{(2\,x+1)\,(5\,x^2-1)}$$

Sequence: A026383
Score: 9.85854
Type of gen. func.: ogf

$$(15\,f(x)-23)\,(5\,f(x)\,x^2-f(x)+2\,x+1)$$

Sequence: A026384
Score: 13.6841
Type of gen. func.: lgdogf

$$-\frac{20\,x^3+5\,x^2-10\,x-3}{(x-1)\,(2\,x+1)\,(5\,x^2-1)}$$

Sequence: A026384
Score: 14.1895
Type of gen. func.: ogf

$$\frac{2\,x+1}{(x-1)\,(5\,x^2-1)}$$

Sequence: A026384
Score: 6.71468
Type of gen. func.: ogf

$$\{a(n+3)-a(n+2)-5\,a(n+1)+5\,a(n),\ a(0)=1,\ a(1)=3,\ a(2)=8\}$$

Sequence: A026384
Score: 7.23118
Type of gen. func.: ogf

$$(5\,f(x)-13)\,(5\,f(x)\,x^3-5\,f(x)\,x^2-f(x)\,x+f(x)-2\,x-1)$$

Sequence: A026385
Score: 10.0366
Type of gen. func.: ogf

$$-\frac{x^2 + x + 1}{x^4 + 3\,x^3 + x^2 - 1}$$

Sequence: A026385
Score: 10.2947
Type of gen. func.: lgdogf

$$-\frac{2\,x^5 + 6\,x^4 + 10\,x^3 + 10\,x^2 + 4\,x + 1}{(x^2 + x + 1)\,(x^4 + 3\,x^3 + x^2 - 1)}$$

Sequence: A026385
Score: 5.87727
Type of gen. func.: ogf

$$(9\,f(x) - 2)\,(f(x)\,x^4 + 3\,f(x)\,x^3 + f(x)\,x^2 + x^2 - f(x) + x + 1)$$

Sequence: A026387
Score: 26.8358
Type of gen. func.: revogf

$$\frac{x\,(x + 2)}{5\,x^2 + 10\,x + 4}$$

Sequence: A026387
Score: 3.93956
Type of gen. func.: ogf

$\{(-10 - 5\,n)\,a(n + 1) + (6\,n + 20)\,a(n + 2) + (-n - 4)\,a(n + 3),\ a(0) = 2,$

$a(1) = 8,\ a(2) = 34\}$

Sequence: A026387
Score: 6.08648
Type of gen. func.: lgdogf

$$-\frac{5x-1+10(5x-1)^{1/2}(x-1)^{1/2}x-(5x-1)^{1/2}(x-1)^{1/2}}{2(5x-1)^{3/2}(x-1)^{1/2}x}$$

Sequence: A026387
Score: 7.72761
Type of gen. func.: ogf

$$-5f(x)^2x^2+f(x)^2x-10f(x)x+2f(x)-4$$

Sequence: A026388
Score: 10.1791
Type of gen. func.: revogf

$$\frac{-1-6x+x^2+((x^2+6x+1)(x+1)^2)^{1/2}}{2(5x^2-5x-1)}$$

Sequence: A026388
Score: 6.08842
Type of gen. func.: ogf

$$5f(x)^2x^3-f(x)^2x^2-5f(x)x^2+6f(x)x-f(x)-x+1$$

Sequence: A026390
Score: 10.9499
Type of gen. func.: ogf

$$\frac{x^2+x+2}{(x-1)(x^2+x-1)}$$

Sequence: A026390

Score: 11.1100
Type of gen. func.: lgdogf

$$-\frac{x^4 + 2 x^3 + 8 x^2 - 2 x - 5}{(x - 1) (x^2 + x + 2) (x^2 + x - 1)}$$

Sequence: A026390
Score: 6.04525
Type of gen. func.: ogf

$$(71 f(x) - 121) (f(x) x^3 - 2 f(x) x - x^2 + f(x) - x - 2)$$

Sequence: A026390
Score: 6.10888
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 2, a(1) = 5, a(2) = 11\}$$

Sequence: A026391
Score: 3.44997
Type of gen. func.: ogf

$$(4192889501672 f(x) + 402715742625)$$

$$(840 f(x) x^4 - 764 f(x) x^3 + 218 f(x) x^2 - 25 f(x) x + f(x) - 1)$$

Sequence: A026391
Score: 7.87003
Type of gen. func.: lgdogf

$$-\frac{3360 x^3 - 2292 x^2 + 436 x - 25}{(6 x - 1) (-1 + 2 x) (7 x - 1) (10 x - 1)}$$

Sequence: A026391
Score: 9.05616
Type of gen. func.: ogf

$$\overline{(6 x - 1) (-1 + 2 x) (7 x - 1) (10 x - 1)}$$

Sequence: A026392
Score: 5.1018
Type of gen. func.: ogf

$$-5 f(x)^2 x^4 + f(x)^2 x^2 - 10 f(x) x^3 - 5 f(x) x^2 + 2 f(x) x - 4 x^2 + f(x) - 4 x - 1$$

Sequence: A026393
Score: 11.6103
Type of gen. func.: lgdogf

$$-\frac{6 x^4 + 9 x^3 + 23 x^2 + 12 x + 4}{(x - 1) (x + 1) (3 x^3 + 2 x^2 + 3 x + 1)}$$

Sequence: A026393
Score: 9.75704
Type of gen. func.: ogf

$$-\frac{3 x^3 + 2 x^2 + 3 x + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A026394
Score: 7.45339
Type of gen. func.: ogf

$$\frac{8 x^4 + 5 x^3 + 9 x^2 + 4 x + 1}{(x + 1)^3 (x - 1)^4}$$

Sequence: A026394
Score: 8.47363
Type of gen. func.: lgdogf

$$-\frac{24 x^5 + 28 x^4 + 82 x^3 + 48 x^2 + 29 x + 5}{(x - 1) (x + 1) (8 x^4 + 5 x^3 + 9 x^2 + 4 x + 1)}$$

Sequence: A026395
Score: 13.8130
Type of gen. func.: ogf

$$\frac{x^2 - 2 x - 1}{5 x^2 - 1}$$

Sequence: A026395
Score: 17.9252
Type of gen. func.: lgdogf

$$\frac{2 (5 x^2 + 4 x + 1)}{(5 x^2 - 1) (x^2 - 2 x - 1)}$$

Sequence: A026395
Score: 8.05761
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A026395
Score: 8.56757
Type of gen. func.: ogf

$$-(9 f(x) - 4) (5 f(x) x^2 - x^2 - f(x) + 2 x + 1)$$

Sequence: A026396
Score: 10.3854
Type of gen. func.: lgdogf

$$-\frac{25 x^4 - 40 x^3 - 20 x^2 + 20 x + 7}{}$$

$$(x - 1) (5 x^2 - 4 x - 3) (5 x^2 - 1)$$

Sequence: A026396
Score: 12.8352
Type of gen. func.: ogf

$$- \frac{5 x^2 - 4 x - 3}{(x - 1) (5 x^2 - 1)}$$

Sequence: A026396
Score: 6.74956
Type of gen. func.: ogf

$$-(5 f(x) + 18) (5 f(x) x^3 - 5 f(x) x^2 - f(x) x + 5 x^2 + f(x) - 4 x - 3)$$

Sequence: A026396
Score: 6.92876
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 5 a(n + 1) + 5 a(n), a(0) = 3, a(1) = 7, a(2) = 17\}$$

Sequence: A026397
Score: 5.46017
Type of gen. func.: ogf

$$-(53 f(x) - 1) (f(x) x^4 + 3 f(x) x^3 + f(x) x^2 + x^3 + 2 x^2 - f(x) + 2 x + 1)$$

Sequence: A026397
Score: 9.08158
Type of gen. func.: lgdogf

$$- \frac{x^6 + 4 x^5 + 11 x^4 + 16 x^3 + 14 x^2 + 6 x + 2}{(x + 1) (x^2 + x + 1) (x^4 + 3 x^3 + x^2 - 1)}$$

Sequence: A026397
Score: 9.27481
Type of gen. func.: ogf

$$-\frac{(x^2+x+1)(x+1)}{x^4+3x^3+x^2-1}$$

Sequence: A026418
Score: 7.80554
Type of gen. func.: ogf

$$f(x)^2 x^2 - f(x) x^2 + f(x) x + x^2 - f(x) - x + 1$$

Sequence: A026449
Score: 6.21657
Type of gen. func.: ogf

$$-\frac{3x^{26}-2x^{25}-x^{24}+2x^{21}-2x^{20}+x^7-x^5-x^3-2x-1}{(x+1)(x-1)^2}$$

Sequence: A026471
Score: 7.64079
Type of gen. func.: ogf

$$\frac{9x^{11}-7x^{10}+9x^8+7x^5+x^4+x^3+x^2+x+1}{(x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A026472
Score: 3.96140
Type of gen. func.: ogf

$$\frac{5x^6-3x^5+5x^4+3x^3+x+1}{(x+1)(x-1)^2}$$

Sequence: A026473
Score: 4.23250
Type of gen. func.: ogf

$$-\left(x^{15}+11x^{14}-12x^{13}-11x^{12}+11x^{11}+11x^{10}-10x^{9}-10x^{8}+6x^{7}-x^{6}-7x^{5}+x^{4}-x^{2}-x-1\right) \Big/ \left((x+1)(x-1)^{2}\right)$$

Sequence: A026474
Score: 12.7573
Type of gen. func.: ogf

$$\frac{3x^{4}+2x^{3}+x^{2}+1}{(x-1)^{2}}$$

Sequence: A026474
Score: 15.6369
Type of gen. func.: lgdogf

$$\frac{2\left(3x^{4}-5x^{3}-3x^{2}-x-1\right)}{(x-1)\left(3x^{4}+2x^{3}+x^{2}+1\right)}$$

Sequence: A026474
Score: 6.52931
Type of gen. func.: ogf

$\{a(n+5)-2a(n+4)+a(n+3),\ a(0)=1,\ a(1)=2,\ a(2)=4,\ a(3)=8,$

$a(4)=15\}$

Sequence: A026474
Score: 8.54869
Type of gen. func.: ogf

$$f(x)\left(-3x^{4}+f(x)x^{2}-2x^{3}-2f(x)x-x^{2}+f(x)-1\right)$$

Sequence: A026475
Score: 6.45611
Type of gen. func.: ogf

$$\frac{13 x^{14} - 11 x^{13} + 13 x^{10} - x^{8} + 12 x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + 2 x + 1}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A026476
Score: 10.4109
Type of gen. func.: lgdogf

$$\frac{12 x^{6} - 4 x^{5} - 32 x^{4} - 11 x^{3} - 13 x^{2} - 5 x - 3}{(x - 1) (x + 1) (6 x^{5} + 2 x^{4} + 3 x^{3} + 2 x + 1)}$$

Sequence: A026476
Score: 11.0265
Type of gen. func.: ogf

$$\frac{6 x^{5} + 2 x^{4} + 3 x^{3} + 2 x + 1}{(x + 1) (x - 1)^{2}}$$

Sequence: A026484
Score: 6.17769
Type of gen. func.: ogf

$$\frac{3 x^{5} + 1}{(x - 1)^{2}}$$

Sequence: A026484
Score: 8.76067
Type of gen. func.: lgdogf

$$\frac{9 x^{5} - 15 x^{4} - 2}{{}^{5}}$$

$$(x - 1) (3 x + 1)$$

Sequence: A026488
Score: 5.07392
Type of gen. func.: ogf

$$\frac{3 x^{4} - x^{2} + x + 1}{(x - 1)^{2}}$$

Sequence: A026488
Score: 7.21718
Type of gen. func.: lgdogf

$$\frac{6 x^{4} - 12 x^{3} + x - 3}{(x - 1) (3 x^{4} - x^{2} + x + 1)}$$

Sequence: A026488
Score: 7.58875
Type of gen. func.: ogf

$$-(51 f(x) + 139) (f(x) x^{2} - 2 x^{3} - 2 f(x) x + x^{2} + f(x) - x - 1)$$

Sequence: A026532
Score: 10.1528
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A026532
Score: 11.1128
Type of gen. func.: ogf

$$-(10 f(x) - 1) (6 f(x) x^{2} - f(x) + 3 x + 1)$$

Sequence: A026532
Score: 15.8483
Type of gen. func.: ogf

$$-\frac{3 x + 1}{6 x^2 - 1}$$

Sequence: A026532
Score: 16.7487
Type of gen. func.: revogf

$$\frac{-1 + (24 x^2 + 12 x + 1)^{1/2}}{6 (2 x + 1)}$$

Sequence: A026532
Score: 18.7191
Type of gen. func.: lgdogf

$$-\frac{3 (6 x^2 + 4 x + 1)}{(3 x + 1) (6 x^2 - 1)}$$

Sequence: A026534
Score: 12.6372
Type of gen. func.: ogf

$$\frac{3 x + 1}{(x - 1) (6 x^2 - 1)}$$

Sequence: A026534
Score: 16.0108
Type of gen. func.: lgdogf

$$-\frac{4 (9 x^3 - 3 x - 1)}{(x - 1) (3 x + 1) (6 x^2 - 1)}$$

Sequence: A026534
Score: 5.92719
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 6 a(n + 1) - 6 a(n), a(0) = 1, a(1) = 4, a(2) = 10\}$$

Sequence: A026534
Score: 6.25956
Type of gen. func.: ogf

$$-(3 f(x) + 7) (6 f(x) x^3 - 6 f(x) x^2 - f(x) x + f(x) - 3 x - 1)$$

Sequence: A026542
Score: 4.33006
Type of gen. func.: ogf

$$(1730721125005307 f(x) + 150924824459640)$$

$$(924 f(x) x^4 - 832 f(x) x^3 + 233 f(x) x^2 - 26 f(x) x + f(x) - 1)$$

Sequence: A026542
Score: 7.84581
Type of gen. func.: lgdogf

$$-\frac{2 (1848 x^3 - 1248 x^2 + 233 x - 13)}{(6 x - 1) (7 x - 1) (-1 + 2 x) (11 x - 1)}$$

Sequence: A026542
Score: 9.30912
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (7 x - 1) (-1 + 2 x) (11 x - 1)}$$

Sequence: A026543
Score: 3.60944
Type of gen. func.: ogf

$$(193475795293 f(x) + 15444088128)$$

$$(1008 f(x) x^4 - 900 f(x) x^3 + 248 f(x) x^2 - 27 f(x) x + f(x) - 1)$$

Sequence: A026543
Score: 8.18483
Type of gen. func.: lgdogf

$$- \frac{4032 x^3 - 2700 x^2 + 496 x - 27}{(12 x - 1) (6 x - 1) (-1 + 2 x) (7 x - 1)}$$

Sequence: A026543
Score: 9.24521
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (6 x - 1) (-1 + 2 x) (7 x - 1)}$$

Sequence: A026549
Score: 12.2054
Type of gen. func.: ogf

$$(15 f(x) - 11) (6 f(x) x^2 - f(x) + 2 x + 1)$$

Sequence: A026549
Score: 15.6044
Type of gen. func.: ogf

$$- \frac{2 x + 1}{6 x^2 - 1}$$

Sequence: A026549
Score: 16.9312
Type of gen. func.: revogf

$$\frac{-1 + (24 x^2 + 8 x + 1)^{1/2}}{4 (3 x + 1)}$$

Sequence: A026549
Score: 18.4251
Type of gen. func.: lgdogf

$$-\frac{2\,(6\,x^2 + 6\,x + 1)}{(2\,x + 1)\,(6\,x^2 - 1)}$$

Sequence: A026549
Score: 9.99659
Type of gen. func.: ogf

$$\{-a(n + 2) + 6\,a(n),\ a(0) = 1,\ a(1) = 2\}$$

Sequence: A026551
Score: 10.5359
Type of gen. func.: ogf

$$-\frac{3\,(2\,x^2 - 2\,x - 1)}{(x - 1)\,(6\,x^2 - 1)}$$

Sequence: A026551
Score: 10.8535
Type of gen. func.: lgdogf

$$-\frac{12\,x^4 - 24\,x^3 - 4\,x^2 + 8\,x + 3}{(x - 1)\,(6\,x^2 - 1)\,(2\,x^2 - 2\,x - 1)}$$

Sequence: A026551
Score: 5.54042
Type of gen. func.: ogf

$$-(9\,f(x) + 25)\,(6\,f(x)\,x^3 - 6\,f(x)\,x^2 - f(x)\,x + 6\,x^2 + f(x) - 6\,x - 3)$$

Sequence: A026551
Score: 5.68751
Type of gen. func.: ogf

$$\{-a(n+3) + a(n+2) + 6 a(n+1) - 6 a(n), a(0) = 3, a(1) = 9, a(2) = 21\}$$

Sequence: A026561
Score: 3.93583
Type of gen. func.: ogf

$$(8053052777 f(x) + 753090048)$$

$$(864 f(x) x^4 - 780 f(x) x^3 + 220 f(x) x^2 - 25 f(x) x + f(x) - 1)$$

Sequence: A026561
Score: 8.62523
Type of gen. func.: lgdogf

$$-\frac{3456 x^3 - 2340 x^2 + 440 x - 25}{(6 x - 1) (8 x - 1) (-1 + 2 x) (9 x - 1)}$$

Sequence: A026561
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (8 x - 1) (-1 + 2 x) (9 x - 1)}$$

Sequence: A026562
Score: 3.59525
Type of gen. func.: ogf

$$(635709140833 f(x) + 53432352000)$$

$$(960 f(x) x^4 - 856 f(x) x^3 + 236 f(x) x^2 - 26 f(x) x + f(x) - 1)$$

Sequence: A026562
Score: 7.84581
Type of gen. func.: lgdogf

$$-\frac{2\,(1920\,x^3 - 1284\,x^2 + 236\,x - 13)}{(6\,x - 1)\,(-1 + 2\,x)\,(8\,x - 1)\,(10\,x - 1)}$$

Sequence: A026562
Score: 9.30912
Type of gen. func.: ogf

$$\frac{1}{(6\,x - 1)\,(-1 + 2\,x)\,(8\,x - 1)\,(10\,x - 1)}$$

Sequence: A026565
Score: 13.3288
Type of gen. func.: ogf

$$-\frac{3\,x^2 + 3\,x + 1}{6\,x^2 - 1}$$

Sequence: A026565
Score: 15.9946
Type of gen. func.: lgdogf

$$-\frac{3\,(6\,x^2 + 6\,x + 1)}{(3\,x^2 + 3\,x + 1)\,(6\,x^2 - 1)}$$

Sequence: A026565
Score: 7.77513
Type of gen. func.: ogf

$$\{a(n + 3) - 6\,a(n + 1), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A026565
Score: 8.70816
Type of gen. func.: ogf

$$(5\,f(x) - 3)\,(6\,f(x)\,x^2 + 3\,x^2 - f(x) + 3\,x + 1)$$

Sequence: A026567
Score: 10.9963
Type of gen. func.: lgdogf

$$-\frac{18 x^4 + 36 x^3 + 3 x^2 - 18 x - 4}{(x - 1) (3 x^2 + 3 x + 1) (6 x^2 - 1)}$$

Sequence: A026567
Score: 11.0345
Type of gen. func.: ogf

$$\frac{3 x^2 + 3 x + 1}{(x - 1) (6 x^2 - 1)}$$

Sequence: A026567
Score: 5.75304
Type of gen. func.: ogf

$$-(6 f(x) + 139) (6 f(x) x^3 - 6 f(x) x^2 - f(x) x - 3 x^2 + f(x) - 3 x - 1)$$

Sequence: A026567
Score: 5.95667
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 6 a(n + 1) + 6 a(n), a(0) = 1, a(1) = 4, a(2) = 13\}$$

Sequence: A026569
Score: 20.0071
Type of gen. func.: lgdogf

$$-\frac{6 x^2 - 3 x - 1}{(x - 1) (4 x^2 + x - 1)}$$

Sequence: A026569
Score: 3.52206
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (7 + 2 n) a(n + 3) + (9 + 3 n) a(n + 2)$$

$$+ (-10 - 4 n) a(n + 1), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 5\}$$

Sequence: A026569
Score: 8.56598
Type of gen. func.: ogf

$$4 f(x)^2 x^3 - 3 f(x)^2 x^2 - 2 f(x)^2 x + f(x)^2 - 1$$

Sequence: A026570
Score: 5.87042
Type of gen. func.: ogf

$$4 f(x)^2 x^4 + f(x)^2 x^3 - f(x)^2 x^2 + 4 f(x) x^2 + f(x) x - f(x) + 1$$

Sequence: A026581
Score: 10.0269
Type of gen. func.: ogf

$$f(x) (4 f(x) x^2 + f(x) x - f(x) + 2 x + 1)$$

Sequence: A026581
Score: 16.4111
Type of gen. func.: revogf

$$\frac{-1 - x + (17 x^2 + 10 x + 1)^{1/2}}{4 (1 + 2 x)}$$

Sequence: A026581
Score: 17.1572
Type of gen. func.: ogf

$$1 + 2 x$$

$$- \frac{}{4 x^2 + x - 1}$$

Sequence: A026581
Score: 18.7555
Type of gen. func.: lgdogf

$$- \frac{8 x^2 + 8 x + 3}{(1 + 2 x) (4 x^2 + x - 1)}$$

Sequence: A026581
Score: 9.41551
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - 4 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A026583
Score: 12.0640
Type of gen. func.: ogf

$$\frac{1 + 2 x}{(x - 1) (4 x^2 + x - 1)}$$

Sequence: A026583
Score: 12.5242
Type of gen. func.: lgdogf

$$- \frac{2 (8 x^3 + 3 x^2 - 3 x - 2)}{(x - 1) (1 + 2 x) (4 x^2 + x - 1)}$$

Sequence: A026583
Score: 5.65835
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 3 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 4, a(2) = 11\}$$

Sequence: A026583
Score: 5.76029
Type of gen. func.: ogf

$$-(509 f(x) - 352) (4 f(x) x^3 - 3 f(x) x^2 - 2 f(x) x + f(x) - 2 x - 1)$$

Sequence: A026585
Score: 10.0005
Type of gen. func.: ogf

$$-4 f(x)^2 x^2 - f(x)^2 x + f(x)^2 + x - 1$$

Sequence: A026585
Score: 22.7529
Type of gen. func.: lgdogf

$$- \frac{2 x (x - 2)}{(x - 1) (4 x^2 + x - 1)}$$

Sequence: A026585
Score: 3.41855
Type of gen. func.: ogf

{(n + 4) a(n + 4) + (-2 n - 6) a(n + 3) + (-10 - 3 n) a(n + 2)

+ (6 + 4 n) a(n + 1), a(0) = 1, a(1) = 0, a(2) = 2, a(3) = 2}

Sequence: A026596
Score: 4.2403
Type of gen. func.: ogf

$$16 f(x)^2 x^4 + 8 f(x)^2 x^3 - 7 f(x)^2 x^2 + 4 f(x) x^3 - 2 f(x)^2 x + 5 f(x) x^2 - x^3$$
$$+ f(x)^2 + x^2 - f(x) + x$$

Sequence: A026597
Score: 14.6617

Type of gen. func.: ogf

$$-\frac{x + 1}{4 x^2 + x - 1}$$

Sequence: A026597
Score: 16.5756
Type of gen. func.: revogf

$$\frac{-1 - x + (17 x^2 + 6 x + 1)^{1/2}}{2 (1 + 4 x)}$$

Sequence: A026597
Score: 18.4699
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^2 + 4 x + 1)}{(x + 1) (4 x^2 + x - 1)}$$

Sequence: A026597
Score: 7.67182
Type of gen. func.: ogf

$$(13 f(x) - 9) (4 f(x) x^2 + f(x) x - f(x) + x + 1)$$

Sequence: A026597
Score: 8.04605
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 4 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A026599
Score: 12.8258
Type of gen. func.: ogf

$$\frac{x + 1}{}$$

$$(x-1)(4x^2+x-1)$$

Sequence: A026599
Score: 14.4878
Type of gen. func.: lgdogf

$$-\frac{8x^3+9x^2-6x-3}{(x-1)(x+1)(4x^2+x-1)}$$

Sequence: A026599
Score: 6.06937
Type of gen. func.: ogf

$$\{a(n+3)-2a(n+2)-3a(n+1)+4a(n),\ a(0)=1,\ a(1)=3,\ a(2)=9\}$$

Sequence: A026599
Score: 6.59971
Type of gen. func.: ogf

$$(f(x)+8)(4f(x)x^3-3f(x)x^2-2f(x)x+f(x)-x-1)$$

Sequence: A026616
Score: 12.2632
Type of gen. func.: lgdogf

$$-\frac{(-x+2+(1-4x)^{1/2})(3+2x)}{(x^2+3)(4x-1)}$$

Sequence: A026616
Score: 3.68881
Type of gen. func.: ogf

$$\{(-8n^2+4n)a(n)+(-10n^2-30n-20)a(n+1)+(3n^2+9n+6)a(n+2),\ a(0)=1,\ a(1)=3\}$$

Sequence: A026616
Score: 6.96776
Type of gen. func.: ogf

$$-4 f(x)^2 x + f(x)^2 - 8 f(x) x - x^2 + 2 f(x) - 3$$

Sequence: A026617
Score: 4.06716
Type of gen. func.: ogf

$$-4 f(x)^2 x^3 + f(x)^2 x^2 - 8 f(x) x^3 + 6 f(x) x^2 - 4 x^3 - 9 f(x) x + 4 x^2 + 2 f(x) - 5 x - 2$$

Sequence: A026619
Score: 4.93989
Type of gen. func.: ogf

$$-4 f(x)^2 x^2 + f(x)^2 x - 4 f(x) x^2 - 7 f(x) x - x^2 + 2 f(x) - 4 x - 2$$

Sequence: A026620
Score: 3.13849
Type of gen. func.: ogf

$$4 f(x)^2 x^4 - f(x)^2 x^3 + 8 f(x) x^4 + 2 f(x) x^3 + 4 x^4 - 13 f(x) x^2 + 3 x^3 + 11 f(x) x - 12 x^2 - 2 f(x) + 7 x + 2$$

Sequence: A026621
Score: 4.93479
Type of gen. func.: ogf

$$2 f(x)^2 x^2 + 2 f(x) x^3 + x^4 - f(x)^2 x + 3 f(x) x^2 + 2 x^3 + 2 f(x) x + x^2 - 2 f(x) + x + 2$$

Sequence: A026622

Score: 12.5530
Type of gen. func.: ogf

$$\frac{x^3 + x^2 - x + 1}{(-1 + 2 x) (x - 1)}$$

Sequence: A026622
Score: 13.5257
Type of gen. func.: lgdogf

$$\frac{2 (x^4 - 3 x^3 + x^2 - x + 1)}{(x - 1) (-1 + 2 x) (x^3 + x^2 - x + 1)}$$

Sequence: A026622
Score: 6.65857
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 3) + 2 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 12\}$$

Sequence: A026622
Score: 7.43432
Type of gen. func.: ogf

$$(17 f(x) - 10) (2 f(x) x^2 - x^3 - 3 f(x) x - x^2 + f(x) + x - 1)$$

Sequence: A026624
Score: 13.1883
Type of gen. func.: lgdogf

$$- \frac{7 x^3 - 5 x^2 + 5 x - 3}{(x - 1) (-1 + 2 x) (x^3 + x^2 - x + 1)}$$

Sequence: A026624
Score: 4.96115
Type of gen. func.: ogf

$\{a(n + 4) - 4 a(n + 3) + 5 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 8, a(3) = 20\}$

Sequence: A026624
Score: 5.4986
Type of gen. func.: ogf

$$(-1 + 53 f(x)) (2 f(x) x^3 - 5 f(x) x^2 + x^3 + 4 f(x) x + x^2 - f(x) - x + 1)$$

Sequence: A026624
Score: 9.56280
Type of gen. func.: ogf

$$- \frac{x^3 + x^2 - x + 1}{(-1 + 2 x) (x - 1)^2}$$

Sequence: A026625
Score: 7.96806
Type of gen. func.: lgdogf

$$\frac{x^8 + 2 x^7 - 6 x^6 - 6 x^5 + x^4 - 2 x^3 + x^2 + 2 x + 1}{(x - 1) (x + 1) (x^2 + x - 1) (x^5 + x^4 + x^3 - x^2 + 1)}$$

Sequence: A026625
Score: 9.09716
Type of gen. func.: ogf

$$\frac{x^5 + x^4 + x^3 - x^2 + 1}{(x - 1) (x + 1) (x^2 + x - 1)}$$

Sequence: A026627
Score: 5.46854
Type of gen. func.: ogf

2 2 2 3 2 2

$$4 f(x) x + 7 f(x) x + x - 2 f(x) + 8 f(x) x - 4 x - 2 f(x) + 3 x + 4$$

Sequence: A026628
Score: 4.26528
Type of gen. func.: ogf

$$4 f(x)^2 x^4 + 7 f(x)^2 x^3 - 2 f(x)^2 x^2 + 4 f(x) x^3 + 3 f(x) x^2 + x^3 + 11 f(x) x - 4 x^2 - 3 f(x) + 7 x + 3$$

Sequence: A026630
Score: 4.13983
Type of gen. func.: ogf

$$4 f(x)^2 x^3 + 7 f(x)^2 x^2 + 4 f(x) x^3 - 2 f(x)^2 x + 11 f(x) x^2 + x^3 + 9 f(x) x + 4 x^2 - 3 f(x) + 5 x + 3$$

Sequence: A026633
Score: 10.6960
Type of gen. func.: lgdogf

$$\frac{2 (x^6 - x^5 - 3 x^4 + 2 x^3 - 3 x^2 + x + 1)}{(x - 1) (-1 + 2 x) (x + 1) (x^4 + 1)}$$

Sequence: A026633
Score: 11.6876
Type of gen. func.: ogf

$$\frac{x^4 + 1}{(x - 1) (-1 + 2 x) (x + 1)}$$

Sequence: A026633
Score: 4.56297
Type of gen. func.: ogf

$\{-a(n + 5) + 2 a(n + 4) + a(n + 3) - 2 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 5,$

a(3) = 10, a(4) = 22}

Sequence: A026633
Score: 6.0563
Type of gen. func.: ogf

$$(193 f(x) - 32) (2 f(x) x^{3} - x^{4} - f(x) x^{2} - 2 f(x) x + f(x) - 1)$$

Sequence: A026635
Score: 10.7801
Type of gen. func.: lgdogf

$$- \frac{3 x^{5} + 5 x^{4} - 4 x^{3} + 8 x^{2} - x - 3}{(x - 1) (-1 + 2 x) (x + 1) (x^{4} + 1)}$$

Sequence: A026635
Score: 12.1033
Type of gen. func.: ogf

$$- \frac{x^{4} + 1}{(x + 1) (-1 + 2 x) (x - 1)^{2}}$$

Sequence: A026635
Score: 5.95996
Type of gen. func.: ogf

$$-(161 f(x) + 62) (2 f(x) x^{4} - 3 f(x) x^{3} + x^{4} - f(x) x^{2} + 3 f(x) x - f(x) + 1)$$

Sequence: A026636
Score: 5.37528
Type of gen. func.: lgdogf

$$(x^{12} + 2 x^{11} - 4 x^{10} + 2 x^{9} - 8 x^{8} - 8 x^{7} + 5 x^{6} - 8 x^{5} + 2 x^{4} - 2 x^{3} + 3 x^{2} + 2 x + 1) / ((x - 1) (x + 1) (x^{2} + 1) (x^{2} + x - 1))$$

$$/$$

$$(x^{7} + x^{5} - x^{4} + x^{3} + 1))$$

Sequence: A026636
Score: 7.01927
Type of gen. func.: ogf

$$\frac{x^{7} + x^{5} - x^{4} + x^{3} + 1}{(x - 1)\ (x + 1)\ (x^{2} + 1)\ (x^{2} + x - 1)}$$

Sequence: A026638
Score: 3.70005
Type of gen. func.: ogf

$$\{(-24\ n^{2} - 36\ n)\ a(n) + (-46\ n^{2} - 78\ n - 20)\ a(n + 1) + (5\ n^{2} - 7\ n - 34)\ a(n + 2) + (2\ n^{2} + 10\ n + 12)\ a(n + 3),\ a(0) = 1,\ a(1) = 2,\ a(2) = 8\}$$

Sequence: A026638
Score: 6.48272
Type of gen. func.: ogf

$$-4\ f(x)^{2}\ x^{2} - 7\ f(x)^{2}\ x - 8\ f(x)\ x^{2} + 2\ f(x)^{2} - 6\ f(x)\ x - 4\ x^{2} + 2\ f(x) + x - 4$$

Sequence: A026639
Score: 3.64226
Type of gen. func.: ogf

$$-4\ f(x)^{2}\ x^{4} - 7\ f(x)^{2}\ x^{3} - 8\ f(x)\ x^{4} + 2\ f(x)^{2}\ x^{2} - 6\ f(x)\ x^{3} - 4\ x^{4} + 2\ f(x)\ x^{2} + x^{3} - 12\ f(x)\ x - 4\ x^{2} + 3\ f(x) - 3\ x - 3$$

Sequence: A026641

Score: 13.4234
Type of gen. func.: revogf

$$\frac{(-1 - 7 x + 3 (9 x^2 - 2 x + 1)^{1/2}) x}{2 (-1 + 2 x)^2}$$

Sequence: A026641
Score: 15.0214
Type of gen. func.: lgdogf

$$\frac{-8 x - 7 + 3 (1 - 4 x)^{1/2}}{2 (x + 2) (4 x - 1)}$$

Sequence: A026641
Score: 4.23537
Type of gen. func.: ogf

$$\{(4 n + 10) a(n + 1) + (7 n + 17) a(n + 2) + (-2 n - 6) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 4\}$$

Sequence: A026641
Score: 7.07445
Type of gen. func.: ogf

$$-4 f(x)^2 x^2 - 7 f(x)^2 x + 2 f(x)^2 + 4 f(x) x - f(x) - 1$$

Sequence: A026642
Score: 3.34223
Type of gen. func.: ogf

$$\{(-4 n^2 - 34 n - 72) a(n + 1) + (-7 n^2 - 59 n - 126) a(n + 2) + (2 n^2 + 18 n + 36) a(n + 3), a(0) = 1, a(1) = 7, a(2) = 28\}$$

Sequence: A026643
Score: 3.62739
Type of gen. func.: ogf

$$2 f(x)^2 x^4 - f(x)^2 x^3 + 4 f(x) x^4 + 4 f(x)^2 x^2 + 2 f(x) x^3 + 2 x^4 - 2 f(x)^2 x + 2 f(x) x^2 + 3 x^3 + 4 f(x) x - 3 f(x) + x + 3$$

Sequence: A026644
Score: 11.6192
Type of gen. func.: ogf

$$\frac{2 x^3 - x^2 + 1}{(x - 1) (-1 + 2 x) (x + 1)}$$

Sequence: A026644
Score: 14.5345
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^3 - x^2 - 1)}{(x - 1) (-1 + 2 x) (x + 1) (2 x^3 - x^2 + 1)}$$

Sequence: A026644
Score: 5.67854
Type of gen. func.: ogf

$$\{-a(n + 4) + 2 a(n + 3) + a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 10\}$$

Sequence: A026644
Score: 6.3466
Type of gen. func.: ogf

$$-(5 f(x) + 3) (2 f(x) x^3 - f(x) x^2 - 2 x^3 - 2 f(x) x + x^2 + f(x) - 1)$$

Sequence: A026646
Score: 10.6004
Type of gen. func.: lgdogf

$$-\frac{(2x^2 - x + 3)(2x^3 + x^2 - 1)}{(x - 1)(-1 + 2x)(x + 1)(2x^3 - x^2 + 1)}$$

Sequence: A026646
Score: 4.64021
Type of gen. func.: ogf

$-(107 f(x) - 14)$

$$(2 f(x) x^4 - 3 f(x) x^3 - f(x) x^2 + 2 x^3 + 3 f(x) x - x^2 - f(x) + 1)$$

Sequence: A026646
Score: 8.89903
Type of gen. func.: ogf

$$-\frac{2x^3 - x^2 + 1}{(x + 1)(-1 + 2x)(x - 1)^2}$$

Sequence: A026647
Score: 7.84158
Type of gen. func.: lgdogf

$$-\frac{2x^9 + x^8 + 4x^7 + 8x^6 + 4x^5 - 4x^3 - 2x - 1}{(x - 1)(x + 1)(x^2 + x - 1)(x^6 + x^5 + 1)(x^2 + 1)}$$

Sequence: A026647
Score: 8.40579
Type of gen. func.: ogf

$$\frac{x^6 + x^5 + 1}{(x - 1)(x + 1)(x^2 + 1)(x^2 + x - 1)}$$

Sequence: A026655
Score: 6.15455

Type of gen. func.: ogf

$$-(6 f(x) + 1) (2 f(x) x^4 + 4 f(x) x^2 + 2 x^3 + x^2 - f(x) + 2 x + 1)$$

Sequence: A026655
Score: 8.78643
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^6 + 2 x^5 + 2 x^4 + 4 x^3 + 7 x^2 + 5 x + 1)}{(1 + 2 x) (x^2 + 1) (2 x^4 + 4 x^2 - 1)}$$

Sequence: A026655
Score: 9.94197
Type of gen. func.: ogf

$$-\frac{(1 + 2 x) (x^2 + 1)}{2 x^4 + 4 x^2 - 1}$$

Sequence: A026657
Score: 7.24960
Type of gen. func.: lgdogf

$$-\frac{8 x^7 + 2 x^6 + 12 x^5 + 10 x^4 + 12 x^3 - x^2 - 10 x - 3}{(x - 1) (1 + 2 x) (x^2 + 1) (2 x^4 + 4 x^2 - 1)}$$

Sequence: A026657
Score: 7.40806
Type of gen. func.: ogf

$$\frac{(1 + 2 x) (x^2 + 1)}{(x - 1) (2 x^4 + 4 x^2 - 1)}$$

Sequence: A026658

Score: 5.13460
Type of gen. func.: lgdogf

$$-\left(2 x^{13} - 6 x^{12} - 4 x^{11} - 2 x^{10} + 10 x^{9} + 15 x^{8} + 10 x^{6} + 14 x^{5} + 9 x^{4} + 8 x^{3} + 8 x^{2} + 4 x + 1\right) \Big/ \left((x^{4} - 3 x^{3} + x^{2} - 1)(x^{2} + x + 1)(x^{8} - 4 x^{6} - x^{4} - 2 x^{2} + 1)\right)$$

Sequence: A026658
Score: 7.24093
Type of gen. func.: ogf

$$-\frac{(x^{2} + x + 1)(x^{4} - 3 x^{3} + x^{2} - 1)}{x^{8} - 4 x^{6} - x^{4} - 2 x^{2} + 1}$$

Sequence: A026671
Score: 10.6994
Type of gen. func.: lgdogf

$$\frac{2 - 7 x - 4 x^{2} + (-(4 x - 1)(-1 + 2 x)^{2})^{1/2}}{(4 x - 1)(x^{2} + 4 x - 1)}$$

Sequence: A026671
Score: 17.8324
Type of gen. func.: revogf

$$\frac{(-2 x + (5 x^{2} + 2 x + 1)^{1/2})\, x}{(x + 1)^{2}}$$

Sequence: A026671
Score: 3.24098
Type of gen. func.: ogf

$$\{(-10 - 4 n) a(n + 1) + (-15 n - 36) a(n + 2) + (8 n + 26) a(n + 3)$$
$$+ (-n - 4) a(n + 4), a(0) = 1, a(1) = 3, a(2) = 11, a(3) = 43\}$$

Sequence: A026671
Score: 9.6134
Type of gen. func.: ogf

$$f(x)^2 x^2 + 4 f(x)^2 x - f(x)^2 + 2 f(x) x + 1$$

Sequence: A026672
Score: 4.97849
Type of gen. func.: ogf

$$-f(x)^2 x^4 - 4 f(x)^2 x^3 + f(x)^2 x^2 + 2 f(x) x^2 - 5 f(x) x + f(x) - 1$$

Sequence: A026673
Score: 13.1952
Type of gen. func.: lgdogf

$$28 + 9 x + (6 x^2 + 20 x - 4) f(x) + (x^3 + 4 x^2 - x) f(x)^2$$

Sequence: A026674
Score: 7.69142
Type of gen. func.: ogf

$$-f(x)^2 x^3 - 4 f(x)^2 x^2 + f(x)^2 x - 5 f(x) x + f(x) - 1$$

Sequence: A026674
Score: 8.54359
Type of gen. func.: revogf

$$\frac{(1 + 5 x)^{1/2} (x + 1)^{1/2} + 2 (1 + 5 x)^{1/2} (x + 1)^{1/2} x - 1 - 5 x - 4 x^2}{2 x^2}$$

Sequence: A026675
Score: 8.43193
Type of gen. func.: lgdogf

$$-18 + 66 x + 25 x^2 + (20 x^3 + 59 x^2 - 28 x + 3) f(x)$$

$$+ (4 x^4 + 15 x^3 - 8 x^2 + x) f(x)^2$$

Sequence: A026704
Score: 5.04619
Type of gen. func.: ogf

$$-f(x)^2 x^3 + 6 f(x)^2 x^2 - 11 f(x)^2 x - 2 f(x) x^2 + 2 f(x)^2 + 6 f(x) x - 2 f(x)$$

$$- x$$

Sequence: A026707
Score: 4.58973
Type of gen. func.: ogf

$$-f(x)^2 x^4 + 6 f(x)^2 x^3 - 11 f(x)^2 x^2 + 2 f(x)^2 x + 2 f(x) x^2 - 7 f(x) x + f(x)$$

$$- 1$$

Sequence: A026726
Score: 8.34216
Type of gen. func.: ogf

$$-f(x)^2 x^2 - 4 f(x)^2 x + f(x)^2 + 3 f(x) x - f(x) - x$$

Sequence: A026727
Score: 3.40354
Type of gen. func.: ogf

$$(1705607354234681 f(x) + 130117046450688)$$

$$(1056 f(x) x^4 - 932 f(x) x^3 + 252 f(x) x^2 - 27 f(x) x + f(x) - 1)$$

Sequence: A026727
Score: 8.13986
Type of gen. func.: lgdogf

$$-\frac{3\,(1408\,x^3-932\,x^2+168\,x-9)}{(6\,x-1)\,(-1+2\,x)\,(11\,x-1)\,(8\,x-1)}$$

Sequence: A026727
Score: 9.19551
Type of gen. func.: ogf

$$\frac{1}{(6\,x-1)\,(-1+2\,x)\,(11\,x-1)\,(8\,x-1)}$$

Sequence: A026730
Score: 16.2437
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{11}+2\,x^7-x^5+x^3-x^2+x+1$$

Sequence: A026730
Score: 5.76102
Type of gen. func.: ogf

$$\frac{x\,(x^4-x^2+1)\,(x^2-x+1)^2\,(x^2+x+1)^3}{(x-1)^2\,(x+1)^2\,(x^2+1)^2\,(x^4+1)^2}$$

Sequence: A026737
Score: 10.2227
Type of gen. func.: revogf

$$-\frac{-1-5\,x+4\,x^2+((5\,x^2-2\,x+1)\,(-1+2\,x)^2)^{1/2}}{2\,(x+2)^2}$$

Sequence: A026737
Score: 5.35108
Type of gen. func.: ogf

$$-f(x)^2\,x^3-4\,f(x)^2\,x^2+f(x)^2\,x-4\,f(x)\,x^2+5\,f(x)\,x-f(x)-4\,x+1$$

Sequence: A026738
Score: 4.96471
Type of gen. func.: ogf

$$(4092253 f(x) + 285696)$$

$$(1152 f(x) x^4 - 1008 f(x) x^3 + 268 f(x) x^2 - 28 f(x) x + f(x) - 1)$$

Sequence: A026738
Score: 8.27477
Type of gen. func.: lgdogf

$$- \frac{4 (1152 x^3 - 756 x^2 + 134 x - 7)}{(12 x - 1) (6 x - 1) (-1 + 2 x) (8 x - 1)}$$

Sequence: A026738
Score: 9.18350
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (6 x - 1) (-1 + 2 x) (8 x - 1)}$$

Sequence: A026740
Score: 13.0661
Type of gen. func.: ogf

$$- \frac{4 x^2}{(8 x - 1) (-1 + 2 x) (4 x - 1)}$$

Sequence: A026740
Score: 14.7877
Type of gen. func.: lgdogf

$$- \frac{2 (96 x^2 - 56 x + 7)}{(8 x - 1) (-1 + 2 x) (4 x - 1)}$$

Sequence: A026740
Score: 5.55019
Type of gen. func.: ogf

{a(n + 3) - 14 a(n + 2) + 56 a(n + 1) - 64 a(n), a(0) = 0, a(1) = 0, a(2) = 4}

Sequence: A026740
Score: 8.31638
Type of gen. func.: ogf

$$64 f(x) x^3 - 56 f(x) x^2 + 14 f(x) x + 4 x^2 - f(x)$$

Sequence: A026741
Score: 15.5238
Type of gen. func.: ogf

$$\frac{x (x^2 + x + 1)}{(x + 1)^2 (x - 1)^2}$$

Sequence: A026741
Score: 22.2362
Type of gen. func.: lgdogf

$$- \frac{2 x^3 + 3 x^2 + 6 x + 1}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A026741
Score: 37.7640
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + 2 x + 1$$

Sequence: A026741
Score: 8.23436
Type of gen. func.: ogf

$$\{(n + 3) a(n + 1) + (-n - 1) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 1\}$$

Sequence: A026741
Score: 9.37574
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^{4} - 2 f(x) x^{2} - x^{3} - x^{2} + f(x) - x)$$

Sequence: A026743
Score: 3.84607
Type of gen. func.: ogf

$$2 f(x)^{2} x^{5} - f(x)^{2} x^{4} + 8 f(x)^{2} x^{3} + 4 f(x) x^{4} - 4 f(x)^{2} x^{2} - 2 f(x)^{2} x + 3 f(x) x^{2} + 2 x^{3} + f(x)^{2} + x^{2} - f(x)$$

Sequence: A026748
Score: 10.3783
Type of gen. func.: revogf

$$\frac{(-5 x - 5 x^{2} + ((x + 1) (4 x^{2} + x + 1) (x + 2)^{2})^{1/2}) x}{2 (x^{2} - x - 1)^{2}}$$

Sequence: A026765
Score: 3.96459
Type of gen. func.: ogf

$$-10 f(x)^{2} x^{4} + 5 f(x)^{2} x^{3} + 2 f(x)^{2} x^{2} - 10 f(x) x^{3} - f(x)^{2} x + 5 f(x) x^{2} + 2 f(x) x - 3 x^{2} - f(x) + x + 1$$

Sequence: A026770
Score: 8.77937
Type of gen. func.: revogf

3 2 4 3 2 2 1/2

```
       (-x  + 5 x  - 5 x + ((x  - 6 x  + 7 x  - 2 x + 1) (x - 2) )   ) x
       -----------------------------------------------------------------
                                           2
                                  2 (x - 1)
```

Sequence: A026781
Score: 8.30165
Type of gen. func.: revogf

```
          3      2             4      3      2                    2 1/2
       (-x  - 5 x  - 5 x + ((x  + 6 x  + 7 x  + 2 x + 1) (x + 2) )   ) x
       -----------------------------------------------------------------
                                           2
                                  2 (x + 1)
```

Sequence: A026795
Score: 3.61479
Type of gen. func.: ogf

```
(112526320808 f(x) + 8395923375)

                4             3             2
    (1080 f(x) x  - 948 f(x) x  + 254 f(x) x  - 27 f(x) x + f(x) - 1)
```

Sequence: A026795
Score: 8.01267
Type of gen. func.: lgdogf

```
                                3         2
                          4320 x  - 2844 x  + 508 x - 27
                  - ------------------------------------------
                    (6 x - 1) (-1 + 9 x) (-1 + 2 x) (10 x - 1)
```

Sequence: A026795
Score: 9.19551
Type of gen. func.: ogf

```
                                       1
                   ------------------------------------------
                   (6 x - 1) (-1 + 9 x) (-1 + 2 x) (10 x - 1)
```

Sequence: A026796
Score: 28.0387
Type of gen. func.: ogf_with_Euler_transform]

```
                                        2
```

$$-\frac{x}{x-1}$$

Sequence: A026797
Score: 25.0113
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^3}{x-1}$$

Sequence: A026799
Score: 15.6736
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{8\,x^5}{8+(-8\,O(1)+15)\,x^{58}-8\,x}$$

Sequence: A026802
Score: 31.6988
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^8}{x-1}$$

Sequence: A026803
Score: 31.9734
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^9}{x-1}$$

Sequence: A026806
Score: 11.1889
Type of gen. func.: lgdogf

7 6 5 4 3 2

$$-\frac{x + 3 x + 4 x - 2 x - 6 x - 6 x - 4 x - 2}{(x - 1) (x + 1) (x^2 + x + 1) (x^4 + x^3 - 2 x - 1)}$$

Sequence: A026806
Score: 12.6585
Type of gen. func.: ogf

$$-\frac{x^4 + x^3 - 2 x - 1}{(x^2 + x + 1) (x + 1) (x - 1)^2}$$

Sequence: A026809
Score: 5.06103
Type of gen. func.: ogf

$\{a(n + 3) - 39 a(n + 2) + 351 a(n + 1) - 729 a(n), a(0) = 0, a(1) = 1,$

$a(2) = 84\}$

Sequence: A026809
Score: 5.19422
Type of gen. func.: ogf

$$(84 f(x) + 1) (729 f(x) x^3 - 351 f(x) x^2 + 39 f(x) x + 45 x^2 - f(x) + x)$$

Sequence: A026809
Score: 8.58296
Type of gen. func.: lgdogf

$$-\frac{6 (10935 x^3 - 2268 x^2 - 117 x + 14)}{(-1 + 3 x) (-1 + 9 x) (27 x - 1) (45 x + 1)}$$

Sequence: A026809
Score: 9.39906
Type of gen. func.: ogf

$$-\frac{x (45 x + 1)}{(-1 + 3 x) (27 x - 1) (-1 + 9 x)}$$

Sequence: A026810
Score: 12.4274
Type of gen. func.: ogf

$$\frac{x^4}{(x^2+1)(x^2+x+1)(x+1)^2(x-1)^4}$$

Sequence: A026810
Score: 13.2292
Type of gen. func.: lgdogf

$$-\frac{(2x^2+x+1)(5x^3+3x^2+3x+1)}{(x-1)(x+1)(x^2+1)(x^2+x+1)}$$

Sequence: A026810
Score: 24.7484
Type of gen. func.: ogf_with_Euler_transform]

$$x^3+x^2+x+1$$

Sequence: A026811
Score: 20.2321
Type of gen. func.: ogf_with_Euler_transform]

$$x^4+x^3+x^2+x+1$$

Sequence: A026811
Score: 7.64447
Type of gen. func.: ogf

$$-\frac{x^5}{(x^4+x^3+x^2+x+1)(x^2+x+1)(x^2+1)(x+1)^2(x-1)^5}$$

```
--------------------------------------------------------------------------------

Sequence:  A026811
Score: 8.05070
Type of gen. func.: lgdogf


            4      3      2              5      4      3      2
        (3 x  + 2 x  + 3 x  + x + 1) (5 x  + 7 x  + 7 x  + 6 x  + 4 x + 1)
      - ------------------------------------------------------------------
                                 2            4    3    2            2
           (x - 1) (x + 1) (x  + x + 1) (x  + x  + x  + x + 1) (x  + 1)



--------------------------------------------------------------------------------

Sequence:  A026812
Score: 6.33717
Type of gen. func.: ogf


 6   /    2           4    3    2            2        2          2        3
x   /  ((x  - x + 1) (x  + x  + x  + x + 1) (x  + 1) (x  + x + 1)  (x + 1)
   /

           6
    (x - 1)  )



--------------------------------------------------------------------------------

Sequence:  A026817
Score: 14.7798
Type of gen. func.: ogf


                                     5 x + 6
                                   - --------
                                            3
                                     (x - 1)



--------------------------------------------------------------------------------

Sequence:  A026817
Score: 32.0079
Type of gen. func.: lgdogf


                                    23 + 10 x
                              - -----------------
                                (5 x + 6) (x - 1)



--------------------------------------------------------------------------------

Sequence:  A026817
Score: 6.87129
Type of gen. func.: ogf


  {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 6, a(1) = 23, a(2) = 51}



--------------------------------------------------------------------------------
```

Sequence: A026817
Score: 6.9321
Type of gen. func.: ogf

$$(111683 f(x) - 855948) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 5 x + 6)$$

Sequence: A026823
Score: 3.44477
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^5 + x^3 + x^2}{x^2 - 1}$$

Sequence: A026824
Score: 15.7296
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^7 + x^4 + x^3}{x^2 - 1}$$

Sequence: A026825
Score: 15.8222
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^9 - x^5 - x^4}{-x^2 + 1}$$

Sequence: A026826
Score: 14.8698
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^{11} + x^6 + x^5}{x^2 - 1}$$

Sequence: A026831
Score: 14.5422
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{21}-x^{11}-x^{10}}{-x^{2}+1}$$

Sequence: A026834
Score: 5.25046
Type of gen. func.: lgdogf

$$\frac{x^{9}+x^{8}-2\,x^{7}-8\,x^{6}-8\,x^{5}+2\,x^{4}+11\,x^{3}+9\,x^{2}+5\,x+1}{(x-1)\,(x+1)\,(x^{2}+x+1)\,(x^{6}+x^{5}-x^{2}-x-1)}$$

Sequence: A026834
Score: 6.16226
Type of gen. func.: ogf

$$-\frac{x^{6}+x^{5}-x^{2}-x-1}{(x^{2}+x+1)\,(x+1)\,(x-1)^{2}}$$

Sequence: A026841
Score: 8.06882
Type of gen. func.: lgdogf

$$-88+331\,x+100\,x^{2}+(40\,x^{3}+134\,x^{2}-68\,x+8)\,f(x)$$

$$+\,(4\,x^{4}+15\,x^{3}-8\,x^{2}+x)\,f(x)^{2}$$

Sequence: A026842
Score: 8.66385
Type of gen. func.: lgdogf

$$-54+201\,x+64\,x^{2}+(32\,x^{3}+104\,x^{2}-52\,x+6)\,f(x)$$

4 3 2 2

$$+ (4 x + 15 x - 8 x + x) f(x)$$

Sequence: A026843
Score: 8.61215
Type of gen. func.: lgdogf

$$-40 + 148 x + 49 x^{2} + (28 x^{3} + 89 x^{2} - 44 x + 5) f(x)$$

$$+ (4 x^{4} + 15 x^{3} - 8 x^{2} + x) f(x)^{2}$$

Sequence: A026844
Score: 8.74637
Type of gen. func.: lgdogf

$$-70 + 262 x + 81 x^{2} + (36 x^{3} + 119 x^{2} - 60 x + 7) f(x)$$

$$+ (4 x^{4} + 15 x^{3} - 8 x^{2} + x) f(x)^{2}$$

Sequence: A026846
Score: 8.66385
Type of gen. func.: lgdogf

$$-54 + 201 x + 64 x^{2} + (32 x^{3} + 104 x^{2} - 52 x + 6) f(x)$$

$$+ (4 x^{4} + 15 x^{3} - 8 x^{2} + x) f(x)^{2}$$

Sequence: A026848
Score: 8.06882
Type of gen. func.: lgdogf

$$-88 + 331 x + 100 x^{2} + (40 x^{3} + 134 x^{2} - 68 x + 8) f(x)$$

$$+ (4 x^{4} + 15 x^{3} - 8 x^{2} + x) f(x)^{2}$$

Sequence: A026849
Score: 8.66385
Type of gen. func.: lgdogf

$$-54 + 201 x + 64 x^2 + (32 x^3 + 104 x^2 - 52 x + 6) f(x) + (4 x^4 + 15 x^3 - 8 x^2 + x) f(x)^2$$

Sequence: A026854
Score: 5.4404
Type of gen. func.: ogf

$$-f(x)^2 x^4 - 4 f(x)^2 x^3 + f(x)^2 x^2 - 12 f(x) x^2 + 7 f(x) x - f(x) - 4 x + 1$$

Sequence: A026915
Score: 12.5242
Type of gen. func.: lgdogf

$$- \frac{2 (x^3 + 45 x^2 - 9 x - 13)}{(x - 1) (-1 + 2 x) (x^2 + 22 x + 1)}$$

Sequence: A026915
Score: 12.5625
Type of gen. func.: ogf

$$- \frac{x^2 + 22 x + 1}{(-1 + 2 x) (x - 1)^2}$$

Sequence: A026915
Score: 6.54516
Type of gen. func.: ogf

$$(7347 f(x) - 68591) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x + x^2 - f(x) + 22 x + 1)$$

Sequence: A026915
Score: 6.77283
Type of gen. func.: ogf

{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 26, a(2) = 100}

Sequence: A026917
Score: 10.7754
Type of gen. func.: ogf

$$\frac{x^2 + 22 x + 1}{(-1 + 2 x) (x - 1)^3}$$

Sequence: A026917
Score: 12.4228
Type of gen. func.: lgdogf

$$- \frac{4 x^3 + 133 x^2 - 38 x - 27}{(x - 1) (-1 + 2 x) (x^2 + 22 x + 1)}$$

Sequence: A026917
Score: 5.42643
Type of gen. func.: ogf

$$(70486 f(x) + 701487)$$

$$(2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 - 5 f(x) x - x^2 + f(x) - 22 x - 1)$$

Sequence: A026918
Score: 5.94384
Type of gen. func.: lgdogf

$$- \frac{2 x^7 + 37 x^6 + 126 x^5 + 138 x^4 + 24 x^3 - 54 x^2 - 56 x - 13}{(x - 1) (x + 1) (x^2 + x - 1) (x^4 + 12 x^3 + 25 x^2 + 12 x + 1)}$$

Sequence: A026918
Score: 6.01751
Type of gen. func.: ogf

$$- \frac{x^4 + 12 x^3 + 25 x^2 + 12 x + 1}{}$$

$$(x^2 + x - 1) (x + 1)^2 (x - 1)^2$$

Sequence: A026922
Score: 14.1693
Type of gen. func.: ogf

$$\frac{x (x^2 - x + 1)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A026922
Score: 16.2891
Type of gen. func.: lgdogf

$$- \frac{x (3 x^4 - 3 x^3 + 5 x^2 + x + 2)}{(x - 1) (x + 1) (x^2 + 1) (x^2 - x + 1)}$$

Sequence: A026922
Score: 24.8227
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^3 + x^2 + x$$

Sequence: A026923
Score: 5.34311
Type of gen. func.: lgdogf

$$- \frac{x (7 x^{10} + x^9 + 17 x^8 - 7 x^7 + 26 x^6 - 6 x^5 + 21 x^4 - x^3 + 11 x^2 + x + 2)}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 + x^2 - x + 1)}$$

Sequence: A026923
Score: 5.66803
Type of gen. func.: ogf

$$x^2 (x^4 + x^2 - x + 1)$$

$$-\frac{}{(x^2+1)\,(x^2+x+1)\,(x^2-x+1)\,(x+1)^2\,(x-1)^3}$$

Sequence: A026924
Score: 4.40557
Type of gen. func.: ogf

$$\frac{x^3\,(x^6-2\,x^5+2\,x^4-x^3+2\,x^2-2\,x+1)}{(x^2+x+1)\,(x^2-x+1)\,(x^4+1)\,(x^2+1)\,(x+1)^2\,(x-1)^4}$$

Sequence: A026927
Score: 5.16153
Type of gen. func.: ogf

$$-\frac{x^3\,(x^4-x^3+x^2+1)}{(x^2+1)\,(x^2+x+1)\,(x^2-x+1)\,(x+1)^2\,(x-1)^3}$$

Sequence: A026928
Score: 13.3201
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9+x^7+x^5+x^4+x+1$$

Sequence: A026928
Score: 4.52349
Type of gen. func.: ogf

$$\frac{x^4\,(x^4-x^3+x^2-x+1)}{(x^2+x+1)\,(x^2-x+1)\,(x^4+1)\,(x^2+1)\,(x+1)^2\,(x-1)^4}$$

Sequence: A026933
Score: 24.1904
Type of gen. func.: lgdogf

2

$$-\frac{2\,(x - 4\,x - 1)}{(x + 1)\,(x^2 - 6\,x + 1)}$$

Sequence: A026933
Score: 4.05579
Type of gen. func.: ogf

$$\{(-n - 4)\,a(n + 4) + (17 + 5\,n)\,a(n + 3) + (18 + 5\,n)\,a(n + 2) + (-3 - n)\,a(n + 1),\ a(0) = 1,\ a(1) = 2,\ a(2) = 11,\ a(3) = 52\}$$

Sequence: A026933
Score: 8.11157
Type of gen. func.: ogf

$$f(x)^2\,x^4 - 4\,f(x)^2\,x^3 - 10\,f(x)^2\,x^2 - 4\,f(x)^2\,x + f(x)^2 - 1$$

Sequence: A026937
Score: 10.7520
Type of gen. func.: ogf

$$-\frac{x - 1}{(x^2 + 2\,x - 1)^2}$$

Sequence: A026937
Score: 19.4754
Type of gen. func.: lgdogf

$$-\frac{3\,x^2 - 2\,x - 3}{(x - 1)\,(x^2 + 2\,x - 1)}$$

Sequence: A026937
Score: 3.43388
Type of gen. func.: ogf

$$\{(n + 4)\,a(n + 4) + (-12 - 3\,n)\,a(n + 3) + n\,a(n + 2) + (n + 4)\,a(n + 1),\ a(0) = 1,\ a(1) = 3,\ a(2) = 10,\ a(3) = 30\}$$

Sequence: A026937
Score: 5.20533
Type of gen. func.: ogf

$$(1096 f(x) + 197) (f(x) x^4 + 4 f(x) x^3 + 2 f(x) x^2 - 4 f(x) x + f(x) + x - 1)$$

Sequence: A026945
Score: 18.0826
Type of gen. func.: revogf

$$- \frac{x (x - 1) (-1 + 2 x)^2}{3 x^2 - 3 x + 1}$$

Sequence: A026950
Score: 11.3521
Type of gen. func.: ogf

$$- \frac{5 x^3 - 3 x - 1}{(5 x^2 - 1)^2}$$

Sequence: A026950
Score: 13.3968
Type of gen. func.: lgdogf

$$- \frac{25 x^4 - 30 x^2 - 20 x - 3}{(5 x^2 - 1) (5 x^3 - 3 x - 1)}$$

Sequence: A026950
Score: 5.67603
Type of gen. func.: ogf

$$\{(-5 n - 25) a(n + 1) + (n + 3) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 10\}$$

Sequence: A026950
Score: 7.05024
Type of gen. func.: ogf

$$(6 f(x) - 1) (25 f(x) x^4 - 10 f(x) x^2 + 5 x^3 + f(x) - 3 x - 1)$$

Sequence: A026955
Score: 10.9567
Type of gen. func.: lgdogf

$$\frac{25 x^4 - 30 x^2 - 16 x - 3}{(5 x^2 - 1) (5 x^4 - 5 x^3 - 2 x^2 + 3 x + 1)}$$

Sequence: A026955
Score: 5.78751
Type of gen. func.: ogf

$$(120 f(x) - 79) (25 f(x) x^4 - 5 x^4 - 10 f(x) x^2 + 5 x^3 + 2 x^2 + f(x) - 3 x - 1)$$

Sequence: A026955
Score: 8.79701
Type of gen. func.: ogf

$$\frac{5 x^4 - 5 x^3 - 2 x^2 + 3 x + 1}{(5 x^2 - 1)^2}$$

Sequence: A026960
Score: 7.12936
Type of gen. func.: lgdogf

$$\frac{6 x^6 - 27 x^5 + 45 x^4 - 27 x^3 + 9 x^2 - 7 x + 3}{(x - 1) (-1 + 2 x) (3 x^5 - 4 x^4 - 3 x^3 + 5 x^2 - 3 x + 1)}$$

Sequence: A026960
Score: 8.06084
Type of gen. func.: ogf

$$\frac{3 x^5 - 4 x^4 - 3 x^3 + 5 x^2 - 3 x + 1}{(-1 + 2 x)^2 (x - 1)^2}$$

Sequence: A026965
Score: 5.62193
Type of gen. func.: lgdogf

$$\frac{6 x^9 - 9 x^8 - 16 x^7 + 30 x^6 + 24 x^5 - 38 x^4 + 24 x^3 - 18 x^2 + 2 x + 3}{(x - 1) (-1 + 2 x) (x + 1) (3 x^7 - 2 x^6 - 5 x^5 + 3 x^4 - x^3 - x + 1)}$$

Sequence: A026965
Score: 5.64095
Type of gen. func.: ogf

$$\frac{3 x^7 - 2 x^6 - 5 x^5 + 3 x^4 - x^3 - x + 1}{(x - 1)^2 (-1 + 2 x)^2 (x + 1)^2}$$

Sequence: A026970
Score: 5.61217
Type of gen. func.: ogf

$$\frac{4 x^6 - 4 x^5 - 7 x^4 + 7 x^3 - 2 x^2 - x + 1}{(x - 1)^2 (-1 + 2 x)^2 (x + 1)^2}$$

Sequence: A026970
Score: 7.22645
Type of gen. func.: lgdogf

$$\frac{6 x^5 + 31 x^4 - 36 x^3 + 6 x^2 - 2 x + 3}{(x - 1) (-1 + 2 x) (x + 1) (4 x^6 - 4 x^5 - 7 x^4 + 7 x^3 - 2 x^2 - x + 1)}$$

Sequence: A026975
Score: 5.28069
Type of gen. func.: lgdogf

$$-\frac{4x^{10}+36x^{8}+16x^{7}-36x^{6}-24x^{5}+4x^{4}-24x^{3}-39x^{2}-20x-3}{(2x^{4}+4x^{2}-1)(2x^{7}+10x^{5}+2x^{4}-x^{3}-2x^{2}-3x-1)}$$

Sequence: A026975
Score: 5.89306
Type of gen. func.: ogf

$$-\frac{2x^{7}+10x^{5}+2x^{4}-x^{3}-2x^{2}-3x-1}{(2x^{4}+4x^{2}-1)^{2}}$$

Sequence: A027000
Score: 10.5100
Type of gen. func.: lgdogf

$$-\frac{6x^{4}-33x^{3}+43x^{2}+9x-13}{(x-1)(x^{2}-3x+1)(3x^{2}-8x-1)}$$

Sequence: A027000
Score: 4.64791
Type of gen. func.: ogf

$(10957425 f(x) + 15689644)$

$$(f(x)\,x^{4}-5\,f(x)\,x^{3}+8\,f(x)\,x^{2}-5\,f(x)\,x+3x^{2}+f(x)-8x-1)$$

Sequence: A027000
Score: 9.63264
Type of gen. func.: ogf

$$-\frac{3x^{2}-8x-1}{}$$

$$(x^2 - 3 x + 1) (x - 1)^2$$

Sequence: A027001
Score: 5.93489
Type of gen. func.: lgdogf

$$-\frac{21 x^5 - 79 x^4 - 31 x^3 + 273 x^2 - 62 x - 26}{(x - 1) (x + 1) (x^2 - 3 x + 1) (7 x^2 - 18 x - 1)}$$

Sequence: A027001
Score: 7.41384
Type of gen. func.: ogf

$$-\frac{(x + 1) (7 x^2 - 18 x - 1)}{(x^2 - 3 x + 1) (x - 1)^4}$$

Sequence: A027002
Score: 5.87124
Type of gen. func.: ogf

$$-\frac{11 x^4 + 6 x^3 - 78 x^2 - 34 x - 1}{(x^2 - 3 x + 1) (x - 1)^6}$$

Sequence: A027004
Score: 12.8620
Type of gen. func.: ogf

$$\frac{2 x^2 - 4 x - 1}{(x - 1) (x^2 - 3 x + 1)}$$

Sequence: A027004
Score: 6.48413
Type of gen. func.: ogf

$$-(2615 f(x) - 3903) (f(x) x^3 - 4 f(x) x^2 + 4 f(x) x - 2 x^2 - f(x) + 4 x + 1)$$

Sequence: A027004
Score: 6.94319
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 4 a(n + 1) + a(n), a(0) = 1, a(1) = 8, a(2) = 26\}$$

Sequence: A027004
Score: 9.44205
Type of gen. func.: lgdogf

$$-\frac{2 x^4 - 8 x^3 + 5 x^2 + 12 x - 8}{(x - 1) (x^2 - 3 x + 1) (2 x^2 - 4 x - 1)}$$

Sequence: A027005
Score: 6.30344
Type of gen. func.: lgdogf

$$-\frac{4 x^5 - 4 x^4 - 64 x^3 + 131 x^2 - 12 x - 19}{(x - 1) (x^2 - 3 x + 1) (2 x^3 - 13 x - 1)}$$

Sequence: A027005
Score: 9.39315
Type of gen. func.: ogf

$$\frac{2 x^3 - 13 x - 1}{(x^2 - 3 x + 1) (x - 1)^3}$$

Sequence: A027006
Score: 6.54428
Type of gen. func.: ogf

$$2 x^4 + 12 x^3 - 35 x^2 - 26 x - 1$$

$$\overline{(x^2 - 3x + 1)(x - 1)^5}$$

Sequence: A027007
Score: 3.00333
Type of gen. func.: ogf

$$\frac{2x^5 + 32x^4 - 35x^3 - 147x^2 - 43x - 1}{(x^2 - 3x + 1)(x - 1)^7}$$

Sequence: A027009
Score: 6.24643
Type of gen. func.: lgdogf

$$-\frac{4x^8 + 4x^7 - 13x^6 + 4x^5 - 4x^4 - 4x^3 + 32x^2 - 14x - 1}{(-1 + 2x)(x^2 + x - 1)(x^2 - x - 1)(2x^4 + x^3 - 4x^2 + x - 1)}$$

Sequence: A027009
Score: 7.13155
Type of gen. func.: ogf

$$\frac{2x^4 + x^3 - 4x^2 + x - 1}{(-1 + 2x)(x^2 + x - 1)(x^2 - x - 1)}$$

Sequence: A027010
Score: 8.23936
Type of gen. func.: lgdogf

$$-\frac{4x^7 - 7x^6 + 4x^5 + 2x^4 - 12x^3 + 4x^2 + 2x + 1}{(x - 1)(2x^3 - x^2 + 1)(x^4 - x^3 - 2x^2 + 1)}$$

Sequence: A027010
Score: 8.62243
Type of gen. func.: ogf

$$-\frac{2x^3 - x^2 + 1}{(x-1)(x^4 - x^3 - 2x^2 + 1)}$$

Sequence: A027012
Score: 7.24432
Type of gen. func.: ogf

$$\frac{x^5 - 6x^4 + 18x^3 - 24x^2 - 1}{(x^2 - 3x + 1)(x-1)^3}$$

Sequence: A027012
Score: 8.55349
Type of gen. func.: lgdogf

$$-\frac{10x^5 - 43x^4 + 12x^3 + 97x^2 - 34x - 6}{(x-1)(x^2 - 3x + 1)(x^5 - 6x^4 + 18x^3 - 24x^2 - 1)}$$

Sequence: A027013
Score: 5.37468
Type of gen. func.: ogf

$$\frac{x^7 - 8x^6 + 26x^5 - 36x^4 + 39x^3 - 69x^2 - 1}{(x^2 - 3x + 1)(x-1)^5}$$

Sequence: A027014
Score: 4.04109
Type of gen. func.: ogf

$$\frac{x^9 - 10x^8 + 43x^7 - 105x^6 + 174x^5 - 134x^4 - 14x^3 - 146x^2 - 1}{(x^2 - 3x + 1)(x-1)^7}$$

Sequence: A027016
Score: 4.68591
Type of gen. func.: ogf

$$-(16737720 f(x) + 39049663)$$

$$(f(x) x^4 - 5 f(x) x^3 - x^4 + 8 f(x) x^2 + 7 x^3 - 5 f(x) x - 11 x^2 + f(x) - 1)$$

Sequence: A027016
Score: 8.54151
Type of gen. func.: lgdogf

$$\frac{2 x^5 - 4 x^4 - 20 x^3 + 50 x^2 - 11 x - 5}{(x - 1) (x^4 - 7 x^3 + 11 x^2 + 1) (x^2 - 3 x + 1)}$$

Sequence: A027016
Score: 9.14323
Type of gen. func.: ogf

$$\frac{x^4 - 7 x^3 + 11 x^2 + 1}{(x^2 - 3 x + 1) (x - 1)^2}$$

Sequence: A027017
Score: 6.39781
Type of gen. func.: ogf

$$\frac{x^6 - 7 x^5 + 17 x^4 - 31 x^3 + 43 x^2 + 1}{(x^2 - 3 x + 1) (x - 1)^4}$$

Sequence: A027018
Score: 4.92892
Type of gen. func.: ogf

$$\frac{x^8 - 9 x^7 + 34 x^6 - 73 x^5 + 69 x^4 - 30 x^3 + 103 x^2 + 1}{(x^2 - 3 x + 1) (x - 1)^6}$$

Sequence: A027021
Score: 5.99848
Type of gen. func.: ogf

$$-\frac{4x^6-10x^4+x^3+x-1}{(x-1)(-1+2x)(x+1)(x^2+x-1)(x^2-x-1)}$$

Sequence: A027022
Score: 5.84777
Type of gen. func.: lgdogf

$$-\frac{2x^9+8x^8-10x^7-22x^6+6x^5+22x^4+10x^3-3x^2-8x-3}{(x-1)(x+1)(x^4-x^3-2x^2+1)(x^4+3x^3-x^2-3x-1)}$$

Sequence: A027022
Score: 8.06230
Type of gen. func.: ogf

$$\frac{x^4+3x^3-x^2-3x-1}{(x-1)(x+1)(x^4-x^3-2x^2+1)}$$

Sequence: A027024
Score: 10.9212
Type of gen. func.: ogf

$$\frac{(x+1)^3}{(x-1)(x^3+x^2+x-1)}$$

Sequence: A027024
Score: 14.4991
Type of gen. func.: lgdogf

$$x^4+4x^3+4x-5$$

$$-\frac{}{(x-1)(x+1)(x^3+x^2+x-1)}$$

Sequence: A027024
Score: 6.40571
Type of gen. func.: ogf

$$(241 f(x) - 22) (f(x) x^4 - x^3 - 2 f(x) x - 3 x^2 + f(x) - 3 x - 1)$$

Sequence: A027025
Score: 8.56926
Type of gen. func.: lgdogf

$$-\frac{(x + 1) (3 x^6 - 3 x^4 - 16 x^3 - 11 x^2 + 11)}{(x - 1) (3 x^4 - 2 x^2 - 8 x - 1) (x^3 + x^2 + x - 1)}$$

Sequence: A027025
Score: 8.74595
Type of gen. func.: ogf

$$\frac{3 x^4 - 2 x^2 - 8 x - 1}{(x^3 + x^2 + x - 1) (x - 1)^2}$$

Sequence: A027026
Score: 5.92284
Type of gen. func.: lgdogf

$$-\frac{5 x^8 - 4 x^7 - 10 x^6 - 28 x^5 + 28 x^4 + 52 x^3 + 50 x^2 - 20 x - 25}{(x - 1) (x^3 + x^2 + x - 1) (5 x^5 - 7 x^4 - 2 x^3 - 10 x^2 + 21 x + 1)}$$

Sequence: A027026
Score: 6.09754
Type of gen. func.: ogf

5   4   3   2

$$\frac{5 x - 7 x - 2 x - 10 x + 21 x + 1}{(x^3 + x^2 + x - 1) (x - 1)^3}$$

Sequence: A027053
Score: 12.9475
Type of gen. func.: ogf

$$\frac{(x + 1)^2}{(x - 1) (x^3 + x^2 + x - 1)}$$

Sequence: A027053
Score: 14.9412
Type of gen. func.: lgdogf

$$- \frac{2 (x^4 + 2 x^3 + x - 2)}{(x - 1) (x + 1) (x^3 + x^2 + x - 1)}$$

Sequence: A027053
Score: 7.22332
Type of gen. func.: ogf

$$(19 f(x) + 10) (f(x) x^4 - 2 f(x) x - x^2 + f(x) - 2 x - 1)$$

Sequence: A027054
Score: 7.72273
Type of gen. func.: ogf

$$\frac{2 x^4 + x^3 - x^2 - 5 x - 1}{(x^3 + x^2 + x - 1) (x - 1)^2}$$

Sequence: A027054
Score: 8.03533
Type of gen. func.: lgdogf

$$-\frac{2(x+1)(x^6+x^5-x^4-4x^3-4x^2-x+4)}{(x-1)(x^3+x^2+x-1)(2x^4+x^3-x^2-5x-1)}$$

Sequence: A027055
Score: 6.03053
Type of gen. func.: ogf

$$\frac{4x^5-5x^4-2x^3-8x^2+14x+1}{(x^3+x^2+x-1)(x-1)^3}$$

Sequence: A027055
Score: 6.07373
Type of gen. func.: lgdogf

$$-\frac{2(2x^8-x^7-4x^6-11x^5+5x^4+17x^3+18x^2-5x-9)}{(x-1)(x^3+x^2+x-1)(4x^5-5x^4-2x^3-8x^2+14x+1)}$$

Sequence: A027083
Score: 10.3565
Type of gen. func.: lgdogf

$$-\frac{2x^5+3x^4+4x^3+2x^2-2x-3}{(x-1)(x^2+x+1)(x^3+x^2+x-1)}$$

Sequence: A027083
Score: 12.5697
Type of gen. func.: ogf

$$\frac{2(x^2+x+1)}{(x-1)(x^3+x^2+x-1)}$$

Sequence: A027083

Score: 6.79789
Type of gen. func.: ogf

$$-(34 f(x) - 9) (f(x) x^4 - 2 f(x) x - 2 x^2 + f(x) - 2 x - 2)$$

Sequence: A027084
Score: 10.5072
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 3 x^4 + 4 x^3 + 2 x^2 - 2 x - 3}{(x - 1) (x^2 + x + 1) (x^3 + x^2 + x - 1)}$$

Sequence: A027084
Score: 12.7513
Type of gen. func.: ogf

$$\frac{x^2 + x + 1}{(x - 1) (x^3 + x^2 + x - 1)}$$

Sequence: A027084
Score: 6.89611
Type of gen. func.: ogf

$$-(68 f(x) - 9) (f(x) x^4 - 2 f(x) x - x^2 + f(x) - x - 1)$$

Sequence: A027085
Score: 8.74595
Type of gen. func.: ogf

$$\frac{x^3 - x^2 - x - 5}{(x^3 + x^2 + x - 1) (x - 1)^2}$$

Sequence: A027085
Score: 9.56279
Type of gen. func.: lgdogf

$$-\frac{2\,(x^6 - x^5 - 2\,x^4 - 12\,x^3 - 5\,x^2 - x + 8)}{(x - 1)\,(x^3 - x^2 - x - 5)\,(x^3 + x^2 + x - 1)}$$

Sequence: A027086
Score: 6.62932
Type of gen. func.: lgdogf

$$-\frac{4\,x^7 - 5\,x^6 - 6\,x^5 - 15\,x^4 + 44\,x^3 + 25\,x^2 + 30\,x - 41}{(x - 1)\,(x^3 + x^2 + x - 1)\,(2\,x^4 - 3\,x^3 - x^2 - 3\,x + 11)}$$

Sequence: A027086
Score: 7.60865
Type of gen. func.: ogf

$$\frac{2\,x^4 - 3\,x^3 - x^2 - 3\,x + 11}{(x^3 + x^2 + x - 1)\,(x - 1)^3}$$

Sequence: A027087
Score: 4.37534
Type of gen. func.: ogf

$$-f(x)^2\,x^3 - f(x)^2\,x^2 - f(x)\,x^3 - 3\,f(x)^2\,x - f(x)\,x^2 - x^3 + f(x)^2 + f(x)\,x + f(x) - x - 2$$

Sequence: A027107
Score: 11.7216
Type of gen. func.: ogf

$$-\frac{x^2 - 2\,x - 1}{(-1 + 3\,x)\,(x - 1)}$$

Sequence: A027107

Score: 14.8383
Type of gen. func.: lgdogf

$$\frac{2 (x^2 + 4 x - 3)}{(x - 1) (-1 + 3 x) (x^2 - 2 x - 1)}$$

Sequence: A027107
Score: 6.03150
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 6, a(2) = 20\}$$

Sequence: A027107
Score: 6.68003
Type of gen. func.: ogf

$$(4 f(x) + 5) (3 f(x) x^2 - 4 f(x) x + x^2 + f(x) - 2 x - 1)$$

Sequence: A027114
Score: 12.7641
Type of gen. func.: ogf

$$\frac{2 x^2 + 3 x + 3}{(x - 1) (x^3 + x^2 + x - 1)}$$

Sequence: A027114
Score: 6.63231
Type of gen. func.: ogf

$$-(2302 f(x) - 537) (f(x) x^4 - 2 f(x) x - 2 x^2 + f(x) - 3 x - 3)$$

Sequence: A027114
Score: 9.74647
Type of gen. func.: lgdogf

$$4 x^5 + 9 x^4 + 12 x^3 + 4 x^2 - 4 x - 9$$

$$-\frac{\qquad}{(x - 1) (2 x^2 + 3 x + 3) (x^3 + x^2 + x - 1)}$$

Sequence: A027116
Score: 8.22146
Type of gen. func.: lgdogf

$$-\frac{4 x^6 - x^5 - 7 x^4 - 32 x^3 - 16 x^2 - 3 x + 23}{(x - 1) (x^3 + x^2 + x - 1) (2 x^3 - x^2 - 2 x - 7)}$$

Sequence: A027116
Score: 8.39639
Type of gen. func.: ogf

$$\frac{2 x^3 - x^2 - 2 x - 7}{(x^3 + x^2 + x - 1) (x - 1)^2}$$

Sequence: A027117
Score: 6.43572
Type of gen. func.: ogf

$$\frac{3 x^4 - 5 x^3 - x^2 - 5 x + 16}{(x^3 + x^2 + x - 1) (x - 1)^3}$$

Sequence: A027117
Score: 6.76963
Type of gen. func.: lgdogf

$$-\frac{6 x^7 - 9 x^6 - 8 x^5 - 25 x^4 + 62 x^3 + 37 x^2 + 44 x - 59}{(x - 1) (x^3 + x^2 + x - 1) (3 x^4 - 5 x^3 - x^2 - 5 x + 16)}$$

Sequence: A027118
Score: 4.3976
Type of gen. func.: ogf

$$f(x)^2 x^3 + f(x)^2 x^2 + f(x) x^3 + 3 f(x)^2 x + x^3 - f(x)^2 + f(x) x + x^2 - 2 f(x) + 4 x + 3$$

Sequence: A027138
Score: 10.6995
Type of gen. func.: ogf

$$- \frac{x^3 - 2 x^2 + 2 x + 1}{(-1 + 3 x) (x - 1)^2}$$

Sequence: A027138
Score: 11.6608
Type of gen. func.: lgdogf

$$- \frac{x^3 + 3 x^2 + 11 x - 7}{(x - 1) (-1 + 3 x) (x^3 - 2 x^2 + 2 x + 1)}$$

Sequence: A027138
Score: 5.50946
Type of gen. func.: ogf

$$\{a(n + 4) - 5 a(n + 3) + 7 a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 7, a(2) = 26, a(3) = 85\}$$

Sequence: A027138
Score: 5.85927
Type of gen. func.: ogf

$$(-4117 + 14404 f(x)) (3 f(x) x^3 - 7 f(x) x^2 + x^3 + 5 f(x) x - 2 x^2 - f(x) + 2 x + 1)$$

Sequence: A027151
Score: 11.8257
Type of gen. func.: ogf

$$-\frac{(3 x + 1) (x^2 + 1)}{3 x^4 + 6 x^2 - 1}$$

Sequence: A027151
Score: 7.32067
Type of gen. func.: ogf

$$-(4 f(x) + 1) (3 f(x) x^4 + 6 f(x) x^2 + 3 x^3 + x^2 - f(x) + 3 x + 1)$$

Sequence: A027151
Score: 8.94673
Type of gen. func.: lgdogf

$$-\frac{9 x^6 + 6 x^5 + 9 x^4 + 12 x^3 + 27 x^2 + 14 x + 3}{(3 x + 1) (x^2 + 1) (3 x^4 + 6 x^2 - 1)}$$

Sequence: A027153
Score: 7.48349
Type of gen. func.: ogf

$$\frac{(3 x + 1) (x^2 + 1)}{(x - 1) (3 x^4 + 6 x^2 - 1)}$$

Sequence: A027153
Score: 7.69029
Type of gen. func.: lgdogf

$$-\frac{2 (9 x^7 + 15 x^5 + 6 x^4 + 15 x^3 - 4 x^2 - 7 x - 2)}{(x - 1) (3 x + 1) (x^2 + 1) (3 x^4 + 6 x^2 - 1)}$$

Sequence: A027154
Score: 6.06941

Type of gen. func.: lgdogf

$$-\frac{8 x^{10} + 30 x^{8} + 16 x^{7} + 17 x^{6} + 30 x^{5} + 13 x^{4} + 12 x^{3} + 11 x^{2} + 6 x + 1}{(x^{2} + 1) (2 x^{3} + x + 1) (4 x^{6} + 3 x^{4} + 2 x^{2} - 1)}$$

Sequence: A027154
Score: 8.11536
Type of gen. func.: ogf

$$-\frac{(x^{2} + 1) (2 x^{3} + x + 1)}{4 x^{6} + 3 x^{4} + 2 x^{2} - 1}$$

Sequence: A027164
Score: 8.17539
Type of gen. func.: ogf

$$\frac{(x + 1)^{2}}{(x - 1) (3 x^{4} + 6 x^{2} - 1)}$$

Sequence: A027164
Score: 9.78289
Type of gen. func.: lgdogf

$$-\frac{9 x^{5} + 9 x^{4} - 6 x^{3} + 18 x^{2} - 11 x - 3}{(x - 1) (x + 1) (3 x^{4} + 6 x^{2} - 1)}$$

Sequence: A027166
Score: 11.1596
Type of gen. func.: lgdogf

$$-\frac{4 (3 x^{5} + 3 x^{4} + 6 x^{2} - 3 x - 1)}{(x - 1) (x + 1) (3 x^{4} + 6 x^{2} - 1)}$$

Sequence: A027166
Score: 8.73149
Type of gen. func.: ogf

$$-\frac{(x+1)^2}{(3x^4+6x^2-1)(x-1)^2}$$

Sequence: A027167
Score: 6.23434
Type of gen. func.: lgdogf

$$-\frac{12x^9-4x^8-5x^7+35x^6-32x^5+24x^4-13x^3+3x^2-2x-2}{(x-1)(x+1)(x^2-x+1)(4x^6+3x^4+2x^2-1)}$$

Sequence: A027167
Score: 6.68145
Type of gen. func.: ogf

$$\frac{(x^2-x+1)(x+1)^2}{(x-1)(4x^6+3x^4+2x^2-1)}$$

Sequence: A027171
Score: 3.53423
Type of gen. func.: ogf

$$4f(x)^2x^4-9f(x)^2x^3+6f(x)^2x^2-16f(x)x^3-f(x)^2x+4f(x)x^2+x^3$$
$$+16f(x)x+18x^2-4f(x)+25x+4$$

Sequence: A027178
Score: 10.7643
Type of gen. func.: ogf

$$-\frac{(x+1)^2}{{}^{2}}$$

$$(-1 + 2 x) (x - 1)$$

Sequence: A027178
Score: 18.3758
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + 4 x - 3)}{(x - 1) (-1 + 2 x) (x + 1)}$$

Sequence: A027178
Score: 5.70976
Type of gen. func.: ogf

$$(247 f(x) - 291) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x + x^2 - f(x) + 2 x + 1)$$

Sequence: A027178
Score: 5.81083
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 6, a(2) = 20\}$$

Sequence: A027180
Score: 11.1978
Type of gen. func.: ogf

$$\frac{(x + 1)^2}{(-1 + 2 x) (x - 1)^3}$$

Sequence: A027180
Score: 17.8035
Type of gen. func.: lgdogf

$$-\frac{4 x^2 + 9 x - 7}{(x - 1) (-1 + 2 x) (x + 1)}$$

Sequence: A027180
Score: 3.88265
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-13 - 2 n) a(n + 3) + (7 - n) a(n + 2) + (6 + 2 n) a(n + 1), a(0) = 1, a(1) = 7, a(2) = 27, a(3) = 79\}$$

Sequence: A027180
Score: 5.72331
Type of gen. func.: ogf

$$(5018 f(x) + 6531) (2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 - 5 f(x) x - x^2 + f(x) - 2 x - 1)$$

Sequence: A027181
Score: 11.9634
Type of gen. func.: ogf

$$-\frac{x^2 + 1}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A027181
Score: 16.2402
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + x^3 + 5 x^2 - x - 3}{(x - 1) (x^2 + 1) (x^2 + x - 1)}$$

Sequence: A027181
Score: 4.29627
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 1) - a(n + 2) + (7 + 2 n) a(n + 3) + (-3 - n) a(n + 4), a(0) = 1, a(1) = 3, a(2) = 8, a(3) = 17\}$$

Sequence: A027181
Score: 6.07518
Type of gen. func.: ogf

$$(65 f(x) - 196) (f(x) x^{4} - f(x) x^{3} - 2 f(x) x^{2} + 3 f(x) x + x^{2} - f(x) + 1)$$

Sequence: A027261
Score: 11.3662
Type of gen. func.: lgdogf

$$\frac{6 (9 x^{3} - 9 x^{2} + 3 x - 1)}{(-1 + 3 x) (18 x^{3} - 9 x^{2} + 1)}$$

Sequence: A027261
Score: 4.81135
Type of gen. func.: ogf

$\{-a(n + 4) + 6 a(n + 3) - 9 a(n + 2), a(0) = 1, a(1) = 6, a(2) = 18, a(3) = 72\}$

Sequence: A027261
Score: 8.18755
Type of gen. func.: ogf

$$(15 f(x) + 17) (9 f(x) x^{2} - 6 f(x) x - 3 x^{2} + f(x) + 2 x - 1)$$

Sequence: A027261
Score: 9.62271
Type of gen. func.: ogf

$$\frac{18 x^{3} - 9 x^{2} + 1}{(-1 + 3 x)^{2}}$$

Sequence: A027266
Score: 10.8235
Type of gen. func.: ogf

2

$$\frac{6 x + 6 x + 1}{(6 x^{2} - 1)^{2}}$$

Sequence: A027266
Score: 13.0324
Type of gen. func.: lgdogf

$$-\frac{6 (12 x^{3} + 18 x^{2} + 6 x + 1)}{(6 x^{2} - 1) (6 x^{2} + 6 x + 1)}$$

Sequence: A027266
Score: 5.41176
Type of gen. func.: ogf

$$\{(6 n + 24) a(n + 1) + (-n - 2) a(n + 3), a(0) = 1, a(1) = 6, a(2) = 18\}$$

Sequence: A027266
Score: 6.32264
Type of gen. func.: ogf

$$-(14 f(x) - 11) (36 f(x) x^{4} - 12 f(x) x^{2} - 6 x^{2} + f(x) - 6 x - 1)$$

Sequence: A027271
Score: 10.7683
Type of gen. func.: ogf

$$\frac{6 x^{2} + 4 x + 1}{(6 x^{2} - 1)^{2}}$$

Sequence: A027271
Score: 12.9645
Type of gen. func.: lgdogf

$$-\frac{4 (18 x^{3} + 18 x^{2} + 9 x + 1)}{{}^{2} \qquad {}^{2}}$$

$$(6 x - 1) (6 x + 4 x + 1)$$

Sequence: A027271
Score: 5.38415
Type of gen. func.: ogf

$$\{(6 n + 24) a(n + 1) + (-n - 2) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 18\}$$

Sequence: A027271
Score: 6.68767
Type of gen. func.: ogf

$$(6 f(x) + 1) (36 f(x) x^4 - 12 f(x) x^2 - 6 x^2 + f(x) - 4 x - 1)$$

Sequence: A027276
Score: 11.4922
Type of gen. func.: lgdogf

$$\frac{6 (18 x^3 + 18 x^2 + 9 x + 1)}{(6 x^2 - 1) (18 x^4 - 15 x^2 - 6 x - 1)}$$

Sequence: A027276
Score: 5.86458
Type of gen. func.: ogf

$$\{(-6 n - 18) a(n) + (n + 1) a(n + 2), a(0) = 1, a(1) = 6, a(2) = 27\}$$

Sequence: A027276
Score: 6.14384
Type of gen. func.: ogf

$$(4 f(x) + 3) (36 f(x) x^4 + 18 x^4 - 12 f(x) x^2 - 15 x^2 + f(x) - 6 x - 1)$$

Sequence: A027276
Score: 9.34933
Type of gen. func.: ogf

$$-\frac{18 x^4 - 15 x^2 - 6 x - 1}{(6 x^2 - 1)^2}$$

Sequence: A027281
Score: 12.6491
Type of gen. func.: lgdogf

$$-\frac{2 (8 x^3 + 24 x^2 + 12 x + 3)}{(2 x^2 + 4 x + 1) (4 x^2 + x - 1)}$$

Sequence: A027281
Score: 3.71828
Type of gen. func.: ogf

$$\{(4 n^2 + 28 n + 48) a(n + 1) + (n^2 + 6 n + 8) a(n + 2)$$
$$+ (-n^2 - 5 n - 6) a(n + 3), a(0) = 1, a(1) = 6, a(2) = 21\}$$

Sequence: A027281
Score: 4.53887
Type of gen. func.: ogf

$$-(1038955 f(x) - 489338)$$
$$(16 f(x) x^4 + 8 f(x) x^3 - 7 f(x) x^2 - 2 f(x) x - 2 x^2 + f(x) - 4 x - 1)$$

Sequence: A027281
Score: 9.40194
Type of gen. func.: ogf

$$\frac{2 x^2 + 4 x + 1}{(4 x^2 + x - 1)^2}$$

Sequence: A027286

Score: 13.0324
Type of gen. func.: lgdogf

$$-\frac{4\,(6x^3+6x^2+6x+1)}{(4x^2+x-1)\,(3x^2+2x+1)}$$

Sequence: A027286
Score: 3.68147
Type of gen. func.: ogf

$$\{(-4n^2-28n-48)\,a(n+1)+(-n^2-6n-8)\,a(n+2)$$

$$+(n^2+5n+6)\,a(n+3),\ a(0)=1,\ a(1)=4,\ a(2)=18\}$$

Sequence: A027286
Score: 4.55678
Type of gen. func.: ogf

$$-(158083\,f(x)+50653)$$

$$(16\,f(x)\,x^4+8\,f(x)\,x^3-7\,f(x)\,x^2-2\,f(x)\,x-3x^2+f(x)-2x-1)$$

Sequence: A027286
Score: 9.30886
Type of gen. func.: ogf

$$\frac{3x^2+2x+1}{(4x^2+x-1)^2}$$

Sequence: A027306
Score: 3.62013
Type of gen. func.: ogf

$$\{(8n+16)\,a(n+1)+(-4n-12)\,a(n+2)+(-2n-6)\,a(n+3)$$

$$+(n+4)\,a(n+4),\ a(0)=1,\ a(1)=1,\ a(2)=3,\ a(3)=4\}$$

Sequence: A027306
Score: 6.576
Type of gen. func.: ogf

$$-8 f(x)^2 x^3 + 4 f(x)^2 x^2 + 2 f(x)^2 x - 4 f(x) x^2 - f(x)^2 + f(x) - x$$

Sequence: A027307
Score: 10.0027
Type of gen. func.: ogf

$$-1 + f(x) - f(x)^2 x - x f(x)^3$$

Sequence: A027307
Score: 19.2725
Type of gen. func.: revogf

$$\frac{(-x + 1 + (x^2 - 6 x + 1)^{1/2}) x}{2}$$

Sequence: A027313
Score: 13.9485
Type of gen. func.: ogf

$$-\frac{9 x^2 + 3 x + 1}{-1 + 3 x}$$

Sequence: A027313
Score: 15.7643
Type of gen. func.: lgdogf

$$\frac{3 (9 x^2 - 6 x - 2)}{(-1 + 3 x) (9 x^2 + 3 x + 1)}$$

Sequence: A027313
Score: 7.38449
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2), a(0) = 1, a(1) = 6, a(2) = 27\}$$

Sequence: A027313
Score: 7.94533
Type of gen. func.: ogf

$$-(f(x) - 1) (3 f(x) x + 9 x^2 - f(x) + 3 x + 1)$$

Sequence: A027319
Score: 8.60473
Type of gen. func.: lgdogf

$$\frac{972 x^5 - 972 x^4 + 291 x^3 - 3 x^2 - 11 x + 3}{(-1 + 3 x) (108 x^5 - 72 x^4 + x^3 + x^2 + 3 x - 1)}$$

Sequence: A027319
Score: 9.26955
Type of gen. func.: ogf

$$-\frac{108 x^5 - 72 x^4 + x^3 + x^2 + 3 x - 1}{(-1 + 3 x)^2}$$

Sequence: A027327
Score: 14.6812
Type of gen. func.: ogf

$$-\frac{3 x^2 + 1}{-1 + 3 x}$$

Sequence: A027327
Score: 17.3251
Type of gen. func.: lgdogf

$$\frac{3 (3 x + 1) (x - 1)}{2}$$

$$(-1 + 3 x) (3 x + 1)$$

Sequence: A027327
Score: 7.08154
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2), a(0) = 1, a(1) = 3, a(2) = 12\}$$

Sequence: A027327
Score: 8.02573
Type of gen. func.: ogf

$$-(f(x) - 1) (3 f(x) x + 3 x^{2} - f(x) + 1)$$

Sequence: A027334
Score: 14.9953
Type of gen. func.: ogf

$$-\frac{9 x^{2} + 1}{-1 + 3 x}$$

Sequence: A027334
Score: 17.1980
Type of gen. func.: lgdogf

$$\frac{3 (9 x^{2} - 6 x - 1)}{(-1 + 3 x) (9 x^{2} + 1)}$$

Sequence: A027334
Score: 7.23301
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2), a(0) = 1, a(1) = 3, a(2) = 18\}$$

Sequence: A027334
Score: 8.1974

Type of gen. func.: ogf

$$-(f(x) - 1) (3 f(x) x + 9 x^2 - f(x) + 1)$$

Sequence: A027336
Score: 18.2483
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^2 - x + 1}{x - 1}$$

Sequence: A027337
Score: 17.1558
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^3 + x^2 - 1}{-x + 1}$$

Sequence: A027338
Score: 16.2649
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^4 - x^3 + 1}{x - 1}$$

Sequence: A027339
Score: 16.0178
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^5 + x^4 - 1}{-x + 1}$$

Sequence: A027340
Score: 16.0959
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{6} - x^{5} + 1}{x - 1}$$

Sequence: A027341
Score: 16.1740
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{7} + x^{6} - 1}{-x + 1}$$

Sequence: A027342
Score: 16.1740
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{8} - x^{7} + 1}{x - 1}$$

Sequence: A027343
Score: 15.1368
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{9} + x^{8} - 1}{-x + 1}$$

Sequence: A027344
Score: 14.8340
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{10} - x^{9} + 1}{x - 1}$$

Sequence: A027346
Score: 10.4657
Type of gen. func.: ogf_with_Euler_transform]

2

$$-\frac{3\,x \;\; + 3\,x + 3}{-x^{4} + 2\,x^{2} - 1}$$

Sequence: A027349
Score: 14.0394
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{5} - x^{4} - x^{2}}{-x^{4} + 1}$$

Sequence: A027350
Score: 13.2802
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{9} - x^{6} - x^{4}}{-x^{4} + 1}$$

Sequence: A027351
Score: 12.6547
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{13} - x^{8} - x^{6}}{-x^{4} + 1}$$

Sequence: A027352
Score: 12.1840
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{17} + x^{10} + x^{8}}{x^{4} - 1}$$

Sequence: A027353
Score: 11.3606

Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{21}-x^{12}-x^{10}}{-x^4+1}$$

Sequence: A027378
Score: 17.1486
Type of gen. func.: lgdogf

$$-\frac{x^3+x^2-2x-4}{(x-1)(x^3-x^2-1)}$$

Sequence: A027378
Score: 4.45473
Type of gen. func.: ogf

$(298 f(x) + 5895)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + x^3 - 4 f(x) x - x^2 + f(x) - 1)$$

Sequence: A027378
Score: 8.42127
Type of gen. func.: ogf

$$-\frac{x^3-x^2-1}{(x-1)^4}$$

Sequence: A027379
Score: 19.1487
Type of gen. func.: lgdogf

$$-\frac{2x^2-2x-3}{(x-1)(x^3-x^2-1)}$$

Sequence: A027379
Score: 4.86565
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 3, a(2) = 7,

a(3) = 12}

Sequence: A027379
Score: 5.57873
Type of gen. func.: ogf

$$(3 f(x) - 29) (f(x) x^3 - 3 f(x) x^2 - x^3 + 3 f(x) x + x^2 - f(x) + 1)$$

Sequence: A027379
Score: 9.95588
Type of gen. func.: ogf

$$\frac{x^3 - x^2 - 1}{(x - 1)^3}$$

Sequence: A027382
Score: 11.3120
Type of gen. func.: lgdogf

$$- \frac{2 (12 x^4 + 49 x^3 - 3 x + 2)}{(x - 1) (24 x^4 + x^3 - x^2 - x + 1)}$$

Sequence: A027382
Score: 6.15256
Type of gen. func.: ogf

$$- \frac{24 x^4 + x^3 - x^2 - x + 1}{(x - 1)^5}$$

Sequence: A027383
Score: 14.5039
Type of gen. func.: ogf

$$\frac{x + 1}{(x - 1) (2 x^2 - 1)}$$

Sequence: A027383
Score: 16.7523
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^3 + 2 x^2 - 2 x - 1)}{(x - 1) (x + 1) (2 x^2 - 1)}$$

Sequence: A027383
Score: 6.86347
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 2 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A027383
Score: 7.83876
Type of gen. func.: ogf

$$-(f(x) - 1) (2 f(x) x^3 - 2 f(x) x^2 - f(x) x + f(x) - x - 1)$$

Sequence: A027390
Score: 18.8038
Type of gen. func.: lgdegf]

$$9 + 9 x + 3 x^2 + (-x^2 - 3 x - 6) f(x) + f(x)^2$$

Sequence: A027390
Score: 3.96151
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) + (9 + 3 n) a(n + 2) - a(n + 4) + 3 a(n + 3), a(0) = 1,$$

```
    a(1) = 3, a(2) = 12, a(3) = 56}


------------------------------------------------------------------------------

Sequence:  A027391
Score: 28.3936
Type of gen. func.: lgdegf]

                                        2
                               (x + 2) (x  + 2 x + 2)


------------------------------------------------------------------------------

Sequence:  A027392
Score: 11.5615
Type of gen. func.: lgdegf]

         -a(n + 5), a(0) = 5, a(1) = 10, a(2) = 10, a(3) = 5, a(4) = 1


------------------------------------------------------------------------------

Sequence:  A027393
Score: 11.8725
Type of gen. func.: lgdegf]

            (n - 4) a(n + 1) + (n + 3) a(n + 2), a(0) = 6, a(1) = 15


------------------------------------------------------------------------------

Sequence:  A027394
Score: 12.6145
Type of gen. func.: lgdegf]

            (n - 5) a(n + 1) + (n + 3) a(n + 2), a(0) = 7, a(1) = 21


------------------------------------------------------------------------------

Sequence:  A027395
Score: 13.1542
Type of gen. func.: lgdegf]

            (n - 6) a(n + 1) + (n + 3) a(n + 2), a(0) = 8, a(1) = 28


------------------------------------------------------------------------------

Sequence:  A027396
Score: 11.8825
Type of gen. func.: lgdegf]

            (n - 7) a(n + 1) + (n + 3) a(n + 2), a(0) = 9, a(1) = 36
```

Sequence: A027397
Score: 11.9286
Type of gen. func.: lgdegf]

(n - 8) a(n + 1) + (n + 3) a(n + 2), a(0) = 10, a(1) = 45

Sequence: A027398
Score: 11.7065
Type of gen. func.: lgdegf]

(-n + 9) a(n + 1) + (-3 - n) a(n + 2), a(0) = 11, a(1) = 55

Sequence: A027399
Score: 11.8739
Type of gen. func.: lgdegf]

(-n + 10) a(n + 1) + (-3 - n) a(n + 2), a(0) = 12, a(1) = 66

Sequence: A027400
Score: 12.0547
Type of gen. func.: lgdegf]

(-n + 11) a(n + 1) + (-3 - n) a(n + 2), a(0) = 13, a(1) = 78

Sequence: A027401
Score: 10.5378
Type of gen. func.: lgdegf]

(-n + 12) a(n + 1) + (-3 - n) a(n + 2), a(0) = 14, a(1) = 91

Sequence: A027402
Score: 10.4289
Type of gen. func.: lgdegf]

(-n + 13) a(n + 1) + (-3 - n) a(n + 2), a(0) = 15, a(1) = 105

Sequence: A027403
Score: 10.7170

Type of gen. func.: lgdegf]

(-n + 14) a(n + 1) + (-3 - n) a(n + 2), a(0) = 16, a(1) = 120

Sequence: A027404
Score: 10.7746
Type of gen. func.: lgdegf]

(-n + 15) a(n + 1) + (-3 - n) a(n + 2), a(0) = 17, a(1) = 136

Sequence: A027405
Score: 10.9474
Type of gen. func.: lgdegf]

(-n + 16) a(n + 1) + (-3 - n) a(n + 2), a(0) = 18, a(1) = 153

Sequence: A027406
Score: 9.43324
Type of gen. func.: lgdegf]

(-n + 17) a(n + 1) + (-3 - n) a(n + 2), a(0) = 19, a(1) = 171

Sequence: A027408
Score: 9.60169
Type of gen. func.: lgdegf]

(-n + 19) a(n + 1) + (-3 - n) a(n + 2), a(0) = 21, a(1) = 210

Sequence: A027409
Score: 9.82629
Type of gen. func.: lgdegf]

(-n + 20) a(n + 1) + (-3 - n) a(n + 2), a(0) = 22, a(1) = 231

Sequence: A027410
Score: 9.82629
Type of gen. func.: lgdegf]

(-n + 21) a(n + 1) + (-3 - n) a(n + 2), a(0) = 23, a(1) = 253

Sequence: A027411
Score: 9.88244
Type of gen. func.: lgdegf]

$$(-n + 22) a(n + 1) + (-3 - n) a(n + 2), a(0) = 24, a(1) = 276$$

Sequence: A027412
Score: 6.60328
Type of gen. func.: ogf

$$\{-a(n) n + a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 2\}$$

Sequence: A027418
Score: 2.87056
Type of gen. func.: ogf

$$\frac{x (x - 2)}{(x - 1) (x^2 - 3 x + 1)}$$

Sequence: A027439
Score: 15.4980
Type of gen. func.: ogf

$$-\frac{1}{3 x^3 - 5 x^2 + 4 x - 1}$$

Sequence: A027439
Score: 15.5665
Type of gen. func.: lgdogf

$$-\frac{9 x^2 - 10 x + 4}{3 x^3 - 5 x^2 + 4 x - 1}$$

Sequence: A027439
Score: 5.07457

Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 4, a(2) = 11\}$$

Sequence: A027439
Score: 5.35911
Type of gen. func.: ogf

$$-(256 f(x) + 459) (3 f(x) x^{3} - 5 f(x) x^{2} + 4 f(x) x - f(x) + 1)$$

Sequence: A027441
Score: 21.9266
Type of gen. func.: lgdogf

$$-\frac{3 (x + 1) (7 x + 3)}{(x - 1) (7 x^{2} + 4 x + 1)}$$

Sequence: A027441
Score: 4.04177
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-3 + 3 n) a(n + 3) + (-27 + 3 n) a(n + 2)$$
$$+ (-21 - 7 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 9, a(3) = 42\}$$

Sequence: A027441
Score: 9.64181
Type of gen. func.: ogf

$$-\frac{x (7 x^{2} + 4 x + 1)}{(x - 1)^{5}}$$

Sequence: A027444
Score: 11.3866
Type of gen. func.: ogf

$$\frac{x (x^{2} + 2 x + 3)}{}$$

$$(x - 1)^4$$

Sequence: A027444
Score: 25.6232
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 + 4 x + 7)}{(x - 1) (x^2 + 2 x + 3)}$$

Sequence: A027444
Score: 4.19811
Type of gen. func.: ogf

$$\{(9 + 3 n) a(n + 4) + (-16 - n) a(n + 3) + (-9 - n) a(n + 2)$$

$$+ (-n - 2) a(n + 1), a(0) = 0, a(1) = 3, a(2) = 14, a(3) = 39\}$$

Sequence: A027444
Score: 5.8537
Type of gen. func.: ogf

$$(76248 f(x) + 109055)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 2 x^2 + f(x) - 3 x)$$

Sequence: A027445
Score: 26.0918
Type of gen. func.: lgdogf

$$- \frac{15 (x + 1)^2}{(x - 1) (5 x^2 + 5 x + 2)}$$

Sequence: A027445
Score: 4.45478
Type of gen. func.: ogf

$$\{(6 + 2 n) a(n + 4) + (-9 + 3 n) a(n + 3) - 30 a(n + 2) + (-15 - 5 n) a(n + 1),$$

a(0) = 0, a(1) = 4, a(2) = 30, a(3) = 120}

Sequence: A027445
Score: 9.64328
Type of gen. func.: ogf

$$-\frac{2 x (5 x^2 + 5 x + 2)}{(x - 1)^5}$$

Sequence: A027468
Score: 10.4417
Type of gen. func.: ogf

$$f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 9 x$$

Sequence: A027468
Score: 17.8670
Type of gen. func.: ogf

$$-\frac{9 x}{(x - 1)^3}$$

Sequence: A027468
Score: 7.17870
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 9, a(2) = 27}

Sequence: A027468
Score: 99.0661
Type of gen. func.: lgdogf

$$-\frac{3}{x - 1}$$

Sequence: A027469
Score: 10.3099
Type of gen. func.: ogf

$$-f(x) x^{3} + 3 f(x) x^{2} - 3 f(x) x + f(x) - 49$$

Sequence: A027469
Score: 19.1470
Type of gen. func.: ogf

$$-\frac{49}{(x - 1)^{3}}$$

Sequence: A027469
Score: 6.87330
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 49, a(1) = 147, a(2) = 294\}$$

Sequence: A027469
Score: 98.6775
Type of gen. func.: lgdogf

$$-\frac{3}{x - 1}$$

Sequence: A027470
Score: 15.8563
Type of gen. func.: ogf

$$-\frac{225}{(x - 1)^{3}}$$

Sequence: A027470
Score: 5.72957
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 225, a(1) = 675, a(2) = 1350$$

}

Sequence: A027470
Score: 6.19835
Type of gen. func.: ogf

$$-(28 f(x) - 12375) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 225)$$

Sequence: A027470
Score: 83.4792
Type of gen. func.: lgdogf

$$-\frac{3}{x - 1}$$

Sequence: A027471
Score: 10.6387
Type of gen. func.: ogf

$$-9 f(x) x^2 + 6 f(x) x - f(x) + x$$

Sequence: A027471
Score: 19.0207
Type of gen. func.: ogf

$$\frac{x}{(-1 + 3 x)^2}$$

Sequence: A027471
Score: 25.7510
Type of gen. func.: revogf

$$\frac{4 x}{(1 + (1 + 12 x)^{1/2})^2}$$

Sequence: A027471
Score: 56.1841
Type of gen. func.: lgdogf

$$-\frac{6}{-1 + 3 x}$$

Sequence: A027471
Score: 7.74916
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 9 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A027472
Score: 11.9829
Type of gen. func.: ogf

$$-\frac{1}{(-1 + 3 x)^3}$$

Sequence: A027472
Score: 4.06377
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 27 a(n + 1) - 27 a(n), a(0) = 1, a(1) = 9, a(2) = 54\}$$

Sequence: A027472
Score: 41.3955
Type of gen. func.: lgdogf

$$-\frac{9}{-1 + 3 x}$$

Sequence: A027472
Score: 8.75894
Type of gen. func.: ogf

$$-(f(x) - 1) (27 f(x) x^3 - 27 f(x) x^2 + 9 f(x) x - f(x) + 1)$$

Sequence: A027473
Score: 16.4047
Type of gen. func.: ogf

$$\frac{1}{(7 x - 1)^2}$$

Sequence: A027473
Score: 23.4328
Type of gen. func.: revogf

$$\frac{4 x}{(1 + (1 + 28 x)^{1/2})^2}$$

Sequence: A027473
Score: 46.8657
Type of gen. func.: lgdogf

$$- \frac{14}{7 x - 1}$$

Sequence: A027473
Score: 6.75489
Type of gen. func.: ogf

$$\{-a(n + 2) + 14 a(n + 1) - 49 a(n), a(0) = 1, a(1) = 14\}$$

Sequence: A027473
Score: 6.8353
Type of gen. func.: ogf

$$(5 f(x) + 11) (49 f(x) x^2 - 14 f(x) x + f(x) - 1)$$

Sequence: A027474
Score: 14.5119
Type of gen. func.: ogf

$$-\frac{1}{(7x-1)^3}$$

Sequence: A027474
Score: 49.8101
Type of gen. func.: lgdogf

$$-\frac{21}{7x-1}$$

Sequence: A027474
Score: 5.07916
Type of gen. func.: ogf

$\{a(n+3) - 21\,a(n+2) + 147\,a(n+1) - 343\,a(n),\ a(0) = 1,\ a(1) = 21,\ a(2) = 294\}$

Sequence: A027474
Score: 5.64351
Type of gen. func.: ogf

$$-(f(x) - 1)\,(343\,f(x)\,x^3 - 147\,f(x)\,x^2 + 21\,f(x)\,x - f(x) + 1)$$

Sequence: A027475
Score: 14.0170
Type of gen. func.: ogf

$$\frac{1}{(15x-1)^2}$$

Sequence: A027475
Score: 20.5634
Type of gen. func.: revogf

$$\frac{4x}{(1 + (1 + 60x)^{1/2})^2}$$

Sequence: A027475
Score: 37.9632
Type of gen. func.: lgdogf

$$-\frac{30}{15 x - 1}$$

Sequence: A027475
Score: 5.86757
Type of gen. func.: ogf

{-a(n + 2) + 30 a(n + 1) - 225 a(n), a(0) = 1, a(1) = 30}

Sequence: A027475
Score: 5.9366
Type of gen. func.: ogf

$$(5 f(x) + 11) (225 f(x) x^2 - 30 f(x) x + f(x) - 1)$$

Sequence: A027476
Score: 12.3799
Type of gen. func.: ogf

$$-\frac{1}{(15 x - 1)^3}$$

Sequence: A027476
Score: 4.36342
Type of gen. func.: ogf

{a(n + 3) - 45 a(n + 2) + 675 a(n + 1) - 3375 a(n), a(0) = 1, a(1) = 45,

a(2) = 1350}

Sequence: A027476
Score: 4.88383
Type of gen. func.: ogf

$$-(f(x) - 1) (3375 f(x) x^3 - 675 f(x) x^2 + 45 f(x) x - f(x) + 1)$$

Sequence: A027476
Score: 40.0959
Type of gen. func.: lgdogf

$$-\frac{45}{15 x - 1}$$

Sequence: A027480
Score: 14.1536
Type of gen. func.: ogf

$$\frac{3 x}{(x - 1)^4}$$

Sequence: A027480
Score: 6.09871
Type of gen. func.: ogf

$$-(14 f(x) + 27) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + f(x) - 3 x)$$

Sequence: A027480
Score: 7.28292
Type of gen. func.: ogf

$$\{(n + 1) a(n + 2) + (-n - 4) a(n + 1), a(0) = 0, a(1) = 3\}$$

Sequence: A027480
Score: 75.7019
Type of gen. func.: lgdogf

$$-\frac{4}{x - 1}$$

Sequence: A027482
Score: 20.3433
Type of gen. func.: lgdogf

$$-\frac{3\,(x^2+6\,x+13)}{(x-1)\,(x^2+4\,x+7)}$$

Sequence: A027482
Score: 8.67489
Type of gen. func.: ogf

$$-\frac{x^2+4\,x+7}{(x-1)^5}$$

Sequence: A027484
Score: 31.7352
Type of gen. func.: ogf_with_Euler_transform]

[8 - 2 x]

Sequence: A027484
Score: 32.9995
Type of gen. func.: lgdogf

$$-\frac{4\,(x+2)}{(x-1)\,(x+1)}$$

Sequence: A027484
Score: 4.84504
Type of gen. func.: ogf

{(-3 - n) a(n + 3) + 8 a(n + 2) + (n + 5) a(n + 1), a(0) = 15, a(1) = 120,

a(2) = 510}

Sequence: A027484
Score: 7.40066
Type of gen. func.: ogf

$$\frac{15\,(x+1)^2}{(x-1)^6}$$

Sequence: A027540
Score: 10.9122
Type of gen. func.: ogf

$$\frac{5\,x-3}{(-1+2\,x)^2\,(x-1)^3}$$

Sequence: A027540
Score: 16.4985
Type of gen. func.: lgdogf

$$-\frac{2\,(20\,x^2-25\,x+8)}{(x-1)\,(5\,x-3)\,(-1+2\,x)}$$

Sequence: A027540
Score: 3.79554
Type of gen. func.: ogf

$$\{(3\,n+12)\,a(n+4)+(-58-14\,n)\,a(n+3)+(92+21\,n)\,a(n+2)$$
$$+(-50-10\,n)\,a(n+1),\ a(0)=3,\ a(1)=16,\ a(2)=55,\ a(3)=156\}$$

Sequence: A027556
Score: 14.1175
Type of gen. func.: ogf

$$-\frac{2\,x^3}{(-1+2\,x)\,(x-1)\,(2\,x^2-1)}$$

Sequence: A027556
Score: 15.0441
Type of gen. func.: lgdogf

$$-\frac{16 x^3 - 18 x^2 + 3}{(x - 1) (-1 + 2 x) (2 x^2 - 1)}$$

Sequence: A027556
Score: 7.84306
Type of gen. func.: ogf

$$4 f(x) x^4 - 6 f(x) x^3 + 2 x^3 + 3 f(x) x - f(x)$$

Sequence: A027557
Score: 10.5222
Type of gen. func.: lgdogf

$$-\frac{2 (x + 1) (2 x^4 - 4 x^3 - 2 x^2 + x + 1)}{(2 x^2 - 1) (x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A027557
Score: 5.01114
Type of gen. func.: ogf

$$-(2 f(x) - 1) (2 f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 - f(x) x + x^2 + f(x) - x - 1)$$

Sequence: A027557
Score: 9.65916
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{(2 x^2 - 1) (x^2 + x - 1)}$$

Sequence: A027558
Score: 10.2457
Type of gen. func.: ogf

$$-\frac{2 x^4}{(-1 + 2 x) (2 x^2 - 1) (x^2 + x - 1)}$$

Sequence: A027558
Score: 11.1605
Type of gen. func.: lgdogf

$$-\frac{20 x^4 + 8 x^3 - 24 x^2 + 2 x + 3}{(-1 + 2 x) (x^2 + x - 1) (2 x^2 - 1)}$$

Sequence: A027558
Score: 5.34176
Type of gen. func.: ogf

$$-4 f(x) x^5 - 2 f(x) x^4 + 8 f(x) x^3 - 2 x^4 - f(x) x^2 - 3 f(x) x + f(x)$$

Sequence: A027559
Score: 4.59943
Type of gen. func.: ogf

$$-(f(x) - 1) ($$

$$3 f(x) x^4 + 3 f(x) x^3 - x^4 - 4 f(x) x^2 + x^3 - f(x) x + 2 x^2 + f(x) - x - 1)$$

Sequence: A027559
Score: 8.06254
Type of gen. func.: ogf

$$\frac{(x - 1) (x + 1) (x^2 - x - 1)}{(3 x^2 - 1) (x^2 + x - 1)}$$

Sequence: A027559
Score: 8.39162
Type of gen. func.: lgdogf

$$\frac{2\,(3\,x^6 + 2\,x^5 - x^4 - 6\,x^3 - 3\,x^2 + 2\,x + 1)}{(x - 1)\,(x + 1)\,(3\,x^2 - 1)\,(x^2 + x - 1)\,(x^2 - x - 1)}$$

Sequence: A027560
Score: 6.29372
Type of gen. func.: lgdogf

$$- \frac{2\,(6\,x^8 - 2\,x^7 - 11\,x^6 + 12\,x^5 + 9\,x^4 - 10\,x^3 - 5\,x^2 + 2\,x + 1)}{(x - 1)\,(x + 1)\,(3\,x^2 - 1)\,(x^3 - 2\,x^2 - x + 1)\,(x^3 + 2\,x^2 - x - 1)}$$

Sequence: A027560
Score: 6.99302
Type of gen. func.: ogf

$$- \frac{(x - 1)\,(x + 1)\,(x^3 + 2\,x^2 - x - 1)}{(3\,x^2 - 1)\,(x^3 - 2\,x^2 - x + 1)}$$

Sequence: A027561
Score: 10.4531
Type of gen. func.: ogf

$$- \frac{2\,x^5}{(-1 + 2\,x)\,(3\,x^2 - 1)\,(x^2 + x - 1)}$$

Sequence: A027561
Score: 11.2338
Type of gen. func.: lgdogf

$$- \frac{(5\,x - 3)\,(6\,x^3 + 6\,x^2 - 3\,x - 1)}{(-1 + 2\,x)\,(3\,x^2 - 1)\,(x^2 + x - 1)}$$

Sequence: A027562

Score: 8.93282
Type of gen. func.: ogf

$$\frac{2 x^{6}}{(-1 + 2 x) (3 x^{2} - 1) (x^{3} - 2 x^{2} - x + 1)}$$

Sequence: A027562
Score: 9.03045
Type of gen. func.: lgdogf

$$- \frac{36 x^{5} - 75 x^{4} - 8 x^{3} + 42 x^{2} - 6 x - 3}{(-1 + 2 x) (3 x^{2} - 1) (x^{3} - 2 x^{2} - x + 1)}$$

Sequence: A027575
Score: 11.8806
Type of gen. func.: ogf

$$- \frac{2 (3 x^{2} - 6 x + 7)}{(x - 1)^{3}}$$

Sequence: A027575
Score: 21.5716
Type of gen. func.: lgdogf

$$- \frac{3 (x^{2} - 2 x + 5)}{(x - 1) (3 x^{2} - 6 x + 7)}$$

Sequence: A027575
Score: 6.50851
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 14, a(1) = 30, a(2) = 54\}$

Sequence: A027575

Score: 7.39634
Type of gen. func.: ogf

$$(13 f(x) + 7) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 6 x^2 - f(x) - 12 x + 14)$$

Sequence: A027578
Score: 11.5050
Type of gen. func.: ogf

$$- \frac{5 (3 x^2 - 7 x + 6)}{(x - 1)^3}$$

Sequence: A027578
Score: 20.6106
Type of gen. func.: lgdogf

$$- \frac{3 x^2 - 8 x + 11}{(x - 1) (3 x^2 - 7 x + 6)}$$

Sequence: A027578
Score: 6.40279
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 30, a(1) = 55, a(2) = 90\}$$

Sequence: A027578
Score: 7.07816
Type of gen. func.: ogf

$$(412 f(x) + 3705) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 15 x^2 - f(x) - 35 x + 30)$$

Sequence: A027599
Score: 11.9638
Type of gen. func.: ogf

$$2 (8 x^2 - 8 x + 3)$$

$$-\frac{}{(x - 1)^3}$$

Sequence: A027599
Score: 24.6164
Type of gen. func.: lgdogf

$$-\frac{8 x^2 + 1}{(x - 1) (8 x^2 - 8 x + 3)}$$

Sequence: A027599
Score: 6.28099
Type of gen. func.: ogf

$$-(27 f(x) - 130) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 16 x^2 - f(x) - 16 x + 6)$$

Sequence: A027599
Score: 6.72963
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 6, a(1) = 2, a(2) = 4\}$$

Sequence: A027602
Score: 10.9711
Type of gen. func.: ogf

$$\frac{9 (x^2 + 1)}{(x - 1)^4}$$

Sequence: A027602
Score: 24.3971
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^3 + x + 4]$$

Sequence: A027602
Score: 26.8764
Type of gen. func.: lgdogf

$$-\frac{2\,(x^2 + x + 2)}{(x - 1)\,(x^2 + 1)}$$

Sequence: A027602
Score: 3.71417
Type of gen. func.: ogf

$\{(n + 4)\, a(n + 4) + (-7 - n)\, a(n + 3) + n\, a(n + 2) + (-3 - n)\, a(n + 1),$

$a(0) = 9, a(1) = 36, a(2) = 99, a(3) = 216\}$

Sequence: A027602
Score: 5.57125
Type of gen. func.: ogf

$$(49\, f(x) + 288)\,(f(x)\, x^4 - 4\, f(x)\, x^3 + 6\, f(x)\, x^2 - 4\, f(x)\, x - 9\, x^2 + f(x) - 9)$$

Sequence: A027603
Score: 12.9526
Type of gen. func.: lgdogf

$$-\frac{2\, x^3 - 14\, x^2 + 13\, x - 25}{(x - 1)\,(2\, x^3 - 10\, x^2 + 11\, x - 9)}$$

Sequence: A027603
Score: 3.60021
Type of gen. func.: ogf

$\{(17\, n^2 + 82\, n + 96)\, a(n + 1) + (-4\, n^2 + 127\, n + 420)\, a(n + 2)$

$+ (-13\, n^2 - 119\, n - 240)\, a(n + 3), a(0) = 36, a(1) = 100, a(2) = 224\}$

Sequence: A027603
Score: 4.61504
Type of gen. func.: ogf

$$(10272 f(x) + 128509) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 8 x^3 - 4 f(x) x - 40 x^2 + f(x) + 44 x - 36)$$

Sequence: A027603
Score: 8.59550
Type of gen. func.: ogf

$$-\frac{4 (2 x^3 - 10 x^2 + 11 x - 9)}{(x - 1)^4}$$

Sequence: A027604
Score: 12.4687
Type of gen. func.: lgdogf

$$-\frac{7 x^3 - 35 x^2 + 49 x - 45}{(x - 1) (7 x^3 - 28 x^2 + 35 x - 20)}$$

Sequence: A027604
Score: 3.57051
Type of gen. func.: ogf

$$\{(11 n^2 + 49 n + 54) a(n + 1) + (-4 n^2 + 88 n + 300) a(n + 2) + (-7 n^2 - 83 n - 186) a(n + 3), a(0) = 100, a(1) = 225, a(2) = 440\}$$

Sequence: A027604
Score: 4.38199
Type of gen. func.: ogf

$$-(324 f(x) + 11225) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 35 x^3 - 4 f(x) x - 140 x^2 + f(x) + 175 x - 100)$$

Sequence: A027604
Score: 8.03364
Type of gen. func.: ogf

$$-\frac{5\,(7x^3-28x^2+35x-20)}{(x-1)^4}$$

Sequence: A027608
Score: 21.8178
Type of gen. func.: lgdogf

$$-\frac{-9+10x}{(-1+2x)\,(x-1)}$$

Sequence: A027608
Score: 3.50437
Type of gen. func.: ogf

{(-3 - n) a(n + 3) + (15 + 3 n) a(n + 2) + (-12 - 2 n) a(n + 1), a(0) = 1,

a(1) = 9, a(2) = 49}

Sequence: A027608
Score: 9.40647
Type of gen. func.: ogf

$$-\frac{1}{(x-1)\,(-1+2x)^4}$$

Sequence: A027616
Score: 4.27157
Type of gen. func.: ogf

{$(-n^2 - 5 n - 6)$ a(n + 1) + (n + 3) a(n + 2) + (-n - 4) a(n + 3) + a(n + 4),

a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 3}

Sequence: A027618
Score: 3.54767
Type of gen. func.: ogf

$$-f(x)^{2} x^{4} + 8 f(x)^{2} x^{3} - 14 f(x)^{2} x^{2} + f(x) x^{3} + 8 f(x)^{2} x - 7 f(x) x^{2} - f(x)^{2}$$

$$+ 7 f(x) x + 2 x^{2} - f(x) - 3 x + 2$$

Sequence: A027620
Score: 10.4910
Type of gen. func.: ogf

$$\frac{x^{2} - 4 x + 9}{(x - 1)^{4}}$$

Sequence: A027620
Score: 21.4948
Type of gen. func.: lgdogf

$$- \frac{2 (x^{2} - 5 x + 16)}{(x - 1) (x^{2} - 4 x + 9)}$$

Sequence: A027620
Score: 5.20777
Type of gen. func.: ogf

$$(109215 f(x) + 695321)$$

$$(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 4 f(x) x - x^{2} + f(x) + 4 x - 9)$$

Sequence: A027621
Score: 6.59865
Type of gen. func.: ogf

$$- \frac{2 (8 x^{4} - 40 x^{3} + 80 x^{2} - 81 x + 45)}{{}^{5}}$$

$$(x - 1)$$

Sequence: A027621
Score: 9.69597
Type of gen. func.: lgdogf

$$-\frac{4 (2 x^4 - 12 x^3 + 30 x^2 - 41 x + 36)}{(x - 1) (8 x^4 - 40 x^3 + 80 x^2 - 81 x + 45)}$$

Sequence: A027622
Score: 5.57939
Type of gen. func.: lgdogf

$$-\frac{259 x^5 - 1749 x^4 + 4994 x^3 - 7750 x^2 + 6939 x - 3413}{(x - 1) (259 x^5 - 1522 x^4 + 3694 x^3 - 4708 x^2 + 3271 x - 1114)}$$

Sequence: A027622
Score: 6.09052
Type of gen. func.: ogf

$$-\frac{259 x^5 - 1522 x^4 + 3694 x^3 - 4708 x^2 + 3271 x - 1114}{(x - 1)^6}$$

Sequence: A027625
Score: 4.56534
Type of gen. func.: ogf

$$\{(-n^2 - 13 n - 36) a(n + 1) + (n^2 + 7 n + 6) a(n + 4), a(0) = 0, a(1) = 1,$$
$$a(2) = 7, a(3) = 4\}$$

Sequence: A027625
Score: 5.55865
Type of gen. func.: lgdogf

9 8 7 6 5 4 3 2

$$-\frac{4 x + 3 x + 4 x - 6 x - 12 x - 23 x - 72 x - 18 x - 8 x - 7}{(x - 1) (2 x^{7} + x^{6} + x^{5} - 4 x^{4} - 3 x^{3} - 4 x^{2} - 7 x - 1) (x^{2} + x + 1)}$$

Sequence: A027625
Score: 6.07317
Type of gen. func.: ogf

$$\frac{x (2 x^{7} + x^{6} + x^{5} - 4 x^{4} - 3 x^{3} - 4 x^{2} - 7 x - 1)}{(x - 1)^{3} (x^{2} + x + 1)^{3}}$$

Sequence: A027626
Score: 5.65725
Type of gen. func.: ogf

$$\{(n^{2} + 13 n + 42) a(n + 1) + (-n^{2} - 7 n - 12) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 10, a(3) = 5\}$$

Sequence: A027626
Score: 8.29466
Type of gen. func.: lgdogf

$$-\frac{x^{10} + 5 x^{6} + 12 x^{5} + 60 x^{4} + 20 x^{3} + 15 x^{2} + 20 x + 2}{(x - 1) (x^{2} + x + 1) (x^{8} - 2 x^{5} + x^{4} + 2 x^{3} + 10 x^{2} + 2 x + 1)}$$

Sequence: A027626
Score: 8.54360
Type of gen. func.: ogf

$$-\frac{x^{8} - 2 x^{5} + x^{4} + 2 x^{3} + 10 x^{2} + 2 x + 1}{(x - 1)^{3} (x^{2} + x + 1)^{3}}$$

Sequence: A027628
Score: 7.39472
Type of gen. func.: lgdogf

$$-\frac{11 x^4 + 618 x^3 + 2283 x^2 + 1312 x + 96}{(x - 1) (11 x^4 + 287 x^3 + 474 x^2 + 91 x + 1)}$$

Sequence: A027628
Score: 7.75198
Type of gen. func.: ogf

$$-\frac{11 x^4 + 287 x^3 + 474 x^2 + 91 x + 1}{(x - 1)^5}$$

Sequence: A027629
Score: 5.38294
Type of gen. func.: ogf

$$\frac{x^6 + 7 x^5 + 43 x^4 + 154 x^3 + 43 x^2 + 7 x + 1}{(x - 1)^8}$$

Sequence: A027629
Score: 5.84896
Type of gen. func.: lgdogf

$$-\frac{2 x^6 + 27 x^5 + 207 x^4 + 942 x^3 + 720 x^2 + 135 x + 15}{(x - 1) (x^6 + 7 x^5 + 43 x^4 + 154 x^3 + 43 x^2 + 7 x + 1)}$$

Sequence: A027630
Score: 4.66877
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 + 1) (x^6 + 7 x^5 + 43 x^4 + 154 x^3 + 43 x^2 + 7 x + 1)}{(x - 1)^7}$$

Sequence: A027635
Score: 25.5510
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9 - x^7 + x^4 + 5 x$$

Sequence: A027635
Score: 6.01099
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^4 - x^3 + x^2 - x + 1) (x^4 + 1)}{(x + 1)^3 (x - 1)^4}$$

Sequence: A027635
Score: 8.04891
Type of gen. func.: lgdogf

$$x (3 x^{10} - 3 x^9 - 7 x^8 + 7 x^7 - 17 x^6 + 15 x^5 - 25 x^4 + 15 x^3 - 20 x^2 + 10 x - 10) / ((x - 1) (x + 1) (x^2 + 1) (x^4 - x^3 + x^2 - x + 1) (x^4 + 1))$$

Sequence: A027649
Score: 12.5710
Type of gen. func.: ogf

$$- \frac{x - 1}{(-1 + 3 x) (-1 + 2 x)}$$

Sequence: A027649
Score: 14.1790
Type of gen. func.: revogf

$$- \frac{-1 - 5 x + (x^2 + 6 x + 1)^{1/2}}{2 (6 x + 1)}$$

Sequence: A027649
Score: 14.1790
Type of gen. func.: lgdogf

$$-\frac{2\,(3x^2-6x+2)}{(x-1)(-1+3x)(-1+2x)}$$

Sequence: A027649
Score: 6.65522
Type of gen. func.: ogf

$$(f(x)+1)\,(6\,f(x)\,x^2-5\,f(x)\,x+f(x)+x-1)$$

Sequence: A027649
Score: 6.89870
Type of gen. func.: ogf

$$\{-a(n+2)+5\,a(n+1)-6\,a(n),\ a(0)=1,\ a(1)=4\}$$

Sequence: A027650
Score: 13.9875
Type of gen. func.: ogf

$$\frac{x-1}{(-1+3x)(-1+2x)(4x-1)}$$

Sequence: A027650
Score: 6.68967
Type of gen. func.: ogf

$$\{a(n+3)-9\,a(n+2)+26\,a(n+1)-24\,a(n),\ a(0)=1,\ a(1)=8,\ a(2)=46\}$$

Sequence: A027650
Score: 7.12325
Type of gen. func.: ogf

$$(107\,f(x)-84)\,(24\,f(x)\,x^3-26\,f(x)\,x^2+9\,f(x)\,x-f(x)-x+1)$$

Sequence: A027650
Score: 9.13356
Type of gen. func.: lgdogf

$$-\frac{2\,(24\,x^{3}-49\,x^{2}+26\,x-4)}{(x-1)\,(-1+3\,x)\,(-1+2\,x)\,(4\,x-1)}$$

Sequence: A027651
Score: 4.91565
Type of gen. func.: ogf

$$(1997637\,f(x)+1915702)\,(120\,f(x)\,x^{4}-154\,f(x)\,x^{3}+71\,f(x)\,x^{2}-4\,x^{3}$$
$$-14\,f(x)\,x+7\,x^{2}+f(x)-2\,x-1)$$

Sequence: A027651
Score: 5.56172
Type of gen. func.: lgdogf

$$-\frac{2\,(240\,x^{5}-600\,x^{4}+157\,x^{3}+145\,x^{2}-70\,x+8)}{(x-1)\,(4\,x-1)\,(-1+3\,x)\,(-1+2\,x)\,(1+4\,x)\,(5\,x-1)}$$

Sequence: A027651
Score: 9.17981
Type of gen. func.: ogf

$$\frac{(1+4\,x)\,(x-1)^{2}}{(4\,x-1)\,(-1+3\,x)\,(-1+2\,x)\,(5\,x-1)}$$

Sequence: A027656
Score: 19.9844
Type of gen. func.: ogf

$$\frac{1}{(x+1)^{2}\,(x-1)^{2}}$$

Sequence: A027656
Score: 43.3812
Type of gen. func.: ogf_with_Euler_transform]

$$[2 x]$$

Sequence: A027656
Score: 57.0714
Type of gen. func.: lgdogf

$$- \frac{4 x}{(x - 1) (x + 1)}$$

Sequence: A027656
Score: 6.42976
Type of gen. func.: ogf

$$\{(-3 - n) a(n + 3) + (n + 5) a(n + 1), a(0) = 1, a(1) = 0, a(2) = 2\}$$

Sequence: A027656
Score: 9.01734
Type of gen. func.: ogf

$$(5 f(x) + 11) (f(x) x^{4} - 2 f(x) x^{2} + f(x) - 1)$$

Sequence: A027657
Score: 11.0088
Type of gen. func.: ogf

$$\frac{1 + 4 x}{x^{2} - 34 x + 1}$$

Sequence: A027657
Score: 11.0127
Type of gen. func.: revogf

$$- \frac{-1 - 34 x + (1152 x^{2} + 84 x + 1)^{1/2}}{}$$

2 (-4 + x)

Sequence: A027657
Score: 13.3939
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^2+x-19)}{(1+4\,x)\,(x^2-34\,x+1)}$$

Sequence: A027657
Score: 5.68995
Type of gen. func.: ogf

$$(645\,f(x)+77)\,(f(x)\,x^2-34\,f(x)\,x+f(x)-4\,x-1)$$

Sequence: A027657
Score: 6.02863
Type of gen. func.: ogf

{-a(n + 2) + 34 a(n + 1) - a(n), a(0) = 1, a(1) = 38}

Sequence: A027658
Score: 12.2097
Type of gen. func.: lgdogf

$$-\frac{3\,x^3-9\,x^2+4\,x-4}{(x-1)\,(x^3-3\,x^2+2\,x-1)}$$

Sequence: A027658
Score: 5.86640
Type of gen. func.: ogf

$$-\frac{x^3-3\,x^2+2\,x-1}{(x-1)^6}$$

Sequence: A027659
Score: 11.4790
Type of gen. func.: lgdogf

$$-\frac{3 x^3 - 13 x^2 + 22 x - 18}{(x - 1) (x - 2) (x^2 - 2 x + 2)}$$

Sequence: A027659
Score: 5.88124
Type of gen. func.: ogf

$$-\frac{(x - 2) (x^2 - 2 x + 2)}{(x - 1)^6}$$

Sequence: A027660
Score: 15.1668
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^2 - 3 x + 2)}{(x - 1) (2 x^2 - 2 x + 1)}$$

Sequence: A027660
Score: 6.36068
Type of gen. func.: ogf

$$\frac{2 x^2 - 2 x + 1}{(x - 1)^6}$$

Sequence: A027670
Score: 4.90222
Type of gen. func.: ogf

$$-\frac{x (x + 1) (7 x^3 + 17 x^2 + 5 x + 1)}{}$$

$$(x - 1)^7$$

Sequence: A027670
Score: 8.68903
Type of gen. func.: lgdogf

$$- \frac{21 x^4 + 124 x^3 + 182 x^2 + 80 x + 13}{(x - 1) (x + 1) (7 x^3 + 17 x^2 + 5 x + 1)}$$

Sequence: A027674
Score: 7.67502
Type of gen. func.: ogf

$$- \frac{x^4 - x^2 - 2 x + 1}{(x + 1) (x^4 - 2 x^3 + x^2 - 2 x + 1)}$$

Sequence: A027674
Score: 7.73250
Type of gen. func.: lgdogf

$$- \frac{x^8 - 2 x^6 - 4 x^5 + 15 x^4 - 4 x^3 - 2 x^2 + 1}{(x + 1) (x^4 - 2 x^3 + x^2 - 2 x + 1) (x^4 - x^2 - 2 x + 1)}$$

Sequence: A027688
Score: 12.5655
Type of gen. func.: ogf

$$- \frac{3 x^2 - 4 x + 3}{(x - 1)^3}$$

Sequence: A027688
Score: 22.0886
Type of gen. func.: lgdogf

$$-\frac{3x^2-2x+5}{(x-1)(3x^2-4x+3)}$$

Sequence: A027688
Score: 6.84373
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3, a(1) = 5, a(2) = 9}

Sequence: A027688
Score: 7.44173
Type of gen. func.: ogf

$$f(x)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 3\,x^2 - f(x) - 4\,x + 3)$$

Sequence: A027689
Score: 12.6290
Type of gen. func.: ogf

$$-\frac{2\,(2x^2-3x+2)}{(x-1)^3}$$

Sequence: A027689
Score: 22.2025
Type of gen. func.: lgdogf

$$-\frac{2x^2-2x+3}{(x-1)(2x^2-3x+2)}$$

Sequence: A027689
Score: 6.81742
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 4, a(1) = 6, a(2) = 10}

Sequence: A027689
Score: 7.19971
Type of gen. func.: ogf

$$-f(x)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 4\,x^2 - f(x) - 6\,x + 4)$$

Sequence: A027690
Score: 12.6290
Type of gen. func.: ogf

$$-\frac{5\,x^2 - 8\,x + 5}{(x - 1)^3}$$

Sequence: A027690
Score: 22.2025
Type of gen. func.: lgdogf

$$-\frac{5\,x^2 - 6\,x + 7}{(x - 1)\,(5\,x^2 - 8\,x + 5)}$$

Sequence: A027690
Score: 6.81742
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 5,\ a(1) = 7,\ a(2) = 11\}$$

Sequence: A027690
Score: 6.87829
Type of gen. func.: ogf

$$(5\,f(x) - 12)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 5\,x^2 - f(x) - 8\,x + 5)$$

Sequence: A027691
Score: 12.4253

Type of gen. func.: ogf

$$-\frac{2\,(3\,x^2 - 5\,x + 3)}{(x - 1)^3}$$

Sequence: A027691
Score: 22.2025
Type of gen. func.: lgdogf

$$-\frac{3\,x^2 - 4\,x + 4}{(x - 1)\,(3\,x^2 - 5\,x + 3)}$$

Sequence: A027691
Score: 6.64111
Type of gen. func.: ogf

$$-(f(x) - 6)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 6\,x^2 - f(x) - 10\,x + 6)$$

Sequence: A027691
Score: 6.81742
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 6,\ a(1) = 8,\ a(2) = 12\}$$

Sequence: A027692
Score: 12.4253
Type of gen. func.: ogf

$$-\frac{7\,x^2 - 12\,x + 7}{(x - 1)^3}$$

Sequence: A027692
Score: 20.9690
Type of gen. func.: lgdogf

$$-\frac{7x^2 - 10x + 9}{(x-1)(7x^2 - 12x + 7)}$$

Sequence: A027692
Score: 6.81742
Type of gen. func.: ogf

$$(3 f(x) - 40) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 7 x^2 - f(x) - 12 x + 7)$$

Sequence: A027692
Score: 6.81742
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 7, a(1) = 9, a(2) = 13\}$$

Sequence: A027693
Score: 12.1714
Type of gen. func.: ogf

$$-\frac{2 (4x^2 - 7x + 4)}{(x-1)^3}$$

Sequence: A027693
Score: 21.7420
Type of gen. func.: lgdogf

$$-\frac{4x^2 - 6x + 5}{(x-1)(4x^2 - 7x + 4)}$$

Sequence: A027693
Score: 6.61955
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 8, a(1) = 10, a(2) = 14\}$$

Sequence: A027693
Score: 6.67813
Type of gen. func.: ogf

$$(f(x) - 30) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 8 x^2 - f(x) - 14 x + 8)$$

Sequence: A027694
Score: 12.1714
Type of gen. func.: ogf

$$- \frac{9 x^2 - 16 x + 9}{(x - 1)^3}$$

Sequence: A027694
Score: 19.9792
Type of gen. func.: lgdogf

$$- \frac{9 x^2 - 14 x + 11}{(x - 1) (9 x^2 - 16 x + 9)}$$

Sequence: A027694
Score: 6.61955
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 9, a(1) = 11, a(2) = 15\}$$

Sequence: A027694
Score: 6.67813
Type of gen. func.: ogf

$$(f(x) - 84) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 9 x^2 - f(x) - 16 x + 9)$$

Sequence: A027710
Score: 15.0619
Type of gen. func.: lgdegf]

$(-n - 2) a(n + 2) + a(n + 1), a(0) = 3, a(1) = 3$

Sequence: A027711
Score: 6.90531
Type of gen. func.: lgdogf

$$-\frac{4 x^7 + 5 x^6 - 18 x^5 + 9 x^4 + 12 x^3 - 15 x^2 + 8 x - 2}{(-1 + 2 x) (x^2 - x + 1) (x^2 + x - 1) (x^3 + x^2 - 2 x + 1)}$$

Sequence: A027711
Score: 7.25382
Type of gen. func.: ogf

$$\frac{x (x^3 + x^2 - 2 x + 1)}{(-1 + 2 x) (x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A027764
Score: 33.0978
Type of gen. func.: lgdogf

$$-\frac{5 (5 + x)}{(x + 4) (x - 1)}$$

Sequence: A027764
Score: 4.38844
Type of gen. func.: ogf

$\{(-4 n - 12) a(n + 3) + (31 + 3 n) a(n + 2) + (6 + n) a(n + 1), a(0) = 4,$

$a(1) = 25, a(2) = 90\}$

Sequence: A027764
Score: 8.44774
Type of gen. func.: ogf

$$\frac{x + 4}{\quad}$$

$$(x - 1)^{6}$$

Sequence: A027765
Score: 31.1475
Type of gen. func.: lgdogf

$$- \frac{6 (x + 6)}{(5 + x) (x - 1)}$$

Sequence: A027765
Score: 5.05302
Type of gen. func.: ogf

$\{(-15 - 5 n) a(n + 3) + (44 + 4 n) a(n + 2) + (7 + n) a(n + 1), a(0) = 5,$

$a(1) = 36, a(2) = 147\}$

Sequence: A027765
Score: 8.80020
Type of gen. func.: ogf

$$- \frac{5 + x}{(x - 1)^{7}}$$

Sequence: A027766
Score: 39.3361
Type of gen. func.: lgdogf

$$- \frac{7 (x + 7)}{(x + 6) (x - 1)}$$

Sequence: A027766
Score: 5.16507
Type of gen. func.: ogf

$\{(-6 n - 18) a(n + 3) + (59 + 5 n) a(n + 2) + (8 + n) a(n + 1), a(0) = 6,$

$a(1) = 49, a(2) = 224\}$

Sequence: A027766
Score: 8.16924
Type of gen. func.: ogf

$$\frac{x + 6}{(x - 1)^{8}}$$

Sequence: A027767
Score: 31.6401
Type of gen. func.: lgdogf

$$- \frac{8 (x + 8)}{(x + 7) (x - 1)}$$

Sequence: A027767
Score: 4.16765
Type of gen. func.: ogf

{(-21 - 7 n) a(n + 3) + (76 + 6 n) a(n + 2) + (9 + n) a(n + 1), a(0) = 7,

a(1) = 64, a(2) = 324}

Sequence: A027767
Score: 5.92647
Type of gen. func.: ogf

$$- \frac{x + 7}{(x - 1)^{9}}$$

Sequence: A027768
Score: 37.7138
Type of gen. func.: lgdogf

$$- \frac{9 (9 + x)}{(x + 8) (x - 1)}$$

Sequence: A027768
Score: 4.92144

Type of gen. func.: ogf

$\{(-8 n - 24) a(n + 3) + (95 + 7 n) a(n + 2) + (10 + n) a(n + 1), a(0) = 8,$

$a(1) = 81, a(2) = 450\}$

Sequence: A027768
Score: 6.19148
Type of gen. func.: ogf

$$\frac{x + 8}{(x - 1)^{10}}$$

Sequence: A027769
Score: 34.0793
Type of gen. func.: lgdogf

$$- \frac{10 (10 + x)}{(9 + x) (x - 1)}$$

Sequence: A027769
Score: 4.82958
Type of gen. func.: ogf

$\{(-9 n - 27) a(n + 3) + (116 + 8 n) a(n + 2) + (11 + n) a(n + 1), a(0) = 9,$

$a(1) = 100, a(2) = 605\}$

Sequence: A027769
Score: 5.65240
Type of gen. func.: ogf

$$- \frac{9 + x}{(x - 1)^{11}}$$

Sequence: A027770
Score: 32.0986
Type of gen. func.: lgdogf

$$11 (x + 11)$$

$$- \frac{\qquad}{(10 + x) (x - 1)}$$

Sequence: A027770
Score: 4.69658
Type of gen. func.: ogf

$$\{(-10 n - 30) a(n + 3) + (139 + 9 n) a(n + 2) + (12 + n) a(n + 1), a(0) = 10, a(1) = 121, a(2) = 792\}$$

Sequence: A027770
Score: 5.11192
Type of gen. func.: ogf

$$\frac{10 + x}{(x - 1)^{12}}$$

Sequence: A027771
Score: 31.5894
Type of gen. func.: lgdogf

$$- \frac{12 (12 + x)}{(x + 11) (x - 1)}$$

Sequence: A027771
Score: 4.56536
Type of gen. func.: ogf

$$\{(-11 n - 33) a(n + 3) + (164 + 10 n) a(n + 2) + (13 + n) a(n + 1), a(0) = 11, a(1) = 144, a(2) = 1014\}$$

Sequence: A027772
Score: 32.5810
Type of gen. func.: lgdogf

$$- \frac{13 (13 + x)}{(12 + x) (x - 1)}$$

```
--------------------------------------------------------------------------------

Sequence:  A027772
Score: 4.70614
Type of gen. func.: ogf


{(-12 n - 36) a(n + 3) + (191 + 11 n) a(n + 2) + (14 + n) a(n + 1), a(0) = 12,

    a(1) = 169, a(2) = 1274}



--------------------------------------------------------------------------------

Sequence:  A027773
Score: 31.6290
Type of gen. func.: lgdogf

                                     14 (14 + x)
                                 - ----------------
                                   (13 + x) (x - 1)



--------------------------------------------------------------------------------

Sequence:  A027773
Score: 4.57001
Type of gen. func.: ogf


{(-13 n - 39) a(n + 3) + (220 + 12 n) a(n + 2) + (15 + n) a(n + 1), a(0) = 13,

    a(1) = 196, a(2) = 1575}



--------------------------------------------------------------------------------

Sequence:  A027774
Score: 32.4687
Type of gen. func.: lgdogf

                                     15 (15 + x)
                                 - ----------------
                                   (14 + x) (x - 1)



--------------------------------------------------------------------------------

Sequence:  A027774
Score: 4.68923
Type of gen. func.: ogf


{(-14 n - 42) a(n + 3) + (251 + 13 n) a(n + 2) + (16 + n) a(n + 1), a(0) = 14,

    a(1) = 225, a(2) = 1920}



--------------------------------------------------------------------------------

Sequence:  A027775
Score: 31.0896
Type of gen. func.: lgdogf
```

$$-\frac{16 (16 + x)}{(15 + x) (x - 1)}$$

Sequence: A027775
Score: 4.49243
Type of gen. func.: ogf

{(-15 n - 45) a(n + 3) + (284 + 14 n) a(n + 2) + (17 + n) a(n + 1), a(0) = 15,

a(1) = 256, a(2) = 2312}

Sequence: A027776
Score: 31.6423
Type of gen. func.: lgdogf

$$-\frac{17 (17 + x)}{(16 + x) (x - 1)}$$

Sequence: A027776
Score: 4.57090
Type of gen. func.: ogf

{(-16 n - 48) a(n + 3) + (319 + 15 n) a(n + 2) + (18 + n) a(n + 1), a(0) = 16,

a(1) = 289, a(2) = 2754}

Sequence: A027777
Score: 27.3575
Type of gen. func.: lgdogf

$$-\frac{10 (x + 2)}{(3 + 2 x) (x - 1)}$$

Sequence: A027777
Score: 4.14727
Type of gen. func.: ogf

{(-3 n - 9) a(n + 3) + (22 + n) a(n + 2) + (12 + 2 n) a(n + 1), a(0) = 6,

a(1) = 40, a(2) = 150}

Sequence: A027777
Score: 8.03534
Type of gen. func.: ogf

$$\frac{2\ (3 + 2\ x)}{(x - 1)^{6}}$$

Sequence: A027778
Score: 30.1526
Type of gen. func.: lgdogf

$$- \frac{3\ (2\ x + 5)}{(x + 2)\ (x - 1)}$$

Sequence: A027778
Score: 4.36663
Type of gen. func.: ogf

$\{(-2\ n - 6)\ a(n + 3) + (17 + n)\ a(n + 2) + (7 + n)\ a(n + 1),\ a(0) = 10,$

$a(1) = 75,\ a(2) = 315\}$

Sequence: A027778
Score: 7.52030
Type of gen. func.: ogf

$$- \frac{5\ (x + 2)}{(x - 1)^{7}}$$

Sequence: A027779
Score: 24.4915
Type of gen. func.: lgdogf

$$- \frac{14\ (x + 3)}{(2\ x + 5)\ (x - 1)}$$

Sequence: A027779

Score: 3.64671
Type of gen. func.: ogf

{(-15 - 5 n) a(n + 3) + (48 + 3 n) a(n + 2) + (16 + 2 n) a(n + 1), a(0) = 15,

a(1) = 126, a(2) = 588}

Sequence: A027779
Score: 5.82000
Type of gen. func.: ogf

$$\frac{3 (2 x + 5)}{(x - 1)^8}$$

Sequence: A027780
Score: 25.8578
Type of gen. func.: lgdogf

$$- \frac{4 (2 x + 7)}{(x + 3) (x - 1)}$$

Sequence: A027780
Score: 3.70435
Type of gen. func.: ogf

{(-3 n - 9) a(n + 3) + (32 + 2 n) a(n + 2) + (9 + n) a(n + 1), a(0) = 21,

a(1) = 196, a(2) = 1008}

Sequence: A027780
Score: 5.28712
Type of gen. func.: ogf

$$- \frac{7 (x + 3)}{(x - 1)^9}$$

Sequence: A027781
Score: 24.1296
Type of gen. func.: lgdogf

$$-\frac{18 (x + 4)}{(2 x + 7) (x - 1)}$$

Sequence: A027781
Score: 3.56933
Type of gen. func.: ogf

{(-21 - 7 n) a(n + 3) + (82 + 5 n) a(n + 2) + (20 + 2 n) a(n + 1), a(0) = 28,

a(1) = 288, a(2) = 1620}

Sequence: A027781
Score: 4.54019
Type of gen. func.: ogf

$$\frac{4 (2 x + 7)}{(x - 1)^{10}}$$

Sequence: A027782
Score: 34.7561
Type of gen. func.: lgdogf

$$-\frac{5 (9 + 2 x)}{(x + 4) (x - 1)}$$

Sequence: A027782
Score: 4.89194
Type of gen. func.: ogf

{(-4 n - 12) a(n + 3) + (51 + 3 n) a(n + 2) + (11 + n) a(n + 1), a(0) = 36,

a(1) = 405, a(2) = 2475}

Sequence: A027782
Score: 5.71925
Type of gen. func.: ogf

$$-\frac{9 (x + 4)}{(x - 1)^{11}}$$

Sequence: A027783
Score: 32.5810
Type of gen. func.: lgdogf

$$-\frac{22\,(5 + x)}{(9 + 2\,x)\,(x - 1)}$$

Sequence: A027783
Score: 4.76497
Type of gen. func.: ogf

{(-9 n - 27) a(n + 3) + (124 + 7 n) a(n + 2) + (24 + 2 n) a(n + 1), a(0) = 45,

a(1) = 550, a(2) = 3630}

Sequence: A027783
Score: 5.15132
Type of gen. func.: ogf

$$\frac{5\,(9 + 2\,x)}{(x - 1)^{12}}$$

Sequence: A027784
Score: 31.7689
Type of gen. func.: lgdogf

$$-\frac{6\,(11 + 2\,x)}{(5 + x)\,(x - 1)}$$

Sequence: A027784
Score: 4.67648
Type of gen. func.: ogf

{(-15 - 5 n) a(n + 3) + (74 + 4 n) a(n + 2) + (13 + n) a(n + 1), a(0) = 55,

a(1) = 726, a(2) = 5148}

Sequence: A027785

Score: 31.5182
Type of gen. func.: lgdogf

$$-\frac{26 (x + 6)}{(11 + 2 x) (x - 1)}$$

Sequence: A027785
Score: 4.77834
Type of gen. func.: ogf

{(-11 n - 33) a(n + 3) + (174 + 9 n) a(n + 2) + (28 + 2 n) a(n + 1), a(0) = 66,

    a(1) = 936, a(2) = 7098}

Sequence: A027786
Score: 31.6423
Type of gen. func.: lgdogf

$$-\frac{7 (13 + 2 x)}{(x + 6) (x - 1)}$$

Sequence: A027786
Score: 4.59929
Type of gen. func.: ogf

{(-6 n - 18) a(n + 3) + (101 + 5 n) a(n + 2) + (15 + n) a(n + 1), a(0) = 78,

    a(1) = 1183, a(2) = 9555}

Sequence: A027787
Score: 29.2646
Type of gen. func.: lgdogf

$$-\frac{30 (x + 7)}{(13 + 2 x) (x - 1)}$$

Sequence: A027787
Score: 4.35910
Type of gen. func.: ogf

{(-13 n - 39) a(n + 3) + (232 + 11 n) a(n + 2) + (32 + 2 n) a(n + 1), a(0) = 91,

a(1) = 1470, a(2) = 12600}

Sequence: A027788
Score: 31.4912
Type of gen. func.: lgdogf

$$-\frac{8\,(15 + 2\,x)}{(x + 7)\,(x - 1)}$$

Sequence: A027788
Score: 4.52049
Type of gen. func.: ogf

{(-21 - 7 n) a(n + 3) + (132 + 6 n) a(n + 2) + (17 + n) a(n + 1), a(0) = 105,

a(1) = 1800, a(2) = 16320}

Sequence: A027789
Score: 10.0883
Type of gen. func.: ogf

$$\frac{2\,(3\,x + 2)}{(x - 1)^{6}}$$

Sequence: A027789
Score: 28.5170
Type of gen. func.: lgdogf

$$-\frac{15\,(x + 1)}{(3\,x + 2)\,(x - 1)}$$

Sequence: A027789
Score: 5.20686
Type of gen. func.: ogf

{(-2 n - 6) a(n + 3) + (-n + 13) a(n + 2) + (18 + 3 n) a(n + 1), a(0) = 4,

a(1) = 30, a(2) = 120}

Sequence: A027790
Score: 28.7781
Type of gen. func.: lgdogf

$$-\frac{2 (4 + 3 x)}{(x - 1) (x + 1)}$$

Sequence: A027790
Score: 30.4473
Type of gen. func.: ogf_with_Euler_transform]

$$[8 - x]$$

Sequence: A027790
Score: 4.68440
Type of gen. func.: ogf

$$\{(-3 - n) a(n + 3) + 8 a(n + 2) + (7 + n) a(n + 1), a(0) = 10, a(1) = 80,$$

$$a(2) = 350\}$$

Sequence: A027790
Score: 7.10381
Type of gen. func.: ogf

$$-\frac{10 (x + 1)}{(x - 1)^7}$$

Sequence: A027791
Score: 23.8734
Type of gen. func.: lgdogf

$$-\frac{7 (5 + 3 x)}{(4 + 3 x) (x - 1)}$$

Sequence: A027791
Score: 3.70782
Type of gen. func.: ogf

$$\{(-4 n - 12) a(n + 3) + (37 + n) a(n + 2) + (24 + 3 n) a(n + 1), a(0) = 20,$$

a(1) = 175, a(2) = 840}

Sequence: A027791
Score: 5.85836
Type of gen. func.: ogf

$$\frac{5\,(4 + 3\,x)}{(x - 1)^{8}}$$

Sequence: A027792
Score: 27.1506
Type of gen. func.: lgdogf

$$-\frac{24\,(x + 2)}{(5 + 3\,x)\,(x - 1)}$$

Sequence: A027792
Score: 4.00842
Type of gen. func.: ogf

{(-15 - 5 n) a(n + 3) + (52 + 2 n) a(n + 2) + (27 + 3 n) a(n + 1), a(0) = 35,

a(1) = 336, a(2) = 1764}

Sequence: A027792
Score: 5.74178
Type of gen. func.: ogf

$$-\frac{7\,(5 + 3\,x)}{(x - 1)^{9}}$$

Sequence: A027793
Score: 26.3666
Type of gen. func.: lgdogf

$$-\frac{3\,(7 + 3\,x)}{(x + 2)\,(x - 1)}$$

Sequence: A027793
Score: 3.75068
Type of gen. func.: ogf

{(-2 n - 6) a(n + 3) + (23 + n) a(n + 2) + (10 + n) a(n + 1), a(0) = 56,

a(1) = 588, a(2) = 3360}

Sequence: A027793
Score: 4.70324
Type of gen. func.: ogf

$$\frac{28 (x + 2)}{(x - 1)^{10}}$$

Sequence: A027794
Score: 29.8442
Type of gen. func.: lgdogf

$$- \frac{10 (8 + 3 x)}{(7 + 3 x) (x - 1)}$$

Sequence: A027794
Score: 4.77445
Type of gen. func.: ogf

{(-21 - 7 n) a(n + 3) + (88 + 4 n) a(n + 2) + (33 + 3 n) a(n + 1), a(0) = 84,

a(1) = 960, a(2) = 5940}

Sequence: A027794
Score: 5.54115
Type of gen. func.: ogf

$$- \frac{12 (7 + 3 x)}{(x - 1)^{11}}$$

Sequence: A027795

Score: 32.3288
Type of gen. func.: lgdogf

$$-\frac{33 (x + 3)}{(8 + 3 x) (x - 1)}$$

Sequence: A027795
Score: 4.66936
Type of gen. func.: ogf

{(-8 n - 24) a(n + 3) + (109 + 5 n) a(n + 2) + (36 + 3 n) a(n + 1), a(0) = 120,

    a(1) = 1485, a(2) = 9900}

Sequence: A027795
Score: 5.07676
Type of gen. func.: ogf

$$\frac{15 (8 + 3 x)}{(x - 1)^{12}}$$

Sequence: A027796
Score: 31.6423
Type of gen. func.: lgdogf

$$-\frac{4 (10 + 3 x)}{(x + 3) (x - 1)}$$

Sequence: A027796
Score: 4.59929
Type of gen. func.: ogf

{(-3 n - 9) a(n + 3) + (44 + 2 n) a(n + 2) + (13 + n) a(n + 1), a(0) = 165,

    a(1) = 2200, a(2) = 15730}

Sequence: A027797
Score: 27.7785
Type of gen. func.: lgdogf

$$13 (11 + 3 x)$$

```
                              - ------------------
                                (10 + 3 x) (x - 1)
```

Sequence: A027797
Score: 4.65080
Type of gen. func.: ogf

```
{(-10 n - 30) a(n + 3) + (157 + 7 n) a(n + 2) + (42 + 3 n) a(n + 1), a(0) = 220,

    a(1) = 3146, a(2) = 24024}
```

Sequence: A027798
Score: 30.1791
Type of gen. func.: lgdogf

```
                                   42 (x + 4)
                              - ------------------
                                (11 + 3 x) (x - 1)
```

Sequence: A027798
Score: 4.49293
Type of gen. func.: ogf

```
{(-11 n - 33) a(n + 3) + (184 + 8 n) a(n + 2) + (45 + 3 n) a(n + 1), a(0) = 286,

    a(1) = 4368, a(2) = 35490}
```

Sequence: A027799
Score: 32.4455
Type of gen. func.: lgdogf

```
                                 5 (13 + 3 x)
                               - ---------------
                                 (x + 4) (x - 1)
```

Sequence: A027799
Score: 4.68388
Type of gen. func.: ogf

```
{(-4 n - 12) a(n + 3) + (71 + 3 n) a(n + 2) + (16 + n) a(n + 1), a(0) = 364,

    a(1) = 5915, a(2) = 50960}
```

Sequence: A027800
Score: 26.3396
Type of gen. func.: lgdogf

$$-\frac{10\,(1 + 2\,x)}{(1 + 4\,x)\,(x - 1)}$$

Sequence: A027800
Score: 5.06579
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-4 + 3 n) a(n + 2) + (-24 - 4 n) a(n + 1), a(0) = 1,

a(1) = 10, a(2) = 45}

Sequence: A027800
Score: 9.68832
Type of gen. func.: ogf

$$\frac{1 + 4\,x}{(x - 1)^{6}}$$

Sequence: A027801
Score: 26.9384
Type of gen. func.: lgdogf

$$-\frac{3\,(3 + 4\,x)}{(1 + 2\,x)\,(x - 1)}$$

Sequence: A027801
Score: 4.28566
Type of gen. func.: ogf

{(-3 - n) a(n + 3) + (7 - n) a(n + 2) + (14 + 2 n) a(n + 1), a(0) = 5,

a(1) = 45, a(2) = 210}

Sequence: A027801
Score: 7.33323
Type of gen. func.: ogf

$$-\frac{5\,(1+2\,x)}{(x-1)^7}$$

Sequence: A027802
Score: 24.9113
Type of gen. func.: lgdogf

$$-\frac{28\,(x+1)}{(3+4\,x)\,(x-1)}$$

Sequence: A027802
Score: 3.73144
Type of gen. func.: ogf

$\{(-3\,n-9)\,a(n+3)+(26-n)\,a(n+2)+(32+4\,n)\,a(n+1),\ a(0)=15,$

$a(1)=140,\ a(2)=700\}$

Sequence: A027802
Score: 5.85836
Type of gen. func.: ogf

$$\frac{5\,(3+4\,x)}{(x-1)^8}$$

Sequence: A027803
Score: 28.5310
Type of gen. func.: lgdogf

$$-\frac{2\,(4\,x+5)}{(x-1)\,(x+1)}$$

Sequence: A027803
Score: 28.7469
Type of gen. func.: ogf_with_Euler_transform]

$$[10-x]$$

Sequence: A027803
Score: 4.54296
Type of gen. func.: ogf

{(-3 - n) a(n + 3) + 10 a(n + 2) + (9 + n) a(n + 1), a(0) = 35, a(1) = 350,

a(2) = 1890}

Sequence: A027803
Score: 5.77078
Type of gen. func.: ogf

$$-\frac{35 (x + 1)}{(x - 1)^{9}}$$

Sequence: A027804
Score: 23.5789
Type of gen. func.: lgdogf

$$-\frac{18 (3 + 2 x)}{(4 x + 5) (x - 1)}$$

Sequence: A027804
Score: 3.78625
Type of gen. func.: ogf

{(-15 - 5 n) a(n + 3) + (56 + n) a(n + 2) + (40 + 4 n) a(n + 1), a(0) = 70,

a(1) = 756, a(2) = 4410}

Sequence: A027804
Score: 4.77789
Type of gen. func.: ogf

$$\frac{14 (4 x + 5)}{(x - 1)^{10}}$$

Sequence: A027805

Score: 30.1770
Type of gen. func.: lgdogf

$$-\frac{5\,(7 + 4\,x)}{(3 + 2\,x)\,(x - 1)}$$

Sequence: A027805
Score: 4.60702
Type of gen. func.: ogf

{(-3 n - 9) a(n + 3) + (37 + n) a(n + 2) + (22 + 2 n) a(n + 1), a(0) = 126,

a(1) = 1470, a(2) = 9240}

Sequence: A027805
Score: 5.34148
Type of gen. func.: ogf

$$-\frac{42\,(3 + 2\,x)}{(x - 1)^{11}}$$

Sequence: A027806
Score: 33.0285
Type of gen. func.: lgdogf

$$-\frac{44\,(x + 2)}{(7 + 4\,x)\,(x - 1)}$$

Sequence: A027806
Score: 4.76871
Type of gen. func.: ogf

{(-21 - 7 n) a(n + 3) + (94 + 3 n) a(n + 2) + (48 + 4 n) a(n + 1), a(0) = 210,

a(1) = 2640, a(2) = 17820}

Sequence: A027806
Score: 5.15021
Type of gen. func.: ogf

30 (7 + 4 x)

$$\frac{\qquad}{(x - 1)^{12}}$$

Sequence: A027807
Score: 33.9474
Type of gen. func.: lgdogf

$$- \frac{3 (9 + 4 x)}{(x + 2) (x - 1)}$$

Sequence: A027807
Score: 4.71773
Type of gen. func.: ogf

{(-2 n - 6) a(n + 3) + (29 + n) a(n + 2) + (13 + n) a(n + 1), a(0) = 330,

a(1) = 4455, a(2) = 32175}

Sequence: A027808
Score: 28.9719
Type of gen. func.: lgdogf

$$- \frac{26 (2 x + 5)}{(9 + 4 x) (x - 1)}$$

Sequence: A027808
Score: 4.52049
Type of gen. func.: ogf

{(-9 n - 27) a(n + 3) + (140 + 5 n) a(n + 2) + (56 + 4 n) a(n + 1), a(0) = 495,

a(1) = 7150, a(2) = 55055}

Sequence: A027809
Score: 27.8194
Type of gen. func.: lgdogf

$$- \frac{7 (11 + 4 x)}{(2 x + 5) (x - 1)}$$

Sequence: A027809
Score: 4.34263
Type of gen. func.: ogf

{(-15 - 5 n) a(n + 3) + (83 + 3 n) a(n + 2) + (30 + 2 n) a(n + 1), a(0) = 715,

a(1) = 11011, a(2) = 90090}

Sequence: A027810
Score: 25.3951
Type of gen. func.: lgdogf

$$-\frac{6\,(2 + 5x)}{(1 + 5x)\,(x - 1)}$$

Sequence: A027810
Score: 4.07157
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-4 + 4 n) a(n + 2) + (-35 - 5 n) a(n + 1), a(0) = 1,

a(1) = 12, a(2) = 63}

Sequence: A027810
Score: 6.99944
Type of gen. func.: ogf

$$-\frac{1 + 5x}{(x - 1)^{7}}$$

Sequence: A027811
Score: 25.9547
Type of gen. func.: lgdogf

$$-\frac{7\,(3 + 5x)}{(2 + 5x)\,(x - 1)}$$

Sequence: A027811
Score: 4.10385
Type of gen. func.: ogf

```
{(-2 n - 6) a(n + 3) + (15 - 3 n) a(n + 2) + (40 + 5 n) a(n + 1), a(0) = 6,

    a(1) = 63, a(2) = 336}



------------------------------------------------------------------------------

Sequence:  A027811
Score: 6.42522
Type of gen. func.: ogf

                                  3 (2 + 5 x)
                                  -----------
                                          8
                                   (x - 1)



------------------------------------------------------------------------------

Sequence:  A027812
Score: 25.8852
Type of gen. func.: lgdogf

                                   8 (5 x + 4)
                              - -----------------
                                (3 + 5 x) (x - 1)



------------------------------------------------------------------------------

Sequence:  A027812
Score: 4.01341
Type of gen. func.: ogf


{(-3 n - 9) a(n + 3) + (28 - 2 n) a(n + 2) + (45 + 5 n) a(n + 1), a(0) = 21,

    a(1) = 224, a(2) = 1260}



------------------------------------------------------------------------------

Sequence:  A027812
Score: 5.71278
Type of gen. func.: ogf

                                   7 (3 + 5 x)
                                 - -----------
                                           9
                                    (x - 1)



------------------------------------------------------------------------------

Sequence:  A027813
Score: 25.4929
Type of gen. func.: lgdogf

                                   45 (x + 1)
                              - -----------------
```

$$(5 x + 4) (x - 1)$$

Sequence: A027813
Score: 3.76653
Type of gen. func.: ogf

$$\{(-4 n - 12) a(n + 3) + (43 - n) a(n + 2) + (50 + 5 n) a(n + 1), a(0) = 56, a(1) = 630, a(2) = 3780\}$$

Sequence: A027813
Score: 4.75301
Type of gen. func.: ogf

$$\frac{14 (5 x + 4)}{(x - 1)^{10}}$$

Sequence: A027814
Score: 33.0667
Type of gen. func.: lgdogf

$$- \frac{2 (5 x + 6)}{(x - 1) (x + 1)}$$

Sequence: A027814
Score: 33.2251
Type of gen. func.: ogf_with_Euler_transform]

$$[12 - x]$$

Sequence: A027814
Score: 5.14126
Type of gen. func.: ogf

$$\{(-3 - n) a(n + 3) + 12 a(n + 2) + (11 + n) a(n + 1), a(0) = 126, a(1) = 1512, a(2) = 9702\}$$

Sequence: A027814

Score: 5.32620
Type of gen. func.: ogf

$$-\frac{126\,(x+1)}{(x-1)^{11}}$$

Sequence: A027815
Score: 28.9838
Type of gen. func.: lgdogf

$$-\frac{11\,(7+5\,x)}{(5\,x+6)\,(x-1)}$$

Sequence: A027815
Score: 4.55128
Type of gen. func.: ogf

{(-6 n - 18) a(n + 3) + (79 + n) a(n + 2) + (60 + 5 n) a(n + 1), a(0) = 252,

a(1) = 3234, a(2) = 22176}

Sequence: A027816
Score: 28.2194
Type of gen. func.: lgdogf

$$-\frac{12\,(8+5\,x)}{(7+5\,x)\,(x-1)}$$

Sequence: A027816
Score: 4.40507
Type of gen. func.: ogf

{(-21 - 7 n) a(n + 3) + (100 + 2 n) a(n + 2) + (65 + 5 n) a(n + 1), a(0) = 462,

a(1) = 6336, a(2) = 46332}

Sequence: A027817
Score: 29.7244
Type of gen. func.: lgdogf

13 (5 x + 9)

$$-\frac{}{(8 + 5 x) (x - 1)}$$

Sequence: A027817
Score: 4.60764
Type of gen. func.: ogf

{(-8 n - 24) a(n + 3) + (123 + 3 n) a(n + 2) + (70 + 5 n) a(n + 1), a(0) = 792,

    a(1) = 11583, a(2) = 90090}

Sequence: A027818
Score: 24.7916
Type of gen. func.: lgdogf

$$-\frac{14 (3 x + 1)}{(6 x + 1) (x - 1)}$$

Sequence: A027818
Score: 4.13803
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-4 + 5 n) a(n + 2) + (-48 - 6 n) a(n + 1), a(0) = 1,

    a(1) = 14, a(2) = 84}

Sequence: A027818
Score: 6.46039
Type of gen. func.: ogf

$$\frac{6 x + 1}{(x - 1)^{8}}$$

Sequence: A027819
Score: 25.1525
Type of gen. func.: lgdogf

$$-\frac{12 (1 + 2 x)}{(3 x + 1) (x - 1)}$$

Sequence: A027819
Score: 4.16783
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-8 + 2 n) a(n + 2) + (-27 - 3 n) a(n + 1), a(0) = 7,

a(1) = 84, a(2) = 504}

Sequence: A027819
Score: 5.83496
Type of gen. func.: ogf

$$-\frac{7\ (3\ x + 1)}{(x - 1)^{9}}$$

Sequence: A027820
Score: 23.6468
Type of gen. func.: lgdogf

$$-\frac{6\ (3\ x + 2)}{(1 + 2\ x)\ (x - 1)}$$

Sequence: A027820
Score: 3.67130
Type of gen. func.: ogf

{(-3 - n) a(n + 3) + (-n + 10) a(n + 2) + (20 + 2 n) a(n + 1), a(0) = 28,

a(1) = 336, a(2) = 2100}

Sequence: A027820
Score: 4.60370
Type of gen. func.: ogf

$$\frac{28\ (1 + 2\ x)}{(x - 1)^{10}}$$

Sequence: A027821
Score: 31.9022

Type of gen. func.: lgdogf

$$-\frac{5\,(5 + 6\,x)}{(3\,x + 2)\,(x - 1)}$$

Sequence: A027821
Score: 4.89740
Type of gen. func.: ogf

{(-2 n - 6) a(n + 3) + (23 - n) a(n + 2) + (33 + 3 n) a(n + 1), a(0) = 84,

    a(1) = 1050, a(2) = 6930}

Sequence: A027821
Score: 5.64265
Type of gen. func.: ogf

$$-\frac{42\,(3\,x + 2)}{(x - 1)^{11}}$$

Sequence: A027822
Score: 31.2278
Type of gen. func.: lgdogf

$$-\frac{66\,(x + 1)}{(5 + 6\,x)\,(x - 1)}$$

Sequence: A027822
Score: 4.51205
Type of gen. func.: ogf

{(-15 - 5 n) a(n + 3) + (64 - n) a(n + 2) + (72 + 6 n) a(n + 1), a(0) = 210,

    a(1) = 2772, a(2) = 19404}

Sequence: A027823
Score: 32.3526
Type of gen. func.: lgdogf

$$-\frac{2\,(7 + 6\,x)}{}$$

$$(x - 1) (x + 1)$$

Sequence: A027823
Score: 32.4559
Type of gen. func.: ogf_with_Euler_transform]

$$[14 - x]$$

Sequence: A027823
Score: 4.99516
Type of gen. func.: ogf

$$\{(-3 - n) a(n + 3) + 14 a(n + 2) + (13 + n) a(n + 1), a(0) = 462, a(1) = 6468, a(2) = 48048\}$$

Sequence: A027826
Score: 4.33691
Type of gen. func.: ogf

$$- (2 x^4 - 4 x^2 + 4 x - 1) (-1 + 2 x)^3 / ((x - 1) (x^2 + 2 x - 1) (x^8 + 8 x^6 - 8 x^5 - 14 x^4 + 32 x^3 - 24 x^2 + 8 x - 1))$$

Sequence: A027831
Score: 11.4150
Type of gen. func.: ogf

$$- \frac{1}{2 x^4 - 4 x^3 - 2 x^2 + 4 x - 1}$$

Sequence: A027831
Score: 11.6303
Type of gen. func.: lgdogf

$$- \frac{4 (-1 + 2 x) (x^2 - x - 1)}{2 x^4 - 4 x^3 - 2 x^2 + 4 x - 1}$$

Sequence: A027831
Score: 4.58473
Type of gen. func.: ogf

$$-(19 f(x) - 2) (2 f(x) x^4 - 4 f(x) x^3 - 2 f(x) x^2 + 4 f(x) x - f(x) + 1)$$

Sequence: A027849
Score: 13.9035
Type of gen. func.: lgdogf

$$-\frac{2 (13 x^2 + 37 x + 10)}{(x - 1) (13 x^2 + 16 x + 1)}$$

Sequence: A027849
Score: 4.05401
Type of gen. func.: ogf

$$(5174625 f(x) + 65986798)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 13 x^2 + f(x) - 16 x - 1)$$

Sequence: A027849
Score: 8.22223
Type of gen. func.: ogf

$$\frac{13 x^2 + 16 x + 1}{(x - 1)^4}$$

Sequence: A027850
Score: 6.26558
Type of gen. func.: ogf

$$-\frac{71 x^3 + 201 x^2 + 63 x + 1}{(x - 1)^5}$$

Sequence: A027850
Score: 9.60578
Type of gen. func.: lgdogf

$$-\frac{2\,(71\,x^3 + 408\,x^2 + 327\,x + 34)}{(x - 1)\,(71\,x^3 + 201\,x^2 + 63\,x + 1)}$$

Sequence: A027865
Score: 14.3103
Type of gen. func.: lgdogf

$$-\frac{31\,x^2 - 86\,x + 91}{(x - 1)\,(31\,x^2 - 74\,x + 55)}$$

Sequence: A027865
Score: 5.05718
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 55, a(1) = 91, a(2) = 139}

Sequence: A027865
Score: 7.06952
Type of gen. func.: ogf

$$(197\,f(x) + 5527)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 31\,x^2 - f(x) - 74\,x + 55)$$

Sequence: A027865
Score: 9.16614
Type of gen. func.: ogf

$$-\frac{31\,x^2 - 74\,x + 55}{(x - 1)^3}$$

Sequence: A027868
Score: 9.46497
Type of gen. func.: ogf

$$\frac{x^{5} (2 x^{20} + x^{15} + x^{10} + x^{5} + 1)}{(x^{4} + x^{3} + x^{2} + x + 1) (x^{20} + x^{15} + x^{10} + x^{5} + 1) (x - 1)^{2}}$$

Sequence: A027903
Score: 11.9898
Type of gen. func.: ogf

$$\frac{2 x (5 x + 4)}{(x - 1)^{4}}$$

Sequence: A027903
Score: 32.5141
Type of gen. func.: lgdogf

$$- \frac{3 (7 + 5 x)}{(5 x + 4) (x - 1)}$$

Sequence: A027903
Score: 5.20611
Type of gen. func.: ogf

$\{(8 + 4 n) a(n + 3) + (-20 + n) a(n + 2) + (-15 - 5 n) a(n + 1), a(0) = 0,$

$a(1) = 8, a(2) = 42\}$

Sequence: A027903
Score: 5.69302
Type of gen. func.: ogf

$(4199769 f(x) + 30998882)$

$(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 4 f(x) x - 10 x^{2} + f(x) - 8 x)$

Sequence: A027906

Score: 9.99547
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4x^2+4x+4}{-x^4+2x^2-1}$$

Sequence: A027914
Score: 4.92563
Type of gen. func.: ogf

$$9f(x)^2x^3+3f(x)^2x^2-5f(x)^2x+3f(x)x^2+f(x)^2+2f(x)x-f(x)+x$$

Sequence: A027916
Score: 12.0835
Type of gen. func.: ogf

$$-\frac{x+2}{(x^2+x+1)(x-1)^3}$$

Sequence: A027916
Score: 19.0205
Type of gen. func.: lgdogf

$$-\frac{4x^3+12x^2+6x+5}{(x+2)(x-1)(x^2+x+1)}$$

Sequence: A027927
Score: 11.3478
Type of gen. func.: lgdogf

$$-\frac{x^4-2x^3+6x^2-2x+2}{(x-1)(x^4-3x^3+5x^2-3x+1)}$$

Sequence: A027927

Score: 6.60122
Type of gen. func.: ogf

$$-\frac{x^4 - 3x^3 + 5x^2 - 3x + 1}{(x-1)^5}$$

Sequence: A027928
Score: 11.4769
Type of gen. func.: lgdogf

$$-\frac{2x^4 - 5x^3 + 11x^2 - 5x + 3}{(x-1)(x^4 - 3x^3 + 5x^2 - 3x + 1)}$$

Sequence: A027928
Score: 6.42698
Type of gen. func.: ogf

$$\frac{x^4 - 3x^3 + 5x^2 - 3x + 1}{(x-1)^6}$$

Sequence: A027929
Score: 5.15596
Type of gen. func.: ogf

$$-\frac{(x^2 - x + 1)(x^4 - 4x^3 + 7x^2 - 4x + 1)}{(x-1)^7}$$

Sequence: A027929
Score: 8.43648
Type of gen. func.: lgdogf

$$-\frac{x^6 - 4x^5 + 11x^4 - 12x^3 + 15x^2 - 6x + 2}{(x-1)(x^2 - x + 1)(x^4 - 4x^3 + 7x^2 - 4x + 1)}$$

Sequence: A027930
Score: 4.67015
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1) (x^4 - 4 x^3 + 7 x^2 - 4 x + 1)}{(x - 1)^8}$$

Sequence: A027930
Score: 7.86131
Type of gen. func.: lgdogf

$$- \frac{2 x^6 - 9 x^5 + 23 x^4 - 27 x^3 + 27 x^2 - 11 x + 3}{(x - 1) (x^2 - x + 1) (x^4 - 4 x^3 + 7 x^2 - 4 x + 1)}$$

Sequence: A027931
Score: 4.03657
Type of gen. func.: ogf

$$- \frac{x^8 - 7 x^7 + 23 x^6 - 44 x^5 + 55 x^4 - 44 x^3 + 23 x^2 - 7 x + 1}{(x - 1)^9}$$

Sequence: A027931
Score: 5.95003
Type of gen. func.: lgdogf

$$- \frac{x^8 - 6 x^7 + 20 x^6 - 38 x^5 + 55 x^4 - 44 x^3 + 29 x^2 - 10 x + 2}{(x - 1) (x^8 - 7 x^7 + 23 x^6 - 44 x^5 + 55 x^4 - 44 x^3 + 23 x^2 - 7 x + 1)}$$

Sequence: A027932
Score: 3.49312
Type of gen. func.: ogf

$$\frac{x^8 - 7 x^7 + 23 x^6 - 44 x^5 + 55 x^4 - 44 x^3 + 23 x^2 - 7 x + 1}{}$$

$$(x - 1)^{10}$$

Sequence: A027932
Score: 5.40704
Type of gen. func.: lgdogf

$$- \frac{2 x^8 - 13 x^7 + 43 x^6 - 82 x^5 + 110 x^4 - 88 x^3 + 52 x^2 - 17 x + 3}{(x - 1) (x^8 - 7 x^7 + 23 x^6 - 44 x^5 + 55 x^4 - 44 x^3 + 23 x^2 - 7 x + 1)}$$

Sequence: A027933
Score: 3.57671
Type of gen. func.: ogf

$$- \frac{(x^2 - x + 1) (x^4 - 5 x^3 + 9 x^2 - 5 x + 1) (x^4 - 3 x^3 + 5 x^2 - 3 x + 1)}{(x - 1)^{11}}$$

Sequence: A027934
Score: 12.1605
Type of gen. func.: ogf

$$- \frac{x (x - 1)}{(-1 + 2 x) (x^2 + x - 1)}$$

Sequence: A027934
Score: 15.5171
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 5 x^2 - 2 x + 2}{(x - 1) (-1 + 2 x) (x^2 + x - 1)}$$

Sequence: A027934
Score: 6.24458
Type of gen. func.: ogf

$\{-a(n + 3) + 3 a(n + 2) - a(n + 1) - 2 a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$

Sequence: A027934
Score: 8.15467
Type of gen. func.: ogf

$$2 f(x) x^{3} + f(x) x^{2} - 3 f(x) x + x^{2} + f(x) - x$$

Sequence: A027937
Score: 4.21464
Type of gen. func.: ogf

$$-(9017 f(x) + 4604)$$

$$(f(x) x^{4} - 5 f(x) x^{3} + 8 f(x) x^{2} - 5 f(x) x + x^{2} + f(x) - 2 x - 1)$$

Sequence: A027937
Score: 8.49038
Type of gen. func.: ogf

$$-\frac{x^{2} - 2 x - 1}{(x^{2} - 3 x + 1) (x - 1)^{2}}$$

Sequence: A027937
Score: 9.87863
Type of gen. func.: lgdogf

$$-\frac{(x + 1) (2 x^{3} - 11 x^{2} + 18 x - 7)}{(x - 1) (x^{2} - 3 x + 1) (x^{2} - 2 x - 1)}$$

Sequence: A027938
Score: 4.82049
Type of gen. func.: ogf

$$-\frac{x^{3} + x^{2} - 9 x - 1}{{}^{2} \qquad\qquad\qquad {}^{4}}$$

$$(x - 3 x + 1) (x - 1)$$

Sequence: A027938
Score: 6.53027
Type of gen. func.: lgdogf

$$-\frac{3 x^{5} - x^{4} - 59 x^{3} + 113 x^{2} - 8 x - 16}{(x - 1) (x^{2} - 3 x + 1) (x^{3} + x^{2} - 9 x - 1)}$$

Sequence: A027939
Score: 3.74466
Type of gen. func.: ogf

$$-\frac{x^{4} + 8 x^{3} - 20 x^{2} - 20 x - 1}{(x^{2} - 3 x + 1) (x - 1)^{6}}$$

Sequence: A027941
Score: 18.6651
Type of gen. func.: ogf

$$-\frac{x}{(x - 1) (x^{2} - 3 x + 1)}$$

Sequence: A027941
Score: 20.4097
Type of gen. func.: lgdogf

$$-\frac{(3 x - 2) (x - 2)}{(x^{2} - 3 x + 1) (x - 1)}$$

Sequence: A027941
Score: 6.89432
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 4\}$$

Sequence: A027941
Score: 9.93856
Type of gen. func.: ogf

$$f(x)\,x^{3} - 4\,f(x)\,x^{2} + 4\,f(x)\,x - f(x) + x$$

Sequence: A027942
Score: 12.3076
Type of gen. func.: lgdogf

$$-\frac{6\,x^{4} - 32\,x^{3} + 41\,x^{2} + 8\,x - 11}{(x - 1)\,(x^{2} - 3\,x + 1)\,(2\,x^{2} - 5\,x - 1)}$$

Sequence: A027942
Score: 9.82789
Type of gen. func.: ogf

$$\frac{2\,x^{2} - 5\,x - 1}{(x^{2} - 3\,x + 1)\,(x - 1)^{3}}$$

Sequence: A027943
Score: 4.15445
Type of gen. func.: ogf

$$\frac{4\,x^{3} - 5\,x^{2} - 14\,x - 1}{(x^{2} - 3\,x + 1)\,(x - 1)^{5}}$$

Sequence: A027943
Score: 5.42265
Type of gen. func.: lgdogf

$$-\frac{16\,x^{5} - 57\,x^{4} - 40\,x^{3} + 229\,x^{2} - 46\,x - 22}{(x - 1)\,(x^{2} - 3\,x + 1)\,(4\,x^{3} - 5\,x^{2} - 14\,x - 1)}$$

Sequence: A027944
Score: 3.17745
Type of gen. func.: ogf

$$\frac{6 x^4 + 7 x^3 - 49 x^2 - 27 x - 1}{(x^2 - 3 x + 1) (x - 1)^7}$$

Sequence: A027946
Score: 6.06504
Type of gen. func.: lgdogf

$$- \frac{12 x^8 - 28 x^7 - 42 x^6 + 128 x^5 - x^4 - 158 x^3 + 101 x^2 - 4 x - 7}{(x - 1) (-1 + 2 x) (x^2 + x - 1) (x^2 - x - 1) (2 x^3 - 2 x^2 - 5 x + 4)}$$

Sequence: A027946
Score: 6.75991
Type of gen. func.: ogf

$$\frac{x^3 (2 x^3 - 2 x^2 - 5 x + 4)}{(-1 + 2 x) (x - 1) (x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A027947
Score: 12.1476
Type of gen. func.: ogf

$$\frac{x + 1}{x^4 - x^3 - 2 x^2 + 1}$$

Sequence: A027947
Score: 13.2894
Type of gen. func.: lgdogf

$$3 x^4 + 2 x^3 - 5 x^2 - 4 x - 1$$

```
                         - ----------------------------
                                     4    3      2
                           (x + 1) (x  - x  - 2 x  + 1)



-------------------------------------------------------------------------------

Sequence:  A027947
Score: 6.72246
Type of gen. func.: ogf


                              4          3           2
          (8 f(x) + 5) (f(x) x  - f(x) x  - 2 f(x) x  + f(x) - x - 1)



-------------------------------------------------------------------------------

Sequence:  A027949
Score: 7.17216
Type of gen. func.: ogf


                       5       4        3        2
                      x  - 6 x  + 14 x  - 14 x  + 2 x - 1
                      -----------------------------------
                              2                   3
                            (x  - 3 x + 1) (x - 1)



-------------------------------------------------------------------------------

Sequence:  A027949
Score: 8.91263
Type of gen. func.: lgdogf


                                   4      3      2
                     (-1 + 2 x) (x  - 2 x  - 9 x  + 18 x + 4)
         - ------------------------------------------------------------
                     2              5      4       3       2
           (x - 1) (x  - 3 x + 1) (x  - 6 x  + 14 x  - 14 x  + 2 x - 1)



-------------------------------------------------------------------------------

Sequence:  A027950
Score: 5.06045
Type of gen. func.: ogf


               7      6       5       4       3       2
              x  - 8 x  + 26 x  - 44 x  + 49 x  - 41 x  + 2 x - 1
              ----------------------------------------------------
                              2                   5
                            (x  - 3 x + 1) (x - 1)



-------------------------------------------------------------------------------

Sequence:  A027951
Score: 3.82134
Type of gen. func.: ogf


     9       8       7        6        5        4       3       2
```

$$\frac{x - 10 x + 43 x - 105 x + 162 x - 148 x + 84 x - 92 x + 2 x - 1}{(x^2 - 3 x + 1) (x - 1)^7}$$

Sequence: A027953
Score: 4.37291
Type of gen. func.: ogf

$$(-21837 + 41312 f(x)) (f(x) x^4 - 5 f(x) x^3 - x^4 + 8 f(x) x^2 + 5 x^3 - 5 f(x) x - 7 x^2 + f(x) + 2 x - 1)$$

Sequence: A027953
Score: 7.87125
Type of gen. func.: ogf

$$\frac{x^4 - 5 x^3 + 7 x^2 - 2 x + 1}{(x^2 - 3 x + 1) (x - 1)^2}$$

Sequence: A027953
Score: 9.64518
Type of gen. func.: lgdogf

$$\frac{2 x^4 - 12 x^3 + 18 x^2 - x - 3}{(x - 1) (x^2 - 3 x + 1) (x^4 - 5 x^3 + 7 x^2 - 2 x + 1)}$$

Sequence: A027954
Score: 3.63857
Type of gen. func.: ogf

$$\frac{x^6 - 7 x^5 + 19 x^4 - 29 x^3 + 25 x^2 - 2 x + 1}{(x^2 - 3 x + 1) (x - 1)^4}$$

Sequence: A027958
Score: 5.78202

Type of gen. func.: ogf

$$-\frac{2x^6 - 6x^4 - x^3 + 2x^2 + x - 1}{(x - 1)(-1 + 2x)(x + 1)(x^2 + x - 1)(x^2 - x - 1)}$$

Sequence: A027959
Score: 6.49763
Type of gen. func.: lgdogf

$$-\frac{2x^9 - 4x^8 - 2x^7 + 10x^6 + 2x^5 - 12x^4 - 6x^3 + 3x^2 + 4x + 1}{(x - 1)(x + 1)(x^4 - x^3 - 2x^2 + 1)(x^4 - x^3 - x^2 + x + 1)}$$

Sequence: A027959
Score: 7.25159
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 - x^2 + x + 1}{(x - 1)(x + 1)(x^4 - x^3 - 2x^2 + 1)}$$

Sequence: A027961
Score: 15.8806
Type of gen. func.: ogf

$$\frac{1 + 2x}{(x - 1)(x^2 + x - 1)}$$

Sequence: A027961
Score: 17.0830
Type of gen. func.: lgdogf

$$-\frac{4x^3 + 3x^2 - 4}{(x - 1)(1 + 2x)(x^2 + x - 1)}$$

Sequence: A027961
Score: 7.60239
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n), a(0) = 1, a(1) = 4, a(2) = 8\}$$

Sequence: A027961
Score: 8.30959
Type of gen. func.: ogf

$$(25 f(x) + 7) (f(x) x^3 - 2 f(x) x + f(x) - 2 x - 1)$$

Sequence: A027962
Score: 2.99985
Type of gen. func.: ogf

$$- \frac{1 + 2 x}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A027963
Score: 14.1175
Type of gen. func.: lgdogf

$$- \frac{8 x^3 + 9 x^2 - 2 x - 6}{(x - 1) (1 + 2 x) (x^2 + x - 1)}$$

Sequence: A027963
Score: 9.40614
Type of gen. func.: ogf

$$\frac{1 + 2 x}{(x^2 + x - 1) (x - 1)^3}$$

Sequence: A027964
Score: 13.3153
Type of gen. func.: lgdogf

$$-\frac{10 x^3 + 12 x^2 - 3 x - 7}{(x - 1) (1 + 2 x) (x^2 + x - 1)}$$

Sequence: A027964
Score: 8.30423
Type of gen. func.: ogf

$$-\frac{1 + 2 x}{(x^2 + x - 1) (x - 1)^4}$$

Sequence: A027965
Score: 5.69812
Type of gen. func.: ogf

$$-\frac{(2 x - 3) (x^2 - x + 1)}{(x - 1)^4}$$

Sequence: A027965
Score: 6.4681
Type of gen. func.: ogf

$$(274 f(x) + 4217)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 2 x^3 - 4 f(x) x - 5 x^2 + f(x) + 5 x - 3)$$

Sequence: A027965
Score: 9.44778
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 4 x^2 + 5 x - 7}{(x - 1) (2 x - 3) (x^2 - x + 1)}$$

Sequence: A027966
Score: 5.19131

Type of gen. func.: ogf

$$\frac{x^4 - x^3 - x^2 + x - 1}{(x-1)^5}$$

Sequence: A027966
Score: 9.78713
Type of gen. func.: lgdogf

$$-\frac{x^4 + 2x^3 - 6x^2 + 2x - 4}{(x-1)(x^4 - x^3 - x^2 + x - 1)}$$

Sequence: A027967
Score: 5.76483
Type of gen. func.: ogf

$$-\frac{(2x-3)(x^4 - 3x^3 + 5x^2 - 3x + 1)}{(x-1)^6}$$

Sequence: A027967
Score: 8.76825
Type of gen. func.: lgdogf

$$-\frac{2x^5 - 8x^4 + 21x^3 - 27x^2 + 13x - 7}{(x-1)(2x-3)(x^4 - 3x^3 + 5x^2 - 3x + 1)}$$

Sequence: A027968
Score: 5.23121
Type of gen. func.: ogf

$$\frac{x^6 - 3x^5 + 4x^4 - x^3 - 4x^2 + 3x - 1}{(x-1)^7}$$

Sequence: A027968
Score: 8.93028
Type of gen. func.: lgdogf

$$-\frac{x^6 - 3x^4 + 12x^3 - 23x^2 + 10x - 4}{(x-1)(x^6 - 3x^5 + 4x^4 - x^3 - 4x^2 + 3x - 1)}$$

Sequence: A027969
Score: 4.29249
Type of gen. func.: ogf

$$-\frac{(2x-3)(x^2 - x + 1)(x^4 - 4x^3 + 7x^2 - 4x + 1)}{(x-1)^8}$$

Sequence: A027969
Score: 6.45174
Type of gen. func.: lgdogf

$$-\frac{2x^7 - 12x^6 + 39x^5 - 69x^4 + 81x^3 - 69x^2 + 27x - 7}{(x-1)(2x-3)(x^2 - x + 1)(x^4 - 4x^3 + 7x^2 - 4x + 1)}$$

Sequence: A027970
Score: 4.00293
Type of gen. func.: ogf

$$\frac{x^8 - 5x^7 + 11x^6 - 10x^5 - x^4 + 10x^3 - 11x^2 + 5x - 1}{(x-1)^9}$$

Sequence: A027970
Score: 6.02509
Type of gen. func.: lgdogf

```
     8      7      6       5       4       3       2
    x  - 2 x  - 2 x  + 26 x  - 55 x  + 56 x  - 47 x  + 18 x - 4
 - -------------------------------------------------------------------
           8      7       6       5    4       3       2
```

$$(x - 1) (x - 5 x + 11 x - 10 x - x + 10 x - 11 x + 5 x - 1)$$

Sequence: A027973
Score: 11.6005
Type of gen. func.: lgdogf

$$-\frac{4 x^4 - 4 x^3 - x^2 - 6 x + 4}{(x - 1) (1 + 2 x) (-1 + 2 x) (x^2 + x - 1)}$$

Sequence: A027973
Score: 13.1262
Type of gen. func.: ogf

$$-\frac{(1 + 2 x) (x - 1)}{(-1 + 2 x) (x^2 + x - 1)}$$

Sequence: A027973
Score: 6.7856
Type of gen. func.: ogf

$$-(25 f(x) - 334) (2 f(x) x^3 + f(x) x^2 - 3 f(x) x + 2 x^2 + f(x) - x - 1)$$

Sequence: A027973
Score: 7.14912
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + a(n + 1) + 2 a(n), a(0) = 1, a(1) = 4, a(2) = 9\}$$

Sequence: A027974
Score: 12.2621
Type of gen. func.: ogf

$$\frac{1 + 2 x}{(-1 + 2 x) (x^2 + x - 1)}$$

Sequence: A027974
Score: 13.5408
Type of gen. func.: lgdogf

$$-\frac{8 x^{3} + 8 x^{2} + 2 x - 5}{(1 + 2 x) (-1 + 2 x) (x^{2} + x - 1)}$$

Sequence: A027974
Score: 5.75122
Type of gen. func.: ogf

$$-(3865 f(x) + 1196) (2 f(x) x^{3} + f(x) x^{2} - 3 f(x) x + f(x) - 2 x - 1)$$

Sequence: A027974
Score: 5.75123
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + a(n + 1) + 2 a(n), a(0) = 1, a(1) = 5, a(2) = 14\}$$

Sequence: A027975
Score: 7.78272
Type of gen. func.: ogf

$$\frac{2 x^{2} + 1}{(x - 1) (x^{3} + x^{2} - 1)}$$

Sequence: A027975
Score: 7.81367
Type of gen. func.: lgdogf

$$-\frac{4 x^{5} + 4 x^{3} + 2 x^{2} - 6 x - 1}{(x - 1) (2 x^{2} + 1) (x^{3} + x^{2} - 1)}$$

Sequence: A027975
Score: 8.08198

Type of gen. func.: ogf

$$-(757 f(x) + 14) (f(x) x^4 - f(x) x^2 - f(x) x - 2 x^2 + f(x) - 1)$$

Sequence: A027976
Score: 5.75147
Type of gen. func.: lgdogf

$$-\frac{6 x^6 + 4 x^5 + 3 x^4 + 4 x^3 - x^2 - 6 x - 1}{(x - 1) (x^2 + x + 1) (x^2 + x - 1) (2 x^2 + 1)}$$

Sequence: A027976
Score: 5.93405
Type of gen. func.: ogf

$$\frac{2 x^2 + 1}{(x - 1) (x^2 + x + 1) (x^2 + x - 1)}$$

Sequence: A027978
Score: 10.1239
Type of gen. func.: lgdogf

$$-\frac{8 x^4 - 2 x^3 - 9 x^2 + 15 x - 11}{(x^2 - 3 x + 1) (8 x^3 - 13 x^2 + 5 x + 1)}$$

Sequence: A027978
Score: 4.47941
Type of gen. func.: ogf

$$(220 f(x) + 427) (f(x) x^4 - 6 f(x) x^3 + 11 f(x) x^2 - 8 x^3 - 6 f(x) x + 13 x^2 + f(x) - 5 x - 1)$$

Sequence: A027978
Score: 8.10832
Type of gen. func.: ogf

$$\frac{8 x^3 - 13 x^2 + 5 x + 1}{(x^2 - 3 x + 1)^2}$$

Sequence: A027979
Score: 6.60898
Type of gen. func.: ogf

$$\frac{2 x^4 + 7 x^3 - 16 x^2 + 5 x + 1}{(x + 1) (x^2 - 3 x + 1)^2}$$

Sequence: A027979
Score: 6.75965
Type of gen. func.: lgdogf

$$- \frac{2 x^6 + 20 x^5 - 35 x^4 + 35 x^3 - 15 x^2 + 12 x - 10}{(x + 1) (x^2 - 3 x + 1) (2 x^4 + 7 x^3 - 16 x^2 + 5 x + 1)}$$

Sequence: A027980
Score: 6.94736
Type of gen. func.: ogf

$$\frac{6 x^3 - 12 x^2 + 8 x + 1}{(x + 1) (x^2 - 3 x + 1)^2}$$

Sequence: A027980
Score: 7.59430
Type of gen. func.: lgdogf

$$- \frac{12 x^5 - 30 x^4 + 50 x^3 - 25 x^2 - 5 x - 13}{(x + 1) (x^2 - 3 x + 1) (6 x^3 - 12 x^2 + 8 x + 1)}$$

Sequence: A027981
Score: 10.6980
Type of gen. func.: ogf

$$\frac{2 x^2 - 5 x - 1}{(x - 1) (-1 + 2 x)^2}$$

Sequence: A027981
Score: 13.8998
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^3 - 9 x^2 + 5)}{(x - 1) (-1 + 2 x) (2 x^2 - 5 x - 1)}$$

Sequence: A027981
Score: 5.72435
Type of gen. func.: ogf

$$(52 f(x) - 127) (4 f(x) x^3 - 8 f(x) x^2 + 5 f(x) x - 2 x^2 - f(x) + 5 x + 1)$$

Sequence: A027981
Score: 5.72435
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 8 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 10, a(2) = 40\}$$

Sequence: A027982
Score: 5.24157
Type of gen. func.: ogf

$$(564 f(x) + 113701) (4 f(x) x^4 - 12 f(x) x^3 + 13 f(x) x^2 + 2 x^3 - 6 f(x) x + 9 x^2 + f(x) - 4 x - 1)$$

Sequence: A027982
Score: 9.57854
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^4 + 21 x^3 - 15 x^2 - 7 x + 5)}{(x - 1) (-1 + 2 x) (2 x^3 + 9 x^2 - 4 x - 1)}$$

Sequence: A027982
Score: 9.68696
Type of gen. func.: ogf

$$-\frac{2 x^3 + 9 x^2 - 4 x - 1}{(-1 + 2 x)^2 (x - 1)^2}$$

Sequence: A027983
Score: 12.2621
Type of gen. func.: ogf

$$\frac{1 + 2 x}{(-1 + 2 x) (x^2 + x - 1)}$$

Sequence: A027983
Score: 13.5408
Type of gen. func.: lgdogf

$$-\frac{8 x^3 + 8 x^2 + 2 x - 5}{(1 + 2 x) (-1 + 2 x) (x^2 + x - 1)}$$

Sequence: A027983
Score: 5.75122
Type of gen. func.: ogf

$$-(3865 f(x) + 1196) (2 f(x) x^3 + f(x) x^2 - 3 f(x) x + f(x) - 2 x - 1)$$

Sequence: A027983
Score: 5.75123
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + a(n + 1) + 2 a(n), a(0) = 1, a(1) = 5, a(2) = 14\}$$

Sequence: A027984
Score: 4.88448
Type of gen. func.: ogf

$$(25 f(x) + 79)$$

$$(f(x) x^4 - 2 f(x) x^3 - 3 f(x) x^2 - 2 x^3 + 4 f(x) x - x^2 - f(x) + 2 x + 1)$$

Sequence: A027984
Score: 8.64623
Type of gen. func.: lgdogf

$$-\frac{2 (x^6 + x^5 - x^4 - 6 x^3 + 7 x^2 + 4 x - 3)}{(x - 1) (1 + 2 x) (x + 1) (x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A027984
Score: 8.81744
Type of gen. func.: ogf

$$\frac{(x - 1) (1 + 2 x) (x + 1)}{(x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A027989
Score: 13.3097
Type of gen. func.: lgdogf

$$-\frac{6 x^3 - 9 x^2 + 7 x - 3}{(x^2 - 3 x + 1) (3 x^2 - 3 x + 1)}$$

Sequence: A027989

Score: 4.91221
Type of gen. func.: ogf

$(4 f(x) + 1)$

$$(f(x) x^4 - 6 f(x) x^3 + 11 f(x) x^2 - 6 f(x) x - 3 x^2 + f(x) + 3 x - 1)$$

Sequence: A027989
Score: 9.12269
Type of gen. func.: ogf

$$\frac{3 x^2 - 3 x + 1}{(x^2 - 3 x + 1)^2}$$

Sequence: A027990
Score: 7.87125
Type of gen. func.: ogf

$$\frac{x^3 + 2 x^2 - 3 x + 1}{(x + 1) (x^2 - 3 x + 1)^2}$$

Sequence: A027990
Score: 9.93746
Type of gen. func.: lgdogf

$$- \frac{2 x^5 + 7 x^4 - 13 x^3 + 9 x^2 - 2}{(x + 1) (x^2 - 3 x + 1) (x^3 + 2 x^2 - 3 x + 1)}$$

Sequence: A027991
Score: 10.5888
Type of gen. func.: lgdogf

$$- \frac{6 x^4 - 10 x^3 + 9 x^2 - 3 x - 3}{(x + 1) (x^2 - 3 x + 1) (2 x^2 - 2 x + 1)}$$

Sequence: A027991
Score: 8.42029
Type of gen. func.: ogf

$$\frac{2 x^2 - 2 x + 1}{(x + 1) (x^2 - 3 x + 1)^2}$$

Sequence: A027992
Score: 12.6372
Type of gen. func.: ogf

$$- \frac{x + 1}{(x - 1) (-1 + 2 x)^2}$$

Sequence: A027992
Score: 17.7417
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^2 + 2 x - 3)}{(x - 1) (-1 + 2 x) (x + 1)}$$

Sequence: A027992
Score: 5.92719
Type of gen. func.: ogf

{a(n + 3) - 5 a(n + 2) + 8 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 6, a(2) = 22}

Sequence: A027992
Score: 6.25956
Type of gen. func.: ogf

$$(291 f(x) - 247) (4 f(x) x^3 - 8 f(x) x^2 + 5 f(x) x - f(x) + x + 1)$$

Sequence: A027993
Score: 15.7446
Type of gen. func.: lgdogf

$$-\frac{2\,(6x^3 - 7x + 3)}{(-1 + 2x)(x - 1)(3x^2 - 1)}$$

Sequence: A027993
Score: 4.98539
Type of gen. func.: ogf

$$(2 f(x) + 173)$$

$$(4 f(x) x^4 - 12 f(x) x^3 + 13 f(x) x^2 - 6 f(x) x + 3 x^2 + f(x) - 1)$$

Sequence: A027993
Score: 9.59873
Type of gen. func.: ogf

$$-\frac{3x^2 - 1}{(-1 + 2x)^2 (x - 1)^2}$$

Sequence: A027994
Score: 12.5115
Type of gen. func.: lgdogf

$$-\frac{2\,(x^4 - 3x^3 + 3x^2 + x - 1)}{(x - 1)(x^2 - 3x + 1)(x^2 + x - 1)}$$

Sequence: A027994
Score: 5.20337
Type of gen. func.: ogf

$$(29 f(x) - 1)$$

$$(f(x) x^4 - 2 f(x) x^3 - 3 f(x) x^2 + 4 f(x) x + x^2 - f(x) - 2x + 1)$$

Sequence: A027994

Score: 9.80343
Type of gen. func.: ogf

$$-\frac{(x-1)^2}{(x^2-3x+1)(x^2+x-1)}$$

Sequence: A027998
Score: 9.58126
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^4-3x^3-6x^2-3x-1}{-x^6+3x^4-3x^2+1}$$

Sequence: A027999
Score: 10.4248
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^4-2x^3-3x^2-x}{-x^6+3x^4-3x^2+1}$$

Sequence: A028000
Score: 3.48992
Type of gen. func.: ogf

$$(27445947700697\,f(x)+1858206677580)$$

$$(1188\,f(x)\,x^4-1032\,f(x)\,x^3+271\,f(x)\,x^2-28\,f(x)\,x+f(x)-1)$$

Sequence: A028000
Score: 7.81279
Type of gen. func.: lgdogf

$$-\frac{2\,(2376x^3-1548x^2+271x-14)}{(-1+9x)(6x-1)(-1+2x)(11x-1)}$$

Sequence: A028000
Score: 9.08581
Type of gen. func.: ogf

$$\frac{1}{(-1 + 9 x) (6 x - 1) (-1 + 2 x) (11 x - 1)}$$

Sequence: A028001
Score: 3.77097
Type of gen. func.: ogf

$$(1416048403 f(x) + 87718464)$$

$$(1296 f(x) x^4 - 1116 f(x) x^3 + 288 f(x) x^2 - 29 f(x) x + f(x) - 1)$$

Sequence: A028001
Score: 8.18975
Type of gen. func.: lgdogf

$$- \frac{5184 x^3 - 3348 x^2 + 576 x - 29}{(12 x - 1) (6 x - 1) (-1 + 9 x) (-1 + 2 x)}$$

Sequence: A028001
Score: 9.23236
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (6 x - 1) (-1 + 9 x) (-1 + 2 x)}$$

Sequence: A028002
Score: 4.95373
Type of gen. func.: ogf

$$(953273234308244 f(x) + 57965424177375)$$

$$(1320 f(x) x^4 - 1132 f(x) x^3 + 290 f(x) x^2 - 29 f(x) x + f(x) - 1)$$

Sequence: A028002
Score: 8.10121

Type of gen. func.: lgdogf

$$-\frac{5280 x^3 - 3396 x^2 + 580 x - 29}{(6 x - 1) (-1 + 2 x) (10 x - 1) (11 x - 1)}$$

Sequence: A028002
Score: 9.13466
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (-1 + 2 x) (10 x - 1) (11 x - 1)}$$

Sequence: A028003
Score: 3.29245
Type of gen. func.: ogf

(16394350577 f(x) + 911952000)

$$(1440 f(x) x^4 - 1224 f(x) x^3 + 308 f(x) x^2 - 30 f(x) x + f(x) - 1)$$

Sequence: A028003
Score: 7.01549
Type of gen. func.: lgdogf

$$-\frac{2 (2880 x^3 - 1836 x^2 + 308 x - 15)}{(12 x - 1) (6 x - 1) (-1 + 2 x) (10 x - 1)}$$

Sequence: A028003
Score: 8.17436
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (6 x - 1) (-1 + 2 x) (10 x - 1)}$$

Sequence: A028004
Score: 3.23779
Type of gen. func.: ogf

$(3998645914993 f(x) + 201734026560)$

$$(1584 f(x) x^4 - 1332 f(x) x^3 + 328 f(x) x^2 - 31 f(x) x + f(x) - 1)$$

Sequence: A028004
Score: 7.36469
Type of gen. func.: lgdogf

$$- \frac{6336 x^3 - 3996 x^2 + 656 x - 31}{(6 x - 1) (-1 + 2 x) (12 x - 1) (11 x - 1)}$$

Sequence: A028004
Score: 8.31778
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (-1 + 2 x) (12 x - 1) (11 x - 1)}$$

Sequence: A028005
Score: 3.54894
Type of gen. func.: ogf

$(154811482108433579 f(x) + 12435721156131840)$

$$(1008 f(x) x^4 - 886 f(x) x^3 + 239 f(x) x^2 - 26 f(x) x + f(x) - 1)$$

Sequence: A028005
Score: 9.00279
Type of gen. func.: lgdogf

$$- \frac{2 (96 x - 13) (21 x^2 - 11 x + 1)}{(-1 + 9 x) (-1 + 2 x) (8 x - 1) (7 x - 1)}$$

Sequence: A028005
Score: 9.83740
Type of gen. func.: ogf

$$\frac{1}{}$$

$$(-1 + 9 x) (-1 + 2 x) (8 x - 1) (7 x - 1)$$

Sequence: A028006
Score: 4.49624
Type of gen. func.: ogf

$$(8278181621651 f(x) + 597335872000)$$

$$(1120 f(x) x^4 - 972 f(x) x^3 + 256 f(x) x^2 - 27 f(x) x + f(x) - 1)$$

Sequence: A028006
Score: 8.13986
Type of gen. func.: lgdogf

$$- \frac{4480 x^3 - 2916 x^2 + 512 x - 27}{(-1 + 2 x) (8 x - 1) (7 x - 1) (10 x - 1)}$$

Sequence: A028006
Score: 9.19551
Type of gen. func.: ogf

$$\frac{1}{(-1 + 2 x) (8 x - 1) (7 x - 1) (10 x - 1)}$$

Sequence: A028007
Score: 3.31432
Type of gen. func.: ogf

$$(599666349578624857 f(x) + 39255784942173184)$$

$$(1232 f(x) x^4 - 1058 f(x) x^3 + 273 f(x) x^2 - 28 f(x) x + f(x) - 1)$$

Sequence: A028007
Score: 7.93299
Type of gen. func.: lgdogf

$$- \frac{2 (2464 x^3 - 1587 x^2 + 273 x - 14)}{(7 x - 1) (-1 + 2 x) (11 x - 1) (8 x - 1)}$$

Sequence: A028007
Score: 9.08581
Type of gen. func.: ogf

$$\frac{1}{(7 x - 1) (-1 + 2 x) (11 x - 1) (8 x - 1)}$$

Sequence: A028008
Score: 3.54621
Type of gen. func.: ogf

$$(66077562116555 f(x) + 3957029411328)$$

$$(1344 f(x) x^4 - 1144 f(x) x^3 + 290 f(x) x^2 - 29 f(x) x + f(x) - 1)$$

Sequence: A028008
Score: 8.31974
Type of gen. func.: lgdogf

$$- \frac{5376 x^3 - 3432 x^2 + 580 x - 29}{(12 x - 1) (-1 + 2 x) (8 x - 1) (7 x - 1)}$$

Sequence: A028008
Score: 9.23236
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (-1 + 2 x) (8 x - 1) (7 x - 1)}$$

Sequence: A028009
Score: 11.5239
Type of gen. func.: ogf

$$\frac{1}{(-1 + 9 x) (-1 + 2 x) (7 x - 1) (10 x - 1)}$$

Sequence: A028009
Score: 4.25725
Type of gen. func.: ogf

$$(43260852311888662 f(x) + 2769045388932375)$$

$$(1260 f(x) x^4 - 1076 f(x) x^3 + 275 f(x) x^2 - 28 f(x) x + f(x) - 1)$$

Sequence: A028009
Score: 9.94864
Type of gen. func.: lgdogf

$$- \frac{2 (2520 x^3 - 1614 x^2 + 275 x - 14)}{(-1 + 9 x) (-1 + 2 x) (7 x - 1) (10 x - 1)}$$

Sequence: A028010
Score: 3.21328
Type of gen. func.: ogf

$$(168822456586773882643 f(x) + 9800840073966125184)$$

$$(1386 f(x) x^4 - 1171 f(x) x^3 + 293 f(x) x^2 - 29 f(x) x + f(x) - 1)$$

Sequence: A028010
Score: 8.05694
Type of gen. func.: lgdogf

$$- \frac{5544 x^3 - 3513 x^2 + 586 x - 29}{(-1 + 9 x) (7 x - 1) (-1 + 2 x) (11 x - 1)}$$

Sequence: A028010
Score: 9.08581
Type of gen. func.: ogf

$$\frac{1}{(-1 + 9 x) (7 x - 1) (-1 + 2 x) (11 x - 1)}$$

Sequence: A028011
Score: 10.2163

Type of gen. func.: lgdogf

$$-\frac{2\,(3024\,x^3 - 1899\,x^2 + 311\,x - 15)}{(12\,x - 1)\,(-1 + 9\,x)\,(-1 + 2\,x)\,(7\,x - 1)}$$

Sequence: A028011
Score: 11.8285
Type of gen. func.: ogf

$$\frac{1}{(12\,x - 1)\,(-1 + 9\,x)\,(-1 + 2\,x)\,(7\,x - 1)}$$

Sequence: A028011
Score: 4.4549
Type of gen. func.: ogf

$$(1088763292727671\,f(x) + 57808924701696)$$
$$(1512\,f(x)\,x^4 - 1266\,f(x)\,x^3 + 311\,f(x)\,x^2 - 30\,f(x)\,x + f(x) - 1)$$

Sequence: A028012
Score: 3.34996
Type of gen. func.: ogf

$$(223422983703975049\,f(x) + 11642331311726500)$$
$$(1540\,f(x)\,x^4 - 1284\,f(x)\,x^3 + 313\,f(x)\,x^2 - 30\,f(x)\,x + f(x) - 1)$$

Sequence: A028012
Score: 7.89865
Type of gen. func.: lgdogf

$$-\frac{2\,(3080\,x^3 - 1926\,x^2 + 313\,x - 15)}{(7\,x - 1)\,(-1 + 2\,x)\,(10\,x - 1)\,(11\,x - 1)}$$

Sequence: A028012
Score: 9.18350
Type of gen. func.: ogf

$$\frac{1}{(7 x - 1) (-1 + 2 x) (10 x - 1) (11 x - 1)}$$

Sequence: A028013
Score: 3.13502
Type of gen. func.: ogf

$$(879409726084901 f(x) + 41904246888000)$$

$$(1680 f(x) x^4 - 1388 f(x) x^3 + 332 f(x) x^2 - 31 f(x) x + f(x) - 1)$$

Sequence: A028013
Score: 7.32137
Type of gen. func.: lgdogf

$$- \frac{6720 x^3 - 4164 x^2 + 664 x - 31}{(12 x - 1) (-1 + 2 x) (7 x - 1) (10 x - 1)}$$

Sequence: A028013
Score: 8.26997
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (-1 + 2 x) (7 x - 1) (10 x - 1)}$$

Sequence: A028014
Score: 2.99646
Type of gen. func.: ogf

$$(9222966858424407479 f(x) + 398395564854465024)$$

$$(1848 f(x) x^4 - 1510 f(x) x^3 + 353 f(x) x^2 - 32 f(x) x + f(x) - 1)$$

Sequence: A028014
Score: 7.14152
Type of gen. func.: lgdogf

$$2 (3696 x^3 - 2265 x^2 + 353 x - 16)$$

$$- \frac{}{(7 x - 1) (-1 + 2 x) (12 x - 1) (11 x - 1)}$$

Sequence: A028014
Score: 8.31778
Type of gen. func.: ogf

$$\frac{1}{(7 x - 1) (-1 + 2 x) (12 x - 1) (11 x - 1)}$$

Sequence: A028015
Score: 3.42193
Type of gen. func.: ogf

$$(1192403207338751 f(x) + 66644876736000)$$

$$(1440 f(x) x^4 - 1204 f(x) x^3 + 296 f(x) x^2 - 29 f(x) x + f(x) - 1)$$

Sequence: A028015
Score: 8.05694
Type of gen. func.: lgdogf

$$- \frac{5760 x^3 - 3612 x^2 + 592 x - 29}{(-1 + 9 x) (-1 + 2 x) (8 x - 1) (10 x - 1)}$$

Sequence: A028015
Score: 9.08581
Type of gen. func.: ogf

$$\frac{1}{(-1 + 9 x) (-1 + 2 x) (8 x - 1) (10 x - 1)}$$

Sequence: A028016
Score: 3.33214
Type of gen. func.: ogf

$$(639818235393857339 f(x) + 32422466628135936)$$

$$(1584 f(x) x^4 - 1310 f(x) x^3 + 315 f(x) x^2 - 30 f(x) x + f(x) - 1)$$

Sequence: A028016
Score: 8.10121
Type of gen. func.: lgdogf

$$-\frac{6\,(1056\,x^3 - 655\,x^2 + 105\,x - 5)}{(11\,x - 1)\,(8\,x - 1)\,(-1 + 2\,x)\,(-1 + 9\,x)}$$

Sequence: A028016
Score: 9.13466
Type of gen. func.: ogf

$$\frac{1}{(11\,x - 1)\,(8\,x - 1)\,(-1 + 2\,x)\,(-1 + 9\,x)}$$

Sequence: A028017
Score: 3.28886
Type of gen. func.: ogf

$$(23026010249\,f(x) + 1066867200)$$

$$(1728\,f(x)\,x^4 - 1416\,f(x)\,x^3 + 334\,f(x)\,x^2 - 31\,f(x)\,x + f(x) - 1)$$

Sequence: A028017
Score: 7.27805
Type of gen. func.: lgdogf

$$-\frac{6912\,x^3 - 4248\,x^2 + 668\,x - 31}{(12\,x - 1)\,(-1 + 9\,x)\,(-1 + 2\,x)\,(8\,x - 1)}$$

Sequence: A028017
Score: 8.22216
Type of gen. func.: ogf

$$\frac{1}{(12\,x - 1)\,(-1 + 9\,x)\,(-1 + 2\,x)\,(8\,x - 1)}$$

Sequence: A028018
Score: 3.01983
Type of gen. func.: ogf

$(50804231396140679 f(x) + 2309808370496000)$

$$(1760 f(x) x^4 - 1436 f(x) x^3 + 336 f(x) x^2 - 31 f(x) x + f(x) - 1)$$

Sequence: A028018
Score: 7.23473
Type of gen. func.: lgdogf

$$-\frac{7040 x^3 - 4308 x^2 + 672 x - 31}{(-1 + 2 x) (10 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A028018
Score: 8.17436
Type of gen. func.: ogf

$$\frac{1}{(-1 + 2 x) (10 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A028019
Score: 3.23779
Type of gen. func.: ogf

$(5598060693973 f(x) + 232670016000)$

$$(1920 f(x) x^4 - 1552 f(x) x^3 + 356 f(x) x^2 - 32 f(x) x + f(x) - 1)$$

Sequence: A028019
Score: 7.60226
Type of gen. func.: lgdogf

$$-\frac{8 (960 x^3 - 582 x^2 + 89 x - 4)}{(12 x - 1) (-1 + 2 x) (8 x - 1) (10 x - 1)}$$

Sequence: A028019

Score: 8.31778
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (-1 + 2 x) (8 x - 1) (10 x - 1)}$$

Sequence: A028020
Score: 3.15067
Type of gen. func.: ogf

$$(1365352708479943 f(x) + 51424138123776)$$

$$(2112 f(x) x^4 - 1688 f(x) x^3 + 378 f(x) x^2 - 33 f(x) x + f(x) - 1)$$

Sequence: A028020
Score: 7.18353
Type of gen. func.: lgdogf

$$- \frac{3 (2816 x^3 - 1688 x^2 + 252 x - 11)}{(-1 + 2 x) (12 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A028020
Score: 8.36557
Type of gen. func.: ogf

$$\frac{1}{(-1 + 2 x) (12 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A028021
Score: 3.05515
Type of gen. func.: ogf

$$(41576233953674701 f(x) + 1674106107374250)$$

$$(1980 f(x) x^4 - 1588 f(x) x^3 + 359 f(x) x^2 - 32 f(x) x + f(x) - 1)$$

Sequence: A028021
Score: 6.99355
Type of gen. func.: lgdogf

$$-\frac{2\,(3960\,x^{3}-2382\,x^{2}+359\,x-16)}{(-1+9\,x)\,(-1+2\,x)\,(10\,x-1)\,(11\,x-1)}$$

Sequence: A028021
Score: 8.26997
Type of gen. func.: ogf

$$\frac{1}{(-1+9\,x)\,(-1+2\,x)\,(10\,x-1)\,(11\,x-1)}$$

Sequence: A028022
Score: 3.23779
Type of gen. func.: ogf

$(8385099762937\,f(x)+308584728000)$

$$(2160\,f(x)\,x^{4}-1716\,f(x)\,x^{3}+380\,f(x)\,x^{2}-33\,f(x)\,x+f(x)-1)$$

Sequence: A028022
Score: 7.25139
Type of gen. func.: lgdogf

$$-\frac{8640\,x^{3}-5148\,x^{2}+760\,x-33}{(12\,x-1)\,(-1+9\,x)\,(-1+2\,x)\,(10\,x-1)}$$

Sequence: A028022
Score: 8.31778
Type of gen. func.: ogf

$$\frac{1}{(12\,x-1)\,(-1+9\,x)\,(-1+2\,x)\,(10\,x-1)}$$

Sequence: A028023
Score: 3.11028
Type of gen. func.: ogf

$(22496046653779763\,f(x)+750015811252224)$

$$(2376 f(x) x^4 - 1866 f(x) x^3 + 403 f(x) x^2 - 34 f(x) x + f(x) - 1)$$

Sequence: A028023
Score: 7.07631
Type of gen. func.: lgdogf

$$- \frac{2 (4752 x^3 - 2799 x^2 + 403 x - 17)}{(-1 + 9 x) (-1 + 2 x) (12 x - 1) (11 x - 1)}$$

Sequence: A028023
Score: 8.36557
Type of gen. func.: ogf

$$\frac{1}{(-1 + 9 x) (-1 + 2 x) (12 x - 1) (11 x - 1)}$$

Sequence: A028024
Score: 3.08845
Type of gen. func.: ogf

$$(111615144843693493 f(x) + 3335296582728000)$$

$$(2640 f(x) x^4 - 2044 f(x) x^3 + 428 f(x) x^2 - 35 f(x) x + f(x) - 1)$$

Sequence: A028024
Score: 7.22554
Type of gen. func.: lgdogf

$$- \frac{10560 x^3 - 6132 x^2 + 856 x - 35}{(-1 + 2 x) (12 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A028024
Score: 8.41338
Type of gen. func.: ogf

$$\frac{1}{(-1 + 2 x) (12 x - 1) (10 x - 1) (11 x - 1)}$$

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-------------------------------------------------------------------------------

Sequence:  A028025
Score: 3.91901
Type of gen. func.: ogf


(6367091071 f(x) + 4264704000)

               4             3             2
    (360 f(x) x  - 342 f(x) x  + 119 f(x) x  - 18 f(x) x + f(x) - 1)



-------------------------------------------------------------------------------

Sequence:  A028025
Score: 8.78583
Type of gen. func.: lgdogf


                                 3        2
                         2 (720 x  - 513 x  + 119 x - 9)
                   - ----------------------------------------
                     (6 x - 1) (4 x - 1) (-1 + 3 x) (5 x - 1)



-------------------------------------------------------------------------------

Sequence:  A028025
Score: 9.93748
Type of gen. func.: ogf


                                       1
                    ----------------------------------------
                    (6 x - 1) (4 x - 1) (-1 + 3 x) (5 x - 1)



-------------------------------------------------------------------------------

Sequence:  A028026
Score: 10.2530
Type of gen. func.: ogf


                                       1
                    ----------------------------------------
                    (4 x - 1) (-1 + 3 x) (7 x - 1) (5 x - 1)



-------------------------------------------------------------------------------

Sequence:  A028026
Score: 4.59625
Type of gen. func.: ogf


(14135203048473749 f(x) + 8426916999648000)

               4             3             2
    (420 f(x) x  - 389 f(x) x  + 131 f(x) x  - 19 f(x) x + f(x) - 1)



-------------------------------------------------------------------------------
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Sequence: A028026
Score: 8.92679
Type of gen. func.: lgdogf

$$-\frac{1680 x^3 - 1167 x^2 + 262 x - 19}{(4 x - 1) (-1 + 3 x) (7 x - 1) (5 x - 1)}$$

Sequence: A028027
Score: 3.59344
Type of gen. func.: ogf

$$(2038552683409 f(x) + 1087972992000)$$

$$(480 f(x) x^4 - 436 f(x) x^3 + 143 f(x) x^2 - 20 f(x) x + f(x) - 1)$$

Sequence: A028027
Score: 8.25820
Type of gen. func.: lgdogf

$$-\frac{2 (960 x^3 - 654 x^2 + 143 x - 10)}{(4 x - 1) (-1 + 3 x) (8 x - 1) (5 x - 1)}$$

Sequence: A028027
Score: 9.49693
Type of gen. func.: ogf

$$\frac{1}{(4 x - 1) (-1 + 3 x) (8 x - 1) (5 x - 1)}$$

Sequence: A028028
Score: 3.80104
Type of gen. func.: ogf

$$(428033778973 f(x) + 206087328000)$$

$$(540 f(x) x^4 - 483 f(x) x^3 + 155 f(x) x^2 - 21 f(x) x + f(x) - 1)$$

Sequence: A028028

Score: 8.49046
Type of gen. func.: lgdogf

$$-\frac{2160 x^3 - 1449 x^2 + 310 x - 21}{(4 x - 1) (-1 + 3 x) (-1 + 9 x) (5 x - 1)}$$

Sequence: A028028
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(4 x - 1) (-1 + 3 x) (-1 + 9 x) (5 x - 1)}$$

Sequence: A028029
Score: 4.02139
Type of gen. func.: ogf

$$(82537895 f(x) + 36129024)$$

$$(600 f(x) x^4 - 530 f(x) x^3 + 167 f(x) x^2 - 22 f(x) x + f(x) - 1)$$

Sequence: A028029
Score: 8.35984
Type of gen. func.: lgdogf

$$-\frac{2 (1200 x^3 - 795 x^2 + 167 x - 11)}{(4 x - 1) (-1 + 3 x) (5 x - 1) (10 x - 1)}$$

Sequence: A028029
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(4 x - 1) (-1 + 3 x) (5 x - 1) (10 x - 1)}$$

Sequence: A028030
Score: 3.22771
Type of gen. func.: ogf

$(272171952195602473 f(x) + 109086634701792000)$

$$(660 f(x) x^4 - 577 f(x) x^3 + 179 f(x) x^2 - 23 f(x) x + f(x) - 1)$$

Sequence: A028030
Score: 7.79133
Type of gen. func.: lgdogf

$$- \frac{2640 x^3 - 1731 x^2 + 358 x - 23}{(-1 + 3 x) (5 x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A028030
Score: 9.10675
Type of gen. func.: ogf

$$\frac{1}{(-1 + 3 x) (5 x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A028031
Score: 3.77762
Type of gen. func.: ogf

$(77220893 f(x) + 28521000)$

$$(720 f(x) x^4 - 624 f(x) x^3 + 191 f(x) x^2 - 24 f(x) x + f(x) - 1)$$

Sequence: A028031
Score: 7.84581
Type of gen. func.: lgdogf

$$- \frac{2 (1440 x^3 - 936 x^2 + 191 x - 12)}{(12 x - 1) (4 x - 1) (-1 + 3 x) (5 x - 1)}$$

Sequence: A028031
Score: 9.30912
Type of gen. func.: ogf

$$1$$

$$\overline{(12 x - 1) (4 x - 1) (-1 + 3 x) (5 x - 1)}$$

Sequence: A028032
Score: 5.17569
Type of gen. func.: ogf

$$(923266291 f(x) + 491549184)$$

$$(504 f(x) x^4 - 450 f(x) x^3 + 145 f(x) x^2 - 20 f(x) x + f(x) - 1)$$

Sequence: A028032
Score: 7.99368
Type of gen. func.: lgdogf

$$- \frac{2 (1008 x^3 - 675 x^2 + 145 x - 10)}{(6 x - 1) (-1 + 3 x) (7 x - 1) (4 x - 1)}$$

Sequence: A028032
Score: 9.34209
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (-1 + 3 x) (7 x - 1) (4 x - 1)}$$

Sequence: A028033
Score: 3.98229
Type of gen. func.: ogf

$$(1044373 f(x) + 497664)$$

$$(576 f(x) x^4 - 504 f(x) x^3 + 158 f(x) x^2 - 21 f(x) x + f(x) - 1)$$

Sequence: A028033
Score: 8.34996
Type of gen. func.: lgdogf

$$- \frac{2304 x^3 - 1512 x^2 + 316 x - 21}{(6 x - 1) (4 x - 1) (-1 + 3 x) (8 x - 1)}$$

Sequence: A028033
Score: 9.60016
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (4 x - 1) (-1 + 3 x) (8 x - 1)}$$

Sequence: A028034
Score: 3.96394
Type of gen. func.: ogf

$$(354164107 f(x) + 152202240)$$

$$(648 f(x) x^{4} - 558 f(x) x^{3} + 171 f(x) x^{2} - 22 f(x) x + f(x) - 1)$$

Sequence: A028034
Score: 8.35984
Type of gen. func.: lgdogf

$$- \frac{2 (1296 x^{3} - 837 x^{2} + 171 x - 11)}{(6 x - 1) (4 x - 1) (-1 + 3 x) (-1 + 9 x)}$$

Sequence: A028034
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (4 x - 1) (-1 + 3 x) (-1 + 9 x)}$$

Sequence: A028035
Score: 3.90811
Type of gen. func.: ogf

$$(4038520277 f(x) + 1577304000)$$

$$(720 f(x) x^{4} - 612 f(x) x^{3} + 184 f(x) x^{2} - 23 f(x) x + f(x) - 1)$$

Sequence: A028035
Score: 8.49046
Type of gen. func.: lgdogf

$$- \frac{2880 x^3 - 1836 x^2 + 368 x - 23}{(6 x - 1) (4 x - 1) (-1 + 3 x) (10 x - 1)}$$

Sequence: A028035
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (4 x - 1) (-1 + 3 x) (10 x - 1)}$$

Sequence: A028036
Score: 3.53181
Type of gen. func.: ogf

$$(973425105481 f(x) + 347994358272)$$

$$(792 f(x) x^4 - 666 f(x) x^3 + 197 f(x) x^2 - 24 f(x) x + f(x) - 1)$$

Sequence: A028036
Score: 7.75864
Type of gen. func.: lgdogf

$$- \frac{2 (1584 x^3 - 999 x^2 + 197 x - 12)}{(6 x - 1) (-1 + 3 x) (4 x - 1) (11 x - 1)}$$

Sequence: A028036
Score: 9.20793
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (-1 + 3 x) (4 x - 1) (11 x - 1)}$$

Sequence: A028037

Score: 4.07274
Type of gen. func.: ogf

$$(583 f(x) + 192)$$

$$(864 f(x) x^4 - 720 f(x) x^3 + 210 f(x) x^2 - 25 f(x) x + f(x) - 1)$$

Sequence: A028037
Score: 8.49963
Type of gen. func.: lgdogf

$$- \frac{(24 x - 5) (144 x^2 - 60 x + 5)}{(6 x - 1) (-1 + 3 x) (12 x - 1) (4 x - 1)}$$

Sequence: A028037
Score: 9.30912
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (-1 + 3 x) (12 x - 1) (4 x - 1)}$$

Sequence: A028038
Score: 3.69653
Type of gen. func.: ogf

$$(1467730804441 f(x) + 622130568192)$$

$$(672 f(x) x^4 - 572 f(x) x^3 + 173 f(x) x^2 - 22 f(x) x + f(x) - 1)$$

Sequence: A028038
Score: 8.30981
Type of gen. func.: lgdogf

$$- \frac{2 (1344 x^3 - 858 x^2 + 173 x - 11)}{(4 x - 1) (-1 + 3 x) (8 x - 1) (7 x - 1)}$$

Sequence: A028038
Score: 9.70339
Type of gen. func.: ogf

$$\frac{1}{(4 x - 1) (-1 + 3 x) (8 x - 1) (7 x - 1)}$$

Sequence: A028039
Score: 3.67517
Type of gen. func.: ogf

$$(260547456470323 f(x) + 99555374225664)$$

$$(756 f(x) x^4 - 633 f(x) x^3 + 187 f(x) x^2 - 23 f(x) x + f(x) - 1)$$

Sequence: A028039
Score: 8.49046
Type of gen. func.: lgdogf

$$- \frac{3024 x^3 - 1899 x^2 + 374 x - 23}{(4 x - 1) (-1 + 3 x) (-1 + 9 x) (7 x - 1)}$$

Sequence: A028039
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(4 x - 1) (-1 + 3 x) (-1 + 9 x) (7 x - 1)}$$

Sequence: A028040
Score: 3.60358
Type of gen. func.: ogf

$$(8908910747345543 f(x) + 3092435787168000)$$

$$(840 f(x) x^4 - 694 f(x) x^3 + 201 f(x) x^2 - 24 f(x) x + f(x) - 1)$$

Sequence: A028040
Score: 8.90803
Type of gen. func.: lgdogf

$$-\frac{6 (5 x - 1) (112 x - 47 x + 4)}{(4 x - 1) (-1 + 3 x) (7 x - 1) (10 x - 1)}$$

Sequence: A028040
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(4 x - 1) (-1 + 3 x) (7 x - 1) (10 x - 1)}$$

Sequence: A028041
Score: 3.34502
Type of gen. func.: ogf

$$(17172942012301951 f(x) + 5454280889697024)$$

$$(924 f(x) x^4 - 755 f(x) x^3 + 215 f(x) x^2 - 25 f(x) x + f(x) - 1)$$

Sequence: A028041
Score: 7.92413
Type of gen. func.: lgdogf

$$-\frac{3696 x^3 - 2265 x^2 + 430 x - 25}{(11 x - 1) (-1 + 3 x) (7 x - 1) (4 x - 1)}$$

Sequence: A028041
Score: 9.25852
Type of gen. func.: ogf

$$\frac{1}{(11 x - 1) (-1 + 3 x) (7 x - 1) (4 x - 1)}$$

Sequence: A028042
Score: 3.63989
Type of gen. func.: ogf

$$(13388546743 f(x) + 3916044720)$$

$$(1008 f(x) x^4 - 816 f(x) x^3 + 229 f(x) x^2 - 26 f(x) x + f(x) - 1)$$

Sequence: A028042
Score: 7.76986
Type of gen. func.: lgdogf

$$-\frac{2\,(2016\,x^{3} - 1224\,x^{2} + 229\,x - 13)}{(12\,x - 1)\,(4\,x - 1)\,(-1 + 3\,x)\,(7\,x - 1)}$$

Sequence: A028042
Score: 9.19551
Type of gen. func.: ogf

$$\frac{1}{(12\,x - 1)\,(4\,x - 1)\,(-1 + 3\,x)\,(7\,x - 1)}$$

Sequence: A028043
Score: 4.84726
Type of gen. func.: ogf

$$(37437266471\,f(x) + 12786232320)$$

$$(864\,f(x)\,x^{4} - 708\,f(x)\,x^{3} + 203\,f(x)\,x^{2} - 24\,f(x)\,x + f(x) - 1)$$

Sequence: A028043
Score: 8.23318
Type of gen. func.: lgdogf

$$-\frac{2\,(1728\,x^{3} - 1062\,x^{2} + 203\,x - 12)}{(4\,x - 1)\,(-1 + 3\,x)\,(-1 + 9\,x)\,(8\,x - 1)}$$

Sequence: A028043
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(4\,x - 1)\,(-1 + 3\,x)\,(-1 + 9\,x)\,(8\,x - 1)}$$

Sequence: A028044
Score: 3.48851
Type of gen. func.: ogf

$$(1279737341773 f(x) + 396911232000)$$

$$(960 f(x) x^4 - 776 f(x) x^3 + 218 f(x) x^2 - 25 f(x) x + f(x) - 1)$$

Sequence: A028044
Score: 7.83560
Type of gen. func.: lgdogf

$$- \frac{3840 x^3 - 2328 x^2 + 436 x - 25}{(4 x - 1) (-1 + 3 x) (8 x - 1) (10 x - 1)}$$

Sequence: A028044
Score: 9.15734
Type of gen. func.: ogf

$$\frac{1}{(4 x - 1) (-1 + 3 x) (8 x - 1) (10 x - 1)}$$

Sequence: A028045
Score: 11.6228
Type of gen. func.: ogf

$$\frac{1}{(-1 + 3 x) (4 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A028045
Score: 4.35854
Type of gen. func.: ogf

$$(308291292215023 f(x) + 87459613553664)$$

$$(1056 f(x) x^4 - 844 f(x) x^3 + 233 f(x) x^2 - 26 f(x) x + f(x) - 1)$$

Sequence: A028045

Score: 9.85941
Type of gen. func.: lgdogf

$$-\frac{2\,(2112\,x^{3} - 1266\,x^{2} + 233\,x - 13)}{(-1 + 3\,x)\,(4\,x - 1)\,(11\,x - 1)\,(8\,x - 1)}$$

Sequence: A028046
Score: 10.3515
Type of gen. func.: lgdogf

$$-\frac{4608\,x^{3} - 2736\,x^{2} + 496\,x - 27}{(12\,x - 1)\,(4\,x - 1)\,(-1 + 3\,x)\,(8\,x - 1)}$$

Sequence: A028046
Score: 11.8294
Type of gen. func.: ogf

$$\frac{1}{(12\,x - 1)\,(4\,x - 1)\,(-1 + 3\,x)\,(8\,x - 1)}$$

Sequence: A028046
Score: 4.95792
Type of gen. func.: ogf

$$(1398197\,f(x) + 365184)$$

$$(1152\,f(x)\,x^{4} - 912\,f(x)\,x^{3} + 248\,f(x)\,x^{2} - 27\,f(x)\,x + f(x) - 1)$$

Sequence: A028047
Score: 3.52237
Type of gen. func.: ogf

$$(1587310379039\,f(x) + 443286432000)$$

$$(1080\,f(x)\,x^{4} - 858\,f(x)\,x^{3} + 235\,f(x)\,x^{2} - 26\,f(x)\,x + f(x) - 1)$$

Sequence: A028047
Score: 7.61161
Type of gen. func.: lgdogf

$$-\frac{2\,(2160\,x^{3} - 1287\,x^{2} + 235\,x - 13)}{(4\,x - 1)\,(-1 + 3\,x)\,(-1 + 9\,x)\,(10\,x - 1)}$$

Sequence: A028047
Score: 9.14581
Type of gen. func.: ogf

$$\frac{1}{(4\,x - 1)\,(-1 + 3\,x)\,(-1 + 9\,x)\,(10\,x - 1)}$$

Sequence: A028048
Score: 3.42578
Type of gen. func.: ogf

$$(710050360322441\,f(x) + 181327407148800)$$

$$(1188\,f(x)\,x^{4} - 933\,f(x)\,x^{3} + 251\,f(x)\,x^{2} - 27\,f(x)\,x + f(x) - 1)$$

Sequence: A028048
Score: 7.88940
Type of gen. func.: lgdogf

$$-\frac{4752\,x^{3} - 2799\,x^{2} + 502\,x - 27}{(-1 + 9\,x)\,(-1 + 3\,x)\,(4\,x - 1)\,(11\,x - 1)}$$

Sequence: A028048
Score: 9.19551
Type of gen. func.: ogf

$$\frac{1}{(-1 + 9\,x)\,(-1 + 3\,x)\,(4\,x - 1)\,(11\,x - 1)}$$

Sequence: A028049
Score: 4.02615
Type of gen. func.: ogf

$$(25156\,f(x) + 5913)$$

$$(1296 f(x) x^4 - 1008 f(x) x^3 + 267 f(x) x^2 - 28 f(x) x + f(x) - 1)$$

Sequence: A028049
Score: 7.82304
Type of gen. func.: lgdogf

$$- \frac{2 (2592 x^3 - 1512 x^2 + 267 x - 14)}{(12 x - 1) (4 x - 1) (-1 + 3 x) (-1 + 9 x)}$$

Sequence: A028049
Score: 9.23236
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (4 x - 1) (-1 + 3 x) (-1 + 9 x)}$$

Sequence: A028050
Score: 3.35655
Type of gen. func.: ogf

$$(24262219170788293 f(x) + 5621764633056000)$$

$$(1320 f(x) x^4 - 1022 f(x) x^3 + 269 f(x) x^2 - 28 f(x) x + f(x) - 1)$$

Sequence: A028050
Score: 7.69618
Type of gen. func.: lgdogf

$$- \frac{2 (2640 x^3 - 1533 x^2 + 269 x - 14)}{(-1 + 3 x) (10 x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A028050
Score: 9.08581
Type of gen. func.: ogf

$$\frac{1}{(-1 + 3 x) (10 x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A028051
Score: 3.3193
Type of gen. func.: ogf

$$(605096459 f(x) + 129024000)$$

$$(1440 f(x) x^4 - 1104 f(x) x^3 + 286 f(x) x^2 - 29 f(x) x + f(x) - 1)$$

Sequence: A028051
Score: 7.08077
Type of gen. func.: lgdogf

$$- \frac{5760 x^3 - 3312 x^2 + 572 x - 29}{(12 x - 1) (4 x - 1) (-1 + 3 x) (10 x - 1)}$$

Sequence: A028051
Score: 8.12655
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (4 x - 1) (-1 + 3 x) (10 x - 1)}$$

Sequence: A028052
Score: 3.28886
Type of gen. func.: ogf

$$(51001343533 f(x) + 9938353392)$$

$$(1584 f(x) x^4 - 1200 f(x) x^3 + 305 f(x) x^2 - 30 f(x) x + f(x) - 1)$$

Sequence: A028052
Score: 6.95217
Type of gen. func.: lgdogf

$$- \frac{2 (3168 x^3 - 1800 x^2 + 305 x - 15)}{(11 x - 1) (-1 + 3 x) (12 x - 1) (4 x - 1)}$$

Sequence: A028052
Score: 8.22216
Type of gen. func.: ogf

$$\frac{1}{(11 x - 1) (-1 + 3 x) (12 x - 1) (4 x - 1)}$$

Sequence: A028053
Score: 4.87124
Type of gen. func.: ogf

$$(22267953797771 f(x) + 11143650168000)$$

$$(630 f(x) x^4 - 531 f(x) x^3 + 161 f(x) x^2 - 21 f(x) x + f(x) - 1)$$

Sequence: A028053
Score: 8.21232
Type of gen. func.: lgdogf

$$- \frac{2520 x^3 - 1593 x^2 + 322 x - 21}{(6 x - 1) (-1 + 3 x) (7 x - 1) (5 x - 1)}$$

Sequence: A028053
Score: 9.44532
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (-1 + 3 x) (7 x - 1) (5 x - 1)}$$

Sequence: A028054
Score: 3.77972
Type of gen. func.: ogf

$$(12381132401 f(x) + 5549952000)$$

$$(720 f(x) x^4 - 594 f(x) x^3 + 175 f(x) x^2 - 22 f(x) x + f(x) - 1)$$

Sequence: A028054
Score: 8.26465
Type of gen. func.: lgdogf

$$-\frac{2\,(1440\,x^{3}-891\,x^{2}+175\,x-11)}{(6\,x-1)\,(-1+3\,x)\,(8\,x-1)\,(5\,x-1)}$$

Sequence: A028054
Score: 9.65177
Type of gen. func.: ogf

$$\frac{1}{(6\,x-1)\,(-1+3\,x)\,(8\,x-1)\,(5\,x-1)}$$

Sequence: A028055
Score: 3.88078
Type of gen. func.: ogf

$$(14016175907\,f(x)+5667408000)$$

$$(810\,f(x)\,x^{4}-657\,f(x)\,x^{3}+189\,f(x)\,x^{2}-23\,f(x)\,x+f(x)-1)$$

Sequence: A028055
Score: 8.49046
Type of gen. func.: lgdogf

$$-\frac{3240\,x^{3}-1971\,x^{2}+378\,x-23}{(6\,x-1)\,(-1+3\,x)\,(-1+9\,x)\,(5\,x-1)}$$

Sequence: A028055
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(6\,x-1)\,(-1+3\,x)\,(-1+9\,x)\,(5\,x-1)}$$

Sequence: A028056
Score: 4.14143
Type of gen. func.: ogf

$$(280687 f(x) + 103140)$$

$$(900 f(x) x^4 - 720 f(x) x^3 + 203 f(x) x^2 - 24 f(x) x + f(x) - 1)$$

Sequence: A028056
Score: 8.23318
Type of gen. func.: lgdogf

$$-\frac{2 (1800 x^3 - 1080 x^2 + 203 x - 12)}{(6 x - 1) (-1 + 3 x) (5 x - 1) (10 x - 1)}$$

Sequence: A028056
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (-1 + 3 x) (5 x - 1) (10 x - 1)}$$

Sequence: A028057
Score: 4.913
Type of gen. func.: ogf

$$(46906349667063 f(x) + 15773638408000)$$

$$(990 f(x) x^4 - 783 f(x) x^3 + 217 f(x) x^2 - 25 f(x) x + f(x) - 1)$$

Sequence: A028057
Score: 7.92413
Type of gen. func.: lgdogf

$$-\frac{3960 x^3 - 2349 x^2 + 434 x - 25}{(6 x - 1) (-1 + 3 x) (5 x - 1) (11 x - 1)}$$

Sequence: A028057
Score: 9.25852
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (-1 + 3 x) (5 x - 1) (11 x - 1)}$$

Sequence: A028058
Score: 3.66535
Type of gen. func.: ogf

$$(8080481123 f(x) + 2502624000)$$

$$(1080 f(x) x^4 - 846 f(x) x^3 + 231 f(x) x^2 - 26 f(x) x + f(x) - 1)$$

Sequence: A028058
Score: 7.76986
Type of gen. func.: lgdogf

$$- \frac{2 (2160 x^3 - 1269 x^2 + 231 x - 13)}{(12 x - 1) (6 x - 1) (-1 + 3 x) (5 x - 1)}$$

Sequence: A028058
Score: 9.19551
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (6 x - 1) (-1 + 3 x) (5 x - 1)}$$

Sequence: A028059
Score: 3.45747
Type of gen. func.: ogf

$$(896014606641047377 f(x) + 357925498382592000)$$

$$(840 f(x) x^4 - 673 f(x) x^3 + 191 f(x) x^2 - 23 f(x) x + f(x) - 1)$$

Sequence: A028059
Score: 8.48759
Type of gen. func.: lgdogf

$$- \frac{3360 x^3 - 2019 x^2 + 382 x - 23}{}$$

$$(-1 + 3 x) (8 x - 1) (7 x - 1) (5 x - 1)$$

Sequence: A028059
Score: 9.75500
Type of gen. func.: ogf

$$\frac{1}{(-1 + 3 x) (8 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A028060
Score: 3.69968
Type of gen. func.: ogf

$$(54993283585427 f(x) + 19804587145875)$$

$$(945 f(x) x^4 - 744 f(x) x^3 + 206 f(x) x^2 - 24 f(x) x + f(x) - 1)$$

Sequence: A028060
Score: 8.62523
Type of gen. func.: lgdogf

$$- \frac{4 (945 x^3 - 558 x^2 + 103 x - 6)}{(-1 + 3 x) (-1 + 9 x) (7 x - 1) (5 x - 1)}$$

Sequence: A028060
Score: 9.90984
Type of gen. func.: ogf

$$\frac{1}{(-1 + 3 x) (-1 + 9 x) (7 x - 1) (5 x - 1)}$$

Sequence: A028061
Score: 5.21042
Type of gen. func.: ogf

$$(9837132182471 f(x) + 3217712964480)$$

$$(1050 f(x) x^4 - 815 f(x) x^3 + 221 f(x) x^2 - 25 f(x) x + f(x) - 1)$$

Sequence: A028061
Score: 8.49046
Type of gen. func.: lgdogf

$$-\frac{4200 x^3 - 2445 x^2 + 442 x - 25}{(-1 + 3 x) (7 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A028061
Score: 9.73598
Type of gen. func.: ogf

$$\frac{1}{(-1 + 3 x) (7 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A028062
Score: 3.2582
Type of gen. func.: ogf

$$(1805401869571938079 f(x) + 540188617495093875)$$

$$(1155 f(x) x^4 - 886 f(x) x^3 + 236 f(x) x^2 - 26 f(x) x + f(x) - 1)$$

Sequence: A028062
Score: 7.72694
Type of gen. func.: lgdogf

$$-\frac{2 (2310 x^3 - 1329 x^2 + 236 x - 13)}{(7 x - 1) (-1 + 3 x) (5 x - 1) (11 x - 1)}$$

Sequence: A028062
Score: 9.14581
Type of gen. func.: ogf

$$\frac{1}{(7 x - 1) (-1 + 3 x) (5 x - 1) (11 x - 1)}$$

Sequence: A028063
Score: 3.39986
Type of gen. func.: ogf

$$(5896115428332679 f(x) + 1624114560096000)$$

$$(1260 f(x) x^4 - 957 f(x) x^3 + 251 f(x) x^2 - 27 f(x) x + f(x) - 1)$$

Sequence: A028063
Score: 8.05694
Type of gen. func.: lgdogf

$$- \frac{5040 x^3 - 2871 x^2 + 502 x - 27}{(12 x - 1) (-1 + 3 x) (7 x - 1) (5 x - 1)}$$

Sequence: A028063
Score: 9.24521
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (-1 + 3 x) (7 x - 1) (5 x - 1)}$$

Sequence: A028064
Score: 3.72451
Type of gen. func.: ogf

$$(4415796119999 f(x) + 1422012672000)$$

$$(1080 f(x) x^4 - 831 f(x) x^3 + 223 f(x) x^2 - 25 f(x) x + f(x) - 1)$$

Sequence: A028064
Score: 8.49046
Type of gen. func.: lgdogf

$$- \frac{4320 x^3 - 2493 x^2 + 446 x - 25}{(-1 + 3 x) (-1 + 9 x) (8 x - 1) (5 x - 1)}$$

Sequence: A028064
Score: 9.73598

Type of gen. func.: ogf

$$\frac{1}{(-1 + 3 x) (-1 + 9 x) (8 x - 1) (5 x - 1)}$$

Sequence: A028065
Score: 3.65125
Type of gen. func.: ogf

$$(1259202337 f(x) + 368133120)$$

$$(1200 f(x) x^4 - 910 f(x) x^3 + 239 f(x) x^2 - 26 f(x) x + f(x) - 1)$$

Sequence: A028065
Score: 7.68401
Type of gen. func.: lgdogf

$$- \frac{2 (2400 x^3 - 1365 x^2 + 239 x - 13)}{(-1 + 3 x) (8 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A028065
Score: 9.09609
Type of gen. func.: ogf

$$\frac{1}{(-1 + 3 x) (8 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A028066
Score: 3.23546
Type of gen. func.: ogf

$$(16916755419806375429 f(x) + 4522086397939968000)$$

$$(1320 f(x) x^4 - 989 f(x) x^3 + 255 f(x) x^2 - 27 f(x) x + f(x) - 1)$$

Sequence: A028066
Score: 8.01267
Type of gen. func.: lgdogf

$$-\frac{3\,(1760\,x^3 - 989\,x^2 + 170\,x - 9)}{(-1 + 3\,x)\,(5\,x - 1)\,(11\,x - 1)\,(8\,x - 1)}$$

Sequence: A028066
Score: 9.19551
Type of gen. func.: ogf

$$\frac{1}{(-1 + 3\,x)\,(5\,x - 1)\,(11\,x - 1)\,(8\,x - 1)}$$

Sequence: A028067
Score: 3.59895
Type of gen. func.: ogf

$$(842871059789\,f(x) + 207350784000)$$

$$(1440\,f(x)\,x^4 - 1068\,f(x)\,x^3 + 271\,f(x)\,x^2 - 28\,f(x)\,x + f(x) - 1)$$

Sequence: A028067
Score: 8.27477
Type of gen. func.: lgdogf

$$-\frac{2\,(6\,x - 1)\,(480\,x^2 - 187\,x + 14)}{(12\,x - 1)\,(-1 + 3\,x)\,(8\,x - 1)\,(5\,x - 1)}$$

Sequence: A028067
Score: 9.18350
Type of gen. func.: ogf

$$\frac{1}{(12\,x - 1)\,(-1 + 3\,x)\,(8\,x - 1)\,(5\,x - 1)}$$

Sequence: A028068
Score: 3.63989
Type of gen. func.: ogf

$$(4522891219\,f(x) + 1190365632)$$

```
                4              3             2
```

```
    (1350 f(x) x  - 1005 f(x) x  + 257 f(x) x  - 27 f(x) x + f(x) - 1)



------------------------------------------------------------------------------

Sequence:  A028068
Score: 7.88940
Type of gen. func.: lgdogf


                                3         2
                          5400 x  - 3015 x  + 514 x - 27
                  - ------------------------------------------
                    (-1 + 3 x) (-1 + 9 x) (5 x - 1) (10 x - 1)



------------------------------------------------------------------------------

Sequence:  A028068
Score: 9.03697
Type of gen. func.: ogf


                                       1
                   ------------------------------------------
                   (-1 + 3 x) (-1 + 9 x) (5 x - 1) (10 x - 1)



------------------------------------------------------------------------------

Sequence:  A028069
Score: 3.4443
Type of gen. func.: ogf


(296358328885169 f(x) + 71291950871625)

                4              3             2
    (1485 f(x) x  - 1092 f(x) x  + 274 f(x) x  - 28 f(x) x + f(x) - 1)



------------------------------------------------------------------------------

Sequence:  A028069
Score: 7.93299
Type of gen. func.: lgdogf


                                  3        2
                         4 (1485 x  - 819 x  + 137 x - 7)
                  - ------------------------------------------
                    (-1 + 9 x) (-1 + 3 x) (5 x - 1) (11 x - 1)



------------------------------------------------------------------------------

Sequence:  A028069
Score: 9.08581
Type of gen. func.: ogf


                                       1
                   ------------------------------------------
                   (-1 + 9 x) (-1 + 3 x) (5 x - 1) (11 x - 1)
```

Sequence: A028070
Score: 3.59381
Type of gen. func.: ogf

$$(1231498663081 f(x) + 272551392000)$$

$$(1620 f(x) x^4 - 1179 f(x) x^3 + 291 f(x) x^2 - 29 f(x) x + f(x) - 1)$$

Sequence: A028070
Score: 8.06375
Type of gen. func.: lgdogf

$$- \frac{6480 x^3 - 3537 x^2 + 582 x - 29}{(12 x - 1) (-1 + 3 x) (-1 + 9 x) (5 x - 1)}$$

Sequence: A028070
Score: 9.23236
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (-1 + 3 x) (-1 + 9 x) (5 x - 1)}$$

Sequence: A028071
Score: 3.48992
Type of gen. func.: ogf

$$(26488242231133 f(x) + 5778715599360)$$

$$(1650 f(x) x^4 - 1195 f(x) x^3 + 293 f(x) x^2 - 29 f(x) x + f(x) - 1)$$

Sequence: A028071
Score: 7.93299
Type of gen. func.: lgdogf

$$- \frac{6600 x^3 - 3585 x^2 + 586 x - 29}{(-1 + 3 x) (5 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A028071
Score: 9.08581
Type of gen. func.: ogf

$$\frac{1}{(-1 + 3 x) (5 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A028072
Score: 3.31547
Type of gen. func.: ogf

$$(1182317411 f(x) + 237242880)$$

$$(1800 f(x) x^4 - 1290 f(x) x^3 + 311 f(x) x^2 - 30 f(x) x + f(x) - 1)$$

Sequence: A028072
Score: 6.91078
Type of gen. func.: lgdogf

$$- \frac{2 (3600 x^3 - 1935 x^2 + 311 x - 15)}{(12 x - 1) (-1 + 3 x) (5 x - 1) (10 x - 1)}$$

Sequence: A028072
Score: 8.17436
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (-1 + 3 x) (5 x - 1) (10 x - 1)}$$

Sequence: A028073
Score: 3.07473
Type of gen. func.: ogf

$$(6531732174953299 f(x) + 1197060128352000)$$

$$(1980 f(x) x^4 - 1401 f(x) x^3 + 331 f(x) x^2 - 31 f(x) x + f(x) - 1)$$

Sequence: A028073
Score: 7.20873

Type of gen. func.: lgdogf

$$-\frac{7920 x^{3} - 4203 x^{2} + 662 x - 31}{(-1 + 3 x) (5 x - 1) (12 x - 1) (11 x - 1)}$$

Sequence: A028073
Score: 8.26997
Type of gen. func.: ogf

$$\frac{1}{(-1 + 3 x) (5 x - 1) (12 x - 1) (11 x - 1)}$$

Sequence: A028074
Score: 3.70511
Type of gen. func.: ogf

$$(3145449471571 f(x) + 1128271334400)$$

$$(1008 f(x) x^{4} - 774 f(x) x^{3} + 209 f(x) x^{2} - 24 f(x) x + f(x) - 1)$$

Sequence: A028074
Score: 8.31537
Type of gen. func.: lgdogf

$$-\frac{2 (2016 x^{3} - 1161 x^{2} + 209 x - 12)}{(6 x - 1) (-1 + 3 x) (8 x - 1) (7 x - 1)}$$

Sequence: A028074
Score: 9.68528
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (-1 + 3 x) (8 x - 1) (7 x - 1)}$$

Sequence: A028075
Score: 5.35416
Type of gen. func.: ogf

$$(47381485943 f(x) + 15311322432)$$

$$(1134 f(x) x^4 - 855 f(x) x^3 + 225 f(x) x^2 - 25 f(x) x + f(x) - 1)$$

Sequence: A028075
Score: 8.49046
Type of gen. func.: lgdogf

$$- \frac{4536 x^3 - 2565 x^2 + 450 x - 25}{(6 x - 1) (-1 + 3 x) (7 x - 1) (-1 + 9 x)}$$

Sequence: A028075
Score: 9.73598
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (-1 + 3 x) (7 x - 1) (-1 + 9 x)}$$

Sequence: A028076
Score: 11.5711
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (-1 + 3 x) (7 x - 1) (10 x - 1)}$$

Sequence: A028076
Score: 4.5175
Type of gen. func.: ogf

$$(258824106871 f(x) + 75915504000)$$

$$(1260 f(x) x^4 - 936 f(x) x^3 + 241 f(x) x^2 - 26 f(x) x + f(x) - 1)$$

Sequence: A028076
Score: 9.81480
Type of gen. func.: lgdogf

$$- \frac{2 (2520 x^3 - 1404 x^2 + 241 x - 13)}{}$$

```
                    (6 x - 1) (-1 + 3 x) (7 x - 1) (10 x - 1)



------------------------------------------------------------------------------

Sequence:  A028077
Score: 3.42578
Type of gen. func.: ogf


(190315081137697 f(x) + 51028497628416)

                4              3             2
    (1386 f(x) x  - 1017 f(x) x  + 257 f(x) x  - 27 f(x) x + f(x) - 1)



------------------------------------------------------------------------------

Sequence:  A028077
Score: 8.01267
Type of gen. func.: lgdogf


                               3         2
                         5544 x  - 3051 x  + 514 x - 27
                  - -----------------------------------------
                    (6 x - 1) (7 x - 1) (-1 + 3 x) (11 x - 1)



------------------------------------------------------------------------------

Sequence:  A028077
Score: 9.03697
Type of gen. func.: ogf


                                       1
                   -----------------------------------------
                   (6 x - 1) (7 x - 1) (-1 + 3 x) (11 x - 1)



------------------------------------------------------------------------------

Sequence:  A028078
Score: 11.6762
Type of gen. func.: ogf


                                       1
                   -----------------------------------------
                   (12 x - 1) (6 x - 1) (-1 + 3 x) (7 x - 1)



------------------------------------------------------------------------------

Sequence:  A028078
Score: 4.6385
Type of gen. func.: ogf


(61877809873 f(x) + 15265157376)

                4              3             2
    (1512 f(x) x  - 1098 f(x) x  + 273 f(x) x  - 28 f(x) x + f(x) - 1)
```

Sequence: A028078
Score: 7.85572
Type of gen. func.: lgdogf

$$-\frac{2\,(3024\,x^3 - 1647\,x^2 + 273\,x - 14)}{(12\,x - 1)\,(6\,x - 1)\,(-1 + 3\,x)\,(7\,x - 1)}$$

Sequence: A028079
Score: 3.85383
Type of gen. func.: ogf

$$(21645788021\,f(x) + 6249581568)$$

$$(1296\,f(x)\,x^4 - 954\,f(x)\,x^3 + 243\,f(x)\,x^2 - 26\,f(x)\,x + f(x) - 1)$$

Sequence: A028079
Score: 8.23318
Type of gen. func.: lgdogf

$$-\frac{2\,(2592\,x^3 - 1431\,x^2 + 243\,x - 13)}{(6\,x - 1)\,(-1 + 3\,x)\,(-1 + 9\,x)\,(8\,x - 1)}$$

Sequence: A028079
Score: 9.73598
Type of gen. func.: ogf

$$\frac{1}{(6\,x - 1)\,(-1 + 3\,x)\,(-1 + 9\,x)\,(8\,x - 1)}$$

Sequence: A028080
Score: 3.56561
Type of gen. func.: ogf

$$(245876150861\,f(x) + 64397376000)$$

$$(1440\,f(x)\,x^4 - 1044\,f(x)\,x^3 + 260\,f(x)\,x^2 - 27\,f(x)\,x + f(x) - 1)$$

Sequence: A028080
Score: 8.01267
Type of gen. func.: lgdogf

$$-\frac{5760 x^3 - 3132 x^2 + 520 x - 27}{(6 x - 1) (-1 + 3 x) (8 x - 1) (10 x - 1)}$$

Sequence: A028080
Score: 9.03697
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (-1 + 3 x) (8 x - 1) (10 x - 1)}$$

Sequence: A028081
Score: 3.53676
Type of gen. func.: ogf

$$(2814022152947 f(x) + 673410186240)$$

$$(1584 f(x) x^4 - 1134 f(x) x^3 + 277 f(x) x^2 - 28 f(x) x + f(x) - 1)$$

Sequence: A028081
Score: 7.81279
Type of gen. func.: lgdogf

$$-\frac{2 (3168 x^3 - 1701 x^2 + 277 x - 14)}{(6 x - 1) (-1 + 3 x) (11 x - 1) (8 x - 1)}$$

Sequence: A028081
Score: 9.08581
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (-1 + 3 x) (11 x - 1) (8 x - 1)}$$

Sequence: A028082
Score: 3.93733

Type of gen. func.: ogf

$$(802591 f(x) + 176640)$$

$$(1728 f(x) x^4 - 1224 f(x) x^3 + 294 f(x) x^2 - 29 f(x) x + f(x) - 1)$$

Sequence: A028082
Score: 8.18975
Type of gen. func.: lgdogf

$$- \frac{6912 x^3 - 3672 x^2 + 588 x - 29}{(12 x - 1) (6 x - 1) (-1 + 3 x) (8 x - 1)}$$

Sequence: A028082
Score: 9.23236
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (6 x - 1) (-1 + 3 x) (8 x - 1)}$$

Sequence: A028083
Score: 3.61479
Type of gen. func.: ogf

$$(11564931653 f(x) + 2724111000)$$

$$(1620 f(x) x^4 - 1152 f(x) x^3 + 279 f(x) x^2 - 28 f(x) x + f(x) - 1)$$

Sequence: A028083
Score: 7.65390
Type of gen. func.: lgdogf

$$- \frac{2 (3240 x^3 - 1728 x^2 + 279 x - 14)}{(6 x - 1) (-1 + 3 x) (-1 + 9 x) (10 x - 1)}$$

Sequence: A028083
Score: 9.03697
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (-1 + 3 x) (-1 + 9 x) (10 x - 1)}$$

Sequence: A028084
Score: 3.48992
Type of gen. func.: ogf

$$(22233735391027 f(x) + 4783158350784)$$

$$(1782 f(x) x^4 - 1251 f(x) x^3 + 297 f(x) x^2 - 29 f(x) x + f(x) - 1)$$

Sequence: A028084
Score: 7.93299
Type of gen. func.: lgdogf

$$- \frac{7128 x^3 - 3753 x^2 + 594 x - 29}{(-1 + 9 x) (6 x - 1) (-1 + 3 x) (11 x - 1)}$$

Sequence: A028084
Score: 9.08581
Type of gen. func.: ogf

$$\frac{1}{(-1 + 9 x) (6 x - 1) (-1 + 3 x) (11 x - 1)}$$

Sequence: A028085
Score: 3.39094
Type of gen. func.: ogf

$$(28342193 f(x) + 5605632)$$

$$(1944 f(x) x^4 - 1350 f(x) x^3 + 315 f(x) x^2 - 30 f(x) x + f(x) - 1)$$

Sequence: A028085
Score: 7.08077
Type of gen. func.: lgdogf

$$6 (1296 x^3 - 675 x^2 + 105 x - 5)$$

$$- \frac{}{(6 x - 1) (-1 + 3 x) (12 x - 1) (-1 + 9 x)}$$

Sequence: A028085
Score: 8.12655
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (-1 + 3 x) (12 x - 1) (-1 + 9 x)}$$

Sequence: A028086
Score: 3.50424
Type of gen. func.: ogf

$$(63116416385761 f(x) + 12302097588000)$$

$$(1980 f(x) x^4 - 1368 f(x) x^3 + 317 f(x) x^2 - 30 f(x) x + f(x) - 1)$$

Sequence: A028086
Score: 7.78076
Type of gen. func.: lgdogf

$$- \frac{2 (3960 x^3 - 2052 x^2 + 317 x - 15)}{(6 x - 1) (-1 + 3 x) (10 x - 1) (11 x - 1)}$$

Sequence: A028086
Score: 9.18350
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (-1 + 3 x) (10 x - 1) (11 x - 1)}$$

Sequence: A028087
Score: 3.35425
Type of gen. func.: ogf

$$(4827140021 f(x) + 864744000)$$

$$(2160 f(x) x^4 - 1476 f(x) x^3 + 336 f(x) x^2 - 31 f(x) x + f(x) - 1)$$

Sequence: A028087
Score: 7.20873
Type of gen. func.: lgdogf

$$-\frac{8640 x^3 - 4428 x^2 + 672 x - 31}{(12 x - 1) (6 x - 1) (-1 + 3 x) (10 x - 1)}$$

Sequence: A028087
Score: 8.26997
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (6 x - 1) (-1 + 3 x) (10 x - 1)}$$

Sequence: A028088
Score: 3.23779
Type of gen. func.: ogf

$$(1159832166197 f(x) + 189596073216)$$

$$(2376 f(x) x^4 - 1602 f(x) x^3 + 357 f(x) x^2 - 32 f(x) x + f(x) - 1)$$

Sequence: A028088
Score: 7.03493
Type of gen. func.: lgdogf

$$-\frac{2 (4752 x^3 - 2403 x^2 + 357 x - 16)}{(6 x - 1) (-1 + 3 x) (12 x - 1) (11 x - 1)}$$

Sequence: A028088
Score: 8.31778
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (-1 + 3 x) (12 x - 1) (11 x - 1)}$$

Sequence: A028089
Score: 3.26632
Type of gen. func.: ogf

$$(15717944620079207 f(x) + 4031608701302784)$$

$$(1512 f(x) x^4 - 1077 f(x) x^3 + 263 f(x) x^2 - 27 f(x) x + f(x) - 1)$$

Sequence: A028089
Score: 7.83560
Type of gen. func.: lgdogf

$$- \frac{6048 x^3 - 3231 x^2 + 526 x - 27}{(-1 + 3 x) (-1 + 9 x) (8 x - 1) (7 x - 1)}$$

Sequence: A028089
Score: 8.84157
Type of gen. func.: ogf

$$\frac{1}{(-1 + 3 x) (-1 + 9 x) (8 x - 1) (7 x - 1)}$$

Sequence: A028090
Score: 3.31737
Type of gen. func.: ogf

$$(48671604875359559 f(x) + 11315796895872000)$$

$$(1680 f(x) x^4 - 1178 f(x) x^3 + 281 f(x) x^2 - 28 f(x) x + f(x) - 1)$$

Sequence: A028090
Score: 7.76986
Type of gen. func.: lgdogf

$$- \frac{2 (3360 x^3 - 1767 x^2 + 281 x - 14)}{(-1 + 3 x) (8 x - 1) (7 x - 1) (10 x - 1)}$$

Sequence: A028090

Score: 9.03697
Type of gen. func.: ogf

$$\frac{1}{(-1 + 3 x) (8 x - 1) (7 x - 1) (10 x - 1)}$$

Sequence: A028091
Score: 3.1938
Type of gen. func.: ogf

$$(128635516471469509423 f(x) + 27306633329185351680)$$

$$(1848 f(x) x^4 - 1279 f(x) x^3 + 299 f(x) x^2 - 29 f(x) x + f(x) - 1)$$

Sequence: A028091
Score: 8.05694
Type of gen. func.: lgdogf

$$- \frac{7392 x^3 - 3837 x^2 + 598 x - 29}{(7 x - 1) (-1 + 3 x) (11 x - 1) (8 x - 1)}$$

Sequence: A028091
Score: 9.08581
Type of gen. func.: ogf

$$\frac{1}{(7 x - 1) (-1 + 3 x) (11 x - 1) (8 x - 1)}$$

Sequence: A028092
Score: 3.2064
Type of gen. func.: ogf

$$(256174836511 f(x) + 49983123456)$$

$$(2016 f(x) x^4 - 1380 f(x) x^3 + 317 f(x) x^2 - 30 f(x) x + f(x) - 1)$$

Sequence: A028092
Score: 6.97348
Type of gen. func.: lgdogf

$$-\frac{2\,(4032\,x^{3}-2070\,x^{2}+317\,x-15)}{(12\,x-1)\,(-1+3\,x)\,(8\,x-1)\,(7\,x-1)}$$

Sequence: A028092
Score: 8.12655
Type of gen. func.: ogf

$$\frac{1}{(12\,x-1)\,(-1+3\,x)\,(8\,x-1)\,(7\,x-1)}$$

Sequence: A028093
Score: 3.3353
Type of gen. func.: ogf

$(67111405474247497\,f(x)+14018032228032000)$

$$(1890\,f(x)\,x^{4}-1299\,f(x)\,x^{3}+301\,f(x)\,x^{2}-29\,f(x)\,x+f(x)-1)$$

Sequence: A028093
Score: 7.93299
Type of gen. func.: lgdogf

$$-\frac{7560\,x^{3}-3897\,x^{2}+602\,x-29}{(-1+3\,x)\,(-1+9\,x)\,(7\,x-1)\,(10\,x-1)}$$

Sequence: A028093
Score: 9.08581
Type of gen. func.: ogf

$$\frac{1}{(-1+3\,x)\,(-1+9\,x)\,(7\,x-1)\,(10\,x-1)}$$

Sequence: A028094
Score: 3.37806
Type of gen. func.: ogf

$(6298001992320499\,f(x)+1200580141557951)$

$$(2079 f(x) x^4 - 1410 f(x) x^3 + 320 f(x) x^2 - 30 f(x) x + f(x) - 1)$$

Sequence: A028094
Score: 7.69618
Type of gen. func.: lgdogf

$$- \frac{2 (4158 x^3 - 2115 x^2 + 320 x - 15)}{(11 x - 1) (-1 + 3 x) (7 x - 1) (-1 + 9 x)}$$

Sequence: A028094
Score: 9.08581
Type of gen. func.: ogf

$$\frac{1}{(11 x - 1) (-1 + 3 x) (7 x - 1) (-1 + 9 x)}$$

Sequence: A028095
Score: 3.1169
Type of gen. func.: ogf

$$(102738800541553 f(x) + 17994173379840)$$

$$(2268 f(x) x^4 - 1521 f(x) x^3 + 339 f(x) x^2 - 31 f(x) x + f(x) - 1)$$

Sequence: A028095
Score: 7.16608
Type of gen. func.: lgdogf

$$- \frac{9072 x^3 - 4563 x^2 + 678 x - 31}{(12 x - 1) (-1 + 3 x) (-1 + 9 x) (7 x - 1)}$$

Sequence: A028095
Score: 8.22216
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (-1 + 3 x) (-1 + 9 x) (7 x - 1)}$$

Sequence: A028096
Score: 3.26249
Type of gen. func.: ogf

```
(549005852232130682621 f(x) + 94730844506266584000)

                 4               3              2
    (2310 f(x) x  - 1541 f(x) x  + 341 f(x) x  - 31 f(x) x + f(x) - 1)
```

Sequence: A028096
Score: 8.10734
Type of gen. func.: lgdogf

```
                                 3         2
                        9240 x  - 4623 x  + 682 x - 31
                   - --------------------------------------------
                     (7 x - 1) (-1 + 3 x) (10 x - 1) (11 x - 1)
```

Sequence: A028096
Score: 9.28121
Type of gen. func.: ogf

```
                                          1
                    ------------------------------------------
                    (7 x - 1) (-1 + 3 x) (10 x - 1) (11 x - 1)
```

Sequence: A028097
Score: 3.09457
Type of gen. func.: ogf

```
(3498220417640113 f(x) + 554407814016000)

                 4               3              2
    (2520 f(x) x  - 1662 f(x) x  + 361 f(x) x  - 32 f(x) x + f(x) - 1)
```

Sequence: A028097
Score: 6.99355
Type of gen. func.: lgdogf

```
                                  3         2
                      2 (5040 x  - 2493 x  + 361 x - 16)
                   - --------------------------------------------
                     (12 x - 1) (-1 + 3 x) (7 x - 1) (10 x - 1)
```

Sequence: A028097
Score: 8.26997
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (-1 + 3 x) (7 x - 1) (10 x - 1)}$$

Sequence: A028098
Score: 3.03252
Type of gen. func.: ogf

$$(840289586438171953 f(x) + 121418459802452736)$$

$$(2772 f(x) x^4 - 1803 f(x) x^3 + 383 f(x) x^2 - 33 f(x) x + f(x) - 1)$$

Sequence: A028098
Score: 7.18353
Type of gen. func.: lgdogf

$$- \frac{11088 x^3 - 5409 x^2 + 766 x - 33}{(7 x - 1) (-1 + 3 x) (12 x - 1) (11 x - 1)}$$

Sequence: A028098
Score: 8.36557
Type of gen. func.: ogf

$$\frac{1}{(7 x - 1) (-1 + 3 x) (12 x - 1) (11 x - 1)}$$

Sequence: A028099
Score: 3.39986
Type of gen. func.: ogf

$$(1223774609091001 f(x) + 227546008704000)$$

$$(2160 f(x) x^4 - 1446 f(x) x^3 + 323 f(x) x^2 - 30 f(x) x + f(x) - 1)$$

Sequence: A028099

Score: 7.69618
Type of gen. func.: lgdogf

$$-\frac{2\,(4320\,x^3 - 2169\,x^2 + 323\,x - 15)}{(-1 + 3\,x)\,(-1 + 9\,x)\,(8\,x - 1)\,(10\,x - 1)}$$

Sequence: A028099
Score: 9.08581
Type of gen. func.: ogf

$$\frac{1}{(-1 + 3\,x)\,(-1 + 9\,x)\,(8\,x - 1)\,(10\,x - 1)}$$

Sequence: A028100
Score: 3.45469
Type of gen. func.: ogf

$$(4387369012250353\,f(x) + 744037734426624)$$

$$(2376\,f(x)\,x^4 - 1569\,f(x)\,x^3 + 343\,f(x)\,x^2 - 31\,f(x)\,x + f(x) - 1)$$

Sequence: A028100
Score: 8.06375
Type of gen. func.: lgdogf

$$-\frac{9504\,x^3 - 4707\,x^2 + 686\,x - 31}{(-1 + 9\,x)\,(-1 + 3\,x)\,(11\,x - 1)\,(8\,x - 1)}$$

Sequence: A028100
Score: 9.23236
Type of gen. func.: ogf

$$\frac{1}{(-1 + 9\,x)\,(-1 + 3\,x)\,(11\,x - 1)\,(8\,x - 1)}$$

Sequence: A028101
Score: 3.30799
Type of gen. func.: ogf

$(14632219019 f(x) + 2278637568)$

$$(2592 f(x) x^4 - 1692 f(x) x^3 + 363 f(x) x^2 - 32 f(x) x + f(x) - 1)$$

Sequence: A028101
Score: 6.99355
Type of gen. func.: lgdogf

$$- \frac{2 (5184 x^3 - 2538 x^2 + 363 x - 16)}{(12 x - 1) (-1 + 3 x) (-1 + 9 x) (8 x - 1)}$$

Sequence: A028101
Score: 8.26997
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (-1 + 3 x) (-1 + 9 x) (8 x - 1)}$$

Sequence: A028102
Score: 10.1517
Type of gen. func.: lgdogf

$$- \frac{2 (5280 x^3 - 2571 x^2 + 365 x - 16)}{(-1 + 3 x) (10 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A028102
Score: 11.9301
Type of gen. func.: ogf

$$\frac{1}{(-1 + 3 x) (10 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A028102
Score: 4.24505
Type of gen. func.: ogf

$(10007404240664503793 f(x) + 1534929841957248000)$

$$(2640 f(x) x^4 - 1714 f(x) x^3 + 365 f(x) x^2 - 32 f(x) x + f(x) - 1)$$

Sequence: A028103
Score: 3.32711
Type of gen. func.: ogf

$$(45283581163 f(x) + 6375744000)$$

$$(2880 f(x) x^4 - 1848 f(x) x^3 + 386 f(x) x^2 - 33 f(x) x + f(x) - 1)$$

Sequence: A028103
Score: 7.60226
Type of gen. func.: lgdogf

$$- \frac{(96 x - 11) (120 x^2 - 44 x + 3)}{(12 x - 1) (-1 + 3 x) (8 x - 1) (10 x - 1)}$$

Sequence: A028103
Score: 8.31778
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (-1 + 3 x) (8 x - 1) (10 x - 1)}$$

Sequence: A028104
Score: 3.17126
Type of gen. func.: ogf

$$(119633638910771 f(x) + 15346613145600)$$

$$(3168 f(x) x^4 - 2004 f(x) x^3 + 409 f(x) x^2 - 34 f(x) x + f(x) - 1)$$

Sequence: A028104
Score: 7.07631
Type of gen. func.: lgdogf

$$- \frac{2 (6336 x^3 - 3006 x^2 + 409 x - 17)}{(-1 + 3 x) (12 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A028104
Score: 8.36557
Type of gen. func.: ogf

$$\frac{1}{(-1 + 3 x) (12 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A028105
Score: 2.97924
Type of gen. func.: ogf

$$(1253510502647548229 f(x) + 172236668055408000)$$

$$(2970 f(x) x^4 - 1887 f(x) x^3 + 389 f(x) x^2 - 33 f(x) x + f(x) - 1)$$

Sequence: A028105
Score: 6.99355
Type of gen. func.: lgdogf

$$- \frac{11880 x^3 - 5661 x^2 + 778 x - 33}{(-1 + 9 x) (-1 + 3 x) (10 x - 1) (11 x - 1)}$$

Sequence: A028105
Score: 8.26997
Type of gen. func.: ogf

$$\frac{1}{(-1 + 9 x) (-1 + 3 x) (10 x - 1) (11 x - 1)}$$

Sequence: A028106
Score: 3.23469
Type of gen. func.: ogf

$$(7985885652437 f(x) + 1006800192000)$$

$$(3240 f(x) x^4 - 2034 f(x) x^3 + 411 f(x) x^2 - 34 f(x) x + f(x) - 1)$$

Sequence: A028106
Score: 6.97225
Type of gen. func.: lgdogf

$$-\frac{2\,(6480\,x^{3}-3051\,x^{2}+411\,x-17)}{(12\,x-1)\,(-1+3\,x)\,(-1+9\,x)\,(10\,x-1)}$$

Sequence: A028106
Score: 8.36557
Type of gen. func.: ogf

$$\frac{1}{(12\,x-1)\,(-1+3\,x)\,(-1+9\,x)\,(10\,x-1)}$$

Sequence: A028107
Score: 3.23163
Type of gen. func.: ogf

$$(54794930923303\,f(x)+6290421679872)$$

$$(3564\,f(x)\,x^{4}-2205\,f(x)\,x^{3}+435\,f(x)\,x^{2}-35\,f(x)\,x+f(x)-1)$$

Sequence: A028107
Score: 7.11769
Type of gen. func.: lgdogf

$$-\frac{14256\,x^{3}-6615\,x^{2}+870\,x-35}{(11\,x-1)\,(-1+3\,x)\,(12\,x-1)\,(-1+9\,x)}$$

Sequence: A028107
Score: 8.41338
Type of gen. func.: ogf

$$\frac{1}{(11\,x-1)\,(-1+3\,x)\,(12\,x-1)\,(-1+9\,x)}$$

Sequence: A028108

Score: 3.14823
Type of gen. func.: ogf

$$(9324596806655363 f(x) + 966149091072000)$$

$$(3960 f(x) x^4 - 2406 f(x) x^3 + 461 f(x) x^2 - 36 f(x) x + f(x) - 1)$$

Sequence: A028108
Score: 7.01302
Type of gen. func.: lgdogf

$$- \frac{2 (7920 x^3 - 3609 x^2 + 461 x - 18)}{(-1 + 3 x) (12 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A028108
Score: 8.41338
Type of gen. func.: ogf

$$\frac{1}{(-1 + 3 x) (12 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A028110
Score: 3.72185
Type of gen. func.: ogf

$$(412911531989 f(x) + 291326976000)$$

$$(960 f(x) x^4 - 712 f(x) x^3 + 194 f(x) x^2 - 23 f(x) x + f(x) - 1)$$

Sequence: A028110
Score: 8.57787
Type of gen. func.: lgdogf

$$- \frac{3840 x^3 - 2136 x^2 + 388 x - 23}{(6 x - 1) (4 x - 1) (8 x - 1) (5 x - 1)}$$

Sequence: A028110
Score: 9.70339
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (4 x - 1) (8 x - 1) (5 x - 1)}$$

Sequence: A028111
Score: 3.72451
Type of gen. func.: ogf

$$(6510950373191 f(x) + 4202290368000)$$

$$(1080 f(x) x^4 - 786 f(x) x^3 + 209 f(x) x^2 - 24 f(x) x + f(x) - 1)$$

Sequence: A028111
Score: 8.35984
Type of gen. func.: lgdogf

$$- \frac{2 (2160 x^3 - 1179 x^2 + 209 x - 12)}{(6 x - 1) (4 x - 1) (-1 + 9 x) (5 x - 1)}$$

Sequence: A028111
Score: 9.73598
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (4 x - 1) (-1 + 9 x) (5 x - 1)}$$

Sequence: A028112
Score: 4.05074
Type of gen. func.: ogf

$$(5236033 f(x) + 3101760)$$

$$(1200 f(x) x^4 - 860 f(x) x^3 + 224 f(x) x^2 - 25 f(x) x + f(x) - 1)$$

Sequence: A028112
Score: 8.62523
Type of gen. func.: lgdogf

3 2

$$-\frac{4800 x - 2580 x + 448 x - 25}{(6 x - 1) (4 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A028112
Score: 9.73598
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (4 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A028113
Score: 3.32045
Type of gen. func.: ogf

$$(52044736703136983 f(x) + 28422158155776000)$$

$$(1320 f(x) x^4 - 934 f(x) x^3 + 239 f(x) x^2 - 26 f(x) x + f(x) - 1)$$

Sequence: A028113
Score: 7.84581
Type of gen. func.: lgdogf

$$-\frac{2 (2640 x^3 - 1401 x^2 + 239 x - 13)}{(6 x - 1) (5 x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A028113
Score: 9.14581
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (5 x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A028114
Score: 3.69116
Type of gen. func.: ogf

$$(428347513 f(x) + 216648000)$$

$$(1440 f(x) x^4 - 1008 f(x) x^3 + 254 f(x) x^2 - 27 f(x) x + f(x) - 1)$$

Sequence: A028114
Score: 8.13986
Type of gen. func.: lgdogf

$$-\frac{5760 x^3 - 3024 x^2 + 508 x - 27}{(12 x - 1) (6 x - 1) (4 x - 1) (5 x - 1)}$$

Sequence: A028114
Score: 9.03697
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (6 x - 1) (4 x - 1) (5 x - 1)}$$

Sequence: A028115
Score: 3.70511
Type of gen. func.: ogf

$(3978795974357 f(x) + 2596087424000)$

$$(1120 f(x) x^4 - 804 f(x) x^3 + 211 f(x) x^2 - 24 f(x) x + f(x) - 1)$$

Sequence: A028115
Score: 8.44530
Type of gen. func.: lgdogf

$$-\frac{2 (2240 x^3 - 1206 x^2 + 211 x - 12)}{(4 x - 1) (8 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A028115
Score: 9.68528
Type of gen. func.: ogf

$$\frac{1}{(4 x - 1) (8 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A028116
Score: 12.2457
Type of gen. func.: ogf

$$\frac{1}{(4 x - 1) (-1 + 9 x) (7 x - 1) (5 x - 1)}$$

Sequence: A028116
Score: 4.38997
Type of gen. func.: ogf

$$(410694681031075213 f(x) + 245253002897952000)$$

$$(1260 f(x) x^4 - 887 f(x) x^3 + 227 f(x) x^2 - 25 f(x) x + f(x) - 1)$$

Sequence: A028116
Score: 8.62523
Type of gen. func.: lgdogf

$$- \frac{5040 x^3 - 2661 x^2 + 454 x - 25}{(4 x - 1) (-1 + 9 x) (7 x - 1) (5 x - 1)}$$

Sequence: A028117
Score: 3.53181
Type of gen. func.: ogf

$$(177459626201 f(x) + 97282922240)$$

$$(1400 f(x) x^4 - 970 f(x) x^3 + 243 f(x) x^2 - 26 f(x) x + f(x) - 1)$$

Sequence: A028117
Score: 7.75864
Type of gen. func.: lgdogf

$$- \frac{2 (2800 x^3 - 1455 x^2 + 243 x - 13)}{(4 x - 1) (7 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A028117
Score: 9.04639
Type of gen. func.: ogf

$$\frac{1}{(4 x - 1) (7 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A028118
Score: 3.2759
Type of gen. func.: ogf

$$(609821087569651591 f(x) + 308193244347296000)$$

$$(1540 f(x) x^4 - 1053 f(x) x^3 + 259 f(x) x^2 - 27 f(x) x + f(x) - 1)$$

Sequence: A028118
Score: 8.13986
Type of gen. func.: lgdogf

$$- \frac{6160 x^3 - 3159 x^2 + 518 x - 27}{(7 x - 1) (5 x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A028118
Score: 9.03697
Type of gen. func.: ogf

$$\frac{1}{(7 x - 1) (5 x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A028119
Score: 3.50868
Type of gen. func.: ogf

$$(13879465767673 f(x) + 6495986062125)$$

$$(1680 f(x) x^4 - 1136 f(x) x^3 + 275 f(x) x^2 - 28 f(x) x + f(x) - 1)$$

Sequence: A028119
Score: 7.97658
Type of gen. func.: lgdogf

$$-\frac{2\,(3360\,x^3 - 1704\,x^2 + 275\,x - 14)}{(12\,x - 1)\,(4\,x - 1)\,(7\,x - 1)\,(5\,x - 1)}$$

Sequence: A028119
Score: 9.13466
Type of gen. func.: ogf

$$\frac{1}{(12\,x - 1)\,(4\,x - 1)\,(7\,x - 1)\,(5\,x - 1)}$$

Sequence: A028120
Score: 3.67517
Type of gen. func.: ogf

$$(48038002284151\,f(x) + 26274139776000)$$

$$(1440\,f(x)\,x^4 - 988\,f(x)\,x^3 + 245\,f(x)\,x^2 - 26\,f(x)\,x + f(x) - 1)$$

Sequence: A028120
Score: 8.76435
Type of gen. func.: lgdogf

$$-\frac{2\,(6\,x - 1)\,(480\,x^2 - 167\,x + 13)}{(4\,x - 1)\,(-1 + 9\,x)\,(8\,x - 1)\,(5\,x - 1)}$$

Sequence: A028120
Score: 9.73598
Type of gen. func.: ogf

$$\frac{1}{(4\,x - 1)\,(-1 + 9\,x)\,(8\,x - 1)\,(5\,x - 1)}$$

Sequence: A028121
Score: 3.86156
Type of gen. func.: ogf

$$(181533\,f(x) + 91136)$$

$$(1600 f(x) x^4 - 1080 f(x) x^3 + 262 f(x) x^2 - 27 f(x) x + f(x) - 1)$$

Sequence: A028121
Score: 8.09489
Type of gen. func.: lgdogf

$$-\frac{6400 x^3 - 3240 x^2 + 524 x - 27}{(4 x - 1) (8 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A028121
Score: 8.98812
Type of gen. func.: ogf

$$\frac{1}{(4 x - 1) (8 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A028122
Score: 3.37806
Type of gen. func.: ogf

$$(2272177615753337 f(x) + 1051434800768000)$$

$$(1760 f(x) x^4 - 1172 f(x) x^3 + 279 f(x) x^2 - 28 f(x) x + f(x) - 1)$$

Sequence: A028122
Score: 7.93299
Type of gen. func.: lgdogf

$$-\frac{2 (3520 x^3 - 1758 x^2 + 279 x - 14)}{(5 x - 1) (4 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A028122
Score: 9.08581
Type of gen. func.: ogf

$$\frac{1}{(5 x - 1) (4 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A028123
Score: 3.59895
Type of gen. func.: ogf

$$(245030247979 f(x) + 104984208000)$$

$$(1920 f(x) x^4 - 1264 f(x) x^3 + 296 f(x) x^2 - 29 f(x) x + f(x) - 1)$$

Sequence: A028123
Score: 8.27477
Type of gen. func.: lgdogf

$$- \frac{7680 x^3 - 3792 x^2 + 592 x - 29}{(12 x - 1) (4 x - 1) (8 x - 1) (5 x - 1)}$$

Sequence: A028123
Score: 9.18350
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (4 x - 1) (8 x - 1) (5 x - 1)}$$

Sequence: A028124
Score: 3.56561
Type of gen. func.: ogf

$$(120103243513 f(x) + 55165121280)$$

$$(1800 f(x) x^4 - 1190 f(x) x^3 + 281 f(x) x^2 - 28 f(x) x + f(x) - 1)$$

Sequence: A028124
Score: 7.76986
Type of gen. func.: lgdogf

$$- \frac{2 (3600 x^3 - 1785 x^2 + 281 x - 14)}{(4 x - 1) (-1 + 9 x) (5 x - 1) (10 x - 1)}$$

```
------------------------------------------------------------------------------

Sequence:  A028124
Score: 9.03697
Type of gen. func.: ogf


                                       1
                   -----------------------------------------
                   (4 x - 1) (-1 + 9 x) (5 x - 1) (10 x - 1)



------------------------------------------------------------------------------

Sequence:  A028125
Score: 3.21328
Type of gen. func.: ogf


(77911887825663392011 f(x) + 32977256862657888000)

                4              3             2
    (1980 f(x) x  - 1291 f(x) x  + 299 f(x) x  - 29 f(x) x + f(x) - 1)



------------------------------------------------------------------------------

Sequence:  A028125
Score: 8.05694
Type of gen. func.: lgdogf


                               3         2
                         7920 x  - 3873 x  + 598 x - 29
                  - -----------------------------------------
                    (-1 + 9 x) (5 x - 1) (4 x - 1) (11 x - 1)



------------------------------------------------------------------------------

Sequence:  A028125
Score: 9.08581
Type of gen. func.: ogf


                                       1
                   -----------------------------------------
                   (-1 + 9 x) (5 x - 1) (4 x - 1) (11 x - 1)



------------------------------------------------------------------------------

Sequence:  A028126
Score: 3.22836
Type of gen. func.: ogf


(43641221027 f(x) + 17098938000)

                4              3             2
    (2160 f(x) x  - 1392 f(x) x  + 317 f(x) x  - 30 f(x) x + f(x) - 1)



------------------------------------------------------------------------------
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Sequence: A028126
Score: 6.97348
Type of gen. func.: lgdogf

$$-\frac{2\,(4320\,x^3 - 2088\,x^2 + 317\,x - 15)}{(12\,x - 1)\,(4\,x - 1)\,(-1 + 9\,x)\,(5\,x - 1)}$$

Sequence: A028126
Score: 8.12655
Type of gen. func.: ogf

$$\frac{1}{(12\,x - 1)\,(4\,x - 1)\,(-1 + 9\,x)\,(5\,x - 1)}$$

Sequence: A028127
Score: 3.55578
Type of gen. func.: ogf

$$(1017740492671\,f(x) + 395115761920)$$

$$(2200\,f(x)\,x^4 - 1410\,f(x)\,x^3 + 319\,f(x)\,x^2 - 30\,f(x)\,x + f(x) - 1)$$

Sequence: A028127
Score: 7.85572
Type of gen. func.: lgdogf

$$-\frac{2\,(4400\,x^3 - 2115\,x^2 + 319\,x - 15)}{(5\,x - 1)\,(10\,x - 1)\,(4\,x - 1)\,(11\,x - 1)}$$

Sequence: A028127
Score: 9.13466
Type of gen. func.: ogf

$$\frac{1}{(5\,x - 1)\,(10\,x - 1)\,(4\,x - 1)\,(11\,x - 1)}$$

Sequence: A028128
Score: 3.43083
Type of gen. func.: ogf

$$(14957407 f(x) + 5374080)$$

$$(2400 f(x) x^4 - 1520 f(x) x^3 + 338 f(x) x^2 - 31 f(x) x + f(x) - 1)$$

Sequence: A028128
Score: 7.27805
Type of gen. func.: lgdogf

$$- \frac{9600 x^3 - 4560 x^2 + 676 x - 31}{(12 x - 1) (4 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A028128
Score: 8.22216
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (4 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A028129
Score: 3.11245
Type of gen. func.: ogf

$$(1904574647719243 f(x) + 630149868513000)$$

$$(2640 f(x) x^4 - 1648 f(x) x^3 + 359 f(x) x^2 - 32 f(x) x + f(x) - 1)$$

Sequence: A028129
Score: 7.14152
Type of gen. func.: lgdogf

$$- \frac{2 (5280 x^3 - 2472 x^2 + 359 x - 16)}{(5 x - 1) (12 x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A028129
Score: 8.31778
Type of gen. func.: ogf

$$\frac{1}{(5 x - 1) (12 x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A028130
Score: 3.80104
Type of gen. func.: ogf

$$(109106319223 f(x) + 69398525952)$$

$$(1344 f(x) x^{4} - 920 f(x) x^{3} + 230 f(x) x^{2} - 25 f(x) x + f(x) - 1)$$

Sequence: A028130
Score: 9.36879
Type of gen. func.: lgdogf

$$- \frac{(32 x - 5) (168 x^{2} - 60 x + 5)}{(6 x - 1) (8 x - 1) (7 x - 1) (4 x - 1)}$$

Sequence: A028130
Score: 9.73598
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (8 x - 1) (7 x - 1) (4 x - 1)}$$

Sequence: A028131
Score: 3.80104
Type of gen. func.: ogf

$$(53838655189 f(x) + 31408570368)$$

$$(1512 f(x) x^{4} - 1014 f(x) x^{3} + 247 f(x) x^{2} - 26 f(x) x + f(x) - 1)$$

Sequence: A028131
Score: 8.35984
Type of gen. func.: lgdogf

$$- \frac{2 (3024 x^{3} - 1521 x^{2} + 247 x - 13)}{}$$

$$(6 x - 1) (4 x - 1) (-1 + 9 x) (7 x - 1)$$

Sequence: A028131
Score: 9.56812
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (4 x - 1) (-1 + 9 x) (7 x - 1)}$$

Sequence: A028132
Score: 3.3633
Type of gen. func.: ogf

$$(1427488784654713 f(x) + 765449284824000)$$

$$(1680 f(x) x^4 - 1108 f(x) x^3 + 264 f(x) x^2 - 27 f(x) x + f(x) - 1)$$

Sequence: A028132
Score: 7.96840
Type of gen. func.: lgdogf

$$- \frac{3 (2240 x^3 - 1108 x^2 + 176 x - 9)}{(6 x - 1) (4 x - 1) (7 x - 1) (10 x - 1)}$$

Sequence: A028132
Score: 8.98812
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (4 x - 1) (7 x - 1) (10 x - 1)}$$

Sequence: A028133
Score: 3.2759
Type of gen. func.: ogf

$$(338135947796028157 f(x) + 167281866427737600)$$

$$(1848 f(x) x^4 - 1202 f(x) x^3 + 281 f(x) x^2 - 28 f(x) x + f(x) - 1)$$

Sequence: A028133
Score: 7.88940
Type of gen. func.: lgdogf

$$-\frac{2\,(3696\,x^{3} - 1803\,x^{2} + 281\,x - 14)}{(6\,x - 1)\,(7\,x - 1)\,(4\,x - 1)\,(11\,x - 1)}$$

Sequence: A028133
Score: 9.03697
Type of gen. func.: ogf

$$\frac{1}{(6\,x - 1)\,(7\,x - 1)\,(4\,x - 1)\,(11\,x - 1)}$$

Sequence: A028134
Score: 4.7899
Type of gen. func.: ogf

$$(924846989\,f(x) + 423915072)$$

$$(2016\,f(x)\,x^{4} - 1296\,f(x)\,x^{3} + 298\,f(x)\,x^{2} - 29\,f(x)\,x + f(x) - 1)$$

Sequence: A028134
Score: 8.27477
Type of gen. func.: lgdogf

$$-\frac{8064\,x^{3} - 3888\,x^{2} + 596\,x - 29}{(12\,x - 1)\,(6\,x - 1)\,(4\,x - 1)\,(7\,x - 1)}$$

Sequence: A028134
Score: 9.18350
Type of gen. func.: ogf

$$\frac{1}{(12\,x - 1)\,(6\,x - 1)\,(4\,x - 1)\,(7\,x - 1)}$$

Sequence: A028135
Score: 3.93412
Type of gen. func.: ogf

$$(5854309571 f(x) + 3140259840)$$

$$(1728 f(x) x^4 - 1128 f(x) x^3 + 266 f(x) x^2 - 27 f(x) x + f(x) - 1)$$

Sequence: A028135
Score: 8.80875
Type of gen. func.: lgdogf

$$-\frac{6912 x^3 - 3384 x^2 + 532 x - 27}{(6 x - 1) (4 x - 1) (-1 + 9 x) (8 x - 1)}$$

Sequence: A028135
Score: 9.76747
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (4 x - 1) (-1 + 9 x) (8 x - 1)}$$

Sequence: A028136
Score: 3.59003
Type of gen. func.: ogf

$$(27931366199 f(x) + 13769568000)$$

$$(1920 f(x) x^4 - 1232 f(x) x^3 + 284 f(x) x^2 - 28 f(x) x + f(x) - 1)$$

Sequence: A028136
Score: 8.13986
Type of gen. func.: lgdogf

$$-\frac{4 (1920 x^3 - 924 x^2 + 142 x - 7)}{(6 x - 1) (4 x - 1) (8 x - 1) (10 x - 1)}$$

Sequence: A028136
Score: 9.03697

Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (4 x - 1) (8 x - 1) (10 x - 1)}$$

Sequence: A028137
Score: 3.46696
Type of gen. func.: ogf

$$(46275499056299 f(x) + 21042904025088)$$

$$(2112 f(x) x^{4} - 1336 f(x) x^{3} + 302 f(x) x^{2} - 29 f(x) x + f(x) - 1)$$

Sequence: A028137
Score: 8.18483
Type of gen. func.: lgdogf

$$- \frac{8448 x^{3} - 4008 x^{2} + 604 x - 29}{(6 x - 1) (4 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A028137
Score: 9.08581
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (4 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A028138
Score: 3.9665
Type of gen. func.: ogf

$$(151789 f(x) + 63936)$$

$$(2304 f(x) x^{4} - 1440 f(x) x^{3} + 320 f(x) x^{2} - 30 f(x) x + f(x) - 1)$$

Sequence: A028138
Score: 8.06375
Type of gen. func.: lgdogf

$$-\frac{2\,(4608\,x^{3}-2160\,x^{2}+320\,x-15)}{(6\,x-1)\,(8\,x-1)\,(12\,x-1)\,(4\,x-1)}$$

Sequence: A028138
Score: 9.23236
Type of gen. func.: ogf

$$\frac{1}{(6\,x-1)\,(8\,x-1)\,(12\,x-1)\,(4\,x-1)}$$

Sequence: A028139
Score: 3.51318
Type of gen. func.: ogf

$$(3049945097837\,f(x)+1378542888000)$$

$$(2160\,f(x)\,x^{4}-1356\,f(x)\,x^{3}+304\,f(x)\,x^{2}-29\,f(x)\,x+f(x)-1)$$

Sequence: A028139
Score: 8.05694
Type of gen. func.: lgdogf

$$-\frac{8640\,x^{3}-4068\,x^{2}+608\,x-29}{(6\,x-1)\,(4\,x-1)\,(-1+9\,x)\,(10\,x-1)}$$

Sequence: A028139
Score: 9.08581
Type of gen. func.: ogf

$$\frac{1}{(6\,x-1)\,(4\,x-1)\,(-1+9\,x)\,(10\,x-1)}$$

Sequence: A028140
Score: 3.46696
Type of gen. func.: ogf

$$(28859349513833\,f(x)+12028685442048)$$

4 3 2

$$(2376 f(x) x - 1470 f(x) x + 323 f(x) x - 30 f(x) x + f(x) - 1)$$

Sequence: A028140
Score: 7.81279
Type of gen. func.: lgdogf

$$- \frac{2 (4752 x^3 - 2205 x^2 + 323 x - 15)}{(-1 + 9 x) (6 x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A028140
Score: 9.08581
Type of gen. func.: ogf

$$\frac{1}{(-1 + 9 x) (6 x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A028141
Score: 3.43083
Type of gen. func.: ogf

$$(17742197 f(x) + 6848064)$$

$$(2592 f(x) x^4 - 1584 f(x) x^3 + 342 f(x) x^2 - 31 f(x) x + f(x) - 1)$$

Sequence: A028141
Score: 7.16608
Type of gen. func.: lgdogf

$$- \frac{10368 x^3 - 4752 x^2 + 684 x - 31}{(12 x - 1) (6 x - 1) (4 x - 1) (-1 + 9 x)}$$

Sequence: A028141
Score: 8.22216
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (6 x - 1) (4 x - 1) (-1 + 9 x)}$$

Sequence: A028142
Score: 3.42873
Type of gen. func.: ogf

$$(24058096941539741 f(x) + 9207925050456000)$$

$$(2640 f(x) x^4 - 1604 f(x) x^3 + 344 f(x) x^2 - 31 f(x) x + f(x) - 1)$$

Sequence: A028142
Score: 8.10734
Type of gen. func.: lgdogf

$$-\frac{10560 x^3 - 4812 x^2 + 688 x - 31}{(6 x - 1) (10 x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A028142
Score: 9.28121
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (10 x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A028143
Score: 3.50115
Type of gen. func.: ogf

$$(2738263 f(x) + 970250)$$

$$(2880 f(x) x^4 - 1728 f(x) x^3 + 364 f(x) x^2 - 32 f(x) x + f(x) - 1)$$

Sequence: A028143
Score: 7.43758
Type of gen. func.: lgdogf

$$-\frac{8 (1440 x^3 - 648 x^2 + 91 x - 4)}{(12 x - 1) (6 x - 1) (4 x - 1) (10 x - 1)}$$

Sequence: A028143
Score: 8.26997
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (6 x - 1) (4 x - 1) (10 x - 1)}$$

Sequence: A028144
Score: 3.30432
Type of gen. func.: ogf

$$(46601765179 f(x) + 15214288320)$$

$$(3168 f(x) x^4 - 1872 f(x) x^3 + 386 f(x) x^2 - 33 f(x) x + f(x) - 1)$$

Sequence: A028144
Score: 7.25139
Type of gen. func.: lgdogf

$$- \frac{12672 x^3 - 5616 x^2 + 772 x - 33}{(6 x - 1) (12 x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A028144
Score: 8.31778
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (12 x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A028145
Score: 3.3599
Type of gen. func.: ogf

$$(3963191414664449 f(x) + 1990651036050432)$$

$$(2016 f(x) x^4 - 1268 f(x) x^3 + 287 f(x) x^2 - 28 f(x) x + f(x) - 1)$$

Sequence: A028145
Score: 7.88940

Type of gen. func.: lgdogf

$$-\frac{2\,(4032\,x^3-1902\,x^2+287\,x-14)}{(4\,x-1)\,(-1+9\,x)\,(8\,x-1)\,(7\,x-1)}$$

Sequence: A028145
Score: 9.03697
Type of gen. func.: ogf

$$\frac{1}{(4\,x-1)\,(-1+9\,x)\,(8\,x-1)\,(7\,x-1)}$$

Sequence: A028146
Score: 3.46696
Type of gen. func.: ogf

$$(60395841613217\,f(x)+27885318272000)$$

$$(2240\,f(x)\,x^4-1384\,f(x)\,x^3+306\,f(x)\,x^2-29\,f(x)\,x+f(x)-1)$$

Sequence: A028146
Score: 8.18483
Type of gen. func.: lgdogf

$$-\frac{8960\,x^3-4152\,x^2+612\,x-29}{(4\,x-1)\,(8\,x-1)\,(7\,x-1)\,(10\,x-1)}$$

Sequence: A028146
Score: 9.08581
Type of gen. func.: ogf

$$\frac{1}{(4\,x-1)\,(8\,x-1)\,(7\,x-1)\,(10\,x-1)}$$

Sequence: A028147
Score: 3.42193
Type of gen. func.: ogf

$$(951515906758981 f(x) + 405223424134144)$$

$$(2464 f(x) x^4 - 1500 f(x) x^3 + 325 f(x) x^2 - 30 f(x) x + f(x) - 1)$$

Sequence: A028147
Score: 7.93299
Type of gen. func.: lgdogf

$$-\frac{2 (4928 x^3 - 2250 x^2 + 325 x - 15)}{(11 x - 1) (8 x - 1) (7 x - 1) (4 x - 1)}$$

Sequence: A028147
Score: 9.08581
Type of gen. func.: ogf

$$\frac{1}{(11 x - 1) (8 x - 1) (7 x - 1) (4 x - 1)}$$

Sequence: A028148
Score: 3.18196
Type of gen. func.: ogf

$$(1534036944737 f(x) + 605061878400)$$

$$(2688 f(x) x^4 - 1616 f(x) x^3 + 344 f(x) x^2 - 31 f(x) x + f(x) - 1)$$

Sequence: A028148
Score: 7.23473
Type of gen. func.: lgdogf

$$-\frac{10752 x^3 - 4848 x^2 + 688 x - 31}{(12 x - 1) (4 x - 1) (8 x - 1) (7 x - 1)}$$

Sequence: A028148
Score: 8.17436
Type of gen. func.: ogf

$$\frac{1}{\quad}$$

$$(12 x - 1) (4 x - 1) (8 x - 1) (7 x - 1)$$

Sequence: A028149
Score: 3.27315
Type of gen. func.: ogf

$$(2054143158459065861 f(x) + 869994192164832000)$$

$$(2520 f(x) x^4 - 1522 f(x) x^3 + 327 f(x) x^2 - 30 f(x) x + f(x) - 1)$$

Sequence: A028149
Score: 8.05694
Type of gen. func.: lgdogf

$$- \frac{6 (1680 x^3 - 761 x^2 + 109 x - 5)}{(4 x - 1) (-1 + 9 x) (7 x - 1) (10 x - 1)}$$

Sequence: A028149
Score: 9.08581
Type of gen. func.: ogf

$$\frac{1}{(4 x - 1) (-1 + 9 x) (7 x - 1) (10 x - 1)}$$

Sequence: A028150
Score: 3.19163
Type of gen. func.: ogf

$$(485175054981902266937 f(x) + 189471552070733501184)$$

$$(2772 f(x) x^4 - 1649 f(x) x^3 + 347 f(x) x^2 - 31 f(x) x + f(x) - 1)$$

Sequence: A028150
Score: 7.97658
Type of gen. func.: lgdogf

$$- \frac{11088 x^3 - 4947 x^2 + 694 x - 31}{(-1 + 9 x) (7 x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A028150
Score: 9.13466
Type of gen. func.: ogf

$$\frac{1}{(-1 + 9 x) (7 x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A028151
Score: 10.3055
Type of gen. func.: lgdogf

$$- \frac{2 (6048 x^3 - 2664 x^2 + 367 x - 16)}{(12 x - 1) (4 x - 1) (-1 + 9 x) (7 x - 1)}$$

Sequence: A028151
Score: 11.9301
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (4 x - 1) (-1 + 9 x) (7 x - 1)}$$

Sequence: A028151
Score: 4.64391
Type of gen. func.: ogf

$$(1489654536073 f(x) + 538604571960)$$

$$(3024 f(x) x^4 - 1776 f(x) x^3 + 367 f(x) x^2 - 32 f(x) x + f(x) - 1)$$

Sequence: A028152
Score: 10.2609
Type of gen. func.: lgdogf

$$- \frac{2 (6160 x^3 - 2697 x^2 + 369 x - 16)}{(7 x - 1) (10 x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A028152
Score: 11.8793
Type of gen. func.: ogf

$$\frac{1}{(7 x - 1) (10 x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A028152
Score: 4.25308
Type of gen. func.: ogf

$$(7381797896943910079 f(x) + 2647133146166432000) (3080 f(x) x^4 - 1798 f(x) x^3 + 369 f(x) x^2 - 32 f(x) x + f(x) - 1)$$

Sequence: A028153
Score: 3.17388
Type of gen. func.: ogf

$$(36039784217609 f(x) + 11961655776000) (3360 f(x) x^4 - 1936 f(x) x^3 + 390 f(x) x^2 - 33 f(x) x + f(x) - 1)$$

Sequence: A028153
Score: 7.48159
Type of gen. func.: lgdogf

$$- \frac{3 (8 x - 1) (560 x^2 - 172 x + 11)}{(12 x - 1) (4 x - 1) (7 x - 1) (10 x - 1)}$$

Sequence: A028153
Score: 8.31778
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (4 x - 1) (7 x - 1) (10 x - 1)}$$

Sequence: A028154
Score: 3.09047

Type of gen. func.: ogf

$$(23390687986048249 f(x) + 7151240938664592)$$

$$(3696 f(x) x^4 - 2096 f(x) x^3 + 413 f(x) x^2 - 34 f(x) x + f(x) - 1)$$

Sequence: A028154
Score: 7.18353
Type of gen. func.: lgdogf

$$- \frac{2 (7392 x^3 - 3144 x^2 + 413 x - 17)}{(7 x - 1) (12 x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A028154
Score: 8.36557
Type of gen. func.: ogf

$$\frac{1}{(7 x - 1) (12 x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A028155
Score: 3.42193
Type of gen. func.: ogf

$$(278768034671071 f(x) + 108712119168000)$$

$$(2880 f(x) x^4 - 1688 f(x) x^3 + 350 f(x) x^2 - 31 f(x) x + f(x) - 1)$$

Sequence: A028155
Score: 7.93299
Type of gen. func.: lgdogf

$$- \frac{11520 x^3 - 5064 x^2 + 700 x - 31}{(4 x - 1) (-1 + 9 x) (8 x - 1) (10 x - 1)}$$

Sequence: A028155
Score: 9.08581
Type of gen. func.: ogf

$$\frac{1}{(4 x - 1) (-1 + 9 x) (8 x - 1) (10 x - 1)}$$

Sequence: A028156
Score: 3.40703
Type of gen. func.: ogf

$$(65786124468684661 f(x) + 23646153717457920)$$

$$(3168 f(x) x^4 - 1828 f(x) x^3 + 371 f(x) x^2 - 32 f(x) x + f(x) - 1)$$

Sequence: A028156
Score: 7.98450
Type of gen. func.: lgdogf

$$- \frac{2 (6336 x^3 - 2742 x^2 + 371 x - 16)}{(-1 + 9 x) (4 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A028156
Score: 9.28121
Type of gen. func.: ogf

$$\frac{1}{(-1 + 9 x) (4 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A028157
Score: 3.33096
Type of gen. func.: ogf

$$(3229695293 f(x) + 1074363264)$$

$$(3456 f(x) x^4 - 1968 f(x) x^3 + 392 f(x) x^2 - 33 f(x) x + f(x) - 1)$$

Sequence: A028157
Score: 7.55754
Type of gen. func.: lgdogf

$$(32 x - 3) (432 x^2 - 144 x + 11)$$

```
                  - -----------------------------------------
                    (12 x - 1) (4 x - 1) (-1 + 9 x) (8 x - 1)



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Sequence:  A028157
Score: 8.26997
Type of gen. func.: ogf


                                       1
                   -----------------------------------------
                   (12 x - 1) (4 x - 1) (-1 + 9 x) (8 x - 1)



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Sequence:  A028158
Score: 4.64391
Type of gen. func.: ogf


(2044405187021 f(x) + 674486912000)

                4               3              2
    (3520 f(x) x  - 1992 f(x) x  + 394 f(x) x  - 33 f(x) x + f(x) - 1)



------------------------------------------------------------------------------

Sequence:  A028158
Score: 7.16608
Type of gen. func.: lgdogf


                                3         2
                         14080 x  - 5976 x  + 788 x - 33
                  - -----------------------------------------
                    (10 x - 1) (4 x - 1) (11 x - 1) (8 x - 1)



------------------------------------------------------------------------------

Sequence:  A028158
Score: 8.22216
Type of gen. func.: ogf


                                       1
                   -----------------------------------------
                   (10 x - 1) (4 x - 1) (11 x - 1) (8 x - 1)



------------------------------------------------------------------------------

Sequence:  A028159
Score: 3.28184
Type of gen. func.: ogf


(107310418303 f(x) + 32752728000)

                4               3              2
    (3840 f(x) x  - 2144 f(x) x  + 416 f(x) x  - 34 f(x) x + f(x) - 1)
```

Sequence: A028159
Score: 7.14152
Type of gen. func.: lgdogf

$$- \frac{2 (7680 x^3 - 3216 x^2 + 416 x - 17)}{(12 x - 1) (4 x - 1) (8 x - 1) (10 x - 1)}$$

Sequence: A028159
Score: 8.31778
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (4 x - 1) (8 x - 1) (10 x - 1)}$$

Sequence: A028160
Score: 3.23469
Type of gen. func.: ogf

$$(5060962451729 f(x) + 1422120813696)$$

$$(4224 f(x) x^4 - 2320 f(x) x^3 + 440 f(x) x^2 - 35 f(x) x + f(x) - 1)$$

Sequence: A028160
Score: 7.29404
Type of gen. func.: lgdogf

$$- \frac{16896 x^3 - 6960 x^2 + 880 x - 35}{(11 x - 1) (8 x - 1) (12 x - 1) (4 x - 1)}$$

Sequence: A028160
Score: 8.36557
Type of gen. func.: ogf

$$\frac{1}{(11 x - 1) (8 x - 1) (12 x - 1) (4 x - 1)}$$

Sequence: A028161
Score: 2.97797
Type of gen. func.: ogf

$$(4837251852979870111 f(x) + 1461533687485344000)$$

$$(3960 f(x) x^4 - 2186 f(x) x^3 + 419 f(x) x^2 - 34 f(x) x + f(x) - 1)$$

Sequence: A028161
Score: 7.03493
Type of gen. func.: lgdogf

$$-\frac{2 (7920 x^3 - 3279 x^2 + 419 x - 17)}{(-1 + 9 x) (10 x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A028161
Score: 8.31778
Type of gen. func.: ogf

$$\frac{1}{(-1 + 9 x) (10 x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A028162
Score: 3.3007
Type of gen. func.: ogf

$$(118665072493 f(x) + 33152976000)$$

$$(4320 f(x) x^4 - 2352 f(x) x^3 + 442 f(x) x^2 - 35 f(x) x + f(x) - 1)$$

Sequence: A028162
Score: 7.18353
Type of gen. func.: lgdogf

$$-\frac{17280 x^3 - 7056 x^2 + 884 x - 35}{(12 x - 1) (4 x - 1) (-1 + 9 x) (10 x - 1)}$$

Sequence: A028162

Score: 8.36557
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (4 x - 1) (-1 + 9 x) (10 x - 1)}$$

Sequence: A028163
Score: 3.23163
Type of gen. func.: ogf

$$(12236175385777 f(x) + 3145485542364)$$

$$(4752 f(x) x^4 - 2544 f(x) x^3 + 467 f(x) x^2 - 36 f(x) x + f(x) - 1)$$

Sequence: A028163
Score: 7.11769
Type of gen. func.: lgdogf

$$- \frac{2 (9504 x^3 - 3816 x^2 + 467 x - 18)}{(-1 + 9 x) (12 x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A028163
Score: 8.41338
Type of gen. func.: ogf

$$\frac{1}{(-1 + 9 x) (12 x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A028164
Score: 3.12805
Type of gen. func.: ogf

$$(6495249686061143 f(x) + 1529278622784000)$$

$$(5280 f(x) x^4 - 2768 f(x) x^3 + 494 f(x) x^2 - 37 f(x) x + f(x) - 1)$$

Sequence: A028164
Score: 7.22554
Type of gen. func.: lgdogf

$$-\frac{21120 x^3 - 8304 x^2 + 988 x - 37}{(12 x - 1) (10 x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A028164
Score: 8.41338
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (10 x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A028165
Score: 3.55738
Type of gen. func.: ogf

$$(7847320994852009 f(x) + 6540036999552000)$$

$$(1680 f(x) x^4 - 1066 f(x) x^3 + 251 f(x) x^2 - 26 f(x) x + f(x) - 1)$$

Sequence: A028165
Score: 8.49046
Type of gen. func.: lgdogf

$$-\frac{2 (3360 x^3 - 1599 x^2 + 251 x - 13)}{(6 x - 1) (8 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A028165
Score: 9.56812
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (8 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A028166
Score: 3.53472
Type of gen. func.: ogf

$$(12204844530291391 f(x) + 9478827017856000)$$

$$(1890 f(x) x^4 - 1173 f(x) x^3 + 269 f(x) x^2 - 27 f(x) x + f(x) - 1)$$

Sequence: A028166
Score: 8.62523
Type of gen. func.: lgdogf

$$-\frac{7560 x^3 - 3519 x^2 + 538 x - 27}{(6 x - 1) (-1 + 9 x) (7 x - 1) (5 x - 1)}$$

Sequence: A028166
Score: 9.56812
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (-1 + 9 x) (7 x - 1) (5 x - 1)}$$

Sequence: A028167
Score: 3.63989
Type of gen. func.: ogf

$$(7559058397 f(x) + 5456951640)$$

$$(2100 f(x) x^4 - 1280 f(x) x^3 + 287 f(x) x^2 - 28 f(x) x + f(x) - 1)$$

Sequence: A028167
Score: 7.88940
Type of gen. func.: lgdogf

$$-\frac{2 (4200 x^3 - 1920 x^2 + 287 x - 14)}{(6 x - 1) (7 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A028167
Score: 9.03697
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (7 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A028168
Score: 3.21328
Type of gen. func.: ogf

$$(93970228156728236083 f(x) + 63102482500464792000)$$

$$(2310 f(x) x^4 - 1387 f(x) x^3 + 305 f(x) x^2 - 29 f(x) x + f(x) - 1)$$

Sequence: A028168
Score: 8.18483
Type of gen. func.: lgdogf

$$- \frac{9240 x^3 - 4161 x^2 + 610 x - 29}{(6 x - 1) (7 x - 1) (5 x - 1) (11 x - 1)}$$

Sequence: A028168
Score: 9.08581
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (7 x - 1) (5 x - 1) (11 x - 1)}$$

Sequence: A028169
Score: 3.47713
Type of gen. func.: ogf

$$(195519256103303 f(x) + 122400192096000)$$

$$(2520 f(x) x^4 - 1494 f(x) x^3 + 323 f(x) x^2 - 30 f(x) x + f(x) - 1)$$

Sequence: A028169
Score: 8.59252
Type of gen. func.: lgdogf

$$- \frac{2 (16 x - 3) (315 x^2 - 81 x + 5)}{(12 x - 1) (6 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A028169
Score: 9.23236
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (6 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A028170
Score: 3.41104
Type of gen. func.: ogf

$$(29525541934999 f(x) + 21668570496000)$$

$$(2160 f(x) x^4 - 1302 f(x) x^3 + 289 f(x) x^2 - 28 f(x) x + f(x) - 1)$$

Sequence: A028170
Score: 7.80222
Type of gen. func.: lgdogf

$$- \frac{2 (4320 x^3 - 1953 x^2 + 289 x - 14)}{(6 x - 1) (-1 + 9 x) (8 x - 1) (5 x - 1)}$$

Sequence: A028170
Score: 8.93926
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (-1 + 9 x) (8 x - 1) (5 x - 1)}$$

Sequence: A028171
Score: 3.60944
Type of gen. func.: ogf

$$(17364715819 f(x) + 11856775680)$$

$$(2400 f(x) x^4 - 1420 f(x) x^3 + 308 f(x) x^2 - 29 f(x) x + f(x) - 1)$$

Sequence: A028171

Score: 8.18483
Type of gen. func.: lgdogf

$$-\frac{9600 x^3 - 4260 x^2 + 616 x - 29}{(6 x - 1) (8 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A028171
Score: 9.08581
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (8 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A028172
Score: 3.25295
Type of gen. func.: ogf

$$(1584304740954576409 f(x) + 1006816691320704000)$$

$$(2640 f(x) x^4 - 1538 f(x) x^3 + 327 f(x) x^2 - 30 f(x) x + f(x) - 1)$$

Sequence: A028172
Score: 8.18483
Type of gen. func.: lgdogf

$$-\frac{6 (1760 x^3 - 769 x^2 + 109 x - 5)}{(6 x - 1) (5 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A028172
Score: 9.08581
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (5 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A028173
Score: 3.22836
Type of gen. func.: ogf

$$(25716321323 f(x) + 15240384000)$$

$$(2880 f(x) x^4 - 1656 f(x) x^3 + 346 f(x) x^2 - 31 f(x) x + f(x) - 1)$$

Sequence: A028173
Score: 7.19141
Type of gen. func.: lgdogf

$$- \frac{11520 x^3 - 4968 x^2 + 692 x - 31}{(12 x - 1) (6 x - 1) (8 x - 1) (5 x - 1)}$$

Sequence: A028173
Score: 8.12655
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (6 x - 1) (8 x - 1) (5 x - 1)}$$

Sequence: A028174
Score: 3.76413
Type of gen. func.: ogf

$$(46855201 f(x) + 29898720)$$

$$(2700 f(x) x^4 - 1560 f(x) x^3 + 329 f(x) x^2 - 30 f(x) x + f(x) - 1)$$

Sequence: A028174
Score: 7.81279
Type of gen. func.: lgdogf

$$- \frac{2 (5400 x^3 - 2340 x^2 + 329 x - 15)}{(6 x - 1) (-1 + 9 x) (5 x - 1) (10 x - 1)}$$

Sequence: A028174
Score: 9.08581
Type of gen. func.: ogf

$$1$$

$$\overline{(6 x - 1) (-1 + 9 x) (5 x - 1) (10 x - 1)}$$

Sequence: A028175
Score: 3.29361
Type of gen. func.: ogf

$$(187866881324356307 f(x) + 111592576911024000)$$

$$(2970 f(x) x^4 - 1689 f(x) x^3 + 349 f(x) x^2 - 31 f(x) x + f(x) - 1)$$

Sequence: A028175
Score: 7.93299
Type of gen. func.: lgdogf

$$- \frac{11880 x^3 - 5067 x^2 + 698 x - 31}{(-1 + 9 x) (6 x - 1) (5 x - 1) (11 x - 1)}$$

Sequence: A028175
Score: 9.08581
Type of gen. func.: ogf

$$\frac{1}{(-1 + 9 x) (6 x - 1) (5 x - 1) (11 x - 1)}$$

Sequence: A028176
Score: 3.24412
Type of gen. func.: ogf

$$(167129218223 f(x) + 92583648000)$$

$$(3240 f(x) x^4 - 1818 f(x) x^3 + 369 f(x) x^2 - 32 f(x) x + f(x) - 1)$$

Sequence: A028176
Score: 7.05750
Type of gen. func.: lgdogf

$$- \frac{2 (6480 x^3 - 2727 x^2 + 369 x - 16)}{(12 x - 1) (6 x - 1) (-1 + 9 x) (5 x - 1)}$$

Sequence: A028176
Score: 8.22216
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (6 x - 1) (-1 + 9 x) (5 x - 1)}$$

Sequence: A028177
Score: 3.20346
Type of gen. func.: ogf

$$(491444192419 f(x) + 271744453530)$$
$$(3300 f(x) x^4 - 1840 f(x) x^3 + 371 f(x) x^2 - 32 f(x) x + f(x) - 1)$$

Sequence: A028177
Score: 7.01549
Type of gen. func.: lgdogf

$$- \frac{2 (6600 x^3 - 2760 x^2 + 371 x - 16)}{(6 x - 1) (5 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A028177
Score: 8.17436
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (5 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A028178
Score: 12.0316
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (6 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A028178
Score: 5.05675
Type of gen. func.: ogf

$$(2965769 f(x) + 1529280)$$

$$(3600 f(x) x^4 - 1980 f(x) x^3 + 392 f(x) x^2 - 33 f(x) x + f(x) - 1)$$

Sequence: A028178
Score: 7.25139
Type of gen. func.: lgdogf

$$- \frac{14400 x^3 - 5940 x^2 + 784 x - 33}{(12 x - 1) (6 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A028179
Score: 4.58024
Type of gen. func.: ogf

$$(174542196546643 f(x) + 83760617952000)$$

$$(3960 f(x) x^4 - 2142 f(x) x^3 + 415 f(x) x^2 - 34 f(x) x + f(x) - 1)$$

Sequence: A028179
Score: 7.18353
Type of gen. func.: lgdogf

$$- \frac{2 (7920 x^3 - 3213 x^2 + 415 x - 17)}{(6 x - 1) (5 x - 1) (12 x - 1) (11 x - 1)}$$

Sequence: A028179
Score: 8.36557
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (5 x - 1) (12 x - 1) (11 x - 1)}$$

Sequence: A028180

Score: 3.1938
Type of gen. func.: ogf

$$(130535141523264196939 f(x) + 94907769482873088000)$$

$$(2520 f(x) x^4 - 1459 f(x) x^3 + 311 f(x) x^2 - 29 f(x) x + f(x) - 1)$$

Sequence: A028180
Score: 8.05694
Type of gen. func.: lgdogf

$$- \frac{10080 x^3 - 4377 x^2 + 622 x - 29}{(-1 + 9 x) (8 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A028180
Score: 9.08581
Type of gen. func.: ogf

$$\frac{1}{(-1 + 9 x) (8 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A028181
Score: 3.51318
Type of gen. func.: ogf

$$(1662908589529 f(x) + 1127958737920)$$

$$(2800 f(x) x^4 - 1590 f(x) x^3 + 331 f(x) x^2 - 30 f(x) x + f(x) - 1)$$

Sequence: A028181
Score: 7.93299
Type of gen. func.: lgdogf

$$- \frac{2 (5600 x^3 - 2385 x^2 + 331 x - 15)}{(8 x - 1) (7 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A028181
Score: 9.08581
Type of gen. func.: ogf

$$\frac{1}{(8 x - 1) (7 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A028182
Score: 3.17456
Type of gen. func.: ogf

$$(453401719628157499961 f(x) + 286753509870426368000)$$

$$(3080 f(x) x^4 - 1721 f(x) x^3 + 351 f(x) x^2 - 31 f(x) x + f(x) - 1)$$

Sequence: A028182
Score: 8.05694
Type of gen. func.: lgdogf

$$- \frac{12320 x^3 - 5163 x^2 + 702 x - 31}{(7 x - 1) (5 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A028182
Score: 9.08581
Type of gen. func.: ogf

$$\frac{1}{(7 x - 1) (5 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A028183
Score: 3.01826
Type of gen. func.: ogf

$$(48143615754260587 f(x) + 28430085777408000)$$

$$(3360 f(x) x^4 - 1852 f(x) x^3 + 371 f(x) x^2 - 32 f(x) x + f(x) - 1)$$

Sequence: A028183
Score: 7.16608
Type of gen. func.: lgdogf

$$^{3} \qquad\qquad ^{2}$$

```
                        2 (6720 x  - 2778 x  + 371 x - 16)
                   - ----------------------------------------
                     (12 x - 1) (8 x - 1) (7 x - 1) (5 x - 1)



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Sequence:  A028183
Score: 8.22216
Type of gen. func.: ogf


                                       1
                    ----------------------------------------
                    (12 x - 1) (8 x - 1) (7 x - 1) (5 x - 1)



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Sequence:  A028184
Score: 11.5239
Type of gen. func.: ogf


                                       1
                   -----------------------------------------
                   (-1 + 9 x) (7 x - 1) (5 x - 1) (10 x - 1)



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Sequence:  A028184
Score: 4.31218
Type of gen. func.: ogf


(1284990612527633 f(x) + 818342059389120)

                4              3             2
    (3150 f(x) x  - 1745 f(x) x  + 353 f(x) x  - 31 f(x) x + f(x) - 1)



-------------------------------------------------------------------------------

Sequence:  A028184
Score: 7.93299
Type of gen. func.: lgdogf


                                3         2
                         12600 x  - 5235 x  + 706 x - 31
                  - -----------------------------------------
                    (-1 + 9 x) (7 x - 1) (5 x - 1) (10 x - 1)



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Sequence:  A028185
Score: 3.28514
Type of gen. func.: ogf


(14235733593421527283 f(x) + 8455367055747409875)

                4              3             2
    (3465 f(x) x  - 1888 f(x) x  + 374 f(x) x  - 32 f(x) x + f(x) - 1)
```

Sequence: A028185
Score: 8.06375
Type of gen. func.: lgdogf

$$-\frac{4\,(3465\,x^3 - 1416\,x^2 + 187\,x - 8)}{(-1 + 9\,x)\,(7\,x - 1)\,(5\,x - 1)\,(11\,x - 1)}$$

Sequence: A028185
Score: 9.23236
Type of gen. func.: ogf

$$\frac{1}{(-1 + 9\,x)\,(7\,x - 1)\,(5\,x - 1)\,(11\,x - 1)}$$

Sequence: A028186
Score: 2.99786
Type of gen. func.: ogf

$$(723965318126716853\,f(x) + 401539696606944000)$$

$$(3780\,f(x)\,x^4 - 2031\,f(x)\,x^3 + 395\,f(x)\,x^2 - 33\,f(x)\,x + f(x) - 1)$$

Sequence: A028186
Score: 7.20873
Type of gen. func.: lgdogf

$$-\frac{15120\,x^3 - 6093\,x^2 + 790\,x - 33}{(12\,x - 1)\,(-1 + 9\,x)\,(7\,x - 1)\,(5\,x - 1)}$$

Sequence: A028186
Score: 8.26997
Type of gen. func.: ogf

$$\frac{1}{(12\,x - 1)\,(-1 + 9\,x)\,(7\,x - 1)\,(5\,x - 1)}$$

Sequence: A028187
Score: 10.9704
Type of gen. func.: lgdogf

$$-\frac{(8x-1)(1925x^2-530x+33)}{(7x-1)(5x-1)(10x-1)(11x-1)}$$

Sequence: A028187
Score: 11.9301
Type of gen. func.: ogf

$$\frac{1}{(7x-1)(5x-1)(10x-1)(11x-1)}$$

Sequence: A028187
Score: 4.46415
Type of gen. func.: ogf

$$(1479225085013317 f(x) + 820335601402240)$$

$$(3850 f(x) x^4 - 2055 f(x) x^3 + 397 f(x) x^2 - 33 f(x) x + f(x) - 1)$$

Sequence: A028188
Score: 3.25967
Type of gen. func.: ogf

$$(708298988353 f(x) + 366779460096)$$

$$(4200 f(x) x^4 - 2210 f(x) x^3 + 419 f(x) x^2 - 34 f(x) x + f(x) - 1)$$

Sequence: A028188
Score: 7.14152
Type of gen. func.: lgdogf

$$-\frac{2(8400x^3-3315x^2+419x-17)}{(12x-1)(7x-1)(5x-1)(10x-1)}$$

Sequence: A028188
Score: 8.31778
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (7 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A028189
Score: 2.88811
Type of gen. func.: ogf

$$(5451974816157212265589 f(x) + 2632566361367704608000)$$

$$(4620 f(x) x^4 - 2389 f(x) x^3 + 443 f(x) x^2 - 35 f(x) x + f(x) - 1)$$

Sequence: A028189
Score: 7.29404
Type of gen. func.: lgdogf

$$- \frac{18480 x^3 - 7167 x^2 + 886 x - 35}{(7 x - 1) (5 x - 1) (12 x - 1) (11 x - 1)}$$

Sequence: A028189
Score: 8.36557
Type of gen. func.: ogf

$$\frac{1}{(7 x - 1) (5 x - 1) (12 x - 1) (11 x - 1)}$$

Sequence: A028190
Score: 3.53207
Type of gen. func.: ogf

$$(4236201486385 f(x) + 2588342750208)$$

$$(3600 f(x) x^4 - 1930 f(x) x^3 + 377 f(x) x^2 - 32 f(x) x + f(x) - 1)$$

Sequence: A028190
Score: 7.85572
Type of gen. func.: lgdogf

$$-\frac{2\,(7200\,x^3-2895\,x^2+377\,x-16)}{(-1+9\,x)\,(8\,x-1)\,(5\,x-1)\,(10\,x-1)}$$

Sequence: A028190
Score: 9.13466
Type of gen. func.: ogf

$$\frac{1}{(-1+9\,x)\,(8\,x-1)\,(5\,x-1)\,(10\,x-1)}$$

Sequence: A028191
Score: 2.8221
Type of gen. func.: ogf

$(1917420529070039116103\,f(x)+1093566699804471552000)$

$$(3960\,f(x)\,x^4-2087\,f(x)\,x^3+399\,f(x)\,x^2-33\,f(x)\,x+f(x)-1)$$

Sequence: A028191
Score: 7.01549
Type of gen. func.: lgdogf

$$-\frac{3\,(5280\,x^3-2087\,x^2+266\,x-11)}{(-1+9\,x)\,(5\,x-1)\,(11\,x-1)\,(8\,x-1)}$$

Sequence: A028191
Score: 8.17436
Type of gen. func.: ogf

$$\frac{1}{(-1+9\,x)\,(5\,x-1)\,(11\,x-1)\,(8\,x-1)}$$

Sequence: A028192
Score: 3.2162
Type of gen. func.: ogf

$(5459809735919\,f(x)+2909219328000)$

$$(4320 f(x) x^4 - 2244 f(x) x^3 + 421 f(x) x^2 - 34 f(x) x + f(x) - 1)$$

Sequence: A028192
Score: 7.14152
Type of gen. func.: lgdogf

$$-\frac{2 (8640 x^3 - 3366 x^2 + 421 x - 17)}{(12 x - 1) (-1 + 9 x) (8 x - 1) (5 x - 1)}$$

Sequence: A028192
Score: 8.31778
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (-1 + 9 x) (8 x - 1) (5 x - 1)}$$

Sequence: A028193
Score: 3.15564
Type of gen. func.: ogf

$$(72696479360647 f(x) + 38767694986240)$$

$$(4400 f(x) x^4 - 2270 f(x) x^3 + 423 f(x) x^2 - 34 f(x) x + f(x) - 1)$$

Sequence: A028193
Score: 7.09951
Type of gen. func.: lgdogf

$$-\frac{2 (8800 x^3 - 3405 x^2 + 423 x - 17)}{(5 x - 1) (10 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A028193
Score: 8.26997
Type of gen. func.: ogf

$$\frac{1}{(5 x - 1) (10 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A028194
Score: 3.44116
Type of gen. func.: ogf

$$(178839551 f(x) + 89095680)$$

$$(4800 f(x) x^4 - 2440 f(x) x^3 + 446 f(x) x^2 - 35 f(x) x + f(x) - 1)$$

Sequence: A028194
Score: 7.29404
Type of gen. func.: lgdogf

$$- \frac{19200 x^3 - 7320 x^2 + 892 x - 35}{(12 x - 1) (8 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A028194
Score: 8.36557
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (8 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A028195
Score: 3.04985
Type of gen. func.: ogf

$$(694518177158394599 f(x) + 322891182738432000)$$

$$(5280 f(x) x^4 - 2636 f(x) x^3 + 471 f(x) x^2 - 36 f(x) x + f(x) - 1)$$

Sequence: A028195
Score: 7.33670
Type of gen. func.: lgdogf

$$- \frac{6 (3520 x^3 - 1318 x^2 + 157 x - 6)}{(5 x - 1) (12 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A028195
Score: 8.41338
Type of gen. func.: ogf

$$\frac{1}{(5 x - 1) (12 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A028196
Score: 10.3948
Type of gen. func.: lgdogf

$$- \frac{19800 x^{3} - 7455 x^{2} + 898 x - 35}{(-1 + 9 x) (5 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A028196
Score: 12.0316
Type of gen. func.: ogf

$$\frac{1}{(-1 + 9 x) (5 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A028196
Score: 4.47328
Type of gen. func.: ogf

$$(2641785835593067 f(x) + 1328863447707840)$$

$$(4950 f(x) x^{4} - 2485 f(x) x^{3} + 449 f(x) x^{2} - 35 f(x) x + f(x) - 1)$$

Sequence: A028197
Score: 3.31956
Type of gen. func.: ogf

$$(114350559433 f(x) + 53737758720)$$

$$(5400 f(x) x^{4} - 2670 f(x) x^{3} + 473 f(x) x^{2} - 36 f(x) x + f(x) - 1)$$

Sequence: A028197
Score: 7.01302
Type of gen. func.: lgdogf

$$-\frac{2\,(10800\,x^3 - 4005\,x^2 + 473\,x - 18)}{(12\,x - 1)\,(-1 + 9\,x)\,(5\,x - 1)\,(10\,x - 1)}$$

Sequence: A028197
Score: 8.41338
Type of gen. func.: ogf

$$\frac{1}{(12\,x - 1)\,(-1 + 9\,x)\,(5\,x - 1)\,(10\,x - 1)}$$

Sequence: A028198
Score: 2.99372
Type of gen. func.: ogf

$$(10309817309633546281\,f(x) + 4522223346084576000)$$

$$(5940\,f(x)\,x^4 - 2883\,f(x)\,x^3 + 499\,f(x)\,x^2 - 37\,f(x)\,x + f(x) - 1)$$

Sequence: A028198
Score: 7.22554
Type of gen. func.: lgdogf

$$-\frac{23760\,x^3 - 8649\,x^2 + 998\,x - 37}{(-1 + 9\,x)\,(5\,x - 1)\,(12\,x - 1)\,(11\,x - 1)}$$

Sequence: A028198
Score: 8.41338
Type of gen. func.: ogf

$$\frac{1}{(-1 + 9\,x)\,(5\,x - 1)\,(12\,x - 1)\,(11\,x - 1)}$$

Sequence: A028199
Score: 3.20468
Type of gen. func.: ogf

$(849830375285897 f(x) + 348716272227840)$

$$(6600 f(x) x^4 - 3130 f(x) x^3 + 527 f(x) x^2 - 38 f(x) x + f(x) - 1)$$

Sequence: A028199
Score: 7.09457
Type of gen. func.: lgdogf

$$-\frac{2 (13200 x^3 - 4695 x^2 + 527 x - 19)}{(5 x - 1) (12 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A028199
Score: 8.50898
Type of gen. func.: ogf

$$\frac{1}{(5 x - 1) (12 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A028200
Score: 10.1017
Type of gen. func.: lgdogf

$$-\frac{2 (6048 x^3 - 2475 x^2 + 335 x - 15)}{(6 x - 1) (8 x - 1) (7 x - 1) (-1 + 9 x)}$$

Sequence: A028200
Score: 11.5239
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (8 x - 1) (7 x - 1) (-1 + 9 x)}$$

Sequence: A028200
Score: 4.34018
Type of gen. func.: ogf

$(191979306276967 f(x) + 167697270494208)$

$$(3024 f(x) x^4 - 1650 f(x) x^3 + 335 f(x) x^2 - 30 f(x) x + f(x) - 1)$$

Sequence: A028201
Score: 3.37806
Type of gen. func.: ogf

$$(2801817086610019 f(x) + 2311663548096000)$$

$$(3360 f(x) x^4 - 1796 f(x) x^3 + 356 f(x) x^2 - 31 f(x) x + f(x) - 1)$$

Sequence: A028201
Score: 8.05694
Type of gen. func.: lgdogf

$$- \frac{13440 x^3 - 5388 x^2 + 712 x - 31}{(6 x - 1) (8 x - 1) (7 x - 1) (10 x - 1)}$$

Sequence: A028201
Score: 9.08581
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (8 x - 1) (7 x - 1) (10 x - 1)}$$

Sequence: A028202
Score: 3.27044
Type of gen. func.: ogf

$$(7080635327901906923 f(x) + 5496354941525167104)$$

$$(3696 f(x) x^4 - 1942 f(x) x^3 + 377 f(x) x^2 - 32 f(x) x + f(x) - 1)$$

Sequence: A028202
Score: 7.97658
Type of gen. func.: lgdogf

$$- \frac{2 (7392 x^3 - 2913 x^2 + 377 x - 16)}{}$$

$$(6 x - 1) (7 x - 1) (11 x - 1) (8 x - 1)$$

Sequence: A028202
Score: 9.13466
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (7 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A028203
Score: 3.26298
Type of gen. func.: ogf

$$(113471969633 f(x) + 82803119616)$$

$$(4032 f(x) x^4 - 2088 f(x) x^3 + 398 f(x) x^2 - 33 f(x) x + f(x) - 1)$$

Sequence: A028203
Score: 7.32137
Type of gen. func.: lgdogf

$$- \frac{16128 x^3 - 6264 x^2 + 796 x - 33}{(12 x - 1) (6 x - 1) (8 x - 1) (7 x - 1)}$$

Sequence: A028203
Score: 8.26997
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (6 x - 1) (8 x - 1) (7 x - 1)}$$

Sequence: A028204
Score: 3.46282
Type of gen. func.: ogf

$$(110468979025361 f(x) + 87343563336750)$$

$$(3780 f(x) x^4 - 1968 f(x) x^3 + 379 f(x) x^2 - 32 f(x) x + f(x) - 1)$$

Sequence: A028204
Score: 7.85572
Type of gen. func.: lgdogf

$$- \frac{2 (7560 x^3 - 2952 x^2 + 379 x - 16)}{(6 x - 1) (-1 + 9 x) (7 x - 1) (10 x - 1)}$$

Sequence: A028204
Score: 9.13466
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (-1 + 9 x) (7 x - 1) (10 x - 1)}$$

Sequence: A028205
Score: 3.36444
Type of gen. func.: ogf

$$(810020786795978893 f(x) + 603287706823623360)$$

$$(4158 f(x) x^4 - 2127 f(x) x^3 + 401 f(x) x^2 - 33 f(x) x + f(x) - 1)$$

Sequence: A028205
Score: 8.10734
Type of gen. func.: lgdogf

$$- \frac{16632 x^3 - 6381 x^2 + 802 x - 33}{(-1 + 9 x) (6 x - 1) (7 x - 1) (11 x - 1)}$$

Sequence: A028205
Score: 9.28121
Type of gen. func.: ogf

$$\frac{1}{(-1 + 9 x) (6 x - 1) (7 x - 1) (11 x - 1)}$$

Sequence: A028206
Score: 3.30432
Type of gen. func.: ogf

$$(28756598783 f(x) + 20149565184)$$

$$(4536 f(x) x^4 - 2286 f(x) x^3 + 423 f(x) x^2 - 34 f(x) x + f(x) - 1)$$

Sequence: A028206
Score: 7.14152
Type of gen. func.: lgdogf

$$- \frac{2 (9072 x^3 - 3429 x^2 + 423 x - 17)}{(12 x - 1) (6 x - 1) (-1 + 9 x) (7 x - 1)}$$

Sequence: A028206
Score: 8.31778
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (6 x - 1) (-1 + 9 x) (7 x - 1)}$$

Sequence: A028207
Score: 2.99786
Type of gen. func.: ogf

$$(379468445476892327 f(x) + 267911938940184000)$$

$$(4620 f(x) x^4 - 2312 f(x) x^3 + 425 f(x) x^2 - 34 f(x) x + f(x) - 1)$$

Sequence: A028207
Score: 7.09951
Type of gen. func.: lgdogf

$$- \frac{2 (9240 x^3 - 3468 x^2 + 425 x - 17)}{(6 x - 1) (7 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A028207
Score: 8.26997

Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (7 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A028208
Score: 3.23469
Type of gen. func.: ogf

$$(1598603241617 f(x) + 1062265512000) (5040 f(x) x^4 - 2484 f(x) x^3 + 448 f(x) x^2 - 35 f(x) x + f(x) - 1)$$

Sequence: A028208
Score: 7.29404
Type of gen. func.: lgdogf

$$- \frac{20160 x^3 - 7452 x^2 + 896 x - 35}{(12 x - 1) (6 x - 1) (7 x - 1) (10 x - 1)}$$

Sequence: A028208
Score: 8.36557
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (6 x - 1) (7 x - 1) (10 x - 1)}$$

Sequence: A028209
Score: 3.10812
Type of gen. func.: ogf

$$(12038353326914609 f(x) + 7544477069902080) (5544 f(x) x^4 - 2682 f(x) x^3 + 473 f(x) x^2 - 36 f(x) x + f(x) - 1)$$

Sequence: A028209
Score: 7.11769
Type of gen. func.: lgdogf

$$-\frac{2\,(11088\,x^{3}-4023\,x^{2}+473\,x-18)}{(6\,x-1)\,(7\,x-1)\,(12\,x-1)\,(11\,x-1)}$$

Sequence: A028209
Score: 8.41338
Type of gen. func.: ogf

$$\frac{1}{(6\,x-1)\,(7\,x-1)\,(12\,x-1)\,(11\,x-1)}$$

Sequence: A028210
Score: 3.4856
Type of gen. func.: ogf

$$(55518158966941\,f(x)+43815598272000)$$

$$(4320\,f(x)\,x^{4}-2172\,f(x)\,x^{3}+404\,f(x)\,x^{2}-33\,f(x)\,x+f(x)-1)$$

Sequence: A028210
Score: 7.97658
Type of gen. func.: lgdogf

$$-\frac{17280\,x^{3}-6516\,x^{2}+808\,x-33}{(6\,x-1)\,(-1+9\,x)\,(8\,x-1)\,(10\,x-1)}$$

Sequence: A028210
Score: 9.13466
Type of gen. func.: ogf

$$\frac{1}{(6\,x-1)\,(-1+9\,x)\,(8\,x-1)\,(10\,x-1)}$$

Sequence: A028211
Score: 3.09666
Type of gen. func.: ogf

$$(744619795148399\,f(x)+555165944644608)$$

4 3 2

$$(4752 f(x) x - 2346 f(x) x + 427 f(x) x - 34 f(x) x + f(x) - 1)$$

Sequence: A028211
Score: 7.05750
Type of gen. func.: lgdogf

$$- \frac{2 (9504 x^3 - 3519 x^2 + 427 x - 17)}{(-1 + 9 x) (6 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A028211
Score: 8.22216
Type of gen. func.: ogf

$$\frac{1}{(-1 + 9 x) (6 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A028212
Score: 5.00555
Type of gen. func.: ogf

$$(17288029 f(x) + 12151296)$$

$$(5184 f(x) x^4 - 2520 f(x) x^3 + 450 f(x) x^2 - 35 f(x) x + f(x) - 1)$$

Sequence: A028212
Score: 7.29404
Type of gen. func.: lgdogf

$$- \frac{20736 x^3 - 7560 x^2 + 900 x - 35}{(6 x - 1) (8 x - 1) (12 x - 1) (-1 + 9 x)}$$

Sequence: A028212
Score: 8.36557
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (8 x - 1) (12 x - 1) (-1 + 9 x)}$$

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------------------------------------------------------------------------------

Sequence:  A028213
Score: 3.05336
Type of gen. func.: ogf


(57178804605103459 f(x) + 40602804783552000)

                4              3             2
    (5280 f(x) x  - 2548 f(x) x  + 452 f(x) x  - 35 f(x) x + f(x) - 1)



------------------------------------------------------------------------------

Sequence:  A028213
Score: 7.25139
Type of gen. func.: lgdogf


                                3         2
                         21120 x  - 7644 x  + 904 x - 35
                  - -----------------------------------------
                    (6 x - 1) (10 x - 1) (11 x - 1) (8 x - 1)



------------------------------------------------------------------------------

Sequence:  A028213
Score: 8.31778
Type of gen. func.: ogf


                                       1
                   -----------------------------------------
                   (6 x - 1) (10 x - 1) (11 x - 1) (8 x - 1)



------------------------------------------------------------------------------

Sequence:  A028214
Score: 12.0824
Type of gen. func.: ogf


                                       1
                   -----------------------------------------
                   (12 x - 1) (6 x - 1) (8 x - 1) (10 x - 1)



------------------------------------------------------------------------------

Sequence:  A028214
Score: 4.8665
Type of gen. func.: ogf


(6367091071 f(x) + 4264704000)

                4              3             2
    (5760 f(x) x  - 2736 f(x) x  + 476 f(x) x  - 36 f(x) x + f(x) - 1)



------------------------------------------------------------------------------
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Sequence: A028214
Score: 7.29404
Type of gen. func.: lgdogf

$$- \frac{4 (5760 x^3 - 2052 x^2 + 238 x - 9)}{(12 x - 1) (6 x - 1) (8 x - 1) (10 x - 1)}$$

Sequence: A028215
Score: 3.275
Type of gen. func.: ogf

$$(1444708486997 f(x) + 915675526656)$$

$$(6336 f(x) x^4 - 2952 f(x) x^3 + 502 f(x) x^2 - 37 f(x) x + f(x) - 1)$$

Sequence: A028215
Score: 7.22554
Type of gen. func.: lgdogf

$$- \frac{25344 x^3 - 8856 x^2 + 1004 x - 37}{(6 x - 1) (12 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A028215
Score: 8.41338
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (12 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A028216
Score: 3.11028
Type of gen. func.: ogf

$$(5595039463307233 f(x) + 3867392202993000)$$

$$(5940 f(x) x^4 - 2784 f(x) x^3 + 479 f(x) x^2 - 36 f(x) x + f(x) - 1)$$

Sequence: A028216
Score: 6.97225

Type of gen. func.: lgdogf

$$-\frac{2\,(11880\,x^{3} - 4176\,x^{2} + 479\,x - 18)}{(-1 + 9\,x)\,(6\,x - 1)\,(10\,x - 1)\,(11\,x - 1)}$$

Sequence: A028216
Score: 8.36557
Type of gen. func.: ogf

$$\frac{1}{(-1 + 9\,x)\,(6\,x - 1)\,(10\,x - 1)\,(11\,x - 1)}$$

Sequence: A028217
Score: 10.3715
Type of gen. func.: lgdogf

$$-\frac{25920\,x^{3} - 8964\,x^{2} + 1008\,x - 37}{(12\,x - 1)\,(6\,x - 1)\,(-1 + 9\,x)\,(10\,x - 1)}$$

Sequence: A028217
Score: 12.1839
Type of gen. func.: ogf

$$\frac{1}{(12\,x - 1)\,(6\,x - 1)\,(-1 + 9\,x)\,(10\,x - 1)}$$

Sequence: A028217
Score: 4.77477
Type of gen. func.: ogf

$$(272676931967\,f(x) + 178003656000)$$

$$(6480\,f(x)\,x^{4} - 2988\,f(x)\,x^{3} + 504\,f(x)\,x^{2} - 37\,f(x)\,x + f(x) - 1)$$

Sequence: A028218
Score: 3.22861
Type of gen. func.: ogf

$$(61631486843903 f(x) + 38146119264000)$$

$$(7128 f(x) x^4 - 3222 f(x) x^3 + 531 f(x) x^2 - 38 f(x) x + f(x) - 1)$$

Sequence: A028218
Score: 7.05380
Type of gen. func.: lgdogf

$$- \frac{2 (14256 x^3 - 4833 x^2 + 531 x - 19)}{(-1 + 9 x) (6 x - 1) (12 x - 1) (11 x - 1)}$$

Sequence: A028218
Score: 8.46117
Type of gen. func.: ogf

$$\frac{1}{(-1 + 9 x) (6 x - 1) (12 x - 1) (11 x - 1)}$$

Sequence: A028219
Score: 3.20468
Type of gen. func.: ogf

$$(640967267568277 f(x) + 380319546024000)$$

$$(7920 f(x) x^4 - 3492 f(x) x^3 + 560 f(x) x^2 - 39 f(x) x + f(x) - 1)$$

Sequence: A028219
Score: 7.09457
Type of gen. func.: lgdogf

$$- \frac{31680 x^3 - 10476 x^2 + 1120 x - 39}{(6 x - 1) (12 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A028219
Score: 8.50898
Type of gen. func.: ogf

$$\frac{1}{}$$

$$(6 x - 1) (12 x - 1) (10 x - 1) (11 x - 1)$$

Sequence: A028220
Score: 4.13624
Type of gen. func.: ogf

$$(1325894779419372281969 f(x) + 1139461874106473465856)$$

$$(5544 f(x) x^4 - 2605 f(x) x^3 + 455 f(x) x^2 - 35 f(x) x + f(x) - 1)$$

Sequence: A028220
Score: 7.20873
Type of gen. func.: lgdogf

$$- \frac{22176 x^3 - 7815 x^2 + 910 x - 35}{(11 x - 1) (8 x - 1) (7 x - 1) (-1 + 9 x)}$$

Sequence: A028220
Score: 8.26997
Type of gen. func.: ogf

$$\frac{1}{(11 x - 1) (8 x - 1) (7 x - 1) (-1 + 9 x)}$$

Sequence: A028221
Score: 3.15067
Type of gen. func.: ogf

$$(313675715516669 f(x) + 256010574274560)$$

$$(6048 f(x) x^4 - 2796 f(x) x^3 + 479 f(x) x^2 - 36 f(x) x + f(x) - 1)$$

Sequence: A028221
Score: 7.07631
Type of gen. func.: lgdogf

$$- \frac{2 (12096 x^3 - 4194 x^2 + 479 x - 18)}{(12 x - 1) (-1 + 9 x) (8 x - 1) (7 x - 1)}$$

Sequence: A028221
Score: 8.36557
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (-1 + 9 x) (8 x - 1) (7 x - 1)}$$

Sequence: A028222
Score: 2.97671
Type of gen. func.: ogf

$$(10436918743002071533 f(x) + 8677981628643712000)$$

$$(6160 f(x) x^4 - 2826 f(x) x^3 + 481 f(x) x^2 - 36 f(x) x + f(x) - 1)$$

Sequence: A028222
Score: 7.07631
Type of gen. func.: lgdogf

$$- \frac{2 (12320 x^3 - 4239 x^2 + 481 x - 18)}{(7 x - 1) (10 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A028222
Score: 8.36557
Type of gen. func.: ogf

$$\frac{1}{(7 x - 1) (10 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A028223
Score: 3.12805
Type of gen. func.: ogf

$$(9695012602831039 f(x) + 7665806530368000)$$

$$(6720 f(x) x^4 - 3032 f(x) x^3 + 506 f(x) x^2 - 37 f(x) x + f(x) - 1)$$

Sequence: A028223
Score: 7.22554
Type of gen. func.: lgdogf

$$-\frac{26880 x^3 - 9096 x^2 + 1012 x - 37}{(12 x - 1) (8 x - 1) (7 x - 1) (10 x - 1)}$$

Sequence: A028223
Score: 8.41338
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (8 x - 1) (7 x - 1) (10 x - 1)}$$

Sequence: A028224
Score: 3.08647
Type of gen. func.: ogf

$$(113937896166763831 f(x) + 86291433090035712)$$

$$(7392 f(x) x^4 - 3268 f(x) x^3 + 533 f(x) x^2 - 38 f(x) x + f(x) - 1)$$

Sequence: A028224
Score: 7.15908
Type of gen. func.: lgdogf

$$-\frac{2 (14784 x^3 - 4902 x^2 + 533 x - 19)}{(7 x - 1) (12 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A028224
Score: 8.46117
Type of gen. func.: ogf

$$\frac{1}{(7 x - 1) (12 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A028225
Score: 2.87044

Type of gen. func.: ogf

$$(22183806183069860734667 f(x) + 18477368262924078816000)$$

$$(6930 f(x) x^4 - 3083 f(x) x^3 + 509 f(x) x^2 - 37 f(x) x + f(x) - 1)$$

Sequence: A028225
Score: 7.11769
Type of gen. func.: lgdogf

$$-\frac{27720 x^3 - 9249 x^2 + 1018 x - 37}{(-1 + 9 x) (7 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A028225
Score: 8.41338
Type of gen. func.: ogf

$$\frac{1}{(-1 + 9 x) (7 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A028226
Score: 3.16867
Type of gen. func.: ogf

$$(638245333879939 f(x) + 506980627776000)$$

$$(7560 f(x) x^4 - 3306 f(x) x^3 + 535 f(x) x^2 - 38 f(x) x + f(x) - 1)$$

Sequence: A028226
Score: 7.01302
Type of gen. func.: lgdogf

$$-\frac{2 (15120 x^3 - 4959 x^2 + 535 x - 19)}{(12 x - 1) (-1 + 9 x) (7 x - 1) (10 x - 1)}$$

Sequence: A028226
Score: 8.41338
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (-1 + 9 x) (7 x - 1) (10 x - 1)}$$

Sequence: A028227
Score: 3.00927
Type of gen. func.: ogf

$$(29585587113889652339 f(x) + 22610795449696134912)$$

$$(8316 f(x) x^4 - 3561 f(x) x^3 + 563 f(x) x^2 - 39 f(x) x + f(x) - 1)$$

Sequence: A028227
Score: 7.09457
Type of gen. func.: lgdogf

$$- \frac{33264 x^3 - 10683 x^2 + 1126 x - 39}{(-1 + 9 x) (7 x - 1) (12 x - 1) (11 x - 1)}$$

Sequence: A028227
Score: 8.50898
Type of gen. func.: ogf

$$\frac{1}{(-1 + 9 x) (7 x - 1) (12 x - 1) (11 x - 1)}$$

Sequence: A028228
Score: 3.04309
Type of gen. func.: ogf

$$(52698347485563186179 f(x) + 39555073952279424000)$$

$$(9240 f(x) x^4 - 3854 f(x) x^3 + 593 f(x) x^2 - 40 f(x) x + f(x) - 1)$$

Sequence: A028228
Score: 7.17612
Type of gen. func.: lgdogf

$$2 (18480 x^3 - 5781 x^2 + 593 x - 20)$$

$$-\frac{}{(7 x - 1) (12 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A028228
Score: 8.60459
Type of gen. func.: ogf

$$\frac{1}{(7 x - 1) (12 x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A028230
Score: 11.4560
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - 14 x + 1}$$

Sequence: A028230
Score: 11.4588
Type of gen. func.: revogf

$$-\frac{-1 - 14 x + ((1 + 8 x) (24 x + 1))^{1/2}}{2 (x - 1)}$$

Sequence: A028230
Score: 16.6337
Type of gen. func.: lgdogf

$$-\frac{(x + 5) (x - 3)}{(x + 1) (x^2 - 14 x + 1)}$$

Sequence: A028230
Score: 6.27354
Type of gen. func.: ogf

$$\{-a(n + 2) + 14 a(n + 1) - a(n), a(0) = 1, a(1) = 15\}$$

Sequence: A028230
Score: 8.4823
Type of gen. func.: ogf

$$(208 f(x) + 17) (f(x) x^2 - 14 f(x) x + f(x) - x - 1)$$

Sequence: A028231
Score: 10.7963
Type of gen. func.: ogf

$$\frac{2 x^2 - 7 x - 1}{(x - 1) (x^2 - 14 x + 1)}$$

Sequence: A028231
Score: 5.39814
Type of gen. func.: ogf

$$-(561616 f(x) + 31589)$$

$$(f(x) x^3 - 15 f(x) x^2 + 15 f(x) x - 2 x^2 - f(x) + 7 x + 1)$$

Sequence: A028231
Score: 5.81338
Type of gen. func.: ogf

$\{-a(n + 3) + 15 a(n + 2) - 15 a(n + 1) + a(n), a(0) = 1, a(1) = 22, a(2) = 313\}$

Sequence: A028238
Score: 3.016
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A028240
Score: 3.68235
Type of gen. func.: ogf_with_Euler_transform]

$$2 x^{14} (16256 x^2 + 255 x + 16256)$$

Sequence: A028242
Score: 14.7219
Type of gen. func.: ogf

$$\frac{x^2 - x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A028242
Score: 26.0319
Type of gen. func.: lgdogf

$$- \frac{x (x^2 - x + 4)}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A028242
Score: 30.8706
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^2 + 2 x$$

Sequence: A028242
Score: 7.94723
Type of gen. func.: ogf

$$(25 f(x) - 89) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) + x - 1)$$

Sequence: A028242
Score: 8.09043
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 0, a(2) = 2\}$$

Sequence: A028243
Score: 11.6759
Type of gen. func.: ogf

$$-\frac{2x^2}{(x-1)(-1+3x)(2x-1)}$$

Sequence: A028243
Score: 13.2684
Type of gen. func.: lgdogf

$$-\frac{2(9x^2-11x+3)}{(x-1)(-1+3x)(2x-1)}$$

Sequence: A028243
Score: 4.83865
Type of gen. func.: ogf

$$\{a(n+3)-6a(n+2)+11a(n+1)-6a(n), a(0)=0, a(1)=0, a(2)=2\}$$

Sequence: A028243
Score: 6.54989
Type of gen. func.: ogf

$$6f(x)x^3-11f(x)x^2+6f(x)x+2x^2-f(x)$$

Sequence: A028244
Score: 11.0395
Type of gen. func.: lgdogf

$$-\frac{2(48x^3-75x^2+35x-5)}{(x-1)(-1+3x)(2x-1)(4x-1)}$$

Sequence: A028244
Score: 11.0953
Type of gen. func.: ogf

$$\frac{6 x^{3}}{(x - 1) (-1 + 3 x) (2 x - 1) (4 x - 1)}$$

Sequence: A028244
Score: 6.14012
Type of gen. func.: ogf

$$-24 f(x) x^{4} + 50 f(x) x^{3} - 35 f(x) x^{2} + 6 x^{3} + 10 f(x) x - f(x)$$

Sequence: A028245
Score: 4.10769
Type of gen. func.: ogf

$$120 f(x) x^{5} - 274 f(x) x^{4} + 225 f(x) x^{3} + 24 x^{4} - 85 f(x) x^{2} + 15 f(x) x - f(x)$$

Sequence: A028245
Score: 6.90091
Type of gen. func.: lgdogf

$$- \frac{600 x^{4} - 1096 x^{3} + 675 x^{2} - 170 x + 15}{(x - 1) (4 x - 1) (-1 + 3 x) (2 x - 1) (5 x - 1)}$$

Sequence: A028245
Score: 7.39383
Type of gen. func.: ogf

$$- \frac{24 x^{4}}{(x - 1) (4 x - 1) (-1 + 3 x) (2 x - 1) (5 x - 1)}$$

Sequence: A028249
Score: 14.3828
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{11} + 2 x^{5} + x^{3} + x^{2} + 1$$

Sequence: A028249
Score: 5.36325
Type of gen. func.: ogf

$$\frac{x^4 - x^2 + 1}{(x^2 - x + 1)\,(x^2 + x + 1)^2\,(x + 1)^2\,(x - 1)^4}$$

Sequence: A028249
Score: 6.69480
Type of gen. func.: lgdogf

$$-\frac{8x^9 + x^8 - 7x^7 + 3x^6 + 12x^5 - 2x^4 + 4x^3 + 3x^2 + x + 1}{(x - 1)\,(x + 1)\,(x^2 + x + 1)\,(x^2 - x + 1)\,(x^4 - x^2 + 1)}$$

Sequence: A028253
Score: 11.6238
Type of gen. func.: lgdogf

$$\frac{10x^4 - 27x^3 + 21x^2 - 3x + 1}{(x - 1)\,(5x^4 - 7x^3 + x^2 + x - 1)}$$

Sequence: A028253
Score: 8.50616
Type of gen. func.: ogf

$$-\frac{x^2\,(5x^4 - 7x^3 + x^2 + x - 1)}{(x - 1)^2}$$

Sequence: A028258
Score: 11.2572
Type of gen. func.: ogf

$$\frac{1}{(16x - 1)\,(8x - 1)\,(2x - 1)\,(4x - 1)}$$

Sequence: A028258
Score: 4.86108
Type of gen. func.: ogf

$$(13651 f(x) + 1024)$$

$$(1024 f(x) x^4 - 960 f(x) x^3 + 280 f(x) x^2 - 30 f(x) x + f(x) - 1)$$

Sequence: A028258
Score: 9.69386
Type of gen. func.: lgdogf

$$- \frac{2 (2048 x^3 - 1440 x^2 + 280 x - 15)}{(16 x - 1) (8 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A028270
Score: 11.6331
Type of gen. func.: ogf

$$-4 f(x)^2 x + f(x)^2 - x^2 - 2 x - 1$$

Sequence: A028270
Score: 30.9626
Type of gen. func.: lgdogf

$$\frac{2 x - 3}{(x + 1) (4 x - 1)}$$

Sequence: A028270
Score: 4.42059
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 3) + (9 + 3 n) a(n + 2) + (2 + 4 n) a(n + 1), a(0) = 1,$$

$$a(1) = 3, a(2) = 8\}$$

Sequence: A028283

Score: 10.8165
Type of gen. func.: ogf

$$4 f(x)^2 x - f(x)^2 + 4 x^2 + 4 x + 1$$

Sequence: A028283
Score: 26.2535
Type of gen. func.: lgdogf

$$\frac{4 (x - 1)}{(2 x + 1) (4 x - 1)}$$

Sequence: A028283
Score: 4.08306
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 3) + (8 + 2 n) a(n + 2) + (4 + 8 n) a(n + 1), a(0) = 1, a(1) = 4, a(2) = 10\}$$

Sequence: A028288
Score: 17.4693
Type of gen. func.: ogf_with_Euler_transform]

$$-x^7 + x^4 + x^3 + 2 x^2 + 1$$

Sequence: A028288
Score: 6.86798
Type of gen. func.: ogf

$$\frac{x^4 + 1}{(x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x - 1)^4}$$

Sequence: A028288
Score: 7.03511
Type of gen. func.: lgdogf

$$- (8 x^{10} + 9 x^9 + 10 x^8 + 9 x^7 + 21 x^6 + 19 x^5 + 19 x^4 + 13 x^3 + 9 x^2 + 2 x + 1$$

$$\Big) \Big/ \left((x - 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1) (x^4 + 1)\right)$$

Sequence: A028289
Score: 14.8634
Type of gen. func.: lgdogf

$$- \frac{9 x^3 + 10 x^2 + 4 x + 1}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A028289
Score: 26.0348
Type of gen. func.: ogf_with_Euler_transform]

$$2 x^2 + x + 1$$

Sequence: A028289
Score: 7.35422
Type of gen. func.: ogf

$$\frac{1}{(x + 1) (x^2 + x + 1)^2 (x - 1)^4}$$

Sequence: A028290
Score: 15.5052
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 + x^4 + x^2 + x + 1$$

Sequence: A028290
Score: 5.97554
Type of gen. func.: ogf

$$- \frac{1}{(x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1) (x^4 + 1) (x + 1)^2 (x - 1)^5}$$

Sequence: A028291
Score: 22.1809
Type of gen. func.: ogf_with_Euler_transform]

$$[x^4 + x^2 + x + 2]$$

Sequence: A028291
Score: 7.12487
Type of gen. func.: lgdogf

$$-\frac{(2 x^2 + 2 x + 1) (6 x^5 + 7 x^4 + 6 x^3 + 5 x^2 + 4 x + 2)}{(x - 1) (x + 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A028291
Score: 9.06666
Type of gen. func.: ogf

$$-\frac{1}{(x + 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^5}$$

Sequence: A028293
Score: 8.81816
Type of gen. func.: ogf

$$-\frac{(x^2 - x + 1) (x^4 + 3 x^3 + 3 x^2 + 3 x + 1)}{(x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A028294
Score: 6.54513
Type of gen. func.: ogf

$$\frac{9 x^5 - 31 x^4 - 49 x^3 + 176 x^2 + 14 x + 1}{(x - 1)^6}$$

Sequence: A028294
Score: 8.60545
Type of gen. func.: lgdogf

$$-\frac{9x^5 - 17x^4 - 271x^3 + 557x^2 + 422x + 20}{(x-1)(9x^5 - 31x^4 - 49x^3 + 176x^2 + 14x + 1)}$$

Sequence: A028309
Score: 15.7613
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{11} + x^3 + x^2 + x + 1$$

Sequence: A028309
Score: 8.64287
Type of gen. func.: ogf

$$-\frac{(x^2 - x + 1)(x^4 - x^2 + 1)}{(x+1)(x-1)^3}$$

Sequence: A028309
Score: 9.02686
Type of gen. func.: lgdogf

$$\frac{2x^7 - 3x^6 - 4x^5 + 4x^4 - 2x^3 - 2x - 1}{(x-1)(x+1)(x^2 - x + 1)(x^4 - x^2 + 1)}$$

Sequence: A028310
Score: 12.5891
Type of gen. func.: ogf

$$-f(x)\,x^2 + 2\,f(x)\,x + x^2 - f(x) - x + 1$$

Sequence: A028310
Score: 16.8646
Type of gen. func.: ogf

$$\frac{x^2 - x + 1}{(x - 1)^2}$$

Sequence: A028310
Score: 26.9970
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^2 + x + 1$$

Sequence: A028310
Score: 39.8508
Type of gen. func.: lgdogf

$$-\frac{x + 1}{(x - 1)(x^2 - x + 1)}$$

Sequence: A028310
Score: 8.76298
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A028322
Score: 10.8723
Type of gen. func.: ogf

$$-4 f(x)^2 x + f(x)^2 - 9 x^2 - 6 x - 1$$

Sequence: A028322
Score: 26.3916
Type of gen. func.: lgdogf

$$\frac{6 x - 5}{(3 x + 1) (4 x - 1)}$$

Sequence: A028322
Score: 4.07711
Type of gen. func.: ogf

$\{(n + 3) a(n + 3) + (-7 - n) a(n + 2) + (-6 - 12 n) a(n + 1), a(0) = 1,$

$a(1) = 5, a(2) = 12\}$

Sequence: A028329
Score: 13.8422
Type of gen. func.: ogf

$$-4 f(x)^2 x + f(x)^2 - 4$$

Sequence: A028329
Score: 25.4244
Type of gen. func.: revogf

$$\frac{(-x + (x^2 + 1)^{1/2}) x}{2}$$

Sequence: A028329
Score: 5.98940
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (6 + 4 n) a(n + 1), a(0) = 2, a(1) = 4\}$$

Sequence: A028329
Score: 61.0186
Type of gen. func.: lgdogf

$$-\frac{2}{4 x - 1}$$

Sequence: A028339
Score: 3.25653
Type of gen. func.: ogf

$$\{(-8 n^3 - 84 n^2 - 294 n - 343) a(n + 1) + (12 n^2 + 96 n + 193) a(n + 2) + (-6 n - 27) a(n + 3) + a(n + 4), a(0) = 1, a(1) = 9, a(2) = 86, a(3) = 950\}$$

Sequence: A028345
Score: 4.90384
Type of gen. func.: ogf

$$- \frac{2 x^8 + 2 x^7 + 15 x^6 + 19 x^5 + 9 x^4 + 9 x^3 + 4 x^2 - x + 1}{(x + 1) (x^2 + x + 1)^2 (x - 1)^5}$$

Sequence: A028346
Score: 10.1444
Type of gen. func.: ogf

$$\frac{1}{(x + 1)^2 (x - 1)^6}$$

Sequence: A028346
Score: 27.4094
Type of gen. func.: lgdogf

$$- \frac{4 (2 x + 1)}{(x - 1) (x + 1)}$$

Sequence: A028346
Score: 39.3480
Type of gen. func.: ogf_with_Euler_transform]

$$[4 + 2 x]$$

Sequence: A028346

Score: 6.16178
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) - 4 a(n + 2) + (-9 - n) a(n + 1), a(0) = 1, a(1) = 4, a(2) = 12\}$$

Sequence: A028347
Score: 14.4813
Type of gen. func.: ogf

$$\frac{x (3 x - 5)}{(x - 1)^3}$$

Sequence: A028347
Score: 36.9864
Type of gen. func.: lgdogf

$$- \frac{6 (x - 2)}{(x - 1) (3 x - 5)}$$

Sequence: A028347
Score: 7.11583
Type of gen. func.: ogf

$$-(508 f(x) - 5187) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 3 x^2 - f(x) + 5 x)$$

Sequence: A028347
Score: 7.36996
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 5, a(2) = 12\}$$

Sequence: A028350
Score: 3.70725
Type of gen. func.: ogf

$$\{(216 n^2 + 432 n + 210) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2), a(0) = -1, a(1) = 6\}$$

Sequence: A028350
Score: 7.91719
Type of gen. func.: ogf

$$-\mathrm{hypergeom}([-1/6, 1/6], [1/2], 108\, x)$$

Sequence: A028356
Score: 14.5310
Type of gen. func.: ogf

$$-\frac{2 x^3 + x^2 + x + 1}{(x - 1)\,(x + 1)\,(x^2 - x + 1)}$$

Sequence: A028356
Score: 14.9089
Type of gen. func.: lgdogf

$$-\frac{2\,(x^6 + x^5 + x^4 - x^3 + x^2 + x + 1)}{(x - 1)\,(x + 1)\,(x^2 - x + 1)\,(2 x^3 + x^2 + x + 1)}$$

Sequence: A028356
Score: 8.02112
Type of gen. func.: ogf

$$-(23 f(x) + 51)\,(f(x)\, x^4 - f(x)\, x^3 + 2 x^3 + f(x)\, x + x^2 - f(x) + x + 1)$$

Sequence: A028357
Score: 7.63238
Type of gen. func.: ogf

$$\frac{2 x^3 + x^2 + x + 1}{(x + 1)\,(x^2 - x + 1)\,(x - 1)^2}$$

Sequence: A028357
Score: 8.55439
Type of gen. func.: lgdogf

$$-\frac{4x^6 + 3x^5 + 3x^4 + x^3 + 3x^2 + 3x + 3}{(x - 1)(x + 1)(x^2 - x + 1)(2x^3 + x^2 + x + 1)}$$

Sequence: A028358
Score: 7.42714
Type of gen. func.: ogf

$$-\frac{2x^3 + x^2 + x + 1}{(x + 1)(x^2 - x + 1)(x - 1)^3}$$

Sequence: A028358
Score: 7.90324
Type of gen. func.: lgdogf

$$-\frac{2(3x^6 + 2x^5 + 2x^4 + 2x^3 + 2x^2 + 2x + 2)}{(x - 1)(x + 1)(x^2 - x + 1)(2x^3 + x^2 + x + 1)}$$

Sequence: A028359
Score: 4.32065
Type of gen. func.: ogf

$$\frac{10x^4 + 20x^3 + 12x^2 + 2x + 1}{(x - 1)(100x^3 - 1)(x^2 + x + 1)}$$

Sequence: A028375
Score: 6.26635
Type of gen. func.: ogf

$$-\frac{x^8 + 8x^7 + 40x^6 + 32x^5 + 38x^4 + 32x^3 + 40x^2 + 8x + 1}{\qquad}$$

$$(x \quad + 1) \quad (x + 1) \quad (x - 1)$$

Sequence: A028377
Score: 10.7290
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^3 + 3 x^2 + 2 x + 1}{x^6 - 3 x^4 + 3 x^2 - 1}$$

Sequence: A028379
Score: 4.84576
Type of gen. func.: ogf

$$\{(-4 n^2 - 22 n - 28) a(n + 1) + (n^2 + 7 n + 6) a(n + 2), a(0) = 0, a(1) = 6\}$$

Sequence: A028379
Score: 7.16166
Type of gen. func.: ogf

$$-f(x)^2 x^4 + 4 f(x) x^3 + 12 f(x) x^2 - 18 f(x) x - 4 x^2 + 4 f(x) - 24 x$$

Sequence: A028385
Score: 2.26219
Type of gen. func.: ogf

$$(f(x) - 1)^2 (-12972 x^3 + f(x) - 1)$$

Sequence: A028387
Score: 12.3710
Type of gen. func.: ogf

$$\frac{x^2 - 2 x - 1}{(x - 1)^3}$$

Sequence: A028387
Score: 23.8461
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2x - 5}{(x - 1)(x^2 - 2x - 1)}$$

Sequence: A028387
Score: 6.67813
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 5, a(2) = 11\}$$

Sequence: A028387
Score: 7.19724
Type of gen. func.: ogf

$$-(44 f(x) - 161) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 2 x + 1)$$

Sequence: A028390
Score: 7.62363
Type of gen. func.: lgdogf

$$-\frac{2 x^9 + 3 x^8 + 8 x^7 + 30 x^6 + 18 x^5 + 19 x^4 + 16 x^3 + 18 x^2 + 4 x + 2}{(x - 1)(x + 1)(x^2 + 1)(x^6 + x^5 + 2 x^4 + 6 x^3 + 2 x^2 + 2 x + 1)}$$

Sequence: A028390
Score: 9.56502
Type of gen. func.: ogf

$$\frac{x (x^6 + x^5 + 2 x^4 + 6 x^3 + 2 x^2 + 2 x + 1)}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A028399
Score: 13.6897

Type of gen. func.: ogf

$$-2 f(x) x^2 + 3 f(x) x - f(x) + 4 x$$

Sequence: A028399
Score: 18.1091
Type of gen. func.: ogf

$$\frac{4 x}{(2 x - 1) (x - 1)}$$

Sequence: A028399
Score: 18.8524
Type of gen. func.: revogf

$$-\frac{-4 - 3 x + (x^2 + 24 x + 16)^{1/2}}{4 x}$$

Sequence: A028399
Score: 29.9924
Type of gen. func.: lgdogf

$$-\frac{4 x - 3}{(2 x - 1) (x - 1)}$$

Sequence: A028399
Score: 8.27205
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 4\}$$

Sequence: A028400
Score: 4.89443
Type of gen. func.: ogf

$$-(153 f(x) + 1364)$$

$$(8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x + 18 x^2 - f(x) - 19 x + 4)$$

Sequence: A028400
Score: 5.28082
Type of gen. func.: ogf

$$\{-a(n+3) + 7\,a(n+2) - 14\,a(n+1) + 8\,a(n),\ a(0) = 4,\ a(1) = 9,\ a(2) = 25\}$$

Sequence: A028400
Score: 8.30242
Type of gen. func.: lgdogf

$$-\frac{144\,x^4 - 304\,x^3 + 236\,x^2 - 76\,x + 9}{(x - 1)\,(2\,x - 1)\,(4\,x - 1)\,(18\,x^2 - 19\,x + 4)}$$

Sequence: A028400
Score: 9.40647
Type of gen. func.: ogf

$$-\frac{18\,x^2 - 19\,x + 4}{(x - 1)\,(2\,x - 1)\,(4\,x - 1)}$$

Sequence: A028401
Score: 5.54765
Type of gen. func.: ogf

$$\{-a(n+3) + 7\,a(n+2) - 14\,a(n+1) + 8\,a(n),\ a(0) = 3,\ a(1) = 6,\ a(2) = 15\}$$

Sequence: A028401
Score: 6.87427
Type of gen. func.: ogf

$$-8\,f(x)\,x^3 + 14\,f(x)\,x^2 - 7\,f(x)\,x - 15\,x^2 + f(x) + 15\,x - 3$$

Sequence: A028401
Score: 9.38969
Type of gen. func.: lgdogf

$$-\frac{40 x^4 - 80 x^3 + 59 x^2 - 18 x + 2}{(x - 1) (2 x - 1) (4 x - 1) (5 x^2 - 5 x + 1)}$$

Sequence: A028401
Score: 9.88175
Type of gen. func.: ogf

$$-\frac{3 (5 x^2 - 5 x + 1)}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A028402
Score: 8.23755
Type of gen. func.: ogf

$$-(93 f(x) + 692) (8 f(x) x^2 - 6 f(x) x + f(x) + 16 x - 6)$$

Sequence: A028403
Score: 14.7597
Type of gen. func.: lgdogf

$$-\frac{24 x^2 - 16 x + 3}{(-1 + 3 x) (2 x - 1) (4 x - 1)}$$

Sequence: A028403
Score: 16.0244
Type of gen. func.: ogf

$$-\frac{4 (-1 + 3 x)}{(4 x - 1) (2 x - 1)}$$

Sequence: A028403
Score: 17.2900
Type of gen. func.: revogf

$$-2 - 3 x + (x^2 + 4)^{1/2}$$

```
 - ----------------------
        4 (2 x + 3)
```

Sequence: A028403
Score: 8.10025
Type of gen. func.: ogf

$$-(7 f(x) + 53) (8 f(x) x^{2} - 6 f(x) x + f(x) + 12 x - 4)$$

Sequence: A028403
Score: 8.88101
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 8 a(n), a(0) = 4, a(1) = 12\}$$

Sequence: A028425
Score: 10.1420
Type of gen. func.: ogf

$$-\frac{112 x^{16} - 112 x^{15} + 16 x^{4} - 16 x^{3} - 1}{(x - 1)^{2}}$$

Sequence: A028425
Score: 8.39035
Type of gen. func.: lgdogf

$$\frac{2 (784 x^{16} - 1624 x^{15} + 840 x^{14} + 16 x^{4} - 40 x^{3} + 24 x^{2} + 1)}{(x - 1) (112 x^{16} - 112 x^{15} + 16 x^{4} - 16 x^{3} - 1)}$$

Sequence: A028426
Score: 10.3767
Type of gen. func.: ogf

$$-\frac{225 x^{25} - 225 x^{24} + 25 x^{5} - 25 x^{4} - 1}{(x - 1)^{2}}$$

Sequence: A028426
Score: 8.32595
Type of gen. func.: lgdogf

$$\frac{5175 x^{25} - 10575 x^{24} + 5400 x^{23} + 75 x^{5} - 175 x^{4} + 100 x^{3} + 2}{(x - 1) (225 x^{25} - 225 x^{24} + 25 x^{5} - 25 x^{4} - 1)}$$

Sequence: A028429
Score: 14.2835
Type of gen. func.: ogf

$$- \frac{64 x^{8} - 64 x^{7} - 1}{(x - 1)^{2}}$$

Sequence: A028429
Score: 15.5903
Type of gen. func.: lgdogf

$$\frac{2 (192 x^{8} - 416 x^{7} + 224 x^{6} + 1)}{(x - 1) (64 x^{8} - 64 x^{7} - 1)}$$

Sequence: A028430
Score: 14.0479
Type of gen. func.: ogf

$$- \frac{81 x^{9} - 81 x^{8} - 1}{(x - 1)^{2}}$$

Sequence: A028430
Score: 15.6279
Type of gen. func.: lgdogf

$$567 x^{9} - 1215 x^{8} + 648 x^{7} + 2$$

$$(x - 1) (81 x^{9} - 81 x^{8} - 1)$$

Sequence: A028430
Score: 4.40864
Type of gen. func.: ogf

$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 4,$
$a(4) = 5, a(5) = 6, a(6) = 7, a(7) = 8, a(8) = 90, a(9) = 91\}$

Sequence: A028431
Score: 13.2500
Type of gen. func.: ogf

$$- \frac{100 x^{10} - 100 x^{9} - 1}{(x - 1)^{2}}$$

Sequence: A028431
Score: 14.1311
Type of gen. func.: lgdogf

$$\frac{2 (400 x^{10} - 850 x^{9} + 450 x^{8} + 1)}{(x - 1) (100 x^{10} - 100 x^{9} - 1)}$$

Sequence: A028434
Score: 10.4495
Type of gen. func.: ogf

$$- \frac{187 x^{16} - 199 x^{15} + x^{4} - x^{3} - 4}{(x - 1)^{2}}$$

Sequence: A028434
Score: 9.30438
Type of gen. func.: lgdogf

$$\frac{2618 x^{16} - 5579 x^{15} + 2985 x^{14} + 2 x^{4} - 5 x^{3} + 3 x^{2} + 8}{(x - 1) (187 x^{16} - 199 x^{15} + x^{4} - x^{3} - 4)}$$

Sequence: A028435
Score: 10.2032
Type of gen. func.: ogf

$$- \frac{489 x^{25} - 509 x^{24} + x^{5} - x^{4} - 5}{(x - 1)^{2}}$$

Sequence: A028438
Score: 14.4163
Type of gen. func.: ogf

$$- \frac{x^{8} - x^{7} - 8}{(x - 1)^{2}}$$

Sequence: A028438
Score: 19.6530
Type of gen. func.: lgdogf

$$\frac{6 x^{8} - 13 x^{7} + 7 x^{6} + 16}{(x - 1) (x^{8} - x^{7} - 8)}$$

Sequence: A028439
Score: 14.5563
Type of gen. func.: ogf

$$- \frac{x^{9} - x^{8} - 9}{(x - 1)^{2}}$$

Sequence: A028439

Score: 19.8476
Type of gen. func.: lgdogf

$$\frac{7 x^{9} - 15 x^{8} + 8 x^{7} + 18}{(x - 1) (x^{9} - x^{8} - 9)}$$

Sequence: A028439
Score: 4.25491
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 9, a(1) = 18, a(2) = 27, a(3) = 36, a(4) = 45, a(5) = 54, a(6) = 63, a(7) = 72, a(8) = 82, a(9) = 91\}$$

Sequence: A028440
Score: 13.8624
Type of gen. func.: ogf

$$- \frac{x^{10} - x^{9} - 10}{(x - 1)^{2}}$$

Sequence: A028440
Score: 18.2272
Type of gen. func.: lgdogf

$$\frac{8 x^{10} - 17 x^{9} + 9 x^{8} + 20}{(x - 1) (x^{10} - x^{9} - 10)}$$

Sequence: A028447
Score: 4.14480
Type of gen. func.: ogf

$$- (x^{8} + 3 x^{7} - 7 x^{6} - 16 x^{5} + 14 x^{4} + 16 x^{3} - 7 x^{2} - 3 x + 1) \Big/ ((x^{2} - x - 1) (x^{8} + 7 x^{7} - 13 x^{6} - 48 x^{5} + 28 x^{4} + 48 x^{3} - 13 x^{2} - 7 x + 1))$$

Sequence: A028455
Score: 5.14721
Type of gen. func.: ogf

$$-\frac{(x^3 - 4x + 1)(x^3 + 4x^2 - 1)}{x^8 + 8x^7 - 22x^6 - 60x^5 + 67x^4 + 60x^3 - 22x^2 - 8x + 1}$$

Sequence: A028456
Score: 5.28781
Type of gen. func.: ogf

$$-\frac{(x + 1)(x^4 - 16x^3 + 45x^2 - 16x + 1)}{(x - 1)(x^6 - 23x^5 - 50x^4 + 405x^3 - 50x^2 - 23x + 1)}$$

Sequence: A028468
Score: 4.22850
Type of gen. func.: ogf

$$-\frac{(x^2 - 2x - 1)(x^4 + 2x^3 - 3x^2 - 2x + 1)}{(x - 1)(x + 1)(x^3 + 6x^2 + 5x + 1)(x^3 - 5x^2 + 6x - 1)}$$

Sequence: A028477
Score: 7.12335
Type of gen. func.: ogf

$$-\frac{x^4 + 2x^3 - 4x^2 - 2x + 1}{(x^2 - 2x - 1)(x^4 + 6x^3 - 3x^2 - 6x + 1)}$$

Sequence: A028479
Score: 4.55744
Type of gen. func.: ogf

```
                    6       5       4       3       2
         (x + 1) (x  - 6 x  - 15 x  + 56 x  - 15 x  - 6 x + 1)
    - ----------------------------------------------------------------------
                  4       3       2               4      3       2
```

$$(x - 1) (x - 14 x + 34 x - 14 x + 1) (x + 8 x + 16 x + 8 x + 1)$$

Sequence: A028493
Score: 3.66707
Type of gen. func.: ogf

$$-(46648 f(x) - 1359395) (3 f(x) x^4 - 10 f(x) x^3 + 12 f(x) x^2 + 65 x^3 - 6 f(x) x - 131 x^2 + f(x) + 84 x - 16)$$

Sequence: A028493
Score: 6.89760
Type of gen. func.: ogf

$$- \frac{65 x^3 - 131 x^2 + 84 x - 16}{(-1 + 3 x) (x - 1)^3}$$

Sequence: A028493
Score: 7.65571
Type of gen. func.: lgdogf

$$- \frac{195 x^4 - 396 x^3 + 299 x^2 - 98 x + 12}{(x - 1) (-1 + 3 x) (65 x^3 - 131 x^2 + 84 x - 16)}$$

Sequence: A028494
Score: 15.6339
Type of gen. func.: lgdogf

$$- \frac{3 (x + 1) (x^2 - 6 x + 3)}{(x - 1) (3 x^3 - 12 x^2 + 5 x + 1)}$$

Sequence: A028494
Score: 4.39019
Type of gen. func.: ogf

$$(5238 f(x) + 22903) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 3 x^3 - 4 f(x) x + 12 x^2 + f(x) - 5 x - 1)$$

Sequence: A028494
Score: 8.16126
Type of gen. func.: ogf

$$\frac{3 x^3 - 12 x^2 + 5 x + 1}{(x - 1)^4}$$

Sequence: A028495
Score: 14.0002
Type of gen. func.: ogf

$$- \frac{(x - 1) (x + 1)}{x^3 - 2 x^2 - x + 1}$$

Sequence: A028495
Score: 17.0341
Type of gen. func.: lgdogf

$$- \frac{x^4 - 2 x^2 + 2 x + 1}{(x - 1) (x + 1) (x^3 - 2 x^2 - x + 1)}$$

Sequence: A028495
Score: 7.12512
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 2 a(n + 1) + a(n), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A028495
Score: 7.45806
Type of gen. func.: ogf

$$(8 f(x) - 3) (f(x) x^3 - 2 f(x) x^2 - f(x) x + x^2 + f(x) - 1)$$

Sequence: A028498
Score: 3.27428
Type of gen. func.: egf]

$$\frac{4\,(x^2+2)\,(x-1)^2}{(x^2-4\,x+2)^3}$$

Sequence: A028498
Score: 7.59431
Type of gen. func.: lgdegf]

$$-\frac{2\,(x^4+2\,x^2-8\,x+8)}{(x-1)\,(x^2+2)\,(x^2-4\,x+2)}$$

Sequence: A028552
Score: 12.3549
Type of gen. func.: ogf

$$\frac{2\,x\,(x-2)}{(x-1)^3}$$

Sequence: A028552
Score: 32.9911
Type of gen. func.: lgdogf

$$-\frac{-5+2\,x}{(x-1)\,(x-2)}$$

Sequence: A028552
Score: 6.28779
Type of gen. func.: ogf

$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 0,\ a(1) = 4,\ a(2) = 10\}$

Sequence: A028552
Score: 6.58161
Type of gen. func.: ogf

$$(5 f(x) + 8) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 2 x^2 - f(x) + 4 x)$$

Sequence: A028557
Score: 12.4885
Type of gen. func.: ogf

$$\frac{2 x (2 x - 3)}{(x - 1)^3}$$

Sequence: A028557
Score: 30.4533
Type of gen. func.: lgdogf

$$- \frac{-7 + 4 x}{(x - 1) (2 x - 3)}$$

Sequence: A028557
Score: 6.35576
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 6, a(2) = 14\}$$

Sequence: A028557
Score: 6.35577
Type of gen. func.: ogf

$$-(3 f(x) - 52) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 4 x^2 - f(x) + 6 x)$$

Sequence: A028560
Score: 13.3742
Type of gen. func.: ogf

$$x (5 x - 7)$$

$$(x-1)^3$$

Sequence: A028560
Score: 30.0312
Type of gen. func.: lgdogf

$$-\frac{2(-8+5x)}{(x-1)(5x-7)}$$

Sequence: A028560
Score: 6.51563
Type of gen. func.: ogf

$$-(860 f(x) - 23517) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 5 x^2 - f(x) + 7 x)$$

Sequence: A028560
Score: 6.80652
Type of gen. func.: ogf

$$\{a(n+3) - 3 a(n+2) + 3 a(n+1) - a(n), a(0) = 0, a(1) = 7, a(2) = 16\}$$

Sequence: A028563
Score: 16.7324
Type of gen. func.: ogf

$$\frac{2x(3x-4)}{(x-1)^3}$$

Sequence: A028563
Score: 39.2384
Type of gen. func.: lgdogf

$$-\frac{3(2x-3)}{(x-1)(3x-4)}$$

Sequence: A028563

Score: 8.29344
Type of gen. func.: ogf

$$-(67 f(x) - 2730) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 6 x^2 - f(x) + 8 x)$$

Sequence: A028563
Score: 8.51558
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 8, a(2) = 18\}$$

Sequence: A028566
Score: 13.0980
Type of gen. func.: ogf

$$\frac{x (7 x - 9)}{(x - 1)^3}$$

Sequence: A028566
Score: 28.2730
Type of gen. func.: lgdogf

$$-\frac{2 (-10 + 7 x)}{(x - 1) (7 x - 9)}$$

Sequence: A028566
Score: 6.32699
Type of gen. func.: ogf

$$-(1308 f(x) - 75911) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 7 x^2 - f(x) + 9 x)$$

Sequence: A028566
Score: 6.66594
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 9, a(2) = 20\}$$

Sequence: A028569
Score: 12.9382
Type of gen. func.: ogf

$$\frac{2 x (4 x - 5)}{(x - 1)^{3}}$$

Sequence: A028569
Score: 29.5571
Type of gen. func.: lgdogf

$$- \frac{-11 + 8 x}{(x - 1) (4 x - 5)}$$

Sequence: A028569
Score: 6.58258
Type of gen. func.: ogf

$$-(7 f(x) - 558) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x - 8 x^{2} - f(x) + 10 x)$$

Sequence: A028569
Score: 6.64082
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 10, a(2) = 22\}$$

Sequence: A028574
Score: 8.96479
Type of gen. func.: ogf

$$- \frac{1}{(8 x - 1) (2 x - 1) (4 x - 1) (16 x - 1)^{2}}$$

Sequence: A028574
Score: 9.06627
Type of gen. func.: lgdogf

$$\qquad ^{3} \qquad\qquad ^{2}$$

```
                        2 (2560 x  - 1888 x  + 392 x - 23)
                   - --------------------------------------
                     (16 x - 1) (8 x - 1) (2 x - 1) (4 x - 1)


------------------------------------------------------------------------------

Sequence:  A028575
Score: 6.89401
Type of gen. func.: lgdegf]


(-25 n - 45) a(n + 1) + (10 n + 24) a(n + 2) + (-n - 3) a(n + 3), a(0) = 5,

    a(1) = 24, a(2) = 118



------------------------------------------------------------------------------

Sequence:  A028723
Score: 18.6382
Type of gen. func.: lgdogf


                                  3      2
                            3 (2 x  + 3 x  + 4 x + 1)
                         - ----------------------------
                                             2
                           (x - 1) (x + 1) (x  + x + 1)



------------------------------------------------------------------------------

Sequence:  A028723
Score: 32.4669
Type of gen. func.: ogf_with_Euler_transform]


                                   2
                                 -x  + 3 x + 3



------------------------------------------------------------------------------

Sequence:  A028723
Score: 4.41206
Type of gen. func.: ogf


    2                                     2
{(-n  - n) a(n) + (-2 n + 2) a(n + 1) + (n  - 5 n + 6) a(n + 2), a(0) = 0,

    a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 1}



------------------------------------------------------------------------------

Sequence:  A028723
Score: 8.08150
Type of gen. func.: ogf


                                  5   2
                                 x  (x  + x + 1)
                              - -------------------
                                       3        5
```

$$(x + 1)\ (x - 1)$$

Sequence: A028724
Score: 18.7448
Type of gen. func.: lgdogf

$$-\frac{5 x^3 + 7 x^2 + 10 x + 2}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A028724
Score: 32.0786
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + 3 x + 2$$

Sequence: A028724
Score: 4.15477
Type of gen. func.: ogf

$$\{(-n^3 - n^2) a(n) + (-n^2 + n - 2) a(n + 1) + (n^3 - 4 n^2 + 5 n - 2) a(n + 2),$$

$$a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 1\}$$

Sequence: A028724
Score: 7.98045
Type of gen. func.: ogf

$$\frac{x^4 (x^2 + x + 1)}{(x + 1)^3 (x - 1)^4}$$

Sequence: A028725
Score: 5.09410
Type of gen. func.: ogf

$$\frac{x^6 (x^4 + 2 x^3 + 4 x^2 + 2 x + 1)}{\qquad{}^{5}\qquad\quad{}^{6}}$$

$(x + 1) (x - 1)$

Sequence: A028725
Score: 8.17472
Type of gen. func.: lgdogf

$$-\frac{7 x^{5} + 17 x^{4} + 42 x^{3} + 30 x^{2} + 21 x + 3}{(x - 1) (x + 1) (x^{4} + 2 x^{3} + 4 x^{2} + 2 x + 1)}$$

Sequence: A028762
Score: 3.82126
Type of gen. func.: ogf

$$\frac{x^{3} + x^{2} + 2 x + 3}{(x^{2} + 1) (x + 1) (x - 1)^{2}}$$

Sequence: A028813
Score: 5.03200
Type of gen. func.: ogf

$$- (2 x^{28} - x^{27} - x^{26} - x^{24} + x^{23} + x^{22} - x^{21} + x^{20} - x^{18} - x^{9} - x^{8} - x^{6} + x^{4} - x - 2) / ((x + 1) (x^{8} + 1) (x - 1)^{2})$$

Sequence: A028814
Score: 11.3938
Type of gen. func.: ogf

$$-\frac{2 x - 1}{(4 x - 1) (x - 1)^{3}}$$

Sequence: A028814
Score: 15.5124
Type of gen. func.: lgdogf

$$-\frac{24 x^{2} - 20 x + 5}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A028814
Score: 3.55351
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-26 - 7 n) a(n + 3) + (48 + 14 n) a(n + 2) + (-32 - 8 n) a(n + 1), a(0) = 1, a(1) = 5, a(2) = 20, a(3) = 78\}$$

Sequence: A028814
Score: 5.31711
Type of gen. func.: ogf

$$-(58861 f(x) - 13664) (4 f(x) x^{4} - 13 f(x) x^{3} + 15 f(x) x^{2} - 7 f(x) x + f(x) + 2 x - 1)$$

Sequence: A028830
Score: 2.09082
Type of gen. func.: ogf

$$(12 f(x) - 23) (f(x) x^{2} - 2 f(x) x + f(x) - 1)^{2}$$

Sequence: A028831
Score: 4.06481
Type of gen. func.: ogf

$$-(1499 f(x) - 20798) (f(x) x^{4} + f(x) x^{3} + f(x) x^{2} + f(x) x + 3 x^{2} - f(x) + 2 x + 1)$$

Sequence: A028831
Score: 8.24745
Type of gen. func.: ogf

$$-\frac{3 x^{2} + 2 x + 1}{{}^{4} \quad {}^{3} \quad {}^{2}}$$

$x + x + x + x - 1$

Sequence: A028831
Score: 8.68132
Type of gen. func.: lgdogf

$$-\frac{6 x^5 + 9 x^4 + 8 x^3 + 2 x^2 + 8 x + 3}{(3 x^2 + 2 x + 1) (x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A028835
Score: 10.6674
Type of gen. func.: lgdogf

$$-\frac{2 x^7 + 6 x^6 + 10 x^5 + 10 x^4 + 23 x^3 + 11 x^2 + 7 x + 3}{(x - 1) (x + 1) (x^2 + 1) (2 x^4 + 2 x^3 + 2 x^2 + x + 2)}$$

Sequence: A028835
Score: 12.9662
Type of gen. func.: ogf

$$\frac{2 x^4 + 2 x^3 + 2 x^2 + x + 2}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A028836
Score: 11.1523
Type of gen. func.: lgdogf

$$-\frac{x^7 + 9 x^6 + 11 x^5 + 11 x^4 + 16 x^3 + 16 x^2 + 6 x + 2}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 4 x^3 + 2 x^2 + x + 1)}$$

Sequence: A028836
Score: 12.9662
Type of gen. func.: ogf

$$\frac{x^4 + 4 x^3 + 2 x^2 + x + 1}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A028837
Score: 13.8939
Type of gen. func.: ogf

$$\frac{5 x^2 + 3 x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A028837
Score: 14.3302
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^4 + 7 x^3 + 6 x^2 + 7 x + 2)}{(x - 1) (x^2 + x + 1) (5 x^2 + 3 x + 1)}$$

Sequence: A028837
Score: 5.07502
Type of gen. func.: ogf

$\{(9 n + 32) a(n + 1) + 9 a(n + 2) + 9 a(n + 3) + (-9 n - 23) a(n + 4), a(0) = 1,$

$a(1) = 4, a(2) = 9, a(3) = 10\}$

Sequence: A028837
Score: 6.89048
Type of gen. func.: ogf

$$-(12501 f(x) + 66164) (f(x) x^4 - f(x) x^3 - f(x) x - 5 x^2 + f(x) - 3 x - 1)$$

Sequence: A028841
Score: 10.4375
Type of gen. func.: ogf

5   4   3   2

```
 x  + 3 x  + 2 x  + x  + x + 1
-------------------------------
  4    3    2                2
(x  + x  + x  + x + 1) (x - 1)
```

Sequence: A028841
Score: 7.98505
Type of gen. func.: lgdogf

$$-\frac{x^9+7x^8+10x^7+10x^6+12x^5+18x^4+17x^3+9x^2+4x+2}{(x-1)(x^4+x^3+x^2+x+1)(x^5+3x^4+2x^3+x^2+x+1)}$$

Sequence: A028844
Score: 7.00444
Type of gen. func.: lgdegf]

$$(-36n-66)\,a(n+1)+(12n+29)\,a(n+2)+(-n-3)\,a(n+3),\ a(0)=6,$$

$$a(1)=35,\ a(2)=415/2$$

Sequence: A028859
Score: 10.6370
Type of gen. func.: ogf

$$\{a(n+2)-2\,a(n+1)-2\,a(n),\ a(0)=1,\ a(1)=3\}$$

Sequence: A028859
Score: 11.3277
Type of gen. func.: ogf

$$f(x)\,(2\,f(x)\,x^2+2\,f(x)\,x-f(x)+x+1)$$

Sequence: A028859
Score: 19.3830
Type of gen. func.: ogf

$$-\frac{x+1}{2x^2+2x-1}$$

Sequence: A028859
Score: 19.5113
Type of gen. func.: revogf

$$\frac{-1 - 2 x + ((2 x + 1) (6 x + 1))^{1/2}}{2 (2 x + 1)}$$

Sequence: A028859
Score: 25.2499
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 4 x + 3}{(x + 1) (2 x^2 + 2 x - 1)}$$

Sequence: A028860
Score: 12.2312
Type of gen. func.: revogf

$$-\frac{-1 + 2 x + ((2 x + 1) (6 x + 1))^{1/2}}{2 (2 x + 3)}$$

Sequence: A028860
Score: 12.3777
Type of gen. func.: ogf

$$-\frac{-1 + 3 x}{2 x^2 + 2 x - 1}$$

Sequence: A028860
Score: 14.8758
Type of gen. func.: lgdogf

$$-\frac{6 x^2 - 4 x + 1}{(-1 + 3 x) (2 x^2 + 2 x - 1)}$$

Sequence: A028860
Score: 6.79265
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) - 2 a(n), a(0) = -1, a(1) = 1\}$$

Sequence: A028860
Score: 9.11216
Type of gen. func.: ogf

$$-(2 f(x) + 1) (2 f(x) x^2 + 2 f(x) x - f(x) + 3 x - 1)$$

Sequence: A028872
Score: 12.4341
Type of gen. func.: ogf

$$\frac{2 x^2 - 3 x - 1}{(x - 1)^3}$$

Sequence: A028872
Score: 22.5175
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 - x - 3)}{(x - 1) (2 x^2 - 3 x - 1)}$$

Sequence: A028872
Score: 6.53861
Type of gen. func.: ogf

$$(492 f(x) - 3859) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 2 x^2 - f(x) + 3 x + 1)$$

Sequence: A028872
Score: 6.71221

Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 6, a(2) = 13\}$$

Sequence: A028875
Score: 12.9980
Type of gen. func.: ogf

$$\frac{4 x^2 - 11 x + 5}{(x - 1)^3}$$

Sequence: A028875
Score: 26.7321
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4 x - 11}{(x - 1) (x^2 + x - 4)}$$

Sequence: A028875
Score: 6.71564
Type of gen. func.: ogf

$$-(172 f(x) - 823) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 4 x^2 - f(x) + 11 x - 5)$$

Sequence: A028875
Score: 7.19532
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = -5, a(1) = -4, a(2) = -1\}$$

Sequence: A028878
Score: 12.6234
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x - 3)}{(x - 1)^3}$$

Sequence: A028878
Score: 22.8676
Type of gen. func.: lgdogf

$$-\frac{2(x^2+x-5)}{(x-1)(2x-3)(x+1)}$$

Sequence: A028878
Score: 6.63819
Type of gen. func.: ogf

$$(116 f(x) - 1995)(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 2 x^2 - f(x) + x + 3)$$

Sequence: A028878
Score: 6.75465
Type of gen. func.: ogf

$$\{a(n+3) - 3 a(n+2) + 3 a(n+1) - a(n), a(0) = 3, a(1) = 10, a(2) = 19\}$$

Sequence: A028881
Score: 12.5603
Type of gen. func.: ogf

$$\frac{3x^2-3x-2}{(x-1)^3}$$

Sequence: A028881
Score: 24.2187
Type of gen. func.: lgdogf

$$-\frac{3(x^2-3)}{(x-1)(3x^2-3x-2)}$$

Sequence: A028881
Score: 6.66243
Type of gen. func.: ogf

$$(92 f(x) - 1885) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 3 x^2 - f(x) + 3 x + 2)$$

Sequence: A028881
Score: 6.78035
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2, a(1) = 9, a(2) = 18\}$$

Sequence: A028884
Score: 12.5603
Type of gen. func.: ogf

$$\frac{4 x^2 - 5 x - 1}{(x - 1)^3}$$

Sequence: A028884
Score: 21.4508
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^2 - x - 4)}{(x - 1) (4 x^2 - 5 x - 1)}$$

Sequence: A028884
Score: 6.54854
Type of gen. func.: ogf

$$(844 f(x) - 20149) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 4 x^2 - f(x) + 5 x + 1)$$

Sequence: A028884
Score: 6.78035
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 8, a(2) = 17\}$

Sequence: A028892
Score: 5.29738
Type of gen. func.: ogf

$$-2 f(x) x^4 - 2 f(x) x^3 + 3 f(x) x^2 - x^3 + f(x) x + 2 x^2 - f(x) + x - 1$$

Sequence: A028892
Score: 7.91166
Type of gen. func.: ogf

$$-\frac{x^3 - 2 x^2 - x + 1}{(2 x^2 - 1) (x^2 + x - 1)}$$

Sequence: A028892
Score: 8.68120
Type of gen. func.: lgdogf

$$-\frac{x (2 x^5 - 8 x^4 - 7 x^3 + 6 x^2 + 4 x - 2)}{(2 x^2 - 1) (x^2 + x - 1) (x^3 - 2 x^2 - x + 1)}$$

Sequence: A028895
Score: 10.7589
Type of gen. func.: ogf

$$f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 5 x$$

Sequence: A028895
Score: 18.4097
Type of gen. func.: ogf

$$-\frac{5 x}{(x - 1)^3}$$

Sequence: A028895
Score: 7.39676
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 5, a(2) = 15\}$$

Sequence: A028895
Score: 93.2632
Type of gen. func.: lgdogf

$$-\frac{3}{x - 1}$$

Sequence: A028896
Score: 16.4822
Type of gen. func.: ogf

$$-\frac{6 x}{(x - 1)^3}$$

Sequence: A028896
Score: 6.62233
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 6, a(2) = 18\}$$

Sequence: A028896
Score: 9.63248
Type of gen. func.: ogf

$$f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 6 x$$

Sequence: A028896
Score: 91.2936
Type of gen. func.: lgdogf

$$-\frac{3}{\quad}$$

$$x - 1$$

Sequence: A028898
Score: 7.39148
Type of gen. func.: ogf

$$-\frac{x\,(6\,x^9 - x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 1)}{(x + 1)\,(x^4 + x^3 + x^2 + x + 1)\,(x^4 - x^3 + x^2 - x + 1)\,(x - 1)^2}$$

Sequence: A028899
Score: 7.40415
Type of gen. func.: ogf

$$-\frac{x\,(5\,x^9 - x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 1)}{(x + 1)\,(x^4 + x^3 + x^2 + x + 1)\,(x^4 - x^3 + x^2 - x + 1)\,(x - 1)^2}$$

Sequence: A028900
Score: 7.38152
Type of gen. func.: ogf

$$-\frac{x\,(4\,x^9 - x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 1)}{(x + 1)\,(x^4 + x^3 + x^2 + x + 1)\,(x^4 - x^3 + x^2 - x + 1)\,(x - 1)^2}$$

Sequence: A028901
Score: 7.28915
Type of gen. func.: ogf

$$-\frac{x\,(3\,x^9 - x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 1)}{(x + 1)\,(x^4 + x^3 + x^2 + x + 1)\,(x^4 - x^3 + x^2 - x + 1)\,(x - 1)^2}$$

Sequence: A028902
Score: 7.32386
Type of gen. func.: ogf

$$-\frac{x\,(2\,x^{9} - x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 1)}{(x + 1)\,(x^{4} + x^{3} + x^{2} + x + 1)\,(x^{4} - x^{3} + x^{2} - x + 1)\,(x - 1)^{2}}$$

Sequence: A028903
Score: 7.35857
Type of gen. func.: ogf

$$-\frac{x\,(x^{9} - x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 1)}{(x + 1)\,(x^{4} + x^{3} + x^{2} + x + 1)\,(x^{4} - x^{3} + x^{2} - x + 1)\,(x - 1)^{2}}$$

Sequence: A028917
Score: 5.25569
Type of gen. func.: ogf

$$\{(-27\,n^{3} - 216\,n^{2} - 564\,n - 480)\,a(n + 1) + a(n + 2),\ a(0) = 1,\ a(1) = 105\}$$

Sequence: A028918
Score: 5.36565
Type of gen. func.: ogf

$$\{(-27\,n^{3} - 216\,n^{2} - 555\,n - 450)\,a(n + 1) + a(n + 2),\ a(0) = 3,\ a(1) = 252\}$$

Sequence: A028919
Score: 14.0458
Type of gen. func.: ogf

$$\frac{2\,x\,(x^{3} + x^{2} + 2\,x + 3)}{(x^{2} + 1)\,(x + 1)\,(x - 1)^{2}}$$

Sequence: A028991
Score: 8.61942
Type of gen. func.: ogf

$$19\,x^{4} + 20\,x^{3} + 64\,x^{2} + 8\,x + 1$$

$$-\frac{}{(x+1)^2\,(x-1)^3}$$

Sequence: A028991
Score: 9.01726
Type of gen. func.: lgdogf

$$-\frac{19\,x^5+59\,x^4+288\,x^3+156\,x^2+141\,x+9}{(x-1)\,(x+1)\,(19\,x^4+20\,x^3+64\,x^2+8\,x+1)}$$

Sequence: A028992
Score: 11.1225
Type of gen. func.: lgdogf

$$-\frac{6\,x^4+93\,x^3+83\,x^2+131\,x+23}{(x-1)\,(x+1)\,(3\,x^3+30\,x^2+11\,x+12)}$$

Sequence: A028992
Score: 8.69414
Type of gen. func.: ogf

$$-\frac{2\,x\,(3\,x^3+30\,x^2+11\,x+12)}{(x+1)^2\,(x-1)^3}$$

Sequence: A028993
Score: 11.3821
Type of gen. func.: ogf

$$-\frac{7\,x^2+24\,x+1}{(x-1)^3}$$

Sequence: A028993
Score: 18.6795
Type of gen. func.: lgdogf

$$-\frac{7x^2+62x+27}{(x-1)(7x^2+24x+1)}$$

Sequence: A028993
Score: 6.19028
Type of gen. func.: ogf

$$\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0)=1, a(1)=27, a(2)=85\}$$

Sequence: A028993
Score: 6.84967
Type of gen. func.: ogf

$$(267648 f(x) - 3765773)$$

$$(f(x)x^3-3f(x)x^2+3f(x)x+7x^2-f(x)+24x+1)$$

Sequence: A028994
Score: 12.2326
Type of gen. func.: ogf

$$-\frac{2x(11x+5)}{(x-1)^3}$$

Sequence: A028994
Score: 26.3234
Type of gen. func.: lgdogf

$$-\frac{2(13+11x)}{(11x+5)(x-1)}$$

Sequence: A028994
Score: 6.38691
Type of gen. func.: ogf

$$\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0)=0, a(1)=10, a(2)=52\}$$

Sequence: A028994
Score: 6.92688
Type of gen. func.: ogf

$$(148864 f(x) - 1523781) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 22 x^2 - f(x) + 10 x)$$

Sequence: A029000
Score: 10.1929
Type of gen. func.: lgdogf

$$- \frac{12 x^5 + x^4 + 3 x^3 + 4 x^2 + 3 x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A029000
Score: 24.8840
Type of gen. func.: ogf_with_Euler_transform]

$$x^5 + x^2 + x + 1$$

Sequence: A029000
Score: 8.24782
Type of gen. func.: ogf

$$\frac{1}{(x^2 - x + 1) (x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4}$$

Sequence: A029001
Score: 19.7079
Type of gen. func.: ogf_with_Euler_transform]

$$x^6 + x^2 + x + 1$$

Sequence: A029001
Score: 5.69874

Type of gen. func.: lgdogf

$$-\frac{13x^9+27x^8+31x^7+25x^6+18x^5+18x^4+18x^3+12x^2+5x+1}{(x-1)(x+1)(x^2+x+1)(x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A029001
Score: 6.05394
Type of gen. func.: ogf

$$\frac{1}{(x+1)(x^2+x+1)(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^4}$$

Sequence: A029002
Score: 20.1667
Type of gen. func.: ogf_with_Euler_transform]

$$x^7+x^2+x+1$$

Sequence: A029002
Score: 6.13720
Type of gen. func.: ogf

$$\frac{1}{(x^2+1)(x^2+x+1)(x^4+1)(x+1)^2(x-1)^4}$$

Sequence: A029002
Score: 6.59906
Type of gen. func.: lgdogf

$$-\frac{14x^9+15x^8+18x^7+8x^6+10x^5+8x^4+10x^3+8x^2+4x+1}{(x-1)(x+1)(x^2+1)(x^2+x+1)(x^4+1)}$$

Sequence: A029003
Score: 27.8894
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^2 + x + 1$$

Sequence: A029003
Score: 8.71621
Type of gen. func.: ogf

$$\frac{1}{(x + 1)\,(x^6 + x^3 + 1)\,(x^2 + x + 1)^2\,(x - 1)^4}$$

Sequence: A029003
Score: 9.86245
Type of gen. func.: lgdogf

$$- \frac{15 x^9 + 16 x^8 + 4 x^7 + 7 x^6 + 7 x^5 + 4 x^4 + 7 x^3 + 7 x^2 + 4 x + 1}{(x - 1)\,(x + 1)\,(x^2 + x + 1)\,(x^6 + x^3 + 1)}$$

Sequence: A029004
Score: 19.9308
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^2 + x + 1$$

Sequence: A029004
Score: 5.95614
Type of gen. func.: ogf

$$1/((x^2 + x + 1)\,(x^4 + x^3 + x^2 + x + 1)\,(x^4 - x^3 + x^2 - x + 1)\,(x + 1)^2\,(x - 1)^4)$$

Sequence: A029005
Score: 24.4821
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^2 + x + 1$$

Sequence: A029005
Score: 7.81211
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^4)$$

Sequence: A029006
Score: 19.2302
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^2 + x + 1$$

Sequence: A029006
Score: 5.48352
Type of gen. func.: lgdogf

$$- (18 x^{11} + x^{10} + 3 x^9 + 4 x^8 + 3 x^7 + x^6 + 6 x^5 + x^4 + 3 x^3 + 4 x^2 + 3 x + 1) / ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x^4 - x^2 + 1))$$

Sequence: A029006
Score: 6.14223
Type of gen. func.: ogf

$$\frac{1}{(x^2 + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4}$$

Sequence: A029007
Score: 17.9865
Type of gen. func.: ogf_with_Euler_transform]

$$[x^4 + x^3 + x + 1]$$

Sequence: A029007
Score: 6.68955
Type of gen. func.: ogf

$$\frac{1}{(x^2+1)\,(x^4+x^3+x^2+x+1)\,(x+1)^2\,(x-1)^4}$$

Sequence: A029007
Score: 7.50928
Type of gen. func.: lgdogf

$$-\frac{12\,x^7+13\,x^6+16\,x^5+17\,x^4+12\,x^3+5\,x^2+4\,x+1}{(x-1)\,(x+1)\,(x^2+1)\,(x^4+x^3+x^2+x+1)}$$

Sequence: A029008
Score: 19.9308
Type of gen. func.: ogf_with_Euler_transform]

$$x^6+x^3+x+1$$

Sequence: A029008
Score: 4.93381
Type of gen. func.: ogf

$$\frac{1}{(x^2+1)\,(x^6+x^5+x^4+x^3+x^2+x+1)\,(x+1)^2\,(x-1)^4}$$

Sequence: A029008
Score: 5.92187
Type of gen. func.: lgdogf

$$-\frac{14\,x^9+15\,x^8+18\,x^7+19\,x^6+12\,x^5+12\,x^4+12\,x^3+5\,x^2+4\,x+1}{(x-1)\,(x+1)\,(x^2+1)\,(x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A029009
Score: 20.1528
Type of gen. func.: ogf_with_Euler_transform]

$$x^{8} + x^{3} + x + 1$$

Sequence: A029009
Score: 4.64174
Type of gen. func.: ogf

$$\frac{1}{(x^{2} + 1) (x^{2} + x + 1) (x^{6} + x^{3} + 1) (x + 1)^{2} (x - 1)^{4}}$$

Sequence: A029009
Score: 5.39408
Type of gen. func.: lgdogf

$$- (16 x^{11} + 17 x^{10} + 20 x^{9} + 21 x^{8} + 12 x^{7} + 12 x^{6} + 12 x^{5} + 12 x^{4} + 12 x^{3} + 5 x^{2} + 4 x + 1) / ((x - 1) (x + 1) (x^{2} + 1) (x^{2} + x + 1) (x^{6} + x^{3} + 1))$$

Sequence: A029010
Score: 26.8085
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^{3} + x + 1$$

Sequence: A029010
Score: 6.31003
Type of gen. func.: ogf

$$1/((x^{2} + 1) (x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x + 1)^{2} (x - 1)^{4})$$

Sequence: A029011
Score: 17.5844
Type of gen. func.: egf]_with_Euler_transform]

$$[1 + x + 1/24\, x^{4} + 1/120\, x^{5}]$$

Sequence: A029011
Score: 7.42099
Type of gen. func.: lgdogf

$$-\frac{14\, x^{9} + 15\, x^{8} + 18\, x^{7} + 19\, x^{6} + 22\, x^{5} + 14\, x^{4} + 8\, x^{3} + 5\, x^{2} + 4\, x + 1}{(x - 1)\, (x + 1)\, (x^{2} + x + 1)\, (x^{2} - x + 1)\, (x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A029011
Score: 8.73740
Type of gen. func.: ogf

$$\frac{1}{(x^{2} + x + 1)\, (x^{2} - x + 1)\, (x^{4} + x^{3} + x^{2} + x + 1)\, (x + 1)^{2}\, (x - 1)^{4}}$$

Sequence: A029012
Score: 20.1528
Type of gen. func.: ogf_with_Euler_transform]

$$x^{6} + x^{4} + x + 1$$

Sequence: A029012
Score: 6.07646
Type of gen. func.: ogf

$$\frac{1}{(x + 1)\, (x^{4} + x^{3} + x^{2} + x + 1)\, (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)\, (x - 1)^{4}}$$

Sequence: A029013
Score: 20.4932

Type of gen. func.: ogf_with_Euler_transform]

$$x^7 + x^4 + x + 1$$

Sequence: A029013
Score: 5.03417
Type of gen. func.: ogf

$$\frac{1}{(x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A029013
Score: 5.35329
Type of gen. func.: lgdogf

$$- (16 x^{11} + 17 x^{10} + 20 x^9 + 21 x^8 + 24 x^7 + 14 x^6 + 16 x^5 + 14 x^4 + 8 x^3 + 5 x^2 + 4 x + 1) / ((x - 1) (x + 1) (x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 + 1))$$

Sequence: A029014
Score: 20.3740
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^4 + x + 1$$

Sequence: A029014
Score: 4.82616
Type of gen. func.: ogf

$$\frac{1}{(x + 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^4}$$

Sequence: A029015
Score: 24.1055

Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^4 + x + 1$$

Sequence: A029015
Score: 5.83661
Type of gen. func.: ogf

$$1/((x + 1) (x^4 + x^3 + x^2 + x + 1)$$

$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^4)$$

Sequence: A029016
Score: 19.5435
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^4 + x + 1$$

Sequence: A029016
Score: 4.73589
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1)$$

$$(x + 1)^2 (x - 1)^4)$$

Sequence: A029017
Score: 20.3740
Type of gen. func.: ogf_with_Euler_transform]

$$x^6 + x^5 + x + 1$$

Sequence: A029017
Score: 6.62414
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x + 1)^2 (x - 1)^4$$

)

Sequence: A029018
Score: 20.1357
Type of gen. func.: ogf_with_Euler_transform]

$$x^{8} + x^{5} + x + 1$$

Sequence: A029018
Score: 5.05879
Type of gen. func.: ogf

$$\frac{1}{(x^{2} - x + 1)\,(x^{6} + x^{3} + 1)\,(x^{2} + x + 1)^{2}\,(x + 1)^{2}\,(x - 1)^{4}}$$

Sequence: A029018
Score: 5.76951
Type of gen. func.: lgdogf

$$- (18\,x^{11} + x^{10} + 3\,x^{9} + 19\,x^{8} + 4\,x^{7} + 4\,x^{6} + 10\,x^{5} + 4\,x^{4} + 4\,x^{3} + x^{2} + 3\,x + 1) \Big/ ((x - 1)\,(x + 1)\,(x^{2} + x + 1)\,(x^{2} - x + 1)\,(x^{6} + x^{3} + 1))$$

Sequence: A029019
Score: 19.7562
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^{5} + x + 1$$

Sequence: A029019
Score: 4.65482
Type of gen. func.: ogf

$$1/((x^{2} + x + 1)\,(x^{2} - x + 1)\,(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)\,(x + 1)^{2}\,(x - 1)^{4})$$

Sequence: A029020
Score: 20.1357
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 + x^6 + x + 1$$

Sequence: A029020
Score: 6.54667
Type of gen. func.: ogf

$$\frac{1}{(x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A029021
Score: 20.3549
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^6 + x + 1$$

Sequence: A029021
Score: 6.08062
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + x + 1) (x^6 + x^3 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^4)$$

Sequence: A029022
Score: 20.3549
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^6 + x + 1$$

Sequence: A029022
Score: 5.07480

Type of gen. func.: ogf

$$1/((x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x + 1)^2 (x - 1)^4)$$

Sequence: A029023
Score: 24.2048
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^6 + x + 1$$

Sequence: A029023
Score: 5.65949
Type of gen. func.: ogf

$$1/((x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^4)$$

Sequence: A029024
Score: 19.4076
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^6 + x + 1$$

Sequence: A029024
Score: 4.54136
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x + 1)^2 (x - 1)^4)$$

Sequence: A029025
Score: 20.2352
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^7 + x + 1$$

Sequence: A029025
Score: 6.77757
Type of gen. func.: ogf

$$\frac{1}{(x^2 + 1)\,(x^2 + x + 1)\,(x^6 + x^3 + 1)\,(x^4 + 1)\,(x + 1)^2\,(x - 1)^4}$$

Sequence: A029026
Score: 19.8514
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^7 + x + 1$$

Sequence: A029026
Score: 4.91396
Type of gen. func.: ogf

$$1/((x^2 + 1)\,(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\,(x^4 + 1)\,(x + 1)^2\,(x - 1)^4)$$

Sequence: A029027
Score: 20.3327
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^8 + x + 1$$

Sequence: A029027
Score: 6.54503
Type of gen. func.: ogf

$$1/((x^2 + x + 1)\,(x^4 + x^3 + x^2 + x + 1)\,(x^4 - x^3 + x^2 - x + 1)\,(x^6 + x^3 + 1)\,(x + 1)^2\,(x - 1)^4)$$

Sequence: A029028
Score: 19.7347
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^{8} + x + 1$$

Sequence: A029028
Score: 6.01909
Type of gen. func.: ogf

$$1/((x + 1) (x^{2} + x + 1) (x^{6} + x^{3} + 1) (x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{4})$$

Sequence: A029029
Score: 19.6179
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^{8} + x + 1$$

Sequence: A029029
Score: 4.96407
Type of gen. func.: ogf

$$1/((x^{2} + 1) (x^{2} - x + 1) (x^{6} + x^{3} + 1) (x^{4} - x^{2} + 1) (x^{2} + x + 1)^{2} (x + 1)^{2} (x - 1)^{4})$$

Sequence: A029030
Score: 19.5011
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^{9} + x + 1$$

Sequence: A029030
Score: 6.66160
Type of gen. func.: ogf

$$1/((x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)$$

$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x + 1)^2 (x - 1)^4)$$

Sequence: A029031
Score: 19.1471
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^{10} + x + 1$$

Sequence: A029031
Score: 6.73231
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^2 - x + 1)$$

$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + 1)$$

$$(x^4 - x^2 + 1) (x + 1)^2 (x - 1)^4)$$

Sequence: A029032
Score: 15.8520
Type of gen. func.: ogf_with_Euler_transform]

$$[x^4 + x^3 + x^2 + 1]$$

Sequence: A029032
Score: 5.74468
Type of gen. func.: lgdogf

$$- \frac{13 x^9 + 27 x^8 + 42 x^7 + 48 x^6 + 45 x^5 + 33 x^4 + 19 x^3 + 9 x^2 + 3 x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + 1)}$$

Sequence: A029032
Score: 8.59614
Type of gen. func.: ogf

$$\frac{1}{(x+1)(x^4+x^3+x^2+x+1)(x^2+x+1)(x^2+1)(x-1)^4}$$

Sequence: A029033
Score: 18.1714
Type of gen. func.: ogf_with_Euler_transform]

$$x^6+x^3+x^2+1$$

Sequence: A029033
Score: 9.25564
Type of gen. func.: ogf

$$\frac{1}{(x+1)(x^2+x+1)(x^6+x^5+x^4+x^3+x^2+x+1)(x^2+1)(x-1)^4}$$

Sequence: A029034
Score: 17.9589
Type of gen. func.: ogf_with_Euler_transform]

$$x^7+x^3+x^2+1$$

Sequence: A029034
Score: 6.51955
Type of gen. func.: lgdogf

$$-\frac{16x^9+17x^8+18x^7+6x^6+10x^5+10x^4+10x^3+6x^2+2x+1}{(x-1)(x+1)(x^2+1)(x^2+x+1)(x^4+1)}$$

Sequence: A029034
Score: 6.61149
Type of gen. func.: ogf

$$\frac{1}{(x^2 + x + 1)\,(x^4 + 1)\,(x^2 + 1)^2\,(x + 1)^2\,(x - 1)^4}$$

Sequence: A029035
Score: 17.8526
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^3 + x^2 + 1$$

Sequence: A029035
Score: 5.35540
Type of gen. func.: lgdogf

$$-(17\,x^{11} + 18\,x^{10} + 19\,x^9 + 23\,x^8 + 11\,x^7 + 11\,x^6 + 14\,x^5 + 11\,x^4 + 11\,x^3 + 6\,x^2 + 2\,x + 1) \Big/ ((x - 1)\,(x + 1)\,(x^2 + 1)\,(x^2 + x + 1)\,(x^6 + x^3 + 1))$$

Sequence: A029035
Score: 6.26234
Type of gen. func.: ogf

$$\frac{1}{(x + 1)\,(x^2 + 1)\,(x^6 + x^3 + 1)\,(x^2 + x + 1)^2\,(x - 1)^4}$$

Sequence: A029036
Score: 18.2611
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^3 + x^2 + 1$$

Sequence: A029036
Score: 6.34505
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^2 + 1) (x + 1)^2 (x - 1)^4)$$

Sequence: A029037
Score: 21.7647
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^3 + x^2 + 1$$

Sequence: A029037
Score: 7.48105
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x - 1)^4)$$

Sequence: A029038
Score: 17.4686
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^3 + x^2 + 1$$

Sequence: A029038
Score: 5.76219
Type of gen. func.: lgdogf

$$-\frac{20 x^{11} + x^{10} + x^9 + 4 x^8 + 5 x^7 + x^6 + 4 x^5 + x^4 + 5 x^3 + 4 x^2 + x + 1}{(x^2 - x + 1) (x^2 + x + 1) (x^2 + 1) (x - 1) (x + 1) (x^4 - x^2 + 1)}$$

Sequence: A029038
Score: 6.23373
Type of gen. func.: ogf

$$\overline{(x^2 - x + 1) (x^4 - x^2 + 1) (x^2 + x + 1)^2 (x^2 + 1)^2 (x + 1)^2 (x - 1)^4}$$

Sequence: A029039
Score: 22.1510
Type of gen. func.: ogf_with_Euler_transform]

$$x^5 + x^4 + x^2 + 1$$

Sequence: A029039
Score: 7.20165
Type of gen. func.: lgdogf

$$- \frac{15 x^9 + 16 x^8 + 17 x^7 + 21 x^6 + 22 x^5 + 13 x^4 + 7 x^3 + 6 x^2 + 2 x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A029039
Score: 7.76379
Type of gen. func.: ogf

$$\frac{1}{(x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x - 1)^4}$$

Sequence: A029040
Score: 18.1544
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 + x^4 + x^2 + 1$$

Sequence: A029040
Score: 6.08062
Type of gen. func.: ogf

$$\frac{1}{(x + 1) (x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1) (x^4 + 1) (x - 1)^4}$$

Sequence: A029041
Score: 22.1316
Type of gen. func.: ogf_with_Euler_transform]

$$x^{8} + x^{4} + x^{2} + 1$$

Sequence: A029041
Score: 6.10402
Type of gen. func.: lgdogf

$$-(18 x^{12} + 19 x^{11} + 20 x^{10} + 24 x^{9} + 25 x^{8} + 13 x^{7} + 16 x^{6} + 16 x^{5} + 13 x^{4} + 7 x^{3} + 6 x^{2} + 2 x + 1) \Big/ ((x - 1) (x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{6} + x^{3} + 1))$$

Sequence: A029041
Score: 6.22859
Type of gen. func.: ogf

$$\frac{1}{(x^{4} + x^{3} + x^{2} + x + 1) (x^{6} + x^{3} + 1) (x^{2} + x + 1)^{2} (x - 1)^{4}}$$

Sequence: A029042
Score: 17.8340
Type of gen. func.: ogf_with_Euler_transform]

$$x^{9} + x^{4} + x^{2} + 1$$

Sequence: A029042
Score: 4.57268
Type of gen. func.: ogf

$$1/((x + 1) (x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x^{4} + x^{3} + x^{2} + x + 1)^{2} (x - 1)^{4})$$

Sequence: A029043
Score: 17.7618
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^4 + x^2 + 1$$

Sequence: A029043
Score: 4.67674
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1)$$
$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^4)$$

Sequence: A029044
Score: 17.6573
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^4 + x^2 + 1$$

Sequence: A029044
Score: 4.64923
Type of gen. func.: ogf

$$1/((x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1)$$
$$(x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A029045
Score: 18.0476
Type of gen. func.: ogf_with_Euler_transform]

$$x^6 + x^5 + x^2 + 1$$

Sequence: A029045

Score: 6.09981
Type of gen. func.: ogf

$$1/((x + 1) (x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A029046
Score: 17.8340
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 + x^5 + x^2 + 1$$

Sequence: A029046
Score: 4.87528
Type of gen. func.: ogf

$$\frac{1}{(x^2 + 1) (x^2 - x + 1) (x^4 + 1) (x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4}$$

Sequence: A029046
Score: 5.48438
Type of gen. func.: lgdogf

$$- (18 x^{11} + x^{10} + 19 x^9 + 5 x^8 + 20 x^7 + 6 x^6 + 12 x^5 + 6 x^4 + 2 x^3 + 5 x^2 + x + 1) / ((x - 1) (x + 1) (x^2 + 1) (x^4 + 1) (x^2 + x + 1) (x^2 - x + 1))$$

Sequence: A029047
Score: 22.2209
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^5 + x^2 + 1$$

Sequence: A029047
Score: 6.02501
Type of gen. func.: ogf

$$1/((x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029048
Score: 17.5529
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^5 + x^2 + 1$$

Sequence: A029048
Score: 4.59006
Type of gen. func.: ogf

$$1/((x + 1) (x^2 - x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A029049
Score: 18.5434
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 + x^6 + x^2 + 1$$

Sequence: A029049
Score: 6.44169
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + 1) (x^2 + x + 1) (x^4 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^4)$$

Sequence: A029050
Score: 18.4356
Type of gen. func.: ogf_with_Euler_transform]

8   6   2

$$x + x + x + 1$$

Sequence: A029050
Score: 5.00185
Type of gen. func.: ogf

$$\frac{1}{(x^6 + x^3 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x - 1)^4}$$

Sequence: A029051
Score: 18.3278
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^6 + x^2 + 1$$

Sequence: A029051
Score: 6.36679
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)$$

$$(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^4)$$

Sequence: A029052
Score: 4.84945
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)$$

$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^4)$$

Sequence: A029053
Score: 20.5794
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^6 + x^2 + 1$$

Sequence: A029053
Score: 5.49074
Type of gen. func.: ogf

$$1/((x + 1) (x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A029054
Score: 18.1121
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^7 + x^2 + 1$$

Sequence: A029054
Score: 6.23362
Type of gen. func.: ogf

$$\frac{1}{(x + 1) (x^2 + 1) (x^6 + x^3 + 1) (x^4 + 1) (x^2 + x + 1)^2 (x - 1)^4}$$

Sequence: A029055
Score: 14.8036
Type of gen. func.: ogf_with_Euler_transform]

$$\left(\frac{1}{x^7} + 1\right) (x^9 + x^7)$$

Sequence: A029055
Score: 4.99421
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^2 + x + 1) (x^4 + 1) (x + 1)^2 (x - 1)^4)$$

Sequence: A029056
Score: 17.4256
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^{7} + x^{2} + 1$$

Sequence: A029056
Score: 5.99295
Type of gen. func.: ogf

$$1/((x + 1) (x^{2} + 1) (x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x^{2} + x + 1) (x^{4} + 1) (x - 1)^{4})$$

Sequence: A029057
Score: 17.7166
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^{7} + x^{2} + 1$$

Sequence: A029057
Score: 5.04671
Type of gen. func.: ogf

$$1/((x^{2} - x + 1) (x^{4} - x^{2} + 1) (x^{2} + 1) (x^{2} + x + 1)^{2} (x^{2} + 1)^{2} (x + 1)^{2} (x - 1)^{4})$$

Sequence: A029058
Score: 18.1954
Type of gen. func.: ogf_with_Euler_transform]

$$x^{9} + x^{8} + x^{2} + 1$$

Sequence: A029058
Score: 6.03803
Type of gen. func.: ogf

$$1/((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^6 + x^3 + 1) (x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A029059
Score: 14.5483
Type of gen. func.: ogf_with_Euler_transform]

$$\left(\frac{1}{x^8} + 1\right) (x^{10} + x^8)$$

Sequence: A029059
Score: 4.97950
Type of gen. func.: ogf

$$1/((x^6 + x^3 + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A029060
Score: 17.5057
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^9 + x^2 + 1$$

Sequence: A029060
Score: 5.91335
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^4)$$

Sequence: A029061
Score: 14.7013
Type of gen. func.: ogf_with_Euler_transform]

$$\left(\frac{1}{x^9} + 1\right) (x^{11} + x^9)$$

Sequence: A029061
Score: 4.85166
Type of gen. func.: ogf

$$1/((x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029062
Score: 17.2367
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^{10} + x^2 + 1$$

Sequence: A029062
Score: 5.97512
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A029063
Score: 16.2868
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5 + x^4 + x^3 + 1]$$

Sequence: A029063
Score: 8.82867
Type of gen. func.: ogf

2 2 4 3 2 2 2 4

```
1/((x  + x + 1) (x  - x + 1) (x  + x  + x  + x + 1) (x  + 1) (x + 1)  (x - 1) )



------------------------------------------------------------------------------

Sequence:  A029064
Score: 17.8340
Type of gen. func.: ogf_with_Euler_transform]


                                 6    4    3
                                x  + x  + x  + 1



------------------------------------------------------------------------------

Sequence:  A029064
Score: 6.02762
Type of gen. func.: ogf


             2        4    3    2            6    5    4    3    2
1/((x + 1) (x  + 1) (x  + x  + x  + x + 1) (x  + x  + x  + x  + x  + x + 1)

           4
    (x - 1) )



------------------------------------------------------------------------------

Sequence:  A029065
Score: 18.1346
Type of gen. func.: ogf_with_Euler_transform]


                                 7    4    3
                                x  + x  + x  + 1



------------------------------------------------------------------------------

Sequence:  A029065
Score: 5.30792
Type of gen. func.: lgdogf


       11       10       9       8       7       6       5       4      3
- (18 x   + 19 x   + 20 x  + 21 x  + 26 x  + 14 x  + 14 x  + 14 x  + 8 x

          2              /                    2        4    3    2
     + 3 x  + 2 x + 1)  /  ((x - 1) (x + 1) (x  + 1) (x  + x  + x  + x + 1)
                       /

      4
    (x  + 1))



------------------------------------------------------------------------------

Sequence:  A029065
Score: 6.87896
Type of gen. func.: ogf


                                       1
          -----------------------------------------------------------
```

```
            4    3    2            4        2     2        2        4
          (x  + x  + x  + x + 1) (x  + 1) (x  + 1)  (x + 1)  (x - 1)
```

Sequence: A029066
Score: 18.4356
Type of gen. func.: ogf_with_Euler_transform]

```
                                 8    4    3
                                x  + x  + x  + 1
```

Sequence: A029066
Score: 8.89939
Type of gen. func.: ogf

```
             2        4    3    2            2            6    3            4
1/((x + 1) (x  + 1) (x  + x  + x  + x + 1) (x  + x + 1) (x  + x  + 1) (x - 1) )
```

Sequence: A029067
Score: 22.4204
Type of gen. func.: ogf_with_Euler_transform]

```
                                 9    4    3
                                x  + x  + x  + 1
```

Sequence: A029067
Score: 6.58223
Type of gen. func.: lgdogf

```
       11    10       9      8      7      6      5      4      3      2
- (20 x   + x   + 21 x  + 2 x  + 6 x  + 7 x  + 6 x  + 7 x  + 6 x  + 2 x  + x

            /                    2        4    3    2
     + 1)  /  ((x - 1) (x + 1) (x  + 1) (x  + x  + x  + x + 1)
          /

      4    3    2
    (x  - x  + x  - x + 1))
```

Sequence: A029067
Score: 8.08514
Type of gen. func.: ogf

```
                                       1
   -------------------------------------------------------------------------
     2        4    3    2            4    3    2         2        2        4
   (x  + 1) (x  - x  + x  - x + 1) (x  + x  + x  + x + 1)  (x + 1)  (x - 1)
```

Sequence: A029068
Score: 17.6355
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^4 + x^3 + 1$$

Sequence: A029068
Score: 6.23362
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + 1) (x^4 + x^3 + x^2 + x + 1)$$
$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^4)$$

Sequence: A029069
Score: 17.5305
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^4 + x^3 + 1$$

Sequence: A029069
Score: 6.19652
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^2 + 1) (x^2 + 1)^2$$
$$(x + 1)^2 (x - 1)^4)$$

Sequence: A029070
Score: 18.5434
Type of gen. func.: ogf_with_Euler_transform]

$$x^6 + x^5 + x^3 + 1$$

Sequence: A029070
Score: 6.44169
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x + 1)^2 (x - 1)^4)$$

Sequence: A029071
Score: 22.3088
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^5 + x^3 + 1$$

Sequence: A029071
Score: 6.04836
Type of gen. func.: ogf

$$\frac{1}{(x^2 + 1) (x^2 - x + 1) (x^6 + x^3 + 1) (x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4}$$

Sequence: A029072
Score: 21.8059
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^5 + x^3 + 1$$

Sequence: A029072
Score: 6.20728
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^2 - x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x + 1)^2 (x - 1)^4)$$

Sequence: A029073
Score: 17.8965
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 + x^6 + x^3 + 1$$

Sequence: A029073
Score: 6.21698
Type of gen. func.: ogf

$$\frac{1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x^2 + 1)^2 (x + 1)^2 (x - 1)^4}$$

Sequence: A029074
Score: 4.52883
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + 1) (x^2 + x + 1) (x^6 + x^3 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^4)$$

Sequence: A029075
Score: 4.87125
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x + 1)^2 (x - 1)^4)$$

Sequence: A029076
Score: 17.5057
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^6 + x^3 + 1$$

Sequence: A029076
Score: 6.01989
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^4)$$

Sequence: A029077
Score: 21.8888
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^6 + x^3 + 1$$

Sequence: A029077
Score: 6.23043
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 - x^2 + 1) (x^2 + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029078
Score: 22.1714
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^7 + x^3 + 1$$

Sequence: A029078
Score: 7.62461
Type of gen. func.: ogf

$$\frac{1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x^4 + 1) (x^2 + 1)^2 (x + 1)^2 (x - 1)^4}$$

Sequence: A029079
Score: 14.6138
Type of gen. func.: ogf_with_Euler_transform]

```
/ 1         10    7
```

```
                          |---- + 1| (x   + x )
                          |  7     |
                           x      /
```

Sequence: A029079
Score: 4.89267
Type of gen. func.: ogf

$$1/((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x^2 + 1) (x + 1)^2 (x - 1)^4)$$

Sequence: A029080
Score: 18.4669
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^8 + x^3 + 1$$

Sequence: A029080
Score: 6.35383
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^2 + x + 1) (x^6 + x^3 + 1) (x + 1)^2 (x - 1)^4)$$

Sequence: A029081
Score: 17.8745
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^8 + x^3 + 1$$

Sequence: A029081
Score: 4.60915
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)$$

```
      2            6    3             4
```

$(x + x + 1) (x + x + 1) (x - 1))$

Sequence: A029082
Score: 14.5901
Type of gen. func.: ogf_with_Euler_transform]

$$\left(\frac{1}{x^8} + 1\right) (x^{11} + x^8)$$

Sequence: A029082
Score: 4.99284
Type of gen. func.: ogf

$$1/((x^2 - x + 1) (x^6 + x^3 + 1) (x^4 - x^2 + 1) (x^2 + x + 1)^2 (x^2 + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029083
Score: 17.5553
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^9 + x^3 + 1$$

Sequence: A029083
Score: 5.92896
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x + 1)^2 (x - 1)^4)$$

Sequence: A029084
Score: 17.6693
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^{10} + x^3 + 1$$

Sequence: A029084
Score: 6.12339
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^2 - x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 - x^2 + 1) (x^2 + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029085
Score: 18.1121
Type of gen. func.: ogf_with_Euler_transform]

$$x^6 + x^5 + x^4 + 1$$

Sequence: A029085
Score: 8.74326
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^4)$$

Sequence: A029086
Score: 17.7887
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 + x^5 + x^4 + 1$$

Sequence: A029086
Score: 5.95684
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 - x + 1) (x^2 + x + 1) (x^4 + 1) (x + 1)^2 (x - 1)^4)$$

Sequence: A029087
Score: 18.0871
Type of gen. func.: ogf_with_Euler_transform]

$$x^{8} + x^{5} + x^{4} + 1$$

Sequence: A029087
Score: 6.22438
Type of gen. func.: ogf

$$1/((x + 1) (x^{2} - x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{6} + x^{3} + 1) (x^{2} + x + 1)^{2} (x - 1)^{4})$$

Sequence: A029088
Score: 18.3861
Type of gen. func.: ogf_with_Euler_transform]

$$x^{9} + x^{5} + x^{4} + 1$$

Sequence: A029088
Score: 6.83275
Type of gen. func.: ogf

$$1/((x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x + 1)^{2} (x - 1)^{4})$$

Sequence: A029089
Score: 17.7963
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^{5} + x^{4} + 1$$

Sequence: A029089

Score: 8.82119
Type of gen. func.: ogf

$$1/((x+1)(x^2+x+1)(x^2-x+1)(x^4+x^3+x^2+x+1)(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^4)$$

Sequence: A029090
Score: 17.5844
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11}+x^5+x^4+1$$

Sequence: A029090
Score: 6.71146
Type of gen. func.: ogf

$$1/((x^2+1)(x^4+x^3+x^2+x+1)(x^4-x^2+1)(x+1)^2(x^2-x+1)^2(x^2+x+1)^2(x-1)^4)$$

Sequence: A029091
Score: 18.0871
Type of gen. func.: ogf_with_Euler_transform]

$$x^7+x^6+x^4+1$$

Sequence: A029091
Score: 6.28255
Type of gen. func.: ogf

$$1/((x+1)(x^2+1)(x^4+x^3+x^2+x+1)(x^6+x^5+x^4+x^3+x^2+x+1)(x^4+1)(x-1)^4)$$

Sequence: A029092
Score: 4.65227
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^6 + x^3 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^4)$$

Sequence: A029093
Score: 4.79870
Type of gen. func.: ogf

$$1/((x + 1) (x^4 - x^3 + x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A029094
Score: 17.8745
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^6 + x^4 + 1$$

Sequence: A029094
Score: 5.09070
Type of gen. func.: ogf

$$1/((x^4 + x^3 + x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^4)$$

Sequence: A029095
Score: 17.7681
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^6 + x^4 + 1$$

Sequence: A029095
Score: 6.33732
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^4)$$

Sequence: A029096
Score: 18.4669
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^7 + x^4 + 1$$

Sequence: A029096
Score: 6.12691
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1) (x^6 + x^3 + 1) (x^4 + 1) (x - 1)^4)$$

Sequence: A029097
Score: 18.2484
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^7 + x^4 + 1$$

Sequence: A029097
Score: 4.61288
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 - x^3 + x^2 - x + 1) (x^4 + 1) (x^4 + x^3 + x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029098
Score: 4.68513
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + 1) (x^4 + x^3 + x^2 + x + 1)$$

$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x - 1)^4)$$

Sequence: A029099
Score: 4.93441
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^2 + 1) (x^4 + 1)$$
$$(x^2 + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029100
Score: 18.3268
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^8 + x^4 + 1$$

Sequence: A029100
Score: 6.30508
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^6 + x^3 + 1)$$
$$(x^4 + x^3 + x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A029101
Score: 5.09493
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^6 + x^3 + 1)$$
$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^4)$$

Sequence: A029102
Score: 18.0270
Type of gen. func.: ogf_with_Euler_transform]

11   8   4

```
                               x   + x  + x  + 1



------------------------------------------------------------------------------

Sequence:  A029102
Score: 4.64763
Type of gen. func.: ogf


             2        4    3    2            2            6    3
1/((x + 1) (x  + 1) (x  + x  + x  + x + 1) (x  - x + 1) (x  + x  + 1)

      4    2        2         2        4
    (x  - x  + 1) (x  + x + 1)  (x - 1) )



------------------------------------------------------------------------------

Sequence:  A029103
Score: 17.9197
Type of gen. func.: ogf_with_Euler_transform]


                                10    9    4
                               x   + x  + x  + 1



------------------------------------------------------------------------------

Sequence:  A029103
Score: 6.05093
Type of gen. func.: ogf


             4    3    2
1/((x + 1) (x  - x  + x  - x + 1)

      10    9    8    7    6    5    4    3    2
    (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1)

      4    3    2         2        4
    (x  + x  + x  + x + 1)  (x - 1) )



------------------------------------------------------------------------------

Sequence:  A029104
Score: 18.2090
Type of gen. func.: ogf_with_Euler_transform]


                                11    9    4
                               x   + x  + x  + 1



------------------------------------------------------------------------------

Sequence:  A029104
Score: 4.66266
Type of gen. func.: ogf


     2            2            4    3    2            2        4    2
1/((x  + x + 1) (x  - x + 1) (x  - x  + x  - x + 1) (x  + 1) (x  - x  + 1)
      4    3    2         2        2        4
    (x  + x  + x  + x + 1)  (x + 1)  (x - 1) )



------------------------------------------------------------------------------

Sequence:  A029105
Score: 16.1824
Type of gen. func.: ogf_with_Euler_transform]


                               4        10
                              x  + 1 + x   (x + 1)



------------------------------------------------------------------------------

Sequence:  A029105
Score: 6.03897
Type of gen. func.: ogf


             2            2            4    3    2
1/((x + 1) (x  + x + 1) (x  - x + 1) (x  + x  + x  + x + 1)

      10    9    8    7    6    5    4    3    2            2
    (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x  + 1)

      4    2             4
    (x  - x  + 1) (x - 1) )



------------------------------------------------------------------------------

Sequence:  A029106
Score: 18.1685
Type of gen. func.: ogf_with_Euler_transform]


                                 7    6    5
                                x  + x  + x  + 1



------------------------------------------------------------------------------

Sequence:  A029106
Score: 8.76869
Type of gen. func.: ogf


     2        2            2            6    5    4    3    2            4
1/((x  + 1) (x  + x + 1) (x  - x + 1) (x  + x  + x  + x  + x  + x + 1) (x  + 1)

           2        4
    (x + 1)  (x - 1) )



------------------------------------------------------------------------------

Sequence:  A029107
Score: 6.05440
Type of gen. func.: ogf


             2            6    3        6    5    4    3    2
1/((x + 1) (x  - x + 1) (x  + x  + 1) (x  + x  + x  + x  + x  + x + 1)
```

$$(x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A029108
Score: 5.92896
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)$$

$$(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x + 1)^2 (x - 1)^4)$$

Sequence: A029109
Score: 6.06219
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)$$

$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^4)$$

Sequence: A029110
Score: 6.65330
Type of gen. func.: ogf

$$1/((x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x + 1)^2$$

$$(x^2 - x + 1)^2 (x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A029111
Score: 5.98190
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^2 - x + 1) (x^6 + x^3 + 1) (x^4 + 1) (x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4$$

$$)$$

Sequence: A029112
Score: 18.0270
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^{7} + x^{5} + 1$$

Sequence: A029112
Score: 4.67924
Type of gen. func.: ogf

$$1/((x^{2} + 1) (x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x^{2} - x + 1)$$
$$(x^{2} + x + 1) (x^{4} + 1) (x + 1)^{2} (x - 1)^{4})$$

Sequence: A029113
Score: 18.5142
Type of gen. func.: ogf_with_Euler_transform]

$$x^{9} + x^{8} + x^{5} + 1$$

Sequence: A029113
Score: 6.36897
Type of gen. func.: ogf

$$1/((x^{2} - x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x^{6} + x^{3} + 1)$$
$$(x^{2} + x + 1)^{2} (x + 1)^{2} (x - 1)^{4})$$

Sequence: A029114
Score: 4.69417
Type of gen. func.: ogf

$$1/((x + 1) (x^{2} - x + 1) (x^{6} + x^{3} + 1)$$
$$(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x^{2} + x + 1)^{2}$$
$$(x - 1)^{4})$$

Sequence: A029115
Score: 17.8858
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^{9} + x^{5} + 1$$

Sequence: A029115
Score: 6.26059
Type of gen. func.: ogf

$$1/((x^{2} + x + 1) (x^{2} - x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x + 1)^{2} (x - 1)^{4})$$

Sequence: A029116
Score: 17.4975
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^{10} + x^{5} + 1$$

Sequence: A029116
Score: 6.28536
Type of gen. func.: ogf

$$1/((x^{2} + 1) (x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{2} + 1) (x + 1)^{2} (x^{2} - x + 1)^{2} (x^{2} + x + 1)^{2} (x - 1)^{4})$$

Sequence: A029117
Score: 11.8251
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(- \frac{1}{x^{9}} - \frac{1}{x^{3}} + \frac{1}{x^{8}} + 1\right) x^{9}}{x - 1}$$

Sequence: A029117
Score: 9.14692
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + 1) (x^2 + x + 1) (x^6 + x^3 + 1) (x^4 + 1)$$

$$(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^4)$$

Sequence: A029118
Score: 6.01469
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)$$

$$(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x + 1)^2 (x - 1)^4)$$

Sequence: A029119
Score: 17.9936
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^7 + x^6 + 1$$

Sequence: A029119
Score: 6.29830
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)$$

$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x - 1)^4)$$

Sequence: A029120
Score: 16.5771
Type of gen. func.: ogf_with_Euler_transform]

$$1 + x^6 (x^5 + x + 1)$$

Sequence: A029120
Score: 6.26059
Type of gen. func.: ogf

```
     2            2            6    5    4    3    2            4    2
```

```
1/((x  + x + 1) (x  - x + 1) (x  + x  + x  + x  + x  + x + 1) (x  - x  + 1)

      4        2     2        2        4
    (x  + 1) (x  + 1)  (x + 1)  (x - 1) )
```

Sequence: A029121
Score: 6.39469
Type of gen. func.: ogf

```
             2            4    3    2            4    3    2
1/((x + 1) (x  + x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1)

      6    3        6    5    4    3    2                 4
    (x  + x  + 1) (x  + x  + x  + x  + x  + x + 1) (x - 1) )
```

Sequence: A029122
Score: 4.58307
Type of gen. func.: ogf

```
     2            6    3        6    5    4    3    2
1/((x  + x + 1) (x  + x  + 1) (x  + x  + x  + x  + x  + x + 1)

      10    9    8    7    6    5    4    3    2                 4
    (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x - 1) )
```

Sequence: A029123
Score: 17.7781
Type of gen. func.: ogf_with_Euler_transform]

```
                                11    8    6
                               x   + x  + x  + 1
```

Sequence: A029123
Score: 4.71038
Type of gen. func.: ogf

```
             2        2            6    3        4    2
1/((x + 1) (x  + 1) (x  - x + 1) (x  + x  + 1) (x  - x  + 1)

      6    5    4    3    2            2         2        4
    (x  + x  + x  + x  + x  + x + 1) (x  + x + 1)  (x - 1) )
```

Sequence: A029124
Score: 17.7781
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^{9} + x^{6} + 1$$

Sequence: A029124
Score: 6.22288
Type of gen. func.: ogf

$$1/((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{4})$$

Sequence: A029125
Score: 18.0662
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^{9} + x^{6} + 1$$

Sequence: A029125
Score: 4.62571
Type of gen. func.: ogf

$$1/((x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x^{4} - x^{2} + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x + 1)^{2} (x - 1)^{4})$$

Sequence: A029126
Score: 17.4975
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^{10} + x^{6} + 1$$

Sequence: A029127
Score: 11.5197
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(\frac{1}{x^{9}}-\frac{1}{x^{10}}-\frac{1}{x^{3}}+1\right)x^{10}}{x-1}$$

Sequence: A029127
Score: 8.74877
Type of gen. func.: ogf

$$1/((x^{2}+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)(x^{2}+x+1)(x^{6}+x^{3}+1)(x^{4}+1)(x+1)^{2}(x-1)^{4})$$

Sequence: A029128
Score: 6.04589
Type of gen. func.: ogf

$$1/((x+1)(x^{2}+1)(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x^{2}+x+1)(x^{6}+x^{3}+1)(x^{4}+1)(x-1)^{4})$$

Sequence: A029129
Score: 17.8498
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11}+x^{8}+x^{7}+1$$

Sequence: A029129
Score: 6.19069
Type of gen. func.: ogf

$$1/((x^{2}-x+1)(x^{6}+x^{3}+1)(x^{4}-x^{2}+1)(x^{4}+1)(x^{2}+x+1)^{2}(x^{2}+1)^{2}(x+1)^{2}(x-1)^{4})$$

Sequence: A029130
Score: 6.32322

Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x + 1)^2 (x - 1)^4)$$

Sequence: A029131
Score: 17.3922
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^{10} + x^7 + 1$$

Sequence: A029132
Score: 11.4419
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(- \frac{1}{x^{11}} + \frac{1}{x^{10}} - \frac{1}{x^3} + 1\right) x^{11}}{x - 1}$$

Sequence: A029135
Score: 11.3049
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(\frac{1}{x^{11}} - \frac{1}{x^3} - \frac{1}{x^{12}} + 1\right) x^{12}}{x - 1}$$

Sequence: A029136
Score: 10.6980
Type of gen. func.: lgdogf

$$- \frac{x (15 x^6 + 17 x^4 + 3 x^3 + 8 x^2 + 3 x + 2)}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A029136
Score: 20.0530
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5 + x^3 + x^2 + x]$$

Sequence: A029136
Score: 7.50387
Type of gen. func.: ogf

$$\frac{1}{(x^2 + 1) (x^2 - x + 1) (x^2 + x + 1)^2 (x + 1)^3 (x - 1)^4}$$

Sequence: A029137
Score: 19.7522
Type of gen. func.: ogf_with_Euler_transform]

$$x (x^5 + x^2 + x + 1)$$

Sequence: A029137
Score: 6.15895
Type of gen. func.: lgdogf

$$- x (16 x^{10} + 32 x^9 + 50 x^8 + 55 x^7 + 50 x^6 + 43 x^5 + 36 x^4 + 27 x^3 + 18 x^2 + 7 x + 2) / ((x - 1) (x + 1) (x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + 1))$$

Sequence: A029137
Score: 7.32473
Type of gen. func.: ogf

$$\frac{1}{(x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A029138
Score: 21.3810
Type of gen. func.: ogf_with_Euler_transform]

$$x (x^6 + x^2 + x + 1)$$

Sequence: A029138
Score: 5.94477
Type of gen. func.: ogf

$$\frac{1}{(x^2 + x + 1) (x^4 + 1) (x^2 + 1)^2 (x + 1)^3 (x - 1)^4}$$

Sequence: A029138
Score: 9.12903
Type of gen. func.: lgdogf

$$- \frac{x (17 x^8 + 17 x^7 + 19 x^6 + 5 x^5 + 11 x^4 + 9 x^3 + 11 x^2 + 5 x + 2)}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1) (x^4 + 1)}$$

Sequence: A029139
Score: 23.5797
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^3 + x^2 + x$$

Sequence: A029139
Score: 6.43851
Type of gen. func.: ogf

$$\frac{1}{(x^2 + 1) (x^6 + x^3 + 1) (x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4}$$

Sequence: A029139
Score: 7.44024
Type of gen. func.: lgdogf

$$- x (18 x^{10} + 18 x^{9} + 20 x^{8} + 23 x^{7} + 11 x^{6} + 11 x^{5} + 14 x^{4} + 11 x^{3} + 11 x^{2} + 5 x + 2) / ((x - 1) (x + 1) (x^{2} + 1) (x^{2} + x + 1) (x^{6} + x^{3} + 1))$$

Sequence: A029140
Score: 17.6809
Type of gen. func.: ogf_with_Euler_transform]

$$x^{9} + x^{3} + x^{2} + x$$

Sequence: A029140
Score: 4.41075
Type of gen. func.: ogf

$$1/((x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x^{2} + 1) (x + 1)^{3} (x - 1)^{4})$$

Sequence: A029141
Score: 17.5057
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^{3} + x^{2} + x$$

Sequence: A029141
Score: 4.60833
Type of gen. func.: ogf

$$1/((x^{2} + x + 1) (x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x^{2} + 1) (x + 1)^{2} (x - 1)^{4})$$

Sequence: A029142

Score: 17.7963
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^3 + x^2 + x$$

Sequence: A029142
Score: 4.68436
Type of gen. func.: ogf

$$\frac{1}{(x^2 - x + 1)(x^4 - x^2 + 1)(x^2 + 1)^2 (x^2 + x + 1)^2 (x + 1)^3 (x - 1)^4}$$

Sequence: A029142
Score: 6.67103
Type of gen. func.: lgdogf

$$-\frac{x (21 x^{10} + 2 x^8 + 3 x^7 + 6 x^6 + 5 x^4 + 6 x^2 + 3 x + 2)}{(x - 1)(x + 1)(x^2 + 1)(x^2 + x + 1)(x^2 - x + 1)(x^4 - x^2 + 1)}$$

Sequence: A029143
Score: 18.1121
Type of gen. func.: ogf_with_Euler_transform]

$$x^5 + x^4 + x^2 + x$$

Sequence: A029143
Score: 6.12231
Type of gen. func.: lgdogf

$$-\frac{x (16 x^8 + 16 x^7 + 18 x^6 + 21 x^5 + 23 x^4 + 12 x^3 + 7 x^2 + 5 x + 2)}{(x^4 + x^3 + x^2 + x + 1)(x^2 - x + 1)(x^2 + x + 1)(x - 1)(x + 1)}$$

Sequence: A029143
Score: 6.66565
Type of gen. func.: ogf

$$\frac{1}{(x^2 - x + 1)(x^4 + x^3 + x^2 + x + 1)(x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4}$$

Sequence: A029144
Score: 16.0532
Type of gen. func.: ogf_with_Euler_transform]

$$x (x^5 + x^3 + x + 1)$$

Sequence: A029144
Score: 8.70012
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^4)$$

Sequence: A029145
Score: 16.2248
Type of gen. func.: ogf_with_Euler_transform]

$$x (x^6 + x^3 + x + 1)$$

Sequence: A029145
Score: 8.24948
Type of gen. func.: ogf

$$\frac{1}{(x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1) (x^4 + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A029146
Score: 26.8159
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^4 + x^2 + x$$

Sequence: A029146
Score: 8.65554
Type of gen. func.: ogf

$$\frac{1}{(x+1)\,(x^4+x^3+x^2+x+1)\,(x^6+x^3+1)\,(x^2+x+1)^2\,(x-1)^4}$$

Sequence: A029147
Score: 18.0597
Type of gen. func.: ogf_with_Euler_transform]

$$x^9+x^4+x^2+x$$

Sequence: A029147
Score: 5.10866
Type of gen. func.: lgdogf

$$-x\,(20\,x^{10}+20\,x^9+22\,x^8+5\,x^7+7\,x^6+10\,x^5+12\,x^4+10\,x^3+7\,x^2+5\,x+2)\;\Big/\;((x^4-x^3+x^2-x+1)\,(x^4+x^3+x^2+x+1)\,(x^2+x+1)\,(x-1)\,(x+1))$$

Sequence: A029147
Score: 6.51598
Type of gen. func.: ogf

$$1/((x^2+x+1)\,(x^4-x^3+x^2-x+1)\,(x^4+x^3+x^2+x+1)^2\,(x+1)^2\,(x-1)^4)$$

Sequence: A029148
Score: 21.5605
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10}+x^4+x^2+x$$

Sequence: A029148
Score: 7.34246
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^4)$$

Sequence: A029149
Score: 20.8247
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^4 + x^2 + x$$

Sequence: A029149
Score: 7.09238
Type of gen. func.: ogf

$$1/((x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029150
Score: 16.5923
Type of gen. func.: ogf_with_Euler_transform]

$$x (x^5 + x^4 + x + 1)$$

Sequence: A029150
Score: 4.88054
Type of gen. func.: ogf

$$1/((x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029150
Score: 5.16266
Type of gen. func.: lgdogf

$$-x\left(18x^{10}+18x^{9}+20x^{8}+23x^{7}+25x^{6}+25x^{5}+18x^{4}+7x^{3}+7x^{2}+5x+2\right)\Big/\left((x-1)(x+1)(x^{2}+x+1)(x^{2}-x+1)(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)\right)$$

Sequence: A029151
Score: 16.2978
Type of gen. func.: ogf_with_Euler_transform]

$$x(x^{6}+x^{4}+x+1)$$

Sequence: A029151
Score: 5.83605
Type of gen. func.: ogf

$$\frac{1}{(x^{2}+1)(x^{2}-x+1)(x^{4}+1)(x^{2}+x+1)^{2}(x+1)^{3}(x-1)^{4}}$$

Sequence: A029151
Score: 5.93709
Type of gen. func.: lgdogf

$$-\frac{x(19x^{10}+21x^{8}+3x^{7}+23x^{6}+3x^{5}+15x^{4}+3x^{3}+4x^{2}+3x+2)}{(x-1)(x+1)(x^{2}+1)(x^{4}+1)(x^{2}+x+1)(x^{2}-x+1)}$$

Sequence: A029152
Score: 6.07237
Type of gen. func.: ogf

$$\frac{1}{(x^{2}-x+1)(x^{6}+x^{3}+1)(x+1)^{2}(x^{2}+x+1)^{2}(x-1)^{4}}$$

Sequence: A029152
Score: 6.24388
Type of gen. func.: lgdogf

$$- \frac{x (20 x^{10} + 2 x^{8} + 23 x^{7} + 2 x^{6} + 2 x^{5} + 14 x^{4} + 2 x^{3} + 2 x^{2} + 3 x + 2)}{(x^{6} + x^{3} + 1) (x^{2} - x + 1) (x^{2} + x + 1) (x - 1) (x + 1)}$$

Sequence: A029153
Score: 23.4099
Type of gen. func.: ogf_with_Euler_transform]

$$x^{9} + x^{5} + x^{2} + x$$

Sequence: A029153
Score: 5.79479
Type of gen. func.: ogf

$$1/((x^{2} - x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x^{2} + x + 1)^{2} (x + 1)^{3} (x - 1)^{4})$$

Sequence: A029154
Score: 17.8446
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^{5} + x^{2} + x$$

Sequence: A029154
Score: 4.82943
Type of gen. func.: ogf

$$1/((x^{2} - x + 1) (x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x^{2} + x + 1)^{2} (x + 1)^{2} (x - 1)^{4})$$

Sequence: A029155
Score: 14.8919
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x (x^4 + x + 1)$$

Sequence: A029155
Score: 4.58566
Type of gen. func.: ogf

$$\frac{1}{(x^2 + 1) (x^4 - x^2 + 1) (x^2 - x + 1)^2 (x + 1)^3 (x^2 + x + 1)^3 (x - 1)^4}$$

Sequence: A029155
Score: 6.68877
Type of gen. func.: lgdogf

$$- \frac{x (23 x^{10} + 2 x^8 + 3 x^7 + 2 x^6 + 11 x^4 + 2 x^2 + 3 x + 2)}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1)}$$

Sequence: A029156
Score: 18.2484
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 + x^6 + x^2 + x$$

Sequence: A029156
Score: 4.94958
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x + 1)^2$$
$$(x - 1)^4)$$

Sequence: A029157
Score: 14.8245
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^6 + x (x + 1)$$

Sequence: A029157
Score: 5.98190
Type of gen. func.: ogf

$$1/((x + 1) (x^6 + x^3 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A029158
Score: 5.88584
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x + 1)^2 (x - 1)^4)$$

Sequence: A029159
Score: 4.55529
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^4)$$

Sequence: A029160
Score: 4.78634
Type of gen. func.: ogf

$$1/((x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029161
Score: 14.9785
Type of gen. func.: ogf_with_Euler_transform]

$$\left(\frac{1}{x^6} + 1\right) (x^8 + x^7)$$

Sequence: A029161
Score: 4.90487
Type of gen. func.: ogf

$$\frac{1}{(x^2 + 1) (x^6 + x^3 + 1) (x^4 + 1) (x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4}$$

Sequence: A029162
Score: 15.2228
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^7 + x (x + 1)$$

Sequence: A029162
Score: 6.14151
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^2 + x + 1) (x^4 + 1) (x + 1)^3 (x - 1)^4)$$

Sequence: A029163
Score: 14.6260
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^7 + x (x + 1)$$

Sequence: A029163
Score: 6.03184
Type of gen. func.: ogf

$$1/((x^2+1)(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x^2+x+1)(x^4+1)(x+1)^2(x-1)^4)$$

Sequence: A029164
Score: 4.48950
Type of gen. func.: ogf

$$1/((x^2-x+1)(x^4-x^2+1)(x^4+1)(x^2+1)^2(x^2+x+1)^2(x+1)^3(x-1)^4)$$

Sequence: A029165
Score: 14.9510
Type of gen. func.: ogf_with_Euler_transform]

$$\left(\frac{1}{x^7}+1\right)(x^9+x^8)$$

Sequence: A029165
Score: 4.72424
Type of gen. func.: ogf

$$1/((x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x^6+x^3+1)(x^2+x+1)^2(x+1)^2(x-1)^4)$$

Sequence: A029166
Score: 14.8642
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10}+x^8+x(x+1)$$

Sequence: A029166
Score: 5.91823
Type of gen. func.: ogf

$$1/((x + 1) (x^{6} + x^{3} + 1) (x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x^{2} + x + 1)^{2} (x - 1)^{4})$$

Sequence: A029167
Score: 11.2543
Type of gen. func.: ogf_with_Euler_transform]

$$x^{2} + x + (x + 1) x^{8} (x^{2} - x + 1)$$

Sequence: A029167
Score: 5.94165
Type of gen. func.: ogf

$$1/((x^{2} + 1) (x^{2} - x + 1) (x^{6} + x^{3} + 1) (x^{4} - x^{2} + 1) (x + 1)^{2} (x^{2} + x + 1)^{3} (x - 1)^{4})$$

Sequence: A029168
Score: 14.9242
Type of gen. func.: ogf_with_Euler_transform]

$$\left(\frac{1}{x^{8}} + 1\right) (x^{10} + x^{9})$$

Sequence: A029168
Score: 4.92308
Type of gen. func.: ogf

$$1/((x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x + 1)^{2} (x - 1)^{4})$$

Sequence: A029169
Score: 14.7455
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^9 + x (x + 1)$$

Sequence: A029169
Score: 6.02634
Type of gen. func.: ogf

$$1/((x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x^2 + x + 1)^2 (x + 1)^3 (x - 1)^4)$$

Sequence: A029170
Score: 14.4318
Type of gen. func.: ogf_with_Euler_transform]

$$\left(\frac{1}{x^9} + 1\right) (x^{11} + x^{10})$$

Sequence: A029170
Score: 4.86411
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029171
Score: 17.8705
Type of gen. func.: ogf_with_Euler_transform]

$$x^5 + x^4 + x^3 + x$$

Sequence: A029171
Score: 5.82617
Type of gen. func.: ogf

2 2 4 3 2 2 3 4

$$1/((x + x + 1) (x - x + 1) (x + x + x + x + 1) (x + 1) (x + 1) (x - 1))$$

Sequence: A029172
Score: 14.8491
Type of gen. func.: ogf_with_Euler_transform]

$$x (x^5 + x^3 + x^2 + 1)$$

Sequence: A029172
Score: 6.57986
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x + 1)^2 (x - 1)^4)$$

Sequence: A029173
Score: 14.8245
Type of gen. func.: ogf_with_Euler_transform]

$$x (x^6 + x^3 + x^2 + 1)$$

Sequence: A029173
Score: 4.62050
Type of gen. func.: ogf

$$\frac{1}{(x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x^2 + 1)^2 (x + 1)^3 (x - 1)^4}$$

Sequence: A029173
Score: 5.56178
Type of gen. func.: lgdogf

$$- x (19 x^{10} + 19 x^9 + 21 x^8 + 21 x^7 + 27 x^6 + 13 x^5 + 15 x^4 + 13 x^3 + 8 x^2 + 2 x + 2) \Big/ ((x - 1) (x + 1) (x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 + 1))$$

Sequence: A029174
Score: 18.0298
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^4 + x^3 + x$$

Sequence: A029174
Score: 5.82585
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1) (x^6 + x^3 + 1) (x + 1)^2 (x - 1)^4)$$

Sequence: A029175
Score: 18.1074
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^4 + x^3 + x$$

Sequence: A029175
Score: 4.48529
Type of gen. func.: ogf

$$\frac{1}{(x^2 + 1) (x^4 - x^3 + x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1)^2 (x + 1)^3 (x - 1)^4}$$

Sequence: A029175
Score: 6.21158
Type of gen. func.: lgdogf

$$- \frac{x (21 x^{10} + 23 x^8 + 8 x^6 + 5 x^5 + 8 x^4 + 5 x^3 + 8 x^2 + 2)}{(x - 1) (x + 1) (x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A029176
Score: 17.9197
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^4 + x^3 + x$$

Sequence: A029176
Score: 4.99091
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 + x^3 + x^2 + x + 1)$$
$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x + 1)^2 (x - 1)^4)$$

Sequence: A029177
Score: 23.3667
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^4 + x^3 + x$$

Sequence: A029177
Score: 5.93933
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^2 + 1) (x^2 + 1)$$
$$(x + 1)^3 (x - 1)^4)$$

Sequence: A029178
Score: 14.7347
Type of gen. func.: ogf_with_Euler_transform]

$$x (x^5 + x^4 + x^2 + 1)$$

Sequence: A029178
Score: 5.99921
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x + 1)^3 (x - 1)^4)$$

Sequence: A029179
Score: 18.1836
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^5 + x^3 + x$$

Sequence: A029179
Score: 5.36164
Type of gen. func.: lgdogf

$$- x (21 x^{12} + 23 x^{10} + 21 x^9 + 8 x^8 + 23 x^7 + 14 x^6 + 8 x^5 + 14 x^4 + 2 x^3 + 8 x^2 + 2) \Big/ ((x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^6 + x^3 + 1))$$

Sequence: A029179
Score: 6.03184
Type of gen. func.: ogf

$$\frac{1}{(x^2 + 1) (x^2 - x + 1) (x^6 + x^3 + 1) (x^2 + x + 1)^2 (x + 1)^3 (x - 1)^4}$$

Sequence: A029180
Score: 17.7781
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^5 + x^3 + x$$

Sequence: A029180
Score: 5.79738
Type of gen. func.: ogf

```
     2            2
1/((x  + x + 1) (x  - x + 1)

      10    9    8    7    6    5    4    3    2            2             3
    (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x  + 1) (x + 1)

           4
    (x - 1) )
```

Sequence: A029181
Score: 15.0416
Type of gen. func.: ogf_with_Euler_transform]

```
                                  6    5    2
                              x (x  + x  + x  + 1)
```

Sequence: A029181
Score: 4.53107
Type of gen. func.: ogf

```
                                       1
     ---------------------------------------------------------------------
       6    5    4    3    2            4        2     2        3        4
     (x  + x  + x  + x  + x  + x + 1) (x  + 1) (x  + 1)  (x + 1)  (x - 1)
```

Sequence: A029182
Score: 6.47939
Type of gen. func.: ogf

```
     2        2            6    3        6    5    4    3    2
1/((x  + 1) (x  + x + 1) (x  + x  + 1) (x  + x  + x  + x  + x  + x + 1)

           2        4
    (x + 1)  (x - 1) )
```

Sequence: A029183
Score: 4.61424
Type of gen. func.: ogf

```
     2        4    3    2            4    3    2
1/((x  + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1)

      6    5    4    3    2                 3        4
    (x  + x  + x  + x  + x  + x + 1) (x + 1)  (x - 1) )
```

Sequence: A029184

Score: 5.95743
Type of gen. func.: ogf

$$1/((x^2+1)(x^6+x^5+x^4+x^3+x^2+x+1)(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x+1)^2(x-1)^4)$$

Sequence: A029185
Score: 4.48244
Type of gen. func.: ogf

$$1/((x^2+x+1)(x^2-x+1)(x^6+x^5+x^4+x^3+x^2+x+1)(x^4-x^2+1)(x^2+1)^2(x+1)^3(x-1)^4)$$

Sequence: A029186
Score: 13.6199
Type of gen. func.: ogf_with_Euler_transform]

$$x^8+x^7+(x^2+1)x$$

Sequence: A029186
Score: 4.55831
Type of gen. func.: ogf

$$\frac{1}{(x^2+x+1)(x^6+x^3+1)(x^4+1)(x^2+1)^2(x+1)^3(x-1)^4}$$

Sequence: A029187
Score: 17.9204
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10}+x^7+x^3+x$$

Sequence: A029187
Score: 4.49747
Type of gen. func.: ogf

$$1/((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x^2 + 1)^2 (x + 1)^3 (x - 1)^4)$$

Sequence: A029188
Score: 13.9817
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^8 + (x^2 + 1) x$$

Sequence: A029188
Score: 4.64703
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^2 + x + 1) (x^6 + x^3 + 1) (x + 1)^3 (x - 1)^4)$$

Sequence: A029189
Score: 14.3880
Type of gen. func.: ogf_with_Euler_transform]

$$\left(\frac{1}{x^7} + 1\right) (x^{10} + x^8)$$

Sequence: A029189
Score: 6.20998
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1) (x^6 + x^3 + 1) (x + 1)^2 (x - 1)^4)$$

Sequence: A029190
Score: 4.59103
Type of gen. func.: ogf

```
     2            6    3        4    2        2     2   2         2        3
1/((x  - x + 1) (x  + x  + 1) (x  - x  + 1) (x  + 1)  (x  + x + 1)  (x + 1)

           4
    (x - 1) )
```

Sequence: A029191
Score: 13.3719
Type of gen. func.: ogf_with_Euler_transform]

```
                              10    9     2
                             x   + x  + (x  + 1) x
```

Sequence: A029191
Score: 4.38684
Type of gen. func.: ogf

```
     2        4    3    2            4    3    2
1/((x  + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1)

      10    9    8    7    6    5    4    3    2                 3        4
    (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x + 1)  (x - 1) )
```

Sequence: A029192
Score: 12.9479
Type of gen. func.: ogf_with_Euler_transform]

```
                              11    10     2
                             x   + x   + (x  + 1) x
```

Sequence: A029192
Score: 4.44900
Type of gen. func.: ogf

```
     2            2
1/((x  + x + 1) (x  - x + 1)

      10    9    8    7    6    5    4    3    2            4    2
    (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x  - x  + 1)

      2     2        3        4
    (x  + 1)  (x + 1)  (x - 1) )
```

Sequence: A029193
Score: 15.1322
Type of gen. func.: ogf_with_Euler_transform]

$$x (x^5 + x^4 + x^3 + 1)$$

Sequence: A029193
Score: 5.94570
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x + 1)^2 (x - 1)^4)$$

Sequence: A029194
Score: 14.9510
Type of gen. func.: ogf_with_Euler_transform]

$$x (x^6 + x^4 + x^3 + 1)$$

Sequence: A029194
Score: 5.82384
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 - x + 1) (x^2 + x + 1) (x^4 + 1) (x + 1)^3 (x - 1)^4)$$

Sequence: A029195
Score: 18.3692
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^5 + x^4 + x$$

Sequence: A029195
Score: 4.83974
Type of gen. func.: ogf

$$1/((x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^6 + x^3 + 1) (x^2 + x + 1)^2 (x + 1)^2$$

$$(x - 1)^4)$$

Sequence: A029196
Score: 18.5545
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^5 + x^4 + x$$

Sequence: A029196
Score: 4.68865
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^2 - x + 1) (x^4 - x^3 + x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1)^2$$

$$(x + 1)^3 (x - 1)^4)$$

Sequence: A029197
Score: 17.8498
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^5 + x^4 + x$$

Sequence: A029197
Score: 5.92153
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1)$$

$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x + 1)^2 (x - 1)^4)$$

Sequence: A029198
Score: 13.4014
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x (x^4 + x^3 + 1)$$

Sequence: A029198
Score: 4.57634
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^2 + 1) (x^2 + x + 1)^2 (x^2 - x + 1)^2 (x + 1)^3 (x - 1)^4)$$

Sequence: A029199
Score: 15.3472
Type of gen. func.: ogf_with_Euler_transform]

$$x (x^6 + x^5 + x^3 + 1)$$

Sequence: A029199
Score: 6.19070
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x + 1)^2 (x - 1)^4)$$

Sequence: A029200
Score: 8.30459
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^6 + x^3 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^4)$$

Sequence: A029201
Score: 6.50816
Type of gen. func.: ogf

$$1/((x^4 - x^3 + x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029202
Score: 5.74976
Type of gen. func.: ogf

$$1/((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^4)$$

Sequence: A029203
Score: 8.87813
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x + 1)^2 (x - 1)^4)$$

Sequence: A029204
Score: 18.1101
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^7 + x^4 + x$$

Sequence: A029204
Score: 4.45511
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1) (x^6 + x^3 + 1) (x^4 + 1) (x + 1)^2 (x - 1)^4)$$

Sequence: A029205
Score: 18.3323
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^7 + x^4 + x$$

Sequence: A029205
Score: 5.87048
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 - x^3 + x^2 - x + 1) (x^4 + 1) (x^4 + x^3 + x^2 + x + 1)^2 (x + 1)^3 (x - 1)^4)$$

Sequence: A029206
Score: 10.8091
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(- \frac{1}{x^{12}} + 1\right) x^{13}}{(x - 1) (x^2 + x + 1)}$$

Sequence: A029206
Score: 4.91810
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x + 1)^2 (x - 1)^4)$$

Sequence: A029207
Score: 4.69279
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^2 + 1) (x^4 + 1) (x^2 + 1)^2 (x + 1)^3 (x - 1)^4)$$

Sequence: A029208
Score: 18.1101
Type of gen. func.: ogf_with_Euler_transform]

$$x^{9} + x^{8} + x^{4} + x$$

Sequence: A029208
Score: 4.54542
Type of gen. func.: ogf

$$1/((x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x^{6} + x^{3} + 1) (x^{4} + x^{3} + x^{2} + x + 1)^{2} (x + 1)^{2} (x - 1)^{4})$$

Sequence: A029209
Score: 6.06672
Type of gen. func.: ogf

$$1/((x + 1) (x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{6} + x^{3} + 1) (x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{4})$$

Sequence: A029210
Score: 4.75156
Type of gen. func.: ogf

$$1/((x^{2} + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{2} - x + 1) (x^{6} + x^{3} + 1) (x^{4} - x^{2} + 1) (x^{2} + x + 1)^{2} (x + 1)^{2} (x - 1)^{4})$$

Sequence: A029211
Score: 17.8118
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^{9} + x^{4} + x$$

Sequence: A029211
Score: 4.56022
Type of gen. func.: ogf

$$1/((x^{4} - x^{3} + x^{2} - x + 1) (x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)$$

```
      4    3    2         2        2        4
    (x  + x  + x  + x + 1)  (x + 1)  (x - 1) )


------------------------------------------------------------------------------

Sequence:  A029212
Score: 6.14631
Type of gen. func.: ogf


     2            2            4    3    2            2        4    2
1/((x  + x + 1) (x  - x + 1) (x  - x  + x  - x + 1) (x  + 1) (x  - x  + 1)

      4    3    2         2        3        4
    (x  + x  + x  + x + 1)  (x + 1)  (x - 1) )


------------------------------------------------------------------------------

Sequence:  A029213
Score: 4.60547
Type of gen. func.: ogf


     2            2            4    3    2
1/((x  + x + 1) (x  - x + 1) (x  + x  + x  + x + 1)

      10    9    8    7    6    5    4    3    2            2
    (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x  + 1)

      4    2             2        4
    (x  - x  + 1) (x + 1)  (x - 1) )


------------------------------------------------------------------------------

Sequence:  A029214
Score: 14.9818
Type of gen. func.: ogf_with_Euler_transform]


                                  6    5    4
                              x (x  + x  + x  + 1)


------------------------------------------------------------------------------

Sequence:  A029214
Score: 6.04329
Type of gen. func.: ogf


     2        2            2            6    5    4    3    2            4
1/((x  + 1) (x  + x + 1) (x  - x + 1) (x  + x  + x  + x  + x  + x + 1) (x  + 1)

           3        4
    (x + 1)  (x - 1) )


------------------------------------------------------------------------------

Sequence:  A029215
Score: 17.9989
Type of gen. func.: ogf_with_Euler_transform]
```

$$x^8 + x^6 + x^5 + x$$

Sequence: A029215
Score: 5.96960
Type of gen. func.: ogf

$$1/((x^2 - x + 1) (x^6 + x^3 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029216
Score: 18.2932
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^6 + x^5 + x$$

Sequence: A029216
Score: 4.49982
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x + 1)^3 (x - 1)^4)$$

Sequence: A029217
Score: 4.78502
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x + 1)^2 (x - 1)^4)$$

Sequence: A029218
Score: 4.54447
Type of gen. func.: ogf

$$1/((x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x^2 + x + 1)^2 (x^2 - x + 1)^2 (x + 1)^3 (x - 1)^4)$$

Sequence: A029219
Score: 18.0701
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^7 + x^5 + x$$

Sequence: A029219
Score: 5.93971
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^2 - x + 1) (x^6 + x^3 + 1) (x^4 + 1) (x^2 + x + 1)^2 (x + 1)^3 (x - 1)^4)$$

Sequence: A029220
Score: 20.2792
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^7 + x^5 + x$$

Sequence: A029220
Score: 6.55277
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 - x + 1) (x^2 + x + 1) (x^4 + 1) (x + 1)^3 (x - 1)^4)$$

Sequence: A029221
Score: 18.2522
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^8 + x^5 + x$$

Sequence: A029221
Score: 4.58039
Type of gen. func.: ogf

$$1/((x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^6 + x^3 + 1) (x^2 + x + 1)^2 (x + 1)^3 (x - 1)^4)$$

Sequence: A029222
Score: 5.87979
Type of gen. func.: ogf

$$1/((x^2 - x + 1) (x^6 + x^3 + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029223
Score: 4.58039
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 - x^2 + 1) (x^6 + x^3 + 1) (x^2 - x + 1)^2 (x + 1)^3 (x^2 + x + 1)^3 (x - 1)^4)$$

Sequence: A029224
Score: 17.9488
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^9 + x^5 + x$$

Sequence: A029224
Score: 4.47451
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)$$

```
      10    9    8    7    6    5    4    3    2                 3        4
    (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x + 1)  (x - 1) )
```

Sequence: A029225
Score: 4.59463
Type of gen. func.: ogf

```
     2        10    9    8    7    6    5    4    3    2            4    2
1/((x  + 1) (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x  - x  + 1)

      2         2   2         2        3        4
    (x  + x + 1)  (x  - x + 1)  (x + 1)  (x - 1) )
```

Sequence: A029226
Score: 18.1817
Type of gen. func.: ogf_with_Euler_transform]

```
                                 8    7    6
                                x  + x  + x  + x
```

Sequence: A029226
Score: 5.97637
Type of gen. func.: ogf

```
     2        2            6    3         6    5    4    3    2
1/((x  + 1) (x  + x + 1) (x  + x  + 1) (x  + x  + x  + x  + x  + x + 1)

      4             2        4
    (x  + 1) (x + 1)  (x - 1) )
```

Sequence: A029227
Score: 18.4761
Type of gen. func.: ogf_with_Euler_transform]

```
                                 9    7    6
                                x  + x  + x  + x
```

Sequence: A029227
Score: 6.12692
Type of gen. func.: ogf

```
     2        4    3    2            4    3    2
1/((x  + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1)

      6    5    4    3    2            4             3        4
```

(x + x + x + x + x + x + 1) (x + 1) (x + 1) (x - 1))

Sequence: A029228
Score: 17.8809
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^7 + x^6 + x$$

Sequence: A029228
Score: 4.48721
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)$$
$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x + 1)^2$$
$$(x - 1)^4)$$

Sequence: A029229
Score: 4.58039
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 - x^2 + 1)$$
$$(x^4 + 1) (x^2 + 1)^2 (x + 1)^3 (x - 1)^4)$$

Sequence: A029230
Score: 18.3641
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^8 + x^6 + x$$

Sequence: A029230
Score: 5.98295
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^6 + x^3 + 1)$$

$$(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x + 1)^2 (x - 1)^4)$$

Sequence: A029231
Score: 17.6628
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^8 + x^6 + x$$

Sequence: A029231
Score: 8.21633
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + x + 1) (x^6 + x^3 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)$$

$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^4)$$

Sequence: A029232
Score: 5.80169
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^2 - x + 1) (x^6 + x^3 + 1) (x^4 - x^2 + 1)$$

$$(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029233
Score: 17.6628
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^9 + x^6 + x$$

Sequence: A029233
Score: 4.40352
Type of gen. func.: ogf

$$1/((x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)$$

$$(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)$$

```
      10    9    8    7    6    5    4    3    2                 2        4
    (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x + 1)  (x - 1) )



------------------------------------------------------------------------------

Sequence:  A029234
Score: 6.05841
Type of gen. func.: ogf


     2        2            2            4    3    2
1/((x  + 1) (x  + x + 1) (x  - x + 1) (x  + x  + x  + x + 1)

      4    3    2            4    2        6    5    4    3    2
    (x  - x  + x  - x + 1) (x  - x  + 1) (x  + x  + x  + x  + x  + x + 1)

           3        4
    (x + 1)  (x - 1) )



------------------------------------------------------------------------------

Sequence:  A029235
Score: 4.44723
Type of gen. func.: ogf


     2            2            6    5    4    3    2
1/((x  + x + 1) (x  - x + 1) (x  + x  + x  + x  + x  + x + 1)

      10    9    8    7    6    5    4    3    2            2
    (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x  + 1)

      4    2             2        4
    (x  - x  + 1) (x + 1)  (x - 1) )



------------------------------------------------------------------------------

Sequence:  A029236
Score: 18.4339
Type of gen. func.: ogf_with_Euler_transform]


                                 9    8    7
                                x  + x  + x  + x



------------------------------------------------------------------------------

Sequence:  A029236
Score: 6.05841
Type of gen. func.: ogf


     2        4    3    2            4    3    2            2
1/((x  + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1) (x  + x + 1)

      6    3        4             3        4
    (x  + x  + 1) (x  + 1) (x + 1)  (x - 1) )



------------------------------------------------------------------------------
```

Sequence: A029237
Score: 17.8394
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^{8} + x^{7} + x$$

Sequence: A029237
Score: 6.02147
Type of gen. func.: ogf

$$1/((x^{2} + 1) (x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x^{2} + x + 1) (x^{6} + x^{3} + 1) (x^{4} + 1) (x + 1)^{2} (x - 1)^{4})$$

Sequence: A029238
Score: 16.4327
Type of gen. func.: ogf_with_Euler_transform]

$$x + x^{7} (x^{4} + x + 1)$$

Sequence: A029238
Score: 4.41994
Type of gen. func.: ogf

$$1/((x^{2} - x + 1) (x^{6} + x^{3} + 1) (x^{4} - x^{2} + 1) (x^{4} + 1) (x^{2} + 1)^{2} (x^{2} + x + 1)^{2} (x + 1)^{3} (x - 1)^{4})$$

Sequence: A029239
Score: 17.5111
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^{9} + x^{7} + x$$

Sequence: A029239
Score: 5.85879
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x + 1)^3 (x - 1)^4)$$

Sequence: A029240
Score: 14.9350
Type of gen. func.: ogf_with_Euler_transform]

$$x + x^7 (x^4 + x^3 + 1)$$

Sequence: A029241
Score: 17.7300
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^9 + x^8 + x$$

Sequence: A029241
Score: 5.73094
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^6 + x^3 + 1) (x + 1)^2 (x - 1)^4)$$

Sequence: A029242
Score: 17.9059
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^9 + x^8 + x$$

Sequence: A029243
Score: 17.3398
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^{10} + x^{8} + x$$

Sequence: A029244
Score: 17.4032
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^{10} + x^{9} + x$$

Sequence: A029245
Score: 16.6085
Type of gen. func.: ogf_with_Euler_transform]

$$x^{6} + x^{4} + x^{3} + x^{2}$$

Sequence: A029245
Score: 6.15995
Type of gen. func.: ogf

$$1/((x + 1) (x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x^{2} + 1) (x - 1)^{4})$$

Sequence: A029246
Score: 16.4096
Type of gen. func.: ogf_with_Euler_transform]

$$x^{7} + x^{4} + x^{3} + x^{2}$$

Sequence: A029246
Score: 5.87449
Type of gen. func.: ogf

$$\frac{1}{(x^{4} + x^{3} + x^{2} + x + 1) (x^{2} + x + 1) (x^{4} + 1) (x^{2} + 1)^{2} (x + 1)^{2} (x - 1)^{4}}$$

Sequence: A029247
Score: 16.4772
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^4 + x^3 + x^2$$

Sequence: A029247
Score: 5.89821
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^6 + x^3 + 1) (x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A029248
Score: 15.1645
Type of gen. func.: ogf_with_Euler_transform]

$$\left(\frac{1}{x^5} + \frac{1}{x^7} + \frac{1}{x^6} + 1\right) x^9$$

Sequence: A029248
Score: 4.56736
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^2 + 1) (x^4 + x^3 + x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029249
Score: 14.6562
Type of gen. func.: ogf_with_Euler_transform]

$$\left(\frac{1}{x^7} + \frac{1}{x^6} + \frac{1}{x^8} + 1\right) x^{10}$$

Sequence: A029249
Score: 4.51233
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x - 1)^4)$$

Sequence: A029250
Score: 14.5668
Type of gen. func.: ogf_with_Euler_transform]

$$\left(\frac{1}{x^9} + \frac{1}{x^7} + \frac{1}{x^8} + 1\right) x^{11}$$

Sequence: A029250
Score: 4.91038
Type of gen. func.: ogf

$$1/((x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^2 + 1) (x^2 + x + 1)^2 (x^2 + 1) (x + 1)^2 (x - 1)^4)$$

Sequence: A029251
Score: 16.4772
Type of gen. func.: ogf_with_Euler_transform]

$$x^6 + x^5 + x^3 + x^2$$

Sequence: A029251
Score: 6.58538
Type of gen. func.: ogf

$$1/((x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029252
Score: 16.4435
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 + x^5 + x^3 + x^2$$

Sequence: A029252
Score: 4.63595
Type of gen. func.: ogf

$$\frac{1}{(x^2 - x + 1) (x^4 + 1) (x^2 + 1)^2 (x^2 + x + 1)^2 (x + 1)^3 (x - 1)^4}$$

Sequence: A029252
Score: 6.34644
Type of gen. func.: lgdogf

$$- \frac{x^2 (21 x^9 + 21 x^7 + 3 x^6 + 25 x^5 + 3 x^4 + 13 x^3 + 3 x^2 + 4 x + 3)}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A029253
Score: 16.7099
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^5 + x^3 + x^2$$

Sequence: A029253
Score: 5.46893
Type of gen. func.: lgdogf

$$- x^2 (22 x^{11} + 22 x^9 + 25 x^8 + 4 x^7 + 25 x^6 + 16 x^5 + 4 x^4 + 16 x^3 + 3 x^2 + 4 x + 3) \Big/ ((x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^6 + x^3 + 1))$$

Sequence: A029253
Score: 5.92897
Type of gen. func.: ogf

$$\frac{1}{(x^2+1)(x^2-x+1)(x^6+x^3+1)(x+1)^2(x^2+x+1)^3(x-1)^4}$$

Sequence: A029254
Score: 14.8905
Type of gen. func.: ogf_with_Euler_transform]

$$\left(\frac{1}{x^6}+\frac{1}{x^4}+\frac{1}{x^7}+1\right)x^9$$

Sequence: A029254
Score: 6.06056
Type of gen. func.: ogf

$$1/((x^2-x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x^2+1)(x^2+x+1)^2(x+1)^2(x-1)^4)$$

Sequence: A029255
Score: 14.7141
Type of gen. func.: ogf_with_Euler_transform]

$$\left(\frac{1}{x^5}+\frac{1}{x^8}+\frac{1}{x^7}+1\right)x^{10}$$

Sequence: A029255
Score: 4.49982
Type of gen. func.: ogf

$$1/((x^2-x+1)(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x^2+1)(x^2+x+1)^2(x+1)^2(x-1)^4)$$

Sequence: A029256
Score: 14.8612
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^2 (x^3 + x + 1)$$

Sequence: A029256
Score: 4.66813
Type of gen. func.: ogf

$$\frac{1}{(x^4 - x^2 + 1) (x^2 + 1)^2 (x^2 - x + 1)^2 (x + 1)^3 (x^2 + x + 1)^3 (x - 1)^4}$$

Sequence: A029256
Score: 7.66355
Type of gen. func.: lgdogf

$$- \frac{x^2 (25 x^9 + 3 x^6 + 4 x^5 + 9 x^3 + 4 x + 3)}{(x^2 - x + 1) (x^2 + x + 1) (x^2 + 1) (x - 1) (x + 1) (x^4 - x^2 + 1)}$$

Sequence: A029257
Score: 16.3432
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 + x^6 + x^3 + x^2$$

Sequence: A029257
Score: 6.46848
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x^2 + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029258
Score: 16.2430

Type of gen. func.: ogf_with_Euler_transform]

$$x^{8} + x^{6} + x^{3} + x^{2}$$

Sequence: A029258
Score: 5.71449
Type of gen. func.: ogf

$$1/((x + 1) (x^{2} + 1) (x^{6} + x^{3} + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x^{2} + x + 1)^{2} (x - 1)^{4})$$

Sequence: A029259
Score: 8.28626
Type of gen. func.: ogf

$$1/((x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x^{2} + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x + 1)^{2} (x - 1)^{4})$$

Sequence: A029260
Score: 8.28626
Type of gen. func.: ogf

$$1/((x + 1) (x^{2} + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x^{2} + x + 1) (x - 1)^{4})$$

Sequence: A029261
Score: 14.5347
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^{2} (x^{4} + x + 1)$$

Sequence: A029261
Score: 5.68803

Type of gen. func.: ogf

$$1/((x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 - x^2 + 1) (x^2 + x + 1)^2 (x^2 + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029262
Score: 16.4079
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^7 + x^3 + x^2$$

Sequence: A029262
Score: 4.89370
Type of gen. func.: ogf

$$\frac{1}{(x^6 + x^3 + 1) (x^4 + 1) (x^2 + x + 1)^2 (x^2 + 1)^2 (x + 1)^2 (x - 1)^4}$$

Sequence: A029263
Score: 16.5085
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^7 + x^3 + x^2$$

Sequence: A029263
Score: 4.59103
Type of gen. func.: ogf

$$1/((x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^2 + x + 1) (x^4 + 1) (x^2 + 1)^2 (x + 1)^3 (x - 1)^4)$$

Sequence: A029264
Score: 16.1779
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^7 + x^3 + x^2$$

Sequence: A029264
Score: 6.08979
Type of gen. func.: ogf

$$1/((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1) (x^4 + 1) (x^2 + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029265
Score: 5.45645
Type of gen. func.: lgdogf

$$- \frac{x^2 (27 x^{13} + 3 x^{10} + 31 x^9 + 3 x^7 + 3 x^6 + 16 x^5 + 3 x^4 + 3 x^3 + 4 x + 3)}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1)}$$

Sequence: A029265
Score: 5.91565
Type of gen. func.: ogf

$$1/((x^2 - x + 1) (x^4 - x^2 + 1) (x^4 + 1) (x^2 + x + 1)^2 (x^2 + 1)^2 (x + 1)^3 (x - 1)^4)$$

Sequence: A029266
Score: 14.8577
Type of gen. func.: ogf_with_Euler_transform]

$$\left(\frac{1}{x^6} + 1\right) (x^9 + x^8)$$

Sequence: A029266
Score: 4.82868
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^6 + x^3 + 1)$$
$$(x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029267
Score: 14.7712
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^8 + x^2 (x + 1)$$

Sequence: A029267
Score: 4.60849
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)$$
$$(x^6 + x^3 + 1) (x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A029268
Score: 5.91565
Type of gen. func.: ogf

$$1/((x^2 - x + 1) (x^6 + x^3 + 1) (x^4 - x^2 + 1) (x^2 + 1)^2 (x + 1)^2 (x^2 + x + 1)^3$$
$$(x - 1)^4)$$

Sequence: A029268
Score: 9.90748
Type of gen. func.: ogf_with_Euler_transform]

$$x^2 (x + 1) + (x + 1) x^8 (x^2 - x + 1)$$

Sequence: A029269
Score: 14.5910
Type of gen. func.: ogf_with_Euler_transform]

```
/ 1         10    9
|---- + 1| (x   + x )
```

```
                                |  7     |
                                 x      /
```

Sequence: A029269
Score: 4.81242
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x + 1)^2 (x - 1)^4)$$

Sequence: A029270
Score: 12.7421
Type of gen. func.: ogf_with_Euler_transform]

$$x^2 (x + 1) + x^9 (x^2 + 1)$$

Sequence: A029270
Score: 4.43070
Type of gen. func.: ogf

$$1/((x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^4 - x^2 + 1) (x^2 + 1)^2 (x^2 + x + 1)^2 (x + 1)^3 (x - 1)^4)$$

Sequence: A029271
Score: 14.2806
Type of gen. func.: ogf_with_Euler_transform]

$$\left(\frac{1}{x^8} + 1\right) (x^{11} + x^{10})$$

Sequence: A029271
Score: 4.67874
Type of gen. func.: ogf

$$1/((x^2 - x + 1)(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x^4 - x^2 + 1)(x^2 + x + 1)^2 (x^2 + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029272
Score: 16.2430
Type of gen. func.: ogf_with_Euler_transform]

$$x^6 + x^5 + x^4 + x^2$$

Sequence: A029272
Score: 4.45730
Type of gen. func.: ogf

$$1/((x + 1)(x^2 - x + 1)(x^4 + x^3 + x^2 + x + 1)(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A029273
Score: 16.4079
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 + x^5 + x^4 + x^2$$

Sequence: A029273
Score: 6.55660
Type of gen. func.: ogf

$$1/((x^2 + 1)(x^4 + x^3 + x^2 + x + 1)(x^2 - x + 1)(x^4 + 1)(x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029274
Score: 16.4079
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^5 + x^4 + x^2$$

Sequence: A029274
Score: 6.02973
Type of gen. func.: ogf

$$1/((x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^6 + x^3 + 1) (x^2 + x + 1)^3 (x - 1)^4)$$

Sequence: A029275
Score: 16.3072
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^5 + x^4 + x^2$$

Sequence: A029275
Score: 4.44495
Type of gen. func.: ogf

$$1/((x^2 - x + 1) (x^4 - x^3 + x^2 - x + 1) (x + 1)^2 (x^2 + x + 1)^2 (x^4 + x^3 + x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A029275
Score: 5.00886
Type of gen. func.: lgdogf

$$- x^2 (24 x^{11} + 24 x^9 + 3 x^8 + 24 x^7 + 8 x^6 + 9 x^5 + 8 x^4 + 9 x^3 + 8 x^2 + 3) / ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1))$$

Sequence: A029276
Score: 13.3719
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^2 (x^3 + x^2 + 1)$$

Sequence: A029276
Score: 6.04673
Type of gen. func.: ogf

$$1/((x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A029277
Score: 13.5066
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^2 (x^3 + x^2 + 1)$$

Sequence: A029277
Score: 4.48938
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^2 + 1) (x + 1)^2 (x^2 - x + 1) (x^2 + x + 1)^3 (x - 1)^4)$$

Sequence: A029278
Score: 19.5845
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 + x^6 + x^4 + x^2$$

Sequence: A029278
Score: 7.12962
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1)$$

$$(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x - 1)^4)$$

Sequence: A029279
Score: 5.99274
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)$$

$$(x^4 + x^3 + x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A029280
Score: 4.60849
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)$$

$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^4)$$

Sequence: A029281
Score: 16.1779
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^6 + x^4 + x^2$$

Sequence: A029281
Score: 5.87979
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^2 + 1)$$

$$(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A029282
Score: 16.4715
Type of gen. func.: ogf_with_Euler_transform]

```
                                  8    7    4    2
```

```
                               x  + x  + x  + x
```

Sequence: A029282
Score: 5.79399
Type of gen. func.: ogf

```
             2        4    3    2            6    3        4        2         2
1/((x + 1) (x  + 1) (x  + x  + x  + x + 1) (x  + x  + 1) (x  + 1) (x  + x + 1)

           4
    (x - 1) )
```

Sequence: A029283
Score: 16.4715
Type of gen. func.: ogf_with_Euler_transform]

```
                                9    7    4    2
                               x  + x  + x  + x
```

Sequence: A029283
Score: 6.21924
Type of gen. func.: ogf

```
     2        4    3    2            2            4
1/((x  + 1) (x  - x  + x  - x + 1) (x  + x + 1) (x  + 1)

      4    3    2         2        2        4
    (x  + x  + x  + x + 1)  (x + 1)  (x - 1) )
```

Sequence: A029284
Score: 8.16561
Type of gen. func.: ogf

```
             2        4    3    2
1/((x + 1) (x  + 1) (x  + x  + x  + x + 1)

      10    9    8    7    6    5    4    3    2            2            4
    (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x  + x + 1) (x  + 1)

           4
    (x - 1) )
```

Sequence: A029285
Score: 5.96865
Type of gen. func.: ogf

$$1/((x^4 + x^3 + x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x^4 + 1) (x^2 + x + 1)^2 (x^2 + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029286
Score: 16.5341
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^8 + x^4 + x^2$$

Sequence: A029286
Score: 4.59747
Type of gen. func.: ogf

$$1/((x + 1) (x^4 - x^3 + x^2 - x + 1) (x^6 + x^3 + 1) (x^2 + x + 1)^2 (x^4 + x^3 + x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A029287
Score: 16.1404
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^8 + x^4 + x^2$$

Sequence: A029287
Score: 4.75822
Type of gen. func.: ogf

$$1/((x^4 + x^3 + x^2 + x + 1) (x^6 + x^3 + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A029288
Score: 5.86574
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 - x + 1) (x^6 + x^3 + 1) (x^4 - x^2 + 1) (x^2 + x + 1)^3 (x - 1)^4)$$

Sequence: A029289
Score: 13.5579
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^9 + (x^2 + 1) x^2$$

Sequence: A029289
Score: 4.56662
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A029290
Score: 13.6649
Type of gen. func.: ogf_with_Euler_transform]

$$x^4 + x^2 + x^9 (x^2 + 1)$$

Sequence: A029290
Score: 4.80055
Type of gen. func.: ogf

$$1/((x^2 - x + 1) (x^4 - x^3 + x^2 - x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x + 1)^2 (x^2 + x + 1)^2 (x^4 + x^3 + x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A029291
Score: 12.6005
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10}(x+1)+(x^2+1)x^2$$

Sequence: A029291
Score: 4.58331
Type of gen. func.: ogf

$$1/((x+1)(x^2-x+1)(x^4+x^3+x^2+x+1)(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x^2+1)(x^4-x^2+1)(x^2+x+1)^2(x-1)^4)$$

Sequence: A029292
Score: 16.2065
Type of gen. func.: ogf_with_Euler_transform]

$$x^7+x^6+x^5+x^2$$

Sequence: A029292
Score: 4.53771
Type of gen. func.: ogf

$$1/((x^2+1)(x^2-x+1)(x^6+x^5+x^4+x^3+x^2+x+1)(x^4+1)(x^2+x+1)^2(x+1)^2(x-1)^4)$$

Sequence: A029293
Score: 16.4327
Type of gen. func.: ogf_with_Euler_transform]

$$x^8+x^6+x^5+x^2$$

Sequence: A029293
Score: 5.98452
Type of gen. func.: ogf

$$1/((x + 1) (x^2 - x + 1) (x^6 + x^3 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^3 (x - 1)^4)$$

Sequence: A029294
Score: 16.0673
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^6 + x^5 + x^2$$

Sequence: A029294
Score: 6.18002
Type of gen. func.: ogf

$$1/((x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029295
Score: 4.37777
Type of gen. func.: ogf

$$1/((x + 1) (x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A029296
Score: 13.4748
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^2 (x^4 + x^3 + 1)$$

Sequence: A029296
Score: 4.56926
Type of gen. func.: ogf

$$1/((x^6+x^5+x^4+x^3+x^2+x+1)(x^2+1)(x^4-x^2+1)(x+1)^2 (x^2-x+1)^2 (x^2+x+1)^3 (x-1)^4)$$

Sequence: A029297
Score: 16.2298
Type of gen. func.: ogf_with_Euler_transform]

$$x^8+x^7+x^5+x^2$$

Sequence: A029297
Score: 5.91064
Type of gen. func.: ogf

$$1/((x^2+1)(x^2-x+1)(x^6+x^3+1)(x^4+1)(x+1)^2 (x^2+x+1)^3 (x-1)^4)$$

Sequence: A029298
Score: 4.44902
Type of gen. func.: ogf

$$1/((x^2+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x^2-x+1)(x^4+1)(x^2+x+1)^2 (x+1)^3 (x-1)^4)$$

Sequence: A029298
Score: 9.62484
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(-\frac{1}{x^9}+\frac{1}{x^7}-\frac{1}{x^6}+1\right) x^{11}}{(x-1)(x+1)}$$

Sequence: A029299
Score: 6.24207
Type of gen. func.: ogf

$$1/((x^2+1)(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x^2-x+1)(x^4+1)(x^2+x+1)^2(x+1)^2(x-1)^4)$$

Sequence: A029300
Score: 4.51285
Type of gen. func.: ogf

$$1/((x^4-x^2+1)(x^4+1)(x^2+1)^2(x^2-x+1)^2(x+1)^3(x^2+x+1)^3(x-1)^4)$$

Sequence: A029300
Score: 5.67021
Type of gen. func.: lgdogf

$$-\frac{x^2(29x^{13}+3x^{10}+29x^9+9x^7+3x^6+8x^5+3x^4+9x^3+3)}{(x-1)(x+1)(x^2+1)(x^4+1)(x^2+x+1)(x^2-x+1)(x^4-x^2+1)}$$

Sequence: A029301
Score: 16.1885
Type of gen. func.: ogf_with_Euler_transform]

$$x^9+x^8+x^5+x^2$$

Sequence: A029301
Score: 5.84346
Type of gen. func.: ogf

$$1/((x^2-x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x^6+x^3+1)(x+1)^2(x^2+x+1)^3(x-1)^4)$$

Sequence: A029302
Score: 5.76996

Type of gen. func.: ogf

$$1/((x + 1) (x^2 - x + 1) (x^6 + x^3 + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^3 (x - 1)^4)$$

Sequence: A029303
Score: 15.9024
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^9 + x^5 + x^2$$

Sequence: A029303
Score: 4.49895
Type of gen. func.: ogf

$$1/((x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029304
Score: 4.28714
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 - x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^2 - x + 1)^2 (x + 1)^2 (x^2 + x + 1)^3 (x - 1)^4)$$

Sequence: A029305
Score: 4.32982
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 - x^2 + 1) (x + 1)^2 (x^2 - x + 1)^2 (x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A029305
Score: 9.43051
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} (x + 1) + (x + 1) x^2 (x^2 - x + 1)$$

Sequence: A029306
Score: 16.5341
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^7 + x^6 + x^2$$

Sequence: A029306
Score: 4.47649
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + 1) (x^6 + x^3 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A029307
Score: 16.3312
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^7 + x^6 + x^2$$

Sequence: A029307
Score: 5.94758
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x + 1)^2 (x - 1)^4)$$

Sequence: A029308
Score: 5.83686
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1) (x^4 + 1) (x - 1)^4)$$

Sequence: A029309
Score: 4.84802
Type of gen. func.: ogf

$$1/((x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 - x^2 + 1) (x^4 + 1) (x^2 + x + 1)^2 (x^2 + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029310
Score: 16.3921
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^8 + x^6 + x^2$$

Sequence: A029310
Score: 5.96933
Type of gen. func.: ogf

$$1/((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^6 + x^3 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A029311
Score: 15.9024
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^8 + x^6 + x^2$$

Sequence: A029311
Score: 4.38133
Type of gen. func.: ogf

$$1/((x^6 + x^3 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A029312
Score: 5.89517
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + 1) (x^2 - x + 1) (x^6 + x^3 + 1) (x^4 - x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^3 (x - 1)^4)$$

Sequence: A029313
Score: 16.1601
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^9 + x^6 + x^2$$

Sequence: A029313
Score: 5.77254
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^4)$$

Sequence: A029314
Score: 5.73691
Type of gen. func.: ogf

$$1/((x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^2 + 1)$$

$$(x^4 - x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x + 1)^2$$

$$(x - 1)^4)$$

Sequence: A029315
Score: 4.51303
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)$$

$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 - x + 1)$$

$$(x^4 - x^2 + 1) (x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A029316
Score: 16.2903
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^8 + x^7 + x^2$$

Sequence: A029316
Score: 4.49895
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^6 + x^3 + 1)$$

$$(x^4 + 1) (x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029317
Score: 14.8965
Type of gen. func.: ogf_with_Euler_transform]

$$x^2 + x^7 (x^3 + x + 1)$$

Sequence: A029317
Score: 5.75000
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)$$
$$(x^6 + x^3 + 1) (x^4 + 1) (x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A029318
Score: 17.3119
Type of gen. func.: ogf_with_Euler_transform]

$$x^2 + x^7 (x^4 + x + 1)$$

Sequence: A029318
Score: 6.91563
Type of gen. func.: ogf

$$1/((x^2 - x + 1) (x^6 + x^3 + 1) (x^4 - x^2 + 1) (x^4 + 1) (x^2 + 1)^2 (x + 1)^2$$
$$(x^2 + x + 1)^3 (x - 1)^4)$$

Sequence: A029319
Score: 16.0603
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^9 + x^7 + x^2$$

Sequence: A029319
Score: 5.93820
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)$$
$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1) (x^4 + 1)$$
$$(x + 1)^2 (x - 1)^4)$$

Sequence: A029320
Score: 15.9606

Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^{9} + x^{7} + x^{2}$$

Sequence: A029320
Score: 4.36851
Type of gen. func.: ogf

$$1/((x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x^{4} + 1) (x^{2} + 1)^{2} (x^{2} + x + 1)^{2} (x + 1)^{3} (x - 1)^{4})$$

Sequence: A029321
Score: 13.7296
Type of gen. func.: ogf_with_Euler_transform]

$$x^{2} + x^{7} (x^{4} + x^{3} + 1)$$

Sequence: A029322
Score: 15.8608
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^{9} + x^{8} + x^{2}$$

Sequence: A029322
Score: 4.45697
Type of gen. func.: ogf

$$1/((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x^{6} + x^{3} + 1) (x^{2} + x + 1)^{2} (x - 1)^{4})$$

Sequence: A029323
Score: 14.9089
Type of gen. func.: ogf_with_Euler_transform]

$$x^2 + x^8 (x^3 + x + 1)$$

Sequence: A029323
Score: 5.90546
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^2 - x + 1) (x^6 + x^3 + 1) (x^4 - x^2 + 1) (x + 1)^2 (x^2 + x + 1)^3 (x - 1)^4)$$

Sequence: A029324
Score: 13.5197
Type of gen. func.: ogf_with_Euler_transform]

$$x^2 + x^8 (x^3 + x^2 + 1)$$

Sequence: A029325
Score: 15.7986
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^{10} + x^9 + x^2$$

Sequence: A029326
Score: 14.8697
Type of gen. func.: egf]_with_Euler_transform]

$$\frac{x^3 (x^3 + 6 x^2 + 30 x + 120)}{720}$$

Sequence: A029326
Score: 5.67357
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x + 1)^2 (x - 1)^4)$$

Sequence: A029327
Score: 16.6736
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 + x^5 + x^4 + x^3$$

Sequence: A029327
Score: 4.54447
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x^2 + 1)^2 (x + 1)^3 (x - 1)^4)$$

Sequence: A029328
Score: 16.4715
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^5 + x^4 + x^3$$

Sequence: A029328
Score: 5.99909
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 - x + 1) (x^6 + x^3 + 1) (x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029329
Score: 16.2694
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^5 + x^4 + x^3$$

Sequence: A029329
Score: 5.97839
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^2 - x + 1) (x^4 - x^3 + x^2 - x + 1) (x^2 + 1) (x^4 + x^3 + x^2 + x + 1)^2 (x + 1)^3 (x - 1)^4)$$

Sequence: A029330
Score: 14.5010
Type of gen. func.: ogf_with_Euler_transform]

$$\left(\frac{1}{x^5} + \frac{1}{x^7} + \frac{1}{x^6} + 1\right) x^{10}$$

Sequence: A029330
Score: 5.97839
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x + 1)^2 (x - 1)^4)$$

Sequence: A029331
Score: 14.5010
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^3 (x^2 + x + 1)$$

Sequence: A029331
Score: 4.52419
Type of gen. func.: ogf

$$1/((x^4 + x^3 + x^2 + x + 1) (x^4 - x^2 + 1) (x^2 + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2 (x + 1)^3 (x - 1)^4)$$

Sequence: A029332
Score: 16.4715
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 + x^6 + x^4 + x^3$$

Sequence: A029332
Score: 4.77392
Type of gen. func.: ogf

$$1/((x^4 + x^3 + x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x^2 + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029333
Score: 16.2694
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^6 + x^4 + x^3$$

Sequence: A029333
Score: 5.92549
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1) (x^6 + x^3 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^4)$$

Sequence: A029334
Score: 4.47649
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 - x^3 + x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029335
Score: 14.6465
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^3 (x^3 + x + 1)$$

Sequence: A029335
Score: 5.82975
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)$$

$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)$$

$$(x^4 + x^3 + x^2 + x + 1) (x - 1)^4)$$

Sequence: A029336
Score: 14.6465
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^3 (x^3 + x + 1)$$

Sequence: A029336
Score: 6.03796
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1)$$

$$(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 - x^2 + 1) (x^2 + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029337
Score: 16.2298
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^7 + x^4 + x^3$$

Sequence: A029337

Score: 6.42213
Type of gen. func.: ogf

$$1/((x^4+x^3+x^2+x+1)(x^2+x+1)(x^6+x^3+1)(x^4+1)(x^2+1)^2(x+1)^2(x-1)^4)$$

Sequence: A029338
Score: 16.0673
Type of gen. func.: ogf_with_Euler_transform]

$$x^9+x^7+x^4+x^3$$

Sequence: A029338
Score: 4.35041
Type of gen. func.: ogf

$$1/((x^4-x^3+x^2-x+1)(x^4+1)(x^2+1)^2(x^4+x^3+x^2+x+1)^2(x+1)^3(x-1)^4)$$

Sequence: A029339
Score: 4.58597
Type of gen. func.: ogf

$$1/((x^4+x^3+x^2+x+1)(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x^4+1)(x^2+1)^2(x+1)^2(x-1)^4)$$

Sequence: A029340
Score: 5.81495
Type of gen. func.: ogf

$$1/((x^2+x+1)(x^2-x+1)(x^4+x^3+x^2+x+1)(x^4-x^2+1)(x^4+1)(x^2+1)^3(x+1)^3(x-1)^4)$$

Sequence: A029341
Score: 21.7407
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^8 + x^4 + x^3$$

Sequence: A029341
Score: 8.51366
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 - x^3 + x^2 - x + 1) (x^2 + x + 1) (x^6 + x^3 + 1) (x^4 + x^3 + x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029342
Score: 5.91696
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^4)$$

Sequence: A029343
Score: 5.84346
Type of gen. func.: ogf

$$1/((x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^2 + 1) (x^6 + x^3 + 1) (x^2 + x + 1)^2 (x^2 + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029344
Score: 14.5196
Type of gen. func.: ogf_with_Euler_transform]

$$\left(\frac{1}{x^6} + 1\right) (x^{10} + x^9)$$

Sequence: A029344
Score: 4.65517
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 - x^3 + x^2 - x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029345
Score: 12.5232
Type of gen. func.: ogf_with_Euler_transform]

$$x^3 (x + 1) + x^9 (x^2 + 1)$$

Sequence: A029345
Score: 4.47083
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^2 - x + 1) (x^4 - x^3 + x^2 - x + 1) (x^4 - x^2 + 1) (x^2 + 1)^2 (x^4 + x^3 + x^2 + x + 1)^2 (x + 1)^3 (x - 1)^4)$$

Sequence: A029346
Score: 13.4907
Type of gen. func.: ogf_with_Euler_transform]

$$x^3 (x + 1) + x^{10} (x + 1)$$

Sequence: A029346
Score: 4.83539
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 - x^2 + 1)$$

$$(x^2 + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029347
Score: 16.4327
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 + x^6 + x^5 + x^3$$

Sequence: A029347
Score: 4.44902
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + 1)$$

$$(x^2 + 1)^2 (x + 1)^3 (x - 1)^4)$$

Sequence: A029348
Score: 16.4327
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^6 + x^5 + x^3$$

Sequence: A029348
Score: 4.86512
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^2 - x + 1) (x^6 + x^3 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)$$

$$(x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029349
Score: 16.2298
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^6 + x^5 + x^3$$

Sequence: A029349
Score: 5.70856
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x + 1)^3 (x - 1)^4)$$

Sequence: A029350
Score: 13.5250
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^3 (x^3 + x^2 + 1)$$

Sequence: A029350
Score: 6.00640
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x + 1)^2 (x - 1)^4)$$

Sequence: A029351
Score: 13.4415
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^3 (x^3 + x^2 + 1)$$

Sequence: A029351
Score: 4.40872
Type of gen. func.: ogf

$$1/((x^4 - x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2 (x + 1)^3 (x - 1)^4)$$

Sequence: A029352
Score: 16.3921
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^7 + x^5 + x^3$$

Sequence: A029352
Score: 4.55766
Type of gen. func.: ogf

$$1/((x^2 - x + 1) (x^6 + x^3 + 1) (x^4 + 1) (x^2 + 1)^2 (x^2 + x + 1)^2 (x + 1)^3 (x - 1)^4)$$

Sequence: A029353
Score: 15.9606
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^7 + x^5 + x^3$$

Sequence: A029353
Score: 4.39706
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^2 - x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x^2 + 1)^2 (x + 1)^3 (x - 1)^4)$$

Sequence: A029354
Score: 5.95354
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^2 - x + 1) (x^6 + x^3 + 1) (x^2 + x + 1)^2 (x + 1)^3 (x - 1)^4)$$

Sequence: A029355
Score: 4.86543
Type of gen. func.: ogf

$$1/((x^2+1)(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x^2-x+1)(x^6+x^3+1)(x^2+x+1)^2(x+1)^2(x-1)^4)$$

Sequence: A029356
Score: 4.38498
Type of gen. func.: ogf

$$1/((x^4-x^2+1)(x^6+x^3+1)(x^2+1)^2(x^2-x+1)^2(x+1)^3(x^2+x+1)^3(x-1)^4)$$

Sequence: A029357
Score: 15.7611
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10}+x^9+x^5+x^3$$

Sequence: A029357
Score: 5.63001
Type of gen. func.: ogf

$$1/((x^2+x+1)(x^2-x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x^2+1)(x+1)(x-1)^4)$$

Sequence: A029358
Score: 12.5023
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10}(x+1)+x^3(x^2+1)$$

Sequence: A029358
Score: 4.51639
Type of gen. func.: ogf

$$1/((x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)\,(x^4-x^2+1)\,(x^2+1)^2\,(x^2+x+1)^2\,(x^2-x+1)^2\,(x+1)^3\,(x-1)^4)$$

Sequence: A029359
Score: 16.2903
Type of gen. func.: ogf_with_Euler_transform]

$$x^8+x^7+x^6+x^3$$

Sequence: A029359
Score: 4.52935
Type of gen. func.: ogf

$$1/((x^2+x+1)\,(x^6+x^3+1)\,(x^6+x^5+x^4+x^3+x^2+x+1)\,(x^4+1)\,(x^2+1)^2\,(x+1)^2\,(x-1)^4)$$

Sequence: A029360
Score: 16.3499
Type of gen. func.: ogf_with_Euler_transform]

$$x^9+x^7+x^6+x^3$$

Sequence: A029360
Score: 4.39706
Type of gen. func.: ogf

$$1/((x^4+x^3+x^2+x+1)\,(x^4-x^3+x^2-x+1)\,(x^6+x^5+x^4+x^3+x^2+x+1)\,(x^4+1)\,(x^2+1)^2\,(x+1)^3\,(x-1)^4)$$

Sequence: A029361
Score: 10.7832
Type of gen. func.: ogf_with_Euler_transform]

$$x^3 (x + 1) (x^2 - x + 1) (x^4 + 1)$$

Sequence: A029361
Score: 6.34746
Type of gen. func.: ogf

$$1/((x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x^2 + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029362
Score: 5.86250
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 - x^2 + 1) (x^4 + 1) (x^2 + 1)^3 (x + 1)^3 (x - 1)^4)$$

Sequence: A029363
Score: 16.4520
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^8 + x^6 + x^3$$

Sequence: A029363
Score: 4.42454
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^2 + x + 1) (x^6 + x^3 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x + 1)^2 (x - 1)^4)$$

Sequence: A029364
Score: 5.80633
Type of gen. func.: ogf

$$1/((x+1)(x^2+x+1)(x^6+x^3+1)(x^6+x^5+x^4+x^3+x^2+x+1)(x^2+1)(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^4)$$

Sequence: A029365
Score: 4.82230
Type of gen. func.: ogf

$$1/((x^2-x+1)(x^6+x^3+1)(x^6+x^5+x^4+x^3+x^2+x+1)(x^4-x^2+1)(x^2+x+1)^2(x^2+1)^2(x+1)^2(x-1)^4)$$

Sequence: A029366
Score: 5.68561
Type of gen. func.: ogf

$$1/((x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x^6+x^5+x^4+x^3+x^2+x+1)(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x^2+1)(x+1)^2(x-1)^4)$$

Sequence: A029367
Score: 4.51639
Type of gen. func.: ogf

$$1/((x^2+x+1)(x^2-x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x^6+x^5+x^4+x^3+x^2+x+1)(x^4-x^2+1)(x^2+1)^2(x+1)^3(x-1)^4)$$

Sequence: A029368

```
Score: 5.63352
Type of gen. func.: ogf


     2            2            6    5    4    3    2
1/((x  + x + 1) (x  - x + 1) (x  + x  + x  + x  + x  + x + 1)

      10    9    8    7    6    5    4    3    2            4    2
    (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x  - x  + 1)

      2     2        2        4
    (x  + 1)  (x + 1)  (x - 1) )



-------------------------------------------------------------------------------

Sequence:  A029369
Score: 16.3060
Type of gen. func.: ogf_with_Euler_transform]


                                9    8    7    3
                               x  + x  + x  + x



-------------------------------------------------------------------------------

Sequence:  A029369
Score: 4.50270
Type of gen. func.: ogf


     4    3    2            4    3    2            2            6    3
1/((x  + x  + x  + x + 1) (x  - x  + x  - x + 1) (x  + x + 1) (x  + x  + 1)

      4        2     2        3        4
    (x  + 1) (x  + 1)  (x + 1)  (x - 1) )



-------------------------------------------------------------------------------

Sequence:  A029370
Score: 14.6697
Type of gen. func.: ogf_with_Euler_transform]


                               3    7   3
                              x  + x  (x  + x + 1)



-------------------------------------------------------------------------------

Sequence:  A029370
Score: 4.32982
Type of gen. func.: ogf


     2            6    3
1/((x  + x + 1) (x  + x  + 1)

      10    9    8    7    6    5    4    3    2            4        2     2
    (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x  + 1) (x  + 1)

           2        4
    (x + 1)  (x - 1) )
```

Sequence: A029371
Score: 5.77038
Type of gen. func.: ogf

$$1/((x^2 - x + 1) (x^6 + x^3 + 1) (x^4 - x^2 + 1) (x^4 + 1) (x^2 + x + 1)^2 (x^2 + 1)^3$$

$$(x + 1)^3 (x - 1)^4)$$

Sequence: A029372
Score: 15.6725
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^9 + x^7 + x^3$$

Sequence: A029372
Score: 4.40347
Type of gen. func.: ogf

$$1/((x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)$$

$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x^2 + 1)^2$$

$$(x + 1)^3 (x - 1)^4)$$

Sequence: A029374
Score: 15.9739
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^9 + x^8 + x^3$$

Sequence: A029374
Score: 4.48815
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)$$

$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)$$

$$(x^6 + x^3 + 1)\,(x + 1)^2\,(x - 1)^4)$$

Sequence: A029375
Score: 14.9605
Type of gen. func.: ogf_with_Euler_transform]

$$x^3 + x^8\,(x^3 + x + 1)$$

Sequence: A029376
Score: 13.5664
Type of gen. func.: ogf_with_Euler_transform]

$$x^3 + x^8\,(x^3 + x^2 + 1)$$

Sequence: A029377
Score: 14.9170
Type of gen. func.: ogf_with_Euler_transform]

$$x^3 + x^9\,(x^2 + x + 1)$$

Sequence: A029378
Score: 14.5096
Type of gen. func.: egf]_with_Euler_transform]

$$\frac{x^4\,(x^3 + 7\,x^2 + 42\,x + 210)}{5040}$$

Sequence: A029378
Score: 5.59830
Type of gen. func.: ogf

$$1/((x^2 + x + 1)\,(x^2 - x + 1)\,(x^4 + x^3 + x^2 + x + 1)\,(x^2 + 1)$$

$$(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\,(x^4 + 1)\,(x + 1)^2\,(x - 1)^4)$$

Sequence: A029379
Score: 16.3921
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^6 + x^5 + x^4$$

Sequence: A029379
Score: 4.55766
Type of gen. func.: ogf

$$1/((x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^6 + x^3 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A029380
Score: 16.2903
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^6 + x^5 + x^4$$

Sequence: A029380
Score: 4.49895
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^2 - x + 1) (x^4 - x^3 + x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029381
Score: 5.75000
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^4)$$

Sequence: A029382
Score: 14.4816
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^{4} (x^{2} + x + 1)$$

Sequence: A029382
Score: 5.71407
Type of gen. func.: ogf

$$1/((x^{2} + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{2} + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x + 1)^{2} (x^{2} - x + 1)^{2} (x^{2} + x + 1)^{2} (x - 1)^{4})$$

Sequence: A029383
Score: 16.5542
Type of gen. func.: ogf_with_Euler_transform]

$$x^{8} + x^{7} + x^{5} + x^{4}$$

Sequence: A029383
Score: 4.76336
Type of gen. func.: ogf

$$1/((x^{2} + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{2} - x + 1) (x^{6} + x^{3} + 1) (x^{4} + 1) (x^{2} + x + 1)^{2} (x + 1)^{2} (x - 1)^{4})$$

Sequence: A029384
Score: 16.3499
Type of gen. func.: ogf_with_Euler_transform]

$$x^{9} + x^{7} + x^{5} + x^{4}$$

Sequence: A029384
Score: 4.39706
Type of gen. func.: ogf

$$1/((x^2+1)(x^4-x^3+x^2-x+1)(x^2+x+1)(x^2-x+1)(x^4+1)(x^4+x^3+x^2+x+1)^2(x+1)^3(x-1)^4)$$

Sequence: A029385
Score: 5.91634
Type of gen. func.: ogf

$$1/((x^2+1)(x^4+x^3+x^2+x+1)(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x^2+x+1)(x^2-x+1)(x^4+1)(x+1)^2(x-1)^4)$$

Sequence: A029386
Score: 14.7164
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11}+x^4(x^3+x+1)$$

Sequence: A029386
Score: 4.55934
Type of gen. func.: ogf

$$1/((x^4+x^3+x^2+x+1)(x^4-x^2+1)(x^4+1)(x^2+1)^2(x^2+x+1)^2(x^2-x+1)^2(x+1)^3(x-1)^4)$$

Sequence: A029387
Score: 16.1455
Type of gen. func.: ogf_with_Euler_transform]

$$x^9+x^8+x^5+x^4$$

Sequence: A029387
Score: 4.74529
Type of gen. func.: ogf

$$1/((x^2 - x + 1) (x^4 - x^3 + x^2 - x + 1) (x^6 + x^3 + 1) (x + 1)^2 (x^2 + x + 1)^2 (x^4 + x^3 + x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A029388
Score: 7.70464
Type of gen. func.: ogf

$$1/((x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^6 + x^3 + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A029389
Score: 4.53102
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^2 + 1) (x^6 + x^3 + 1) (x + 1)^2 (x^2 - x + 1)^2 (x^2 + x + 1)^3 (x - 1)^4)$$

Sequence: A029390
Score: 15.5173
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^9 + x^5 + x^4$$

Sequence: A029390
Score: 6.00022
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^2 - x + 1) (x^4 - x^3 + x^2 - x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)$$

$$(x^4 + x^3 + x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029391
Score: 12.4197
Type of gen. func.: ogf_with_Euler_transform]

$$x^4 (x + 1) + x^9 (x^2 + 1)$$

Sequence: A029391
Score: 4.28910
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 - x^3 + x^2 - x + 1) (x^4 - x^2 + 1) (x^2 + x + 1)^2 (x^2 - x + 1)^2$$

$$(x^4 + x^3 + x^2 + x + 1)^2 (x + 1)^3 (x - 1)^4)$$

Sequence: A029392
Score: 13.2951
Type of gen. func.: ogf_with_Euler_transform]

$$x^4 (x + 1) + x^{10} (x + 1)$$

Sequence: A029392
Score: 6.11939
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 + x^3 + x^2 + x + 1)$$

$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 - x^2 + 1)$$

$$(x + 1)^2 (x^2 - x + 1)^2 (x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A029393
Score: 16.2477
Type of gen. func.: ogf_with_Euler_transform]

8   7   6   4

$$x + x + x + x$$

Sequence: A029393
Score: 4.39833
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1) (x^6 + x^3 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x - 1)^4)$$

Sequence: A029394
Score: 16.3060
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^7 + x^6 + x^4$$

Sequence: A029394
Score: 4.79216
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 - x^3 + x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x^4 + x^3 + x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029395
Score: 4.41256
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x - 1)^4)$$

Sequence: A029396
Score: 13.5024
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^{4} (x^{3} + x^{2} + 1)$$

Sequence: A029396
Score: 5.99520
Type of gen. func.: ogf

$$1/((x^{2} + x + 1) (x^{2} - x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{2} + 1) (x^{4} + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x^{2} + 1)^{2} (x + 1)^{2} (x - 1)^{4})$$

Sequence: A029397
Score: 16.1009
Type of gen. func.: ogf_with_Euler_transform]

$$x^{9} + x^{8} + x^{6} + x^{4}$$

Sequence: A029397
Score: 4.32982
Type of gen. func.: ogf

$$1/((x + 1) (x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x^{6} + x^{3} + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1)^{2} (x - 1)^{4})$$

Sequence: A029398
Score: 12.5023
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(-\frac{1}{x^{8}} + 1\right) x^{12}}{(x + 1) (x - 1)}$$

Sequence: A029398
Score: 4.83899
Type of gen. func.: ogf

2 4 3 2 6 3

$1/((x + x + 1) (x + x + x + x + 1) (x + x + 1)$

$(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)$

$(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{4})$

Sequence: A029399
Score: 5.88279
Type of gen. func.: ogf

$$1/((x + 1) (x^{2} + 1) (x^{2} - x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{6} + x^{3} + 1)$$

$$(x^{4} - x^{2} + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x^{2} + x + 1)^{2} (x - 1)^{4})$$

Sequence: A029400
Score: 15.8734
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^{9} + x^{6} + x^{4}$$

Sequence: A029400
Score: 4.45993
Type of gen. func.: ogf

$$1/((x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)$$

$$(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)$$

$$(x^{4} + x^{3} + x^{2} + x + 1)^{2} (x - 1)^{4})$$

Sequence: A029401
Score: 6.27160
Type of gen. func.: ogf

$$1/((x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x^{4} - x^{2} + 1)$$

$$(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1)^{2} (x + 1)^{2} (x - 1)^{4})$$

Sequence: A029402
Score: 12.3887
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} (x + 1) + x^4 (x^2 + 1)$$

Sequence: A029403
Score: 16.3635
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^8 + x^7 + x^4$$

Sequence: A029403
Score: 4.51828
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 - x^3 + x^2 - x + 1) (x^2 + x + 1) (x^4 + 1) (x^6 + x^3 + 1) (x^4 + x^3 + x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029404
Score: 4.48986
Type of gen. func.: ogf

$$1/((x + 1) (x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1) (x^4 + 1) (x^6 + x^3 + 1) (x - 1)^4)$$

Sequence: A029405
Score: 11.0364
Type of gen. func.: ogf_with_Euler_transform]

$$x^4 (x + 1) (x^2 - x + 1) (x^4 + 1)$$

Sequence: A029405

Score: 4.69106
Type of gen. func.: ogf

$$1/((x^4+x^3+x^2+x+1)(x^2-x+1)(x^6+x^3+1)(x^4-x^2+1)(x^4+1)(x^2+x+1)^2(x^2+1)^2(x+1)^2(x-1)^4)$$

Sequence: A029406
Score: 15.7267
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10}+x^9+x^7+x^4$$

Sequence: A029406
Score: 4.30368
Type of gen. func.: ogf

$$1/((x^2+1)(x^4-x^3+x^2-x+1)(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x^4+1)(x^4+x^3+x^2+x+1)^2(x+1)^2(x-1)^4)$$

Sequence: A029409
Score: 14.5842
Type of gen. func.: ogf_with_Euler_transform]

$$x^4+x^8(x^2+x+1)$$

Sequence: A029410
Score: 14.9667
Type of gen. func.: ogf_with_Euler_transform]

$$x^4+x^8(x^3+x+1)$$

Sequence: A029411
Score: 13.7450
Type of gen. func.: ogf_with_Euler_transform]

$$x^4 + x^8 (x^3 + x^2 + 1)$$

Sequence: A029412
Score: 14.8258
Type of gen. func.: ogf_with_Euler_transform]

$$x^4 + x^9 (x^2 + x + 1)$$

Sequence: A029413
Score: 14.0318
Type of gen. func.: egf]_with_Euler_transform]

$$\frac{x^5 (x^3 + 8 x^2 + 56 x + 336)}{40320}$$

Sequence: A029413
Score: 5.51184
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^2 - x + 1) (x^6 + x^3 + 1) (x^4 + 1)$$

$$(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029414
Score: 16.4664
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^7 + x^6 + x^5$$

Sequence: A029414
Score: 4.54670
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1)$$

4   3   2   4   6   5   4   3   2   3

```
    (x  - x  + x  - x + 1) (x  + 1) (x  + x  + x  + x  + x  + x + 1) (x + 1)

           4
    (x - 1) )
```

Sequence: A029415
Score: 15.8734
Type of gen. func.: ogf_with_Euler_transform]

```
                                10    7    6    5
                               x   + x  + x  + x
```

Sequence: A029415
Score: 4.48986
Type of gen. func.: ogf

```
     2        6    5    4    3    2
1/((x  + 1) (x  + x  + x  + x  + x  + x + 1)

      10    9    8    7    6    5    4    3    2            2
    (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x  + x + 1)

      2            4             2        4
    (x  - x + 1) (x  + 1) (x + 1)  (x - 1) )
```

Sequence: A029416
Score: 14.3097
Type of gen. func.: ogf_with_Euler_transform]

```
                              11    5   2
                             x   + x  (x  + x + 1)
```

Sequence: A029416
Score: 4.31713
Type of gen. func.: ogf

```
     6    5    4    3    2            4        4    2        2     2
1/((x  + x  + x  + x  + x  + x + 1) (x  + 1) (x  - x  + 1) (x  + 1)

      2         2   2         2        3        4
    (x  + x + 1)  (x  - x + 1)  (x + 1)  (x - 1) )
```

Sequence: A029417
Score: 16.2606
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^8 + x^6 + x^5$$

Sequence: A029417
Score: 4.77849
Type of gen. func.: ogf

$$1/((x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^6 + x^3 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029418
Score: 4.44288
Type of gen. func.: ogf

$$1/((x + 1) (x^2 - x + 1) (x^6 + x^3 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A029419
Score: 4.54877
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^6 + x^3 + 1) (x^4 - x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x + 1)^2 (x^2 - x + 1)^2 (x^2 + x + 1)^3 (x - 1)^4)$$

Sequence: A029420
Score: 11.4613
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(- \frac{1}{x^8} + 1\right) x^{13}}{(x^2 + 1) (x - 1)}$$

Sequence: A029421
Score: 4.53327
Type of gen. func.: ogf

$$1/((x^2+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x^4-x^2+1)(x^6+x^5+x^4+x^3+x^2+x+1)(x^2+x+1)^2(x^2-x+1)^2(x+1)^3(x-1)^4)$$

Sequence: A029422
Score: 13.3848
Type of gen. func.: ogf_with_Euler_transform]

$$(x+1)\,x^5+x^{10}\,(x+1)$$

Sequence: A029422
Score: 4.76196
Type of gen. func.: ogf

$$1/((x^2+1)(x^6+x^5+x^4+x^3+x^2+x+1)(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x^4-x^2+1)(x+1)^2(x^2-x+1)^2(x^2+x+1)^2(x-1)^4)$$

Sequence: A029423
Score: 16.4201
Type of gen. func.: ogf_with_Euler_transform]

$$x^9+x^8+x^7+x^5$$

Sequence: A029423
Score: 4.41511
Type of gen. func.: ogf

$$1/((x^2+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x^2-x+1)(x^6+x^3+1)(x^4+1)(x^2+x+1)^2(x+1)^3(x-1)^4)$$

Sequence: A029424
Score: 16.0836
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^8 + x^7 + x^5$$

Sequence: A029424
Score: 4.84119
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 - x + 1)$$

$$(x^6 + x^3 + 1) (x^4 + 1) (x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A029425
Score: 4.50629
Type of gen. func.: ogf

$$1/((x^6 + x^3 + 1) (x^4 + 1) (x^4 - x^2 + 1) (x^2 + 1)^2 (x^2 - x + 1)^2 (x + 1)^3$$

$$(x^2 + x + 1)^3 (x - 1)^4)$$

Sequence: A029426
Score: 16.1373
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^9 + x^7 + x^5$$

Sequence: A029426
Score: 4.53327
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)$$

$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)$$

```
      2             4              3        4
```

```
    (x  - x + 1) (x  + 1) (x + 1)  (x - 1) )



------------------------------------------------------------------------------

Sequence:  A029428
Score: 15.9343
Type of gen. func.: ogf_with_Euler_transform]


                                10    9    8    5
                               x   + x  + x  + x



------------------------------------------------------------------------------

Sequence:  A029431
Score: 14.7782
Type of gen. func.: ogf_with_Euler_transform]


                               5    9   2
                              x  + x  (x  + x + 1)



------------------------------------------------------------------------------

Sequence:  A029432
Score: 13.5649
Type of gen. func.: egf]_with_Euler_transform]


                           6   3      2
                          x  (x  + 9 x  + 72 x + 504)
                          ---------------------------
                                    362880



------------------------------------------------------------------------------

Sequence:  A029432
Score: 5.38538
Type of gen. func.: ogf


     2        4    3    2            4    3    2            2
1/((x  + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1) (x  + x + 1)

      6    3        4        6    5    4    3    2                 2        4
    (x  + x  + 1) (x  + 1) (x  + x  + x  + x  + x  + x + 1) (x + 1)  (x - 1) )



------------------------------------------------------------------------------

Sequence:  A029433
Score: 15.7801
Type of gen. func.: ogf_with_Euler_transform]


                                10    8    7    6
                               x   + x  + x  + x



------------------------------------------------------------------------------
```

Sequence: A029433
Score: 4.34626
Type of gen. func.: ogf

$$1/((x+1)(x^2+x+1)(x^6+x^3+1)(x^6+x^5+x^4+x^3+x^2+x+1)(x^2+1)(x^4+1)(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^4)$$

Sequence: A029434
Score: 14.5487
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11}+x^6\,(x^2+x+1)$$

Sequence: A029435
Score: 15.8328
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10}+x^9+x^7+x^6$$

Sequence: A029437
Score: 11.5028
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(-\frac{1}{x^8}+1\right)x^{14}}{(x^2+1)(x-1)}$$

Sequence: A029438
Score: 15.8848
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10}+x^9+x^8+x^6$$

Sequence: A029441
Score: 14.8251
Type of gen. func.: ogf_with_Euler_transform]

$$x^6 + x^9 (x^2 + x + 1)$$

Sequence: A029442
Score: 14.6465
Type of gen. func.: egf]_with_Euler_transform]

$$\frac{x^7 (x^3 + 10 x^2 + 90 x + 720)}{3628800}$$

Sequence: A029442
Score: 5.97508
Type of gen. func.: ogf

$$1/((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)$$
$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1) (x^4 + 1)$$
$$(x^6 + x^3 + 1) (x + 1)^2 (x - 1)^4)$$

Sequence: A029443
Score: 15.6295
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^9 + x^8 + x^7$$

Sequence: A029444
Score: 15.5147
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^{10} + x^8 + x^7$$

Sequence: A029445
Score: 15.3622
Type of gen. func.: ogf_with_Euler_transform]

11   10   9   7

$$x + x + x + x$$

Sequence: A029446
Score: 11.9587
Type of gen. func.: egf]_with_Euler_transform]

$$\frac{x^8 (x^3 + 11 x^2 + 110 x + 990)}{39916800}$$

Sequence: A029546
Score: 14.1592
Type of gen. func.: lgdogf

$$- \frac{3 x^2 - 70 x + 35}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A029546
Score: 17.2172
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A029546
Score: 5.69043
Type of gen. func.: ogf

$\{a(n + 3) - 35 a(n + 2) + 35 a(n + 1) - a(n), a(0) = 1, a(1) = 35, a(2) = 1190\}$

Sequence: A029546
Score: 6.16029
Type of gen. func.: ogf

$$(1332903 f(x) - 103) (f(x) x^3 - 35 f(x) x^2 + 35 f(x) x - f(x) + 1)$$

Sequence: A029547
Score: 10.7733
Type of gen. func.: revogf

$$-\frac{-1 - 34 x + (36 x + 1)^{1/2} (32 x + 1)^{1/2}}{2 x}$$

Sequence: A029547
Score: 14.8943
Type of gen. func.: ogf

$$\frac{1}{x^2 - 34 x + 1}$$

Sequence: A029547
Score: 21.5467
Type of gen. func.: lgdogf

$$-\frac{2 (-17 + x)}{x^2 - 34 x + 1}$$

Sequence: A029547
Score: 6.02863
Type of gen. func.: ogf

$$\{-a(n + 2) + 34 a(n + 1) - a(n), a(0) = 1, a(1) = 34\}$$

Sequence: A029547
Score: 7.99371
Type of gen. func.: ogf

$$(577 f(x) + 1) (f(x) x^2 - 34 f(x) x + f(x) - 1)$$

Sequence: A029548
Score: 10.7733
Type of gen. func.: revogf

$$-\frac{-32 x - 1 + (30 x + 1)^{1/2} (1 + 34 x)^{1/2}}{2 x}$$

Sequence: A029548
Score: 14.8943
Type of gen. func.: ogf

$$\frac{1}{x^2 - 32 x + 1}$$

Sequence: A029548
Score: 21.5467
Type of gen. func.: lgdogf

$$-\frac{2 (-16 + x)}{x^2 - 32 x + 1}$$

Sequence: A029548
Score: 6.02863
Type of gen. func.: ogf

$$\{-a(n + 2) + 32 a(n + 1) - a(n), a(0) = 1, a(1) = 32\}$$

Sequence: A029548
Score: 6.02864
Type of gen. func.: ogf

$$(511 f(x) + 1) (f(x) x^2 - 32 f(x) x + f(x) - 1)$$

Sequence: A029549
Score: 11.7393
Type of gen. func.: ogf

$$-\frac{6 x}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A029549
Score: 13.3081
Type of gen. func.: lgdogf

$$-\frac{3x^2 - 70x + 35}{(x-1)(x^2 - 34x + 1)}$$

Sequence: A029549
Score: 4.79778
Type of gen. func.: ogf

{a(n + 3) - 35 a(n + 2) + 35 a(n + 1) - a(n), a(0) = 0, a(1) = 6, a(2) = 210}

Sequence: A029549
Score: 6.98412
Type of gen. func.: ogf

$$f(x)\,x^3 - 35\,f(x)\,x^2 + 35\,f(x)\,x - f(x) + 6\,x$$

Sequence: A029552
Score: 15.2332
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3x^2 + 2x - 3}{-x^4 + 1}$$

Sequence: A029571
Score: 14.1009
Type of gen. func.: lgdegf]

$$\frac{x^8 - x^7 - 24x^4 + 24x^3 - 48}{48(x-1)}$$

Sequence: A029571

Score: 3.06192
Type of gen. func.: egf]

$$-48 x^4 (x^7 + x^6 + x^5 + x^4 - 23 x^3 - 960) / (23 x^{11} - 960 x^9 + 576 x^8 + 552 x^7 - 23040 x^5 + 18432 x^4 + 4416 x^3 - 184320 x + 184320)$$

Sequence: A029572
Score: 10.8508
Type of gen. func.: egf]

$$-\frac{60 x^5}{(x - 1) (x^{10} + 30 x^5 + 300)}$$

Sequence: A029572
Score: 22.4333
Type of gen. func.: lgdegf]

$$-\frac{16 x^5 - 15 x^4 + 30}{(x - 1) (x^5 + 30)}$$

Sequence: A029573
Score: 7.22004
Type of gen. func.: egf]

$$-\frac{72 x^6 (x + 1) (x^2 - x + 1) (x^2 + x + 1)}{35 x^{12} + 396 x^6 - 432}$$

Sequence: A029574
Score: 6.16916
Type of gen. func.: egf]

$$\frac{2 x^7 (x^6 + x^5 + 42 x^2 + 42 x + 42)}{x^{12} - 42 x^{10} + 28 x^7 + 14 x^5 - 588 x^3 + 588}$$

Sequence: A029575
Score: 15.4169
Type of gen. func.: egf]

$$-\frac{2 x^{8}}{(x - 1) (x^{8} + 16)}$$

Sequence: A029576
Score: 12.012
Type of gen. func.: egf]

$$f(x) (x^{9} + 9 f(x) x - 9 f(x))$$

Sequence: A029576
Score: 14.5958
Type of gen. func.: lgdegf]

$$\frac{x^{7} + x^{6} + 4 x + 2}{x^{6} - 4 x^{2} + 2 x + 2}$$

Sequence: A029576
Score: 14.7647
Type of gen. func.: egf]

$$-\frac{2 x^{9}}{(x - 1) (x^{9} + 18)}$$

Sequence: A029577
Score: 13.8563
Type of gen. func.: egf]

$$-\frac{2 x^{10}}{(x - 1) (x^{10} + 20)}$$

Sequence: A029577
Score: 24.2039
Type of gen. func.: lgdegf]

$$a(n + 1) - a(n), a(0) = 1$$

Sequence: A029578
Score: 15.7061
Type of gen. func.: ogf

$$\frac{x^2 (2 x + 1)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A029578
Score: 24.6288
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^2 + 2 x + 1)}{(x - 1) (2 x + 1) (x + 1)}$$

Sequence: A029578
Score: 6.04897
Type of gen. func.: ogf

$$\{(-3 n^2 - 7 n - 2) a(n + 1) + 4 a(n + 2) + (3 n^2 + n - 2) a(n + 3), a(0) = 0,$$
$$a(1) = 0, a(2) = 1\}$$

Sequence: A029578
Score: 9.6263
Type of gen. func.: ogf

$$(2 f(x) - 1) (f(x) x^4 - 2 f(x) x^2 - 2 x^3 - x^2 + f(x))$$

Sequence: A029579
Score: 15.6564
Type of gen. func.: ogf

$$\frac{x^3 + x + 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A029579
Score: 21.8813
Type of gen. func.: lgdogf

$$- \frac{x^4 + 6 x^2 + 4 x + 1}{(x - 1) (x + 1) (x^3 + x + 1)}$$

Sequence: A029579
Score: 9.10628
Type of gen. func.: ogf

$$-(6 f(x) - 65) (f(x) x^4 - 2 f(x) x^2 - x^3 + f(x) - x - 1)$$

Sequence: A029580
Score: 5.26506
Type of gen. func.: ogf

$$- (4094 x^{12} - 2048 x^{11} - 1024 x^{10} - 512 x^9 - 256 x^8 - 128 x^7 - 64 x^6 - 32 x^5 - 16 x^4 - 8 x^3 - 4 x^2 - 3 x - 1) / (x - 1)^2$$

Sequence: A029587
Score: 13.2196
Type of gen. func.: lgdegf]

$$\frac{x^8 - x^7 - 24 x^4 + 24 x^3 - 48}{48 (x - 1)}$$

Sequence: A029587
Score: 5.03191
Type of gen. func.: egf]

$$\frac{8 x^{4} (x + 1) (x^{2} + 1) (x^{4} - 960)}{937 x^{12} + 21912 x^{8} + 161472 x^{4} - 184320}$$

Sequence: A029588
Score: 10.9629
Type of gen. func.: egf]

$$- \frac{5 x^{5}}{2 (x - 1) (x^{10} + 30 x^{5} + 300)}$$

Sequence: A029588
Score: 13.6108
Type of gen. func.: lgdegf]

$$- \frac{16 x^{5} - 15 x^{4} + 30}{(x - 1) (x^{5} + 30)}$$

Sequence: A029609
Score: 15.4135
Type of gen. func.: lgdogf

$$- \frac{5 (5 + 3 (1 - 4 x)^{1/2})}{2 (9 x + 4) (4 x - 1)}$$

Sequence: A029609
Score: 6.55473
Type of gen. func.: ogf

$$\{(-4 n - 2) a(n) + (n + 1) a(n + 1), a(0) = 1, a(1) = 5\}$$

Sequence: A029609
Score: 8.06737
Type of gen. func.: ogf

$$-4 f(x)^{2} x + f(x)^{2} - 12 f(x) x + 3 f(x) - 9 x - 4$$

Sequence: A029651
Score: 18.2403
Type of gen. func.: lgdogf

$$-\frac{3 (3 + (1 - 4 x)^{1/2})}{2 (x + 2) (4 x - 1)}$$

Sequence: A029651
Score: 6.97424
Type of gen. func.: ogf

$$\{(-4 n - 2) a(n) + (n + 1) a(n + 1), a(0) = 1, a(1) = 3\}$$

Sequence: A029651
Score: 8.69515
Type of gen. func.: ogf

$$-4 f(x)^{2} x + f(x)^{2} - 4 f(x) x + f(x) - x - 2$$

Sequence: A029674
Score: 4.40962
Type of gen. func.: ogf

$$x (2 x^{33} - 2 x^{32} - 4 x^{28} + 6 x^{27} + x^{26} - x^{25} + 4 x^{18} - 6 x^{17} + x^{16} - x^{15} + 2 x - 3) / ((2 x^{27} - 2 x^{17} - 1) (x - 1)^{2})$$

Sequence: A029697
Score: 11.6145
Type of gen. func.: lgdogf

^{2}

$$-\frac{4\ (720\ x\ -\ 72\ x + 5)}{(4\ x - 1)\ (36\ x - 1)\ (20\ x - 1)}$$

Sequence: A029697
Score: 12.3103
Type of gen. func.: ogf

$$-\frac{6\ (20\ x - 1)}{(36\ x - 1)\ (4\ x - 1)}$$

Sequence: A029697
Score: 12.7477
Type of gen. func.: revogf

$$-\frac{-3 - 20\ x + (256\ x^{2} + 9)^{1/2}}{24\ (6\ x + 5)}$$

Sequence: A029697
Score: 6.21732
Type of gen. func.: ogf

$$-(728\ f(x) - 2493)\ (144\ f(x)\ x^{2} - 40\ f(x)\ x + f(x) + 120\ x - 6)$$

Sequence: A029697
Score: 7.07488
Type of gen. func.: ogf

$$\{a(n + 2) - 40\ a(n + 1) + 144\ a(n),\ a(0) = 6,\ a(1) = 120\}$$

Sequence: A029698
Score: 4.65327
Type of gen. func.: ogf

$$-(4542160\ f(x) + 4179809)$$

$$(10000\ f(x)\ x^{3} - 3000\ f(x)\ x^{2} + 129\ f(x)\ x + 7000\ x^{2} - f(x) - 950\ x + 10)$$

Sequence: A029698
Score: 5.16222
Type of gen. func.: ogf

$$\{-a(n + 3) + 129 a(n + 2) - 3000 a(n + 1) + 10000 a(n), a(0) = 10, a(1) = 340, a(2) = 20860\}$$

Sequence: A029698
Score: 8.69426
Type of gen. func.: ogf

$$-\frac{10 (700 x^2 - 95 x + 1)}{(100 x - 1) (4 x - 1) (25 x - 1)}$$

Sequence: A029699
Score: 14.6513
Type of gen. func.: lgdogf

$$-\frac{3 (5 x^2 - 26 x - 9)}{(x - 1) (5 x^2 - 22 x - 1)}$$

Sequence: A029699
Score: 3.94723
Type of gen. func.: ogf

$$\{(-3 - n) a(n + 4) + (-15 - 21 n) a(n + 3) + (105 + 27 n) a(n + 2) + (-15 - 5 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 27, a(3) = 120\}$$

Sequence: A029699
Score: 9.58613
Type of gen. func.: ogf

$$\frac{x (5 x^2 - 22 x - 1)}{(x - 1)^5}$$

Sequence: A029700
Score: 5.87727
Type of gen. func.: ogf

$$-\frac{x\,(481\,x^{4}-1624\,x^{3}+2256\,x^{2}+236\,x+1)}{(x-1)^{7}}$$

Sequence: A029700
Score: 7.01496
Type of gen. func.: lgdogf

$$-\frac{3\,(481\,x^{4}-1524\,x^{3}+2136\,x^{2}+1976\,x+81)}{(x-1)\,(481\,x^{4}-1624\,x^{3}+2256\,x^{2}+236\,x+1)}$$

Sequence: A029739
Score: 12.0091
Type of gen. func.: ogf

$$\frac{(2\,x+1)\,(x^{2}+1)}{(x^{2}+x+1)\,(x-1)^{2}}$$

Sequence: A029739
Score: 12.4931
Type of gen. func.: lgdogf

$$-\frac{2\,x^{5}+4\,x^{4}+9\,x^{3}+13\,x^{2}+5\,x+3}{(x-1)\,(2\,x+1)\,(x^{2}+1)\,(x^{2}+x+1)}$$

Sequence: A029739
Score: 5.02198
Type of gen. func.: ogf

$\{(-3\,n-10)\,a(n+1)-3\,a(n+2)-3\,a(n+3)+(3\,n+7)\,a(n+4),\ a(0)=1,$

$a(1)=3,\ a(2)=4,\ a(3)=7\}$

Sequence: A029739
Score: 6.90522
Type of gen. func.: ogf

$$(9 f(x) + 22) (f(x) x^4 - f(x) x^3 - 2 x^3 - f(x) x - x^2 + f(x) - 2 x - 1)$$

Sequence: A029744
Score: 10.4903
Type of gen. func.: ogf

$$-(3 f(x) - 1) (2 f(x) x^2 + x^2 - f(x) + 2 x + 1)$$

Sequence: A029744
Score: 16.9130
Type of gen. func.: ogf

$$-\frac{(x + 1)^2}{2 x^2 - 1}$$

Sequence: A029744
Score: 31.2923
Type of gen. func.: lgdogf

$$-\frac{2 (2 x + 1)}{(x + 1) (2 x^2 - 1)}$$

Sequence: A029744
Score: 9.86593
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 3\}$$

Sequence: A029745
Score: 13.4861
Type of gen. func.: ogf

$$-\frac{x^3 + 6 x^2 + 2 x + 1}{2 x^2 - 1}$$

Sequence: A029745
Score: 15.3848
Type of gen. func.: lgdogf

$$\frac{2 x^4 - 7 x^2 - 16 x - 2}{(2 x^2 - 1) (x^3 + 6 x^2 + 2 x + 1)}$$

Sequence: A029745
Score: 8.00739
Type of gen. func.: ogf

$$\{-a(n + 4) + 2 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 8, a(3) = 5\}$$

Sequence: A029745
Score: 8.26569
Type of gen. func.: ogf

$$-(1307 f(x) + 4093) (2 f(x) x^2 + x^3 + 6 x^2 - f(x) + 2 x + 1)$$

Sequence: A029746
Score: 13.2255
Type of gen. func.: ogf

$$-\frac{3 x^3 + 2 x^2 + 2 x + 1}{2 x^2 - 1}$$

Sequence: A029746
Score: 14.4902
Type of gen. func.: lgdogf

$$\frac{6 x^4 - 13 x^2 - 8 x - 2}{}$$

$$(2 x^{2} - 1) (3 x^{3} + 2 x^{2} + 2 x + 1)$$

Sequence: A029746
Score: 7.85266
Type of gen. func.: ogf

$$\{-a(n + 4) + 2 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 7\}$$

Sequence: A029746
Score: 8.97447
Type of gen. func.: ogf

$$(11 f(x) - 7) (2 f(x) x^{2} + 3 x^{3} + 2 x^{2} - f(x) + 2 x + 1)$$

Sequence: A029747
Score: 14.6949
Type of gen. func.: lgdogf

$$\frac{2 (x + 1) (x^{3} - 2 x^{2} - x - 1)}{(2 x^{3} - 1) (x^{2} + x + 1)}$$

Sequence: A029747
Score: 5.99006
Type of gen. func.: ogf

$$\{-a(n + 5) + 2 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 4, a(4) = 5\}$$

Sequence: A029747
Score: 9.63513
Type of gen. func.: ogf

$$(2 f(x) - 1) (2 f(x) x^{3} + x^{4} + 2 x^{3} + 3 x^{2} - f(x) + 2 x + 1)$$

Sequence: A029747
Score: 9.95271
Type of gen. func.: ogf

$$-\frac{(x^2+x+1)^2}{2x^3-1}$$

Sequence: A029748
Score: 11.2490
Type of gen. func.: ogf

$$-\frac{x^5+2x^4+2x^3+3x^2+2x+1}{2x^3-1}$$

Sequence: A029748
Score: 9.94576
Type of gen. func.: lgdogf

$$\frac{4x^7+4x^6-11x^4-16x^3-12x^2-6x-2}{(2x^3-1)(x^5+2x^4+2x^3+3x^2+2x+1)}$$

Sequence: A029749
Score: 11.3371
Type of gen. func.: lgdogf

$$\frac{6x^6-8x^4-20x^3-15x^2-8x-2}{(2x^3-1)(3x^4+3x^3+4x^2+2x+1)}$$

Sequence: A029749
Score: 12.4474
Type of gen. func.: ogf

$$-\frac{3x^4+3x^3+4x^2+2x+1}{2x^3-1}$$

Sequence: A029749
Score: 7.49149
Type of gen. func.: ogf

$$\{a(n + 5) - 2 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 5, a(4) = 7\}$$

Sequence: A029749
Score: 8.42793
Type of gen. func.: ogf

$$-(11 f(x) - 3) (2 f(x) x^3 + 3 x^4 + 3 x^3 + 4 x^2 - f(x) + 2 x + 1)$$

Sequence: A029750
Score: 12.0781
Type of gen. func.: lgdogf

$$\frac{2 (2 x^6 - 2 x^4 - 4 x^3 - 3 x^2 - 2 x - 1)}{(x + 1) (x^2 + 1) (2 x^4 - 1)}$$

Sequence: A029750
Score: 8.84068
Type of gen. func.: ogf

$$- \frac{(x^2 + 1)^2 (x + 1)^2}{2 x^4 - 1}$$

Sequence: A029759
Score: 16.7792
Type of gen. func.: lgdogf

$$- \frac{12 x^2 - 6 x + 1}{(-1 + 3 x) (2 x - 1) (4 x - 1)}$$

Sequence: A029759
Score: 3.40399
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-28 - 9 n) a(n + 3) + (58 + 26 n) a(n + 2) + (-36 - 24 n) a(n + 1), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 6\}$$

Sequence: A029759
Score: 7.20211
Type of gen. func.: ogf

$$-16 f(x)^2 x^3 + 20 f(x)^2 x^2 - 8 f(x)^2 x + f(x)^2 - 9 x^2 + 6 x - 1$$

Sequence: A029760
Score: 3.92074
Type of gen. func.: ogf

$$\{(-16 n^2 - 120 n - 224) a(n + 1) + (8 n^2 + 62 n + 116) a(n + 2) + (-n^2 - 8 n - 15) a(n + 3), a(0) = 1, a(1) = 8, a(2) = 47\}$$

Sequence: A029760
Score: 9.68711
Type of gen. func.: lgdogf

$$-16 + 100 x + (80 x^2 - 28 x + 2) f(x) + (16 x^3 - 8 x^2 + x) f(x)^2$$

Sequence: A029766
Score: 4.03023
Type of gen. func.: egf]

$$- \frac{x (3 x^9 + 3 x^8 - 4 x^6 - x^5 - x^4 + 2 x^3 - 2 x^2 + x - 3)}{3 x^{10} + 4 x^9 - 6 x^8 - 3 x^6 + 4 x^5 - 4 x + 3}$$

Sequence: A029767
Score: 6.08904
Type of gen. func.: ogf

$$\{(-2 n^2 - 2 n) a(n) + (3 n + 3) a(n + 1) - a(n + 2), a(0) = 0, a(1) = 1\}$$

Sequence: A029769
Score: 13.7032
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-9x^2+3x-6}{x^3-x^2+x-1}$$

Sequence: A029779
Score: 13.6348
Type of gen. func.: ogf

$$(1000 f(x) x - f(x) + x)^3$$

Sequence: A029796
Score: 8.04013
Type of gen. func.: ogf

$$-(1000 f(x) x - f(x) + x)^2$$

Sequence: A029801
Score: 9.04739
Type of gen. func.: ogf

$$f(x) (100 f(x) x - f(x) + x)^2$$

Sequence: A029802
Score: 8.12373
Type of gen. func.: ogf

$$-(1000 f(x) x - f(x) + x)^2$$

Sequence: A029826
Score: 8.08610
Type of gen. func.: lgdogf

$$-\frac{10x^9+9x^8-7x^6-6x^5-5x^4-4x^3-3x^2+1}{x^{10}+x^9-x^7-x^6-x^5-x^4-x^3+x+1}$$

Sequence: A029826
Score: 8.13540
Type of gen. func.: ogf

$$\frac{1}{x^{10}+x^9-x^7-x^6-x^5-x^4-x^3+x+1}$$

Sequence: A029835
Score: 7.91753
Type of gen. func.: lgdogf

$$\frac{32x^{33}-33x^{32}+14x^{15}-15x^{14}+6x^7-7x^6+2x^3-3x^2-1}{(x-1)(x^{33}+x^{15}+x^7+x^3+1)}$$

Sequence: A029838
Score: 17.5912
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x+1}{-x^3-x^2-x-1}$$

Sequence: A029839
Score: 16.0885
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x+2}{-x^3-x^2-x-1}$$

Sequence: A029840
Score: 11.7094

Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3x+3}{-x^3-x^2-x-1}$$

Sequence: A029841
Score: 11.9228
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4x+4}{-x^3-x^2-x-1}$$

Sequence: A029842
Score: 11.8547
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-5x+5}{-x^3-x^2-x-1}$$

Sequence: A029843
Score: 11.3775
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-6x+6}{-x^3-x^2-x-1}$$

Sequence: A029844
Score: 11.4131
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-7x+7}{-x^3-x^2-x-1}$$

Sequence: A029845
Score: 13.1486
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-8 x + 8}{-x^{3} - x^{2} - x - 1}$$

Sequence: A029858
Score: 14.9454
Type of gen. func.: ogf

$$\frac{3 x}{(-1 + 3 x) (x - 1)}$$

Sequence: A029858
Score: 15.0957
Type of gen. func.: revogf

$$-\frac{-3 - 4 x + (4 x^{2} + 24 x + 9)^{1/2}}{6 x}$$

Sequence: A029858
Score: 21.7379
Type of gen. func.: lgdogf

$$-\frac{2 (-2 + 3 x)}{(-1 + 3 x) (x - 1)}$$

Sequence: A029858
Score: 6.82693
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + 3 a(n), a(0) = 0, a(1) = 3\}$$

Sequence: A029858
Score: 9.37257
Type of gen. func.: ogf

$$-3 f(x) x^{2} + 4 f(x) x - f(x) + 3 x$$

Sequence: A029862
Score: 18.2767
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3x-1}{-x^2+1}$$

Sequence: A029863
Score: 16.9437
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3x-2}{-x^2+1}$$

Sequence: A029864
Score: 12.3782
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3x^2-2x-1}{-x^3+1}$$

Sequence: A029887
Score: 13.6945
Type of gen. func.: lgdogf

$$-11+144x+(96x^2-28x+1)f(x)+(16x^3-8x^2+x)f(x)^2$$

Sequence: A029887
Score: 4.14005
Type of gen. func.: ogf

$$\{(-16n^2-136n-288)a(n+1)+(8n^2+62n+114)a(n+2)$$

$$+(-n^2-7n-12)a(n+3),\ a(0)=1,\ a(1)=11,\ a(2)=82\}$$

Sequence: A029898
Score: 11.8619
Type of gen. func.: lgdogf

$$-\frac{7x^6+2x^5-13x^4+14x^3+5x^2+2x+1}{(x-1)(x+1)(4x^4+3x^3+x^2+1)(x^2-x+1)}$$

Sequence: A029898
Score: 13.5794
Type of gen. func.: ogf

$$-\frac{4x^4+3x^3+x^2+1}{(x-1)(x+1)(x^2-x+1)}$$

Sequence: A029898
Score: 9.81479
Type of gen. func.: ogf

$$f(x)x^4-f(x)x^3+4x^4+3x^3+f(x)x+x^2-f(x)+1$$

Sequence: A029906
Score: 10.6051
Type of gen. func.: lgdogf

$$-\frac{12x^5+7x^4+8x^3+4x+1}{(x-1)(x+1)(x^2+1)(2x^2+x+1)}$$

Sequence: A029906
Score: 9.61315
Type of gen. func.: ogf

$$\frac{x(2x^2+x+1)}{(x-1)^2(x+1)^2(x^2+1)^2}$$

Sequence: A029907
Score: 11.9994
Type of gen. func.: ogf

$$-\frac{x(x-1)(x+1)}{(x^2+x-1)^2}$$

Sequence: A029907
Score: 21.9750
Type of gen. func.: lgdogf

$$-\frac{2(x^3-x-1)}{(x-1)(x+1)(x^2+x-1)}$$

Sequence: A029907
Score: 7.57241
Type of gen. func.: ogf

$$f(x)x^4+2f(x)x^3-f(x)x^2+x^3-2f(x)x+f(x)-x$$

Sequence: A029924
Score: 8.09717
Type of gen. func.: ogf

$$-\frac{x(x^{22}-x^{21}-2x^4-2x^3-3x^2-2x-2)}{(x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A029925
Score: 5.07932
Type of gen. func.: lgdogf

$$-\frac{30x^9+26x^8+25x^7+19x^6+15x^5-49x^4-45x^3-39x^2-38x-34}{(x-1)(x^4+x^3+x^2+x+1)(30x^5-2x^4-x^3-2x^2-2x-32)}$$

Sequence: A029925
Score: 7.41934
Type of gen. func.: ogf

$$-\frac{30 x^{5} - 2 x^{4} - x^{3} - 2 x^{2} - 2 x - 32}{(x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A029926
Score: 7.20096
Type of gen. func.: ogf

$$\frac{18 x^{9} + x^{8} + x^{6} + x^{5} + x^{3} + x - 18}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A029929
Score: 6.52253
Type of gen. func.: ogf

$$\frac{2 x (x^{7} - 2 x^{6} - 2 x^{5} + x^{4} - 6 x^{3} + 3 x^{2} + 2 x - 1)}{(x + 1)^{2} (2 x - 1)^{2} (x - 1)^{3}}$$

Sequence: A029929
Score: 8.29519
Type of gen. func.: lgdogf

$$\frac{5 x^{7} + 19 x^{6} + 45 x^{5} - 43 x^{4} - 11 x^{3} + 3 x^{2} + 9 x - 3}{(x - 1) (2 x - 1) (x + 1) (x^{7} - 2 x^{6} - 2 x^{5} + x^{4} - 6 x^{3} + 3 x^{2} + 2 x - 1)}$$

Sequence: A030053
Score: 12.4852
Type of gen. func.: lgdogf

$$-63 + 256 x + (128 x^{2} - 60 x + 7) f(x) + (16 x^{3} - 8 x^{2} + x) f(x)^{2}$$

Sequence: A030053
Score: 5.69506
Type of gen. func.: ogf

$$\{(-4 n^2 - 42 n - 110) a(n + 1) + (n^2 + 11 n + 18) a(n + 2), a(0) = 1, a(1) = 9\}$$

Sequence: A030054
Score: 4.49429
Type of gen. func.: ogf

$$\{(-4 n^2 - 50 n - 156) a(n + 1) + (n^2 + 13 n + 22) a(n + 2), a(0) = 1, a(1) = 11\}$$

Sequence: A030054
Score: 9.89469
Type of gen. func.: lgdogf

$$-99 + 400 x + (160 x^2 - 76 x + 9) f(x) + (16 x^3 - 8 x^2 + x) f(x)^2$$

Sequence: A030055
Score: 4.23206
Type of gen. func.: ogf

$$\{(-4 n^2 - 58 n - 210) a(n + 1) + (n^2 + 15 n + 26) a(n + 2), a(0) = 1, a(1) = 13\}$$

Sequence: A030055
Score: 8.98719
Type of gen. func.: lgdogf

$$-143 + 576 x + (192 x^2 - 92 x + 11) f(x) + (16 x^3 - 8 x^2 + x) f(x)^2$$

Sequence: A030056
Score: 4.30339
Type of gen. func.: ogf

$$\{(-4 n^{2} - 66 n - 272) a(n + 1) + (n^{2} + 17 n + 30) a(n + 2), a(0) = 1, a(1) = 15\}$$

Sequence: A030056
Score: 8.98719
Type of gen. func.: lgdogf

$$-195 + 784 x + (224 x^{2} - 108 x + 13) f(x) + (16 x^{3} - 8 x^{2} + x) f(x)^{2}$$

Sequence: A030060
Score: 4.08423
Type of gen. func.: ogf

$$\{(-4 n^{2} - 38 n - 90) a(n + 1) + (n^{2} + 8 n + 12) a(n + 2), a(0) = 5, a(1) = 56\}$$

Sequence: A030065
Score: 10.0720
Type of gen. func.: ogf

$$\frac{x (x^{2} - x + 1) (x^{2} + x + 1)^{2}}{(x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2}}$$

Sequence: A030065
Score: 11.6914
Type of gen. func.: lgdogf

$$-\frac{2 x^{7} + x^{6} + 5 x^{5} - x^{4} + 14 x^{3} - x^{2} + 3 x + 1}{(x - 1) (x + 1) (x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A030065
Score: 22.7785
Type of gen. func.: ogf_with_Euler_transform]

$${}^{5} \qquad {}^{3} \qquad {}^{2}$$

$$-x + 2 x - x + x + 1$$

Sequence: A030108
Score: 4.78706
Type of gen. func.: ogf

$$- x (64 x^{17} - 8 x^{16} - 8 x^{15} - 8 x^{14} - 8 x^{13} - 8 x^{12} - 8 x^{11} - 8 x^{10} - 8 x^{9} + 7 x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 1) / ((x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2})$$

Sequence: A030110
Score: 11.0222
Type of gen. func.: lgdogf

$$- \frac{2 (x^{4} - 16 x^{3} + 18 x^{2} - 7 x + 1)}{(x - 1) (2 x - 1) (x^{3} - 9 x^{2} + 8 x - 2)}$$

Sequence: A030110
Score: 4.8081
Type of gen. func.: ogf

$$-(44 f(x) + 5)$$

$$(2 f(x) x^{4} - 7 f(x) x^{3} + 9 f(x) x^{2} + x^{3} - 5 f(x) x - 9 x^{2} + f(x) + 8 x - 2)$$

Sequence: A030110
Score: 8.86690
Type of gen. func.: ogf

$$- \frac{x^{3} - 9 x^{2} + 8 x - 2}{(2 x - 1) (x - 1)^{3}}$$

Sequence: A030112
Score: 4.01037

Type of gen. func.: ogf

$$-\frac{(x+1)(x^2+x-1)(x^4-x^3-4x^2+4x+1)}{x^8+x^7-7x^6-6x^5+15x^4+10x^3-10x^2-4x+1}$$

Sequence: A030113
Score: 3.36106
Type of gen. func.: ogf

$$-\frac{x^8-x^7-7x^6+6x^5+15x^4-10x^3-10x^2+4x+1}{x^9-x^8-8x^7+7x^6+21x^5-15x^4-20x^3+10x^2+5x-1}$$

Sequence: A030114
Score: 3.88491
Type of gen. func.: ogf

$$-\frac{x^9+x^8-8x^7-7x^6+21x^5+15x^4-20x^3-10x^2+5x+1}{(x+1)(x^3+x^2-2x-1)(x^6-x^5-6x^4+6x^3+8x^2-8x+1)}$$

Sequence: A030117
Score: 12.0117
Type of gen. func.: lgdogf

$$-\frac{6x^4+24x^3+41x^2+26x+7}{(x-1)(x+1)(2x^3+5x^2+5x+1)}$$

Sequence: A030117
Score: 7.18484
Type of gen. func.: ogf

$$\frac{4x^2(2x^3+5x^2+5x+1)}{(x+1)^2(x-1)^4}$$

Sequence: A030118
Score: 11.6636
Type of gen. func.: ogf

$$-\frac{x^3 - 3x^2 + 2x - 1}{(x^2 - x + 1)(x - 1)^2}$$

Sequence: A030118
Score: 13.9840
Type of gen. func.: lgdogf

$$-\frac{x^5 - 5x^4 + 6x^3 - 4x^2 + x - 1}{(x - 1)(x^2 - x + 1)(x^3 - 3x^2 + 2x - 1)}$$

Sequence: A030118
Score: 4.58215
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 1) + (2 n + 7) a(n + 2) + (-2 n - 7) a(n + 3) + (n + 3) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 4\}$$

Sequence: A030118
Score: 6.3695
Type of gen. func.: ogf

$$-(2 f(x) + 5) (f(x) x^4 - 3 f(x) x^3 + 4 f(x) x^2 + x^3 - 3 f(x) x - 3 x^2 + f(x) + 2 x - 1)$$

Sequence: A030119
Score: 10.1293
Type of gen. func.: ogf

$$\frac{x^3 - 3x^2 + 2x - 1}{(x^2 + x - 1)(x - 1)^2}$$

Sequence: A030119
Score: 11.3105
Type of gen. func.: lgdogf

$$-\frac{x^5 - 5x^4 + 6x^3 - 8x^2 + 3x + 1}{(x - 1)(x^2 + x - 1)(x^3 - 3x^2 + 2x - 1)}$$

Sequence: A030119
Score: 4.33311
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 1) - a(n + 2) + (2n + 7) a(n + 3) + (-3 - n) a(n + 4),$$
$$a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 8\}$$

Sequence: A030119
Score: 5.61121
Type of gen. func.: ogf

$$(38 f(x) - 51)$$
$$(f(x) x^4 - f(x) x^3 - 2 f(x) x^2 - x^3 + 3 f(x) x + 3 x^2 - f(x) - 2x + 1)$$

Sequence: A030123
Score: 10.6975
Type of gen. func.: ogf

$$-\frac{x (2x^3 - 2x^2 - 6x - 1)}{(x + 1)(x - 1)^2}$$

Sequence: A030123
Score: 15.2233
Type of gen. func.: lgdogf

$$-\frac{3x^3 - 3x^2 - 18x - 10}{(x - 1)(x + 1)(3x^2 - 3x - 7)}$$

Sequence: A030123
Score: 5.38564
Type of gen. func.: ogf

$$\{-a(n+5) + a(n+4) + a(n+3) - a(n+2),\ a(0) = 0,\ a(1) = 1,\ a(2) = 7,\ a(3) = 10,\ a(4) = 14\}$$

Sequence: A030123
Score: 6.05363
Type of gen. func.: ogf

$$(623 f(x) + 23246) (f(x) x^3 + 2 x^4 - f(x) x^2 - 2 x^3 - f(x) x - 6 x^2 + f(x) - x)$$

Sequence: A030179
Score: 5.84502
Type of gen. func.: ogf

$$- \frac{x^2 (x^4 + 2 x^3 + 6 x^2 + 2 x + 1)}{(x + 1)^3 (x - 1)^5}$$

Sequence: A030179
Score: 9.80568
Type of gen. func.: lgdogf

$$- \frac{4 (x^5 + 3 x^4 + 11 x^3 + 8 x^2 + 6 x + 1)}{(x - 1) (x + 1) (x^4 + 2 x^3 + 6 x^2 + 2 x + 1)}$$

Sequence: A030180
Score: 11.4130
Type of gen. func.: lgdogf

$$- \frac{4 (3 x^4 + 38 x^3 + 108 x^2 + 78 x + 13)}{(x - 1) (3 x^4 + 28 x^3 + 58 x^2 + 28 x + 3)}$$

Sequence: A030180
Score: 5.88684
Type of gen. func.: ogf

$$\frac{x^{2} (3 x^{4} + 28 x^{3} + 58 x^{2} + 28 x + 3)}{(x - 1)^{8}}$$

Sequence: A030181
Score: 9.96967
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-4 x^{5} - 4 x^{4} - 4 x^{3} - 4 x^{2} - 4 x - 4}{x^{7} - 1}$$

Sequence: A030182
Score: 13.2597
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-12 x - 12}{x^{3} - 1}$$

Sequence: A030186
Score: 12.2332
Type of gen. func.: ogf

$$- \frac{x - 1}{x^{3} - x^{2} - 3 x + 1}$$

Sequence: A030186
Score: 15.8832
Type of gen. func.: lgdogf

$$- \frac{2 (x^{3} - 2 x^{2} + x + 1)}{(x - 1) (x^{3} - x^{2} - 3 x + 1)}$$

Sequence: A030186
Score: 5.78895
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 7\}$$

Sequence: A030186
Score: 7.00069
Type of gen. func.: ogf

$$-(96 f(x) - 11) (f(x) x^{3} - f(x) x^{2} - 3 f(x) x + f(x) + x - 1)$$

Sequence: A030187
Score: 4.20874
Type of gen. func.: ogf_with_Euler_transform]

$$- (4 x^{13} + x^{12} + 2 x^{11} + x^{10} + 2 x^{9} + x^{8} + 2 x^{7} + 2 x^{6} + 2 x^{5} + x^{4} + 2 x^{3} + x^{2} + 2 x + 1) / (-x^{14} + 1)$$

Sequence: A030188
Score: 12.2268
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-4 x^{5} - x^{4} - 2 x^{3} - 2 x^{2} - 2 x - 1}{x^{6} - 1}$$

Sequence: A030189
Score: 8.00433
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{4 x^{7} + x^{6} + 2 x^{5} + x^{4} + 3 x^{3} + x^{2} + 2 x + 1}{-x^{8} + 1}$$

Sequence: A030191
Score: 19.9008
Type of gen. func.: revogf

$$-\frac{-1 - 5 x + (5 x^2 + 10 x + 1)^{1/2}}{10 x}$$

Sequence: A030191
Score: 22.7080
Type of gen. func.: ogf

$$\frac{1}{5 x^2 - 5 x + 1}$$

Sequence: A030191
Score: 30.6804
Type of gen. func.: lgdogf

$$-\frac{5 (2 x - 1)}{5 x^2 - 5 x + 1}$$

Sequence: A030191
Score: 9.02846
Type of gen. func.: ogf

$$(11 f(x) + 14) (5 f(x) x^2 - 5 f(x) x + f(x) - 1)$$

Sequence: A030191
Score: 9.13857
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - 5 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A030192
Score: 12.5348
Type of gen. func.: revogf

$$-\frac{-1 - 6 x + (12 x^2 + 12 x + 1)^{1/2}}{12 x}$$

Sequence: A030192
Score: 19.8467
Type of gen. func.: lgdogf

$$-\frac{6 (2 x - 1)}{6 x^2 - 6 x + 1}$$

Sequence: A030192
Score: 21.8611
Type of gen. func.: ogf

$$\frac{1}{6 x^2 - 6 x + 1}$$

Sequence: A030192
Score: 8.69179
Type of gen. func.: ogf

$$(19 f(x) + 17) (6 f(x) x^2 - 6 f(x) x + f(x) - 1)$$

Sequence: A030192
Score: 8.79777
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 6 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A030195
Score: 10.8569
Type of gen. func.: ogf

$$-3 f(x) x^2 - 3 f(x) x + f(x) - x$$

Sequence: A030195
Score: 17.3124
Type of gen. func.: ogf

$$-\frac{x}{3 x^2 + 3 x - 1}$$

Sequence: A030195
Score: 18.0257
Type of gen. func.: revogf

$$\frac{-1 - 3 x + (21 x^2 + 6 x + 1)^{1/2}}{6 x}$$

Sequence: A030195
Score: 26.2875
Type of gen. func.: lgdogf

$$-\frac{3 (2 x + 1)}{3 x^2 + 3 x - 1}$$

Sequence: A030195
Score: 7.90811
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) + 3 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A030200
Score: 6.17906
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^{10} - x^9 - x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 1}{x^{11} - 1}$$

Sequence: A030201
Score: 4.47527
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^{20}+x^{17}+x^{14}+x^{11}+x^{8}+x^{5}+x^{2}}{-x^{21}+1}$$

Sequence: A030202
Score: 10.2891
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^{4}-x^{3}-x^{2}-x-1}{x^{5}-1}$$

Sequence: A030203
Score: 11.8951
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^{2}-x-1}{x^{3}-1}$$

Sequence: A030204
Score: 13.3215
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x+1}{-x^{2}+1}$$

Sequence: A030205
Score: 10.0993
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4x^{4}-2x^{3}-2x^{2}-2x-2}{x^{5}-1}$$

Sequence: A030206
Score: 15.8477
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4 x^{2} - 2 x - 2}{x^{3} - 1}$$

Sequence: A030207
Score: 8.45826
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-6 x^{7} - 2 x^{6} - 3 x^{5} - 2 x^{4} - 4 x^{3} - 2 x^{2} - 3 x - 2}{x^{8} - 1}$$

Sequence: A030208
Score: 12.3567
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-6 x^{2} - 3 x - 3}{x^{3} - 1}$$

Sequence: A030209
Score: 9.55171
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-8 x^{5} - 2 x^{4} - 4 x^{3} - 4 x^{2} - 4 x - 2}{x^{6} - 1}$$

Sequence: A030210
Score: 13.1943
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-8 x^{4} - 4 x^{3} - 4 x^{2} - 4 x - 4}{}$$

$$x^{5} - 1$$

Sequence: A030211
Score: 20.7158
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{8 x + 4}{-x^{2} + 1}$$

Sequence: A030212
Score: 12.4103
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-10 x^{3} - 4 x^{2} - 6 x - 4}{x^{4} - 1}$$

Sequence: A030220
Score: 6.64183
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-6 x^{6} - 6 x^{5} - 6 x^{4} - 3 x^{3} - 3 x^{2}}{x^{7} + x^{6} + x^{5} - x^{2} - x - 1}$$

Sequence: A030221
Score: 12.9949
Type of gen. func.: revogf

$$-\frac{-1 - 5 x + (21 x^{2} + 14 x + 1)^{1/2}}{2 (x - 1)}$$

Sequence: A030221
Score: 16.1727
Type of gen. func.: ogf

$$x + 1$$

$$\overline{\;x^2 - 5 x + 1\;}$$

Sequence: A030221
Score: 17.1868
Type of gen. func.: lgdogf

$$-\frac{x^2 + 2 x - 6}{(x + 1) (x^2 - 5 x + 1)}$$

Sequence: A030221
Score: 8.56205
Type of gen. func.: ogf

$$(7 f(x) + 2) (f(x) x^2 - 5 f(x) x + f(x) - x - 1)$$

Sequence: A030221
Score: 8.87528
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A030236
Score: 12.4725
Type of gen. func.: lgdogf

$$\frac{2 (5 x^3 - 4 x^2 + x + 1)}{(x - 1) (2 x^2 + 1) (x^3 - x^2 + 3 x - 1)}$$

Sequence: A030236
Score: 4.88180
Type of gen. func.: ogf

$$\{-a(n + 4) + 3 a(n + 3) - a(n + 2) + a(n + 1), a(0) = 1, a(1) = 2, a(2) = 7, a(3) = 18\}$$

Sequence: A030236
Score: 5.2787
Type of gen. func.: ogf

$$(199 + 542 f(x)) (f(x) x^3 - f(x) x^2 - 2 x^3 + 3 f(x) x + 2 x^2 - f(x) - x + 1)$$

Sequence: A030236
Score: 9.40986
Type of gen. func.: ogf

$$\frac{(x - 1) (2 x^2 + 1)}{x^3 - x^2 + 3 x - 1}$$

Sequence: A030238
Score: 6.16669
Type of gen. func.: ogf

$$-f(x)^2 x^4 + f(x)^2 x^2 - f(x)^2 x - 2 f(x) x^2 + f(x) - 1$$

Sequence: A030240
Score: 13.8750
Type of gen. func.: revogf

$$- \frac{-1 - 7 x + (21 x^2 + 14 x + 1)^{1/2}}{14 x}$$

Sequence: A030240
Score: 21.9687
Type of gen. func.: lgdogf

$$- \frac{7 (2 x - 1)}{7 x^2 - 7 x + 1}$$

Sequence: A030240

Score: 22.1385
Type of gen. func.: ogf

$$\frac{1}{7 x^2 - 7 x + 1}$$

Sequence: A030240
Score: 8.80205
Type of gen. func.: ogf

$$(29 f(x) + 20) (7 f(x) x^2 - 7 f(x) x + f(x) - 1)$$

Sequence: A030240
Score: 8.90938
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) - 7 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A030241
Score: 10.3777
Type of gen. func.: ogf

$$- \frac{2 x^7 + 3 x^6 + 4 x^5 + 4 x^4 + 4 x^3 + 3 x^2 + 2 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A030267
Score: 10.8058
Type of gen. func.: ogf

$$\frac{(x - 1)^2}{(x^2 - 3 x + 1)^2}$$

Sequence: A030267
Score: 19.8540
Type of gen. func.: lgdogf

$$-\frac{2\,(x^2-2\,x+2)}{(x-1)\,(x^2-3\,x+1)}$$

Sequence: A030267
Score: 3.78204
Type of gen. func.: ogf

$$\{(n+4)\,a(n+4)+(-16-4\,n)\,a(n+3)+(12+4\,n)\,a(n+2)$$

$$+(-3-n)\,a(n+1),\ a(0)=1,\ a(1)=4,\ a(2)=14,\ a(3)=46\}$$

Sequence: A030267
Score: 5.60304
Type of gen. func.: ogf

$$-(25\,f(x)+1)$$

$$(f(x)\,x^4-6\,f(x)\,x^3+11\,f(x)\,x^2-6\,f(x)\,x-x^2+f(x)+2\,x-1)$$

Sequence: A030270
Score: 6.43917
Type of gen. func.: lgdogf

$$-\frac{4\,x^9+4\,x^8+8\,x^7+9\,x^6+18\,x^5+13\,x^4-4\,x^3-11\,x^2+2\,x+1}{(x^2+2\,x-1)\,(2\,x^4+2\,x^2+x-1)\,(x^4+2\,x^2-1)}$$

Sequence: A030270
Score: 7.27784
Type of gen. func.: ogf

$$-\frac{2\,x^4+2\,x^2+x-1}{(x^2+2\,x-1)\,(x^4+2\,x^2-1)}$$

Sequence: A030279
Score: 5.29441
Type of gen. func.: ogf

$$-\frac{(x+1)(x^3-4x^2+2x-1)(x-1)^3}{(x^3-2x^2+4x-1)^3}$$

Sequence: A030279
Score: 8.96853
Type of gen. func.: lgdogf

$$-\frac{2(x^7-6x^6-x^5+26x^4-20x^3+14x^2-6x+4)}{(x-1)(x+1)(x^3-4x^2+2x-1)(x^3-2x^2+4x-1)}$$

Sequence: A030280
Score: 13.0994
Type of gen. func.: lgdogf

$$-\frac{3(x^3-3x^2+2x-2)}{(x-1)(x^3-3x^2+4x-1)}$$

Sequence: A030280
Score: 3.88396
Type of gen. func.: ogf

$$-\frac{(x-1)^6}{(x^3-3x^2+4x-1)^3}$$

Sequence: A030292
Score: 5.09634
Type of gen. func.: ogf

$$\frac{x(10x^8+80x^7+59x^6+30x^5+23x^4+16x^3+7x^2-2x-1)}{10x^2-1}$$

Sequence: A030293
Score: 3.85900
Type of gen. func.: ogf

$$x\left(331000\,x^{8}+992000\,x^{7}+341669\,x^{6}+63000\,x^{5}+26657\,x^{4}+7936\,x^{3}+973\,x^{2}-8\,x-1\right)\Big/\left(1000\,x^{2}-1\right)$$

Sequence: A030297
Score: 27.1114
Type of gen. func.: lgdegf]

$$\frac{x^{2}-3}{(x-1)\,(x+1)}$$

Sequence: A030300
Score: 5.13161
Type of gen. func.: ogf

$$-\frac{x^{47}-x^{39}+x^{35}-x^{33}+x^{32}-x^{31}+x^{15}-x^{7}+x^{3}-x+1}{(x-1)\,(x^{32}+1)}$$

Sequence: A030429
Score: 3.64514
Type of gen. func.: ogf

$$-(60\,f(x)-29)\,(7\,f(x)\,x^{4}-21\,f(x)\,x^{3}+22\,f(x)\,x^{2}+14\,x^{3}-9\,f(x)\,x-11\,x^{2}+f(x)+7\,x-1)$$

Sequence: A030429
Score: 6.46491
Type of gen. func.: lgdogf

$$-\frac{2\,(49\,x^{5}-28\,x^{4}+7\,x^{3}-28\,x^{2}+10\,x-1)}{(x-1)\,(7\,x^{2}-7\,x+1)\,(14\,x^{3}-11\,x^{2}+7\,x-1)}$$

Sequence: A030429
Score: 6.61526
Type of gen. func.: ogf

$$-\frac{14 x^3 - 11 x^2 + 7 x - 1}{(7 x^2 - 7 x + 1) (x - 1)^2}$$

Sequence: A030434
Score: 10.6270
Type of gen. func.: lgdogf

$$-\frac{93 x^3 - 113 x^2 + 67 x - 15}{(x - 1) (93 x^3 - 196 x^2 + 153 x - 42)}$$

Sequence: A030434
Score: 4.22168
Type of gen. func.: ogf

$$(32 f(x) + 895) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 93 x^3 - 4 f(x) x + 196 x^2 + f(x) - 153 x + 42)$$

Sequence: A030434
Score: 7.42608
Type of gen. func.: ogf

$$\frac{93 x^3 - 196 x^2 + 153 x - 42}{(x - 1)^4}$$

Sequence: A030435
Score: 7.52
Type of gen. func.: ogf

$$-2 f(x) x^4 + 4 f(x) x^2 - 2 x^3 - 4 x^2 - f(x) + 2 x + 2$$

Sequence: A030435
Score: 8.53448
Type of gen. func.: lgdogf

$$-\frac{2x^6+8x^5-2x^4-8x^3+x^2+4x+1}{(x^3+2x^2-x-1)(2x^4-4x^2+1)}$$

Sequence: A030435
Score: 9.13969
Type of gen. func.: ogf

$$-\frac{2(x^3+2x^2-x-1)}{2x^4-4x^2+1}$$

Sequence: A030436
Score: 7.67726
Type of gen. func.: ogf

$$-2f(x)x^4+4f(x)x^2-x^3-2x^2-f(x)+x+1$$

Sequence: A030436
Score: 8.71532
Type of gen. func.: lgdogf

$$-\frac{2x^6+8x^5-2x^4-8x^3+x^2+4x+1}{(x^3+2x^2-x-1)(2x^4-4x^2+1)}$$

Sequence: A030436
Score: 9.33083
Type of gen. func.: ogf

$$-\frac{x^3+2x^2-x-1}{2x^4-4x^2+1}$$

Sequence: A030439
Score: 13.2384
Type of gen. func.: ogf

$$-\frac{x (x^2 - 2 x - 1)}{(x - 1) (x + 1) (3 x^2 - 1)}$$

Sequence: A030439
Score: 8.24025
Type of gen. func.: ogf

$$(6 f(x) + 13) (3 f(x) x^4 - 4 f(x) x^2 + x^3 - 2 x^2 + f(x) - x)$$

Sequence: A030439
Score: 8.74127
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^5 - 9 x^4 - 6 x^3 + 4 x^2 + 3 x + 1)}{(x - 1) (x + 1) (3 x^2 - 1) (x^2 - 2 x - 1)}$$

Sequence: A030440
Score: 11.1100
Type of gen. func.: ogf

$$-\frac{2 x^3 - 13 x^2 + 4 x - 1}{(x - 1)^4}$$

Sequence: A030440
Score: 12.9300
Type of gen. func.: lgdogf

$$-\frac{2 x (x^2 - 10 x - 7)}{(x - 1) (2 x^3 - 13 x^2 + 4 x - 1)}$$

Sequence: A030440
Score: 4.60947
Type of gen. func.: ogf

$$\{(47 n^2 + 253 n + 318) a(n + 1) + (-90 n^2 - 405 n - 450) a(n + 2) + (43 n^2 + 164 n + 105) a(n + 3), a(0) = 1, a(1) = 0, a(2) = 7\}$$

Sequence: A030440
Score: 5.93548
Type of gen. func.: ogf

$$-(172 f(x) + 845) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 2 x^3 - 4 f(x) x - 13 x^2 + f(x) + 4 x - 1)$$

Sequence: A030441
Score: 15.5370
Type of gen. func.: lgdogf

$$- \frac{15 x^3 + 9 x^2 + 9 x - 1}{(x - 1) (15 x^3 - 18 x^2 + 15 x - 4)}$$

Sequence: A030441
Score: 4.62347
Type of gen. func.: ogf

$$\{(-n^2 + 4) a(n + 1) + (-2 n^2 - 23 n - 37) a(n + 2) + (3 n^2 + 11 n + 6) a(n + 3), a(0) = -4, a(1) = -1, a(2) = 2\}$$

Sequence: A030441
Score: 5.59344
Type of gen. func.: ogf

$$(32 f(x) + 107) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 15 x^3 - 4 f(x) x + 18 x^2$$

$+ f(x) - 15 x + 4)$

Sequence: A030441
Score: 9.99826
Type of gen. func.: ogf

$$\frac{15 x^{3} - 18 x^{2} + 15 x - 4}{(x - 1)^{4}}$$

Sequence: A030442
Score: 7.42984
Type of gen. func.: ogf

$$-\frac{386 x^{4} - 1136 x^{3} + 1361 x^{2} - 758 x + 163}{(x - 1)^{5}}$$

Sequence: A030442
Score: 9.87770
Type of gen. func.: lgdogf

$$-\frac{386 x^{4} - 728 x^{3} + 675 x^{2} - 310 x + 57}{(x - 1) (386 x^{4} - 1136 x^{3} + 1361 x^{2} - 758 x + 163)}$$

Sequence: A030451
Score: 15.8308
Type of gen. func.: ogf

$$-\frac{x (x - 2)}{(x + 1) (x - 1)^{2}}$$

Sequence: A030451
Score: 26.9516
Type of gen. func.: lgdogf

^{2}

$$-\frac{2x - 5x - 1}{(x-1)(x-2)(x+1)}$$

Sequence: A030451
Score: 8.12932
Type of gen. func.: ogf

$$-(f(x) + 4)(f(x)\,x^3 - f(x)\,x^2 - f(x)\,x + x^2 + f(x) - 2x)$$

Sequence: A030451
Score: 8.12932
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n),\ a(0) = 0,\ a(1) = 2,\ a(2) = 1\}$$

Sequence: A030452
Score: 5.4919
Type of gen. func.: ogf

$$-(145600\,f(x) + 4077)(f(x)\,x^4 - 15\,f(x)\,x^2 + x^3 + 2x^2 + f(x) - 2x - 1)$$

Sequence: A030452
Score: 8.63892
Type of gen. func.: lgdogf

$$-\frac{x^6 + 4x^5 + 9x^4 - 4x^3 + 27x^2 + 26x + 2}{(x - 1)(x^2 + 3x + 1)(x^4 - 15x^2 + 1)}$$

Sequence: A030452
Score: 9.48600
Type of gen. func.: ogf

$$-\frac{(x - 1)(x^2 + 3x + 1)}{x^4 - 15x^2 + 1}$$

Sequence: A030503
Score: 11.4958
Type of gen. func.: lgdogf

$$-\frac{x^6 + 6x^4 + 6x^3 + 11x^2 + 8x + 4}{(x-1)(x^2+x+1)(x^4 - x^3 + 2x^2 + 2)}$$

Sequence: A030503
Score: 8.57075
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 + 2x^2 + 2}{(x^2+x+1)(x-1)^3}$$

Sequence: A030511
Score: 10.8281
Type of gen. func.: ogf

$$-\frac{2(x+1)}{(x^2+x+1)(x-1)^3}$$

Sequence: A030511
Score: 17.0153
Type of gen. func.: lgdogf

$$-\frac{4x^3 + 7x^2 + 4x + 3}{(x-1)(x+1)(x^2+x+1)}$$

Sequence: A030511
Score: 29.7232
Type of gen. func.: ogf_with_Euler_transform]

$$x^2 - x + 3$$

Sequence: A030512
Score: 13.0726
Type of gen. func.: ogf

$$-\frac{1}{(100x-1)(x-1)^2}$$

Sequence: A030512
Score: 19.0194
Type of gen. func.: lgdogf

$$-\frac{6(-17+50x)}{(100x-1)(x-1)}$$

Sequence: A030512
Score: 4.53323
Type of gen. func.: ogf

$\{a(n+3) - 102\,a(n+2) + 201\,a(n+1) - 100\,a(n),\ a(0) = 1,\ a(1) = 102,$

$a(2) = 10203\}$

Sequence: A030512
Score: 4.57007
Type of gen. func.: ogf

$(20168010067\,f(x) - 336010000)$

$(100\,f(x)\,x^3 - 201\,f(x)\,x^2 + 102\,f(x)\,x - f(x) + 1)$

Sequence: A030517
Score: 5.27322
Type of gen. func.: ogf

$(496\,f(x) + 35)$

$(25\,f(x)\,x^4 + 20\,f(x)\,x^3 - 10\,f(x)\,x^2 - 4\,f(x)\,x + 5\,x^2 + f(x) + 2\,x - 1)$

Sequence: A030517

Score: 9.88726
Type of gen. func.: ogf

$$-\frac{5 x^{2} + 2 x - 1}{(5 x - 1) (x + 1) (5 x^{2} - 1)}$$

Sequence: A030518
Score: 12.5987
Type of gen. func.: ogf

$$\frac{2 x}{(5 x - 1) (x + 1) (5 x^{2} - 1)}$$

Sequence: A030518
Score: 5.55534
Type of gen. func.: ogf

$$-(403 f(x) - 85) (25 f(x) x^{4} + 20 f(x) x^{3} - 10 f(x) x^{2} - 4 f(x) x + f(x) - 2 x)$$

Sequence: A030518
Score: 6.59155
Type of gen. func.: lgdogf

$$-\frac{4 (25 x^{3} + 15 x^{2} - 5 x - 1)}{(5 x - 1) (x + 1) (5 x^{2} - 1)}$$

Sequence: A030531
Score: 5.02992
Type of gen. func.: ogf

$$\frac{14 x (16956 x^{3} - 126 x^{2} - 449 x - 1)}{(x - 1) (27 x + 1) (8 x + 1) (8 x - 1) (27 x - 1)}$$

Sequence: A030533
Score: 11.7320

Type of gen. func.: lgdogf

$$-\frac{2 x^5 - x^4 + 10 x^3 - 4 x^2 + 8 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^2 - x + 1)}$$

Sequence: A030533
Score: 17.7211
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 - x^3 + x^2 + 4 x + 1$$

Sequence: A030533
Score: 7.23643
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^2 - x + 1)}{(x + 1)^2 (x - 1)^4}$$

Sequence: A030538
Score: 6.41524
Type of gen. func.: ogf

$$-\frac{684 x^4 - 777 x^3 + 254 x^2 - 29 x + 1}{(x - 1) (4 x - 1) (2 x - 1) (8 x - 1) (16 x - 1)}$$

Sequence: A030539
Score: 3.25122
Type of gen. func.: ogf

$$-\frac{1048320 x^6 - 1381560 x^5 + 537549 x^4 - 80256 x^3 + 4968 x^2 - 124 x + 1}{(x - 1) (4 x - 1) (64 x - 1) (2 x - 1) (8 x - 1) (16 x - 1) (32 x - 1)}$$

Sequence: A030556
Score: 10.9030
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} - x^{9} - x^{5} + x^{4} + 1$$

Sequence: A030556
Score: 4.37917
Type of gen. func.: ogf

$$-\frac{(x^2 + x + 1)(x^2 - x + 1)(x^4 - x^3 + x^2 - x + 1)(x + 1)^2}{(x - 1)(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A030575
Score: 10.9030
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} - x^{9} - x^{5} + x^{4} + 1$$

Sequence: A030575
Score: 4.37917
Type of gen. func.: ogf

$$-\frac{(x^2 + x + 1)(x^2 - x + 1)(x^4 - x^3 + x^2 - x + 1)(x + 1)^2}{(x - 1)(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A030640
Score: 11.8749
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{(x^2 + 1)^2}$$

Sequence: A030640
Score: 19.9695
Type of gen. func.: lgdogf

$$-\frac{2x^3 - 3x^2 - 6x + 1}{(x^2 + 1)(x^2 - x - 1)}$$

Sequence: A030640
Score: 5.83510
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 1) + (-n - 2) a(n + 3), a(0) = 1, a(1) = 1, a(2) = -3\}$$

Sequence: A030640
Score: 7.12496
Type of gen. func.: ogf

$$(14 f(x) + 17) (f(x) x^4 + 2 f(x) x^2 + x^2 + f(x) - x - 1)$$

Sequence: A030645
Score: 2.36101
Type of gen. func.: ogf

$$(f(x) - 1)^2 (984064 x^5 + 5365 f(x) x - 992 f(x) - 5365 x + 992)$$

Sequence: A030646
Score: 2.66655
Type of gen. func.: ogf

$$(f(x) - 1)^2 (41984 x^5 + 185 f(x) x - 32 f(x) - 185 x + 32)$$

Sequence: A030648
Score: 6.07725
Type of gen. func.: ogf

$$\{(n^2 + 23 n + 130) a(n + 1) + (-n^2 - 7 n - 10) a(n + 2), a(0) = 1, a(1) = 27\}$$

Sequence: A030649
Score: 3.84657

Type of gen. func.: ogf

$$\{(-n^2 - 34 n - 285) a(n + 1) + (2 n^2 + 44 n + 360) a(n + 2) + (-n^2 - 10 n - 21) a(n + 3), a(0) = 1, a(1) = 56, a(2) = 1463\}$$

Sequence: A030653
Score: 15.0147
Type of gen. func.: lgdogf

$$-\frac{3 x^3 - 7 x^2 + 5 x + 23}{(x - 1) (3 x^3 - 8 x^2 + 7 x + 4)}$$

Sequence: A030653
Score: 5.03666
Type of gen. func.: ogf

$$(4164 f(x) - 2971) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 3 x^3 - 4 f(x) x + 8 x^2 + f(x) - 7 x - 4)$$

Sequence: A030653
Score: 9.35381
Type of gen. func.: ogf

$$\frac{3 x^3 - 8 x^2 + 7 x + 4}{(x - 1)^4}$$

Sequence: A030655
Score: 11.7327
Type of gen. func.: ogf

$$-\frac{2 (315 x^5 - 405 x^4 - 5 x - 6)}{(x - 1)^2}$$

Sequence: A030655
Score: 12.0476
Type of gen. func.: lgdogf

$$\frac{945 x^5 - 2385 x^4 + 1620 x^3 + 5 x + 17}{(x - 1) (315 x^5 - 405 x^4 - 5 x - 6)}$$

Sequence: A030656
Score: 11.7479
Type of gen. func.: lgdogf

$$\frac{2880 x^6 - 7020 x^5 + 4500 x^4 + 21 x + 23}{(x - 1) (720 x^6 - 900 x^5 - 21 x - 1)}$$

Sequence: A030656
Score: 12.1553
Type of gen. func.: ogf

$$- \frac{720 x^6 - 900 x^5 - 21 x - 1}{(x - 1)^2}$$

Sequence: A030662
Score: 5.58189
Type of gen. func.: ogf

$$4 f(x)^2 x^4 - 9 f(x)^2 x^3 + 6 f(x)^2 x^2 - f(x)^2 x - 8 f(x) x^2 + 10 f(x) x - 2 f(x)$$
$$+ x + 2$$

Sequence: A030695
Score: 4.77802
Type of gen. func.: ogf

$$- \frac{24256 x^6 - 97024 x^5 + 146411 x^4 - 100524 x^3 + 28506 x^2 - 7500 x - 125}{(x - 1)^4}$$

Sequence: A030696
Score: 10.6106
Type of gen. func.: ogf

$$-\frac{16 x^4 - 32 x^3 + 21 x^2 - 10 x - 5}{(x - 1)^2}$$

Sequence: A030696
Score: 11.6745
Type of gen. func.: lgdogf

$$\frac{4 (8 x^4 - 24 x^3 + 24 x^2 - 8 x + 5)}{(x - 1) (16 x^4 - 32 x^3 + 21 x^2 - 10 x - 5)}$$

Sequence: A030696
Score: 5.95824
Type of gen. func.: ogf

$$\{a(n + 5) - 2 a(n + 4) + a(n + 3), a(0) = 5, a(1) = 20, a(2) = 14, a(3) = 40,$$

$$a(4) = 50\}$$

Sequence: A030696
Score: 6.29731
Type of gen. func.: ogf

$$-(245 f(x) + 56969)$$

$$(16 x^4 + f(x) x^2 - 32 x^3 - 2 f(x) x + 21 x^2 + f(x) - 10 x - 5)$$

Sequence: A030978
Score: 10.1941
Type of gen. func.: ogf

$$\frac{x (2 x^5 - 4 x^4 + 3 x^2 - 2 x - 1)}{(x + 1) (x - 1)^3}$$

Sequence: A030978
Score: 12.5193
Type of gen. func.: lgdogf

$$\frac{2 (x^6 - 2 x^5 - x^4 + 5 x^3 + x + 2)}{(x - 1) (x + 1) (2 x^5 - 4 x^4 + 3 x^2 - 2 x - 1)}$$

Sequence: A030980
Score: 18.3507
Type of gen. func.: revogf

$$- \frac{x (x - 1)^2}{2 x^3 - 4 x^2 + 2 x - 1}$$

Sequence: A030980
Score: 5.11864
Type of gen. func.: ogf

$$-2 f(x)^3 x^3 - f(x)^3 x^2 + 4 f(x)^2 x^2 + 2 f(x)^2 x - 2 f(x) x - f(x) + 1$$

Sequence: A030981
Score: 34.7716
Type of gen. func.: revogf

$$\frac{x}{x^3 + 3 x^2 + x + 1}$$

Sequence: A030981
Score: 7.84195
Type of gen. func.: ogf

$$-f(x)^3 x^3 - 3 f(x)^2 x^2 - f(x) x + f(x) - 1$$

Sequence: A030982
Score: 5.76771
Type of gen. func.: ogf

$$-2 f(x)^3 x^4 - f(x)^3 x^3 - 10 f(x)^2 x^3 - 5 f(x)^2 x^2 - 6 f(x) x^2 - f(x) x + f(x) - x$$

Sequence: A030983
Score: 5.70557
Type of gen. func.: ogf

$$f(x)^3 x^4 + 7 f(x)^2 x^3 - 2 f(x)^2 x^2 + 15 f(x) x^2 - 8 f(x) x + 8 x^2 + f(x) - 3 x$$

Sequence: A030990
Score: 4.22539
Type of gen. func.: ogf

$$-\frac{10000 x^4 - 9000 x^3 + 300 x^2 - 10 x - 3}{(x - 1) (10 x + 1) (10 x - 1) (100 x^2 - 10 x + 1)}$$

Sequence: A031058
Score: 4.46399
Type of gen. func.: ogf

$$\frac{25 x^4 + 3 x^3 + 3 x^2 + 3 x + 62}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A031138
Score: 11.0794
Type of gen. func.: ogf

$$-\frac{(x + 1)^2}{(x - 1) (x^2 - 10 x + 1)}$$

Sequence: A031138
Score: 14.9135
Type of gen. func.: lgdogf

$$-\frac{x^3 + 3 x^2 - 33 x + 13}{(x - 1) (x + 1) (x^2 - 10 x + 1)}$$

Sequence: A031138
Score: 5.96585
Type of gen. func.: ogf

$$\{a(n + 3) - 11 a(n + 2) + 11 a(n + 1) - a(n), a(0) = 1, a(1) = 13, a(2) = 133\}$$

Sequence: A031138
Score: 6.06961
Type of gen. func.: ogf

$$(99 f(x) - 13) (f(x) x^3 - 11 f(x) x^2 + 11 f(x) x + x^2 - f(x) + 2 x + 1)$$

Sequence: A031139
Score: 5.06992
Type of gen. func.: ogf

$$-(8 x^{11} + 8 x^{10} + 7 x^9 + 9 x^8 + 6 x^7 + 4 x^6 + 4 x^5 + 3 x^4 + 5 x^3 + 5 x^2 + 8 x + 7) / ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x^4 - x^2 + 1))$$

Sequence: A031149
Score: 5.06938
Type of gen. func.: ogf

$$- x (4 x^{13} + 7 x^{12} + 13 x^{11} + 16 x^{10} + 57 x^9 + 38 x^8 + 19 x^7 - 16 x^6 - 13 x^5 - 7 x^4 - 4 x^3 - 3 x^2 - 2 x - 1) / (x^{14} - 38 x^7 + 1)$$

Sequence: A031150
Score: 5.36124
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^9 + 4 x^8 + 5 x^7 + 18 x^6 + 12 x^5 + 6 x^4 + 5 x^3 + 4 x^2 + 2 x + 1}{x^{14} - 38 x^7 + 1}$$

Sequence: A031164
Score: 15.6510
Type of gen. func.: lgdogf

$$-\frac{2 (5 x^3 + 2 x^2 + 7 x + 2)}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A031164
Score: 22.9456
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^3 + 5 x + 4]$$

Sequence: A031164
Score: 4.90022
Type of gen. func.: ogf

$$\frac{x^2 + 1}{(x + 1)^4 (x - 1)^8}$$

Sequence: A031193
Score: 13.6954
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 3$$

Sequence: A031193
Score: 24.4857
Type of gen. func.: ogf

$$\frac{3}{(x-1)^2}$$

Sequence: A031193
Score: 31.6714
Type of gen. func.: revogf

$$\frac{12\,x}{(3+(9+12\,x)^{1/2})^2}$$

Sequence: A031193
Score: 9.85400
Type of gen. func.: ogf

$$\{-a(n+2)+2\,a(n+1)-a(n),\ a(0)=3,\ a(1)=6\}$$

Sequence: A031193
Score: 98.9732
Type of gen. func.: lgdogf

$$-\frac{2}{x-1}$$

Sequence: A031313
Score: 4.97337
Type of gen. func.: ogf

$$\frac{41\,x^5+3\,x^4+3\,x^3+3\,x^2+3\,x+97}{(x^4+x^3+x^2+x+1)\,(x-1)^2}$$

Sequence: A031436
Score: 4.20634
Type of gen. func.: ogf

$$-(f(x) - x - 1)^3$$

Sequence: A031438
Score: 2.56004
Type of gen. func.: ogf

$$-(f(x) - x - 1)^3$$

Sequence: A031441
Score: 9.42736
Type of gen. func.: ogf

$$-\frac{102 x^7 + 18 x^6 + 16 x^5 + 11 x^4 + 17 x^3 + 7 x^2 + 5 x + 3}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A031479
Score: 4.65986
Type of gen. func.: ogf

$$- (24 x^{12} - 6 x^{11} - 6 x^{10} - 6 x^9 - 2 x^8 - x^7 - x^6 - x^5 - 73 x^4 - 36 x^3 - 36 x^2 - 36 x - 36) / ((x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2)$$

Sequence: A031483
Score: 5.64059
Type of gen. func.: ogf

$$-\frac{5 x^{10} - x^9 - x^8 - x^7 - x^6 - 15 x^5 - 7 x^4 - 7 x^3 - 7 x^2 - 7 x - 7}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A031485

Score: 5.30941
Type of gen. func.: ogf

$$\frac{8 x^{11} - 5 x^{10} + x^{9} + x^{8} + x^{7} + 2 x^{6} + 7 x^{5} + 7 x^{4} + 7 x^{3} + 7 x^{2} + 7 x + 6}{(x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A031488
Score: 4.94990
Type of gen. func.: ogf

$$- (6 x^{12} - x^{11} - x^{10} - x^{9} - x^{8} - x^{7} - 17 x^{6} - 8 x^{5} - 8 x^{4} - 8 x^{3} - 8 x^{2} - 8 x - 8) / ((x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x - 1)^{2})$$

Sequence: A031490
Score: 4.69443
Type of gen. func.: ogf

$$(9 x^{13} - 6 x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + 2 x^{7} + 8 x^{6} + 8 x^{5} + 8 x^{4} + 8 x^{3} + 8 x^{2} + 8 x + 7) / ((x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x - 1)^{2})$$

Sequence: A031506
Score: 10.5233
Type of gen. func.: lgdogf

$$- \frac{(-2 + 3 x) (x^{3} - 2 x^{2} + 2)}{(x - 1) (x^{2} - 3 x + 1) (x^{3} - x^{2} - 1)}$$

Sequence: A031506
Score: 4.17974
Type of gen. func.: ogf

$\{-a(n + 4) + 4 a(n + 3) - 4 a(n + 2) + a(n + 1), a(0) = 1, a(1) = 4, a(2) = 13,$

$a(3) = 36\}$

Sequence: A031506
Score: 4.51681
Type of gen. func.: ogf

$$-(156 f(x) - 1481) (f(x) x^{3} - 4 f(x) x^{2} - x^{3} + 4 f(x) x + x^{2} - f(x) + 1)$$

Sequence: A031506
Score: 8.61669
Type of gen. func.: ogf

$$\frac{x^{3} - x^{2} - 1}{(x - 1) (x^{2} - 3 x + 1)}$$

Sequence: A031710
Score: 13.3012
Type of gen. func.: ogf

$$-\frac{255 x + 257}{(x - 1)^{3}}$$

Sequence: A031710
Score: 24.0020
Type of gen. func.: lgdogf

$$-\frac{6 (171 + 85 x)}{(255 x + 257) (x - 1)}$$

Sequence: A031710
Score: 5.83206
Type of gen. func.: ogf

$(37595906048 f(x) - 13104008693011)$

^{3} ^{2}

$(f(x) x - 3 f(x) x + 3 f(x) x - f(x) + 255 x + 257)$

Sequence: A031710
Score: 6.31806
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 257, a(1) = 1026,$

$a(2) = 2307\}$

Sequence: A031711
Score: 20.5056
Type of gen. func.: lgdogf

$$- \frac{2 (2180 + 1087 x)}{(1087 x + 1091) (x - 1)}$$

Sequence: A031712
Score: 24.2295
Type of gen. func.: lgdogf

$$- \frac{3 (193 + 96 x)}{(144 x + 145) (x - 1)}$$

Sequence: A031713
Score: 11.7601
Type of gen. func.: ogf

$$- \frac{1223 x + 1227}{(x - 1)^3}$$

Sequence: A031713
Score: 18.8956
Type of gen. func.: lgdogf

$$- \frac{2 (2452 + 1223 x)}{(1223 x + 1227) (x - 1)}$$

Sequence: A031713
Score: 4.95603
Type of gen. func.: ogf

$$(531766198967500 f(x) - 886399704854288307) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 1223 x + 1227)$$

Sequence: A031713
Score: 5.68725
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1227, a(1) = 4904, a(2) = 11031\}$$

Sequence: A031714
Score: 22.6180
Type of gen. func.: lgdogf

$$- \frac{2 (649 + 323 x)}{(323 x + 325) (x - 1)}$$

Sequence: A031715
Score: 11.8754
Type of gen. func.: ogf

$$- \frac{1367 x + 1371}{(x - 1)^3}$$

Sequence: A031715
Score: 19.0845
Type of gen. func.: lgdogf

$$- \frac{2 (2740 + 1367 x)}{(1367 x + 1371) (x - 1)}$$

Sequence: A031715
Score: 4.96913
Type of gen. func.: ogf

$$(829396808933068 f(x) - 1544968647672922755)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 1367 x + 1371)$$

Sequence: A031715
Score: 5.74301
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1371, a(1) = 5480, a(2) = 12327\}$$

Sequence: A031716
Score: 22.7273
Type of gen. func.: lgdogf

$$- \frac{3 (241 + 120 x)}{(180 x + 181) (x - 1)}$$

Sequence: A031717
Score: 11.9907
Type of gen. func.: ogf

$$- \frac{1519 x + 1523}{(x - 1)^3}$$

Sequence: A031717
Score: 19.2735
Type of gen. func.: lgdogf

$$- \frac{2 (3044 + 1519 x)}{(1519 x + 1523) (x - 1)}$$

Sequence: A031717
Score: 5.05321
Type of gen. func.: ogf

$$(180527656488660 f(x) - 373603328202882413)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 1519 x + 1523)$$

Sequence: A031717
Score: 5.79877
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1523, a(1) = 6088,

a(2) = 13695}

Sequence: A031718
Score: 18.1637
Type of gen. func.: ogf

$$-\frac{399 x + 401}{(x - 1)^3}$$

Sequence: A031718
Score: 21.9858
Type of gen. func.: lgdogf

$$-\frac{6 (267 + 133 x)}{(399 x + 401) (x - 1)}$$

Sequence: A031718
Score: 7.96411
Type of gen. func.: ogf

$$(95987840000 f(x) - 52257018001327)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 399 x + 401)$$

Sequence: A031718
Score: 8.62775
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 401, a(1) = 1602,

a(2) = 3603}

Sequence: A031719
Score: 12.1060
Type of gen. func.: ogf

$$-\frac{1679 x + 1683}{(x - 1)^3}$$

Sequence: A031719
Score: 19.4624
Type of gen. func.: lgdogf

$$-\frac{2 (3364 + 1679 x)}{(1679 x + 1683) (x - 1)}$$

Sequence: A031719
Score: 5.02994
Type of gen. func.: ogf

$$(1885278508055500 f(x) - 4311885517402831131)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 1679 x + 1683)$$

Sequence: A031719
Score: 5.85452
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1683, a(1) = 6728,

a(2) = 15135}

Sequence: A031720
Score: 23.4515
Type of gen. func.: lgdogf

$$-\frac{883 + 440 x}{(220 x + 221) (x - 1)}$$

Sequence: A031721

Score: 12.1636
Type of gen. func.: ogf

$$-\frac{1847 x + 1851}{(x - 1)^3}$$

Sequence: A031721
Score: 19.5569
Type of gen. func.: lgdogf

$$-\frac{2 (3700 + 1847 x)}{(1847 x + 1851) (x - 1)}$$

Sequence: A031721
Score: 5.05389
Type of gen. func.: ogf

$$(2759527989512908 f(x) - 6941987059231545315)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 1847 x + 1851)$$

Sequence: A031721
Score: 5.88240
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1851, a(1) = 7400,$$

$$a(2) = 16647\}$$

Sequence: A031722
Score: 12.6469
Type of gen. func.: ogf

$$-\frac{483 x + 485}{(x - 1)^3}$$

Sequence: A031722
Score: 22.0941
Type of gen. func.: lgdogf

$$-\frac{6\,(323 + 161\,x)}{(483\,x + 485)\,(x - 1)}$$

Sequence: A031722
Score: 5.46116
Type of gen. func.: ogf

$$(617175542720\,f(x) - 406513182870673)$$

$$(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x - f(x) + 483\,x + 485)$$

Sequence: A031722
Score: 6.00728
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 485, a(1) = 1938,

a(2) = 4359}

Sequence: A031723
Score: 12.2213
Type of gen. func.: ogf

$$-\frac{2023\,x + 2027}{(x - 1)^{3}}$$

Sequence: A031723
Score: 19.6514
Type of gen. func.: lgdogf

$$-\frac{2\,(4052 + 2023\,x)}{(2023\,x + 2027)\,(x - 1)}$$

Sequence: A031723
Score: 5.11386
Type of gen. func.: ogf

$$(567118750252500\,f(x) - 1562430707375900501)$$

$$^{3} \qquad\qquad ^{2}$$

$(f(x) x - 3 f(x) x + 3 f(x) x - f(x) + 2023 x + 2027)$

Sequence: A031723
Score: 5.91028
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2027, a(1) = 8104,$

$a(2) = 18231\}$

Sequence: A031724
Score: 12.7077
Type of gen. func.: ogf

$$- \frac{2 (264 x + 265)}{(x - 1)^3}$$

Sequence: A031724
Score: 22.2024
Type of gen. func.: lgdogf

$$- \frac{3 (353 + 176 x)}{(264 x + 265) (x - 1)}$$

Sequence: A031724
Score: 5.48742
Type of gen. func.: ogf

$(385300480055 f(x) - 277368035790046)$

$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 528 x + 530)$

Sequence: A031724
Score: 6.03617
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 530, a(1) = 2118,$

$a(2) = 4764\}$

Sequence: A031725
Score: 12.3366
Type of gen. func.: ogf

$$-\frac{2207 x + 2211}{(x - 1)^3}$$

Sequence: A031725
Score: 19.8403
Type of gen. func.: lgdogf

$$-\frac{2 (4420 + 2207 x)}{(2207 x + 2211) (x - 1)}$$

Sequence: A031725
Score: 5.0899
Type of gen. func.: ogf

$$(5621361028298188 f(x) - 16893897984343069035)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 2207 x + 2211)$$

Sequence: A031725
Score: 5.96604
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2211, a(1) = 8840,$$
$$a(2) = 19887\}$$

Sequence: A031726
Score: 12.7077
Type of gen. func.: ogf

$$-\frac{575 x + 577}{(x - 1)^3}$$

Sequence: A031726

Score: 21.5296
Type of gen. func.: lgdogf

$$-\frac{2\,(1153 + 575\,x)}{(575\,x + 577)\,(x - 1)}$$

Sequence: A031726
Score: 5.32602
Type of gen. func.: ogf

$$(25994595188736\,f(x) - 20374629933151297)$$

$$(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x - f(x) + 575\,x + 577)$$

Sequence: A031726
Score: 6.03617
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 577,\ a(1) = 2306,\ a(2) = 5187\}$$

Sequence: A031727
Score: 12.3942
Type of gen. func.: ogf

$$-\frac{2399\,x + 2403}{(x - 1)^3}$$

Sequence: A031727
Score: 19.9348
Type of gen. func.: lgdogf

$$-\frac{2\,(4804 + 2399\,x)}{(2399\,x + 2403)\,(x - 1)}$$

Sequence: A031727
Score: 5.11369
Type of gen. func.: ogf

$$(7845407957683660 f(x) - 25626682768620455211)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 2399 x + 2403)$$

Sequence: A031727
Score: 5.99392
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2403, a(1) = 9608, a(2) = 21615\}$$

Sequence: A031728
Score: 12.8293
Type of gen. func.: ogf

$$- \frac{2 (312 x + 313)}{(x - 1)^3}$$

Sequence: A031728
Score: 22.4190
Type of gen. func.: lgdogf

$$- \frac{3 (417 + 208 x)}{(312 x + 313) (x - 1)}$$

Sequence: A031728
Score: 5.53993
Type of gen. func.: ogf

$$(250223828125 f(x) - 212803059998954)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 624 x + 626)$$

Sequence: A031728
Score: 6.09392
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 626, a(1) = 2502, a(2) = 5628\}$$

Sequence: A031729
Score: 12.5095
Type of gen. func.: ogf

$$-\frac{2599 x + 2603}{(x - 1)^3}$$

Sequence: A031729
Score: 20.1238
Type of gen. func.: lgdogf

$$-\frac{2 (5204 + 2599 x)}{(2599 x + 2603) (x - 1)}$$

Sequence: A031729
Score: 5.12542
Type of gen. func.: ogf

$$(10804332189997260 f(x) - 38231023943723493011)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 2599 x + 2603)$$

Sequence: A031729
Score: 6.00049
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2603, a(1) = 10408,$$

$$a(2) = 23415\}$$

Sequence: A031730
Score: 12.8293
Type of gen. func.: ogf

$$-\frac{675 x + 677}{(x - 1)^3}$$

Sequence: A031730
Score: 22.4190
Type of gen. func.: lgdogf

$$-\frac{6\,(451 + 225\,x)}{(675\,x + 677)\,(x - 1)}$$

Sequence: A031730
Score: 5.37699
Type of gen. func.: ogf

$$(16436792437312\,f(x) - 15118881157164599)$$

$$(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x - f(x) + 675\,x + 677)$$

Sequence: A031730
Score: 6.09392
Type of gen. func.: ogf

$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 677,\ a(1) = 2706,$

$a(2) = 6087\}$

Sequence: A031731
Score: 12.0424
Type of gen. func.: ogf

$$-\frac{2807\,x + 2811}{(x - 1)^{3}}$$

Sequence: A031731
Score: 19.3620
Type of gen. func.: lgdogf

$$-\frac{2\,(5620 + 2807\,x)}{(2807\,x + 2811)\,(x - 1)}$$

Sequence: A031731
Score: 5.00352

Type of gen. func.: ogf

$$(2099598320483284 f(x) - 8023416489761929605)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 2807 x + 2811)$$

Sequence: A031731
Score: 5.77642
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2811, a(1) = 11240, a(2) = 25287\}$$

Sequence: A031732
Score: 12.8901
Type of gen. func.: ogf

$$-\frac{2 (364 x + 365)}{(x - 1)^3}$$

Sequence: A031732
Score: 23.2540
Type of gen. func.: lgdogf

$$-\frac{1459 + 728 x}{(364 x + 365) (x - 1)}$$

Sequence: A031732
Score: 5.56618
Type of gen. func.: ogf

$$(595423839195 f(x) - 590605904252734)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 728 x + 730)$$

Sequence: A031732
Score: 6.12281
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 730, a(1) = 2918, a(2) = 6564\}$$

Sequence: A031733
Score: 12.0424
Type of gen. func.: ogf

$$-\frac{3023 x + 3027}{(x - 1)^{3}}$$

Sequence: A031733
Score: 19.3620
Type of gen. func.: lgdogf

$$-\frac{2 (6052 + 3023 x)}{(3023 x + 3027) (x - 1)}$$

Sequence: A031733
Score: 4.93402
Type of gen. func.: ogf

$$(19766081574167500 f(x) - 81341419379759772507) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x - f(x) + 3023 x + 3027)$$

Sequence: A031733
Score: 5.77642
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3027, a(1) = 12104, a(2) = 27231\}$$

Sequence: A031734
Score: 12.8901
Type of gen. func.: ogf

$$-\frac{783 x + 785}{(x - 1)^{3}}$$

Sequence: A031734
Score: 22.5273
Type of gen. func.: lgdogf

$$-\frac{6 (523 + 261 x)}{(783 x + 785) (x - 1)}$$

Sequence: A031734
Score: 5.40247
Type of gen. func.: ogf

$$(29734561776640 f(x) - 31718383162357211)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 783 x + 785)$$

Sequence: A031734
Score: 6.12281
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 785, a(1) = 3138,

a(2) = 7059}

Sequence: A031735
Score: 12.0995
Type of gen. func.: ogf

$$-\frac{3247 x + 3251}{(x - 1)^3}$$

Sequence: A031735
Score: 19.4555
Type of gen. func.: lgdogf

$$-\frac{2 (6500 + 3247 x)}{(3247 x + 3251) (x - 1)}$$

Sequence: A031735
Score: 4.92322
Type of gen. func.: ogf

$$(26303317759836108 f(x) - 116257507914981085115)$$
$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 3247 x + 3251)$$

Sequence: A031735
Score: 5.80380
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3251, a(1) = 13000,$$
$$a(2) = 29247\}$$

Sequence: A031736
Score: 12.9509
Type of gen. func.: ogf

$$- \frac{2 (420 x + 421)}{(x - 1)^3}$$

Sequence: A031736
Score: 22.6356
Type of gen. func.: lgdogf

$$- \frac{3 (561 + 280 x)}{(420 x + 421) (x - 1)}$$

Sequence: A031736
Score: 5.59244
Type of gen. func.: ogf

$$(117173121427 f(x) - 134075031862334)$$
$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 840 x + 842)$$

Sequence: A031736
Score: 6.15169

Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 842, a(1) = 3366, a(2) = 7572\}$$

Sequence: A031737
Score: 12.1565
Type of gen. func.: ogf

$$-\frac{3479 x + 3483}{(x - 1)^3}$$

Sequence: A031737
Score: 19.5490
Type of gen. func.: lgdogf

$$-\frac{2 (6964 + 3479 x)}{(3479 x + 3483) (x - 1)}$$

Sequence: A031737
Score: 5.01562
Type of gen. func.: ogf

$$(4951343947167700 f(x) - 23446788694109247333)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 3479 x + 3483)$$

Sequence: A031737
Score: 5.83118
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3483, a(1) = 13928, a(2) = 31335\}$$

Sequence: A031738
Score: 12.9509
Type of gen. func.: ogf

$$899 x + 901$$

$$- \frac{}{(x - 1)^3}$$

Sequence: A031738
Score: 21.9497
Type of gen. func.: lgdogf

$$- \frac{2 (1801 + 899 x)}{(899 x + 901) (x - 1)}$$

Sequence: A031738
Score: 5.34929
Type of gen. func.: ogf

$$(154903761720000 f(x) - 189679240488788101)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 899 x + 901)$$

Sequence: A031738
Score: 6.15169
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 901, a(1) = 3602,$$

$$a(2) = 8103\}$$

Sequence: A031739
Score: 12.1565
Type of gen. func.: ogf

$$- \frac{3719 x + 3723}{(x - 1)^3}$$

Sequence: A031739
Score: 19.5490
Type of gen. func.: lgdogf

$$- \frac{2 (7444 + 3719 x)}{(3719 x + 3723) (x - 1)}$$

```
------------------------------------------------------------------------------

Sequence:  A031739
Score: 4.94644
Type of gen. func.: ogf


(45251994117846220 f(x) - 229060162008132632691)

          3           2
    (f(x) x  - 3 f(x) x  + 3 f(x) x - f(x) + 3719 x + 3723)



------------------------------------------------------------------------------

Sequence:  A031739
Score: 5.83118
Type of gen. func.: ogf


{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3723, a(1) = 14888,

    a(2) = 33495}



------------------------------------------------------------------------------

Sequence:  A031740
Score: 12.9509
Type of gen. func.: ogf


                                    2 (480 x + 481)
                                  - ---------------
                                              3
                                       (x - 1)



------------------------------------------------------------------------------

Sequence:  A031740
Score: 22.6356
Type of gen. func.: lgdogf


                                    3 (641 + 320 x)
                               - ---------------------
                                 (480 x + 481) (x - 1)



------------------------------------------------------------------------------

Sequence:  A031740
Score: 5.50897
Type of gen. func.: ogf


(4195008255047 f(x) - 5484837537080014)

          3           2
    (f(x) x  - 3 f(x) x  + 3 f(x) x - f(x) + 960 x + 962)



------------------------------------------------------------------------------
```

Sequence: A031740
Score: 6.15169
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 962, a(1) = 3846, a(2) = 8652\}$$

Sequence: A031741
Score: 12.2136
Type of gen. func.: ogf

$$-\frac{3967 x + 3971}{(x - 1)^{3}}$$

Sequence: A031741
Score: 19.6426
Type of gen. func.: lgdogf

$$-\frac{2 (7940 + 3967 x)}{(3967 x + 3971) (x - 1)}$$

Sequence: A031741
Score: 4.96966
Type of gen. func.: ogf

$$(58575769035665868 f(x) - 316262407832100778955) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x - f(x) + 3967 x + 3971)$$

Sequence: A031741
Score: 5.85855
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3971, a(1) = 15880, a(2) = 35727\}$$

Sequence: A031742
Score: 12.6881
Type of gen. func.: ogf

$$-\frac{1023 x + 1025}{(x - 1)^3}$$

Sequence: A031742
Score: 21.6099
Type of gen. func.: lgdogf

$$-\frac{6 (683 + 341 x)}{(1023 x + 1025) (x - 1)}$$

Sequence: A031742
Score: 5.3856
Type of gen. func.: ogf

$$(86526415339520 f(x) - 120544993831728811)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 1023 x + 1025)$$

Sequence: A031742
Score: 6.18678
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1025, a(1) = 4098,$

$a(2) = 9219\}$

Sequence: A031743
Score: 12.2707
Type of gen. func.: ogf

$$-\frac{4223 x + 4227}{(x - 1)^3}$$

Sequence: A031743
Score: 19.7361
Type of gen. func.: lgdogf

$$2 (8452 + 4223 x)$$

```
                           - -----------------------
                             (4223 x + 4227) (x - 1)



------------------------------------------------------------------------------

Sequence:  A031743
Score: 4.99289
Type of gen. func.: ogf


(75213450423767500 f(x) - 432282187353704495307)

           3           2
    (f(x) x  - 3 f(x) x  + 3 f(x) x - f(x) + 4223 x + 4227)



------------------------------------------------------------------------------

Sequence:  A031743
Score: 5.88593
Type of gen. func.: ogf


{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 4227, a(1) = 16904,

    a(2) = 38031}



------------------------------------------------------------------------------

Sequence:  A031744
Score: 12.7469
Type of gen. func.: ogf


                                 2 (544 x + 545)
                               - ---------------
                                           3
                                    (x - 1)



------------------------------------------------------------------------------

Sequence:  A031744
Score: 23.0688
Type of gen. func.: lgdogf


                                  2179 + 1088 x
                            - ---------------------
                              (544 x + 545) (x - 1)



------------------------------------------------------------------------------

Sequence:  A031744
Score: 5.44974
Type of gen. func.: ogf


(20751631082325 f(x) - 30744979636060138)

           3           2
    (f(x) x  - 3 f(x) x  + 3 f(x) x - f(x) + 1088 x + 1090)
```

Sequence: A031744
Score: 6.21542
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1090, a(1) = 4358, a(2) = 9804\}$$

Sequence: A031745
Score: 12.3277
Type of gen. func.: ogf

$$-\frac{4487 x + 4491}{(x - 1)^3}$$

Sequence: A031745
Score: 19.8297
Type of gen. func.: lgdogf

$$-\frac{2 (8980 + 4487 x)}{(4487 x + 4491) (x - 1)}$$

Sequence: A031745
Score: 5.05094
Type of gen. func.: ogf

$$(13692556220840404 f(x) - 83613458768662815285) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 4487 x + 4491)$$

Sequence: A031745
Score: 5.91331
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 4491, a(1) = 17960, a(2) = 40407\}$$

Sequence: A031746
Score: 12.2809
Type of gen. func.: ogf

$$-\frac{1155 x + 1157}{(x - 1)^3}$$

Sequence: A031746
Score: 20.9069
Type of gen. func.: lgdogf

$$-\frac{6 (771 + 385 x)}{(1155 x + 1157) (x - 1)}$$

Sequence: A031746
Score: 5.28884
Type of gen. func.: ogf

$$(6691798736192 f(x) - 10524196210300219)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 1155 x + 1157)$$

Sequence: A031746
Score: 5.93911
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1157, a(1) = 4626,

a(2) = 10407}

Sequence: A031747
Score: 12.3277
Type of gen. func.: ogf

$$-\frac{4759 x + 4763}{(x - 1)^3}$$

Sequence: A031747
Score: 19.8297
Type of gen. func.: lgdogf

$$-\frac{2\,(9524 + 4759\,x)}{(4759\,x + 4763)\,(x - 1)}$$

Sequence: A031747
Score: 4.98175
Type of gen. func.: ogf

$$(121275411049883340\,f(x) - 785434884454200237251)$$

$$(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x - f(x) + 4759\,x + 4763)$$

Sequence: A031747
Score: 5.91331
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 4763,\ a(1) = 19048,$$

$$a(2) = 42855\}$$

Sequence: A031748
Score: 11.7601
Type of gen. func.: ogf

$$-\frac{2\,(612\,x + 613)}{(x - 1)^3}$$

Sequence: A031748
Score: 21.2575
Type of gen. func.: lgdogf

$$-\frac{3\,(817 + 408\,x)}{(612\,x + 613)\,(x - 1)}$$

Sequence: A031748
Score: 5.02786
Type of gen. func.: ogf

$$(11075091199375\,f(x) - 18457219062336662)$$

```
           3           2
    (f(x) x  - 3 f(x) x  + 3 f(x) x - f(x) + 1224 x + 1226)



------------------------------------------------------------------------------

Sequence:  A031748
Score: 5.68725
Type of gen. func.: ogf


{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1226, a(1) = 4902,

    a(2) = 11028}



------------------------------------------------------------------------------

Sequence:  A031749
Score: 12.3277
Type of gen. func.: ogf


                                  5039 x + 5043
                                - -------------
                                           3
                                    (x - 1)



------------------------------------------------------------------------------

Sequence:  A031749
Score: 19.2937
Type of gen. func.: lgdogf


                               2 (10084 + 5039 x)
                           - -----------------------
                             (5039 x + 5043) (x - 1)



------------------------------------------------------------------------------

Sequence:  A031749
Score: 4.94786
Type of gen. func.: ogf


(152420380243730380 f(x) - 1045192825066374378171)

           3           2
    (f(x) x  - 3 f(x) x  + 3 f(x) x - f(x) + 5039 x + 5043)



------------------------------------------------------------------------------

Sequence:  A031749
Score: 5.91331
Type of gen. func.: ogf


{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 5043, a(1) = 20168,

    a(2) = 45375}
```

Sequence: A031750
Score: 11.8754
Type of gen. func.: ogf

$$-\frac{1295 x + 1297}{(x - 1)^3}$$

Sequence: A031750
Score: 19.0845
Type of gen. func.: lgdogf

$$-\frac{2 (2593 + 1295 x)}{(1295 x + 1297) (x - 1)}$$

Sequence: A031750
Score: 5.04062
Type of gen. func.: ogf

$$(95139073594368 f(x) - 167742017778178471)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 1295 x + 1297)$$

Sequence: A031750
Score: 5.74301
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1297, a(1) = 5186,$$

$$a(2) = 11667\}$$

Sequence: A031751
Score: 12.3848
Type of gen. func.: ogf

$$-\frac{5327 x + 5331}{(x - 1)^3}$$

Sequence: A031751
Score: 19.3847
Type of gen. func.: lgdogf

$$-\frac{2 (10660 + 5327 x)}{(5327 x + 5331) (x - 1)}$$

Sequence: A031751
Score: 5.03933
Type of gen. func.: ogf

$$(27193031124849364 f(x) - 197123164292111654925)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 5327 x + 5331)$$

Sequence: A031751
Score: 5.94068
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 5331, a(1) = 21320,$$

$$a(2) = 47967\}$$

Sequence: A031752
Score: 11.8754
Type of gen. func.: ogf

$$-\frac{2 (684 x + 685)}{(x - 1)^3}$$

Sequence: A031752
Score: 21.4701
Type of gen. func.: lgdogf

$$-\frac{3 (913 + 456 x)}{(684 x + 685) (x - 1)}$$

Sequence: A031752
Score: 5.07715
Type of gen. func.: ogf

$$(17274394948735 f(x) - 32172121951910246)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 1368 x + 1370)$$

Sequence: A031752
Score: 5.74301
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1370, a(1) = 5478,$$
$$a(2) = 12324\}$$

Sequence: A031753
Score: 12.3848
Type of gen. func.: ogf

$$-\frac{5623 x + 5627}{(x - 1)^3}$$

Sequence: A031753
Score: 19.3847
Type of gen. func.: lgdogf

$$-\frac{2 (11252 + 5623 x)}{(5623 x + 5627) (x - 1)}$$

Sequence: A031753
Score: 4.97077
Type of gen. func.: ogf

$$(236297805229687500 f(x) - 1808066348717383231907)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 5623 x + 5627)$$

Sequence: A031753
Score: 5.94068
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 5627, a(1) = 22504,$$

$a(2) = 50631\}$

Sequence: A031754
Score: 11.9330
Type of gen. func.: ogf

$$-\frac{1443 x + 1445}{(x - 1)^3}$$

Sequence: A031754
Score: 20.3072
Type of gen. func.: lgdogf

$$-\frac{6 (963 + 481 x)}{(1443 x + 1445) (x - 1)}$$

Sequence: A031754
Score: 5.1018
Type of gen. func.: ogf

$$(12670912742080 f(x) - 24891113785417493)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 1443 x + 1445)$$

Sequence: A031754
Score: 5.77089
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1445, a(1) = 5778,$

$a(2) = 12999\}$

Sequence: A031755
Score: 12.4419
Type of gen. func.: ogf

$$-\frac{5927 x + 5931}{(x - 1)^3}$$

Sequence: A031755
Score: 19.4757
Type of gen. func.: lgdogf

$$-\frac{2\,(11860 + 5927\,x)}{(5927\,x + 5931)\,(x - 1)}$$

Sequence: A031755
Score: 4.99368
Type of gen. func.: ogf

$$(291670448831494348\,f(x) - 2352361282736391030675)$$

$$(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x - f(x) + 5927\,x + 5931)$$

Sequence: A031755
Score: 5.96806
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 5931,\ a(1) = 23720,\ a(2) = 53367\}$$

Sequence: A031756
Score: 11.9907
Type of gen. func.: ogf

$$-\frac{2\,(760\,x + 761)}{(x - 1)^{3}}$$

Sequence: A031756
Score: 21.6826
Type of gen. func.: lgdogf

$$-\frac{3043 + 1520\,x}{(760\,x + 761)\,(x - 1)}$$

Sequence: A031756

Score: 5.08956
Type of gen. func.: ogf

$$(78961491417861 f(x) - 163384154137978042)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 1520 x + 1522)$$

Sequence: A031756
Score: 5.79877
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1522, a(1) = 6086, a(2) = 13692\}$$

Sequence: A031757
Score: 12.4419
Type of gen. func.: ogf

$$-\frac{6239 x + 6243}{(x - 1)^3}$$

Sequence: A031757
Score: 19.4757
Type of gen. func.: lgdogf

$$-\frac{2 (12484 + 6239 x)}{(6239 x + 6243) (x - 1)}$$

Sequence: A031757
Score: 4.99368
Type of gen. func.: ogf

$$(358080464399723980 f(x) - 3039926599456323964971)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 6239 x + 6243)$$

Sequence: A031757
Score: 5.96806
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 6243, a(1) = 24968, a(2) = 56175\}$$

Sequence: A031758
Score: 12.1060
Type of gen. func.: ogf

$$-\frac{1599 x + 1601}{(x - 1)^{3}}$$

Sequence: A031758
Score: 20.0185
Type of gen. func.: lgdogf

$$-\frac{6 (1067 + 533 x)}{(1599 x + 1601) (x - 1)}$$

Sequence: A031758
Score: 5.06561
Type of gen. func.: ogf

$$(515670026240000 f(x) - 1122415550496431467) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x - f(x) + 1599 x + 1601)$$

Sequence: A031758
Score: 5.85452
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1601, a(1) = 6402, a(2) = 14403\}$$

Sequence: A031759
Score: 11.9168
Type of gen. func.: ogf

$$-\frac{6559 x + 6563}{{}^{3}}$$

$$(x - 1)$$

Sequence: A031759
Score: 18.6423
Type of gen. func.: lgdogf

$$-\frac{2 (13124 + 6559 x)}{(6559 x + 6563) (x - 1)}$$

Sequence: A031759
Score: 4.84893
Type of gen. func.: ogf

$$(62480353461956820 f(x) - 557622234531075802493)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 6559 x + 6563)$$

Sequence: A031759
Score: 5.71621
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 6563, a(1) = 26248, a(2) = 59055\}$$

Sequence: A031760
Score: 12.1060
Type of gen. func.: ogf

$$-\frac{2 (840 x + 841)}{(x - 1)^3}$$

Sequence: A031760
Score: 21.2317
Type of gen. func.: lgdogf

$$-\frac{3 (1121 + 560 x)}{(840 x + 841) (x - 1)}$$

Sequence: A031760
Score: 5.21351
Type of gen. func.: ogf

$$(5609703562961 f(x) - 12828211586750002)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 1680 x + 1682)$$

Sequence: A031760
Score: 5.85452
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1682, a(1) = 6726,$$

$$a(2) = 15132\}$$

Sequence: A031761
Score: 11.9168
Type of gen. func.: ogf

$$- \frac{6887 x + 6891}{(x - 1)^3}$$

Sequence: A031761
Score: 18.6423
Type of gen. func.: lgdogf

$$- \frac{2 (13780 + 6887 x)}{(6887 x + 6891) (x - 1)}$$

Sequence: A031761
Score: 4.78296
Type of gen. func.: ogf

$$(531598510568526028 f(x) - 4981554775976499507795)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 6887 x + 6891)$$

Sequence: A031761

Score: 5.71621
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 6891, a(1) = 27560, a(2) = 62007\}$$

Sequence: A031762
Score: 12.1636
Type of gen. func.: ogf

$$-\frac{1763 x + 1765}{(x - 1)^3}$$

Sequence: A031762
Score: 19.5569
Type of gen. func.: lgdogf

$$-\frac{2 (3529 + 1763 x)}{(1763 x + 1765) (x - 1)}$$

Sequence: A031762
Score: 5.05389
Type of gen. func.: ogf

$$(2285588943288000 f(x) - 5484690370109359333) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 1763 x + 1765)$$

Sequence: A031762
Score: 5.88240
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1765, a(1) = 7058, a(2) = 15879\}$$

Sequence: A031763
Score: 11.9733
Type of gen. func.: ogf

$$-\frac{7223 x + 7227}{(x - 1)^3}$$

Sequence: A031763
Score: 18.7324
Type of gen. func.: lgdogf

$$-\frac{2 (14452 + 7223 x)}{(7223 x + 7227) (x - 1)}$$

Sequence: A031763
Score: 4.80563
Type of gen. func.: ogf

$$(643144019912567500 f(x) - 6320763945140726702307)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 7223 x + 7227)$$

Sequence: A031763
Score: 5.74330
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 7227, a(1) = 28904,$

$a(2) = 65031\}$

Sequence: A031764
Score: 12.1636
Type of gen. func.: ogf

$$-\frac{2 (924 x + 925)}{(x - 1)^3}$$

Sequence: A031764
Score: 21.3348
Type of gen. func.: lgdogf

$$-\frac{3 (1233 + 616 x)}{(924 x + 925) (x - 1)}$$

Sequence: A031764
Score: 5.35562
Type of gen. func.: ogf

$$(304119442955 f(x) - 764951035684414) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 1848 x + 1850)$$

Sequence: A031764
Score: 5.88240
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1850, a(1) = 7398, a(2) = 16644\}$$

Sequence: A031765
Score: 11.9733
Type of gen. func.: ogf

$$- \frac{7567 x + 7571}{(x - 1)^3}$$

Sequence: A031765
Score: 18.7324
Type of gen. func.: lgdogf

$$- \frac{2 (15140 + 7567 x)}{(7567 x + 7571) (x - 1)}$$

Sequence: A031765
Score: 4.80563
Type of gen. func.: ogf

$$(110665123686349524 f(x) - 1139387311914514073165) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 7567 x + 7571)$$

Sequence: A031765
Score: 5.74330
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 7571, a(1) = 30280, a(2) = 68127\}$$

Sequence: A031766
Score: 12.2213
Type of gen. func.: ogf

$$-\frac{1935 x + 1937}{(x - 1)^3}$$

Sequence: A031766
Score: 20.2128
Type of gen. func.: lgdogf

$$-\frac{6 (1291 + 645 x)}{(1935 x + 1937) (x - 1)}$$

Sequence: A031766
Score: 5.07784
Type of gen. func.: ogf

$$(1105339792049152 f(x) - 2911059098155787099)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 1935 x + 1937)$$

Sequence: A031766
Score: 5.91028
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1937, a(1) = 7746, a(2) = 17427\}$$

Sequence: A031767
Score: 11.9733

Type of gen. func.: ogf

$$-\frac{7919 x + 7923}{(x - 1)^3}$$

Sequence: A031767
Score: 18.7324
Type of gen. func.: lgdogf

$$-\frac{2 (15844 + 7919 x)}{(7919 x + 7923) (x - 1)}$$

Sequence: A031767
Score: 4.77316
Type of gen. func.: ogf

$$(929122429864527820 f(x) - 10010914809006478666491)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 7919 x + 7923)$$

Sequence: A031767
Score: 5.74330
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 7923, a(1) = 31688, a(2) = 71295\}$$

Sequence: A031768
Score: 12.2213
Type of gen. func.: ogf

$$-\frac{2 (1012 x + 1013)}{(x - 1)^3}$$

Sequence: A031768
Score: 20.8073
Type of gen. func.: lgdogf

$$-\frac{4051 + 2024 x}{(1012 x + 1013) (x - 1)}$$

Sequence: A031768
Score: 5.15038
Type of gen. func.: ogf

$$(248068773298125 f(x) - 683352035586529186)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 2024 x + 2026)$$

Sequence: A031768
Score: 5.91028
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2026, a(1) = 8102,$$

$$a(2) = 18228\}$$

Sequence: A031769
Score: 12.0298
Type of gen. func.: ogf

$$-\frac{8279 x + 8283}{(x - 1)^3}$$

Sequence: A031769
Score: 18.8224
Type of gen. func.: lgdogf

$$-\frac{2 (16564 + 8279 x)}{(8279 x + 8283) (x - 1)}$$

Sequence: A031769
Score: 4.76349
Type of gen. func.: ogf

$$(1109895913451716300 f(x) - 12502148038463764998531)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 8279 x + 8283)$$

Sequence: A031769
Score: 5.77040
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 8283, a(1) = 33128, a(2) = 74535\}$$

Sequence: A031770
Score: 12.3366
Type of gen. func.: ogf

$$-\frac{2115 x + 2117}{(x - 1)^{3}}$$

Sequence: A031770
Score: 20.4072
Type of gen. func.: lgdogf

$$-\frac{6 (1411 + 705 x)}{(2115 x + 2117) (x - 1)}$$

Sequence: A031770
Score: 5.12575
Type of gen. func.: ogf

$$(1577356759531072 f(x) - 4540363492859448599) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x - f(x) + 2115 x + 2117)$$

Sequence: A031770
Score: 5.96604
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2117, a(1) = 8466, a(2) = 19047\}$$

Sequence: A031771
Score: 12.0298
Type of gen. func.: ogf

$$-\frac{8647 x + 8651}{(x - 1)^3}$$

Sequence: A031771
Score: 18.8224
Type of gen. func.: lgdogf

$$-\frac{2 (17300 + 8647 x)}{(8647 x + 8651) (x - 1)}$$

Sequence: A031771
Score: 4.76349
Type of gen. func.: ogf

$$(13207269446724313308 f(x) - 15538081843324901492915)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 8647 x + 8651)$$

Sequence: A031771
Score: 5.77040
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 8651, a(1) = 34600, a(2) = 77847\}$$

Sequence: A031772
Score: 12.3366
Type of gen. func.: ogf

$$-\frac{2 (1104 x + 1105)}{(x - 1)^3}$$

Sequence: A031772
Score: 20.4072

Type of gen. func.: lgdogf

$$-\frac{3\,(1473 + 736\,x)}{(1104\,x + 1105)\,(x - 1)}$$

Sequence: A031772
Score: 5.23638
Type of gen. func.: ogf

$(39030640845005\,f(x) - 117285476499901882)$

$(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x - f(x) + 2208\,x + 2210)$

Sequence: A031772
Score: 5.96604
Type of gen. func.: ogf

$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n), a(0) = 2210, a(1) = 8838,$

$a(2) = 19884\}$

Sequence: A031773
Score: 12.0298
Type of gen. func.: ogf

$$-\frac{9023\,x + 9027}{(x - 1)^3}$$

Sequence: A031773
Score: 18.8224
Type of gen. func.: lgdogf

$$-\frac{2\,(18052 + 9023\,x)}{(9023\,x + 9027)\,(x - 1)}$$

Sequence: A031773
Score: 4.8283
Type of gen. func.: ogf

$(223685942560652500\,f(x) - 2746017571375428369501)$

```
          3            2
    (f(x) x  - 3 f(x) x  + 3 f(x) x - f(x) + 9023 x + 9027)



--------------------------------------------------------------------------------

Sequence:  A031773
Score: 5.77040
Type of gen. func.: ogf


{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 9027, a(1) = 36104,

    a(2) = 81231}



--------------------------------------------------------------------------------

Sequence:  A031774
Score: 12.3942
Type of gen. func.: ogf


                                     2303 x + 2305
                                   - -------------
                                                3
                                         (x - 1)



--------------------------------------------------------------------------------

Sequence:  A031774
Score: 19.9348
Type of gen. func.: lgdogf


                                   2 (4609 + 2303 x)
                              - -----------------------
                                (2303 x + 2305) (x - 1)



--------------------------------------------------------------------------------

Sequence:  A031774
Score: 5.18622
Type of gen. func.: ogf


(950198076702720 f(x) - 2978087174275880119)

          3            2
    (f(x) x  - 3 f(x) x  + 3 f(x) x - f(x) + 2303 x + 2305)



--------------------------------------------------------------------------------

Sequence:  A031774
Score: 5.99392
Type of gen. func.: ogf


{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2305, a(1) = 9218,

    a(2) = 20739}
```

Sequence: A031775
Score: 12.0298
Type of gen. func.: ogf

$$-\frac{9407 x + 9411}{(x - 1)^3}$$

Sequence: A031775
Score: 18.8224
Type of gen. func.: lgdogf

$$-\frac{2 (18820 + 9407 x)}{(9407 x + 9411) (x - 1)}$$

Sequence: A031775
Score: 4.76349
Type of gen. func.: ogf

$$(1849780935595235788 f(x) - 23674465461511628967435) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 9407 x + 9411)$$

Sequence: A031775
Score: 5.77040
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 9411, a(1) = 37640, a(2) = 84687\}$

Sequence: A031776
Score: 12.3942
Type of gen. func.: ogf

$$-\frac{2 (1200 x + 1201)}{(x - 1)^3}$$

Sequence: A031776
Score: 20.5044
Type of gen. func.: lgdogf

$$-\frac{3\,(1601 + 800\,x)}{(1200\,x + 1201)\,(x - 1)}$$

Sequence: A031776
Score: 5.22327
Type of gen. func.: ogf

$$(163420619101607\,f(x) - 533749973179340014)$$

$$(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x - f(x) + 2400\,x + 2402)$$

Sequence: A031776
Score: 5.99392
Type of gen. func.: ogf

$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 2402,\ a(1) = 9606,$

$a(2) = 21612\}$

Sequence: A031777
Score: 12.0298
Type of gen. func.: ogf

$$-\frac{9799\,x + 9803}{(x - 1)^3}$$

Sequence: A031777
Score: 18.8224
Type of gen. func.: lgdogf

$$-\frac{2\,(19604 + 9799\,x)}{(9799\,x + 9803)\,(x - 1)}$$

Sequence: A031777
Score: 4.76349
Type of gen. func.: ogf

$$(2177843183967046860 f(x) - 29034374425607328853811)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 9799 x + 9803)$$

Sequence: A031777
Score: 5.77040
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 9803, a(1) = 39208,$$
$$a(2) = 88215\}$$

Sequence: A031778
Score: 12.5095
Type of gen. func.: ogf

$$-\frac{2499 x + 2501}{(x - 1)^3}$$

Sequence: A031778
Score: 20.6987
Type of gen. func.: lgdogf

$$-\frac{6 (1667 + 833 x)}{(2499 x + 2501) (x - 1)}$$

Sequence: A031778
Score: 5.23447
Type of gen. func.: ogf

$$(439053575000000 f(x) - 1493119495547024881)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 2499 x + 2501)$$

Sequence: A031778
Score: 6.00049
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2501, a(1) = 10002,$$

a(2) = 22503}

Sequence: A031876
Score: 6.90121
Type of gen. func.: lgdogf

$$(24 x^{26} - 26 x^{25} + 5 x^{7} - 7 x^{6} - 2) / ((x - 1) (x^{2} + x + 1) (x^{24} - x^{23} + x^{21} - x^{20} + x^{18} - x^{17} + x^{15} - x^{14} + x^{12} - x^{11} + x^{9} - x^{8} + x^{6} - x^{4} + x^{3} - x + 1))$$

Sequence: A031878
Score: 16.2863
Type of gen. func.: lgdogf

$$- \frac{2 x^{4} + x^{3} + 11 x^{2} + 7 x + 3}{(x - 1) (x + 1) (x^{3} + 2 x + 1)}$$

Sequence: A031878
Score: 9.99925
Type of gen. func.: ogf

$$- \frac{x (x^{3} + 2 x + 1)}{(x + 1)^{2} (x - 1)^{3}}$$

Sequence: A031940
Score: 5.75148
Type of gen. func.: ogf

$$- \frac{x^{4} - x^{3} + x^{2} + 2 x + 1}{(x + 1)^{2} (x - 1)^{3}}$$

Sequence: A031940

Score: 8.52676
Type of gen. func.: lgdogf

$$-\frac{x^5 - x^4 + 6 x^3 + 6 x^2 + 9 x + 3}{(x - 1) (x + 1) (x^4 - x^3 + x^2 + 2 x + 1)}$$

Sequence: A031954
Score: 6.44501
Type of gen. func.: ogf

$$-\frac{8 x^9 - x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - 2 x - 9}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A031982
Score: 11.2372
Type of gen. func.: lgdogf

$$-\frac{-10001 + 20000 x}{(10000 x - 1) (x - 1)}$$

Sequence: A031982
Score: 3.82945
Type of gen. func.: ogf

$$(100000001 f(x) + 2020000) (10000 f(x) x^2 - 10001 f(x) x + f(x) - 101)$$

Sequence: A031997
Score: 4.93527
Type of gen. func.: ogf

$$\frac{5849160 x^8 - 5534076 x^7 - 315084 x^6 - 10 x^2 + 1}{(10 x - 1) (x - 1)}$$

Sequence: A032031
Score: 16.8048
Type of gen. func.: egf]

$$-3 f(x) x + f(x) - 1$$

Sequence: A032031
Score: 32.8095
Type of gen. func.: egf]

$$-\frac{1}{3 x - 1}$$

Sequence: A032031
Score: 39.8365
Type of gen. func.: revegf]

$$1/3 - 1/3 \exp(-3 x)$$

Sequence: A032031
Score: 61.5656
Type of gen. func.: lgdegf]

$$-\frac{3}{3 x - 1}$$

Sequence: A032031
Score: 7.82953
Type of gen. func.: ogf

$$\{(-3 n - 6) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A032037
Score: 13.8630
Type of gen. func.: lgdegf]

$$-\frac{x - 3 + (x^2 - 6 x + 1)^{1/2}}{x^2 - 6 x + 1}$$

Sequence: A032037
Score: 29.3568
Type of gen. func.: revegf]

$$\frac{x(-1+2x)}{x-1}$$

Sequence: A032037
Score: 6.25371
Type of gen. func.: egf]

$$-2 f(x)^2 x^2 + 12 f(x)^2 x + f(x) x^2 - 2 f(x)^2 - 6 f(x) x + f(x) + 1$$

Sequence: A032069
Score: 4.21350
Type of gen. func.: egf]

$$\frac{2 (16 x^6 - 16 x^5 - 14 x^4 + 16 x^3 - x^2 - 3 x + 1)}{(-1 + 2 x)^2 (2 x^2 - 1)^2}$$

Sequence: A032070
Score: 4.02252
Type of gen. func.: egf]

$$\frac{3 (3 x^2 + x - 1) (27 x^4 - 27 x^3 + 3 x - 1)}{(3 x - 1)^2 (3 x^2 - 1)^2}$$

Sequence: A032071
Score: 3.45580
Type of gen. func.: egf]

$$\frac{4 (256 x^6 - 128 x^5 - 136 x^4 + 64 x^3 + 2 x^2 - 5 x + 1)}{(2 x + 1)^2 (-1 + 2 x)^2 (4 x - 1)^2}$$

Sequence: A032072

Score: 3.45277
Type of gen. func.: egf]

$$\frac{5 (625 x^6 - 250 x^5 - 275 x^4 + 100 x^3 + 5 x^2 - 6 x + 1)}{(5 x - 1)^2 (5 x^2 - 1)^2}$$

Sequence: A032085
Score: 10.8220
Type of gen. func.: lgdogf

$$- \frac{8 x^3 - 2 x^2 - 1}{(-1 + 2 x) (2 x^2 - 1) (8 x^3 - 4 x^2 - 3 x + 2)}$$

Sequence: A032085
Score: 4.61223
Type of gen. func.: ogf

{a(n + 4) - 2 a(n + 3) - 2 a(n + 2) + 4 a(n + 1), a(0) = 2, a(1) = 1, a(2) = 2,

a(3) = 6}

Sequence: A032085
Score: 4.94971
Type of gen. func.: ogf

$$-(3 f(x) - 4) (4 f(x) x^3 - 2 f(x) x^2 - 8 x^3 - 2 f(x) x + 4 x^2 + f(x) + 3 x - 2)$$

Sequence: A032085
Score: 8.82341
Type of gen. func.: ogf

$$\frac{8 x^3 - 4 x^2 - 3 x + 2}{(-1 + 2 x) (2 x^2 - 1)}$$

Sequence: A032086
Score: 10.5188

Type of gen. func.: lgdogf

$$-\frac{18 x^3 - 3 x^2 - 1}{(3 x - 1) (3 x^2 - 1) (9 x^3 - 3 x^2 - 2 x + 1)}$$

Sequence: A032086
Score: 4.52580
Type of gen. func.: ogf

$\{a(n + 4) - 3 a(n + 3) - 3 a(n + 2) + 9 a(n + 1), a(0) = 3, a(1) = 3, a(2) = 9,$

$a(3) = 36\}$

Sequence: A032086
Score: 5.01608
Type of gen. func.: ogf

$$(2 f(x) - 3) (9 f(x) x^3 - 3 f(x) x^2 - 27 x^3 - 3 f(x) x + 9 x^2 + f(x) + 6 x - 3)$$

Sequence: A032086
Score: 8.59901
Type of gen. func.: ogf

$$\frac{3 (9 x^3 - 3 x^2 - 2 x + 1)}{(3 x - 1) (3 x^2 - 1)}$$

Sequence: A032087
Score: 10.0535
Type of gen. func.: ogf

$$\frac{2 (32 x^3 - 8 x^2 - 5 x + 2)}{(2 x + 1) (-1 + 2 x) (4 x - 1)}$$

Sequence: A032087
Score: 5.39636
Type of gen. func.: ogf

$$\{a(n+4) - 4\,a(n+3) - 4\,a(n+2) + 16\,a(n+1),\ a(0) = 4,\ a(1) = 6,$$
$$a(2) = 24,\ a(3) = 120\}$$

Sequence: A032087
Score: 5.77877
Type of gen. func.: ogf

$$-(5\,f(x) - 8)$$
$$(16\,f(x)\,x^3 - 4\,f(x)\,x^2 - 64\,x^3 - 4\,f(x)\,x + 16\,x^2 + f(x) + 10\,x - 4)$$

Sequence: A032088
Score: 3.78293
Type of gen. func.: ogf

$$\{a(n+4) - 5\,a(n+3) - 5\,a(n+2) + 25\,a(n+1),\ a(0) = 5,\ a(1) = 10,$$
$$a(2) = 50,\ a(3) = 300\}$$

Sequence: A032088
Score: 4.17953
Type of gen. func.: ogf

$$(3\,f(x) - 5)$$
$$(25\,f(x)\,x^3 - 5\,f(x)\,x^2 - 125\,x^3 - 5\,f(x)\,x + 25\,x^2 + f(x) + 15\,x - 5)$$

Sequence: A032088
Score: 7.00353
Type of gen. func.: ogf

$$\frac{5\,(25\,x^3 - 5\,x^2 - 3\,x + 1)}{(5\,x - 1)\,(5\,x^2 - 1)}$$

Sequence: A032088
Score: 8.58099
Type of gen. func.: lgdogf

3   2

$$-\frac{2\,(50\,x - 5\,x - 1)}{(5\,x - 1)\,(5\,x^{2} - 1)\,(25\,x^{3} - 5\,x^{2} - 3\,x + 1)}$$

Sequence: A032089
Score: 5.69889
Type of gen. func.: lgdogf

$$-x\,(2\,x^{12} + x^{11} + 10\,x^{9} - 17\,x^{7} - 2\,x^{6} + 3\,x^{5} + 8\,x^{4} + 4\,x^{3} - 8\,x^{2} - x + 2) \Big/ \left((x - 1)\,(x + 1)\,(x^{2} + x - 1)\,(x^{4} + x^{2} - 1)\,(x^{6} + 2\,x^{3} - 2\,x^{2} - x + 1)\right)$$

Sequence: A032089
Score: 6.37413
Type of gen. func.: ogf

$$-\frac{x^{6} + 2\,x^{3} - 2\,x^{2} - x + 1}{(x - 1)\,(x + 1)\,(x^{2} + x - 1)\,(x^{4} + x^{2} - 1)}$$

Sequence: A032090
Score: 5.56160
Type of gen. func.: ogf

$$-\frac{x\,(x^{6} + x^{5} - x^{4} + 2\,x^{3} - 2\,x^{2} - x + 1)}{(x - 1)\,(x^{2} + x - 1)\,(x^{4} + x^{2} - 1)}$$

Sequence: A032090
Score: 5.61052
Type of gen. func.: lgdogf

$$-\frac{x^{12} + 2\,x^{11} - 2\,x^{10} + 6\,x^{9} - x^{8} - 8\,x^{7} - x^{6} + 7\,x^{4} - 2\,x^{3} - 2\,x + 1}{(x - 1)\,(x^{2} + x - 1)\,(x^{4} + x^{2} - 1)\,(x^{6} + x^{5} - x^{4} + 2\,x^{3} - 2\,x^{2} - x + 1)}$$

Sequence: A032091
Score: 11.2836
Type of gen. func.: ogf

$$-\frac{2}{(x+1)^2 (x-1)^5}$$

Sequence: A032091
Score: 38.9786
Type of gen. func.: ogf_with_Euler_transform]

[3 + 2 x]

Sequence: A032091
Score: 6.10150
Type of gen. func.: ogf

{(n + 3) a(n + 3) - 3 a(n + 2) + (-8 - n) a(n + 1), a(0) = 2, a(1) = 6,

a(2) = 16}

Sequence: A032092
Score: 15.6536
Type of gen. func.: lgdogf

$$-\frac{7x^3 + 3x^2 + 29x + 9}{(x-1)(x+1)(x^2+3)}$$

Sequence: A032092
Score: 9.09716
Type of gen. func.: ogf

$$\frac{x^2 + 3}{(x+1)^3 (x-1)^6}$$

Sequence: A032093
Score: 15.8558

Type of gen. func.: lgdogf

$$-\frac{4\,(2\,x^{3}+x^{2}+8\,x+3)}{(x-1)\,(x+1)\,(x^{2}+3)}$$

Sequence: A032093
Score: 6.00086
Type of gen. func.: ogf

$$-\frac{x^{2}+3}{(x+1)^{3}\,(x-1)^{7}}$$

Sequence: A032094
Score: 15.1734
Type of gen. func.: lgdogf

$$-\frac{2\,(5\,x^{3}+2\,x^{2}+7\,x+2)}{(x-1)\,(x+1)\,(x^{2}+1)}$$

Sequence: A032094
Score: 26.4047
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^{3}+5\,x+4]$$

Sequence: A032094
Score: 5.63703
Type of gen. func.: ogf

$$\frac{4\,(x^{2}+1)}{(x+1)^{4}\,(x-1)^{8}}$$

Sequence: A032096

Score: 4.59126
Type of gen. func.: ogf

$$-(329 f(x) - 102)$$

$$(9 f(x) x^4 - 12 f(x) x^3 + 15 x^3 + 4 f(x) x - 4 x^2 - f(x) - 5 x + 2)$$

Sequence: A032096
Score: 6.43776
Type of gen. func.: lgdogf

$$-\frac{135 x^6 - 72 x^5 - 87 x^4 + 72 x^3 - 11 x^2 - 8 x + 3}{(x - 1) (3 x - 1) (3 x^2 - 1) (15 x^3 - 4 x^2 - 5 x + 2)}$$

Sequence: A032096
Score: 8.34189
Type of gen. func.: ogf

$$-\frac{15 x^3 - 4 x^2 - 5 x + 2}{(3 x - 1) (x - 1) (3 x^2 - 1)}$$

Sequence: A032097
Score: 6.93075
Type of gen. func.: lgdogf

$$\frac{x^8 - 4 x^7 + x^6 + 10 x^5 - x^4 - 18 x^3 + 20 x^2 - 10 x + 2}{(x - 1) (x^2 - 3 x + 1) (x^2 + x - 1) (x^5 - 4 x^4 + x^3 + 9 x^2 - 8 x + 2)}$$

Sequence: A032097
Score: 7.20136
Type of gen. func.: ogf

$$\frac{x^5 - 4 x^4 + x^3 + 9 x^2 - 8 x + 2}{(x - 1) (x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A032098
Score: 4.61081
Type of gen. func.: ogf

$$-(50 f(x) - 51) (8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x + 21 x^2 - f(x) - 15 x + 3)$$

Sequence: A032098
Score: 4.85347
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 8 a(n), a(0) = 3, a(1) = 6, a(2) = 21\}$$

Sequence: A032098
Score: 8.19594
Type of gen. func.: lgdogf

$$-\frac{56 x^4 - 80 x^3 + 45 x^2 - 14 x + 2}{(x - 1) (-1 + 2 x) (4 x - 1) (7 x^2 - 5 x + 1)}$$

Sequence: A032098
Score: 8.64525
Type of gen. func.: ogf

$$-\frac{3 (7 x^2 - 5 x + 1)}{(-1 + 2 x) (4 x - 1) (x - 1)}$$

Sequence: A032099
Score: 5.08108
Type of gen. func.: ogf

$$\frac{x^6 - 3 x^5 + 5 x^3 - 3 x + 1}{(x^2 - 3 x + 1) (x^2 + x - 1) (x^2 - x - 1) (x - 1)^2}$$

Sequence: A032100
Score: 5.61440

Type of gen. func.: ogf

$$\frac{3 x^{6} - 4 x^{5} + 11 x^{4} + 2 x^{3} - 3 x^{2} - 2 x + 1}{(3 x - 1) (3 x^{2} - 1) (x - 1)^{2}}$$

Sequence: A032107
Score: 17.8387
Type of gen. func.: revegf]

$$1/2 + x/2 - \frac{(x^{2} + 1)^{1/2}}{2}$$

Sequence: A032107
Score: 20.0686
Type of gen. func.: lgdegf]

$$- \frac{2}{(-1 + 2 x) (2 x^{2} - 2 x + 1)}$$

Sequence: A032107
Score: 3.42347
Type of gen. func.: ogf

$$\{(-4 n^{2} - 8 n) a(n) + (2 n^{2} + 12 n + 12) a(n + 1) + (-n - 2) a(n + 2), a(0) = 2, a(1) = 4\}$$

Sequence: A032107
Score: 5.79975
Type of gen. func.: egf]

$$f(x) (4 f(x) x^{2} - 4 f(x) x - 4 x^{2} + f(x) + 4 x - 2)$$

Sequence: A032107
Score: 9.30149
Type of gen. func.: egf]

$$\frac{2\,(2\,x^{2} - 2\,x + 1)}{(-1 + 2\,x)^{2}}$$

Sequence: A032108
Score: 17.7651
Type of gen. func.: revegf]

$$1/3 + x/3 - \frac{(x^{2} + 1)^{1/2}}{3}$$

Sequence: A032108
Score: 19.9858
Type of gen. func.: lgdegf]

$$- \frac{6}{(3\,x - 1)\,(9\,x^{2} - 6\,x + 2)}$$

Sequence: A032108
Score: 3.38447
Type of gen. func.: ogf

$$\{(-9\,n^{2} - 18\,n)\,a(n) + (3\,n^{2} + 18\,n + 18)\,a(n + 1) + (-n - 2)\,a(n + 2),$$
$$a(0) = 3,\ a(1) = 9\}$$

Sequence: A032108
Score: 5.51402
Type of gen. func.: egf]

$$f(x)\,(18\,f(x)\,x^{2} - 12\,f(x)\,x - 27\,x^{2} + 2\,f(x) + 18\,x - 6)$$

Sequence: A032108
Score: 8.60961
Type of gen. func.: egf]

2

$$\frac{3 (9 x - 6 x + 2)}{2 (3 x - 1)^{2}}$$

Sequence: A032119
Score: 14.0086
Type of gen. func.: lgdegf]

$$- \frac{x - 2 + (x^{2} - 4 x + 1)^{1/2}}{x^{2} - 4 x + 1}$$

Sequence: A032119
Score: 24.0148
Type of gen. func.: revegf]

$$\frac{x (-2 + 3 x)}{2 (x - 1)}$$

Sequence: A032119
Score: 7.10806
Type of gen. func.: egf]

$$3 f(x)^{2} x^{2} - 12 f(x)^{2} x - 2 f(x) x^{2} + 3 f(x)^{2} + 8 f(x) x - 2 f(x) - 1$$

Sequence: A032120
Score: 10.7686
Type of gen. func.: lgdogf

$$- \frac{27 x^{4} + 18 x^{3} - 21 x^{2} + 2}{(3 x - 1) (3 x^{2} - 1) (3 x^{2} + x - 1)}$$

Sequence: A032120
Score: 5.35530
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) - 3 a(n + 1) + 9 a(n), a(0) = 3, a(1) = 6, a(2) = 18\}$

Sequence: A032120
Score: 5.78541
Type of gen. func.: ogf

$$(f(x) + 7) (9 f(x) x^3 - 3 f(x) x^2 - 3 f(x) x + 6 x^2 + f(x) - 1)$$

Sequence: A032120
Score: 9.92048
Type of gen. func.: ogf

$$-\frac{3 (3 x^2 + x - 1)}{(3 x - 1) (3 x^2 - 1)}$$

Sequence: A032121
Score: 11.7004
Type of gen. func.: ogf

$$-\frac{2 (8 x^2 + 3 x - 2)}{(2 x + 1) (-1 + 2 x) (4 x - 1)}$$

Sequence: A032121
Score: 6.40977
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) - 4 a(n + 1) + 16 a(n), a(0) = 4, a(1) = 10, a(2) = 40\}$$

Sequence: A032121
Score: 6.78036
Type of gen. func.: ogf

$$(18 f(x) + 67) (16 f(x) x^3 - 4 f(x) x^2 - 4 f(x) x + 10 x^2 + f(x) - 1)$$

Sequence: A032121
Score: 8.59695
Type of gen. func.: lgdogf

$$-\frac{128 x^4 + 96 x^3 - 76 x^2 + 5}{(2 x + 1) (-1 + 2 x) (4 x - 1) (8 x^2 + 3 x - 2)}$$

Sequence: A032122
Score: 4.50662
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) - 5 a(n + 1) + 25 a(n), a(0) = 5, a(1) = 15, a(2) = 75\}$$

Sequence: A032122
Score: 4.88799
Type of gen. func.: ogf

$$(f(x) + 2) (25 f(x) x^3 - 5 f(x) x^2 - 5 f(x) x + 15 x^2 + f(x) - 1)$$

Sequence: A032122
Score: 8.03616
Type of gen. func.: lgdogf

$$-\frac{(5 x + 1) (25 x^3 + 15 x^2 - 15 x + 3)}{(5 x - 1) (5 x^2 - 1) (5 x^2 + 2 x - 1)}$$

Sequence: A032122
Score: 8.09783
Type of gen. func.: ogf

$$-\frac{5 (5 x^2 + 2 x - 1)}{(5 x - 1) (5 x^2 - 1)}$$

Sequence: A032124
Score: 12.3455
Type of gen. func.: ogf

2

$$-\frac{9 x + x - 2}{(3 x - 1) (3 x^{2} - 1)}$$

Sequence: A032124
Score: 12.5381
Type of gen. func.: lgdogf

$$-\frac{81 x^{4} + 18 x^{3} - 30 x^{2} - 6 x + 5}{(3 x - 1) (3 x^{2} - 1) (9 x^{2} + x - 2)}$$

Sequence: A032124
Score: 6.66440
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 3 a(n + 1) + 9 a(n), a(0) = 2, a(1) = 5, a(2) = 12\}$$

Sequence: A032124
Score: 6.66441
Type of gen. func.: ogf

$$(38 f(x) - 97) (9 f(x) x^{3} - 3 f(x) x^{2} - 3 f(x) x + 9 x^{2} + f(x) + x - 2)$$

Sequence: A032125
Score: 14.9015
Type of gen. func.: ogf

$$-\frac{3 (3 x - 1)}{(4 x - 1) (-1 + 2 x)}$$

Sequence: A032125
Score: 16.4464
Type of gen. func.: lgdogf

$$-\frac{24 x^{2} - 16 x + 3}{(3 x - 1) (-1 + 2 x) (4 x - 1)}$$

Sequence: A032125
Score: 7.2888
Type of gen. func.: ogf

$$-(28 f(x) + 159) (8 f(x) x^2 - 6 f(x) x + f(x) + 9 x - 3)$$

Sequence: A032125
Score: 8.17767
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 8 a(n), a(0) = 3, a(1) = 9\}$$

Sequence: A032125
Score: 9.53415
Type of gen. func.: revegf]

$$1/4 \ln(8 x + 9) - 1/2 \operatorname{arctanh}\left(\frac{2 (6 x + 9)^{1/2}}{3}\right) - 1/2 \ln(3) + 1/2 \operatorname{arctanh}(2)$$

Sequence: A032126
Score: 5.47291
Type of gen. func.: lgdogf

$$-\frac{2 x^9 - 3 x^8 - 20 x^7 + 36 x^6 + 30 x^5 - 51 x^4 - 12 x^3 + 12 x^2 + 6 x - 3}{(x^2 - 3 x + 1) (x^2 + x - 1) (x^2 - x - 1) (x^4 - 5 x^2 + 1)}$$

Sequence: A032126
Score: 6.85090
Type of gen. func.: ogf

$$\frac{x^4 - 5 x^2 + 1}{(x^2 - 3 x + 1) (x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A032127

Score: 10.0156
Type of gen. func.: lgdogf

$$\frac{27 x^6 - 18 x^5 - 96 x^4 + 21 x^2 + 6 x - 4}{(3 x - 1) (3 x^2 - 1) (3 x^4 + 5 x^3 + 6 x^2 - x - 1)}$$

Sequence: A032127
Score: 10.3206
Type of gen. func.: ogf

$$-\frac{3 x^4 + 5 x^3 + 6 x^2 - x - 1}{(3 x - 1) (3 x^2 - 1)}$$

Sequence: A032127
Score: 5.44303
Type of gen. func.: ogf

$\{a(n + 5) - 3 a(n + 4) - 3 a(n + 3) + 9 a(n + 2), a(0) = 1, a(1) = 4, a(2) = 9,$

$a(3) = 25, a(4) = 63\}$

Sequence: A032127
Score: 5.6763
Type of gen. func.: ogf

$-(288477 f(x) + 80413)$

$(9 f(x) x^3 + 3 x^4 - 3 f(x) x^2 + 5 x^3 - 3 f(x) x + 6 x^2 + f(x) - x - 1)$

Sequence: A032179
Score: 17.3076
Type of gen. func.: egf]

$$-3 f(x) x + f(x) - 3$$

Sequence: A032179
Score: 28.3844
Type of gen. func.: egf]

$$-\frac{3}{3x-1}$$

Sequence: A032179
Score: 46.5222
Type of gen. func.: revegf]

$$1/3 - 1/3 \exp(-x)$$

Sequence: A032179
Score: 63.4393
Type of gen. func.: lgdegf]

$$-\frac{3}{3x-1}$$

Sequence: A032179
Score: 8.06375
Type of gen. func.: ogf

$$\{(-3 n - 6) a(n + 1) + a(n + 2), a(0) = 3, a(1) = 9\}$$

Sequence: A032180
Score: 6.42646
Type of gen. func.: lgdogf

$$-\frac{4320 x^5 - 8820 x^4 + 6496 x^3 - 2205 x^2 + 350 x - 21}{(x - 1) (6 x - 1) (4 x - 1) (3 x - 1) (-1 + 2 x) (5 x - 1)}$$

Sequence: A032180
Score: 7.69561
Type of gen. func.: ogf

$$\frac{120}{(x - 1) (6 x - 1) (4 x - 1) (3 x - 1) (-1 + 2 x) (5 x - 1)}$$

Sequence: A032184
Score: 15.5112
Type of gen. func.: egf]

$$-2 f(x) x + f(x) - 2 x - 1$$

Sequence: A032184
Score: 18.8650
Type of gen. func.: egf]

$$-\frac{2 x + 1}{-1 + 2 x}$$

Sequence: A032184
Score: 29.0643
Type of gen. func.: lgdegf]

$$-\frac{4}{(-1 + 2 x) (2 x + 1)}$$

Sequence: A032184
Score: 4.91553
Type of gen. func.: ogf

$$\{(4 n^2 + 4 n) a(n) + (2 n^2 + 6 n + 8) a(n + 1) + (-n - 2) a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A032192
Score: 3.59358
Type of gen. func.: ogf

$$-\frac{x^6 - 5 x^5 + 13 x^4 - 17 x^3 + 13 x^2 - 5 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^7}$$

Sequence: A032246
Score: 10.9255
Type of gen. func.: lgdogf

$$-\frac{11 x^5 + 13 x^4 + 8 x^3 + 8 x^2 + 8 x + 2}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A032246
Score: 24.8425
Type of gen. func.: ogf_with_Euler_transform]

$$[x^4 + 2 x + 2]$$

Sequence: A032246
Score: 6.77671
Type of gen. func.: ogf

$$-\frac{2}{(x^4 + x^3 + x^2 + x + 1) (x + 1)^2 (x - 1)^5}$$

Sequence: A032247
Score: 3.94938
Type of gen. func.: ogf

$$\frac{x^8 - 2 x^7 + 2 x^6 + 4 x^4 + 4 x^2 + 3}{(x^2 + 1) (x^2 - x + 1) (x^2 + x + 1)^2 (x + 1)^3 (x - 1)^6}$$

Sequence: A032248
Score: 3.81356
Type of gen. func.: ogf

$$-\frac{x^6 - 2 x^5 + x^4 + 4 x^3 - 2 x^2 - 2 x + 4}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x + 1)^3 (x - 1)^7}$$

Sequence: A032249
Score: 6.60315
Type of gen. func.: lgdogf

$$-\frac{2\,(6\,x^7-11\,x^6+42\,x^5-39\,x^4+50\,x^3-5\,x^2+14\,x+7)}{(x-1)\,(x+1)\,(x^2+1)\,(x^4-2\,x^3+6\,x^2-6\,x+5)}$$

Sequence: A032261
Score: 12.6820
Type of gen. func.: egf]

$$\frac{3\,(9\,x^2-2)}{2\,(3\,x-1)}$$

Sequence: A032261
Score: 15.7973
Type of gen. func.: lgdegf]

$$\frac{3\,(9\,x^2-6\,x+2)}{(3\,x-1)\,(9\,x^2-2)}$$

Sequence: A032263
Score: 12.8609
Type of gen. func.: ogf

$$\frac{3\,x^3}{(x-1)\,(3\,x-1)\,(-1+2\,x)\,(4\,x-1)}$$

Sequence: A032263
Score: 7.1172
Type of gen. func.: ogf

$$-24\,f(x)\,x^4+50\,f(x)\,x^3-35\,f(x)\,x^2+3\,x^3+10\,f(x)\,x-f(x)$$

Sequence: A032279
Score: 4.99740
Type of gen. func.: ogf

6   5   3

$$-\frac{x - x + 2 x - x + 1}{(x^4 + x^3 + x^2 + x + 1)(x + 1)^2 (x - 1)^5}$$

Sequence: A032279
Score: 5.97934
Type of gen. func.: lgdogf

$$-(5 x^{11} + x^{10} + 16 x^8 + 20 x^7 + 6 x^6 + 14 x^5 + 16 x^4 + 10 x^3 + 6 x^2 + 5 x + 1) \Big/ ((x - 1)(x + 1)(x^4 + x^3 + x^2 + x + 1)(x^6 - x^5 + 2 x^3 - x + 1))$$

Sequence: A032280
Score: 3.85299
Type of gen. func.: ogf

$$-\frac{4 x^6 - 2 x^5 - 2 x^4 + 4 x^3 + x^2 - 2 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x + 1)^3 (x - 1)^7}$$

Sequence: A032343
Score: 13.6450
Type of gen. func.: lgdogf

$$-\frac{2 (15 x^2 + 19 x - 7)}{(x - 1)(10 x - 1)(x + 1)}$$

Sequence: A032343
Score: 4.05912
Type of gen. func.: ogf

$(1910024 f(x) + 252305)$

$$(10 f(x) x^4 - 31 f(x) x^3 + 33 f(x) x^2 - 13 f(x) x - x^2 + f(x) - x)$$

Sequence: A032343
Score: 8.23590
Type of gen. func.: ogf

$$\frac{x (x + 1)}{(10 x - 1) (x - 1)^3}$$

Sequence: A032349
Score: 32.7866
Type of gen. func.: revogf

$$\frac{x (x - 1)^2}{(x + 1)^2}$$

Sequence: A032349
Score: 6.33834
Type of gen. func.: ogf

$$-x^2 f(x)^3 + f(x)^2 x^2 + 2 f(x)^2 x + 2 f(x) x - f(x) + 1$$

Sequence: A032351
Score: 7.06963
Type of gen. func.: ogf

$$-4 f(x)^2 x^3 + 8 f(x)^2 x^2 - 6 f(x)^2 x - 6 f(x) x^2 + f(x)^2 + 10 f(x) x - x^2 - 2 f(x) - 4 x + 1$$

Sequence: A032357
Score: 16.8088
Type of gen. func.: revogf

$$\frac{-1 + x - 2 x^2 + (5 x^2 - 2 x + 1)^{1/2}}{2 x^2}$$

Sequence: A032357
Score: 4.54826
Type of gen. func.: ogf

{(4 n + 10) a(n + 1) + (3 n + 6) a(n + 2) + (-n - 4) a(n + 3), a(0) = 1,

a(1) = 0, a(2) = 2}

Sequence: A032357
Score: 7.18146
Type of gen. func.: ogf

$$f(x)^2 x^3 + 2 f(x)^2 x^2 + f(x)^2 x - f(x) x - f(x) + 1$$

Sequence: A032438
Score: 18.0879
Type of gen. func.: lgdogf

$$- \frac{3 x^3 + 9 x^2 + 19 x + 5}{(x - 1) (x + 1) (x^2 + 2 x + 3)}$$

Sequence: A032438
Score: 9.66892
Type of gen. func.: ogf

$$- \frac{x^2 (x^2 + 2 x + 3)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A032440
Score: 5.04291
Type of gen. func.: ogf

$$- \frac{2 x^6 + 6 x^5 - 12 x^4 - 10 x^3 + 8 x^2 + 3 x - 1}{(x - 1) (x^2 + x - 1) (x^2 + 4 x - 1) (x^2 - x - 1)}$$

Sequence: A032441
Score: 5.47215
Type of gen. func.: ogf

$$-\frac{2x^5 - 3x^4 - 6x^3 + 4x^2 + 2x - 1}{(x - 1)(x + 1)(x^2 - 3x + 1)(x^2 + x - 1)}$$

Sequence: A032443
Score: 4.88715
Type of gen. func.: ogf

$$\{(-16n - 24)a(n + 1) + (8n + 18)a(n + 2) + (-n - 3)a(n + 3), a(0) = 1, a(1) = 3, a(2) = 11\}$$

Sequence: A032443
Score: 8.18066
Type of gen. func.: ogf

$$16 f(x)^2 x^2 - 8 f(x)^2 x + f(x)^2 + 4 f(x) x - f(x) + x$$

Sequence: A032509
Score: 4.94701
Type of gen. func.: ogf

$$-\frac{x(x^{14} - x^{13} + x^{11} - x^{10} - x^9 - x^7 - x^6 - x^4 - x^3 - x - 1)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A032512
Score: 17.3844
Type of gen. func.: ogf

$$x(x + 1)(x^4 - x^3 + x^2 - x + 1)(x^2 - x + 1)(x^8 + x^7 - x^5 - x^4 - x^3 + x + 1) \Big/ (x - 1)^2$$

Sequence: A032512
Score: 9.96001
Type of gen. func.: lgdogf

$$(13 x^{15} - 15 x^{14} - 2) / ((x - 1) (x + 1) (x^{2} - x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x^{8} + x^{7} - x^{5} - x^{4} - x^{3} + x + 1))$$

Sequence: A032517
Score: 10.0437
Type of gen. func.: lgdogf

$$2 (10 x^{22} - 11 x^{21} - 1) / ((x - 1) (x^{2} + 1) (x^{20} - x^{18} + x^{16} - x^{14} + x^{12} - x^{10} + x^{8} - x^{6} + x^{4} - x^{2} + 1))$$

Sequence: A032517
Score: 17.5292
Type of gen. func.: ogf

$$\frac{x (x^{2} + 1) (x^{20} - x^{18} + x^{16} - x^{14} + x^{12} - x^{10} + x^{8} - x^{6} + x^{4} - x^{2} + 1)}{(x - 1)^{2}}$$

Sequence: A032518
Score: 10.0357
Type of gen. func.: ogf

$$x (x^{28} - x^{10} - 1) / ((x + 1) (x^{2} + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x^{6} - x^{5} + x^{4} - x^{3} + x^{2} - x + 1) (x^{12} - x^{10} + x^{8} - x^{6} + x^{4} - x^{2} + 1) (x - 1)^{3})$$

Sequence: A032518
Score: 6.64452
Type of gen. func.: lgdogf

$$2 (3920 x^{30} - 4900 x^{29} + 6859 x^{28} - 6300 x^{20} + 6650 x^{19} + 8550 x^{10} - 9025 x^{9} - 1805) / ((x - 1) (980 x^{30} - 6859 x^{28} - 350 x^{20} + 475 x^{10} + 1805))$$

/

Sequence: A032520
Score: 15.2279
Type of gen. func.: lgdogf

$$\frac{2\,(9\,x^{20}-10\,x^{19}-1)}{(x-1)\,(x^{4}+1)\,(x^{16}-x^{12}+x^{8}-x^{4}+1)}$$

Sequence: A032520
Score: 17.6139
Type of gen. func.: ogf

$$\frac{x\,(x^{4}+1)\,(x^{16}-x^{12}+x^{8}-x^{4}+1)}{(x-1)^{2}}$$

Sequence: A032521
Score: 11.7163
Type of gen. func.: lgdogf

$$\frac{23\,x^{25}-25\,x^{24}-2}{(x-1)\,(x+1)\,(x^{4}-x^{3}+x^{2}-x+1)\,(x^{20}-x^{15}+x^{10}-x^{5}+1)}$$

Sequence: A032521
Score: 17.3599
Type of gen. func.: ogf

$$\frac{x\,(x+1)\,(x^{4}-x^{3}+x^{2}-x+1)\,(x^{20}-x^{15}+x^{10}-x^{5}+1)}{(x-1)^{2}}$$

Sequence: A032525
Score: 12.9238
Type of gen. func.: ogf

$$-\frac{x\,(3x^2+8x+3)}{(x+1)(x-1)^3}$$

Sequence: A032525
Score: 16.5687
Type of gen. func.: lgdogf

$$-\frac{2\,(3x^3+15x^2+17x+7)}{(x-1)(x+1)(3x^2+8x+3)}$$

Sequence: A032525
Score: 6.88566
Type of gen. func.: ogf

$$-(6 f(x) + 1013)\,(f(x)\,x^4 - 2 f(x)\,x^3 + 3x^3 + 2 f(x)\,x + 8x^2 - f(x) + 3x)$$

Sequence: A032526
Score: 11.9571
Type of gen. func.: ogf

$$-\frac{2x\,(x^2+3x+1)}{(x+1)(x-1)^3}$$

Sequence: A032526
Score: 16.6463
Type of gen. func.: lgdogf

$$-\frac{2x^3+11x^2+12x+5}{(x-1)(x+1)(x^2+3x+1)}$$

Sequence: A032526
Score: 6.70012
Type of gen. func.: ogf

$$(f(x) - 10) (f(x) x^4 - 2 f(x) x^3 + 2 x^3 + 2 f(x) x + 6 x^2 - f(x) + 2 x)$$

Sequence: A032527
Score: 12.6990
Type of gen. func.: ogf

$$-\frac{x (x^2 + 3 x + 1)}{(x + 1) (x - 1)^3}$$

Sequence: A032527
Score: 13.6506
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 11 x^2 + 12 x + 5}{(x - 1) (x + 1) (x^2 + 3 x + 1)}$$

Sequence: A032527
Score: 7.17771
Type of gen. func.: ogf

$$(f(x) - 5) (f(x) x^4 - 2 f(x) x^3 + x^3 + 2 f(x) x + 3 x^2 - f(x) + x)$$

Sequence: A032528
Score: 13.2472
Type of gen. func.: ogf

$$-\frac{x (x^2 + 4 x + 1)}{(x + 1) (x - 1)^3}$$

Sequence: A032528
Score: 19.3017
Type of gen. func.: lgdogf

3   2

$$-\frac{2 (x + 7 x + 7 x + 3)}{(x - 1) (x + 1) (x^{2} + 4 x + 1)}$$

Sequence: A032528
Score: 7.05795
Type of gen. func.: ogf

$$-(58 f(x) - 223) (f(x) x^{4} - 2 f(x) x^{3} + x^{3} + 2 f(x) x + 4 x^{2} - f(x) + x)$$

Sequence: A032545
Score: 21.1916
Type of gen. func.: ogf

$$- (x + 1) (x^{6} - x^{5} + x^{4} - x^{3} + x^{2} - x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x^{24} + x^{23} - x^{19} - x^{18} - x^{17} - x^{16} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} - x^{8} - x^{7} - x^{6} - x^{5} + x + 1)/(x - 1)$$

Sequence: A032607
Score: 10.9299
Type of gen. func.: lgdogf

$$\frac{2 (1890 x^{8} - 4320 x^{7} + 2520 x^{6} - x + 12)}{(x - 1) (630 x^{8} - 720 x^{7} + 2 x - 13)}$$

Sequence: A032607
Score: 11.1564
Type of gen. func.: ogf

$$-\frac{630 x^{8} - 720 x^{7} + 2 x - 13}{(x - 1)^{2}}$$

Sequence: A032608
Score: 10.9865
Type of gen. func.: lgdogf

$$\frac{2700 x^{7} - 6300 x^{6} + 3780 x^{5} - 3 x + 25}{(x - 1) (540 x^{7} - 630 x^{6} + 3 x - 14)}$$

Sequence: A032608
Score: 11.2130
Type of gen. func.: ogf

$$- \frac{540 x^{7} - 630 x^{6} + 3 x - 14}{(x - 1)^{2}}$$

Sequence: A032609
Score: 10.8783
Type of gen. func.: lgdogf

$$\frac{2 (900 x^{6} - 2160 x^{5} + 1350 x^{4} - 2 x + 13)}{(x - 1) (450 x^{6} - 540 x^{5} + 4 x - 15)}$$

Sequence: A032609
Score: 11.2696
Type of gen. func.: ogf

$$- \frac{450 x^{6} - 540 x^{5} + 4 x - 15}{(x - 1)^{2}}$$

Sequence: A032610
Score: 11.0997
Type of gen. func.: lgdogf

$$\frac{1080 x^{5} - 2700 x^{4} + 1800 x^{3} - 5 x + 27}{(x - 1) (360 x^{5} - 450 x^{4} + 5 x - 16)}$$

Sequence: A032610
Score: 11.3263
Type of gen. func.: ogf

$$-\frac{360 x^{5} - 450 x^{4} + 5 x - 16}{(x - 1)^{2}}$$

Sequence: A032611
Score: 11.3280
Type of gen. func.: lgdogf

$$\frac{2 (270 x^{4} - 720 x^{3} + 540 x^{2} - 3 x + 14)}{(x - 1) (270 x^{4} - 360 x^{3} + 6 x - 17)}$$

Sequence: A032611
Score: 11.3829
Type of gen. func.: ogf

$$-\frac{270 x^{4} - 360 x^{3} + 6 x - 17}{(x - 1)^{2}}$$

Sequence: A032611
Score: 5.91552
Type of gen. func.: ogf

$$(1508414699 f(x) + 3218080078833)$$

$$(270 x^{4} + f(x) x^{2} - 360 x^{3} - 2 f(x) x + f(x) + 6 x - 17)$$

Sequence: A032612
Score: 11.4395
Type of gen. func.: ogf

$$-\frac{180 x^{3} - 270 x^{2} + 7 x - 18}{(x - 1)^{2}}$$

Sequence: A032612
Score: 12.9835
Type of gen. func.: lgdogf

$$\frac{180 x^3 - 540 x^2 + 533 x + 29}{(x - 1) (180 x^3 - 270 x^2 + 7 x - 18)}$$

Sequence: A032612
Score: 5.76343
Type of gen. func.: ogf

$-(2255339999 f(x) + 2017630340190)$

$(f(x) x^2 + 180 x^3 - 2 f(x) x - 270 x^2 + f(x) + 7 x - 18)$

Sequence: A032612
Score: 6.29174
Type of gen. func.: ogf

{a(n + 4) - 2 a(n + 3) + a(n + 2), a(0) = 18, a(1) = 29, a(2) = 310, a(3) = 411

}

Sequence: A032613
Score: 12.8998
Type of gen. func.: ogf

$$- \frac{90 x^2 - 172 x - 19}{(x - 1)^2}$$

Sequence: A032613
Score: 19.4712
Type of gen. func.: lgdogf

$$- \frac{2 (-105 + 4 x)}{(x - 1) (90 x^2 - 172 x - 19)}$$

Sequence: A032613
Score: 6.87184
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 19, a(1) = 210, a(2) = 311\}$$

Sequence: A032613
Score: 7.13871
Type of gen. func.: ogf

$$(101 f(x) + 20131) (f(x) x^2 - 2 f(x) x + 90 x^2 + f(x) - 172 x - 19)$$

Sequence: A032614
Score: 15.7234
Type of gen. func.: ogf

$$-\frac{9 x - 110}{(x - 1)^2}$$

Sequence: A032614
Score: 21.9438
Type of gen. func.: revogf

$$-\frac{-55 - x + (3025 + 101 x)^{1/2}}{9 + x}$$

Sequence: A032614
Score: 26.8202
Type of gen. func.: lgdogf

$$-\frac{-211 + 9 x}{(x - 1) (9 x - 110)}$$

Sequence: A032614
Score: 7.94625
Type of gen. func.: ogf

$$(202 f(x) + 22301) (f(x) x^2 - 2 f(x) x + f(x) + 9 x - 110)$$

Sequence: A032614
Score: 8.59302
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 110, a(1) = 211\}$$

Sequence: A032615
Score: 20.4163
Type of gen. func.: ogf_with_Euler_transform]

$$1 + x^2 + x^{20} (x - 1)$$

Sequence: A032634
Score: 7.94903
Type of gen. func.: ogf

$$x^3 (x^{17} + x^{14} + x^{11} + x^8 + x^6 + x^3 + 1) / ((x^{18} + x^{17} + x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A032765
Score: 13.0074
Type of gen. func.: lgdogf

$$- \frac{2 (x^5 - 2 x^4 - x^3 - 3 x^2 - 3 x - 1)}{(x - 1) (x^2 + x + 1) (x^3 - 2 x^2 - 1)}$$

Sequence: A032765
Score: 9.94411
Type of gen. func.: ogf

$$\frac{x (x^3 - 2 x^2 - 1)}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A032766
Score: 10.3963
Type of gen. func.: ogf

$$f(x) x^3 - f(x) x^2 - f(x) x - 2 x^2 + f(x) - x$$

Sequence: A032766
Score: 15.5033
Type of gen. func.: ogf

$$\frac{x (2 x + 1)}{(x + 1) (x - 1)^2}$$

Sequence: A032766
Score: 25.6160
Type of gen. func.: lgdogf

$$- \frac{4 x^2 + 5 x + 3}{(x - 1) (2 x + 1) (x + 1)}$$

Sequence: A032766
Score: 7.96115
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 3\}$$

Sequence: A032768
Score: 6.26688
Type of gen. func.: ogf

$$- \frac{4 x (x + 1) (2 x^2 - x + 2)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^5}$$

Sequence: A032768
Score: 8.03721
Type of gen. func.: lgdogf

$$-\frac{12 x^{7} + 15 x^{6} + 20 x^{5} + 34 x^{4} + 24 x^{3} + 22 x^{2} + 14 x + 9}{(x - 1) (x + 1) (2 x^{2} - x + 2) (x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A032769
Score: 11.3291
Type of gen. func.: lgdogf

$$-\frac{2 x^{6} + 7 x^{5} + 7 x^{4} + 9 x^{3} + 7 x^{2} + 6 x + 2}{(x - 1) (x + 1) (x^{2} + 1) (x^{3} + 2 x^{2} + x + 1)}$$

Sequence: A032769
Score: 11.6583
Type of gen. func.: ogf

$$\frac{x (x^{3} + 2 x^{2} + x + 1)}{(x^{2} + 1) (x + 1) (x - 1)^{2}}$$

Sequence: A032775
Score: 10.0430
Type of gen. func.: ogf

$$\frac{x (x^{5} + x^{4} + 2 x^{3} + x^{2} + x + 1)}{(x + 1) (x^{2} - x + 1) (x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A032775
Score: 7.16255
Type of gen. func.: lgdogf

$$10 \quad 9 \quad 8 \quad 7 \quad 6 \quad 5 \quad 4 \quad 3 \quad 2$$

```
- (2 x   + 4 x  + 10 x  + 9 x  + 11 x  + 13 x  + 11 x  + 9 x  + 9 x  + 4 x + 2)

       /                    2            2
      /  ((x - 1) (x + 1) (x  + x + 1) (x  - x + 1)
     /

      5    4      3    2
    (x  + x  + 2 x  + x  + x + 1))
```

Sequence: A032780
Score: 10.7861
Type of gen. func.: lgdogf

```
                           4       3       2
                       5 (x  - 10 x  + 45 x  - 120 x + 210)
                   - -----------------------------------------
                               4      3       2
                     (x - 1) (x  - 9 x  + 36 x  - 84 x + 126)
```

Sequence: A032780
Score: 4.84172
Type of gen. func.: ogf

```
                             4      3       2
                      64 x (x  - 9 x  + 36 x  - 84 x + 126)
                    - --------------------------------------
                                                   9
                                            (x - 1)
```

Sequence: A032780
Score: 5.81788
Type of gen. func.: ogf

```
    2                            2
 {(n  + 15 n + 50) a(n + 1) + (-n  - 7 n - 6) a(n + 2), a(0) = 0, a(1) = 8064}
```

Sequence: A032793
Score: 12.2046
Type of gen. func.: ogf

```
                                3      2
                               x  + 2 x  + x + 1
                             ---------------------
                               2                 2
                             (x  + x + 1) (x - 1)
```

Sequence: A032793

Score: 13.1010
Type of gen. func.: lgdogf

$$-\frac{x^5+5x^4+6x^3+10x^2+6x+2}{(x-1)(x^2+x+1)(x^3+2x^2+x+1)}$$

Sequence: A032793
Score: 5.07301
Type of gen. func.: ogf

$$\{(5n+17)a(n+1)+5a(n+2)+5a(n+3)+(-5n-12)a(n+4),\ a(0)=1,\ a(1)=2,\ a(2)=4,\ a(3)=6\}$$

Sequence: A032793
Score: 6.73696
Type of gen. func.: ogf

$$-(20f(x)-59)(f(x)x^4-f(x)x^3-x^3-f(x)x-2x^2+f(x)-x-1)$$

Sequence: A032794
Score: 3.99058
Type of gen. func.: ogf

$$-4(9x^9+47x^8+52x^7+164x^6+206x^5+91x^4+125x^3+47x^2+7x+2)\Big/\left((x^2+x+1)^4(x-1)^5\right)$$

Sequence: A032795
Score: 5.67712
Type of gen. func.: ogf

$$\frac{2(3x^6+11x^5+10x^4+23x^3+19x^2+5x+4)}{(x^2+x+1)^3(x-1)^4}$$

Sequence: A032795

Score: 6.07540
Type of gen. func.: lgdogf

$$-\frac{12 x^{8} + 58 x^{7} + 74 x^{6} + 200 x^{5} + 240 x^{4} + 127 x^{3} + 133 x^{2} + 47 x + 9}{(x - 1) (x^{2} + x + 1) (3 x^{6} + 11 x^{5} + 10 x^{4} + 23 x^{3} + 19 x^{2} + 5 x + 4)}$$

Sequence: A032796
Score: 10.4812
Type of gen. func.: ogf

$$\frac{x^{5} + x^{4} + 2 x^{3} + x^{2} + x + 1}{(x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A032796
Score: 8.40240
Type of gen. func.: lgdogf

$$-\frac{x^{9} + 3 x^{8} + 8 x^{7} + 8 x^{6} + 10 x^{5} + 16 x^{4} + 9 x^{3} + 9 x^{2} + 4 x + 2}{(x - 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{5} + x^{4} + 2 x^{3} + x^{2} + x + 1)}$$

Sequence: A032797
Score: 7.51387
Type of gen. func.: ogf

$$\frac{x^{9} + x^{8} + x^{7} + x^{6} + 2 x^{5} + x^{4} + x^{3} + x^{2} + x + 1}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A032798
Score: 6.58669
Type of gen. func.: ogf

$$\frac{x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + 2 x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A032799
Score: 3.30698
Type of gen. func.: ogf

$$-f(x)\,(f(x)\,x^2 - 2\,f(x)\,x + f(x) - x)^2$$

Sequence: A032801
Score: 6.21956
Type of gen. func.: ogf

$$\frac{x^4\,(x^3 - x^2 + x + 1)}{(x^2 + 1)\,(x + 1)^2\,(x - 1)^4}$$

Sequence: A032801
Score: 8.72466
Type of gen. func.: lgdogf

$$-\frac{5\,x^6 - 4\,x^5 + 9\,x^4 + 8\,x^3 + 7\,x^2 + 4\,x + 3}{(x - 1)\,(x + 1)\,(x^2 + 1)\,(x^3 - x^2 + x + 1)}$$

Sequence: A032818
Score: 5.03118
Type of gen. func.: ogf

$$(432\,x^{22} + 72\,x^{14} + 84\,x^{10} + 14\,x^8 + 3\,x^7 + 15\,x^6 + 3\,x^5 + 15\,x^4 + 3\,x^3 + 3\,x^2 + 3\,x + 1) \Big/ \left((x + 1)\,(x^2 + 1)\,(x^4 + 1)\,(x - 1)^2\right)$$

Sequence: A032908
Score: 12.8352
Type of gen. func.: ogf

$$-\frac{3\,x^2 - 6\,x + 2}{(x - 1)\,(x^2 - 3\,x + 1)}$$

Sequence: A032908
Score: 6.99062
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 4 a(n + 1) + a(n), a(0) = 2, a(1) = 2, a(2) = 3\}$$

Sequence: A032908
Score: 8.79718
Type of gen. func.: ogf

$$-f(x) x^3 + 4 f(x) x^2 - 4 f(x) x - 3 x^2 + f(x) + 6 x - 2$$

Sequence: A032961
Score: 5.80973
Type of gen. func.: ogf

$$\frac{x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^5 + x^4 + x^3 + x^2 + x + 1}{(x + 1) (x^2 - x + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A032962
Score: 15.0458
Type of gen. func.: ogf

$$\frac{(x^4 + 1) (x^8 - x^4 + 1)}{(x - 1)^2}$$

Sequence: A032962
Score: 15.9966
Type of gen. func.: lgdogf

$$\frac{2 (5 x^{12} - 6 x^{11} - 1)}{(x - 1) (x^4 + 1) (x^8 - x^4 + 1)}$$

Sequence: A032962
Score: 24.1698
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{23}+x^{11}+2$$

Sequence: A032963
Score: 5.13786
Type of gen. func.: ogf

$$\frac{x^{18}+x^{17}+x^{16}+x^{15}+x^{14}+x^{13}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1}{(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)\,(x-1)^{2}}$$

Sequence: A032964
Score: 11.7365
Type of gen. func.: lgdogf

$$\frac{2\,(6\,x^{14}-7\,x^{13}-1)}{(x-1)^{2}\,(x^{2}+1)\,(x^{12}-x^{10}+x^{8}-x^{6}+x^{4}-x^{2}+1)}$$

Sequence: A032964
Score: 15.3529
Type of gen. func.: ogf

$$\frac{(x^{2}+1)\,(x^{12}-x^{10}+x^{8}-x^{6}+x^{4}-x^{2}+1)}{(x-1)^{2}}$$

Sequence: A032965
Score: 4.60527
Type of gen. func.: ogf

$$(x^{21}+x^{20}+x^{19}+x^{18}+x^{17}+x^{16}+x^{15}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)\Big/\left((x+1)\,(x^{2}+1)\,(x^{4}+1)\,(x-1)^{2}\right)$$

Sequence: A032966
Score: 15.2704
Type of gen. func.: ogf

$$\frac{x^{16} + 1}{(x - 1)^{2}}$$

Sequence: A032966
Score: 21.3432
Type of gen. func.: lgdogf

$$\frac{2 (7 x^{16} - 8 x^{15} - 1)}{(x - 1) (x^{16} + 1)}$$

Sequence: A032973
Score: 6.95590
Type of gen. func.: ogf

$$\frac{3 x^{9} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1}{(x + 1) (x^{2} + 1) (x^{4} + 1) (x - 1)^{2}}$$

Sequence: A033028
Score: 4.97479
Type of gen. func.: ogf

$$\frac{50176 x^{16} + 3808 x^{15} + 241 x^{14} + 3584 x + 16}{(210 x^{15} + 15 x^{14} + 224 x + 1) (x - 1)^{2}}$$

Sequence: A033029
Score: 5.00111
Type of gen. func.: ogf

$$65025 x^{17} + 4590 x^{16} + 273 x^{15} + 4335 x + 17$$

$$\overline{(240 x^{16} + 16 x^{15} + 255 x + 1) (x - 1)^2}$$

Sequence: A033029
Score: 6.74958
Type of gen. func.: lgdogf

$$\frac{971040 x^{17} - 1119518 x^{16} - 9235 x^{15} - 15 x^{14} - 9248 x - 34}{(x - 1) (69360 x^{17} + 8959 x^{16} + 545 x^{15} + 4624 x + 17)}$$

Sequence: A033030
Score: 29.4580
Type of gen. func.: lgdegf]

$$-3 f(x) x + (1 - 3 x) f(x)^2$$

Sequence: A033030
Score: 5.38330
Type of gen. func.: ogf

$\{(-3 n - 6) a(n + 1) + (-3 n - 6) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 0,$

$a(2) = 3\}$

Sequence: A033032
Score: 5.33561
Type of gen. func.: ogf

$$(36 x^{21} + 6 x^{12} + 7 x^9 + 2 x^8 + 2 x^7 + 8 x^6 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 1) / ((x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2)$$

Sequence: A033037
Score: 7.12594
Type of gen. func.: ogf

$$12 x^{12} + x^6 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 1$$

$$\overline{(x + 1) (x^2 - x + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A033039
Score: 6.64830
Type of gen. func.: ogf

$$\frac{14 x^{14} + x^7 + 2 x^6 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A033040
Score: 6.68423
Type of gen. func.: ogf

$$\frac{15 x^{14} + 2 x^7 + 2 x^6 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A033041
Score: 6.26355
Type of gen. func.: ogf

$$\frac{16 x^{16} + x^8 + 2 x^7 + 2 x^6 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 1}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A033057
Score: 4.23082
Type of gen. func.: ogf

$$- (x^{25} + x^{24} + x^{23} + x^{22} + x^{21} - 5 x^{20} - x^{10} - x^9 - x^8 - x^7 - x^6 - 2 x^5 - x^4 - x^3 - x^2 - x - 1) / ((x + 1) (x^2 - x + 1) (x^2 + x + 1) (x - 1)^2)$$

Sequence: A033062
Score: 5.75083

Type of gen. func.: ogf

$$\frac{x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^{4}+x^{3}+x^{2}+x+1}{(x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A033063
Score: 15.0458
Type of gen. func.: ogf

$$\frac{(x+1)(x^{10}-x^{9}+x^{8}-x^{7}+x^{6}-x^{5}+x^{4}-x^{3}+x^{2}-x+1)}{(x-1)^{2}}$$

Sequence: A033063
Score: 24.1698
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{21}+x^{10}+2$$

Sequence: A033063
Score: 9.94386
Type of gen. func.: lgdogf

$$\frac{9x^{11}-11x^{10}-2}{(x-1)(x+1)(x^{10}-x^{9}+x^{8}-x^{7}+x^{6}-x^{5}+x^{4}-x^{3}+x^{2}-x+1)}$$

Sequence: A033064
Score: 5.16636
Type of gen. func.: ogf

$$\frac{x^{18}+x^{17}+x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{5}+x^{4}+x^{3}+x^{2}+x+1}{(x+1)(x^{2}-x+1)(x^{2}+x+1)(x-1)^{2}}$$

Sequence: A033065

Score: 15.3529
Type of gen. func.: ogf

$$\frac{(x + 1) (x^{12} - x^{11} + x^{10} - x^{9} + x^{8} - x^{7} + x^{6} - x^{5} + x^{4} - x^{3} + x^{2} - x + 1)}{(x - 1)^{2}}$$

Sequence: A033065
Score: 8.83691
Type of gen. func.: lgdogf

$$(11 x^{13} - 13 x^{12} - 2) / ((x - 1) (x + 1) (x^{12} - x^{11} + x^{10} - x^{9} + x^{8} - x^{7} + x^{6} - x^{5} + x^{4} - x^{3} + x^{2} - x + 1))$$

Sequence: A033066
Score: 4.58424
Type of gen. func.: ogf

$$(x^{21} + x^{20} + x^{19} + x^{18} + x^{17} + x^{16} + x^{15} + x^{14} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) / ((x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A033067
Score: 15.2704
Type of gen. func.: ogf

$$(x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x^{2} - x + 1) (x^{8} + x^{7} - x^{5} - x^{4} - x^{3} + x + 1) / (x - 1)^{2}$$

Sequence: A033067
Score: 8.68617
Type of gen. func.: lgdogf

$$(13 x^{15} - 15 x^{14} - 2) / ((x - 1) (x + 1) (x^{2} - x + 1) (x^{4} - x^{3} + x^{2} - x + 1)$$

$$(x^{8} + x^{7} - x^{5} - x^{4} - x^{3} + x + 1))$$

Sequence: A033076
Score: 7.68698
Type of gen. func.: ogf

$$\frac{5 x^{10} + 5 x^{9} - x^{7} - x^{4} - x^{3} + 3 x^{2} + 2 x + 1}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (5 x^{3} - 1)}$$

Sequence: A033077
Score: 7.12993
Type of gen. func.: ogf

$$\frac{2 x^{9} + x^{8} + 5 x^{6} + 4 x^{5} + 5 x^{4} + 4 x^{3} + 3 x^{2} + 2 x + 1}{(x - 1) (x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (6 x^{5} - 1)}$$

Sequence: A033082
Score: 9.76949
Type of gen. func.: ogf

$$\frac{x^{5} + 3 x^{3} + 3 x^{2} + 2 x + 1}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (4 x^{3} - 1)}$$

Sequence: A033113
Score: 17.5233
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (3 x - 1) (x + 1)}$$

Sequence: A033113
Score: 18.1523
Type of gen. func.: lgdogf

$$2$$

$$-\frac{9 x - 2 x - 3}{(x - 1) (3 x - 1) (x + 1)}$$

Sequence: A033113
Score: 5.73772
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - a(n + 1) + 3 a(n), a(0) = 1, a(1) = 3, a(2) = 10\}$$

Sequence: A033113
Score: 6.17487
Type of gen. func.: ogf

$$-(13 f(x) + 27) (3 f(x) x^3 - f(x) x^2 - 3 f(x) x + f(x) - 1)$$

Sequence: A033114
Score: 16.5422
Type of gen. func.: lgdogf

$$-\frac{2 (2 x + 1) (-2 + 3 x)}{(x - 1) (4 x - 1) (x + 1)}$$

Sequence: A033114
Score: 17.7799
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (4 x - 1) (x + 1)}$$

Sequence: A033114
Score: 5.82173
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) - a(n + 1) + 4 a(n), a(0) = 1, a(1) = 4, a(2) = 17\}$$

Sequence: A033114
Score: 6.26531
Type of gen. func.: ogf

$$-(39 f(x) + 80) (4 f(x) x^3 - f(x) x^2 - 4 f(x) x + f(x) - 1)$$

Sequence: A033115
Score: 16.5412
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (5 x - 1) (x + 1)}$$

Sequence: A033115
Score: 16.6573
Type of gen. func.: lgdogf

$$-\frac{15 x^2 - 2 x - 5}{(x - 1) (5 x - 1) (x + 1)}$$

Sequence: A033115
Score: 5.41616
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) - a(n + 1) + 5 a(n), a(0) = 1, a(1) = 5, a(2) = 26\}$$

Sequence: A033115
Score: 5.66691
Type of gen. func.: ogf

$$-(651 f(x) + 1325) (5 f(x) x^3 - f(x) x^2 - 5 f(x) x + f(x) - 1)$$

Sequence: A033116
Score: 16.3746
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (6 x - 1) (x + 1)}$$

Sequence: A033116
Score: 16.9623
Type of gen. func.: lgdogf

$$-\frac{2\,(9\,x^2 - x - 3)}{(x - 1)\,(6\,x - 1)\,(x + 1)}$$

Sequence: A033116
Score: 5.36158
Type of gen. func.: ogf

{a(n + 3) - 6 a(n + 2) - a(n + 1) + 6 a(n), a(0) = 1, a(1) = 6, a(2) = 37}

Sequence: A033116
Score: 5.55835
Type of gen. func.: ogf

$$-(1333\,f(x) + 2700)\,(6\,f(x)\,x^3 - f(x)\,x^2 - 6\,f(x)\,x + f(x) - 1)$$

Sequence: A033117
Score: 20.9315
Type of gen. func.: lgdogf

$$-\frac{21\,x^2 - 2\,x - 7}{(x - 1)\,(7\,x - 1)\,(x + 1)}$$

Sequence: A033117
Score: 21.2705
Type of gen. func.: ogf

$$\frac{1}{(x - 1)\,(7\,x - 1)\,(x + 1)}$$

Sequence: A033117
Score: 6.96467
Type of gen. func.: ogf

{a(n + 3) - 7 a(n + 2) - a(n + 1) + 7 a(n), a(0) = 1, a(1) = 7, a(2) = 50}

Sequence: A033117
Score: 7.22027
Type of gen. func.: ogf

$$-(2451 f(x) + 4949) (7 f(x) x^3 - f(x) x^2 - 7 f(x) x + f(x) - 1)$$

Sequence: A033118
Score: 15.8458
Type of gen. func.: lgdogf

$$-\frac{2 (12 x^2 - x - 4)}{(x - 1) (-1 + 8 x) (x + 1)}$$

Sequence: A033118
Score: 16.5980
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (-1 + 8 x) (x + 1)}$$

Sequence: A033118
Score: 5.43473
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) - a(n + 1) + 8 a(n), a(0) = 1, a(1) = 8, a(2) = 65\}$$

Sequence: A033118
Score: 5.63418
Type of gen. func.: ogf

$$-(4161 f(x) + 8384) (8 f(x) x^3 - f(x) x^2 - 8 f(x) x + f(x) - 1)$$

Sequence: A033119
Score: 15.1201
Type of gen. func.: lgdogf

$$-\frac{27 x^2 - 2 x - 9}{(x - 1) (9 x - 1) (x + 1)}$$

Sequence: A033119
Score: 15.4384
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (9 x - 1) (x + 1)}$$

Sequence: A033119
Score: 5.05505
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) - a(n + 1) + 9 a(n), a(0) = 1, a(1) = 9, a(2) = 82\}$$

Sequence: A033119
Score: 5.19292
Type of gen. func.: ogf

$$-(6643 f(x) + 13365) (9 f(x) x^3 - f(x) x^2 - 9 f(x) x + f(x) - 1)$$

Sequence: A033120
Score: 10.5235
Type of gen. func.: lgdogf

$$-\frac{4 x^5 - x^4 + 8 x^3 - x^2 - 2 x - 2}{(x - 1) (-1 + 2 x) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A033120
Score: 11.6876
Type of gen. func.: ogf

$$\frac{x^2 + 1}{(x - 1) (-1 + 2 x) (x^2 + x + 1)}$$

Sequence: A033120
Score: 5.8438
Type of gen. func.: ogf

$$-(43 f(x) - 124) (2 f(x) x^4 - f(x) x^3 - 2 f(x) x - x^2 + f(x) - 1)$$

Sequence: A033121
Score: 10.9540
Type of gen. func.: lgdogf

$$- \frac{6 x^5 - x^4 + 12 x^3 - 2 x - 3}{(3 x - 1) (x - 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A033121
Score: 13.2703
Type of gen. func.: ogf

$$\frac{x^2 + 1}{(3 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A033121
Score: 6.57748
Type of gen. func.: ogf

$$-(701 f(x) - 924) (3 f(x) x^4 - f(x) x^3 - 3 f(x) x - x^2 + f(x) - 1)$$

Sequence: A033122
Score: 10.2404
Type of gen. func.: lgdogf

$$- \frac{8 x^5 - x^4 + 16 x^3 + x^2 - 2 x - 4}{(4 x - 1) (x - 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A033122
Score: 11.5413
Type of gen. func.: ogf

$$\frac{x^2 + 1}{(4 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A033122
Score: 5.7205
Type of gen. func.: ogf

$$-(217 f(x) - 184) (4 f(x) x^4 - f(x) x^3 - 4 f(x) x - x^2 + f(x) - 1)$$

Sequence: A033123
Score: 12.9910
Type of gen. func.: ogf

$$\frac{x^2 + 1}{(x - 1) (5 x - 1) (x^2 + x + 1)}$$

Sequence: A033123
Score: 6.22258
Type of gen. func.: ogf

$$-(22999 f(x) - 14260) (5 f(x) x^4 - f(x) x^3 - 5 f(x) x - x^2 + f(x) - 1)$$

Sequence: A033123
Score: 9.22557
Type of gen. func.: lgdogf

$$-\frac{10 x^5 - x^4 + 20 x^3 + 2 x^2 - 2 x - 5}{(5 x - 1) (x - 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A033124
Score: 11.1913
Type of gen. func.: lgdogf

$$-\frac{12 x^5 - x^4 + 24 x^3 + 3 x^2 - 2 x - 6}{(6 x - 1) (x - 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A033124
Score: 12.9820
Type of gen. func.: ogf

$$\frac{x^2 + 1}{(x - 1) (6 x - 1) (x^2 + x + 1)}$$

Sequence: A033124
Score: 6.21829
Type of gen. func.: ogf

$$-(80459 f(x) - 39108) (6 f(x) x^4 - f(x) x^3 - 6 f(x) x - x^2 + f(x) - 1)$$

Sequence: A033125
Score: 12.5268
Type of gen. func.: ogf

$$\frac{x^2 + 1}{(x - 1) (7 x - 1) (x^2 + x + 1)}$$

Sequence: A033125
Score: 5.95026
Type of gen. func.: ogf

$$-(232553 f(x) - 92624) (7 f(x) x^4 - f(x) x^3 - 7 f(x) x - x^2 + f(x) - 1)$$

Sequence: A033125

Score: 7.79144
Type of gen. func.: lgdogf

$$-\frac{14 x^5 - x^4 + 28 x^3 + 4 x^2 - 2 x - 7}{(x - 1) (7 x - 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A033126
Score: 11.4606
Type of gen. func.: lgdogf

$$-\frac{16 x^5 - x^4 + 32 x^3 + 5 x^2 - 2 x - 8}{(x - 1) (-1 + 8 x) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A033126
Score: 13.2861
Type of gen. func.: ogf

$$\frac{x^2 + 1}{(x - 1) (-1 + 8 x) (x^2 + x + 1)}$$

Sequence: A033126
Score: 6.25872
Type of gen. func.: ogf

$$-(584191 f(x) - 196624) (8 f(x) x^4 - f(x) x^3 - 8 f(x) x - x^2 + f(x) - 1)$$

Sequence: A033127
Score: 5.86445
Type of gen. func.: ogf

$$-(1318031 f(x) - 383472) (9 f(x) x^4 - f(x) x^3 - 9 f(x) x - x^2 + f(x) - 1)$$

Sequence: A033127
Score: 6.56790
Type of gen. func.: lgdogf

$$-\frac{18x^5 - x^4 + 36x^3 + 6x^2 - 2x - 9}{(x-1)(9x-1)(x^2+1)(x^2+x+1)}$$

Sequence: A033127
Score: 7.80375
Type of gen. func.: ogf

$$\frac{x^2 + 1}{(x-1)(9x-1)(x^2+x+1)}$$

Sequence: A033128
Score: 10.0886
Type of gen. func.: lgdogf

$$-\frac{20x^5 - x^4 + 40x^3 + 7x^2 - 2x - 10}{(x-1)(10x-1)(x^2+1)(x^2+x+1)}$$

Sequence: A033128
Score: 11.8306
Type of gen. func.: ogf

$$\frac{x^2 + 1}{(10x-1)(x-1)(x^2+x+1)}$$

Sequence: A033128
Score: 5.62908
Type of gen. func.: ogf

$$-(2731499 f(x) - 699020) (10 f(x) x^4 - f(x) x^3 - 10 f(x) x - x^2 + f(x) - 1)$$

Sequence: A033129
Score: 12.0389

Type of gen. func.: ogf

$$\frac{x (x + 1)}{(x - 1) (-1 + 2 x) (x^2 + x + 1)}$$

Sequence: A033129
Score: 12.5152
Type of gen. func.: lgdogf

$$- \frac{3 (2 x^4 + 2 x^3 - x^2 - 1)}{(x - 1) (-1 + 2 x) (x + 1) (x^2 + x + 1)}$$

Sequence: A033129
Score: 6.18212
Type of gen. func.: ogf

$$-(5 f(x) + 4) (2 f(x) x^4 - f(x) x^3 - 2 f(x) x - x^2 + f(x) - x)$$

Sequence: A033130
Score: 11.9464
Type of gen. func.: lgdogf

$$- \frac{9 x^4 + 10 x^3 - 3 x^2 - 4}{(x - 1) (3 x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A033130
Score: 14.5234
Type of gen. func.: ogf

$$\frac{x + 1}{(3 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A033130
Score: 6.7521
Type of gen. func.: ogf

$$-(10318 f(x) + 2727) (3 f(x) x^4 - f(x) x^3 - 3 f(x) x + f(x) - x - 1)$$

Sequence: A033131
Score: 11.5204
Type of gen. func.: lgdogf

$$-\frac{12 x^4 + 14 x^3 - 3 x^2 - 5}{(x - 1) (4 x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A033131
Score: 12.4124
Type of gen. func.: ogf

$$\frac{x + 1}{(4 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A033131
Score: 5.77068
Type of gen. func.: ogf

$$-(17473 f(x) + 3376) (4 f(x) x^4 - f(x) x^3 - 4 f(x) x + f(x) - x - 1)$$

Sequence: A033132
Score: 11.3727
Type of gen. func.: lgdogf

$$-\frac{3 (5 x^4 + 6 x^3 - x^2 - 2)}{(x - 1) (5 x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A033132
Score: 11.6060
Type of gen. func.: ogf

$$x + 1$$

$$\frac{}{(x - 1) (5 x - 1) (x^2 + x + 1)}$$

Sequence: A033132
Score: 5.30274
Type of gen. func.: ogf

$$-(313004 f(x) + 49175) (5 f(x) x^4 - f(x) x^3 - 5 f(x) x + f(x) - x - 1)$$

Sequence: A033133
Score: 10.7942
Type of gen. func.: lgdogf

$$- \frac{18 x^4 + 22 x^3 - 3 x^2 - 7}{(x - 1) (6 x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A033133
Score: 13.9618
Type of gen. func.: ogf

$$\frac{x + 1}{(x - 1) (6 x - 1) (x^2 + x + 1)}$$

Sequence: A033133
Score: 6.37911
Type of gen. func.: ogf

$$-(268489 f(x) + 35964) (6 f(x) x^4 - f(x) x^3 - 6 f(x) x + f(x) - x - 1)$$

Sequence: A033134
Score: 13.5306
Type of gen. func.: ogf

$$\frac{x + 1}{(x - 1) (7 x - 1) (x^2 + x + 1)}$$

Sequence: A033134
Score: 6.0773
Type of gen. func.: ogf

$$-(3060250 f(x) + 359023) (7 f(x) x^4 - f(x) x^3 - 7 f(x) x + f(x) - x - 1)$$

Sequence: A033134
Score: 9.26160
Type of gen. func.: lgdogf

$$-\frac{21 x^4 + 26 x^3 - 3 x^2 - 8}{(x - 1) (7 x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A033135
Score: 4.11511
Type of gen. func.: ogf

$$-(1901057 f(x) + 198848) (8 f(x) x^4 - f(x) x^3 - 8 f(x) x + f(x) - x - 1)$$

Sequence: A033135
Score: 8.77816
Type of gen. func.: lgdogf

$$-\frac{3 (8 x^4 + 10 x^3 - x^2 - 3)}{(x - 1) (-1 + 8 x) (x + 1) (x^2 + x + 1)}$$

Sequence: A033135
Score: 9.16192
Type of gen. func.: ogf

$$\frac{x + 1}{(x - 1) (-1 + 8 x) (x^2 + x + 1)}$$

Sequence: A033136
Score: 12.3917
Type of gen. func.: lgdogf

$$-\frac{27 x^4 + 34 x^3 - 3 x^2 - 10}{(x - 1) (9 x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A033136
Score: 13.5567
Type of gen. func.: ogf

$$\frac{x + 1}{(x - 1) (9 x - 1) (x^2 + x + 1)}$$

Sequence: A033136
Score: 5.98756
Type of gen. func.: ogf

$$-(17009032 f(x) + 1606959) (9 f(x) x^4 - f(x) x^3 - 9 f(x) x + f(x) - x - 1)$$

Sequence: A033137
Score: 3.64196
Type of gen. func.: ogf

$$-(460579 f(x) + 39700) (10 f(x) x^4 - f(x) x^3 - 10 f(x) x + f(x) - x - 1)$$

Sequence: A033137
Score: 7.21829
Type of gen. func.: lgdogf

$$-\frac{30 x^4 + 38 x^3 - 3 x^2 - 11}{(x - 1) (10 x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A033137
Score: 7.81365

Type of gen. func.: ogf

$$\frac{x+1}{(10x-1)(x-1)(x^2+x+1)}$$

Sequence: A033138
Score: 16.7370
Type of gen. func.: lgdogf

$$-\frac{8x^3-3x^2-2}{(x-1)(-1+2x)(x^2+x+1)}$$

Sequence: A033138
Score: 17.0751
Type of gen. func.: ogf

$$\frac{1}{(x-1)(-1+2x)(x^2+x+1)}$$

Sequence: A033138
Score: 5.64580
Type of gen. func.: ogf

{-a(n + 4) + 2 a(n + 3) + a(n + 1) - 2 a(n), a(0) = 1, a(1) = 2, a(2) = 4,

a(3) = 9}

Sequence: A033138
Score: 6.60452
Type of gen. func.: ogf

$$-(73 f(x) + 160) (2 f(x) x^4 - f(x) x^3 - 2 f(x) x + f(x) - 1)$$

Sequence: A033139
Score: 15.3369
Type of gen. func.: lgdogf

$$-\frac{3\,(4\,x^3 - x^2 - 1)}{(x - 1)\,(3\,x - 1)\,(x^2 + x + 1)}$$

Sequence: A033139
Score: 15.6548
Type of gen. func.: ogf

$$\frac{1}{(3\,x - 1)\,(x - 1)\,(x^2 + x + 1)}$$

Sequence: A033139
Score: 5.13477
Type of gen. func.: ogf

{-a(n + 4) + 3 a(n + 3) + a(n + 1) - 3 a(n), a(0) = 1, a(1) = 3, a(2) = 9,

a(3) = 28}

Sequence: A033139
Score: 5.94301
Type of gen. func.: ogf

$$-(757\,f(x) + 1566)\,(3\,f(x)\,x^4 - f(x)\,x^3 - 3\,f(x)\,x + f(x) - 1)$$

Sequence: A033140
Score: 15.0034
Type of gen. func.: lgdogf

$$-\frac{16\,x^3 - 3\,x^2 - 4}{(4\,x - 1)\,(x - 1)\,(x^2 + x + 1)}$$

Sequence: A033140
Score: 16.0453
Type of gen. func.: ogf

$$\frac{1}{\quad}$$

$$(4x - 1)(x - 1)(x^2 + x + 1)$$

Sequence: A033140
Score: 5.22108
Type of gen. func.: ogf

$$\{-a(n + 4) + 4 a(n + 3) + a(n + 1) - 4 a(n), a(0) = 1, a(1) = 4, a(2) = 16, a(3) = 65\}$$

Sequence: A033140
Score: 6.03539
Type of gen. func.: ogf

$$-(1387 f(x) + 2816) (4 f(x) x^4 - f(x) x^3 - 4 f(x) x + f(x) - 1)$$

Sequence: A033141
Score: 14.2041
Type of gen. func.: lgdogf

$$-\frac{20 x^3 - 3 x^2 - 5}{(x - 1) (5 x - 1) (x^2 + x + 1)}$$

Sequence: A033141
Score: 14.8521
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (5 x - 1) (x^2 + x + 1)}$$

Sequence: A033141
Score: 4.79476
Type of gen. func.: ogf

$$\{-a(n + 4) + 5 a(n + 3) + a(n + 1) - 5 a(n), a(0) = 1, a(1) = 5, a(2) = 25, a(3) = 126\}$$

Sequence: A033141
Score: 5.4859
Type of gen. func.: ogf

$$-(15751 f(x) + 31750) (5 f(x) x^4 - f(x) x^3 - 5 f(x) x + f(x) - 1)$$

Sequence: A033142
Score: 17.7423
Type of gen. func.: lgdogf

$$- \frac{3 (8 x^3 - x^2 - 2)}{(6 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A033142
Score: 18.0482
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (6 x - 1) (x^2 + x + 1)}$$

Sequence: A033142
Score: 5.82658
Type of gen. func.: ogf

{-a(n + 4) + 6 a(n + 3) + a(n + 1) - 6 a(n), a(0) = 1, a(1) = 6, a(2) = 36,

a(3) = 217}

Sequence: A033142
Score: 6.66646
Type of gen. func.: ogf

$$-(46873 f(x) + 94176) (6 f(x) x^4 - f(x) x^3 - 6 f(x) x + f(x) - 1)$$

Sequence: A033143
Score: 18.4397

Type of gen. func.: lgdogf

$$-\frac{28 x^3 - 3 x^2 - 7}{(x - 1) (7 x - 1) (x^2 + x + 1)}$$

Sequence: A033143
Score: 19.1953
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (7 x - 1) (x^2 + x + 1)}$$

Sequence: A033143
Score: 6.19691
Type of gen. func.: ogf

{-a(n + 4) + 7 a(n + 3) + a(n + 1) - 7 a(n), a(0) = 1, a(1) = 7, a(2) = 49,

a(3) = 344}

Sequence: A033143
Score: 7.09017
Type of gen. func.: ogf

$$-(39331 f(x) + 78890) (7 f(x) x^4 - f(x) x^3 - 7 f(x) x + f(x) - 1)$$

Sequence: A033144
Score: 15.2918
Type of gen. func.: lgdogf

$$-\frac{32 x^3 - 3 x^2 - 8}{(x - 1) (-1 + 8 x) (x^2 + x + 1)}$$

Sequence: A033144
Score: 16.7077
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (-1 + 8 x) (x^2 + x + 1)}$$

Sequence: A033144
Score: 5.39383
Type of gen. func.: ogf

$$\{-a(n + 4) + 8 a(n + 3) + a(n + 1) - 8 a(n), a(0) = 1, a(1) = 8, a(2) = 64, a(3) = 513\}$$

Sequence: A033144
Score: 6.0621
Type of gen. func.: ogf

$$-(262657 f(x) + 526336) (8 f(x) x^4 - f(x) x^3 - 8 f(x) x + f(x) - 1)$$

Sequence: A033145
Score: 16.3554
Type of gen. func.: lgdogf

$$- \frac{3 (12 x^3 - x^2 - 3)}{(9 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A033145
Score: 17.4503
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (9 x - 1) (x^2 + x + 1)}$$

Sequence: A033145
Score: 5.63356
Type of gen. func.: ogf

$$\{-a(n + 4) + 9 a(n + 3) + a(n + 1) - 9 a(n), a(0) = 1, a(1) = 9, a(2) = 81,$$

$a(3) = 730\}$

Sequence: A033145
Score: 6.27599
Type of gen. func.: ogf

$$-(532171 f(x) + 1065798) (9 f(x) x^4 - f(x) x^3 - 9 f(x) x + f(x) - 1)$$

Sequence: A033146
Score: 15.2449
Type of gen. func.: lgdogf

$$-\frac{40 x^3 - 3 x^2 - 10}{(x - 1) (10 x - 1) (x^2 + x + 1)}$$

Sequence: A033146
Score: 16.2327
Type of gen. func.: ogf

$$\frac{1}{(10 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A033146
Score: 5.28792
Type of gen. func.: ogf

$\{-a(n + 4) + 10 a(n + 3) + a(n + 1) - 10 a(n), a(0) = 1, a(1) = 10, a(2) = 100,$

$a(3) = 1001\}$

Sequence: A033146
Score: 6.06961
Type of gen. func.: ogf

$$-(333667 f(x) + 668000) (10 f(x) x^4 - f(x) x^3 - 10 f(x) x + f(x) - 1)$$

Sequence: A033171
Score: 6.85946
Type of gen. func.: lgdogf

$$-\frac{732 x^6 + 1461 x^5 + 2191 x^4 + 2921 x^3 + 2193 x^2 + 1460 x + 730}{(x - 1) (x + 1) (x^2 + 1) (366 x^3 + 365 x^2 + 365 x + 365)}$$

Sequence: A033171
Score: 9.54277
Type of gen. func.: ogf

$$\frac{366 x^3 + 365 x^2 + 365 x + 365}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A033174
Score: 6.85946
Type of gen. func.: lgdogf

$$-\frac{730 x^6 + 1460 x^5 + 2190 x^4 + 2925 x^3 + 2191 x^2 + 1461 x + 731}{(x - 1) (x + 1) (x^2 + 1) (365 x^3 + 365 x^2 + 365 x + 366)}$$

Sequence: A033174
Score: 9.54277
Type of gen. func.: ogf

$$\frac{365 x^3 + 365 x^2 + 365 x + 366}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A033175
Score: 11.5615
Type of gen. func.: ogf

$$\frac{20 x + 1}{(10 x - 1) (x - 1)}$$

Sequence: A033175
Score: 12.0753
Type of gen. func.: revogf

$$-\frac{-1 - 11 x + (81 x^2 + 102 x + 1)^{1/2}}{20 (-2 + x)}$$

Sequence: A033175
Score: 12.6370
Type of gen. func.: lgdogf

$$-\frac{200 x^2 + 20 x - 31}{(x - 1) (20 x + 1) (10 x - 1)}$$

Sequence: A033175
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 31\}$$

Sequence: A033175
Score: 7.58702
Type of gen. func.: ogf

$$(321 f(x) + 640) (10 f(x) x^2 - 11 f(x) x + f(x) - 20 x - 1)$$

Sequence: A033182
Score: 17.7573
Type of gen. func.: ogf

$$\frac{1}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A033182
Score: 25.6509
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5 + x^4]$$

Sequence: A033182
Score: 8.39785
Type of gen. func.: lgdogf

$$-\frac{x^4 (11 x^5 + 11 x^4 + 11 x^3 + 11 x^2 + 11 x + 5)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A033183
Score: 17.5446
Type of gen. func.: ogf

$$\frac{1}{(x + 1) (x^2 + 1) (x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A033183
Score: 29.3987
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 + x^3$$

Sequence: A033183
Score: 7.64953
Type of gen. func.: lgdogf

$$-\frac{x^3 (13 x^8 + 13 x^7 + 13 x^6 + 13 x^5 + 4 x^4 + 4 x^3 + 4 x^2 + 4 x + 4)}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A033190
Score: 5.53769
Type of gen. func.: ogf

4 3 4 2 3 2

$$-f(x) (5 f(x) x - 20 f(x) x + x + 21 f(x) x - 6 x - 8 f(x) x + 5 x + f(x) - x)$$

Sequence: A033190
Score: 5.96767
Type of gen. func.: lgdogf

$$-\frac{5 x^6 - 60 x^5 + 174 x^4 - 204 x^3 + 114 x^2 - 30 x + 3}{(x^2 - 3 x + 1) (5 x^2 - 5 x + 1) (x^3 - 6 x^2 + 5 x - 1)}$$

Sequence: A033190
Score: 6.58584
Type of gen. func.: ogf

$$-\frac{x (x^3 - 6 x^2 + 5 x - 1)}{(x^2 - 3 x + 1) (5 x^2 - 5 x + 1)}$$

Sequence: A033191
Score: 5.8248
Type of gen. func.: ogf

$$-5 f(x) x^4 + 20 f(x) x^3 + x^4 - 21 f(x) x^2 - 10 x^3 + 8 f(x) x + 15 x^2 - f(x) - 7 x + 1$$

Sequence: A033191
Score: 5.83422
Type of gen. func.: lgdogf

$$\frac{30 x^6 - 108 x^5 + 171 x^4 - 136 x^3 + 57 x^2 - 12 x + 1}{(x - 1) (x^2 - 3 x + 1) (5 x^2 - 5 x + 1) (x^3 - 9 x^2 + 6 x - 1)}$$

Sequence: A033191
Score: 8.31178
Type of gen. func.: ogf

$$\frac{(x - 1) (x^3 - 9 x^2 + 6 x - 1)}{(x^2 - 3 x + 1) (5 x^2 - 5 x + 1)}$$

Sequence: A033192
Score: 4.83935
Type of gen. func.: ogf

$$-(10 f(x) + 3) (f(x) x^5 - f(x) x^4 - 5 f(x) x^3 + x^4 + f(x) x^2 - x^3 + 3 f(x) x - 2 x^2 - f(x) + x)$$

Sequence: A033192
Score: 6.70270
Type of gen. func.: lgdogf

$$- \frac{2 x^7 - 4 x^6 - 6 x^5 + 15 x^4 + 10 x^3 - 11 x^2 + 1}{(x + 1) (x^2 - 3 x + 1) (x^2 + x - 1) (x^3 - x^2 - 2 x + 1)}$$

Sequence: A033192
Score: 8.91746
Type of gen. func.: ogf

$$- \frac{x (x^3 - x^2 - 2 x + 1)}{(x + 1) (x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A033193
Score: 3.88192
Type of gen. func.: ogf

$$(3 + 16 f(x)) (5 f(x) x^4 - 20 f(x) x^3 - x^4 + 21 f(x) x^2 + 7 x^3 - 8 f(x) x - 11 x^2 + f(x) + 6 x - 1)$$

Sequence: A033193
Score: 5.95466
Type of gen. func.: lgdogf

$$\frac{15 x^6 - 68 x^5 + 139 x^4 - 144 x^3 + 77 x^2 - 20 x + 2}{(x - 1) (x^2 - 3 x + 1) (5 x^2 - 5 x + 1) (x^3 - 6 x^2 + 5 x - 1)}$$

Sequence: A033193
Score: 6.57278
Type of gen. func.: ogf

$$\frac{(x - 1) (x^3 - 6 x^2 + 5 x - 1)}{(x^2 - 3 x + 1) (5 x^2 - 5 x + 1)}$$

Sequence: A033275
Score: 17.1740
Type of gen. func.: lgdogf

$$- \frac{3 x^2 - 14 x + 21}{(x - 1) (x^2 - 4 x + 5)}$$

Sequence: A033275
Score: 4.03932
Type of gen. func.: ogf

{(15 + 5 n) a(n + 4) + (-39 - 9 n) a(n + 3) + (19 + 5 n) a(n + 2)

+ (-n - 3) a(n + 1), a(0) = 0, a(1) = 5, a(2) = 21, a(3) = 56}

Sequence: A033275
Score: 9.73331
Type of gen. func.: ogf

$$- \frac{x (x^2 - 4 x + 5)}{(x - 1)^5}$$

Sequence: A033276
Score: 15.0350
Type of gen. func.: lgdogf

$$-\frac{4x^3 - 27x^2 + 72x - 84}{(x-1)(x^3 - 6x^2 + 14x - 14)}$$

Sequence: A033276
Score: 6.24786
Type of gen. func.: ogf

$$\{(n^2 + 13n + 36)\,a(n+1) + (-n^2 - 7n - 6)\,a(n+2),\ a(0) = 0,\ a(1) = 14\}$$

Sequence: A033276
Score: 6.86702
Type of gen. func.: ogf

$$\frac{x(x^3 - 6x^2 + 14x - 14)}{(x-1)^7}$$

Sequence: A033277
Score: 5.61198
Type of gen. func.: ogf

$$-\frac{x(x^4 - 8x^3 + 27x^2 - 48x + 42)}{(x-1)^9}$$

Sequence: A033277
Score: 6.43998
Type of gen. func.: ogf

$$\{(n^2 + 16n + 55)\,a(n+1) + (-n^2 - 8n - 7)\,a(n+2),\ a(0) = 0,\ a(1) = 42\}$$

Sequence: A033277
Score: 8.08958
Type of gen. func.: lgdogf

$$-\frac{5x^4-44x^3+165x^2-330x+330}{(x-1)(x^4-8x^3+27x^2-48x+42)}$$

Sequence: A033278
Score: 4.27170
Type of gen. func.: ogf

$$\frac{x(x^5-10x^4+44x^3-110x^2+165x-132)}{(x-1)^{11}}$$

Sequence: A033278
Score: 6.21654
Type of gen. func.: ogf

$$\{(n^2+19n+78)a(n+1)+(-n^2-9n-8)a(n+2), a(0)=0, a(1)=132\}$$

Sequence: A033278
Score: 8.57667
Type of gen. func.: lgdogf

$$-\frac{6x^5-65x^4+312x^3-858x^2+1430x-1287}{(x-1)(x^5-10x^4+44x^3-110x^2+165x-132)}$$

Sequence: A033279
Score: 6.07725
Type of gen. func.: ogf

$$\{(n^2+22n+105)a(n+1)+(-n^2-10n-9)a(n+2), a(0)=0, a(1)=429\}$$

Sequence: A033279
Score: 7.14285

Type of gen. func.: lgdogf

$$-\frac{7x^6 - 90x^5 + 525x^4 - 1820x^3 + 4095x^2 - 6006x + 5005}{(x-1)(x^6 - 12x^5 + 65x^4 - 208x^3 + 429x^2 - 572x + 429)}$$

Sequence: A033281
Score: 3.56347
Type of gen. func.: ogf

$$\{(-4n^3 - 78n^2 - 500n - 1056)a(n+1) + (n^3 + 15n^2 + 56n + 60)a(n+2),$$
$$a(0) = 1, a(1) = 35\}$$

Sequence: A033288
Score: 2.54154
Type of gen. func.: ogf

$$(f(x) - 1)^2$$

Sequence: A033296
Score: 6.01285
Type of gen. func.: ogf

$$f(x)^3 x^3 + f(x)^2 x^3 + 6 f(x)^2 x^2 + 6 f(x) x - f(x) + 1$$

Sequence: A033296
Score: 6.43039
Type of gen. func.: revogf

$$\left((x^2 + 6x + 1)^{1/2} x^2 + 3(x^2 + 6x + 1)^{1/2} x + (x^2 + 6x + 1)^{1/2} - 1 - 6x - x^3 - 6x^2\right) \Big/ (2x^2)$$

Sequence: A033297
Score: 4.07156
Type of gen. func.: ogf

$$\{(4 n + 14) a(n + 1) + (3 n + 9) a(n + 2) + (-n - 5) a(n + 3), a(0) = 1,$$
$$a(1) = 1, a(2) = 4\}$$

Sequence: A033297
Score: 5.44075
Type of gen. func.: ogf

$$f(x)^2 x^4 + 2 f(x)^2 x^3 + f(x)^2 x^2 + 2 f(x) x^2 + f(x) x - f(x) + 1$$

Sequence: A033303
Score: 10.6338
Type of gen. func.: ogf

$$\frac{x + 1}{x^3 - x^2 - 2 x + 1}$$

Sequence: A033303
Score: 12.8001
Type of gen. func.: lgdogf

$$- \frac{2 x^3 + 2 x^2 - 2 x - 3}{(x + 1) (x^3 - x^2 - 2 x + 1)}$$

Sequence: A033303
Score: 5.03204
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 3, a(2) = 7\}$$

Sequence: A033303
Score: 5.12353
Type of gen. func.: ogf

$$-(273 f(x) + 10) (f(x) x^3 - f(x) x^2 - 2 f(x) x + f(x) - x - 1)$$

Sequence: A033304
Score: 11.0403
Type of gen. func.: ogf

$$-\frac{3x^2 - 2x - 2}{x^3 - x^2 - 2x + 1}$$

Sequence: A033304
Score: 11.7856
Type of gen. func.: lgdogf

$$-\frac{3x^4 - 4x^3 + 2x^2 - 2x + 6}{(3x^2 - 2x - 2)(x^3 - x^2 - 2x + 1)}$$

Sequence: A033304
Score: 5.75606
Type of gen. func.: ogf

$$-(41 f(x) + 13)(f(x) x^3 - f(x) x^2 - 2 f(x) x + 3 x^2 + f(x) - 2 x - 2)$$

Sequence: A033304
Score: 5.95982
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 6, a(2) = 11}

Sequence: A033305
Score: 10.3730
Type of gen. func.: lgdogf

$$-\frac{2x(2x^4 - 4x^3 + x^2 + x + 1)}{(x - 1)(x + 1)(x^4 - 2x^3 + x^2 - 2x + 1)}$$

Sequence: A033305

Score: 9.17200
Type of gen. func.: ogf

$$-\frac{x - 1}{(x + 1) (x^4 - 2 x^3 + x^2 - 2 x + 1)}$$

Sequence: A033312
Score: 3.50862
Type of gen. func.: ogf

$$\{(-n^2 - 4 n - 4) a(n + 1) + (n^2 + 5 n + 5) a(n + 2) + (-1 - n) a(n + 3),$$

$$a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A033321
Score: 30.3494
Type of gen. func.: revogf

$$\frac{x (-1 + 2 x)}{x^2 + x - 1}$$

Sequence: A033321
Score: 6.63894
Type of gen. func.: lgdogf

$$-\frac{2 x - 1 + (5 x - 1)^{1/2} x (x - 1)^{1/2} - (x - 1)^{1/2} (5 x - 1)^{1/2}}{(-2 + x) (x - 1)^{1/2} x (5 x - 1)^{1/2}}$$

Sequence: A033321
Score: 8.44432
Type of gen. func.: ogf

$$f(x)^2 x^2 - 2 f(x)^2 x + f(x) x + f(x) - 1$$

Sequence: A033322
Score: 118.213
Type of gen. func.: lgdogf

$$\frac{1}{x + 2}$$

Sequence: A033322
Score: 16.2449
Type of gen. func.: ogf

$$x + 2 - f(x)$$

Sequence: A033322
Score: 39.4042
Type of gen. func.: revegf]

$$\frac{2 x}{2 + (4 + 2 x)^{1/2}}$$

Sequence: A033322
Score: 8.77228
Type of gen. func.: ogf

{a(n + 2), a(0) = 2, a(1) = 1}

Sequence: A033324
Score: 28.5341
Type of gen. func.: lgdogf

$$\frac{3 x^2 + 2 x + 2}{x^3 + x^2 + 2 x + 4}$$

Sequence: A033324
Score: 6.04942
Type of gen. func.: ogf

{a(n + 4), a(0) = 4, a(1) = 2, a(2) = 1, a(3) = 1}

Sequence: A033324
Score: 6.88703
Type of gen. func.: ogf

$$(f(x) - 4) (-x^3 - x^2 + f(x) - 2 x - 4)$$

Sequence: A033325
Score: 21.2176
Type of gen. func.: lgdogf

$$\frac{4 x^3 + 3 x^2 + 2 x + 2}{x^4 + x^3 + x^2 + 2 x + 5}$$

Sequence: A033325
Score: 5.02421
Type of gen. func.: ogf

{-a(n + 5), a(0) = 5, a(1) = 2, a(2) = 1, a(3) = 1, a(4) = 1}

Sequence: A033325
Score: 5.87245
Type of gen. func.: ogf

$$-(f(x) - 2) (-x^4 - x^3 - x^2 + f(x) - 2 x - 5)$$

Sequence: A033326
Score: 16.2252
Type of gen. func.: lgdogf

$$\frac{5 x^4 + 4 x^3 + 3 x^2 + 4 x + 3}{x^5 + x^4 + x^3 + 2 x^2 + 3 x + 6}$$

Sequence: A033326
Score: 5.63828
Type of gen. func.: ogf

$$(f(x) - 7) (-x^5 - x^4 - x^3 - 2 x^2 + f(x) - 3 x - 6)$$

Sequence: A033327
Score: 13.5654
Type of gen. func.: lgdogf

$$\frac{6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 4 x + 3}{x^6 + x^5 + x^4 + x^3 + 2 x^2 + 3 x + 7}$$

Sequence: A033328
Score: 11.3354
Type of gen. func.: lgdogf

$$\frac{7 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 6 x^2 + 4 x + 4}{(x^2 + 2 x + 2) (x^5 - x^4 + x^3 + x^2 - 2 x + 4)}$$

Sequence: A033329
Score: 9.96973
Type of gen. func.: lgdogf

$$\frac{8 x^7 + 7 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 6 x^2 + 6 x + 4}{x^8 + x^7 + x^6 + x^5 + x^4 + 2 x^3 + 3 x^2 + 4 x + 9}$$

Sequence: A033330
Score: 8.66676
Type of gen. func.: lgdogf

$$\frac{9 x^8 + 8 x^7 + 7 x^6 + 6 x^5 + 5 x^4 + 8 x^3 + 6 x^2 + 6 x + 5}{x^9 + x^8 + x^7 + x^6 + x^5 + 2 x^4 + 2 x^3 + 3 x^2 + 5 x + 10}$$

Sequence: A033331
Score: 7.70379
Type of gen. func.: lgdogf

$$\frac{10 x^{9} + 9 x^{8} + 8 x^{7} + 7 x^{6} + 6 x^{5} + 5 x^{4} + 8 x^{3} + 6 x^{2} + 6 x + 5}{x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + 2 x^{4} + 2 x^{3} + 3 x^{2} + 5 x + 11}$$

Sequence: A033332
Score: 6.70975
Type of gen. func.: lgdogf

$$(11 x^{10} + 10 x^{9} + 9 x^{8} + 8 x^{7} + 7 x^{6} + 6 x^{5} + 10 x^{4} + 8 x^{3} + 9 x^{2} + 8 x + 6) \Big/ (x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + 2 x^{5} + 2 x^{4} + 3 x^{3} + 4 x^{2} + 6 x + 12)$$

Sequence: A033333
Score: 6.35122
Type of gen. func.: lgdogf

$$(x + 1) (12 x^{10} - x^{9} + 11 x^{8} - 2 x^{7} + 10 x^{6} - 3 x^{5} + 9 x^{4} + x^{3} + 7 x^{2} + 2 x + 6) \Big/ (x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + 2 x^{5} + 2 x^{4} + 3 x^{3} + 4 x^{2} + 6 x + 13)$$

Sequence: A033428
Score: 14.1848
Type of gen. func.: ogf

$$- \frac{3 x (x + 1)}{(x - 1)^{3}}$$

Sequence: A033428
Score: 38.2864
Type of gen. func.: ogf_with_Euler_transform]

[4 - x]

Sequence: A033428
Score: 39.8491
Type of gen. func.: lgdogf

$$-\frac{2\,(x + 2)}{(x - 1)\,(x + 1)}$$

Sequence: A033428
Score: 7.21904
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 0,\ a(1) = 3,\ a(2) = 12\}$$

Sequence: A033428
Score: 7.55636
Type of gen. func.: ogf

$$(4\,f(x) + 3)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 3\,x^2 - f(x) + 3\,x)$$

Sequence: A033429
Score: 11.1479
Type of gen. func.: ogf

$$f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 5\,x^2 - f(x) + 5\,x$$

Sequence: A033429
Score: 16.6241
Type of gen. func.: ogf

$$-\frac{5\,x\,(x + 1)}{(x - 1)^3}$$

Sequence: A033429
Score: 44.8951
Type of gen. func.: ogf_with_Euler_transform]

$$[4 - x]$$

Sequence: A033429
Score: 46.7888
Type of gen. func.: lgdogf

$$-\frac{2(x+2)}{(x-1)(x+1)}$$

Sequence: A033429
Score: 8.46046
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 5, a(2) = 20}

Sequence: A033430
Score: 10.8422
Type of gen. func.: ogf

$$\frac{4x(x^2+4x+1)}{(x-1)^4}$$

Sequence: A033430
Score: 24.7290
Type of gen. func.: lgdogf

$$-\frac{2(x^2+7x+4)}{(x-1)(x^2+4x+1)}$$

Sequence: A033430
Score: 4.03176
Type of gen. func.: ogf

{(n + 3) a(n + 4) + (-2 + 3 n) a(n + 3) + (-17 - 3 n) a(n + 2)

+ (-n - 2) a(n + 1), a(0) = 0, a(1) = 4, a(2) = 32, a(3) = 108}

Sequence: A033430
Score: 5.61063
Type of gen. func.: ogf

$$-(165 f(x) + 1087)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 x^3 - 4 f(x) x - 16 x^2 + f(x) - 4 x)$$

Sequence: A033431
Score: 10.7634
Type of gen. func.: ogf

$$\frac{2 x (x^2 + 4 x + 1)}{(x - 1)^4}$$

Sequence: A033431
Score: 24.2083
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + 7 x + 4)}{(x - 1) (x^2 + 4 x + 1)}$$

Sequence: A033431
Score: 3.96834
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-2 + 3 n) a(n + 3) + (-17 - 3 n) a(n + 2)$$

$$+ (-n - 2) a(n + 1), a(0) = 0, a(1) = 2, a(2) = 16, a(3) = 54\}$$

Sequence: A033431
Score: 5.97501
Type of gen. func.: ogf

$$-(330 f(x) + 1087)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 2 x^3 - 4 f(x) x - 8 x^2 + f(x) - 2 x)$$

Sequence: A033434
Score: 9.24999
Type of gen. func.: ogf

$$-f(x)^2 x^4 - 5 f(x) x^3 + 7 f(x) x^2 - x^3 - 5 f(x) x + f(x) + x - 1$$

Sequence: A033436
Score: 10.3232
Type of gen. func.: lgdogf

$$-\frac{4 x^5 + 7 x^4 + 10 x^3 + 6 x^2 + 6 x + 3}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A033436
Score: 22.5699
Type of gen. func.: ogf_with_Euler_transform]

$$x^3 - x^2 + 3$$

Sequence: A033436
Score: 7.74240
Type of gen. func.: ogf

$$-\frac{x^2 (x^2 + x + 1)}{(x^2 + 1) (x + 1) (x - 1)^3}$$

Sequence: A033437
Score: 29.8431
Type of gen. func.: ogf_with_Euler_transform]

$$x^4 - x^3 + 3$$

Sequence: A033437
Score: 7.60863
Type of gen. func.: lgdogf

$$-\frac{4x^7+7x^6+10x^5+13x^4+8x^3+9x^2+6x+3}{(x-1)(x+1)(x^2+1)(x^4+x^3+x^2+x+1)}$$

Sequence: A033437
Score: 9.34684
Type of gen. func.: ogf

$$-\frac{x^2(x^2+1)(x+1)}{(x^4+x^3+x^2+x+1)(x-1)^3}$$

Sequence: A033438
Score: 22.1797
Type of gen. func.: ogf_with_Euler_transform]

$$x^5-x^4+3$$

Sequence: A033438
Score: 5.75788
Type of gen. func.: lgdogf

$$-\frac{4x^9+7x^8+10x^7+13x^6+16x^5+10x^4+12x^3+9x^2+6x+3}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)(x^4+x^3+x^2+x+1)}$$

Sequence: A033438
Score: 6.40421
Type of gen. func.: ogf

$$-\frac{x^2(x^4+x^3+x^2+x+1)}{(x+1)(x^2-x+1)(x^2+x+1)(x-1)^3}$$

Sequence: A033439
Score: 28.3355
Type of gen. func.: ogf_with_Euler_transform]

$$x^6 - x^5 + 3$$

Sequence: A033439
Score: 7.57349
Type of gen. func.: ogf

$$- \frac{x^2 (x + 1) (x^2 - x + 1) (x^2 + x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A033440
Score: 22.1797
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 - x^6 + 3$$

Sequence: A033440
Score: 5.48157
Type of gen. func.: ogf

$$- \frac{x^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^3}$$

Sequence: A033441
Score: 28.4731
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 - x^7 + 3$$

Sequence: A033441
Score: 6.53163
Type of gen. func.: ogf

$$- \frac{x^2 (x + 1) (x^2 + 1) (x^4 + 1)}{{}^{2} \qquad {}^{6} \quad {}^{3} \qquad {}^{3}}$$

```
                       (x  + x + 1) (x  + x  + 1) (x - 1)
```

Sequence: A033442
Score: 27.7920
Type of gen. func.: ogf_with_Euler_transform]

```
                                   9    8
                                  x  - x  + 3
```

Sequence: A033442
Score: 5.91068
Type of gen. func.: ogf

```
                           2   2            6    3
                          x  (x  + x + 1) (x  + x  + 1)
        - --------------------------------------------------------------
                    4    3    2            4    3    2                 3
          (x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1) (x - 1)
```

Sequence: A033443
Score: 26.9980
Type of gen. func.: ogf_with_Euler_transform]

```
                                   10    9
                                  x   - x  + 3
```

Sequence: A033443
Score: 5.57364
Type of gen. func.: ogf

```
              2           4    3    2            4    3    2
             x  (x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1)
        - --------------------------------------------------------------
            10    9    8    7    6    5    4    3    2                 3
          (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x - 1)
```

Sequence: A033444
Score: 26.1271
Type of gen. func.: ogf_with_Euler_transform]

```
                                  11    10
                                 x   - x   + 3
```

Sequence: A033444
Score: 5.25001
Type of gen. func.: ogf

$$-\frac{x^{2}\,(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)}{(x+1)\,(x^{2}+1)\,(x^{4}-x^{2}+1)\,(x^{2}+x+1)\,(x^{2}-x+1)\,(x-1)^{3}}$$

Sequence: A033445
Score: 17.2175
Type of gen. func.: lgdogf

$$-\frac{2\,x\,(x^{2}-8\,x-5)}{(x-1)\,(2\,x^{3}-11\,x^{2}+4\,x-1)}$$

Sequence: A033445
Score: 4.11074
Type of gen. func.: ogf

$$\{(29\,n^{2}+157\,n+198)\,a(n+1)+(-61\,n^{2}-287\,n-330)\,a(n+2)$$

$$+\,(32\,n^{2}+121\,n+75)\,a(n+3),\ a(0)=1,\ a(1)=0,\ a(2)=5\}$$

Sequence: A033445
Score: 5.30144
Type of gen. func.: ogf

$$-(99\,f(x)+412)\,($$

$$f(x)\,x^{4}-4\,f(x)\,x^{3}+6\,f(x)\,x^{2}+2\,x^{3}-4\,f(x)\,x-11\,x^{2}+f(x)+4\,x-1)$$

Sequence: A033445
Score: 9.85524
Type of gen. func.: ogf

$$-\frac{2\,x^{3}-11\,x^{2}+4\,x-1}{(x-1)^{4}}$$

Sequence: A033453
Score: 17.2812
Type of gen. func.: ogf

$$-\frac{x+1}{x^3-2x^2+4x-1}$$

Sequence: A033453
Score: 21.4866
Type of gen. func.: lgdogf

$$-\frac{2x^3+x^2-4x+5}{(x+1)(x^3-2x^2+4x-1)}$$

Sequence: A033453
Score: 8.10536
Type of gen. func.: ogf

$$\{-a(n+3)+4a(n+2)-2a(n+1)+a(n),\ a(0)=1,\ a(1)=5,\ a(2)=18\}$$

Sequence: A033453
Score: 8.25139
Type of gen. func.: ogf

$$-(275f(x)+193)(f(x)x^3-2f(x)x^2+4f(x)x-f(x)+x+1)$$

Sequence: A033455
Score: 37.4158
Type of gen. func.: ogf_with_Euler_transform]

$$[8-2x]$$

Sequence: A033455
Score: 38.8812
Type of gen. func.: lgdogf

$$-\frac{4(x+2)}{(x-1)(x+1)}$$

Sequence: A033455
Score: 5.86636
Type of gen. func.: ogf

$\{(-n - 3) a(n + 3) + 8 a(n + 2) + (n + 5) a(n + 1), a(0) = 1, a(1) = 8,$

$a(2) = 34\}$

Sequence: A033455
Score: 8.99952
Type of gen. func.: ogf

$$\frac{(x+1)^2}{(x-1)^6}$$

Sequence: A033463
Score: 13.1138
Type of gen. func.: lgdogf

$$-\frac{4(4x^4-4x^3+6x^2+x+2)}{(-1+2x)(8x^4-12x^3+10x^2-2x+1)}$$

Sequence: A033463
Score: 8.26386
Type of gen. func.: ogf

$$-\frac{8x^4-12x^3+10x^2-2x+1}{(-1+2x)^5}$$

Sequence: A033478
Score: 10.0172
Type of gen. func.: ogf

$$\frac{7 x^{7} + 14 x^{6} + x^{5} + 2 x^{4} - 13 x^{3} - 5 x^{2} - 10 x - 3}{(x - 1) (x^{2} + x + 1)}$$

Sequence: A033478
Score: 7.65457
Type of gen. func.: lgdogf

$$\frac{28 x^{9} + 42 x^{8} + 2 x^{7} - 47 x^{6} - 84 x^{5} + 12 x^{3} + 48 x^{2} + 10 x + 10}{(x - 1) (x^{2} + x + 1) (7 x^{7} + 14 x^{6} + x^{5} + 2 x^{4} - 13 x^{3} - 5 x^{2} - 10 x - 3)}$$

Sequence: A033481
Score: 6.96495
Type of gen. func.: lgdogf

$$(28 x^{9} + 42 x^{8} + 56 x^{7} + 7 x^{6} - 84 x^{5} - 108 x^{4} - 96 x^{3} + 48 x^{2} + 64 x + 64) / ((x - 1) (x^{2} + x + 1) (7 x^{7} + 14 x^{6} + 28 x^{5} + 56 x^{4} + 5 x^{3} - 32 x^{2} - 64 x - 21))$$

Sequence: A033481
Score: 9.79736
Type of gen. func.: ogf

$$\frac{7 x^{7} + 14 x^{6} + 28 x^{5} + 56 x^{4} + 5 x^{3} - 32 x^{2} - 64 x - 21}{(x - 1) (x^{2} + x + 1)}$$

Sequence: A033482
Score: 5.45311
Type of gen. func.: ogf

$$(8 f(x) - 5) (11 f(x) x^{4} - x^{4} - 8 f(x) x^{2} + 4 x^{3} + 3 x^{2} + f(x) - 2 x - 1)$$

Sequence: A033482
Score: 6.98404
Type of gen. func.: lgdogf

$$\frac{2 (2 x + 1) (11 x^5 + 7 x^4 - 12 x^3 - 4 x^2 + 3 x + 1)}{(x^4 - 4 x^3 - 3 x^2 + 2 x + 1) (11 x^4 - 8 x^2 + 1)}$$

Sequence: A033482
Score: 8.10599
Type of gen. func.: ogf

$$\frac{x^4 - 4 x^3 - 3 x^2 + 2 x + 1}{11 x^4 - 8 x^2 + 1}$$

Sequence: A033484
Score: 15.5674
Type of gen. func.: ogf

$$\frac{x + 1}{(x - 1) (-1 + 2 x)}$$

Sequence: A033484
Score: 17.1700
Type of gen. func.: revogf

$$- \frac{-1 - 3 x + (x^2 + 10 x + 1)^{1/2}}{2 (-1 + 2 x)}$$

Sequence: A033484
Score: 19.6228
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 + 2 x - 2)}{(x - 1) (-1 + 2 x) (x + 1)}$$

Sequence: A033484
Score: 8.05211
Type of gen. func.: ogf

$$(17 f(x) + 47) (2 f(x) x^2 - 3 f(x) x + f(x) - x - 1)$$

Sequence: A033484
Score: 8.54310
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A033486
Score: 12.4125
Type of gen. func.: ogf

$$-\frac{12 x}{(x - 1)^5}$$

Sequence: A033486
Score: 7.63848
Type of gen. func.: ogf

$$\{(n + 1) a(n + 2) + (-n - 5) a(n + 1), a(0) = 0, a(1) = 12\}$$

Sequence: A033486
Score: 97.9462
Type of gen. func.: lgdogf

$$-\frac{5}{x - 1}$$

Sequence: A033487
Score: 12.0937
Type of gen. func.: ogf

$$-\frac{6 x}{(x - 1)^5}$$

Sequence: A033487
Score: 7.39713
Type of gen. func.: ogf

$$\{(n + 1) a(n + 2) + (-n - 5) a(n + 1), a(0) = 0, a(1) = 6\}$$

Sequence: A033487
Score: 93.8839
Type of gen. func.: lgdogf

$$-\frac{5}{x - 1}$$

Sequence: A033488
Score: 6.00856
Type of gen. func.: ogf

$$\{(n + 1) a(n + 2) + (-n - 5) a(n + 1), a(0) = 0, a(1) = 4\}$$

Sequence: A033488
Score: 76.0491
Type of gen. func.: lgdogf

$$-\frac{5}{x - 1}$$

Sequence: A033488
Score: 9.82352
Type of gen. func.: ogf

$$-\frac{4 x}{(x - 1)^5}$$

Sequence: A033504
Score: 13.4632
Type of gen. func.: lgdogf

$$-\frac{2\,(12\,x + 13 + 2\,(-4\,x + 1)^{1/2})}{(4\,x + 3)\,(4\,x - 1)}$$

Sequence: A033504
Score: 3.39675
Type of gen. func.: ogf

$$\{(16\,n^2 + 88\,n + 120)\,a(n + 1) + (-8\,n^2 - 42\,n - 52)\,a(n + 2)$$
$$+ (n^2 + 5\,n + 6)\,a(n + 3),\ a(0) = 1,\ a(1) = 10,\ a(2) = 66\}$$

Sequence: A033504
Score: 3.93763
Type of gen. func.: ogf

$$256\,f(x)^2\,x^4 - 256\,f(x)^2\,x^3 + 96\,f(x)^2\,x^2 - 16\,f(x)^2\,x - 64\,f(x)\,x^2 + f(x)^2$$
$$+ 32\,f(x)\,x - 4\,f(x) + 4\,x + 3$$

Sequence: A033505
Score: 17.1384
Type of gen. func.: ogf

$$\frac{1}{x^3 - x^2 - 3\,x + 1}$$

Sequence: A033505
Score: 19.4139
Type of gen. func.: lgdogf

$$-\frac{3\,x^2 - 2\,x - 3}{x^3 - x^2 - 3\,x + 1}$$

Sequence: A033505
Score: 5.61167
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 3, a(2) = 10\}$

Sequence: A033505
Score: 7.16211
Type of gen. func.: ogf

$$-(31 f(x) + 9) (f(x) x^{3} - f(x) x^{2} - 3 f(x) x + f(x) - 1)$$

Sequence: A033506
Score: 6.89391
Type of gen. func.: ogf

$$-\frac{(x^{2} + 2 x - 1) (x^{2} - x - 1)}{(x + 1) (x^{5} - x^{4} - 9 x^{3} + 9 x^{2} + 5 x - 1)}$$

Sequence: A033507
Score: 4.36253
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^{6} - x^{5} - 12 x^{4} - 2 x^{3} + 18 x^{2} + 3 x - 1)}{x^{9} - x^{8} - 23 x^{7} + 29 x^{6} + 91 x^{5} - 111 x^{4} - 41 x^{3} + 41 x^{2} + 9 x - 1}$$

Sequence: A033515
Score: 10.9152
Type of gen. func.: lgdogf

$$-\frac{x^{6} - 15 x^{4} - 4 x^{3} + 69 x^{2} + 72 x + 32}{(x^{3} - 8 x - 4) (x^{4} - 9 x^{2} - 6 x + 1)}$$

Sequence: A033515
Score: 11.6547
Type of gen. func.: ogf

2

$$-\frac{x + 2 x - 1}{x^4 - 9 x^2 - 6 x + 1}$$

Sequence: A033515
Score: 6.23631
Type of gen. func.: ogf

$$(629 f(x) + 59) (f(x) x^4 - 9 f(x) x^2 - 6 f(x) x + x^2 + f(x) + 2 x - 1)$$

Sequence: A033516
Score: 6.37018
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^3 - 2 x^2 - 6 x + 1)}{x^6 - 2 x^5 - 18 x^4 + 46 x^3 - 6 x^2 - 14 x + 1}$$

Sequence: A033517
Score: 4.88373
Type of gen. func.: ogf

$$-\frac{x^6 + 2 x^5 - 21 x^4 - 36 x^3 + 9 x^2 + 14 x - 1}{x^8 + 3 x^7 - 40 x^6 - 119 x^5 + 159 x^4 + 209 x^3 - 76 x^2 - 25 x + 1}$$

Sequence: A033536
Score: 3.86880
Type of gen. func.: ogf

$$\{(-64 n^3 - 288 n^2 - 432 n - 216) a(n + 1) + (n^3 + 9 n^2 + 27 n + 27) a(n + 2),$$

$$a(0) = 1, a(1) = 1\}$$

Sequence: A033537
Score: 10.7336
Type of gen. func.: ogf

$$x (3 x - 7)$$

```
 -----------
          3
   (x - 1)
```

Sequence: A033537
Score: 26.1228
Type of gen. func.: lgdogf

$$-\frac{6\,(-3 + x)}{(x - 1)\,(3\,x - 7)}$$

Sequence: A033537
Score: 5.46263
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 0,\ a(1) = 7,\ a(2) = 18\}$$

Sequence: A033537
Score: 8.25403
Type of gen. func.: ogf

$$(4912\,f(x) - 37851)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x - 3\,x^2 - f(x) + 7\,x)$$

Sequence: A033538
Score: 10.8425
Type of gen. func.: ogf

$$\frac{3\,x^2 - 3\,x + 1}{(x - 1)\,(x^2 + 3\,x - 1)}$$

Sequence: A033538
Score: 10.9892
Type of gen. func.: lgdogf

$$-\frac{3\,x^4 - 6\,x^3 + 9\,x^2 - 2\,x - 1}{(x - 1)\,(3\,x^2 - 3\,x + 1)\,(x^2 + 3\,x - 1)}$$

Sequence: A033538
Score: 5.90530
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 2 a(n + 1) - a(n), a(0) = 1, a(1) = 1, a(2) = 5\}$$

Sequence: A033538
Score: 6.99463
Type of gen. func.: ogf

$$(3 f(x) + 5) (f(x) x^3 + 2 f(x) x^2 - 4 f(x) x - 3 x^2 + f(x) + 3 x - 1)$$

Sequence: A033539
Score: 10.4693
Type of gen. func.: lgdogf

$$\frac{4 x^4 - 14 x^3 + 11 x^2 - 4 x + 1}{(x - 1) (x^2 + 2 x - 1) (3 x^3 - x^2 - 2 x + 1)}$$

Sequence: A033539
Score: 5.17910
Type of gen. func.: ogf

$$\{-a(n + 4) + 3 a(n + 3) - a(n + 2) - a(n + 1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 4\}$$

Sequence: A033539
Score: 5.74488
Type of gen. func.: ogf

$$(f(x) - 1) (f(x) x^3 + f(x) x^2 - 3 x^3 - 3 f(x) x + x^2 + f(x) + 2 x - 1)$$

Sequence: A033539
Score: 9.90784
Type of gen. func.: ogf

$$\frac{3 x^{3} - x^{2} - 2 x + 1}{(x - 1) (x^{2} + 2 x - 1)}$$

Sequence: A033543
Score: 10.2755
Type of gen. func.: lgdogf

$$- \frac{(3 x - 1) (1 + (6 x - 1)^{1/2} (-1 + 2 x)^{1/2})}{(-2 + 3 x) (-1 + 2 x)^{1/2} x (6 x - 1)^{1/2}}$$

Sequence: A033543
Score: 13.8055
Type of gen. func.: ogf

$$-3 f(x)^{2} x^{2} + 2 f(x)^{2} x - f(x) + 1$$

Sequence: A033543
Score: 3.97329
Type of gen. func.: ogf

$$\{(36 n + 72) a(n + 1) + (-48 n - 132) a(n + 2) + (19 n + 71) a(n + 3)$$
$$+ (-2 n - 10) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 16\}$$

Sequence: A033543
Score: 40.0746
Type of gen. func.: revogf

$$\frac{x (-1 + 2 x)}{3 x^{2} - 1}$$

Sequence: A033544
Score: 13.4120
Type of gen. func.: lgdogf

$$2 (3 x^{3} - 19 x^{2} + 29 x + 35)$$

$$- \frac{}{(x - 1) (2 x^{3} - 11 x^{2} + 16 x + 9)}$$

Sequence: A033544
Score: 3.64211
Type of gen. func.: ogf

$$\{(-19 n^{2} - 571 n - 1542) a(n + 1) + (-442 n^{2} - 3887 n - 8695) a(n + 2) + (461 n^{2} + 2058 n + 2272) a(n + 3), a(0) = 0, a(1) = 27, a(2) = 210\}$$

Sequence: A033544
Score: 7.00134
Type of gen. func.: ogf

$$\frac{3 x (2 x^{3} - 11 x^{2} + 16 x + 9)}{(x - 1)^{6}}$$

Sequence: A033547
Score: 11.2114
Type of gen. func.: ogf

$$\frac{2 (x^{2} - x + 1) x}{(x - 1)^{4}}$$

Sequence: A033547
Score: 24.6546
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{5} + x^{2} + x + 3$$

Sequence: A033547
Score: 25.8967
Type of gen. func.: lgdogf

2

$$-\frac{2x - x + 3}{(x - 1)(x^2 - x + 1)}$$

Sequence: A033547
Score: 4.17567
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-7 - 2 n) a(n + 3) + (3 + 2 n) a(n + 2)$$

$$+ (-n - 2) a(n + 1), a(0) = 0, a(1) = 2, a(2) = 6, a(3) = 14\}$$

Sequence: A033547
Score: 6.15363
Type of gen. func.: ogf

$$(5 f(x) + 2)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 2 x^3 - 4 f(x) x + 2 x^2 + f(x) - 2 x)$$

Sequence: A033550
Score: 3.43318
Type of gen. func.: ogf

$$\{(n + 3) a(n + 1) + (-4 n - 11) a(n + 2) + (4 n + 9) a(n + 3)$$

$$+ (-n - 2) a(n + 4), a(0) = 2, a(1) = 2, a(2) = 5, a(3) = 15\}$$

Sequence: A033550
Score: 4.78711
Type of gen. func.: ogf

$$(75 f(x) + 1129) ($$

$$f(x) x^4 - 5 f(x) x^3 + 8 f(x) x^2 + 4 x^3 - 5 f(x) x - 11 x^2 + f(x) + 8 x - 2)$$

Sequence: A033550
Score: 8.71499
Type of gen. func.: ogf

$$-\frac{4 x^3 - 11 x^2 + 8 x - 2}{}$$

$$(x^2 - 3 x + 1) (x - 1)^2$$

Sequence: A033550
Score: 8.88587
Type of gen. func.: lgdogf

$$-\frac{4 x^5 - 18 x^4 + 29 x^3 - 19 x^2 + 8 x - 2}{(x - 1) (x^2 - 3 x + 1) (4 x^3 - 11 x^2 + 8 x - 2)}$$

Sequence: A033562
Score: 13.4168
Type of gen. func.: lgdogf

$$-\frac{x^3 + 25 x^2 + 19 x + 3}{(x - 1) (x^3 + 11 x^2 - x + 1)}$$

Sequence: A033562
Score: 5.73916
Type of gen. func.: ogf

$(666 f(x) + 2609)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 11 x^2 + f(x) + x - 1)$$

Sequence: A033562
Score: 7.57577
Type of gen. func.: ogf

$$\frac{x^3 + 11 x^2 - x + 1}{(x - 1)^4}$$

Sequence: A033566
Score: 16.8510
Type of gen. func.: lgdogf

$$-\frac{5 x^2 + 34 x + 9}{(x - 1) (5 x^2 + 12 x - 1)}$$

Sequence: A033566
Score: 5.46431
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = -1, a(1) = 9, a(2) = 35}

Sequence: A033566
Score: 7.64562
Type of gen. func.: ogf

$$(13920 f(x) - 91549) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 5 x^2 - f(x) + 12 x - 1)$$

Sequence: A033566
Score: 9.95915
Type of gen. func.: ogf

$$-\frac{5 x^2 + 12 x - 1}{(x - 1)^3}$$

Sequence: A033567
Score: 14.3734
Type of gen. func.: ogf

$$-\frac{15 x^2 + 1}{(x - 1)^3}$$

Sequence: A033567
Score: 17.7360
Type of gen. func.: lgdogf

$$-\frac{3 (5 x^2 + 10 x + 1)}{}$$

$$(x - 1) (15 x^2 + 1)$$

Sequence: A033567
Score: 7.00554
Type of gen. func.: ogf

$$-(2336 f(x) - 11651) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 15 x^2 - f(x) + 1)$$

Sequence: A033567
Score: 7.37751
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 3, a(2) = 21\}$$

Sequence: A033568
Score: 13.3385
Type of gen. func.: ogf

$$- \frac{12 x^2 - x + 1}{(x - 1)^3}$$

Sequence: A033568
Score: 22.5464
Type of gen. func.: lgdogf

$$- \frac{2 (6 x^2 + 11 x + 1)}{(x - 1) (12 x^2 - x + 1)}$$

Sequence: A033568
Score: 6.8346
Type of gen. func.: ogf

$$(66096 f(x) - 248941) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 12 x^2 - f(x) - x + 1)$$

Sequence: A033568
Score: 7.31846
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 15\}$$

Sequence: A033569
Score: 13.2297
Type of gen. func.: ogf

$$-\frac{6 x^2 + 7 x - 1}{(x - 1)^3}$$

Sequence: A033569
Score: 16.1028
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^2 + 13 x + 2)}{(x - 1) (6 x^2 + 7 x - 1)}$$

Sequence: A033569
Score: 6.66952
Type of gen. func.: ogf

$$(111024 f(x) - 483041) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 6 x^2 - f(x) + 7 x - 1)$$

Sequence: A033569
Score: 7.14170
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = -1, a(1) = 4, a(2) = 21\}$$

Sequence: A033570
Score: 13.3545
Type of gen. func.: ogf

2

$$-\frac{2 x + 9 x + 1}{(x - 1)^{3}}$$

Sequence: A033570
Score: 22.8400
Type of gen. func.: lgdogf

$$-\frac{2 (x^{2} + 11 x + 6)}{(x - 1) (2 x^{2} + 9 x + 1)}$$

Sequence: A033570
Score: 6.67726
Type of gen. func.: ogf

$$(187056 f(x) - 1045991)$$

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 2 x^{2} - f(x) + 9 x + 1)$$

Sequence: A033570
Score: 7.14583
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 12, a(2) = 35\}$$

Sequence: A033571
Score: 16.3680
Type of gen. func.: lgdogf

$$-\frac{2 (9 + x) (2 x + 1)}{(x - 1) (4 x^{2} + 15 x + 1)}$$

Sequence: A033571
Score: 5.43815
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 18, a(2) = 55\}$$

Sequence: A033571
Score: 7.36148
Type of gen. func.: ogf

$$(1354800 f(x) - 12144037)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) + 15 x + 1)$$

Sequence: A033571
Score: 9.99918
Type of gen. func.: ogf

$$-\frac{4 x^2 + 15 x + 1}{(x - 1)^3}$$

Sequence: A033572
Score: 17.1673
Type of gen. func.: lgdogf

$$-\frac{6 (x^2 + 9 x + 4)}{(x - 1) (6 x^2 + 21 x + 1)}$$

Sequence: A033572
Score: 5.39540
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 24, a(2) = 75\}$$

Sequence: A033572
Score: 7.32036
Type of gen. func.: ogf

$$(1687952 f(x) - 20871857)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 6 x^2 - f(x) + 21 x + 1)$$

Sequence: A033572
Score: 9.92058
Type of gen. func.: ogf

$$-\frac{6x^2+21x+1}{(x-1)^3}$$

Sequence: A033573
Score: 15.1001
Type of gen. func.: lgdogf

$$-\frac{2(4x^2+35x+15)}{(x-1)(8x^2+27x+1)}$$

Sequence: A033573
Score: 5.28954
Type of gen. func.: ogf

$$\{a(n+3)-3a(n+2)+3a(n+1)-a(n),\ a(0)=1,\ a(1)=30,\ a(2)=95\}$$

Sequence: A033573
Score: 7.21743
Type of gen. func.: ogf

$$(2725488 f(x) - 42997213)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 8 x^2 - f(x) + 27 x + 1)$$

Sequence: A033573
Score: 9.72594
Type of gen. func.: ogf

$$-\frac{8x^2+27x+1}{(x-1)^3}$$

Sequence: A033574
Score: 14.7033
Type of gen. func.: lgdogf

$$-\frac{3\,(3\,x^2+26\,x+11)}{(x-1)\,(9\,x^2+30\,x+1)}$$

Sequence: A033574
Score: 5.10795
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 33, a(2) = 105}

Sequence: A033574
Score: 7.5504
Type of gen. func.: ogf

$$(13450\,f(x)-235147)\,(f(x)\,x^3-3\,f(x)\,x^2+3\,f(x)\,x+9\,x^2-f(x)+30\,x+1)$$

Sequence: A033574
Score: 9.47442
Type of gen. func.: ogf

$$-\frac{9\,x^2+30\,x+1}{(x-1)^3}$$

Sequence: A033575
Score: 14.4231
Type of gen. func.: lgdogf

$$-\frac{2\,(5\,x^2+43\,x+18)}{(x-1)\,(10\,x^2+33\,x+1)}$$

Sequence: A033575
Score: 4.61648
Type of gen. func.: ogf

$$(30114480 f(x) - 577922047)$$

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 10 x^{2} - f(x) + 33 x + 1)$$

Sequence: A033575
Score: 5.13835
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 36, a(2) = 115\}$$

Sequence: A033575
Score: 9.37952
Type of gen. func.: ogf

$$- \frac{10 x^{2} + 33 x + 1}{(x - 1)^{3}}$$

Sequence: A033576
Score: 14.8826
Type of gen. func.: lgdogf

$$- \frac{11 x^{2} + 94 x + 39}{(x - 1) (11 x^{2} + 36 x + 1)}$$

Sequence: A033576
Score: 4.71751
Type of gen. func.: ogf

$$(1327968 f(x) - 27753403)$$

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 11 x^{2} - f(x) + 36 x + 1)$$

Sequence: A033576
Score: 5.16876
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 39, a(2) = 125}

Sequence: A033576
Score: 9.43503
Type of gen. func.: ogf

$$-\frac{11 x^2 + 36 x + 1}{(x - 1)^3}$$

Sequence: A033577
Score: 13.2855
Type of gen. func.: ogf

$$-\frac{6 x^2 + 17 x + 1}{(x - 1)^3}$$

Sequence: A033577
Score: 20.7348
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^2 + 23 x + 10)}{(x - 1) (6 x^2 + 17 x + 1)}$$

Sequence: A033577
Score: 6.58962
Type of gen. func.: ogf

(2642112 f(x) - 26718715)

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 6 x^2 - f(x) + 17 x + 1)$$

Sequence: A033577
Score: 7.22546
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 20, a(2) = 63}

Sequence: A033578
Score: 13.0429
Type of gen. func.: ogf

$$-\frac{20 x^{2} + 3 x + 1}{(x - 1)^{3}}$$

Sequence: A033578
Score: 20.3491
Type of gen. func.: lgdogf

$$-\frac{2 (10 x^{2} + 23 x + 3)}{(x - 1) (20 x^{2} + 3 x + 1)}$$

Sequence: A033578
Score: 6.52144
Type of gen. func.: ogf

$(1287360 f(x) - 9554477)$

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 20 x^{2} - f(x) + 3 x + 1)$$

Sequence: A033578
Score: 7.15627
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 6, a(2) = 35\}$$

Sequence: A033579
Score: 14.5085
Type of gen. func.: ogf

$$-\frac{4 x (2 x + 1)}{(x - 1)^{3}}$$

Sequence: A033579
Score: 37.0682
Type of gen. func.: lgdogf

$$-\frac{5 + 4 x}{(2 x + 1) (x - 1)}$$

Sequence: A033579
Score: 7.25427
Type of gen. func.: ogf

$$-(27 f(x) - 104) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 8 x^2 - f(x) + 4 x)$$

Sequence: A033579
Score: 7.38380
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 4, a(2) = 20\}$$

Sequence: A033580
Score: 10.6427
Type of gen. func.: ogf

$$-\frac{4 x (x + 2)}{(x - 1)^3}$$

Sequence: A033580
Score: 29.7901
Type of gen. func.: lgdogf

$$-\frac{2 x + 7}{(x + 2) (x - 1)}$$

Sequence: A033580
Score: 5.41638
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 8, a(2) = 28\}$$

Sequence: A033580
Score: 7.32144
Type of gen. func.: ogf

$$-(81 f(x) - 380) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) + 8 x)$$

Sequence: A033581
Score: 14.0913
Type of gen. func.: ogf

$$- \frac{6 x (x + 1)}{(x - 1)^3}$$

Sequence: A033581
Score: 38.0221
Type of gen. func.: ogf_with_Euler_transform]

$$[4 - x]$$

Sequence: A033581
Score: 39.5893
Type of gen. func.: lgdogf

$$- \frac{2 (x + 2)}{(x - 1) (x + 1)}$$

Sequence: A033581
Score: 7.17147
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 6, a(2) = 24\}$$

Sequence: A033581
Score: 7.5066
Type of gen. func.: ogf

```
                           3           2                 2
       (2 f(x) + 3) (f(x) x  - 3 f(x) x  + 3 f(x) x + 6 x  - f(x) + 6 x)



------------------------------------------------------------------------------

Sequence:  A033582
Score: 10.7061
Type of gen. func.: ogf

                                   7 x (x + 1)
                                 - -----------
                                           3
                                    (x - 1)



------------------------------------------------------------------------------

Sequence:  A033582
Score: 28.8388
Type of gen. func.: ogf_with_Euler_transform]

                                    [4 - x]



------------------------------------------------------------------------------

Sequence:  A033582
Score: 29.9706
Type of gen. func.: lgdogf

                                    2 (x + 2)
                               - ---------------
                                 (x - 1) (x + 1)



------------------------------------------------------------------------------

Sequence:  A033582
Score: 5.44862
Type of gen. func.: ogf

   {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 7, a(2) = 28}



------------------------------------------------------------------------------

Sequence:  A033582
Score: 7.94354
Type of gen. func.: ogf

                           3           2                 2
       (4 f(x) + 7) (f(x) x  - 3 f(x) x  + 3 f(x) x + 7 x  - f(x) + 7 x)



------------------------------------------------------------------------------

Sequence:  A033583
Score: 13.1135
```

Type of gen. func.: ogf

$$-\frac{10\,x\,(x+1)}{(x-1)^{3}}$$

Sequence: A033583
Score: 36.6052
Type of gen. func.: ogf_with_Euler_transform]

[4 - x]

Sequence: A033583
Score: 38.1242
Type of gen. func.: lgdogf

$$-\frac{2\,(x+2)}{(x-1)\,(x+1)}$$

Sequence: A033583
Score: 6.84688
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 0,\ a(1) = 10,\ a(2) = 40\}$$

Sequence: A033583
Score: 7.09814
Type of gen. func.: ogf

$$(2\,f(x) + 5)\,(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x + 10\,x^{2} - f(x) + 10\,x)$$

Sequence: A033584
Score: 10.0032
Type of gen. func.: ogf

$$-\frac{11\,x\,(x+1)}{(x-1)^{3}}$$

```
------------------------------------------------------------------------------

Sequence:  A033584
Score: 27.8750
Type of gen. func.: ogf_with_Euler_transform]

                                    [4 - x]



------------------------------------------------------------------------------

Sequence:  A033584
Score: 28.9761
Type of gen. func.: lgdogf

                                    2 (x + 2)
                               - ---------------
                                 (x - 1) (x + 1)



------------------------------------------------------------------------------

Sequence:  A033584
Score: 5.22290
Type of gen. func.: ogf

  {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 11, a(2) = 44}



------------------------------------------------------------------------------

Sequence:  A033584
Score: 5.36534
Type of gen. func.: ogf

                           3           2                  2
      (4 f(x) + 11) (f(x) x  - 3 f(x) x  + 3 f(x) x + 11 x  - f(x) + 11 x)



------------------------------------------------------------------------------

Sequence:  A033585
Score: 10.6460
Type of gen. func.: ogf

                                  2 x (3 x + 5)
                                - -------------
                                           3
                                    (x - 1)



------------------------------------------------------------------------------

Sequence:  A033585
Score: 27.5743
Type of gen. func.: lgdogf

                                    6 (x + 3)
                              - -----------------
                                (3 x + 5) (x - 1)
```

Sequence: A033585
Score: 5.46431
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 10, a(2) = 36\}$$

Sequence: A033585
Score: 7.24921
Type of gen. func.: ogf

$$(1952 f(x) - 11739) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 6 x^2 - f(x) + 10 x)$$

Sequence: A033586
Score: 13.4884
Type of gen. func.: ogf

$$- \frac{4 x (x + 3)}{(x - 1)^3}$$

Sequence: A033586
Score: 38.5523
Type of gen. func.: lgdogf

$$- \frac{2 (5 + x)}{(x + 3) (x - 1)}$$

Sequence: A033586
Score: 6.92327
Type of gen. func.: ogf

$$(492 f(x) - 3367) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) + 12 x)$$

Sequence: A033586
Score: 6.92327
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 0,\ a(1) = 12,\ a(2) = 40\}$$

Sequence: A033587
Score: 14.0276
Type of gen. func.: ogf

$$-\frac{2\,x\,(x+7)}{(x-1)^3}$$

Sequence: A033587
Score: 38.2023
Type of gen. func.: lgdogf

$$-\frac{2\,(x+11)}{(x+7)\,(x-1)}$$

Sequence: A033587
Score: 6.95385
Type of gen. func.: ogf

$$(18016\,f(x) - 144495)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 2\,x^2 - f(x) + 14\,x)$$

Sequence: A033587
Score: 7.20001
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 0,\ a(1) = 14,\ a(2) = 44\}$$

Sequence: A033588
Score: 3.68771
Type of gen. func.: ogf

$$-\frac{2\,x\,(5\,x+3)}{(x-1)^3}$$

Sequence: A033588
Score: 8.20865
Type of gen. func.: lgdogf

$$-\frac{2\,(5\,x+7)}{(5\,x+3)\,(x-1)}$$

Sequence: A033589
Score: 10.6008
Type of gen. func.: lgdogf

$$-\frac{6\,(10\,x^{3}+55\,x^{2}+30\,x+1)}{(x-1)\,(60\,x^{3}+75\,x^{2}+10\,x-1)}$$

Sequence: A033589
Score: 3.66379
Type of gen. func.: ogf

$$(1189704672\,f(x)+37374313051)\,(f(x)\,x^{4}-4\,f(x)\,x^{3}+6\,f(x)\,x^{2}-60\,x^{3}$$
$$-4\,f(x)\,x-75\,x^{2}+f(x)-10\,x+1)$$

Sequence: A033589
Score: 7.28179
Type of gen. func.: ogf

$$\frac{60\,x^{3}+75\,x^{2}+10\,x-1}{(x-1)^{4}}$$

Sequence: A033590
Score: 5.39960
Type of gen. func.: ogf

$$-\frac{360\,x^{4}+1665\,x^{3}+835\,x^{2}+19\,x+1}{(x-1)^{5}}$$

Sequence: A033590
Score: 7.15061
Type of gen. func.: lgdogf

$$-\frac{6 (60 x^{4} + 795 x^{3} + 1250 x^{2} + 291 x + 4)}{(x - 1) (360 x^{4} + 1665 x^{3} + 835 x^{2} + 19 x + 1)}$$

Sequence: A033591
Score: 11.2904
Type of gen. func.: lgdogf

$$-\frac{6 (x^{3} + 30 x^{2} + 55 x + 10)}{(x - 1) (6 x^{3} + 81 x^{2} + 56 x + 1)}$$

Sequence: A033591
Score: 3.61519
Type of gen. func.: ogf

$$-(3090796704 f(x) + 157925888621) (f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 6 x^{3} - 4 f(x) x - 81 x^{2} + f(x) - 56 x - 1)$$

Sequence: A033591
Score: 7.45922
Type of gen. func.: ogf

$$\frac{6 x^{3} + 81 x^{2} + 56 x + 1}{(x - 1)^{4}}$$

Sequence: A033592
Score: 7.32306
Type of gen. func.: ogf

$$-\frac{24 x^{4} + 825 x^{3} + 1675 x^{2} + 355 x + 1}{}$$

$$(x-1)^5$$

Sequence: A033592
Score: 9.74745
Type of gen. func.: lgdogf

$$-\frac{6\,(4\,x^4+291\,x^3+1250\,x^2+795\,x+60)}{(x-1)\,(24\,x^4+825\,x^3+1675\,x^2+355\,x+1)}$$

Sequence: A033593
Score: 5.54845
Type of gen. func.: ogf

$$-\frac{120\,x^4+345\,x^3+115\,x^2-5\,x+1}{(x-1)^5}$$

Sequence: A033593
Score: 8.47106
Type of gen. func.: lgdogf

$$-\frac{30\,x\,(4\,x^3+39\,x^2+46\,x+7)}{(x-1)\,(120\,x^4+345\,x^3+115\,x^2-5\,x+1)}$$

Sequence: A033594
Score: 12.8835
Type of gen. func.: lgdogf

$$-\frac{6\,x\,(4\,x^2+15\,x+5)}{(x-1)\,(24\,x^3+9\,x^2+4\,x-1)}$$

Sequence: A033594
Score: 4.02398
Type of gen. func.: ogf

$$(985608 f(x) + 7345433) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 24 x^3 - 4 f(x) x - 9 x^2 + f(x) - 4 x + 1)$$

Sequence: A033594
Score: 7.68683
Type of gen. func.: ogf

$$\frac{24 x^3 + 9 x^2 + 4 x - 1}{(x - 1)^4}$$

Sequence: A033595
Score: 12.1796
Type of gen. func.: lgdogf

$$- \frac{6 x (7 x^2 + 26 x + 7)}{(x - 1) (21 x^3 + 31 x^2 - 5 x + 1)}$$

Sequence: A033595
Score: 6.54543
Type of gen. func.: ogf

$$- \frac{21 x^3 + 31 x^2 - 5 x + 1}{(x - 1)^5}$$

Sequence: A033596
Score: 13.5238
Type of gen. func.: lgdogf

$$- \frac{2 x (x^2 + 18 x + 1)}{(x - 1) (x^3 + 11 x^2 - 5 x + 1)}$$

Sequence: A033596

Score: 4.44421
Type of gen. func.: ogf

$$\{(-3 n^2 - 22 n - 39) a(n + 1) + (16 n^2 + 104 n + 144) a(n + 2)$$
$$+ (-13 n^2 - 42 n - 9) a(n + 3), a(0) = 3, a(1) = 0, a(2) = 3\}$$

Sequence: A033596
Score: 9.08816
Type of gen. func.: ogf

$$- \frac{3 (x^3 + 11 x^2 - 5 x + 1)}{(x - 1)^5}$$

Sequence: A033598
Score: 5.93444
Type of gen. func.: ogf

$$- \frac{(x^4 - x^3 + 3 x^2 - x + 1) (x + 1)^3}{(x^2 + 1) (x^2 + x + 1) (x - 1)^3}$$

Sequence: A033598
Score: 7.51340
Type of gen. func.: lgdogf

$$- \frac{4 x^8 + 2 x^7 + 25 x^6 + 4 x^5 + 38 x^4 + 4 x^3 + 25 x^2 + 2 x + 4}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1) (x^4 - x^3 + 3 x^2 - x + 1)}$$

Sequence: A033619
Score: 7.96568
Type of gen. func.: ogf

$$- x (x^{97} + 2 x^{96} - 25890 x^5 + 3237 x^4 - 404 x^3 + 51 x^2 - 6 x + 1) / (3 x^{97}$$
$$- 2 x^{96} + 25890 x^7 - 55017 x^6 + 32768 x^5 - 4096 x^4 + 512 x^3 - 64 x^2 + 8 x$$

- 1)

Sequence: A033622
Score: 5.74488
Type of gen. func.: lgdogf

$$-\frac{64 x^{8} + 32 x^{7} - 160 x^{6} - 96 x^{5} + 68 x^{4} + 108 x^{3} + 8 x^{2} - 28 x - 5}{(x - 1) (2 x + 1) (-1 + 2 x) (2 x^{2} - 1) (8 x^{4} + 2 x^{3} - 8 x^{2} - 4 x - 1)}$$

Sequence: A033622
Score: 7.49727
Type of gen. func.: ogf

$$\frac{8 x^{4} + 2 x^{3} - 8 x^{2} - 4 x - 1}{(x - 1) (2 x + 1) (-1 + 2 x) (2 x^{2} - 1)}$$

Sequence: A033626
Score: 3.50437
Type of gen. func.: ogf

$$(32 x^{7} - 32 x^{6} - 120 x^{5} - 245333071 x^{4} + 142 x^{3} + 490666264 x^{2} - 54 x - 245333159) / ((x - 1)^{3} (x + 1)^{3})$$

Sequence: A033627
Score: 14.7253
Type of gen. func.: ogf

$$\frac{x^{3} + x^{2} + 1}{(x - 1)^{2}}$$

Sequence: A033627
Score: 22.8601
Type of gen. func.: lgdogf

$$\frac{x^3 - 3x^2 - 2x - 2}{(x - 1)(x^3 + x^2 + 1)}$$

Sequence: A033627
Score: 7.36263
Type of gen. func.: ogf

$$\{-a(n + 4) + 2 a(n + 3) - a(n + 2), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 7\}$$

Sequence: A033627
Score: 8.653
Type of gen. func.: ogf

$$(3 f(x) - 1) (f(x) x^2 - x^3 - 2 f(x) x - x^2 + f(x) - 1)$$

Sequence: A033638
Score: 14.2380
Type of gen. func.: ogf

$$- \frac{x^3 - x + 1}{(x + 1)(x - 1)^3}$$

Sequence: A033638
Score: 21.3051
Type of gen. func.: lgdogf

$$- \frac{x^4 + 2x^3 + 2x + 1}{(x - 1)(x + 1)(x^3 - x + 1)}$$

Sequence: A033638
Score: 7.82446
Type of gen. func.: ogf

$$(4 f(x) - 1) (f(x) x^4 - 2 f(x) x^3 + x^3 + 2 f(x) x - f(x) - x + 1)$$

Sequence: A033662
Score: 12.9918
Type of gen. func.: ogf

$$-\frac{x^5 + 2x^3 + x^2 - x - 4}{(x - 1)^2}$$

Sequence: A033662
Score: 15.9898
Type of gen. func.: lgdogf

$$\frac{3x^5 - 5x^4 + 2x^3 - 6x^2 - x + 9}{(x - 1)(x^5 + 2x^3 + x^2 - x - 4)}$$

Sequence: A033685
Score: 10.7554
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^5 - x^2}{x^6 + x^3 + 1}$$

Sequence: A033686
Score: 19.7848
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4x - 2}{x^2 + x + 1}$$

Sequence: A033687
Score: 17.4423
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x - 1}{}$$

$$x^2 + x + 1$$

Sequence: A033690
Score: 16.7523
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-8 x - 4}{x^2 + x + 1}$$

Sequence: A033691
Score: 11.1952
Type of gen. func.: lgdogf

$$-\frac{x^8 - 2 x^7 + x^6 + 3 x^4 + 5 x^2 + 2 x + 2}{(x - 1) (x + 1) (x^2 + 1) (x^5 - 2 x^4 + x^3 + 1)}$$

Sequence: A033691
Score: 9.23436
Type of gen. func.: ogf

$$-\frac{4 (x^5 - 2 x^4 + x^3 + 1)}{(x^2 + 1) (x + 1) (x - 1)^3}$$

Sequence: A033713
Score: 10.0296
Type of gen. func.: ogf

$$-\frac{9 x}{(x - 1) (10 x - 1)^2}$$

Sequence: A033713
Score: 18.2585
Type of gen. func.: lgdogf

$$3 (-7 + 10 x)$$

```
                                 - ------------------
                                   (10 x - 1) (x - 1)
```

Sequence: A033713
Score: 4.24981
Type of gen. func.: ogf

```
{a(n + 3) - 21 a(n + 2) + 120 a(n + 1) - 100 a(n), a(0) = 0, a(1) = 9,

    a(2) = 189}
```

Sequence: A033713
Score: 4.82191
Type of gen. func.: ogf

```
                                  3              2
       (7 f(x) + 3) (100 f(x) x  - 120 f(x) x  + 21 f(x) x - f(x) + 9 x)
```

Sequence: A033714
Score: 10.5068
Type of gen. func.: ogf

```
                                        2
                                   100 x  - 11 x + 1
                                - -------------------
                                                     2
                                  (x - 1) (10 x - 1)
```

Sequence: A033714
Score: 5.99146
Type of gen. func.: ogf

```
(53 f(x) - 37)

                 3              2                          2
    (100 f(x) x  - 120 f(x) x  + 21 f(x) x + 100 x  - f(x) - 11 x + 1)
```

Sequence: A033714
Score: 6.04139
Type of gen. func.: ogf

```
{a(n + 3) - 21 a(n + 2) + 120 a(n + 1) - 100 a(n), a(0) = 1, a(1) = 10,

    a(2) = 190}
```

Sequence: A033714
Score: 8.40359
Type of gen. func.: lgdogf

$$-\frac{10\,(100\,x^{3}-12\,x^{2}-6\,x-1)}{(x-1)\,(10\,x-1)\,(100\,x^{2}-11\,x+1)}$$

Sequence: A033715
Score: 6.41732
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2\,x^{6}+x^{4}-x^{3}+3\,x^{2}+x+2}{-x^{7}-x^{6}-x^{5}-x^{4}-x^{3}-x^{2}-x-1}$$

Sequence: A033716
Score: 5.96290
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2\,x^{8}-2\,x^{7}+3\,x^{6}-2\,x^{5}-x^{4}+x^{3}+4\,x^{2}-3\,x+2}{-x^{9}-x^{6}-x^{3}-1}$$

Sequence: A033718
Score: 4.98021
Type of gen. func.: ogf_with_Euler_transform]

$$-(-2\,x^{14}+2\,x^{13}-3\,x^{12}+2\,x^{11}-x^{10}+2\,x^{9}-x^{8}-x^{7}+x^{6}+x^{5}-4\,x^{4}+x^{3}-2\,x^{2}+3\,x-2)\Big/(x^{15}+x^{10}+x^{5}+1)$$

Sequence: A033741
Score: 3.30287
Type of gen. func.: ogf_with_Euler_transform]

$$-7\,x^{31}-x^{30}-10\,x^{29}-4\,x^{28}-2\,x^{2}+2\,x-4$$

```
- ------------------------------------------------------
     32       31       30       29       3       2
  3 x   + 3 x   + 3 x   + 3 x   + 2 x  + 2 x  + 2 x + 2
```

Sequence: A033743
Score: 3.30287
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{7x^{33}+x^{32}+10x^{31}+4x^{30}+2x^{2}-2x+4}{-3x^{34}-3x^{33}-3x^{32}-3x^{31}-2x^{3}-2x^{2}-2x-2}$$

Sequence: A033761
Score: 13.8570
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^{2}+x+1}{-x^{3}-x^{2}-x-1}$$

Sequence: A033762
Score: 11.8177
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^{2}-x+1}{-x^{3}-1}$$

Sequence: A033763
Score: 6.48554
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3x^{6}-2x^{5}-2x^{4}-x^{3}-2x^{2}-x-1}{x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1}$$

Sequence: A033764
Score: 11.1465
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^4 - x^3 + x^2 - x + 1}{-x^5 - 1}$$

Sequence: A033765
Score: 8.29928
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4x^8 - x^7 + 2x^5 + x^4 - x^3 + 2x^2 + 1}{-x^9 - x^6 - x^3 - 1}$$

Sequence: A033768
Score: 6.49168
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3x^8 - x^7 + x^6 - 2x^5 + x^4 - x^3 + 2x^2 - x + 1}{-x^9 - 1}$$

Sequence: A033770
Score: 4.89309
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^{10} - x^9 + x^8 - x^7 + x^6 - x^5 + x^4 - x^3 + x^2 - x + 1}{-x^{11} - 1}$$

Sequence: A033772
Score: 4.16371
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^{12} - x^{11} + x^{10} - x^9 + x^8 - x^7 + x^6 - x^5 + x^4 - x^3 + x^2 - x + 1}{-x^{13} - 1}$$

Sequence: A033774
Score: 5.38393
Type of gen. func.: ogf_with_Euler_transform]

$$-\left(-4 x^{14} + x^{13} - x^{12} + 2 x^{11} - x^{10} + 2 x^{9} - 2 x^{8} + x^{7} - x^{6} + 2 x^{5} - 2 x^{4} + x^{3} - 2 x^{2} + x - 1\right) / \left(x^{15} + 1\right)$$

Sequence: A033776
Score: 3.76043
Type of gen. func.: ogf_with_Euler_transform]

$$-\left(2 x^{16} - x^{15} + x^{14} - x^{13} + x^{12} - x^{11} + x^{10} - x^{9} + x^{8} - x^{7} + x^{6} - x^{5} + x^{4} - x^{3} + x^{2} - x + 1\right) / \left(-x^{17} - 1\right)$$

Sequence: A033811
Score: 12.9246
Type of gen. func.: lgdogf

$$-\frac{3 x^{3} + 13 x^{2} + 2 x - 10}{(x - 1) (x + 3) (x^{2} + x - 1)}$$

Sequence: A033811
Score: 4.65007
Type of gen. func.: ogf

$$(24280 f(x) + 4951) (f(x) x^{4} - f(x) x^{3} - 2 f(x) x^{2} + 3 f(x) x - f(x) + x + 3)$$

Sequence: A033811
Score: 9.75754
Type of gen. func.: ogf

$$-\frac{x + 3}{(x^{2} + x - 1) (x - 1)^{2}}$$

Sequence: A033813
Score: 10.0921
Type of gen. func.: ogf

$$-\frac{3x+4}{(x^2+x-1)(x-1)^2}$$

Sequence: A033813
Score: 4.73551
Type of gen. func.: ogf

$$(652750 f(x) + 83437)$$

$$(f(x) x^4 - f(x) x^3 - 2 f(x) x^2 + 3 f(x) x - f(x) + 3 x + 4)$$

Sequence: A033814
Score: 10.4266
Type of gen. func.: ogf

$$-\frac{4x+7}{(x^2+x-1)(x-1)^2}$$

Sequence: A033814
Score: 12.9671
Type of gen. func.: lgdogf

$$-\frac{12 x^3 + 32 x^2 + 3 x - 25}{(x-1)(4x+7)(x^2+x-1)}$$

Sequence: A033814
Score: 5.77505
Type of gen. func.: ogf

$$-(10522545 f(x) - 3813166)$$

$$(f(x) x^4 - f(x) x^3 - 2 f(x) x^2 + 3 f(x) x - f(x) + 4 x + 7)$$

Sequence: A033816
Score: 13.4540
Type of gen. func.: ogf

$$-\frac{2 x^2 - x + 3}{(x - 1)^3}$$

Sequence: A033816
Score: 26.8403
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + x + 4)}{(x - 1) (2 x^2 - x + 3)}$$

Sequence: A033816
Score: 7.01448
Type of gen. func.: ogf

$$(2864 f(x) - 1977) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x) - x + 3)$$

Sequence: A033816
Score: 7.26278
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3, a(1) = 8, a(2) = 17\}$$

Sequence: A033817
Score: 6.58323
Type of gen. func.: ogf

$$(4440 f(x) - 207179)$$

$$(f(x) x^4 - f(x) x^3 - 2 f(x) x^2 + 3 f(x) x - f(x) - 11 x + 7)$$

Sequence: A033817

Score: 7.95442
Type of gen. func.: ogf

$$\frac{11 x - 7}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A033817
Score: 9.59138
Type of gen. func.: lgdogf

$$-\frac{33 x^3 - 17 x^2 - 18 x + 10}{(x - 1) (11 x - 7) (x^2 + x - 1)}$$

Sequence: A033818
Score: 10.9430
Type of gen. func.: lgdogf

$$-\frac{12 x^3 - 8 x^2 - 7 x + 5}{(x - 1) (4 x - 3) (x^2 + x - 1)}$$

Sequence: A033818
Score: 7.00311
Type of gen. func.: ogf

$$-(25 f(x) + 866) (f(x) x^4 - f(x) x^3 - 2 f(x) x^2 + 3 f(x) x - f(x) - 4 x + 3)$$

Sequence: A033818
Score: 8.47511
Type of gen. func.: ogf

$$\frac{4 x - 3}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A033876
Score: 14.5153

Type of gen. func.: revogf

$$\frac{((2x+1)^{(1/3)}-1)((2x+1)^{(1/3)}+1)}{4(2x+1)^{2/3}}$$

Sequence: A033876
Score: 4.62832
Type of gen. func.: ogf

$$-64 f(x)^2 x^4 + 48 f(x)^2 x^3 - 12 f(x)^2 x^2 - 64 f(x) x^3 + f(x)^2 x + 48 f(x) x^2 - 12 f(x) x - 16 x^2 + f(x) + 12 x - 3$$

Sequence: A033876
Score: 7.37913
Type of gen. func.: ogf

$$\{(4 n + 14) a(n + 1) + (-n - 3) a(n + 2), a(0) = 3, a(1) = 15\}$$

Sequence: A033886
Score: 11.482
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A033887
Score: 13.8701
Type of gen. func.: revogf

$$\frac{-1 - 4x + (20x^2 + 4x + 1)^{1/2}}{2(x - 1)}$$

Sequence: A033887
Score: 17.5937
Type of gen. func.: ogf

$$x - 1$$

$$\overline{\;x^{2} + 4 x - 1\;}$$

Sequence: A033887
Score: 18.0311
Type of gen. func.: lgdogf

$$-\frac{(x + 1) (-3 + x)}{(x - 1) (x^{2} + 4 x - 1)}$$

Sequence: A033887
Score: 8.79686
Type of gen. func.: ogf

$$-(14 f(x) - 5) (f(x) x^{2} + 4 f(x) x - f(x) - x + 1)$$

Sequence: A033887
Score: 9.65510
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A033888
Score: 10.2796
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) + a(n), a(0) = 0, a(1) = 3\}$$

Sequence: A033888
Score: 14.1127
Type of gen. func.: ogf

$$-f(x) x^{2} + 7 f(x) x - f(x) + 3 x$$

Sequence: A033888
Score: 16.1395
Type of gen. func.: revogf

$$-\frac{-3 - 7x + (5x+3)^{1/2} (1+3x)^{1/2} 3^{1/2}}{2x}$$

Sequence: A033888
Score: 22.5040
Type of gen. func.: ogf

$$\frac{3x}{x^2 - 7x + 1}$$

Sequence: A033888
Score: 39.1959
Type of gen. func.: lgdogf

$$-\frac{-7 + 2x}{x^2 - 7x + 1}$$

Sequence: A033889
Score: 17.2104
Type of gen. func.: ogf

$$-\frac{-1 + 2x}{x^2 - 7x + 1}$$

Sequence: A033889
Score: 19.0481
Type of gen. func.: revogf

$$-\frac{-1 - 7x + (45x^2 + 6x + 1)^{1/2}}{2(x+2)}$$

Sequence: A033889
Score: 21.7693
Type of gen. func.: lgdogf

$$-\frac{2x^2 - 2x + 5}{(-1 + 2x)(x^2 - 7x + 1)}$$

Sequence: A033889
Score: 8.60519
Type of gen. func.: ogf

$$-(33 f(x) - 8)(f(x) x^2 - 7 f(x) x + f(x) + 2x - 1)$$

Sequence: A033889
Score: 9.44471
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) + a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A033890
Score: 15.7986
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - 7x + 1}$$

Sequence: A033890
Score: 15.8767
Type of gen. func.: revogf

$$-\frac{-1 - 7x + ((1 + 3x)(1 + 15x))^{1/2}}{2(x - 1)}$$

Sequence: A033890
Score: 23.2858
Type of gen. func.: lgdogf

$$-\frac{(x + 4)(-2 + x)}{(x + 1)(x^2 - 7x + 1)}$$

Sequence: A033890
Score: 8.26674
Type of gen. func.: ogf

$$(27 f(x) + 5) (f(x) x^2 - 7 f(x) x + f(x) - x - 1)$$

Sequence: A033890
Score: 8.66999
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) - a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A033891
Score: 11.7123
Type of gen. func.: ogf

$$-\frac{-2 + x}{x^2 - 7 x + 1}$$

Sequence: A033891
Score: 12.5677
Type of gen. func.: revogf

$$-\frac{-2 - 7 x + (45 x^2 + 24 x + 4)^{1/2}}{2 (x + 1)}$$

Sequence: A033891
Score: 16.1024
Type of gen. func.: lgdogf

$$-\frac{x^2 - 4 x + 13}{(-2 + x) (x^2 - 7 x + 1)}$$

Sequence: A033891
Score: 5.85616
Type of gen. func.: ogf

$$-(87 f(x) - 5) (f(x) x^2 - 7 f(x) x + f(x) + x - 2)$$

Sequence: A033891
Score: 6.35006
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) + a(n), a(0) = 2, a(1) = 13\}$$

Sequence: A033930
Score: 7.05144
Type of gen. func.: ogf

$$\frac{x^{11} - 9 x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + 1}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A033931
Score: 10.1571
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^5 + 5 x^4 + 20 x^3 + 10 x^2 + 10 x + 1)}{(x - 1) (x + 1) (x^4 + 2 x^3 + 6 x^2 + 2 x + 1)}$$

Sequence: A033931
Score: 5.56044
Type of gen. func.: ogf

$$\{(n^2 + 11 n + 30) a(n + 1) + (-n^2 - 5 n - 6) a(n + 3), a(0) = 6, a(1) = 12, a(2) = 60\}$$

Sequence: A033931
Score: 8.21978
Type of gen. func.: ogf

$$\frac{6 (x^4 + 2 x^3 + 6 x^2 + 2 x + 1)}{(x - 1)^4 (x + 1)^4}$$

Sequence: A033934
Score: 4.83865
Type of gen. func.: ogf

$$(3224529 f(x) - 1210304)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 1210 x^2 - f(x) - 323 x + 4)$$

Sequence: A033934
Score: 5.22267
Type of gen. func.: ogf

$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 4, a(1) = 121,$

$a(2) = 10201\}$

Sequence: A033934
Score: 8.89265
Type of gen. func.: ogf

$$-\frac{1210 x^2 - 323 x + 4}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A033937
Score: 10.0768
Type of gen. func.: ogf

$$-\frac{x + 2}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A033937
Score: 14.6573
Type of gen. func.: lgdogf

$$-\frac{3x^3+9x^2+x-7}{(x+2)(x-1)(x^2+x-1)}$$

Sequence: A033937
Score: 4.72834
Type of gen. func.: ogf

$$-(4398 f(x) - 457)(f(x) x^4 - f(x) x^3 - 2 f(x) x^2 + 3 f(x) x - f(x) + x + 2)$$

Sequence: A033940
Score: 12.2998
Type of gen. func.: lgdogf

$$-\frac{5x^6-2x^5+7x^4-10x^3+13x^2-2x+3}{(x-1)(x+1)(x^2-x+1)(5x^3-x^2+2x+1)}$$

Sequence: A033940
Score: 14.5310
Type of gen. func.: ogf

$$-\frac{5x^3-x^2+2x+1}{(x-1)(x+1)(x^2-x+1)}$$

Sequence: A033940
Score: 8.15154
Type of gen. func.: ogf

$$-(f(x) - 2)(f(x) x^4 - f(x) x^3 + 5 x^3 + f(x) x - x^2 - f(x) + 2 x + 1)$$

Sequence: A033951
Score: 13.1806
Type of gen. func.: ogf

$$2x^2+5x+1$$

$$-\frac{\quad}{(x-1)^{3}}$$

Sequence: A033951
Score: 23.1971
Type of gen. func.: lgdogf

$$-\frac{2\,(x^{2}+7\,x+4)}{(x-1)\,(2\,x^{2}+5\,x+1)}$$

Sequence: A033951
Score: 6.70012
Type of gen. func.: ogf

$$(35008\,f(x)-114703)\,(f(x)\,x^{3}-3\,f(x)\,x^{2}+3\,f(x)\,x+2\,x^{2}-f(x)+5\,x+1)$$

Sequence: A033951
Score: 7.11517
Type of gen. func.: ogf

$$\{a(n+3)-3\,a(n+2)+3\,a(n+1)-a(n),\ a(0)=1,\ a(1)=8,\ a(2)=23\}$$

Sequence: A033954
Score: 14.0384
Type of gen. func.: ogf

$$-\frac{x\,(x+7)}{(x-1)^{3}}$$

Sequence: A033954
Score: 37.5571
Type of gen. func.: lgdogf

$$-\frac{2\,(x+11)}{(x+7)\,(x-1)}$$

Sequence: A033954
Score: 6.89816
Type of gen. func.: ogf

$$(36032 f(x) - 144495) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + x^{2} - f(x) + 7 x)$$

Sequence: A033954
Score: 7.14452
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 7, a(2) = 22\}$$

Sequence: A033960
Score: 10.4709
Type of gen. func.: ogf

$$- \frac{3 + 2 x}{(x^{2} + x - 1) (x - 1)^{2}}$$

Sequence: A033960
Score: 13.8886
Type of gen. func.: lgdogf

$$- \frac{6 x^{3} + 14 x^{2} + x - 11}{(x - 1) (3 + 2 x) (x^{2} + x - 1)}$$

Sequence: A033960
Score: 4.99001
Type of gen. func.: ogf

$$(89845 f(x) - 5428) (f(x) x^{4} - f(x) x^{3} - 2 f(x) x^{2} + 3 f(x) x - f(x) + 2 x + 3)$$

Sequence: A033991
Score: 14.3874
Type of gen. func.: ogf

$$-\frac{x (5 x + 3)}{(x - 1)^3}$$

Sequence: A033991
Score: 33.6888
Type of gen. func.: lgdogf

$$-\frac{2 (5 x + 7)}{(5 x + 3) (x - 1)}$$

Sequence: A033991
Score: 7.25736
Type of gen. func.: ogf

$$(2880 f(x) - 7469) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 5 x^2 - f(x) + 3 x)$$

Sequence: A033991
Score: 7.32216
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 3, a(2) = 14\}$$

Sequence: A033994
Score: 12.4575
Type of gen. func.: ogf

$$\frac{3 x + 2}{(x - 1)^4}$$

Sequence: A033994
Score: 32.3980
Type of gen. func.: lgdogf

$$-\frac{11 + 9 x}{(3 x + 2) (x - 1)}$$

Sequence: A033994
Score: 4.96673
Type of gen. func.: ogf

$$\{(-2 n - 6) a(n + 3) + (9 - n) a(n + 2) + (12 + 3 n) a(n + 1), a(0) = 2, a(1) = 11, a(2) = 32\}$$

Sequence: A033994
Score: 5.84546
Type of gen. func.: ogf

$$(98875 f(x) + 337574) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + f(x) - 3 x - 2)$$

Sequence: A033996
Score: 10.392
Type of gen. func.: ogf

$$f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 8 x$$

Sequence: A033996
Score: 17.7819
Type of gen. func.: ogf

$$- \frac{8 x}{(x - 1)^3}$$

Sequence: A033996
Score: 7.14452
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 8, a(2) = 24\}$$

Sequence: A033996
Score: 98.5875
Type of gen. func.: lgdogf

```
- -----
  x - 1
```

Sequence: A033999
Score: 123.999
Type of gen. func.: lgdogf

$$-\frac{1}{x + 1}$$

Sequence: A033999
Score: 123.999
Type of gen. func.: revogf

$$-\frac{x}{x - 1}$$

Sequence: A033999
Score: 15.6239
Type of gen. func.: ogf

$$\{-a(n + 1) - a(n), a(0) = 1\}$$

Sequence: A033999
Score: 19.8157
Type of gen. func.: ogf

$$f(x) x + f(x) - 1$$

Sequence: A033999
Score: 32.4978
Type of gen. func.: ogf

$$\frac{1}{x + 1}$$

Sequence: A033999
Score: 38.5904
Type of gen. func.: ogf_with_Euler_transform]

$$[x - 1]$$

Sequence: A034000
Score: 10.0212
Type of gen. func.: revegf]

$$\frac{-1 + (2 x + 1)^{1/2} + 2 (2 x + 1)^{1/2} x}{3 (2 x + 1)^{3/2}}$$

Sequence: A034000
Score: 36.0762
Type of gen. func.: lgdegf]

$$-5 + (1 - 3 x) f(x)$$

Sequence: A034000
Score: 6.27814
Type of gen. func.: ogf

$$\{(-3 n - 8) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 5\}$$

Sequence: A034001
Score: 16.9134
Type of gen. func.: egf]

$$\frac{1}{(3 x - 1)^2}$$

Sequence: A034001
Score: 54.6810
Type of gen. func.: lgdegf]

$$- \frac{6}{3 x - 1}$$

Sequence: A034001
Score: 6.34252
Type of gen. func.: ogf

$$\{(-3 n - 9) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 6\}$$

Sequence: A034001
Score: 6.80662
Type of gen. func.: egf]

$$(5 f(x) + 11) (9 f(x) x^2 - 6 f(x) x + f(x) - 1)$$

Sequence: A034001
Score: 60.7566
Type of gen. func.: revegf]

$$\frac{x}{1 + 3 x}$$

Sequence: A034007
Score: 35.6753
Type of gen. func.: lgdogf

$$\frac{4 x}{(-1 + 2 x) (x - 1)}$$

Sequence: A034007
Score: 5.21966
Type of gen. func.: ogf

$$\{-a(n + 5) + 4 a(n + 4) - 4 a(n + 3), a(0) = 1, a(1) = 0, a(2) = 2, a(3) = 4, a(4) = 9\}$$

Sequence: A034007
Score: 7.49951
Type of gen. func.: ogf

$$-x^4 + 4 f(x) x^2 + 4 x^3 - 4 f(x) x - 6 x^2 + f(x) + 4 x - 1$$

Sequence: A034007
Score: 9.45591
Type of gen. func.: ogf

$$\frac{(x-1)^4}{(-1+2x)^2}$$

Sequence: A034008
Score: 13.6397
Type of gen. func.: ogf

$$-2 f(x) x - x^2 + f(x) + 2 x - 1$$

Sequence: A034008
Score: 16.0645
Type of gen. func.: ogf

$$-\frac{(x-1)^2}{-1+2x}$$

Sequence: A034008
Score: 41.9015
Type of gen. func.: lgdogf

$$\frac{2x}{(-1+2x)(x-1)}$$

Sequence: A034008
Score: 8.70969
Type of gen. func.: ogf

$$\{-a(n+3) + 2 a(n+2), a(0) = 1, a(1) = 0, a(2) = 1\}$$

Sequence: A034009
Score: 23.5586

Type of gen. func.: lgdogf

$$-\frac{4(-2+3x)}{(-1+2x)(x-1)}$$

Sequence: A034009
Score: 4.08859
Type of gen. func.: ogf

{(-n - 3) a(n + 3) + (14 + 3 n) a(n + 2) + (-14 - 2 n) a(n + 1), a(0) = 1,

a(1) = 8, a(2) = 38}

Sequence: A034009
Score: 9.06601
Type of gen. func.: ogf

$$\frac{1}{(-1+2x)^2 (x-1)^4}$$

Sequence: A034015
Score: 41.3697
Type of gen. func.: revogf

$$\frac{x}{(x+1)(2x+1)^2}$$

Sequence: A034015
Score: 9.29172
Type of gen. func.: ogf

$$4 f(x)^3 x^3 + 8 f(x)^2 x^2 + 5 f(x) x - f(x) + 1$$

Sequence: A034077
Score: 11.7276
Type of gen. func.: ogf

$$127 x^6 - 64 x^5 - 32 x^4 - 16 x^3 - 8 x^2 + 17 x - 26$$

$$\overline{}$$
$$x - 1$$

Sequence: A034077
Score: 9.86346
Type of gen. func.: lgdogf

$$\frac{635 x^6 - 1018 x^5 + 224 x^4 + 96 x^3 + 40 x^2 + 16 x + 9}{(x - 1) (127 x^6 - 64 x^5 - 32 x^4 - 16 x^3 - 8 x^2 + 17 x - 26)}$$

Sequence: A034106
Score: 12.3927
Type of gen. func.: ogf

$$- \frac{17 x^2 - 41 x + 26}{(x - 1)^3}$$

Sequence: A034106
Score: 19.4433
Type of gen. func.: lgdogf

$$- \frac{17 x^2 - 48 x + 37}{(x - 1) (17 x^2 - 41 x + 26)}$$

Sequence: A034106
Score: 6.5548
Type of gen. func.: ogf

$$(1436 f(x) + 28119) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 17 x^2 - f(x) - 41 x + 26)$$

Sequence: A034106
Score: 6.89679
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 26, a(1) = 37, a(2) = 50\}$$

Sequence: A034107
Score: 6.52821
Type of gen. func.: lgdogf

$$-\frac{5x^{10}-6x^9+2x^7+15x^6+8x^5+36x^4+30x^3+23x^2+20x+17}{(x-1)(x^4+x^3+x^2+x+1)(5x^6-8x^5+2x^4+x^3+3x^2-3x+10)}$$

Sequence: A034107
Score: 7.50060
Type of gen. func.: ogf

$$-\frac{5x^6-8x^5+2x^4+x^3+3x^2-3x+10}{(x^4+x^3+x^2+x+1)(x-1)^3}$$

Sequence: A034108
Score: 6.24501
Type of gen. func.: lgdogf

$$-\frac{5x^{10}-6x^9+2x^7+15x^6+2x^5+41x^4+30x^3+23x^2+20x+18}{(x-1)(x^4+x^3+x^2+x+1)(6x^7-7x^6-2x^5+2x^4+x^3-3x^2+8x+5)}$$

Sequence: A034108
Score: 7.01858
Type of gen. func.: ogf

$$-\frac{6x^7-7x^6-2x^5+2x^4+x^3-3x^2+8x+5}{(x^4+x^3+x^2+x+1)(x-1)^3}$$

Sequence: A034109
Score: 6.22691
Type of gen. func.: lgdogf

$$-(6x^{10} - 8x^{9} + x^{8} + 2x^{7} + 10x^{6} + 10x^{5} + 33x^{4} + 34x^{3} + 23x^{2} + 20x + 19) \Big/ ((x-1)(x^{4} + x^{3} + x^{2} + x + 1)(6x^{6} - 10x^{5} + 3x^{4} + x^{3} + 2x^{2} - 3x + 11))$$

Sequence: A034109
Score: 7.43303
Type of gen. func.: ogf

$$-\frac{6x^{6} - 10x^{5} + 3x^{4} + x^{3} + 2x^{2} - 3x + 11}{(x^{4} + x^{3} + x^{2} + x + 1)(x-1)^{3}}$$

Sequence: A034110
Score: 6.74823
Type of gen. func.: lgdogf

$$-\frac{x^{10} + 6x^{8} + 12x^{7} + 18x^{6} + 28x^{5} + 25x^{4} + 24x^{3} + 18x^{2} + 12x + 6}{(x-1)(x^{4} + x^{3} + x^{2} + x + 1)(x^{6} - x^{5} + 2x^{4} + 2x^{3} + 2x^{2} + 2x + 2)}$$

Sequence: A034110
Score: 7.57281
Type of gen. func.: ogf

$$-\frac{x^{6} - x^{5} + 2x^{4} + 2x^{3} + 2x^{2} + 2x + 2}{(x^{4} + x^{3} + x^{2} + x + 1)(x-1)^{3}}$$

Sequence: A034111
Score: 12.6419
Type of gen. func.: ogf

$$13x^{2} - 32x + 21$$

$$- \frac{}{(x - 1)^{3}}$$

Sequence: A034111
Score: 19.8399
Type of gen. func.: lgdogf

$$- \frac{13 x^{2} - 38 x + 31}{(x - 1) (13 x^{2} - 32 x + 21)}$$

Sequence: A034111
Score: 6.91522
Type of gen. func.: ogf

$$(11 f(x) + 138) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 13 x^{2} - f(x) - 32 x + 21)$$

Sequence: A034111
Score: 7.03549
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 21, a(1) = 31, a(2) = 43\}$$

Sequence: A034112
Score: 6.23299
Type of gen. func.: lgdogf

$$- (3 x^{10} - 4 x^{9} + 2 x^{8} + 4 x^{7} + 17 x^{6} + 14 x^{5} + 34 x^{4} + 28 x^{3} + 21 x^{2} + 18 x + 13) / ((x - 1) (x^{4} + x^{3} + x^{2} + x + 1) (3 x^{6} - 5 x^{5} + 2 x^{4} + x^{3} + 3 x^{2} - x + 7))$$

Sequence: A034112
Score: 7.46229
Type of gen. func.: ogf

6   5   4   3   2

$$-\frac{3 x - 5 x + 2 x + x + 3 x - x + 7}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A034113
Score: 6.21484
Type of gen. func.: lgdogf

$$-(3 x^{10} - 4 x^9 + 2 x^8 + 4 x^7 + 17 x^6 + 8 x^5 + 39 x^4 + 28 x^3 + 21 x^2 + 18 x + 14) \Big/ ((x - 1) (x^4 + x^3 + x^2 + x + 1) (5 x^7 - 7 x^6 + 2 x^4 + x^3 - 2 x^2 + 8 x + 3))$$

Sequence: A034113
Score: 7.49800
Type of gen. func.: ogf

$$-\frac{5 x^7 - 7 x^6 + 2 x^4 + x^3 - 2 x^2 + 8 x + 3}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A034114
Score: 6.26340
Type of gen. func.: lgdogf

$$-(4 x^{10} - 6 x^9 + 3 x^8 + 4 x^7 + 12 x^6 + 16 x^5 + 31 x^4 + 32 x^3 + 21 x^2 + 18 x + 15) \Big/ ((x - 1) (x^4 + x^3 + x^2 + x + 1) (4 x^6 - 7 x^5 + 3 x^4 + x^3 + 2 x^2 - x + 8))$$

Sequence: A034114
Score: 7.49800
Type of gen. func.: ogf

$$-\frac{4 x^6 - 7 x^5 + 3 x^4 + x^3 + 2 x^2 - x + 8}{{}^{4}\quad{}^{3}\quad{}^{2}\qquad\qquad{}^{3}}$$

$$(x + x + x + x + 1) (x - 1)$$

Sequence: A034115
Score: 5.92106
Type of gen. func.: lgdogf

$$-(25 x^{10} - 18 x^{9} - 12 x^{8} - 6 x^{7} - 38 x^{5} + 43 x^{4} + 42 x^{3} + 36 x^{2} + 30 x + 48) / ((x - 1) (x^{4} + x^{3} + x^{2} + x + 1) (25 x^{6} - 34 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} - 22 x + 35))$$

Sequence: A034115
Score: 7.05293
Type of gen. func.: ogf

$$-\frac{25 x^{6} - 34 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} - 22 x + 35}{(x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{3}}$$

Sequence: A034126
Score: 15.3412
Type of gen. func.: lgdogf

$$-\frac{2 (x^{3} - 4 x^{2} + 5 x - 14)}{(x - 1) (2 x^{3} - 7 x^{2} + 8 x - 9)}$$

Sequence: A034126
Score: 3.97370
Type of gen. func.: ogf

$$\{(55 n^{2} + 377 n + 534) a(n + 1) + (-74 n^{2} - 337 n - 294) a(n + 2) + (19 n^{2} + 68 n + 33) a(n + 3), a(0) = 9, a(1) = 28, a(2) = 65\}$$

Sequence: A034126

Score: 5.25196
Type of gen. func.: ogf

$(1056 f(x) + 7961)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 2 x^3 - 4 f(x) x - 7 x^2 + f(x) + 8 x - 9)$$

Sequence: A034126
Score: 9.75364
Type of gen. func.: ogf

$$-\frac{2 x^3 - 7 x^2 + 8 x - 9}{(x - 1)^4}$$

Sequence: A034131
Score: 6.32512
Type of gen. func.: ogf

$$-\frac{x^6 - 3 x^5 - 7 x^3 - 7 x^2 - 4 x - 4}{(x^2 + 1) (x + 1) (x - 1)^4}$$

Sequence: A034131
Score: 6.47665
Type of gen. func.: lgdogf

$$-\frac{x^9 - 3 x^8 - 6 x^7 - 34 x^6 - 59 x^5 - 81 x^4 - 82 x^3 - 66 x^2 - 38 x - 16}{(x - 1) (x + 1) (x^2 + 1) (x^6 - 3 x^5 - 7 x^3 - 7 x^2 - 4 x - 4)}$$

Sequence: A034137
Score: 6.97421
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{13} - x^{11} - x^9 - x^7 + x^6 + x^4 + x^2 + 1$$

Sequence: A034138

Score: 7.44488
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^{8}}{x - 1} - \frac{x^{17}}{x^{2} - 1} - \frac{1}{x^{2} - 1}$$

Sequence: A034139
Score: 8.18214
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{1}{x^{2} - 1} + \frac{x^{9}}{x - 1} - \frac{x^{19}}{x^{2} - 1}$$

Sequence: A034140
Score: 8.78344
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{1}{x^{2} - 1} + \frac{x^{10}}{x - 1} - \frac{x^{21}}{x^{2} - 1}$$

Sequence: A034164
Score: 12.5039
Type of gen. func.: revogf

$$- \frac{-1 - 3 x + (-(1 + 3 x) (x - 1))^{1/2}}{2 (1 + 3 x)^{2}}$$

Sequence: A034164
Score: 5.59203
Type of gen. func.: ogf

$$\{(-9 n - 24) a(n + 1) + (n + 4) a(n + 2), a(0) = 1, a(1) = 5\}$$

Sequence: A034164

Score: 6.10416
Type of gen. func.: ogf

$$-27 x^4 f(x)^3 - 27 f(x)^2 x^3 + 9 f(x)^2 x^2 - 9 f(x) x^2 + 6 f(x) x - f(x) - x + 1$$

Sequence: A034171
Score: 23.8460
Type of gen. func.: revogf

$$\frac{x (3 x^2 + 3 x + 1)}{(1 + 3 x)^3}$$

Sequence: A034171
Score: 5.79174
Type of gen. func.: ogf

$$\{(-9 n - 21) a(n + 1) + (n + 3) a(n + 2), a(0) = 1, a(1) = 6\}$$

Sequence: A034171
Score: 6.55839
Type of gen. func.: ogf

$$-27 f(x)^3 x^3 + 3 x^2 f(x)^3 - 27 f(x)^2 x^2 + 3 f(x)^2 x - 9 f(x) x + f(x) - 1$$

Sequence: A034176
Score: 34.0104
Type of gen. func.: lgdegf]

$$-7 + (-4 x + 1) f(x)$$

Sequence: A034176
Score: 5.85671
Type of gen. func.: ogf

$$\{(-4 n - 11) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 7\}$$

Sequence: A034176
Score: 9.44734
Type of gen. func.: revegf]

$$\frac{-1 + (1 + 3 x)^{(1/3)} + 3 (1 + 3 x)^{(1/3)} x}{4 (1 + 3 x)^{4/3}}$$

Sequence: A034177
Score: 15.4124
Type of gen. func.: egf]

$$\frac{1}{(4 x - 1)^{2}}$$

Sequence: A034177
Score: 5.88787
Type of gen. func.: ogf

$$\{(-4 n - 12) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 8\}$$

Sequence: A034177
Score: 56.9921
Type of gen. func.: revegf]

$$\frac{x}{1 + 4 x}$$

Sequence: A034177
Score: 8.46217
Type of gen. func.: egf]

$$(5 f(x) + 11) (16 f(x) x^{2} - 8 f(x) x + f(x) - 1)$$

Sequence: A034182
Score: 12.7127
Type of gen. func.: ogf

$$\frac{x + 1}{(x - 1)\,(x^{2} + 2\,x - 1)}$$

Sequence: A034182
Score: 17.7179
Type of gen. func.: lgdogf

$$-\frac{x^{3} + 3\,x^{2} + 5\,x - 5}{(x - 1)\,(x + 1)\,(x^{2} + 2\,x - 1)}$$

Sequence: A034182
Score: 6.86260
Type of gen. func.: ogf

$$\{-a(n + 3) + 3\,a(n + 2) - a(n + 1) - a(n),\ a(0) = 1,\ a(1) = 5,\ a(2) = 15\}$$

Sequence: A034182
Score: 6.92387
Type of gen. func.: ogf

$$(79\,f(x) - 4)\,(f(x)\,x^{3} + f(x)\,x^{2} - 3\,f(x)\,x - x^{2} + f(x) - 2\,x - 1)$$

Sequence: A034184
Score: 3.30438
Type of gen. func.: ogf

$$-\frac{x^{8} - x^{7} - 2\,x^{6} - 9\,x^{5} + 14\,x^{4} - 11\,x^{3} - 6\,x^{2} + 5\,x + 1}{(x - 1)\,(x^{2} + 2\,x - 1)\,(x^{6} - 7\,x^{5} + x^{4} + 6\,x^{3} - 11\,x^{2} + 7\,x - 1)}$$

Sequence: A034188
Score: 10.0582
Type of gen. func.: lgdogf

```
      7      6       5       4       3      2
  8 x  + 7 x  + 18 x  + 15 x  + 24 x  + 9 x  + 6 x + 1
  ----------------------------------------------------
    8    7      6      5      4      3      2
```

$$x + x + 3x + 3x + 6x + 3x + 3x + x + 1$$

Sequence: A034198
Score: 11.2091
Type of gen. func.: lgdogf

$$-\frac{4x^6 + 6x^5 - 10x^3 - 12x^2 - 9x - 3}{(x - 1)(x + 1)(x^2 + x + 1)(x^3 - x - 1)}$$

Sequence: A034198
Score: 9.41514
Type of gen. func.: ogf

$$-\frac{x(x^3 - x - 1)}{(x^2 + x + 1)(x + 1)(x - 1)^4}$$

Sequence: A034214
Score: 7.55048
Type of gen. func.: lgdogf

$$\frac{9x^8 + 8x^7 + 14x^6 + 24x^5 + 25x^4 + 20x^3 + 12x^2 + 4x + 1}{(x + 1)(x^8 + 2x^6 + 2x^5 + 3x^4 + 2x^3 + 2x^2 + 1)}$$

Sequence: A034255
Score: 15.4539
Type of gen. func.: revogf

$$\frac{x(2x + 1)(8x^2 + 4x + 1)}{(1 + 4x)^4}$$

Sequence: A034255
Score: 4.87207
Type of gen. func.: ogf

$$\{(-16 n - 36) a(n + 1) + (n + 3) a(n + 2), a(0) = 1, a(1) = 10\}$$

Sequence: A034256
Score: 5.51256
Type of gen. func.: ogf

$$\{(-16 n + 4) a(n) + (n + 1) a(n + 1), a(0) = 1, a(1) = 4\}$$

Sequence: A034262
Score: 23.6910
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 5 x + 5}{(x - 1) (x^2 + x + 1)}$$

Sequence: A034262
Score: 28.6642
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^2 + 5]$$

Sequence: A034262
Score: 4.37407
Type of gen. func.: ogf

$$\{(-3 - n) a(n + 4) + 5 a(n + 3) + 5 a(n + 2) + (n + 2) a(n + 1), a(0) = 0, a(1) = 2, a(2) = 10, a(3) = 30\}$$

Sequence: A034262
Score: 5.19224
Type of gen. func.: ogf

$$-(75 f(x) + 82)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 2 x^3 - 4 f(x) x - 2 x^2 + f(x) - 2 x)$$

Sequence: A034262
Score: 9.88659
Type of gen. func.: ogf

$$\frac{2 x (x^2 + x + 1)}{(x - 1)^4}$$

Sequence: A034263
Score: 32.4010
Type of gen. func.: lgdogf

$$- \frac{3 (3 + 5 x)}{(3 x + 1) (x - 1)}$$

Sequence: A034263
Score: 5.21025
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-5 + 2 n) a(n + 2) + (-18 - 3 n) a(n + 1), a(0) = 1,

a(1) = 9, a(2) = 39}

Sequence: A034263
Score: 9.89948
Type of gen. func.: ogf

$$\frac{3 x + 1}{(x - 1)^6}$$

Sequence: A034264
Score: 28.4479
Type of gen. func.: lgdogf

$$- \frac{11 + 24 x}{(4 x + 1) (x - 1)}$$

Sequence: A034264
Score: 4.59038
Type of gen. func.: ogf

{(-2 - n) a(n + 3) + (8 - 3 n) a(n + 2) + (24 + 4 n) a(n + 1), a(0) = 0,

a(1) = 1, a(2) = 11}

Sequence: A034264
Score: 7.45320
Type of gen. func.: ogf

$$-\frac{x (4 x + 1)}{(x - 1)^7}$$

Sequence: A034265
Score: 28.6268
Type of gen. func.: lgdogf

$$-\frac{13 + 35 x}{(5 x + 1) (x - 1)}$$

Sequence: A034265
Score: 4.57939
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-5 + 4 n) a(n + 2) + (-40 - 5 n) a(n + 1), a(0) = 1,

a(1) = 13, a(2) = 76}

Sequence: A034265
Score: 7.14946
Type of gen. func.: ogf

$$\frac{5 x + 1}{(x - 1)^8}$$

Sequence: A034266
Score: 26.8037
Type of gen. func.: lgdogf

$$-\frac{3 (5 + 16 x)}{}$$

$$(6 x + 1) (x - 1)$$

Sequence: A034266
Score: 5.28982
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 3) + (10 - 5 n) a(n + 2) + (48 + 6 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 15\}$$

Sequence: A034266
Score: 7.11550
Type of gen. func.: ogf

$$-\frac{x (6 x + 1)}{(x - 1)^9}$$

Sequence: A034275
Score: 4.12305
Type of gen. func.: ogf

$$-64 f(x)^2 x^4 + 48 f(x)^2 x^3 - 12 f(x)^2 x^2 + 64 f(x) x^3 + f(x)^2 x - 48 f(x) x^2 - 36 x^3 + 12 f(x) x + 32 x^2 - f(x) - 10 x + 1$$

Sequence: A034299
Score: 11.5450
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (2 x - 1) (x + 1)^2}$$

Sequence: A034299
Score: 15.7782
Type of gen. func.: lgdogf

$$-\frac{8 x^2 - 5 x - 1}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A034299
Score: 4.67525
Type of gen. func.: ogf

$$(313 f(x) + 256) (2 f(x) x^4 + f(x) x^3 - 3 f(x) x^2 - f(x) x + f(x) - 1)$$

Sequence: A034300
Score: 35.6740
Type of gen. func.: lgdegf]

$$-8 + (1 - 5 x) f(x)$$

Sequence: A034300
Score: 6.13708
Type of gen. func.: ogf

$$\{(-5 n - 13) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 8\}$$

Sequence: A034300
Score: 9.90944
Type of gen. func.: revegf]

$$\frac{-1 + (3 x + 1)^{(2/3)} + 3 (3 x + 1)^{(2/3)} x}{5 (3 x + 1)^{5/3}}$$

Sequence: A034301
Score: 35.8588
Type of gen. func.: lgdegf]

$$-9 + (1 - 5 x) f(x)$$

Sequence: A034301
Score: 6.16824
Type of gen. func.: ogf

$$\{(-5 n - 14) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 9\}$$

Sequence: A034301
Score: 9.96079
Type of gen. func.: revegf]

$$\frac{-1 + (4 x + 1)^{(1/4)} + 4 (4 x + 1)^{(1/4)} x}{5 (4 x + 1)^{5/4}}$$

Sequence: A034323
Score: 35.3043
Type of gen. func.: lgdegf]

$$-7 + (1 - 5 x) f(x)$$

Sequence: A034323
Score: 6.07478
Type of gen. func.: ogf

$$\{(-5 n - 12) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 7\}$$

Sequence: A034323
Score: 7.15628
Type of gen. func.: revegf]

$$\frac{-1 + (1 + 2 x)^{1/2} + 4 (1 + 2 x)^{1/2} x + 4 (1 + 2 x)^{1/2} x^2}{5 (1 + 2 x)^{5/2}}$$

Sequence: A034324
Score: 15.9604
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^3 + 10 x^2 - 2 x + 1)}{(x - 1) (6 x^3 + x^2 - 2 x + 1)}$$

Sequence: A034324
Score: 3.96370
Type of gen. func.: ogf

$$\{(157 n^2 + 857 n + 1086) a(n + 1) + (-296 n^2 - 1216 n - 684) a(n + 2) + (139 n^2 + 413 n - 12) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 3\}$$

Sequence: A034324
Score: 5.46426
Type of gen. func.: ogf

$$(66 f(x) + 109)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 6 x^3 - 4 f(x) x - x^2 + f(x) + 2 x - 1)$$

Sequence: A034324
Score: 9.93500
Type of gen. func.: ogf

$$\frac{6 x^3 + x^2 - 2 x + 1}{(x - 1)^4}$$

Sequence: A034325
Score: 16.0018
Type of gen. func.: egf]

$$\frac{1}{(5 x - 1)^2}$$

Sequence: A034325
Score: 45.7477
Type of gen. func.: lgdegf]

$$-\frac{10}{5 x - 1}$$

Sequence: A034325
Score: 6.22292
Type of gen. func.: ogf

```
             {(-5 n - 15) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 10}
```

Sequence: A034325
Score: 6.66742
Type of gen. func.: egf]

```
                                       2
               (5 f(x) + 11) (25 f(x) x  - 10 f(x) x + f(x) - 1)
```

Sequence: A034325
Score: 60.9970
Type of gen. func.: revegf]

```
                                       x
                                    -------
                                    5 x + 1
```

Sequence: A034326
Score: 6.33216
Type of gen. func.: ogf

```
       11       10       9      8      7      6      5      4      3      2
- (12 x   + 11 x   + 10 x  + 9 x  + 8 x  + 7 x  + 6 x  + 5 x  + 4 x  + 3 x

                  /                    2            2            2
     + 2 x + 1)  /  ((x - 1) (x + 1) (x  + x + 1) (x  - x + 1) (x  + 1)
                /

      4    2
    (x  - x  + 1))
```

Sequence: A034379
Score: 15.4753
Type of gen. func.: ogf_with_Euler_transform]

```
                               7    4    2
                              x  + x  + x  + x + 2
```

Sequence: A034379
Score: 4.40506
Type of gen. func.: ogf

$$\frac{1}{(x^2+1)(x^4+x^3+x^2+x+1)(x^2+x+1)(x^4+1)(x+1)^2(x-1)^6}$$

Sequence: A034385
Score: 29.9258
Type of gen. func.: lgdogf

$$-4 + (1 - 16 x) f(x)$$

Sequence: A034385
Score: 4.62401
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (20 + 16 n) a(n + 1), a(0) = 1, a(1) = 4\}$$

Sequence: A034405
Score: 5.69989
Type of gen. func.: egf]

$$\{(2 n^2 + 9 n + 10) a(n + 1) + (-3 n - 8) a(n + 2) + a(n + 3), a(0) = 1,$$
$$a(1) = 2, a(2) = 7\}$$

Sequence: A034429
Score: 5.39682
Type of gen. func.: lgdogf

$$(5540 n + 16620) a(n + 3) + (58806 + 41591 n) a(n + 2) - 60234 a(n + 1),$$
$$a(0) = 5, a(1) = 22, a(2) = -7$$

Sequence: A034430
Score: 27.2112
Type of gen. func.: lgdegf]

$$-\frac{-2 + 3 x}{(2 x - 1) (x - 1)}$$

Sequence: A034430
Score: 4.65071
Type of gen. func.: ogf

```
     2
{(2 n  + 9 n + 10) a(n + 1) + (-3 n - 8) a(n + 2) + a(n + 3), a(0) = 1,

    a(1) = 2, a(2) = 7}
```

Sequence: A034430
Score: 8.21053
Type of gen. func.: egf]

```
                       2  3         2  2         2         2
                -2 f(x)  x  + 5 f(x)  x  - 4 f(x)  x + f(x)  - 1
```

Sequence: A034432
Score: 5.11865
Type of gen. func.: lgdogf

```
(28812 n + 86436) a(n + 3) + (214307 + 177983 n) a(n + 2) - 394683 a(n + 1),

    a(0) = 4, a(1) = 59/3, a(2) = 15
```

Sequence: A034433
Score: 8.51951
Type of gen. func.: ogf_with_Euler_transform]

```
                    7      6      5      4      3      2
               -16 x  - 8 x  - 8 x  - 8 x  - 8 x  - 8 x  - 8 x - 8
             - ---------------------------------------------------
                                      8
                                     x  - 1
```

Sequence: A034436
Score: 6.98339
Type of gen. func.: ogf_with_Euler_transform]

```
             8       7       6       5       4       3       2
        -24 x  - 12 x  - 12 x  - 12 x  - 12 x  - 12 x  - 12 x  - 12 x - 12
      - ------------------------------------------------------------------
                                       9
                                      x  - 1
```

Sequence: A034472
Score: 14.3356
Type of gen. func.: ogf

$$-\frac{2 (2 x - 1)}{(3 x - 1) (x - 1)}$$

Sequence: A034472
Score: 16.2070
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^2 - 3 x + 1)}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A034472
Score: 7.16781
Type of gen. func.: ogf

$$-(13 f(x) + 6) (3 f(x) x^2 - 4 f(x) x + f(x) + 4 x - 2)$$

Sequence: A034472
Score: 7.86712
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + 3 a(n), a(0) = 2, a(1) = 4\}$$

Sequence: A034474
Score: 13.5319
Type of gen. func.: ogf

$$-\frac{2 (3 x - 1)}{(x - 1) (5 x - 1)}$$

Sequence: A034474
Score: 15.6992
Type of gen. func.: lgdogf

$$15 x^2 - 10 x + 3$$
$$- \text{---------------------------}$$

$$(x - 1) (3 x - 1) (5 x - 1)$$

Sequence: A034474
Score: 6.6916
Type of gen. func.: ogf

$$-(62 f(x) - 43) (5 f(x) x^2 - 6 f(x) x + f(x) + 6 x - 2)$$

Sequence: A034474
Score: 7.42604
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 5 a(n), a(0) = 2, a(1) = 6\}$$

Sequence: A034478
Score: 13.1198
Type of gen. func.: ogf

$$-\frac{3 x - 1}{(x - 1) (5 x - 1)}$$

Sequence: A034478
Score: 15.2112
Type of gen. func.: lgdogf

$$-\frac{15 x^2 - 10 x + 3}{(x - 1) (3 x - 1) (5 x - 1)}$$

Sequence: A034478
Score: 6.63359
Type of gen. func.: ogf

$$-(8 f(x) + 1) (5 f(x) x^2 - 6 f(x) x + f(x) + 3 x - 1)$$

Sequence: A034478
Score: 7.19987
Type of gen. func.: ogf

$$\{a(n+2) - 6 a(n+1) + 5 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A034488
Score: 4.49232
Type of gen. func.: ogf

$$(3875 f(x) + 9428) (36 f(x) x^4 - 72 f(x) x^3 + 47 f(x) x^2 + 72 x^3 - 12 f(x) x - 94 x^2 + f(x) + 36 x - 4)$$

Sequence: A034488
Score: 8.02199
Type of gen. func.: ogf

$$-\frac{2 (36 x^3 - 47 x^2 + 18 x - 2)}{(x - 1) (6 x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A034491
Score: 12.9149
Type of gen. func.: ogf

$$-\frac{2 (4 x - 1)}{(x - 1) (7 x - 1)}$$

Sequence: A034491
Score: 14.5946
Type of gen. func.: lgdogf

$$-\frac{2 (14 x^2 - 7 x + 2)}{(x - 1) (7 x - 1) (4 x - 1)}$$

Sequence: A034491
Score: 6.24916
Type of gen. func.: ogf

$$-(513 f(x) - 514) (7 f(x) x^2 - 8 f(x) x + f(x) + 8 x - 2)$$

Sequence: A034491
Score: 7.08746
Type of gen. func.: ogf

$$\{a(n+2) - 8 a(n+1) + 7 a(n), a(0) = 2, a(1) = 8\}$$

Sequence: A034494
Score: 12.5155
Type of gen. func.: ogf

$$-\frac{4x - 1}{(x - 1)(7x - 1)}$$

Sequence: A034494
Score: 13.4443
Type of gen. func.: lgdogf

$$-\frac{2(14x^2 - 7x + 2)}{(x - 1)(7x - 1)(4x - 1)}$$

Sequence: A034494
Score: 6.32806
Type of gen. func.: ogf

$$-(9 f(x) - 1)(7 f(x) x^2 - 8 f(x) x + f(x) + 4x - 1)$$

Sequence: A034494
Score: 6.86826
Type of gen. func.: ogf

$$\{a(n+2) - 8 a(n+1) + 7 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A034496
Score: 3.59876
Type of gen. func.: ogf

$$(441 f(x) - 13889) (64 f(x) x^4 - 120 f(x) x^3 + 70 f(x) x^2 + 120 x^3 - 15 f(x) x - 140 x^2 + f(x) + 45 x - 4)$$

Sequence: A034496
Score: 6.32885
Type of gen. func.: ogf

$$- \frac{120 x^3 - 140 x^2 + 45 x - 4}{(8 x - 1) (2 x - 1) (4 x - 1) (x - 1)}$$

Sequence: A034513
Score: 4.78471
Type of gen. func.: ogf

$$(124 f(x) + 473) (27 f(x) x^3 - 39 f(x) x^2 + 13 f(x) x + 39 x^2 - f(x) - 26 x + 3)$$

Sequence: A034513
Score: 4.90740
Type of gen. func.: ogf

{-a(n + 3) + 13 a(n + 2) - 39 a(n + 1) + 27 a(n), a(0) = 3, a(1) = 13,

a(2) = 91}

Sequence: A034513
Score: 7.39984
Type of gen. func.: lgdogf

$$- \frac{1053 x^4 - 1404 x^3 + 750 x^2 - 156 x + 13}{(x - 1) (3 x - 1) (9 x - 1) (39 x^2 - 26 x + 3)}$$

Sequence: A034513
Score: 8.69948
Type of gen. func.: ogf

$$-\frac{39 x^2 - 26 x + 3}{(x - 1) (3 x - 1) (9 x - 1)}$$

Sequence: A034517
Score: 4.41776
Type of gen. func.: ogf

$$(74196 f(x) + 3991387) (100 f(x) x^4 - 180 f(x) x^3 + 97 f(x) x^2 + 180 x^3 - 18 f(x) x - 194 x^2 + f(x) + 54 x - 4)$$

Sequence: A034517
Score: 7.93188
Type of gen. func.: ogf

$$-\frac{2 (90 x^3 - 97 x^2 + 27 x - 2)}{(x - 1) (2 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A034524
Score: 11.5615
Type of gen. func.: ogf

$$-\frac{2 (6 x - 1)}{(11 x - 1) (x - 1)}$$

Sequence: A034524
Score: 13.2534
Type of gen. func.: lgdogf

$$-\frac{2 (33 x^2 - 11 x + 3)}{(x - 1) (6 x - 1) (11 x - 1)}$$

Sequence: A034524
Score: 5.66277
Type of gen. func.: ogf

2

$$-(3325 f(x) - 4058) (11 f(x) x - 12 f(x) x + f(x) + 12 x - 2)$$

Sequence: A034524
Score: 6.52884
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 11 a(n), a(0) = 2, a(1) = 12\}$$

Sequence: A034583
Score: 13.0579
Type of gen. func.: ogf

$$- \frac{8 x^7 + 8 x^6 + 8 x^5 + 8 x^4 + 4 x^3 + 4 x^2 + 2 x + 1}{(2 x^2 - 1) (2 x^2 + 1) (2 x^2 + 2 x + 1) (2 x^2 - 2 x + 1)}$$

Sequence: A034584
Score: 10.0269
Type of gen. func.: ogf

$$\frac{x (x^7 + x^3 + x + 1)}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A034610
Score: 16.5104
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A034611
Score: 16.5104
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A034612
Score: 16.6851
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A034613
Score: 16.7724
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A034614
Score: 18.9609
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A034615
Score: 18.9609
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A034616
Score: 19.1398
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A034617
Score: 19.0504
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A034618
Score: 18.3349
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A034622
Score: 4.11094
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A034628
Score: 2.15934
Type of gen. func.: ogf

$$(f(x) - 1) (-646380 x^4 + f(x) - 1)$$

Sequence: A034634
Score: 4.31307
Type of gen. func.: ogf

$$(f(x) - 1)^2$$

Sequence: A034635
Score: 8.13293
Type of gen. func.: ogf

$$(f(x) - 1)^2 (-10171980 x^5 + f(x) - 1)$$

Sequence: A034636
Score: 5.8435
Type of gen. func.: ogf

$$(f(x) - 1)^2 (3863701296 x^5 + 49640 f(x) x - 543 f(x) - 49640 x + 543)$$

Sequence: A034637
Score: 5.87302
Type of gen. func.: ogf

$$(f(x) - 1)^2 (3439564884 x^5 + 80180 f(x) x - 711 f(x) - 80180 x + 711)$$

Sequence: A034638
Score: 8.41175
Type of gen. func.: ogf

$$(f(x) - 1)^2 (-3193344 x^5 + f(x) - 1)$$

Sequence: A034639
Score: 8.41175
Type of gen. func.: ogf

$$(f(x) - 1)^2 (-2045196 x^5 + f(x) - 1)$$

Sequence: A034640
Score: 18.096
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A034641
Score: 18.2788
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A034642
Score: 18.1874
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A034643
Score: 15.7411
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A034644
Score: 15.6517
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A034645
Score: 15.8306
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A034646
Score: 17.7304
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A034647
Score: 17.7304
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A034648
Score: 17.8218
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A034649
Score: 17.8218
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A034650
Score: 17.9132
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A034651
Score: 17.9132
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A034652
Score: 7.12132
Type of gen. func.: ogf

$$(f(x) - 1) (-119421161244 x^8 + f(x)^2 - f(x))$$

Sequence: A034653
Score: 7.18006
Type of gen. func.: ogf

$$(f(x) - 1) (-79328599020 x^8 + f(x)^2 - f(x))$$

Sequence: A034654
Score: 7.18006
Type of gen. func.: ogf

$$(f(x) - 1) (-51816632472 x^8 + f(x)^2 - f(x))$$

Sequence: A034655
Score: 7.18006
Type of gen. func.: ogf

$$(f(x) - 1) (-33269343840 x^8 + f(x)^2 - f(x))$$

Sequence: A034656
Score: 7.18006
Type of gen. func.: ogf

$$(f(x) - 1) (-20990607300 x^8 + f(x)^2 - f(x))$$

Sequence: A034657
Score: 7.18006
Type of gen. func.: ogf

$$(f(x) - 1) (-13010909796 x^8 + f(x)^2 - f(x))$$

Sequence: A034658
Score: 21.6243
Type of gen. func.: ogf

$$(f(x) - 1)^2$$

Sequence: A034659
Score: 11.3770
Type of gen. func.: ogf

$$- \frac{6 x - 1}{(11 x - 1) (x - 1)}$$

Sequence: A034659
Score: 12.7599
Type of gen. func.: lgdogf

$$-\frac{2\,(33\,x^2 - 11\,x + 3)}{(x - 1)\,(6\,x - 1)\,(11\,x - 1)}$$

Sequence: A034659
Score: 5.81216
Type of gen. func.: ogf

$$-(25\,f(x) - 7)\,(11\,f(x)\,x^2 - 12\,f(x)\,x + f(x) + 6\,x - 1)$$

Sequence: A034659
Score: 6.36569
Type of gen. func.: ogf

$$\{a(n + 2) - 12\,a(n + 1) + 11\,a(n),\ a(0) = 1,\ a(1) = 6\}$$

Sequence: A034660
Score: 3.63390
Type of gen. func.: ogf

$$-\frac{2\,(2016\,x^5 - 3444\,x^4 + 2100\,x^3 - 574\,x^2 + 70\,x - 3)}{(x - 1)\,(6\,x - 1)\,(3\,x - 1)\,(2\,x - 1)\,(12\,x - 1)\,(4\,x - 1)}$$

Sequence: A034661
Score: 3.51982
Type of gen. func.: ogf

$$-\frac{12636\,x^5 - 19188\,x^4 + 9855\,x^3 - 2132\,x^2 + 195\,x - 6}{(x - 1)\,(6\,x - 1)\,(3\,x - 1)\,(9\,x - 1)\,(2\,x - 1)\,(18\,x - 1)}$$

Sequence: A034662
Score: 4.08141
Type of gen. func.: ogf

$$-\frac{6\,(2800\,x^5 - 4060\,x^4 + 1974\,x^3 - 406\,x^2 + 35\,x - 1)}{(x - 1)\,(4\,x - 1)\,(20\,x - 1)\,(2\,x - 1)\,(5\,x - 1)\,(10\,x - 1)}$$

Sequence: A034663
Score: 3.12762
Type of gen. func.: ogf

$$-(943875 f(x) + 6704338) (441 f(x) x^4 - 672 f(x) x^3 + 262 f(x) x^2 + 672 x^3 - 32 f(x) x - 524 x^2 + f(x) + 96 x - 4)$$

Sequence: A034663
Score: 5.76325
Type of gen. func.: ogf

$$-\frac{4 (168 x^3 - 131 x^2 + 24 x - 1)}{(x - 1) (3 x - 1) (7 x - 1) (21 x - 1)}$$

Sequence: A034665
Score: 3.46853
Type of gen. func.: ogf

$$-\frac{3 (21504 x^5 - 27776 x^4 + 11160 x^3 - 1736 x^2 + 105 x - 2)}{(x - 1) (4 x - 1) (2 x - 1) (8 x - 1) (16 x - 1) (32 x - 1)}$$

Sequence: A034687
Score: 11.7351
Type of gen. func.: revogf

$$\frac{x (125 x^4 + 125 x^3 + 50 x^2 + 10 x + 1)}{(5 x + 1)^5}$$

Sequence: A034687
Score: 4.81964
Type of gen. func.: ogf

$$\{(-25 n - 55) a(n + 1) + (n + 3) a(n + 2), a(0) = 1, a(1) = 15\}$$

Sequence: A034688
Score: 34.1756
Type of gen. func.: lgdogf

$$-5 + (1 - 25 x) f(x)$$

Sequence: A034688
Score: 5.26549
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (30 + 25 n) a(n + 1), a(0) = 1, a(1) = 5\}$$

Sequence: A034689
Score: 16.1549
Type of gen. func.: revegf]

$$\frac{x (4 x^2 + 6 x + 3)}{3 (1 + 2 x)^3}$$

Sequence: A034689
Score: 31.2328
Type of gen. func.: lgdegf]

$$-8 + (1 - 6 x) f(x)$$

Sequence: A034689
Score: 5.38567
Type of gen. func.: ogf

$$\{(-6 n - 14) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 8\}$$

Sequence: A034691
Score: 28.0931
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{1}{-2 x + 1}$$

Sequence: A034720
Score: 10.2386
Type of gen. func.: ogf

$$\frac{7 x^2 + 12 x + 1}{(x - 1)^4}$$

Sequence: A034720
Score: 18.4834
Type of gen. func.: lgdogf

$$- \frac{2 (7 x^2 + 25 x + 8)}{(x - 1) (7 x^2 + 12 x + 1)}$$

Sequence: A034720
Score: 4.94278
Type of gen. func.: ogf

$$(20321000 f(x) + 180654163)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 7 x^2 + f(x) - 12 x - 1)$$

Sequence: A034721
Score: 14.0189
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^3 + 24 x^2 + 12 x + 1)}{(x - 1) (6 x^3 + 15 x^2 - 2 x + 1)}$$

Sequence: A034721
Score: 4.8305
Type of gen. func.: ogf

$$(6101000 f(x) + 30918773) ($$

$$f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 6 x^3 - 4 f(x) x - 15 x^2 + f(x) + 2 x - 1)$$

Sequence: A034721
Score: 9.35136
Type of gen. func.: ogf

$$\frac{6 x^3 + 15 x^2 - 2 x + 1}{(x - 1)^4}$$

Sequence: A034723
Score: 20.4870
Type of gen. func.: revegf]

$$\frac{x (2 + 3 x)}{2 (3 x + 1)^2}$$

Sequence: A034723
Score: 47.1201
Type of gen. func.: lgdegf]

$$- \frac{9}{6 x - 1}$$

Sequence: A034723
Score: 5.41610
Type of gen. func.: ogf

$$\{(-6 n - 15) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 9\}$$

Sequence: A034723
Score: 7.64309
Type of gen. func.: egf]

$$216 f(x)^2 x^3 - 108 f(x)^2 x^2 + 18 f(x)^2 x - f(x)^2 + 1$$

Sequence: A034724
Score: 29.9578

Type of gen. func.: lgdegf]

$$-10 + (1 - 6 x) f(x)$$

Sequence: A034724
Score: 5.44619
Type of gen. func.: ogf

$$\{(-6 n - 16) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 10\}$$

Sequence: A034724
Score: 8.87639
Type of gen. func.: revegf]

$$\frac{-1 + (4 x + 1)^{1/2} + 4 (4 x + 1)^{1/2} x}{6 (4 x + 1)^{3/2}}$$

Sequence: A034787
Score: 30.2963
Type of gen. func.: lgdegf]

$$-11 + (1 - 6 x) f(x)$$

Sequence: A034787
Score: 5.50637
Type of gen. func.: ogf

$$\{(-6 n - 17) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 11\}$$

Sequence: A034787
Score: 8.97668
Type of gen. func.: revegf]

$$\frac{-1 + (5 x + 1)^{(1/5)} + 5 (5 x + 1)^{(1/5)} x}{6 (5 x + 1)^{6/5}}$$

Sequence: A034788
Score: 14.4687
Type of gen. func.: egf]

$$\frac{1}{(6x-1)^2}$$

Sequence: A034788
Score: 45.0521
Type of gen. func.: lgdegf]

$$-\frac{12}{6x-1}$$

Sequence: A034788
Score: 5.62672
Type of gen. func.: ogf

$$\{(-6n-18)a(n+1)+a(n+2),\ a(0)=1,\ a(1)=12\}$$

Sequence: A034788
Score: 55.0637
Type of gen. func.: revegf]

$$\frac{x}{6x+1}$$

Sequence: A034788
Score: 8.16235
Type of gen. func.: egf]

$$(5f(x)+11)(36f(x)x^2-12f(x)x+f(x)-1)$$

Sequence: A034789
Score: 11.3167
Type of gen. func.: revogf

$$x(3x+1)(12x^2+6x+1)(36x^2+6x+1)$$

$$\frac{}{(6 x + 1)^{6}}$$

Sequence: A034789
Score: 5.28606
Type of gen. func.: ogf

$$\{(-36 n - 78) a(n + 1) + (n + 3) a(n + 2), a(0) = 1, a(1) = 21\}$$

Sequence: A034793
Score: 7.45945
Type of gen. func.: lgdogf

$$\frac{20 x^{8} - 60 x^{7} + 49 x^{6} + 10 x^{5} - 29 x^{4} + 16 x^{3} - 2 x + 2}{(x - 1) (x + 1) (4 x^{7} - 11 x^{6} + 11 x^{5} - 6 x^{4} + 2 x^{3} - 2 x^{2} + 2 x - 1)}$$

Sequence: A034793
Score: 9.57516
Type of gen. func.: ogf

$$\frac{(x + 1) (4 x^{7} - 11 x^{6} + 11 x^{5} - 6 x^{4} + 2 x^{3} - 2 x^{2} + 2 x - 1)}{(x - 1)^{3}}$$

Sequence: A034803
Score: 8.30916
Type of gen. func.: ogf

$$\frac{x^{8} - 2 x^{7} + 3 x^{6} - x^{5} + 2 x^{3} - 1}{x^{9} + x^{6} + 3 x^{3} - 1}$$

Sequence: A034804
Score: 8.20994
Type of gen. func.: ogf

$$x (x^{2} + 1) (x^{4} - 2 x^{3} + x^{2} + 1)$$

$$-\frac{}{x^9 + x^6 + 3 x^3 - 1}$$

Sequence: A034827
Score: 12.0249
Type of gen. func.: ogf

$$-\frac{2 x^4}{(x - 1)^5}$$

Sequence: A034827
Score: 5.57035
Type of gen. func.: ogf

{(-2 + n) a(n + 2) + (-2 - n) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0,

a(4) = 2}

Sequence: A034827
Score: 6.36612
Type of gen. func.: ogf

$$f(x) x^5 - 5 f(x) x^4 + 10 f(x) x^3 + 2 x^4 - 10 f(x) x^2 + 5 f(x) x - f(x)$$

Sequence: A034827
Score: 84.1743
Type of gen. func.: lgdogf

$$-\frac{5}{x - 1}$$

Sequence: A034828
Score: 19.3686
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 7 x^2 + 10 x + 3}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A034828
Score: 33.4472
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + 2 x + 3$$

Sequence: A034828
Score: 9.03906
Type of gen. func.: ogf

$$\frac{x^2 (x^2 + x + 1)}{(x + 1)^2 (x - 1)^4}$$

Sequence: A034829
Score: 32.4966
Type of gen. func.: lgdegf]

$$-9 + (1 - 7 x) f(x)$$

Sequence: A034829
Score: 5.13104
Type of gen. func.: revegf]

$$(-1 + (1 + 2 x)^{1/2} + 6 (1 + 2 x)^{1/2} x + 12 (1 + 2 x)^{1/2} x^2 + 8 (1 + 2 x)^{1/2} x^3) \Big/ (7 (1 + 2 x)^{7/2})$$

Sequence: A034829
Score: 7.64011
Type of gen. func.: ogf

$$\{(-7 n - 16) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 9\}$$

Sequence: A034830

Score: 30.9733
Type of gen. func.: lgdegf]

$$-10 + (1 - 7 x) f(x)$$

Sequence: A034830
Score: 6.69693
Type of gen. func.: revegf]

$$\frac{-1 + (3 x + 1)^{(1/3)} + 6 (3 x + 1)^{(1/3)} x + 9 (3 x + 1)^{(1/3)} x^2}{7 (3 x + 1)^{7/3}}$$

Sequence: A034830
Score: 7.64967
Type of gen. func.: ogf

$$\{(-7 n - 17) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 10\}$$

Sequence: A034831
Score: 30.9733
Type of gen. func.: lgdegf]

$$-11 + (1 - 7 x) f(x)$$

Sequence: A034831
Score: 7.64967
Type of gen. func.: ogf

$$\{(-7 n - 18) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 11\}$$

Sequence: A034831
Score: 9.17728
Type of gen. func.: revegf]

$$\frac{-1 + (4 x + 1)^{(3/4)} + 4 (4 x + 1)^{(3/4)} x}{7 (4 x + 1)^{7/4}}$$

Sequence: A034832
Score: 31.1426
Type of gen. func.: lgdegf]

$$-12 + (1 - 7 x) f(x)$$

Sequence: A034832
Score: 7.68114
Type of gen. func.: ogf

$$\{(-7 n - 19) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 12\}$$

Sequence: A034832
Score: 9.22743
Type of gen. func.: revegf]

$$\frac{-1 + (5 x + 1)^{(2/5)} + 5 (5 x + 1)^{(2/5)} x}{7 (5 x + 1)^{7/5}}$$

Sequence: A034833
Score: 31.3118
Type of gen. func.: lgdegf]

$$-13 + (1 - 7 x) f(x)$$

Sequence: A034833
Score: 5.68690
Type of gen. func.: ogf

$$\{(-7 n - 20) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 13\}$$

Sequence: A034833
Score: 9.27758
Type of gen. func.: revegf]

$$\frac{-1 + 6 (6 x + 1)^{(1/6)} x + (6 x + 1)^{(1/6)}}{7 (6 x + 1)^{7/6}}$$

Sequence: A034834
Score: 20.0753
Type of gen. func.: egf]

$$\frac{1}{(7 x - 1)^2}$$

Sequence: A034834
Score: 42.2004
Type of gen. func.: lgdegf]

$$- \frac{14}{7 x - 1}$$

Sequence: A034834
Score: 56.2673
Type of gen. func.: revegf]

$$\frac{x}{1 + 7 x}$$

Sequence: A034834
Score: 7.80707
Type of gen. func.: ogf

$$\{(-7 n - 21) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 14\}$$

Sequence: A034834
Score: 8.36472
Type of gen. func.: egf]

$$(5 f(x) + 11) (49 f(x) x^2 - 14 f(x) x + f(x) - 1)$$

Sequence: A034835
Score: 35.1772
Type of gen. func.: lgdogf

$$-7 + (1 - 49 x) f(x)$$

Sequence: A034835
Score: 5.41440
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (56 + 49 n) a(n + 1), a(0) = 1, a(1) = 7\}$$

Sequence: A034840
Score: 5.81214
Type of gen. func.: ogf

$$- 3 (16 x^{10} - 4 x^{9} - 4 x^{8} - 4 x^{7} - 4 x^{6} - 17 x^{5} - 4 x^{4} - 4 x^{3} - 4 x^{2} - 4 x - 37) / ((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2})$$

Sequence: A034856
Score: 13.6682
Type of gen. func.: ogf

$$\frac{x^{2} - x - 1}{(x - 1)^{3}}$$

Sequence: A034856
Score: 29.2100
Type of gen. func.: lgdogf

$$- \frac{(x - 2) (x + 2)}{(x - 1) (x^{2} - x - 1)}$$

Sequence: A034856
Score: 7.44429
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 4, a(2) = 8\}$$

Sequence: A034856
Score: 7.4443
Type of gen. func.: ogf

$$(5 f(x) - 29) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + x + 1)$$

Sequence: A034857
Score: 11.0144
Type of gen. func.: ogf

$$\frac{4 x^3 - 12 x^2 + 10 x - 1}{(x - 1)^4}$$

Sequence: A034857
Score: 12.2951
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^3 - 6 x^2 + 3 x + 3)}{(x - 1) (4 x^3 - 12 x^2 + 10 x - 1)}$$

Sequence: A034857
Score: 4.78096
Type of gen. func.: ogf

$$\{(3 n^2 - 3 n - 18) a(n + 1) + (-13 n^2 - 65 n - 96) a(n + 2)$$

$$+ (10 n^2 + 47 n + 51) a(n + 3), a(0) = -1, a(1) = 6, a(2) = 18\}$$

Sequence: A034857
Score: 6.17116
Type of gen. func.: ogf

$$(37 f(x) + 91) ($$

$$f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 x^3 - 4 f(x) x + 12 x^2 + f(x) - 10 x + 1$$

)

Sequence: A034858
Score: 5.96679
Type of gen. func.: ogf

$$\frac{7 x^4 - 25 x^3 + 27 x^2 - 3 x - 7}{(x - 1)^5}$$

Sequence: A034858
Score: 8.82681
Type of gen. func.: lgdogf

$$- \frac{7 x^4 - 22 x^3 + 6 x^2 + 42 x - 38}{(x - 1) (7 x^4 - 25 x^3 + 27 x^2 - 3 x - 7)}$$

Sequence: A034859
Score: 5.77094
Type of gen. func.: ogf

$$\frac{3 x^6 - 7 x^5 + 7 x^3 + 2 x^2 - 5 x - 1}{(x - 1)^5}$$

Sequence: A034859
Score: 7.63711
Type of gen. func.: lgdogf

$$\frac{(x^2 - x - 1) (3 x^4 - 15 x^3 + 23 x^2 - 6 x - 10)}{(x - 1) (3 x^6 - 7 x^5 + 7 x^3 + 2 x^2 - 5 x - 1)}$$

Sequence: A034860
Score: 10.2770
Type of gen. func.: egf]

$$-\frac{3(1+7x)}{(x-1)^5}$$

Sequence: A034860
Score: 20.7769
Type of gen. func.: lgdegf]

$$-\frac{4(3+7x)}{(1+7x)(x-1)}$$

Sequence: A034860
Score: 4.27714
Type of gen. func.: ogf

$$\{(7n^2+49n+70)a(n+1)+(2n^2+13n+42)a(n+2)$$
$$+(-2n-6)a(n+3),\ a(0)=3,\ a(1)=36,\ a(2)=300\}$$

Sequence: A034861
Score: 12.6153
Type of gen. func.: lgdegf]

$$-\frac{5(14x^2+44x+5)}{(x-1)(14x^2+32x-1)}$$

Sequence: A034861
Score: 6.58203
Type of gen. func.: egf]

$$-\frac{8(14x^2+32x-1)}{(x-1)^7}$$

Sequence: A034862
Score: 3.83078
Type of gen. func.: ogf

$$\{(898 n^3 + 8688 n^2 + 20990 n) a(n)$$

$$+ (309 n^3 + 2677 n^2 + 9864 n + 16296) a(n + 1)$$

$$+ (-309 n^2 - 1103 n - 970) a(n + 2), a(0) = 4, a(1) = 200\}$$

Sequence: A034862
Score: 5.03914
Type of gen. func.: egf]

$$\frac{4 (3 x^7 - 21 x^6 + 63 x^5 - 105 x^4 + 105 x^3 - 91 x^2 - 43 x - 1)}{(x - 1)^7}$$

Sequence: A034863
Score: 5.05256
Type of gen. func.: egf]

$$\frac{71 x^3 + 577 x^2 + 253 x - 61}{(x - 1)^8}$$

Sequence: A034863
Score: 7.45824
Type of gen. func.: lgdegf]

$$- \frac{5 (71 x^3 + 735 x^2 + 585 x - 47)}{(x - 1) (71 x^3 + 577 x^2 + 253 x - 61)}$$

Sequence: A034865
Score: 57.1847
Type of gen. func.: lgdegf]

$$- \frac{6}{x - 1}$$

Sequence: A034865
Score: 6.12339
Type of gen. func.: ogf

$$\{(-n^2 - 8 n - 12) a(n + 1) + (n + 1) a(n + 2), a(0) = 0, a(1) = 60\}$$

Sequence: A034865
Score: 9.47867
Type of gen. func.: egf]

$$\frac{60 x}{(x - 1)^6}$$

Sequence: A034866
Score: 3.74854
Type of gen. func.: egf]

$$\frac{4 (x^6 - 6 x^5 + 15 x^4 - 20 x^3 + 15 x^2 + 9 x + 1)}{(x - 1)^6}$$

Sequence: A034866
Score: 8.16924
Type of gen. func.: lgdegf]

$$- \frac{15 (5 x + 1)}{(x - 1) (x^6 - 6 x^5 + 15 x^4 - 20 x^3 + 15 x^2 + 9 x + 1)}$$

Sequence: A034887
Score: 12.2950
Type of gen. func.: ogf

$$\frac{x^7 + x^4 + 1}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A034896

Score: 7.94972
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4 x^8 - 4 x^7 + 6 x^6 - 4 x^5 - 2 x^4 + 2 x^3 + 8 x^2 - 6 x + 4}{-x^9 - x^6 - x^3 - 1}$$

Sequence: A034899
Score: 30.8445
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{2}{-2 x + 1}$$

Sequence: A034904
Score: 4.86446
Type of gen. func.: ogf

$$\{(-49 n - 105) a(n + 1) + (n + 3) a(n + 2), a(0) = 1, a(1) = 28\}$$

Sequence: A034904
Score: 7.79590
Type of gen. func.: revogf

$$\frac{x (16807 x^6 + 16807 x^5 + 7203 x^4 + 1715 x^3 + 245 x^2 + 21 x + 1)}{(1 + 7 x)^7}$$

Sequence: A034908
Score: 16.0736
Type of gen. func.: revegf]

$$\frac{x (x + 1) (2 x^2 + 2 x + 1)}{(1 + 2 x)^4}$$

Sequence: A034908
Score: 31.1426
Type of gen. func.: lgdegf]

$$-10 + (1 - 8 x) f(x)$$

Sequence: A034908
Score: 7.74411
Type of gen. func.: ogf

$$\{(-8 n - 18) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 10\}$$

Sequence: A034909
Score: 26.7205
Type of gen. func.: lgdegf]

$$-11 + (1 - 8 x) f(x)$$

Sequence: A034909
Score: 4.86760
Type of gen. func.: ogf

$$\{(-8 n - 19) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 11\}$$

Sequence: A034910
Score: 22.9182
Type of gen. func.: revegf]

$$\frac{x (1 + 2 x)}{(4 x + 1)^2}$$

Sequence: A034910
Score: 36.2871
Type of gen. func.: lgdegf]

$$- \frac{12}{8 x - 1}$$

Sequence: A034910
Score: 4.95557
Type of gen. func.: ogf

$$\{(-8 n - 20) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 12\}$$

Sequence: A034910
Score: 7.18939
Type of gen. func.: egf]

$$-512 f(x)^2 x^3 + 192 f(x)^2 x^2 - 24 f(x)^2 x + f(x)^2 - 1$$

Sequence: A034911
Score: 27.2153
Type of gen. func.: lgdegf]

$$-13 + (1 - 8 x) f(x)$$

Sequence: A034911
Score: 4.95557
Type of gen. func.: ogf

$$\{(-8 n - 21) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 13\}$$

Sequence: A034911
Score: 8.06379
Type of gen. func.: revegf]

$$\frac{-1 + (5 x + 1)^{(3/5)} + 5 (5 x + 1)^{(3/5)} x}{8 (5 x + 1)^{8/5}}$$

Sequence: A034912
Score: 27.2153
Type of gen. func.: lgdegf]

$$-14 + (1 - 8 x) f(x)$$

Sequence: A034912
Score: 4.95557
Type of gen. func.: ogf

$$\{(-8 n - 22) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 14\}$$

Sequence: A034912
Score: 8.06379
Type of gen. func.: revegf]

$$\frac{-1 + 6 (6 x + 1)^{(1/3)} x + (6 x + 1)^{(1/3)}}{8 (6 x + 1)^{4/3}}$$

Sequence: A034933
Score: 7.64972
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{3 x^8 - 4 x^7 + 6 x^6 - 3 x^5 - 2 x^4 + 2 x^3 + 6 x^2 - 6 x + 4}{-x^9 - x^6 - x^3 - 1}$$

Sequence: A034942
Score: 6.36172
Type of gen. func.: ogf

$$-5 f(x)^2 x^4 + f(x)^2 x^3 - 10 f(x) x^3 + 17 f(x) x^2 - 8 f(x) x - x^2 + f(x) + 2 x - 1$$

Sequence: A034943
Score: 11.2455
Type of gen. func.: ogf

$$\frac{2 x - 1}{x^3 - 2 x^2 + 3 x - 1}$$

Sequence: A034943
Score: 12.6640
Type of gen. func.: lgdogf

$$-\frac{(x-1)\,(4\,x^{2}-3\,x+1)}{(2\,x-1)\,(x^{3}-2\,x^{2}+3\,x-1)}$$

Sequence: A034943
Score: 5.32154
Type of gen. func.: ogf

$$\{a(n+3)-3\,a(n+2)+2\,a(n+1)-a(n),\ a(0)=1,\ a(1)=1,\ a(2)=1\}$$

Sequence: A034943
Score: 5.78652
Type of gen. func.: ogf

$$(f(x)-1)\,(f(x)\,x^{3}-2\,f(x)\,x^{2}+3\,f(x)\,x-f(x)-2\,x+1)$$

Sequence: A034948
Score: 5.85405
Type of gen. func.: ogf

$$-x^{3}\,(9\,x^{18}-x^{17}-x^{16}-x^{14}-x^{12}-x^{10}-x^{8}-x^{6}-x^{4}-x^{2}-1)\ /\ \big((x^{2}+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{4}-x^{3}+x^{2}-x+1)\,(x^{8}-x^{6}+x^{4}-x^{2}+1)\,(x-1)^{2}\,(x+1)^{2}\big)$$

Sequence: A034949
Score: 3.56590
Type of gen. func.: ogf_with_Euler_transform]

$$-(-3\,x^{15}+2\,x^{14}-3\,x^{13}+2\,x^{12}-x^{11}+2\,x^{10}-3\,x^{9}+2\,x^{8}-2\,x^{7}+2\,x^{6}-3\,x^{5}+2\,x^{4}-x^{3}+2\,x^{2}-3\,x+2)\ /\ (x^{16}-1)$$

Sequence: A034950
Score: 8.08854
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3 x^{7} - 2 x^{6} + 3 x^{5} - 2 x^{4} + 2 x^{3} - 2 x^{2} + 3 x - 2}{-x^{8} + 1}$$

Sequence: A034951
Score: 10.4659
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4 x^{7} + 2 x^{6} - x^{5} + 2 x^{4} - 5 x^{3} + 2 x^{2} - x + 2}{x^{8} - 1}$$

Sequence: A034952
Score: 12.9874
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-6 x^{3} - 2 x^{2} - 2 x - 2}{x^{4} - 1}$$

Sequence: A034967
Score: 10.6093
Type of gen. func.: ogf

$$-100 f(x) x^{2} + 20 f(x) x - f(x) + 45 x$$

Sequence: A034967
Score: 12.8531
Type of gen. func.: ogf

$$\frac{45 x}{(10 x - 1)^{2}}$$

Sequence: A034967
Score: 20.7391
Type of gen. func.: revogf

$$\frac{4\ x}{5\ (3 + (9 + 8\ x)^{1/2})^{2}}$$

Sequence: A034967
Score: 39.8829
Type of gen. func.: lgdogf

$$- \frac{20}{10\ x - 1}$$

Sequence: A034967
Score: 6.19973
Type of gen. func.: ogf

$$\{a(n + 2) - 20\ a(n + 1) + 100\ a(n),\ a(0) = 0,\ a(1) = 45\}$$

Sequence: A034975
Score: 27.5452
Type of gen. func.: lgdegf]

$$-15 + (1 - 8\ x)\ f(x)$$

Sequence: A034975
Score: 5.01421
Type of gen. func.: ogf

$$\{(-8\ n - 23)\ a(n + 1) + a(n + 2),\ a(0) = 1,\ a(1) = 15\}$$

Sequence: A034975
Score: 8.16154
Type of gen. func.: revegf]

$$\frac{-1 + (1 + 7\ x)^{(1/7)} + 7\ (1 + 7\ x)^{(1/7)}\ x}{8\ (1 + 7\ x)^{8/7}}$$

Sequence: A034976
Score: 12.8937
Type of gen. func.: egf]

$$\frac{1}{(8 x - 1)^2}$$

Sequence: A034976
Score: 36.7269
Type of gen. func.: lgdegf]

$$-\frac{16}{8 x - 1}$$

Sequence: A034976
Score: 48.9692
Type of gen. func.: revegf]

$$\frac{x}{1 + 8 x}$$

Sequence: A034976
Score: 5.01421
Type of gen. func.: ogf

$$\{(-8 n - 24) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 16\}$$

Sequence: A034976
Score: 7.42658
Type of gen. func.: egf]

$$(5 f(x) + 11) (64 f(x) x^2 - 16 f(x) x + f(x) - 1)$$

Sequence: A034977
Score: 11.1854
Type of gen. func.: lgdogf

$$64 + (-16 + 1024 x) f(x) + (4096 x^2 - 128 x + 1) f(x)^2$$

Sequence: A034977
Score: 4.95625
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (72 + 64 n) a(n + 1), a(0) = 1, a(1) = 8\}$$

Sequence: A034996
Score: 4.37400
Type of gen. func.: ogf

$$\{(-64 n - 136) a(n + 1) + (n + 3) a(n + 2), a(0) = 1, a(1) = 36\}$$

Sequence: A034996
Score: 6.69327
Type of gen. func.: revogf

$$\frac{x (4 x + 1) (32 x^2 + 8 x + 1) (2048 x^4 + 1024 x^3 + 192 x^2 + 16 x + 1)}{(1 + 8 x)^8}$$

Sequence: A034998
Score: 21.8650
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{8}{x + 1}$$

Sequence: A034999
Score: 13.6651
Type of gen. func.: ogf

$$\frac{(3 x - 1) (x - 1)}{7 x^2 - 6 x + 1}$$

Sequence: A034999
Score: 15.1147

Type of gen. func.: lgdogf

$$-\frac{2\,(7 x^2 - 7 x + 2)}{(2 x - 1)\,(7 x^2 - 6 x + 1)}$$

Sequence: A034999
Score: 15.9317
Type of gen. func.: revogf

$$-\frac{-1 - 3 x + (2 x^2 + 2 x + 1)^{1/2}}{4 + 7 x}$$

Sequence: A034999
Score: 7.10047
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 7 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 8\}$$

Sequence: A034999
Score: 7.46646
Type of gen. func.: ogf

$$-(-2 + 9 f(x))\,(7 f(x) x^2 - 6 f(x) x - 3 x^2 + f(x) + 4 x - 1)$$

Sequence: A035005
Score: 10.7506
Type of gen. func.: ogf

$$\frac{4 x\,(2 x + 3)}{(x - 1)^4}$$

Sequence: A035005
Score: 29.1161
Type of gen. func.: lgdogf

$$-\frac{2\,(7 + 3 x)}{}$$

$$(2 x + 3) (x - 1)$$

Sequence: A035005
Score: 4.66801
Type of gen. func.: ogf

$$\{(6 + 3 n) a(n + 3) + (-15 - n) a(n + 2) + (-2 n - 6) a(n + 1), a(0) = 0,$$
$$a(1) = 12, a(2) = 56\}$$

Sequence: A035005
Score: 5.25583
Type of gen. func.: ogf

$$(72625 f(x) + 637226)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 8 x^2 + f(x) - 12 x)$$

Sequence: A035006
Score: 11.1926
Type of gen. func.: ogf

$$\frac{4 x (x + 2)}{(x - 1)^4}$$

Sequence: A035006
Score: 35.8303
Type of gen. func.: lgdogf

$$- \frac{3 (x + 3)}{(x + 2) (x - 1)}$$

Sequence: A035006
Score: 4.81800
Type of gen. func.: ogf

$$\{(4 + 2 n) a(n + 3) + (-10 - n) a(n + 2) + (-3 - n) a(n + 1), a(0) = 0,$$
$$a(1) = 8, a(2) = 36\}$$

Sequence: A035006
Score: 5.51149
Type of gen. func.: ogf

$$(7263 f(x) + 39878)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 4 x^2 + f(x) - 8 x)$$

Sequence: A035007
Score: 3.13832
Type of gen. func.: ogf

$$\frac{4 x (x + 1)}{(x - 1)^4}$$

Sequence: A035007
Score: 9.30912
Type of gen. func.: lgdogf

$$- \frac{3 x + 5}{(x - 1) (x + 1)}$$

Sequence: A035007
Score: 9.50600
Type of gen. func.: ogf_with_Euler_transform]

$$[5 - x]$$

Sequence: A035008
Score: 16.4945
Type of gen. func.: ogf

$$- \frac{16 x}{(x - 1)^3}$$

Sequence: A035008
Score: 6.71458
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 16, a(2) = 48\}$$

Sequence: A035008
Score: 9.72752
Type of gen. func.: ogf

$$f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 16 x$$

Sequence: A035008
Score: 93.4417
Type of gen. func.: lgdogf

$$- \frac{3}{x - 1}$$

Sequence: A035011
Score: 3.40736
Type of gen. func.: ogf

$$-f(x)^2 x^3 + 2 f(x)^2 x^2 - f(x) x^3 - f(x)^2 x + 5 f(x) x^2 - 5 f(x) x + f(x) - x$$

Sequence: A035012
Score: 27.2153
Type of gen. func.: lgdegf]

$$-11 + (1 - 9 x) f(x)$$

Sequence: A035012
Score: 4.95557
Type of gen. func.: ogf

$$\{(-9 n - 20) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 11\}$$

Sequence: A035013
Score: 17.4178
Type of gen. func.: revegf]

$$\frac{x (3 x^2 + 3 x + 1)}{(3 x + 1)^3}$$

Sequence: A035013
Score: 27.2153
Type of gen. func.: lgdegf]

$$-12 + (1 - 9 x) f(x)$$

Sequence: A035013
Score: 4.95557
Type of gen. func.: ogf

$$\{(-9 n - 21) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 12\}$$

Sequence: A035016
Score: 17.1495
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-8 x - 16}{x^2 - 1}$$

Sequence: A035017
Score: 27.3802
Type of gen. func.: lgdegf]

$$-13 + (1 - 9 x) f(x)$$

Sequence: A035017
Score: 4.98489
Type of gen. func.: ogf

$$\{(-9 n - 22) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 13\}$$

Sequence: A035017
Score: 5.84112

Type of gen. func.: revegf]

$$\frac{-1 + (4 x + 1)^{(1/4)} + 8 (4 x + 1)^{(1/4)} x + 16 (4 x + 1)^{(1/4)} x^2}{9 (4 x + 1)^{9/4}}$$

Sequence: A035018
Score: 27.5452
Type of gen. func.: lgdegf]

$$-14 + (1 - 9 x) f(x)$$

Sequence: A035018
Score: 5.01421
Type of gen. func.: ogf

$$\{(-9 n - 23) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 14\}$$

Sequence: A035018
Score: 8.16154
Type of gen. func.: revegf]

$$\frac{-1 + (5 x + 1)^{(4/5)} + 5 (5 x + 1)^{(4/5)} x}{9 (5 x + 1)^{9/5}}$$

Sequence: A035020
Score: 27.8751
Type of gen. func.: lgdegf]

$$-15 + (1 - 9 x) f(x)$$

Sequence: A035020
Score: 5.07286
Type of gen. func.: ogf

$$\{(-9 n - 24) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 15\}$$

Sequence: A035020
Score: 8.25928
Type of gen. func.: revegf]

$$\frac{-1 + 6 (6 x + 1)^{1/2} x + (6 x + 1)^{1/2}}{9 (6 x + 1)^{3/2}}$$

Sequence: A035021
Score: 28.2050
Type of gen. func.: lgdegf]

$$-16 + (1 - 9 x) f(x)$$

Sequence: A035021
Score: 5.13151
Type of gen. func.: ogf

$$\{(-9 n - 25) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 16\}$$

Sequence: A035021
Score: 8.35702
Type of gen. func.: revegf]

$$\frac{-1 + (1 + 7 x)^{(2/7)} + 7 (1 + 7 x)^{(2/7)} x}{9 (1 + 7 x)^{9/7}}$$

Sequence: A035022
Score: 28.6998
Type of gen. func.: lgdegf]

$$-17 + (1 - 9 x) f(x)$$

Sequence: A035022
Score: 5.21948
Type of gen. func.: ogf

$$\{(-9 n - 26) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 17\}$$

Sequence: A035022
Score: 8.50364
Type of gen. func.: revegf]

$$\frac{-1 + (1 + 8 x)^{(1/8)} + 8 (1 + 8 x)^{(1/8)} x}{9 (1 + 8 x)^{9/8}}$$

Sequence: A035023
Score: 13.4215
Type of gen. func.: egf]

$$\frac{1}{(9 x - 1)^{2}}$$

Sequence: A035023
Score: 41.7451
Type of gen. func.: lgdegf]

$$- \frac{18}{9 x - 1}$$

Sequence: A035023
Score: 5.21948
Type of gen. func.: ogf

$$\{(-9 n - 27) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 18\}$$

Sequence: A035023
Score: 51.0218
Type of gen. func.: revegf]

$$\frac{x}{1 + 9 x}$$

Sequence: A035023

Score: 7.72364
Type of gen. func.: egf]

$$(5 f(x) + 11) (81 f(x) x^2 - 18 f(x) x + f(x) - 1)$$

Sequence: A035024
Score: 28.5348
Type of gen. func.: lgdogf

$$-9 + (1 - 81 x) f(x)$$

Sequence: A035024
Score: 4.40674
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (90 + 81 n) a(n + 1), a(0) = 1, a(1) = 9\}$$

Sequence: A035028
Score: 3.66065
Type of gen. func.: ogf

$$\{(n + 2) a(n + 1) + (-7 n - 20) a(n + 2) + (7 n + 36) a(n + 3)$$
$$+ (-n - 6) a(n + 4), a(0) = 4, a(1) = 20, a(2) = 104, a(3) = 552\}$$

Sequence: A035028
Score: 5.67261
Type of gen. func.: ogf

$$-f(x)^2 x^4 + 6 f(x)^2 x^3 - f(x)^2 x^2 - f(x) x^3 + 5 f(x) x^2 + 5 f(x) x - f(x) + 4$$

Sequence: A035029
Score: 6.41337
Type of gen. func.: ogf

$$4 f(x)^2 x^4 - 24 f(x)^2 x^3 + 4 f(x)^2 x^2 + f(x) x^3 - 5 f(x) x^2 - 5 f(x) x + f(x)$$
$$- 1$$

Sequence: A035038
Score: 10.1647
Type of gen. func.: ogf

$$-\frac{x^6}{(2x-1)(x-1)^6}$$

Sequence: A035038
Score: 31.9981
Type of gen. func.: lgdogf

$$-\frac{2(-4+7x)}{(2x-1)(x-1)}$$

Sequence: A035038
Score: 4.12939
Type of gen. func.: ogf

{(-2 n - 4) a(n + 1) + (3 n - 4) a(n + 2) + (-n + 3) a(n + 3), a(0) = 0,

a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 1}

Sequence: A035039
Score: 25.7851
Type of gen. func.: lgdogf

$$-\frac{-9+16x}{(2x-1)(x-1)}$$

Sequence: A035039
Score: 7.20716
Type of gen. func.: ogf

$$\frac{x^7}{(2x-1)(x-1)^7}$$

Sequence: A035040

Score: 16.9581
Type of gen. func.: lgdogf

$$a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 10, a(1) = 12$$

Sequence: A035040
Score: 6.57759
Type of gen. func.: ogf

$$-\frac{x^8}{(2 x - 1) (x - 1)^8}$$

Sequence: A035041
Score: 17.8081
Type of gen. func.: lgdogf

$$a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 11, a(1) = 13$$

Sequence: A035041
Score: 6.20262
Type of gen. func.: ogf

$$\frac{x^9}{(2 x - 1) (x - 1)^9}$$

Sequence: A035042
Score: 17.5436
Type of gen. func.: lgdogf

$$a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 12, a(1) = 14$$

Sequence: A035042
Score: 5.44470
Type of gen. func.: ogf

$$-\frac{x^{10}}{{}^{10}}$$

$$(2 x - 1) (x - 1)$$

Sequence: A035045
Score: 3.39560
Type of gen. func.: ogf

$$\{(-3 n^2 - 15 n - 18) a(n + 1) + (-5 n^2 - 41 n - 78) a(n + 2) + (-n^2 - 15 n - 52) a(n + 3) + (n^2 + 11 n + 28) a(n + 4), a(0) = 1, a(1) = 4, a(2) = 12, a(3) = 35\}$$

Sequence: A035045
Score: 7.55281
Type of gen. func.: ogf

$$-3 f(x)^2 x^4 + f(x)^2 x^3 - 3 f(x) x^2 - 2 f(x) x - x^2 + f(x) - 2 x - 1$$

Sequence: A035097
Score: 4.61835
Type of gen. func.: ogf

$$\{(-81 n - 171) a(n + 1) + (n + 3) a(n + 2), a(0) = 1, a(1) = 45\}$$

Sequence: A035097
Score: 5.81222
Type of gen. func.: revogf

$$(27 x^2 + 9 x + 1) (177147 x^6 + 118098 x^5 + 32805 x^4 + 5103 x^3 + 486 x^2 + 27 x + 1) x / (1 + 9 x)^9$$

Sequence: A035101
Score: 4.29729
Type of gen. func.: egf]

```
         2  4           2  3           2  2          2              2       2
```

$$-16 f(x) x + 32 f(x) x - 24 f(x) x + 8 f(x) x + 8 f(x) x - f(x) - 8 f(x) x + 2 f(x) - 2 x$$

Sequence: A035101
Score: 4.41666
Type of gen. func.: ogf

$$\{(4 n^2 + 22 n + 30) a(n + 1) + (-4 n - 13) a(n + 2) + a(n + 3), a(0) = 0, a(1) = 1, a(2) = 9\}$$

Sequence: A035104
Score: 11.9058
Type of gen. func.: ogf

$$\frac{3 x^3 - x^2 - 2 x - 1}{(x + 1) (x - 1)^3}$$

Sequence: A035104
Score: 14.1311
Type of gen. func.: lgdogf

$$-\frac{3 x^4 + 4 x^3 + x^2 - 10 x - 4}{(x - 1) (x + 1) (3 x^3 - x^2 - 2 x - 1)}$$

Sequence: A035104
Score: 6.51987
Type of gen. func.: ogf

$$(1018 f(x) - 69927) (f(x) x^4 - 2 f(x) x^3 - 3 x^3 + 2 f(x) x + x^2 - f(x) + 2 x + 1)$$

Sequence: A035106
Score: 11.4645
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1)\,(x^2 - x - 1)}{(x + 1)\,(x - 1)^3}$$

Sequence: A035106
Score: 16.0929
Type of gen. func.: lgdogf

$$-\frac{2\,(x^3 - 2\,x^2 - x - 1)}{(x - 1)\,(x + 1)\,(x^2 - x + 1)\,(x^2 - x - 1)}$$

Sequence: A035106
Score: 6.43778
Type of gen. func.: ogf

$$-(95\,f(x) - 324)\,(f(x)\,x^4 - 2\,f(x)\,x^3 - x^4 + 2\,x^3 + 2\,f(x)\,x - x^2 - f(x) + 1)$$

Sequence: A035107
Score: 13.8168
Type of gen. func.: lgdogf

$$-\frac{4\,x^4 - 6\,x^3 - 6\,x^2 + 7\,x + 9}{(x - 1)\,(x + 1)\,(2\,x^3 - 4\,x^2 + 3)}$$

Sequence: A035107
Score: 9.39916
Type of gen. func.: ogf

$$\frac{2\,x^3 - 4\,x^2 + 3}{(x + 1)\,(x - 1)^4}$$

Sequence: A035118
Score: 24.8012
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{72}{x-1}$$

Sequence: A035119
Score: 3.07000
Type of gen. func.: ogf

$$\{(-4 n^3 - 30 n^2 - 74 n - 60) a(n + 1) + (4 n^2 + 19 n + 18) a(n + 2) + (-1 - n) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A035150
Score: 22.8836
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{96}{x-1}$$

Sequence: A035162
Score: 8.54338
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^6 - x^5 + x^4 - x^3 + x^2 - x + 1}{-x^7 - 1}$$

Sequence: A035174
Score: 14.3454
Type of gen. func.: ogf

$$\frac{1}{2048 x^2 + 24 x + 1}$$

Sequence: A035174
Score: 17.9634
Type of gen. func.: lgdogf

$$8 (3 + 512 x)$$

$$-\frac{\quad}{2048 x^2 + 24 x + 1}$$

Sequence: A035174
Score: 5.83272
Type of gen. func.: ogf

$$-(55 f(x) - 64) (2048 f(x) x^2 + 24 f(x) x + f(x) - 1)$$

Sequence: A035174
Score: 6.10090
Type of gen. func.: ogf

$$\{-a(n + 2) - 24 a(n + 1) - 2048 a(n), a(0) = 1, a(1) = -24\}$$

Sequence: A035190
Score: 21.6673
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{120}{x - 1}$$

Sequence: A035265
Score: 25.9249
Type of gen. func.: lgdegf]

$$-12 + (1 - 10 x) f(x)$$

Sequence: A035265
Score: 4.95911
Type of gen. func.: ogf

$$\{(-10 n - 22) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 12\}$$

Sequence: A035265
Score: 9.79384
Type of gen. func.: revegf]

$$\frac{x\,(16\,x^4 + 40\,x^3 + 40\,x^2 + 20\,x + 5)}{5\,(1 + 2\,x)^5}$$

Sequence: A035272
Score: 26.2354
Type of gen. func.: lgdegf]

$$-13 + (1 - 10\,x)\,f(x)$$

Sequence: A035272
Score: 5.01711
Type of gen. func.: ogf

$$\{(-10\,n - 23)\,a(n + 1) + a(n + 2),\ a(0) = 1,\ a(1) = 13\}$$

Sequence: A035273
Score: 27.0116
Type of gen. func.: lgdegf]

$$-14 + (1 - 10\,x)\,f(x)$$

Sequence: A035273
Score: 5.16212
Type of gen. func.: ogf

$$\{(-10\,n - 24)\,a(n + 1) + a(n + 2),\ a(0) = 1,\ a(1) = 14\}$$

Sequence: A035273
Score: 6.04206
Type of gen. func.: revegf]

$$\frac{-1 + (4\,x + 1)^{1/2} + 8\,(4\,x + 1)^{1/2}\,x + 16\,(4\,x + 1)^{1/2}\,x^2}{10\,(4\,x + 1)^{5/2}}$$

Sequence: A035274
Score: 19.9651

Type of gen. func.: revegf]

$$\frac{x\,(2 + 5\,x)}{2\,(5\,x + 1)^2}$$

Sequence: A035274
Score: 35.3228
Type of gen. func.: lgdegf]

$$-\frac{15}{10\,x - 1}$$

Sequence: A035274
Score: 5.16212
Type of gen. func.: ogf

$$\{(-10\,n - 25)\,a(n + 1) + a(n + 2),\ a(0) = 1,\ a(1) = 15\}$$

Sequence: A035274
Score: 7.45731
Type of gen. func.: egf]

$$-1000\,f(x)^2\,x^3 + 300\,f(x)^2\,x^2 - 30\,f(x)^2\,x + f(x)^2 - 1$$

Sequence: A035275
Score: 27.0116
Type of gen. func.: lgdegf]

$$-16 + (1 - 10\,x)\,f(x)$$

Sequence: A035275
Score: 5.16212
Type of gen. func.: ogf

$$\{(-10\,n - 26)\,a(n + 1) + a(n + 2),\ a(0) = 1,\ a(1) = 16\}$$

Sequence: A035275

Score: 8.34903
Type of gen. func.: revegf]

$$\frac{-1 + 6 (6 x + 1)^{(2/3)} x + (6 x + 1)^{(2/3)}}{10 (6 x + 1)^{5/3}}$$

Sequence: A035276
Score: 27.0116
Type of gen. func.: lgdegf]

$$-17 + (1 - 10 x) f(x)$$

Sequence: A035276
Score: 5.16212
Type of gen. func.: ogf

$$\{(-10 n - 27) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 17\}$$

Sequence: A035276
Score: 8.19994
Type of gen. func.: revegf]

$$\frac{-1 + (1 + 7 x)^{(3/7)} + 7 (1 + 7 x)^{(3/7)} x}{10 (1 + 7 x)^{10/7}}$$

Sequence: A035277
Score: 27.0116
Type of gen. func.: lgdegf]

$$-18 + (1 - 10 x) f(x)$$

Sequence: A035277
Score: 5.16212
Type of gen. func.: ogf

$$\{(-10 n - 28) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 18\}$$

Sequence: A035277
Score: 8.34903
Type of gen. func.: revegf]

$$\frac{-1 + (1 + 8 x)^{(1/4)} + 8 (1 + 8 x)^{(1/4)} x}{10 (1 + 8 x)^{5/4}}$$

Sequence: A035278
Score: 27.1668
Type of gen. func.: lgdegf]

$$-19 + (1 - 10 x) f(x)$$

Sequence: A035278
Score: 5.19112
Type of gen. func.: ogf

$$\{(-10 n - 29) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 19\}$$

Sequence: A035278
Score: 8.24706
Type of gen. func.: revegf]

$$\frac{-1 + 9 (1 + 9 x)^{(1/9)} x + (1 + 9 x)^{(1/9)}}{10 (1 + 9 x)^{10/9}}$$

Sequence: A035279
Score: 13.1220
Type of gen. func.: egf]

$$\frac{1}{(10 x - 1)^2}$$

Sequence: A035279
Score: 35.5258
Type of gen. func.: lgdegf]

$$-\frac{20}{10 x - 1}$$

Sequence: A035279
Score: 46.1836
Type of gen. func.: revegf]

$$\frac{x}{1 + 10 x}$$

Sequence: A035279
Score: 5.19112
Type of gen. func.: ogf

$$\{(-10 n - 30) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 20\}$$

Sequence: A035279
Score: 7.73063
Type of gen. func.: egf]

$$(5 f(x) + 11) (100 f(x) x^2 - 20 f(x) x + f(x) - 1)$$

Sequence: A035286
Score: 22.3703
Type of gen. func.: lgdogf

$$-\frac{3 (x^2 + 2 x - 13)}{(x - 1) (x^2 + x - 8)}$$

Sequence: A035286
Score: 3.70720
Type of gen. func.: ogf

$$\{(145 n^2 + 483 n + 386) a(n + 1) + (-804 n^2 - 5230 n - 9906) a(n + 2)$$

$$+ (659 n^2 + 2691 n + 2032) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 32\}$$

Sequence: A035286
Score: 8.21482
Type of gen. func.: ogf

$$\frac{4 x^2 (x^2 + x - 8)}{(x - 1)^5}$$

Sequence: A035287
Score: 22.0397
Type of gen. func.: lgdogf

$$- \frac{3 (x^2 + 6 x + 3)}{(x - 1) (x^2 + 4 x + 1)}$$

Sequence: A035287
Score: 3.59724
Type of gen. func.: ogf

$\{(n + 3) a(n + 4) + (-3 + 3 n) a(n + 3) + (-21 - 3 n) a(n + 2)$

$+ (-3 - n) a(n + 1), a(0) = 0, a(1) = 4, a(2) = 36, a(3) = 144\}$

Sequence: A035287
Score: 8.52204
Type of gen. func.: ogf

$$- \frac{4 x (x^2 + 4 x + 1)}{(x - 1)^5}$$

Sequence: A035288
Score: 20.9507
Type of gen. func.: lgdogf

$$- \frac{3 x^2 + 14 x + 13}{}$$

$$(x - 1) (x + 2) (x + 1)$$

Sequence: A035288
Score: 3.61452
Type of gen. func.: ogf

$$\{(6 + 2 n) a(n + 4) + (-11 + n) a(n + 3) + (-16 - 2 n) a(n + 2) + (-3 - n) a(n + 1), a(0) = 0, a(1) = 8, a(2) = 52, a(3) = 184\}$$

Sequence: A035288
Score: 8.60600
Type of gen. func.: ogf

$$- \frac{4 x (x + 2) (x + 1)}{(x - 1)^5}$$

Sequence: A035289
Score: 14.5812
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^3 - 6 x^2 - 6 x - 7)}{(x - 1) (4 x^3 - 8 x^2 + x - 3)}$$

Sequence: A035289
Score: 3.76111
Type of gen. func.: ogf

$$\{(14 n^2 + 96 n + 136) a(n + 1) + (-27 n^2 - 119 n - 36) a(n + 2) + (13 n^2 + 27 n + 2) a(n + 3), a(0) = 0, a(1) = 12, a(2) = 56\}$$

Sequence: A035289
Score: 7.40218
Type of gen. func.: ogf

$$4 x (4 x^3 - 8 x^2 + x - 3)$$

$$(x - 1)^5$$

Sequence: A035290
Score: 12.4052
Type of gen. func.: lgdogf

$$-\frac{x^4 - 4x^3 - 6x^2 + 44x + 25}{(x - 1)(x + 1)(x^3 - 5x^2 + 7x + 3)}$$

Sequence: A035290
Score: 6.74756
Type of gen. func.: ogf

$$-\frac{2x^2 (x + 1)(x^3 - 5x^2 + 7x + 3)}{(x - 1)^5}$$

Sequence: A035291
Score: 33.4165
Type of gen. func.: lgdogf

$$-\frac{11 + 4x}{(x + 2)(x - 1)}$$

Sequence: A035291
Score: 4.72532
Type of gen. func.: ogf

$$\{(2 + 2n)a(n + 3) + (-11 - n)a(n + 2) + (-3 - n)a(n + 1), a(0) = 0, a(1) = 0, a(2) = 16\}$$

Sequence: A035291
Score: 8.85998
Type of gen. func.: ogf

$$-\frac{8x^2 (x + 2)}{}$$

$$(x - 1)^5$$

Sequence: A035302
Score: 10.5509
Type of gen. func.: ogf

$$\frac{x (4 x - 1)}{4 x^3 - 4 x^2 + 2 x - 1}$$

Sequence: A035302
Score: 12.2708
Type of gen. func.: lgdogf

$$- \frac{2 (16 x^3 - 14 x^2 + 4 x + 1)}{(4 x - 1) (4 x^3 - 4 x^2 + 2 x - 1)}$$

Sequence: A035302
Score: 5.32212
Type of gen. func.: ogf

$$-(49 f(x) + 30) (4 f(x) x^3 - 4 f(x) x^2 + 2 f(x) x - 4 x^2 - f(x) + x)$$

Sequence: A035302
Score: 5.41802
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - 4 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 1, a(2) = -2\}$$

Sequence: A035308
Score: 22.5146
Type of gen. func.: lgdogf

$$-10 + (1 - 100 x) f(x)$$

Sequence: A035308

Score: 3.81213
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (110 + 100 n) a(n + 1), a(0) = 1, a(1) = 10\}$$

Sequence: A035319
Score: 3.59497
Type of gen. func.: ogf

$$\{(-32 n^3 - 144 n^2 - 214 n - 105) a(n + 1) + (2 n + 5) a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A035323
Score: 4.07097
Type of gen. func.: ogf

$$\{(-100 n - 210) a(n + 1) + (n + 3) a(n + 2), a(0) = 1, a(1) = 55\}$$

Sequence: A035328
Score: 10.0032
Type of gen. func.: ogf

$$\frac{3 x (x^2 + 6 x + 1)}{(x - 1)^4}$$

Sequence: A035328
Score: 22.1032
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 + 10 x + 5)}{(x - 1) (x^2 + 6 x + 1)}$$

Sequence: A035328
Score: 3.87560
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + 5 n a(n + 3) + (-25 - 5 n) a(n + 2) + (-2 - n) a(n + 1),$$

$a(0) = 0, a(1) = 3, a(2) = 30, a(3) = 105\}$

Sequence: A035328
Score: 5.17649
Type of gen. func.: ogf

$$-(400 f(x) + 2907)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 3 x^3 - 4 f(x) x - 18 x^2 + f(x) - 3 x)$$

Sequence: A035329
Score: 14.4228
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^2 - 22 x + 33)}{(x - 1) (5 x^2 - 18 x + 21)}$$

Sequence: A035329
Score: 5.55742
Type of gen. func.: ogf

$$(8080 f(x) + 127797)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 15 x^3 - 4 f(x) x + 54 x^2 + f(x) - 63 x)$$

Sequence: A035329
Score: 7.72647
Type of gen. func.: ogf

$$\frac{3 x (5 x^2 - 18 x + 21)}{(x - 1)^4}$$

Sequence: A035330
Score: 9.78962
Type of gen. func.: lgdogf

```
                                 2                          3      2           2
```

$$-75 + 400 x + (160 x - 60 x + 5) f(x) + (16 x - 8 x + x) f(x)$$

Sequence: A035332
Score: 7.01641
Type of gen. func.: ogf

$$\frac{x^{11} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1}{(x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A035333
Score: 7.84871
Type of gen. func.: lgdogf

$$\frac{280 x^{16} - 450 x^{15} + 150 x^{14} - 539 x^{9} + 555 x^{8} + 184 x^{7} - x + 23}{(x - 1) (20 x^{16} - 10 x^{15} - 77 x^{9} - 23 x^{8} + x - 12)}$$

Sequence: A035344
Score: 14.9995
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (2 x^{2} - 4 x + 1)}$$

Sequence: A035344
Score: 15.4983
Type of gen. func.: lgdogf

$$- \frac{6 x^{2} - 12 x + 5}{(x - 1) (2 x^{2} - 4 x + 1)}$$

Sequence: A035344
Score: 4.91135
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 6 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 5, a(2) = 19\}$$

Sequence: A035344
Score: 5.441
Type of gen. func.: ogf

$$(161 f(x) - 44) (2 f(x) x^3 - 6 f(x) x^2 + 5 f(x) x - f(x) + 1)$$

Sequence: A035360
Score: 18.5269
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^2 - 1}{-x^3 + 1}$$

Sequence: A035361
Score: 18.4337
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^2 + x}{x^3 - 1}$$

Sequence: A035363
Score: 25.4047
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x}{-x^2 + 1}$$

Sequence: A035371
Score: 20.9122
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x - 1}{-x^5 + 1}$$

Sequence: A035377
Score: 23.6391
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^{2}}{-x^{3} + 1}$$

Sequence: A035382
Score: 34.3669
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{1}{-x^{3} + 1}$$

Sequence: A035384
Score: 14.3856
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x}{x^{5} - x^{4} + x^{3} - x^{2} + x - 1}$$

Sequence: A035385
Score: 16.3038
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^{3} - x}{-x^{6} + 1}$$

Sequence: A035386
Score: 30.0128
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x}{-x^{3} + 1}$$

Sequence: A035430
Score: 19.6448
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^{5} - 1}{-x^{7} + 1}$$

Sequence: A035433
Score: 19.3160
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{4} + x}{x^{7} - 1}$$

Sequence: A035435
Score: 17.8006
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^{3} - x^{2}}{-x^{7} + 1}$$

Sequence: A035444
Score: 22.2884
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^{3}}{-x^{4} + 1}$$

Sequence: A035451
Score: 34.3970
Type of gen. func.: ogf_with_Euler_transform]

$$1$$

$$\frac{}{-x^{4} + 1}$$

Sequence: A035457
Score: 25.6140
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x}{-x^{4} + 1}$$

Sequence: A035460
Score: 18.1250
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{2}}{x^{6} - x^{4} + x^{2} - 1}$$

Sequence: A035462
Score: 30.5202
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^{2}}{-x^{4} + 1}$$

Sequence: A035471
Score: 11.1100
Type of gen. func.: lgdogf

$$-\frac{8 (x + 1) (x^{2} + 6 x + 1)}{(x - 1) (x^{4} + 4 x^{3} + 22 x^{2} + 4 x + 1)}$$

Sequence: A035471
Score: 3.7931
Type of gen. func.: ogf

$$-(35 f(x) + 216) (f(x) x^4 - 4 f(x) x^3 - x^4 + 6 f(x) x^2 - 4 x^3 - 4 f(x) x - 22 x^2 + f(x) - 4 x - 1)$$

Sequence: A035471
Score: 6.74819
Type of gen. func.: ogf

$$\frac{x^4 + 4 x^3 + 22 x^2 + 4 x + 1}{(x - 1)^4}$$

Sequence: A035472
Score: 5.72397
Type of gen. func.: ogf

$$\frac{(x^2 + 6 x + 1) (x^4 + 14 x^2 + 1)}{(x - 1)^6}$$

Sequence: A035472
Score: 8.65773
Type of gen. func.: lgdogf

$$- \frac{12 (x + 1) (x^4 + 4 x^3 + 22 x^2 + 4 x + 1)}{(x - 1) (x^2 + 6 x + 1) (x^4 + 14 x^2 + 1)}$$

Sequence: A035473
Score: 4.86154
Type of gen. func.: ogf

$$\frac{x^8 + 8 x^7 + 28 x^6 + 56 x^5 + 326 x^4 + 56 x^3 + 28 x^2 + 8 x + 1}{(x - 1)^8}$$

Sequence: A035473
Score: 7.96226
Type of gen. func.: lgdogf

$$-\frac{16 (x + 1) (x^2 + 6 x + 1) (x^4 + 14 x^2 + 1)}{(x - 1) (x^8 + 8 x^7 + 28 x^6 + 56 x^5 + 326 x^4 + 56 x^3 + 28 x^2 + 8 x + 1)}$$

Sequence: A035474
Score: 3.66895
Type of gen. func.: ogf

$$(x^2 + 6 x + 1) (x^8 + 4 x^7 + 20 x^6 - 4 x^5 + 214 x^4 - 4 x^3 + 20 x^2 + 4 x + 1) \bigg/ (x - 1)^{10}$$

Sequence: A035508
Score: 11.9258
Type of gen. func.: ogf

$$\frac{x (x - 2)}{(x - 1) (x^2 - 3 x + 1)}$$

Sequence: A035508
Score: 13.9536
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 10 x^2 + 16 x - 7}{(x - 2) (x - 1) (x^2 - 3 x + 1)}$$

Sequence: A035508
Score: 6.12405
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 4 a(n + 1) + a(n), a(0) = 0, a(1) = 2, a(2) = 7\}$$

Sequence: A035508
Score: 6.23642
Type of gen. func.: ogf

$$(88 f(x) - 63) (f(x) x^3 - 4 f(x) x^2 + 4 f(x) x - x^2 - f(x) + 2 x)$$

Sequence: A035520
Score: 3.32278
Type of gen. func.: ogf

$$\{(-4 n^3 - 30 n^2 - 74 n - 60) a(n + 1) + (4 n^2 + 17 n + 9) a(n + 2) - n a(n + 3)$$

$$, a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$$

Sequence: A035597
Score: 33.1861
Type of gen. func.: ogf_with_Euler_transform]

$$[6 - 2 x]$$

Sequence: A035597
Score: 34.5571
Type of gen. func.: lgdogf

$$- \frac{2 (x + 3)}{(x - 1) (x + 1)}$$

Sequence: A035597
Score: 4.97911
Type of gen. func.: ogf

$$-(140 f(x) + 251)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 2 x^3 - 4 f(x) x - 4 x^2 + f(x) - 2 x)$$

Sequence: A035597
Score: 5.23922
Type of gen. func.: ogf

$$\{(n + 2) a(n + 3) - 6 a(n + 2) + (-2 - n) a(n + 1), a(0) = 0, a(1) = 2,$$

a(2) = 12}

Sequence: A035597
Score: 9.61719
Type of gen. func.: ogf

$$\frac{2 x (x + 1)^2}{(x - 1)^4}$$

Sequence: A035598
Score: 32.4676
Type of gen. func.: ogf_with_Euler_transform]

[8 - 3 x]

Sequence: A035598
Score: 33.8531
Type of gen. func.: lgdogf

$$- \frac{2 (x + 4)}{(x - 1) (x + 1)}$$

Sequence: A035598
Score: 5.13164
Type of gen. func.: ogf

{(n + 2) a(n + 3) - 8 a(n + 2) + (-2 - n) a(n + 1), a(0) = 0, a(1) = 2,

a(2) = 16}

Sequence: A035598
Score: 7.55648
Type of gen. func.: ogf

$$- \frac{2 x (x + 1)^3}{(x - 1)^5}$$

Sequence: A035599
Score: 30.4562
Type of gen. func.: ogf_with_Euler_transform]

$$[10 - 4 x]$$

Sequence: A035599
Score: 33.3097
Type of gen. func.: lgdogf

$$- \frac{2 (x + 5)}{(x - 1) (x + 1)}$$

Sequence: A035599
Score: 5.01108
Type of gen. func.: ogf

{(n + 2) a(n + 3) - 10 a(n + 2) + (-2 - n) a(n + 1), a(0) = 0, a(1) = 2,

a(2) = 20}

Sequence: A035599
Score: 6.20639
Type of gen. func.: ogf

$$\frac{2 x (x + 1)^4}{(x - 1)^6}$$

Sequence: A035600
Score: 35.1204
Type of gen. func.: ogf_with_Euler_transform]

$$[12 - 5 x]$$

Sequence: A035600
Score: 38.4697
Type of gen. func.: lgdogf

$$2 (6 + x)$$

```
                               - ---------------
                                 (x - 1) (x + 1)



------------------------------------------------------------------------------

Sequence:  A035600
Score: 5.77624
Type of gen. func.: ogf


{(n + 2) a(n + 3) - 12 a(n + 2) + (-2 - n) a(n + 1), a(0) = 0, a(1) = 2,

    a(2) = 24}



------------------------------------------------------------------------------

Sequence:  A035600
Score: 6.04490
Type of gen. func.: ogf


                                              5
                                   2 x (x + 1)
                                 - ------------
                                            7
                                     (x - 1)



------------------------------------------------------------------------------

Sequence:  A035601
Score: 28.7305
Type of gen. func.: ogf_with_Euler_transform]

                                   [14 - 6 x]



------------------------------------------------------------------------------

Sequence:  A035601
Score: 31.4753
Type of gen. func.: lgdogf

                                    2 (7 + x)
                               - ---------------
                                 (x - 1) (x + 1)



------------------------------------------------------------------------------

Sequence:  A035601
Score: 4.34961
Type of gen. func.: ogf


                                             6
                                  2 x (x + 1)
                                  ------------
                                           8
                                    (x - 1)
```

Sequence: A035601
Score: 4.73624
Type of gen. func.: ogf

$$\{(n + 2) a(n + 3) - 14 a(n + 2) + (-2 - n) a(n + 1), a(0) = 0, a(1) = 2, a(2) = 28\}$$

Sequence: A035602
Score: 26.7245
Type of gen. func.: ogf_with_Euler_transform]

$$[16 - 7 x]$$

Sequence: A035602
Score: 29.2918
Type of gen. func.: lgdogf

$$- \frac{2 (x + 8)}{(x - 1) (x + 1)}$$

Sequence: A035602
Score: 3.56583
Type of gen. func.: ogf

$$- \frac{2 x (x + 1)^{7}}{(x - 1)^{9}}$$

Sequence: A035602
Score: 4.41106
Type of gen. func.: ogf

$$\{(n + 2) a(n + 3) - 16 a(n + 2) + (-2 - n) a(n + 1), a(0) = 0, a(1) = 2, a(2) = 32\}$$

Sequence: A035603
Score: 28.1691
Type of gen. func.: ogf_with_Euler_transform]

```
                                 [18 - 8 x]



---------------------------------------------------------------------------------

Sequence:  A035603
Score: 3.23547
Type of gen. func.: ogf


                                            8
                                  2 x (x + 1)
                                  ------------
                                         10
                                   (x - 1)



---------------------------------------------------------------------------------

Sequence:  A035603
Score: 30.9012
Type of gen. func.: lgdogf

                                   2 (9 + x)
                               - ---------------
                                 (x - 1) (x + 1)



---------------------------------------------------------------------------------

Sequence:  A035603
Score: 4.64950
Type of gen. func.: ogf


{(n + 2) a(n + 3) - 18 a(n + 2) + (-2 - n) a(n + 1), a(0) = 0, a(1) = 2,

    a(2) = 36}



---------------------------------------------------------------------------------

Sequence:  A035604
Score: 3.50946
Type of gen. func.: ogf


                                             9
                                   2 x (x + 1)
                                 - ------------
                                          11
                                    (x - 1)



---------------------------------------------------------------------------------

Sequence:  A035604
Score: 34.0620
Type of gen. func.: ogf_with_Euler_transform]


                                 [20 - 9 x]
```

Sequence: A035604
Score: 35.6265
Type of gen. func.: lgdogf

$$-\frac{2\,(10 + x)}{(x - 1)\,(x + 1)}$$

Sequence: A035604
Score: 5.61513
Type of gen. func.: ogf

{(n + 2) a(n + 3) - 20 a(n + 2) + (-2 - n) a(n + 1), a(0) = 0, a(1) = 2,

a(2) = 40}

Sequence: A035605
Score: 23.5620
Type of gen. func.: ogf_with_Euler_transform]

[22 - 10 x]

Sequence: A035605
Score: 25.7587
Type of gen. func.: lgdogf

$$-\frac{2\,(x + 11)}{(x - 1)\,(x + 1)}$$

Sequence: A035605
Score: 4.07559
Type of gen. func.: ogf

{(n + 2) a(n + 3) - 22 a(n + 2) + (-2 - n) a(n + 1), a(0) = 0, a(1) = 2,

a(2) = 44}

Sequence: A035606
Score: 24.2238
Type of gen. func.: ogf_with_Euler_transform]

$$[24 - 11 x]$$

Sequence: A035606
Score: 26.4946
Type of gen. func.: lgdogf

$$-\frac{2 (12 + x)}{(x - 1) (x + 1)}$$

Sequence: A035606
Score: 4.19007
Type of gen. func.: ogf

$\{(n + 2) a(n + 3) - 24 a(n + 2) + (-2 - n) a(n + 1), a(0) = 0, a(1) = 2,$

$a(2) = 48\}$

Sequence: A035608
Score: 14.2068
Type of gen. func.: ogf

$$-\frac{x (3 x + 1)}{(x + 1) (x - 1)^3}$$

Sequence: A035608
Score: 22.8015
Type of gen. func.: lgdogf

$$-\frac{9 x^2 + 10 x + 5}{(x - 1) (3 x + 1) (x + 1)}$$

Sequence: A035608
Score: 4.11060
Type of gen. func.: ogf

$\{(-3 - n) a(n + 4) + (-1 - 3 n) a(n + 3) + (11 + n) a(n + 2)$

$+ (9 + 3 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 5, a(3) = 10\}$

Sequence: A035608
Score: 6.92127
Type of gen. func.: ogf

$$-(2336 f(x) - 6675) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x + 3 x^2 - f(x) + x)$$

Sequence: A035609
Score: 11.3598
Type of gen. func.: lgdogf

$$1600 + (80 x^2 - 80) f(x) + (x^4 - 2 x^2 + 1) f(x)^2$$

Sequence: A035610
Score: 12.1618
Type of gen. func.: lgdogf

$$-\frac{4 (-2 + 24 x + (1 - 12 x)^{1/2})}{(16 x - 1) (12 x - 1)}$$

Sequence: A035610
Score: 15.5401
Type of gen. func.: revogf

$$\frac{(1 - 8 x + 2 (16 x^2 - 4 x + 1)^{1/2}) x}{3}$$

Sequence: A035610
Score: 15.6775
Type of gen. func.: ogf

$$-16 f(x)^2 x + f(x)^2 + 2 f(x) - 3$$

Sequence: A035610
Score: 5.59196
Type of gen. func.: ogf

{(-192 n - 288) a(n + 1) + (28 n + 66) a(n + 2) + (-3 - n) a(n + 3), a(0) = 1,

a(1) = 4, a(2) = 28}

Sequence: A035611
Score: 11.7631
Type of gen. func.: lgdogf

$$1936 + (88 x^2 - 88) f(x) + (x^4 - 2 x^2 + 1) f(x)^2$$

Sequence: A035613
Score: 8.30977
Type of gen. func.: lgdogf

$$\frac{18 x^7 - 16 x^6 - 2 x^5 - 2 x^4 + 12 x^3 + 66 x^2 - 180 x + 111}{(x - 1) (3 x^7 + x^6 + x^5 + x^4 + 8 x^3 + 90 x^2 + 1111000 x - 1111111)}$$

Sequence: A035613
Score: 9.34270
Type of gen. func.: ogf

$$\frac{3 x^7 + x^6 + x^5 + x^4 + 8 x^3 + 90 x^2 + 1111000 x - 1111111}{x - 1}$$

Sequence: A035615
Score: 3.59321
Type of gen. func.: ogf

$$\frac{4 x^7 - 3 x^6 + 2 x^5 - 4 x^4 + 2 x^3 + 4 x^2 - 4 x + 1}{(x - 1) (2 x - 1) (x + 1) (x^2 + x - 1)^2}$$

Sequence: A035706
Score: 16.7051
Type of gen. func.: ogf

$$-\frac{(x + 1)}{(x - 1)^{11}}$$

Sequence: A035706
Score: 27.9467
Type of gen. func.: ogf_with_Euler_transform]

[22 - 11 x]

Sequence: A035706
Score: 31.3966
Type of gen. func.: lgdogf

$$-22 + (-x^2 + 1) f(x)$$

Sequence: A035706
Score: 6.03241
Type of gen. func.: ogf

{(n + 2) a(n + 2) - 22 a(n + 1) - n a(n), a(0) = 1, a(1) = 22}

Sequence: A035707
Score: 26.8786
Type of gen. func.: ogf_with_Euler_transform]

[24 - 12 x]

Sequence: A035707
Score: 32.7286
Type of gen. func.: lgdogf

$$-24 + (-x^2 + 1) f(x)$$

Sequence: A035707
Score: 5.80646
Type of gen. func.: ogf

{(n + 2) a(n + 2) - 24 a(n + 1) - n a(n), a(0) = 1, a(1) = 24}

Sequence: A035708
Score: 27.9537
Type of gen. func.: ogf_with_Euler_transform]

[26 - 13 x]

Sequence: A035708
Score: 33.8703
Type of gen. func.: lgdogf

$$-26 + (-x^2 + 1) f(x)$$

Sequence: A035708
Score: 6.03872
Type of gen. func.: ogf

{(n + 2) a(n + 2) - 26 a(n + 1) - n a(n), a(0) = 1, a(1) = 26}

Sequence: A035709
Score: 24.6171
Type of gen. func.: ogf_with_Euler_transform]

[28 - 14 x]

Sequence: A035709
Score: 35.2023
Type of gen. func.: lgdogf

$$-28 + (-x^2 + 1) f(x)$$

Sequence: A035709
Score: 5.32791
Type of gen. func.: ogf

{(n + 2) a(n + 2) - 28 a(n + 1) - n a(n), a(0) = 1, a(1) = 28}

Sequence: A035710
Score: 25.3986
Type of gen. func.: ogf_with_Euler_transform]

[30 - 15 x]

Sequence: A035710
Score: 33.1403
Type of gen. func.: lgdogf

$$-30 + (-x^2 + 1) f(x)$$

Sequence: A035710
Score: 5.49705
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 30 a(n + 1) - n a(n), a(0) = 1, a(1) = 30\}$$

Sequence: A035711
Score: 25.9196
Type of gen. func.: ogf_with_Euler_transform]

[32 - 16 x]

Sequence: A035711
Score: 33.8892
Type of gen. func.: lgdogf

$$-32 + (-x^2 + 1) f(x)$$

Sequence: A035711
Score: 5.60981
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 32 a(n + 1) - n a(n), a(0) = 1, a(1) = 32\}$$

Sequence: A035712

Score: 31.3136

Type of gen. func.: ogf_with_Euler_transform]

[34 - 17 x]

Sequence: A035712

Score: 34.6381

Type of gen. func.: lgdogf

$$-34 + (-x^2 + 1) f(x)$$

Sequence: A035712

Score: 6.76453

Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 34 a(n + 1) - n a(n), a(0) = 1, a(1) = 34\}$$

Sequence: A035713

Score: 24.8357

Type of gen. func.: ogf_with_Euler_transform]

[36 - 18 x]

Sequence: A035713

Score: 32.2048

Type of gen. func.: lgdogf

$$-36 + (-x^2 + 1) f(x)$$

Sequence: A035713

Score: 5.38122

Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 36 a(n + 1) - n a(n), a(0) = 1, a(1) = 36\}$$

Sequence: A035714

Score: 25.2198

Type of gen. func.: ogf_with_Euler_transform]

```
                                   [38 - 19 x]


--------------------------------------------------------------------------------

Sequence:  A035714
Score: 29.4456
Type of gen. func.: lgdogf

                                            2
                               -38 + (-x  + 1) f(x)


--------------------------------------------------------------------------------

Sequence:  A035714
Score: 5.46444
Type of gen. func.: ogf

         {(n + 2) a(n + 2) - 38 a(n + 1) - n a(n), a(0) = 1, a(1) = 38}


--------------------------------------------------------------------------------

Sequence:  A035715
Score: 25.9879
Type of gen. func.: ogf_with_Euler_transform]

                                   [40 - 20 x]


--------------------------------------------------------------------------------

Sequence:  A035715
Score: 30.5295
Type of gen. func.: lgdogf

                                            2
                               -40 + (-x  + 1) f(x)


--------------------------------------------------------------------------------

Sequence:  A035715
Score: 5.63086
Type of gen. func.: ogf

         {(n + 2) a(n + 2) - 40 a(n + 1) - n a(n), a(0) = 1, a(1) = 40}


--------------------------------------------------------------------------------

Sequence:  A035716
Score: 26.3720
Type of gen. func.: ogf_with_Euler_transform]

                                   [42 - 21 x]
```

Sequence: A035716
Score: 30.8908
Type of gen. func.: lgdogf

$$-42 + (-x^2 + 1) f(x)$$

Sequence: A035716
Score: 5.71407
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 42 a(n + 1) - n a(n), a(0) = 1, a(1) = 42\}$$

Sequence: A035717
Score: 27.0120
Type of gen. func.: ogf_with_Euler_transform]

$$[44 - 22 x]$$

Sequence: A035717
Score: 31.6134
Type of gen. func.: lgdogf

$$-44 + (-x^2 + 1) f(x)$$

Sequence: A035717
Score: 5.85277
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 44 a(n + 1) - n a(n), a(0) = 1, a(1) = 44\}$$

Sequence: A035718
Score: 22.2961
Type of gen. func.: ogf_with_Euler_transform]

$$[46 - 23 x]$$

Sequence: A035718
Score: 31.9747
Type of gen. func.: lgdogf

$$-46 + (-x^2 + 1) f(x)$$

Sequence: A035718
Score: 4.84405
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 46 a(n + 1) - n a(n), a(0) = 1, a(1) = 46\}$$

Sequence: A035719
Score: 22.7889
Type of gen. func.: ogf_with_Euler_transform]

$$[48 - 24 x]$$

Sequence: A035719
Score: 32.6973
Type of gen. func.: lgdogf

$$-48 + (-x^2 + 1) f(x)$$

Sequence: A035719
Score: 4.95109
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 48 a(n + 1) - n a(n), a(0) = 1, a(1) = 48\}$$

Sequence: A035720
Score: 23.1584
Type of gen. func.: ogf_with_Euler_transform]

$$[50 - 25 x]$$

Sequence: A035720

Score: 33.2393
Type of gen. func.: lgdogf

$$-50 + (-x^2 + 1) f(x)$$

Sequence: A035720
Score: 5.03139
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 50 a(n + 1) - n a(n), a(0) = 1, a(1) = 50\}$$

Sequence: A035721
Score: 23.2816
Type of gen. func.: ogf_with_Euler_transform]

$$[52 - 26 x]$$

Sequence: A035721
Score: 33.4199
Type of gen. func.: lgdogf

$$-52 + (-x^2 + 1) f(x)$$

Sequence: A035721
Score: 5.05815
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 52 a(n + 1) - n a(n), a(0) = 1, a(1) = 52\}$$

Sequence: A035722
Score: 23.6511
Type of gen. func.: ogf_with_Euler_transform]

$$[54 - 27 x]$$

Sequence: A035722
Score: 33.9618
Type of gen. func.: lgdogf

$$-54 + (-x^2 + 1) f(x)$$

Sequence: A035722
Score: 5.13844
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 54 a(n + 1) - n a(n), a(0) = 1, a(1) = 54\}$$

Sequence: A035723
Score: 23.8975
Type of gen. func.: ogf_with_Euler_transform]

$$[56 - 28 x]$$

Sequence: A035723
Score: 34.3231
Type of gen. func.: lgdogf

$$-56 + (-x^2 + 1) f(x)$$

Sequence: A035723
Score: 5.19196
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 56 a(n + 1) - n a(n), a(0) = 1, a(1) = 56\}$$

Sequence: A035724
Score: 24.1439
Type of gen. func.: ogf_with_Euler_transform]

$$[58 - 29 x]$$

Sequence: A035724
Score: 34.6844
Type of gen. func.: lgdogf

$$-58 + (-x^2 + 1) f(x)$$

Sequence: A035724
Score: 5.24549
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 58 a(n + 1) - n a(n), a(0) = 1, a(1) = 58\}$$

Sequence: A035725
Score: 24.2670
Type of gen. func.: ogf_with_Euler_transform]

$$[60 - 30 x]$$

Sequence: A035725
Score: 34.8651
Type of gen. func.: lgdogf

$$-60 + (-x^2 + 1) f(x)$$

Sequence: A035725
Score: 5.27225
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 60 a(n + 1) - n a(n), a(0) = 1, a(1) = 60\}$$

Sequence: A035726
Score: 24.5134
Type of gen. func.: ogf_with_Euler_transform]

$$[62 - 31 x]$$

Sequence: A035726
Score: 35.2264
Type of gen. func.: lgdogf

$$-62 + (-x^2 + 1) f(x)$$

Sequence: A035726
Score: 5.32578
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 62 a(n + 1) - n a(n), a(0) = 1, a(1) = 62\}$$

Sequence: A035727
Score: 24.7598
Type of gen. func.: ogf_with_Euler_transform]

$$[64 - 32 x]$$

Sequence: A035727
Score: 31.6965
Type of gen. func.: lgdogf

$$-64 + (-x^2 + 1) f(x)$$

Sequence: A035727
Score: 5.37930
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 64 a(n + 1) - n a(n), a(0) = 1, a(1) = 64\}$$

Sequence: A035728
Score: 25.1293
Type of gen. func.: ogf_with_Euler_transform]

$$[66 - 33 x]$$

Sequence: A035728
Score: 32.2278
Type of gen. func.: lgdogf

$$-66 + (-x^2 + 1) f(x)$$

Sequence: A035728

Score: 5.45958
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 66 a(n + 1) - n a(n), a(0) = 1, a(1) = 66\}$$

Sequence: A035729
Score: 32.7590
Type of gen. func.: lgdogf

$$-68 + (-x^2 + 1) f(x)$$

Sequence: A035729
Score: 4.95812
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 68 a(n + 1) - n a(n), a(0) = 1, a(1) = 68\}$$

Sequence: A035730
Score: 33.1131
Type of gen. func.: lgdogf

$$-70 + (-x^2 + 1) f(x)$$

Sequence: A035730
Score: 5.01058
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 70 a(n + 1) - n a(n), a(0) = 1, a(1) = 70\}$$

Sequence: A035731
Score: 33.4673
Type of gen. func.: lgdogf

$$-72 + (-x^2 + 1) f(x)$$

Sequence: A035731
Score: 5.06306
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 72 a(n + 1) - n a(n), a(0) = 1, a(1) = 72\}$$

Sequence: A035732
Score: 33.4673
Type of gen. func.: lgdogf

$$-74 + (-x^2 + 1) f(x)$$

Sequence: A035732
Score: 5.06306
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 74 a(n + 1) - n a(n), a(0) = 1, a(1) = 74\}$$

Sequence: A035733
Score: 31.9772
Type of gen. func.: lgdogf

$$- \frac{76}{(x - 1) (x + 1)}$$

Sequence: A035733
Score: 5.11552
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 76 a(n + 1) - n a(n), a(0) = 1, a(1) = 76\}$$

Sequence: A035734
Score: 32.1620
Type of gen. func.: lgdogf

$$- \frac{78}{(x - 1) (x + 1)}$$

Sequence: A035734
Score: 5.16798
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 78 a(n + 1) - n a(n), a(0) = 1, a(1) = 78\}$$

Sequence: A035735
Score: 32.1620
Type of gen. func.: lgdogf

$$-\frac{80}{(x - 1) (x + 1)}$$

Sequence: A035735
Score: 5.16798
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 80 a(n + 1) - n a(n), a(0) = 1, a(1) = 80\}$$

Sequence: A035736
Score: 32.3469
Type of gen. func.: lgdogf

$$-\frac{82}{(x - 1) (x + 1)}$$

Sequence: A035736
Score: 5.19422
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 82 a(n + 1) - n a(n), a(0) = 1, a(1) = 82\}$$

Sequence: A035737
Score: 36.8317
Type of gen. func.: lgdogf

$$-\frac{84}{(x - 1) (x + 1)}$$

Sequence: A035737
Score: 5.22045

Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 84 a(n + 1) - n a(n), a(0) = 1, a(1) = 84\}$$

Sequence: A035738
Score: 5.24669
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 86 a(n + 1) - n a(n), a(0) = 1, a(1) = 86\}$$

Sequence: A035739
Score: 26.9112
Type of gen. func.: lgdogf

$$-88 + (-x^2 + 1) f(x)$$

Sequence: A035739
Score: 5.27292
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 88 a(n + 1) - n a(n), a(0) = 1, a(1) = 88\}$$

Sequence: A035740
Score: 27.2498
Type of gen. func.: lgdogf

$$-90 + (-x^2 + 1) f(x)$$

Sequence: A035740
Score: 5.35162
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 90 a(n + 1) - n a(n), a(0) = 1, a(1) = 90\}$$

Sequence: A035741
Score: 27.7575
Type of gen. func.: lgdogf

$$-92 + (-x^2 + 1) f(x)$$

Sequence: A035741
Score: 5.43031
Type of gen. func.: ogf

{(n + 2) a(n + 2) - 92 a(n + 1) - n a(n), a(0) = 1, a(1) = 92}

Sequence: A035742
Score: 27.9268
Type of gen. func.: lgdogf

$$-94 + (-x^2 + 1) f(x)$$

Sequence: A035742
Score: 28.2089
Type of gen. func.: ogf_with_Euler_transform]

[94 - 47 x]

Sequence: A035742
Score: 6.12866
Type of gen. func.: ogf

{(n + 2) a(n + 2) - 94 a(n + 1) - n a(n), a(0) = 1, a(1) = 94}

Sequence: A035743
Score: 28.2653
Type of gen. func.: lgdogf

$$-96 + (-x^2 + 1) f(x)$$

Sequence: A035743
Score: 4.28775
Type of gen. func.: ogf

{(n + 2) a(n + 2) - 96 a(n + 1) - n a(n), a(0) = 1, a(1) = 96}

```
------------------------------------------------------------------------------

Sequence:  A035744
Score: 28.2653
Type of gen. func.: lgdogf

                                       2
                              -98 + (-x  + 1) f(x)


------------------------------------------------------------------------------

Sequence:  A035744
Score: 4.28775
Type of gen. func.: ogf

         {(n + 2) a(n + 2) - 98 a(n + 1) - n a(n), a(0) = 1, a(1) = 98}


------------------------------------------------------------------------------

Sequence:  A035745
Score: 26.9212
Type of gen. func.: lgdogf

                                       2
                             -100 + (-x  + 1) f(x)


------------------------------------------------------------------------------

Sequence:  A035745
Score: 4.25903
Type of gen. func.: ogf

        {(n + 2) a(n + 2) - 100 a(n + 1) - n a(n), a(0) = 1, a(1) = 100}


------------------------------------------------------------------------------

Sequence:  A035746
Score: 3.73701
Type of gen. func.: ogf

            2                6        5        4         3        2
- (x + 1) (x  + 14 x + 1) (x  + 138 x  + 975 x  + 1868 x  + 975 x  + 138 x + 1)

       /        9
      /  (x - 1)
     /


------------------------------------------------------------------------------

Sequence:  A035746
Score: 4.82899
Type of gen. func.: ogf
```

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 166) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2), a(0) = 1, a(1) = 162\}$$

Sequence: A035747
Score: 3.20365
Type of gen. func.: ogf

$$(x^2 + 6 x + 1) (x^8 + 184 x^7 + 3740 x^6 + 16136 x^5 + 25414 x^4 + 16136 x^3 + 3740 x^2 + 184 x + 1) / (x - 1)^{10}$$

Sequence: A035747
Score: 4.78468
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 204) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2), a(0) = 1, a(1) = 200\}$$

Sequence: A035748
Score: 3.34082
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 246) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2), a(0) = 1, a(1) = 242\}$$

Sequence: A035749
Score: 3.16436
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 292) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2), a(0) = 1, a(1) = 288\}$$

Sequence: A035750
Score: 3.29315
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 342) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$$

$$a(0) = 1, a(1) = 338\}$$

Sequence: A035751
Score: 3.44032
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 396) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$$

$$a(0) = 1, a(1) = 392\}$$

Sequence: A035752
Score: 3.58751
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 454) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$$

$$a(0) = 1, a(1) = 450\}$$

Sequence: A035753
Score: 3.29470
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 516) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$$

$$a(0) = 1, a(1) = 512\}$$

Sequence: A035754
Score: 3.36671
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 582) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$$

$$a(0) = 1, a(1) = 578\}$$

Sequence: A035755
Score: 3.49274
Type of gen. func.: ogf

$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 652) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$

$a(0) = 1, a(1) = 648\}$

Sequence: A035756
Score: 3.58276
Type of gen. func.: ogf

$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 726) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$

$a(0) = 1, a(1) = 722\}$

Sequence: A035757
Score: 3.23559
Type of gen. func.: ogf

$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 804) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$

$a(0) = 1, a(1) = 800\}$

Sequence: A035758
Score: 3.27076
Type of gen. func.: ogf

$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 886) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$

$a(0) = 1, a(1) = 882\}$

Sequence: A035759
Score: 2.98179
Type of gen. func.: ogf

$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 972) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$

$a(0) = 1, a(1) = 968\}$

Sequence: A035760
Score: 3.01124
Type of gen. func.: ogf

2 2 2

$$\{(-2 n - n) a(n) + (4 n + 8 n + 1062) a(n + 1) + (-2 n - 7 n - 6) a(n + 2),$$

$$a(0) = 1, a(1) = 1058\}$$

Sequence: A035761
Score: 3.02815
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 1156) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$$

$$a(0) = 1, a(1) = 1152\}$$

Sequence: A035762
Score: 3.09582
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 1254) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$$

$$a(0) = 1, a(1) = 1250\}$$

Sequence: A035763
Score: 3.14657
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 1356) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$$

$$a(0) = 1, a(1) = 1352\}$$

Sequence: A035764
Score: 3.19732
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 1462) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$$

$$a(0) = 1, a(1) = 1458\}$$

Sequence: A035765
Score: 3.19732
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 1572) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$$

$a(0) = 1, a(1) = 1568\}$

Sequence: A035766
Score: 3.28191
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 1686) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$$

$a(0) = 1, a(1) = 1682\}$

Sequence: A035767
Score: 3.33266
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 1804) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$$

$a(0) = 1, a(1) = 1800\}$

Sequence: A035768
Score: 3.33266
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 1926) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$$

$a(0) = 1, a(1) = 1922\}$

Sequence: A035769
Score: 3.34958
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 2052) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$$

$a(0) = 1, a(1) = 2048\}$

Sequence: A035770
Score: 3.45108
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 2182) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$$

$a(0) = 1, a(1) = 2178\}$

Sequence: A035771
Score: 3.48491
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 2316) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$$

$a(0) = 1, a(1) = 2312\}$

Sequence: A035772
Score: 3.50183
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 2454) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$$

$a(0) = 1, a(1) = 2450\}$

Sequence: A035773
Score: 3.09110
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 2596) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$$

$a(0) = 1, a(1) = 2592\}$

Sequence: A035774
Score: 3.10754
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 2742) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$$

$a(0) = 1, a(1) = 2738\}$

Sequence: A035775
Score: 3.12397
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 2892) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$$

$a(0) = 1, a(1) = 2888\}$

Sequence: A035776
Score: 3.15686
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 3046) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$$

$$a(0) = 1, a(1) = 3042\}$$

Sequence: A035777
Score: 3.18974
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 3204) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$$

$$a(0) = 1, a(1) = 3200\}$$

Sequence: A035778
Score: 3.20619
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 3366) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$$

$$a(0) = 1, a(1) = 3362\}$$

Sequence: A035779
Score: 3.22263
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 3532) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$$

$$a(0) = 1, a(1) = 3528\}$$

Sequence: A035780
Score: 3.23907
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 3702) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$$

$$a(0) = 1, a(1) = 3698\}$$

Sequence: A035781
Score: 3.25551
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 3876) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$$

$$a(0) = 1, a(1) = 3872\}$$

Sequence: A035782
Score: 3.30484
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 4054) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$$

$$a(0) = 1, a(1) = 4050\}$$

Sequence: A035783
Score: 3.33772
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 4236) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$$

$$a(0) = 1, a(1) = 4232\}$$

Sequence: A035784
Score: 3.35417
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 4422) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$$

$$a(0) = 1, a(1) = 4418\}$$

Sequence: A035785
Score: 2.86721
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 4612) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$$

$$a(0) = 1, a(1) = 4608\}$$

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------------------------------------------------------------------------------

Sequence:  A035786
Score: 2.88313
Type of gen. func.: ogf


      2                 2                               2
{(-2 n  - n) a(n) + (4 n  + 8 n + 4806) a(n + 1) + (-2 n  - 7 n - 6) a(n + 2),

    a(0) = 1, a(1) = 4802}



------------------------------------------------------------------------------

Sequence:  A035787
Score: 2.91499
Type of gen. func.: ogf


      2                 2                               2
{(-2 n  - n) a(n) + (4 n  + 8 n + 5004) a(n + 1) + (-2 n  - 7 n - 6) a(n + 2),

    a(0) = 1, a(1) = 5000}



------------------------------------------------------------------------------

Sequence:  A035797
Score: 5.68649
Type of gen. func.: lgdogf


                  2           4         2
-110592 - 221184 x  + (-4608 x  + 9216 x  + 6912) f(x)

             4       2            2      4          3
     + (144 x  - 96 x  - 144) f(x)  + (-x  + 1) f(x)



------------------------------------------------------------------------------

Sequence:  A035798
Score: 23.2816
Type of gen. func.: ogf_with_Euler_transform]

                                  [52 - 26 x]



------------------------------------------------------------------------------

Sequence:  A035798
Score: 5.68849
Type of gen. func.: lgdogf


                  2           4          2
-140608 - 281216 x  + (-5408 x  + 10816 x  + 8112) f(x)

             4        2            2      4          3
     + (156 x  - 104 x  - 156) f(x)  + (-x  + 1) f(x)



------------------------------------------------------------------------------
```

Sequence: A035799
Score: 23.8975
Type of gen. func.: ogf_with_Euler_transform]

$$[56 - 28 x]$$

Sequence: A035799
Score: 8.44877
Type of gen. func.: lgdogf

$$-175616 + (-3136 x^{2} + 9408) f(x) + (112 x^{2} - 168) f(x)^{2} + (-x^{2} + 1) f(x)^{3}$$

Sequence: A035800
Score: 24.2670
Type of gen. func.: ogf_with_Euler_transform]

$$[60 - 30 x]$$

Sequence: A035800
Score: 8.45214
Type of gen. func.: lgdogf

$$-216000 + (-3600 x^{2} + 10800) f(x) + (120 x^{2} - 180) f(x)^{2} + (-x^{2} + 1) f(x)^{3}$$

Sequence: A035801
Score: 24.7598
Type of gen. func.: ogf_with_Euler_transform]

$$[64 - 32 x]$$

Sequence: A035801
Score: 7.68401
Type of gen. func.: lgdogf

$$-262144 + (-4096 x^{2} + 12288) f(x) + (128 x^{2} - 192) f(x)^{2} + (-x^{2} + 1) f(x)^{3}$$

Sequence: A035802

Score: 32.7590
Type of gen. func.: lgdogf

$$-68 + (-x^{2} + 1) f(x)$$

Sequence: A035802
Score: 4.95812
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 68 a(n + 1) - n a(n), a(0) = 1, a(1) = 68\}$$

Sequence: A035803
Score: 33.4673
Type of gen. func.: lgdogf

$$-72 + (-x^{2} + 1) f(x)$$

Sequence: A035803
Score: 5.06306
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 72 a(n + 1) - n a(n), a(0) = 1, a(1) = 72\}$$

Sequence: A035804
Score: 31.9772
Type of gen. func.: lgdogf

$$-\frac{76}{(x - 1) (x + 1)}$$

Sequence: A035804
Score: 5.11552
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 76 a(n + 1) - n a(n), a(0) = 1, a(1) = 76\}$$

Sequence: A035805
Score: 32.1620

Type of gen. func.: lgdogf

$$-\frac{80}{(x - 1) (x + 1)}$$

Sequence: A035805
Score: 32.9009
Type of gen. func.: ogf_with_Euler_transform]

[80 - 40 x]

Sequence: A035805
Score: 7.12873
Type of gen. func.: ogf

{(n + 2) a(n + 2) - 80 a(n + 1) - n a(n), a(0) = 1, a(1) = 80}

Sequence: A035806
Score: 26.9771
Type of gen. func.: ogf_with_Euler_transform]

[84 - 42 x]

Sequence: A035806
Score: 41.4286
Type of gen. func.: lgdogf

$$-\frac{84}{(x - 1) (x + 1)}$$

Sequence: A035806
Score: 5.86103
Type of gen. func.: ogf

{(n + 2) a(n + 2) - 84 a(n + 1) - n a(n), a(0) = 1, a(1) = 84}

Sequence: A035807
Score: 32.9014
Type of gen. func.: lgdogf

```
                                   88
                            - ---------------
                              (x - 1) (x + 1)


------------------------------------------------------------------------------

Sequence:  A035807
Score: 5.27292
Type of gen. func.: ogf

       {(n + 2) a(n + 2) - 88 a(n + 1) - n a(n), a(0) = 1, a(1) = 88}


------------------------------------------------------------------------------

Sequence:  A035808
Score: 33.8256
Type of gen. func.: lgdogf

                                   92
                            - ---------------
                              (x - 1) (x + 1)


------------------------------------------------------------------------------

Sequence:  A035808
Score: 5.43031
Type of gen. func.: ogf

       {(n + 2) a(n + 2) - 92 a(n + 1) - n a(n), a(0) = 1, a(1) = 92}


------------------------------------------------------------------------------

Sequence:  A035809
Score: 34.3801
Type of gen. func.: lgdogf

                                   96
                            - ---------------
                              (x - 1) (x + 1)


------------------------------------------------------------------------------

Sequence:  A035809
Score: 4.87770
Type of gen. func.: ogf

       {(n + 2) a(n + 2) - 96 a(n + 1) - n a(n), a(0) = 1, a(1) = 96}


------------------------------------------------------------------------------

Sequence:  A035810
Score: 26.9212
```

Type of gen. func.: lgdogf

$$-100 + (-x^2 + 1) f(x)$$

Sequence: A035810
Score: 4.83943
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 100 a(n + 1) - n a(n), a(0) = 1, a(1) = 100\}$$

Sequence: A035811
Score: 27.0805
Type of gen. func.: lgdogf

$$-104 + (-x^2 + 1) f(x)$$

Sequence: A035811
Score: 4.28365
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 104 a(n + 1) - n a(n), a(0) = 1, a(1) = 104\}$$

Sequence: A035812
Score: 27.0805
Type of gen. func.: lgdogf

$$-108 + (-x^2 + 1) f(x)$$

Sequence: A035812
Score: 4.28365
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 108 a(n + 1) - n a(n), a(0) = 1, a(1) = 108\}$$

Sequence: A035813
Score: 27.0805
Type of gen. func.: lgdogf

$$-112 + (-x^2 + 1) f(x)$$

Sequence: A035813
Score: 4.28365
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 112 a(n + 1) - n a(n), a(0) = 1, a(1) = 112\}$$

Sequence: A035814
Score: 27.8770
Type of gen. func.: lgdogf

$$-116 + (-x^2 + 1) f(x)$$

Sequence: A035814
Score: 4.40674
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 116 a(n + 1) - n a(n), a(0) = 1, a(1) = 116\}$$

Sequence: A035815
Score: 28.1956
Type of gen. func.: lgdogf

$$-120 + (-x^2 + 1) f(x)$$

Sequence: A035815
Score: 4.45597
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 120 a(n + 1) - n a(n), a(0) = 1, a(1) = 120\}$$

Sequence: A035816
Score: 28.1956
Type of gen. func.: lgdogf

2

$$-124 + (-x + 1) f(x)$$

Sequence: A035816
Score: 4.45597
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 124 a(n + 1) - n a(n), a(0) = 1, a(1) = 124\}$$

Sequence: A035817
Score: 28.5142
Type of gen. func.: lgdogf

$$-128 + (-x^2 + 1) f(x)$$

Sequence: A035817
Score: 4.50521
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 128 a(n + 1) - n a(n), a(0) = 1, a(1) = 128\}$$

Sequence: A035818
Score: 28.5142
Type of gen. func.: lgdogf

$$-132 + (-x^2 + 1) f(x)$$

Sequence: A035818
Score: 4.50521
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 132 a(n + 1) - n a(n), a(0) = 1, a(1) = 132\}$$

Sequence: A035819
Score: 28.5142
Type of gen. func.: lgdogf

$$-136 + (-x^2 + 1) f(x)$$

Sequence: A035819
Score: 4.50521
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 136 a(n + 1) - n a(n), a(0) = 1, a(1) = 136\}$$

Sequence: A035820
Score: 29.3107
Type of gen. func.: lgdogf

$$-140 + (-x^2 + 1) f(x)$$

Sequence: A035820
Score: 4.62830
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 140 a(n + 1) - n a(n), a(0) = 1, a(1) = 140\}$$

Sequence: A035821
Score: 29.6293
Type of gen. func.: lgdogf

$$-144 + (-x^2 + 1) f(x)$$

Sequence: A035821
Score: 4.67755
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 144 a(n + 1) - n a(n), a(0) = 1, a(1) = 144\}$$

Sequence: A035822
Score: 29.6293
Type of gen. func.: lgdogf

$$-148 + (-x^2 + 1) f(x)$$

Sequence: A035822
Score: 4.67755
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 148 a(n + 1) - n a(n), a(0) = 1, a(1) = 148\}$$

Sequence: A035823
Score: 29.7886
Type of gen. func.: lgdogf

$$-152 + (-x^2 + 1) f(x)$$

Sequence: A035823
Score: 4.70216
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 152 a(n + 1) - n a(n), a(0) = 1, a(1) = 152\}$$

Sequence: A035824
Score: 29.7886
Type of gen. func.: lgdogf

$$-156 + (-x^2 + 1) f(x)$$

Sequence: A035824
Score: 4.70216
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 156 a(n + 1) - n a(n), a(0) = 1, a(1) = 156\}$$

Sequence: A035825
Score: 29.9478
Type of gen. func.: lgdogf

$$-160 + (-x^2 + 1) f(x)$$

Sequence: A035825
Score: 4.72678
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 160 a(n + 1) - n a(n), a(0) = 1, a(1) = 160\}$$

Sequence: A035826
Score: 30.2664
Type of gen. func.: lgdogf

$$-164 + (-x^2 + 1) f(x)$$

Sequence: A035826
Score: 4.77602
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 164 a(n + 1) - n a(n), a(0) = 1, a(1) = 164\}$$

Sequence: A035827
Score: 30.5850
Type of gen. func.: lgdogf

$$-168 + (-x^2 + 1) f(x)$$

Sequence: A035827
Score: 4.82525
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 168 a(n + 1) - n a(n), a(0) = 1, a(1) = 168\}$$

Sequence: A035828
Score: 30.5850
Type of gen. func.: lgdogf

$$-172 + (-x^2 + 1) f(x)$$

Sequence: A035828
Score: 4.82525

Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 172 a(n + 1) - n a(n), a(0) = 1, a(1) = 172\}$$

Sequence: A035829
Score: 30.9036
Type of gen. func.: lgdogf

$$-176 + (-x^2 + 1) f(x)$$

Sequence: A035829
Score: 4.87449
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 176 a(n + 1) - n a(n), a(0) = 1, a(1) = 176\}$$

Sequence: A035830
Score: 30.9036
Type of gen. func.: lgdogf

$$-180 + (-x^2 + 1) f(x)$$

Sequence: A035830
Score: 4.87449
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 180 a(n + 1) - n a(n), a(0) = 1, a(1) = 180\}$$

Sequence: A035831
Score: 31.2222
Type of gen. func.: lgdogf

$$-184 + (-x^2 + 1) f(x)$$

Sequence: A035831
Score: 4.92373
Type of gen. func.: ogf

```
        {(n + 2) a(n + 2) - 184 a(n + 1) - n a(n), a(0) = 1, a(1) = 184}



--------------------------------------------------------------------------------

Sequence:  A035832
Score: 31.2222
Type of gen. func.: lgdogf

                                        2
                             -188 + (-x  + 1) f(x)



--------------------------------------------------------------------------------

Sequence:  A035832
Score: 4.92373
Type of gen. func.: ogf

        {(n + 2) a(n + 2) - 188 a(n + 1) - n a(n), a(0) = 1, a(1) = 188}



--------------------------------------------------------------------------------

Sequence:  A035833
Score: 31.3815
Type of gen. func.: lgdogf

                                        2
                             -192 + (-x  + 1) f(x)



--------------------------------------------------------------------------------

Sequence:  A035833
Score: 4.94835
Type of gen. func.: ogf

        {(n + 2) a(n + 2) - 192 a(n + 1) - n a(n), a(0) = 1, a(1) = 192}



--------------------------------------------------------------------------------

Sequence:  A035834
Score: 31.7001
Type of gen. func.: lgdogf

                                        2
                             -196 + (-x  + 1) f(x)



--------------------------------------------------------------------------------

Sequence:  A035834
Score: 4.99758
Type of gen. func.: ogf

        {(n + 2) a(n + 2) - 196 a(n + 1) - n a(n), a(0) = 1, a(1) = 196}
```

Sequence: A035835
Score: 31.7001
Type of gen. func.: lgdogf

$$-200 + (-x^2 + 1) f(x)$$

Sequence: A035835
Score: 4.99758
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 200 a(n + 1) - n a(n), a(0) = 1, a(1) = 200\}$$

Sequence: A035837
Score: 4.89777
Type of gen. func.: ogf

$$\{-n^2 a(n) + (2 n^2 + 4 n + 134) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 132\}$$

Sequence: A035838
Score: 5.15899
Type of gen. func.: ogf

$$\{-n^2 a(n) + (2 n^2 + 4 n + 158) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 156\}$$

Sequence: A035839
Score: 4.97415
Type of gen. func.: ogf

$$\{-n^2 a(n) + (2 n^2 + 4 n + 184) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 182\}$$

Sequence: A035840

Score: 4.78895
Type of gen. func.: ogf

```
   2            2                            2
{-n  a(n) + (2 n  + 4 n + 212) a(n + 1) + (-n  - 4 n - 4) a(n + 2), a(0) = 1,

    a(1) = 210}
```

Sequence: A035841
Score: 4.93663
Type of gen. func.: ogf

```
   2            2                            2
{-n  a(n) + (2 n  + 4 n + 242) a(n + 1) + (-n  - 4 n - 4) a(n + 2), a(0) = 1,

    a(1) = 240}
```

Sequence: A035842
Score: 3.85077
Type of gen. func.: ogf

```
   2            2                            2
{-n  a(n) + (2 n  + 4 n + 274) a(n + 1) + (-n  - 4 n - 4) a(n + 2), a(0) = 1,

    a(1) = 272}
```

Sequence: A035843
Score: 3.57313
Type of gen. func.: ogf

```
   2            2                            2
{-n  a(n) + (2 n  + 4 n + 308) a(n + 1) + (-n  - 4 n - 4) a(n + 2), a(0) = 1,

    a(1) = 306}
```

Sequence: A035844
Score: 3.65123
Type of gen. func.: ogf

```
   2            2                            2
{-n  a(n) + (2 n  + 4 n + 344) a(n + 1) + (-n  - 4 n - 4) a(n + 2), a(0) = 1,

    a(1) = 342}
```

Sequence: A035845
Score: 3.70980

Type of gen. func.: ogf

$\{-n^2 a(n) + (2 n^2 + 4 n + 382) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 380\}$

Sequence: A035846
Score: 3.82696
Type of gen. func.: ogf

$\{-n^2 a(n) + (2 n^2 + 4 n + 422) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 420\}$

Sequence: A035847
Score: 3.45181
Type of gen. func.: ogf

$\{-n^2 a(n) + (2 n^2 + 4 n + 464) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 462\}$

Sequence: A035848
Score: 3.52809
Type of gen. func.: ogf

$\{-n^2 a(n) + (2 n^2 + 4 n + 508) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 506\}$

Sequence: A035849
Score: 3.54716
Type of gen. func.: ogf

$\{-n^2 a(n) + (2 n^2 + 4 n + 554) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 552\}$

Sequence: A035850
Score: 3.66159
Type of gen. func.: ogf

$\{-n^2 a(n) + (2 n^2 + 4 n + 602) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 600\}$

Sequence: A035851
Score: 3.71880
Type of gen. func.: ogf

$\{-n^2 a(n) + (2 n^2 + 4 n + 652) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 650\}$

Sequence: A035852
Score: 3.77601
Type of gen. func.: ogf

$\{-n^2 a(n) + (2 n^2 + 4 n + 704) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 702\}$

Sequence: A035853
Score: 3.34529
Type of gen. func.: ogf

$\{-n^2 a(n) + (2 n^2 + 4 n + 758) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 756\}$

Sequence: A035854
Score: 3.43821
Type of gen. func.: ogf

$\{-n^2 a(n) + (2 n^2 + 4 n + 814) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 812\}$

Sequence: A035855
Score: 3.47538
Type of gen. func.: ogf

$$\{-n^2 a(n) + (2 n^2 + 4 n + 872) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 870\}$$

Sequence: A035856
Score: 3.49396
Type of gen. func.: ogf

$$\{-n^2 a(n) + (2 n^2 + 4 n + 932) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 930\}$$

Sequence: A035857
Score: 3.54972
Type of gen. func.: ogf

$$\{-n^2 a(n) + (2 n^2 + 4 n + 994) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 992\}$$

Sequence: A035858
Score: 3.57373
Type of gen. func.: ogf

$$\{-n^2 a(n) + (2 n^2 + 4 n + 1058) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 1056\}$$

Sequence: A035859
Score: 3.11712
Type of gen. func.: ogf

$$\{-n^2 a(n) + (2 n^2 + 4 n + 1124) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 1122\}$$

Sequence: A035860
Score: 3.11712
Type of gen. func.: ogf

$\{-n^2 a(n) + (2 n^2 + 4 n + 1192) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1,$
$a(1) = 1190\}$

Sequence: A035861
Score: 3.17056
Type of gen. func.: ogf

$\{-n^2 a(n) + (2 n^2 + 4 n + 1262) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1,$
$a(1) = 1260\}$

Sequence: A035862
Score: 3.20619
Type of gen. func.: ogf

$\{-n^2 a(n) + (2 n^2 + 4 n + 1334) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1,$
$a(1) = 1332\}$

Sequence: A035863
Score: 3.22400
Type of gen. func.: ogf

$\{-n^2 a(n) + (2 n^2 + 4 n + 1408) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1,$
$a(1) = 1406\}$

Sequence: A035864
Score: 3.22400
Type of gen. func.: ogf

$\{-n^2 a(n) + (2 n^2 + 4 n + 1484) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1,$
$a(1) = 1482\}$

Sequence: A035865
Score: 3.29525
Type of gen. func.: ogf

2 2 2

$\{-n\ a(n) + (2 n + 4 n + 1562) a(n + 1) + (-n - 4 n - 4) a(n + 2), a(0) = 1,$

$a(1) = 1560\}$

Sequence: A035866
Score: 3.33088
Type of gen. func.: ogf

$\{-n^2 a(n) + (2 n^2 + 4 n + 1642) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1,$

$a(1) = 1640\}$

Sequence: A035867
Score: 3.36650
Type of gen. func.: ogf

$\{-n^2 a(n) + (2 n^2 + 4 n + 1724) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1,$

$a(1) = 1722\}$

Sequence: A035868
Score: 3.36650
Type of gen. func.: ogf

$\{-n^2 a(n) + (2 n^2 + 4 n + 1808) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1,$

$a(1) = 1806\}$

Sequence: A035869
Score: 3.41993
Type of gen. func.: ogf

$\{-n^2 a(n) + (2 n^2 + 4 n + 1894) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1,$

$a(1) = 1892\}$

Sequence: A035870
Score: 3.43774
Type of gen. func.: ogf

$\{-n^2 a(n) + (2 n^2 + 4 n + 1982) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1,$

$a(1) = 1980\}$

Sequence: A035871
Score: 3.47337
Type of gen. func.: ogf

$$\{-n^2 a(n) + (2 n^2 + 4 n + 2072) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 2070\}$$

Sequence: A035872
Score: 3.47337
Type of gen. func.: ogf

$$\{-n^2 a(n) + (2 n^2 + 4 n + 2164) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 2162\}$$

Sequence: A035873
Score: 3.52681
Type of gen. func.: ogf

$$\{-n^2 a(n) + (2 n^2 + 4 n + 2258) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 2256\}$$

Sequence: A035874
Score: 3.54462
Type of gen. func.: ogf

$$\{-n^2 a(n) + (2 n^2 + 4 n + 2354) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 2352\}$$

Sequence: A035875
Score: 3.54462
Type of gen. func.: ogf

$$\{-n^2 a(n) + (2 n^2 + 4 n + 2452) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1,$$

$a(1) = 2450\}$

Sequence: A035876
Score: 3.58024
Type of gen. func.: ogf

$$\{-n^{2} a(n) + (2 n^{2} + 4 n + 2552) a(n + 1) + (-n^{2} - 4 n - 4) a(n + 2), a(0) = 1,$$
$$a(1) = 2550\}$$

Sequence: A035877
Score: 4.39765
Type of gen. func.: ogf

$$-(2 f(x) + 9) (f(x) x^{4} - x^{4} - 2 f(x) x^{2} - 2 x^{3} - 10 x^{2} + f(x) - 2 x - 1)$$

Sequence: A035877
Score: 6.77476
Type of gen. func.: ogf

$$\frac{x^{4} + 2 x^{3} + 10 x^{2} + 2 x + 1}{(x - 1)^{2} (x + 1)^{2}}$$

Sequence: A035877
Score: 7.37087
Type of gen. func.: lgdogf

$$- \frac{2 (x^{4} + 12 x^{3} + 6 x^{2} + 12 x + 1)}{(x - 1) (x + 1) (x^{4} + 2 x^{3} + 10 x^{2} + 2 x + 1)}$$

Sequence: A035878
Score: 7.16881
Type of gen. func.: ogf

$$\frac{x^{8} + 36 x^{6} + 32 x^{5} + 118 x^{4} + 32 x^{3} + 36 x^{2} + 1}{\quad{}^{4} \qquad {}^{4}}$$

$(x - 1)\ (x + 1)$

Sequence: A035878
Score: 7.97325
Type of gen. func.: lgdogf

$$- \frac{16 x (5 x^{6} + 6 x^{5} + 43 x^{4} + 20 x^{3} + 43 x^{2} + 6 x + 5)}{(x - 1) (x + 1) (x^{8} + 36 x^{6} + 32 x^{5} + 118 x^{4} + 32 x^{3} + 36 x^{2} + 1)}$$

Sequence: A035879
Score: 4.25832
Type of gen. func.: ogf

$$(x^{12} + 66 x^{10} + 32 x^{9} + 687 x^{8} + 480 x^{7} + 1564 x^{6} + 480 x^{5} + 687 x^{4} + 32 x^{3} + 66 x^{2} + 1) \Big/ ((x - 1)^{6} (x + 1)^{6})$$

Sequence: A035900
Score: 2.86721
Type of gen. func.: ogf

$$\{(-2 n^{2} - n) a(n) + (4 n^{2} + 8 n + 4612) a(n + 1) + (-2 n^{2} - 7 n - 6) a(n + 2),$$

$$a(0) = 1, a(1) = 4608\}$$

Sequence: A035901
Score: 2.91499
Type of gen. func.: ogf

$$\{(-2 n^{2} - n) a(n) + (4 n^{2} + 8 n + 5004) a(n + 1) + (-2 n^{2} - 7 n - 6) a(n + 2),$$

$$a(0) = 1, a(1) = 5000\}$$

Sequence: A035902
Score: 2.93092
Type of gen. func.: ogf

2 2 2

```
{(-2 n  - n) a(n) + (4 n  + 8 n + 5412) a(n + 1) + (-2 n  - 7 n - 6) a(n + 2),

    a(0) = 1, a(1) = 5408}



--------------------------------------------------------------------------------

Sequence:  A035903
Score: 2.94685
Type of gen. func.: ogf


      2                 2                               2
{(-2 n  - n) a(n) + (4 n  + 8 n + 5836) a(n + 1) + (-2 n  - 7 n - 6) a(n + 2),

    a(0) = 1, a(1) = 5832}



--------------------------------------------------------------------------------

Sequence:  A035904
Score: 2.97871
Type of gen. func.: ogf


      2                 2                               2
{(-2 n  - n) a(n) + (4 n  + 8 n + 6276) a(n + 1) + (-2 n  - 7 n - 6) a(n + 2),

    a(0) = 1, a(1) = 6272}



--------------------------------------------------------------------------------

Sequence:  A035905
Score: 3.01056
Type of gen. func.: ogf


      2                 2                               2
{(-2 n  - n) a(n) + (4 n  + 8 n + 6732) a(n + 1) + (-2 n  - 7 n - 6) a(n + 2),

    a(0) = 1, a(1) = 6728}



--------------------------------------------------------------------------------

Sequence:  A035906
Score: 3.05835
Type of gen. func.: ogf


      2                 2                               2
{(-2 n  - n) a(n) + (4 n  + 8 n + 7204) a(n + 1) + (-2 n  - 7 n - 6) a(n + 2),

    a(0) = 1, a(1) = 7200}



--------------------------------------------------------------------------------

Sequence:  A035907
Score: 3.09021
Type of gen. func.: ogf


      2                 2                               2
{(-2 n  - n) a(n) + (4 n  + 8 n + 7692) a(n + 1) + (-2 n  - 7 n - 6) a(n + 2),
    a(0) = 1, a(1) = 7688}


--------------------------------------------------------------------------------

Sequence:  A035908
Score: 3.12206
Type of gen. func.: ogf


      2                  2                               2
{(-2 n  - n) a(n) + (4 n  + 8 n + 8196) a(n + 1) + (-2 n  - 7 n - 6) a(n + 2),

    a(0) = 1, a(1) = 8192}


--------------------------------------------------------------------------------

Sequence:  A035909
Score: 3.13799
Type of gen. func.: ogf


      2                  2                               2
{(-2 n  - n) a(n) + (4 n  + 8 n + 8716) a(n + 1) + (-2 n  - 7 n - 6) a(n + 2),

    a(0) = 1, a(1) = 8712}


--------------------------------------------------------------------------------

Sequence:  A035910
Score: 3.13799
Type of gen. func.: ogf


      2                  2                               2
{(-2 n  - n) a(n) + (4 n  + 8 n + 9252) a(n + 1) + (-2 n  - 7 n - 6) a(n + 2),

    a(0) = 1, a(1) = 9248}


--------------------------------------------------------------------------------

Sequence:  A035911
Score: 3.21764
Type of gen. func.: ogf


      2                  2                               2
{(-2 n  - n) a(n) + (4 n  + 8 n + 9804) a(n + 1) + (-2 n  - 7 n - 6) a(n + 2),

    a(0) = 1, a(1) = 9800}


--------------------------------------------------------------------------------

Sequence:  A035912
Score: 3.22409
Type of gen. func.: ogf


      2                  2                                2
{(-2 n  - n) a(n) + (4 n  + 8 n + 10372) a(n + 1) + (-2 n  - 7 n - 6) a(n + 2),
```

$a(0) = 1, a(1) = 10368\}$

Sequence: A035913
Score: 3.23982
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 10956) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$$

$a(0) = 1, a(1) = 10952\}$

Sequence: A035914
Score: 3.25554
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 11556) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$$

$a(0) = 1, a(1) = 11552\}$

Sequence: A035915
Score: 3.25554
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 12172) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$$

$a(0) = 1, a(1) = 12168\}$

Sequence: A035916
Score: 3.27127
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 12804) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$$

$a(0) = 1, a(1) = 12800\}$

Sequence: A035917
Score: 3.31846
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 13452) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$$

$a(0) = 1, a(1) = 13448\}$

Sequence: A035918
Score: 2.79249
Type of gen. func.: ogf

```
      2                  2                                 2
{(-2 n  - n) a(n) + (4 n  + 8 n + 14116) a(n + 1) + (-2 n  - 7 n - 6) a(n + 2),

    a(0) = 1, a(1) = 14112}
```

Sequence: A035919
Score: 2.79249
Type of gen. func.: ogf

```
      2                  2                                 2
{(-2 n  - n) a(n) + (4 n  + 8 n + 14796) a(n + 1) + (-2 n  - 7 n - 6) a(n + 2),

    a(0) = 1, a(1) = 14792}
```

Sequence: A035920
Score: 2.79249
Type of gen. func.: ogf

```
      2                  2                                 2
{(-2 n  - n) a(n) + (4 n  + 8 n + 15492) a(n + 1) + (-2 n  - 7 n - 6) a(n + 2),

    a(0) = 1, a(1) = 15488}
```

Sequence: A035921
Score: 2.79249
Type of gen. func.: ogf

```
      2                  2                                 2
{(-2 n  - n) a(n) + (4 n  + 8 n + 16204) a(n + 1) + (-2 n  - 7 n - 6) a(n + 2),

    a(0) = 1, a(1) = 16200}
```

Sequence: A035922
Score: 2.80767
Type of gen. func.: ogf

```
      2                  2                                 2
{(-2 n  - n) a(n) + (4 n  + 8 n + 16932) a(n + 1) + (-2 n  - 7 n - 6) a(n + 2),

    a(0) = 1, a(1) = 16928}
```

Sequence: A035923
Score: 2.85320
Type of gen. func.: ogf

$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 17676) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$

$a(0) = 1, a(1) = 17672\}$

Sequence: A035924
Score: 2.86837
Type of gen. func.: ogf

$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 18436) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$

$a(0) = 1, a(1) = 18432\}$

Sequence: A035925
Score: 2.86837
Type of gen. func.: ogf

$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 19212) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$

$a(0) = 1, a(1) = 19208\}$

Sequence: A035926
Score: 2.86837
Type of gen. func.: ogf

$\{(-2 n^2 - n) a(n) + (4 n^2 + 8 n + 20004) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2),$

$a(0) = 1, a(1) = 20000\}$

Sequence: A035927
Score: 4.18717
Type of gen. func.: ogf

$\{(11 + n) a(n + 1) + (-2 n - 14) a(n + 2) + (n + 3) a(n + 3), a(0) = 0,$

$a(1) = 9, a(2) = 54\}$

Sequence: A035929
Score: 8.63381
Type of gen. func.: ogf

$$-f(x)^2 x^2 + 2 f(x)^2 x - 2 f(x)^2 + f(x) x + f(x) - x$$

Sequence: A035930
Score: 9.96839
Type of gen. func.: ogf

$$\frac{x^{11} (9 x^8 + 8 x^7 + 7 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1)}{(x - 1)^2 (x + 1)^2 (x^4 + x^3 + x^2 + x + 1)^2 (x^4 - x^3 + x^2 - x + 1)^2}$$

Sequence: A035937
Score: 13.5986
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^4 + x^3 + x^2 + x}{x^7 - 1}$$

Sequence: A035938
Score: 13.6031
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^5 + x^3 + x^2 + 1}{x^7 - 1}$$

Sequence: A035939
Score: 13.9339
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^5 + x^4 + x + 1}{x^7 - 1}$$

Sequence: A035943
Score: 11.0357
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^5+1}{x^7-x^6+x^4-x^3+x-1}$$

Sequence: A035959
Score: 14.1172
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^3+x^2+x+1}{x^5-1}$$

Sequence: A035985
Score: 11.1813
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^5+x^4+x^3+x^2+x+1}{x^7-1}$$

Sequence: A036015
Score: 15.0303
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^4-x^3-x^2}{-x^8+1}$$

Sequence: A036016
Score: 16.2228
Type of gen. func.: ogf_with_Euler_transform]

```
   6    3
 -x  - x  - 1
- ------------
```

$$-x^{8} + 1$$

Sequence: A036018
Score: 10.8022
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{10} + x^{7} + x^{6} + x^{4} + x^{3} + 1}{x^{12} - 1}$$

Sequence: A036058
Score: 3.63857
Type of gen. func.: ogf

$$10\ x\ (98010000\ x^{9} - 99009900\ x^{8} - 1000100\ x^{7} - 139009900\ x^{6} - 1000100\ x^{5}$$
$$- 1299100\ x^{4} - 12900\ x^{3} - 200\ x^{2} - 110\ x - 1)/(x - 1)$$

Sequence: A036068
Score: 10.2404
Type of gen. func.: ogf

$$-\frac{3\ x^{2} - 3\ x + 1}{(3\ x - 1)^{3}}$$

Sequence: A036068
Score: 16.6429
Type of gen. func.: lgdogf

$$-\frac{3\ (3\ x^{2} - 4\ x + 2)}{(3\ x - 1)\ (3\ x^{2} - 3\ x + 1)}$$

Sequence: A036068
Score: 17.5676
Type of gen. func.: revogf

$$\frac{-1 + (1 + 9 x)^{(1/3)}}{3 (1 + 9 x)^{1/3}}$$

Sequence: A036068
Score: 5.60995
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 27 a(n + 1) - 27 a(n), a(0) = 1, a(1) = 6, a(2) = 30\}$$

Sequence: A036068
Score: 5.65917
Type of gen. func.: ogf

$$(27 f(x) - 7) (27 f(x) x^3 - 27 f(x) x^2 + 9 f(x) x + 3 x^2 - f(x) - 3 x + 1)$$

Sequence: A036070
Score: 14.1115
Type of gen. func.: revogf

$$\frac{-1 + (1 + 16 x)^{(1/4)}}{4 (1 + 16 x)^{1/4}}$$

Sequence: A036070
Score: 3.75492
Type of gen. func.: ogf

$$(16 f(x) + 9) (256 f(x) x^4 - 256 f(x) x^3 + 96 f(x) x^2 + 16 x^3 - 16 f(x) x - 16 x^2 + f(x) + 6 x - 1)$$

Sequence: A036070
Score: 5.17188
Type of gen. func.: ogf

$$\{(24 + 4 n) a(n + 1) + (-3 - n) a(n + 2), a(0) = 1, a(1) = 10\}$$

Sequence: A036070
Score: 6.44964
Type of gen. func.: ogf

$$-\frac{(2x-1)(8x^2-4x+1)}{(4x-1)^4}$$

Sequence: A036070
Score: 9.57564
Type of gen. func.: lgdogf

$$-\frac{2(32x^3-40x^2+20x-5)}{(2x-1)(4x-1)(8x^2-4x+1)}$$

Sequence: A036071
Score: 5.55555
Type of gen. func.: ogf

$$\{(-2-n)a(n+2)+(30+5n)a(n+1), a(0)=1, a(1)=25\}$$

Sequence: A036071
Score: 52.4646
Type of gen. func.: lgdogf

$$-\frac{25}{5x-1}$$

Sequence: A036071
Score: 9.05982
Type of gen. func.: ogf

$$-\frac{1}{(5x-1)^5}$$

Sequence: A036074
Score: 31.9868
Type of gen. func.: lgdegf]

$$\exp(4 x) + \exp(x)$$

Sequence: A036075
Score: 33.7210
Type of gen. func.: lgdegf]

$$\exp(5 x) + \exp(x)$$

Sequence: A036076
Score: 35.2625
Type of gen. func.: lgdegf]

$$\exp(x) + \exp(6 x)$$

Sequence: A036077
Score: 32.1097
Type of gen. func.: lgdegf]

$$\exp(7 x) + \exp(x)$$

Sequence: A036078
Score: 32.8652
Type of gen. func.: lgdegf]

$$\exp(8 x) + \exp(x)$$

Sequence: A036079
Score: 33.6208
Type of gen. func.: lgdegf]

$$\exp(9 x) + \exp(x)$$

Sequence: A036080
Score: 32.0507
Type of gen. func.: lgdegf]

$$\exp(x) + \exp(10 x)$$

Sequence: A036081
Score: 7.38231
Type of gen. func.: lgdegf]

$$11 a(n + 1) + (-12 n - 24) a(n + 2) + (n^2 + 5 n + 6) a(n + 3), a(0) = 2, a(1) = 12, a(2) = 61$$

Sequence: A036082
Score: 33.2902
Type of gen. func.: lgdegf]

$$\exp(12 x) + \exp(x)$$

Sequence: A036083
Score: 14.6447
Type of gen. func.: revogf

$$\frac{-1 + (1 + 25 x)^{(1/5)}}{5 (1 + 25 x)^{1/5}}$$

Sequence: A036083
Score: 5.11961
Type of gen. func.: ogf

$$- \frac{125 x^4 - 125 x^3 + 50 x^2 - 10 x + 1}{(5 x - 1)^5}$$

Sequence: A036083
Score: 5.36110
Type of gen. func.: ogf

$$\{(5 n + 35) a(n + 1) + (-3 - n) a(n + 2), a(0) = 1, a(1) = 15\}$$

Sequence: A036083
Score: 7.52026
Type of gen. func.: lgdogf

$$-\frac{5\,(125\,x^4 - 150\,x^3 + 75\,x^2 - 20\,x + 3)}{(5\,x - 1)\,(125\,x^4 - 125\,x^3 + 50\,x^2 - 10\,x + 1)}$$

Sequence: A036084
Score: 47.9320
Type of gen. func.: lgdogf

$$-\frac{36}{6\,x - 1}$$

Sequence: A036084
Score: 5.53533
Type of gen. func.: ogf

$$\{(-2 - n)\,a(n + 2) + (42 + 6\,n)\,a(n + 1),\ a(0) = 1,\ a(1) = 36\}$$

Sequence: A036084
Score: 7.06922
Type of gen. func.: ogf

$$\frac{1}{(6\,x - 1)^6}$$

Sequence: A036085
Score: 4.70614
Type of gen. func.: ogf

$$\frac{(x + 1)\,(x^6 + 120\,x^5 + 1191\,x^4 + 2416\,x^3 + 1191\,x^2 + 120\,x + 1)}{(x - 1)^8}$$

Sequence: A036085

Score: 5.99490
Type of gen. func.: lgdogf

$$-\frac{x^7+249x^6+4659x^5+20983x^4+32463x^3+18687x^2+3469x+129}{(x-1)(x+1)(x^6+120x^5+1191x^4+2416x^3+1191x^2+120x+1)}$$

Sequence: A036117
Score: 5.91786
Type of gen. func.: lgdogf

$$-(6x^{10}-6x^9+15x^8-x^6-22x^5+34x^4-20x^3+10x^2+4x+2)\Big/\Big((x-1)(x+1)(x^4-x^3+x^2-x+1)(6x^5-3x^4+4x^3+2x^2+x+1)\Big)$$

Sequence: A036117
Score: 8.55966
Type of gen. func.: ogf

$$-\frac{6x^5-3x^4+4x^3+2x^2+x+1}{(x-1)(x+1)(x^4-x^3+x^2-x+1)}$$

Sequence: A036118
Score: 7.58765
Type of gen. func.: ogf

$$-\frac{7x^6+3x^5-5x^4+4x^3+2x^2+x+1}{(x-1)(x^2+1)(x^4-x^2+1)}$$

Sequence: A036119
Score: 6.44435
Type of gen. func.: ogf

$$-\frac{6x^8-4x^7+10x^6-8x^5+3x^4+x^3+6x^2+2x+1}{(x-1)(x^8+1)}$$

Sequence: A036120
Score: 5.91480
Type of gen. func.: ogf

$$-\frac{10 x^9 - 5 x^8 + 7 x^7 - 6 x^6 - 3 x^5 + 8 x^4 + 4 x^3 + 2 x^2 + x + 1}{(x - 1) (x + 1) (x^2 - x + 1) (x^6 - x^3 + 1)}$$

Sequence: A036121
Score: 5.82276
Type of gen. func.: ogf

$$- (14 x^{11} - 2 x^{10} - 5 x^9 - x^8 + 9 x^7 - 12 x^6 + 16 x^5 - 6 x^4 + 8 x^3 - 3 x^2 + 4 x + 1) / ((x - 1) (x + 1) (x^{10} - x^9 + x^8 - x^7 + x^6 - x^5 + x^4 - x^3 + x^2 - x + 1))$$

Sequence: A036216
Score: 11.2766
Type of gen. func.: ogf

$$\frac{1}{(3 x - 1)^4}$$

Sequence: A036216
Score: 4.83282
Type of gen. func.: ogf

$$-(f(x) + 1) (81 f(x) x^4 - 108 f(x) x^3 + 54 f(x) x^2 - 12 f(x) x + f(x) - 1)$$

Sequence: A036216
Score: 5.74467
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (15 + 3 n) a(n + 1), a(0) = 1, a(1) = 12\}$$

Sequence: A036216
Score: 54.2337
Type of gen. func.: lgdogf

$$-\frac{12}{3x-1}$$

Sequence: A036217
Score: 5.51460
Type of gen. func.: ogf

$$\{(-2-n)a(n+2)+(18+3n)a(n+1), a(0)=1, a(1)=15\}$$

Sequence: A036217
Score: 52.0336
Type of gen. func.: lgdogf

$$-\frac{15}{3x-1}$$

Sequence: A036217
Score: 9.58275
Type of gen. func.: ogf

$$-\frac{1}{(3x-1)^5}$$

Sequence: A036219
Score: 45.4352
Type of gen. func.: lgdogf

$$-\frac{18}{3x-1}$$

Sequence: A036219
Score: 5.25666
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (21 + 3 n) a(n + 1), a(0) = 1, a(1) = 18}

Sequence: A036219
Score: 7.14367
Type of gen. func.: ogf

$$\frac{1}{(3x-1)^{6}}$$

Sequence: A036220
Score: 5.45449
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (24 + 3 n) a(n + 1), a(0) = 1, a(1) = 21}

Sequence: A036220
Score: 51.4721
Type of gen. func.: lgdogf

$$-\frac{21}{3x-1}$$

Sequence: A036220
Score: 6.72298
Type of gen. func.: ogf

$$-\frac{1}{(3x-1)^{7}}$$

Sequence: A036221
Score: 44.4120
Type of gen. func.: lgdogf

$$-\frac{24}{3x-1}$$

Sequence: A036221
Score: 5.13888
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (27 + 3 n) a(n + 1), a(0) = 1, a(1) = 24\}$$

Sequence: A036221
Score: 5.18782
Type of gen. func.: ogf

$$\frac{1}{(3 x - 1)^{8}}$$

Sequence: A036222
Score: 4.83912
Type of gen. func.: ogf

$$- \frac{1}{(3 x - 1)^{9}}$$

Sequence: A036222
Score: 5.24999
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (30 + 3 n) a(n + 1), a(0) = 1, a(1) = 27\}$$

Sequence: A036223
Score: 34.7812
Type of gen. func.: lgdogf

$$-30 + (1 - 3 x) f(x)$$

Sequence: A036223
Score: 5.36110
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (33 + 3 n) a(n + 1), a(0) = 1, a(1) = 30\}$$

Sequence: A036224
Score: 14.2237
Type of gen. func.: revogf

$$\frac{-1 + (1 + 36 x)^{(1/6)}}{6 (1 + 36 x)^{1/6}}$$

Sequence: A036224
Score: 4.00044
Type of gen. func.: ogf

$$- \frac{(3 x - 1) (12 x^2 - 6 x + 1) (36 x^2 - 6 x + 1)}{(6 x - 1)^6}$$

Sequence: A036224
Score: 5.20812
Type of gen. func.: ogf

{(48 + 6 n) a(n + 1) + (-3 - n) a(n + 2), a(0) = 1, a(1) = 21}

Sequence: A036224
Score: 5.81182
Type of gen. func.: lgdogf

$$- \frac{3 (2592 x^5 - 3024 x^4 + 1512 x^3 - 420 x^2 + 70 x - 7)}{(6 x - 1) (3 x - 1) (12 x^2 - 6 x + 1) (36 x^2 - 6 x + 1)}$$

Sequence: A036226
Score: 4.68202
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (56 + 7 n) a(n + 1), a(0) = 1, a(1) = 49}

Sequence: A036226

Score: 44.1094
Type of gen. func.: lgdogf

$$-\frac{49}{7x-1}$$

Sequence: A036226
Score: 5.16973
Type of gen. func.: ogf

$$-\frac{1}{(7x-1)^{7}}$$

Sequence: A036239
Score: 4.87147
Type of gen. func.: ogf

$$-(55 f(x) - 2084)$$

$$(24 f(x) x^{4} - 50 f(x) x^{3} + 35 f(x) x^{2} - 10 f(x) x + 5 x^{2} + f(x) - 2 x)$$

Sequence: A036239
Score: 9.01173
Type of gen. func.: lgdogf

$$-\frac{360 x^{4} - 692 x^{3} + 475 x^{2} - 140 x + 15}{(x-1)(4x-1)(3x-1)(2x-1)(5x-2)}$$

Sequence: A036239
Score: 9.67232
Type of gen. func.: ogf

$$-\frac{x(5x-2)}{(x-1)(3x-1)(2x-1)(4x-1)}$$

Sequence: A036240
Score: 6.00821
Type of gen. func.: ogf

$$\frac{4 x^2 (43 x^2 - 25 x + 3)}{(x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (8 x - 1) (7 x - 1)}$$

Sequence: A036242
Score: 6.24320
Type of gen. func.: ogf

$$\{a(n + 1) + (2 n + 8) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 4, a(2) = 25\}$$

Sequence: A036244
Score: 6.04181
Type of gen. func.: ogf

$$\{-a(n + 1) + (-2 n - 7) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 3, a(2) = 16\}$$

Sequence: A036245
Score: 5.31227
Type of gen. func.: ogf

$$\{a(n + 1) + (n^2 + 8 n + 16) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 4, a(2) = 37\}$$

Sequence: A036246
Score: 2.86907
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 1) + (-n^3 - 10 n^2 - 33 n - 36) a(n + 2)$$
$$+ (-n^3 - 14 n^2 - 64 n - 98) a(n + 3) + (n + 4) a(n + 4), a(0) = 1,$$
$$a(1) = 5, a(2) = 46, a(3) = 741\}$$

Sequence: A036255
Score: 4.83865
Type of gen. func.: ogf

$$(1152749 f(x) - 657834)$$
$$(12500 f(x) x^3 - 3125 f(x) x^2 + 130 f(x) x + 3750 x^2 - f(x) - 225 x + 9)$$

Sequence: A036255
Score: 5.18154
Type of gen. func.: ogf

$$\{a(n+3) - 130\,a(n+2) + 3125\,a(n+1) - 12500\,a(n),\ a(0) = 9,\ a(1) = 945,\ a(2) = 98475\}$$

Sequence: A036255
Score: 7.03504
Type of gen. func.: lgdogf

$$-\frac{5\,(3125000\,x^4 - 375000\,x^3 + 36875\,x^2 - 3250\,x + 63)}{(100\,x - 1)\,(25\,x - 1)\,(5\,x - 1)\,(1250\,x^2 - 75\,x + 3)}$$

Sequence: A036255
Score: 8.77408
Type of gen. func.: ogf

$$-\frac{3\,(1250\,x^2 - 75\,x + 3)}{(100\,x - 1)\,(25\,x - 1)\,(5\,x - 1)}$$

Sequence: A036256
Score: 3.53183
Type of gen. func.: ogf

$$\{(-4\,n - 12)\,a(n+1) + (4\,n + 10)\,a(n+2) + (n+7)\,a(n+3) + (-n - 5)\,a(n+4),\ a(0) = 1,\ a(1) = 2,\ a(2) = 4,\ a(3) = 7\}$$

Sequence: A036256
Score: 5.33818
Type of gen. func.: ogf

$$-2\,f(x)^2\,x^4 + 5\,f(x)^2\,x^3 - 4\,f(x)^2\,x^2 + f(x)^2\,x + 2\,f(x)\,x^2 - 3\,f(x)\,x + f(x) - 1$$

Sequence: A036257
Score: 4.55988
Type of gen. func.: ogf

$$(4418469 f(x) - 1189013) (12500 f(x) x^3 - 3125 f(x) x^2 + 130 f(x) x + 1125 x^2 - f(x) - 40 x + 1)$$

Sequence: A036257
Score: 4.96114
Type of gen. func.: ogf

$$\{a(n + 3) - 130 a(n + 2) + 3125 a(n + 1) - 12500 a(n), a(0) = 1, a(1) = 90, a(2) = 9700\}$$

Sequence: A036257
Score: 6.77013
Type of gen. func.: lgdogf

$$- \frac{10 (1406250 x^4 - 100000 x^3 + 1625 x^2 - 400 x + 9)}{(100 x - 1) (25 x - 1) (5 x - 1) (1125 x^2 - 40 x + 1)}$$

Sequence: A036257
Score: 8.38031
Type of gen. func.: ogf

$$- \frac{1125 x^2 - 40 x + 1}{(100 x - 1) (25 x - 1) (5 x - 1)}$$

Sequence: A036258
Score: 5.00324
Type of gen. func.: ogf

$$(21280 f(x) - 69637) (250 f(x) x^4 - 75 f(x) x^3 - 45 f(x) x^2 + 75 x^3 + 15 f(x) x - f(x) - 6 x + 1)$$

Sequence: A036258
Score: 7.31515
Type of gen. func.: lgdogf

$$-\frac{18750 x^6 - 1125 x^4 - 350 x^3 + 270 x^2 - 90 x + 9}{(5 x - 1) (10 x - 1) (5 x^2 - 1) (75 x^3 - 6 x + 1)}$$

Sequence: A036258
Score: 9.53949
Type of gen. func.: ogf

$$-\frac{75 x^3 - 6 x + 1}{(5 x - 1) (10 x - 1) (5 x^2 - 1)}$$

Sequence: A036289
Score: 12.8629
Type of gen. func.: ogf

$$-4 f(x) x^2 + 4 f(x) x - f(x) + 2 x$$

Sequence: A036289
Score: 20.5111
Type of gen. func.: ogf

$$\frac{2 x}{(2 x - 1)^2}$$

Sequence: A036289
Score: 32.5483
Type of gen. func.: revogf

$$\frac{2 x}{(1 + (4 x + 1)^{1/2})^2}$$

Sequence: A036289
Score: 68.0554
Type of gen. func.: lgdogf

$$-\frac{4}{2x-1}$$

Sequence: A036289
Score: 9.36928
Type of gen. func.: ogf

$$\{a(n+2) - 4\,a(n+1) + 4\,a(n),\ a(0) = 0,\ a(1) = 2\}$$

Sequence: A036290
Score: 11.2388
Type of gen. func.: ogf

$$-9\,f(x)\,x^2 + 6\,f(x)\,x - f(x) + 3\,x$$

Sequence: A036290
Score: 17.9213
Type of gen. func.: ogf

$$\frac{3x}{(3x-1)^2}$$

Sequence: A036290
Score: 26.1373
Type of gen. func.: revogf

$$\frac{4x}{3\,(1 + (4x+1)^{1/2})^2}$$

Sequence: A036290
Score: 59.4030
Type of gen. func.: lgdogf

$$-\frac{6}{}$$

$$3 x - 1$$

Sequence: A036290
Score: 8.18628
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 9 a(n), a(0) = 0, a(1) = 3\}$$

Sequence: A036291
Score: 15.4568
Type of gen. func.: ogf

$$\frac{5 x}{(5 x - 1)^2}$$

Sequence: A036291
Score: 23.7473
Type of gen. func.: revogf

$$\frac{4 x}{5 (1 + (4 x + 1)^{1/2})^2}$$

Sequence: A036291
Score: 53.9710
Type of gen. func.: lgdogf

$$- \frac{10}{5 x - 1}$$

Sequence: A036291
Score: 7.26283
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 25 a(n), a(0) = 0, a(1) = 5\}$$

Sequence: A036291
Score: 9.88222

Type of gen. func.: ogf

$$-25 f(x) x^2 + 10 f(x) x - f(x) + 5 x$$

Sequence: A036292
Score: 11.8574
Type of gen. func.: ogf

$$-36 f(x) x^2 + 12 f(x) x - f(x) + 6 x$$

Sequence: A036292
Score: 18.5462
Type of gen. func.: ogf

$$\frac{6 x}{(6 x - 1)^2}$$

Sequence: A036292
Score: 23.2469
Type of gen. func.: revogf

$$\frac{2 x}{3 (1 + (4 x + 1)^{1/2})^2}$$

Sequence: A036292
Score: 52.8338
Type of gen. func.: lgdogf

$$-\frac{12}{6 x - 1}$$

Sequence: A036292
Score: 8.71449
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 36 a(n), a(0) = 0, a(1) = 6\}$$

Sequence: A036293
Score: 10.215
Type of gen. func.: ogf

$$-49 f(x) x^2 + 14 f(x) x - f(x) + 7 x$$

Sequence: A036293
Score: 15.9772
Type of gen. func.: ogf

$$\frac{7 x}{(7 x - 1)^2}$$

Sequence: A036293
Score: 24.5650
Type of gen. func.: revogf

$$\frac{4 x}{7 (1 + (4 x + 1)^{1/2})^2}$$

Sequence: A036293
Score: 51.1771
Type of gen. func.: lgdogf

$$- \frac{14}{7 x - 1}$$

Sequence: A036293
Score: 7.50737
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1) + 49 a(n), a(0) = 0, a(1) = 7\}$$

Sequence: A036294
Score: 12.1282
Type of gen. func.: ogf

$$-64 f(x) x^2 + 16 f(x) x - f(x) + 8 x$$

Sequence: A036294
Score: 18.9697
Type of gen. func.: ogf

$$\frac{8 x}{(8 x - 1)^2}$$

Sequence: A036294
Score: 23.4377
Type of gen. func.: revogf

$$\frac{x}{2 (1 + (4 x + 1)^{1/2})^2}$$

Sequence: A036294
Score: 48.8286
Type of gen. func.: lgdogf

$$- \frac{16}{8 x - 1}$$

Sequence: A036294
Score: 8.91347
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1) + 64 a(n), a(0) = 0, a(1) = 8\}$$

Sequence: A036353
Score: 3.98938
Type of gen. func.: ogf

$$\{a(n + 4) - 9603 a(n + 3) + 9603 a(n + 2) - a(n + 1), a(0) = 0, a(1) = 1, a(2) = 9801, a(3) = 94109401\}$$

Sequence: A036353
Score: 8.03341
Type of gen. func.: ogf

$$-\frac{x\,(x^2+198\,x+1)}{(x-1)\,(x^2-9602\,x+1)}$$

Sequence: A036354
Score: 4.93107
Type of gen. func.: ogf

$$-\frac{x^6+80\,x^5+5848\,x^4+222070\,x^3+5848\,x^2+80\,x+1}{(x-1)\,(x^6-2079362\,x^3+1)}$$

Sequence: A036404
Score: 18.6801
Type of gen. func.: ogf_with_Euler_transform]

$$-2\,x^5+x^4+2\,x^2+x+1$$

Sequence: A036404
Score: 7.32769
Type of gen. func.: ogf

$$-\frac{x\,(x+1)\,(x^2-x+1)^2}{(x^4+x^3+x^2+x+1)\,(x-1)^3}$$

Sequence: A036404
Score: 9.12512
Type of gen. func.: lgdogf

$$-\frac{2\,x^7+x^6+3\,x^5+9\,x^4+4\,x^3+7\,x^2+3\,x+1}{(x-1)\,(x+1)\,(x^2-x+1)\,(x^4+x^3+x^2+x+1)}$$

Sequence: A036405
Score: 13.7709
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{9} + x^{6} - x^{5} + x^{4} + x^{2} + x + 1$$

Sequence: A036405
Score: 7.50852
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^{2} - x + 1) (x^{4} - x^{3} + x^{2} - x + 1)}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{3}}$$

Sequence: A036406
Score: 18.8504
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{9} + x^{4} + x^{3} + x + 1$$

Sequence: A036406
Score: 8.00274
Type of gen. func.: ogf

$$-\frac{x (x^{4} - x^{3} + x^{2} - x + 1)}{(x^{2} + 1) (x + 1) (x - 1)^{3}}$$

Sequence: A036406
Score: 9.67261
Type of gen. func.: lgdogf

$$-\frac{2 x^{7} - x^{6} + 4 x^{5} - 3 x^{4} + 8 x^{3} - x^{2} + 2 x + 1}{(x - 1) (x + 1) (x^{2} + 1) (x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A036407
Score: 7.11278
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^8 - 2 x^7 + 2 x^6 - x^5 + x^4 - x^3 + 2 x^2 - 2 x + 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^3}$$

Sequence: A036408
Score: 7.08731
Type of gen. func.: ogf

$$-\frac{x (x^{10} - x^9 + x^7 + x^3 - x + 1)}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^3}$$

Sequence: A036409
Score: 12.1933
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{11} + x^{10} - x^9 + x^4 + x^3 + x^2 + 1$$

Sequence: A036409
Score: 7.01349
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^2 - x + 1) (x^4 - x^3 + x^2 - x + 1) (x^4 - x^2 + 1)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A036410
Score: 11.5046
Type of gen. func.: lgdogf

$$-\frac{2 x^7 + 3 x^6 + 6 x^3 + 4 x^2 + 2 x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^4 - x^2 + 1)}$$

Sequence: A036410
Score: 16.7875
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{11} + x^{5} + x^{3} + x^{2} + 1$$

Sequence: A036410
Score: 9.57462
Type of gen. func.: ogf

$$-\frac{x^{4} - x^{2} + 1}{(x^{2} + x + 1)\ (x + 1)\ (x - 1)^{3}}$$

Sequence: A036411
Score: 5.51717
Type of gen. func.: ogf

$$-\frac{x^{4} + 8\ x^{3} + 182\ x^{2} + 8\ x + 1}{(x - 1)\ (x^{2} - 30\ x + 1)\ (x^{2} + 30\ x + 1)}$$

Sequence: A036428
Score: 4.80391
Type of gen. func.: ogf

$(58710606\ f(x) - 394673)$

$(f(x)\ x^{3} - 195\ f(x)\ x^{2} + 195\ f(x)\ x + x^{2} - f(x) + 30\ x + 1)$

Sequence: A036428
Score: 5.04017
Type of gen. func.: ogf

$\{a(n + 3) - 195\ a(n + 2) + 195\ a(n + 1) - a(n),\ a(0) = 1,\ a(1) = 225,$

$a(2) = 43681\}$

Sequence: A036428
Score: 9.31668
Type of gen. func.: ogf

$$-\frac{x^2 + 30 x + 1}{(x - 1) (x^2 - 194 x + 1)}$$

Sequence: A036444
Score: 8.24660
Type of gen. func.: ogf

$$\frac{x^{20} - x^{19} + x^{17} + x^9 - x^8 + x^7 - x^6 + x^5 + x^2 - x - 4}{x - 1}$$

Sequence: A036453
Score: 13.7680
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1), a(0) = 1, a(1) = 2\}$$

Sequence: A036453
Score: 22.0287
Type of gen. func.: ogf

$$-f(x) x + f(x) - x - 1$$

Sequence: A036453
Score: 26.7917
Type of gen. func.: ogf

$$-\frac{x + 1}{x - 1}$$

Sequence: A036453
Score: 30.3962
Type of gen. func.: revogf

$$(x^2 + 6 x + 1)^{1/2}$$

```
                        - x/2 - 1/2 + -----------------
                                              2


------------------------------------------------------------------------------

Sequence:  A036453
Score: 47.1074
Type of gen. func.: ogf_with_Euler_transform]


                                    [2 - x]



------------------------------------------------------------------------------

Sequence:  A036453
Score: 69.4770
Type of gen. func.: lgdogf


                                        2
                               - ---------------
                                 (x - 1) (x + 1)



------------------------------------------------------------------------------

Sequence:  A036464
Score: 31.9052
Type of gen. func.: lgdogf


                                    11 + 4 x
                               - ---------------
                                 (x + 2) (x - 1)



------------------------------------------------------------------------------

Sequence:  A036464
Score: 4.54403
Type of gen. func.: ogf


{(2 + 2 n) a(n + 3) + (-11 - n) a(n + 2) + (-3 - n) a(n + 1), a(0) = 0,

    a(1) = 0, a(2) = 8}



------------------------------------------------------------------------------

Sequence:  A036464
Score: 8.57039
Type of gen. func.: ogf


                                      2
                                   4 x  (x + 2)
                                 - ------------
                                            5
                                     (x - 1)


------------------------------------------------------------------------------
```

Sequence: A036469
Score: 18.0656
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^2-2}{-x^2+1}$$

Sequence: A036486
Score: 17.6947
Type of gen. func.: lgdogf

$$-\frac{4(3x+1)(x^2+x+1)}{(x-1)(x+1)(4x^2+x+1)}$$

Sequence: A036486
Score: 9.75126
Type of gen. func.: ogf

$$\frac{x(4x^2+x+1)}{(x+1)(x-1)^4}$$

Sequence: A036487
Score: 16.4579
Type of gen. func.: lgdogf

$$-\frac{3x^3+7x^2+25x+13}{(x-1)(x+1)(x^2+x+4)}$$

Sequence: A036487
Score: 8.60674
Type of gen. func.: ogf

$$\frac{x^2(x^2+x+4)}{(x+1)(x-1)^4}$$

Sequence: A036498
Score: 10.1380
Type of gen. func.: ogf

$$-\frac{x\,(5\,x^{2}+2\,x+5)}{(x+1)^{2}\,(x-1)^{3}}$$

Sequence: A036498
Score: 16.8646
Type of gen. func.: lgdogf

$$-\frac{(5\,x+1)\,(3\,x^{2}+2\,x+7)}{(x-1)\,(x+1)\,(5\,x^{2}+2\,x+5)}$$

Sequence: A036499
Score: 12.8194
Type of gen. func.: lgdogf

$$-\frac{x^{5}+3\,x^{4}+29\,x^{3}+15\,x^{2}+22\,x+2}{(x-1)\,(x+1)\,(x^{4}+x^{3}+8\,x^{2}+x+1)}$$

Sequence: A036499
Score: 9.12804
Type of gen. func.: ogf

$$-\frac{x^{4}+x^{3}+8\,x^{2}+x+1}{(x+1)^{2}\,(x-1)^{3}}$$

Sequence: A036507
Score: 12.4767
Type of gen. func.: revogf

$$\qquad ^{2} \qquad\qquad\qquad ^{1/2}$$

$$\frac{-5 + (x + 1024 x + 25)}{10 (1024 + x)}$$

Sequence: A036507
Score: 5.51504
Type of gen. func.: ogf

$$\{a(n + 3) - 100 a(n + 1), a(0) = 0, a(1) = 100, a(2) = 102400\}$$

Sequence: A036507
Score: 6.6761
Type of gen. func.: ogf

$$-f(x) (100 f(x) x^{2} + 102400 x^{2} - f(x) + 100 x)$$

Sequence: A036507
Score: 9.39600
Type of gen. func.: ogf

$$- \frac{100 x (1024 x + 1)}{(10 x - 1) (1 + 10 x)}$$

Sequence: A036507
Score: 9.41634
Type of gen. func.: lgdogf

$$- \frac{8 (12800 x^{2} + 25 x + 128)}{(1024 x + 1) (1 + 10 x) (10 x - 1)}$$

Sequence: A036517
Score: 5.35077
Type of gen. func.: ogf

$$- \frac{100 x (1998000 x^{6} - 172280 x^{4} + 2100 x^{3} - 2677 x^{2} - 201 x - 3)}{(10 x - 1) (1 + 10 x) (10 x^{2} - 1)}$$

Sequence: A036527
Score: 14.2557
Type of gen. func.: ogf

$$-\frac{4096000 x^4 + 140608 x^2 + 1}{(10 x - 1) (100 x^2 + 10 x + 1)}$$

Sequence: A036527
Score: 6.4536
Type of gen. func.: ogf

$$-(8521984481056448534321323 f(x) + 1851287333431593303164321792)$$

$$(1000 f(x) x^3 + 4096000 x^4 + 140608 x^2 - f(x) + 1)$$

Sequence: A036527
Score: 7.70267
Type of gen. func.: ogf

$$\{a(n + 5) - 1000 a(n + 2), a(0) = 1, a(1) = 0, a(2) = 140608, a(3) = 1000, a(4) = 4096000\}$$

Sequence: A036542
Score: 5.36266
Type of gen. func.: ogf

$$-(44 f(x) - 761) (4 f(x) x^4 - 12 f(x) x^3 + 13 f(x) x^2 + 5 x^3 - 6 f(x) x - 6 x^2 + f(x) + 3 x - 1)$$

Sequence: A036542
Score: 8.04720
Type of gen. func.: lgdogf

$$-\frac{10 x^4 - 9 x^3 + 3 x^2 - 5 x + 3}{(x - 1) (2 x - 1) (5 x^3 - 6 x^2 + 3 x - 1)}$$

Sequence: A036542
Score: 9.91076
Type of gen. func.: ogf

$$-\frac{5 x^3 - 6 x^2 + 3 x - 1}{(2 x - 1)^2 (x - 1)^2}$$

Sequence: A036543
Score: 14.1631
Type of gen. func.: ogf

$$\frac{5 x + 1}{(3 x - 1) (x - 1)}$$

Sequence: A036543
Score: 14.5224
Type of gen. func.: revogf

$$-\frac{-4 x - 1 + (4 x^2 + 28 x + 1)^{1/2}}{2 (-5 + 3 x)}$$

Sequence: A036543
Score: 16.0119
Type of gen. func.: lgdogf

$$-\frac{3 (x + 1) (-3 + 5 x)}{(x - 1) (5 x + 1) (3 x - 1)}$$

Sequence: A036543
Score: 7.32572
Type of gen. func.: ogf

$$(10 f(x) + 17) (3 f(x) x^2 - 4 f(x) x + f(x) - 5 x - 1)$$

Sequence: A036543
Score: 7.77241

Type of gen. func.: ogf

$$\{-a(n+2) + 4 a(n+1) - 3 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A036544
Score: 3.38081
Type of gen. func.: ogf

$$-(f(x) - 2) (10 f(x) x^3 - 21 f(x) x^2 + 12 f(x) x + 2 x^2 - f(x) - 20 x + 2)$$

Sequence: A036544
Score: 3.49840
Type of gen. func.: ogf

$$\{a(n+3) - 12 a(n+2) + 21 a(n+1) - 10 a(n), a(0) = 2, a(1) = 4, a(2) = 8\}$$

Sequence: A036544
Score: 6.18948
Type of gen. func.: ogf

$$-\frac{2 (x^2 - 10 x + 1)}{(10 x - 1) (x - 1)^2}$$

Sequence: A036544
Score: 7.24043
Type of gen. func.: lgdogf

$$-\frac{2 (5 x^3 - 95 x^2 + 19 x - 1)}{(x - 1) (10 x - 1) (x^2 - 10 x + 1)}$$

Sequence: A036545
Score: 13.2649
Type of gen. func.: ogf

$$\frac{13 x + 1}{(3 x - 1) (x - 1)}$$

Sequence: A036545
Score: 13.5789
Type of gen. func.: revogf

$$-\frac{-4 x - 1 + (4 x^2 + 60 x + 1)^{1/2}}{2 (-13 + 3 x)}$$

Sequence: A036545
Score: 14.9368
Type of gen. func.: lgdogf

$$-\frac{39 x^2 + 6 x - 17}{(x - 1) (3 x - 1) (13 x + 1)}$$

Sequence: A036545
Score: 6.85603
Type of gen. func.: ogf

$$(62 f(x) + 227) (3 f(x) x^2 - 4 f(x) x + f(x) - 13 x - 1)$$

Sequence: A036545
Score: 7.35164
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 17\}$$

Sequence: A036546
Score: 13.7485
Type of gen. func.: ogf

$$\frac{29 x + 1}{(3 x - 1) (x - 1)}$$

Sequence: A036546
Score: 13.7715
Type of gen. func.: revogf

$$-\frac{-4 x - 1 + (4 x^2 + 124 x + 1)^{1/2}}{2 (-29 + 3 x)}$$

Sequence: A036546
Score: 14.7552
Type of gen. func.: lgdogf

$$-\frac{3 (29 x^2 + 2 x - 11)}{(x - 1) (29 x + 1) (3 x - 1)}$$

Sequence: A036546
Score: 7.10599
Type of gen. func.: ogf

$$(14 f(x) + 107) (3 f(x) x^2 - 4 f(x) x + f(x) - 29 x - 1)$$

Sequence: A036546
Score: 7.61966
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 33\}$$

Sequence: A036547
Score: 13.0873
Type of gen. func.: ogf

$$\frac{61 x + 1}{(3 x - 1) (x - 1)}$$

Sequence: A036547
Score: 13.0994
Type of gen. func.: revogf

$$-\frac{-4 x - 1 + (4 x^2 + 252 x + 1)^{1/2}}{2 (-61 + 3 x)}$$

Sequence: A036547
Score: 14.3774
Type of gen. func.: lgdogf

$$-\frac{183 x^2 + 6 x - 65}{(x - 1) (3 x - 1) (61 x + 1)}$$

Sequence: A036547
Score: 6.61555
Type of gen. func.: ogf

$$(254 f(x) + 3971) (3 f(x) x^2 - 4 f(x) x + f(x) - 61 x - 1)$$

Sequence: A036547
Score: 7.25318
Type of gen. func.: ogf

{-a(n + 2) + 4 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 65}

Sequence: A036548
Score: 13.2758
Type of gen. func.: ogf

$$\frac{125 x + 1}{(3 x - 1) (x - 1)}$$

Sequence: A036548
Score: 13.2918
Type of gen. func.: revogf

$$-\frac{-4 x - 1 + (4 x^2 + 508 x + 1)^{1/2}}{2 (-125 + 3 x)}$$

Sequence: A036548
Score: 13.8959
Type of gen. func.: lgdogf

$$-\frac{3\,(125\,x^2 + 2\,x - 43)}{(x - 1)\,(3\,x - 1)\,(125\,x + 1)}$$

Sequence: A036548
Score: 6.78221
Type of gen. func.: ogf

$$(170\,f(x) + 5377)\,(3\,f(x)\,x^2 - 4\,f(x)\,x + f(x) - 125\,x - 1)$$

Sequence: A036548
Score: 7.42813
Type of gen. func.: ogf

$$\{-a(n + 2) + 4\,a(n + 1) - 3\,a(n),\ a(0) = 1,\ a(1) = 129\}$$

Sequence: A036549
Score: 12.2984
Type of gen. func.: revogf

$$-\frac{-4\,x - 1 + (4\,x^2 + 1020\,x + 1)^{1/2}}{2\,(-253 + 3\,x)}$$

Sequence: A036549
Score: 12.5615
Type of gen. func.: ogf

$$\frac{253\,x + 1}{(3\,x - 1)\,(x - 1)}$$

Sequence: A036549
Score: 13.4424
Type of gen. func.: lgdogf

$$-\frac{759\,x^2 + 6\,x - 257}{(x - 1)\,(3\,x - 1)\,(253\,x + 1)}$$

Sequence: A036549
Score: 6.28074
Type of gen. func.: ogf

$$(1022 f(x) + 65027) (3 f(x) x^2 - 4 f(x) x + f(x) - 253 x - 1)$$

Sequence: A036549
Score: 7.02844
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 257\}$$

Sequence: A036550
Score: 4.83852
Type of gen. func.: ogf

$$(161 f(x) + 66)$$

$$(6 f(x) x^4 - 17 f(x) x^3 + 17 f(x) x^2 - 7 f(x) x - 5 x^2 + f(x) + 4 x - 1)$$

Sequence: A036550
Score: 9.13186
Type of gen. func.: ogf

$$\frac{5 x^2 - 4 x + 1}{(3 x - 1) (2 x - 1) (x - 1)^2}$$

Sequence: A036550
Score: 9.48253
Type of gen. func.: lgdogf

$$- \frac{60 x^4 - 97 x^3 + 63 x^2 - 21 x + 3}{(x - 1) (3 x - 1) (2 x - 1) (5 x^2 - 4 x + 1)}$$

Sequence: A036551
Score: 11.2192
Type of gen. func.: ogf

$$-\frac{10 x^2 - 6 x + 1}{(x - 1) (6 x - 1) (2 x - 1)}$$

Sequence: A036551
Score: 5.83763
Type of gen. func.: ogf

$$-(1370 f(x) - 343)$$

$$(12 f(x) x^3 - 20 f(x) x^2 + 9 f(x) x + 10 x^2 - f(x) - 6 x + 1)$$

Sequence: A036551
Score: 6.24371
Type of gen. func.: ogf

{-a(n + 3) + 9 a(n + 2) - 20 a(n + 1) + 12 a(n), a(0) = 1, a(1) = 3, a(2) = 17}

Sequence: A036551
Score: 8.22020
Type of gen. func.: lgdogf

$$-\frac{120 x^4 - 144 x^3 + 66 x^2 - 20 x + 3}{(x - 1) (6 x - 1) (2 x - 1) (10 x^2 - 6 x + 1)}$$

Sequence: A036557
Score: 5.94407
Type of gen. func.: lgdogf

$$\frac{15 x^8 + 20 x^7 - 45 x^6 - 16 x^5 + 36 x^4 + 4 x^3 - 11 x^2 + 1}{(x - 1) (2 x - 1) (x + 1) (3 x^2 - 1) (x^5 - 3 x^4 - 3 x^3 + 4 x^2 + x - 1)}$$

Sequence: A036557
Score: 6.61221

Type of gen. func.: ogf

$$\frac{x^5 - 3 x^4 - 3 x^3 + 4 x^2 + x - 1}{(x - 1) (2 x - 1) (x + 1) (3 x^2 - 1)}$$

Sequence: A036562
Score: 4.87301
Type of gen. func.: ogf

$\{-a(n + 4) + 7 a(n + 3) - 14 a(n + 2) + 8 a(n + 1), a(0) = 1, a(1) = 8,$

$a(2) = 23, a(3) = 77\}$

Sequence: A036562
Score: 5.02181
Type of gen. func.: ogf

$$-(486 f(x) + 6851)$$

$$(8 f(x) x^3 - 14 f(x) x^2 + 20 x^3 + 7 f(x) x - 19 x^2 - f(x) + x + 1)$$

Sequence: A036562
Score: 8.48874
Type of gen. func.: lgdogf

$$- \frac{128 x^4 - 264 x^3 + 203 x^2 - 66 x + 8}{(x - 1) (4 x - 1) (2 x - 1) (20 x^3 - 19 x^2 + x + 1)}$$

Sequence: A036562
Score: 9.13689
Type of gen. func.: ogf

$$- \frac{20 x^3 - 19 x^2 + x + 1}{(2 x - 1) (4 x - 1) (x - 1)}$$

Sequence: A036563
Score: 15.5573

Type of gen. func.: ogf

$$\frac{5x-2}{(2x-1)(x-1)}$$

Sequence: A036563
Score: 18.2407
Type of gen. func.: lgdogf

$$-\frac{10x^2-8x+1}{(x-1)(2x-1)(5x-2)}$$

Sequence: A036563
Score: 18.2407
Type of gen. func.: revogf

$$\frac{-2+3x+(x^2+8x+4)^{1/2}}{2(2x-5)}$$

Sequence: A036563
Score: 7.86605
Type of gen. func.: ogf

$$-(2f(x)+5)(2f(x)x^2-3f(x)x+f(x)-5x+2)$$

Sequence: A036563
Score: 8.53755
Type of gen. func.: ogf

$$\{a(n+2)-3a(n+1)+2a(n),\ a(0)=-2,\ a(1)=-1\}$$

Sequence: A036564
Score: 12.0565
Type of gen. func.: ogf

$$\frac{(1+2x)(14x+1)}{(2x-1)(x-1)}$$

Sequence: A036564
Score: 12.7408
Type of gen. func.: lgdogf

$$-\frac{116 x^2 - 52 x - 19}{(x - 1) (2 x + 1) (-1 + 2 x) (14 x + 1)}$$

Sequence: A036564
Score: 6.37604
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 19, a(2) = 83\}$$

Sequence: A036564
Score: 6.69807
Type of gen. func.: ogf

$$(109 f(x) + 252) (2 f(x) x^2 - 3 f(x) x - 28 x^2 + f(x) - 16 x - 1)$$

Sequence: A036572
Score: 13.4481
Type of gen. func.: ogf

$$\frac{2 x^2 - 3}{(x + 1) (x - 1)^3}$$

Sequence: A036572
Score: 16.6830
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^3 + 2 x^2 - 4 x - 3)}{(x - 1) (x + 1) (2 x^2 - 3)}$$

Sequence: A036572
Score: 6.96856
Type of gen. func.: ogf

$$(21 f(x) - 607) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x - 2 x^2 - f(x) + 3)$$

Sequence: A036573
Score: 11.8537
Type of gen. func.: ogf

$$-\frac{x^3 - 4 x^2 + 4}{(x + 1) (x - 1)^3}$$

Sequence: A036573
Score: 15.0937
Type of gen. func.: lgdogf

$$-\frac{x^4 - 6 x^3 - 5 x^2 + 8 x + 8}{(x - 1) (x + 1) (x^3 - 4 x^2 + 4)}$$

Sequence: A036573
Score: 6.42077
Type of gen. func.: ogf

$$(106 f(x) - 4353) (f(x) x^4 - 2 f(x) x^3 + x^3 + 2 f(x) x - 4 x^2 - f(x) + 4)$$

Sequence: A036605
Score: 5.96249
Type of gen. func.: ogf

$$(8 f(x) + 7) (f(x) x^4 + 2 f(x) x^3 + f(x) x^2 + x^3 + 3 x^2 - f(x) + 4 x + 1)$$

Sequence: A036605
Score: 9.02861
Type of gen. func.: lgdogf

$$-\frac{x^6 + 6x^5 + 17x^4 + 20x^3 + 13x^2 + 8x + 4}{(x^2 + x + 1)(x^2 + x - 1)(x^3 + 3x^2 + 4x + 1)}$$

Sequence: A036605
Score: 9.71968
Type of gen. func.: ogf

$$-\frac{x^3 + 3x^2 + 4x + 1}{(x^2 + x + 1)(x^2 + x - 1)}$$

Sequence: A036659
Score: 10.2048
Type of gen. func.: ogf

$$\frac{x^2 + 6x + 2}{(x - 1)^4}$$

Sequence: A036659
Score: 20.8996
Type of gen. func.: lgdogf

$$-\frac{2(x^2 + 10x + 7)}{(x - 1)(x^2 + 6x + 2)}$$

Sequence: A036659
Score: 5.97501
Type of gen. func.: ogf

$$(2249694 f(x) + 11174087)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - x^2 + f(x) - 6x - 2)$$

Sequence: A036666
Score: 15.5610

Type of gen. func.: lgdogf

$$-\frac{9 x^3 + 19 x^2 + 25 x + 7}{(x - 1) (x + 1) (3 x^2 + 4 x + 3)}$$

Sequence: A036666
Score: 9.36395
Type of gen. func.: ogf

$$-\frac{x (3 x^2 + 4 x + 3)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A036681
Score: 10.4474
Type of gen. func.: ogf

$$\frac{(x + 2) (x - 1)}{(x^2 + x - 1)^3}$$

Sequence: A036681
Score: 16.0684
Type of gen. func.: lgdogf

$$-\frac{(2 x + 1) (2 x^2 + 2 x - 5)}{(x + 2) (x - 1) (x^2 + x - 1)}$$

Sequence: A036682
Score: 13.6797
Type of gen. func.: lgdogf

$$-\frac{2 (2 x + 1) (3 x^2 + 3 x - 5)}{(2 x^2 + 2 x - 3) (x^2 + x - 1)}$$

Sequence: A036682
Score: 6.63458
Type of gen. func.: ogf

$$-\frac{2 x^2 + 2 x - 3}{(x^2 + x - 1)^4}$$

Sequence: A036683
Score: 4.91440
Type of gen. func.: ogf

$$-\frac{x^4 + 2 x^3 - 4 x^2 - 5 x + 5}{(x^2 + x - 1)^5}$$

Sequence: A036683
Score: 9.43341
Type of gen. func.: lgdogf

$$-\frac{(2 x + 1) (3 x^4 + 6 x^3 - 15 x^2 - 18 x + 20)}{(x^2 + x - 1) (x^4 + 2 x^3 - 4 x^2 - 5 x + 5)}$$

Sequence: A036684
Score: 4.08294
Type of gen. func.: ogf

$$\frac{(x + 2) (x - 1) (3 x^2 + 3 x - 4)}{(x^2 + x - 1)^6}$$

Sequence: A036684
Score: 8.31673
Type of gen. func.: lgdogf

$$-\frac{2 (2 x + 1) (6 x^4 + 12 x^3 - 16 x^2 - 22 x + 19)}{(x - 1) (x + 2) (3 x^2 + 3 x - 4) (x^2 + x - 1)}$$

Sequence: A036754
Score: 10.1001
Type of gen. func.: lgdegf]

$$\frac{7}{x + 1}$$

Sequence: A036758
Score: 31.0610
Type of gen. func.: revogf

$$\frac{x}{x^3 + 6 x^2 + 5 x + 1}$$

Sequence: A036758
Score: 9.71471
Type of gen. func.: ogf

$$x^3 f(x)^3 + 6 f(x)^2 x^2 + 5 f(x) x - f(x) + 1$$

Sequence: A036759
Score: 4.24693
Type of gen. func.: ogf

$$f(x)^3 x^4 - 2 x^3 f(x)^3 + 2 f(x)^2 x^3 - 6 f(x)^2 x^2 + 2 f(x)^2 x - f(x) x^2 - 3 f(x) x + 2 f(x) - x - 2$$

Sequence: A036759
Score: 8.15962
Type of gen. func.: revogf

$$- \frac{-2 - 2 x^3 - 3 x - 6 x^2 + ((4 x^4 + 8 x^2 + 4 x + 1) (x + 2)^2)^{1/2}}{2 (x^3 + 2 x^2 - x - 1)}$$

Sequence: A036765
Score: 42.4065
Type of gen. func.: revogf

$$\frac{x}{(x + 1) (x^2 + 1)}$$

Sequence: A036765
Score: 9.88323
Type of gen. func.: ogf

$$-x^3 f(x)^3 - f(x)^2 x^2 - f(x) x + f(x) - 1$$

Sequence: A036766
Score: 34.8665
Type of gen. func.: revogf

$$\frac{x}{x^4 + x^3 + x^2 + x + 1}$$

Sequence: A036767
Score: 24.7798
Type of gen. func.: revogf

$$\frac{x}{(x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A036769
Score: 29.2327
Type of gen. func.: revogf

$$\frac{x}{(x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A036770

Score: 5.17392
Type of gen. func.: ogf

$$\{(-8 n^{3} - 48 n^{2} - 94 n - 60) a(n + 1) + (n + 3) a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A036774
Score: 10.8151
Type of gen. func.: egf]

$$-f(x)^{2} x - 2 f(x) x + 2 f(x) - 2 x$$

Sequence: A036774
Score: 4.28248
Type of gen. func.: ogf

$$\{(n^{3} + 3 n^{2} + 2 n) a(n) + (2 n^{2} + 7 n + 6) a(n + 1) + (-n - 3) a(n + 2),$$
$$a(0) = 0, a(1) = 1\}$$

Sequence: A036774
Score: 41.9402
Type of gen. func.: revegf]

$$\frac{2 x}{x^{2} + 2 x + 2}$$

Sequence: A036775
Score: 10.8789
Type of gen. func.: egf]

$$f(x)^{3} x + 3 f(x)^{2} x + 6 f(x) x - 6 f(x) + 6 x$$

Sequence: A036775
Score: 25.8757
Type of gen. func.: revegf]

$$\frac{6 x}{{}^{3} \qquad {}^{2}}$$

$$x + 3 x + 6 x + 6$$

Sequence: A036776
Score: 17.6219
Type of gen. func.: revegf]

$$\frac{24 x}{x^4 + 4 x^3 + 12 x^2 + 24 x + 24}$$

Sequence: A036777
Score: 13.3239
Type of gen. func.: revegf]

$$\frac{120 x}{x^5 + 5 x^4 + 20 x^3 + 60 x^2 + 120 x + 120}$$

Sequence: A036799
Score: 17.3226
Type of gen. func.: ogf

$$- \frac{2 x}{(x - 1) (-1 + 2 x)^2}$$

Sequence: A036799
Score: 32.0506
Type of gen. func.: lgdogf

$$- \frac{-5 + 6 x}{(-1 + 2 x) (x - 1)}$$

Sequence: A036799
Score: 6.95996
Type of gen. func.: ogf

$\{a(n + 3) - 5 a(n + 2) + 8 a(n + 1) - 4 a(n), a(0) = 0, a(1) = 2, a(2) = 10\}$

Sequence: A036799
Score: 7.87389
Type of gen. func.: ogf

$$(5 f(x) + 2) (4 f(x) x^3 - 8 f(x) x^2 + 5 f(x) x - f(x) + 2 x)$$

Sequence: A036800
Score: 17.3765
Type of gen. func.: lgdogf

$$- \frac{3 (4 x^2 - 3)}{(x - 1) (2 x + 1) (-1 + 2 x)}$$

Sequence: A036800
Score: 4.63744
Type of gen. func.: ogf

$$-(6122 f(x) + 5185)$$

$$(8 f(x) x^4 - 20 f(x) x^3 + 18 f(x) x^2 - 7 f(x) x - 4 x^2 + f(x) - 2 x)$$

Sequence: A036800
Score: 9.48254
Type of gen. func.: ogf

$$\frac{2 x (2 x + 1)}{(x - 1) (-1 + 2 x)^3}$$

Sequence: A036820
Score: 16.0293
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^4 + x^3 + 1}{x^5 - 1}$$

Sequence: A036826

Score: 11.2578
Type of gen. func.: ogf

$$\frac{x (2 x + 1)}{(x - 1) (-1 + 2 x)^{3}}$$

Sequence: A036826
Score: 21.2621
Type of gen. func.: lgdogf

$$- \frac{3 (4 x^{2} - 3)}{(x - 1) (2 x + 1) (-1 + 2 x)}$$

Sequence: A036826
Score: 3.80947
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-11 - n) a(n + 3) + (-4 - 4 n) a(n + 2)$$

$$+ (12 + 4 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 9, a(3) = 45\}$$

Sequence: A036826
Score: 5.46576
Type of gen. func.: ogf

$$-(12244 f(x) + 5185)$$

$$(8 f(x) x^{4} - 20 f(x) x^{3} + 18 f(x) x^{2} - 7 f(x) x - 2 x^{2} + f(x) - x)$$

Sequence: A036827
Score: 12.3897
Type of gen. func.: lgdogf

$$- \frac{24 x^{3} + 52 x^{2} - 46 x - 17}{(x - 1) (-1 + 2 x) (4 x^{2} + 8 x + 1)}$$

Sequence: A036827
Score: 7.74777

Type of gen. func.: ogf

$$-\frac{2 x (4 x^2 + 8 x + 1)}{(x - 1) (-1 + 2 x)^4}$$

Sequence: A036828
Score: 13.5496
Type of gen. func.: lgdogf

$$-\frac{24 x^3 + 52 x^2 - 46 x - 17}{(x - 1) (-1 + 2 x) (4 x^2 + 8 x + 1)}$$

Sequence: A036828
Score: 8.72428
Type of gen. func.: ogf

$$-\frac{x (4 x^2 + 8 x + 1)}{(x - 1) (-1 + 2 x)^4}$$

Sequence: A036829
Score: 13.9097
Type of gen. func.: revogf

$$\frac{(216 x^2 + 1 + 36 x + (1 + 8 x)^{1/2}) x}{2 (9 x + 1)^3}$$

Sequence: A036829
Score: 3.60621
Type of gen. func.: ogf

$$\{(-729 n^2 - 729 n - 162) a(n) + (216 n^2 + 378 n + 186) a(n + 1)$$

$$+ (-16 n^2 - 40 n - 24) a(n + 2), a(0) = 0, a(1) = 1, a(2) = 7\}$$

Sequence: A036829
Score: 4.38594
Type of gen. func.: ogf

$$729 f(x)^3 x^2 - 216 f(x)^3 x + 243 f(x)^2 x^2 + 16 f(x)^3 - 36 f(x)^2 x + 27 f(x) x^2 - f(x) x + x^2$$

Sequence: A036837
Score: 3.93012
Type of gen. func.: ogf

$$- \frac{x^9 - 5 x^8 + 10 x^7 - 10 x^6 + 5 x^5 - 2 x^4 + 5 x^3 - 10 x^2 + 9 x - 4}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^6}$$

Sequence: A036908
Score: 4.60264
Type of gen. func.: ogf

$$\{9 a(n) n + (3 n + 9) a(n + 1) + (-5 n - 12) a(n + 2) + (n + 3) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A036908
Score: 6.88359
Type of gen. func.: ogf

$$9 f(x)^2 x^2 - 6 f(x)^2 x - 3 f(x) x^2 + f(x)^2 + 4 f(x) x + x^2 - f(x)$$

Sequence: A036909
Score: 29.4770
Type of gen. func.: revogf

$$\frac{x (x + 1)^2}{(3 x + 2)^3}$$

Sequence: A036909
Score: 4.42755
Type of gen. func.: ogf

$$\{(-54 n^2 - 270 n - 336) a(n + 1) + (2 n^2 + 11 n + 15) a(n + 2), a(0) = 8, a(1) = 160\}$$

Sequence: A036909
Score: 4.92374
Type of gen. func.: ogf

$$27 x^3 f(x)^3 - f(x)^3 x^2 + 54 f(x)^2 x^2 - 2 f(x)^2 x + 36 f(x) x - f(x) + 8$$

Sequence: A036917
Score: 2.98478
Type of gen. func.: ogf

$$\{(-256 n^3 - 1536 n^2 - 3072 n - 2048) a(n + 1) + (32 n^3 + 240 n^2 + 608 n + 520) a(n + 2) + (-n^3 - 9 n^2 - 27 n - 27) a(n + 3), a(0) = 1, a(1) = 8, a(2) = 88\}$$

Sequence: A036918
Score: 25.0078
Type of gen. func.: lgdegf]

$$\frac{x^2 - 4 x + 5}{(x - 1) (x - 2)}$$

Sequence: A036918
Score: 3.22744
Type of gen. func.: ogf

$$\{(n + 2) a(n + 1) + (-2 n - 8) a(n + 2) + (n + 7) a(n + 3) - a(n + 4), a(0) = 0, a(1) = 2, a(2) = 10, a(3) = 48\}$$

Sequence: A036919
Score: 24.2263
Type of gen. func.: lgdegf]

$$\frac{x^2 - 4 x + 5}{(x - 1) (x - 2)}$$

Sequence: A036919
Score: 3.14552
Type of gen. func.: ogf

{(n + 2) a(n + 1) + (-2 n - 8) a(n + 2) + (n + 7) a(n + 3) - a(n + 4), a(0) = 0,

a(1) = 1, a(2) = 5, a(3) = 24}

Sequence: A036973
Score: 16.6753
Type of gen. func.: lgdogf

$$- \frac{4 (6 x^2 + 7 x + 4)}{(4 x - 1) (4 x^2 + 2 x + 1)}$$

Sequence: A036973
Score: 3.18285
Type of gen. func.: ogf

{(n + 3) a(n + 4) + (-20 - 2 n) a(n + 3) + (-32 - 4 n) a(n + 2)

+ (-24 - 16 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 16, a(3) = 158}

Sequence: A036982
Score: 6.87135
Type of gen. func.: ogf

$$- \frac{510 x^9 - 256 x^8 - 128 x^7 - 64 x^6 - 32 x^5 - 16 x^4 - 8 x^3 - 4 x^2 - 3 x - 1}{(x - 1)^2}$$

Sequence: A036988
Score: 5.69709
Type of gen. func.: ogf

$$-\frac{x^{24} + x^{20} + x^{18} + x^{16} + x^{12} + x^{10} + x^{8} + x^{4} + x^{2} + 1}{(x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1) (x^{8} + 1) (x^{16} + 1)}$$

Sequence: A036999
Score: 12.9046
Type of gen. func.: lgdogf

$$-\frac{2 x^{4} + 2 x^{3} - 2 x^{2} - 4 x + 3}{(x - 1) (x^{2} + x - 1) (2 x^{2} + x - 2)}$$

Sequence: A036999
Score: 13.4164
Type of gen. func.: ogf

$$-\frac{3 (2 x^{2} + x - 2)}{(x - 1) (x^{2} + x - 1)}$$

Sequence: A036999
Score: 7.25581
Type of gen. func.: ogf

$$-(f(x) - 18) (f(x) x^{3} - 2 f(x) x + 6 x^{2} + f(x) + 3 x - 6)$$

Sequence: A036999
Score: 7.48495
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 6, a(1) = 9, a(2) = 12\}$$

Sequence: A037078
Score: 10.4389
Type of gen. func.: lgdogf

$$-\frac{24 x^5 + 15 x^4 - 4 x^3 - 9 x^2 - 6 x - 2}{(x - 1) (2 x + 1) (x^2 + x + 1) (3 x^2 - 1)}$$

Sequence: A037078
Score: 11.9842
Type of gen. func.: ogf

$$\frac{x (2 x + 1)}{(x - 1) (x^2 + x + 1) (3 x^2 - 1)}$$

Sequence: A037079
Score: 5.57872
Type of gen. func.: lgdogf

$$-(9 x^{10} - 18 x^9 + 26 x^8 + 2 x^7 + 12 x^6 - 10 x^5 + 7 x^4 - 10 x^3 + 8 x^2 - 6 x - 2) / ((x - 1) (x^2 + x + 1) (x^2 - x + 1) (3 x^2 - 1) (x^4 - x^3 + x^2 + x + 1))$$

Sequence: A037079
Score: 6.16681
Type of gen. func.: ogf

$$\frac{x (x^4 - x^3 + x^2 + x + 1)}{(x - 1) (3 x^2 - 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A037087
Score: 7.22911
Type of gen. func.: ogf

$$\frac{x (2 x^8 + x^7 + 2 x^6 + x^5 + 2 x^4 + x^3 + 2 x^2 + x + 1)}{(x^6 + x^3 + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A037123
Score: 5.93554
Type of gen. func.: ogf

$$\frac{x\,(8x^9 - x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 1)}{(x+1)\,(x^4 + x^3 + x^2 + x + 1)\,(x^4 - x^3 + x^2 - x + 1)\,(x-1)^3}$$

Sequence: A037124
Score: 7.42288
Type of gen. func.: ogf

$$-\frac{9x^8 + 8x^7 + 7x^6 + 6x^5 + 5x^4 + 4x^3 + 3x^2 + 2x + 1}{10x^9 - 1}$$

Sequence: A037140
Score: 12.7758
Type of gen. func.: ogf

$$-\frac{3x + 5}{(x^2 + x - 1)\,(x-1)^2}$$

Sequence: A037140
Score: 13.6629
Type of gen. func.: lgdogf

$$-\frac{9x^3 + 23x^2 + 2x - 18}{(x-1)\,(3x+5)\,(x^2 + x - 1)}$$

Sequence: A037140
Score: 4.16752
Type of gen. func.: ogf

$$\{(-8n - 37)\,a(n+1) - 8\,a(n+2) + (16n + 66)\,a(n+3) + (-8n - 29)\,a(n+4),\ a(0) = 5,\ a(1) = 18,\ a(2) = 44,\ a(3) = 91\}$$

Sequence: A037140
Score: 5.73034
Type of gen. func.: ogf

$$-(1543792 f(x) - 352891) (f(x) x^4 - f(x) x^3 - 2 f(x) x^2 + 3 f(x) x - f(x) + 3 x + 5)$$

Sequence: A037141
Score: 10.3250
Type of gen. func.: lgdogf

$$-\frac{24 x^3 - 12 x^2 - 13 x + 7}{(x - 1) (8 x - 5) (x^2 + x - 1)}$$

Sequence: A037141
Score: 12.9413
Type of gen. func.: ogf

$$\frac{8 x - 5}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A037141
Score: 4.31377
Type of gen. func.: ogf

$$\{(3 n + 7) a(n + 1) + 3 a(n + 2) + (-6 n - 11) a(n + 3) + (3 n + 4) a(n + 4),$$
$$a(0) = 5, a(1) = 7, a(2) = 11, a(3) = 14\}$$

Sequence: A037141
Score: 6.02611
Type of gen. func.: ogf

$$-(663 f(x) - 18986) (f(x) x^4 - f(x) x^3 - 2 f(x) x^2 + 3 f(x) x - f(x) - 8 x + 5)$$

Sequence: A037145

Score: 13.3328
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5 + x^4 + x^3 + x^2 + x]$$

Sequence: A037145
Score: 4.97436
Type of gen. func.: ogf

$$- 1/((x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x^2 + x + 1)^2 (x + 1)^3 (x - 1)^5)$$

Sequence: A037147
Score: 9.47473
Type of gen. func.: ogf

$$-(87733 f(x) - 87731) (43866 x^3 + f(x) x - f(x) + 1)$$

Sequence: A037149
Score: 6.34194
Type of gen. func.: ogf

$$-(17755965103430895 f(x) - 17755621888057007) (53678262 x^3 + f(x) x + 690 x^2 - f(x) + 1)$$

Sequence: A037156
Score: 5.04245
Type of gen. func.: ogf

$$\{a(n + 2) - 110 a(n + 1) + 1000 a(n), a(0) = 1, a(1) = 55\}$$

Sequence: A037156
Score: 6.32799
Type of gen. func.: ogf

$$-(162 f(x) - 41) (1000 f(x) x^2 - 110 f(x) x + f(x) + 55 x - 1)$$

Sequence: A037156
Score: 8.49954
Type of gen. func.: lgdogf

$$-\frac{5\,(11000\,x^2-400\,x+11)}{(100\,x-1)\,(10\,x-1)\,(55\,x-1)}$$

Sequence: A037156
Score: 8.70071
Type of gen. func.: ogf

$$-\frac{55\,x-1}{(100\,x-1)\,(10\,x-1)}$$

Sequence: A037157
Score: 11.1464
Type of gen. func.: ogf

$$-\frac{5\,x+8}{(x^2+x-1)\,(x-1)^2}$$

Sequence: A037157
Score: 13.8790
Type of gen. func.: lgdogf

$$-\frac{15\,x^3+37\,x^2+3\,x-29}{(5\,x+8)\,(x-1)\,(x^2+x-1)}$$

Sequence: A037157
Score: 3.54130
Type of gen. func.: ogf

$\{(13\,n+60)\,a(n+1)+13\,a(n+2)+(-26\,n-107)\,a(n+3)$

$+(13\,n+47)\,a(n+4),\ a(0)=8,\ a(1)=29,\ a(2)=71,\ a(3)=147\}$

Sequence: A037157
Score: 5.0741
Type of gen. func.: ogf

$$(28188654 f(x) - 8553605)$$

$$(f(x) x^4 - f(x) x^3 - 2 f(x) x^2 + 3 f(x) x - f(x) + 5 x + 8)$$

Sequence: A037158
Score: 12.1792
Type of gen. func.: ogf

$$\frac{21 x - 13}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A037158
Score: 15.0506
Type of gen. func.: lgdogf

$$- \frac{63 x^3 - 31 x^2 - 34 x + 18}{(x - 1) (21 x - 13) (x^2 + x - 1)}$$

Sequence: A037158
Score: 4.08131
Type of gen. func.: ogf

$$\{(8 n + 19) a(n + 1) + 8 a(n + 2) + (-16 n - 30) a(n + 3) + (8 n + 11) a(n + 4)$$

$$, a(0) = 13, a(1) = 18, a(2) = 28, a(3) = 35\}$$

Sequence: A037158
Score: 5.52005
Type of gen. func.: ogf

$$-(225392 f(x) - 14884237)$$

$$(f(x) x^4 - f(x) x^3 - 2 f(x) x^2 + 3 f(x) x - f(x) - 21 x + 13)$$

Sequence: A037182
Score: 10.2598
Type of gen. func.: ogf

$$\frac{45 x}{(100 x - 1) (10 x - 1)}$$

Sequence: A037182
Score: 10.3209
Type of gen. func.: revogf

$$- \frac{-9 - 22 x + 3 (36 x^2 + 44 x + 9)^{1/2}}{400 x}$$

Sequence: A037182
Score: 12.7493
Type of gen. func.: lgdogf

$$- \frac{10 (-11 + 200 x)}{(10 x - 1) (100 x - 1)}$$

Sequence: A037182
Score: 5.07093
Type of gen. func.: ogf

$$\{a(n + 2) - 110 a(n + 1) + 1000 a(n), a(0) = 0, a(1) = 45\}$$

Sequence: A037182
Score: 9.49901
Type of gen. func.: ogf

$$-1000 f(x) x^2 + 110 f(x) x - f(x) + 45 x$$

Sequence: A037184
Score: 3.01336
Type of gen. func.: ogf

$$\{(-n^2 - 11 n - 30) a(n + 1) + (-n^2 - 10 n - 24) a(n + 2) + (n + 3) a(n + 3),$$

a(0) = 6, a(1) = 48, a(2) = 420}

Sequence: A037206
Score: 3.22638
Type of gen. func.: ogf

$$\frac{x (x^4 - 8 x - 1)}{(x - 1)^3 (x + 1)^3}$$

Sequence: A037220
Score: 3.87484
Type of gen. func.: ogf

$$x (98010 x^9 + 9900990 x^8 - 10001000 x^7 - 1020810091 x^6 - 100010 x^5 - 10209100 x^4 - 101082 x^3 - 20 x^2 - 1001 x - 10)/(x - 1)$$

Sequence: A037223
Score: 4.85750
Type of gen. func.: ogf

$\{(-n^2 - 4 n - 4) a(n + 1) + a(n + 2) + (n + 1) a(n + 3), a(0) = 1, a(1) = 1,$

$a(2) = 2\}$

Sequence: A037235
Score: 12.7498
Type of gen. func.: ogf

$$\frac{x (3 x^2 + 1)}{(x - 1)^4}$$

Sequence: A037235
Score: 25.5433
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^2+3\,x+2)}{(x-1)\,(3\,x^2+1)}$$

Sequence: A037235
Score: 4.22826
Type of gen. func.: ogf

$$\{(n+3)\,a(n+4)+(-6-n)\,a(n+3)+(-3+3\,n)\,a(n+2)$$

$$+(-6-3\,n)\,a(n+1),\ a(0)=0,\ a(1)=1,\ a(2)=4,\ a(3)=13\}$$

Sequence: A037235
Score: 6.47451
Type of gen. func.: ogf

$$(212\,f(x)+25)\,(f(x)\,x^4-4\,f(x)\,x^3+6\,f(x)\,x^2-3\,x^3-4\,f(x)\,x+f(x)-x)$$

Sequence: A037236
Score: 20.9063
Type of gen. func.: lgdogf

$$-\frac{4\,(x^2+x+3)}{(x-1)\,(2\,x^2+3)}$$

Sequence: A037236
Score: 4.54152
Type of gen. func.: ogf

$$(8875\,f(x)+15239)$$

$$(f(x)\,x^4-4\,f(x)\,x^3+6\,f(x)\,x^2-4\,f(x)\,x-2\,x^2+f(x)-3)$$

Sequence: A037236
Score: 9.22278
Type of gen. func.: ogf

$$2\,x^2+3$$

$$\frac{}{(x-1)^4}$$

Sequence: A037237
Score: 22.2432
Type of gen. func.: lgdogf

$$-\frac{2\,(x^2+x+6)}{(x-1)\,(x^2+3)}$$

Sequence: A037237
Score: 4.52236
Type of gen. func.: ogf

$$(2488\,f(x)+4339)\,(f(x)\,x^4-4\,f(x)\,x^3+6\,f(x)\,x^2-4\,f(x)\,x-x^2+f(x)-3)$$

Sequence: A037237
Score: 9.11428
Type of gen. func.: ogf

$$\frac{x^2+3}{(x-1)^4}$$

Sequence: A037240
Score: 5.09662
Type of gen. func.: ogf

$$\frac{x^6+x^5+5\,x^4+3\,x^3+x^2+1}{(x^2+x+1)^2\,(x+1)^3\,(x-1)^6}$$

Sequence: A037240
Score: 5.17709
Type of gen. func.: lgdogf

```
         9         8         7         6         5         4         3         2
```

```
     7 x  + 16 x  + 62 x  + 95 x  + 96 x  + 66 x  + 53 x  + 26 x  + 10 x + 1
   - ------------------------------------------------------------------------
                            2            6    5      4      3    2
          (x - 1) (x + 1) (x  + x + 1) (x  + x  + 5 x  + 3 x  + x  + 1)
```

Sequence: A037241
Score: 3.95967
Type of gen. func.: ogf

```
                8      7       6       5       4      3      2
             4 x  + 8 x  + 15 x  + 13 x  + 15 x  + 7 x  + 3 x  + 1
             -----------------------------------------------------
                          2         2        3        6
                        (x  + x + 1)  (x + 1)  (x - 1)
```

Sequence: A037242
Score: 4.07214
Type of gen. func.: ogf

```
                8    7      6      5      4      3      2
               x  + x  + 2 x  + 4 x  + 8 x  + 4 x  + 2 x  + x + 1
               --------------------------------------------------
                          2         2        2        4
                        (x  + x + 1)  (x + 1)  (x - 1)
```

Sequence: A037250
Score: 11.7414
Type of gen. func.: lgdogf

```
                                3       2
                            3 (x  + 13 x  + 31 x + 15)
                        - -------------------------------
                                    3      2
                          (x - 1) (x  + 9 x  + 15 x + 5)
```

Sequence: A037250
Score: 3.60873
Type of gen. func.: ogf

```
   2                   2                          2
{(n  + n) a(n) + (-2 n  - 4 n - 30) a(n + 1) + (n  + 3 n) a(n + 2), a(0) = 0,

    a(1) = 0, a(2) = 20}
```

Sequence: A037250
Score: 5.32879
Type of gen. func.: ogf

$$\frac{4 x^2 (x^3 + 9 x^2 + 15 x + 5)}{(x - 1)^6}$$

Sequence: A037251
Score: 3.74871
Type of gen. func.: ogf

$$\frac{24 x^2 (7 x^4 + 61 x^3 + 100 x^2 + 39 x + 3)}{(x - 1)^8}$$

Sequence: A037251
Score: 7.46265
Type of gen. func.: lgdogf

$$- \frac{28 x^4 + 333 x^3 + 783 x^2 + 473 x + 63}{(x - 1) (7 x^4 + 61 x^3 + 100 x^2 + 39 x + 3)}$$

Sequence: A037255
Score: 21.3042
Type of gen. func.: lgdogf

$$- \frac{2 x^3 + 9 x^2 + 4}{(x - 1) (x^3 + 2 x^2 - x + 1)}$$

Sequence: A037255
Score: 4.48469
Type of gen. func.: ogf

$$\{(-22 n^2 - 108 n - 128) a(n + 1) + (31 n^2 + 49 n - 118) a(n + 2)$$

$$+ (-9 n^2 + 7 n + 50) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 4\}$$

Sequence: A037255
Score: 9.01867
Type of gen. func.: ogf

$$-\frac{x\,(x^3+2\,x^2-x+1)}{(x-1)^5}$$

Sequence: A037256
Score: 3.61684
Type of gen. func.: ogf

$$\{(2\,n^2+10\,n+12)\,a(n+1)+(n^2+3\,n)\,a(n+2)+(-2\,n-6)\,a(n+3)+a(n+4),\ a(0)=0,\ a(1)=1,\ a(2)=2,\ a(3)=10\}$$

Sequence: A037269
Score: 4.21119
Type of gen. func.: ogf

$$(x^8-x^6+x^4-x^2+1)\,(x^{16}+x^{14}-x^{10}-x^8-x^6+x^2+1)\Big/\Big((x^2+1)\,(x^4+x^3+x^2+x+1)\,(x^2+x+1)^2\,(x^2-x+1)^2\,(x+1)^3\,(x-1)^4\Big)$$

Sequence: A037270
Score: 12.8965
Type of gen. func.: lgdogf

$$-\frac{2\,(x^3+9\,x^2+15\,x+5)}{(x-1)\,(x+1)\,(x^2+4\,x+1)}$$

Sequence: A037270
Score: 3.45407
Type of gen. func.: ogf

$$\{(n^2+2\,n)\,a(n+1)+(-2\,n^2-8\,n-36)\,a(n+2)+(n^2+6\,n+8)\,a(n+3),\ a(0)=0,\ a(1)=1,\ a(2)=10\}$$

Sequence: A037270
Score: 6.49062
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^{2} + 4 x + 1)}{(x - 1)^{5}}$$

Sequence: A037344
Score: 6.35280
Type of gen. func.: ogf

$$-\frac{10 x^{16} - 11 x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 2}{(x + 1) (x^{2} + 1) (x^{4} + 1) (x - 1)^{2}}$$

Sequence: A037374
Score: 4.28683
Type of gen. func.: ogf

$$- (19 x^{20} - 16 x^{19} + 17 x^{18} - 17 x^{17} + 17 x^{16} - 17 x^{15} + 2 x^{14} - x^{13} - x^{11} - 3 x^{10} + 17 x^{4} - 16 x^{3} + 2 x^{2} - 3 x - 1) \Big/ (x - 1)^{2}$$

Sequence: A037451
Score: 14.4017
Type of gen. func.: lgdogf

$$-\frac{2 x^{5} + 3 x^{4} + 4 x^{3} + 12 x^{2} - 14 x - 3}{(x^{2} + 1) (x^{2} + 4 x - 1) (x^{2} - x - 1)}$$

Sequence: A037451
Score: 14.5571
Type of gen. func.: ogf

2

$$\frac{x (x + 1)}{(x^2 + 4 x - 1) (x^2 - x - 1)}$$

Sequence: A037451
Score: 7.16826
Type of gen. func.: ogf

$$-(371 f(x) + 83) (f(x) x^4 + 3 f(x) x^3 - 6 f(x) x^2 - x^3 - 3 f(x) x + f(x) - x)$$

Sequence: A037459
Score: 4.43051
Type of gen. func.: ogf

$$(7 x^{15} + x^{14} + x^{13} + x^{12} + 2 x^{11} + x^{10} + x^9 + x^8 + 2 x^7 + x^6 + x^5 + x^4 + 2 x^3 + x^2 + x + 1) / ((x + 1) (x^2 + 1) (x^4 + 1) (x^8 + 1) (x - 1)^2)$$

Sequence: A037460
Score: 4.58291
Type of gen. func.: ogf

$$x (15 x^{15} + x^{14} + x^{13} + x^{12} + 3 x^{11} + x^{10} + x^9 + x^8 + 3 x^7 + x^6 + x^5 + x^4 + 3 x^3 + x^2 + x + 1) / ((x + 1) (x^2 + 1) (x^4 + 1) (x^8 + 1) (x - 1)^2)$$

Sequence: A037461
Score: 4.23764
Type of gen. func.: ogf

$$(25 x^{15} + x^{14} + x^{13} + x^{12} + 4 x^{11} + x^{10} + x^9 + x^8 + 4 x^7 + x^6 + x^5 + x^4 + 4 x^3 + x^2 + x + 1) / ((x + 1) (x^2 + 1) (x^4 + 1) (x^8 + 1) (x - 1)^2)$$

Sequence: A037462
Score: 4.55591

Type of gen. func.: ogf

$$x\left(37x^{15}+x^{14}+x^{13}+x^{12}+5x^{11}+x^{10}+x^{9}+x^{8}+5x^{7}+x^{6}+x^{5}+x^{4}+5x^{3}+x^{2}+x+1\right) \Big/ \left((x+1)(x^{2}+1)(x^{4}+1)(x^{8}+1)(x-1)^{2}\right)$$

Sequence: A037463
Score: 4.51737
Type of gen. func.: ogf

$$x\left(51x^{15}+x^{14}+x^{13}+x^{12}+6x^{11}+x^{10}+x^{9}+x^{8}+6x^{7}+x^{6}+x^{5}+x^{4}+6x^{3}+x^{2}+x+1\right) \Big/ \left((x+1)(x^{2}+1)(x^{4}+1)(x^{8}+1)(x-1)^{2}\right)$$

Sequence: A037479
Score: 6.93033
Type of gen. func.: ogf

$$\frac{2x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1}{(x^{6}+x^{3}+1)(x^{2}+x+1)(x-1)^{2}}$$

Sequence: A037480
Score: 11.5394
Type of gen. func.: ogf

$$\frac{2x+1}{(x-1)(3x-1)(x+1)}$$

Sequence: A037480
Score: 11.7394
Type of gen. func.: lgdogf

$$-\frac{12x^{3}+7x^{2}-2x-5}{(x-1)(3x-1)(2x+1)(x+1)}$$

Sequence: A037480
Score: 5.41227
Type of gen. func.: ogf

$$\{a(n+3) - 3 a(n+2) - a(n+1) + 3 a(n), a(0) = 1, a(1) = 5, a(2) = 16\}$$

Sequence: A037480
Score: 5.55988
Type of gen. func.: ogf

$$-(197 f(x) - 21) (3 f(x) x^3 - f(x) x^2 - 3 f(x) x + f(x) - 2 x - 1)$$

Sequence: A037481
Score: 10.9838
Type of gen. func.: ogf

$$\frac{x (2 x + 1)}{(x - 1) (4 x - 1) (x + 1)}$$

Sequence: A037481
Score: 12.5825
Type of gen. func.: lgdogf

$$-\frac{2 (8 x^3 + 5 x^2 - x - 3)}{(x - 1) (4 x - 1) (2 x + 1) (x + 1)}$$

Sequence: A037481
Score: 5.44414
Type of gen. func.: ogf

$$-(423 f(x) - 154) (4 f(x) x^3 - f(x) x^2 - 4 f(x) x - 2 x^2 + f(x) - x)$$

Sequence: A037481
Score: 5.64032
Type of gen. func.: ogf

$$\{-a(n+3) + 4 a(n+2) + a(n+1) - 4 a(n), a(0) = 0, a(1) = 1, a(2) = 6\}$$

Sequence: A037482
Score: 11.7226
Type of gen. func.: ogf

$$\frac{2 x + 1}{(x - 1) (5 x - 1) (x + 1)}$$

Sequence: A037482
Score: 11.9399
Type of gen. func.: lgdogf

$$- \frac{20 x^3 + 13 x^2 - 2 x - 7}{(x - 1) (2 x + 1) (5 x - 1) (x + 1)}$$

Sequence: A037482
Score: 5.49822
Type of gen. func.: ogf

{a(n + 3) - 5 a(n + 2) - a(n + 1) + 5 a(n), a(0) = 1, a(1) = 7, a(2) = 36}

Sequence: A037482
Score: 5.49823
Type of gen. func.: ogf

$$-(19141 f(x) + 395) (5 f(x) x^3 - f(x) x^2 - 5 f(x) x + f(x) - 2 x - 1)$$

Sequence: A037483
Score: 11.5462
Type of gen. func.: ogf

$$\frac{2 x + 1}{(x - 1) (6 x - 1) (x + 1)}$$

Sequence: A037483
Score: 11.9954
Type of gen. func.: lgdogf

$$-\frac{2\,(12\,x^3 + 8\,x^2 - x - 4)}{(x - 1)\,(6\,x - 1)\,(2\,x + 1)\,(x + 1)}$$

Sequence: A037483
Score: 5.41548
Type of gen. func.: ogf

$$\{a(n + 3) - 6\,a(n + 2) - a(n + 1) + 6\,a(n), a(0) = 1, a(1) = 8, a(2) = 49\}$$

Sequence: A037483
Score: 5.46383
Type of gen. func.: ogf

$$-(5003\,f(x) + 156)\,(6\,f(x)\,x^3 - f(x)\,x^2 - 6\,f(x)\,x + f(x) - 2\,x - 1)$$

Sequence: A037484
Score: 10.0457
Type of gen. func.: lgdogf

$$-\frac{28\,x^3 + 19\,x^2 - 2\,x - 9}{(x - 1)\,(2\,x + 1)\,(7\,x - 1)\,(x + 1)}$$

Sequence: A037484
Score: 4.59746
Type of gen. func.: ogf

$$-(93189\,f(x) + 3227)\,(7\,f(x)\,x^3 - f(x)\,x^2 - 7\,f(x)\,x + f(x) - 2\,x - 1)$$

Sequence: A037484
Score: 4.63814
Type of gen. func.: ogf

$$\{a(n + 3) - 7\,a(n + 2) - a(n + 1) + 7\,a(n), a(0) = 1, a(1) = 9, a(2) = 64\}$$

Sequence: A037484
Score: 9.88887

Type of gen. func.: ogf

$$\frac{2 x + 1}{(x - 1) (7 x - 1) (x + 1)}$$

Sequence: A037485
Score: 4.27272
Type of gen. func.: ogf

$$-(175543 f(x) + 6176) (8 f(x) x^3 - f(x) x^2 - 8 f(x) x + f(x) - 2 x - 1)$$

Sequence: A037485
Score: 4.31020
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) - a(n + 1) + 8 a(n), a(0) = 1, a(1) = 10, a(2) = 81\}$$

Sequence: A037485
Score: 9.27100
Type of gen. func.: ogf

$$\frac{2 x + 1}{(x - 1) (8 x - 1) (x + 1)}$$

Sequence: A037485
Score: 9.40787
Type of gen. func.: lgdogf

$$- \frac{2 (16 x^3 + 11 x^2 - x - 5)}{(x - 1) (2 x + 1) (8 x - 1) (x + 1)}$$

Sequence: A037486
Score: 3.91722
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) - a(n + 1) + 9 a(n), a(0) = 1, a(1) = 11, a(2) = 100\}$$

Sequence: A037486
Score: 3.95159
Type of gen. func.: ogf

$$-(34181 f(x) + 1179) (9 f(x) x^3 - f(x) x^2 - 9 f(x) x + f(x) - 2 x - 1)$$

Sequence: A037486
Score: 8.28580
Type of gen. func.: lgdogf

$$-\frac{36 x^3 + 25 x^2 - 2 x - 11}{(x - 1) (9 x - 1) (2 x + 1) (x + 1)}$$

Sequence: A037486
Score: 8.49962
Type of gen. func.: ogf

$$\frac{2 x + 1}{(x - 1) (9 x - 1) (x + 1)}$$

Sequence: A037487
Score: 12.6910
Type of gen. func.: ogf

$$\frac{2 x + 1}{(x - 1) (10 x - 1) (x + 1)}$$

Sequence: A037487
Score: 5.96585
Type of gen. func.: ogf

$\{a(n + 3) - 10 a(n + 2) - a(n + 1) + 10 a(n), a(0) = 1, a(1) = 12, a(2) = 121\}$

Sequence: A037487
Score: 6.01729
Type of gen. func.: ogf

$$-(46281 f(x) + 1540) (10 f(x) x^3 - f(x) x^2 - 10 f(x) x + f(x) - 2 x - 1)$$

Sequence: A037487
Score: 7.89927
Type of gen. func.: lgdogf

$$-\frac{2\left(20x^{3}+14x^{2}-x-6\right)}{(x-1)(2x+1)(10x-1)(x+1)}$$

Sequence: A037488
Score: 11.7823
Type of gen. func.: ogf

$$\frac{x+2}{(x-1)(3x-1)(x+1)}$$

Sequence: A037488
Score: 12.7414
Type of gen. func.: lgdogf

$$-\frac{6x^{3}+17x^{2}-4x-7}{(x-1)(3x-1)(x+2)(x+1)}$$

Sequence: A037488
Score: 5.52622
Type of gen. func.: ogf

$$\{-a(n+3)+3a(n+2)+a(n+1)-3a(n),\ a(0)=2,\ a(1)=7,\ a(2)=23\}$$

Sequence: A037488
Score: 5.83609
Type of gen. func.: ogf

$$(193 f(x)-282)\left(3 f(x) x^{3}-f(x) x^{2}-3 f(x) x+f(x)-x-2\right)$$

Sequence: A037489
Score: 11.7729

Type of gen. func.: ogf

$$\frac{x + 2}{(x - 1) (4 x - 1) (x + 1)}$$

Sequence: A037489
Score: 12.4780
Type of gen. func.: lgdogf

$$-\frac{8 x^{3} + 23 x^{2} - 4 x - 9}{(x - 1) (4 x - 1) (x + 2) (x + 1)}$$

Sequence: A037489
Score: 5.52180
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) + a(n + 1) - 4 a(n), a(0) = 2, a(1) = 9, a(2) = 38\}$$

Sequence: A037489
Score: 5.62129
Type of gen. func.: ogf

$$(15207 f(x) - 15272) (4 f(x) x^{3} - f(x) x^{2} - 4 f(x) x + f(x) - x - 2)$$

Sequence: A037490
Score: 12.0142
Type of gen. func.: ogf

$$\frac{x + 2}{(x - 1) (5 x - 1) (x + 1)}$$

Sequence: A037490
Score: 12.4878
Type of gen. func.: lgdogf

$$-\frac{10 x^{3} + 29 x^{2} - 4 x - 11}{(x - 1) (5 x - 1) (x + 2) (x + 1)}$$

Sequence: A037490
Score: 5.58556
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) + a(n + 1) - 5 a(n), a(0) = 2, a(1) = 11, a(2) = 57\}$$

Sequence: A037490
Score: 5.73653
Type of gen. func.: ogf

$$(23633 f(x) - 18220) (5 f(x) x^3 - f(x) x^2 - 5 f(x) x + f(x) - x - 2)$$

Sequence: A037491
Score: 10.6829
Type of gen. func.: ogf

$$\frac{x + 2}{(x - 1) (6 x - 1) (x + 1)}$$

Sequence: A037491
Score: 4.96661
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) + a(n + 1) - 6 a(n), a(0) = 2, a(1) = 13, a(2) = 80\}$$

Sequence: A037491
Score: 5.14721
Type of gen. func.: ogf

$$(13211 f(x) - 8292) (6 f(x) x^3 - f(x) x^2 - 6 f(x) x + f(x) - x - 2)$$

Sequence: A037492
Score: 10.1667
Type of gen. func.: ogf

$$\frac{x + 2}{(x - 1) (7 x - 1) (x + 1)}$$

Sequence: A037492
Score: 10.5411
Type of gen. func.: lgdogf

$$-\frac{14 x^3 + 41 x^2 - 4 x - 15}{(x - 1) (7 x - 1) (x + 2) (x + 1)}$$

Sequence: A037492
Score: 4.68550
Type of gen. func.: ogf

{-a(n + 3) + 7 a(n + 2) + a(n + 1) - 7 a(n), a(0) = 2, a(1) = 15, a(2) = 107}

Sequence: A037492
Score: 4.811
Type of gen. func.: ogf

$$(129429 f(x) - 68614) (7 f(x) x^3 - f(x) x^2 - 7 f(x) x + f(x) - x - 2)$$

Sequence: A037493
Score: 4.37325
Type of gen. func.: ogf

{-a(n + 3) + 8 a(n + 2) + a(n + 1) - 8 a(n), a(0) = 2, a(1) = 17, a(2) = 138}

Sequence: A037493
Score: 4.45066
Type of gen. func.: ogf

$$(507319 f(x) - 232976) (8 f(x) x^3 - f(x) x^2 - 8 f(x) x + f(x) - x - 2)$$

Sequence: A037493
Score: 9.48913
Type of gen. func.: ogf

x + 2

$$\overline{(x - 1) (8 x - 1) (x + 1)}$$

Sequence: A037493
Score: 9.82726
Type of gen. func.: lgdogf

$$-\frac{16 x^3 + 47 x^2 - 4 x - 17}{(x - 1) (8 x - 1) (x + 2) (x + 1)}$$

Sequence: A037494
Score: 4.04040
Type of gen. func.: ogf

$$\{-a(n + 3) + 9 a(n + 2) + a(n + 1) - 9 a(n), a(0) = 2, a(1) = 19, a(2) = 173\}$$

Sequence: A037494
Score: 4.18601
Type of gen. func.: ogf

$$(50989 f(x) - 20664) (9 f(x) x^3 - f(x) x^2 - 9 f(x) x + f(x) - x - 2)$$

Sequence: A037494
Score: 8.76691
Type of gen. func.: ogf

$$\frac{x + 2}{(x - 1) (9 x - 1) (x + 1)}$$

Sequence: A037494
Score: 8.88850
Type of gen. func.: lgdogf

$$-\frac{18 x^3 + 53 x^2 - 4 x - 19}{(x - 1) (9 x - 1) (x + 2) (x + 1)}$$

Sequence: A037495
Score: 3.67309
Type of gen. func.: ogf

$\{-a(n + 3) + 10 a(n + 2) + a(n + 1) - 10 a(n), a(0) = 2, a(1) = 21, a(2) = 212\}$

Sequence: A037495
Score: 3.70475
Type of gen. func.: ogf

$$(1559091 f(x) - 565580) (10 f(x) x^3 - f(x) x^2 - 10 f(x) x + f(x) - x - 2)$$

Sequence: A037495
Score: 7.81365
Type of gen. func.: ogf

$$\frac{x + 2}{(x - 1) (10 x - 1) (x + 1)}$$

Sequence: A037495
Score: 8.05117
Type of gen. func.: lgdogf

$$-\frac{20 x^3 + 59 x^2 - 4 x - 21}{(x - 1) (10 x - 1) (x + 2) (x + 1)}$$

Sequence: A037496
Score: 11.4891
Type of gen. func.: ogf

$$\frac{2 x^2 + 1}{(3 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037496
Score: 5.8998
Type of gen. func.: ogf

4 3 2

$$(349 f(x) + 398) (3 f(x) x - f(x) x - 3 f(x) x - 2 x + f(x) - 1)$$

Sequence: A037496
Score: 9.30211
Type of gen. func.: lgdogf

$$-\frac{12 x^5 - 2 x^4 + 12 x^3 + 3 x^2 - 4 x - 3}{(x - 1) (3 x - 1) (x^2 + x + 1) (2 x^2 + 1)}$$

Sequence: A037497
Score: 11.5413
Type of gen. func.: ogf

$$\frac{2 x^2 + 1}{(4 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037497
Score: 5.62271
Type of gen. func.: ogf

$$(189585 f(x) + 119312) (4 f(x) x^4 - f(x) x^3 - 4 f(x) x - 2 x^2 + f(x) - 1)$$

Sequence: A037497
Score: 9.21634
Type of gen. func.: lgdogf

$$-\frac{16 x^5 - 2 x^4 + 16 x^3 + 5 x^2 - 4 x - 4}{(x - 1) (4 x - 1) (x^2 + x + 1) (2 x^2 + 1)}$$

Sequence: A037498
Score: 10.7915
Type of gen. func.: ogf

$$\frac{2 x^2 + 1}{\quad}$$

$$(x - 1) (5 x - 1) (x^2 + x + 1)$$

Sequence: A037498
Score: 5.39577
Type of gen. func.: ogf

$$(10751 f(x) + 4270) (5 f(x) x^4 - f(x) x^3 - 5 f(x) x - 2 x^2 + f(x) - 1)$$

Sequence: A037498
Score: 8.73555
Type of gen. func.: lgdogf

$$- \frac{20 x^5 - 2 x^4 + 20 x^3 + 7 x^2 - 4 x - 5}{(x - 1) (5 x - 1) (x^2 + x + 1) (2 x^2 + 1)}$$

Sequence: A037499
Score: 10.6291
Type of gen. func.: ogf

$$\frac{2 x^2 + 1}{(x - 1) (6 x - 1) (x^2 + x + 1)}$$

Sequence: A037499
Score: 5.26835
Type of gen. func.: ogf

$$(38041 f(x) + 10424) (6 f(x) x^4 - f(x) x^3 - 6 f(x) x - 2 x^2 + f(x) - 1)$$

Sequence: A037499
Score: 8.60408
Type of gen. func.: lgdogf

$$- \frac{24 x^5 - 2 x^4 + 24 x^3 + 9 x^2 - 4 x - 6}{(x - 1) (6 x - 1) (x^2 + x + 1) (2 x^2 + 1)}$$

Sequence: A037500
Score: 4.37954
Type of gen. func.: ogf

$$(9038817 f(x) + 1818110) (7 f(x) x^4 - f(x) x^3 - 7 f(x) x - 2 x^2 + f(x) - 1)$$

Sequence: A037500
Score: 7.27697
Type of gen. func.: lgdogf

$$- \frac{28 x^5 - 2 x^4 + 28 x^3 + 11 x^2 - 4 x - 7}{(x - 1) (7 x - 1) (x^2 + x + 1) (2 x^2 + 1)}$$

Sequence: A037500
Score: 9.14326
Type of gen. func.: ogf

$$\frac{2 x^2 + 1}{(x - 1) (7 x - 1) (x^2 + x + 1)}$$

Sequence: A037501
Score: 4.11511
Type of gen. func.: ogf

$$(2560521 f(x) + 395552) (8 f(x) x^4 - f(x) x^3 - 8 f(x) x - 2 x^2 + f(x) - 1)$$

Sequence: A037501
Score: 6.77172
Type of gen. func.: lgdogf

$$- \frac{32 x^5 - 2 x^4 + 32 x^3 + 13 x^2 - 4 x - 8}{(x - 1) (8 x - 1) (x^2 + x + 1) (2 x^2 + 1)}$$

Sequence: A037501
Score: 8.51898
Type of gen. func.: ogf

$$\frac{2 x^2 + 1}{(x - 1) (8 x - 1) (x^2 + x + 1)}$$

Sequence: A037502
Score: 12.5520
Type of gen. func.: ogf

$$\frac{2 x^2 + 1}{(x - 1) (9 x - 1) (x^2 + x + 1)}$$

Sequence: A037502
Score: 6.16778
Type of gen. func.: ogf

$$(650755 f(x) + 79902) (9 f(x) x^4 - f(x) x^3 - 9 f(x) x - 2 x^2 + f(x) - 1)$$

Sequence: A037502
Score: 9.90541
Type of gen. func.: lgdogf

$$- \frac{36 x^5 - 2 x^4 + 36 x^3 + 15 x^2 - 4 x - 9}{(x - 1) (9 x - 1) (x^2 + x + 1) (2 x^2 + 1)}$$

Sequence: A037503
Score: 3.46574
Type of gen. func.: ogf

$$(110601081 f(x) + 11087240)$$

$$(10 f(x) x^4 - f(x) x^3 - 10 f(x) x - 2 x^2 + f(x) - 1)$$

Sequence: A037503
Score: 5.73508
Type of gen. func.: lgdogf

$$-\frac{40 x^5 - 2 x^4 + 40 x^3 + 17 x^2 - 4 x - 10}{(10 x - 1) (x - 1) (x^2 + x + 1) (2 x^2 + 1)}$$

Sequence: A037503
Score: 7.28392
Type of gen. func.: ogf

$$\frac{2 x^2 + 1}{(10 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037504
Score: 10.5037
Type of gen. func.: lgdogf

$$-\frac{18 x^4 + 8 x^3 - 3 x^2 - 5}{(2 x + 1) (3 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037504
Score: 11.5394
Type of gen. func.: ogf

$$\frac{2 x + 1}{(3 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037504
Score: 5.50979
Type of gen. func.: ogf

$$-(649 f(x) + 252) (3 f(x) x^4 - f(x) x^3 - 3 f(x) x + f(x) - 2 x - 1)$$

Sequence: A037505
Score: 11.6907
Type of gen. func.: lgdogf

$$-\frac{3 (8 x^4 + 4 x^3 - x^2 - 2)}{(x - 1) (2 x + 1) (4 x - 1) (x^2 + x + 1)}$$

Sequence: A037505
Score: 12.5923
Type of gen. func.: ogf

$$\frac{2 x + 1}{(4 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037505
Score: 5.75337
Type of gen. func.: ogf

$$-(337041 f(x) + 69472) (4 f(x) x^4 - f(x) x^3 - 4 f(x) x + f(x) - 2 x - 1)$$

Sequence: A037506
Score: 10.6831
Type of gen. func.: lgdogf

$$-\frac{30 x^4 + 16 x^3 - 3 x^2 - 7}{(5 x - 1) (2 x + 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037506
Score: 11.7226
Type of gen. func.: ogf

$$\frac{2 x + 1}{(x - 1) (5 x - 1) (x^2 + x + 1)}$$

Sequence: A037506
Score: 5.26525
Type of gen. func.: ogf

$$-(1463331 f(x) + 208900) (5 f(x) x^4 - f(x) x^3 - 5 f(x) x + f(x) - 2 x - 1)$$

Sequence: A037507
Score: 10.5223
Type of gen. func.: lgdogf

$$-\frac{36 x^4 + 20 x^3 - 3 x^2 - 8}{(2 x + 1) (6 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037507
Score: 11.5462
Type of gen. func.: ogf

$$\frac{2 x + 1}{(x - 1) (6 x - 1) (x^2 + x + 1)}$$

Sequence: A037507
Score: 5.36797
Type of gen. func.: ogf

$$-(60697 f(x) + 6840) (6 f(x) x^4 - f(x) x^3 - 6 f(x) x + f(x) - 2 x - 1)$$

Sequence: A037508
Score: 4.36758
Type of gen. func.: ogf

$$-(13792797 f(x) + 1311436) (7 f(x) x^4 - f(x) x^3 - 7 f(x) x + f(x) - 2 x - 1)$$

Sequence: A037508
Score: 9.14880
Type of gen. func.: lgdogf

$$-\frac{3\,(14 x^4 + 8 x^3 - x^2 - 3)}{(7 x - 1)(2 x + 1)(x - 1)(x^2 + x + 1)}$$

Sequence: A037508
Score: 9.88887
Type of gen. func.: ogf

$$\frac{2 x + 1}{(x - 1)(7 x - 1)(x^2 + x + 1)}$$

Sequence: A037509
Score: 4.09469
Type of gen. func.: ogf

$$-(33858129 f(x) + 2818432)(8 f(x) x^4 - f(x) x^3 - 8 f(x) x + f(x) - 2 x - 1)$$

Sequence: A037509
Score: 8.27244
Type of gen. func.: lgdogf

$$-\frac{48 x^4 + 28 x^3 - 3 x^2 - 10}{(8 x - 1)(2 x + 1)(x - 1)(x^2 + x + 1)}$$

Sequence: A037509
Score: 9.27100
Type of gen. func.: ogf

$$\frac{2 x + 1}{(x - 1)(8 x - 1)(x^2 + x + 1)}$$

Sequence: A037510
Score: 3.85903
Type of gen. func.: ogf

$$-(925831 f(x) + 69012) (9 f(x) x^4 - f(x) x^3 - 9 f(x) x + f(x) - 2 x - 1)$$

Sequence: A037510
Score: 7.39516
Type of gen. func.: lgdogf

$$-\frac{54 x^4 + 32 x^3 - 3 x^2 - 11}{(x - 1) (2 x + 1) (9 x - 1) (x^2 + x + 1)}$$

Sequence: A037510
Score: 8.44617
Type of gen. func.: ogf

$$\frac{2 x + 1}{(x - 1) (9 x - 1) (x^2 + x + 1)}$$

Sequence: A037511
Score: 3.46574
Type of gen. func.: ogf

$$-(153081081 f(x) + 10372600)$$

$$(10 f(x) x^4 - f(x) x^3 - 10 f(x) x + f(x) - 2 x - 1)$$

Sequence: A037511
Score: 7.09595
Type of gen. func.: lgdogf

$$-\frac{3 (20 x^4 + 12 x^3 - x^2 - 4)}{(10 x - 1) (2 x + 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037511
Score: 7.81365
Type of gen. func.: ogf

$$2 x + 1$$

$$\overline{(10 x - 1) (x - 1) (x^{2} + x + 1)}$$

Sequence: A037512
Score: 10.8425
Type of gen. func.: ogf

$$\frac{x^{2} + 2}{(3 x - 1) (x - 1) (x^{2} + x + 1)}$$

Sequence: A037512
Score: 5.51807
Type of gen. func.: ogf

$$(604 f(x) - 1499) (3 f(x) x^{4} - f(x) x^{3} - 3 f(x) x - x^{2} + f(x) - 2)$$

Sequence: A037512
Score: 9.45546
Type of gen. func.: lgdogf

$$- \frac{6 x^{5} - x^{4} + 24 x^{3} - 3 x^{2} - 2 x - 6}{(x - 1) (3 x - 1) (x^{2} + x + 1) (x^{2} + 2)}$$

Sequence: A037513
Score: 10.7817
Type of gen. func.: ogf

$$\frac{x^{2} + 2}{(4 x - 1) (x - 1) (x^{2} + x + 1)}$$

Sequence: A037513
Score: 5.03735
Type of gen. func.: ogf

$$^{4} \qquad\qquad ^{3} \qquad\qquad\qquad ^{2}$$

$$-(796527 f(x) - 1262728) (4 f(x) x - f(x) x - 4 f(x) x - x + f(x) - 2)$$

Sequence: A037513
Score: 9.40647
Type of gen. func.: lgdogf

$$-\frac{8 x^5 - x^4 + 32 x^3 - 2 x^2 - 2 x - 8}{(4 x - 1) (x - 1) (x^2 + x + 1) (x^2 + 2)}$$

Sequence: A037514
Score: 11.1169
Type of gen. func.: ogf

$$\frac{x^2 + 2}{(x - 1) (5 x - 1) (x^2 + x + 1)}$$

Sequence: A037514
Score: 5.23689
Type of gen. func.: ogf

$$-(220683 f(x) - 257045) (5 f(x) x^4 - f(x) x^3 - 5 f(x) x - x^2 + f(x) - 2)$$

Sequence: A037514
Score: 9.70780
Type of gen. func.: lgdogf

$$-\frac{10 x^5 - x^4 + 40 x^3 - x^2 - 2 x - 10}{(x - 1) (5 x - 1) (x^2 + x + 1) (x^2 + 2)}$$

Sequence: A037515
Score: 10.8962
Type of gen. func.: ogf

$$\frac{x^2 + 2}{}$$

$$(x - 1) (6 x - 1) (x^2 + x + 1)$$

Sequence: A037515
Score: 5.13291
Type of gen. func.: ogf

$$-(180839 f(x) - 166348) (6 f(x) x^4 - f(x) x^3 - 6 f(x) x - x^2 + f(x) - 2)$$

Sequence: A037515
Score: 9.98203
Type of gen. func.: lgdogf

$$-\frac{12 x^5 - x^4 + 48 x^3 - 2 x - 12}{(x - 1) (6 x - 1) (x^2 + x + 1) (x^2 + 2)}$$

Sequence: A037516
Score: 4.26355
Type of gen. func.: ogf

$$-(21984030 f(x) - 16697807) (7 f(x) x^4 - f(x) x^3 - 7 f(x) x - x^2 + f(x) - 2)$$

Sequence: A037516
Score: 9.34989
Type of gen. func.: ogf

$$\frac{x^2 + 2}{(x - 1) (7 x - 1) (x^2 + x + 1)}$$

Sequence: A037517
Score: 4.05584
Type of gen. func.: ogf

$$-(12627447 f(x) - 8163472) (8 f(x) x^4 - f(x) x^3 - 8 f(x) x - x^2 + f(x) - 2)$$

Sequence: A037517
Score: 7.44489
Type of gen. func.: lgdogf

$$-\frac{16 x^5 - x^4 + 64 x^3 + 2 x^2 - 2 x - 16}{(8 x - 1) (x - 1) (x^2 + x + 1) (x^2 + 2)}$$

Sequence: A037517
Score: 8.82323
Type of gen. func.: ogf

$$\frac{x^2 + 2}{(x - 1) (8 x - 1) (x^2 + x + 1)}$$

Sequence: A037518
Score: 11.5625
Type of gen. func.: ogf

$$\frac{x^2 + 2}{(x - 1) (9 x - 1) (x^2 + x + 1)}$$

Sequence: A037518
Score: 5.40214
Type of gen. func.: ogf

$$-(1618501 f(x) - 910449) (9 f(x) x^4 - f(x) x^3 - 9 f(x) x - x^2 + f(x) - 2)$$

Sequence: A037518
Score: 6.72359
Type of gen. func.: lgdogf

$$-\frac{18 x^5 - x^4 + 72 x^3 + 3 x^2 - 2 x - 18}{(x - 1) (9 x - 1) (x^2 + x + 1) (x^2 + 2)}$$

Sequence: A037519
Score: 3.33141
Type of gen. func.: ogf

$$-(553238919 f(x) - 275369620)$$

$$(10 f(x) x^4 - f(x) x^3 - 10 f(x) x - x^2 + f(x) - 2)$$

Sequence: A037519
Score: 6.15678
Type of gen. func.: lgdogf

$$-\frac{20 x^5 - x^4 + 80 x^3 + 4 x^2 - 2 x - 20}{(10 x - 1) (x - 1) (x^2 + x + 1) (x^2 + 2)}$$

Sequence: A037519
Score: 7.28392
Type of gen. func.: ogf

$$\frac{x^2 + 2}{(10 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037520
Score: 11.0612
Type of gen. func.: lgdogf

$$-\frac{9 x^4 + 22 x^3 - 6 x^2 - 7}{(x - 1) (3 x - 1) (x + 2) (x^2 + x + 1)}$$

Sequence: A037520
Score: 11.7216
Type of gen. func.: ogf

$$\frac{x + 2}{(3 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037520
Score: 5.49773
Type of gen. func.: ogf

$$-(2188 f(x) + 2691) (3 f(x) x^4 - f(x) x^3 - 3 f(x) x + f(x) - x - 2)$$

Sequence: A037521
Score: 10.6167
Type of gen. func.: lgdogf

$$- \frac{3 (4 x^4 + 10 x^3 - 2 x^2 - 3)}{(x - 1) (x + 2) (4 x - 1) (x^2 + x + 1)}$$

Sequence: A037521
Score: 11.6546
Type of gen. func.: ogf

$$\frac{x + 2}{(4 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037521
Score: 5.19069
Type of gen. func.: ogf

$$-(1184913 f(x) + 1159472) (4 f(x) x^4 - f(x) x^3 - 4 f(x) x + f(x) - x - 2)$$

Sequence: A037522
Score: 11.1498
Type of gen. func.: lgdogf

$$- \frac{15 x^4 + 38 x^3 - 6 x^2 - 11}{(x + 2) (5 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037522
Score: 12.0142
Type of gen. func.: ogf

$$\frac{x + 2}{(x - 1) (5 x - 1) (x^2 + x + 1)}$$

Sequence: A037522
Score: 5.35088
Type of gen. func.: ogf

$$-(5260206 f(x) + 4337075) (5 f(x) x^4 - f(x) x^3 - 5 f(x) x + f(x) - x - 2)$$

Sequence: A037523
Score: 10.6829
Type of gen. func.: ogf

$$\frac{x + 2}{(x - 1) (6 x - 1) (x^2 + x + 1)}$$

Sequence: A037523
Score: 4.83926
Type of gen. func.: ogf

$$-(221401 f(x) + 158508) (6 f(x) x^4 - f(x) x^3 - 6 f(x) x + f(x) - x - 2)$$

Sequence: A037524
Score: 10.1667
Type of gen. func.: ogf

$$\frac{x + 2}{(x - 1) (7 x - 1) (x^2 + x + 1)}$$

Sequence: A037524
Score: 4.45316
Type of gen. func.: ogf

$$-(50852232 f(x) + 32234699) (7 f(x) x^4 - f(x) x^3 - 7 f(x) x + f(x) - x - 2)$$

Sequence: A037524
Score: 9.41169
Type of gen. func.: lgdogf

$$-\frac{3 (7 x^4 + 18 x^3 - 2 x^2 - 5)}{(x + 2) (7 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037525
Score: 4.12233
Type of gen. func.: ogf

$$-(125870673 f(x) + 71650496) (8 f(x) x^4 - f(x) x^3 - 8 f(x) x + f(x) - x - 2)$$

Sequence: A037525
Score: 8.77434
Type of gen. func.: lgdogf

$$-\frac{24 x^4 + 62 x^3 - 6 x^2 - 17}{(x + 2) (8 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037525
Score: 9.48913
Type of gen. func.: ogf

$$\frac{x + 2}{(x - 1) (8 x - 1) (x^2 + x + 1)}$$

Sequence: A037526
Score: 6.85744
Type of gen. func.: ogf

4   3

$$-(3464938 f(x) + 1790667) (9 f(x) x - f(x) x - 9 f(x) x + f(x) - x - 2)$$

Sequence: A037526
Score: 7.95287
Type of gen. func.: lgdogf

$$-\frac{27 x^4 + 70 x^3 - 6 x^2 - 19}{(x + 2) (9 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037526
Score: 8.76691
Type of gen. func.: ogf

$$\frac{x + 2}{(x - 1) (9 x - 1) (x^2 + x + 1)}$$

Sequence: A037527
Score: 11.6275
Type of gen. func.: lgdogf

$$-\frac{3 (10 x^4 + 26 x^3 - 2 x^2 - 7)}{(x + 2) (10 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037527
Score: 12.6910
Type of gen. func.: ogf

$$\frac{x + 2}{(10 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037527
Score: 5.58405
Type of gen. func.: ogf

$$-(576081081 f(x) + 272672300) (10 f(x) x^4 - f(x) x^3 - 10 f(x) x + f(x) - x - 2)$$

Sequence: A037528
Score: 5.19972
Type of gen. func.: ogf

$$(48238 f(x) + 651) (3 f(x) x^4 - f(x) x^3 - 3 f(x) x - 2 x^2 + f(x) - x - 1)$$

Sequence: A037528
Score: 9.97325
Type of gen. func.: ogf

$$\frac{2 x^2 + x + 1}{(3 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037529
Score: 10.7845
Type of gen. func.: ogf

$$\frac{2 x^2 + x + 1}{(4 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037529
Score: 5.62271
Type of gen. func.: ogf

$$(18561 f(x) - 512) (4 f(x) x^4 - f(x) x^3 - 4 f(x) x - 2 x^2 + f(x) - x - 1)$$

Sequence: A037529
Score: 8.83759
Type of gen. func.: lgdogf

$$- \frac{16 x^5 + 10 x^4 + 14 x^3 + 5 x^2 - 4 x - 5}{(x - 1) (4 x - 1) (x^2 + x + 1) (2 x^2 + x + 1)}$$

Sequence: A037530
Score: 10.1346
Type of gen. func.: ogf

$$\frac{2 x^2 + x + 1}{(x - 1) (5 x - 1) (x^2 + x + 1)}$$

Sequence: A037530
Score: 4.94567
Type of gen. func.: ogf

$$-(1264516 f(x) - 48605) (5 f(x) x^4 - f(x) x^3 - 5 f(x) x - 2 x^2 + f(x) - x - 1)$$

Sequence: A037530
Score: 8.41450
Type of gen. func.: lgdogf

$$- \frac{20 x^5 + 13 x^4 + 18 x^3 + 7 x^2 - 4 x - 6}{(x - 1) (5 x - 1) (x^2 + x + 1) (2 x^2 + x + 1)}$$

Sequence: A037531
Score: 4.96607
Type of gen. func.: ogf

$$-(37615 f(x) - 1524) (6 f(x) x^4 - f(x) x^3 - 6 f(x) x - 2 x^2 + f(x) - x - 1)$$

Sequence: A037531
Score: 8.24558
Type of gen. func.: lgdogf

$$- \frac{24 x^5 + 16 x^4 + 22 x^3 + 9 x^2 - 4 x - 7}{(x - 1) (6 x - 1) (x^2 + x + 1) (2 x^2 + x + 1)}$$

Sequence: A037531
Score: 9.93211
Type of gen. func.: ogf

$$\frac{2x^2+x+1}{(x-1)(6x-1)(x^2+x+1)}$$

Sequence: A037532
Score: 4.10367
Type of gen. func.: ogf

$$-(11784810 f(x) - 467453)$$

$$(7 f(x) x^4 - f(x) x^3 - 7 f(x) x - 2 x^2 + f(x) - x - 1)$$

Sequence: A037532
Score: 6.97792
Type of gen. func.: lgdogf

$$-\frac{28x^5+19x^4+26x^3+11x^2-4x-8}{(x-1)(7x-1)(x^2+x+1)(2x^2+x+1)}$$

Sequence: A037532
Score: 8.54370
Type of gen. func.: ogf

$$\frac{2x^2+x+1}{(x-1)(7x-1)(x^2+x+1)}$$

Sequence: A037533
Score: 11.2298
Type of gen. func.: ogf

$$\frac{2x^2+x+1}{(x-1)(8x-1)(x^2+x+1)}$$

Sequence: A037533
Score: 5.48014
Type of gen. func.: ogf

$$-(1807873 f(x) - 68384) (8 f(x) x^4 - f(x) x^3 - 8 f(x) x - 2 x^2 + f(x) - x - 1)$$

Sequence: A037533
Score: 6.49343
Type of gen. func.: lgdogf

$$-\frac{32 x^5 + 22 x^4 + 30 x^3 + 13 x^2 - 4 x - 9}{(x - 1) (8 x - 1) (x^2 + x + 1) (2 x^2 + x + 1)}$$

Sequence: A037534
Score: 3.49725
Type of gen. func.: ogf

$$-(64152016 f(x) - 2291157)$$

$$(9 f(x) x^4 - f(x) x^3 - 9 f(x) x - 2 x^2 + f(x) - x - 1)$$

Sequence: A037534
Score: 5.81752
Type of gen. func.: lgdogf

$$-\frac{36 x^5 + 25 x^4 + 34 x^3 + 15 x^2 - 4 x - 10}{(9 x - 1) (x - 1) (x^2 + x + 1) (2 x^2 + x + 1)}$$

Sequence: A037534
Score: 7.33848
Type of gen. func.: ogf

$$\frac{2 x^2 + x + 1}{(x - 1) (9 x - 1) (x^2 + x + 1)}$$

Sequence: A037535
Score: 3.35743
Type of gen. func.: ogf

$$-(8201001 f(x) - 275660)$$

$$(10 f(x) x^4 - f(x) x^3 - 10 f(x) x - 2 x^2 + f(x) - x - 1)$$

Sequence: A037535
Score: 5.50870
Type of gen. func.: lgdogf

$$-\frac{40 x^5 + 28 x^4 + 38 x^3 + 17 x^2 - 4 x - 11}{(10 x - 1) (x - 1) (x^2 + x + 1) (2 x^2 + x + 1)}$$

Sequence: A037535
Score: 6.82144
Type of gen. func.: ogf

$$\frac{2 x^2 + x + 1}{(10 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037536
Score: 10.0260
Type of gen. func.: ogf

$$\frac{(x + 1)^2}{(3 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037536
Score: 10.1477
Type of gen. func.: lgdogf

$$-\frac{6 x^4 + 11 x^3 - 3 x^2 + 3 x - 5}{}$$

$$(x - 1) (3 x - 1) (x + 1) (x^2 + x + 1)$$

Sequence: A037536
Score: 5.31814
Type of gen. func.: ogf

$$(977 f(x) + 516) (3 f(x) x^4 - f(x) x^3 - 3 f(x) x - x^2 + f(x) - 2 x - 1)$$

Sequence: A037537
Score: 10.0747
Type of gen. func.: ogf

$$\frac{(x + 1)^2}{(4 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037537
Score: 10.3796
Type of gen. func.: lgdogf

$$- \frac{8 x^4 + 15 x^3 - 3 x^2 + 4 x - 6}{(x - 1) (4 x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A037537
Score: 5.25262
Type of gen. func.: ogf

$$(4709 f(x) + 2120) (4 f(x) x^4 - f(x) x^3 - 4 f(x) x - x^2 + f(x) - 2 x - 1)$$

Sequence: A037538
Score: 10.1852
Type of gen. func.: ogf

$$\frac{(x + 1)^2}{(x - 1) (5 x - 1) (x^2 + x + 1)}$$

Sequence: A037538
Score: 10.3209
Type of gen. func.: lgdogf

$$-\frac{10 x^4 + 19 x^3 - 3 x^2 + 5 x - 7}{(x - 1) (5 x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A037538
Score: 5.31025
Type of gen. func.: ogf

$$(8107 f(x) + 3120) (5 f(x) x^4 - f(x) x^3 - 5 f(x) x - x^2 + f(x) - 2 x - 1)$$

Sequence: A037539
Score: 10.0320
Type of gen. func.: ogf

$$\frac{(x + 1)^2}{(x - 1) (6 x - 1) (x^2 + x + 1)}$$

Sequence: A037539
Score: 10.1656
Type of gen. func.: lgdogf

$$-\frac{12 x^4 + 23 x^3 - 3 x^2 + 6 x - 8}{(x - 1) (6 x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A037539
Score: 5.18601
Type of gen. func.: ogf

$$(22501 f(x) + 7518) (6 f(x) x^4 - f(x) x^3 - 6 f(x) x - x^2 + f(x) - 2 x - 1)$$

Sequence: A037540
Score: 4.44161
Type of gen. func.: ogf

$$(21487 f(x) + 6328) (7 f(x) x^4 - f(x) x^3 - 7 f(x) x - x^2 + f(x) - 2 x - 1)$$

Sequence: A037540
Score: 8.59197
Type of gen. func.: ogf

$$\frac{(x + 1)^2}{(x - 1) (7 x - 1) (x^2 + x + 1)}$$

Sequence: A037540
Score: 8.68360
Type of gen. func.: lgdogf

$$- \frac{14 x^4 + 27 x^3 - 3 x^2 + 7 x - 9}{(x - 1) (7 x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A037541
Score: 4.09469
Type of gen. func.: ogf

$$(229427 f(x) + 60336) (8 f(x) x^4 - f(x) x^3 - 8 f(x) x - x^2 + f(x) - 2 x - 1)$$

Sequence: A037541
Score: 7.99669
Type of gen. func.: lgdogf

$$- \frac{16 x^4 + 31 x^3 - 3 x^2 + 8 x - 10}{(x - 1) (8 x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A037541
Score: 8.05513
Type of gen. func.: ogf

$$\frac{(x+1)^2}{(x-1)(8x-1)(x^2+x+1)}$$

Sequence: A037542
Score: 3.75401
Type of gen. func.: ogf

$$(224797 f(x) + 53370) (9 f(x) x^4 - f(x) x^3 - 9 f(x) x - x^2 + f(x) - 2 x - 1)$$

Sequence: A037542
Score: 7.19914
Type of gen. func.: lgdogf

$$-\frac{18 x^4 + 35 x^3 - 3 x^2 + 9 x - 11}{(x-1)(9x-1)(x+1)(x^2+x+1)}$$

Sequence: A037542
Score: 7.38492
Type of gen. func.: ogf

$$\frac{(x+1)^2}{(x-1)(9x-1)(x^2+x+1)}$$

Sequence: A037543
Score: 3.52255
Type of gen. func.: ogf

$$(411427 f(x) + 88990) (10 f(x) x^4 - f(x) x^3 - 10 f(x) x - x^2 + f(x) - 2 x - 1)$$

Sequence: A037543

Score: 6.64541
Type of gen. func.: lgdogf

$$-\frac{20 x^4 + 39 x^3 - 3 x^2 + 10 x - 12}{(x - 1) (10 x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A037543
Score: 6.82144
Type of gen. func.: ogf

$$\frac{(x + 1)^2}{(10 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037544
Score: 10.0788
Type of gen. func.: ogf

$$\frac{2 x^2 + 2 x + 1}{(3 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037544
Score: 4.99842
Type of gen. func.: ogf

$$-(26111 f(x) + 11364) (3 f(x) x^4 - f(x) x^3 - 3 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A037544
Score: 8.24562
Type of gen. func.: lgdogf

$$-\frac{12 x^5 + 16 x^4 + 8 x^3 + 3 x^2 - 4 x - 5}{(x - 1) (3 x - 1) (x^2 + x + 1) (2 x^2 + 2 x + 1)}$$

Sequence: A037545
Score: 10.0747
Type of gen. func.: ogf

$$\frac{2 x^2 + 2 x + 1}{(4 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037545
Score: 4.9561
Type of gen. func.: ogf

$$-(186791 f(x) + 71696) (4 f(x) x^4 - f(x) x^3 - 4 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A037545
Score: 8.13533
Type of gen. func.: lgdogf

$$-\frac{16 x^5 + 22 x^4 + 12 x^3 + 5 x^2 - 4 x - 6}{(4 x - 1) (x - 1) (x^2 + x + 1) (2 x^2 + 2 x + 1)}$$

Sequence: A037546
Score: 10.1852
Type of gen. func.: ogf

$$\frac{2 x^2 + 2 x + 1}{(x - 1) (5 x - 1) (x^2 + x + 1)}$$

Sequence: A037546
Score: 5.221
Type of gen. func.: ogf

$$(33949 f(x) + 10980) (5 f(x) x^4 - f(x) x^3 - 5 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A037546
Score: 8.22885

Type of gen. func.: lgdogf

$$-\frac{20x^5+28x^4+16x^3+7x^2-4x-7}{(5x-1)(x-1)(x^2+x+1)(2x^2+2x+1)}$$

Sequence: A037547
Score: 10.0320
Type of gen. func.: ogf

$$\frac{2x^2+2x+1}{(x-1)(6x-1)(x^2+x+1)}$$

Sequence: A037547
Score: 5.01598
Type of gen. func.: ogf

$$(2923535 f(x) + 807024)$$

$$(6 f(x) x^4 - f(x) x^3 - 6 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A037547
Score: 8.10501
Type of gen. func.: lgdogf

$$-\frac{24x^5+34x^4+20x^3+9x^2-4x-8}{(6x-1)(x-1)(x^2+x+1)(2x^2+2x+1)}$$

Sequence: A037548
Score: 4.40429
Type of gen. func.: ogf

$$(66679 f(x) + 15988) (7 f(x) x^4 - f(x) x^3 - 7 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A037548
Score: 6.83110

Type of gen. func.: lgdogf

$$-\frac{28 x^5 + 40 x^4 + 24 x^3 + 11 x^2 - 4 x - 9}{(7 x - 1) (x - 1) (x^2 + x + 1) (2 x^2 + 2 x + 1)}$$

Sequence: A037548
Score: 8.59197
Type of gen. func.: ogf

$$\frac{2 x^2 + 2 x + 1}{(x - 1) (7 x - 1) (x^2 + x + 1)}$$

Sequence: A037549
Score: 10.1658
Type of gen. func.: ogf

$$\frac{2 x^2 + 2 x + 1}{(x - 1) (8 x - 1) (x^2 + x + 1)}$$

Sequence: A037549
Score: 4.84466
Type of gen. func.: ogf

$-(20696551 f(x) + 4378464)$

$$(8 f(x) x^4 - f(x) x^3 - 8 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A037549
Score: 6.31318
Type of gen. func.: lgdogf

$$-\frac{32 x^5 + 46 x^4 + 28 x^3 + 13 x^2 - 4 x - 10}{(8 x - 1) (x - 1) (x^2 + x + 1) (2 x^2 + 2 x + 1)}$$

Sequence: A037550
Score: 3.63291
Type of gen. func.: ogf

$$(46243361 f(x) + 8745156)$$

$$(9 f(x) x^4 - f(x) x^3 - 9 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A037550
Score: 5.70321
Type of gen. func.: lgdogf

$$- \frac{36 x^5 + 52 x^4 + 32 x^3 + 15 x^2 - 4 x - 11}{(9 x - 1) (x - 1) (x^2 + x + 1) (2 x^2 + 2 x + 1)}$$

Sequence: A037550
Score: 7.38492
Type of gen. func.: ogf

$$\frac{2 x^2 + 2 x + 1}{(x - 1) (9 x - 1) (x^2 + x + 1)}$$

Sequence: A037551
Score: 3.46574
Type of gen. func.: ogf

$$(3802199 f(x) + 649760)$$

$$(10 f(x) x^4 - f(x) x^3 - 10 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A037551
Score: 5.36745
Type of gen. func.: lgdogf

$$- \frac{40 x^5 + 58 x^4 + 36 x^3 + 17 x^2 - 4 x - 12}{(10 x - 1) (x - 1) (x^2 + x + 1) (2 x^2 + 2 x + 1)}$$

Sequence: A037551
Score: 6.82144
Type of gen. func.: ogf

$$\frac{2x^2 + 2x + 1}{(10x - 1)(x - 1)(x^2 + x + 1)}$$

Sequence: A037552
Score: 10.1843
Type of gen. func.: ogf

$$\frac{x^2 + x + 2}{(3x - 1)(x - 1)(x^2 + x + 1)}$$

Sequence: A037552
Score: 5.09216
Type of gen. func.: ogf

$$-(3662 f(x) - 14235)(3 f(x) x^4 - f(x) x^3 - 3 f(x) x - x^2 + f(x) - x - 2)$$

Sequence: A037552
Score: 8.81693
Type of gen. func.: lgdogf

$$-\frac{6x^5 + 8x^4 + 22x^3 - 3x^2 - 2x - 7}{(3x - 1)(x - 1)(x^2 + x + 1)(x^2 + x + 2)}$$

Sequence: A037553
Score: 10.1775
Type of gen. func.: ogf

$$\frac{x^2 + x + 2}{(4x - 1)(x - 1)(x^2 + x + 1)}$$

Sequence: A037553
Score: 5.04738
Type of gen. func.: ogf

$$-(14255 f(x) - 33416) (4 f(x) x^4 - f(x) x^3 - 4 f(x) x - x^2 + f(x) - x - 2)$$

Sequence: A037553
Score: 8.68979
Type of gen. func.: lgdogf

$$-\frac{8 x^5 + 11 x^4 + 30 x^3 - 2 x^2 - 2 x - 9}{(x - 1) (4 x - 1) (x^2 + x + 1) (x^2 + x + 2)}$$

Sequence: A037554
Score: 10.4386
Type of gen. func.: ogf

$$\frac{x^2 + x + 2}{(x - 1) (5 x - 1) (x^2 + x + 1)}$$

Sequence: A037554
Score: 5.01382
Type of gen. func.: ogf

$$-(1185484 f(x) - 1990485) (5 f(x) x^4 - f(x) x^3 - 5 f(x) x - x^2 + f(x) - x - 2)$$

Sequence: A037554
Score: 9.04913
Type of gen. func.: lgdogf

$$-\frac{10 x^5 + 14 x^4 + 38 x^3 - x^2 - 2 x - 11}{(5 x - 1) (x - 1) (x^2 + x + 1) (x^2 + x + 2)}$$

Sequence: A037555
Score: 4.52955
Type of gen. func.: ogf

$$-(279800 f(x) - 365781) (6 f(x) x^4 - f(x) x^3 - 6 f(x) x - x^2 + f(x) - x - 2)$$

Sequence: A037555
Score: 9.28185
Type of gen. func.: ogf

$$\frac{x^2 + x + 2}{(x - 1) (6 x - 1) (x^2 + x + 1)}$$

Sequence: A037556
Score: 4.17699
Type of gen. func.: ogf

$$-(13646582 f(x) - 14598941)$$

$$(7 f(x) x^4 - f(x) x^3 - 7 f(x) x - x^2 + f(x) - x - 2)$$

Sequence: A037556
Score: 7.63847
Type of gen. func.: lgdogf

$$-\frac{14 x^5 + 20 x^4 + 54 x^3 + x^2 - 2 x - 15}{(7 x - 1) (x - 1) (x^2 + x + 1) (x^2 + x + 2)}$$

Sequence: A037556
Score: 8.83333
Type of gen. func.: ogf

$$\frac{x^2 + x + 2}{(x - 1) (7 x - 1) (x^2 + x + 1)}$$

Sequence: A037557
Score: 3.96004
Type of gen. func.: ogf

$$-(2228479 f(x) - 2016720) (8 f(x) x^4 - f(x) x^3 - 8 f(x) x - x^2 + f(x) - x - 2)$$

Sequence: A037557
Score: 6.92060
Type of gen. func.: lgdogf

$$- \frac{16 x^5 + 23 x^4 + 62 x^3 + 2 x^2 - 2 x - 17}{(8 x - 1) (x - 1) (x^2 + x + 1) (x^2 + x + 2)}$$

Sequence: A037557
Score: 8.24466
Type of gen. func.: ogf

$$\frac{x^2 + x + 2}{(x - 1) (8 x - 1) (x^2 + x + 1)}$$

Sequence: A037558
Score: 3.60191
Type of gen. func.: ogf

$$-(82919360 f(x) - 65005461)$$

$$(9 f(x) x^4 - f(x) x^3 - 9 f(x) x - x^2 + f(x) - x - 2)$$

Sequence: A037558
Score: 6.29602
Type of gen. func.: lgdogf

$$- \frac{18 x^5 + 26 x^4 + 70 x^3 + 3 x^2 - 2 x - 19}{(9 x - 1) (x - 1) (x^2 + x + 1) (x^2 + x + 2)}$$

Sequence: A037558
Score: 7.61715
Type of gen. func.: ogf

$$\frac{x^2 + x + 2}{(x - 1) (9 x - 1) (x^2 + x + 1)}$$

Sequence: A037559
Score: 3.33141
Type of gen. func.: ogf

$$-(1571732 f(x) - 1086635)$$

$$(10 f(x) x^4 - f(x) x^3 - 10 f(x) x - x^2 + f(x) - x - 2)$$

Sequence: A037559
Score: 5.73508
Type of gen. func.: lgdogf

$$- \frac{20 x^5 + 29 x^4 + 78 x^3 + 4 x^2 - 2 x - 21}{(10 x - 1) (x - 1) (x^2 + x + 1) (x^2 + x + 2)}$$

Sequence: A037559
Score: 6.82144
Type of gen. func.: ogf

$$\frac{x^2 + x + 2}{(10 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037560
Score: 10.2899
Type of gen. func.: ogf

$$\frac{x^2 + 2 x + 2}{(3 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037560
Score: 5.27463
Type of gen. func.: ogf

$$-(2356 f(x) + 69) (3 f(x) x^4 - f(x) x^3 - 3 f(x) x - x^2 + f(x) - 2 x - 2)$$

Sequence: A037560
Score: 8.53897
Type of gen. func.: lgdogf

$$- \frac{6 x^5 + 17 x^4 + 20 x^3 - 3 x^2 - 2 x - 8}{(x - 1) (3 x - 1) (x^2 + x + 1) (x^2 + 2 x + 2)}$$

Sequence: A037561
Score: 10.3317
Type of gen. func.: ogf

$$\frac{x^2 + 2 x + 2}{(4 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037561
Score: 5.20855
Type of gen. func.: ogf

$$(1584729 f(x) + 80936) (4 f(x) x^4 - f(x) x^3 - 4 f(x) x - x^2 + f(x) - 2 x - 2)$$

Sequence: A037561
Score: 8.57905
Type of gen. func.: lgdogf

$$- \frac{8 x^5 + 23 x^4 + 28 x^3 - 2 x^2 - 2 x - 10}{(x - 1) (4 x - 1) (x^2 + x + 1) (x^2 + 2 x + 2)}$$

Sequence: A037562
Score: 10.4386
Type of gen. func.: ogf

$$\frac{x^2 + 2 x + 2}{(x - 1) (5 x - 1) (x^2 + x + 1)}$$

Sequence: A037562
Score: 5.35088
Type of gen. func.: ogf

$$(141413 f(x) + 8380) (5 f(x) x^4 - f(x) x^3 - 5 f(x) x - x^2 + f(x) - 2 x - 2)$$

Sequence: A037562
Score: 8.79423
Type of gen. func.: lgdogf

$$- \frac{10 x^5 + 29 x^4 + 36 x^3 - x^2 - 2 x - 12}{(5 x - 1) (x - 1) (x^2 + x + 1) (x^2 + 2 x + 2)}$$

Sequence: A037563
Score: 4.56608
Type of gen. func.: ogf

$$(24214705 f(x) + 1479684)$$

$$(6 f(x) x^4 - f(x) x^3 - 6 f(x) x - x^2 + f(x) - 2 x - 2)$$

Sequence: A037563
Score: 9.28185
Type of gen. func.: ogf

$$\frac{x^2 + 2 x + 2}{(x - 1) (6 x - 1) (x^2 + x + 1)}$$

Sequence: A037564
Score: 4.34542
Type of gen. func.: ogf

$$(17234127 f(x) + 1037099)$$

$$(7 f(x) x^4 - f(x) x^3 - 7 f(x) x - x^2 + f(x) - 2 x - 2)$$

Sequence: A037564
Score: 7.42331
Type of gen. func.: lgdogf

$$- \frac{14 x^5 + 41 x^4 + 52 x^3 + x^2 - 2 x - 16}{(7 x - 1) (x - 1) (x^2 + x + 1) (x^2 + 2 x + 2)}$$

Sequence: A037564
Score: 8.83333
Type of gen. func.: ogf

$$\frac{x^2 + 2 x + 2}{(x - 1) (7 x - 1) (x^2 + x + 1)}$$

Sequence: A037565
Score: 4.12233
Type of gen. func.: ogf

$$(6849025 f(x) + 397712) (8 f(x) x^4 - f(x) x^3 - 8 f(x) x - x^2 + f(x) - 2 x - 2)$$

Sequence: A037565
Score: 6.73100
Type of gen. func.: lgdogf

$$- \frac{16 x^5 + 47 x^4 + 60 x^3 + 2 x^2 - 2 x - 18}{(8 x - 1) (x - 1) (x^2 + x + 1) (x^2 + 2 x + 2)}$$

Sequence: A037565
Score: 8.24466
Type of gen. func.: ogf

$$\frac{x^2 + 2 x + 2}{(x - 1) (8 x - 1) (x^2 + x + 1)}$$

Sequence: A037566
Score: 3.68767
Type of gen. func.: ogf

$$(191472227 f(x) + 10629288)$$

$$(9 f(x) x^4 - f(x) x^3 - 9 f(x) x - x^2 + f(x) - 2 x - 2)$$

Sequence: A037566
Score: 6.12586
Type of gen. func.: lgdogf

$$- \frac{18 x^5 + 53 x^4 + 68 x^3 + 3 x^2 - 2 x - 20}{(9 x - 1) (x - 1) (x^2 + x + 1) (x^2 + 2 x + 2)}$$

Sequence: A037566
Score: 7.61715
Type of gen. func.: ogf

$$\frac{x^2 + 2 x + 2}{(x - 1) (9 x - 1) (x^2 + x + 1)}$$

Sequence: A037567
Score: 3.41072
Type of gen. func.: ogf

$$(31524201 f(x) + 1666220)$$

$$(10 f(x) x^4 - f(x) x^3 - 10 f(x) x - x^2 + f(x) - 2 x - 2)$$

Sequence: A037567
Score: 5.58215
Type of gen. func.: lgdogf

$$-\frac{20x^5+59x^4+76x^3+4x^2-2x-22}{(10x-1)(x-1)(x^2+x+1)(x^2+2x+2)}$$

Sequence: A037567
Score: 6.82144
Type of gen. func.: ogf

$$\frac{x^2+2x+2}{(10x-1)(x-1)(x^2+x+1)}$$

Sequence: A037568
Score: 10.2371
Type of gen. func.: ogf

$$\frac{2x^2+x+2}{(3x-1)(x-1)(x^2+x+1)}$$

Sequence: A037568
Score: 5.20385
Type of gen. func.: ogf

$$(130196 f(x) - 69555)(3 f(x) x^4 - f(x) x^3 - 3 f(x) x - 2x^2 + f(x) - x - 2)$$

Sequence: A037568
Score: 9.40903
Type of gen. func.: lgdogf

$$-\frac{12x^5+7x^4+22x^3-4x-7}{\quad{}^2 \qquad\qquad {}^2}$$

$$(3 x - 1) (x - 1) (x + x + 1) (2 x + x + 2)$$

Sequence: A037569
Score: 10.2289
Type of gen. func.: ogf

$$\frac{2 x^{2} + x + 2}{(4 x - 1) (x - 1) (x^{2} + x + 1)}$$

Sequence: A037569
Score: 5.19969
Type of gen. func.: ogf

$$(279693 f(x) - 91840) (4 f(x) x^{4} - f(x) x^{3} - 4 f(x) x - 2 x^{2} + f(x) - x - 2)$$

Sequence: A037569
Score: 8.37562
Type of gen. func.: lgdogf

$$- \frac{16 x^{5} + 10 x^{4} + 30 x^{3} + 2 x^{2} - 4 x - 9}{(4 x - 1) (x - 1) (x^{2} + x + 1) (2 x^{2} + x + 2)}$$

Sequence: A037570
Score: 10.4386
Type of gen. func.: ogf

$$\frac{2 x^{2} + x + 2}{(x - 1) (5 x - 1) (x^{2} + x + 1)}$$

Sequence: A037570
Score: 5.30629
Type of gen. func.: ogf

$$(146074 f(x) - 32595) (5 f(x) x^{4} - f(x) x^{3} - 5 f(x) x - 2 x^{2} + f(x) - x - 2)$$

Sequence: A037570
Score: 8.55329
Type of gen. func.: lgdogf

$$-\frac{20 x^5 + 13 x^4 + 38 x^3 + 4 x^2 - 4 x - 11}{(5 x - 1) (x - 1) (x^2 + x + 1) (2 x^2 + x + 2)}$$

Sequence: A037571
Score: 4.71828
Type of gen. func.: ogf

$$(492263 f(x) - 79620) (6 f(x) x^4 - f(x) x^3 - 6 f(x) x - 2 x^2 + f(x) - x - 2)$$

Sequence: A037571
Score: 9.28185
Type of gen. func.: ogf

$$\frac{2 x^2 + x + 2}{(x - 1) (6 x - 1) (x^2 + x + 1)}$$

Sequence: A037572
Score: 4.34542
Type of gen. func.: ogf

$$(11547544 f(x) - 1416905)$$

$$(7 f(x) x^4 - f(x) x^3 - 7 f(x) x - 2 x^2 + f(x) - x - 2)$$

Sequence: A037572
Score: 7.21993
Type of gen. func.: lgdogf

$$-\frac{28 x^5 + 19 x^4 + 54 x^3 + 8 x^2 - 4 x - 15}{(7 x - 1) (x - 1) (x^2 + x + 1) (2 x^2 + x + 2)}$$

Sequence: A037572
Score: 8.83333
Type of gen. func.: ogf

$$\frac{2 x^2 + x + 2}{(x - 1) (7 x - 1) (x^2 + x + 1)}$$

Sequence: A037573
Score: 4.05584
Type of gen. func.: ogf

$$(85331431 f(x) - 8218080)$$

$$(8 f(x) x^4 - f(x) x^3 - 8 f(x) x - 2 x^2 + f(x) - x - 2)$$

Sequence: A037573
Score: 6.64004
Type of gen. func.: lgdogf

$$- \frac{32 x^5 + 22 x^4 + 62 x^3 + 10 x^2 - 4 x - 17}{(8 x - 1) (x - 1) (x^2 + x + 1) (2 x^2 + x + 2)}$$

Sequence: A037573
Score: 8.24466
Type of gen. func.: ogf

$$\frac{2 x^2 + x + 2}{(x - 1) (8 x - 1) (x^2 + x + 1)}$$

Sequence: A037574
Score: 3.68767
Type of gen. func.: ogf

$$(189620894 f(x) - 14718195)$$

4 3 2

$$(9 f(x) x - f(x) x - 9 f(x) x - 2 x + f(x) - x - 2)$$

Sequence: A037574
Score: 6.04418
Type of gen. func.: lgdogf

$$- \frac{36 x^5 + 25 x^4 + 70 x^3 + 12 x^2 - 4 x - 19}{(9 x - 1) (x - 1) (x^2 + x + 1) (2 x^2 + x + 2)}$$

Sequence: A037574
Score: 7.61715
Type of gen. func.: ogf

$$\frac{2 x^2 + x + 2}{(x - 1) (9 x - 1) (x^2 + x + 1)}$$

Sequence: A037575
Score: 3.46574
Type of gen. func.: ogf

$$(5176733 f(x) - 330780)$$

$$(10 f(x) x^4 - f(x) x^3 - 10 f(x) x - 2 x^2 + f(x) - x - 2)$$

Sequence: A037575
Score: 5.50870
Type of gen. func.: lgdogf

$$- \frac{40 x^5 + 28 x^4 + 78 x^3 + 14 x^2 - 4 x - 21}{(10 x - 1) (x - 1) (x^2 + x + 1) (2 x^2 + x + 2)}$$

Sequence: A037575
Score: 6.82144
Type of gen. func.: ogf

2

$$\frac{2 x + x + 2}{(10 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037576
Score: 11.5954
Type of gen. func.: ogf

$$\frac{3 x + 1}{(x - 1) (4 x - 1) (x + 1)}$$

Sequence: A037576
Score: 12.0403
Type of gen. func.: lgdogf

$$- \frac{24 x^3 + 9 x^2 - 2 x - 7}{(x - 1) (4 x - 1) (3 x + 1) (x + 1)}$$

Sequence: A037576
Score: 5.43855
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) - a(n + 1) + 4 a(n), a(0) = 1, a(1) = 7, a(2) = 29\}$$

Sequence: A037576
Score: 5.79771
Type of gen. func.: ogf

$$(183 f(x) - 44) (4 f(x) x^3 - f(x) x^2 - 4 f(x) x + f(x) - 3 x - 1)$$

Sequence: A037577
Score: 11.8393
Type of gen. func.: ogf

$$\frac{3 x + 1}{(x - 1) (5 x - 1) (x + 1)}$$

Sequence: A037577
Score: 12.3023
Type of gen. func.: lgdogf

$$-\frac{2\,(15\,x^3+6\,x^2-x-4)}{(x-1)\,(3\,x+1)\,(5\,x-1)\,(x+1)}$$

Sequence: A037577
Score: 5.50422
Type of gen. func.: ogf

$$-(33336\,f(x)-2345)\,(5\,f(x)\,x^3-f(x)\,x^2-5\,f(x)\,x+f(x)-3\,x-1)$$

Sequence: A037577
Score: 5.55293
Type of gen. func.: ogf

$$\{a(n+3)-5\,a(n+2)-a(n+1)+5\,a(n),\ a(0)=1,\ a(1)=8,\ a(2)=41\}$$

Sequence: A037578
Score: 11.5462
Type of gen. func.: ogf

$$\frac{3\,x+1}{(x-1)\,(6\,x-1)\,(x+1)}$$

Sequence: A037578
Score: 11.7602
Type of gen. func.: lgdogf

$$-\frac{36\,x^3+15\,x^2-2\,x-9}{(x-1)\,(6\,x-1)\,(3\,x+1)\,(x+1)}$$

Sequence: A037578
Score: 5.41548
Type of gen. func.: ogf

$$\{a(n+3)-6\,a(n+2)-a(n+1)+6\,a(n),\ a(0)=1,\ a(1)=9,\ a(2)=55\}$$

Sequence: A037578
Score: 5.56317
Type of gen. func.: ogf

$$-(4874 f(x) - 9) (6 f(x) x^3 - f(x) x^2 - 6 f(x) x + f(x) - 3 x - 1)$$

Sequence: A037579
Score: 13.7055
Type of gen. func.: ogf

$$\frac{3 x + 1}{(x - 1) (7 x - 1) (x + 1)}$$

Sequence: A037579
Score: 14.2806
Type of gen. func.: lgdogf

$$- \frac{2 (21 x^3 + 9 x^2 - x - 5)}{(x - 1) (3 x + 1) (7 x - 1) (x + 1)}$$

Sequence: A037579
Score: 6.31648
Type of gen. func.: ogf

$$-(160068 f(x) + 4711) (7 f(x) x^3 - f(x) x^2 - 7 f(x) x + f(x) - 3 x - 1)$$

Sequence: A037579
Score: 6.37188
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) - a(n + 1) + 7 a(n), a(0) = 1, a(1) = 10, a(2) = 71\}$$

Sequence: A037580
Score: 13.0397
Type of gen. func.: ogf

$$\frac{3 x + 1}{(x - 1) (8 x - 1) (x + 1)}$$

Sequence: A037580
Score: 13.0563
Type of gen. func.: lgdogf

$$- \frac{48 x^3 + 21 x^2 - 2 x - 11}{(x - 1) (8 x - 1) (3 x + 1) (x + 1)}$$

Sequence: A037580
Score: 6.06233
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) - a(n + 1) + 8 a(n), a(0) = 1, a(1) = 11, a(2) = 89\}$$

Sequence: A037580
Score: 6.17059
Type of gen. func.: ogf

$$-(4671 f(x) + 208) (8 f(x) x^3 - f(x) x^2 - 8 f(x) x + f(x) - 3 x - 1)$$

Sequence: A037581
Score: 13.6142
Type of gen. func.: ogf

$$\frac{3 x + 1}{(x - 1) (9 x - 1) (x + 1)}$$

Sequence: A037581
Score: 13.6418
Type of gen. func.: lgdogf

$$- \frac{2 (27 x^3 + 12 x^2 - x - 6)}{(x - 1) (9 x - 1) (3 x + 1) (x + 1)}$$

Sequence: A037581
Score: 6.22027
Type of gen. func.: ogf

$$-(519632 f(x) + 26919) (9 f(x) x^3 - f(x) x^2 - 9 f(x) x + f(x) - 3 x - 1)$$

Sequence: A037581
Score: 6.27436
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) - a(n + 1) + 9 a(n), a(0) = 1, a(1) = 12, a(2) = 109\}$$

Sequence: A037582
Score: 12.6910
Type of gen. func.: ogf

$$\frac{3 x + 1}{(x - 1) (10 x - 1) (x + 1)}$$

Sequence: A037582
Score: 5.96585
Type of gen. func.: ogf

$$\{a(n + 3) - 10 a(n + 2) - a(n + 1) + 10 a(n), a(0) = 1, a(1) = 13, a(2) = 131\}$$

Sequence: A037582
Score: 6.01729
Type of gen. func.: ogf

$$-(53346 f(x) + 2935) (10 f(x) x^3 - f(x) x^2 - 10 f(x) x + f(x) - 3 x - 1)$$

Sequence: A037582
Score: 7.75298
Type of gen. func.: lgdogf

$$- \frac{60 x^3 + 27 x^2 - 2 x - 13}{(x - 1) (3 x + 1) (10 x - 1) (x + 1)}$$

Sequence: A037583
Score: 11.8912
Type of gen. func.: ogf

$$\frac{x + 3}{(x - 1) (4 x - 1) (x + 1)}$$

Sequence: A037583
Score: 12.6059
Type of gen. func.: lgdogf

$$- \frac{8 x^3 + 35 x^2 - 6 x - 13}{(x - 1) (4 x - 1) (x + 3) (x + 1)}$$

Sequence: A037583
Score: 5.52836
Type of gen. func.: ogf

{-a(n + 3) + 4 a(n + 2) + a(n + 1) - 4 a(n), a(0) = 3, a(1) = 13, a(2) = 55}

Sequence: A037583
Score: 5.8355
Type of gen. func.: ogf

$$(631 f(x) - 1988) (4 f(x) x^3 - f(x) x^2 - 4 f(x) x + f(x) - x - 3)$$

Sequence: A037584
Score: 11.0866
Type of gen. func.: ogf

$$\frac{x + 3}{(x - 1) (5 x - 1) (x + 1)}$$

Sequence: A037584
Score: 11.2826
Type of gen. func.: lgdogf

$$-\frac{2(5x^3+22x^2-3x-8)}{(x-1)(x+3)(5x-1)(x+1)}$$

Sequence: A037584
Score: 5.15432
Type of gen. func.: ogf

{-a(n + 3) + 5 a(n + 2) + a(n + 1) - 5 a(n), a(0) = 3, a(1) = 16, a(2) = 83}

Sequence: A037584
Score: 5.19994
Type of gen. func.: ogf

$$(133336 f(x) - 301915) (5 f(x) x^3 - f(x) x^2 - 5 f(x) x + f(x) - x - 3)$$

Sequence: A037585
Score: 10.7959
Type of gen. func.: ogf

$$\frac{x+3}{(x-1)(6x-1)(x+1)}$$

Sequence: A037585
Score: 11.2040
Type of gen. func.: lgdogf

$$-\frac{12x^3+53x^2-6x-19}{(x-1)(6x-1)(x+3)(x+1)}$$

Sequence: A037585
Score: 4.97551
Type of gen. func.: ogf

{-a(n + 3) + 6 a(n + 2) + a(n + 1) - 6 a(n), a(0) = 3, a(1) = 19, a(2) = 117}

Sequence: A037585
Score: 5.15482
Type of gen. func.: ogf

$$(21722 f(x) - 38523) (6 f(x) x^3 - f(x) x^2 - 6 f(x) x + f(x) - x - 3)$$

Sequence: A037586
Score: 10.3055
Type of gen. func.: lgdogf

$$- \frac{2 (7 x^3 + 31 x^2 - 3 x - 11)}{(x - 1) (x + 3) (7 x - 1) (x + 1)}$$

Sequence: A037586
Score: 10.3333
Type of gen. func.: ogf

$$\frac{x + 3}{(x - 1) (7 x - 1) (x + 1)}$$

Sequence: A037586
Score: 4.76231
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) + a(n + 1) - 7 a(n), a(0) = 3, a(1) = 22, a(2) = 157\}$$

Sequence: A037586
Score: 4.80408
Type of gen. func.: ogf

$$(774724 f(x) - 1131179) (7 f(x) x^3 - f(x) x^2 - 7 f(x) x + f(x) - x - 3)$$

Sequence: A037587
Score: 4.47379
Type of gen. func.: ogf

$$\{-a(n + 3) + 8 a(n + 2) + a(n + 1) - 8 a(n), a(0) = 3, a(1) = 25, a(2) = 203\}$$

Sequence: A037587
Score: 4.63501
Type of gen. func.: ogf

$$(24127 f(x) - 29968) (8 f(x) x^3 - f(x) x^2 - 8 f(x) x + f(x) - x - 3)$$

Sequence: A037587
Score: 9.70728
Type of gen. func.: ogf

$$\frac{x + 3}{(x - 1) (8 x - 1) (x + 1)}$$

Sequence: A037587
Score: 9.86126
Type of gen. func.: lgdogf

$$- \frac{16 x^3 + 71 x^2 - 6 x - 25}{(x - 1) (8 x - 1) (x + 3) (x + 1)}$$

Sequence: A037588
Score: 4.11431
Type of gen. func.: ogf

$$\{-a(n + 3) + 9 a(n + 2) + a(n + 1) - 9 a(n), a(0) = 3, a(1) = 28, a(2) = 255\}$$

Sequence: A037588
Score: 4.11432
Type of gen. func.: ogf

$$(2829104 f(x) - 3059307) (9 f(x) x^3 - f(x) x^2 - 9 f(x) x + f(x) - x - 3)$$

Sequence: A037588
Score: 8.92728
Type of gen. func.: ogf

$$\frac{x + 3}{}$$

$$(x - 1) (9 x - 1) (x + 1)$$

Sequence: A037588
Score: 9.05516
Type of gen. func.: lgdogf

$$- \frac{2 (9 x^3 + 40 x^2 - 3 x - 14)}{(x - 1) (9 x - 1) (x + 3) (x + 1)}$$

Sequence: A037589
Score: 3.67309
Type of gen. func.: ogf

{-a(n + 3) + 10 a(n + 2) + a(n + 1) - 10 a(n), a(0) = 3, a(1) = 31, a(2) = 313}

Sequence: A037589
Score: 3.73697
Type of gen. func.: ogf

$$(303346 f(x) - 290555) (10 f(x) x^3 - f(x) x^2 - 10 f(x) x + f(x) - x - 3)$$

Sequence: A037589
Score: 7.81365
Type of gen. func.: ogf

$$\frac{x + 3}{(x - 1) (10 x - 1) (x + 1)}$$

Sequence: A037589
Score: 8.05117
Type of gen. func.: lgdogf

$$- \frac{20 x^3 + 89 x^2 - 6 x - 31}{(x - 1) (10 x - 1) (x + 3) (x + 1)}$$

Sequence: A037590

Score: 11.5413
Type of gen. func.: ogf

$$\frac{3 x^2 + 1}{(4 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037590
Score: 5.7205
Type of gen. func.: ogf

$$(31019 f(x) + 16232) (4 f(x) x^4 - f(x) x^3 - 4 f(x) x - 3 x^2 + f(x) - 1)$$

Sequence: A037590
Score: 9.21634
Type of gen. func.: lgdogf

$$- \frac{24 x^5 - 3 x^4 + 16 x^3 + 9 x^2 - 6 x - 4}{(x - 1) (4 x - 1) (x^2 + x + 1) (3 x^2 + 1)}$$

Sequence: A037591
Score: 10.7915
Type of gen. func.: ogf

$$\frac{3 x^2 + 1}{(x - 1) (5 x - 1) (x^2 + x + 1)}$$

Sequence: A037591
Score: 5.39577
Type of gen. func.: ogf

$$(16502 f(x) + 5435) (5 f(x) x^4 - f(x) x^3 - 5 f(x) x - 3 x^2 + f(x) - 1)$$

Sequence: A037591
Score: 8.61075
Type of gen. func.: lgdogf

$$-\frac{30x^5-3x^4+20x^3+12x^2-6x-5}{(x-1)(5x-1)(x^2+x+1)(3x^2+1)}$$

Sequence: A037592
Score: 10.6291
Type of gen. func.: ogf

$$\frac{3x^2+1}{(x-1)(6x-1)(x^2+x+1)}$$

Sequence: A037592
Score: 5.17829
Type of gen. func.: ogf

$$(690212 f(x) + 155943)(6 f(x) x^4 - f(x) x^3 - 6 f(x) x - 3 x^2 + f(x) - 1)$$

Sequence: A037592
Score: 8.73061
Type of gen. func.: lgdogf

$$-\frac{3(12x^5-x^4+8x^3+5x^2-2x-2)}{(x-1)(6x-1)(x^2+x+1)(3x^2+1)}$$

Sequence: A037593
Score: 4.57163
Type of gen. func.: ogf

$$(26885 f(x) + 4424)(7 f(x) x^4 - f(x) x^3 - 7 f(x) x - 3 x^2 + f(x) - 1)$$

Sequence: A037593
Score: 7.27697
Type of gen. func.: lgdogf

$$-\frac{42 x^5 - 3 x^4 + 28 x^3 + 18 x^2 - 6 x - 7}{(x - 1) (7 x - 1) (x^2 + x + 1) (3 x^2 + 1)}$$

Sequence: A037593
Score: 9.14326
Type of gen. func.: ogf

$$\frac{3 x^2 + 1}{(x - 1) (7 x - 1) (x^2 + x + 1)}$$

Sequence: A037594
Score: 4.08052
Type of gen. func.: ogf

$$(9901873 f(x) + 1239856) (8 f(x) x^4 - f(x) x^3 - 8 f(x) x - 3 x^2 + f(x) - 1)$$

Sequence: A037594
Score: 6.77172
Type of gen. func.: lgdogf

$$-\frac{48 x^5 - 3 x^4 + 32 x^3 + 21 x^2 - 6 x - 8}{(x - 1) (8 x - 1) (x^2 + x + 1) (3 x^2 + 1)}$$

Sequence: A037594
Score: 8.51898
Type of gen. func.: ogf

$$\frac{3 x^2 + 1}{(x - 1) (8 x - 1) (x^2 + x + 1)}$$

Sequence: A037595
Score: 3.70679
Type of gen. func.: ogf

$$(44712584 f(x) + 4404807) (9 f(x) x^4 - f(x) x^3 - 9 f(x) x - 3 x^2 + f(x) - 1)$$

Sequence: A037595
Score: 6.10537
Type of gen. func.: lgdogf

$$-\frac{3 (-1 + 2 x) (9 x^4 + 4 x^3 + 8 x^2 + 8 x + 3)}{(x - 1) (9 x - 1) (x^2 + x + 1) (3 x^2 + 1)}$$

Sequence: A037595
Score: 7.80375
Type of gen. func.: ogf

$$\frac{3 x^2 + 1}{(x - 1) (9 x - 1) (x^2 + x + 1)}$$

Sequence: A037596
Score: 3.58126
Type of gen. func.: ogf

$$(7740154 f(x) + 615865) (10 f(x) x^4 - f(x) x^3 - 10 f(x) x - 3 x^2 + f(x) - 1)$$

Sequence: A037596
Score: 5.73508
Type of gen. func.: lgdogf

$$-\frac{60 x^5 - 3 x^4 + 40 x^3 + 27 x^2 - 6 x - 10}{(10 x - 1) (x - 1) (x^2 + x + 1) (3 x^2 + 1)}$$

Sequence: A037596
Score: 7.28392
Type of gen. func.: ogf

2

$$\frac{3 x + 1}{(10 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037597
Score: 10.5617
Type of gen. func.: lgdogf

$$- \frac{36 x^4 + 10 x^3 - 3 x^2 - 7}{(3 x + 1) (4 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037597
Score: 11.5954
Type of gen. func.: ogf

$$\frac{3 x + 1}{(4 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037597
Score: 5.39085
Type of gen. func.: ogf

$$-(19579 f(x) + 9008) (4 f(x) x^4 - f(x) x^3 - 4 f(x) x + f(x) - 3 x - 1)$$

Sequence: A037598
Score: 10.7373
Type of gen. func.: lgdogf

$$- \frac{45 x^4 + 14 x^3 - 3 x^2 - 8}{(5 x - 1) (3 x + 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037598
Score: 11.7809
Type of gen. func.: ogf

$$3 x + 1$$

$$\overline{(x - 1) (5 x - 1) (x^2 + x + 1)}$$

Sequence: A037598
Score: 5.24698
Type of gen. func.: ogf

$$-(3911284 f(x) + 1021525) (5 f(x) x^4 - f(x) x^3 - 5 f(x) x + f(x) - 3 x - 1)$$

Sequence: A037599
Score: 10.7102
Type of gen. func.: lgdogf

$$- \frac{3 (18 x^4 + 6 x^3 - x^2 - 3)}{(3 x + 1) (6 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037599
Score: 11.5462
Type of gen. func.: ogf

$$\frac{3 x + 1}{(x - 1) (6 x - 1) (x^2 + x + 1)}$$

Sequence: A037599
Score: 5.23033
Type of gen. func.: ogf

$$-(800869 f(x) + 142776) (6 f(x) x^4 - f(x) x^3 - 6 f(x) x + f(x) - 3 x - 1)$$

Sequence: A037600
Score: 4.54357
Type of gen. func.: ogf

$$-(240334 f(x) + 32879) (7 f(x) x^4 - f(x) x^3 - 7 f(x) x + f(x) - 3 x - 1)$$

Sequence: A037600
Score: 8.88409
Type of gen. func.: lgdogf

$$-\frac{63x^4+22x^3-3x^2-10}{(7x-1)(3x+1)(x-1)(x^2+x+1)}$$

Sequence: A037600
Score: 9.94443
Type of gen. func.: ogf

$$\frac{3x+1}{(x-1)(7x-1)(x^2+x+1)}$$

Sequence: A037601
Score: 4.16409
Type of gen. func.: ogf

$$-(5349937 f(x) + 603712) (8 f(x) x^4 - f(x) x^3 - 8 f(x) x + f(x) - 3 x - 1)$$

Sequence: A037601
Score: 8.27244
Type of gen. func.: lgdogf

$$-\frac{72x^4+26x^3-3x^2-11}{(3x+1)(8x-1)(x-1)(x^2+x+1)}$$

Sequence: A037601
Score: 9.27100
Type of gen. func.: ogf

$$\frac{3x+1}{(x-1)(8x-1)(x^2+x+1)}$$

Sequence: A037602
Score: 3.69247
Type of gen. func.: ogf

$$-(187639552 f(x) + 18269469) (9 f(x) x^4 - f(x) x^3 - 9 f(x) x + f(x) - 3 x - 1)$$

Sequence: A037602
Score: 7.57151
Type of gen. func.: lgdogf

$$-\frac{3 (27 x^4 + 10 x^3 - x^2 - 4)}{(3 x + 1) (9 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037602
Score: 8.49962
Type of gen. func.: ogf

$$\frac{3 x + 1}{(x - 1) (9 x - 1) (x^2 + x + 1)}$$

Sequence: A037603
Score: 3.58126
Type of gen. func.: ogf

$$-(7912183 f(x) + 684200) (10 f(x) x^4 - f(x) x^3 - 10 f(x) x + f(x) - 3 x - 1)$$

Sequence: A037603
Score: 6.97768
Type of gen. func.: lgdogf

$$-\frac{90 x^4 + 34 x^3 - 3 x^2 - 13}{(10 x - 1) (3 x + 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037603
Score: 7.81365

Type of gen. func.: ogf

$$\frac{3 x + 1}{(10 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037604
Score: 10.0747
Type of gen. func.: ogf

$$\frac{3 x^2 + 2 x + 1}{(4 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037604
Score: 4.9964
Type of gen. func.: ogf

$$-(105309 f(x) - 9064) (4 f(x) x^4 - f(x) x^3 - 4 f(x) x - 3 x^2 + f(x) - 2 x - 1)$$

Sequence: A037604
Score: 8.24677
Type of gen. func.: lgdogf

$$- \frac{3 (8 x^5 + 7 x^4 + 4 x^3 + 3 x^2 - 2 x - 2)}{(4 x - 1) (x - 1) (x^2 + x + 1) (3 x^2 + 2 x + 1)}$$

Sequence: A037605
Score: 10.1852
Type of gen. func.: ogf

$$\frac{3 x^2 + 2 x + 1}{(x - 1) (5 x - 1) (x^2 + x + 1)}$$

Sequence: A037605
Score: 5.09262

Type of gen. func.: ogf

$$(2003331 f(x) - 234920)$$

$$(5 f(x) x^4 - f(x) x^3 - 5 f(x) x - 3 x^2 + f(x) - 2 x - 1)$$

Sequence: A037605
Score: 8.11913
Type of gen. func.: lgdogf

$$- \frac{30 x^5 + 27 x^4 + 16 x^3 + 12 x^2 - 6 x - 7}{(5 x - 1) (x - 1) (x^2 + x + 1) (3 x^2 + 2 x + 1)}$$

Sequence: A037606
Score: 10.0320
Type of gen. func.: ogf

$$\frac{3 x^2 + 2 x + 1}{(x - 1) (6 x - 1) (x^2 + x + 1)}$$

Sequence: A037606
Score: 5.18601
Type of gen. func.: ogf

$$(15185 f(x) - 1908) (6 f(x) x^4 - f(x) x^3 - 6 f(x) x - 3 x^2 + f(x) - 2 x - 1)$$

Sequence: A037606
Score: 7.99694
Type of gen. func.: lgdogf

$$- \frac{36 x^5 + 33 x^4 + 20 x^3 + 15 x^2 - 6 x - 8}{(6 x - 1) (x - 1) (x^2 + x + 1) (3 x^2 + 2 x + 1)}$$

Sequence: A037607
Score: 4.22669

Type of gen. func.: ogf

$$(16169787 f(x) - 2027354)$$

$$(7 f(x) x^4 - f(x) x^3 - 7 f(x) x - 3 x^2 + f(x) - 2 x - 1)$$

Sequence: A037607
Score: 6.83110
Type of gen. func.: lgdogf

$$- \frac{3 (14 x^5 + 13 x^4 + 8 x^3 + 6 x^2 - 2 x - 3)}{(7 x - 1) (x - 1) (x^2 + x + 1) (3 x^2 + 2 x + 1)}$$

Sequence: A037607
Score: 8.59197
Type of gen. func.: ogf

$$\frac{3 x^2 + 2 x + 1}{(x - 1) (7 x - 1) (x^2 + x + 1)}$$

Sequence: A037608
Score: 11.3296
Type of gen. func.: ogf

$$\frac{3 x^2 + 2 x + 1}{(x - 1) (8 x - 1) (x^2 + x + 1)}$$

Sequence: A037608
Score: 5.66481
Type of gen. func.: ogf

$$(1643991 f(x) - 199984)$$

$$(8 f(x) x^4 - f(x) x^3 - 8 f(x) x - 3 x^2 + f(x) - 2 x - 1)$$

Sequence: A037608
Score: 6.31318
Type of gen. func.: lgdogf

$$-\frac{48 x^5 + 45 x^4 + 28 x^3 + 21 x^2 - 6 x - 10}{(8 x - 1) (x - 1) (x^2 + x + 1) (3 x^2 + 2 x + 1)}$$

Sequence: A037609
Score: 3.75401
Type of gen. func.: ogf

$$(199163 f(x) - 23220) (9 f(x) x^4 - f(x) x^3 - 9 f(x) x - 3 x^2 + f(x) - 2 x - 1)$$

Sequence: A037609
Score: 5.70321
Type of gen. func.: lgdogf

$$-\frac{54 x^5 + 51 x^4 + 32 x^3 + 24 x^2 - 6 x - 11}{(9 x - 1) (x - 1) (x^2 + x + 1) (3 x^2 + 2 x + 1)}$$

Sequence: A037609
Score: 7.38492
Type of gen. func.: ogf

$$\frac{3 x^2 + 2 x + 1}{(x - 1) (9 x - 1) (x^2 + x + 1)}$$

Sequence: A037610
Score: 5.28792
Type of gen. func.: ogf

$$-(159808581 f(x) - 17762540)$$

$$(10 f(x) x^4 - f(x) x^3 - 10 f(x) x - 3 x^2 + f(x) - 2 x - 1)$$

Sequence: A037610
Score: 5.36745
Type of gen. func.: lgdogf

$$-\frac{3\,(20\,x^{5}+19\,x^{4}+12\,x^{3}+9\,x^{2}-2\,x-4)}{(10\,x-1)\,(x-1)\,(x^{2}+x+1)\,(3\,x^{2}+2\,x+1)}$$

Sequence: A037610
Score: 6.82144
Type of gen. func.: ogf

$$\frac{3\,x^{2}+2\,x+1}{(10\,x-1)\,(x-1)\,(x^{2}+x+1)}$$

Sequence: A037611
Score: 10.0747
Type of gen. func.: ogf

$$\frac{(x+1)\,(2\,x+1)}{(4\,x-1)\,(x-1)\,(x^{2}+x+1)}$$

Sequence: A037611
Score: 5.07898
Type of gen. func.: ogf

$$(831087\,f(x)+398176)\,(4\,f(x)\,x^{4}-f(x)\,x^{3}-4\,f(x)\,x-2\,x^{2}+f(x)-3\,x-1)$$

Sequence: A037611
Score: 8.13533
Type of gen. func.: lgdogf

$$-\frac{16\,x^{5}+34\,x^{4}+10\,x^{3}+5\,x^{2}-4\,x-7}{(x-1)\,(4\,x-1)\,(2\,x+1)\,(x+1)\,(x^{2}+x+1)}$$

Sequence: A037612
Score: 10.2866
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x + 1)}{(x - 1) (5 x - 1) (x^2 + x + 1)}$$

Sequence: A037612
Score: 5.14329
Type of gen. func.: ogf

$$(1472964 f(x) + 600055)$$

$$(5 f(x) x^4 - f(x) x^3 - 5 f(x) x - 2 x^2 + f(x) - 3 x - 1)$$

Sequence: A037612
Score: 8.31239
Type of gen. func.: lgdogf

$$- \frac{20 x^5 + 43 x^4 + 14 x^3 + 7 x^2 - 4 x - 8}{(x - 1) (2 x + 1) (5 x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A037613
Score: 10.0320
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x + 1)}{(x - 1) (6 x - 1) (x^2 + x + 1)}$$

Sequence: A037613
Score: 5.09958
Type of gen. func.: ogf

$$(128999 f(x) + 45316) (6 f(x) x^4 - f(x) x^3 - 6 f(x) x - 2 x^2 + f(x) - 3 x - 1)$$

Sequence: A037613
Score: 8.10501

Type of gen. func.: lgdogf

$$-\frac{24x^5+52x^4+18x^3+9x^2-4x-9}{(x-1)(6x-1)(2x+1)(x+1)(x^2+x+1)}$$

Sequence: A037614
Score: 4.18297
Type of gen. func.: ogf

$$(111693510 f(x) + 34369279)$$

$$(7 f(x) x^4 - f(x) x^3 - 7 f(x) x - 2 x^2 + f(x) - 3 x - 1)$$

Sequence: A037614
Score: 6.77996
Type of gen. func.: lgdogf

$$-\frac{28x^5+61x^4+22x^3+11x^2-4x-10}{(x-1)(2x+1)(7x-1)(x+1)(x^2+x+1)}$$

Sequence: A037614
Score: 8.64025
Type of gen. func.: ogf

$$\frac{(x+1)(2x+1)}{(x-1)(7x-1)(x^2+x+1)}$$

Sequence: A037615
Score: 11.3296
Type of gen. func.: ogf

$$\frac{(x+1)(2x+1)}{(x-1)(8x-1)(x^2+x+1)}$$

Sequence: A037615

Score: 5.71162
Type of gen. func.: ogf

$$(814591 f(x) + 222624) (8 f(x) x^4 - f(x) x^3 - 8 f(x) x - 2 x^2 + f(x) - 3 x - 1)$$

Sequence: A037615
Score: 8.93326
Type of gen. func.: lgdogf

$$-\frac{32 x^5 + 70 x^4 + 26 x^3 + 13 x^2 - 4 x - 11}{(x - 1) (2 x + 1) (8 x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A037616
Score: 11.8287
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x + 1)}{(x - 1) (9 x - 1) (x^2 + x + 1)}$$

Sequence: A037616
Score: 5.86627
Type of gen. func.: ogf

$$(6999368 f(x) + 1718919)$$

$$(9 f(x) x^4 - f(x) x^3 - 9 f(x) x - 2 x^2 + f(x) - 3 x - 1)$$

Sequence: A037616
Score: 9.21264
Type of gen. func.: lgdogf

$$-\frac{36 x^5 + 79 x^4 + 30 x^3 + 15 x^2 - 4 x - 12}{(x - 1) (9 x - 1) (2 x + 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A037617
Score: 3.25569

Type of gen. func.: ogf

$$-(282158919 f(x) + 62879860)$$

$$(10 f(x) x^4 - f(x) x^3 - 10 f(x) x - 2 x^2 + f(x) - 3 x - 1)$$

Sequence: A037617
Score: 5.36745
Type of gen. func.: lgdogf

$$-\frac{40 x^5 + 88 x^4 + 34 x^3 + 17 x^2 - 4 x - 13}{(x - 1) (2 x + 1) (10 x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A037617
Score: 6.82144
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x + 1)}{(10 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037618
Score: 10.7817
Type of gen. func.: ogf

$$\frac{3 x^2 + 2}{(4 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037618
Score: 5.34397
Type of gen. func.: ogf

$$(17787 f(x) + 71560) (4 f(x) x^4 - f(x) x^3 - 4 f(x) x - 3 x^2 + f(x) - 2)$$

Sequence: A037618
Score: 8.72484
Type of gen. func.: lgdogf

$$-\frac{24 x^5 - 3 x^4 + 32 x^3 + 6 x^2 - 6 x - 8}{(4 x - 1) (x - 1) (x^2 + x + 1) (3 x^2 + 2)}$$

Sequence: A037619
Score: 11.1711
Type of gen. func.: ogf

$$\frac{3 x^2 + 2}{(x - 1) (5 x - 1) (x^2 + x + 1)}$$

Sequence: A037619
Score: 5.68531
Type of gen. func.: ogf

$$(887 f(x) + 2185) (5 f(x) x^4 - f(x) x^3 - 5 f(x) x - 3 x^2 + f(x) - 2)$$

Sequence: A037619
Score: 8.91986
Type of gen. func.: lgdogf

$$-\frac{30 x^5 - 3 x^4 + 40 x^3 + 9 x^2 - 6 x - 10}{(5 x - 1) (x - 1) (x^2 + x + 1) (3 x^2 + 2)}$$

Sequence: A037620
Score: 10.8962
Type of gen. func.: ogf

$$\frac{3 x^2 + 2}{(x - 1) (6 x - 1) (x^2 + x + 1)}$$

Sequence: A037620
Score: 5.13291

Type of gen. func.: ogf

$$(25226785 f(x) + 42160644) (6 f(x) x^4 - f(x) x^3 - 6 f(x) x - 3 x^2 + f(x) - 2)$$

Sequence: A037620
Score: 8.69863
Type of gen. func.: lgdogf

$$-\frac{3 (12 x^5 - x^4 + 16 x^3 + 4 x^2 - 2 x - 4)}{(x - 1) (6 x - 1) (x^2 + x + 1) (3 x^2 + 2)}$$

Sequence: A037621
Score: 4.58024
Type of gen. func.: ogf

$$(263322 f(x) + 320831) (7 f(x) x^4 - f(x) x^3 - 7 f(x) x - 3 x^2 + f(x) - 2)$$

Sequence: A037621
Score: 7.38184
Type of gen. func.: lgdogf

$$-\frac{42 x^5 - 3 x^4 + 56 x^3 + 15 x^2 - 6 x - 14}{(x - 1) (7 x - 1) (x^2 + x + 1) (3 x^2 + 2)}$$

Sequence: A037621
Score: 9.40154
Type of gen. func.: ogf

$$\frac{3 x^2 + 2}{(x - 1) (7 x - 1) (x^2 + x + 1)}$$

Sequence: A037622
Score: 12.3383
Type of gen. func.: ogf

$$\frac{3 x^{2} + 2}{(x - 1) (8 x - 1) (x^{2} + x + 1)}$$

Sequence: A037622
Score: 5.71776
Type of gen. func.: ogf

$$(204134089 f(x) + 190936496) (8 f(x) x^{4} - f(x) x^{3} - 8 f(x) x - 3 x^{2} + f(x) - 2)$$

Sequence: A037622
Score: 9.73389
Type of gen. func.: lgdogf

$$- \frac{48 x^{5} - 3 x^{4} + 64 x^{3} + 18 x^{2} - 6 x - 16}{(8 x - 1) (x - 1) (x^{2} + x + 1) (3 x^{2} + 2)}$$

Sequence: A037623
Score: 3.88079
Type of gen. func.: ogf

$$(9583823 f(x) + 7151355) (9 f(x) x^{4} - f(x) x^{3} - 9 f(x) x - 3 x^{2} + f(x) - 2)$$

Sequence: A037623
Score: 6.43543
Type of gen. func.: lgdogf

$$- \frac{3 (18 x^{5} - x^{4} + 24 x^{3} + 7 x^{2} - 2 x - 6)}{(x - 1) (9 x - 1) (x^{2} + x + 1) (3 x^{2} + 2)}$$

Sequence: A037623
Score: 8.10198
Type of gen. func.: ogf

2

$$\frac{3 x + 2}{(x - 1) (9 x - 1) (x^{2} + x + 1)}$$

Sequence: A037624
Score: 11.8306
Type of gen. func.: ogf

$$\frac{3 x^{2} + 2}{(10 x - 1) (x - 1) (x^{2} + x + 1)}$$

Sequence: A037624
Score: 5.73508
Type of gen. func.: lgdogf

$$- \frac{60 x^{5} - 3 x^{4} + 80 x^{3} + 24 x^{2} - 6 x - 20}{(10 x - 1) (x - 1) (x^{2} + x + 1) (3 x^{2} + 2)}$$

Sequence: A037624
Score: 5.86559
Type of gen. func.: ogf

$$(279267 f(x) + 171220) (10 f(x) x^{4} - f(x) x^{3} - 10 f(x) x - 3 x^{2} + f(x) - 2)$$

Sequence: A037625
Score: 10.6499
Type of gen. func.: lgdogf

$$- \frac{36 x^{4} + 26 x^{3} - 6 x^{2} - 11}{(x - 1) (3 x + 2) (4 x - 1) (x^{2} + x + 1)}$$

Sequence: A037625
Score: 11.8912
Type of gen. func.: ogf

$$\frac{3 x + 2}{(4 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037625
Score: 5.29609
Type of gen. func.: ogf

$$-(3652867 f(x) + 1207216) (4 f(x) x^4 - f(x) x^3 - 4 f(x) x + f(x) - 3 x - 2)$$

Sequence: A037626
Score: 10.8186
Type of gen. func.: lgdogf

$$-\frac{45 x^4 + 34 x^3 - 6 x^2 - 13}{(x - 1) (3 x + 2) (5 x - 1) (x^2 + x + 1)}$$

Sequence: A037626
Score: 12.0725
Type of gen. func.: ogf

$$\frac{3 x + 2}{(x - 1) (5 x - 1) (x^2 + x + 1)}$$

Sequence: A037626
Score: 5.42242
Type of gen. func.: ogf

$$-(1936174 f(x) + 490025) (5 f(x) x^4 - f(x) x^3 - 5 f(x) x + f(x) - 3 x - 2)$$

Sequence: A037627
Score: 10.6829
Type of gen. func.: ogf

$$\frac{3 x + 2}{(x - 1) (6 x - 1) (x^2 + x + 1)}$$

Sequence: A037627
Score: 4.64093
Type of gen. func.: ogf

$$-(164494945 f(x) + 34613028) (6 f(x) x^4 - f(x) x^3 - 6 f(x) x + f(x) - 3 x - 2)$$

Sequence: A037628
Score: 10.1667
Type of gen. func.: ogf

$$\frac{3 x + 2}{(x - 1) (7 x - 1) (x^2 + x + 1)}$$

Sequence: A037628
Score: 4.56638
Type of gen. func.: ogf

$$-(3165784 f(x) + 577171) (7 f(x) x^4 - f(x) x^3 - 7 f(x) x + f(x) - 3 x - 2)$$

Sequence: A037628
Score: 9.08715
Type of gen. func.: lgdogf

$$- \frac{63 x^4 + 50 x^3 - 6 x^2 - 17}{(x - 1) (3 x + 2) (7 x - 1) (x^2 + x + 1)}$$

Sequence: A037629
Score: 4.07915
Type of gen. func.: ogf

$$-(1149867721 f(x) + 186078272)$$

$$(8 f(x) x^4 - f(x) x^3 - 8 f(x) x + f(x) - 3 x - 2)$$

Sequence: A037629
Score: 8.52161
Type of gen. func.: lgdogf

$$-\frac{72 x^4 + 58 x^3 - 6 x^2 - 19}{(x - 1) (3 x + 2) (8 x - 1) (x^2 + x + 1)}$$

Sequence: A037629
Score: 9.54368
Type of gen. func.: ogf

$$\frac{3 x + 2}{(x - 1) (8 x - 1) (x^2 + x + 1)}$$

Sequence: A037630
Score: 3.77
Type of gen. func.: ogf

$$-(2560314106 f(x) + 373668633)$$

$$(9 f(x) x^4 - f(x) x^3 - 9 f(x) x + f(x) - 3 x - 2)$$

Sequence: A037630
Score: 7.60245
Type of gen. func.: lgdogf

$$-\frac{3 (27 x^4 + 22 x^3 - 2 x^2 - 7)}{(x - 1) (3 x + 2) (9 x - 1) (x^2 + x + 1)}$$

Sequence: A037630
Score: 8.82038
Type of gen. func.: ogf

$$\frac{3 x + 2}{(x - 1) (9 x - 1) (x^2 + x + 1)}$$

Sequence: A037631
Score: 3.52255
Type of gen. func.: ogf

$$-(69989683 f(x) + 9318700) (10 f(x) x^4 - f(x) x^3 - 10 f(x) x + f(x) - 3 x - 2)$$

Sequence: A037631
Score: 6.97768
Type of gen. func.: lgdogf

$$-\frac{90 x^4 + 74 x^3 - 6 x^2 - 23}{(x - 1) (3 x + 2) (10 x - 1) (x^2 + x + 1)}$$

Sequence: A037631
Score: 7.81365
Type of gen. func.: ogf

$$\frac{3 x + 2}{(10 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037632
Score: 10.2803
Type of gen. func.: ogf

$$\frac{3 x^2 + x + 2}{(4 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037632
Score: 5.18264
Type of gen. func.: ogf

$$(597969 f(x) + 120584) (4 f(x) x^4 - f(x) x^3 - 4 f(x) x - 3 x^2 + f(x) - x - 2)$$

Sequence: A037632

Score: 8.53550
Type of gen. func.: lgdogf

$$-\frac{3\,(8x^5+3x^4+10x^3+2x^2-2x-3)}{(x-1)(4x-1)(x^2+x+1)(3x^2+x+2)}$$

Sequence: A037633
Score: 10.4386
Type of gen. func.: ogf

$$\frac{3x^2+x+2}{(x-1)(5x-1)(x^2+x+1)}$$

Sequence: A037633
Score: 5.17687
Type of gen. func.: ogf

$$(11343324\,f(x)+473645)\,(5\,f(x)\,x^4-f(x)\,x^3-5\,f(x)\,x-3x^2+f(x)-x-2)$$

Sequence: A037633
Score: 8.55329
Type of gen. func.: lgdogf

$$-\frac{30x^5+12x^4+38x^3+9x^2-6x-11}{(5x-1)(x-1)(x^2+x+1)(3x^2+x+2)}$$

Sequence: A037634
Score: 4.75793
Type of gen. func.: ogf

$$(125605\,f(x)-2988)\,(6\,f(x)\,x^4-f(x)\,x^3-6\,f(x)\,x-3x^2+f(x)-x-2)$$

Sequence: A037634
Score: 9.28185
Type of gen. func.: ogf

$$\frac{3 x^2 + x + 2}{(x - 1) (6 x - 1) (x^2 + x + 1)}$$

Sequence: A037635
Score: 4.31066
Type of gen. func.: ogf

$$(120127842 f(x) - 6384763)$$

$$(7 f(x) x^4 - f(x) x^3 - 7 f(x) x - 3 x^2 + f(x) - x - 2)$$

Sequence: A037635
Score: 7.21993
Type of gen. func.: lgdogf

$$- \frac{3 (14 x^5 + 6 x^4 + 18 x^3 + 5 x^2 - 2 x - 5)}{(7 x - 1) (x - 1) (x^2 + x + 1) (3 x^2 + x + 2)}$$

Sequence: A037635
Score: 8.83333
Type of gen. func.: ogf

$$\frac{3 x^2 + x + 2}{(x - 1) (7 x - 1) (x^2 + x + 1)}$$

Sequence: A037636
Score: 4.05584
Type of gen. func.: ogf

$$(76777041 f(x) - 5111824)$$

$$(8 f(x) x^4 - f(x) x^3 - 8 f(x) x - 3 x^2 + f(x) - x - 2)$$

Sequence: A037636

Score: 6.64004
Type of gen. func.: lgdogf

$$-\frac{48 x^5 + 21 x^4 + 62 x^3 + 18 x^2 - 6 x - 17}{(8 x - 1) (x - 1) (x^2 + x + 1) (3 x^2 + x + 2)}$$

Sequence: A037636
Score: 8.24466
Type of gen. func.: ogf

$$\frac{3 x^2 + x + 2}{(x - 1) (8 x - 1) (x^2 + x + 1)}$$

Sequence: A037637
Score: 3.80858
Type of gen. func.: ogf

$$(8680936 f(x) - 627939) (9 f(x) x^4 - f(x) x^3 - 9 f(x) x - 3 x^2 + f(x) - x - 2)$$

Sequence: A037637
Score: 6.04418
Type of gen. func.: lgdogf

$$-\frac{54 x^5 + 24 x^4 + 70 x^3 + 21 x^2 - 6 x - 19}{(9 x - 1) (x - 1) (x^2 + x + 1) (3 x^2 + x + 2)}$$

Sequence: A037637
Score: 7.61715
Type of gen. func.: ogf

$$\frac{3 x^2 + x + 2}{(x - 1) (9 x - 1) (x^2 + x + 1)}$$

Sequence: A037638
Score: 3.35743
Type of gen. func.: ogf

$$(368878581 f(x) - 27360340)$$

$$(10 f(x) x^4 - f(x) x^3 - 10 f(x) x - 3 x^2 + f(x) - x - 2)$$

Sequence: A037638
Score: 5.58215
Type of gen. func.: lgdogf

$$- \frac{3 (20 x^5 + 9 x^4 + 26 x^3 + 8 x^2 - 2 x - 7)}{(10 x - 1) (x - 1) (x^2 + x + 1) (3 x^2 + x + 2)}$$

Sequence: A037638
Score: 6.82144
Type of gen. func.: ogf

$$\frac{3 x^2 + x + 2}{(10 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037639
Score: 10.3317
Type of gen. func.: ogf

$$\frac{(x + 2) (x + 1)}{(4 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037639
Score: 5.20855
Type of gen. func.: ogf

$$(796113 f(x) - 427304) (4 f(x) x^4 - f(x) x^3 - 4 f(x) x - x^2 + f(x) - 3 x - 2)$$

Sequence: A037639

Score: 8.57905
Type of gen. func.: lgdogf

$$-\frac{8 x^5 + 35 x^4 + 26 x^3 - 2 x^2 - 2 x - 11}{(x - 1) (4 x - 1) (x + 2) (x + 1) (x^2 + x + 1)}$$

Sequence: A037640
Score: 4.76642
Type of gen. func.: ogf

$$(1632036 f(x) - 633665) (5 f(x) x^4 - f(x) x^3 - 5 f(x) x - x^2 + f(x) - 3 x - 2)$$

Sequence: A037640
Score: 8.01867
Type of gen. func.: lgdogf

$$-\frac{10 x^5 + 44 x^4 + 34 x^3 - x^2 - 2 x - 13}{(x - 1) (5 x - 1) (x + 2) (x + 1) (x^2 + x + 1)}$$

Sequence: A037640
Score: 9.53284
Type of gen. func.: ogf

$$\frac{(x + 2) (x + 1)}{(x - 1) (5 x - 1) (x^2 + x + 1)}$$

Sequence: A037641
Score: 4.71828
Type of gen. func.: ogf

$$(158533 f(x) - 46916) (6 f(x) x^4 - f(x) x^3 - 6 f(x) x - x^2 + f(x) - 3 x - 2)$$

Sequence: A037641
Score: 9.28185
Type of gen. func.: ogf

$$\frac{(x + 2) (x + 1)}{(x - 1) (6 x - 1) (x^2 + x + 1)}$$

Sequence: A037642
Score: 4.27645
Type of gen. func.: ogf

$$(148305978 f(x) - 34875281)$$

$$(7 f(x) x^4 - f(x) x^3 - 7 f(x) x - x^2 + f(x) - 3 x - 2)$$

Sequence: A037642
Score: 7.42331
Type of gen. func.: lgdogf

$$- \frac{14 x^5 + 62 x^4 + 50 x^3 + x^2 - 2 x - 17}{(x - 1) (7 x - 1) (x + 2) (x + 1) (x^2 + x + 1)}$$

Sequence: A037642
Score: 8.83333
Type of gen. func.: ogf

$$\frac{(x + 2) (x + 1)}{(x - 1) (7 x - 1) (x^2 + x + 1)}$$

Sequence: A037643
Score: 4.25055
Type of gen. func.: ogf

$$(60443 f(x) - 11664) (8 f(x) x^4 - f(x) x^3 - 8 f(x) x - x^2 + f(x) - 3 x - 2)$$

Sequence: A037643
Score: 6.77059
Type of gen. func.: lgdogf

5 4 3 2

$$-\frac{16 x + 71 x + 58 x + 2 x - 2 x - 19}{(x - 1) (8 x - 1) (x + 2) (x + 1) (x^2 + x + 1)}$$

Sequence: A037643
Score: 8.29205
Type of gen. func.: ogf

$$\frac{(x + 2) (x + 1)}{(x - 1) (8 x - 1) (x^2 + x + 1)}$$

Sequence: A037644
Score: 10.9025
Type of gen. func.: ogf

$$\frac{(x + 2) (x + 1)}{(x - 1) (9 x - 1) (x^2 + x + 1)}$$

Sequence: A037644
Score: 5.36333
Type of gen. func.: ogf

$$(10350832 f(x) - 1680921)$$

$$(9 f(x) x^4 - f(x) x^3 - 9 f(x) x - x^2 + f(x) - 3 x - 2)$$

Sequence: A037644
Score: 8.82526
Type of gen. func.: lgdogf

$$-\frac{18 x^5 + 80 x^4 + 66 x^3 + 3 x^2 - 2 x - 21}{(x - 1) (9 x - 1) (x + 2) (x + 1) (x^2 + x + 1)}$$

Sequence: A037645
Score: 3.35743
Type of gen. func.: ogf

```
(433858581 f(x) - 60489980)

              4         3                2
    (10 f(x) x  - f(x) x  - 10 f(x) x - x  + f(x) - 3 x - 2)
```

Sequence: A037645
Score: 5.58215
Type of gen. func.: lgdogf

```
                         5       4       3      2
                     20 x  + 89 x  + 74 x  + 4 x  - 2 x - 23
               - -----------------------------------------------
                                                     2
                 (x - 1) (10 x - 1) (x + 2) (x + 1) (x  + x + 1)
```

Sequence: A037645
Score: 6.82144
Type of gen. func.: ogf

```
                                (x + 2) (x + 1)
                        -------------------------------
                                             2
                        (10 x - 1) (x - 1) (x  + x + 1)
```

Sequence: A037646
Score: 11.0567
Type of gen. func.: ogf

```
                                      2
                                     x  + 3
                         ------------------------------
                                             2
                         (4 x - 1) (x - 1) (x  + x + 1)
```

Sequence: A037646
Score: 5.4803
Type of gen. func.: ogf

```
                                   4         3               2
     (10955 f(x) - 42376) (4 f(x) x  - f(x) x  - 4 f(x) x - x  + f(x) - 3)
```

Sequence: A037646
Score: 9.50295
Type of gen. func.: lgdogf

```
                          5    4       3      2
```

$$-\frac{8 x - x + 48 x - 5 x - 2 x - 12}{(x - 1) (4 x - 1) (x^2 + x + 1) (x^2 + 3)}$$

Sequence: A037647
Score: 10.2018
Type of gen. func.: ogf

$$\frac{x^2 + 3}{(x - 1) (5 x - 1) (x^2 + x + 1)}$$

Sequence: A037647
Score: 4.72767
Type of gen. func.: ogf

$$-(3358902 f(x) - 9153605) (5 f(x) x^4 - f(x) x^3 - 5 f(x) x - x^2 + f(x) - 3)$$

Sequence: A037647
Score: 8.62614
Type of gen. func.: lgdogf

$$-\frac{10 x^5 - x^4 + 60 x^3 - 4 x^2 - 2 x - 15}{(5 x - 1) (x - 1) (x^2 + x + 1) (x^2 + 3)}$$

Sequence: A037648
Score: 10.0383
Type of gen. func.: ogf

$$\frac{x^2 + 3}{(x - 1) (6 x - 1) (x^2 + x + 1)}$$

Sequence: A037648
Score: 4.65191
Type of gen. func.: ogf

$$-(3202648 f(x) - 6740709) (6 f(x) x^4 - f(x) x^3 - 6 f(x) x - x^2 + f(x) - 3)$$

Sequence: A037648
Score: 8.48790
Type of gen. func.: lgdogf

$$-\frac{12 x^5 - x^4 + 72 x^3 - 3 x^2 - 2 x - 18}{(6 x - 1) (x - 1) (x^2 + x + 1) (x^2 + 3)}$$

Sequence: A037649
Score: 4.52616
Type of gen. func.: ogf

$$-(401113 f(x) - 687680) (7 f(x) x^4 - f(x) x^3 - 7 f(x) x - x^2 + f(x) - 3)$$

Sequence: A037649
Score: 7.99833
Type of gen. func.: lgdogf

$$-\frac{14 x^5 - x^4 + 84 x^3 - 2 x^2 - 2 x - 21}{(x - 1) (7 x - 1) (x^2 + x + 1) (x^2 + 3)}$$

Sequence: A037649
Score: 9.60818
Type of gen. func.: ogf

$$\frac{x^2 + 3}{(x - 1) (7 x - 1) (x^2 + x + 1)}$$

Sequence: A037650
Score: 4.09277
Type of gen. func.: ogf

$$-(51597519 f(x) - 74615056) (8 f(x) x^4 - f(x) x^3 - 8 f(x) x - x^2 + f(x) - 3)$$

Sequence: A037650
Score: 7.69283
Type of gen. func.: lgdogf

$$-\frac{16x^5 - x^4 + 96x^3 - x^2 - 2x - 24}{(x-1)(8x-1)(x^2+x+1)(x^2+3)}$$

Sequence: A037650
Score: 8.97535
Type of gen. func.: ogf

$$\frac{x^2+3}{(x-1)(8x-1)(x^2+x+1)}$$

Sequence: A037651
Score: 3.72556
Type of gen. func.: ogf

$$-(240848380 f(x) - 301123233)(9 f(x) x^4 - f(x) x^3 - 9 f(x) x - x^2 + f(x) - 3)$$

Sequence: A037651
Score: 7.57071
Type of gen. func.: lgdogf

$$-\frac{18x^5 - x^4 + 108x^3 - 2x - 27}{(9x-1)(x-1)(x^2+x+1)(x^2+3)}$$

Sequence: A037651
Score: 8.30081
Type of gen. func.: ogf

$$\frac{x^2+3}{{}^{2}}$$

$$(x - 1) (9 x - 1) (x + x + 1)$$

Sequence: A037652
Score: 3.43801
Type of gen. func.: ogf

$$-(2616062 f(x) - 2880385) (10 f(x) x^{4} - f(x) x^{3} - 10 f(x) x - x^{2} + f(x) - 3)$$

Sequence: A037652
Score: 6.24867
Type of gen. func.: lgdogf

$$-\frac{20 x^{5} - x^{4} + 120 x^{3} + x^{2} - 2 x - 30}{(10 x - 1) (x - 1) (x^{2} + x + 1) (x^{2} + 3)}$$

Sequence: A037652
Score: 7.28392
Type of gen. func.: ogf

$$\frac{x^{2} + 3}{(10 x - 1) (x - 1) (x^{2} + x + 1)}$$

Sequence: A037653
Score: 11.0567
Type of gen. func.: ogf

$$\frac{2 x^{2} + 3}{(4 x - 1) (x - 1) (x^{2} + x + 1)}$$

Sequence: A037653
Score: 5.20855
Type of gen. func.: ogf

$$-(500623 f(x) - 987664) (4 f(x) x^{4} - f(x) x^{3} - 4 f(x) x - 2 x^{2} + f(x) - 3)$$

Sequence: A037653
Score: 9.08370
Type of gen. func.: lgdogf

$$-\frac{16 x^5 - 2 x^4 + 48 x^3 - x^2 - 4 x - 12}{(x - 1) (4 x - 1) (x^2 + x + 1) (2 x^2 + 3)}$$

Sequence: A037654
Score: 10.2018
Type of gen. func.: ogf

$$\frac{2 x^2 + 3}{(x - 1) (5 x - 1) (x^2 + x + 1)}$$

Sequence: A037654
Score: 4.88659
Type of gen. func.: ogf

$$-(49449 f(x) - 72170) (5 f(x) x^4 - f(x) x^3 - 5 f(x) x - 2 x^2 + f(x) - 3)$$

Sequence: A037654
Score: 8.37243
Type of gen. func.: lgdogf

$$-\frac{20 x^5 - 2 x^4 + 60 x^3 + x^2 - 4 x - 15}{(5 x - 1) (x - 1) (x^2 + x + 1) (2 x^2 + 3)}$$

Sequence: A037655
Score: 10.0383
Type of gen. func.: ogf

$$\frac{2 x^2 + 3}{(x - 1) (6 x - 1) (x^2 + x + 1)}$$

Sequence: A037655
Score: 4.50539
Type of gen. func.: ogf

$$-(219250655 f(x) - 253327416)$$

$$(6 f(x) x^4 - f(x) x^3 - 6 f(x) x - 2 x^2 + f(x) - 3)$$

Sequence: A037655
Score: 8.00288
Type of gen. func.: lgdogf

$$- \frac{24 x^5 - 2 x^4 + 72 x^3 + 3 x^2 - 4 x - 18}{(6 x - 1) (x - 1) (x^2 + x + 1) (2 x^2 + 3)}$$

Sequence: A037656
Score: 4.38133
Type of gen. func.: ogf

$$-(13260943 f(x) - 12660634) (7 f(x) x^4 - f(x) x^3 - 7 f(x) x - 2 x^2 + f(x) - 3)$$

Sequence: A037656
Score: 7.54772
Type of gen. func.: lgdogf

$$- \frac{28 x^5 - 2 x^4 + 84 x^3 + 5 x^2 - 4 x - 21}{(x - 1) (7 x - 1) (x^2 + x + 1) (2 x^2 + 3)}$$

Sequence: A037656
Score: 9.60818
Type of gen. func.: ogf

$$\frac{2 x^2 + 3}{(x - 1) (7 x - 1) (x^2 + x + 1)}$$

Sequence: A037657
Score: 3.96586
Type of gen. func.: ogf

$$-(1664051511 f(x) - 1352216864) (8 f(x) x^4 - f(x) x^3 - 8 f(x) x - 2 x^2 + f(x) - 3)$$

Sequence: A037657
Score: 7.04273
Type of gen. func.: lgdogf

$$-\frac{32 x^5 - 2 x^4 + 96 x^3 + 7 x^2 - 4 x - 24}{(x - 1) (8 x - 1) (x^2 + x + 1) (2 x^2 + 3)}$$

Sequence: A037657
Score: 8.97535
Type of gen. func.: ogf

$$\frac{2 x^2 + 3}{(x - 1) (8 x - 1) (x^2 + x + 1)}$$

Sequence: A037658
Score: 3.8157
Type of gen. func.: ogf

$$-(13862527 f(x) - 9798318) (9 f(x) x^4 - f(x) x^3 - 9 f(x) x - 2 x^2 + f(x) - 3)$$

Sequence: A037658
Score: 6.50441
Type of gen. func.: lgdogf

$$-\frac{36 x^5 - 2 x^4 + 108 x^3 + 9 x^2 - 4 x - 27}{(9 x - 1) (x - 1) (x^2 + x + 1) (2 x^2 + 3)}$$

Sequence: A037658
Score: 8.30081
Type of gen. func.: ogf

$$\frac{2 x^2 + 3}{(x - 1) (9 x - 1) (x^2 + x + 1)}$$

Sequence: A037659
Score: 3.33141
Type of gen. func.: ogf

$$-(319971751 f(x) - 200015560)$$

$$(10 f(x) x^4 - f(x) x^3 - 10 f(x) x - 2 x^2 + f(x) - 3)$$

Sequence: A037659
Score: 5.65758
Type of gen. func.: lgdogf

$$- \frac{40 x^5 - 2 x^4 + 120 x^3 + 11 x^2 - 4 x - 30}{(10 x - 1) (x - 1) (x^2 + x + 1) (2 x^2 + 3)}$$

Sequence: A037659
Score: 7.28392
Type of gen. func.: ogf

$$\frac{2 x^2 + 3}{(10 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037660
Score: 11.0302
Type of gen. func.: lgdogf

$$12 x^4 + 46 x^3 - 9 x^2 - 13$$

$$-\frac{}{(x+3)(x-1)(4x-1)(x^2+x+1)}$$

Sequence: A037660
Score: 11.8912
Type of gen. func.: ogf

$$\frac{x+3}{(4x-1)(x-1)(x^2+x+1)}$$

Sequence: A037660
Score: 5.34097
Type of gen. func.: ogf

$$-(466289 f(x) + 1180464) (4 f(x) x^4 - f(x) x^3 - 4 f(x) x + f(x) - x - 3)$$

Sequence: A037661
Score: 10.2209
Type of gen. func.: lgdogf

$$-\frac{15 x^4 + 58 x^3 - 9 x^2 - 16}{(x-1)(x+3)(5x-1)(x^2+x+1)}$$

Sequence: A037661
Score: 11.0292
Type of gen. func.: ogf

$$\frac{x+3}{(x-1)(5x-1)(x^2+x+1)}$$

Sequence: A037661
Score: 4.91217
Type of gen. func.: ogf

$$-(3573476 f(x) + 7871575) (5 f(x) x^4 - f(x) x^3 - 5 f(x) x + f(x) - x - 3)$$

Sequence: A037662
Score: 10.0036
Type of gen. func.: lgdogf

$$-\frac{18\,x^4 + 70\,x^3 - 9\,x^2 - 19}{(x + 3)\,(6\,x - 1)\,(x - 1)\,(x^2 + x + 1)}$$

Sequence: A037662
Score: 10.7959
Type of gen. func.: ogf

$$\frac{x + 3}{(x - 1)\,(6\,x - 1)\,(x^2 + x + 1)}$$

Sequence: A037662
Score: 4.76821
Type of gen. func.: ogf

$$-(6702853\,f(x) + 13123080)\,(6\,f(x)\,x^4 - f(x)\,x^3 - 6\,f(x)\,x + f(x) - x - 3)$$

Sequence: A037663
Score: 10.3333
Type of gen. func.: ogf

$$\frac{x + 3}{(x - 1)\,(7\,x - 1)\,(x^2 + x + 1)}$$

Sequence: A037663
Score: 4.56388
Type of gen. func.: ogf

$$-(6099242\,f(x) + 10764663)\,(7\,f(x)\,x^4 - f(x)\,x^3 - 7\,f(x)\,x + f(x) - x - 3)$$

Sequence: A037663
Score: 9.40155
Type of gen. func.: lgdogf

$$-\frac{21 x^{4} + 82 x^{3} - 9 x^{2} - 22}{(7 x - 1) (x + 3) (x - 1) (x^{2} + x + 1)}$$

Sequence: A037664
Score: 4.32341
Type of gen. func.: ogf

$$-(5065449 f(x) + 8144576) (8 f(x) x^{4} - f(x) x^{3} - 8 f(x) x + f(x) - x - 3)$$

Sequence: A037664
Score: 8.82323
Type of gen. func.: lgdogf

$$-\frac{24 x^{4} + 94 x^{3} - 9 x^{2} - 25}{(x + 3) (8 x - 1) (x - 1) (x^{2} + x + 1)}$$

Sequence: A037664
Score: 9.70728
Type of gen. func.: ogf

$$\frac{x + 3}{(x - 1) (8 x - 1) (x^{2} + x + 1)}$$

Sequence: A037665
Score: 12.6612
Type of gen. func.: ogf

$$\frac{x + 3}{(x - 1) (9 x - 1) (x^{2} + x + 1)}$$

Sequence: A037665

Score: 5.36835
Type of gen. func.: ogf

$$-(1607649904 f(x) + 2374618599) (9 f(x) x^4 - f(x) x^3 - 9 f(x) x + f(x) - x - 3)$$

Sequence: A037665
Score: 8.10199
Type of gen. func.: lgdogf

$$-\frac{27 x^4 + 106 x^3 - 9 x^2 - 28}{(x + 3) (9 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037666
Score: 3.43801
Type of gen. func.: ogf

$$-(204236549 f(x) + 279040200) (10 f(x) x^4 - f(x) x^3 - 10 f(x) x + f(x) - x - 3)$$

Sequence: A037666
Score: 7.09595
Type of gen. func.: lgdogf

$$-\frac{30 x^4 + 118 x^3 - 9 x^2 - 31}{(x + 3) (10 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037666
Score: 7.81365
Type of gen. func.: ogf

$$\frac{x + 3}{(10 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037667
Score: 10.6499
Type of gen. func.: lgdogf

$$-\frac{24 x^4 + 44 x^3 - 9 x^2 - 14}{(x - 1) (4 x - 1) (2 x + 3) (x^2 + x + 1)}$$

Sequence: A037667
Score: 11.8912
Type of gen. func.: ogf

$$\frac{2 x + 3}{(4 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037667
Score: 5.20855
Type of gen. func.: ogf

$$-(22529801 f(x) + 21628512) (4 f(x) x^4 - f(x) x^3 - 4 f(x) x + f(x) - 2 x - 3)$$

Sequence: A037668
Score: 11.0866
Type of gen. func.: ogf

$$\frac{2 x + 3}{(x - 1) (5 x - 1) (x^2 + x + 1)}$$

Sequence: A037668
Score: 4.93775
Type of gen. func.: ogf

$$-(1346433 f(x) + 1073200) (5 f(x) x^4 - f(x) x^3 - 5 f(x) x + f(x) - 2 x - 3)$$

Sequence: A037668
Score: 9.75278
Type of gen. func.: lgdogf

$$-\frac{30 x^4 + 56 x^3 - 9 x^2 - 17}{}$$

$$(x - 1) (2 x + 3) (5 x - 1) (x^2 + x + 1)$$

Sequence: A037669
Score: 10.7959
Type of gen. func.: ogf

$$\frac{2 x + 3}{(x - 1) (6 x - 1) (x^2 + x + 1)}$$

Sequence: A037669
Score: 4.65191
Type of gen. func.: ogf

$$-(346686625 f(x) + 237746232) (6 f(x) x^4 - f(x) x^3 - 6 f(x) x + f(x) - 2 x - 3)$$

Sequence: A037669
Score: 9.65865
Type of gen. func.: lgdogf

$$- \frac{36 x^4 + 68 x^3 - 9 x^2 - 20}{(x - 1) (6 x - 1) (2 x + 3) (x^2 + x + 1)}$$

Sequence: A037670
Score: 10.3333
Type of gen. func.: ogf

$$\frac{2 x + 3}{(x - 1) (7 x - 1) (x^2 + x + 1)}$$

Sequence: A037670
Score: 4.52616
Type of gen. func.: ogf

$$-(20169797 f(x) + 12168072) (7 f(x) x^4 - f(x) x^3 - 7 f(x) x + f(x) - 2 x - 3)$$

Sequence: A037670
Score: 9.08285
Type of gen. func.: lgdogf

$$-\frac{42 x^4 + 80 x^3 - 9 x^2 - 23}{(x - 1) (2 x + 3) (7 x - 1) (x^2 + x + 1)}$$

Sequence: A037671
Score: 12.1525
Type of gen. func.: ogf

$$\frac{2 x + 3}{(x - 1) (8 x - 1) (x^2 + x + 1)}$$

Sequence: A037671
Score: 5.23644
Type of gen. func.: ogf

$$-(818885187 f(x) + 441494656) (8 f(x) x^4 - f(x) x^3 - 8 f(x) x + f(x) - 2 x - 3)$$

Sequence: A037671
Score: 8.52414
Type of gen. func.: lgdogf

$$-\frac{48 x^4 + 92 x^3 - 9 x^2 - 26}{(x - 1) (2 x + 3) (8 x - 1) (x^2 + x + 1)}$$

Sequence: A037672
Score: 3.80784
Type of gen. func.: ogf

$$-(5496525631 f(x) + 2680208352)$$

$$(9 f(x) x^4 - f(x) x^3 - 9 f(x) x + f(x) - 2 x - 3)$$

Sequence: A037672
Score: 7.87536
Type of gen. func.: lgdogf

$$-\frac{54 x^4 + 104 x^3 - 9 x^2 - 29}{(x - 1) (2 x + 3) (9 x - 1) (x^2 + x + 1)}$$

Sequence: A037672
Score: 8.98074
Type of gen. func.: ogf

$$\frac{2 x + 3}{(x - 1) (9 x - 1) (x^2 + x + 1)}$$

Sequence: A037673
Score: 3.43801
Type of gen. func.: ogf

$$-(452569049 f(x) + 201497400)$$

$$(10 f(x) x^4 - f(x) x^3 - 10 f(x) x + f(x) - 2 x - 3)$$

Sequence: A037673
Score: 6.86330
Type of gen. func.: lgdogf

$$-\frac{60 x^4 + 116 x^3 - 9 x^2 - 32}{(x - 1) (2 x + 3) (10 x - 1) (x^2 + x + 1)}$$

Sequence: A037673
Score: 7.81365
Type of gen. func.: ogf

$$\frac{2 x + 3}{(10 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A037674
Score: 4.76708
Type of gen. func.: ogf

$$-(981 f(x) - 4408)$$

$$(4 f(x) x^4 - 5 f(x) x^3 + 5 f(x) x^2 - 5 f(x) x - 3 x^2 + f(x) + x - 1)$$

Sequence: A037674
Score: 9.08654
Type of gen. func.: lgdogf

$$- \frac{24 x^5 - 27 x^4 + 26 x^3 - 5 x^2 + 4 x - 4}{(x - 1) (4 x - 1) (x^2 + 1) (3 x^2 - x + 1)}$$

Sequence: A037674
Score: 9.53414
Type of gen. func.: ogf

$$\frac{3 x^2 - x + 1}{(4 x - 1) (x - 1) (x^2 + 1)}$$

Sequence: A037675
Score: 4.33181
Type of gen. func.: ogf

$$-(36496 f(x) - 109645)$$

$$(5 f(x) x^4 - 6 f(x) x^3 + 6 f(x) x^2 - 6 f(x) x - 3 x^2 + f(x) + x - 1)$$

Sequence: A037675
Score: 8.61075
Type of gen. func.: lgdogf

$$- \frac{30 x^5 - 33 x^4 + 32 x^3 - 6 x^2 + 6 x - 5}{(x - 1) (5 x - 1) (x^2 + 1) (3 x^2 - x + 1)}$$

Sequence: A037675
Score: 8.91474
Type of gen. func.: ogf

$$\frac{3x^2 - x + 1}{(x - 1)(5x - 1)(x^2 + 1)}$$

Sequence: A037676
Score: 4.23678
Type of gen. func.: ogf

-(389921 f(x) - 882288)

$$(6 f(x) x^4 - 7 f(x) x^3 + 7 f(x) x^2 - 7 f(x) x - 3 x^2 + f(x) + x - 1)$$

Sequence: A037676
Score: 8.48116
Type of gen. func.: lgdogf

$$- \frac{36 x^5 - 39 x^4 + 38 x^3 - 7 x^2 + 8 x - 6}{(x - 1)(6x - 1)(x^2 + 1)(3x^2 - x + 1)}$$

Sequence: A037676
Score: 8.78057
Type of gen. func.: ogf

$$\frac{3x^2 - x + 1}{(6x - 1)(x - 1)(x^2 + 1)}$$

Sequence: A037677
Score: 3.54534
Type of gen. func.: ogf

-(10874730 f(x) - 19759537)

$$(7 f(x) x^4 - 8 f(x) x^3 + 8 f(x) x^2 - 8 f(x) x - 3 x^2 + f(x) + x - 1)$$

Sequence: A037677
Score: 7.17448
Type of gen. func.: lgdogf

$$- \frac{(-1 + 2 x) (21 x^4 - 12 x^3 + 16 x^2 + 4 x + 7)}{(x - 1) (7 x - 1) (x^2 + 1) (3 x^2 - x + 1)}$$

Sequence: A037677
Score: 7.55313
Type of gen. func.: ogf

$$\frac{3 x^2 - x + 1}{(x - 1) (7 x - 1) (x^2 + 1)}$$

Sequence: A037678
Score: 4.65998
Type of gen. func.: ogf

$$-(28829719 f(x) - 43791088)$$

$$(8 f(x) x^4 - 9 f(x) x^3 + 9 f(x) x^2 - 9 f(x) x - 3 x^2 + f(x) + x - 1)$$

Sequence: A037678
Score: 9.47660
Type of gen. func.: lgdogf

$$- \frac{48 x^5 - 51 x^4 + 50 x^3 - 9 x^2 + 12 x - 8}{(x - 1) (8 x - 1) (x^2 + 1) (3 x^2 - x + 1)}$$

Sequence: A037678
Score: 9.92778
Type of gen. func.: ogf

$$\frac{3 x^2 - x + 1}{(8 x - 1) (x - 1) (x^2 + 1)}$$

Sequence: A037679
Score: 3.04667
Type of gen. func.: ogf

$$-(301796 f(x) - 393957)$$

$$(9 f(x) x^4 - 10 f(x) x^3 + 10 f(x) x^2 - 10 f(x) x - 3 x^2 + f(x) + x - 1)$$

Sequence: A037679
Score: 5.93810
Type of gen. func.: lgdogf

$$- \frac{54 x^5 - 57 x^4 + 56 x^3 - 10 x^2 + 14 x - 9}{(x - 1) (9 x - 1) (x^2 + 1) (3 x^2 - x + 1)}$$

Sequence: A037679
Score: 6.17797
Type of gen. func.: ogf

$$\frac{3 x^2 - x + 1}{(9 x - 1) (x - 1) (x^2 + 1)}$$

Sequence: A037680
Score: 2.88424
Type of gen. func.: ogf

$$-(5830701 f(x) - 6674440)$$

$$(10 f(x) x^4 - 11 f(x) x^3 + 11 f(x) x^2 - 11 f(x) x - 3 x^2 + f(x) + x - 1)$$

Sequence: A037680
Score: 5.58215
Type of gen. func.: lgdogf

$$-\frac{60 x^{5} - 63 x^{4} + 62 x^{3} - 11 x^{2} + 16 x - 10}{(10 x - 1) (x - 1) (x^{2} + 1) (3 x^{2} - x + 1)}$$

Sequence: A037680
Score: 5.88700
Type of gen. func.: ogf

$$\frac{3 x^{2} - x + 1}{(10 x - 1) (x - 1) (x^{2} + 1)}$$

Sequence: A037681
Score: 10.1209
Type of gen. func.: ogf

$$\frac{2 x^{3} + 3 x^{2} + 1}{(x - 1) (4 x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A037681
Score: 6.86324
Type of gen. func.: lgdogf

$$-\frac{2 (8 x^{7} + 17 x^{6} - 3 x^{5} + 10 x^{4} + 6 x^{3} + 3 x^{2} - 3 x - 2)}{(x - 1) (4 x - 1) (x + 1) (x^{2} + 1) (2 x^{3} + 3 x^{2} + 1)}$$

Sequence: A037682
Score: 6.48121
Type of gen. func.: lgdogf

$$-\frac{20 x^{7} + 43 x^{6} - 6 x^{5} + 25 x^{4} + 16 x^{3} + 9 x^{2} - 6 x - 5}{(x - 1) (5 x - 1) (x + 1) (x^{2} + 1) (2 x^{3} + 3 x^{2} + 1)}$$

Sequence: A037682
Score: 9.46334
Type of gen. func.: ogf

$$\frac{2x^3+3x^2+1}{(x-1)(5x-1)(x+1)(x^2+1)}$$

Sequence: A037683
Score: 6.24928
Type of gen. func.: lgdogf

$$-\frac{2(12x^7+26x^6-3x^5+15x^4+10x^3+6x^2-3x-3)}{(x-1)(6x-1)(x+1)(x^2+1)(2x^3+3x^2+1)}$$

Sequence: A037683
Score: 9.32091
Type of gen. func.: ogf

$$\frac{2x^3+3x^2+1}{(x-1)(6x-1)(x+1)(x^2+1)}$$

Sequence: A037684
Score: 5.41902
Type of gen. func.: lgdogf

$$-\frac{28x^7+61x^6-6x^5+35x^4+24x^3+15x^2-6x-7}{(x-1)(7x-1)(x+1)(x^2+1)(2x^3+3x^2+1)}$$

Sequence: A037684
Score: 8.01794
Type of gen. func.: ogf

$$\frac{2x^3+3x^2+1}{(x-1)(7x-1)(x+1)(x^2+1)}$$

Sequence: A037685
Score: 7.47049
Type of gen. func.: ogf

$$\frac{2 x^3 + 3 x^2 + 1}{(x - 1) (8 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037686
Score: 6.84329
Type of gen. func.: ogf

$$\frac{2 x^3 + 3 x^2 + 1}{(x - 1) (9 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037687
Score: 6.41419
Type of gen. func.: ogf

$$\frac{2 x^3 + 3 x^2 + 1}{(x - 1) (10 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037688
Score: 10.0233
Type of gen. func.: ogf

$$\frac{3 x^3 + 2 x + 1}{(x - 1) (4 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037688
Score: 6.80544
Type of gen. func.: lgdogf

```
                7      6        5        4        3      2
```

$$-\frac{24\,x - 3\,x + 32\,x + 14\,x + 20\,x - 9\,x - 6}{(x - 1)\,(4\,x - 1)\,(x + 1)\,(x^2 + 1)\,(3\,x^3 + 2\,x + 1)}$$

Sequence: A037689
Score: 10.1852
Type of gen. func.: ogf

$$\frac{3\,x^3 + 2\,x + 1}{(x - 1)\,(5\,x - 1)\,(x + 1)\,(x^2 + 1)}$$

Sequence: A037689
Score: 6.99925
Type of gen. func.: lgdogf

$$-\frac{30\,x^7 - 3\,x^6 + 40\,x^5 + 19\,x^4 + 26\,x^3 - 9\,x^2 - 7}{(x - 1)\,(5\,x - 1)\,(x + 1)\,(x^2 + 1)\,(3\,x^3 + 2\,x + 1)}$$

Sequence: A037690
Score: 10.0320
Type of gen. func.: ogf

$$\frac{3\,x^3 + 2\,x + 1}{(x - 1)\,(6\,x - 1)\,(x + 1)\,(x^2 + 1)}$$

Sequence: A037690
Score: 6.89391
Type of gen. func.: lgdogf

$$-\frac{36\,x^7 - 3\,x^6 + 48\,x^5 + 24\,x^4 + 32\,x^3 - 9\,x^2 - 8}{(x - 1)\,(6\,x - 1)\,(x + 1)\,(x^2 + 1)\,(3\,x^3 + 2\,x + 1)}$$

Sequence: A037691
Score: 11.8574

Type of gen. func.: ogf

$$\frac{3x^3 + 2x + 1}{(x - 1)(7x - 1)(x + 1)(x^2 + 1)}$$

Sequence: A037691
Score: 5.88888
Type of gen. func.: lgdogf

$$-\frac{42x^7 - 3x^6 + 56x^5 + 29x^4 + 38x^3 - 9x^2 - 9}{(x - 1)(7x - 1)(x + 1)(x^2 + 1)(3x^3 + 2x + 1)}$$

Sequence: A037692
Score: 10.1658
Type of gen. func.: ogf

$$\frac{3x^3 + 2x + 1}{(x - 1)(8x - 1)(x + 1)(x^2 + 1)}$$

Sequence: A037692
Score: 5.45229
Type of gen. func.: lgdogf

$$-\frac{48x^7 - 3x^6 + 64x^5 + 34x^4 + 44x^3 - 9x^2 - 10}{(x - 1)(8x - 1)(x + 1)(x^2 + 1)(3x^3 + 2x + 1)}$$

Sequence: A037693
Score: 7.33848
Type of gen. func.: ogf

$$\frac{3x^3 + 2x + 1}{(x - 1)(9x - 1)(x + 1)(x^2 + 1)}$$

Sequence: A037694
Score: 11.0794
Type of gen. func.: ogf

$$\frac{3 x^3 + 2 x + 1}{(x - 1) (10 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037695
Score: 10.0747
Type of gen. func.: ogf

$$\frac{3 x^2 + 2 x + 1}{(x - 1) (4 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037695
Score: 7.08252
Type of gen. func.: lgdogf

$$- \frac{2 (18 x^6 + 13 x^5 + 7 x^4 - 2 x^3 + 6 x^2 - 3 x - 3)}{(x - 1) (4 x - 1) (x + 1) (x^2 + 1) (3 x^2 + 2 x + 1)}$$

Sequence: A037696
Score: 10.1852
Type of gen. func.: ogf

$$\frac{3 x^2 + 2 x + 1}{(x - 1) (5 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037696
Score: 7.16394
Type of gen. func.: lgdogf

$$- \frac{45 x^6 + 34 x^5 + 19 x^4 - 4 x^3 + 15 x^2 - 6 x - 7}{\qquad\qquad\qquad\qquad 2 \qquad\qquad 2}$$

$$(x - 1) (5 x - 1) (x + 1) (x + 1) (3 x + 2 x + 1)$$

Sequence: A037697
Score: 10.0320
Type of gen. func.: ogf

$$\frac{3 x^{2} + 2 x + 1}{(x - 1) (6 x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A037697
Score: 6.97407
Type of gen. func.: lgdogf

$$- \frac{2 (27 x^{6} + 21 x^{5} + 12 x^{4} - 2 x^{3} + 9 x^{2} - 3 x - 4)}{(x - 1) (6 x - 1) (x + 1) (x^{2} + 1) (3 x^{2} + 2 x + 1)}$$

Sequence: A037698
Score: 6.02744
Type of gen. func.: lgdogf

$$- \frac{63 x^{6} + 50 x^{5} + 29 x^{4} - 4 x^{3} + 21 x^{2} - 6 x - 9}{(x - 1) (7 x - 1) (x + 1) (x^{2} + 1) (3 x^{2} + 2 x + 1)}$$

Sequence: A037698
Score: 8.59197
Type of gen. func.: ogf

$$\frac{3 x^{2} + 2 x + 1}{(x - 1) (7 x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A037699
Score: 5.51496
Type of gen. func.: lgdogf

$$-\frac{2 (36 x^6 + 29 x^5 + 17 x^4 - 2 x^3 + 12 x^2 - 3 x - 5)}{(x - 1) (8 x - 1) (x + 1) (x^2 + 1) (3 x^2 + 2 x + 1)}$$

Sequence: A037699
Score: 8.05513
Type of gen. func.: ogf

$$\frac{3 x^2 + 2 x + 1}{(x - 1) (8 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037700
Score: 5.04767
Type of gen. func.: lgdogf

$$-\frac{81 x^6 + 66 x^5 + 39 x^4 - 4 x^3 + 27 x^2 - 6 x - 11}{(x - 1) (9 x - 1) (x + 1) (x^2 + 1) (3 x^2 + 2 x + 1)}$$

Sequence: A037700
Score: 7.38492
Type of gen. func.: ogf

$$\frac{3 x^2 + 2 x + 1}{(x - 1) (9 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037701
Score: 11.0794
Type of gen. func.: ogf

$$\frac{3 x^2 + 2 x + 1}{(x - 1) (10 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037702

Score: 10.0747
Type of gen. func.: ogf

$$\frac{2 x^3 + 3 x + 1}{(x - 1) (4 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037702
Score: 6.91970
Type of gen. func.: lgdogf

$$- \frac{16 x^7 - 2 x^6 + 48 x^5 + 11 x^4 + 12 x^3 - 6 x^2 - 7}{(x - 1) (4 x - 1) (x + 1) (2 x^3 + 3 x + 1) (x^2 + 1)}$$

Sequence: A037703
Score: 10.2359
Type of gen. func.: ogf

$$\frac{2 x^3 + 3 x + 1}{(x - 1) (5 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037703
Score: 7.20030
Type of gen. func.: lgdogf

$$- \frac{2 (10 x^7 - x^6 + 30 x^5 + 8 x^4 + 8 x^3 - 3 x^2 - 4)}{(x - 1) (5 x - 1) (x + 1) (2 x^3 + 3 x + 1) (x^2 + 1)}$$

Sequence: A037704
Score: 10.0320
Type of gen. func.: ogf

$$\frac{2 x^3 + 3 x + 1}{(x - 1) (6 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037704
Score: 6.89391
Type of gen. func.: lgdogf

$$-\frac{24 x^{7} - 2 x^{6} + 72 x^{5} + 21 x^{4} + 20 x^{3} - 6 x^{2} - 9}{(x - 1) (6 x - 1) (x + 1) (2 x^{3} + 3 x + 1) (x^{2} + 1)}$$

Sequence: A037705
Score: 11.9081
Type of gen. func.: ogf

$$\frac{2 x^{3} + 3 x + 1}{(x - 1) (7 x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A037705
Score: 5.92272
Type of gen. func.: lgdogf

$$-\frac{2 (14 x^{7} - x^{6} + 42 x^{5} + 13 x^{4} + 12 x^{3} - 3 x^{2} - 5)}{(x - 1) (7 x - 1) (x + 1) (2 x^{3} + 3 x + 1) (x^{2} + 1)}$$

Sequence: A037706
Score: 12.5669
Type of gen. func.: ogf

$$\frac{2 x^{3} + 3 x + 1}{(x - 1) (8 x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A037706
Score: 8.43011
Type of gen. func.: lgdogf

$$-\frac{32 x^{7} - 2 x^{6} + 96 x^{5} + 31 x^{4} + 28 x^{3} - 6 x^{2} - 11}{}$$

$$(x-1)(8x-1)(x+1)(2x^3+3x+1)(x^2+1)$$

Sequence: A037707
Score: 7.38492
Type of gen. func.: ogf

$$\frac{2x^3+3x+1}{(x-1)(9x-1)(x+1)(x^2+1)}$$

Sequence: A037708
Score: 6.82144
Type of gen. func.: ogf

$$\frac{2x^3+3x+1}{(x-1)(10x-1)(x+1)(x^2+1)}$$

Sequence: A037709
Score: 10.0747
Type of gen. func.: ogf

$$\frac{2x+1}{(4x-1)(x-1)(x^2+1)}$$

Sequence: A037709
Score: 10.2036
Type of gen. func.: lgdogf

$$-\frac{24x^4-4x^3-5x^2+10x-7}{(2x+1)(4x-1)(x-1)(x^2+1)}$$

Sequence: A037709
Score: 4.5188
Type of gen. func.: ogf

$-(731493\ f(x) + 1230688)$

$$(4\ f(x)\ x^4 - 5\ f(x)\ x^3 + 5\ f(x)\ x^2 - 5\ f(x)\ x + f(x) - 2\ x - 1)$$

Sequence: A037710
Score: 10.2519
Type of gen. func.: lgdogf

$$- \frac{2\ (15\ x^4 - 2\ x^3 - 3\ x^2 + 6\ x - 4)}{(5\ x - 1)\ (2\ x + 1)\ (x - 1)\ (x^2 + 1)}$$

Sequence: A037710
Score: 10.2866
Type of gen. func.: ogf

$$\frac{2\ x + 1}{(x - 1)\ (5\ x - 1)\ (x^2 + 1)}$$

Sequence: A037710
Score: 4.78994
Type of gen. func.: ogf

$-(3322\ f(x) + 4175)$

$$(5\ f(x)\ x^4 - 6\ f(x)\ x^3 + 6\ f(x)\ x^2 - 6\ f(x)\ x + f(x) - 2\ x - 1)$$

Sequence: A037711
Score: 10.0320
Type of gen. func.: ogf

$$\frac{2\ x + 1}{(6\ x - 1)\ (x - 1)\ (x^2 + 1)}$$

Sequence: A037711
Score: 10.1656
Type of gen. func.: lgdogf

$$-\frac{36 x^4 - 4 x^3 - 7 x^2 + 14 x - 9}{(2 x + 1) (6 x - 1) (x - 1) (x^2 + 1)}$$

Sequence: A037711
Score: 4.53296
Type of gen. func.: ogf

$$-(869791 f(x) + 863352)$$

$$(6 f(x) x^4 - 7 f(x) x^3 + 7 f(x) x^2 - 7 f(x) x + f(x) - 2 x - 1)$$

Sequence: A037712
Score: 11.9081
Type of gen. func.: ogf

$$\frac{2 x + 1}{(x - 1) (7 x - 1) (x^2 + 1)}$$

Sequence: A037712
Score: 5.30215
Type of gen. func.: ogf

$$-(4963317 f(x) + 4042843)$$

$$(7 f(x) x^4 - 8 f(x) x^3 + 8 f(x) x^2 - 8 f(x) x + f(x) - 2 x - 1)$$

Sequence: A037712
Score: 8.58795
Type of gen. func.: lgdogf

$$-\frac{2 (21 x^4 - 2 x^3 - 4 x^2 + 8 x - 5)}{(7 x - 1) (2 x + 1) (x - 1) (x^2 + 1)}$$

Sequence: A037713
Score: 3.53499
Type of gen. func.: ogf

$-(44996585 f(x) + 30927232)$

$$(8 f(x) x^4 - 9 f(x) x^3 + 9 f(x) x^2 - 9 f(x) x + f(x) - 2 x - 1)$$

Sequence: A037713
Score: 7.99669
Type of gen. func.: lgdogf

$$-\frac{48 x^4 - 4 x^3 - 9 x^2 + 18 x - 11}{(8 x - 1) (2 x + 1) (x - 1) (x^2 + 1)}$$

Sequence: A037713
Score: 8.05513
Type of gen. func.: ogf

$$\frac{2 x + 1}{(8 x - 1) (x - 1) (x^2 + 1)}$$

Sequence: A037714
Score: 10.1106
Type of gen. func.: ogf

$$\frac{2 x + 1}{(9 x - 1) (x - 1) (x^2 + 1)}$$

Sequence: A037714
Score: 10.2435
Type of gen. func.: lgdogf

$$-\frac{2 (27 x^4 - 2 x^3 - 5 x^2 + 10 x - 6)}{(2 x + 1) (9 x - 1) (x - 1) (x^2 + 1)}$$

Sequence: A037714
Score: 4.65524
Type of gen. func.: ogf

$$-(1297469 f(x) + 768609)$$

$$(9 f(x) x^4 - 10 f(x) x^3 + 10 f(x) x^2 - 10 f(x) x + f(x) - 2 x - 1)$$

Sequence: A037715
Score: 3.04788
Type of gen. func.: ogf

$$-(7230099 f(x) + 3753400)$$

$$(10 f(x) x^4 - 11 f(x) x^3 + 11 f(x) x^2 - 11 f(x) x + f(x) - 2 x - 1)$$

Sequence: A037715
Score: 6.61155
Type of gen. func.: ogf

$$\frac{2 x + 1}{(10 x - 1) (x - 1) (x^2 + 1)}$$

Sequence: A037715
Score: 6.64541
Type of gen. func.: lgdogf

$$- \frac{60 x^4 - 4 x^3 - 11 x^2 + 22 x - 13}{(10 x - 1) (2 x + 1) (x - 1) (x^2 + 1)}$$

Sequence: A037716
Score: 4.26776
Type of gen. func.: ogf

$$-(925797 f(x) + 2483480)$$

$$(4 f(x) x^4 - 5 f(x) x^3 + 5 f(x) x^2 - 5 f(x) x - 3 x^2 + f(x) + 2 x - 2)$$

Sequence: A037716
Score: 8.13533
Type of gen. func.: lgdogf

$$-\frac{24x^5-39x^4+52x^3-25x^2+14x-8}{(4x-1)(x-1)(x^2+1)(3x^2-2x+2)}$$

Sequence: A037716
Score: 8.90661
Type of gen. func.: ogf

$$\frac{3x^2-2x+2}{(4x-1)(x-1)(x^2+1)}$$

Sequence: A037717
Score: 4.62528
Type of gen. func.: ogf

$(11461 f(x) + 27805)$

$$(5 f(x) x^4 - 6 f(x) x^3 + 6 f(x) x^2 - 6 f(x) x - 3 x^2 + f(x) + 2 x - 2)$$

Sequence: A037717
Score: 8.28399
Type of gen. func.: lgdogf

$$-\frac{2(15x^5-24x^4+32x^3-15x^2+9x-5)}{(x-1)(5x-1)(x^2+1)(3x^2-2x+2)}$$

Sequence: A037717
Score: 9.18352
Type of gen. func.: ogf

$$\frac{3x^2-2x+2}{(x-1)(5x-1)(x^2+1)}$$

Sequence: A037718
Score: 4.40484
Type of gen. func.: ogf

$$(1498351 f(x) + 3318660)$$

$$(6 f(x) x^4 - 7 f(x) x^3 + 7 f(x) x^2 - 7 f(x) x - 3 x^2 + f(x) + 2 x - 2)$$

Sequence: A037718
Score: 8.01189
Type of gen. func.: lgdogf

$$- \frac{36 x^5 - 57 x^4 + 76 x^3 - 35 x^2 + 22 x - 12}{(x - 1) (6 x - 1) (x^2 + 1) (3 x^2 - 2 x + 2)}$$

Sequence: A037718
Score: 9.00119
Type of gen. func.: ogf

$$\frac{3 x^2 - 2 x + 2}{(6 x - 1) (x - 1) (x^2 + 1)}$$

Sequence: A037719
Score: 10.6619
Type of gen. func.: ogf

$$\frac{3 x^2 - 2 x + 2}{(x - 1) (7 x - 1) (x^2 + 1)}$$

Sequence: A037719
Score: 5.14453
Type of gen. func.: ogf

$$(18930384 f(x) + 38564785)$$

$$(7 f(x) x^4 - 8 f(x) x^3 + 8 f(x) x^2 - 8 f(x) x - 3 x^2 + f(x) + 2 x - 2)$$

Sequence: A037720
Score: 3.56684
Type of gen. func.: ogf

$$(3719249 f(x) + 7012784)$$

$$(8 f(x) x^4 - 9 f(x) x^3 + 9 f(x) x^2 - 9 f(x) x - 3 x^2 + f(x) + 2 x - 2)$$

Sequence: A037720
Score: 6.46530
Type of gen. func.: lgdogf

$$- \frac{48 x^5 - 75 x^4 + 100 x^3 - 45 x^2 + 30 x - 16}{(8 x - 1) (x - 1) (x^2 + 1) (3 x^2 - 2 x + 2)}$$

Sequence: A037720
Score: 7.28875
Type of gen. func.: ogf

$$\frac{3 x^2 - 2 x + 2}{(8 x - 1) (x - 1) (x^2 + 1)}$$

Sequence: A037721
Score: 3.16311
Type of gen. func.: ogf

$$(11442509 f(x) + 20077335)$$

$$(9 f(x) x^4 - 10 f(x) x^3 + 10 f(x) x^2 - 10 f(x) x - 3 x^2 + f(x) + 2 x - 2)$$

Sequence: A037721
Score: 5.85039
Type of gen. func.: lgdogf

$$- \frac{2 (27 x^5 - 42 x^4 + 56 x^3 - 25 x^2 + 17 x - 9)}{(x - 1) (9 x - 1) (x^2 + 1) (3 x^2 - 2 x + 2)}$$

Sequence: A037721
Score: 6.41407
Type of gen. func.: ogf

$$\frac{3 x^2 - 2 x + 2}{(9 x - 1) (x - 1) (x^2 + 1)}$$

Sequence: A037722
Score: 2.92348
Type of gen. func.: ogf

$$(16814499 f(x) + 27584540)$$

$$(10 f(x) x^4 - 11 f(x) x^3 + 11 f(x) x^2 - 11 f(x) x - 3 x^2 + f(x) + 2 x - 2)$$

Sequence: A037722
Score: 5.36745
Type of gen. func.: lgdogf

$$- \frac{60 x^5 - 93 x^4 + 124 x^3 - 55 x^2 + 38 x - 20}{(10 x - 1) (x - 1) (x^2 + 1) (3 x^2 - 2 x + 2)}$$

Sequence: A037722
Score: 5.88700
Type of gen. func.: ogf

$$\frac{3 x^2 - 2 x + 2}{(10 x - 1) (x - 1) (x^2 + 1)}$$

Sequence: A037723
Score: 7.25318
Type of gen. func.: lgdogf

$$- \frac{8 x^7 + 35 x^6 - 6 x^5 + 40 x^4 + 9 x^2 - 6 x - 8}{}$$

$$(x - 1) (4 x - 1) (x + 1) (x^3 + 3 x^2 + 2) (x^2 + 1)$$

Sequence: A037723
Score: 9.45471
Type of gen. func.: ogf

$$\frac{x^3 + 3 x^2 + 2}{(x - 1) (4 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037724
Score: 7.01562
Type of gen. func.: lgdogf

$$-\frac{2 (5 x^7 + 22 x^6 - 3 x^5 + 25 x^4 + x^3 + 6 x^2 - 3 x - 5)}{(x - 1) (5 x - 1) (x + 1) (x^3 + 3 x^2 + 2) (x^2 + 1)}$$

Sequence: A037724
Score: 9.79622
Type of gen. func.: ogf

$$\frac{x^3 + 3 x^2 + 2}{(x - 1) (5 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037725
Score: 6.54735
Type of gen. func.: lgdogf

$$-\frac{12 x^7 + 53 x^6 - 6 x^5 + 60 x^4 + 4 x^3 + 15 x^2 - 6 x - 12}{(x - 1) (6 x - 1) (x + 1) (x^3 + 3 x^2 + 2) (x^2 + 1)}$$

Sequence: A037725
Score: 9.55511
Type of gen. func.: ogf

$$\frac{x^3 + 3 x^2 + 2}{(x - 1) (6 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037726
Score: 11.3655
Type of gen. func.: ogf

$$\frac{x^3 + 3 x^2 + 2}{(x - 1) (7 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037726
Score: 5.75945
Type of gen. func.: lgdogf

$$- \frac{2 (7 x^7 + 31 x^6 - 3 x^5 + 35 x^4 + 3 x^3 + 9 x^2 - 3 x - 7)}{(x - 1) (7 x - 1) (x + 1) (x^3 + 3 x^2 + 2) (x^2 + 1)}$$

Sequence: A037727
Score: 7.73729
Type of gen. func.: ogf

$$\frac{x^3 + 3 x^2 + 2}{(x - 1) (8 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037728
Score: 7.10482
Type of gen. func.: ogf

$$\frac{x^3 + 3 x^2 + 2}{(x - 1) (9 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037729
Score: 6.41419
Type of gen. func.: ogf

$$\frac{x^3 + 3x^2 + 2}{(x - 1)(10x - 1)(x + 1)(x^2 + 1)}$$

Sequence: A037730
Score: 10.1261
Type of gen. func.: ogf

$$\frac{3x^3 + x + 2}{(x - 1)(4x - 1)(x + 1)(x^2 + 1)}$$

Sequence: A037730
Score: 7.03662
Type of gen. func.: lgdogf

$$-\frac{24x^7 - 3x^6 + 16x^5 + 37x^4 + 16x^3 - 9x^2 - 9}{(x - 1)(4x - 1)(x + 1)(3x^3 + x + 2)(x^2 + 1)}$$

Sequence: A037731
Score: 10.4386
Type of gen. func.: ogf

$$\frac{3x^3 + x + 2}{(x - 1)(5x - 1)(x + 1)(x^2 + 1)}$$

Sequence: A037731
Score: 7.26035
Type of gen. func.: lgdogf

$$-\frac{30x^7 - 3x^6 + 20x^5 + 47x^4 + 22x^3 - 9x^2 - 11}{(x - 1)(5x - 1)(x + 1)(3x^3 + x + 2)(x^2 + 1)}$$

Sequence: A037732
Score: 9.28185
Type of gen. func.: ogf

$$\frac{3 x^3 + x + 2}{(x - 1) (6 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037733
Score: 6.12854
Type of gen. func.: lgdogf

$$- \frac{42 x^7 - 3 x^6 + 28 x^5 + 67 x^4 + 34 x^3 - 9 x^2 - 15}{(x - 1) (7 x - 1) (x + 1) (3 x^3 + x + 2) (x^2 + 1)}$$

Sequence: A037733
Score: 8.83333
Type of gen. func.: ogf

$$\frac{3 x^3 + x + 2}{(x - 1) (7 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037734
Score: 5.71352
Type of gen. func.: lgdogf

$$- \frac{48 x^7 - 3 x^6 + 32 x^5 + 77 x^4 + 40 x^3 - 9 x^2 - 17}{(x - 1) (8 x - 1) (x + 1) (3 x^3 + x + 2) (x^2 + 1)}$$

Sequence: A037734
Score: 8.24466
Type of gen. func.: ogf

$$3 x^3 + x + 2$$

$$\overline{(x-1)(8x-1)(x+1)(x^2+1)}$$

Sequence: A037735
Score: 7.61715
Type of gen. func.: ogf

$$\frac{3x^3+x+2}{(x-1)(9x-1)(x+1)(x^2+1)}$$

Sequence: A037736
Score: 6.82144
Type of gen. func.: ogf

$$\frac{3x^3+x+2}{(x-1)(10x-1)(x+1)(x^2+1)}$$

Sequence: A037737
Score: 10.2803
Type of gen. func.: ogf

$$\frac{3x^2+x+2}{(x-1)(4x-1)(x+1)(x^2+1)}$$

Sequence: A037737
Score: 7.40429
Type of gen. func.: lgdogf

$$-\frac{36x^6+10x^5+37x^4-8x^3+12x^2-6x-9}{(x-1)(4x-1)(x+1)(x^2+1)(3x^2+x+2)}$$

Sequence: A037738
Score: 10.4386
Type of gen. func.: ogf

$$\frac{3 x^{2} + x + 2}{(x - 1) (5 x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A037738
Score: 7.43322
Type of gen. func.: lgdogf

$$- \frac{45 x^{6} + 14 x^{5} + 47 x^{4} - 8 x^{3} + 15 x^{2} - 6 x - 11}{(x - 1) (5 x - 1) (x + 1) (x^{2} + 1) (3 x^{2} + x + 2)}$$

Sequence: A037739
Score: 9.28185
Type of gen. func.: ogf

$$\frac{3 x^{2} + x + 2}{(x - 1) (6 x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A037740
Score: 6.27446
Type of gen. func.: lgdogf

$$- \frac{63 x^{6} + 22 x^{5} + 67 x^{4} - 8 x^{3} + 21 x^{2} - 6 x - 15}{(x - 1) (7 x - 1) (x + 1) (x^{2} + 1) (3 x^{2} + x + 2)}$$

Sequence: A037740
Score: 8.83333
Type of gen. func.: ogf

$$\frac{3 x^{2} + x + 2}{(x - 1) (7 x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A037741
Score: 5.84956
Type of gen. func.: lgdogf

$$-\frac{72 x^6 + 26 x^5 + 77 x^4 - 8 x^3 + 24 x^2 - 6 x - 17}{(x - 1) (8 x - 1) (x + 1) (x^2 + 1) (3 x^2 + x + 2)}$$

Sequence: A037741
Score: 8.24466
Type of gen. func.: ogf

$$\frac{3 x^2 + x + 2}{(x - 1) (8 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037742
Score: 5.33310
Type of gen. func.: lgdogf

$$-\frac{81 x^6 + 30 x^5 + 87 x^4 - 8 x^3 + 27 x^2 - 6 x - 19}{(x - 1) (9 x - 1) (x + 1) (x^2 + 1) (3 x^2 + x + 2)}$$

Sequence: A037742
Score: 7.61715
Type of gen. func.: ogf

$$\frac{3 x^2 + x + 2}{(x - 1) (9 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037743
Score: 11.0794
Type of gen. func.: ogf

$$\frac{3 x^2 + x + 2}{(x - 1) (10 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037744
Score: 10.3317
Type of gen. func.: ogf

$$\frac{x^3 + 3 x + 2}{(x - 1) (4 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037744
Score: 8.12752
Type of gen. func.: lgdogf

$$- \frac{8 x^7 - x^6 + 48 x^5 + 31 x^4 - 3 x^2 - 11}{(x - 1) (4 x - 1) (x + 1) (x^2 + 1) (x^3 + 3 x + 2)}$$

Sequence: A037745
Score: 10.4893
Type of gen. func.: ogf

$$\frac{x^3 + 3 x + 2}{(x - 1) (5 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037745
Score: 7.56001
Type of gen. func.: lgdogf

$$- \frac{10 x^7 - x^6 + 60 x^5 + 41 x^4 + 2 x^3 - 3 x^2 - 13}{(x - 1) (5 x - 1) (x + 1) (x^2 + 1) (x^3 + 3 x + 2)}$$

Sequence: A037746
Score: 9.28185
Type of gen. func.: ogf

3

$$\frac{x + 3 x + 2}{(x - 1) (6 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037747
Score: 6.35006
Type of gen. func.: lgdogf

$$- \frac{14 x^7 - x^6 + 84 x^5 + 61 x^4 + 6 x^3 - 3 x^2 - 17}{(x - 1) (7 x - 1) (x + 1) (x^2 + 1) (x^3 + 3 x + 2)}$$

Sequence: A037747
Score: 8.83333
Type of gen. func.: ogf

$$\frac{x^3 + 3 x + 2}{(x - 1) (7 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037748
Score: 5.95486
Type of gen. func.: lgdogf

$$- \frac{16 x^7 - x^6 + 96 x^5 + 71 x^4 + 8 x^3 - 3 x^2 - 19}{(x - 1) (8 x - 1) (x + 1) (x^2 + 1) (x^3 + 3 x + 2)}$$

Sequence: A037748
Score: 8.29205
Type of gen. func.: ogf

$$\frac{x^3 + 3 x + 2}{(x - 1) (8 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037749
Score: 7.66361

Type of gen. func.: ogf

$$\frac{x^3 + 3 x + 2}{(x - 1) (9 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037750
Score: 6.82144
Type of gen. func.: ogf

$$\frac{x^3 + 3 x + 2}{(x - 1) (10 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037751
Score: 10.2949
Type of gen. func.: lgdogf

$$- \frac{12 x^4 + 22 x^3 - 25 x^2 + 20 x - 11}{(x + 2) (x - 1) (4 x - 1) (x^2 + 1)}$$

Sequence: A037751
Score: 10.3317
Type of gen. func.: ogf

$$\frac{x + 2}{(4 x - 1) (x - 1) (x^2 + 1)}$$

Sequence: A037751
Score: 4.63408
Type of gen. func.: ogf

$$-(988827 f(x) - 1346096)$$

$$(4 f(x) x^4 - 5 f(x) x^3 + 5 f(x) x^2 - 5 f(x) x + f(x) - x - 2)$$

Sequence: A037752
Score: 4.50778
Type of gen. func.: ogf

$$(52174 f(x) - 30575)$$

$$(5 f(x) x^4 - 6 f(x) x^3 + 6 f(x) x^2 - 6 f(x) x + f(x) - x - 2)$$

Sequence: A037752
Score: 9.48875
Type of gen. func.: lgdogf

$$- \frac{15 x^4 + 28 x^3 - 30 x^2 + 24 x - 13}{(x + 2) (5 x - 1) (x - 1) (x^2 + 1)}$$

Sequence: A037752
Score: 9.53284
Type of gen. func.: ogf

$$\frac{x + 2}{(x - 1) (5 x - 1) (x^2 + 1)}$$

Sequence: A037753
Score: 4.28934
Type of gen. func.: ogf

$$(2178401 f(x) - 623484)$$

$$(6 f(x) x^4 - 7 f(x) x^3 + 7 f(x) x^2 - 7 f(x) x + f(x) - x - 2)$$

Sequence: A037753
Score: 9.28185
Type of gen. func.: ogf

$$\frac{x + 2}{(6 x - 1) (x - 1) (x^2 + 1)}$$

Sequence: A037754
Score: 4.4936
Type of gen. func.: ogf

$$(14801715 f(x) - 2129981)$$

$$(7 f(x) x^4 - 8 f(x) x^3 + 8 f(x) x^2 - 8 f(x) x + f(x) - x - 2)$$

Sequence: A037754
Score: 9.83598
Type of gen. func.: lgdogf

$$- \frac{21 x^4 + 40 x^3 - 40 x^2 + 32 x - 17}{(x - 1) (7 x - 1) (x + 2) (x^2 + 1)}$$

Sequence: A037754
Score: 9.87118
Type of gen. func.: ogf

$$\frac{x + 2}{(x - 1) (7 x - 1) (x^2 + 1)}$$

Sequence: A037755
Score: 3.71923
Type of gen. func.: ogf

$$(153184279 f(x) - 10391744)$$

$$(8 f(x) x^4 - 9 f(x) x^3 + 9 f(x) x^2 - 9 f(x) x + f(x) - x - 2)$$

Sequence: A037755
Score: 8.23755
Type of gen. func.: lgdogf

$$- \frac{24 x^4 + 46 x^3 - 45 x^2 + 36 x - 19}{(x + 2) (8 x - 1) (x - 1) (x^2 + 1)}$$

Sequence: A037755
Score: 8.29205
Type of gen. func.: ogf

$$\frac{x + 2}{(8 x - 1) (x - 1) (x^2 + 1)}$$

Sequence: A037756
Score: 3.46282
Type of gen. func.: ogf

$$(9805352 f(x) - 234981)$$

$$(9 f(x) x^4 - 10 f(x) x^3 + 10 f(x) x^2 - 10 f(x) x + f(x) - x - 2)$$

Sequence: A037756
Score: 7.30438
Type of gen. func.: ogf

$$\frac{x + 2}{(9 x - 1) (x - 1) (x^2 + 1)}$$

Sequence: A037756
Score: 7.47782
Type of gen. func.: lgdogf

$$- \frac{27 x^4 + 52 x^3 - 50 x^2 + 40 x - 21}{(x + 2) (9 x - 1) (x - 1) (x^2 + 1)}$$

Sequence: A037757
Score: 10.7385
Type of gen. func.: ogf

$$\frac{x + 2}{(10 x - 1) (x - 1) (x^2 + 1)}$$

Sequence: A037757
Score: 5.13239
Type of gen. func.: ogf

$$(29729901 f(x) + 79300)$$

$$(10 f(x) x^4 - 11 f(x) x^3 + 11 f(x) x^2 - 11 f(x) x + f(x) - x - 2)$$

Sequence: A037757
Score: 6.75260
Type of gen. func.: lgdogf

$$-\frac{30 x^4 + 58 x^3 - 55 x^2 + 44 x - 23}{(x + 2) (10 x - 1) (x - 1) (x^2 + 1)}$$

Sequence: A037758
Score: 7.35347
Type of gen. func.: lgdogf

$$-\frac{2 (8 x^7 + 5 x^6 - x^5 + 30 x^4 + 2 x^3 - x^2 - x - 6)}{(x - 1) (4 x - 1) (x + 1) (2 x^3 + x^2 + 3) (x^2 + 1)}$$

Sequence: A037758
Score: 9.69589
Type of gen. func.: ogf

$$\frac{2 x^3 + x^2 + 3}{(x - 1) (4 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037759
Score: 6.39691
Type of gen. func.: lgdogf

$$-\frac{20 x^7 + 13 x^6 - 2 x^5 + 75 x^4 + 8 x^3 - x^2 - 2 x - 15}{(x - 1) (5 x - 1) (x + 1) (2 x^3 + x^2 + 3) (x^2 + 1)}$$

Sequence: A037759
Score: 8.94620
Type of gen. func.: ogf

$$\frac{2 x^3 + x^2 + 3}{(x - 1) (5 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037760
Score: 6.91607
Type of gen. func.: lgdogf

$$- \frac{2 (12 x^7 + 8 x^6 - x^5 + 45 x^4 + 6 x^3 - x - 9)}{(x - 1) (6 x - 1) (x + 1) (2 x^3 + x^2 + 3) (x^2 + 1)}$$

Sequence: A037760
Score: 8.80283
Type of gen. func.: ogf

$$\frac{2 x^3 + x^2 + 3}{(x - 1) (6 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037761
Score: 5.82487
Type of gen. func.: lgdogf

$$- \frac{28 x^7 + 19 x^6 - 2 x^5 + 105 x^4 + 16 x^3 + x^2 - 2 x - 21}{(x - 1) (7 x - 1) (x + 1) (2 x^3 + x^2 + 3) (x^2 + 1)}$$

Sequence: A037761
Score: 8.42563
Type of gen. func.: ogf

$$2 x^3 + x^2 + 3$$

$$\frac{}{(x - 1) (7 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037762
Score: 7.87069
Type of gen. func.: ogf

$$\frac{2 x^3 + x^2 + 3}{(x - 1) (8 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037763
Score: 7.27917
Type of gen. func.: ogf

$$\frac{2 x^3 + x^2 + 3}{(x - 1) (9 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037764
Score: 6.41419
Type of gen. func.: ogf

$$\frac{2 x^3 + x^2 + 3}{(x - 1) (10 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037765
Score: 6.86324
Type of gen. func.: lgdogf

$$- \frac{8 x^7 + 23 x^6 - 4 x^5 + 60 x^4 - 4 x^3 + 5 x^2 - 4 x - 12}{(x - 1) (4 x - 1) (x + 1) (x^2 + 1) (x^3 + 2 x^2 + 3)}$$

Sequence: A037765
Score: 9.69589
Type of gen. func.: ogf

$$\frac{x^3 + 2 x^2 + 3}{(x - 1) (4 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037766
Score: 6.25632
Type of gen. func.: lgdogf

$$- \frac{10 x^7 + 29 x^6 - 4 x^5 + 75 x^4 - 2 x^3 + 7 x^2 - 4 x - 15}{(x - 1) (5 x - 1) (x + 1) (x^2 + 1) (x^3 + 2 x^2 + 3)}$$

Sequence: A037766
Score: 8.94620
Type of gen. func.: ogf

$$\frac{x^3 + 2 x^2 + 3}{(x - 1) (5 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037767
Score: 6.59061
Type of gen. func.: lgdogf

$$- \frac{12 x^7 + 35 x^6 - 4 x^5 + 90 x^4 + 9 x^2 - 4 x - 18}{(x - 1) (6 x - 1) (x + 1) (x^2 + 1) (x^3 + 2 x^2 + 3)}$$

Sequence: A037767
Score: 8.80283
Type of gen. func.: ogf

$$\frac{x^3 + 2 x^2 + 3}{(x - 1) (6 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037768
Score: 5.70094
Type of gen. func.: lgdogf

$$-\frac{14x^7+41x^6-4x^5+105x^4+2x^3+11x^2-4x-21}{(x-1)(7x-1)(x+1)(x^2+1)(x^3+2x^2+3)}$$

Sequence: A037768
Score: 8.42563
Type of gen. func.: ogf

$$\frac{x^3+2x^2+3}{(x-1)(7x-1)(x+1)(x^2+1)}$$

Sequence: A037769
Score: 7.87069
Type of gen. func.: ogf

$$\frac{x^3+2x^2+3}{(x-1)(8x-1)(x+1)(x^2+1)}$$

Sequence: A037770
Score: 7.27917
Type of gen. func.: ogf

$$\frac{x^3+2x^2+3}{(x-1)(9x-1)(x+1)(x^2+1)}$$

Sequence: A037771
Score: 6.41419
Type of gen. func.: ogf

$$\frac{x^3+2x^2+3}{(x-1)(10x-1)(x+1)(x^2+1)}$$

Sequence: A037772
Score: 4.34644
Type of gen. func.: ogf

$$-(5109093 f(x) + 2398960)$$

$$(4 f(x) x^4 - 5 f(x) x^3 + 5 f(x) x^2 - 5 f(x) x - 2 x^2 + f(x) + 2 x - 3)$$

Sequence: A037772
Score: 8.23589
Type of gen. func.: lgdogf

$$-\frac{16 x^5 - 34 x^4 + 68 x^3 - 45 x^2 + 26 x - 13}{(x - 1) (4 x - 1) (x^2 + 1) (2 x^2 - 2 x + 3)}$$

Sequence: A037772
Score: 9.13381
Type of gen. func.: ogf

$$\frac{2 x^2 - 2 x + 3}{(4 x - 1) (x - 1) (x^2 + 1)}$$

Sequence: A037773
Score: 4.14573
Type of gen. func.: ogf

$$-(31597 f(x) + 11765)$$

$$(5 f(x) x^4 - 6 f(x) x^3 + 6 f(x) x^2 - 6 f(x) x - 2 x^2 + f(x) + 2 x - 3)$$

Sequence: A037773
Score: 7.53118
Type of gen. func.: lgdogf

$$-\frac{2 (10 x^5 - 21 x^4 + 42 x^3 - 27 x^2 + 16 x - 8)}{}$$

$$(x - 1) (5 x - 1) (x^2 + 1) (2 x^2 - 2 x + 3)$$

Sequence: A037773
Score: 8.47171
Type of gen. func.: ogf

$$\frac{2 x^2 - 2 x + 3}{(x - 1) (5 x - 1) (x^2 + 1)}$$

Sequence: A037774
Score: 3.91907
Type of gen. func.: ogf

$$-(10353631 f(x) + 3248880)$$

$$(6 f(x) x^4 - 7 f(x) x^3 + 7 f(x) x^2 - 7 f(x) x - 2 x^2 + f(x) + 2 x - 3)$$

Sequence: A037774
Score: 7.37107
Type of gen. func.: lgdogf

$$- \frac{24 x^5 - 50 x^4 + 100 x^3 - 63 x^2 + 38 x - 19}{(6 x - 1) (x - 1) (x^2 + 1) (2 x^2 - 2 x + 3)}$$

Sequence: A037774
Score: 8.29252
Type of gen. func.: ogf

$$\frac{2 x^2 - 2 x + 3}{(6 x - 1) (x - 1) (x^2 + 1)}$$

Sequence: A037775
Score: 3.80323
Type of gen. func.: ogf

$$-(2801985 f(x) + 765247)$$

$$(7 f(x) x^4 - 8 f(x) x^3 + 8 f(x) x^2 - 8 f(x) x - 2 x^2 + f(x) + 2 x - 3)$$

Sequence: A037775
Score: 6.87036
Type of gen. func.: lgdogf

$$-\frac{2 (14 x^5 - 29 x^4 + 58 x^3 - 36 x^2 + 22 x - 11)}{(x - 1) (7 x - 1) (x^2 + 1) (2 x^2 - 2 x + 3)}$$

Sequence: A037775
Score: 7.93719
Type of gen. func.: ogf

$$\frac{2 x^2 - 2 x + 3}{(x - 1) (7 x - 1) (x^2 + 1)}$$

Sequence: A037776
Score: 3.45293
Type of gen. func.: ogf

$$-(725899241 f(x) + 176075680)$$

$$(8 f(x) x^4 - 9 f(x) x^3 + 9 f(x) x^2 - 9 f(x) x - 2 x^2 + f(x) + 2 x - 3)$$

Sequence: A037776
Score: 6.53149
Type of gen. func.: lgdogf

$$-\frac{32 x^5 - 66 x^4 + 132 x^3 - 81 x^2 + 50 x - 25}{(8 x - 1) (x - 1) (x^2 + 1) (2 x^2 - 2 x + 3)}$$

Sequence: A037776
Score: 7.45632
Type of gen. func.: ogf

$$\frac{2 x^2 - 2 x + 3}{(8 x - 1) (x - 1) (x^2 + 1)}$$

Sequence: A037777
Score: 3.17548
Type of gen. func.: ogf

$$-(23313269 f(x) + 5094405)$$

$$(9 f(x) x^4 - 10 f(x) x^3 + 10 f(x) x^2 - 10 f(x) x - 2 x^2 + f(x) + 2 x - 3)$$

Sequence: A037777
Score: 5.99757
Type of gen. func.: lgdogf

$$- \frac{2 (18 x^5 - 37 x^4 + 74 x^3 - 45 x^2 + 28 x - 14)}{(x - 1) (9 x - 1) (x^2 + 1) (2 x^2 - 2 x + 3)}$$

Sequence: A037777
Score: 6.57147
Type of gen. func.: ogf

$$\frac{2 x^2 - 2 x + 3}{(9 x - 1) (x - 1) (x^2 + 1)}$$

Sequence: A037778
Score: 4.59214
Type of gen. func.: ogf

$$-(141970899 f(x) + 28250560)$$

$$(10 f(x) x^4 - 11 f(x) x^3 + 11 f(x) x^2 - 11 f(x) x - 2 x^2 + f(x) + 2 x - 3)$$

Sequence: A037778

Score: 8.79516
Type of gen. func.: lgdogf

$$-\frac{40x^5-82x^4+164x^3-99x^2+62x-31}{(10x-1)(x-1)(x^2+1)(2x^2-2x+3)}$$

Sequence: A037778
Score: 9.56171
Type of gen. func.: ogf

$$\frac{2x^2-2x+3}{(10x-1)(x-1)(x^2+1)}$$

Sequence: A037779
Score: 10.3317
Type of gen. func.: ogf

$$\frac{2x^2+x+3}{(x-1)(4x-1)(x+1)(x^2+1)}$$

Sequence: A037779
Score: 7.35347
Type of gen. func.: lgdogf

$$-\frac{24x^6+12x^5+57x^4-12x^3+8x^2-4x-13}{(x-1)(4x-1)(x+1)(x^2+1)(2x^2+x+3)}$$

Sequence: A037780
Score: 6.85017
Type of gen. func.: lgdogf

$$-\frac{2(15x^6+8x^5+36x^4-6x^3+5x^2-2x-8)}{(x-1)(5x-1)(x+1)(x^2+1)(2x^2+x+3)}$$

Sequence: A037780
Score: 9.63266
Type of gen. func.: ogf

$$\frac{2 x^2 + x + 3}{(x - 1) (5 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037781
Score: 6.59061
Type of gen. func.: lgdogf

$$- \frac{36 x^6 + 20 x^5 + 87 x^4 - 12 x^3 + 12 x^2 - 4 x - 19}{(x - 1) (6 x - 1) (x + 1) (x^2 + 1) (2 x^2 + x + 3)}$$

Sequence: A037781
Score: 9.38007
Type of gen. func.: ogf

$$\frac{2 x^2 + x + 3}{(x - 1) (6 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037782
Score: 6.23126
Type of gen. func.: lgdogf

$$- \frac{2 (21 x^6 + 12 x^5 + 51 x^4 - 6 x^3 + 7 x^2 - 2 x - 11)}{(x - 1) (7 x - 1) (x + 1) (x^2 + 1) (2 x^2 + x + 3)}$$

Sequence: A037782
Score: 8.97813
Type of gen. func.: ogf

$$2 x^2 + x + 3$$

$$(x - 1) (7 x - 1) (x + 1) (x^2 + 1)$$

Sequence: A037783
Score: 5.78074
Type of gen. func.: lgdogf

$$- \frac{48 x^6 + 28 x^5 + 117 x^4 - 12 x^3 + 16 x^2 - 4 x - 25}{(x - 1) (8 x - 1) (x + 1) (x^2 + 1) (2 x^2 + x + 3)}$$

Sequence: A037783
Score: 8.43420
Type of gen. func.: ogf

$$\frac{2 x^2 + x + 3}{(x - 1) (8 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037784
Score: 5.43310
Type of gen. func.: lgdogf

$$- \frac{2 (27 x^6 + 16 x^5 + 66 x^4 - 6 x^3 + 9 x^2 - 2 x - 14)}{(x - 1) (9 x - 1) (x + 1) (x^2 + 1) (2 x^2 + x + 3)}$$

Sequence: A037784
Score: 7.75649
Type of gen. func.: ogf

$$\frac{2 x^2 + x + 3}{(x - 1) (9 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037785
Score: 6.82144
Type of gen. func.: ogf

$$\frac{2 x^{2} + x + 3}{(x - 1) (10 x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A037786
Score: 4.50167
Type of gen. func.: ogf

$$-(69933 f(x) + 8120)$$

$$(4 f(x) x^{4} - 5 f(x) x^{3} + 5 f(x) x^{2} - 5 f(x) x - x^{2} + f(x) + x - 3)$$

Sequence: A037786
Score: 8.82416
Type of gen. func.: lgdogf

$$- \frac{8 x^{5} - 17 x^{4} + 58 x^{3} - 45 x^{2} + 28 x - 14}{(x - 1) (4 x - 1) (x^{2} + 1) (x^{2} - x + 3)}$$

Sequence: A037786
Score: 9.13381
Type of gen. func.: ogf

$$\frac{x^{2} - x + 3}{(4 x - 1) (x - 1) (x^{2} + 1)}$$

Sequence: A037787
Score: 4.13798
Type of gen. func.: ogf

$$-(350204 f(x) - 30835)$$

$$(5 f(x) x^{4} - 6 f(x) x^{3} + 6 f(x) x^{2} - 6 f(x) x - x^{2} + f(x) + x - 3)$$

Sequence: A037787
Score: 7.99186

Type of gen. func.: lgdogf

$$-\frac{10 x^5 - 21 x^4 + 72 x^3 - 54 x^2 + 34 x - 17}{(5 x - 1) (x - 1) (x^2 + 1) (x^2 - x + 3)}$$

Sequence: A037787
Score: 8.51583
Type of gen. func.: ogf

$$\frac{x^2 - x + 3}{(x - 1) (5 x - 1) (x^2 + 1)}$$

Sequence: A037788
Score: 3.97351
Type of gen. func.: ogf

$$-(3633439 f(x) - 522168)$$

$$(6 f(x) x^4 - 7 f(x) x^3 + 7 f(x) x^2 - 7 f(x) x - x^2 + f(x) + x - 3)$$

Sequence: A037788
Score: 7.89016
Type of gen. func.: lgdogf

$$-\frac{12 x^5 - 25 x^4 + 86 x^3 - 63 x^2 + 40 x - 20}{(6 x - 1) (x - 1) (x^2 + 1) (x^2 - x + 3)}$$

Sequence: A037788
Score: 8.29252
Type of gen. func.: ogf

$$\frac{x^2 - x + 3}{(6 x - 1) (x - 1) (x^2 + 1)}$$

Sequence: A037789
Score: 3.72562
Type of gen. func.: ogf

$$-(99446418 f(x) - 15361927)$$

$$(7 f(x) x^4 - 8 f(x) x^3 + 8 f(x) x^2 - 8 f(x) x - x^2 + f(x) + x - 3)$$

Sequence: A037789
Score: 7.34093
Type of gen. func.: lgdogf

$$-\frac{14 x^5 - 29 x^4 + 100 x^3 - 72 x^2 + 46 x - 23}{(x - 1) (7 x - 1) (x^2 + 1) (x^2 - x + 3)}$$

Sequence: A037789
Score: 7.93719
Type of gen. func.: ogf

$$\frac{x^2 - x + 3}{(x - 1) (7 x - 1) (x^2 + 1)}$$

Sequence: A037790
Score: 3.47626
Type of gen. func.: ogf

$$-(260036585 f(x) - 39139888)$$

$$(8 f(x) x^4 - 9 f(x) x^3 + 9 f(x) x^2 - 9 f(x) x - x^2 + f(x) + x - 3)$$

Sequence: A037790
Score: 6.88938
Type of gen. func.: lgdogf

$$-\frac{16 x^5 - 33 x^4 + 114 x^3 - 81 x^2 + 52 x - 26}{(8 x - 1) (x - 1) (x^2 + 1) (x^2 - x + 3)}$$

Sequence: A037790
Score: 7.45632
Type of gen. func.: ogf

$$\frac{x^2 - x + 3}{(8 x - 1) (x - 1) (x^2 + 1)}$$

Sequence: A037791
Score: 3.23796
Type of gen. func.: ogf

$$-(2692936 f(x) - 382059)$$

$$(9 f(x) x^4 - 10 f(x) x^3 + 10 f(x) x^2 - 10 f(x) x - x^2 + f(x) + x - 3)$$

Sequence: A037791
Score: 6.45342
Type of gen. func.: lgdogf

$$-\frac{18 x^5 - 37 x^4 + 128 x^3 - 90 x^2 + 58 x - 29}{(x - 1) (9 x - 1) (x^2 + 1) (x^2 - x + 3)}$$

Sequence: A037791
Score: 6.61082
Type of gen. func.: ogf

$$\frac{x^2 - x + 3}{(9 x - 1) (x - 1) (x^2 + 1)}$$

Sequence: A037792
Score: 2.86501
Type of gen. func.: ogf

$$-(51572499 f(x) - 6815920)$$

$$(10 f(x) x^4 - 11 f(x) x^3 + 11 f(x) x^2 - 11 f(x) x - x^2 + f(x) + x - 3)$$

Sequence: A037792
Score: 5.65758
Type of gen. func.: lgdogf

$$-\frac{20 x^5 - 41 x^4 + 142 x^3 - 99 x^2 + 64 x - 32}{(10 x - 1) (x - 1) (x^2 + 1) (x^2 - x + 3)}$$

Sequence: A037792
Score: 5.88700
Type of gen. func.: ogf

$$\frac{x^2 - x + 3}{(10 x - 1) (x - 1) (x^2 + 1)}$$

Sequence: A037793
Score: 10.3317
Type of gen. func.: ogf

$$\frac{x^2 + 2 x + 3}{(x - 1) (4 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037793
Score: 7.62582
Type of gen. func.: lgdogf

$$-\frac{2 (6 x^6 + 15 x^5 + 27 x^4 - 6 x^3 + 2 x^2 - x - 7)}{(x - 1) (4 x - 1) (x + 1) (x^2 + 1) (x^2 + 2 x + 3)}$$

Sequence: A037794
Score: 6.76958
Type of gen. func.: lgdogf

6   5   4   3   2

$$-\frac{15 x + 38 x + 69 x - 12 x + 5 x - 2 x - 17}{(x - 1) (5 x - 1) (x + 1) (x^2 + 1) (x^2 + 2 x + 3)}$$

Sequence: A037794
Score: 9.63266
Type of gen. func.: ogf

$$\frac{x^2 + 2 x + 3}{(x - 1) (5 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037795
Score: 6.83173
Type of gen. func.: lgdogf

$$-\frac{2 (9 x^6 + 23 x^5 + 42 x^4 - 6 x^3 + 3 x^2 - x - 10)}{(x - 1) (6 x - 1) (x + 1) (x^2 + 1) (x^2 + 2 x + 3)}$$

Sequence: A037795
Score: 9.38007
Type of gen. func.: ogf

$$\frac{x^2 + 2 x + 3}{(x - 1) (6 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037796
Score: 6.30457
Type of gen. func.: lgdogf

$$-\frac{21 x^6 + 54 x^5 + 99 x^4 - 12 x^3 + 7 x^2 - 2 x - 23}{(x - 1) (7 x - 1) (x + 1) (x^2 + 1) (x^2 + 2 x + 3)}$$

Sequence: A037796
Score: 8.97813

Type of gen. func.: ogf

$$\frac{x^2 + 2 x + 3}{(x - 1) (7 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037797
Score: 5.98720
Type of gen. func.: lgdogf

$$- \frac{2 (12 x^6 + 31 x^5 + 57 x^4 - 6 x^3 + 4 x^2 - x - 13)}{(x - 1) (8 x - 1) (x + 1) (x^2 + 1) (x^2 + 2 x + 3)}$$

Sequence: A037797
Score: 8.43420
Type of gen. func.: ogf

$$\frac{x^2 + 2 x + 3}{(x - 1) (8 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037798
Score: 5.46643
Type of gen. func.: lgdogf

$$- \frac{27 x^6 + 70 x^5 + 129 x^4 - 12 x^3 + 9 x^2 - 2 x - 29}{(x - 1) (9 x - 1) (x + 1) (x^2 + 1) (x^2 + 2 x + 3)}$$

Sequence: A037798
Score: 7.80293
Type of gen. func.: ogf

$$\frac{x^2 + 2 x + 3}{(x - 1) (9 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037799
Score: 6.82144
Type of gen. func.: ogf

$$\frac{x^2 + 2 x + 3}{(x - 1) (10 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A037824
Score: 12.2642
Type of gen. func.: ogf

$$x^8 / ((x + 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^6 + x^3 + 1) (x - 1)^2)$$

Sequence: A037825
Score: 11.2495
Type of gen. func.: ogf

$$x^9 / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A037833
Score: 7.96121
Type of gen. func.: ogf

$$- x^9 (x^{11} - x - 1) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A037860
Score: 8.35679
Type of gen. func.: ogf

9 / 10 9 8 7 6 5 4 3 2 2

```
- x   /  ((x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x + 1)
     /

      4    3    2          2   4    3    2          2        3
    (x  + x  + x  + x + 1)  (x  - x  + x  - x + 1)  (x - 1) )
```

Sequence: A037878
Score: 8.35679
Type of gen. func.: ogf

$$-x^9 \Big/ \left((x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x+1)^2 (x^4+x^3+x^2+x+1)^2 (x^4-x^3+x^2-x+1)^2 (x-1)^3\right)$$

Sequence: A037913
Score: 10.4606
Type of gen. func.: lgdogf

$$-\frac{x(9x^{11}+11x^9+2)}{(x-1)(x^2+1)(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A037913
Score: 9.61724
Type of gen. func.: ogf

$$-\frac{x^9(x^2+1)}{(x-1)(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A037915
Score: 12.6262
Type of gen. func.: lgdogf

$$-\frac{2x^6+4x^5+2x^4+7x^3+5x^2+3x+1}{(x-1)(x+1)(x^2+1)(x^3+x^2+1)}$$

Sequence: A037915
Score: 13.8615
Type of gen. func.: ogf

$$\frac{x^3 + x^2 + 1}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A037925
Score: 2.81425
Type of gen. func.: ogf

$$(f(x) x - f(x) - 14 x + 16)^3$$

Sequence: A037951
Score: 9.31418
Type of gen. func.: lgdogf

$$- \frac{32 x^2 + 2 x - 7 + 7 (-(-1 + 2 x) (2 x + 1))^{1/2}}{2 x (2 x + 1) (-1 + 2 x)}$$

Sequence: A037952
Score: 4.46535
Type of gen. func.: ogf

$$\{(4 n^2 + 20 n + 24) a(n + 1) + (6 + 2 n) a(n + 2) + (-n^2 - 7 n - 10) a(n + 3),$$

$$a(0) = 0, a(1) = 1, a(2) = 1\}$$

Sequence: A037952
Score: 7.89662
Type of gen. func.: ogf

$$-2 f(x)^2 x^3 + f(x)^2 x^2 - 2 f(x) x^2 - f(x) x + f(x) - x$$

Sequence: A037953
Score: 8.66435
Type of gen. func.: lgdogf

$$-\frac{48 x^2 + 2 x - 11 + 11 (-(-1 + 2 x) (2 x + 1))^{1/2}}{2 x (2 x + 1) (-1 + 2 x)}$$

Sequence: A037955
Score: 3.67452
Type of gen. func.: ogf

$$\{(4 n^2 + 20 n + 24) a(n + 1) + (6 + 2 n) a(n + 2) + (-n^2 - 7 n - 6) a(n + 3),$$
$$a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A037955
Score: 8.38668
Type of gen. func.: ogf

$$2 f(x)^2 x^4 - f(x)^2 x^3 - 2 f(x) x^3 + 3 f(x) x^2 + f(x) x + x^2 - f(x)$$

Sequence: A037957
Score: 9.05914
Type of gen. func.: lgdogf

$$-\frac{56 x^2 + 2 x - 13 + 13 (-(-1 + 2 x) (2 x + 1))^{1/2}}{2 x (2 x + 1) (-1 + 2 x)}$$

Sequence: A037958
Score: 8.63532
Type of gen. func.: lgdogf

$$-\frac{72 x^2 + 2 x - 17 + 17 (-(-1 + 2 x) (2 x + 1))^{1/2}}{2 x (2 x + 1) (-1 + 2 x)}$$

Sequence: A037959
Score: 9.49079
Type of gen. func.: lgdegf]

$$5 (3 x^3 + 21 x^2 + 26 x + 6)$$

$$- \frac{}{(x - 1) (3 x^3 + 16 x^2 + 14 x + 2)}$$

Sequence: A037960
Score: 10.2296
Type of gen. func.: egf]

$$- \frac{x (2 x + 1)}{(x - 1)^5}$$

Sequence: A037960
Score: 23.6485
Type of gen. func.: lgdegf]

$$- \frac{7 + 8 x}{(2 x + 1) (x - 1)}$$

Sequence: A037960
Score: 4.51305
Type of gen. func.: ogf

$$\{(4 n^2 + 24 n + 32) a(n + 1) + (3 n^2 + 23 n + 62) a(n + 2) + (-6 - 3 n) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 14\}$$

Sequence: A037961
Score: 2.99987
Type of gen. func.: ogf

$$\{(8 n^2 + 64 n + 120) a(n + 1) + (n^2 + 3 n + 32) a(n + 2) + (-2 - n) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 30\}$$

Sequence: A037961
Score: 5.04929
Type of gen. func.: egf]

$$- \frac{x (6 x^2 + 8 x + 1)}{}$$

$$(x - 1)^7$$

Sequence: A037962
Score: 8.46630
Type of gen. func.: lgdegf]

$$-\frac{144 x^3 + 478 x^2 + 292 x + 31}{(x - 1) (24 x^3 + 58 x^2 + 22 x + 1)}$$

Sequence: A037963
Score: 6.96894
Type of gen. func.: lgdegf]

$$-\frac{21 (40 x^4 + 192 x^3 + 204 x^2 + 56 x + 3)}{(x - 1) (120 x^4 + 444 x^3 + 328 x^2 + 52 x + 1)}$$

Sequence: A037965
Score: 22.5755
Type of gen. func.: lgdogf

$$-\frac{4 (x - 1)}{(-1 + 4 x) (-1 + 2 x)}$$

Sequence: A037965
Score: 3.82530
Type of gen. func.: ogf

{(-2 - n) a(n + 3) + (10 + 6 n) a(n + 2) + (-4 - 8 n) a(n + 1), a(0) = 0,

a(1) = 1, a(2) = 4}

Sequence: A037965
Score: 7.20541
Type of gen. func.: ogf

$$-64 f(x)^2 x^3 + 48 f(x)^2 x^2 - 4 x^4 - 12 f(x)^2 x + 4 x^3 + f(x)^2 - x^2$$

Sequence: A037966
Score: 14.2923
Type of gen. func.: lgdogf

$$-\frac{4\,(2\,x^2-x+2)}{(-1+4\,x)\,(4\,x^2-2\,x+1)}$$

Sequence: A037972
Score: 10.0057
Type of gen. func.: lgdogf

$$-\frac{12\,(2\,x^3-2\,x^2-1)}{(-1+4\,x)\,(12\,x^3-10\,x^2+2\,x-1)}$$

Sequence: A038033
Score: 2.91557
Type of gen. func.: ogf

$$\{(n^2+11\,n+30)\,a(n+1)+(n^2+9\,n+18)\,a(n+2)+(-n-3)\,a(n+3),$$

$$a(0)=6,\ a(1)=24,\ a(2)=180\}$$

Sequence: A038035
Score: 18.9564
Type of gen. func.: revegf]

$$\frac{2\,x\,(x-1)}{x^2-2}$$

Sequence: A038035
Score: 4.57582
Type of gen. func.: egf]

$$-2\,f(x)^2\,x^4+12\,f(x)^2\,x^3-25\,f(x)^2\,x^2+20\,f(x)^2\,x+4\,f(x)\,x^2-4\,f(x)^2$$

$$-8\,f(x)\,x+2\,f(x)+2$$

```
------------------------------------------------------------------------------

Sequence:  A038112
Score: 3.47446
Type of gen. func.: ogf


      2                                 2
{(27 n  + 108 n + 105) a(n + 1) + (22 n  + 99 n + 110) a(n + 2)

            2
     + (-5 n  - 25 n - 30) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 9}



------------------------------------------------------------------------------

Sequence:  A038112
Score: 8.57035
Type of gen. func.: ogf


                       3  2          3           3
                27 f(x)  x  + 22 f(x)  x - 5 f(x)  + 4 f(x) + 1



------------------------------------------------------------------------------

Sequence:  A038121
Score: 4.79778
Type of gen. func.: ogf


           2
     {(-2 n  - 19 n - 45) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 28}



------------------------------------------------------------------------------

Sequence:  A038121
Score: 9.83009
Type of gen. func.: lgdegf]


                                 3       2
                           7 (5 x  + 60 x  + 60 x + 8)
                     - ------------------------------------
                                       3       2
                       (-1 + 2 x) (5 x  + 45 x  + 30 x + 2)



------------------------------------------------------------------------------

Sequence:  A038122
Score: 4.74994
Type of gen. func.: ogf


    15       14       13      12       11       10      9       8       7
(4 x   + 60 x   + 12 x   + 8 x   - 60 x   - 12 x   - 8 x  + 60 x  + 12 x

          6       5       4       3              /             2
     + 7 x  - 63 x  - 12 x  - 15 x  - 3 x - 1)  /  ((x - 1) (x  + 1)
                                               /
```

$(x^2 + x + 1) (x^4 - x^2 + 1))$

Sequence: A038123
Score: 13.7464
Type of gen. func.: lgdogf

$$- \frac{10 x^4 + 20 x^3 + 26 x^2 + 19 x + 9}{(x - 1) (x^2 + x + 1) (5 x^2 + 5 x + 4)}$$

Sequence: A038123
Score: 13.7861
Type of gen. func.: ogf

$$\frac{5 x^2 + 5 x + 4}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A038123
Score: 4.88927
Type of gen. func.: ogf

{(-14 n - 55) a(n + 1) - 14 a(n + 2) - 14 a(n + 3) + (14 n + 41) a(n + 4),

a(0) = 4, a(1) = 9, a(2) = 14, a(3) = 18}

Sequence: A038123
Score: 7.18765
Type of gen. func.: ogf

$$(448 f(x) + 18469) (f(x) x^4 - f(x) x^3 - f(x) x - 5 x^2 + f(x) - 5 x - 4)$$

Sequence: A038126
Score: 15.6140
Type of gen. func.: ogf

$$\frac{x (3 x + 2)}{(x + 1) (x - 1)^2}$$

Sequence: A038126
Score: 25.8095
Type of gen. func.: lgdogf

$$-\frac{6x^2+9x+5}{(x-1)(3x+2)(x+1)}$$

Sequence: A038126
Score: 7.73914
Type of gen. func.: ogf

$$-(115 f(x) - 187) (f(x) x^3 - f(x) x^2 - f(x) x - 3 x^2 + f(x) - 2 x)$$

Sequence: A038126
Score: 8.01802
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 0, a(1) = 2, a(2) = 5\}$$

Sequence: A038127
Score: 10.6795
Type of gen. func.: ogf

$$\frac{x (x + 1) (x^2 + x + 2)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A038127
Score: 11.8065
Type of gen. func.: lgdogf

$$-\frac{x^5 + 5 x^4 + 12 x^3 + 16 x^2 + 9 x + 5}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 + x + 2)}$$

Sequence: A038127
Score: 5.02970
Type of gen. func.: ogf

$$\{(4 n + 7) a(n) + 4 a(n + 1) + 4 a(n + 2) + (-4 n - 3) a(n + 3), a(0) = 0, a(1) = 2, a(2) = 5, a(3) = 7\}$$

Sequence: A038127
Score: 6.09066
Type of gen. func.: ogf

$$-(4 f(x) - 23) (f(x) x^4 - f(x) x^3 - x^4 - 2 x^3 - f(x) x - 3 x^2 + f(x) - 2 x)$$

Sequence: A038130
Score: 7.97403
Type of gen. func.: ogf

$$\frac{x (x^7 + 6 x^6 + 6 x^5 + 6 x^4 + 7 x^3 + 6 x^2 + 6 x + 6)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A038138
Score: 12.0523
Type of gen. func.: ogf

$$-\frac{x (2 x^5 + 6 x^4 + 3 x^3 + 6 x^2 + 3 x + 1)}{(x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A038139
Score: 11.3480
Type of gen. func.: ogf

$$-\frac{2 x^7 + 3 x^6 + 6 x^4 + 3 x^3 + 6 x + 1}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A038151
Score: 5.16434
Type of gen. func.: ogf

$$f(x)^2 x^3 + 3 f(x)^2 x^2 + 2 f(x)^2 x - f(x) x^2 - f(x)^2 - 2 f(x) x + f(x) + x$$

Sequence: A038152
Score: 6.59377
Type of gen. func.: ogf

$$\frac{x^7 + 23 x^6 + 23 x^5 + 23 x^4 + 23 x^3 + 23 x^2 + 23 x + 23}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A038154
Score: 4.14652
Type of gen. func.: ogf

$$\{(-n^2 - 5 n - 6) a(n + 1) + (n^2 + 5 n + 6) a(n + 2) + (-1 - n) a(n + 3),$$

$$a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A038154
Score: 56.1539
Type of gen. func.: lgdegf]

$$\frac{-2 + x}{x - 1}$$

Sequence: A038155
Score: 3.97688
Type of gen. func.: ogf

$$\{(-n^2 - 5 n - 6) a(n + 1) + (n^2 + 5 n + 6) a(n + 2) + (-1 - n) a(n + 3),$$

$$a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A038155
Score: 58.7298
Type of gen. func.: lgdegf]

$$\frac{-2 + x}{x - 1}$$

Sequence: A038156
Score: 4.24028
Type of gen. func.: ogf

$$\{(n^2 + 3 n + 2) a(n) + (-n^2 - 4 n - 4) a(n + 1) + (n + 1) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A038157
Score: 3.76224
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) + (-n^2 - 5 n - 6) a(n + 2) + (n + 1) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6\}$$

Sequence: A038158
Score: 3.69158
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) + (-n^2 - 5 n - 6) a(n + 2) + (n + 1) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 3\}$$

Sequence: A038163
Score: 10.0693
Type of gen. func.: ogf

$$\frac{1}{(x + 1)^3 (x - 1)^6}$$

Sequence: A038163
Score: 15.7905
Type of gen. func.: lgdogf

$$-\frac{-9x-3}{-x^2+1}$$

Sequence: A038163
Score: 30.9195
Type of gen. func.: lgdogf

$$-\frac{3(3x+1)}{(x-1)(x+1)}$$

Sequence: A038163
Score: 32.8422
Type of gen. func.: ogf_with_Euler_transform]

[3 + 3 x]

Sequence: A038163
Score: 5.14652
Type of gen. func.: ogf

{(n + 3) a(n + 3) - 3 a(n + 2) + (-10 - n) a(n + 1), a(0) = 1, a(1) = 3,

a(2) = 9}

Sequence: A038164
Score: 15.2809
Type of gen. func.: lgdogf

$$-\frac{-12x-4}{-x^2+1}$$

Sequence: A038164
Score: 30.6152
Type of gen. func.: lgdogf

$$-\frac{4(3x+1)}{(x-1)(x+1)}$$

Sequence: A038164
Score: 32.4676
Type of gen. func.: ogf_with_Euler_transform]

[4 + 4 x]

Sequence: A038164
Score: 5.05618
Type of gen. func.: ogf

{(n + 3) a(n + 3) - 4 a(n + 2) + (-13 - n) a(n + 1), a(0) = 1, a(1) = 4,

a(2) = 14}

Sequence: A038164
Score: 5.68298
Type of gen. func.: ogf

$$\frac{1}{(x+1)^4 (x-1)^8}$$

Sequence: A038165
Score: 15.4803
Type of gen. func.: lgdogf

$$-\frac{-15 x - 5}{-x^2 + 1}$$

Sequence: A038165
Score: 31.0341
Type of gen. func.: lgdogf

$$-\frac{5 (3 x + 1)}{(x - 1) (x + 1)}$$

Sequence: A038165
Score: 32.8682
Type of gen. func.: ogf_with_Euler_transform]

[5 + 5 x]

Sequence: A038165
Score: 4.61334
Type of gen. func.: ogf

$$\frac{1}{(x+1)^{5}\,(x-1)^{10}}$$

Sequence: A038165
Score: 5.12216
Type of gen. func.: ogf

{(n + 3) a(n + 3) - 5 a(n + 2) + (-16 - n) a(n + 1), a(0) = 1, a(1) = 5,

a(2) = 20}

Sequence: A038166
Score: 15.0409
Type of gen. func.: lgdogf

$$-\frac{-18\,x-6}{-x^{2}+1}$$

Sequence: A038166
Score: 30.1470
Type of gen. func.: lgdogf

$$-\frac{6\,(3\,x+1)}{(x-1)\,(x+1)}$$

Sequence: A038166
Score: 31.9092
Type of gen. func.: ogf_with_Euler_transform]

[6 + 6 x]

Sequence: A038166
Score: 4.97676
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) - 6 a(n + 2) + (-19 - n) a(n + 1), a(0) = 1, a(1) = 6, a(2) = 27\}$$

Sequence: A038167
Score: 8.44881
Type of gen. func.: lgdogf

$$-\frac{7 x^7 + 31 x^6 + 37 x^5 + 25 x^4 + 20 x^3 + 18 x^2 + 9 x + 3}{(x - 1) (x + 1) (x^2 + 3 x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A038167
Score: 9.18727
Type of gen. func.: ogf

$$-\frac{x (x^2 + 3 x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A038179
Score: 11.1293
Type of gen. func.: lgdogf

$$\frac{2 x^5 - 2 x^4 - 9 x^3 - 5 x^2 - 7 x - 3}{(x - 1) (x + 1) (2 x^4 + x^3 + x + 2)}$$

Sequence: A038179
Score: 4.71424
Type of gen. func.: ogf

$$\{-a(n + 5) + a(n + 4) + a(n + 3) - a(n + 2), a(0) = 2, a(1) = 3, a(2) = 5, a(3) = 7, a(4) = 11\}$$

Sequence: A038179
Score: 5.74425
Type of gen. func.: ogf

$$(4 f(x) - 3) (f(x) x^3 - 2 x^4 - f(x) x^2 - x^3 - f(x) x + f(x) - x - 2)$$

Sequence: A038179
Score: 9.90674
Type of gen. func.: ogf

$$\frac{2 x^4 + x^3 + x + 2}{(x + 1) (x - 1)^2}$$

Sequence: A038196
Score: 10.1607
Type of gen. func.: lgdogf

$$- \frac{4 x^7 - 5 x^6 - 8 x^5 + 3 x^4 + 4 x^3 + 2 x^2 + 2 x + 1}{(x^2 - x - 1) (x^6 - x^4 - 2 x^2 + 1)}$$

Sequence: A038196
Score: 11.4835
Type of gen. func.: ogf

$$- \frac{x^2 - x - 1}{x^6 - x^4 - 2 x^2 + 1}$$

Sequence: A038197
Score: 6.27622
Type of gen. func.: ogf

$$- \frac{x^5 - 2 x^4 + 2 x^3 - x^2 - 1}{(x^2 - x + 1) (x^9 - 3 x^3 + 1)}$$

Sequence: A038201
Score: 5.61254
Type of gen. func.: ogf

$$-\frac{x^{12}-x^{11}-x^{8}+x^{7}-x^{5}-2x^{4}+x^{3}+x^{2}+x+1}{x^{20}-x^{16}-4x^{12}+3x^{8}+3x^{4}-1}$$

Sequence: A038205
Score: 19.2224
Type of gen. func.: lgdegf]

$$-\frac{x^{2}}{x-1}$$

Sequence: A038205
Score: 4.04682
Type of gen. func.: ogf

$$\{(n^{2}+5n+6)\,a(n+1)+(n+3)\,a(n+3)-a(n+4),\ a(0)=1,\ a(1)=0,\ a(2)=0,\ a(3)=2\}$$

Sequence: A038205
Score: 40.5957
Type of gen. func.: lgdegf]

$$x^{2}+(x-1)\,f(x)$$

Sequence: A038213
Score: 10.6219
Type of gen. func.: lgdogf

$$-\frac{x^{4}-6x^{3}+12x^{2}-8x+3}{(x^{2}-3x+1)(x^{3}-5x^{2}+6x-1)}$$

Sequence: A038213
Score: 5.27939
Type of gen. func.: ogf

$$(17 f(x) + 11) (f(x) x^3 - 5 f(x) x^2 + 6 f(x) x + x^2 - f(x) - 3 x + 1)$$

Sequence: A038213
Score: 5.27939
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 5 a(n + 1) + a(n), a(0) = 1, a(1) = 3, a(2) = 14\}$$

Sequence: A038213
Score: 9.77985
Type of gen. func.: ogf

$$-\frac{x^2 - 3 x + 1}{x^3 - 5 x^2 + 6 x - 1}$$

Sequence: A038223
Score: 15.2226
Type of gen. func.: ogf

$$-\frac{1}{x^3 - 5 x^2 + 6 x - 1}$$

Sequence: A038223
Score: 16.2076
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 10 x + 6}{x^3 - 5 x^2 + 6 x - 1}$$

Sequence: A038223
Score: 4.98439
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 5 a(n + 1) - a(n), a(0) = 1, a(1) = 6, a(2) = 31\}$$

Sequence: A038223
Score: 5.5766
Type of gen. func.: ogf

$$(104 f(x) - 9) (f(x) x^3 - 5 f(x) x^2 + 6 f(x) x - f(x) + 1)$$

Sequence: A038223
Score: 8.66517
Type of gen. func.: lgdogf

$$- \frac{3 x^2 - 10 x + 6}{x^3 - 5 x^2 + 6 x - 1}$$

Sequence: A038225
Score: 4.23173
Type of gen. func.: ogf

$$-(f(x) + 1)$$

$$(f(x) x^4 - 7 f(x) x^3 + 15 f(x) x^2 + x^3 - 10 f(x) x - 5 x^2 + f(x) + 6 x - 1)$$

Sequence: A038225
Score: 7.14644
Type of gen. func.: lgdogf

$$- \frac{x^6 - 10 x^5 + 38 x^4 - 68 x^3 + 58 x^2 - 20 x + 4}{(x - 1) (x^3 - 5 x^2 + 6 x - 1) (x^3 - 6 x^2 + 9 x - 1)}$$

Sequence: A038225
Score: 7.65996
Type of gen. func.: ogf

$$x^3 - 5 x^2 + 6 x - 1$$

$$- \frac{}{(x - 1) (x^3 - 6 x^2 + 9 x - 1)}$$

Sequence: A038235
Score: 12.2766
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (x^3 - 6 x^2 + 9 x - 1)}$$

Sequence: A038235
Score: 12.7943
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 21 x^2 + 30 x - 10}{(x - 1) (x^3 - 6 x^2 + 9 x - 1)}$$

Sequence: A038235
Score: 5.04926
Type of gen. func.: ogf

$$(9367 f(x) + 254) (f(x) x^4 - 7 f(x) x^3 + 15 f(x) x^2 - 10 f(x) x + f(x) - 1)$$

Sequence: A038235
Score: 7.36598
Type of gen. func.: lgdogf

$$- \frac{-4 x^3 + 21 x^2 - 30 x + 10}{-x^4 + 7 x^3 - 15 x^2 + 10 x - 1}$$

Sequence: A038237
Score: 7.92506
Type of gen. func.: ogf

$$x^5 + x^4 - 4 x^3 - 3 x^2 + 3 x + 1$$

$$\overline{(x-1)(x+1)(x^3-3x+1)(x^3-3x-1)}$$

Sequence: A038249
Score: 8.10061
Type of gen. func.: ogf

$$-\frac{x^3+x^2-2x-1}{(x-1)(x+1)(x^3-3x+1)(x^3-3x-1)}$$

Sequence: A038261
Score: 5.60378
Type of gen. func.: ogf

$$-\frac{(x-1)(x^3-6x^2+9x-1)}{x^5-9x^4+28x^3-35x^2+15x-1}$$

Sequence: A038339
Score: 7.79133
Type of gen. func.: lgdogf

$$-\frac{5x^4-36x^3+84x^2-70x+15}{x^5-9x^4+28x^3-35x^2+15x-1}$$

Sequence: A038339
Score: 9.10675
Type of gen. func.: ogf

$$-\frac{1}{x^5-9x^4+28x^3-35x^2+15x-1}$$

Sequence: A038340
Score: 5.18598
Type of gen. func.: ogf

$$\frac{(x+1)(x^2+x-1)(x^4-x^3-4x^2+4x+1)}{(x^5+x^4-4x^3-3x^2+3x+1)(x^5-x^4-4x^3+3x^2+3x-1)}$$

Sequence: A038341
Score: 7.06077
Type of gen. func.: ogf

$$\frac{x^3+x^2-2x-1}{(x^5+x^4-4x^3-3x^2+3x+1)(x^5-x^4-4x^3+3x^2+3x-1)}$$

Sequence: A038342
Score: 11.3330
Type of gen. func.: ogf

$$-\frac{1}{x^5-x^4-4x^3+3x^2+3x-1}$$

Sequence: A038348
Score: 15.0077
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^3-x-1}{-x^2+1}$$

Sequence: A038360
Score: 7.88606
Type of gen. func.: ogf

$$(3 f(x) + 128) (2 f(x) x^4 + f(x) x^3 - f(x) x^2 - 2 f(x) x + x^2 + f(x) - x - 1)$$

Sequence: A038376
Score: 12.0544
Type of gen. func.: lgdogf

$$-\frac{-21 x^2 - 14 x - 5}{-3 x^3 - x^2 + 3 x + 1}$$

Sequence: A038376
Score: 19.8304
Type of gen. func.: lgdogf

$$-\frac{21 x^2 + 14 x + 5}{(x - 1) (3 x + 1) (x + 1)}$$

Sequence: A038376
Score: 4.01814
Type of gen. func.: ogf

$$\{(n^2 + 3 n - 4) a(n + 1) + (-4 + 2 n) a(n + 2) + (-n^2 + 3 n - 2) a(n + 3),$$
$$a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 1, a(5) = 5\}$$

Sequence: A038376
Score: 8.55475
Type of gen. func.: ogf

$$-\frac{x^4 (3 x + 1)}{(x + 1)^3 (x - 1)^5}$$

Sequence: A038390
Score: 12.7700
Type of gen. func.: lgdogf

$$-\frac{5 x^5 + 14 x^4 + 6 x^3 + 15 x^2 + 6 x + 2}{(x - 1) (x^2 + x + 1) (x^3 + 2 x^2 + 1)}$$

Sequence: A038390
Score: 7.93190

Type of gen. func.: ogf

$$\frac{x^3 + 2 x^2 + 1}{(x^2 + x + 1)^2 (x - 1)^4}$$

Sequence: A038390
Score: 8.86010
Type of gen. func.: lgdogf

$$- \frac{5 x^5 + 14 x^4 + 6 x^3 + 15 x^2 + 6 x + 2}{x^6 + 2 x^5 - 2 x^2 - 1}$$

Sequence: A038391
Score: 13.1820
Type of gen. func.: lgdogf

$$- \frac{5 x^5 + 2 x^4 + 16 x^3 + 15 x^2 + 6 x + 4}{(x - 1) (x^2 + x + 1) (x^3 + 2 x + 1)}$$

Sequence: A038391
Score: 8.24603
Type of gen. func.: ogf

$$\frac{x^3 + 2 x + 1}{(x^2 + x + 1)^2 (x - 1)^4}$$

Sequence: A038391
Score: 9.25388
Type of gen. func.: lgdogf

$$- \frac{-5 x^5 - 2 x^4 - 16 x^3 - 15 x^2 - 6 x - 4}{-x^6 - 2 x^4 + 2 x + 1}$$

Sequence: A038395
Score: 3.28898
Type of gen. func.: ogf

$$-\frac{810000000 x^6 + 53100000 x^5 + 3690000 x^4 + 207000 x^3 + 4500 x^2 - 170 x + 1}{(x - 1) (100 x - 1)^2}$$

Sequence: A038396
Score: 5.42868
Type of gen. func.: ogf

$$-\frac{2 (36000000 x^5 + 2250000 x^4 + 144000 x^3 + 6300 x^2 - 180 x + 1)}{(x - 1) (100 x - 1)^2}$$

Sequence: A038408
Score: 21.4197
Type of gen. func.: ogf_with_Euler_transform]

$$x^4 - 3 x^3 + x^2 + 4$$

Sequence: A038408
Score: 5.20903
Type of gen. func.: ogf

$$-\frac{(x^2 + 1)^3 (x + 1)^3}{(x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A038408
Score: 7.44362
Type of gen. func.: lgdogf

$$-\frac{4 x^8 + 12 x^7 + 27 x^6 + 30 x^5 + 34 x^4 + 30 x^3 + 27 x^2 + 12 x + 4}{(x - 1) (x + 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + 1)}$$

Sequence: A038451
Score: 6.10231
Type of gen. func.: ogf

$$-(f(x) x^2 - 11 f(x) x + 10 f(x) - 8888888889 x - 1111111110)^2$$

Sequence: A038454
Score: 4.41076
Type of gen. func.: ogf

$$\{-10 a(n + 2) + 11 a(n + 1) - a(n), a(0) = 111111111111, a(1) = 1011111111111\}$$

Sequence: A038454
Score: 6.64720
Type of gen. func.: ogf

$$\frac{3 (2962962962963 x + 370370370370)}{(x - 1) (x - 10)}$$

Sequence: A038459
Score: 12.0465
Type of gen. func.: ogf

$$-\frac{1000 x^3 - 1000 x - 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A038459
Score: 14.5742
Type of gen. func.: lgdogf

$$-\frac{4 (250 x^4 - x - 250)}{(x - 1) (x + 1) (1000 x^3 - 1000 x - 1)}$$

Sequence: A038459
Score: 7.29743

Type of gen. func.: ogf

$$(f(x) + 500005) (f(x) x^4 - 2 f(x) x^2 + 1000 x^3 + f(x) - 1000 x - 1)$$

Sequence: A038459
Score: 8.72336
Type of gen. func.: lgdogf

$$- \frac{-1000 x^4 + 4 x + 1000}{-1000 x^5 + 2000 x^3 + x^2 - 1000 x - 1}$$

Sequence: A038463
Score: 3.97246
Type of gen. func.: ogf

$$\frac{x^{15} - 8193 x^{14} + 16791550 x^{13} - 16781310 x^{12} - x^2 - 4093 x + 33554430}{(x - 1) (-2 + x) (x^{13} - 2049 x^{12} - x + 4097)}$$

Sequence: A038503
Score: 16.2033
Type of gen. func.: lgdogf

$$\frac{6 x^2 - 4 x + 1}{(x - 1) (-1 + 2 x) (2 x^2 - 2 x + 1)}$$

Sequence: A038503
Score: 5.13881
Type of gen. func.: ogf

$\{-a(n + 4) + 4 a(n + 3) - 6 a(n + 2) + 4 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 1,$

$a(3) = 1\}$

Sequence: A038503
Score: 7.77486
Type of gen. func.: ogf

$$f(x)\,(4 f(x) x^3 - 6 f(x) x^2 - x^3 + 4 f(x) x + 3 x^2 - f(x) - 3 x + 1)$$

Sequence: A038503
Score: 9.16653
Type of gen. func.: lgdogf

$$-\frac{6 x^2 - 4 x + 1}{-4 x^4 + 10 x^3 - 10 x^2 + 5 x - 1}$$

Sequence: A038503
Score: 9.83077
Type of gen. func.: ogf

$$\frac{(x - 1)^3}{(-1 + 2 x) (2 x^2 - 2 x + 1)}$$

Sequence: A038504
Score: 10.4357
Type of gen. func.: ogf

$$-\frac{x (x - 1)^2}{(-1 + 2 x) (2 x^2 - 2 x + 1)}$$

Sequence: A038504
Score: 13.0948
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^3 - 6 x^2 + 4 x - 1)}{(x - 1) (-1 + 2 x) (2 x^2 - 2 x + 1)}$$

Sequence: A038504
Score: 5.17804

Type of gen. func.: ogf

$\{-a(n+4) + 4a(n+3) - 6a(n+2) + 4a(n+1), a(0) = 0, a(1) = 1, a(2) = 2,$

$a(3) = 3\}$

Sequence: A038504
Score: 6.11101
Type of gen. func.: ogf

$$-f(x) (4 f(x) x^3 - 6 f(x) x^2 + x^3 + 4 f(x) x - 2 x^2 - f(x) + x)$$

Sequence: A038504
Score: 8.17257
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 + 12 x^2 - 8 x + 2}{-4 x^4 + 10 x^3 - 10 x^2 + 5 x - 1}$$

Sequence: A038505
Score: 11.1200
Type of gen. func.: ogf

$$\frac{x^2 (x - 1)}{(-1 + 2 x) (2 x^2 - 2 x + 1)}$$

Sequence: A038505
Score: 12.9116
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 18 x^2 + 12 x - 3}{(x - 1) (-1 + 2 x) (2 x^2 - 2 x + 1)}$$

Sequence: A038505
Score: 5.21787
Type of gen. func.: ogf

$$\{a(n + 4) - 4 a(n + 3) + 6 a(n + 2) - 4 a(n + 1), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 3\}$$

Sequence: A038505
Score: 7.6216
Type of gen. func.: ogf

$$-4 f(x) x^3 + 6 f(x) x^2 + x^3 - 4 f(x) x - x^2 + f(x)$$

Sequence: A038505
Score: 8.07527
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 18 x^2 + 12 x - 3}{4 x^4 - 10 x^3 + 10 x^2 - 5 x + 1}$$

Sequence: A038507
Score: 3.08596
Type of gen. func.: ogf

$$\{(n^2 + 4 n + 4) a(n + 1) + (-n^2 - 5 n - 5) a(n + 2) + (n + 1) a(n + 3), a(0) = 2, a(1) = 2, a(2) = 3\}$$

Sequence: A038508
Score: 5.11987
Type of gen. func.: ogf

$$(2 f(x) - 15) (4 f(x) x^3 + 2 f(x) x^2 - 4 f(x) x + x^2 + f(x) + 2 x - 1)$$

Sequence: A038508
Score: 5.11988
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 2 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A038508
Score: 9.03860
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^4 + 8 x^3 - 2 x^2 - 3 x + 1)}{(-1 + 2 x) (2 x^2 + 2 x - 1) (x^2 + 2 x - 1)}$$

Sequence: A038508
Score: 9.40043
Type of gen. func.: ogf

$$-\frac{x^2 + 2 x - 1}{(-1 + 2 x) (2 x^2 + 2 x - 1)}$$

Sequence: A038518
Score: 11.8509
Type of gen. func.: ogf

$$\frac{x (x^2 - x - 1)}{(-1 + 2 x) (2 x^2 + 2 x + 1)}$$

Sequence: A038518
Score: 11.8721
Type of gen. func.: lgdogf

$$-\frac{4 x^4 - 8 x^3 - 14 x^2 - 2 x - 1}{(-1 + 2 x) (2 x^2 + 2 x + 1) (x^2 - x - 1)}$$

Sequence: A038518
Score: 6.39738
Type of gen. func.: ogf

{a(n + 4) - 2 a(n + 2) - 4 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 1}

Sequence: A038518
Score: 7.15746
Type of gen. func.: ogf

$$-(f(x) + 1) (4 f(x) x^3 + 2 f(x) x^2 - x^3 + x^2 - f(x) + x)$$

Sequence: A038518
Score: 7.45262
Type of gen. func.: lgdogf

$$-\frac{-4 x^4 + 8 x^3 + 14 x^2 + 2 x + 1}{-4 x^5 + 2 x^4 + 6 x^3 + 3 x^2 - x - 1}$$

Sequence: A038519
Score: 11.1200
Type of gen. func.: ogf

$$\frac{x^3 + x^2 - 1}{(-1 + 2 x) (2 x^2 + 2 x + 1)}$$

Sequence: A038519
Score: 11.9256
Type of gen. func.: lgdogf

$$-\frac{x (x + 2) (2 x^2 - 4 x - 1)}{(-1 + 2 x) (2 x^2 + 2 x + 1) (x^3 + x^2 - 1)}$$

Sequence: A038519
Score: 6.00286
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 3\}$$

Sequence: A038519
Score: 7.70822
Type of gen. func.: lgdogf

$$-\frac{2 x^4 - 9 x^2 - 2 x}{4 x^6 + 6 x^5 + 2 x^4 - 5 x^3 - 3 x^2 + 1}$$

Sequence: A038519
Score: 9.0443
Type of gen. func.: ogf

$$-4 f(x) x^3 - 2 f(x) x^2 + x^3 + x^2 + f(x) - 1$$

Sequence: A038520
Score: 10.072
Type of gen. func.: ogf

$$-4 f(x) x^3 - 2 f(x) x^2 - x^3 + f(x) - x$$

Sequence: A038520
Score: 12.7326
Type of gen. func.: ogf

$$-\frac{x (x^2 + 1)}{(-1 + 2 x) (2 x^2 + 2 x + 1)}$$

Sequence: A038520
Score: 13.9132
Type of gen. func.: lgdogf

$$-\frac{2 x (2 x^3 + 6 x + 3)}{(-1 + 2 x) (x^2 + 1) (2 x^2 + 2 x + 1)}$$

Sequence: A038520
Score: 6.02523

Type of gen. func.: ogf

$$\{-a(n + 4) + 2 a(n + 2) + 4 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 0, a(3) = 3\}$$

Sequence: A038520
Score: 8.33119
Type of gen. func.: lgdogf

$$-\frac{4 x^4 + 12 x^2 + 6 x}{4 x^5 + 2 x^4 + 4 x^3 + x^2 - 1}$$

Sequence: A038521
Score: 13.4583
Type of gen. func.: ogf

$$-\frac{x (x + 2)}{(-1 + 2 x) (2 x^2 + 2 x + 1)}$$

Sequence: A038521
Score: 14.0560
Type of gen. func.: lgdogf

$$-\frac{8 x^3 + 26 x^2 + 8 x + 1}{(-1 + 2 x) (x + 2) (2 x^2 + 2 x + 1)}$$

Sequence: A038521
Score: 7.66976
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 2, a(2) = 1\}$$

Sequence: A038521
Score: 8.01447
Type of gen. func.: ogf

$$(f(x) + 4) (4 f(x) x^3 + 2 f(x) x^2 + x^2 - f(x) + 2 x)$$

Sequence: A038521
Score: 8.69863
Type of gen. func.: lgdogf

$$-\frac{8x^3+26x^2+8x+1}{4x^4+10x^3+4x^2-x-2}$$

Sequence: A038565
Score: 7.74448
Type of gen. func.: ogf

$$(6x^{20}-4x^{19}+2x^{18}-2x^{17}+x^{14}-x^{13}+2x^{11}-2x^{9}-2x^{4}+x^{3}-x^{2}-1)/(x-1)$$

Sequence: A038577
Score: 5.94127
Type of gen. func.: lgdogf

$$\frac{x^{10}+2x^9-8x^8-4x^7+11x^6+4x^5-7x^4-16x^3+6x+3}{(x-1)(x+1)(x^2+x-1)(x^7-x^4-x^3+2x+1)}$$

Sequence: A038577
Score: 7.79387
Type of gen. func.: ogf

$$-\frac{x^7-x^4-x^3+2x+1}{(x^2+x-1)(x-1)^2(x+1)^2}$$

Sequence: A038578
Score: 7.13998
Type of gen. func.: ogf

$$(x^2+1)(3x^4+6x^3+2x^2-6x-1)$$

$$- \frac{}{(x^3 + x^2 + x - 1)^2}$$

Sequence: A038578
Score: 8.95445
Type of gen. func.: lgdogf

$$\frac{8 (x + 1) (x^5 - x^4 - 2 x^3 + 3 x^2 + 1)}{(x^2 + 1) (x^3 + x^2 + x - 1) (3 x^4 + 6 x^3 + 2 x^2 - 6 x - 1)}$$

Sequence: A038579
Score: 6.58444
Type of gen. func.: ogf

$$- \frac{x^6 + 2 x^5 - x^4 - 4 x^3 - x^2 - 2 x - 1}{(x^3 + x^2 + x - 1)^2}$$

Sequence: A038579
Score: 8.69096
Type of gen. func.: lgdogf

$$\frac{4 (x + 1) (2 x^5 + x^4 - 2 x^3 + 5 x^2 + x + 1)}{(x^6 + 2 x^5 - x^4 - 4 x^3 - x^2 - 2 x - 1) (x^3 + x^2 + x - 1)}$$

Sequence: A038587
Score: 12.4901
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^2 - 3 x - 2}{x^2 + x + 1}$$

Sequence: A038602
Score: 3.20800
Type of gen. func.: ogf

$$\{(-16 n^2 - 104 n - 160) a(n + 1) + (8 n^2 + 58 n + 100) a(n + 2)$$

$$+ (-n^2 - 8 n - 15) a(n + 3), a(0) = 3, a(1) = 16, a(2) = 73\}$$

Sequence: A038602
Score: 5.9348
Type of gen. func.: ogf

$$-16 f(x)^2 x^4 + 8 f(x)^2 x^3 - f(x)^2 x^2 - 4 f(x) x + f(x) - 4 x - 3$$

Sequence: A038608
Score: 115.215
Type of gen. func.: lgdogf

$$- \frac{2}{x + 1}$$

Sequence: A038608
Score: 13.4921
Type of gen. func.: ogf

$$f(x) x^2 + 2 f(x) x + f(x) + x$$

Sequence: A038608
Score: 24.1222
Type of gen. func.: ogf

$$- \frac{x}{(x + 1)^2}$$

Sequence: A038608
Score: 28.4298
Type of gen. func.: lgdogf

$$- \frac{2}{x + 1}$$

Sequence: A038608
Score: 37.7683
Type of gen. func.: ogf_with_Euler_transform]

$$[-2 + 2 x]$$

Sequence: A038608
Score: 38.4051
Type of gen. func.: revogf

$$-\frac{4 x}{\left(1 + (4 x + 1)^{1/2}\right)^{2}}$$

Sequence: A038608
Score: 9.82758
Type of gen. func.: ogf

$$\{-a(n + 2) - 2 a(n + 1) - a(n), a(0) = 0, a(1) = -1\}$$

Sequence: A038620
Score: 6.26511
Type of gen. func.: ogf

$$-\frac{(x + 1) (2 x^{8} - 4 x^{7} + 3 x^{6} - x^{5} + 6 x^{4} + 2 x^{3} + 2 x^{2} + x + 1)}{(x^{2} + x + 1)^{2} (x - 1)^{3}}$$

Sequence: A038621
Score: 5.25448
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x^{8} - 4 x^{7} + 3 x^{6} - x^{5} + 6 x^{4} + 2 x^{3} + 2 x^{2} + x + 1)}{(x^{2} + x + 1)^{2} (x - 1)^{4}}$$

Sequence: A038629
Score: 13.9729
Type of gen. func.: revogf

$$-3/8-\frac{x^2}{8}+\frac{\left((x^2-2x+9)(x+1)^2\right)^{1/2}}{8}$$

Sequence: A038629
Score: 17.9199
Type of gen. func.: ogf

$$4x+3-f(x)+f(x)^2x^2$$

Sequence: A038629
Score: 5.14493
Type of gen. func.: ogf

$$\{(-4n^2-18n-18)a(n+1)+(n^2+6n+8)a(n+2), a(0)=3, a(1)=4\}$$

Sequence: A038629
Score: 8.59838
Type of gen. func.: revogf

$$-\frac{x^2}{8}-3/8+\frac{(x^4+6x^2+16x+9)^{1/2}}{8}$$

Sequence: A038665
Score: 11.6528
Type of gen. func.: revogf

$$-\frac{-3-8x-x^2+\left((x^2+2x+9)(x-1)^2\right)^{1/2}}{8(x+2)^2}$$

Sequence: A038665
Score: 3.54677
Type of gen. func.: ogf

$$\{(16 n^2 + 72 n + 80) a(n + 1) + (-8 n^2 - 50 n - 76) a(n + 2)$$

$$+ (n^2 + 8 n + 15) a(n + 3), a(0) = 3, a(1) = 8, a(2) = 25\}$$

Sequence: A038665
Score: 6.35611
Type of gen. func.: ogf

$$-4 f(x)^2 x^3 + f(x)^2 x^2 - 16 f(x) x^2 + 8 f(x) x - f(x) - 16 x + 3$$

Sequence: A038665
Score: 6.61821
Type of gen. func.: revogf

$$- \frac{-x^2 + (x^4 + 6 x^2 - 16 x + 9)^{1/2} - 8 x - 3}{8 (x^2 + 4 x + 4)}$$

Sequence: A038679
Score: 3.76908
Type of gen. func.: ogf

$$\{(16 n + 40) a(n + 1) + (-8 n - 30) a(n + 2) + (n + 5) a(n + 3), a(0) = 3,$$

$$a(1) = 14, a(2) = 59\}$$

Sequence: A038679
Score: 4.82816
Type of gen. func.: ogf

$$-16 f(x)^2 x^4 + 8 f(x)^2 x^3 - f(x)^2 x^2 - 24 f(x) x^2 + 10 f(x) x - f(x) - 16 x + 3$$

Sequence: A038687
Score: 5.53094
Type of gen. func.: ogf

$$- \frac{9 x^9 - x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 11}{}$$

$$(x^6 + x^3 + 1) (x^2 + x + 1) (x - 1)^2$$

Sequence: A038697
Score: 3.14273
Type of gen. func.: ogf

$$\{(-16 n^2 - 120 n - 224) a(n + 1) + (8 n^2 + 62 n + 118) a(n + 2) + (-n^2 - 8 n - 15) a(n + 3), a(0) = 3, a(1) = 26, a(2) = 163\}$$

Sequence: A038707
Score: 11.8579
Type of gen. func.: lgdogf

$$- \frac{4 x^5 + 7 x^4 + 16 x^3 + 8 x^2 + 8 x + 5}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 2)}$$

Sequence: A038707
Score: 8.88131
Type of gen. func.: ogf

$$- \frac{x^2 (x^2 + x + 2)}{(x^2 + 1) (x + 1) (x - 1)^3}$$

Sequence: A038709
Score: 6.20490
Type of gen. func.: lgdogf

$$- (5 x^{12} + 8 x^{11} + 4 x^{10} + 12 x^9 + 6 x^8 + 16 x^7 + 8 x^6 + 8 x^5 + 11 x^4 + 8 x^3 + 4 x^2 + 4 x + 2) / ((x - 1) (x + 1) (x^2 + 1) (x^5 + x^4 + x^2 + 1) (x^4 + 1))$$

Sequence: A038709
Score: 8.27045
Type of gen. func.: ogf

$$-\frac{x^2 (x^5 + x^4 + x^2 + 1)}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^3}$$

Sequence: A038714
Score: 12.8717
Type of gen. func.: ogf

$$-\frac{2 x^4}{(x^2 + 1)^2 (x + 1)^2 (x - 1)^3}$$

Sequence: A038714
Score: 13.0863
Type of gen. func.: lgdogf

$$-\frac{9 x^3 + x^2 + x + 1}{x^4 - 1}$$

Sequence: A038714
Score: 18.6947
Type of gen. func.: lgdogf

-a(n + 4) + a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 9

Sequence: A038714
Score: 31.2808
Type of gen. func.: ogf_with_Euler_transform]

$$[2 x^3 + 1]$$

Sequence: A038715
Score: 10.3313
Type of gen. func.: lgdogf

$$-\frac{5x^6-10x^5+10x^4-10x^3-5x^2-2}{(x-1)(x+1)(x^2+1)(x^3-2x^2+2x-2)}$$

Sequence: A038715
Score: 7.20345
Type of gen. func.: ogf

$$\frac{x^4(x^3-2x^2+2x-2)}{(x+1)(x^2+1)^2(x-1)^3}$$

Sequence: A038716
Score: 13.5375
Type of gen. func.: lgdogf

$$-\frac{5x^5+x^4-11x^3-x^2-4x-2}{(x-1)(x+1)(x^2-2)(x^2+1)}$$

Sequence: A038716
Score: 8.44275
Type of gen. func.: lgdogf

$$-\frac{-5x^5-x^4+11x^3+x^2+4x+2}{-x^6+2x^4+x^2-2}$$

Sequence: A038716
Score: 8.44275
Type of gen. func.: ogf

$$\frac{x^4(x^2-2)}{(x^2+1)(x+1)^2(x-1)^3}$$

Sequence: A038718
Score: 11.1407
Type of gen. func.: ogf

$$\frac{x^2 - x + 1}{(x - 1)(x^3 + x - 1)}$$

Sequence: A038718
Score: 13.7064
Type of gen. func.: lgdogf

$$-\frac{2x^5 - 4x^4 + 6x^3 - 2x^2 - 1}{(x - 1)(x^2 - x + 1)(x^3 + x - 1)}$$

Sequence: A038718
Score: 5.77977
Type of gen. func.: ogf

$$-(f(x) + 6)(f(x)x^4 - f(x)x^3 + f(x)x^2 - 2f(x)x - x^2 + f(x) + x - 1)$$

Sequence: A038720
Score: 13.0397
Type of gen. func.: egf]

$$\frac{-2 + x}{(x - 1)^3}$$

Sequence: A038720
Score: 14.3980
Type of gen. func.: lgdegf]

$$-\frac{-2x + 5}{-x^2 + 3x - 2}$$

Sequence: A038720
Score: 17.0967
Type of gen. func.: revegf]

$$-\frac{-2 - 2x + (4 + 2x)^{1/2}}{2x + 3}$$

Sequence: A038720
Score: 25.2381
Type of gen. func.: lgdegf]

$$-\frac{-5 + 2x}{(x - 1)(-2 + x)}$$

Sequence: A038720
Score: 4.04156
Type of gen. func.: ogf

$$\{(-3n^2 - 15n - 18)\,a(n + 1) + (-2n^2 - 13n - 23)\,a(n + 2) + (2n + 6)\,a(n + 3),\ a(0) = 2,\ a(1) = 5,\ a(2) = 18\}$$

Sequence: A038720
Score: 6.58197
Type of gen. func.: egf]

$$(19 f(x) - 60)(f(x)\,x^3 - 3 f(x)\,x^2 + 3 f(x)\,x - f(x) - x + 2)$$

Sequence: A038721
Score: 14.3769
Type of gen. func.: ogf

$$-\frac{2}{(3x - 1)(-1 + 2x)(-1 + 4x)}$$

Sequence: A038721
Score: 14.7767
Type of gen. func.: lgdogf

$$-\frac{72x^2-52x+9}{(3x-1)(-1+2x)(-1+4x)}$$

Sequence: A038721
Score: 5.28383
Type of gen. func.: ogf

$\{a(n+3)-9a(n+2)+26a(n+1)-24a(n),\ a(0)=2,\ a(1)=18,\ a(2)=110\}$

Sequence: A038721
Score: 5.77765
Type of gen. func.: ogf

$$(5599f(x)-8208)(24f(x)x^3-26f(x)x^2+9f(x)x-f(x)+2)$$

Sequence: A038721
Score: 9.09129
Type of gen. func.: lgdogf

$$-\frac{72x^2-52x+9}{24x^3-26x^2+9x-1}$$

Sequence: A038723
Score: 13.0576
Type of gen. func.: ogf

$$-\frac{-1+2x}{x^2-6x+1}$$

Sequence: A038723
Score: 14.3854
Type of gen. func.: revogf

$$-\frac{-1-6x+(32x^2+4x+1)^{1/2}}{}$$

$$2 (x + 2)$$

Sequence: A038723
Score: 17.9817
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 - x + 2)}{(-1 + 2 x) (x^2 - 6 x + 1)}$$

Sequence: A038723
Score: 6.52881
Type of gen. func.: ogf

$$-(11 f(x) - 3) (f(x) x^2 - 6 f(x) x + f(x) + 2 x - 1)$$

Sequence: A038723
Score: 7.16576
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A038723
Score: 9.03988
Type of gen. func.: lgdogf

$$-\frac{-2 x^2 + 2 x - 4}{-2 x^3 + 13 x^2 - 8 x + 1}$$

Sequence: A038725
Score: 12.5840
Type of gen. func.: ogf

$$-\frac{-1 + 4 x}{x^2 - 6 x + 1}$$

Sequence: A038725
Score: 13.8526
Type of gen. func.: revogf

$$-\frac{-1 - 6 x + (32 x^2 - 4 x + 1)^{1/2}}{2 (x + 4)}$$

Sequence: A038725
Score: 15.8315
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^2 - x + 1)}{(-1 + 4 x) (x^2 - 6 x + 1)}$$

Sequence: A038725
Score: 6.08904
Type of gen. func.: ogf

$$-(117 f(x) - 101) (f(x) x^2 - 6 f(x) x + f(x) + 4 x - 1)$$

Sequence: A038725
Score: 6.90587
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A038725
Score: 8.58002
Type of gen. func.: lgdogf

$$-\frac{-4 x^2 + 2 x - 2}{-4 x^3 + 25 x^2 - 10 x + 1}$$

Sequence: A038731
Score: 11.5065

Type of gen. func.: lgdogf

$$-\frac{-x^2 + x - 3}{-x^3 + 4 x^2 - 4 x + 1}$$

Sequence: A038731
Score: 25.8245
Type of gen. func.: lgdogf

$$-\frac{x^2 - x + 3}{(x - 1) (x^2 - 3 x + 1)}$$

Sequence: A038731
Score: 3.70058
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-15 - 4 n) a(n + 3) + (9 + 4 n) a(n + 2) + (-2 - n) a(n + 1), a(0) = 1, a(1) = 3, a(2) = 10, a(3) = 32\}$$

Sequence: A038731
Score: 5.29797
Type of gen. func.: ogf

$$(22 f(x) - 3) (f(x) x^4 - 6 f(x) x^3 + 11 f(x) x^2 + x^3 - 6 f(x) x - 3 x^2 + f(x) + 3 x - 1)$$

Sequence: A038731
Score: 9.44123
Type of gen. func.: ogf

$$-\frac{(x - 1)^3}{(x^2 - 3 x + 1)^2}$$

Sequence: A038732

Score: 18.3379
Type of gen. func.: lgdogf

$$-\frac{7x^2 - 20x + 8}{(x - 1)(x^2 - 3x + 1)}$$

Sequence: A038732
Score: 8.46610
Type of gen. func.: ogf

$$-\frac{1}{(x^2 - 3x + 1)(x - 1)^5}$$

Sequence: A038732
Score: 9.50808
Type of gen. func.: lgdogf

$$-\frac{7x^2 - 20x + 8}{x^3 - 4x^2 + 4x - 1}$$

Sequence: A038733
Score: 17.1054
Type of gen. func.: lgdogf

$$-\frac{9x^2 - 26x + 10}{(x - 1)(x^2 - 3x + 1)}$$

Sequence: A038733
Score: 6.12675
Type of gen. func.: ogf

$$-\frac{1}{(x^2 - 3x + 1)(x - 1)^7}$$

Sequence: A038733
Score: 9.00447
Type of gen. func.: lgdogf

$$-\frac{9 x^2 - 26 x + 10}{x^3 - 4 x^2 + 4 x - 1}$$

Sequence: A038734
Score: 17.4339
Type of gen. func.: lgdogf

$$-\frac{11 x^2 - 32 x + 12}{(x - 1) (x^2 - 3 x + 1)}$$

Sequence: A038734
Score: 5.23444
Type of gen. func.: ogf

$$-\frac{1}{(x^2 - 3 x + 1) (x - 1)^9}$$

Sequence: A038734
Score: 9.29698
Type of gen. func.: lgdogf

$$-\frac{11 x^2 - 32 x + 12}{x^3 - 4 x^2 + 4 x - 1}$$

Sequence: A038735
Score: 16.8421
Type of gen. func.: lgdogf

$$-\frac{13 x^2 - 38 x + 14}{(x - 1) (x^2 - 3 x + 1)}$$

Sequence: A038735
Score: 8.98528
Type of gen. func.: lgdogf

$$-\frac{13 x^2 - 38 x + 14}{x^3 - 4 x^2 + 4 x - 1}$$

Sequence: A038736
Score: 5.07382
Type of gen. func.: ogf

$$-27 f(x)^3 x^3 + 193 f(x)^3 x^2 - 55 f(x)^3 x - 54 f(x)^2 x^2 + 4 f(x)^3 + 35 f(x)^2 x + 6 f(x) x^2 - 4 f(x)^2 + 4 f(x) x - x^2$$

Sequence: A038737
Score: 11.5515
Type of gen. func.: ogf

$$-\frac{1}{(x^2 - 3 x + 1) (x - 1)^3}$$

Sequence: A038737
Score: 18.8575
Type of gen. func.: lgdogf

$$-\frac{5 x^2 - 14 x + 6}{(x - 1) (x^2 - 3 x + 1)}$$

Sequence: A038737
Score: 9.77431
Type of gen. func.: lgdogf

$$-\frac{5 x^2 - 14 x + 6}{\quad}$$

$$x^3 - 4x^2 + 4x - 1$$

Sequence: A038739
Score: 10.0249
Type of gen. func.: lgdogf

$$-\frac{6x^2 - 17x + 7}{x^3 - 4x^2 + 4x - 1}$$

Sequence: A038739
Score: 18.7820
Type of gen. func.: lgdogf

$$-\frac{(-1 + 2x)(3x - 7)}{(x - 1)(x^2 - 3x + 1)}$$

Sequence: A038739
Score: 9.58265
Type of gen. func.: ogf

$$\frac{1}{(x^2 - 3x + 1)(x - 1)^4}$$

Sequence: A038740
Score: 18.7280
Type of gen. func.: lgdogf

$$-\frac{8x^2 - 23x + 9}{(x - 1)(x^2 - 3x + 1)}$$

Sequence: A038740
Score: 7.33605
Type of gen. func.: ogf

$$1$$

$$\frac{}{(x^2 - 3 x + 1) (x - 1)^6}$$

Sequence: A038740
Score: 9.70615
Type of gen. func.: lgdogf

$$-\frac{8 x^2 - 23 x + 9}{x^3 - 4 x^2 + 4 x - 1}$$

Sequence: A038741
Score: 16.6848
Type of gen. func.: lgdogf

$$-\frac{10 x^2 - 29 x + 11}{(x - 1) (x^2 - 3 x + 1)}$$

Sequence: A038741
Score: 5.47646
Type of gen. func.: ogf

$$\frac{1}{(x^2 - 3 x + 1) (x - 1)^8}$$

Sequence: A038741
Score: 9.15469
Type of gen. func.: lgdogf

$$-\frac{10 x^2 - 29 x + 11}{x^3 - 4 x^2 + 4 x - 1}$$

Sequence: A038742
Score: 16.3045
Type of gen. func.: lgdogf

$$-\frac{12 x^2 - 35 x + 13}{(x - 1) (x^2 - 3 x + 1)}$$

Sequence: A038742
Score: 8.70449
Type of gen. func.: lgdogf

$$-\frac{12 x^2 - 35 x + 13}{x^3 - 4 x^2 + 4 x - 1}$$

Sequence: A038743
Score: 8.35042
Type of gen. func.: lgdogf

$$-\frac{14 x^2 - 41 x + 15}{x^3 - 4 x^2 + 4 x - 1}$$

Sequence: A038754
Score: 11.8029
Type of gen. func.: ogf

$$(3 f(x) - 1) (3 f(x) x^2 - f(x) + 2 x + 1)$$

Sequence: A038754
Score: 12.3561
Type of gen. func.: lgdogf

$$-\frac{-6 x^2 - 6 x - 2}{-6 x^3 - 3 x^2 + 2 x + 1}$$

Sequence: A038754
Score: 12.3561
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A038754
Score: 19.2876
Type of gen. func.: ogf

$$-\frac{2 x + 1}{3 x^{2} - 1}$$

Sequence: A038754
Score: 19.4087
Type of gen. func.: revogf

$$\frac{-1 + ((2 x + 1) (1 + 6 x))^{1/2}}{2 (3 x + 2)}$$

Sequence: A038754
Score: 22.8338
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^{2} + 3 x + 1)}{(2 x + 1) (3 x^{2} - 1)}$$

Sequence: A038758
Score: 10.7517
Type of gen. func.: lgdogf

$$-\frac{84 x^{3} + 833 x^{2} + 1322 x + 281}{(x - 1) (21 x^{3} + 154 x^{2} + 169 x + 16)}$$

Sequence: A038758
Score: 5.92915
Type of gen. func.: ogf

$$-\frac{21 x^3 + 154 x^2 + 169 x + 16}{(x - 1)^7}$$

Sequence: A038758
Score: 6.92775
Type of gen. func.: lgdogf

$$-\frac{84 x^3 + 833 x^2 + 1322 x + 281}{21 x^4 + 133 x^3 + 15 x^2 - 153 x - 16}$$

Sequence: A038761
Score: 12.1161
Type of gen. func.: ogf

$$\frac{3 x + 1}{x^2 - 6 x + 1}$$

Sequence: A038761
Score: 12.6962
Type of gen. func.: revogf

$$-\frac{-1 - 6 x + (32 x^2 + 24 x + 1)^{1/2}}{2 (-3 + x)}$$

Sequence: A038761
Score: 15.2354
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 2 x - 9}{(3 x + 1) (x^2 - 6 x + 1)}$$

Sequence: A038761
Score: 6.26693
Type of gen. func.: ogf

$$(52 f(x) + 29) (f(x) x^2 - 6 f(x) x + f(x) - 3 x - 1)$$

Sequence: A038761
Score: 6.64906
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A038761
Score: 8.38805
Type of gen. func.: lgdogf

$$- \frac{3 x^2 + 2 x - 9}{3 x^3 - 17 x^2 - 3 x + 1}$$

Sequence: A038762
Score: 12.3158
Type of gen. func.: ogf

$$- \frac{5 x - 3}{x^2 - 6 x + 1}$$

Sequence: A038762
Score: 13.2251
Type of gen. func.: revogf

$$- \frac{-3 - 6 x + (32 x^2 + 16 x + 9)^{1/2}}{2 (x + 5)}$$

Sequence: A038762
Score: 15.4922
Type of gen. func.: lgdogf

$$- \frac{5 x^2 - 6 x + 13}{}$$

$$(5 x - 3) (x^2 - 6 x + 1)$$

Sequence: A038762
Score: 6.09023
Type of gen. func.: ogf

$$-(72 f(x) - 47) (f(x) x^2 - 6 f(x) x + f(x) + 5 x - 3)$$

Sequence: A038762
Score: 6.67723
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + a(n), a(0) = 3, a(1) = 13\}$$

Sequence: A038762
Score: 8.27179
Type of gen. func.: lgdogf

$$- \frac{-5 x^2 + 6 x - 13}{-5 x^3 + 33 x^2 - 23 x + 3}$$

Sequence: A038764
Score: 10.5670
Type of gen. func.: revogf

$$1/3 \frac{2 \operatorname{HeunG}(7/27, 7/36, -1/6, 1/6, 1/2, -1, - \frac{21 x}{4}) (81 x + 4)^{1/2} - 4 + 3 x}{x + 4}$$

Sequence: A038764
Score: 13.2433
Type of gen. func.: ogf

$$- \frac{(2 x + 1)^2}{(x - 1)^3}$$

Sequence: A038764
Score: 16.8301
Type of gen. func.: lgdogf

$$-\frac{-2 x - 7}{-2 x^{2} + x + 1}$$

Sequence: A038764
Score: 36.0240
Type of gen. func.: lgdogf

$$-\frac{2 x + 7}{(2 x + 1) (x - 1)}$$

Sequence: A038764
Score: 7.08635
Type of gen. func.: ogf

$$(61 f(x) - 181) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 4 x^{2} - f(x) + 4 x + 1)$$

Sequence: A038764
Score: 7.14905
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 7, a(2) = 22\}$$

Sequence: A038765
Score: 12.4177
Type of gen. func.: ogf

$$\frac{(-1 + 2 x)^{2}}{(3 x - 1)^{2}}$$

Sequence: A038765
Score: 18.2816

Type of gen. func.: lgdogf

$$-\frac{2}{-6x^{2}+5x-1}$$

Sequence: A038765
Score: 35.8391
Type of gen. func.: lgdogf

$$\frac{2}{(3x-1)(-1+2x)}$$

Sequence: A038765
Score: 6.45231
Type of gen. func.: ogf

$$\{-a(n+3)+6a(n+2)-9a(n+1),\ a(0)=1,\ a(1)=2,\ a(2)=7\}$$

Sequence: A038765
Score: 6.92774
Type of gen. func.: ogf

$$(65f(x)+79)(9f(x)x^{2}-6f(x)x-4x^{2}+f(x)+4x-1)$$

Sequence: A038793
Score: 12.4054
Type of gen. func.: lgdogf

$$\frac{x^{5}-5x^{4}+9x^{3}-x^{2}-4x+4}{(x-1)(x^{5}-2x^{4}-x^{3}+2x^{2}-1)}$$

Sequence: A038793
Score: 8.11404
Type of gen. func.: ogf

$$-\frac{x^{5}-2x^{4}-x^{3}+2x^{2}-1}{}$$

$$(x-1)^4$$

Sequence: A038794
Score: 5.88341
Type of gen. func.: ogf

$$-\frac{x^7-2x^6-x^5+4x^4+x^3-3x^2+1}{(x-1)^5}$$

Sequence: A038794
Score: 7.88144
Type of gen. func.: lgdogf

$$\frac{2x^7-9x^6+12x^5+x^4-18x^3+6x^2+6x-5}{(x-1)(x^7-2x^6-x^5+4x^4+x^3-3x^2+1)}$$

Sequence: A038795
Score: 4.69814
Type of gen. func.: ogf

$$-\frac{x^9-2x^8-2x^7+5x^6+2x^5-7x^4-x^3+4x^2-1}{(x-1)^6}$$

Sequence: A038796
Score: 4.14440
Type of gen. func.: ogf

$$-\frac{x^{11}-2x^{10}-3x^9+7x^8+5x^7-12x^6-3x^5+11x^4+x^3-5x^2+1}{(x-1)^7}$$

Sequence: A038797
Score: 11.5515
Type of gen. func.: ogf

$$-\frac{1}{(x^2 - 3x + 1)(x - 1)^3}$$

Sequence: A038797
Score: 18.8575
Type of gen. func.: lgdogf

$$-\frac{5x^2 - 14x + 6}{(x - 1)(x^2 - 3x + 1)}$$

Sequence: A038797
Score: 9.77431
Type of gen. func.: lgdogf

$$-\frac{5x^2 - 14x + 6}{x^3 - 4x^2 + 4x - 1}$$

Sequence: A038798
Score: 10.0249
Type of gen. func.: lgdogf

$$-\frac{6x^2 - 17x + 7}{x^3 - 4x^2 + 4x - 1}$$

Sequence: A038798
Score: 18.7820
Type of gen. func.: lgdogf

$$-\frac{(-1 + 2x)(3x - 7)}{(x - 1)(x^2 - 3x + 1)}$$

Sequence: A038798
Score: 9.58265

Type of gen. func.: ogf

$$\frac{1}{(x^2 - 3 x + 1) (x - 1)^4}$$

Sequence: A038799
Score: 18.3379
Type of gen. func.: lgdogf

$$- \frac{7 x^2 - 20 x + 8}{(x - 1) (x^2 - 3 x + 1)}$$

Sequence: A038799
Score: 8.46610
Type of gen. func.: ogf

$$- \frac{1}{(x^2 - 3 x + 1) (x - 1)^5}$$

Sequence: A038799
Score: 9.50808
Type of gen. func.: lgdogf

$$- \frac{7 x^2 - 20 x + 8}{x^3 - 4 x^2 + 4 x - 1}$$

Sequence: A038806
Score: 3.22766
Type of gen. func.: ogf

$$\{(-16 n^2 - 104 n - 168) a(n + 1) + (8 n^2 + 50 n + 72) a(n + 2)$$

$$+ (-n^2 - 6 n - 8) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 10\}$$

Sequence: A038806
Score: 7.78943
Type of gen. func.: lgdogf

$$\frac{-\frac{12 x - 1}{(-1 + 4 x)^{1/2}} + I}{x (-1 + 4 x)^{1/2}}$$

Sequence: A038835
Score: 17.7980
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x + 4}{-x - 1}$$

Sequence: A038836
Score: 10.4384
Type of gen. func.: lgdogf

$$-24 + 196 x + (112 x^2 - 36 x + 2) f(x) + (16 x^3 - 8 x^2 + x) f(x)^2$$

Sequence: A038836
Score: 3.22555
Type of gen. func.: ogf

$$\{(-16 n^2 - 152 n - 360) a(n + 1) + (8 n^2 + 70 n + 144) a(n + 2)$$

$$+ (-n^2 - 8 n - 15) a(n + 3), a(0) = 1, a(1) = 12, a(2) = 95\}$$

Sequence: A038836
Score: 7.95635
Type of gen. func.: lgdogf

$$\frac{-\frac{14 x - 1}{(-1 + 4 x)^{1/2}} + I}{x (-1 + 4 x)^{1/2}}$$

Sequence: A038845
Score: 14.9182
Type of gen. func.: ogf

$$-\frac{1}{(-1 + 4 x)^{3}}$$

Sequence: A038845
Score: 20.5768
Type of gen. func.: lgdogf

$$\frac{12}{-4 x + 1}$$

Sequence: A038845
Score: 48.7123
Type of gen. func.: lgdogf

$$-\frac{12}{-1 + 4 x}$$

Sequence: A038845
Score: 5.10022
Type of gen. func.: ogf

$$\{a(n + 3) - 12 a(n + 2) + 48 a(n + 1) - 64 a(n), a(0) = 1, a(1) = 12, a(2) = 96\}$$

Sequence: A038845
Score: 5.62949
Type of gen. func.: ogf

$$-(f(x) - 1) (64 f(x) x^{3} - 48 f(x) x^{2} + 12 f(x) x - f(x) + 1)$$

Sequence: A038846
Score: 10.4033
Type of gen. func.: ogf

$$\frac{1}{(-1 + 4 x)^{4}}$$

Sequence: A038846
Score: 19.7305
Type of gen. func.: lgdogf

$$\frac{16}{-4 x + 1}$$

Sequence: A038846
Score: 46.6835
Type of gen. func.: lgdogf

$$- \frac{16}{-1 + 4 x}$$

Sequence: A038846
Score: 5.39796
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (20 + 4 n) a(n + 1), a(0) = 1, a(1) = 16\}$$

Sequence: A038846
Score: 5.99941
Type of gen. func.: ogf

$$-(f(x) + 1) (256 f(x) x^{4} - 256 f(x) x^{3} + 96 f(x) x^{2} - 16 f(x) x + f(x) - 1)$$

Sequence: A038865
Score: 11.3592
Type of gen. func.: lgdogf

$$- \frac{-3 x^{2} + 10 x - 13}{-3 x^{3} + 11 x^{2} - 15 x + 7}$$

Sequence: A038865
Score: 12.0691
Type of gen. func.: ogf

$$-\frac{9\,(3\,x^2 - 8\,x + 7)}{(x - 1)^3}$$

Sequence: A038865
Score: 21.0436
Type of gen. func.: lgdogf

$$-\frac{3\,x^2 - 10\,x + 13}{(x - 1)\,(3\,x^2 - 8\,x + 7)}$$

Sequence: A038865
Score: 6.60191
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 63, a(1) = 117, a(2) = 189}

Sequence: A038865
Score: 6.71672
Type of gen. func.: ogf

$$(5\,f(x) + 27)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 27\,x^2 - f(x) - 72\,x + 63)$$

Sequence: A038866
Score: 10.5263
Type of gen. func.: lgdogf

$$-\frac{-16\,x^2 + 50\,x - 52}{-16\,x^3 + 57\,x^2 - 72\,x + 31}$$

Sequence: A038866
Score: 11.3237
Type of gen. func.: ogf

$$-\frac{4\,(16\,x^{2} - 41\,x + 31)}{(x - 1)^{3}}$$

Sequence: A038866
Score: 17.8710
Type of gen. func.: lgdogf

$$-\frac{2\,(8\,x^{2} - 25\,x + 26)}{(x - 1)\,(16\,x^{2} - 41\,x + 31)}$$

Sequence: A038866
Score: 6.12596
Type of gen. func.: ogf

$(521 f(x) + 21715)$

$$(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x + 64\,x^{2} - f(x) - 164\,x + 124)$$

Sequence: A038866
Score: 6.33361
Type of gen. func.: ogf

$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 124,\ a(1) = 208,\ a(2) = 316\}$

Sequence: A038867
Score: 11.0666
Type of gen. func.: lgdogf

$$-\frac{-13\,x^{2} + 38\,x - 43}{-13\,x^{3} + 45\,x^{2} - 57\,x + 25}$$

Sequence: A038867
Score: 11.9050
Type of gen. func.: ogf

$$-\frac{5\,(13\,x^2 - 32\,x + 25)}{(x - 1)^3}$$

Sequence: A038867
Score: 19.2744
Type of gen. func.: lgdogf

$$-\frac{25\,x^2 - 74\,x + 67}{(x - 1)\,(25\,x^2 - 62\,x + 43)}$$

Sequence: A038867
Score: 6.49365
Type of gen. func.: ogf

$$(101\,f(x) + 4865)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 65\,x^2 - f(x) - 160\,x + 125)$$

Sequence: A038867
Score: 6.65874
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 125, a(1) = 215, a(2) = 335}

Sequence: A038989
Score: 10.4709
Type of gen. func.: ogf

$$-\frac{2\,x^3 + x^2 - 1}{x^4 - 2\,x^3 - 2\,x^2 - 2\,x + 1}$$

Sequence: A038989
Score: 5.57939
Type of gen. func.: ogf

$$-(f(x) + 1) (f(x) x^4 - 2 f(x) x^3 - 2 f(x) x^2 + 2 x^3 - 2 f(x) x + x^2 + f(x) - 1)$$

Sequence: A038989
Score: 8.24228
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + 1) (x^2 - x + 1) (x + 1)^2}{(2 x^3 + x^2 - 1) (x^4 - 2 x^3 - 2 x^2 - 2 x + 1)}$$

Sequence: A038990
Score: 11.2388
Type of gen. func.: ogf

$$-\frac{2 x^3 - x^2 - x + 1}{(x - 1) (x + 1) (x^2 - 3 x + 1)}$$

Sequence: A038990
Score: 12.6978
Type of gen. func.: lgdogf

$$-\frac{2 (x^6 - x^5 - x^3 - x + 1)}{(x - 1) (x + 1) (x^2 - 3 x + 1) (2 x^3 - x^2 - x + 1)}$$

Sequence: A038990
Score: 6.30466
Type of gen. func.: ogf

$$-(5 f(x) - 3) (f(x) x^4 - 3 f(x) x^3 + 2 x^3 + 3 f(x) x - x^2 - f(x) - x + 1)$$

Sequence: A038990
Score: 6.86260
Type of gen. func.: lgdogf

$$-\frac{-2x^6+2x^5+2x^3+2x-2}{-2x^7+7x^6-2x^5-10x^4+8x^3+2x^2-4x+1}$$

Sequence: A039097
Score: 5.11099
Type of gen. func.: ogf

$$-x(5x^{29}+7x^{28}+4x^{27}-2x^{25}+2x^{23}-5x^{22}-7x^{21}-4x^{20}-x^6-x^5-x^4-x^3-3x^2-x-1) / ((x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2)$$

Sequence: A039112
Score: 6.85781
Type of gen. func.: ogf

$$-\frac{9x^{17}-11x^9+x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-2}{(x+1)(x^2+1)(x^4+1)(x-1)^2}$$

Sequence: A039113
Score: 4.37659
Type of gen. func.: ogf

$$-(9x^{24}-9x^{23}+9x^{22}-9x^{21}+9x^{20}-9x^{19}+9x^{18}-10x^{17}+x^{16}-x^7-x^5-x^3-x-1) / ((x^4+1)(x^2+1)(x-1)^2)$$

Sequence: A039114
Score: 5.61898
Type of gen. func.: ogf

$$-\frac{9x^{31}-9x^{29}+9x^{27}-10x^{25}+x^{24}-x^6-x^5-x^2-x-1}{(x+1)(x^4+1)(x-1)^2}$$

Sequence: A039128
Score: 5.14142
Type of gen. func.: ogf

$$-x(7x^{25}+8x^{24}+3x^{23}-2x^{19}-5x^{17}-8x^{16}-3x^{15}-x^{7}-x^{6}-x^{5}-x^{4}-x^{3}-x^{2}-3x-1)\Big/\left((x+1)(x^{2}+1)(x^{4}+1)(x-1)^{2}\right)$$

Sequence: A039135
Score: 4.87999
Type of gen. func.: ogf

$$-x(6x^{33}+8x^{32}+4x^{31}-2x^{28}+2x^{26}-6x^{25}-8x^{24}-4x^{23}-x^{7}-x^{6}-x^{5}-x^{4}-x^{3}-3x^{2}-x-1)\Big/\left((x+1)(x^{2}+1)(x^{4}+1)(x-1)^{2}\right)$$

Sequence: A039156
Score: 6.31117
Type of gen. func.: ogf

$$-\frac{10x^{19}-12x^{10}+x^{9}-x^{8}-x^{7}-x^{6}-x^{5}-x^{4}-x^{3}-x^{2}-x-2}{(x^{6}+x^{3}+1)(x^{2}+x+1)(x-1)^{2}}$$

Sequence: A039157
Score: 5.58296
Type of gen. func.: ogf

$$-(10x^{28}-x^{20}-10x^{19}+x^{18}-x^{9}-x^{8}-x^{7}-x^{6}-x^{5}-x^{4}-x^{3}-x^{2}-2x-1)\Big/\left((x^{6}+x^{3}+1)(x^{2}+x+1)(x-1)^{2}\right)$$

Sequence: A039163
Score: 7.38086
Type of gen. func.: ogf

$$x^{9}+x^{8}+2x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1$$

$$\frac{}{(x^6 + x^3 + 1)\,(x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A039164
Score: 7.38086
Type of gen. func.: ogf

$$\frac{x^9 + 2\,x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}{(x^6 + x^3 + 1)\,(x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A039165
Score: 5.14142
Type of gen. func.: ogf

$$- x\,(9\,x^{19} + 9\,x^{18} + 2\,x^{17} - 2\,x^{11} - 9\,x^{10} - 7\,x^9 - 3\,x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 3) \Big/ ((x^6 + x^3 + 1)\,(x^2 + x + 1)\,(x - 1)^2)$$

Sequence: A039166
Score: 4.64386
Type of gen. func.: ogf

$$- x\,(9\,x^{28} + x^{27} - x^{21} - 8\,x^{19} + 6\,x^{18} + 3\,x^{17} - x^{11} - 6\,x^9 - 4\,x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - 2\,x - 2) \Big/ ((x^6 + x^3 + 1)\,(x^2 + x + 1)\,(x - 1)^2)$$

Sequence: A039172
Score: 5.73970
Type of gen. func.: ogf

$$- x\,(x^{18} + 8\,x^{17} + x^{16} - x^{10} - 10\,x^8 - 2\,x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 2) \Big/ ((x^6 + x^3 + 1)\,(x^2 + x + 1)\,(x - 1)^2)$$

Sequence: A039173
Score: 5.67399
Type of gen. func.: ogf

$$\frac{x (x^{18} - 11 x^{17} + x^{10} - x^{9} + 12 x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 2)}{(x^{6} + x^{3} + 1) (x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A039174
Score: 4.87999
Type of gen. func.: ogf

$$- x (8 x^{28} + 9 x^{27} + 3 x^{26} - 2 x^{21} - 6 x^{19} - 9 x^{18} - 3 x^{17} - x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - 3 x - 1) / ((x^{6} + x^{3} + 1) (x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A039180
Score: 4.89658
Type of gen. func.: ogf

$$- x (x^{27} + 8 x^{26} + x^{25} - x^{20} + x^{19} - x^{18} - 9 x^{17} - x^{8} - 2 x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - 2 x - 1) / ((x^{6} + x^{3} + 1) (x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A039181
Score: 5.35681
Type of gen. func.: ogf

$$x (x^{27} - 11 x^{26} + x^{20} - x^{19} + 10 x^{17} + 2 x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + 2 x + 1) / ((x^{6} + x^{3} + 1) (x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A039207
Score: 7.60258
Type of gen. func.: ogf

$$\frac{x (x^{8} + 3 x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}{}$$

$$(x^6 + x^3 + 1)(x^2 + x + 1)(x - 1)^2$$

Sequence: A039208
Score: 7.56532
Type of gen. func.: ogf

$$\frac{x(2x^8 + 2x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x^6 + x^3 + 1)(x^2 + x + 1)(x - 1)^2}$$

Sequence: A039209
Score: 7.56532
Type of gen. func.: ogf

$$\frac{x(3x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x^6 + x^3 + 1)(x^2 + x + 1)(x - 1)^2}$$

Sequence: A039210
Score: 5.88474
Type of gen. func.: ogf

$$-\frac{11x^{21} - 13x^{11} + x^{10} - x^9 - x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 2}{(x + 1)(x^4 + x^3 + x^2 + x + 1)(x^4 - x^3 + x^2 - x + 1)(x - 1)^2}$$

Sequence: A039216
Score: 6.80423
Type of gen. func.: ogf

$$\frac{x^{10} + x^9 + x^8 + x^7 + 2x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}{(x + 1)(x^4 + x^3 + x^2 + x + 1)(x^4 - x^3 + x^2 - x + 1)(x - 1)^2}$$

Sequence: A039217
Score: 5.75125
Type of gen. func.: ogf

$$\frac{(x^2 + 1)(x^7 + x^4 + 1)}{(x^4 + x^3 + x^2 + x + 1)(x^4 - x^3 + x^2 - x + 1)(x - 1)^2}$$

Sequence: A039218
Score: 6.80423
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)(x^8 + x^6 + x^3 + 1)}{(x + 1)(x^4 + x^3 + x^2 + x + 1)(x^4 - x^3 + x^2 - x + 1)(x - 1)^2}$$

Sequence: A039219
Score: 5.93626
Type of gen. func.: ogf

$$\frac{x^9 + x^8 + x^6 + x^4 + x^2 + 1}{(x^4 + x^3 + x^2 + x + 1)(x^4 - x^3 + x^2 - x + 1)(x - 1)^2}$$

Sequence: A039226
Score: 4.86907
Type of gen. func.: ogf

$$- x (3 x^{20} + 8 x^{19} - x^{17} + x^{16} - x^{11} - 2 x^{10} - 9 x^9 - x^8 - x^7 - 2 x^6 - x^5 - x^4 - x^3 - x^2 - x - 2) / ((x + 1)(x^4 + x^3 + x^2 + x + 1)(x^4 - x^3 + x^2 - x + 1)(x - 1)^2)$$

Sequence: A039228
Score: 5.35681
Type of gen. func.: ogf

$$- x (x^{20} + 9 x^{19} + x^{18} - x^{11} - 11 x^9 - 2 x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 2) / ((x + 1)(x^4 + x^3 + x^2 + x + 1)(x^4 - x^3 + x^2 - x + 1)(x - 1)^2)$$

Sequence: A039235
Score: 6.41996
Type of gen. func.: ogf

$$-\frac{x\,(3\,x^{25}+8\,x^{24}-x^{22}+x^{21}-3\,x^{20}-8\,x^{19}-x^{4}-x^{3}-x^{2}-2\,x-1)}{(x^{4}+x^{3}+x^{2}+x+1)\,(x-1)^{2}}$$

Sequence: A039238
Score: 5.04354
Type of gen. func.: ogf

$$x\,(x^{30}-12\,x^{29}+x^{22}-x^{21}+11\,x^{19}+2\,x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+2\,x+1)\ /\ ((x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{4}-x^{3}+x^{2}-x+1)\,(x-1)^{2})$$

Sequence: A039265
Score: 6.98947
Type of gen. func.: ogf

$$\frac{x\,(x^{9}+x^{8}+x^{7}+3\,x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)}{(x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{4}-x^{3}+x^{2}-x+1)\,(x-1)^{2}}$$

Sequence: A039266
Score: 6.05408
Type of gen. func.: ogf

$$\frac{x\,(x^{2}+1)\,(x^{6}+x^{4}+1)}{(x^{4}+x^{3}+x^{2}+x+1)\,(x^{4}-x^{3}+x^{2}-x+1)\,(x-1)^{2}}$$

Sequence: A039267
Score: 6.95521

Type of gen. func.: ogf

$$\frac{x \left(x^{9}+2 x^{8}+x^{7}+2 x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1\right)}{(x+1) \left(x^{4}+x^{3}+x^{2}+x+1\right) \left(x^{4}-x^{3}+x^{2}-x+1\right) (x-1)^{2}}$$

Sequence: A039268
Score: 5.69345
Type of gen. func.: ogf

$$\frac{x \left(2 x^{8}-x^{7}+2 x^{6}+x^{4}+x^{2}+1\right)}{\left(x^{4}+x^{3}+x^{2}+x+1\right) \left(x^{4}-x^{3}+x^{2}-x+1\right) (x-1)^{2}}$$

Sequence: A039269
Score: 6.98947
Type of gen. func.: ogf

$$\frac{x \left(x^{9}+x^{8}+3 x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1\right)}{(x+1) \left(x^{4}+x^{3}+x^{2}+x+1\right) \left(x^{4}-x^{3}+x^{2}-x+1\right) (x-1)^{2}}$$

Sequence: A039270
Score: 5.90716
Type of gen. func.: ogf

$$\frac{x \left(x^{2}+x+1\right) \left(x^{6}+x^{2}-x+1\right)}{\left(x^{4}+x^{3}+x^{2}+x+1\right) \left(x^{4}-x^{3}+x^{2}-x+1\right) (x-1)^{2}}$$

Sequence: A039271
Score: 6.95521
Type of gen. func.: ogf

$$\frac{x \left(2 x^{9}+x^{8}+2 x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1\right)}{(x+1) \left(x^{4}+x^{3}+x^{2}+x+1\right) \left(x^{4}-x^{3}+x^{2}-x+1\right) (x-1)^{2}}$$

Sequence: A039272
Score: 6.95521
Type of gen. func.: ogf

$$\frac{x\,(x^{9} + 3\,x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}{(x + 1)\,(x^{4} + x^{3} + x^{2} + x + 1)\,(x^{4} - x^{3} + x^{2} - x + 1)\,(x - 1)^{2}}$$

Sequence: A039273
Score: 6.24961
Type of gen. func.: ogf

$$\frac{x\,(2\,x^{8} + x^{6} + x^{4} + x^{2} + 1)}{(x^{4} + x^{3} + x^{2} + x + 1)\,(x^{4} - x^{3} + x^{2} - x + 1)\,(x - 1)^{2}}$$

Sequence: A039274
Score: 6.92094
Type of gen. func.: ogf

$$\frac{x\,(3\,x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}{(x + 1)\,(x^{4} + x^{3} + x^{2} + x + 1)\,(x^{4} - x^{3} + x^{2} - x + 1)\,(x - 1)^{2}}$$

Sequence: A039300
Score: 10.8601
Type of gen. func.: ogf

$$-\frac{3\,x^{2} + x - 1}{(x - 1)\,(3\,x - 1)\,(x + 1)}$$

Sequence: A039300
Score: 11.5943
Type of gen. func.: lgdogf

$$-\frac{9\,x^{4} + 6\,x^{3} - x^{2} - 4\,x + 2}{(x - 1)\,(3\,x - 1)\,(x + 1)\,(3\,x^{2} + x - 1)}$$

Sequence: A039300
Score: 5.71089
Type of gen. func.: ogf

$$-(37 f(x) + 3) (3 f(x) x^3 - f(x) x^2 - 3 f(x) x + 3 x^2 + f(x) + x - 1)$$

Sequence: A039300
Score: 5.91486
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + a(n + 1) - 3 a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A039300
Score: 7.44342
Type of gen. func.: lgdogf

$$-\frac{9 x^4 + 6 x^3 - x^2 - 4 x + 2}{9 x^5 - 13 x^3 + x^2 + 4 x - 1}$$

Sequence: A039301
Score: 12.4504
Type of gen. func.: ogf

$$-\frac{2 x^2 + 3 x - 1}{(-1 + 4 x) (x - 1)}$$

Sequence: A039301
Score: 14.0651
Type of gen. func.: lgdogf

$$-\frac{2 (11 x^2 - 6 x + 1)}{(x - 1) (-1 + 4 x) (2 x^2 + 3 x - 1)}$$

Sequence: A039301
Score: 6.46931
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A039301
Score: 8.79827
Type of gen. func.: lgdogf

$$- \frac{-22 x^2 + 12 x - 2}{-8 x^4 - 2 x^3 + 17 x^2 - 8 x + 1}$$

Sequence: A039301
Score: 9.29394
Type of gen. func.: ogf

$$-4 f(x) x^2 + 5 f(x) x - 2 x^2 - f(x) - 3 x + 1$$

Sequence: A039302
Score: 10.2662
Type of gen. func.: lgdogf

$$- \frac{25 x^4 + 20 x^3 + 8 x^2 - 8 x + 3}{(x - 1) (5 x - 1) (x + 1) (5 x^2 + 2 x - 1)}$$

Sequence: A039302
Score: 10.6401
Type of gen. func.: ogf

$$- \frac{5 x^2 + 2 x - 1}{(x - 1) (5 x - 1) (x + 1)}$$

Sequence: A039302
Score: 5.64389
Type of gen. func.: ogf

$$(782 f(x) + 225) (5 f(x) x^3 - f(x) x^2 - 5 f(x) x + 5 x^2 + f(x) + 2 x - 1)$$

Sequence: A039302
Score: 5.74377
Type of gen. func.: ogf

{-a(n + 3) + 5 a(n + 2) + a(n + 1) - 5 a(n), a(0) = 1, a(1) = 3, a(2) = 11}

Sequence: A039302
Score: 6.49046
Type of gen. func.: lgdogf

$$-\frac{-25 x^4 - 20 x^3 - 8 x^2 + 8 x - 3}{-25 x^5 - 5 x^4 + 32 x^3 + 4 x^2 - 7 x + 1}$$

Sequence: A039303
Score: 3.99775
Type of gen. func.: ogf

$$-\frac{108 x^7 + 360 x^6 - 12 x^5 - 199 x^4 - 13 x^3 + 30 x^2 + 2 x - 1}{(x - 1) (6 x - 1) (3 x - 1) (2 x + 1) (-1 + 2 x) (3 x + 1) (x + 1)}$$

Sequence: A039304
Score: 10.2815
Type of gen. func.: ogf

$$-\frac{7 x^2 + 3 x - 1}{(x - 1) (7 x - 1) (x + 1)}$$

Sequence: A039304
Score: 5.22643
Type of gen. func.: ogf

$$-(2589 f(x) + 931) (7 f(x) x^3 - f(x) x^2 - 7 f(x) x + 7 x^2 + f(x) + 3 x - 1)$$

Sequence: A039304
Score: 5.55019
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) + a(n + 1) - 7 a(n), a(0) = 1, a(1) = 4, a(2) = 22\}$$

Sequence: A039304
Score: 9.60927
Type of gen. func.: lgdogf

$$-\frac{49 x^4 + 42 x^3 + 25 x^2 - 12 x + 4}{(x - 1) (7 x - 1) (x + 1) (7 x^2 + 3 x - 1)}$$

Sequence: A039305
Score: 4.74854
Type of gen. func.: ogf

$$\{-a(n + 4) + 8 a(n + 3) + a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 12, a(3) = 87\}$$

Sequence: A039305
Score: 4.97113
Type of gen. func.: ogf

$$-(191 + 693 f(x))$$

$$(8 f(x) x^3 - f(x) x^2 + 4 x^3 - 8 f(x) x + 13 x^2 + f(x) + 5 x - 1)$$

Sequence: A039305
Score: 8.66842
Type of gen. func.: lgdogf

$$-\frac{3 (36 x^4 + 48 x^3 + 21 x^2 - 8 x + 1)}{(x - 1) (8 x - 1) (x + 1) (4 x^3 + 13 x^2 + 5 x - 1)}$$

Sequence: A039305
Score: 9.09007
Type of gen. func.: ogf

$$-\frac{4x^3+13x^2+5x-1}{(x-1)(8x-1)(x+1)}$$

Sequence: A039306
Score: 13.4808
Type of gen. func.: ogf

$$-\frac{6x-1}{(9x-1)(x-1)}$$

Sequence: A039306
Score: 14.1426
Type of gen. func.: revogf

$$-\frac{-10x-1+(64x^2-4x+1)^{1/2}}{6(3x+2)}$$

Sequence: A039306
Score: 15.5932
Type of gen. func.: lgdogf

$$-\frac{2(27x^2-9x+2)}{(x-1)(6x-1)(9x-1)}$$

Sequence: A039306
Score: 6.59698
Type of gen. func.: ogf

$$-(817 f(x) - 561)(9 f(x) x^2 - 10 f(x) x + f(x) + 6 x - 1)$$

Sequence: A039306
Score: 7.47128
Type of gen. func.: ogf

{a(n + 2) - 10 a(n + 1) + 9 a(n), a(0) = 1, a(1) = 4}

Sequence: A039306
Score: 8.98719
Type of gen. func.: lgdogf

$$-\frac{-54 x^2 + 18 x - 4}{-54 x^3 + 69 x^2 - 16 x + 1}$$

Sequence: A039623
Score: 10.3876
Type of gen. func.: lgdogf

$$-\frac{-2 x^3 - 9 x^2 - 12 x - 7}{-x^4 - x^3 + x + 1}$$

Sequence: A039623
Score: 17.2988
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 9 x^2 + 12 x + 7}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A039623
Score: 30.1016
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 - x + 7$$

Sequence: A039623
Score: 8.71601
Type of gen. func.: ogf

2

$$-\frac{(x + x + 1)(x + 1)}{(x - 1)^{5}}$$

Sequence: A039647
Score: 12.5629
Type of gen. func.: egf]

$$-\frac{2x + 1}{x^{2} + x - 1}$$

Sequence: A039647
Score: 17.2986
Type of gen. func.: lgdegf]

$$-\frac{2x^{2} + 2x + 3}{(2x + 1)(x^{2} + x - 1)}$$

Sequence: A039647
Score: 8.83331
Type of gen. func.: lgdegf]

$$-\frac{-2x^{2} - 2x - 3}{-2x^{3} - 3x^{2} + x + 1}$$

Sequence: A039647
Score: 8.97353
Type of gen. func.: egf]

$$f(x)\,x^{2} + f(x)\,x - f(x) + 2x + 1$$

Sequence: A039685
Score: 12.0756
Type of gen. func.: ogf

2

$$\frac{2\ (19\ x\ \ +212\ x+19)}{(x+1)\ (x-1)^{2}}$$

Sequence: A039685
Score: 13.5081
Type of gen. func.: lgdogf

$$-\frac{19\ x^{3}+443\ x^{2}+307\ x+231}{(x-1)\ (x+1)\ (19\ x^{2}+212\ x+19)}$$

Sequence: A039685
Score: 6.32992
Type of gen. func.: ogf

$$(3281\ f(x)+1717032)\ (f(x)\ x^{3}-f(x)\ x^{2}-f(x)\ x-38\ x^{2}+f(x)-424\ x-38)$$

Sequence: A039685
Score: 6.70864
Type of gen. func.: ogf

$$\{a(n+3)-a(n+2)-a(n+1)+a(n),\ a(0)=38,\ a(1)=462,\ a(2)=538\}$$

Sequence: A039685
Score: 9.23425
Type of gen. func.: lgdogf

$$-\frac{-19\ x^{3}-443\ x^{2}-307\ x-231}{-19\ x^{4}-212\ x^{3}+212\ x+19}$$

Sequence: A039690
Score: 7.13259
Type of gen. func.: ogf

$$-\frac{25\ x^{8}+50\ x^{7}+30\ x^{6}+15\ x^{5}+20\ x^{4}+10\ x^{3}+5\ x^{2}+2\ x+1}{{}^{5}}$$

$$10 x - 1$$

Sequence: A039717
Score: 13.7716
Type of gen. func.: ogf

$$-\frac{x - 1}{5 x^2 - 5 x + 1}$$

Sequence: A039717
Score: 14.1165
Type of gen. func.: revogf

$$-\frac{-1 - 5 x + ((x + 1) (1 + 5 x))^{1/2}}{2 (1 + 5 x)}$$

Sequence: A039717
Score: 17.3431
Type of gen. func.: lgdogf

$$-\frac{5 x^2 - 10 x + 4}{(x - 1) (5 x^2 - 5 x + 1)}$$

Sequence: A039717
Score: 7.29083
Type of gen. func.: ogf

$$(5 f(x) + 3) (5 f(x) x^2 - 5 f(x) x + f(x) + x - 1)$$

Sequence: A039717
Score: 7.55756
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - 5 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A039717
Score: 9.38970
Type of gen. func.: lgdogf

$$-\frac{-5 x^2 + 10 x - 4}{-5 x^3 + 10 x^2 - 6 x + 1}$$

Sequence: A039720
Score: 10.8812
Type of gen. func.: ogf

$$\frac{2 (x^4 - 6 x^2 - 4 x - 3)}{(x - 1)^3 (x + 1)^3}$$

Sequence: A039720
Score: 12.9463
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 10 x^3 - 10 x^2 - 15 x - 2)}{(x - 1) (x + 1) (x^4 - 6 x^2 - 4 x - 3)}$$

Sequence: A039720
Score: 6.88214
Type of gen. func.: ogf

$$\{(n + 6) a(n + 1) + (-2 - n) a(n + 3), a(0) = 6, a(1) = 8, a(2) = 30\}$$

Sequence: A039720
Score: 8.13343
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 20 x^3 - 20 x^2 - 30 x - 4}{x^6 - 7 x^4 - 4 x^3 + 3 x^2 + 4 x + 3}$$

Sequence: A039723
Score: 6.05272
Type of gen. func.: ogf

$$-\frac{x\left(200x^{19}-181x^{9}-x^{8}-x^{7}-x^{6}-x^{5}-x^{4}-x^{3}-x^{2}-x-1\right)}{(x+1)\left(x^{4}+x^{3}+x^{2}+x+1\right)\left(x^{4}-x^{3}+x^{2}-x+1\right)(x-1)^{2}}$$

Sequence: A039746
Score: 11.7996
Type of gen. func.: revogf

$$\frac{x\left(311x^{4}+259x^{3}+86x^{2}+14x+1\right)}{(1+6x)^{5}}$$

Sequence: A039799
Score: 6.72732
Type of gen. func.: ogf

$$-\frac{x^{3}\left(x^{11}-x^{10}-x^{8}+2x^{7}-3x^{6}+3x^{5}-2x^{4}-x^{2}+x-1\right)}{(x-1)^{2}}$$

Sequence: A039823
Score: 13.2377
Type of gen. func.: lgdogf

$$-\frac{x^{6}-2x^{5}+3x^{4}+2x^{2}+2}{(x-1)\left(x^{2}+1\right)\left(x^{4}-2x^{3}+2x^{2}-x+1\right)}$$

Sequence: A039823
Score: 8.99904
Type of gen. func.: ogf

$$-\frac{x^{4}-2x^{3}+2x^{2}-x+1}{\left(x^{2}+1\right)(x-1)^{3}}$$

Sequence: A039824
Score: 8.09517
Type of gen. func.: ogf

$$-\frac{2x^8-4x^7+2x^6-3x^4+4x^3+x^2-x+1}{(x-1)^3}$$

Sequence: A039824
Score: 8.18331
Type of gen. func.: lgdogf

$$\frac{10x^8-32x^7+34x^6-12x^5-3x^4+12x^3-13x^2-2}{(x-1)(2x^8-4x^7+2x^6-3x^4+4x^3+x^2-x+1)}$$

Sequence: A039825
Score: 7.52959
Type of gen. func.: ogf

$$-\frac{2x^4-4x^3+4x^2-3x+2}{(x^2+1)(x-1)^3}$$

Sequence: A039825
Score: 8.77697
Type of gen. func.: lgdogf

$$-\frac{2x^6-4x^5+6x^4-4x^3+5x^2-2x+3}{(x-1)(x^2+1)(2x^4-4x^3+4x^2-3x+2)}$$

Sequence: A039827
Score: 6.82825
Type of gen. func.: ogf

10 9 8 7 6 5 3

$$-\frac{x - 2x + x + 2x - 4x + x + 2x - x + 1}{(x-1)^3}$$

Sequence: A039827
Score: 7.07173
Type of gen. func.: lgdogf

$$\frac{7x^{10} - 22x^9 + 23x^8 - 26x^6 + 26x^5 - 5x^4 - 6x^2 + 2x - 2}{(x-1)(x^{10} - 2x^9 + x^8 + 2x^7 - 4x^6 + x^5 + 2x^3 - x + 1)}$$

Sequence: A039830
Score: 5.20206
Type of gen. func.: ogf

$$-\frac{x^8 - 2x^7 + 5x^6 - 6x^5 + 6x^4 - 2x^3 + 4x^2 - 2x + 2}{(x^2+1)^3 (x-1)^3}$$

Sequence: A039830
Score: 6.57202
Type of gen. func.: lgdogf

$$-\frac{x^{10} - 2x^9 + 8x^8 - 8x^7 + 7x^6 + 18x^5 - 2x^4 - 8x^3 + 26x^2 - 8x + 4}{(x-1)(x^2+1)(x^8 - 2x^7 + 5x^6 - 6x^5 + 6x^4 - 2x^3 + 4x^2 - 2x + 2)}$$

Sequence: A039834
Score: 11.4125
Type of gen. func.: lgdogf

$$-\frac{-2x^2 - 2x - 1}{-2x^3 + x^2 + 3x + 1}$$

Sequence: A039834
Score: 16.2311

Type of gen. func.: ogf

$$-\frac{2x+1}{x^2-x-1}$$

Sequence: A039834
Score: 20.6771
Type of gen. func.: revogf

$$\frac{-1+x+((x+1)(1+5x))^{1/2}}{2(x+2)}$$

Sequence: A039834
Score: 24.5541
Type of gen. func.: lgdogf

$$-\frac{2x^2+2x+1}{(2x+1)(x^2-x-1)}$$

Sequence: A039834
Score: 8.20672
Type of gen. func.: ogf

$$-(f(x)-1)(f(x)x^2-f(x)x-f(x)+2x+1)$$

Sequence: A039834
Score: 8.90729
Type of gen. func.: ogf

$$\{a(n+2)+a(n+1)-a(n),\ a(0)=1,\ a(1)=1\}$$

Sequence: A039835
Score: 6.53983
Type of gen. func.: ogf

$$2x^4+9x^3-161x^2-9x-1$$

$$(x - 1) (x^2 + 18 x + 1) (x^2 - 18 x + 1)$$

Sequence: A039919
Score: 4.68454
Type of gen. func.: ogf

$$\{(-5 n^2 - 25 n - 30) a(n + 1) + (6 n^2 + 34 n + 48) a(n + 2) + (-n^2 - 7 n - 10) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 5\}$$

Sequence: A039919
Score: 8.40776
Type of gen. func.: lgdogf

$$-\frac{3 x - 3 + 4 (5 x - 1)^{1/2} (x - 1)^{1/2} x - 3 (5 x - 1)^{1/2} (x - 1)^{1/2}}{2 (5 x - 1)^{1/2} (x - 1)^{3/2} x}$$

Sequence: A039919
Score: 8.77733
Type of gen. func.: ogf

$$f(x)^2 x^3 - f(x)^2 x^2 + 4 f(x) x^2 - 5 f(x) x + f(x) - x$$

Sequence: A039988
Score: 5.02132
Type of gen. func.: ogf

$$-\frac{1000 x^7 + 1000 x^6 - 100 x^4 - 1221 x^3 - 1111 x^2 - 111 x - 11}{(x - 1) (x + 1) (x^2 + 1) (1000 x^4 - 1)}$$

Sequence: A040000
Score: 13.7680
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1), a(0) = 1, a(1) = 2\}$$

Sequence: A040000
Score: 22.0287
Type of gen. func.: ogf

$$-f(x) x + f(x) - x - 1$$

Sequence: A040000
Score: 26.7917
Type of gen. func.: ogf

$$-\frac{x + 1}{x - 1}$$

Sequence: A040000
Score: 30.3962
Type of gen. func.: revogf

$$- x/2 - 1/2 + \frac{(x^2 + 6 x + 1)^{1/2}}{2}$$

Sequence: A040000
Score: 30.9779
Type of gen. func.: lgdogf

$$\frac{2}{-x^2 + 1}$$

Sequence: A040000
Score: 47.1074
Type of gen. func.: ogf_with_Euler_transform]

$$[2 - x]$$

Sequence: A040000
Score: 69.4770
Type of gen. func.: lgdogf

$$-\frac{2}{(x-1)(x+1)}$$

Sequence: A040001
Score: 11.5317
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+1),\ a(0)=1,\ a(1)=1,\ a(2)=2\}$$

Sequence: A040001
Score: 12.2615
Type of gen. func.: ogf

$$-(4 f(x) - 3) (f(x) x^2 + x^2 - f(x) + x + 1)$$

Sequence: A040001
Score: 15.1353
Type of gen. func.: lgdogf

$$-\frac{x^2+4x+1}{x^4+x^3-x-1}$$

Sequence: A040001
Score: 19.7686
Type of gen. func.: ogf

$$-\frac{x^2+x+1}{(x-1)(x+1)}$$

Sequence: A040001
Score: 27.9447
Type of gen. func.: lgdogf

$$-\frac{x^2+4x+1}{2}$$

$$(x - 1) (x + 1) (x + x + 1)$$

Sequence: A040001
Score: 38.6648
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + x + 1$$

Sequence: A040002
Score: 10.0706
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1), a(0) = 2, a(1) = 4\}$$

Sequence: A040002
Score: 16.113
Type of gen. func.: ogf

$$-f(x) x + f(x) - 2 x - 2$$

Sequence: A040002
Score: 19.5969
Type of gen. func.: ogf

$$- \frac{2 (x + 1)}{x - 1}$$

Sequence: A040002
Score: 21.4396
Type of gen. func.: revogf

$$- x/4 - 1/2 + \frac{(x^2 + 12 x + 4)^{1/2}}{4}$$

Sequence: A040002
Score: 22.6589
Type of gen. func.: lgdogf

$$\frac{2}{-x^2 + 1}$$

Sequence: A040002
Score: 34.4302
Type of gen. func.: ogf_with_Euler_transform]

$$[2 - x]$$

Sequence: A040002
Score: 47.1671
Type of gen. func.: lgdogf

$$- \frac{2}{(x - 1)\ (x + 1)}$$

Sequence: A040003
Score: 11.3294
Type of gen. func.: lgdogf

$$- \frac{x^2 + 4\ x + 1}{x^4 + x^3 - x - 1}$$

Sequence: A040003
Score: 14.7976
Type of gen. func.: ogf

$$- \frac{2\ (x^2 + x + 1)}{(x - 1)\ (x + 1)}$$

Sequence: A040003
Score: 20.2145
Type of gen. func.: lgdogf

$$- \frac{x^2 + 4\ x + 1}{}$$

$$(x - 1) (x + 1) (x^2 + x + 1)$$

Sequence: A040003
Score: 28.9214
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + x + 1$$

Sequence: A040003
Score: 8.63195
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 2, a(1) = 2, a(2) = 4\}$$

Sequence: A040003
Score: 9.17828
Type of gen. func.: ogf

$$-(2 f(x) - 3) (f(x) x^2 + 2 x^2 - f(x) + 2 x + 2)$$

Sequence: A040005
Score: 11.3294
Type of gen. func.: lgdogf

$$-\frac{x^2 + 8 x + 1}{2 x^4 + x^3 - x - 2}$$

Sequence: A040005
Score: 13.6808
Type of gen. func.: ogf

$$-f(x) x^2 - 2 x^2 + f(x) - x - 2$$

Sequence: A040005
Score: 14.7976

Type of gen. func.: ogf

$$-\frac{2x^2+x+2}{(x-1)(x+1)}$$

Sequence: A040005
Score: 19.1218
Type of gen. func.: lgdogf

$$-\frac{x^2+8x+1}{(x-1)(x+1)(2x^2+x+2)}$$

Sequence: A040005
Score: 8.63195
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+1), a(0)=2, a(1)=1, a(2)=4\}$$

Sequence: A040006
Score: 10.0706
Type of gen. func.: ogf

$$\{a(n+2)-a(n+1), a(0)=3, a(1)=6\}$$

Sequence: A040006
Score: 16.113
Type of gen. func.: ogf

$$-f(x)\,x+f(x)-3x-3$$

Sequence: A040006
Score: 19.5969
Type of gen. func.: ogf

$$-\frac{3(x+1)}{x-1}$$

Sequence: A040006
Score: 21.4396
Type of gen. func.: revogf

$$-\frac{x}{6}-\frac{1}{2}+\frac{(x^2+18x+9)^{1/2}}{6}$$

Sequence: A040006
Score: 22.6589
Type of gen. func.: lgdogf

$$\frac{2}{-x^2+1}$$

Sequence: A040006
Score: 34.4302
Type of gen. func.: ogf_with_Euler_transform]

[2 - x]

Sequence: A040006
Score: 47.1671
Type of gen. func.: lgdogf

$$-\frac{2}{(x-1)(x+1)}$$

Sequence: A040007
Score: 11.1605
Type of gen. func.: lgdogf

$$-\frac{x^2+4x+1}{x^4+x^3-x-1}$$

Sequence: A040007
Score: 14.5770

Type of gen. func.: ogf

$$-\frac{3\,(x^2+x+1)}{(x-1)\,(x+1)}$$

Sequence: A040007
Score: 19.9069
Type of gen. func.: lgdogf

$$-\frac{x^2+4\,x+1}{(x-1)\,(x+1)\,(x^2+x+1)}$$

Sequence: A040007
Score: 28.4888
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2+x+1$$

Sequence: A040007
Score: 8.50323
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+1),\ a(0)=3,\ a(1)=3,\ a(2)=6\}$$

Sequence: A040007
Score: 9.0414
Type of gen. func.: ogf

$$-(4\,f(x)-9)\,(f(x)\,x^2+3\,x^2-f(x)+3\,x+3)$$

Sequence: A040008
Score: 11.1551
Type of gen. func.: lgdogf

```
                 2
              2 x  + 12 x + 2
         - ---------------------
              4      3
```

$$3 x + 2 x - 2 x - 3$$

Sequence: A040008
Score: 13.6808
Type of gen. func.: ogf

$$-f(x) x^2 - 3 x^2 + f(x) - 2 x - 3$$

Sequence: A040008
Score: 14.7976
Type of gen. func.: ogf

$$-\frac{3 x^2 + 2 x + 3}{(x - 1) (x + 1)}$$

Sequence: A040008
Score: 17.2563
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + 6 x + 1)}{(x - 1) (x + 1) (3 x^2 + 2 x + 3)}$$

Sequence: A040008
Score: 8.63195
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 3, a(1) = 2, a(2) = 6\}$$

Sequence: A040011
Score: 11.1551
Type of gen. func.: lgdogf

$$-\frac{x^2 + 12 x + 1}{3 x^4 + x^3 - x - 3}$$

Sequence: A040011
Score: 13.6808
Type of gen. func.: ogf

$$-f(x) x^2 - 3 x^2 + f(x) - x - 3$$

Sequence: A040011
Score: 14.7976
Type of gen. func.: ogf

$$-\frac{3 x^2 + x + 3}{(x - 1) (x + 1)}$$

Sequence: A040011
Score: 18.6186
Type of gen. func.: lgdogf

$$-\frac{x^2 + 12 x + 1}{(x - 1) (x + 1) (3 x^2 + x + 3)}$$

Sequence: A040011
Score: 8.63195
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 3, a(1) = 1, a(2) = 6\}$$

Sequence: A040012
Score: 10.0706
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1), a(0) = 4, a(1) = 8\}$$

Sequence: A040012
Score: 16.113
Type of gen. func.: ogf

$$-f(x) x + f(x) - 4 x - 4$$

Sequence: A040012
Score: 19.5969
Type of gen. func.: ogf

$$-\frac{4 (x + 1)}{x - 1}$$

Sequence: A040012
Score: 20.8090
Type of gen. func.: revogf

$$-x/8 - 1/2 + \frac{(x^2 + 24 x + 16)^{1/2}}{8}$$

Sequence: A040012
Score: 22.6589
Type of gen. func.: lgdogf

$$\frac{2}{-x^2 + 1}$$

Sequence: A040012
Score: 34.4302
Type of gen. func.: ogf_with_Euler_transform]

[2 - x]

Sequence: A040012
Score: 47.1671
Type of gen. func.: lgdogf

$$-\frac{2}{(x - 1) (x + 1)}$$

Sequence: A040013

Score: 11.1605
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4 x + 1}{x^4 + x^3 - x - 1}$$

Sequence: A040013
Score: 14.5770
Type of gen. func.: ogf

$$-\frac{4 (x^2 + x + 1)}{(x - 1) (x + 1)}$$

Sequence: A040013
Score: 19.9069
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4 x + 1}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A040013
Score: 28.4888
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + x + 1$$

Sequence: A040013
Score: 8.50323
Type of gen. func.: ogf

{-a(n + 3) + a(n + 1), a(0) = 4, a(1) = 4, a(2) = 8}

Sequence: A040013
Score: 8.92838
Type of gen. func.: ogf

$$-(5 f(x) - 18) (f(x) x^2 + 4 x^2 - f(x) + 4 x + 4)$$

Sequence: A040015
Score: 11.3294
Type of gen. func.: lgdogf

$$- \frac{x^2 + 8 x + 1}{2 x^4 + x^3 - x - 2}$$

Sequence: A040015
Score: 13.6808
Type of gen. func.: ogf

$$-f(x) x^2 - 4 x^2 + f(x) - 2 x - 4$$

Sequence: A040015
Score: 14.7976
Type of gen. func.: ogf

$$- \frac{2 (2 x^2 + x + 2)}{(x - 1) (x + 1)}$$

Sequence: A040015
Score: 19.1218
Type of gen. func.: lgdogf

$$- \frac{x^2 + 8 x + 1}{(x - 1) (x + 1) (2 x^2 + x + 2)}$$

Sequence: A040015
Score: 8.63195
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 4, a(1) = 2, a(2) = 8\}$$

Sequence: A040019
Score: 11.1551
Type of gen. func.: lgdogf

$$-\frac{x^2 + 16 x + 1}{4 x^4 + x^3 - x - 4}$$

Sequence: A040019
Score: 13.6808
Type of gen. func.: ogf

$$-f(x) x^2 - 4 x^2 + f(x) - x - 4$$

Sequence: A040019
Score: 14.7976
Type of gen. func.: ogf

$$-\frac{4 x^2 + x + 4}{(x - 1) (x + 1)}$$

Sequence: A040019
Score: 18.6186
Type of gen. func.: lgdogf

$$-\frac{x^2 + 16 x + 1}{(x - 1) (x + 1) (4 x^2 + x + 4)}$$

Sequence: A040019
Score: 8.63195
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 4, a(1) = 1, a(2) = 8\}$$

Sequence: A040020

Score: 14.8717
Type of gen. func.: ogf

$$-f(x) x + f(x) - 5 x - 5$$

Sequence: A040020
Score: 18.0871
Type of gen. func.: ogf

$$-\frac{5 (x + 1)}{x - 1}$$

Sequence: A040020
Score: 18.1443
Type of gen. func.: revogf

$$-\frac{x}{10} - 1/2 + \frac{(x^2 + 30 x + 25)^{1/2}}{10}$$

Sequence: A040020
Score: 20.9132
Type of gen. func.: lgdogf

$$\frac{2}{-x^2 + 1}$$

Sequence: A040020
Score: 31.7219
Type of gen. func.: ogf_with_Euler_transform]

[2 - x]

Sequence: A040020
Score: 46.6568
Type of gen. func.: lgdogf

$$-\frac{2}{(x - 1) (x + 1)}$$

Sequence: A040020
Score: 9.16745
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1), a(0) = 5, a(1) = 10\}$$

Sequence: A040021
Score: 10.9324
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4 x + 1}{x^4 + x^3 - x - 1}$$

Sequence: A040021
Score: 14.2790
Type of gen. func.: ogf

$$-\frac{5 (x^2 + x + 1)}{(x - 1) (x + 1)}$$

Sequence: A040021
Score: 20.0857
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4 x + 1}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A040021
Score: 27.8849
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + x + 1$$

Sequence: A040021
Score: 8.23144
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 5, a(1) = 5, a(2) = 10\}$$

Sequence: A040021
Score: 8.7459
Type of gen. func.: ogf

$$-(4 f(x) - 15) (f(x) x^2 + 5 x^2 - f(x) + 5 x + 5)$$

Sequence: A040022
Score: 11.0232
Type of gen. func.: ogf

$$-\frac{(5 x^2 + 8 x + 5) (x^2 - x + 1)}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040022
Score: 7.54218
Type of gen. func.: ogf

$$(128 f(x) - 477) (f(x) x^4 + 5 x^4 + 3 x^3 + 2 x^2 - f(x) + 3 x + 5)$$

Sequence: A040022
Score: 8.42584
Type of gen. func.: lgdogf

$$-\frac{3 x^6 + 4 x^5 + 9 x^4 + 40 x^3 + 9 x^2 + 4 x + 3}{(x - 1) (x + 1) (x^2 + 1) (5 x^2 + 8 x + 5) (x^2 - x + 1)}$$

Sequence: A040024
Score: 10.7642
Type of gen. func.: lgdogf

2

$$-\frac{2 x + 20 x + 2}{5 x^4 + 2 x^3 - 2 x - 5}$$

Sequence: A040024
Score: 13.2014
Type of gen. func.: ogf

$$-f(x) x^2 - 5 x^2 + f(x) - 2 x - 5$$

Sequence: A040024
Score: 14.2790
Type of gen. func.: ogf

$$-\frac{5 x^2 + 2 x + 5}{(x - 1) (x + 1)}$$

Sequence: A040024
Score: 16.6564
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + 10 x + 1)}{(x - 1) (x + 1) (5 x^2 + 2 x + 5)}$$

Sequence: A040024
Score: 8.23144
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 5, a(1) = 2, a(2) = 10\}$$

Sequence: A040029
Score: 10.7642
Type of gen. func.: lgdogf

$$-\frac{x^2 + 20 x + 1}{5 x^4 + x^3 - x - 5}$$

Sequence: A040029
Score: 13.2014
Type of gen. func.: ogf

$$-f(x) x^2 - 5 x^2 + f(x) - x - 5$$

Sequence: A040029
Score: 14.2790
Type of gen. func.: ogf

$$-\frac{5 x^2 + x + 5}{(x - 1) (x + 1)}$$

Sequence: A040029
Score: 18.4571
Type of gen. func.: lgdogf

$$-\frac{x^2 + 20 x + 1}{(x - 1) (x + 1) (5 x^2 + x + 5)}$$

Sequence: A040029
Score: 8.23144
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 5, a(1) = 1, a(2) = 10\}$$

Sequence: A040030
Score: 14.8717
Type of gen. func.: ogf

$$-f(x) x + f(x) - 6 x - 6$$

Sequence: A040030
Score: 18.0871
Type of gen. func.: ogf

$$-\frac{6\,(x+1)}{x-1}$$

Sequence: A040030
Score: 18.1443
Type of gen. func.: revogf

$$-1/2-\frac{x}{12}+\frac{(x^2+36\,x+36)^{1/2}}{12}$$

Sequence: A040030
Score: 20.9132
Type of gen. func.: lgdogf

$$\frac{2}{-x^2+1}$$

Sequence: A040030
Score: 31.7219
Type of gen. func.: ogf_with_Euler_transform]

[2 - x]

Sequence: A040030
Score: 46.6568
Type of gen. func.: lgdogf

$$-\frac{2}{(x-1)\,(x+1)}$$

Sequence: A040030
Score: 9.16745
Type of gen. func.: ogf

{a(n + 2) - a(n + 1), a(0) = 6, a(1) = 12}

Sequence: A040031
Score: 10.9324
Type of gen. func.: lgdogf

$$-\frac{x^2+4x+1}{x^4+x^3-x-1}$$

Sequence: A040031
Score: 14.2790
Type of gen. func.: ogf

$$-\frac{6(x^2+x+1)}{(x-1)(x+1)}$$

Sequence: A040031
Score: 20.0857
Type of gen. func.: lgdogf

$$-\frac{x^2+4x+1}{(x-1)(x+1)(x^2+x+1)}$$

Sequence: A040031
Score: 27.8849
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2+x+1$$

Sequence: A040031
Score: 8.23144
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+1),\ a(0)=6,\ a(1)=6,\ a(2)=12\}$$

Sequence: A040031
Score: 8.7459

Type of gen. func.: ogf

$$-(5 f(x) - 27) (f(x) x^2 + 6 x^2 - f(x) + 6 x + 6)$$

Sequence: A040032
Score: 10.7642
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 12 x + 2}{3 x^4 + 2 x^3 - 2 x - 3}$$

Sequence: A040032
Score: 13.2014
Type of gen. func.: ogf

$$-f(x) x^2 - 6 x^2 + f(x) - 4 x - 6$$

Sequence: A040032
Score: 14.2790
Type of gen. func.: ogf

$$-\frac{2 (3 x^2 + 2 x + 3)}{(x - 1) (x + 1)}$$

Sequence: A040032
Score: 17.0728
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + 6 x + 1)}{(x - 1) (x + 1) (3 x^2 + 2 x + 3)}$$

Sequence: A040032
Score: 8.23144
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 6, a(1) = 4, a(2) = 12\}$$

Sequence: A040033
Score: 10.9324
Type of gen. func.: lgdogf

$$-\frac{x^2 + 8 x + 1}{2 x^4 + x^3 - x - 2}$$

Sequence: A040033
Score: 13.2014
Type of gen. func.: ogf

$$-f(x) x^2 - 6 x^2 + f(x) - 3 x - 6$$

Sequence: A040033
Score: 14.2790
Type of gen. func.: ogf

$$-\frac{3 (2 x^2 + x + 2)}{(x - 1) (x + 1)}$$

Sequence: A040033
Score: 18.9698
Type of gen. func.: lgdogf

$$-\frac{x^2 + 8 x + 1}{(x - 1) (x + 1) (2 x^2 + x + 2)}$$

Sequence: A040033
Score: 8.23144
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 6, a(1) = 3, a(2) = 12\}$$

Sequence: A040035
Score: 10.7642
Type of gen. func.: lgdogf

$$-\frac{x^2 + 12 x + 1}{3 x^4 + x^3 - x - 3}$$

Sequence: A040035
Score: 13.2014
Type of gen. func.: ogf

$$-f(x) x^2 - 6 x^2 + f(x) - 2 x - 6$$

Sequence: A040035
Score: 14.2790
Type of gen. func.: ogf

$$-\frac{2 (3 x^2 + x + 3)}{(x - 1) (x + 1)}$$

Sequence: A040035
Score: 18.4571
Type of gen. func.: lgdogf

$$-\frac{x^2 + 12 x + 1}{(x - 1) (x + 1) (3 x^2 + x + 3)}$$

Sequence: A040035
Score: 8.23144
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 6, a(1) = 2, a(2) = 12\}$$

Sequence: A040037
Score: 7.54564

Type of gen. func.: ogf

$$-\frac{6x^8 + x^7 + x^6 + x^5 + 2x^4 + x^3 + x^2 + x + 6}{(x - 1)(x + 1)(x^2 + 1)(x^4 + 1)}$$

Sequence: A040041
Score: 10.7642
Type of gen. func.: lgdogf

$$-\frac{x^2 + 24x + 1}{6x^4 + x^3 - x - 6}$$

Sequence: A040041
Score: 13.2014
Type of gen. func.: ogf

$$-f(x)x^2 - 6x^2 + f(x) - x - 6$$

Sequence: A040041
Score: 14.2790
Type of gen. func.: ogf

$$-\frac{6x^2 + x + 6}{(x - 1)(x + 1)}$$

Sequence: A040041
Score: 18.4571
Type of gen. func.: lgdogf

$$-\frac{x^2 + 24x + 1}{(x - 1)(x + 1)(6x^2 + x + 6)}$$

Sequence: A040041
Score: 8.23144

Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 6, a(1) = 1, a(2) = 12\}$$

Sequence: A040042
Score: 14.8717
Type of gen. func.: ogf

$$-f(x) x + f(x) - 7 x - 7$$

Sequence: A040042
Score: 18.0871
Type of gen. func.: ogf

$$-\frac{7 (x + 1)}{x - 1}$$

Sequence: A040042
Score: 18.1443
Type of gen. func.: revogf

$$-\frac{x}{14} - 1/2 + \frac{(x^2 + 42 x + 49)^{1/2}}{14}$$

Sequence: A040042
Score: 20.9132
Type of gen. func.: lgdogf

$$\frac{2}{-x^2 + 1}$$

Sequence: A040042
Score: 31.7219
Type of gen. func.: ogf_with_Euler_transform]

$$[2 - x]$$

Sequence: A040042
Score: 46.6568
Type of gen. func.: lgdogf

$$-\frac{2}{(x-1)(x+1)}$$

Sequence: A040042
Score: 9.16745
Type of gen. func.: ogf

{a(n + 2) - a(n + 1), a(0) = 7, a(1) = 14}

Sequence: A040043
Score: 10.9324
Type of gen. func.: lgdogf

$$-\frac{x^2+4x+1}{x^4+x^3-x-1}$$

Sequence: A040043
Score: 14.2790
Type of gen. func.: ogf

$$-\frac{7(x^2+x+1)}{(x-1)(x+1)}$$

Sequence: A040043
Score: 20.0857
Type of gen. func.: lgdogf

$$-\frac{x^2+4x+1}{(x-1)(x+1)(x^2+x+1)}$$

Sequence: A040043
Score: 27.8849

Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + x + 1$$

Sequence: A040043
Score: 8.23144
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 7, a(1) = 7, a(2) = 14\}$$

Sequence: A040043
Score: 8.7459
Type of gen. func.: ogf

$$-(4 f(x) - 21) (f(x) x^2 + 7 x^2 - f(x) + 7 x + 7)$$

Sequence: A040048
Score: 10.7642
Type of gen. func.: lgdogf

$$- \frac{2 x^2 + 28 x + 2}{7 x^4 + 2 x^3 - 2 x - 7}$$

Sequence: A040048
Score: 13.2014
Type of gen. func.: ogf

$$-f(x) x^2 - 7 x^2 + f(x) - 2 x - 7$$

Sequence: A040048
Score: 14.2790
Type of gen. func.: ogf

$$- \frac{7 x^2 + 2 x + 7}{(x - 1) (x + 1)}$$

Sequence: A040048
Score: 16.6564
Type of gen. func.: lgdogf

$$-\frac{2(x^2+14x+1)}{(x-1)(x+1)(7x^2+2x+7)}$$

Sequence: A040048
Score: 8.23144
Type of gen. func.: ogf

{-a(n + 3) + a(n + 1), a(0) = 7, a(1) = 2, a(2) = 14}

Sequence: A040052
Score: 11.0232
Type of gen. func.: ogf

$$-\frac{7x^4+x^3+2x^2+x+7}{(x-1)(x+1)(x^2+1)}$$

Sequence: A040052
Score: 6.88949
Type of gen. func.: ogf

$$-(30143 f(x) - 208908)(f(x) x^4 + 7 x^4 + x^3 + 2 x^2 - f(x) + x + 7)$$

Sequence: A040052
Score: 8.85247
Type of gen. func.: lgdogf

$$-\frac{x^6+4x^5+3x^4+56x^3+3x^2+4x+1}{(x-1)(x+1)(x^2+1)(7x^4+x^3+2x^2+x+7)}$$

Sequence: A040055
Score: 10.7642
Type of gen. func.: lgdogf

$$-\frac{x^2 + 28 x + 1}{7 x^4 + x^3 - x - 7}$$

Sequence: A040055
Score: 13.2014
Type of gen. func.: ogf

$$-f(x) x^2 - 7 x^2 + f(x) - x - 7$$

Sequence: A040055
Score: 14.2790
Type of gen. func.: ogf

$$-\frac{7 x^2 + x + 7}{(x - 1) (x + 1)}$$

Sequence: A040055
Score: 18.4571
Type of gen. func.: lgdogf

$$-\frac{x^2 + 28 x + 1}{(x - 1) (x + 1) (7 x^2 + x + 7)}$$

Sequence: A040055
Score: 8.23144
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 7, a(1) = 1, a(2) = 14\}$$

Sequence: A040056
Score: 14.8717
Type of gen. func.: ogf

$$-f(x) x + f(x) - 8 x - 8$$

Sequence: A040056
Score: 18.0871
Type of gen. func.: ogf

$$-\frac{8 (x + 1)}{x - 1}$$

Sequence: A040056
Score: 18.1443
Type of gen. func.: revogf

$$-\frac{x}{16} - 1/2 + \frac{(x^2 + 48 x + 64)^{1/2}}{16}$$

Sequence: A040056
Score: 20.9132
Type of gen. func.: lgdogf

$$\frac{2}{-x^2 + 1}$$

Sequence: A040056
Score: 31.7219
Type of gen. func.: ogf_with_Euler_transform]

[2 - x]

Sequence: A040056
Score: 46.6568
Type of gen. func.: lgdogf

$$-\frac{2}{(x - 1) (x + 1)}$$

Sequence: A040056
Score: 9.16745
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1), a(0) = 8, a(1) = 16\}$$

Sequence: A040057
Score: 10.9324
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4 x + 1}{x^4 + x^3 - x - 1}$$

Sequence: A040057
Score: 14.2790
Type of gen. func.: ogf

$$-\frac{8 (x^2 + x + 1)}{(x - 1) (x + 1)}$$

Sequence: A040057
Score: 20.0857
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4 x + 1}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A040057
Score: 27.8849
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + x + 1$$

Sequence: A040057
Score: 8.23144
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 8, a(1) = 8, a(2) = 16\}$$

Sequence: A040057
Score: 8.85661
Type of gen. func.: ogf

$$-(f(x) - 6) (f(x) x^2 + 8 x^2 - f(x) + 8 x + 8)$$

Sequence: A040059
Score: 10.9324
Type of gen. func.: lgdogf

$$- \frac{x^2 + 8 x + 1}{2 x^4 + x^3 - x - 2}$$

Sequence: A040059
Score: 13.2014
Type of gen. func.: ogf

$$-f(x) x^2 - 8 x^2 + f(x) - 4 x - 8$$

Sequence: A040059
Score: 14.2790
Type of gen. func.: ogf

$$- \frac{4 (2 x^2 + x + 2)}{(x - 1) (x + 1)}$$

Sequence: A040059
Score: 18.9698
Type of gen. func.: lgdogf

$$- \frac{x^2 + 8 x + 1}{(x - 1) (x + 1) (2 x^2 + x + 2)}$$

Sequence: A040059
Score: 8.23144
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 8, a(1) = 4, a(2) = 16\}$$

Sequence: A040063
Score: 10.7642
Type of gen. func.: lgdogf

$$-\frac{x^2 + 16 x + 1}{4 x^4 + x^3 - x - 4}$$

Sequence: A040063
Score: 13.2014
Type of gen. func.: ogf

$$-f(x) x^2 - 8 x^2 + f(x) - 2 x - 8$$

Sequence: A040063
Score: 14.2790
Type of gen. func.: ogf

$$-\frac{2 (4 x^2 + x + 4)}{(x - 1) (x + 1)}$$

Sequence: A040063
Score: 18.4571
Type of gen. func.: lgdogf

$$-\frac{x^2 + 16 x + 1}{(x - 1) (x + 1) (4 x^2 + x + 4)}$$

Sequence: A040063
Score: 8.23144
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 8, a(1) = 2, a(2) = 16\}$$

Sequence: A040071
Score: 10.7642
Type of gen. func.: lgdogf

$$-\frac{x^2 + 32 x + 1}{8 x^4 + x^3 - x - 8}$$

Sequence: A040071
Score: 13.2014
Type of gen. func.: ogf

$$-f(x) x^2 - 8 x^2 + f(x) - x - 8$$

Sequence: A040071
Score: 14.2790
Type of gen. func.: ogf

$$-\frac{8 x^2 + x + 8}{(x - 1) (x + 1)}$$

Sequence: A040071
Score: 18.4571
Type of gen. func.: lgdogf

$$-\frac{x^2 + 32 x + 1}{(x - 1) (x + 1) (8 x^2 + x + 8)}$$

Sequence: A040071
Score: 8.23144
Type of gen. func.: ogf

$$\{-a(n+3) + a(n+1), a(0) = 8, a(1) = 1, a(2) = 16\}$$

Sequence: A040072
Score: 14.8717
Type of gen. func.: ogf

$$-f(x)\,x + f(x) - 9\,x - 9$$

Sequence: A040072
Score: 18.0871
Type of gen. func.: ogf

$$-\frac{9\,(x+1)}{x-1}$$

Sequence: A040072
Score: 18.1443
Type of gen. func.: revogf

$$-1/2 - \frac{x}{18} + \frac{(x^2 + 54\,x + 81)^{1/2}}{18}$$

Sequence: A040072
Score: 20.9132
Type of gen. func.: lgdogf

$$\frac{2}{-x^2 + 1}$$

Sequence: A040072
Score: 31.7219
Type of gen. func.: ogf_with_Euler_transform]

$$[2 - x]$$

Sequence: A040072
Score: 46.6568
Type of gen. func.: lgdogf

$$-\frac{2}{(x-1)(x+1)}$$

Sequence: A040072
Score: 9.16745
Type of gen. func.: ogf

{a(n + 2) - a(n + 1), a(0) = 9, a(1) = 18}

Sequence: A040073
Score: 10.9324
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4x + 1}{x^4 + x^3 - x - 1}$$

Sequence: A040073
Score: 14.2790
Type of gen. func.: ogf

$$-\frac{9(x^2 + x + 1)}{(x-1)(x+1)}$$

Sequence: A040073
Score: 20.0857
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4x + 1}{(x-1)(x+1)(x^2 + x + 1)}$$

Sequence: A040073
Score: 27.8849
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + x + 1$$

Sequence: A040073
Score: 8.23144
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 9, a(1) = 9, a(2) = 18\}$$

Sequence: A040073
Score: 8.63793
Type of gen. func.: ogf

$$-(10 f(x) - 81) (f(x) x^2 + 9 x^2 - f(x) + 9 x + 9)$$

Sequence: A040074
Score: 10.7642
Type of gen. func.: lgdogf

$$- \frac{2 x^2 + 12 x + 2}{3 x^4 + 2 x^3 - 2 x - 3}$$

Sequence: A040074
Score: 13.2014
Type of gen. func.: ogf

$$-f(x) x^2 - 9 x^2 + f(x) - 6 x - 9$$

Sequence: A040074
Score: 14.2790
Type of gen. func.: ogf

$$- \frac{3 (3 x^2 + 2 x + 3)}{(x - 1) (x + 1)}$$

Sequence: A040074
Score: 17.0728
Type of gen. func.: lgdogf

$$-\frac{2\,(x^2 + 6\,x + 1)}{(x - 1)\,(x + 1)\,(3\,x^2 + 2\,x + 3)}$$

Sequence: A040074
Score: 8.23144
Type of gen. func.: ogf

{-a(n + 3) + a(n + 1), a(0) = 9, a(1) = 6, a(2) = 18}

Sequence: A040075
Score: 18.7835
Type of gen. func.: lgdogf

$$\frac{20}{-4\,x + 1}$$

Sequence: A040075
Score: 44.4120
Type of gen. func.: lgdogf

$$-\frac{20}{-1 + 4\,x}$$

Sequence: A040075
Score: 5.13888
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (24 + 4 n) a(n + 1), a(0) = 1, a(1) = 20}

Sequence: A040075
Score: 8.51127
Type of gen. func.: ogf

$$- \frac{}{(-1 + 4 x)^5}$$

Sequence: A040077
Score: 10.7642
Type of gen. func.: lgdogf

$$- \frac{x^2 + 12 x + 1}{3 x^4 + x^3 - x - 3}$$

Sequence: A040077
Score: 13.2014
Type of gen. func.: ogf

$$-f(x) x^2 - 9 x^2 + f(x) - 3 x - 9$$

Sequence: A040077
Score: 14.2790
Type of gen. func.: ogf

$$- \frac{3 (3 x^2 + x + 3)}{(x - 1) (x + 1)}$$

Sequence: A040077
Score: 18.4571
Type of gen. func.: lgdogf

$$- \frac{x^2 + 12 x + 1}{(x - 1) (x + 1) (3 x^2 + x + 3)}$$

Sequence: A040077
Score: 8.23144
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 9, a(1) = 3, a(2) = 18\}$$

Sequence: A040080
Score: 10.7642
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 36 x + 2}{9 x^4 + 2 x^3 - 2 x - 9}$$

Sequence: A040080
Score: 13.2014
Type of gen. func.: ogf

$$-f(x) x^2 - 9 x^2 + f(x) - 2 x - 9$$

Sequence: A040080
Score: 14.2790
Type of gen. func.: ogf

$$-\frac{9 x^2 + 2 x + 9}{(x - 1) (x + 1)}$$

Sequence: A040080
Score: 16.6564
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + 18 x + 1)}{(x - 1) (x + 1) (9 x^2 + 2 x + 9)}$$

Sequence: A040080
Score: 8.23144
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 9, a(1) = 2, a(2) = 18\}$$

```
Sequence:  A040090
Score: 10.7497
Type of gen. func.: ogf


                  {a(n + 2) - a(n + 1), a(0) = 10, a(1) = 20}



------------------------------------------------------------------------------

Sequence:  A040090
Score: 16.9251
Type of gen. func.: ogf


                           -f(x) x + f(x) - 10 x - 10



------------------------------------------------------------------------------

Sequence:  A040090
Score: 20.3969
Type of gen. func.: ogf


                                    10 (x + 1)
                                  - ----------
                                      x - 1



------------------------------------------------------------------------------

Sequence:  A040090
Score: 21.0516
Type of gen. func.: revogf


                                       2              1/2
                         x            (x  + 60 x + 100)
                      - ---- - 1/2 + --------------------
                         20                   20



------------------------------------------------------------------------------

Sequence:  A040090
Score: 24.8588
Type of gen. func.: lgdogf


                                       2
                                    -------
                                      2
                                    -x  + 1



------------------------------------------------------------------------------

Sequence:  A040090
Score: 37.7338
Type of gen. func.: ogf_with_Euler_transform]


                                    [2 - x]
```

Sequence: A040090
Score: 55.6363
Type of gen. func.: lgdogf

$$-\frac{2}{(x-1)(x+1)}$$

Sequence: A040091
Score: 10.2841
Type of gen. func.: lgdogf

$$-\frac{x^2+4x+1}{x^4+x^3-x-1}$$

Sequence: A040091
Score: 12.6573
Type of gen. func.: ogf

$$-\frac{10(x^2+x+1)}{(x-1)(x+1)}$$

Sequence: A040091
Score: 18.3493
Type of gen. func.: lgdogf

$$-\frac{x^2+4x+1}{(x-1)(x+1)(x^2+x+1)}$$

Sequence: A040091
Score: 26.2039
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2+x+1$$

Sequence: A040091
Score: 7.56531
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+1), a(0)=10, a(1)=10, a(2)=20\}$$

Sequence: A040091
Score: 8.02661
Type of gen. func.: ogf

$$-(f(x)-9)\,(f(x)\,x^2+10\,x^2-f(x)+10\,x+10)$$

Sequence: A040093
Score: 10.9978
Type of gen. func.: lgdogf

$$-\frac{x^2+8\,x+1}{2\,x^4+x^3-x-2}$$

Sequence: A040093
Score: 12.7975
Type of gen. func.: ogf

$$-f(x)\,x^2-10\,x^2+f(x)-5\,x-10$$

Sequence: A040093
Score: 13.8012
Type of gen. func.: ogf

$$-\frac{5\,(2\,x^2+x+2)}{(x-1)\,(x+1)}$$

Sequence: A040093
Score: 19.0862
Type of gen. func.: lgdogf

$$2$$

$$-\frac{x + 8x + 1}{(x-1)(x+1)(2x^2 + x + 2)}$$

Sequence: A040093
Score: 8.18443
Type of gen. func.: ogf

$$\{-a(n+3) + a(n+1), a(0) = 10, a(1) = 5, a(2) = 20\}$$

Sequence: A040094
Score: 10.8286
Type of gen. func.: lgdogf

$$-\frac{2x^2 + 20x + 2}{5x^4 + 2x^3 - 2x - 5}$$

Sequence: A040094
Score: 12.7975
Type of gen. func.: ogf

$$-f(x)x^2 - 10x^2 + f(x) - 4x - 10$$

Sequence: A040094
Score: 13.8012
Type of gen. func.: ogf

$$-\frac{2(5x^2 + 2x + 5)}{(x-1)(x+1)}$$

Sequence: A040094
Score: 16.7586
Type of gen. func.: lgdogf

$$-\frac{2(x^2 + 10x + 1)}{(x-1)(x+1)(5x^2 + 2x + 5)}$$

Sequence: A040094
Score: 8.18443
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 10, a(1) = 4, a(2) = 20\}$$

Sequence: A040099
Score: 10.8286
Type of gen. func.: lgdogf

$$-\frac{x^{2} + 20 x + 1}{5 x^{4} + x^{3} - x - 5}$$

Sequence: A040099
Score: 12.7975
Type of gen. func.: ogf

$$-f(x) x^{2} - 10 x^{2} + f(x) - 2 x - 10$$

Sequence: A040099
Score: 13.8012
Type of gen. func.: ogf

$$-\frac{2 (5 x^{2} + x + 5)}{(x - 1) (x + 1)}$$

Sequence: A040099
Score: 18.5703
Type of gen. func.: lgdogf

$$-\frac{x^{2} + 20 x + 1}{(x - 1) (x + 1) (5 x^{2} + x + 5)}$$

Sequence: A040099
Score: 8.18443
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+1), a(0)=10, a(1)=2, a(2)=20\}$$

Sequence: A040109
Score: 10.5054
Type of gen. func.: lgdogf

$$-\frac{x^2+40x+1}{10x^4+x^3-x-10}$$

Sequence: A040109
Score: 12.7975
Type of gen. func.: ogf

$$-f(x)x^2-10x^2+f(x)-x-10$$

Sequence: A040109
Score: 13.8012
Type of gen. func.: ogf

$$-\frac{10x^2+x+10}{(x-1)(x+1)}$$

Sequence: A040109
Score: 17.6180
Type of gen. func.: lgdogf

$$-\frac{x^2+40x+1}{(x-1)(x+1)(10x^2+x+10)}$$

Sequence: A040109
Score: 8.18443
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 10, a(1) = 1, a(2) = 20\}$$

Sequence: A040110
Score: 14.0039
Type of gen. func.: ogf

$$-f(x) x + f(x) - 11 x - 11$$

Sequence: A040110
Score: 16.8765
Type of gen. func.: ogf

$$- \frac{11 (x + 1)}{x - 1}$$

Sequence: A040110
Score: 17.3575
Type of gen. func.: revogf

$$- 1/2 - \frac{x}{22} + \frac{(x^2 + 66 x + 121)^{1/2}}{22}$$

Sequence: A040110
Score: 20.5682
Type of gen. func.: lgdogf

$$\frac{2}{-x^2 + 1}$$

Sequence: A040110
Score: 31.1951
Type of gen. func.: ogf_with_Euler_transform]

$$[2 - x]$$

Sequence: A040110
Score: 42.8151
Type of gen. func.: lgdogf

$$-\frac{2}{(x-1)(x+1)}$$

Sequence: A040110
Score: 8.89435
Type of gen. func.: ogf

{a(n + 2) - a(n + 1), a(0) = 11, a(1) = 22}

Sequence: A040111
Score: 10.2841
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4x + 1}{x^4 + x^3 - x - 1}$$

Sequence: A040111
Score: 12.6573
Type of gen. func.: ogf

$$-\frac{11(x^2 + x + 1)}{(x-1)(x+1)}$$

Sequence: A040111
Score: 18.3493
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4x + 1}{(x-1)(x+1)(x^2 + x + 1)}$$

Sequence: A040111
Score: 26.2039
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + x + 1$$

Sequence: A040111
Score: 7.56531
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 11, a(1) = 11, a(2) = 22\}$$

Sequence: A040111
Score: 7.92991
Type of gen. func.: ogf

$$-(4 f(x) - 33) (f(x) x^2 + 11 x^2 - f(x) + 11 x + 11)$$

Sequence: A040118
Score: 10.6539
Type of gen. func.: lgdogf

$$- \frac{2 (x^4 + 2 x^3 + 33 x^2 + 2 x + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (11 x^2 - 9 x + 11)}$$

Sequence: A040118
Score: 12.0254
Type of gen. func.: ogf

$$- \frac{(x + 1) (11 x^2 - 9 x + 11)}{(x - 1) (x^2 + x + 1)}$$

Sequence: A040118
Score: 7.23980
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 1), a(0) = 11, a(1) = 2, a(2) = 2, a(3) = 22\}$$

Sequence: A040118
Score: 7.71194
Type of gen. func.: ogf

$$-(23 f(x) - 247) (f(x) x^3 + 11 x^3 + 2 x^2 - f(x) + 2 x + 11)$$

Sequence: A040120
Score: 10.5054
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 44 x + 2}{11 x^4 + 2 x^3 - 2 x - 11}$$

Sequence: A040120
Score: 12.7975
Type of gen. func.: ogf

$$-f(x) x^2 - 11 x^2 + f(x) - 2 x - 11$$

Sequence: A040120
Score: 13.8012
Type of gen. func.: ogf

$$-\frac{11 x^2 + 2 x + 11}{(x - 1) (x + 1)}$$

Sequence: A040120
Score: 15.9791
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + 22 x + 1)}{(x - 1) (x + 1) (11 x^2 + 2 x + 11)}$$

Sequence: A040120

Score: 8.18443
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 11, a(1) = 2, a(2) = 22\}$$

Sequence: A040131
Score: 10.5054
Type of gen. func.: lgdogf

$$-\frac{x^2 + 44 x + 1}{11 x^4 + x^3 - x - 11}$$

Sequence: A040131
Score: 12.7975
Type of gen. func.: ogf

$$-f(x) x^2 - 11 x^2 + f(x) - x - 11$$

Sequence: A040131
Score: 13.8012
Type of gen. func.: ogf

$$-\frac{11 x^2 + x + 11}{(x - 1) (x + 1)}$$

Sequence: A040131
Score: 17.6180
Type of gen. func.: lgdogf

$$-\frac{x^2 + 44 x + 1}{(x - 1) (x + 1) (11 x^2 + x + 11)}$$

Sequence: A040131
Score: 8.18443
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 11, a(1) = 1, a(2) = 22\}$$

Sequence: A040132
Score: 14.0039
Type of gen. func.: ogf

$$-f(x) x + f(x) - 12 x - 12$$

Sequence: A040132
Score: 16.8765
Type of gen. func.: ogf

$$-\frac{12 (x + 1)}{x - 1}$$

Sequence: A040132
Score: 17.3575
Type of gen. func.: revogf

$$- 1/2 - \frac{x}{24} + \frac{(x^2 + 72 x + 144)^{1/2}}{24}$$

Sequence: A040132
Score: 20.5682
Type of gen. func.: lgdogf

$$\frac{2}{-x^2 + 1}$$

Sequence: A040132
Score: 31.1951
Type of gen. func.: ogf_with_Euler_transform]

$$[2 - x]$$

Sequence: A040132
Score: 42.8151

Type of gen. func.: lgdogf

$$-\frac{2}{(x-1)(x+1)}$$

Sequence: A040132
Score: 8.89435
Type of gen. func.: ogf

{a(n + 2) - a(n + 1), a(0) = 12, a(1) = 24}

Sequence: A040133
Score: 10.2841
Type of gen. func.: lgdogf

$$-\frac{x^2+4x+1}{x^4+x^3-x-1}$$

Sequence: A040133
Score: 12.6573
Type of gen. func.: ogf

$$-\frac{12(x^2+x+1)}{(x-1)(x+1)}$$

Sequence: A040133
Score: 18.3493
Type of gen. func.: lgdogf

$$-\frac{x^2+4x+1}{(x-1)(x+1)(x^2+x+1)}$$

Sequence: A040133
Score: 26.2039
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + x + 1$$

Sequence: A040133
Score: 7.56531
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 12, a(1) = 12, a(2) = 24\}$$

Sequence: A040133
Score: 7.92991
Type of gen. func.: ogf

$$-(5 f(x) - 54) (f(x) x^2 + 12 x^2 - f(x) + 12 x + 12)$$

Sequence: A040134
Score: 10.8286
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 12 x + 2}{3 x^4 + 2 x^3 - 2 x - 3}$$

Sequence: A040134
Score: 13.8012
Type of gen. func.: ogf

$$-\frac{4 (3 x^2 + 2 x + 3)}{(x - 1) (x + 1)}$$

Sequence: A040134
Score: 14.7121
Type of gen. func.: ogf

$$-f(x) x^2 - 12 x^2 + f(x) - 8 x - 12$$

Sequence: A040134
Score: 17.1776
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + 6 x + 1)}{(x - 1) (x + 1) (3 x^2 + 2 x + 3)}$$

Sequence: A040134
Score: 8.18443
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 12, a(1) = 8, a(2) = 24\}$$

Sequence: A040135
Score: 10.9978
Type of gen. func.: lgdogf

$$-\frac{x^2 + 8 x + 1}{2 x^4 + x^3 - x - 2}$$

Sequence: A040135
Score: 12.7975
Type of gen. func.: ogf

$$-f(x) x^2 - 12 x^2 + f(x) - 6 x - 12$$

Sequence: A040135
Score: 13.8012
Type of gen. func.: ogf

$$-\frac{6 (2 x^2 + x + 2)}{(x - 1) (x + 1)}$$

Sequence: A040135
Score: 19.0862
Type of gen. func.: lgdogf

$$-\frac{x^2 + 8x + 1}{(x - 1)(x + 1)(2x^2 + x + 2)}$$

Sequence: A040135
Score: 8.18443
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 12, a(1) = 6, a(2) = 24\}$$

Sequence: A040137
Score: 10.8286
Type of gen. func.: lgdogf

$$-\frac{x^2 + 12x + 1}{3x^4 + x^3 - x - 3}$$

Sequence: A040137
Score: 13.8012
Type of gen. func.: ogf

$$-\frac{4(3x^2 + x + 3)}{(x - 1)(x + 1)}$$

Sequence: A040137
Score: 14.7121
Type of gen. func.: ogf

$$-f(x)x^2 - 12x^2 + f(x) - 4x - 12$$

Sequence: A040137
Score: 18.5703
Type of gen. func.: lgdogf

$$-\frac{x^2 + 12x + 1}{}$$

$$(x - 1) (x + 1) (3 x^2 + x + 3)$$

Sequence: A040137
Score: 8.18443
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 12, a(1) = 4, a(2) = 24\}$$

Sequence: A040139
Score: 10.8286
Type of gen. func.: lgdogf

$$-\frac{x^2 + 16 x + 1}{4 x^4 + x^3 - x - 4}$$

Sequence: A040139
Score: 12.7975
Type of gen. func.: ogf

$$-f(x) x^2 - 12 x^2 + f(x) - 3 x - 12$$

Sequence: A040139
Score: 13.8012
Type of gen. func.: ogf

$$-\frac{3 (4 x^2 + x + 4)}{(x - 1) (x + 1)}$$

Sequence: A040139
Score: 18.5703
Type of gen. func.: lgdogf

$$-\frac{x^2 + 16 x + 1}{(x - 1) (x + 1) (4 x^2 + x + 4)}$$

Sequence: A040139
Score: 8.18443
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 12, a(1) = 3, a(2) = 24\}$$

Sequence: A040142
Score: 10.5321
Type of gen. func.: ogf

$$- \frac{2 (6 x^4 + x^3 + 2 x^2 + x + 6)}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040142
Score: 7.35052
Type of gen. func.: ogf

$$(25 f(x) - 264) (f(x) x^4 + 12 x^4 + 2 x^3 + 4 x^2 - f(x) + 2 x + 12)$$

Sequence: A040142
Score: 8.60680
Type of gen. func.: lgdogf

$$- \frac{x^6 + 4 x^5 + 3 x^4 + 48 x^3 + 3 x^2 + 4 x + 1}{(x - 1) (x + 1) (x^2 + 1) (6 x^4 + x^3 + 2 x^2 + x + 6)}$$

Sequence: A040143
Score: 10.8286
Type of gen. func.: lgdogf

$$- \frac{x^2 + 24 x + 1}{6 x^4 + x^3 - x - 6}$$

Sequence: A040143
Score: 12.7975
Type of gen. func.: ogf

$$-f(x)\,x^2 - 12\,x^2 + f(x) - 2\,x - 12$$

Sequence: A040143
Score: 13.8012
Type of gen. func.: ogf

$$-\frac{2\,(6\,x^2 + x + 6)}{(x - 1)\,(x + 1)}$$

Sequence: A040143
Score: 18.5703
Type of gen. func.: lgdogf

$$-\frac{x^2 + 24\,x + 1}{(x - 1)\,(x + 1)\,(6\,x^2 + x + 6)}$$

Sequence: A040143
Score: 8.18443
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1),\ a(0) = 12,\ a(1) = 2,\ a(2) = 24\}$$

Sequence: A040151
Score: 8.63498
Type of gen. func.: ogf

$$-\frac{12\,x^6 + x^5 + 4\,x^4 + 6\,x^3 + 4\,x^2 + x + 12}{(x - 1)\,(x + 1)\,(x^2 + x + 1)\,(x^2 - x + 1)}$$

Sequence: A040155
Score: 10.5054
Type of gen. func.: lgdogf

$$-\frac{x^2 + 48 x + 1}{12 x^4 + x^3 - x - 12}$$

Sequence: A040155
Score: 12.7975
Type of gen. func.: ogf

$$-f(x) x^2 - 12 x^2 + f(x) - x - 12$$

Sequence: A040155
Score: 13.8012
Type of gen. func.: ogf

$$-\frac{12 x^2 + x + 12}{(x - 1) (x + 1)}$$

Sequence: A040155
Score: 17.6180
Type of gen. func.: lgdogf

$$-\frac{x^2 + 48 x + 1}{(x - 1) (x + 1) (12 x^2 + x + 12)}$$

Sequence: A040155
Score: 8.18443
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 12, a(1) = 1, a(2) = 24\}$$

Sequence: A040156
Score: 14.0039
Type of gen. func.: ogf

$$-f(x) x + f(x) - 13 x - 13$$

Sequence: A040156
Score: 16.8765
Type of gen. func.: ogf

$$-\frac{13\,(x + 1)}{x - 1}$$

Sequence: A040156
Score: 17.3575
Type of gen. func.: revogf

$$-1/2 - \frac{x}{26} + \frac{(x^2 + 78\,x + 169)^{1/2}}{26}$$

Sequence: A040156
Score: 20.5682
Type of gen. func.: lgdogf

$$\frac{2}{-x^2 + 1}$$

Sequence: A040156
Score: 31.1951
Type of gen. func.: ogf_with_Euler_transform]

[2 - x]

Sequence: A040156
Score: 42.8151
Type of gen. func.: lgdogf

$$-\frac{2}{(x - 1)\,(x + 1)}$$

Sequence: A040156
Score: 8.89435
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1), a(0) = 13, a(1) = 26\}$$

Sequence: A040157
Score: 10.2841
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4 x + 1}{x^4 + x^3 - x - 1}$$

Sequence: A040157
Score: 12.6573
Type of gen. func.: ogf

$$-\frac{13 (x^2 + x + 1)}{(x - 1) (x + 1)}$$

Sequence: A040157
Score: 18.3493
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4 x + 1}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A040157
Score: 26.2039
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + x + 1$$

Sequence: A040157
Score: 7.56531
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 13, a(1) = 13, a(2) = 26\}$$

Sequence: A040157
Score: 7.92991
Type of gen. func.: ogf

$$-(4 f(x) - 39) (f(x) x^2 + 13 x^2 - f(x) + 13 x + 13)$$

Sequence: A040166
Score: 10.5321
Type of gen. func.: ogf

$$-\frac{13 x^4 + 2 x^3 + 2 x^2 + 2 x + 13}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040166
Score: 7.50691
Type of gen. func.: ogf

$$(7 f(x) - 96) (f(x) x^4 + 13 x^4 + 2 x^3 + 2 x^2 - f(x) + 2 x + 13)$$

Sequence: A040166
Score: 7.82436
Type of gen. func.: lgdogf

$$-\frac{2 (x^6 + 2 x^5 + 3 x^4 + 52 x^3 + 3 x^2 + 2 x + 1)}{(x - 1) (x + 1) (x^2 + 1) (13 x^4 + 2 x^3 + 2 x^2 + 2 x + 13)}$$

Sequence: A040168
Score: 10.5054
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 52 x + 2}{13 x^4 + 2 x^3 - 2 x - 13}$$

Sequence: A040168
Score: 12.7975
Type of gen. func.: ogf

$$-f(x)\,x^2 - 13\,x^2 + f(x) - 2\,x - 13$$

Sequence: A040168
Score: 13.8012
Type of gen. func.: ogf

$$-\frac{13\,x^2 + 2\,x + 13}{(x - 1)\,(x + 1)}$$

Sequence: A040168
Score: 15.9791
Type of gen. func.: lgdogf

$$-\frac{2\,(x^2 + 26\,x + 1)}{(x - 1)\,(x + 1)\,(13\,x^2 + 2\,x + 13)}$$

Sequence: A040168
Score: 8.18443
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 13, a(1) = 2, a(2) = 26\}$$

Sequence: A040181
Score: 10.5054
Type of gen. func.: lgdogf

$$-\frac{x^2 + 52\,x + 1}{13\,x^4 + x^3 - x - 13}$$

Sequence: A040181
Score: 12.7975

Type of gen. func.: ogf

$$-f(x) x^2 - 13 x^2 + f(x) - x - 13$$

Sequence: A040181
Score: 13.8012
Type of gen. func.: ogf

$$-\frac{13 x^2 + x + 13}{(x - 1) (x + 1)}$$

Sequence: A040181
Score: 17.6180
Type of gen. func.: lgdogf

$$-\frac{x^2 + 52 x + 1}{(x - 1) (x + 1) (13 x^2 + x + 13)}$$

Sequence: A040181
Score: 8.18443
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 13, a(1) = 1, a(2) = 26\}$$

Sequence: A040182
Score: 14.6454
Type of gen. func.: ogf

$$-f(x) x + f(x) - 14 x - 14$$

Sequence: A040182
Score: 17.6496
Type of gen. func.: ogf

$$-\frac{14 (x + 1)}{x - 1}$$

Sequence: A040182
Score: 18.1685
Type of gen. func.: revogf

$$-\frac{x}{28} - 1/2 + \frac{(x^2 + 84\,x + 196)^{1/2}}{28}$$

Sequence: A040182
Score: 21.5105
Type of gen. func.: lgdogf

$$\frac{2}{-x^2 + 1}$$

Sequence: A040182
Score: 32.6311
Type of gen. func.: ogf_with_Euler_transform]

[2 - x]

Sequence: A040182
Score: 48.0167
Type of gen. func.: lgdogf

$$-\frac{2}{(x - 1)\,(x + 1)}$$

Sequence: A040182
Score: 9.30182
Type of gen. func.: ogf

{a(n + 2) - a(n + 1), a(0) = 14, a(1) = 28}

Sequence: A040183
Score: 10.2841
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4x + 1}{x^4 + x^3 - x - 1}$$

Sequence: A040183
Score: 12.6573
Type of gen. func.: ogf

$$-\frac{14 (x^2 + x + 1)}{(x - 1) (x + 1)}$$

Sequence: A040183
Score: 18.3493
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4x + 1}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A040183
Score: 26.2039
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + x + 1$$

Sequence: A040183
Score: 7.56531
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 14, a(1) = 14, a(2) = 28\}$$

Sequence: A040183
Score: 7.92991
Type of gen. func.: ogf

$$-(5 f(x) - 63) (f(x) x^2 + 14 x^2 - f(x) + 14 x + 14)$$

Sequence: A040185
Score: 12.8850
Type of gen. func.: lgdogf

$$-\frac{x^2 + 8 x + 1}{2 x^4 + x^3 - x - 2}$$

Sequence: A040185
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^2 - 14 x^2 + f(x) - 7 x - 14$$

Sequence: A040185
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{7 (2 x^2 + x + 2)}{(x - 1) (x + 1)}$$

Sequence: A040185
Score: 22.4270
Type of gen. func.: lgdogf

$$-\frac{x^2 + 8 x + 1}{(x - 1) (x + 1) (2 x^2 + x + 2)}$$

Sequence: A040185
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 14, a(1) = 7, a(2) = 28\}$$

Sequence: A040187

Score: 9.32443
Type of gen. func.: ogf

$$-\frac{(x+1)(14x^6-10x^5+11x^4-9x^3+11x^2-10x+14)}{(x-1)(x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A040188
Score: 12.6868
Type of gen. func.: lgdogf

$$-\frac{2x^2+28x+2}{7x^4+2x^3-2x-7}$$

Sequence: A040188
Score: 14.9935
Type of gen. func.: ogf

$$-f(x)x^2-14x^2+f(x)-4x-14$$

Sequence: A040188
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{2(7x^2+2x+7)}{(x-1)(x+1)}$$

Sequence: A040188
Score: 19.6920
Type of gen. func.: lgdogf

$$-\frac{2(x^2+14x+1)}{(x-1)(x+1)(7x^2+2x+7)}$$

Sequence: A040188

Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+1),\ a(0)=14,\ a(1)=4,\ a(2)=28\}$$

Sequence: A040189
Score: 8.59288
Type of gen. func.: ogf

$$-\frac{14x^8+3x^7+x^6+x^5+6x^4+x^3+x^2+3x+14}{(x-1)(x+1)(x^2+1)(x^4+1)}$$

Sequence: A040190
Score: 8.59288
Type of gen. func.: ogf

$$-\frac{14x^8+3x^7+6x^6+x^5+4x^4+x^3+6x^2+3x+14}{(x-1)(x+1)(x^2+1)(x^4+1)}$$

Sequence: A040191
Score: 8.50717
Type of gen. func.: ogf

$$-\frac{(x^2-x+1)(14x^6+16x^5+3x^4-8x^3+3x^2+16x+14)}{(x-1)(x+1)(x^2+1)(x^4+1)}$$

Sequence: A040192
Score: 8.59288
Type of gen. func.: ogf

$$-\frac{14x^8+2x^7+x^6+x^5+2x^4+x^3+x^2+2x+14}{(x-1)(x+1)(x^2+1)(x^4+1)}$$

Sequence: A040193

Score: 10.3308
Type of gen. func.: ogf

$$-\frac{14 x^6 + 2 x^5 + 2 x^4 + x^3 + 2 x^2 + 2 x + 14}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A040194
Score: 8.59288
Type of gen. func.: ogf

$$-\frac{14 x^8 + 2 x^7 + 5 x^6 + 3 x^5 + 2 x^4 + 3 x^3 + 5 x^2 + 2 x + 14}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A040195
Score: 12.6868
Type of gen. func.: lgdogf

$$-\frac{x^2 + 28 x + 1}{7 x^4 + x^3 - x - 7}$$

Sequence: A040195
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^2 - 14 x^2 + f(x) - 2 x - 14$$

Sequence: A040195
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{2 (7 x^2 + x + 7)}{(x - 1) (x + 1)}$$

Sequence: A040195

Score: 21.8208
Type of gen. func.: lgdogf

$$-\frac{x^2 + 28 x + 1}{(x - 1) (x + 1) (7 x^2 + x + 7)}$$

Sequence: A040195
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 14, a(1) = 2, a(2) = 28\}$$

Sequence: A040198
Score: 6.36640
Type of gen. func.: ogf

$$-(14 x^{12} + x^{11} + x^{10} + 2 x^9 + 6 x^8 + x^7 + 8 x^6 + x^5 + 6 x^4 + 2 x^3 + x^2 + x + 14) / ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x^4 - x^2 + 1))$$

Sequence: A040200
Score: 10.4124
Type of gen. func.: lgdogf

$$-\frac{x^6 + 2 x^5 + 3 x^4 + 112 x^3 + 3 x^2 + 2 x + 1}{(x - 1) (x + 1) (x^2 + 1) (14 x^4 + x^3 + x^2 + x + 14)}$$

Sequence: A040200
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{14 x^4 + x^3 + x^2 + x + 14}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040200
Score: 8.86163
Type of gen. func.: ogf

$$(29 f(x) - 403) (f(x) x^4 + 14 x^4 + x^3 + x^2 - f(x) + x + 14)$$

Sequence: A040201
Score: 10.3308
Type of gen. func.: ogf

$$- \frac{14 x^6 + x^5 + 2 x^4 + 3 x^3 + 2 x^2 + x + 14}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A040201
Score: 6.40909
Type of gen. func.: lgdogf

$$- (x^{10} + 4 x^9 + 9 x^8 + 8 x^7 + 5 x^6 + 168 x^5 + 5 x^4 + 8 x^3 + 9 x^2 + 4 x + 1) / ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (14 x^6 + x^5 + 2 x^4 + 3 x^3 + 2 x^2 + x + 14))$$

Sequence: A040202
Score: 4.97347
Type of gen. func.: ogf

$$- (x^2 - x + 1) (14 x^{14} + 15 x^{13} + 3 x^{12} - 11 x^{11} - 12 x^{10} + 13 x^8 + 22 x^7 + 13 x^6 - 12 x^4 - 11 x^3 + 3 x^2 + 15 x + 14) / ((x - 1) (x + 1) (x^2 + 1) (x^4 + 1) (x^8 + 1))$$

Sequence: A040203
Score: 11.2547
Type of gen. func.: ogf

$$-\frac{(x+1)\,(7x^2+4x+7)\,(2x^2-3x+2)}{(x-1)\,(x^4+x^3+x^2+x+1)}$$

Sequence: A040203
Score: 7.65123
Type of gen. func.: lgdogf

$$-\frac{x^8+6x^7+9x^6+4x^5+140x^4+4x^3+9x^2+6x+1}{(x-1)\,(x+1)\,(7x^2+4x+7)\,(2x^2-3x+2)\,(x^4+x^3+x^2+x+1)}$$

Sequence: A040204
Score: 10.1585
Type of gen. func.: lgdogf

$$-\frac{x^6+6x^5+3x^4+112x^3+3x^2+6x+1}{(x-1)\,(x+1)\,(x^2+1)\,(14x^4+x^3+3x^2+x+14)}$$

Sequence: A040204
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{14x^4+x^3+3x^2+x+14}{(x-1)\,(x+1)\,(x^2+1)}$$

Sequence: A040204
Score: 8.02563
Type of gen. func.: ogf

$$-(19375\,f(x)-259347)\,(f(x)\,x^4+14x^4+x^3+3x^2-f(x)+x+14)$$

Sequence: A040205
Score: 10.1585

Type of gen. func.: lgdogf

$$-\frac{x^6+8x^5+3x^4+112x^3+3x^2+8x+1}{(x-1)(x+1)(x^2+1)(14x^4+x^3+4x^2+x+14)}$$

Sequence: A040205
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{14x^4+x^3+4x^2+x+14}{(x-1)(x+1)(x^2+1)}$$

Sequence: A040205
Score: 8.17997
Type of gen. func.: ogf

$$-(1024 f(x) - 13175) (f(x) x^4 + 14 x^4 + x^3 + 4 x^2 - f(x) + x + 14)$$

Sequence: A040206
Score: 10.3308
Type of gen. func.: ogf

$$-\frac{(x^2+1)(14x^4+x^3-8x^2+x+14)}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A040206
Score: 6.40909
Type of gen. func.: lgdogf

$$-(x^{10}+12x^9+6x^8+24x^7+5x^6+168x^5+5x^4+24x^3+6x^2+12x+1) / ((x-1)(x+1)(x^2+x+1)(x^2-x+1)(14x^4+x^3-8x^2+x+14)(x^2+1))$$

Sequence: A040207
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{14 x^4 + x^3 + 8 x^2 + x + 14}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040207
Score: 8.50717
Type of gen. func.: ogf

$$(2400 f(x) - 19057) (f(x) x^4 + 14 x^4 + x^3 + 8 x^2 - f(x) + x + 14)$$

Sequence: A040207
Score: 9.91660
Type of gen. func.: lgdogf

$$-\frac{x^6 + 16 x^5 + 3 x^4 + 112 x^3 + 3 x^2 + 16 x + 1}{(x - 1) (x + 1) (x^2 + 1) (14 x^4 + x^3 + 8 x^2 + x + 14)}$$

Sequence: A040208
Score: 12.1271
Type of gen. func.: ogf

$$-\frac{(14 x^2 + 15 x + 14) (x^2 - x + 1)}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040208
Score: 8.16475
Type of gen. func.: ogf

$$(1025 f(x) + 12857) (f(x) x^4 + 14 x^4 + x^3 + 13 x^2 - f(x) + x + 14)$$

Sequence: A040208
Score: 9.28012
Type of gen. func.: lgdogf

$$-\frac{x^6 + 26 x^5 + 3 x^4 + 112 x^3 + 3 x^2 + 26 x + 1}{(x - 1) (x + 1) (x^2 + 1) (14 x^2 + 15 x + 14) (x^2 - x + 1)}$$

Sequence: A040209
Score: 12.3081
Type of gen. func.: lgdogf

$$-\frac{x^2 + 56 x + 1}{14 x^4 + x^3 - x - 14}$$

Sequence: A040209
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^2 - 14 x^2 + f(x) - x - 14$$

Sequence: A040209
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{14 x^2 + x + 14}{(x - 1) (x + 1)}$$

Sequence: A040209
Score: 20.7018
Type of gen. func.: lgdogf

$$-\frac{x^2 + 56 x + 1}{(x - 1) (x + 1) (14 x^2 + x + 14)}$$

Sequence: A040209
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 14, a(1) = 1, a(2) = 28\}$$

Sequence: A040210
Score: 10.7497
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1), a(0) = 15, a(1) = 30\}$$

Sequence: A040210
Score: 16.9251
Type of gen. func.: ogf

$$-f(x) x + f(x) - 15 x - 15$$

Sequence: A040210
Score: 20.3969
Type of gen. func.: ogf

$$-\frac{15 (x + 1)}{x - 1}$$

Sequence: A040210
Score: 21.0516
Type of gen. func.: revogf

$$-\frac{x}{30} - 1/2 + \frac{(x^2 + 90 x + 225)^{1/2}}{30}$$

Sequence: A040210
Score: 24.8588
Type of gen. func.: lgdogf

$$\frac{2}{-x^2 + 1}$$

Sequence: A040210
Score: 37.7338
Type of gen. func.: ogf_with_Euler_transform]

$$[2 - x]$$

Sequence: A040210
Score: 55.6363
Type of gen. func.: lgdogf

$$-\frac{2}{(x - 1)(x + 1)}$$

Sequence: A040211
Score: 12.4294
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4x + 1}{x^4 + x^3 - x - 1}$$

Sequence: A040211
Score: 15.2977
Type of gen. func.: ogf

$$-\frac{15 (x^2 + x + 1)}{(x - 1)(x + 1)}$$

Sequence: A040211
Score: 22.9091
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4x + 1}{(x - 1)(x + 1)(x^2 + x + 1)}$$

Sequence: A040211
Score: 31.6964
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + x + 1$$

Sequence: A040211
Score: 9.14346
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 15, a(1) = 15, a(2) = 30\}$$

Sequence: A040211
Score: 9.58412
Type of gen. func.: ogf

$$-(4 f(x) - 45) (f(x) x^2 + 15 x^2 - f(x) + 15 x + 15)$$

Sequence: A040212
Score: 12.2382
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 12 x + 2}{3 x^4 + 2 x^3 - 2 x - 3}$$

Sequence: A040212
Score: 14.205
Type of gen. func.: ogf

$$-f(x) x^2 - 15 x^2 + f(x) - 10 x - 15$$

Sequence: A040212
Score: 15.2977
Type of gen. func.: ogf

$$- \frac{5 (3 x^2 + 2 x + 3)}{}$$

$$(x - 1) (x + 1)$$

Sequence: A040212
Score: 19.4727
Type of gen. func.: lgdogf

$$-\frac{2 (x^{2} + 6 x + 1)}{(x - 1) (x + 1) (3 x^{2} + 2 x + 3)}$$

Sequence: A040212
Score: 9.14346
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 15, a(1) = 10, a(2) = 30\}$$

Sequence: A040213
Score: 11.2547
Type of gen. func.: ogf

$$-\frac{(x + 1) (15 x^{4} - 8 x^{3} + 9 x^{2} - 8 x + 15)}{(x - 1) (x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A040213
Score: 7.37797
Type of gen. func.: lgdogf

$$-\frac{7 x^{8} + 2 x^{7} + 3 x^{6} + 28 x^{5} + 150 x^{4} + 28 x^{3} + 3 x^{2} + 2 x + 7}{(x - 1) (x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (15 x^{4} - 8 x^{3} + 9 x^{2} - 8 x + 15)}$$

Sequence: A040214
Score: 12.6868
Type of gen. func.: lgdogf

$$-\frac{2 x^{2} + 20 x + 2}{{}^{4} \qquad {}^{3}}$$

$$5 x + 2 x - 2 x - 5$$

Sequence: A040214
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^2 - 15 x^2 + f(x) - 6 x - 15$$

Sequence: A040214
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{3 (5 x^2 + 2 x + 5)}{(x - 1) (x + 1)}$$

Sequence: A040214
Score: 19.6920
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + 10 x + 1)}{(x - 1) (x + 1) (5 x^2 + 2 x + 5)}$$

Sequence: A040214
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 15, a(1) = 6, a(2) = 30\}$$

Sequence: A040215
Score: 12.6868
Type of gen. func.: lgdogf

$$-\frac{x^2 + 12 x + 1}{3 x^4 + x^3 - x - 3}$$

Sequence: A040215
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^2 - 15 x^2 + f(x) - 5 x - 15$$

Sequence: A040215
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{5 (3 x^2 + x + 3)}{(x - 1) (x + 1)}$$

Sequence: A040215
Score: 21.8208
Type of gen. func.: lgdogf

$$-\frac{x^2 + 12 x + 1}{(x - 1) (x + 1) (3 x^2 + x + 3)}$$

Sequence: A040215
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 15, a(1) = 5, a(2) = 30\}$$

Sequence: A040216
Score: 10.3308
Type of gen. func.: ogf

$$-\frac{15 x^6 + 4 x^5 + 3 x^4 + 7 x^3 + 3 x^2 + 4 x + 15}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A040217
Score: 6.85686

Type of gen. func.: ogf

$$-(x+1)(15x^{10}-12x^{9}+13x^{8}-10x^{7}+11x^{6}-10x^{5}+11x^{4}-10x^{3}+13x^{2}-12x+15)\Big/\left((x-1)(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)\right)$$

Sequence: A040218
Score: 8.59288
Type of gen. func.: ogf

$$-\frac{15x^{8}+3x^{7}+2x^{6}+x^{5}+2x^{4}+x^{3}+2x^{2}+3x+15}{(x-1)(x+1)(x^{2}+1)(x^{4}+1)}$$

Sequence: A040219
Score: 12.6868
Type of gen. func.: lgdogf

$$-\frac{x^{2}+20x+1}{5x^{4}+x^{3}-x-5}$$

Sequence: A040219
Score: 14.9935
Type of gen. func.: ogf

$$-f(x)x^{2}-15x^{2}+f(x)-3x-15$$

Sequence: A040219
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{3(5x^{2}+x+5)}{(x-1)(x+1)}$$

Sequence: A040219
Score: 21.8208
Type of gen. func.: lgdogf

```
                                  2
                                 x  + 20 x + 1
                         - -----------------------------
                                                  2
                           (x - 1) (x + 1) (5 x  + x + 5)
```

Sequence: A040219
Score: 9.58885
Type of gen. func.: ogf

```
             {-a(n + 3) + a(n + 1), a(0) = 15, a(1) = 3, a(2) = 30}
```

Sequence: A040220
Score: 6.36640
Type of gen. func.: ogf

```
       12      11    10      9      8    7      6    5      4      3    2
- (15 x   + 2 x   + x   + 3 x  + 5 x  + x  + 6 x  + x  + 5 x  + 3 x  + x  + 2 x

             /                    2             2             2
     + 15)  /  ((x - 1) (x + 1) (x  + x + 1) (x  - x + 1) (x  + 1)
           /

      4    2
    (x  - x  + 1))
```

Sequence: A040221
Score: 7.15342
Type of gen. func.: ogf

```
             10      9    8    7      6       5      4    3    2
          15 x   + 2 x  + x  + x  + 7 x  + 10 x  + 7 x  + x  + x  + 2 x + 15
        - ------------------------------------------------------------------
                                   4    3    2              4    3    2
            (x - 1) (x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1)
```

Sequence: A040222
Score: 8.50717
Type of gen. func.: ogf

```
                     2               6       5       3
                   (x  + x + 1) (15 x  - 13 x  + 14 x  - 13 x + 15)
                 - ------------------------------------------------
                                                2        4
```

$$(x - 1) (x + 1) (x + 1) (x + 1)$$

Sequence: A040223
Score: 6.30482
Type of gen. func.: ogf

$$- (15 x^{12} + 2 x^{11} + 5 x^{10} + x^{9} + 2 x^{8} + 4 x^{7} + 15 x^{6} + 4 x^{5} + 2 x^{4} + x^{3} + 5 x^{2} + 2 x + 15) / ((x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1))$$

Sequence: A040224
Score: 12.3081
Type of gen. func.: lgdogf

$$- \frac{2 x^{2} + 60 x + 2}{15 x^{4} + 2 x^{3} - 2 x - 15}$$

Sequence: A040224
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^{2} - 15 x^{2} + f(x) - 2 x - 15$$

Sequence: A040224
Score: 16.1694
Type of gen. func.: ogf

$$- \frac{15 x^{2} + 2 x + 15}{(x - 1) (x + 1)}$$

Sequence: A040224
Score: 18.7761
Type of gen. func.: lgdogf

$$-\frac{2\,(x^{2}+30\,x+1)}{(x-1)\,(x+1)\,(15\,x^{2}+2\,x+15)}$$

Sequence: A040224
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+1),\ a(0)=15,\ a(1)=2,\ a(2)=30\}$$

Sequence: A040226
Score: 7.15342
Type of gen. func.: ogf

$$-\frac{15\,x^{10}+x^{9}+x^{8}+3\,x^{7}+x^{6}+14\,x^{5}+x^{4}+3\,x^{3}+x^{2}+x+15}{(x-1)\,(x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{4}-x^{3}+x^{2}-x+1)}$$

Sequence: A040227
Score: 7.15342
Type of gen. func.: ogf

$$-\frac{15\,x^{10}+x^{9}+x^{8}+2\,x^{7}+3\,x^{6}+15\,x^{5}+3\,x^{4}+2\,x^{3}+x^{2}+x+15}{(x-1)\,(x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{4}-x^{3}+x^{2}-x+1)}$$

Sequence: A040229
Score: 7.38431
Type of gen. func.: ogf

$$-\frac{15\,x^{10}+x^{9}+x^{8}+x^{7}+7\,x^{6}+6\,x^{5}+7\,x^{4}+x^{3}+x^{2}+x+15}{(x-1)\,(x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{4}-x^{3}+x^{2}-x+1)}$$

Sequence: A040230
Score: 7.15342
Type of gen. func.: ogf

$$-\frac{15x^{10}+x^{9}+2x^{8}+5x^{7}+x^{6}+14x^{5}+x^{4}+5x^{3}+2x^{2}+x+15}{(x-1)(x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)}$$

Sequence: A040231
Score: 6.36640
Type of gen. func.: ogf

$$-(15x^{12}+x^{11}+2x^{10}+x^{9}+x^{8}+9x^{7}+x^{6}+9x^{5}+x^{4}+x^{3}+2x^{2}+x+15)\Big/\left((x-1)(x+1)(x^{2}+x+1)(x^{2}-x+1)(x^{2}+1)(x^{4}-x^{2}+1)\right)$$

Sequence: A040232
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{(3x^{2}-4x+3)(5x^{2}+7x+5)}{(x-1)(x+1)(x^{2}+1)}$$

Sequence: A040232
Score: 8.34036
Type of gen. func.: ogf

$$(12544\,f(x)-184875)\,(f(x)\,x^{4}+15x^{4}+x^{3}+2x^{2}-f(x)+x+15)$$

Sequence: A040232
Score: 9.68598
Type of gen. func.: lgdogf

$$-\frac{x^{6}+4x^{5}+3x^{4}+120x^{3}+3x^{2}+4x+1}{(x-1)(x+1)(x^{2}+1)(3x^{2}-4x+3)(5x^{2}+7x+5)}$$

Sequence: A040233
Score: 4.94590
Type of gen. func.: ogf

$$-\left(15x^{16}+x^{15}+3x^{14}+x^{13}+x^{12}+5x^{11}+x^{10}+3x^{9}+10x^{8}+3x^{7}+x^{6}+5x^{5}+x^{4}+x^{3}+3x^{2}+x+15\right)\Big/\left((x-1)(x+1)(x^{2}+1)(x^{4}+1)(x^{8}+1)\right)$$

Sequence: A040234
Score: 9.32443
Type of gen. func.: ogf

$$-\frac{(x+1)(15x^{6}-14x^{5}+18x^{4}-15x^{3}+18x^{2}-14x+15)}{(x-1)(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)}$$

Sequence: A040236
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{15x^{4}+x^{3}+6x^{2}+x+15}{(x-1)(x+1)(x^{2}+1)}$$

Sequence: A040236
Score: 8.34036
Type of gen. func.: ogf

$$(10368f(x)-128231)(f(x)x^{4}+15x^{4}+x^{3}+6x^{2}-f(x)+x+15)$$

Sequence: A040236
Score: 9.91660
Type of gen. func.: lgdogf

$$-\frac{x^{6}+12x^{5}+3x^{4}+120x^{3}+3x^{2}+12x+1}{(x-1)(x+1)(x^{2}+1)(15x^{4}+x^{3}+6x^{2}+x+15)}$$

Sequence: A040238
Score: 12.1271
Type of gen. func.: ogf

$$-\frac{(15 x^2 + 16 x + 15) (x^2 - x + 1)}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040238
Score: 8.16475
Type of gen. func.: ogf

$$(5632 f(x) + 78729) (f(x) x^4 + 15 x^4 + x^3 + 14 x^2 - f(x) + x + 15)$$

Sequence: A040238
Score: 9.28012
Type of gen. func.: lgdogf

$$-\frac{x^6 + 28 x^5 + 3 x^4 + 120 x^3 + 3 x^2 + 28 x + 1}{(x - 1) (x + 1) (x^2 + 1) (15 x^2 + 16 x + 15) (x^2 - x + 1)}$$

Sequence: A040239
Score: 12.3081
Type of gen. func.: lgdogf

$$-\frac{x^2 + 60 x + 1}{15 x^4 + x^3 - x - 15}$$

Sequence: A040239
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^2 - 15 x^2 + f(x) - x - 15$$

Sequence: A040239
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{15 x^2 + x + 15}{(x - 1) (x + 1)}$$

Sequence: A040239
Score: 20.7018
Type of gen. func.: lgdogf

$$-\frac{x^2 + 60 x + 1}{(x - 1) (x + 1) (15 x^2 + x + 15)}$$

Sequence: A040239
Score: 9.58885
Type of gen. func.: ogf

{-a(n + 3) + a(n + 1), a(0) = 15, a(1) = 1, a(2) = 30}

Sequence: A040240
Score: 10.7497
Type of gen. func.: ogf

{a(n + 2) - a(n + 1), a(0) = 16, a(1) = 32}

Sequence: A040240
Score: 16.9251
Type of gen. func.: ogf

-f(x) x + f(x) - 16 x - 16

Sequence: A040240
Score: 20.3969
Type of gen. func.: ogf

$$-\frac{16 (x + 1)}{x - 1}$$

Sequence: A040240
Score: 21.0516
Type of gen. func.: revogf

$$-\frac{x}{32}-1/2+\frac{(x^2+96\,x+256)^{1/2}}{32}$$

Sequence: A040240
Score: 24.8588
Type of gen. func.: lgdogf

$$\frac{2}{-x^2+1}$$

Sequence: A040240
Score: 37.7338
Type of gen. func.: ogf_with_Euler_transform]

[2 - x]

Sequence: A040240
Score: 55.6363
Type of gen. func.: lgdogf

$$-\frac{2}{(x-1)\,(x+1)}$$

Sequence: A040241
Score: 12.4294
Type of gen. func.: lgdogf

$$-\frac{x^2+4\,x+1}{x^4+x^3-x-1}$$

Sequence: A040241
Score: 15.2977
Type of gen. func.: ogf

$$-\frac{16\,(x^{2}+x+1)}{(x-1)\,(x+1)}$$

Sequence: A040241
Score: 22.9091
Type of gen. func.: lgdogf

$$-\frac{x^{2}+4\,x+1}{(x-1)\,(x+1)\,(x^{2}+x+1)}$$

Sequence: A040241
Score: 31.6964
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{2}+x+1$$

Sequence: A040241
Score: 9.14346
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+1),\ a(0)=16,\ a(1)=16,\ a(2)=32\}$$

Sequence: A040241
Score: 9.58412
Type of gen. func.: ogf

$$-(5\,f(x)-72)\,(f(x)\,x^{2}+16\,x^{2}-f(x)+16\,x+16)$$

Sequence: A040242
Score: 7.01635
Type of gen. func.: ogf

$$16\,x^{10}+10\,x^{9}+x^{8}+2\,x^{7}+3\,x^{6}+4\,x^{5}+3\,x^{4}+2\,x^{3}+x^{2}+10\,x+16$$

$$- \frac{}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A040243
Score: 12.8850
Type of gen. func.: lgdogf

$$- \frac{x^2 + 8 x + 1}{2 x^4 + x^3 - x - 2}$$

Sequence: A040243
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^2 - 16 x^2 + f(x) - 8 x - 16$$

Sequence: A040243
Score: 16.1694
Type of gen. func.: ogf

$$- \frac{8 (2 x^2 + x + 2)}{(x - 1) (x + 1)}$$

Sequence: A040243
Score: 22.4270
Type of gen. func.: lgdogf

$$- \frac{x^2 + 8 x + 1}{(x - 1) (x + 1) (2 x^2 + x + 2)}$$

Sequence: A040243
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 16, a(1) = 8, a(2) = 32\}$$

Sequence: A040244
Score: 4.97347
Type of gen. func.: ogf

$$-(16 x^{16} + 6 x^{15} + 2 x^{14} + 3 x^{13} + 7 x^{12} + x^{11} + 3 x^{10} + x^{9} + 2 x^{8} + x^{7} + 3 x^{6} + x^{5} + 7 x^{4} + 3 x^{3} + 2 x^{2} + 6 x + 16) / ((x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1) (x^{8} + 1))$$

Sequence: A040246
Score: 6.30482
Type of gen. func.: ogf

$$-(16 x^{12} + 4 x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + 15 x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + 4 x + 16) / ((x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1))$$

Sequence: A040247
Score: 12.6868
Type of gen. func.: lgdogf

$$-\frac{x^{2} + 16 x + 1}{4 x^{4} + x^{3} - x - 4}$$

Sequence: A040247
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^{2} - 16 x^{2} + f(x) - 4 x - 16$$

Sequence: A040247
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{4\,(4\,x^2+x+4)}{(x-1)\,(x+1)}$$

Sequence: A040247
Score: 21.8208
Type of gen. func.: lgdogf

$$-\frac{x^2+16\,x+1}{(x-1)\,(x+1)\,(4\,x^2+x+4)}$$

Sequence: A040247
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+1),\ a(0)=16,\ a(1)=4,\ a(2)=32\}$$

Sequence: A040248
Score: 8.01243
Type of gen. func.: ogf

$$-(x+1)\,(16\,x^8-13\,x^7+14\,x^6-13\,x^5+15\,x^4-13\,x^3+14\,x^2-13\,x+16)\Big/\big((x-1)\,(x^2+x+1)\,(x^6+x^3+1)\big)$$

Sequence: A040249
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{16\,x^4+3\,x^3+4\,x^2+3\,x+16}{(x-1)\,(x+1)\,(x^2+1)}$$

Sequence: A040249
Score: 8.86163
Type of gen. func.: ogf

$$(32 f(x) - 475) (f(x) x^4 + 16 x^4 + 3 x^3 + 4 x^2 - f(x) + 3 x + 16)$$

Sequence: A040249
Score: 9.46584
Type of gen. func.: lgdogf

$$- \frac{3 x^6 + 8 x^5 + 9 x^4 + 128 x^3 + 9 x^2 + 8 x + 3}{(x - 1) (x + 1) (x^2 + 1) (16 x^4 + 3 x^3 + 4 x^2 + 3 x + 16)}$$

Sequence: A040250
Score: 10.0445
Type of gen. func.: ogf

$$- \frac{16 x^6 + 2 x^5 + x^4 + 15 x^3 + x^2 + 2 x + 16}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A040252
Score: 13.5436
Type of gen. func.: lgdogf

$$- \frac{x^4 + 2 x^3 + 48 x^2 + 2 x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (8 x^2 - 7 x + 8)}$$

Sequence: A040252
Score: 14.3006
Type of gen. func.: ogf

$$- \frac{2 (x + 1) (8 x^2 - 7 x + 8)}{(x - 1) (x^2 + x + 1)}$$

Sequence: A040252
Score: 8.60953
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 1), a(0) = 16, a(1) = 2, a(2) = 2, a(3) = 32\}$$

Sequence: A040252
Score: 9.17102
Type of gen. func.: ogf

$$-(11 f(x) - 174) (f(x) x^3 + 16 x^3 + 2 x^2 - f(x) + 2 x + 16)$$

Sequence: A040253
Score: 10.3308
Type of gen. func.: ogf

$$-\frac{16 x^6 + 2 x^5 + 3 x^4 + 6 x^3 + 3 x^2 + 2 x + 16}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A040255
Score: 12.6868
Type of gen. func.: lgdogf

$$-\frac{x^2 + 32 x + 1}{8 x^4 + x^3 - x - 8}$$

Sequence: A040255
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^2 - 16 x^2 + f(x) - 2 x - 16$$

Sequence: A040255
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{2 (8 x^2 + x + 8)}{(x - 1) (x + 1)}$$

Sequence: A040255
Score: 21.8208
Type of gen. func.: lgdogf

$$-\frac{x^2 + 32 x + 1}{(x - 1) (x + 1) (8 x^2 + x + 8)}$$

Sequence: A040255
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 16, a(1) = 2, a(2) = 32\}$$

Sequence: A040256
Score: 10.0445
Type of gen. func.: ogf

$$-\frac{16 x^6 + x^5 + x^4 + 10 x^3 + x^2 + x + 16}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A040256
Score: 6.35505
Type of gen. func.: lgdogf

$$- (x^{10} + 2 x^9 + 30 x^8 + 4 x^7 + 5 x^6 + 192 x^5 + 5 x^4 + 4 x^3 + 30 x^2 + 2 x + 1) \Big/ ((x - 1) (x + 1) (16 x^6 + x^5 + x^4 + 10 x^3 + x^2 + x + 16) (x^2 + x + 1) (x^2 - x + 1))$$

Sequence: A040257
Score: 9.32443
Type of gen. func.: ogf

$$(x + 1) (16 x^6 - 15 x^5 + 16 x^4 - 12 x^3 + 16 x^2 - 15 x + 16)$$

```
         - -----------------------------------------------------------
                              6    5    4    3    2
                    (x - 1) (x  + x  + x  + x  + x  + x + 1)
```

Sequence: A040258
Score: 10.3308
Type of gen. func.: ogf

```
                       2           4    3       2
                     (x  + 1) (16 x  + x  - 15 x  + x + 16)
                  - ------------------------------------------
                                      2            2
                    (x - 1) (x + 1) (x  + x + 1) (x  - x + 1)
```

Sequence: A040258
Score: 6.55931
Type of gen. func.: lgdogf

```
    10      9      8      7      6        5      4      3      2
- (x   + 2 x  + 6 x  + 4 x  + 5 x  + 192 x  + 5 x  + 4 x  + 6 x  + 2 x + 1)

       /                    2        2            2
      /  ((x - 1) (x + 1) (x  + 1) (x  + x + 1) (x  - x + 1)
     /

         4    3       2
    (16 x  + x  - 15 x  + x + 16))
```

Sequence: A040259
Score: 6.36640
Type of gen. func.: ogf

```
              4           8    7    6    5       4    3    2
            (x  + 1) (16 x  + x  + x  + x  - 15 x  + x  + x  + x + 16)
       - -----------------------------------------------------------------
                          2            2            2        4    2
         (x - 1) (x + 1) (x  + x + 1) (x  - x + 1) (x  + 1) (x  - x  + 1)
```

Sequence: A040261
Score: 10.0445
Type of gen. func.: ogf

```
                        6    5      4       3      2
                    16 x  + x  + 2 x  + 16 x  + 2 x  + x + 16
                  - ------------------------------------------
                                      2            2
                    (x - 1) (x + 1) (x  + x + 1) (x  - x + 1)
```

Sequence: A040261
Score: 6.16535
Type of gen. func.: lgdogf

$$-(x^{10}+4x^9+48x^8+8x^7+5x^6+192x^5+5x^4+8x^3+48x^2+4x+1) / ((x-1)(x+1)(x^2+x+1)(x^2-x+1) (16x^6+x^5+2x^4+16x^3+2x^2+x+16))$$

Sequence: A040262
Score: 8.59288
Type of gen. func.: ogf

$$-\frac{16x^8+x^7+2x^6+2x^5+x^4+2x^3+2x^2+x+16}{(x-1)(x+1)(x^2+1)(x^4+1)}$$

Sequence: A040263
Score: 10.3308
Type of gen. func.: ogf

$$-\frac{16x^6+x^5+2x^4+x^3+2x^2+x+16}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A040263
Score: 6.50846
Type of gen. func.: lgdogf

$$-(x^{10}+4x^9+3x^8+8x^7+5x^6+192x^5+5x^4+8x^3+3x^2+4x+1) / ((x-1)(x+1)(x^2+x+1)(x^2-x+1) (16x^6+x^5+2x^4+x^3+2x^2+x+16))$$

Sequence: A040265
Score: 8.59288

Type of gen. func.: ogf

$$-\frac{16 x^{8} + x^{7} + 3 x^{6} + x^{5} + 4 x^{4} + x^{3} + 3 x^{2} + x + 16}{(x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1)}$$

Sequence: A040268
Score: 10.3308
Type of gen. func.: ogf

$$-\frac{(x^{2} + 1) (16 x^{4} + x^{3} - 9 x^{2} + x + 16)}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A040268
Score: 6.40909
Type of gen. func.: lgdogf

$$- (x^{10} + 14 x^{9} + 6 x^{8} + 28 x^{7} + 5 x^{6} + 192 x^{5} + 5 x^{4} + 28 x^{3} + 6 x^{2} + 14 x + 1) / ((x - 1) (x + 1) (x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (16 x^{4} + x^{3} - 9 x^{2} + x + 16))$$

Sequence: A040269
Score: 7.01635
Type of gen. func.: ogf

$$-\frac{16 x^{10} + x^{9} + 10 x^{8} + 3 x^{7} + 3 x^{6} + 2 x^{5} + 3 x^{4} + 3 x^{3} + 10 x^{2} + x + 16}{(x - 1) (x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A040270
Score: 12.1271
Type of gen. func.: ogf

$$-\frac{(x^{2} - x + 1) (16 x^{2} + 17 x + 16)}{{}^{2}}$$

$$(x - 1)\ (x + 1)\ (x\ \ + 1)$$

Sequence: A040270
Score: 8.00622
Type of gen. func.: ogf

$$(13583\ f(x) + 209475)\ (f(x)\ x^4 + 16\ x^4 + x^3 + 15\ x^2 - f(x) + x + 16)$$

Sequence: A040270
Score: 9.28012
Type of gen. func.: lgdogf

$$-\frac{x^6 + 30\ x^5 + 3\ x^4 + 128\ x^3 + 3\ x^2 + 30\ x + 1}{(x - 1)\ (x + 1)\ (16\ x^2 + 17\ x + 16)\ (x^2 - x + 1)\ (x^2 + 1)}$$

Sequence: A040271
Score: 12.3081
Type of gen. func.: lgdogf

$$-\frac{x^2 + 64\ x + 1}{16\ x^4 + x^3 - x - 16}$$

Sequence: A040271
Score: 14.9935
Type of gen. func.: ogf

$$-f(x)\ x^2 - 16\ x^2 + f(x) - x - 16$$

Sequence: A040271
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{16\ x^2 + x + 16}{(x - 1)\ (x + 1)}$$

Sequence: A040271
Score: 20.7018
Type of gen. func.: lgdogf

$$-\frac{x^2 + 64 x + 1}{(x - 1) (x + 1) (16 x^2 + x + 16)}$$

Sequence: A040271
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 16, a(1) = 1, a(2) = 32\}$$

Sequence: A040272
Score: 10.7497
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1), a(0) = 17, a(1) = 34\}$$

Sequence: A040272
Score: 16.9251
Type of gen. func.: ogf

$$-f(x) x + f(x) - 17 x - 17$$

Sequence: A040272
Score: 20.3969
Type of gen. func.: ogf

$$-\frac{17 (x + 1)}{x - 1}$$

Sequence: A040272
Score: 20.4976
Type of gen. func.: revogf

$$x \qquad (x^2 + 102 x + 289)^{1/2}$$

```
       - 1/2 - ---- + ---------------------
                34             34
```

Sequence: A040272
Score: 24.8588
Type of gen. func.: lgdogf

$$\frac{2}{-x^2 + 1}$$

Sequence: A040272
Score: 37.7338
Type of gen. func.: ogf_with_Euler_transform]

$$[2 - x]$$

Sequence: A040272
Score: 55.6363
Type of gen. func.: lgdogf

$$-\frac{2}{(x - 1)\ (x + 1)}$$

Sequence: A040273
Score: 12.4294
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4\ x + 1}{x^4 + x^3 - x - 1}$$

Sequence: A040273
Score: 15.2977
Type of gen. func.: ogf

$$-\frac{17\ (x^2 + x + 1)}{(x - 1)\ (x + 1)}$$

Sequence: A040273
Score: 22.9091
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4 x + 1}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A040273
Score: 31.6964
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + x + 1$$

Sequence: A040273
Score: 9.14346
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 17, a(1) = 17, a(2) = 34\}$$

Sequence: A040273
Score: 9.35861
Type of gen. func.: ogf

$$-(10 f(x) - 153) (f(x) x^2 + 17 x^2 - f(x) + 17 x + 17)$$

Sequence: A040274
Score: 7.01635
Type of gen. func.: ogf

$$-\frac{17 x^{10} + 11 x^9 + 2 x^8 + x^7 + 3 x^6 + 8 x^5 + 3 x^4 + x^3 + 2 x^2 + 11 x + 17}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A040275
Score: 11.2547
Type of gen. func.: ogf

$$-\frac{(x+1)(17x^4-9x^3+10x^2-9x+17)}{(x-1)(x^4+x^3+x^2+x+1)}$$

Sequence: A040275
Score: 7.31268
Type of gen. func.: lgdogf

$$-\frac{8x^8+2x^7+3x^6+32x^5+170x^4+32x^3+3x^2+2x+8}{(x-1)(x+1)(x^4+x^3+x^2+x+1)(17x^4-9x^3+10x^2-9x+17)}$$

Sequence: A040276
Score: 10.3308
Type of gen. func.: ogf

$$-\frac{17x^6+6x^5+x^4+4x^3+x^2+6x+17}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A040276
Score: 6.31271
Type of gen. func.: lgdogf

$$-2(3x^{10}+x^9+6x^8+2x^7+15x^6+102x^5+15x^4+2x^3+6x^2+x+3) \Big/ ((x-1)(x+1)(x^2+x+1)(x^2-x+1)(17x^6+6x^5+x^4+4x^3+x^2+6x+17))$$

Sequence: A040277
Score: 6.36640
Type of gen. func.: ogf

$$-(17x^{12}+5x^{11}+x^{10}+2x^9+3x^8+2x^7+6x^6+2x^5+3x^4+2x^3+x^2+5x+17) \Big/ ((x-1)(x+1)(x^2+x+1)(x^2-x+1)(x^2+1)$$

$$/ \; (x^4 - x^2 + 1))$$

Sequence: A040278
Score: 10.3308
Type of gen. func.: ogf

$$-\frac{17x^6 + 4x^5 + x^4 + 7x^3 + x^2 + 4x + 17}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A040279
Score: 7.38431
Type of gen. func.: ogf

$$-\frac{17x^{10} + 4x^9 + 3x^8 + x^7 + x^6 + 2x^5 + x^4 + x^3 + 3x^2 + 4x + 17}{(x-1)(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)}$$

Sequence: A040280
Score: 6.85686
Type of gen. func.: ogf

$$-(x+1)(17x^{10} - 14x^9 + 15x^8 - 11x^7 + 16x^6 - 15x^5 + 16x^4 - 11x^3 + 15x^2 - 14x + 17) \; / \; ((x-1)(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1))$$

Sequence: A040281
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{17x^4 + 3x^3 + 2x^2 + 3x + 17}{(x-1)(x+1)(x^2+1)}$$

Sequence: A040281
Score: 8.50717
Type of gen. func.: ogf

$$(2048 f(x) - 33775) (f(x) x^4 + 17 x^4 + 3 x^3 + 2 x^2 - f(x) + 3 x + 17)$$

Sequence: A040281
Score: 9.57465
Type of gen. func.: lgdogf

$$-\frac{(x^2 + 4 x + 1) (3 x^4 - 8 x^3 + 38 x^2 - 8 x + 3)}{(x - 1) (x + 1) (x^2 + 1) (17 x^4 + 3 x^3 + 2 x^2 + 3 x + 17)}$$

Sequence: A040282
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{17 x^4 + 3 x^3 + 8 x^2 + 3 x + 17}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040282
Score: 8.34036
Type of gen. func.: ogf

$$-(169 f(x) - 2124) (f(x) x^4 + 17 x^4 + 3 x^3 + 8 x^2 - f(x) + 3 x + 17)$$

Sequence: A040282
Score: 9.25549
Type of gen. func.: lgdogf

$$-\frac{3 x^6 + 16 x^5 + 9 x^4 + 136 x^3 + 9 x^2 + 16 x + 3}{(x - 1) (x + 1) (x^2 + 1) (17 x^4 + 3 x^3 + 8 x^2 + 3 x + 17)}$$

Sequence: A040284
Score: 4.94590
Type of gen. func.: ogf

$$-(17 x^{16} + 2 x^{15} + x^{14} + x^{13} + x^{12} + 4 x^{11} + 2 x^{10} + x^9 + 16 x^8 + x^7 + 2 x^6 + 4 x^5 + x^4 + x^3 + x^2 + 2 x + 17) \Big/ ((x - 1) (x + 1) (x^2 + 1) (x^4 + 1) (x^8 + 1))$$

Sequence: A040285
Score: 10.3308
Type of gen. func.: ogf

$$-\frac{17 x^6 + 2 x^5 + 2 x^4 + 5 x^3 + 2 x^2 + 2 x + 17}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A040286
Score: 6.36640
Type of gen. func.: ogf

$$-(17 x^{12} + 2 x^{11} + 3 x^{10} + 2 x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + 2 x^3 + 3 x^2 + 2 x + 17) \Big/ ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x^4 - x^2 + 1))$$

Sequence: A040287
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{17 x^4 + 2 x^3 + 6 x^2 + 2 x + 17}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040287
Score: 8.34036
Type of gen. func.: ogf

$$-(490 f(x) - 7227) (f(x) x^4 + 17 x^4 + 2 x^3 + 6 x^2 - f(x) + 2 x + 17)$$

Sequence: A040287
Score: 9.57465
Type of gen. func.: lgdogf

$$-\frac{2 (x^6 + 6 x^5 + 3 x^4 + 68 x^3 + 3 x^2 + 6 x + 1)}{(x - 1) (x + 1) (x^2 + 1) (17 x^4 + 2 x^3 + 6 x^2 + 2 x + 17)}$$

Sequence: A040288
Score: 12.3081
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 68 x + 2}{17 x^4 + 2 x^3 - 2 x - 17}$$

Sequence: A040288
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^2 - 17 x^2 + f(x) - 2 x - 17$$

Sequence: A040288
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{17 x^2 + 2 x + 17}{(x - 1) (x + 1)}$$

Sequence: A040288
Score: 18.7761
Type of gen. func.: lgdogf

^{2}

$$-\frac{2\,(x + 34\,x + 1)}{(x - 1)\,(x + 1)\,(17\,x^{2} + 2\,x + 17)}$$

Sequence: A040288
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1),\ a(0) = 17,\ a(1) = 2,\ a(2) = 34\}$$

Sequence: A040290
Score: 10.3308
Type of gen. func.: ogf

$$-\frac{17\,x^{6} + x^{5} + x^{4} + 4\,x^{3} + x^{2} + x + 17}{(x - 1)\,(x + 1)\,(x^{2} + x + 1)\,(x^{2} - x + 1)}$$

Sequence: A040290
Score: 6.50846
Type of gen. func.: lgdogf

$$-(x^{10} + 2\,x^{9} + 12\,x^{8} + 4\,x^{7} + 5\,x^{6} + 204\,x^{5} + 5\,x^{4} + 4\,x^{3} + 12\,x^{2} + 2\,x + 1) \Big/ ((x - 1)\,(x + 1)\,(x^{2} + x + 1)\,(x^{2} - x + 1)\,(17\,x^{6} + x^{5} + x^{4} + 4\,x^{3} + x^{2} + x + 17))$$

Sequence: A040292
Score: 4.97347
Type of gen. func.: ogf

$$-(17\,x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + 5\,x^{11} + 3\,x^{10} + x^{9} + 2\,x^{8} + x^{7} + 3\,x^{6} + 5\,x^{5} + x^{4} + x^{3} + x^{2} + x + 17) \Big/ ((x - 1)\,(x + 1)\,(x^{2} + 1)\,(x^{4} + 1)\,(x^{8} + 1))$$

Sequence: A040293
Score: 4.94590
Type of gen. func.: ogf

$$-(17 x^{16} + x^{15} + x^{14} + x^{13} + 2 x^{12} + x^{11} + 6 x^{10} + 3 x^{9} + 17 x^{8} + 3 x^{7} + 6 x^{6} + x^{5} + 2 x^{4} + x^{3} + x^{2} + x + 17) / ((x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1) (x^{8} + 1))$$

Sequence: A040294
Score: 10.4124
Type of gen. func.: lgdogf

$$-\frac{x^{6} + 2 x^{5} + 3 x^{4} + 136 x^{3} + 3 x^{2} + 2 x + 1}{(x - 1) (x + 1) (x^{2} + 1) (17 x^{4} + x^{3} + x^{2} + x + 17)}$$

Sequence: A040294
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{17 x^{4} + x^{3} + x^{2} + x + 17}{(x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A040294
Score: 8.86163
Type of gen. func.: ogf

$$(35 f(x) - 592) (f(x) x^{4} + 17 x^{4} + x^{3} + x^{2} - f(x) + x + 17)$$

Sequence: A040296
Score: 9.32443
Type of gen. func.: ogf

$$-\frac{(x + 1) (17 x^{6} - 16 x^{5} + 18 x^{4} - 17 x^{3} + 18 x^{2} - 16 x + 17)}{}$$

$$(x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)$$

Sequence: A040297
Score: 10.1585
Type of gen. func.: lgdogf

$$- \frac{x^6 + 4 x^5 + 3 x^4 + 136 x^3 + 3 x^2 + 4 x + 1}{(x - 1) (x + 1) (x^2 + 1) (17 x^4 + x^3 + 2 x^2 + x + 17)}$$

Sequence: A040297
Score: 12.6973
Type of gen. func.: ogf

$$- \frac{17 x^4 + x^3 + 2 x^2 + x + 17}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040297
Score: 8.42294
Type of gen. func.: ogf

$$(6144 f(x) - 103037) (f(x) x^4 + 17 x^4 + x^3 + 2 x^2 - f(x) + x + 17)$$

Sequence: A040298
Score: 8.59288
Type of gen. func.: ogf

$$- \frac{17 x^8 + x^7 + 3 x^6 + 2 x^5 + 8 x^4 + 2 x^3 + 3 x^2 + x + 17}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A040299
Score: 6.85686
Type of gen. func.: ogf

$$- (x + 1) (17 x^{10} - 16 x^9 + 20 x^8 - 12 x^7 + 13 x^6 - 11 x^5 + 13 x^4 - 12 x^3$$

$$+ 20 x^2 - 16 x + 17) \Big/ ((x - 1)$$

$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1))$$

Sequence: A040300
Score: 10.1585
Type of gen. func.: lgdogf

$$- \frac{x^6 + 8 x^5 + 3 x^4 + 136 x^3 + 3 x^2 + 8 x + 1}{(x - 1) (x + 1) (x^2 + 1) (17 x^4 + x^3 + 4 x^2 + x + 17)}$$

Sequence: A040300
Score: 12.6973
Type of gen. func.: ogf

$$- \frac{17 x^4 + x^3 + 4 x^2 + x + 17}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040300
Score: 8.50717
Type of gen. func.: ogf

$$-(19 f(x) - 306) (f(x) x^4 + 17 x^4 + x^3 + 4 x^2 - f(x) + x + 17)$$

Sequence: A040302
Score: 12.6973
Type of gen. func.: ogf

$$- \frac{17 x^4 + x^3 + 7 x^2 + x + 17}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040302
Score: 8.77028

Type of gen. func.: ogf

$$(81 f(x) - 1118) (f(x) x^4 + 17 x^4 + x^3 + 7 x^2 - f(x) + x + 17)$$

Sequence: A040302
Score: 9.91660
Type of gen. func.: lgdogf

$$- \frac{x^6 + 14 x^5 + 3 x^4 + 136 x^3 + 3 x^2 + 14 x + 1}{(x - 1) (x + 1) (x^2 + 1) (17 x^4 + x^3 + 7 x^2 + x + 17)}$$

Sequence: A040303
Score: 12.1271
Type of gen. func.: ogf

$$- \frac{17 x^4 + x^3 + 10 x^2 + x + 17}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040303
Score: 8.16475
Type of gen. func.: ogf

$$(1408 f(x) - 12719) (f(x) x^4 + 17 x^4 + x^3 + 10 x^2 - f(x) + x + 17)$$

Sequence: A040303
Score: 9.49848
Type of gen. func.: lgdogf

$$- \frac{x^6 + 20 x^5 + 3 x^4 + 136 x^3 + 3 x^2 + 20 x + 1}{(x - 1) (x + 1) (x^2 + 1) (17 x^4 + x^3 + 10 x^2 + x + 17)}$$

Sequence: A040304
Score: 12.1271
Type of gen. func.: ogf

$$-\frac{(17 x^2 + 18 x + 17) (x^2 - x + 1)}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040304
Score: 8.3297
Type of gen. func.: ogf

$$(225 f(x) + 3796) (f(x) x^4 + 17 x^4 + x^3 + 16 x^2 - f(x) + x + 17)$$

Sequence: A040304
Score: 9.28012
Type of gen. func.: lgdogf

$$-\frac{x^6 + 32 x^5 + 3 x^4 + 136 x^3 + 3 x^2 + 32 x + 1}{(x - 1) (x + 1) (x^2 + 1) (17 x^2 + 18 x + 17) (x^2 - x + 1)}$$

Sequence: A040305
Score: 12.3081
Type of gen. func.: lgdogf

$$-\frac{x^2 + 68 x + 1}{17 x^4 + x^3 - x - 17}$$

Sequence: A040305
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^2 - 17 x^2 + f(x) - x - 17$$

Sequence: A040305
Score: 16.1694
Type of gen. func.: ogf

2

```
            17 x  + x + 17
          - ---------------
            (x - 1) (x + 1)
```

Sequence: A040305
Score: 20.7018
Type of gen. func.: lgdogf

```
                      2
                     x  + 68 x + 1
          - ---------------------------------
                                       2
             (x - 1) (x + 1) (17 x  + x + 17)
```

Sequence: A040305
Score: 9.58885
Type of gen. func.: ogf

```
{-a(n + 3) + a(n + 1), a(0) = 17, a(1) = 1, a(2) = 34}
```

Sequence: A040306
Score: 10.7497
Type of gen. func.: ogf

```
{a(n + 2) - a(n + 1), a(0) = 18, a(1) = 36}
```

Sequence: A040306
Score: 16.9251
Type of gen. func.: ogf

```
-f(x) x + f(x) - 18 x - 18
```

Sequence: A040306
Score: 20.3969
Type of gen. func.: ogf

```
   18 (x + 1)
 - ----------
     x - 1
```

Sequence: A040306
Score: 20.4976

Type of gen. func.: revogf

$$-\frac{x}{36} - 1/2 + \frac{(x^2 + 108\,x + 324)^{1/2}}{36}$$

Sequence: A040306
Score: 24.8588
Type of gen. func.: lgdogf

$$\frac{2}{-x^2 + 1}$$

Sequence: A040306
Score: 37.7338
Type of gen. func.: ogf_with_Euler_transform]

$$[2 - x]$$

Sequence: A040306
Score: 55.6363
Type of gen. func.: lgdogf

$$-\frac{2}{(x - 1)\,(x + 1)}$$

Sequence: A040307
Score: 12.4294
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4\,x + 1}{x^4 + x^3 - x - 1}$$

Sequence: A040307
Score: 15.2977
Type of gen. func.: ogf

2

$$-\frac{18 (x + x + 1)}{(x - 1) (x + 1)}$$

Sequence: A040307
Score: 22.9091
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4 x + 1}{(x^2 + x + 1) (x - 1) (x + 1)}$$

Sequence: A040307
Score: 31.6964
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + x + 1$$

Sequence: A040307
Score: 9.14346
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 18, a(1) = 18, a(2) = 36\}$$

Sequence: A040307
Score: 9.58412
Type of gen. func.: ogf

$$-(5 f(x) - 81) (f(x) x^2 + 18 x^2 - f(x) + 18 x + 18)$$

Sequence: A040308
Score: 12.2382
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 12 x + 2}{3 x^4 + 2 x^3 - 2 x - 3}$$

Sequence: A040308
Score: 14.205
Type of gen. func.: ogf

$$-f(x) x^2 - 18 x^2 + f(x) - 12 x - 18$$

Sequence: A040308
Score: 15.2977
Type of gen. func.: ogf

$$-\frac{6 (3 x^2 + 2 x + 3)}{(x - 1) (x + 1)}$$

Sequence: A040308
Score: 19.4727
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + 6 x + 1)}{(x - 1) (x + 1) (3 x^2 + 2 x + 3)}$$

Sequence: A040308
Score: 9.14346
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 18, a(1) = 12, a(2) = 36\}$$

Sequence: A040309
Score: 12.8850
Type of gen. func.: lgdogf

$$-\frac{x^2 + 8 x + 1}{2 x^4 + x^3 - x - 2}$$

Sequence: A040309
Score: 14.9935

Type of gen. func.: ogf

$$-f(x)\,x^2 - 18\,x^2 + f(x) - 9\,x - 18$$

Sequence: A040309
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{9\,(2\,x^2 + x + 2)}{(x - 1)\,(x + 1)}$$

Sequence: A040309
Score: 22.4270
Type of gen. func.: lgdogf

$$-\frac{x^2 + 8\,x + 1}{(x - 1)\,(x + 1)\,(2\,x^2 + x + 2)}$$

Sequence: A040309
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1),\ a(0) = 18,\ a(1) = 9,\ a(2) = 36\}$$

Sequence: A040310
Score: 6.36640
Type of gen. func.: ogf

$$-(18\,x^{12} + 7\,x^{11} + 4\,x^{10} + 2\,x^9 + x^8 + x^7 + 4\,x^6 + x^5 + x^4 + 2\,x^3 + 4\,x^2 + 7\,x + 18)\ /\ ((x - 1)\,(x + 1)\,(x^2 + x + 1)\,(x^2 - x + 1)\,(x^2 + 1)\,(x^4 - x^2 + 1))$$

Sequence: A040311
Score: 12.6868

Type of gen. func.: lgdogf

$$-\frac{x^2+12x+1}{3x^4+x^3-x-3}$$

Sequence: A040311
Score: 14.9935
Type of gen. func.: ogf

$$-f(x)x^2-18x^2+f(x)-6x-18$$

Sequence: A040311
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{6(3x^2+x+3)}{(x-1)(x+1)}$$

Sequence: A040311
Score: 21.8208
Type of gen. func.: lgdogf

$$-\frac{x^2+12x+1}{(x-1)(x+1)(3x^2+x+3)}$$

Sequence: A040311
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+1),\ a(0)=18,\ a(1)=6,\ a(2)=36\}$$

Sequence: A040313
Score: 8.59288
Type of gen. func.: ogf

8 7 6 5 4 3 2

$$-\frac{18 x + 4 x + x + x + 8 x + x + x + 4 x + 18}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A040314
Score: 12.6868
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 36 x + 2}{9 x^4 + 2 x^3 - 2 x - 9}$$

Sequence: A040314
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^2 - 18 x^2 + f(x) - 4 x - 18$$

Sequence: A040314
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{2 (9 x^2 + 2 x + 9)}{(x - 1) (x + 1)}$$

Sequence: A040314
Score: 19.6920
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + 18 x + 1)}{(x - 1) (x + 1) (9 x^2 + 2 x + 9)}$$

Sequence: A040314
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 18, a(1) = 4, a(2) = 36\}$$

Sequence: A040316
Score: 10.8181
Type of gen. func.: lgdogf

$$-\frac{x^6+2x^5+3x^4+48x^3+3x^2+2x+1}{(x-1)(x+1)(x^2+1)(6x^4+x^3+x^2+x+6)}$$

Sequence: A040316
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{3(6x^4+x^3+x^2+x+6)}{(x-1)(x+1)(x^2+1)}$$

Sequence: A040316
Score: 8.86163
Type of gen. func.: ogf

$$(13 f(x) - 225) (f(x) x^4 + 18 x^4 + 3 x^3 + 3 x^2 - f(x) + 3 x + 18)$$

Sequence: A040317
Score: 12.6868
Type of gen. func.: lgdogf

$$-\frac{x^2+24x+1}{6x^4+x^3-x-6}$$

Sequence: A040317
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^2 - 18 x^2 + f(x) - 3 x - 18$$

Sequence: A040317
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{3\,(6\,x^{2} + x + 6)}{(x - 1)\,(x + 1)}$$

Sequence: A040317
Score: 21.8208
Type of gen. func.: lgdogf

$$-\frac{x^{2} + 24\,x + 1}{(x - 1)\,(x + 1)\,(6\,x^{2} + x + 6)}$$

Sequence: A040317
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 18, a(1) = 3, a(2) = 36\}$$

Sequence: A040319
Score: 11.2547
Type of gen. func.: ogf

$$-\frac{(x + 1)\,(18\,x^{4} - 16\,x^{3} + 17\,x^{2} - 16\,x + 18)}{(x - 1)\,(x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A040319
Score: 7.31268
Type of gen. func.: lgdogf

$$-(2\,x^{8} + 2\,x^{7} + 3\,x^{6} + 8\,x^{5} + 180\,x^{4} + 8\,x^{3} + 3\,x^{2} + 2\,x + 2) \Big/ ((x - 1)\,(x + 1)\,(x^{4} + x^{3} + x^{2} + x + 1)\,(18\,x^{4} - 16\,x^{3} + 17\,x^{2} - 16\,x + 18))$$

Sequence: A040320
Score: 7.15342
Type of gen. func.: ogf

$$-\frac{18 x^{10} + 2 x^9 + 2 x^8 + 2 x^7 + x^6 + 17 x^5 + x^4 + 2 x^3 + 2 x^2 + 2 x + 18}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A040323
Score: 12.6868
Type of gen. func.: lgdogf

$$-\frac{x^2 + 36 x + 1}{9 x^4 + x^3 - x - 9}$$

Sequence: A040323
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{2 (9 x^2 + x + 9)}{(x - 1) (x + 1)}$$

Sequence: A040323
Score: 21.8208
Type of gen. func.: lgdogf

$$-\frac{x^2 + 36 x + 1}{(x - 1) (x + 1) (9 x^2 + x + 9)}$$

Sequence: A040323
Score: 9.58885
Type of gen. func.: ogf

$\{-a(n + 3) + a(n + 1), a(0) = 18, a(1) = 2, a(2) = 36\}$

Sequence: A040323
Score: 9.81715
Type of gen. func.: ogf

$$(2925 f(x) - 52649) (f(x) x^2 + 18 x^2 - f(x) + 2 x + 18)$$

Sequence: A040325
Score: 7.38431
Type of gen. func.: ogf

$$- \frac{18 x^{10} + x^9 + x^8 + 4 x^7 + x^6 + 3 x^5 + x^4 + 4 x^3 + x^2 + x + 18}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A040326
Score: 7.38431
Type of gen. func.: ogf

$$- \frac{18 x^{10} + x^9 + x^8 + 2 x^7 + x^6 + 6 x^5 + x^4 + 2 x^3 + x^2 + x + 18}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A040327
Score: 11.2547
Type of gen. func.: ogf

$$- \frac{(x + 1) (18 x^4 - 17 x^3 + 18 x^2 - 17 x + 18)}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A040327
Score: 7.44444
Type of gen. func.: lgdogf

$$- (x^8 + 2 x^7 + 3 x^6 + 4 x^5 + 180 x^4 + 4 x^3 + 3 x^2 + 2 x + 1) \Big/ ((x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (18 x^4 - 17 x^3 + 18 x^2 - 17 x + 18))$$

Sequence: A040329
Score: 8.59288
Type of gen. func.: ogf

$$-\frac{18 x^{8} + x^{7} + x^{6} + x^{5} + 8 x^{4} + x^{3} + x^{2} + x + 18}{(x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1)}$$

Sequence: A040330
Score: 9.32443
Type of gen. func.: ogf

$$-\frac{(x + 1) (18 x^{6} - 17 x^{5} + 19 x^{4} - 12 x^{3} + 19 x^{2} - 17 x + 18)}{(x - 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A040331
Score: 10.3308
Type of gen. func.: ogf

$$-\frac{(x^{2} + 1) (18 x^{4} + x^{3} - 16 x^{2} + x + 18)}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A040331
Score: 6.55931
Type of gen. func.: lgdogf

$$- (x^{10} + 4 x^{9} + 6 x^{8} + 8 x^{7} + 5 x^{6} + 216 x^{5} + 5 x^{4} + 8 x^{3} + 6 x^{2} + 4 x + 1) / ((x - 1) (x + 1) (x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (18 x^{4} + x^{3} - 16 x^{2} + x + 18))$$

Sequence: A040332
Score: 6.36640
Type of gen. func.: ogf

$$-(18x^{12}+x^{11}+2x^{10}+x^{9}+3x^{8}+2x^{7}+2x^{6}+2x^{5}+3x^{4}+x^{3}+2x^{2}+x+18)\Big/((x-1)(x+1)(x^{2}+x+1)(x^{2}-x+1)(x^{2}+1)(x^{4}-x^{2}+1))$$

Sequence: A040333
Score: 8.59288
Type of gen. func.: ogf

$$-\frac{18x^{8}+x^{7}+3x^{6}+5x^{5}+9x^{4}+5x^{3}+3x^{2}+x+18}{(x-1)(x+1)(x^{2}+1)(x^{4}+1)}$$

Sequence: A040335
Score: 7.15342
Type of gen. func.: ogf

$$-\frac{18x^{10}+x^{9}+4x^{8}+2x^{7}+2x^{6}+18x^{5}+2x^{4}+2x^{3}+4x^{2}+x+18}{(x-1)(x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)}$$

Sequence: A040336
Score: 6.36640
Type of gen. func.: ogf

$$-(18x^{12}+x^{11}+5x^{10}+3x^{9}+3x^{8}+x^{7}+6x^{6}+x^{5}+3x^{4}+3x^{3}+5x^{2}+x+18)\Big/((x-1)(x+1)(x^{2}+x+1)(x^{2}-x+1)(x^{2}+1)(x^{4}-x^{2}+1))$$

Sequence: A040338
Score: 10.3308
Type of gen. func.: ogf

2 4 3 2

```
                     (x  + 1) (18 x  + x  - 10 x  + x + 18)
                  - ------------------------------------------
                                      2            2
                    (x - 1) (x + 1) (x  + x + 1) (x  - x + 1)



------------------------------------------------------------------------------

Sequence:  A040338
Score: 6.36054
Type of gen. func.: lgdogf


    10       9      8       7      6        5      4       3      2
- (x   + 16 x  + 6 x  + 32 x  + 5 x  + 216 x  + 5 x  + 32 x  + 6 x  + 16 x + 1)

       /                    2        2            2
      /  ((x - 1) (x + 1) (x  + 1) (x  + x + 1) (x  - x + 1)
     /

         4    3       2
    (18 x  + x  - 10 x  + x + 18))



------------------------------------------------------------------------------

Sequence:  A040340
Score: 12.1271
Type of gen. func.: ogf


                           2               2
                         (x  - x + 1) (18 x  + 19 x + 18)
                       - --------------------------------
                                               2
                             (x - 1) (x + 1) (x  + 1)



------------------------------------------------------------------------------

Sequence:  A040340
Score: 8.00622
Type of gen. func.: ogf


                                   4       4    3       2
      (19133 f(x) + 350625) (f(x) x  + 18 x  + x  + 17 x  - f(x) + x + 18)



------------------------------------------------------------------------------

Sequence:  A040340
Score: 9.28012
Type of gen. func.: lgdogf


                   6       5      4        3      2
                  x  + 34 x  + 3 x  + 144 x  + 3 x  + 34 x + 1
          - ---------------------------------------------------------
                              2        2               2
            (x - 1) (x + 1) (x  + 1) (x  - x + 1) (18 x  + 19 x + 18)



------------------------------------------------------------------------------

Sequence:  A040341
```

Score: 12.3081
Type of gen. func.: lgdogf

$$-\frac{x^2 + 72 x + 1}{18 x^4 + x^3 - x - 18}$$

Sequence: A040341
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{18 x^2 + x + 18}{(x - 1) (x + 1)}$$

Sequence: A040341
Score: 20.7018
Type of gen. func.: lgdogf

$$-\frac{x^2 + 72 x + 1}{(x - 1) (x + 1) (18 x^2 + x + 18)}$$

Sequence: A040341
Score: 9.58884
Type of gen. func.: ogf

$$(46692 f(x) - 840455) (f(x) x^2 + 18 x^2 - f(x) + x + 18)$$

Sequence: A040341
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 18, a(1) = 1, a(2) = 36\}$$

Sequence: A040342
Score: 10.7497
Type of gen. func.: ogf

{a(n + 2) - a(n + 1), a(0) = 19, a(1) = 38}

Sequence: A040342
Score: 16.9251
Type of gen. func.: ogf

$$-f(x)\,x + f(x) - 19\,x - 19$$

Sequence: A040342
Score: 20.3969
Type of gen. func.: ogf

$$-\frac{19\,(x + 1)}{x - 1}$$

Sequence: A040342
Score: 20.4976
Type of gen. func.: revogf

$$-\frac{x}{38} - 1/2 + \frac{(x^2 + 114\,x + 361)^{1/2}}{38}$$

Sequence: A040342
Score: 24.8588
Type of gen. func.: lgdogf

$$\frac{2}{-x^2 + 1}$$

Sequence: A040342
Score: 37.7338
Type of gen. func.: ogf_with_Euler_transform]

[2 - x]

Sequence: A040342
Score: 55.6363

Type of gen. func.: lgdogf

$$-\frac{2}{(x-1)(x+1)}$$

Sequence: A040343
Score: 12.4294
Type of gen. func.: lgdogf

$$-\frac{x^2+4x+1}{x^4+x^3-x-1}$$

Sequence: A040343
Score: 15.2977
Type of gen. func.: ogf

$$-\frac{19(x^2+x+1)}{(x-1)(x+1)}$$

Sequence: A040343
Score: 22.9091
Type of gen. func.: lgdogf

$$-\frac{x^2+4x+1}{(x^2+x+1)(x-1)(x+1)}$$

Sequence: A040343
Score: 31.6964
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2+x+1$$

Sequence: A040343
Score: 9.14346
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 19, a(1) = 19, a(2) = 38\}$$

Sequence: A040343
Score: 9.58412
Type of gen. func.: ogf

$$-(4 f(x) - 57) (f(x) x^2 + 19 x^2 - f(x) + 19 x + 19)$$

Sequence: A040344
Score: 6.09607
Type of gen. func.: ogf

$$- (19 x^{12} + 12 x^{11} + x^{10} + 2 x^9 + 3 x^8 + x^7 + 8 x^6 + x^5 + 3 x^4 + 2 x^3 + x^2 + 12 x + 19) \Big/ ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x^4 - x^2 + 1))$$

Sequence: A040345
Score: 11.2547
Type of gen. func.: ogf

$$- \frac{(x + 1) (19 x^4 - 10 x^3 + 11 x^2 - 10 x + 19)}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A040345
Score: 7.18550
Type of gen. func.: lgdogf

$$- (9 x^8 + 2 x^7 + 3 x^6 + 36 x^5 + 190 x^4 + 36 x^3 + 3 x^2 + 2 x + 9) \Big/ ((x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (19 x^4 - 10 x^3 + 11 x^2 - 10 x + 19))$$

Sequence: A040346
Score: 6.30482

Type of gen. func.: ogf

$$-(19 x^{12} + 7 x^{11} + x^{10} + x^{9} + x^{8} + 2 x^{7} + 12 x^{6} + 2 x^{5} + x^{4} + x^{3} + x^{2} + 7 x + 19) \Big/ ((x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1))$$

Sequence: A040348
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{19 x^{4} + 5 x^{3} + 2 x^{2} + 5 x + 19}{(x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A040348
Score: 8.5931
Type of gen. func.: ogf

$$(576 f(x) - 10375) (f(x) x^{4} + 19 x^{4} + 5 x^{3} + 2 x^{2} - f(x) + 5 x + 19)$$

Sequence: A040348
Score: 9.25549
Type of gen. func.: lgdogf

$$-\frac{5 x^{6} + 4 x^{5} + 15 x^{4} + 152 x^{3} + 15 x^{2} + 4 x + 5}{(x - 1) (x + 1) (19 x^{4} + 5 x^{3} + 2 x^{2} + 5 x + 19) (x^{2} + 1)}$$

Sequence: A040349
Score: 6.36640
Type of gen. func.: ogf

$$-(19 x^{12} + 4 x^{11} + x^{10} + 3 x^{9} + 2 x^{8} + 7 x^{7} + 4 x^{6} + 7 x^{5} + 2 x^{4} + 3 x^{3} + x^{2} + 4 x + 19) \Big/ ((x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1)$$

$$(x^4 - x^2 + 1))$$

Sequence: A040350
Score: 12.1494
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^4 + 4 x^3 + 57 x^2 + 4 x + 2)}{(x - 1) (x + 1) (x^2 + x + 1) (19 x^2 - 15 x + 19)}$$

Sequence: A040350
Score: 14.3006
Type of gen. func.: ogf

$$- \frac{(x + 1) (19 x^2 - 15 x + 19)}{(x - 1) (x^2 + x + 1)}$$

Sequence: A040350
Score: 8.60953
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 1), a(0) = 19, a(1) = 4, a(2) = 4, a(3) = 38\}$$

Sequence: A040350
Score: 9.37482
Type of gen. func.: ogf

$$-(5 f(x) - 92) (f(x) x^3 + 19 x^3 + 4 x^2 - f(x) + 4 x + 19)$$

Sequence: A040351
Score: 10.3308
Type of gen. func.: ogf

$$- \frac{19 x^6 + 3 x^5 + x^4 + 4 x^3 + x^2 + 3 x + 19}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A040352
Score: 10.0445
Type of gen. func.: ogf

$$-\frac{19x^6+3x^5+2x^4+12x^3+2x^2+3x+19}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A040353
Score: 11.2547
Type of gen. func.: ogf

$$-\frac{(x+1)(19x^4-16x^3+21x^2-16x+19)}{(x-1)(x^4+x^3+x^2+x+1)}$$

Sequence: A040353
Score: 6.94397
Type of gen. func.: lgdogf

$$-(3x^8+10x^7+15x^6+12x^5+190x^4+12x^3+15x^2+10x+3) \Big/ \left((x-1)(x+1)(x^4+x^3+x^2+x+1)(19x^4-16x^3+21x^2-16x+19)\right)$$

Sequence: A040354
Score: 10.0445
Type of gen. func.: ogf

$$-\frac{19x^6+2x^5+x^4+18x^3+x^2+2x+19}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A040354
Score: 6.25876
Type of gen. func.: lgdogf

10 9 8 7 6 5 4 3 2

$$-2 (x + x + 27 x + 2 x + 5 x + 114 x + 5 x + 2 x + 27 x + x + 1) \Big/ ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (19 x^6 + 2 x^5 + x^4 + 18 x^3 + x^2 + 2 x + 19))$$

Sequence: A040355
Score: 7.38431
Type of gen. func.: ogf

$$-\frac{19 x^{10} + 2 x^9 + x^8 + 2 x^7 + x^6 + 5 x^5 + x^4 + 2 x^3 + x^2 + 2 x + 19}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A040356
Score: 4.97347
Type of gen. func.: ogf

$$-(19 x^{16} + 2 x^{15} + x^{14} + x^{13} + 3 x^{12} + x^{11} + 2 x^{10} + 2 x^9 + 4 x^8 + 2 x^7 + 2 x^6 + x^5 + 3 x^4 + x^3 + x^2 + 2 x + 19) \Big/ ((x - 1) (x + 1) (x^2 + 1) (x^4 + 1) (x^8 + 1))$$

Sequence: A040357
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{19 x^4 + 2 x^3 + 2 x^2 + 2 x + 19}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040357
Score: 9.05018
Type of gen. func.: ogf

$$(5 f(x) - 99) (f(x) x^4 + 19 x^4 + 2 x^3 + 2 x^2 - f(x) + 2 x + 19)$$

Sequence: A040357
Score: 9.57465
Type of gen. func.: lgdogf

$$-\frac{2(x^6+2x^5+3x^4+76x^3+3x^2+2x+1)}{(x-1)(x+1)(19x^4+2x^3+2x^2+2x+19)(x^2+1)}$$

Sequence: A040358
Score: 8.59288
Type of gen. func.: ogf

$$-\frac{19x^8+2x^7+3x^6+x^5+4x^4+x^3+3x^2+2x+19}{(x-1)(x+1)(x^2+1)(x^4+1)}$$

Sequence: A040360
Score: 12.3081
Type of gen. func.: lgdogf

$$-\frac{2x^2+76x+2}{19x^4+2x^3-2x-19}$$

Sequence: A040360
Score: 14.9935
Type of gen. func.: ogf

$$-f(x)x^2-19x^2+f(x)-2x-19$$

Sequence: A040360
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{19x^2+2x+19}{(x-1)(x+1)}$$

Sequence: A040360
Score: 18.7761
Type of gen. func.: lgdogf

$$-\frac{2\,(x^2+38\,x+1)}{(x-1)\,(x+1)\,(19\,x^2+2\,x+19)}$$

Sequence: A040360
Score: 9.58885
Type of gen. func.: ogf

{-a(n + 3) + a(n + 1), a(0) = 19, a(1) = 2, a(2) = 38}

Sequence: A040361
Score: 10.0445
Type of gen. func.: ogf

$$-\frac{19\,x^6+x^5+x^4+12\,x^3+x^2+x+19}{(x-1)\,(x+1)\,(x^2+x+1)\,(x^2-x+1)}$$

Sequence: A040361
Score: 6.35505
Type of gen. func.: lgdogf

$$-(x^{10}+2\,x^9+36\,x^8+4\,x^7+5\,x^6+228\,x^5+5\,x^4+4\,x^3+36\,x^2+2\,x+1)\Big/\left((x-1)\,(x+1)\,(x^2+x+1)\,(x^2-x+1)\,(19\,x^6+x^5+x^4+12\,x^3+x^2+x+19)\right)$$

Sequence: A040363
Score: 8.50717
Type of gen. func.: ogf

$$-\frac{(x^2-x+1)\,(19\,x^6+20\,x^5+2\,x^4-15\,x^3+2\,x^2+20\,x+19)}{}$$

$$(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)$$

Sequence: A040364
Score: 8.59288
Type of gen. func.: ogf

$$- \frac{19 x^8 + x^7 + x^6 + 2 x^5 + 9 x^4 + 2 x^3 + x^2 + x + 19}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A040365
Score: 4.97347
Type of gen. func.: ogf

$$- (19 x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + 3 x^{10} + x^9 + 2 x^8 + x^7 + 3 x^6 + x^5 + x^4 + x^3 + x^2 + x + 19) / ((x - 1) (x + 1) (x^2 + 1) (x^4 + 1) (x^8 + 1))$$

Sequence: A040366
Score: 6.30482
Type of gen. func.: ogf

$$- (19 x^{12} + x^{11} + x^{10} + x^9 + 4 x^8 + x^7 + 18 x^6 + x^5 + 4 x^4 + x^3 + x^2 + x + 19) / ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x^4 - x^2 + 1))$$

Sequence: A040367
Score: 10.0445
Type of gen. func.: ogf

$$- \frac{19 x^6 + x^5 + 2 x^4 + 19 x^3 + 2 x^2 + x + 19}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A040367
Score: 6.16535

Type of gen. func.: lgdogf

$$-(x^{10}+4x^9+57x^8+8x^7+5x^6+228x^5+5x^4+8x^3+57x^2+4x+1) \Big/ ((x-1)(x+1)(x^2+x+1)(x^2-x+1)(19x^6+x^5+2x^4+19x^3+2x^2+x+19))$$

Sequence: A040369
Score: 8.01243
Type of gen. func.: ogf

$$-(x+1)(19x^8-18x^7+20x^6-19x^5+20x^4-19x^3+20x^2-18x+19) \Big/ ((x-1)(x^2+x+1)(x^6+x^3+1))$$

Sequence: A040370
Score: 10.1585
Type of gen. func.: lgdogf

$$-\frac{x^6+4x^5+3x^4+152x^3+3x^2+4x+1}{(x-1)(x+1)(x^2+1)(19x^4+x^3+2x^2+x+19)}$$

Sequence: A040370
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{19x^4+x^3+2x^2+x+19}{(x-1)(x+1)(x^2+1)}$$

Sequence: A040370
Score: 8.50717
Type of gen. func.: ogf

$$(2880 f(x)-54131)(f(x)x^4+19x^4+x^3+2x^2-f(x)+x+19)$$

Sequence: A040372
Score: 10.1585
Type of gen. func.: lgdogf

$$-\frac{x^6 + 6 x^5 + 3 x^4 + 152 x^3 + 3 x^2 + 6 x + 1}{(x - 1) (x + 1) (x^2 + 1) (19 x^4 + x^3 + 3 x^2 + x + 19)}$$

Sequence: A040372
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{19 x^4 + x^3 + 3 x^2 + x + 19}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040372
Score: 8.34036
Type of gen. func.: ogf

$$(50225 f(x) - 932412) (f(x) x^4 + 19 x^4 + x^3 + 3 x^2 - f(x) + x + 19)$$

Sequence: A040375
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{19 x^4 + x^3 + 6 x^2 + x + 19}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040375
Score: 8.34036
Type of gen. func.: ogf

$$(22528 f(x) - 384951) (f(x) x^4 + 19 x^4 + x^3 + 6 x^2 - f(x) + x + 19)$$

Sequence: A040375
Score: 9.91660
Type of gen. func.: lgdogf

$$-\frac{x^6 + 12 x^5 + 3 x^4 + 152 x^3 + 3 x^2 + 12 x + 1}{(x - 1) (x + 1) (x^2 + 1) (19 x^4 + x^3 + 6 x^2 + x + 19)}$$

Sequence: A040376
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{19 x^4 + x^3 + 8 x^2 + x + 19}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040376
Score: 8.68078
Type of gen. func.: ogf

$$(575 f(x) - 8756) (f(x) x^4 + 19 x^4 + x^3 + 8 x^2 - f(x) + x + 19)$$

Sequence: A040376
Score: 9.91660
Type of gen. func.: lgdogf

$$-\frac{x^6 + 16 x^5 + 3 x^4 + 152 x^3 + 3 x^2 + 16 x + 1}{(x - 1) (x + 1) (x^2 + 1) (19 x^4 + x^3 + 8 x^2 + x + 19)}$$

Sequence: A040378
Score: 12.1271
Type of gen. func.: ogf

$$-\frac{(19 x^2 + 20 x + 19) (x^2 - x + 1)}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040378
Score: 8.00622
Type of gen. func.: ogf

$$(11200 f(x) + 221589) (f(x) x^4 + 19 x^4 + x^3 + 18 x^2 - f(x) + x + 19)$$

Sequence: A040378
Score: 9.28012
Type of gen. func.: lgdogf

$$-\frac{x^6 + 36 x^5 + 3 x^4 + 152 x^3 + 3 x^2 + 36 x + 1}{(x - 1) (x + 1) (x^2 + 1) (19 x^2 + 20 x + 19) (x^2 - x + 1)}$$

Sequence: A040379
Score: 12.3081
Type of gen. func.: lgdogf

$$-\frac{x^2 + 76 x + 1}{19 x^4 + x^3 - x - 19}$$

Sequence: A040379
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^2 - 19 x^2 + f(x) - x - 19$$

Sequence: A040379
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{19 x^2 + x + 19}{(x - 1) (x + 1)}$$

Sequence: A040379
Score: 20.7018
Type of gen. func.: lgdogf

$$-\frac{x^2 + 76 x + 1}{(x - 1) (x + 1) (19 x^2 + x + 19)}$$

Sequence: A040379
Score: 9.58885
Type of gen. func.: ogf

{-a(n + 3) + a(n + 1), a(0) = 19, a(1) = 1, a(2) = 38}

Sequence: A040380
Score: 10.7497
Type of gen. func.: ogf

{a(n + 2) - a(n + 1), a(0) = 20, a(1) = 40}

Sequence: A040380
Score: 16.9251
Type of gen. func.: ogf

-f(x) x + f(x) - 20 x - 20

Sequence: A040380
Score: 20.3969
Type of gen. func.: ogf

$$-\frac{20 (x + 1)}{x - 1}$$

Sequence: A040380
Score: 20.4976
Type of gen. func.: revogf

$$- 1/2 - \frac{x}{40} + \frac{(x^2 + 120 x + 400)^{1/2}}{40}$$

Sequence: A040380
Score: 24.8588
Type of gen. func.: lgdogf

$$\frac{2}{-x^2 + 1}$$

Sequence: A040380
Score: 37.7338
Type of gen. func.: ogf_with_Euler_transform]

[2 - x]

Sequence: A040380
Score: 55.6363
Type of gen. func.: lgdogf

$$-\frac{2}{(x - 1)(x + 1)}$$

Sequence: A040381
Score: 12.4294
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4x + 1}{x^4 + x^3 - x - 1}$$

Sequence: A040381
Score: 15.2977
Type of gen. func.: ogf

$$-\frac{20(x^2 + x + 1)}{(x - 1)(x + 1)}$$

Sequence: A040381
Score: 22.9091
Type of gen. func.: lgdogf

$$- \frac{x^2 + 4 x + 1}{(x^2 + x + 1) (x - 1) (x + 1)}$$

Sequence: A040381
Score: 31.6964
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + x + 1$$

Sequence: A040381
Score: 9.14346
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 20, a(1) = 20, a(2) = 40\}$$

Sequence: A040381
Score: 9.58412
Type of gen. func.: ogf

$$-(f(x) - 15) (f(x) x^2 + 20 x^2 - f(x) + 20 x + 20)$$

Sequence: A040382
Score: 7.01635
Type of gen. func.: ogf

$$- \frac{20 x^{10} + 13 x^9 + 2 x^8 + x^7 + 3 x^6 + x^5 + 3 x^4 + x^3 + 2 x^2 + 13 x + 20}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A040383
Score: 12.4294
Type of gen. func.: lgdogf

2

$$-\frac{x + 8x + 1}{2x^{4} + x^{3} - x - 2}$$

Sequence: A040383
Score: 14.205
Type of gen. func.: ogf

$$-f(x)\,x^{2} - 20x^{2} + f(x) - 10x - 20$$

Sequence: A040383
Score: 15.2977
Type of gen. func.: ogf

$$-\frac{10\,(2x^{2} + x + 2)}{(x - 1)(x + 1)}$$

Sequence: A040383
Score: 21.6363
Type of gen. func.: lgdogf

$$-\frac{x^{2} + 8x + 1}{(x - 1)(x + 1)(2x^{2} + x + 2)}$$

Sequence: A040383
Score: 9.14346
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1),\ a(0) = 20,\ a(1) = 10,\ a(2) = 40\}$$

Sequence: A040384
Score: 12.6868
Type of gen. func.: lgdogf

$$-\frac{2x^{2} + 20x + 2}{5x^{4} + 2x^{3} - 2x - 5}$$

Sequence: A040384
Score: 14.9935
Type of gen. func.: ogf

$$-f(x)\,x^2 - 20\,x^2 + f(x) - 8\,x - 20$$

Sequence: A040384
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{4\,(5\,x^2 + 2\,x + 5)}{(x - 1)\,(x + 1)}$$

Sequence: A040384
Score: 19.6920
Type of gen. func.: lgdogf

$$-\frac{2\,(x^2 + 10\,x + 1)}{(x - 1)\,(x + 1)\,(5\,x^2 + 2\,x + 5)}$$

Sequence: A040384
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1),\ a(0) = 20,\ a(1) = 8,\ a(2) = 40\}$$

Sequence: A040386
Score: 10.3308
Type of gen. func.: ogf

$$-\frac{20\,x^6 + 5\,x^5 + x^4 + 2\,x^3 + x^2 + 5\,x + 20}{(x - 1)\,(x + 1)\,(x^2 + x + 1)\,(x^2 - x + 1)}$$

Sequence: A040387
Score: 10.0566
Type of gen. func.: ogf

$$(104 f(x) - 2079) (f(x) x^2 + 20 x^2 - f(x) + 5 x + 20)$$

Sequence: A040387
Score: 12.6868
Type of gen. func.: lgdogf

$$-\frac{x^2 + 16 x + 1}{4 x^4 + x^3 - x - 4}$$

Sequence: A040387
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{5 (4 x^2 + x + 4)}{(x - 1) (x + 1)}$$

Sequence: A040387
Score: 21.8208
Type of gen. func.: lgdogf

$$-\frac{x^2 + 16 x + 1}{(x - 1) (x + 1) (4 x^2 + x + 4)}$$

Sequence: A040387
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 20, a(1) = 5, a(2) = 40\}$$

Sequence: A040389
Score: 12.6868
Type of gen. func.: lgdogf

$$-\frac{x^2 + 20 x + 1}{5 x^4 + x^3 - x - 5}$$

Sequence: A040389
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{4 (5 x^2 + x + 5)}{(x - 1) (x + 1)}$$

Sequence: A040389
Score: 21.8208
Type of gen. func.: lgdogf

$$-\frac{x^2 + 20 x + 1}{(x - 1) (x + 1) (5 x^2 + x + 5)}$$

Sequence: A040389
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 20, a(1) = 4, a(2) = 40\}$$

Sequence: A040389
Score: 9.93542
Type of gen. func.: ogf

$$(505 f(x) - 10098) (f(x) x^2 + 20 x^2 - f(x) + 4 x + 20)$$

Sequence: A040390
Score: 7.15342
Type of gen. func.: ogf

$$20 x^{10} + 3 x^9 + x^8 + x^7 + x^6 + 19 x^5 + x^4 + x^3 + x^2 + 3 x + 20$$

$$-\frac{}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A040392
Score: 8.59288
Type of gen. func.: ogf

$$-\frac{20 x^8 + 3 x^7 + 9 x^6 + x^5 + 4 x^4 + x^3 + 9 x^2 + 3 x + 20}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A040393
Score: 8.59288
Type of gen. func.: ogf

$$-\frac{20 x^8 + 2 x^7 + x^6 + 7 x^5 + 2 x^4 + 7 x^3 + x^2 + 2 x + 20}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A040394
Score: 4.97347
Type of gen. func.: ogf

$$- (20 x^{16} + 2 x^{15} + x^{14} + 2 x^{13} + 4 x^{12} + 6 x^{11} + x^{10} + x^9 + 3 x^8 + x^7 + x^6 + 6 x^5 + 4 x^4 + 2 x^3 + x^2 + 2 x + 20) \Big/ ((x - 1) (x + 1) (x^2 + 1) (x^4 + 1) (x^8 + 1))$$

Sequence: A040395
Score: 8.59288
Type of gen. func.: ogf

$$-\frac{20 x^8 + 2 x^7 + x^6 + x^5 + 9 x^4 + x^3 + x^2 + 2 x + 20}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A040397
Score: 10.0445
Type of gen. func.: ogf

$$-\frac{2\,(10\,x^{6}+x^{5}+2\,x^{4}+10\,x^{3}+2\,x^{2}+x+10)}{(x-1)\,(x+1)\,(x^{2}+x+1)\,(x^{2}-x+1)}$$

Sequence: A040397
Score: 6.16535
Type of gen. func.: lgdogf

$$-(x^{10}+4\,x^{9}+30\,x^{8}+8\,x^{7}+5\,x^{6}+120\,x^{5}+5\,x^{4}+8\,x^{3}+30\,x^{2}+4\,x+1)\Big/\Big((x-1)\,(x+1)\,(x^{2}+x+1)\,(x^{2}-x+1)\,(10\,x^{6}+x^{5}+2\,x^{4}+10\,x^{3}+2\,x^{2}+x+10)\Big)$$

Sequence: A040399
Score: 12.3081
Type of gen. func.: lgdogf

$$-\frac{x^{2}+40\,x+1}{10\,x^{4}+x^{3}-x-10}$$

Sequence: A040399
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{2\,(10\,x^{2}+x+10)}{(x-1)\,(x+1)}$$

Sequence: A040399
Score: 20.7018
Type of gen. func.: lgdogf

$$x^{2}+40\,x+1$$

$$- \frac{}{(x - 1) (x + 1) (10 x^2 + x + 10)}$$

Sequence: A040399
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 20, a(1) = 2, a(2) = 40\}$$

Sequence: A040399
Score: 9.81715
Type of gen. func.: ogf

$$(4010 f(x) - 80199) (f(x) x^2 + 20 x^2 - f(x) + 2 x + 20)$$

Sequence: A040402
Score: 8.59288
Type of gen. func.: ogf

$$- \frac{20 x^8 + x^7 + x^6 + 3 x^5 + 4 x^4 + 3 x^3 + x^2 + x + 20}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A040404
Score: 9.32443
Type of gen. func.: ogf

$$- \frac{(x + 1) (20 x^6 - 19 x^5 + 20 x^4 - 19 x^3 + 20 x^2 - 19 x + 20)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)}$$

Sequence: A040405
Score: 6.36640
Type of gen. func.: ogf

$$- (20 x^{12} + x^{11} + x^{10} + x^9 + 3 x^8 + 2 x^7 + 6 x^6 + 2 x^5 + 3 x^4 + x^3 + x^2 + x + 20) / ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1)$$

$$/\ (x^4 - x^2 + 1))$$

Sequence: A040406
Score: 10.4124
Type of gen. func.: lgdogf

$$-\frac{x^6 + 2x^5 + 3x^4 + 160x^3 + 3x^2 + 2x + 1}{(x - 1)(x + 1)(x^2 + 1)(20x^4 + x^3 + x^2 + x + 20)}$$

Sequence: A040406
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{20x^4 + x^3 + x^2 + x + 20}{(x - 1)(x + 1)(x^2 + 1)}$$

Sequence: A040406
Score: 8.86163
Type of gen. func.: ogf

$$(41 f(x) - 817)(f(x) x^4 + 20x^4 + x^3 + x^2 - f(x) + x + 20)$$

Sequence: A040407
Score: 6.30482
Type of gen. func.: ogf

$$-(20x^{12} + x^{11} + 2x^{10} + 4x^9 + x^8 + 5x^7 + 10x^6 + 5x^5 + x^4 + 4x^3 + 2x^2 + x + 20)\ /\ ((x - 1)(x + 1)(x^2 + x + 1)(x^2 - x + 1)(x^2 + 1)(x^4 - x^2 + 1))$$

Sequence: A040408

Score: 6.30482
Type of gen. func.: ogf

$$-(20 x^{12} + x^{11} + 2 x^{10} + 2 x^{9} + 9 x^{8} + x^{7} + 12 x^{6} + x^{5} + 9 x^{4} + 2 x^{3} + 2 x^{2} + x + 20) \Big/ ((x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1))$$

Sequence: A040411
Score: 8.59288
Type of gen. func.: ogf

$$-\frac{20 x^{8} + x^{7} + 3 x^{6} + x^{5} + x^{4} + x^{3} + 3 x^{2} + x + 20}{(x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1)}$$

Sequence: A040413
Score: 10.1585
Type of gen. func.: lgdogf

$$-\frac{x^{6} + 8 x^{5} + 3 x^{4} + 160 x^{3} + 3 x^{2} + 8 x + 1}{(x - 1) (x + 1) (x^{2} + 1) (20 x^{4} + x^{3} + 4 x^{2} + x + 20)}$$

Sequence: A040413
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{20 x^{4} + x^{3} + 4 x^{2} + x + 20}{(x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A040413
Score: 8.17997
Type of gen. func.: ogf

$$-(3168 f(x) - 61019) (f(x) x^{4} + 20 x^{4} + x^{3} + 4 x^{2} - f(x) + x + 20)$$

Sequence: A040414
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{20 x^{4} + x^{3} + 5 x^{2} + x + 20}{(x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A040414
Score: 8.10207
Type of gen. func.: ogf

$$-(6125 f(x) - 115197) (f(x) x^{4} + 20 x^{4} + x^{3} + 5 x^{2} - f(x) + x + 20)$$

Sequence: A040414
Score: 9.91660
Type of gen. func.: lgdogf

$$-\frac{x^{6} + 10 x^{5} + 3 x^{4} + 160 x^{3} + 3 x^{2} + 10 x + 1}{(x - 1) (x + 1) (x^{2} + 1) (20 x^{4} + x^{3} + 5 x^{2} + x + 20)}$$

Sequence: A040416
Score: 10.3308
Type of gen. func.: ogf

$$-\frac{(x^{2} + 1) (20 x^{4} + x^{3} - 11 x^{2} + x + 20)}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A040416
Score: 6.36054
Type of gen. func.: lgdogf

$$- (x^{10} + 18 x^{9} + 6 x^{8} + 36 x^{7} + 5 x^{6} + 240 x^{5} + 5 x^{4} + 36 x^{3} + 6 x^{2} + 18 x + 1) \Big/ ((x - 1) (x + 1) (x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1))$$

$$/ \quad (20 x^4 + x^3 - 11 x^2 + x + 20))$$

Sequence: A040417
Score: 12.1271
Type of gen. func.: ogf

$$-\frac{20 x^4 + x^3 + 12 x^2 + x + 20}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040417
Score: 8.00622
Type of gen. func.: ogf

$$(20384 f(x) - 205875) (f(x) x^4 + 20 x^4 + x^3 + 12 x^2 - f(x) + x + 20)$$

Sequence: A040417
Score: 9.49848
Type of gen. func.: lgdogf

$$-\frac{x^6 + 24 x^5 + 3 x^4 + 160 x^3 + 3 x^2 + 24 x + 1}{(x - 1) (x + 1) (x^2 + 1) (20 x^4 + x^3 + 12 x^2 + x + 20)}$$

Sequence: A040418
Score: 12.1271
Type of gen. func.: ogf

$$-\frac{(20 x^2 + 21 x + 20) (x^2 - x + 1)}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040418
Score: 8.16475
Type of gen. func.: ogf

$$(2891 f(x) + 61427) (f(x) x^4 + 20 x^4 + x^3 + 19 x^2 - f(x) + x + 20)$$

Sequence: A040418
Score: 9.28012
Type of gen. func.: lgdogf

$$-\frac{x^6 + 38 x^5 + 3 x^4 + 160 x^3 + 3 x^2 + 38 x + 1}{(x - 1) (x + 1) (x^2 + 1) (20 x^2 + 21 x + 20) (x^2 - x + 1)}$$

Sequence: A040419
Score: 12.3081
Type of gen. func.: lgdogf

$$-\frac{x^2 + 80 x + 1}{20 x^4 + x^3 - x - 20}$$

Sequence: A040419
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{20 x^2 + x + 20}{(x - 1) (x + 1)}$$

Sequence: A040419
Score: 20.7018
Type of gen. func.: lgdogf

$$-\frac{x^2 + 80 x + 1}{(x - 1) (x + 1) (20 x^2 + x + 20)}$$

Sequence: A040419
Score: 9.47862
Type of gen. func.: ogf

$$(64040 f(x) - 1280799) (f(x) x^2 + 20 x^2 - f(x) + x + 20)$$

Sequence: A040419
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 20, a(1) = 1, a(2) = 40\}$$

Sequence: A040420
Score: 10.7497
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1), a(0) = 21, a(1) = 42\}$$

Sequence: A040420
Score: 16.9251
Type of gen. func.: ogf

$$-f(x) x + f(x) - 21 x - 21$$

Sequence: A040420
Score: 20.3969
Type of gen. func.: ogf

$$- \frac{21 (x + 1)}{x - 1}$$

Sequence: A040420
Score: 20.4976
Type of gen. func.: revogf

$$- \frac{x}{42} - 1/2 + \frac{(x^2 + 126 x + 441)^{1/2}}{42}$$

Sequence: A040420
Score: 24.8588
Type of gen. func.: lgdogf

$$\frac{2}{-x^2 + 1}$$

Sequence: A040420
Score: 37.7338
Type of gen. func.: ogf_with_Euler_transform]

$$[2 - x]$$

Sequence: A040420
Score: 55.6363
Type of gen. func.: lgdogf

$$- \frac{2}{(x - 1) (x + 1)}$$

Sequence: A040421
Score: 12.4294
Type of gen. func.: lgdogf

$$- \frac{x^2 + 4 x + 1}{x^4 + x^3 - x - 1}$$

Sequence: A040421
Score: 15.2977
Type of gen. func.: ogf

$$- \frac{21 (x^2 + x + 1)}{(x - 1) (x + 1)}$$

Sequence: A040421
Score: 22.9091
Type of gen. func.: lgdogf

$$- \frac{x^2 + 4 x + 1}{}$$

$$(x^2 + x + 1) (x - 1) (x + 1)$$

Sequence: A040421
Score: 31.6964
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + x + 1$$

Sequence: A040421
Score: 9.14346
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 21, a(1) = 21, a(2) = 42\}$$

Sequence: A040421
Score: 9.58412
Type of gen. func.: ogf

$$-(4 f(x) - 63) (f(x) x^2 + 21 x^2 - f(x) + 21 x + 21)$$

Sequence: A040422
Score: 12.2382
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 12 x + 2}{3 x^4 + 2 x^3 - 2 x - 3}$$

Sequence: A040422
Score: 14.205
Type of gen. func.: ogf

$$-f(x) x^2 - 21 x^2 + f(x) - 14 x - 21$$

Sequence: A040422
Score: 15.2977

Type of gen. func.: ogf

$$-\frac{7\,(3x^2+2x+3)}{(x-1)(x+1)}$$

Sequence: A040422
Score: 19.4727
Type of gen. func.: lgdogf

$$-\frac{2\,(x^2+6x+1)}{(x-1)(x+1)(3x^2+2x+3)}$$

Sequence: A040422
Score: 9.14346
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+1),\ a(0)=21,\ a(1)=14,\ a(2)=42\}$$

Sequence: A040423
Score: 10.6084
Type of gen. func.: ogf

$$-\frac{(x+1)(21x^4-11x^3+12x^2-11x+21)}{(x-1)(x^4+x^3+x^2+x+1)}$$

Sequence: A040423
Score: 6.83536
Type of gen. func.: lgdogf

$$-(10x^8+2x^7+3x^6+40x^5+210x^4+40x^3+3x^2+2x+10)\ /\ ((x-1)(x+1)(x^4+x^3+x^2+x+1)(21x^4-11x^3+12x^2-11x+21))$$

Sequence: A040424
Score: 4.94590

Type of gen. func.: ogf

$$-\left(21 x^{16} + 8 x^{15} + 2 x^{14} + 2 x^{13} + x^{12} + 3 x^{11} + x^{10} + x^{9} + 20 x^{8} + x^{7} + x^{6} + 3 x^{5} + x^{4} + 2 x^{3} + 2 x^{2} + 8 x + 21\right) / \left((x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1) (x^{8} + 1)\right)$$

Sequence: A040425
Score: 12.6868
Type of gen. func.: lgdogf

$$-\frac{x^{2} + 12 x + 1}{3 x^{4} + x^{3} - x - 3}$$

Sequence: A040425
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^{2} - 21 x^{2} + f(x) - 7 x - 21$$

Sequence: A040425
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{7 (3 x^{2} + x + 3)}{(x - 1) (x + 1)}$$

Sequence: A040425
Score: 21.8208
Type of gen. func.: lgdogf

$$-\frac{x^{2} + 12 x + 1}{(x - 1) (x + 1) (3 x^{2} + x + 3)}$$

Sequence: A040425
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 21, a(1) = 7, a(2) = 42\}$$

Sequence: A040426
Score: 12.6868
Type of gen. func.: lgdogf

$$-\frac{2 x^{2} + 28 x + 2}{7 x^{4} + 2 x^{3} - 2 x - 7}$$

Sequence: A040426
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^{2} - 21 x^{2} + f(x) - 6 x - 21$$

Sequence: A040426
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{3 (7 x^{2} + 2 x + 7)}{(x - 1) (x + 1)}$$

Sequence: A040426
Score: 19.6920
Type of gen. func.: lgdogf

$$-\frac{2 (x^{2} + 14 x + 1)}{(x - 1) (x + 1) (7 x^{2} + 2 x + 7)}$$

Sequence: A040426
Score: 9.58885

Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 21, a(1) = 6, a(2) = 42\}$$

Sequence: A040428
Score: 8.59288
Type of gen. func.: ogf

$$-\frac{21 x^8 + 4 x^7 + x^6 + 2 x^5 + 4 x^4 + 2 x^3 + x^2 + 4 x + 21}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A040429
Score: 7.15342
Type of gen. func.: ogf

$$- (21 x^{10} + 4 x^9 + 4 x^8 + 2 x^7 + 8 x^6 + 21 x^5 + 8 x^4 + 2 x^3 + 4 x^2 + 4 x + 21) \Big/ ((x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1))$$

Sequence: A040430
Score: 7.15342
Type of gen. func.: ogf

$$-\frac{21 x^{10} + 3 x^9 + x^8 + 5 x^7 + 3 x^6 + 10 x^5 + 3 x^4 + 5 x^3 + x^2 + 3 x + 21}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A040431
Score: 6.93443
Type of gen. func.: ogf

$$-\frac{21 x^{10} + 3 x^9 + x^8 + x^7 + 10 x^6 + 14 x^5 + 10 x^4 + x^3 + x^2 + 3 x + 21}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A040433

Score: 12.6868
Type of gen. func.: lgdogf

$$-\frac{x^2 + 28 x + 1}{7 x^4 + x^3 - x - 7}$$

Sequence: A040433
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^2 - 21 x^2 + f(x) - 3 x - 21$$

Sequence: A040433
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{3 (7 x^2 + x + 7)}{(x - 1) (x + 1)}$$

Sequence: A040433
Score: 21.8208
Type of gen. func.: lgdogf

$$-\frac{x^2 + 28 x + 1}{(x - 1) (x + 1) (7 x^2 + x + 7)}$$

Sequence: A040433
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 21, a(1) = 3, a(2) = 42\}$$

Sequence: A040434
Score: 10.3308
Type of gen. func.: ogf

$$-\frac{(21 x^4 + 2 x^3 - 20 x^2 + 2 x + 21) (x^2 + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A040434
Score: 6.45839
Type of gen. func.: lgdogf

$$- 2 (x^{10} + x^9 + 6 x^8 + 2 x^7 + 5 x^6 + 126 x^5 + 5 x^4 + 2 x^3 + 6 x^2 + x + 1) / ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (21 x^4 + 2 x^3 - 20 x^2 + 2 x + 21) (x^2 + 1))$$

Sequence: A040436
Score: 12.5175
Type of gen. func.: lgdogf

$$-\frac{2 (x^4 + 2 x^3 + 63 x^2 + 2 x + 1)}{(x - 1) (x + 1) (21 x^2 - 19 x + 21) (x^2 + x + 1)}$$

Sequence: A040436
Score: 14.3006
Type of gen. func.: ogf

$$-\frac{(x + 1) (21 x^2 - 19 x + 21)}{(x - 1) (x^2 + x + 1)}$$

Sequence: A040436
Score: 8.60953
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 1), a(0) = 21, a(1) = 2, a(2) = 2, a(3) = 42\}$$

Sequence: A040436

Score: 9.17102
Type of gen. func.: ogf

$$-(43 f(x) - 897) (f(x) x^{3} + 21 x^{3} + 2 x^{2} - f(x) + 2 x + 21)$$

Sequence: A040437
Score: 7.15342
Type of gen. func.: ogf

$$-\frac{21 x^{10} + 2 x^{9} + 2 x^{8} + x^{7} + 4 x^{6} + 21 x^{5} + 4 x^{4} + x^{3} + 2 x^{2} + 2 x + 21}{(x - 1) (x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A040438
Score: 6.30482
Type of gen. func.: ogf

$$-(21 x^{12} + 2 x^{11} + 4 x^{10} + 3 x^{9} + x^{8} + 2 x^{7} + 10 x^{6} + 2 x^{5} + x^{4} + 3 x^{3} + 4 x^{2} + 2 x + 21) \Big/ ((x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1))$$

Sequence: A040440
Score: 12.3081
Type of gen. func.: lgdogf

$$-\frac{2 x^{2} + 84 x + 2}{21 x^{4} + 2 x^{3} - 2 x - 21}$$

Sequence: A040440
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^{2} - 21 x^{2} + f(x) - 2 x - 21$$

Sequence: A040440
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{21 x^2 + 2 x + 21}{(x - 1) (x + 1)}$$

Sequence: A040440
Score: 18.7761
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + 42 x + 1)}{(x - 1) (x + 1) (21 x^2 + 2 x + 21)}$$

Sequence: A040440
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 21, a(1) = 2, a(2) = 42\}$$

Sequence: A040442
Score: 7.38431
Type of gen. func.: ogf

$$-\frac{21 x^{10} + x^9 + x^8 + 5 x^7 + x^6 + x^5 + x^4 + 5 x^3 + x^2 + x + 21}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A040443
Score: 7.38431
Type of gen. func.: ogf

$$-\frac{21 x^{10} + x^9 + x^8 + 3 x^7 + 2 x^6 + 2 x^5 + 2 x^4 + 3 x^3 + x^2 + x + 21}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A040446
Score: 8.59288
Type of gen. func.: ogf

$$-\frac{21x^8+x^7+x^6+x^5+2x^4+x^3+x^2+x+21}{(x-1)(x+1)(x^2+1)(x^4+1)}$$

Sequence: A040447
Score: 7.11000
Type of gen. func.: ogf

$$-\frac{21x^{10}+x^9+x^8+x^7+10x^6+6x^5+10x^4+x^3+x^2+x+21}{(x-1)(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)}$$

Sequence: A040448
Score: 10.3308
Type of gen. func.: ogf

$$-\frac{21x^6+x^5+2x^4+8x^3+2x^2+x+21}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A040448
Score: 6.31271
Type of gen. func.: lgdogf

$$-(x^{10}+4x^9+24x^8+8x^7+5x^6+252x^5+5x^4+8x^3+24x^2+4x+1) \Big/ ((x-1)(x+1)(x^2+x+1)(x^2-x+1)(21x^6+x^5+2x^4+8x^3+2x^2+x+21))$$

Sequence: A040451
Score: 10.1585
Type of gen. func.: lgdogf

$$x^6+4x^5+3x^4+168x^3+3x^2+4x+1$$

$$-\frac{}{(x - 1) (x + 1) (x^{2} + 1) (21 x^{4} + x^{3} + 2 x^{2} + x + 21)}$$

Sequence: A040451
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{21 x^{4} + x^{3} + 2 x^{2} + x + 21}{(x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A040451
Score: 8.34036
Type of gen. func.: ogf

$$(35200 f(x) - 732711) (f(x) x^{4} + 21 x^{4} + x^{3} + 2 x^{2} - f(x) + x + 21)$$

Sequence: A040453
Score: 7.38431
Type of gen. func.: ogf

$$-\frac{21 x^{10} + x^{9} + 3 x^{8} + x^{7} + 6 x^{6} + 2 x^{5} + 6 x^{4} + x^{3} + 3 x^{2} + x + 21}{(x - 1) (x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A040454
Score: 8.50717
Type of gen. func.: ogf

$$-\frac{21 x^{8} + x^{7} + 4 x^{6} + 2 x^{5} + 10 x^{4} + 2 x^{3} + 4 x^{2} + x + 21}{(x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1)}$$

Sequence: A040457
Score: 6.30482
Type of gen. func.: ogf

```
        12     11       10     9       8       7        6       5       4     3       2
```

```
- (21 x   + x   + 7 x   + x  + 3 x  + 2 x  + 21 x  + 2 x  + 3 x  + x  + 7 x

                 /                    2            2            2
     + x + 21)  /  ((x - 1) (x + 1) (x  + x + 1) (x  - x + 1) (x  + 1)
               /

      4    2
    (x  - x  + 1))


------------------------------------------------------------------------------

Sequence:  A040458
Score: 12.6973
Type of gen. func.: ogf

                                4    3      2
                            21 x  + x  + 9 x  + x + 21
                          - --------------------------
                                                  2
                             (x - 1) (x + 1) (x  + 1)


------------------------------------------------------------------------------

Sequence:  A040458
Score: 8.34036
Type of gen. func.: ogf

                                   4       4    3      2
      (55539 f(x) - 924532) (f(x) x  + 21 x  + x  + 9 x  - f(x) + x + 21)


------------------------------------------------------------------------------

Sequence:  A040458
Score: 9.91660
Type of gen. func.: lgdogf

                   6       5      4        3      2
                  x  + 18 x  + 3 x  + 168 x  + 3 x  + 18 x + 1
            - -----------------------------------------------------
                                  2           4    3      2
              (x - 1) (x + 1) (x  + 1) (21 x  + x  + 9 x  + x + 21)


------------------------------------------------------------------------------

Sequence:  A040460
Score: 12.1271
Type of gen. func.: ogf

                             2                2
                         (21 x  + 22 x + 21) (x  - x + 1)
                       - --------------------------------
                                                  2
                             (x - 1) (x + 1) (x  + 1)


------------------------------------------------------------------------------

Sequence:  A040460
```

Score: 8.16475
Type of gen. func.: ogf

$$(3751 f(x) + 85200) (f(x) x^4 + 21 x^4 + x^3 + 20 x^2 - f(x) + x + 21)$$

Sequence: A040460
Score: 9.28012
Type of gen. func.: lgdogf

$$- \frac{x^6 + 40 x^5 + 3 x^4 + 168 x^3 + 3 x^2 + 40 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^2 - x + 1) (21 x^2 + 22 x + 21)}$$

Sequence: A040461
Score: 12.3081
Type of gen. func.: lgdogf

$$- \frac{x^2 + 84 x + 1}{21 x^4 + x^3 - x - 21}$$

Sequence: A040461
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^2 - 21 x^2 + f(x) - x - 21$$

Sequence: A040461
Score: 16.1694
Type of gen. func.: ogf

$$- \frac{21 x^2 + x + 21}{(x - 1) (x + 1)}$$

Sequence: A040461
Score: 20.7018
Type of gen. func.: lgdogf

$$-\frac{x^2 + 84 x + 1}{(x - 1) (x + 1) (21 x^2 + x + 21)}$$

Sequence: A040461
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 21, a(1) = 1, a(2) = 42\}$$

Sequence: A040462
Score: 10.7497
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1), a(0) = 22, a(1) = 44\}$$

Sequence: A040462
Score: 16.9251
Type of gen. func.: ogf

$$-f(x) x + f(x) - 22 x - 22$$

Sequence: A040462
Score: 20.3969
Type of gen. func.: ogf

$$-\frac{22 (x + 1)}{x - 1}$$

Sequence: A040462
Score: 20.4976
Type of gen. func.: revogf

$$-\frac{x}{44} - 1/2 + \frac{(x^2 + 132 x + 484)^{1/2}}{44}$$

Sequence: A040462
Score: 24.8588
Type of gen. func.: lgdogf

$$\frac{2}{-x^2 + 1}$$

Sequence: A040462
Score: 37.7338
Type of gen. func.: ogf_with_Euler_transform]

[2 - x]

Sequence: A040462
Score: 55.6363
Type of gen. func.: lgdogf

$$-\frac{2}{(x - 1)(x + 1)}$$

Sequence: A040463
Score: 12.4294
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4x + 1}{x^4 + x^3 - x - 1}$$

Sequence: A040463
Score: 15.2977
Type of gen. func.: ogf

$$-\frac{22(x^2 + x + 1)}{(x - 1)(x + 1)}$$

Sequence: A040463
Score: 22.9091
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4 x + 1}{(x^2 + x + 1) (x - 1) (x + 1)}$$

Sequence: A040463
Score: 31.6964
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + x + 1$$

Sequence: A040463
Score: 9.14346
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 22, a(1) = 22, a(2) = 44\}$$

Sequence: A040463
Score: 9.58412
Type of gen. func.: ogf

$$-(5 f(x) - 99) (f(x) x^2 + 22 x^2 - f(x) + 22 x + 22)$$

Sequence: A040465
Score: 12.4294
Type of gen. func.: lgdogf

$$-\frac{x^2 + 8 x + 1}{2 x^4 + x^3 - x - 2}$$

Sequence: A040465
Score: 14.205
Type of gen. func.: ogf

$$-f(x) x^2 - 22 x^2 + f(x) - 11 x - 22$$

Sequence: A040465
Score: 15.2977
Type of gen. func.: ogf

$$-\frac{11\,(2\,x^{2}+x+2)}{(x-1)\,(x+1)}$$

Sequence: A040465
Score: 21.6363
Type of gen. func.: lgdogf

$$-\frac{x^{2}+8\,x+1}{(x-1)\,(x+1)\,(2\,x^{2}+x+2)}$$

Sequence: A040465
Score: 9.14346
Type of gen. func.: ogf

{-a(n + 3) + a(n + 1), a(0) = 22, a(1) = 11, a(2) = 44}

Sequence: A040467
Score: 7.38431
Type of gen. func.: ogf

$$-\frac{22\,x^{10}+7\,x^{9}+2\,x^{8}+x^{7}+4\,x^{6}+4\,x^{5}+4\,x^{4}+x^{3}+2\,x^{2}+7\,x+22}{(x-1)\,(x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{4}-x^{3}+x^{2}-x+1)}$$

Sequence: A040469
Score: 8.50717
Type of gen. func.: ogf

$$-\frac{22\,x^{8}+5\,x^{7}+x^{6}+x^{5}+10\,x^{4}+x^{3}+x^{2}+5\,x+22}{(x-1)\,(x+1)\,(x^{2}+1)\,(x^{4}+1)}$$

Sequence: A040470
Score: 7.74068
Type of gen. func.: ogf

$$-\frac{(x+1)(22x^8-18x^7+19x^6-9x^5+12x^4-9x^3+19x^2-18x+22)}{(x-1)(x^2+x+1)(x^6+x^3+1)}$$

Sequence: A040471
Score: 7.38431
Type of gen. func.: ogf

$$-\frac{22x^{10}+4x^9+2x^8+2x^7+x^6+2x^5+x^4+2x^3+2x^2+4x+22}{(x-1)(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)}$$

Sequence: A040472
Score: 12.3081
Type of gen. func.: lgdogf

$$-\frac{2x^2+44x+2}{11x^4+2x^3-2x-11}$$

Sequence: A040472
Score: 14.9935
Type of gen. func.: ogf

$$-f(x)x^2-22x^2+f(x)-4x-22$$

Sequence: A040472
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{2(11x^2+2x+11)}{(x-1)(x+1)}$$

Sequence: A040472
Score: 18.7761
Type of gen. func.: lgdogf

$$-\frac{2\,(x^2+22\,x+1)}{(x-1)\,(x+1)\,(11\,x^2+2\,x+11)}$$

Sequence: A040472
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+1),\ a(0)=22,\ a(1)=4,\ a(2)=44\}$$

Sequence: A040473
Score: 4.97347
Type of gen. func.: ogf

$$-(22\,x^{16}+3\,x^{15}+x^{14}+2\,x^{13}+4\,x^{12}+x^{11}+x^{10}+2\,x^9+2\,x^8+2\,x^7+x^6+x^5+4\,x^4+2\,x^3+x^2+3\,x+22)\;/\;((x-1)\,(x+1)\,(x^2+1)\,(x^4+1)\,(x^8+1))$$

Sequence: A040474
Score: 7.38431
Type of gen. func.: ogf

$$-\frac{22\,x^{10}+3\,x^9+2\,x^8+2\,x^7+5\,x^6+6\,x^5+5\,x^4+2\,x^3+2\,x^2+3\,x+22}{(x-1)\,(x+1)\,(x^4+x^3+x^2+x+1)\,(x^4-x^3+x^2-x+1)}$$

Sequence: A040475
Score: 10.0445
Type of gen. func.: ogf

$$-\frac{22\,x^6+3\,x^5+6\,x^4+22\,x^3+6\,x^2+3\,x+22}{(x-1)\,(x+1)\,(x^2+x+1)\,(x^2-x+1)}$$

Sequence: A040476
Score: 10.0445
Type of gen. func.: ogf

$$-\frac{22 x^6 + 2 x^5 + x^4 + 21 x^3 + x^2 + 2 x + 22}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A040480
Score: 8.50717
Type of gen. func.: ogf

$$-\frac{(22 x^6 - 20 x^5 + 21 x^3 - 20 x + 22) (x^2 + x + 1)}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A040481
Score: 10.2839
Type of gen. func.: lgdogf

$$-\frac{x^6 + 4 x^5 + 3 x^4 + 88 x^3 + 3 x^2 + 4 x + 1}{(x - 1) (x + 1) (x^2 + 1) (11 x^4 + x^3 + 2 x^2 + x + 11)}$$

Sequence: A040481
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{2 (11 x^4 + x^3 + 2 x^2 + x + 11)}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040481
Score: 8.5931
Type of gen. func.: ogf

4 4 3 2

$$(800 f(x) - 17017) (f(x) x + 22 x + 2 x + 4 x - f(x) + 2 x + 22)$$

Sequence: A040482
Score: 10.2839
Type of gen. func.: lgdogf

$$- \frac{x^6 + 8 x^5 + 3 x^4 + 88 x^3 + 3 x^2 + 8 x + 1}{(x - 1) (x + 1) (x^2 + 1) (11 x^4 + x^3 + 4 x^2 + x + 11)}$$

Sequence: A040482
Score: 12.6973
Type of gen. func.: ogf

$$- \frac{2 (11 x^4 + x^3 + 4 x^2 + x + 11)}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040482
Score: 8.68078
Type of gen. func.: ogf

$$(117 f(x) - 2212) (f(x) x^4 + 22 x^4 + 2 x^3 + 8 x^2 - f(x) + 2 x + 22)$$

Sequence: A040483
Score: 12.3081
Type of gen. func.: lgdogf

$$- \frac{x^2 + 44 x + 1}{11 x^4 + x^3 - x - 11}$$

Sequence: A040483
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^2 - 22 x^2 + f(x) - 2 x - 22$$

Sequence: A040483
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{2\,(11\,x^2+x+11)}{(x-1)\,(x+1)}$$

Sequence: A040483
Score: 20.7018
Type of gen. func.: lgdogf

$$-\frac{x^2+44\,x+1}{(x-1)\,(x+1)\,(11\,x^2+x+11)}$$

Sequence: A040483
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+1),\ a(0)=22,\ a(1)=2,\ a(2)=44\}$$

Sequence: A040484
Score: 10.0445
Type of gen. func.: ogf

$$-\frac{22\,x^6+x^5+x^4+14\,x^3+x^2+x+22}{(x-1)\,(x+1)\,(x^2+x+1)\,(x^2-x+1)}$$

Sequence: A040484
Score: 6.35505
Type of gen. func.: lgdogf

$$-(x^{10}+2\,x^9+42\,x^8+4\,x^7+5\,x^6+264\,x^5+5\,x^4+4\,x^3+42\,x^2+2\,x+1)\Big/\,((x-1)\,(x+1)\,(x^2+x+1)\,(x^2-x+1)$$

$$(22 x^6 + x^5 + x^4 + 14 x^3 + x^2 + x + 22))$$

Sequence: A040487
Score: 10.3308
Type of gen. func.: ogf

$$-\frac{(x^2 + 1) (22 x^4 + x^3 - 21 x^2 + x + 22)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A040487
Score: 6.55931
Type of gen. func.: lgdogf

$$- (x^{10} + 2 x^9 + 6 x^8 + 4 x^7 + 5 x^6 + 264 x^5 + 5 x^4 + 4 x^3 + 6 x^2 + 2 x + 1)$$

$$/ ((x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1)$$

$$(22 x^4 + x^3 - 21 x^2 + x + 22))$$

Sequence: A040489
Score: 6.30482
Type of gen. func.: ogf

$$- (22 x^{12} + x^{11} + x^{10} + x^9 + 2 x^8 + 6 x^7 + 11 x^6 + 6 x^5 + 2 x^4 + x^3 + x^2 + x$$

$$+ 22) / ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1)$$

$$(x^4 - x^2 + 1))$$

Sequence: A040490
Score: 4.97347
Type of gen. func.: ogf

$$- (22 x^{16} + x^{15} + x^{14} + x^{13} + 5 x^{12} + x^{11} + 4 x^{10} + 5 x^9 + 2 x^8 + 5 x^7 + 4 x^6$$

$$+ x^5 + 5 x^4 + x^3 + x^2 + x + 22) / ((x - 1) (x + 1) (x^2 + 1) (x^4 + 1)$$

$$(x^{8} + 1))$$

Sequence: A040491
Score: 10.0445
Type of gen. func.: ogf

$$-\frac{22 x^{6} + x^{5} + 2 x^{4} + 22 x^{3} + 2 x^{2} + x + 22}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A040491
Score: 6.16535
Type of gen. func.: lgdogf

$$- (x^{10} + 4 x^{9} + 66 x^{8} + 8 x^{7} + 5 x^{6} + 264 x^{5} + 5 x^{4} + 8 x^{3} + 66 x^{2} + 4 x + 1) / ((x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (22 x^{6} + x^{5} + 2 x^{4} + 22 x^{3} + 2 x^{2} + x + 22))$$

Sequence: A040492
Score: 7.38431
Type of gen. func.: ogf

$$-\frac{22 x^{10} + x^{9} + 2 x^{8} + 3 x^{7} + x^{6} + 3 x^{5} + x^{4} + 3 x^{3} + 2 x^{2} + x + 22}{(x - 1) (x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A040493
Score: 7.15342
Type of gen. func.: ogf

$$-\frac{22 x^{10} + x^{9} + 2 x^{8} + x^{7} + x^{6} + 14 x^{5} + x^{4} + x^{3} + 2 x^{2} + x + 22}{(x - 1) (x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A040495
Score: 10.3308
Type of gen. func.: ogf

$$-\frac{22x^6+x^5+3x^4+6x^3+3x^2+x+22}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A040497
Score: 10.0445
Type of gen. func.: ogf

$$-\frac{22x^6+x^5+4x^4+11x^3+4x^2+x+22}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A040499
Score: 7.38431
Type of gen. func.: ogf

$$-\frac{22x^{10}+x^9+5x^8+x^7+x^6+4x^5+x^4+x^3+5x^2+x+22}{(x-1)(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)}$$

Sequence: A040502
Score: 6.11644
Type of gen. func.: lgdogf

$$-(x^{10}+20x^9+6x^8+40x^7+5x^6+264x^5+5x^4+40x^3+6x^2+20x+1) \Big/ ((x-1)(x+1)(x^2+1)(x^2+x+1)(x^2-x+1)(22x^4+x^3-12x^2+x+22))$$

Sequence: A040502
Score: 9.70166
Type of gen. func.: ogf

2 4 3 2

$$-\frac{(x + 1)(22 x + x - 12 x + x + 22)}{(x - 1)(x + 1)(x^2 + x + 1)(x^2 - x + 1)}$$

Sequence: A040504
Score: 12.1271
Type of gen. func.: ogf

$$-\frac{(22 x^2 + 23 x + 22)(x^2 - x + 1)}{(x - 1)(x + 1)(x^2 + 1)}$$

Sequence: A040504
Score: 8.00622
Type of gen. func.: ogf

$$(34385 f(x) + 831537)(f(x) x^4 + 22 x^4 + x^3 + 21 x^2 - f(x) + x + 22)$$

Sequence: A040504
Score: 9.28012
Type of gen. func.: lgdogf

$$-\frac{x^6 + 42 x^5 + 3 x^4 + 176 x^3 + 3 x^2 + 42 x + 1}{(x - 1)(x + 1)(22 x^2 + 23 x + 22)(x^2 - x + 1)(x^2 + 1)}$$

Sequence: A040505
Score: 12.3081
Type of gen. func.: lgdogf

$$-\frac{x^2 + 88 x + 1}{22 x^4 + x^3 - x - 22}$$

Sequence: A040505
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^2 - 22 x^2 + f(x) - x - 22$$

Sequence: A040505
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{22 x^2 + x + 22}{(x - 1) (x + 1)}$$

Sequence: A040505
Score: 20.7018
Type of gen. func.: lgdogf

$$-\frac{x^2 + 88 x + 1}{(x - 1) (x + 1) (22 x^2 + x + 22)}$$

Sequence: A040505
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 22, a(1) = 1, a(2) = 44\}$$

Sequence: A040506
Score: 10.7497
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1), a(0) = 23, a(1) = 46\}$$

Sequence: A040506
Score: 16.9251
Type of gen. func.: ogf

$$-f(x) x + f(x) - 23 x - 23$$

Sequence: A040506
Score: 20.3969

Type of gen. func.: ogf

$$-\frac{23\,(x+1)}{x-1}$$

Sequence: A040506
Score: 20.4976
Type of gen. func.: revogf

$$-\frac{x}{46}-1/2+\frac{(x^{2}+138\,x+529)^{1/2}}{46}$$

Sequence: A040506
Score: 24.8588
Type of gen. func.: lgdogf

$$\frac{2}{-x^{2}+1}$$

Sequence: A040506
Score: 37.7338
Type of gen. func.: ogf_with_Euler_transform]

[2 - x]

Sequence: A040506
Score: 55.6363
Type of gen. func.: lgdogf

$$-\frac{2}{(x-1)\,(x+1)}$$

Sequence: A040507
Score: 12.4294
Type of gen. func.: lgdogf

$$-\frac{x^{2}+4\,x+1}{}$$

$$x^4 + x^3 - x - 1$$

Sequence: A040507
Score: 15.2977
Type of gen. func.: ogf

$$-\frac{23 (x^2 + x + 1)}{(x - 1) (x + 1)}$$

Sequence: A040507
Score: 22.9091
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4 x + 1}{(x^2 + x + 1) (x - 1) (x + 1)}$$

Sequence: A040507
Score: 31.6964
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + x + 1$$

Sequence: A040507
Score: 9.14346
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 23, a(1) = 23, a(2) = 46\}$$

Sequence: A040507
Score: 9.58412
Type of gen. func.: ogf

$$-(4 f(x) - 69) (f(x) x^2 + 23 x^2 - f(x) + 23 x + 23)$$

Sequence: A040508
Score: 7.01635
Type of gen. func.: ogf

$$-\frac{23x^{10}+15x^{9}+2x^{8}+x^{7}+4x^{6}+2x^{5}+4x^{4}+x^{3}+2x^{2}+15x+23}{(x-1)(x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)}$$

Sequence: A040509
Score: 10.6084
Type of gen. func.: ogf

$$-\frac{(x+1)(23x^{4}-12x^{3}+13x^{2}-12x+23)}{(x-1)(x^{4}+x^{3}+x^{2}+x+1)}$$

Sequence: A040509
Score: 6.83536
Type of gen. func.: lgdogf

$$-(11x^{8}+2x^{7}+3x^{6}+44x^{5}+230x^{4}+44x^{3}+3x^{2}+2x+11)\Big/\big((x-1)(x+1)(x^{4}+x^{3}+x^{2}+x+1)(23x^{4}-12x^{3}+13x^{2}-12x+23)\big)$$

Sequence: A040510
Score: 7.15342
Type of gen. func.: ogf

$$-\frac{23x^{10}+9x^{9}+4x^{8}+x^{7}+x^{6}+22x^{5}+x^{4}+x^{3}+4x^{2}+9x+23}{(x-1)(x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)}$$

Sequence: A040511
Score: 6.36640
Type of gen. func.: ogf

$$-(23x^{12}+7x^{11}+x^{10}+2x^{9}+4x^{8}+x^{7}+3x^{6}+x^{5}+4x^{4}+2x^{3}+x^{2}+7x+23)\Big/\big((x-1)(x+1)(x^{2}+x+1)(x^{2}-x+1)(x^{2}+1)\big)$$

$$/ \; (x^4 - x^2 + 1))$$

Sequence: A040512
Score: 7.38431
Type of gen. func.: ogf

$$-\frac{23 x^{10} + 6 x^9 + x^8 + x^7 + 2 x^6 + 5 x^5 + 2 x^4 + x^3 + x^2 + 6 x + 23}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A040514
Score: 9.32443
Type of gen. func.: ogf

$$-\frac{(x + 1) (23 x^6 - 18 x^5 + 25 x^4 - 24 x^3 + 25 x^2 - 18 x + 23)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)}$$

Sequence: A040515
Score: 8.59288
Type of gen. func.: ogf

$$-\frac{23 x^8 + 4 x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + 4 x + 23}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A040516
Score: 8.50717
Type of gen. func.: ogf

$$-\frac{23 x^8 + 4 x^7 + 4 x^6 + x^5 + 10 x^4 + x^3 + 4 x^2 + 4 x + 23}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A040518
Score: 4.94590

Type of gen. func.: ogf

$$-(x^2-x+1)(23x^{14}+26x^{13}+4x^{12}-21x^{11}-22x^{10}+23x^8+24x^7+23x^6-22x^4-21x^3+4x^2+26x+23)\Big/\left((x-1)(x+1)(x^2+1)(x^4+1)(x^8+1)\right)$$

Sequence: A040519
Score: 7.15342
Type of gen. func.: ogf

$$-\frac{23x^{10}+3x^9+3x^8+3x^7+x^6+14x^5+x^4+3x^3+3x^2+3x+23}{(x-1)(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)}$$

Sequence: A040520
Score: 12.1271
Type of gen. func.: ogf

$$-\frac{23x^4+3x^3+11x^2+3x+23}{(x-1)(x+1)(x^2+1)}$$

Sequence: A040520
Score: 8.00622
Type of gen. func.: ogf

$$-(475f(x)-7956)(f(x)x^4+23x^4+3x^3+11x^2-f(x)+3x+23)$$

Sequence: A040520
Score: 8.87220
Type of gen. func.: lgdogf

$$-\frac{3x^6+22x^5+9x^4+184x^3+9x^2+22x+3}{(x-1)(x+1)(x^2+1)(23x^4+3x^3+11x^2+3x+23)}$$

Sequence: A040521
Score: 10.3308
Type of gen. func.: ogf

$$-\frac{23x^6+2x^5+x^4+8x^3+x^2+2x+23}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A040521
Score: 6.40909
Type of gen. func.: lgdogf

$$-2(x^{10}+x^9+12x^8+2x^7+5x^6+138x^5+5x^4+2x^3+12x^2+x+1) / ((x-1)(x+1)(x^2+x+1)(x^2-x+1)(23x^6+2x^5+x^4+8x^3+x^2+2x+23))$$

Sequence: A040522
Score: 10.3308
Type of gen. func.: ogf

$$-\frac{23x^6+2x^5+x^4+2x^3+x^2+2x+23}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A040522
Score: 6.50846
Type of gen. func.: lgdogf

$$-2(x^{10}+x^9+3x^8+2x^7+5x^6+138x^5+5x^4+2x^3+3x^2+x+1) / ((x-1)(x+1)(x^2+x+1)(x^2-x+1)(23x^6+2x^5+x^4+2x^3+x^2+2x+23))$$

Sequence: A040526
Score: 4.97347
Type of gen. func.: ogf

$$-(23x^{16}+2x^{15}+4x^{14}+x^{13}+2x^{12}+x^{11}+x^{10}+7x^{9}+4x^{8}+7x^{7}+x^{6}+x^{5}+2x^{4}+x^{3}+4x^{2}+2x+23)/((x-1)(x+1)(x^{2}+1)(x^{4}+1)(x^{8}+1))$$

Sequence: A040527
Score: 10.3308
Type of gen. func.: ogf

$$-\frac{23x^{6}+2x^{5}+8x^{4}+x^{3}+8x^{2}+2x+23}{(x-1)(x+1)(x^{2}+x+1)(x^{2}-x+1)}$$

Sequence: A040528
Score: 12.3081
Type of gen. func.: lgdogf

$$-\frac{2x^{2}+92x+2}{23x^{4}+2x^{3}-2x-23}$$

Sequence: A040528
Score: 14.9935
Type of gen. func.: ogf

$$-f(x)x^{2}-23x^{2}+f(x)-2x-23$$

Sequence: A040528
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{23x^{2}+2x+23}{(x-1)(x+1)}$$

Sequence: A040528
Score: 18.7761
Type of gen. func.: lgdogf

$$-\frac{2\,(x^{2}+46\,x+1)}{(x-1)\,(x+1)\,(23\,x^{2}+2\,x+23)}$$

Sequence: A040528
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+1),\ a(0)=23,\ a(1)=2,\ a(2)=46\}$$

Sequence: A040530
Score: 6.85686
Type of gen. func.: ogf

$$-(x+1)\,(23\,x^{10}-22\,x^{9}+23\,x^{8}-17\,x^{7}+21\,x^{6}-20\,x^{5}+21\,x^{4}-17\,x^{3}+23\,x^{2}-22\,x+23)\Big/\Big((x-1)\,(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)\Big)$$

Sequence: A040531
Score: 8.59288
Type of gen. func.: ogf

$$-\frac{23\,x^{8}+x^{7}+x^{6}+3\,x^{5}+x^{4}+3\,x^{3}+x^{2}+x+23}{(x-1)\,(x+1)\,(x^{2}+1)\,(x^{4}+1)}$$

Sequence: A040533
Score: 11.2547
Type of gen. func.: ogf

$$(x+1)\,(23\,x^{4}-22\,x^{3}+23\,x^{2}-22\,x+23)$$

$$-\frac{}{(x-1)(x^4+x^3+x^2+x+1)}$$

Sequence: A040533
Score: 7.44444
Type of gen. func.: lgdogf

$$-(x^8+2x^7+3x^6+4x^5+230x^4+4x^3+3x^2+2x+1) \Big/ \left((x-1)(x+1)(x^4+x^3+x^2+x+1)(23x^4-22x^3+23x^2-22x+23)\right)$$

Sequence: A040534
Score: 6.36640
Type of gen. func.: ogf

$$-\frac{23x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+4x^6+x^5+x^4+x^3+x^2+x+23}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)(x^2+1)(x^4-x^2+1)}$$

Sequence: A040536
Score: 10.4124
Type of gen. func.: lgdogf

$$-\frac{x^6+2x^5+3x^4+184x^3+3x^2+2x+1}{(x-1)(x+1)(x^2+1)(23x^4+x^3+x^2+x+23)}$$

Sequence: A040536
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{23x^4+x^3+x^2+x+23}{(x-1)(x+1)(x^2+1)}$$

Sequence: A040536
Score: 8.77028

Type of gen. func.: ogf

$$(47 f(x) - 1078) (f(x) x^4 + 23 x^4 + x^3 + x^2 - f(x) + x + 23)$$

Sequence: A040539
Score: 7.15342
Type of gen. func.: ogf

$$- (x^2 + x + 1) (23 x^8 - 22 x^7 + x^6 + 22 x^5 - 21 x^4 + 22 x^3 + x^2 - 22 x + 23) / ((x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1))$$

Sequence: A040540
Score: 10.1585
Type of gen. func.: lgdogf

$$- \frac{x^6 + 4 x^5 + 3 x^4 + 184 x^3 + 3 x^2 + 4 x + 1}{(x - 1) (x + 1) (x^2 + 1) (23 x^4 + x^3 + 2 x^2 + x + 23)}$$

Sequence: A040540
Score: 12.6973
Type of gen. func.: ogf

$$- \frac{23 x^4 + x^3 + 2 x^2 + x + 23}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040540
Score: 8.34036
Type of gen. func.: ogf

$$(15488 f(x) - 353625) (f(x) x^4 + 23 x^4 + x^3 + 2 x^2 - f(x) + x + 23)$$

Sequence: A040543
Score: 10.3308
Type of gen. func.: ogf

$$-\frac{23 x^6 + x^5 + 4 x^4 + 3 x^3 + 4 x^2 + x + 23}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A040543
Score: 6.31271
Type of gen. func.: lgdogf

$$- (x^{10} + 8 x^9 + 9 x^8 + 16 x^7 + 5 x^6 + 276 x^5 + 5 x^4 + 16 x^3 + 9 x^2 + 8 x + 1) / ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (23 x^6 + x^5 + 4 x^4 + 3 x^3 + 4 x^2 + x + 23))$$

Sequence: A040544
Score: 10.1585
Type of gen. func.: lgdogf

$$-\frac{x^6 + 8 x^5 + 3 x^4 + 184 x^3 + 3 x^2 + 8 x + 1}{(x - 1) (x + 1) (23 x^4 + x^3 + 4 x^2 + x + 23) (x^2 + 1)}$$

Sequence: A040544
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{23 x^4 + x^3 + 4 x^2 + x + 23}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040544
Score: 8.17997
Type of gen. func.: ogf

$$-(1225 f(x) - 27404) (f(x) x^4 + 23 x^4 + x^3 + 4 x^2 - f(x) + x + 23)$$

Sequence: A040546
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{23 x^4 + x^3 + 6 x^2 + x + 23}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040546
Score: 8.50717
Type of gen. func.: ogf

$$(1664 f(x) - 35775) (f(x) x^4 + 23 x^4 + x^3 + 6 x^2 - f(x) + x + 23)$$

Sequence: A040546
Score: 9.91660
Type of gen. func.: lgdogf

$$-\frac{x^6 + 12 x^5 + 3 x^4 + 184 x^3 + 3 x^2 + 12 x + 1}{(x - 1) (x + 1) (x^2 + 1) (23 x^4 + x^3 + 6 x^2 + x + 23)}$$

Sequence: A040548
Score: 12.1271
Type of gen. func.: ogf

$$-\frac{23 x^4 + x^3 + 10 x^2 + x + 23}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040548
Score: 8.3297
Type of gen. func.: ogf

$$(448 f(x) - 8091) (f(x) x^4 + 23 x^4 + x^3 + 10 x^2 - f(x) + x + 23)$$

Sequence: A040548
Score: 9.49848
Type of gen. func.: lgdogf

$$-\frac{x^6+20x^5+3x^4+184x^3+3x^2+20x+1}{(x-1)(x+1)(x^2+1)(23x^4+x^3+10x^2+x+23)}$$

Sequence: A040549
Score: 12.1271
Type of gen. func.: ogf

$$-\frac{23x^4+x^3+14x^2+x+23}{(x-1)(x+1)(x^2+1)}$$

Sequence: A040549
Score: 8.00622
Type of gen. func.: ogf

$$(10240 f(x) - 114173) (f(x) x^4 + 23 x^4 + x^3 + 14 x^2 - f(x) + x + 23)$$

Sequence: A040549
Score: 9.49848
Type of gen. func.: lgdogf

$$-\frac{x^6+28x^5+3x^4+184x^3+3x^2+28x+1}{(x-1)(x+1)(x^2+1)(23x^4+x^3+14x^2+x+23)}$$

Sequence: A040550
Score: 12.1271
Type of gen. func.: ogf

$$-\frac{(23x^2+24x+23)(x^2-x+1)}{(x-1)(x+1)(x^2+1)}$$

Sequence: A040550
Score: 8.16475
Type of gen. func.: ogf

$$(2176\, f(x) + 55825)\, (f(x)\, x^4 + 23\, x^4 + x^3 + 22\, x^2 - f(x) + x + 23)$$

Sequence: A040550
Score: 9.28012
Type of gen. func.: lgdogf

$$- \frac{x^6 + 44\, x^5 + 3\, x^4 + 184\, x^3 + 3\, x^2 + 44\, x + 1}{(x - 1)\, (x + 1)\, (23\, x^2 + 24\, x + 23)\, (x^2 - x + 1)\, (x^2 + 1)}$$

Sequence: A040551
Score: 12.3081
Type of gen. func.: lgdogf

$$- \frac{x^2 + 92\, x + 1}{23\, x^4 + x^3 - x - 23}$$

Sequence: A040551
Score: 14.9935
Type of gen. func.: ogf

$$-f(x)\, x^2 - 23\, x^2 + f(x) - x - 23$$

Sequence: A040551
Score: 16.1694
Type of gen. func.: ogf

$$- \frac{23\, x^2 + x + 23}{(x - 1)\, (x + 1)}$$

Sequence: A040551
Score: 20.7018

Type of gen. func.: lgdogf

$$-\frac{x^2 + 92 x + 1}{(x - 1) (x + 1) (23 x^2 + x + 23)}$$

Sequence: A040551
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 23, a(1) = 1, a(2) = 46\}$$

Sequence: A040552
Score: 10.7497
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1), a(0) = 24, a(1) = 48\}$$

Sequence: A040552
Score: 16.9251
Type of gen. func.: ogf

$$-f(x) x + f(x) - 24 x - 24$$

Sequence: A040552
Score: 20.3969
Type of gen. func.: ogf

$$-\frac{24 (x + 1)}{x - 1}$$

Sequence: A040552
Score: 20.4976
Type of gen. func.: revogf

$$-\frac{x}{48} - 1/2 + \frac{(x^2 + 144 x + 576)^{1/2}}{48}$$

Sequence: A040552
Score: 24.8588
Type of gen. func.: lgdogf

$$\frac{2}{-x^2 + 1}$$

Sequence: A040552
Score: 37.7338
Type of gen. func.: ogf_with_Euler_transform]

[2 - x]

Sequence: A040552
Score: 55.6363
Type of gen. func.: lgdogf

$$-\frac{2}{(x - 1) (x + 1)}$$

Sequence: A040553
Score: 12.4294
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4 x + 1}{x^4 + x^3 - x - 1}$$

Sequence: A040553
Score: 15.2977
Type of gen. func.: ogf

$$-\frac{24 (x^2 + x + 1)}{(x - 1) (x + 1)}$$

Sequence: A040553
Score: 22.9091

Type of gen. func.: lgdogf

$$-\frac{x^2+4x+1}{(x^2+x+1)(x-1)(x+1)}$$

Sequence: A040553
Score: 31.6964
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2+x+1$$

Sequence: A040553
Score: 9.14346
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+1),\ a(0)=24,\ a(1)=24,\ a(2)=48\}$$

Sequence: A040553
Score: 9.58412
Type of gen. func.: ogf

$$-(f(x)-18)(f(x)x^2+24x^2-f(x)+24x+24)$$

Sequence: A040554
Score: 12.2382
Type of gen. func.: lgdogf

$$-\frac{2x^2+12x+2}{3x^4+2x^3-2x-3}$$

Sequence: A040554
Score: 14.205
Type of gen. func.: ogf

$$-f(x)x^2-24x^2+f(x)-16x-24$$

Sequence: A040554
Score: 15.2977
Type of gen. func.: ogf

$$-\frac{8\,(3\,x^{2}+2\,x+3)}{(x-1)\,(x+1)}$$

Sequence: A040554
Score: 19.4727
Type of gen. func.: lgdogf

$$-\frac{2\,(x^{2}+6\,x+1)}{(x-1)\,(x+1)\,(3\,x^{2}+2\,x+3)}$$

Sequence: A040554
Score: 9.14346
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+1),\ a(0)=24,\ a(1)=16,\ a(2)=48\}$$

Sequence: A040555
Score: 12.4294
Type of gen. func.: lgdogf

$$-\frac{x^{2}+8\,x+1}{2\,x^{4}+x^{3}-x-2}$$

Sequence: A040555
Score: 14.205
Type of gen. func.: ogf

$$-f(x)\,x^{2}-24\,x^{2}+f(x)-12\,x-24$$

Sequence: A040555
Score: 15.2977
Type of gen. func.: ogf

$$-\frac{12 (2 x^2 + x + 2)}{(x - 1) (x + 1)}$$

Sequence: A040555
Score: 21.6363
Type of gen. func.: lgdogf

$$-\frac{x^2 + 8 x + 1}{(x - 1) (x + 1) (2 x^2 + x + 2)}$$

Sequence: A040555
Score: 9.14346
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 24, a(1) = 12, a(2) = 48\}$$

Sequence: A040557
Score: 12.6868
Type of gen. func.: lgdogf

$$-\frac{x^2 + 12 x + 1}{3 x^4 + x^3 - x - 3}$$

Sequence: A040557
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^2 - 24 x^2 + f(x) - 8 x - 24$$

Sequence: A040557
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{8\,(3\,x^{2}+x+3)}{(x-1)\,(x+1)}$$

Sequence: A040557
Score: 21.8208
Type of gen. func.: lgdogf

$$-\frac{x^{2}+12\,x+1}{(x-1)\,(x+1)\,(3\,x^{2}+x+3)}$$

Sequence: A040557
Score: 9.58885
Type of gen. func.: ogf

{-a(n + 3) + a(n + 1), a(0) = 24, a(1) = 8, a(2) = 48}

Sequence: A040558
Score: 7.38431
Type of gen. func.: ogf

$$-\frac{24\,x^{10}+6\,x^{9}+x^{8}+7\,x^{7}+5\,x^{6}+4\,x^{5}+5\,x^{4}+7\,x^{3}+x^{2}+6\,x+24}{(x-1)\,(x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{4}-x^{3}+x^{2}-x+1)}$$

Sequence: A040559
Score: 12.6868
Type of gen. func.: lgdogf

$$-\frac{x^{2}+16\,x+1}{4\,x^{4}+x^{3}-x-4}$$

Sequence: A040559
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^{2} - 24 x^{2} + f(x) - 6 x - 24$$

Sequence: A040559
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{6 (4 x^{2} + x + 4)}{(x - 1) (x + 1)}$$

Sequence: A040559
Score: 21.8208
Type of gen. func.: lgdogf

$$-\frac{x^{2} + 16 x + 1}{(x - 1) (x + 1) (4 x^{2} + x + 4)}$$

Sequence: A040559
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 24, a(1) = 6, a(2) = 48\}$$

Sequence: A040560
Score: 8.59288
Type of gen. func.: ogf

$$-\frac{24 x^{8} + 5 x^{7} + 2 x^{6} + x^{5} + 4 x^{4} + x^{3} + 2 x^{2} + 5 x + 24}{(x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1)}$$

Sequence: A040563
Score: 12.6868
Type of gen. func.: lgdogf

$$-\frac{x^{2} + 24 x + 1}{{}^{4} \quad {}^{3}}$$

$$6 x + x - x - 6$$

Sequence: A040563
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^2 - 24 x^2 + f(x) - 4 x - 24$$

Sequence: A040563
Score: 16.1694
Type of gen. func.: ogf

$$- \frac{4 (6 x^2 + x + 6)}{(x - 1) (x + 1)}$$

Sequence: A040563
Score: 21.8208
Type of gen. func.: lgdogf

$$- \frac{x^2 + 24 x + 1}{(x - 1) (x + 1) (6 x^2 + x + 6)}$$

Sequence: A040563
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 24, a(1) = 4, a(2) = 48\}$$

Sequence: A040565
Score: 10.3308
Type of gen. func.: ogf

$$- \frac{24 x^6 + 3 x^5 + 2 x^4 + 4 x^3 + 2 x^2 + 3 x + 24}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A040566
Score: 7.38431
Type of gen. func.: ogf

$$-\frac{24 x^{10} + 3 x^{9} + 4 x^{8} + x^{7} + x^{6} + 7 x^{5} + x^{4} + x^{3} + 4 x^{2} + 3 x + 24}{(x - 1) (x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A040567
Score: 12.6868
Type of gen. func.: lgdogf

$$-\frac{x^{2} + 32 x + 1}{8 x^{4} + x^{3} - x - 8}$$

Sequence: A040567
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^{2} - 24 x^{2} + f(x) - 3 x - 24$$

Sequence: A040567
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{3 (8 x^{2} + x + 8)}{(x - 1) (x + 1)}$$

Sequence: A040567
Score: 21.8208
Type of gen. func.: lgdogf

$$-\frac{x^{2} + 32 x + 1}{(x - 1) (x + 1) (8 x^{2} + x + 8)}$$

Sequence: A040567
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 24, a(1) = 3, a(2) = 48\}$$

Sequence: A040569
Score: 7.15342
Type of gen. func.: ogf

$$-\frac{24 x^{10} + 2 x^{9} + x^{8} + 2 x^{7} + 5 x^{6} + 24 x^{5} + 5 x^{4} + 2 x^{3} + x^{2} + 2 x + 24}{(x - 1) (x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A040570
Score: 7.38431
Type of gen. func.: ogf

$$-\frac{24 x^{10} + 2 x^{9} + x^{8} + x^{7} + 4 x^{6} + x^{5} + 4 x^{4} + x^{3} + x^{2} + 2 x + 24}{(x - 1) (x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A040573
Score: 7.11000
Type of gen. func.: ogf

$$-\frac{24 x^{10} + 2 x^{9} + 4 x^{8} + x^{7} + 15 x^{6} + 2 x^{5} + 15 x^{4} + x^{3} + 4 x^{2} + 2 x + 24}{(x - 1) (x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A040575
Score: 12.3081
Type of gen. func.: lgdogf

$$-\frac{x^{2} + 48 x + 1}{12 x^{4} + x^{3} - x - 12}$$

Sequence: A040575
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^2 - 24 x^2 + f(x) - 2 x - 24$$

Sequence: A040575
Score: 16.1694
Type of gen. func.: ogf

$$- \frac{2 (12 x^2 + x + 12)}{(x - 1) (x + 1)}$$

Sequence: A040575
Score: 20.7018
Type of gen. func.: lgdogf

$$- \frac{x^2 + 48 x + 1}{(x - 1) (x + 1) (12 x^2 + x + 12)}$$

Sequence: A040575
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 24, a(1) = 2, a(2) = 48\}$$

Sequence: A040577
Score: 10.3308
Type of gen. func.: ogf

$$- \frac{24 x^6 + x^5 + x^4 + 6 x^3 + x^2 + x + 24}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A040577
Score: 6.50846

Type of gen. func.: lgdogf

$$-\left(x^{10}+2x^{9}+18x^{8}+4x^{7}+5x^{6}+288x^{5}+5x^{4}+4x^{3}+18x^{2}+2x+1\right)\Big/\left((x-1)(x+1)(x^{2}+x+1)(x^{2}-x+1)(24x^{6}+x^{5}+x^{4}+6x^{3}+x^{2}+x+24)\right)$$

Sequence: A040578
Score: 7.15342
Type of gen. func.: ogf

$$-\frac{24x^{10}+x^{9}+x^{8}+3x^{7}+x^{6}+23x^{5}+x^{4}+3x^{3}+x^{2}+x+24}{(x-1)(x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)}$$

Sequence: A040580
Score: 6.20961
Type of gen. func.: ogf

$$-\left(24x^{12}+x^{11}+x^{10}+2x^{9}+11x^{8}+x^{7}+8x^{6}+x^{5}+11x^{4}+2x^{3}+x^{2}+x+24\right)\Big/\left((x-1)(x+1)(x^{2}+x+1)(x^{2}-x+1)(x^{2}+1)(x^{4}-x^{2}+1)\right)$$

Sequence: A040583
Score: 8.50717
Type of gen. func.: ogf

$$-\frac{24x^{8}+x^{7}+x^{6}+x^{5}+11x^{4}+x^{3}+x^{2}+x+24}{(x-1)(x+1)(x^{2}+1)(x^{4}+1)}$$

Sequence: A040584
Score: 6.36640
Type of gen. func.: ogf

$$-(24x^{12}+x^{11}+2x^{10}+9x^{9}+x^{8}+x^{7}+6x^{6}+x^{5}+x^{4}+9x^{3}+2x^{2}+x+24) \Big/ ((x-1)(x+1)(x^{2}+x+1)(x^{2}-x+1)(x^{2}+1)(x^{4}-x^{2}+1))$$

Sequence: A040585
Score: 8.01243
Type of gen. func.: ogf

$$-(x+1)(24x^{8}-23x^{7}+25x^{6}-22x^{5}+27x^{4}-22x^{3}+25x^{2}-23x+24) \Big/ ((x-1)(x^{2}+x+1)(x^{6}+x^{3}+1))$$

Sequence: A040587
Score: 8.59288
Type of gen. func.: ogf

$$-\frac{24x^{8}+x^{7}+2x^{6}+x^{5}+4x^{4}+x^{3}+2x^{2}+x+24}{(x-1)(x+1)(x^{2}+1)(x^{4}+1)}$$

Sequence: A040590
Score: 10.1585
Type of gen. func.: lgdogf

$$-\frac{x^{6}+6x^{5}+3x^{4}+192x^{3}+3x^{2}+6x+1}{(x-1)(x+1)(x^{2}+1)(24x^{4}+x^{3}+3x^{2}+x+24)}$$

Sequence: A040590
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{24x^{4}+x^{3}+3x^{2}+x+24}{(x-1)(x+1)(x^{2}+1)}$$

Sequence: A040590
Score: 8.17997
Type of gen. func.: ogf

$$(103275 f(x) - 2443777) (f(x) x^4 + 24 x^4 + x^3 + 3 x^2 - f(x) + x + 24)$$

Sequence: A040591
Score: 7.38431
Type of gen. func.: ogf

$$-\frac{24 x^{10} + x^9 + 4 x^8 + x^7 + x^6 + 6 x^5 + x^4 + x^3 + 4 x^2 + x + 24}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A040593
Score: 10.3308
Type of gen. func.: ogf

$$-\frac{24 x^6 + x^5 + 6 x^4 + 8 x^3 + 6 x^2 + x + 24}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A040595
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{24 x^4 + x^3 + 8 x^2 + x + 24}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040595
Score: 8.34036
Type of gen. func.: ogf

$$(44800 f(x) - 952911) (f(x) x^4 + 24 x^4 + x^3 + 8 x^2 - f(x) + x + 24)$$

Sequence: A040595
Score: 9.91660
Type of gen. func.: lgdogf

$$-\frac{x^6+16x^5+3x^4+192x^3+3x^2+16x+1}{(x-1)(x+1)(x^2+1)(24x^4+x^3+8x^2+x+24)}$$

Sequence: A040596
Score: 6.11644
Type of gen. func.: lgdogf

$$-(x^{10}+22x^9+6x^8+44x^7+5x^6+288x^5+5x^4+44x^3+6x^2+22x+1) \Big/ ((x-1)(x+1)(x^2+1)(24x^4+x^3-13x^2+x+24)(x^2-x+1)(x^2+x+1))$$

Sequence: A040596
Score: 9.70166
Type of gen. func.: ogf

$$-\frac{(x^2+1)(24x^4+x^3-13x^2+x+24)}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A040598
Score: 12.1271
Type of gen. func.: ogf

$$-\frac{(x^2-x+1)(24x^2+25x+24)}{(x-1)(x+1)(x^2+1)}$$

Sequence: A040598
Score: 7.92923
Type of gen. func.: ogf

$$(44375 f(x) + 1203843) (f(x) x^{4} + 24 x^{4} + x^{3} + 23 x^{2} - f(x) + x + 24)$$

Sequence: A040598
Score: 9.28012
Type of gen. func.: lgdogf

$$-\frac{x^{6} + 46 x^{5} + 3 x^{4} + 192 x^{3} + 3 x^{2} + 46 x + 1}{(x - 1) (x + 1) (x^{2} + 1) (24 x^{2} + 25 x + 24) (x^{2} - x + 1)}$$

Sequence: A040599
Score: 12.3081
Type of gen. func.: lgdogf

$$-\frac{x^{2} + 96 x + 1}{24 x^{4} + x^{3} - x - 24}$$

Sequence: A040599
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^{2} - 24 x^{2} + f(x) - x - 24$$

Sequence: A040599
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{24 x^{2} + x + 24}{(x - 1) (x + 1)}$$

Sequence: A040599
Score: 20.7018
Type of gen. func.: lgdogf

$$-\frac{x^{2} + 96 x + 1}{}$$

$$(x - 1) (x + 1) (24 x^2 + x + 24)$$

Sequence: A040599
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 24, a(1) = 1, a(2) = 48\}$$

Sequence: A040600
Score: 10.7497
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1), a(0) = 25, a(1) = 50\}$$

Sequence: A040600
Score: 16.9251
Type of gen. func.: ogf

$$-f(x) x + f(x) - 25 x - 25$$

Sequence: A040600
Score: 20.3969
Type of gen. func.: ogf

$$- \frac{25 (x + 1)}{x - 1}$$

Sequence: A040600
Score: 20.4976
Type of gen. func.: revogf

$$- \frac{x}{50} - 1/2 + \frac{(x^2 + 150 x + 625)^{1/2}}{50}$$

Sequence: A040600
Score: 24.8588
Type of gen. func.: lgdogf

$$\frac{2}{-x^{2} + 1}$$

Sequence: A040600
Score: 37.7338
Type of gen. func.: ogf_with_Euler_transform]

$$[2 - x]$$

Sequence: A040600
Score: 55.6363
Type of gen. func.: lgdogf

$$-\frac{2}{(x - 1)\,(x + 1)}$$

Sequence: A040601
Score: 12.4294
Type of gen. func.: lgdogf

$$-\frac{x^{2} + 4\,x + 1}{x^{4} + x^{3} - x - 1}$$

Sequence: A040601
Score: 15.2977
Type of gen. func.: ogf

$$-\frac{25\,(x^{2} + x + 1)}{(x - 1)\,(x + 1)}$$

Sequence: A040601
Score: 22.9091
Type of gen. func.: lgdogf

$$-\frac{x^{2} + 4\,x + 1}{}$$

$$(x^2 + x + 1) (x - 1) (x + 1)$$

Sequence: A040601
Score: 31.6964
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + x + 1$$

Sequence: A040601
Score: 9.14346
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 25, a(1) = 25, a(2) = 50\}$$

Sequence: A040601
Score: 9.58412
Type of gen. func.: ogf

$$-(4 f(x) - 75) (f(x) x^2 + 25 x^2 - f(x) + 25 x + 25)$$

Sequence: A040603
Score: 10.6084
Type of gen. func.: ogf

$$-\frac{(x + 1) (25 x^4 - 13 x^3 + 14 x^2 - 13 x + 25)}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A040603
Score: 6.83536
Type of gen. func.: lgdogf

$$- (12 x^8 + 2 x^7 + 3 x^6 + 48 x^5 + 250 x^4 + 48 x^3 + 3 x^2 + 2 x + 12) / ((x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (25 x^4 - 13 x^3 + 14 x^2 - 13 x + 25))$$

Sequence: A040604
Score: 12.2382
Type of gen. func.: lgdogf

$$-\frac{2x^2+20x+2}{5x^4+2x^3-2x-5}$$

Sequence: A040604
Score: 14.205
Type of gen. func.: ogf

$$-f(x)\,x^2-25\,x^2+f(x)-10\,x-25$$

Sequence: A040604
Score: 15.2977
Type of gen. func.: ogf

$$-\frac{5\,(5x^2+2x+5)}{(x-1)\,(x+1)}$$

Sequence: A040604
Score: 18.9978
Type of gen. func.: lgdogf

$$-\frac{2\,(x^2+10x+1)}{(x-1)\,(x+1)\,(5x^2+2x+5)}$$

Sequence: A040604
Score: 9.14346
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+1),\ a(0)=25,\ a(1)=10,\ a(2)=50\}$$

Sequence: A040606
Score: 12.6973

Type of gen. func.: ogf

$$-\frac{25 x^4 + 7 x^3 + 6 x^2 + 7 x + 25}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040606
Score: 8.42294
Type of gen. func.: ogf

$$(7744 f(x) - 176925) (f(x) x^4 + 25 x^4 + 7 x^3 + 6 x^2 - f(x) + 7 x + 25)$$

Sequence: A040606
Score: 9.05428
Type of gen. func.: lgdogf

$$-\frac{7 x^6 + 12 x^5 + 21 x^4 + 200 x^3 + 21 x^2 + 12 x + 7}{(x - 1) (x + 1) (x^2 + 1) (25 x^4 + 7 x^3 + 6 x^2 + 7 x + 25)}$$

Sequence: A040609
Score: 12.6868
Type of gen. func.: lgdogf

$$-\frac{x^2 + 20 x + 1}{5 x^4 + x^3 - x - 5}$$

Sequence: A040609
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^2 - 25 x^2 + f(x) - 5 x - 25$$

Sequence: A040609
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{5\,(5\,x^{2}+x+5)}{(x-1)\,(x+1)}$$

Sequence: A040609
Score: 21.8208
Type of gen. func.: lgdogf

$$-\frac{x^{2}+20\,x+1}{(x-1)\,(x+1)\,(5\,x^{2}+x+5)}$$

Sequence: A040609
Score: 9.58885
Type of gen. func.: ogf

{-a(n + 3) + a(n + 1), a(0) = 25, a(1) = 5, a(2) = 50}

Sequence: A040610
Score: 6.30482
Type of gen. func.: ogf

$$-(25\,x^{12}+4\,x^{11}+x^{10}+x^{9}+3\,x^{8}+3\,x^{7}+12\,x^{6}+3\,x^{5}+3\,x^{4}+x^{3}+x^{2}+4\,x+25)\Big/((x-1)\,(x+1)\,(x^{2}+x+1)\,(x^{2}-x+1)\,(x^{2}+1)\,(x^{4}-x^{2}+1))$$

Sequence: A040612
Score: 8.59288
Type of gen. func.: ogf

$$-\frac{25\,x^{8}+3\,x^{7}+x^{6}+6\,x^{5}+2\,x^{4}+6\,x^{3}+x^{2}+3\,x+25}{(x-1)\,(x+1)\,(x^{2}+1)\,(x^{4}+1)}$$

Sequence: A040613

Score: 4.97347
Type of gen. func.: ogf

$$-(25 x^{16} + 3 x^{15} + x^{14} + x^{13} + 2 x^{12} + 4 x^{11} + 4 x^{10} + x^{9} + 4 x^{8} + x^{7} + 4 x^{6} + 4 x^{5} + 2 x^{4} + x^{3} + x^{2} + 3 x + 25) / ((x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1) (x^{8} + 1))$$

Sequence: A040614
Score: 6.30482
Type of gen. func.: ogf

$$-(25 x^{12} + 3 x^{11} + 2 x^{10} + x^{9} + 4 x^{8} + x^{7} + 11 x^{6} + x^{5} + 4 x^{4} + x^{3} + 2 x^{2} + 3 x + 25) / ((x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1))$$

Sequence: A040616
Score: 10.0445
Type of gen. func.: ogf

$$-\frac{25 x^{6} + 2 x^{5} + x^{4} + 24 x^{3} + x^{2} + 2 x + 25}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A040616
Score: 6.25876
Type of gen. func.: lgdogf

$$-2 (x^{10} + x^{9} + 36 x^{8} + 2 x^{7} + 5 x^{6} + 150 x^{5} + 5 x^{4} + 2 x^{3} + 36 x^{2} + x + 1) / ((x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (25 x^{6} + 2 x^{5} + x^{4} + 24 x^{3} + x^{2} + 2 x + 25))$$

Sequence: A040618
Score: 7.38431
Type of gen. func.: ogf

$$-\frac{25 x^{10} + 2 x^9 + x^8 + x^7 + x^6 + 6 x^5 + x^4 + x^3 + x^2 + 2 x + 25}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A040619
Score: 6.93443
Type of gen. func.: ogf

$$-\frac{25 x^{10} + 2 x^9 + x^8 + x^7 + 12 x^6 + 10 x^5 + 12 x^4 + x^3 + x^2 + 2 x + 25}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A040620
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{25 x^4 + 2 x^3 + 2 x^2 + 2 x + 25}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040620
Score: 8.86163
Type of gen. func.: ogf

$$(13 f(x) - 322) (f(x) x^4 + 25 x^4 + 2 x^3 + 2 x^2 - f(x) + 2 x + 25)$$

Sequence: A040620
Score: 9.46584
Type of gen. func.: lgdogf

$$-\frac{2 (x^6 + 2 x^5 + 3 x^4 + 100 x^3 + 3 x^2 + 2 x + 1)}{(x - 1) (x + 1) (x^2 + 1) (25 x^4 + 2 x^3 + 2 x^2 + 2 x + 25)}$$

Sequence: A040621
Score: 4.94590
Type of gen. func.: ogf

$$-(25x^{16}+2x^{15}+3x^{14}+2x^{13}+2x^{12}+x^{11}+x^{10}+4x^{9}+25x^{8}+4x^{7}+x^{6}+x^{5}+2x^{4}+2x^{3}+3x^{2}+2x+25)\Big/\left((x-1)(x+1)(x^{2}+1)(x^{4}+1)(x^{8}+1)\right)$$

Sequence: A040622
Score: 10.3308
Type of gen. func.: ogf

$$-\frac{25x^{6}+2x^{5}+5x^{4}+6x^{3}+5x^{2}+2x+25}{(x-1)(x+1)(x^{2}+x+1)(x^{2}-x+1)}$$

Sequence: A040624
Score: 12.1271
Type of gen. func.: lgdogf

$$-\frac{2x^{2}+100x+2}{25x^{4}+2x^{3}-2x-25}$$

Sequence: A040624
Score: 14.9935
Type of gen. func.: ogf

$$-f(x)x^{2}-25x^{2}+f(x)-2x-25$$

Sequence: A040624
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{25x^{2}+2x+25}{(x-1)(x+1)}$$

Sequence: A040624
Score: 18.7761
Type of gen. func.: lgdogf

$$-\frac{2\,(x^2+50\,x+1)}{(x-1)\,(x+1)\,(25\,x^2+2\,x+25)}$$

Sequence: A040624
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+1),\ a(0)=25,\ a(1)=2,\ a(2)=50\}$$

Sequence: A040625
Score: 10.0445
Type of gen. func.: ogf

$$-\frac{25\,x^6+x^5+x^4+16\,x^3+x^2+x+25}{(x-1)\,(x+1)\,(x^2+x+1)\,(x^2-x+1)}$$

Sequence: A040625
Score: 6.35505
Type of gen. func.: lgdogf

$$-(x^{10}+2\,x^9+48\,x^8+4\,x^7+5\,x^6+300\,x^5+5\,x^4+4\,x^3+48\,x^2+2\,x+1)\ /\ ((x-1)\,(x+1)\,(25\,x^6+x^5+x^4+16\,x^3+x^2+x+25)\,(x^2-x+1)\,(x^2+x+1))$$

Sequence: A040628
Score: 4.94590
Type of gen. func.: ogf

16 15 14 13 12 11 10 9 8 7 6 5

```
- (25 x   + x   + x   + 2 x   + x   + 9 x   + x   + x  + 16 x  + x  + x  + 9 x

        4      3    2             /                    2        4        8
     + x  + 2 x  + x  + x + 25)  /  ((x - 1) (x + 1) (x  + 1) (x  + 1) (x  + 1)
                                /

    )
```

Sequence: A040629
Score: 4.94590
Type of gen. func.: ogf

```
       16     15     14      13      12      11      10       9       8      7
- (25 x   + x   + x   + 2 x   + 5 x   + 3 x   + 2 x   + 8 x  + 10 x  + 8 x

        6      5      4      3    2             /                  2
     + 2 x  + 3 x  + 5 x  + 2 x  + x  + x + 25)  /  ((x - 1) (x + 1) (x  + 1)
                                                /

      4        8
    (x  + 1) (x  + 1))
```

Sequence: A040630
Score: 7.38431
Type of gen. func.: ogf

```
                  10    9    8    7    6      5    4    3    2
              25 x   + x  + x  + x  + x  + 2 x  + x  + x  + x  + x + 25
          - ------------------------------------------------------------
                                 4    3    2            4    3    2
             (x - 1) (x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1)
```

Sequence: A040632
Score: 8.59288
Type of gen. func.: ogf

```
                        8    7    6    5      4    3    2
                    25 x  + x  + x  + x  + 6 x  + x  + x  + x + 25
                  - ----------------------------------------------
                                              2        4
                          (x - 1) (x + 1) (x  + 1) (x  + 1)
```

Sequence: A040633
Score: 10.0445
Type of gen. func.: ogf

```
                          6    5      4       3      2
                      25 x  + x  + 2 x  + 25 x  + 2 x  + x + 25
                    - -----------------------------------------
                                            2            2
                      (x - 1) (x + 1) (x  + x + 1) (x  - x + 1)
```

Sequence: A040633
Score: 6.16535
Type of gen. func.: lgdogf

$$-(x^{10}+4x^9+75x^8+8x^7+5x^6+300x^5+5x^4+8x^3+75x^2+4x+1) / ((x-1)(x+1)(x^2+x+1)(x^2-x+1)(25x^6+x^5+2x^4+25x^3+2x^2+x+25))$$

Sequence: A040634
Score: 10.3308
Type of gen. func.: ogf

$$-\frac{25x^6+x^5+2x^4+4x^3+2x^2+x+25}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A040634
Score: 6.31271
Type of gen. func.: lgdogf

$$-(x^{10}+4x^9+12x^8+8x^7+5x^6+300x^5+5x^4+8x^3+12x^2+4x+1) / ((x-1)(x+1)(x^2+x+1)(x^2-x+1)(25x^6+x^5+2x^4+4x^3+2x^2+x+25))$$

Sequence: A040637
Score: 10.1585
Type of gen. func.: lgdogf

$$-\frac{x^6+4x^5+3x^4+200x^3+3x^2+4x+1}{(x-1)(x+1)(x^2+1)(25x^4+x^3+2x^2+x+25)}$$

Sequence: A040637
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{25 x^{4} + x^{3} + 2 x^{2} + x + 25}{(x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A040637
Score: 8.42294
Type of gen. func.: ogf

$$(6656 f(x) - 165375) (f(x) x^{4} + 25 x^{4} + x^{3} + 2 x^{2} - f(x) + x + 25)$$

Sequence: A040639
Score: 7.38431
Type of gen. func.: ogf

$$-\frac{25 x^{10} + x^{9} + 3 x^{8} + x^{7} + 2 x^{6} + 2 x^{5} + 2 x^{4} + x^{3} + 3 x^{2} + x + 25}{(x - 1) (x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A040640
Score: 4.97347
Type of gen. func.: ogf

$$- (25 x^{16} + x^{15} + 4 x^{14} + 5 x^{13} + x^{12} + x^{11} + 6 x^{10} + x^{9} + 4 x^{8} + x^{7} + 6 x^{6} + x^{5} + x^{4} + 5 x^{3} + 4 x^{2} + x + 25) / ((x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1) (x^{8} + 1))$$

Sequence: A040642
Score: 8.50717
Type of gen. func.: ogf

$$-\frac{25 x^{8} + x^{7} + 5 x^{6} + 2 x^{5} + 12 x^{4} + 2 x^{3} + 5 x^{2} + x + 25}{}$$

$$(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)$$

Sequence: A040645
Score: 7.38431
Type of gen. func.: ogf

$$-\frac{25 x^{10} + x^9 + 9 x^8 + 2 x^7 + x^6 + x^5 + x^4 + 2 x^3 + 9 x^2 + x + 25}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A040646
Score: 12.1271
Type of gen. func.: ogf

$$-\frac{25 x^4 + x^3 + 11 x^2 + x + 25}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040646
Score: 8.00622
Type of gen. func.: ogf

$$(10309 f(x) - 200718) (f(x) x^4 + 25 x^4 + x^3 + 11 x^2 - f(x) + x + 25)$$

Sequence: A040646
Score: 9.49848
Type of gen. func.: lgdogf

$$-\frac{x^6 + 22 x^5 + 3 x^4 + 200 x^3 + 3 x^2 + 22 x + 1}{(x - 1) (x + 1) (x^2 + 1) (25 x^4 + x^3 + 11 x^2 + x + 25)}$$

Sequence: A040648
Score: 12.1271
Type of gen. func.: ogf

$$(25 x^2 + 26 x + 25) (x^2 - x + 1)$$

$$-\frac{}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040648
Score: 8.08471
Type of gen. func.: ogf

$$(6253 f(x) + 178866) (f(x) x^4 + 25 x^4 + x^3 + 24 x^2 - f(x) + x + 25)$$

Sequence: A040648
Score: 9.28012
Type of gen. func.: lgdogf

$$-\frac{x^6 + 48 x^5 + 3 x^4 + 200 x^3 + 3 x^2 + 48 x + 1}{(x - 1) (x + 1) (x^2 + 1) (25 x^2 + 26 x + 25) (x^2 - x + 1)}$$

Sequence: A040649
Score: 12.1271
Type of gen. func.: lgdogf

$$-\frac{x^2 + 100 x + 1}{25 x^4 + x^3 - x - 25}$$

Sequence: A040649
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^2 - 25 x^2 + f(x) - x - 25$$

Sequence: A040649
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{25 x^2 + x + 25}{(x - 1) (x + 1)}$$

Sequence: A040649
Score: 20.1843
Type of gen. func.: lgdogf

$$-\frac{x^2 + 100 x + 1}{(x - 1) (x + 1) (25 x^2 + x + 25)}$$

Sequence: A040649
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 25, a(1) = 1, a(2) = 50\}$$

Sequence: A040650
Score: 10.7497
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1), a(0) = 26, a(1) = 52\}$$

Sequence: A040650
Score: 16.9251
Type of gen. func.: ogf

$$-f(x) x + f(x) - 26 x - 26$$

Sequence: A040650
Score: 20.3969
Type of gen. func.: ogf

$$-\frac{26 (x + 1)}{x - 1}$$

Sequence: A040650
Score: 20.4976
Type of gen. func.: revogf

$$-\frac{x}{52}-1/2+\frac{(x^2+156x+676)^{1/2}}{52}$$

Sequence: A040650
Score: 24.8588
Type of gen. func.: lgdogf

$$\frac{2}{-x^2+1}$$

Sequence: A040650
Score: 37.7338
Type of gen. func.: ogf_with_Euler_transform]

[2 - x]

Sequence: A040650
Score: 55.6363
Type of gen. func.: lgdogf

$$-\frac{2}{(x-1)(x+1)}$$

Sequence: A040651
Score: 12.4294
Type of gen. func.: lgdogf

$$-\frac{x^2+4x+1}{x^4+x^3-x-1}$$

Sequence: A040651
Score: 15.2977
Type of gen. func.: ogf

$$-\frac{26(x^2+x+1)}{(x-1)(x+1)}$$

Sequence: A040651
Score: 22.9091
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4 x + 1}{(x^2 + x + 1) (x - 1) (x + 1)}$$

Sequence: A040651
Score: 31.6964
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + x + 1$$

Sequence: A040651
Score: 9.14346
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 26, a(1) = 26, a(2) = 52\}$$

Sequence: A040651
Score: 9.47002
Type of gen. func.: ogf

$$-(5 f(x) - 117) (f(x) x^2 + 26 x^2 - f(x) + 26 x + 26)$$

Sequence: A040653
Score: 12.4294
Type of gen. func.: lgdogf

$$-\frac{x^2 + 8 x + 1}{2 x^4 + x^3 - x - 2}$$

Sequence: A040653

Score: 14.205
Type of gen. func.: ogf

$$-f(x) x^2 - 26 x^2 + f(x) - 13 x - 26$$

Sequence: A040653
Score: 15.2977
Type of gen. func.: ogf

$$-\frac{13 (2 x^2 + x + 2)}{(x - 1) (x + 1)}$$

Sequence: A040653
Score: 21.6363
Type of gen. func.: lgdogf

$$-\frac{x^2 + 8 x + 1}{(x - 1) (x + 1) (2 x^2 + x + 2)}$$

Sequence: A040653
Score: 9.14346
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 26, a(1) = 13, a(2) = 52\}$$

Sequence: A040655
Score: 7.38431
Type of gen. func.: ogf

$$-\frac{26 x^{10} + 8 x^9 + x^8 + 2 x^7 + 5 x^6 + 2 x^5 + 5 x^4 + 2 x^3 + x^2 + 8 x + 26}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A040657
Score: 8.50717
Type of gen. func.: ogf

$$-\frac{26x^8+6x^7+x^6+x^5+12x^4+x^3+x^2+6x+26}{(x-1)(x+1)(x^2+1)(x^4+1)}$$

Sequence: A040660
Score: 7.15342
Type of gen. func.: ogf

$$-\frac{26x^{10}+4x^9+x^8+2x^7+x^6+16x^5+x^4+2x^3+x^2+4x+26}{(x-1)(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)}$$

Sequence: A040661
Score: 6.36640
Type of gen. func.: ogf

$$-(26x^{12}+4x^{11}+2x^{10}+x^9+5x^8+7x^7+3x^6+7x^5+5x^4+x^3+2x^2+4x+26)\Big/\big((x-1)(x+1)(x^2+x+1)(x^2-x+1)(x^2+1)(x^4-x^2+1)\big)$$

Sequence: A040662
Score: 12.3081
Type of gen. func.: lgdogf

$$-\frac{2x^2+52x+2}{13x^4+2x^3-2x-13}$$

Sequence: A040662
Score: 14.9935
Type of gen. func.: ogf

$$-f(x)x^2-26x^2+f(x)-4x-26$$

Sequence: A040662
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{2\,(13\,x^2+2\,x+13)}{(x-1)\,(x+1)}$$

Sequence: A040662
Score: 18.7761
Type of gen. func.: lgdogf

$$-\frac{2\,(x^2+26\,x+1)}{(x-1)\,(x+1)\,(13\,x^2+2\,x+13)}$$

Sequence: A040662
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+1),\ a(0)=26,\ a(1)=4,\ a(2)=52\}$$

Sequence: A040663
Score: 10.3308
Type of gen. func.: ogf

$$-\frac{26\,x^6+3\,x^5+x^4+2\,x^3+x^2+3\,x+26}{(x-1)\,(x+1)\,(x^2+x+1)\,(x^2-x+1)}$$

Sequence: A040666
Score: 8.26302
Type of gen. func.: ogf

$$-\frac{26\,x^8+3\,x^7+12\,x^6+x^5+4\,x^4+x^3+12\,x^2+3\,x+26}{(x-1)\,(x+1)\,(x^2+1)\,(x^4+1)}$$

Sequence: A040668

Score: 8.50717
Type of gen. func.: ogf

$$-\frac{26 x^{8} + 2 x^{7} + x^{6} + 3 x^{5} + 10 x^{4} + 3 x^{3} + x^{2} + 2 x + 26}{(x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1)}$$

Sequence: A040669
Score: 8.59288
Type of gen. func.: ogf

$$-\frac{26 x^{8} + 2 x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + 2 x + 26}{(x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1)}$$

Sequence: A040670
Score: 12.9087
Type of gen. func.: lgdogf

$$-\frac{x^{4} + 2 x^{3} + 78 x^{2} + 2 x + 1}{(x - 1) (x + 1) (x^{2} + x + 1) (13 x^{2} - 12 x + 13)}$$

Sequence: A040670
Score: 14.3006
Type of gen. func.: ogf

$$-\frac{2 (x + 1) (13 x^{2} - 12 x + 13)}{(x - 1) (x^{2} + x + 1)}$$

Sequence: A040670
Score: 8.60953
Type of gen. func.: ogf

{a(n + 4) - a(n + 1), a(0) = 26, a(1) = 2, a(2) = 2, a(3) = 52}

Sequence: A040670

Score: 9.07241
Type of gen. func.: ogf

$$-(53 f(x) - 1372) (f(x) x^{3} + 26 x^{3} + 2 x^{2} - f(x) + 2 x + 26)$$

Sequence: A040671
Score: 8.01243
Type of gen. func.: ogf

$$- (x + 1) (26 x^{8} - 24 x^{7} + 26 x^{6} - 25 x^{5} + 26 x^{4} - 25 x^{3} + 26 x^{2} - 24 x + 26) \Big/ ((x - 1) (x^{2} + x + 1) (x^{6} + x^{3} + 1))$$

Sequence: A040673
Score: 4.94590
Type of gen. func.: ogf

$$- (26 x^{16} + 2 x^{15} + 5 x^{14} + 2 x^{13} + x^{12} + x^{11} + x^{10} + x^{9} + 12 x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + 2 x^{3} + 5 x^{2} + 2 x + 26) \Big/ ((x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1) (x^{8} + 1))$$

Sequence: A040674
Score: 10.5528
Type of gen. func.: ogf

$$- \frac{2 (x + 1) (13 x^{4} - 12 x^{3} + 17 x^{2} - 12 x + 13)}{(x - 1) (x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A040674
Score: 6.91705
Type of gen. func.: lgdogf

$$- (x^{8} + 10 x^{7} + 15 x^{6} + 4 x^{5} + 130 x^{4} + 4 x^{3} + 15 x^{2} + 10 x + 1) \Big/ ((x - 1)$$

4   3   2   4   3   2

$$(x + 1) (x + x + x + x + 1) (13 x - 12 x + 17 x - 12 x + 13))$$

Sequence: A040675
Score: 12.3081
Type of gen. func.: lgdogf

$$-\frac{x^2 + 52 x + 1}{13 x^4 + x^3 - x - 13}$$

Sequence: A040675
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^2 - 26 x^2 + f(x) - 2 x - 26$$

Sequence: A040675
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{2 (13 x^2 + x + 13)}{(x - 1) (x + 1)}$$

Sequence: A040675
Score: 20.7018
Type of gen. func.: lgdogf

$$-\frac{x^2 + 52 x + 1}{(x - 1) (x + 1) (13 x^2 + x + 13)}$$

Sequence: A040675
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 26, a(1) = 2, a(2) = 52\}$$

Sequence: A040676
Score: 7.01635
Type of gen. func.: ogf

$$-\frac{26 x^{10} + x^{9} + x^{8} + 17 x^{7} + 5 x^{6} + x^{5} + 5 x^{4} + 17 x^{3} + x^{2} + x + 26}{(x - 1) (x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A040677
Score: 8.50717
Type of gen. func.: ogf

$$-\frac{26 x^{8} + x^{7} + x^{6} + 7 x^{5} + 13 x^{4} + 7 x^{3} + x^{2} + x + 26}{(x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1)}$$

Sequence: A040678
Score: 7.15342
Type of gen. func.: ogf

$$-\frac{26 x^{10} + x^{9} + x^{8} + 4 x^{7} + 3 x^{6} + 10 x^{5} + 3 x^{4} + 4 x^{3} + x^{2} + x + 26}{(x - 1) (x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A040679
Score: 8.50717
Type of gen. func.: ogf

$$-\frac{(x^{2} - x + 1) (26 x^{6} + 27 x^{5} + 2 x^{4} - 22 x^{3} + 2 x^{2} + 27 x + 26)}{(x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1)}$$

Sequence: A040680
Score: 8.59288
Type of gen. func.: ogf

$$-\frac{26 x^{8} + x^{7} + x^{6} + 2 x^{5} + 3 x^{4} + 2 x^{3} + x^{2} + x + 26}{\qquad{}^{2}\qquad{}^{4}}$$

$$(x - 1) (x + 1) (x + 1) (x + 1)$$

Sequence: A040681
Score: 6.36640
Type of gen. func.: ogf

$$-\frac{26 x^{12} + x^{11} + x^{10} + x^9 + x^8 + 4 x^7 + 4 x^6 + 4 x^5 + x^4 + x^3 + x^2 + x + 26}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x^4 - x^2 + 1)}$$

Sequence: A040683
Score: 8.59288
Type of gen. func.: ogf

$$-\frac{26 x^8 + x^7 + x^6 + x^5 + 4 x^4 + x^3 + x^2 + x + 26}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A040684
Score: 10.4124
Type of gen. func.: lgdogf

$$-\frac{x^6 + 2 x^5 + 3 x^4 + 208 x^3 + 3 x^2 + 2 x + 1}{(x - 1) (x + 1) (x^2 + 1) (26 x^4 + x^3 + x^2 + x + 26)}$$

Sequence: A040684
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{26 x^4 + x^3 + x^2 + x + 26}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040684
Score: 8.77028
Type of gen. func.: ogf

$$(53 f(x) - 1375) (f(x) x^4 + 26 x^4 + x^3 + x^2 - f(x) + x + 26)$$

Sequence: A040685
Score: 10.3308
Type of gen. func.: ogf

$$-\frac{26 x^6 + x^5 + 2 x^4 + 6 x^3 + 2 x^2 + x + 26}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A040685
Score: 6.31271
Type of gen. func.: lgdogf

$$- (x^{10} + 4 x^9 + 18 x^8 + 8 x^7 + 5 x^6 + 312 x^5 + 5 x^4 + 8 x^3 + 18 x^2 + 4 x + 1) \Big/ ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (26 x^6 + x^5 + 2 x^4 + 6 x^3 + 2 x^2 + x + 26))$$

Sequence: A040687
Score: 7.38431
Type of gen. func.: ogf

$$-\frac{26 x^{10} + x^9 + 2 x^8 + x^7 + x^6 + 2 x^5 + x^4 + x^3 + 2 x^2 + x + 26}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A040688
Score: 7.38431
Type of gen. func.: ogf

$$-\frac{26 x^{10} + x^9 + 2 x^8 + x^7 + 5 x^6 + 5 x^5 + 5 x^4 + x^3 + 2 x^2 + x + 26}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A040690
Score: 6.14586
Type of gen. func.: ogf

$$- (26 x^{12} + x^{11} + 3 x^{10} + 2 x^{9} + 12 x^{8} + x^{7} + 16 x^{6} + x^{5} + 12 x^{4} + 2 x^{3} + 3 x^{2} + x + 26) / ((x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1))$$

Sequence: A040693
Score: 10.1585
Type of gen. func.: lgdogf

$$- \frac{x^{6} + 8 x^{5} + 3 x^{4} + 208 x^{3} + 3 x^{2} + 8 x + 1}{(x - 1) (x + 1) (x^{2} + 1) (26 x^{4} + x^{3} + 4 x^{2} + x + 26)}$$

Sequence: A040693
Score: 12.6973
Type of gen. func.: ogf

$$- \frac{26 x^{4} + x^{3} + 4 x^{2} + x + 26}{(x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A040693
Score: 8.10207
Type of gen. func.: ogf

$$-(7168 f(x) - 182439) (f(x) x^{4} + 26 x^{4} + x^{3} + 4 x^{2} - f(x) + x + 26)$$

Sequence: A040696
Score: 12.6973
Type of gen. func.: ogf

$$- \frac{26 x^{4} + x^{3} + 7 x^{2} + x + 26}{(x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A040696
Score: 8.34036
Type of gen. func.: ogf

$$(13275 f(x) - 321043) (f(x) x^4 + 26 x^4 + x^3 + 7 x^2 - f(x) + x + 26)$$

Sequence: A040696
Score: 9.91660
Type of gen. func.: lgdogf

$$- \frac{x^6 + 14 x^5 + 3 x^4 + 208 x^3 + 3 x^2 + 14 x + 1}{(x - 1) (x + 1) (x^2 + 1) (26 x^4 + x^3 + 7 x^2 + x + 26)}$$

Sequence: A040698
Score: 6.11644
Type of gen. func.: lgdogf

$$- (x^{10} + 24 x^9 + 6 x^8 + 48 x^7 + 5 x^6 + 312 x^5 + 5 x^4 + 48 x^3 + 6 x^2 + 24 x + 1) / ((x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (26 x^4 + x^3 - 14 x^2 + x + 26))$$

Sequence: A040698
Score: 9.70166
Type of gen. func.: ogf

$$- \frac{(x^2 + 1) (26 x^4 + x^3 - 14 x^2 + x + 26)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A040699
Score: 12.1271
Type of gen. func.: ogf

$$-\frac{26 x^4 + x^3 + 16 x^2 + x + 26}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040699
Score: 8.16475
Type of gen. func.: ogf

$$(4896 f(x) - 59675) (f(x) x^4 + 26 x^4 + x^3 + 16 x^2 - f(x) + x + 26)$$

Sequence: A040699
Score: 9.49848
Type of gen. func.: lgdogf

$$-\frac{x^6 + 32 x^5 + 3 x^4 + 208 x^3 + 3 x^2 + 32 x + 1}{(x - 1) (x + 1) (x^2 + 1) (26 x^4 + x^3 + 16 x^2 + x + 26)}$$

Sequence: A040700
Score: 12.1271
Type of gen. func.: ogf

$$-\frac{(26 x^2 + 27 x + 26) (x^2 - x + 1)}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040700
Score: 8.08471
Type of gen. func.: ogf

$$(6237 f(x) + 187625) (f(x) x^4 + 26 x^4 + x^3 + 25 x^2 - f(x) + x + 26)$$

Sequence: A040700
Score: 9.28012
Type of gen. func.: lgdogf

$$x^6 + 50 x^5 + 3 x^4 + 208 x^3 + 3 x^2 + 50 x + 1$$

$$-\frac{}{(x-1)(x+1)(26x^2+27x+26)(x^2-x+1)(x^2+1)}$$

Sequence: A040701
Score: 12.1271
Type of gen. func.: lgdogf

$$-\frac{x^2+104x+1}{26x^4+x^3-x-26}$$

Sequence: A040701
Score: 14.9935
Type of gen. func.: ogf

$$-f(x)x^2-26x^2+f(x)-x-26$$

Sequence: A040701
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{26x^2+x+26}{(x-1)(x+1)}$$

Sequence: A040701
Score: 20.1843
Type of gen. func.: lgdogf

$$-\frac{x^2+104x+1}{(x-1)(x+1)(26x^2+x+26)}$$

Sequence: A040701
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+1),\ a(0)=26,\ a(1)=1,\ a(2)=52\}$$

Sequence: A040702
Score: 10.7497
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1), a(0) = 27, a(1) = 54\}$$

Sequence: A040702
Score: 16.9251
Type of gen. func.: ogf

$$-f(x) x + f(x) - 27 x - 27$$

Sequence: A040702
Score: 20.3969
Type of gen. func.: ogf

$$- \frac{27 (x + 1)}{x - 1}$$

Sequence: A040702
Score: 20.4976
Type of gen. func.: revogf

$$- 1/2 - \frac{x}{54} + \frac{(x^2 + 162 x + 729)^{1/2}}{54}$$

Sequence: A040702
Score: 24.8588
Type of gen. func.: lgdogf

$$\frac{2}{-x^2 + 1}$$

Sequence: A040702
Score: 37.7338
Type of gen. func.: ogf_with_Euler_transform]

$$[2-x]$$

Sequence: A040702
Score: 55.6363
Type of gen. func.: lgdogf

$$-\frac{2}{(x-1)\,(x+1)}$$

Sequence: A040703
Score: 12.4294
Type of gen. func.: lgdogf

$$-\frac{x^{2}+4\,x+1}{x^{4}+x^{3}-x-1}$$

Sequence: A040703
Score: 15.2977
Type of gen. func.: ogf

$$-\frac{27\,(x^{2}+x+1)}{(x-1)\,(x+1)}$$

Sequence: A040703
Score: 22.9091
Type of gen. func.: lgdogf

$$-\frac{x^{2}+4\,x+1}{(x^{2}+x+1)\,(x-1)\,(x+1)}$$

Sequence: A040703
Score: 31.6964
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{2}+x+1$$

Sequence: A040703
Score: 9.14346
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 27, a(1) = 27, a(2) = 54\}$$

Sequence: A040703
Score: 9.58412
Type of gen. func.: ogf

$$-(4 f(x) - 81) (f(x) x^2 + 27 x^2 - f(x) + 27 x + 27)$$

Sequence: A040704
Score: 12.2382
Type of gen. func.: lgdogf

$$- \frac{2 x^2 + 12 x + 2}{3 x^4 + 2 x^3 - 2 x - 3}$$

Sequence: A040704
Score: 14.205
Type of gen. func.: ogf

$$-f(x) x^2 - 27 x^2 + f(x) - 18 x - 27$$

Sequence: A040704
Score: 15.2977
Type of gen. func.: ogf

$$- \frac{9 (3 x^2 + 2 x + 3)}{(x - 1) (x + 1)}$$

Sequence: A040704
Score: 19.4727

Type of gen. func.: lgdogf

$$-\frac{2\,(x^2+6\,x+1)}{(x-1)\,(x+1)\,(3\,x^2+2\,x+3)}$$

Sequence: A040704
Score: 9.14346
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+1),\ a(0)=27,\ a(1)=18,\ a(2)=54\}$$

Sequence: A040705
Score: 10.6084
Type of gen. func.: ogf

$$-\frac{(x+1)\,(27\,x^4-14\,x^3+15\,x^2-14\,x+27)}{(x-1)\,(x^4+x^3+x^2+x+1)}$$

Sequence: A040705
Score: 6.83536
Type of gen. func.: lgdogf

$$-(13\,x^8+2\,x^7+3\,x^6+52\,x^5+270\,x^4+52\,x^3+3\,x^2+2\,x+13)\Big/((x-1)\,(x+1)\,(x^4+x^3+x^2+x+1)\,(27\,x^4-14\,x^3+15\,x^2-14\,x+27))$$

Sequence: A040706
Score: 6.03323
Type of gen. func.: ogf

$$-(27\,x^{12}+10\,x^{11}+x^{10}+4\,x^9+x^8+x^7+26\,x^6+x^5+x^4+4\,x^3+x^2+10\,x+27)\Big/((x-1)\,(x+1)\,(x^2+x+1)\,(x^2-x+1)\,(x^2+1)\,(x^4-x^2+1))$$

Sequence: A040707
Score: 12.6868
Type of gen. func.: lgdogf

$$-\frac{x^2 + 12 x + 1}{3 x^4 + x^3 - x - 3}$$

Sequence: A040707
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^2 - 27 x^2 + f(x) - 9 x - 27$$

Sequence: A040707
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{9 (3 x^2 + x + 3)}{(x - 1) (x + 1)}$$

Sequence: A040707
Score: 21.8208
Type of gen. func.: lgdogf

$$-\frac{x^2 + 12 x + 1}{(x - 1) (x + 1) (3 x^2 + x + 3)}$$

Sequence: A040707
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 27, a(1) = 9, a(2) = 54\}$$

Sequence: A040708

Score: 8.59288
Type of gen. func.: ogf

$$-\frac{27 x^8 + 7 x^7 + x^6 + 2 x^5 + x^4 + 2 x^3 + x^2 + 7 x + 27}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A040710
Score: 12.6868
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 36 x + 2}{9 x^4 + 2 x^3 - 2 x - 9}$$

Sequence: A040710
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^2 - 27 x^2 + f(x) - 6 x - 27$$

Sequence: A040710
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{3 (9 x^2 + 2 x + 9)}{(x - 1) (x + 1)}$$

Sequence: A040710
Score: 19.6920
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + 18 x + 1)}{(x - 1) (x + 1) (9 x^2 + 2 x + 9)}$$

Sequence: A040710

Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 27, a(1) = 6, a(2) = 54\}$$

Sequence: A040712
Score: 10.0445
Type of gen. func.: ogf

$$-\frac{27 x^6 + 4 x^5 + x^4 + 12 x^3 + x^2 + 4 x + 27}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A040713
Score: 6.93443
Type of gen. func.: ogf

$$-\frac{27 x^{10} + 4 x^9 + x^8 + x^7 + 13 x^6 + 18 x^5 + 13 x^4 + x^3 + x^2 + 4 x + 27}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A040715
Score: 8.50717
Type of gen. func.: ogf

$$-\frac{(x^2 - x + 1) (27 x^6 + 30 x^5 + 4 x^4 - 19 x^3 + 4 x^2 + 30 x + 27)}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A040716
Score: 7.38431
Type of gen. func.: ogf

$$-\frac{27 x^{10} + 3 x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + 3 x + 27}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A040719

Score: 12.6868
Type of gen. func.: lgdogf

$$-\frac{x^2 + 36 x + 1}{9 x^4 + x^3 - x - 9}$$

Sequence: A040719
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{3 (9 x^2 + x + 9)}{(x - 1) (x + 1)}$$

Sequence: A040719
Score: 21.8208
Type of gen. func.: lgdogf

$$-\frac{x^2 + 36 x + 1}{(x - 1) (x + 1) (9 x^2 + x + 9)}$$

Sequence: A040719
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 27, a(1) = 3, a(2) = 54\}$$

Sequence: A040719
Score: 9.81715
Type of gen. func.: ogf

$$(1950 f(x) - 52649) (f(x) x^2 + 27 x^2 - f(x) + 3 x + 27)$$

Sequence: A040720
Score: 6.30482
Type of gen. func.: ogf

$$-(27 x^{12} + 2 x^{11} + x^{10} + 6 x^{9} + 5 x^{8} + x^{7} + 12 x^{6} + x^{5} + 5 x^{4} + 6 x^{3} + x^{2} + 2 x + 27) / ((x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1))$$

Sequence: A040722
Score: 4.97347
Type of gen. func.: ogf

$$-(27 x^{16} + 2 x^{15} + x^{14} + x^{13} + 2 x^{12} + 3 x^{11} + x^{10} + x^{9} + 8 x^{8} + x^{7} + x^{6} + 3 x^{5} + 2 x^{4} + x^{3} + x^{2} + 2 x + 27) / ((x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1) (x^{8} + 1))$$

Sequence: A040724
Score: 8.59288
Type of gen. func.: ogf

$$-\frac{27 x^{8} + 2 x^{7} + 2 x^{6} + x^{5} + 2 x^{4} + x^{3} + 2 x^{2} + 2 x + 27}{(x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1)}$$

Sequence: A040726
Score: 8.01243
Type of gen. func.: ogf

$$-(x + 1) (27 x^{8} - 25 x^{7} + 30 x^{6} - 29 x^{5} + 30 x^{4} - 29 x^{3} + 30 x^{2} - 25 x + 27) / ((x - 1) (x^{2} + x + 1) (x^{6} + x^{3} + 1))$$

Sequence: A040727
Score: 12.1271
Type of gen. func.: ogf

$$27 x^{4} + 2 x^{3} + 10 x^{2} + 2 x + 27$$

$$- \frac{}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040727
Score: 8.16475
Type of gen. func.: ogf

$$(1936 f(x) - 44625) (f(x) x^4 + 27 x^4 + 2 x^3 + 10 x^2 - f(x) + 2 x + 27)$$

Sequence: A040727
Score: 8.87220
Type of gen. func.: lgdogf

$$- \frac{2 (x^6 + 10 x^5 + 3 x^4 + 108 x^3 + 3 x^2 + 10 x + 1)}{(x - 1) (x + 1) (x^2 + 1) (27 x^4 + 2 x^3 + 10 x^2 + 2 x + 27)}$$

Sequence: A040728
Score: 12.1271
Type of gen. func.: lgdogf

$$- \frac{2 x^2 + 108 x + 2}{27 x^4 + 2 x^3 - 2 x - 27}$$

Sequence: A040728
Score: 16.1694
Type of gen. func.: ogf

$$- \frac{27 x^2 + 2 x + 27}{(x - 1) (x + 1)}$$

Sequence: A040728
Score: 18.7761
Type of gen. func.: lgdogf

$$2 (x^2 + 54 x + 1)$$

```
                         - ----------------------------------
                                                   2
                           (x - 1) (x + 1) (27 x  + 2 x + 27)



--------------------------------------------------------------------------------

Sequence:  A040728
Score: 9.58885
Type of gen. func.: ogf


             {-a(n + 3) + a(n + 1), a(0) = 27, a(1) = 2, a(2) = 54}



--------------------------------------------------------------------------------

Sequence:  A040728
Score: 9.70165
Type of gen. func.: ogf


                                              2       2
            (9855 f(x) - 266084) (f(x) x  + 27 x  - f(x) + 2 x + 27)



--------------------------------------------------------------------------------

Sequence:  A040729
Score: 6.54123
Type of gen. func.: ogf


                 10        9        8        7       6      5       4       3
- (x + 1) (27 x   - 26 x  + 27 x  - 10 x  + 11 x  - 6 x  + 11 x  - 10 x

             2                /
     + 27 x  - 26 x + 27)  /  ((x - 1)
                             /

      10    9    8    7    6    5    4    3    2
    (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1))



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Sequence:  A040731
Score: 10.3308
Type of gen. func.: ogf


                             6    5    4      3    2
                         27 x  + x  + x  + 4 x  + x  + x + 27
                     - ----------------------------------------
                                             2            2
                       (x - 1) (x + 1) (x  + x + 1) (x  - x + 1)



--------------------------------------------------------------------------------

Sequence:  A040731
Score: 6.50846
Type of gen. func.: lgdogf


    10      9       8      7      6        5      4      3       2
```

```
- (x   + 2 x  + 12 x  + 4 x  + 5 x  + 324 x  + 5 x  + 4 x  + 12 x  + 2 x + 1)

       /                     2            2
      /  ((x - 1) (x + 1) (x  + x + 1) (x  - x + 1)
     /

         6    5    4      3    2
    (27 x  + x  + x  + 4 x  + x  + x + 27))
```

Sequence: A040732
Score: 7.38431
Type of gen. func.: ogf

$$-\frac{27 x^{10} + x^{9} + x^{8} + 3 x^{7} + 5 x^{6} + x^{5} + 5 x^{4} + 3 x^{3} + x^{2} + x + 27}{(x - 1) (x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A040733
Score: 9.32443
Type of gen. func.: ogf

$$-\frac{(x + 1) (27 x^{6} - 26 x^{5} + 27 x^{4} - 25 x^{3} + 27 x^{2} - 26 x + 27)}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)}$$

Sequence: A040734
Score: 7.38431
Type of gen. func.: ogf

$$-\frac{27 x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + 8 x^{5} + x^{4} + x^{3} + x^{2} + x + 27}{(x - 1) (x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A040737
Score: 7.11000
Type of gen. func.: ogf

$$-\frac{27 x^{10} + x^{9} + x^{8} + x^{7} + 13 x^{6} + 6 x^{5} + 13 x^{4} + x^{3} + x^{2} + x + 27}{(x - 1) (x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A040739
Score: 6.36640
Type of gen. func.: ogf

$$-(27 x^{12} + x^{11} + 2 x^{10} + 3 x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + 3 x^{3} + 2 x^{2} + x + 27) / ((x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1))$$

Sequence: A040740
Score: 8.50717
Type of gen. func.: ogf

$$-\frac{27 x^{8} + x^{7} + 2 x^{6} + 2 x^{5} + 13 x^{4} + 2 x^{3} + 2 x^{2} + x + 27}{(x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1)}$$

Sequence: A040742
Score: 10.1585
Type of gen. func.: lgdogf

$$-\frac{x^{6} + 4 x^{5} + 3 x^{4} + 216 x^{3} + 3 x^{2} + 4 x + 1}{(x - 1) (x + 1) (x^{2} + 1) (27 x^{4} + x^{3} + 2 x^{2} + x + 27)}$$

Sequence: A040742
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{27 x^{4} + x^{3} + 2 x^{2} + x + 27}{(x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A040742
Score: 8.34036
Type of gen. func.: ogf

$$(10816 f(x) - 290493) (f(x) x^{4} + 27 x^{4} + x^{3} + 2 x^{2} - f(x) + x + 27)$$

Sequence: A040745
Score: 6.54123
Type of gen. func.: ogf

$$-(x+1)(27x^{10}-26x^{9}+30x^{8}-17x^{7}+18x^{6}-16x^{5}+18x^{4}-17x^{3}+30x^{2}-26x+27) \Big/ \left((x-1)(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)\right)$$

Sequence: A040746
Score: 7.38431
Type of gen. func.: ogf

$$-\frac{27x^{10}+x^{9}+4x^{8}+x^{7}+x^{6}+2x^{5}+x^{4}+x^{3}+4x^{2}+x+27}{(x-1)(x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)}$$

Sequence: A040747
Score: 6.36640
Type of gen. func.: ogf

$$-(27x^{12}+x^{11}+5x^{10}+4x^{9}+x^{8}+8x^{7}+2x^{6}+8x^{5}+x^{4}+4x^{3}+5x^{2}+x+27) \Big/ \left((x-1)(x+1)(x^{2}+x+1)(x^{2}-x+1)(x^{2}+1)(x^{4}-x^{2}+1)\right)$$

Sequence: A040748
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{27x^{4}+x^{3}+5x^{2}+x+27}{(x-1)(x+1)(x^{2}+1)}$$

Sequence: A040748
Score: 7.87701
Type of gen. func.: ogf

$$-(141659 f(x) - 3706482) (f(x) x^4 + 27 x^4 + x^3 + 5 x^2 - f(x) + x + 27)$$

Sequence: A040748
Score: 9.91660
Type of gen. func.: lgdogf

$$- \frac{x^6 + 10 x^5 + 3 x^4 + 216 x^3 + 3 x^2 + 10 x + 1}{(x - 1) (x + 1) (27 x^4 + x^3 + 5 x^2 + x + 27) (x^2 + 1)}$$

Sequence: A040749
Score: 12.6973
Type of gen. func.: ogf

$$- \frac{27 x^4 + x^3 + 6 x^2 + x + 27}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040749
Score: 7.95062
Type of gen. func.: ogf

$$-(69120 f(x) - 1780919) (f(x) x^4 + 27 x^4 + x^3 + 6 x^2 - f(x) + x + 27)$$

Sequence: A040749
Score: 9.91660
Type of gen. func.: lgdogf

$$- \frac{x^6 + 12 x^5 + 3 x^4 + 216 x^3 + 3 x^2 + 12 x + 1}{(x - 1) (x + 1) (x^2 + 1) (27 x^4 + x^3 + 6 x^2 + x + 27)}$$

Sequence: A040751

Score: 6.89812
Type of gen. func.: ogf

$$-\frac{27 x^{10} + x^{9} + 10 x^{8} + 5 x^{7} + 2 x^{6} + 27 x^{5} + 2 x^{4} + 5 x^{3} + 10 x^{2} + x + 27}{(x - 1) (x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A040752
Score: 12.1271
Type of gen. func.: ogf

$$-\frac{27 x^{4} + x^{3} + 12 x^{2} + x + 27}{(x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A040752
Score: 8.00622
Type of gen. func.: ogf

$$(14553 f(x) - 303824) (f(x) x^{4} + 27 x^{4} + x^{3} + 12 x^{2} - f(x) + x + 27)$$

Sequence: A040752
Score: 9.49848
Type of gen. func.: lgdogf

$$-\frac{x^{6} + 24 x^{5} + 3 x^{4} + 216 x^{3} + 3 x^{2} + 24 x + 1}{(x - 1) (x + 1) (x^{2} + 1) (27 x^{4} + x^{3} + 12 x^{2} + x + 27)}$$

Sequence: A040754
Score: 12.1271
Type of gen. func.: ogf

$$-\frac{(27 x^{2} + 28 x + 27) (x^{2} - x + 1)}{(x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A040754
Score: 8.00622
Type of gen. func.: ogf

$$(31360 f(x) + 989781) (f(x) x^4 + 27 x^4 + x^3 + 26 x^2 - f(x) + x + 27)$$

Sequence: A040754
Score: 9.28012
Type of gen. func.: lgdogf

$$- \frac{x^6 + 52 x^5 + 3 x^4 + 216 x^3 + 3 x^2 + 52 x + 1}{(x - 1) (x + 1) (x^2 + 1) (27 x^2 + 28 x + 27) (x^2 - x + 1)}$$

Sequence: A040755
Score: 12.1271
Type of gen. func.: lgdogf

$$- \frac{x^2 + 108 x + 1}{27 x^4 + x^3 - x - 27}$$

Sequence: A040755
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^2 - 27 x^2 + f(x) - x - 27$$

Sequence: A040755
Score: 16.1694
Type of gen. func.: ogf

$$- \frac{27 x^2 + x + 27}{(x - 1) (x + 1)}$$

Sequence: A040755
Score: 20.1843
Type of gen. func.: lgdogf

$$-\frac{x^2 + 108 x + 1}{(x - 1) (x + 1) (27 x^2 + x + 27)}$$

Sequence: A040755
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 27, a(1) = 1, a(2) = 54\}$$

Sequence: A040756
Score: 10.7497
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1), a(0) = 28, a(1) = 56\}$$

Sequence: A040756
Score: 16.9251
Type of gen. func.: ogf

$$-f(x) x + f(x) - 28 x - 28$$

Sequence: A040756
Score: 20.3969
Type of gen. func.: ogf

$$-\frac{28 (x + 1)}{x - 1}$$

Sequence: A040756
Score: 20.4976
Type of gen. func.: revogf

$$-\frac{x}{56} - 1/2 + \frac{(x^2 + 168 x + 784)^{1/2}}{56}$$

Sequence: A040756
Score: 24.8588
Type of gen. func.: lgdogf

$$\frac{2}{-x^{2} + 1}$$

Sequence: A040756
Score: 37.7338
Type of gen. func.: ogf_with_Euler_transform]

$$[2 - x]$$

Sequence: A040756
Score: 55.6363
Type of gen. func.: lgdogf

$$- \frac{2}{(x - 1)\ (x + 1)}$$

Sequence: A040757
Score: 12.4294
Type of gen. func.: lgdogf

$$- \frac{x^{2} + 4\ x + 1}{x^{4} + x^{3} - x - 1}$$

Sequence: A040757
Score: 15.2977
Type of gen. func.: ogf

$$- \frac{28\ (x^{2} + x + 1)}{(x - 1)\ (x + 1)}$$

Sequence: A040757
Score: 22.9091
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4 x + 1}{(x^2 + x + 1) (x - 1) (x + 1)}$$

Sequence: A040757
Score: 31.6964
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + x + 1$$

Sequence: A040757
Score: 9.14346
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 28, a(1) = 28, a(2) = 56\}$$

Sequence: A040757
Score: 9.47002
Type of gen. func.: ogf

$$-(5 f(x) - 126) (f(x) x^2 + 28 x^2 - f(x) + 28 x + 28)$$

Sequence: A040759
Score: 12.4294
Type of gen. func.: lgdogf

$$-\frac{x^2 + 8 x + 1}{2 x^4 + x^3 - x - 2}$$

Sequence: A040759
Score: 14.205
Type of gen. func.: ogf

$$-f(x) x^2 - 28 x^2 + f(x) - 14 x - 28$$

Sequence: A040759
Score: 15.2977
Type of gen. func.: ogf

$$-\frac{14\,(2\,x^{2}+x+2)}{(x-1)\,(x+1)}$$

Sequence: A040759
Score: 21.6363
Type of gen. func.: lgdogf

$$-\frac{x^{2}+8\,x+1}{(x-1)\,(x+1)\,(2\,x^{2}+x+2)}$$

Sequence: A040759
Score: 9.14346
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+1),\ a(0)=28,\ a(1)=14,\ a(2)=56\}$$

Sequence: A040762
Score: 12.6868
Type of gen. func.: lgdogf

$$-\frac{2\,x^{2}+28\,x+2}{7\,x^{4}+2\,x^{3}-2\,x-7}$$

Sequence: A040762
Score: 14.9935
Type of gen. func.: ogf

$$-f(x)\,x^{2}-28\,x^{2}+f(x)-8\,x-28$$

Sequence: A040762

Score: 16.1694
Type of gen. func.: ogf

$$-\frac{4\,(7\,x^2 + 2\,x + 7)}{(x - 1)\,(x + 1)}$$

Sequence: A040762
Score: 19.6920
Type of gen. func.: lgdogf

$$-\frac{2\,(x^2 + 14\,x + 1)}{(x - 1)\,(x + 1)\,(7\,x^2 + 2\,x + 7)}$$

Sequence: A040762
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 28, a(1) = 8, a(2) = 56\}$$

Sequence: A040763
Score: 12.6868
Type of gen. func.: lgdogf

$$-\frac{x^2 + 16\,x + 1}{4\,x^4 + x^3 - x - 4}$$

Sequence: A040763
Score: 14.9935
Type of gen. func.: ogf

$$-f(x)\,x^2 - 28\,x^2 + f(x) - 7\,x - 28$$

Sequence: A040763
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{7\,(4\,x^2 + x + 4)}{(x - 1)\,(x + 1)}$$

Sequence: A040763
Score: 21.8208
Type of gen. func.: lgdogf

$$-\frac{x^2 + 16\,x + 1}{(x - 1)\,(x + 1)\,(4\,x^2 + x + 4)}$$

Sequence: A040763
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1),\ a(0) = 28,\ a(1) = 7,\ a(2) = 56\}$$

Sequence: A040764
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{2\,(14\,x^4 + 3\,x^3 + 2\,x^2 + 3\,x + 14)}{(x - 1)\,(x + 1)\,(x^2 + 1)}$$

Sequence: A040764
Score: 8.5931
Type of gen. func.: ogf

$$(845\,f(x) - 22644)\,(f(x)\,x^4 + 28\,x^4 + 6\,x^3 + 4\,x^2 - f(x) + 6\,x + 28)$$

Sequence: A040764
Score: 9.46584
Type of gen. func.: lgdogf

$$-\frac{3\,x^6 + 4\,x^5 + 9\,x^4 + 112\,x^3 + 9\,x^2 + 4\,x + 3}{{}^{2}\qquad{}^{4}\quad{}^{3}\quad{}^{2}}$$

$$(x - 1) (x + 1) (x + 1) (14 x + 3 x + 2 x + 3 x + 14)$$

Sequence: A040765
Score: 6.85686
Type of gen. func.: ogf

$$- (x + 1) (28 x^{10} - 23 x^{9} + 24 x^{8} - 23 x^{7} + 24 x^{6} - 23 x^{5} + 24 x^{4} - 23 x^{3} + 24 x^{2} - 23 x + 28) / ((x - 1) (x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1))$$

Sequence: A040766
Score: 12.6973
Type of gen. func.: ogf

$$- \frac{28 x^{4} + 5 x^{3} + 9 x^{2} + 5 x + 28}{(x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A040766
Score: 8.02563
Type of gen. func.: ogf

$$-(28717 f(x) - 713625) (f(x) x^{4} + 28 x^{4} + 5 x^{3} + 9 x^{2} - f(x) + 5 x + 28)$$

Sequence: A040766
Score: 9.05428
Type of gen. func.: lgdogf

$$- \frac{5 x^{6} + 18 x^{5} + 15 x^{4} + 224 x^{3} + 15 x^{2} + 18 x + 5}{(x - 1) (x + 1) (x^{2} + 1) (28 x^{4} + 5 x^{3} + 9 x^{2} + 5 x + 28)}$$

Sequence: A040768
Score: 6.54123
Type of gen. func.: ogf

$$- (x + 1) (28 x^{10} - 24 x^9 + 27 x^8 - 14 x^7 + 15 x^6 - 11 x^5 + 15 x^4 - 14 x^3 + 27 x^2 - 24 x + 28) / ((x - 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1))$$

Sequence: A040769
Score: 12.6868
Type of gen. func.: lgdogf

$$- \frac{x^2 + 28 x + 1}{7 x^4 + x^3 - x - 7}$$

Sequence: A040769
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^2 - 28 x^2 + f(x) - 4 x - 28$$

Sequence: A040769
Score: 16.1694
Type of gen. func.: ogf

$$- \frac{4 (7 x^2 + x + 7)}{(x - 1) (x + 1)}$$

Sequence: A040769
Score: 21.8208
Type of gen. func.: lgdogf

$$- \frac{x^2 + 28 x + 1}{(x - 1) (x + 1) (7 x^2 + x + 7)}$$

Sequence: A040769
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+1),\ a(0)=28,\ a(1)=4,\ a(2)=56\}$$

Sequence: A040770
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{28x^4+3x^3+x^2+3x+28}{(x-1)(x+1)(x^2+1)}$$

Sequence: A040770
Score: 8.25939
Type of gen. func.: ogf

$$(57475 f(x) - 1594719) (f(x) x^4 + 28 x^4 + 3 x^3 + x^2 - f(x) + 3 x + 28)$$

Sequence: A040770
Score: 9.68598
Type of gen. func.: lgdogf

$$-\frac{3x^6+2x^5+9x^4+224x^3+9x^2+2x+3}{(x-1)(x+1)(x^2+1)(28x^4+3x^3+x^2+3x+28)}$$

Sequence: A040771
Score: 8.50717
Type of gen. func.: ogf

$$-\frac{28x^8+3x^7+x^6+x^5+13x^4+x^3+x^2+3x+28}{(x-1)(x+1)(x^2+1)(x^4+1)}$$

Sequence: A040773
Score: 6.30482
Type of gen. func.: ogf

$$-(28x^{12}+3x^{11}+7x^{10}+x^{9}+3x^{8}+6x^{7}+28x^{6}+6x^{5}+3x^{4}+x^{3}+7x^{2}+3x+28)\Big/\left((x-1)(x+1)(x^{2}+x+1)(x^{2}-x+1)(x^{2}+1)(x^{4}-x^{2}+1)\right)$$

Sequence: A040774
Score: 10.0445
Type of gen. func.: ogf

$$-\frac{28x^{6}+2x^{5}+x^{4}+27x^{3}+x^{2}+2x+28}{(x-1)(x+1)(x^{2}+x+1)(x^{2}-x+1)}$$

Sequence: A040775
Score: 7.15342
Type of gen. func.: ogf

$$-\frac{28x^{10}+2x^{9}+x^{8}+4x^{7}+2x^{6}+18x^{5}+2x^{4}+4x^{3}+x^{2}+2x+28}{(x-1)(x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)}$$

Sequence: A040781
Score: 8.59288
Type of gen. func.: ogf

$$-\frac{28x^{8}+2x^{7}+5x^{6}+x^{5}+4x^{4}+x^{3}+5x^{2}+2x+28}{(x-1)(x+1)(x^{2}+1)(x^{4}+1)}$$

Sequence: A040783
Score: 12.3081
Type of gen. func.: lgdogf

$$-\frac{x^{2}+56x+1}{14x^{4}+x^{3}-x-14}$$

Sequence: A040783
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^2 - 28 x^2 + f(x) - 2 x - 28$$

Sequence: A040783
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{2 (14 x^2 + x + 14)}{(x - 1) (x + 1)}$$

Sequence: A040783
Score: 20.7018
Type of gen. func.: lgdogf

$$-\frac{x^2 + 56 x + 1}{(x - 1) (x + 1) (14 x^2 + x + 14)}$$

Sequence: A040783
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 28, a(1) = 2, a(2) = 56\}$$

Sequence: A040784
Score: 10.0445
Type of gen. func.: ogf

$$-\frac{28 x^6 + x^5 + x^4 + 18 x^3 + x^2 + x + 28}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A040784
Score: 6.35505
Type of gen. func.: lgdogf

$$-(x^{10} + 2 x^9 + 54 x^8 + 4 x^7 + 5 x^6 + 336 x^5 + 5 x^4 + 4 x^3 + 54 x^2 + 2 x + 1) / ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (28 x^6 + x^5 + x^4 + 18 x^3 + x^2 + x + 28))$$

Sequence: A040786
Score: 6.36640
Type of gen. func.: ogf

$$-(28 x^{12} + x^{11} + x^{10} + 4 x^9 + x^8 + 2 x^7 + 5 x^6 + 2 x^5 + x^4 + 4 x^3 + x^2 + x + 28) / ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x^4 - x^2 + 1))$$

Sequence: A040787
Score: 8.59288
Type of gen. func.: ogf

$$-\frac{28 x^8 + x^7 + x^6 + 3 x^5 + 3 x^4 + 3 x^3 + x^2 + x + 28}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A040788
Score: 10.3308
Type of gen. func.: ogf

$$-\frac{(28 x^4 + x^3 - 27 x^2 + x + 28) (x^2 + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A040788
Score: 6.55931

Type of gen. func.: lgdogf

$$-(x^{10}+2x^{9}+6x^{8}+4x^{7}+5x^{6}+336x^{5}+5x^{4}+4x^{3}+6x^{2}+2x+1) \Big/ ((x-1)(x+1)(x^{2}+1)(x^{2}+x+1)(x^{2}-x+1)(28x^{4}+x^{3}-27x^{2}+x+28))$$

Sequence: A040789
Score: 11.2547
Type of gen. func.: ogf

$$-\frac{(x+1)(28x^{4}-27x^{3}+28x^{2}-27x+28)}{(x-1)(x^{4}+x^{3}+x^{2}+x+1)}$$

Sequence: A040789
Score: 7.44444
Type of gen. func.: lgdogf

$$-(x^{8}+2x^{7}+3x^{6}+4x^{5}+280x^{4}+4x^{3}+3x^{2}+2x+1) \Big/ ((x-1)(x+1)(x^{4}+x^{3}+x^{2}+x+1)(28x^{4}-27x^{3}+28x^{2}-27x+28))$$

Sequence: A040790
Score: 7.38431
Type of gen. func.: ogf

$$-\frac{28x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+28}{(x-1)(x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)}$$

Sequence: A040791
Score: 6.30482
Type of gen. func.: ogf

$$-(28x^{12}+x^{11}+x^{10}+x^{9}+2x^{8}+x^{7}+10x^{6}+x^{5}+2x^{4}+x^{3}+x^{2}+x+28)$$

$$/ \left((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x^4 - x^2 + 1)\right)$$

Sequence: A040793
Score: 10.0445
Type of gen. func.: ogf

$$- \frac{28 x^6 + x^5 + 2 x^4 + 28 x^3 + 2 x^2 + x + 28}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A040793
Score: 6.16535
Type of gen. func.: lgdogf

$$- (x^{10} + 4 x^9 + 84 x^8 + 8 x^7 + 5 x^6 + 336 x^5 + 5 x^4 + 8 x^3 + 84 x^2 + 4 x + 1) / \left((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (28 x^6 + x^5 + 2 x^4 + 28 x^3 + 2 x^2 + x + 28)\right)$$

Sequence: A040795
Score: 6.36640
Type of gen. func.: ogf

$$- (28 x^{12} + x^{11} + 2 x^{10} + 2 x^9 + x^8 + x^7 + 6 x^6 + x^5 + x^4 + 2 x^3 + 2 x^2 + x + 28) / \left((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x^4 - x^2 + 1)\right)$$

Sequence: A040798
Score: 7.15342
Type of gen. func.: ogf

$$- \frac{28 x^{10} + x^9 + 3 x^8 + 7 x^7 + x^6 + 27 x^5 + x^4 + 7 x^3 + 3 x^2 + x + 28}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A040799
Score: 10.3308
Type of gen. func.: ogf

$$-\frac{(x^2+1)\,(28\,x^4+x^3-25\,x^2+x+28)}{(x-1)\,(x+1)\,(x^2+x+1)\,(x^2-x+1)}$$

Sequence: A040799
Score: 6.45839
Type of gen. func.: lgdogf

$$-(x^{10}+6\,x^9+6\,x^8+12\,x^7+5\,x^6+336\,x^5+5\,x^4+12\,x^3+6\,x^2+6\,x+1) \Big/ ((x-1)\,(x+1)\,(x^2+1)\,(x^2+x+1)\,(x^2-x+1)\,(28\,x^4+x^3-25\,x^2+x+28))$$

Sequence: A040801
Score: 7.15342
Type of gen. func.: ogf

$$-\frac{28\,x^{10}+x^9+4\,x^8+3\,x^7+x^6+10\,x^5+x^4+3\,x^3+4\,x^2+x+28}{(x-1)\,(x+1)\,(x^4+x^3+x^2+x+1)\,(x^4-x^3+x^2-x+1)}$$

Sequence: A040803
Score: 6.30482
Type of gen. func.: ogf

$$-(28\,x^{12}+x^{11}+5\,x^{10}+2\,x^9+2\,x^8+x^7+13\,x^6+x^5+2\,x^4+2\,x^3+5\,x^2+x+28) \Big/ ((x-1)\,(x+1)\,(x^2+x+1)\,(x^2-x+1)\,(x^2+1)\,(x^4-x^2+1))$$

Sequence: A040807
Score: 7.01635
Type of gen. func.: ogf

$$-\frac{28 x^{10} + x^{9} + 10 x^{8} + x^{7} + x^{6} + 2 x^{5} + x^{4} + x^{3} + 10 x^{2} + x + 28}{(x - 1) (x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A040808
Score: 6.11644
Type of gen. func.: lgdogf

$$- (x^{10} + 26 x^{9} + 6 x^{8} + 52 x^{7} + 5 x^{6} + 336 x^{5} + 5 x^{4} + 52 x^{3} + 6 x^{2} + 26 x + 1) / ((x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (28 x^{4} + x^{3} - 15 x^{2} + x + 28) (x^{2} + 1))$$

Sequence: A040808
Score: 9.70166
Type of gen. func.: ogf

$$-\frac{(x^{2} + 1) (28 x^{4} + x^{3} - 15 x^{2} + x + 28)}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A040810
Score: 12.1271
Type of gen. func.: ogf

$$-\frac{(28 x^{2} + 29 x + 28) (x^{2} - x + 1)}{(x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A040810
Score: 7.92923
Type of gen. func.: ogf

$$(69803 f(x) + 2306475) (f(x) x^{4} + 28 x^{4} + x^{3} + 27 x^{2} - f(x) + x + 28)$$

Sequence: A040810
Score: 9.28012
Type of gen. func.: lgdogf

$$- \frac{x^{6} + 54 x^{5} + 3 x^{4} + 224 x^{3} + 3 x^{2} + 54 x + 1}{(x - 1) (x + 1) (x^{2} + 1) (28 x^{2} + 29 x + 28) (x^{2} - x + 1)}$$

Sequence: A040811
Score: 12.1271
Type of gen. func.: lgdogf

$$- \frac{x^{2} + 112 x + 1}{28 x^{4} + x^{3} - x - 28}$$

Sequence: A040811
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^{2} - 28 x^{2} + f(x) - x - 28$$

Sequence: A040811
Score: 16.1694
Type of gen. func.: ogf

$$- \frac{28 x^{2} + x + 28}{(x - 1) (x + 1)}$$

Sequence: A040811
Score: 20.1843
Type of gen. func.: lgdogf

$$- \frac{x^{2} + 112 x + 1}{}$$

$$(x - 1) (x + 1) (28 x^2 + x + 28)$$

Sequence: A040811
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 28, a(1) = 1, a(2) = 56\}$$

Sequence: A040812
Score: 10.7497
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1), a(0) = 29, a(1) = 58\}$$

Sequence: A040812
Score: 16.9251
Type of gen. func.: ogf

$$-f(x) x + f(x) - 29 x - 29$$

Sequence: A040812
Score: 20.3969
Type of gen. func.: ogf

$$-\frac{29 (x + 1)}{x - 1}$$

Sequence: A040812
Score: 20.4976
Type of gen. func.: revogf

$$-\frac{x}{58} - 1/2 + \frac{(x^2 + 174 x + 841)^{1/2}}{58}$$

Sequence: A040812
Score: 24.8588
Type of gen. func.: lgdogf

$$\frac{2}{-x^2 + 1}$$

Sequence: A040812
Score: 37.7338
Type of gen. func.: ogf_with_Euler_transform]

$$[2 - x]$$

Sequence: A040812
Score: 55.6363
Type of gen. func.: lgdogf

$$-\frac{2}{(x - 1)(x + 1)}$$

Sequence: A040813
Score: 12.4294
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4 x + 1}{x^4 + x^3 - x - 1}$$

Sequence: A040813
Score: 15.2977
Type of gen. func.: ogf

$$-\frac{29 (x^2 + x + 1)}{(x - 1)(x + 1)}$$

Sequence: A040813
Score: 22.9091
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4 x + 1}{}$$

$$(x^2 + x + 1) (x - 1) (x + 1)$$

Sequence: A040813
Score: 31.6964
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + x + 1$$

Sequence: A040813
Score: 9.14346
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 29, a(1) = 29, a(2) = 58\}$$

Sequence: A040813
Score: 9.58412
Type of gen. func.: ogf

$$-(4 f(x) - 87) (f(x) x^2 + 29 x^2 - f(x) + 29 x + 29)$$

Sequence: A040815
Score: 10.6084
Type of gen. func.: ogf

$$-\frac{(x + 1) (29 x^4 - 15 x^3 + 16 x^2 - 15 x + 29)}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A040815
Score: 6.83536
Type of gen. func.: lgdogf

$$- (14 x^8 + 2 x^7 + 3 x^6 + 56 x^5 + 290 x^4 + 56 x^3 + 3 x^2 + 2 x + 14) / ((x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (29 x^4 - 15 x^3 + 16 x^2 - 15 x + 29))$$

Sequence: A040816
Score: 4.87921
Type of gen. func.: ogf

$$-(29 x^{16} + 11 x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^{9} + 2 x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + 11 x + 29) / ((x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1) (x^{8} + 1))$$

Sequence: A040817
Score: 7.38431
Type of gen. func.: ogf

$$-\frac{29 x^{10} + 9 x^{9} + x^{8} + 2 x^{7} + 6 x^{6} + 8 x^{5} + 6 x^{4} + 2 x^{3} + x^{2} + 9 x + 29}{(x - 1) (x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A040818
Score: 10.3308
Type of gen. func.: ogf

$$-\frac{29 x^{6} + 8 x^{5} + 3 x^{4} + 3 x^{3} + 3 x^{2} + 8 x + 29}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A040820
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{29 x^{4} + 6 x^{3} + 2 x^{2} + 6 x + 29}{(x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A040820
Score: 8.68078
Type of gen. func.: ogf

$$(245 f(x) - 6876) (f(x) x^4 + 29 x^4 + 6 x^3 + 2 x^2 - f(x) + 6 x + 29)$$

Sequence: A040820
Score: 9.25549
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^6 + 2 x^5 + 9 x^4 + 116 x^3 + 9 x^2 + 2 x + 3)}{(x - 1) (x + 1) (29 x^4 + 6 x^3 + 2 x^2 + 6 x + 29) (x^2 + 1)}$$

Sequence: A040821
Score: 6.36640
Type of gen. func.: ogf

$$- (29 x^{12} + 5 x^{11} + x^{10} + 4 x^9 + 2 x^8 + 7 x^7 + x^6 + 7 x^5 + 2 x^4 + 4 x^3 + x^2 + 5 x + 29) / ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x^4 - x^2 + 1))$$

Sequence: A040822
Score: 8.59288
Type of gen. func.: ogf

$$- \frac{29 x^8 + 5 x^7 + 3 x^6 + 2 x^5 + 4 x^4 + 2 x^3 + 3 x^2 + 5 x + 29}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A040824
Score: 8.15265
Type of gen. func.: ogf

$$- \frac{29 x^8 + 4 x^7 + 2 x^6 + 11 x^5 + 4 x^4 + 11 x^3 + 2 x^2 + 4 x + 29}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A040825
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{29x^4+4x^3+6x^2+4x+29}{(x-1)(x+1)(x^2+1)}$$

Sequence: A040825
Score: 8.50717
Type of gen. func.: ogf

$$(1352 f(x) - 37359) (f(x) x^4 + 29 x^4 + 4 x^3 + 6 x^2 - f(x) + 4 x + 29)$$

Sequence: A040825
Score: 9.57465
Type of gen. func.: lgdogf

$$-\frac{4(x^6+3x^5+3x^4+58x^3+3x^2+3x+1)}{(x-1)(x+1)(29x^4+4x^3+6x^2+4x+29)(x^2+1)}$$

Sequence: A040828
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{29x^4+3x^3+2x^2+3x+29}{(x-1)(x+1)(x^2+1)}$$

Sequence: A040828
Score: 8.34036
Type of gen. func.: ogf

$$(31360 f(x) - 899613) (f(x) x^4 + 29 x^4 + 3 x^3 + 2 x^2 - f(x) + 3 x + 29)$$

Sequence: A040828
Score: 9.46584

Type of gen. func.: lgdogf

$$-\frac{3x^6+4x^5+9x^4+232x^3+9x^2+4x+3}{(x-1)(x+1)(x^2+1)(29x^4+3x^3+2x^2+3x+29)}$$

Sequence: A040830
Score: 12.1271
Type of gen. func.: ogf

$$-\frac{29x^4+3x^3+14x^2+3x+29}{(x-1)(x+1)(x^2+1)}$$

Sequence: A040830
Score: 8.08471
Type of gen. func.: ogf

$$-(64 f(x) - 1339)(f(x)x^4 + 29x^4 + 3x^3 + 14x^2 - f(x) + 3x + 29)$$

Sequence: A040830
Score: 8.87220
Type of gen. func.: lgdogf

$$-\frac{3x^6+28x^5+9x^4+232x^3+9x^2+28x+3}{(x-1)(x+1)(x^2+1)(29x^4+3x^3+14x^2+3x+29)}$$

Sequence: A040831
Score: 4.79623
Type of gen. func.: ogf

$$-(29x^{16}+2x^{15}+x^{14}+11x^{13}+14x^{12}+x^{11}+x^{10}+2x^9+2x^8+2x^7+x^6+x^5+14x^4+11x^3+x^2+2x+29)\Big/\left((x-1)(x+1)(x^2+1)(x^4+1)(x^8+1)\right)$$

Sequence: A040834
Score: 6.30482
Type of gen. func.: ogf

$$-(29x^{12}+2x^{11}+x^{10}+x^{9}+5x^{8}+x^{7}+13x^{6}+x^{5}+5x^{4}+x^{3}+x^{2}+2x+29)\Big/\left((x-1)(x+1)(x^{2}+x+1)(x^{2}-x+1)(x^{2}+1)(x^{4}-x^{2}+1)\right)$$

Sequence: A040836
Score: 8.50717
Type of gen. func.: ogf

$$-\frac{(x^{2}+x+1)(29x^{6}-27x^{5}+28x^{3}-27x+29)}{(x-1)(x+1)(x^{2}+1)(x^{4}+1)}$$

Sequence: A040837
Score: 10.0445
Type of gen. func.: ogf

$$-\frac{29x^{6}+2x^{5}+4x^{4}+29x^{3}+4x^{2}+2x+29}{(x-1)(x+1)(x^{2}+x+1)(x^{2}-x+1)}$$

Sequence: A040838
Score: 8.15265
Type of gen. func.: ogf

$$-\frac{29x^{8}+2x^{7}+6x^{6}+19x^{5}+2x^{4}+19x^{3}+6x^{2}+2x+29}{(x-1)(x+1)(x^{2}+1)(x^{4}+1)}$$

Sequence: A040840
Score: 12.1271
Type of gen. func.: lgdogf

$$- \frac{2 x^{2} + 116 x + 2}{29 x^{4} + 2 x^{3} - 2 x - 29}$$

Sequence: A040840
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^{2} - 29 x^{2} + f(x) - 2 x - 29$$

Sequence: A040840
Score: 16.1694
Type of gen. func.: ogf

$$- \frac{29 x^{2} + 2 x + 29}{(x - 1) (x + 1)}$$

Sequence: A040840
Score: 18.7761
Type of gen. func.: lgdogf

$$- \frac{2 (x^{2} + 58 x + 1)}{(x - 1) (x + 1) (29 x^{2} + 2 x + 29)}$$

Sequence: A040840
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 29, a(1) = 2, a(2) = 58\}$$

Sequence: A040842
Score: 7.15342
Type of gen. func.: ogf

$$- \frac{29 x^{10} + x^{9} + x^{8} + 7 x^{7} + x^{6} + 13 x^{5} + x^{4} + 7 x^{3} + x^{2} + x + 29}{}$$

$$(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)$$

Sequence: A040844
Score: 8.59288
Type of gen. func.: ogf

$$- \frac{29 x^8 + x^7 + x^6 + 3 x^5 + 2 x^4 + 3 x^3 + x^2 + x + 29}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A040845
Score: 4.97347
Type of gen. func.: ogf

$$- (29 x^{16} + x^{15} + x^{14} + 2 x^{13} + x^{12} + x^{11} + x^{10} + x^9 + 3 x^8 + x^7 + x^6 + x^5 + x^4 + 2 x^3 + x^2 + x + 29) / ((x - 1) (x + 1) (x^2 + 1) (x^4 + 1) (x^8 + 1))$$

Sequence: A040846
Score: 8.50717
Type of gen. func.: ogf

$$- \frac{29 x^8 + x^7 + x^6 + 2 x^5 + 14 x^4 + 2 x^3 + x^2 + x + 29}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A040847
Score: 5.24978
Type of gen. func.: ogf

$$- (x + 1) (29 x^{12} + x^{11} + x^{10} - 28 x^9 + x^7 + 32 x^6 + x^5 - 28 x^3 + x^2 + x + 29) (x^2 - x + 1) / ((x - 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1) (x^8 - x^7 + x^5 - x^4 + x^3 - x + 1))$$

Sequence: A040848
Score: 4.94590
Type of gen. func.: ogf

$$-(29x^{16}+x^{15}+x^{14}+x^{13}+2x^{12}+2x^{11}+4x^{10}+x^{9}+28x^{8}+x^{7}+4x^{6}+2x^{5}+2x^{4}+x^{3}+x^{2}+x+29)\ /\ ((x-1)(x+1)(x^{2}+1)(x^{4}+1)(x^{8}+1))$$

Sequence: A040850
Score: 10.4124
Type of gen. func.: lgdogf

$$-\frac{x^{6}+2x^{5}+3x^{4}+232x^{3}+3x^{2}+2x+1}{(x-1)(x+1)(x^{2}+1)(29x^{4}+x^{3}+x^{2}+x+29)}$$

Sequence: A040850
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{29x^{4}+x^{3}+x^{2}+x+29}{(x-1)(x+1)(x^{2}+1)}$$

Sequence: A040850
Score: 8.77028
Type of gen. func.: ogf

$$(59f(x)-1708)(f(x)x^{4}+29x^{4}+x^{3}+x^{2}-f(x)+x+29)$$

Sequence: A040852
Score: 8.59288
Type of gen. func.: ogf

$$-\frac{29x^{8}+x^{7}+2x^{6}+3x^{5}+6x^{4}+3x^{3}+2x^{2}+x+29}{{}^{2}\qquad{}^{4}}$$

$$(x - 1) (x + 1) (x + 1) (x + 1)$$

Sequence: A040854
Score: 8.59288
Type of gen. func.: ogf

$$-\frac{29 x^8 + x^7 + 2 x^6 + x^5 + 2 x^4 + x^3 + 2 x^2 + x + 29}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A040855
Score: 10.1585
Type of gen. func.: lgdogf

$$-\frac{x^6 + 4 x^5 + 3 x^4 + 232 x^3 + 3 x^2 + 4 x + 1}{(x - 1) (x + 1) (x^2 + 1) (29 x^4 + x^3 + 2 x^2 + x + 29)}$$

Sequence: A040855
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{29 x^4 + x^3 + 2 x^2 + x + 29}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040855
Score: 8.34036
Type of gen. func.: ogf

$$(31360 f(x) - 905293) (f(x) x^4 + 29 x^4 + x^3 + 2 x^2 - f(x) + x + 29)$$

Sequence: A040857
Score: 6.30482
Type of gen. func.: ogf

$$- (29 x^{12} + x^{11} + 3 x^{10} + x^9 + x^8 + 2 x^7 + 29 x^6 + 2 x^5 + x^4 + x^3 + 3 x^2 + x$$

$$+ 29) \Big/ ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x^4 - x^2 + 1))$$

Sequence: A040858
Score: 10.1585
Type of gen. func.: lgdogf

$$- \frac{x^6 + 6 x^5 + 3 x^4 + 232 x^3 + 3 x^2 + 6 x + 1}{(x - 1) (x + 1) (x^2 + 1) (29 x^4 + x^3 + 3 x^2 + x + 29)}$$

Sequence: A040858
Score: 12.6973
Type of gen. func.: ogf

$$- \frac{29 x^4 + x^3 + 3 x^2 + x + 29}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040858
Score: 7.87701
Type of gen. func.: ogf

$$-(184525 f(x) - 5300442) (f(x) x^4 + 29 x^4 + x^3 + 3 x^2 - f(x) + x + 29)$$

Sequence: A040860
Score: 10.1585
Type of gen. func.: lgdogf

$$- \frac{x^6 + 8 x^5 + 3 x^4 + 232 x^3 + 3 x^2 + 8 x + 1}{(x - 1) (x + 1) (x^2 + 1) (29 x^4 + x^3 + 4 x^2 + x + 29)}$$

Sequence: A040860
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{29 x^4 + x^3 + 4 x^2 + x + 29}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040860
Score: 8.17997
Type of gen. func.: ogf

$$-(2511 f(x) - 71600) (f(x) x^4 + 29 x^4 + x^3 + 4 x^2 - f(x) + x + 29)$$

Sequence: A040861
Score: 8.59288
Type of gen. func.: ogf

$$-\frac{29 x^8 + x^7 + 5 x^6 + x^5 + x^4 + x^3 + 5 x^2 + x + 29}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A040862
Score: 8.50717
Type of gen. func.: ogf

$$-\frac{29 x^8 + x^7 + 6 x^6 + 2 x^5 + 14 x^4 + 2 x^3 + 6 x^2 + x + 29}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A040864
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{29 x^4 + x^3 + 8 x^2 + x + 29}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040864
Score: 8.42294

Type of gen. func.: ogf

$$(6875 f(x) - 184688) (f(x) x^4 + 29 x^4 + x^3 + 8 x^2 - f(x) + x + 29)$$

Sequence: A040864
Score: 9.91660
Type of gen. func.: lgdogf

$$- \frac{x^6 + 16 x^5 + 3 x^4 + 232 x^3 + 3 x^2 + 16 x + 1}{(x - 1) (x + 1) (x^2 + 1) (29 x^4 + x^3 + 8 x^2 + x + 29)}$$

Sequence: A040865
Score: 12.1271
Type of gen. func.: ogf

$$- \frac{29 x^4 + x^3 + 10 x^2 + x + 29}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040865
Score: 8.08471
Type of gen. func.: ogf

$$(8704 f(x) - 221375) (f(x) x^4 + 29 x^4 + x^3 + 10 x^2 - f(x) + x + 29)$$

Sequence: A040865
Score: 9.49848
Type of gen. func.: lgdogf

$$- \frac{x^6 + 20 x^5 + 3 x^4 + 232 x^3 + 3 x^2 + 20 x + 1}{(x - 1) (x + 1) (x^2 + 1) (29 x^4 + x^3 + 10 x^2 + x + 29)}$$

Sequence: A040866
Score: 12.1271
Type of gen. func.: ogf

$$-\frac{29 x^4 + x^3 + 13 x^2 + x + 29}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040866
Score: 8.00622
Type of gen. func.: ogf

$$(15975 f(x) - 355948) (f(x) x^4 + 29 x^4 + x^3 + 13 x^2 - f(x) + x + 29)$$

Sequence: A040866
Score: 9.49848
Type of gen. func.: lgdogf

$$-\frac{x^6 + 26 x^5 + 3 x^4 + 232 x^3 + 3 x^2 + 26 x + 1}{(x - 1) (x + 1) (x^2 + 1) (29 x^4 + x^3 + 13 x^2 + x + 29)}$$

Sequence: A040867
Score: 12.1271
Type of gen. func.: ogf

$$-\frac{29 x^4 + x^3 + 18 x^2 + x + 29}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040867
Score: 8.00622
Type of gen. func.: ogf

$$(60800 f(x) - 803751) (f(x) x^4 + 29 x^4 + x^3 + 18 x^2 - f(x) + x + 29)$$

Sequence: A040867
Score: 9.49848
Type of gen. func.: lgdogf

6 5 4 3 2

$$-\frac{x + 36 x + 3 x + 232 x + 3 x + 36 x + 1}{(x - 1) (x + 1) (x^2 + 1) (29 x^4 + x^3 + 18 x^2 + x + 29)}$$

Sequence: A040868
Score: 12.1271
Type of gen. func.: ogf

$$-\frac{(x^2 - x + 1) (29 x^2 + 30 x + 29)}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040868
Score: 8.16475
Type of gen. func.: ogf

$$(1075 f(x) + 37114) (f(x) x^4 + 29 x^4 + x^3 + 28 x^2 - f(x) + x + 29)$$

Sequence: A040868
Score: 9.28012
Type of gen. func.: lgdogf

$$-\frac{x^6 + 56 x^5 + 3 x^4 + 232 x^3 + 3 x^2 + 56 x + 1}{(x - 1) (x + 1) (x^2 + 1) (29 x^2 + 30 x + 29) (x^2 - x + 1)}$$

Sequence: A040869
Score: 12.1271
Type of gen. func.: lgdogf

$$-\frac{x^2 + 116 x + 1}{29 x^4 + x^3 - x - 29}$$

Sequence: A040869
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^2 - 29 x^2 + f(x) - x - 29$$

Sequence: A040869
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{29 x^2 + x + 29}{(x - 1) (x + 1)}$$

Sequence: A040869
Score: 20.1843
Type of gen. func.: lgdogf

$$-\frac{x^2 + 116 x + 1}{(x - 1) (x + 1) (29 x^2 + x + 29)}$$

Sequence: A040869
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 29, a(1) = 1, a(2) = 58\}$$

Sequence: A040870
Score: 10.7497
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1), a(0) = 30, a(1) = 60\}$$

Sequence: A040870
Score: 16.9251
Type of gen. func.: ogf

$$-f(x) x + f(x) - 30 x - 30$$

Sequence: A040870
Score: 20.3969

Type of gen. func.: ogf

$$- \frac{30 (x + 1)}{x - 1}$$

Sequence: A040870
Score: 20.4976
Type of gen. func.: revogf

$$- \frac{x}{60} - 1/2 + \frac{(x^2 + 180 x + 900)^{1/2}}{60}$$

Sequence: A040870
Score: 24.8588
Type of gen. func.: lgdogf

$$\frac{2}{-x^2 + 1}$$

Sequence: A040870
Score: 37.7338
Type of gen. func.: ogf_with_Euler_transform]

$$[2 - x]$$

Sequence: A040870
Score: 55.6363
Type of gen. func.: lgdogf

$$- \frac{2}{(x - 1) (x + 1)}$$

Sequence: A040871
Score: 12.4294
Type of gen. func.: lgdogf

$$- \frac{x^2 + 4 x + 1}{\quad}$$

$$x^4 + x^3 - x - 1$$

Sequence: A040871
Score: 15.2977
Type of gen. func.: ogf

$$-\frac{30 (x^2 + x + 1)}{(x - 1) (x + 1)}$$

Sequence: A040871
Score: 22.9091
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4 x + 1}{(x^2 + x + 1) (x - 1) (x + 1)}$$

Sequence: A040871
Score: 31.6964
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + x + 1$$

Sequence: A040871
Score: 9.14346
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 30, a(1) = 30, a(2) = 60\}$$

Sequence: A040871
Score: 9.58412
Type of gen. func.: ogf

$$-(2 f(x) - 45) (f(x) x^2 + 30 x^2 - f(x) + 30 x + 30)$$

Sequence: A040872
Score: 12.2382
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 12 x + 2}{3 x^4 + 2 x^3 - 2 x - 3}$$

Sequence: A040872
Score: 14.205
Type of gen. func.: ogf

$$-f(x) x^2 - 30 x^2 + f(x) - 20 x - 30$$

Sequence: A040872
Score: 15.2977
Type of gen. func.: ogf

$$-\frac{10 (3 x^2 + 2 x + 3)}{(x - 1) (x + 1)}$$

Sequence: A040872
Score: 19.4727
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + 6 x + 1)}{(x - 1) (x + 1) (3 x^2 + 2 x + 3)}$$

Sequence: A040872
Score: 9.14346
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 30, a(1) = 20, a(2) = 60\}$$

Sequence: A040873
Score: 12.4294
Type of gen. func.: lgdogf

$$-\frac{x^2 + 8x + 1}{2x^4 + x^3 - x - 2}$$

Sequence: A040873
Score: 14.205
Type of gen. func.: ogf

$$-f(x)\,x^2 - 30\,x^2 + f(x) - 15\,x - 30$$

Sequence: A040873
Score: 15.2977
Type of gen. func.: ogf

$$-\frac{15\,(2x^2 + x + 2)}{(x - 1)\,(x + 1)}$$

Sequence: A040873
Score: 21.6363
Type of gen. func.: lgdogf

$$-\frac{x^2 + 8x + 1}{(x - 1)\,(x + 1)\,(2x^2 + x + 2)}$$

Sequence: A040873
Score: 9.14346
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1),\ a(0) = 30,\ a(1) = 15,\ a(2) = 60\}$$

Sequence: A040874
Score: 12.2382
Type of gen. func.: lgdogf

$$-\frac{2x^2 + 20x + 2}{}$$

$$5 x^4 + 2 x^3 - 2 x - 5$$

Sequence: A040874
Score: 14.205
Type of gen. func.: ogf

$$-f(x) x^2 - 30 x^2 + f(x) - 12 x - 30$$

Sequence: A040874
Score: 15.2977
Type of gen. func.: ogf

$$-\frac{6 (5 x^2 + 2 x + 5)}{(x - 1) (x + 1)}$$

Sequence: A040874
Score: 18.9978
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + 10 x + 1)}{(x - 1) (x + 1) (5 x^2 + 2 x + 5)}$$

Sequence: A040874
Score: 9.14346
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 30, a(1) = 12, a(2) = 60\}$$

Sequence: A040875
Score: 12.2382
Type of gen. func.: lgdogf

$$-\frac{x^2 + 12 x + 1}{3 x^4 + x^3 - x - 3}$$

Sequence: A040875
Score: 14.205
Type of gen. func.: ogf

$$-f(x) x^2 - 30 x^2 + f(x) - 10 x - 30$$

Sequence: A040875
Score: 15.2977
Type of gen. func.: ogf

$$-\frac{10 (3 x^2 + x + 3)}{(x - 1) (x + 1)}$$

Sequence: A040875
Score: 21.0516
Type of gen. func.: lgdogf

$$-\frac{x^2 + 12 x + 1}{(x - 1) (x + 1) (3 x^2 + x + 3)}$$

Sequence: A040875
Score: 9.14346
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 30, a(1) = 10, a(2) = 60\}$$

Sequence: A040877
Score: 8.50717
Type of gen. func.: ogf

$$-\frac{30 x^8 + 7 x^7 + x^6 + x^5 + 14 x^4 + x^3 + x^2 + 7 x + 30}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A040878

Score: 8.59288
Type of gen. func.: ogf

$$-\frac{30 x^{8} + 6 x^{7} + x^{6} + 2 x^{5} + 6 x^{4} + 2 x^{3} + x^{2} + 6 x + 30}{(x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1)}$$

Sequence: A040879
Score: 12.6868
Type of gen. func.: lgdogf

$$-\frac{x^{2} + 20 x + 1}{5 x^{4} + x^{3} - x - 5}$$

Sequence: A040879
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^{2} - 30 x^{2} + f(x) - 6 x - 30$$

Sequence: A040879
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{6 (5 x^{2} + x + 5)}{(x - 1) (x + 1)}$$

Sequence: A040879
Score: 21.8208
Type of gen. func.: lgdogf

$$-\frac{x^{2} + 20 x + 1}{(x - 1) (x + 1) (5 x^{2} + x + 5)}$$

Sequence: A040879

Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 30, a(1) = 6, a(2) = 60\}$$

Sequence: A040881
Score: 12.6868
Type of gen. func.: lgdogf

$$-\frac{x^2 + 24 x + 1}{6 x^4 + x^3 - x - 6}$$

Sequence: A040881
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^2 - 30 x^2 + f(x) - 5 x - 30$$

Sequence: A040881
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{5 (6 x^2 + x + 6)}{(x - 1) (x + 1)}$$

Sequence: A040881
Score: 21.8208
Type of gen. func.: lgdogf

$$-\frac{x^2 + 24 x + 1}{(x - 1) (x + 1) (6 x^2 + x + 6)}$$

Sequence: A040881
Score: 9.58885
Type of gen. func.: ogf

$\{-a(n + 3) + a(n + 1), a(0) = 30, a(1) = 5, a(2) = 60\}$

Sequence: A040883
Score: 11.2547
Type of gen. func.: ogf

$$-\frac{(x + 1) (30 x^4 - 26 x^3 + 29 x^2 - 26 x + 30)}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A040883
Score: 7.18550
Type of gen. func.: lgdogf

$$- (4 x^8 + 6 x^7 + 9 x^6 + 16 x^5 + 300 x^4 + 16 x^3 + 9 x^2 + 6 x + 4) / ((x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (30 x^4 - 26 x^3 + 29 x^2 - 26 x + 30))$$

Sequence: A040884
Score: 12.3081
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 60 x + 2}{15 x^4 + 2 x^3 - 2 x - 15}$$

Sequence: A040884
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^2 - 30 x^2 + f(x) - 4 x - 30$$

Sequence: A040884
Score: 16.1694
Type of gen. func.: ogf

$$2 (15 x^2 + 2 x + 15)$$

$$- \frac{}{(x - 1) (x + 1)}$$

Sequence: A040884
Score: 18.7761
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 + 30 x + 1)}{(x - 1) (x + 1) (15 x^2 + 2 x + 15)}$$

Sequence: A040884
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 30, a(1) = 4, a(2) = 60\}$$

Sequence: A040886
Score: 4.91781
Type of gen. func.: ogf

$$- (30 x^{16} + 3 x^{15} + x^{14} + x^{13} + 4 x^{12} + x^{11} + 14 x^{10} + 3 x^9 + 8 x^8 + 3 x^7 + 14 x^6 + x^5 + 4 x^4 + x^3 + x^2 + 3 x + 30) / ((x - 1) (x + 1) (x^2 + 1) (x^4 + 1) (x^8 + 1))$$

Sequence: A040887
Score: 7.15342
Type of gen. func.: ogf

$$- \frac{30 x^{10} + 3 x^9 + 2 x^8 + x^7 + 6 x^6 + 30 x^5 + 6 x^4 + x^3 + 2 x^2 + 3 x + 30}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A040889
Score: 12.3081
Type of gen. func.: lgdogf

$$-\frac{x^2 + 40 x + 1}{10 x^4 + x^3 - x - 10}$$

Sequence: A040889
Score: 14.9935
Type of gen. func.: ogf

$$-f(x) x^2 - 30 x^2 + f(x) - 3 x - 30$$

Sequence: A040889
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{3 (10 x^2 + x + 10)}{(x - 1) (x + 1)}$$

Sequence: A040889
Score: 20.7018
Type of gen. func.: lgdogf

$$-\frac{x^2 + 40 x + 1}{(x - 1) (x + 1) (10 x^2 + x + 10)}$$

Sequence: A040889
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 30, a(1) = 3, a(2) = 60\}$$

Sequence: A040892
Score: 10.3308
Type of gen. func.: ogf

$$-\frac{30 x^6 + 2 x^5 + x^4 + x^3 + x^2 + 2 x + 30}{}$$

$$(x-1)(x+1)(x^2+x+1)(x^2-x+1)$$

Sequence: A040892
Score: 6.31271
Type of gen. func.: lgdogf

$$-(2x^{10}+2x^9+3x^8+4x^7+10x^6+360x^5+10x^4+4x^3+3x^2+2x+2) / ((x-1)(x+1)(x^2+x+1)(x^2-x+1)(30x^6+2x^5+x^4+x^3+x^2+2x+30))$$

Sequence: A040893
Score: 8.50717
Type of gen. func.: ogf

$$-\frac{30x^8+2x^7+x^6+x^5+14x^4+x^3+x^2+2x+30}{(x-1)(x+1)(x^2+1)(x^4+1)}$$

Sequence: A040894
Score: 11.2547
Type of gen. func.: ogf

$$-\frac{2(x+1)(15x^4-14x^3+15x^2-14x+15)}{(x-1)(x^4+x^3+x^2+x+1)}$$

Sequence: A040894
Score: 7.44444
Type of gen. func.: lgdogf

$$-(x^8+2x^7+3x^6+4x^5+150x^4+4x^3+3x^2+2x+1) / ((x-1)(x+1)(x^4+x^3+x^2+x+1)(15x^4-14x^3+15x^2-14x+15))$$

Sequence: A040896
Score: 8.59288
Type of gen. func.: ogf

$$-\frac{30x^8+2x^7+4x^6+5x^5+3x^4+5x^3+4x^2+2x+30}{(x-1)(x+1)(x^2+1)(x^4+1)}$$

Sequence: A040897
Score: 4.94590
Type of gen. func.: ogf

$$-(30x^{16}+2x^{15}+6x^{14}+3x^{13}+x^{12}+x^{11}+x^{10}+8x^9+15x^8+8x^7+x^6+x^5+x^4+3x^3+6x^2+2x+30)\Big/((x-1)(x+1)(x^2+1)(x^4+1)(x^8+1))$$

Sequence: A040899
Score: 12.3081
Type of gen. func.: lgdogf

$$-\frac{x^2+60x+1}{15x^4+x^3-x-15}$$

Sequence: A040899
Score: 14.9935
Type of gen. func.: ogf

$$-f(x)x^2-30x^2+f(x)-2x-30$$

Sequence: A040899
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{2(15x^2+x+15)}{(x-1)(x+1)}$$

Sequence: A040899
Score: 20.7018
Type of gen. func.: lgdogf

$$-\frac{x^2 + 60 x + 1}{(x - 1) (x + 1) (15 x^2 + x + 15)}$$

Sequence: A040899
Score: 9.58885
Type of gen. func.: ogf

{-a(n + 3) + a(n + 1), a(0) = 30, a(1) = 2, a(2) = 60}

Sequence: A040902
Score: 8.50717
Type of gen. func.: ogf

$$-\frac{30 x^8 + x^7 + x^6 + 5 x^5 + 20 x^4 + 5 x^3 + x^2 + x + 30}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A040904
Score: 8.59288
Type of gen. func.: ogf

$$-\frac{30 x^8 + x^7 + x^6 + 2 x^5 + x^4 + 2 x^3 + x^2 + x + 30}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A040905
Score: 8.59288
Type of gen. func.: ogf

$$-\frac{30 x^8 + x^7 + x^6 + 2 x^5 + 6 x^4 + 2 x^3 + x^2 + x + 30}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A040907
Score: 7.38431
Type of gen. func.: ogf

```
              10    9    8    7      6      5      4    3    2
          30 x   + x  + x  + x  + 2 x  + 8 x  + 2 x  + x  + x  + x + 30
        - -------------------------------------------------------------
                            4    3    2            4    3    2
          (x - 1) (x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1)
```

Sequence: A040908
Score: 7.15342
Type of gen. func.: ogf

```
              10    9    8    7      6       5      4    3    2
          30 x   + x  + x  + x  + 4 x  + 20 x  + 4 x  + x  + x  + x + 30
        - --------------------------------------------------------------
                            4    3    2            4    3    2
          (x - 1) (x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1)
```

Sequence: A040909
Score: 8.50717
Type of gen. func.: ogf

```
                     8    7    6    5       4    3    2
                 30 x  + x  + x  + x  + 14 x  + x  + x  + x + 30
               - -----------------------------------------------
                                          2        4
                        (x - 1) (x + 1) (x  + 1) (x  + 1)
```

Sequence: A040911
Score: 8.50717
Type of gen. func.: ogf

```
                 8    7      6      5       4      3      2
             30 x  + x  + 2 x  + 4 x  + 20 x  + 4 x  + 2 x  + x + 30
           - -------------------------------------------------------
                                          2        4
                        (x - 1) (x + 1) (x  + 1) (x  + 1)
```

Sequence: A040912
Score: 10.3308
Type of gen. func.: ogf

```
                       2           4    3       2
```

$$-\frac{(x + 1)(30 x + x - 28 x + x + 30)}{(x - 1)(x + 1)(x^2 + x + 1)(x^2 - x + 1)}$$

Sequence: A040912
Score: 6.55931
Type of gen. func.: lgdogf

$$-(x^{10} + 4 x^9 + 6 x^8 + 8 x^7 + 5 x^6 + 360 x^5 + 5 x^4 + 8 x^3 + 6 x^2 + 4 x + 1) / ((x - 1)(x + 1)(x^2 + 1)(x^2 + x + 1)(x^2 - x + 1)(30 x^4 + x^3 - 28 x^2 + x + 30))$$

Sequence: A040913
Score: 4.97347
Type of gen. func.: ogf

$$-(30 x^{16} + x^{15} + 2 x^{14} + x^{13} + x^{12} + x^{11} + 2 x^{10} + 2 x^9 + 3 x^8 + 2 x^7 + 2 x^6 + x^5 + x^4 + x^3 + 2 x^2 + x + 30) / ((x - 1)(x + 1)(x^2 + 1)(x^4 + 1)(x^8 + 1))$$

Sequence: A040914
Score: 7.15342
Type of gen. func.: ogf

$$-\frac{30 x^{10} + x^9 + 2 x^8 + x^7 + 6 x^6 + 12 x^5 + 6 x^4 + x^3 + 2 x^2 + x + 30}{(x - 1)(x + 1)(x^4 + x^3 + x^2 + x + 1)(x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A040917
Score: 7.15342
Type of gen. func.: ogf

```
          10    9      8    7      6       5      4    3      2
     30 x   + x  + 3 x  + x  + 3 x  + 20 x  + 3 x  + x  + 3 x  + x + 30
   - -------------------------------------------------------------------
                           4    3    2            4    3    2
```

$$(x - 1) (x + 1) (x + x + x + x + 1) (x - x + x - x + 1)$$

Sequence: A040919
Score: 4.97347
Type of gen. func.: ogf

$$- (30 x^{16} + x^{15} + 4 x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^{9} + 2 x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + 4 x^{2} + x + 30) / ((x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1) (x^{8} + 1))$$

Sequence: A040921
Score: 8.59288
Type of gen. func.: ogf

$$- \frac{30 x^{8} + x^{7} + 5 x^{6} + x^{5} + 6 x^{4} + x^{3} + 5 x^{2} + x + 30}{(x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1)}$$

Sequence: A040926
Score: 6.11644
Type of gen. func.: lgdogf

$$- (x^{10} + 28 x^{9} + 6 x^{8} + 56 x^{7} + 5 x^{6} + 360 x^{5} + 5 x^{4} + 56 x^{3} + 6 x^{2} + 28 x + 1) / ((x - 1) (x + 1) (x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (30 x^{4} + x^{3} - 16 x^{2} + x + 30))$$

Sequence: A040926
Score: 9.70166
Type of gen. func.: ogf

$$- \frac{(x^{2} + 1) (30 x^{4} + x^{3} - 16 x^{2} + x + 30)}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A040928
Score: 12.1271
Type of gen. func.: ogf

$$-\frac{(x^2 - x + 1)(30 x^2 + 31 x + 30)}{(x - 1)(x + 1)(x^2 + 1)}$$

Sequence: A040928
Score: 7.92923
Type of gen. func.: ogf

$$(85529 f(x) + 3079713)(f(x) x^4 + 30 x^4 + x^3 + 29 x^2 - f(x) + x + 30)$$

Sequence: A040928
Score: 9.28012
Type of gen. func.: lgdogf

$$-\frac{x^6 + 58 x^5 + 3 x^4 + 240 x^3 + 3 x^2 + 58 x + 1}{(x - 1)(x + 1)(x^2 + 1)(x^2 - x + 1)(30 x^2 + 31 x + 30)}$$

Sequence: A040929
Score: 12.1271
Type of gen. func.: lgdogf

$$-\frac{x^2 + 120 x + 1}{30 x^4 + x^3 - x - 30}$$

Sequence: A040929
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{30 x^2 + x + 30}{(x - 1)(x + 1)}$$

Sequence: A040929
Score: 20.1843
Type of gen. func.: lgdogf

$$-\frac{x^2 + 120 x + 1}{(x - 1) (x + 1) (30 x^2 + x + 30)}$$

Sequence: A040929
Score: 9.37091
Type of gen. func.: ogf

$$(216060 f(x) - 6481799) (f(x) x^2 + 30 x^2 - f(x) + x + 30)$$

Sequence: A040929
Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 30, a(1) = 1, a(2) = 60\}$$

Sequence: A040930
Score: 10.7497
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1), a(0) = 31, a(1) = 62\}$$

Sequence: A040930
Score: 16.9251
Type of gen. func.: ogf

$$-f(x) x + f(x) - 31 x - 31$$

Sequence: A040930
Score: 20.3969
Type of gen. func.: ogf

$$-\frac{31 (x + 1)}{x - 1}$$

Sequence: A040930
Score: 20.4976
Type of gen. func.: revogf

$$-\frac{x}{62} - 1/2 + \frac{(x^2 + 186\ x + 961)^{1/2}}{62}$$

Sequence: A040930
Score: 24.8588
Type of gen. func.: lgdogf

$$\frac{2}{-x^2 + 1}$$

Sequence: A040930
Score: 37.7338
Type of gen. func.: ogf_with_Euler_transform]

[2 - x]

Sequence: A040930
Score: 55.6363
Type of gen. func.: lgdogf

$$-\frac{2}{(x - 1)\ (x + 1)}$$

Sequence: A040931
Score: 12.4294
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4\ x + 1}{x^4 + x^3 - x - 1}$$

Sequence: A040931
Score: 15.2977

Type of gen. func.: ogf

$$-\frac{31 (x^2 + x + 1)}{(x - 1) (x + 1)}$$

Sequence: A040931
Score: 22.9091
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4 x + 1}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A040931
Score: 31.6964
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + x + 1$$

Sequence: A040931
Score: 9.14346
Type of gen. func.: ogf

{-a(n + 3) + a(n + 1), a(0) = 31, a(1) = 31, a(2) = 62}

Sequence: A040931
Score: 9.35861
Type of gen. func.: ogf

$$-(10 f(x) - 279) (f(x) x^2 + 31 x^2 - f(x) + 31 x + 31)$$

Sequence: A040933
Score: 10.6084
Type of gen. func.: ogf

$$-\frac{(x + 1) (31 x^4 - 16 x^3 + 17 x^2 - 16 x + 31)}{{}^{4} \quad {}^{3} \quad {}^{2}}$$

$(x - 1) (x + x + x + x + 1)$

Sequence: A040933
Score: 6.83536
Type of gen. func.: lgdogf

$$-(15 x^8 + 2 x^7 + 3 x^6 + 60 x^5 + 310 x^4 + 60 x^3 + 3 x^2 + 2 x + 15) / ((x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (31 x^4 - 16 x^3 + 17 x^2 - 16 x + 31))$$

Sequence: A040934
Score: 9.70166
Type of gen. func.: ogf

$$-\frac{31 x^6 + 12 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 12 x + 31}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A040936
Score: 10.3308
Type of gen. func.: ogf

$$-\frac{31 x^6 + 8 x^5 + x^4 + 6 x^3 + x^2 + 8 x + 31}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A040936
Score: 6.31271
Type of gen. func.: lgdogf

$$-2 (4 x^{10} + x^9 + 9 x^8 + 2 x^7 + 20 x^6 + 186 x^5 + 20 x^4 + 2 x^3 + 9 x^2 + x + 4) / ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (31 x^6 + 8 x^5 + x^4 + 6 x^3 + x^2 + 8 x + 31))$$

Sequence: A040937
Score: 4.97347
Type of gen. func.: ogf

$$-(31 x^{16} + 7 x^{15} + x^{14} + 3 x^{13} + 3 x^{12} + x^{11} + x^{10} + x^{9} + 2 x^{8} + x^{7} + x^{6} + x^{5} + 3 x^{4} + 3 x^{3} + x^{2} + 7 x + 31) / ((x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1) (x^{8} + 1))$$

Sequence: A040938
Score: 8.01243
Type of gen. func.: ogf

$$-(x + 1) (31 x^{8} - 25 x^{7} + 26 x^{6} - 17 x^{5} + 18 x^{4} - 17 x^{3} + 26 x^{2} - 25 x + 31) / ((x - 1) (x^{2} + x + 1) (x^{6} + x^{3} + 1))$$

Sequence: A040941
Score: 8.59288
Type of gen. func.: ogf

$$-\frac{31 x^{8} + 5 x^{7} + 5 x^{6} + 2 x^{5} + 8 x^{4} + 2 x^{3} + 5 x^{2} + 5 x + 31}{(x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1)}$$

Sequence: A040943
Score: 10.0361
Type of gen. func.: lgdogf

$$-\frac{4 (x^{6} + x^{5} + 3 x^{4} + 62 x^{3} + 3 x^{2} + x + 1)}{(x - 1) (x + 1) (x^{2} + 1) (31 x^{4} + 4 x^{3} + 2 x^{2} + 4 x + 31)}$$

Sequence: A040943
Score: 12.6973
Type of gen. func.: ogf

4 3 2

$$-\frac{31 x + 4 x + 2 x + 4 x + 31}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040943
Score: 8.68078
Type of gen. func.: ogf

$$(200 f(x) - 6111) (f(x) x^4 + 31 x^4 + 4 x^3 + 2 x^2 - f(x) + 4 x + 31)$$

Sequence: A040946
Score: 7.15342
Type of gen. func.: ogf

$$-\frac{31 x^{10} + 3 x^9 + x^8 + x^7 + x^6 + 30 x^5 + x^4 + x^3 + x^2 + 3 x + 31}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A040947
Score: 7.38431
Type of gen. func.: ogf

$$-\frac{(x^2 + 1) (31 x^8 + 3 x^7 - 29 x^6 + 2 x^5 + 30 x^4 + 2 x^3 - 29 x^2 + 3 x + 31)}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A040948
Score: 7.38431
Type of gen. func.: ogf

$$-\frac{31 x^{10} + 3 x^9 + 3 x^8 + x^7 + x^6 + 2 x^5 + x^4 + x^3 + 3 x^2 + 3 x + 31}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A040950
Score: 10.0445
Type of gen. func.: ogf

$$-\frac{31 x^{6} + 2 x^{5} + x^{4} + 30 x^{3} + x^{2} + 2 x + 31}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A040950
Score: 6.25876
Type of gen. func.: lgdogf

$$- 2 (x^{10} + x^{9} + 45 x^{8} + 2 x^{7} + 5 x^{6} + 186 x^{5} + 5 x^{4} + 2 x^{3} + 45 x^{2} + x + 1) \Big/ ((x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (31 x^{6} + 2 x^{5} + x^{4} + 30 x^{3} + x^{2} + 2 x + 31))$$

Sequence: A040951
Score: 8.50717
Type of gen. func.: ogf

$$-\frac{(x^{2} - x + 1) (31 x^{6} + 33 x^{5} + 3 x^{4} - 25 x^{3} + 3 x^{2} + 33 x + 31)}{(x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1)}$$

Sequence: A040952
Score: 7.38431
Type of gen. func.: ogf

$$-\frac{31 x^{10} + 2 x^{9} + x^{8} + 2 x^{7} + 2 x^{6} + 7 x^{5} + 2 x^{4} + 2 x^{3} + x^{2} + 2 x + 31}{(x - 1) (x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A040953
Score: 11.2547
Type of gen. func.: ogf

$$-\frac{(x + 1) (31 x^{4} - 29 x^{3} + 30 x^{2} - 29 x + 31)}{(x - 1) (x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A040953
Score: 7.31268
Type of gen. func.: lgdogf

$$-(2 x^8 + 2 x^7 + 3 x^6 + 8 x^5 + 310 x^4 + 8 x^3 + 3 x^2 + 2 x + 2) / ((x - 1) (x + 1) (31 x^4 - 29 x^3 + 30 x^2 - 29 x + 31) (x^4 + x^3 + x^2 + x + 1))$$

Sequence: A040954
Score: 12.5175
Type of gen. func.: lgdogf

$$-\frac{2 (x^4 + 2 x^3 + 93 x^2 + 2 x + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (31 x^2 - 29 x + 31)}$$

Sequence: A040954
Score: 14.3006
Type of gen. func.: ogf

$$-\frac{(x + 1) (31 x^2 - 29 x + 31)}{(x - 1) (x^2 + x + 1)}$$

Sequence: A040954
Score: 8.60953
Type of gen. func.: ogf

{a(n + 4) - a(n + 1), a(0) = 31, a(1) = 2, a(2) = 2, a(3) = 62}

Sequence: A040954
Score: 9.17102
Type of gen. func.: ogf

$$-(21 f(x) - 649) (f(x) x^3 + 31 x^3 + 2 x^2 - f(x) + 2 x + 31)$$

Sequence: A040955
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{31 x^4 + 2 x^3 + 2 x^2 + 2 x + 31}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040955
Score: 8.86163
Type of gen. func.: ogf

$$(16 f(x) - 493) (f(x) x^4 + 31 x^4 + 2 x^3 + 2 x^2 - f(x) + 2 x + 31)$$

Sequence: A040955
Score: 9.46584
Type of gen. func.: lgdogf

$$-\frac{2 (x^6 + 2 x^5 + 3 x^4 + 124 x^3 + 3 x^2 + 2 x + 1)}{(x - 1) (x + 1) (x^2 + 1) (31 x^4 + 2 x^3 + 2 x^2 + 2 x + 31)}$$

Sequence: A040958
Score: 12.6973
Type of gen. func.: ogf

$$-\frac{31 x^4 + 2 x^3 + 6 x^2 + 2 x + 31}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A040958
Score: 8.25939
Type of gen. func.: ogf

$$-(833 f(x) - 24912) (f(x) x^4 + 31 x^4 + 2 x^3 + 6 x^2 - f(x) + 2 x + 31)$$

Sequence: A040958

Score: 9.46584
Type of gen. func.: lgdogf

$$-\frac{2\,(x^6+6\,x^5+3\,x^4+124\,x^3+3\,x^2+6\,x+1)}{(x-1)\,(x+1)\,(x^2+1)\,(31\,x^4+2\,x^3+6\,x^2+2\,x+31)}$$

Sequence: A040960
Score: 12.1271
Type of gen. func.: lgdogf

$$-\frac{2\,x^2+124\,x+2}{31\,x^4+2\,x^3-2\,x-31}$$

Sequence: A040960
Score: 14.9935
Type of gen. func.: ogf

$$-f(x)\,x^2-31\,x^2+f(x)-2\,x-31$$

Sequence: A040960
Score: 16.1694
Type of gen. func.: ogf

$$-\frac{31\,x^2+2\,x+31}{(x-1)\,(x+1)}$$

Sequence: A040960
Score: 18.7761
Type of gen. func.: lgdogf

$$-\frac{2\,(x^2+62\,x+1)}{(x-1)\,(x+1)\,(31\,x^2+2\,x+31)}$$

Sequence: A040960

Score: 9.58885
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 31, a(1) = 2, a(2) = 62\}$$

Sequence: A040961
Score: 10.0445
Type of gen. func.: ogf

$$-\frac{31 x^6 + x^5 + x^4 + 20 x^3 + x^2 + x + 31}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A040961
Score: 6.35505
Type of gen. func.: lgdogf

$$- (x^{10} + 2 x^9 + 60 x^8 + 4 x^7 + 5 x^6 + 372 x^5 + 5 x^4 + 4 x^3 + 60 x^2 + 2 x + 1)$$

$$/ \ ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)$$

$$(31 x^6 + x^5 + x^4 + 20 x^3 + x^2 + x + 31))$$

Sequence: A040962
Score: 10.3308
Type of gen. func.: ogf

$$-\frac{31 x^6 + x^5 + x^4 + 8 x^3 + x^2 + x + 31}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A040962
Score: 6.50846
Type of gen. func.: lgdogf

$$- (x^{10} + 2 x^9 + 24 x^8 + 4 x^7 + 5 x^6 + 372 x^5 + 5 x^4 + 4 x^3 + 24 x^2 + 2 x + 1)$$

$$/ \ ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)$$

$$(31 x^{6} + x^{5} + x^{4} + 8 x^{3} + x^{2} + x + 31))$$

Sequence: A040963
Score: 6.30482
Type of gen. func.: ogf

$$- (31 x^{12} + x^{11} + x^{10} + 5 x^{9} + 4 x^{8} + 3 x^{7} + 12 x^{6} + 3 x^{5} + 4 x^{4} + 5 x^{3} + x^{2} + x + 31) \Big/ ((x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1))$$

Sequence: A040977
Score: 16.3700
Type of gen. func.: lgdogf

$$- \frac{6 x + 8}{x^{2} - 1}$$

Sequence: A040977
Score: 32.1043
Type of gen. func.: lgdogf

$$- \frac{2 (4 + 3 x)}{(x - 1) (x + 1)}$$

Sequence: A040977
Score: 33.9972
Type of gen. func.: ogf_with_Euler_transform]

$$[8 - x]$$

Sequence: A040977
Score: 5.33541
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 3) + 8 a(n + 2) + (7 + n) a(n + 1), a(0) = 1, a(1) = 8,$$

a(2) = 35}

Sequence: A040977
Score: 8.09304
Type of gen. func.: ogf

$$-\frac{x+1}{(x-1)^7}$$

Sequence: A041001
Score: 7.42941
Type of gen. func.: lgdogf

$$\frac{-\frac{16x-1}{(-1+4x)^{1/2}}+I}{(-1+4x)^{1/2}\,x}$$

Sequence: A041001
Score: 9.73612
Type of gen. func.: lgdogf

$$-28+256x+(128x^2-40x+2)f(x)+(16x^3-8x^2+x)f(x)^2$$

Sequence: A041005
Score: 10.0036
Type of gen. func.: lgdogf

$$-32+324x+(144x^2-44x+2)f(x)+(16x^3-8x^2+x)f(x)^2$$

Sequence: A041005
Score: 3.07626
Type of gen. func.: ogf

$$\{(-16n^2-184n-528)a(n+1)+(8n^2+78n+172)a(n+2)$$

$$+(-n^2-8n-15)a(n+3),\ a(0)=1,\ a(1)=16,\ a(2)=159\}$$

Sequence: A041005
Score: 7.62912
Type of gen. func.: lgdogf

$$\frac{-\frac{18 x - 1}{(-1 + 4 x)^{1/2}} + I}{(-1 + 4 x)^{1/2} x}$$

Sequence: A041006
Score: 11.2858
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 - 3 x - 2)}{x^4 - 10 x^2 + 1}$$

Sequence: A041006
Score: 6.59167
Type of gen. func.: ogf

$$-(21144 f(x) + 7613) (f(x) x^4 - 10 f(x) x^2 + x^3 - 2 x^2 + f(x) - 5 x - 2)$$

Sequence: A041006
Score: 7.33086
Type of gen. func.: lgdogf

$$-\frac{x^6 - 4 x^5 - 5 x^4 - 8 x^3 + 47 x^2 + 44 x + 5}{(x + 1) (x^2 - 3 x - 2) (x^4 - 10 x^2 + 1)}$$

Sequence: A041007
Score: 5.57781
Type of gen. func.: ogf

$$(1762 f(x) + 19) (f(x) x^4 - 10 f(x) x^2 + x^2 + f(x) - 2 x - 1)$$

Sequence: A041007
Score: 9.42457
Type of gen. func.: ogf

$$-\frac{x^2 - 2x - 1}{x^4 - 10x^2 + 1}$$

Sequence: A041007
Score: 9.70750
Type of gen. func.: lgdogf

$$-\frac{2(x^3 - 5x^2 + 7x + 1)(x + 1)^2}{(x^2 - 2x - 1)(x^4 - 10x^2 + 1)}$$

Sequence: A041008
Score: 5.90996
Type of gen. func.: ogf

$$-\frac{x^7 - 2x^6 + 3x^5 - 5x^4 - 8x^3 - 5x^2 - 3x - 2}{x^8 - 16x^4 + 1}$$

Sequence: A041009
Score: 6.53787
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + 3x^2 + 1)}{x^8 - 16x^4 + 1}$$

Sequence: A041010
Score: 10.2573
Type of gen. func.: ogf

3 2

$$\frac{2 x - 3 x + 2 x + 1}{(x^2 + 2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A041010
Score: 6.80239
Type of gen. func.: ogf

$$-(2704 f(x) + 1861) (f(x) x^4 - 6 f(x) x^2 + x^3 - 2 x^2 + f(x) - 3 x - 2)$$

Sequence: A041010
Score: 7.87056
Type of gen. func.: lgdogf

$$- \frac{2 (x^6 - 3 x^5 + 9 x^4 + 2 x^3 - 9 x^2 - 3 x - 1)}{(x^2 + 2 x - 1) (x^2 - 2 x - 1) (2 x^3 - 3 x^2 + 2 x + 1)}$$

Sequence: A041011
Score: 10.9842
Type of gen. func.: ogf

$$- \frac{x (x^2 - x - 1)}{(x^2 + 2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A041011
Score: 6.94726
Type of gen. func.: ogf

$$(338 f(x) - 1) (f(x) x^4 - 6 f(x) x^2 + x^2 + f(x) - x - 1)$$

Sequence: A041011
Score: 9.84825
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - 3 x^4 - 4 x^3 + 6 x^2 + 10 x + 1}{}$$

$$(x^2 + 2 x - 1) (x^2 - 2 x - 1) (x^2 - x - 1)$$

Sequence: A041014
Score: 4.68388
Type of gen. func.: ogf

$$-(499026 f(x) + 122473) (f(x) x^4 - 20 f(x) x^2 + x^3 - 3 x^2 + f(x) - 10 x - 3)$$

Sequence: A041014
Score: 6.95890
Type of gen. func.: lgdogf

$$- \frac{x^6 - 6 x^5 - 10 x^4 - 12 x^3 + 197 x^2 + 126 x + 10}{(x^3 - 3 x^2 - 10 x - 3) (x^4 - 20 x^2 + 1)}$$

Sequence: A041014
Score: 8.17931
Type of gen. func.: ogf

$$- \frac{x^3 - 3 x^2 - 10 x - 3}{x^4 - 20 x^2 + 1}$$

Sequence: A041015
Score: 5.52186
Type of gen. func.: ogf

$$-(15122 f(x) + 39) (f(x) x^4 - 20 f(x) x^2 + x^2 + f(x) - 3 x - 1)$$

Sequence: A041015
Score: 9.12110
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - 9 x^4 - 4 x^3 + 60 x^2 + 38 x + 3}{(x^2 - 3 x - 1) (x^4 - 20 x^2 + 1)}$$

Sequence: A041015
Score: 9.80605
Type of gen. func.: ogf

$$-\frac{x^2 - 3x - 1}{x^4 - 20x^2 + 1}$$

Sequence: A041016
Score: 5.22582
Type of gen. func.: ogf

$$-(60504 f(x) + 22049) (f(x) x^4 - 14 f(x) x^2 + x^3 - 3 x^2 + f(x) - 7 x - 3)$$

Sequence: A041016
Score: 7.20001
Type of gen. func.: lgdogf

$$-\frac{x^6 - 6x^5 - 7x^4 - 12x^3 + 95x^2 + 90x + 7}{(x + 1)(x^2 + 4x + 1)(x^2 - 4x + 1)(x^2 - 4x - 3)}$$

Sequence: A041016
Score: 9.02641
Type of gen. func.: ogf

$$-\frac{(x + 1)(x^2 - 4x - 3)}{(x^2 - 4x + 1)(x^2 + 4x + 1)}$$

Sequence: A041017
Score: 5.75907
Type of gen. func.: ogf

$$(5042 f(x) - 29) (f(x) x^4 - 14 f(x) x^2 + x^2 + f(x) - 2 x - 1)$$

Sequence: A041017
Score: 7.99777
Type of gen. func.: lgdogf

$$-\frac{2 (x + 1) (x^{4} - 4 x^{3} + 2 x^{2} + 12 x + 1)}{(x^{2} - 4 x + 1) (x^{2} + 4 x + 1) (x^{2} - 2 x - 1)}$$

Sequence: A041017
Score: 9.73083
Type of gen. func.: ogf

$$-\frac{x^{2} - 2 x - 1}{(x^{2} - 4 x + 1) (x^{2} + 4 x + 1)}$$

Sequence: A041018
Score: 5.13656
Type of gen. func.: ogf

$$-\frac{x^{9} - 3 x^{8} + 4 x^{7} - 7 x^{6} + 11 x^{5} + 18 x^{4} + 11 x^{3} + 7 x^{2} + 4 x + 3}{x^{10} + 36 x^{5} - 1}$$

Sequence: A041019
Score: 7.67557
Type of gen. func.: ogf

$$-\frac{(x^{4} + 2 x^{3} + 4 x^{2} + 3 x + 1) (x^{4} - 3 x^{3} + 4 x^{2} - 2 x + 1)}{x^{10} + 36 x^{5} - 1}$$

Sequence: A041020
Score: 5.90641
Type of gen. func.: ogf

$$-\frac{x^{7} - 3 x^{6} + 4 x^{5} - 11 x^{4} - 15 x^{3} - 11 x^{2} - 4 x - 3}{}$$

$$x^8 - 30 x^4 + 1$$

Sequence: A041021
Score: 6.47928
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1) (x^4 + 4 x^2 + 1)}{x^8 - 30 x^4 + 1}$$

Sequence: A041022
Score: 4.89592
Type of gen. func.: ogf

$$-(2598 f(x) + 1835) (f(x) x^4 - 8 f(x) x^2 + x^3 - 3 x^2 + f(x) - 4 x - 3)$$

Sequence: A041022
Score: 7.47513
Type of gen. func.: lgdogf

$$-\frac{x^6 - 6 x^5 - 4 x^4 - 12 x^3 + 29 x^2 + 54 x + 4}{(x^3 - 3 x^2 - 4 x - 3) (x^4 - 8 x^2 + 1)}$$

Sequence: A041022
Score: 8.36072
Type of gen. func.: ogf

$$-\frac{x^3 - 3 x^2 - 4 x - 3}{x^4 - 8 x^2 + 1}$$

Sequence: A041023
Score: 5.66656
Type of gen. func.: ogf

$$(866 f(x) - 17) (f(x) x^4 - 8 f(x) x^2 + x^2 + f(x) - x - 1)$$

Sequence: A041023
Score: 9.31781
Type of gen. func.: lgdogf

$$-\frac{2x^5-3x^4-4x^3+8x^2+14x+1}{(x^2-x-1)(x^4-8x^2+1)}$$

Sequence: A041023
Score: 9.54370
Type of gen. func.: ogf

$$-\frac{x^2-x-1}{x^4-8x^2+1}$$

Sequence: A041024
Score: 13.0210
Type of gen. func.: ogf

$$-\frac{x+4}{x^2+8x-1}$$

Sequence: A041024
Score: 15.9491
Type of gen. func.: revogf

$$\frac{-2-4x+(17x^2+17x+4)^{1/2}}{x+1}$$

Sequence: A041024
Score: 18.5215
Type of gen. func.: lgdogf

$$-\frac{x^2+8x+33}{}$$

$$(x + 4) (x^2 + 8 x - 1)$$

Sequence: A041024
Score: 6.73498
Type of gen. func.: ogf

$$(272 f(x) + 1) (f(x) x^2 + 8 f(x) x - f(x) + x + 4)$$

Sequence: A041024
Score: 7.05957
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) - a(n), a(0) = 4, a(1) = 33\}$$

Sequence: A041024
Score: 8.74543
Type of gen. func.: lgdogf

$$- \frac{x^2 + 8 x + 33}{x^3 + 12 x^2 + 31 x - 4}$$

Sequence: A041025
Score: 14.3346
Type of gen. func.: lgdogf

$$- \frac{-2 x - 8}{-x^2 - 8 x + 1}$$

Sequence: A041025
Score: 18.7745
Type of gen. func.: revogf

$$\frac{-1 - 8 x + (68 x^2 + 16 x + 1)^{1/2}}{2 x}$$

Sequence: A041025
Score: 20.8504
Type of gen. func.: ogf

$$-\frac{1}{x^2 + 8 x - 1}$$

Sequence: A041025
Score: 33.7942
Type of gen. func.: lgdogf

$$-\frac{2 (x + 4)}{x^2 + 8 x - 1}$$

Sequence: A041025
Score: 8.00072
Type of gen. func.: ogf

$$-(33 f(x) - 1) (f(x) x^2 + 8 f(x) x - f(x) + 1)$$

Sequence: A041025
Score: 8.39100
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) + a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A041026
Score: 4.25583
Type of gen. func.: ogf

$$-(5483664 f(x) + 1017521) (f(x) x^4 - 34 f(x) x^2 + x^3 - 4 x^2 + f(x) - 17 x - 4)$$

Sequence: A041026
Score: 5.75193
Type of gen. func.: lgdogf

6 5 4 3 2

```
                 x  - 8 x  - 17 x  - 16 x  + 575 x  + 280 x + 17
             - ----------------------------------------------------
                 2            2              3      2
               (x  + 6 x + 1) (x  - 6 x + 1) (x  - 4 x  - 17 x - 4)
```

```
------------------------------------------------------------------------------
```

Sequence: A041026
Score: 7.55887
Type of gen. func.: ogf

```
                               3      2
                              x  - 4 x  - 17 x - 4
                        - -----------------------------
                            2              2
                          (x  + 6 x + 1) (x  - 6 x + 1)
```

```
------------------------------------------------------------------------------
```

Sequence: A041027
Score: 5.17709
Type of gen. func.: ogf

```
                                  4            2    2
        -(76162 f(x) + 67) (f(x) x  - 34 f(x) x  + x  + f(x) - 4 x - 1)
```

```
------------------------------------------------------------------------------
```

Sequence: A041027
Score: 7.44653
Type of gen. func.: lgdogf

```
                         5      4      3       2
                     2 (x  - 6 x  - 2 x  + 68 x  + 33 x + 2)
                 - --------------------------------------------
                     2              2              2
                   (x  + 6 x + 1) (x  - 6 x + 1) (x  - 4 x - 1)
```

```
------------------------------------------------------------------------------
```

Sequence: A041027
Score: 9.19379
Type of gen. func.: ogf

```
                                   2
                                  x  - 4 x - 1
                        - -----------------------------
                            2              2
                          (x  + 6 x + 1) (x  - 6 x + 1)
```

```
------------------------------------------------------------------------------
```

Sequence: A041028
Score: 3.98960
Type of gen. func.: ogf

$$-(x^{11} - 4 x^{10} + 9 x^{9} - 13 x^{8} + 48 x^{7} - 61 x^{6} - 170 x^{5} - 61 x^{4} - 48 x^{3} - 13 x^{2} - 9 x - 4) / (x^{12} - 340 x^{6} + 1)$$

Sequence: A041029
Score: 4.38591
Type of gen. func.: ogf

$$-(x^{10} - 2 x^{9} + 3 x^{8} - 11 x^{7} + 14 x^{6} - 39 x^{5} - 14 x^{4} - 11 x^{3} - 3 x^{2} - 2 x - 1) / (x^{12} - 340 x^{6} + 1)$$

Sequence: A041030
Score: 4.59303
Type of gen. func.: ogf

$$-(437840 f(x) + 160657) (f(x) x^{4} - 18 f(x) x^{2} + x^{3} - 4 x^{2} + f(x) - 9 x - 4)$$

Sequence: A041030
Score: 6.27244
Type of gen. func.: lgdogf

$$-\frac{x^{6} - 8 x^{5} - 9 x^{4} - 16 x^{3} + 159 x^{2} + 152 x + 9}{(x + 1) (x^{2} - 5 x - 4) (x^{2} + 4 x - 1) (x^{2} - 4 x - 1)}$$

Sequence: A041030
Score: 8.07259
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^{2} - 5 x - 4)}{(x^{2} + 4 x - 1) (x^{2} - 4 x - 1)}$$

Sequence: A041031
Score: 5.29044

Type of gen. func.: ogf

$$-(10946 f(x) - 109) (f(x) x^4 - 18 f(x) x^2 + x^2 + f(x) - 2 x - 1)$$

Sequence: A041031
Score: 7.79480
Type of gen. func.: lgdogf

$$-\frac{2 (x + 1) (x^4 - 4 x^3 + 2 x^2 + 16 x + 1)}{(x^2 + 4 x - 1) (x^2 - 4 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A041031
Score: 9.48629
Type of gen. func.: ogf

$$-\frac{x^2 - 2 x - 1}{(x^2 + 4 x - 1) (x^2 - 4 x - 1)}$$

Sequence: A041032
Score: 4.29111
Type of gen. func.: ogf

$$- (x^{11} - 4 x^{10} + 5 x^9 - 9 x^8 + 23 x^7 - 32 x^6 - 55 x^5 - 32 x^4 - 23 x^3 - 9 x^2 - 5 x - 4) \Big/ ((x^4 - 5 x^2 + 1) (x^8 + 5 x^6 + 24 x^4 + 5 x^2 + 1))$$

Sequence: A041033
Score: 4.75698
Type of gen. func.: ogf

$$-\frac{(x^6 - 6 x^3 - 1) (x^4 - x^3 + 2 x^2 + x + 1)}{(x^4 - 5 x^2 + 1) (x^8 + 5 x^6 + 24 x^4 + 5 x^2 + 1)}$$

Sequence: A041034
Score: 4.00125
Type of gen. func.: ogf

$$-(x^{11} - 4 x^{10} + 5 x^{9} - 14 x^{8} + 61 x^{7} - 136 x^{6} - 197 x^{5} - 136 x^{4} - 61 x^{3} - 14 x^{2} - 5 x - 4) / (x^{12} - 394 x^{6} + 1)$$

Sequence: A041035
Score: 4.43603
Type of gen. func.: ogf

$$-\frac{x^{10} - x^{9} + 3 x^{8} - 13 x^{7} + 29 x^{6} - 42 x^{5} - 29 x^{4} - 13 x^{3} - 3 x^{2} - x - 1}{x^{12} - 394 x^{6} + 1}$$

Sequence: A041036
Score: 5.67288
Type of gen. func.: ogf

$$-\frac{x^{7} - 4 x^{6} + 5 x^{5} - 19 x^{4} - 24 x^{3} - 19 x^{2} - 5 x - 4}{x^{8} - 48 x^{4} + 1}$$

Sequence: A041037
Score: 6.29899
Type of gen. func.: ogf

$$-\frac{(x^{2} - x - 1) (x^{4} + 5 x^{2} + 1)}{x^{8} - 48 x^{4} + 1}$$

Sequence: A041038
Score: 4.67574
Type of gen. func.: ogf

$$-(42288 f(x) + 30305) (f(x) x^{4} - 10 f(x) x^{2} + x^{3} - 4 x^{2} + f(x) - 5 x - 4)$$

Sequence: A041038
Score: 7.22905
Type of gen. func.: lgdogf

$$-\frac{x^6 - 8 x^5 - 5 x^4 - 16 x^3 + 47 x^2 + 88 x + 5}{(x^3 - 4 x^2 - 5 x - 4) (x^4 - 10 x^2 + 1)}$$

Sequence: A041038
Score: 8.07626
Type of gen. func.: ogf

$$-\frac{x^3 - 4 x^2 - 5 x - 4}{x^4 - 10 x^2 + 1}$$

Sequence: A041039
Score: 5.74799
Type of gen. func.: ogf

$$(1762 f(x) - 41) (f(x) x^4 - 10 f(x) x^2 + x^2 + f(x) - x - 1)$$

Sequence: A041039
Score: 9.32930
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 3 x^4 - 4 x^3 + 10 x^2 + 18 x + 1}{(x^2 - x - 1) (x^4 - 10 x^2 + 1)}$$

Sequence: A041039
Score: 9.71214
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{x^4 - 10 x^2 + 1}$$

Sequence: A041040
Score: 12.0642
Type of gen. func.: ogf

$$-\frac{x+5}{x^2+10x-1}$$

Sequence: A041040
Score: 12.3498
Type of gen. func.: revogf

$$\frac{-5-10x+(104x^2+104x+25)^{1/2}}{2(x+1)}$$

Sequence: A041040
Score: 16.4664
Type of gen. func.: lgdogf

$$-\frac{x^2+10x+51}{(x+5)(x^2+10x-1)}$$

Sequence: A041040
Score: 6.30627
Type of gen. func.: ogf

$$(520 f(x)+1)(f(x) x^2+10 f(x) x-f(x)+x+5)$$

Sequence: A041040
Score: 6.60656
Type of gen. func.: ogf

$$\{a(n+2)-10 a(n+1)-a(n), a(0)=5, a(1)=51\}$$

Sequence: A041040
Score: 8.16104

Type of gen. func.: lgdogf

$$-\frac{x^2 + 10 x + 51}{x^3 + 15 x^2 + 49 x - 5}$$

Sequence: A041041
Score: 13.9601
Type of gen. func.: lgdogf

$$-\frac{-2 x - 10}{-x^2 - 10 x + 1}$$

Sequence: A041041
Score: 18.0532
Type of gen. func.: revogf

$$\frac{-10 x - 1 + (104 x^2 + 20 x + 1)^{1/2}}{2 x}$$

Sequence: A041041
Score: 20.5296
Type of gen. func.: ogf

$$-\frac{1}{x^2 + 10 x - 1}$$

Sequence: A041041
Score: 32.6677
Type of gen. func.: lgdogf

$$-\frac{2 (x + 5)}{x^2 + 10 x - 1}$$

Sequence: A041041
Score: 8.02305

Type of gen. func.: ogf

$$-(51 f(x) - 1) (f(x) x^{2} + 10 f(x) x - f(x) + 1)$$

Sequence: A041041
Score: 8.30958
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) + a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A041042
Score: 4.68657
Type of gen. func.: ogf

$$-(37206270 f(x) + 5543801) (f(x) x^{4} - 52 f(x) x^{2} + x^{3} - 5 x^{2} + f(x) - 26 x - 5)$$

Sequence: A041042
Score: 6.96975
Type of gen. func.: lgdogf

$$-\frac{x^{6} - 10 x^{5} - 26 x^{4} - 20 x^{3} + 1349 x^{2} + 530 x + 26}{(x^{3} - 5 x^{2} - 26 x - 5) (x^{4} - 52 x^{2} + 1)}$$

Sequence: A041042
Score: 8.39385
Type of gen. func.: ogf

$$-\frac{x^{3} - 5 x^{2} - 26 x - 5}{x^{4} - 52 x^{2} + 1}$$

Sequence: A041043
Score: 10.0718
Type of gen. func.: ogf

$$-\frac{x^{2} - 5 x - 1}{}$$

$$x^4 - 52 x^2 + 1$$

Sequence: A041043
Score: 5.5635
Type of gen. func.: ogf

$$-(275602 f(x) + 103) (f(x) x^4 - 52 f(x) x^2 + x^2 + f(x) - 5 x - 1)$$

Sequence: A041043
Score: 8.94038
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - 15 x^4 - 4 x^3 + 260 x^2 + 102 x + 5}{(x^2 - 5 x - 1) (x^4 - 52 x^2 + 1)}$$

Sequence: A041044
Score: 5.47555
Type of gen. func.: ogf

$$- \frac{x^7 - 5 x^6 + 16 x^5 - 37 x^4 - 127 x^3 - 37 x^2 - 16 x - 5}{(x^4 - 16 x^2 + 1) (x^4 + 16 x^2 + 1)}$$

Sequence: A041045
Score: 6.30507
Type of gen. func.: ogf

$$- \frac{(x^2 - 3 x - 1) (x^4 + 8 x^2 + 1)}{(x^4 - 16 x^2 + 1) (x^4 + 16 x^2 + 1)}$$

Sequence: A041046
Score: 4.71055
Type of gen. func.: ogf

$$x^9 - 5 x^8 + 11 x^7 - 16 x^6 + 27 x^5 + 70 x^4 + 27 x^3 + 16 x^2 + 11 x + 5$$

$$- \frac{}{x^{10} + 140 x^{5} - 1}$$

Sequence: A041047
Score: 5.17111
Type of gen. func.: ogf

$$- \frac{x^{8} - 2 x^{7} + 3 x^{6} - 5 x^{5} + 13 x^{4} + 5 x^{3} + 3 x^{2} + 2 x + 1}{x^{10} + 140 x^{5} - 1}$$

Sequence: A041048
Score: 11.3366
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^{2} - 6 x - 5)}{x^{4} - 22 x^{2} + 1}$$

Sequence: A041048
Score: 6.49192
Type of gen. func.: ogf

$$-(607260 f(x) + 223783) (f(x) x^{4} - 22 f(x) x^{2} + x^{3} - 5 x^{2} + f(x) - 11 x - 5)$$

Sequence: A041048
Score: 9.69924
Type of gen. func.: lgdogf

$$- \frac{x^{6} - 10 x^{5} - 11 x^{4} - 20 x^{3} + 239 x^{2} + 230 x + 11}{(x + 1) (x^{2} - 6 x - 5) (x^{4} - 22 x^{2} + 1)}$$

Sequence: A041049
Score: 5.29747
Type of gen. func.: ogf

$${}^{4} \qquad {}^{2} \quad {}^{2}$$

$$(20242 f(x) - 221) (f(x) x - 22 f(x) x + x + f(x) - 2 x - 1)$$

Sequence: A041049
Score: 8.62614
Type of gen. func.: lgdogf

$$-\frac{2 (x + 1) (x^4 - 4 x^3 + 2 x^2 + 20 x + 1)}{(x^2 - 2 x - 1) (x^4 - 22 x^2 + 1)}$$

Sequence: A041049
Score: 9.13355
Type of gen. func.: ogf

$$-\frac{x^2 - 2 x - 1}{x^4 - 22 x^2 + 1}$$

Sequence: A041052
Score: 5.64523
Type of gen. func.: ogf

$$-\frac{x^7 - 5 x^6 + 6 x^5 - 11 x^4 - 17 x^3 - 11 x^2 - 6 x - 5}{(x^2 + 2 x - 1) (x^2 - 2 x - 1) (x^4 + 6 x^2 + 1)}$$

Sequence: A041053
Score: 6.73844
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1) (x^4 + 3 x^2 + 1)}{(x^2 + 2 x - 1) (x^2 - 2 x - 1) (x^4 + 6 x^2 + 1)}$$

Sequence: A041054
Score: 5.64101
Type of gen. func.: ogf

$$-\frac{x^7 - 5 x^6 + 6 x^5 - 17 x^4 - 23 x^3 - 17 x^2 - 6 x - 5}{x^8 - 46 x^4 + 1}$$

Sequence: A041055
Score: 6.55506
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1) (x^4 + 4 x^2 + 1)}{x^8 - 46 x^4 + 1}$$

Sequence: A041056
Score: 5.53799
Type of gen. func.: ogf

$$-\frac{x^7 - 5 x^6 + 6 x^5 - 29 x^4 - 35 x^3 - 29 x^2 - 6 x - 5}{x^8 - 70 x^4 + 1}$$

Sequence: A041057
Score: 6.18740
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1) (x^4 + 6 x^2 + 1)}{x^8 - 70 x^4 + 1}$$

Sequence: A041058
Score: 5.07132
Type of gen. func.: ogf

$$-(109270 f(x) + 79021) (f(x) x^4 - 12 f(x) x^2 + x^3 - 5 x^2 + f(x) - 6 x - 5)$$

Sequence: A041058
Score: 7.71161
Type of gen. func.: lgdogf

$$-\frac{x^6 - 10x^5 - 6x^4 - 20x^3 + 69x^2 + 130x + 6}{(x^3 - 5x^2 - 6x - 5)(x^4 - 12x^2 + 1)}$$

Sequence: A041058
Score: 8.83638
Type of gen. func.: ogf

$$-\frac{x^3 - 5x^2 - 6x - 5}{x^4 - 12x^2 + 1}$$

Sequence: A041059
Score: 5.43912
Type of gen. func.: ogf

$$(3122 f(x) - 73) (f(x) x^4 - 12 f(x) x^2 + x^2 + f(x) - x - 1)$$

Sequence: A041059
Score: 8.82189
Type of gen. func.: lgdogf

$$-\frac{2x^5 - 3x^4 - 4x^3 + 12x^2 + 22x + 1}{(x^2 - x - 1)(x^4 - 12x^2 + 1)}$$

Sequence: A041059
Score: 9.19022
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{x^4 - 12x^2 + 1}$$

Sequence: A041060
Score: 11.6408
Type of gen. func.: ogf

$$-\frac{x + 6}{x^2 + 12 x - 1}$$

Sequence: A041060
Score: 14.5596
Type of gen. func.: revogf

$$\frac{-3 - 6 x + (37 x^2 + 37 x + 9)^{1/2}}{x + 1}$$

Sequence: A041060
Score: 15.8831
Type of gen. func.: lgdogf

$$-\frac{x^2 + 12 x + 73}{(x + 6) (x^2 + 12 x - 1)}$$

Sequence: A041060
Score: 6.08497
Type of gen. func.: ogf

$$(888 f(x) + 1) (f(x) x^2 + 12 f(x) x - f(x) + x + 6)$$

Sequence: A041060
Score: 6.37473
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) - a(n), a(0) = 6, a(1) = 73\}$$

Sequence: A041060
Score: 7.87466
Type of gen. func.: lgdogf

$$-\frac{x^2 + 12 x + 73}{}$$

$$x^3 + 18 x^2 + 71 x - 6$$

Sequence: A041061
Score: 14.3795
Type of gen. func.: lgdogf

$$- \frac{-2 x - 12}{-x^2 - 12 x + 1}$$

Sequence: A041061
Score: 18.6051
Type of gen. func.: revogf

$$\frac{-1 - 12 x + (148 x^2 + 24 x + 1)^{1/2}}{2 x}$$

Sequence: A041061
Score: 21.1463
Type of gen. func.: ogf

$$- \frac{1}{x^2 + 12 x - 1}$$

Sequence: A041061
Score: 33.6663
Type of gen. func.: lgdogf

$$- \frac{2 (x + 6)}{x^2 + 12 x - 1}$$

Sequence: A041061
Score: 8.26409
Type of gen. func.: ogf

$$-(73 f(x) - 1) (f(x) x^2 + 12 f(x) x - f(x) + 1)$$

Sequence: A041061
Score: 8.55923
Type of gen. func.: ogf

$$\{-a(n+2) + 12\, a(n+1) + a(n),\ a(0) = 1,\ a(1) = 12\}$$

Sequence: A041062
Score: 4.38294
Type of gen. func.: ogf

$$-(182218056\, f(x) + 22671901)$$

$$(f(x)\, x^4 - 74\, f(x)\, x^2 + x^3 - 6\, x^2 + f(x) - 37\, x - 6)$$

Sequence: A041062
Score: 6.62224
Type of gen. func.: lgdogf

$$-\frac{x^6 - 12\, x^5 - 37\, x^4 - 24\, x^3 + 2735\, x^2 + 900\, x + 37}{(x^3 - 6\, x^2 - 37\, x - 6)\, (x^4 - 74\, x^2 + 1)}$$

Sequence: A041062
Score: 7.98087
Type of gen. func.: ogf

$$-\frac{x^3 - 6\, x^2 - 37\, x - 6}{x^4 - 74\, x^2 + 1}$$

Sequence: A041063
Score: 10.9996
Type of gen. func.: lgdogf

$$-\frac{2\, (x^5 - 9\, x^4 - 2\, x^3 + 222\, x^2 + 73\, x + 3)}{(x^2 - 6\, x - 1)\, (x^4 - 74\, x^2 + 1)}$$

Sequence: A041063
Score: 11.9681
Type of gen. func.: ogf

$$-\frac{x^2 - 6 x - 1}{x^4 - 74 x^2 + 1}$$

Sequence: A041063
Score: 6.61096
Type of gen. func.: ogf

$$-(799202 f(x) + 147) (f(x) x^4 - 74 f(x) x^2 + x^2 + f(x) - 6 x - 1)$$

Sequence: A041064
Score: 4.63749
Type of gen. func.: ogf

$$-(38189112 f(x) + 7110205) (f(x) x^4 - 50 f(x) x^2 + x^3 - 6 x^2 + f(x) - 25 x - 6)$$

Sequence: A041064
Score: 6.89521
Type of gen. func.: lgdogf

$$-\frac{x^6 - 12 x^5 - 25 x^4 - 24 x^3 + 1247 x^2 + 612 x + 25}{(x^3 - 6 x^2 - 25 x - 6) (x^4 - 50 x^2 + 1)}$$

Sequence: A041064
Score: 8.30596
Type of gen. func.: ogf

$$-\frac{x^3 - 6 x^2 - 25 x - 6}{x^4 - 50 x^2 + 1}$$

Sequence: A041065
Score: 11.2175
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 6 x^4 - 2 x^3 + 100 x^2 + 49 x + 2)}{(x^2 - 4 x - 1) (x^4 - 50 x^2 + 1)}$$

Sequence: A041065
Score: 12.2043
Type of gen. func.: ogf

$$-\frac{x^2 - 4 x - 1}{x^4 - 50 x^2 + 1}$$

Sequence: A041065
Score: 6.74142
Type of gen. func.: ogf

$$-(244802 f(x) - 701) (f(x) x^4 - 50 f(x) x^2 + x^2 + f(x) - 4 x - 1)$$

Sequence: A041066
Score: 4.39212
Type of gen. func.: ogf

$$-(12804720 f(x) + 3170917) (f(x) x^4 - 38 f(x) x^2 + x^3 - 6 x^2 + f(x) - 19 x - 6)$$

Sequence: A041066
Score: 5.99159
Type of gen. func.: lgdogf

$$-\frac{x^6 - 12 x^5 - 19 x^4 - 24 x^3 + 719 x^2 + 468 x + 19}{(x + 2) (x^2 - 8 x - 3) (x^2 - 6 x - 1) (x^2 + 6 x - 1)}$$

Sequence: A041066

Score: 7.86649
Type of gen. func.: ogf

$$-\frac{(x + 2)\,(x^2 - 8\,x - 3)}{(x^2 + 6\,x - 1)\,(x^2 - 6\,x - 1)}$$

Sequence: A041067
Score: 12.7041
Type of gen. func.: ogf

$$-\frac{x^2 - 3\,x - 1}{(x^2 + 6\,x - 1)\,(x^2 - 6\,x - 1)}$$

Sequence: A041067
Score: 7.01753
Type of gen. func.: ogf

$$-(106706\,f(x) - 609)\,(f(x)\,x^4 - 38\,f(x)\,x^2 + x^2 + f(x) - 3\,x - 1)$$

Sequence: A041068
Score: 6.80028
Type of gen. func.: ogf

$$-\frac{x^5 - 6\,x^4 + 13\,x^3 + 32\,x^2 + 13\,x + 6}{x^6 + 64\,x^3 - 1}$$

Sequence: A041069
Score: 10.1706
Type of gen. func.: ogf

$$-\frac{x^4 - 2\,x^3 + 5\,x^2 + 2\,x + 1}{x^6 + 64\,x^3 - 1}$$

Sequence: A041069
Score: 7.25087
Type of gen. func.: lgdogf

$$-\frac{2\,(x^9 - 3\,x^8 + 10\,x^7 - 27\,x^6 + 3\,x^5 + 160\,x^4 + 130\,x^3 + 93\,x^2 + 5\,x + 1)}{(x^6 + 64\,x^3 - 1)\,(x^4 - 2\,x^3 + 5\,x^2 + 2\,x + 1)}$$

Sequence: A041070
Score: 4.53136
Type of gen. func.: ogf

$$-(2830632\,f(x) + 1046173)\,(f(x)\,x^4 - 26\,f(x)\,x^2 + x^3 - 6\,x^2 + f(x) - 13\,x - 6)$$

Sequence: A041070
Score: 6.84738
Type of gen. func.: lgdogf

$$-\frac{x^6 - 12\,x^5 - 13\,x^4 - 24\,x^3 + 335\,x^2 + 324\,x + 13}{(x + 1)\,(x^2 - 7\,x - 6)\,(x^4 - 26\,x^2 + 1)}$$

Sequence: A041070
Score: 8.04822
Type of gen. func.: ogf

$$-\frac{(x + 1)\,(x^2 - 7\,x - 6)}{x^4 - 26\,x^2 + 1}$$

Sequence: A041071
Score: 11.9707
Type of gen. func.: lgdogf

$$-\frac{2\,(x + 1)\,(x^4 - 4\,x^3 + 2\,x^2 + 24\,x + 1)}{(x^2 - 2\,x - 1)\,(x^4 - 26\,x^2 + 1)}$$

Sequence: A041071
Score: 12.6026
Type of gen. func.: ogf

$$-\frac{x^2 - 2x - 1}{x^4 - 26x^2 + 1}$$

Sequence: A041071
Score: 7.30952
Type of gen. func.: ogf

$$(33698 f(x) - 365) (f(x) x^4 - 26 f(x) x^2 + x^2 + f(x) - 2x - 1)$$

Sequence: A041075
Score: 4.75846
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1) (x^4 + 3x^2 + 1) (x^8 + 10x^4 + 1)}{(x^8 + 20x^4 + 1) (x^8 - 20x^4 + 1)}$$

Sequence: A041077
Score: 6.22411
Type of gen. func.: ogf

$$-(x^{10} - x^9 + 3x^8 - 7x^7 + 17x^6 - 24x^5 - 17x^4 - 7x^3 - 3x^2 - x - 1) \Big/ \Big((x^2 + 3x + 1) (x^2 - 3x + 1) (x^4 - 3x^3 + 8x^2 - 3x + 1) (x^4 + 3x^3 + 8x^2 + 3x + 1)\Big)$$

Sequence: A041080
Score: 7.37485
Type of gen. func.: ogf

$$-\frac{x^7 - 6x^6 + 7x^5 - 41x^4 - 48x^3 - 41x^2 - 7x - 6}{{}^{8} \qquad {}^{4}}$$

$$x - 96 x + 1$$

Sequence: A041081
Score: 8.60532
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + 7 x^2 + 1)}{x^8 - 96 x^4 + 1}$$

Sequence: A041082
Score: 4.7698
Type of gen. func.: ogf

$$-(242016 f(x) + 176101) (f(x) x^4 - 14 f(x) x^2 + x^3 - 6 x^2 + f(x) - 7 x - 6)$$

Sequence: A041082
Score: 6.51725
Type of gen. func.: lgdogf

$$-\frac{x^6 - 12 x^5 - 7 x^4 - 24 x^3 + 95 x^2 + 180 x + 7}{(x^2 + 4 x + 1)(x^2 - 4 x + 1)(x^3 - 6 x^2 - 7 x - 6)}$$

Sequence: A041082
Score: 8.38327
Type of gen. func.: ogf

$$-\frac{x^3 - 6 x^2 - 7 x - 6}{(x^2 - 4 x + 1)(x^2 + 4 x + 1)}$$

Sequence: A041083
Score: 10.4451
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 3 x^4 - 4 x^3 + 14 x^2 + 26 x + 1}{}$$

$$(x^2 + 4x + 1)(x^2 - 4x + 1)(x^2 - x - 1)$$

Sequence: A041083
Score: 12.4707
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{(x^2 - 4x + 1)(x^2 + 4x + 1)}$$

Sequence: A041083
Score: 7.30603
Type of gen. func.: ogf

$$(5042 f(x) - 113)(f(x) x^4 - 14 f(x) x^2 + x^2 + f(x) - x - 1)$$

Sequence: A041084
Score: 10.5653
Type of gen. func.: lgdogf

$$-\frac{x^2 + 14x + 99}{x^3 + 21x^2 + 97x - 7}$$

Sequence: A041084
Score: 15.6183
Type of gen. func.: ogf

$$-\frac{x + 7}{x^2 + 14x - 1}$$

Sequence: A041084
Score: 16.0606
Type of gen. func.: revogf

$$-7 - 14x + (200x^2 + 200x + 49)^{1/2}$$

$$2 (x + 1)$$

Sequence: A041084
Score: 21.4141
Type of gen. func.: lgdogf

$$- \frac{x^2 + 14 x + 99}{(x + 7) (x^2 + 14 x - 1)}$$

Sequence: A041084
Score: 8.07239
Type of gen. func.: ogf

$$(1400 f(x) + 1) (f(x) x^2 + 14 f(x) x - f(x) + x + 7)$$

Sequence: A041084
Score: 8.55289
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1) - a(n), a(0) = 7, a(1) = 99\}$$

Sequence: A041085
Score: 13.4855
Type of gen. func.: lgdogf

$$- \frac{-2 x - 14}{-x^2 - 14 x + 1}$$

Sequence: A041085
Score: 17.4342
Type of gen. func.: revogf

$$\frac{-1 - 14 x + (200 x^2 + 28 x + 1)^{1/2}}{2 x}$$

Sequence: A041085
Score: 19.8317
Type of gen. func.: ogf

$$-\frac{1}{x^2 + 14 x - 1}$$

Sequence: A041085
Score: 31.5476
Type of gen. func.: lgdogf

$$-\frac{2 (x + 7)}{x^2 + 14 x - 1}$$

Sequence: A041085
Score: 7.7503
Type of gen. func.: ogf

$$-(99 f(x) - 1) (f(x) x^2 + 14 f(x) x - f(x) + 1)$$

Sequence: A041085
Score: 8.02711
Type of gen. func.: ogf

$$\{-a(n + 2) + 14 a(n + 1) + a(n), a(0) = 1, a(1) = 14\}$$

Sequence: A041086
Score: 10.2648
Type of gen. func.: ogf

$$-\frac{x^3 - 7 x^2 - 50 x - 7}{x^4 - 100 x^2 + 1}$$

Sequence: A041086
Score: 5.67484
Type of gen. func.: ogf

$$-(706717914 f(x) + 75462353)$$

$$(f(x) x^4 - 100 f(x) x^2 + x^3 - 7 x^2 + f(x) - 50 x - 7)$$

Sequence: A041086
Score: 8.46941
Type of gen. func.: lgdogf

$$-\frac{x^6 - 14 x^5 - 50 x^4 - 28 x^3 + 4997 x^2 + 1414 x + 50}{(x^3 - 7 x^2 - 50 x - 7) (x^4 - 100 x^2 + 1)}$$

Sequence: A041087
Score: 10.8198
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 21 x^4 - 4 x^3 + 700 x^2 + 198 x + 7}{(x^2 - 7 x - 1) (x^4 - 100 x^2 + 1)}$$

Sequence: A041087
Score: 12.1265
Type of gen. func.: ogf

$$-\frac{x^2 - 7 x - 1}{x^4 - 100 x^2 + 1}$$

Sequence: A041087
Score: 6.68657
Type of gen. func.: ogf

$$-(1979602 f(x) + 199) (f(x) x^4 - 100 f(x) x^2 + x^2 + f(x) - 7 x - 1)$$

Sequence: A041090
Score: 5.80677
Type of gen. func.: ogf

$$-\frac{x^9 - 7x^8 + 22x^7 - 29x^6 + 51x^5 + 182x^4 + 51x^3 + 29x^2 + 22x + 7}{x^{10} + 364x^5 - 1}$$

Sequence: A041091
Score: 7.03125
Type of gen. func.: ogf

$$-\frac{x^8 - 3x^7 + 4x^6 - 7x^5 + 25x^4 + 7x^3 + 4x^2 + 3x + 1}{x^{10} + 364x^5 - 1}$$

Sequence: A041093
Score: 5.74164
Type of gen. func.: ogf

$$-(x^{10} - 2x^9 + 3x^8 - 20x^7 + 23x^6 - 66x^5 - 23x^4 - 20x^3 - 3x^2 - 2x - 1) \Big/ ((x^4 - 10x^2 + 1)(x^8 + 10x^6 + 99x^4 + 10x^2 + 1))$$

Sequence: A041094
Score: 6.90202
Type of gen. func.: ogf

$$-\frac{(x + 1)(x^6 - 8x^5 + 23x^4 - 60x^3 - 29x^2 - 8x - 7)}{x^8 - 178x^4 + 1}$$

Sequence: A041095
Score: 8.34708
Type of gen. func.: ogf

$$-\frac{(x^2 - 2x - 1)(x^4 + 6x^2 + 1)}{x^8 - 178x^4 + 1}$$

Sequence: A041096
Score: 11.2316
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^{2} - 8 x - 7)}{x^{4} - 30 x^{2} + 1}$$

Sequence: A041096
Score: 6.32369
Type of gen. func.: ogf

$$-(2916592 f(x) + 1080209) (f(x) x^{4} - 30 f(x) x^{2} + x^{3} - 7 x^{2} + f(x) - 15 x - 7)$$

Sequence: A041096
Score: 9.61007
Type of gen. func.: lgdogf

$$-\frac{x^{6} - 14 x^{5} - 15 x^{4} - 28 x^{3} + 447 x^{2} + 434 x + 15}{(x + 1) (x^{2} - 8 x - 7) (x^{4} - 30 x^{2} + 1)}$$

Sequence: A041097
Score: 12.3944
Type of gen. func.: lgdogf

$$-\frac{2 (x + 1) (x^{4} - 4 x^{3} + 2 x^{2} + 28 x + 1)}{(x^{2} - 2 x - 1) (x^{4} - 30 x^{2} + 1)}$$

Sequence: A041097
Score: 13.0410
Type of gen. func.: ogf

$$-\frac{x^{2} - 2 x - 1}{x^{4} - 30 x^{2} + 1}$$

Sequence: A041097
Score: 6.46475
Type of gen. func.: lgdogf

$$-\frac{-2x^5+6x^4+4x^3-60x^2-58x-2}{-x^6+2x^5+31x^4-60x^3-31x^2+2x+1}$$

Sequence: A041097
Score: 7.27285
Type of gen. func.: ogf

$$-(52082\,f(x)-541)\,(f(x)\,x^4-30\,f(x)\,x^2+x^2+f(x)-2x-1)$$

Sequence: A041098
Score: 3.96693
Type of gen. func.: ogf

$$-(x^{11}-7x^{10}+8x^9-15x^8+68x^7-83x^6-151x^5-83x^4-68x^3-15x^2-8x-7)\Big/(x^{12}-302x^6+1)$$

Sequence: A041099
Score: 4.55753
Type of gen. func.: ogf

$$-\frac{(x^4-x^3+2x^2+x+1)(x^6-10x^3-1)}{x^{12}-302x^6+1}$$

Sequence: A041100
Score: 4.88648
Type of gen. func.: ogf

$$-(x^{13}-7x^{12}+8x^{11}-15x^{10}+23x^9-38x^8+61x^7+99x^6+61x^5+38x^4+23x^3+15x^2+8x+7)\Big/(x^{14}+198x^7-1)$$

Sequence: A041101
Score: 5.46096
Type of gen. func.: ogf

$$-(x^{12} - x^{11} + 2 x^{10} - 3 x^{9} + 5 x^{8} - 8 x^{7} + 13 x^{6} + 8 x^{5} + 5 x^{4} + 3 x^{3} + 2 x^{2} + x + 1) / (x^{14} + 198 x^{7} - 1)$$

Sequence: A041104
Score: 7.52220
Type of gen. func.: ogf

$$-\frac{x^{7} - 7 x^{6} + 8 x^{5} - 23 x^{4} - 31 x^{3} - 23 x^{2} - 8 x - 7}{(x^{4} - 8 x^{2} + 1) (x^{4} + 8 x^{2} + 1)}$$

Sequence: A041105
Score: 8.72974
Type of gen. func.: ogf

$$-\frac{(x^{2} - x - 1) (x^{4} + 4 x^{2} + 1)}{(x^{4} - 8 x^{2} + 1) (x^{4} + 8 x^{2} + 1)}$$

Sequence: A041108
Score: 7.28281
Type of gen. func.: ogf

$$-\frac{x^{7} - 7 x^{6} + 8 x^{5} - 55 x^{4} - 63 x^{3} - 55 x^{2} - 8 x - 7}{x^{8} - 126 x^{4} + 1}$$

Sequence: A041109
Score: 8.07662
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + 8x^2 + 1)}{x^8 - 126x^4 + 1}$$

Sequence: A041110
Score: 4.98297
Type of gen. func.: ogf

$$-(479934 f(x) + 350771)(f(x) x^4 - 16 f(x) x^2 + x^3 - 7x^2 + f(x) - 8x - 7)$$

Sequence: A041110
Score: 7.54214
Type of gen. func.: lgdogf

$$-\frac{x^6 - 14x^5 - 8x^4 - 28x^3 + 125x^2 + 238x + 8}{(x^3 - 7x^2 - 8x - 7)(x^4 - 16x^2 + 1)}$$

Sequence: A041110
Score: 8.75794
Type of gen. func.: ogf

$$-\frac{x^3 - 7x^2 - 8x - 7}{x^4 - 16x^2 + 1}$$

Sequence: A041111
Score: 5.82759
Type of gen. func.: ogf

$$(7618 f(x) - 161)(f(x) x^4 - 16 f(x) x^2 + x^2 + f(x) - x - 1)$$

Sequence: A041111
Score: 9.56590
Type of gen. func.: lgdogf

$$2x^5 - 3x^4 - 4x^3 + 16x^2 + 30x + 1$$

```
- -------------------------------------
        2             4       2
     (x  - x - 1) (x  - 16 x  + 1)
```

Sequence: A041111
Score: 9.94707
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{x^4 - 16 x^2 + 1}$$

Sequence: A041112
Score: 14.4518
Type of gen. func.: ogf

$$-\frac{x + 8}{x^2 + 16 x - 1}$$

Sequence: A041112
Score: 17.6547
Type of gen. func.: revogf

$$\frac{-4 - 8 x + (65 x^2 + 65 x + 16)^{1/2}}{x + 1}$$

Sequence: A041112
Score: 19.2125
Type of gen. func.: lgdogf

$$-\frac{x^2 + 16 x + 129}{(x + 8) (x^2 + 16 x - 1)}$$

Sequence: A041112
Score: 7.82100
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1) - a(n), a(0) = 8, a(1) = 129\}$$

Sequence: A041112
Score: 8.40323
Type of gen. func.: ogf

$$(2080 f(x) + 1) (f(x) x^2 + 16 f(x) x - f(x) + x + 8)$$

Sequence: A041112
Score: 9.49693
Type of gen. func.: lgdogf

$$-\frac{x^2 + 16 x + 129}{x^3 + 24 x^2 + 127 x - 8}$$

Sequence: A041113
Score: 14.0744
Type of gen. func.: lgdogf

$$-\frac{-2 x - 16}{-x^2 - 16 x + 1}$$

Sequence: A041113
Score: 18.2090
Type of gen. func.: revogf

$$\frac{-1 - 16 x + (260 x^2 + 32 x + 1)^{1/2}}{2 x}$$

Sequence: A041113
Score: 20.6977
Type of gen. func.: ogf

$$-\frac{1}{x^2 + 16 x - 1}$$

Sequence: A041113
Score: 32.9497
Type of gen. func.: lgdogf

$$-\frac{2\,(x + 8)}{x^{2} + 16\,x - 1}$$

Sequence: A041113
Score: 8.37763
Type of gen. func.: ogf

$$\{-a(n + 2) + 16\,a(n + 1) + a(n),\ a(0) = 1,\ a(1) = 16\}$$

Sequence: A041113
Score: 8.95315
Type of gen. func.: ogf

$$-(129\,f(x) - 1)\,(f(x)\,x^{2} + 16\,f(x)\,x - f(x) + 1)$$

Sequence: A041114
Score: 4.78646
Type of gen. func.: ogf

$$-(2301912096\,f(x) + 215242433)$$

$$(f(x)\,x^{4} - 130\,f(x)\,x^{2} + x^{3} - 8\,x^{2} + f(x) - 65\,x - 8)$$

Sequence: A041114
Score: 7.24377
Type of gen. func.: lgdogf

$$-\frac{x^{6} - 16\,x^{5} - 65\,x^{4} - 32\,x^{3} + 8447\,x^{2} + 2096\,x + 65}{(x^{3} - 8\,x^{2} - 65\,x - 8)\,(x^{4} - 130\,x^{2} + 1)}$$

Sequence: A041114

Score: 8.79863
Type of gen. func.: ogf

$$-\frac{x^3 - 8x^2 - 65x - 8}{x^4 - 130x^2 + 1}$$

Sequence: A041115
Score: 10.5800
Type of gen. func.: ogf

$$-\frac{x^2 - 8x - 1}{x^4 - 130x^2 + 1}$$

Sequence: A041115
Score: 5.83384
Type of gen. func.: ogf

$$-(4359682 f(x) + 259) (f(x) x^4 - 130 f(x) x^2 + x^2 + f(x) - 8 x - 1)$$

Sequence: A041115
Score: 9.42221
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 12 x^4 - 2 x^3 + 520 x^2 + 129 x + 4)}{(x^2 - 8 x - 1) (x^4 - 130 x^2 + 1)}$$

Sequence: A041118
Score: 10.9966
Type of gen. func.: ogf

$$-\frac{x^3 - 8x^2 - 33x - 8}{(x^2 - 8x - 1)(x^2 + 8x - 1)}$$

Sequence: A041118
Score: 6.03913
Type of gen. func.: ogf

$$-(153956896 f(x) + 28714561)$$

$$(f(x) x^4 - 66 f(x) x^2 + x^3 - 8 x^2 + f(x) - 33 x - 8)$$

Sequence: A041118
Score: 8.14153
Type of gen. func.: lgdogf

$$-\frac{x^6 - 16 x^5 - 33 x^4 - 32 x^3 + 2175 x^2 + 1072 x + 33}{(x^2 - 8 x - 1) (x^2 + 8 x - 1) (x^3 - 8 x^2 - 33 x - 8)}$$

Sequence: A041119
Score: 11.7057
Type of gen. func.: ogf

$$-\frac{x^2 - 4 x - 1}{(x^2 - 8 x - 1) (x^2 + 8 x - 1)}$$

Sequence: A041119
Score: 6.65616
Type of gen. func.: ogf

$$(566018 f(x) - 1981) (f(x) x^4 - 66 f(x) x^2 + x^2 + f(x) - 4 x - 1)$$

Sequence: A041119
Score: 9.39084
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 6 x^4 - 2 x^3 + 132 x^2 + 65 x + 2)}{(x^2 + 8 x - 1) (x^2 - 4 x - 1) (x^2 - 8 x - 1)}$$

Sequence: A041123
Score: 4.58170
Type of gen. func.: ogf

$$-\frac{(x^2 - 2 x - 1) (x^8 + 4 x^6 + 15 x^4 + 4 x^2 + 1)}{x^{12} - 502 x^6 + 1}$$

Sequence: A041126
Score: 10.5188
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 - 9 x - 8)}{(x^2 + 6 x + 1) (x^2 - 6 x + 1)}$$

Sequence: A041126
Score: 5.87298
Type of gen. func.: ogf

$$-(10967328 f(x) + 4068353) (f(x) x^4 - 34 f(x) x^2 + x^3 - 8 x^2 + f(x) - 17 x - 8)$$

Sequence: A041126
Score: 8.05108
Type of gen. func.: lgdogf

$$-\frac{x^6 - 16 x^5 - 17 x^4 - 32 x^3 + 575 x^2 + 560 x + 17}{(x + 1) (x^2 + 6 x + 1) (x^2 - 6 x + 1) (x^2 - 9 x - 8)}$$

Sequence: A041127
Score: 10.1335
Type of gen. func.: lgdogf

$$-\frac{2 (x + 1) (x^4 - 4 x^3 + 2 x^2 + 32 x + 1)}{(x^2 + 6 x + 1) (x^2 - 6 x + 1) (x^2 - 2 x - 1)}$$

Sequence: A041127
Score: 12.2717
Type of gen. func.: ogf

$$-\frac{x^2 - 2x - 1}{(x^2 + 6x + 1)(x^2 - 6x + 1)}$$

Sequence: A041127
Score: 6.84382
Type of gen. func.: ogf

$$-(76162 f(x) - 749)(f(x) x^4 - 34 f(x) x^2 + x^2 + f(x) - 2x - 1)$$

Sequence: A041129
Score: 5.09526
Type of gen. func.: ogf

$$-(x^{12} - x^{11} + 2x^{10} - 11x^9 + 57x^8 - 68x^7 + 125x^6 + 68x^5 + 57x^4 + 11x^3 + 2x^2 + x + 1) / (x^{14} + 2136x^7 - 1)$$

Sequence: A041130
Score: 6.49062
Type of gen. func.: ogf

$$-\frac{x^9 - 8x^8 + 9x^7 - 17x^6 + 26x^5 + 43x^4 + 26x^3 + 17x^2 + 9x + 8}{x^{10} + 86x^5 - 1}$$

Sequence: A041131
Score: 7.38494
Type of gen. func.: ogf

$$-\frac{(x^4 + 2x^3 + 4x^2 + 3x + 1)(x^4 - 3x^3 + 4x^2 - 2x + 1)}{x^{10} + 86x^5 - 1}$$

Sequence: A041132
Score: 7.80147
Type of gen. func.: ogf

$$-\frac{x^7 - 8x^6 + 9x^5 - 17x^4 - 26x^3 - 17x^2 - 9x - 8}{x^8 - 52x^4 + 1}$$

Sequence: A041133
Score: 8.42742
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + 3x^2 + 1)}{x^8 - 52x^4 + 1}$$

Sequence: A041137
Score: 5.99800
Type of gen. func.: ogf

$$-\frac{x^{10} - x^9 + 4x^8 - 9x^7 + 31x^6 - 40x^5 - 31x^4 - 9x^3 - 4x^2 - x - 1}{(x^4 - 9x^2 + 1)(x^8 + 9x^6 + 80x^4 + 9x^2 + 1)}$$

Sequence: A041138
Score: 7.59335
Type of gen. func.: ogf

$$-\frac{x^7 - 8x^6 + 9x^5 - 44x^4 - 53x^3 - 44x^2 - 9x - 8}{x^8 - 106x^4 + 1}$$

Sequence: A041139
Score: 8.31219
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + 6x^2 + 1)}{}$$

$$x^8 - 106 x^4 + 1$$

Sequence: A041140
Score: 7.50641
Type of gen. func.: ogf

$$-\frac{x^7 - 8 x^6 + 9 x^5 - 71 x^4 - 80 x^3 - 71 x^2 - 9 x - 8}{x^8 - 160 x^4 + 1}$$

Sequence: A041141
Score: 7.59030
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1) (x^4 + 9 x^2 + 1)}{x^8 - 160 x^4 + 1}$$

Sequence: A041142
Score: 11.0710
Type of gen. func.: ogf

$$\frac{8 x^3 - 9 x^2 + 8 x + 1}{(x^2 + 4 x - 1) (x^2 - 4 x - 1)}$$

Sequence: A041142
Score: 6.16433
Type of gen. func.: ogf

$$-(175136 f(x) + 128429) (f(x) x^4 - 18 f(x) x^2 + x^3 - 8 x^2 + f(x) - 9 x - 8)$$

Sequence: A041142
Score: 8.25069
Type of gen. func.: lgdogf

$$2 (4 x^6 - 9 x^5 + 84 x^4 + 2 x^3 - 84 x^2 - 9 x - 4)$$

$$-\frac{}{(x^2 + 4x - 1)(x^2 - 4x - 1)(8x^3 - 9x^2 + 8x + 1)}$$

Sequence: A041143
Score: 10.5888
Type of gen. func.: lgdogf

$$-\frac{2x^5 - 3x^4 - 4x^3 + 18x^2 + 34x + 1}{(x^2 + 4x - 1)(x^2 - 4x - 1)(x^2 - x - 1)}$$

Sequence: A041143
Score: 11.7712
Type of gen. func.: ogf

$$-\frac{x(x^2 - x - 1)}{(x^2 + 4x - 1)(x^2 - 4x - 1)}$$

Sequence: A041143
Score: 7.17809
Type of gen. func.: ogf

$$(10946 f(x) - 217)(f(x) x^4 - 18 f(x) x^2 + x^2 + f(x) - x - 1)$$

Sequence: A041144
Score: 15.0802
Type of gen. func.: ogf

$$-\frac{x + 9}{x^2 + 18x - 1}$$

Sequence: A041144
Score: 15.5029
Type of gen. func.: revogf

$$-9 - 18x + (328x^2 + 328x + 81)^{1/2}$$

$$\frac{}{2 (x + 1)}$$

Sequence: A041144
Score: 20.0626
Type of gen. func.: lgdogf

$$- \frac{x^2 + 18 x + 163}{(x + 9) (x^2 + 18 x - 1)}$$

Sequence: A041144
Score: 7.79426
Type of gen. func.: ogf

$$(2952 f(x) + 1) (f(x) x^2 + 18 f(x) x - f(x) + x + 9)$$

Sequence: A041144
Score: 8.16105
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1) - a(n), a(0) = 9, a(1) = 163\}$$

Sequence: A041144
Score: 9.90984
Type of gen. func.: lgdogf

$$- \frac{x^2 + 18 x + 163}{x^3 + 27 x^2 + 161 x - 9}$$

Sequence: A041145
Score: 12.7685
Type of gen. func.: revogf

$$\frac{-18 x - 1 + (328 x^2 + 36 x + 1)^{1/2}}{2 x}$$

Sequence: A041145
Score: 14.5969
Type of gen. func.: ogf

$$-\frac{1}{x^2 + 18 x - 1}$$

Sequence: A041145
Score: 23.1049
Type of gen. func.: lgdogf

$$-\frac{2 (x + 9)}{x^2 + 18 x - 1}$$

Sequence: A041145
Score: 5.6397
Type of gen. func.: ogf

$$-(163 f(x) - 1) (f(x) x^2 + 18 f(x) x - f(x) + 1)$$

Sequence: A041145
Score: 5.90826
Type of gen. func.: ogf

$$\{-a(n + 2) + 18 a(n + 1) + a(n), a(0) = 1, a(1) = 18\}$$

Sequence: A041145
Score: 9.92588
Type of gen. func.: lgdogf

$$-\frac{-2 x - 18}{-x^2 - 18 x + 1}$$

Sequence: A041146
Score: 10.2622
Type of gen. func.: ogf

$$-\frac{x^3 - 9 x^2 - 82 x - 9}{x^4 - 164 x^2 + 1}$$

Sequence: A041146
Score: 5.58266
Type of gen. func.: ogf

$$-(6549279174 f(x) + 544650481)$$

$$(f(x) x^4 - 164 f(x) x^2 + x^3 - 9 x^2 + f(x) - 82 x - 9)$$

Sequence: A041146
Score: 8.36652
Type of gen. func.: lgdogf

$$-\frac{x^6 - 18 x^5 - 82 x^4 - 36 x^3 + 13445 x^2 + 2970 x + 82}{(x^3 - 9 x^2 - 82 x - 9) (x^4 - 164 x^2 + 1)}$$

Sequence: A041147
Score: 10.8028
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 27 x^4 - 4 x^3 + 1476 x^2 + 326 x + 9}{(x^2 - 9 x - 1) (x^4 - 164 x^2 + 1)}$$

Sequence: A041147
Score: 12.2876
Type of gen. func.: ogf

$$-\frac{x^2 - 9 x - 1}{x^4 - 164 x^2 + 1}$$

Sequence: A041147
Score: 6.77539
Type of gen. func.: ogf

$$-(8767442 f(x) + 327) (f(x) x^4 - 164 f(x) x^2 + x^2 + f(x) - 9 x - 1)$$

Sequence: A041148
Score: 5.31435
Type of gen. func.: ogf

$$-(664615224 f(x) + 82819085)$$

$$(f(x) x^4 - 110 f(x) x^2 + x^3 - 9 x^2 + f(x) - 55 x - 9)$$

Sequence: A041148
Score: 9.61274
Type of gen. func.: ogf

$$-\frac{x^3 - 9 x^2 - 55 x - 9}{x^4 - 110 x^2 + 1}$$

Sequence: A041149
Score: 10.4382
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 9 x^4 - 2 x^3 + 330 x^2 + 109 x + 3)}{(x^2 - 6 x - 1) (x^4 - 110 x^2 + 1)}$$

Sequence: A041149
Score: 11.5259
Type of gen. func.: ogf

$$-\frac{x^2 - 6 x - 1}{x^4 - 110 x^2 + 1}$$

Sequence: A041149
Score: 6.53876
Type of gen. func.: ogf

$$-(61334 f(x) - 87) (f(x) x^4 - 110 f(x) x^2 + x^2 + f(x) - 6 x - 1)$$

Sequence: A041150
Score: 4.53685
Type of gen. func.: ogf

$$-\frac{x^9 - 9 x^8 + 37 x^7 - 46 x^6 + 83 x^5 + 378 x^4 + 83 x^3 + 46 x^2 + 37 x + 9}{x^{10} + 756 x^5 - 1}$$

Sequence: A041151
Score: 7.13594
Type of gen. func.: ogf

$$-\frac{x^8 - 4 x^7 + 5 x^6 - 9 x^5 + 41 x^4 + 9 x^3 + 5 x^2 + 4 x + 1}{x^{10} + 756 x^5 - 1}$$

Sequence: A041154
Score: 4.72084
Type of gen. func.: ogf

$$-(89976618 f(x) + 22352383)$$

$$(f(x) x^4 - 56 f(x) x^2 + x^3 - 9 x^2 + f(x) - 28 x - 9)$$

Sequence: A041154
Score: 6.99305
Type of gen. func.: lgdogf

$$-\frac{x^6 - 18 x^5 - 28 x^4 - 36 x^3 + 1565 x^2 + 1026 x + 28}{(x^3 - 9 x^2 - 28 x - 9) (x^4 - 56 x^2 + 1)}$$

Sequence: A041154
Score: 8.52569
Type of gen. func.: ogf

$$-\frac{x^3 - 9x^2 - 28x - 9}{x^4 - 56x^2 + 1}$$

Sequence: A041155
Score: 11.1866
Type of gen. func.: lgdogf

$$-\frac{2x^5 - 9x^4 - 4x^3 + 168x^2 + 110x + 3}{(x^2 - 3x - 1)(x^4 - 56x^2 + 1)}$$

Sequence: A041155
Score: 12.3642
Type of gen. func.: ogf

$$-\frac{x^2 - 3x - 1}{x^4 - 56x^2 + 1}$$

Sequence: A041155
Score: 6.7653
Type of gen. func.: ogf

$$-(344738 f(x) - 1905)(f(x) x^4 - 56 f(x) x^2 + x^2 + f(x) - 3x - 1)$$

Sequence: A041156
Score: 4.11301
Type of gen. func.: ogf

$$-(x^{11} - 9x^{10} + 19x^9 - 28x^8 + 47x^7 - 75x^6 - 197x^5 - 75x^4 - 47x^3 - 28x^2 - 19x - 9) / (x^{12} - 394x^6 + 1)$$

Sequence: A041157
Score: 6.01959
Type of gen. func.: ogf

$$-\frac{x^{10}-2x^{9}+3x^{8}-5x^{7}+8x^{6}-21x^{5}-8x^{4}-5x^{3}-3x^{2}-2x-1}{x^{12}-394x^{6}+1}$$

Sequence: A041158
Score: 5.90550
Type of gen. func.: ogf

$$-\frac{x^{9}-9x^{8}+19x^{7}-66x^{6}+217x^{5}+500x^{4}+217x^{3}+66x^{2}+19x+9}{x^{10}+1000x^{5}-1}$$

Sequence: A041159
Score: 6.54529
Type of gen. func.: ogf

$$-\frac{x^{8}-2x^{7}+7x^{6}-23x^{5}+53x^{4}+23x^{3}+7x^{2}+2x+1}{x^{10}+1000x^{5}-1}$$

Sequence: A041160
Score: 4.47852
Type of gen. func.: ogf

$$-(9603540\,f(x)+3566831)\,(f(x)\,x^{4}-38\,f(x)\,x^{2}+x^{3}-9x^{2}+f(x)-19x-9)$$

Sequence: A041160
Score: 7.95439
Type of gen. func.: ogf

$$-\frac{(x+1)\,(x^{2}-10x-9)}{(x^{2}+6x-1)\,(x^{2}-6x-1)}$$

Sequence: A041161
Score: 5.30927
Type of gen. func.: ogf

$$(106706 f(x) - 989) (f(x) x^4 - 38 f(x) x^2 + x^2 + f(x) - 2 x - 1)$$

Sequence: A041161
Score: 7.59787
Type of gen. func.: lgdogf

$$- \frac{2 (x + 1) (x^4 - 4 x^3 + 2 x^2 + 36 x + 1)}{(x^2 - 6 x - 1) (x^2 + 6 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A041161
Score: 9.24545
Type of gen. func.: ogf

$$- \frac{x^2 - 2 x - 1}{(x^2 + 6 x - 1) (x^2 - 6 x - 1)}$$

Sequence: A041170
Score: 5.17508
Type of gen. func.: ogf

$$- \frac{x^7 - 9 x^6 + 10 x^5 - 29 x^4 - 39 x^3 - 29 x^2 - 10 x - 9}{x^8 - 78 x^4 + 1}$$

Sequence: A041171
Score: 9.14544
Type of gen. func.: ogf

$$- \frac{(x^2 - x - 1) (x^4 + 4 x^2 + 1)}{x^8 - 78 x^4 + 1}$$

Sequence: A041172
Score: 5.20552
Type of gen. func.: ogf

$$-\frac{x^7 - 9 x^6 + 10 x^5 - 39 x^4 - 49 x^3 - 39 x^2 - 10 x - 9}{(x^4 + 10 x^2 + 1) (x^4 - 10 x^2 + 1)}$$

Sequence: A041173
Score: 8.60532
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1) (x^4 + 5 x^2 + 1)}{(x^4 + 10 x^2 + 1) (x^4 - 10 x^2 + 1)}$$

Sequence: A041176
Score: 5.40932
Type of gen. func.: ogf

$$-\frac{x^7 - 9 x^6 + 10 x^5 - 89 x^4 - 99 x^3 - 89 x^2 - 10 x - 9}{(x^4 + 14 x^2 - 1) (x^4 - 14 x^2 - 1)}$$

Sequence: A041177
Score: 8.45454
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1) (x^4 + 10 x^2 + 1)}{(x^4 + 14 x^2 - 1) (x^4 - 14 x^2 - 1)}$$

Sequence: A041178
Score: 11.0995
Type of gen. func.: ogf

$$x^3 - 9 x^2 - 10 x - 9$$

```
                             - --------------------
                                   4       2
                                  x  - 20 x  + 1
```

Sequence: A041178
Score: 6.24928
Type of gen. func.: ogf

```
                                  4            2    3      2
 -(1497078 f(x) + 1100665) (f(x) x  - 20 f(x) x  + x  - 9 x  + f(x) - 10 x - 9)
```

Sequence: A041178
Score: 9.37117
Type of gen. func.: lgdogf

```
                  6       5       4       3        2
                 x  - 18 x  - 10 x  - 36 x  + 197 x  + 378 x + 10
               - ------------------------------------------------
                       3      2                 4       2
                     (x  - 9 x  - 10 x - 9) (x  - 20 x  + 1)
```

Sequence: A041179
Score: 12.2754
Type of gen. func.: lgdogf

```
                         5      4      3       2
                      2 x  - 3 x  - 4 x  + 20 x  + 38 x + 1
                    - -------------------------------------
                            2             4       2
                          (x  - x - 1) (x  - 20 x  + 1)
```

Sequence: A041179
Score: 12.7090
Type of gen. func.: ogf

```
                                     2
                                    x  - x - 1
                                - --------------
                                   4       2
                                  x  - 20 x  + 1
```

Sequence: A041179
Score: 7.37123
Type of gen. func.: ogf

```
                                   4            2    2
```

$$(15122 f(x) - 281) (f(x) x - 20 f(x) x + x + f(x) - x - 1)$$

Sequence: A041180
Score: 11.7983
Type of gen. func.: ogf

$$- \frac{x + 10}{x^2 + 20 x - 1}$$

Sequence: A041180
Score: 13.5857
Type of gen. func.: revogf

$$\frac{-5 - 10 x + (101 x^2 + 101 x + 25)^{1/2}}{x + 1}$$

Sequence: A041180
Score: 15.5265
Type of gen. func.: lgdogf

$$- \frac{x^2 + 20 x + 201}{(x + 10) (x^2 + 20 x - 1)}$$

Sequence: A041180
Score: 6.16131
Type of gen. func.: ogf

$$(4040 f(x) + 1) (f(x) x^2 + 20 f(x) x - f(x) + x + 10)$$

Sequence: A041180
Score: 6.44788
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1) - a(n), a(0) = 10, a(1) = 201\}$$

Sequence: A041180
Score: 7.81011
Type of gen. func.: lgdogf

$$-\frac{x^2 + 20 x + 201}{x^3 + 30 x^2 + 199 x - 10}$$

Sequence: A041181
Score: 11.6728
Type of gen. func.: lgdogf

$$-\frac{-2 x - 20}{-x^2 - 20 x + 1}$$

Sequence: A041181
Score: 15.0607
Type of gen. func.: revogf

$$\frac{-20 x - 1 + (404 x^2 + 40 x + 1)^{1/2}}{2 x}$$

Sequence: A041181
Score: 17.1659
Type of gen. func.: ogf

$$-\frac{1}{x^2 + 20 x - 1}$$

Sequence: A041181
Score: 26.0140
Type of gen. func.: lgdogf

$$-\frac{2 (x + 10)}{x^2 + 20 x - 1}$$

Sequence: A041181
Score: 6.63229
Type of gen. func.: ogf

$$-(201 f(x) - 1) (f(x) x^2 + 20 f(x) x - f(x) + 1)$$

Sequence: A041181
Score: 6.94811
Type of gen. func.: ogf

$$\{-a(n + 2) + 20 a(n + 1) + a(n), a(0) = 1, a(1) = 20\}$$

Sequence: A041182
Score: 3.8603
Type of gen. func.: ogf

$$-(16730450040 f(x) + 1252692701)$$

$$(f(x) x^4 - 202 f(x) x^2 + x^3 - 10 x^2 + f(x) - 101 x - 10)$$

Sequence: A041182
Score: 7.06815
Type of gen. func.: ogf

$$-\frac{x^3 - 10 x^2 - 101 x - 10}{x^4 - 202 x^2 + 1}$$

Sequence: A041183
Score: 11.1889
Type of gen. func.: ogf

$$-\frac{x^2 - 10 x - 1}{x^4 - 202 x^2 + 1}$$

Sequence: A041183
Score: 6.15901
Type of gen. func.: ogf

$$-(16402402 f(x) + 403) (f(x) x^4 - 202 f(x) x^2 + x^2 + f(x) - 10 x - 1)$$

Sequence: A041183
Score: 9.84410
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 15 x^4 - 2 x^3 + 1010 x^2 + 201 x + 5)}{(x^2 - 10 x - 1) (x^4 - 202 x^2 + 1)}$$

Sequence: A041186
Score: 5.14697
Type of gen. func.: ogf

$$-(1092625040 f(x) + 163342501)$$

$$(f(x) x^4 - 102 f(x) x^2 + x^3 - 10 x^2 + f(x) - 51 x - 10)$$

Sequence: A041186
Score: 6.90202
Type of gen. func.: lgdogf

$$-\frac{x^6 - 20 x^5 - 51 x^4 - 40 x^3 + 5199 x^2 + 2060 x + 51}{(x^2 + 10 x - 1) (x^2 - 10 x - 1) (x^3 - 10 x^2 - 51 x - 10)}$$

Sequence: A041186
Score: 9.33809
Type of gen. func.: ogf

$$-\frac{x^3 - 10 x^2 - 51 x - 10}{(x^2 + 10 x - 1) (x^2 - 10 x - 1)}$$

Sequence: A041187
Score: 11.3228
Type of gen. func.: ogf

$$- \frac{x^2 - 5 x - 1}{(x^2 + 10 x - 1) (x^2 - 10 x - 1)}$$

Sequence: A041187
Score: 6.18563
Type of gen. func.: ogf

$$-(2101202 f(x) - 4897) (f(x) x^4 - 102 f(x) x^2 + x^2 + f(x) - 5 x - 1)$$

Sequence: A041187
Score: 8.74753
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - 15 x^4 - 4 x^3 + 510 x^2 + 202 x + 5}{(x^2 + 10 x - 1) (x^2 - 10 x - 1) (x^2 - 5 x - 1)}$$

Sequence: A041188
Score: 4.47541
Type of gen. func.: ogf

$$-(457364040 f(x) + 85393661)$$

$$(f(x) x^4 - 82 f(x) x^2 + x^3 - 10 x^2 + f(x) - 41 x - 10)$$

Sequence: A041188
Score: 6.62670
Type of gen. func.: lgdogf

$$- \frac{x^6 - 20 x^5 - 41 x^4 - 40 x^3 + 3359 x^2 + 1660 x + 41}{(x^3 - 10 x^2 - 41 x - 10) (x^4 - 82 x^2 + 1)}$$

Sequence: A041188
Score: 8.04277
Type of gen. func.: ogf

$$-\frac{x^3 - 10 x^2 - 41 x - 10}{x^4 - 82 x^2 + 1}$$

Sequence: A041189
Score: 10.0019
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 6 x^4 - 2 x^3 + 164 x^2 + 81 x + 2)}{(x^2 - 4 x - 1) (x^4 - 82 x^2 + 1)}$$

Sequence: A041189
Score: 10.8983
Type of gen. func.: ogf

$$-\frac{x^2 - 4 x - 1}{x^4 - 82 x^2 + 1}$$

Sequence: A041189
Score: 6.02
Type of gen. func.: ogf

$$-(155566 f(x) - 539) (f(x) x^4 - 82 f(x) x^2 + x^2 + f(x) - 4 x - 1)$$

Sequence: A041198
Score: 10.7514
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 - 11 x - 10)}{x^4 - 42 x^2 + 1}$$

Sequence: A041198
Score: 6.0313

Type of gen. func.: ogf

$$-(31786040 f(x) + 11817181)$$

$$(f(x) x^4 - 42 f(x) x^2 + x^3 - 10 x^2 + f(x) - 21 x - 10)$$

Sequence: A041198
Score: 9.23399
Type of gen. func.: lgdogf

$$- \frac{x^6 - 20 x^5 - 21 x^4 - 40 x^3 + 879 x^2 + 860 x + 21}{(x + 1) (x^2 - 11 x - 10) (x^4 - 42 x^2 + 1)}$$

Sequence: A041199
Score: 11.0247
Type of gen. func.: lgdogf

$$- \frac{2 (x + 1) (x^4 - 4 x^3 + 2 x^2 + 40 x + 1)}{(x^2 - 2 x - 1) (x^4 - 42 x^2 + 1)}$$

Sequence: A041199
Score: 11.6181
Type of gen. func.: ogf

$$- \frac{x^2 - 2 x - 1}{x^4 - 42 x^2 + 1}$$

Sequence: A041199
Score: 6.80654
Type of gen. func.: ogf

$$(11114 f(x) - 97) (f(x) x^4 - 42 f(x) x^2 + x^2 + f(x) - 2 x - 1)$$

Sequence: A041201
Score: 4.53628

Type of gen. func.: ogf

$$-\frac{(x^2-2x-1)(x^4-x^3+2x^2+x+1)(x^4+2x^3+5x^2-2x+1)}{x^{12}-590x^6+1}$$

Sequence: A041202
Score: 3.85825
Type of gen. func.: ogf

$$-(x^{11}-10x^{10}+11x^9-21x^8+53x^7-74x^6-127x^5-74x^4-53x^3-21x^2-11x-10)\Big/\big((x^6+16x^3+1)(x^6-16x^3+1)\big)$$

Sequence: A041203
Score: 4.86607
Type of gen. func.: ogf

$$-\frac{(x^6-6x^3-1)(x^4-x^3+2x^2+x+1)}{(x^6+16x^3+1)(x^6-16x^3+1)}$$

Sequence: A041216
Score: 5.35970
Type of gen. func.: ogf

$$-\frac{x^7-10x^6+11x^5-109x^4-120x^3-109x^2-11x-10}{x^8-240x^4+1}$$

Sequence: A041217
Score: 8.55516
Type of gen. func.: ogf

$$-\frac{(x^2-x-1)(x^4+11x^2+1)}{x^8-240x^4+1}$$

```
------------------------------------------------------------------------------

Sequence:  A041218
Score: 4.38219
Type of gen. func.: ogf


-(2429040 f(x) + 1789541)

           4            2    3       2
    (f(x) x  - 22 f(x) x  + x  - 10 x  + f(x) - 11 x - 10)



------------------------------------------------------------------------------

Sequence:  A041218
Score: 6.47827
Type of gen. func.: lgdogf


                  6       5       4       3        2
                 x  - 20 x  - 11 x  - 40 x  + 239 x  + 460 x + 11
               - ------------------------------------------------
                      3       2                    4       2
                    (x  - 10 x  - 11 x - 10) (x  - 22 x  + 1)



------------------------------------------------------------------------------

Sequence:  A041218
Score: 7.68470
Type of gen. func.: ogf


                               3       2
                              x  - 10 x  - 11 x - 10
                            - ----------------------
                                   4       2
                                  x  - 22 x  + 1



------------------------------------------------------------------------------

Sequence:  A041219
Score: 12.7118
Type of gen. func.: lgdogf


                         5      4      3       2
                      2 x  - 3 x  - 4 x  + 22 x  + 42 x + 1
                    - -------------------------------------
                            2            4       2
                          (x  - x - 1) (x  - 22 x  + 1)



------------------------------------------------------------------------------

Sequence:  A041219
Score: 13.1530
Type of gen. func.: ogf


                                     2
                                    x  - x - 1
                                - --------------
                                   4       2
```

$$x\ \ - 22\, x\ \ + 1$$

Sequence: A041219
Score: 6.52030
Type of gen. func.: lgdogf

$$-\frac{-2\, x^5 + 3\, x^4 + 4\, x^3 - 22\, x^2 - 42\, x - 1}{-x^6 + x^5 + 23\, x^4 - 22\, x^3 - 23\, x^2 + x + 1}$$

Sequence: A041219
Score: 7.62874
Type of gen. func.: ogf

$$(20242\, f(x) - 353)\,(f(x)\, x^4 - 22\, f(x)\, x^2 + x^2 + f(x) - x - 1)$$

Sequence: A041220
Score: 13.8646
Type of gen. func.: ogf

$$-\frac{x + 11}{x^2 + 22\, x - 1}$$

Sequence: A041220
Score: 13.9197
Type of gen. func.: revogf

$$\frac{-11 - 22\, x + (488\, x^2 + 488\, x + 121)^{1/2}}{2\,(x + 1)}$$

Sequence: A041220
Score: 18.2944
Type of gen. func.: lgdogf

$$-\frac{x^2 + 22\, x + 243}{(x + 11)\,(x^2 + 22\, x - 1)}$$

Sequence: A041220
Score: 7.24043
Type of gen. func.: ogf

$$(5368 f(x) + 1) (f(x) x^2 + 22 f(x) x - f(x) + x + 11)$$

Sequence: A041220
Score: 7.57719
Type of gen. func.: ogf

$$\{a(n + 2) - 22 a(n + 1) - a(n), a(0) = 11, a(1) = 243\}$$

Sequence: A041220
Score: 9.17800
Type of gen. func.: lgdogf

$$- \frac{x^2 + 22 x + 243}{x^3 + 33 x^2 + 241 x - 11}$$

Sequence: A041221
Score: 13.7004
Type of gen. func.: lgdogf

$$- \frac{-2 x - 22}{-x^2 - 22 x + 1}$$

Sequence: A041221
Score: 17.7225
Type of gen. func.: revogf

$$\frac{-22 x - 1 + (488 x^2 + 44 x + 1)^{1/2}}{2 x}$$

Sequence: A041221
Score: 20.1476
Type of gen. func.: ogf

$$-\frac{1}{x^2 + 22 x - 1}$$

Sequence: A041221
Score: 30.6116
Type of gen. func.: lgdogf

$$-\frac{2 (x + 11)}{x^2 + 22 x - 1}$$

Sequence: A041221
Score: 7.7843
Type of gen. func.: ogf

$$-(243 f(x) - 1) (f(x) x^2 + 22 f(x) x - f(x) + 1)$$

Sequence: A041221
Score: 8.15498
Type of gen. func.: ogf

$$\{-a(n + 2) + 22 a(n + 1) + a(n), a(0) = 1, a(1) = 22\}$$

Sequence: A041222
Score: 5.13597
Type of gen. func.: ogf

$$-(39147055266 f(x) + 2665441241) (f(x) x^4 - 244 f(x) x^2 + x^3 - 11 x^2 + f(x) - 122 x - 11)$$

Sequence: A041222
Score: 9.40387
Type of gen. func.: ogf

3 2

$$-\frac{x - 11 x - 122 x - 11}{x^4 - 244 x^2 + 1}$$

Sequence: A041223
Score: 10.0024
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 33 x^4 - 4 x^3 + 2684 x^2 + 486 x + 11}{(x^2 - 11 x - 1) (x^4 - 244 x^2 + 1)}$$

Sequence: A041223
Score: 11.5324
Type of gen. func.: ogf

$$-\frac{x^2 - 11 x - 1}{x^4 - 244 x^2 + 1}$$

Sequence: A041223
Score: 6.3481
Type of gen. func.: ogf

$$-(28933522 f(x) + 487) (f(x) x^4 - 244 f(x) x^2 + x^2 + f(x) - 11 x - 1)$$

Sequence: A041226
Score: 5.66629
Type of gen. func.: ogf

$$- (x^9 - 11 x^8 + 56 x^7 - 67 x^6 + 123 x^5 + 682 x^4 + 123 x^3 + 67 x^2 + 56 x + 11) \Big/ ((x^2 + 4 x - 1) (x^4 + 3 x^3 + 19 x^2 + 7 x + 1) (x^4 - 7 x^3 + 19 x^2 - 3 x + 1))$$

Sequence: A041227

Score: 6.35154
Type of gen. func.: ogf

$$-(x^8 - 5x^7 + 6x^6 - 11x^5 + 61x^4 + 11x^3 + 6x^2 + 5x + 1) \Big/ \left((x^2 + 4x - 1)(x^4 + 3x^3 + 19x^2 + 7x + 1)(x^4 - 7x^3 + 19x^2 - 3x + 1)\right)$$

Sequence: A041228
Score: 6.23880
Type of gen. func.: ogf

$$-\frac{x^7 - 11x^6 + 45x^5 - 101x^4 - 449x^3 - 101x^2 - 45x - 11}{(x^4 - 30x^2 + 1)(x^4 + 30x^2 + 1)}$$

Sequence: A041229
Score: 8.01422
Type of gen. func.: ogf

$$-\frac{(x^2 - 4x - 1)(x^4 + 10x^2 + 1)}{(x^4 - 30x^2 + 1)(x^4 + 30x^2 + 1)}$$

Sequence: A041232
Score: 4.73787
Type of gen. func.: ogf

$$-\frac{x^7 - 11x^6 + 34x^5 - 181x^4 - 577x^3 - 181x^2 - 34x - 11}{(x^2 + 6x + 1)(x^2 - 6x + 1)(x^4 + 34x^2 + 1)}$$

Sequence: A041233
Score: 7.42616
Type of gen. func.: ogf

$$-\frac{(x^2 - 3x - 1)(x^4 + 17x^2 + 1)}{(x^2 + 6x + 1)(x^2 - 6x + 1)(x^4 + 34x^2 + 1)}$$

Sequence: A041236
Score: 8.12377
Type of gen. func.: ogf

$$-\frac{x^5 - 11 x^4 + 23 x^3 + 57 x^2 + 23 x + 11}{x^6 + 114 x^3 - 1}$$

Sequence: A041237
Score: 9.36465
Type of gen. func.: ogf

$$-\frac{x^4 - 2 x^3 + 5 x^2 + 2 x + 1}{x^6 + 114 x^3 - 1}$$

Sequence: A041240
Score: 10.0602
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 - 12 x - 11)}{x^4 - 46 x^2 + 1}$$

Sequence: A041240
Score: 5.68976
Type of gen. func.: ogf

$$-(25114056 f(x) + 9344209)$$

$$(f(x) x^4 - 46 f(x) x^2 + x^3 - 11 x^2 + f(x) - 23 x - 11)$$

Sequence: A041240
Score: 8.41941
Type of gen. func.: lgdogf

$$-\frac{x^6 - 22 x^5 - 23 x^4 - 44 x^3 + 1055 x^2 + 1034 x + 23}{}$$

$$(x + 1) (x^2 - 12 x - 11) (x^4 - 46 x^2 + 1)$$

Sequence: A041241
Score: 11.1277
Type of gen. func.: lgdogf

$$- \frac{2 (x + 1) (x^4 - 4 x^3 + 2 x^2 + 44 x + 1)}{(x^2 - 2 x - 1) (x^4 - 46 x^2 + 1)}$$

Sequence: A041241
Score: 11.7246
Type of gen. func.: ogf

$$- \frac{x^2 - 2 x - 1}{x^4 - 46 x^2 + 1}$$

Sequence: A041241
Score: 6.66695
Type of gen. func.: ogf

$$(190258 f(x) - 1565) (f(x) x^4 - 46 f(x) x^2 + x^2 + f(x) - 2 x - 1)$$

Sequence: A041247
Score: 4.83799
Type of gen. func.: ogf

$$- \frac{(x^2 - x - 1) (x^4 + 3 x^2 + 1) (x^8 + 7 x^4 + 1)}{x^{16} - 488 x^8 + 1}$$

Sequence: A041248
Score: 6.96834
Type of gen. func.: ogf

$$x^7 - 11 x^6 + 12 x^5 - 23 x^4 - 35 x^3 - 23 x^2 - 12 x - 11$$

$$-\frac{}{x^{8} - 70 x^{4} + 1}$$

Sequence: A041249
Score: 8.26859
Type of gen. func.: ogf

$$-\frac{(x^{2} - x - 1)(x^{4} + 3 x^{2} + 1)}{x^{8} - 70 x^{4} + 1}$$

Sequence: A041252
Score: 7.28224
Type of gen. func.: ogf

$$-\frac{x^{7} - 11 x^{6} + 12 x^{5} - 35 x^{4} - 47 x^{3} - 35 x^{2} - 12 x - 11}{x^{8} - 94 x^{4} + 1}$$

Sequence: A041253
Score: 8.60532
Type of gen. func.: ogf

$$-\frac{(x^{2} - x - 1)(x^{4} + 4 x^{2} + 1)}{x^{8} - 94 x^{4} + 1}$$

Sequence: A041256
Score: 5.13229
Type of gen. func.: ogf

$$-\frac{x^{7} - 11 x^{6} + 12 x^{5} - 59 x^{4} - 71 x^{3} - 59 x^{2} - 12 x - 11}{(x^{4} + 12 x^{2} + 1)(x^{4} - 12 x^{2} + 1)}$$

Sequence: A041257
Score: 6.25133
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + 6x^2 + 1)}{(x^4 + 12x^2 + 1)(x^4 - 12x^2 + 1)}$$

Sequence: A041258
Score: 5.33642
Type of gen. func.: ogf

$$-\frac{x^7 - 11x^6 + 12x^5 - 83x^4 - 95x^3 - 83x^2 - 12x - 11}{x^8 - 190x^4 + 1}$$

Sequence: A041259
Score: 7.80512
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + 8x^2 + 1)}{x^8 - 190x^4 + 1}$$

Sequence: A041260
Score: 5.47313
Type of gen. func.: ogf

$$-\frac{x^7 - 11x^6 + 12x^5 - 131x^4 - 143x^3 - 131x^2 - 12x - 11}{x^8 - 286x^4 + 1}$$

Sequence: A041261
Score: 8.00661
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + 12x^2 + 1)}{x^8 - 286x^4 + 1}$$

Sequence: A041262
Score: 4.4317
Type of gen. func.: ogf

$$-(3775486 f(x) + 2786191)$$

$$(f(x) x^4 - 24 f(x) x^2 + x^3 - 11 x^2 + f(x) - 12 x - 11)$$

Sequence: A041262
Score: 6.55316
Type of gen. func.: lgdogf

$$-\frac{x^6 - 22 x^5 - 12 x^4 - 44 x^3 + 285 x^2 + 550 x + 12}{(x^3 - 11 x^2 - 12 x - 11) (x^4 - 24 x^2 + 1)}$$

Sequence: A041262
Score: 7.77154
Type of gen. func.: ogf

$$-\frac{x^3 - 11 x^2 - 12 x - 11}{x^4 - 24 x^2 + 1}$$

Sequence: A041263
Score: 11.7965
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 3 x^4 - 4 x^3 + 24 x^2 + 46 x + 1}{(x^2 - x - 1) (x^4 - 24 x^2 + 1)}$$

Sequence: A041263
Score: 12.2191
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{x^4 - 24 x^2 + 1}$$

Sequence: A041263
Score: 7.08706
Type of gen. func.: ogf

$$(26402 f(x) - 433) (f(x) x^4 - 24 f(x) x^2 + x^2 + f(x) - x - 1)$$

Sequence: A041264
Score: 14.1660
Type of gen. func.: ogf

$$- \frac{x + 12}{x^2 + 24 x - 1}$$

Sequence: A041264
Score: 16.3618
Type of gen. func.: revogf

$$\frac{-6 - 12 x + (145 x^2 + 145 x + 36)^{1/2}}{x + 1}$$

Sequence: A041264
Score: 18.6992
Type of gen. func.: lgdogf

$$- \frac{x^2 + 24 x + 289}{(x + 12) (x^2 + 24 x - 1)}$$

Sequence: A041264
Score: 7.39783
Type of gen. func.: ogf

$$(6960 f(x) + 1) (f(x) x^2 + 24 f(x) x - f(x) + x + 12)$$

Sequence: A041264
Score: 7.74191
Type of gen. func.: ogf

$$\{a(n+2) - 24\, a(n+1) - a(n),\ a(0) = 12,\ a(1) = 289\}$$

Sequence: A041264
Score: 9.37752
Type of gen. func.: lgdogf

$$-\frac{x^2 + 24\,x + 289}{x^3 + 36\,x^2 + 287\,x - 12}$$

Sequence: A041265
Score: 12.2961
Type of gen. func.: lgdogf

$$-\frac{-2\,x - 24}{-x^2 - 24\,x + 1}$$

Sequence: A041265
Score: 15.8809
Type of gen. func.: revogf

$$\frac{-24\,x - 1 + (580\,x^2 + 48\,x + 1)^{1/2}}{2\,x}$$

Sequence: A041265
Score: 18.0826
Type of gen. func.: ogf

$$-\frac{1}{x^2 + 24\,x - 1}$$

Sequence: A041265
Score: 27.4306
Type of gen. func.: lgdogf

$$-\frac{2\,(x + 12)}{x^2 + 24\,x - 1}$$

Sequence: A041265
Score: 6.98645
Type of gen. func.: ogf

$$-(289\,f(x) - 1)\,(f(x)\,x^2 + 24\,f(x)\,x - f(x) + 1)$$

Sequence: A041265
Score: 7.31913
Type of gen. func.: ogf

$$\{-a(n + 2) + 24\,a(n + 1) + a(n),\ a(0) = 1,\ a(1) = 24\}$$

Sequence: A041266
Score: 5.26937
Type of gen. func.: ogf

$$-(85162340784\,f(x) + 5316486193)$$

$$(f(x)\,x^4 - 290\,f(x)\,x^2 + x^3 - 12\,x^2 + f(x) - 145\,x - 12)$$

Sequence: A041266
Score: 9.64814
Type of gen. func.: ogf

$$-\frac{x^3 - 12\,x^2 - 145\,x - 12}{x^4 - 290\,x^2 + 1}$$

Sequence: A041267
Score: 10.4535
Type of gen. func.: ogf

$$-\frac{x^2 - 12\,x - 1}{}$$

$$x^4 - 290 x^2 + 1$$

Sequence: A041267
Score: 5.75423
Type of gen. func.: ogf

$$-(48608642 f(x) + 579) (f(x) x^4 - 290 f(x) x^2 + x^2 + f(x) - 12 x - 1)$$

Sequence: A041267
Score: 9.18879
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 18 x^4 - 2 x^3 + 1740 x^2 + 289 x + 6)}{(x^2 - 12 x - 1) (x^4 - 290 x^2 + 1)}$$

Sequence: A041268
Score: 4.99653
Type of gen. func.: ogf

$$-(17083425072 f(x) + 1598781553)$$

$$(f(x) x^4 - 194 f(x) x^2 + x^3 - 12 x^2 + f(x) - 97 x - 12)$$

Sequence: A041268
Score: 9.20790
Type of gen. func.: ogf

$$-\frac{x^3 - 12 x^2 - 97 x - 12}{(x^2 - 14 x + 1) (x^2 + 14 x + 1)}$$

Sequence: A041269
Score: 11.2787
Type of gen. func.: ogf

$$-\frac{x^2 - 8 x - 1}{}$$

$$(x^{2} - 14 x + 1) (x^{2} + 14 x + 1)$$

Sequence: A041269
Score: 6.04948
Type of gen. func.: ogf

$$-(14526722 f(x) - 12029) (f(x) x^{4} - 194 f(x) x^{2} + x^{2} + f(x) - 8 x - 1)$$

Sequence: A041269
Score: 8.71554
Type of gen. func.: lgdogf

$$- \frac{2 (x^{5} - 12 x^{4} - 2 x^{3} + 776 x^{2} + 193 x + 4)}{(x^{2} - 14 x + 1) (x^{2} + 14 x + 1) (x^{2} - 8 x - 1)}$$

Sequence: A041270
Score: 4.30559
Type of gen. func.: ogf

$$-(5488779504 f(x) + 684498961)$$

$$(f(x) x^{4} - 146 f(x) x^{2} + x^{3} - 12 x^{2} + f(x) - 73 x - 12)$$

Sequence: A041270
Score: 5.69656
Type of gen. func.: lgdogf

$$- \frac{x^{6} - 24 x^{5} - 73 x^{4} - 48 x^{3} + 10655 x^{2} + 3528 x + 73}{(x^{2} - 12 x - 1) (x^{2} + 12 x - 1) (x^{3} - 12 x^{2} - 73 x - 12)}$$

Sequence: A041270
Score: 7.81157
Type of gen. func.: ogf

$$- \frac{x^{3} - 12 x^{2} - 73 x - 12}{}$$

$$(x^2 - 12 x - 1) (x^2 + 12 x - 1)$$

Sequence: A041271
Score: 11.9829
Type of gen. func.: ogf

$$- \frac{x^2 - 6 x - 1}{(x^2 - 12 x - 1) (x^2 + 12 x - 1)}$$

Sequence: A041271
Score: 6.48617
Type of gen. func.: ogf

$$-(6181058 f(x) - 10221) (f(x) x^4 - 146 f(x) x^2 + x^2 + f(x) - 6 x - 1)$$

Sequence: A041271
Score: 9.39202
Type of gen. func.: lgdogf

$$- \frac{2 (x^5 - 9 x^4 - 2 x^3 + 438 x^2 + 145 x + 3)}{(x^2 - 12 x - 1) (x^2 - 6 x - 1) (x^2 + 12 x - 1)}$$

Sequence: A041274
Score: 4.6852
Type of gen. func.: ogf

$$-(223534320 f(x) + 41765309)$$

$$(f(x) x^4 - 98 f(x) x^2 + x^3 - 12 x^2 + f(x) - 49 x - 12)$$

Sequence: A041274
Score: 6.25717
Type of gen. func.: lgdogf

$$- \frac{x^6 - 24 x^5 - 49 x^4 - 48 x^3 + 4799 x^2 + 2376 x + 49}{}$$

$$(x + 3) (x^2 - 10 x + 1) (x^2 + 10 x + 1) (x^2 - 15 x - 4)$$

Sequence: A041274
Score: 8.41977
Type of gen. func.: ogf

$$- \frac{(x + 3) (x^2 - 15 x - 4)}{(x^2 - 10 x + 1) (x^2 + 10 x + 1)}$$

Sequence: A041275
Score: 5.33852
Type of gen. func.: ogf

$$-(1862786 f(x) - 6077) (f(x) x^4 - 98 f(x) x^2 + x^2 + f(x) - 4 x - 1)$$

Sequence: A041275
Score: 7.66361
Type of gen. func.: lgdogf

$$- \frac{2 (x^5 - 6 x^4 - 2 x^3 + 196 x^2 + 97 x + 2)}{(x^2 - 10 x + 1) (x^2 + 10 x + 1) (x^2 - 4 x - 1)}$$

Sequence: A041275
Score: 9.84864
Type of gen. func.: ogf

$$- \frac{x^2 - 4 x - 1}{(x^2 - 10 x + 1) (x^2 + 10 x + 1)}$$

Sequence: A041278
Score: 5.50828
Type of gen. func.: ogf

$$-(364436112 f(x) + 90679393)$$

$$(f(x)\, x^4 - 74\, f(x)\, x^2 + x^3 - 12\, x^2 + f(x) - 37\, x - 12)$$

Sequence: A041278
Score: 8.18346
Type of gen. func.: lgdogf

$$- \frac{x^6 - 24\, x^5 - 37\, x^4 - 48\, x^3 + 2735\, x^2 + 1800\, x + 37}{(x^3 - 12\, x^2 - 37\, x - 12)\, (x^4 - 74\, x^2 + 1)}$$

Sequence: A041278
Score: 9.89893
Type of gen. func.: ogf

$$- \frac{x^3 - 12\, x^2 - 37\, x - 12}{x^4 - 74\, x^2 + 1}$$

Sequence: A041279
Score: 10.7283
Type of gen. func.: lgdogf

$$- \frac{2\, x^5 - 9\, x^4 - 4\, x^3 + 222\, x^2 + 146\, x + 3}{(x^2 - 3\, x - 1)\, (x^4 - 74\, x^2 + 1)}$$

Sequence: A041279
Score: 11.8631
Type of gen. func.: ogf

$$- \frac{x^2 - 3\, x - 1}{x^4 - 74\, x^2 + 1}$$

Sequence: A041279
Score: 6.74571
Type of gen. func.: ogf

$$(799202 f(x) - 3849) (f(x) x^4 - 74 f(x) x^2 + x^2 + f(x) - 3 x - 1)$$

Sequence: A041284
Score: 4.86462
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^6 - 13 x^5 + 38 x^4 - 150 x^3 - 99 x^2 - 13 x - 12)}{x^8 - 498 x^4 + 1}$$

Sequence: A041285
Score: 8.18715
Type of gen. func.: ogf

$$- \frac{(x^2 - 2 x - 1) (x^4 + 10 x^2 + 1)}{x^8 - 498 x^4 + 1}$$

Sequence: A041286
Score: 4.5962
Type of gen. func.: ogf

$$-(76378224 f(x) + 28437073)$$

$$(f(x) x^4 - 50 f(x) x^2 + x^3 - 12 x^2 + f(x) - 25 x - 12)$$

Sequence: A041286
Score: 6.83401
Type of gen. func.: lgdogf

$$- \frac{x^6 - 24 x^5 - 25 x^4 - 48 x^3 + 1247 x^2 + 1224 x + 25}{(x + 1) (x^2 - 13 x - 12) (x^4 - 50 x^2 + 1)}$$

Sequence: A041286
Score: 8.19322
Type of gen. func.: ogf

$$-\frac{(x+1)(x^2-13x-12)}{x^4-50x^2+1}$$

Sequence: A041287
Score: 11.4884
Type of gen. func.: lgdogf

$$-\frac{2(x+1)(x^4-4x^3+2x^2+48x+1)}{(x^2-2x-1)(x^4-50x^2+1)}$$

Sequence: A041287
Score: 12.0977
Type of gen. func.: ogf

$$-\frac{x^2-2x-1}{x^4-50x^2+1}$$

Sequence: A041287
Score: 6.6195
Type of gen. func.: ogf

$$-(244802 f(x) - 1901) (f(x) x^4 - 50 f(x) x^2 + x^2 + f(x) - 2 x - 1)$$

Sequence: A041293
Score: 3.72136
Type of gen. func.: ogf

$$-\frac{165459 x^{15} + 1228670 x^{10} - 53423 x^5 - 5294}{(x^2+x-1)(1278984 x^{15} + 14018510 x^{10} - 483 x^5 - 5294)}$$

Sequence: A041303
Score: 5.54363
Type of gen. func.: ogf

$$-\frac{x^{10} - x^{9} + 5 x^{8} - 31 x^{7} + 129 x^{6} - 160 x^{5} - 129 x^{4} - 31 x^{3} - 5 x^{2} - x - 1}{(x^{6} - 64 x^{3} - 1) (x^{6} + 64 x^{3} - 1)}$$

Sequence: A041304
Score: 4.76479
Type of gen. func.: ogf

$$- (x^{11} - 12 x^{10} + 13 x^{9} - 77 x^{8} + 167 x^{7} - 912 x^{6} - 1079 x^{5} - 912 x^{4} - 167 x^{3} - 77 x^{2} - 13 x - 12) \Big/ ((x^{4} - 13 x^{2} + 1) (x^{8} + 13 x^{6} + 168 x^{4} + 13 x^{2} + 1))$$

Sequence: A041305
Score: 5.27265
Type of gen. func.: ogf

$$-\frac{x^{10} - x^{9} + 6 x^{8} - 13 x^{7} + 71 x^{6} - 84 x^{5} - 71 x^{4} - 13 x^{3} - 6 x^{2} - x - 1}{(x^{4} - 13 x^{2} + 1) (x^{8} + 13 x^{6} + 168 x^{4} + 13 x^{2} + 1)}$$

Sequence: A041308
Score: 6.73514
Type of gen. func.: ogf

$$-\frac{x^{7} - 12 x^{6} + 13 x^{5} - 155 x^{4} - 168 x^{3} - 155 x^{2} - 13 x - 12}{x^{8} - 336 x^{4} + 1}$$

Sequence: A041309
Score: 7.67052
Type of gen. func.: ogf

$$-\frac{(x^{2} - x - 1) (x^{4} + 13 x^{2} + 1)}{x^{8} - 336 x^{4} + 1}$$

Sequence: A041310
Score: 10.6334
Type of gen. func.: ogf

$$-\frac{x^3 - 12 x^2 - 13 x - 12}{x^4 - 26 x^2 + 1}$$

Sequence: A041310
Score: 6.06368
Type of gen. func.: ogf

$$-(5661264 f(x) + 4183681)$$

$$(f(x) x^4 - 26 f(x) x^2 + x^3 - 12 x^2 + f(x) - 13 x - 12)$$

Sequence: A041310
Score: 9.01453
Type of gen. func.: lgdogf

$$-\frac{x^6 - 24 x^5 - 13 x^4 - 48 x^3 + 335 x^2 + 648 x + 13}{(x^3 - 12 x^2 - 13 x - 12) (x^4 - 26 x^2 + 1)}$$

Sequence: A041311
Score: 12.0120
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 3 x^4 - 4 x^3 + 26 x^2 + 50 x + 1}{(x^2 - x - 1) (x^4 - 26 x^2 + 1)}$$

Sequence: A041311
Score: 12.4382
Type of gen. func.: ogf

$$x^2 - x - 1$$

$$- \frac{\qquad}{x^4 - 26 x^2 + 1}$$

Sequence: A041311
Score: 7.21418
Type of gen. func.: ogf

$$(33698 f(x) - 521) (f(x) x^4 - 26 f(x) x^2 + x^2 + f(x) - x - 1)$$

Sequence: A041312
Score: 14.4674
Type of gen. func.: ogf

$$- \frac{x + 13}{x^2 + 26 x - 1}$$

Sequence: A041312
Score: 14.5356
Type of gen. func.: revogf

$$\frac{-13 - 26 x + (680 x^2 + 680 x + 169)^{1/2}}{2 (x + 1)}$$

Sequence: A041312
Score: 19.1039
Type of gen. func.: lgdogf

$$- \frac{x^2 + 26 x + 339}{(x + 13) (x^2 + 26 x - 1)}$$

Sequence: A041312
Score: 7.55524
Type of gen. func.: ogf

$$(8840 f(x) + 1) (f(x) x^2 + 26 f(x) x - f(x) + x + 13)$$

Sequence: A041312
Score: 7.90663
Type of gen. func.: ogf

$$\{a(n+2) - 26\,a(n+1) - a(n),\ a(0) = 13,\ a(1) = 339\}$$

Sequence: A041312
Score: 9.57704
Type of gen. func.: lgdogf

$$-\frac{x^2 + 26\,x + 339}{x^3 + 39\,x^2 + 337\,x - 13}$$

Sequence: A041313
Score: 12.5228
Type of gen. func.: lgdogf

$$-\frac{-2\,x - 26}{-x^2 - 26\,x + 1}$$

Sequence: A041313
Score: 16.1791
Type of gen. func.: revogf

$$\frac{-26\,x - 1 + (680\,x^2 + 52\,x + 1)^{1/2}}{2\,x}$$

Sequence: A041313
Score: 18.4159
Type of gen. func.: ogf

$$-\frac{1}{x^2 + 26\,x - 1}$$

Sequence: A041313
Score: 27.9458
Type of gen. func.: lgdogf

$$-\frac{2\,(x + 13)}{x^2 + 26\,x - 1}$$

Sequence: A041313
Score: 7.11523
Type of gen. func.: ogf

$$-(339\,f(x) - 1)\,(f(x)\,x^2 + 26\,f(x)\,x - f(x) + 1)$$

Sequence: A041313
Score: 7.45404
Type of gen. func.: ogf

$$\{-a(n + 2) + 26\,a(n + 1) + a(n),\ a(0) = 1,\ a(1) = 26\}$$

Sequence: A041314
Score: 5.29901
Type of gen. func.: ogf

$$-(174228607566\,f(x) + 10041737993)\,(f(x)\,x^4 - 340\,f(x)\,x^2 + x^3 - 13\,x^2 + f(x) - 170\,x - 13)$$

Sequence: A041314
Score: 9.85169
Type of gen. func.: ogf

$$-\frac{x^3 - 13\,x^2 - 170\,x - 13}{x^4 - 340\,x^2 + 1}$$

Sequence: A041315
Score: 10.7907
Type of gen. func.: ogf

$$-\frac{x^2 - 13 x - 1}{x^4 - 340 x^2 + 1}$$

Sequence: A041315
Score: 5.93985
Type of gen. func.: ogf

$$-(78375442 f(x) + 679) (f(x) x^4 - 340 f(x) x^2 + x^2 + f(x) - 13 x - 1)$$

Sequence: A041315
Score: 9.35120
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 39 x^4 - 4 x^3 + 4420 x^2 + 678 x + 13}{(x^2 - 13 x - 1) (x^4 - 340 x^2 + 1)}$$

Sequence: A041318
Score: 5.42681
Type of gen. func.: ogf

$$- (x^9 - 13 x^8 + 79 x^7 - 92 x^6 + 171 x^5 + 1118 x^4 + 171 x^3 + 92 x^2 + 79 x + 13) \Big/ (x^{10} + 2236 x^5 - 1)$$

Sequence: A041319
Score: 6.66768
Type of gen. func.: ogf

$$-\frac{x^8 - 6 x^7 + 7 x^6 - 13 x^5 + 85 x^4 + 13 x^3 + 7 x^2 + 6 x + 1}{x^{10} + 2236 x^5 - 1}$$

Sequence: A041320
Score: 6.44560

Type of gen. func.: ogf

$$-\frac{x^7 - 13 x^6 + 66 x^5 - 277 x^4 - 1451 x^3 - 277 x^2 - 66 x - 13}{x^8 - 2902 x^4 + 1}$$

Sequence: A041321
Score: 7.43781
Type of gen. func.: ogf

$$-\frac{(x^2 - 5 x - 1) (x^4 + 22 x^2 + 1)}{x^8 - 2902 x^4 + 1}$$

Sequence: A041322
Score: 4.97463
Type of gen. func.: ogf

$$- (x^{11} - 13 x^{10} + 53 x^9 - 119 x^8 + 172 x^7 - 463 x^6 - 2024 x^5 - 463 x^4 - 172 x^3 - 119 x^2 - 53 x - 13) / ((x^4 - 16 x^2 + 1) (x^8 + 16 x^6 + 255 x^4 + 16 x^2 + 1))$$

Sequence: A041323
Score: 5.62763
Type of gen. func.: ogf

$$- (x^{10} - 4 x^9 + 9 x^8 - 13 x^7 + 35 x^6 - 153 x^5 - 35 x^4 - 13 x^3 - 9 x^2 - 4 x - 1) / ((x^4 - 16 x^2 + 1) (x^8 + 16 x^6 + 255 x^4 + 16 x^2 + 1))$$

Sequence: A041324
Score: 6.41750
Type of gen. func.: ogf

$$-\frac{x^7 - 13 x^6 + 40 x^5 - 53 x^4 - 199 x^3 - 53 x^2 - 40 x - 13}{}$$

$$(x^4 + 20 x^2 + 1) (x^4 - 20 x^2 + 1)$$

Sequence: A041325
Score: 7.90725
Type of gen. func.: ogf

$$- \frac{(x^2 - 3 x - 1) (x^4 + 5 x^2 + 1)}{(x^4 + 20 x^2 + 1) (x^4 - 20 x^2 + 1)}$$

Sequence: A041328
Score: 4.95538
Type of gen. func.: ogf

$$- (x^{11} - 13 x^{10} + 27 x^9 - 40 x^8 + 507 x^7 - 547 x^6 - 1601 x^5 - 547 x^4 - 507 x^3 - 40 x^2 - 27 x - 13) / (x^{12} - 3202 x^6 + 1)$$

Sequence: A041329
Score: 5.50421
Type of gen. func.: ogf

$$- (x^{10} - 2 x^9 + 3 x^8 - 38 x^7 + 41 x^6 - 120 x^5 - 41 x^4 - 38 x^3 - 3 x^2 - 2 x - 1) / (x^{12} - 3202 x^6 + 1)$$

Sequence: A041332
Score: 6.77192
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^6 - 14 x^5 + 41 x^4 - 108 x^3 - 53 x^2 - 14 x - 13)}{(x^2 + 4 x - 1) (x^2 - 4 x - 1) (x^4 + 18 x^2 + 1)}$$

Sequence: A041333
Score: 7.73230

Type of gen. func.: ogf

$$-\frac{(x^2-2x-1)(x^4+6x^2+1)}{(x^2+4x-1)(x^2-4x-1)(x^4+18x^2+1)}$$

Sequence: A041336
Score: 10.3690
Type of gen. func.: ogf

$$-\frac{(x+1)(x^2-14x-13)}{x^4-54x^2+1}$$

Sequence: A041336
Score: 5.81677
Type of gen. func.: ogf

$-(56216524 f(x) + 20942279)$

$$(f(x)\,x^4 - 54 f(x)\,x^2 + x^3 - 13x^2 + f(x) - 27x - 13)$$

Sequence: A041336
Score: 8.68252
Type of gen. func.: lgdogf

$$-\frac{x^6-26x^5-27x^4-52x^3+1455x^2+1430x+27}{(x+1)(x^2-14x-13)(x^4-54x^2+1)}$$

Sequence: A041337
Score: 11.6429
Type of gen. func.: lgdogf

$$-\frac{2(x+1)(x^4-4x^3+2x^2+52x+1)}{(x^2-2x-1)(x^4-54x^2+1)}$$

Sequence: A041337
Score: 12.2576
Type of gen. func.: ogf

$$-\frac{x^2 - 2x - 1}{x^4 - 54x^2 + 1}$$

Sequence: A041337
Score: 6.70698
Type of gen. func.: ogf

$$-(308882 f(x) - 2269) (f(x) x^4 - 54 f(x) x^2 + x^2 + f(x) - 2x - 1)$$

Sequence: A041338
Score: 4.88715
Type of gen. func.: ogf

$$-(x^{11} - 13x^{10} + 14x^9 - 27x^8 + 230x^7 - 257x^6 - 487x^5 - 257x^4 - 230x^3 - 27x^2 - 14x - 13) / (x^{12} - 974x^6 + 1)$$

Sequence: A041339
Score: 5.63911
Type of gen. func.: ogf

$$-\frac{(x^6 - 18x^3 - 1)(x^4 - x^3 + 2x^2 + x + 1)}{x^{12} - 974x^6 + 1}$$

Sequence: A041342
Score: 5.94465
Type of gen. func.: ogf

$$-\frac{x^9 - 13x^8 + 14x^7 - 27x^6 + 41x^5 + 68x^4 + 41x^3 + 27x^2 + 14x + 13}{x^{10} + 136x^5 - 1}$$

Sequence: A041343
Score: 6.86539
Type of gen. func.: ogf

$$-\frac{(x^4+2x^3+4x^2+3x+1)(x^4-3x^3+4x^2-2x+1)}{x^{10}+136x^5-1}$$

Sequence: A041346
Score: 4.93283
Type of gen. func.: ogf

$$-(x^{11}-13x^{10}+14x^9-41x^8+547x^7-1135x^6-1682x^5-1135x^4-547x^3-41x^2-14x-13)\ /\ (x^{12}-3364x^6+1)$$

Sequence: A041347
Score: 5.55358
Type of gen. func.: ogf

$$-\frac{x^{10}-x^9+3x^8-40x^7+83x^6-123x^5-83x^4-40x^3-3x^2-x-1}{x^{12}-3364x^6+1}$$

Sequence: A041350
Score: 6.91577
Type of gen. func.: ogf

$$-\frac{x^7-13x^6+14x^5-41x^4-55x^3-41x^2-14x-13}{x^8-110x^4+1}$$

Sequence: A041351
Score: 8.31219
Type of gen. func.: ogf

$$(x^2-x-1)(x^4+4x^2+1)$$

```
                     - ----------------------------
                               8       4
                              x  - 110 x  + 1
```

Sequence: A041356
Score: 6.98436
Type of gen. func.: ogf

$$-\frac{x^7-13x^6+14x^5-83x^4-97x^3-83x^2-14x-13}{(x^2-4x+1)(x^2+4x+1)(x^4+14x^2+1)}$$

Sequence: A041357
Score: 7.76932
Type of gen. func.: ogf

$$-\frac{(x^2-x-1)(x^4+7x^2+1)}{(x^2-4x+1)(x^2+4x+1)(x^4+14x^2+1)}$$

Sequence: A041360
Score: 6.91007
Type of gen. func.: ogf

$$-\frac{x^7-13x^6+14x^5-181x^4-195x^3-181x^2-14x-13}{x^8-390x^4+1}$$

Sequence: A041361
Score: 7.73901
Type of gen. func.: ogf

$$-\frac{(x^2-x-1)(x^4+14x^2+1)}{x^8-390x^4+1}$$

Sequence: A041362
Score: 10.9061
Type of gen. func.: ogf

$$-\frac{x^3 - 13 x^2 - 14 x - 13}{x^4 - 28 x^2 + 1}$$

Sequence: A041362
Score: 6.21916
Type of gen. func.: ogf

$$-(1646814 f(x) + 1218433)$$

$$(f(x) x^4 - 28 f(x) x^2 + x^3 - 13 x^2 + f(x) - 14 x - 13)$$

Sequence: A041362
Score: 9.24970
Type of gen. func.: lgdogf

$$-\frac{x^6 - 26 x^5 - 14 x^4 - 52 x^3 + 389 x^2 + 754 x + 14}{(x^3 - 13 x^2 - 14 x - 13) (x^4 - 28 x^2 + 1)}$$

Sequence: A041363
Score: 12.6574
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{x^4 - 28 x^2 + 1}$$

Sequence: A041363
Score: 7.3413
Type of gen. func.: ogf

$$(42226 f(x) - 617) (f(x) x^4 - 28 f(x) x^2 + x^2 + f(x) - x - 1)$$

Sequence: A041364
Score: 14.7689
Type of gen. func.: ogf

$$-\frac{x + 14}{x^2 + 28 x - 1}$$

Sequence: A041364
Score: 17.0701
Type of gen. func.: revogf

$$\frac{-7 - 14 x + (197 x^2 + 197 x + 49)^{1/2}}{x + 1}$$

Sequence: A041364
Score: 19.5087
Type of gen. func.: lgdogf

$$-\frac{x^2 + 28 x + 393}{(x + 14) (x^2 + 28 x - 1)}$$

Sequence: A041364
Score: 7.62788
Type of gen. func.: ogf

$$(11032 f(x) + 1) (f(x) x^2 + 28 f(x) x - f(x) + x + 14)$$

Sequence: A041364
Score: 8.07135
Type of gen. func.: ogf

$$\{a(n + 2) - 28 a(n + 1) - a(n), a(0) = 14, a(1) = 393\}$$

Sequence: A041364
Score: 9.77656
Type of gen. func.: lgdogf

$$-\frac{x^2 + 28 x + 393}{}$$

$$x^3 + 42 x^2 + 391 x - 14$$

Sequence: A041365
Score: 11.1458
Type of gen. func.: lgdogf

$$- \frac{-2 x - 28}{-x^2 - 28 x + 1}$$

Sequence: A041365
Score: 14.3737
Type of gen. func.: revogf

$$\frac{-28 x - 1 + (788 x^2 + 56 x + 1)^{1/2}}{2 x}$$

Sequence: A041365
Score: 16.3909
Type of gen. func.: ogf

$$- \frac{1}{x^2 + 28 x - 1}$$

Sequence: A041365
Score: 24.8273
Type of gen. func.: lgdogf

$$- \frac{2 (x + 14)}{x^2 + 28 x - 1}$$

Sequence: A041365
Score: 6.33284
Type of gen. func.: ogf

$$-(393 f(x) - 1) (f(x) x^2 + 28 f(x) x - f(x) + 1)$$

Sequence: A041365
Score: 6.63442
Type of gen. func.: ogf

$$\{-a(n + 2) + 28 a(n + 1) + a(n), a(0) = 1, a(1) = 28\}$$

Sequence: A041366
Score: 4.78641
Type of gen. func.: ogf

$$-(338222591784 f(x) + 18103660541) (f(x) x^4 - 394 f(x) x^2 + x^3 - 14 x^2 + f(x) - 197 x - 14)$$

Sequence: A041366
Score: 8.89868
Type of gen. func.: ogf

$$-\frac{x^3 - 14 x^2 - 197 x - 14}{x^4 - 394 x^2 + 1}$$

Sequence: A041367
Score: 10.9352
Type of gen. func.: ogf

$$-\frac{x^2 - 14 x - 1}{x^4 - 394 x^2 + 1}$$

Sequence: A041367
Score: 5.96468
Type of gen. func.: ogf

$$-(122013922 f(x) + 787) (f(x) x^4 - 394 f(x) x^2 + x^2 + f(x) - 14 x - 1)$$

Sequence: A041367
Score: 9.62019
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 21 x^4 - 2 x^3 + 2758 x^2 + 393 x + 7)}{(x^2 - 14 x - 1) (x^4 - 394 x^2 + 1)}$$

Sequence: A041370
Score: 5.01894
Type of gen. func.: ogf

$$-(21623820400 f(x) + 2312878597)$$

$$(f(x) x^4 - 198 f(x) x^2 + x^3 - 14 x^2 + f(x) - 99 x - 14)$$

Sequence: A041370
Score: 9.24919
Type of gen. func.: ogf

$$-\frac{x^3 - 14 x^2 - 99 x - 14}{(x^2 + 14 x - 1) (x^2 - 14 x - 1)}$$

Sequence: A041371
Score: 11.2787
Type of gen. func.: ogf

$$-\frac{x^2 - 7 x - 1}{(x^2 + 14 x - 1) (x^2 - 14 x - 1)}$$

Sequence: A041371
Score: 6.04948
Type of gen. func.: ogf

$$-(15445586 f(x) - 19009) (f(x) x^4 - 198 f(x) x^2 + x^2 + f(x) - 7 x - 1)$$

Sequence: A041371
Score: 8.60086
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 21 x^4 - 4 x^3 + 1386 x^2 + 394 x + 7}{(x^2 - 14 x - 1) (x^2 - 7 x - 1) (x^2 + 14 x - 1)}$$

Sequence: A041376
Score: 5.23971
Type of gen. func.: ogf

$-(2384553304 f(x) + 445757341)$

$(f(x) x^4 - 114 f(x) x^2 + x^3 - 14 x^2 + f(x) - 57 x - 14)$

Sequence: A041376
Score: 7.87549
Type of gen. func.: lgdogf

$$-\frac{x^6 - 28 x^5 - 57 x^4 - 56 x^3 + 6495 x^2 + 3220 x + 57}{(x^3 - 14 x^2 - 57 x - 14) (x^4 - 114 x^2 + 1)}$$

Sequence: A041376
Score: 9.50633
Type of gen. func.: ogf

$$-\frac{x^3 - 14 x^2 - 57 x - 14}{x^4 - 114 x^2 + 1}$$

Sequence: A041377
Score: 10.3914
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 6 x^4 - 2 x^3 + 228 x^2 + 113 x + 2)}{(x^2 - 4 x - 1) (x^4 - 114 x^2 + 1)}$$

Sequence: A041377
Score: 11.4752
Type of gen. func.: ogf

$$-\frac{x^2 - 4x - 1}{x^4 - 114x^2 + 1}$$

Sequence: A041377
Score: 6.26885
Type of gen. func.: ogf

$$-(2936642 f(x) - 8893) (f(x) x^4 - 114 f(x) x^2 + x^2 + f(x) - 4x - 1)$$

Sequence: A041387
Score: 5.88947
Type of gen. func.: ogf

$$-(x^6 - 9x^3 - 1)(x^4 - 2x^3 + 5x^2 + 2x + 1) \Big/ ((x^2 + 3x - 1)(x^2 - 3x - 1)(x^4 - 3x^3 + 10x^2 + 3x + 1)(x^4 + 3x^3 + 10x^2 - 3x + 1))$$

Sequence: A041390
Score: 10.5014
Type of gen. func.: ogf

$$-\frac{(x + 1)(x^2 - 15x - 14)}{x^4 - 58x^2 + 1}$$

Sequence: A041390
Score: 5.84352
Type of gen. func.: ogf

$$-(160971720 f(x) + 59995517)$$
$$(f(x) x^4 - 58 f(x) x^2 + x^3 - 14x^2 + f(x) - 29x - 14)$$

Sequence: A041390
Score: 8.79528
Type of gen. func.: lgdogf

$$-\frac{x^6 - 28 x^5 - 29 x^4 - 56 x^3 + 1679 x^2 + 1652 x + 29}{(x + 1) (x^2 - 15 x - 14) (x^4 - 58 x^2 + 1)}$$

Sequence: A041391
Score: 10.7066
Type of gen. func.: lgdogf

$$-\frac{2 (x + 1) (x^4 - 4 x^3 + 2 x^2 + 56 x + 1)}{(x^2 - 2 x - 1) (x^4 - 58 x^2 + 1)}$$

Sequence: A041391
Score: 11.2857
Type of gen. func.: ogf

$$-\frac{x^2 - 2 x - 1}{x^4 - 58 x^2 + 1}$$

Sequence: A041391
Score: 6.17521
Type of gen. func.: ogf

$$-(383266 f(x) - 2669) (f(x) x^4 - 58 f(x) x^2 + x^2 + f(x) - 2 x - 1)$$

Sequence: A041400
Score: 7.31363
Type of gen. func.: ogf

$$-\frac{x^7 - 14 x^6 + 15 x^5 - 29 x^4 - 44 x^3 - 29 x^2 - 15 x - 14}{x^8 - 88 x^4 + 1}$$

Sequence: A041401
Score: 8.56791
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)\,(x^4 + 3\,x^2 + 1)}{x^8 - 88\,x^4 + 1}$$

Sequence: A041402
Score: 4.88715
Type of gen. func.: ogf

$$-(x^{11} - 14\,x^{10} + 15\,x^9 - 44\,x^8 + 147\,x^7 - 338\,x^6 - 485\,x^5 - 338\,x^4 - 147\,x^3 - 44\,x^2 - 15\,x - 14) \Big/ ((x^4 - 10\,x^2 + 1)\,(x^8 + 10\,x^6 + 99\,x^4 + 10\,x^2 + 1))$$

Sequence: A041403
Score: 5.98343
Type of gen. func.: ogf

$$-\frac{x^{10} - x^9 + 3\,x^8 - 10\,x^7 + 23\,x^6 - 33\,x^5 - 23\,x^4 - 10\,x^3 - 3\,x^2 - x - 1}{(x^4 - 10\,x^2 + 1)\,(x^8 + 10\,x^6 + 99\,x^4 + 10\,x^2 + 1)}$$

Sequence: A041406
Score: 5.98167
Type of gen. func.: ogf

$$-\frac{x^9 - 14\,x^8 + 15\,x^7 - 59\,x^6 + 192\,x^5 + 251\,x^4 + 192\,x^3 + 59\,x^2 + 15\,x + 14}{x^{10} + 502\,x^5 - 1}$$

Sequence: A041407
Score: 6.59168

Type of gen. func.: ogf

$$-\frac{x^8 - x^7 + 4x^6 - 13x^5 + 17x^4 + 13x^3 + 4x^2 + x + 1}{x^{10} + 502x^5 - 1}$$

Sequence: A041408
Score: 6.74142
Type of gen. func.: ogf

$$-\frac{x^7 - 14x^6 + 15x^5 - 59x^4 - 74x^3 - 59x^2 - 15x - 14}{x^8 - 148x^4 + 1}$$

Sequence: A041409
Score: 8.07662
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + 5x^2 + 1)}{x^8 - 148x^4 + 1}$$

Sequence: A041410
Score: 5.27809
Type of gen. func.: ogf

$$-\frac{x^7 - 14x^6 + 15x^5 - 74x^4 - 89x^3 - 74x^2 - 15x - 14}{x^8 - 178x^4 + 1}$$

Sequence: A041411
Score: 6.42594
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + 6x^2 + 1)}{x^8 - 178x^4 + 1}$$

Sequence: A041412
Score: 4.86959
Type of gen. func.: ogf

$$-(x^{11} - 14 x^{10} + 15 x^9 - 104 x^8 + 223 x^7 - 1442 x^6 - 1665 x^5 - 1442 x^4 - 223 x^3 - 104 x^2 - 15 x - 14) \Big/ ((x^4 - 15 x^2 + 1) (x^8 + 15 x^6 + 224 x^4 + 15 x^2 + 1))$$

Sequence: A041413
Score: 5.52889
Type of gen. func.: ogf

$$-\frac{x^{10} - x^9 + 7 x^8 - 15 x^7 + 97 x^6 - 112 x^5 - 97 x^4 - 15 x^3 - 7 x^2 - x - 1}{(x^4 - 15 x^2 + 1) (x^8 + 15 x^6 + 224 x^4 + 15 x^2 + 1)}$$

Sequence: A041414
Score: 5.13938
Type of gen. func.: ogf

$$-\frac{x^7 - 14 x^6 + 15 x^5 - 134 x^4 - 149 x^3 - 134 x^2 - 15 x - 14}{x^8 - 298 x^4 + 1}$$

Sequence: A041415
Score: 8.14525
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1) (x^4 + 10 x^2 + 1)}{x^8 - 298 x^4 + 1}$$

Sequence: A041416
Score: 4.78217
Type of gen. func.: ogf

$$-\frac{x^7 - 14 x^6 + 15 x^5 - 209 x^4 - 224 x^3 - 209 x^2 - 15 x - 14}{x^8 - 448 x^4 + 1}$$

Sequence: A041417
Score: 7.87598
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1) (x^4 + 15 x^2 + 1)}{x^8 - 448 x^4 + 1}$$

Sequence: A041418
Score: 4.22358
Type of gen. func.: ogf

$-(11666368 f(x) + 8640325)$

$$(f(x) x^4 - 30 f(x) x^2 + x^3 - 14 x^2 + f(x) - 15 x - 14)$$

Sequence: A041418
Score: 6.29374
Type of gen. func.: lgdogf

$$-\frac{x^6 - 28 x^5 - 15 x^4 - 56 x^3 + 447 x^2 + 868 x + 15}{(x^3 - 14 x^2 - 15 x - 14) (x^4 - 30 x^2 + 1)}$$

Sequence: A041418
Score: 7.46778
Type of gen. func.: ogf

$$-\frac{x^3 - 14 x^2 - 15 x - 14}{x^4 - 30 x^2 + 1}$$

Sequence: A041419
Score: 12.7670

Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{x^4 - 30 x^2 + 1}$$

Sequence: A041419
Score: 7.40487
Type of gen. func.: ogf

$$(52082 f(x) - 721) (f(x) x^4 - 30 f(x) x^2 + x^2 + f(x) - x - 1)$$

Sequence: A041420
Score: 13.1551
Type of gen. func.: ogf

$$-\frac{x + 15}{x^2 + 30 x - 1}$$

Sequence: A041420
Score: 13.1999
Type of gen. func.: revogf

$$\frac{-15 - 30 x + (904 x^2 + 904 x + 225)^{1/2}}{2 (x + 1)}$$

Sequence: A041420
Score: 17.3485
Type of gen. func.: lgdogf

$$-\frac{x^2 + 30 x + 451}{(x + 15) (x^2 + 30 x - 1)}$$

Sequence: A041420
Score: 6.79437
Type of gen. func.: ogf

$$(13560 f(x) + 1) (f(x) x^2 + 30 f(x) x - f(x) + x + 15)$$

Sequence: A041420
Score: 7.18940
Type of gen. func.: ogf

$$\{a(n + 2) - 30 a(n + 1) - a(n), a(0) = 15, a(1) = 451\}$$

Sequence: A041420
Score: 8.70828
Type of gen. func.: lgdogf

$$- \frac{x^2 + 30 x + 451}{x^3 + 45 x^2 + 449 x - 15}$$

Sequence: A041421
Score: 11.3122
Type of gen. func.: lgdogf

$$- \frac{-2 x - 30}{-x^2 - 30 x + 1}$$

Sequence: A041421
Score: 14.5926
Type of gen. func.: revogf

$$\frac{-30 x - 1 + (904 x^2 + 60 x + 1)^{1/2}}{2 x}$$

Sequence: A041421
Score: 16.6355
Type of gen. func.: ogf

$$- \frac{1}{\quad ^2}$$

$$x + 30 x - 1$$

Sequence: A041421
Score: 25.2054
Type of gen. func.: lgdogf

$$-\frac{2 (x + 15)}{x^2 + 30 x - 1}$$

Sequence: A041421
Score: 6.42736
Type of gen. func.: ogf

$$-(451 f(x) - 1) (f(x) x^2 + 30 f(x) x - f(x) + 1)$$

Sequence: A041421
Score: 6.73343
Type of gen. func.: ogf

$$\{-a(n + 2) + 30 a(n + 1) + a(n), a(0) = 1, a(1) = 30\}$$

Sequence: A041422
Score: 3.73383
Type of gen. func.: ogf

$$-(627474768810 f(x) + 31350499201) (f(x) x^4 - 452 f(x) x^2 + x^3 - 15 x^2 + f(x) - 226 x - 15)$$

Sequence: A041422
Score: 6.94176
Type of gen. func.: ogf

$$-\frac{x^3 - 15 x^2 - 226 x - 15}{x^4 - 452 x^2 + 1}$$

Sequence: A041423
Score: 5.35735
Type of gen. func.: ogf

$$-(184280402 f(x) + 903) (f(x) x^4 - 452 f(x) x^2 + x^2 + f(x) - 15 x - 1)$$

Sequence: A041423
Score: 8.49963
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 45 x^4 - 4 x^3 + 6780 x^2 + 902 x + 15}{(x^2 - 15 x - 1) (x^4 - 452 x^2 + 1)}$$

Sequence: A041423
Score: 9.82180
Type of gen. func.: ogf

$$-\frac{x^2 - 15 x - 1}{x^4 - 452 x^2 + 1}$$

Sequence: A041424
Score: 3.62462
Type of gen. func.: ogf

$$-(62590106280 f(x) + 4689031013)$$
$$(f(x) x^4 - 302 f(x) x^2 + x^3 - 15 x^2 + f(x) - 151 x - 15)$$

Sequence: A041424
Score: 6.63663
Type of gen. func.: ogf

$$-\frac{x^3 - 15 x^2 - 151 x - 15}{x^4 - 302 x^2 + 1}$$

Sequence: A041425
Score: 10.3715
Type of gen. func.: lgdogf

$$-\frac{2\,(x^5 - 15\,x^4 - 2\,x^3 + 1510\,x^2 + 301\,x + 5)}{(x^2 - 10\,x - 1)\,(x^4 - 302\,x^2 + 1)}$$

Sequence: A041425
Score: 11.7778
Type of gen. func.: ogf

$$-\frac{x^2 - 10\,x - 1}{x^4 - 302\,x^2 + 1}$$

Sequence: A041425
Score: 6.36635
Type of gen. func.: ogf

$$-(54903602\,f(x) - 29597)\,(f(x)\,x^4 - 302\,f(x)\,x^2 + x^2 + f(x) - 10\,x - 1)$$

Sequence: A041426
Score: 5.52221
Type of gen. func.: ogf

$$-(x^9 - 15\,x^8 + 106\,x^7 - 121\,x^6 + 227\,x^5 + 1710\,x^4 + 227\,x^3 + 121\,x^2 + 106\,x + 15)\;/\;(x^{10} + 3420\,x^5 - 1)$$

Sequence: A041427
Score: 6.32797
Type of gen. func.: ogf

$$-\frac{x^8 - 7\,x^7 + 8\,x^6 - 15\,x^5 + 113\,x^4 + 15\,x^3 + 8\,x^2 + 7\,x + 1}{x^{10} + 3420\,x^5 - 1}$$

Sequence: A041428
Score: 3.83397
Type of gen. func.: ogf

$$-(8273211780 f(x) + 1032224243)$$

$$(f(x) x^4 - 182 f(x) x^2 + x^3 - 15 x^2 + f(x) - 91 x - 15)$$

Sequence: A041428
Score: 5.71022
Type of gen. func.: lgdogf

$$-\frac{x^6 - 30 x^5 - 91 x^4 - 60 x^3 + 16559 x^2 + 5490 x + 91}{(x^3 - 15 x^2 - 91 x - 15) (x^4 - 182 x^2 + 1)}$$

Sequence: A041428
Score: 7.01069
Type of gen. func.: ogf

$$-\frac{x^3 - 15 x^2 - 91 x - 15}{x^4 - 182 x^2 + 1}$$

Sequence: A041429
Score: 11.1290
Type of gen. func.: ogf

$$-\frac{x^2 - 6 x - 1}{x^4 - 182 x^2 + 1}$$

Sequence: A041429
Score: 5.96918
Type of gen. func.: ogf

$$-(11990162 f(x) - 19293) (f(x) x^4 - 182 f(x) x^2 + x^2 + f(x) - 6 x - 1)$$

Sequence: A041430
Score: 4.29409
Type of gen. func.: ogf

$$-(8058206310 f(x) + 1206022351)$$

$$(f(x) x^4 - 152 f(x) x^2 + x^3 - 15 x^2 + f(x) - 76 x - 15)$$

Sequence: A041430
Score: 6.40845
Type of gen. func.: lgdogf

$$-\frac{x^6 - 30 x^5 - 76 x^4 - 60 x^3 + 11549 x^2 + 4590 x + 76}{(x^3 - 15 x^2 - 76 x - 15) (x^4 - 152 x^2 + 1)}$$

Sequence: A041430
Score: 7.85204
Type of gen. func.: ogf

$$-\frac{x^3 - 15 x^2 - 76 x - 15}{x^4 - 152 x^2 + 1}$$

Sequence: A041431
Score: 5.14433
Type of gen. func.: ogf

$$-(6976802 f(x) - 14897) (f(x) x^4 - 152 f(x) x^2 + x^2 + f(x) - 5 x - 1)$$

Sequence: A041431
Score: 8.44877
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 15 x^4 - 4 x^3 + 760 x^2 + 302 x + 5}{(x^2 - 5 x - 1) (x^4 - 152 x^2 + 1)}$$

Sequence: A041431
Score: 9.50393
Type of gen. func.: ogf

$$-\frac{x^2 - 5x - 1}{x^4 - 152x^2 + 1}$$

Sequence: A041438
Score: 4.51907
Type of gen. func.: ogf

$$-(1085757810 f(x) + 270417781)$$

$$(f(x) x^4 - 92 f(x) x^2 + x^3 - 15 x^2 + f(x) - 46 x - 15)$$

Sequence: A041438
Score: 6.80294
Type of gen. func.: lgdogf

$$-\frac{x^6 - 30x^5 - 46x^4 - 60x^3 + 4229x^2 + 2790x + 46}{(x^3 - 15x^2 - 46x - 15)(x^4 - 92x^2 + 1)}$$

Sequence: A041438
Score: 8.25222
Type of gen. func.: ogf

$$-\frac{x^3 - 15x^2 - 46x - 15}{x^4 - 92x^2 + 1}$$

Sequence: A041439
Score: 11.1632
Type of gen. func.: lgdogf

```
            5      4      3        2
         2 x  - 9 x  - 4 x  + 276 x  + 182 x + 3
       - ----------------------------------------
                2              4       2
```

$$(x - 3 x - 1) (x - 92 x + 1)$$

Sequence: A041439
Score: 12.3356
Type of gen. func.: ogf

$$-\frac{x^2 - 3 x - 1}{x^4 - 92 x^2 + 1}$$

Sequence: A041439
Score: 6.68657
Type of gen. func.: ogf

$$-(1540082 f(x) - 6441) (f(x) x^4 - 92 f(x) x^2 + x^2 + f(x) - 3 x - 1)$$

Sequence: A041448
Score: 10.6779
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 - 16 x - 15)}{(x^2 - 8 x + 1) (x^2 + 8 x + 1)}$$

Sequence: A041448
Score: 5.94173
Type of gen. func.: ogf

$$-(112493280 f(x) + 41944673)$$

$$(f(x) x^4 - 62 f(x) x^2 + x^3 - 15 x^2 + f(x) - 31 x - 15)$$

Sequence: A041448
Score: 8.05106
Type of gen. func.: lgdogf

$$-\frac{x^6 - 30 x^5 - 31 x^4 - 60 x^3 + 1919 x^2 + 1890 x + 31}{{}^2 \qquad\qquad {}^2 \qquad\qquad {}^2}$$

$$(x + 1) (x + 8 x + 1) (x - 8 x + 1) (x - 16 x - 15)$$

Sequence: A041449
Score: 10.4379
Type of gen. func.: lgdogf

$$-\frac{2 (x + 1) (x^4 - 4 x^3 + 2 x^2 + 60 x + 1)}{(x^2 + 8 x + 1) (x^2 - 8 x + 1) (x^2 - 2 x - 1)}$$

Sequence: A041449
Score: 12.6306
Type of gen. func.: ogf

$$-\frac{x^2 - 2 x - 1}{(x^2 - 8 x + 1) (x^2 + 8 x + 1)}$$

Sequence: A041449
Score: 6.9111
Type of gen. func.: ogf

$$-(468722 f(x) - 3101) (f(x) x^4 - 62 f(x) x^2 + x^2 + f(x) - 2 x - 1)$$

Sequence: A041464
Score: 7.06946
Type of gen. func.: ogf

$$-\frac{x^7 - 15 x^6 + 16 x^5 - 47 x^4 - 63 x^3 - 47 x^2 - 16 x - 15}{x^8 - 126 x^4 + 1}$$

Sequence: A041465
Score: 8.45866
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1) (x^4 + 4 x^2 + 1)}{}$$

$$x^8 - 126 x^4 + 1$$

Sequence: A041472
Score: 6.53104
Type of gen. func.: ogf

$$- \frac{x^7 - 15 x^6 + 16 x^5 - 111 x^4 - 127 x^3 - 111 x^2 - 16 x - 15}{(x^4 - 16 x^2 + 1) (x^4 + 16 x^2 + 1)}$$

Sequence: A041473
Score: 8.12735
Type of gen. func.: ogf

$$- \frac{(x^2 - x - 1) (x^4 + 8 x^2 + 1)}{(x^4 - 16 x^2 + 1) (x^4 + 16 x^2 + 1)}$$

Sequence: A041476
Score: 6.55864
Type of gen. func.: ogf

$$- \frac{x^7 - 15 x^6 + 16 x^5 - 239 x^4 - 255 x^3 - 239 x^2 - 16 x - 15}{x^8 - 510 x^4 + 1}$$

Sequence: A041477
Score: 8.04720
Type of gen. func.: ogf

$$- \frac{(x^2 - x - 1) (x^4 + 16 x^2 + 1)}{x^8 - 510 x^4 + 1}$$

Sequence: A041478
Score: 4.23712
Type of gen. func.: ogf

$$-(16157310 f(x) + 11976811)$$

$$(f(x) x^4 - 32 f(x) x^2 + x^3 - 15 x^2 + f(x) - 16 x - 15)$$

Sequence: A041478
Score: 6.36735
Type of gen. func.: lgdogf

$$-\frac{x^6 - 30 x^5 - 16 x^4 - 60 x^3 + 509 x^2 + 990 x + 16}{(x^3 - 15 x^2 - 16 x - 15) (x^4 - 32 x^2 + 1)}$$

Sequence: A041478
Score: 7.55313
Type of gen. func.: ogf

$$-\frac{x^3 - 15 x^2 - 16 x - 15}{x^4 - 32 x^2 + 1}$$

Sequence: A041479
Score: 5.15266
Type of gen. func.: ogf

$$(63362 f(x) - 833) (f(x) x^4 - 32 f(x) x^2 + x^2 + f(x) - x - 1)$$

Sequence: A041479
Score: 8.53021
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 3 x^4 - 4 x^3 + 32 x^2 + 62 x + 1}{(x^2 - x - 1) (x^4 - 32 x^2 + 1)}$$

Sequence: A041479
Score: 8.88390
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{x^4 - 32 x^2 + 1}$$

Sequence: A041480
Score: 13.3910
Type of gen. func.: ogf

$$-\frac{x + 16}{x^2 + 32 x - 1}$$

Sequence: A041480
Score: 15.4572
Type of gen. func.: revogf

$$\frac{-8 - 16 x + (257 x^2 + 257 x + 64)^{1/2}}{x + 1}$$

Sequence: A041480
Score: 17.6654
Type of gen. func.: lgdogf

$$-\frac{x^2 + 32 x + 513}{(x + 16) (x^2 + 32 x - 1)}$$

Sequence: A041480
Score: 6.91624
Type of gen. func.: ogf

$$(16448 f(x) + 1) (f(x) x^2 + 32 f(x) x - f(x) + x + 16)$$

Sequence: A041480
Score: 7.31835
Type of gen. func.: ogf

$\{a(n + 2) - 32 a(n + 1) - a(n), a(0) = 16, a(1) = 513\}$

Sequence: A041480
Score: 8.86448
Type of gen. func.: lgdogf

$$-\frac{x^{2} + 32 x + 513}{x^{3} + 48 x^{2} + 511 x - 16}$$

Sequence: A041481
Score: 13.4294
Type of gen. func.: lgdogf

$$-\frac{-2 x - 32}{-x^{2} - 32 x + 1}$$

Sequence: A041481
Score: 16.9266
Type of gen. func.: revogf

$$\frac{-1 - 32 x + (1028 x^{2} + 64 x + 1)^{1/2}}{2 x}$$

Sequence: A041481
Score: 19.7491
Type of gen. func.: ogf

$$-\frac{1}{x^{2} + 32 x - 1}$$

Sequence: A041481
Score: 30.0063
Type of gen. func.: lgdogf

$$-\frac{2 (x + 16)}{{}^{2}}$$

$$x + 32 x - 1$$

Sequence: A041481
Score: 7.63036
Type of gen. func.: ogf

$$-(513 f(x) - 1) (f(x) x^2 + 32 f(x) x - f(x) + 1)$$

Sequence: A041481
Score: 7.99370
Type of gen. func.: ogf

$$\{-a(n + 2) + 32 a(n + 1) + a(n), a(0) = 1, a(1) = 32\}$$

Sequence: A041482
Score: 4.94215
Type of gen. func.: ogf

$$-(1118948237376 f(x) + 52416551681)$$

$$(f(x) x^4 - 514 f(x) x^2 + x^3 - 16 x^2 + f(x) - 257 x - 16)$$

Sequence: A041482
Score: 9.25782
Type of gen. func.: ogf

$$-\frac{x^3 - 16 x^2 - 257 x - 16}{x^4 - 514 x^2 + 1}$$

Sequence: A041483
Score: 10.0084
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 24 x^4 - 2 x^3 + 4112 x^2 + 513 x + 8)}{(x^2 - 16 x - 1) (x^4 - 514 x^2 + 1)}$$

Sequence: A041483
Score: 11.3688
Type of gen. func.: ogf

$$-\frac{x^2 - 16 x - 1}{x^4 - 514 x^2 + 1}$$

Sequence: A041483
Score: 6.14529
Type of gen. func.: ogf

$$-(271063042 f(x) + 1027) (f(x) x^4 - 514 f(x) x^2 + x^2 + f(x) - 16 x - 1)$$

Sequence: A041486
Score: 5.20267
Type of gen. func.: ogf

$$-(71162761280 f(x) + 6662789377) (f(x) x^4 - 258 f(x) x^2 + x^3 - 16 x^2 + f(x) - 129 x - 16)$$

Sequence: A041486
Score: 9.52601
Type of gen. func.: ogf

$$-\frac{x^3 - 16 x^2 - 129 x - 16}{(x^2 - 16 x - 1) (x^2 + 16 x - 1)}$$

Sequence: A041487
Score: 11.7278
Type of gen. func.: ogf

$$-\frac{x^2 - 8 x - 1}{(x^2 - 16 x - 1) (x^2 + 16 x - 1)}$$

Sequence: A041487
Score: 6.40688
Type of gen. func.: ogf

$$-(1179754 f(x) - 1121) (f(x) x^4 - 258 f(x) x^2 + x^2 + f(x) - 8 x - 1)$$

Sequence: A041487
Score: 8.94955
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 12 x^4 - 2 x^3 + 1032 x^2 + 257 x + 4)}{(x^2 - 16 x - 1) (x^2 - 8 x - 1) (x^2 + 16 x - 1)}$$

Sequence: A041494
Score: 5.37882
Type of gen. func.: ogf

$$-(4603824192 f(x) + 860944385)$$

$$(f(x) x^4 - 130 f(x) x^2 + x^3 - 16 x^2 + f(x) - 65 x - 16)$$

Sequence: A041494
Score: 8.08834
Type of gen. func.: lgdogf

$$-\frac{x^6 - 32 x^5 - 65 x^4 - 64 x^3 + 8447 x^2 + 4192 x + 65}{(x^3 - 16 x^2 - 65 x - 16) (x^4 - 130 x^2 + 1)}$$

Sequence: A041494
Score: 9.75871
Type of gen. func.: ogf

$$-\frac{x^3 - 16 x^2 - 65 x - 16}{x^4 - 130 x^2 + 1}$$

Sequence: A041495
Score: 10.5787
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 6 x^4 - 2 x^3 + 260 x^2 + 129 x + 2)}{(x^2 - 4 x - 1) (x^4 - 130 x^2 + 1)}$$

Sequence: A041495
Score: 11.6783
Type of gen. func.: ogf

$$-\frac{x^2 - 4 x - 1}{x^4 - 130 x^2 + 1}$$

Sequence: A041495
Score: 6.32127
Type of gen. func.: ogf

$$-(4359682 f(x) - 12221) (f(x) x^4 - 130 f(x) x^2 + x^2 + f(x) - 4 x - 1)$$

Sequence: A041498
Score: 6.60358
Type of gen. func.: ogf

$$-\frac{x^7 - 16 x^6 + 49 x^5 - 212 x^4 - 685 x^3 - 212 x^2 - 49 x - 16}{x^8 - 1370 x^4 + 1}$$

Sequence: A041499
Score: 7.55818
Type of gen. func.: ogf

$$-\frac{(x^2 - 3 x - 1) (x^4 + 14 x^2 + 1)}{x^8 - 1370 x^4 + 1}$$

Sequence: A041501
Score: 5.70167
Type of gen. func.: ogf

$$- (x^{10} - 2 x^9 + 3 x^8 - 47 x^7 + 50 x^6 - 147 x^5 - 50 x^4 - 47 x^3 - 3 x^2 - 2 x - 1) \Big/ (x^{12} - 4804 x^6 + 1)$$

Sequence: A041504
Score: 7.86810
Type of gen. func.: ogf

$$- \frac{x^5 - 16 x^4 + 33 x^3 + 82 x^2 + 33 x + 16}{x^6 + 164 x^3 - 1}$$

Sequence: A041505
Score: 9.87315
Type of gen. func.: ogf

$$- \frac{x^4 - 2 x^3 + 5 x^2 + 2 x + 1}{x^6 + 164 x^3 - 1}$$

Sequence: A041510
Score: 5.36835
Type of gen. func.: ogf

$$-(307913792 f(x) + 114851713)$$

$$(f(x) x^4 - 66 f(x) x^2 + x^3 - 16 x^2 + f(x) - 33 x - 16)$$

Sequence: A041510
Score: 7.32290
Type of gen. func.: lgdogf

$$- \frac{x^6 - 32 x^5 - 33 x^4 - 64 x^3 + 2175 x^2 + 2144 x + 33}{}$$

$$(x + 1) (x^2 - 17 x - 16) (x^2 + 8 x - 1) (x^2 - 8 x - 1)$$

Sequence: A041510
Score: 9.72528
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^2 - 17 x - 16)}{(x^2 - 8 x - 1) (x^2 + 8 x - 1)}$$

Sequence: A041511
Score: 10.5723
Type of gen. func.: lgdogf

$$- \frac{2 (x + 1) (x^4 - 4 x^3 + 2 x^2 + 64 x + 1)}{(x^2 - 8 x - 1) (x^2 + 8 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A041511
Score: 12.7905
Type of gen. func.: ogf

$$- \frac{x^2 - 2 x - 1}{(x^2 - 8 x - 1) (x^2 + 8 x - 1)}$$

Sequence: A041511
Score: 6.99859
Type of gen. func.: ogf

$$-(566018 f(x) - 3565) (f(x) x^4 - 66 f(x) x^2 + x^2 + f(x) - 2 x - 1)$$

Sequence: A041512
Score: 4.98425
Type of gen. func.: ogf

$$- (x^{11} - 16 x^{10} + 17 x^9 - 33 x^8 + 347 x^7 - 380 x^6 - 727 x^5 - 380 x^4 - 347 x^3$$

$$- 33 x^{2} - 17 x - 16) / (x^{12} - 1454 x^{6} + 1)$$

Sequence: A041513
Score: 5.82499
Type of gen. func.: ogf

$$- \frac{(x^{6} - 22 x^{3} - 1) (x^{4} - x^{3} + 2 x^{2} + x + 1)}{x^{12} - 1454 x^{6} + 1}$$

Sequence: A041515
Score: 5.22044
Type of gen. func.: ogf

$$- (x^{12} - x^{11} + 2 x^{10} - 9 x^{9} + 38 x^{8} - 47 x^{7} + 85 x^{6} + 47 x^{5} + 38 x^{4} + 9 x^{3}$$

$$+ 2 x^{2} + x + 1) / (x^{14} + 2814 x^{7} - 1)$$

Sequence: A041516
Score: 5.13339
Type of gen. func.: ogf

$$- (x^{11} - 16 x^{10} + 17 x^{9} - 33 x^{8} + 83 x^{7} - 116 x^{6} - 199 x^{5} - 116 x^{4} - 83 x^{3}$$

$$- 33 x^{2} - 17 x - 16) / ((x^{6} + 20 x^{3} + 1) (x^{6} - 20 x^{3} + 1))$$

Sequence: A041517
Score: 5.93860
Type of gen. func.: ogf

$$- \frac{(x^{6} - 6 x^{3} - 1) (x^{4} - x^{3} + 2 x^{2} + x + 1)}{(x^{6} + 20 x^{3} + 1) (x^{6} - 20 x^{3} + 1)}$$

Sequence: A041523
Score: 5.64089
Type of gen. func.: ogf

$$-\frac{x^{10}-x^{9}+3x^{8}-49x^{7}+101x^{6}-150x^{5}-101x^{4}-49x^{3}-3x^{2}-x-1}{x^{12}-5002x^{6}+1}$$

Sequence: A041526
Score: 5.26848
Type of gen. func.: ogf

$$-(x^{11}-16x^{10}+17x^{9}-50x^{8}+67x^{7}-184x^{6}-251x^{5}-184x^{4}-67x^{3}-50x^{2}-17x-16)\ /\ (x^{12}-502x^{6}+1)$$

Sequence: A041527
Score: 6.05839
Type of gen. func.: ogf

$$-\frac{(x^{2}-x-1)(x^{8}+4x^{6}+15x^{4}+4x^{2}+1)}{x^{12}-502x^{6}+1}$$

Sequence: A041537
Score: 5.61657
Type of gen. func.: ogf

$$-\frac{x^{10}-x^{9}+8x^{8}-17x^{7}+127x^{6}-144x^{5}-127x^{4}-17x^{3}-8x^{2}-x-1}{(x^{4}-17x^{2}+1)(x^{8}+17x^{6}+288x^{4}+17x^{2}+1)}$$

Sequence: A041540
Score: 6.64494
Type of gen. func.: ogf

$$-\frac{x^{7}-16x^{6}+17x^{5}-271x^{4}-288x^{3}-271x^{2}-17x-16}{x^{8}-576x^{4}+1}$$

Sequence: A041541
Score: 7.47180
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + 17x^2 + 1)}{x^8 - 576x^4 + 1}$$

Sequence: A041542
Score: 10.3035
Type of gen. func.: ogf

$$-\frac{x^3 - 16x^2 - 17x - 16}{(x^2 + 6x + 1)(x^2 - 6x + 1)}$$

Sequence: A041542
Score: 5.78
Type of gen. func.: ogf

$$-(21934656 f(x) + 16271681)$$

$$(f(x)x^4 - 34 f(x)x^2 + x^3 - 16x^2 + f(x) - 17x - 16)$$

Sequence: A041542
Score: 7.76194
Type of gen. func.: lgdogf

$$-\frac{x^6 - 32x^5 - 17x^4 - 64x^3 + 575x^2 + 1120x + 17}{(x^2 + 6x + 1)(x^2 - 6x + 1)(x^3 - 16x^2 - 17x - 16)}$$

Sequence: A041543
Score: 10.1903
Type of gen. func.: lgdogf

$$2x^5 - 3x^4 - 4x^3 + 34x^2 + 66x + 1$$

$$-\frac{}{(x^2+6x+1)(x^2-6x+1)(x^2-x-1)}$$

Sequence: A041543
Score: 12.1635
Type of gen. func.: ogf

$$-\frac{x^2-x-1}{(x^2+6x+1)(x^2-6x+1)}$$

Sequence: A041543
Score: 7.05486
Type of gen. func.: ogf

$$(76162 f(x) - 953)(f(x) x^4 - 34 f(x) x^2 + x^2 + f(x) - x - 1)$$

Sequence: A041544
Score: 13.1120
Type of gen. func.: revogf

$$\frac{-17 - 34 x + (1160 x^2 + 1160 x + 289)^{1/2}}{2 (x + 1)}$$

Sequence: A041544
Score: 13.6270
Type of gen. func.: ogf

$$-\frac{x + 17}{x^2 + 34 x - 1}$$

Sequence: A041544
Score: 17.9822
Type of gen. func.: lgdogf

$$-\frac{x^2 + 34 x + 579}{}$$

$$(x + 17) (x^2 + 34 x - 1)$$

Sequence: A041544
Score: 7.03811
Type of gen. func.: ogf

$$(19720 f(x) + 1) (f(x) x^2 + 34 f(x) x - f(x) + x + 17)$$

Sequence: A041544
Score: 7.44730
Type of gen. func.: ogf

$$\{a(n + 2) - 34 a(n + 1) - a(n), a(0) = 17, a(1) = 579\}$$

Sequence: A041544
Score: 9.02068
Type of gen. func.: lgdogf

$$- \frac{x^2 + 34 x + 579}{x^3 + 51 x^2 + 577 x - 17}$$

Sequence: A041545
Score: 11.7003
Type of gen. func.: lgdogf

$$- \frac{-2 x - 34}{-x^2 - 34 x + 1}$$

Sequence: A041545
Score: 14.7161
Type of gen. func.: revogf

$$\frac{-1 - 34 x + (1160 x^2 + 68 x + 1)^{1/2}}{2 x}$$

Sequence: A041545
Score: 17.2064
Type of gen. func.: ogf

$$-\frac{1}{x^2 + 34 x - 1}$$

Sequence: A041545
Score: 26.0876
Type of gen. func.: lgdogf

$$-\frac{2 (x + 17)}{x^2 + 34 x - 1}$$

Sequence: A041545
Score: 6.64791
Type of gen. func.: ogf

$$-(579 f(x) - 1) (f(x) x^2 + 34 f(x) x - f(x) + 1)$$

Sequence: A041545
Score: 6.96448
Type of gen. func.: ogf

$$\{-a(n + 2) + 34 a(n + 1) + a(n), a(0) = 1, a(1) = 34\}$$

Sequence: A041546
Score: 4.39862
Type of gen. func.: ogf

$$-(1927098319254 f(x) + 84970013633)$$

$$(f(x) x^4 - 580 f(x) x^2 + x^3 - 17 x^2 + f(x) - 290 x - 17)$$

Sequence: A041546
Score: 8.23966
Type of gen. func.: ogf

$$-\frac{x^3 - 17 x^2 - 290 x - 17}{x^4 - 580 x^2 + 1}$$

Sequence: A041547
Score: 10.1996
Type of gen. func.: ogf

$$-\frac{x^2 - 17 x - 1}{x^4 - 580 x^2 + 1}$$

Sequence: A041547
Score: 5.51328
Type of gen. func.: ogf

$$-(389548882 f(x) + 1159) (f(x) x^4 - 580 f(x) x^2 + x^2 + f(x) - 17 x - 1)$$

Sequence: A041547
Score: 8.70494
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 51 x^4 - 4 x^3 + 9860 x^2 + 1158 x + 17}{(x^2 - 17 x - 1) (x^4 - 580 x^2 + 1)}$$

Sequence: A041550
Score: 5.21325
Type of gen. func.: ogf

$$- (x^9 - 17 x^8 + 137 x^7 - 154 x^6 + 291 x^5 + 2482 x^4 + 291 x^3 + 154 x^2 + 137 x + 17) / (x^{10} + 4964 x^5 - 1)$$

Sequence: A041551
Score: 6.55297

Type of gen. func.: ogf

$$- \frac{x^8 - 8 x^7 + 9 x^6 - 17 x^5 + 145 x^4 + 17 x^3 + 9 x^2 + 8 x + 1}{x^{10} + 4964 x^5 - 1}$$

Sequence: A041553
Score: 5.48673
Type of gen. func.: ogf

$$- (x^{10} - 6 x^9 + 7 x^8 - 34 x^7 + 41 x^6 - 280 x^5 - 41 x^4 - 34 x^3 - 7 x^2 - 6 x - 1) / ((x^6 - 98 x^3 + 1) (x^6 + 98 x^3 + 1))$$

Sequence: A041557
Score: 5.46234
Type of gen. func.: ogf

$$- (x^{10} - 4 x^9 + 5 x^8 - 39 x^7 + 44 x^6 - 215 x^5 - 44 x^4 - 39 x^3 - 5 x^2 - 4 x - 1) / ((x^6 + 86 x^3 - 1) (x^6 - 86 x^3 - 1))$$

Sequence: A041562
Score: 6.32387
Type of gen. func.: ogf

$$- \frac{x^7 - 17 x^6 + 52 x^5 - 121 x^4 - 415 x^3 - 121 x^2 - 52 x - 17}{x^8 - 830 x^4 + 1}$$

Sequence: A041563
Score: 7.97967
Type of gen. func.: ogf

$$- \frac{(x^2 - 3 x - 1) (x^4 + 8 x^2 + 1)}{x^8 - 830 x^4 + 1}$$

Sequence: A041564

Score: 6.41818

Type of gen. func.: ogf

$$-\frac{x^7 - 17 x^6 + 52 x^5 - 433 x^4 - 1351 x^3 - 433 x^2 - 52 x - 17}{(x^4 - 52 x^2 + 1) (x^4 + 52 x^2 + 1)}$$

Sequence: A041565

Score: 7.38596

Type of gen. func.: ogf

$$-\frac{(x^2 - 3 x - 1) (x^4 + 26 x^2 + 1)}{(x^4 - 52 x^2 + 1) (x^4 + 52 x^2 + 1)}$$

Sequence: A041571

Score: 5.72636

Type of gen. func.: ogf

$$-\frac{(x^6 - 29 x^3 - 1) (x^4 - 2 x^3 + 5 x^2 + 2 x + 1)}{x^{12} - 5048 x^6 + 1}$$

Sequence: A041574

Score: 6.49402

Type of gen. func.: ogf

$$-\frac{(x + 1) (x^6 - 18 x^5 + 53 x^4 - 280 x^3 - 209 x^2 - 18 x - 17)}{x^8 - 978 x^4 + 1}$$

Sequence: A041575

Score: 8.04655

Type of gen. func.: ogf

$$(x^2 - 2 x - 1) (x^4 + 14 x^2 + 1)$$

$$- \frac{}{x^{8} - 978 x^{4} + 1}$$

Sequence: A041576
Score: 5.48412
Type of gen. func.: ogf

$$-(206832132 f(x) + 77173039)$$

$$(f(x) x^{4} - 70 f(x) x^{2} + x^{3} - 17 x^{2} + f(x) - 35 x - 17)$$

Sequence: A041576
Score: 8.24750
Type of gen. func.: lgdogf

$$- \frac{x^{6} - 34 x^{5} - 35 x^{4} - 68 x^{3} + 2447 x^{2} + 2414 x + 35}{(x + 1) (x^{2} - 18 x - 17) (x^{4} - 70 x^{2} + 1)}$$

Sequence: A041576
Score: 9.85552
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^{2} - 18 x - 17)}{x^{4} - 70 x^{2} + 1}$$

Sequence: A041577
Score: 11.0618
Type of gen. func.: lgdogf

$$- \frac{2 (x + 1) (x^{4} - 4 x^{3} + 2 x^{2} + 68 x + 1)}{(x^{2} - 2 x - 1) (x^{4} - 70 x^{2} + 1)}$$

Sequence: A041577
Score: 11.6532
Type of gen. func.: ogf

$$-\frac{x^2 - 2x - 1}{x^4 - 70x^2 + 1}$$

Sequence: A041577
Score: 6.37626
Type of gen. func.: ogf

$$-(675922 f(x) - 4061) (f(x) x^4 - 70 f(x) x^2 + x^2 + f(x) - 2x - 1)$$

Sequence: A041580
Score: 5.03165
Type of gen. func.: ogf

$$-(x^{11} - 17x^{10} + 18x^9 - 35x^8 + 158x^7 - 193x^6 - 351x^5 - 193x^4 - 158x^3 - 35x^2 - 18x - 17) \Big/ ((x^4 - 9x^2 + 1)(x^8 + 9x^6 + 80x^4 + 9x^2 + 1))$$

Sequence: A041581
Score: 5.81385
Type of gen. func.: ogf

$$-\frac{(x^4 - x^3 + 2x^2 + x + 1)(x^6 - 10x^3 - 1)}{(x^4 - 9x^2 + 1)(x^8 + 9x^6 + 80x^4 + 9x^2 + 1)}$$

Sequence: A041588
Score: 6.91577
Type of gen. func.: ogf

$$-\frac{x^7 - 17x^6 + 18x^5 - 35x^4 - 53x^3 - 35x^2 - 18x - 17}{x^8 - 106x^4 + 1}$$

Sequence: A041589
Score: 8.31219

Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + 3x^2 + 1)}{x^8 - 106x^4 + 1}$$

Sequence: A041593
Score: 5.33915
Type of gen. func.: ogf

$$-(x^{12} - x^{11} + 3x^{10} - 4x^9 + 7x^8 - 18x^7 + 25x^6 + 18x^5 + 7x^4 + 4x^3 + 3x^2 + x + 1) \Big/ (x^{14} + 886x^7 - 1)$$

Sequence: A041594
Score: 6.74142
Type of gen. func.: ogf

$$-\frac{x^7 - 17x^6 + 18x^5 - 53x^4 - 71x^3 - 53x^2 - 18x - 17}{(x^4 + 12x^2 + 1)(x^4 - 12x^2 + 1)}$$

Sequence: A041595
Score: 8.56852
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + 4x^2 + 1)}{(x^4 + 12x^2 + 1)(x^4 - 12x^2 + 1)}$$

Sequence: A041600
Score: 7.03942
Type of gen. func.: ogf

$$-\frac{x^7 - 17x^6 + 18x^5 - 89x^4 - 107x^3 - 89x^2 - 18x - 17}{x^8 - 214x^4 + 1}$$

Sequence: A041601
Score: 7.84092
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + 6x^2 + 1)}{x^8 - 214x^4 + 1}$$

Sequence: A041604
Score: 6.73514
Type of gen. func.: ogf

$$-\frac{x^7 - 17x^6 + 18x^5 - 143x^4 - 161x^3 - 143x^2 - 18x - 17}{(x^2 + 4x - 1)(x^2 - 4x - 1)(x^4 + 18x^2 + 1)}$$

Sequence: A041605
Score: 8.41378
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + 9x^2 + 1)}{(x^2 + 4x - 1)(x^2 - 4x - 1)(x^4 + 18x^2 + 1)}$$

Sequence: A041606
Score: 6.96839
Type of gen. func.: ogf

$$-\frac{x^7 - 17x^6 + 18x^5 - 197x^4 - 215x^3 - 197x^2 - 18x - 17}{x^8 - 430x^4 + 1}$$

Sequence: A041607
Score: 7.80750
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + 12x^2 + 1)}{}$$

$$x^8 - 430 x^4 + 1$$

Sequence: A041608
Score: 6.76000
Type of gen. func.: ogf

$$-\frac{x^7 - 17 x^6 + 18 x^5 - 305 x^4 - 323 x^3 - 305 x^2 - 18 x - 17}{x^8 - 646 x^4 + 1}$$

Sequence: A041609
Score: 7.60703
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1) (x^4 + 18 x^2 + 1)}{x^8 - 646 x^4 + 1}$$

Sequence: A041610
Score: 10.5274
Type of gen. func.: ogf

$$-\frac{x^3 - 17 x^2 - 18 x - 17}{x^4 - 36 x^2 + 1}$$

Sequence: A041610
Score: 5.90565
Type of gen. func.: ogf

$$-(29256694 f(x) + 21717841)$$

$$(f(x) x^4 - 36 f(x) x^2 + x^3 - 17 x^2 + f(x) - 18 x - 17)$$

Sequence: A041610
Score: 8.81519
Type of gen. func.: lgdogf

$$-\frac{x^6 - 34 x^5 - 18 x^4 - 68 x^3 + 645 x^2 + 1258 x + 18}{(x^3 - 17 x^2 - 18 x - 17) (x^4 - 36 x^2 + 1)}$$

Sequence: A041611
Score: 11.8511
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 3 x^4 - 4 x^3 + 36 x^2 + 70 x + 1}{(x^2 - x - 1) (x^4 - 36 x^2 + 1)}$$

Sequence: A041611
Score: 12.2717
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{x^4 - 36 x^2 + 1}$$

Sequence: A041611
Score: 7.0471
Type of gen. func.: ogf

$$(90578 f(x) - 1081) (f(x) x^4 - 36 f(x) x^2 + x^2 + f(x) - x - 1)$$

Sequence: A041612
Score: 13.8040
Type of gen. func.: ogf

$$-\frac{x + 18}{x^2 + 36 x - 1}$$

Sequence: A041612
Score: 15.9424
Type of gen. func.: revogf

$$\frac{-9 - 18 x + (325 x^2 + 325 x + 81)^{1/2}}{x + 1}$$

Sequence: A041612
Score: 18.2199
Type of gen. func.: lgdogf

$$-\frac{x^2 + 36 x + 649}{(x + 18) (x^2 + 36 x - 1)}$$

Sequence: A041612
Score: 7.12951
Type of gen. func.: ogf

$$(23400 f(x) + 1) (f(x) x^2 + 36 f(x) x - f(x) + x + 18)$$

Sequence: A041612
Score: 7.54402
Type of gen. func.: ogf

$$\{a(n + 2) - 36 a(n + 1) - a(n), a(0) = 18, a(1) = 649\}$$

Sequence: A041612
Score: 9.13783
Type of gen. func.: lgdogf

$$-\frac{x^2 + 36 x + 649}{x^3 + 54 x^2 + 647 x - 18}$$

Sequence: A041613
Score: 11.9221
Type of gen. func.: lgdogf

$$-\frac{-2 x - 36}{-x^2 - 36 x + 1}$$

Sequence: A041613
Score: 15.0004
Type of gen. func.: revogf

$$\frac{-1 - 36 x + (1300 x^2 + 72 x + 1)^{1/2}}{2 x}$$

Sequence: A041613
Score: 17.5326
Type of gen. func.: ogf

$$- \frac{1}{x^2 + 36 x - 1}$$

Sequence: A041613
Score: 26.5917
Type of gen. func.: lgdogf

$$- \frac{2 (x + 18)}{x^2 + 36 x - 1}$$

Sequence: A041613
Score: 6.77394
Type of gen. func.: ogf

$$-(649 f(x) - 1) (f(x) x^2 + 36 f(x) x - f(x) + 1)$$

Sequence: A041613
Score: 7.09651
Type of gen. func.: ogf

$$\{-a(n + 2) + 36 a(n + 1) + a(n), a(0) = 1, a(1) = 36\}$$

Sequence: A041614

Score: 5.07441
Type of gen. func.: ogf

$$-(3218025294936 f(x) + 134015414653)$$

$$(f(x) x^4 - 650 f(x) x^2 + x^3 - 18 x^2 + f(x) - 325 x - 18)$$

Sequence: A041614
Score: 9.57704
Type of gen. func.: ogf

$$-\frac{x^3 - 18 x^2 - 325 x - 18}{x^4 - 650 x^2 + 1}$$

Sequence: A041615
Score: 10.3412
Type of gen. func.: ogf

$$-\frac{x^2 - 18 x - 1}{x^4 - 650 x^2 + 1}$$

Sequence: A041615
Score: 5.58985
Type of gen. func.: ogf

$$-(548402402 f(x) + 1299) (f(x) x^4 - 650 f(x) x^2 + x^2 + f(x) - 18 x - 1)$$

Sequence: A041615
Score: 9.09164
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 27 x^4 - 2 x^3 + 5850 x^2 + 649 x + 9)}{(x^2 - 18 x - 1) (x^4 - 650 x^2 + 1)}$$

Sequence: A041616

Score: 4.87227
Type of gen. func.: ogf

$$-(640061541288 f(x) + 39972932893)$$

$$(f(x) x^4 - 434 f(x) x^2 + x^3 - 18 x^2 + f(x) - 217 x - 18)$$

Sequence: A041616
Score: 9.05830
Type of gen. func.: ogf

$$-\frac{x^3 - 18 x^2 - 217 x - 18}{x^4 - 434 x^2 + 1}$$

Sequence: A041617
Score: 5.21109
Type of gen. func.: ogf

$$-(163114562 f(x) - 61629) (f(x) x^4 - 434 f(x) x^2 + x^2 + f(x) - 12 x - 1)$$

Sequence: A041617
Score: 8.54192
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 18 x^4 - 2 x^3 + 2604 x^2 + 433 x + 6)}{(x^2 - 12 x - 1) (x^4 - 434 x^2 + 1)}$$

Sequence: A041617
Score: 9.72735
Type of gen. func.: ogf

$$-\frac{x^2 - 12 x - 1}{x^4 - 434 x^2 + 1}$$

Sequence: A041618

Score: 3.5697
Type of gen. func.: ogf

$$-(203918545296 f(x) + 16975677061)$$

$$(f(x) x^4 - 326 f(x) x^2 + x^3 - 18 x^2 + f(x) - 163 x - 18)$$

Sequence: A041618
Score: 6.63663
Type of gen. func.: ogf

$$-\frac{x^3 - 18 x^2 - 163 x - 18}{(x^2 - 18 x - 1) (x^2 + 18 x - 1)}$$

Sequence: A041619
Score: 4.46135
Type of gen. func.: ogf

$$-(69078098 f(x) - 52161) (f(x) x^4 - 326 f(x) x^2 + x^2 + f(x) - 9 x - 1)$$

Sequence: A041619
Score: 6.31129
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 27 x^4 - 4 x^3 + 2934 x^2 + 650 x + 9}{(x^2 - 18 x - 1) (x^2 + 18 x - 1) (x^2 - 9 x - 1)}$$

Sequence: A041619
Score: 8.31776
Type of gen. func.: ogf

$$-\frac{x^2 - 9 x - 1}{(x^2 - 18 x - 1) (x^2 + 18 x - 1)}$$

Sequence: A041622

Score: 5.10856
Type of gen. func.: ogf

$$-(8167320216 f(x) + 1019330201)$$
$$(f(x) x^4 - 218 f(x) x^2 + x^3 - 18 x^2 + f(x) - 109 x - 18)$$

Sequence: A041622
Score: 9.28175
Type of gen. func.: ogf

$$- \frac{x^3 - 18 x^2 - 109 x - 18}{x^4 - 218 x^2 + 1}$$

Sequence: A041623
Score: 10.3976
Type of gen. func.: lgdogf

$$- \frac{2 (x^5 - 9 x^4 - 2 x^3 + 654 x^2 + 217 x + 3)}{(x^2 - 6 x - 1) (x^4 - 218 x^2 + 1)}$$

Sequence: A041623
Score: 11.4783
Type of gen. func.: ogf

$$- \frac{x^2 - 6 x - 1}{x^4 - 218 x^2 + 1}$$

Sequence: A041623
Score: 6.15655
Type of gen. func.: ogf

$$-(20624546 f(x) - 30957) (f(x) x^4 - 218 f(x) x^2 + x^2 + f(x) - 6 x - 1)$$

Sequence: A041628

Score: 5.45181
Type of gen. func.: ogf

$$-(8233169256 f(x) + 1540109341)$$

$$(f(x) x^4 - 146 f(x) x^2 + x^3 - 18 x^2 + f(x) - 73 x - 18)$$

Sequence: A041628
Score: 7.29845
Type of gen. func.: lgdogf

$$-\frac{x^6 - 36 x^5 - 73 x^4 - 72 x^3 + 10655 x^2 + 5292 x + 73}{(x^2 + 12 x - 1) (x^2 - 12 x - 1) (x^3 - 18 x^2 - 73 x - 18)}$$

Sequence: A041628
Score: 9.96903
Type of gen. func.: ogf

$$-\frac{x^3 - 18 x^2 - 73 x - 18}{(x^2 - 12 x - 1) (x^2 + 12 x - 1)}$$

Sequence: A041629
Score: 11.8814
Type of gen. func.: ogf

$$-\frac{x^2 - 4 x - 1}{(x^2 - 12 x - 1) (x^2 + 12 x - 1)}$$

Sequence: A041629
Score: 6.43121
Type of gen. func.: ogf

$$-(6181058 f(x) - 16061) (f(x) x^4 - 146 f(x) x^2 + x^2 + f(x) - 4 x - 1)$$

Sequence: A041629

Score: 9.31105
Type of gen. func.: lgdogf

$$-\frac{2\,(x^5 - 6\,x^4 - 2\,x^3 + 292\,x^2 + 145\,x + 2)}{(x^2 - 12\,x - 1)\,(x^2 + 12\,x - 1)\,(x^2 - 4\,x - 1)}$$

Sequence: A041632
Score: 6.54738
Type of gen. func.: ogf

$$-\frac{x^7 - 18\,x^6 + 55\,x^5 - 183\,x^4 - 604\,x^3 - 183\,x^2 - 55\,x - 18}{x^8 - 1208\,x^4 + 1}$$

Sequence: A041633
Score: 7.42616
Type of gen. func.: ogf

$$-\frac{(x^2 - 3\,x - 1)\,(x^4 + 11\,x^2 + 1)}{x^8 - 1208\,x^4 + 1}$$

Sequence: A041634
Score: 5.19334
Type of gen. func.: ogf

$$-(2658460896\,f(x) + 662534533)$$

$$(f(x)\,x^4 - 110\,f(x)\,x^2 + x^3 - 18\,x^2 + f(x) - 55\,x - 18)$$

Sequence: A041634
Score: 7.80454
Type of gen. func.: lgdogf

$$-\frac{x^6 - 36\,x^5 - 55\,x^4 - 72\,x^3 + 6047\,x^2 + 3996\,x + 55}{(x^3 - 18\,x^2 - 55\,x - 18)\,(x^4 - 110\,x^2 + 1)}$$

Sequence: A041634
Score: 9.42221
Type of gen. func.: ogf

$$-\frac{x^3 - 18 x^2 - 55 x - 18}{x^4 - 110 x^2 + 1}$$

Sequence: A041635
Score: 10.2510
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 9 x^4 - 4 x^3 + 330 x^2 + 218 x + 3}{(x^2 - 3 x - 1) (x^4 - 110 x^2 + 1)}$$

Sequence: A041635
Score: 11.3228
Type of gen. func.: ogf

$$-\frac{x^2 - 3 x - 1}{x^4 - 110 x^2 + 1}$$

Sequence: A041635
Score: 6.24344
Type of gen. func.: ogf

$$-(376766 f(x) - 1383) (f(x) x^4 - 110 f(x) x^2 + x^2 + f(x) - 3 x - 1)$$

Sequence: A041638
Score: 6.07662
Type of gen. func.: ogf

$$-\frac{x^9 - 18 x^8 + 37 x^7 - 55 x^6 + 92 x^5 + 239 x^4 + 92 x^3 + 55 x^2 + 37 x + 18}{x^{10} + 478 x^5 - 1}$$

Sequence: A041639
Score: 6.62192
Type of gen. func.: ogf

$$-\frac{x^8 - 2 x^7 + 3 x^6 - 5 x^5 + 13 x^4 + 5 x^3 + 3 x^2 + 2 x + 1}{x^{10} + 478 x^5 - 1}$$

Sequence: A041646
Score: 4.39337
Type of gen. func.: ogf

$-(546654168 f(x) + 204025213)$

$(f(x) x^4 - 74 f(x) x^2 + x^3 - 18 x^2 + f(x) - 37 x - 18)$

Sequence: A041646
Score: 6.63715
Type of gen. func.: lgdogf

$$-\frac{x^6 - 36 x^5 - 37 x^4 - 72 x^3 + 2735 x^2 + 2700 x + 37}{(x + 1) (x^2 - 19 x - 18) (x^4 - 74 x^2 + 1)}$$

Sequence: A041646
Score: 7.95899
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 - 19 x - 18)}{x^4 - 74 x^2 + 1}$$

Sequence: A041647
Score: 11.2140
Type of gen. func.: lgdogf

```
                      4      3      2
      2 (x + 1) (x  - 4 x  + 2 x  + 72 x + 1)
    - ---------------------------------------
              2              4       2
```

$$(x - 2 x - 1) (x - 74 x + 1)$$

Sequence: A041647
Score: 11.8106
Type of gen. func.: ogf

$$- \frac{x^2 - 2 x - 1}{x^4 - 74 x^2 + 1}$$

Sequence: A041647
Score: 6.46243
Type of gen. func.: ogf

$$-(799202 f(x) - 4589) (f(x) x^4 - 74 f(x) x^2 + x^2 + f(x) - 2 x - 1)$$

Sequence: A041654
Score: 5.85341
Type of gen. func.: ogf

$$- \frac{x^9 - 18 x^8 + 19 x^7 - 37 x^6 + 56 x^5 + 93 x^4 + 56 x^3 + 37 x^2 + 19 x + 18}{x^{10} + 186 x^5 - 1}$$

Sequence: A041655
Score: 7.21181
Type of gen. func.: ogf

$$- \frac{(x^4 + 2 x^3 + 4 x^2 + 3 x + 1) (x^4 - 3 x^3 + 4 x^2 - 2 x + 1)}{x^{10} + 186 x^5 - 1}$$

Sequence: A041662
Score: 4.86543
Type of gen. func.: ogf

$$- (x^{11} - 18 x^{10} + 19 x^9 - 56 x^8 + 131 x^7 - 318 x^6 - 449 x^5 - 318 x^4 - 131 x^3$$

$$- 56 x^{2} - 19 x - 18) \bigg/ ((x^{6} - 30 x^{3} + 1) (x^{6} + 30 x^{3} + 1))$$

Sequence: A041663
Score: 6.05062
Type of gen. func.: ogf

$$- \frac{x^{10} - x^{9} + 3 x^{8} - 7 x^{7} + 17 x^{6} - 24 x^{5} - 17 x^{4} - 7 x^{3} - 3 x^{2} - x - 1}{(x^{6} - 30 x^{3} + 1) (x^{6} + 30 x^{3} + 1)}$$

Sequence: A041677
Score: 5.76246
Type of gen. func.: ogf

$$- \frac{x^{10} - x^{9} + 9 x^{8} - 19 x^{7} + 161 x^{6} - 180 x^{5} - 161 x^{4} - 19 x^{3} - 9 x^{2} - x - 1}{(x^{4} - 19 x^{2} + 1) (x^{8} + 19 x^{6} + 360 x^{4} + 19 x^{2} + 1)}$$

Sequence: A041680
Score: 4.59225
Type of gen. func.: ogf

$$- \frac{x^{7} - 18 x^{6} + 19 x^{5} - 341 x^{4} - 360 x^{3} - 341 x^{2} - 19 x - 18}{x^{8} - 720 x^{4} + 1}$$

Sequence: A041681
Score: 7.60703
Type of gen. func.: ogf

$$- \frac{(x^{2} - x - 1) (x^{4} + 19 x^{2} + 1)}{x^{8} - 720 x^{4} + 1}$$

Sequence: A041682
Score: 10.7067
Type of gen. func.: ogf

$$-\frac{x^3 - 18 x^2 - 19 x - 18}{(x^2 + 6 x - 1) (x^2 - 6 x - 1)}$$

Sequence: A041682
Score: 6.10545
Type of gen. func.: ogf

$$-(7682832 f(x) + 5706497)$$

$$(f(x) x^4 - 38 f(x) x^2 + x^3 - 18 x^2 + f(x) - 19 x - 18)$$

Sequence: A041682
Score: 8.07105
Type of gen. func.: lgdogf

$$-\frac{x^6 - 36 x^5 - 19 x^4 - 72 x^3 + 719 x^2 + 1404 x + 19}{(x^2 + 6 x - 1) (x^2 - 6 x - 1) (x^3 - 18 x^2 - 19 x - 18)}$$

Sequence: A041683
Score: 11.2450
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{(x^2 + 6 x - 1) (x^2 - 6 x - 1)}$$

Sequence: A041683
Score: 6.39422
Type of gen. func.: ogf

$$(106706 f(x) - 1217) (f(x) x^4 - 38 f(x) x^2 + x^2 + f(x) - x - 1)$$

Sequence: A041683
Score: 9.40949
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 3 x^4 - 4 x^3 + 38 x^2 + 74 x + 1}{(x^2 + 6 x - 1) (x^2 - 6 x - 1) (x^2 - x - 1)}$$

Sequence: A041684
Score: 13.4586
Type of gen. func.: revogf

$$\frac{-19 - 38 x + (1448 x^2 + 1448 x + 361)^{1/2}}{2 (x + 1)}$$

Sequence: A041684
Score: 13.9809
Type of gen. func.: ogf

$$-\frac{x + 19}{x^2 + 38 x - 1}$$

Sequence: A041684
Score: 18.4575
Type of gen. func.: lgdogf

$$-\frac{x^2 + 38 x + 723}{(x + 19) (x^2 + 38 x - 1)}$$

Sequence: A041684
Score: 7.22092
Type of gen. func.: ogf

$$(27512 f(x) + 1) (f(x) x^2 + 38 f(x) x - f(x) + x + 19)$$

Sequence: A041684
Score: 7.64074
Type of gen. func.: ogf

{a(n + 2) - 38 a(n + 1) - a(n), a(0) = 19, a(1) = 723}

Sequence: A041684
Score: 9.25499
Type of gen. func.: lgdogf

$$-\frac{x^2 + 38 x + 723}{x^3 + 57 x^2 + 721 x - 19}$$

Sequence: A041685
Score: 12.0330
Type of gen. func.: lgdogf

$$-\frac{-2 x - 38}{-x^2 - 38 x + 1}$$

Sequence: A041685
Score: 15.1426
Type of gen. func.: revogf

$$\frac{-1 - 38 x + (1448 x^2 + 76 x + 1)^{1/2}}{2 x}$$

Sequence: A041685
Score: 17.6956
Type of gen. func.: ogf

$$-\frac{1}{x^2 + 38 x - 1}$$

Sequence: A041685
Score: 26.8437
Type of gen. func.: lgdogf

$$2 (x + 19)$$
$$- \text{-------------}$$

$$x^2 + 38 x - 1$$

Sequence: A041685
Score: 6.83695
Type of gen. func.: ogf

$$-(723 f(x) - 1) (f(x) x^2 + 38 f(x) x - f(x) + 1)$$

Sequence: A041685
Score: 7.16252
Type of gen. func.: ogf

$$\{-a(n + 2) + 38 a(n + 1) + a(n), a(0) = 1, a(1) = 38\}$$

Sequence: A041686
Score: 5.13784
Type of gen. func.: ogf

$$-(5227619786994 f(x) + 206258144201)$$

$$(f(x) x^4 - 724 f(x) x^2 + x^3 - 19 x^2 + f(x) - 362 x - 19)$$

Sequence: A041686
Score: 9.69676
Type of gen. func.: ogf

$$- \frac{x^3 - 19 x^2 - 362 x - 19}{x^4 - 724 x^2 + 1}$$

Sequence: A041687
Score: 10.4829
Type of gen. func.: ogf

$$- \frac{x^2 - 19 x - 1}{x^4 - 724 x^2 + 1}$$

Sequence: A041687
Score: 5.66643
Type of gen. func.: ogf

$$-(757955602 f(x) + 1447) (f(x) x^{4} - 724 f(x) x^{2} + x^{2} + f(x) - 19 x - 1)$$

Sequence: A041687
Score: 8.82343
Type of gen. func.: lgdogf

$$-\frac{2 x^{5} - 57 x^{4} - 4 x^{3} + 13756 x^{2} + 1446 x + 19}{(x^{2} - 19 x - 1) (x^{4} - 724 x^{2} + 1)}$$

Sequence: A041690
Score: 5.39778
Type of gen. func.: ogf

$$- (x^{9} - 19 x^{8} + 172 x^{7} - 191 x^{6} + 363 x^{5} + 3458 x^{4} + 363 x^{3} + 191 x^{2} + 172 x + 19) / (x^{10} + 6916 x^{5} - 1)$$

Sequence: A041691
Score: 6.05286
Type of gen. func.: ogf

$$-\frac{x^{8} - 9 x^{7} + 10 x^{6} - 19 x^{5} + 181 x^{4} + 19 x^{3} + 10 x^{2} + 9 x + 1}{x^{10} + 6916 x^{5} - 1}$$

Sequence: A041696
Score: 6.36332
Type of gen. func.: ogf

$$-\frac{x^{7} - 19 x^{6} + 96 x^{5} - 211 x^{4} - 1151 x^{3} - 211 x^{2} - 96 x - 19}{(x^{4} - 48 x^{2} + 1) (x^{4} + 48 x^{2} + 1)}$$

Sequence: A041697
Score: 7.28835
Type of gen. func.: ogf

$$-\frac{(x^2 - 5 x - 1) (x^4 + 12 x^2 + 1)}{(x^4 - 48 x^2 + 1) (x^4 + 48 x^2 + 1)}$$

Sequence: A041700
Score: 7.74178
Type of gen. func.: ogf

$$-\frac{x^5 - 19 x^4 + 77 x^3 + 327 x^2 + 77 x + 19}{x^6 + 654 x^3 - 1}$$

Sequence: A041701
Score: 9.05345
Type of gen. func.: ogf

$$-\frac{x^4 - 4 x^3 + 17 x^2 + 4 x + 1}{x^6 + 654 x^3 - 1}$$

Sequence: A041702
Score: 4.99774
Type of gen. func.: ogf

$$- (x^{11} - 19 x^{10} + 58 x^9 - 77 x^8 + 366 x^7 - 443 x^6 - 1695 x^5 - 443 x^4 - 366 x^3 - 77 x^2 - 58 x - 19) / (x^{12} - 3390 x^6 + 1)$$

Sequence: A041703
Score: 5.52136
Type of gen. func.: ogf

$$-(x^{10} - 3 x^9 + 4 x^8 - 19 x^7 + 23 x^6 - 88 x^5 - 23 x^4 - 19 x^3 - 4 x^2 - 3 x - 1) / (x^{12} - 3390 x^6 + 1)$$

Sequence: A041706
Score: 5.51808
Type of gen. func.: ogf

$$-(x^9 - 19 x^8 + 58 x^7 - 309 x^6 + 1603 x^5 + 5118 x^4 + 1603 x^3 + 309 x^2 + 58 x + 19) / (x^{10} + 10236 x^5 - 1)$$

Sequence: A041707
Score: 6.32504
Type of gen. func.: ogf

$$-\frac{x^8 - 3 x^7 + 16 x^6 - 83 x^5 + 265 x^4 + 83 x^3 + 16 x^2 + 3 x + 1}{x^{10} + 10236 x^5 - 1}$$

Sequence: A041709
Score: 5.84977
Type of gen. func.: ogf

$$-(x^{10} - 2 x^9 + 3 x^8 - 56 x^7 + 59 x^6 - 174 x^5 - 59 x^4 - 56 x^3 - 3 x^2 - 2 x - 1) / (x^{12} - 6730 x^6 + 1)$$

Sequence: A041714
Score: 6.56402
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^6 - 20 x^5 + 59 x^4 - 156 x^3 - 77 x^2 - 20 x - 19)}{x^8 - 466 x^4 + 1}$$

Sequence: A041715
Score: 8.08218
Type of gen. func.: ogf

$$-\frac{(x^2 - 2x - 1)(x^4 + 6x^2 + 1)}{x^8 - 466x^4 + 1}$$

Sequence: A041720
Score: 4.43961
Type of gen. func.: ogf

$$-(355917880 f(x) + 132871361)$$

$$(f(x) x^4 - 78 f(x) x^2 + x^3 - 19 x^2 + f(x) - 39 x - 19)$$

Sequence: A041720
Score: 6.70851
Type of gen. func.: lgdogf

$$-\frac{x^6 - 38x^5 - 39x^4 - 76x^3 + 3039x^2 + 3002x + 39}{(x + 1)(x^2 - 20x - 19)(x^4 - 78x^2 + 1)}$$

Sequence: A041720
Score: 8.04277
Type of gen. func.: ogf

$$-\frac{(x + 1)(x^2 - 20x - 19)}{x^4 - 78x^2 + 1}$$

Sequence: A041721
Score: 11.3155
Type of gen. func.: lgdogf

$$-\frac{2(x + 1)(x^4 - 4x^3 + 2x^2 + 76x + 1)}{(x^2 - 2x - 1)(x^4 - 78x^2 + 1)}$$

Sequence: A041721
Score: 11.9156
Type of gen. func.: ogf

$$-\frac{x^2 - 2x - 1}{x^4 - 78x^2 + 1}$$

Sequence: A041721
Score: 6.77555
Type of gen. func.: ogf

$$(936626 f(x) - 5149) (f(x) x^4 - 78 f(x) x^2 + x^2 + f(x) - 2 x - 1)$$

Sequence: A041722
Score: 4.74361
Type of gen. func.: ogf

$$-(x^{11} - 19 x^{10} + 20 x^9 - 39 x^8 + 488 x^7 - 527 x^6 - 1015 x^5 - 527 x^4 - 488 x^3 - 39 x^2 - 20 x - 19) / (x^{12} - 2030 x^6 + 1)$$

Sequence: A041723
Score: 5.63563
Type of gen. func.: ogf

$$-\frac{(x^4 - x^3 + 2 x^2 + x + 1) (x^6 - 26 x^3 - 1)}{x^{12} - 2030 x^6 + 1}$$

Sequence: A041735
Score: 5.30875
Type of gen. func.: ogf

$$-\frac{x^{10} - x^9 + 3 x^8 - 58 x^7 + 119 x^6 - 177 x^5 - 119 x^4 - 58 x^3 - 3 x^2 - x - 1}{}$$

$$x^{12} - 6964 x^6 + 1$$

Sequence: A041740
Score: 6.80216
Type of gen. func.: ogf

$$-\frac{x^7 - 19 x^6 + 20 x^5 - 59 x^4 - 79 x^3 - 59 x^2 - 20 x - 19}{x^8 - 158 x^4 + 1}$$

Sequence: A041741
Score: 8.04040
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1) (x^4 + 4 x^2 + 1)}{x^8 - 158 x^4 + 1}$$

Sequence: A041744
Score: 7.04509
Type of gen. func.: ogf

$$-\frac{x^7 - 19 x^6 + 20 x^5 - 79 x^4 - 99 x^3 - 79 x^2 - 20 x - 19}{(x^4 + 14 x^2 - 1) (x^4 - 14 x^2 - 1)}$$

Sequence: A041745
Score: 7.69771
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1) (x^4 + 5 x^2 + 1)}{(x^4 + 14 x^2 - 1) (x^4 - 14 x^2 - 1)}$$

Sequence: A041750
Score: 5.13938
Type of gen. func.: ogf

$$-\frac{x^7 - 19x^6 + 20x^5 - 139x^4 - 159x^3 - 139x^2 - 20x - 19}{x^8 - 318x^4 + 1}$$

Sequence: A041751
Score: 8.37797
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + 8x^2 + 1)}{x^8 - 318x^4 + 1}$$

Sequence: A041752
Score: 4.75469
Type of gen. func.: ogf

$$-\frac{x^7 - 19x^6 + 20x^5 - 179x^4 - 199x^3 - 179x^2 - 20x - 19}{(x^4 + 20x^2 + 1)(x^4 - 20x^2 + 1)}$$

Sequence: A041753
Score: 7.83727
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + 10x^2 + 1)}{(x^4 + 20x^2 + 1)(x^4 - 20x^2 + 1)}$$

Sequence: A041756
Score: 4.70030
Type of gen. func.: ogf

$$-\frac{x^7 - 19x^6 + 20x^5 - 379x^4 - 399x^3 - 379x^2 - 20x - 19}{x^8 - 798x^4 + 1}$$

Sequence: A041757
Score: 7.70846
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + 20 x^2 + 1)}{x^8 - 798 x^4 + 1}$$

Sequence: A041758
Score: 5.49499
Type of gen. func.: ogf

$$-(49732158 f(x) + 36958535)$$

$$(f(x) x^4 - 40 f(x) x^2 + x^3 - 19 x^2 + f(x) - 20 x - 19)$$

Sequence: A041758
Score: 8.19389
Type of gen. func.: lgdogf

$$-\frac{x^6 - 38 x^5 - 20 x^4 - 76 x^3 + 797 x^2 + 1558 x + 20}{(x^3 - 19 x^2 - 20 x - 19)(x^4 - 40 x^2 + 1)}$$

Sequence: A041758
Score: 9.79541
Type of gen. func.: ogf

$$-\frac{x^3 - 19 x^2 - 20 x - 19}{x^4 - 40 x^2 + 1}$$

Sequence: A041759
Score: 11.0020
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 3 x^4 - 4 x^3 + 40 x^2 + 78 x + 1}{(x^2 - x - 1)(x^4 - 40 x^2 + 1)}$$

Sequence: A041759
Score: 11.4049
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{x^4 - 40 x^2 + 1}$$

Sequence: A041759
Score: 6.48513
Type of gen. func.: ogf

$$(124642 f(x) - 1361) (f(x) x^4 - 40 f(x) x^2 + x^2 + f(x) - x - 1)$$

Sequence: A041760
Score: 12.2727
Type of gen. func.: ogf

$$-\frac{x + 20}{x^2 + 40 x - 1}$$

Sequence: A041760
Score: 13.4758
Type of gen. func.: revogf

$$\frac{-10 - 20 x + (401 x^2 + 401 x + 100)^{1/2}}{x + 1}$$

Sequence: A041760
Score: 16.1709
Type of gen. func.: lgdogf

$$-\frac{x^2 + 40 x + 801}{(x + 20) (x^2 + 40 x - 1)}$$

Sequence: A041760
Score: 6.33862
Type of gen. func.: ogf

$$(32080 f(x) + 1) (f(x) x^2 + 40 f(x) x - f(x) + x + 20)$$

Sequence: A041760
Score: 6.70715
Type of gen. func.: ogf

$$\{a(n + 2) - 40 a(n + 1) - a(n), a(0) = 20, a(1) = 801\}$$

Sequence: A041760
Score: 8.12415
Type of gen. func.: lgdogf

$$-\frac{x^2 + 40 x + 801}{x^3 + 60 x^2 + 799 x - 20}$$

Sequence: A041761
Score: 12.2548
Type of gen. func.: lgdogf

$$-\frac{-2 x - 40}{-x^2 - 40 x + 1}$$

Sequence: A041761
Score: 15.4270
Type of gen. func.: revogf

$$\frac{-1 - 40 x + (1604 x^2 + 80 x + 1)^{1/2}}{2 x}$$

Sequence: A041761
Score: 18.0218
Type of gen. func.: ogf

$$-\frac{1}{x^2 + 40 x - 1}$$

Sequence: A041761
Score: 27.3478
Type of gen. func.: lgdogf

$$-\frac{2 (x + 20)}{x^2 + 40 x - 1}$$

Sequence: A041761
Score: 6.96298
Type of gen. func.: ogf

$$-(801 f(x) - 1) (f(x) x^2 + 40 f(x) x - f(x) + 1)$$

Sequence: A041761
Score: 7.29455
Type of gen. func.: ogf

$$\{-a(n + 2) + 40 a(n + 1) + a(n), a(0) = 1, a(1) = 40\}$$

Sequence: A041762
Score: 4.59339
Type of gen. func.: ogf

$$-(8284493200080 f(x) + 310539050801)$$

$$(f(x) x^4 - 802 f(x) x^2 + x^3 - 20 x^2 + f(x) - 401 x - 20)$$

Sequence: A041762
Score: 8.66923
Type of gen. func.: ogf

```
          3       2
         x  - 20 x  - 401 x - 20
       - -----------------------
               4        2
```

$$x - 802 x + 1$$

Sequence: A041763
Score: 10.6245
Type of gen. func.: ogf

$$-\frac{x^{2} - 20 x - 1}{x^{4} - 802 x^{2} + 1}$$

Sequence: A041763
Score: 5.69172
Type of gen. func.: ogf

$$-(1030409602 f(x) + 1603) (f(x) x^{4} - 802 f(x) x^{2} + x^{2} + f(x) - 20 x - 1)$$

Sequence: A041763
Score: 9.20793
Type of gen. func.: lgdogf

$$-\frac{2 (x^{5} - 30 x^{4} - 2 x^{3} + 8020 x^{2} + 801 x + 10)}{(x^{2} - 20 x - 1) (x^{4} - 802 x^{2} + 1)}$$

Sequence: A041766
Score: 4.82934
Type of gen. func.: ogf

$$-(523603400080 f(x) + 39237450001)$$

$$(f(x) x^{4} - 402 f(x) x^{2} + x^{3} - 20 x^{2} + f(x) - 201 x - 20)$$

Sequence: A041766
Score: 8.97848
Type of gen. func.: ogf

$$-\frac{x^{3} - 20 x^{2} - 201 x - 20}{{}^{2} \qquad\qquad {}^{2}}$$

$$(x - 20 x - 1) (x + 20 x - 1)$$

Sequence: A041767
Score: 10.9834
Type of gen. func.: ogf

$$-\frac{x^{2} - 10 x - 1}{(x^{2} - 20 x - 1) (x^{2} + 20 x - 1)}$$

Sequence: A041767
Score: 5.88397
Type of gen. func.: ogf

$$-(129604802 f(x) - 79597) (f(x) x^{4} - 402 f(x) x^{2} + x^{2} + f(x) - 10 x - 1)$$

Sequence: A041767
Score: 8.40835
Type of gen. func.: lgdogf

$$-\frac{2 (x^{5} - 15 x^{4} - 2 x^{3} + 2010 x^{2} + 401 x + 5)}{(x^{2} - 20 x - 1) (x^{2} - 10 x - 1) (x^{2} + 20 x - 1)}$$

Sequence: A041768
Score: 5.29901
Type of gen. func.: ogf

$$-(215666848080 f(x) + 20197629041)$$

$$(f(x) x^{4} - 322 f(x) x^{2} + x^{3} - 20 x^{2} + f(x) - 161 x - 20)$$

Sequence: A041768
Score: 9.85169
Type of gen. func.: ogf

$$-\frac{x^{3} - 20 x^{2} - 161 x - 20}{{}^{2} \qquad\qquad {}^{2}}$$

$$(x + 18 x + 1) (x - 18 x + 1)$$

Sequence: A041769
Score: 10.7287
Type of gen. func.: ogf

$$-\frac{x^2 - 8 x - 1}{(x^2 + 18 x + 1) (x^2 - 18 x + 1)}$$

Sequence: A041769
Score: 5.75447
Type of gen. func.: ogf

$$-(66563842 f(x) - 61181) (f(x) x^4 - 322 f(x) x^2 + x^2 + f(x) - 8 x - 1)$$

Sequence: A041769
Score: 8.17670
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 12 x^4 - 2 x^3 + 1288 x^2 + 321 x + 4)}{(x^2 - 18 x + 1) (x^2 + 18 x + 1) (x^2 - 8 x - 1)}$$

Sequence: A041773
Score: 5.70167
Type of gen. func.: ogf

$$- (x^{10} - 5 x^9 + 6 x^8 - 17 x^7 + 23 x^6 - 132 x^5 - 23 x^4 - 17 x^3 - 6 x^2 - 5 x - 1) \Big/ (x^{12} - 5326 x^6 + 1)$$

Sequence: A041774
Score: 5.0248
Type of gen. func.: ogf

$$-(33460900080 f(x) + 5010709601)$$

$$(f(x) x^4 - 202 f(x) x^2 + x^3 - 20 x^2 + f(x) - 101 x - 20)$$

Sequence: A041774
Score: 9.20034
Type of gen. func.: ogf

$$-\frac{(x + 4) (x^2 - 24 x - 5)}{x^4 - 202 x^2 + 1}$$

Sequence: A041775
Score: 11.2288
Type of gen. func.: ogf

$$-\frac{x^2 - 5 x - 1}{x^4 - 202 x^2 + 1}$$

Sequence: A041775
Score: 6.02272
Type of gen. func.: ogf

$$-(16402402 f(x) - 29897) (f(x) x^4 - 202 f(x) x^2 + x^2 + f(x) - 5 x - 1)$$

Sequence: A041775
Score: 9.85941
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 15 x^4 - 4 x^3 + 1010 x^2 + 402 x + 5}{(x^2 - 5 x - 1) (x^4 - 202 x^2 + 1)}$$

Sequence: A041778
Score: 3.78276
Type of gen. func.: ogf

$$-(13857872080 f(x) + 2592886321)$$

$$(f(x)\,x^4 - 162\,f(x)\,x^2 + x^3 - 20\,x^2 + f(x) - 81\,x - 20)$$

Sequence: A041778
Score: 5.67721
Type of gen. func.: lgdogf

$$-\frac{x^6 - 40\,x^5 - 81\,x^4 - 80\,x^3 + 13119\,x^2 + 6520\,x + 81}{(x^3 - 20\,x^2 - 81\,x - 20)\,(x^4 - 162\,x^2 + 1)}$$

Sequence: A041778
Score: 6.97109
Type of gen. func.: ogf

$$-\frac{x^3 - 20\,x^2 - 81\,x - 20}{x^4 - 162\,x^2 + 1}$$

Sequence: A041779
Score: 10.8295
Type of gen. func.: ogf

$$-\frac{x^2 - 4\,x - 1}{x^4 - 162\,x^2 + 1}$$

Sequence: A041779
Score: 5.86186
Type of gen. func.: ogf

$$-(8449922\,f(x) - 20413)\,(f(x)\,x^4 - 162\,f(x)\,x^2 + x^2 + f(x) - 4\,x - 1)$$

Sequence: A041779
Score: 9.79946
Type of gen. func.: lgdogf

$$2\,(x^5 - 6\,x^4 - 2\,x^3 + 324\,x^2 + 161\,x + 2)$$

$$-\frac{}{(x^2 - 4 x - 1) (x^4 - 162 x^2 + 1)}$$

Sequence: A041798
Score: 4.50898
Type of gen. func.: ogf

$$-(914728080 f(x) + 341564561)$$

$$(f(x) x^4 - 82 f(x) x^2 + x^3 - 20 x^2 + f(x) - 41 x - 20)$$

Sequence: A041798
Score: 6.81556
Type of gen. func.: lgdogf

$$-\frac{x^6 - 40 x^5 - 41 x^4 - 80 x^3 + 3359 x^2 + 3320 x + 41}{(x + 1) (x^2 - 21 x - 20) (x^4 - 82 x^2 + 1)}$$

Sequence: A041798
Score: 8.16843
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 - 21 x - 20)}{x^4 - 82 x^2 + 1}$$

Sequence: A041799
Score: 11.4169
Type of gen. func.: lgdogf

$$-\frac{2 (x + 1) (x^4 - 4 x^3 + 2 x^2 + 80 x + 1)}{(x^2 - 2 x - 1) (x^4 - 82 x^2 + 1)}$$

Sequence: A041799
Score: 12.0206
Type of gen. func.: ogf

$$-\frac{x^2 - 2x - 1}{x^4 - 82x^2 + 1}$$

Sequence: A041799
Score: 6.76889
Type of gen. func.: ogf

$$(1088962 f(x) - 5741) (f(x) x^4 - 82 f(x) x^2 + x^2 + f(x) - 2 x - 1)$$

Sequence: A041808
Score: 4.45672
Type of gen. func.: ogf

$$-(x^{13} - 20 x^{12} + 21 x^{11} - 41 x^{10} + 62 x^9 - 103 x^8 + 165 x^7 + 268 x^6 + 165 x^5 + 103 x^4 + 62 x^3 + 41 x^2 + 21 x + 20) \Big/ (x^{14} + 536 x^7 - 1)$$

Sequence: A041809
Score: 5.41522
Type of gen. func.: ogf

$$-(x^{12} - x^{11} + 2 x^{10} - 3 x^9 + 5 x^8 - 8 x^7 + 13 x^6 + 8 x^5 + 5 x^4 + 3 x^3 + 2 x^2 + x + 1) \Big/ (x^{14} + 536 x^7 - 1)$$

Sequence: A041812
Score: 5.47232
Type of gen. func.: ogf

$$-\frac{x^7 - 20 x^6 + 21 x^5 - 41 x^4 - 62 x^3 - 41 x^2 - 21 x - 20}{x^8 - 124 x^4 + 1}$$

Sequence: A041813

Score: 8.34881
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + 3 x^2 + 1)}{x^8 - 124 x^4 + 1}$$

Sequence: A041826
Score: 5.47313
Type of gen. func.: ogf

$$-\frac{x^7 - 20 x^6 + 21 x^5 - 104 x^4 - 125 x^3 - 104 x^2 - 21 x - 20}{x^8 - 250 x^4 + 1}$$

Sequence: A041827
Score: 7.98413
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + 6 x^2 + 1)}{x^8 - 250 x^4 + 1}$$

Sequence: A041828
Score: 6.70598
Type of gen. func.: ogf

$$-\frac{x^7 - 20 x^6 + 21 x^5 - 125 x^4 - 146 x^3 - 125 x^2 - 21 x - 20}{x^8 - 292 x^4 + 1}$$

Sequence: A041829
Score: 8.19896
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + 7 x^2 + 1)}{x^8 - 292 x^4 + 1}$$

Sequence: A041833
Score: 5.37269
Type of gen. func.: ogf

$$-(x^{10} - x^9 + 10x^8 - 21x^7 + 199x^6 - 220x^5 - 199x^4 - 21x^3 - 10x^2 - x - 1) / ((x^4 - 21x^2 + 1)(x^8 + 21x^6 + 440x^4 + 21x^2 + 1))$$

Sequence: A041834
Score: 5.00205
Type of gen. func.: ogf

$$-\frac{x^7 - 20x^6 + 21x^5 - 272x^4 - 293x^3 - 272x^2 - 21x - 20}{x^8 - 586x^4 + 1}$$

Sequence: A041835
Score: 7.40418
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + 14x^2 + 1)}{x^8 - 586x^4 + 1}$$

Sequence: A041836
Score: 4.78134
Type of gen. func.: ogf

$$-\frac{x^7 - 20x^6 + 21x^5 - 419x^4 - 440x^3 - 419x^2 - 21x - 20}{x^8 - 880x^4 + 1}$$

Sequence: A041837
Score: 7.87751
Type of gen. func.: ogf

$$(x^2 - x - 1)(x^4 + 21x^2 + 1)$$

$$-\frac{}{x^{8} - 880 x^{4} + 1}$$

Sequence: A041838
Score: 4.50044
Type of gen. func.: ogf

$$-(63572080 f(x) + 47266081)$$

$$(f(x) x^{4} - 42 f(x) x^{2} + x^{3} - 20 x^{2} + f(x) - 21 x - 20)$$

Sequence: A041838
Score: 6.68860
Type of gen. func.: lgdogf

$$-\frac{x^{6} - 40 x^{5} - 21 x^{4} - 80 x^{3} + 879 x^{2} + 1720 x + 21}{(x^{3} - 20 x^{2} - 21 x - 20) (x^{4} - 42 x^{2} + 1)}$$

Sequence: A041838
Score: 8.02254
Type of gen. func.: ogf

$$-\frac{x^{3} - 20 x^{2} - 21 x - 20}{x^{4} - 42 x^{2} + 1}$$

Sequence: A041839
Score: 11.0544
Type of gen. func.: lgdogf

$$-\frac{2 x^{5} - 3 x^{4} - 4 x^{3} + 42 x^{2} + 82 x + 1}{(x^{2} - x - 1) (x^{4} - 42 x^{2} + 1)}$$

Sequence: A041839
Score: 11.4582
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{x^4 - 42 x^2 + 1}$$

Sequence: A041839
Score: 6.51543
Type of gen. func.: ogf

$$(144482 f(x) - 1513) (f(x) x^4 - 42 f(x) x^2 + x^2 + f(x) - x - 1)$$

Sequence: A041840
Score: 10.2264
Type of gen. func.: revogf

$$\frac{-21 - 42 x + (1768 x^2 + 1768 x + 441)^{1/2}}{2 (x + 1)}$$

Sequence: A041840
Score: 10.6685
Type of gen. func.: ogf

$$-\frac{x + 21}{x^2 + 42 x - 1}$$

Sequence: A041840
Score: 14.0247
Type of gen. func.: lgdogf

$$-\frac{x^2 + 42 x + 883}{(x + 21) (x^2 + 42 x - 1)}$$

Sequence: A041840
Score: 5.51012
Type of gen. func.: ogf

$$(37128 f(x) + 1) (f(x) x^2 + 42 f(x) x - f(x) + x + 21)$$

Sequence: A041840
Score: 5.83048
Type of gen. func.: ogf

$$\{a(n + 2) - 42 a(n + 1) - a(n), a(0) = 21, a(1) = 883\}$$

Sequence: A041840
Score: 7.06227
Type of gen. func.: lgdogf

$$- \frac{x^2 + 42 x + 883}{x^3 + 63 x^2 + 881 x - 21}$$

Sequence: A041841
Score: 12.3103
Type of gen. func.: lgdogf

$$- \frac{-2 x - 42}{-x^2 - 42 x + 1}$$

Sequence: A041841
Score: 15.4981
Type of gen. func.: revogf

$$\frac{-1 - 42 x + (1768 x^2 + 84 x + 1)^{1/2}}{2 x}$$

Sequence: A041841
Score: 18.1034
Type of gen. func.: ogf

$$- \frac{1}{x^2 + 42 x - 1}$$

Sequence: A041841
Score: 27.4738
Type of gen. func.: lgdogf

$$-\frac{2 (x + 21)}{x^2 + 42 x - 1}$$

Sequence: A041841
Score: 6.99449
Type of gen. func.: ogf

$$-(883 f(x) - 1) (f(x) x^2 + 42 f(x) x - f(x) + 1)$$

Sequence: A041841
Score: 7.32756
Type of gen. func.: ogf

$$\{-a(n + 2) + 42 a(n + 1) + a(n), a(0) = 1, a(1) = 42\}$$

Sequence: A041842
Score: 4.03199
Type of gen. func.: ogf

$$-(12838584329886 f(x) + 458347581721)$$

$$(f(x) x^4 - 884 f(x) x^2 + x^3 - 21 x^2 + f(x) - 442 x - 21)$$

Sequence: A041842
Score: 7.66645
Type of gen. func.: ogf

$$-\frac{x^3 - 21 x^2 - 442 x - 21}{x^4 - 884 x^2 + 1}$$

Sequence: A041843

Score: 5.02532
Type of gen. func.: ogf

$$-(1380047762 f(x) + 1767) (f(x) x^4 - 884 f(x) x^2 + x^2 + f(x) - 21 x - 1)$$

Sequence: A041843
Score: 7.88208
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 63 x^4 - 4 x^3 + 18564 x^2 + 1766 x + 21}{(x^2 - 21 x - 1) (x^4 - 884 x^2 + 1)}$$

Sequence: A041843
Score: 9.38060
Type of gen. func.: ogf

$$-\frac{x^2 - 21 x - 1}{x^4 - 884 x^2 + 1}$$

Sequence: A041844
Score: 3.86864
Type of gen. func.: ogf

$$-(1274464745736 f(x) + 68236149545)$$

$$(f(x) x^4 - 590 f(x) x^2 + x^3 - 21 x^2 + f(x) - 295 x - 21)$$

Sequence: A041844
Score: 7.24690
Type of gen. func.: ogf

$$-\frac{x^3 - 21 x^2 - 295 x - 21}{x^4 - 590 x^2 + 1}$$

Sequence: A041845

Score: 10.2241
Type of gen. func.: lgdogf

$$-\frac{2\,(x^5-21\,x^4-2\,x^3+4130\,x^2+589\,x+7)}{(x^2-14\,x-1)\,(x^4-590\,x^2+1)}$$

Sequence: A041845
Score: 11.6096
Type of gen. func.: ogf

$$-\frac{x^2-14\,x-1}{x^4-590\,x^2+1}$$

Sequence: A041845
Score: 6.16442
Type of gen. func.: ogf

$$-(410059442\,f(x)-114461)\,(f(x)\,x^4-590\,f(x)\,x^2+x^2+f(x)-14\,x-1)$$

Sequence: A041846
Score: 5.04390
Type of gen. func.: ogf

$$-(x^9-21\,x^8+211\,x^7-232\,x^6+443\,x^5+4662\,x^4+443\,x^3+232\,x^2+211\,x+21)\;/\;(x^{10}+9324\,x^5-1)$$

Sequence: A041847
Score: 6.11019
Type of gen. func.: ogf

$$-\frac{x^8-10\,x^7+11\,x^6-21\,x^5+221\,x^4+21\,x^3+11\,x^2+10\,x+1}{x^{10}+9324\,x^5-1}$$

Sequence: A041850
Score: 3.54919
Type of gen. func.: ogf

$$-(161745075282 f(x) + 17310094663) (f(x) x^4 - 296 f(x) x^2 + x^3 - 21 x^2 + f(x) - 148 x - 21)$$

Sequence: A041850
Score: 6.59849
Type of gen. func.: ogf

$$-\frac{x^3 - 21 x^2 - 148 x - 21}{x^4 - 296 x^2 + 1}$$

Sequence: A041851
Score: 10.4840
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 21 x^4 - 4 x^3 + 2072 x^2 + 590 x + 7}{(x^2 - 7 x - 1) (x^4 - 296 x^2 + 1)}$$

Sequence: A041851
Score: 11.9275
Type of gen. func.: ogf

$$-\frac{x^2 - 7 x - 1}{x^4 - 296 x^2 + 1}$$

Sequence: A041851
Score: 6.39746
Type of gen. func.: ogf

$$-(51692258 f(x) - 57425) (f(x) x^4 - 296 f(x) x^2 + x^2 + f(x) - 7 x - 1)$$

Sequence: A041852
Score: 3.52047
Type of gen. func.: ogf

$$-(43873646208 f(x) + 5476911773)$$

$$(f(x) x^4 - 254 f(x) x^2 + x^3 - 21 x^2 + f(x) - 127 x - 21)$$

Sequence: A041852
Score: 6.44592
Type of gen. func.: ogf

$$-\frac{x^3 - 21 x^2 - 127 x - 21}{(x^2 - 16 x + 1) (x^2 + 16 x + 1)}$$

Sequence: A041853
Score: 11.6779
Type of gen. func.: ogf

$$-\frac{x^2 - 6 x - 1}{(x^2 - 16 x + 1) (x^2 + 16 x + 1)}$$

Sequence: A041853
Score: 6.26362
Type of gen. func.: ogf

$$-(32644082 f(x) - 45213) (f(x) x^4 - 254 f(x) x^2 + x^2 + f(x) - 6 x - 1)$$

Sequence: A041853
Score: 9.15164
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 9 x^4 - 2 x^3 + 762 x^2 + 253 x + 3)}{(x^2 - 16 x + 1) (x^2 + 16 x + 1) (x^2 - 6 x - 1)}$$

Sequence: A041866
Score: 4.27231
Type of gen. func.: ogf

$$-(436907730 f(x) + 108934279)$$

$$(f(x) x^4 - 128 f(x) x^2 + x^3 - 21 x^2 + f(x) - 64 x - 21)$$

Sequence: A041866
Score: 6.34912
Type of gen. func.: lgdogf

$$-\frac{x^6 - 42 x^5 - 64 x^4 - 84 x^3 + 8189 x^2 + 5418 x + 64}{(x^3 - 21 x^2 - 64 x - 21) (x^4 - 128 x^2 + 1)}$$

Sequence: A041866
Score: 7.69014
Type of gen. func.: ogf

$$-\frac{x^3 - 21 x^2 - 64 x - 21}{x^4 - 128 x^2 + 1}$$

Sequence: A041867
Score: 10.4851
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 9 x^4 - 4 x^3 + 384 x^2 + 254 x + 3}{(x^2 - 3 x - 1) (x^4 - 128 x^2 + 1)}$$

Sequence: A041867
Score: 11.5767
Type of gen. func.: ogf

$$-\frac{x^2 - 3 x - 1}{x^4 - 128 x^2 + 1}$$

Sequence: A041867
Score: 6.2663
Type of gen. func.: ogf

$$-(4161026 f(x) - 13569) (f(x) x^4 - 128 f(x) x^2 + x^2 + f(x) - 3 x - 1)$$

Sequence: A041868
Score: 4.76479
Type of gen. func.: ogf

$$- (x^{11} - 21 x^{10} + 43 x^9 - 64 x^8 + 299 x^7 - 363 x^6 - 1025 x^5 - 363 x^4 - 299 x^3 - 64 x^2 - 43 x - 21) / (x^{12} - 2050 x^6 + 1)$$

Sequence: A041869
Score: 5.61047
Type of gen. func.: ogf

$$- (x^{10} - 2 x^9 + 3 x^8 - 14 x^7 + 17 x^6 - 48 x^5 - 17 x^4 - 14 x^3 - 3 x^2 - 2 x - 1) / (x^{12} - 2050 x^6 + 1)$$

Sequence: A041872
Score: 5.98813
Type of gen. func.: ogf

$$- \frac{x^5 - 21 x^4 + 43 x^3 + 107 x^2 + 43 x + 21}{x^6 + 214 x^3 - 1}$$

Sequence: A041873
Score: 9.36467
Type of gen. func.: ogf

$$- \frac{x^4 - 2 x^3 + 5 x^2 + 2 x + 1}{}$$

$$x^6 + 214 x^3 - 1$$

Sequence: A041880
Score: 4.55523
Type of gen. func.: ogf

$$-(580723836 f(x) + 216890279)$$

$$(f(x) x^4 - 86 f(x) x^2 + x^3 - 21 x^2 + f(x) - 43 x - 21)$$

Sequence: A041880
Score: 6.88693
Type of gen. func.: lgdogf

$$-\frac{x^6 - 42 x^5 - 43 x^4 - 84 x^3 + 3695 x^2 + 3654 x + 43}{(x + 1) (x^2 - 22 x - 21) (x^4 - 86 x^2 + 1)}$$

Sequence: A041880
Score: 8.25222
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 - 22 x - 21)}{x^4 - 86 x^2 + 1}$$

Sequence: A041881
Score: 11.4677
Type of gen. func.: lgdogf

$$-\frac{2 (x + 1) (x^4 - 4 x^3 + 2 x^2 + 84 x + 1)}{(x^2 - 2 x - 1) (x^4 - 86 x^2 + 1)}$$

Sequence: A041881
Score: 12.0731
Type of gen. func.: ogf

$$-\frac{x^2 - 2x - 1}{x^4 - 86x^2 + 1}$$

Sequence: A041881
Score: 6.79845
Type of gen. func.: ogf

$$(1256978 f(x) - 6365) (f(x) x^4 - 86 f(x) x^2 + x^2 + f(x) - 2x - 1)$$

Sequence: A041896
Score: 4.93283
Type of gen. func.: ogf

$$-(x^{11} - 21x^{10} + 22x^9 - 65x^8 + 542x^7 - 1149x^6 - 1691x^5 - 1149x^4 - 542x^3 - 65x^2 - 22x - 21) \Big/ (x^{12} - 3382x^6 + 1)$$

Sequence: A041897
Score: 5.49649
Type of gen. func.: ogf

$$-\frac{x^{10} - x^9 + 3x^8 - 25x^7 + 53x^6 - 78x^5 - 53x^4 - 25x^3 - 3x^2 - x - 1}{x^{12} - 3382x^6 + 1}$$

Sequence: A041902
Score: 5.33642
Type of gen. func.: ogf

$$-\frac{x^7 - 21x^6 + 22x^5 - 65x^4 - 87x^3 - 65x^2 - 22x - 21}{x^8 - 174x^4 + 1}$$

Sequence: A041903
Score: 8.14905
Type of gen. func.: ogf

$$-\frac{(x^2-x-1)(x^4+4x^2+1)}{x^8-174x^4+1}$$

Sequence: A041916
Score: 4.97456
Type of gen. func.: ogf

$$-\frac{x^7-21x^6+22x^5-219x^4-241x^3-219x^2-22x-21}{(x^4-22x^2+1)(x^4+22x^2+1)}$$

Sequence: A041917
Score: 7.97871
Type of gen. func.: ogf

$$-\frac{(x^2-x-1)(x^4+11x^2+1)}{(x^4-22x^2+1)(x^4+22x^2+1)}$$

Sequence: A041920
Score: 6.49402
Type of gen. func.: ogf

$$-\frac{x^7-21x^6+22x^5-461x^4-483x^3-461x^2-22x-21}{x^8-966x^4+1}$$

Sequence: A041921
Score: 7.87751
Type of gen. func.: ogf

$$-\frac{(x^2-x-1)(x^4+22x^2+1)}{x^8-966x^4+1}$$

Sequence: A041922
Score: 4.52438
Type of gen. func.: ogf

$$-(80333526 f(x) + 59753821)$$

$$(f(x) x^4 - 44 f(x) x^2 + x^3 - 21 x^2 + f(x) - 22 x - 21)$$

Sequence: A041922
Score: 6.72496
Type of gen. func.: lgdogf

$$-\frac{x^6 - 42 x^5 - 22 x^4 - 84 x^3 + 965 x^2 + 1890 x + 22}{(x^3 - 21 x^2 - 22 x - 21) (x^4 - 44 x^2 + 1)}$$

Sequence: A041922
Score: 8.06520
Type of gen. func.: ogf

$$-\frac{x^3 - 21 x^2 - 22 x - 21}{x^4 - 44 x^2 + 1}$$

Sequence: A041923
Score: 11.5648
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{x^4 - 44 x^2 + 1}$$

Sequence: A041923
Score: 6.57604
Type of gen. func.: ogf

$$(166322 f(x) - 1673) (f(x) x^4 - 44 f(x) x^2 + x^2 + f(x) - x - 1)$$

Sequence: A041924
Score: 12.5607
Type of gen. func.: ogf

$$-\frac{x + 22}{x^2 + 44 x - 1}$$

Sequence: A041924
Score: 13.7982
Type of gen. func.: revogf

$$\frac{-11 - 22 x + (485 x^2 + 485 x + 121)^{1/2}}{x + 1}$$

Sequence: A041924
Score: 16.5578
Type of gen. func.: lgdogf

$$-\frac{x^2 + 44 x + 969}{(x + 22) (x^2 + 44 x - 1)}$$

Sequence: A041924
Score: 6.48742
Type of gen. func.: ogf

$$(42680 f(x) + 1) (f(x) x^2 + 44 f(x) x - f(x) + x + 22)$$

Sequence: A041924
Score: 6.86459
Type of gen. func.: ogf

$$\{a(n + 2) - 44 a(n + 1) - a(n), a(0) = 22, a(1) = 969\}$$

Sequence: A041924
Score: 8.31486
Type of gen. func.: lgdogf

$$-\frac{x^2 + 44 x + 969}{x^3 + 66 x^2 + 967 x - 22}$$

Sequence: A041925
Score: 12.4767
Type of gen. func.: lgdogf

$$-\frac{-2 x - 44}{-x^2 - 44 x + 1}$$

Sequence: A041925
Score: 15.7113
Type of gen. func.: revogf

$$\frac{-1 - 44 x + (1940 x^2 + 88 x + 1)^{1/2}}{2 x}$$

Sequence: A041925
Score: 18.3480
Type of gen. func.: ogf

$$-\frac{1}{x^2 + 44 x - 1}$$

Sequence: A041925
Score: 27.8519
Type of gen. func.: lgdogf

$$-\frac{2 (x + 22)}{x^2 + 44 x - 1}$$

Sequence: A041925
Score: 7.08901
Type of gen. func.: ogf

$$-(969 f(x) - 1) (f(x) x^2 + 44 f(x) x - f(x) + 1)$$

Sequence: A041925
Score: 7.42658
Type of gen. func.: ogf

$$\{-a(n + 2) + 44 a(n + 1) + a(n), a(0) = 1, a(1) = 44\}$$

Sequence: A041926
Score: 4.05205
Type of gen. func.: ogf

$$-(19496437762824 f(x) + 664422414173)$$

$$(f(x) x^4 - 970 f(x) x^2 + x^3 - 22 x^2 + f(x) - 485 x - 22)$$

Sequence: A041926
Score: 7.70459
Type of gen. func.: ogf

$$- \frac{x^3 - 22 x^2 - 485 x - 22}{x^4 - 970 x^2 + 1}$$

Sequence: A041927
Score: 5.05007
Type of gen. func.: ogf

$$-(1823460322 f(x) + 1939) (f(x) x^4 - 970 f(x) x^2 + x^2 + f(x) - 22 x - 1)$$

Sequence: A041927
Score: 8.03649
Type of gen. func.: lgdogf

$$- \frac{2 (x^5 - 33 x^4 - 2 x^3 + 10670 x^2 + 969 x + 11)}{(x^2 - 22 x - 1) (x^4 - 970 x^2 + 1)}$$

Sequence: A041927
Score: 9.42680
Type of gen. func.: ogf

$$-\frac{x^2 - 22 x - 1}{x^4 - 970 x^2 + 1}$$

Sequence: A041930
Score: 3.7872
Type of gen. func.: ogf

$$-(1229852699504 f(x) + 83795725861)$$

$$(f(x) x^4 - 486 f(x) x^2 + x^3 - 22 x^2 + f(x) - 243 x - 22)$$

Sequence: A041930
Score: 7.09432
Type of gen. func.: ogf

$$-\frac{x^3 - 22 x^2 - 243 x - 22}{(x^2 - 22 x - 1) (x^2 + 22 x - 1)}$$

Sequence: A041931
Score: 5.26526
Type of gen. func.: ogf

$$-(229108178 f(x) - 116641) (f(x) x^4 - 486 f(x) x^2 + x^2 + f(x) - 11 x - 1)$$

Sequence: A041931
Score: 7.48258
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 33 x^4 - 4 x^3 + 5346 x^2 + 970 x + 11}{(x^2 + 22 x - 1) (x^2 - 11 x - 1) (x^2 - 22 x - 1)}$$

Sequence: A041931
Score: 9.91623
Type of gen. func.: ogf

$$-\frac{x^2 - 11 x - 1}{(x^2 - 22 x - 1) (x^2 + 22 x - 1)}$$

Sequence: A041944
Score: 3.90782
Type of gen. func.: ogf

$$-(4441308696 f(x) + 831154201)$$

$$(f(x) x^4 - 178 f(x) x^2 + x^3 - 22 x^2 + f(x) - 89 x - 22)$$

Sequence: A041944
Score: 5.77623
Type of gen. func.: lgdogf

$$-\frac{x^6 - 44 x^5 - 89 x^4 - 88 x^3 + 15839 x^2 + 7876 x + 89}{(x^3 - 22 x^2 - 89 x - 22) (x^4 - 178 x^2 + 1)}$$

Sequence: A041944
Score: 7.08991
Type of gen. func.: ogf

$$-\frac{x^3 - 22 x^2 - 89 x - 22}{x^4 - 178 x^2 + 1}$$

Sequence: A041945
Score: 11.1404
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 6 x^4 - 2 x^3 + 356 x^2 + 177 x + 2)}{}$$

$$(x^2 - 4 x - 1) (x^4 - 178 x^2 + 1)$$

Sequence: A041945
Score: 12.2876
Type of gen. func.: ogf

$$- \frac{x^2 - 4 x - 1}{x^4 - 178 x^2 + 1}$$

Sequence: A041945
Score: 6.59061
Type of gen. func.: ogf

$$-(11215426 f(x) - 25277) (f(x) x^4 - 178 f(x) x^2 + x^2 + f(x) - 4 x - 1)$$

Sequence: A041953
Score: 5.48673
Type of gen. func.: ogf

$$- (x^{10} - 2 x^9 + 3 x^8 - 65 x^7 + 68 x^6 - 201 x^5 - 68 x^4 - 65 x^3 - 3 x^2 - 2 x - 1) \Big/ (x^{12} - 8980 x^6 + 1)$$

Sequence: A041962
Score: 4.78134
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^6 - 23 x^5 + 68 x^4 - 270 x^3 - 179 x^2 - 23 x - 22)}{(x^4 - 30 x^2 + 1) (x^4 + 30 x^2 + 1)}$$

Sequence: A041963
Score: 8.01422
Type of gen. func.: ogf

2 4 2

$$-\frac{(x - 2x - 1)(x + 10x + 1)}{(x^4 - 30x^2 + 1)(x^4 + 30x^2 + 1)}$$

Sequence: A041964
Score: 5.00555
Type of gen. func.: ogf

$$-\frac{(x + 1)(x^6 - 23x^5 + 68x^4 - 450x^3 - 359x^2 - 23x - 22)}{x^8 - 1618x^4 + 1}$$

Sequence: A041965
Score: 7.65720
Type of gen. func.: ogf

$$-\frac{(x^2 - 2x - 1)(x^4 + 18x^2 + 1)}{x^8 - 1618x^4 + 1}$$

Sequence: A041966
Score: 4.58789
Type of gen. func.: ogf

$$-(1458739304 f(x) + 544915933)$$

$$(f(x) x^4 - 90 f(x) x^2 + x^3 - 22x^2 + f(x) - 45x - 22)$$

Sequence: A041966
Score: 6.99398
Type of gen. func.: lgdogf

$$-\frac{x^6 - 44x^5 - 45x^4 - 88x^3 + 4047x^2 + 4004x + 45}{(x + 1)(x^2 - 23x - 22)(x^4 - 90x^2 + 1)}$$

Sequence: A041966
Score: 8.37788
Type of gen. func.: ogf

$$-\frac{(x+1)\,(x^2-23\,x-22)}{x^4-90\,x^2+1}$$

Sequence: A041967
Score: 11.5692
Type of gen. func.: lgdogf

$$-\frac{2\,(x+1)\,(x^4-4\,x^3+2\,x^2+88\,x+1)}{(x^2-2\,x-1)\,(x^4-90\,x^2+1)}$$

Sequence: A041967
Score: 12.1781
Type of gen. func.: ogf

$$-\frac{x^2-2\,x-1}{x^4-90\,x^2+1}$$

Sequence: A041967
Score: 6.85757
Type of gen. func.: ogf

$$(1441442\,f(x)-7021)\,(f(x)\,x^4-90\,f(x)\,x^2+x^2+f(x)-2\,x-1)$$

Sequence: A041969
Score: 5.76143
Type of gen. func.: ogf

$$-(x^4-x^3+2\,x^2+x+1)\,(x^6-30\,x^3-1)\;\Big/\;\big((x^2-4\,x+1)\,(x^2+4\,x+1)\,(x^4-4\,x^3+15\,x^2-4\,x+1)\,(x^4+4\,x^3+15\,x^2+4\,x+1)\big)$$

Sequence: A041974

Score: 4.92179
Type of gen. func.: ogf

$$-\left(x^{11} - 22 x^{10} + 23 x^{9} - 45 x^{8} + 113 x^{7} - 158 x^{6} - 271 x^{5} - 158 x^{4} - 113 x^{3} - 45 x^{2} - 23 x - 22\right) \Big/ \left(x^{12} - 542 x^{6} + 1\right)$$

Sequence: A041975
Score: 6.15456
Type of gen. func.: ogf

$$-\frac{(x^{6} - 6 x^{3} - 1)(x^{4} - x^{3} + 2 x^{2} + x + 1)}{x^{12} - 542 x^{6} + 1}$$

Sequence: A041983
Score: 5.42886
Type of gen. func.: ogf

$$-\frac{x^{10} - x^{9} + 3 x^{8} - 67 x^{7} + 137 x^{6} - 204 x^{5} - 137 x^{4} - 67 x^{3} - 3 x^{2} - x - 1}{x^{12} - 9250 x^{6} + 1}$$

Sequence: A041991
Score: 5.65231
Type of gen. func.: ogf

$$-\frac{x^{10} - x^{9} + 4 x^{8} - 25 x^{7} + 79 x^{6} - 104 x^{5} - 79 x^{4} - 25 x^{3} - 4 x^{2} - x - 1}{x^{12} - 4734 x^{6} + 1}$$

Sequence: A042008
Score: 4.73787
Type of gen. func.: ogf

$$-\frac{x^{7} - 22 x^{6} + 23 x^{5} - 505 x^{4} - 528 x^{3} - 505 x^{2} - 23 x - 22}{x^{8} - 1056 x^{4} + 1}$$

Sequence: A042009
Score: 7.42616
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + 23 x^2 + 1)}{x^8 - 1056 x^4 + 1}$$

Sequence: A042010
Score: 4.07915
Type of gen. func.: ogf

$$-(100456224 f(x) + 74750501)$$

$$(f(x) x^4 - 46 f(x) x^2 + x^3 - 22 x^2 + f(x) - 23 x - 22)$$

Sequence: A042010
Score: 6.02748
Type of gen. func.: lgdogf

$$-\frac{x^6 - 44 x^5 - 23 x^4 - 88 x^3 + 1055 x^2 + 2068 x + 23}{(x^3 - 22 x^2 - 23 x - 22)(x^4 - 46 x^2 + 1)}$$

Sequence: A042010
Score: 7.33065
Type of gen. func.: ogf

$$-\frac{x^3 - 22 x^2 - 23 x - 22}{x^4 - 46 x^2 + 1}$$

Sequence: A042011
Score: 12.8123
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{}$$

$$x^4 - 46 x^2 + 1$$

Sequence: A042011
Score: 6.35138
Type of gen. func.: lgdogf

$$-\frac{-2 x^5 + 3 x^4 + 4 x^3 - 46 x^2 - 90 x - 1}{-x^6 + x^5 + 47 x^4 - 46 x^3 - 47 x^2 + x + 1}$$

Sequence: A042011
Score: 7.28541
Type of gen. func.: ogf

$$(190258 f(x) - 1841) (f(x) x^4 - 46 f(x) x^2 + x^2 + f(x) - x - 1)$$

Sequence: A042012
Score: 12.2426
Type of gen. func.: revogf

$$\frac{-23 - 46 x + (2120 x^2 + 2120 x + 529)^{1/2}}{2 (x + 1)}$$

Sequence: A042012
Score: 12.7336
Type of gen. func.: ogf

$$-\frac{x + 23}{x^2 + 46 x - 1}$$

Sequence: A042012
Score: 16.3235
Type of gen. func.: lgdogf

$$-\frac{x^2 + 46 x + 1059}{2}$$

$$(x + 23) (x + 46 x - 1)$$

Sequence: A042012
Score: 6.57669
Type of gen. func.: ogf

$$(48760 f(x) + 1) (f(x) x^2 + 46 f(x) x - f(x) + x + 23)$$

Sequence: A042012
Score: 6.87907
Type of gen. func.: ogf

$$\{a(n + 2) - 46 a(n + 1) - a(n), a(0) = 23, a(1) = 1059\}$$

Sequence: A042012
Score: 8.19834
Type of gen. func.: lgdogf

$$- \frac{x^2 + 46 x + 1059}{x^3 + 69 x^2 + 1057 x - 23}$$

Sequence: A042013
Score: 12.4767
Type of gen. func.: lgdogf

$$- \frac{-2 x - 46}{-x^2 - 46 x + 1}$$

Sequence: A042013
Score: 15.7113
Type of gen. func.: revogf

$$\frac{-1 - 46 x + (2120 x^2 + 92 x + 1)^{1/2}}{2 x}$$

Sequence: A042013
Score: 18.3480
Type of gen. func.: ogf

$$-\frac{1}{x^2 + 46 x - 1}$$

Sequence: A042013
Score: 27.8519
Type of gen. func.: lgdogf

$$-\frac{2 (x + 23)}{x^2 + 46 x - 1}$$

Sequence: A042013
Score: 7.00935
Type of gen. func.: ogf

$$-(1059 f(x) - 1) (f(x) x^2 + 46 f(x) x - f(x) + 1)$$

Sequence: A042013
Score: 7.42658
Type of gen. func.: ogf

$$\{-a(n + 2) + 46 a(n + 1) + a(n), a(0) = 1, a(1) = 46\}$$

Sequence: A042014
Score: 4.02225
Type of gen. func.: ogf

$$-(29064260003706 f(x) + 947449012913) (f(x) x^4 - 1060 f(x) x^2 + x^3 - 23 x^2 + f(x) - 530 x - 23)$$

Sequence: A042014
Score: 7.59758
Type of gen. func.: ogf

$$-\frac{x^3 - 23 x^2 - 530 x - 23}{x^4 - 1060 x^2 + 1}$$

Sequence: A042015
Score: 11.0077
Type of gen. func.: ogf

$$-\frac{x^2 - 23 x - 1}{x^4 - 1060 x^2 + 1}$$

Sequence: A042015
Score: 5.94223
Type of gen. func.: ogf

$$-(2379780562 f(x) + 2119) (f(x) x^4 - 1060 f(x) x^2 + x^2 + f(x) - 23 x - 1)$$

Sequence: A042015
Score: 9.29772
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 69 x^4 - 4 x^3 + 24380 x^2 + 2118 x + 23}{(x^2 - 23 x - 1) (x^4 - 1060 x^2 + 1)}$$

Sequence: A042018
Score: 5.02910
Type of gen. func.: ogf

$$- (x^9 - 23 x^8 + 254 x^7 - 277 x^6 + 531 x^5 + 6118 x^4 + 531 x^3 + 277 x^2 + 254 x + 23) \Big/ (x^{10} + 12236 x^5 - 1)$$

Sequence: A042019
Score: 6.35069
Type of gen. func.: ogf

$$-\frac{x^{8}-11x^{7}+12x^{6}-23x^{5}+265x^{4}+23x^{3}+12x^{2}+11x+1}{x^{10}+12236x^{5}-1}$$

Sequence: A042040
Score: 4.92144
Type of gen. func.: ogf

$$-\frac{x^{7}-23x^{6}+70x^{5}-793x^{4}-2449x^{3}-793x^{2}-70x-23}{(x^{4}+70x^{2}+1)(x^{4}-70x^{2}+1)}$$

Sequence: A042041
Score: 7.04045
Type of gen. func.: ogf

$$-\frac{(x^{2}-3x-1)(x^{4}+35x^{2}+1)}{(x^{4}+70x^{2}+1)(x^{4}-70x^{2}+1)}$$

Sequence: A042043
Score: 5.59597
Type of gen. func.: ogf

$$-(x^{10}-2x^{9}+3x^{8}-26x^{7}+29x^{6}-84x^{5}-29x^{4}-26x^{3}-3x^{2}-2x-1)\Big/(x^{12}-3922x^{6}+1)$$

Sequence: A042045
Score: 5.88947
Type of gen. func.: ogf

$$-\frac{(x^{2}-2x-1)(x^{8}+4x^{6}+15x^{4}+4x^{2}+1)}{x^{12}-1402x^{6}+1}$$

Sequence: A042056
Score: 4.64772
Type of gen. func.: ogf

$$-(907003344 f(x) + 338871409)$$

$$(f(x) x^4 - 94 f(x) x^2 + x^3 - 23 x^2 + f(x) - 47 x - 23)$$

Sequence: A042056
Score: 7.02967
Type of gen. func.: lgdogf

$$- \frac{x^6 - 46 x^5 - 47 x^4 - 92 x^3 + 4415 x^2 + 4370 x + 47}{(x + 1) (x^2 - 24 x - 23) (x^4 - 94 x^2 + 1)}$$

Sequence: A042056
Score: 8.41977
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^2 - 24 x - 23)}{x^4 - 94 x^2 + 1}$$

Sequence: A042057
Score: 10.4851
Type of gen. func.: lgdogf

$$- \frac{2 (x + 1) (x^4 - 4 x^3 + 2 x^2 + 92 x + 1)}{(x^2 - 2 x - 1) (x^4 - 94 x^2 + 1)}$$

Sequence: A042057
Score: 11.0532
Type of gen. func.: ogf

$$- \frac{x^2 - 2 x - 1}{x^4 - 94 x^2 + 1}$$

Sequence: A042057
Score: 6.10559
Type of gen. func.: ogf

$$-(126394 f(x) - 593) (f(x) x^{4} - 94 f(x) x^{2} + x^{2} + f(x) - 2 x - 1)$$

Sequence: A042066
Score: 6.04237
Type of gen. func.: ogf

$$-\frac{x^{9} - 23 x^{8} + 24 x^{7} - 47 x^{6} + 71 x^{5} + 118 x^{4} + 71 x^{3} + 47 x^{2} + 24 x + 23}{x^{10} + 236 x^{5} - 1}$$

Sequence: A042067
Score: 6.92168
Type of gen. func.: ogf

$$-\frac{(x^{4} + 2 x^{3} + 4 x^{2} + 3 x + 1) (x^{4} - 3 x^{3} + 4 x^{2} - 2 x + 1)}{x^{10} + 236 x^{5} - 1}$$

Sequence: A042072
Score: 6.71106
Type of gen. func.: ogf

$$-\frac{x^{7} - 23 x^{6} + 24 x^{5} - 47 x^{4} - 71 x^{3} - 47 x^{2} - 24 x - 23}{(x^{4} + 12 x^{2} + 1) (x^{4} - 12 x^{2} + 1)}$$

Sequence: A042073
Score: 8.49527
Type of gen. func.: ogf

$$-\frac{(x^{2} - x - 1) (x^{4} + 3 x^{2} + 1)}{{}^{4} \qquad {}^{2} \qquad {}^{4} \qquad {}^{2}}$$

$$(x + 12 x + 1) (x - 12 x + 1)$$

Sequence: A042080
Score: 5.36558
Type of gen. func.: ogf

$$-\frac{x^7 - 23 x^6 + 24 x^5 - 71 x^4 - 95 x^3 - 71 x^2 - 24 x - 23}{x^8 - 190 x^4 + 1}$$

Sequence: A042081
Score: 7.62610
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1) (x^4 + 4 x^2 + 1)}{x^8 - 190 x^4 + 1}$$

Sequence: A042087
Score: 5.57110
Type of gen. func.: ogf

$$-\frac{x^{10} - x^9 + 5 x^8 - 16 x^7 + 69 x^6 - 85 x^5 - 69 x^4 - 16 x^3 - 5 x^2 - x - 1}{(x^4 - 16 x^2 + 1) (x^8 + 16 x^6 + 255 x^4 + 16 x^2 + 1)}$$

Sequence: A042088
Score: 5.05558
Type of gen. func.: ogf

$$-\frac{x^7 - 23 x^6 + 24 x^5 - 119 x^4 - 143 x^3 - 119 x^2 - 24 x - 23}{x^8 - 286 x^4 + 1}$$

Sequence: A042089
Score: 8.16315
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + 6x^2 + 1)}{x^8 - 286x^4 + 1}$$

Sequence: A042092
Score: 4.72721
Type of gen. func.: ogf

$$-\frac{x^7 - 23x^6 + 24x^5 - 167x^4 - 191x^3 - 167x^2 - 24x - 23}{x^8 - 382x^4 + 1}$$

Sequence: A042093
Score: 7.85265
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + 8x^2 + 1)}{x^8 - 382x^4 + 1}$$

Sequence: A042096
Score: 4.97456
Type of gen. func.: ogf

$$-\frac{x^7 - 23x^6 + 24x^5 - 263x^4 - 287x^3 - 263x^2 - 24x - 23}{(x^4 + 24x^2 + 1)(x^4 - 24x^2 + 1)}$$

Sequence: A042097
Score: 8.11569
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + 12x^2 + 1)}{(x^4 + 24x^2 + 1)(x^4 - 24x^2 + 1)}$$

Sequence: A042098

Score: 4.72731
Type of gen. func.: ogf

$$-\frac{x^7 - 23 x^6 + 24 x^5 - 359 x^4 - 383 x^3 - 359 x^2 - 24 x - 23}{x^8 - 766 x^4 + 1}$$

Sequence: A042099
Score: 7.60703
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1) (x^4 + 16 x^2 + 1)}{x^8 - 766 x^4 + 1}$$

Sequence: A042100
Score: 4.73787
Type of gen. func.: ogf

$$-\frac{x^7 - 23 x^6 + 24 x^5 - 551 x^4 - 575 x^3 - 551 x^2 - 24 x - 23}{x^8 - 1150 x^4 + 1}$$

Sequence: A042101
Score: 7.42616
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1) (x^4 + 24 x^2 + 1)}{x^8 - 1150 x^4 + 1}$$

Sequence: A042102
Score: 4.15932
Type of gen. func.: ogf

-(24884390 f(x) + 18523271)

$$(f(x) x^4 - 48 f(x) x^2 + x^3 - 23 x^2 + f(x) - 24 x - 23)$$

Sequence: A042102
Score: 6.09798
Type of gen. func.: lgdogf

$$-\frac{x^6 - 46 x^5 - 24 x^4 - 92 x^3 + 1149 x^2 + 2254 x + 24}{(x^3 - 23 x^2 - 24 x - 23) (x^4 - 48 x^2 + 1)}$$

Sequence: A042102
Score: 7.41442
Type of gen. func.: ogf

$$-\frac{x^3 - 23 x^2 - 24 x - 23}{x^4 - 48 x^2 + 1}$$

Sequence: A042103
Score: 11.4735
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 3 x^4 - 4 x^3 + 48 x^2 + 94 x + 1}{(x^2 - x - 1) (x^4 - 48 x^2 + 1)}$$

Sequence: A042103
Score: 11.8845
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{x^4 - 48 x^2 + 1}$$

Sequence: A042103
Score: 6.75787
Type of gen. func.: ogf

$$(216386 f(x) - 2017) (f(x) x^4 - 48 f(x) x^2 + x^2 + f(x) - x - 1)$$

Sequence: A042104
Score: 11.0616
Type of gen. func.: ogf

$$-\frac{x + 24}{x^2 + 48 x - 1}$$

Sequence: A042104
Score: 12.1271
Type of gen. func.: revogf

$$\frac{-12 - 24 x + (577 x^2 + 577 x + 144)^{1/2}}{x + 1}$$

Sequence: A042104
Score: 14.1483
Type of gen. func.: lgdogf

$$-\frac{x^2 + 48 x + 1153}{(x + 24) (x^2 + 48 x - 1)}$$

Sequence: A042104
Score: 5.71312
Type of gen. func.: ogf

$$(55392 f(x) + 1) (f(x) x^2 + 48 f(x) x - f(x) + x + 24)$$

Sequence: A042104
Score: 5.97580
Type of gen. func.: ogf

$$\{a(n + 2) - 48 a(n + 1) - a(n), a(0) = 24, a(1) = 1153\}$$

Sequence: A042104
Score: 7.12185

Type of gen. func.: lgdogf

$$-\frac{x^2 + 48 x + 1153}{x^3 + 72 x^2 + 1151 x - 24}$$

Sequence: A042105
Score: 12.7539
Type of gen. func.: lgdogf

$$-\frac{-2 x - 48}{-x^2 - 48 x + 1}$$

Sequence: A042105
Score: 16.0668
Type of gen. func.: revogf

$$\frac{-1 - 48 x + (2308 x^2 + 96 x + 1)^{1/2}}{2 x}$$

Sequence: A042105
Score: 18.7558
Type of gen. func.: ogf

$$-\frac{1}{x^2 + 48 x - 1}$$

Sequence: A042105
Score: 28.4821
Type of gen. func.: lgdogf

$$-\frac{2 (x + 24)}{x^2 + 48 x - 1}$$

Sequence: A042105
Score: 7.16512

Type of gen. func.: ogf

```
                                       2
               -(1153 f(x) - 1) (f(x) x  + 48 f(x) x - f(x) + 1)
```

Sequence: A042105
Score: 7.59162
Type of gen. func.: ogf

```
             {-a(n + 2) + 48 a(n + 1) + a(n), a(0) = 1, a(1) = 48}
```

Sequence: A042106
Score: 4.05219
Type of gen. func.: ogf

```
-(42599975390304 f(x) + 1330864032961)

           4              2    3       2
    (f(x) x  - 1154 f(x) x  + x  - 24 x  + f(x) - 577 x - 24)
```

Sequence: A042106
Score: 7.71042
Type of gen. func.: ogf

```
                              3       2
                             x  - 24 x  - 577 x - 24
                       - -------------------------------
                           2               2
                         (x  - 34 x + 1) (x  + 34 x + 1)
```

Sequence: A042107
Score: 11.0077
Type of gen. func.: ogf

```
                                   2
                                  x  - 24 x - 1
                       - -------------------------------
                           2               2
                         (x  - 34 x + 1) (x  + 34 x + 1)
```

Sequence: A042107
Score: 5.94223
Type of gen. func.: ogf

```
                                    4              2    2
```

$$-(3070932482 f(x) + 2307) (f(x) x - 1154 f(x) x + x + f(x) - 24 x - 1)$$

Sequence: A042107
Score: 8.25172
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 36 x^4 - 2 x^3 + 13848 x^2 + 1153 x + 12)}{(x^2 - 34 x + 1) (x^2 + 34 x + 1) (x^2 - 24 x - 1)}$$

Sequence: A042108
Score: 3.98124
Type of gen. func.: ogf

$$-(8447629658208 f(x) + 395810625985)$$

$$(f(x) x^4 - 770 f(x) x^2 + x^3 - 24 x^2 + f(x) - 385 x - 24)$$

Sequence: A042108
Score: 7.51389
Type of gen. func.: ogf

$$-\frac{x^3 - 24 x^2 - 385 x - 24}{x^4 - 770 x^2 + 1}$$

Sequence: A042109
Score: 10.5301
Type of gen. func.: ogf

$$-\frac{x^2 - 16 x - 1}{x^4 - 770 x^2 + 1}$$

Sequence: A042109
Score: 5.59121
Type of gen. func.: ogf

4 2 2

$$-(911877122 f(x) - 195581) (f(x) x - 770 f(x) x + x + f(x) - 16 x - 1)$$

Sequence: A042109
Score: 9.26079
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 24 x^4 - 2 x^3 + 6160 x^2 + 769 x + 8)}{(x^2 - 16 x - 1) (x^4 - 770 x^2 + 1)}$$

Sequence: A042110
Score: 3.81956
Type of gen. func.: ogf

$$-(2683293156960 f(x) + 167608604737)$$

$$(f(x) x^4 - 578 f(x) x^2 + x^3 - 24 x^2 + f(x) - 289 x - 24)$$

Sequence: A042110
Score: 7.20875
Type of gen. func.: ogf

$$-\frac{x^3 - 24 x^2 - 289 x - 24}{(x^2 - 24 x - 1) (x^2 + 24 x - 1)}$$

Sequence: A042111
Score: 11.5615
Type of gen. func.: ogf

$$-\frac{x^2 - 12 x - 1}{(x^2 - 24 x - 1) (x^2 + 24 x - 1)}$$

Sequence: A042111
Score: 6.13884
Type of gen. func.: ogf

4 2 2

$$-(385530626 f(x) - 165309) (f(x) x - 578 f(x) x + x + f(x) - 12 x - 1)$$

Sequence: A042111
Score: 8.85880
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 18 x^4 - 2 x^3 + 3468 x^2 + 577 x + 6)}{(x^2 - 12 x - 1) (x^2 - 24 x - 1) (x^2 + 24 x - 1)}$$

Sequence: A042114
Score: 3.67228
Type of gen. func.: ogf

$$-(534161359968 f(x) + 50034009793)$$

$$(f(x) x^4 - 386 f(x) x^2 + x^3 - 24 x^2 + f(x) - 193 x - 24)$$

Sequence: A042114
Score: 6.82734
Type of gen. func.: ogf

$$-\frac{x^3 - 24 x^2 - 193 x - 24}{x^4 - 386 x^2 + 1}$$

Sequence: A042115
Score: 11.0226
Type of gen. func.: ogf

$$-\frac{x^2 - 8 x - 1}{x^4 - 386 x^2 + 1}$$

Sequence: A042115
Score: 5.85886
Type of gen. func.: ogf

4 2 2

$$-(114725378 f(x) - 98045) (f(x) x - 386 f(x) x + x + f(x) - 8 x - 1)$$

Sequence: A042115
Score: 9.67836
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 12 x^4 - 2 x^3 + 1544 x^2 + 385 x + 4)}{(x^2 - 8 x - 1) (x^4 - 386 x^2 + 1)}$$

Sequence: A042118
Score: 3.54919
Type of gen. func.: ogf

$$-(170324681568 f(x) + 21265818625)$$

$$(f(x) x^4 - 290 f(x) x^2 + x^3 - 24 x^2 + f(x) - 145 x - 24)$$

Sequence: A042118
Score: 6.59849
Type of gen. func.: ogf

$$-\frac{x^3 - 24 x^2 - 145 x - 24}{x^4 - 290 x^2 + 1}$$

Sequence: A042119
Score: 10.8116
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 9 x^4 - 2 x^3 + 870 x^2 + 289 x + 3)}{(x^2 - 6 x - 1) (x^4 - 290 x^2 + 1)}$$

Sequence: A042119
Score: 11.9275
Type of gen. func.: ogf

2

$$-\frac{x - 6 x - 1}{x^{4} - 290 x^{2} + 1}$$

Sequence: A042119
Score: 6.39746
Type of gen. func.: ogf

$$-(48608642 f(x) - 62061) (f(x) x^{4} - 290 f(x) x^{2} + x^{2} + f(x) - 6 x - 1)$$

Sequence: A042126
Score: 3.91171
Type of gen. func.: ogf

$$-(34166850144 f(x) + 6395069761)$$

$$(f(x) x^{4} - 194 f(x) x^{2} + x^{3} - 24 x^{2} + f(x) - 97 x - 24)$$

Sequence: A042126
Score: 7.20873
Type of gen. func.: ogf

$$-\frac{x^{3} - 24 x^{2} - 97 x - 24}{(x^{2} - 14 x + 1) (x^{2} + 14 x + 1)}$$

Sequence: A042127
Score: 11.1290
Type of gen. func.: ogf

$$-\frac{x^{2} - 4 x - 1}{(x^{2} - 14 x + 1) (x^{2} + 14 x + 1)}$$

Sequence: A042127
Score: 6.07972
Type of gen. func.: ogf

$${}^{4} \qquad\qquad {}^{2} \quad {}^{2}$$

$$-(2075246 f(x) - 4379) (f(x) x - 194 f(x) x + x + f(x) - 4 x - 1)$$

Sequence: A042131
Score: 5.59068
Type of gen. func.: ogf

$$-(x^{10} - 3 x^9 + 7 x^8 - 31 x^7 + 69 x^6 - 238 x^5 - 69 x^4 - 31 x^3 - 7 x^2 - 3 x - 1) / (x^{12} - 11562 x^6 + 1)$$

Sequence: A042134
Score: 4.28276
Type of gen. func.: ogf

$$-(10977559008 f(x) + 2737963873) (f(x) x^4 - 146 f(x) x^2 + x^3 - 24 x^2 + f(x) - 73 x - 24)$$

Sequence: A042134
Score: 5.75684
Type of gen. func.: lgdogf

$$-\frac{x^6 - 48 x^5 - 73 x^4 - 96 x^3 + 10655 x^2 + 7056 x + 73}{(x^2 - 12 x - 1) (x^2 + 12 x - 1) (x^3 - 24 x^2 - 73 x - 24)}$$

Sequence: A042134
Score: 7.89251
Type of gen. func.: ogf

$$-\frac{x^3 - 24 x^2 - 73 x - 24}{(x^2 - 12 x - 1) (x^2 + 12 x - 1)}$$

Sequence: A042135
Score: 11.7798
Type of gen. func.: ogf

$$-\frac{x^2 - 3x - 1}{(x^2 - 12x - 1)(x^2 + 12x - 1)}$$

Sequence: A042135
Score: 6.37624
Type of gen. func.: ogf

$$-(6181058 f(x) - 18105) (f(x) x^4 - 146 f(x) x^2 + x^2 + f(x) - 3 x - 1)$$

Sequence: A042135
Score: 9.23009
Type of gen. func.: lgdogf

$$-\frac{2x^5 - 9x^4 - 4x^3 + 438x^2 + 290x + 3}{(x^2 - 12x - 1)(x^2 + 12x - 1)(x^2 - 3x - 1)}$$

Sequence: A042150
Score: 4.61083
Type of gen. func.: ogf

$$-(2235343200 f(x) + 835291777)$$

$$(f(x) x^4 - 98 f(x) x^2 + x^3 - 24 x^2 + f(x) - 49 x - 24)$$

Sequence: A042150
Score: 6.18916
Type of gen. func.: lgdogf

$$-\frac{x^6 - 48x^5 - 49x^4 - 96x^3 + 4799x^2 + 4752x + 49}{(x + 1)(x^2 - 10x + 1)(x^2 + 10x + 1)(x^2 - 25x - 24)}$$

Sequence: A042150
Score: 8.41977
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 - 25 x - 24)}{(x^2 - 10 x + 1) (x^2 + 10 x + 1)}$$

Sequence: A042151
Score: 12.3356
Type of gen. func.: ogf

$$-\frac{x^2 - 2 x - 1}{(x^2 - 10 x + 1) (x^2 + 10 x + 1)}$$

Sequence: A042151
Score: 6.68657
Type of gen. func.: ogf

$$-(1862786 f(x) - 8429) (f(x) x^4 - 98 f(x) x^2 + x^2 + f(x) - 2 x - 1)$$

Sequence: A042151
Score: 9.90541
Type of gen. func.: lgdogf

$$-\frac{2 (x + 1) (x^4 - 4 x^3 + 2 x^2 + 96 x + 1)}{(x^2 - 10 x + 1) (x^2 + 10 x + 1) (x^2 - 2 x - 1)}$$

Sequence: A042154
Score: 4.91952
Type of gen. func.: ogf

$$- (x^{11} - 24 x^{10} + 25 x^9 - 49 x^8 + 319 x^7 - 368 x^6 - 687 x^5 - 368 x^4 - 319 x^3 - 49 x^2 - 25 x - 24) / (x^{12} - 1374 x^6 + 1)$$

Sequence: A042155
Score: 5.79956
Type of gen. func.: ogf

$$-\frac{(x^2 - 2x - 1)(x^4 - x^3 + 2x^2 + x + 1)(x^4 + 2x^3 + 5x^2 - 2x + 1)}{x^{12} - 1374x^6 + 1}$$

Sequence: A042180
Score: 5.54654
Type of gen. func.: ogf

$$-\frac{x^7 - 24x^6 + 25x^5 - 99x^4 - 124x^3 - 99x^2 - 25x - 24}{x^8 - 248x^4 + 1}$$

Sequence: A042181
Score: 7.94833
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + 5x^2 + 1)}{x^8 - 248x^4 + 1}$$

Sequence: A042190
Score: 4.97456
Type of gen. func.: ogf

$$-\frac{x^7 - 24x^6 + 25x^5 - 224x^4 - 249x^3 - 224x^2 - 25x - 24}{x^8 - 498x^4 + 1}$$

Sequence: A042191
Score: 8.11717
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + 10x^2 + 1)}{x^8 - 498x^4 + 1}$$

Sequence: A042196
Score: 4.81817
Type of gen. func.: ogf

$$-\frac{x^7 - 24 x^6 + 25 x^5 - 599 x^4 - 624 x^3 - 599 x^2 - 25 x - 24}{x^8 - 1248 x^4 + 1}$$

Sequence: A042197
Score: 7.42616
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1) (x^4 + 25 x^2 + 1)}{x^8 - 1248 x^4 + 1}$$

Sequence: A042198
Score: 10.2808
Type of gen. func.: ogf

$$-\frac{x^3 - 24 x^2 - 25 x - 24}{x^4 - 50 x^2 + 1}$$

Sequence: A042198
Score: 5.67499
Type of gen. func.: ogf

$$-(152756448 f(x) + 113744545)$$

$$(f(x) x^4 - 50 f(x) x^2 + x^3 - 24 x^2 + f(x) - 25 x - 24)$$

Sequence: A042198
Score: 8.50238
Type of gen. func.: lgdogf

$$-\frac{x^6 - 48 x^5 - 25 x^4 - 96 x^3 + 1247 x^2 + 2448 x + 25}{(x^3 - 24 x^2 - 25 x - 24) (x^4 - 50 x^2 + 1)}$$

Sequence: A042199
Score: 11.4735
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 3 x^4 - 4 x^3 + 50 x^2 + 98 x + 1}{(x^2 - x - 1) (x^4 - 50 x^2 + 1)}$$

Sequence: A042199
Score: 11.8845
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{x^4 - 50 x^2 + 1}$$

Sequence: A042199
Score: 6.75787
Type of gen. func.: ogf

$$(244802 f(x) - 2201) (f(x) x^4 - 50 f(x) x^2 + x^2 + f(x) - x - 1)$$

Sequence: A042200
Score: 10.6662
Type of gen. func.: revogf

$$\frac{-25 - 50 x + (2504 x^2 + 2504 x + 625)^{1/2}}{2 (x + 1)}$$

Sequence: A042200
Score: 11.1177
Type of gen. func.: ogf

$$-\frac{x + 25}{x^2 + 50 x - 1}$$

Sequence: A042200
Score: 14.2216
Type of gen. func.: lgdogf

$$-\frac{x^2 + 50 x + 1251}{(x + 25) (x^2 + 50 x - 1)}$$

Sequence: A042200
Score: 5.74212
Type of gen. func.: ogf

$$(62600 f(x) + 1) (f(x) x^2 + 50 f(x) x - f(x) + x + 25)$$

Sequence: A042200
Score: 6.00614
Type of gen. func.: ogf

$$\{a(n + 2) - 50 a(n + 1) - a(n), a(0) = 25, a(1) = 1251\}$$

Sequence: A042200
Score: 7.15800
Type of gen. func.: lgdogf

$$-\frac{x^2 + 50 x + 1251}{x^3 + 75 x^2 + 1249 x - 25}$$

Sequence: A042201
Score: 12.8094
Type of gen. func.: lgdogf

$$-\frac{-2 x - 50}{-x^2 - 50 x + 1}$$

Sequence: A042201

Score: 15.7344
Type of gen. func.: revogf

$$\frac{-1 - 50 x + (2504 x^2 + 100 x + 1)^{1/2}}{2 x}$$

Sequence: A042201
Score: 18.8373
Type of gen. func.: ogf

$$- \frac{1}{x^2 + 50 x - 1}$$

Sequence: A042201
Score: 28.6081
Type of gen. func.: lgdogf

$$- \frac{2 (x + 25)}{x^2 + 50 x - 1}$$

Sequence: A042201
Score: 7.19627
Type of gen. func.: ogf

$$-(1251 f(x) - 1) (f(x) x^2 + 50 f(x) x - f(x) + 1)$$

Sequence: A042201
Score: 7.62462
Type of gen. func.: ogf

{-a(n + 2) + 50 a(n + 1) + a(n), a(0) = 1, a(1) = 50}

Sequence: A042202
Score: 4.09173
Type of gen. func.: ogf

-(61475625781350 f(x) + 1843776970001)

$$(f(x) x^4 - 1252 f(x) x^2 + x^3 - 25 x^2 + f(x) - 626 x - 25)$$

Sequence: A042202
Score: 7.78564
Type of gen. func.: ogf

$$- \frac{x^3 - 25 x^2 - 626 x - 25}{x^4 - 1252 x^2 + 1}$$

Sequence: A042203
Score: 11.0542
Type of gen. func.: ogf

$$- \frac{x^2 - 25 x - 1}{x^4 - 1252 x^2 + 1}$$

Sequence: A042203
Score: 5.9673
Type of gen. func.: ogf

$$-(3921890002 f(x) + 2503) (f(x) x^4 - 1252 f(x) x^2 + x^2 + f(x) - 25 x - 1)$$

Sequence: A042203
Score: 9.33762
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - 75 x^4 - 4 x^3 + 31300 x^2 + 2502 x + 25}{(x^2 - 25 x - 1) (x^4 - 1252 x^2 + 1)}$$

Sequence: A042207
Score: 6.37727
Type of gen. func.: ogf

$$x^8 - 12 x^7 + 13 x^6 - 25 x^5 + 313 x^4 + 25 x^3 + 13 x^2 + 12 x + 1$$

$$- \frac{}{x^{10} + 15700 x^{5} - 1}$$

Sequence: A042208
Score: 3.81589
Type of gen. func.: ogf

$$-(795393906300 f(x) + 59614679563)$$

$$(f(x) x^{4} - 502 f(x) x^{2} + x^{3} - 25 x^{2} + f(x) - 251 x - 25)$$

Sequence: A042208
Score: 7.09432
Type of gen. func.: ogf

$$- \frac{x^{3} - 25 x^{2} - 251 x - 25}{x^{4} - 502 x^{2} + 1}$$

Sequence: A042209
Score: 11.2724
Type of gen. func.: ogf

$$- \frac{x^{2} - 10 x - 1}{x^{4} - 502 x^{2} + 1}$$

Sequence: A042209
Score: 6.09322
Type of gen. func.: ogf

$$-(36072286 f(x) - 21371) (f(x) x^{4} - 502 f(x) x^{2} + x^{2} + f(x) - 10 x - 1)$$

Sequence: A042209
Score: 9.92217
Type of gen. func.: lgdogf

$$2 (x^{5} - 15 x^{4} - 2 x^{3} + 2510 x^{2} + 501 x + 5)$$

$$-\frac{}{(x^2 - 10 x - 1) (x^4 - 502 x^2 + 1)}$$

Sequence: A042212
Score: 4.64060
Type of gen. func.: ogf

$$-\frac{x^7 - 25 x^6 + 176 x^5 - 1081 x^4 - 7743 x^3 - 1081 x^2 - 176 x - 25}{x^8 - 15486 x^4 + 1}$$

Sequence: A042213
Score: 7.01063
Type of gen. func.: ogf

$$-\frac{(x^2 - 7 x - 1) (x^4 + 44 x^2 + 1)}{x^8 - 15486 x^4 + 1}$$

Sequence: A042218
Score: 3.56875
Type of gen. func.: ogf

$-(7785588950 f(x) + 1166271577)$

$(f(x) x^4 - 252 f(x) x^2 + x^3 - 25 x^2 + f(x) - 126 x - 25)$

Sequence: A042218
Score: 6.48406
Type of gen. func.: ogf

$$-\frac{x^3 - 25 x^2 - 126 x - 25}{x^4 - 252 x^2 + 1}$$

Sequence: A042219
Score: 10.2163
Type of gen. func.: lgdogf

$$-\frac{2x^5-15x^4-4x^3+1260x^2+502x+5}{(x^2-5x-1)(x^4-252x^2+1)}$$

Sequence: A042219
Score: 11.6281
Type of gen. func.: ogf

$$-\frac{x^2-5x-1}{x^4-252x^2+1}$$

Sequence: A042219
Score: 6.23686
Type of gen. func.: ogf

$$-(31878002\,f(x)-49897)\,(f(x)\,x^4-252\,f(x)\,x^2+x^2+f(x)-5x-1)$$

Sequence: A042233
Score: 5.61489
Type of gen. func.: ogf

$$-(x^{10}-2x^9+3x^8-74x^7+77x^6-228x^5-77x^4-74x^3-3x^2-2x-1)\,/\,(x^{12}-11554x^6+1)$$

Sequence: A042240
Score: 4.53822
Type of gen. func.: ogf

$$-\frac{(x+1)(x^6-26x^5+77x^4-204x^3-101x^2-26x-25)}{x^8-610x^4+1}$$

Sequence: A042241
Score: 8.32710

Type of gen. func.: ogf

$$-\frac{(x^2 - 2x - 1)(x^4 + 6x^2 + 1)}{x^8 - 610x^4 + 1}$$

Sequence: A042248
Score: 4.57453
Type of gen. func.: ogf

$$-(1365781300 f(x) + 510431663)$$

$$(f(x) x^4 - 102 f(x) x^2 + x^3 - 25 x^2 + f(x) - 51 x - 25)$$

Sequence: A042248
Score: 6.12261
Type of gen. func.: lgdogf

$$-\frac{x^6 - 50x^5 - 51x^4 - 100x^3 + 5199x^2 + 5150x + 51}{(x + 1)(x^2 + 10x - 1)(x^2 - 10x - 1)(x^2 - 26x - 25)}$$

Sequence: A042248
Score: 8.29949
Type of gen. func.: ogf

$$-\frac{(x + 1)(x^2 - 26x - 25)}{(x^2 + 10x - 1)(x^2 - 10x - 1)}$$

Sequence: A042249
Score: 11.3228
Type of gen. func.: ogf

$$-\frac{x^2 - 2x - 1}{(x^2 + 10x - 1)(x^2 - 10x - 1)}$$

Sequence: A042249
Score: 6.42354
Type of gen. func.: ogf

$$(2101202 f(x) - 9181) (f(x) x^4 - 102 f(x) x^2 + x^2 + f(x) - 2 x - 1)$$

Sequence: A042249
Score: 9.11201
Type of gen. func.: lgdogf

$$- \frac{2 (x + 1) (x^4 - 4 x^3 + 2 x^2 + 100 x + 1)}{(x^2 + 10 x - 1) (x^2 - 10 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A042250
Score: 5.04009
Type of gen. func.: ogf

$$- (x^{11} - 25 x^{10} + 26 x^9 - 51 x^8 + 842 x^7 - 893 x^6 - 1735 x^5 - 893 x^4 - 842 x^3 - 51 x^2 - 26 x - 25) / (x^{12} - 3470 x^6 + 1)$$

Sequence: A042251
Score: 5.49649
Type of gen. func.: ogf

$$- \frac{(x^4 - x^3 + 2 x^2 + x + 1) (x^6 - 34 x^3 - 1)}{x^{12} - 3470 x^6 + 1}$$

Sequence: A042269
Score: 5.63563
Type of gen. func.: ogf

$$- \frac{x^{10} - x^9 + 3 x^8 - 13 x^7 + 29 x^6 - 42 x^5 - 29 x^4 - 13 x^3 - 3 x^2 - x - 1}{(x^4 - 13 x^2 + 1) (x^8 + 13 x^6 + 168 x^4 + 13 x^2 + 1)}$$

Sequence: A042274
Score: 5.43099
Type of gen. func.: ogf

$$-\frac{x^7 - 25 x^6 + 26 x^5 - 77 x^4 - 103 x^3 - 77 x^2 - 26 x - 25}{x^8 - 206 x^4 + 1}$$

Sequence: A042275
Score: 7.69771
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1) (x^4 + 4 x^2 + 1)}{x^8 - 206 x^4 + 1}$$

Sequence: A042292
Score: 4.61926
Type of gen. func.: ogf

$$-\frac{x^7 - 25 x^6 + 26 x^5 - 311 x^4 - 337 x^3 - 311 x^2 - 26 x - 25}{(x^4 + 26 x^2 + 1) (x^4 - 26 x^2 + 1)}$$

Sequence: A042293
Score: 7.53941
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1) (x^4 + 13 x^2 + 1)}{(x^4 + 26 x^2 + 1) (x^4 - 26 x^2 + 1)}$$

Sequence: A042296
Score: 4.87171
Type of gen. func.: ogf

$$-\frac{x^7 - 25 x^6 + 26 x^5 - 649 x^4 - 675 x^3 - 649 x^2 - 26 x - 25}{}$$

$$x^8 - 1350 x^4 + 1$$

Sequence: A042297
Score: 7.45917
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + 26 x^2 + 1)}{x^8 - 1350 x^4 + 1}$$

Sequence: A042298
Score: 10.3690
Type of gen. func.: ogf

$$-\frac{x^3 - 25 x^2 - 26 x - 25}{x^4 - 52 x^2 + 1}$$

Sequence: A042298
Score: 5.7237
Type of gen. func.: ogf

$$-(186031350 f(x) + 138562601)$$

$$(f(x) x^4 - 52 f(x) x^2 + x^3 - 25 x^2 + f(x) - 26 x - 25)$$

Sequence: A042298
Score: 8.47330
Type of gen. func.: lgdogf

$$-\frac{x^6 - 50 x^5 - 26 x^4 - 100 x^3 + 1349 x^2 + 2650 x + 26}{(x^3 - 25 x^2 - 26 x - 25)(x^4 - 52 x^2 + 1)}$$

Sequence: A042299
Score: 11.4884
Type of gen. func.: lgdogf

$$-\frac{2x^5-3x^4-4x^3+52x^2+102x+1}{(x^2-x-1)(x^4-52x^2+1)}$$

Sequence: A042299
Score: 12.0977
Type of gen. func.: ogf

$$-\frac{x^2-x-1}{x^4-52x^2+1}$$

Sequence: A042299
Score: 6.87908
Type of gen. func.: ogf

$$(275602\,f(x)-2393)\,(f(x)\,x^4-52\,f(x)\,x^2+x^2+f(x)-x-1)$$

Sequence: A042300
Score: 13.0793
Type of gen. func.: ogf

$$-\frac{x+26}{x^2+52x-1}$$

Sequence: A042300
Score: 14.3785
Type of gen. func.: revogf

$$\frac{-13-26x+(677x^2+677x+169)^{1/2}}{x+1}$$

Sequence: A042300
Score: 16.7749
Type of gen. func.: lgdogf

2

$$-\frac{x + 52 x + 1353}{(x + 26) (x^{2} + 52 x - 1)}$$

Sequence: A042300
Score: 6.75525
Type of gen. func.: ogf

$$(70408 f(x) + 1) (f(x) x^{2} + 52 f(x) x - f(x) + x + 26)$$

Sequence: A042300
Score: 7.06583
Type of gen. func.: ogf

$$\{a(n + 2) - 52 a(n + 1) - a(n), a(0) = 26, a(1) = 1353\}$$

Sequence: A042300
Score: 8.42092
Type of gen. func.: lgdogf

$$-\frac{x^{2} + 52 x + 1353}{x^{3} + 78 x^{2} + 1351 x - 26}$$

Sequence: A042301
Score: 12.9757
Type of gen. func.: lgdogf

$$-\frac{-2 x - 52}{-x^{2} - 52 x + 1}$$

Sequence: A042301
Score: 15.9424
Type of gen. func.: revogf

$$\frac{-1 - 52 x + (2708 x^{2} + 104 x + 1)^{1/2}}{2 x}$$

Sequence: A042301
Score: 19.0819
Type of gen. func.: ogf

$$-\frac{1}{x^2 + 52 x - 1}$$

Sequence: A042301
Score: 28.9862
Type of gen. func.: lgdogf

$$-\frac{2 (x + 26)}{x^2 + 52 x - 1}$$

Sequence: A042301
Score: 7.28973
Type of gen. func.: ogf

$$-(1353 f(x) - 1) (f(x) x^2 + 52 f(x) x - f(x) + 1)$$

Sequence: A042301
Score: 7.72364
Type of gen. func.: ogf

$$\{-a(n + 2) + 52 a(n + 1) + a(n), a(0) = 1, a(1) = 52\}$$

Sequence: A042302
Score: 4.15103
Type of gen. func.: ogf

$$-(87451585738296 f(x) + 2522019944861)$$

$$(f(x) x^4 - 1354 f(x) x^2 + x^3 - 26 x^2 + f(x) - 677 x - 26)$$

Sequence: A042302
Score: 7.89847

Type of gen. func.: ogf

$$-\frac{x^3 - 26 x^2 - 677 x - 26}{x^4 - 1354 x^2 + 1}$$

Sequence: A042303
Score: 5.25074
Type of gen. func.: ogf

$$-(4960947682 f(x) + 2707) (f(x) x^4 - 1354 f(x) x^2 + x^2 + f(x) - 26 x - 1)$$

Sequence: A042303
Score: 8.20062
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 39 x^4 - 2 x^3 + 17602 x^2 + 1353 x + 13)}{(x^2 - 26 x - 1) (x^4 - 1354 x^2 + 1)}$$

Sequence: A042303
Score: 9.72679
Type of gen. func.: ogf

$$-\frac{x^2 - 26 x - 1}{x^4 - 1354 x^2 + 1}$$

Sequence: A042306
Score: 3.92061
Type of gen. func.: ogf

$$-(5502099325840 f(x) + 317272056037)$$

$$(f(x) x^4 - 678 f(x) x^2 + x^3 - 26 x^2 + f(x) - 339 x - 26)$$

Sequence: A042306
Score: 7.39946

Type of gen. func.: ogf

$$-\frac{x^3 - 26 x^2 - 339 x - 26}{(x^2 + 26 x - 1) (x^2 - 26 x - 1)}$$

Sequence: A042307
Score: 10.2940
Type of gen. func.: ogf

$$-\frac{x^2 - 13 x - 1}{(x^2 + 26 x - 1) (x^2 - 26 x - 1)}$$

Sequence: A042307
Score: 5.46585
Type of gen. func.: ogf

$$-(622409426 f(x) - 227809) (f(x) x^4 - 678 f(x) x^2 + x^2 + f(x) - 13 x - 1)$$

Sequence: A042307
Score: 7.67477
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 39 x^4 - 4 x^3 + 8814 x^2 + 1354 x + 13}{(x^2 - 13 x - 1) (x^2 + 26 x - 1) (x^2 - 26 x - 1)}$$

Sequence: A042324
Score: 3.94561
Type of gen. func.: ogf

$$-(50801243272 f(x) + 9509848765)$$

$$(f(x) x^4 - 210 f(x) x^2 + x^3 - 26 x^2 + f(x) - 105 x - 26)$$

Sequence: A042324
Score: 5.63864

Type of gen. func.: lgdogf

$$-\frac{x^6 - 52 x^5 - 105 x^4 - 104 x^3 + 22047 x^2 + 10972 x + 105}{(x^3 - 26 x^2 - 105 x - 26) (x^4 - 210 x^2 + 1)}$$

Sequence: A042324
Score: 7.22435
Type of gen. func.: ogf

$$-\frac{x^3 - 26 x^2 - 105 x - 26}{x^4 - 210 x^2 + 1}$$

Sequence: A042325
Score: 11.1789
Type of gen. func.: ogf

$$-\frac{x^2 - 4 x - 1}{x^4 - 210 x^2 + 1}$$

Sequence: A042325
Score: 5.99595
Type of gen. func.: ogf

$$-(18432962 f(x) - 36541) (f(x) x^4 - 210 f(x) x^2 + x^2 + f(x) - 4 x - 1)$$

Sequence: A042327
Score: 5.37214
Type of gen. func.: ogf

$$- (x^{10} - 3 x^9 + 4 x^8 - 11 x^7 + 15 x^6 - 56 x^5 - 15 x^4 - 11 x^3 - 4 x^2 - 3 x - 1) / (x^{12} - 2942 x^6 + 1)$$

Sequence: A042340
Score: 7.62840
Type of gen. func.: ogf

$$-\frac{x^5 - 26 x^4 + 53 x^3 + 132 x^2 + 53 x + 26}{x^6 + 264 x^3 - 1}$$

Sequence: A042341
Score: 8.73733
Type of gen. func.: ogf

$$-\frac{x^4 - 2 x^3 + 5 x^2 + 2 x + 1}{x^6 + 264 x^3 - 1}$$

Sequence: A042348
Score: 5.35029
Type of gen. func.: ogf

$$-(x^9 - 26 x^8 + 53 x^7 - 556 x^6 + 5613 x^5 + 11782 x^4 + 5613 x^3 + 556 x^2 + 53 x + 26) / (x^{10} + 23564 x^5 - 1)$$

Sequence: A042349
Score: 5.46981
Type of gen. func.: ogf

$$-\frac{x^8 - 2 x^7 + 21 x^6 - 212 x^5 + 445 x^4 + 212 x^3 + 21 x^2 + 2 x + 1}{x^{10} + 23564 x^5 - 1}$$

Sequence: A042350
Score: 4.53879
Type of gen. func.: ogf

$$-(3312229752 f(x) + 1238039453)$$

$$(f(x) x^4 - 106 f(x) x^2 + x^3 - 26 x^2 + f(x) - 53 x - 26)$$

Sequence: A042350
Score: 6.86028
Type of gen. func.: lgdogf

$$-\frac{x^6 - 52 x^5 - 53 x^4 - 104 x^3 + 5615 x^2 + 5564 x + 53}{(x + 1) (x^2 - 27 x - 26) (x^4 - 106 x^2 + 1)}$$

Sequence: A042350
Score: 8.29949
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 - 27 x - 26)}{x^4 - 106 x^2 + 1}$$

Sequence: A042351
Score: 10.5817
Type of gen. func.: lgdogf

$$-\frac{2 (x + 1) (x^4 - 4 x^3 + 2 x^2 + 104 x + 1)}{(x^2 - 2 x - 1) (x^4 - 106 x^2 + 1)}$$

Sequence: A042351
Score: 11.3228
Type of gen. func.: ogf

$$-\frac{x^2 - 2 x - 1}{x^4 - 106 x^2 + 1}$$

Sequence: A042351
Score: 6.42354
Type of gen. func.: ogf

$$(2359138 f(x) - 9965) (f(x) x^4 - 106 f(x) x^2 + x^2 + f(x) - 2 x - 1)$$

Sequence: A042368
Score: 5.30725
Type of gen. func.: ogf

$$-\frac{x^7-26x^6+27x^5-53x^4-80x^3-53x^2-27x-26}{x^8-160x^4+1}$$

Sequence: A042369
Score: 8.07662
Type of gen. func.: ogf

$$-\frac{(x^2-x-1)(x^4+3x^2+1)}{x^8-160x^4+1}$$

Sequence: A042371
Score: 5.44675
Type of gen. func.: ogf

$$-\frac{x^{10}-x^9+3x^8-19x^7+41x^6-60x^5-41x^4-19x^3-3x^2-x-1}{x^{12}-3202x^6+1}$$

Sequence: A042386
Score: 5.13938
Type of gen. func.: ogf

$$-\frac{x^7-26x^6+27x^5-134x^4-161x^3-134x^2-27x-26}{(x^2+4x-1)(x^2-4x-1)(x^4+18x^2+1)}$$

Sequence: A042387
Score: 6.40880
Type of gen. func.: ogf

2 4 2

$$-\frac{(x - x - 1)(x + 6x + 1)}{(x^2 + 4x - 1)(x^2 - 4x - 1)(x^4 + 18x^2 + 1)}$$

Sequence: A042392
Score: 4.97456
Type of gen. func.: ogf

$$-\frac{x^7 - 26x^6 + 27x^5 - 215x^4 - 242x^3 - 215x^2 - 27x - 26}{x^8 - 484x^4 + 1}$$

Sequence: A042393
Score: 8.13563
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + 9x^2 + 1)}{x^8 - 484x^4 + 1}$$

Sequence: A042398
Score: 4.78134
Type of gen. func.: ogf

$$-\frac{x^7 - 26x^6 + 27x^5 - 458x^4 - 485x^3 - 458x^2 - 27x - 26}{x^8 - 970x^4 + 1}$$

Sequence: A042399
Score: 7.87751
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + 18x^2 + 1)}{x^8 - 970x^4 + 1}$$

Sequence: A042400
Score: 4.97878

Type of gen. func.: ogf

$$-\frac{x^7 - 26 x^6 + 27 x^5 - 701 x^4 - 728 x^3 - 701 x^2 - 27 x - 26}{x^8 - 1456 x^4 + 1}$$

Sequence: A042401
Score: 7.52518
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1) (x^4 + 27 x^2 + 1)}{x^8 - 1456 x^4 + 1}$$

Sequence: A042402
Score: 4.18526
Type of gen. func.: ogf

$$-(224866096 f(x) + 167533861)$$

$$(f(x) x^4 - 54 f(x) x^2 + x^3 - 26 x^2 + f(x) - 27 x - 26)$$

Sequence: A042402
Score: 7.58199
Type of gen. func.: ogf

$$-\frac{x^3 - 26 x^2 - 27 x - 26}{x^4 - 54 x^2 + 1}$$

Sequence: A042403
Score: 11.4884
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 3 x^4 - 4 x^3 + 54 x^2 + 106 x + 1}{(x^2 - x - 1) (x^4 - 54 x^2 + 1)}$$

Sequence: A042403
Score: 12.0977
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{x^4 - 54 x^2 + 1}$$

Sequence: A042403
Score: 6.87908
Type of gen. func.: ogf

$$(308882 f(x) - 2593) (f(x) x^4 - 54 f(x) x^2 + x^2 + f(x) - x - 1)$$

Sequence: A042404
Score: 12.6940
Type of gen. func.: revogf

$$\frac{-27 - 54 x + (2920 x^2 + 2920 x + 729)^{1/2}}{2 (x + 1)}$$

Sequence: A042404
Score: 13.1945
Type of gen. func.: ogf

$$-\frac{x + 27}{x^2 + 54 x - 1}$$

Sequence: A042404
Score: 16.9253
Type of gen. func.: lgdogf

$$-\frac{x^2 + 54 x + 1459}{(x + 27) (x^2 + 54 x - 1)}$$

Sequence: A042404
Score: 6.81476
Type of gen. func.: ogf

$$(78840 f(x) + 1) (f(x) x^2 + 54 f(x) x - f(x) + x + 27)$$

Sequence: A042404
Score: 7.12808
Type of gen. func.: ogf

$$\{a(n + 2) - 54 a(n + 1) - a(n), a(0) = 27, a(1) = 1459\}$$

Sequence: A042404
Score: 8.49511
Type of gen. func.: lgdogf

$$- \frac{x^2 + 54 x + 1459}{x^3 + 81 x^2 + 1457 x - 27}$$

Sequence: A042405
Score: 13.0312
Type of gen. func.: lgdogf

$$- \frac{-2 x - 54}{-x^2 - 54 x + 1}$$

Sequence: A042405
Score: 16.0117
Type of gen. func.: revogf

$$\frac{-1 - 54 x + (2920 x^2 + 108 x + 1)^{1/2}}{2 x}$$

Sequence: A042405
Score: 19.1635
Type of gen. func.: ogf

$$-\frac{1}{x^2+54x-1}$$

Sequence: A042405
Score: 29.1122
Type of gen. func.: lgdogf

$$-\frac{2(x+27)}{x^2+54x-1}$$

Sequence: A042405
Score: 7.32088
Type of gen. func.: ogf

$$-(1459 f(x) - 1) (f(x) x^2 + 54 f(x) x - f(x) + 1)$$

Sequence: A042405
Score: 7.75665
Type of gen. func.: ogf

$$\{-a(n + 2) + 54 a(n + 1) + a(n), a(0) = 1, a(1) = 54\}$$

Sequence: A042406
Score: 4.16019
Type of gen. func.: ogf

$$-(122764198460994 f(x) + 3409336992313)$$

$$(f(x) x^4 - 1460 f(x) x^2 + x^3 - 27 x^2 + f(x) - 730 x - 27)$$

Sequence: A042406
Score: 7.97371
Type of gen. func.: ogf

$$-\frac{x^3 - 27 x^2 - 730 x - 27}{x^4 - 1460 x^2 + 1}$$

Sequence: A042407
Score: 5.29982
Type of gen. func.: ogf

$$-(6220002962 f(x) + 2919) (f(x) x^4 - 1460 f(x) x^2 + x^2 + f(x) - 27 x - 1)$$

Sequence: A042407
Score: 8.27872
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 81 x^4 - 4 x^3 + 39420 x^2 + 2918 x + 27}{(x^2 - 27 x - 1) (x^4 - 1460 x^2 + 1)}$$

Sequence: A042407
Score: 9.81769
Type of gen. func.: ogf

$$-\frac{x^2 - 27 x - 1}{x^4 - 1460 x^2 + 1}$$

Sequence: A042408
Score: 4.05205
Type of gen. func.: ogf

$$-(12162235937976 f(x) + 506585927129)$$

$$(f(x) x^4 - 974 f(x) x^2 + x^3 - 27 x^2 + f(x) - 487 x - 27)$$

Sequence: A042408
Score: 7.70459
Type of gen. func.: ogf

$$-\frac{x^3 - 27 x^2 - 487 x - 27}{x^4 - 974 x^2 + 1}$$

Sequence: A042409
Score: 4.96147
Type of gen. func.: ogf

$$-(1846119602 f(x) - 313629) (f(x) x^4 - 974 f(x) x^2 + x^2 + f(x) - 18 x - 1)$$

Sequence: A042409
Score: 8.27639
Type of gen. func.: lgdogf

$$- \frac{2 (x^5 - 27 x^4 - 2 x^3 + 8766 x^2 + 973 x + 9)}{(x^2 - 18 x - 1) (x^4 - 974 x^2 + 1)}$$

Sequence: A042409
Score: 9.42680
Type of gen. func.: ogf

$$- \frac{x^2 - 18 x - 1}{x^4 - 974 x^2 + 1}$$

Sequence: A042411
Score: 5.97252
Type of gen. func.: ogf

$$- \frac{x^8 - 13 x^7 + 14 x^6 - 27 x^5 + 365 x^4 + 27 x^3 + 14 x^2 + 13 x + 1}{x^{10} + 19764 x^5 - 1}$$

Sequence: A042414
Score: 3.81589
Type of gen. func.: ogf

$$-(306870254838 f(x) + 25554934523)$$

$$(f(x) x^4 - 488 f(x) x^2 + x^3 - 27 x^2 + f(x) - 244 x - 27)$$

Sequence: A042414
Score: 7.09432
Type of gen. func.: ogf

$$-\frac{x^3 - 27 x^2 - 244 x - 27}{x^4 - 488 x^2 + 1}$$

Sequence: A042415
Score: 10.0363
Type of gen. func.: ogf

$$-\frac{x^2 - 9 x - 1}{x^4 - 488 x^2 + 1}$$

Sequence: A042415
Score: 5.28698
Type of gen. func.: ogf

$$-(231950306 f(x) - 157137) (f(x) x^4 - 488 f(x) x^2 + x^2 + f(x) - 9 x - 1)$$

Sequence: A042415
Score: 8.80012
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 27 x^4 - 4 x^3 + 4392 x^2 + 974 x + 9}{(x^2 - 9 x - 1) (x^4 - 488 x^2 + 1)}$$

Sequence: A042420
Score: 3.59022
Type of gen. func.: ogf

$$-(152938908972 f(x) + 19097603483)$$

$$(f(x) x^4 - 326 f(x) x^2 + x^3 - 27 x^2 + f(x) - 163 x - 27)$$

Sequence: A042420
Score: 6.67477
Type of gen. func.: ogf

$$-\frac{x^3 - 27 x^2 - 163 x - 27}{(x^2 - 18 x - 1) (x^2 + 18 x - 1)}$$

Sequence: A042421
Score: 10.7287
Type of gen. func.: ogf

$$-\frac{x^2 - 6 x - 1}{(x^2 - 18 x - 1) (x^2 + 18 x - 1)}$$

Sequence: A042421
Score: 5.75447
Type of gen. func.: ogf

$$-(69078098 f(x) - 81501) (f(x) x^4 - 326 f(x) x^2 + x^2 + f(x) - 6 x - 1)$$

Sequence: A042421
Score: 8.39770
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 9 x^4 - 2 x^3 + 978 x^2 + 325 x + 3)}{(x^2 + 18 x - 1) (x^2 - 6 x - 1) (x^2 - 18 x - 1)}$$

Sequence: A042438
Score: 3.80425
Type of gen. func.: ogf

$$-(19647837522 f(x) + 4901746753) (f(x) x^4 - 164 f(x) x^2 + x^3 - 27 x^2 + f(x) - 82 x - 27)$$

Sequence: A042438
Score: 5.64304
Type of gen. func.: lgdogf

$$-\frac{x^6 - 54 x^5 - 82 x^4 - 108 x^3 + 13445 x^2 + 8910 x + 82}{(x^3 - 27 x^2 - 82 x - 27) (x^4 - 164 x^2 + 1)}$$

Sequence: A042438
Score: 7.01069
Type of gen. func.: ogf

$$-\frac{x^3 - 27 x^2 - 82 x - 27}{x^4 - 164 x^2 + 1}$$

Sequence: A042439
Score: 10.9063
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 9 x^4 - 4 x^3 + 492 x^2 + 326 x + 3}{(x^2 - 3 x - 1) (x^4 - 164 x^2 + 1)}$$

Sequence: A042439
Score: 12.0337
Type of gen. func.: ogf

$$-\frac{x^2 - 3 x - 1}{x^4 - 164 x^2 + 1}$$

Sequence: A042439
Score: 6.51366
Type of gen. func.: ogf

$$-(8767442 f(x) - 23289) (f(x) x^4 - 164 f(x) x^2 + x^2 + f(x) - 3 x - 1)$$

Sequence: A042454
Score: 4.60896
Type of gen. func.: ogf

$$-\frac{(x+1)(x^6-28x^5+83x^4-660x^3-549x^2-28x-27)}{x^8-2418x^4+1}$$

Sequence: A042455
Score: 7.25581
Type of gen. func.: ogf

$$-\frac{(x^2-2x-1)(x^4+22x^2+1)}{x^8-2418x^4+1}$$

Sequence: A042456
Score: 4.0825
Type of gen. func.: ogf

$$-(1993845672 f(x) + 745347569)$$

$$(f(x) x^4 - 110 f(x) x^2 + x^3 - 27 x^2 + f(x) - 55 x - 27)$$

Sequence: A042456
Score: 6.11018
Type of gen. func.: lgdogf

$$-\frac{x^6-54x^5-55x^4-108x^3+6047x^2+5994x+55}{(x+1)(x^2-28x-27)(x^4-110x^2+1)}$$

Sequence: A042456
Score: 7.40681
Type of gen. func.: ogf

$$(x+1)(x^2-28x-27)$$

$$-\frac{}{x^4 - 110 x^2 + 1}$$

Sequence: A042457
Score: 10.5817
Type of gen. func.: lgdogf

$$-\frac{2 (x + 1) (x^4 - 4 x^3 + 2 x^2 + 108 x + 1)}{(x^2 - 2 x - 1) (x^4 - 110 x^2 + 1)}$$

Sequence: A042457
Score: 11.3228
Type of gen. func.: ogf

$$-\frac{x^2 - 2 x - 1}{x^4 - 110 x^2 + 1}$$

Sequence: A042457
Score: 6.12888
Type of gen. func.: ogf

$$-(2637362 f(x) - 10781) (f(x) x^4 - 110 f(x) x^2 + x^2 + f(x) - 2 x - 1)$$

Sequence: A042463
Score: 5.83781
Type of gen. func.: ogf

$$-\frac{(x^4 - x^3 + 2 x^2 + x + 1) (x^6 - 10 x^3 - 1)}{x^{12} - 1102 x^6 + 1}$$

Sequence: A042467
Score: 5.20452
Type of gen. func.: ogf

12 11 10 9 8 7 6 5 4 3

$$-(x - x + 2x - 5x + 12x - 17x + 29x + 17x + 12x + 5x + 2x^2 + x + 1) / (x^{14} + 1600x^7 - 1)$$

Sequence: A042484
Score: 5.51765
Type of gen. func.: ogf

$$-\frac{x^7 - 27x^6 + 28x^5 - 83x^4 - 111x^3 - 83x^2 - 28x - 27}{x^8 - 222x^4 + 1}$$

Sequence: A042485
Score: 8.51123
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + 4x^2 + 1)}{x^8 - 222x^4 + 1}$$

Sequence: A042496
Score: 6.41481
Type of gen. func.: ogf

$$-\frac{x^7 - 27x^6 + 28x^5 - 167x^4 - 195x^3 - 167x^2 - 28x - 27}{x^8 - 390x^4 + 1}$$

Sequence: A042497
Score: 7.81727
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + 7x^2 + 1)}{x^8 - 390x^4 + 1}$$

Sequence: A042498

Score: 4.86462
Type of gen. func.: ogf

$$-\frac{x^7 - 27 x^6 + 28 x^5 - 195 x^4 - 223 x^3 - 195 x^2 - 28 x - 27}{x^8 - 446 x^4 + 1}$$

Sequence: A042499
Score: 6.01224
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1) (x^4 + 8 x^2 + 1)}{x^8 - 446 x^4 + 1}$$

Sequence: A042504
Score: 4.78134
Type of gen. func.: ogf

$$-\frac{x^7 - 27 x^6 + 28 x^5 - 363 x^4 - 391 x^3 - 363 x^2 - 28 x - 27}{(x^4 + 28 x^2 + 1) (x^4 - 28 x^2 + 1)}$$

Sequence: A042505
Score: 7.60703
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1) (x^4 + 14 x^2 + 1)}{(x^4 + 28 x^2 + 1) (x^4 - 28 x^2 + 1)}$$

Sequence: A042508
Score: 5.03232
Type of gen. func.: ogf

$$-\frac{x^7 - 27 x^6 + 28 x^5 - 755 x^4 - 783 x^3 - 755 x^2 - 28 x - 27}{x^8 - 1566 x^4 + 1}$$

Sequence: A042509
Score: 7.59119
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + 28x^2 + 1)}{x^8 - 1566x^4 + 1}$$

Sequence: A042510
Score: 4.18526
Type of gen. func.: ogf

$$-(269929854 f(x) + 201158911)$$

$$(f(x)x^4 - 56 f(x)x^2 + x^3 - 27x^2 + f(x) - 28x - 27)$$

Sequence: A042510
Score: 7.58199
Type of gen. func.: ogf

$$-\frac{x^3 - 27x^2 - 28x - 27}{x^4 - 56x^2 + 1}$$

Sequence: A042511
Score: 11.4884
Type of gen. func.: lgdogf

$$-\frac{2x^5 - 3x^4 - 4x^3 + 56x^2 + 110x + 1}{(x^2 - x - 1)(x^4 - 56x^2 + 1)}$$

Sequence: A042511
Score: 12.0977
Type of gen. func.: ogf

```
         2
        x  - x - 1
      - ------------
        4       2
```

$$x - 56 x + 1$$

Sequence: A042511
Score: 6.87908
Type of gen. func.: ogf

$$(344738 f(x) - 2801) (f(x) x^{4} - 56 f(x) x^{2} + x^{2} + f(x) - x - 1)$$

Sequence: A042512
Score: 13.2522
Type of gen. func.: ogf

$$- \frac{x + 28}{x^{2} + 56 x - 1}$$

Sequence: A042512
Score: 14.5719
Type of gen. func.: revogf

$$\frac{-14 - 28 x + (785 x^{2} + 785 x + 196)^{1/2}}{x + 1}$$

Sequence: A042512
Score: 17.0005
Type of gen. func.: lgdogf

$$- \frac{x^{2} + 56 x + 1569}{(x + 28) (x^{2} + 56 x - 1)}$$

Sequence: A042512
Score: 6.84452
Type of gen. func.: ogf

$$(87920 f(x) + 1) (f(x) x^{2} + 56 f(x) x - f(x) + x + 28)$$

Sequence: A042512
Score: 7.15922
Type of gen. func.: ogf

$$\{a(n + 2) - 56 a(n + 1) - a(n), a(0) = 28, a(1) = 1569\}$$

Sequence: A042512
Score: 8.53222
Type of gen. func.: lgdogf

$$-\frac{x^2 + 56 x + 1569}{x^3 + 84 x^2 + 1567 x - 28}$$

Sequence: A042513
Score: 13.0866
Type of gen. func.: lgdogf

$$-\frac{-2 x - 56}{-x^2 - 56 x + 1}$$

Sequence: A042513
Score: 16.0810
Type of gen. func.: revogf

$$\frac{-1 - 56 x + (3140 x^2 + 112 x + 1)^{1/2}}{2 x}$$

Sequence: A042513
Score: 19.2450
Type of gen. func.: ogf

$$-\frac{1}{x^2 + 56 x - 1}$$

Sequence: A042513

Score: 29.2382
Type of gen. func.: lgdogf

$$-\frac{2\,(x+28)}{x^{2}+56\,x-1}$$

Sequence: A042513
Score: 7.35203
Type of gen. func.: ogf

$$-(1569\,f(x)-1)\,(f(x)\,x^{2}+56\,f(x)\,x-f(x)+1)$$

Sequence: A042513
Score: 7.78965
Type of gen. func.: ogf

$$\{-a(n+2)+56\,a(n+1)+a(n),\ a(0)=1,\ a(1)=56\}$$

Sequence: A042514
Score: 3.61436
Type of gen. func.: ogf

$$-(170228577083376\,f(x)+4558724708273)$$
$$(f(x)\,x^{4}-1570\,f(x)\,x^{2}+x^{3}-28\,x^{2}+f(x)-785\,x-28)$$

Sequence: A042514
Score: 6.92753
Type of gen. func.: ogf

$$-\frac{x^{3}-28\,x^{2}-785\,x-28}{x^{4}-1570\,x^{2}+1}$$

Sequence: A042515
Score: 11.3793
Type of gen. func.: ogf

$$2$$

$$-\frac{x - 28 x - 1}{x^{4} - 1570 x^{2} + 1}$$

Sequence: A042515
Score: 6.14281
Type of gen. func.: ogf

$$-(7734849922 f(x) + 3139) (f(x) x^{4} - 1570 f(x) x^{2} + x^{2} + f(x) - 28 x - 1)$$

Sequence: A042515
Score: 9.61695
Type of gen. func.: lgdogf

$$-\frac{2 (x^{5} - 42 x^{4} - 2 x^{3} + 21980 x^{2} + 1569 x + 14)}{(x^{2} - 28 x - 1) (x^{4} - 1570 x^{2} + 1)}$$

Sequence: A042518
Score: 3.97181
Type of gen. func.: ogf

$$-(10700340328496 f(x) + 572988489361)$$

$$(f(x) x^{4} - 786 f(x) x^{2} + x^{3} - 28 x^{2} + f(x) - 393 x - 28)$$

Sequence: A042518
Score: 7.55203
Type of gen. func.: ogf

$$-\frac{x^{3} - 28 x^{2} - 393 x - 28}{(x^{2} + 28 x - 1) (x^{2} - 28 x - 1)}$$

Sequence: A042519
Score: 10.5301
Type of gen. func.: ogf

2

$$-\frac{x - 14 x - 1}{(x^{2} + 28 x - 1) (x^{2} - 28 x - 1)}$$

Sequence: A042519
Score: 5.59121
Type of gen. func.: ogf

$$-(969936578 f(x) - 306541) (f(x) x^{4} - 786 f(x) x^{2} + x^{2} + f(x) - 14 x - 1)$$

Sequence: A042519
Score: 8.05809
Type of gen. func.: lgdogf

$$-\frac{2 (x^{5} - 21 x^{4} - 2 x^{3} + 5502 x^{2} + 785 x + 7)}{(x^{2} + 28 x - 1) (x^{2} - 28 x - 1) (x^{2} - 14 x - 1)}$$

Sequence: A042524
Score: 3.73873
Type of gen. func.: ogf

$$-(1150703782256 f(x) + 107797961713)$$

$$(f(x) x^{4} - 450 f(x) x^{2} + x^{3} - 28 x^{2} + f(x) - 225 x - 28)$$

Sequence: A042524
Score: 7.05618
Type of gen. func.: ogf

$$-\frac{x^{3} - 28 x^{2} - 225 x - 28}{x^{4} - 450 x^{2} + 1}$$

Sequence: A042525
Score: 11.2186
Type of gen. func.: ogf

2

$$-\frac{x - 8x - 1}{x^4 - 450x^2 + 1}$$

Sequence: A042525
Score: 5.90978
Type of gen. func.: ogf

$$-(181843202 f(x) - 143101) (f(x) x^4 - 450 f(x) x^2 + x^2 + f(x) - 8 x - 1)$$

Sequence: A042525
Score: 9.85353
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 12 x^4 - 2 x^3 + 1800 x^2 + 449 x + 4)}{(x^2 - 8 x - 1) (x^4 - 450 x^2 + 1)}$$

Sequence: A042526
Score: 3.71331
Type of gen. func.: ogf

$$-(676445183568 f(x) + 72414409313)$$

$$(f(x) x^4 - 394 f(x) x^2 + x^3 - 28 x^2 + f(x) - 197 x - 28)$$

Sequence: A042526
Score: 6.90362
Type of gen. func.: ogf

$$-\frac{x^3 - 28 x^2 - 197 x - 28}{x^4 - 394 x^2 + 1}$$

Sequence: A042527
Score: 11.0226
Type of gen. func.: ogf

$$2$$

$$-\frac{x - 7 x - 1}{x^4 - 394 x^2 + 1}$$

Sequence: A042527
Score: 5.80655
Type of gen. func.: ogf

$$-(122013922 f(x) - 115049) (f(x) x^4 - 394 f(x) x^2 + x^2 + f(x) - 7 x - 1)$$

Sequence: A042527
Score: 9.67836
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 21 x^4 - 4 x^3 + 2758 x^2 + 786 x + 7}{(x^2 - 7 x - 1) (x^4 - 394 x^2 + 1)}$$

Sequence: A042528
Score: 5.16686
Type of gen. func.: ogf

$$-\frac{x^7 - 28 x^6 + 169 x^5 - 704 x^4 - 4393 x^3 - 704 x^2 - 169 x - 28}{x^8 - 8786 x^4 + 1}$$

Sequence: A042529
Score: 7.42102
Type of gen. func.: ogf

$$-\frac{(x^2 - 6 x - 1) (x^4 + 26 x^2 + 1)}{x^8 - 8786 x^4 + 1}$$

Sequence: A042532
Score: 4.59175
Type of gen. func.: ogf

$$-\frac{x^7 - 28 x^6 + 141 x^5 - 1297 x^4 - 6626 x^3 - 1297 x^2 - 141 x - 28}{x^8 - 13252 x^4 + 1}$$

Sequence: A042533
Score: 6.85621
Type of gen. func.: ogf

$$-\frac{(x^2 - 5 x - 1) (x^4 + 47 x^2 + 1)}{x^8 - 13252 x^4 + 1}$$

Sequence: A042538
Score: 3.45225
Type of gen. func.: ogf

$$-(73362687216 f(x) + 13734883121)$$

$$(f(x) x^4 - 226 f(x) x^2 + x^3 - 28 x^2 + f(x) - 113 x - 28)$$

Sequence: A042538
Score: 6.36963
Type of gen. func.: ogf

$$-\frac{x^3 - 28 x^2 - 113 x - 28}{x^4 - 226 x^2 + 1}$$

Sequence: A042539
Score: 10.3515
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 6 x^4 - 2 x^3 + 452 x^2 + 225 x + 2)}{(x^2 - 4 x - 1) (x^4 - 226 x^2 + 1)}$$

Sequence: A042539
Score: 11.4284

Type of gen. func.: ogf

$$-\frac{x^2 - 4x - 1}{x^4 - 226x^2 + 1}$$

Sequence: A042539
Score: 6.12979
Type of gen. func.: ogf

$$-(22983298 f(x) - 42941)(f(x) x^4 - 226 f(x) x^2 + x^2 + f(x) - 4x - 1)$$

Sequence: A042540
Score: 4.67328
Type of gen. func.: ogf

$$-\frac{x^7 - 28x^6 + 85x^5 - 113x^4 - 424x^3 - 113x^2 - 85x - 28}{x^8 - 848x^4 + 1}$$

Sequence: A042541
Score: 7.91058
Type of gen. func.: ogf

$$-\frac{(x^2 - 3x - 1)(x^4 + 5x^2 + 1)}{x^8 - 848x^4 + 1}$$

Sequence: A042566
Score: 4.09488
Type of gen. func.: ogf

$$-(4769106608 f(x) + 1783009873)$$

$$(f(x) x^4 - 114 f(x) x^2 + x^3 - 28x^2 + f(x) - 57x - 28)$$

Sequence: A042566
Score: 6.17845

Type of gen. func.: lgdogf

$$-\frac{x^6 - 56 x^5 - 57 x^4 - 112 x^3 + 6495 x^2 + 6440 x + 57}{(x + 1) (x^2 - 29 x - 28) (x^4 - 114 x^2 + 1)}$$

Sequence: A042566
Score: 7.48777
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 - 29 x - 28)}{x^4 - 114 x^2 + 1}$$

Sequence: A042567
Score: 10.5817
Type of gen. func.: lgdogf

$$-\frac{2 (x + 1) (x^4 - 4 x^3 + 2 x^2 + 112 x + 1)}{(x^2 - 2 x - 1) (x^4 - 114 x^2 + 1)}$$

Sequence: A042567
Score: 11.3228
Type of gen. func.: ogf

$$-\frac{x^2 - 2 x - 1}{x^4 - 114 x^2 + 1}$$

Sequence: A042567
Score: 6.36236
Type of gen. func.: ogf

$$(2936642 f(x) - 11629) (f(x) x^4 - 114 f(x) x^2 + x^2 + f(x) - 2 x - 1)$$

Sequence: A042569

Score: 5.54623
Type of gen. func.: ogf

$$-\frac{(x^6 - 38 x^3 - 1) (x^4 - x^3 + 2 x^2 + x + 1)}{x^{12} - 4334 x^6 + 1}$$

Sequence: A042577
Score: 6.28952
Type of gen. func.: ogf

$$-\frac{(x^6 - 6 x^3 - 1) (x^4 - x^3 + 2 x^2 + x + 1)}{x^{12} - 686 x^6 + 1}$$

Sequence: A042578
Score: 5.71460
Type of gen. func.: ogf

$$-\frac{x^9 - 28 x^8 + 29 x^7 - 57 x^6 + 86 x^5 + 143 x^4 + 86 x^3 + 57 x^2 + 29 x + 28}{x^{10} + 286 x^5 - 1}$$

Sequence: A042579
Score: 7.07756
Type of gen. func.: ogf

$$-\frac{(x^4 + 2 x^3 + 4 x^2 + 3 x + 1) (x^4 - 3 x^3 + 4 x^2 - 2 x + 1)}{x^{10} + 286 x^5 - 1}$$

Sequence: A042581
Score: 11.9896
Type of gen. func.: lgdogf

$$-\frac{36792 x^{11} + 33521 x^{10} - 30250 x^9 - 2 x - 1}{(x^2 + x - 1) (3271 x^{10} - 1)}$$

Sequence: A042599
Score: 5.74856
Type of gen. func.: ogf

$$-\frac{x^{10}-x^{9}+4x^{8}-9x^{7}+31x^{6}-40x^{5}-31x^{4}-9x^{3}-4x^{2}-x-1}{(x^{6}-48x^{3}+1)(x^{6}+48x^{3}+1)}$$

Sequence: A042620
Score: 5.03232
Type of gen. func.: ogf

$$-\frac{x^{7}-28x^{6}+29x^{5}-811x^{4}-840x^{3}-811x^{2}-29x-28}{x^{8}-1680x^{4}+1}$$

Sequence: A042621
Score: 7.65720
Type of gen. func.: ogf

$$-\frac{(x^{2}-x-1)(x^{4}+29x^{2}+1)}{x^{8}-1680x^{4}+1}$$

Sequence: A042622
Score: 4.30031
Type of gen. func.: ogf

$$-(64388688 f(x) + 47995405)$$

$$(f(x)\,x^{4}-58 f(x)\,x^{2}+x^{3}-28x^{2}+f(x)-29x-28)$$

Sequence: A042622
Score: 6.23345
Type of gen. func.: lgdogf

$$-\frac{x^{6}-56x^{5}-29x^{4}-112x^{3}+1679x^{2}+3304x+29}{{}^{3}\quad{}^{2}\qquad{}^{4}\quad{}^{2}}$$

$$(x - 28 x - 29 x - 28) (x - 58 x + 1)$$

Sequence: A042622
Score: 7.66577
Type of gen. func.: ogf

$$- \frac{x^{3} - 28 x^{2} - 29 x - 28}{x^{4} - 58 x^{2} + 1}$$

Sequence: A042623
Score: 10.5543
Type of gen. func.: lgdogf

$$- \frac{2 x^{5} - 3 x^{4} - 4 x^{3} + 58 x^{2} + 114 x + 1}{(x^{2} - x - 1) (x^{4} - 58 x^{2} + 1)}$$

Sequence: A042623
Score: 11.1282
Type of gen. func.: ogf

$$- \frac{x^{2} - x - 1}{x^{4} - 58 x^{2} + 1}$$

Sequence: A042623
Score: 6.32783
Type of gen. func.: ogf

$$(383266 f(x) - 3017) (f(x) x^{4} - 58 f(x) x^{2} + x^{2} + f(x) - x - 1)$$

Sequence: A042624
Score: 11.0511
Type of gen. func.: revogf

$$\frac{-29 - 58 x + (3368 x^{2} + 3368 x + 841)^{1/2}}{}$$

$$2 (x + 1)$$

Sequence: A042624
Score: 11.5108
Type of gen. func.: ogf

$$-\frac{x + 29}{x^2 + 58 x - 1}$$

Sequence: A042624
Score: 14.7348
Type of gen. func.: lgdogf

$$-\frac{x^2 + 58 x + 1683}{(x + 29) (x^2 + 58 x - 1)}$$

Sequence: A042624
Score: 5.94513
Type of gen. func.: ogf

$$(97672 f(x) + 1) (f(x) x^2 + 58 f(x) x - f(x) + x + 29)$$

Sequence: A042624
Score: 6.21847
Type of gen. func.: ogf

$$\{a(n + 2) - 58 a(n + 1) - a(n), a(0) = 29, a(1) = 1683\}$$

Sequence: A042624
Score: 7.41105
Type of gen. func.: lgdogf

$$-\frac{x^2 + 58 x + 1683}{x^3 + 87 x^2 + 1681 x - 29}$$

Sequence: A042625
Score: 13.2530
Type of gen. func.: lgdogf

$$-\frac{-2 x - 58}{-x^2 - 58 x + 1}$$

Sequence: A042625
Score: 16.2890
Type of gen. func.: revogf

$$\frac{-1 - 58 x + (3368 x^2 + 116 x + 1)^{1/2}}{2 x}$$

Sequence: A042625
Score: 19.4897
Type of gen. func.: ogf

$$-\frac{1}{x^2 + 58 x - 1}$$

Sequence: A042625
Score: 29.6163
Type of gen. func.: lgdogf

$$-\frac{2 (x + 29)}{x^2 + 58 x - 1}$$

Sequence: A042625
Score: 7.44549
Type of gen. func.: ogf

$$-(1683 f(x) - 1) (f(x) x^2 + 58 f(x) x - f(x) + 1)$$

Sequence: A042625

Score: 7.88868
Type of gen. func.: ogf

$$\{-a(n + 2) + 58 a(n + 1) + a(n), a(0) = 1, a(1) = 58\}$$

Sequence: A042626
Score: 3.63348
Type of gen. func.: ogf

$$-(233358461087214 f(x) + 6033936593321) (f(x) x^4 - 1684 f(x) x^2 + x^3 - 29 x^2 + f(x) - 842 x - 29)$$

Sequence: A042626
Score: 6.96418
Type of gen. func.: ogf

$$-\frac{x^3 - 29 x^2 - 842 x - 29}{x^4 - 1684 x^2 + 1}$$

Sequence: A042627
Score: 5.39796
Type of gen. func.: ogf

$$-(9545484562 f(x) + 3367) (f(x) x^4 - 1684 f(x) x^2 + x^2 + f(x) - 29 x - 1)$$

Sequence: A042627
Score: 8.43492
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 87 x^4 - 4 x^3 + 48836 x^2 + 3366 x + 29}{(x^2 - 29 x - 1) (x^4 - 1684 x^2 + 1)}$$

Sequence: A042627
Score: 9.99951
Type of gen. func.: ogf

$$-\frac{x^2 - 29 x - 1}{x^4 - 1684 x^2 + 1}$$

Sequence: A042631
Score: 6.02491
Type of gen. func.: ogf

$$-\frac{x^8 - 14 x^7 + 15 x^6 - 29 x^5 + 421 x^4 + 29 x^3 + 15 x^2 + 14 x + 1}{x^{10} + 24476 x^5 - 1}$$

Sequence: A042640
Score: 4.88550
Type of gen. func.: ogf

$$-\frac{x^7 - 29 x^6 + 175 x^5 - 379 x^4 - 2449 x^3 - 379 x^2 - 175 x - 29}{(x^4 + 70 x^2 + 1) (x^4 - 70 x^2 + 1)}$$

Sequence: A042641
Score: 7.01842
Type of gen. func.: ogf

$$-\frac{(x^2 - 6 x - 1) (x^4 + 14 x^2 + 1)}{(x^4 + 70 x^2 + 1) (x^4 - 70 x^2 + 1)}$$

Sequence: A042650
Score: 4.98781
Type of gen. func.: ogf

$$-\frac{x^7 - 29 x^6 + 117 x^5 - 731 x^4 - 3041 x^3 - 731 x^2 - 117 x - 29}{(x^4 + 78 x^2 + 1) (x^4 - 78 x^2 + 1)}$$

Sequence: A042651

Score: 7.13559
Type of gen. func.: ogf

$$-\frac{(x^2-4x-1)(x^4+26x^2+1)}{(x^4+78x^2+1)(x^4-78x^2+1)}$$

Sequence: A042656
Score: 4.92525
Type of gen. func.: ogf

$$-\frac{x^7-29x^6+88x^5-205x^4-703x^3-205x^2-88x-29}{x^8-1406x^4+1}$$

Sequence: A042657
Score: 7.58586
Type of gen. func.: ogf

$$-\frac{(x^2-3x-1)(x^4+8x^2+1)}{x^8-1406x^4+1}$$

Sequence: A042660
Score: 5.06454
Type of gen. func.: ogf

$$-\frac{x^7-29x^6+88x^5-1261x^4-3871x^3-1261x^2-88x-29}{(x^4+88x^2+1)(x^4-88x^2+1)}$$

Sequence: A042661
Score: 6.58436
Type of gen. func.: ogf

$$-\frac{(x^2-3x-1)(x^4+44x^2+1)}{(x^4+88x^2+1)(x^4-88x^2+1)}$$

Sequence: A042680
Score: 4.13915
Type of gen. func.: ogf

$$-(2834239020 f(x) + 1059739591)$$

$$(f(x) x^{4} - 118 f(x) x^{2} + x^{3} - 29 x^{2} + f(x) - 59 x - 29)$$

Sequence: A042680
Score: 6.24672
Type of gen. func.: lgdogf

$$-\frac{x^{6} - 58 x^{5} - 59 x^{4} - 116 x^{3} + 6959 x^{2} + 6902 x + 59}{(x + 1) (x^{2} - 30 x - 29) (x^{4} - 118 x^{2} + 1)}$$

Sequence: A042680
Score: 7.56871
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^{2} - 30 x - 29)}{x^{4} - 118 x^{2} + 1}$$

Sequence: A042681
Score: 10.5817
Type of gen. func.: lgdogf

$$-\frac{2 (x + 1) (x^{4} - 4 x^{3} + 2 x^{2} + 116 x + 1)}{(x^{2} - 2 x - 1) (x^{4} - 118 x^{2} + 1)}$$

Sequence: A042681
Score: 11.3228
Type of gen. func.: ogf

```
   2
  x  - 2 x - 1
- -------------
   4        2
```

$$x - 118 x + 1$$

Sequence: A042681
Score: 6.12888
Type of gen. func.: ogf

$$-(3257746 f(x) - 12509) (f(x) x^4 - 118 f(x) x^2 + x^2 + f(x) - 2 x - 1)$$

Sequence: A042700
Score: 5.33642
Type of gen. func.: ogf

$$- \frac{x^7 - 29 x^6 + 30 x^5 - 59 x^4 - 89 x^3 - 59 x^2 - 30 x - 29}{x^8 - 178 x^4 + 1}$$

Sequence: A042701
Score: 8.14905
Type of gen. func.: ogf

$$- \frac{(x^2 - x - 1) (x^4 + 3 x^2 + 1)}{x^8 - 178 x^4 + 1}$$

Sequence: A042710
Score: 5.54654
Type of gen. func.: ogf

$$- \frac{x^7 - 29 x^6 + 30 x^5 - 89 x^4 - 119 x^3 - 89 x^2 - 30 x - 29}{x^8 - 238 x^4 + 1}$$

Sequence: A042711
Score: 7.87673
Type of gen. func.: ogf

$$- \frac{(x^2 - x - 1) (x^4 + 4 x^2 + 1)}{}$$

$$x^8 - 238 x^4 + 1$$

Sequence: A042716
Score: 5.11144
Type of gen. func.: ogf

$$-\frac{x^7 - 29 x^6 + 30 x^5 - 119 x^4 - 149 x^3 - 119 x^2 - 30 x - 29}{x^8 - 298 x^4 + 1}$$

Sequence: A042717
Score: 8.16315
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1) (x^4 + 5 x^2 + 1)}{x^8 - 298 x^4 + 1}$$

Sequence: A042720
Score: 4.75469
Type of gen. func.: ogf

$$-\frac{x^7 - 29 x^6 + 30 x^5 - 149 x^4 - 179 x^3 - 149 x^2 - 30 x - 29}{x^8 - 358 x^4 + 1}$$

Sequence: A042721
Score: 8.41378
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1) (x^4 + 6 x^2 + 1)}{x^8 - 358 x^4 + 1}$$

Sequence: A042728
Score: 5.05701
Type of gen. func.: ogf

$$-\frac{x^7 - 29 x^6 + 30 x^5 - 269 x^4 - 299 x^3 - 269 x^2 - 30 x - 29}{x^8 - 598 x^4 + 1}$$

Sequence: A042729
Score: 7.53060
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1) (x^4 + 10 x^2 + 1)}{x^8 - 598 x^4 + 1}$$

Sequence: A042730
Score: 6.93260
Type of gen. func.: ogf

$$-\frac{x^7 - 29 x^6 + 30 x^5 - 329 x^4 - 359 x^3 - 329 x^2 - 30 x - 29}{x^8 - 718 x^4 + 1}$$

Sequence: A042731
Score: 7.53941
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1) (x^4 + 12 x^2 + 1)}{x^8 - 718 x^4 + 1}$$

Sequence: A042732
Score: 7.13396
Type of gen. func.: ogf

$$-\frac{x^7 - 29 x^6 + 30 x^5 - 419 x^4 - 449 x^3 - 419 x^2 - 30 x - 29}{(x^4 - 30 x^2 + 1) (x^4 + 30 x^2 + 1)}$$

Sequence: A042733
Score: 7.74227
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + 15 x^2 + 1)}{(x^4 - 30 x^2 + 1)(x^4 + 30 x^2 + 1)}$$

Sequence: A042734
Score: 6.51928
Type of gen. func.: ogf

$$-\frac{x^7 - 29 x^6 + 30 x^5 - 569 x^4 - 599 x^3 - 569 x^2 - 30 x - 29}{x^8 - 1198 x^4 + 1}$$

Sequence: A042735
Score: 7.42616
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + 20 x^2 + 1)}{x^8 - 1198 x^4 + 1}$$

Sequence: A042736
Score: 6.19975
Type of gen. func.: ogf

$$-\frac{x^7 - 29 x^6 + 30 x^5 - 869 x^4 - 899 x^3 - 869 x^2 - 30 x - 29}{x^8 - 1798 x^4 + 1}$$

Sequence: A042737
Score: 6.99552
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + 30 x^2 + 1)}{x^8 - 1798 x^4 + 1}$$

Sequence: A042738
Score: 10.7661
Type of gen. func.: ogf

$$-\frac{x^3 - 29 x^2 - 30 x - 29}{x^4 - 60 x^2 + 1}$$

Sequence: A042738
Score: 5.94291
Type of gen. func.: ogf

$$-(381681238 f(x) + 284567605)$$

$$(f(x) x^4 - 60 f(x) x^2 + x^3 - 29 x^2 + f(x) - 30 x - 29)$$

Sequence: A042738
Score: 8.80343
Type of gen. func.: lgdogf

$$-\frac{x^6 - 58 x^5 - 30 x^4 - 116 x^3 + 1797 x^2 + 3538 x + 30}{(x^3 - 29 x^2 - 30 x - 29) (x^4 - 60 x^2 + 1)}$$

Sequence: A042739
Score: 10.6051
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 3 x^4 - 4 x^3 + 60 x^2 + 118 x + 1}{(x^2 - x - 1) (x^4 - 60 x^2 + 1)}$$

Sequence: A042739
Score: 11.1807
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{}$$

$$x^4 - 60 x^2 + 1$$

Sequence: A042739
Score: 6.35768
Type of gen. func.: ogf

$$(424562 f(x) - 3241) (f(x) x^4 - 60 f(x) x^2 + x^2 + f(x) - x - 1)$$

Sequence: A042740
Score: 11.6231
Type of gen. func.: ogf

$$- \frac{x + 30}{x^2 + 60 x - 1}$$

Sequence: A042740
Score: 12.7555
Type of gen. func.: revogf

$$\frac{-15 - 30 x + (901 x^2 + 901 x + 225)^{1/2}}{x + 1}$$

Sequence: A042740
Score: 14.8814
Type of gen. func.: lgdogf

$$- \frac{x^2 + 60 x + 1801}{(x + 30) (x^2 + 60 x - 1)}$$

Sequence: A042740
Score: 5.93788
Type of gen. func.: ogf

$$(108120 f(x) + 1) (f(x) x^2 + 60 f(x) x - f(x) + x + 30)$$

Sequence: A042740
Score: 6.27914
Type of gen. func.: ogf

$$\{a(n+2) - 60\, a(n+1) - a(n),\ a(0) = 30,\ a(1) = 1801\}$$

Sequence: A042740
Score: 7.48336
Type of gen. func.: lgdogf

$$-\frac{x^2 + 60\,x + 1801}{x^3 + 90\,x^2 + 1799\,x - 30}$$

Sequence: A042741
Score: 13.3639
Type of gen. func.: lgdogf

$$-\frac{-2\,x - 60}{-x^2 - 60\,x + 1}$$

Sequence: A042741
Score: 16.4276
Type of gen. func.: revogf

$$\frac{-1 - 60\,x + (3604\,x^2 + 120\,x + 1)^{1/2}}{2\,x}$$

Sequence: A042741
Score: 19.6528
Type of gen. func.: ogf

$$-\frac{1}{x^2 + 60\,x - 1}$$

Sequence: A042741
Score: 29.8684
Type of gen. func.: lgdogf

$$-\frac{2\,(x + 30)}{x^{2} + 60\,x - 1}$$

Sequence: A042741
Score: 7.5078
Type of gen. func.: ogf

$$-(1801\,f(x) - 1)\,(f(x)\,x^{2} + 60\,f(x)\,x - f(x) + 1)$$

Sequence: A042741
Score: 7.95469
Type of gen. func.: ogf

$$\{-a(n + 2) + 60\,a(n + 1) + a(n),\ a(0) = 1,\ a(1) = 60\}$$

Sequence: A042742
Score: 4.90226
Type of gen. func.: ogf

$$-(316505168550120\,f(x) + 7911163914301)\,(f(x)\,x^{4} - 1802\,f(x)\,x^{2} + x^{3} - 30\,x^{2} + f(x) - 901\,x - 30)$$

Sequence: A042742
Score: 9.39600
Type of gen. func.: ogf

$$-\frac{x^{3} - 30\,x^{2} - 901\,x - 30}{x^{4} - 1802\,x^{2} + 1}$$

Sequence: A042743
Score: 10.0904
Type of gen. func.: ogf

$$-\frac{x^2 - 30 x - 1}{x^4 - 1802 x^2 + 1}$$

Sequence: A042743
Score: 5.39925
Type of gen. func.: ogf

$$-(11696421602 f(x) + 3603) (f(x) x^4 - 1802 f(x) x^2 + x^2 + f(x) - 30 x - 1)$$

Sequence: A042743
Score: 8.51302
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 45 x^4 - 2 x^3 + 27030 x^2 + 1801 x + 15)}{(x^2 - 30 x - 1) (x^4 - 1802 x^2 + 1)}$$

Sequence: A042744
Score: 4.09173
Type of gen. func.: ogf

$$-(62675684100120 f(x) + 2349684923101)$$

$$(f(x) x^4 - 1202 f(x) x^2 + x^3 - 30 x^2 + f(x) - 601 x - 30)$$

Sequence: A042744
Score: 7.78564
Type of gen. func.: ogf

$$-\frac{x^3 - 30 x^2 - 601 x - 30}{x^4 - 1202 x^2 + 1}$$

Sequence: A042745
Score: 5.0871
Type of gen. func.: ogf

$$-(3470414402 f(x) - 478397) (f(x) x^4 - 1202 f(x) x^2 + x^2 + f(x) - 20 x - 1)$$

Sequence: A042745
Score: 8.08347
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 30 x^4 - 2 x^3 + 12020 x^2 + 1201 x + 10)}{(x^2 - 20 x - 1) (x^4 - 1202 x^2 + 1)}$$

Sequence: A042745
Score: 9.59043
Type of gen. func.: ogf

$$-\frac{x^2 - 20 x - 1}{x^4 - 1202 x^2 + 1}$$

Sequence: A042746
Score: 4.66206
Type of gen. func.: ogf

$$-(19880462475120 f(x) + 993654562501)$$

$$(f(x) x^4 - 902 f(x) x^2 + x^3 - 30 x^2 + f(x) - 451 x - 30)$$

Sequence: A042746
Score: 8.86448
Type of gen. func.: ogf

$$-\frac{x^3 - 30 x^2 - 451 x - 30}{(x^2 - 30 x - 1) (x^2 + 30 x - 1)}$$

Sequence: A042747
Score: 10.6245
Type of gen. func.: ogf

$$-\frac{x^2 - 15 x - 1}{(x^2 - 30 x - 1) (x^2 + 30 x - 1)}$$

Sequence: A042747
Score: 5.59187
Type of gen. func.: ogf

$$-(1466110802 f(x) - 404097) (f(x) x^4 - 902 f(x) x^2 + x^2 + f(x) - 15 x - 1)$$

Sequence: A042747
Score: 7.82674
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 45 x^4 - 4 x^3 + 13530 x^2 + 1802 x + 15}{(x^2 + 30 x - 1) (x^2 - 30 x - 1) (x^2 - 15 x - 1)}$$

Sequence: A042748
Score: 3.94082
Type of gen. func.: ogf

$$-(8163338652120 f(x) + 509972069341)$$

$$(f(x) x^4 - 722 f(x) x^2 + x^3 - 30 x^2 + f(x) - 361 x - 30)$$

Sequence: A042748
Score: 7.43761
Type of gen. func.: ogf

$$-\frac{x^3 - 30 x^2 - 361 x - 30}{x^4 - 722 x^2 + 1}$$

Sequence: A042749
Score: 10.4356
Type of gen. func.: ogf

$$-\frac{x^2 - 12 x - 1}{x^4 - 722 x^2 + 1}$$

Sequence: A042749
Score: 5.54106
Type of gen. func.: ogf

$$-(751688642 f(x) - 310461) (f(x) x^4 - 722 f(x) x^2 + x^2 + f(x) - 12 x - 1)$$

Sequence: A042749
Score: 9.17622
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 18 x^4 - 2 x^3 + 4332 x^2 + 721 x + 6)}{(x^2 - 12 x - 1) (x^4 - 722 x^2 + 1)}$$

Sequence: A042750
Score: 3.88019
Type of gen. func.: ogf

$$-(3946601250120 f(x) + 295830291901)$$

$$(f(x) x^4 - 602 f(x) x^2 + x^3 - 30 x^2 + f(x) - 301 x - 30)$$

Sequence: A042750
Score: 7.32318
Type of gen. func.: ogf

$$-\frac{x^3 - 30 x^2 - 301 x - 30}{x^4 - 602 x^2 + 1}$$

Sequence: A042751
Score: 10.1523
Type of gen. func.: ogf

$$-\frac{x^2 - 10 x - 1}{x^4 - 602 x^2 + 1}$$

Sequence: A042751
Score: 5.39063
Type of gen. func.: ogf

$$-(435607202 f(x) - 239597) (f(x) x^4 - 602 f(x) x^2 + x^2 + f(x) - 10 x - 1)$$

Sequence: A042751
Score: 8.92250
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 15 x^4 - 2 x^3 + 3010 x^2 + 601 x + 5)}{(x^2 - 10 x - 1) (x^4 - 602 x^2 + 1)}$$

Sequence: A042758
Score: 4.80788
Type of gen. func.: ogf

$$-(516583278120 f(x) + 64512860221)$$

$$(f(x) x^4 - 362 f(x) x^2 + x^3 - 30 x^2 + f(x) - 181 x - 30)$$

Sequence: A042758
Score: 8.93858
Type of gen. func.: ogf

$$-\frac{(x + 5) (x^2 - 35 x - 6)}{x^4 - 362 x^2 + 1}$$

Sequence: A042759
Score: 10.8756
Type of gen. func.: ogf

$$-\frac{x^2 - 6x - 1}{x^4 - 362x^2 + 1}$$

Sequence: A042759
Score: 5.78074
Type of gen. func.: ogf

$$-(94612322 f(x) - 103533) (f(x) x^4 - 362 f(x) x^2 + x^2 + f(x) - 6 x - 1)$$

Sequence: A042759
Score: 9.69386
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 9 x^4 - 2 x^3 + 1086 x^2 + 361 x + 3)}{(x^2 - 6 x - 1) (x^4 - 362 x^2 + 1)}$$

Sequence: A042762
Score: 5.29901
Type of gen. func.: ogf

$$-(250360425120 f(x) + 37512111301)$$

$$(f(x) x^4 - 302 f(x) x^2 + x^3 - 30 x^2 + f(x) - 151 x - 30)$$

Sequence: A042762
Score: 9.85169
Type of gen. func.: ogf

$$-\frac{x^3 - 30 x^2 - 151 x - 30}{x^4 - 302 x^2 + 1}$$

Sequence: A042763
Score: 10.5327
Type of gen. func.: ogf

$$-\frac{x^2 - 5x - 1}{x^4 - 302x^2 + 1}$$

Sequence: A042763
Score: 5.64936
Type of gen. func.: ogf

$$-(54903602 f(x) - 74897) (f(x) x^4 - 302 f(x) x^2 + x^2 + f(x) - 5 x - 1)$$

Sequence: A042763
Score: 9.24043
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 15 x^4 - 4 x^3 + 1510 x^2 + 602 x + 5}{(x^2 - 5 x - 1) (x^4 - 302 x^2 + 1)}$$

Sequence: A042766
Score: 5.02235
Type of gen. func.: ogf

$$- (x^9 - 30 x^8 + 121 x^7 - 393 x^6 + 1300 x^5 + 5593 x^4 + 1300 x^3 + 393 x^2 + 121 x + 30) / (x^{10} + 11186 x^5 - 1)$$

Sequence: A042767
Score: 5.72909
Type of gen. func.: ogf

$$-\frac{x^8 - 4 x^7 + 13 x^6 - 43 x^5 + 185 x^4 + 43 x^3 + 13 x^2 + 4 x + 1}{x^{10} + 11186 x^5 - 1}$$

Sequence: A042768
Score: 5.14574
Type of gen. func.: ogf

$$-(103310388120 f(x) + 19343605981)$$

$$(f(x) x^4 - 242 f(x) x^2 + x^3 - 30 x^2 + f(x) - 121 x - 30)$$

Sequence: A042768
Score: 9.56672
Type of gen. func.: ogf

$$-\frac{x^3 - 30 x^2 - 121 x - 30}{x^4 - 242 x^2 + 1}$$

Sequence: A042769
Score: 10.3976
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 6 x^4 - 2 x^3 + 484 x^2 + 241 x + 2)}{(x^2 - 4 x - 1) (x^4 - 242 x^2 + 1)}$$

Sequence: A042769
Score: 11.4783
Type of gen. func.: ogf

$$-\frac{x^2 - 4 x - 1}{x^4 - 242 x^2 + 1}$$

Sequence: A042769
Score: 6.15655
Type of gen. func.: ogf

$$-(28226882 f(x) - 49853) (f(x) x^4 - 242 f(x) x^2 + x^2 + f(x) - 4 x - 1)$$

Sequence: A042778
Score: 10.3476
Type of gen. func.: ogf

$$-\frac{x^3 - 30 x^2 - 91 x - 30}{x^4 - 182 x^2 + 1}$$

Sequence: A042778
Score: 5.61498
Type of gen. func.: ogf

$$-(33092847120 f(x) + 8257744261)$$

$$(f(x) x^4 - 182 f(x) x^2 + x^3 - 30 x^2 + f(x) - 91 x - 30)$$

Sequence: A042778
Score: 8.28552
Type of gen. func.: lgdogf

$$-\frac{x^6 - 60 x^5 - 91 x^4 - 120 x^3 + 16559 x^2 + 10980 x + 91}{(x^3 - 30 x^2 - 91 x - 30) (x^4 - 182 x^2 + 1)}$$

Sequence: A042779
Score: 11.1404
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 9 x^4 - 4 x^3 + 546 x^2 + 362 x + 3}{(x^2 - 3 x - 1) (x^4 - 182 x^2 + 1)}$$

Sequence: A042779
Score: 12.2876
Type of gen. func.: ogf

$$-\frac{x^2 - 3 x - 1}{x^4 - 182 x^2 + 1}$$

Sequence: A042779
Score: 6.59061
Type of gen. func.: ogf

$$-(11990162 f(x) - 29121) (f(x) x^{4} - 182 f(x) x^{2} + x^{2} + f(x) - 3 x - 1)$$

Sequence: A042784
Score: 4.60449
Type of gen. func.: ogf

$$- (x^{11} - 30 x^{10} + 61 x^{9} - 91 x^{8} + 152 x^{7} - 243 x^{6} - 638 x^{5} - 243 x^{4} - 152 x^{3} - 91 x^{2} - 61 x - 30) / (x^{12} - 1276 x^{6} + 1)$$

Sequence: A042785
Score: 5.87727
Type of gen. func.: ogf

$$- \frac{x^{10} - 2 x^{9} + 3 x^{8} - 5 x^{7} + 8 x^{6} - 21 x^{5} - 8 x^{4} - 5 x^{3} - 3 x^{2} - 2 x - 1}{x^{12} - 1276 x^{6} + 1}$$

Sequence: A042788
Score: 5.33751
Type of gen. func.: ogf

$$- (x^{9} - 30 x^{8} + 61 x^{7} - 152 x^{6} + 365 x^{5} + 882 x^{4} + 365 x^{3} + 152 x^{2} + 61 x + 30) / (x^{10} + 1764 x^{5} - 1)$$

Sequence: A042789
Score: 6.35154
Type of gen. func.: ogf

$$- \frac{x^{8} - 2 x^{7} + 5 x^{6} - 12 x^{5} + 29 x^{4} + 12 x^{3} + 5 x^{2} + 2 x + 1}{x^{10} + 1764 x^{5} - 1}$$

Sequence: A042798
Score: 5.31379
Type of gen. func.: ogf

```
-(6698682120 f(x) + 2504926141)

          4             2    3       2
    (f(x) x  - 122 f(x) x  + x  - 30 x  + f(x) - 61 x - 30)
```

Sequence: A042798
Score: 8.05287
Type of gen. func.: lgdogf

```
                6       5       4        3          2
               x  - 60 x  - 61 x  - 120 x  + 7439 x  + 7380 x + 61
             - ----------------------------------------------------
                             2                 4         2
                    (x + 1) (x  - 31 x - 30) (x  - 122 x  + 1)
```

Sequence: A042798
Score: 9.71666
Type of gen. func.: ogf

```
                                          2
                               (x + 1) (x  - 31 x - 30)
                             - ------------------------
                                    4         2
                                   x  - 122 x  + 1
```

Sequence: A042799
Score: 10.6300
Type of gen. func.: lgdogf

```
                                    4      3      2
                      2 (x + 1) (x  - 4 x  + 2 x  + 120 x + 1)
                    - ----------------------------------------
                            2                4         2
                          (x  - 2 x - 1) (x  - 122 x  + 1)
```

Sequence: A042799
Score: 11.3736
Type of gen. func.: ogf

```
                                      2
                                     x  - 2 x - 1
                                   - ---------------
                                      4         2
```

$$x - 122 x + 1$$

Sequence: A042799
Score: 6.3909
Type of gen. func.: ogf

$$(3601442 f(x) - 13421) (f(x) x^{4} - 122 f(x) x^{2} + x^{2} + f(x) - 2 x - 1)$$

Sequence: A042824
Score: 5.07056
Type of gen. func.: ogf

$$- (x^{11} - 30 x^{10} + 31 x^{9} - 92 x^{8} + 215 x^{7} - 522 x^{6} - 737 x^{5} - 522 x^{4} - 215 x^{3} - 92 x^{2} - 31 x - 30) / (x^{12} - 1474 x^{6} + 1)$$

Sequence: A042825
Score: 5.88947
Type of gen. func.: ogf

$$- \frac{x^{10} - x^{9} + 3 x^{8} - 7 x^{7} + 17 x^{6} - 24 x^{5} - 17 x^{4} - 7 x^{3} - 3 x^{2} - x - 1}{x^{12} - 1474 x^{6} + 1}$$

Sequence: A042856
Score: 6.94079
Type of gen. func.: ogf

$$- \frac{x^{7} - 30 x^{6} + 31 x^{5} - 929 x^{4} - 960 x^{3} - 929 x^{2} - 31 x - 30}{x^{8} - 1920 x^{4} + 1}$$

Sequence: A042857
Score: 7.78922
Type of gen. func.: ogf

$$(x^{2} - x - 1) (x^{4} + 31 x^{2} + 1)$$

$$-\frac{}{x^{8} - 1920 x^{4} + 1}$$

Sequence: A042858
Score: 10.8544
Type of gen. func.: ogf

$$-\frac{x^{3} - 30 x^{2} - 31 x - 30}{(x^{2} - 8 x + 1) (x^{2} + 8 x + 1)}$$

Sequence: A042858
Score: 5.99162
Type of gen. func.: ogf

$-(449973120 f(x) + 335551621)$

$$(f(x) x^{4} - 62 f(x) x^{2} + x^{3} - 30 x^{2} + f(x) - 31 x - 30)$$

Sequence: A042858
Score: 8.00841
Type of gen. func.: lgdogf

$$-\frac{x^{6} - 60 x^{5} - 31 x^{4} - 120 x^{3} + 1919 x^{2} + 3780 x + 31}{(x^{2} - 8 x + 1) (x^{2} + 8 x + 1) (x^{3} - 30 x^{2} - 31 x - 30)}$$

Sequence: A042859
Score: 10.2587
Type of gen. func.: lgdogf

$$-\frac{2 x^{5} - 3 x^{4} - 4 x^{3} + 62 x^{2} + 122 x + 1}{(x^{2} - 8 x + 1) (x^{2} + 8 x + 1) (x^{2} - x - 1)}$$

Sequence: A042859
Score: 12.4174
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{(x^2 - 8x + 1)(x^2 + 8x + 1)}$$

Sequence: A042859
Score: 7.06091
Type of gen. func.: ogf

$$(468722 f(x) - 3473) (f(x) x^4 - 62 f(x) x^2 + x^2 + f(x) - x - 1)$$

Sequence: A042860
Score: 13.1453
Type of gen. func.: revogf

$$\frac{-31 - 62 x + (3848 x^2 + 3848 x + 961)^{1/2}}{2 (x + 1)}$$

Sequence: A042860
Score: 13.6555
Type of gen. func.: ogf

$$-\frac{x + 31}{x^2 + 62 x - 1}$$

Sequence: A042860
Score: 17.5271
Type of gen. func.: lgdogf

$$-\frac{x^2 + 62 x + 1923}{(x + 31) (x^2 + 62 x - 1)}$$

Sequence: A042860
Score: 6.97617
Type of gen. func.: ogf

$$(119288 f(x) + 1) (f(x) x^2 + 62 f(x) x - f(x) + x + 31)$$

Sequence: A042860
Score: 7.37710
Type of gen. func.: ogf

$$\{a(n + 2) - 62 a(n + 1) - a(n), a(0) = 31, a(1) = 1923\}$$

Sequence: A042860
Score: 8.79189
Type of gen. func.: lgdogf

$$- \frac{x^2 + 62 x + 1923}{x^3 + 93 x^2 + 1921 x - 31}$$

Sequence: A042861
Score: 13.4193
Type of gen. func.: lgdogf

$$- \frac{-2 x - 62}{-x^2 - 62 x + 1}$$

Sequence: A042861
Score: 16.4969
Type of gen. func.: revogf

$$\frac{-1 - 62 x + (3848 x^2 + 124 x + 1)^{1/2}}{2 x}$$

Sequence: A042861
Score: 19.7343
Type of gen. func.: ogf

$$- \frac{1}{x^2 + 62 x - 1}$$

Sequence: A042861
Score: 29.9944
Type of gen. func.: lgdogf

$$-\frac{2\,(x + 31)}{x^2 + 62\,x - 1}$$

Sequence: A042861
Score: 7.53895
Type of gen. func.: ogf

$$-(1923\,f(x) - 1)\,(f(x)\,x^2 + 62\,f(x)\,x - f(x) + 1)$$

Sequence: A042861
Score: 7.98770
Type of gen. func.: ogf

$$\{-a(n + 2) + 62\,a(n + 1) + a(n),\ a(0) = 1,\ a(1) = 62\}$$

Sequence: A042862
Score: 4.90688
Type of gen. func.: ogf

$$-(425017841708106\,f(x) + 10280906389601)$$

$$(f(x)\,x^4 - 1924\,f(x)\,x^2 + x^3 - 31\,x^2 + f(x) - 962\,x - 31)$$

Sequence: A042862
Score: 9.47301
Type of gen. func.: ogf

$$-\frac{x^3 - 31\,x^2 - 962\,x - 31}{x^4 - 1924\,x^2 + 1}$$

Sequence: A042863

Score: 10.1359
Type of gen. func.: ogf

$$-\frac{x^2 - 31 x - 1}{x^4 - 1924 x^2 + 1}$$

Sequence: A042863
Score: 5.42357
Type of gen. func.: ogf

$$-(14237022802 f(x) + 3847) (f(x) x^4 - 1924 f(x) x^2 + x^2 + f(x) - 31 x - 1)$$

Sequence: A042863
Score: 8.55207
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 93 x^4 - 4 x^3 + 59644 x^2 + 3846 x + 31}{(x^2 - 31 x - 1) (x^4 - 1924 x^2 + 1)}$$

Sequence: A042867
Score: 6.12969
Type of gen. func.: ogf

$$-\frac{x^8 - 15 x^7 + 16 x^6 - 31 x^5 + 481 x^4 + 31 x^3 + 16 x^2 + 15 x + 1}{x^{10} + 29884 x^5 - 1}$$

Sequence: A042886
Score: 5.69984
Type of gen. func.: ogf

$$-\frac{x^7 - 31 x^6 + 125 x^5 - 281 x^4 - 1249 x^3 - 281 x^2 - 125 x - 31}{(x^4 - 50 x^2 + 1) (x^4 + 50 x^2 + 1)}$$

Sequence: A042887
Score: 8.09159
Type of gen. func.: ogf

$$-\frac{(x^2-4x-1)(x^4+10x^2+1)}{(x^4-50x^2+1)(x^4+50x^2+1)}$$

Sequence: A042901
Score: 5.76010
Type of gen. func.: ogf

$$-(x^{10}-2x^9+3x^8-92x^7+95x^6-282x^5-95x^4-92x^3-3x^2-2x-1) \Big/ (x^{12}-17674x^6+1)$$

Sequence: A042906
Score: 5.93481
Type of gen. func.: ogf

$$-\frac{x^9-31x^8+63x^7-94x^6+157x^5+408x^4+157x^3+94x^2+63x+31}{x^{10}+816x^5-1}$$

Sequence: A042907
Score: 7.01500
Type of gen. func.: ogf

$$-\frac{x^8-2x^7+3x^6-5x^5+13x^4+5x^3+3x^2+2x+1}{x^{10}+816x^5-1}$$

Sequence: A042908
Score: 7.83365
Type of gen. func.: ogf

$$-\frac{x^5-31x^4+63x^3+157x^2+63x+31}{x^6+314x^3-1}$$

Sequence: A042909
Score: 9.86635
Type of gen. func.: ogf

$$-\frac{x^4 - 2x^3 + 5x^2 + 2x + 1}{x^6 + 314x^3 - 1}$$

Sequence: A042910
Score: 6.99013
Type of gen. func.: ogf

$$-\frac{(x + 1)(x^6 - 32x^5 + 95x^4 - 252x^3 - 125x^2 - 32x - 31)}{x^8 - 754x^4 + 1}$$

Sequence: A042911
Score: 7.73786
Type of gen. func.: ogf

$$-\frac{(x^2 - 2x - 1)(x^4 + 6x^2 + 1)}{x^8 - 754x^4 + 1}$$

Sequence: A042916
Score: 6.22743
Type of gen. func.: ogf

$$-\frac{(x + 1)(x^6 - 32x^5 + 95x^4 - 504x^3 - 377x^2 - 32x - 31)}{(x^4 - 42x^2 + 1)(x^4 + 42x^2 + 1)}$$

Sequence: A042917
Score: 7.69020
Type of gen. func.: ogf

2 4 2

$$-\frac{(x - 2x - 1)(x + 14x + 1)}{(x^4 - 42x^2 + 1)(x^4 + 42x^2 + 1)}$$

Sequence: A042920
Score: 5.3368
Type of gen. func.: ogf

$$-(3936750016 f(x) + 1472256449)$$

$$(f(x) x^4 - 126 f(x) x^2 + x^3 - 31 x^2 + f(x) - 63 x - 31)$$

Sequence: A042920
Score: 8.08834
Type of gen. func.: lgdogf

$$-\frac{x^6 - 62x^5 - 63x^4 - 124x^3 + 7935x^2 + 7874x + 63}{(x + 1)(x^2 - 32x - 31)(x^4 - 126x^2 + 1)}$$

Sequence: A042920
Score: 9.75871
Type of gen. func.: ogf

$$-\frac{(x + 1)(x^2 - 32x - 31)}{x^4 - 126x^2 + 1}$$

Sequence: A042921
Score: 10.7266
Type of gen. func.: lgdogf

$$-\frac{2(x + 1)(x^4 - 4x^3 + 2x^2 + 124x + 1)}{(x^2 - 2x - 1)(x^4 - 126x^2 + 1)}$$

Sequence: A042921
Score: 11.4752
Type of gen. func.: ogf

$$-\frac{x^2 - 2x - 1}{x^4 - 126x^2 + 1}$$

Sequence: A042921
Score: 6.21133
Type of gen. func.: ogf

$$-(3968498 f(x) - 14365)(f(x) x^4 - 126 f(x) x^2 + x^2 + f(x) - 2x - 1)$$

Sequence: A042923
Score: 5.69546
Type of gen. func.: ogf

$$-\frac{(x^6 - 42x^3 - 1)(x^4 - x^3 + 2x^2 + x + 1)}{x^{12} - 5294x^6 + 1}$$

Sequence: A042924
Score: 4.84950
Type of gen. func.: ogf

$$-(x^{11} - 31x^{10} + 32x^9 - 63x^8 + 536x^7 - 599x^6 - 1135x^5 - 599x^4 - 536x^3 - 63x^2 - 32x - 31) / (x^{12} - 2270x^6 + 1)$$

Sequence: A042925
Score: 5.63563
Type of gen. func.: ogf

$$-\frac{(x^6 - 18x^3 - 1)(x^4 - x^3 + 2x^2 + x + 1)}{x^{12} - 2270x^6 + 1}$$

Sequence: A042940

Score: 10.2176
Type of gen. func.: lgdogf

$$-36 + 400 x + (160 x^2 - 48 x + 2) f(x) + (16 x^3 - 8 x^2 + x) f(x)^2$$

Sequence: A042940
Score: 3.14068
Type of gen. func.: ogf

$$\{(-16 n^2 - 200 n - 624) a(n + 1) + (8 n^2 + 82 n + 186) a(n + 2) + (-n^2 - 8 n - 15) a(n + 3), a(0) = 1, a(1) = 18, a(2) = 197\}$$

Sequence: A042940
Score: 7.78889
Type of gen. func.: lgdogf

$$\frac{-\frac{20 x - 1}{(-1 + 4 x)^{1/2}} + I}{x (-1 + 4 x)^{1/2}}$$

Sequence: A042941
Score: 6.56895
Type of gen. func.: lgdogf

$$\frac{-\frac{28 x - 1}{2 (-1 + 4 x)^{1/2}} + 1/2 I}{x (-1 + 4 x)^{1/2}}$$

Sequence: A042941
Score: 9.52214
Type of gen. func.: lgdogf

$$-13 + 196 x + (112 x^2 - 32 x + 1) f(x) + (16 x^3 - 8 x^2 + x) f(x)^2$$

Sequence: A042948
Score: 10.3940
Type of gen. func.: lgdogf

$$-\frac{-6 x^2 - 6 x - 4}{-3 x^3 - x^2 + 3 x + 1}$$

Sequence: A042948
Score: 11.6705
Type of gen. func.: ogf

$$\frac{x (3 x + 1)}{(x + 1) (x - 1)^2}$$

Sequence: A042948
Score: 18.1443
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^2 + 3 x + 2)}{(x - 1) (3 x + 1) (x + 1)}$$

Sequence: A042948
Score: 5.99295
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 4}

Sequence: A042948
Score: 6.04743
Type of gen. func.: ogf

$$(32 f(x) + 341) (f(x) x^3 - f(x) x^2 - f(x) x - 3 x^2 + f(x) - x)$$

Sequence: A042950
Score: 10.5381
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1), a(0) = 2, a(1) = 3\}$$

Sequence: A042950
Score: 16.8609
Type of gen. func.: ogf

$$-2 f(x) x + f(x) + x - 2$$

Sequence: A042950
Score: 20.5066
Type of gen. func.: ogf

$$\frac{x - 2}{2 x - 1}$$

Sequence: A042950
Score: 21.0762
Type of gen. func.: lgdogf

$$-\frac{3}{-2 x^2 + 5 x - 2}$$

Sequence: A042950
Score: 36.8463
Type of gen. func.: revogf

$$1 + x - (x^2 + x + 1)^{1/2}$$

Sequence: A042950
Score: 46.6720
Type of gen. func.: lgdogf

$$\frac{3}{(2 x - 1) (x - 2)}$$

Sequence: A042962

Score: 12.8338
Type of gen. func.: ogf_with_Euler_transform]

$$x^{23} + x^{11} + x^{5} + x^{2} + x + 1$$

Sequence: A042963
Score: 11.0366
Type of gen. func.: ogf

$$\frac{2 x^{2} + x + 1}{(x + 1) (x - 1)^{2}}$$

Sequence: A042963
Score: 14.9364
Type of gen. func.: lgdogf

$$- \frac{2 (x^{3} + 2 x^{2} + 4 x + 1)}{(x - 1) (x + 1) (2 x^{2} + x + 1)}$$

Sequence: A042963
Score: 6.01099
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A042963
Score: 8.41539
Type of gen. func.: lgdogf

$$- \frac{2 x^{3} + 4 x^{2} + 8 x + 2}{2 x^{4} + x^{3} - x^{2} - x - 1}$$

Sequence: A042963
Score: 8.49699
Type of gen. func.: ogf

$$(64 f(x) + 495) (f(x) x^3 - f(x) x^2 - f(x) x - 2 x^2 + f(x) - x - 1)$$

Sequence: A042964
Score: 10.6571
Type of gen. func.: lgdogf

$$- \frac{-x^3 - 3 x^2 - 9 x - 3}{-x^4 - x^3 - x^2 + x + 2}$$

Sequence: A042964
Score: 13.9766
Type of gen. func.: ogf

$$\frac{x^2 + x + 2}{(x + 1) (x - 1)^2}$$

Sequence: A042964
Score: 20.8984
Type of gen. func.: lgdogf

$$- \frac{x^3 + 3 x^2 + 9 x + 3}{(x - 1) (x + 1) (x^2 + x + 2)}$$

Sequence: A042964
Score: 7.47869
Type of gen. func.: ogf

$$(32 f(x) + 251) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - x - 2)$$

Sequence: A042964
Score: 7.61223
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 3, a(2) = 6\}$$

Sequence: A042965
Score: 12.0374
Type of gen. func.: lgdogf

$$-\frac{-2x^3-5x^2-2x-3}{-x^4-x^3+x+1}$$

Sequence: A042965
Score: 13.3338
Type of gen. func.: ogf

$$\frac{x(x+1)^2}{(x^2+x+1)(x-1)^2}$$

Sequence: A042965
Score: 20.3321
Type of gen. func.: lgdogf

$$-\frac{2x^3+5x^2+2x+3}{(x-1)(x+1)(x^2+x+1)}$$

Sequence: A042965
Score: 29.7848
Type of gen. func.: egf]_with_Euler_transform]

$$3-2x+1/2\,x^2$$

Sequence: A042965
Score: 5.31714
Type of gen. func.: ogf

{(-n - 3) a(n + 1) - a(n + 2) - a(n + 3) + (n + 2) a(n + 4), a(0) = 0, a(1) = 1,

a(2) = 3, a(3) = 4}

Sequence: A042965
Score: 7.22244
Type of gen. func.: ogf

$$-(f(x) - 10) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 2 x^2 + f(x) - x)$$

Sequence: A042968
Score: 14.4164
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 1)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A042968
Score: 16.2893
Type of gen. func.: lgdogf

$$-\frac{x^5 + 3 x^4 + 5 x^3 + 9 x^2 + 4 x + 2}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A042968
Score: 34.1978
Type of gen. func.: ogf_with_Euler_transform]

$$-x^3 + x^2 + 2$$

Sequence: A042968
Score: 6.06544
Type of gen. func.: ogf

$\{(-2 n - 7) a(n + 1) - 2 a(n + 2) - 2 a(n + 3) + (2 n + 5) a(n + 4), a(0) = 1,$

$a(1) = 2, a(2) = 3, a(3) = 5\}$

Sequence: A042968
Score: 8.28943
Type of gen. func.: ogf

$$(4 f(x) + 27) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - x^2 + f(x) - x - 1)$$

Sequence: A042968
Score: 9.56473
Type of gen. func.: lgdogf

$$- \frac{x^5 + 3 x^4 + 5 x^3 + 9 x^2 + 4 x + 2}{x^6 + x^5 + x^4 - x^2 - x - 1}$$

Sequence: A042984
Score: 12.2328
Type of gen. func.: lgdogf

$$- \frac{2 x^4 - 5 x^3 - 21 x^2 + 19 x + 11}{(x - 1) (x^4 - 3 x^3 - 3 x^2 + 5 x + 1)}$$

Sequence: A042984
Score: 7.07651
Type of gen. func.: ogf

$$\frac{x^4 - 3 x^3 - 3 x^2 + 5 x + 1}{(x - 1)^6}$$

Sequence: A042984
Score: 8.08744
Type of gen. func.: lgdogf

$$- \frac{-2 x^4 + 5 x^3 + 21 x^2 - 19 x - 11}{-x^5 + 4 x^4 - 8 x^2 + 4 x + 1}$$

Sequence: A042985
Score: 10.2176
Type of gen. func.: lgdogf

$$-17 + 324 x + (144 x^2 - 40 x + 1) f(x) + (16 x^3 - 8 x^2 + x) f(x)^2$$

Sequence: A042985
Score: 3.14068
Type of gen. func.: ogf

$$\{(-16 n^2 - 184 n - 528) a(n + 1) + (8 n^2 + 74 n + 150) a(n + 2) + (-n^2 - 7 n - 12) a(n + 3), a(0) = 1, a(1) = 17, a(2) = 178\}$$

Sequence: A042985
Score: 7.03816
Type of gen. func.: lgdogf

$$\frac{- \frac{36 x - 1}{2 (-1 + 4 x)^{1/2}} + 1/2 I}{x (-1 + 4 x)^{1/2}}$$

Sequence: A043095
Score: 26.2874
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9 + x^8 + 2$$

Sequence: A043095
Score: 6.22141
Type of gen. func.: ogf

$$\frac{x (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A043096
Score: 25.4112
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{10} + x^{9} + 2$$

Sequence: A043096
Score: 5.75364
Type of gen. func.: ogf

$$\frac{x\,(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}{(x + 1)\,(x^{4} + x^{3} + x^{2} + x + 1)\,(x^{4} - x^{3} + x^{2} - x + 1)\,(x - 1)^{2}}$$

Sequence: A043119
Score: 4.53246
Type of gen. func.: ogf

$$- 4\,(x^{12} - 4\,x^{11} - 5\,x^{10} - 4\,x^{9} - 6\,x^{8} - 3\,x^{7} - 5\,x^{6} - 4\,x^{5} - 5\,x^{4} - 4\,x^{3} - 5\,x^{2} - 4\,x - 6) \Big/ \left((x + 1)\,(x^{2} + 1)\,(x^{2} + x + 1)\,(x^{2} - x + 1)\,(x^{4} - x^{2} + 1)\,(x - 1)^{2}\right)$$

Sequence: A043130
Score: 4.86556
Type of gen. func.: ogf

$$(2\,x^{11} + 10\,x^{10} + 31\,x^{9} + 31\,x^{8} + 5\,x^{7} + 31\,x^{6} + 5\,x^{5} + 31\,x^{4} + 5\,x^{3} + 31\,x^{2} + 5\,x + 29) \Big/ \left((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)\,(x - 1)^{2}\right)$$

Sequence: A043284
Score: 7.16057
Type of gen. func.: ogf

$$-\frac{2x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1}{(x-1)(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A043285
Score: 7.99430
Type of gen. func.: ogf

$$-\frac{2x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1}{(x-1)(x^2+x+1)(x+1)(x^2-x+1)(x^2+1)(x^4-x^2+1)}$$

Sequence: A043286
Score: 7.45333
Type of gen. func.: ogf

$$-\frac{2x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1}{(x-1)(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A043287
Score: 5.79905
Type of gen. func.: ogf

$$-(2x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1) \Big/ \left((x^6+x^5+x^4+x^3+x^2+x+1)(x-1)(x+1)(x^6-x^5+x^4-x^3+x^2-x+1)\right)$$

Sequence: A043288
Score: 5.45341
Type of gen. func.: ogf

$$-(2x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1) \Big/ \left((x-1)(x^4+x^3+x^2+x+1)(x^2+x+1)\right.$$

$$(x^{8} - x^{7} + x^{5} - x^{4} + x^{3} - x + 1))$$

Sequence: A043289
Score: 5.14666
Type of gen. func.: ogf

$$- (2 x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) / ((x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1) (x^{8} + 1))$$

Sequence: A043291
Score: 15.3715
Type of gen. func.: ogf

$$\frac{3}{(x - 1) (-1 + 4 x) (x + 1)}$$

Sequence: A043291
Score: 16.2550
Type of gen. func.: lgdogf

$$- \frac{2 (2 x + 1) (3 x - 2)}{(x - 1) (-1 + 4 x) (x + 1)}$$

Sequence: A043291
Score: 5.52836
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) - a(n + 1) + 4 a(n), a(0) = 3, a(1) = 12, a(2) = 51\}$$

Sequence: A043291
Score: 7.14284
Type of gen. func.: ogf

$$-(13 f(x) + 80) (4 f(x) x^{3} - f(x) x^{2} - 4 f(x) x + f(x) - 3)$$

Sequence: A043291
Score: 9.69589
Type of gen. func.: lgdogf

$$-\frac{12 x^2 - 2 x - 4}{4 x^3 - x^2 - 4 x + 1}$$

Sequence: A043301
Score: 13.1927
Type of gen. func.: lgdegf]

$$\frac{-1 - 2 (-2 x + 1)^{1/2}}{2 x - 1}$$

Sequence: A043301
Score: 16.4400
Type of gen. func.: lgdegf]

$$-3 + 8 x + (-2 + 4 x) f(x) + (4 x^2 - 4 x + 1) f(x)^2$$

Sequence: A043301
Score: 24.0728
Type of gen. func.: revegf]

$$-1/8 \ln(2 x + 1) (\ln(2 x + 1) - 4)$$

Sequence: A043301
Score: 3.13252
Type of gen. func.: ogf

$$\{(16 + 8 n) a(n + 1) + (4 n^2 + 22 n + 36) a(n + 2)$$

$$+ (2 n^2 + 13 n + 24) a(n + 3) + (-n - 4) a(n + 4), a(0) = 1, a(1) = 3,$$

$$a(2) = 13, a(3) = 77\}$$

Sequence: A043350

```
Score: 2.84123
Type of gen. func.: ogf_with_Euler_transform]


                                 3    4   13   7        8
                       2 + 1/25 x  - x  - --- x  + 1/5 x
                                          625



------------------------------------------------------------------------------

Sequence:  A043369
Score: 5.74165
Type of gen. func.: ogf


            10    9    8    7    6      5      4      3      2
         5 x   - x  - x  - x  - x  - 7 x  - 6 x  - 6 x  - 6 x  - 6 x - 6
       - ----------------------------------------------------------------
                   4    3    2            4    3    2                 2
         (x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A043393
Score: 4.90342
Type of gen. func.: ogf


      12    11    10    9    8    7      6      5      4      3      2
- (6 x   - x   - x   - x  - x  - x  - 8 x  - 7 x  - 7 x  - 7 x  - 7 x  - 7 x

            /            2        2             2            4    2
     - 7)  /  ((x + 1) (x  + 1) (x  + x + 1) (x  - x + 1) (x  - x  + 1)
          /

           2
    (x - 1) )



------------------------------------------------------------------------------

Sequence:  A043413
Score: 5.03377
Type of gen. func.: ogf


    12      11      10    9    8    7    6      5      4      3      2
(2 x   + 6 x   + 2 x   + x  + x  + x  + x  + 2 x  + 7 x  + 7 x  + 7 x  + 7 x

            /            2        2             2            4    2
     + 5)  /  ((x + 1) (x  + 1) (x  + x + 1) (x  - x + 1) (x  - x  + 1)
          /

           2
    (x - 1) )



------------------------------------------------------------------------------

Sequence:  A043417
Score: 5.03377
Type of gen. func.: ogf


    12    11    10    9    8    7    6      5      4      3      2
```

```
(2 x   + x   + x   + x  + x  + x  + x  + 7 x  + 7 x  + 7 x  + 7 x  + 7 x + 6)

       /            2        2            2            4    2             2
      /  ((x + 1) (x  + 1) (x  + x + 1) (x  - x + 1) (x  - x  + 1) (x - 1) )
     /
```

Sequence: A043453
Score: 3.93340
Type of gen. func.: ogf

```
      16    15    14    13    12    11    10    9       8      7      6      5
- (8 x   - x   - x   - x   - x   - x   - x   - x  - 10 x  - 9 x  - 9 x  - 9 x

          4      3      2              /            2        4        8
     - 9 x  - 9 x  - 9 x  - 9 x - 9)  /  ((x + 1) (x  + 1) (x  + 1) (x  + 1)
                                     /

           2
    (x - 1) )
```

Sequence: A043460
Score: 4.08003
Type of gen. func.: ogf

```
       12       11        10         9          8         7    6      5      4
- (16 x   + 71 x   + 647 x   + 5831 x  + 52487 x  + 7379 x  - x  - 2 x  - 8 x

           3        2                   /              7
     - 72 x  - 648 x  - 5832 x - 820)  /  ((x - 1) (9 x  - 1))
                                      /
```

Sequence: A043469
Score: 3.95501
Type of gen. func.: ogf

```
    16      15      14      13      12    11    10    9      8    7    6    5
(5 x   + 9 x   + 9 x   + 9 x   + 5 x   + x   + x   + x  + 2 x  + x  + x  + x

          4      3      2              /            2        4        8
     + 5 x  + 9 x  + 9 x  + 9 x + 4)  /  ((x + 1) (x  + 1) (x  + 1) (x  + 1)
                                     /

           2
    (x - 1) )
```

Sequence: A043473
Score: 3.95501
Type of gen. func.: ogf

```
    16      15      14      13    12    11      10    9    8    7    6      5
(4 x   + 9 x   + 9 x   + 6 x   + x   + x   + 2 x   + x  + x  + x  + x  + 4 x
```

$$+ 9 x^4 + 9 x^3 + 9 x^2 + 9 x + 5) / ((x + 1) (x^2 + 1) (x^4 + 1) (x^8 + 1) (x - 1)^2)$$

Sequence: A043477
Score: 3.95501
Type of gen. func.: ogf

$$(3 x^{16} + 9 x^{15} + 7 x^{14} + x^{13} + 2 x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + 3 x^6 + 9 x^5 + 9 x^4 + 9 x^3 + 9 x^2 + 9 x + 6) / ((x + 1) (x^2 + 1) (x^4 + 1) (x^8 + 1) (x - 1)^2)$$

Sequence: A043481
Score: 3.95501
Type of gen. func.: ogf

$$(2 x^{16} + 8 x^{15} + 2 x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + 2 x^7 + 9 x^6 + 9 x^5 + 9 x^4 + 9 x^3 + 9 x^2 + 9 x + 7) / ((x + 1) (x^2 + 1) (x^4 + 1) (x^8 + 1) (x - 1)^2)$$

Sequence: A043484
Score: 4.89083
Type of gen. func.: ogf

$$(7382 x^7 + 59049 x^6 + 59049 x^5 + 59049 x^4 + 59049 x^3 + 59049 x^2 + 59049 x + 51660) / ((x - 1) (x^7 - 9))$$

Sequence: A043485
Score: 3.95501
Type of gen. func.: ogf

$$(2x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + 9x^{7} + 9x^{6} + 9x^{5} + 9x^{4} + 9x^{3} + 9x^{2} + 9x + 8) / ((x + 1)(x^{2} + 1)(x^{4} + 1)(x^{8} + 1)(x - 1)^{2})$$

Sequence: A043488
Score: 4.57865
Type of gen. func.: ogf

$$(x^{8} + 59049x^{7} + 59049x^{6} + 59049x^{5} + 59049x^{4} + 59049x^{3} + 59049x^{2} + 59049x + 59040) / ((x - 1)(x^{4} - 3)(x^{4} + 3))$$

Sequence: A043492
Score: 4.39665
Type of gen. func.: ogf

$$-\frac{100000000x^{11} - 110000x^{10} + x^{9} - 100000000x + 10000}{(9x^{10} + 10000x - 1)(x - 1)^{2}}$$

Sequence: A043496
Score: 3.60665
Type of gen. func.: ogf

$$-(18x^{13} + 89x^{12} + 899x^{11} + 8999x^{10} + 89999x^{9} + 11109x^{8} - x^{7} - x^{6} - 2x^{5} - 9x^{4} - 90x^{3} - 900x^{2} - 9000x - 1111) / ((x - 1)(10x^{8} - 1))$$

Sequence: A043520
Score: 4.57865
Type of gen. func.: ogf

$$(22223x^{7} + 100000x^{6} + 100000x^{5} + 100000x^{4} + 100000x^{3} + 100000x^{2} + 100000x + 77770) / ((x - 1)(x^{7} - 10))$$

/

Sequence: A043524
Score: 4.19214
Type of gen. func.: ogf

$$8 (1389 x^8 + 12500 x^7 + 12500 x^6 + 12500 x^5 + 12500 x^4 + 12500 x^3 + 12500 x^2 + 12500 x + 11110) / ((x - 1) (x^8 - 10))$$

Sequence: A043528
Score: 3.93652
Type of gen. func.: ogf

$$(x^9 + 100000 x^8 + 100000 x^7 + 100000 x^6 + 100000 x^5 + 100000 x^4 + 100000 x^3 + 100000 x^2 + 100000 x + 99990) / ((x - 1) (x^9 - 10))$$

Sequence: A043547
Score: 13.5674
Type of gen. func.: ogf

$$\frac{(2 x + 1) (x^2 + 1)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A043547
Score: 16.6346
Type of gen. func.: lgdogf

$$- \frac{2 (x^4 + x^3 + 6 x^2 + 3 x + 1)}{(x - 1) (2 x + 1) (x + 1) (x^2 + 1)}$$

Sequence: A043547
Score: 8.16553
Type of gen. func.: ogf

$$-(96 f(x) - 307) (f(x) x^{4} - 2 f(x) x^{2} - 2 x^{3} - x^{2} + f(x) - 2 x - 1)$$

Sequence: A043553
Score: 11.8674
Type of gen. func.: revogf

$$-\frac{-(10 x + 1)^{(1/3)} + (x + 1)^{(1/3)}}{3 (10 x + 1)^{1/3}}$$

Sequence: A043553
Score: 5.0312
Type of gen. func.: ogf

$$(290 f(x) - 103) (30 f(x) x^{3} - 30 f(x) x^{2} + 10 f(x) x + 3 x^{2} - f(x) - 3 x + 1)$$

Sequence: A043553
Score: 5.11794
Type of gen. func.: ogf

$$\{a(n + 3) - 10 a(n + 2) + 30 a(n + 1) - 30 a(n), a(0) = 1, a(1) = 7, a(2) = 43\}$$

Sequence: A043553
Score: 8.42758
Type of gen. func.: lgdogf

$$-\frac{90 x^{4} - 180 x^{3} + 150 x^{2} - 54 x + 7}{(3 x^{2} - 3 x + 1) (30 x^{3} - 30 x^{2} + 10 x - 1)}$$

Sequence: A043553
Score: 9.27627
Type of gen. func.: ogf

$$-\frac{3 x^{2} - 3 x + 1}{{}^{3}\qquad{}^{2}}$$

$$30 x - 30 x + 10 x - 1$$

Sequence: A043620
Score: 5.28858
Type of gen. func.: ogf

$$-\frac{7 x^{13} - x^{8} + 2450 x^{7} - 8 x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 2451}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A043621
Score: 5.71028
Type of gen. func.: ogf

$$-\frac{17156 x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - 2 x - 17157}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A043622
Score: 4.94376
Type of gen. func.: ogf

$$-\frac{7 x^{13} - x^{8} + 120099 x^{7} - 8 x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 120100}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A043623
Score: 5.70091
Type of gen. func.: ogf

$$-\frac{840699 x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - 2 x - 840700}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A043626
Score: 6.16477
Type of gen. func.: ogf

$$-\frac{519 x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - 2 x - 520}{(x + 1) (x^{2} + 1) (x^{4} + 1) (x - 1)^{2}}$$

Sequence: A043627
Score: 4.96806
Type of gen. func.: ogf

$$-\frac{8 x^{15} - x^{9} + 4160 x^{8} - 9 x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 4161}{(x + 1) (x^{2} + 1) (x^{4} + 1) (x - 1)^{2}}$$

Sequence: A043628
Score: 5.31983
Type of gen. func.: ogf

$$-\frac{33287 x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - 2 x - 33288}{(x + 1) (x^{2} + 1) (x^{4} + 1) (x - 1)^{2}}$$

Sequence: A043630
Score: 5.12165
Type of gen. func.: ogf

$$-\frac{2130439 x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - 2 x - 2130440}{(x + 1) (x^{2} + 1) (x^{4} + 1) (x - 1)^{2}}$$

Sequence: A043632
Score: 5.18017
Type of gen. func.: ogf

$$-\frac{9 x^{17} - x^{10} + 81 x^{9} - 10 x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 82}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A043633

Score: 5.70999
Type of gen. func.: ogf

$$-\frac{737 x^{9} - x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - 2 x - 738}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A043634
Score: 4.58590
Type of gen. func.: ogf

$$-\frac{9 x^{17} - x^{10} + 6642 x^{9} - 10 x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 6643}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A043635
Score: 4.93984
Type of gen. func.: ogf

$$-\frac{59786 x^{9} - x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - 2 x - 59787}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A043637
Score: 4.76708
Type of gen. func.: ogf

$$-\frac{4842755 x^{9} - x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - 2 x - 4842756}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A043639
Score: 4.58302
Type of gen. func.: ogf

$$- (10 x^{19} - x^{11} + 100 x^{10} - 11 x^{9} - x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 101) \Big/ \left((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}\right)$$

Sequence: A043640
Score: 4.89391
Type of gen. func.: ogf

$$-\frac{1009 x^{10} - x^{9} - x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - 2 x - 1010}{(x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A043642
Score: 4.58551
Type of gen. func.: ogf

$$-\frac{101009 x^{10} - x^{9} - x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - 2 x - 101010}{(x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A043644
Score: 4.7141
Type of gen. func.: ogf

$-(51015211611062 + f(x))$

$$(f(x) x^{2} - 2 f(x) x + x^{2} + f(x) + 10101008 x - 10101010)^{2}$$

Sequence: A043645
Score: 5.39039
Type of gen. func.: ogf

$$-\frac{10 x^{11} - x^{10} - x^{9} - x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - 2 x - 11}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A043646
Score: 4.32683
Type of gen. func.: ogf

$$- (11 x^{21} - x^{12} + 121 x^{11} - 12 x^{10} - x^{9} - x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x$$

$$- 122) \Big/ \left((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2\right)$$

)

Sequence: A043647
Score: 4.58590
Type of gen. func.: ogf

$$-\frac{1341 x^{11} - x^{10} - x^9 - x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - 2 x - 1342}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A043649
Score: 4.30477
Type of gen. func.: ogf

$$-\frac{162392 x^{11} - x^{10} - x^9 - x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - 2 x - 162393}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A043651
Score: 5.06259
Type of gen. func.: ogf

$$-\frac{11 x^{12} - x^{11} - x^{10} - x^9 - x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - 2 x - 12}{(x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A043653
Score: 4.31437
Type of gen. func.: ogf

$$-\frac{1739 x^{12} - x^{11} - x^{10} - x^9 - x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - 2 x - 1740}{(x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A043655

Score: 4.05642
Type of gen. func.: ogf

$$-(250571 x^{12} - x^{11} - x^{10} - x^{9} - x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - 2 x - 250572) / ((x + 1) (x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2})$$

Sequence: A043657
Score: 4.77238
Type of gen. func.: ogf

$$-(12 x^{13} - x^{12} - x^{11} - x^{10} - x^{9} - x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - 2 x - 13) / ((x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A043659
Score: 4.07319
Type of gen. func.: ogf

$$-(2209 x^{13} - x^{12} - x^{11} - x^{10} - x^{9} - x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - 2 x - 2210) / ((x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A043662
Score: 4.02416
Type of gen. func.: ogf

$$-(228951007789373658559 f(x) + 2698905516347890617031491762822620) (f(x) x^{2} - 2 f(x) x + f(x) + 4855539 x - 4855540)^{2}$$

Sequence: A043663

Score: 4.51364
Type of gen. func.: ogf

$$-(13x^{14}-x^{13}-x^{12}-x^{11}-x^{10}-x^{9}-x^{8}-x^{7}-x^{6}-x^{5}-x^{4}-x^{3}-x^{2}-2x-14)\Big/\left((x+1)(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x^{6}-x^{5}+x^{4}-x^{3}+x^{2}-x+1)(x-1)^{2}\right)$$

Sequence: A043668
Score: 4.02416
Type of gen. func.: ogf

$$-(216739964027279152573\,f(x)+6207094788123336918599443221891998)\,(f(x)\,x^{2}-2\,f(x)\,x+f(x)+7568148\,x-7568149)^{2}$$

Sequence: A043669
Score: 4.28151
Type of gen. func.: ogf

$$-(14x^{15}-x^{14}-x^{13}-x^{12}-x^{11}-x^{10}-x^{9}-x^{8}-x^{7}-x^{6}-x^{5}-x^{4}-x^{3}-x^{2}-2x-15)\Big/\left((x^{2}+x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{8}-x^{7}+x^{5}-x^{4}+x^{3}-x+1)(x-1)^{2}\right)$$

Sequence: A043670
Score: 3.87011
Type of gen. func.: ogf

$$(x^{19}-226x^{18}+256x^{17}-30x^{16}+225x^{15}-225x^{14}+225x^{3}-226x^{2}+3375x-3390)\Big/\left((x^{17}-x^{2}-15)(x-1)^{2}\right)$$

Sequence: A043676
Score: 3.87011
Type of gen. func.: ogf

$$(x^{20} - 257 x^{19} + 289 x^{18} - 32 x^{17} + 256 x^{16} - 256 x^{15} + 256 x^{3} - 257 x^{2} + 4096 x - 4112) \Big/ ((x^{18} - x^{2} - 16) (x - 1)^{2})$$

Sequence: A043698
Score: 6.05625
Type of gen. func.: ogf

$$- \frac{8 x^{9} - x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - 2 x - 9}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A043699
Score: 10.1326
Type of gen. func.: lgdogf

$$- \frac{2 (x^{5} + 6 x^{4} + 2 x^{3} + 24 x^{2} - 31 x - 6)}{(x^{2} + 1) (x^{2} + 14 x - 1) (x^{2} - 2 x - 1)}$$

Sequence: A043699
Score: 10.2648
Type of gen. func.: ogf

$$\frac{2 x (x^{2} + 1)}{(x^{2} + 14 x - 1) (x^{2} - 2 x - 1)}$$

Sequence: A043699
Score: 4.98575
Type of gen. func.: ogf

$$-(79750 f(x) - 13331)$$

$$(f(x) x^{4} + 12 f(x) x^{3} - 30 f(x) x^{2} - 2 x^{3} - 12 f(x) x + f(x) - 2 x)$$

Sequence: A043700
Score: 5.39039
Type of gen. func.: ogf

$$-\frac{10x^{11}-x^{10}-x^{9}-x^{8}-x^{7}-x^{6}-x^{5}-x^{4}-x^{3}-x^{2}-2x-11}{(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A043701
Score: 5.06259
Type of gen. func.: ogf

$$-\frac{11x^{12}-x^{11}-x^{10}-x^{9}-x^{8}-x^{7}-x^{6}-x^{5}-x^{4}-x^{3}-x^{2}-2x-12}{(x+1)(x^{2}+1)(x^{2}+x+1)(x^{2}-x+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A043702
Score: 4.77238
Type of gen. func.: ogf

$$-(12x^{13}-x^{12}-x^{11}-x^{10}-x^{9}-x^{8}-x^{7}-x^{6}-x^{5}-x^{4}-x^{3}-x^{2}-2x-13)\Big/\left((x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}\right)$$

Sequence: A043703
Score: 4.51364
Type of gen. func.: ogf

$$-(13x^{14}-x^{13}-x^{12}-x^{11}-x^{10}-x^{9}-x^{8}-x^{7}-x^{6}-x^{5}-x^{4}-x^{3}-x^{2}-2x-14)\Big/\left((x+1)(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x^{6}-x^{5}+x^{4}-x^{3}+x^{2}-x+1)(x-1)^{2}\right)$$

Sequence: A043704
Score: 4.28151
Type of gen. func.: ogf

$$-(14 x^{15} - x^{14} - x^{13} - x^{12} - x^{11} - x^{10} - x^{9} - x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - 2 x - 15) / ((x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{8} - x^{7} + x^{5} - x^{4} + x^{3} - x + 1) (x - 1)^{2})$$

Sequence: A043910
Score: 4.89959
Type of gen. func.: ogf

$$(2 x^{11} + 5 x^{10} + 30 x^{9} + 37 x^{8} + 5 x^{7} + 31 x^{6} + 5 x^{5} + 31 x^{4} + 5 x^{3} + 31 x^{2} + 5 x + 29) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A044043
Score: 5.52573
Type of gen. func.: ogf

$$-\frac{x^{2} (2 x^{8} + 4 x^{5} + 4 x^{4} + 3 x^{3} + 3 x^{2} + 5 x + 2)}{2 x^{10} + 4 x^{7} + 3 x^{6} + x^{5} + 2 x^{4} + 3 x^{3} - 1}$$

Sequence: A044102
Score: 100.167
Type of gen. func.: lgdogf

$$-\frac{2}{x - 1}$$

Sequence: A044102
Score: 13.5492
Type of gen. func.: ogf

$$-f(x) x^{2} + 2 f(x) x - f(x) + 36 x$$

Sequence: A044102
Score: 21.3935
Type of gen. func.: ogf

$$\frac{36 x}{(x - 1)^2}$$

Sequence: A044102
Score: 42.1757
Type of gen. func.: revogf

$$\frac{x}{(3 + (9 + x)^{1/2})^2}$$

Sequence: A044102
Score: 9.91405
Type of gen. func.: ogf

{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 36}

Sequence: A044104
Score: 6.38369
Type of gen. func.: ogf

$$- \frac{2 (6 x^7 - 5 x^6 - 18 x^5 - 18 x^4 - 18 x^3 - 18 x^2 - 18 x - 19)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A044105
Score: 6.38369
Type of gen. func.: ogf

$$- \frac{3 (6 x^7 - 5 x^6 - 12 x^5 - 12 x^4 - 12 x^3 - 12 x^2 - 12 x - 13)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A044106
Score: 6.38369
Type of gen. func.: ogf

$$-\frac{4\,(6\,x^{7}-5\,x^{6}-9\,x^{5}-9\,x^{4}-9\,x^{3}-9\,x^{2}-9\,x-10)}{(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)\,(x-1)^{2}}$$

Sequence: A044107
Score: 6.38369
Type of gen. func.: ogf

$$-\frac{30\,x^{7}-25\,x^{6}-36\,x^{5}-36\,x^{4}-36\,x^{3}-36\,x^{2}-36\,x-41}{(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)\,(x-1)^{2}}$$

Sequence: A044110
Score: 5.05780
Type of gen. func.: ogf

$$-4\,(2\,x^{18}-2\,x^{17}-2\,x^{11}+2\,x^{10}-7\,x^{7}-9\,x^{6}-9\,x^{5}-9\,x^{4}-8\,x^{3}-x^{2}-9\,x-2)\,\Big/\,((x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)\,(x-1)^{2})$$

Sequence: A044112
Score: 4.72389
Type of gen. func.: ogf

$$-2\,(5\,x^{20}-5\,x^{19}-5\,x^{13}+5\,x^{12}-13\,x^{7}-18\,x^{6}-18\,x^{5}-18\,x^{4}-11\,x^{3}-7\,x^{2}-18\,x-5)\,\Big/\,((x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)\,(x-1)^{2})$$

Sequence: A044113
Score: 4.72389
Type of gen. func.: ogf

$$-(11\,x^{21}-11\,x^{20}-11\,x^{14}+11\,x^{13}-25\,x^{7}-36\,x^{6}-36\,x^{5}-36\,x^{4}-17\,x^{3}$$

$$- 19 x^{2} - 36 x - 11) / ((x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A044116
Score: 5.02389
Type of gen. func.: ogf

$$- 2 (6 x^{21} - 6 x^{20} - 6 x^{15} + 6 x^{14} - 11 x^{6} - 18 x^{5} - 18 x^{4} - 19 x^{3} - 17 x^{2}$$

$$- 18 x - 7) / ((x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x - 1)^{2})$$

Sequence: A044138
Score: 102.029
Type of gen. func.: lgdogf

$$- \frac{2}{x - 1}$$

Sequence: A044138
Score: 13.8605
Type of gen. func.: ogf

$$-f(x) x^{2} + 2 f(x) x - f(x) + 49$$

Sequence: A044138
Score: 24.4598
Type of gen. func.: ogf

$$\frac{49}{(x - 1)^{2}}$$

Sequence: A044138
Score: 34.0097
Type of gen. func.: revogf

$$\frac{4 x}{}$$

$$\left(7 + (49 + 4 x)^{1/2}\right)^{2}$$

Sequence: A044138
Score: 9.90038
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 49, a(1) = 98\}$$

Sequence: A044139
Score: 6.08983
Type of gen. func.: ogf

$$-\frac{7 x^{8} - 6 x^{7} - 49 x^{6} - 49 x^{5} - 49 x^{4} - 49 x^{3} - 49 x^{2} - 49 x - 50}{(x + 1) (x^{2} + 1) (x^{4} + 1) (x - 1)^{2}}$$

Sequence: A044140
Score: 6.01828
Type of gen. func.: ogf

$$-\frac{14 x^{8} - 12 x^{7} - 49 x^{6} - 49 x^{5} - 49 x^{4} - 49 x^{3} - 49 x^{2} - 49 x - 51}{(x + 1) (x^{2} + 1) (x^{4} + 1) (x - 1)^{2}}$$

Sequence: A044141
Score: 6.01828
Type of gen. func.: ogf

$$-\frac{21 x^{8} - 18 x^{7} - 49 x^{6} - 49 x^{5} - 49 x^{4} - 49 x^{3} - 49 x^{2} - 49 x - 52}{(x + 1) (x^{2} + 1) (x^{4} + 1) (x - 1)^{2}}$$

Sequence: A044142
Score: 6.01828
Type of gen. func.: ogf

$$-\frac{28 x^{8} - 24 x^{7} - 49 x^{6} - 49 x^{5} - 49 x^{4} - 49 x^{3} - 49 x^{2} - 49 x - 53}{}$$

$$(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2$$

Sequence: A044143
Score: 6.01828
Type of gen. func.: ogf

$$- \frac{35 x^8 - 30 x^7 - 49 x^6 - 49 x^5 - 49 x^4 - 49 x^3 - 49 x^2 - 49 x - 54}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A044144
Score: 6.01828
Type of gen. func.: ogf

$$- \frac{42 x^8 - 36 x^7 - 49 x^6 - 49 x^5 - 49 x^4 - 49 x^3 - 49 x^2 - 49 x - 55}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A044145
Score: 5.08896
Type of gen. func.: ogf

$$- \frac{7 (7 x^{15} + x^9 - 9 x^8 - 5 x^7 - 7 x^6 - 7 x^5 - 7 x^4 - 7 x^3 - 8 x^2 - 6 x - 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A044146
Score: 4.81195
Type of gen. func.: ogf

$$- (7 x^{16} - 7 x^{15} - 7 x^9 + 7 x^8 - 41 x^7 - 49 x^6 - 49 x^5 - 49 x^4 - 49 x^3 - 50 x^2 - 48 x - 8) \Big/ ((x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A044147
Score: 4.54914
Type of gen. func.: ogf

$$-(9x^{20} - 9x^{19} - 9x^{12} + 9x^{11} - 40x^{8} - 49x^{7} - 49x^{6} - 49x^{5} - 49x^{4} - 44x^{3} - 5x^{2} - 49x - 9) \Big/ ((x+1)(x^{2}+1)(x^{4}+1)(x-1)^{2})$$

Sequence: A044175
Score: 5.95493
Type of gen. func.: ogf

$$\frac{12x^{8} + 49x^{7} + 23x^{6} + 26x^{5} + 49x^{4} + 49x^{3} + 49x^{2} + 49x + 37}{(x+1)(x^{2}+1)(x^{4}+1)(x-1)^{2}}$$

Sequence: A044176
Score: 5.95493
Type of gen. func.: ogf

$$\frac{11x^{8} + 49x^{7} + 17x^{6} + 32x^{5} + 49x^{4} + 49x^{3} + 49x^{2} + 49x + 38}{(x+1)(x^{2}+1)(x^{4}+1)(x-1)^{2}}$$

Sequence: A044177
Score: 5.95493
Type of gen. func.: ogf

$$\frac{10x^{8} + 49x^{7} + 11x^{6} + 38x^{5} + 49x^{4} + 49x^{3} + 49x^{2} + 49x + 39}{(x+1)(x^{2}+1)(x^{4}+1)(x-1)^{2}}$$

Sequence: A044179
Score: 15.0157
Type of gen. func.: ogf

$$\frac{8x + 41}{(x-1)^{2}}$$

Sequence: A044179
Score: 16.8967
Type of gen. func.: revogf

$$-\frac{-41 - 2 x + (1681 + 196 x)^{1/2}}{2 (-8 + x)}$$

Sequence: A044179
Score: 25.9950
Type of gen. func.: lgdogf

$$-\frac{2 (45 + 4 x)}{(8 x + 41) (x - 1)}$$

Sequence: A044179
Score: 7.67472
Type of gen. func.: ogf

$$(49 f(x) + 2041) (f(x) x^2 - 2 f(x) x + f(x) - 8 x - 41)$$

Sequence: A044179
Score: 8.22290
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 41, a(1) = 90\}$$

Sequence: A044180
Score: 6.05760
Type of gen. func.: ogf

$$\frac{7 (x + 6) (x^7 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A044181
Score: 6.00583
Type of gen. func.: ogf

$$\frac{6 x^8 + 36 x^7 + 13 x^6 + 49 x^5 + 49 x^4 + 49 x^3 + 49 x^2 + 49 x + 43}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A044182
Score: 6.00583
Type of gen. func.: ogf

$$\frac{5 x^8 + 30 x^7 + 19 x^6 + 49 x^5 + 49 x^4 + 49 x^3 + 49 x^2 + 49 x + 44}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A044183
Score: 6.03778
Type of gen. func.: ogf

$$\frac{4 x^8 + 24 x^7 + 25 x^6 + 49 x^5 + 49 x^4 + 49 x^3 + 49 x^2 + 49 x + 45}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A044184
Score: 6.03778
Type of gen. func.: ogf

$$\frac{3 x^8 + 18 x^7 + 31 x^6 + 49 x^5 + 49 x^4 + 49 x^3 + 49 x^2 + 49 x + 46}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A044185
Score: 6.03778
Type of gen. func.: ogf

$$\frac{2 x^8 + 12 x^7 + 37 x^6 + 49 x^5 + 49 x^4 + 49 x^3 + 49 x^2 + 49 x + 47}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A044186

Score: 6.39559
Type of gen. func.: ogf

$$\frac{7 x^{7} + 43 x^{6} + 49 x^{5} + 49 x^{4} + 49 x^{3} + 49 x^{2} + 49 x + 48}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A044187
Score: 11.497
Type of gen. func.: ogf

$$-f(x) x^{2} + 2 f(x) x - f(x) + 64$$

Sequence: A044187
Score: 20.2889
Type of gen. func.: ogf

$$\frac{64}{(x - 1)^{2}}$$

Sequence: A044187
Score: 33.7533
Type of gen. func.: revogf

$$\frac{x}{(4 + (x + 16)^{1/2})^{2}}$$

Sequence: A044187
Score: 8.11554
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 64, a(1) = 128\}$$

Sequence: A044187
Score: 84.3831
Type of gen. func.: lgdogf

2

$$- \frac{}{x - 1}$$

Sequence: A044188
Score: 5.44549
Type of gen. func.: ogf

$$- \frac{8 x^{9} - 7 x^{8} - 64 x^{7} - 64 x^{6} - 64 x^{5} - 64 x^{4} - 64 x^{3} - 64 x^{2} - 64 x - 65}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A044189
Score: 5.36041
Type of gen. func.: ogf

$$- 2 (8 x^{9} - 7 x^{8} - 32 x^{7} - 32 x^{6} - 32 x^{5} - 32 x^{4} - 32 x^{3} - 32 x^{2} - 32 x - 33) \Big/ ((x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2})$$

Sequence: A044190
Score: 5.36041
Type of gen. func.: ogf

$$- \frac{24 x^{9} - 21 x^{8} - 64 x^{7} - 64 x^{6} - 64 x^{5} - 64 x^{4} - 64 x^{3} - 64 x^{2} - 64 x - 67}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A044191
Score: 5.36041
Type of gen. func.: ogf

$$- 4 (8 x^{9} - 7 x^{8} - 16 x^{7} - 16 x^{6} - 16 x^{5} - 16 x^{4} - 16 x^{3} - 16 x^{2} - 16 x - 17) \Big/ ((x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2})$$

Sequence: A044192
Score: 6.46083

Type of gen. func.: ogf

$$-\frac{40 x^9 - 35 x^8 - 64 x^7 - 64 x^6 - 64 x^5 - 64 x^4 - 64 x^3 - 64 x^2 - 64 x - 69}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A044193
Score: 5.36041
Type of gen. func.: ogf

$$- 2 (24 x^9 - 21 x^8 - 32 x^7 - 32 x^6 - 32 x^5 - 32 x^4 - 32 x^3 - 32 x^2 - 32 x - 35) / ((x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2)$$

Sequence: A044194
Score: 5.36041
Type of gen. func.: ogf

$$-\frac{56 x^9 - 49 x^8 - 64 x^7 - 64 x^6 - 64 x^5 - 64 x^4 - 64 x^3 - 64 x^2 - 64 x - 71}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A044195
Score: 4.70650
Type of gen. func.: ogf

$$- 8 (8 x^{17} + x^{10} - 10 x^9 - 6 x^8 - 8 x^7 - 8 x^6 - 8 x^5 - 8 x^4 - 8 x^3 - 9 x^2 - 7 x - 1) / ((x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2)$$

Sequence: A044196
Score: 4.46549
Type of gen. func.: ogf

$$- (8 x^{18} - 8 x^{17} - 8 x^{10} + 8 x^9 - 55 x^8 - 64 x^7 - 64 x^6 - 64 x^5 - 64 x^4 - 64 x^3 - 65 x^2 - 63 x - 9) / ((x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2)$$

Sequence: A044219
Score: 14.1532
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{9} + x^{8} + x^{4} - x^{3} - x + 3$$

Sequence: A044224
Score: 5.52650
Type of gen. func.: ogf

$$\frac{27 x^{9} + 64 x^{8} + 64 x^{7} + 61 x^{6} + 3 x^{5} + 64 x^{4} + 64 x^{3} + 64 x^{2} + 64 x + 37}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A044225
Score: 5.48332
Type of gen. func.: ogf

$$2 (13 x^{9} + 32 x^{8} + 32 x^{7} + 27 x^{6} + 5 x^{5} + 32 x^{4} + 32 x^{3} + 32 x^{2} + 32 x + 19) \Big/ ((x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2})$$

Sequence: A044226
Score: 5.48332
Type of gen. func.: ogf

$$\frac{25 x^{9} + 64 x^{8} + 64 x^{7} + 47 x^{6} + 17 x^{5} + 64 x^{4} + 64 x^{3} + 64 x^{2} + 64 x + 39}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A044227
Score: 5.51233
Type of gen. func.: ogf

$$8 (3 x + 5) (x^{8} + x^{7} + x^{6} + x^{4} + x^{3} + x^{2} + x + 1)$$

$$(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2$$

Sequence: A044228
Score: 5.51233
Type of gen. func.: ogf

$$\frac{23 x^9 + 64 x^8 + 64 x^7 + 33 x^6 + 31 x^5 + 64 x^4 + 64 x^3 + 64 x^2 + 64 x + 41}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A044229
Score: 5.51233
Type of gen. func.: ogf

$$2 (11 x^9 + 32 x^8 + 32 x^7 + 13 x^6 + 19 x^5 + 32 x^4 + 32 x^3 + 32 x^2 + 32 x + 21) / ((x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2)$$

Sequence: A044230
Score: 5.51233
Type of gen. func.: ogf

$$\frac{21 x^9 + 64 x^8 + 64 x^7 + 19 x^6 + 45 x^5 + 64 x^4 + 64 x^3 + 64 x^2 + 64 x + 43}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A044231
Score: 5.51233
Type of gen. func.: ogf

$$4 (5 x^9 + 16 x^8 + 16 x^7 + 3 x^6 + 13 x^5 + 16 x^4 + 16 x^3 + 16 x^2 + 16 x + 11) / ((x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2)$$

Sequence: A044232
Score: 5.84594

Type of gen. func.: ogf

$$\frac{19 x^8 + 64 x^7 + 69 x^6 + 59 x^5 + 64 x^4 + 64 x^3 + 64 x^2 + 64 x + 45}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A044233
Score: 5.55573
Type of gen. func.: ogf

$$\frac{2 (9 x^9 + 32 x^8 + 31 x^7 + x^6 + 32 x^5 + 32 x^4 + 32 x^3 + 32 x^2 + 32 x + 23)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A044234
Score: 5.55573
Type of gen. func.: ogf

$$\frac{17 x^9 + 64 x^8 + 55 x^7 + 9 x^6 + 64 x^5 + 64 x^4 + 64 x^3 + 64 x^2 + 64 x + 47}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A044235
Score: 5.51233
Type of gen. func.: ogf

$$\frac{16 (x + 3) (x + 1) (x^7 + x^4 + x^2 + 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A044236
Score: 5.51233
Type of gen. func.: ogf

$$\frac{15 x^9 + 64 x^8 + 41 x^7 + 23 x^6 + 64 x^5 + 64 x^4 + 64 x^3 + 64 x^2 + 64 x + 49}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A044237
Score: 5.51233
Type of gen. func.: ogf

$$2 (7 x^9 + 32 x^8 + 17 x^7 + 15 x^6 + 32 x^5 + 32 x^4 + 32 x^3 + 32 x^2 + 32 x + 25) / ((x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2)$$

Sequence: A044238
Score: 5.51233
Type of gen. func.: ogf

$$\frac{13 x^9 + 64 x^8 + 27 x^7 + 37 x^6 + 64 x^5 + 64 x^4 + 64 x^3 + 64 x^2 + 64 x + 51}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A044239
Score: 5.51233
Type of gen. func.: ogf

$$4 (3 x^9 + 16 x^8 + 5 x^7 + 11 x^6 + 16 x^5 + 16 x^4 + 16 x^3 + 16 x^2 + 16 x + 13) / ((x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2)$$

Sequence: A044240
Score: 5.51233
Type of gen. func.: ogf

$$\frac{11 x^9 + 64 x^8 + 13 x^7 + 51 x^6 + 64 x^5 + 64 x^4 + 64 x^3 + 64 x^2 + 64 x + 53}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A044241
Score: 5.84594
Type of gen. func.: ogf

$$2 (5 x^8 + 35 x^7 + 29 x^6 + 32 x^5 + 32 x^4 + 32 x^3 + 32 x^2 + 32 x + 27)$$

$$\overline{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A044242
Score: 14.9961
Type of gen. func.: ogf

$$\frac{9 x + 55}{(x - 1)^2}$$

Sequence: A044242
Score: 16.8766
Type of gen. func.: revogf

$$- \frac{-55 - 2 x + (3025 + 256 x)^{1/2}}{2 (-9 + x)}$$

Sequence: A044242
Score: 27.0026
Type of gen. func.: lgdogf

$$- \frac{119 + 9 x}{(9 x + 55) (x - 1)}$$

Sequence: A044242
Score: 7.58044
Type of gen. func.: ogf

$$(128 f(x) + 7121) (f(x) x^2 - 2 f(x) x + f(x) - 9 x - 55)$$

Sequence: A044242
Score: 8.11554
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 55, a(1) = 119\}$$

Sequence: A044243
Score: 5.59983
Type of gen. func.: ogf

$$\frac{8 (x + 7) (x^8 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A044244
Score: 5.55573
Type of gen. func.: ogf

$$\frac{7 x^9 + 49 x^8 + 15 x^7 + 64 x^6 + 64 x^5 + 64 x^4 + 64 x^3 + 64 x^2 + 64 x + 57}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A044245
Score: 5.55573
Type of gen. func.: ogf

$$2 (3 x^9 + 21 x^8 + 11 x^7 + 32 x^6 + 32 x^5 + 32 x^4 + 32 x^3 + 32 x^2 + 32 x + 29) \Big/ ((x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2)$$

Sequence: A044246
Score: 5.55573
Type of gen. func.: ogf

$$\frac{5 x^9 + 35 x^8 + 29 x^7 + 64 x^6 + 64 x^5 + 64 x^4 + 64 x^3 + 64 x^2 + 64 x + 59}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A044247
Score: 6.29448
Type of gen. func.: ogf

$$\frac{4 (x^9 + 7 x^8 + 9 x^7 + 16 x^6 + 16 x^5 + 16 x^4 + 16 x^3 + 16 x^2 + 16 x + 15)}{}$$

2 6 3 2

$(x + x + 1) (x + x + 1) (x - 1)$

Sequence: A044248
Score: 5.40261
Type of gen. func.: ogf

$$\frac{3 x^{9} + 21 x^{8} + 43 x^{7} + 64 x^{6} + 64 x^{5} + 64 x^{4} + 64 x^{3} + 64 x^{2} + 64 x + 61}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A044249
Score: 5.40261
Type of gen. func.: ogf

$$\frac{2 (x^{9} + 7 x^{8} + 25 x^{7} + 32 x^{6} + 32 x^{5} + 32 x^{4} + 32 x^{3} + 32 x^{2} + 32 x + 31)}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A044250
Score: 5.89591
Type of gen. func.: ogf

$$\frac{8 x^{8} + 57 x^{7} + 64 x^{6} + 64 x^{5} + 64 x^{4} + 64 x^{3} + 64 x^{2} + 64 x + 63}{(x + 1) (x^{2} + 1) (x^{4} + 1) (x - 1)^{2}}$$

Sequence: A044251
Score: 19.9341
Type of gen. func.: ogf

$$\frac{81}{(x - 1)^{2}}$$

Sequence: A044251
Score: 27.6293
Type of gen. func.: revogf

$4 x$

$$\overline{(9 + (81 + 4 x)^{1/2})^{2}}$$

Sequence: A044251
Score: 7.97364
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 81, a(1) = 162\}$$

Sequence: A044251
Score: 8.06856
Type of gen. func.: ogf

$$(5 f(x) + 891) (f(x) x^{2} - 2 f(x) x + f(x) - 81)$$

Sequence: A044251
Score: 82.8880
Type of gen. func.: lgdogf

$$- \frac{2}{x - 1}$$

Sequence: A044252
Score: 4.92040
Type of gen. func.: ogf

$$- (9 x^{10} - 8 x^{9} - 81 x^{8} - 81 x^{7} - 81 x^{6} - 81 x^{5} - 81 x^{4} - 81 x^{3} - 81 x^{2} - 81 x - 82) / ((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2})$$

Sequence: A044253
Score: 4.84960
Type of gen. func.: ogf

$$- (18 x^{10} - 16 x^{9} - 81 x^{8} - 81 x^{7} - 81 x^{6} - 81 x^{5} - 81 x^{4} - 81 x^{3} - 81 x^{2} - 81 x - 83) / ((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1)$$

```
           2
    (x - 1) )
```

Sequence: A044254
Score: 4.84960
Type of gen. func.: ogf

```
        10      9       8       7       6       5       4       3       2
- 3 (9 x   - 8 x  - 27 x  - 27 x  - 27 x  - 27 x  - 27 x  - 27 x  - 27 x

                    /             4    3    2             4    3    2
     - 27 x - 28)  /  ((x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1)
                  /

           2
    (x - 1) )
```

Sequence: A044255
Score: 4.84960
Type of gen. func.: ogf

```
       10       9       8       7       6       5       4       3       2
- (36 x   - 32 x  - 81 x  - 81 x  - 81 x  - 81 x  - 81 x  - 81 x  - 81 x

                    /             4    3    2             4    3    2
     - 81 x - 85)  /  ((x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1)
                  /

           2
    (x - 1) )
```

Sequence: A044256
Score: 4.84960
Type of gen. func.: ogf

```
       10       9       8       7       6       5       4       3       2
- (45 x   - 40 x  - 81 x  - 81 x  - 81 x  - 81 x  - 81 x  - 81 x  - 81 x

                    /             4    3    2             4    3    2
     - 81 x - 86)  /  ((x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1)
                  /

           2
    (x - 1) )
```

Sequence: A044257
Score: 4.84960
Type of gen. func.: ogf

```
         10       9       8       7       6       5       4       3       2
```

```
- 3 (18 x   - 16 x  - 27 x  - 27 x  - 27 x  - 27 x  - 27 x  - 27 x  - 27 x

                    /              4    3    2              4    3    2
     - 27 x - 29)  /  ((x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1)
                  /

              2
    (x - 1) )
```

Sequence: A044258
Score: 4.84960
Type of gen. func.: ogf

$$-\left(63 x^{10} - 56 x^{9} - 81 x^{8} - 81 x^{7} - 81 x^{6} - 81 x^{5} - 81 x^{4} - 81 x^{3} - 81 x^{2} - 81 x - 88\right) / \left((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}\right)$$

Sequence: A044259
Score: 4.84960
Type of gen. func.: ogf

$$-\left(72 x^{10} - 64 x^{9} - 81 x^{8} - 81 x^{7} - 81 x^{6} - 81 x^{5} - 81 x^{4} - 81 x^{3} - 81 x^{2} - 81 x - 89\right) / \left((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}\right)$$

Sequence: A044260
Score: 4.29763
Type of gen. func.: ogf

$$-9 \left(9 x^{19} + x^{11} - 11 x^{10} - 7 x^{9} - 9 x^{8} - 9 x^{7} - 9 x^{6} - 9 x^{5} - 9 x^{4} - 9 x^{3} - 10 x^{2} - 8 x - 1\right) / \left((x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}\right)$$

Sequence: A044286
Score: 4.84960
Type of gen. func.: ogf

$$(46 x^{10} + 81 x^9 + 81 x^8 + 81 x^7 + 81 x^6 + 44 x^5 + 37 x^4 + 81 x^3 + 81 x^2 + 81 x + 35) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044287
Score: 4.84960
Type of gen. func.: ogf

$$\frac{9 (5 x + 4) (x^9 + x^8 + x^7 + x^6 + x^5 + x^3 + x^2 + x + 1)}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A044288
Score: 4.84960
Type of gen. func.: ogf

$$(44 x^{10} + 81 x^9 + 81 x^8 + 81 x^7 + 81 x^6 + 28 x^5 + 53 x^4 + 81 x^3 + 81 x^2 + 81 x + 37) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044289
Score: 4.84960
Type of gen. func.: ogf

$$(43 x^{10} + 81 x^9 + 81 x^8 + 81 x^7 + 81 x^6 + 20 x^5 + 61 x^4 + 81 x^3 + 81 x^2 + 81 x + 38) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044290
Score: 4.84960
Type of gen. func.: ogf

$$3 (14 x^{10} + 27 x^9 + 27 x^8 + 27 x^7 + 27 x^6 + 4 x^5 + 23 x^4 + 27 x^3 + 27 x^2 + 27 x + 13) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

```
------------------------------------------------------------------------------

Sequence:  A044291
Score: 5.29499
Type of gen. func.: ogf


       9       8       7       6       5       4       3       2
   41 x  + 81 x  + 81 x  + 81 x  + 85 x  + 77 x  + 81 x  + 81 x  + 81 x + 40
   --------------------------------------------------------------------------
                        2            6    3           2
                      (x  + x + 1) (x  + x  + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A044292
Score: 4.88475
Type of gen. func.: ogf


     10       9       8       7       6      5       4       3       2
(40 x   + 81 x  + 81 x  + 81 x  + 77 x  + 4 x  + 81 x  + 81 x  + 81 x  + 81 x

             /            4    3    2            4    3    2                 2
     + 41)  /  ((x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1) (x - 1) )
           /



------------------------------------------------------------------------------

Sequence:  A044293
Score: 4.84960
Type of gen. func.: ogf


       10       9       8       7       6      5       4       3       2
3 (13 x   + 27 x  + 27 x  + 27 x  + 23 x  + 4 x  + 27 x  + 27 x  + 27 x  + 27 x

             /            4    3    2            4    3    2                 2
     + 14)  /  ((x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1) (x - 1) )
           /



------------------------------------------------------------------------------

Sequence:  A044294
Score: 4.84960
Type of gen. func.: ogf


     10       9       8       7       6       5       4       3       2
(38 x   + 81 x  + 81 x  + 81 x  + 61 x  + 20 x  + 81 x  + 81 x  + 81 x  + 81 x

             /            4    3    2            4    3    2                 2
     + 43)  /  ((x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1) (x - 1) )
           /



------------------------------------------------------------------------------

Sequence:  A044295
Score: 4.84960
Type of gen. func.: ogf
```

$$(37 x^{10} + 81 x^{9} + 81 x^{8} + 81 x^{7} + 53 x^{6} + 28 x^{5} + 81 x^{4} + 81 x^{3} + 81 x^{2} + 81 x + 44) \Big/ ((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2})$$

Sequence: A044296
Score: 4.84960
Type of gen. func.: ogf

$$\frac{9 (4 x + 5) (x^{9} + x^{8} + x^{7} + x^{6} + x^{4} + x^{3} + x^{2} + x + 1)}{(x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A044297
Score: 4.84960
Type of gen. func.: ogf

$$(35 x^{10} + 81 x^{9} + 81 x^{8} + 81 x^{7} + 37 x^{6} + 44 x^{5} + 81 x^{4} + 81 x^{3} + 81 x^{2} + 81 x + 46) \Big/ ((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2})$$

Sequence: A044298
Score: 4.84960
Type of gen. func.: ogf

$$(34 x^{10} + 81 x^{9} + 81 x^{8} + 81 x^{7} + 29 x^{6} + 52 x^{5} + 81 x^{4} + 81 x^{3} + 81 x^{2} + 81 x + 47) \Big/ ((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2})$$

Sequence: A044299
Score: 4.84960
Type of gen. func.: ogf

$$3 (11 x^{10} + 27 x^{9} + 27 x^{8} + 27 x^{7} + 7 x^{6} + 20 x^{5} + 27 x^{4} + 27 x^{3} + 27 x^{2} + 27 x + 16) \Big/ ((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2})$$

Sequence: A044300
Score: 4.84960
Type of gen. func.: ogf

$$(32 x^{10} + 81 x^9 + 81 x^8 + 81 x^7 + 13 x^6 + 68 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 49) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044301
Score: 5.29499
Type of gen. func.: ogf

$$\frac{31 x^9 + 81 x^8 + 81 x^7 + 86 x^6 + 76 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 50}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A044302
Score: 4.88475
Type of gen. func.: ogf

$$3 (10 x^{10} + 27 x^9 + 27 x^8 + 26 x^7 + x^6 + 27 x^5 + 27 x^4 + 27 x^3 + 27 x^2 + 27 x + 17) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044303
Score: 4.84960
Type of gen. func.: ogf

$$(29 x^{10} + 81 x^9 + 81 x^8 + 70 x^7 + 11 x^6 + 81 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 52) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044304
Score: 4.84960
Type of gen. func.: ogf

$$(28 x^{10} + 81 x^{9} + 81 x^{8} + 62 x^{7} + 19 x^{6} + 81 x^{5} + 81 x^{4} + 81 x^{3} + 81 x^{2} + 81 x + 53) / ((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2})$$

Sequence: A044305
Score: 4.84960
Type of gen. func.: ogf

$$\frac{27 (x + 2) (x^{2} + x + 1) (x^{7} + x^{3} + 1)}{(x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A044306
Score: 4.84960
Type of gen. func.: ogf

$$(26 x^{10} + 81 x^{9} + 81 x^{8} + 46 x^{7} + 35 x^{6} + 81 x^{5} + 81 x^{4} + 81 x^{3} + 81 x^{2} + 81 x + 55) / ((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2})$$

Sequence: A044307
Score: 4.84960
Type of gen. func.: ogf

$$(25 x^{10} + 81 x^{9} + 81 x^{8} + 38 x^{7} + 43 x^{6} + 81 x^{5} + 81 x^{4} + 81 x^{3} + 81 x^{2} + 81 x + 56) / ((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2})$$

Sequence: A044308
Score: 4.84960
Type of gen. func.: ogf

$$3 (8 x^{10} + 27 x^{9} + 27 x^{8} + 10 x^{7} + 17 x^{6} + 27 x^{5} + 27 x^{4} + 27 x^{3} + 27 x^{2} + 27 x + 19) / ((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2})$$

Sequence: A044309
Score: 4.84960
Type of gen. func.: ogf

$$(23 x^{10} + 81 x^9 + 81 x^8 + 22 x^7 + 59 x^6 + 81 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 58) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044310
Score: 4.84960
Type of gen. func.: ogf

$$(22 x^{10} + 81 x^9 + 81 x^8 + 14 x^7 + 67 x^6 + 81 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 59) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044311
Score: 5.29499
Type of gen. func.: ogf

$$3 (7 x^9 + 27 x^8 + 29 x^7 + 25 x^6 + 27 x^5 + 27 x^4 + 27 x^3 + 27 x^2 + 27 x + 20) / ((x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2)$$

Sequence: A044312
Score: 4.88475
Type of gen. func.: ogf

$$(20 x^{10} + 81 x^9 + 79 x^8 + 2 x^7 + 81 x^6 + 81 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 61) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044313
Score: 4.84960
Type of gen. func.: ogf

$$(19 x^{10} + 81 x^9 + 71 x^8 + 10 x^7 + 81 x^6 + 81 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 62) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044314
Score: 4.84960
Type of gen. func.: ogf

$$\frac{9 (2 x + 7) (x^9 + x^8 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A044315
Score: 4.84960
Type of gen. func.: ogf

$$(17 x^{10} + 81 x^9 + 55 x^8 + 26 x^7 + 81 x^6 + 81 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 64) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044316
Score: 4.84960
Type of gen. func.: ogf

$$(16 x^{10} + 81 x^9 + 47 x^8 + 34 x^7 + 81 x^6 + 81 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 65) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044317
Score: 4.84960
Type of gen. func.: ogf

$$3 (5 x^{10} + 27 x^9 + 13 x^8 + 14 x^7 + 27 x^6 + 27 x^5 + 27 x^4 + 27 x^3 + 27 x^2 + 27 x + 22) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044318
Score: 4.84960
Type of gen. func.: ogf

$$(14 x^{10} + 81 x^9 + 31 x^8 + 50 x^7 + 81 x^6 + 81 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 67) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044319
Score: 4.84960
Type of gen. func.: ogf

$$(13 x^{10} + 81 x^9 + 23 x^8 + 58 x^7 + 81 x^6 + 81 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 68) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044320
Score: 4.84960
Type of gen. func.: ogf

$$3 (4 x^{10} + 27 x^9 + 5 x^8 + 22 x^7 + 27 x^6 + 27 x^5 + 27 x^4 + 27 x^3 + 27 x^2 + 27 x + 23) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044321
Score: 5.29499
Type of gen. func.: ogf

$$\frac{11 x^9 + 88 x^8 + 74 x^7 + 81 x^6 + 81 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 70}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A044322
Score: 14.4204
Type of gen. func.: ogf

$$\frac{10 x + 71}{(x - 1)^2}$$

Sequence: A044322
Score: 16.1733
Type of gen. func.: revogf

$$-\frac{-71 - 2 x + (5041 + 324 x)^{1/2}}{2 (-10 + x)}$$

Sequence: A044322
Score: 24.5594
Type of gen. func.: lgdogf

$$-\frac{2 (76 + 5 x)}{(10 x + 71) (x - 1)}$$

Sequence: A044322
Score: 7.4479
Type of gen. func.: ogf

$$(81 f(x) + 5801) (f(x) x^2 - 2 f(x) x + f(x) - 10 x - 71)$$

Sequence: A044322
Score: 7.97364
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 71, a(1) = 152\}$$

Sequence: A044323
Score: 4.92040
Type of gen. func.: ogf

$$\frac{9 (x + 8) (x^9 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A044324
Score: 4.88475
Type of gen. func.: ogf

```
    10       9       8       7       6       5       4       3       2
(8 x   + 64 x  + 17 x  + 81 x  + 81 x  + 81 x  + 81 x  + 81 x  + 81 x  + 81 x

             /            4    3    2            4    3    2                 2
     + 73)  /  ((x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1) (x - 1) )
           /
```

Sequence: A044325
Score: 4.88475
Type of gen. func.: ogf

```
    10       9       8       7       6       5       4       3       2
(7 x   + 56 x  + 25 x  + 81 x  + 81 x  + 81 x  + 81 x  + 81 x  + 81 x  + 81 x

             /            4    3    2            4    3    2                 2
     + 74)  /  ((x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1) (x - 1) )
           /
```

Sequence: A044326
Score: 4.88475
Type of gen. func.: ogf

```
      10       9       8       7       6       5       4       3       2
3 (2 x   + 16 x  + 11 x  + 27 x  + 27 x  + 27 x  + 27 x  + 27 x  + 27 x  + 27 x

             /            4    3    2            4    3    2                 2
     + 25)  /  ((x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1) (x - 1) )
           /
```

Sequence: A044327
Score: 4.88475
Type of gen. func.: ogf

```
    10       9       8       7       6       5       4       3       2
(5 x   + 40 x  + 41 x  + 81 x  + 81 x  + 81 x  + 81 x  + 81 x  + 81 x  + 81 x

             /            4    3    2            4    3    2                 2
     + 76)  /  ((x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1) (x - 1) )
           /
```

Sequence: A044328
Score: 4.88475

Type of gen. func.: ogf

$$(4 x^{10} + 32 x^{9} + 49 x^{8} + 81 x^{7} + 81 x^{6} + 81 x^{5} + 81 x^{4} + 81 x^{3} + 81 x^{2} + 81 x + 77) \Big/ ((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2})$$

Sequence: A044329

Score: 4.88475

Type of gen. func.: ogf

$$3 (x^{10} + 8 x^{9} + 19 x^{8} + 27 x^{7} + 27 x^{6} + 27 x^{5} + 27 x^{4} + 27 x^{3} + 27 x^{2} + 27 x + 26) \Big/ ((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2})$$

Sequence: A044330

Score: 4.88475

Type of gen. func.: ogf

$$(2 x^{10} + 16 x^{9} + 65 x^{8} + 81 x^{7} + 81 x^{6} + 81 x^{5} + 81 x^{4} + 81 x^{3} + 81 x^{2} + 81 x + 79) \Big/ ((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2})$$

Sequence: A044331

Score: 5.33669

Type of gen. func.: ogf

$$\frac{9 x^{9} + 73 x^{8} + 81 x^{7} + 81 x^{6} + 81 x^{5} + 81 x^{4} + 81 x^{3} + 81 x^{2} + 81 x + 80}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A044332

Score: 10.9724

Type of gen. func.: ogf

$$-f(x) x^{2} + 2 f(x) x - f(x) + 100$$

Sequence: A044332
Score: 19.1233
Type of gen. func.: ogf

$$\frac{100}{(x-1)^2}$$

Sequence: A044332
Score: 32.7383
Type of gen. func.: revogf

$$\frac{x}{(5+(x+25)^{1/2})^2}$$

Sequence: A044332
Score: 7.78276
Type of gen. func.: ogf

$$\{-a(n+2)+2\,a(n+1)-a(n),\ a(0)=100,\ a(1)=200\}$$

Sequence: A044332
Score: 81.8458
Type of gen. func.: lgdogf

$$-\frac{2}{x-1}$$

Sequence: A044334
Score: 4.20954
Type of gen. func.: ogf

$$-2\,(10x^{11}-9x^{10}-50x^{9}-50x^{8}-50x^{7}-50x^{6}-50x^{5}-50x^{4}-50x^{3}-50x^{2}-50x-51)\Big/\left((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^2\right)$$

Sequence: A044336
Score: 4.20954
Type of gen. func.: ogf

```
         11      10       9       8       7       6       5       4       3
- 4 (10 x   - 9 x   - 25 x  - 25 x  - 25 x  - 25 x  - 25 x  - 25 x  - 25 x

           2            /
     - 25 x  - 25 x - 26)  /  (
                          /

      10    9    8    7    6    5    4    3    2                 2
    (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x - 1) )
```

Sequence: A044337
Score: 4.20954
Type of gen. func.: ogf

```
         11      10       9       8       7       6       5       4       3
- 5 (10 x   - 9 x   - 20 x  - 20 x  - 20 x  - 20 x  - 20 x  - 20 x  - 20 x

           2            /
     - 20 x  - 20 x - 21)  /  (
                          /

      10    9    8    7    6    5    4    3    2                 2
    (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x - 1) )
```

Sequence: A044338
Score: 4.20954
Type of gen. func.: ogf

```
         11       10       9       8       7       6       5       4       3
- 2 (30 x   - 27 x   - 50 x  - 50 x  - 50 x  - 50 x  - 50 x  - 50 x  - 50 x

           2            /
     - 50 x  - 50 x - 53)  /  (
                          /

      10    9    8    7    6    5    4    3    2                 2
    (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x - 1) )
```

Sequence: A044340
Score: 4.20954
Type of gen. func.: ogf

```
         11       10       9       8       7       6       5       4       3
- 4 (20 x   - 18 x   - 25 x  - 25 x  - 25 x  - 25 x  - 25 x  - 25 x  - 25 x

           2            /
     - 25 x  - 25 x - 27)  /  (
                          /
```

$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A044367
Score: 4.34027
Type of gen. func.: ogf

$$5 (13 x^{11} + 20 x^{10} + 20 x^9 + 20 x^8 + 20 x^7 + 20 x^6 + 17 x^5 + 3 x^4 + 20 x^3 + 20 x^2 + 20 x + 7) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A044368
Score: 4.34027
Type of gen. func.: ogf

$$4 (16 x^{11} + 25 x^{10} + 25 x^9 + 25 x^8 + 25 x^7 + 25 x^6 + 19 x^5 + 6 x^4 + 25 x^3 + 25 x^2 + 25 x + 9) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A044370
Score: 4.34027
Type of gen. func.: ogf

$$2 (31 x^{11} + 50 x^{10} + 50 x^9 + 50 x^8 + 50 x^7 + 50 x^6 + 29 x^5 + 21 x^4 + 50 x^3 + 50 x^2 + 50 x + 19) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A044372
Score: 4.34027
Type of gen. func.: ogf

$$20 (3 x + 2) (x + 1) (x^9 + x^7 + x^5 + x^2 + 1)$$

$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2$$

Sequence: A044374
Score: 4.34027
Type of gen. func.: ogf

$$2 (29 x^{11} + 50 x^{10} + 50 x^9 + 50 x^8 + 50 x^7 + 50 x^6 + 11 x^5 + 39 x^4 + 50 x^3 + 50 x^2 + 50 x + 21) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A044376
Score: 4.66045
Type of gen. func.: ogf

$$4 (14 x^{10} + 25 x^9 + 25 x^8 + 25 x^7 + 25 x^6 + 26 x^5 + 24 x^4 + 25 x^3 + 25 x^2 + 25 x + 11) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044377
Score: 4.36809
Type of gen. func.: ogf

$$5 (11 x^{11} + 20 x^{10} + 20 x^9 + 20 x^8 + 20 x^7 + 19 x^6 + x^5 + 20 x^4 + 20 x^3 + 20 x^2 + 20 x + 9) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A044378
Score: 4.34027
Type of gen. func.: ogf

11 10 9 8 7 6 5 4 3

$$2 (27 x + 50 x + 50 x + 50 x + 50 x + 43 x + 7 x + 50 x + 50 x + 50 x^{2} + 50 x + 23) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A044380
Score: 4.34027
Type of gen. func.: ogf

$$4 (13 x^{11} + 25 x^{10} + 25 x^{9} + 25 x^{8} + 25 x^{7} + 17 x^{6} + 8 x^{5} + 25 x^{4} + 25 x^{3} + 25 x^{2} + 25 x + 12) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A044382
Score: 4.34027
Type of gen. func.: ogf

$$\frac{50 (x + 1) (x^{2} + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{2} + 1)}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A044384
Score: 4.34027
Type of gen. func.: ogf

$$4 (12 x^{11} + 25 x^{10} + 25 x^{9} + 25 x^{8} + 25 x^{7} + 8 x^{6} + 17 x^{5} + 25 x^{4} + 25 x^{3} + 25 x^{2} + 25 x + 13) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A044386
Score: 4.34027
Type of gen. func.: ogf

$$2 (23 x^{11} + 50 x^{10} + 50 x^9 + 50 x^8 + 50 x^7 + 7 x^6 + 43 x^5 + 50 x^4 + 50 x^3 + 50 x^2 + 50 x + 27) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A044387
Score: 4.66045
Type of gen. func.: ogf

$$5 (9 x^{10} + 20 x^9 + 20 x^8 + 20 x^7 + 21 x^6 + 19 x^5 + 20 x^4 + 20 x^3 + 20 x^2 + 20 x + 11) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044388
Score: 4.36809
Type of gen. func.: ogf

$$4 (11 x^{11} + 25 x^{10} + 25 x^9 + 25 x^8 + 24 x^7 + x^6 + 25 x^5 + 25 x^4 + 25 x^3 + 25 x^2 + 25 x + 14) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A044390
Score: 4.34027
Type of gen. func.: ogf

$$2 (21 x^{11} + 50 x^{10} + 50 x^9 + 50 x^8 + 39 x^7 + 11 x^6 + 50 x^5 + 50 x^4 + 50 x^3 + 50 x^2 + 50 x + 29) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A044392
Score: 4.34027
Type of gen. func.: ogf

$$\frac{20 (2 x + 3) (x + 1) (x^{9} + x^{7} + x^{4} + x^{2} + 1)}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A044394
Score: 4.34027
Type of gen. func.: ogf

$$2 (19 x^{11} + 50 x^{10} + 50 x^{9} + 50 x^{8} + 21 x^{7} + 29 x^{6} + 50 x^{5} + 50 x^{4} + 50 x^{3} + 50 x^{2} + 50 x + 31) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A044396
Score: 4.34027
Type of gen. func.: ogf

$$4 (9 x^{11} + 25 x^{10} + 25 x^{9} + 25 x^{8} + 6 x^{7} + 19 x^{6} + 25 x^{5} + 25 x^{4} + 25 x^{3} + 25 x^{2} + 25 x + 16) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A044397
Score: 4.34027
Type of gen. func.: ogf

$$5 (7 x^{11} + 20 x^{10} + 20 x^{9} + 20 x^{8} + 3 x^{7} + 17 x^{6} + 20 x^{5} + 20 x^{4} + 20 x^{3} + 20 x^{2} + 20 x + 13) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A044398
Score: 4.66045

Type of gen. func.: ogf

$$2 (17 x^{10} + 50 x^9 + 50 x^8 + 53 x^7 + 47 x^6 + 50 x^5 + 50 x^4 + 50 x^3 + 50 x^2 + 50 x + 33) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044400
Score: 4.34027
Type of gen. func.: ogf

$$4 (8 x^{11} + 25 x^{10} + 25 x^9 + 22 x^8 + 3 x^7 + 25 x^6 + 25 x^5 + 25 x^4 + 25 x^3 + 25 x^2 + 25 x + 17) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A044402
Score: 4.34027
Type of gen. func.: ogf

$$\frac{10 (3 x + 7) (x^{10} + x^9 + x^8 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A044404
Score: 4.34027
Type of gen. func.: ogf

$$4 (7 x^{11} + 25 x^{10} + 25 x^9 + 13 x^8 + 12 x^7 + 25 x^6 + 25 x^5 + 25 x^4 + 25 x^3 + 25 x^2 + 25 x + 18) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A044406

Score: 4.34027
Type of gen. func.: ogf

$$2 (13 x^{11} + 50 x^{10} + 50 x^9 + 17 x^8 + 33 x^7 + 50 x^6 + 50 x^5 + 50 x^4 + 50 x^3 + 50 x^2 + 50 x + 37) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A044407
Score: 4.34027
Type of gen. func.: ogf

$$\frac{25 (x + 1) (x^{10} + 3 x^9 + x^8 + 3 x^6 + x^5 + 3 x^4 + x^3 + 3 x^2 + x + 3)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A044408
Score: 4.34027
Type of gen. func.: ogf

$$4 (6 x^{11} + 25 x^{10} + 25 x^9 + 4 x^8 + 21 x^7 + 25 x^6 + 25 x^5 + 25 x^4 + 25 x^3 + 25 x^2 + 25 x + 19) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A044409
Score: 4.66045
Type of gen. func.: ogf

$$(23 x^{10} + 100 x^9 + 107 x^8 + 93 x^7 + 100 x^6 + 100 x^5 + 100 x^4 + 100 x^3 + 100 x^2 + 100 x + 77) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044410
Score: 4.36809
Type of gen. func.: ogf

$$2 (11 x^{11} + 50 x^{10} + 49 x^9 + x^8 + 50 x^7 + 50 x^6 + 50 x^5 + 50 x^4 + 50 x^3 + 50 x^2 + 50 x + 39) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A044412
Score: 4.34027
Type of gen. func.: ogf

$$\frac{20 (x + 4) (x + 1) (x^2 - x + 1) (x^7 + x^6 + x^2 + x + 1)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A044414
Score: 4.34027
Type of gen. func.: ogf

$$2 (9 x^{11} + 50 x^{10} + 31 x^9 + 19 x^8 + 50 x^7 + 50 x^6 + 50 x^5 + 50 x^4 + 50 x^3 + 50 x^2 + 50 x + 41) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A044416
Score: 4.34027
Type of gen. func.: ogf

$$4 (4 x^{11} + 25 x^{10} + 11 x^9 + 14 x^8 + 25 x^7 + 25 x^6 + 25 x^5 + 25 x^4 + 25 x^3 + 25 x^2 + 25 x + 21) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A044417
Score: 4.34027
Type of gen. func.: ogf

$$5 (3 x^{11} + 20 x^{10} + 7 x^9 + 13 x^8 + 20 x^7 + 20 x^6 + 20 x^5 + 20 x^4 + 20 x^3 + 20 x^2 + 20 x + 17) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A044418
Score: 4.34027
Type of gen. func.: ogf

$$2 (7 x^{11} + 50 x^{10} + 13 x^9 + 37 x^8 + 50 x^7 + 50 x^6 + 50 x^5 + 50 x^4 + 50 x^3 + 50 x^2 + 50 x + 43) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A044420
Score: 4.66045
Type of gen. func.: ogf

$$4 (3 x^{10} + 27 x^9 + 23 x^8 + 25 x^7 + 25 x^6 + 25 x^5 + 25 x^4 + 25 x^3 + 25 x^2 + 25 x + 22) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044421
Score: 14.5763
Type of gen. func.: ogf

$$\frac{11 x + 89}{(x - 1)^2}$$

Sequence: A044421
Score: 16.3520

Type of gen. func.: revogf

$$-\frac{-89 - 2 x + (7921 + 400 x)^{1/2}}{2 (-11 + x)}$$

Sequence: A044421
Score: 24.8308
Type of gen. func.: lgdogf

$$-\frac{189 + 11 x}{(11 x + 89) (x - 1)}$$

Sequence: A044421
Score: 7.36652
Type of gen. func.: ogf

$$(200 f(x) + 17921) (f(x) x^2 - 2 f(x) x + f(x) - 11 x - 89)$$

Sequence: A044421
Score: 8.05984
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 89, a(1) = 189\}$$

Sequence: A044422
Score: 4.34027
Type of gen. func.: ogf

$$\frac{10 (9 + x) (x^2 + 1) (x^8 + x^5 + x^4 + x + 1)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A044424
Score: 4.36809
Type of gen. func.: ogf

$$4 (2 x^{11} + 18 x^{10} + 7 x^9 + 25 x^8 + 25 x^7 + 25 x^6 + 25 x^5 + 25 x^4 + 25 x^3$$

$$+ 25 x^{2} + 25 x + 23) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A044426
Score: 4.36809
Type of gen. func.: ogf

$$2 (3 x^{11} + 27 x^{10} + 23 x^{9} + 50 x^{8} + 50 x^{7} + 50 x^{6} + 50 x^{5} + 50 x^{4} + 50 x^{3} + 50 x^{2} + 50 x + 47) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A044427
Score: 4.36809
Type of gen. func.: ogf

$$5 (x^{11} + 9 x^{10} + 11 x^{9} + 20 x^{8} + 20 x^{7} + 20 x^{6} + 20 x^{5} + 20 x^{4} + 20 x^{3} + 20 x^{2} + 20 x + 19) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A044428
Score: 4.36809
Type of gen. func.: ogf

$$4 (x^{11} + 9 x^{10} + 16 x^{9} + 25 x^{8} + 25 x^{7} + 25 x^{6} + 25 x^{5} + 25 x^{4} + 25 x^{3} + 25 x^{2} + 25 x + 24) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A044430
Score: 4.36809
Type of gen. func.: ogf

$$2 (x^{11} + 9 x^{10} + 41 x^9 + 50 x^8 + 50 x^7 + 50 x^6 + 50 x^5 + 50 x^4 + 50 x^3 + 50 x^2 + 50 x + 49) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A044431
Score: 4.66045
Type of gen. func.: ogf

$$(10 x^{10} + 91 x^9 + 100 x^8 + 100 x^7 + 100 x^6 + 100 x^5 + 100 x^4 + 100 x^3 + 100 x^2 + 100 x + 99) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044432
Score: 5.34443
Type of gen. func.: ogf

$$(x + 1) (x^2 - x + 1) (x^8 + x^7 + x^2 + 1) / ((x - 1) (2 x - 1) (x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1))$$

Sequence: A044485
Score: 6.38369
Type of gen. func.: ogf

$$- \frac{17 x^7 - 15 x^6 - 36 x^5 - 36 x^4 - 36 x^3 - 36 x^2 - 36 x - 38}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A044486
Score: 6.38369
Type of gen. func.: ogf

$$-\frac{23 x^7 - 20 x^6 - 36 x^5 - 36 x^4 - 36 x^3 - 36 x^2 - 36 x - 39}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A044487
Score: 6.38369
Type of gen. func.: ogf

$$-\frac{29 x^7 - 25 x^6 - 36 x^5 - 36 x^4 - 36 x^3 - 36 x^2 - 36 x - 40}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A044488
Score: 6.38369
Type of gen. func.: ogf

$$-\frac{35 x^7 - 30 x^6 - 36 x^5 - 36 x^4 - 36 x^3 - 36 x^2 - 36 x - 41}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A044491
Score: 4.92017
Type of gen. func.: ogf

$$(27 x^{18} - 27 x^{17} - 27 x^{11} + 27 x^{10} + 28 x^7 + 36 x^6 + 36 x^5 + 36 x^4 + 27 x^3 + 9 x^2 + 36 x + 8) / ((x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A044492
Score: 4.88693
Type of gen. func.: ogf

$$(26 x^{19} - 26 x^{18} - 26 x^{12} + 26 x^{11} + 27 x^7 + 36 x^6 + 36 x^5 + 36 x^4 + 22 x^3 + 14 x^2 + 36 x + 9) / ((x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A044493
Score: 4.72389
Type of gen. func.: ogf

$$(25 x^{20} - 25 x^{19} - 25 x^{13} + 25 x^{12} + 26 x^{7} + 36 x^{6} + 36 x^{5} + 36 x^{4} + 17 x^{3} + 19 x^{2} + 36 x + 10) \Big/ ((x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A044494
Score: 4.72389
Type of gen. func.: ogf

$$(24 x^{21} - 24 x^{20} - 24 x^{14} + 24 x^{13} + 25 x^{7} + 36 x^{6} + 36 x^{5} + 36 x^{4} + 12 x^{3} + 24 x^{2} + 36 x + 11) \Big/ ((x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A044497
Score: 5.02389
Type of gen. func.: ogf

$$(18 x^{21} - 18 x^{20} - 18 x^{15} + 18 x^{14} + 22 x^{6} + 36 x^{5} + 36 x^{4} + 33 x^{3} + 39 x^{2} + 36 x + 14) \Big/ ((x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x - 1)^{2})$$

Sequence: A044519
Score: 7.70030
Type of gen. func.: ogf

$$- \frac{6 x^{7} - 55 x^{6} - 49 x^{5} - 49 x^{4} - 49 x^{3} - 49 x^{2} - 49 x - 49}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A044520
Score: 5.98661
Type of gen. func.: ogf

$$13 x^{8} - 12 x^{7} - 49 x^{6} - 49 x^{5} - 49 x^{4} - 49 x^{3} - 49 x^{2} - 49 x - 50$$

$$- \frac{\qquad}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A044521
Score: 6.01828
Type of gen. func.: ogf

$$- \frac{20 x^8 - 18 x^7 - 49 x^6 - 49 x^5 - 49 x^4 - 49 x^3 - 49 x^2 - 49 x - 51}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A044522
Score: 6.01828
Type of gen. func.: ogf

$$- \frac{27 x^8 - 24 x^7 - 49 x^6 - 49 x^5 - 49 x^4 - 49 x^3 - 49 x^2 - 49 x - 52}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A044523
Score: 6.01828
Type of gen. func.: ogf

$$- \frac{34 x^8 - 30 x^7 - 49 x^6 - 49 x^5 - 49 x^4 - 49 x^3 - 49 x^2 - 49 x - 53}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A044524
Score: 6.01828
Type of gen. func.: ogf

$$- \frac{41 x^8 - 36 x^7 - 49 x^6 - 49 x^5 - 49 x^4 - 49 x^3 - 49 x^2 - 49 x - 54}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A044525
Score: 6.01828
Type of gen. func.: ogf

$$-\frac{48x^8-42x^7-49x^6-49x^5-49x^4-49x^3-49x^2-49x-55}{(x+1)(x^2+1)(x^4+1)(x-1)^2}$$

Sequence: A044526
Score: 10.7345
Type of gen. func.: ogf

$$-\frac{7(7x^8-7x^7-6x-1)}{(x-1)^2}$$

Sequence: A044526
Score: 12.4473
Type of gen. func.: lgdogf

$$\frac{42x^8-91x^7+49x^6+6x+8}{(x-1)(7x^8-7x^7-6x-1)}$$

Sequence: A044527
Score: 4.68012
Type of gen. func.: ogf

$$(35x^{16}-35x^{15}-35x^9+35x^8+41x^7+49x^6+49x^5+49x^4+49x^3+44x^2+54x+8)\Big/\left((x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2\right)$$

Sequence: A044528
Score: 4.40426
Type of gen. func.: ogf

$$(39x^{20}-39x^{19}-39x^{12}+39x^{11}+40x^8+49x^7+49x^6+49x^5+49x^4+38x^3+11x^2+49x+9)\Big/\left((x+1)(x^2+1)(x^4+1)(x-1)^2\right)$$

Sequence: A044556
Score: 5.95493
Type of gen. func.: ogf

$$\frac{12 x^8 + 49 x^7 + 17 x^6 + 32 x^5 + 49 x^4 + 49 x^3 + 49 x^2 + 49 x + 37}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A044557
Score: 5.95493
Type of gen. func.: ogf

$$\frac{11 x^8 + 49 x^7 + 11 x^6 + 38 x^5 + 49 x^4 + 49 x^3 + 49 x^2 + 49 x + 38}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A044558
Score: 6.00583
Type of gen. func.: ogf

$$\frac{10 x^8 + 49 x^7 + 5 x^6 + 44 x^5 + 49 x^4 + 49 x^3 + 49 x^2 + 49 x + 39}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A044561
Score: 6.00583
Type of gen. func.: ogf

$$\frac{7 x^8 + 36 x^7 + 13 x^6 + 49 x^5 + 49 x^4 + 49 x^3 + 49 x^2 + 49 x + 42}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A044562
Score: 6.00583
Type of gen. func.: ogf

$$6 x^8 + 30 x^7 + 19 x^6 + 49 x^5 + 49 x^4 + 49 x^3 + 49 x^2 + 49 x + 43$$

```
                                 2        4             2
                       (x + 1) (x  + 1) (x  + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A044563
Score: 6.03778
Type of gen. func.: ogf


           8       7       6       5       4       3       2
        5 x  + 24 x  + 25 x  + 49 x  + 49 x  + 49 x  + 49 x  + 49 x + 44
        ----------------------------------------------------------------
                                 2        4             2
                       (x + 1) (x  + 1) (x  + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A044564
Score: 6.03778
Type of gen. func.: ogf


           8       7       6       5       4       3       2
        4 x  + 18 x  + 31 x  + 49 x  + 49 x  + 49 x  + 49 x  + 49 x + 45
        ----------------------------------------------------------------
                                 2        4             2
                       (x + 1) (x  + 1) (x  + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A044565
Score: 6.03778
Type of gen. func.: ogf


           8       7       6       5       4       3       2
        3 x  + 12 x  + 37 x  + 49 x  + 49 x  + 49 x  + 49 x  + 49 x + 46
        ----------------------------------------------------------------
                                 2        4             2
                       (x + 1) (x  + 1) (x  + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A044566
Score: 6.08983
Type of gen. func.: ogf


           8      7       6       5       4       3       2
        2 x  + 6 x  + 43 x  + 49 x  + 49 x  + 49 x  + 49 x  + 49 x + 47
        ---------------------------------------------------------------
                                2        4             2
                      (x + 1) (x  + 1) (x  + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A044567
Score: 18.0790
Type of gen. func.: ogf
```

$$\frac{x + 48}{(x - 1)^2}$$

Sequence: A044567
Score: 25.5072
Type of gen. func.: revogf

$$-\frac{-24 - x + (576 + 49 x)^{1/2}}{x - 1}$$

Sequence: A044567
Score: 40.8116
Type of gen. func.: lgdogf

$$-\frac{97 + x}{(x + 48) (x - 1)}$$

Sequence: A044567
Score: 9.24035
Type of gen. func.: ogf

$$(98 f(x) + 4705) (f(x) x^2 - 2 f(x) x + f(x) - x - 48)$$

Sequence: A044567
Score: 9.90038
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 48, a(1) = 97\}$$

Sequence: A044568
Score: 5.89591
Type of gen. func.: ogf

$$-\frac{7 x^8 - 71 x^7 - 64 x^6 - 64 x^5 - 64 x^4 - 64 x^3 - 64 x^2 - 64 x - 64}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A044569
Score: 5.36041
Type of gen. func.: ogf

$$-\frac{15 x^{9} - 14 x^{8} - 64 x^{7} - 64 x^{6} - 64 x^{5} - 64 x^{4} - 64 x^{3} - 64 x^{2} - 64 x - 65}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A044570
Score: 5.36041
Type of gen. func.: ogf

$$-\frac{23 x^{9} - 21 x^{8} - 64 x^{7} - 64 x^{6} - 64 x^{5} - 64 x^{4} - 64 x^{3} - 64 x^{2} - 64 x - 66}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A044571
Score: 5.36041
Type of gen. func.: ogf

$$-\frac{31 x^{9} - 28 x^{8} - 64 x^{7} - 64 x^{6} - 64 x^{5} - 64 x^{4} - 64 x^{3} - 64 x^{2} - 64 x - 67}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A044572
Score: 5.36041
Type of gen. func.: ogf

$$-\frac{39 x^{9} - 35 x^{8} - 64 x^{7} - 64 x^{6} - 64 x^{5} - 64 x^{4} - 64 x^{3} - 64 x^{2} - 64 x - 68}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A044573
Score: 6.46083
Type of gen. func.: ogf

$$47 x^{9} - 42 x^{8} - 64 x^{7} - 64 x^{6} - 64 x^{5} - 64 x^{4} - 64 x^{3} - 64 x^{2} - 64 x - 69$$

$$-\frac{}{(x^2+x+1)(x^6+x^3+1)(x-1)^2}$$

Sequence: A044574
Score: 5.36041
Type of gen. func.: ogf

$$-\frac{55x^9-49x^8-64x^7-64x^6-64x^5-64x^4-64x^3-64x^2-64x-70}{(x^2+x+1)(x^6+x^3+1)(x-1)^2}$$

Sequence: A044575
Score: 5.36041
Type of gen. func.: ogf

$$-\frac{63x^9-56x^8-64x^7-64x^6-64x^5-64x^4-64x^3-64x^2-64x-71}{(x^2+x+1)(x^6+x^3+1)(x-1)^2}$$

Sequence: A044576
Score: 10.6632
Type of gen. func.: ogf

$$-\frac{8(8x^9-8x^8-7x-1)}{(x-1)^2}$$

Sequence: A044576
Score: 12.1398
Type of gen. func.: lgdogf

$$\frac{56x^9-120x^8+64x^7+7x+9}{(x-1)(8x^9-8x^8-7x-1)}$$

Sequence: A044577
Score: 4.35099
Type of gen. func.: ogf

$$(48 x^{18} - 48 x^{17} - 48 x^{10} + 48 x^{9} + 55 x^{8} + 64 x^{7} + 64 x^{6} + 64 x^{5} + 64 x^{4} + 64 x^{3} + 58 x^{2} + 70 x + 9) \Big/ ((x + 1) (x^{2} + 1) (x^{4} + 1) (x - 1)^{2})$$

Sequence: A044605
Score: 5.48332
Type of gen. func.: ogf

$$\frac{27 x^{9} + 64 x^{8} + 64 x^{7} + 54 x^{6} + 10 x^{5} + 64 x^{4} + 64 x^{3} + 64 x^{2} + 64 x + 37}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A044606
Score: 5.48332
Type of gen. func.: ogf

$$\frac{26 x^{9} + 64 x^{8} + 64 x^{7} + 47 x^{6} + 17 x^{5} + 64 x^{4} + 64 x^{3} + 64 x^{2} + 64 x + 38}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A044607
Score: 5.48332
Type of gen. func.: ogf

$$\frac{25 x^{9} + 64 x^{8} + 64 x^{7} + 40 x^{6} + 24 x^{5} + 64 x^{4} + 64 x^{3} + 64 x^{2} + 64 x + 39}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A044608
Score: 5.51233
Type of gen. func.: ogf

$$\frac{24 x^{9} + 64 x^{8} + 64 x^{7} + 33 x^{6} + 31 x^{5} + 64 x^{4} + 64 x^{3} + 64 x^{2} + 64 x + 40}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A044609
Score: 5.51233
Type of gen. func.: ogf

$$\frac{23 x^9 + 64 x^8 + 64 x^7 + 26 x^6 + 38 x^5 + 64 x^4 + 64 x^3 + 64 x^2 + 64 x + 41}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A044610
Score: 5.51233
Type of gen. func.: ogf

$$\frac{22 x^9 + 64 x^8 + 64 x^7 + 19 x^6 + 45 x^5 + 64 x^4 + 64 x^3 + 64 x^2 + 64 x + 42}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A044611
Score: 5.51233
Type of gen. func.: ogf

$$\frac{21 x^9 + 64 x^8 + 64 x^7 + 12 x^6 + 52 x^5 + 64 x^4 + 64 x^3 + 64 x^2 + 64 x + 43}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A044612
Score: 5.55573
Type of gen. func.: ogf

$$\frac{20 x^9 + 64 x^8 + 64 x^7 + 5 x^6 + 59 x^5 + 64 x^4 + 64 x^3 + 64 x^2 + 64 x + 44}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A044613
Score: 5.84594
Type of gen. func.: ogf

$$19 x^8 + 64 x^7 + 62 x^6 + 66 x^5 + 64 x^4 + 64 x^3 + 64 x^2 + 64 x + 45$$

2   4   2

$$(x+1)(x+1)(x+1)(x-1)$$

Sequence: A044614
Score: 5.55573
Type of gen. func.: ogf

$$\frac{18x^9+64x^8+55x^7+9x^6+64x^5+64x^4+64x^3+64x^2+64x+46}{(x^2+x+1)(x^6+x^3+1)(x-1)^2}$$

Sequence: A044615
Score: 5.51233
Type of gen. func.: ogf

$$\frac{17x^9+64x^8+48x^7+16x^6+64x^5+64x^4+64x^3+64x^2+64x+47}{(x^2+x+1)(x^6+x^3+1)(x-1)^2}$$

Sequence: A044616
Score: 5.51233
Type of gen. func.: ogf

$$\frac{16x^9+64x^8+41x^7+23x^6+64x^5+64x^4+64x^3+64x^2+64x+48}{(x^2+x+1)(x^6+x^3+1)(x-1)^2}$$

Sequence: A044617
Score: 5.51233
Type of gen. func.: ogf

$$\frac{15x^9+64x^8+34x^7+30x^6+64x^5+64x^4+64x^3+64x^2+64x+49}{(x^2+x+1)(x^6+x^3+1)(x-1)^2}$$

Sequence: A044618
Score: 5.51233
Type of gen. func.: ogf

$$\frac{14 x^9 + 64 x^8 + 27 x^7 + 37 x^6 + 64 x^5 + 64 x^4 + 64 x^3 + 64 x^2 + 64 x + 50}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A044619
Score: 5.51233
Type of gen. func.: ogf

$$\frac{13 x^9 + 64 x^8 + 20 x^7 + 44 x^6 + 64 x^5 + 64 x^4 + 64 x^3 + 64 x^2 + 64 x + 51}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A044620
Score: 5.51233
Type of gen. func.: ogf

$$\frac{12 x^9 + 64 x^8 + 13 x^7 + 51 x^6 + 64 x^5 + 64 x^4 + 64 x^3 + 64 x^2 + 64 x + 52}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A044621
Score: 5.55573
Type of gen. func.: ogf

$$\frac{11 x^9 + 64 x^8 + 6 x^7 + 58 x^6 + 64 x^5 + 64 x^4 + 64 x^3 + 64 x^2 + 64 x + 53}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A044622
Score: 5.84594
Type of gen. func.: ogf

$$\frac{10 x^8 + 63 x^7 + 65 x^6 + 64 x^5 + 64 x^4 + 64 x^3 + 64 x^2 + 64 x + 54}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A044623

Score: 5.89591
Type of gen. func.: ogf

$$\frac{9 x^8 + 56 x^7 + 72 x^6 + 64 x^5 + 64 x^4 + 64 x^3 + 64 x^2 + 64 x + 55}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A044624
Score: 5.55573
Type of gen. func.: ogf

$$\frac{8 x^9 + 49 x^8 + 15 x^7 + 64 x^6 + 64 x^5 + 64 x^4 + 64 x^3 + 64 x^2 + 64 x + 56}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A044625
Score: 5.55573
Type of gen. func.: ogf

$$\frac{7 x^9 + 42 x^8 + 22 x^7 + 64 x^6 + 64 x^5 + 64 x^4 + 64 x^3 + 64 x^2 + 64 x + 57}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A044626
Score: 5.55573
Type of gen. func.: ogf

$$\frac{6 x^9 + 35 x^8 + 29 x^7 + 64 x^6 + 64 x^5 + 64 x^4 + 64 x^3 + 64 x^2 + 64 x + 58}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A044627
Score: 5.55573
Type of gen. func.: ogf

$$\frac{5 x^9 + 28 x^8 + 36 x^7 + 64 x^6 + 64 x^5 + 64 x^4 + 64 x^3 + 64 x^2 + 64 x + 59}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A044628
Score: 5.55573
Type of gen. func.: ogf

$$\frac{4 x^{9} + 21 x^{8} + 43 x^{7} + 64 x^{6} + 64 x^{5} + 64 x^{4} + 64 x^{3} + 64 x^{2} + 64 x + 60}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A044629
Score: 5.40261
Type of gen. func.: ogf

$$\frac{3 x^{9} + 14 x^{8} + 50 x^{7} + 64 x^{6} + 64 x^{5} + 64 x^{4} + 64 x^{3} + 64 x^{2} + 64 x + 61}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A044630
Score: 5.44549
Type of gen. func.: ogf

$$\frac{2 x^{9} + 7 x^{8} + 57 x^{7} + 64 x^{6} + 64 x^{5} + 64 x^{4} + 64 x^{3} + 64 x^{2} + 64 x + 62}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A044631
Score: 18.0612
Type of gen. func.: ogf

$$\frac{x + 63}{(x - 1)^{2}}$$

Sequence: A044631
Score: 20.3875
Type of gen. func.: revogf

$$-\frac{-63 - 2 x + (3969 + 256 x)^{1/2}}{2 (x - 1)}$$

Sequence: A044631
Score: 38.8333
Type of gen. func.: lgdogf

$$-\frac{127 + x}{(x + 63)\,(x - 1)}$$

Sequence: A044631
Score: 9.12984
Type of gen. func.: ogf

$$(128\,f(x) + 8065)\,(f(x)\,x^2 - 2\,f(x)\,x + f(x) - x - 63)$$

Sequence: A044631
Score: 9.77429
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\,a(n + 1) - a(n),\ a(0) = 63,\ a(1) = 127\}$$

Sequence: A044632
Score: 5.33669
Type of gen. func.: ogf

$$-\frac{8\,x^9 - 89\,x^8 - 81\,x^7 - 81\,x^6 - 81\,x^5 - 81\,x^4 - 81\,x^3 - 81\,x^2 - 81\,x - 81}{(x^2 + x + 1)\,(x^6 + x^3 + 1)\,(x - 1)^2}$$

Sequence: A044633
Score: 4.84960
Type of gen. func.: ogf

$$-(17\,x^{10} - 16\,x^9 - 81\,x^8 - 81\,x^7 - 81\,x^6 - 81\,x^5 - 81\,x^4 - 81\,x^3 - 81\,x^2 - 81\,x - 82) \Big/ ((x + 1)\,(x^4 + x^3 + x^2 + x + 1)\,(x^4 - x^3 + x^2 - x + 1)\,(x - 1)^2)$$

Sequence: A044634
Score: 4.84960
Type of gen. func.: ogf

$$-(26x^{10}-24x^{9}-81x^{8}-81x^{7}-81x^{6}-81x^{5}-81x^{4}-81x^{3}-81x^{2}-81x-83) / ((x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)(x-1)^{2})$$

Sequence: A044635
Score: 4.84960
Type of gen. func.: ogf

$$-(35x^{10}-32x^{9}-81x^{8}-81x^{7}-81x^{6}-81x^{5}-81x^{4}-81x^{3}-81x^{2}-81x-84) / ((x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)(x-1)^{2})$$

Sequence: A044636
Score: 4.84960
Type of gen. func.: ogf

$$-(44x^{10}-40x^{9}-81x^{8}-81x^{7}-81x^{6}-81x^{5}-81x^{4}-81x^{3}-81x^{2}-81x-85) / ((x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)(x-1)^{2})$$

Sequence: A044637
Score: 4.84960
Type of gen. func.: ogf

$$-(53x^{10}-48x^{9}-81x^{8}-81x^{7}-81x^{6}-81x^{5}-81x^{4}-81x^{3}-81x^{2}-81x-86) / ((x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)$$

```
                  /

           2
    (x - 1) )
```

Sequence: A044638
Score: 4.84960
Type of gen. func.: ogf

```
       10       9       8       7       6       5       4       3       2
- (62 x   - 56 x  - 81 x  - 81 x  - 81 x  - 81 x  - 81 x  - 81 x  - 81 x

                    /            4    3    2            4    3    2
     - 81 x - 87)  /  ((x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1)
                  /

           2
    (x - 1) )
```

Sequence: A044639
Score: 4.84960
Type of gen. func.: ogf

```
       10       9       8       7       6       5       4       3       2
- (71 x   - 64 x  - 81 x  - 81 x  - 81 x  - 81 x  - 81 x  - 81 x  - 81 x

                    /            4    3    2            4    3    2
     - 81 x - 88)  /  ((x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1)
                  /

           2
    (x - 1) )
```

Sequence: A044640
Score: 4.84960
Type of gen. func.: ogf

```
       10       9       8       7       6       5       4       3       2
- (80 x   - 72 x  - 81 x  - 81 x  - 81 x  - 81 x  - 81 x  - 81 x  - 81 x

                    /            4    3    2            4    3    2
     - 81 x - 89)  /  ((x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1)
                  /

           2
    (x - 1) )
```

Sequence: A044641
Score: 10.3143
Type of gen. func.: ogf

$$-\frac{9\,(9\,x^{10}-9\,x^{9}-8\,x-1)}{(x-1)^{2}}$$

Sequence: A044641
Score: 11.3065
Type of gen. func.: lgdogf

$$\frac{72\,x^{10}-153\,x^{9}+81\,x^{8}+8\,x+10}{(x-1)\,(9\,x^{10}-9\,x^{9}-8\,x-1)}$$

Sequence: A044667
Score: 4.84960
Type of gen. func.: ogf

$$(46\,x^{10}+81\,x^{9}+81\,x^{8}+81\,x^{7}+81\,x^{6}+36\,x^{5}+45\,x^{4}+81\,x^{3}+81\,x^{2}+81\,x+35)\,/\,((x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{4}-x^{3}+x^{2}-x+1)\,(x-1)^{2})$$

Sequence: A044668
Score: 4.84960
Type of gen. func.: ogf

$$(45\,x^{10}+81\,x^{9}+81\,x^{8}+81\,x^{7}+81\,x^{6}+28\,x^{5}+53\,x^{4}+81\,x^{3}+81\,x^{2}+81\,x+36)\,/\,((x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{4}-x^{3}+x^{2}-x+1)\,(x-1)^{2})$$

Sequence: A044669
Score: 4.84960
Type of gen. func.: ogf

$$(44\,x^{10}+81\,x^{9}+81\,x^{8}+81\,x^{7}+81\,x^{6}+20\,x^{5}+61\,x^{4}+81\,x^{3}+81\,x^{2}+81\,x+37)\,/\,((x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{4}-x^{3}+x^{2}-x+1)\,(x-1)^{2})$$

Sequence: A044670
Score: 4.84960
Type of gen. func.: ogf

$$(43 x^{10} + 81 x^{9} + 81 x^{8} + 81 x^{7} + 81 x^{6} + 12 x^{5} + 69 x^{4} + 81 x^{3} + 81 x^{2} + 81 x + 38) / ((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2})$$

Sequence: A044671
Score: 4.88475
Type of gen. func.: ogf

$$(42 x^{10} + 81 x^{9} + 81 x^{8} + 81 x^{7} + 81 x^{6} + 4 x^{5} + 77 x^{4} + 81 x^{3} + 81 x^{2} + 81 x + 39) / ((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2})$$

Sequence: A044672
Score: 5.29499
Type of gen. func.: ogf

$$\frac{41 x^{9} + 81 x^{8} + 81 x^{7} + 81 x^{6} + 77 x^{5} + 85 x^{4} + 81 x^{3} + 81 x^{2} + 81 x + 40}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A044673
Score: 4.84960
Type of gen. func.: ogf

$$(40 x^{10} + 81 x^{9} + 81 x^{8} + 81 x^{7} + 69 x^{6} + 12 x^{5} + 81 x^{4} + 81 x^{3} + 81 x^{2} + 81 x + 41) / ((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2})$$

Sequence: A044674
Score: 4.84960
Type of gen. func.: ogf

10 9 8 7 6 5 4 3 2

```
(39 x   + 81 x  + 81 x  + 81 x  + 61 x  + 20 x  + 81 x  + 81 x  + 81 x  + 81 x

             /               4    3    2              4    3    2                 2
     + 42)  /  ((x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1) (x - 1) )
           /
```

Sequence: A044675
Score: 4.84960
Type of gen. func.: ogf

```
     10       9       8       7       6       5       4       3       2
(38 x   + 81 x  + 81 x  + 81 x  + 53 x  + 28 x  + 81 x  + 81 x  + 81 x  + 81 x

             /               4    3    2              4    3    2                 2
     + 43)  /  ((x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1) (x - 1) )
           /
```

Sequence: A044676
Score: 4.84960
Type of gen. func.: ogf

```
     10       9       8       7       6       5       4       3       2
(37 x   + 81 x  + 81 x  + 81 x  + 45 x  + 36 x  + 81 x  + 81 x  + 81 x  + 81 x

             /               4    3    2              4    3    2                 2
     + 44)  /  ((x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1) (x - 1) )
           /
```

Sequence: A044677
Score: 4.84960
Type of gen. func.: ogf

```
     10       9       8       7       6       5       4       3       2
(36 x   + 81 x  + 81 x  + 81 x  + 37 x  + 44 x  + 81 x  + 81 x  + 81 x  + 81 x

             /               4    3    2              4    3    2                 2
     + 45)  /  ((x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1) (x - 1) )
           /
```

Sequence: A044678
Score: 4.84960
Type of gen. func.: ogf

```
     10       9       8       7       6       5       4       3       2
(35 x   + 81 x  + 81 x  + 81 x  + 29 x  + 52 x  + 81 x  + 81 x  + 81 x  + 81 x

             /               4    3    2              4    3    2                 2
     + 46)  /  ((x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1) (x - 1) )
           /
```

Sequence: A044679
Score: 4.84960
Type of gen. func.: ogf

$$(34 x^{10} + 81 x^{9} + 81 x^{8} + 81 x^{7} + 21 x^{6} + 60 x^{5} + 81 x^{4} + 81 x^{3} + 81 x^{2} + 81 x + 47) / ((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2})$$

Sequence: A044680
Score: 4.84960
Type of gen. func.: ogf

$$(33 x^{10} + 81 x^{9} + 81 x^{8} + 81 x^{7} + 13 x^{6} + 68 x^{5} + 81 x^{4} + 81 x^{3} + 81 x^{2} + 81 x + 48) / ((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2})$$

Sequence: A044681
Score: 4.88475
Type of gen. func.: ogf

$$(32 x^{10} + 81 x^{9} + 81 x^{8} + 81 x^{7} + 5 x^{6} + 76 x^{5} + 81 x^{4} + 81 x^{3} + 81 x^{2} + 81 x + 49) / ((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2})$$

Sequence: A044682
Score: 5.29499
Type of gen. func.: ogf

$$\frac{31 x^{9} + 81 x^{8} + 81 x^{7} + 78 x^{6} + 84 x^{5} + 81 x^{4} + 81 x^{3} + 81 x^{2} + 81 x + 50}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A044683
Score: 4.84960
Type of gen. func.: ogf

$$(30 x^{10} + 81 x^9 + 81 x^8 + 70 x^7 + 11 x^6 + 81 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 51) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044684
Score: 4.84960
Type of gen. func.: ogf

$$(29 x^{10} + 81 x^9 + 81 x^8 + 62 x^7 + 19 x^6 + 81 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 52) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044685
Score: 4.84960
Type of gen. func.: ogf

$$(28 x^{10} + 81 x^9 + 81 x^8 + 54 x^7 + 27 x^6 + 81 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 53) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044686
Score: 4.84960
Type of gen. func.: ogf

$$(27 x^{10} + 81 x^9 + 81 x^8 + 46 x^7 + 35 x^6 + 81 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 54) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044687
Score: 4.84960
Type of gen. func.: ogf

$$(26 x^{10} + 81 x^9 + 81 x^8 + 38 x^7 + 43 x^6 + 81 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 55) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044688
Score: 4.84960
Type of gen. func.: ogf

$$(25 x^{10} + 81 x^9 + 81 x^8 + 30 x^7 + 51 x^6 + 81 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 56) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044689
Score: 4.84960
Type of gen. func.: ogf

$$(24 x^{10} + 81 x^9 + 81 x^8 + 22 x^7 + 59 x^6 + 81 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 57) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044690
Score: 4.84960
Type of gen. func.: ogf

$$(23 x^{10} + 81 x^9 + 81 x^8 + 14 x^7 + 67 x^6 + 81 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 58) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044691
Score: 4.88475
Type of gen. func.: ogf

$$(22 x^{10} + 81 x^9 + 81 x^8 + 6 x^7 + 75 x^6 + 81 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 59) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044692
Score: 5.29499
Type of gen. func.: ogf

$$\frac{21 x^9 + 81 x^8 + 79 x^7 + 83 x^6 + 81 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 60}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A044693
Score: 4.84960
Type of gen. func.: ogf

$$(20 x^{10} + 81 x^9 + 71 x^8 + 10 x^7 + 81 x^6 + 81 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 61) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044694
Score: 4.84960
Type of gen. func.: ogf

$$(19 x^{10} + 81 x^9 + 63 x^8 + 18 x^7 + 81 x^6 + 81 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 62) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044695
Score: 4.84960
Type of gen. func.: ogf

$$(18 x^{10} + 81 x^9 + 55 x^8 + 26 x^7 + 81 x^6 + 81 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 63) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044696
Score: 4.84960
Type of gen. func.: ogf

$$(17 x^{10} + 81 x^9 + 47 x^8 + 34 x^7 + 81 x^6 + 81 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 64) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044697
Score: 4.84960
Type of gen. func.: ogf

$$(16 x^{10} + 81 x^9 + 39 x^8 + 42 x^7 + 81 x^6 + 81 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 65) \Big/ ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044698
Score: 4.84960
Type of gen. func.: ogf

$$(15 x^{10} + 81 x^9 + 31 x^8 + 50 x^7 + 81 x^6 + 81 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 66) \Big/ ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044699
Score: 4.84960
Type of gen. func.: ogf

$$(14 x^{10} + 81 x^9 + 23 x^8 + 58 x^7 + 81 x^6 + 81 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 67) \Big/ ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044700
Score: 4.84960
Type of gen. func.: ogf

$$(13 x^{10} + 81 x^9 + 15 x^8 + 66 x^7 + 81 x^6 + 81 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 68) \Big/ ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044701
Score: 4.88475

Type of gen. func.: ogf

$$(12 x^{10} + 81 x^9 + 7 x^8 + 74 x^7 + 81 x^6 + 81 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 69) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044702
Score: 5.29499
Type of gen. func.: ogf

$$\frac{11 x^9 + 80 x^8 + 82 x^7 + 81 x^6 + 81 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 70}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A044703
Score: 5.29499
Type of gen. func.: ogf

$$\frac{10 x^9 + 72 x^8 + 90 x^7 + 81 x^6 + 81 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 71}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A044704
Score: 4.88475
Type of gen. func.: ogf

$$(9 x^{10} + 64 x^9 + 17 x^8 + 81 x^7 + 81 x^6 + 81 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 72) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044705
Score: 4.88475
Type of gen. func.: ogf

$$(8 x^{10} + 56 x^9 + 25 x^8 + 81 x^7 + 81 x^6 + 81 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 73) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044706
Score: 4.88475
Type of gen. func.: ogf

$$(7 x^{10} + 48 x^9 + 33 x^8 + 81 x^7 + 81 x^6 + 81 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 74) \Big/ ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044707
Score: 4.88475
Type of gen. func.: ogf

$$(6 x^{10} + 40 x^9 + 41 x^8 + 81 x^7 + 81 x^6 + 81 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 75) \Big/ ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044708
Score: 4.88475
Type of gen. func.: ogf

$$(5 x^{10} + 32 x^9 + 49 x^8 + 81 x^7 + 81 x^6 + 81 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 76) \Big/ ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044709
Score: 5.90308
Type of gen. func.: ogf

$$(4 x^{10} + 32 x^9 + 49 x^8 + 81 x^7 + 81 x^6 + 81 x^5 + 81 x^4 + 81 x^3 + 81 x^2 + 81 x + 77) \Big/ ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044710
Score: 4.88475

Type of gen. func.: ogf

$$(3 x^{10} + 16 x^{9} + 65 x^{8} + 81 x^{7} + 81 x^{6} + 81 x^{5} + 81 x^{4} + 81 x^{3} + 81 x^{2} + 81 x + 78) \Big/ ((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2})$$

Sequence: A044711
Score: 4.92040
Type of gen. func.: ogf

$$(2 x^{10} + 8 x^{9} + 73 x^{8} + 81 x^{7} + 81 x^{6} + 81 x^{5} + 81 x^{4} + 81 x^{3} + 81 x^{2} + 81 x + 79) \Big/ ((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2})$$

Sequence: A044712
Score: 14.7339
Type of gen. func.: ogf

$$\frac{x + 80}{(x - 1)^{2}}$$

Sequence: A044712
Score: 20.0941
Type of gen. func.: revogf

$$- \frac{-40 - x + (1600 + 81 x)^{1/2}}{x - 1}$$

Sequence: A044712
Score: 31.5764
Type of gen. func.: lgdogf

$$- \frac{161 + x}{(x + 80) (x - 1)}$$

Sequence: A044712
Score: 7.36694
Type of gen. func.: ogf

$$(162 f(x) + 12961) (f(x) x^2 - 2 f(x) x + f(x) - x - 80)$$

Sequence: A044712
Score: 7.97364
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 80, a(1) = 161\}$$

Sequence: A044713
Score: 4.52241
Type of gen. func.: ogf

$$- (9 x^{10} - 109 x^9 - 100 x^8 - 100 x^7 - 100 x^6 - 100 x^5 - 100 x^4 - 100 x^3 - 100 x^2 - 100 x - 100) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044723
Score: 10.6418
Type of gen. func.: lgdogf

$$\frac{90 x^{11} - 190 x^{10} + 100 x^9 + 9 x + 11}{(x - 1) (10 x^{11} - 10 x^{10} - 9 x - 1)}$$

Sequence: A044723
Score: 9.92878
Type of gen. func.: ogf

$$- \frac{10 (10 x^{11} - 10 x^{10} - 9 x - 1)}{(x - 1)^2}$$

Sequence: A044757
Score: 4.66045
Type of gen. func.: ogf

$$(56 x^{10} + 100 x^{9} + 100 x^{8} + 100 x^{7} + 100 x^{6} + 95 x^{5} + 105 x^{4} + 100 x^{3} + 100 x^{2} + 100 x + 44) \Big/ ((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2})$$

Sequence: A044768
Score: 4.66045
Type of gen. func.: ogf

$$(45 x^{10} + 100 x^{9} + 100 x^{8} + 100 x^{7} + 96 x^{6} + 104 x^{5} + 100 x^{4} + 100 x^{3} + 100 x^{2} + 100 x + 55) \Big/ ((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2})$$

Sequence: A044779
Score: 4.66045
Type of gen. func.: ogf

$$(34 x^{10} + 100 x^{9} + 100 x^{8} + 97 x^{7} + 103 x^{6} + 100 x^{5} + 100 x^{4} + 100 x^{3} + 100 x^{2} + 100 x + 66) \Big/ ((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2})$$

Sequence: A044790
Score: 4.66045
Type of gen. func.: ogf

$$(23 x^{10} + 100 x^{9} + 98 x^{8} + 102 x^{7} + 100 x^{6} + 100 x^{5} + 100 x^{4} + 100 x^{3} + 100 x^{2} + 100 x + 77) \Big/ ((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1)$$

^{2}

$$(x - 1))$$

Sequence: A044801
Score: 4.66045
Type of gen. func.: ogf

$$(12 x^{10} + 99 x^9 + 101 x^8 + 100 x^7 + 100 x^6 + 100 x^5 + 100 x^4 + 100 x^3 + 100 x^2 + 100 x + 88) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044802
Score: 4.66045
Type of gen. func.: ogf

$$(11 x^{10} + 90 x^9 + 110 x^8 + 100 x^7 + 100 x^6 + 100 x^5 + 100 x^4 + 100 x^3 + 100 x^2 + 100 x + 89) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044812
Score: 14.8932
Type of gen. func.: ogf

$$\frac{x + 99}{(x - 1)^2}$$

Sequence: A044812
Score: 16.7608
Type of gen. func.: revogf

$$- \frac{-99 - 2 x + (9801 + 400 x)^{1/2}}{2 (x - 1)}$$

Sequence: A044812
Score: 31.9253
Type of gen. func.: lgdogf

$$-\frac{199 + x}{(x + 99)\ (x - 1)}$$

Sequence: A044812
Score: 7.44659
Type of gen. func.: ogf

$$(200\ f(x) + 19801)\ (f(x)\ x^2 - 2\ f(x)\ x + f(x) - x - 99)$$

Sequence: A044812
Score: 8.05984
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\ a(n + 1) - a(n),\ a(0) = 99,\ a(1) = 199\}$$

Sequence: A044833
Score: 7.31797
Type of gen. func.: ogf

$$\frac{8\ (43\ x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\ (x - 1)^2}$$

Sequence: A044834
Score: 6.67000
Type of gen. func.: ogf

$$\frac{9\ (57\ x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x + 1)\ (x^2 + 1)\ (x^4 + 1)\ (x - 1)^2}$$

Sequence: A044835
Score: 5.66319
Type of gen. func.: ogf

$$\frac{10\,(73\,x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)}{(x^{2}+x+1)\,(x^{6}+x^{3}+1)\,(x-1)^{2}}$$

Sequence: A044836
Score: 5.20949
Type of gen. func.: ogf

$$\frac{11\,(91\,x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)}{(x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{4}-x^{3}+x^{2}-x+1)\,(x-1)^{2}}$$

Sequence: A044837
Score: 4.84002
Type of gen. func.: ogf

$$\frac{12\,(111\,x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)}{(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)\,(x-1)^{2}}$$

Sequence: A044838
Score: 4.51949
Type of gen. func.: ogf

$$\frac{13\,(133\,x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)}{(x+1)\,(x^{2}+1)\,(x^{2}+x+1)\,(x^{2}-x+1)\,(x^{4}-x^{2}+1)\,(x-1)^{2}}$$

Sequence: A044839
Score: 4.21586
Type of gen. func.: ogf

$$14\,(157\,x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)\ \Big/\ \left((x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)\,(x-1)^{2}\right)$$

Sequence: A044840
Score: 3.96932
Type of gen. func.: ogf

$$15 (183 x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) / ((x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^6 - x^5 + x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A044841
Score: 3.72964
Type of gen. func.: ogf

$$16 (211 x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) / ((x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^8 - x^7 + x^5 - x^4 + x^3 - x + 1) (x - 1)^2)$$

Sequence: A044885
Score: 4.31437
Type of gen. func.: ogf

$$- \frac{2575 x^{15} + 32901 x^{14} - 35686 x^{13} + 35672 x^2 - 32941 x - 2745}{(x^{14} + 13 x^{13} + 13 x + 1) (x - 1)^2}$$

Sequence: A044909
Score: 4.18338
Type of gen. func.: ogf

$$- (56 x^{15} - 8 x^{14} - 8 x^{13} - 8 x^{12} - 8 x^{11} - 8 x^{10} - 8 x^9 - 8 x^8 - 57 x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 1) / ((x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2)$$

Sequence: A044940

Score: 19.1778
Type of gen. func.: lgdogf

$$\frac{10 x^{9} (71 x^{51} - 10)}{71 x^{51} + 10 x^{10} - 10}$$

Sequence: A044941
Score: 14.1310
Type of gen. func.: lgdogf

$$-\frac{11 x^{10}}{(x - 1) (x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A044941
Score: 14.6607
Type of gen. func.: ogf

$$-\frac{x^{10}}{(x - 1) (x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A044941
Score: 25.1863
Type of gen. func.: ogf_with_Euler_transform]

$$[x^{10}]$$

Sequence: A045213
Score: 4.48710
Type of gen. func.: ogf

$$- (620 x^{10} - 16 x^{9} - 80 x^{8} - 400 x^{7} - 149 x^{6} - 80 x^{5} - 16 x^{4} - 384 x^{3} - 16 x^{2} - 80 x - 2524) \Big/ ((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2})$$

Sequence: A045379
Score: 18.0880
Type of gen. func.: lgdegf]

$$-a(n) + (n + 1) a(n + 1), a(0) = 5, a(1) = 1$$

Sequence: A045445
Score: 10.409
Type of gen. func.: ogf

$$x^3 f(x)^2 - 7 f(x) x^2 + 6 f(x) x - f(x) + x$$

Sequence: A045445
Score: 13.1953
Type of gen. func.: lgdogf

$$- \frac{2 ((x - 1)^{1/2} (5 x - 1)^{1/2} + 1)}{(x - 1)^{1/2} (5 x - 1)^{1/2} x}$$

Sequence: A045445
Score: 4.50277
Type of gen. func.: ogf

$$\{(-5 n^2 - 25 n - 30) a(n + 1) + (6 n^2 + 39 n + 63) a(n + 2)$$
$$+ (-n^2 - 8 n - 12) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 6\}$$

Sequence: A045492
Score: 9.41169
Type of gen. func.: lgdogf

$$-19 + 400 x + (160 x^2 - 44 x + 1) f(x) + (16 x^3 - 8 x^2 + x) f(x)^2$$

Sequence: A045496
Score: 7.54827

Type of gen. func.: lgdogf

$$\frac{2009 x^8 - 3646 x^7 + 1380 x^6 + 218 x^5 - 37 x^4 + 80 x^3 - 8 x^2 + 4 x + 1}{(x - 1) (287 x^8 - 225 x^7 - 39 x^6 - 4 x^5 - 19 x^4 + 2 x^3 - 2 x^2 - 1)}$$

Sequence: A045496
Score: 9.72727
Type of gen. func.: ogf

$$\frac{287 x^8 - 225 x^7 - 39 x^6 - 4 x^5 - 19 x^4 + 2 x^3 - 2 x^2 - 1}{x - 1}$$

Sequence: A045497
Score: 10.1548
Type of gen. func.: ogf

$$\frac{288 x^8 - 225 x^7 - 39 x^6 - 24 x^4 + 3 x^3 - 2 x^2 - x - 1}{x - 1}$$

Sequence: A045497
Score: 7.67621
Type of gen. func.: lgdogf

$$\frac{2016 x^8 - 3654 x^7 + 1380 x^6 + 234 x^5 - 72 x^4 + 102 x^3 - 11 x^2 + 4 x + 2}{(x - 1) (288 x^8 - 225 x^7 - 39 x^6 - 24 x^4 + 3 x^3 - 2 x^2 - x - 1)}$$

Sequence: A045502
Score: 12.3850
Type of gen. func.: lgdogf

$$- \frac{3 (x^2 - 66 x + 33)}{(x - 1) (x^2 - 98 x + 1)}$$

Sequence: A045502
Score: 12.8632
Type of gen. func.: ogf

$$-\frac{40\,x}{(x - 1)\,(x^2 - 98\,x + 1)}$$

Sequence: A045502
Score: 5.27722
Type of gen. func.: ogf

$$\{a(n + 3) - 99\,a(n + 2) + 99\,a(n + 1) - a(n),\ a(0) = 0,\ a(1) = 40,\ a(2) = 3960\}$$

Sequence: A045502
Score: 7.71794
Type of gen. func.: ogf

$$f(x)\,x^3 - 99\,f(x)\,x^2 + 99\,f(x)\,x - f(x) + 40\,x$$

Sequence: A045505
Score: 2.96027
Type of gen. func.: ogf

$$\{(-16\,n^2 - 216\,n - 728)\,a(n + 1) + (8\,n^2 + 82\,n + 174)\,a(n + 2)$$

$$+ (-n^2 - 7\,n - 12)\,a(n + 3),\ a(0) = 1,\ a(1) = 21,\ a(2) = 262\}$$

Sequence: A045505
Score: 9.62201
Type of gen. func.: lgdogf

$$-21 + 484\,x + (176\,x^2 - 48\,x + 1)\,f(x) + (16\,x^3 - 8\,x^2 + x)\,f(x)^2$$

Sequence: A045506
Score: 12.8686
Type of gen. func.: ogf

$$x^3 - 2\,x^2 - 3\,x + 1$$

```
                              - -------------------
                                                2
                                 (x + 1) (x - 1)
```

Sequence: A045506
Score: 18.6211
Type of gen. func.: lgdogf

$$\frac{x^3 + 5 x^2 + 4 x + 2}{(x - 1) (x + 1) (x^3 - 2 x^2 - 3 x + 1)}$$

Sequence: A045506
Score: 6.72679
Type of gen. func.: ogf

$\{a(n + 4) - a(n + 3) - a(n + 2) + a(n + 1), a(0) = -1, a(1) = 2, a(2) = 3,$

$a(3) = 5\}$

Sequence: A045506
Score: 7.16077
Type of gen. func.: ogf

$$-(3 f(x) - 14) (f(x) x^3 - f(x) x^2 + x^3 - f(x) x - 2 x^2 + f(x) - 3 x + 1)$$

Sequence: A045530
Score: 3.02359
Type of gen. func.: ogf

$\{(-16 n^2 - 232 n - 840) a(n + 1) + (8 n^2 + 86 n + 186) a(n + 2)$

$+ (-n^2 - 7 n - 12) a(n + 3), a(0) = 1, a(1) = 23, a(2) = 310\}$

Sequence: A045530
Score: 9.83233
Type of gen. func.: lgdogf

$$-23 + 576 x + (192 x^2 - 52 x + 1) f(x) + (16 x^3 - 8 x^2 + x) f(x)^2$$

Sequence: A045543
Score: 46.1296
Type of gen. func.: lgdogf

$$-\frac{24}{-1+4x}$$

Sequence: A045543
Score: 5.33332
Type of gen. func.: ogf

$$\{(-n-2)\,a(n+2)+(28+4n)\,a(n+1),\ a(0)=1,\ a(1)=24\}$$

Sequence: A045543
Score: 7.06665
Type of gen. func.: ogf

$$\frac{1}{(-1+4x)^{6}}$$

Sequence: A045572
Score: 11.0950
Type of gen. func.: ogf

$$\frac{x^{4}+2x^{3}+4x^{2}+2x+1}{(x^{2}+1)(x+1)(x-1)^{2}}$$

Sequence: A045572
Score: 9.20667
Type of gen. func.: lgdogf

$$-\frac{x^{7}+5x^{6}+15x^{5}+15x^{4}+17x^{3}+13x^{2}+11x+3}{(x-1)(x+1)(x^{2}+1)(x^{4}+2x^{3}+4x^{2}+2x+1)}$$

Sequence: A045582
Score: 12.9598
Type of gen. func.: ogf

$$(11 f(x) x - f(x) + 1)^2$$

Sequence: A045618
Score: 13.1328
Type of gen. func.: ogf

$$\frac{1}{(2 x - 1)^2 (x - 1)^2}$$

Sequence: A045618
Score: 26.2577
Type of gen. func.: lgdogf

$$- \frac{2 (-3 + 4 x)}{(2 x - 1) (x - 1)}$$

Sequence: A045618
Score: 4.37759
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 3) + (12 + 3 n) a(n + 2) + (-10 - 2 n) a(n + 1), a(0) = 1,$$
$$a(1) = 6, a(2) = 23\}$$

Sequence: A045618
Score: 5.44531
Type of gen. func.: ogf

$$(257 f(x) + 140) (4 f(x) x^4 - 12 f(x) x^3 + 13 f(x) x^2 - 6 f(x) x + f(x) - 1)$$

Sequence: A045621
Score: 3.69175
Type of gen. func.: ogf

$$\{(-8 n - 16) a(n + 1) + (4 n + 8) a(n + 2) + (2 n + 10) a(n + 3)$$

$$+ (-n - 5)\, a(n + 4),\ a(0) = 0,\ a(1) = 1,\ a(2) = 2,\ a(3) = 5\}$$

Sequence: A045621
Score: 7.65551
Type of gen. func.: ogf

$$4 x^3 f(x)^2 - 4 f(x)^2 x^2 + f(x)^2 x + 2 f(x) x - f(x) + x$$

Sequence: A045622
Score: 3.07108
Type of gen. func.: ogf

$$\{(-16 n^2 - 248 n - 960)\, a(n + 1) + (8 n^2 + 90 n + 198)\, a(n + 2)$$

$$+ (-n^2 - 7 n - 12)\, a(n + 3),\ a(0) = 1,\ a(1) = 25,\ a(2) = 362\}$$

Sequence: A045622
Score: 9.99006
Type of gen. func.: lgdogf

$$-25 + 676 x + (208 x^2 - 56 x + 1) f(x) + (16 x^3 - 8 x^2 + x) f(x)^2$$

Sequence: A045623
Score: 12.7064
Type of gen. func.: ogf

$$\frac{(x - 1)^2}{(2 x - 1)^2}$$

Sequence: A045623
Score: 41.2395
Type of gen. func.: lgdogf

$$\frac{2}{(2 x - 1) (x - 1)}$$

Sequence: A045623
Score: 6.60233
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A045623
Score: 8.57564
Type of gen. func.: ogf

$$(27 f(x) + 37) (4 f(x) x^2 - 4 f(x) x - x^2 + f(x) + 2 x - 1)$$

Sequence: A045624
Score: 13.0665
Type of gen. func.: revogf

$$\frac{(17 x + 1)^{(1/4)} - (x + 1)^{(1/4)}}{4 (17 x + 1)^{1/4}}$$

Sequence: A045624
Score: 4.09221
Type of gen. func.: ogf

$$(20468 f(x) + 8943) (272 f(x) x^4 - 272 f(x) x^3 + 102 f(x) x^2 + 16 x^3 - 17 f(x) x - 16 x^2 + f(x) + 6 x - 1)$$

Sequence: A045624
Score: 7.28033
Type of gen. func.: ogf

$$- \frac{(2 x - 1) (8 x^2 - 4 x + 1)}{272 x^4 - 272 x^3 + 102 x^2 - 17 x + 1}$$

Sequence: A045626
Score: 6.70788
Type of gen. func.: ogf

$$-\frac{2 x^{4} + x^{3} - 2 x^{2} - 3 x + 1}{(x + 1) (x^{4} - 2 x^{3} + x^{2} - 2 x + 1)}$$

Sequence: A045635
Score: 3.36709
Type of gen. func.: ogf

$$\{(-5 n^{2} - 25 n - 30) a(n + 1) + (6 n^{2} + 39 n + 63) a(n + 2) + (-n^{2} - 8 n - 7) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A045635
Score: 5.86741
Type of gen. func.: ogf

$$f(x)^{2} x^{4} + 18 f(x) x^{3} - 24 f(x) x^{2} + 9 f(x) x + x^{2} - f(x)$$

Sequence: A045635
Score: 9.77228
Type of gen. func.: lgdogf

$$-\frac{3 ((x - 1)^{1/2} (5 x - 1)^{1/2} + 1)}{(x - 1)^{1/2} (5 x - 1)^{1/2} x}$$

Sequence: A045651
Score: 4.79840
Type of gen. func.: ogf

$$\frac{x^{8} + 8 x^{7} + 28 x^{6} + 56 x^{5} + 198 x^{4} + 56 x^{3} + 28 x^{2} + 8 x + 1}{(x - 1)^{8}}$$

Sequence: A045651
Score: 5.09077
Type of gen. func.: lgdogf

$$-\frac{16 (x + 1) (x^6 + 6 x^5 + 15 x^4 + 52 x^3 + 15 x^2 + 6 x + 1)}{(x - 1) (x^8 + 8 x^7 + 28 x^6 + 56 x^5 + 198 x^4 + 56 x^3 + 28 x^2 + 8 x + 1)}$$

Sequence: A045694
Score: 3.32831
Type of gen. func.: ogf

$$(281 x^{13} - 3677 x^{12} - 1132 x^{11} - 699 x^9 + 183 x^8 - 172 x^7 - 208 x^5 + 574 x^4 + 122 x^3 + 61 x - 61) / ((3 x - 1) (3677 x^{12} - 183 x^8 - 574 x^4 + 61))$$

Sequence: A045720
Score: 10.9029
Type of gen. func.: lgdogf

$$-27 + 144 x + (96 x^2 - 36 x + 3) f(x) + (16 x^3 - 8 x^2 + x) f(x)^2$$

Sequence: A045720
Score: 3.32623
Type of gen. func.: ogf

$$\{(-16 n^2 - 136 n - 288) a(n + 1) + (8 n^2 + 70 n + 144) a(n + 2) + (-n^2 - 9 n - 18) a(n + 3), a(0) = 1, a(1) = 9, a(2) = 57\}$$

Sequence: A045721
Score: 10.3409
Type of gen. func.: ogf

$$\mathrm{hypergeom}([2/3, 4/3], [3/2], \frac{27 x}{4})$$

Sequence: A045721
Score: 12.2415
Type of gen. func.: revogf

$$\frac{(1 + 27 x^2 + ((9 x^2 + 2 x + 1) (9 x - 1)^2)^{1/2}) x}{2}$$

Sequence: A045721
Score: 4.72260
Type of gen. func.: ogf

$$\{(-27 n^2 - 108 n - 105) a(n + 1) + (4 n^2 + 18 n + 20) a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A045721
Score: 9.99618
Type of gen. func.: ogf

$$27 f(x)^3 x^2 - 4 f(x)^3 x + f(x) - 1$$

Sequence: A045722
Score: 3.04452
Type of gen. func.: ogf

$$27 f(x)^3 x^3 - 4 f(x)^3 x^2 + 81 x^3 f(x)^2 - 66 f(x)^2 x^2 + 81 f(x) x^3 + 8 f(x)^2 x - 120 f(x) x^2 + 27 x^3 + 44 f(x) x - 58 x^2 - 4 f(x) - 28 x + 4$$

Sequence: A045724
Score: 3.06016
Type of gen. func.: ogf

$$\{(-16 n^2 - 168 n - 440) a(n + 1) + (8 n^2 + 70 n + 138) a(n + 2) + (-n^2 - 7 n - 12) a(n + 3), a(0) = 1, a(1) = 15, a(2) = 142\}$$

Sequence: A045724
Score: 9.95010
Type of gen. func.: lgdogf

$$-15 + 256 x + (128 x^2 - 36 x + 1) f(x) + (16 x^3 - 8 x^2 + x) f(x)^2$$

Sequence: A045736
Score: 4.65080
Type of gen. func.: ogf

$$- (400 x^{11} - 50 x^{10} - 350 x^9 - 600 x^8 - 50 x^7 - 16 x^6 - 34 x^5 - 50 x^4 - 16 x^3 - 4 x^2 - 6 x - 1) / ((x - 1) (1000 x^{11} - 1))$$

Sequence: A045737
Score: 4.37942
Type of gen. func.: ogf

$$\{(-27 n^2 - 81 n - 60) a(n + 1) + (4 n^2 + 14 n) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 3\}$$

Sequence: A045737
Score: 4.41338
Type of gen. func.: ogf

$$27 f(x)^3 x^4 - 4 f(x)^3 x^3 - 42 f(x) x^3 + 42 f(x) x^2 + 8 x^3 - 12 f(x) x - 3 x^2 + f(x)$$

Sequence: A045737
Score: 8.13321
Type of gen. func.: ogf

$$3 x^2 \mathrm{hypergeom}([7/3, 8/3], [9/2], \frac{27 x}{4})$$

Sequence: A045738
Score: 5.36215

Type of gen. func.: ogf

$$27 f(x)^{3} x^{4} - 4 f(x)^{3} x^{3} - 24 f(x) x^{3} + 28 f(x) x^{2} + 8 x^{3} - 10 f(x) x - 12 x^{2} + f(x) + 6 x - 1$$

Sequence: A045741
Score: 6.01552
Type of gen. func.: revogf

$$\left(6 (12 x^{2} + 12 x + 1)^{1/2} x^{2} - 3 (12 x^{2} + 12 x + 1)^{1/2} x - (12 x^{2} + 12 x + 1)^{1/2} + 9 x + 1\right) / (216 x^{3})$$

Sequence: A045741
Score: 7.23065
Type of gen. func.: ogf

$$-108 f(x)^{3} x^{4} + f(x)^{3} x^{2} + 9 f(x) x - f(x) + 1$$

Sequence: A045743
Score: 28.7707
Type of gen. func.: revogf

$$- \frac{x (x^{2} - x - 1)}{(x + 1)^{4}}$$

Sequence: A045744
Score: 28.7590
Type of gen. func.: revogf

$$- \frac{x (x^{3} - x - 1)}{(x + 1)^{5}}$$

Sequence: A045754

Score: 11.8825
Type of gen. func.: revegf]

$$-\frac{(1-6x)^{1/6}}{7}+\frac{6\,(1-6x)^{1/6}\,x}{7}+1/7$$

Sequence: A045754
Score: 33.2711
Type of gen. func.: lgdegf]

$$-1+(1-7x)\,f(x)$$

Sequence: A045754
Score: 5.79724
Type of gen. func.: ogf

$$\{(-7n-8)\,a(n+1)+a(n+2),\ a(0)=1,\ a(1)=1\}$$

Sequence: A045755
Score: 12.1466
Type of gen. func.: revegf]

$$-\frac{(1-7x)^{1/7}}{8}+\frac{7\,(1-7x)^{1/7}\,x}{8}+1/8$$

Sequence: A045755
Score: 34.0104
Type of gen. func.: lgdegf]

$$-1+(1-8x)\,f(x)$$

Sequence: A045755
Score: 5.92326
Type of gen. func.: ogf

$$\{(-8n-9)\,a(n+1)+a(n+2),\ a(0)=1,\ a(1)=1\}$$

Sequence: A045756
Score: 27.0504
Type of gen. func.: lgdegf]

$$-10 + (1 - 9 x) f(x)$$

Sequence: A045756
Score: 4.92624
Type of gen. func.: ogf

$$\{(-9 n - 19) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 10\}$$

Sequence: A045756
Score: 6.76259
Type of gen. func.: revegf]

$$\frac{(x^2 + 3 x + 3) (x^6 + 6 x^5 + 15 x^4 + 21 x^3 + 18 x^2 + 9 x + 3) x}{9 (x + 1)^9}$$

Sequence: A045757
Score: 25.6144
Type of gen. func.: lgdegf]

$$-11 + (1 - 10 x) f(x)$$

Sequence: A045757
Score: 4.90111
Type of gen. func.: ogf

$$\{(-10 n - 21) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 11\}$$

Sequence: A045757
Score: 6.13303
Type of gen. func.: revegf]

$$\frac{x (x + 2) (x^4 + 3 x^3 + 4 x^2 + 2 x + 1) (x^4 + 5 x^3 + 10 x^2 + 10 x + 5)}{10 (x + 1)^{10}}$$

Sequence: A045785
Score: 4.84259
Type of gen. func.: ogf

$$-\left(16965 x^{16} - 34104 x^{15} + 17139 x^{14} + 1647 x^{6} - 3348 x^{5} + 1701 x^{4} + 171 x^{3} - 344 x^{2} + 150 x + 25\right) \Big/ (x - 1)^{3}$$

Sequence: A045786
Score: 5.27141
Type of gen. func.: ogf

$$-\left(25960 x^{14} - 52140 x^{13} + 26180 x^{12} + 2555 x^{5} - 5180 x^{4} + 2878 x^{3} - 503 x^{2} + 216 x + 36\right) \Big/ (x - 1)^{3}$$

Sequence: A045794
Score: 5.94171
Type of gen. func.: lgdogf

$$-\left(2 x^{15} - 3 x^{14} + 4 x^{13} - x^{12} + 8 x^{10} - 4 x^{9} + 18 x^{8} - 2 x^{7} + 12 x^{6} + 8 x^{4} + 6 x^{3} + 9 x^{2} + 2 x + 1\right) \Big/ \left(\left(x^{7} - x^{6} + x^{5} + x^{2} + x + 1\right)\left(x^{9} + x^{6} + 3 x^{3} - 1\right)\right)$$

Sequence: A045794
Score: 8.51200
Type of gen. func.: ogf

$$-\frac{x^{7} - x^{6} + x^{5} + x^{2} + x + 1}{x^{9} + x^{6} + 3 x^{3} - 1}$$

Sequence: A045797
Score: 10.7296

Type of gen. func.: ogf

$$\frac{11 x^4 + 2 x^3 + 4 x^2 + 2 x + 1}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A045797
Score: 8.37489
Type of gen. func.: lgdogf

$$- \frac{11 x^7 + 15 x^6 + 25 x^5 + 25 x^4 + 57 x^3 + 13 x^2 + 11 x + 3}{(x - 1) (x + 1) (x^2 + 1) (11 x^4 + 2 x^3 + 4 x^2 + 2 x + 1)}$$

Sequence: A045798
Score: 7.94497
Type of gen. func.: lgdogf

$$- \frac{x^7 + 5 x^6 + 15 x^5 + 15 x^4 + 67 x^3 + 23 x^2 + 21 x + 13}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 2 x^3 + 4 x^2 + 2 x + 11)}$$

Sequence: A045798
Score: 9.67547
Type of gen. func.: ogf

$$\frac{x^4 + 2 x^3 + 4 x^2 + 2 x + 11}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A045800
Score: 10.2505
Type of gen. func.: ogf

$$\frac{51 x^4 + 6 x^3 + 36 x^2 + 6 x + 1}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A045800
Score: 7.78569
Type of gen. func.: lgdogf

$$-\frac{51x^7+63x^6+165x^5+117x^4+257x^3+61x^2+79x+7}{(x-1)(x+1)(x^2+1)(51x^4+6x^3+36x^2+6x+1)}$$

Sequence: A045801
Score: 10.0940
Type of gen. func.: ogf

$$\frac{23x^4+4x^3+34x^2+28x+11}{(x^2+1)(x+1)(x-1)^2}$$

Sequence: A045801
Score: 7.56570
Type of gen. func.: lgdogf

$$-\frac{23x^7+31x^6+129x^5+173x^4+213x^3+85x^2+107x+39}{(x-1)(x+1)(23x^4+4x^3+34x^2+28x+11)(x^2+1)}$$

Sequence: A045802
Score: 10.1712
Type of gen. func.: ogf

$$\frac{53x^4+18x^3+8x^2+18x+3}{(x^2+1)(x+1)(x-1)^2}$$

Sequence: A045802
Score: 7.74808
Type of gen. func.: lgdogf

$$-\frac{53x^7+89x^6+95x^5+151x^4+271x^3+83x^2+37x+21}{}$$

4 3 2 2

$$(x - 1) (x + 1) (53 x + 18 x + 8 x + 18 x + 3) (x + 1)$$

Sequence: A045803
Score: 10.2202
Type of gen. func.: ogf

$$\frac{67 x^4 + 2 x^3 + 12 x^2 + 2 x + 17}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A045803
Score: 7.78606
Type of gen. func.: lgdogf

$$- \frac{67 x^7 + 71 x^6 + 105 x^5 + 89 x^4 + 369 x^3 + 37 x^2 + 43 x + 19}{(x - 1) (x + 1) (x^2 + 1) (67 x^4 + 2 x^3 + 12 x^2 + 2 x + 17)}$$

Sequence: A045804
Score: 10.0457
Type of gen. func.: ogf

$$\frac{13 x^4 + 24 x^3 + 22 x^2 + 32 x + 9}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A045804
Score: 7.52879
Type of gen. func.: lgdogf

$$- \frac{13 x^7 + 61 x^6 + 103 x^5 + 187 x^4 + 175 x^3 + 135 x^2 + 85 x + 41}{(x - 1) (x + 1) (x^2 + 1) (13 x^4 + 24 x^3 + 22 x^2 + 32 x + 9)}$$

Sequence: A045805
Score: 10.3495
Type of gen. func.: ogf

$$\frac{x^4 + 6 x^3 + 36 x^2 + 6 x + 51}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A045805
Score: 8.10065
Type of gen. func.: lgdogf

$$- \frac{x^7 + 13 x^6 + 115 x^5 + 67 x^4 + 307 x^3 + 111 x^2 + 129 x + 57}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 6 x^3 + 36 x^2 + 6 x + 51)}$$

Sequence: A045806
Score: 10.0940
Type of gen. func.: ogf

$$\frac{11 x^4 + 28 x^3 + 34 x^2 + 4 x + 23}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A045806
Score: 7.63775
Type of gen. func.: lgdogf

$$- \frac{11 x^7 + 67 x^6 + 141 x^5 + 89 x^4 + 225 x^3 + 145 x^2 + 95 x + 27}{(x - 1) (x + 1) (x^2 + 1) (11 x^4 + 28 x^3 + 34 x^2 + 4 x + 23)}$$

Sequence: A045807
Score: 10.2202
Type of gen. func.: ogf

$$\frac{3 x^4 + 18 x^3 + 8 x^2 + 18 x + 53}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A045807

Score: 7.78606
Type of gen. func.: lgdogf

$$-\frac{3 x^7 + 39 x^6 + 45 x^5 + 101 x^4 + 321 x^3 + 133 x^2 + 87 x + 71}{(x - 1) (x + 1) (3 x^4 + 18 x^3 + 8 x^2 + 18 x + 53) (x^2 + 1)}$$

Sequence: A045808
Score: 10.2202
Type of gen. func.: ogf

$$\frac{17 x^4 + 2 x^3 + 12 x^2 + 2 x + 67}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A045808
Score: 7.86239
Type of gen. func.: lgdogf

$$-\frac{17 x^7 + 21 x^6 + 55 x^5 + 39 x^4 + 419 x^3 + 87 x^2 + 93 x + 69}{(x - 1) (x + 1) (x^2 + 1) (17 x^4 + 2 x^3 + 12 x^2 + 2 x + 67)}$$

Sequence: A045809
Score: 10.0940
Type of gen. func.: ogf

$$\frac{9 x^4 + 32 x^3 + 22 x^2 + 24 x + 13}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A045809
Score: 7.63775
Type of gen. func.: lgdogf

$$-\frac{9 x^7 + 73 x^6 + 107 x^5 + 159 x^4 + 179 x^3 + 155 x^2 + 81 x + 37}{(x - 1) (x + 1) (x^2 + 1) (9 x^4 + 32 x^3 + 22 x^2 + 24 x + 13)}$$

Sequence: A045820
Score: 9.28723
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{8 x^{2} - 4 x + 12}{-x^{3} - x^{2} - x - 1}$$

Sequence: A045821
Score: 4.83545
Type of gen. func.: ogf

$$-f(x) (f(x) x^{4} - 2 f(x) x^{3} - 2 f(x) x^{2} + x^{3} - 2 f(x) x - x^{2} + f(x) - 3 x + 1)$$

Sequence: A045821
Score: 8.22231
Type of gen. func.: lgdogf

$$-\frac{x^{6} - 2 x^{5} - 5 x^{4} + 20 x^{3} - 5 x^{2} - 2 x + 1}{(x^{3} - x^{2} - 3 x + 1) (x^{4} - 2 x^{3} - 2 x^{2} - 2 x + 1)}$$

Sequence: A045821
Score: 8.35214
Type of gen. func.: ogf

$$-\frac{x^{3} - x^{2} - 3 x + 1}{x^{4} - 2 x^{3} - 2 x^{2} - 2 x + 1}$$

Sequence: A045822
Score: 8.74411
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{8 x^{2} - 4 x + 12}{-x^{3} - x^{2} - x - 1}$$

Sequence: A045828
Score: 15.3989
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3x^2+x+2}{-x^3-x^2-x-1}$$

Sequence: A045829
Score: 10.5405
Type of gen. func.: lgdogf

$$-\frac{4\left((x-1)^{1/2}(5x-1)^{1/2}+1\right)}{(x-1)^{1/2}(5x-1)^{1/2}x}$$

Sequence: A045829
Score: 3.47328
Type of gen. func.: ogf

$$\{(-5n^2-25n-30)a(n+1)+(6n^2+39n+63)a(n+2)$$
$$+(-n^2-8n)a(n+3), a(0)=0, a(1)=0, a(2)=0, a(3)=1\}$$

Sequence: A045829
Score: 5.25298
Type of gen. func.: ogf

$$-x^5 f(x)^2+47 f(x) x^4-84 f(x) x^3+50 f(x) x^2-x^3-12 f(x) x+f(x)$$

Sequence: A045831
Score: 15.5668
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3x^2-2x-1}{x^3+x^2+x+1}$$

Sequence: A045833
Score: 10.6739
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2\,x^{5}-x^{2}}{x^{6}+x^{3}+1}$$

Sequence: A045834
Score: 14.7467
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3\,x^{2}-x+4}{-x^{3}-x^{2}-x-1}$$

Sequence: A045836
Score: 4.94293
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3\,x^{6}-x^{5}-4\,x^{4}-2\,x^{3}-x^{2}+x-2}{x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1}$$

Sequence: A045855
Score: 6.37558
Type of gen. func.: lgdogf

$$(1045\,x^{21}-2145\,x^{20}+1100\,x^{19}+102\,x^{8}-221\,x^{7}+119\,x^{6}+5\,x^{3}-15\,x^{2}+8\,x+4)\;/\;((x-1)\,(55\,x^{21}-55\,x^{20}+17\,x^{8}-17\,x^{7}+5\,x^{3}-3\,x^{2}-2\,x-1))$$

Sequence: A045855
Score: 8.53532

Type of gen. func.: ogf

$$-\frac{55 x^{21} - 55 x^{20} + 17 x^{8} - 17 x^{7} + 5 x^{3} - 3 x^{2} - 2 x - 1}{(x - 1)^{2}}$$

Sequence: A045862
Score: 7.75330
Type of gen. func.: ogf

$$-\frac{595 x^{25} - 595 x^{24} + 188 x^{8} - 188 x^{7} + 60 x^{3} - 41 x^{2} - 11 x - 9}{(x - 1)^{2}}$$

Sequence: A045863
Score: 7.11200
Type of gen. func.: ogf

$$-\frac{632 x^{26} - 632 x^{25} + 200 x^{9} - 200 x^{8} + 63 x^{4} - 63 x^{3} + 26 x^{2} - 24 x - 3}{(x - 1)^{2}}$$

Sequence: A045868
Score: 14.1889
Type of gen. func.: lgdogf

$$\frac{(x - 1)^{1/2} (5 x - 1)^{1/2} - x + 1}{x (x - 1)^{3/2} (5 x - 1)^{1/2}}$$

Sequence: A045868
Score: 4.04918
Type of gen. func.: ogf

$$\{(5 n^{2} + 5 n) a(n) + (-11 n^{2} - 40 n - 29) a(n + 1) + (7 n^{2} + 43 n + 64) a(n + 2) + (-n^{2} - 8 n - 15) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 7\}$$

Sequence: A045868
Score: 9.55422
Type of gen. func.: ogf

$$f(x)^2 x^2 - 3 f(x) x^2 + 4 f(x) x + x^2 - f(x) - 2 x + 1$$

Sequence: A045873
Score: 10.1019
Type of gen. func.: ogf

$$-5 f(x) x^2 + 2 f(x) x - f(x) + x$$

Sequence: A045873
Score: 18.0610
Type of gen. func.: ogf

$$\frac{x}{5 x^2 - 2 x + 1}$$

Sequence: A045873
Score: 26.5175
Type of gen. func.: lgdogf

$$- \frac{2 (5 x - 1)}{5 x^2 - 2 x + 1}$$

Sequence: A045873
Score: 7.35817
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + 5 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A045883
Score: 10.5349
Type of gen. func.: ogf

$$-f(x) (4 f(x) x^3 - 3 f(x) x + f(x) - x)$$

Sequence: A045883
Score: 24.5815
Type of gen. func.: ogf

$$\frac{x}{(x + 1) (2 x - 1)^2}$$

Sequence: A045883
Score: 26.2573
Type of gen. func.: lgdogf

$$- \frac{3 (2 x + 1)}{(x + 1) (2 x - 1)}$$

Sequence: A045883
Score: 8.72247
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 4 a(n), a(0) = 0, a(1) = 1, a(2) = 3\}$$

Sequence: A045886
Score: 3.35475
Type of gen. func.: ogf

$$- \frac{81 x^4 - 81 x^3 - 1}{(3 x - 1) (x - 1)}$$

Sequence: A045889
Score: 11.5943
Type of gen. func.: ogf

$$- \frac{1}{(2 x - 1)^2 (x - 1)^3}$$

Sequence: A045889
Score: 25.4439
Type of gen. func.: lgdogf

$$-\frac{-7 + 10 x}{(2 x - 1) (x - 1)}$$

Sequence: A045889
Score: 4.24366
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 3) + (13 + 3 n) a(n + 2) + (-12 - 2 n) a(n + 1), a(0) = 1, a(1) = 7, a(2) = 30\}$$

Sequence: A045890
Score: 12.6187
Type of gen. func.: lgdogf

$$\frac{3 ((x - 1)^{1/2} (5 x - 1)^{1/2} - x + 1)}{2 x (x - 1)^{3/2} (5 x - 1)^{1/2}}$$

Sequence: A045890
Score: 3.82943
Type of gen. func.: ogf

$$\{(-5 n^2 - 5 n) a(n) + (11 n^2 + 45 n + 34) a(n + 1) + (-7 n^2 - 49 n - 82) a(n + 2) + (n^2 + 9 n + 18) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 12\}$$

Sequence: A045890
Score: 7.02616
Type of gen. func.: ogf

$$x^3 f(x)^2 + 4 f(x) x^3 - 9 f(x) x^2 - x^3 + 6 f(x) x + 3 x^2 - f(x) - 3 x + 1$$

Sequence: A045891
Score: 11.2590
Type of gen. func.: ogf

$$-\frac{(x-1)^3}{(2x-1)^2}$$

Sequence: A045891
Score: 32.0506
Type of gen. func.: lgdogf

$$\frac{2x+1}{(2x-1)(x-1)}$$

Sequence: A045891
Score: 6.02454
Type of gen. func.: ogf

$$\{a(n+4)-4a(n+3)+4a(n+2),\ a(0)=1,\ a(1)=1,\ a(2)=3,\ a(3)=7\}$$

Sequence: A045891
Score: 6.79997
Type of gen. func.: ogf

$$(3f(x)+5)(4f(x)x^2+x^3-4f(x)x-3x^2+f(x)+3x-1)$$

Sequence: A045894
Score: 10.2753
Type of gen. func.: lgdogf

$$-48+256x+(128x^2-48x+4)f(x)+(16x^3-8x^2+x)f(x)^2$$

Sequence: A045894
Score: 3.15910
Type of gen. func.: ogf

2 2

$\{(-16 n - 168 n - 440) a(n + 1) + (8 n + 82 n + 192) a(n + 2)$

$+ (-n^2 - 10 n - 21) a(n + 3), a(0) = 1, a(1) = 12, a(2) = 94\}$

Sequence: A045895
Score: 10.0663
Type of gen. func.: lgdogf

$$-\frac{6 (x^4 + 2 x^3 + 6 x^2 + 2 x + 1)}{(x - 1) (x + 1) (2 x^3 + 3 x^2 + 6 x + 1)}$$

Sequence: A045895
Score: 4.54869
Type of gen. func.: ogf

$\{(n^2 + 7 n + 12) a(n + 1) + (-n^2 - 3 n - 2) a(n + 3), a(0) = 0, a(1) = 2,$

$a(2) = 12\}$

Sequence: A045895
Score: 7.75610
Type of gen. func.: ogf

$$-\frac{2 x (2 x^3 + 3 x^2 + 6 x + 1)}{(x - 1)^3 (x + 1)^3}$$

Sequence: A045896
Score: 11.1492
Type of gen. func.: ogf

$$-\frac{2 x^3 + 3 x^2 + 6 x + 1}{(x - 1)^3 (x + 1)^3}$$

Sequence: A045896
Score: 13.7614
Type of gen. func.: lgdogf

$$-\frac{6 (x^4 + 2 x^3 + 6 x^2 + 2 x + 1)}{(x - 1) (x + 1) (2 x^3 + 3 x^2 + 6 x + 1)}$$

Sequence: A045896
Score: 6.11947
Type of gen. func.: ogf

$$\{(-n^2 - 9 n - 20) a(n + 1) + (n^2 + 5 n + 6) a(n + 3), a(0) = 1, a(1) = 6, a(2) = 6\}$$

Sequence: A045899
Score: 13.9704
Type of gen. func.: ogf

$$-\frac{8 x}{(x - 1) (x^2 - 14 x + 1)}$$

Sequence: A045899
Score: 18.5079
Type of gen. func.: lgdogf

$$-\frac{3 (x^2 - 10 x + 5)}{(x - 1) (x^2 - 14 x + 1)}$$

Sequence: A045899
Score: 5.70965
Type of gen. func.: ogf

$$\{a(n + 3) - 15 a(n + 2) + 15 a(n + 1) - a(n), a(0) = 0, a(1) = 8, a(2) = 120\}$$

Sequence: A045899
Score: 8.31152
Type of gen. func.: ogf

$$f(x) x^3 - 15 f(x) x^2 + 15 f(x) x - f(x) + 8 x$$

Sequence: A045902
Score: 13.4063
Type of gen. func.: lgdogf

$$\frac{2 ((x - 1)^{1/2} (5 x - 1)^{1/2} - x + 1)}{x (x - 1)^{3/2} (5 x - 1)^{1/2}}$$

Sequence: A045902
Score: 3.90054
Type of gen. func.: ogf

$$\{(5 n^2 + 5 n) a(n) + (-11 n^2 - 50 n - 39) a(n + 1) + (7 n^2 + 55 n + 102) a(n + 2) + (-n^2 - 10 n - 21) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 18\}$$

Sequence: A045902
Score: 5.80989
Type of gen. func.: ogf

$$f(x)^2 x^4 - 7 f(x) x^4 + 20 f(x) x^3 + x^4 - 20 f(x) x^2 - 4 x^3 + 8 f(x) x + 6 x^2 - f(x) - 4 x + 1$$

Sequence: A045925
Score: 10.6333
Type of gen. func.: ogf

$$\frac{x (x^2 + 1)}{(x^2 + x - 1)^2}$$

Sequence: A045925
Score: 21.2684
Type of gen. func.: lgdogf

$$-\frac{2\,(x^3 + 3\,x + 1)}{(x^2 + 1)\,(x^2 + x - 1)}$$

Sequence: A045925
Score: 3.99518
Type of gen. func.: ogf

$$\{(-n^2 - 5\,n - 6)\,a(n + 1) + (-n^2 - 4\,n - 3)\,a(n + 2) + (n^2 + 3\,n + 2)\,a(n + 3),$$
$$a(0) = 0,\ a(1) = 1,\ a(2) = 2\}$$

Sequence: A045925
Score: 6.18233
Type of gen. func.: ogf

$$-(125\,f(x) - 79)\,(f(x)\,x^4 + 2\,f(x)\,x^3 - f(x)\,x^2 - x^3 - 2\,f(x)\,x + f(x) - x)$$

Sequence: A045926
Score: 4.24828
Type of gen. func.: ogf

$$2\,(60\,x^{20} + 6\,x^{16} + x^{15} + x^{14} + x^{13} + 7\,x^{12} + x^{11} + x^{10} + x^9 + 7\,x^8 + x^7 + x^6 + x^5 + 7\,x^4 + x^3 + x^2 + x + 1) \Big/ ((x + 1)\,(x^2 + 1)\,(x^4 + 1)\,(x^8 + 1)\,(x - 1)^2)$$

Sequence: A045943
Score: 10.6141
Type of gen. func.: ogf

$$f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x - f(x) + 3\,x$$

Sequence: A045943
Score: 100.701

Type of gen. func.: lgdogf

$$-\frac{3}{x-1}$$

Sequence: A045943
Score: 18.1618
Type of gen. func.: ogf

$$-\frac{3x}{(x-1)^3}$$

Sequence: A045943
Score: 7.36290
Type of gen. func.: ogf

$$\{a(n+3) - 3a(n+2) + 3a(n+1) - a(n), a(0) = 0, a(1) = 3, a(2) = 9\}$$

Sequence: A045944
Score: 14.2523
Type of gen. func.: ogf

$$-\frac{x(x+5)}{(x-1)^3}$$

Sequence: A045944
Score: 40.0416
Type of gen. func.: lgdogf

$$-\frac{2(x+8)}{(x+5)(x-1)}$$

Sequence: A045944
Score: 7.06418
Type of gen. func.: ogf

$$(10908 f(x) - 31031) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 5 x)$$

```
--------------------------------------------------------------------------------

Sequence:  A045944
Score: 7.25341
Type of gen. func.: ogf


   {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 5, a(2) = 16}



--------------------------------------------------------------------------------

Sequence:  A045945
Score: 13.6181
Type of gen. func.: ogf


                                     6 x (x + 2)
                                   - -----------
                                               3
                                      (x - 1)



--------------------------------------------------------------------------------

Sequence:  A045945
Score: 38.9284
Type of gen. func.: lgdogf


                                         2 x + 7
                                 - ---------------
                                   (x + 2) (x - 1)



--------------------------------------------------------------------------------

Sequence:  A045945
Score: 6.86828
Type of gen. func.: ogf


                              3            2                  2
     -(27 f(x) - 190) (f(x) x  - 3 f(x) x  + 3 f(x) x + 6 x  - f(x) + 12 x)



--------------------------------------------------------------------------------

Sequence:  A045945
Score: 6.98984
Type of gen. func.: ogf


  {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 12, a(2) = 42}



--------------------------------------------------------------------------------

Sequence:  A045946
Score: 12.8798
Type of gen. func.: ogf


                                     12 x (x + 2)
```

$$- \frac{}{(x - 1)^3}$$

Sequence: A045946
Score: 37.4421
Type of gen. func.: lgdogf

$$- \frac{2 x + 7}{(x + 2) (x - 1)}$$

Sequence: A045946
Score: 6.55094
Type of gen. func.: ogf

$$-(27 f(x) - 380) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 12 x^2 - f(x) + 24 x)$$

Sequence: A045946
Score: 6.72486
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 24, a(2) = 84\}$$

Sequence: A045947
Score: 10.2829
Type of gen. func.: ogf

$$\frac{x^2 (x + 2)}{(x + 1) (x - 1)^4}$$

Sequence: A045947
Score: 23.7628
Type of gen. func.: lgdogf

$$- \frac{4 x^2 + 13 x + 7}{(x - 1) (x + 2) (x + 1)}$$

Sequence: A045947
Score: 4.82796
Type of gen. func.: ogf

$$\{(n^2 + 6 n + 9) a(n + 1) + (7 + 3 n) a(n + 2) + (-n^2 - 3 n - 2) a(n + 3),$$
$$a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A045949
Score: 11.8983
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 24 x^3 + 64 x^2 + 59 x + 19}{(x - 1) (x + 1) (x^3 + 7 x^2 + 10 x + 3)}$$

Sequence: A045949
Score: 8.09481
Type of gen. func.: ogf

$$\frac{2 x (x^3 + 7 x^2 + 10 x + 3)}{(x + 1) (x - 1)^4}$$

Sequence: A045950
Score: 10.5733
Type of gen. func.: ogf

$$\frac{x (x^2 + 19 x + 10)}{(x - 1)^4}$$

Sequence: A045950
Score: 20.0080
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 59 x + 59}{(x - 1) (x^2 + 19 x + 10)}$$

```
------------------------------------------------------------------------------

Sequence:  A045950
Score: 3.88723
Type of gen. func.: ogf


{(-30 - 10 n) a(n + 4) + (41 - 9 n) a(n + 3) + (77 + 18 n) a(n + 2)

     + (n + 2) a(n + 1), a(0) = 0, a(1) = 10, a(2) = 59, a(3) = 177}



------------------------------------------------------------------------------

Sequence:  A045950
Score: 5.21706
Type of gen. func.: ogf


(241152000 f(x) + 2628429289)

           4           3           2    3                  2
    (f(x) x  - 4 f(x) x  + 6 f(x) x  - x  - 4 f(x) x - 19 x  + f(x) - 10 x)



------------------------------------------------------------------------------

Sequence:  A045952
Score: 3.87201
Type of gen. func.: ogf


{(-256 n - 384) a(n + 1) + (32 n + 72) a(n + 2) + (-n - 3) a(n + 3), a(0) = 1,

    a(1) = 12, a(2) = 176}



------------------------------------------------------------------------------

Sequence:  A045952
Score: 6.48052
Type of gen. func.: ogf


                   2  2          2         2
          -256 f(x)  x  + 32 f(x)  x - f(x)  - 16 f(x) x + f(x) - 4 x



------------------------------------------------------------------------------

Sequence:  A045977
Score: 11.3082
Type of gen. func.: egf]


                                                 3
                             -(f(x) x - f(x) + 1)



------------------------------------------------------------------------------

Sequence:  A045991
Score: 11.8832
```

Type of gen. func.: ogf

$$\frac{2 x^{2} (x + 2)}{(x - 1)^{4}}$$

Sequence: A045991
Score: 40.6210
Type of gen. func.: lgdogf

$$- \frac{3 (x + 3)}{(x + 2) (x - 1)}$$

Sequence: A045991
Score: 5.54015
Type of gen. func.: ogf

$$\{(2 + 2 n) a(n + 3) + (-9 - n) a(n + 2) + (-n - 2) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 4\}$$

Sequence: A045991
Score: 6.07364
Type of gen. func.: ogf

$-(33 f(x) - 16)$

$(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 2 x^{3} - 4 f(x) x - 4 x^{2} + f(x))$

Sequence: A045993
Score: 11.1659
Type of gen. func.: ogf

$$\frac{x - 1}{8 x^{3} - 18 x^{2} + 10 x - 1}$$

Sequence: A045993
Score: 11.5796
Type of gen. func.: lgdogf

$$-\frac{16 x^3 - 42 x^2 + 36 x - 9}{(x - 1) (8 x^3 - 18 x^2 + 10 x - 1)}$$

Sequence: A045993
Score: 5.34022
Type of gen. func.: ogf

{-a(n + 3) + 10 a(n + 2) - 18 a(n + 1) + 8 a(n), a(0) = 1, a(1) = 9, a(2) = 72}

Sequence: A045993
Score: 5.48326
Type of gen. func.: ogf

$$-(457 f(x) - 52) (8 f(x) x^3 - 18 f(x) x^2 + 10 f(x) x - f(x) - x + 1)$$

Sequence: A045994
Score: 5.0619
Type of gen. func.: ogf

$$f(x)^2 x^4 + 3 x^3 f(x)^2 + 2 f(x)^2 x^2 - f(x)^2 x + f(x) x^2 + 2 f(x) x - f(x) + 1$$

Sequence: A046023
Score: 5.17027
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^4 + 4 x^3 + 20 x^2 + 4 x + 1)}{(x - 1)^7}$$

Sequence: A046023
Score: 8.85646
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 + 10 x^4 + 58 x^3 + 96 x^2 + 39 x + 6)}{(x - 1) (x + 1) (x^4 + 4 x^3 + 20 x^2 + 4 x + 1)}$$

Sequence: A046029
Score: 2.91334
Type of gen. func.: ogf_with_Euler_transform]

$$-3x^{5}+3x^{4}+2$$

Sequence: A046037
Score: 13.9793
Type of gen. func.: ogf

$$-\frac{2x^{14}-2x^{13}+7x-8}{(x-1)^{2}}$$

Sequence: A046037
Score: 14.6400
Type of gen. func.: lgdogf

$$\frac{24x^{14}-50x^{13}+26x^{12}-7x+9}{(x-1)(2x^{14}-2x^{13}+7x-8)}$$

Sequence: A046039
Score: 14.0736
Type of gen. func.: ogf

$$-\frac{2x^{15}-2x^{14}+x-2}{(x-1)^{2}}$$

Sequence: A046039
Score: 15.8107
Type of gen. func.: lgdogf

$$\frac{26x^{15}-54x^{14}+28x^{13}-x+3}{}$$

15 14

$$(x - 1) (2 x - 2 x + x - 2)$$

Sequence: A046088
Score: 11.5615
Type of gen. func.: revogf

$$\frac{(26 x + 1)^{(1/5)} - (x + 1)^{(1/5)}}{5 (26 x + 1)^{1/5}}$$

Sequence: A046088
Score: 4.99956
Type of gen. func.: ogf

$$-\frac{125 x^4 - 125 x^3 + 50 x^2 - 10 x + 1}{3250 x^5 - 3250 x^4 + 1300 x^3 - 260 x^2 + 26 x - 1}$$

Sequence: A046090
Score: 11.0292
Type of gen. func.: ogf

$$\frac{3 x - 1}{(x - 1) (x^2 - 6 x + 1)}$$

Sequence: A046090
Score: 11.4474
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^3 - 12 x^2 + 7 x - 2)}{(x - 1) (3 x - 1) (x^2 - 6 x + 1)}$$

Sequence: A046090
Score: 5.17299
Type of gen. func.: ogf

3 2

```
     -(7864 f(x) + 1223) (f(x) x  - 7 f(x) x  + 7 f(x) x - f(x) - 3 x + 1)
```

Sequence: A046090
Score: 5.17299
Type of gen. func.: ogf

```
   {a(n + 3) - 7 a(n + 2) + 7 a(n + 1) - a(n), a(0) = 1, a(1) = 4, a(2) = 21}
```

Sequence: A046092
Score: 10.3004
Type of gen. func.: ogf

```
                        3            2
                  f(x) x  - 3 f(x) x  + 3 f(x) x - f(x) + 4 x
```

Sequence: A046092
Score: 17.6251
Type of gen. func.: ogf

```
                                           4 x
                                       - --------
                                                3
                                         (x - 1)
```

Sequence: A046092
Score: 7.08153
Type of gen. func.: ogf

```
   {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 4, a(2) = 12}
```

Sequence: A046092
Score: 97.6976
Type of gen. func.: lgdogf

```
                                            3
                                        - -----
                                          x - 1
```

Sequence: A046100
Score: 26.3283
Type of gen. func.: ogf_with_Euler_transform]

$$2 - x^{14} (x - 1)$$

Sequence: A046100
Score: 5.19134
Type of gen. func.: ogf

$$(x^8 + 1) (x^4 + 1) (x^2 + 1) (x + 1) \Big/ ((x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^8 - x^7 + x^5 - x^4 + x^3 - x + 1) (x - 1)^2)$$

Sequence: A046126
Score: 18.6734
Type of gen. func.: lgdegf]

$$- \frac{3 (x - 1)}{(2 x^3 + 3 x + 1) (x^2 + 1)}$$

Sequence: A046127
Score: 10.2531
Type of gen. func.: ogf

$$\frac{2 x (2 x^2 - 2 x + 1)}{(x - 1)^4}$$

Sequence: A046127
Score: 21.6822
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^2 - x + 1)}{(x - 1) (2 x^2 - 2 x + 1)}$$

Sequence: A046127
Score: 3.83835
Type of gen. func.: ogf

$$\{(-n - 3)\, a(n + 4) + (8 + 3\, n)\, a(n + 3) + (-6 - 4\, n)\, a(n + 2)$$
$$+ (4 + 2\, n)\, a(n + 1),\ a(0) = 0,\ a(1) = 2,\ a(2) = 4,\ a(3) = 8\}$$

Sequence: A046127
Score: 6.74305
Type of gen. func.: ogf

$$-f(x)\, x^4 + 4\, f(x)\, x^3 - 6\, f(x)\, x^2 + 4\, x^3 + 4\, f(x)\, x - 4\, x^2 - f(x) + 2\, x$$

Sequence: A046142
Score: 12.8645
Type of gen. func.: lgdogf

$$-\frac{7\, x^3 + 139\, x^2 + 205\, x + 33}{(x - 1)\, (7\, x^3 + 59\, x^2 + 29\, x + 1)}$$

Sequence: A046142
Score: 3.80857
Type of gen. func.: ogf

$$\{(-5470\, n^2 - 24557\, n - 27234)\, a(n + 1) + (6092\, n^2 + 13666\, n + 20883)\, a(n + 2)$$
$$+ (-622\, n^2 - 3653\, n - 5361)\, a(n + 3),\ a(0) = 1,\ a(1) = 33,\ a(2) = 185\}$$

Sequence: A046142
Score: 5.32685
Type of gen. func.: ogf

$$(12736\, f(x) + 395825)\, ($$
$$f(x)\, x^4 - 4\, f(x)\, x^3 + 6\, f(x)\, x^2 - 7\, x^3 - 4\, f(x)\, x - 59\, x^2 + f(x) - 29\, x - 1$$
$$)$$

Sequence: A046142
Score: 9.97942
Type of gen. func.: ogf

$$\frac{7 x^3 + 59 x^2 + 29 x + 1}{(x - 1)^4}$$

Sequence: A046162
Score: 5.54278
Type of gen. func.: ogf

$$\{(-n^2 - 8 n - 16) a(n + 1) + (n^2 + 2 n + 1) a(n + 4), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 3\}$$

Sequence: A046162
Score: 7.19064
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^6 + 3 x^5 + 13 x^3 + 3 x + 1)}{(x - 1)^3 (x^2 + x + 1)^3}$$

Sequence: A046162
Score: 7.28117
Type of gen. func.: lgdogf

$$-\frac{2 (x^9 + 6 x^8 + 6 x^7 + 36 x^6 + 51 x^5 + 18 x^4 + 42 x^3 + 24 x^2 + 3 x + 2)}{(x - 1) (x + 1) (x^2 + x + 1) (x^6 + 3 x^5 + 13 x^3 + 3 x + 1)}$$

Sequence: A046163
Score: 6.06282
Type of gen. func.: lgdogf

$$-(x^{10} + 2 x^9 + 3 x^8 + 24 x^7 + 57 x^6 + 30 x^5 + 111 x^4 + 96 x^3 + 21 x^2 + 26 x + 7) \Big/ ((x - 1) (x^2 + x + 1) (x^8 + x^7 + x^6 + 4 x^5 + 10 x^4 + 4 x^3 + 13 x^2 + 7 x + 1))$$

Sequence: A046163
Score: 7.04310
Type of gen. func.: ogf

$$- \frac{x^8 + x^7 + x^6 + 4 x^5 + 10 x^4 + 4 x^3 + 13 x^2 + 7 x + 1}{(x - 1)^3 (x^2 + x + 1)^3}$$

Sequence: A046166
Score: 5.58238
Type of gen. func.: ogf

$$\frac{x^4}{(28 x - 1) (26 x - 1) (31 x - 1) (30 x - 1) (29 x - 1) (27 x - 1)}$$

Sequence: A046167
Score: 3.79215
Type of gen. func.: ogf

$$- x^5 /((61 x - 1) (59 x - 1) (58 x - 1) (57 x - 1) (63 x - 1) (62 x - 1) (60 x - 1))$$

Sequence: A046172
Score: 5.00116
Type of gen. func.: ogf

$$(3802791 f(x) - 24151) (f(x) x^3 - 99 f(x) x^2 + 99 f(x) x + x^2 - f(x) - 18 x + 1)$$

Sequence: A046172
Score: 5.25545
Type of gen. func.: ogf

$$\{-a(n + 3) + 99 a(n + 2) - 99 a(n + 1) + a(n), a(0) = 1, a(1) = 81, a(2) = 7921 \}$$

Sequence: A046172
Score: 6.88058
Type of gen. func.: lgdogf

$$-\frac{x^4 - 36 x^3 + 1686 x^2 - 196 x + 81}{(x - 1) (x^2 - 98 x + 1) (x^2 - 18 x + 1)}$$

Sequence: A046172
Score: 9.68973
Type of gen. func.: ogf

$$-\frac{x^2 - 18 x + 1}{(x - 1) (x^2 - 98 x + 1)}$$

Sequence: A046173
Score: 12.6940
Type of gen. func.: revogf

$$-\frac{-1 - 98 x + ((80 x + 1) (120 x + 1))^{1/2}}{2 (x - 1)}$$

Sequence: A046173
Score: 13.4814
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - 98 x + 1}$$

Sequence: A046173
Score: 19.0410
Type of gen. func.: lgdogf

$$-\frac{(x + 11) (x - 9)}{(x + 1) (x^2 - 98 x + 1)}$$

Sequence: A046173
Score: 6.81476
Type of gen. func.: ogf

$$(9700 f(x) + 101) (f(x) x^2 - 98 f(x) x + f(x) - x - 1)$$

Sequence: A046173
Score: 7.38265
Type of gen. func.: ogf

$$\{-a(n + 2) + 98 a(n + 1) - a(n), a(0) = 1, a(1) = 99\}$$

Sequence: A046174
Score: 10.9593
Type of gen. func.: lgdogf

$$-\frac{6 (x^3 - 8 x^2 + 5 x - 2)}{(x - 1) (3 x - 1) (x^2 - 14 x + 1)}$$

Sequence: A046174
Score: 4.69051
Type of gen. func.: ogf

$$\{a(n + 3) - 15 a(n + 2) + 15 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 12\}$$

Sequence: A046174
Score: 4.69052
Type of gen. func.: ogf

$$-(12 f(x) + 1) (f(x) x^3 - 15 f(x) x^2 + 15 f(x) x - 3 x^2 - f(x) + x)$$

Sequence: A046174
Score: 9.06302
Type of gen. func.: ogf

$$x (3 x - 1)$$

$$\frac{}{(x - 1) (x^2 - 14 x + 1)}$$

Sequence: A046175
Score: 10.3386
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^3 - 36 x^2 - 15 x + 10)}{(x - 1) (5 x + 1) (x^2 - 14 x + 1)}$$

Sequence: A046175
Score: 11.7798
Type of gen. func.: ogf

$$- \frac{x (5 x + 1)}{(x - 1) (x^2 - 14 x + 1)}$$

Sequence: A046175
Score: 5.6968
Type of gen. func.: ogf

$$-(193776 f(x) - 66355) (f(x) x^3 - 15 f(x) x^2 + 15 f(x) x + 5 x^2 - f(x) + x)$$

Sequence: A046175
Score: 6.09657
Type of gen. func.: ogf

$$\{a(n + 3) - 15 a(n + 2) + 15 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 20\}$$

Sequence: A046176
Score: 10.5441
Type of gen. func.: revogf

$$- \frac{-34 x - 1 + ((24 x + 1) (1 + 48 x))^{1/2}}{2 (x - 1)}$$

Sequence: A046176
Score: 11.0088
Type of gen. func.: ogf

$$\frac{x + 1}{x^{2} - 34 x + 1}$$

Sequence: A046176
Score: 15.9862
Type of gen. func.: lgdogf

$$- \frac{(x + 7) (x - 5)}{(x + 1) (x^{2} - 34 x + 1)}$$

Sequence: A046176
Score: 5.62673
Type of gen. func.: ogf

$$(1188 f(x) + 37) (f(x) x^{2} - 34 f(x) x + f(x) - x - 1)$$

Sequence: A046176
Score: 6.02863
Type of gen. func.: ogf

$$\{-a(n + 2) + 34 a(n + 1) - a(n), a(0) = 1, a(1) = 35\}$$

Sequence: A046177
Score: 4.14151
Type of gen. func.: ogf

$$(55372709727 f(x) - 53762906)$$

$$(f(x) x^{3} - 1155 f(x) x^{2} + 1155 f(x) x + x^{2} - f(x) + 70 x + 1)$$

Sequence: A046177
Score: 4.40240
Type of gen. func.: ogf

{a(n + 3) - 1155 a(n + 2) + 1155 a(n + 1) - a(n), a(0) = 1, a(1) = 1225,

a(2) = 1413721}

Sequence: A046177
Score: 8.22213
Type of gen. func.: ogf

$$-\frac{x^2 + 70 x + 1}{(x - 1) (x^2 - 1154 x + 1)}$$

Sequence: A046178
Score: 4.46906
Type of gen. func.: ogf

$-(5979860096 f(x) + 101519923)$

$(f(x) x^3 - 195 f(x) x^2 + 195 f(x) x - 3 x^2 - f(x) - 30 x + 1)$

Sequence: A046178
Score: 5.01854
Type of gen. func.: ogf

{a(n + 3) - 195 a(n + 2) + 195 a(n + 1) - a(n), a(0) = 1, a(1) = 165,

a(2) = 31977}

Sequence: A046178
Score: 9.27670
Type of gen. func.: ogf

$$\frac{3 x^2 + 30 x - 1}{(x - 1) (x^2 - 194 x + 1)}$$

Sequence: A046179
Score: 4.37329
Type of gen. func.: ogf

$$(10656112535040 f(x) - 134479008527)$$

$$(f(x) x^3 - 195 f(x) x^2 + 195 f(x) x + 3 x^2 - f(x) - 52 x + 1)$$

Sequence: A046179
Score: 5.01854
Type of gen. func.: ogf

$$\{-a(n + 3) + 195 a(n + 2) - 195 a(n + 1) + a(n), a(0) = 1, a(1) = 143, a(2) = 27693\}$$

Sequence: A046179
Score: 9.27670
Type of gen. func.: ogf

$$-\frac{3 x^2 - 52 x + 1}{(x - 1) (x^2 - 194 x + 1)}$$

Sequence: A046181
Score: 7.45273
Type of gen. func.: ogf

$$-\frac{x^4 + 2 x^3 - 38 x^2 + 2 x + 1}{(x - 1) (x^2 - 10 x + 1) (x^2 + 10 x + 1)}$$

Sequence: A046182
Score: 5.50977
Type of gen. func.: ogf

$$\frac{2 x^4 + 5 x^3 - 49 x^2 - 5 x - 1}{(x - 1) (x^2 - 10 x + 1) (x^2 + 10 x + 1)}$$

Sequence: A046183
Score: 7.06477
Type of gen. func.: ogf

$$-\frac{x^4 + 20 x^3 + 2158 x^2 + 20 x + 1}{(x - 1) (x^2 - 98 x + 1) (x^2 + 98 x + 1)}$$

Sequence: A046184
Score: 10.4691
Type of gen. func.: ogf

$$-\frac{x^2 - 6 x + 1}{(x - 1) (x^2 - 14 x + 1)}$$

Sequence: A046184
Score: 5.58944
Type of gen. func.: ogf

$$(11703 f(x) - 52) (f(x) x^3 - 15 f(x) x^2 + 15 f(x) x + x^2 - f(x) - 6 x + 1)$$

Sequence: A046184
Score: 5.68582
Type of gen. func.: ogf

$$\{-a(n + 3) + 15 a(n + 2) - 15 a(n + 1) + a(n), a(0) = 1, a(1) = 9, a(2) = 121\}$$

Sequence: A046187
Score: 6.51914
Type of gen. func.: ogf

$$\frac{(5 x^2 + 18 x + 1) (x^2 + 8 x - 1)}{(x - 1) (x^2 - 34 x + 1) (x^2 + 34 x + 1)}$$

Sequence: A046188
Score: 6.44417
Type of gen. func.: ogf

4 3 2

$$-\frac{4x + 41x - 437x + 7x + 1}{(x-1)(x^2 - 34x + 1)(x^2 + 34x + 1)}$$

Sequence: A046189
Score: 4.69134
Type of gen. func.: ogf

$$-\frac{40x^4 + 5945x^3 + 243535x^2 + 175x + 1}{(x-1)(x^2 - 1154x + 1)(x^2 + 1154x + 1)}$$

Sequence: A046190
Score: 11.2636
Type of gen. func.: ogf

$$-\frac{3x^2 - 36x + 1}{(x-1)(x^2 - 98x + 1)}$$

Sequence: A046190
Score: 5.46116
Type of gen. func.: ogf

$(13002265040 f(x) - 296381399)$

$(f(x) x^3 - 99 f(x) x^2 + 99 f(x) x + 3 x^2 - f(x) - 36 x + 1)$

Sequence: A046190
Score: 6.10909
Type of gen. func.: ogf

$\{-a(n + 3) + 99 a(n + 2) - 99 a(n + 1) + a(n), a(0) = 1, a(1) = 63, a(2) = 6141$

$\}$

Sequence: A046190
Score: 6.56783
Type of gen. func.: lgdogf

$$-\frac{3\left(x^{4}-24x^{3}+1090x^{2}-64x+21\right)}{(x-1)\left(3x^{2}-36x+1\right)\left(x^{2}-98x+1\right)}$$

Sequence: A046191
Score: 3.26277
Type of gen. func.: ogf

$-(12341979120 f(x) + 430371629)$

$(f(x) x^{3} - 99 f(x) x^{2} + 99 f(x) x - 3 x^{2} - f(x) - 22 x + 1)$

Sequence: A046191
Score: 3.76047
Type of gen. func.: ogf

$\{a(n + 3) - 99 a(n + 2) + 99 a(n + 1) - a(n), a(0) = 1, a(1) = 77, a(2) = 7521\}$

Sequence: A046191
Score: 6.37466
Type of gen. func.: lgdogf

$$-\frac{3x^{4}+44x^{3}-2478x^{2}+204x-77}{(x-1)\left(3x^{2}+22x-1\right)\left(x^{2}-98x+1\right)}$$

Sequence: A046191
Score: 6.93338
Type of gen. func.: ogf

$$\frac{3x^{2}+22x-1}{(x-1)\left(x^{2}-98x+1\right)}$$

Sequence: A046192
Score: 4.51082
Type of gen. func.: ogf

$(82591228701319094960 f(x) - 184513964134211213)$

$(f(x) x^3 - 9603 f(x) x^2 + 9603 f(x) x + 21 x^2 - f(x) + 2178 x + 1)$

Sequence: A046192
Score: 5.44768
Type of gen. func.: ogf

{a(n + 3) - 9603 a(n + 2) + 9603 a(n + 1) - a(n), a(0) = 1, a(1) = 11781,

a(2) = 113123361}

Sequence: A046192
Score: 9.97463
Type of gen. func.: ogf

$$-\frac{21 x^2 + 2178 x + 1}{(x - 1) (x^2 - 9602 x + 1)}$$

Sequence: A046193
Score: 7.10829
Type of gen. func.: ogf

$$-\frac{x^4 + 4 x^3 - 106 x^2 + 4 x + 1}{(x - 1) (x^2 + 18 x + 1) (x^2 - 18 x + 1)}$$

Sequence: A046194
Score: 6.00447
Type of gen. func.: ogf

$$-\frac{x^4 + 54 x^3 + 18034 x^2 + 54 x + 1}{(x - 1) (x^2 - 322 x + 1) (x^2 + 322 x + 1)}$$

Sequence: A046195
Score: 5.73971
Type of gen. func.: ogf

$$-\frac{x^6 + 5x^5 + 43x^4 - 530x^3 + 43x^2 + 5x + 1}{(x - 1)(x^6 - 1442x^3 + 1)}$$

Sequence: A046196
Score: 8.04667
Type of gen. func.: ogf

$$\frac{(x + 1)(x^4 + 8x^3 + 69x^2 + 8x + 1)}{x^6 - 1442x^3 + 1}$$

Sequence: A046198
Score: 10.3539
Type of gen. func.: ogf

$$-\frac{2x^2 - 21x + 1}{(x - 1)(x^2 - 62x + 1)}$$

Sequence: A046198
Score: 4.94514
Type of gen. func.: ogf

$$(131967266016 f(x) - 2743908071)$$

$$(f(x) x^3 - 63 f(x) x^2 + 63 f(x) x + 2 x^2 - f(x) - 21 x + 1)$$

Sequence: A046198
Score: 5.61567
Type of gen. func.: ogf

{-a(n + 3) + 63 a(n + 2) - 63 a(n + 1) + a(n), a(0) = 1, a(1) = 42, a(2) = 2585

}

Sequence: A046198
Score: 7.34877
Type of gen. func.: lgdogf

$$-\frac{2(x^4 - 21x^3 + 600x^2 - 61x + 21)}{(x-1)(x^2 - 62x + 1)(2x^2 - 21x + 1)}$$

Sequence: A046199
Score: 10.6503
Type of gen. func.: ogf

$$\frac{2x^2 + 9x - 1}{(x-1)(x^2 - 62x + 1)}$$

Sequence: A046199
Score: 4.93358
Type of gen. func.: ogf

-(67883723040 f(x) + 2470305557)

$$(f(x)x^3 - 63 f(x)x^2 + 63 f(x)x - 2x^2 - f(x) - 9x + 1)$$

Sequence: A046199
Score: 5.68616
Type of gen. func.: ogf

{a(n + 3) - 63 a(n + 2) + 63 a(n + 1) - a(n), a(0) = 1, a(1) = 54, a(2) = 3337}

Sequence: A046199
Score: 7.54606
Type of gen. func.: lgdogf

$$-\frac{2(x^4 + 9x^3 - 348x^2 + 65x - 27)}{(x-1)(x^2 - 62x + 1)(2x^2 + 9x - 1)}$$

Sequence: A046224
Score: 8.06428
Type of gen. func.: ogf

$$-4 f(x)^2 x + 12 f(x) x^2 - 9 x^3 + f(x)^2 - 3 f(x) x + 3 x - 1$$

Sequence: A046231
Score: 3.43802
Type of gen. func.: ogf

$$-(27 f(x) + 20) (4 f(x) x^2 + 4 x^3 - 5 f(x) x + f(x) - x)$$

Sequence: A046231
Score: 6.66555
Type of gen. func.: ogf

$$-\frac{x (2 x - 1) (2 x + 1)}{(-1 + 4 x) (x - 1)}$$

Sequence: A046231
Score: 6.91175
Type of gen. func.: lgdogf

$$-\frac{20 x^2 - 16 x + 5}{(x - 1) (2 x + 1) (2 x - 1) (-1 + 4 x)}$$

Sequence: A046232
Score: 4.65980
Type of gen. func.: ogf

$$-\frac{x (28672 x^4 - 30080 x^3 + 4284 x^2 - 40 x - 1)}{(x - 1) (-1 + 4 x) (64 x - 1) (16 x - 1)}$$

Sequence: A046233
Score: 12.6699
Type of gen. func.: ogf

$$-\frac{x (5 x^2 - 1)}{(5 x - 1) (x - 1)}$$

Sequence: A046233
Score: 14.5576
Type of gen. func.: lgdogf

$$-\frac{2\,(15\,x^{2}-10\,x+3)}{(x-1)\,(5\,x-1)\,(5\,x^{2}-1)}$$

Sequence: A046233
Score: 5.44585
Type of gen. func.: ogf

$$\{a(n+4)-6\,a(n+3)+5\,a(n+2),\ a(0)=0,\ a(1)=1,\ a(2)=6,\ a(3)=26\}$$

Sequence: A046233
Score: 6.67557
Type of gen. func.: ogf

$$-(8\,f(x)+3)\,(5\,f(x)\,x^{2}+5\,x^{3}-6\,f(x)\,x+f(x)-x)$$

Sequence: A046234
Score: 3.52955
Type of gen. func.: ogf

$$-\frac{x\,(109375\,x^{4}-109500\,x^{3}+12090\,x^{2}-60\,x-1)}{(x-1)\,(125\,x-1)\,(25\,x-1)\,(5\,x-1)}$$

Sequence: A046236
Score: 3.20702
Type of gen. func.: ogf

$$-\frac{x\,(326592\,x^{4}-317520\,x^{3}+28638\,x^{2}-84\,x-1)}{(x-1)\,(6\,x-1)\,(36\,x-1)\,(216\,x-1)}$$

Sequence: A046237
Score: 4.56583

Type of gen. func.: ogf

$$-\frac{x\,(112\,x^{10}+56\,x^{9}+28\,x^{8}-86\,x^{7}-43\,x^{6}-18\,x^{5}-4\,x^{2}-2\,x-1)}{(x-1)\,(x^{2}+x+1)\,(7\,x^{3}-1)}$$

Sequence: A046239
Score: 3.27343
Type of gen. func.: ogf

$$-\frac{x\,(512\,x^{7}+64\,x^{6}+8\,x^{5}-136\,x^{4}-16\,x^{3}+6\,x^{2}+2\,x+1)}{(x-1)\,(2\,x-1)\,(-1+4\,x)\,(4\,x^{2}+2\,x+1)\,(16\,x^{2}+4\,x+1)}$$

Sequence: A046630
Score: 10.6485
Type of gen. func.: lgdogf

$$-\frac{4\,x^{6}+4\,x^{5}-x^{4}-x^{2}-2\,x+2}{(x-1)\,(2\,x-1)\,(x^{2}+x+1)\,(2\,x^{3}+x^{2}-1)}$$

Sequence: A046630
Score: 11.0275
Type of gen. func.: ogf

$$-\frac{2\,x^{3}+x^{2}-1}{(2\,x-1)\,(x-1)\,(x^{2}+x+1)}$$

Sequence: A046630
Score: 6.0234
Type of gen. func.: ogf

$$-(7\,f(x)+6)\,(2\,f(x)\,x^{4}-f(x)\,x^{3}+2\,x^{3}-2\,f(x)\,x+x^{2}+f(x)-1)$$

Sequence: A046631

Score: 5.1007
Type of gen. func.: ogf

$$-(6646 f(x) - 13899) (3 f(x) x^{4} - f(x) x^{3} + 3 x^{3} - 3 f(x) x + 6 x^{2} + f(x) - 1)$$

Sequence: A046631
Score: 7.77167
Type of gen. func.: lgdogf

$$-\frac{3 (3 x^{6} + 12 x^{5} - 2 x^{4} + 2 x^{3} + 4 x^{2} - 4 x + 1)}{(x - 1) (3 x - 1) (x^{2} + x + 1) (3 x^{3} + 6 x^{2} - 1)}$$

Sequence: A046631
Score: 9.88752
Type of gen. func.: ogf

$$-\frac{3 x^{3} + 6 x^{2} - 1}{(3 x - 1) (x - 1) (x^{2} + x + 1)}$$

Sequence: A046632
Score: 4.85199
Type of gen. func.: ogf

$$-(74799 f(x) + 18244)$$

$$(4 f(x) x^{4} - f(x) x^{3} + 4 x^{3} - 4 f(x) x + 2 x^{2} + f(x) + x - 1)$$

Sequence: A046632
Score: 7.59631
Type of gen. func.: lgdogf

$$-\frac{16 x^{6} + 16 x^{5} + 10 x^{4} + 14 x^{3} - x^{2} - 4 x + 3}{(x - 1) (-1 + 4 x) (x^{2} + x + 1) (4 x^{3} + 2 x^{2} + x - 1)}$$

Sequence: A046632

Score: 9.21174
Type of gen. func.: ogf

$$-\frac{4x^3 + 2x^2 + x - 1}{(-1 + 4x)(x - 1)(x^2 + x + 1)}$$

Sequence: A046633
Score: 4.73316
Type of gen. func.: ogf

$$-(54436 f(x) + 131505)$$

$$(5 f(x) x^4 - f(x) x^3 + 5 x^3 - 5 f(x) x + 4 x^2 + f(x) - 1)$$

Sequence: A046633
Score: 7.32691
Type of gen. func.: lgdogf

$$-\frac{25x^6 + 40x^5 - 4x^4 + 30x^3 + 8x^2 - 8x + 5}{(x - 1)(5x - 1)(x^2 + x + 1)(5x^3 + 4x^2 - 1)}$$

Sequence: A046633
Score: 9.32068
Type of gen. func.: ogf

$$-\frac{5x^3 + 4x^2 - 1}{(5x - 1)(x - 1)(x^2 + x + 1)}$$

Sequence: A046634
Score: 3.57486
Type of gen. func.: ogf

$$- (1296 x^9 + 2808 x^8 - 690 x^6 - 795 x^5 + 55 x^3 + 27 x^2 - 1) \Big/ ((x - 1)$$

$$(6x - 1)(3x - 1)(2x - 1)(x^2 + x + 1)(4x^2 + 2x + 1)$$

^{2}

$$(9 x + 3 x + 1))$$

Sequence: A046635
Score: 4.74379
Type of gen. func.: ogf

$$(519674 f(x) + 231385)$$

$$(7 f(x) x^{4} - f(x) x^{3} + 7 x^{3} - 7 f(x) x + 6 x^{2} + f(x) + 4 x - 1)$$

Sequence: A046635
Score: 6.81557
Type of gen. func.: lgdogf

$$- \frac{49 x^{6} + 84 x^{5} + 78 x^{4} + 62 x^{3} + 24 x^{2} - 12 x + 3}{(x - 1) (7 x - 1) (x^{2} + x + 1) (7 x^{3} + 6 x^{2} + 4 x - 1)}$$

Sequence: A046635
Score: 8.86883
Type of gen. func.: ogf

$$- \frac{7 x^{3} + 6 x^{2} + 4 x - 1}{(x - 1) (7 x - 1) (x^{2} + x + 1)}$$

Sequence: A046636
Score: 13.3809
Type of gen. func.: ogf

$$- \frac{-1 + 4 x}{(8 x - 1) (x - 1)}$$

Sequence: A046636
Score: 14.0514
Type of gen. func.: revogf

$$- \frac{-1 - 9 x + (49 x^{2} + 2 x + 1)^{1/2}}{}$$

```
                                   8 (2 x + 1)



------------------------------------------------------------------------------

Sequence:  A046636
Score: 15.5305
Type of gen. func.: lgdogf


                                     2
                                 32 x  - 16 x + 5
                         - ------------------------------
                           (x - 1) (8 x - 1) (-1 + 4 x)



------------------------------------------------------------------------------

Sequence:  A046636
Score: 6.40577
Type of gen. func.: ogf


                                       2
           -(1169 f(x) - 544) (8 f(x) x  - 9 f(x) x + f(x) + 4 x - 1)



------------------------------------------------------------------------------

Sequence:  A046636
Score: 7.34320
Type of gen. func.: ogf


              {a(n + 2) - 9 a(n + 1) + 8 a(n), a(0) = 1, a(1) = 5}



------------------------------------------------------------------------------

Sequence:  A046637
Score: 4.51595
Type of gen. func.: ogf


(12482792 f(x) + 66541575)

             4         3       3                 2
    (9 f(x) x  - f(x) x  + 21 x  - 9 f(x) x + 6 x  + f(x) + 6 x - 1)



------------------------------------------------------------------------------

Sequence:  A046637
Score: 6.59061
Type of gen. func.: lgdogf


                      6       5       4        3      2
               3 (63 x  + 36 x  + 52 x  + 110 x  - 2 x  - 4 x + 1)
           - ---------------------------------------------------------
                                   2               3      2
             (x - 1) (9 x - 1) (x  + x + 1) (21 x  + 6 x  + 6 x - 1)



------------------------------------------------------------------------------
```

Sequence: A046637
Score: 8.64481
Type of gen. func.: ogf

$$-\frac{21 x^3 + 6 x^2 + 6 x - 1}{(x - 1) (9 x - 1) (x^2 + x + 1)}$$

Sequence: A046638
Score: 4.32836
Type of gen. func.: ogf

$$- (10000 x^9 + 9000 x^8 - 5130 x^6 - 2357 x^5 + 259 x^3 + 37 x^2 - 1) / ((x - 1) (2 x - 1) (5 x - 1) (10 x - 1) (x^2 + x + 1) (4 x^2 + 2 x + 1) (25 x^2 + 5 x + 1))$$

Sequence: A046639
Score: 3.82541
Type of gen. func.: ogf

$$- (x^{17} - 3 x^{16} - 4 x^{15} - x^{14} + 2 x^{13} + 4 x^{12} + 4 x^{11} - x^{10} - 5 x^9 - x^8 + x^5 + x^3 - 2 x - 1) / ((x - 1) (x + 1) (x^3 + x^2 - 1) (x^5 - x^2 + 1) (x^2 + 1))$$

Sequence: A046646
Score: 5.16070
Type of gen. func.: ogf

$$\{(27 n^2 + 27 n + 6) a(n) + (-4 n^2 - 10 n - 6) a(n + 1), a(0) = 1, a(1) = 2\}$$

Sequence: A046646
Score: 7.32692
Type of gen. func.: ogf

$$-f(x)^3 x - 3 f(x)^2 x - 3 f(x) x + 4 f(x) - x - 4$$

Sequence: A046647
Score: 4.31686
Type of gen. func.: ogf

$$f(x)^3 x^2 - 9 f(x)^2 x^2 - 16 f(x)^2 x + 27 f(x) x^2 - 244 f(x) x - 27 x^2 + 64 f(x) - 124 x - 64$$

Sequence: A046648
Score: 19.3796
Type of gen. func.: revogf

$$x (x - 1)^2$$

Sequence: A046648
Score: 3.13011
Type of gen. func.: ogf

$$-1 + f(x) - 2 f(x)^2 x + f(x)^3 x^2$$

Sequence: A046649
Score: 8.94328
Type of gen. func.: revogf

$$-2 - \frac{15 x}{4} - x^2 - \frac{x^3}{16} + \frac{((x^2 + 12 x + 4) (x + 8)^2 (x + 2)^2)^{1/2}}{16}$$

Sequence: A046649
Score: 9.23505
Type of gen. func.: ogf

$$f(x)^3 x^3 + 16 f(x)^2 x^2 + 60 f(x) x - 16 f(x) + 8 x + 32$$

Sequence: A046662
Score: 3.36284
Type of gen. func.: ogf

$$\{(-n^2 - 5 n - 6) a(n + 1) + (2 n^2 + 13 n + 21) a(n + 2) + (-n^2 - 8 n - 17) a(n + 3) + a(n + 4), a(0) = 1, a(1) = 2, a(2) = 7, a(3) = 52\}$$

Sequence: A046672
Score: 17.3925
Type of gen. func.: ogf

$$\frac{1}{2 x^3 - 3 x^2 - 2 x + 1}$$

Sequence: A046672
Score: 18.4148
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^2 - 3 x - 1)}{2 x^3 - 3 x^2 - 2 x + 1}$$

Sequence: A046672
Score: 6.36688
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 2, a(2) = 7\}$$

Sequence: A046672
Score: 7.06031
Type of gen. func.: ogf

$$(97 f(x) + 20) (2 f(x) x^3 - 3 f(x) x^2 - 2 f(x) x + f(x) - 1)$$

Sequence: A046673
Score: 3.08243
Type of gen. func.: egf]

$$\{(-16 n^4 - 192 n^3 - 860 n^2 - 1704 n - 1260) a(n + 1)$$

$$+ (8 n^3 + 72 n^2 + 210 n + 196) a(n + 2) + (-n^2 - 5 n - 6) a(n + 3),$$

$$a(0) = 2, a(1) = 36, a(2) = 660\}$$

Sequence: A046674
Score: 3.02004
Type of gen. func.: egf]

$$\{(-16 n^4 - 192 n^3 - 860 n^2 - 1704 n - 1260) a(n + 1)$$

$$+ (8 n^3 + 72 n^2 + 210 n + 196) a(n + 2) + (-n^2 - 5 n - 6) a(n + 3),$$

$$a(0) = 1, a(1) = 18, a(2) = 330\}$$

Sequence: A046691
Score: 12.5056
Type of gen. func.: ogf

$$\frac{3 x^2 - 5 x + 1}{(x - 1)^3}$$

Sequence: A046691
Score: 21.4602
Type of gen. func.: lgdogf

$$- \frac{3 x^2 - 4 x - 2}{(x - 1) (3 x^2 - 5 x + 1)}$$

Sequence: A046691
Score: 6.69162
Type of gen. func.: ogf

$$(11 f(x) - 129) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 3 x^2 - f(x) + 5 x - 1)$$

```
Sequence:  A046691
Score: 6.81111
Type of gen. func.: ogf


   {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = -1, a(1) = 2, a(2) = 6}



--------------------------------------------------------------------------------

Sequence:  A046698
Score: 10.0289
Type of gen. func.: ogf


         {-a(n + 4) + a(n + 3), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 2}



--------------------------------------------------------------------------------

Sequence:  A046698
Score: 14.2201
Type of gen. func.: ogf


                                  3
                         -f(x) (x  + f(x) x - f(x) + x)



--------------------------------------------------------------------------------

Sequence:  A046698
Score: 23.2377
Type of gen. func.: ogf


                                         2
                                     x (x  + 1)
                                   - ----------
                                       x - 1



--------------------------------------------------------------------------------

Sequence:  A046698
Score: 32.7833
Type of gen. func.: ogf_with_Euler_transform]


                                     3
                                  [-x  + x + 1]



--------------------------------------------------------------------------------

Sequence:  A046698
Score: 36.1103
Type of gen. func.: lgdogf


                                    2
                                   x  - 2 x - 1
                                 ----------------
                                             2
                                 (x - 1) (x  + 1)
```

Sequence: A046714
Score: 12.2457
Type of gen. func.: revogf

$$\frac{-1 - 5 x + 10 x^2 + (5 x^2 + 10 x + 1)^{1/2}}{50 x^2}$$

Sequence: A046714
Score: 3.65738
Type of gen. func.: ogf

$\{(20 n + 50) a(n + 1) + (-9 n - 30) a(n + 2) + (n + 4) a(n + 3), a(0) = 1,$

$a(1) = 6, a(2) = 32\}$

Sequence: A046714
Score: 5.80656
Type of gen. func.: ogf

$$25 x^3 f(x)^2 - 10 f(x)^2 x^2 + f(x)^2 x + 5 f(x) x - f(x) + 1$$

Sequence: A046715
Score: 4.62976
Type of gen. func.: ogf

$\{(-16 n^3 - 96 n^2 - 188 n - 120) a(n + 1) + (n^3 + 8 n^2 + 19 n + 12) a(n + 2),$

$a(0) = 0, a(1) = 1\}$

Sequence: A046717
Score: 14.9411
Type of gen. func.: ogf

$$\frac{x - 1}{(x + 1) (3 x - 1)}$$

Sequence: A046717
Score: 18.8334
Type of gen. func.: lgdogf

$$-\frac{3x^2-6x-1}{(x-1)(3x-1)(x+1)}$$

Sequence: A046717
Score: 8.19940
Type of gen. func.: ogf

$$\{-a(n+2)+2a(n+1)+3a(n), a(0)=1, a(1)=1\}$$

Sequence: A046717
Score: 9.01816
Type of gen. func.: ogf

$$(28 f(x)-27)(3 f(x) x^2+2 f(x) x-f(x)-x+1)$$

Sequence: A046718
Score: 4.20912
Type of gen. func.: ogf

$$\{(32 n^2+156 n+184) a(n+1)+(-26 n^2-74 n+28) a(n+2)$$
$$+(5 n^2+7 n-24) a(n+3), a(0)=1, a(1)=4, a(2)=14\}$$

Sequence: A046718
Score: 5.23296
Type of gen. func.: ogf

$$(31968 f(x)-23969)(16 f(x) x^4-32 f(x) x^3+24 f(x) x^2+x^3-8 f(x) x$$
$$-6 x^2+f(x)+4 x-1)$$

Sequence: A046718
Score: 9.68099
Type of gen. func.: ogf

$$-\frac{x^3 - 6x^2 + 4x - 1}{(2x - 1)^4}$$

Sequence: A046727
Score: 10.9019
Type of gen. func.: ogf

$$-\frac{x(x^2 - 6x - 3)}{(x + 1)(x^2 - 6x + 1)}$$

Sequence: A046727
Score: 5.28822
Type of gen. func.: ogf

{a(n + 4) - 5 a(n + 3) - 5 a(n + 2) + a(n + 1), a(0) = 0, a(1) = 3, a(2) = 21,

a(3) = 119}

Sequence: A046727
Score: 5.85638
Type of gen. func.: ogf

$$(1316 f(x) + 1629) (f(x) x^3 - 5 f(x) x^2 + x^3 - 5 f(x) x - 6 x^2 + f(x) - 3 x)$$

Sequence: A046727
Score: 9.86844
Type of gen. func.: lgdogf

$$-\frac{x^4 - 12x^3 + 26x^2 + 28x + 21}{(x + 1)(x^2 - 6x + 1)(x^2 - 6x - 3)}$$

Sequence: A046729
Score: 12.9223
Type of gen. func.: ogf

$$\frac{4 x}{(x + 1) (x^{2} - 6 x + 1)}$$

Sequence: A046729
Score: 16.8344
Type of gen. func.: lgdogf

$$- \frac{3 x^{2} - 10 x - 5}{(x + 1) (x^{2} - 6 x + 1)}$$

Sequence: A046729
Score: 5.19199
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) + 5 a(n + 1) - a(n), a(0) = 0, a(1) = 4, a(2) = 20\}$$

Sequence: A046729
Score: 5.53813
Type of gen. func.: ogf

$$-(87 f(x) + 20) (f(x) x^{3} - 5 f(x) x^{2} - 5 f(x) x + f(x) - 4 x)$$

Sequence: A046736
Score: 35.6225
Type of gen. func.: revogf

$$\frac{x (x^{2} + x - 1)}{x - 1}$$

Sequence: A046736
Score: 8.92115
Type of gen. func.: ogf

$$-f(x)^{3} x^{2} - f(x)^{2} x + f(x) x + f(x) - 1$$

Sequence: A046748
Score: 10.3632
Type of gen. func.: ogf

$$-25 f(x)^{2} x^{2} + 10 f(x)^{2} x - f(x)^{2} - 4 x + 1$$

Sequence: A046748
Score: 27.0134
Type of gen. func.: lgdogf

$$-\frac{-3 + 10 x}{(5 x - 1) (-1 + 4 x)}$$

Sequence: A046748
Score: 4.64325
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-21 - 9 n) a(n + 2) + (30 + 20 n) a(n + 1), a(0) = 1, a(1) = 3, a(2) = 13\}$$

Sequence: A046814
Score: 4.48081
Type of gen. func.: ogf

$$-25 x^{3} f(x)^{2} + 10 f(x)^{2} x^{2} - f(x)^{2} x + 20 f(x) x^{2} - 9 f(x) x - 16 x^{2} + f(x) + 8 x - 1$$

Sequence: A046877
Score: 12.8673
Type of gen. func.: ogf

$$-\frac{3 x^{2} + 2 x + 3}{x^{3} + x^{2} - 1}$$

Sequence: A046877
Score: 14.0861

Type of gen. func.: lgdogf

$$-\frac{(x + 1) (3 x^3 + x^2 + 10 x + 2)}{(3 x^2 + 2 x + 3) (x^3 + x^2 - 1)}$$

Sequence: A046877
Score: 7.63994
Type of gen. func.: ogf

$$(81 f(x) + 407) (f(x) x^3 + f(x) x^2 + 3 x^2 - f(x) + 2 x + 3)$$

Sequence: A046877
Score: 7.80249
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1) + a(n), a(0) = 3, a(1) = 2, a(2) = 6\}$$

Sequence: A046885
Score: 11.6841
Type of gen. func.: revogf

$$-\frac{-1 - 9 x - 10 x^2 + (5 x^2 + 2 x + 1)^{1/2}}{2 (2 + 5 x)^2}$$

Sequence: A046885
Score: 4.97143
Type of gen. func.: ogf

$$-25 x^3 f(x)^2 + 10 f(x)^2 x^2 - f(x)^2 x - 20 f(x) x^2 + 9 f(x) x - f(x) - 4 x + 1$$

Sequence: A046895
Score: 10.6713
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^3 + 5 x^2 - 3 x + 9}{}$$

$$-x^3 - x^2 - x - 1$$

Sequence: A046905
Score: 2.01236
Type of gen. func.: ogf

$$(f(x) - x - 1)^2$$

Sequence: A046914
Score: 3.96367
Type of gen. func.: ogf

$$(639420336 f(x) - 95154161) (100 f(x) x^4 - 180 f(x) x^3 + 97 f(x) x^2 - 10 x^3 - 18 f(x) x + 27 x^2 + f(x) - 8 x)$$

Sequence: A046914
Score: 6.21938
Type of gen. func.: lgdogf

$$- \frac{2000 x^5 - 9900 x^4 + 12920 x^3 - 6759 x^2 + 1532 x - 117}{(x - 1) (2 x - 1) (5 x - 1) (10 x - 1) (10 x^2 - 27 x + 8)}$$

Sequence: A046914
Score: 7.63373
Type of gen. func.: ogf

$$\frac{x (10 x^2 - 27 x + 8)}{(x - 1) (2 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A046915
Score: 4.4271
Type of gen. func.: ogf

$$(444042 f(x) - 33049)$$

4 3 2 2

$$(100 f(x) x - 180 f(x) x + 97 f(x) x - 18 f(x) x + 10 x + f(x) - 1)$$

Sequence: A046915
Score: 7.03958
Type of gen. func.: lgdogf

$$-\frac{2 (1000 x^{5} - 900 x^{4} - 200 x^{3} + 360 x^{2} - 107 x + 9)}{(x - 1) (2 x - 1) (5 x - 1) (10 x - 1) (10 x^{2} - 1)}$$

Sequence: A046915
Score: 8.66974
Type of gen. func.: ogf

$$-\frac{10 x^{2} - 1}{(x - 1) (2 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A046916
Score: 6.90818
Type of gen. func.: ogf

$$-\frac{10 x^{4} - 6 x^{3} + x^{2} - 2 x + 1}{(2 x - 1)^{2} (x - 1)^{3}}$$

Sequence: A046916
Score: 8.87329
Type of gen. func.: lgdogf

$$-\frac{20 x^{5} + 26 x^{4} - 46 x^{3} + x^{2} + 16 x - 5}{(2 x - 1) (x - 1) (10 x^{4} - 6 x^{3} + x^{2} - 2 x + 1)}$$

Sequence: A046957
Score: 10.5094
Type of gen. func.: lgdogf

$${}^{4} \qquad {}^{3} \qquad {}^{2}$$

$$\frac{44 x + 594 x - 2046 x - 7 x - 5}{(x - 1) (22 x^{4} + 682 x^{3} + 2 x^{2} + 3 x + 1)}$$

Sequence: A046957
Score: 9.98018
Type of gen. func.: ogf

$$\frac{22 x^{4} + 682 x^{3} + 2 x^{2} + 3 x + 1}{(x - 1)^{2}}$$

Sequence: A046959
Score: 6.29654
Type of gen. func.: lgdogf

$$\frac{2262 x^{8} - 1571 x^{7} - 3003 x^{6} + 2280 x^{5} - 1324 x^{4} - 52 x^{3} - 10 x - 2}{(x - 1) (377 x^{8} + 289 x^{7} - 245 x^{6} + 270 x^{5} + 13 x^{4} + 5 x^{2} + 1)}$$

Sequence: A046959
Score: 7.56597
Type of gen. func.: ogf

$$\frac{x (377 x^{8} + 289 x^{7} - 245 x^{6} + 270 x^{5} + 13 x^{4} + 5 x^{2} + 1)}{(x - 1)^{2}}$$

Sequence: A046960
Score: 5.63498
Type of gen. func.: lgdogf

$$(5328 x^{10} - 6660 x^{9} + 205 x^{7} - 339 x^{6} + 99 x^{5} - 29 x^{4} - 10 x^{3} - 6 x^{2} - 6 x - 2) \Big/ ((x - 1) (666 x^{10} + 41 x^{7} - 13 x^{6} + 7 x^{5} + 3 x^{4} + 2 x^{3} + 3 x^{2} + 1))$$

Sequence: A046960

Score: 7.16076
Type of gen. func.: ogf

$$\frac{666 x^{10} + 41 x^{7} - 13 x^{6} + 7 x^{5} + 3 x^{4} + 2 x^{3} + 3 x^{2} + 1}{(x - 1)^{2}}$$

Sequence: A046961
Score: 6.71653
Type of gen. func.: ogf

$$\frac{688 x^{9} - 22 x^{8} + 41 x^{6} - 38 x^{5} + 38 x^{4} - 13 x^{3} + 7 x^{2} + 8 x + 1}{(x - 1)^{2}}$$

Sequence: A046962
Score: 7.13749
Type of gen. func.: ogf

$$\frac{333 x^{16} + 19 x^{10} - 16 x^{9} + 16 x^{8} + 2 x^{4} - 2 x^{3} + 2 x^{2} + 1}{(x - 1)^{2}}$$

Sequence: A046963
Score: 7.59463
Type of gen. func.: lgdogf

$$\frac{2997 x^{11} - 3663 x^{10} + 38 x^{4} - 95 x^{3} + 57 x^{2} - 40 x - 4}{(x - 1) (333 x^{11} + 19 x^{4} - 19 x^{3} + 19 x^{2} + 2 x + 1)}$$

Sequence: A046963
Score: 8.78128
Type of gen. func.: ogf

$$\frac{333 x^{11} + 19 x^{4} - 19 x^{3} + 19 x^{2} + 2 x + 1}{(x - 1)^{2}}$$

Sequence: A046964
Score: 8.84698
Type of gen. func.: ogf

$$\frac{377 x^6 + 327 x^5 + 5 x^4 - x^2 + x + 1}{(x - 1)^2}$$

Sequence: A046964
Score: 9.00070
Type of gen. func.: lgdogf

$$\frac{1508 x^6 - 1281 x^5 - 1625 x^4 - 20 x^3 + x - 3}{(x - 1) (377 x^6 + 327 x^5 + 5 x^4 - x^2 + x + 1)}$$

Sequence: A046978
Score: 10.9574
Type of gen. func.: ogf

$$(f(x) + 1) (f(x) x^4 - x^3 - x^2 + f(x) - x)$$

Sequence: A046978
Score: 16.3328
Type of gen. func.: ogf

$$\frac{x (x^2 + x + 1)}{x^4 + 1}$$

Sequence: A046978
Score: 23.3475
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 - x^3 - x^2 + 1$$

Sequence: A046978
Score: 25.6485
Type of gen. func.: lgdogf

$$-\frac{2x^5+3x^4+4x^3-2x-1}{(x^2+x+1)(x^4+1)}$$

Sequence: A046980
Score: 10.5973
Type of gen. func.: ogf

$$-f(x)\,(f(x)\,x^4+x^3+f(x)-x-1)$$

Sequence: A046980
Score: 15.3553
Type of gen. func.: ogf

$$-\frac{x^3-x-1}{x^4+1}$$

Sequence: A046980
Score: 22.6630
Type of gen. func.: lgdogf

$$-\frac{(x^4-2x^3-2x+1)(x+1)^2}{(x^3-x-1)(x^4+1)}$$

Sequence: A046980
Score: 8.64841
Type of gen. func.: ogf

$$\{a(n+4)+a(n),\ a(0)=1,\ a(1)=1,\ a(2)=0,\ a(3)=-1\}$$

Sequence: A046984
Score: 10.4621

Type of gen. func.: lgdogf

$$-\frac{4\,(12\,x^{3}+30\,x^{2}-11\,x+1)}{(6\,x-1)\,(4\,x^{3}+22\,x^{2}-10\,x+1)}$$

Sequence: A046984
Score: 10.6835
Type of gen. func.: ogf

$$-\frac{6\,x-1}{4\,x^{3}+22\,x^{2}-10\,x+1}$$

Sequence: A046984
Score: 5.10950
Type of gen. func.: ogf

$$\{a(n+3)-10\,a(n+2)+22\,a(n+1)+4\,a(n),\ a(0)=1,\ a(1)=4,\ a(2)=18\}$$

Sequence: A046984
Score: 6.67744
Type of gen. func.: ogf

$$(653\,f(x)-58)\,(4\,f(x)\,x^{3}+22\,f(x)\,x^{2}-10\,f(x)\,x+f(x)+6\,x-1)$$

Sequence: A046994
Score: 10.6497
Type of gen. func.: ogf

$$-\frac{x^{3}-x-1}{(2\,x-1)\,(2\,x^{2}-1)}$$

Sequence: A046994
Score: 11.5641
Type of gen. func.: lgdogf

$$4 \qquad 3 \qquad 2$$

$$-\frac{2x - 4x - 13x + 4x + 3}{(2x-1)(2x^2-1)(x^3-x-1)}$$

Sequence: A046994
Score: 4.88443
Type of gen. func.: ogf

$$\{a(n+4) - 2a(n+3) - 2a(n+2) + 4a(n+1), a(0) = 1, a(1) = 3, a(2) = 8, a(3) = 17\}$$

Sequence: A046994
Score: 5.50533
Type of gen. func.: ogf

$$-(18f(x) + 307)(4f(x)x^3 - 2f(x)x^2 + x^3 - 2f(x)x + f(x) - x - 1)$$

Sequence: A046995
Score: 3.95339
Type of gen. func.: ogf

$$-\frac{(x-1)(x^7 - x^6 - 2x^5 + 3x^4 - 2x^3 - 4x^2 - 2x - 1)}{(x^4 - 2x^3 + 2x^2 + 2x - 1)(x^4 - x^3 - 3x^2 - x + 1)}$$

Sequence: A046998
Score: 12.2461
Type of gen. func.: lgdogf

$$-\frac{2x^4 + 39x^2 + 18x + 1}{(x-1)(2x^4 - 4x^3 + 17x^2 - 4x + 1)}$$

Sequence: A046998
Score: 7.16292
Type of gen. func.: ogf

$$2x^4 - 4x^3 + 17x^2 - 4x + 1$$

$$-\frac{}{(x - 1)^5}$$

Sequence: A047009
Score: 10.2115
Type of gen. func.: ogf

$$-8 x - 9 + 15 f(x) - 7 f(x)^2 + f(x)^3$$

Sequence: A047009
Score: 5.24626
Type of gen. func.: ogf

$$\{(27 n^2 - 3) a(n) + (-4 n^2 - 6 n - 2) a(n + 1), a(0) = 1, a(1) = 2\}$$

Sequence: A047053
Score: 13.8206
Type of gen. func.: egf]

$$-4 f(x) x + f(x) - 1$$

Sequence: A047053
Score: 26.9830
Type of gen. func.: egf]

$$-\frac{1}{-1 + 4 x}$$

Sequence: A047053
Score: 55.5309
Type of gen. func.: lgdegf]

$$-\frac{4}{-1 + 4 x}$$

Sequence: A047053
Score: 6.43911

Type of gen. func.: ogf

$$\{(-4 n - 8) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A047054
Score: 15.4274
Type of gen. func.: lgdegf]

$$-\frac{5}{5 x - 1}$$

Sequence: A047054
Score: 3.9874
Type of gen. func.: egf]

$$-5 f(x) x + f(x) - 1$$

Sequence: A047055
Score: 13.2891
Type of gen. func.: revegf]

$$-\frac{(1 - 3 x)^{2/3}}{5} + \frac{3 (1 - 3 x)^{2/3} x}{5} + 1/5$$

Sequence: A047055
Score: 37.2095
Type of gen. func.: lgdegf]

$$-2 + (1 - 5 x) f(x)$$

Sequence: A047055
Score: 6.47131
Type of gen. func.: ogf

$$\{(-5 n - 7) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A047056
Score: 32.7166

Type of gen. func.: lgdegf]

$$-3 + (1 - 5 x) f(x)$$

Sequence: A047056
Score: 5.70272
Type of gen. func.: ogf

$$\{(-5 n - 8) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A047056
Score: 7.66794
Type of gen. func.: revegf]

$$-\frac{(1 - 2 x)^{1/2}}{5} + \frac{4 (1 - 2 x)^{1/2} x}{5} - \frac{4 (1 - 2 x)^{1/2} x^2}{5} + 1/5$$

Sequence: A047058
Score: 13.322
Type of gen. func.: egf]

$$-6 f(x) x + f(x) - 1$$

Sequence: A047058
Score: 26.0095
Type of gen. func.: egf]

$$-\frac{1}{6 x - 1}$$

Sequence: A047058
Score: 53.5110
Type of gen. func.: lgdegf]

$$-\frac{6}{6 x - 1}$$

Sequence: A047058
Score: 6.13708
Type of gen. func.: ogf

$$\{(-6 n - 12) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 6\}$$

Sequence: A047073
Score: 3.56145
Type of gen. func.: ogf

$$\{(4 n^2 - 4 n) a(n) + (4 n^2 + 14 n) a(n + 1) + (-n^2 + n + 6) a(n + 2) + (-n^2 - 5 n - 6) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A047073
Score: 7.69732
Type of gen. func.: ogf

$$-2 f(x)^2 x - 8 x^3 + f(x)^2 + 4 f(x) x - 4 x^2 - 2 f(x) - 2 x + 1$$

Sequence: A047074
Score: 8.57466
Type of gen. func.: ogf

$$2 f(x)^2 x + 8 x^3 - f(x)^2 - 6 f(x) x + 3 f(x) + 3 x - 2$$

Sequence: A047081
Score: 4.41283
Type of gen. func.: ogf

$$\{a(n + 5) - a(n + 4) - 3 a(n + 3) + 3 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 6, a(4) = 11\}$$

Sequence: A047081
Score: 8.51531
Type of gen. func.: ogf

$$-(222 f(x) + 157) (f(x) x^3 + f(x) x^2 + f(x) x - f(x) + x + 1)$$

Sequence: A047081
Score: 9.27335
Type of gen. func.: ogf

$$\frac{(x+1)\,(2x^{3}-2x^{2}+1)}{(x-1)\,(3x^{2}-1)}$$

Sequence: A047081
Score: 9.34142
Type of gen. func.: lgdogf

$$\frac{2\,(3x^{6}-6x^{5}+x^{3}-2x^{2}+x+1)}{(x-1)\,(x+1)\,(3x^{2}-1)\,(2x^{3}-2x^{2}+1)}$$

Sequence: A047084
Score: 7.03810
Type of gen. func.: ogf

$$\frac{(x^{2}+x+1)\,(x^{5}-x^{2}+1)}{(x-1)\,(x^{3}+x-1)\,(x+1)^{2}}$$

Sequence: A047084
Score: 7.62259
Type of gen. func.: lgdogf

$$\frac{x^{11}+x^{10}-x^{9}-x^{8}-8x^{7}-3x^{5}+3x^{4}-x^{3}-x^{2}+3x+1}{(x-1)\,(x+1)\,(x^{2}+x+1)\,(x^{3}+x-1)\,(x^{5}-x^{2}+1)}$$

Sequence: A047085
Score: 9.3492
Type of gen. func.: ogf

$$-x^{3}f(x)^{2}-f(x)^{2}x^{2}-3f(x)^{2}x+f(x)^{2}+x-1$$

Sequence: A047086
Score: 4.96564
Type of gen. func.: ogf

$$f(x)^2 x^4 + x^3 f(x)^2 - f(x) x^4 + 3 f(x)^2 x^2 - f(x)^2 x - 2 f(x) x^2 + 4 f(x) x - f(x) - x + 1$$

Sequence: A047098
Score: 10.8238
Type of gen. func.: ogf

$$-8 f(x)^3 x + f(x)^3 + f(x)^2 - f(x) - 1$$

Sequence: A047099
Score: 36.6357
Type of gen. func.: revogf

$$\frac{x (x + 1)^2}{(2 x + 1)^3}$$

Sequence: A047099
Score: 6.21598
Type of gen. func.: ogf

$$8 f(x)^3 x^3 - f(x)^3 x^2 + 12 f(x)^2 x^2 - 2 f(x)^2 x + 6 f(x) x - f(x) + 1$$

Sequence: A047201
Score: 11.3109
Type of gen. func.: ogf

$$\frac{x^4 + x^3 + x^2 + x + 1}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047201
Score: 29.9308
Type of gen. func.: ogf_with_Euler_transform]

$$-x^4 + x^3 + 2$$

Sequence: A047201
Score: 8.08610
Type of gen. func.: lgdogf

$$-\frac{x^7 + 3x^6 + 5x^5 + 7x^4 + 12x^3 + 6x^2 + 4x + 2}{(x - 1)(x + 1)(x^2 + 1)(x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A047202
Score: 11.9182
Type of gen. func.: ogf

$$\frac{x^3 + x^2 + x + 2}{(x^2 + x + 1)(x - 1)^2}$$

Sequence: A047202
Score: 13.2075
Type of gen. func.: lgdogf

$$-\frac{x^5 + 3x^4 + 5x^3 + 13x^2 + 5x + 3}{(x - 1)(x^2 + x + 1)(x^3 + x^2 + x + 2)}$$

Sequence: A047202
Score: 4.95395
Type of gen. func.: ogf

$\{(5n + 19) a(n + 1) + 5 a(n + 2) + 5 a(n + 3) + (-5n - 14) a(n + 4), a(0) = 2,$

$a(1) = 3, a(2) = 4, a(3) = 7\}$

Sequence: A047202
Score: 6.74061
Type of gen. func.: ogf

$$(55 f(x) + 421) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - x^2 + f(x) - x - 2)$$

Sequence: A047203
Score: 12.1270
Type of gen. func.: lgdogf

$$- \frac{2 x^6 + 4 x^5 + 6 x^4 + 13 x^3 + 7 x^2 + 5 x + 3}{(x - 1) (x + 1) (x^2 + 1) (x^3 + x^2 + x + 2)}$$

Sequence: A047203
Score: 12.3028
Type of gen. func.: ogf

$$\frac{x (x^3 + x^2 + x + 2)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047204
Score: 13.3570
Type of gen. func.: ogf

$$\frac{x^2 + x + 3}{(x + 1) (x - 1)^2}$$

Sequence: A047204
Score: 19.4731
Type of gen. func.: lgdogf

$$- \frac{x^3 + 3 x^2 + 12 x + 4}{(x - 1) (x + 1) (x^2 + x + 3)}$$

Sequence: A047204
Score: 7.27477
Type of gen. func.: ogf

$$(5 f(x) + 41) (f(x) x^{3} - f(x) x^{2} - f(x) x - x^{2} + f(x) - x - 3)$$

Sequence: A047204
Score: 7.27477
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 3, a(1) = 4, a(2) = 8\}$$

Sequence: A047205
Score: 12.5874
Type of gen. func.: ogf

$$\frac{x (x^{2} + x + 3)}{(x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A047205
Score: 15.4934
Type of gen. func.: lgdogf

$$-\frac{2 (x^{4} + 2 x^{3} + 7 x^{2} + 3 x + 2)}{(x - 1) (x^{2} + x + 1) (x^{2} + x + 3)}$$

Sequence: A047205
Score: 4.95867
Type of gen. func.: ogf

$$\{(-5 n - 17) a(n + 1) - 5 a(n + 2) - 5 a(n + 3) + (5 n + 12) a(n + 4), a(0) = 0,$$
$$a(1) = 3, a(2) = 4, a(3) = 5\}$$

Sequence: A047205
Score: 6.76182
Type of gen. func.: ogf

$$-(5 f(x) - 161) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - x^2 + f(x) - 3 x)$$

Sequence: A047206
Score: 11.9182
Type of gen. func.: ogf

$$\frac{x^3 + x^2 + 2 x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047206
Score: 12.7882
Type of gen. func.: lgdogf

$$-\frac{x^5 + 3 x^4 + 8 x^3 + 10 x^2 + 5 x + 3}{(x - 1) (x^2 + x + 1) (x^3 + x^2 + 2 x + 1)}$$

Sequence: A047206
Score: 4.95395
Type of gen. func.: ogf

$$\{(-5 n - 18) a(n + 1) - 5 a(n + 2) - 5 a(n + 3) + (5 n + 13) a(n + 4), a(0) = 1, a(1) = 3, a(2) = 4, a(3) = 6\}$$

Sequence: A047206
Score: 6.91054
Type of gen. func.: ogf

$$(5 f(x) + 4) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - x^2 + f(x) - 2 x - 1)$$

Sequence: A047207
Score: 10.9707
Type of gen. func.: lgdogf

$$2 x^6 + 4 x^5 + 10 x^4 + 9 x^3 + 7 x^2 + 5 x + 3$$

$$-\frac{}{(x - 1) (x + 1) (x^2 + 1) (x^3 + x^2 + 2 x + 1)}$$

Sequence: A047207
Score: 11.4447
Type of gen. func.: ogf

$$\frac{x (x^3 + x^2 + 2 x + 1)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047208
Score: 14.2224
Type of gen. func.: ogf

$$\frac{x (x + 4)}{(x + 1) (x - 1)^2}$$

Sequence: A047208
Score: 24.1938
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 13 x + 5}{(x - 1) (x + 4) (x + 1)}$$

Sequence: A047208
Score: 7.23822
Type of gen. func.: ogf

$$(305 f(x) + 1529) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - 4 x)$$

Sequence: A047208
Score: 7.30341
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 4, a(2) = 5\}$$

Sequence: A047209
Score: 14.0052
Type of gen. func.: ogf

$$\frac{x^2 + 3x + 1}{(x + 1)(x - 1)^2}$$

Sequence: A047209
Score: 19.9478
Type of gen. func.: lgdogf

$$-\frac{x^3 + 7x^2 + 8x + 4}{(x - 1)(x + 1)(x^2 + 3x + 1)}$$

Sequence: A047209
Score: 7.62782
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 4, a(2) = 6}

Sequence: A047209
Score: 7.69655
Type of gen. func.: ogf

$$(f(x) - 1)(f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - 3x - 1)$$

Sequence: A047211
Score: 17.9925
Type of gen. func.: ogf

$$\frac{x^2 + 2x + 2}{(x + 1)(x - 1)^2}$$

Sequence: A047211
Score: 25.1238
Type of gen. func.: lgdogf

$$-\frac{x^3 + 5 x^2 + 10 x + 4}{(x - 1) (x + 1) (x^2 + 2 x + 2)}$$

Sequence: A047211
Score: 9.30116
Type of gen. func.: ogf

$$-(95 f(x) - 489) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - 2 x - 2)$$

Sequence: A047211
Score: 9.79946
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 4, a(2) = 7\}$$

Sequence: A047212
Score: 12.5874
Type of gen. func.: ogf

$$\frac{x (x^2 + 2 x + 2)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047212
Score: 14.6483
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 7 x^3 + 11 x^2 + 6 x + 4}{(x - 1) (x^2 + x + 1) (x^2 + 2 x + 2)}$$

Sequence: A047212
Score: 4.95867
Type of gen. func.: ogf

```
{(5 n + 16) a(n + 1) + 5 a(n + 2) + 5 a(n + 3) + (-5 n - 11) a(n + 4), a(0) = 0,

    a(1) = 2, a(2) = 4, a(3) = 5}
```

Sequence: A047212
Score: 6.99299
Type of gen. func.: ogf

```
                            4          3    3                2
      (15 f(x) + 43) (f(x) x  - f(x) x  - x  - f(x) x - 2 x  + f(x) - 2 x)
```

Sequence: A047215
Score: 15.6140
Type of gen. func.: ogf

```
                                     x (3 x + 2)
                                   ----------------
                                                  2
                                   (x + 1) (x - 1)
```

Sequence: A047215
Score: 25.8095
Type of gen. func.: lgdogf

```
                                          2
                                       6 x  + 9 x + 5
                             - -------------------------
                               (x - 1) (3 x + 2) (x + 1)
```

Sequence: A047215
Score: 7.73914
Type of gen. func.: ogf

```
                                  3         2                2
       -(115 f(x) - 187) (f(x) x  - f(x) x  - f(x) x - 3 x  + f(x) - 2 x)
```

Sequence: A047215
Score: 8.01802
Type of gen. func.: ogf

```
     {a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 0, a(1) = 2, a(2) = 5}
```

Sequence: A047216
Score: 13.3570
Type of gen. func.: ogf

$$\frac{3 x^2 + x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A047216
Score: 17.7421
Type of gen. func.: lgdogf

$$- \frac{3 x^3 + 5 x^2 + 10 x + 2}{(x - 1) (x + 1) (3 x^2 + x + 1)}$$

Sequence: A047216
Score: 7.14715
Type of gen. func.: ogf

$$(65 f(x) + 463) (f(x) x^3 - f(x) x^2 - f(x) x - 3 x^2 + f(x) - x - 1)$$

Sequence: A047216
Score: 7.27477
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A047217
Score: 13.5024
Type of gen. func.: ogf

$$\frac{x (3 x^2 + x + 1)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047217

Score: 15.4464
Type of gen. func.: lgdogf

$$-\frac{2\,(3x^4+3x^3+4x^2+4x+1)}{(x-1)\,(x^2+x+1)\,(3x^2+x+1)}$$

Sequence: A047217
Score: 5.35157
Type of gen. func.: ogf

$$\{(5n+13)\,a(n+1)+5\,a(n+2)+5\,a(n+3)+(-5n-8)\,a(n+4),\ a(0)=0,$$

$$a(1)=1,\ a(2)=2,\ a(3)=5\}$$

Sequence: A047217
Score: 7.43778
Type of gen. func.: ogf

$$(70\,f(x)+421)\,(f(x)\,x^4-f(x)\,x^3-3\,x^3-f(x)\,x-x^2+f(x)-x)$$

Sequence: A047218
Score: 14.2224
Type of gen. func.: ogf

$$\frac{x\,(2x+3)}{(x+1)\,(x-1)^2}$$

Sequence: A047218
Score: 22.8113
Type of gen. func.: lgdogf

$$-\frac{4x^2+11x+5}{(x-1)\,(2x+3)\,(x+1)}$$

Sequence: A047218
Score: 7.30341
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 0, a(1) = 3, a(2) = 5}

Sequence: A047218
Score: 7.87068
Type of gen. func.: ogf

$$-f(x)\,(f(x)\,x^3 - f(x)\,x^2 - f(x)\,x - 2\,x^2 + f(x) - 3\,x)$$

Sequence: A047219
Score: 13.3570
Type of gen. func.: ogf

$$\frac{2\,x^2 + 2\,x + 1}{(x + 1)\,(x - 1)^2}$$

Sequence: A047219
Score: 17.3564
Type of gen. func.: lgdogf

$$-\frac{2\,x^3 + 6\,x^2 + 9\,x + 3}{(x - 1)\,(x + 1)\,(2\,x^2 + 2\,x + 1)}$$

Sequence: A047219
Score: 6.84685
Type of gen. func.: ogf

$$-(55\,f(x) - 1171)\,(f(x)\,x^3 - f(x)\,x^2 - f(x)\,x - 2\,x^2 + f(x) - 2\,x - 1)$$

Sequence: A047219
Score: 7.27477
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 3, a(2) = 6}

Sequence: A047220
Score: 12.5874
Type of gen. func.: ogf

$$\frac{x\,(2\,x^2+2\,x+1)}{(x^2+x+1)\,(x-1)^2}$$

Sequence: A047220
Score: 14.3867
Type of gen. func.: lgdogf

$$-\frac{(x+1)\,(4\,x^3+4\,x^2+4\,x+3)}{(x-1)\,(x^2+x+1)\,(2\,x^2+2\,x+1)}$$

Sequence: A047220
Score: 4.98890
Type of gen. func.: ogf

$\{(5\,n+14)\,a(n+1)+5\,a(n+2)+5\,a(n+3)+(-5\,n-9)\,a(n+4),\ a(0)=0,$

$a(1)=1,\ a(2)=3,\ a(3)=5\}$

Sequence: A047220
Score: 6.87546
Type of gen. func.: ogf

$$(170\,f(x)-321)\,(f(x)\,x^4-f(x)\,x^3-2\,x^3-f(x)\,x-2\,x^2+f(x)-x)$$

Sequence: A047221
Score: 14.0052
Type of gen. func.: ogf

$$\frac{2\,x^2+x+2}{(x+1)\,(x-1)^2}$$

Sequence: A047221
Score: 18.6179
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 4 x^2 + 11 x + 3}{(x - 1) (x + 1) (2 x^2 + x + 2)}$$

Sequence: A047221
Score: 7.3648
Type of gen. func.: ogf

$$-(7 f(x) + 51) (f(x) x^3 - f(x) x^2 - f(x) x - 2 x^2 + f(x) - x - 2)$$

Sequence: A047221
Score: 7.62782
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 3, a(2) = 7\}$$

Sequence: A047222
Score: 12.5874
Type of gen. func.: ogf

$$\frac{x (2 x^2 + x + 2)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047222
Score: 14.6483
Type of gen. func.: lgdogf

$$-\frac{4 x^4 + 5 x^3 + 11 x^2 + 7 x + 3}{(x - 1) (x^2 + x + 1) (2 x^2 + x + 2)}$$

Sequence: A047222
Score: 5.01951
Type of gen. func.: ogf

$\{(n + 3) a(n + 1) + a(n + 2) + a(n + 3) + (-n - 2) a(n + 4), a(0) = 0, a(1) = 2,$

$a(2) = 3, a(3) = 5\}$

Sequence: A047222
Score: 7.11461
Type of gen. func.: ogf

$$(f(x) + 1) (f(x) x^4 - f(x) x^3 - 2 x^3 - f(x) x - x^2 + f(x) - 2 x)$$

Sequence: A047223
Score: 10.1263
Type of gen. func.: lgdogf

$$- \frac{2 (x^5 + 2 x^4 + 3 x^3 + 6 x^2 + 2 x + 1)}{(x - 1) (x^2 + x + 1) (2 x^3 + x^2 + x + 1)}$$

Sequence: A047223
Score: 11.9182
Type of gen. func.: ogf

$$\frac{2 x^3 + x^2 + x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047223
Score: 4.95395
Type of gen. func.: ogf

$\{(5 n + 16) a(n + 1) + 5 a(n + 2) + 5 a(n + 3) + (-5 n - 11) a(n + 4), a(0) = 1,$

$a(1) = 2, a(2) = 3, a(3) = 6\}$

Sequence: A047223
Score: 6.63189
Type of gen. func.: ogf

4 3 3 2

$$(180 f(x) + 1171) (f(x) x - f(x) x - 2 x - f(x) x - x + f(x) - x - 1)$$

Sequence: A047225
Score: 11.5885
Type of gen. func.: ogf

$$\frac{x (5 x + 1)}{(x + 1) (x - 1)^{2}}$$

Sequence: A047225
Score: 18.0209
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^{2} + 4 x + 3)}{(x - 1) (5 x + 1) (x + 1)}$$

Sequence: A047225
Score: 5.89774
Type of gen. func.: ogf

$$(492 f(x) + 4147) (f(x) x^{3} - f(x) x^{2} - f(x) x - 5 x^{2} + f(x) - x)$$

Sequence: A047225
Score: 5.95087
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 6\}$$

Sequence: A047226
Score: 10.0705
Type of gen. func.: ogf

$$\frac{x (2 x^{4} + x^{3} + x^{2} + x + 1)}{(x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A047226
Score: 7.07534
Type of gen. func.: lgdogf

$$-\frac{(x + 1) (4 x^7 + x^6 + 6 x^5 + 3 x^4 + 8 x^3 + 4 x^2 + 2 x + 2)}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (2 x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A047227
Score: 10.5557
Type of gen. func.: ogf

$$\frac{2 x^4 + x^3 + x^2 + x + 1}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047227
Score: 9.47659
Type of gen. func.: lgdogf

$$-\frac{2 (x^7 + 2 x^6 + 3 x^5 + 4 x^4 + 8 x^3 + 3 x^2 + 2 x + 1)}{(x - 1) (x + 1) (x^2 + 1) (2 x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A047228
Score: 12.0091
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x^2 - x + 2)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047228
Score: 5.05260
Type of gen. func.: ogf

{(-2 n - 7) a(n + 1) - 2 a(n + 2) - 2 a(n + 3) + (2 n + 5) a(n + 4), a(0) = 2,

a(1) = 3, a(2) = 4, a(3) = 8}

Sequence: A047228
Score: 6.5764
Type of gen. func.: ogf

$$-(72 f(x) + 563) (f(x) x^4 - f(x) x^3 - 2 x^3 - f(x) x - x^2 + f(x) - x - 2)$$

Sequence: A047228
Score: 9.80899
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 4 x^4 + 6 x^3 + 16 x^2 + 5 x + 3}{(x - 1) (x + 1) (x^2 + x + 1) (2 x^2 - x + 2)}$$

Sequence: A047229
Score: 13.1803
Type of gen. func.: lgdogf

$$-\frac{4 x^4 - 3 x^3 + 9 x^2 - x + 3}{(x - 1) (x^2 + 1) (2 x^2 - x + 2)}$$

Sequence: A047229
Score: 4.89888
Type of gen. func.: ogf

$$-(2 f(x) + 3)$$

$$(f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - 2 x^3 - 2 f(x) x + x^2 + f(x) - 2 x)$$

Sequence: A047229
Score: 9.19378
Type of gen. func.: ogf

$$\frac{x (2 x^2 - x + 2)}{(x^2 + 1) (x - 1)^2}$$

Sequence: A047230
Score: 10.7100
Type of gen. func.: ogf

$$\frac{2 x^{2} + x + 3}{(x + 1) (x - 1)^{2}}$$

Sequence: A047230
Score: 14.4923
Type of gen. func.: lgdogf

$$- \frac{2 (x^{3} + 2 x^{2} + 7 x + 2)}{(x - 1) (x + 1) (2 x^{2} + x + 3)}$$

Sequence: A047230
Score: 5.39924
Type of gen. func.: ogf

$$-(1068 f(x) + 8809) (f(x) x^{3} - f(x) x^{2} - f(x) x - 2 x^{2} + f(x) - x - 3)$$

Sequence: A047230
Score: 5.83310
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 3, a(1) = 4, a(2) = 9\}$$

Sequence: A047231
Score: 11.9491
Type of gen. func.: lgdogf

$$- \frac{4 x^{4} + 5 x^{3} + 15 x^{2} + 8 x + 4}{(x - 1) (x^{2} + x + 1) (2 x^{2} + x + 3)}$$

Sequence: A047231
Score: 12.6844
Type of gen. func.: ogf

$$\frac{x\,(2\,x^2 + x + 3)}{(x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A047231
Score: 4.99687
Type of gen. func.: ogf

$$\{(6\,n + 19)\,a(n + 1) + 6\,a(n + 2) + 6\,a(n + 3) + (-6\,n - 13)\,a(n + 4),\ a(0) = 0,\ a(1) = 3,\ a(2) = 4,\ a(3) = 6\}$$

Sequence: A047231
Score: 6.64906
Type of gen. func.: ogf

$$-(576\,f(x) + 1417)\,(f(x)\,x^4 - f(x)\,x^3 - 2\,x^3 - f(x)\,x - x^2 + f(x) - 3\,x)$$

Sequence: A047233
Score: 11.3929
Type of gen. func.: ogf

$$\frac{2\,x\,(x + 2)}{(x + 1)\,(x - 1)^2}$$

Sequence: A047233
Score: 19.9269
Type of gen. func.: lgdogf

$$-\frac{(x + 3)\,(2\,x + 1)}{(x - 1)\,(x + 2)\,(x + 1)}$$

Sequence: A047233
Score: 5.85041
Type of gen. func.: ogf

```
     {-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 4, a(2) = 6}
```

Sequence: A047233
Score: 9.11017
Type of gen. func.: ogf

```
                              3          2                 2
         (3 f(x) - 34) (f(x) x  - f(x) x  - f(x) x - 2 x  + f(x) - 4 x)
```

Sequence: A047234
Score: 12.6844
Type of gen. func.: ogf

```
                                x (x + 1) (2 x + 1)
                               ---------------------
                                 2                 2
                               (x  + x + 1) (x - 1)
```

Sequence: A047234
Score: 14.5010
Type of gen. func.: lgdogf

```
                                       3      2
                            (x + 2) (4 x  + 3 x  + 3 x + 2)
                      - ----------------------------------------
                                                      2
                        (x - 1) (2 x + 1) (x + 1) (x  + x + 1)
```

Sequence: A047234
Score: 4.99687
Type of gen. func.: ogf

```
{(-6 n - 17) a(n + 1) - 6 a(n + 2) - 6 a(n + 3) + (6 n + 11) a(n + 4), a(0) = 0,

    a(1) = 1, a(2) = 4, a(3) = 6}
```

Sequence: A047234
Score: 6.8707
Type of gen. func.: ogf

```
                             4         3      3                2
    (504 f(x) + 5111) (f(x) x  - f(x) x  - 2 x  - f(x) x - 3 x  + f(x) - x)
```

Sequence: A047235
Score: 16.8670
Type of gen. func.: ogf

$$\frac{2 (x^2 + x + 1)}{(x + 1) (x - 1)^2}$$

Sequence: A047235
Score: 25.2988
Type of gen. func.: lgdogf

$$- \frac{x^3 + 3 x^2 + 6 x + 2}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A047235
Score: 41.0136
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + x + 2$$

Sequence: A047235
Score: 9.1865
Type of gen. func.: ogf

$$(5 f(x) + 86) (f(x) x^3 - f(x) x^2 - f(x) x - 2 x^2 + f(x) - 2 x - 2)$$

Sequence: A047235
Score: 9.18652
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 4, a(2) = 8}

Sequence: A047236
Score: 10.9534
Type of gen. func.: lgdogf

$$-\frac{(x^2+2)(2x^3+6x^2+3x+1)}{(x-1)(x+1)(x^2+x+1)(2x^2+1)}$$

Sequence: A047236
Score: 12.0091
Type of gen. func.: ogf

$$\frac{(x+1)(2x^2+1)}{(x^2+x+1)(x-1)^2}$$

Sequence: A047236
Score: 6.68247
Type of gen. func.: ogf

{-a(n + 4) + a(n + 3) + a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 7

}

Sequence: A047236
Score: 6.68248
Type of gen. func.: ogf

$$(720 f(x) - 5581)(f(x) x^4 - f(x) x^3 - 2 x^3 - f(x) x - 2 x^2 + f(x) - x - 1)$$

Sequence: A047237
Score: 12.4400
Type of gen. func.: ogf

$$\frac{x(2x^2+1)}{(x^2+1)(x-1)^2}$$

Sequence: A047237
Score: 14.9777
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^4 + 2\,x^2 + x + 1)}{(x - 1)\,(2\,x^2 + 1)\,(x^2 + 1)}$$

Sequence: A047237
Score: 6.41749
Type of gen. func.: ogf

$$(10\,f(x) + 9)\,(f(x)\,x^4 - 2\,f(x)\,x^3 + 2\,f(x)\,x^2 - 2\,x^3 - 2\,f(x)\,x + f(x) - x)$$

Sequence: A047238
Score: 12.9359
Type of gen. func.: ogf

$$\frac{2\,x\,(2\,x + 1)}{(x + 1)\,(x - 1)^2}$$

Sequence: A047238
Score: 19.0809
Type of gen. func.: lgdogf

$$-\frac{4\,x^2 + 5\,x + 3}{(x - 1)\,(2\,x + 1)\,(x + 1)}$$

Sequence: A047238
Score: 6.64278
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n),\ a(0) = 0,\ a(1) = 2,\ a(2) = 6\}$$

Sequence: A047238
Score: 8.6747
Type of gen. func.: ogf

$$f(x)\,x^3 - f(x)\,x^2 - f(x)\,x - 4\,x^2 + f(x) - 2\,x$$

Sequence: A047239
Score: 10.8931
Type of gen. func.: ogf

$$\frac{4 x^2 + x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A047239
Score: 14.1033
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^3 + 3 x^2 + 6 x + 1)}{(x - 1) (x + 1) (4 x^2 + x + 1)}$$

Sequence: A047239
Score: 5.63117
Type of gen. func.: ogf

$$-(76 f(x) + 573) (f(x) x^3 - f(x) x^2 - f(x) x - 4 x^2 + f(x) - x - 1)$$

Sequence: A047239
Score: 5.93285
Type of gen. func.: ogf

$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 2, a(2) = 7\}$

Sequence: A047240
Score: 12.5569
Type of gen. func.: ogf

$$\frac{x (4 x^2 + x + 1)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047240

Score: 14.6139
Type of gen. func.: lgdogf

$$-\frac{8x^4 + 7x^3 + 9x^2 + 10x + 2}{(x-1)(x^2+x+1)(4x^2+x+1)}$$

Sequence: A047240
Score: 5.00734
Type of gen. func.: ogf

{(2 n + 5) a(n + 1) + 2 a(n + 2) + 2 a(n + 3) + (-2 n - 3) a(n + 4), a(0) = 0,

a(1) = 1, a(2) = 2, a(3) = 6}

Sequence: A047240
Score: 6.91693
Type of gen. func.: ogf

$$(48 f(x) + 325) (f(x) x^4 - f(x) x^3 - 4 x^3 - f(x) x - x^2 + f(x) - x)$$

Sequence: A047241
Score: 14.4111
Type of gen. func.: ogf

$$\frac{3x^2 + 2x + 1}{(x+1)(x-1)^2}$$

Sequence: A047241
Score: 18.3202
Type of gen. func.: lgdogf

$$-\frac{(3x+1)(x^2+2x+3)}{(x-1)(x+1)(3x^2+2x+1)}$$

Sequence: A047241
Score: 7.77947

Type of gen. func.: ogf

$$(6 f(x) - 215) (f(x) x^3 - f(x) x^2 - f(x) x - 3 x^2 + f(x) - 2 x - 1)$$

Sequence: A047241
Score: 7.84892
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 3, a(2) = 7\}$$

Sequence: A047242
Score: 12.5569
Type of gen. func.: ogf

$$\frac{x (3 x^2 + 2 x + 1)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047242
Score: 14.8846
Type of gen. func.: lgdogf

$$- \frac{3 (2 x + 1) (x + 1) (x^2 + 1)}{(x - 1) (x^2 + x + 1) (3 x^2 + 2 x + 1)}$$

Sequence: A047242
Score: 5.00734
Type of gen. func.: ogf

$$\{(-3 n - 8) a(n + 1) - 3 a(n + 2) - 3 a(n + 3) + (3 n + 5) a(n + 4), a(0) = 0,$$
$$a(1) = 1, a(2) = 3, a(3) = 6\}$$

Sequence: A047242
Score: 6.63575
Type of gen. func.: ogf

$$-(207 f(x) - 961) (f(x) x^4 - f(x) x^3 - 3 x^3 - f(x) x - 2 x^2 + f(x) - x)$$

Sequence: A047243
Score: 14.4111
Type of gen. func.: ogf

$$\frac{3 x^{2} + x + 2}{(x + 1) (x - 1)^{2}}$$

Sequence: A047243
Score: 19.1682
Type of gen. func.: lgdogf

$$- \frac{3 x^{3} + 5 x^{2} + 13 x + 3}{(x - 1) (x + 1) (3 x^{2} + x + 2)}$$

Sequence: A047243
Score: 7.57827
Type of gen. func.: ogf

$$(876 f(x) + 6647) (f(x) x^{3} - f(x) x^{2} - f(x) x - 3 x^{2} + f(x) - x - 2)$$

Sequence: A047243
Score: 7.84892
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 3, a(2) = 8\}$$

Sequence: A047244
Score: 12.5569
Type of gen. func.: ogf

$$\frac{x (3 x^{2} + x + 2)}{(x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A047244
Score: 14.3530
Type of gen. func.: lgdogf

$$-\frac{3\,(2\,x^{4}+2\,x^{3}+4\,x^{2}+3\,x+1)}{(x-1)\,(x^{2}+x+1)\,(3\,x^{2}+x+2)}$$

Sequence: A047244
Score: 4.94665
Type of gen. func.: ogf

$$\{(6\,n+17)\,a(n+1)+6\,a(n+2)+6\,a(n+3)+(-6\,n-11)\,a(n+4),\ a(0)=0,\ a(1)=2,\ a(2)=3,\ a(3)=6\}$$

Sequence: A047244
Score: 6.52958
Type of gen. func.: ogf

$$-(1800\,f(x)+4079)\,(f(x)\,x^{4}-f(x)\,x^{3}-3\,x^{3}-f(x)\,x-x^{2}+f(x)-2\,x)$$

Sequence: A047245
Score: 11.8890
Type of gen. func.: ogf

$$\frac{3\,x^{3}+x^{2}+x+1}{(x^{2}+x+1)\,(x-1)^{2}}$$

Sequence: A047245
Score: 12.3656
Type of gen. func.: lgdogf

$$-\frac{3\,x^{5}+5\,x^{4}+7\,x^{3}+15\,x^{2}+4\,x+2}{(x-1)\,(x^{2}+x+1)\,(3\,x^{3}+x^{2}+x+1)}$$

Sequence: A047245
Score: 5.00207
Type of gen. func.: ogf

$$\{(n + 3) a(n + 1) + a(n + 2) + a(n + 3) + (-n - 2) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 7\}$$

Sequence: A047245
Score: 6.89362
Type of gen. func.: ogf

$$(f(x) + 7) (f(x) x^4 - f(x) x^3 - 3 x^3 - f(x) x - x^2 + f(x) - x - 1)$$

Sequence: A047246
Score: 11.2317
Type of gen. func.: ogf

$$\frac{x (3 x^3 + x^2 + x + 1)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047246
Score: 8.61808
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^6 + 3 x^5 + 4 x^4 + 5 x^3 + 6 x^2 + 2 x + 1)}{(x - 1) (x + 1) (x^2 + 1) (3 x^3 + x^2 + x + 1)}$$

Sequence: A047247
Score: 10.6102
Type of gen. func.: ogf

$$\frac{x^4 + x^3 + x^2 + x + 2}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047247
Score: 8.00100
Type of gen. func.: lgdogf

$$-\frac{x^7+3x^6+5x^5+7x^4+17x^3+7x^2+5x+3}{(x-1)(x+1)(x^2+1)(x^4+x^3+x^2+x+2)}$$

Sequence: A047248
Score: 7.04273
Type of gen. func.: lgdogf

$$-\frac{2x^8+4x^7+6x^6+8x^5+16x^4+9x^3+7x^2+5x+3}{(x-1)(x^4+x^3+x^2+x+1)(x^4+x^3+x^2+x+2)}$$

Sequence: A047248
Score: 8.23584
Type of gen. func.: ogf

$$\frac{x(x^4+x^3+x^2+x+2)}{(x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A047249
Score: 10.9052
Type of gen. func.: lgdogf

$$-\frac{x^5+3x^4+5x^3+17x^2+6x+4}{(x-1)(x^2+x+1)(x^3+x^2+x+3)}$$

Sequence: A047249
Score: 11.8431
Type of gen. func.: ogf

$$\frac{x^3+x^2+x+3}{(x^2+x+1)(x-1)^2}$$

Sequence: A047249
Score: 4.98276
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 1) - a(n + 2) - a(n + 3) + (n + 3) a(n + 4), a(0) = 3, a(1) = 4, a(2) = 5, a(3) = 9\}$$

Sequence: A047249
Score: 6.4855
Type of gen. func.: ogf

$$-(21 f(x) + 193) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - x^2 + f(x) - x - 3)$$

Sequence: A047250
Score: 10.4529
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 + 2 x^2 + 1) (x^3 + 3 x + 2)}{(x - 1) (x + 1) (x^2 + 1) (x^3 + x^2 + x + 3)}$$

Sequence: A047250
Score: 11.1341
Type of gen. func.: ogf

$$\frac{x (x^3 + x^2 + x + 3)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047251
Score: 11.8403
Type of gen. func.: ogf

$$\frac{x^3 + x + 1}{(x^2 + 1) (x - 1)^2}$$

Sequence: A047251
Score: 12.9616
Type of gen. func.: lgdogf

```
                           5    4      3      2
                          x  + x  + 2 x  + 6 x  - x + 3
                        - -----------------------------
                                    2        3
                          (x - 1) (x  + 1) (x  + x + 1)
```

Sequence: A047251
Score: 6.05172
Type of gen. func.: ogf

```
-(12 f(x) - 89)

               4            3            2     3
    (f(x) x  - 2 f(x) x  + 2 f(x) x  - x  - 2 f(x) x + f(x) - x - 1)
```

Sequence: A047252
Score: 7.11928
Type of gen. func.: lgdogf

```
               8      7      6       5       4      3      2
            2 x  + 4 x  + 6 x  + 13 x  + 11 x  + 9 x  + 7 x  + 5 x + 3
          - ----------------------------------------------------------
                                 3            4    3    2
               (x - 1) (x + 1) (x  + x + 1) (x  + x  + x  + x + 1)
```

Sequence: A047252
Score: 8.23584
Type of gen. func.: ogf

```
                                        3
                            x (x + 1) (x  + x + 1)
                        -------------------------------
                          4    3    2                 2
                        (x  + x  + x  + x + 1) (x - 1)
```

Sequence: A047253
Score: 10.6162
Type of gen. func.: ogf

```
                                   2            2
                       (x + 1) (x  + x + 1) (x  - x + 1)
                       ---------------------------------
                          4    3    2                 2
```

$$(x + x + x + x + 1) (x - 1)$$

Sequence: A047253
Score: 31.0147
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{5} + x^{4} + 2$$

Sequence: A047253
Score: 8.43115
Type of gen. func.: lgdogf

$$- \frac{x^{9} + 3 x^{8} + 5 x^{7} + 7 x^{6} + 9 x^{5} + 15 x^{4} + 8 x^{3} + 6 x^{2} + 4 x + 2}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A047254
Score: 12.5837
Type of gen. func.: ogf

$$\frac{(x + 2) (x^{2} + 1)}{(x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A047254
Score: 13.9603
Type of gen. func.: lgdogf

$$- \frac{x^{5} + 5 x^{4} + 6 x^{3} + 14 x^{2} + 7 x + 3}{(x + 2) (x - 1) (x^{2} + 1) (x^{2} + x + 1)}$$

Sequence: A047254
Score: 5.26226
Type of gen. func.: ogf

{(3 n + 11) a(n + 1) + 3 a(n + 2) + 3 a(n + 3) + (-3 n - 8) a(n + 4), a(0) = 2,

a(1) = 3, a(2) = 5, a(3) = 8}

Sequence: A047254
Score: 6.78338
Type of gen. func.: ogf

$$-(153 f(x) - 1951) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 2 x^2 + f(x) - x - 2)$$

Sequence: A047255
Score: 12.1635
Type of gen. func.: ogf

$$\frac{x^3 + x^2 + 1}{(x^2 + 1) (x - 1)^2}$$

Sequence: A047255
Score: 17.4188
Type of gen. func.: lgdogf

$$-\frac{x^5 + 3 x^4 - x^3 + 7 x^2 + 2}{(x - 1) (x^2 + 1) (x^3 + x^2 + 1)}$$

Sequence: A047255
Score: 4.48453
Type of gen. func.: ogf

$$\{(3 n + 10) a(n + 1) + (-3 n - 7) a(n + 2) + (3 n + 10) a(n + 3)$$

$$+ (-3 n - 7) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 5\}$$

Sequence: A047255
Score: 6.38803
Type of gen. func.: ogf

$$-(66 f(x) + 61)$$

$$(f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - x^3 - 2 f(x) x - x^2 + f(x) - 1)$$

Sequence: A047256
Score: 6.99926
Type of gen. func.: lgdogf

$$-\frac{2 x^8 + 7 x^7 + 7 x^6 + 9 x^5 + 11 x^4 + 9 x^3 + 9 x^2 + 4 x + 2}{(x - 1) (x + 1) (x^3 + x^2 + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A047256
Score: 8.18593
Type of gen. func.: ogf

$$\frac{x (x + 1) (x^3 + x^2 + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047257
Score: 10.8382
Type of gen. func.: ogf

$$\frac{x^2 + x + 4}{(x + 1) (x - 1)^2}$$

Sequence: A047257
Score: 15.7435
Type of gen. func.: lgdogf

$$-\frac{x^3 + 3 x^2 + 15 x + 5}{(x - 1) (x + 1) (x^2 + x + 4)}$$

Sequence: A047257
Score: 5.7994
Type of gen. func.: ogf

$$(28 f(x) + 263) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - x - 4)$$

Sequence: A047257
Score: 5.85072
Type of gen. func.: ogf

$$\{a(n+3) - a(n+2) - a(n+1) + a(n), a(0) = 4, a(1) = 5, a(2) = 10\}$$

Sequence: A047258
Score: 12.5084
Type of gen. func.: ogf

$$\frac{x (x^2 + x + 4)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047258
Score: 12.5513
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 4 x^3 + 18 x^2 + 7 x + 5}{(x - 1) (x^2 + x + 1) (x^2 + x + 4)}$$

Sequence: A047258
Score: 4.98801
Type of gen. func.: ogf

$$\{(-2 n - 7) a(n+1) - 2 a(n+2) - 2 a(n+3) + (2 n + 5) a(n+4), a(0) = 0,$$
$$a(1) = 4, a(2) = 5, a(3) = 6\}$$

Sequence: A047258
Score: 6.89022
Type of gen. func.: ogf

$$(24 f(x) + 307) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - x^2 + f(x) - 4 x)$$

Sequence: A047259

Score: 10.7293
Type of gen. func.: lgdogf

$$-\frac{(x+1)(x^4+2x^3+9x^2+2x+4)}{(x-1)(x^2+x+1)(x^3+x^2+3x+1)}$$

Sequence: A047259
Score: 11.8431
Type of gen. func.: ogf

$$\frac{x^3+x^2+3x+1}{(x^2+x+1)(x-1)^2}$$

Sequence: A047259
Score: 4.95256
Type of gen. func.: ogf

$$\{(-3n-11)a(n+1)-3a(n+2)-3a(n+3)+(8+3n)a(n+4), a(0)=1, a(1)=4, a(2)=5, a(3)=7\}$$

Sequence: A047259
Score: 6.64368
Type of gen. func.: ogf

$$(171 f(x)+595)(f(x)x^4-f(x)x^3-x^3-f(x)x-x^2+f(x)-3x-1)$$

Sequence: A047260
Score: 11.1341
Type of gen. func.: ogf

$$\frac{x(x^3+x^2+3x+1)}{(x^2+1)(x+1)(x-1)^2}$$

Sequence: A047260
Score: 8.75786

Type of gen. func.: lgdogf

$$-\frac{2\,(x^6+2\,x^5+7\,x^4+5\,x^3+4\,x^2+3\,x+2)}{(x-1)\,(x+1)\,(x^2+1)\,(x^3+x^2+3\,x+1)}$$

Sequence: A047261
Score: 11.8431
Type of gen. func.: ogf

$$\frac{(x+1)\,(x^2+2)}{(x^2+x+1)\,(x-1)^2}$$

Sequence: A047261
Score: 13.8045
Type of gen. func.: lgdogf

$$-\frac{(x+2)\,(x^4+x^3+6\,x^2+2\,x+2)}{(x-1)\,(x+1)\,(x^2+x+1)\,(x^2+2)}$$

Sequence: A047261
Score: 4.92272
Type of gen. func.: ogf

{(-6 n - 23) a(n + 1) - 6 a(n + 2) - 6 a(n + 3) + (6 n + 17) a(n + 4), a(0) = 2,

a(1) = 4, a(2) = 5, a(3) = 8}

Sequence: A047261
Score: 6.43443
Type of gen. func.: ogf

$$-(288\,f(x)+827)\,(f(x)\,x^4-f(x)\,x^3-x^3-f(x)\,x-x^2+f(x)-2\,x-2)$$

Sequence: A047262
Score: 12.5045
Type of gen. func.: ogf

$$\frac{x (x^2 + 2)}{(x^2 + 1) (x - 1)^2}$$

Sequence: A047262
Score: 16.2020
Type of gen. func.: lgdogf

$$- \frac{2 (x^4 + 4 x^2 - x + 2)}{(x - 1) (x^2 + 2) (x^2 + 1)}$$

Sequence: A047262
Score: 6.15752
Type of gen. func.: ogf

$$-(66 f(x) + 193) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - x^3 - 2 f(x) x + f(x) - 2 x)$$

Sequence: A047263
Score: 11.0877
Type of gen. func.: ogf

$$\frac{x (x^2 + 1) (x^2 + x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047263
Score: 21.8332
Type of gen. func.: ogf_with_Euler_transform]

$$x^4 - x^3 - x^2 + x + 2$$

Sequence: A047263
Score: 9.41777
Type of gen. func.: lgdogf

$$-\frac{2x^8+4x^7+10x^6+9x^5+11x^4+9x^3+7x^2+6x+2}{(x-1)(x^2+x+1)(x^4+x^3+x^2+x+1)(x^2+1)}$$

Sequence: A047264
Score: 11.3929
Type of gen. func.: ogf

$$\frac{x(x+5)}{(x+1)(x-1)^2}$$

Sequence: A047264
Score: 19.9269
Type of gen. func.: lgdogf

$$-\frac{2(x^2+8x+3)}{(x+5)(x-1)(x+1)}$$

Sequence: A047264
Score: 5.85041
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+2)+a(n+1)-a(n),\ a(0)=0,\ a(1)=5,\ a(2)=6\}$$

Sequence: A047264
Score: 7.35413
Type of gen. func.: ogf

$$(876 f(x)+5111)(f(x)x^3-f(x)x^2-f(x)x-x^2+f(x)-5x)$$

Sequence: A047266
Score: 12.6844
Type of gen. func.: ogf

$$\frac{x(x^2+4x+1)}{(x^2+x+1)(x-1)^2}$$

Sequence: A047266
Score: 14.7646
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 13 x^3 + 9 x^2 + 7 x + 5}{(x - 1) (x^2 + x + 1) (x^2 + 4 x + 1)}$$

Sequence: A047266
Score: 5.05818
Type of gen. func.: ogf

{(-n - 3) a(n + 1) - a(n + 2) - a(n + 3) + (n + 2) a(n + 4), a(0) = 0, a(1) = 1,

a(2) = 5, a(3) = 6}

Sequence: A047266
Score: 6.75806
Type of gen. func.: ogf

$$-(27 f(x) + 115) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 4 x^2 + f(x) - x)$$

Sequence: A047267
Score: 11.7358
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 10 x^3 + 12 x^2 + 7 x + 5}{(x - 1) (x + 2) (x + 1) (x^2 + x + 1)}$$

Sequence: A047267
Score: 12.6844
Type of gen. func.: ogf

$$\frac{x (x + 2) (x + 1)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047267
Score: 4.99687
Type of gen. func.: ogf

$$\{(6 n + 19) a(n + 1) + 6 a(n + 2) + 6 a(n + 3) + (-6 n - 13) a(n + 4), a(0) = 0, a(1) = 2, a(2) = 5, a(3) = 6\}$$

Sequence: A047267
Score: 6.81392
Type of gen. func.: ogf

$$(1872 f(x) + 4201) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 3 x^2 + f(x) - 2 x)$$

Sequence: A047268
Score: 10.4318
Type of gen. func.: lgdogf

$$- \frac{x^5 + 7 x^4 + 7 x^3 + 11 x^2 + 8 x + 2}{(x - 1) (x^2 + x + 1) (x^3 + 3 x^2 + x + 1)}$$

Sequence: A047268
Score: 12.0091
Type of gen. func.: ogf

$$\frac{x^3 + 3 x^2 + x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047268
Score: 5.02198
Type of gen. func.: ogf

$$\{(-3 n - 10) a(n + 1) - 3 a(n + 2) - 3 a(n + 3) + (7 + 3 n) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 7\}$$

Sequence: A047268
Score: 6.68248
Type of gen. func.: ogf

$$(153 f(x) + 1433) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 3 x^2 + f(x) - x - 1)$$

Sequence: A047269
Score: 11.0767
Type of gen. func.: ogf

$$\frac{x (x^3 + 3 x^2 + x + 1)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047269
Score: 8.90564
Type of gen. func.: lgdogf

$$- \frac{2 (x^6 + 5 x^5 + 4 x^4 + 5 x^3 + 4 x^2 + 4 x + 1)}{(x - 1) (x + 1) (x^2 + 1) (x^3 + 3 x^2 + x + 1)}$$

Sequence: A047270
Score: 10.7100
Type of gen. func.: ogf

$$\frac{x^2 + 2 x + 3}{(x + 1) (x - 1)^2}$$

Sequence: A047270
Score: 14.8293
Type of gen. func.: lgdogf

$$- \frac{x^3 + 5 x^2 + 13 x + 5}{(x - 1) (x + 1) (x^2 + 2 x + 3)}$$

Sequence: A047270
Score: 5.58383
Type of gen. func.: ogf

$$-(6 f(x) + 385) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - 2 x - 3)$$

Sequence: A047270
Score: 5.83310
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 3, a(1) = 5, a(2) = 9\}$$

Sequence: A047271
Score: 11.9491
Type of gen. func.: lgdogf

$$- \frac{2 x^4 + 7 x^3 + 15 x^2 + 7 x + 5}{(x - 1) (x^2 + x + 1) (x^2 + 2 x + 3)}$$

Sequence: A047271
Score: 12.6844
Type of gen. func.: ogf

$$\frac{x (x^2 + 2 x + 3)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047271
Score: 5.02734
Type of gen. func.: ogf

$$\{(-3 n - 10) a(n + 1) - 3 a(n + 2) - 3 a(n + 3) + (7 + 3 n) a(n + 4), a(0) = 0,$$
$$a(1) = 3, a(2) = 5, a(3) = 6\}$$

Sequence: A047271
Score: 6.92844
Type of gen. func.: ogf

$$(171 f(x) - 287) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 2 x^2 + f(x) - 3 x)$$

Sequence: A047273
Score: 12.1053
Type of gen. func.: ogf

$$\frac{x (x^2 + x + 1)}{(x^2 + 1) (x - 1)^2}$$

Sequence: A047273
Score: 18.1446
Type of gen. func.: lgdogf

$$- \frac{2 x^4 + 3 x^3 + 3 x^2 + x + 3}{(x - 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A047273
Score: 26.6877
Type of gen. func.: ogf_with_Euler_transform]

$$x^3 - x^2 - x + 3$$

Sequence: A047273
Score: 4.53173
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 1) + (n + 2) a(n + 2) + (-n - 3) a(n + 3) + (n + 2) a(n + 4),$$

$$a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 5\}$$

Sequence: A047273
Score: 6.64426
Type of gen. func.: ogf

$$(f(x) - 5) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - x^3 - 2 f(x) x - x^2 + f(x) - x)$$

Sequence: A047274
Score: 11.5302
Type of gen. func.: ogf

$$\frac{x\,(6\,x+1)}{(x+1)\,(x-1)^2}$$

Sequence: A047274
Score: 18.4424
Type of gen. func.: lgdogf

$$-\frac{12\,x^2+9\,x+7}{(x-1)\,(6\,x+1)\,(x+1)}$$

Sequence: A047274
Score: 5.86803
Type of gen. func.: ogf

$$(553\,f(x)+5002)\,(f(x)\,x^3-f(x)\,x^2-f(x)\,x-6\,x^2+f(x)-x)$$

Sequence: A047274
Score: 5.92089
Type of gen. func.: ogf

$$\{a(n+3)-a(n+2)-a(n+1)+a(n),\ a(0)=0,\ a(1)=1,\ a(2)=7\}$$

Sequence: A047275
Score: 11.9109
Type of gen. func.: lgdogf

$$-\frac{2\,(x^4+8\,x^3+5\,x^2+4\,x+3)}{(x-1)\,(x^2+x+1)\,(x^2+5\,x+1)}$$

Sequence: A047275

Score: 12.4591
Type of gen. func.: ogf

$$\frac{x (x^2 + 5 x + 1)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047275
Score: 4.96835
Type of gen. func.: ogf

{(-n - 3) a(n + 1) - a(n + 2) - a(n + 3) + (n + 2) a(n + 4), a(0) = 0, a(1) = 1,

a(2) = 6, a(3) = 7}

Sequence: A047275
Score: 6.63805
Type of gen. func.: ogf

$$-(43 f(x) + 233) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 5 x^2 + f(x) - x)$$

Sequence: A047276
Score: 13.9037
Type of gen. func.: ogf

$$\frac{x^2 + 4 x + 2}{(x + 1) (x - 1)^2}$$

Sequence: A047276
Score: 19.3446
Type of gen. func.: lgdogf

$$- \frac{x^3 + 9 x^2 + 12 x + 6}{(x - 1) (x + 1) (x^2 + 4 x + 2)}$$

Sequence: A047276
Score: 7.57257

Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 6, a(2) = 9\}$$

Sequence: A047276
Score: 7.64079
Type of gen. func.: ogf

$$(7 f(x) - 5) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - 4 x - 2)$$

Sequence: A047277
Score: 11.7665
Type of gen. func.: lgdogf

$$-\frac{(x + 1) (2 x^3 + 11 x^2 + 2 x + 6)}{(x - 1) (x^2 + x + 1) (x^2 + 4 x + 2)}$$

Sequence: A047277
Score: 12.5223
Type of gen. func.: ogf

$$\frac{x (x^2 + 4 x + 2)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047277
Score: 4.93304
Type of gen. func.: ogf

$$\{(-7 n - 22) a(n + 1) - 7 a(n + 2) - 7 a(n + 3) + (7 n + 15) a(n + 4), a(0) = 0, a(1) = 2, a(2) = 6, a(3) = 7\}$$

Sequence: A047277
Score: 6.83994
Type of gen. func.: ogf

$$(217 f(x) + 753) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 4 x^2 + f(x) - 2 x)$$

Sequence: A047278
Score: 10.1118
Type of gen. func.: lgdogf

$$-\frac{x^5+9x^4+8x^3+12x^2+10x+2}{(x-1)(x^2+x+1)(x^3+4x^2+x+1)}$$

Sequence: A047278
Score: 11.8560
Type of gen. func.: ogf

$$\frac{x^3+4x^2+x+1}{(x^2+x+1)(x-1)^2}$$

Sequence: A047278
Score: 4.92809
Type of gen. func.: ogf

{(7 n + 23) a(n + 1) + 7 a(n + 2) + 7 a(n + 3) + (-7 n - 16) a(n + 4), a(0) = 1,

a(1) = 2, a(2) = 6, a(3) = 8}

Sequence: A047278
Score: 6.8172
Type of gen. func.: ogf

$$(7 f(x) + 45) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 4 x^2 + f(x) - x - 1)$$

Sequence: A047279
Score: 11.2651
Type of gen. func.: ogf

$$\frac{x(x^3+4x^2+x+1)}{(x^2+1)(x+1)(x-1)^2}$$

Sequence: A047279
Score: 8.55866
Type of gen. func.: lgdogf

$$-\frac{2x^6+13x^5+9x^4+11x^3+9x^2+10x+2}{(x-1)(x+1)(x^3+4x^2+x+1)(x^2+1)}$$

Sequence: A047280
Score: 13.6457
Type of gen. func.: ogf

$$\frac{x^2+3x+3}{(x+1)(x-1)^2}$$

Sequence: A047280
Score: 19.4321
Type of gen. func.: lgdogf

$$-\frac{(x+3)(x^2+4x+2)}{(x-1)(x+1)(x^2+3x+3)}$$

Sequence: A047280
Score: 6.99488
Type of gen. func.: ogf

$$-(119 f(x)-445)(f(x) x^3-f(x) x^2-f(x) x-x^2+f(x)-3x-3)$$

Sequence: A047280
Score: 7.36628
Type of gen. func.: ogf

$$\{a(n+3)-a(n+2)-a(n+1)+a(n),\ a(0)=3,\ a(1)=6,\ a(2)=10\}$$

Sequence: A047281
Score: 12.0579
Type of gen. func.: lgdogf

$$-\frac{2 (x^4 + 5 x^3 + 8 x^2 + 4 x + 3)}{(x - 1) (x^2 + x + 1) (x^2 + 3 x + 3)}$$

Sequence: A047281
Score: 12.5856
Type of gen. func.: ogf

$$\frac{x (x^2 + 3 x + 3)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047281
Score: 4.95796
Type of gen. func.: ogf

{(7 n + 23) a(n + 1) + 7 a(n + 2) + 7 a(n + 3) + (-7 n - 16) a(n + 4), a(0) = 0,

a(1) = 3, a(2) = 6, a(3) = 7}

Sequence: A047281
Score: 6.87449
Type of gen. func.: ogf

$$(182 f(x) + 995) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 3 x^2 + f(x) - 3 x)$$

Sequence: A047282
Score: 11.9156
Type of gen. func.: ogf

$$\frac{x^3 + 3 x^2 + 2 x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047282
Score: 4.95286
Type of gen. func.: ogf

$$\{(7 n + 24) a(n + 1) + 7 a(n + 2) + 7 a(n + 3) + (-7 n - 17) a(n + 4), a(0) = 1, a(1) = 3, a(2) = 6, a(3) = 8\}$$

Sequence: A047282
Score: 6.47382
Type of gen. func.: ogf

$$-(224 f(x) + 279) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 3 x^2 + f(x) - 2 x - 1)$$

Sequence: A047282
Score: 9.86557
Type of gen. func.: lgdogf

$$- \frac{x^5 + 7 x^4 + 10 x^3 + 12 x^2 + 9 x + 3}{(x - 1) (x^2 + x + 1) (x^3 + 3 x^2 + 2 x + 1)}$$

Sequence: A047283
Score: 11.0524
Type of gen. func.: ogf

$$\frac{x (x^3 + 3 x^2 + 2 x + 1)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047283
Score: 8.20356
Type of gen. func.: lgdogf

$$- \frac{2 x^6 + 10 x^5 + 12 x^4 + 11 x^3 + 9 x^2 + 9 x + 3}{(x - 1) (x + 1) (x^2 + 1) (x^3 + 3 x^2 + 2 x + 1)}$$

Sequence: A047284

Score: 10.3984
Type of gen. func.: lgdogf

$$-\frac{x^5+7x^4+7x^3+15x^2+9x+3}{(x-1)(x^2+x+1)(x^3+3x^2+x+2)}$$

Sequence: A047284
Score: 11.9751
Type of gen. func.: ogf

$$\frac{x^3+3x^2+x+2}{(x^2+x+1)(x-1)^2}$$

Sequence: A047284
Score: 4.97762
Type of gen. func.: ogf

$$\{(7n+25)a(n+1)+7a(n+2)+7a(n+3)+(-7n-18)a(n+4),\ a(0)=2,\ a(1)=3,\ a(2)=6,\ a(3)=9\}$$

Sequence: A047284
Score: 6.45536
Type of gen. func.: ogf

$$-(133f(x)-1697)(f(x)x^4-f(x)x^3-x^3-f(x)x-3x^2+f(x)-x-2)$$

Sequence: A047285
Score: 11.1093
Type of gen. func.: ogf

$$\frac{x(x^3+3x^2+x+2)}{(x^2+1)(x+1)(x-1)^2}$$

Sequence: A047285
Score: 8.52739

Type of gen. func.: lgdogf

$$-\frac{2 x^{6} + 10 x^{5} + 8 x^{4} + 15 x^{3} + 9 x^{2} + 9 x + 3}{(x - 1) (x + 1) (x^{2} + 1) (x^{3} + 3 x^{2} + x + 2)}$$

Sequence: A047286
Score: 10.5862
Type of gen. func.: ogf

$$\frac{x^{4} + 3 x^{3} + x^{2} + x + 1}{(x^{2} + 1) (x + 1) (x - 1)^{2}}$$

Sequence: A047286
Score: 7.71525
Type of gen. func.: lgdogf

$$-\frac{x^{7} + 7 x^{6} + 7 x^{5} + 9 x^{4} + 14 x^{3} + 12 x^{2} + 4 x + 2}{(x - 1) (x + 1) (x^{2} + 1) (x^{4} + 3 x^{3} + x^{2} + x + 1)}$$

Sequence: A047287
Score: 6.96781
Type of gen. func.: lgdogf

$$-\frac{2 (x^{8} + 5 x^{7} + 4 x^{6} + 5 x^{5} + 6 x^{4} + 5 x^{3} + 6 x^{2} + 2 x + 1)}{(x - 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} + 3 x^{3} + x^{2} + x + 1)}$$

Sequence: A047287
Score: 8.23584
Type of gen. func.: ogf

$$\frac{x (x^{4} + 3 x^{3} + x^{2} + x + 1)}{(x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A047288
Score: 10.7823
Type of gen. func.: ogf

$$\frac{x^2 + 2x + 4}{(x+1)(x-1)^2}$$

Sequence: A047288
Score: 14.9337
Type of gen. func.: lgdogf

$$-\frac{x^3 + 5x^2 + 16x + 6}{(x-1)(x+1)(x^2 + 2x + 4)}$$

Sequence: A047288
Score: 5.43568
Type of gen. func.: ogf

$$-(581 f(x) + 11049) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - 2 x - 4)$$

Sequence: A047288
Score: 5.82051
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 4, a(1) = 6, a(2) = 11\}$$

Sequence: A047289
Score: 12.5856
Type of gen. func.: ogf

$$\frac{x (x^2 + 2x + 4)}{(x^2 + x + 1)(x-1)^2}$$

Sequence: A047289

Score: 14.6496
Type of gen. func.: lgdogf

$$-\frac{2x^4+7x^3+19x^2+8x+6}{(x-1)(x^2+x+1)(x^2+2x+4)}$$

Sequence: A047289
Score: 4.95796
Type of gen. func.: ogf

$$\{(-7n-24)a(n+1)-7a(n+2)-7a(n+3)+(7n+17)a(n+4),\ a(0)=0,\ a(1)=4,\ a(2)=6,\ a(3)=7\}$$

Sequence: A047289
Score: 6.76086
Type of gen. func.: ogf

$$-(10f(x)+33)(f(x)x^4-f(x)x^3-x^3-f(x)x-2x^2+f(x)-4x)$$

Sequence: A047290
Score: 10.1739
Type of gen. func.: lgdogf

$$-\frac{(x+1)(x^4+4x^3+8x^2+4x+4)}{(x-1)(x^2+x+1)(x^3+2x^2+3x+1)}$$

Sequence: A047290
Score: 11.9156
Type of gen. func.: ogf

$$\frac{x^3+2x^2+3x+1}{(x^2+x+1)(x-1)^2}$$

Sequence: A047290
Score: 4.95286

Type of gen. func.: ogf

$$\{(-7 n - 25) a(n + 1) - 7 a(n + 2) - 7 a(n + 3) + (7 n + 18) a(n + 4), a(0) = 1, a(1) = 4, a(2) = 6, a(3) = 8\}$$

Sequence: A047290
Score: 6.68435
Type of gen. func.: ogf

$$-(7 f(x) + 5) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 2 x^2 + f(x) - 3 x - 1)$$

Sequence: A047291
Score: 11.0524
Type of gen. func.: ogf

$$\frac{x (x^3 + 2 x^2 + 3 x + 1)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047291
Score: 8.30874
Type of gen. func.: lgdogf

$$-\frac{2 x^6 + 7 x^5 + 15 x^4 + 11 x^3 + 9 x^2 + 8 x + 4}{(x - 1) (x + 1) (x^2 + 1) (x^3 + 2 x^2 + 3 x + 1)}$$

Sequence: A047292
Score: 12.2618
Type of gen. func.: ogf

$$\frac{x^3 + 2 x^2 + 2 x + 2}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047292
Score: 12.7624
Type of gen. func.: lgdogf

$$-\frac{x^5 + 5 x^4 + 9 x^3 + 15 x^2 + 8 x + 4}{(x - 1) (x^2 + x + 1) (x^3 + 2 x^2 + 2 x + 2)}$$

Sequence: A047292
Score: 5.09676
Type of gen. func.: ogf

$$\{(7 n + 26) a(n + 1) + 7 a(n + 2) + 7 a(n + 3) + (-7 n - 19) a(n + 4), a(0) = 2, a(1) = 4, a(2) = 6, a(3) = 9\}$$

Sequence: A047292
Score: 6.71478
Type of gen. func.: ogf

$$-(21 f(x) + 373) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 2 x^2 + f(x) - 2 x - 2)$$

Sequence: A047293
Score: 11.1093
Type of gen. func.: ogf

$$\frac{x (x^3 + 2 x^2 + 2 x + 2)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047293
Score: 8.75786
Type of gen. func.: lgdogf

$$-\frac{(x^2 + x + 2) (2 x^4 + 5 x^3 + 2 x^2 + 3 x + 2)}{(x - 1) (x + 1) (x^2 + 1) (x^3 + 2 x^2 + 2 x + 2)}$$

Sequence: A047294
Score: 10.5862
Type of gen. func.: ogf

$$\frac{x^4 + 2 x^3 + 2 x^2 + x + 1}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047294
Score: 7.53583
Type of gen. func.: lgdogf

$$-\frac{x^7 + 5 x^6 + 9 x^5 + 9 x^4 + 14 x^3 + 10 x^2 + 6 x + 2}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 2 x^3 + 2 x^2 + x + 1)}$$

Sequence: A047295
Score: 6.48489
Type of gen. func.: lgdogf

$$-\frac{2 x^8 + 7 x^7 + 11 x^6 + 10 x^5 + 12 x^4 + 10 x^3 + 10 x^2 + 6 x + 2}{(x - 1) (x^4 + 2 x^3 + 2 x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A047295
Score: 8.23584
Type of gen. func.: ogf

$$\frac{x (x^4 + 2 x^3 + 2 x^2 + x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047296
Score: 10.1603
Type of gen. func.: lgdogf

$$-\frac{x^5 + 5 x^4 + 6 x^3 + 18 x^2 + 8 x + 4}{(x - 1) (x^2 + x + 1) (x^3 + 2 x^2 + x + 3)}$$

Sequence: A047296
Score: 12.0347
Type of gen. func.: ogf

$$\frac{x^3 + 2 x^2 + x + 3}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047296
Score: 4.97243
Type of gen. func.: ogf

{(7 n + 27) a(n + 1) + 7 a(n + 2) + 7 a(n + 3) + (-7 n - 20) a(n + 4), a(0) = 3,

a(1) = 4, a(2) = 6, a(3) = 10}

Sequence: A047296
Score: 6.64317
Type of gen. func.: ogf

$$-(7 f(x) + 335) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 2 x^2 + f(x) - x - 3)$$

Sequence: A047297
Score: 11.1663
Type of gen. func.: ogf

$$\frac{x (x^3 + 2 x^2 + x + 3)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047297
Score: 8.69476
Type of gen. func.: lgdogf

$$- \frac{2 x^6 + 7 x^5 + 7 x^4 + 19 x^3 + 9 x^2 + 8 x + 4}{(x - 1) (x + 1) (x^2 + 1) (x^3 + 2 x^2 + x + 3)}$$

Sequence: A047298

Score: 10.6402
Type of gen. func.: ogf

$$\frac{x^4 + 2x^3 + x^2 + 2x + 1}{(x^2 + 1)(x + 1)(x - 1)^2}$$

Sequence: A047298
Score: 7.49548
Type of gen. func.: lgdogf

$$-\frac{x^7 + 5x^6 + 6x^5 + 12x^4 + 14x^3 + 10x^2 + 5x + 3}{(x - 1)(x + 1)(x^2 + 1)(x^4 + 2x^3 + x^2 + 2x + 1)}$$

Sequence: A047299
Score: 6.59017
Type of gen. func.: lgdogf

$$-\frac{2x^8 + 7x^7 + 7x^6 + 14x^5 + 12x^4 + 10x^3 + 10x^2 + 5x + 3}{(x - 1)(x^4 + x^3 + x^2 + x + 1)(x^4 + 2x^3 + x^2 + 2x + 1)}$$

Sequence: A047299
Score: 8.28575
Type of gen. func.: ogf

$$\frac{x(x^4 + 2x^3 + x^2 + 2x + 1)}{(x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A047300
Score: 10.6943
Type of gen. func.: ogf

$$\frac{x^4 + 2x^3 + x^2 + x + 2}{(x^2 + 1)(x + 1)(x - 1)^2}$$

Sequence: A047300
Score: 7.76318
Type of gen. func.: lgdogf

$$-\frac{x^7+5x^6+6x^5+8x^4+18x^3+10x^2+5x+3}{(x-1)(x+1)(x^2+1)(x^4+2x^3+x^2+x+2)}$$

Sequence: A047301
Score: 6.79399
Type of gen. func.: lgdogf

$$-\frac{2x^8+7x^7+7x^6+9x^5+17x^4+10x^3+10x^2+5x+3}{(x-1)(x^4+x^3+x^2+x+1)(x^4+2x^3+x^2+x+2)}$$

Sequence: A047301
Score: 8.28575
Type of gen. func.: ogf

$$\frac{x(x^4+2x^3+x^2+x+2)}{(x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A047302
Score: 6.27635
Type of gen. func.: lgdogf

$$-\frac{x^9+5x^8+6x^7+8x^6+10x^5+16x^4+12x^3+6x^2+4x+2}{(x-1)(x^4+x^3+x^2+x+1)(x^5+2x^4+x^3+x^2+x+1)}$$

Sequence: A047302
Score: 7.94340
Type of gen. func.: ogf

$$\frac{x^5+2x^4+x^3+x^2+x+1}{}$$

$$(x^4 + x^3 + x^2 + x + 1) (x - 1)^2$$

Sequence: A047303
Score: 5.29212
Type of gen. func.: lgdogf

$$- (2 x^{10} + 7 x^9 + 7 x^8 + 9 x^7 + 11 x^6 + 13 x^5 + 11 x^4 + 12 x^3 + 6 x^2 + 4 x + 2) / ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^5 + 2 x^4 + x^3 + x^2 + x + 1))$$

Sequence: A047303
Score: 8.99127
Type of gen. func.: ogf

$$\frac{x (x^5 + 2 x^4 + x^3 + x^2 + x + 1)}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A047304
Score: 23.0417
Type of gen. func.: ogf_with_Euler_transform]

$$-x^6 + x^5 + 2$$

Sequence: A047304
Score: 5.07732
Type of gen. func.: lgdogf

$$- (x^{11} + 3 x^{10} + 5 x^9 + 7 x^8 + 9 x^7 + 11 x^6 + 18 x^5 + 10 x^4 + 8 x^3 + 6 x^2 + 4 x + 2) / ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1))$$

Sequence: A047304
Score: 7.21662
Type of gen. func.: ogf

$$\frac{x^6+x^5+x^4+x^3+x^2+x+1}{(x+1)\,(x^2+x+1)\,(x^2-x+1)\,(x-1)^2}$$

Sequence: A047305
Score: 6.41665
Type of gen. func.: lgdogf

$$-\frac{x^9+3\,x^8+5\,x^7+7\,x^6+9\,x^5+21\,x^4+9\,x^3+7\,x^2+5\,x+3}{(x-1)\,(x^4+x^3+x^2+x+1)\,(x^5+x^4+x^3+x^2+x+2)}$$

Sequence: A047305
Score: 7.81392
Type of gen. func.: ogf

$$\frac{x^5+x^4+x^3+x^2+x+2}{(x^4+x^3+x^2+x+1)\,(x-1)^2}$$

Sequence: A047306
Score: 5.45812
Type of gen. func.: lgdogf

$$-(2\,x^{10}+4\,x^9+6\,x^8+8\,x^7+10\,x^6+19\,x^5+11\,x^4+9\,x^3+7\,x^2+5\,x+3) \Big/ \left((x-1)\,(x+1)\,(x^2+x+1)\,(x^2-x+1)\,(x^5+x^4+x^3+x^2+x+2)\right)$$

Sequence: A047306
Score: 9.21253
Type of gen. func.: ogf

$$x\,(x^5+x^4+x^3+x^2+x+2)$$

```
                   ------------------------------------------
                            2            2                  2
                   (x + 1) (x  + x + 1) (x  - x + 1) (x - 1)


------------------------------------------------------------------------------

Sequence:  A047307
Score: 10.7483
Type of gen. func.: ogf

                              4    3    2
                             x  + x  + x  + x + 3
                           -------------------------
                             2                     2
                           (x  + 1) (x + 1) (x - 1)


------------------------------------------------------------------------------

Sequence:  A047307
Score: 8.10040
Type of gen. func.: lgdogf

                  7      6      5      4       3      2
                 x  + 3 x  + 5 x  + 7 x  + 22 x  + 8 x  + 6 x + 4
               - ------------------------------------------------
                                   2        4    3    2
                 (x - 1) (x + 1) (x  + 1) (x  + x  + x  + x + 3)


------------------------------------------------------------------------------

Sequence:  A047308
Score: 6.96862
Type of gen. func.: lgdogf

               8      7      6      5       4      3      2
           2 (x  + 2 x  + 3 x  + 4 x  + 11 x  + 5 x  + 4 x  + 3 x + 2)
         - -----------------------------------------------------------
                        4    3    2            4    3    2
              (x - 1) (x  + x  + x  + x + 1) (x  + x  + x  + x + 3)


------------------------------------------------------------------------------

Sequence:  A047308
Score: 8.15009
Type of gen. func.: ogf

                               4    3    2
                           x (x  + x  + x  + x + 3)
                        -------------------------------
                          4    3    2                  2
                        (x  + x  + x  + x + 1) (x - 1)


------------------------------------------------------------------------------

Sequence:  A047309
Score: 6.23155
Type of gen. func.: lgdogf
```

$$-\frac{x^9+3x^8+5x^7+7x^6+14x^5+16x^4+9x^3+7x^2+5x+3}{(x-1)(x^4+x^3+x^2+x+1)(x^5+x^4+x^3+x^2+2x+1)}$$

Sequence: A047309
Score: 7.81392
Type of gen. func.: ogf

$$\frac{x^5+x^4+x^3+x^2+2x+1}{(x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A047310
Score: 5.36864
Type of gen. func.: lgdogf

$$-(2x^{10}+4x^9+6x^8+8x^7+16x^6+13x^5+11x^4+9x^3+7x^2+5x+3) / ((x-1)(x+1)(x^2+x+1)(x^2-x+1)(x^5+x^4+x^3+x^2+2x+1))$$

Sequence: A047310
Score: 9.38722
Type of gen. func.: ogf

$$\frac{x(x^5+x^4+x^3+x^2+2x+1)}{(x+1)(x^2+x+1)(x^2-x+1)(x-1)^2}$$

Sequence: A047311
Score: 10.4935
Type of gen. func.: lgdogf

$$-\frac{x^5+3x^4+5x^3+21x^2+7x+5}{(x-1)(x^2+x+1)(x^3+x^2+x+4)}$$

Sequence: A047311
Score: 12.0347
Type of gen. func.: ogf

$$\frac{x^3 + x^2 + x + 4}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047311
Score: 4.97243
Type of gen. func.: ogf

$$\{(-7 n - 29) a(n + 1) - 7 a(n + 2) - 7 a(n + 3) + (7 n + 22) a(n + 4), a(0) = 4, a(1) = 5, a(2) = 6, a(3) = 11\}$$

Sequence: A047311
Score: 6.48747
Type of gen. func.: ogf

$$-(119 f(x) + 1299) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - x^2 + f(x) - x - 4)$$

Sequence: A047312
Score: 11.1663
Type of gen. func.: ogf

$$\frac{x (x^3 + x^2 + x + 4)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047312
Score: 8.93297
Type of gen. func.: lgdogf

$$- \frac{2 x^6 + 4 x^5 + 6 x^4 + 23 x^3 + 9 x^2 + 7 x + 5}{(x - 1) (x + 1) (x^2 + 1) (x^3 + x^2 + x + 4)}$$

Sequence: A047313
Score: 10.6402
Type of gen. func.: ogf

$$\frac{x^4 + x^3 + x^2 + 3 x + 1}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047313
Score: 9.55552
Type of gen. func.: lgdogf

$$- \frac{x^7 + 3 x^6 + 5 x^5 + 15 x^4 + 14 x^3 + 8 x^2 + 6 x + 4}{(x - 1) (x + 1) (x^2 + 1) (x^4 + x^3 + x^2 + 3 x + 1)}$$

Sequence: A047314
Score: 7.01082
Type of gen. func.: lgdogf

$$- \frac{2 (x^8 + 2 x^7 + 3 x^6 + 9 x^5 + 6 x^4 + 5 x^3 + 4 x^2 + 3 x + 2)}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (x^4 + x^3 + x^2 + 3 x + 1)}$$

Sequence: A047314
Score: 8.28575
Type of gen. func.: ogf

$$\frac{x (x^4 + x^3 + x^2 + 3 x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047315
Score: 10.6943
Type of gen. func.: ogf

$$x^4 + x^3 + x^2 + 2 x + 2$$

$$\overline{(x^2 + 1)\,(x + 1)\,(x - 1)^2}$$

Sequence: A047315
Score: 7.76318
Type of gen. func.: lgdogf

$$-\frac{x^7 + 3x^6 + 5x^5 + 11x^4 + 18x^3 + 8x^2 + 6x + 4}{(x - 1)\,(x + 1)\,(x^2 + 1)\,(x^4 + x^3 + x^2 + 2x + 2)}$$

Sequence: A047316
Score: 6.79399
Type of gen. func.: lgdogf

$$-\frac{2x^8 + 4x^7 + 6x^6 + 13x^5 + 17x^4 + 10x^3 + 8x^2 + 6x + 4}{(x - 1)\,(x^4 + x^3 + x^2 + x + 1)\,(x^4 + x^3 + x^2 + 2x + 2)}$$

Sequence: A047316
Score: 8.28575
Type of gen. func.: ogf

$$\frac{x\,(x^4 + x^3 + x^2 + 2x + 2)}{(x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A047317
Score: 6.27635
Type of gen. func.: lgdogf

$$-\frac{x^9 + 3x^8 + 5x^7 + 11x^6 + 10x^5 + 16x^4 + 9x^3 + 7x^2 + 6x + 2}{(x - 1)\,(x^4 + x^3 + x^2 + x + 1)\,(x^5 + x^4 + x^3 + 2x^2 + x + 1)}$$

Sequence: A047317
Score: 7.94340
Type of gen. func.: ogf

$$\frac{x^5 + x^4 + x^3 + 2 x^2 + x + 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047318
Score: 10.0430
Type of gen. func.: ogf

$$\frac{x (x^5 + x^4 + x^3 + 2 x^2 + x + 1)}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A047318
Score: 7.16255
Type of gen. func.: lgdogf

$$- (2 x^{10} + 4 x^9 + 6 x^8 + 13 x^7 + 11 x^6 + 13 x^5 + 11 x^4 + 9 x^3 + 7 x^2 + 6 x + 2) / ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^5 + x^4 + x^3 + 2 x^2 + x + 1))$$

Sequence: A047319
Score: 10.7823
Type of gen. func.: ogf

$$\frac{x^2 + x + 5}{(x + 1) (x - 1)^2}$$

Sequence: A047319
Score: 15.6622
Type of gen. func.: lgdogf

$$- \frac{x^3 + 3 x^2 + 18 x + 6}{(x - 1) (x + 1) (x^2 + x + 5)}$$

Sequence: A047319
Score: 5.66998
Type of gen. func.: ogf

$$(119 f(x) + 1286) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - x - 5)$$

Sequence: A047319
Score: 5.82051
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 5, a(1) = 6, a(2) = 12\}$$

Sequence: A047320
Score: 12.2854
Type of gen. func.: lgdogf

$$- \frac{2 (x^4 + 2 x^3 + 11 x^2 + 4 x + 3)}{(x - 1) (x^2 + x + 5) (x^2 + x + 1)}$$

Sequence: A047320
Score: 12.5856
Type of gen. func.: ogf

$$\frac{x (x^2 + x + 5)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047320
Score: 4.95796
Type of gen. func.: ogf

$$\{(-7 n - 25) a(n + 1) - 7 a(n + 2) - 7 a(n + 3) + (7 n + 18) a(n + 4), a(0) = 0,$$

$$a(1) = 5, a(2) = 6, a(3) = 7\}$$

Sequence: A047320
Score: 6.8172
Type of gen. func.: ogf

$$(161 f(x) + 1851) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - x^2 + f(x) - 5 x)$$

Sequence: A047321
Score: 10.1739
Type of gen. func.: lgdogf

$$- \frac{x^5 + 3 x^4 + 14 x^3 + 12 x^2 + 7 x + 5}{(x - 1) (x^2 + x + 1) (x^3 + x^2 + 4 x + 1)}$$

Sequence: A047321
Score: 11.9156
Type of gen. func.: ogf

$$\frac{x^3 + x^2 + 4 x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047321
Score: 4.95286
Type of gen. func.: ogf

$\{(7 n + 26) a(n + 1) + 7 a(n + 2) + 7 a(n + 3) + (-7 n - 19) a(n + 4), a(0) = 1,$

$a(1) = 5, a(2) = 6, a(3) = 8\}$

Sequence: A047321
Score: 6.85146
Type of gen. func.: ogf

$$(7 f(x) + 66) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - x^2 + f(x) - 4 x - 1)$$

Sequence: A047322
Score: 11.0524
Type of gen. func.: ogf

$$\frac{x (x^3 + x^2 + 4 x + 1)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047322
Score: 8.52739
Type of gen. func.: lgdogf

$$- \frac{2 x^6 + 4 x^5 + 18 x^4 + 11 x^3 + 9 x^2 + 7 x + 5}{(x - 1) (x + 1) (x^3 + x^2 + 4 x + 1) (x^2 + 1)}$$

Sequence: A047323
Score: 10.2359
Type of gen. func.: lgdogf

$$- \frac{x^5 + 3 x^4 + 11 x^3 + 15 x^2 + 7 x + 5}{(x - 1) (x^2 + x + 1) (x^3 + x^2 + 3 x + 2)}$$

Sequence: A047323
Score: 11.9751
Type of gen. func.: ogf

$$\frac{x^3 + x^2 + 3 x + 2}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047323
Score: 4.97762
Type of gen. func.: ogf

{(-7 n - 27) a(n + 1) - 7 a(n + 2) - 7 a(n + 3) + (7 n + 20) a(n + 4), a(0) = 2,

    a(1) = 5, a(2) = 6, a(3) = 9}

Sequence: A047323
Score: 6.71777

Type of gen. func.: ogf

$$(413 f(x) + 977) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - x^2 + f(x) - 3 x - 2)$$

Sequence: A047324
Score: 11.1093
Type of gen. func.: ogf

$$\frac{x (x^3 + x^2 + 3 x + 2)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047324
Score: 8.52739
Type of gen. func.: lgdogf

$$- \frac{2 x^6 + 4 x^5 + 14 x^4 + 15 x^3 + 9 x^2 + 7 x + 5}{(x - 1) (x + 1) (x^2 + 1) (x^3 + x^2 + 3 x + 2)}$$

Sequence: A047325
Score: 10.5862
Type of gen. func.: ogf

$$\frac{x^4 + x^3 + 3 x^2 + x + 1}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047325
Score: 7.71525
Type of gen. func.: lgdogf

$$- \frac{x^7 + 3 x^6 + 11 x^5 + 9 x^4 + 14 x^3 + 8 x^2 + 8 x + 2}{(x - 1) (x + 1) (x^2 + 1) (x^4 + x^3 + 3 x^2 + x + 1)}$$

Sequence: A047326

Score: 6.96781
Type of gen. func.: lgdogf

$$-\frac{2\,(x^8 + 2\,x^7 + 7\,x^6 + 5\,x^5 + 6\,x^4 + 5\,x^3 + 4\,x^2 + 4\,x + 1)}{(x - 1)\,(x^4 + x^3 + x^2 + x + 1)\,(x^4 + x^3 + 3\,x^2 + x + 1)}$$

Sequence: A047326
Score: 8.23584
Type of gen. func.: ogf

$$\frac{x\,(x^4 + x^3 + 3\,x^2 + x + 1)}{(x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A047327
Score: 10.1603
Type of gen. func.: lgdogf

$$-\frac{x^5 + 3\,x^4 + 8\,x^3 + 18\,x^2 + 7\,x + 5}{(x - 1)\,(x^2 + x + 1)\,(x^3 + x^2 + 2\,x + 3)}$$

Sequence: A047327
Score: 12.0347
Type of gen. func.: ogf

$$\frac{x^3 + x^2 + 2\,x + 3}{(x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A047327
Score: 5.03270
Type of gen. func.: ogf

$$\{(n + 4)\,a(n + 1) + a(n + 2) + a(n + 3) + (-n - 3)\,a(n + 4),\ a(0) = 3,\ a(1) = 5,\ a(2) = 6,\ a(3) = 10\}$$

Sequence: A047327
Score: 6.97812
Type of gen. func.: ogf

$$(f(x) + 6) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - x^2 + f(x) - 2 x - 3)$$

Sequence: A047328
Score: 10.5614
Type of gen. func.: lgdogf

$$- \frac{2 x^6 + 4 x^5 + 10 x^4 + 19 x^3 + 9 x^2 + 7 x + 5}{(x - 1) (x + 1) (x^2 + 1) (x^3 + x^2 + 2 x + 3)}$$

Sequence: A047328
Score: 11.1663
Type of gen. func.: ogf

$$\frac{x (x^3 + x^2 + 2 x + 3)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047329
Score: 10.6402
Type of gen. func.: ogf

$$\frac{x^4 + x^3 + 2 x^2 + 2 x + 1}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047329
Score: 7.58264
Type of gen. func.: lgdogf

$$- \frac{x^7 + 3 x^6 + 8 x^5 + 12 x^4 + 14 x^3 + 8 x^2 + 7 x + 3}{(x - 1) (x + 1) (x^2 + 1) (x^4 + x^3 + 2 x^2 + 2 x + 1)}$$

Sequence: A047330
Score: 6.86476
Type of gen. func.: lgdogf

$$-\frac{(x+1)\,(2x^7+2x^6+8x^5+6x^4+6x^3+4x^2+4x+3)}{(x-1)\,(x^4+x^3+2x^2+2x+1)\,(x^4+x^3+x^2+x+1)}$$

Sequence: A047330
Score: 8.28575
Type of gen. func.: ogf

$$\frac{x\,(x^4+x^3+2x^2+2x+1)}{(x^4+x^3+x^2+x+1)\,(x-1)^2}$$

Sequence: A047331
Score: 10.6943
Type of gen. func.: ogf

$$\frac{x^4+x^3+2x^2+x+2}{(x^2+1)\,(x+1)\,(x-1)^2}$$

Sequence: A047331
Score: 8.81225
Type of gen. func.: lgdogf

$$-\frac{(x^4+3x^3+6x^2+x+3)\,(x^3+2x+1)}{(x-1)\,(x+1)\,(x^2+1)\,(x^4+x^3+2x^2+x+2)}$$

Sequence: A047332
Score: 6.79399
Type of gen. func.: lgdogf

```
       8      7       6      5       4       3      2
    2 x  + 4 x  + 10 x  + 9 x  + 17 x  + 10 x  + 8 x  + 7 x + 3
  - -----------------------------------------------------------
                  4    3    2           4    3      2
```

$$(x - 1) (x + x + x + x + 1) (x + x + 2 x + x + 2)$$

Sequence: A047332
Score: 8.28575
Type of gen. func.: ogf

$$\frac{x (x^4 + x^3 + 2 x^2 + x + 2)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047335
Score: 11.3341
Type of gen. func.: ogf

$$\frac{x (x + 6)}{(x + 1) (x - 1)^2}$$

Sequence: A047335
Score: 19.2232
Type of gen. func.: lgdogf

$$- \frac{2 x^2 + 19 x + 7}{(x - 1) (x + 6) (x + 1)}$$

Sequence: A047335
Score: 5.47493
Type of gen. func.: ogf

$$-(1981 f(x) + 13369) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - 6 x)$$

Sequence: A047335
Score: 5.82020
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 6, a(2) = 7\}$$

Sequence: A047336
Score: 14.1624
Type of gen. func.: ogf

$$\frac{x^2 + 5 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A047336
Score: 19.2620
Type of gen. func.: lgdogf

$$- \frac{x^3 + 11 x^2 + 10 x + 6}{(x - 1) (x + 1) (x^2 + 5 x + 1)}$$

Sequence: A047336
Score: 7.44747
Type of gen. func.: ogf

$$-(f(x) + 12) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - 5 x - 1)$$

Sequence: A047336
Score: 7.71345
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 6, a(2) = 8\}$$

Sequence: A047337
Score: 6.82265
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^8 + 3 x^7 + 4 x^6 + 5 x^5 + 6 x^4 + 8 x^3 + 3 x^2 + 2 x + 1)}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (3 x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A047337
Score: 8.23584

Type of gen. func.: ogf

$$\frac{x (3 x^4 + x^3 + x^2 + x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047338
Score: 10.5862
Type of gen. func.: ogf

$$\frac{3 x^4 + x^3 + x^2 + x + 1}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047338
Score: 7.62449
Type of gen. func.: lgdogf

$$- \frac{3 x^7 + 5 x^6 + 7 x^5 + 9 x^4 + 20 x^3 + 6 x^2 + 4 x + 2}{(x - 1) (x + 1) (x^2 + 1) (3 x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A047339
Score: 10.0784
Type of gen. func.: lgdogf

$$- \frac{3 x^5 + 5 x^4 + 7 x^3 + 19 x^2 + 5 x + 3}{(x - 1) (3 x^3 + x^2 + x + 2) (x^2 + x + 1)}$$

Sequence: A047339
Score: 11.9751
Type of gen. func.: ogf

$$\frac{3 x^3 + x^2 + x + 2}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047339
Score: 4.97762
Type of gen. func.: ogf

$$\{(7 n + 23) a(n + 1) + 7 a(n + 2) + 7 a(n + 3) + (-7 n - 16) a(n + 4), a(0) = 2, a(1) = 3, a(2) = 4, a(3) = 9\}$$

Sequence: A047339
Score: 6.45536
Type of gen. func.: ogf

$$-(728 f(x) + 6031) (f(x) x^4 - f(x) x^3 - 3 x^3 - f(x) x - x^2 + f(x) - x - 2)$$

Sequence: A047340
Score: 10.7655
Type of gen. func.: lgdogf

$$-\frac{6 x^6 + 6 x^5 + 8 x^4 + 15 x^3 + 13 x^2 + 5 x + 3}{(x - 1) (x + 1) (3 x^3 + x^2 + x + 2) (x^2 + 1)}$$

Sequence: A047340
Score: 11.3795
Type of gen. func.: ogf

$$\frac{x (3 x^3 + x^2 + x + 2)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047341
Score: 10.7823
Type of gen. func.: ogf

$$\frac{3 x^2 + x + 3}{(x + 1) (x - 1)^2}$$

Sequence: A047341
Score: 14.2700
Type of gen. func.: lgdogf

$$-\frac{3x^3+5x^2+16x+4}{(x-1)(x+1)(3x^2+x+3)}$$

Sequence: A047341
Score: 5.82051
Type of gen. func.: ogf

$$(11 f(x)+95)(f(x)x^3-f(x)x^2-f(x)x-3x^2+f(x)-x-3)$$

Sequence: A047341
Score: 5.82051
Type of gen. func.: ogf

$$\{a(n+3)-a(n+2)-a(n+1)+a(n),\ a(0)=3,\ a(1)=4,\ a(2)=10\}$$

Sequence: A047342
Score: 12.5856
Type of gen. func.: ogf

$$\frac{x(3x^2+x+3)}{(x^2+x+1)(x-1)^2}$$

Sequence: A047342
Score: 14.3880
Type of gen. func.: lgdogf

$$-\frac{2(3x^4+3x^3+8x^2+5x+2)}{(x-1)(3x^2+x+3)(x^2+x+1)}$$

Sequence: A047342
Score: 5.01879

```
Type of gen. func.: ogf


{(n + 3) a(n + 1) + a(n + 2) + a(n + 3) + (-n - 2) a(n + 4), a(0) = 0, a(1) = 3,

    a(2) = 4, a(3) = 7}



--------------------------------------------------------------------------------

Sequence:  A047342
Score: 6.992
Type of gen. func.: ogf


                              4         3      3             2
      (23 f(x) + 47) (f(x) x  - f(x) x  - 3 x  - f(x) x - x  + f(x) - 3 x)



--------------------------------------------------------------------------------

Sequence:  A047343
Score: 11.9156
Type of gen. func.: ogf


                                 3    2
                              3 x  + x  + 2 x + 1
                             ---------------------
                               2                  2
                             (x  + x + 1) (x - 1)



--------------------------------------------------------------------------------

Sequence:  A047343
Score: 4.95286
Type of gen. func.: ogf


{(7 n + 22) a(n + 1) + 7 a(n + 2) + 7 a(n + 3) + (-7 n - 15) a(n + 4), a(0) = 1,

    a(1) = 3, a(2) = 4, a(3) = 8}



--------------------------------------------------------------------------------

Sequence:  A047343
Score: 6.5774
Type of gen. func.: ogf


                          4         3      3             2
   -(14 f(x) + 61) (f(x) x  - f(x) x  - 3 x  - f(x) x - x  + f(x) - 2 x - 1)



--------------------------------------------------------------------------------

Sequence:  A047343
Score: 9.57541
Type of gen. func.: lgdogf


                         5      4       3       2
                      3 x  + 5 x  + 10 x  + 16 x  + 5 x + 3
                  - -------------------------------------------
```

$$(x - 1) (x^2 + x + 1) (3 x^3 + x^2 + 2 x + 1)$$

Sequence: A047344
Score: 11.0524
Type of gen. func.: ogf

$$\frac{x (3 x^3 + x^2 + 2 x + 1)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047344
Score: 8.20356
Type of gen. func.: lgdogf

$$- \frac{6 x^6 + 6 x^5 + 12 x^4 + 11 x^3 + 13 x^2 + 5 x + 3}{(x - 1) (x + 1) (x^2 + 1) (3 x^3 + x^2 + 2 x + 1)}$$

Sequence: A047345
Score: 13.7003
Type of gen. func.: ogf

$$\frac{x (3 x + 4)}{(x + 1) (x - 1)^2}$$

Sequence: A047345
Score: 21.9669
Type of gen. func.: lgdogf

$$- \frac{6 x^2 + 15 x + 7}{(x - 1) (3 x + 4) (x + 1)}$$

Sequence: A047345
Score: 7.0353
Type of gen. func.: ogf

3 2 2

$$(511 f(x) + 565) (f(x) x - f(x) x - f(x) x - 3 x + f(x) - 4 x)$$

Sequence: A047345
Score: 7.03530
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 4, a(2) = 7\}$$

Sequence: A047346
Score: 13.4972
Type of gen. func.: lgdogf

$$-\frac{3 x^3 + 9 x^2 + 12 x + 4}{(x - 1) (x + 1) (3 x^2 + 3 x + 1)}$$

Sequence: A047346
Score: 14.8171
Type of gen. func.: ogf

$$\frac{3 x^2 + 3 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A047346
Score: 7.65968
Type of gen. func.: ogf

$$-(63 f(x) - 103) (f(x) x^3 - f(x) x^2 - f(x) x - 3 x^2 + f(x) - 3 x - 1)$$

Sequence: A047346
Score: 8.07001
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 4, a(2) = 8\}$$

Sequence: A047347

Score: 12.7624
Type of gen. func.: ogf

$$\frac{x\,(3\,x^2 + 3\,x + 1)}{(x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A047347
Score: 14.0892
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^4 + 6\,x^3 + 5\,x^2 + 5\,x + 2)}{(x - 1)\,(x^2 + x + 1)\,(3\,x^2 + 3\,x + 1)}$$

Sequence: A047347
Score: 5.02759
Type of gen. func.: ogf

$$\{(-7\,n - 19)\,a(n + 1) - 7\,a(n + 2) - 7\,a(n + 3) + (7\,n + 12)\,a(n + 4),\ a(0) = 0,\ a(1) = 1,\ a(2) = 4,\ a(3) = 7\}$$

Sequence: A047347
Score: 6.91295
Type of gen. func.: ogf

$$(511\,f(x) - 3225)\,(f(x)\,x^4 - f(x)\,x^3 - 3\,x^3 - f(x)\,x - 3\,x^2 + f(x) - x)$$

Sequence: A047348
Score: 10.7185
Type of gen. func.: ogf

$$\frac{3\,x^2 + 2\,x + 2}{(x + 1)\,(x - 1)^2}$$

Sequence: A047348
Score: 13.8752

Type of gen. func.: lgdogf

$$-\frac{(3x+1)(x^2+2x+4)}{(x-1)(x+1)(3x^2+2x+2)}$$

Sequence: A047348
Score: 5.63643
Type of gen. func.: ogf

$$(329 f(x) + 6779) (f(x) x^3 - f(x) x^2 - f(x) x - 3 x^2 + f(x) - 2 x - 2)$$

Sequence: A047348
Score: 5.83773
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 4, a(2) = 9}

Sequence: A047349
Score: 12.8258
Type of gen. func.: ogf

$$\frac{x(3x^2+2x+2)}{(x^2+x+1)(x-1)^2}$$

Sequence: A047349
Score: 14.1603
Type of gen. func.: lgdogf

$$-\frac{6x^4+9x^3+13x^2+10x+4}{(x-1)(x^2+x+1)(3x^2+2x+2)}$$

Sequence: A047349
Score: 5.05261
Type of gen. func.: ogf

$\{(-7 n - 20) a(n + 1) - 7 a(n + 2) - 7 a(n + 3) + (7 n + 13) a(n + 4), a(0) = 0,$

$a(1) = 2, a(2) = 4, a(3) = 7\}$

Sequence: A047349
Score: 7.06509
Type of gen. func.: ogf

$$(77 f(x) + 955) (f(x) x^4 - f(x) x^3 - 3 x^3 - f(x) x - 2 x^2 + f(x) - 2 x)$$

Sequence: A047350
Score: 11.8560
Type of gen. func.: ogf

$$\frac{3 x^3 + 2 x^2 + x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047350
Score: 4.98819
Type of gen. func.: ogf

$\{(n + 3) a(n + 1) + a(n + 2) + a(n + 3) + (-n - 2) a(n + 4), a(0) = 1, a(1) = 2,$

$a(2) = 4, a(3) = 8\}$

Sequence: A047350
Score: 7.1136
Type of gen. func.: ogf

$$-f(x) (f(x) x^4 - f(x) x^3 - 3 x^3 - f(x) x - 2 x^2 + f(x) - x - 1)$$

Sequence: A047350
Score: 9.65906
Type of gen. func.: lgdogf

$$- \frac{3 x^5 + 7 x^4 + 8 x^3 + 16 x^2 + 6 x + 2}{(x - 1) (x^2 + x + 1) (3 x^3 + 2 x^2 + x + 1)}$$

Sequence: A047351
Score: 11.2651
Type of gen. func.: ogf

$$\frac{x\,(3\,x^3+2\,x^2+x+1)}{(x^2+1)\,(x+1)\,(x-1)^2}$$

Sequence: A047351
Score: 8.44894
Type of gen. func.: lgdogf

$$-\frac{6\,x^6+9\,x^5+9\,x^4+11\,x^3+13\,x^2+6\,x+2}{(x-1)\,(x+1)\,(x^2+1)\,(3\,x^3+2\,x^2+x+1)}$$

Sequence: A047352
Score: 11.5988
Type of gen. func.: ogf

$$\frac{x\,(2+5\,x)}{(x+1)\,(x-1)^2}$$

Sequence: A047352
Score: 18.0388
Type of gen. func.: lgdogf

$$-\frac{10\,x^2+11\,x+7}{(x-1)\,(2+5\,x)\,(x+1)}$$

Sequence: A047352
Score: 5.95614
Type of gen. func.: ogf

$$(77\,f(x)+4309)\,(f(x)\,x^3-f(x)\,x^2-f(x)\,x-5\,x^2+f(x)-2\,x)$$

Sequence: A047352
Score: 5.95614
Type of gen. func.: ogf

$$\{a(n+3) - a(n+2) - a(n+1) + a(n), a(0) = 0, a(1) = 2, a(2) = 7\}$$

Sequence: A047353
Score: 10.9023
Type of gen. func.: ogf

$$\frac{5 x^2 + x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A047353
Score: 14.4310
Type of gen. func.: lgdogf

$$- \frac{5 x^3 + 7 x^2 + 14 x + 2}{(x - 1) (x + 1) (5 x^2 + x + 1)}$$

Sequence: A047353
Score: 5.73314
Type of gen. func.: ogf

$$(182 f(x) + 1497) (f(x) x^3 - f(x) x^2 - f(x) x - 5 x^2 + f(x) - x - 1)$$

Sequence: A047353
Score: 5.93788
Type of gen. func.: ogf

$$\{a(n+3) - a(n+2) - a(n+1) + a(n), a(0) = 1, a(1) = 2, a(2) = 8\}$$

Sequence: A047354
Score: 11.4146
Type of gen. func.: lgdogf

$$-\frac{2\,(5\,x^{4} + 4\,x^{3} + 5\,x^{2} + 6\,x + 1)}{(x - 1)\,(x^{2} + x + 1)\,(5\,x^{2} + x + 1)}$$

Sequence: A047354
Score: 12.6989
Type of gen. func.: ogf

$$\frac{x\,(5\,x^{2} + x + 1)}{(x^{2} + x + 1)\,(x - 1)^{2}}$$

Sequence: A047354
Score: 5.00258
Type of gen. func.: ogf

$$\{(7\,n + 17)\,a(n + 1) + 7\,a(n + 2) + 7\,a(n + 3) + (-7\,n - 10)\,a(n + 4),\ a(0) = 0,$$
$$a(1) = 1,\ a(2) = 2,\ a(3) = 7\}$$

Sequence: A047354
Score: 6.99514
Type of gen. func.: ogf

$$(84\,f(x) + 641)\,(f(x)\,x^{4} - f(x)\,x^{3} - 5\,x^{3} - f(x)\,x - x^{2} + f(x) - x)$$

Sequence: A047355
Score: 14.7364
Type of gen. func.: ogf

$$\frac{x\,(4\,x + 3)}{(x + 1)\,(x - 1)^{2}}$$

Sequence: A047355
Score: 23.6497
Type of gen. func.: lgdogf

2

$$-\frac{8 x + 13 x + 7}{(x - 1) (4 x + 3) (x + 1)}$$

Sequence: A047355
Score: 7.56732
Type of gen. func.: ogf

$$(259 f(x) - 209) (f(x) x^3 - f(x) x^2 - f(x) x - 4 x^2 + f(x) - 3 x)$$

Sequence: A047355
Score: 7.56732
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 3, a(2) = 7\}$$

Sequence: A047356
Score: 10.6547
Type of gen. func.: ogf

$$\frac{4 x^2 + 2 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A047356
Score: 13.4972
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 8 x^2 + 13 x + 3}{(x - 1) (x + 1) (4 x^2 + 2 x + 1)}$$

Sequence: A047356
Score: 5.41612
Type of gen. func.: ogf

$$-(203 f(x) + 5373) (f(x) x^3 - f(x) x^2 - f(x) x - 4 x^2 + f(x) - 2 x - 1)$$

Sequence: A047356
Score: 5.80298
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 3, a(2) = 8\}$$

Sequence: A047357
Score: 12.4591
Type of gen. func.: ogf

$$\frac{x (4 x^2 + 2 x + 1)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047357
Score: 14.2412
Type of gen. func.: lgdogf

$$- \frac{(x + 1) (8 x^3 + 2 x^2 + 8 x + 3)}{(x - 1) (x^2 + x + 1) (4 x^2 + 2 x + 1)}$$

Sequence: A047357
Score: 4.90813
Type of gen. func.: ogf

$$\{(-7 n - 18) a(n + 1) - 7 a(n + 2) - 7 a(n + 3) + (7 n + 11) a(n + 4), a(0) = 0,$$
$$a(1) = 1, a(2) = 3, a(3) = 7\}$$

Sequence: A047357
Score: 6.63805
Type of gen. func.: ogf

$$-(14 f(x) - 599) (f(x) x^4 - f(x) x^3 - 4 x^3 - f(x) x - 2 x^2 + f(x) - x)$$

Sequence: A047358
Score: 10.7185
Type of gen. func.: ogf

$$\frac{4 x^2 + x + 2}{(x + 1) (x - 1)^2}$$

Sequence: A047358
Score: 14.1835
Type of gen. func.: lgdogf

$$- \frac{4 x^3 + 6 x^2 + 15 x + 3}{(x - 1) (x + 1) (4 x^2 + x + 2)}$$

Sequence: A047358
Score: 5.63643
Type of gen. func.: ogf

$$(301 f(x) + 2458) (f(x) x^3 - f(x) x^2 - f(x) x - 4 x^2 + f(x) - x - 2)$$

Sequence: A047358
Score: 5.83773
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 3, a(2) = 9\}$$

Sequence: A047359
Score: 11.5564
Type of gen. func.: lgdogf

$$- \frac{8 x^4 + 7 x^3 + 13 x^2 + 11 x + 3}{(x - 1) (x^2 + x + 1) (4 x^2 + x + 2)}$$

Sequence: A047359
Score: 12.5223
Type of gen. func.: ogf

2

$$\frac{x (4 x + x + 2)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047359
Score: 4.93304
Type of gen. func.: ogf

$$\{(7 n + 19) a(n + 1) + 7 a(n + 2) + 7 a(n + 3) + (-7 n - 12) a(n + 4), a(0) = 0, a(1) = 2, a(2) = 3, a(3) = 7\}$$

Sequence: A047359
Score: 6.67175
Type of gen. func.: ogf

$$-(77 f(x) + 306) (f(x) x^4 - f(x) x^3 - 4 x^3 - f(x) x - x^2 + f(x) - 2 x)$$

Sequence: A047360
Score: 11.8560
Type of gen. func.: ogf

$$\frac{4 x^3 + x^2 + x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047360
Score: 12.1458
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^5 + 3 x^4 + 4 x^3 + 9 x^2 + 2 x + 1)}{(x - 1) (x^2 + x + 1) (4 x^3 + x^2 + x + 1)}$$

Sequence: A047360
Score: 4.92809
Type of gen. func.: ogf

$$\{(7 n + 20) a(n + 1) + 7 a(n + 2) + 7 a(n + 3) + (-7 n - 13) a(n + 4), a(0) = 1,$$

$a(1) = 2, a(2) = 3, a(3) = 8\}$

Sequence: A047360
Score: 6.34158
Type of gen. func.: ogf

$$-(1232 f(x) + 9477) (f(x) x^4 - f(x) x^3 - 4 x^3 - f(x) x - x^2 + f(x) - x - 1)$$

Sequence: A047361
Score: 11.2651
Type of gen. func.: ogf

$$\frac{x (4 x^3 + x^2 + x + 1)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047361
Score: 8.67128
Type of gen. func.: lgdogf

$$- \frac{8 x^6 + 7 x^5 + 9 x^4 + 11 x^3 + 15 x^2 + 4 x + 2}{(x - 1) (x + 1) (x^2 + 1) (4 x^3 + x^2 + x + 1)}$$

Sequence: A047362
Score: 10.6943
Type of gen. func.: ogf

$$\frac{(2 x^2 + 3 x + 2) (x^2 - x + 1)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047362
Score: 7.32704
Type of gen. func.: lgdogf

$$- \frac{2 x^7 + 4 x^6 + 6 x^5 + 8 x^4 + 21 x^3 + 7 x^2 + 5 x + 3}{}$$

$$(x - 1) (x + 1) (x^2 + 1) (2 x^2 + 3 x + 2) (x^2 - x + 1)$$

Sequence: A047363
Score: 6.59017
Type of gen. func.: lgdogf

$$- \frac{4 x^8 + 5 x^7 + 7 x^6 + 9 x^5 + 17 x^4 + 13 x^3 + 7 x^2 + 5 x + 3}{(x - 1) (2 x^2 + 3 x + 2) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A047363
Score: 8.28575
Type of gen. func.: ogf

$$\frac{x (2 x^2 + 3 x + 2) (x^2 - x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047364
Score: 12.0347
Type of gen. func.: ogf

$$\frac{2 x^3 + x^2 + x + 3}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047364
Score: 4.97243
Type of gen. func.: ogf

$$\{(-7 n - 26) a(n + 1) - 7 a(n + 2) - 7 a(n + 3) + (7 n + 19) a(n + 4), a(0) = 3,$$
$$a(1) = 4, a(2) = 5, a(3) = 10\}$$

Sequence: A047364
Score: 6.48747
Type of gen. func.: ogf

4 3 3 2

$$-(112 f(x) + 1049) (f(x) x - f(x) x - 2 x - f(x) x - x + f(x) - x - 3)$$

Sequence: A047364
Score: 9.84771
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 + 2 x^4 + 3 x^3 + 10 x^2 + 3 x + 2)}{(x - 1) (2 x^3 + x^2 + x + 3) (x^2 + x + 1)}$$

Sequence: A047365
Score: 11.1663
Type of gen. func.: ogf

$$\frac{x (2 x^3 + x^2 + x + 3)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047365
Score: 8.58035
Type of gen. func.: lgdogf

$$-\frac{4 x^6 + 5 x^5 + 7 x^4 + 19 x^3 + 11 x^2 + 6 x + 4}{(x - 1) (x + 1) (2 x^3 + x^2 + x + 3) (x^2 + 1)}$$

Sequence: A047366
Score: 10.6402
Type of gen. func.: ogf

$$\frac{2 x^4 + x^3 + x^2 + 2 x + 1}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047366
Score: 7.41030
Type of gen. func.: lgdogf

$$-\frac{2 x^7 + 4 x^6 + 6 x^5 + 12 x^4 + 17 x^3 + 7 x^2 + 5 x + 3}{(x - 1) (x + 1) (x^2 + 1) (2 x^4 + x^3 + x^2 + 2 x + 1)}$$

Sequence: A047367
Score: 6.65674
Type of gen. func.: lgdogf

$$-\frac{4 x^8 + 5 x^7 + 7 x^6 + 14 x^5 + 12 x^4 + 13 x^3 + 7 x^2 + 5 x + 3}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (2 x^4 + x^3 + x^2 + 2 x + 1)}$$

Sequence: A047367
Score: 8.28575
Type of gen. func.: ogf

$$\frac{x (2 x^4 + x^3 + x^2 + 2 x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047368
Score: 5.33550
Type of gen. func.: lgdogf

$$-(4 x^{10} + 5 x^9 + 7 x^8 + 9 x^7 + 11 x^6 + 13 x^5 + 15 x^4 + 8 x^3 + 6 x^2 + 4 x + 2) / ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (2 x^5 + x^4 + x^3 + x^2 + x + 1))$$

Sequence: A047368
Score: 9.16528
Type of gen. func.: ogf

$$\frac{x (2 x^5 + x^4 + x^3 + x^2 + x + 1)}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A047369
Score: 6.27635
Type of gen. func.: lgdogf

$$-\frac{2\,(x^9+2\,x^8+3\,x^7+4\,x^6+5\,x^5+10\,x^4+4\,x^3+3\,x^2+2\,x+1)}{(x-1)\,(x^4+x^3+x^2+x+1)\,(2\,x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A047369
Score: 9.56226
Type of gen. func.: ogf

$$\frac{2\,x^5+x^4+x^3+x^2+x+1}{(x^4+x^3+x^2+x+1)\,(x-1)^2}$$

Sequence: A047370
Score: 11.9751
Type of gen. func.: ogf

$$\frac{2\,x^3+2\,x^2+x+2}{(x^2+x+1)\,(x-1)^2}$$

Sequence: A047370
Score: 12.0872
Type of gen. func.: lgdogf

$$-\frac{2\,x^5+6\,x^4+7\,x^3+17\,x^2+7\,x+3}{(x-1)\,(x^2+x+1)\,(2\,x^3+2\,x^2+x+2)}$$

Sequence: A047370
Score: 4.97762
Type of gen. func.: ogf

{(-7 n - 24) a(n + 1) - 7 a(n + 2) - 7 a(n + 3) + (7 n + 17) a(n + 4), a(0) = 2,

a(1) = 3, a(2) = 5, a(3) = 9}

Sequence: A047370
Score: 6.71777
Type of gen. func.: ogf

$$(14 f(x) + 1025) (f(x) x^{4} - f(x) x^{3} - 2 x^{3} - f(x) x - 2 x^{2} + f(x) - x - 2)$$

Sequence: A047371
Score: 11.1093
Type of gen. func.: ogf

$$\frac{x (2 x^{3} + 2 x^{2} + x + 2)}{(x^{2} + 1) (x + 1) (x - 1)^{2}}$$

Sequence: A047371
Score: 8.30874
Type of gen. func.: lgdogf

$$- \frac{4 x^{6} + 8 x^{5} + 8 x^{4} + 15 x^{3} + 11 x^{2} + 7 x + 3}{(x - 1) (x + 1) (x^{2} + 1) (2 x^{3} + 2 x^{2} + x + 2)}$$

Sequence: A047372
Score: 10.5862
Type of gen. func.: ogf

$$\frac{2 x^{4} + 2 x^{3} + x^{2} + x + 1}{(x^{2} + 1) (x + 1) (x - 1)^{2}}$$

Sequence: A047372
Score: 7.44921
Type of gen. func.: lgdogf

$$- \frac{2 x^{7} + 6 x^{6} + 7 x^{5} + 9 x^{4} + 17 x^{3} + 9 x^{2} + 4 x + 2}{{}^{2} \qquad {}^{4} \quad {}^{3} \; {}^{2}}$$

(x - 1) (x + 1) (x + 1) (2 x + 2 x + x + x + 1)

Sequence: A047373
Score: 10.1224
Type of gen. func.: ogf

$$\frac{x\,(2x^4+2x^3+x^2+x+1)}{(x^4+x^3+x^2+x+1)\,(x-1)^2}$$

Sequence: A047373
Score: 6.82265
Type of gen. func.: lgdogf

$$-\frac{(x+1)\,(4x^7+4x^6+4x^5+6x^4+6x^3+7x^2+2x+2)}{(x-1)\,(x^4+x^3+x^2+x+1)\,(2x^4+2x^3+x^2+x+1)}$$

Sequence: A047374
Score: 10.7823
Type of gen. func.: ogf

$$\frac{2x^2+x+4}{(x+1)\,(x-1)^2}$$

Sequence: A047374
Score: 14.2700
Type of gen. func.: lgdogf

$$-\frac{2x^3+4x^2+17x+5}{(x-1)\,(x+1)\,(2x^2+x+4)}$$

Sequence: A047374
Score: 5.39113
Type of gen. func.: ogf

$$-(1253 f(x) + 11946) (f(x) x^3 - f(x) x^2 - f(x) x - 2 x^2 + f(x) - x - 4)$$

Sequence: A047374
Score: 5.82051
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 4, a(1) = 5, a(2) = 11\}$$

Sequence: A047375
Score: 11.8387
Type of gen. func.: lgdogf

$$-\frac{4 x^4 + 5 x^3 + 19 x^2 + 9 x + 5}{(x - 1) (x^2 + x + 1) (2 x^2 + x + 4)}$$

Sequence: A047375
Score: 12.5856
Type of gen. func.: ogf

$$\frac{x (2 x^2 + x + 4)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047375
Score: 4.95796
Type of gen. func.: ogf

$$\{(-7 n - 23) a(n + 1) - 7 a(n + 2) - 7 a(n + 3) + (7 n + 16) a(n + 4), a(0) = 0,$$
$$a(1) = 4, a(2) = 5, a(3) = 7\}$$

Sequence: A047375
Score: 7.05228
Type of gen. func.: ogf

$$(7 f(x) + 52) (f(x) x^4 - f(x) x^3 - 2 x^3 - f(x) x - x^2 + f(x) - 4 x)$$

Sequence: A047376
Score: 11.9156
Type of gen. func.: ogf

$$\frac{2 x^3 + x^2 + 3 x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047376
Score: 4.95286
Type of gen. func.: ogf

$$\{(-7 n - 24) a(n + 1) - 7 a(n + 2) - 7 a(n + 3) + (7 n + 17) a(n + 4), a(0) = 1, a(1) = 4, a(2) = 5, a(3) = 8\}$$

Sequence: A047376
Score: 6.5774
Type of gen. func.: ogf

$$(1183 f(x) + 2469) (f(x) x^4 - f(x) x^3 - 2 x^3 - f(x) x - x^2 + f(x) - 3 x - 1)$$

Sequence: A047376
Score: 9.86557
Type of gen. func.: lgdogf

$$- \frac{2 (x^5 + 2 x^4 + 6 x^3 + 7 x^2 + 3 x + 2)}{(x - 1) (x^2 + x + 1) (2 x^3 + x^2 + 3 x + 1)}$$

Sequence: A047377
Score: 11.0524
Type of gen. func.: ogf

$$\frac{x (2 x^3 + x^2 + 3 x + 1)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047377
Score: 8.20356
Type of gen. func.: lgdogf

$$-\frac{4x^6+5x^5+15x^4+11x^3+11x^2+6x+4}{(x-1)(x+1)(x^2+1)(2x^3+x^2+3x+1)}$$

Sequence: A047378
Score: 11.9751
Type of gen. func.: ogf

$$\frac{2x^3+x^2+2x+2}{(x^2+x+1)(x-1)^2}$$

Sequence: A047378
Score: 4.97762
Type of gen. func.: ogf

$\{(7n+25)a(n+1)+7a(n+2)+7a(n+3)+(-7n-18)a(n+4),\ a(0)=2,$

$a(1)=4,\ a(2)=5,\ a(3)=9\}$

Sequence: A047378
Score: 6.77283
Type of gen. func.: ogf

$$(91f(x)+457)(f(x)x^4-f(x)x^3-2x^3-f(x)x-x^2+f(x)-2x-2)$$

Sequence: A047378
Score: 9.77758
Type of gen. func.: lgdogf

$$-\frac{2x^5+4x^4+9x^3+17x^2+6x+4}{(x-1)(x^2+x+1)(2x^3+x^2+2x+2)}$$

Sequence: A047379
Score: 8.20356
Type of gen. func.: lgdogf

$$-\frac{4x^6+5x^5+11x^4+15x^3+11x^2+6x+4}{(x-1)(x+1)(x^2+1)(2x^3+x^2+2x+2)}$$

Sequence: A047379
Score: 9.04325
Type of gen. func.: ogf

$$\frac{x(2x^3+x^2+2x+2)}{(x^2+1)(x+1)(x-1)^2}$$

Sequence: A047380
Score: 10.5862
Type of gen. func.: ogf

$$\frac{2x^4+x^3+2x^2+x+1}{(x^2+1)(x+1)(x-1)^2}$$

Sequence: A047380
Score: 7.44921
Type of gen. func.: lgdogf

$$-\frac{2x^7+4x^6+9x^5+9x^4+17x^3+7x^2+6x+2}{(x-1)(x+1)(x^2+1)(2x^4+x^3+2x^2+x+1)}$$

Sequence: A047381
Score: 6.54974
Type of gen. func.: lgdogf

$$-\frac{4x^8+5x^7+11x^6+10x^5+12x^4+13x^3+7x^2+6x+2}{(x-1)(x^4+x^3+x^2+x+1)(2x^4+x^3+2x^2+x+1)}$$

Sequence: A047381
Score: 8.23584
Type of gen. func.: ogf

$$\frac{x (2 x^4 + x^3 + 2 x^2 + x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047382
Score: 11.3341
Type of gen. func.: ogf

$$\frac{x (2 x + 5)}{(x + 1) (x - 1)^2}$$

Sequence: A047382
Score: 18.1248
Type of gen. func.: lgdogf

$$- \frac{4 x^2 + 17 x + 7}{(2 x + 5) (x - 1) (x + 1)}$$

Sequence: A047382
Score: 5.76823
Type of gen. func.: ogf

$$(133 f(x) + 1496) (f(x) x^3 - f(x) x^2 - f(x) x - 2 x^2 + f(x) - 5 x)$$

Sequence: A047382
Score: 5.82020
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 5, a(2) = 7\}$$

Sequence: A047383

Score: 10.6547
Type of gen. func.: ogf

$$\frac{2 x^{2} + 4 x + 1}{(x + 1) (x - 1)^{2}}$$

Sequence: A047383
Score: 13.2160
Type of gen. func.: lgdogf

$$- \frac{2 x^{3} + 10 x^{2} + 11 x + 5}{(x - 1) (x + 1) (2 x^{2} + 4 x + 1)}$$

Sequence: A047383
Score: 5.6516
Type of gen. func.: ogf

$$(497 f(x) + 135) (f(x) x^{3} - f(x) x^{2} - f(x) x - 2 x^{2} + f(x) - 4 x - 1)$$

Sequence: A047383
Score: 5.80298
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 5, a(2) = 8\}$$

Sequence: A047384
Score: 12.4591
Type of gen. func.: ogf

$$\frac{x (2 x^{2} + 4 x + 1)}{(x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A047384
Score: 13.7502
Type of gen. func.: lgdogf

$$-\frac{4x^4+14x^3+10x^2+9x+5}{(x-1)(x^2+x+1)(2x^2+4x+1)}$$

Sequence: A047384
Score: 4.90813
Type of gen. func.: ogf

{(-7 n - 20) a(n + 1) - 7 a(n + 2) - 7 a(n + 3) + (7 n + 13) a(n + 4), a(0) = 0,

a(1) = 1, a(2) = 5, a(3) = 7}

Sequence: A047384
Score: 6.69291
Type of gen. func.: ogf

$$-(14 f(x) + 89) (f(x) x^4 - f(x) x^3 - 2 x^3 - f(x) x - 4 x^2 + f(x) - x)$$

Sequence: A047385
Score: 10.7185
Type of gen. func.: ogf

$$\frac{2x^2+3x+2}{(x+1)(x-1)^2}$$

Sequence: A047385
Score: 13.5800
Type of gen. func.: lgdogf

$$-\frac{2x^3+8x^2+13x+5}{(x-1)(x+1)(2x^2+3x+2)}$$

Sequence: A047385
Score: 5.83773
Type of gen. func.: ogf

$$(5 f(x) - 13) (f(x) x^3 - f(x) x^2 - f(x) x - 2 x^2 + f(x) - 3 x - 2)$$

Sequence: A047385
Score: 5.83773
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 2, a(1) = 5, a(2) = 9\}$$

Sequence: A047386
Score: 11.1579
Type of gen. func.: lgdogf

$$- \frac{4 x^4 + 11 x^3 + 13 x^2 + 9 x + 5}{(x - 1) (x^2 + x + 1) (2 x^2 + 3 x + 2)}$$

Sequence: A047386
Score: 12.5223
Type of gen. func.: ogf

$$\frac{(2 x^2 + 3 x + 2) x}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047386
Score: 4.99357
Type of gen. func.: ogf

$$\{(n + 3) a(n + 1) + a(n + 2) + a(n + 3) + (-n - 2) a(n + 4), a(0) = 0, a(1) = 2, a(2) = 5, a(3) = 7\}$$

Sequence: A047386
Score: 7.07785
Type of gen. func.: ogf

$$(3 f(x) + 5) (f(x) x^4 - f(x) x^3 - 2 x^3 - f(x) x - 3 x^2 + f(x) - 2 x)$$

Sequence: A047387
Score: 11.8560
Type of gen. func.: ogf

$$\frac{2 x^{3} + 3 x^{2} + x + 1}{(x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A047387
Score: 4.92809
Type of gen. func.: ogf

$\{(-7 n - 22) a(n + 1) - 7 a(n + 2) - 7 a(n + 3) + (7 n + 15) a(n + 4), a(0) = 1,$

$a(1) = 2, a(2) = 5, a(3) = 8\}$

Sequence: A047387
Score: 6.39112
Type of gen. func.: ogf

$$-(455 f(x) - 4034) (f(x) x^{4} - f(x) x^{3} - 2 x^{3} - f(x) x - 3 x^{2} + f(x) - x - 1)$$

Sequence: A047387
Score: 9.80541
Type of gen. func.: lgdogf

$$- \frac{2 (x^{5} + 4 x^{4} + 4 x^{3} + 7 x^{2} + 4 x + 1)}{(x - 1) (x^{2} + x + 1) (2 x^{3} + 3 x^{2} + x + 1)}$$

Sequence: A047388
Score: 11.2651
Type of gen. func.: ogf

$$\frac{x (2 x^{3} + 3 x^{2} + x + 1)}{(x^{2} + 1) (x + 1) (x - 1)^{2}}$$

Sequence: A047388
Score: 8.34199
Type of gen. func.: lgdogf

$$-\frac{4 x^6 + 11 x^5 + 9 x^4 + 11 x^3 + 11 x^2 + 8 x + 2}{(x - 1) (x + 1) (x^2 + 1) (2 x^3 + 3 x^2 + x + 1)}$$

Sequence: A047389
Score: 10.7823
Type of gen. func.: ogf

$$\frac{2 x^2 + 2 x + 3}{(x + 1) (x - 1)^2}$$

Sequence: A047389
Score: 13.6628
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 6 x^2 + 15 x + 5}{(x - 1) (x + 1) (2 x^2 + 2 x + 3)}$$

Sequence: A047389
Score: 5.71928
Type of gen. func.: ogf

$$(91 f(x) + 1727) (f(x) x^3 - f(x) x^2 - f(x) x - 2 x^2 + f(x) - 2 x - 3)$$

Sequence: A047389
Score: 5.82051
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 3, a(1) = 5, a(2) = 10\}$$

Sequence: A047390
Score: 12.8893

Type of gen. func.: ogf

$$\frac{x\,(2\,x^{2}+2\,x+3)}{(x^{2}+x+1)\,(x-1)^{2}}$$

Sequence: A047390
Score: 14.4812
Type of gen. func.: lgdogf

$$-\frac{4\,x^{4}+8\,x^{3}+16\,x^{2}+9\,x+5}{(x-1)\,(x^{2}+x+1)\,(2\,x^{2}+2\,x+3)}$$

Sequence: A047390
Score: 5.07762
Type of gen. func.: ogf

{(-7 n - 22) a(n + 1) - 7 a(n + 2) - 7 a(n + 3) + (7 n + 15) a(n + 4), a(0) = 0,

a(1) = 3, a(2) = 5, a(3) = 7}

Sequence: A047390
Score: 6.92404
Type of gen. func.: ogf

$$-(14\,f(x)+19)\,(f(x)\,x^{4}-f(x)\,x^{3}-2\,x^{3}-f(x)\,x-2\,x^{2}+f(x)-3\,x)$$

Sequence: A047391
Score: 11.9156
Type of gen. func.: ogf

$$\frac{2\,x^{3}+2\,x^{2}+2\,x+1}{(x^{2}+x+1)\,(x-1)^{2}}$$

Sequence: A047391
Score: 4.95286
Type of gen. func.: ogf

$\{(-7 n - 23) a(n + 1) - 7 a(n + 2) - 7 a(n + 3) + (7 n + 16) a(n + 4), a(0) = 1,$

$a(1) = 3, a(2) = 5, a(3) = 8\}$

Sequence: A047391
Score: 6.68435
Type of gen. func.: ogf

$$(91 f(x) + 1376) (f(x) x^4 - f(x) x^3 - 2 x^3 - f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A047391
Score: 9.30182
Type of gen. func.: lgdogf

$$- \frac{2 x^5 + 6 x^4 + 10 x^3 + 14 x^2 + 7 x + 3}{(x - 1) (x^2 + x + 1) (2 x^3 + 2 x^2 + 2 x + 1)}$$

Sequence: A047392
Score: 11.0524
Type of gen. func.: ogf

$$\frac{x (2 x^3 + 2 x^2 + 2 x + 1)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047392
Score: 8.00100
Type of gen. func.: lgdogf

$$- \frac{4 x^6 + 8 x^5 + 12 x^4 + 11 x^3 + 11 x^2 + 7 x + 3}{(x - 1) (x + 1) (x^2 + 1) (2 x^3 + 2 x^2 + 2 x + 1)}$$

Sequence: A047393
Score: 14.8794
Type of gen. func.: ogf

$$\frac{x\,(7\,x+1)}{(x+1)\,(x-1)^{2}}$$

Sequence: A047393
Score: 23.2193
Type of gen. func.: lgdogf

$$-\frac{2\,(7\,x^{2}+5\,x+4)}{(x-1)\,(7\,x+1)\,(x+1)}$$

Sequence: A047393
Score: 7.43972
Type of gen. func.: ogf

$$(2144\,f(x)+21065)\,(f(x)\,x^{3}-f(x)\,x^{2}-f(x)\,x-7\,x^{2}+f(x)-x)$$

Sequence: A047393
Score: 7.64079
Type of gen. func.: ogf

$$\{a(n+3)-a(n+2)-a(n+1)+a(n),\ a(0)=0,\ a(1)=1,\ a(2)=8\}$$

Sequence: A047394
Score: 10.9831
Type of gen. func.: lgdogf

$$-\frac{4\,x^{4}+17\,x^{3}+11\,x^{2}+10\,x+6}{(x-1)\,(x^{2}+x+1)\,(2\,x^{2}+5\,x+1)}$$

Sequence: A047394
Score: 12.5350
Type of gen. func.: ogf

$$\frac{x\,(2\,x^{2}+5\,x+1)}{{}^{2}\qquad\qquad{}^{2}}$$

$$(x + x + 1) (x - 1)$$

Sequence: A047394
Score: 4.93802
Type of gen. func.: ogf

$$\{(-8 n - 23) a(n + 1) - 8 a(n + 2) - 8 a(n + 3) + (8 n + 15) a(n + 4), a(0) = 0, a(1) = 1, a(2) = 6, a(3) = 8\}$$

Sequence: A047394
Score: 6.36543
Type of gen. func.: ogf

$$-(28048 f(x) + 188703) (f(x) x^4 - f(x) x^3 - 2 x^3 - f(x) x - 5 x^2 + f(x) - x)$$

Sequence: A047395
Score: 12.5980
Type of gen. func.: ogf

$$\frac{2 x (x + 1)^2}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047395
Score: 21.5677
Type of gen. func.: lgdogf

$$- \frac{2 x^3 + 5 x^2 + 2 x + 3}{(x^2 + x + 1) (x - 1) (x + 1)}$$

Sequence: A047395
Score: 28.1210
Type of gen. func.: egf]_with_Euler_transform]

$$3 - 2 x + 1/2 x^2$$

Sequence: A047395
Score: 5.02373
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 1) - a(n + 2) - a(n + 3) + (n + 2) a(n + 4), a(0) = 0, a(1) = 2, a(2) = 6, a(3) = 8\}$$

Sequence: A047395
Score: 6.82391
Type of gen. func.: ogf

$$-(7 f(x) + 22) (f(x) x^4 - f(x) x^3 - 2 x^3 - f(x) x - 4 x^2 + f(x) - 2 x)$$

Sequence: A047396
Score: 11.9270
Type of gen. func.: ogf

$$\frac{2 x^3 + 4 x^2 + x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047396
Score: 4.95760
Type of gen. func.: ogf

$$\{(-8 n - 25) a(n + 1) - 8 a(n + 2) - 8 a(n + 3) + (8 n + 17) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 9\}$$

Sequence: A047396
Score: 6.33049
Type of gen. func.: ogf

$$-(1392 f(x) + 68569) (f(x) x^4 - f(x) x^3 - 2 x^3 - f(x) x - 4 x^2 + f(x) - x - 1)$$

Sequence: A047396
Score: 9.44862
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 10 x^4 + 9 x^3 + 15 x^2 + 10 x + 2}{(x - 1) (x^2 + x + 1) (2 x^3 + 4 x^2 + x + 1)}$$

Sequence: A047397
Score: 11.1808
Type of gen. func.: ogf

$$\frac{x (2 x^3 + 4 x^2 + x + 1)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047397
Score: 8.32292
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^6 + 7 x^5 + 5 x^4 + 6 x^3 + 6 x^2 + 5 x + 1)}{(x - 1) (x + 1) (x^2 + 1) (2 x^3 + 4 x^2 + x + 1)}$$

Sequence: A047398
Score: 13.8454
Type of gen. func.: ogf

$$\frac{2 x^2 + 3 x + 3}{(x + 1) (x - 1)^2}$$

Sequence: A047398
Score: 18.0072
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 + 4 x^2 + 8 x + 3)}{(x - 1) (x + 1) (2 x^2 + 3 x + 3)}$$

Sequence: A047398
Score: 7.0381
Type of gen. func.: ogf

$$-(416 f(x) - 6761) (f(x) x^3 - f(x) x^2 - f(x) x - 2 x^2 + f(x) - 3 x - 3)$$

Sequence: A047398
Score: 7.47409
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 3, a(1) = 6, a(2) = 11\}$$

Sequence: A047399
Score: 11.0501
Type of gen. func.: lgdogf

$$- \frac{4 x^4 + 11 x^3 + 17 x^2 + 10 x + 6}{(x - 1) (x^2 + x + 1) (2 x^2 + 3 x + 3)}$$

Sequence: A047399
Score: 12.5980
Type of gen. func.: ogf

$$\frac{x (2 x^2 + 3 x + 3)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047399
Score: 4.96284
Type of gen. func.: ogf

$$\{(8 n + 25) a(n + 1) + 8 a(n + 2) + 8 a(n + 3) + (-8 n - 17) a(n + 4), a(0) = 0,$$
$$a(1) = 3, a(2) = 6, a(3) = 8\}$$

Sequence: A047399
Score: 6.65747
Type of gen. func.: ogf

$$-(112 f(x) + 185) (f(x) x^4 - f(x) x^3 - 2 x^3 - f(x) x - 3 x^2 + f(x) - 3 x)$$

Sequence: A047400
Score: 11.9270
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x^2 + x + 1)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047400
Score: 4.98765
Type of gen. func.: ogf

$$\{(4 n + 13) a(n + 1) + 4 a(n + 2) + 4 a(n + 3) + (-4 n - 9) a(n + 4), a(0) = 1, a(1) = 3, a(2) = 6, a(3) = 9\}$$

Sequence: A047400
Score: 6.80135
Type of gen. func.: ogf

$$(52 f(x) - 79) (f(x) x^4 - f(x) x^3 - 2 x^3 - f(x) x - 3 x^2 + f(x) - 2 x - 1)$$

Sequence: A047400
Score: 9.58757
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 8 x^4 + 11 x^3 + 15 x^2 + 9 x + 3}{(x - 1) (x + 1) (x^2 + x + 1) (2 x^2 + x + 1)}$$

Sequence: A047401
Score: 11.1808
Type of gen. func.: ogf

$$\frac{x (2 x^2 + x + 1)}{{}^{2} \qquad {}^{2}}$$

$$(x + 1) (x - 1)$$

Sequence: A047401
Score: 12.4844
Type of gen. func.: lgdogf

$$-\frac{4 x^4 + 3 x^3 + 3 x^2 + 3 x + 3}{(x - 1) (x^2 + 1) (2 x^2 + x + 1)}$$

Sequence: A047401
Score: 5.87192
Type of gen. func.: ogf

$$-(16 f(x) + 55)$$

$$(f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - 2 x^3 - 2 f(x) x - x^2 + f(x) - x)$$

Sequence: A047402
Score: 11.9863
Type of gen. func.: ogf

$$\frac{2 x^3 + 3 x^2 + x + 2}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047402
Score: 4.95244
Type of gen. func.: ogf

$$\{(-8 n - 27) a(n + 1) - 8 a(n + 2) - 8 a(n + 3) + (8 n + 19) a(n + 4), a(0) = 2,$$

$$a(1) = 3, a(2) = 6, a(3) = 10\}$$

Sequence: A047402
Score: 6.56395
Type of gen. func.: ogf

$$(4912 f(x) - 80499) (f(x) x^4 - f(x) x^3 - 2 x^3 - f(x) x - 3 x^2 + f(x) - x - 2)$$

Sequence: A047402
Score: 9.50681
Type of gen. func.: lgdogf

$$-\frac{2x^5+8x^4+8x^3+18x^2+9x+3}{(x-1)(x^2+x+1)(2x^3+3x^2+x+2)}$$

Sequence: A047403
Score: 10.7266
Type of gen. func.: lgdogf

$$-\frac{4x^6+11x^5+9x^4+16x^3+12x^2+9x+3}{(x-1)(x+1)(x^2+1)(2x^3+3x^2+x+2)}$$

Sequence: A047403
Score: 11.7798
Type of gen. func.: ogf

$$-\frac{x(2x^3+3x^2+x+2)}{(x^2+1)(x+1)(x-1)^2}$$

Sequence: A047404
Score: 11.2620
Type of gen. func.: lgdogf

$$-\frac{2(x^5+2x^4-x^3+5x^2+1)}{(x-1)(x+1)(x^2+1)(2x^2-x+1)}$$

Sequence: A047404
Score: 11.2943
Type of gen. func.: ogf

$$(x+1)(2x^2-x+1)$$

$$\overline{(x^2 + 1) (x - 1)^2}$$

Sequence: A047404
Score: 4.20655
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 1) + (n + 2) a(n + 2) + (-n - 3) a(n + 3) + (n + 2) a(n + 4),$$

$$a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 6\}$$

Sequence: A047404
Score: 6.19913
Type of gen. func.: ogf

$$(3 f(x) + 5)$$

$$(f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - 2 x^3 - 2 f(x) x - x^2 + f(x) - 1)$$

Sequence: A047405
Score: 7.57491
Type of gen. func.: lgdogf

$$- \frac{4 x^7 + 7 x^6 + 2 x^5 + 9 x^4 + 4 x^3 + 10 x^2 + 2 x + 2}{(x - 1) (x + 1) (2 x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A047405
Score: 8.28575
Type of gen. func.: ogf

$$\frac{x (2 x^2 - x + 1) (x + 1)^2}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047406
Score: 13.5873
Type of gen. func.: ogf

$$2$$

$$\frac{2\,(x + x + 2)}{(x + 1)\,(x - 1)^{2}}$$

Sequence: A047406
Score: 20.3163
Type of gen. func.: lgdogf

$$-\frac{x^{3} + 3\,x^{2} + 9\,x + 3}{(x - 1)\,(x + 1)\,(x^{2} + x + 2)}$$

Sequence: A047406
Score: 7.2704
Type of gen. func.: ogf

$$(16\,f(x) + 251)\,(f(x)\,x^{3} - f(x)\,x^{2} - f(x)\,x - 2\,x^{2} + f(x) - 2\,x - 4)$$

Sequence: A047406
Score: 7.33473
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n),\ a(0) = 4,\ a(1) = 6,\ a(2) = 12\}$$

Sequence: A047407
Score: 12.3581
Type of gen. func.: ogf

$$\frac{2\,x\,(x^{2} + x + 2)}{(x^{2} + x + 1)\,(x - 1)^{2}}$$

Sequence: A047407
Score: 12.3756
Type of gen. func.: lgdogf

$$-\frac{2\,x^{4} + 4\,x^{3} + 10\,x^{2} + 5\,x + 3}{{}^{2} \qquad\qquad {}^{2}}$$

$$(x - 1) (x + x + 1) (x + x + 2)$$

Sequence: A047407
Score: 4.89802
Type of gen. func.: ogf

$$\{(4 n + 13) a(n + 1) + 4 a(n + 2) + 4 a(n + 3) + (-4 n - 9) a(n + 4), a(0) = 0, a(1) = 4, a(2) = 6, a(3) = 8\}$$

Sequence: A047407
Score: 6.8656
Type of gen. func.: ogf

$$(28 f(x) + 15) (f(x) x^4 - f(x) x^3 - 2 x^3 - f(x) x - 2 x^2 + f(x) - 4 x)$$

Sequence: A047408
Score: 11.9863
Type of gen. func.: ogf

$$\frac{2 x^3 + 2 x^2 + 3 x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047408
Score: 4.98227
Type of gen. func.: ogf

$$\{(-8 n - 27) a(n + 1) - 8 a(n + 2) - 8 a(n + 3) + (8 n + 19) a(n + 4), a(0) = 1, a(1) = 4, a(2) = 6, a(3) = 9\}$$

Sequence: A047408
Score: 6.72405
Type of gen. func.: ogf

$$(496 f(x) + 305) (f(x) x^4 - f(x) x^3 - 2 x^3 - f(x) x - 2 x^2 + f(x) - 3 x - 1)$$

Sequence: A047408
Score: 9.37008
Type of gen. func.: lgdogf

$$-\frac{2x^5+6x^4+13x^3+15x^2+8x+4}{(x-1)(x^2+x+1)(2x^3+2x^2+3x+1)}$$

Sequence: A047409
Score: 11.2375
Type of gen. func.: ogf

$$\frac{x(2x^3+2x^2+3x+1)}{(x^2+1)(x+1)(x-1)^2}$$

Sequence: A047409
Score: 8.37429
Type of gen. func.: lgdogf

$$-\frac{4(x^6+2x^5+4x^4+3x^3+3x^2+2x+1)}{(x-1)(x+1)(x^2+1)(2x^3+2x^2+3x+1)}$$

Sequence: A047410
Score: 10.6815
Type of gen. func.: lgdogf

$$-\frac{x^5+3x^4+5x^3+9x^2+4x+2}{(x-1)(x+1)(x^2+1)(x^2+x+1)}$$

Sequence: A047410
Score: 12.0457
Type of gen. func.: ogf

$$\frac{2(x^2+1)(x+1)}{(x^2+x+1)(x-1)^2}$$

Sequence: A047410
Score: 28.5428
Type of gen. func.: ogf_with_Euler_transform]

$$-x^3 + x^2 + 2$$

Sequence: A047410
Score: 5.03728
Type of gen. func.: ogf

$$\{(-2 n - 7) a(n + 1) - 2 a(n + 2) - 2 a(n + 3) + (2 n + 5) a(n + 4), a(0) = 2, a(1) = 4, a(2) = 6, a(3) = 10\}$$

Sequence: A047410
Score: 6.70284
Type of gen. func.: ogf

$$-(2 f(x) + 27) (f(x) x^4 - f(x) x^3 - 2 x^3 - f(x) x - 2 x^2 + f(x) - 2 x - 2)$$

Sequence: A047411
Score: 11.5351
Type of gen. func.: ogf

$$\frac{2 x^4 + 2 x^3 + 2 x^2 + x + 1}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047411
Score: 9.90281
Type of gen. func.: lgdogf

$$-\frac{2 (x^7 + 3 x^6 + 5 x^5 + 5 x^4 + 9 x^3 + 5 x^2 + 3 x + 1)}{(x - 1) (x + 1) (x^2 + 1) (2 x^4 + 2 x^3 + 2 x^2 + x + 1)}$$

Sequence: A047412
Score: 10.3820
Type of gen. func.: ogf

$$\frac{x (2 x^4 + 2 x^3 + 2 x^2 + x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047412
Score: 6.39822
Type of gen. func.: lgdogf

$$- \frac{4 x^8 + 8 x^7 + 12 x^6 + 11 x^5 + 13 x^4 + 14 x^3 + 10 x^2 + 6 x + 2}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (2 x^4 + 2 x^3 + 2 x^2 + x + 1)}$$

Sequence: A047413
Score: 12.0457
Type of gen. func.: ogf

$$\frac{2 x^3 + 2 x^2 + x + 3}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047413
Score: 4.97695
Type of gen. func.: ogf

$$\{(-8 n - 29) a(n + 1) - 8 a(n + 2) - 8 a(n + 3) + (8 n + 21) a(n + 4), a(0) = 3,$$

$$a(1) = 4, a(2) = 6, a(3) = 11\}$$

Sequence: A047413
Score: 6.29661
Type of gen. func.: ogf

$$-(12976 f(x) + 268461)$$

$$(f(x) x^4 - f(x) x^3 - 2 x^3 - f(x) x - 2 x^2 + f(x) - x - 3)$$

Sequence: A047413
Score: 9.56550
Type of gen. func.: lgdogf

$$-\frac{2x^5+6x^4+7x^3+21x^2+8x+4}{(x-1)(x^2+x+1)(2x^3+2x^2+x+3)}$$

Sequence: A047414
Score: 11.2943
Type of gen. func.: ogf

$$\frac{x(2x^3+2x^2+x+3)}{(x^2+1)(x+1)(x-1)^2}$$

Sequence: A047414
Score: 8.64740
Type of gen. func.: lgdogf

$$-\frac{4(x^6+2x^5+2x^4+5x^3+3x^2+2x+1)}{(x-1)(x+1)(x^2+1)(2x^3+2x^2+x+3)}$$

Sequence: A047415
Score: 12.0091
Type of gen. func.: ogf

$$\frac{2x^3+x+1}{(x^2+1)(x-1)^2}$$

Sequence: A047415
Score: 12.1704
Type of gen. func.: lgdogf

$$-\frac{2x^5+2x^4+x^3+9x^2-x+3}{(x-1)(x^2+1)(2x^3+x+1)}$$

Sequence: A047415
Score: 4.18498
Type of gen. func.: ogf

$$\{(4 n + 13) a(n + 1) + (-4 n - 9) a(n + 2) + (4 n + 13) a(n + 3) + (-4 n - 9) a(n + 4), a(0) = 1, a(1) = 3, a(2) = 4, a(3) = 6\}$$

Sequence: A047415
Score: 6.3254
Type of gen. func.: ogf

$$(16 f(x) + 27) (f(x) x^{4} - 2 f(x) x^{3} + 2 f(x) x^{2} - 2 x^{3} - 2 f(x) x + f(x) - x - 1)$$

Sequence: A047416
Score: 6.86476
Type of gen. func.: lgdogf

$$- \frac{4 x^{8} + 8 x^{7} + 8 x^{6} + 15 x^{5} + 13 x^{4} + 14 x^{3} + 10 x^{2} + 5 x + 3}{(x - 1) (x + 1) (2 x^{3} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A047416
Score: 8.28575
Type of gen. func.: ogf

$$\frac{x (x + 1) (2 x^{3} + x + 1)}{(x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A047417
Score: 10.5590
Type of gen. func.: ogf

$$\frac{2 x^{4} + 2 x^{3} + x^{2} + x + 2}{{}^{2} \qquad\qquad {}^{2}}$$

$$(x + 1) (x + 1) (x - 1)$$

Sequence: A047417
Score: 7.51374
Type of gen. func.: lgdogf

$$- \frac{2 x^7 + 6 x^6 + 7 x^5 + 9 x^4 + 22 x^3 + 10 x^2 + 5 x + 3}{(x - 1) (x + 1) (x^2 + 1) (2 x^4 + 2 x^3 + x^2 + x + 2)}$$

Sequence: A047418
Score: 6.48081
Type of gen. func.: lgdogf

$$- \frac{4 x^8 + 8 x^7 + 8 x^6 + 10 x^5 + 18 x^4 + 14 x^3 + 10 x^2 + 5 x + 3}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (2 x^4 + 2 x^3 + x^2 + x + 2)}$$

Sequence: A047418
Score: 9.94638
Type of gen. func.: ogf

$$\frac{x (2 x^4 + 2 x^3 + x^2 + x + 2)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047419
Score: 6.29205
Type of gen. func.: lgdogf

$$- \frac{2 x^9 + 6 x^8 + 7 x^7 + 9 x^6 + 11 x^5 + 21 x^4 + 12 x^3 + 6 x^2 + 4 x + 2}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (2 x^4 + x^2 + 1)}$$

Sequence: A047419
Score: 9.52744
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x^4 + x^2 + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047420
Score: 8.18718
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^8 + 2 x^6 + x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 1)}{(x - 1) (x^2 + x + 1) (x^2 - x + 1) (2 x^4 + x^2 + 1)}$$

Sequence: A047420
Score: 9.21253
Type of gen. func.: ogf

$$\frac{x (2 x^4 + x^2 + 1)}{(x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A047421
Score: 8.40938
Type of gen. func.: ogf

$$\frac{x (2 x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047422
Score: 5.03067
Type of gen. func.: lgdogf

$$- 2 (x^{11} + 2 x^{10} + 3 x^9 + 4 x^8 + 5 x^7 + 6 x^6 + 12 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1) \Big/ ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (2 x^6 + x^5 + x^4 + x^3 + x^2 + x + 1))$$

Sequence: A047422
Score: 8.73970
Type of gen. func.: ogf

$$\frac{2 x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A047423
Score: 5.92824
Type of gen. func.: lgdogf

$$- \frac{2 x^9 + 4 x^8 + 6 x^7 + 8 x^6 + 10 x^5 + 26 x^4 + 9 x^3 + 7 x^2 + 5 x + 3}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (2 x^4 - x^3 + 2 x^2 - x + 2)}$$

Sequence: A047423
Score: 9.62565
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x^4 - x^3 + 2 x^2 - x + 2)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047424
Score: 6.79399
Type of gen. func.: lgdogf

$$- \frac{4 x^8 - 3 x^7 + 9 x^6 - 6 x^5 + 14 x^4 - 2 x^3 + 6 x^2 - x + 3}{(x - 1) (x^2 + x + 1) (x^2 - x + 1) (2 x^4 - x^3 + 2 x^2 - x + 2)}$$

Sequence: A047424
Score: 7.70097
Type of gen. func.: ogf

$$\frac{x (2 x^4 - x^3 + 2 x^2 - x + 2)}{}$$

$$(x^2 + x + 1) (x^2 - x + 1) (x - 1)^2$$

Sequence: A047425
Score: 10.6126
Type of gen. func.: ogf

$$\frac{2 x^4 + x^3 + x^2 + x + 3}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047425
Score: 7.82608
Type of gen. func.: lgdogf

$$- \frac{2 (x^7 + 2 x^6 + 3 x^5 + 4 x^4 + 13 x^3 + 4 x^2 + 3 x + 2)}{(x - 1) (x + 1) (x^2 + 1) (2 x^4 + x^3 + x^2 + x + 3)}$$

Sequence: A047426
Score: 6.75085
Type of gen. func.: lgdogf

$$- \frac{4 x^8 + 5 x^7 + 7 x^6 + 9 x^5 + 23 x^4 + 14 x^3 + 8 x^2 + 6 x + 4}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (2 x^4 + x^3 + x^2 + x + 3)}$$

Sequence: A047426
Score: 9.99793
Type of gen. func.: ogf

$$\frac{x (2 x^4 + x^3 + x^2 + x + 3)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047427
Score: 6.00075
Type of gen. func.: lgdogf

$$-\frac{2x^9+4x^8+6x^7+8x^6+15x^5+21x^4+9x^3+7x^2+5x+3}{(x-1)(x^4+x^3+x^2+x+1)(2x^5+x^4+x^3+x^2+2x+1)}$$

Sequence: A047427
Score: 9.57654
Type of gen. func.: ogf

$$\frac{2x^5+x^4+x^3+x^2+2x+1}{(x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A047428
Score: 5.28205
Type of gen. func.: lgdogf

$$-(4x^{10}+5x^9+7x^8+9x^7+17x^6+14x^5+16x^4+9x^3+7x^2+5x+3) \Big/ ((x-1)(x+1)(x^2+x+1)(x^2-x+1)(2x^5+x^4+x^3+x^2+2x+1))$$

Sequence: A047428
Score: 9.21253
Type of gen. func.: ogf

$$\frac{x(2x^5+x^4+x^3+x^2+2x+1)}{(x+1)(x^2+x+1)(x^2-x+1)(x-1)^2}$$

Sequence: A047429
Score: 11.8190
Type of gen. func.: ogf

$$\frac{2x^3+x^2+x+4}{(x^2+x+1)(x-1)^2}$$

Sequence: A047429
Score: 4.88328
Type of gen. func.: ogf

$$\{(-8 n - 31) a(n + 1) - 8 a(n + 2) - 8 a(n + 3) + (8 n + 23) a(n + 4), a(0) = 4, a(1) = 5, a(2) = 6, a(3) = 12\}$$

Sequence: A047429
Score: 6.27313
Type of gen. func.: ogf

$$-(3600 f(x) + 39751) (f(x) x^4 - f(x) x^3 - 2 x^3 - f(x) x - x^2 + f(x) - x - 4)$$

Sequence: A047429
Score: 9.92031
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 4 x^4 + 6 x^3 + 24 x^2 + 7 x + 5}{(x - 1) (x^2 + x + 1) (2 x^3 + x^2 + x + 4)}$$

Sequence: A047430
Score: 11.0811
Type of gen. func.: ogf

$$\frac{x (2 x^3 + x^2 + x + 4)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047430
Score: 8.70012
Type of gen. func.: lgdogf

$$-\frac{4 x^6 + 5 x^5 + 7 x^4 + 24 x^3 + 12 x^2 + 7 x + 5}{(x - 1) (x + 1) (x^2 + 1) (2 x^3 + x^2 + x + 4)}$$

Sequence: A047431
Score: 10.5590
Type of gen. func.: ogf

$$\frac{2 x^{3} - x^{2} + 2 x + 1}{(x^{2} + 1) (x - 1)^{2}}$$

Sequence: A047431
Score: 11.8073
Type of gen. func.: lgdogf

$$- \frac{2 (x^{5} + 2 x^{3} + 4 x^{2} - x + 2)}{(x - 1) (x^{2} + 1) (2 x^{3} - x^{2} + 2 x + 1)}$$

Sequence: A047431
Score: 4.14819
Type of gen. func.: ogf

$$\{(-2 n - 7) a(n + 1) + (2 n + 5) a(n + 2) + (-2 n - 7) a(n + 3)$$
$$+ (2 n + 5) a(n + 4), a(0) = 1, a(1) = 4, a(2) = 5, a(3) = 6\}$$

Sequence: A047431
Score: 5.89163
Type of gen. func.: ogf

$$(8 f(x) + 99)$$
$$(f(x) x^{4} - 2 f(x) x^{3} + 2 f(x) x^{2} - 2 x^{3} - 2 f(x) x + x^{2} + f(x) - 2 x - 1)$$

Sequence: A047432
Score: 6.52492
Type of gen. func.: lgdogf

$$- \frac{4 x^{8} + 5 x^{7} + 7 x^{6} + 19 x^{5} + 13 x^{4} + 14 x^{3} + 8 x^{2} + 6 x + 4}{(x - 1) (x + 1) (2 x^{3} - x^{2} + 2 x + 1) (x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A047432
Score: 9.94638
Type of gen. func.: ogf

$$\frac{x (x + 1) (2 x^3 - x^2 + 2 x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047433
Score: 10.6126
Type of gen. func.: ogf

$$\frac{2 x^4 + x^3 + x^2 + 2 x + 2}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047433
Score: 7.64617
Type of gen. func.: lgdogf

$$- \frac{2 (x^7 + 2 x^6 + 3 x^5 + 6 x^4 + 11 x^3 + 4 x^2 + 3 x + 2)}{(x - 1) (x + 1) (x^2 + 1) (2 x^4 + x^3 + x^2 + 2 x + 2)}$$

Sequence: A047434
Score: 6.54628
Type of gen. func.: lgdogf

$$- \frac{4 x^8 + 5 x^7 + 7 x^6 + 14 x^5 + 18 x^4 + 14 x^3 + 8 x^2 + 6 x + 4}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (2 x^4 + x^3 + x^2 + 2 x + 2)}$$

Sequence: A047434
Score: 9.99793
Type of gen. func.: ogf

$$x (2 x^4 + x^3 + x^2 + 2 x + 2)$$

$$\frac{}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047435
Score: 5.83857
Type of gen. func.: lgdogf

$$- \frac{2 x^9 + 4 x^8 + 6 x^7 + 12 x^6 + 11 x^5 + 21 x^4 + 9 x^3 + 7 x^2 + 6 x + 2}{(x - 1) (x + 1) (x^2 - x + 1) (2 x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A047435
Score: 9.57654
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 - x + 1) (2 x^2 + x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047436
Score: 10.7251
Type of gen. func.: ogf

$$\frac{2 x^2 + x + 5}{(x + 1) (x - 1)^2}$$

Sequence: A047436
Score: 14.1944
Type of gen. func.: lgdogf

$$- \frac{2 (x^3 + 2 x^2 + 10 x + 3)}{(x - 1) (x + 1) (2 x^2 + x + 5)}$$

Sequence: A047436
Score: 5.36257
Type of gen. func.: ogf

$$-(5024 f(x) + 55035) (f(x) x^3 - f(x) x^2 - f(x) x - 2 x^2 + f(x) - x - 5)$$

Sequence: A047436
Score: 5.78967
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 5, a(1) = 6, a(2) = 13\}$$

Sequence: A047437
Score: 11.7126
Type of gen. func.: lgdogf

$$-\frac{4 x^4 + 5 x^3 + 23 x^2 + 10 x + 6}{(x - 1) (x^2 + x + 1) (2 x^2 + x + 5)}$$

Sequence: A047437
Score: 12.6610
Type of gen. func.: ogf

$$\frac{x (2 x^2 + x + 5)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047437
Score: 4.98765
Type of gen. func.: ogf

$$\{(-8 n - 27) a(n + 1) - 8 a(n + 2) - 8 a(n + 3) + (8 n + 19) a(n + 4), a(0) = 0,$$
$$a(1) = 5, a(2) = 6, a(3) = 8\}$$

Sequence: A047437
Score: 6.48003
Type of gen. func.: ogf

$$-(9808 f(x) + 101179) (f(x) x^4 - f(x) x^3 - 2 x^3 - f(x) x - x^2 + f(x) - 5 x)$$

Sequence: A047438
Score: 11.9863
Type of gen. func.: ogf

$$\frac{2 x^3 + x^2 + 4 x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047438
Score: 5.04303
Type of gen. func.: ogf

$\{(-2 n - 7) a(n + 1) - 2 a(n + 2) - 2 a(n + 3) + (2 n + 5) a(n + 4), a(0) = 1,$

$a(1) = 5, a(2) = 6, a(3) = 9\}$

Sequence: A047438
Score: 6.77916
Type of gen. func.: ogf

$$(81 f(x) + 284) (f(x) x^4 - f(x) x^3 - 2 x^3 - f(x) x - x^2 + f(x) - 4 x - 1)$$

Sequence: A047438
Score: 9.78964
Type of gen. func.: lgdogf

$$- \frac{(x + 1) (2 x^4 + 2 x^3 + 13 x^2 + 2 x + 5)}{(x - 1) (x^2 + x + 1) (2 x^3 + x^2 + 4 x + 1)}$$

Sequence: A047439
Score: 11.2375
Type of gen. func.: ogf

$$\frac{x (2 x^3 + x^2 + 4 x + 1)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047439
Score: 8.26829
Type of gen. func.: lgdogf

$$-\frac{4x^6+5x^5+19x^4+12x^3+12x^2+7x+5}{(x-1)(x+1)(x^2+1)(2x^3+x^2+4x+1)}$$

Sequence: A047440
Score: 12.0457
Type of gen. func.: ogf

$$\frac{2x^3+x^2+3x+2}{(x^2+x+1)(x-1)^2}$$

Sequence: A047440
Score: 4.97695
Type of gen. func.: ogf

$$\{(-8n-29)a(n+1)-8a(n+2)-8a(n+3)+(8n+21)a(n+4), a(0)=2, a(1)=5, a(2)=6, a(3)=10\}$$

Sequence: A047440
Score: 6.5445
Type of gen. func.: ogf

$$(17456 f(x)+60197)(f(x)x^4-f(x)x^3-2x^3-f(x)x-x^2+f(x)-3x-2)$$

Sequence: A047440
Score: 9.42483
Type of gen. func.: lgdogf

$$-\frac{2x^5+4x^4+12x^3+18x^2+7x+5}{(x-1)(x^2+x+1)(2x^3+x^2+3x+2)}$$

Sequence: A047441
Score: 11.2943
Type of gen. func.: ogf

$$\frac{x (2 x^3 + x^2 + 3 x + 2)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047441
Score: 8.31901
Type of gen. func.: lgdogf

$$- \frac{4 x^6 + 5 x^5 + 15 x^4 + 16 x^3 + 12 x^2 + 7 x + 5}{(x - 1) (x + 1) (x^2 + 1) (2 x^3 + x^2 + 3 x + 2)}$$

Sequence: A047442
Score: 10.1379
Type of gen. func.: ogf

$$\frac{x (x^2 + 1) (2 x^2 + x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047442
Score: 6.72466
Type of gen. func.: lgdogf

$$- \frac{4 x^8 + 5 x^7 + 15 x^6 + 11 x^5 + 13 x^4 + 14 x^3 + 8 x^2 + 8 x + 2}{(x - 1) (x^2 + 1) (2 x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A047443
Score: 12.0457
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x^2 - x + 3)}{{}^{2} \qquad\qquad {}^{2}}$$

$$(x + x + 1) (x - 1)$$

Sequence: A047443
Score: 4.97695
Type of gen. func.: ogf

$$\{(-4 n - 15) a(n + 1) - 4 a(n + 2) - 4 a(n + 3) + (4 n + 11) a(n + 4), a(0) = 3, a(1) = 5, a(2) = 6, a(3) = 11\}$$

Sequence: A047443
Score: 6.39348
Type of gen. func.: ogf

$$-(4124 f(x) + 31583) (f(x) x^4 - f(x) x^3 - 2 x^3 - f(x) x - x^2 + f(x) - 2 x - 3)$$

Sequence: A047443
Score: 9.56550
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 4 x^4 + 9 x^3 + 21 x^2 + 7 x + 5}{(x - 1) (x + 1) (x^2 + x + 1) (2 x^2 - x + 3)}$$

Sequence: A047444
Score: 11.2943
Type of gen. func.: ogf

$$\frac{x (2 x^2 - x + 3)}{(x^2 + 1) (x - 1)^2}$$

Sequence: A047444
Score: 12.4000
Type of gen. func.: lgdogf

$$-\frac{4 x^4 - 3 x^3 + 13 x^2 - 3 x + 5}{(x - 1) (x^2 + 1) (2 x^2 - x + 3)}$$

Sequence: A047444
Score: 4.18519
Type of gen. func.: ogf

$$\{(4 n + 13) a(n + 1) + (-4 n - 9) a(n + 2) + (4 n + 13) a(n + 3) + (-4 n - 9) a(n + 4), a(0) = 0, a(1) = 3, a(2) = 5, a(3) = 6\}$$

Sequence: A047444
Score: 5.80622
Type of gen. func.: ogf

$$-(176 f(x) + 1137)$$

$$(f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - 2 x^3 - 2 f(x) x + x^2 + f(x) - 3 x)$$

Sequence: A047445
Score: 10.7614
Type of gen. func.: ogf

$$\frac{2 x^4 + x^3 + 2 x^2 + 2 x + 1}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047445
Score: 7.30225
Type of gen. func.: lgdogf

$$-\frac{2 x^7 + 4 x^6 + 9 x^5 + 13 x^4 + 18 x^3 + 8 x^2 + 7 x + 3}{(x - 1) (x + 1) (x^2 + 1) (2 x^4 + x^3 + 2 x^2 + 2 x + 1)}$$

Sequence: A047446
Score: 10.1379
Type of gen. func.: ogf

$$\frac{x (2 x^4 + x^3 + 2 x^2 + 2 x + 1)}{}$$

4   3   2   2

(x + x + x + x + 1) (x - 1)

Sequence: A047446
Score: 6.46095
Type of gen. func.: lgdogf

$$-\frac{4x^8+5x^7+11x^6+15x^5+13x^4+14x^3+8x^2+7x+3}{(x-1)(x^4+x^3+x^2+x+1)(2x^4+x^3+2x^2+2x+1)}$$

Sequence: A047447
Score: 10.5590
Type of gen. func.: ogf

$$\frac{2x^4+x^3+2x^2+x+2}{(x^2+1)(x+1)(x-1)^2}$$

Sequence: A047447
Score: 7.60011
Type of gen. func.: lgdogf

$$-\frac{2x^7+4x^6+9x^5+9x^4+22x^3+8x^2+7x+3}{(x-1)(x+1)(x^2+1)(2x^4+x^3+2x^2+x+2)}$$

Sequence: A047448
Score: 6.48081
Type of gen. func.: lgdogf

$$-\frac{4x^8+5x^7+11x^6+10x^5+18x^4+14x^3+8x^2+7x+3}{(x-1)(x^4+x^3+x^2+x+1)(2x^4+x^3+2x^2+x+2)}$$

Sequence: A047448
Score: 9.94638
Type of gen. func.: ogf

$$\frac{x\,(2\,x^{4}+x^{3}+2\,x^{2}+x+2)}{(x^{4}+x^{3}+x^{2}+x+1)\,(x-1)^{2}}$$

Sequence: A047449
Score: 7.70860
Type of gen. func.: lgdogf

$$-\frac{2\,x^{9}+4\,x^{8}+9\,x^{7}+9\,x^{6}+11\,x^{5}+21\,x^{4}+9\,x^{3}+9\,x^{2}+4\,x+2}{(x-1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(2\,x^{5}+x^{4}+2\,x^{3}+x^{2}+x+1)}$$

Sequence: A047449
Score: 9.99232
Type of gen. func.: ogf

$$\frac{2\,x^{5}+x^{4}+2\,x^{3}+x^{2}+x+1}{(x^{4}+x^{3}+x^{2}+x+1)\,(x-1)^{2}}$$

Sequence: A047450
Score: 5.19821
Type of gen. func.: lgdogf

$$-(4\,x^{10}+5\,x^{9}+11\,x^{8}+10\,x^{7}+12\,x^{6}+14\,x^{5}+16\,x^{4}+9\,x^{3}+9\,x^{2}+4\,x+2) \Big/ ((x-1)\,(x+1)\,(x^{2}+x+1)\,(x^{2}-x+1)\,(2\,x^{5}+x^{4}+2\,x^{3}+x^{2}+x+1))$$

Sequence: A047450
Score: 9.21253
Type of gen. func.: ogf

$$\frac{x\,(2\,x^{5}+x^{4}+2\,x^{3}+x^{2}+x+1)}{(x+1)\,(x^{2}+x+1)\,(x^{2}-x+1)\,(x-1)^{2}}$$

Sequence: A047451
Score: 11.2740
Type of gen. func.: ogf

$$\frac{2 x (x + 3)}{(x + 1) (x - 1)^{2}}$$

Sequence: A047451
Score: 19.7189
Type of gen. func.: lgdogf

$$- \frac{2 (x^{2} + 5 x + 2)}{(x - 1) (x + 3) (x + 1)}$$

Sequence: A047451
Score: 5.78936
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 6, a(2) = 8\}$$

Sequence: A047451
Score: 7.6041
Type of gen. func.: ogf

$$(32 f(x) + 295) (f(x) x^{3} - f(x) x^{2} - f(x) x - 2 x^{2} + f(x) - 6 x)$$

Sequence: A047452
Score: 10.5982
Type of gen. func.: ogf

$$\frac{2 x^{2} + 5 x + 1}{(x + 1) (x - 1)^{2}}$$

Sequence: A047452
Score: 13.7175

Type of gen. func.: lgdogf

$$-\frac{2 (x^3 + 6 x^2 + 6 x + 3)}{(x - 1) (x + 1) (2 x^2 + 5 x + 1)}$$

Sequence: A047452
Score: 5.62166
Type of gen. func.: ogf

$$(160 f(x) - 493) (f(x) x^3 - f(x) x^2 - f(x) x - 2 x^2 + f(x) - 5 x - 1)$$

Sequence: A047452
Score: 5.77223
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 6, a(2) = 9\}$$

Sequence: A047453
Score: 10.0862
Type of gen. func.: ogf

$$\frac{x (4 x^4 + x^3 + x^2 + x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047453
Score: 6.79399
Type of gen. func.: lgdogf

$$-\frac{8 x^8 + 7 x^7 + 9 x^6 + 11 x^5 + 13 x^4 + 20 x^3 + 6 x^2 + 4 x + 2}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (4 x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A047454
Score: 10.7076
Type of gen. func.: ogf

$$\frac{4 x^4 + x^3 + x^2 + x + 1}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047454
Score: 7.50799
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^7 + 3 x^6 + 4 x^5 + 5 x^4 + 12 x^3 + 3 x^2 + 2 x + 1)}{(x - 1) (x + 1) (x^2 + 1) (4 x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A047455
Score: 11.9863
Type of gen. func.: ogf

$$\frac{4 x^3 + x^2 + x + 2}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047455
Score: 4.95244
Type of gen. func.: ogf

$\{(-8 n - 25) a(n + 1) - 8 a(n + 2) - 8 a(n + 3) + (8 n + 17) a(n + 4), a(0) = 2,$

$a(1) = 3, a(2) = 4, a(3) = 10\}$

Sequence: A047455
Score: 6.46139
Type of gen. func.: ogf

$$-(400 f(x) + 3559) (f(x) x^4 - f(x) x^3 - 4 x^3 - f(x) x - x^2 + f(x) - x - 2)$$

Sequence: A047455
Score: 9.79933
Type of gen. func.: lgdogf

5 4 3 2

$$-\frac{4 x + 6 x + 8 x + 22 x + 5 x + 3}{(x - 1) (x^{2} + x + 1) (4 x^{3} + x^{2} + x + 2)}$$

Sequence: A047456
Score: 11.2375
Type of gen. func.: ogf

$$\frac{x (4 x^{3} + x^{2} + x + 2)}{(x^{2} + 1) (x + 1) (x - 1)^{2}}$$

Sequence: A047456
Score: 8.59467
Type of gen. func.: lgdogf

$$-\frac{8 x^{6} + 7 x^{5} + 9 x^{4} + 16 x^{3} + 16 x^{2} + 5 x + 3}{(x - 1) (x + 1) (x^{2} + 1) (4 x^{3} + x^{2} + x + 2)}$$

Sequence: A047457
Score: 13.5210
Type of gen. func.: ogf

$$\frac{4 x^{2} + x + 3}{(x + 1) (x - 1)^{2}}$$

Sequence: A047457
Score: 17.5785
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^{3} + 3 x^{2} + 9 x + 2)}{(x - 1) (x + 1) (4 x^{2} + x + 3)}$$

Sequence: A047457
Score: 6.76051

Type of gen. func.: ogf

$$-(3872 f(x) + 35615) (f(x) x^3 - f(x) x^2 - f(x) x - 4 x^2 + f(x) - x - 3)$$

Sequence: A047457
Score: 7.29896
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 3, a(1) = 4, a(2) = 11\}$$

Sequence: A047458
Score: 11.6420
Type of gen. func.: lgdogf

$$-\frac{8 x^4 + 7 x^3 + 17 x^2 + 12 x + 4}{(x - 1) (x^2 + x + 1) (4 x^2 + x + 3)}$$

Sequence: A047458
Score: 12.5980
Type of gen. func.: ogf

$$\frac{x (4 x^2 + x + 3)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047458
Score: 4.96284
Type of gen. func.: ogf

$$\{(8 n + 23) a(n + 1) + 8 a(n + 2) + 8 a(n + 3) + (-8 n - 15) a(n + 4), a(0) = 0,$$

$$a(1) = 3, a(2) = 4, a(3) = 8\}$$

Sequence: A047458
Score: 6.71204
Type of gen. func.: ogf

$$(5296 f(x) + 15741) (f(x) x^4 - f(x) x^3 - 4 x^3 - f(x) x - x^2 + f(x) - 3 x)$$

Sequence: A047459
Score: 11.9270
Type of gen. func.: ogf

$$\frac{4 x^{3} + x^{2} + 2 x + 1}{(x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A047459
Score: 5.01806
Type of gen. func.: ogf

$$\{(n + 3) a(n + 1) + a(n + 2) + a(n + 3) + (-n - 2) a(n + 4), a(0) = 1, a(1) = 3, a(2) = 4, a(3) = 9\}$$

Sequence: A047459
Score: 6.4294
Type of gen. func.: ogf

$$-(431 f(x) + 2584) (f(x) x^{4} - f(x) x^{3} - 4 x^{3} - f(x) x - x^{2} + f(x) - 2 x - 1)$$

Sequence: A047459
Score: 9.58757
Type of gen. func.: lgdogf

$$- \frac{4 x^{5} + 6 x^{4} + 11 x^{3} + 19 x^{2} + 5 x + 3}{(x - 1) (x^{2} + x + 1) (4 x^{3} + x^{2} + 2 x + 1)}$$

Sequence: A047460
Score: 11.1808
Type of gen. func.: ogf

$$\frac{x (4 x^{3} + x^{2} + 2 x + 1)}{(x^{2} + 1) (x + 1) (x - 1)^{2}}$$

Sequence: A047460
Score: 8.21756
Type of gen. func.: lgdogf

$$-\frac{8 x^{6} + 7 x^{5} + 13 x^{4} + 12 x^{3} + 16 x^{2} + 5 x + 3}{(x - 1) (x + 1) (x^{2} + 1) (4 x^{3} + x^{2} + 2 x + 1)}$$

Sequence: A047461
Score: 14.1043
Type of gen. func.: ogf

$$\frac{4 x^{2} + 3 x + 1}{(x + 1) (x - 1)^{2}}$$

Sequence: A047461
Score: 17.5844
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^{3} + 5 x^{2} + 7 x + 2)}{(x - 1) (x + 1) (4 x^{2} + 3 x + 1)}$$

Sequence: A047461
Score: 7.4169
Type of gen. func.: ogf

$$(544 f(x) - 4141) (f(x) x^{3} - f(x) x^{2} - f(x) x - 4 x^{2} + f(x) - 3 x - 1)$$

Sequence: A047461
Score: 7.68179
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 4, a(2) = 9\}$$

Sequence: A047462
Score: 10.9831
Type of gen. func.: lgdogf

$$-\frac{8x^4+13x^3+11x^2+12x+4}{(x-1)(x^2+x+1)(4x^2+3x+1)}$$

Sequence: A047462
Score: 12.5350
Type of gen. func.: ogf

$$\frac{x(4x^2+3x+1)}{(x^2+x+1)(x-1)^2}$$

Sequence: A047462
Score: 4.93802
Type of gen. func.: ogf

$$\{(-8n-21)a(n+1)-8a(n+2)-8a(n+3)+(8n+13)a(n+4),\ a(0)=0,\ a(1)=1,\ a(2)=4,\ a(3)=8\}$$

Sequence: A047462
Score: 6.67848
Type of gen. func.: ogf

$$(2160f(x)-16751)(f(x)x^4-f(x)x^3-4x^3-f(x)x-3x^2+f(x)-x)$$

Sequence: A047463
Score: 14.1711
Type of gen. func.: ogf

$$\frac{2(2x^2+x+1)}{(x+1)(x-1)^2}$$

Sequence: A047463
Score: 19.2756
Type of gen. func.: lgdogf

$$-\frac{2\,(x^3+2\,x^2+4\,x+1)}{(x-1)\,(x+1)\,(2\,x^2+x+1)}$$

Sequence: A047463
Score: 7.58279
Type of gen. func.: ogf

$$(32\,f(x)+495)\,(f(x)\,x^3-f(x)\,x^2-f(x)\,x-4\,x^2+f(x)-2\,x-2)$$

Sequence: A047463
Score: 7.64989
Type of gen. func.: ogf

$$\{a(n+3)-a(n+2)-a(n+1)+a(n),\ a(0)=2,\ a(1)=4,\ a(2)=10\}$$

Sequence: A047464
Score: 12.0732
Type of gen. func.: lgdogf

$$-\frac{4\,x^4+5\,x^3+7\,x^2+6\,x+2}{(x-1)\,(x^2+x+1)\,(2\,x^2+x+1)}$$

Sequence: A047464
Score: 12.5980
Type of gen. func.: ogf

$$\frac{2\,x\,(2\,x^2+x+1)}{(x^2+x+1)\,(x-1)^2}$$

Sequence: A047464
Score: 4.99310
Type of gen. func.: ogf

$\{(-4 n - 11) a(n + 1) - 4 a(n + 2) - 4 a(n + 3) + (4 n + 7) a(n + 4), a(0) = 0,$

$a(1) = 2, a(2) = 4, a(3) = 8\}$

Sequence: A047464
Score: 7.05921
Type of gen. func.: ogf

$$(5 f(x) + 32) (f(x) x^4 - f(x) x^3 - 4 x^3 - f(x) x - 2 x^2 + f(x) - 2 x)$$

Sequence: A047465
Score: 11.9270
Type of gen. func.: ogf

$$\frac{4 x^3 + 2 x^2 + x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047465
Score: 6.28216
Type of gen. func.: ogf

$$-(7568 f(x) + 170959) (f(x) x^4 - f(x) x^3 - 4 x^3 - f(x) x - 2 x^2 + f(x) - x - 1)$$

Sequence: A047465
Score: 6.63679
Type of gen. func.: ogf

$\{-a(n + 4) + a(n + 3) + a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 9$

$\}$

Sequence: A047465
Score: 9.73067
Type of gen. func.: lgdogf

$$- \frac{4 x^5 + 8 x^4 + 9 x^3 + 19 x^2 + 6 x + 2}{{}^{2} \qquad {}^{3} \quad {}^{2}}$$

$$(x - 1) (x + x + 1) (4 x + 2 x + x + 1)$$

Sequence: A047466
Score: 11.1808
Type of gen. func.: ogf

$$\frac{x (4 x^3 + 2 x^2 + x + 1)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047466
Score: 8.32292
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^6 + 5 x^5 + 5 x^4 + 6 x^3 + 8 x^2 + 3 x + 1)}{(x - 1) (x + 1) (x^2 + 1) (4 x^3 + 2 x^2 + x + 1)}$$

Sequence: A047467
Score: 10.0259
Type of gen. func.: ogf

$$-f(x) x^3 + f(x) x^2 + f(x) x + 6 x^2 - f(x) + 2 x$$

Sequence: A047467
Score: 14.9510
Type of gen. func.: ogf

$$\frac{2 x (3 x + 1)}{(x + 1) (x - 1)^2}$$

Sequence: A047467
Score: 23.3326
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^2 + 3 x + 2)}{(x - 1) (3 x + 1) (x + 1)}$$

Sequence: A047467
Score: 7.67753
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 0, a(1) = 2, a(2) = 8\}$$

Sequence: A047468
Score: 14.0374
Type of gen. func.: ogf

$$\frac{6 x^{2} + x + 1}{(x + 1) (x - 1)^{2}}$$

Sequence: A047468
Score: 18.2603
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^{3} + 4 x^{2} + 8 x + 1)}{(x - 1) (x + 1) (6 x^{2} + x + 1)}$$

Sequence: A047468
Score: 7.01871
Type of gen. func.: ogf

$$-(2720 f(x) + 24547) (f(x) x^{3} - f(x) x^{2} - f(x) x - 6 x^{2} + f(x) - x - 1)$$

Sequence: A047468
Score: 7.64538
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 2, a(2) = 9\}$$

Sequence: A047469
Score: 11.2992

Type of gen. func.: lgdogf

$$-\frac{12 x^4 + 9 x^3 + 11 x^2 + 14 x + 2}{(x - 1) (x^2 + x + 1) (6 x^2 + x + 1)}$$

Sequence: A047469
Score: 12.4720
Type of gen. func.: ogf

$$\frac{x (6 x^2 + x + 1)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047469
Score: 4.91321
Type of gen. func.: ogf

{(8 n + 19) a(n + 1) + 8 a(n + 2) + 8 a(n + 3) + (-8 n - 11) a(n + 4), a(0) = 0,

a(1) = 1, a(2) = 2, a(3) = 8}

Sequence: A047469
Score: 6.64492
Type of gen. func.: ogf

$$-(80 f(x) + 683) (f(x) x^4 - f(x) x^3 - 6 x^3 - f(x) x - x^2 + f(x) - x)$$

Sequence: A047470
Score: 14.9510
Type of gen. func.: ogf

$$\frac{x (5 x + 3)}{(x + 1) (x - 1)^2}$$

Sequence: A047470
Score: 23.3326
Type of gen. func.: lgdogf

$$-\frac{2 (5 x^2 + 7 x + 4)}{(x - 1) (5 x + 3) (x + 1)}$$

Sequence: A047470
Score: 7.60898
Type of gen. func.: ogf

$$(608 f(x) - 3131) (f(x) x^3 - f(x) x^2 - f(x) x - 5 x^2 + f(x) - 3 x)$$

Sequence: A047470
Score: 7.67753
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 0, a(1) = 3, a(2) = 8}

Sequence: A047471
Score: 14.0374
Type of gen. func.: ogf

$$\frac{5 x^2 + 2 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A047471
Score: 17.8718
Type of gen. func.: lgdogf

$$-\frac{5 x^3 + 9 x^2 + 15 x + 3}{(x - 1) (x + 1) (5 x^2 + 2 x + 1)}$$

Sequence: A047471
Score: 7.51125
Type of gen. func.: ogf

$$(13 f(x) + 770) (f(x) x^3 - f(x) x^2 - f(x) x - 5 x^2 + f(x) - 2 x - 1)$$

Sequence: A047471
Score: 7.64538
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A047472
Score: 11.5009
Type of gen. func.: lgdogf

$$-\frac{(x + 1) (10 x^3 + x^2 + 10 x + 3)}{(x - 1) (x^2 + x + 1) (5 x^2 + 2 x + 1)}$$

Sequence: A047472
Score: 12.4720
Type of gen. func.: ogf

$$\frac{x (5 x^2 + 2 x + 1)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047472
Score: 4.97349
Type of gen. func.: ogf

$$\{(-2 n - 5) a(n + 1) - 2 a(n + 2) - 2 a(n + 3) + (2 n + 3) a(n + 4), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 8\}$$

Sequence: A047472
Score: 6.81244
Type of gen. func.: ogf

$$(76 f(x) + 2163) (f(x) x^4 - f(x) x^3 - 5 x^3 - f(x) x - 2 x^2 + f(x) - x)$$

Sequence: A047473

Score: 14.1043
Type of gen. func.: ogf

$$\frac{5x^2 + x + 2}{(x + 1)(x - 1)^2}$$

Sequence: A047473
Score: 18.7567
Type of gen. func.: lgdogf

$$-\frac{5x^3 + 7x^2 + 17x + 3}{(x - 1)(x + 1)(5x^2 + x + 2)}$$

Sequence: A047473
Score: 7.05213
Type of gen. func.: ogf

$$-(3296 f(x) + 29253) (f(x) x^3 - f(x) x^2 - f(x) x - 5 x^2 + f(x) - x - 2)$$

Sequence: A047473
Score: 7.61381
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 3, a(2) = 10\}$$

Sequence: A047474
Score: 11.3685
Type of gen. func.: lgdogf

$$-\frac{10x^4 + 8x^3 + 14x^2 + 13x + 3}{(x - 1)(x^2 + x + 1)(5x^2 + x + 2)}$$

Sequence: A047474
Score: 12.5350
Type of gen. func.: ogf

$$\frac{x (5 x^2 + x + 2)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047474
Score: 4.93802
Type of gen. func.: ogf

$$\{(8 n + 21) a(n + 1) + 8 a(n + 2) + 8 a(n + 3) + (-8 n - 13) a(n + 4), a(0) = 0, a(1) = 2, a(2) = 3, a(3) = 8\}$$

Sequence: A047474
Score: 6.36543
Type of gen. func.: ogf

$$-(24880 f(x) + 139477) (f(x) x^4 - f(x) x^3 - 5 x^3 - f(x) x - x^2 + f(x) - 2 x)$$

Sequence: A047475
Score: 11.8677
Type of gen. func.: ogf

$$\frac{5 x^3 + x^2 + x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047475
Score: 12.3460
Type of gen. func.: lgdogf

$$- \frac{5 x^5 + 7 x^4 + 9 x^3 + 21 x^2 + 4 x + 2}{(x - 1) (x^2 + x + 1) (5 x^3 + x^2 + x + 1)}$$

Sequence: A047475
Score: 4.96284
Type of gen. func.: ogf

$$\{(-4 n - 11) a(n + 1) - 4 a(n + 2) - 4 a(n + 3) + (4 n + 7) a(n + 4), a(0) = 1,$$
$$a(1) = 2, a(2) = 3, a(3) = 9\}$$

Sequence: A047475
Score: 6.39741
Type of gen. func.: ogf

$$-(300 f(x) + 2543) (f(x) x^4 - f(x) x^3 - 5 x^3 - f(x) x - x^2 + f(x) - x - 1)$$

Sequence: A047476
Score: 11.1240
Type of gen. func.: ogf

$$\frac{x (5 x^3 + x^2 + x + 1)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047476
Score: 8.48921
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^6 + 4 x^5 + 5 x^4 + 6 x^3 + 9 x^2 + 2 x + 1)}{(x - 1) (x + 1) (x^2 + 1) (5 x^3 + x^2 + x + 1)}$$

Sequence: A047477
Score: 11.9256
Type of gen. func.: lgdogf

$$- \frac{2 x^4 + 7 x^3 + 23 x^2 + 9 x + 7}{(x - 1) (x^2 + x + 1) (x^2 + 2 x + 5)}$$

Sequence: A047477
Score: 12.6610
Type of gen. func.: ogf

2

$$\frac{x (x + 2 x + 5)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047477
Score: 5.04885
Type of gen. func.: ogf

$\{(-2 n - 7) a(n + 1) - 2 a(n + 2) - 2 a(n + 3) + (2 n + 5) a(n + 4), a(0) = 0,$

$a(1) = 5, a(2) = 7, a(3) = 8\}$

Sequence: A047477
Score: 7.03387
Type of gen. func.: ogf

$$(2 f(x) + 203) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 2 x^2 + f(x) - 5 x)$$

Sequence: A047478
Score: 11.9863
Type of gen. func.: ogf

$$\frac{x^3 + 2 x^2 + 4 x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047478
Score: 4.98227
Type of gen. func.: ogf

$\{(8 n + 29) a(n + 1) + 8 a(n + 2) + 8 a(n + 3) + (-8 n - 21) a(n + 4), a(0) = 1,$

$a(1) = 5, a(2) = 7, a(3) = 9\}$

Sequence: A047478
Score: 6.51226
Type of gen. func.: ogf

$$-(208 f(x) - 277) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 2 x^2 + f(x) - 4 x - 1)$$

Sequence: A047478
Score: 9.93797
Type of gen. func.: lgdogf

$$- \frac{x^5 + 5 x^4 + 15 x^3 + 13 x^2 + 9 x + 5}{(x - 1) (x^2 + x + 1) (x^3 + 2 x^2 + 4 x + 1)}$$

Sequence: A047479
Score: 11.2375
Type of gen. func.: ogf

$$\frac{x (x^3 + 2 x^2 + 4 x + 1)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047479
Score: 8.26829
Type of gen. func.: lgdogf

$$- \frac{2 x^6 + 7 x^5 + 19 x^4 + 12 x^3 + 10 x^2 + 9 x + 5}{(x - 1) (x + 1) (x^2 + 1) (x^3 + 2 x^2 + 4 x + 1)}$$

Sequence: A047480
Score: 10.0139
Type of gen. func.: lgdogf

$$- \frac{x^5 + 5 x^4 + 12 x^3 + 16 x^2 + 9 x + 5}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 + x + 2)}$$

Sequence: A047480
Score: 12.0457
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + x + 2)}{}$$

$$(x^2 + x + 1) (x - 1)^2$$

Sequence: A047480
Score: 4.97695
Type of gen. func.: ogf

$$\{(-4 n - 15) a(n + 1) - 4 a(n + 2) - 4 a(n + 3) + (4 n + 11) a(n + 4), a(0) = 2,$$
$$a(1) = 5, a(2) = 7, a(3) = 10\}$$

Sequence: A047480
Score: 6.81272
Type of gen. func.: ogf

$$(188 f(x) + 39) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 2 x^2 + f(x) - 3 x - 2)$$

Sequence: A047481
Score: 11.2943
Type of gen. func.: ogf

$$\frac{x (x^2 + x + 2)}{(x^2 + 1) (x - 1)^2}$$

Sequence: A047481
Score: 13.6917
Type of gen. func.: lgdogf

$$- \frac{2 x^4 + 3 x^3 + 7 x^2 - x + 5}{(x - 1) (x^2 + 1) (x^2 + x + 2)}$$

Sequence: A047481
Score: 4.18519
Type of gen. func.: ogf

$$\{(4 n + 13) a(n + 1) + (-4 n - 9) a(n + 2) + (4 n + 13) a(n + 3)$$
$$+ (-4 n - 9) a(n + 4), a(0) = 0, a(1) = 2, a(2) = 5, a(3) = 7\}$$

Sequence: A047481
Score: 5.97452
Type of gen. func.: ogf

$$(176 f(x) + 1481)$$

$$(f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - x^3 - 2 f(x) x - x^2 + f(x) - 2 x)$$

Sequence: A047482
Score: 10.7614
Type of gen. func.: ogf

$$\frac{x^4 + 2 x^3 + 3 x^2 + x + 1}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047482
Score: 7.46821
Type of gen. func.: lgdogf

$$- \frac{x^7 + 5 x^6 + 12 x^5 + 10 x^4 + 15 x^3 + 11 x^2 + 8 x + 2}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 2 x^3 + 3 x^2 + x + 1)}$$

Sequence: A047483
Score: 6.52492
Type of gen. func.: lgdogf

$$- \frac{2 x^8 + 7 x^7 + 15 x^6 + 11 x^5 + 13 x^4 + 11 x^3 + 11 x^2 + 8 x + 2}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (x^4 + 2 x^3 + 3 x^2 + x + 1)}$$

Sequence: A047483
Score: 8.28575
Type of gen. func.: ogf

$$\frac{x (x^4 + 2 x^3 + 3 x^2 + x + 1)}{}$$

$$(x^4 + x^3 + x^2 + x + 1)(x - 1)^2$$

Sequence: A047484
Score: 12.0457
Type of gen. func.: ogf

$$\frac{x^3 + 2x^2 + 2x + 3}{(x^2 + x + 1)(x - 1)^2}$$

Sequence: A047484
Score: 4.97695
Type of gen. func.: ogf

$\{(8n + 31)\,a(n + 1) + 8\,a(n + 2) + 8\,a(n + 3) + (-8n - 23)\,a(n + 4),\ a(0) = 3,$

$a(1) = 5,\ a(2) = 7,\ a(3) = 11\}$

Sequence: A047484
Score: 6.81272
Type of gen. func.: ogf

$$(48 f(x) + 725)(f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 2x^2 + f(x) - 2x - 3)$$

Sequence: A047484
Score: 9.85982
Type of gen. func.: lgdogf

$$-\frac{x^5 + 5x^4 + 9x^3 + 19x^2 + 9x + 5}{(x - 1)(x^2 + x + 1)(x^3 + 2x^2 + 2x + 3)}$$

Sequence: A047485
Score: 11.2943
Type of gen. func.: ogf

$$\frac{x(x^3 + 2x^2 + 2x + 3)}{{}^{2}\qquad\qquad {}^{2}}$$

$$(x + 1) (x + 1) (x - 1)$$

Sequence: A047485
Score: 8.31901
Type of gen. func.: lgdogf

$$-\frac{2 x^6 + 7 x^5 + 11 x^4 + 20 x^3 + 10 x^2 + 9 x + 5}{(x - 1) (x + 1) (x^2 + 1) (x^3 + 2 x^2 + 2 x + 3)}$$

Sequence: A047486
Score: 18.0597
Type of gen. func.: ogf_with_Euler_transform]

$$[x^4 - x^3 - x + 3]$$

Sequence: A047486
Score: 8.03679
Type of gen. func.: lgdogf

$$-\frac{2 x^7 + 5 x^6 + 6 x^5 + 9 x^4 + 4 x^3 + 7 x^2 + 4 x + 3}{(x - 1) (x + 1) (x^2 + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A047486
Score: 8.28575
Type of gen. func.: ogf

$$\frac{x (x^2 + 1) (x + 1)^2}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047487
Score: 10.5590
Type of gen. func.: ogf

$$\frac{x^4 + 2 x^3 + 2 x^2 + x + 2}{}$$

$$(x^2 + 1) (x + 1) (x - 1)^2$$

Sequence: A047487
Score: 7.68848
Type of gen. func.: lgdogf

$$-\frac{x^7 + 5 x^6 + 9 x^5 + 9 x^4 + 19 x^3 + 11 x^2 + 7 x + 3}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 2 x^3 + 2 x^2 + x + 2)}$$

Sequence: A047488
Score: 6.41665
Type of gen. func.: lgdogf

$$-\frac{2 x^8 + 7 x^7 + 11 x^6 + 10 x^5 + 18 x^4 + 11 x^3 + 11 x^2 + 7 x + 3}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (x^4 + 2 x^3 + 2 x^2 + x + 2)}$$

Sequence: A047488
Score: 9.94638
Type of gen. func.: ogf

$$\frac{x (x^4 + 2 x^3 + 2 x^2 + x + 2)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047489
Score: 6.29205
Type of gen. func.: lgdogf

$$-\frac{x^9 + 5 x^8 + 9 x^7 + 9 x^6 + 11 x^5 + 17 x^4 + 13 x^3 + 9 x^2 + 4 x + 2}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A047489
Score: 7.81392
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + x^3 + x^2 + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047490
Score: 7.79731
Type of gen. func.: lgdogf

$$- \frac{2 x^8 + 3 x^7 + 3 x^6 + x^5 + 7 x^4 - x^3 + 7 x^2 + 2}{(x - 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + 1)}$$

Sequence: A047490
Score: 8.45273
Type of gen. func.: ogf

$$\frac{x (x^4 + x^3 + x^2 + 1)}{(x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A047491
Score: 10.2352
Type of gen. func.: lgdogf

$$- \frac{x^5 + 5 x^4 + 6 x^3 + 22 x^2 + 9 x + 5}{(x - 1) (x^2 + x + 1) (x^3 + 2 x^2 + x + 4)}$$

Sequence: A047491
Score: 11.8190
Type of gen. func.: ogf

$$\frac{x^3 + 2 x^2 + x + 4}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047491
Score: 4.94247
Type of gen. func.: ogf

$$\{(n + 4)\, a(n + 1) + a(n + 2) + a(n + 3) + (-n - 3)\, a(n + 4),\ a(0) = 4,\ a(1) = 5,\ a(2) = 7,\ a(3) = 12\}$$

Sequence: A047491
Score: 6.63014
Type of gen. func.: ogf

$$(49 f(x) + 1061) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 2 x^2 + f(x) - x - 4)$$

Sequence: A047492
Score: 11.0811
Type of gen. func.: ogf

$$\frac{x (x^3 + 2 x^2 + x + 4)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047492
Score: 8.70012
Type of gen. func.: lgdogf

$$- \frac{2 x^6 + 7 x^5 + 7 x^4 + 24 x^3 + 10 x^2 + 9 x + 5}{(x - 1) (x + 1) (x^2 + 1) (x^3 + 2 x^2 + x + 4)}$$

Sequence: A047493
Score: 10.5590
Type of gen. func.: ogf

$$\frac{x^4 + 2 x^3 + x^2 + 3 x + 1}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047493

Score: 7.60011
Type of gen. func.: lgdogf

$$-\frac{x^7 + 5 x^6 + 6 x^5 + 16 x^4 + 15 x^3 + 11 x^2 + 6 x + 4}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 2 x^3 + x^2 + 3 x + 1)}$$

Sequence: A047494
Score: 6.59017
Type of gen. func.: lgdogf

$$-\frac{2 x^8 + 7 x^7 + 7 x^6 + 19 x^5 + 13 x^4 + 11 x^3 + 11 x^2 + 6 x + 4}{(x - 1) (x^4 + 2 x^3 + x^2 + 3 x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A047494
Score: 9.94638
Type of gen. func.: ogf

$$\frac{x (x^4 + 2 x^3 + x^2 + 3 x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047495
Score: 11.1941
Type of gen. func.: ogf

$$\frac{x^3 + x^2 + 2}{(x^2 + 1) (x - 1)^2}$$

Sequence: A047495
Score: 12.0949
Type of gen. func.: lgdogf

$$-\frac{x^5 + 3 x^4 - x^3 + 11 x^2 - 2 x + 4}{(x - 1) (x^2 + 1) (x^3 + x^2 + 2)}$$

Sequence: A047495
Score: 5.96476
Type of gen. func.: ogf

$$(208 f(x) + 579)$$

$$(f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - x^3 - 2 f(x) x - x^2 + f(x) - 2)$$

Sequence: A047496
Score: 6.75085
Type of gen. func.: lgdogf

$$- \frac{2 x^8 + 7 x^7 + 7 x^6 + 14 x^5 + 18 x^4 + 11 x^3 + 11 x^2 + 6 x + 4}{(x - 1) (x + 1) (x^3 + x^2 + 2) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A047496
Score: 9.99793
Type of gen. func.: ogf

$$\frac{x (x + 1) (x^3 + x^2 + 2)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047497
Score: 6.00075
Type of gen. func.: lgdogf

$$- \frac{x^9 + 5 x^8 + 6 x^7 + 12 x^6 + 11 x^5 + 17 x^4 + 13 x^3 + 7 x^2 + 6 x + 2}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (x^5 + 2 x^4 + x^3 + 2 x^2 + x + 1)}$$

Sequence: A047497
Score: 9.57654
Type of gen. func.: ogf

```
 5      4    3      2
x  + 2 x  + x  + 2 x  + x + 1
-------------------------------
 4    3    2                  2
```

$$(x + x + x + x + 1) (x - 1)$$

Sequence: A047498
Score: 5.64633
Type of gen. func.: lgdogf

$$-\frac{(x^2 + 1) (2 x^8 + 7 x^7 + 5 x^6 + 7 x^5 + 7 x^4 + 7 x^3 + 5 x^2 + 6 x + 2)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^5 + 2 x^4 + x^3 + 2 x^2 + x + 1)}$$

Sequence: A047498
Score: 9.21253
Type of gen. func.: ogf

$$\frac{x (x^5 + 2 x^4 + x^3 + 2 x^2 + x + 1)}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A047499
Score: 10.6126
Type of gen. func.: ogf

$$\frac{x^4 + 2 x^3 + x^2 + x + 3}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047499
Score: 7.91925
Type of gen. func.: lgdogf

$$-\frac{x^7 + 5 x^6 + 6 x^5 + 8 x^4 + 23 x^3 + 11 x^2 + 6 x + 4}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 2 x^3 + x^2 + x + 3)}$$

Sequence: A047500
Score: 6.68125
Type of gen. func.: lgdogf

$$-\frac{2x^8+7x^7+7x^6+9x^5+23x^4+11x^3+11x^2+6x+4}{(x-1)(x^4+x^3+x^2+x+1)(x^4+2x^3+x^2+x+3)}$$

Sequence: A047500
Score: 9.99793
Type of gen. func.: ogf

$$\frac{x(x^4+2x^3+x^2+x+3)}{(x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A047501
Score: 16.1270
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5+x^4+x^2-2x+3$$

Sequence: A047501
Score: 7.81392
Type of gen. func.: ogf

$$\frac{(x^2-x+1)(x+1)^3}{(x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A047501
Score: 8.30874
Type of gen. func.: lgdogf

$$-\frac{x^7+3x^6-x^5+7x^4+2x^3+6x^2-x+3}{(x-1)(x+1)(x^2-x+1)(x^4+x^3+x^2+x+1)}$$

Sequence: A047502
Score: 6.21054
Type of gen. func.: lgdogf

$$-\frac{x^9+5x^8+6x^7+8x^6+10x^5+22x^4+13x^3+7x^2+5x+3}{(x-1)(x^4+x^3+x^2+x+1)(x^5+2x^4+x^3+x^2+x+2)}$$

Sequence: A047502
Score: 9.62565
Type of gen. func.: ogf

$$\frac{x^5+2x^4+x^3+x^2+x+2}{(x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A047503
Score: 5.35786
Type of gen. func.: lgdogf

$$-(2x^{10}+7x^9+7x^8+9x^7+11x^6+20x^5+12x^4+13x^3+7x^2+5x+3) \Big/ ((x-1)(x+1)(x^2+x+1)(x^2-x+1)(x^5+2x^4+x^3+x^2+x+2))$$

Sequence: A047503
Score: 9.08542
Type of gen. func.: ogf

$$\frac{x(x^5+2x^4+x^3+x^2+x+2)}{(x+1)(x^2+x+1)(x^2-x+1)(x-1)^2}$$

Sequence: A047504
Score: 7.75314
Type of gen. func.: lgdogf

$$-\frac{x^9+3x^8-x^7+7x^6-3x^5+11x^4+4x^2+2}{(x-1)(x^2+x+1)(x^2-x+1)(x^5+x^4+x^2+1)}$$

Sequence: A047504
Score: 8.37930
Type of gen. func.: ogf

$$\frac{x^5 + x^4 + x^2 + 1}{(x^2 + x + 1)\,(x^2 - x + 1)\,(x - 1)^2}$$

Sequence: A047505
Score: 5.50398
Type of gen. func.: lgdogf

$$-\frac{2\,(x^{10} + 2\,x^9 + 7\,x^8 + 5\,x^7 + 6\,x^6 + 7\,x^5 + 6\,x^4 + 5\,x^3 + 6\,x^2 + 2\,x + 1)}{(x - 1)\,(x + 1)\,(x^2 + x + 1)\,(x^2 - x + 1)\,(x^5 + x^4 + 3\,x^3 + x^2 + x + 1)}$$

Sequence: A047505
Score: 9.21253
Type of gen. func.: ogf

$$\frac{x\,(x^5 + x^4 + 3\,x^3 + x^2 + x + 1)}{(x + 1)\,(x^2 + x + 1)\,(x^2 - x + 1)\,(x - 1)^2}$$

Sequence: A047506
Score: 10.2352
Type of gen. func.: lgdogf

$$-\frac{x^5 + 3\,x^4 + 8\,x^3 + 22\,x^2 + 8\,x + 6}{(x - 1)\,(x^2 + x + 1)\,(x^3 + x^2 + 2\,x + 4)}$$

Sequence: A047506
Score: 11.8190
Type of gen. func.: ogf

$$x^3 + x^2 + 2\,x + 4$$

$$\overline{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047506
Score: 4.88328
Type of gen. func.: ogf

$$\{(-8 n - 33) a(n + 1) - 8 a(n + 2) - 8 a(n + 3) + (8 n + 25) a(n + 4), a(0) = 4, a(1) = 6, a(2) = 7, a(3) = 12\}$$

Sequence: A047506
Score: 6.27313
Type of gen. func.: ogf

$$-(1552 f(x) + 13919) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - x^2 + f(x) - 2 x - 4)$$

Sequence: A047507
Score: 11.0811
Type of gen. func.: ogf

$$\frac{x (x^3 + x^2 + 2 x + 4)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047507
Score: 8.81613
Type of gen. func.: lgdogf

$$- \frac{2 (x^6 + 2 x^5 + 5 x^4 + 12 x^3 + 5 x^2 + 4 x + 3)}{(x - 1) (x + 1) (x^2 + 1) (x^3 + x^2 + 2 x + 4)}$$

Sequence: A047508
Score: 11.7833
Type of gen. func.: ogf

$$\underline{x^3 + 2 x + 1}$$

$$(x^2 + 1) (x - 1)^2$$

Sequence: A047508
Score: 13.2242
Type of gen. func.: lgdogf

$$- \frac{x^5 + x^4 + 5 x^3 + 5 x^2 + 4}{(x - 1) (x^2 + 1) (x^3 + 2 x + 1)}$$

Sequence: A047508
Score: 6.0675
Type of gen. func.: ogf

$$(208 f(x) + 1691)$$

$$(f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - x^3 - 2 f(x) x + f(x) - 2 x - 1)$$

Sequence: A047509
Score: 10.1896
Type of gen. func.: ogf

$$\frac{x (x + 1) (x^3 + 2 x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047509
Score: 6.86476
Type of gen. func.: lgdogf

$$- \frac{2 x^8 + 4 x^7 + 10 x^6 + 19 x^5 + 13 x^4 + 11 x^3 + 9 x^2 + 8 x + 4}{(x - 1) (x + 1) (x^3 + 2 x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A047510
Score: 10.6126
Type of gen. func.: ogf

$$\frac{x^4 + x^3 + 2 x^2 + 2 x + 2}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047510
Score: 7.73508
Type of gen. func.: lgdogf

$$- \frac{x^7 + 3 x^6 + 8 x^5 + 12 x^4 + 19 x^3 + 9 x^2 + 8 x + 4}{(x - 1) (x + 1) (x^2 + 1) (x^4 + x^3 + 2 x^2 + 2 x + 2)}$$

Sequence: A047511
Score: 6.48081
Type of gen. func.: lgdogf

$$- \frac{2 x^8 + 4 x^7 + 10 x^6 + 14 x^5 + 18 x^4 + 11 x^3 + 9 x^2 + 8 x + 4}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (x^4 + x^3 + 2 x^2 + 2 x + 2)}$$

Sequence: A047511
Score: 9.99793
Type of gen. func.: ogf

$$\frac{x (x^4 + x^3 + 2 x^2 + 2 x + 2)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047512
Score: 21.9184
Type of gen. func.: ogf_with_Euler_transform]

$$[x^4 - 2 x^3 + x + 2]$$

Sequence: A047512
Score: 8.10102
Type of gen. func.: lgdogf

$$-\frac{x^7 + 3x^6 + 7x^5 + 9x^4 + 4x^3 + 8x^2 + 6x + 2}{(x - 1)(x + 1)(x^2 + 1)(x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A047512
Score: 9.57654
Type of gen. func.: ogf

$$\frac{(x + 1)(x^2 + 1)^2}{(x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A047513
Score: 10.9162
Type of gen. func.: lgdogf

$$-\frac{2(x^6 + 3x^4 - x^3 + x^2 + x + 1)}{(x - 1)(x^2 + 1)(x^2 + x + 1)(x^2 - x + 1)}$$

Sequence: A047513
Score: 22.0806
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5 - 2x^3 + x + 2]$$

Sequence: A047513
Score: 9.21253
Type of gen. func.: ogf

$$\frac{x(x^2 + 1)^2}{(x^2 + x + 1)(x^2 - x + 1)(x - 1)^2}$$

Sequence: A047514
Score: 10.6126
Type of gen. func.: ogf

$$\frac{x^4 + x^3 + 2 x^2 + x + 3}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047514
Score: 8.01466
Type of gen. func.: lgdogf

$$- \frac{x^7 + 3 x^6 + 8 x^5 + 8 x^4 + 23 x^3 + 9 x^2 + 8 x + 4}{(x - 1) (x + 1) (x^2 + 1) (x^4 + x^3 + 2 x^2 + x + 3)}$$

Sequence: A047515
Score: 6.68125
Type of gen. func.: lgdogf

$$- \frac{2 x^8 + 4 x^7 + 10 x^6 + 9 x^5 + 23 x^4 + 11 x^3 + 9 x^2 + 8 x + 4}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (x^4 + x^3 + 2 x^2 + x + 3)}$$

Sequence: A047515
Score: 8.15009
Type of gen. func.: ogf

$$\frac{x (x^4 + x^3 + 2 x^2 + x + 3)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047516
Score: 6.00075
Type of gen. func.: lgdogf

$$- \frac{x^9 + 3 x^8 + 8 x^7 + 8 x^6 + 15 x^5 + 17 x^4 + 10 x^3 + 10 x^2 + 5 x + 3}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (x^5 + x^4 + 2 x^3 + x^2 + 2 x + 1)}$$

Sequence: A047516
Score: 9.80871
Type of gen. func.: ogf

$$\frac{x^5+x^4+2x^3+x^2+2x+1}{(x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A047517
Score: 5.15728
Type of gen. func.: lgdogf

$$-(2x^{10}+4x^9+10x^8+9x^7+17x^6+14x^5+12x^4+10x^3+10x^2+5x+3) \Big/ ((x-1)(x+1)(x^2+x+1)(x^2-x+1)(x^5+x^4+2x^3+x^2+2x+1))$$

Sequence: A047517
Score: 9.38722
Type of gen. func.: ogf

$$\frac{x(x^5+x^4+2x^3+x^2+2x+1)}{(x+1)(x^2+x+1)(x^2-x+1)(x-1)^2}$$

Sequence: A047518
Score: 6.03803
Type of gen. func.: lgdogf

$$-\frac{x^9+3x^8+8x^7+8x^6+10x^5+22x^4+10x^3+10x^2+5x+3}{(x-1)(x+1)(x^2-x+1)(x^2+x+2)(x^4+x^3+x^2+x+1)}$$

Sequence: A047518
Score: 7.86127
Type of gen. func.: ogf

2 2

$$\frac{(x + 1) (x - x + 1) (x + x + 2)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047519
Score: 8.73970
Type of gen. func.: ogf

$$\frac{x^6 + x^5 + 2 x^4 + x^3 + x^2 + x + 1}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A047520
Score: 10.4129
Type of gen. func.: ogf

$$\frac{x (x + 1)}{(2 x - 1) (x - 1)^3}$$

Sequence: A047520
Score: 20.2011
Type of gen. func.: lgdogf

$$- \frac{6 (x^2 + x - 1)}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A047520
Score: 3.43573
Type of gen. func.: ogf

$\{(n + 3) a(n + 4) + (-10 - 2 n) a(n + 3) + (5 - n) a(n + 2)$

$+ (6 + 2 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 6, a(3) = 21\}$

Sequence: A047520
Score: 5.05103
Type of gen. func.: ogf

$-(1544 f(x) + 865)$

$$(2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 - 5 f(x) x - x^2 + f(x) - x)$$

Sequence: A047521
Score: 15.0225
Type of gen. func.: ogf

$$\frac{x (x + 7)}{(x + 1) (x - 1)^2}$$

Sequence: A047521
Score: 25.5773
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 + 11 x + 4)}{(x - 1) (x + 7) (x + 1)}$$

Sequence: A047521
Score: 7.25663
Type of gen. func.: ogf

$$-(3872 f(x) + 29807) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - 7 x)$$

Sequence: A047521
Score: 7.71426
Type of gen. func.: ogf

{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 7, a(2) = 8}

Sequence: A047522
Score: 14.1043
Type of gen. func.: ogf

$$\frac{x^2 + 6 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A047522
Score: 19.1830
Type of gen. func.: lgdogf

$$-\frac{x^3 + 13 x^2 + 11 x + 7}{(x - 1) (x + 1) (x^2 + 6 x + 1)}$$

Sequence: A047522
Score: 7.68179
Type of gen. func.: ogf

$$(5 f(x) + 52) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - 6 x - 1)$$

Sequence: A047522
Score: 7.68179
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 7, a(2) = 9\}$$

Sequence: A047523
Score: 11.5715
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 19 x^3 + 11 x^2 + 9 x + 7}{(x - 1) (x^2 + x + 1) (x^2 + 6 x + 1)}$$

Sequence: A047523
Score: 12.5350
Type of gen. func.: ogf

$$\frac{x (x^2 + 6 x + 1)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047523
Score: 4.99861
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 1) - a(n + 2) - a(n + 3) + (n + 2) a(n + 4), a(0) = 0, a(1) = 1, a(2) = 7, a(3) = 8\}$$

Sequence: A047523
Score: 6.67848
Type of gen. func.: ogf

$$-(21 f(x) + 137) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 6 x^2 + f(x) - x)$$

Sequence: A047524
Score: 14.1711
Type of gen. func.: ogf

$$\frac{x^2 + 5 x + 2}{(x + 1) (x - 1)^2}$$

Sequence: A047524
Score: 19.2756
Type of gen. func.: lgdogf

$$-\frac{x^3 + 11 x^2 + 13 x + 7}{(x - 1) (x + 1) (x^2 + 5 x + 2)}$$

Sequence: A047524
Score: 7.20365
Type of gen. func.: ogf

$$-(416 f(x) - 2937) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - 5 x - 2)$$

Sequence: A047524
Score: 7.64989
Type of gen. func.: ogf

$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 2, a(1) = 7, a(2) = 10\}$

Sequence: A047525
Score: 11.6420
Type of gen. func.: lgdogf

$$-\frac{2x^4 + 16x^3 + 14x^2 + 9x + 7}{(x - 1)(x^2 + x + 1)(x^2 + 5x + 2)}$$

Sequence: A047525
Score: 11.9939
Type of gen. func.: ogf

$$\frac{x(x^2 + 5x + 2)}{(x^2 + x + 1)(x - 1)^2}$$

Sequence: A047525
Score: 4.72487
Type of gen. func.: ogf

$\{(-8n - 25)a(n + 1) - 8a(n + 2) - 8a(n + 3) + (8n + 17)a(n + 4), a(0) = 0,$

$a(1) = 2, a(2) = 7, a(3) = 8\}$

Sequence: A047525
Score: 6.13862
Type of gen. func.: ogf

$$-(13136 f(x) + 62587)(f(x)x^4 - f(x)x^3 - x^3 - f(x)x - 5x^2 + f(x) - 2x)$$

Sequence: A047526
Score: 10.0301
Type of gen. func.: lgdogf

$$-\frac{x^5 + 11x^4 + 9x^3 + 13x^2 + 12x + 2}{{}^{2}\qquad\qquad{}^{3}\qquad{}^{2}}$$

$$(x - 1) (x + x + 1) (x + 5 x + x + 1)$$

Sequence: A047526
Score: 11.9270
Type of gen. func.: ogf

$$\frac{x^3 + 5 x^2 + x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047526
Score: 4.98765
Type of gen. func.: ogf

$$\{(4 n + 13) a(n + 1) + 4 a(n + 2) + 4 a(n + 3) + (-4 n - 9) a(n + 4), a(0) = 1,$$
$$a(1) = 2, a(2) = 7, a(3) = 9\}$$

Sequence: A047526
Score: 6.53145
Type of gen. func.: ogf

$$(3844 f(x) + 26657) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 5 x^2 + f(x) - x - 1)$$

Sequence: A047527
Score: 10.3327
Type of gen. func.: lgdogf

$$- \frac{2 (x^6 + 8 x^5 + 5 x^4 + 6 x^3 + 5 x^2 + 6 x + 1)}{(x - 1) (x + 1) (x^2 + 1) (x^3 + 5 x^2 + x + 1)}$$

Sequence: A047527
Score: 10.6432
Type of gen. func.: ogf

$$\frac{x (x^3 + 5 x^2 + x + 1)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047528
Score: 11.6420
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 13 x^3 + 17 x^2 + 9 x + 7}{(x - 1) (x + 3) (x + 1) (x^2 + x + 1)}$$

Sequence: A047528
Score: 12.5980
Type of gen. func.: ogf

$$\frac{x (x + 3) (x + 1)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047528
Score: 4.99310
Type of gen. func.: ogf

$$\{(-4 n - 13) a(n + 1) - 4 a(n + 2) - 4 a(n + 3) + (4 n + 9) a(n + 4), a(0) = 0,$$
$$a(1) = 3, a(2) = 7, a(3) = 8\}$$

Sequence: A047528
Score: 6.60378
Type of gen. func.: ogf

$$-(524 f(x) + 2063) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 4 x^2 + f(x) - 3 x)$$

Sequence: A047529
Score: 11.9270
Type of gen. func.: ogf

$$\frac{x^3 + 4 x^2 + 2 x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047529
Score: 4.95760
Type of gen. func.: ogf

$$\{(8 n + 27) a(n + 1) + 8 a(n + 2) + 8 a(n + 3) + (-8 n - 19) a(n + 4), a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 9\}$$

Sequence: A047529
Score: 6.4294
Type of gen. func.: ogf

$$-(464 f(x) + 1411) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 4 x^2 + f(x) - 2 x - 1)$$

Sequence: A047529
Score: 9.73067
Type of gen. func.: lgdogf

$$-\frac{x^5 + 9 x^4 + 11 x^3 + 13 x^2 + 11 x + 3}{(x - 1) (x^2 + x + 1) (x^3 + 4 x^2 + 2 x + 1)}$$

Sequence: A047530
Score: 11.1808
Type of gen. func.: ogf

$$\frac{x (x^3 + 4 x^2 + 2 x + 1)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047530
Score: 8.01466
Type of gen. func.: lgdogf

$$-\frac{2 x^6 + 13 x^5 + 13 x^4 + 12 x^3 + 10 x^2 + 11 x + 3}{(x - 1) (x + 1) (x^2 + 1) (x^3 + 4 x^2 + 2 x + 1)}$$

Sequence: A047531
Score: 11.9863
Type of gen. func.: ogf

$$\frac{x^3 + 4 x^2 + x + 2}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047531
Score: 5.01247
Type of gen. func.: ogf

$\{(2 n + 7) a(n + 1) + 2 a(n + 2) + 2 a(n + 3) + (-2 n - 5) a(n + 4), a(0) = 2,$

$a(1) = 3, a(2) = 7, a(3) = 10\}$

Sequence: A047531
Score: 6.72405
Type of gen. func.: ogf

$$(34 f(x) + 1249) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 4 x^2 + f(x) - x - 2)$$

Sequence: A047531
Score: 9.95244
Type of gen. func.: lgdogf

$$- \frac{x^5 + 9 x^4 + 8 x^3 + 16 x^2 + 11 x + 3}{(x - 1) (x^2 + x + 1) (x^3 + 4 x^2 + x + 2)}$$

Sequence: A047532
Score: 11.2375
Type of gen. func.: ogf

$$\frac{x (x^3 + 4 x^2 + x + 2)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047532
Score: 8.37429
Type of gen. func.: lgdogf

$$-\frac{2x^6+13x^5+9x^4+16x^3+10x^2+11x+3}{(x-1)(x+1)(x^2+1)(x^3+4x^2+x+2)}$$

Sequence: A047533
Score: 10.7076
Type of gen. func.: ogf

$$\frac{x^4+4x^3+x^2+x+1}{(x^2+1)(x+1)(x-1)^2}$$

Sequence: A047533
Score: 7.68464
Type of gen. func.: lgdogf

$$-\frac{x^7+9x^6+8x^5+10x^4+15x^3+15x^2+4x+2}{(x-1)(x+1)(x^2+1)(x^4+4x^3+x^2+x+1)}$$

Sequence: A047534
Score: 6.65674
Type of gen. func.: lgdogf

$$-\frac{2x^8+13x^7+9x^6+11x^5+13x^4+11x^3+15x^2+4x+2}{(x-1)(x^4+x^3+x^2+x+1)(x^4+4x^3+x^2+x+1)}$$

Sequence: A047534
Score: 8.28575
Type of gen. func.: ogf

$$\frac{x(x^4+4x^3+x^2+x+1)}{(x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A047535
Score: 13.9120
Type of gen. func.: ogf

$$\frac{x^2 + 3 x + 4}{(x + 1) (x - 1)^2}$$

Sequence: A047535
Score: 19.3579
Type of gen. func.: lgdogf

$$-\frac{x^3 + 7 x^2 + 17 x + 7}{(x - 1) (x + 1) (x^2 + 3 x + 4)}$$

Sequence: A047535
Score: 7.3158
Type of gen. func.: ogf

$$(352 f(x) - 8467) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - 3 x - 4)$$

Sequence: A047535
Score: 7.51002
Type of gen. func.: ogf

$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 4, a(1) = 7, a(2) = 12\}$

Sequence: A047536
Score: 11.7126
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 10 x^3 + 20 x^2 + 9 x + 7}{(x - 1) (x^2 + x + 1) (x^2 + 3 x + 4)}$$

Sequence: A047536
Score: 12.6610
Type of gen. func.: ogf

$$\frac{x (x^2 + 3 x + 4)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047536
Score: 4.98765
Type of gen. func.: ogf

{(-8 n - 27) a(n + 1) - 8 a(n + 2) - 8 a(n + 3) + (8 n + 19) a(n + 4), a(0) = 0,

a(1) = 4, a(2) = 7, a(3) = 8}

Sequence: A047536
Score: 6.85803
Type of gen. func.: ogf

$$(272 f(x) - 9793) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 3 x^2 + f(x) - 4 x)$$

Sequence: A047537
Score: 11.9863
Type of gen. func.: ogf

$$\frac{(x + 1)^3}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047537
Score: 16.3976
Type of gen. func.: lgdogf

$$- \frac{x^3 + 5 x^2 + 2 x + 4}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A047537
Score: 32.9465
Type of gen. func.: ogf_with_Euler_transform]

$$x^2 - 3 x + 4$$

Sequence: A047537
Score: 5.04303
Type of gen. func.: ogf

$\{(2 n + 7) a(n + 1) + 2 a(n + 2) + 2 a(n + 3) + (-2 n - 5) a(n + 4), a(0) = 1,$

$a(1) = 4, a(2) = 7, a(3) = 9\}$

Sequence: A047537
Score: 6.72405
Type of gen. func.: ogf

$$-(f(x) + 7) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 3 x^2 + f(x) - 3 x - 1)$$

Sequence: A047538
Score: 11.2375
Type of gen. func.: ogf

$$\frac{x (x + 1)^2}{(x^2 + 1) (x - 1)^2}$$

Sequence: A047538
Score: 17.1893
Type of gen. func.: lgdogf

$$- \frac{2 (x^3 + 2 x^2 - x + 2)}{(x^2 + 1) (x - 1) (x + 1)}$$

Sequence: A047538
Score: 28.1783
Type of gen. func.: ogf_with_Euler_transform]

$$[x^3 - 3 x + 4]$$

Sequence: A047538
Score: 4.20687
Type of gen. func.: ogf

$\{(n + 3) a(n + 1) + (-n - 2) a(n + 2) + (n + 3) a(n + 3) + (-n - 2) a(n + 4),$

$a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 7\}$

Sequence: A047538
Score: 5.9445
Type of gen. func.: ogf

$-(2 f(x) + 59)$

$(f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - x^3 - 2 f(x) x - 2 x^2 + f(x) - x)$

Sequence: A047539
Score: 12.0457
Type of gen. func.: ogf

$$\frac{x^3 + 3 x^2 + 2 x + 2}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047539
Score: 4.97695
Type of gen. func.: ogf

$\{(8 n + 29) a(n + 1) + 8 a(n + 2) + 8 a(n + 3) + (-8 n - 21) a(n + 4), a(0) = 2,$

$a(1) = 4, a(2) = 7, a(3) = 10\}$

Sequence: A047539
Score: 6.5445
Type of gen. func.: ogf

$$-(112 f(x) - 239) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 3 x^2 + f(x) - 2 x - 2)$$

Sequence: A047539
Score: 9.56550
Type of gen. func.: lgdogf

$$-\frac{x^5 + 7 x^4 + 10 x^3 + 16 x^2 + 10 x + 4}{(x - 1) (x^2 + x + 1) (x^3 + 3 x^2 + 2 x + 2)}$$

Sequence: A047540
Score: 11.2943
Type of gen. func.: ogf

$$\frac{x (x^3 + 3 x^2 + 2 x + 2)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047540
Score: 8.64740
Type of gen. func.: lgdogf

$$-\frac{2 (x^6 + 5 x^5 + 6 x^4 + 8 x^3 + 5 x^2 + 5 x + 2)}{(x - 1) (x + 1) (x^2 + 1) (x^3 + 3 x^2 + 2 x + 2)}$$

Sequence: A047541
Score: 11.3510
Type of gen. func.: ogf

$$\frac{x^3 + 2 x^2 + 1}{(x^2 + 1) (x - 1)^2}$$

Sequence: A047541
Score: 11.7358
Type of gen. func.: lgdogf

```
5      4    3      2
```

$$-\frac{x + 5 x - x + 7 x + 2 x + 2}{(x - 1) (x^2 + 1) (x^3 + 2 x^2 + 1)}$$

Sequence: A047541
Score: 5.83539
Type of gen. func.: ogf

$\{-a(n + 4) + 2 a(n + 3) - 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 2,$

$a(2) = 4, a(3) = 7\}$

Sequence: A047541
Score: 6.04837
Type of gen. func.: ogf

$(176 f(x) + 897)$

$(f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - x^3 - 2 f(x) x - 2 x^2 + f(x) - 1)$

Sequence: A047542
Score: 10.1379
Type of gen. func.: ogf

$$\frac{x (x + 1) (x^3 + 2 x^2 + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047542
Score: 6.59017
Type of gen. func.: lgdogf

$$-\frac{2 x^8 + 10 x^7 + 12 x^6 + 11 x^5 + 13 x^4 + 11 x^3 + 13 x^2 + 6 x + 2}{(x - 1) (x + 1) (x^3 + 2 x^2 + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A047543
Score: 10.3369
Type of gen. func.: lgdogf

$$-\frac{x^5 + 7x^4 + 7x^3 + 19x^2 + 10x + 4}{(x + 3)(x - 1)(x^2 + 1)(x^2 + x + 1)}$$

Sequence: A047543
Score: 12.0457
Type of gen. func.: ogf

$$\frac{(x + 3)(x^2 + 1)}{(x^2 + x + 1)(x - 1)^2}$$

Sequence: A047543
Score: 4.97695
Type of gen. func.: ogf

$\{(-4 n - 15) a(n + 1) - 4 a(n + 2) - 4 a(n + 3) + (4 n + 11) a(n + 4), a(0) = 3,$

$a(1) = 4, a(2) = 7, a(3) = 11\}$

Sequence: A047543
Score: 6.70284
Type of gen. func.: ogf

$$(172 f(x) - 4217)(f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 3 x^2 + f(x) - x - 3)$$

Sequence: A047544
Score: 10.7614
Type of gen. func.: ogf

$$\frac{x^4 + 3x^3 + x^2 + 2x + 1}{(x^2 + 1)(x + 1)(x - 1)^2}$$

Sequence: A047544
Score: 7.55405
Type of gen. func.: lgdogf

```
                 7      6      5       4       3       2
```

$$-\frac{x + 7 x + 7 x + 13 x + 15 x + 13 x + 5 x + 3}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 3 x^3 + x^2 + 2 x + 1)}$$

Sequence: A047545
Score: 10.1379
Type of gen. func.: ogf

$$\frac{x (x^4 + 3 x^3 + x^2 + 2 x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047545
Score: 6.52492
Type of gen. func.: lgdogf

$$-\frac{2 x^8 + 10 x^7 + 8 x^6 + 15 x^5 + 13 x^4 + 11 x^3 + 13 x^2 + 5 x + 3}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (x^4 + 3 x^3 + x^2 + 2 x + 1)}$$

Sequence: A047546
Score: 10.5590
Type of gen. func.: ogf

$$\frac{x^3 + 2 x^2 - x + 2}{(x^2 + 1) (x - 1)^2}$$

Sequence: A047546
Score: 11.2069
Type of gen. func.: lgdogf

$$-\frac{x^5 + 5 x^4 - 4 x^3 + 12 x^2 - x + 3}{(x - 1) (x^2 + 1) (x^3 + 2 x^2 - x + 2)}$$

Sequence: A047546
Score: 4.14819

Type of gen. func.: ogf

$$\{(-2 n - 7) a(n + 1) + (2 n + 5) a(n + 2) + (-2 n - 7) a(n + 3) + (2 n + 5) a(n + 4), a(0) = 2, a(1) = 3, a(2) = 4, a(3) = 7\}$$

Sequence: A047546
Score: 5.84925
Type of gen. func.: ogf

$$(40 f(x) + 93)$$

$$(f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - x^3 - 2 f(x) x - 2 x^2 + f(x) + x - 2)$$

Sequence: A047547
Score: 6.41665
Type of gen. func.: lgdogf

$$- \frac{2 x^8 + 10 x^7 + 8 x^6 + 10 x^5 + 18 x^4 + 11 x^3 + 13 x^2 + 5 x + 3}{(x - 1) (x + 1) (x^3 + 2 x^2 - x + 2) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A047547
Score: 9.94638
Type of gen. func.: ogf

$$\frac{x (x + 1) (x^3 + 2 x^2 - x + 2)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047548
Score: 6.17220
Type of gen. func.: lgdogf

$$- \frac{x^9 + 7 x^8 + 7 x^7 + 9 x^6 + 11 x^5 + 17 x^4 + 16 x^3 + 6 x^2 + 4 x + 2}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (x^5 + 3 x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A047548

Score: 7.81392
Type of gen. func.: ogf

$$\frac{x^5+3x^4+x^3+x^2+x+1}{(x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A047549
Score: 5.50398
Type of gen. func.: lgdogf

$$-\frac{2(x^{10}+5x^9+4x^8+5x^7+6x^6+7x^5+6x^4+8x^3+3x^2+2x+1)}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)(x^5+3x^4+x^3+x^2+x+1)}$$

Sequence: A047549
Score: 9.21253
Type of gen. func.: ogf

$$\frac{x(x^5+3x^4+x^3+x^2+x+1)}{(x+1)(x^2+x+1)(x^2-x+1)(x-1)^2}$$

Sequence: A047550
Score: 16.2185
Type of gen. func.: ogf

$$\frac{x^2+2x+5}{(x+1)(x-1)^2}$$

Sequence: A047550
Score: 22.6194
Type of gen. func.: lgdogf

$$-\frac{x^3+5x^2+19x+7}{(x-1)(x+1)(x^2+2x+5)}$$

Sequence: A047550
Score: 8.45581
Type of gen. func.: ogf

$$-(7 f(x) + 117) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - 2 x - 5)$$

Sequence: A047550
Score: 8.75513
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 5, a(1) = 7, a(2) = 13\}$$

Sequence: A047551
Score: 11.2375
Type of gen. func.: ogf

$$\frac{x (x^3 + x^2 + 5 x + 1)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047551
Score: 8.70926
Type of gen. func.: lgdogf

$$-\frac{2 (x^6 + 2 x^5 + 11 x^4 + 6 x^3 + 5 x^2 + 4 x + 3)}{(x - 1) (x + 1) (x^2 + 1) (x^3 + x^2 + 5 x + 1)}$$

Sequence: A047552
Score: 10.0139
Type of gen. func.: lgdogf

$$-\frac{x^5 + 3 x^4 + 14 x^3 + 16 x^2 + 8 x + 6}{(x - 1) (x^2 + x + 1) (x^3 + x^2 + 4 x + 2)}$$

Sequence: A047552
Score: 12.0457
Type of gen. func.: ogf

$$\frac{x^3 + x^2 + 4 x + 2}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047552
Score: 4.97695
Type of gen. func.: ogf

$$\{(-8 n - 31) a(n + 1) - 8 a(n + 2) - 8 a(n + 3) + (8 n + 23) a(n + 4), a(0) = 2, a(1) = 6, a(2) = 7, a(3) = 10\}$$

Sequence: A047552
Score: 6.34467
Type of gen. func.: ogf

$$-(11152 f(x) + 47935) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - x^2 + f(x) - 4 x - 2)$$

Sequence: A047553
Score: 11.2943
Type of gen. func.: ogf

$$\frac{x (x^3 + x^2 + 4 x + 2)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047553
Score: 8.88111
Type of gen. func.: lgdogf

$$- \frac{2 (x^6 + 2 x^5 + 9 x^4 + 8 x^3 + 5 x^2 + 4 x + 3)}{(x - 1) (x + 1) (x^2 + 1) (x^3 + x^2 + 4 x + 2)}$$

Sequence: A047554

Score: 10.7614
Type of gen. func.: ogf

$$\frac{x^4 + x^3 + 4 x^2 + x + 1}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047554
Score: 7.64189
Type of gen. func.: lgdogf

$$- \frac{x^7 + 3 x^6 + 14 x^5 + 10 x^4 + 15 x^3 + 9 x^2 + 10 x + 2}{(x - 1) (x + 1) (x^2 + 1) (x^4 + x^3 + 4 x^2 + x + 1)}$$

Sequence: A047555
Score: 10.1379
Type of gen. func.: ogf

$$\frac{x (x^4 + x^3 + 4 x^2 + x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047555
Score: 6.65674
Type of gen. func.: lgdogf

$$- \frac{2 x^8 + 4 x^7 + 18 x^6 + 11 x^5 + 13 x^4 + 11 x^3 + 9 x^2 + 10 x + 2}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (x^4 + x^3 + 4 x^2 + x + 1)}$$

Sequence: A047556
Score: 10.3369
Type of gen. func.: lgdogf

$$- \frac{x^5 + 3 x^4 + 11 x^3 + 19 x^2 + 8 x + 6}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 + 3)}$$

Sequence: A047556
Score: 12.0457
Type of gen. func.: ogf

$$\frac{(x+1)(x^2+3)}{(x^2+x+1)(x-1)^2}$$

Sequence: A047556
Score: 5.03728
Type of gen. func.: ogf

$\{(-n-4)\,a(n+1) - a(n+2) - a(n+3) + (n+3)\,a(n+4),\ a(0) = 3,\ a(1) = 6,$

$a(2) = 7,\ a(3) = 11\}$

Sequence: A047556
Score: 6.59644
Type of gen. func.: ogf

$$-(95 f(x) + 381) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - x^2 + f(x) - 3 x - 3)$$

Sequence: A047557
Score: 12.6844
Type of gen. func.: ogf

$$\frac{x(x^2+3)}{(x^2+1)(x-1)^2}$$

Sequence: A047557
Score: 15.6477
Type of gen. func.: lgdogf

$$-\frac{2(x^4+6x^2-2x+3)}{(x-1)(x^2+3)(x^2+1)}$$

Sequence: A047557
Score: 4.22812
Type of gen. func.: ogf

$$\{(2 n + 7) a(n + 1) + (-2 n - 5) a(n + 2) + (2 n + 7) a(n + 3) + (-2 n - 5) a(n + 4), a(0) = 0, a(1) = 3, a(2) = 6, a(3) = 7\}$$

Sequence: A047557
Score: 6.24609
Type of gen. func.: ogf

$$-(40 f(x) + 209) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - x^3 - 2 f(x) x + f(x) - 3 x)$$

Sequence: A047558
Score: 10.7614
Type of gen. func.: ogf

$$\frac{x^4 + x^3 + 3 x^2 + 2 x + 1}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047558
Score: 7.55405
Type of gen. func.: lgdogf

$$-\frac{x^7 + 3 x^6 + 11 x^5 + 13 x^4 + 15 x^3 + 9 x^2 + 9 x + 3}{(x - 1) (x + 1) (x^2 + 1) (x^4 + x^3 + 3 x^2 + 2 x + 1)}$$

Sequence: A047559
Score: 10.1379
Type of gen. func.: ogf

$$\frac{x (x^4 + x^3 + 3 x^2 + 2 x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047559
Score: 6.59017
Type of gen. func.: lgdogf

$$-\frac{2x^8+4x^7+14x^6+15x^5+13x^4+11x^3+9x^2+9x+3}{(x-1)(x^4+x^3+x^2+x+1)(x^4+x^3+3x^2+2x+1)}$$

Sequence: A047560
Score: 6.75085
Type of gen. func.: lgdogf

$$-\frac{2x^8+4x^7+14x^6+10x^5+18x^4+11x^3+9x^2+9x+3}{(x-1)(x^2+1)(x^2+x+2)(x^4+x^3+x^2+x+1)}$$

Sequence: A047560
Score: 8.15009
Type of gen. func.: ogf

$$\frac{x(x^2+1)(x^2+x+2)}{(x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A047561
Score: 6.05684
Type of gen. func.: lgdogf

$$-\frac{x^9+3x^8+11x^7+9x^6+11x^5+17x^4+10x^3+12x^2+4x+2}{(x-1)(x^4+x^3+x^2+x+1)(x^5+x^4+3x^3+x^2+x+1)}$$

Sequence: A047561
Score: 7.81392
Type of gen. func.: ogf

$$\frac{x^5+x^4+3x^3+x^2+x+1}{(x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A047562
Score: 6.39320
Type of gen. func.: lgdogf

$$-\frac{x^{9}+3x^{8}+5x^{7}+7x^{6}+9x^{5}+27x^{4}+10x^{3}+8x^{2}+6x+4}{(x-1)(x^{4}+x^{3}+x^{2}+x+1)(x^{5}+x^{4}+x^{3}+x^{2}+x+3)}$$

Sequence: A047562
Score: 9.67476
Type of gen. func.: ogf

$$\frac{x^{5}+x^{4}+x^{3}+x^{2}+x+3}{(x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A047563
Score: 5.58489
Type of gen. func.: lgdogf

$$-2\left(x^{10}+2x^{9}+3x^{8}+4x^{7}+5x^{6}+13x^{5}+6x^{4}+5x^{3}+4x^{2}+3x+2\right) \Big/ \left((x-1)(x+1)(x^{2}+x+1)(x^{2}-x+1)(x^{5}+x^{4}+x^{3}+x^{2}+x+3)\right)$$

Sequence: A047563
Score: 9.08542
Type of gen. func.: ogf

$$\frac{x(x^{5}+x^{4}+x^{3}+x^{2}+x+3)}{(x+1)(x^{2}+x+1)(x^{2}-x+1)(x-1)^{2}}$$

Sequence: A047564
Score: 7.32241
Type of gen. func.: lgdogf

$$- \frac{x^9 + x^8 + 2 x^7 + 2 x^6 + 3 x^5 + 9 x^4 - 2 x^3 + 6 x^2 - x + 3}{(x - 1) (x^2 + x + 1) (x^2 - x + 1) (x^5 + x^3 + x + 1)}$$

Sequence: A047564
Score: 8.73970
Type of gen. func.: ogf

$$\frac{x^5 + x^3 + x + 1}{(x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A047565
Score: 8.56952
Type of gen. func.: ogf

$$\frac{x (x + 1) (x^5 + x^3 + x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047566
Score: 8.02721
Type of gen. func.: lgdogf

$$- \frac{x^7 + 3 x^6 + 5 x^5 + 7 x^4 + 27 x^3 + 9 x^2 + 7 x + 5}{(x - 1) (x + 1) (x^2 + 1) (x^4 + x^3 + x^2 + x + 4)}$$

Sequence: A047566
Score: 8.65143
Type of gen. func.: ogf

$$\frac{x^4 + x^3 + x^2 + x + 4}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047567
Score: 10.0495
Type of gen. func.: ogf

$$\frac{x (x^4 + x^3 + x^2 + x + 4)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047567
Score: 6.89448
Type of gen. func.: lgdogf

$$-\frac{2 x^8 + 4 x^7 + 6 x^6 + 8 x^5 + 28 x^4 + 11 x^3 + 9 x^2 + 7 x + 5}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (x^4 + x^3 + x^2 + x + 4)}$$

Sequence: A047568
Score: 6.17220
Type of gen. func.: lgdogf

$$-\frac{x^9 + 3 x^8 + 5 x^7 + 7 x^6 + 19 x^5 + 17 x^4 + 10 x^3 + 8 x^2 + 6 x + 4}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (x^5 + x^4 + x^3 + x^2 + 3 x + 1)}$$

Sequence: A047568
Score: 9.62565
Type of gen. func.: ogf

$$\frac{x^5 + x^4 + x^3 + x^2 + 3 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047569
Score: 5.45812
Type of gen. func.: lgdogf

$$-2 (x^{10} + 2 x^9 + 3 x^8 + 4 x^7 + 11 x^6 + 7 x^5 + 6 x^4 + 5 x^3 + 4 x^2 + 3 x + 2)$$

$$/ ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)$$

$$/\ (x^{5} + x^{4} + x^{3} + x^{2} + 3 x + 1))$$

Sequence: A047569
Score: 9.21253
Type of gen. func.: ogf

$$\frac{x (x^{5} + x^{4} + x^{3} + x^{2} + 3 x + 1)}{(x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A047570
Score: 6.58694
Type of gen. func.: lgdogf

$$- \frac{x^{9} + 3 x^{8} + 5 x^{7} + 7 x^{6} + 14 x^{5} + 22 x^{4} + 10 x^{3} + 8 x^{2} + 6 x + 4}{(x - 1) (x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} + x^{2} + 2)}$$

Sequence: A047570
Score: 9.90729
Type of gen. func.: ogf

$$\frac{(x + 1) (x^{4} + x^{2} + 2)}{(x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A047571
Score: 8.90564
Type of gen. func.: lgdogf

$$- \frac{2 (x^{8} + 2 x^{6} + 6 x^{4} - 2 x^{3} + 4 x^{2} - x + 2)}{(x - 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} + x^{2} + 2)}$$

Sequence: A047571
Score: 9.43463

Type of gen. func.: ogf

$$\frac{x (x^4 + x^2 + 2)}{(x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A047572
Score: 8.73970
Type of gen. func.: ogf

$$\frac{x^6 + x^5 + x^4 + x^3 + 2 x^2 + x + 1}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A047573
Score: 9.21468
Type of gen. func.: ogf

$$\frac{x (x^6 + x^5 + x^4 + x^3 + 2 x^2 + x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047574
Score: 10.5708
Type of gen. func.: lgdogf

$$- \frac{x^5 + 3 x^4 + 5 x^3 + 25 x^2 + 8 x + 6}{(x - 1) (x^2 + x + 1) (x^3 + x^2 + x + 5)}$$

Sequence: A047574
Score: 12.1050
Type of gen. func.: ogf

$$\frac{x^3 + x^2 + x + 5}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047574
Score: 5.00147
Type of gen. func.: ogf

$$\{(-4 n - 17) a(n + 1) - 4 a(n + 2) - 4 a(n + 3) + (4 n + 13) a(n + 4), a(0) = 5, a(1) = 6, a(2) = 7, a(3) = 13\}$$

Sequence: A047574
Score: 6.52536
Type of gen. func.: ogf

$$-(100 f(x) + 1273) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - x^2 + f(x) - x - 5)$$

Sequence: A047575
Score: 11.0811
Type of gen. func.: ogf

$$\frac{x (x^3 + x^2 + x + 5)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047575
Score: 9.05766
Type of gen. func.: lgdogf

$$- \frac{2 (x^6 + 2 x^5 + 3 x^4 + 14 x^3 + 5 x^2 + 4 x + 3)}{(x - 1) (x + 1) (x^2 + 1) (x^3 + x^2 + x + 5)}$$

Sequence: A047576
Score: 10.5590
Type of gen. func.: ogf

$$\frac{x^4 + x^3 + x^2 + 4 x + 1}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047576
Score: 7.87154
Type of gen. func.: lgdogf

$$-\frac{x^7+3x^6+5x^5+19x^4+15x^3+9x^2+7x+5}{(x-1)(x+1)(x^2+1)(x^4+x^3+x^2+4x+1)}$$

Sequence: A047577
Score: 6.79399
Type of gen. func.: lgdogf

$$-\frac{2x^8+4x^7+6x^6+23x^5+13x^4+11x^3+9x^2+7x+5}{(x-1)(x^4+x^3+x^2+x+1)(x^4+x^3+x^2+4x+1)}$$

Sequence: A047577
Score: 9.94638
Type of gen. func.: ogf

$$\frac{x(x^4+x^3+x^2+4x+1)}{(x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A047578
Score: 11.2749
Type of gen. func.: lgdogf

$$-\frac{x^5+x^4+2x^3+10x^2-3x+5}{(x-1)(x+1)(x^2+1)(x^2-x+2)}$$

Sequence: A047578
Score: 11.8431
Type of gen. func.: ogf

$$\frac{(x+1)(x^2-x+2)}{(x^2+1)(x-1)^2}$$

Sequence: A047578
Score: 4.16924
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 1) + (n + 3) a(n + 2) + (-n - 4) a(n + 3) + (n + 3) a(n + 4),$$
$$a(0) = 2, a(1) = 5, a(2) = 6, a(3) = 7\}$$

Sequence: A047578
Score: 6.28594
Type of gen. func.: ogf

$$(6 f(x) + 85) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - x^3 - 2 f(x) x + f(x) - x - 2)$$

Sequence: A047579
Score: 7.62449
Type of gen. func.: lgdogf

$$- \frac{2 x^7 + 2 x^6 + 4 x^5 + 14 x^4 + 4 x^3 + 7 x^2 + 2 x + 5}{(x - 1) (x + 1) (x^2 - x + 2) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A047579
Score: 9.99793
Type of gen. func.: ogf

$$\frac{x (x^2 - x + 2) (x + 1)^2}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047580
Score: 6.11398
Type of gen. func.: lgdogf

$$- \frac{x^9 + 3 x^8 + 5 x^7 + 15 x^6 + 11 x^5 + 17 x^4 + 10 x^3 + 8 x^2 + 8 x + 2}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (x^5 + x^4 + x^3 + 3 x^2 + x + 1)}$$

Sequence: A047580
Score: 7.81392
Type of gen. func.: ogf

$$\frac{x^5 + x^4 + x^3 + 3 x^2 + x + 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047581
Score: 5.50398
Type of gen. func.: lgdogf

$$- \frac{2 (x^{10} + 2 x^9 + 3 x^8 + 9 x^7 + 6 x^6 + 7 x^5 + 6 x^4 + 5 x^3 + 4 x^2 + 4 x + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^5 + x^4 + x^3 + 3 x^2 + x + 1)}$$

Sequence: A047581
Score: 9.21253
Type of gen. func.: ogf

$$\frac{x (x^5 + x^4 + x^3 + 3 x^2 + x + 1)}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A047582
Score: 10.6126
Type of gen. func.: ogf

$$\frac{x^4 + x^3 + x^2 + 2 x + 3}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047582
Score: 7.91925
Type of gen. func.: lgdogf

$$x^7 + 3 x^6 + 5 x^5 + 11 x^4 + 23 x^3 + 9 x^2 + 7 x + 5$$

$$-\frac{\quad}{(x - 1)(x + 1)(x^4 + x^3 + x^2 + 2x + 3)(x^2 + 1)}$$

Sequence: A047583
Score: 6.68125
Type of gen. func.: lgdogf

$$-\frac{2x^8 + 4x^7 + 6x^6 + 13x^5 + 23x^4 + 11x^3 + 9x^2 + 7x + 5}{(x - 1)(x^4 + x^3 + x^2 + x + 1)(x^4 + x^3 + x^2 + 2x + 3)}$$

Sequence: A047583
Score: 8.15009
Type of gen. func.: ogf

$$\frac{x(x^4 + x^3 + x^2 + 2x + 3)}{(x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A047584
Score: 10.0418
Type of gen. func.: ogf

$$\frac{(x + 1)(x^4 + x^2 + x + 1)}{(x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A047584
Score: 6.35374
Type of gen. func.: lgdogf

$$-\frac{x^9 + 3x^8 + 5x^7 + 11x^6 + 15x^5 + 17x^4 + 10x^3 + 8x^2 + 7x + 3}{(x - 1)(x + 1)(x^4 + x^2 + x + 1)(x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A047585
Score: 7.98749
Type of gen. func.: lgdogf

$$-\frac{2x^8+4x^6+5x^5+3x^4+3x^3+3x^2+x+3}{(x-1)(x^2+x+1)(x^2-x+1)(x^4+x^2+x+1)}$$

Sequence: A047585
Score: 8.45273
Type of gen. func.: ogf

$$\frac{x(x^4+x^2+x+1)}{(x^2+x+1)(x^2-x+1)(x-1)^2}$$

Sequence: A047586
Score: 6.15195
Type of gen. func.: lgdogf

$$-\frac{x^9+3x^8+5x^7+11x^6+10x^5+22x^4+10x^3+8x^2+7x+3}{(x-1)(x^4+x^3+x^2+x+1)(x^5+x^4+x^3+2x^2+x+2)}$$

Sequence: A047586
Score: 9.62565
Type of gen. func.: ogf

$$\frac{x^5+x^4+x^3+2x^2+x+2}{(x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A047587
Score: 5.31465
Type of gen. func.: lgdogf

$$-(2x^{10}+4x^9+6x^8+13x^7+11x^6+20x^5+12x^4+10x^3+8x^2+7x+3) \Big/ ((x-1)(x+1)(x^2+x+1)(x^2-x+1)(x^5+x^4+x^3+2x^2+x+2))$$

Sequence: A047587
Score: 9.08542
Type of gen. func.: ogf

$$\frac{x (x^5 + x^4 + x^3 + 2 x^2 + x + 2)}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A047588
Score: 19.7978
Type of gen. func.: ogf_with_Euler_transform]

$$x^6 - x^5 - x^3 + x^2 + 2$$

Sequence: A047588
Score: 6.93696
Type of gen. func.: lgdogf

$$- (2 x^{11} + 2 x^{10} + 4 x^9 + 9 x^8 + 2 x^7 + 11 x^6 + 4 x^5 + 9 x^4 + 2 x^3 + 7 x^2 + 2 x + 2) \Big/ ((x - 1) (x + 1) (x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + 1))$$

Sequence: A047588
Score: 9.21468
Type of gen. func.: ogf

$$\frac{x (x^2 + 1) (x^2 - x + 1) (x + 1)^2}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047589
Score: 13.9120
Type of gen. func.: ogf

$$\frac{x^2 + x + 6}{(x + 1) (x - 1)^2}$$

Sequence: A047589
Score: 20.3022
Type of gen. func.: lgdogf

$$-\frac{x^3 + 3 x^2 + 21 x + 7}{(x - 1) (x + 1) (x^2 + x + 6)}$$

Sequence: A047589
Score: 7.3158
Type of gen. func.: ogf

$$(800 f(x) + 9851) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - x - 6)$$

Sequence: A047589
Score: 7.51002
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 6, a(1) = 7, a(2) = 14\}$$

Sequence: A047590
Score: 12.3756
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 4 x^3 + 26 x^2 + 9 x + 7}{(x - 1) (x^2 + x + 1) (x^2 + x + 6)}$$

Sequence: A047590
Score: 12.6610
Type of gen. func.: ogf

$$\frac{x (x^2 + x + 6)}{}$$

$$(x^2 + x + 1) (x - 1)^2$$

Sequence: A047590
Score: 4.98765
Type of gen. func.: ogf

$$\{(-8 n - 29) a(n + 1) - 8 a(n + 2) - 8 a(n + 3) + (8 n + 21) a(n + 4), a(0) = 0, a(1) = 6, a(2) = 7, a(3) = 8\}$$

Sequence: A047590
Score: 6.85803
Type of gen. func.: ogf

$$(656 f(x) + 7967) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - x^2 + f(x) - 6 x)$$

Sequence: A047591
Score: 10.2485
Type of gen. func.: lgdogf

$$- \frac{x^5 + 3 x^4 + 17 x^3 + 13 x^2 + 8 x + 6}{(x - 1) (x^2 + x + 1) (x^3 + x^2 + 5 x + 1)}$$

Sequence: A047591
Score: 11.9863
Type of gen. func.: ogf

$$\frac{x^3 + x^2 + 5 x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047591
Score: 4.98227
Type of gen. func.: ogf

$$\{(4 n + 15) a(n + 1) + 4 a(n + 2) + 4 a(n + 3) + (-4 n - 11) a(n + 4), a(0) = 1, a(1) = 6, a(2) = 7, a(3) = 9\}$$

Sequence: A047591
Score: 6.36198
Type of gen. func.: ogf

$$-(1564 f(x) + 19307) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - x^2 + f(x) - 5 x - 1)$$

Sequence: A047592
Score: 30.4720
Type of gen. func.: ogf_with_Euler_transform]

$$-x^7 + x^6 + 2$$

Sequence: A047592
Score: 8.77858
Type of gen. func.: ogf

$$\frac{(x^4 + 1) (x^2 + 1) (x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047593
Score: 5.02389
Type of gen. func.: lgdogf

$$- (x^{11} + 3 x^{10} + 5 x^9 + 7 x^8 + 9 x^7 + 11 x^6 + 25 x^5 + 11 x^4 + 9 x^3 + 7 x^2 + 5 x + 3) / ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 2))$$

Sequence: A047593
Score: 8.78475
Type of gen. func.: ogf

```
                 6    5    4    3    2
                x  + x  + x  + x  + x  + x + 2
          ------------------------------------------
                   2            2                  2
```

$$(x + 1) (x + x + 1) (x - x + 1) (x - 1)$$

Sequence: A047594
Score: 8.45273
Type of gen. func.: ogf

$$\frac{x (x^6 + x^5 + x^4 + x^3 + x^2 + x + 2)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047595
Score: 8.40938
Type of gen. func.: ogf

$$\frac{x (x + 1) (x^5 + x^4 + x^2 + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047596
Score: 10.5590
Type of gen. func.: ogf

$$\frac{3 x^4 + x^3 + x^2 + x + 2}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047596
Score: 7.77893
Type of gen. func.: lgdogf

$$- \frac{3 x^7 + 5 x^6 + 7 x^5 + 9 x^4 + 25 x^3 + 7 x^2 + 5 x + 3}{(x - 1) (x + 1) (3 x^4 + x^3 + x^2 + x + 2) (x^2 + 1)}$$

Sequence: A047597
Score: 6.68125
Type of gen. func.: lgdogf

$$-\frac{6x^8+6x^7+8x^6+10x^5+18x^4+17x^3+7x^2+5x+3}{(x-1)(x^4+x^3+x^2+x+1)(3x^4+x^3+x^2+x+2)}$$

Sequence: A047597
Score: 9.94638
Type of gen. func.: ogf

$$\frac{x(3x^4+x^3+x^2+x+2)}{(x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A047598
Score: 12.0457
Type of gen. func.: ogf

$$\frac{(x+1)(3x^2-2x+3)}{(x^2+x+1)(x-1)^2}$$

Sequence: A047598
Score: 5.03728
Type of gen. func.: ogf

$\{(2n+7)a(n+1)+2a(n+2)+2a(n+3)+(-2n-5)a(n+4),\ a(0)=3,$

$a(1)=4,\ a(2)=5,\ a(3)=11\}$

Sequence: A047598
Score: 6.59644
Type of gen. func.: ogf

$$-(25f(x)+244)(f(x)x^4-f(x)x^3-3x^3-f(x)x-x^2+f(x)-x-3)$$

Sequence: A047598
Score: 9.28824
Type of gen. func.: lgdogf

5   4   3   2

$$-\frac{3 x + 5 x + 7 x + 23 x + 6 x + 4}{(x - 1) (x + 1) (x^2 + x + 1) (3 x^2 - 2 x + 3)}$$

Sequence: A047599
Score: 11.2943
Type of gen. func.: ogf

$$\frac{x (3 x^2 - 2 x + 3)}{(x^2 + 1) (x - 1)^2}$$

Sequence: A047599
Score: 13.1440
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 - x + 2) (3 x^2 + 1)}{(x - 1) (x^2 + 1) (3 x^2 - 2 x + 3)}$$

Sequence: A047599
Score: 4.22812
Type of gen. func.: ogf

$\{(n + 3) a(n + 1) + (-n - 2) a(n + 2) + (n + 3) a(n + 3) + (-n - 2) a(n + 4),$

$a(0) = 0, a(1) = 3, a(2) = 4, a(3) = 5\}$

Sequence: A047599
Score: 6.15286
Type of gen. func.: ogf

$(2 f(x) + 25)$

$(f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - 3 x^3 - 2 f(x) x + 2 x^2 + f(x) - 3 x)$

Sequence: A047600
Score: 10.7614
Type of gen. func.: ogf

$$\frac{3 x^4 + x^3 + x^2 + 2 x + 1}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047600
Score: 7.46821
Type of gen. func.: lgdogf

$$- \frac{3 x^7 + 5 x^6 + 7 x^5 + 13 x^4 + 21 x^3 + 7 x^2 + 5 x + 3}{(x - 1) (x + 1) (x^2 + 1) (3 x^4 + x^3 + x^2 + 2 x + 1)}$$

Sequence: A047601
Score: 6.65674
Type of gen. func.: lgdogf

$$- \frac{6 x^8 + 6 x^7 + 8 x^6 + 15 x^5 + 13 x^4 + 17 x^3 + 7 x^2 + 5 x + 3}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (3 x^4 + x^3 + x^2 + 2 x + 1)}$$

Sequence: A047601
Score: 8.28575
Type of gen. func.: ogf

$$\frac{x (3 x^4 + x^3 + x^2 + 2 x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A047602
Score: 5.36864
Type of gen. func.: lgdogf

$$- 2 (3 x^{10} + 3 x^9 + 4 x^8 + 5 x^7 + 6 x^6 + 7 x^5 + 10 x^4 + 4 x^3 + 3 x^2 + 2 x + 1) \Big/ ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (3 x^5 + x^4 + x^3 + x^2 + x + 1))$$

```
------------------------------------------------------------------------------

Sequence:  A047602
Score: 9.21253
Type of gen. func.: ogf


                              5    4    3    2
                        x (3 x  + x  + x  + x  + x + 1)
                   ------------------------------------------
                             2            2                 2
                   (x + 1) (x  + x + 1) (x  - x + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A047603
Score: 6.11398
Type of gen. func.: lgdogf


           9      8      7      6       5       4      3      2
        3 x  + 5 x  + 7 x  + 9 x  + 11 x  + 25 x  + 8 x  + 6 x  + 4 x + 2
      - -----------------------------------------------------------------
                    4    3    2              5    4    3    2
          (x - 1) (x  + x  + x  + x + 1) (3 x  + x  + x  + x  + x + 1)



------------------------------------------------------------------------------

Sequence:  A047603
Score: 9.52744
Type of gen. func.: ogf


                             5    4    3    2
                          3 x  + x  + x  + x  + x + 1
                        -------------------------------
                          4    3    2                 2
                        (x  + x  + x  + x + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A047604
Score: 11.9863
Type of gen. func.: ogf


                                         2
                             (x + 1) (3 x  - x + 2)
                             ----------------------
                               2                 2
                             (x  + x + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A047604
Score: 4.98227
Type of gen. func.: ogf


{(4 n + 13) a(n + 1) + 4 a(n + 2) + 4 a(n + 3) + (-4 n - 9) a(n + 4), a(0) = 2,

    a(1) = 3, a(2) = 5, a(3) = 10}
```

Sequence: A047604
Score: 6.66982
Type of gen. func.: ogf

$$(428 f(x) + 8887) (f(x) x^4 - f(x) x^3 - 3 x^3 - f(x) x - 2 x^2 + f(x) - x - 2)$$

Sequence: A047604
Score: 9.50681
Type of gen. func.: lgdogf

$$- \frac{3 x^5 + 7 x^4 + 8 x^3 + 20 x^2 + 7 x + 3}{(x - 1) (x + 1) (x^2 + x + 1) (3 x^2 - x + 2)}$$

Sequence: A047605
Score: 11.2375
Type of gen. func.: ogf

$$\frac{x (3 x^2 - x + 2)}{(x^2 + 1) (x - 1)^2}$$

Sequence: A047605
Score: 13.0639
Type of gen. func.: lgdogf

$$- \frac{6 x^4 - 3 x^3 + 9 x^2 + x + 3}{(x - 1) (x^2 + 1) (3 x^2 - x + 2)}$$

Sequence: A047605
Score: 4.16416
Type of gen. func.: ogf

$$\{(4 n + 11) a(n + 1) + (-4 n - 7) a(n + 2) + (4 n + 11) a(n + 3)$$

$$+ (-4 n - 7) a(n + 4), a(0) = 0, a(1) = 2, a(2) = 3, a(3) = 5\}$$

Sequence: A047605
Score: 5.81802
Type of gen. func.: ogf

$$-(144 f(x) + 167)$$

$$(f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - 3 x^3 - 2 f(x) x + x^2 + f(x) - 2 x)$$

Sequence: A047606
Score: 10.7076
Type of gen. func.: ogf

$$\frac{3 x^4 + 2 x^3 + x^2 + x + 1}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047606
Score: 7.42267
Type of gen. func.: lgdogf

$$- \frac{3 x^7 + 7 x^6 + 8 x^5 + 10 x^4 + 21 x^3 + 9 x^2 + 4 x + 2}{(x - 1) (x + 1) (x^2 + 1) (3 x^4 + 2 x^3 + x^2 + x + 1)}$$

Sequence: A047607
Score: 6.65674
Type of gen. func.: lgdogf

$$- \frac{6 x^8 + 9 x^7 + 9 x^6 + 11 x^5 + 13 x^4 + 17 x^3 + 9 x^2 + 4 x + 2}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (3 x^4 + 2 x^3 + x^2 + x + 1)}$$

Sequence: A047607
Score: 8.28575
Type of gen. func.: ogf

$$\frac{x (3 x^4 + 2 x^3 + x^2 + x + 1)}{}$$

$$(x^4 + x^3 + x^2 + x + 1) (x - 1)^2$$

Sequence: A047608
Score: 13.9120
Type of gen. func.: ogf

$$\frac{3 x^2 + x + 4}{(x + 1) (x - 1)^2}$$

Sequence: A047608
Score: 18.4976
Type of gen. func.: lgdogf

$$- \frac{3 x^3 + 5 x^2 + 19 x + 5}{(x - 1) (x + 1) (3 x^2 + x + 4)}$$

Sequence: A047608
Score: 6.956
Type of gen. func.: ogf

$$-(4448 f(x) + 44065) (f(x) x^3 - f(x) x^2 - f(x) x - 3 x^2 + f(x) - x - 4)$$

Sequence: A047608
Score: 7.51002
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 4, a(1) = 5, a(2) = 12\}$$

Sequence: A047609
Score: 11.7126
Type of gen. func.: lgdogf

$$- \frac{6 x^4 + 6 x^3 + 20 x^2 + 11 x + 5}{(x - 1) (x^2 + x + 1) (3 x^2 + x + 4)}$$

Sequence: A047609
Score: 12.6610
Type of gen. func.: ogf

$$\frac{x (3 x^2 + x + 4)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047609
Score: 4.98765
Type of gen. func.: ogf

$\{(8 n + 25) a(n + 1) + 8 a(n + 2) + 8 a(n + 3) + (-8 n - 17) a(n + 4), a(0) = 0,$

$a(1) = 4, a(2) = 5, a(3) = 8\}$

Sequence: A047609
Score: 6.7456
Type of gen. func.: ogf

$$(9584 f(x) + 29081) (f(x) x^4 - f(x) x^3 - 3 x^3 - f(x) x - x^2 + f(x) - 4 x)$$

Sequence: A047610
Score: 11.9863
Type of gen. func.: ogf

$$\frac{(3 x + 1) (x^2 + 1)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047610
Score: 5.01247
Type of gen. func.: ogf

$\{(-4 n - 13) a(n + 1) - 4 a(n + 2) - 4 a(n + 3) + (4 n + 9) a(n + 4), a(0) = 1,$

$a(1) = 4, a(2) = 5, a(3) = 9\}$

Sequence: A047610
Score: 6.61646
Type of gen. func.: ogf

$$(2084 f(x) + 6481) (f(x) x^4 - f(x) x^3 - 3 x^3 - f(x) x - x^2 + f(x) - 3 x - 1)$$

Sequence: A047610
Score: 9.93797
Type of gen. func.: lgdogf

$$-\frac{3 x^5 + 5 x^4 + 13 x^3 + 17 x^2 + 6 x + 4}{(x - 1) (3 x + 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A047611
Score: 12.0457
Type of gen. func.: ogf

$$\frac{3 x^3 + x^2 + 2 x + 2}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047611
Score: 4.97695
Type of gen. func.: ogf

$$\{(-8 n - 27) a(n + 1) - 8 a(n + 2) - 8 a(n + 3) + (8 n + 19) a(n + 4), a(0) = 2,$$
$$a(1) = 4, a(2) = 5, a(3) = 10\}$$

Sequence: A047611
Score: 6.29661
Type of gen. func.: ogf

$$-(30288 f(x) + 202091)$$
$$(f(x) x^4 - f(x) x^3 - 3 x^3 - f(x) x - x^2 + f(x) - 2 x - 2)$$

Sequence: A047611

Score: 9.42483
Type of gen. func.: lgdogf

$$-\frac{3x^5+5x^4+10x^3+20x^2+6x+4}{(x-1)(x^2+x+1)(3x^3+x^2+2x+2)}$$

Sequence: A047612
Score: 11.2943
Type of gen. func.: ogf

$$\frac{x(3x^3+x^2+2x+2)}{(x^2+1)(x+1)(x-1)^2}$$

Sequence: A047612
Score: 8.42567
Type of gen. func.: lgdogf

$$-\frac{2(3x^6+3x^5+6x^4+8x^3+7x^2+3x+2)}{(x-1)(x+1)(x^2+1)(3x^3+x^2+2x+2)}$$

Sequence: A047613
Score: 10.7614
Type of gen. func.: ogf

$$\frac{3x^4+x^3+2x^2+x+1}{(x^2+1)(x+1)(x-1)^2}$$

Sequence: A047613
Score: 7.38429
Type of gen. func.: lgdogf

$$-\frac{3x^7+5x^6+10x^5+10x^4+21x^3+7x^2+6x+2}{(x-1)(x+1)(x^2+1)(3x^4+x^3+2x^2+x+1)}$$

Sequence: A047614
Score: 7.32241
Type of gen. func.: lgdogf

$$-\frac{(x+1)(6x^7+12x^5-x^4+14x^3+3x^2+4x+2)}{(x-1)(x^4+x^3+x^2+x+1)(3x^4+x^3+2x^2+x+1)}$$

Sequence: A047614
Score: 8.28575
Type of gen. func.: ogf

$$\frac{x(3x^4+x^3+2x^2+x+1)}{(x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A047615
Score: 15.0225
Type of gen. func.: ogf

$$\frac{x(3x+5)}{(x+1)(x-1)^2}$$

Sequence: A047615
Score: 23.4459
Type of gen. func.: lgdogf

$$-\frac{2(3x^2+9x+4)}{(3x+5)(x-1)(x+1)}$$

Sequence: A047615
Score: 7.71426
Type of gen. func.: ogf

{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 5, a(2) = 8}

Sequence: A047615
Score: 8.31343
Type of gen. func.: ogf

$$-f(x) (f(x) x^3 - f(x) x^2 - f(x) x - 3 x^2 + f(x) - 5 x)$$

Sequence: A047616
Score: 10.9831
Type of gen. func.: lgdogf

$$-\frac{6 x^4 + 15 x^3 + 11 x^2 + 11 x + 5}{(x - 1) (3 x + 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A047616
Score: 12.5350
Type of gen. func.: ogf

$$\frac{x (x + 1) (3 x + 1)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047616
Score: 4.96813
Type of gen. func.: ogf

$\{(-4 n - 11) a(n + 1) - 4 a(n + 2) - 4 a(n + 3) + (4 n + 7) a(n + 4), a(0) = 0,$

$a(1) = 1, a(2) = 5, a(3) = 8\}$

Sequence: A047616
Score: 6.62418
Type of gen. func.: ogf

$$-(76 f(x) + 7579) (f(x) x^4 - f(x) x^3 - 3 x^3 - f(x) x - 4 x^2 + f(x) - x)$$

Sequence: A047617
Score: 14.1711
Type of gen. func.: ogf

$$\frac{3 x^2 + 3 x + 2}{(x + 1) (x - 1)^2}$$

Sequence: A047617
Score: 18.0453
Type of gen. func.: lgdogf

$$- \frac{3 x^3 + 9 x^2 + 15 x + 5}{(x - 1) (x + 1) (3 x^2 + 3 x + 2)}$$

Sequence: A047617
Score: 7.26418
Type of gen. func.: ogf

$$-(96 f(x) - 1067) (f(x) x^3 - f(x) x^2 - f(x) x - 3 x^2 + f(x) - 3 x - 2)$$

Sequence: A047617
Score: 7.64989
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 5, a(2) = 10\}$$

Sequence: A047618
Score: 11.0501
Type of gen. func.: lgdogf

$$- \frac{6 x^4 + 12 x^3 + 14 x^2 + 11 x + 5}{(x - 1) (x^2 + x + 1) (3 x^2 + 3 x + 2)}$$

Sequence: A047618
Score: 13.2068
Type of gen. func.: ogf

$$x (3 x^2 + 3 x + 2)$$

$$\overline{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047618
Score: 5.20268
Type of gen. func.: ogf

{(8 n + 23) a(n + 1) + 8 a(n + 2) + 8 a(n + 3) + (-8 n - 15) a(n + 4), a(0) = 0,

a(1) = 2, a(2) = 5, a(3) = 8}

Sequence: A047618
Score: 7.09458
Type of gen. func.: ogf

$$(1264 f(x) - 1239) (f(x) x^4 - f(x) x^3 - 3 x^3 - f(x) x - 3 x^2 + f(x) - 2 x)$$

Sequence: A047619
Score: 10.0301
Type of gen. func.: lgdogf

$$- \frac{3 x^5 + 9 x^4 + 9 x^3 + 17 x^2 + 8 x + 2}{(x - 1) (x + 1) (x^2 + x + 1) (3 x^2 + 1)}$$

Sequence: A047619
Score: 11.9270
Type of gen. func.: ogf

$$\frac{(x + 1) (3 x^2 + 1)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047619
Score: 5.01806
Type of gen. func.: ogf

{(n + 3) a(n + 1) + a(n + 2) + a(n + 3) + (-n - 2) a(n + 4), a(0) = 1, a(1) = 2,

a(2) = 5, a(3) = 9}

Sequence: A047619
Score: 6.53145
Type of gen. func.: ogf

$$-(89 f(x) - 997) (f(x) x^4 - f(x) x^3 - 3 x^3 - f(x) x - 3 x^2 + f(x) - x - 1)$$

Sequence: A047620
Score: 12.5569
Type of gen. func.: ogf

$$\frac{x (3 x^2 + 1)}{(x^2 + 1) (x - 1)^2}$$

Sequence: A047620
Score: 14.1128
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^4 + 2 x^2 + 2 x + 1)}{(x - 1) (3 x^2 + 1) (x^2 + 1)}$$

Sequence: A047620
Score: 4.18563
Type of gen. func.: ogf

$$\{(2 n + 5) a(n + 1) + (-2 n - 3) a(n + 2) + (2 n + 5) a(n + 3)$$

$$+ (-2 n - 3) a(n + 4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 5\}$$

Sequence: A047620
Score: 6.42675
Type of gen. func.: ogf

$$(32 f(x) + 43) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - 3 x^3 - 2 f(x) x + f(x) - x)$$

Sequence: A047621
Score: 13.8454
Type of gen. func.: ogf

$$\frac{3 x^2 + 2 x + 3}{(x + 1) (x - 1)^2}$$

Sequence: A047621
Score: 18.0072
Type of gen. func.: lgdogf

$$- \frac{(3 x + 1) (x^2 + 2 x + 5)}{(x - 1) (x + 1) (3 x^2 + 2 x + 3)}$$

Sequence: A047621
Score: 7.28079
Type of gen. func.: ogf

$$-(5 f(x) + 76) (f(x) x^3 - f(x) x^2 - f(x) x - 3 x^2 + f(x) - 2 x - 3)$$

Sequence: A047621
Score: 7.47409
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 3, a(1) = 5, a(2) = 11\}$$

Sequence: A047622
Score: 11.2406
Type of gen. func.: lgdogf

$$- \frac{6 x^4 + 9 x^3 + 17 x^2 + 11 x + 5}{(x - 1) (x^2 + x + 1) (3 x^2 + 2 x + 3)}$$

Sequence: A047622
Score: 12.5980

Type of gen. func.: ogf

$$\frac{x\,(3\,x^{2} + 2\,x + 3)}{(x^{2} + x + 1)\,(x - 1)^{2}}$$

Sequence: A047622
Score: 5.02373
Type of gen. func.: ogf

$\{(n + 3)\,a(n + 1) + a(n + 2) + a(n + 3) + (-n - 2)\,a(n + 4),\ a(0) = 0,\ a(1) = 3,$

$a(2) = 5,\ a(3) = 8\}$

Sequence: A047622
Score: 6.76751
Type of gen. func.: ogf

$$-(23\,f(x) + 25)\,(f(x)\,x^{4} - f(x)\,x^{3} - 3\,x^{3} - f(x)\,x - 2\,x^{2} + f(x) - 3\,x)$$

Sequence: A047623
Score: 11.9270
Type of gen. func.: ogf

$$\frac{3\,x^{3} + 2\,x^{2} + 2\,x + 1}{(x^{2} + x + 1)\,(x - 1)^{2}}$$

Sequence: A047623
Score: 4.95760
Type of gen. func.: ogf

$\{(-8\,n - 25)\,a(n + 1) - 8\,a(n + 2) - 8\,a(n + 3) + (8\,n + 17)\,a(n + 4),\ a(0) = 1,$

$a(1) = 3,\ a(2) = 5,\ a(3) = 9\}$

Sequence: A047623
Score: 6.6368
Type of gen. func.: ogf

$$(112 f(x) + 1369) (f(x) x^4 - f(x) x^3 - 3 x^3 - f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A047623
Score: 9.31364
Type of gen. func.: lgdogf

$$- \frac{3 x^5 + 7 x^4 + 11 x^3 + 17 x^2 + 7 x + 3}{(x - 1) (x^2 + x + 1) (3 x^3 + 2 x^2 + 2 x + 1)}$$

Sequence: A047624
Score: 11.1808
Type of gen. func.: ogf

$$\frac{x (3 x^3 + 2 x^2 + 2 x + 1)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A047624
Score: 8.01466
Type of gen. func.: lgdogf

$$- \frac{6 x^6 + 9 x^5 + 13 x^4 + 12 x^3 + 14 x^2 + 7 x + 3}{(x - 1) (x + 1) (x^2 + 1) (3 x^3 + 2 x^2 + 2 x + 1)}$$

Sequence: A047635
Score: 4.93527
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A047636
Score: 2.76425
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A047637
Score: 2.83513
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A047657
Score: 11.8825
Type of gen. func.: revegf]

$$-\frac{(1 - 4 x)^{1/2}}{6} + \frac{2 (1 - 4 x)^{1/2} x}{3} + 1/6$$

Sequence: A047657
Score: 15.2869
Type of gen. func.: egf]

$$6 f(x)^3 x - f(x)^3 + 1$$

Sequence: A047657
Score: 49.9066
Type of gen. func.: lgdegf]

$$-\frac{2}{6 x - 1}$$

Sequence: A047657
Score: 5.79724
Type of gen. func.: ogf

$$\{(-6 n - 8) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A047659
Score: 5.94127
Type of gen. func.: ogf

$$-\frac{4 x^4 (9 x^4 + 35 x^3 + 49 x^2 + 21 x + 6)}{(x + 1)^2 (x - 1)^7}$$

Sequence: A047659
Score: 7.62714
Type of gen. func.: lgdogf

$$-\frac{45 x^5 + 255 x^4 + 554 x^3 + 518 x^2 + 257 x + 51}{(x - 1) (x + 1) (9 x^4 + 35 x^3 + 49 x^2 + 21 x + 6)}$$

Sequence: A047661
Score: 12.6525
Type of gen. func.: lgdogf

$$-\frac{2 (x^4 + 2 x^3 + 20 x^2 + 10 x + 15)}{(x - 1) (x^4 + 10 x^2 + 5)}$$

Sequence: A047661
Score: 6.94869
Type of gen. func.: ogf

$$\frac{x^4 + 10 x^2 + 5}{(x - 1)^6}$$

Sequence: A047663
Score: 12.9120
Type of gen. func.: lgdogf

$$-\frac{9 x^4 + 12 x^3 + 50 x^2 + 20 x + 21}{(x - 1) (x^2 + 3) (3 x^2 + 1)}$$

Sequence: A047663
Score: 6.96913
Type of gen. func.: ogf

$$-\frac{2\,(x^2+3)\,(3\,x^2+1)}{(x-1)^7}$$

Sequence: A047664
Score: 5.46560
Type of gen. func.: ogf

$$\frac{x^6+21\,x^4+35\,x^2+7}{(x-1)^8}$$

Sequence: A047664
Score: 8.92623
Type of gen. func.: lgdogf

$$-\frac{2\,(x^6+3\,x^5+42\,x^4+42\,x^3+105\,x^2+35\,x+28)}{(x-1)\,(x^6+21\,x^4+35\,x^2+7)}$$

Sequence: A047665
Score: 5.24474
Type of gen. func.: ogf

$$f(x)^2\,x^4-8\,x^3\,f(x)^2+14\,f(x)^2\,x^2-f(x)\,x^3-8\,f(x)^2\,x+7\,f(x)\,x^2+f(x)^2$$
$$-\,7\,f(x)\,x+f(x)-x$$

Sequence: A047667
Score: 10.4066
Type of gen. func.: ogf

$$\frac{3\,x^2-2\,x+3}{(x-1)^4}$$

Sequence: A047667
Score: 21.9814
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^{2}+5)}{(x-1)\,(3\,x^{2}-2\,x+3)}$$

Sequence: A047667
Score: 5.48136
Type of gen. func.: ogf

$$(52\,f(x)+51)$$

$$(f(x)\,x^{4}-4\,f(x)\,x^{3}+6\,f(x)\,x^{2}-4\,f(x)\,x-3\,x^{2}+f(x)+2\,x-3)$$

Sequence: A047668
Score: 13.6736
Type of gen. func.: lgdogf

$$-\frac{(x^{2}+1)\,(x^{2}+2\,x+17)}{(x-1)\,(x^{4}-x^{3}+7\,x^{2}-3\,x+4)}$$

Sequence: A047668
Score: 7.20120
Type of gen. func.: ogf

$$-\frac{x^{4}-x^{3}+7\,x^{2}-3\,x+4}{(x-1)^{5}}$$

Sequence: A047669
Score: 10.4655
Type of gen. func.: lgdogf

$$-\frac{2\,(5\,x^{4}+4\,x^{3}+22\,x^{2}+4\,x+13)}{{}^{4}\qquad{}^{3}\qquad{}^{2}}$$

$$(x - 1) (5 x - 4 x + 14 x - 4 x + 5)$$

Sequence: A047669
Score: 6.41011
Type of gen. func.: ogf

$$\frac{5 x^{4} - 4 x^{3} + 14 x^{2} - 4 x + 5}{(x - 1)^{6}}$$

Sequence: A047670
Score: 5.93377
Type of gen. func.: ogf

$$- \frac{x^{6} - x^{5} + 16 x^{4} - 10 x^{3} + 25 x^{2} - 5 x + 6}{(x - 1)^{7}}$$

Sequence: A047670
Score: 8.26006
Type of gen. func.: lgdogf

$$- \frac{x^{6} + 4 x^{5} + 43 x^{4} + 24 x^{3} + 95 x^{2} + 20 x + 37}{(x - 1) (x^{6} - x^{5} + 16 x^{4} - 10 x^{3} + 25 x^{2} - 5 x + 6)}$$

Sequence: A047672
Score: 14.6742
Type of gen. func.: lgdogf

$$- \frac{2 (x^{3} + 6 x^{2} + 12 x + 5)}{(x - 1) (2 x^{3} + 3 x^{2} + 6 x + 1)}$$

Sequence: A047672
Score: 3.84770
Type of gen. func.: ogf

$$\{(-5 n^2 - 21 n - 22) a(n + 1) + (-2 n^2 - 52 n - 116) a(n + 2)$$

$$+ (7 n^2 + 37 n + 48) a(n + 3), a(0) = 1, a(1) = 10, a(2) = 37\}$$

Sequence: A047672
Score: 4.95865
Type of gen. func.: ogf

$$(584 f(x) + 1513)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 2 x^3 - 4 f(x) x - 3 x^2 + f(x) - 6 x - 1)$$

Sequence: A047672
Score: 9.14453
Type of gen. func.: ogf

$$\frac{2 x^3 + 3 x^2 + 6 x + 1}{(x - 1)^4}$$

Sequence: A047673
Score: 11.6952
Type of gen. func.: lgdogf

$$- \frac{x^4 + 20 x^3 + 42 x^2 + 44 x + 13}{(x - 1) (x^4 + 8 x^3 + 6 x^2 + 8 x + 1)}$$

Sequence: A047673
Score: 7.28746
Type of gen. func.: ogf

$$- \frac{x^4 + 8 x^3 + 6 x^2 + 8 x + 1}{(x - 1)^5}$$

Sequence: A047674
Score: 5.82640

Type of gen. func.: ogf

$$\frac{2 x^5 + 5 x^4 + 20 x^3 + 10 x^2 + 10 x + 1}{(x - 1)^6}$$

Sequence: A047674
Score: 8.52509
Type of gen. func.: lgdogf

$$- \frac{2 (x^5 + 10 x^4 + 40 x^3 + 50 x^2 + 35 x + 8)}{(x - 1) (2 x^5 + 5 x^4 + 20 x^3 + 10 x^2 + 10 x + 1)}$$

Sequence: A047677
Score: 6.75839
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) - a(n + 2), a(0) = 2, a(1) = 4\}$$

Sequence: A047700
Score: 4.92541
Type of gen. func.: ogf

$$- \frac{x^{22} - x^{21} + x^8 - x^7 + x^6 - x^5 + x^4 + x^3 + 2 x - 5}{(x - 1)^2}$$

Sequence: A047707
Score: 5.64214
Type of gen. func.: ogf

$$- \frac{2 x^3 (36 x^2 - 4 x - 1)}{(6 x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (8 x - 1) (5 x - 1)}$$

Sequence: A047732
Score: 10.0724

Type of gen. func.: ogf

$$-\frac{x^3 - 2x^2 - 1}{(x - 1)^4}$$

Sequence: A047732
Score: 19.4712
Type of gen. func.: lgdogf

$$-\frac{x^3 - x^2 - 4x - 4}{(x - 1)(x^3 - 2x^2 - 1)}$$

Sequence: A047732
Score: 3.89041
Type of gen. func.: ogf

$$\{(-35 n^2 - 241 n - 342) a(n + 1) + (62 n^2 + 322 n + 276) a(n + 2)$$

$$+ (-27 n^2 - 105 n - 72) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 12\}$$

Sequence: A047732
Score: 5.88047
Type of gen. func.: ogf

$$(1952 f(x) + 8941)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + x^3 - 4 f(x) x - 2 x^2 + f(x) - 1)$$

Sequence: A047749
Score: 12.7287
Type of gen. func.: ogf

$$-1 + 3 f(x) - 2 f(x)^2 + f(x)^3 x$$

Sequence: A047749
Score: 27.4487

Type of gen. func.: revogf

$$-\frac{(-3 + (4 x + 1)^{1/2}) x}{2}$$

Sequence: A047750
Score: 13.8943
Type of gen. func.: revogf

$$-\frac{(-5 - 6 x - x^2 + ((x^2 + 6 x + 1) (x + 3)^2)^{1/2}) x}{2}$$

Sequence: A047750
Score: 9.13198
Type of gen. func.: ogf

$$-x^2 f(x)^3 - 6 f(x)^2 x + 4 f(x)^2 - 5 f(x) + 1$$

Sequence: A047764
Score: 8.1109
Type of gen. func.: ogf

$$-x^2 + 3 f(x) x - 2 f(x)^2 + x^5 f(x)^3$$

Sequence: A047780
Score: 10.9458
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^4 + 36 x^3 + 44 x^2 + 17 x + 5)}{(x - 1) (2 x^4 + 16 x^3 + 8 x^2 + 3 x + 1)}$$

Sequence: A047780
Score: 6.02403
Type of gen. func.: ogf

4 3 2

$$-\frac{x (2 x + 16 x + 8 x + 3 x + 1)}{(x - 1)^7}$$

Sequence: A047781
Score: 3.40946
Type of gen. func.: ogf

$$\{(n^2 + n) a(n) + (-7 n^2 - 13 n - 6) a(n + 1) + (7 n^2 + 29 n + 30) a(n + 2)$$
$$+ (-n^2 - 5 n - 6) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 4\}$$

Sequence: A047781
Score: 6.385
Type of gen. func.: ogf

$$2 f(x)^2 x^2 - 12 f(x)^2 x + f(x) x^2 + 2 f(x)^2 - 6 f(x) x + f(x) - x$$

Sequence: A047781
Score: 9.49062
Type of gen. func.: revogf

$$-\frac{4 (8 x^2 + 4 x + 1)^{1/2} x + (8 x^2 + 4 x + 1)^{1/2} - 1 - 6 x - 12 x^2}{2 x (2 x + 1)}$$

Sequence: A047786
Score: 12.7885
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 45 x^2 + 104 x + 29}{(x - 1) (x^3 + 14 x^2 + 19 x + 2)}$$

Sequence: A047786
Score: 3.87378
Type of gen. func.: ogf

2 2

```
{(-436 n  - 1359 n - 974) a(n + 1) + (6425 n  + 45320 n + 93734) a(n + 2)

               2
     + (-5989 n  - 21749 n - 19542) a(n + 3), a(0) = 0, a(1) = 6, a(2) = 87}
```

Sequence: A047786
Score: 8.45568
Type of gen. func.: ogf

```
                                 3       2
                           3 x (x  + 14 x  + 19 x + 2)
                         - ----------------------------
                                            5
                                    (x - 1)
```

Sequence: A047790
Score: 13.8128
Type of gen. func.: lgdogf

```
                                3       2
                             8 x  - 27 x  + 24 x - 6
                       - ---------------------------------
                                                    2
                         (x - 1) (2 x - 1) (x  - 3 x + 1)
```

Sequence: A047790
Score: 15.7277
Type of gen. func.: ogf

```
                                        3
                                       x
                        ---------------------------------
                                                    2
                        (2 x - 1) (x - 1) (x  - 3 x + 1)
```

Sequence: A047790
Score: 7.86383
Type of gen. func.: ogf

```
                    4           3             2    3
           -2 f(x) x  + 9 f(x) x  - 12 f(x) x  + x  + 6 f(x) x - f(x)
```

Sequence: A047810
Score: 3.13832
Type of gen. func.: ogf

$$\frac{4 x (x + 1)}{(x - 1)^4}$$

Sequence: A047810
Score: 9.50600
Type of gen. func.: ogf_with_Euler_transform]

$$[5 - x]$$

Sequence: A047810
Score: 9.77457
Type of gen. func.: lgdogf

$$- \frac{3 x + 5}{(x - 1) (x + 1)}$$

Sequence: A047819
Score: 10.5974
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^4 + 37 x^3 + 95 x^2 + 65 x + 10)}{(x - 1) (x^4 + 10 x^3 + 20 x^2 + 10 x + 1)}$$

Sequence: A047819
Score: 3.85722
Type of gen. func.: ogf

$$\{(-n^2 - 13 n - 42) a(n + 1) + (2 n^2 + 20 n + 72) a(n + 2)$$
$$+ (-n^2 - 7 n - 12) a(n + 3), a(0) = 1, a(1) = 20, a(2) = 175\}$$

Sequence: A047819
Score: 4.64910
Type of gen. func.: ogf

$$\frac{x^4 + 10 x^3 + 20 x^2 + 10 x + 1}{}$$

$$(x - 1)^{10}$$

Sequence: A047835
Score: 3.13277
Type of gen. func.: ogf

$$\{(n^3 + 24 n^2 + 191 n + 504) a(n + 1) + (20 n^2 + 240 n + 820) a(n + 2) + (-n^3 - 12 n^2 - 47 n - 60) a(n + 3), a(0) = 1, a(1) = 70, a(2) = 1764\}$$

Sequence: A047838
Score: 11.6819
Type of gen. func.: ogf

$$\frac{x^3 - x^2 - x - 1}{(x + 1) (x - 1)^3}$$

Sequence: A047838
Score: 15.8050
Type of gen. func.: lgdogf

$$- \frac{(x^2 + 2 x + 3) (x^2 - 2 x - 1)}{(x - 1) (x + 1) (x^3 - x^2 - x - 1)}$$

Sequence: A047838
Score: 6.71711
Type of gen. func.: ogf

$$(7 f(x) - 37) (f(x) x^4 - 2 f(x) x^3 - x^3 + 2 f(x) x + x^2 - f(x) + x + 1)$$

Sequence: A047849
Score: 14.7275
Type of gen. func.: revogf

$$-1 - 5 x + (9 x^2 - 2 x + 1)^{1/2}$$

$$- \frac{}{2 (3 + 4 x)}$$

Sequence: A047849
Score: 15.8902
Type of gen. func.: lgdogf

$$- \frac{2 (6 x^2 - 4 x + 1)}{(x - 1) (3 x - 1) (4 x - 1)}$$

Sequence: A047849
Score: 16.2905
Type of gen. func.: ogf

$$- \frac{3 x - 1}{(4 x - 1) (x - 1)}$$

Sequence: A047849
Score: 8.23676
Type of gen. func.: ogf

$$-(5 f(x) - 1) (4 f(x) x^2 - 5 f(x) x + f(x) + 3 x - 1)$$

Sequence: A047849
Score: 8.93990
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A047850
Score: 14.0052
Type of gen. func.: ogf

$$- \frac{4 x - 1}{(5 x - 1) (x - 1)}$$

Sequence: A047850

Score: 14.7069
Type of gen. func.: revogf

$$-\frac{-1 - 6 x + (16 x^2 - 4 x + 1)^{1/2}}{2 (5 x + 4)}$$

Sequence: A047850
Score: 15.8382
Type of gen. func.: lgdogf

$$-\frac{2 (10 x^2 - 5 x + 1)}{(x - 1) (4 x - 1) (5 x - 1)}$$

Sequence: A047850
Score: 6.92565
Type of gen. func.: ogf

$$-(29 f(x) - 13) (5 f(x) x^2 - 6 f(x) x + f(x) + 4 x - 1)$$

Sequence: A047850
Score: 7.68577
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 5 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A047851
Score: 12.4487
Type of gen. func.: ogf

$$-\frac{5 x - 1}{(6 x - 1) (x - 1)}$$

Sequence: A047851
Score: 13.0479
Type of gen. func.: revogf

$$-\frac{-1 - 7 x + (25 x^2 - 6 x + 1)^{1/2}}{}$$

$$2 (5 + 6 x)$$

Sequence: A047851
Score: 14.0516
Type of gen. func.: lgdogf

$$- \frac{2 (15 x^2 - 6 x + 1)}{(x - 1) (6 x - 1) (5 x - 1)}$$

Sequence: A047851
Score: 6.29429
Type of gen. func.: ogf

$$-(5 f(x) - 3) (6 f(x) x^2 - 7 f(x) x + f(x) + 5 x - 1)$$

Sequence: A047851
Score: 6.83161
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) + 6 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A047852
Score: 11.9164
Type of gen. func.: ogf

$$- \frac{6 x - 1}{(x - 1) (7 x - 1)}$$

Sequence: A047852
Score: 12.4822
Type of gen. func.: revogf

$$- \frac{-1 - 8 x + (36 x^2 - 8 x + 1)^{1/2}}{2 (6 + 7 x)}$$

Sequence: A047852

Score: 13.4424
Type of gen. func.: lgdogf

$$-\frac{2\,(21 x^2 - 7 x + 1)}{(x - 1)\,(6 x - 1)\,(7 x - 1)}$$

Sequence: A047852
Score: 5.8927
Type of gen. func.: ogf

$$-(53 f(x) - 37)\,(7 f(x) x^2 - 8 f(x) x + f(x) + 6 x - 1)$$

Sequence: A047852
Score: 6.53946
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 7 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A047853
Score: 14.0724
Type of gen. func.: ogf

$$-\frac{7 x - 1}{(8 x - 1)\,(x - 1)}$$

Sequence: A047853
Score: 14.4438
Type of gen. func.: revogf

$$-\frac{-1 - 9 x + (49 x^2 - 10 x + 1)^{1/2}}{2\,(7 + 8 x)}$$

Sequence: A047853
Score: 15.9252
Type of gen. func.: lgdogf

$$-\frac{2\,(28 x^2 - 8 x + 1)}{}$$

$$(x - 1) (8 x - 1) (7 x - 1)$$

Sequence: A047853
Score: 6.95891
Type of gen. func.: ogf

$$-(17 f(x) - 13) (8 f(x) x^2 - 9 f(x) x + f(x) + 7 x - 1)$$

Sequence: A047853
Score: 7.72268
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) + 8 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A047854
Score: 10.0535
Type of gen. func.: ogf

$$-\frac{8 x - 1}{(x - 1) (9 x - 1)}$$

Sequence: A047854
Score: 10.2477
Type of gen. func.: revogf

$$-\frac{-1 - 10 x + (64 x^2 - 12 x + 1)^{1/2}}{2 (8 + 9 x)}$$

Sequence: A047854
Score: 11.5615
Type of gen. func.: lgdogf

$$-\frac{2 (36 x^2 - 9 x + 1)}{(x - 1) (8 x - 1) (9 x - 1)}$$

Sequence: A047854

Score: 5.02673
Type of gen. func.: ogf

$$-(85 f(x) - 69) (9 f(x) x^2 - 10 f(x) x + f(x) + 8 x - 1)$$

Sequence: A047854
Score: 5.57180
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 9 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A047855
Score: 15.2226
Type of gen. func.: ogf

$$-\frac{9 x - 1}{(10 x - 1) (x - 1)}$$

Sequence: A047855
Score: 15.6285
Type of gen. func.: revogf

$$-\frac{-1 - 11 x + (81 x^2 - 14 x + 1)^{1/2}}{2 (9 + 10 x)}$$

Sequence: A047855
Score: 17.1533
Type of gen. func.: lgdogf

$$-\frac{2 (45 x^2 - 10 x + 1)}{(x - 1) (9 x - 1) (10 x - 1)}$$

Sequence: A047855
Score: 7.69315
Type of gen. func.: ogf

$$-(13 f(x) - 11) (10 f(x) x^2 - 11 f(x) x + f(x) + 9 x - 1)$$

Sequence: A047855
Score: 8.51740
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A047856
Score: 10.3210
Type of gen. func.: lgdogf

$$-\frac{2 (55 x^2 - 11 x + 1)}{(x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A047856
Score: 4.83494
Type of gen. func.: ogf

$$-(f(x) + 1) (11 f(x) x^2 - 12 f(x) x + f(x) + 10 x - 1)$$

Sequence: A047856
Score: 5.29540
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 11 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A047856
Score: 9.22300
Type of gen. func.: revogf

$$-\frac{-1 - 12 x + (100 x^2 - 16 x + 1)^{1/2}}{2 (10 + 11 x)}$$

Sequence: A047856
Score: 9.26696
Type of gen. func.: ogf

$$-\frac{10x-1}{(11x-1)(x-1)}$$

Sequence: A047859
Score: 13.1244
Type of gen. func.: ogf

$$\frac{x^2+x-1}{(x-1)(2x-1)^2}$$

Sequence: A047859
Score: 14.3671
Type of gen. func.: lgdogf

$$-\frac{2x^3+5x^2-10x+4}{(x-1)(2x-1)(x^2+x-1)}$$

Sequence: A047859
Score: 7.02268
Type of gen. func.: ogf

$$(16 f(x) + 543) (4 f(x) x^3 - 8 f(x) x^2 + 5 f(x) x - x^2 - f(x) - x + 1)$$

Sequence: A047859
Score: 7.08483
Type of gen. func.: ogf

{-a(n + 3) + 5 a(n + 2) - 8 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 4, a(2) = 11}

Sequence: A047860
Score: 11.5788
Type of gen. func.: ogf

$$\frac{3x^2-1}{(x-1)(2x-1)^2}$$

Sequence: A047860
Score: 14.3671
Type of gen. func.: lgdogf

$$-\frac{6x^3+3x^2-12x+5}{(x-1)(2x-1)(3x^2-1)}$$

Sequence: A047860
Score: 5.84063
Type of gen. func.: ogf

{-a(n + 3) + 5 a(n + 2) - 8 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 5, a(2) = 14}

Sequence: A047860
Score: 5.99991
Type of gen. func.: ogf

$$(36 f(x) + 965) (4 f(x) x^3 - 8 f(x) x^2 + 5 f(x) x - 3 x^2 - f(x) + 1)$$

Sequence: A047861
Score: 13.1244
Type of gen. func.: ogf

$$\frac{5x^2-x-1}{(x-1)(2x-1)^2}$$

Sequence: A047861
Score: 14.0548
Type of gen. func.: lgdogf

$$-\frac{10x^3+x^2-14x+6}{(x-1)(2x-1)(5x^2-x-1)}$$

Sequence: A047861
Score: 6.84261
Type of gen. func.: ogf

$$(416 f(x) + 14763) (4 f(x) x^{3} - 8 f(x) x^{2} + 5 f(x) x - 5 x^{2} - f(x) + x + 1)$$

Sequence: A047861
Score: 7.08483
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 8 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 6, a(2) = 17\}$$

Sequence: A047862
Score: 12.5538
Type of gen. func.: ogf

$$\frac{7 x^{2} - 2 x - 1}{(x - 1) (2 x - 1)^{2}}$$

Sequence: A047862
Score: 12.7734
Type of gen. func.: lgdogf

$$- \frac{14 x^{3} - x^{2} - 16 x + 7}{(x - 1) (2 x - 1) (7 x^{2} - 2 x - 1)}$$

Sequence: A047862
Score: 6.65895
Type of gen. func.: ogf

$$(55 f(x) + 2601) (4 f(x) x^{3} - 8 f(x) x^{2} + 5 f(x) x - 7 x^{2} - f(x) + 2 x + 1)$$

Sequence: A047862
Score: 6.77681
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 8 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 7, a(2) = 20\}$$

Sequence: A047865
Score: 4.25953
Type of gen. func.: egf]

$$\{(-n - 5) a(n + 5) + (n + 4) a(n + 4) + a(n + 1), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 1/4\}$$

Sequence: A047865
Score: 44.9420
Type of gen. func.: lgdegf]

$$x^{3} + (x - 1) f(x)$$

Sequence: A047866
Score: 6.06589
Type of gen. func.: ogf

$$\frac{x (3 x^{6} - 2 x^{5} + 3 x^{4} - x^{3} + 2 x^{2} + 1)}{(x^{4} + 1) (x^{2} + 1) (x + 1) (x - 1)^{4}}$$

Sequence: A047876
Score: 4.83127
Type of gen. func.: ogf

$$\frac{2 x (x^{13} + x^{11} - x^{9} - 2 x^{8} - 4 x^{7} - x^{6} + x^{5} + 2 x^{4} - 4 x^{2} - 4 x - 3)}{(x^{2} + 1) (x + 1) (x^{2} + x + 1)^{2} (x - 1)^{3}}$$

Sequence: A047877
Score: 4.57429
Type of gen. func.: ogf

$$x (x^{13} + x^{11} - x^{9} - 2 x^{8} - 4 x^{7} - x^{6} + x^{5} + 2 x^{4} - 4 x^{2} - 4 x - 3)$$

$${}^{2} \qquad\qquad {}^{2} \qquad\qquad {}^{2} \qquad\qquad {}^{3}$$

$$(x + 1) (x + 1) (x + x + 1) (x - 1)$$

Sequence: A047878
Score: 10.0845
Type of gen. func.: ogf

$$\frac{x (2 x^4 - 2 x^3 - x^2 - x + 3)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A047878
Score: 13.8623
Type of gen. func.: lgdogf

$$\frac{2 (x^4 - x^3 - 2 x^2 - 1)}{(x - 1) (x^2 + x + 1) (2 x^4 - 2 x^3 - x^2 - x + 3)}$$

Sequence: A047879
Score: 4.39410
Type of gen. func.: ogf

$$\frac{2 x (x^{10} + 3 x^9 - x^8 - 4 x^7 - 5 x^6 - 4 x^5 - 2 x^3 - 4 x^2 - 5 x - 5)}{(x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A047880
Score: 4.57717
Type of gen. func.: ogf

$$\frac{x (x^{10} + 3 x^9 - x^8 - 4 x^7 - 5 x^6 - 4 x^5 - 2 x^3 - 4 x^2 - 5 x - 5)}{(x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A047881
Score: 4.56125
Type of gen. func.: ogf

$$-\frac{2 x (x^{10} + 3 x^9 - x^8 - 4 x^7 - 5 x^6 - 4 x^5 - 2 x^3 - 4 x^2 - 5 x - 5)}{(x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A047882
Score: 4.82361
Type of gen. func.: ogf

$$-\frac{x (x^{10} + 3 x^9 - x^8 - 4 x^7 - 5 x^6 - 4 x^5 - 2 x^3 - 4 x^2 - 5 x - 5)}{(x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A047883
Score: 5.44275
Type of gen. func.: ogf

$$\frac{x (2 x^5 - 2 x^4 - 4 x^3 + 4 x^2 + 5 x + 2)}{(x - 1)^2}$$

Sequence: A047883
Score: 5.89311
Type of gen. func.: lgdogf

$$\frac{6 x^5 - 14 x^4 + 4 x^3 + 12 x^2 - 13 x - 9}{(x - 1) (2 x^5 - 2 x^4 - 4 x^3 + 4 x^2 + 5 x + 2)}$$

Sequence: A047891
Score: 10.2407
Type of gen. func.: lgdogf

$$-\frac{-2 x - 1 + (4 x^2 - 8 x + 1)^{1/2}}{2 (4 x^2 - 8 x + 1)^{1/2} x}$$

Sequence: A047891

Score: 35.2023
Type of gen. func.: revogf

$$-\frac{x (x - 1)}{2 x + 1}$$

Sequence: A047891
Score: 9.75279
Type of gen. func.: ogf

$$-f(x)^2 x - 2 f(x) x + f(x) - 1$$

Sequence: A047900
Score: 11.8075
Type of gen. func.: ogf

$$-10 f(x) x + f(x) + 16 x - 8$$

Sequence: A047900
Score: 14.2295
Type of gen. func.: ogf

$$\frac{8 (2 x - 1)}{10 x - 1}$$

Sequence: A047900
Score: 14.2997
Type of gen. func.: revogf

$$1/4 + \frac{5 x}{16} - \frac{(25 x^2 + 24 x + 16)^{1/2}}{16}$$

Sequence: A047900
Score: 28.5995
Type of gen. func.: lgdogf

$$\frac{8}{(10 x - 1) (2 x - 1)}$$

Sequence: A047900
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1), a(0) = 8, a(1) = 64\}$$

Sequence: A047903
Score: 4.15888
Type of gen. func.: ogf

$$- 13 (46126080 x^7 - 1467648 x^6 - 235872 x^5 - 22176 x^4 - 3636 x^3 - 972 x^2 + 4 x + 1) / (1000 x^2 - 1)$$

Sequence: A047915
Score: 13.2727
Type of gen. func.: ogf

$$- \frac{11 x^2 - 11 x + 6}{(x - 1)^3}$$

Sequence: A047915
Score: 24.8695
Type of gen. func.: lgdogf

$$- \frac{11 x^2 + 7}{(x - 1) (11 x^2 - 11 x + 6)}$$

Sequence: A047915
Score: 6.85393
Type of gen. func.: ogf

$$-(324 f(x) - 1405) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 11 x^2 - f(x) - 11 x + 6)$$

Sequence: A047915
Score: 7.39981
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 6, a(1) = 7, a(2) = 14\}$$

Sequence: A047926
Score: 12.9346
Type of gen. func.: ogf

$$\frac{2 x - 1}{(3 x - 1) (x - 1)^{2}}$$

Sequence: A047926
Score: 17.2398
Type of gen. func.: lgdogf

$$- \frac{12 x^{2} - 11 x + 3}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A047926
Score: 6.12085
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 7 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 3, a(2) = 8\}$$

Sequence: A047926
Score: 6.34754
Type of gen. func.: ogf

$$-(61 f(x) + 3) (3 f(x) x^{3} - 7 f(x) x^{2} + 5 f(x) x - f(x) - 2 x + 1)$$

Sequence: A047927
Score: 28.2635
Type of gen. func.: lgdogf

$$- \frac{4 (2 + 3 x)}{}$$

$$(3 x + 1) (x - 1)$$

Sequence: A047927
Score: 4.56167
Type of gen. func.: ogf

$\{(-n - 2) a(n + 3) + (6 - 2 n) a(n + 2) + (12 + 3 n) a(n + 1), a(0) = 0,$

$a(1) = 6, a(2) = 48\}$

Sequence: A047927
Score: 9.06332
Type of gen. func.: ogf

$$- \frac{6 x (3 x + 1)}{(x - 1)^{5}}$$

Sequence: A047928
Score: 31.1507
Type of gen. func.: lgdogf

$$- \frac{2 (3 + 2 x)}{(x - 1) (x + 1)}$$

Sequence: A047928
Score: 32.8420
Type of gen. func.: ogf_with_Euler_transform]

[6 - x]

Sequence: A047928
Score: 5.15411
Type of gen. func.: ogf

$\{(n + 2) a(n + 3) - 6 a(n + 2) + (-n - 4) a(n + 1), a(0) = 0, a(1) = 12,$

$a(2) = 72\}$

Sequence: A047928

Score: 9.03643
Type of gen. func.: ogf

$$-\frac{12\, x\, (x + 1)}{(x - 1)^{5}}$$

Sequence: A047929
Score: 34.4406
Type of gen. func.: lgdogf

$$-\frac{4\, (x + 4)}{(x + 3)\, (x - 1)}$$

Sequence: A047929
Score: 4.60067
Type of gen. func.: ogf

$\{(6 + 3 n)\, a(n + 3) + (-18 - 2 n)\, a(n + 2) + (-n - 4)\, a(n + 1),\ a(0) = 0,$

$a(1) = 18,\ a(2) = 96\}$

Sequence: A047929
Score: 9.20134
Type of gen. func.: ogf

$$-\frac{6\, x\, (x + 3)}{(x - 1)^{5}}$$

Sequence: A047946
Score: 10.3198
Type of gen. func.: ogf

$$-\frac{2 x^{2} + 4 x - 3}{(x + 1)\, (x^{2} - 3 x + 1)}$$

Sequence: A047946
Score: 10.4461
Type of gen. func.: lgdogf

$$-\frac{2x^4+8x^3-13x^2+8x+2}{(x+1)(x^2-3x+1)(2x^2+4x-3)}$$

Sequence: A047946
Score: 5.62058
Type of gen. func.: ogf

{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 3, a(1) = 2, a(2) = 8}

Sequence: A047946
Score: 6.83197
Type of gen. func.: ogf

$$-(7 f(x) - 9) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + 2 x^2 + f(x) + 4 x - 3)$$

Sequence: A047974
Score: 138.975
Type of gen. func.: lgdegf]

$$2 x + 1$$

Sequence: A047974
Score: 7.17823
Type of gen. func.: ogf

{(-2 n - 4) a(n + 1) + a(n + 3) - a(n + 2), a(0) = 1, a(1) = 1, a(2) = 3}

Sequence: A047992
Score: 7.56573
Type of gen. func.: ogf

$$-(f(x) - 2) (f(x) x^2 + x^3 + f(x) x + 3 x^2 - f(x) + 3 x + 2)$$

Sequence: A048052
Score: 3.87592

Type of gen. func.: ogf

$$(f(x) x - f(x) + 2)^2$$

Sequence: A048058
Score: 11.5458
Type of gen. func.: ogf

$$-\frac{11 x^2 - 20 x + 11}{(x - 1)^3}$$

Sequence: A048058
Score: 18.0903
Type of gen. func.: lgdogf

$$-\frac{11 x^2 - 18 x + 13}{(x - 1) (11 x^2 - 20 x + 11)}$$

Sequence: A048058
Score: 6.15773
Type of gen. func.: ogf

$$-(f(x) + 144) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 11 x^2 - f(x) - 20 x + 11)$$

Sequence: A048058
Score: 6.42546
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 11, a(1) = 13, a(2) = 17\}$$

Sequence: A048162
Score: 10.4141
Type of gen. func.: ogf

$$-\frac{(x + 1) (3 x^4 - x^3 - 2 x^2 + 2 x - 1)}{}$$

$$(x - 1) (x^2 + x - 1)$$

Sequence: A048162
Score: 8.00147
Type of gen. func.: lgdogf

$$\frac{6 x^7 + 2 x^6 - 24 x^5 + 3 x^4 + 18 x^3 - 6 x^2 - 1}{(x - 1) (x + 1) (x^2 + x - 1) (3 x^4 - x^3 - 2 x^2 + 2 x - 1)}$$

Sequence: A048172
Score: 24.0463
Type of gen. func.: revegf]

$$\frac{-x^2 + \ln(x + 1) x + \ln(x + 1)}{x + 1}$$

Sequence: A048173
Score: 5.43523
Type of gen. func.: revegf]

$$-\exp(x) - \exp(-x) + x + 2$$

Sequence: A048260
Score: 10.1125
Type of gen. func.: lgdogf

$$\frac{7 x^9 - 15 x^8 + 8 x^7 + 2 x^4 - 5 x^3 + 3 x^2 - 13 x + 15}{(x - 1) (x^9 - x^8 + x^4 - x^3 + 2 x^2 + 9 x - 12)}$$

Sequence: A048260
Score: 9.83583
Type of gen. func.: ogf

$$- \frac{2 (x^9 - x^8 + x^4 - x^3 + 2 x^2 + 9 x - 12)}{2}$$

$$(x - 1)$$

Sequence: A048268
Score: 5.0887
Type of gen. func.: ogf

$$(6574768 f(x) - 43555268437) (f(x) x^3 + 19 x^4 - 3 f(x) x^2 - 6684 x^3 + 3 f(x) x + 19945 x^2 - f(x) - 19919 x + 6643)$$

Sequence: A048268
Score: 5.32460
Type of gen. func.: ogf

$$\{a(n + 5) - 3 a(n + 4) + 3 a(n + 3) - a(n + 2), a(0) = 6643, a(1) = 10, a(2) = 46, a(3) = 67, a(4) = 92\}$$

Sequence: A048268
Score: 8.73928
Type of gen. func.: ogf

$$- \frac{19 x^4 - 6684 x^3 + 19945 x^2 - 19919 x + 6643}{(x - 1)^3}$$

Sequence: A048268
Score: 9.98354
Type of gen. func.: lgdogf

$$\frac{19 x^4 - 76 x^3 + 107 x^2 - 52 x - 10}{(x - 1) (19 x^4 - 6684 x^3 + 19945 x^2 - 19919 x + 6643)}$$

Sequence: A048269
Score: 6.08646
Type of gen. func.: ogf

$$(81 x^{10} - 259 x^8 + 14 x^7 + 283 x^6 - 46 x^5 - 106 x^4 + 54 x^3 - 6 x^2 - 26 x - 5)$$

$$\Big/ \left((x - 1)^3 (x + 1)^3\right)$$

Sequence: A048271
Score: 14.3625
Type of gen. func.: ogf

$$-\frac{7 x^5 - 2 x^4 - 3 x^3 + x^2 + 7 x + 1}{(x - 1) (x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A048271
Score: 9.38797
Type of gen. func.: lgdogf

$$- (7 x^{10} - 4 x^9 - 7 x^8 + 10 x^7 + 32 x^6 - 50 x^5 + 36 x^4 - 2 x^3 - 10 x^2 + 2 x + 8) \Big/ \left((x - 1) (x + 1) (x^4 - x^3 + x^2 - x + 1) (7 x^5 - 2 x^4 - 3 x^3 + x^2 + 7 x + 1)\right)$$

Sequence: A048287
Score: 48.4137
Type of gen. func.: revegf]

$$-\ln(x^2 - x + 1)$$

Sequence: A048305
Score: 5.00869
Type of gen. func.: ogf

$$x (7 x^{15} + 8 x^{13} + 8 x^{12} + 8 x^{11} + 8 x^{10} + 8 x^9 + 8 x^8 + 2 x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) \Big/ \left((x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2\right)$$

Sequence: A048306
Score: 4.49705
Type of gen. func.: ogf

$$x (8 x^{17} + 9 x^{15} + 9 x^{14} + 9 x^{13} + 9 x^{12} + 9 x^{11} + 9 x^{10} + 9 x^{9} + 2 x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) / ((x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2})$$

Sequence: A048328
Score: 12.2158
Type of gen. func.: ogf

$$3 f(x) x^{4} - 4 f(x) x^{2} - 2 x^{2} + f(x) - x$$

Sequence: A048328
Score: 12.2690
Type of gen. func.: lgdogf

$$- \frac{2 (9 x^{4} + 6 x^{3} - 4 x^{2} - 4 x - 1)}{(x - 1) (2 x + 1) (x + 1) (3 x^{2} - 1)}$$

Sequence: A048328
Score: 13.8608
Type of gen. func.: ogf

$$\frac{x (2 x + 1)}{(x - 1) (x + 1) (3 x^{2} - 1)}$$

Sequence: A048329
Score: 12.0458
Type of gen. func.: ogf

$$\frac{x (3 x^{2} + 2 x + 1)}{(x - 1) (4 x^{3} - 1) (x^{2} + x + 1)}$$

Sequence: A048329
Score: 7.95473
Type of gen. func.: lgdogf

$$-\frac{48 x^{7} + 40 x^{6} + 24 x^{5} - 15 x^{4} - 20 x^{3} - 15 x^{2} - 6 x - 2}{(x - 1) (3 x^{2} + 2 x + 1) (4 x^{3} - 1) (x^{2} + x + 1)}$$

Sequence: A048330
Score: 11.0869
Type of gen. func.: ogf

$$\frac{x (4 x^{3} + 3 x^{2} + 2 x + 1)}{(x - 1) (x + 1) (x^{2} + 1) (5 x^{4} - 1)}$$

Sequence: A048330
Score: 6.07947
Type of gen. func.: lgdogf

$$- 2 (50 x^{10} + 45 x^{9} + 35 x^{8} + 20 x^{7} - 12 x^{6} - 18 x^{5} - 18 x^{4} - 12 x^{3} - 6 x^{2} - 3 x - 1) / ((x - 1) (x + 1) (x^{2} + 1) (4 x^{3} + 3 x^{2} + 2 x + 1) (5 x^{4} - 1))$$

Sequence: A048331
Score: 9.67960
Type of gen. func.: ogf

$$\frac{x (5 x^{4} + 4 x^{3} + 3 x^{2} + 2 x + 1)}{(x - 1) (x^{4} + x^{3} + x^{2} + x + 1) (6 x^{5} - 1)}$$

Sequence: A048332
Score: 8.93245
Type of gen. func.: ogf

$$\frac{x\,(6x^5+5x^4+4x^3+3x^2+2x+1)}{(x-1)\,(x+1)\,(x^2+x+1)\,(x^2-x+1)\,(7x^6-1)}$$

Sequence: A048333
Score: 8.43115
Type of gen. func.: ogf

$$\frac{x\,(7x^6+6x^5+5x^4+4x^3+3x^2+2x+1)}{(x-1)\,(x^6+x^5+x^4+x^3+x^2+x+1)\,(8x^7-1)}$$

Sequence: A048334
Score: 7.55078
Type of gen. func.: ogf

$$\frac{x\,(8x^7+7x^6+6x^5+5x^4+4x^3+3x^2+2x+1)}{(x-1)\,(x+1)\,(x^2+1)\,(3x^4-1)\,(3x^4+1)\,(x^4+1)}$$

Sequence: A048335
Score: 6.45472
Type of gen. func.: ogf

$$x\,(10x^9+9x^8+8x^7+7x^6+6x^5+5x^4+4x^3+3x^2+2x+1)\Big/\Big((x-1)\,(x+1)\,(x^4+x^3+x^2+x+1)\,(x^4-x^3+x^2-x+1)\,(11x^{10}-1)\Big)$$

Sequence: A048336
Score: 6.05922
Type of gen. func.: ogf

$$x\,(11x^{10}+10x^9+9x^8+8x^7+7x^6+6x^5+5x^4+4x^3+3x^2+2x+1)\Big/\Big((x-1)\,(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)\,(12x^{11}-1)\Big)$$

Sequence: A048345
Score: 13.3687
Type of gen. func.: revogf

$$\frac{-5 + (10 x^2 + 320 x + 25)^{1/2}}{10 (32 + x)}$$

Sequence: A048345
Score: 14.4527
Type of gen. func.: lgdogf

$$- \frac{4 (80 x^2 + 5 x + 8)}{(32 x + 1) (10 x^2 - 1)}$$

Sequence: A048345
Score: 3.25762
Type of gen. func.: ogf

$$- 10 x (15210000000 x^{16} + 480000000 x^{15} + 108160 x^3 + 3380 x^2 + 5408 x + 169) / (150000000 x^{16} - 480000000 x^{15} + 33800 x^4 - 1690 x^2 - 169)$$

Sequence: A048345
Score: 7.70584
Type of gen. func.: ogf

$$-f(x) (10 f(x) x^2 + 320 x^2 - f(x) + 10 x)$$

Sequence: A048355
Score: 6.14126
Type of gen. func.: ogf

$$- \frac{x (2250 x^4 + 535 x^2 + 200 x + 24)}{2}$$

$$10 x - 1$$

Sequence: A048365
Score: 10.1036
Type of gen. func.: lgdogf

$$-\frac{5 (160 x^4 + 20 x^3 + 156 x^2 + 32 x + 1)}{(10 x^3 - 1) (80 x^2 + 5 x + 26)}$$

Sequence: A048365
Score: 11.2242
Type of gen. func.: ogf

$$-\frac{160 x^4 + 52 x^2 + 1}{10 x^3 - 1}$$

Sequence: A048365
Score: 5.71234
Type of gen. func.: ogf

$$\{a(n + 5) - 10 a(n + 2), a(0) = 1, a(1) = 0, a(2) = 52, a(3) = 10, a(4) = 160\}$$

Sequence: A048365
Score: 6.27238
Type of gen. func.: ogf

$$-(79163907 f(x) + 349294592) (10 f(x) x^3 + 160 x^4 + 52 x^2 - f(x) + 1)$$

Sequence: A048379
Score: 6.39962
Type of gen. func.: ogf

$$-\frac{10 x^{20} - 20 x^{10} + 9 x^9 - x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 1}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A048395
Score: 21.0766
Type of gen. func.: lgdogf

$$-\frac{2\,(x^2 + 10\,x + 13)}{(x + 5)\,(x - 1)\,(x + 1)}$$

Sequence: A048395
Score: 5.0522
Type of gen. func.: ogf

$$(316656\,f(x) + 1192975)$$

$$(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - x^3 - 4\,f(x)\,x - 6\,x^2 + f(x) - 5\,x)$$

Sequence: A048395
Score: 9.96600
Type of gen. func.: ogf

$$\frac{x\,(x + 5)\,(x + 1)}{(x - 1)^4}$$

Sequence: A048396
Score: 12.2786
Type of gen. func.: lgdogf

$$-\frac{9\,x^3 + 77\,x^2 + 119\,x + 35}{(x - 1)\,(x + 1)\,(3\,x^2 + 14\,x + 3)}$$

Sequence: A048396
Score: 4.29718
Type of gen. func.: ogf

$$\{(-4\,n^2 - 19\,n - 21)\,a(n + 1) + (8\,n^2 + 40\,n + 137)\,a(n + 2)$$

$$+ (-4\,n^2 - 21\,n - 26)\,a(n + 3),\ a(0) = 0,\ a(1) = 27,\ a(2) = 315\}$$

Sequence: A048396
Score: 7.41872
Type of gen. func.: ogf

$$\frac{9 x (x + 1) (3 x^{2} + 14 x + 3)}{(x - 1)^{6}}$$

Sequence: A048397
Score: 4.04835
Type of gen. func.: ogf

$$\frac{x (x + 1) (x^{5} + 127 x^{4} + 2014 x^{3} + 5786 x^{2} + 2033 x + 119)}{(x - 1)^{8}}$$

Sequence: A048397
Score: 5.57729
Type of gen. func.: lgdogf

$$- \frac{2 (x^{6} + 195 x^{5} + 4602 x^{4} + 23782 x^{3} + 35157 x^{2} + 15351 x + 1552)}{(x - 1) (x + 1) (x^{5} + 127 x^{4} + 2014 x^{3} + 5786 x^{2} + 2033 x + 119)}$$

Sequence: A048437
Score: 5.52187
Type of gen. func.: ogf

$$\frac{760 x^{5} - 1380 x^{4} + 500 x^{3} + 100 x^{2} + 20 x - 1}{(25 x - 1) (x - 1)^{2}}$$

Sequence: A048438
Score: 4.98341
Type of gen. func.: ogf

$$9300 x^{6} - 17070 x^{5} + 6480 x^{4} + 1080 x^{3} + 180 x^{2} + 30 x - 1$$

$$\frac{\qquad}{(36 x - 1) (x - 1)^{2}}$$

Sequence: A048439
Score: 4.41453
Type of gen. func.: ogf

$$(137214 x^{7} - 254856 x^{6} + 100842 x^{5} + 14406 x^{4} + 2058 x^{3} + 294 x^{2} + 42 x - 1) / ((49 x - 1) (x - 1)^{2})$$

Sequence: A048440
Score: 3.91992
Type of gen. func.: ogf

$$(2396688 x^{8} - 4493832 x^{7} + 1835008 x^{6} + 229376 x^{5} + 28672 x^{4} + 3584 x^{3} + 448 x^{2} + 56 x - 1) / ((64 x - 1) (x - 1)^{2})$$

Sequence: A048442
Score: 7.10026
Type of gen. func.: lgdogf

$$169 - 858 x + 1089 x^{2} + (726 x^{3} - 1078 x^{2} + 378 x - 26) f(x) + (121 x^{4} - 264 x^{3} + 166 x^{2} - 24 x + 1) f(x)^{2}$$

Sequence: A048443
Score: 5.97107
Type of gen. func.: lgdogf

$$196 - 1008 x + 1296 x^{2} + (864 x^{3} - 1272 x^{2} + 436 x - 28) f(x) + (144 x^{4} - 312 x^{3} + 193 x^{2} - 26 x + 1) f(x)^{2}$$

Sequence: A048447

Score: 5.2655
Type of gen. func.: ogf

$$-(f(x) - 1)^2 (16 f(x) x^3 - 33 f(x) x^2 + 18 f(x) x - f(x) + 1)$$

Sequence: A048467
Score: 10.3244
Type of gen. func.: ogf

$$\frac{9 x^2 - 3 x - 1}{(x - 1) (2 x - 1)^2}$$

Sequence: A048467
Score: 12.0874
Type of gen. func.: lgdogf

$$- \frac{(3 x - 2) (6 x^2 + 3 x - 4)}{(x - 1) (2 x - 1) (9 x^2 - 3 x - 1)}$$

Sequence: A048467
Score: 5.4292
Type of gen. func.: ogf

$$(144 f(x) + 8845) (4 f(x) x^3 - 8 f(x) x^2 + 5 f(x) x - 9 x^2 - f(x) + 3 x + 1)$$

Sequence: A048467
Score: 5.57333
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 8 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 8, a(2) = 23\}$$

Sequence: A048468
Score: 11.8549
Type of gen. func.: lgdogf

$$22 x^3 - 5 x^2 - 20 x + 9$$

$$- \frac{}{(x - 1) (2 x - 1) (11 x^2 - 4 x - 1)}$$

Sequence: A048468
Score: 12.4067
Type of gen. func.: ogf

$$\frac{11 x^2 - 4 x - 1}{(x - 1) (2 x - 1)^2}$$

Sequence: A048468
Score: 6.51876
Type of gen. func.: ogf

$$(644 f(x) + 50037) (4 f(x) x^3 - 8 f(x) x^2 + 5 f(x) x - 11 x^2 - f(x) + 4 x + 1)$$

Sequence: A048468
Score: 6.80720
Type of gen. func.: ogf

$\{-a(n + 3) + 5 a(n + 2) - 8 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 9, a(2) = 26\}$

Sequence: A048469
Score: 11.7570
Type of gen. func.: lgdogf

$$- \frac{26 x^3 - 7 x^2 - 22 x + 10}{(x - 1) (2 x - 1) (13 x^2 - 5 x - 1)}$$

Sequence: A048469
Score: 12.5175
Type of gen. func.: ogf

$$\frac{13 x^2 - 5 x - 1}{(x - 1) (2 x - 1)^2}$$

Sequence: A048469
Score: 6.46734
Type of gen. func.: ogf

$$(3904 f(x) + 374955)$$

$$(4 f(x) x^3 - 8 f(x) x^2 + 5 f(x) x - 13 x^2 - f(x) + 5 x + 1)$$

Sequence: A048469
Score: 6.80774
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 8 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 10, a(2) = 29\}$$

Sequence: A048470
Score: 10.1019
Type of gen. func.: lgdogf

$$- \frac{20 x^4 - 32 x^3 + 24 x^2 - 12 x + 3}{(x - 1) (2 x - 1) (5 x^3 - 7 x^2 + 4 x - 1)}$$

Sequence: A048470
Score: 7.61469
Type of gen. func.: ogf

$$\frac{5 x^3 - 7 x^2 + 4 x - 1}{(2 x - 1)^2 (x - 1)^3}$$

Sequence: A048473
Score: 13.6624
Type of gen. func.: ogf

$$\frac{x + 1}{(3 x - 1) (x - 1)}$$

Sequence: A048473
Score: 13.9984
Type of gen. func.: revogf

$$- \frac{-1 - 4 x + (4 x^{2} + 12 x + 1)^{1/2}}{2 (3 x - 1)}$$

Sequence: A048473
Score: 17.1980
Type of gen. func.: lgdogf

$$- \frac{3 x^{2} + 6 x - 5}{(x - 1) (3 x - 1) (x + 1)}$$

Sequence: A048473
Score: 7.06673
Type of gen. func.: ogf

$$(14 f(x) + 11) (3 f(x) x^{2} - 4 f(x) x + f(x) - x - 1)$$

Sequence: A048473
Score: 7.49763
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A048474
Score: 10.4882
Type of gen. func.: ogf

$$- \frac{x^{2} - x + 1}{(x - 1) (2 x - 1)^{2}}$$

Sequence: A048474
Score: 13.6186
Type of gen. func.: lgdogf

$$-\frac{2x^3 - 3x^2 + 6x - 4}{(x - 1)(2x - 1)(x^2 - x + 1)}$$

Sequence: A048474
Score: 5.66179
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 8 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 4, a(2) = 13\}$$

Sequence: A048474
Score: 5.6618
Type of gen. func.: ogf

$$(128 f(x) - 9) (4 f(x) x^3 - 8 f(x) x^2 + 5 f(x) x + x^2 - f(x) - x + 1)$$

Sequence: A048476
Score: 12.4339
Type of gen. func.: ogf

$$\frac{x^2 - x - 1}{(x - 1)(2x - 1)^2}$$

Sequence: A048476
Score: 14.1256
Type of gen. func.: lgdogf

$$-\frac{2x^3 - 3x^2 - 6x + 6}{(x - 1)(2x - 1)(x^2 - x - 1)}$$

Sequence: A048476
Score: 6.59537
Type of gen. func.: ogf

$${}^{3} \qquad\qquad {}^{2} \qquad\qquad\qquad {}^{2}$$

$(128 f(x) - 173) (4 f(x) x - 8 f(x) x + 5 f(x) x - x - f(x) + x + 1)$

Sequence: A048476
Score: 6.71211
Type of gen. func.: ogf

$\{a(n + 3) - 5 a(n + 2) + 8 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 6, a(2) = 21\}$

Sequence: A048477
Score: 12.5454
Type of gen. func.: ogf

$$\frac{2 x^2 - 2 x - 1}{(x - 1) (2 x - 1)^2}$$

Sequence: A048477
Score: 13.1289
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 6 x^2 - 6 x + 7}{(x - 1) (2 x - 1) (2 x^2 - 2 x - 1)}$$

Sequence: A048477
Score: 6.65452
Type of gen. func.: ogf

$$(280 f(x) - 603) (4 f(x) x^3 - 8 f(x) x^2 + 5 f(x) x - 2 x^2 - f(x) + 2 x + 1)$$

Sequence: A048477
Score: 6.77230
Type of gen. func.: ogf

$\{a(n + 3) - 5 a(n + 2) + 8 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 7, a(2) = 25\}$

Sequence: A048478

Score: 12.5454
Type of gen. func.: ogf

$$\frac{3 x^2 - 3 x - 1}{(x - 1) (2 x - 1)^2}$$

Sequence: A048478
Score: 13.1289
Type of gen. func.: lgdogf

$$- \frac{6 x^3 - 9 x^2 - 6 x + 8}{(x - 1) (2 x - 1) (3 x^2 - 3 x - 1)}$$

Sequence: A048478
Score: 6.59715
Type of gen. func.: ogf

$$(768 f(x) - 2309) (4 f(x) x^3 - 8 f(x) x^2 + 5 f(x) x - 3 x^2 - f(x) + 3 x + 1)$$

Sequence: A048478
Score: 6.77230
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 8 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 8, a(2) = 29\}$$

Sequence: A048479
Score: 12.5454
Type of gen. func.: ogf

$$\frac{4 x^2 - 4 x - 1}{(x - 1) (2 x - 1)^2}$$

Sequence: A048479
Score: 13.6759
Type of gen. func.: lgdogf

$$-\frac{(2x-3)(4x^2-3)}{(x-1)(2x-1)(4x^2-4x-1)}$$

Sequence: A048479
Score: 6.71289
Type of gen. func.: ogf

$$(28 f(x) - 109) (4 f(x) x^3 - 8 f(x) x^2 + 5 f(x) x - 4 x^2 - f(x) + 4 x + 1)$$

Sequence: A048479
Score: 6.77230
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 8 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 9, a(2) = 33\}$$

Sequence: A048480
Score: 11.8153
Type of gen. func.: lgdogf

$$-\frac{10x^3-15x^2-6x+10}{(x-1)(2x-1)(5x^2-5x-1)}$$

Sequence: A048480
Score: 12.8242
Type of gen. func.: ogf

$$\frac{5x^2-5x-1}{(x-1)(2x-1)^2}$$

Sequence: A048480
Score: 6.68611
Type of gen. func.: ogf

$$(1280 f(x) - 6147) (4 f(x) x^3 - 8 f(x) x^2 + 5 f(x) x - 5 x^2 - f(x) + 5 x + 1)$$

Sequence: A048480
Score: 6.86207
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 8 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 10, a(2) = 37\}$$

Sequence: A048481
Score: 10.9791
Type of gen. func.: ogf

$$\frac{4 x^2 - 3 x + 1}{(2 x - 1)^2 (x - 1)^2}$$

Sequence: A048481
Score: 11.9831
Type of gen. func.: lgdogf

$$-\frac{16 x^3 - 18 x^2 + 9 x - 3}{(x - 1) (2 x - 1) (4 x^2 - 3 x + 1)}$$

Sequence: A048481
Score: 6.33752
Type of gen. func.: ogf

$$f(x) (4 f(x) x^4 - 12 f(x) x^3 + 13 f(x) x^2 - 6 f(x) x - 4 x^2 + f(x) + 3 x - 1)$$

Sequence: A048482
Score: 5.15545
Type of gen. func.: ogf

$$-(3 f(x) + 64) (8 f(x) x^4 - 20 f(x) x^3 + 18 f(x) x^2 + 8 x^3 - 7 f(x) x - 10 x^2 + f(x) + 4 x - 1)$$

Sequence: A048482
Score: 8.36909
Type of gen. func.: lgdogf

$$-\frac{16 x^4 - 24 x^3 + 10 x^2 - 4 x + 3}{(x - 1) (2 x - 1) (8 x^3 - 10 x^2 + 4 x - 1)}$$

Sequence: A048482
Score: 9.34426
Type of gen. func.: ogf

$$-\frac{8 x^3 - 10 x^2 + 4 x - 1}{(x - 1) (2 x - 1)^3}$$

Sequence: A048487
Score: 15.1164
Type of gen. func.: ogf

$$\frac{3 x + 1}{(2 x - 1) (x - 1)}$$

Sequence: A048487
Score: 16.2594
Type of gen. func.: revogf

$$-\frac{-1 - 3 x + (x^2 + 18 x + 1)^{1/2}}{2 (2 x - 3)}$$

Sequence: A048487
Score: 16.6659
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^2 + 2 x - 3)}{(x - 1) (2 x - 1) (3 x + 1)}$$

Sequence: A048487
Score: 7.72999
Type of gen. func.: ogf

$$(23 f(x) + 139) (2 f(x) x^2 - 3 f(x) x + f(x) - 3 x - 1)$$

Sequence: A048487
Score: 8.29561
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A048488
Score: 14.2175
Type of gen. func.: ogf

$$\frac{4 x + 1}{(2 x - 1) (x - 1)}$$

Sequence: A048488
Score: 16.0594
Type of gen. func.: revogf

$$- \frac{-1 - 3 x + (x^2 + 22 x + 1)^{1/2}}{4 (-2 + x)}$$

Sequence: A048488
Score: 16.4820
Type of gen. func.: lgdogf

$$- \frac{8 x^2 + 4 x - 7}{(x - 1) (2 x - 1) (4 x + 1)}$$

Sequence: A048488
Score: 7.35386
Type of gen. func.: ogf

2

$$(17 f(x) + 32) (2 f(x) x - 3 f(x) x + f(x) - 4 x - 1)$$

Sequence: A048488
Score: 7.80228
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A048489
Score: 14.3672
Type of gen. func.: ogf

$$\frac{5 x + 1}{(2 x - 1) (x - 1)}$$

Sequence: A048489
Score: 15.4403
Type of gen. func.: revogf

$$- \frac{-1 - 3 x + (x^2 + 26 x + 1)^{1/2}}{2 (-5 + 2 x)}$$

Sequence: A048489
Score: 15.8263
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^2 + 2 x - 4)}{(x - 1) (5 x + 1) (2 x - 1)}$$

Sequence: A048489
Score: 7.51768
Type of gen. func.: ogf

$$(5 f(x) + 11) (2 f(x) x^2 - 3 f(x) x + f(x) - 5 x - 1)$$

Sequence: A048489

Score: 7.88441
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A048490
Score: 16.4911
Type of gen. func.: lgdogf

$$-\frac{12 x^2 + 4 x - 9}{(x - 1) (2 x - 1) (6 x + 1)}$$

Sequence: A048490
Score: 16.4911
Type of gen. func.: revogf

$$-\frac{-1 - 3 x + (x^2 + 30 x + 1)^{1/2}}{4 (-3 + x)}$$

Sequence: A048490
Score: 16.5595
Type of gen. func.: ogf

$$\frac{6 x + 1}{(2 x - 1) (x - 1)}$$

Sequence: A048490
Score: 8.56523
Type of gen. func.: ogf

$$(23 f(x) + 58) (2 f(x) x^2 - 3 f(x) x + f(x) - 6 x - 1)$$

Sequence: A048490
Score: 9.08751
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A048491
Score: 14.6665
Type of gen. func.: ogf

$$\frac{7 x + 1}{(2 x - 1) (x - 1)}$$

Sequence: A048491
Score: 15.7688
Type of gen. func.: revogf

$$- \frac{-1 - 3 x + (x^2 + 34 x + 1)^{1/2}}{2 (-7 + 2 x)}$$

Sequence: A048491
Score: 16.5775
Type of gen. func.: lgdogf

$$- \frac{2 (x + 1) (7 x - 5)}{(x - 1) (7 x + 1) (2 x - 1)}$$

Sequence: A048491
Score: 7.58609
Type of gen. func.: ogf

$$(13 f(x) + 37) (2 f(x) x^2 - 3 f(x) x + f(x) - 7 x - 1)$$

Sequence: A048491
Score: 7.95170
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A048492
Score: 12.8045
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 10 x^2 + 8 x - 3}{(2 x - 1) (x - 1) (2 x^2 - 2 x + 1)}$$

Sequence: A048492
Score: 4.90173
Type of gen. func.: ogf

$$-(319 f(x) + 64)$$

$$(2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 - 5 f(x) x - 2 x^2 + f(x) + 2 x - 1)$$

Sequence: A048492
Score: 9.66138
Type of gen. func.: ogf

$$\frac{2 x^2 - 2 x + 1}{(2 x - 1) (x - 1)^3}$$

Sequence: A048493
Score: 5.2561
Type of gen. func.: ogf

$$-(56 f(x) - 1115) (4 f(x) x^4 - 12 f(x) x^3 + 13 f(x) x^2 + 4 x^3 - 6 f(x) x - 5 x^2 + f(x) + 3 x - 1)$$

Sequence: A048493
Score: 8.12635
Type of gen. func.: lgdogf

$$-\frac{8 x^4 - 8 x^3 + 6 x^2 - 7 x + 3}{(2 x - 1) (x - 1) (4 x^3 - 5 x^2 + 3 x - 1)}$$

Sequence: A048493
Score: 9.78035
Type of gen. func.: ogf

$$-\frac{4x^3 - 5x^2 + 3x - 1}{(2x-1)^2 (x-1)^2}$$

Sequence: A048495
Score: 10.7643
Type of gen. func.: ogf

$$-\frac{4x^2 - 3x + 1}{(x-1)(2x-1)^2}$$

Sequence: A048495
Score: 12.3684
Type of gen. func.: lgdogf

$$-\frac{2(4x^3 - 4x^2 + 2x - 1)}{(x-1)(2x-1)(4x^2 - 3x + 1)}$$

Sequence: A048495
Score: 5.86271
Type of gen. func.: ogf

$$\{a(n+3) - 5a(n+2) + 8a(n+1) - 4a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A048495
Score: 5.91552
Type of gen. func.: ogf

$$(f(x) - 1)(4f(x)x^3 - 8f(x)x^2 + 5f(x)x + 4x^2 - f(x) - 3x + 1)$$

Sequence: A048496
Score: 10.4336
Type of gen. func.: ogf

2

$$- \frac{5 x - 3 x + 1}{(x - 1) (2 x - 1)^{2}}$$

Sequence: A048496
Score: 12.2181
Type of gen. func.: lgdogf

$$- \frac{10 x^{3} - 7 x^{2} + 2 x - 2}{(x - 1) (2 x - 1) (5 x^{2} - 3 x + 1)}$$

Sequence: A048496
Score: 5.43975
Type of gen. func.: ogf

$$-(48 f(x) - 29) (4 f(x) x^{3} - 8 f(x) x^{2} + 5 f(x) x + 5 x^{2} - f(x) - 3 x + 1)$$

Sequence: A048496
Score: 5.68259
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 8 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 2, a(2) = 7\}$$

Sequence: A048497
Score: 10.4336
Type of gen. func.: ogf

$$- \frac{6 x^{2} - 3 x + 1}{(x - 1) (2 x - 1)^{2}}$$

Sequence: A048497
Score: 12.9817
Type of gen. func.: lgdogf

$$- \frac{2 (6 x^{3} - 3 x^{2} - 1)}{{}^{2}}$$

$$(x - 1) (2 x - 1) (6 x - 3 x + 1)$$

Sequence: A048497
Score: 5.68259
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 8 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 2, a(2) = 8\}$$

Sequence: A048497
Score: 5.6826
Type of gen. func.: ogf

$$(12 f(x) - 7) (4 f(x) x^3 - 8 f(x) x^2 + 5 f(x) x + 6 x^2 - f(x) - 3 x + 1)$$

Sequence: A048498
Score: 10.7067
Type of gen. func.: ogf

$$- \frac{7 x^2 - 3 x + 1}{(x - 1) (2 x - 1)^2}$$

Sequence: A048498
Score: 12.5448
Type of gen. func.: lgdogf

$$- \frac{14 x^3 - 5 x^2 - 2 x - 2}{(x - 1) (2 x - 1) (7 x^2 - 3 x + 1)}$$

Sequence: A048498
Score: 5.67924
Type of gen. func.: ogf

$$(160 f(x) - 103) (4 f(x) x^3 - 8 f(x) x^2 + 5 f(x) x + 7 x^2 - f(x) - 3 x + 1)$$

Sequence: A048498
Score: 5.83135
Type of gen. func.: ogf

$$\{a(n+3) - 5\,a(n+2) + 8\,a(n+1) - 4\,a(n),\ a(0) = 1,\ a(1) = 2,\ a(2) = 9\}$$

Sequence: A048499
Score: 12.4897
Type of gen. func.: ogf

$$-\frac{8x^2 - 3x + 1}{(x-1)(2x-1)^2}$$

Sequence: A048499
Score: 12.5598
Type of gen. func.: lgdogf

$$-\frac{2(8x^3 - 2x^2 - 2x - 1)}{(x-1)(2x-1)(8x^2 - 3x + 1)}$$

Sequence: A048499
Score: 6.74220
Type of gen. func.: ogf

$$\{a(n+3) - 5\,a(n+2) + 8\,a(n+1) - 4\,a(n),\ a(0) = 1,\ a(1) = 2,\ a(2) = 10\}$$

Sequence: A048499
Score: 8.56032
Type of gen. func.: ogf

$$-4 f(x) x^3 + 8 f(x) x^2 - 5 f(x) x - 8 x^2 + f(x) + 3 x - 1$$

Sequence: A048500
Score: 12.4897
Type of gen. func.: ogf

$$9x^2 - 3x + 1$$

$$- \frac{\qquad}{(x - 1) (2 x - 1)^2}$$

Sequence: A048500
Score: 12.8061
Type of gen. func.: lgdogf

$$- \frac{18 x^3 - 3 x^2 - 6 x - 2}{(x - 1) (2 x - 1) (9 x^2 - 3 x + 1)}$$

Sequence: A048500
Score: 6.62494
Type of gen. func.: ogf

$$(336 f(x) - 281) (4 f(x) x^3 - 8 f(x) x^2 + 5 f(x) x + 9 x^2 - f(x) - 3 x + 1)$$

Sequence: A048500
Score: 6.74220
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 8 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 2, a(2) = 11\}$$

Sequence: A048501
Score: 12.3431
Type of gen. func.: ogf

$$- \frac{10 x^2 - 3 x + 1}{(x - 1) (2 x - 1)^2}$$

Sequence: A048501
Score: 12.6239
Type of gen. func.: lgdogf

$$- \frac{2 (10 x^3 - x^2 - 4 x - 1)}{(x - 1) (2 x - 1) (10 x^2 - 3 x + 1)}$$

Sequence: A048501
Score: 6.71289
Type of gen. func.: ogf

$$(56 f(x) - 53) (4 f(x) x^3 - 8 f(x) x^2 + 5 f(x) x + 10 x^2 - f(x) - 3 x + 1)$$

Sequence: A048501
Score: 6.77230
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 8 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 2, a(2) = 12\}$$

Sequence: A048502
Score: 12.3431
Type of gen. func.: ogf

$$- \frac{11 x^2 - 3 x + 1}{(x - 1) (2 x - 1)^2}$$

Sequence: A048502
Score: 12.3857
Type of gen. func.: lgdogf

$$- \frac{(2 x + 1) (11 x^2 - 6 x - 2)}{(x - 1) (2 x - 1) (11 x^2 - 3 x + 1)}$$

Sequence: A048502
Score: 6.59715
Type of gen. func.: ogf

$$(576 f(x) - 611) (4 f(x) x^3 - 8 f(x) x^2 + 5 f(x) x + 11 x^2 - f(x) - 3 x + 1)$$

Sequence: A048502

Score: 6.77230
Type of gen. func.: ogf

$$\{a(n+3) - 5\,a(n+2) + 8\,a(n+1) - 4\,a(n),\ a(0) = 1,\ a(1) = 2,\ a(2) = 13\}$$

Sequence: A048503
Score: 7.23239
Type of gen. func.: ogf

$$\frac{2x^3 - 6x^2 + 4x - 1}{(2x-1)^2 (x-1)^3}$$

Sequence: A048503
Score: 9.73627
Type of gen. func.: lgdogf

$$-\frac{8x^4 - 32x^3 + 32x^2 - 14x + 3}{(x-1)(2x-1)(2x^3 - 6x^2 + 4x - 1)}$$

Sequence: A048504
Score: 5.58378
Type of gen. func.: ogf

$$-\frac{4x^4 - 16x^3 + 16x^2 - 6x + 1}{(x-1)^2 (2x-1)^3}$$

Sequence: A048504
Score: 6.59672
Type of gen. func.: lgdogf

$$-\frac{2(4x^5 - 24x^4 + 32x^3 - 16x^2 + 4x - 1)}{(x-1)(2x-1)(4x^4 - 16x^3 + 16x^2 - 6x + 1)}$$

Sequence: A048506

Score: 5.28816
Type of gen. func.: ogf

$$-(3 f(x) + 739) (8 f(x) x^4 - 20 f(x) x^3 + 18 f(x) x^2 + 8 x^3 - 7 f(x) x - 11 x^2 + f(x) + 5 x - 1)$$

Sequence: A048506
Score: 8.72168
Type of gen. func.: lgdogf

$$-\frac{16 x^4 - 28 x^3 + 17 x^2 - 6 x + 2}{(x - 1) (2 x - 1) (8 x^3 - 11 x^2 + 5 x - 1)}$$

Sequence: A048506
Score: 9.65090
Type of gen. func.: ogf

$$-\frac{8 x^3 - 11 x^2 + 5 x - 1}{(x - 1) (2 x - 1)^3}$$

Sequence: A048507
Score: 5.09707
Type of gen. func.: ogf

$$(769 f(x) - 9146) (8 f(x) x^4 - 20 f(x) x^3 + 18 f(x) x^2 - 16 x^3 - 7 f(x) x + 17 x^2 + f(x) - 3 x - 1)$$

Sequence: A048507
Score: 9.18732
Type of gen. func.: ogf

$$\frac{16 x^3 - 17 x^2 + 3 x + 1}{(x - 1) (2 x - 1)^3}$$

Sequence: A048507
Score: 9.21880
Type of gen. func.: lgdogf

$$-\frac{32 x^4 - 36 x^3 - 13 x^2 + 30 x - 10}{(x - 1) (2 x - 1) (16 x^3 - 17 x^2 + 3 x + 1)}$$

Sequence: A048508
Score: 4.52325
Type of gen. func.: ogf

$$(261 f(x) + 31) (8 f(x) x^4 - 20 f(x) x^3 + 18 f(x) x^2 - 40 x^3 - 7 f(x) x + 43 x^2 + f(x) - 10 x - 1)$$

Sequence: A048508
Score: 7.99844
Type of gen. func.: ogf

$$\frac{40 x^3 - 43 x^2 + 10 x + 1}{(x - 1) (2 x - 1)^3}$$

Sequence: A048508
Score: 9.18127
Type of gen. func.: lgdogf

$$-\frac{80 x^4 - 92 x^3 - 17 x^2 + 54 x - 17}{(x - 1) (2 x - 1) (40 x^3 - 43 x^2 + 10 x + 1)}$$

Sequence: A048509
Score: 4.97289
Type of gen. func.: ogf

$$(40693 f(x) + 959127) (8 f(x) x^4 - 20 f(x) x^3 + 18 f(x) x^2 - 72 x^3 - 7 f(x) x + 77 x^2 + f(x) - 19 x - 1)$$

Sequence: A048509
Score: 8.92623
Type of gen. func.: lgdogf

$$-\frac{144 x^{4} - 164 x^{3} - 25 x^{2} + 86 x - 26}{(x - 1) (2 x - 1) (72 x^{3} - 77 x^{2} + 19 x + 1)}$$

Sequence: A048509
Score: 9.15741
Type of gen. func.: ogf

$$\frac{72 x^{3} - 77 x^{2} + 19 x + 1}{(x - 1) (2 x - 1)^{3}}$$

Sequence: A048510
Score: 5.09525
Type of gen. func.: ogf

$$(4301 f(x) + 264533) (8 f(x) x^{4} - 20 f(x) x^{3} + 18 f(x) x^{2} - 112 x^{3} - 7 f(x) x + 119 x^{2} + f(x) - 30 x - 1)$$

Sequence: A048510
Score: 8.25385
Type of gen. func.: lgdogf

$$-\frac{224 x^{4} - 252 x^{3} - 37 x^{2} + 126 x - 37}{(x - 1) (2 x - 1) (112 x^{3} - 119 x^{2} + 30 x + 1)}$$

Sequence: A048510
Score: 9.21999
Type of gen. func.: ogf

3 2

$$\frac{112 x - 119 x + 30 x + 1}{(x - 1) (2 x - 1)^{3}}$$

Sequence: A048511
Score: 4.09351
Type of gen. func.: ogf

$$(373593 f(x) + 43676960) (8 f(x) x^{4} - 20 f(x) x^{3} + 18 f(x) x^{2} - 160 x^{3} - 7 f(x) x + 169 x^{2} + f(x) - 43 x - 1)$$

Sequence: A048511
Score: 7.60224
Type of gen. func.: ogf

$$\frac{160 x^{3} - 169 x^{2} + 43 x + 1}{(x - 1) (2 x - 1)^{3}}$$

Sequence: A048511
Score: 8.34074
Type of gen. func.: lgdogf

$$- \frac{320 x^{4} - 356 x^{3} - 53 x^{2} + 174 x - 50}{(x - 1) (2 x - 1) (160 x^{3} - 169 x^{2} + 43 x + 1)}$$

Sequence: A048512
Score: 4.20123
Type of gen. func.: ogf

$$(2099 f(x) + 404664) (8 f(x) x^{4} - 20 f(x) x^{3} + 18 f(x) x^{2} - 216 x^{3} - 7 f(x) x + 227 x^{2} + f(x) - 58 x - 1)$$

Sequence: A048512
Score: 7.60224

Type of gen. func.: ogf

$$\frac{216 x^{3} - 227 x^{2} + 58 x + 1}{(x - 1) (2 x - 1)^{3}}$$

Sequence: A048512
Score: 8.34074
Type of gen. func.: lgdogf

$$- \frac{432 x^{4} - 476 x^{3} - 73 x^{2} + 230 x - 65}{(x - 1) (2 x - 1) (216 x^{3} - 227 x^{2} + 58 x + 1)}$$

Sequence: A048513
Score: 4.04169
Type of gen. func.: ogf

$$(1829677 f(x) + 534531697) (8 f(x) x^{4} - 20 f(x) x^{3} + 18 f(x) x^{2} - 280 x^{3} - 7 f(x) x + 293 x^{2} + f(x) - 75 x - 1)$$

Sequence: A048513
Score: 7.60224
Type of gen. func.: ogf

$$\frac{280 x^{3} - 293 x^{2} + 75 x + 1}{(x - 1) (2 x - 1)^{3}}$$

Sequence: A048513
Score: 8.34074
Type of gen. func.: lgdogf

$$- \frac{560 x^{4} - 612 x^{3} - 97 x^{2} + 294 x - 82}{(x - 1) (2 x - 1) (280 x^{3} - 293 x^{2} + 75 x + 1)}$$

Sequence: A048514
Score: 4.78534
Type of gen. func.: ogf

$$\frac{8 x^5 - 37 x^4 + 46 x^3 - 25 x^2 + 7 x - 1}{(2 x - 1)^3 (x - 1)^4}$$

Sequence: A048515
Score: 5.18906
Type of gen. func.: ogf

$$- \frac{8 x^5 - 43 x^4 + 53 x^3 - 23 x^2 + 4 x - 1}{(2 x - 1)^3 (x - 1)^3}$$

Sequence: A048515
Score: 6.13599
Type of gen. func.: lgdogf

$$- \frac{16 x^6 - 124 x^5 + 149 x^4 - 12 x^3 - 50 x^2 + 10 x + 5}{(x - 1) (2 x - 1) (8 x^5 - 43 x^4 + 53 x^3 - 23 x^2 + 4 x - 1)}$$

Sequence: A048529
Score: 4.29888
Type of gen. func.: ogf

$$- \frac{x (3770 x^6 - 3377 x^4 + 100 x^3 - 360 x^2 - 100 x - 24)}{(x - 1) (x + 1) (10 x^2 - 1)}$$

Sequence: A048573
Score: 15.0332
Type of gen. func.: ogf

$$- \frac{x + 2}{(x + 1) (2 x - 1)}$$

Sequence: A048573
Score: 17.4411
Type of gen. func.: revogf

$$\frac{-x - 2 + (9 x^2 + 8 x + 4)^{1/2}}{2 (2 x + 1)}$$

Sequence: A048573
Score: 18.9360
Type of gen. func.: lgdogf

$$- \frac{2 x^2 + 8 x + 3}{(2 x - 1) (x + 2) (x + 1)}$$

Sequence: A048573
Score: 7.43402
Type of gen. func.: ogf

$$-(11 f(x) - 13) (2 f(x) x^2 + f(x) x - f(x) + x + 2)$$

Sequence: A048573
Score: 8.24995
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 2 a(n), a(0) = 2, a(1) = 3\}$$

Sequence: A048575
Score: 16.7617
Type of gen. func.: ogf

$$- \frac{x - 2}{x^2 - 3 x + 1}$$

Sequence: A048575
Score: 18.9950

Type of gen. func.: revogf

$$-\frac{-2 - 3 x + (5 x^2 + 8 x + 4)^{1/2}}{2 (x + 1)}$$

Sequence: A048575
Score: 24.6935
Type of gen. func.: lgdogf

$$-\frac{x^2 - 4 x + 5}{(x - 2) (x^2 - 3 x + 1)}$$

Sequence: A048575
Score: 8.38083
Type of gen. func.: ogf

$$-(11 f(x) + 3) (f(x) x^2 - 3 f(x) x + f(x) + x - 2)$$

Sequence: A048575
Score: 9.19848
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + a(n), a(0) = 2, a(1) = 5\}$$

Sequence: A048577
Score: 14.5888
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 4 x^3 - 5 x^2 - 4 x + 4}{(x - 1) (2 x^2 + 2 x - 3) (x^2 + x - 1)}$$

Sequence: A048577
Score: 15.6911
Type of gen. func.: ogf

2

$$-\frac{2 x + 2 x - 3}{(x - 1) (x^2 + x - 1)}$$

Sequence: A048577
Score: 8.57349
Type of gen. func.: ogf

$$-(f(x) - 3) (f(x) x^3 - 2 f(x) x + 2 x^2 + f(x) + 2 x - 3)$$

Sequence: A048577
Score: 8.84711
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n), a(0) = 3, a(1) = 4, a(2) = 6\}$$

Sequence: A048578
Score: 13.8589
Type of gen. func.: revegf]

$$1/2 \ln(x + 2) - \operatorname{arctanh}((4 x + 9)^{1/2}) - 1/2 \ln(2) + \operatorname{arctanh}(3)$$

Sequence: A048578
Score: 17.2494
Type of gen. func.: ogf

$$-\frac{4 x - 3}{(2 x - 1) (x - 1)}$$

Sequence: A048578
Score: 20.0589
Type of gen. func.: lgdogf

$$-\frac{8 x^2 - 12 x + 5}{(x - 1) (4 x - 3) (2 x - 1)}$$

Sequence: A048578
Score: 8.62472
Type of gen. func.: ogf

$$-(3 f(x) + 16) (2 f(x) x^2 - 3 f(x) x + f(x) + 4 x - 3)$$

Sequence: A048578
Score: 9.46616
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 3, a(1) = 5\}$$

Sequence: A048580
Score: 16.5077
Type of gen. func.: ogf

$$-\frac{2 x - 3}{2 x^2 - 4 x + 1}$$

Sequence: A048580
Score: 18.2454
Type of gen. func.: revogf

$$-\frac{-3 - 4 x + (8 x^2 + 16 x + 9)^{1/2}}{4 (x + 1)}$$

Sequence: A048580
Score: 19.2056
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^2 - 6 x + 5)}{(2 x - 3) (2 x^2 - 4 x + 1)}$$

Sequence: A048580
Score: 8.34658
Type of gen. func.: ogf

$$-(7 f(x) + 4) (2 f(x) x^2 - 4 f(x) x + f(x) + 2 x - 3)$$

Sequence: A048580
Score: 8.94996
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + 2 a(n), a(0) = 3, a(1) = 10\}$$

Sequence: A048582
Score: 6.56984
Type of gen. func.: ogf

$$- \frac{2 x^6 - x^5 + 3 x^4 - 2 x^2 + 3 x - 4}{(x - 1) (x^6 + 2 x^4 + x^3 + 2 x - 1)}$$

Sequence: A048584
Score: 14.4204
Type of gen. func.: lgdogf

$$- \frac{4 x^4 + 6 x^3 - 7 x^2 - 8 x + 7}{(x - 1) (4 x^2 + 3 x - 5) (x^2 + x - 1)}$$

Sequence: A048584
Score: 15.5112
Type of gen. func.: ogf

$$- \frac{4 x^2 + 3 x - 5}{(x - 1) (x^2 + x - 1)}$$

Sequence: A048584
Score: 8.65363
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 5, a(1) = 7, a(2) = 10\}$$

Sequence: A048584
Score: 8.83973
Type of gen. func.: ogf

$$(3 f(x) - 5) (f(x) x^3 - 2 f(x) x + 4 x^2 + f(x) + 3 x - 5)$$

Sequence: A048585
Score: 11.0674
Type of gen. func.: ogf

$$- \frac{5 x^3 - x^2 + 5 x - 6}{(x - 1) (x^3 + x - 1)}$$

Sequence: A048585
Score: 11.1632
Type of gen. func.: lgdogf

$$- \frac{5 x^6 - 2 x^5 + 11 x^4 - 14 x^3 + 6 x^2 - 10 x + 7}{(x - 1) (5 x^3 - x^2 + 5 x - 6) (x^3 + x - 1)}$$

Sequence: A048585
Score: 5.95936
Type of gen. func.: ogf

$$-(26 f(x) - 75)$$

$$(f(x) x^4 - f(x) x^3 + f(x) x^2 + 5 x^3 - 2 f(x) x - x^2 + f(x) + 5 x - 6)$$

Sequence: A048587
Score: 10.4814
Type of gen. func.: ogf

$$- \frac{4 x^3 - 5 x^2 + 8 x - 6}{(x - 1) (x^3 - x^2 + 2 x - 1)}$$

```
------------------------------------------------------------------------------

Sequence:  A048587
Score: 5.68355
Type of gen. func.: ogf


-(15 f(x) + 4)

           4           3           2      3                 2
    (f(x) x  - 2 f(x) x  + 3 f(x) x  + 4 x  - 3 f(x) x - 5 x  + f(x) + 8 x - 6)



------------------------------------------------------------------------------

Sequence:  A048587
Score: 9.21911
Type of gen. func.: lgdogf


                   6       5       4       3       2
                4 x  - 10 x  + 22 x  - 32 x  + 33 x  - 26 x + 10
             - ---------------------------------------------------
                           3      2              3    2
               (x - 1) (4 x  - 5 x  + 8 x - 6) (x  - x  + 2 x - 1)



------------------------------------------------------------------------------

Sequence:  A048588
Score: 10.6102
Type of gen. func.: ogf


                                  3    2
                               6 x  - x  + 6 x - 7
                             - --------------------
                                         3
                               (x - 1) (x  + x - 1)



------------------------------------------------------------------------------

Sequence:  A048588
Score: 10.6951
Type of gen. func.: lgdogf


                     6      5       4       3      2
                  6 x  - 2 x  + 13 x  - 16 x  + 7 x  - 12 x + 8
                - ---------------------------------------------
                               3    2              3
                   (x - 1) (6 x  - x  + 6 x - 7) (x  + x - 1)



------------------------------------------------------------------------------

Sequence:  A048588
Score: 5.83561
Type of gen. func.: ogf


(47 f(x) - 142)

           4         3         2      3               2
    (f(x) x  - f(x) x  + f(x) x  + 6 x  - 2 f(x) x - x  + f(x) + 6 x - 7)
```

Sequence: A048589
Score: 10.8996
Type of gen. func.: ogf

$$-\frac{6 x^3 - x^2 + 5 x - 7}{(x - 1) (x^3 + x - 1)}$$

Sequence: A048589
Score: 10.9922
Type of gen. func.: lgdogf

$$-\frac{6 x^6 - 2 x^5 + 10 x^4 - 14 x^3 + 6 x^2 - 12 x + 9}{(x - 1) (6 x^3 - x^2 + 5 x - 7) (x^3 + x - 1)}$$

Sequence: A048589
Score: 6.12604
Type of gen. func.: ogf

$(7 f(x) + 6)$

$$(f(x) x^4 - f(x) x^3 + f(x) x^2 + 6 x^3 - 2 f(x) x - x^2 + f(x) + 5 x - 7)$$

Sequence: A048590
Score: 8.97834
Type of gen. func.: ogf

$$\frac{x^5 - 7 x^4 + x^3 + x^2 - 7 x + 8}{(x - 1) (x^4 + x - 1)}$$

Sequence: A048590
Score: 9.64637
Type of gen. func.: lgdogf

$$6 x^8 - 2 x^7 + x^6 + 8 x^5 - 13 x^4 + 8 x^2 - 14 x + 9$$

$$\overline{(x-1)\,(x^4+x-1)\,(x^5-7x^4+x^3+x^2-7x+8)}$$

Sequence: A048591
Score: 10.8964
Type of gen. func.: lgdogf

$$-\frac{7x^6-2x^5+12x^4-16x^3+7x^2-14x+10}{(x-1)\,(7x^3-x^2+6x-8)\,(x^3+x-1)}$$

Sequence: A048591
Score: 10.9478
Type of gen. func.: ogf

$$-\frac{7x^3-x^2+6x-8}{(x-1)\,(x^3+x-1)}$$

Sequence: A048591
Score: 6.06461
Type of gen. func.: ogf

$(49 f(x) + 33)$

$$(f(x)\,x^4 - f(x)\,x^3 + f(x)\,x^2 + 7x^3 - 2f(x)\,x - x^2 + f(x) + 6x - 8)$$

Sequence: A048592
Score: 9.01880
Type of gen. func.: ogf

$$\frac{x^5-8x^4+x^3+x^2-8x+9}{(x-1)\,(x^4+x-1)}$$

Sequence: A048592
Score: 9.46785
Type of gen. func.: lgdogf

$$\frac{7 x^8 - 2 x^7 + x^6 + 10 x^5 - 15 x^4 + 9 x^2 - 16 x + 10}{(x - 1) (x^4 + x - 1) (x^5 - 8 x^4 + x^3 + x^2 - 8 x + 9)}$$

Sequence: A048617
Score: 7.37647
Type of gen. func.: ogf

$$\{(n^2 + 4 n + 4) a(n + 1) - a(n + 2), a(0) = 2, a(1) = 2\}$$

Sequence: A048624
Score: 2.51467
Type of gen. func.: ogf

$$(14 f(x) - 3) (f(x) x^2 + 2 f(x) x - f(x) + x + 2)$$

Sequence: A048624
Score: 4.80582
Type of gen. func.: ogf

$$- \frac{x + 2}{x^2 + 2 x - 1}$$

Sequence: A048624
Score: 6.83906
Type of gen. func.: lgdogf

$$- \frac{x^2 + 4 x + 5}{(x + 2) (x^2 + 2 x - 1)}$$

Sequence: A048625
Score: 15.7652
Type of gen. func.: ogf

$$3 x^2 + 2 x + 4$$

$$-\frac{}{x^3 + x - 1}$$

Sequence: A048625
Score: 16.4140
Type of gen. func.: lgdogf

$$-\frac{3x^4 + 4x^3 + 9x^2 + 6x + 6}{(3x^2 + 2x + 4)(x^3 + x - 1)}$$

Sequence: A048625
Score: 8.88886
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n), a(0) = 4, a(1) = 6, a(2) = 9\}$$

Sequence: A048625
Score: 9.38824
Type of gen. func.: ogf

$$-f(x) (f(x) x^3 + f(x) x + 3 x^2 - f(x) + 2 x + 4)$$

Sequence: A048626
Score: 15.5211
Type of gen. func.: ogf

$$-\frac{4x^2 + 3x + 6}{x^3 + x - 1}$$

Sequence: A048626
Score: 15.8405
Type of gen. func.: lgdogf

$$-\frac{4x^4 + 6x^3 + 14x^2 + 8x + 9}{(4x^2 + 3x + 6)(x^3 + x - 1)}$$

Sequence: A048626
Score: 8.30929
Type of gen. func.: ogf

$$-(21 f(x) - 34) (f(x) x^3 + f(x) x + 4 x^2 - f(x) + 3 x + 6)$$

Sequence: A048626
Score: 8.65916
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n), a(0) = 6, a(1) = 9, a(2) = 13\}$$

Sequence: A048635
Score: 4.62537
Type of gen. func.: ogf

$$-(7007 f(x) - 12352) (4 f(x) x^4 - 8 f(x) x^3 + 7 f(x) x^2 - 16 x^3 - 4 f(x) x + 32 x^2 + f(x) - 14 x)$$

Sequence: A048635
Score: 7.91838
Type of gen. func.: lgdogf

$$- \frac{2 (32 x^5 - 128 x^4 + 184 x^3 - 124 x^2 + 41 x - 6)}{(x - 1) (2 x - 1) (2 x^2 - x + 1) (8 x^2 - 16 x + 7)}$$

Sequence: A048635
Score: 8.94645
Type of gen. func.: ogf

$$\frac{2 x (8 x^2 - 16 x + 7)}{(2 x - 1) (x - 1) (2 x^2 - x + 1)}$$

Sequence: A048654
Score: 12.3808
Type of gen. func.: ogf

$$-\frac{2x+1}{x^2+2x-1}$$

Sequence: A048654
Score: 13.9514
Type of gen. func.: revogf

$$\frac{-2x-1+(8x^2+12x+1)^{1/2}}{2(x+2)}$$

Sequence: A048654
Score: 17.0032
Type of gen. func.: lgdogf

$$-\frac{2(x^2+x+2)}{(2x+1)(x^2+2x-1)}$$

Sequence: A048654
Score: 6.55452
Type of gen. func.: ogf

$$(5 f(x)+3)(f(x) x^2+2 f(x) x-f(x)+2x+1)$$

Sequence: A048654
Score: 6.79433
Type of gen. func.: ogf

$$\{a(n+2)-2a(n+1)-a(n), a(0)=1, a(1)=4\}$$

Sequence: A048655
Score: 12.5980
Type of gen. func.: ogf

$$-\frac{3 x + 1}{x^2 + 2 x - 1}$$

Sequence: A048655

Score: 14.2020

Type of gen. func.: revogf

$$\frac{-2 x - 1 + (8 x^2 + 16 x + 1)^{1/2}}{2 (3 + x)}$$

Sequence: A048655

Score: 16.2905

Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 2 x + 5}{(3 x + 1) (x^2 + 2 x - 1)}$$

Sequence: A048655

Score: 6.51619

Type of gen. func.: ogf

$$(12 f(x) + 13) (f(x) x^2 + 2 f(x) x - f(x) + 3 x + 1)$$

Sequence: A048655

Score: 6.91352

Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) - a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A048693

Score: 12.7428

Type of gen. func.: ogf

$$-\frac{4 x + 1}{x^2 + 2 x - 1}$$

Sequence: A048693
Score: 14.3691
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (8 x^2 + 20 x + 1)^{1/2}}{2 (4 + x)}$$

Sequence: A048693
Score: 16.4822
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^2 + x + 3)}{(4 x + 1) (x^2 + 2 x - 1)}$$

Sequence: A048693
Score: 6.66773
Type of gen. func.: ogf

$$(7 f(x) + 11) (f(x) x^2 + 2 f(x) x - f(x) + 4 x + 1)$$

Sequence: A048693
Score: 6.99300
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) - a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A048694
Score: 12.8152
Type of gen. func.: ogf

$$- \frac{5 x + 1}{x^2 + 2 x - 1}$$

Sequence: A048694
Score: 14.4526
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (8 x^2 + 24 x + 1)^{1/2}}{2 (5 + x)}$$

Sequence: A048694
Score: 16.5780
Type of gen. func.: lgdogf

$$- \frac{5 x^2 + 2 x + 7}{(5 x + 1) (x^2 + 2 x - 1)}$$

Sequence: A048694
Score: 6.62854
Type of gen. func.: ogf

$$(16 f(x) + 33) (f(x) x^2 + 2 f(x) x - f(x) + 5 x + 1)$$

Sequence: A048694
Score: 7.03273
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) - a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A048695
Score: 12.9600
Type of gen. func.: ogf

$$- \frac{6 x + 1}{x^2 + 2 x - 1}$$

Sequence: A048695
Score: 14.6197
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (8 x^2 + 28 x + 1)^{1/2}}{2 (6 + x)}$$

Sequence: A048695
Score: 16.7696
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^2 + x + 4)}{(6 x + 1) (x^2 + 2 x - 1)}$$

Sequence: A048695
Score: 6.78139
Type of gen. func.: ogf

$$(9 f(x) + 23) (f(x) x^2 + 2 f(x) x - f(x) + 6 x + 1)$$

Sequence: A048695
Score: 7.11220
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) - a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A048696
Score: 15.1060
Type of gen. func.: ogf

$$- \frac{7 x + 1}{x^2 + 2 x - 1}$$

Sequence: A048696
Score: 17.0882
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (8 x^2 + 32 x + 1)^{1/2}}{2 (7 + x)}$$

Sequence: A048696
Score: 19.6012
Type of gen. func.: lgdogf

$$-\frac{7x^2+2x+9}{(7x+1)(x^2+2x-1)}$$

Sequence: A048696
Score: 7.81345
Type of gen. func.: ogf

$$(20 f(x) + 61) (f(x) x^2 + 2 f(x) x - f(x) + 7 x + 1)$$

Sequence: A048696
Score: 8.28987
Type of gen. func.: ogf

{a(n + 2) - 2 a(n + 1) - a(n), a(0) = 1, a(1) = 9}

Sequence: A048697
Score: 12.1602
Type of gen. func.: ogf

$$-\frac{8x+1}{x^2+2x-1}$$

Sequence: A048697
Score: 13.7009
Type of gen. func.: revogf

$$\frac{-2x-1+(8x^2+36x+1)^{1/2}}{2(8+x)}$$

Sequence: A048697

Score: 15.7157
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^2 + x + 5)}{(8 x + 1) (x^2 + 2 x - 1)}$$

Sequence: A048697
Score: 6.28976
Type of gen. func.: ogf

$$(11 f(x) + 39) (f(x) x^2 + 2 f(x) x - f(x) + 8 x + 1)$$

Sequence: A048697
Score: 6.59289
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) - a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A048736
Score: 8.12355
Type of gen. func.: ogf

$$-\frac{2 x^8 + 3 x^7 + 5 x^6 - 7 x^5 - 8 x^4 - 9 x^3 + x^2 + x + 1}{(x - 1) (x^2 + x + 1) (x^6 - 9 x^3 + 1)}$$

Sequence: A048739
Score: 16.9186
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (x^2 + 2 x - 1)}$$

Sequence: A048739
Score: 20.6120
Type of gen. func.: lgdogf

$$-\frac{3x^2+2x-3}{(x-1)(x^2+2x-1)}$$

Sequence: A048739
Score: 6.19343
Type of gen. func.: ogf

$$\{-a(n+3)+3a(n+2)-a(n+1)-a(n), a(0)=1, a(1)=3, a(2)=8\}$$

Sequence: A048739
Score: 6.93663
Type of gen. func.: ogf

$$(49 f(x)-9)(f(x)x^3+f(x)x^2-3f(x)x+f(x)-1)$$

Sequence: A048745
Score: 14.5674
Type of gen. func.: ogf

$$\frac{2x+1}{(x-1)(x^2+2x-1)}$$

Sequence: A048745
Score: 16.1376
Type of gen. func.: lgdogf

$$-\frac{4x^3+5x^2+2x-5}{(x-1)(2x+1)(x^2+2x-1)}$$

Sequence: A048745
Score: 6.83250
Type of gen. func.: ogf

$$\{a(n+3)-3a(n+2)+a(n+1)+a(n), a(0)=1, a(1)=5, a(2)=14\}$$

Sequence: A048745
Score: 6.8935
Type of gen. func.: ogf

$$-(1465 f(x) + 551) (f(x) x^3 + f(x) x^2 - 3 f(x) x + f(x) - 2 x - 1)$$

Sequence: A048746
Score: 11.0652
Type of gen. func.: ogf

$$\frac{3 x + 1}{(x - 1) (x^2 + 2 x - 1)}$$

Sequence: A048746
Score: 12.2005
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^3 + 3 x^2 + x - 3)}{(x - 1) (3 x + 1) (x^2 + 2 x - 1)}$$

Sequence: A048746
Score: 5.18989
Type of gen. func.: ogf

$$-(3886 f(x) + 2439) (f(x) x^3 + f(x) x^2 - 3 f(x) x + f(x) - 3 x - 1)$$

Sequence: A048746
Score: 5.18989
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + a(n + 1) + a(n), a(0) = 1, a(1) = 6, a(2) = 17\}$$

Sequence: A048755
Score: 14.8883
Type of gen. func.: ogf

$$\frac{4 x + 1}{(x - 1) (x^2 + 2 x - 1)}$$

Sequence: A048755
Score: 16.4994
Type of gen. func.: lgdogf

$$- \frac{8 x^3 + 7 x^2 + 2 x - 7}{(x - 1) (4 x + 1) (x^2 + 2 x - 1)}$$

Sequence: A048755
Score: 6.98299
Type of gen. func.: ogf

$$-(8473 f(x) + 7439) (f(x) x^3 + f(x) x^2 - 3 f(x) x + f(x) - 4 x - 1)$$

Sequence: A048755
Score: 6.98299
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + a(n + 1) + a(n), a(0) = 1, a(1) = 7, a(2) = 20\}$$

Sequence: A048759
Score: 8.62968
Type of gen. func.: ogf

$$- \frac{2 (2 x^5 + x^4 - 6 x^3 - 3 x^2 + 6 x + 6)}{(x - 1)^3 (x + 1)^3}$$

Sequence: A048759
Score: 9.85271
Type of gen. func.: lgdogf

$$- \frac{2 (x^6 + x^5 - 4 x^4 - 4 x^3 + 6 x^2 + 15 x + 3)}{^5 \quad ^4 \quad ^3 \quad ^2}$$

$$(x - 1) (x + 1) (2 x + x - 6 x - 3 x + 6 x + 6)$$

Sequence: A048764
Score: 14.5224
Type of gen. func.: lgdogf

$$\frac{2 (198 x^{23} - 207 x^{22} + 8 x^{5} - 10 x^{4} - 1)}{(x - 1) (18 x^{23} + 4 x^{5} + x + 1)}$$

Sequence: A048764
Score: 16.9516
Type of gen. func.: ogf

$$- \frac{18 x^{23} + 4 x^{5} + x + 1}{x - 1}$$

Sequence: A048765
Score: 11.0317
Type of gen. func.: lgdogf

$$\frac{2 (1104 x^{24} - 1152 x^{23} + 45 x^{6} - 54 x^{5} + 2 x^{2} - 4 x - 1)}{(x - 1) (96 x^{24} + 18 x^{6} + 4 x^{2} + x + 1)}$$

Sequence: A048765
Score: 14.5657
Type of gen. func.: ogf

$$- \frac{96 x^{24} + 18 x^{6} + 4 x^{2} + x + 1}{x - 1}$$

Sequence: A048770
Score: 12.1262
Type of gen. func.: ogf

$$\frac{5 x + 1}{}$$

$$(x - 1) (x^2 + 2 x - 1)$$

Sequence: A048770
Score: 13.3937
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^3 + 4 x^2 + x - 4)}{(x - 1) (5 x + 1) (x^2 + 2 x - 1)}$$

Sequence: A048770
Score: 5.58859
Type of gen. func.: ogf

$$-(16234 f(x) + 18311) (f(x) x^3 + f(x) x^2 - 3 f(x) x + f(x) - 5 x - 1)$$

Sequence: A048770
Score: 5.68751
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + a(n + 1) + a(n), a(0) = 1, a(1) = 8, a(2) = 23\}$$

Sequence: A048771
Score: 14.1045
Type of gen. func.: ogf

$$\frac{6 x + 1}{(x - 1) (x^2 + 2 x - 1)}$$

Sequence: A048771
Score: 15.2932
Type of gen. func.: lgdogf

$$- \frac{12 x^3 + 9 x^2 + 2 x - 9}{(x - 1) (6 x + 1) (x^2 + 2 x - 1)}$$

```
------------------------------------------------------------------------------

Sequence:  A048771
Score: 6.50034
Type of gen. func.: ogf


                                   3         2
     -(28369 f(x) + 39087) (f(x) x  + f(x) x  - 3 f(x) x + f(x) - 6 x - 1)



------------------------------------------------------------------------------

Sequence:  A048771
Score: 6.61541
Type of gen. func.: ogf


    {a(n + 3) - 3 a(n + 2) + a(n + 1) + a(n), a(0) = 1, a(1) = 9, a(2) = 26}



------------------------------------------------------------------------------

Sequence:  A048772
Score: 4.14431
Type of gen. func.: ogf


                                   3         2
     -(46270 f(x) + 75311) (f(x) x  + f(x) x  - 3 f(x) x + f(x) - 7 x - 1)



------------------------------------------------------------------------------

Sequence:  A048772
Score: 4.18065
Type of gen. func.: ogf


   {a(n + 3) - 3 a(n + 2) + a(n + 1) + a(n), a(0) = 1, a(1) = 10, a(2) = 29}



------------------------------------------------------------------------------

Sequence:  A048772
Score: 8.99234
Type of gen. func.: ogf


                                      7 x + 1
                                ----------------------
                                          2
                                (x - 1) (x  + 2 x - 1)



------------------------------------------------------------------------------

Sequence:  A048772
Score: 9.87346
Type of gen. func.: lgdogf


                                     3      2
                                2 (7 x  + 5 x  + x - 5)
                          - --------------------------------
```

$$(x - 1) (7 x + 1) (x^2 + 2 x - 1)$$

Sequence: A048773
Score: 14.2951
Type of gen. func.: ogf

$$\frac{8 x + 1}{(x - 1) (x^2 + 2 x - 1)}$$

Sequence: A048773
Score: 14.8835
Type of gen. func.: lgdogf

$$- \frac{16 x^3 + 11 x^2 + 2 x - 11}{(x - 1) (8 x + 1) (x^2 + 2 x - 1)}$$

Sequence: A048773
Score: 6.53139
Type of gen. func.: ogf

$$-(71521 f(x) + 134279) (f(x) x^3 + f(x) x^2 - 3 f(x) x + f(x) - 8 x - 1)$$

Sequence: A048773
Score: 6.64598
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + a(n + 1) + a(n), a(0) = 1, a(1) = 11, a(2) = 32\}$$

Sequence: A048776
Score: 20.7749
Type of gen. func.: ogf

$$- \frac{1}{(x^2 + 2 x - 1) (x - 1)^2}$$

Sequence: A048776
Score: 24.3570
Type of gen. func.: lgdogf

$$-\frac{4\,(x^2+x-1)}{(x-1)\,(x^2+2\,x-1)}$$

Sequence: A048776
Score: 3.86267
Type of gen. func.: ogf

{(n + 4) a(n + 4) + (-13 - 3 n) a(n + 3) + (6 + n) a(n + 2) + (5 + n) a(n + 1),

a(0) = 1, a(1) = 4, a(2) = 12, a(3) = 32}

Sequence: A048776
Score: 7.68671
Type of gen. func.: ogf

$$(25\,f(x)-1)\,(f(x)\,x^4-4\,f(x)\,x^2+4\,f(x)\,x-f(x)+1)$$

Sequence: A048777
Score: 14.7599
Type of gen. func.: ogf

$$-\frac{x+1}{(x^2+2\,x-1)\,(x-1)^2}$$

Sequence: A048777
Score: 3.91138
Type of gen. func.: ogf

{(-2 n - 9) a(n + 1) + (-2 n - 11) a(n + 2) + (6 n + 23) a(n + 3)

+ (-2 n - 7) a(n + 4), a(0) = 1, a(1) = 5, a(2) = 16, a(3) = 44}

Sequence: A048777
Score: 7.24329

Type of gen. func.: ogf

$$(6472 f(x) + 575) (f(x) x^4 - 4 f(x) x^2 + 4 f(x) x - f(x) + x + 1)$$

Sequence: A048777
Score: 9.06705
Type of gen. func.: lgdogf

$$- \frac{3 x^3 + 7 x^2 + 3 x - 5}{(x - 1) (x + 1) (x^2 + 2 x - 1)}$$

Sequence: A048778
Score: 16.0037
Type of gen. func.: ogf

$$- \frac{2 x + 1}{(x^2 + 2 x - 1) (x - 1)^2}$$

Sequence: A048778
Score: 17.7545
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^3 + 5 x^2 + x - 3)}{(x - 1) (2 x + 1) (x^2 + 2 x - 1)}$$

Sequence: A048778
Score: 4.19899
Type of gen. func.: ogf

$$\{(3 n + 13) a(n + 1) + (3 n + 16) a(n + 2) + (-9 n - 33) a(n + 3)$$
$$+ (3 n + 10) a(n + 4), a(0) = 1, a(1) = 6, a(2) = 20, a(3) = 56\}$$

Sequence: A048778
Score: 7.71086
Type of gen. func.: ogf

$$(13443 f(x) + 4093) (f(x) x^4 - 4 f(x) x^2 + 4 f(x) x - f(x) + 2 x + 1)$$

Sequence: A048779
Score: 33.2077
Type of gen. func.: revogf

$$-x (x - 1) (2 x^2 - 2 x + 1)$$

Sequence: A048779
Score: 7.07725
Type of gen. func.: ogf

$$\{(-8 n - 14) a(n + 1) + (n + 3) a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A048788
Score: 11.8509
Type of gen. func.: ogf

$$-\frac{x (x^2 - 2 x - 1)}{x^4 - 4 x^2 + 1}$$

Sequence: A048788
Score: 12.2815
Type of gen. func.: lgdogf

$$-\frac{2 (x + 1) (x^4 - 4 x^3 + 2 x^2 + 2 x + 1)}{(x^2 - 2 x - 1) (x^4 - 4 x^2 + 1)}$$

Sequence: A048788
Score: 7.15746
Type of gen. func.: ogf

$$-(2 f(x) + 1) (f(x) x^4 - 4 f(x) x^2 + x^3 - 2 x^2 + f(x) - x)$$

Sequence: A048828
Score: 2.81427
Type of gen. func.: ogf

$$(f(x) - 1)^2$$

Sequence: A048840
Score: 13.2111
Type of gen. func.: lgdogf

$$\frac{2 (x^5 - 2 x^4 - 2 x^3 + 4 x^2 + x + 1)}{(x - 1) (x^5 + x^4 - 2 x^3 - 2 x^2 + x - 1)}$$

Sequence: A048840
Score: 9.66499
Type of gen. func.: ogf

$$\frac{x^5 + x^4 - 2 x^3 - 2 x^2 + x - 1}{(x - 1)^3}$$

Sequence: A048875
Score: 16.6666
Type of gen. func.: ogf

$$- \frac{2 x + 1}{x^2 + 4 x - 1}$$

Sequence: A048875
Score: 18.4281
Type of gen. func.: revogf

$$\frac{-4 x - 1 + (20 x^2 + 16 x + 1)^{1/2}}{2 (x + 2)}$$

Sequence: A048875
Score: 23.0351
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + x + 3)}{(2 x + 1) (x^2 + 4 x - 1)}$$

Sequence: A048875
Score: 8.72091
Type of gen. func.: ogf

$$(13 f(x) + 5) (f(x) x^2 + 4 f(x) x - f(x) + 2 x + 1)$$

Sequence: A048875
Score: 9.14633
Type of gen. func.: ogf

{a(n + 2) - 4 a(n + 1) - a(n), a(0) = 1, a(1) = 6}

Sequence: A048876
Score: 13.9870
Type of gen. func.: revogf

$$\frac{-4 x - 1 + (20 x^2 + 20 x + 1)^{1/2}}{2 (3 + x)}$$

Sequence: A048876
Score: 16.4552
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 2 x + 7}{(3 x + 1) (x^2 + 4 x - 1)}$$

Sequence: A048876
Score: 16.7382
Type of gen. func.: ogf

$$-\frac{3x+1}{x^2+4x-1}$$

Sequence: A048876
Score: 8.65767
Type of gen. func.: ogf

$$(30 f(x) + 19) (f(x) x^2 + 4 f(x) x - f(x) + 3 x + 1)$$

Sequence: A048876
Score: 9.18559
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) - a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A048877
Score: 11.6368
Type of gen. func.: ogf

$$-\frac{4x+1}{x^2+4x-1}$$

Sequence: A048877
Score: 12.7870
Type of gen. func.: revogf

$$\frac{-4 x - 1 + (20 x^2 + 24 x + 1)^{1/2}}{2 (4 + x)}$$

Sequence: A048877
Score: 15.0435
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^2 + x + 4)}{2}$$

$$(4 x + 1) (x + 4 x - 1)$$

Sequence: A048877
Score: 6.01906
Type of gen. func.: ogf

$$(17 f(x) + 15) (f(x) x^2 + 4 f(x) x - f(x) + 4 x + 1)$$

Sequence: A048877
Score: 6.38606
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) - a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A048878
Score: 12.8450
Type of gen. func.: ogf

$$- \frac{5 x + 1}{x^2 + 4 x - 1}$$

Sequence: A048878
Score: 14.1415
Type of gen. func.: revogf

$$\frac{-4 x - 1 + (20 x^2 + 28 x + 1)^{1/2}}{2 (5 + x)}$$

Sequence: A048878
Score: 16.6371
Type of gen. func.: lgdogf

$$- \frac{5 x^2 + 2 x + 9}{(5 x + 1) (x^2 + 4 x - 1)}$$

Sequence: A048878
Score: 6.64396
Type of gen. func.: ogf

$$(38 f(x) + 43) (f(x) x^2 + 4 f(x) x - f(x) + 5 x + 1)$$

Sequence: A048878
Score: 7.04907
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) - a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A048879
Score: 15.6784
Type of gen. func.: ogf

$$-\frac{6 x + 1}{x^2 + 4 x - 1}$$

Sequence: A048879
Score: 17.3204
Type of gen. func.: revogf

$$\frac{-4 x - 1 + (20 x^2 + 32 x + 1)^{1/2}}{2 (6 + x)}$$

Sequence: A048879
Score: 20.3769
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^2 + x + 5)}{(6 x + 1) (x^2 + 4 x - 1)}$$

Sequence: A048879
Score: 8.10952
Type of gen. func.: ogf

$$(21 f(x) + 29) (f(x) x^2 + 4 f(x) x - f(x) + 6 x + 1)$$

Sequence: A048879
Score: 8.50033
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) - a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A048900
Score: 4.06519
Type of gen. func.: ogf

$$\{a(n + 3) - 3843 a(n + 2) + 3843 a(n + 1) - a(n), a(0) = 1, a(1) = 4347, a(2) = 16701685\}$$

Sequence: A048900
Score: 7.54122
Type of gen. func.: ogf

$$- \frac{7 x^2 + 504 x + 1}{(x - 1) (x^2 - 3842 x + 1)}$$

Sequence: A048901
Score: 3.17516
Type of gen. func.: ogf

$$-(15010001043520 f(x) + 254347937031)$$

$$(f(x) x^3 - 323 f(x) x^2 + 323 f(x) x - 5 x^2 - f(x) - 76 x + 1)$$

Sequence: A048901
Score: 3.74773
Type of gen. func.: ogf

$$\{a(n + 3) - 323 a(n + 2) + 323 a(n + 1) - a(n), a(0) = 1, a(1) = 247, a(2) = 79453\}$$

Sequence: A048901
Score: 6.92762
Type of gen. func.: ogf

$$\frac{5 x^2 + 76 x - 1}{(x^2 - 322 x + 1) (x - 1)}$$

Sequence: A048902
Score: 3.28937
Type of gen. func.: ogf

$$(1621080142560 f(x) - 21903710267)$$

$$(f(x) x^3 - 323 f(x) x^2 + 323 f(x) x + 5 x^2 - f(x) - 102 x + 1)$$

Sequence: A048902
Score: 3.74773
Type of gen. func.: ogf

$$\{-a(n + 3) + 323 a(n + 2) - 323 a(n + 1) + a(n), a(0) = 1, a(1) = 221,$$

$$a(2) = 71065\}$$

Sequence: A048902
Score: 6.82422
Type of gen. func.: ogf

$$- \frac{5 x^2 - 102 x + 1}{(x^2 - 322 x + 1) (x - 1)}$$

Sequence: A048904
Score: 3.37605
Type of gen. func.: ogf

$$-(26886813844704 f(x) + 421598415421)$$

$$(f(x) x^3 - 483 f(x) x^2 + 483 f(x) x - 7 x^2 - f(x) - 138 x + 1)$$

Sequence: A048904
Score: 3.97989
Type of gen. func.: ogf

$$\{a(n + 3) - 483 a(n + 2) + 483 a(n + 1) - a(n), a(0) = 1, a(1) = 345, a(2) = 166145\}$$

Sequence: A048904
Score: 7.30637
Type of gen. func.: ogf

$$\frac{7 x^2 + 138 x - 1}{(x - 1) (x^2 - 482 x + 1)}$$

Sequence: A048905
Score: 3.35891
Type of gen. func.: ogf

$$(1264517998410480 f(x) - 16497226791131) (f(x) x^3 - 483 f(x) x^2 + 483 f(x) x + 7 x^2 - f(x) - 168 x + 1)$$

Sequence: A048905
Score: 3.95969
Type of gen. func.: ogf

$$\{-a(n + 3) + 483 a(n + 2) - 483 a(n + 1) + a(n), a(0) = 1, a(1) = 315, a(2) = 151669\}$$

Sequence: A048905
Score: 7.26928
Type of gen. func.: ogf

$$- \frac{7 x^2 - 168 x + 1}{(x - 1) (x^2 - 482 x + 1)}$$

Sequence: A048907
Score: 10.9832
Type of gen. func.: ogf

$$-\frac{x^2 - 7 x + 1}{(x - 1) (x^2 - 16 x + 1)}$$

Sequence: A048907
Score: 5.86393
Type of gen. func.: ogf

$$(27099 f(x) - 95) (f(x) x^3 - 17 f(x) x^2 + 17 f(x) x + x^2 - f(x) - 7 x + 1)$$

Sequence: A048907
Score: 5.91404
Type of gen. func.: ogf

{-a(n + 3) + 17 a(n + 2) - 17 a(n + 1) + a(n), a(0) = 1, a(1) = 10, a(2) = 154}

Sequence: A048907
Score: 8.78295
Type of gen. func.: lgdogf

$$-\frac{x^4 - 14 x^3 + 105 x^2 - 32 x + 10}{(x - 1) (x^2 - 16 x + 1) (x^2 - 7 x + 1)}$$

Sequence: A048908
Score: 11.3104
Type of gen. func.: ogf

$$\frac{2 x^2 - 8 x - 1}{(x - 1) (x^2 - 16 x + 1)}$$

Sequence: A048908

Score: 5.56683
Type of gen. func.: ogf

$$-(4460967 f(x) + 229745) (f(x) x^3 - 17 f(x) x^2 + 17 f(x) x - 2 x^2 - f(x) + 8 x + 1)$$

Sequence: A048908
Score: 6.09021
Type of gen. func.: ogf

$$\{-a(n + 3) + 17 a(n + 2) - 17 a(n + 1) + a(n), a(0) = 1, a(1) = 25, a(2) = 406\}$$

Sequence: A048908
Score: 7.45134
Type of gen. func.: lgdogf

$$- \frac{2 x^4 - 16 x^3 + 99 x^2 + 38 x - 25}{(x - 1) (x^2 - 16 x + 1) (2 x^2 - 8 x - 1)}$$

Sequence: A048909
Score: 4.87826
Type of gen. func.: ogf

$$(2368990933 f(x) - 14430824) (f(x) x^3 - 255 f(x) x^2 + 255 f(x) x + x^2 - f(x) + 70 x + 1)$$

Sequence: A048909
Score: 5.27812
Type of gen. func.: ogf

$$\{a(n + 3) - 255 a(n + 2) + 255 a(n + 1) - a(n), a(0) = 1, a(1) = 325, a(2) = 82621\}$$

Sequence: A048909
Score: 9.75653
Type of gen. func.: ogf

$$-\frac{x^2+70x+1}{(x-1)(x^2-254x+1)}$$

Sequence: A048910
Score: 5.68101
Type of gen. func.: lgdogf

$$-\frac{x^8+2x^7-13x^6-28x^5+389x^4-62x^3-43x^2+32x+2}{(x-1)(x^4+x^3-14x^2+x+1)(x^4-30x^2+1)}$$

Sequence: A048910
Score: 7.84581
Type of gen. func.: ogf

$$-\frac{x^4+x^3-14x^2+x+1}{(x-1)(x^4-30x^2+1)}$$

Sequence: A048911
Score: 11.4602
Type of gen. func.: ogf

$$\frac{(x+1)^3}{x^4-30x^2+1}$$

Sequence: A048911
Score: 11.4804
Type of gen. func.: lgdogf

$$-\frac{x^4+4x^3+30x^2-60x-3}{(x+1)(x^4-30x^2+1)}$$

Sequence: A048911

Score: 6.93924
Type of gen. func.: ogf

$$(44950 f(x) - 5381) (f(x) x^4 - 30 f(x) x^2 - x^3 - 3 x^2 + f(x) - 3 x - 1)$$

Sequence: A048913
Score: 5.86744
Type of gen. func.: ogf

$$- \frac{26 x^4 + 563 x^3 - 4923 x^2 + 13 x + 1}{(x - 1) (x^2 - 110 x + 1) (x^2 + 110 x + 1)}$$

Sequence: A048914
Score: 5.91759
Type of gen. func.: ogf

$$\frac{39 x^4 + 860 x^3 + 1138 x^2 - 20 x - 1}{(x - 1) (x^2 - 110 x + 1) (x^2 + 110 x + 1)}$$

Sequence: A048916
Score: 3.88550
Type of gen. func.: ogf

$$- \frac{154 x^4 + 2295 x^3 - 25499 x^2 + 9 x + 1}{(x - 1) (x^2 - 254 x + 1) (x^2 + 254 x + 1)}$$

Sequence: A048917
Score: 3.85050
Type of gen. func.: ogf

$$\frac{203 x^4 + 3036 x^3 + 12902 x^2 - 12 x - 1}{(x - 1) (x^2 - 254 x + 1) (x^2 + 254 x + 1)}$$

Sequence: A048919
Score: 2.89608
Type of gen. func.: ogf

$$(6065102437040 f(x) - 136534530333)$$

$$(f(x) x^3 - 143 f(x) x^2 + 143 f(x) x + 4 x^2 - f(x) - 55 x + 1)$$

Sequence: A048919
Score: 3.32690
Type of gen. func.: ogf

$\{-a(n + 3) + 143 a(n + 2) - 143 a(n + 1) + a(n), a(0) = 1, a(1) = 88,$

$a(2) = 12445\}$

Sequence: A048919
Score: 6.09932
Type of gen. func.: ogf

$$-\frac{4 x^2 - 55 x + 1}{(x - 1) (x^2 - 142 x + 1)}$$

Sequence: A048920
Score: 2.83245
Type of gen. func.: ogf

$$-(5991349253904 f(x) + 190730924491)$$

$$(f(x) x^3 - 143 f(x) x^2 + 143 f(x) x - 4 x^2 - f(x) - 39 x + 1)$$

Sequence: A048920
Score: 3.32000
Type of gen. func.: ogf

$\{a(n + 3) - 143 a(n + 2) + 143 a(n + 1) - a(n), a(0) = 1, a(1) = 104,$

$a(2) = 14725\}$

Sequence: A048920
Score: 6.13697

Type of gen. func.: ogf

$$\frac{4 x^2 + 39 x - 1}{(x - 1) (x^2 - 142 x + 1)}$$

Sequence: A048922
Score: 3.39215
Type of gen. func.: ogf

{-a(n + 3) + 675 a(n + 2) - 675 a(n + 1) + a(n), a(0) = 1, a(1) = 425,

a(2) = 286209}

Sequence: A048922
Score: 6.22739
Type of gen. func.: ogf

$$- \frac{9 x^2 - 250 x + 1}{(x - 1) (x^2 - 674 x + 1)}$$

Sequence: A048923
Score: 3.39215
Type of gen. func.: ogf

{a(n + 3) - 675 a(n + 2) + 675 a(n + 1) - a(n), a(0) = 1, a(1) = 459,

a(2) = 309141}

Sequence: A048923
Score: 6.22739
Type of gen. func.: ogf

$$\frac{9 x^2 + 216 x - 1}{(x - 1) (x^2 - 674 x + 1)}$$

Sequence: A048964
Score: 5.45831

Type of gen. func.: ogf

$$-(x^{23} - x^{22} - x^{13} + x^{12} + x^{10} - 2 x^{9} - x^{8} - x^{7} - 2 x^{6} - x^{5} - x^{4} - x^{3} - 2 x^{2} - x - 2) / ((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2})$$

Sequence: A048965
Score: 15.1660
Type of gen. func.: revogf

$$\frac{x (3 x + 1) (13 x^{2} + 6 x + 1)}{(5 x + 1)^{4}}$$

Sequence: A048990
Score: 18.3072
Type of gen. func.: lgdogf

$$-2 + (1 - 16 x) f(x) + (-32 x^{2} + 2 x) f(x)^{2}$$

Sequence: A048990
Score: 5.41165
Type of gen. func.: ogf

$$\{(-32 n^{2} - 96 n - 70) a(n + 1) + (2 n^{2} + 9 n + 10) a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A049004
Score: 6.96414
Type of gen. func.: ogf

$$-(4 x^{11} + 14 x^{10} + 15 x^{9} + 19 x^{8} + x^{7} + 10 x^{6} + 10 x^{5} + 13 x^{4} + x^{3} + 13 x^{2} + 6 x + 10) / ((x^{4} - x^{2} + 1) (x^{2} - x + 1) (x^{2} + x + 1) (x - 1) (x + 1)$$

2

$(x + 1))$

Sequence: A049005
Score: 12.2382
Type of gen. func.: ogf

$$-\frac{8x^6+6x^5+8x^4+9x^3+7x^2+6x+6}{(x-1)(x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A049008
Score: 9.18359
Type of gen. func.: lgdogf

$$\frac{2x^8-3x^7+x^6-6x^5+6x^4-3x^3+9x^2+2x+4}{(x-1)(x^2+x+1)(x^6-2x^5+3x^4-x^3+x^2-3x-1)}$$

Sequence: A049008
Score: 9.56502
Type of gen. func.: ogf

$$-\frac{x^6-2x^5+3x^4-x^3+x^2-3x-1}{(x^2+x+1)(x-1)^2}$$

Sequence: A049013
Score: 2.6607
Type of gen. func.: ogf

$$(4f(x)+29)(f(x)x^2-2f(x)x+f(x)+3x-5)$$

Sequence: A049013
Score: 5.08489
Type of gen. func.: ogf

$$-\frac{3x-5}{\quad^{2}}$$

$$(x - 1)$$

Sequence: A049013
Score: 9.39597
Type of gen. func.: lgdogf

$$-\frac{-7 + 3 x}{(x - 1) (3 x - 5)}$$

Sequence: A049016
Score: 11.3716
Type of gen. func.: lgdogf

$$-\frac{5 (2 x^{4} - 4 x^{3} + 6 x^{2} - 4 x + 1)}{(2 x - 1) (x^{4} - 2 x^{3} + 4 x^{2} - 3 x + 1)}$$

Sequence: A049016
Score: 12.8619
Type of gen. func.: ogf

$$-\frac{1}{(2 x - 1) (x^{4} - 2 x^{3} + 4 x^{2} - 3 x + 1)}$$

Sequence: A049017
Score: 11.5912
Type of gen. func.: ogf

$$-\frac{1}{(2 x - 1) (x^{6} - 3 x^{5} + 9 x^{4} - 13 x^{3} + 11 x^{2} - 5 x + 1)}$$

Sequence: A049017
Score: 7.93613
Type of gen. func.: lgdogf

$$-\frac{7 (2 x^{2} - 2 x + 1) (x^{4} - 2 x^{3} + 5 x^{2} - 4 x + 1)}{{}^{6}\qquad{}^{5}\qquad{}^{4}\qquad{}^{3}\qquad{}^{2}}$$

$$(2 x - 1) (x - 3 x + 9 x - 13 x + 11 x - 5 x + 1)$$

Sequence: A049018
Score: 10.4076
Type of gen. func.: ogf

$$\frac{1}{7 x^6 + 21 x^5 + 35 x^4 + 35 x^3 + 21 x^2 + 7 x + 1}$$

Sequence: A049018
Score: 9.44347
Type of gen. func.: lgdogf

$$- \frac{7 (2 x + 1) (x^2 + x + 1) (3 x^2 + 3 x + 1)}{7 x^6 + 21 x^5 + 35 x^4 + 35 x^3 + 21 x^2 + 7 x + 1}$$

Sequence: A049027
Score: 16.2162
Type of gen. func.: lgdogf

$$\frac{1 + 3 (1 - 4 x)^{1/2}}{2 (9 x - 2) (4 x - 1)}$$

Sequence: A049027
Score: 9.85783
Type of gen. func.: ogf

$$-9 f(x)^2 x + 2 f(x)^2 + 12 f(x) x - 3 f(x) - 4 x + 1$$

Sequence: A049028
Score: 5.42331
Type of gen. func.: ogf

$$-64 f(x)^3 x^3 + 7 f(x)^3 x^2 - 48 f(x)^2 x^2 + 5 f(x)^2 x - 12 f(x) x + f(x) - 1$$

Sequence: A049031
Score: 3.82697
Type of gen. func.: ogf

$$-\frac{2 x^{2} (x^{8} + 2 x^{7} + 3 x^{6} + 4 x^{5} + 7 x^{4} + 4 x^{3} + 3 x^{2} + 2 x + 1)}{(x^{2} + 1)^{3} (x + 1)^{3} (x - 1)^{5}}$$

Sequence: A049032
Score: 3.70872
Type of gen. func.: ogf

$$-\frac{x^{2} (x^{8} + 2 x^{7} + 3 x^{6} + 4 x^{5} + 7 x^{4} + 4 x^{3} + 3 x^{2} + 2 x + 1)}{(x^{2} + 1)^{3} (x + 1)^{3} (x - 1)^{5}}$$

Sequence: A049071
Score: 15.7753
Type of gen. func.: ogf

$$\frac{x (2 x - 3)}{(x - 1) (x + 1)}$$

Sequence: A049071
Score: 24.7898
Type of gen. func.: revogf

$$\frac{-3 + (4 x^{2} - 8 x + 9)^{1/2}}{2 (x - 2)}$$

Sequence: A049071
Score: 25.5189
Type of gen. func.: lgdogf

$$-\frac{2 (x^{2} - 3 x + 1)}{(x - 1) (2 x - 3) (x + 1)}$$

Sequence: A049071
Score: 8.55288
Type of gen. func.: ogf

$$\{a(n+3) - a(n+1), a(0) = 0, a(1) = 3, a(2) = -2\}$$

Sequence: A049071
Score: 9.46518
Type of gen. func.: ogf

$$-(4 f(x) - 9) (f(x) x^2 - 2 x^2 - f(x) + 3 x)$$

Sequence: A049072
Score: 21.8267
Type of gen. func.: ogf

$$\frac{1}{4 x^2 - 3 x + 1}$$

Sequence: A049072
Score: 33.1408
Type of gen. func.: lgdogf

$$-\frac{-3 + 8 x}{4 x^2 - 3 x + 1}$$

Sequence: A049072
Score: 8.78391
Type of gen. func.: ogf

$$\{-a(n+2) + 3 a(n+1) - 4 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A049072
Score: 8.89235
Type of gen. func.: ogf

$$(f(x) + 8) (4 f(x) x^2 - 3 f(x) x + f(x) - 1)$$

Sequence: A049086
Score: 10.0747
Type of gen. func.: ogf

$$-\frac{(x-1)^2}{x^3-3x^2+5x-1}$$

Sequence: A049086
Score: 15.8425
Type of gen. func.: lgdogf

$$-\frac{(-3+x)(x^2+1)}{(x-1)(x^3-3x^2+5x-1)}$$

Sequence: A049086
Score: 5.43855
Type of gen. func.: ogf

{a(n + 3) - 5 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 3, a(2) = 13}

Sequence: A049086
Score: 6.90941
Type of gen. func.: ogf

$$-(11 f(x) - 1) (f(x) x^3 - 3 f(x) x^2 + 5 f(x) x + x^2 - f(x) - 2 x + 1)$$

Sequence: A049110
Score: 7.64759
Type of gen. func.: ogf

$$-\frac{2 (x^{46} + 3 x^{45} + x^{40} + 3 x^{39} + 2 x^{26} - 2 x^{25} - x - 3)}{(x - 1) (x^{45} + x^{39} - 1)}$$

Sequence: A049112
Score: 7.28746
Type of gen. func.: lgdogf

$$-\frac{x^8 - 2x^7 - 3x^6 + 20x^5 - 9x^4 - 8x^3 + x^2 + 2x + 1}{(x - 1)(x^4 + x^3 + x^2 + x - 1)(2x^5 + x^4 - x^3 - x^2 + x - 1)}$$

Sequence: A049112
Score: 9.17266
Type of gen. func.: ogf

$$-\frac{2x^5 + x^4 - x^3 - x^2 + x - 1}{(x - 1)(x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A049114
Score: 7.16023
Type of gen. func.: lgdogf

$$-\frac{x^8 - 2x^7 + 7x^6 - 8x^5 - 3x^4 + 16x^3 - 19x^2 + 6x + 1}{(x - 1)(x^4 - x^3 + x^2 - x + 1)(x^4 + x^3 - 3x^2 - x + 1)}$$

Sequence: A049114
Score: 8.07998
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 + x^2 - x + 1}{(x - 1)(x^4 + x^3 - 3x^2 - x + 1)}$$

Sequence: A049118
Score: 10.1679
Type of gen. func.: lgdegf]

$$8 - 18x + (-24x^2 + 24x - 6) f(x) + (-8x^3 + 12x^2 - 6x + 1) f(x)^2$$

Sequence: A049119
Score: 7.62173
Type of gen. func.: lgdegf]

$$(-9 n - 21) a(n + 1) + (6 n + 16) a(n + 2) + (-n - 3) a(n + 3), a(0) = 5, a(1) = 16, a(2) = 50$$

Sequence: A049120
Score: 10.0139
Type of gen. func.: lgdegf]

$$-\frac{5 (4 x - 1)^{(5/4)} + 4 (-1)^{(1/4)} x - (-1)^{(1/4)}}{(4 x - 1)^{9/4}}$$

Sequence: A049122
Score: 10.1569
Type of gen. func.: ogf

$$f(x)^2 x^2 - 2 f(x)^2 x + 3 f(x) x - f(x) + 1$$

Sequence: A049122
Score: 10.7262
Type of gen. func.: lgdogf

$$-\frac{2 x + 1 + x (5 x^2 + 2 x + 1)^{1/2} - (5 x^2 + 2 x + 1)^{1/2}}{(5 x^2 + 2 x + 1)^{1/2} (x - 2) x}$$

Sequence: A049122
Score: 3.96996
Type of gen. func.: ogf

$$\{(-5 n - 10) a(n + 1) + (8 n + 13) a(n + 2) + (3 n + 9) a(n + 3) + (2 n + 10) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 0, a(3) = 0\}$$

Sequence: A049122
Score: 39.8403
Type of gen. func.: revogf

$$\frac{x (2 x + 1)}{x^2 + 3 x + 1}$$

Sequence: A049123
Score: 22.3641
Type of gen. func.: revogf

$$-\frac{x (x^2 - 3 x + 1)}{x^2 + 2 x - 1}$$

Sequence: A049123
Score: 6.48992
Type of gen. func.: ogf

$$f(x)^3 x^2 + f(x)^2 x^2 - 3 f(x)^2 x + 2 f(x) x + f(x) - 1$$

Sequence: A049124
Score: 26.0193
Type of gen. func.: revogf

$$\frac{x (x^2 + x - 1)}{(x - 1) (x + 1)}$$

Sequence: A049124
Score: 9.88751
Type of gen. func.: ogf

$$-f(x)^3 x^2 + f(x)^2 x^2 - f(x)^2 x + f(x) - 1$$

Sequence: A049125
Score: 31.7352
Type of gen. func.: revogf

$$-\frac{x\,(x^2 - x - 1)}{(x + 1)^2}$$

Sequence: A049125
Score: 7.15547
Type of gen. func.: ogf

$$-f(x)^3 x^2 - f(x)^2 x^2 + f(x)^2 x - 2 f(x) x + f(x) - 1$$

Sequence: A049126
Score: 22.5995
Type of gen. func.: revogf

$$\frac{x\,(3 x - 1)\,(x - 1)}{x^3 - 3 x + 1}$$

Sequence: A049126
Score: 6.55683
Type of gen. func.: ogf

$$-f(x)^3 x^3 + 3 f(x)^3 x^2 - 4 f(x)^2 x + 3 f(x) x + f(x) - 1$$

Sequence: A049127
Score: 19.2733
Type of gen. func.: revogf

$$\frac{x\,(x^2 + 2 x - 1)}{x^3 + 2 x^2 + x - 1}$$

Sequence: A049127
Score: 5.39988
Type of gen. func.: ogf

$$-f(x)^3 x^3 + f(x)^3 x^2 - 2 f(x)^2 x^2 + 2 f(x)^2 x - f(x) x - f(x) + 1$$

Sequence: A049128
Score: 32.1888
Type of gen. func.: revogf

$$\frac{x (x - 1)^{2}}{x^{3} - x + 1}$$

Sequence: A049128
Score: 6.57328
Type of gen. func.: ogf

$$-f(x)^{3} x^{3} + f(x)^{3} x^{2} - 2 f(x)^{2} x + f(x) x + f(x) - 1$$

Sequence: A049129
Score: 21.6442
Type of gen. func.: revogf

$$\frac{x (3 x^{2} - 1)}{x^{3} + 2 x^{2} - x - 1}$$

Sequence: A049129
Score: 6.7427
Type of gen. func.: ogf

$$f(x)^{3} x^{3} - 3 f(x)^{3} x^{2} + 2 f(x)^{2} x^{2} - f(x) x + f(x) - 1$$

Sequence: A049130
Score: 11.2385
Type of gen. func.: ogf

$$-f(x)^{3} x^{3} + f(x)^{3} x^{2} + f(x) x - f(x) + 1$$

Sequence: A049130
Score: 35.4846
Type of gen. func.: revogf

$$\frac{x (x - 1) (x + 1)}{x^3 - x - 1}$$

Sequence: A049131
Score: 19.3873
Type of gen. func.: revogf

$$- \frac{x (x^2 - 2 x - 1)}{x^3 + 2 x^2 + 3 x + 1}$$

Sequence: A049131
Score: 5.77975
Type of gen. func.: ogf

$$f(x)^3 x^3 + f(x)^3 x^2 + 2 f(x)^2 x^2 - 2 f(x)^2 x + 3 f(x) x - f(x) + 1$$

Sequence: A049132
Score: 23.3274
Type of gen. func.: revogf

$$\frac{x (3 x^2 - 1)}{x^3 + 4 x^2 - x - 1}$$

Sequence: A049132
Score: 7.1933
Type of gen. func.: ogf

$$f(x)^3 x^3 - 3 f(x)^3 x^2 + 4 f(x)^2 x^2 - f(x) x + f(x) - 1$$

Sequence: A049133
Score: 35.5972
Type of gen. func.: revogf

$$-\frac{x (x - 1)^2}{x^3 + x - 1}$$

Sequence: A049133
Score: 7.58528
Type of gen. func.: ogf

$$f(x)^3 x^3 + f(x)^3 x^2 - 2 f(x)^2 x + f(x) x + f(x) - 1$$

Sequence: A049134
Score: 15.0376
Type of gen. func.: revogf

$$-\frac{x (x^3 - 6 x^2 + 5 x - 1)}{2 x^3 + 2 x^2 - 4 x + 1}$$

Sequence: A049135
Score: 20.6025
Type of gen. func.: revogf

$$\frac{x (x^3 - 2 x^2 + 3 x - 1)}{2 x - 1}$$

Sequence: A049136
Score: 21.0409
Type of gen. func.: revogf

$$-\frac{x (x^3 - 3 x + 1)}{2 x^2 + 2 x - 1}$$

Sequence: A049137
Score: 17.1615
Type of gen. func.: revogf

$$-\frac{x (x^3 - 4 x^2 - x + 1)}{2 x^3 + 4 x^2 - 1}$$

Sequence: A049138
Score: 18.4354
Type of gen. func.: revogf

$$\frac{x (x^3 + 2 x^2 - 3 x + 1)}{2 x^3 - 2 x + 1}$$

Sequence: A049139
Score: 21.6442
Type of gen. func.: revogf

$$-\frac{x (x^3 - 2 x^2 - x + 1)}{2 x^2 - 1}$$

Sequence: A049140
Score: 47.5404
Type of gen. func.: revogf

$$-x (x^3 + x - 1)$$

Sequence: A049141
Score: 16.0119
Type of gen. func.: revogf

$$\frac{x (x^3 + 4 x^2 - x - 1)}{2 x^3 + 2 x^2 - 2 x - 1}$$

Sequence: A049142
Score: 23.1047

Type of gen. func.: revogf

$$-\frac{x\,(x^3 - 2\,x^2 + x - 1)}{2\,x^2 + 1}$$

Sequence: A049143
Score: 18.1742
Type of gen. func.: revogf

$$-\frac{x\,(x^3 - 2\,x^2 - x + 1)}{2\,x^3 + 2\,x^2 - 1}$$

Sequence: A049144
Score: 25.3247
Type of gen. func.: revogf

$$\frac{x\,(x^3 - 2\,x^2 + x + 1)}{2\,x + 1}$$

Sequence: A049145
Score: 24.6830
Type of gen. func.: revogf

$$-\frac{x\,(x^3 - x - 1)}{2\,x^2 + 2\,x + 1}$$

Sequence: A049146
Score: 18.3747
Type of gen. func.: revogf

$$-\frac{x\,(x^3 - 3\,x - 1)}{2\,x^3 + 4\,x^2 + 4\,x + 1}$$

Sequence: A049147
Score: 22.8744
Type of gen. func.: revogf

$$-\frac{x (x^3 - 4 x^2 - x + 1)}{6 x^2 - 1}$$

Sequence: A049148
Score: 17.9308
Type of gen. func.: revogf

$$\frac{x (x^3 + 2 x^2 - x - 1)}{2 x^3 + 2 x^2 - 2 x - 1}$$

Sequence: A049150
Score: 24.1584
Type of gen. func.: revogf

$$\frac{x (2 x^3 - 2 x^2 + 2 x - 1)}{x - 1}$$

Sequence: A049151
Score: 21.5653
Type of gen. func.: revogf

$$\frac{x (2 x^4 - 2 x^3 + 2 x - 1)}{x - 1}$$

Sequence: A049152
Score: 20.7166
Type of gen. func.: revogf

$$\frac{x (2 x^5 - 2 x^4 + 2 x - 1)}{x - 1}$$

Sequence: A049153
Score: 15.7421
Type of gen. func.: revogf

$$\frac{x (2 x^5 - 2 x^4 + 2 x^3 - 2 x^2 + 2 x - 1)}{x - 1}$$

Sequence: A049154
Score: 20.8843
Type of gen. func.: revogf

$$\frac{x (2 x^5 - 2 x^3 + 2 x - 1)}{x - 1}$$

Sequence: A049155
Score: 20.7166
Type of gen. func.: revogf

$$\frac{x (2 x^6 - 2 x^5 + 2 x - 1)}{x - 1}$$

Sequence: A049156
Score: 16.0779
Type of gen. func.: revogf

$$\frac{x (2 x^6 - 2 x^5 + 2 x^3 - 2 x^2 + 2 x - 1)}{x - 1}$$

Sequence: A049157
Score: 14.9368
Type of gen. func.: revogf

$$\frac{x (2 x^6 - 2 x^5 + 2 x^4 - 2 x^3 + 2 x - 1)}{x - 1}$$

Sequence: A049158
Score: 22.5869
Type of gen. func.: revogf

$$\frac{x\,(2\,x^6 - 2\,x^4 + 2\,x - 1)}{x - 1}$$

Sequence: A049159
Score: 22.5322
Type of gen. func.: revogf

$$\frac{x\,(2\,x^6 - 2\,x^3 + 2\,x - 1)}{x - 1}$$

Sequence: A049160
Score: 20.9406
Type of gen. func.: revogf

$$\frac{x\,(2\,x^7 - 2\,x^6 + 2\,x - 1)}{x - 1}$$

Sequence: A049161
Score: 16.7443
Type of gen. func.: revogf

$$\frac{x\,(2\,x^7 - 2\,x^6 + 2\,x^3 - 2\,x^2 + 2\,x - 1)}{x - 1}$$

Sequence: A049162
Score: 15.0163
Type of gen. func.: revogf

$$\frac{x\,(2\,x^7 - 2\,x^6 + 2\,x^4 - 2\,x^3 + 2\,x - 1)}{x - 1}$$

Sequence: A049163
Score: 15.8902
Type of gen. func.: revogf

$$\frac{x (2 x^{7} - 2 x^{6} + 2 x^{5} - 2 x^{4} + 2 x - 1)}{x - 1}$$

Sequence: A049164
Score: 11.7080
Type of gen. func.: revogf

$$\frac{x (2 x^{7} - 2 x^{6} + 2 x^{5} - 2 x^{4} + 2 x^{3} - 2 x^{2} + 2 x - 1)}{x - 1}$$

Sequence: A049165
Score: 14.6190
Type of gen. func.: revogf

$$\frac{x (2 x^{7} - 2 x^{6} + 2 x^{5} - 2 x^{3} + 2 x - 1)}{x - 1}$$

Sequence: A049166
Score: 20.7166
Type of gen. func.: revogf

$$\frac{x (2 x^{7} - 2 x^{5} + 2 x - 1)}{x - 1}$$

Sequence: A049167
Score: 15.6613
Type of gen. func.: revogf

$$\frac{x (2 x^{7} - 2 x^{5} + 2 x^{3} - 2 x^{2} + 2 x - 1)}{x - 1}$$

Sequence: A049168

Score: 14.9368
Type of gen. func.: revogf

$$\frac{x\,(2x^7 - 2x^5 + 2x^4 - 2x^3 + 2x - 1)}{x - 1}$$

Sequence: A049169
Score: 22.5869
Type of gen. func.: revogf

$$\frac{x\,(2x^7 - 2x^4 + 2x - 1)}{x - 1}$$

Sequence: A049170
Score: 22.4172
Type of gen. func.: revogf

$$\frac{x\,(2x^7 - 2x^3 + 2x - 1)}{x - 1}$$

Sequence: A049171
Score: 12.4249
Type of gen. func.: ogf

$$-2\,f(x)^3\,x^2 - f(x)\,x + f(x) - 1$$

Sequence: A049171
Score: 37.8968
Type of gen. func.: revogf

$$-\frac{x\,(2x^2 - 1)}{x + 1}$$

Sequence: A049172
Score: 18.7118
Type of gen. func.: revogf

$$-\frac{x(2x^4+2x^3+2x^2-1)}{x+1}$$

Sequence: A049173
Score: 33.1466
Type of gen. func.: revogf

$$-\frac{x(2x^4-1)}{x+1}$$

Sequence: A049174
Score: 21.7552
Type of gen. func.: revogf

$$\frac{x(2x^5+2x^4-2x^2+1)}{x+1}$$

Sequence: A049175
Score: 21.8080
Type of gen. func.: revogf

$$\frac{x(2x^5-2x^3-2x^2+1)}{x+1}$$

Sequence: A049176
Score: 19.4784
Type of gen. func.: revogf

$$-\frac{x(2x^6+2x^5+2x^2-1)}{x+1}$$

Sequence: A049177
Score: 13.6357
Type of gen. func.: revogf

$$-\frac{x\,(2\,x^6+2\,x^5+2\,x^4+2\,x^3+2\,x^2-1)}{x+1}$$

Sequence: A049178
Score: 21.7130
Type of gen. func.: revogf

$$-\frac{x\,(2\,x^6+2\,x^5+2\,x^4-1)}{x+1}$$

Sequence: A049179
Score: 18.8633
Type of gen. func.: revogf

$$-\frac{x\,(2\,x^6-2\,x^4+2\,x^2-1)}{x+1}$$

Sequence: A049180
Score: 20.5035
Type of gen. func.: revogf

$$-\frac{x\,(2\,x^6+2\,x^3+2\,x^2-1)}{x+1}$$

Sequence: A049181
Score: 33.6540
Type of gen. func.: revogf

$$-\frac{x\,(2\,x^6-1)}{x+1}$$

Sequence: A049182
Score: 20.6025
Type of gen. func.: revogf

7   6   2

$$\frac{x (2 x + 2 x - 2 x + 1)}{x + 1}$$

Sequence: A049183
Score: 14.1479
Type of gen. func.: revogf

$$\frac{x (2 x^{7} + 2 x^{6} - 2 x^{4} - 2 x^{3} - 2 x^{2} + 1)}{x + 1}$$

Sequence: A049184
Score: 15.4252
Type of gen. func.: revogf

$$\frac{x (2 x^{7} + 2 x^{6} + 2 x^{5} - 2 x^{3} - 2 x^{2} + 1)}{x + 1}$$

Sequence: A049185
Score: 20.7121
Type of gen. func.: revogf

$$\frac{x (2 x^{7} - 2 x^{5} - 2 x^{2} + 1)}{x + 1}$$

Sequence: A049186
Score: 14.3009
Type of gen. func.: revogf

$$\frac{x (2 x^{7} - 2 x^{5} - 2 x^{4} - 2 x^{3} - 2 x^{2} + 1)}{x + 1}$$

Sequence: A049187
Score: 22.8658
Type of gen. func.: revogf

$$x (2 x^{7} - 2 x^{5} - 2 x^{4} + 1)$$

$$\overline{\qquad\qquad\qquad\qquad}$$
$$x + 1$$

Sequence: A049188
Score: 20.1642
Type of gen. func.: revogf

$$\frac{x\,(2\,x^{7} + 2\,x^{4} - 2\,x^{2} + 1)}{x + 1}$$

Sequence: A049189
Score: 21.9176
Type of gen. func.: revogf

$$\frac{x\,(2\,x^{7} - 2\,x^{3} - 2\,x^{2} + 1)}{x + 1}$$

Sequence: A049194
Score: 8.34190
Type of gen. func.: lgdogf

$$- \frac{x^{8} - 2\,x^{7} + 3\,x^{6} + 2\,x^{5} - 8\,x^{4} - 6\,x^{3} + 4\,x^{2} + 2\,x + 2}{(x - 1)\,(x + 1)\,(x^{3} + x - 1)\,(x^{5} + x^{4} - x^{3} - x - 1)}$$

Sequence: A049194
Score: 9.72523
Type of gen. func.: ogf

$$- \frac{x^{5} + x^{4} - x^{3} - x - 1}{(x - 1)\,(x + 1)\,(x^{3} + x - 1)}$$

Sequence: A049206
Score: 11.0869
Type of gen. func.: ogf

$$\qquad ^{3} \qquad ^{2}$$

$$-\frac{x\,(x\ \ - 2\,x\ \ + x - 1)}{(x^2 + 1)\,(x - 1)^2}$$

Sequence: A049206
Score: 15.0014
Type of gen. func.: lgdogf

$$-\frac{x^5 - 3\,x^4 + 2\,x^3 - 2\,x^2 - x - 1}{(x - 1)\,(x^2 + 1)\,(x^3 - 2\,x^2 + x - 1)}$$

Sequence: A049206
Score: 5.57788
Type of gen. func.: ogf

$$\{a(5 + n) - 2\,a(n + 4) + 2\,a(n + 3) - 2\,a(n + 2) + a(n + 1),\ a(0) = 0,\ a(1) = 1,\ a(2) = 1,\ a(3) = 2,\ a(4) = 3\}$$

Sequence: A049206
Score: 6.32421
Type of gen. func.: ogf

$$(5\,f(x) - 27)$$

$$(f(x)\,x^4 - 2\,f(x)\,x^3 + x^4 + 2\,f(x)\,x^2 - 2\,x^3 - 2\,f(x)\,x + x^2 + f(x) - x)$$

Sequence: A049209
Score: 10.3508
Type of gen. func.: revegf]

$$\frac{x\,(x^6 - 7\,x^5 + 21\,x^4 - 35\,x^3 + 35\,x^2 - 21\,x + 7)}{7}$$

Sequence: A049209
Score: 31.0523
Type of gen. func.: lgdegf]

$$-6 + (1 - 7\,x)\,f(x)$$

Sequence: A049209
Score: 5.35525
Type of gen. func.: ogf

$$\{(-7 n - 13) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 6\}$$

Sequence: A049210
Score: 10.1552
Type of gen. func.: revegf]

$$-\frac{x (x - 2) (x^2 - 2 x + 2) (x^4 - 4 x^3 + 6 x^2 - 4 x + 2)}{8}$$

Sequence: A049210
Score: 32.4966
Type of gen. func.: lgdegf]

$$-7 + (1 - 8 x) f(x)$$

Sequence: A049210
Score: 5.59866
Type of gen. func.: ogf

$$\{(-8 n - 15) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 7\}$$

Sequence: A049211
Score: 10.1164
Type of gen. func.: lgdegf]

$$64 + (-16 + 144 x) f(x) + (81 x^2 - 18 x + 1) f(x)^2$$

Sequence: A049212
Score: 26.8854
Type of gen. func.: lgdegf]

$$-9 + (1 - 10 x) f(x)$$

Sequence: A049212
Score: 4.89692
Type of gen. func.: ogf

$$\{(-10 n - 19) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 9\}$$

Sequence: A049212
Score: 6.82804
Type of gen. func.: revegf]

$$-\frac{x (x - 2) (x^4 - 3 x^3 + 4 x^2 - 2 x + 1) (x^4 - 5 x^3 + 10 x^2 - 10 x + 5)}{10}$$

Sequence: A049219
Score: 11.5514
Type of gen. func.: lgdogf

$$\frac{6 x^3 - 6 x^2 + 3 x - 1}{(x - 1) (2 x - 1) (4 x^3 - 7 x^2 + 5 x - 1)}$$

Sequence: A049219
Score: 4.87490
Type of gen. func.: ogf

$$\{-a(n + 4) + 5 a(n + 3) - 7 a(n + 2) + 4 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 10\}$$

Sequence: A049219
Score: 5.27123
Type of gen. func.: ogf

$$-(-3 + 5 f(x))$$

$$(4 f(x) x^3 - 7 f(x) x^2 - 2 x^3 + 5 f(x) x + 5 x^2 - f(x) - 4 x + 1)$$

Sequence: A049219
Score: 9.39655
Type of gen. func.: ogf

$$\frac{(2 x - 1) (x - 1)^2}{4 x^3 - 7 x^2 + 5 x - 1}$$

Sequence: A049220
Score: 13.1147
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 12 x^2 + 9 x - 3}{(x - 1) (4 x^3 - 7 x^2 + 5 x - 1)}$$

Sequence: A049220
Score: 4.74699
Type of gen. func.: ogf

{a(n + 3) - 5 a(n + 2) + 7 a(n + 1) - 4 a(n), a(0) = 0, a(1) = 0, a(2) = 1,

a(3) = 3, a(4) = 9}

Sequence: A049220
Score: 6.5577
Type of gen. func.: ogf

$$4 f(x) x^3 + x^4 - 7 f(x) x^2 - 2 x^3 + 5 f(x) x + x^2 - f(x)$$

Sequence: A049220
Score: 9.21880
Type of gen. func.: ogf

$$- \frac{x^2 (x - 1)^2}{4 x^3 - 7 x^2 + 5 x - 1}$$

Sequence: A049221

Score: 4.57756
Type of gen. func.: ogf

$$\{a(5+n)-5a(n+4)+7a(n+3)-4a(n+2),\ a(0)=1,\ a(1)=0,\ a(2)=1,\ a(3)=4,\ a(4)=14\}$$

Sequence: A049221
Score: 5.53922
Type of gen. func.: ogf

$$f(x)\,(4 f(x) x^3 + x^4 - 7 f(x) x^2 - 5 x^3 + 5 f(x) x + 8 x^2 - f(x) - 5 x + 1)$$

Sequence: A049221
Score: 8.56062
Type of gen. func.: ogf

$$-\frac{(x^2-3x+1)(x-1)^2}{4x^3-7x^2+5x-1}$$

Sequence: A049221
Score: 9.83758
Type of gen. func.: lgdogf

$$\frac{2x(2x-1)(x^3-2x^2+x-1)}{(x-1)(x^2-3x+1)(4x^3-7x^2+5x-1)}$$

Sequence: A049222
Score: 10.9252
Type of gen. func.: ogf

$$\frac{x^3(x-1)}{4x^3-7x^2+5x-1}$$

Sequence: A049222
Score: 13.5328

Type of gen. func.: lgdogf

$$-\frac{8x^3 - 19x^2 + 14x - 4}{(x - 1)(4x^3 - 7x^2 + 5x - 1)}$$

Sequence: A049222
Score: 4.72652
Type of gen. func.: ogf

$$\{-a(5 + n) + 5a(n + 4) - 7a(n + 3) + 4a(n + 2),\ a(0) = 0,\ a(1) = 0,\ a(2) = 0,\ a(3) = 1,\ a(4) = 4\}$$

Sequence: A049222
Score: 6.22842
Type of gen. func.: ogf

$$-f(x)(4f(x)x^3 - x^4 - 7f(x)x^2 + x^3 + 5f(x)x - f(x))$$

Sequence: A049293
Score: 4.07429
Type of gen. func.: ogf

$$(69f(x) - 16)(36f(x)x^4 - 72f(x)x^3 + 47f(x)x^2 + 14x^3 - 12f(x)x - 4x^2 + f(x))$$

Sequence: A049293
Score: 7.30685
Type of gen. func.: lgdogf

$$-\frac{756x^4 - 1296x^3 + 761x^2 - 188x + 17}{(x - 1)(6x - 1)(3x - 1)(7x - 2)(2x - 1)}$$

Sequence: A049293
Score: 7.48788
Type of gen. func.: ogf

$$-\frac{2 x^{2} (7 x - 2)}{(x - 1) (6 x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A049294
Score: 10.1310
Type of gen. func.: lgdogf

$$-\frac{96 x^{3} - 44 x^{2} - 40 x + 13}{(x - 1) (6 x - 1) (2 x - 1) (4 x + 1)}$$

Sequence: A049294
Score: 10.3489
Type of gen. func.: ogf

$$-\frac{4 x + 1}{(x - 1) (6 x - 1) (2 x - 1)}$$

Sequence: A049294
Score: 4.90680
Type of gen. func.: ogf

$\{a(n + 3) - 9 a(n + 2) + 20 a(n + 1) - 12 a(n), a(0) = 1, a(1) = 13, a(2) = 97\}$

Sequence: A049294
Score: 5.03707
Type of gen. func.: ogf

$$(24515 f(x) - 17346) (12 f(x) x^{3} - 20 f(x) x^{2} + 9 f(x) x - f(x) + 4 x + 1)$$

Sequence: A049295
Score: 6.27750
Type of gen. func.: ogf

$$\frac{264 x^{3} + 116 x^{2} - 34 x - 1}{(x - 1) (6 x - 1) (24 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A049308
Score: 11.0279
Type of gen. func.: egf]

$$-36 f(x)^3 x^2 + 12 f(x)^3 x - f(x)^3 + 1$$

Sequence: A049308
Score: 27.4340
Type of gen. func.: revegf]

$$\frac{x (4 x^2 - 6 x + 3)}{3}$$

Sequence: A049308
Score: 5.98131
Type of gen. func.: ogf

$$\{(-6 n - 10) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A049308
Score: 52.1247
Type of gen. func.: lgdegf]

$$- \frac{4}{6 x - 1}$$

Sequence: A049332
Score: 12.3429
Type of gen. func.: ogf

$$- \frac{5 x^2 - 2}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A049332
Score: 13.5232
Type of gen. func.: lgdogf

$$-\frac{2(5x^4 - x^2 - 3x + 2)}{(x - 1)(2x - 1)(x + 1)(5x^2 - 2)}$$

Sequence: A049332
Score: 6.28165
Type of gen. func.: ogf

$$\{a(n + 3) - 2a(n + 2) - a(n + 1) + 2a(n), a(0) = 2, a(1) = 4, a(2) = 5\}$$

Sequence: A049332
Score: 6.5143
Type of gen. func.: ogf

$$(9f(x) + 67)(2f(x)x^3 - f(x)x^2 - 2f(x)x + 5x^2 + f(x) - 2)$$

Sequence: A049341
Score: 12.0348
Type of gen. func.: ogf

$$-\frac{3(x^7 + 3x^6 + x^5 + 2x^4 + 2x^3 + 3x^2 + 2x + 1)}{(x - 1)(x + 1)(x^2 + 1)(x^4 + 1)}$$

Sequence: A049342
Score: 9.62540
Type of gen. func.: ogf

$$-\frac{x^7 + 3x^6 + x^5 + 2x^4 + 2x^3 + 3x^2 + 2x + 1}{(x - 1)(x + 1)(x^2 + 1)(x^4 + 1)}$$

Sequence: A049347
Score: 20.8628
Type of gen. func.: ogf

```
    1
----------
 2
```

$$x \quad + x + 1$$

Sequence: A049347
Score: 27.4705
Type of gen. func.: ogf_with_Euler_transform]

$$[x^2 - 1]$$

Sequence: A049347
Score: 52.2478
Type of gen. func.: lgdogf

$$-\frac{2 x + 1}{x^2 + x + 1}$$

Sequence: A049347
Score: 8.09966
Type of gen. func.: ogf

$$-(f(x) - 2) (f(x) x^2 + f(x) x + f(x) - 1)$$

Sequence: A049347
Score: 8.39599
Type of gen. func.: ogf

$$\{-a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = -1\}$$

Sequence: A049348
Score: 10.2657
Type of gen. func.: lgdogf

$$-\frac{9 x^4 + 18 x^3 + 15 x^2 + 12 x + 4}{(3 x^2 + 3 x + 1) (3 x^3 + 3 x^2 + x - 1)}$$

Sequence: A049348

Score: 10.4819
Type of gen. func.: ogf

$$-\frac{3x^2+3x+1}{3x^3+3x^2+x-1}$$

Sequence: A049348
Score: 15.6552
Type of gen. func.: revogf

$$\frac{((10x+1)(x+1)^2)^{(1/3)}-1-x}{3(x+1)}$$

Sequence: A049348
Score: 5.55993
Type of gen. func.: ogf

$$-(f(x)-1)(3f(x)x^3+3f(x)x^2+f(x)x+3x^2-f(x)+3x+1)$$

Sequence: A049348
Score: 5.65835
Type of gen. func.: ogf

$$\{a(n+3)-a(n+2)-3a(n+1)-3a(n),\ a(0)=1,\ a(1)=4,\ a(2)=10\}$$

Sequence: A049349
Score: 13.1691
Type of gen. func.: revogf

$$-\frac{(x+1)^{(1/4)}-(17x+1)^{(1/4)}}{4(x+1)^{1/4}}$$

Sequence: A049349
Score: 4.20243
Type of gen. func.: ogf

$$(268 f(x) - 15) (16 f(x) x^4 + 16 f(x) x^3 + 6 f(x) x^2 + 16 x^3 + f(x) x + 16 x^2 - f(x) + 6 x + 1)$$

Sequence: A049349
Score: 6.10936
Type of gen. func.: lgdogf

$$- \frac{256 x^6 + 512 x^5 + 448 x^4 + 224 x^3 + 116 x^2 + 44 x + 7}{(2 x + 1) (8 x^2 + 4 x + 1) (16 x^4 + 16 x^3 + 6 x^2 + x - 1)}$$

Sequence: A049349
Score: 7.47099
Type of gen. func.: ogf

$$- \frac{(2 x + 1) (8 x^2 + 4 x + 1)}{16 x^4 + 16 x^3 + 6 x^2 + x - 1}$$

Sequence: A049350
Score: 11.7166
Type of gen. func.: revogf

$$\frac{-(x + 1)^{(1/5)} + (26 x + 1)^{(1/5)}}{5 (x + 1)^{1/5}}$$

Sequence: A049350
Score: 5.13553
Type of gen. func.: ogf

$$- \frac{125 x^4 + 125 x^3 + 50 x^2 + 10 x + 1}{125 x^5 + 125 x^4 + 50 x^3 + 10 x^2 + x - 1}$$

Sequence: A049351
Score: 13.4475

Type of gen. func.: revogf

$$-\frac{(x + 1)^{(1/6)} - (37 x + 1)^{(1/6)}}{6 (x + 1)^{1/6}}$$

Sequence: A049351
Score: 4.71084
Type of gen. func.: ogf

$$-\frac{(3 x + 1) (12 x^2 + 6 x + 1) (36 x^2 + 6 x + 1)}{1296 x^6 + 1296 x^5 + 540 x^4 + 120 x^3 + 15 x^2 + x - 1}$$

Sequence: A049376
Score: 24.0426
Type of gen. func.: lgdegf]

$$-\frac{3 x^2 - 6 x + 4}{(x - 1)^3}$$

Sequence: A049376
Score: 3.97479
Type of gen. func.: ogf

$$\{(-n^3 - 3 n^2 - 2 n) a(n) + (3 n^2 + 9 n + 6) a(n + 1) + (-3 n - 7) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 1, a(2) = 4\}$$

Sequence: A049377
Score: 17.9016
Type of gen. func.: lgdegf]

$$-\frac{4 x^3 - 12 x^2 + 12 x - 5}{(x - 1)^4}$$

Sequence: A049378
Score: 13.4769
Type of gen. func.: lgdegf]

$$-\frac{5 x^4 - 20 x^3 + 30 x^2 - 20 x + 6}{(x - 1)^5}$$

Sequence: A049380
Score: 29.1937
Type of gen. func.: lgdogf

$$-10 + (1 - 25 x) f(x)$$

Sequence: A049380
Score: 4.74191
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (35 + 25 n) a(n + 1), a(0) = 1, a(1) = 10\}$$

Sequence: A049381
Score: 30.0092
Type of gen. func.: lgdogf

$$-15 + (1 - 25 x) f(x)$$

Sequence: A049381
Score: 4.87147
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (40 + 25 n) a(n + 1), a(0) = 1, a(1) = 15\}$$

Sequence: A049382
Score: 30.6616
Type of gen. func.: lgdogf

$$-20 + (1 - 25 x) f(x)$$

Sequence: A049382
Score: 4.97511
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (45 + 25 n) a(n + 1), a(0) = 1, a(1) = 20\}$$

Sequence: A049388
Score: 15.3170
Type of gen. func.: revegf]

$$\frac{-1 + (7 x + 1)^{(1/7)}}{(7 x + 1)^{1/7}}$$

Sequence: A049388
Score: 5.69861
Type of gen. func.: ogf

$$\{(-n - 9) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 8\}$$

Sequence: A049388
Score: 5.83114
Type of gen. func.: egf]

$$\frac{1}{(x - 1)^8}$$

Sequence: A049388
Score: 61.2682
Type of gen. func.: lgdegf]

$$- \frac{8}{x - 1}$$

Sequence: A049389
Score: 15.7597
Type of gen. func.: revegf]

$$-1 + (8 x + 1)^{(1/8)}$$

```
                              -------------------
                                        1/8
                                 (8 x + 1)



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Sequence:  A049389
Score: 38.7932
Type of gen. func.: lgdegf]


                               -9 + (1 - x) f(x)



--------------------------------------------------------------------------------

Sequence:  A049389
Score: 5.79375
Type of gen. func.: ogf


              {(-n - 10) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 9}



--------------------------------------------------------------------------------

Sequence:  A049390
Score: 26.9557
Type of gen. func.: lgdogf


                             -20 + (-1 + 25 x) f(x)



--------------------------------------------------------------------------------

Sequence:  A049390
Score: 4.28967
Type of gen. func.: ogf


        {(n + 2) a(n + 2) + (-5 - 25 n) a(n + 1), a(0) = 1, a(1) = -20}



--------------------------------------------------------------------------------

Sequence:  A049391
Score: 27.5719
Type of gen. func.: lgdogf


                             -15 + (-1 + 25 x) f(x)



--------------------------------------------------------------------------------

Sequence:  A049391
Score: 4.35322
Type of gen. func.: ogf


        {(n + 2) a(n + 2) + (-10 - 25 n) a(n + 1), a(0) = 1, a(1) = -15}
```

Sequence: A049392
Score: 28.1880
Type of gen. func.: lgdogf

$$-10 + (-1 + 25 x) f(x)$$

Sequence: A049392
Score: 4.45687
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) + (-15 - 25 n) a(n + 1), a(0) = 1, a(1) = -10\}$$

Sequence: A049393
Score: 38.7650
Type of gen. func.: lgdogf

$$-5 + (-1 + 25 x) f(x)$$

Sequence: A049393
Score: 5.86255
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) + (-20 - 25 n) a(n + 1), a(0) = 1, a(1) = -5\}$$

Sequence: A049394
Score: 31.6401
Type of gen. func.: lgdogf

$$-30 + (1 - 25 x) f(x)$$

Sequence: A049394
Score: 5.13059
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (55 + 25 n) a(n + 1), a(0) = 1, a(1) = 30\}$$

Sequence: A049395
Score: 32.2925

Type of gen. func.: lgdogf

$$-35 + (1 - 25 x) f(x)$$

Sequence: A049395
Score: 5.23423
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (60 + 25 n) a(n + 1), a(0) = 1, a(1) = 35\}$$

Sequence: A049396
Score: 32.6187
Type of gen. func.: lgdogf

$$-40 + (1 - 25 x) f(x)$$

Sequence: A049396
Score: 5.28606
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (65 + 25 n) a(n + 1), a(0) = 1, a(1) = 40\}$$

Sequence: A049397
Score: 28.5142
Type of gen. func.: lgdogf

$$-45 + (1 - 25 x) f(x)$$

Sequence: A049397
Score: 4.63152
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (70 + 25 n) a(n + 1), a(0) = 1, a(1) = 45\}$$

Sequence: A049398
Score: 16.2910
Type of gen. func.: revegf]

$$-1 + (1 + 9 x)^{(1/9)}$$

$$\frac{}{(1 + 9 x)^{1/9}}$$

Sequence: A049398
Score: 37.2365
Type of gen. func.: lgdegf]

$$-10 + (1 - x) f(x)$$

Sequence: A049398
Score: 5.91826
Type of gen. func.: ogf

$$\{(-n - 11) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 10\}$$

Sequence: A049402
Score: 11.6476
Type of gen. func.: lgdegf]

$$- \frac{6 x^5 - 30 x^4 + 60 x^3 - 60 x^2 + 30 x - 7}{(x - 1)^6}$$

Sequence: A049412
Score: 7.15628
Type of gen. func.: lgdegf]

$$(-25 n - 55) a(n + 1) + (10 n + 26) a(n + 2) + (-n - 3) a(n + 3), a(0) = 7,$$
$$a(1) = 36, a(2) = 183$$

Sequence: A049425
Score: 120.550
Type of gen. func.: lgdegf]

$$(x + 1)^2$$

Sequence: A049425

Score: 4.98186
Type of gen. func.: ogf

$$\{(-n^2 - 5 n - 6) a(n + 1) + (-2 n - 6) a(n + 2) + a(n + 4) - a(n + 3), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 9\}$$

Sequence: A049426
Score: 29.6841
Type of gen. func.: lgdegf]

$$1 + 3 x + 3 x^2 + x^3 - f(x)$$

Sequence: A049426
Score: 3.23989
Type of gen. func.: egf]

$$\{(5 + n) a(5 + n) - a(n + 4) - 3 a(n + 3) - 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 8/3, a(4) = 19/6\}$$

Sequence: A049427
Score: 11.6245
Type of gen. func.: lgdegf]

$$1 + 4 x + 4 x^3 + 6 x^2 + x^4 + (x^4 + 4 x^3 + 6 x^2 + 4 x) f(x) - f(x)^2$$

Sequence: A049428
Score: 12.6891
Type of gen. func.: lgdegf]

$$(-n - 2) a(n + 2) + (4 - n) a(n + 1), a(0) = 1, a(1) = 5$$

Sequence: A049431
Score: 24.1391
Type of gen. func.: lgdegf]

$$(x + 1)^5$$

Sequence: A049434
Score: 6.05096
Type of gen. func.: ogf

$$1/((x-1)(6x-1)(4x-1)(3x-1)(2x-1)(8x-1)(7x-1)(5x-1))$$

Sequence: A049440
Score: 3.89537
Type of gen. func.: ogf

$$-\frac{x^5+91x^4-534x^3-370x^2+181x-9}{(x-1)(x+1)(x^2-18x+1)(x^2+4x-1)}$$

Sequence: A049447
Score: 5.76820
Type of gen. func.: ogf

$$-1/((x-1)(6x-1)(4x-1)(3x-1)(9x-1)(2x-1)(8x-1)(7x-1)(5x-1))$$

Sequence: A049450
Score: 13.3567
Type of gen. func.: ogf

$$-\frac{2x(2x+1)}{(x-1)^3}$$

Sequence: A049450
Score: 34.0869
Type of gen. func.: lgdogf

$$-\frac{4x+5}{(2x+1)(x-1)}$$

Sequence: A049450

Score: 6.73746
Type of gen. func.: ogf

$$-(27 f(x) - 52) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) + 2 x)$$

Sequence: A049450
Score: 6.79761
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 2, a(2) = 10\}$$

Sequence: A049451
Score: 13.3567
Type of gen. func.: ogf

$$-\frac{2 x (x + 2)}{(x - 1)^3}$$

Sequence: A049451
Score: 37.4956
Type of gen. func.: lgdogf

$$-\frac{2 x + 7}{(x + 2) (x - 1)}$$

Sequence: A049451
Score: 6.79761
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 4, a(2) = 14\}$$

Sequence: A049451
Score: 8.14511
Type of gen. func.: ogf

$$-(81 f(x) - 190) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x) + 4 x)$$

Sequence: A049452
Score: 13.1312
Type of gen. func.: ogf

$$-\frac{x (7 x + 5)}{(x - 1)^3}$$

Sequence: A049452
Score: 29.4878
Type of gen. func.: lgdogf

$$-\frac{2 (7 x + 11)}{(7 x + 5) (x - 1)}$$

Sequence: A049452
Score: 6.39725
Type of gen. func.: ogf

$$(107568 f(x) - 424337) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 7 x^2 - f(x) + 5 x)$$

Sequence: A049452
Score: 6.68285
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 5, a(2) = 22\}$$

Sequence: A049453
Score: 13.1972
Type of gen. func.: ogf

$$-\frac{x (5 x + 7)}{(x - 1)^3}$$

Sequence: A049453
Score: 29.6383
Type of gen. func.: lgdogf

$$2 (5 x + 13)$$

$$-\frac{}{(5 x + 7) (x - 1)}$$

Sequence: A049453
Score: 6.4294
Type of gen. func.: ogf

$$(131760 f(x) - 573667) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 5 x^2 - f(x) + 7 x)$$

Sequence: A049453
Score: 6.71643
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 7, a(2) = 26\}$$

Sequence: A049480
Score: 11.1978
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1) (x + 1)}{(x - 1)^4}$$

Sequence: A049480
Score: 19.8057
Type of gen. func.: lgdogf

$$-\frac{x^3 + 3 x^2 + 4}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A049480
Score: 24.9317
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^2 + 4$$

Sequence: A049480
Score: 3.91323
Type of gen. func.: ogf

$$\{(-n^2 - 7 n - 10) a(n + 1) + (2 n^2 + 10 n + 4) a(n + 2) + (-n^2 - 3 n) a(n + 3),$$
$$a(0) = 1, a(1) = 4, a(2) = 10, a(3) = 21\}$$

Sequence: A049480
Score: 5.59892
Type of gen. func.: ogf

$$(1376 f(x) + 341) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x + f(x) - 1)$$

Sequence: A049486
Score: 7.68927
Type of gen. func.: ogf

$$- \frac{x^5 - x^4 + 3 x^3 + 2 x^2 + 2 x + 1}{(x + 1) (x - 1)^3}$$

Sequence: A049486
Score: 8.18890
Type of gen. func.: lgdogf

$$\frac{x^6 - 2 x^5 - 6 x^4 - 6 x^3 - 19 x^2 - 12 x - 4}{(x - 1) (x + 1) (x^5 - x^4 + 3 x^3 + 2 x^2 + 2 x + 1)}$$

Sequence: A049548
Score: 5.90647
Type of gen. func.: ogf

$$\frac{x (32 x^{10} + 16 x^9 - 12 x^8 - 12 x^7 - 17 x^6 - x^4 - 6 x^3 - 2 x^2 + 2 x + 1)}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A049598
Score: 10.0427
Type of gen. func.: ogf

$$f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 12 x$$

Sequence: A049598
Score: 17.0288
Type of gen. func.: ogf

$$- \frac{12 x}{(x - 1)^3}$$

Sequence: A049598
Score: 6.93210
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 12, a(2) = 36\}$$

Sequence: A049598
Score: 96.4968
Type of gen. func.: lgdogf

$$- \frac{3}{x - 1}$$

Sequence: A049601
Score: 11.3792
Type of gen. func.: lgdogf

$$- \frac{3 x^4 - 16 x^3 + 27 x^2 - 12 x - 3}{(x - 2) (x^2 - 3 x + 1) (x^2 - x - 1)}$$

Sequence: A049601
Score: 5.0895
Type of gen. func.: ogf

```
                         4           3           2    3                  2
```

$$(24 f(x) - 85) (f(x) x - 4 f(x) x + 3 f(x) x - x + 2 f(x) x + 2 x - f(x))$$

Sequence: A049601
Score: 9.66268
Type of gen. func.: ogf

$$\frac{x^2 (x - 2)}{(x^2 - 3 x + 1) (x^2 - x - 1)}$$

Sequence: A049602
Score: 10.2573
Type of gen. func.: ogf

$$\frac{x (x - 1)}{(x^2 - 3 x + 1) (x^2 - x - 1)}$$

Sequence: A049602
Score: 11.5197
Type of gen. func.: lgdogf

$$- \frac{3 x^4 - 12 x^3 + 15 x^2 - 6 x - 1}{(x - 1) (x^2 - 3 x + 1) (x^2 - x - 1)}$$

Sequence: A049602
Score: 5.3338
Type of gen. func.: ogf

$$(9 f(x) + 1) (f(x) x^4 - 4 f(x) x^3 + 3 f(x) x^2 + 2 f(x) x - x^2 - f(x) + x)$$

Sequence: A049608
Score: 2.26657
Type of gen. func.: ogf

$$8 f(x)^2 x^4 - 48 x^3 f(x)^2 + f(x) x^4 + 8 f(x)^2 x^2 - 6 f(x) x^3 + 2 f(x) x^2$$

$$- 6 f(x) x + f(x) - x$$

Sequence: A049610
Score: 11.4731
Type of gen. func.: ogf

$$4 f(x) x^2 + x^3 - 4 f(x) x - x^2 + f(x)$$

Sequence: A049610
Score: 12.6993
Type of gen. func.: ogf

$$-\frac{x^2 (x - 1)}{(2 x - 1)^2}$$

Sequence: A049610
Score: 28.9650
Type of gen. func.: lgdogf

$$-\frac{2 x - 3}{(2 x - 1) (x - 1)}$$

Sequence: A049610
Score: 6.00948
Type of gen. func.: ogf

$$\{a(n + 4) - 4 a(n + 3) + 4 a(n + 2), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 3\}$$

Sequence: A049611
Score: 10.2039
Type of gen. func.: ogf

$$-\frac{x (x - 1)^2}{(2 x - 1)^3}$$

Sequence: A049611
Score: 28.8417
Type of gen. func.: lgdogf

$$-\frac{2 (x - 2)}{(2 x - 1) (x - 1)}$$

Sequence: A049611
Score: 5.06361
Type of gen. func.: ogf

$\{a(n + 4) - 6 a(n + 3) + 12 a(n + 2) - 8 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 4,$

$a(3) = 13\}$

Sequence: A049611
Score: 5.61216
Type of gen. func.: ogf

$$-(5 f(x) - 4) (8 f(x) x^3 - 12 f(x) x^2 + x^3 + 6 f(x) x - 2 x^2 - f(x) + x)$$

Sequence: A049612
Score: 25.5428
Type of gen. func.: lgdogf

$$-\frac{-5 + 2 x}{(2 x - 1) (x - 1)}$$

Sequence: A049612
Score: 4.18063
Type of gen. func.: ogf

$$-(14 f(x) + 9) (16 f(x) x^4 - 32 f(x) x^3 + x^4 + 24 f(x) x^2 - 3 x^3 - 8 f(x) x + 3 x^2 + f(x) - x)$$

Sequence: A049612
Score: 5.14805
Type of gen. func.: ogf

$$\{(-1 - n)\, a(n + 2) + (5 + 3 n)\, a(n + 1) - 2 n\, a(n),\ a(0) = 0,\ a(1) = 1\}$$

Sequence: A049612
Score: 7.41564
Type of gen. func.: ogf

$$-\frac{x (x - 1)^3}{(2 x - 1)^4}$$

Sequence: A049624
Score: 3.51600
Type of gen. func.: ogf

$$\frac{x^3 + x^2 + 1}{(x + 1) (x - 1)^2}$$

Sequence: A049625
Score: 10.4188
Type of gen. func.: ogf

$$\frac{x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{(x^2 + x + 1) (x + 1) (x - 1)^2}$$

Sequence: A049626
Score: 4.61852
Type of gen. func.: ogf

$$\frac{x^5 + 2 x^4 + 2 x^3 + 3 x^2 + 3 x + 3}{(x^2 + x + 1) (x + 1) (x - 1)^2}$$

Sequence: A049629
Score: 11.2838
Type of gen. func.: revogf

$$-\frac{-1 - 18 x + (320 x^2 + 40 x + 1)^{1/2}}{2 (x - 1)}$$

Sequence: A049629
Score: 14.7031
Type of gen. func.: lgdogf

$$-\frac{x^2 + 2 x - 19}{(x + 1) (x^2 - 18 x + 1)}$$

Sequence: A049629
Score: 15.8744
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - 18 x + 1}$$

Sequence: A049629
Score: 8.20473
Type of gen. func.: ogf

$$(340 f(x) + 21) (f(x) x^2 - 18 f(x) x + f(x) - x - 1)$$

Sequence: A049629
Score: 8.69311
Type of gen. func.: ogf

$$\{-a(n + 2) + 18 a(n + 1) - a(n), a(0) = 1, a(1) = 19\}$$

Sequence: A049636
Score: 13.4058
Type of gen. func.: ogf

$$-\frac{(x + 2) (x^2 - x - 1)}{(x + 1) (x - 1)^2}$$

Sequence: A049636
Score: 7.00759
Type of gen. func.: ogf

$$\{a(n+4) - a(n+3) - a(n+2) + a(n+1),\ a(0) = 2,\ a(1) = 5,\ a(2) = 6,\ a(3) = 8\}$$

Sequence: A049636
Score: 7.58198
Type of gen. func.: ogf

$$(15 f(x) + 266) (f(x) x^3 - f(x) x^2 + x^3 - f(x) x + x^2 + f(x) - 3 x - 2)$$

Sequence: A049636
Score: 8.01755
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 2 x^2 - 7 x - 5}{(x - 1) (x + 2) (x + 1) (x^2 - x - 1)}$$

Sequence: A049637
Score: 10.5353
Type of gen. func.: ogf

$$- \frac{x^5 + 2 x^4 - 2 x^3 - 6 x^2 - 6 x - 2}{(x^2 + x + 1) (x + 1) (x - 1)^2}$$

Sequence: A049638
Score: 4.70026
Type of gen. func.: ogf

$$- \frac{x^5 + 2 x^4 - 3 x^3 - 7 x^2 - 7 x - 2}{(x^2 + x + 1) (x + 1) (x - 1)^2}$$

Sequence: A049651
Score: 10.2316
Type of gen. func.: ogf

$$\frac{x (x + 1)}{(x - 1) (x^2 + 4 x - 1)}$$

Sequence: A049651
Score: 12.7510
Type of gen. func.: lgdogf

$$- \frac{2 (x^3 + 3 x^2 + 3 x - 3)}{(x - 1) (x + 1) (x^2 + 4 x - 1)}$$

Sequence: A049651
Score: 5.25406
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 3 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 6\}$$

Sequence: A049651
Score: 5.45049
Type of gen. func.: ogf

$$(6 f(x) + 1) (f(x) x^3 + 3 f(x) x^2 - 5 f(x) x - x^2 + f(x) - x)$$

Sequence: A049652
Score: 14.0715
Type of gen. func.: ogf

$$\frac{x}{(x - 1) (x^2 + 4 x - 1)}$$

Sequence: A049652

Score: 17.1977
Type of gen. func.: lgdogf

$$-\frac{3 x^{2} + 6 x - 5}{(x - 1) (x^{2} + 4 x - 1)}$$

Sequence: A049652
Score: 5.19757
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 3 a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 5\}$$

Sequence: A049652
Score: 5.54741
Type of gen. func.: ogf

$$-(29 f(x) + 3) (f(x) x^{3} + 3 f(x) x^{2} - 5 f(x) x + f(x) - x)$$

Sequence: A049654
Score: 4.11538
Type of gen. func.: ogf

$$(2930176305 f(x) - 273046016)$$

$$(f(x) x^{3} - 48 f(x) x^{2} + 48 f(x) x + 4 x^{2} - f(x) + 11 x)$$

Sequence: A049654
Score: 4.50564
Type of gen. func.: ogf

$$\{a(n + 3) - 48 a(n + 2) + 48 a(n + 1) - a(n), a(0) = 0, a(1) = 11, a(2) = 532\}$$

Sequence: A049654
Score: 8.71090
Type of gen. func.: ogf

$$-\frac{x (4 x + 11)}{(x - 1) (x^{2} - 47 x + 1)}$$

Sequence: A049654
Score: 9.35508
Type of gen. func.: lgdogf

$$-\frac{8x^3 - 159x^2 - 1056x + 532}{(4x + 11)(x - 1)(x^2 - 47x + 1)}$$

Sequence: A049655
Score: 10.0888
Type of gen. func.: lgdogf

$$-\frac{2x^3 - 66x^2 + 576x - 287}{(x - 6)(x - 1)(x^2 - 47x + 1)}$$

Sequence: A049655
Score: 10.1200
Type of gen. func.: ogf

$$\frac{3x(x - 6)}{(x - 1)(x^2 - 47x + 1)}$$

Sequence: A049655
Score: 5.23446
Type of gen. func.: ogf

{-a(n + 3) + 48 a(n + 2) - 48 a(n + 1) + a(n), a(0) = 0, a(1) = 18, a(2) = 861}

Sequence: A049655
Score: 5.32629
Type of gen. func.: ogf

$$(287 f(x) + 108)(f(x) x^3 - 48 f(x) x^2 + 48 f(x) x - 3 x^2 - f(x) + 18 x)$$

Sequence: A049656
Score: 11.7835
Type of gen. func.: ogf

$$-\frac{11x+4}{(x-1)(x^2-47x+1)}$$

Sequence: A049656
Score: 5.23711
Type of gen. func.: ogf

$$(943542352305 f(x) - 9511085404)$$

$$(f(x) x^3 - 48 f(x) x^2 + 48 f(x) x - f(x) + 11 x + 4)$$

Sequence: A049656
Score: 5.54518
Type of gen. func.: ogf

{a(n + 3) - 48 a(n + 2) + 48 a(n + 1) - a(n), a(0) = 4, a(1) = 203, a(2) = 9552

}

Sequence: A049656
Score: 8.68491
Type of gen. func.: lgdogf

$$-\frac{22x^3-516x^2-384x+203}{(11x+4)(x-1)(x^2-47x+1)}$$

Sequence: A049657
Score: 4.15654
Type of gen. func.: ogf

$$(80337762855 f(x) - 3780999179)$$

$$(f(x) x^3 - 48 f(x) x^2 + 48 f(x) x + x^2 - f(x) + 29 x)$$

Sequence: A049657
Score: 4.58285
Type of gen. func.: ogf

{a(n + 3) - 48 a(n + 2) + 48 a(n + 1) - a(n), a(0) = 0, a(1) = 29, a(2) = 1393}

Sequence: A049657
Score: 8.93657
Type of gen. func.: ogf

$$-\frac{x (x + 29)}{(x - 1) (x^2 - 47 x + 1)}$$

Sequence: A049657
Score: 9.96358
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 39 x^2 - 2784 x + 1393}{(x - 1) (x + 29) (x^2 - 47 x + 1)}$$

Sequence: A049658
Score: 3.69884
Type of gen. func.: ogf

(550643850855 f(x) - 14480278261)

$$(f(x) x^3 - 48 f(x) x^2 + 48 f(x) x - f(x) + 29 x + 1)$$

Sequence: A049658
Score: 3.98096
Type of gen. func.: ogf

{a(n + 3) - 48 a(n + 2) + 48 a(n + 1) - a(n), a(0) = 1, a(1) = 77, a(2) = 3648}

Sequence: A049658
Score: 8.38845
Type of gen. func.: ogf

29 x + 1

$$-\frac{}{(x - 1) (x^{2} - 47 x + 1)}$$

Sequence: A049658
Score: 8.50364
Type of gen. func.: lgdogf

$$-\frac{58 x^{3} - 1389 x^{2} - 96 x + 77}{(x - 1) (29 x + 1) (x^{2} - 47 x + 1)}$$

Sequence: A049659
Score: 3.55108
Type of gen. func.: ogf

$$-(53392758965 f(x) - 295420189)$$

$$(f(x) x^{3} - 48 f(x) x^{2} + 48 f(x) x - x^{2} - f(x) + 29 x + 2)$$

Sequence: A049659
Score: 4.05839
Type of gen. func.: ogf

$$\{-a(n + 3) + 48 a(n + 2) - 48 a(n + 1) + a(n), a(0) = 2, a(1) = 125,$$

$$a(2) = 5903\}$$

Sequence: A049659
Score: 7.26757
Type of gen. func.: lgdogf

$$-\frac{x^{4} - 58 x^{3} + 1338 x^{2} + 194 x - 125}{(x - 1) (x^{2} - 47 x + 1) (x^{2} - 29 x - 2)}$$

Sequence: A049659
Score: 7.54606
Type of gen. func.: ogf

2

$$\frac{x - 29 x - 2}{(x - 1) (x^2 - 47 x + 1)}$$

Sequence: A049660
Score: 10.9017
Type of gen. func.: revogf

$$- \frac{-18 x - 1 + (1 + 16 x)^{1/2} (20 x + 1)^{1/2}}{2 x}$$

Sequence: A049660
Score: 11.0416
Type of gen. func.: ogf

$$-f(x) x^2 + 18 f(x) x - f(x) + x$$

Sequence: A049660
Score: 19.4853
Type of gen. func.: ogf

$$\frac{x}{x^2 - 18 x + 1}$$

Sequence: A049660
Score: 23.8799
Type of gen. func.: lgdogf

$$- \frac{2 (x - 9)}{x^2 - 18 x + 1}$$

Sequence: A049660
Score: 8.07926
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1) + a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A049661
Score: 11.1520
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - 5 x^2 - 57 x + 29)}{(x - 1) (3 + x) (x^2 - 18 x + 1)}$$

Sequence: A049661
Score: 4.67231
Type of gen. func.: ogf

$$\{a(n + 3) - 19 a(n + 2) + 19 a(n + 1) - a(n), a(0) = 0, a(1) = 3, a(2) = 58\}$$

Sequence: A049661
Score: 5.2737
Type of gen. func.: ogf

$$f(x) (f(x) x^3 - 19 f(x) x^2 + 19 f(x) x + x^2 - f(x) + 3 x)$$

Sequence: A049661
Score: 9.02785
Type of gen. func.: ogf

$$-\frac{x (3 + x)}{(x - 1) (x^2 - 18 x + 1)}$$

Sequence: A049662
Score: 10.8125
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - 17 x^2 + 95 x - 47)}{(x - 1) (x - 5) (x^2 - 18 x + 1)}$$

Sequence: A049662

Score: 11.7778
Type of gen. func.: ogf

$$\frac{x (x - 5)}{(x - 1) (x^2 - 18 x + 1)}$$

Sequence: A049662
Score: 6.09551
Type of gen. func.: ogf

$$\{-a(n + 3) + 19 a(n + 2) - 19 a(n + 1) + a(n), a(0) = 0, a(1) = 5, a(2) = 94\}$$

Sequence: A049662
Score: 6.88008
Type of gen. func.: ogf

$$f(x) (f(x) x^3 - 19 f(x) x^2 + 19 f(x) x - x^2 - f(x) + 5 x)$$

Sequence: A049663
Score: 11.7717
Type of gen. func.: ogf

$$- \frac{3 x + 1}{(x - 1) (x^2 - 18 x + 1)}$$

Sequence: A049663
Score: 5.5337
Type of gen. func.: ogf

$$(43080352 f(x) - 822841) (f(x) x^3 - 19 f(x) x^2 + 19 f(x) x - f(x) + 3 x + 1)$$

Sequence: A049663
Score: 5.53370
Type of gen. func.: ogf

$$\{a(n + 3) - 19 a(n + 2) + 19 a(n + 1) - a(n), a(0) = 1, a(1) = 22, a(2) = 399\}$$

Sequence: A049663
Score: 9.51379
Type of gen. func.: lgdogf

$$-\frac{2(x+1)(3x^2-30x+11)}{(x-1)(3x+1)(x^2-18x+1)}$$

Sequence: A049664
Score: 15.4070
Type of gen. func.: ogf

$$-\frac{x}{(x-1)(x^2-18x+1)}$$

Sequence: A049664
Score: 18.6762
Type of gen. func.: lgdogf

$$-\frac{3x^2-38x+19}{(x-1)(x^2-18x+1)}$$

Sequence: A049664
Score: 5.81139
Type of gen. func.: ogf

$$\{a(n+3)-19a(n+2)+19a(n+1)-a(n), a(0)=0, a(1)=1, a(2)=19\}$$

Sequence: A049664
Score: 8.38606
Type of gen. func.: ogf

$$f(x)x^3-19f(x)x^2+19f(x)x-f(x)+x$$

Sequence: A049665
Score: 11.9250

Type of gen. func.: ogf

$$\frac{x (x - 13)}{(x - 1) (x^2 - 18 x + 1)}$$

Sequence: A049665
Score: 6.16809
Type of gen. func.: ogf

$\{-a(n + 3) + 19 a(n + 2) - 19 a(n + 1) + a(n), a(0) = 0, a(1) = 13, a(2) = 246\}$

Sequence: A049665
Score: 6.74999
Type of gen. func.: ogf

$$-f(x) (f(x) x^3 - 19 f(x) x^2 + 19 f(x) x - x^2 - f(x) + 13 x)$$

Sequence: A049665
Score: 9.17087
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - 29 x^2 + 247 x - 123)}{(x - 1) (x - 13) (x^2 - 18 x + 1)}$$

Sequence: A049666
Score: 14.7222
Type of gen. func.: revogf

$$\frac{-11 x - 1 + (125 x^2 + 22 x + 1)^{1/2}}{2 x}$$

Sequence: A049666
Score: 14.9547
Type of gen. func.: ogf

$$-\frac{x}{}$$

$$x^2 + 11 x - 1$$

Sequence: A049666
Score: 25.4293
Type of gen. func.: lgdogf

$$-\frac{11 + 2 x}{x^2 + 11 x - 1}$$

Sequence: A049666
Score: 6.93021
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) + a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A049666
Score: 9.47128
Type of gen. func.: ogf

$$-f(x) x^2 - 11 f(x) x + f(x) - x$$

Sequence: A049667
Score: 14.9862
Type of gen. func.: revogf

$$\frac{-29 x - 1 + (845 x^2 + 58 x + 1)^{1/2}}{2 x}$$

Sequence: A049667
Score: 15.2099
Type of gen. func.: ogf

$$-\frac{x}{x^2 + 29 x - 1}$$

Sequence: A049667
Score: 25.8852
Type of gen. func.: lgdogf

$$-\frac{29 + 2 x}{x^2 + 29 x - 1}$$

Sequence: A049667
Score: 7.04848
Type of gen. func.: ogf

$$\{-a(n + 2) + 29 a(n + 1) + a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A049667
Score: 9.63293
Type of gen. func.: ogf

$$-f(x) x^2 - 29 f(x) x + f(x) - x$$

Sequence: A049668
Score: 10.9079
Type of gen. func.: ogf

$$-f(x) x^2 + 47 f(x) x - f(x) + x$$

Sequence: A049668
Score: 12.1150
Type of gen. func.: revogf

$$-\frac{-1 - 47 x + (45 x + 1)^{1/2} (49 x + 1)^{1/2}}{2 x}$$

Sequence: A049668
Score: 19.2492
Type of gen. func.: ogf

$$\frac{x}{}$$

$$x^2 - 47 x + 1$$

Sequence: A049668
Score: 24.2300
Type of gen. func.: lgdogf

$$- \frac{-47 + 2 x}{x^2 - 47 x + 1}$$

Sequence: A049668
Score: 7.98137
Type of gen. func.: ogf

$$\{a(n + 2) - 47 a(n + 1) + a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A049669
Score: 11.0181
Type of gen. func.: revogf

$$\frac{-1 - 76 x + (5780 x^2 + 152 x + 1)^{1/2}}{2 x}$$

Sequence: A049669
Score: 11.8063
Type of gen. func.: ogf

$$- \frac{x}{x^2 + 76 x - 1}$$

Sequence: A049669
Score: 20.0329
Type of gen. func.: lgdogf

$$- \frac{2 (38 + x)}{x^2 + 76 x - 1}$$

Sequence: A049669
Score: 5.47122
Type of gen. func.: ogf

$$\{-a(n + 2) + 76 a(n + 1) + a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A049669
Score: 7.47733
Type of gen. func.: ogf

$$-f(x) x^2 - 76 f(x) x + f(x) - x$$

Sequence: A049670
Score: 11.2267
Type of gen. func.: ogf

$$-f(x) x^2 + 123 f(x) x - f(x) + x$$

Sequence: A049670
Score: 16.1079
Type of gen. func.: lgdogf

$$-\frac{-123 + 2 x}{x^2 - 123 x + 1}$$

Sequence: A049670
Score: 19.5666
Type of gen. func.: ogf

$$\frac{x}{x^2 - 123 x + 1}$$

Sequence: A049670
Score: 8.21831
Type of gen. func.: revogf

$$-\frac{-123 x - 1 + (121 x + 1)^{1/2} (125 x + 1)^{1/2}}{2 x}$$

Sequence: A049670
Score: 8.25096
Type of gen. func.: ogf

$$\{a(n + 2) - 123 a(n + 1) + a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A049671
Score: 3.90748
Type of gen. func.: ogf

$$(1177 f(x) + 391)$$

$$(f(x) x^4 - 6 f(x) x^3 - 7 f(x) x^2 - x^3 + 8 f(x) x - 5 x^2 - f(x) + 2 x)$$

Sequence: A049671
Score: 7.38673
Type of gen. func.: ogf

$$\frac{x (x^2 + 5 x - 2)}{(x^2 - 7 x + 1) (x^2 + x - 1)}$$

Sequence: A049671
Score: 7.57492
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 9 x^4 - 68 x^3 - 7 x^2 + 30 x - 11}{(x^2 - 7 x + 1) (x^2 + 5 x - 2) (x^2 + x - 1)}$$

Sequence: A049672
Score: 3.69337
Type of gen. func.: ogf

$$-(142417 f(x) + 31532)$$

$$(f(x)\,x^4 - 6\,f(x)\,x^3 - 7\,f(x)\,x^2 - 2\,x^3 + 8\,f(x)\,x + 2\,x^2 - f(x) + x)$$

Sequence: A049672
Score: 7.36450
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^5 - 9\,x^4 + 10\,x^3 + 8\,x^2 + 9\,x - 5)}{(x^2 - 7\,x + 1)\,(2\,x^2 - 2\,x - 1)\,(x^2 + x - 1)}$$

Sequence: A049672
Score: 7.38673
Type of gen. func.: ogf

$$\frac{x\,(2\,x^2 - 2\,x - 1)}{(x^2 - 7\,x + 1)\,(x^2 + x - 1)}$$

Sequence: A049673
Score: 10.0421
Type of gen. func.: ogf

$$-\frac{x\,(x^2 + 2\,x - 1)}{(x^2 + x - 1)\,(x^2 + 4\,x - 1)}$$

Sequence: A049673
Score: 5.47068
Type of gen. func.: ogf

$(19\,f(x) - 5)$

$$(f(x)\,x^4 + 5\,f(x)\,x^3 + 2\,f(x)\,x^2 + x^3 - 5\,f(x)\,x + 2\,x^2 + f(x) - x)$$

Sequence: A049673
Score: 8.87985
Type of gen. func.: lgdogf

$$-\frac{2x^5+11x^4+16x^3-6x^2-6x+3}{(x^2+x-1)(x^2+2x-1)(x^2+4x-1)}$$

Sequence: A049674
Score: 12.1285
Type of gen. func.: ogf

$$\frac{x^2}{(x^2+x-1)(x^2+4x-1)}$$

Sequence: A049674
Score: 13.3623
Type of gen. func.: lgdogf

$$-\frac{4x^3+15x^2+4x-5}{(x^2+x-1)(x^2+4x-1)}$$

Sequence: A049674
Score: 4.75437
Type of gen. func.: ogf

$$-(2f(x)-1)(f(x)x^4+5f(x)x^3+2f(x)x^2-5f(x)x-x^2+f(x))$$

Sequence: A049675
Score: 4.47233
Type of gen. func.: ogf

$$-(5f(x)+1)(f(x)x^4+5f(x)x^3+2f(x)x^2+x^3-5f(x)x+f(x)-x)$$

Sequence: A049675
Score: 8.47050
Type of gen. func.: lgdogf

$$2x^5+5x^4-4x^3-10x^2-6x+5$$

$$- \frac{}{(x - 1) (x + 1) (x^2 + x - 1) (x^2 + 4 x - 1)}$$

Sequence: A049675
Score: 8.87585
Type of gen. func.: ogf

$$- \frac{x (x - 1) (x + 1)}{(x^2 + x - 1) (x^2 + 4 x - 1)}$$

Sequence: A049676
Score: 12.0631
Type of gen. func.: revogf

$$- \frac{-1 - 47 x + (2205 x^2 + 70 x + 1)^{1/2}}{2 (6 + x)}$$

Sequence: A049676
Score: 13.6821
Type of gen. func.: ogf

$$- \frac{6 x - 1}{x^2 - 47 x + 1}$$

Sequence: A049676
Score: 14.7438
Type of gen. func.: lgdogf

$$- \frac{6 x^2 - 2 x + 41}{(6 x - 1) (x^2 - 47 x + 1)}$$

Sequence: A049676
Score: 6.62503
Type of gen. func.: ogf

2

$$-(1925 f(x) - 244) (f(x) x - 47 f(x) x + f(x) + 6 x - 1)$$

Sequence: A049676
Score: 7.49260
Type of gen. func.: ogf

$$\{a(n + 2) - 47 a(n + 1) + a(n), a(0) = 1, a(1) = 41\}$$

Sequence: A049677
Score: 10.4976
Type of gen. func.: revogf

$$- \frac{-3 - 47 x + (2205 x^2 + 266 x + 9)^{1/2}}{2 (4 + x)}$$

Sequence: A049677
Score: 12.7673
Type of gen. func.: lgdogf

$$- \frac{4 x^2 - 6 x + 137}{(4 x - 3) (x^2 - 47 x + 1)}$$

Sequence: A049677
Score: 16.2602
Type of gen. func.: ogf

$$- \frac{4 x - 3}{x^2 - 47 x + 1}$$

Sequence: A049677
Score: 7.87335
Type of gen. func.: ogf

$$-(6433 f(x) - 530) (f(x) x^2 - 47 f(x) x + f(x) + 4 x - 3)$$

Sequence: A049677
Score: 8.79961
Type of gen. func.: ogf

$$\{a(n+2) - 47\, a(n+1) + a(n),\ a(0) = 3,\ a(1) = 137\}$$

Sequence: A049678
Score: 13.8630
Type of gen. func.: ogf

$$\frac{x+1}{x^2 - 47\,x + 1}$$

Sequence: A049678
Score: 14.8128
Type of gen. func.: lgdogf

$$-\frac{(8+x)(x-6)}{(x+1)(x^2 - 47\,x + 1)}$$

Sequence: A049678
Score: 7.0855
Type of gen. func.: ogf

$$(1127\, f(x) + 25)\,(f(x)\, x^2 - 47\, f(x)\, x + f(x) - x - 1)$$

Sequence: A049678
Score: 7.59162
Type of gen. func.: ogf

$$\{-a(n+2) + 47\, a(n+1) - a(n),\ a(0) = 1,\ a(1) = 48\}$$

Sequence: A049678
Score: 9.98253
Type of gen. func.: revogf

$$-\frac{-1 - 47\,x + ((35\,x + 1)(63\,x + 1))^{1/2}}{}$$

$$2 (x - 1)$$

Sequence: A049679
Score: 10.4989
Type of gen. func.: revogf

$$-\frac{-6 - 47 x + (2205 x^2 + 560 x + 36)^{1/2}}{2 (x + 1)}$$

Sequence: A049679
Score: 14.2044
Type of gen. func.: lgdogf

$$-\frac{x^2 - 12 x + 281}{(x - 6) (x^2 - 47 x + 1)}$$

Sequence: A049679
Score: 14.4657
Type of gen. func.: ogf

$$-\frac{x - 6}{x^2 - 47 x + 1}$$

Sequence: A049679
Score: 6.93147
Type of gen. func.: ogf

$$-(13195 f(x) - 209) (f(x) x^2 - 47 f(x) x + f(x) + x - 6)$$

Sequence: A049679
Score: 7.82849
Type of gen. func.: ogf

$$\{a(n + 2) - 47 a(n + 1) + a(n), a(0) = 6, a(1) = 281\}$$

Sequence: A049680
Score: 4.632
Type of gen. func.: ogf

$$-(5 f(x) - 1)$$

$$(f(x) x^4 - 2 f(x) x^3 - 3 f(x) x^2 + x^3 + 4 f(x) x + 3 x^2 - f(x) - 6 x + 2)$$

Sequence: A049680
Score: 8.20234
Type of gen. func.: lgdogf

$$-\frac{x^6 + 6 x^5 - 21 x^4 + 24 x^3 - 3 x^2 - 6 x + 2}{(x - 1) (x^2 - 3 x + 1) (x^2 + 4 x - 2) (x^2 + x - 1)}$$

Sequence: A049680
Score: 8.48196
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^2 + 4 x - 2)}{(x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A049681
Score: 4.16448
Type of gen. func.: ogf

$$(5 f(x) - 2)$$

$$(f(x) x^4 - 2 f(x) x^3 - 3 f(x) x^2 + 2 x^3 + 4 f(x) x - 2 x^2 - f(x) + x)$$

Sequence: A049681
Score: 7.58736
Type of gen. func.: ogf

$$-\frac{x (2 x^2 - 2 x + 1)}{(x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A049681
Score: 7.88555
Type of gen. func.: lgdogf

$$-\frac{2 (2 x - 1) (x^4 - 2 x^3 + 2 x^2 - x - 1)}{(x^2 - 3 x + 1) (2 x^2 - 2 x + 1) (x^2 + x - 1)}$$

Sequence: A049682
Score: 11.0927
Type of gen. func.: ogf

$$-\frac{x (x + 1)}{(x - 1) (x^2 - 47 x + 1)}$$

Sequence: A049682
Score: 13.4577
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 45 x^2 - 96 x + 49}{(x - 1) (x + 1) (x^2 - 47 x + 1)}$$

Sequence: A049682
Score: 5.74098
Type of gen. func.: ogf

$\{a(n + 3) - 48 a(n + 2) + 48 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 49\}$

Sequence: A049682
Score: 5.94975
Type of gen. func.: ogf

$$(49 f(x) + 1) (f(x) x^3 - 48 f(x) x^2 + 48 f(x) x + x^2 - f(x) + x)$$

Sequence: A049683

Score: 11.2288
Type of gen. func.: ogf

$$-\frac{x (x + 1)}{(x - 1) (x^2 - 18 x + 1)}$$

Sequence: A049683
Score: 5.62106
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - 8 x^2 - 19 x + 10)}{(x - 1) (x + 1) (x^2 - 18 x + 1)}$$

Sequence: A049683
Score: 5.81139
Type of gen. func.: ogf

$$\{a(n + 3) - 19 a(n + 2) + 19 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 20\}$$

Sequence: A049683
Score: 6.02272
Type of gen. func.: ogf

$$(20 f(x) + 1) (f(x) x^3 - 19 f(x) x^2 + 19 f(x) x + x^2 - f(x) + x)$$

Sequence: A049684
Score: 10.4689
Type of gen. func.: ogf

$$-\frac{x (x + 1)}{(x - 1) (x^2 - 7 x + 1)}$$

Sequence: A049684
Score: 13.0576
Type of gen. func.: lgdogf

$$- \frac{(2 x - 1) (x - 2 x - 9)}{(x - 1) (x + 1) (x^2 - 7 x + 1)}$$

Sequence: A049684
Score: 5.37591
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 8 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 9\}$$

Sequence: A049684
Score: 5.57688
Type of gen. func.: ogf

$$(9 f(x) + 1) (f(x) x^3 - 8 f(x) x^2 + 8 f(x) x + x^2 - f(x) + x)$$

Sequence: A049685
Score: 11.3197
Type of gen. func.: ogf

$$- \frac{x - 1}{x^2 - 7 x + 1}$$

Sequence: A049685
Score: 12.1368
Type of gen. func.: revogf

$$- \frac{-7 x - 1 + (45 x^2 + 10 x + 1)^{1/2}}{2 (x + 1)}$$

Sequence: A049685
Score: 16.5870
Type of gen. func.: lgdogf

$$- \frac{x^2 - 2 x + 6}{(x - 1) (x^2 - 7 x + 1)}$$

Sequence: A049685
Score: 5.65987
Type of gen. func.: ogf

$$-(10 f(x) - 1) (f(x) x^2 - 7 f(x) x + f(x) + x - 1)$$

Sequence: A049685
Score: 6.21205
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) + a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A049686
Score: 13.0067
Type of gen. func.: ogf

$$-f(x) x^2 + 47 f(x) x - f(x) + 7 x$$

Sequence: A049686
Score: 20.5368
Type of gen. func.: ogf

$$\frac{7 x}{x^2 - 47 x + 1}$$

Sequence: A049686
Score: 21.7821
Type of gen. func.: lgdogf

$$-\frac{-47 + 2 x}{x^2 - 47 x + 1}$$

Sequence: A049686
Score: 9.45263
Type of gen. func.: revogf

$$-\frac{-47 x - 7 + (45 x + 7)^{1/2} (7 x + 1)^{1/2} 7^{1/2}}{2 x}$$

Sequence: A049686
Score: 9.51707
Type of gen. func.: ogf

$$\{a(n + 2) - 47 a(n + 1) + a(n), a(0) = 0, a(1) = 7\}$$

Sequence: A049775
Score: 13.5871
Type of gen. func.: ogf

$$-\frac{5 x - 2}{(4 x - 1) (2 x - 1)}$$

Sequence: A049775
Score: 14.9720
Type of gen. func.: lgdogf

$$-\frac{40 x^2 - 32 x + 7}{(4 x - 1) (2 x - 1) (5 x - 2)}$$

Sequence: A049775
Score: 18.1478
Type of gen. func.: revogf

$$-\frac{-1 - 3 x + (x^2 + x + 1)^{1/2}}{5 + 8 x}$$

Sequence: A049775
Score: 6.71892
Type of gen. func.: ogf

$$-(10 f(x) + 29) (8 f(x) x^2 - 6 f(x) x + f(x) + 5 x - 2)$$

Sequence: A049775
Score: 7.45635
Type of gen. func.: ogf

{a(n + 2) - 6 a(n + 1) + 8 a(n), a(0) = 2, a(1) = 7}

Sequence: A049778
Score: 14.8543
Type of gen. func.: lgdogf

$$-\frac{8 x^3 + 9 x^2 + 12 x + 3}{(x - 1) (x + 1) (2 x^2 + x + 1)}$$

Sequence: A049778
Score: 8.03879
Type of gen. func.: ogf

$$\frac{2 x^2 + x + 1}{(x + 1)^2 (x - 1)^4}$$

Sequence: A049779
Score: 15.8043
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 7 x^2 + 16 x + 5}{(x - 1) (x + 1) (x^2 + x + 2)}$$

Sequence: A049779
Score: 9.12658
Type of gen. func.: ogf

$$\frac{x^2 + x + 2}{(x + 1)^2 (x - 1)^4}$$

Sequence: A049853
Score: 11.4452
Type of gen. func.: ogf

$$\frac{(x - 1) (x + 1)}{x^3 - x^2 + 2 x - 1}$$

Sequence: A049853
Score: 13.5802
Type of gen. func.: lgdogf

$$-\frac{x^4 - 5 x^2 + 4 x - 2}{(x - 1) (x + 1) (x^3 - x^2 + 2 x - 1)}$$

Sequence: A049853
Score: 5.82479
Type of gen. func.: ogf

$$-(7 f(x) - 38) (f(x) x^3 - f(x) x^2 + 2 f(x) x - x^2 - f(x) + 1)$$

Sequence: A049853
Score: 5.82479
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 2\}$$

Sequence: A049854
Score: 11.0416
Type of gen. func.: ogf

$$\frac{(2 x + 1) (x - 1)}{x^3 - x^2 + 2 x - 1}$$

Sequence: A049854
Score: 11.5689

Type of gen. func.: lgdogf

$$-\frac{2x^4 - 2x^3 - 6x^2 + 6x - 3}{(x-1)(2x+1)(x^3 - x^2 + 2x - 1)}$$

Sequence: A049854
Score: 6.01371
Type of gen. func.: ogf

$$\{a(n+3) - 2a(n+2) + a(n+1) - a(n), a(0) = 1, a(1) = 3, a(2) = 3\}$$

Sequence: A049854
Score: 7.56781
Type of gen. func.: ogf

$$-f(x)x^3 + f(x)x^2 - 2f(x)x + 2x^2 + f(x) - x - 1$$

Sequence: A049855
Score: 11.0994
Type of gen. func.: ogf

$$\frac{(x+2)(x-1)}{x^3 - x^2 + 2x - 1}$$

Sequence: A049855
Score: 12.5086
Type of gen. func.: lgdogf

$$-\frac{x^4 + 2x^3 - 9x^2 + 6x - 3}{(x+2)(x-1)(x^3 - x^2 + 2x - 1)}$$

Sequence: A049855
Score: 6.04519
Type of gen. func.: ogf

$$\{a(n+3) - 2a(n+2) + a(n+1) - a(n), a(0) = 2, a(1) = 3, a(2) = 3\}$$

Sequence: A049855
Score: 7.12233
Type of gen. func.: ogf

$$-(166 f(x) - 845) (f(x) x^3 - f(x) x^2 + 2 f(x) x - x^2 - f(x) - x + 2)$$

Sequence: A049856
Score: 13.1788
Type of gen. func.: ogf

$$\frac{x^2 (x - 1)}{x^4 - x^3 + 2 x - 1}$$

Sequence: A049856
Score: 17.7029
Type of gen. func.: lgdogf

$$-\frac{3 x^4 - 6 x^3 + 3 x^2 - 1}{(x - 1) (x^4 - x^3 + 2 x - 1)}$$

Sequence: A049856
Score: 9.03266
Type of gen. func.: ogf

$$f(x) x^4 - f(x) x^3 - x^3 + 2 f(x) x + x^2 - f(x)$$

Sequence: A049858
Score: 11.8164
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - x^4 - 4 x^3 + x^2 + 2 x - 2}{(x - 1) (x + 1) (x^4 - x^3 + 2 x - 1)}$$

Sequence: A049858
Score: 12.0020
Type of gen. func.: ogf

$$\frac{x (x - 1) (x + 1)}{x^4 - x^3 + 2 x - 1}$$

Sequence: A049858
Score: 8.0484
Type of gen. func.: ogf

$$-f(x) x^4 + f(x) x^3 + x^3 - 2 f(x) x + f(x) - x$$

Sequence: A049859
Score: 10.6876
Type of gen. func.: ogf

$$\frac{x (2 x + 1) (x - 1)}{x^4 - x^3 + 2 x - 1}$$

Sequence: A049859
Score: 11.2150
Type of gen. func.: lgdogf

$$-\frac{4 x^5 - 5 x^4 - 2 x^3 - x^2 + 4 x - 3}{(x - 1) (2 x + 1) (x^4 - x^3 + 2 x - 1)}$$

Sequence: A049859
Score: 5.93755
Type of gen. func.: ogf

$$(15 f(x) + 28) (f(x) x^4 - f(x) x^3 - 2 x^3 + 2 f(x) x + x^2 - f(x) + x)$$

Sequence: A049860

Score: 10.2206
Type of gen. func.: ogf

$$\frac{x (3 x + 1) (x - 1)}{x^4 - x^3 + 2 x - 1}$$

Sequence: A049860
Score: 11.4710
Type of gen. func.: lgdogf

$$- \frac{6 x^5 - 9 x^4 - 3 x^2 + 6 x - 4}{(x - 1) (3 x + 1) (x^4 - x^3 + 2 x - 1)}$$

Sequence: A049860
Score: 5.62997
Type of gen. func.: ogf

$$(63 f(x) + 130) (f(x) x^4 - f(x) x^3 - 3 x^3 + 2 f(x) x + 2 x^2 - f(x) + x)$$

Sequence: A049861
Score: 10.1668
Type of gen. func.: ogf

$$\frac{x (x + 2) (x - 1)}{x^4 - x^3 + 2 x - 1}$$

Sequence: A049861
Score: 10.4895
Type of gen. func.: lgdogf

$$- \frac{2 x^5 + 2 x^4 - 10 x^3 + 4 x^2 + 2 x - 3}{(x + 2) (x - 1) (x^4 - x^3 + 2 x - 1)}$$

Sequence: A049861
Score: 5.6482

Type of gen. func.: ogf

$$(36 f(x) + 35) (f(x) x^4 - f(x) x^3 - x^3 + 2 f(x) x - x^2 - f(x) + 2 x)$$

Sequence: A049863
Score: 10.4895
Type of gen. func.: ogf

$$\frac{x (3 + x) (x - 1)}{x^4 - x^3 + 2 x - 1}$$

Sequence: A049863
Score: 10.8279
Type of gen. func.: lgdogf

$$- \frac{2 x^5 + 5 x^4 - 16 x^3 + 7 x^2 + 2 x - 4}{(x - 1) (3 + x) (x^4 - x^3 + 2 x - 1)}$$

Sequence: A049863
Score: 5.54324
Type of gen. func.: ogf

$$-(115 f(x) + 182) (f(x) x^4 - f(x) x^3 - x^3 + 2 f(x) x - 2 x^2 - f(x) + 3 x)$$

Sequence: A049864
Score: 11.0622
Type of gen. func.: ogf

$$- \frac{(x + 1) (x - 1)^2}{x^4 - x^3 + 2 x - 1}$$

Sequence: A049864
Score: 14.1312
Type of gen. func.: lgdogf

$$-\frac{x^5 - x^4 - 3x^3 - x^2 + x - 1}{(x - 1)(x + 1)(x^4 - x^3 + 2x - 1)}$$

Sequence: A049864
Score: 6.15556
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) + a(n + 1) - a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 2\}$$

Sequence: A049864
Score: 6.4142
Type of gen. func.: ogf

$$(f(x) - 1) (f(x) x^4 - f(x) x^3 + x^3 + 2 f(x) x - x^2 - f(x) - x + 1)$$

Sequence: A049866
Score: 5.53614
Type of gen. func.: ogf

$$(14 f(x) + 5) (f(x) x^4 - f(x) x^3 - x^3 + 2 f(x) x + x^2 - f(x) - x + 1)$$

Sequence: A049866
Score: 9.56398
Type of gen. func.: lgdogf

$$-\frac{x^6 - 2x^5 + 4x^4 - 10x^3 + 8x^2 - 2x - 1}{(x - 1)(x^2 + 1)(x^4 - x^3 + 2x - 1)}$$

Sequence: A049866
Score: 9.62807
Type of gen. func.: ogf

$$\frac{(x - 1)(x^2 + 1)}{{}^{4}\quad{}^{3}}$$

$$x - x + 2 x - 1$$

Sequence: A049867
Score: 5.51482
Type of gen. func.: ogf

$$(982 f(x) + 577) (f(x) x^4 - f(x) x^3 - 2 x^3 + 2 f(x) x + 2 x^2 - f(x) - x + 1)$$

Sequence: A049867
Score: 9.10051
Type of gen. func.: lgdogf

$$- \frac{2 x^6 - 4 x^5 + 5 x^4 - 14 x^3 + 13 x^2 - 4 x - 1}{(x - 1) (2 x^2 + 1) (x^4 - x^3 + 2 x - 1)}$$

Sequence: A049867
Score: 9.83077
Type of gen. func.: ogf

$$\frac{(x - 1) (2 x^2 + 1)}{x^4 - x^3 + 2 x - 1}$$

Sequence: A049868
Score: 10.2206
Type of gen. func.: ogf

$$- \frac{(x - 1) (x^2 - x - 1)}{x^4 - x^3 + 2 x - 1}$$

Sequence: A049868
Score: 10.4895
Type of gen. func.: lgdogf

$$- \frac{x^6 - 4 x^5 + 2 x^4 + 4 x^2 - 4 x + 2}{}$$

```
                               2            4    3
                     (x - 1) (x  - x - 1) (x  - x  + 2 x - 1)



-------------------------------------------------------------------------------

Sequence:  A049868
Score: 5.58266
Type of gen. func.: ogf


                           4         3    3                 2
      -(7 f(x) + 1) (f(x) x  - f(x) x  + x  + 2 f(x) x - 2 x  - f(x) + 1)



-------------------------------------------------------------------------------

Sequence:  A049870
Score: 12.0231
Type of gen. func.: ogf


                                        2
                              (x - 1) (x  + x + 1)
                              --------------------
                                4    3
                               x  - x  + 2 x - 1



-------------------------------------------------------------------------------

Sequence:  A049870
Score: 12.6666
Type of gen. func.: lgdogf


                                6      3      2
                               x  - 8 x  + 6 x  - 2
                   - -----------------------------------------
                               2            4    3
                     (x - 1) (x  + x + 1) (x  - x  + 2 x - 1)



-------------------------------------------------------------------------------

Sequence:  A049870
Score: 6.2873
Type of gen. func.: ogf


                               4         3    3
         (22 f(x) + 29) (f(x) x  - f(x) x  - x  + 2 f(x) x - f(x) + 1)



-------------------------------------------------------------------------------

Sequence:  A049871
Score: 5.58868
Type of gen. func.: ogf


                          4         3    3                 2
   (50 f(x) - 833) (f(x) x  - f(x) x  + x  + 2 f(x) x - 3 x  - f(x) + x + 1)
```

Sequence: A049871
Score: 9.54048
Type of gen. func.: lgdogf

$$-\frac{x^6 - 6x^5 + 6x^4 - 2x^3 + 6x^2 - 6x + 3}{(x - 1)(x^2 - 2x - 1)(x^4 - x^3 + 2x - 1)}$$

Sequence: A049871
Score: 9.88143
Type of gen. func.: ogf

$$-\frac{(x - 1)(x^2 - 2x - 1)}{x^4 - x^3 + 2x - 1}$$

Sequence: A049872
Score: 6.43941
Type of gen. func.: ogf

$$\frac{x(89x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x + 1)(x^2 + 1)(x^2 + x + 1)(x^2 - x + 1)(x^4 - x^2 + 1)(x - 1)^2}$$

Sequence: A049873
Score: 10.3803
Type of gen. func.: lgdogf

$$-\frac{x^6 - 2x^5 - 5x^4 + 8x^3 - x^2 - 2x + 2}{(x - 1)(x^2 - 2)(x^4 - x^3 + 2x - 1)}$$

Sequence: A049873
Score: 5.51482
Type of gen. func.: ogf

$$-(4 f(x) - 7)(f(x) x^4 - f(x) x^3 + x^3 + 2 f(x) x - x^2 - f(x) - 2x + 2)$$

Sequence: A049873
Score: 9.83077
Type of gen. func.: ogf

$$-\frac{(x-1)\,(x^{2}-2)}{x^{4}-x^{3}+2\,x-1}$$

Sequence: A049875
Score: 10.1717
Type of gen. func.: lgdogf

$$-\frac{2\,x^{6}-6\,x^{5}+2\,x^{3}+6\,x^{2}-6\,x+3}{(x-1)\,(2\,x^{2}-x-2)\,(x^{4}-x^{3}+2\,x-1)}$$

Sequence: A049875
Score: 5.57167
Type of gen. func.: ogf

$$(391\,f(x)-836)\,(f(x)\,x^{4}-f(x)\,x^{3}+2\,x^{3}+2\,f(x)\,x-3\,x^{2}-f(x)-x+2)$$

Sequence: A049875
Score: 9.93212
Type of gen. func.: ogf

$$-\frac{(x-1)\,(2\,x^{2}-x-2)}{x^{4}-x^{3}+2\,x-1}$$

Sequence: A049876
Score: 10.0335
Type of gen. func.: ogf

$$-\frac{(x-1)\,(x-2)\,(x+1)}{x^{4}-x^{3}+2\,x-1}$$

Sequence: A049876
Score: 10.2776
Type of gen. func.: lgdogf

$$-\frac{x^6 - 4x^5 - x^4 + 6x^3 + x^2 - 4x + 3}{(x - 1)(x - 2)(x + 1)(x^4 - x^3 + 2x - 1)}$$

Sequence: A049876
Score: 5.53847
Type of gen. func.: ogf

$$-(11 f(x) - 20)(f(x) x^4 - f(x) x^3 + x^3 + 2 f(x) x - 2 x^2 - f(x) - x + 2)$$

Sequence: A050146
Score: 5.2198
Type of gen. func.: ogf

$$f(x)^2 x^2 + f(x) x^3 - 6 f(x)^2 x - 8 f(x) x^2 - x^3 + f(x)^2 + 13 f(x) x + 5 x^2 - 2 f(x) - 7 x + 1$$

Sequence: A050147
Score: 4.33904
Type of gen. func.: ogf

$$-f(x)^2 x^2 - f(x) x^3 + 6 f(x)^2 x + 7 f(x) x^2 - f(x)^2 - 7 f(x) x + f(x) + 4 x$$

Sequence: A050148
Score: 3.42284
Type of gen. func.: ogf

$$x^3 f(x)^2 + f(x) x^4 - 6 f(x)^2 x^2 - 6 f(x) x^3 + x^4 + f(x)^2 x + 2 f(x) x^2 - 6 x^3 - 6 f(x) x + f(x) - 2 x - 1$$

Sequence: A050151

Score: 12.6329
Type of gen. func.: lgdogf

$$\frac{-2 x^{2} + 9 x - 1 + (x^{2} - 6 x + 1)^{1/2}}{(x^{2} - 6 x + 1) x}$$

Sequence: A050151
Score: 4.50643
Type of gen. func.: ogf

$$\{(n^{2} + 5 n + 6) a(n + 1) + (-6 n^{2} - 33 n - 45) a(n + 2) + (n^{2} + 6 n + 8) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 6\}$$

Sequence: A050151
Score: 6.91776
Type of gen. func.: ogf

$$2 x^{3} f(x)^{2} - 12 f(x)^{2} x^{2} + 2 f(x)^{2} x + f(x) x^{2} - 6 f(x) x + f(x) - x$$

Sequence: A050152
Score: 4.12856
Type of gen. func.: ogf

$$4 f(x)^{2} x^{4} - 24 x^{3} f(x)^{2} + 4 f(x)^{2} x^{2} - f(x) x^{3} + 7 f(x) x^{2} - 7 f(x) x + f(x) - x$$

Sequence: A050168
Score: 6.82202
Type of gen. func.: ogf

$$-2 f(x)^{2} x^{2} + f(x)^{2} x - 2 f(x) x^{2} - f(x) x - x^{2} + f(x) - 2 x - 1$$

Sequence: A050187
Score: 22.3719
Type of gen. func.: lgdogf

$$-\frac{4\,(x^2+4\,x+1)}{(x-1)\,(3+x)\,(x+1)}$$

Sequence: A050187
Score: 4.20943
Type of gen. func.: ogf

$$\{(n^2+5\,n+6)\,a(n+1)+(n+3)\,a(n+2)+(-n^2-2\,n)\,a(n+3),\ a(0)=0,\ a(1)=0,\ a(2)=0,\ a(3)=3\}$$

Sequence: A050187
Score: 9.34821
Type of gen. func.: ogf

$$-\frac{x^3\,(3+x)}{(x+1)^2\,(x-1)^3}$$

Sequence: A050188
Score: 10.8345
Type of gen. func.: lgdogf

$$-\frac{5\,x^5+14\,x^4+20\,x^3+43\,x^2+16\,x+10}{(x-1)\,(x+2)\,(x^2+x+1)\,(x^2+2)}$$

Sequence: A050188
Score: 6.52385
Type of gen. func.: ogf

$$\frac{x\,(x+2)\,(x^2+2)}{(x^2+x+1)^2\,(x-1)^4}$$

Sequence: A050189
Score: 14.0595

Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^{3}+8\,x^{2}+23\,x+6)}{(x-1)\,(x+1)\,(x^{2}+2\,x+5)}$$

Sequence: A050189
Score: 6.92403
Type of gen. func.: ogf

$$-\frac{x\,(x^{2}+2\,x+5)}{(x+1)^{3}\,(x-1)^{5}}$$

Sequence: A050228
Score: 14.0013
Type of gen. func.: ogf

$$-\frac{1}{(x^{3}+x-1)\,(x-1)^{2}}$$

Sequence: A050228
Score: 19.6626
Type of gen. func.: lgdogf

$$-\frac{5\,x^{3}-3\,x^{2}+3\,x-3}{(x-1)\,(x^{3}+x-1)}$$

Sequence: A050231
Score: 12.3753
Type of gen. func.: ogf

$$\frac{x^{2}}{(2\,x-1)\,(x^{3}+x^{2}+x-1)}$$

Sequence: A050231
Score: 14.7505
Type of gen. func.: lgdogf

$$-\frac{8 x^3 + 3 x^2 + 2 x - 3}{(2 x - 1) (x^3 + x^2 + x - 1)}$$

Sequence: A050231
Score: 6.62517
Type of gen. func.: ogf

$$-2 f(x) x^4 - f(x) x^3 - f(x) x^2 + 3 f(x) x + x^2 - f(x)$$

Sequence: A050232
Score: 10.3583
Type of gen. func.: ogf

$$\frac{x^3}{(2 x - 1) (x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A050232
Score: 11.4258
Type of gen. func.: lgdogf

$$-\frac{10 x^4 + 4 x^3 + 3 x^2 + 2 x - 3}{(2 x - 1) (x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A050232
Score: 5.40046
Type of gen. func.: ogf

$$-2 f(x) x^5 - f(x) x^4 - f(x) x^3 - f(x) x^2 + x^3 + 3 f(x) x - f(x)$$

Sequence: A050233

Score: 9.34243
Type of gen. func.: ogf

$$\frac{x^4}{(2 x - 1) (x^5 + x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A050233
Score: 9.91735
Type of gen. func.: lgdogf

$$-\frac{12 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x - 3}{(2 x - 1) (x^5 + x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A050250
Score: 12.9340
Type of gen. func.: ogf

$$\frac{9 (x + 1)}{(x - 1) (10 x^2 - 1)}$$

Sequence: A050250
Score: 14.2550
Type of gen. func.: lgdogf

$$-\frac{2 (10 x^3 + 10 x^2 - 10 x - 1)}{(x - 1) (x + 1) (10 x^2 - 1)}$$

Sequence: A050250
Score: 6.08010
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 10 a(n + 1) + 10 a(n), a(0) = 9, a(1) = 18, a(2) = 108\}$$

Sequence: A050250
Score: 6.52634

Type of gen. func.: ogf

$$(112 f(x) + 477) (10 f(x) x^3 - 10 f(x) x^2 - f(x) x + f(x) - 9 x - 9)$$

Sequence: A050253
Score: 11.4561
Type of gen. func.: ogf

$$-x^3 f(x)^2 - f(x) x^2 + f(x) - x - 1$$

Sequence: A050253
Score: 16.0799
Type of gen. func.: revogf

$$\frac{-1 + (4 x^3 + 4 x^2 + 4 x + 1)^{1/2}}{2 (x^2 + x + 1)}$$

Sequence: A050262
Score: 4.78507
Type of gen. func.: ogf

$$-f(x) x^4 - f(x)^2 x^2 - f(x) x^3 - f(x)^2 x + f(x) x^2 + f(x) x + f(x) - x - 1$$

Sequence: A050267
Score: 15.2130
Type of gen. func.: lgdogf

$$- \frac{11929 x^2 - 20174 x + 8527}{(x - 1) (11929 x^2 - 22016 x + 10181)}$$

Sequence: A050271
Score: 8.08067
Type of gen. func.: ogf

$$x^5 - x^4 + x^3 - x^2 - x - 1$$

$$\overline{\qquad (x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A050297
Score: 13.3836
Type of gen. func.: lgdogf

$$- \frac{3 x^2 - 10 x - 3}{(x - 1) (x^5 - 5 x^4 + 10 x^3 - 9 x^2 + 2 x - 1)}$$

Sequence: A050297
Score: 6.66892
Type of gen. func.: ogf

$$\frac{x (x^5 - 5 x^4 + 10 x^3 - 9 x^2 + 2 x - 1)}{(x - 1)^5}$$

Sequence: A050398
Score: 29.3601
Type of gen. func.: revegf]

$$-1 + \exp\left(\frac{x (x + 2)}{2}\right)$$

Sequence: A050400
Score: 8.36102
Type of gen. func.: ogf

$$\frac{x^4 - 12 x^3 - 24 x^2 - 4 x + 5}{(x + 1) (x^4 - 6 x^2 - 2 x + 1)}$$

Sequence: A050401
Score: 3.83085
Type of gen. func.: ogf

$$-\frac{5x^7+8x^6-75x^5-56x^4+135x^3+120x^2+7x-8}{(x+1)(x^2-2x-1)(x^5-4x^4-5x^3+9x^2+4x-1)}$$

Sequence: A050402
Score: 6.55125
Type of gen. func.: ogf

$$-\frac{x^5+17x^4-20x^3-72x^2-13x+7}{(x+1)(x^2-2x-1)(x^3-x^2-5x+1)}$$

Sequence: A050403
Score: 24.0196
Type of gen. func.: lgdogf

$$-\frac{13+36x}{(6x+1)(x-1)}$$

Sequence: A050403
Score: 3.85490
Type of gen. func.: ogf

$$\{(n+3)\,a(n+3)+(-3+5n)\,a(n+2)+(-42-6n)\,a(n+1),\ a(0)=1,\ a(1)=13,\ a(2)=70\}$$

Sequence: A050403
Score: 6.62696
Type of gen. func.: ogf

$$-\frac{6x+1}{(x-1)^7}$$

Sequence: A050404
Score: 23.3254
Type of gen. func.: lgdogf

$$14\,(3x+1)$$

$$-\frac{}{(7x+1)(x-1)}$$

Sequence: A050404
Score: 3.89846
Type of gen. func.: ogf

$\{(n+3)\,a(n+3) + (-2+6n)\,a(n+2) + (-49-7n)\,a(n+1),\ a(0) = 1,$

$a(1) = 14,\ a(2) = 77\}$

Sequence: A050404
Score: 6.70184
Type of gen. func.: ogf

$$-\frac{7x+1}{(x-1)^7}$$

Sequence: A050405
Score: 23.3254
Type of gen. func.: lgdogf

$$-\frac{3(5+16x)}{(8x+1)(x-1)}$$

Sequence: A050405
Score: 3.89846
Type of gen. func.: ogf

$\{(n+3)\,a(n+3) + (-1+7n)\,a(n+2) + (-56-8n)\,a(n+1),\ a(0) = 1,$

$a(1) = 15,\ a(2) = 84\}$

Sequence: A050405
Score: 6.70184
Type of gen. func.: ogf

$$-\frac{8x+1}{(x-1)^7}$$

Sequence: A050406
Score: 23.5920
Type of gen. func.: lgdogf

$$-\frac{2\,(8 + 27\,x)}{(1 + 9\,x)\,(x - 1)}$$

Sequence: A050406
Score: 4.15950
Type of gen. func.: ogf

$\{(n + 3)\,a(n + 3) + 8\,n\,a(n + 2) + (-63 - 9\,n)\,a(n + 1),\ a(0) = 1,\ a(1) = 16,$

$a(2) = 91\}$

Sequence: A050406
Score: 6.77672
Type of gen. func.: ogf

$$-\frac{1 + 9\,x}{(x - 1)^7}$$

Sequence: A050407
Score: 10.7593
Type of gen. func.: ogf

$$\frac{x\,(3\,x^2 - 3\,x + 1)}{(x - 1)^4}$$

Sequence: A050407
Score: 22.7612
Type of gen. func.: lgdogf

$$-\frac{6\,x^2 - 3\,x + 1}{(x - 1)\,(3\,x^2 - 3\,x + 1)}$$

Sequence: A050407
Score: 4.02785
Type of gen. func.: ogf

$$\{(-n-3)\,a(n+4)+(9+4n)\,a(n+3)+(-9-6n)\,a(n+2)+(6+3n)\,a(n+1),\ a(0)=0,\ a(1)=1,\ a(2)=1,\ a(3)=1\}$$

Sequence: A050407
Score: 5.73307
Type of gen. func.: ogf

$$-(f(x)+1)\,(f(x)\,x^4-4\,f(x)\,x^3+6\,f(x)\,x^2-3\,x^3-4\,f(x)\,x+3\,x^2+f(x)-x)$$

Sequence: A050408
Score: 11.6352
Type of gen. func.: ogf

$$-\frac{109\,x^2+7\,x+1}{(x-1)^3}$$

Sequence: A050408
Score: 17.5262
Type of gen. func.: lgdogf

$$-\frac{109\,x^2+232\,x+10}{(x-1)\,(109\,x^2+7\,x+1)}$$

Sequence: A050408
Score: 5.91142
Type of gen. func.: ogf

$$(106301\,f(x)-4035254)\,(f(x)\,x^3-3\,f(x)\,x^2+3\,f(x)\,x+109\,x^2-f(x)+7\,x+1)$$

Sequence: A050408
Score: 6.37406
Type of gen. func.: ogf

$$\{a(n+3) - 3a(n+2) + 3a(n+1) - a(n),\ a(0) = 1,\ a(1) = 10,\ a(2) = 136\}$$

Sequence: A050409
Score: 11.3605
Type of gen. func.: ogf

$$\frac{x(9x+5)}{(x-1)^4}$$

Sequence: A050409
Score: 30.3133
Type of gen. func.: lgdogf

$$-\frac{27x+29}{(9x+5)(x-1)}$$

Sequence: A050409
Score: 4.82635
Type of gen. func.: ogf

$$\{(10+5n)a(n+3) + (-25+4n)a(n+2) + (-27-9n)a(n+1),\ a(0) = 0,\ a(1) = 5,\ a(2) = 29\}$$

Sequence: A050409
Score: 5.20021
Type of gen. func.: ogf

$$(217269920 f(x) + 1220738517)$$

$$(f(x)x^4 - 4f(x)x^3 + 6f(x)x^2 - 4f(x)x - 9x^2 + f(x) - 5x)$$

Sequence: A050410
Score: 10.0158
Type of gen. func.: ogf

$$\frac{x\,(4\,x^{2} + 9\,x + 1)}{(x - 1)^{4}}$$

Sequence: A050410
Score: 20.0067
Type of gen. func.: lgdogf

$$-\frac{8\,x^{2} + 35\,x + 13}{(x - 1)\,(4\,x^{2} + 9\,x + 1)}$$

Sequence: A050410
Score: 3.69271
Type of gen. func.: ogf

$$\{(n + 3)\,a(n + 4) + (3 + 8\,n)\,a(n + 3) + (-40 - 5\,n)\,a(n + 2)$$
$$+ (-8 - 4\,n)\,a(n + 1),\ a(0) = 0,\ a(1) = 1,\ a(2) = 13,\ a(3) = 50\}$$

Sequence: A050410
Score: 4.81023
Type of gen. func.: ogf

$$-(34475616\,f(x) + 116977279)$$
$$(f(x)\,x^{4} - 4\,f(x)\,x^{3} + 6\,f(x)\,x^{2} - 4\,x^{3} - 4\,f(x)\,x - 9\,x^{2} + f(x) - x)$$

Sequence: A050441
Score: 11.3237
Type of gen. func.: ogf

$$\frac{x\,(10\,x + 1)}{(x - 1)^{4}}$$

Sequence: A050441
Score: 28.3221
Type of gen. func.: lgdogf

$$-\frac{2\,(7+15\,x)}{(10\,x+1)\,(x-1)}$$

Sequence: A050441
Score: 4.91688
Type of gen. func.: ogf

$$\{(-n-2)\,a(n+3)+(5-9\,n)\,a(n+2)+(30+10\,n)\,a(n+1),\ a(0)=0,\ a(1)=1,\ a(2)=14\}$$

Sequence: A050441
Score: 5.22634
Type of gen. func.: ogf

$$-(9708314\,f(x)+42335879)\,(f(x)\,x^4-4\,f(x)\,x^3+6\,f(x)\,x^2-4\,f(x)\,x-10\,x^2+f(x)-x)$$

Sequence: A050442
Score: 13.6158
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^4+8\,x^3+6\,x^2+7\,x+1)}{(x-1)\,(x+1)\,(x^3+3\,x^2+x+1)}$$

Sequence: A050442
Score: 7.29904
Type of gen. func.: ogf

$$\frac{4\,x\,(x^3+3\,x^2+x+1)}{(x+1)^3\,(x-1)^4}$$

Sequence: A050443
Score: 15.0571
Type of gen. func.: ogf

$$\frac{x^3 - 4}{x^4 + x^3 - 1}$$

Sequence: A050443
Score: 21.4610
Type of gen. func.: lgdogf

$$-\frac{x^2 (x^4 - 16 x - 9)}{(x^3 - 4) (x^4 + x^3 - 1)}$$

Sequence: A050443
Score: 8.14315
Type of gen. func.: ogf

$$(48676 f(x) - 188143) (f(x) x^4 + f(x) x^3 - x^3 - f(x) + 4)$$

Sequence: A050470
Score: 13.3343
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{6 x^2 + 2 x + 4}{-x^3 - x^2 - x - 1}$$

Sequence: A050476
Score: 10.92
Type of gen. func.: ogf

$$4 f(x)^2 x^2 - f(x)^2 x + 20 f(x) x - 5 f(x) + 16 x + 5$$

Sequence: A050476
Score: 5.00750
Type of gen. func.: ogf

$$\{(-32 n^2 - 112 n - 96) a(n + 1) + (4 n^2 + 6 n - 18) a(n + 2)$$

$$+ (n^2 + 7 n + 12) a(n + 3), a(0) = 1, a(1) = 7, a(2) = 26\}$$

Sequence: A050476
Score: 8.38578
Type of gen. func.: revogf

$$- 5/32 - \frac{5 x}{8} - \frac{x^2}{8} + \frac{((4 x^2 + 20 x + 1) (5 + 2 x)^2)^{1/2}}{32}$$

Sequence: A050477
Score: 8.34618
Type of gen. func.: revogf

$$- 3/25 - \frac{12 x}{25} - \frac{2 x^2}{25} + \frac{((4 x^2 + 24 x + 1) (3 + x)^2)^{1/2}}{25}$$

Sequence: A050477
Score: 9.38175
Type of gen. func.: ogf

$$4 f(x)^2 x^2 - f(x)^2 x + 24 f(x) x - 6 f(x) + 25 x + 6$$

Sequence: A050478
Score: 6.01568
Type of gen. func.: ogf

$$4 f(x)^2 x^2 - f(x)^2 x + 28 f(x) x - 7 f(x) + 36 x + 7$$

Sequence: A050478
Score: 8.25633
Type of gen. func.: revogf

$$- 7/72 - \frac{7 x}{18} - \frac{x^2}{18} + \frac{((4 x^2 + 28 x + 1) (2 x + 7)^2)^{1/2}}{72}$$

Sequence: A050479
Score: 8.50366
Type of gen. func.: revogf

$$- 4/49 - \frac{16 x}{49} - \frac{2 x^2}{49} + \frac{((4 x^2 + 32 x + 1) (4 + x)^2)^{1/2}}{49}$$

Sequence: A050479
Score: 9.53876
Type of gen. func.: ogf

$$4 f(x)^2 x^2 - f(x)^2 x + 32 f(x) x - 8 f(x) + 49 x + 8$$

Sequence: A050483
Score: 29.6182
Type of gen. func.: lgdogf

$$- \frac{11 + 21 x}{(3 x + 1) (x - 1)}$$

Sequence: A050483
Score: 4.73576
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-7 + 2 n) a(n + 2) + (-24 - 3 n) a(n + 1), a(0) = 1,

a(1) = 11, a(2) = 60}

Sequence: A050483
Score: 7.39359
Type of gen. func.: ogf

$$\frac{3 x + 1}{(x - 1)^8}$$

Sequence: A050484
Score: 28.4850

Type of gen. func.: lgdogf

$$- \frac{4 (3 + 7 x)}{(4 x + 1) (x - 1)}$$

Sequence: A050484
Score: 4.55716
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-6 + 3 n) a(n + 2) + (-32 - 4 n) a(n + 1), a(0) = 1,$$
$$a(1) = 12, a(2) = 68\}$$

Sequence: A050484
Score: 7.11476
Type of gen. func.: ogf

$$\frac{4 x + 1}{(x - 1)^{8}}$$

Sequence: A050485
Score: 6.73299
Type of gen. func.: lgdogf

$$- \frac{13 + 35 x}{(5 x + 1) (x - 1)}$$

Sequence: A050486
Score: 34.1682
Type of gen. func.: lgdogf

$$- \frac{9 + 7 x}{(x - 1) (x + 1)}$$

Sequence: A050486
Score: 36.4728
Type of gen. func.: ogf_with_Euler_transform]

$$[9 - x]$$

Sequence: A050486
Score: 5.72392
Type of gen. func.: ogf

$\{(-n - 3) a(n + 3) + 9 a(n + 2) + (8 + n) a(n + 1), a(0) = 1, a(1) = 9, a(2) = 44\}$

Sequence: A050486
Score: 7.88499
Type of gen. func.: ogf

$$\frac{x + 1}{(x - 1)^{8}}$$

Sequence: A050488
Score: 12.1696
Type of gen. func.: ogf

$$-\frac{x (x + 1)}{(2 x - 1) (x - 1)^{2}}$$

Sequence: A050488
Score: 18.9823
Type of gen. func.: lgdogf

$$-\frac{4 x^{2} + 5 x - 5}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A050488
Score: 6.24924
Type of gen. func.: ogf

$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 0, a(1) = 1, a(2) = 5\}$

Sequence: A050488

Score: 8.16077
Type of gen. func.: ogf

$$2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x + x^2 - f(x) + x$$

Sequence: A050489
Score: 3.95362
Type of gen. func.: ogf

$$\{(64 n^2 + 224 n + 192) a(n + 1) + (-12 n^2 - 38 n - 6) a(n + 2)$$
$$+ (-n^2 - 7 n - 12) a(n + 3), a(0) = 1, a(1) = 11, a(2) = 42\}$$

Sequence: A050489
Score: 8.76465
Type of gen. func.: ogf

$$4 f(x)^2 x^2 - f(x)^2 x + 36 f(x) x - 9 f(x) + 64 x + 9$$

Sequence: A050490
Score: 8.55615
Type of gen. func.: revogf

$$- 5/81 - \frac{20 x}{81} - \frac{2 x^2}{81} + \frac{((4 x^2 + 40 x + 1) (5 + x)^2)^{1/2}}{81}$$

Sequence: A050490
Score: 9.35265
Type of gen. func.: ogf

$$4 f(x)^2 x^2 - f(x)^2 x + 40 f(x) x - 10 f(x) + 81 x + 10$$

Sequence: A050491
Score: 7.80158
Type of gen. func.: revogf

$$11 \qquad 11 x \qquad x^2 \qquad ((4 x^2 + 44 x + 1) (11 + 2 x)^2)^{1/2}$$

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            - --- - ---- - ---- + ----------------------------------
              200    50     50                    200
```

Sequence: A050491
Score: 9.28179
Type of gen. func.: ogf

$$4 f(x)^2 x^2 - f(x)^2 x + 44 f(x) x - 11 f(x) + 100 x + 11$$

Sequence: A050492
Score: 10.1954
Type of gen. func.: ogf

$$\frac{13 x^2 + 10 x + 1}{(x - 1)^4}$$

Sequence: A050492
Score: 17.7384
Type of gen. func.: lgdogf

$$- \frac{2 (13 x^2 + 28 x + 7)}{(x - 1) (13 x^2 + 10 x + 1)}$$

Sequence: A050492
Score: 5.24544
Type of gen. func.: ogf

$$(9516 f(x) + 92275)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 13 x^2 + f(x) - 10 x - 1)$$

Sequence: A050494
Score: 32.4884
Type of gen. func.: lgdogf

$$- \frac{2 (7 x + 5)}{(2 x + 1) (x - 1)}$$

Sequence: A050494
Score: 5.18763
Type of gen. func.: ogf

$$\{(-n - 3)\, a(n + 3) + (8 - n)\, a(n + 2) + (16 + 2 n)\, a(n + 1),\ a(0) = 1,\ a(1) = 10,\ a(2) = 52\}$$

Sequence: A050494
Score: 8.09906
Type of gen. func.: ogf

$$\frac{2 x + 1}{(x - 1)^{8}}$$

Sequence: A050506
Score: 5.21752
Type of gen. func.: ogf

$$\frac{x^{25} + x^{23} + x^{21} + x^{19} + x^{17} + x^{15} + x^{13} + x^{11} + x^{9} + x^{6} + x^{4} + x^{2} + 1}{(x^{2} + x + 1)\,(x^{6} + x^{3} + 1)\,(x^{18} + x^{9} + 1)\,(x - 1)^{2}}$$

Sequence: A050509
Score: 10.9376
Type of gen. func.: ogf

$$\frac{2 x^{2} + 6 x + 1}{(x - 1)^{4}}$$

Sequence: A050509
Score: 20.5566
Type of gen. func.: lgdogf

$$-\frac{2\,(5 + x)\,(2 x + 1)}{(x - 1)\,(2 x^{2} + 6 x + 1)}$$

Sequence: A050509
Score: 3.77346
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (5 + 5 n) a(n + 3) + (-30 - 4 n) a(n + 2)$$

$$+ (-2 n - 6) a(n + 1), a(0) = 1, a(1) = 10, a(2) = 36, a(3) = 88\}$$

Sequence: A050509
Score: 5.31474
Type of gen. func.: ogf

$$(6455295 f(x) + 28336709)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 2 x^2 + f(x) - 6 x - 1)$$

Sequence: A050511
Score: 3.44308
Type of gen. func.: ogf

$$\{(-5 n - 15) a(n + 1) + (-11 n - 37) a(n + 2) + (-7 n - 27) a(n + 3)$$

$$+ (-n - 5) a(n + 4), a(0) = 1, a(1) = -3, a(2) = 8, a(3) = -23\}$$

Sequence: A050511
Score: 5.28289
Type of gen. func.: ogf

$$-f(x)^2 x^4 - 3 x^3 f(x)^2 - 3 f(x)^2 x^2 - f(x)^2 x - f(x) x^2 - 2 f(x) x - f(x) + 1$$

Sequence: A050511
Score: 7.55590
Type of gen. func.: lgdogf

$$- \frac{-x - 1 + (5 x + 1)^{1/2} (x + 1)^{1/2} + 4 (5 x + 1)^{1/2} (x + 1)^{1/2} x}{2 (5 x + 1)^{1/2} (x + 1)^{3/2} x}$$

Sequence: A050518
Score: 11.7414
Type of gen. func.: ogf

$$-f(x)\, x^{2} + 2\, f(x)\, x - f(x) + 583200$$

Sequence: A050518
Score: 19.6491
Type of gen. func.: revogf

$$\frac{2\, x}{\left(540 + (291600 + 2\, x)^{1/2}\right)^{2}}$$

Sequence: A050518
Score: 19.7751
Type of gen. func.: ogf

$$\frac{583200}{(x - 1)^{2}}$$

Sequence: A050518
Score: 73.6840
Type of gen. func.: lgdogf

$$-\frac{2}{x - 1}$$

Sequence: A050518
Score: 8.08013
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\, a(n + 1) - a(n),\ a(0) = 583200,\ a(1) = 1166400\}$$

Sequence: A050519
Score: 13.7511
Type of gen. func.: ogf

2

$$-f(x) x + 2 f(x) x - f(x) + 30$$

Sequence: A050519
Score: 14.0907
Type of gen. func.: revogf

$$\frac{30 x}{\left(15 + (225 + 30 x)^{1/2}\right)^2}$$

Sequence: A050519
Score: 24.2666
Type of gen. func.: ogf

$$\frac{30}{(x - 1)^2}$$

Sequence: A050519
Score: 49.3174
Type of gen. func.: lgdogf

$$- \frac{2}{x - 1}$$

Sequence: A050519
Score: 9.82221
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 30, a(1) = 60\}$$

Sequence: A050531
Score: 5.62341
Type of gen. func.: ogf

$$\frac{x^6 + x^4 + 2 x^3 + x^2 + 1}{(x^2 + x + 1)^2 (x + 1)^2 (x - 1)^6}$$

Sequence: A050531
Score: 6.92958
Type of gen. func.: lgdogf

$$-\frac{2\left(3x^9+4x^8+8x^7+18x^6+23x^5+17x^4+17x^3+12x^2+5x+1\right)}{(x-1)(x+1)(x^2+x+1)(x^6+x^4+2x^3+x^2+1)}$$

Sequence: A050533
Score: 10.4602
Type of gen. func.: ogf

$$\frac{x\left(x^2+2x+5\right)}{(x-1)^4}$$

Sequence: A050533
Score: 22.8040
Type of gen. func.: lgdogf

$$-\frac{2\left(x^2+4x+11\right)}{(x-1)(x^2+2x+5)}$$

Sequence: A050533
Score: 3.83718
Type of gen. func.: ogf

$\{(15 + 5 n) a(n + 4) + (-28 - 3 n) a(n + 3) + (-n - 9) a(n + 2)$

$+ (-n - 2) a(n + 1), a(0) = 0, a(1) = 5, a(2) = 22, a(3) = 59\}$

Sequence: A050533
Score: 5.57371
Type of gen. func.: ogf

$(136 f(x) + 297)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 2 x^2 + f(x) - 5 x)$$

Sequence: A050534
Score: 11.8048
Type of gen. func.: ogf

$$-\frac{3x^3}{(x-1)^5}$$

Sequence: A050534
Score: 5.94962
Type of gen. func.: ogf

{(-1 + n) a(n + 2) + (-n - 3) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 3}

Sequence: A050534
Score: 7.03561
Type of gen. func.: ogf

$$f(x)\,x^5 - 5\,f(x)\,x^4 + 10\,f(x)\,x^3 - 10\,f(x)\,x^2 + 3\,x^3 + 5\,f(x)\,x - f(x)$$

Sequence: A050534
Score: 92.5049
Type of gen. func.: lgdogf

$$-\frac{5}{x-1}$$

Sequence: A050621
Score: 11.5615
Type of gen. func.: ogf

$$-\frac{2\,(6x-1)}{(10x-1)\,(2x-1)}$$

Sequence: A050621
Score: 12.3498
Type of gen. func.: lgdogf

$$-\frac{2\,(60\,x^{2}-20\,x+3)}{(6\,x-1)\,(2\,x-1)\,(10\,x-1)}$$

Sequence: A050621
Score: 5.90374
Type of gen. func.: ogf

$$-(62\,f(x)-43)\,(20\,f(x)\,x^{2}-12\,f(x)\,x+f(x)+12\,x-2)$$

Sequence: A050621
Score: 6.52884
Type of gen. func.: ogf

$$\{a(n+2)-12\,a(n+1)+20\,a(n),\ a(0)=2,\ a(1)=12\}$$

Sequence: A050622
Score: 14.6932
Type of gen. func.: ogf

$$2\,(x^{2}+1)\,(2\,x^{24}-2\,x^{22}+2\,x^{20}-2\,x^{18}+2\,x^{16}-2\,x^{14}+2\,x^{12}-2\,x^{10}+2\,x^{8}-2\,x^{6}+2\,x^{4}-x^{2}+1)\ /\ (x-1)^{2}$$

Sequence: A050622
Score: 6.53044
Type of gen. func.: lgdogf

$$2\,(24\,x^{26}-26\,x^{25}+x^{4}-2\,x^{3}-1)\ /\ ((x-1)\,(x^{2}+1)\,(2\,x^{24}-2\,x^{22}+2\,x^{20}-2\,x^{18}+2\,x^{16}-2\,x^{14}+2\,x^{12}-2\,x^{10}+2\,x^{8}-2\,x^{6}+2\,x^{4}-x^{2}+1))$$

Sequence: A050683
Score: 12.4249
Type of gen. func.: revegf]

$$-1/10\ 10^{1/2} \left|\operatorname{arcsinh}(1/3) - \operatorname{arcsinh}\left(\frac{10\ x}{27} + 1/3\right)\right|$$

Sequence: A050683
Score: 15.0981
Type of gen. func.: ogf

$$-\frac{9\ (x + 1)}{10\ x^2 - 1}$$

Sequence: A050683
Score: 18.8256
Type of gen. func.: lgdogf

$$-\frac{10\ x^2 + 20\ x + 1}{(x + 1)\ (10\ x^2 - 1)}$$

Sequence: A050683
Score: 8.8072
Type of gen. func.: ogf

$$(110\ f(x) - 981)\ (10\ f(x)\ x^2 - f(x) + 9\ x + 9)$$

Sequence: A050683
Score: 9.75568
Type of gen. func.: ogf

$$\{-a(n + 2) + 10\ a(n),\ a(0) = 9,\ a(1) = 9\}$$

Sequence: A050684
Score: 10.1805
Type of gen. func.: ogf

$$\frac{(x + 1)^2}{(3\ x - 1)\ (3\ x + 1)\ (10\ x^2 - 1)}$$

Sequence: A050684
Score: 5.7205
Type of gen. func.: ogf

$$-(4493 f(x) + 3636) (90 f(x) x^{4} - 19 f(x) x^{2} - x^{2} + f(x) - 2 x - 1)$$

Sequence: A050684
Score: 9.79899
Type of gen. func.: lgdogf

$$- \frac{2 (90 x^{4} + 180 x^{3} - 19 x - 1)}{(3 x - 1) (3 x + 1) (x + 1) (10 x^{2} - 1)}$$

Sequence: A050685
Score: 4.07998
Type of gen. func.: ogf

$$(1667 f(x) + 1008) (90 f(x) x^{5} - 90 f(x) x^{4} - 19 f(x) x^{3} + 19 f(x) x^{2} + 9 x^{3} + f(x) x + 9 x^{2} - f(x))$$

Sequence: A050685
Score: 7.90811
Type of gen. func.: ogf

$$- \frac{9 x^{2} (x + 1)}{(x - 1) (3 x - 1) (3 x + 1) (10 x^{2} - 1)}$$

Sequence: A050685
Score: 7.92649
Type of gen. func.: lgdogf

$$- \frac{2 (180 x^{5} + 90 x^{4} - 199 x^{3} - 19 x^{2} + 19 x + 1)}{\qquad\qquad\qquad\qquad ^{2}}$$

$$(x - 1) (3 x - 1) (3 x + 1) (x + 1) (10 x - 1)$$

Sequence: A050686
Score: 5.61167
Type of gen. func.: ogf

$$-(7985 f(x) + 7272) (90 f(x) x^{4} - 19 f(x) x^{2} + x^{3} + x^{2} + f(x) - x - 1)$$

Sequence: A050686
Score: 8.06810
Type of gen. func.: lgdogf

$$- \frac{90 x^{5} + 90 x^{4} - 341 x^{3} - 19 x^{2} + 35 x + 1}{(x - 1) (3 x - 1) (3 x + 1) (x + 1) (10 x^{2} - 1)}$$

Sequence: A050686
Score: 9.46446
Type of gen. func.: ogf

$$- \frac{(x - 1) (x + 1)^{2}}{(3 x - 1) (3 x + 1) (10 x^{2} - 1)}$$

Sequence: A050720
Score: 10.5296
Type of gen. func.: ogf

$$\frac{9 x^{2} (x + 1)}{(3 x - 1) (3 x + 1) (10 x^{2} - 1)}$$

Sequence: A050720
Score: 6.09062
Type of gen. func.: ogf

$$-(130 f(x) + 81) (90 f(x) x^{4} - 19 f(x) x^{2} - 9 x^{3} - 9 x^{2} + f(x))$$

Sequence: A050720
Score: 9.31524
Type of gen. func.: lgdogf

$$-\frac{270 x^4 + 360 x^3 - 19 x^2 - 38 x - 1}{(3 x - 1) (3 x + 1) (x + 1) (10 x^2 - 1)}$$

Sequence: A050726
Score: 6.68903
Type of gen. func.: ogf_with_Euler_transform]

$$-3 x^{10} + 3 x^9 + 2$$

Sequence: A050728
Score: 2.74197
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^4 + 2$$

Sequence: A050732
Score: 9.90085
Type of gen. func.: ogf

$$-(f(x) - 2) (2 f(x) x - f(x) + 1)^2$$

Sequence: A050734
Score: 19.0689
Type of gen. func.: ogf

$$-(4 f(x) x - f(x) + 1)^3$$

Sequence: A050735
Score: 13.8018
Type of gen. func.: ogf

$$(5 f(x) x - f(x) + 1)^2$$

Sequence: A050736
Score: 3.43579
Type of gen. func.: ogf

$$-(f(x) - 1) (6 f(x) x - f(x) + 1)^2$$

Sequence: A050737
Score: 4.24939
Type of gen. func.: ogf

$$-(f(x) - 1) (7 f(x) x - f(x) + 1)^2$$

Sequence: A050738
Score: 11.0533
Type of gen. func.: ogf

$$-(8 f(x) x - f(x) + 1)^3$$

Sequence: A050739
Score: 4.48026
Type of gen. func.: ogf

$$(9 f(x) x + f(x) - 18 x - 1) (9 f(x) x - f(x) + 1)^2$$

Sequence: A050914
Score: 10.7469
Type of gen. func.: ogf

$$-\frac{6 x^2 - 3 x + 1}{(x - 1) (3 x - 1)^2}$$

Sequence: A050914
Score: 13.6132
Type of gen. func.: lgdogf

$$-\frac{2\,(3x-2)\,(3x^2+1)}{(x-1)\,(3x-1)\,(6x^2-3x+1)}$$

Sequence: A050914
Score: 5.74403
Type of gen. func.: ogf

$$(764\,f(x)-137)\,(9\,f(x)\,x^3-15\,f(x)\,x^2+7\,f(x)\,x+6\,x^2-f(x)-3\,x+1)$$

Sequence: A050914
Score: 5.84481
Type of gen. func.: ogf

{a(n + 3) - 7 a(n + 2) + 15 a(n + 1) - 9 a(n), a(0) = 1, a(1) = 4, a(2) = 19}

Sequence: A050915
Score: 11.4131
Type of gen. func.: lgdogf

$$-\frac{48x^3-20x^2+4x-5}{(x-1)\,(4x-1)\,(12x^2-4x+1)}$$

Sequence: A050915
Score: 5.0487
Type of gen. func.: ogf

$$(7758\,f(x)-2395)$$

$$(16\,f(x)\,x^3-24\,f(x)\,x^2+9\,f(x)\,x+12\,x^2-f(x)-4\,x+1)$$

Sequence: A050915
Score: 5.26821
Type of gen. func.: ogf

{a(n + 3) - 9 a(n + 2) + 24 a(n + 1) - 16 a(n), a(0) = 1, a(1) = 5, a(2) = 33}

Sequence: A050915
Score: 9.46631
Type of gen. func.: ogf

$$-\frac{12 x^2 - 4 x + 1}{(x - 1) (4 x - 1)^2}$$

Sequence: A050916
Score: 11.8736
Type of gen. func.: lgdogf

$$-\frac{2 (50 x^3 - 15 x^2 - 3)}{(x - 1) (5 x - 1) (20 x^2 - 5 x + 1)}$$

Sequence: A050916
Score: 4.96607
Type of gen. func.: ogf

(14704 f(x) - 5803)

$$(25 f(x) x^3 - 35 f(x) x^2 + 11 f(x) x + 20 x^2 - f(x) - 5 x + 1)$$

Sequence: A050916
Score: 5.22292
Type of gen. func.: ogf

{a(n + 3) - 11 a(n + 2) + 35 a(n + 1) - 25 a(n), a(0) = 1, a(1) = 6, a(2) = 51}

Sequence: A050916
Score: 9.32091
Type of gen. func.: ogf

$$-\frac{20 x^2 - 5 x + 1}{^{2}}$$

$$(x - 1) (5 x - 1)$$

Sequence: A050917
Score: 11.1753
Type of gen. func.: ogf

$$- \frac{30 x^2 - 6 x + 1}{(x - 1) (6 x - 1)^2}$$

Sequence: A050917
Score: 13.4723
Type of gen. func.: lgdogf

$$- \frac{180 x^3 - 42 x^2 - 6 x - 7}{(x - 1) (6 x - 1) (30 x^2 - 6 x + 1)}$$

Sequence: A050917
Score: 5.85802
Type of gen. func.: ogf

$$(176900 f(x) - 81401)$$

$$(36 f(x) x^3 - 48 f(x) x^2 + 13 f(x) x + 30 x^2 - f(x) - 6 x + 1)$$

Sequence: A050917
Score: 6.26202
Type of gen. func.: ogf

$$\{a(n + 3) - 13 a(n + 2) + 48 a(n + 1) - 36 a(n), a(0) = 1, a(1) = 7, a(2) = 73\}$$

Sequence: A050919
Score: 11.1659
Type of gen. func.: lgdogf

$$- \frac{2 (147 x^3 - 28 x^2 - 7 x - 4)}{(x - 1) (7 x - 1) (42 x^2 - 7 x + 1)}$$

Sequence: A050919
Score: 5.00886
Type of gen. func.: ogf

$(562284 f(x) - 288217)$

$$(49 f(x) x^3 - 63 f(x) x^2 + 15 f(x) x + 42 x^2 - f(x) - 7 x + 1)$$

Sequence: A050919
Score: 5.39748
Type of gen. func.: ogf

$\{a(n + 3) - 15 a(n + 2) + 63 a(n + 1) - 49 a(n), a(0) = 1, a(1) = 8, a(2) = 99\}$

Sequence: A050919
Score: 9.63243
Type of gen. func.: ogf

$$-\frac{42 x^2 - 7 x + 1}{(x - 1) (7 x - 1)^2}$$

Sequence: A050935
Score: 12.4469
Type of gen. func.: ogf

$$f(x) x^3 - f(x) x - x^2 + f(x)$$

Sequence: A050935
Score: 23.7623
Type of gen. func.: ogf

$$\frac{x^2}{x^3 - x + 1}$$

Sequence: A050935
Score: 43.4331
Type of gen. func.: lgdogf

$$-\frac{3x^2-1}{x^3-x+1}$$

Sequence: A050935
Score: 8.52342
Type of gen. func.: ogf

$$\{a(n+3)-a(n+2)+a(n),\ a(0)=0,\ a(1)=0,\ a(2)=1\}$$

Sequence: A050982
Score: 48.3480
Type of gen. func.: lgdogf

$$-\frac{30}{5x-1}$$

Sequence: A050982
Score: 6.38712
Type of gen. func.: ogf

$$\{(-n-2)a(n+2)+(35+5n)a(n+1),\ a(0)=1,\ a(1)=30\}$$

Sequence: A050982
Score: 8.25652
Type of gen. func.: ogf

$$\frac{1}{(5x-1)^6}$$

Sequence: A050988
Score: 38.1231
Type of gen. func.: lgdogf

42

```
- -------
  6 x - 1
```

Sequence: A050988
Score: 4.42045
Type of gen. func.: ogf

$$\{(-n - 2)\, a(n + 2) + (48 + 6 n)\, a(n + 1),\ a(0) = 1,\ a(1) = 42\}$$

Sequence: A050988
Score: 4.98477
Type of gen. func.: ogf

$$-\frac{1}{(6 x - 1)^{7}}$$

Sequence: A050989
Score: 30.4985
Type of gen. func.: lgdogf

$$-56 + (1 - 7 x)\, f(x)$$

Sequence: A050989
Score: 4.70817
Type of gen. func.: ogf

$$\{(-n - 2)\, a(n + 2) + (63 + 7 n)\, a(n + 1),\ a(0) = 1,\ a(1) = 56\}$$

Sequence: A051022
Score: 6.63378
Type of gen. func.: ogf

$$\frac{x (91 x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}{(x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A051028
Score: 4.50043

Type of gen. func.: ogf

$$-(302240952837 f(x) + 37802730592)$$

$$(f(x) x^3 - 82 f(x) x^2 - 82 f(x) x - 9 x^2 + f(x) - 53 x - 1)$$

Sequence: A051028
Score: 5.21300
Type of gen. func.: ogf

$$\{a(n + 3) - 82 a(n + 2) - 82 a(n + 1) + a(n), a(0) = 1, a(1) = 135,$$

$$a(2) = 11161\}$$

Sequence: A051028
Score: 6.26581
Type of gen. func.: lgdogf

$$-\frac{9 x^4 + 106 x^3 - 3605 x^2 - 182 x - 135}{(x + 1) (9 x^2 + 53 x + 1) (x^2 - 83 x + 1)}$$

Sequence: A051028
Score: 9.77438
Type of gen. func.: ogf

$$\frac{9 x^2 + 53 x + 1}{(x + 1) (x^2 - 83 x + 1)}$$

Sequence: A051029
Score: 4.73909
Type of gen. func.: ogf

$$(3605803299 f(x) - 554333698)$$

$$(f(x) x^3 - 82 f(x) x^2 - 82 f(x) x + 12 x^2 + f(x) + 26 x - 2)$$

Sequence: A051029
Score: 5.21300

Type of gen. func.: ogf

$$\{a(n+3) - 82\,a(n+2) - 82\,a(n+1) + a(n),\ a(0) = 2,\ a(1) = 138,\ a(2) = 11468\}$$

Sequence: A051029
Score: 6.64555
Type of gen. func.: lgdogf

$$-\frac{6\,x^4 + 26\,x^3 - 577\,x^2 + 152\,x + 69}{(x+1)\,(6\,x^2 + 13\,x - 1)\,(x^2 - 83\,x + 1)}$$

Sequence: A051029
Score: 9.62400
Type of gen. func.: ogf

$$-\frac{2\,(6\,x^2 + 13\,x - 1)}{(x+1)\,(x^2 - 83\,x + 1)}$$

Sequence: A051030
Score: 4.72382
Type of gen. func.: ogf

$$(10116142857\,f(x) - 1209788924)$$
$$(f(x)\,x^3 - 82\,f(x)\,x^2 - 82\,f(x)\,x + 10\,x^2 + f(x) - 8\,x - 2)$$

Sequence: A051030
Score: 5.23557
Type of gen. func.: ogf

$$\{-a(n+3) + 82\,a(n+2) + 82\,a(n+1) - a(n),\ a(0) = 2,\ a(1) = 172,\ a(2) = 14258\}$$

Sequence: A051030
Score: 6.89330
Type of gen. func.: lgdogf

$$-\frac{5 x^4 - 8 x^3 + 735 x^2 + 154 x + 86}{(x - 1) (5 x + 1) (x + 1) (x^2 - 83 x + 1)}$$

Sequence: A051030
Score: 9.81669
Type of gen. func.: ogf

$$-\frac{2 (5 x + 1) (x - 1)}{(x + 1) (x^2 - 83 x + 1)}$$

Sequence: A051032
Score: 12.3159
Type of gen. func.: ogf

$$-\frac{4 x^2 - x - 2}{(x - 1) (2 x^2 - 1)}$$

Sequence: A051032
Score: 14.7264
Type of gen. func.: lgdogf

$$-\frac{8 x^4 - 4 x^3 - 6 x^2 + 3}{(x - 1) (2 x^2 - 1) (4 x^2 - x - 2)}$$

Sequence: A051032
Score: 6.70778
Type of gen. func.: ogf

$$(f(x) + 16) (2 f(x) x^3 - 2 f(x) x^2 - f(x) x + 4 x^2 + f(x) - x - 2)$$

Sequence: A051032
Score: 6.70779
Type of gen. func.: ogf

{-a(n + 3) + a(n + 2) + 2 a(n + 1) - 2 a(n), a(0) = 2, a(1) = 3, a(2) = 3}

Sequence: A051039
Score: 11.2019
Type of gen. func.: ogf

$$\frac{7 x^5 + 4 x^4 + 2 x^3 + x^2 + 1}{(x - 1)^2}$$

Sequence: A051039
Score: 11.9669
Type of gen. func.: lgdogf

$$\frac{21 x^5 - 27 x^4 - 14 x^3 - 6 x^2 - 2 x - 2}{(x - 1) (7 x^5 + 4 x^4 + 2 x^3 + x^2 + 1)}$$

Sequence: A051040
Score: 10.0214
Type of gen. func.: ogf

$$\frac{15 x^6 + 8 x^5 + 4 x^4 + 2 x^3 + x^2 + 1}{(x - 1)^2}$$

Sequence: A051040
Score: 10.0753
Type of gen. func.: lgdogf

$$\frac{2 (30 x^6 - 33 x^5 - 16 x^4 - 7 x^3 - 3 x^2 - x - 1)}{(x - 1) (15 x^6 + 8 x^5 + 4 x^4 + 2 x^3 + x^2 + 1)}$$

Sequence: A051047
Score: 4.48368
Type of gen. func.: ogf

{-a(n + 5) + 15 a(n + 4) - 15 a(n + 3) + a(n + 2), a(0) = 1, a(1) = 3, a(2) = 8,

a(3) = 120, a(4) = 1680}

Sequence: A051047
Score: 4.57456
Type of gen. func.: ogf

$$-(366731 f(x) - 16576730)$$

$$(f(x) x^3 - 3 x^4 - 15 f(x) x^2 + 44 x^3 + 15 f(x) x - 22 x^2 - f(x) - 12 x + 1)$$

Sequence: A051047
Score: 5.50400
Type of gen. func.: lgdogf

$$\frac{3 x^6 - 90 x^5 + 773 x^4 - 1356 x^3 + 645 x^2 - 74 x + 3}{(x - 1) (x^2 - 14 x + 1) (3 x^4 - 44 x^3 + 22 x^2 + 12 x - 1)}$$

Sequence: A051047
Score: 8.25652
Type of gen. func.: ogf

$$\frac{3 x^4 - 44 x^3 + 22 x^2 + 12 x - 1}{(x - 1) (x^2 - 14 x + 1)}$$

Sequence: A051048
Score: 3.20600
Type of gen. func.: ogf

{-a(n + 5) + 15 a(n + 4) - 15 a(n + 3) + a(n + 2), a(0) = 2, a(1) = 5,

a(2) = 31, a(3) = 449, a(4) = 6271}

Sequence: A051048
Score: 3.24875
Type of gen. func.: ogf

$$-(3027419 f(x) - 179956301)$$

$$(f(x) x^3 - 4 x^4 - 15 f(x) x^2 + 57 x^3 + 15 f(x) x - 14 x^2 - f(x) - 25 x + 2)$$

Sequence: A051048
Score: 5.94283
Type of gen. func.: ogf

$$\frac{4 x^4 - 57 x^3 + 14 x^2 + 25 x - 2}{(x - 1) (x^2 - 14 x + 1)}$$

Sequence: A051049
Score: 10.7523
Type of gen. func.: ogf

$$\frac{x^2 - x + 1}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A051049
Score: 11.0717
Type of gen. func.: lgdogf

$$- \frac{2 x^4 - 4 x^3 + 9 x^2 - 4 x - 1}{(x - 1) (2 x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A051049
Score: 5.80435
Type of gen. func.: ogf

$$(17 f(x) + 13) (2 f(x) x^3 - f(x) x^2 - 2 f(x) x - x^2 + f(x) + x - 1)$$

Sequence: A051049
Score: 5.85618
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) - a(n + 1) + 2 a(n), a(0) = 1, a(1) = 1, a(2) = 4}

Sequence: A051062
Score: 18.3516
Type of gen. func.: ogf

$$\frac{8 (x + 1)}{(x - 1)^2}$$

Sequence: A051062
Score: 28.9264
Type of gen. func.: revogf

$$-\frac{-4 - x + 4 (x + 1)^{1/2}}{-8 + x}$$

Sequence: A051062
Score: 39.1361
Type of gen. func.: ogf_with_Euler_transform]

[3 - x]

Sequence: A051062
Score: 44.9966
Type of gen. func.: lgdogf

$$-\frac{3 + x}{(x - 1) (x + 1)}$$

Sequence: A051062
Score: 9.60257
Type of gen. func.: ogf

$$(2 f(x) + 65) (f(x) x^2 - 2 f(x) x + f(x) - 8 x - 8)$$

Sequence: A051062

Score: 9.94964
Type of gen. func.: ogf

{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 8, a(1) = 24}

Sequence: A051063
Score: 12.4415
Type of gen. func.: ogf

$$\frac{9 (x^2 + x + 1)}{(x + 1) (x - 1)^2}$$

Sequence: A051063
Score: 18.5821
Type of gen. func.: lgdogf

$$-\frac{x^3 + 3 x^2 + 6 x + 2}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A051063
Score: 30.2005
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + x + 2$$

Sequence: A051063
Score: 6.65730
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 9, a(1) = 18, a(2) = 36}

Sequence: A051063
Score: 6.71622
Type of gen. func.: ogf

$$(5 f(x) + 387) (f(x) x^3 - f(x) x^2 - f(x) x - 9 x^2 + f(x) - 9 x - 9)$$

Sequence: A051066
Score: 6.15095
Type of gen. func.: ogf

$$\frac{x (x^2 + 1) (x^8 - x^6 + x^4 - x^2 + 1) (x^8 + 1)}{(x^2 + x + 1) (x^{18} + x^9 + 1) (x - 1)^2}$$

Sequence: A051109
Score: 11.7827
Type of gen. func.: lgdogf

$$- \frac{2 (25 x^4 + 20 x^3 + 15 x^2 + 5 x + 1)}{(5 x^2 + 2 x + 1) (10 x^3 - 1)}$$

Sequence: A051109
Score: 13.4688
Type of gen. func.: ogf

$$- \frac{5 x^2 + 2 x + 1}{10 x^3 - 1}$$

Sequence: A051109
Score: 8.74595
Type of gen. func.: ogf

$$\{a(n + 3) - 10 a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A051109
Score: 8.86101
Type of gen. func.: ogf

$$(4 f(x) - 1) (10 f(x) x^3 + 5 x^2 - f(x) + 2 x + 1)$$

Sequence: A051111
Score: 14.0027
Type of gen. func.: ogf

$$\frac{1}{x^4 - 3 x^3 + 4 x^2 - 2 x + 1}$$

Sequence: A051111
Score: 16.8869
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 9 x^2 + 8 x - 2}{x^4 - 3 x^3 + 4 x^2 - 2 x + 1}$$

Sequence: A051111
Score: 5.64584
Type of gen. func.: ogf

$$-(13 f(x) - 19) (f(x) x^4 - 3 f(x) x^3 + 4 f(x) x^2 - 2 f(x) x + f(x) - x)$$

Sequence: A051133
Score: 6.51217
Type of gen. func.: ogf

$$\{(n + 1) a(n + 2) + (-10 - 4 n) a(n + 1), a(0) = 0, a(1) = 3\}$$

Sequence: A051133
Score: 60.7145
Type of gen. func.: lgdogf

$$-\frac{10}{4 x - 1}$$

Sequence: A051136
Score: 12.3732
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^3 - 4x^2 + x - 4}{-x^4 + 1}$$

Sequence: A051170
Score: 16.1733
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^4 + x^2 + x + 3$$

Sequence: A051170
Score: 5.90873
Type of gen. func.: ogf

$$-\frac{x (x^2 - x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^5}$$

Sequence: A051170
Score: 9.11973
Type of gen. func.: lgdogf

$$-\frac{7x^6 - 4x^5 + 9x^4 + 4x^3 + 4x^2 + 2x + 3}{(x - 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A051172
Score: 16.0836
Type of gen. func.: ogf_with_Euler_transform]

$$x^6 - 2x^5 + 2x^2 + 2x + 4$$

Sequence: A051172
Score: 3.88801
Type of gen. func.: ogf

$$x (x^2 - x + 1)^2$$

$$-\frac{}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)\,(x - 1)^{7}}$$

Sequence: A051176
Score: 10.4118
Type of gen. func.: ogf

$$\frac{x\,(x^{4} + 2\,x^{3} + x^{2} + 2\,x + 1)}{(x - 1)^{2}\,(x^{2} + x + 1)^{2}}$$

Sequence: A051176
Score: 10.6628
Type of gen. func.: lgdogf

$$-\frac{2\,(x^{6} + 3\,x^{5} + 2\,x^{4} + 7\,x^{3} + 6\,x^{2} + x + 1)}{(x - 1)\,(x^{2} + x + 1)\,(x^{4} + 2\,x^{3} + x^{2} + 2\,x + 1)}$$

Sequence: A051176
Score: 6.31265
Type of gen. func.: ogf

$$\{(-n - 4)\,a(n + 1) + (n + 1)\,a(n + 4),\ a(0) = 0,\ a(1) = 1,\ a(2) = 2,\ a(3) = 1\}$$

Sequence: A051180
Score: 4.58917
Type of gen. func.: ogf

$$\frac{x^{3}\,(744\,x^{3} - 606\,x^{2} + 155\,x - 13)}{(x - 1)\,(6\,x - 1)\,(4\,x - 1)\,(3\,x - 1)\,(2\,x - 1)\,(8\,x - 1)\,(5\,x - 1)}$$

Sequence: A051188
Score: 11.7569
Type of gen. func.: egf]

$$-7\,f(x)\,x + f(x) - 1$$

Sequence: A051188
Score: 22.9540
Type of gen. func.: egf]

$$-\frac{1}{7x-1}$$

Sequence: A051188
Score: 27.7177
Type of gen. func.: revegf]

$$1/7 - 1/7 \exp(-7 x)$$

Sequence: A051188
Score: 42.8364
Type of gen. func.: lgdegf]

$$-\frac{7}{7x-1}$$

Sequence: A051188
Score: 5.41610
Type of gen. func.: ogf

$$\{(-7 n - 14) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 7\}$$

Sequence: A051189
Score: 12.2193
Type of gen. func.: egf]

$$-8 f(x) x + f(x) - 1$$

Sequence: A051189
Score: 23.8566
Type of gen. func.: egf]

$$-\frac{1}{8x-1}$$

Sequence: A051189
Score: 28.8328
Type of gen. func.: revegf]

$$1/8 - 1/8 \exp(-8 x)$$

Sequence: A051189
Score: 49.0157
Type of gen. func.: lgdegf]

$$-\frac{8}{8 x - 1}$$

Sequence: A051189
Score: 5.62909
Type of gen. func.: ogf

$$\{(-8 n - 16) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 8\}$$

Sequence: A051223
Score: 16.9211
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A051224
Score: 15.3446
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A051232
Score: 14.9449
Type of gen. func.: egf]

$$-9 f(x) x + f(x) - 1$$

Sequence: A051232
Score: 29.1782
Type of gen. func.: egf]

$$-\frac{1}{9x-1}$$

Sequence: A051232
Score: 54.6956
Type of gen. func.: lgdegf]

$$-\frac{9}{9x-1}$$

Sequence: A051232
Score: 6.88474
Type of gen. func.: ogf

$$\{(-9n-18)a(n+1)+a(n+2), a(0)=1, a(1)=9\}$$

Sequence: A051249
Score: 12.9521
Type of gen. func.: lgdegf]

$$1-3f(x)+3f(x)^2-f(x)^3$$

Sequence: A051249
Score: 5.04632
Type of gen. func.: ogf

$$-(f(x)-1)(f(x)x-f(x)+1)^2$$

Sequence: A051253
Score: 10.4429
Type of gen. func.: lgdogf

$$2(16x^5-8x^4-12x^3+3x^2-2x+2)$$

$$- \frac{\qquad}{(2 x - 1) (4 x^2 - 2 x - 1) (2 x^3 + 2 x^2 - 1)}$$

Sequence: A051253
Score: 11.5537
Type of gen. func.: ogf

$$- \frac{4 x^2 - 2 x - 1}{(2 x - 1) (2 x^3 + 2 x^2 - 1)}$$

Sequence: A051253
Score: 6.03942
Type of gen. func.: ogf

$$(95 f(x) + 932)$$

$$(4 f(x) x^4 + 2 f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + 4 x^2 + f(x) - 2 x - 1)$$

Sequence: A051262
Score: 10.6191
Type of gen. func.: egf]

$$-10 f(x) x + f(x) - 1$$

Sequence: A051262
Score: 20.2728
Type of gen. func.: egf]

$$- \frac{1}{10 x - 1}$$

Sequence: A051262
Score: 33.4958
Type of gen. func.: lgdegf]

$$- \frac{10}{10 x - 1}$$

Sequence: A051262
Score: 4.90111
Type of gen. func.: ogf

$$\{(-10 n - 20) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 10\}$$

Sequence: A051263
Score: 10.9822
Type of gen. func.: lgdogf

$$- \frac{12 x^6 + 13 x^5 + 14 x^4 + 9 x^3 + 9 x^2 + 2 x + 1}{(x - 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A051263
Score: 25.3470
Type of gen. func.: ogf_with_Euler_transform]

$$[x^4 + 2 x^2 + 1]$$

Sequence: A051263
Score: 8.48458
Type of gen. func.: ogf

$$\frac{1}{(x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x - 1)^4}$$

Sequence: A051274
Score: 12.2863
Type of gen. func.: lgdogf

$$- \frac{x (x^6 + x^5 + 2 x^4 + 4 x^3 + 9 x^2 + 5 x + 2)}{(x - 1) (x + 1) (x^2 + x + 1) (x^4 + 1)}$$

Sequence: A051274

Score: 13.5044
Type of gen. func.: ogf

$$\frac{x^4 + 1}{(x^2 + x + 1) (x + 1) (x - 1)^2}$$

Sequence: A051274
Score: 18.2471
Type of gen. func.: ogf_with_Euler_transform]

$$-x (x^6 - x^2 - x - 1)$$

Sequence: A051275
Score: 13.3909
Type of gen. func.: ogf

$$\frac{x^2 + 1}{(x^2 + x + 1) (x + 1) (x - 1)^2}$$

Sequence: A051275
Score: 13.8623
Type of gen. func.: lgdogf

$$- \frac{x (3 x^4 + 3 x^3 + 7 x^2 + 7 x + 4)}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A051275
Score: 28.0749
Type of gen. func.: ogf_with_Euler_transform]

$$-x^3 + x^2 + 2 x$$

Sequence: A051286
Score: 16.7571
Type of gen. func.: lgdogf

$$-\frac{2x^3-3x^2-x-1}{(x^2+x+1)(x^2-3x+1)}$$

Sequence: A051286
Score: 7.07724
Type of gen. func.: ogf

$$f(x)^2 x^4 - 2x^3 f(x)^2 - f(x)^2 x^2 - 2 f(x)^2 x + f(x)^2 - 1$$

Sequence: A051292
Score: 4.3307
Type of gen. func.: ogf

$$f(x)^2 x^4 - 2x^3 f(x)^2 - 2 f(x) x^4 - f(x)^2 x^2 + 4 f(x) x^3 - 2 f(x)^2 x + 2 f(x) x^2 - 2x^3 + f(x)^2 + 4 f(x) x + x^2 - 2 f(x) - 2x$$

Sequence: A051303
Score: 5.15173
Type of gen. func.: ogf

$$\frac{x^3(360x^3-78x^2-x-1)}{(x-1)(6x-1)(4x-1)(3x-1)(2x-1)(8x-1)(5x-1)}$$

Sequence: A051361
Score: 12.3551
Type of gen. func.: lgdogf

$$-\frac{(2x-3)(4x^3-20x^2+33x-25)}{(x-1)(2x^4-12x^3+27x^2-29x+13)}$$

Sequence: A051361
Score: 6.20431
Type of gen. func.: ogf

$$\frac{x^3 (2 x^4 - 12 x^3 + 27 x^2 - 29 x + 13)}{(x - 1)^8}$$

Sequence: A051375
Score: 4.26961
Type of gen. func.: ogf

$$-(139 f(x) - 81)$$

$$(24 f(x) x^4 - 50 f(x) x^3 + 35 f(x) x^2 + 24 x^3 - 10 f(x) x - 9 x^2 + f(x))$$

Sequence: A051375
Score: 7.83873
Type of gen. func.: lgdogf

$$- \frac{2 (288 x^4 - 544 x^3 + 365 x^2 - 105 x + 11)}{(x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (8 x - 3)}$$

Sequence: A051375
Score: 8.13532
Type of gen. func.: ogf

$$- \frac{3 x^2 (8 x - 3)}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A051376
Score: 4.96014
Type of gen. func.: ogf

$$\frac{x^2 (1344 x^3 - 692 x^2 + 59 x + 3)}{(x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (8 x - 1) (7 x - 1)}$$

Sequence: A051396
Score: 5.57576
Type of gen. func.: ogf

$$\{(4 n^2 - 2 n) a(n) + (-4 n^2 - 6 n - 3) a(n + 1) + a(n + 2), a(0) = 0, a(1) = 1\}$$

Sequence: A051397
Score: 5.01707
Type of gen. func.: ogf

$$\{(4 n^2 + 2 n) a(n) + (-4 n^2 - 10 n - 7) a(n + 1) + a(n + 2), a(0) = 0, a(1) = 1\}$$

Sequence: A051398
Score: 18.9878
Type of gen. func.: lgdegf]

$$\frac{x^3 + 5 x^2 + 6 x + 3}{(x + 1) (x^2 + 3 x + 1)}$$

Sequence: A051403
Score: 5.44585
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 1) + (n + 4) a(n + 2) - a(n + 3), a(0) = 0, a(1) = 1, a(2) = 3\}$$

Sequence: A051405
Score: 5.36735
Type of gen. func.: ogf

$$(121 f(x) + 108)$$
$$(27 f(x) x^3 - 39 f(x) x^2 + 13 f(x) x + 18 x^2 - f(x) - 16 x + 2)$$

Sequence: A051405
Score: 5.50497
Type of gen. func.: ogf

$$\{-a(n + 3) + 13 a(n + 2) - 39 a(n + 1) + 27 a(n), a(0) = 2, a(1) = 10, a(2) = 70\}$$

Sequence: A051405
Score: 9.16086
Type of gen. func.: lgdogf

$$-\frac{243 x^4 - 432 x^3 + 276 x^2 - 60 x + 5}{(x - 1) (3 x - 1) (9 x - 1) (9 x^2 - 8 x + 1)}$$

Sequence: A051405
Score: 9.75882
Type of gen. func.: ogf

$$-\frac{2 (9 x^2 - 8 x + 1)}{(x - 1) (3 x - 1) (9 x - 1)}$$

Sequence: A051406
Score: 10.7985
Type of gen. func.: ogf

$$-\frac{9 x^2 - 8 x + 1}{(x - 1) (3 x - 1) (9 x - 1)}$$

Sequence: A051406
Score: 5.90689
Type of gen. func.: ogf

$$(121 f(x) + 54) (27 f(x) x^3 - 39 f(x) x^2 + 13 f(x) x + 9 x^2 - f(x) - 8 x + 1)$$

Sequence: A051406
Score: 5.95781
Type of gen. func.: ogf

$$\{-a(n + 3) + 13 a(n + 2) - 39 a(n + 1) + 27 a(n), a(0) = 1, a(1) = 5, a(2) = 35 \}$$

Sequence: A051406
Score: 8.81352
Type of gen. func.: lgdogf

$$-\frac{243 x^4 - 432 x^3 + 276 x^2 - 60 x + 5}{(x - 1) (3 x - 1) (9 x - 1) (9 x^2 - 8 x + 1)}$$

Sequence: A051407
Score: 15.1926
Type of gen. func.: lgdogf

$$-\frac{3 (81 x^2 - 36 x + 5)}{(3 x - 1) (9 x - 2) (9 x - 1)}$$

Sequence: A051407
Score: 15.4169
Type of gen. func.: ogf

$$-\frac{9 x - 2}{(9 x - 1) (3 x - 1)}$$

Sequence: A051407
Score: 15.5632
Type of gen. func.: revogf

$$-\frac{-1 - 6 x + (9 x^2 + 3 x + 1)^{1/2}}{9 (1 + 3 x)}$$

Sequence: A051407
Score: 7.62733
Type of gen. func.: ogf

$$-(242 f(x) + 141) (27 f(x) x^2 - 12 f(x) x + f(x) + 9 x - 2)$$

Sequence: A051407

Score: 8.52466
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 27 a(n), a(0) = 2, a(1) = 15\}$$

Sequence: A051431
Score: 14.7957
Type of gen. func.: revegf]

$$\frac{-1 + (10 x + 1)^{(1/10)}}{(10 x + 1)^{1/10}}$$

Sequence: A051431
Score: 38.0460
Type of gen. func.: lgdegf]

$$-11 + (1 - x) f(x)$$

Sequence: A051431
Score: 6.04418
Type of gen. func.: ogf

$$\{(-n - 12) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 11\}$$

Sequence: A051436
Score: 5.44848
Type of gen. func.: ogf

$$-\frac{39 x^7 - 20 x^6 - 39 x^5 + 14 x^4 + 17 x^3 - 5 x^2 - 3 x + 1}{(x - 1) (3 x - 1) (2 x - 1) (x + 1) (3 x^2 - 1) (2 x^2 - 1)}$$

Sequence: A051437
Score: 13.0071
Type of gen. func.: ogf

$$-\frac{4 x^2 - x - 1}{{}^{2}}$$

$$(2 x - 1) (2 x - 1)$$

Sequence: A051437
Score: 13.4366
Type of gen. func.: lgdogf

$$-\frac{16 x^4 - 8 x^3 - 2 x^2 - 4 x + 3}{(2 x - 1) (2 x^2 - 1) (4 x^2 - x - 1)}$$

Sequence: A051437
Score: 6.95992
Type of gen. func.: ogf

$$(27 f(x) + 134) (4 f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + 4 x^2 + f(x) - x - 1)$$

Sequence: A051437
Score: 7.08421
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 3, a(2) = 4\}$$

Sequence: A051449
Score: 6.37170
Type of gen. func.: ogf

$$-\frac{(x^3 + x - 1) (x + 1)^2}{(x^2 + x + 1) (x^2 + x - 1) (x^4 + x^2 - 1)}$$

Sequence: A051449
Score: 6.63351
Type of gen. func.: lgdogf

$$-(3 x^{11} + 9 x^{10} + 15 x^9 + 15 x^8 + 5 x^7 - 5 x^6 - 5 x^5 - 9 x^4 - x^3 + x^2 + x + 1) \Big/ ((x + 1) (x^2 + x - 1) (x^3 + x - 1) (x^4 + x^2 - 1) (x^2 + x + 1))$$

Sequence: A051450
Score: 10.8160
Type of gen. func.: ogf

$$\frac{2 x - 1}{(x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A051450
Score: 11.9712
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^4 - 6 x^3 + 3 x - 1)}{(2 x - 1) (x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A051450
Score: 5.408
Type of gen. func.: ogf

$$(22 f(x) + 5) (f(x) x^4 - 2 f(x) x^3 - 3 f(x) x^2 + 4 f(x) x - f(x) - 2 x + 1)$$

Sequence: A051462
Score: 11.5533
Type of gen. func.: lgdogf

$$- \frac{x^5 + 5 x^4 + 11 x^3 + 17 x^2 + 10 x + 4}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A051462
Score: 22.3568
Type of gen. func.: ogf_with_Euler_transform]

$$-2 x^3 + x^2 + x + 4$$

Sequence: A051462
Score: 6.81389
Type of gen. func.: ogf

$$\frac{(x+1)(x^2+1)^2}{(x^2+x+1)(x-1)^4}$$

Sequence: A051494
Score: 10.7687
Type of gen. func.: ogf

$$-\frac{x^3+x^2-x+1}{(x-1)^3(x+1)^3}$$

Sequence: A051494
Score: 16.8409
Type of gen. func.: lgdogf

$$-\frac{3x^4+4x^3-2x^2+8x-1}{(x-1)(x+1)(x^3+x^2-x+1)}$$

Sequence: A051495
Score: 10.0742
Type of gen. func.: lgdogf

$$-\frac{5x^6-6x^5+14x^4+12x^3+6x^2+4x+1}{(x-1)(x^2+x+1)(x^4-x^3+2x^2+x+1)}$$

Sequence: A051495
Score: 9.65456
Type of gen. func.: ogf

$$-\frac{x^4-x^3+2x^2+x+1}{(x-1)^3(x^2+x+1)^3}$$

Sequence: A051500
Score: 10.4450
Type of gen. func.: ogf

$$-\frac{12 x^{2} - 9 x + 1}{(x - 1) (3 x - 1) (9 x - 1)}$$

Sequence: A051500
Score: 5.43143
Type of gen. func.: ogf

$$-(8176 f(x) + 5657)$$

$$(27 f(x) x^{3} - 39 f(x) x^{2} + 13 f(x) x + 12 x^{2} - f(x) - 9 x + 1)$$

Sequence: A051500
Score: 5.85283
Type of gen. func.: ogf

$$\{-a(n + 3) + 13 a(n + 2) - 39 a(n + 1) + 27 a(n), a(0) = 1, a(1) = 4, a(2) = 25$$

$$\}$$

Sequence: A051500
Score: 8.27986
Type of gen. func.: lgdogf

$$-\frac{2 (162 x^{4} - 243 x^{3} + 138 x^{2} - 27 x + 2)}{(x - 1) (3 x - 1) (9 x - 1) (12 x^{2} - 9 x + 1)}$$

Sequence: A051515
Score: 4.81951
Type of gen. func.: ogf

$$-\frac{9 x^{6} + 16 x^{5} + 135 x^{4} + 64 x^{3} + 135 x^{2} + 16 x + 9}{(x + 1)^{4} (x - 1)^{5}}$$

Sequence: A051515
Score: 6.08089
Type of gen. func.: lgdogf

$$-\frac{27 x^7 + 73 x^6 + 745 x^5 + 599 x^4 + 1549 x^3 + 455 x^2 + 367 x + 25}{(x - 1) (x + 1) (9 x^6 + 16 x^5 + 135 x^4 + 64 x^3 + 135 x^2 + 16 x + 9)}$$

Sequence: A051524
Score: 3.72758
Type of gen. func.: ogf

$$\{(n^2 + 14 n + 49) a(n + 1) + (-2 n - 15) a(n + 2) + a(n + 3), a(0) = 0,$$
$$a(1) = 1, a(2) = 13\}$$

Sequence: A051528
Score: 4.91808
Type of gen. func.: ogf

$$\frac{x^{12} - x^9 + 2 x^8 + 2 x^4 - x + 1}{(x^2 + x + 1) (x^2 - x + 1) (x^2 + 1)^2 (x + 1)^3 (x - 1)^4}$$

Sequence: A051530
Score: 4.70374
Type of gen. func.: ogf

$$\frac{x^9 + x^8 - x^7 + 5 x^6 - x^5 + x^4 + 2 x^3 - x + 1}{(x^2 - x + 1) (x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4}$$

Sequence: A051531
Score: 5.89057
Type of gen. func.: ogf

$$2 x^6 + 5 x^5 + 6 x^3 + 3 x^2 - x + 1$$

$$\frac{\qquad}{(x^2 + x + 1)^2 (x - 1)^4}$$

Sequence: A051531
Score: 7.07226
Type of gen. func.: lgdogf

$$-\frac{4 x^8 + 19 x^7 + 14 x^6 + 52 x^5 + 55 x^4 + 11 x^3 + 30 x^2 + 6 x + 1}{(x - 1) (x^2 + x + 1) (2 x^6 + 5 x^5 + 6 x^3 + 3 x^2 - x + 1)}$$

Sequence: A051535
Score: 5.93287
Type of gen. func.: ogf

$$-\frac{(2 x + 1) (16 x^4 + 8 x^3 + 4 x^2 + 2 x + 1) (16 x^4 - 8 x^3 + 4 x^2 - 2 x + 1)}{1000 x^{10} - 1}$$

Sequence: A051545
Score: 3.78738
Type of gen. func.: ogf

$$\{(n^2 + 16 n + 64) a(n + 1) + (-2 n - 17) a(n + 2) + a(n + 3), a(0) = 0,$$

$$a(1) = 1, a(2) = 15\}$$

Sequence: A051551
Score: 3.01029
Type of gen. func.: ogf

$$16 (32462531054272512 x^6 - 42268920643584 x^5 - 73383542784 x^4 - 254803968 x^3$$

$$- 110592 x^2 - 192 x - 1) \bigg/ (48693796581408768 x^6 - 191102976 x^3 - 1)$$

Sequence: A051551
Score: 9.57819
Type of gen. func.: ogf

$$(576 f(x) x - f(x) - 6144 x + 16)^2$$

Sequence: A051560
Score: 3.41939
Type of gen. func.: ogf

$$\{(n^2 + 18 n + 81) a(n + 1) + (-2 n - 19) a(n + 2) + a(n + 3), a(0) = 0,$$
$$a(1) = 1, a(2) = 17\}$$

Sequence: A051562
Score: 3.47360
Type of gen. func.: ogf

$$\{(n^2 + 20 n + 100) a(n + 1) + (-2 n - 21) a(n + 2) + a(n + 3), a(0) = 0,$$
$$a(1) = 1, a(2) = 19\}$$

Sequence: A051564
Score: 3.55121
Type of gen. func.: ogf

$$\{(n^2 + 22 n + 121) a(n + 1) + (-2 n - 23) a(n + 2) + a(n + 3), a(0) = 0,$$
$$a(1) = 1, a(2) = 21\}$$

Sequence: A051577
Score: 12.4444
Type of gen. func.: revegf]

$$\frac{((1 + 3 x)^{(1/3)} - 1) ((1 + 3 x)^{(1/3)} + 1)}{2 (1 + 3 x)^{2/3}}$$

Sequence: A051577
Score: 43.9703
Type of gen. func.: lgdegf]

$$-5 + (1 - 2 x) f(x)$$

Sequence: A051577
Score: 7.62877
Type of gen. func.: ogf

$$\{(-2 n - 7) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 5\}$$

Sequence: A051578
Score: 14.6517
Type of gen. func.: revegf]

$$\frac{2 x}{(1 + 4 x)^{1/2} (1 + (1 + 4 x)^{1/2})}$$

Sequence: A051578
Score: 18.0541
Type of gen. func.: egf]

$$-\frac{1}{(2 x - 1)^{3}}$$

Sequence: A051578
Score: 46.6192
Type of gen. func.: lgdegf]

$$-\frac{6}{2 x - 1}$$

Sequence: A051578
Score: 6.59668
Type of gen. func.: egf]

$$-(f(x) - 1) (8 f(x) x^{3} - 12 f(x) x^{2} + 6 f(x) x - f(x) + 1)$$

Sequence: A051578

Score: 7.79608
Type of gen. func.: ogf

$$\{(-2 n - 8) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 6\}$$

Sequence: A051579
Score: 34.9429
Type of gen. func.: lgdegf]

$$-7 + (1 - 2 x) f(x)$$

Sequence: A051579
Score: 6.08497
Type of gen. func.: ogf

$$\{(-2 n - 9) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 7\}$$

Sequence: A051579
Score: 9.88951
Type of gen. func.: revegf]

$$\frac{((1 + 5 x)^{(1/5)} - 1) ((1 + 5 x)^{(1/5)} + 1)}{2 (1 + 5 x)^{2/5}}$$

Sequence: A051580
Score: 10.5156
Type of gen. func.: egf]

$$\frac{1}{(2 x - 1)^4}$$

Sequence: A051580
Score: 14.8744
Type of gen. func.: revegf]

$$\frac{-1 + (1 + 6 x)^{(1/3)}}{2 (1 + 6 x)^{1/3}}$$

Sequence: A051580
Score: 4.40976
Type of gen. func.: egf]

$$-(f(x) + 1) (16 f(x) x^4 - 32 f(x) x^3 + 24 f(x) x^2 - 8 f(x) x + f(x) - 1)$$

Sequence: A051580
Score: 48.6797
Type of gen. func.: lgdegf]

$$-\frac{8}{2 x - 1}$$

Sequence: A051580
Score: 6.14393
Type of gen. func.: ogf

$$\{(-2 n - 10) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 8\}$$

Sequence: A051581
Score: 10.1261
Type of gen. func.: revegf]

$$\frac{(-1 + (1 + 7 x)^{(1/7)}) ((1 + 7 x)^{(1/7)} + 1)}{2 (1 + 7 x)^{2/7}}$$

Sequence: A051581
Score: 36.4540
Type of gen. func.: lgdegf]

$$-9 + (1 - 2 x) f(x)$$

Sequence: A051581
Score: 6.27126
Type of gen. func.: ogf

{(-2 n - 11) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 9}

Sequence: A051582
Score: 15.6614
Type of gen. func.: revegf]

$$\frac{-1 + (1 + 8 x)^{(1/4)}}{2 (1 + 8 x)^{1/4}}$$

Sequence: A051582
Score: 46.9841
Type of gen. func.: lgdegf]

$$- \frac{10}{2 x - 1}$$

Sequence: A051582
Score: 6.39047
Type of gen. func.: ogf

{(-2 n - 12) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 10}

Sequence: A051582
Score: 9.91624
Type of gen. func.: egf]

$$- \frac{1}{(2 x - 1)^{5}}$$

Sequence: A051583
Score: 10.5458
Type of gen. func.: revegf]

$$\frac{(-1 + (1 + 9 x)^{(1/9)}) ((1 + 9 x)^{(1/9)} + 1)}{2 (1 + 9 x)^{2/9}}$$

Sequence: A051583
Score: 35.5922
Type of gen. func.: lgdegf]

$$-11 + (1 - 2 x) f(x)$$

Sequence: A051583
Score: 6.45342
Type of gen. func.: ogf

$$\{(-2 n - 13) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 11\}$$

Sequence: A051588
Score: 4.13696
Type of gen. func.: ogf

$$(2721 f(x) + 2027) (960 f(x) x^4 - 712 f(x) x^3 + 194 f(x) x^2 - 24 x^3 - 23 f(x) x + 8 x^2 + f(x) - x)$$

Sequence: A051588
Score: 6.11373
Type of gen. func.: lgdogf

$$- \frac{46080 x^5 - 40128 x^4 + 15232 x^3 - 3136 x^2 + 340 x - 15}{(6 x - 1) (4 x - 1) (8 x - 1) (5 x - 1) (24 x^2 - 8 x + 1)}$$

Sequence: A051588
Score: 7.50781
Type of gen. func.: ogf

$$\frac{x (24 x^2 - 8 x + 1)}{(6 x - 1) (4 x - 1) (8 x - 1) (5 x - 1)}$$

Sequence: A051604

Score: 37.3984
Type of gen. func.: lgdegf]

$$-7 + (1 - 3 x) f(x)$$

Sequence: A051604
Score: 6.43043
Type of gen. func.: ogf

$$\{(-3 n - 10) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 7\}$$

Sequence: A051604
Score: 8.37277
Type of gen. func.: revegf]

$$\frac{((1 + 4 x)^{(1/4)} - 1) ((1 + 4 x)^{1/2} + (1 + 4 x)^{(1/4)} + 1)}{3 (1 + 4 x)^{3/4}}$$

Sequence: A051605
Score: 37.9650
Type of gen. func.: lgdegf]

$$-8 + (1 - 3 x) f(x)$$

Sequence: A051605
Score: 6.52593
Type of gen. func.: ogf

$$\{(-3 n - 11) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 8\}$$

Sequence: A051605
Score: 8.49963
Type of gen. func.: revegf]

$$\frac{((1 + 5 x)^{(1/5)} - 1) ((1 + 5 x)^{(2/5)} + (1 + 5 x)^{(1/5)} + 1)}{3 (1 + 5 x)^{3/5}}$$

Sequence: A051606
Score: 15.3284
Type of gen. func.: egf]

$$-\frac{1}{(3x-1)^3}$$

Sequence: A051606
Score: 16.7564
Type of gen. func.: revegf]

$$\frac{2x}{(1+6x)^{1/2}\,(1+(1+6x)^{1/2})}$$

Sequence: A051606
Score: 58.6474
Type of gen. func.: lgdegf]

$$-\frac{9}{3x-1}$$

Sequence: A051606
Score: 6.52398
Type of gen. func.: egf]

$$-(f(x)-1)\,(27\,f(x)\,x^3-27\,f(x)\,x^2+9\,f(x)\,x-f(x)+1)$$

Sequence: A051606
Score: 6.71693
Type of gen. func.: ogf

$$\{(-3n-12)\,a(n+1)+a(n+2),\ a(0)=1,\ a(1)=9\}$$

Sequence: A051607
Score: 31.7115
Type of gen. func.: lgdegf]

```
                              -10 + (1 - 3 x) f(x)
```

Sequence: A051607
Score: 5.76082
Type of gen. func.: ogf

```
             {(-3 n - 13) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 10}
```

Sequence: A051607
Score: 7.46153
Type of gen. func.: revegf]

```
                         (1/7)            (2/7)            (1/7)
          (-1 + (1 + 7 x)     ) ((1 + 7 x)      + (1 + 7 x)      + 1)
          -----------------------------------------------------------
                                           3/7
                                3 (1 + 7 x)
```

Sequence: A051608
Score: 32.4046
Type of gen. func.: lgdegf]

```
                              -11 + (1 - 3 x) f(x)
```

Sequence: A051608
Score: 5.88406
Type of gen. func.: ogf

```
             {(-3 n - 14) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 11}
```

Sequence: A051608
Score: 7.62462
Type of gen. func.: revegf]

```
                         (1/8)            (1/4)            (1/8)
          (-1 + (1 + 8 x)     ) ((1 + 8 x)      + (1 + 8 x)      + 1)
          -----------------------------------------------------------
                                           3/8
                                3 (1 + 8 x)
```

Sequence: A051609
Score: 14.6331

Type of gen. func.: revegf]

$$\frac{-1 + (1 + 9 x)^{(1/3)}}{3 (1 + 9 x)^{1/3}}$$

Sequence: A051609
Score: 47.8902
Type of gen. func.: lgdegf]

$$- \frac{12}{3 x - 1}$$

Sequence: A051609
Score: 5.64311
Type of gen. func.: egf]

$$-(f(x) + 1) (81 f(x) x^4 - 108 f(x) x^3 + 54 f(x) x^2 - 12 f(x) x + f(x) - 1)$$

Sequence: A051609
Score: 5.97647
Type of gen. func.: ogf

$$\{(-3 n - 15) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 12\}$$

Sequence: A051609
Score: 9.96078
Type of gen. func.: egf]

$$\frac{1}{(3 x - 1)^4}$$

Sequence: A051617
Score: 34.9346
Type of gen. func.: lgdegf]

$$-9 + (1 - 4 x) f(x)$$

Sequence: A051617
Score: 6.01247
Type of gen. func.: ogf

$$\{(-4 n - 13) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 9\}$$

Sequence: A051617
Score: 7.38056
Type of gen. func.: revegf]

$$\frac{((1 + 5 x)^{(1/5)} - 1) ((1 + 5 x)^{(1/5)} + 1) ((1 + 5 x)^{(2/5)} + 1)}{4 (1 + 5 x)^{4/5}}$$

Sequence: A051618
Score: 33.4444
Type of gen. func.: lgdegf]

$$-10 + (1 - 4 x) f(x)$$

Sequence: A051618
Score: 7.02007
Type of gen. func.: ogf

$$\{(-4 n - 14) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 10\}$$

Sequence: A051618
Score: 9.90944
Type of gen. func.: revegf]

$$\frac{(-1 + (1 + 6 x)^{(1/3)}) ((1 + 6 x)^{(1/3)} + 1)}{4 (1 + 6 x)^{2/3}}$$

Sequence: A051619
Score: 33.6177
Type of gen. func.: lgdegf]

$$-11 + (1 - 4 x) f(x)$$

Sequence: A051619
Score: 6.09970
Type of gen. func.: ogf

$$\{(-4 n - 15) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 11\}$$

Sequence: A051619
Score: 7.47059
Type of gen. func.: revegf]

$$\frac{(-1 + (1 + 7 x)^{(1/7)}) ((1 + 7 x)^{(1/7)} + 1) ((1 + 7 x)^{(2/7)} + 1)}{4 (1 + 7 x)^{4/7}}$$

Sequence: A051620
Score: 13.8630
Type of gen. func.: egf]

$$- \frac{1}{(4 x - 1)^{3}}$$

Sequence: A051620
Score: 15.5265
Type of gen. func.: revegf]

$$\frac{2 x}{(1 + 8 x)^{1/2} (1 + (1 + 8 x)^{1/2})}$$

Sequence: A051620
Score: 49.4025
Type of gen. func.: lgdegf]

$$- \frac{12}{4 x - 1}$$

Sequence: A051620
Score: 5.2313
Type of gen. func.: egf]

$$-(f(x) - 1) (64 f(x) x^3 - 48 f(x) x^2 + 12 f(x) x - f(x) + 1)$$

Sequence: A051620
Score: 6.16131
Type of gen. func.: ogf

$$\{(-4 n - 16) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 12\}$$

Sequence: A051621
Score: 34.4841
Type of gen. func.: lgdegf]

$$-13 + (1 - 4 x) f(x)$$

Sequence: A051621
Score: 6.25373
Type of gen. func.: ogf

$$\{(-4 n - 17) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 13\}$$

Sequence: A051621
Score: 7.66313
Type of gen. func.: revegf]

$$\frac{(-1 + (1 + 9 x)^{(1/9)}) ((1 + 9 x)^{(1/9)} + 1) ((1 + 9 x)^{(2/9)} + 1)}{4 (1 + 9 x)^{4/9}}$$

Sequence: A051622
Score: 34.8307
Type of gen. func.: lgdegf]

$$-14 + (1 - 4 x) f(x)$$

Sequence: A051622
Score: 6.31534
Type of gen. func.: ogf

$$\{(-4 n - 18) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 14\}$$

Sequence: A051622
Score: 9.95162
Type of gen. func.: revegf]

$$\frac{((10 x + 1)^{(1/5)} - 1) ((10 x + 1)^{(1/5)} + 1)}{4 (10 x + 1)^{2/5}}$$

Sequence: A051624
Score: 12.8673
Type of gen. func.: ogf

$$- \frac{x (1 + 9 x)}{(x - 1)^3}$$

Sequence: A051624
Score: 30.0896
Type of gen. func.: lgdogf

$$- \frac{6 (3 x + 2)}{(1 + 9 x) (x - 1)}$$

Sequence: A051624
Score: 6.21554
Type of gen. func.: ogf

$$-(4900 f(x) - 15873) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 9 x^2 - f(x) + x)$$

Sequence: A051624
Score: 6.54852
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 12\}$

Sequence: A051630
Score: 6.04849
Type of gen. func.: ogf

$$\frac{x^4 + x^2 - x + 1}{(x^2 - x + 1) (x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4}$$

Sequence: A051630
Score: 7.77853
Type of gen. func.: lgdogf

$$- \frac{x (8 x^8 + x^7 + 13 x^6 - 6 x^5 + 17 x^4 + 3 x^3 + 6 x^2 + 2 x + 4)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 + x^2 - x + 1)}$$

Sequence: A051633
Score: 15.1164
Type of gen. func.: ogf

$$- \frac{x - 3}{(2 x - 1) (x - 1)}$$

Sequence: A051633
Score: 16.6659
Type of gen. func.: revogf

$$- \frac{-3 - 3 x + (x^2 + 14 x + 9)^{1/2}}{2 (2 x + 1)}$$

Sequence: A051633
Score: 19.0467
Type of gen. func.: lgdogf

$$2 (x^2 - 6 x + 4)$$

$$- \frac{}{(x - 1) (x - 3) (2 x - 1)}$$

Sequence: A051633
Score: 8.00282
Type of gen. func.: ogf

$$(3 f(x) + 7) (2 f(x) x^2 - 3 f(x) x + f(x) + x - 3)$$

Sequence: A051633
Score: 8.29561
Type of gen. func.: ogf

{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 3, a(1) = 8}

Sequence: A051662
Score: 11.1736
Type of gen. func.: ogf

$$\frac{2 x^2 + 5 x + 1}{(x - 1)^4}$$

Sequence: A051662
Score: 21.6063
Type of gen. func.: lgdogf

$$- \frac{4 x^2 + 19 x + 9}{(x - 1) (2 x^2 + 5 x + 1)}$$

Sequence: A051662
Score: 3.87425
Type of gen. func.: ogf

{(n + 4) a(n + 4) + (3 + 4 n) a(n + 3) + (-25 - 3 n) a(n + 2)

+ (-6 - 2 n) a(n + 1), a(0) = 1, a(1) = 9, a(2) = 32, a(3) = 78}

Sequence: A051662
Score: 5.39144
Type of gen. func.: ogf

$$(12507136 f(x) + 47292151)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 2 x^2 + f(x) - 5 x - 1)$$

Sequence: A051667
Score: 11.1653
Type of gen. func.: ogf

$$- \frac{2 x (x + 1)}{(2 x - 1) (x - 1)^2}$$

Sequence: A051667
Score: 17.3977
Type of gen. func.: lgdogf

$$- \frac{4 x^2 + 5 x - 5}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A051667
Score: 5.68232
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 0, a(1) = 2, a(2) = 10\}$$

Sequence: A051667
Score: 7.48728
Type of gen. func.: ogf

$$2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x + 2 x^2 - f(x) + 2 x$$

Sequence: A051669
Score: 10.8747
Type of gen. func.: ogf

$$\frac{x^2 - 4 x - 1}{(2 x - 1) (x - 1)^2}$$

Sequence: A051669
Score: 13.8274
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - 7 x^2 - 2 x + 4)}{(x - 1) (2 x - 1) (x^2 - 4 x - 1)}$$

Sequence: A051669
Score: 5.7186
Type of gen. func.: ogf

$$(976 f(x) - 2493) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x - x^2 - f(x) + 4 x + 1)$$

Sequence: A051669
Score: 5.87042
Type of gen. func.: ogf

{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 8, a(2) = 26}

Sequence: A051673
Score: 10.4386
Type of gen. func.: ogf

$$\frac{x (5 x^2 + 8 x + 1)}{(x - 1)^4}$$

Sequence: A051673
Score: 20.8619
Type of gen. func.: lgdogf

$$-\frac{2 (3 + x) (5 x + 2)}{}$$

$$(x - 1) (5 x^2 + 8 x + 1)$$

Sequence: A051673
Score: 3.82925
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (2 + 7 n) a(n + 3) + (-37 - 3 n) a(n + 2)$$

$$+ (-10 - 5 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 12, a(3) = 47\}$$

Sequence: A051673
Score: 5.08014
Type of gen. func.: ogf

$$-(5747308 f(x) + 18131811)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 5 x^3 - 4 f(x) x - 8 x^2 + f(x) - x)$$

Sequence: A051682
Score: 13.1451
Type of gen. func.: ogf

$$- \frac{x (1 + 8 x)}{(x - 1)^3}$$

Sequence: A051682
Score: 30.7465
Type of gen. func.: lgdogf

$$- \frac{11 + 16 x}{(1 + 8 x) (x - 1)}$$

Sequence: A051682
Score: 6.29638
Type of gen. func.: ogf

$$-(11421 f(x) - 33215) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 8 x^2 - f(x) + x)$$

Sequence: A051682
Score: 6.68991
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 11\}$$

Sequence: A051687
Score: 29.7886
Type of gen. func.: lgdegf]

$$-11 + (1 - 5 x) f(x)$$

Sequence: A051687
Score: 5.01702
Type of gen. func.: revegf]

$$((1 + 6 x)^{(1/6)} - 1) ((1 + 6 x)^{(2/3)} + (1 + 6 x)^{1/2} + (1 + 6 x)^{(1/3)} + (1 + 6 x)^{(1/6)} + 1) / (5 (1 + 6 x)^{5/6})$$

Sequence: A051687
Score: 5.41610
Type of gen. func.: ogf

$$\{(-5 n - 16) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 11\}$$

Sequence: A051688
Score: 29.9578
Type of gen. func.: lgdegf]

$$-12 + (1 - 5 x) f(x)$$

Sequence: A051688
Score: 5.44619
Type of gen. func.: ogf

$$\{(-5 n - 17) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 12\}$$

Sequence: A051689
Score: 30.1271
Type of gen. func.: lgdegf]

```
                              -13 + (1 - 5 x) f(x)
```

Sequence: A051689
Score: 5.02118
Type of gen. func.: revegf]

```
               (1/8)
(-1 + (1 + 8 x)     )

              1/2            (3/8)            (1/4)            (1/8)        /
    ((1 + 8 x)    + (1 + 8 x)      + (1 + 8 x)      + (1 + 8 x)      + 1)  /  (
                                                                          /

               5/8
    5 (1 + 8 x)   )
```

Sequence: A051689
Score: 5.47628
Type of gen. func.: ogf

```
             {(-5 n - 18) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 13}
```

Sequence: A051690
Score: 30.4656
Type of gen. func.: lgdegf]

```
                              -14 + (1 - 5 x) f(x)
```

Sequence: A051690
Score: 5.07759
Type of gen. func.: revegf]

```
               (1/9)
(-1 + (1 + 9 x)     )

              (4/9)            (1/3)            (2/9)            (1/9)
    ((1 + 9 x)      + (1 + 9 x)      + (1 + 9 x)      + (1 + 9 x)      + 1)

       /             5/9
      /  (5 (1 + 9 x)   )
     /
```

Sequence: A051690
Score: 5.53646
Type of gen. func.: ogf

$$\{(-5 n - 19) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 14\}$$

Sequence: A051691
Score: 12.2192
Type of gen. func.: egf]

$$-\frac{1}{(5 x - 1)^{3}}$$

Sequence: A051691
Score: 13.2475
Type of gen. func.: revegf]

$$\frac{2 x}{(10 x + 1)^{1/2} (1 + (10 x + 1)^{1/2})}$$

Sequence: A051691
Score: 4.68214
Type of gen. func.: egf]

$$-(f(x) - 1) (125 f(x) x^{3} - 75 f(x) x^{2} + 15 f(x) x - f(x) + 1)$$

Sequence: A051691
Score: 44.5597
Type of gen. func.: lgdegf]

$$-\frac{15}{5 x - 1}$$

Sequence: A051691
Score: 5.56654

Type of gen. func.: ogf

$$\{(-5 n - 20) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 15\}$$

Sequence: A051708
Score: 10.8186
Type of gen. func.: lgdogf

$$-\frac{(x - 1)^{1/2} (9 x - 1)^{1/2} - 9 x + 1}{2 (9 x - 1)^{3/2} x (x - 1)^{1/2}}$$

Sequence: A051708
Score: 5.85802
Type of gen. func.: ogf

$$\{-9 a(n) n + (10 n + 14) a(n + 1) + (-n - 2) a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A051708
Score: 9.95062
Type of gen. func.: ogf

$$-9 f(x)^2 x + f(x)^2 + 9 f(x) x - f(x) - 2 x$$

Sequence: A051711
Score: 12.4032
Type of gen. func.: egf]

$$-4 f(x) x + f(x) + 2 x - 1$$

Sequence: A051711
Score: 15.0849
Type of gen. func.: egf]

$$\frac{2 x - 1}{4 x - 1}$$

Sequence: A051711
Score: 3.87599
Type of gen. func.: ogf

$$\{(8 n^2 + 8 n) a(n) + (-4 n^2 - 18 n - 16) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A051711
Score: 30.3783
Type of gen. func.: lgdegf]

$$\frac{2}{(4 x - 1) (2 x - 1)}$$

Sequence: A051725
Score: 6.59167
Type of gen. func.: ogf

$$- (12 x^{11} + 6 x^{10} + 4 x^9 + 3 x^8 + 12 x^7 + 2 x^6 + 12 x^5 + 3 x^4 + 4 x^3 + 6 x^2 + 12 x + 1) \Big/ ((x^4 - x^2 + 1) (x^2 - x + 1) (x^2 + x + 1) (x - 1) (x + 1) (x^2 + 1))$$

Sequence: A051736
Score: 11.6071
Type of gen. func.: ogf

$$- \frac{(x^2 - 2 x - 1) (x + 1)}{x^4 - 6 x^2 - 2 x + 1}$$

Sequence: A051736
Score: 6.56466
Type of gen. func.: ogf

$$(245 f(x) + 58) (f(x) x^4 - 6 f(x) x^2 + x^3 - 2 f(x) x - x^2 + f(x) - 3 x - 1)$$

Sequence: A051736
Score: 8.97332
Type of gen. func.: lgdogf

$$-\frac{x^6 - 2x^5 - 3x^4 + 13x^2 + 14x + 5}{(x + 1)(x^2 - 2x - 1)(x^4 - 6x^2 - 2x + 1)}$$

Sequence: A051737
Score: 5.72370
Type of gen. func.: lgdogf

$$-\frac{x^8 - 8x^7 + 21x^6 - 2x^5 - 19x^4 - 20x^3 + 9x^2 + 18x + 8}{(x^4 - 4x^3 + 4x + 1)(x^5 - 4x^4 - 5x^3 + 9x^2 + 4x - 1)}$$

Sequence: A051737
Score: 9.19765
Type of gen. func.: ogf

$$-\frac{x^4 - 4x^3 + 4x + 1}{x^5 - 4x^4 - 5x^3 + 9x^2 + 4x - 1}$$

Sequence: A051740
Score: 10.5487
Type of gen. func.: ogf

$$-\frac{1 + 6x}{(x - 1)^5}$$

Sequence: A051740
Score: 30.6092
Type of gen. func.: lgdogf

$$-\frac{11 + 24x}{(1 + 6x)(x - 1)}$$

Sequence: A051740
Score: 4.89514
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-1 + 5 n) a(n + 2) + (-30 - 6 n) a(n + 1), a(0) = 1, a(1) = 11, a(2) = 45\}$$

Sequence: A051743
Score: 17.5865
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 6 x^2 + 6 x - 7}{(x - 2) (x - 1) (x^2 - x + 1)}$$

Sequence: A051743
Score: 4.33133
Type of gen. func.: ogf

$$\{(n^2 + 9 n + 18) a(n + 1) + (-2 n^2 - 14 n - 20) a(n + 2) + (n^2 + 5 n + 6) a(n + 3), a(0) = 2, a(1) = 7, a(2) = 18\}$$

Sequence: A051743
Score: 8.86179
Type of gen. func.: ogf

$$\frac{(x - 2) (x^2 - x + 1)}{(x - 1)^5}$$

Sequence: A051744
Score: 10.1536
Type of gen. func.: ogf

$$-\frac{x^2 - 2 x + 2}{(x - 1)^5}$$

Sequence: A051744
Score: 24.6024
Type of gen. func.: lgdogf

$$-\frac{3 x^{2} - 6 x + 8}{(x - 1) (x^{2} - 2 x + 2)}$$

Sequence: A051744
Score: 4.01066
Type of gen. func.: ogf

$$\{(2 n + 8) a(n + 4) + (-20 - 4 n) a(n + 3) + (12 + 3 n) a(n + 2)$$
$$+ (-n - 4) a(n + 1), a(0) = 2, a(1) = 8, a(2) = 21, a(3) = 45\}$$

Sequence: A051745
Score: 13.2830
Type of gen. func.: lgdogf

$$-\frac{2 (x^{4} - 4 x^{3} + 6 x^{2} - 4 x + 4)}{(x - 1) (x^{4} - 4 x^{3} + 6 x^{2} - 4 x + 2)}$$

Sequence: A051745
Score: 4.58456
Type of gen. func.: ogf

$$\{(n^{2} + 10 n + 21) a(n + 1) + (-2 n^{2} - 15 n - 22) a(n + 2)$$
$$+ (n^{2} + 5 n + 6) a(n + 3), a(0) = 2, a(1) = 8, a(2) = 24\}$$

Sequence: A051745
Score: 7.89074
Type of gen. func.: ogf

$$\frac{x^{4} - 4 x^{3} + 6 x^{2} - 4 x + 2}{}$$

$$(x - 1)^6$$

Sequence: A051746
Score: 17.2988
Type of gen. func.: lgdogf

$$- \frac{3 (x^3 - 3 x^2 + 3 x - 3)}{(x - 2) (x - 1) (x^2 - x + 1)}$$

Sequence: A051746
Score: 4.23627
Type of gen. func.: ogf

$$\{(n^2 + 11 n + 28) a(n + 1) + (-2 n^2 - 16 n - 24) a(n + 2)$$
$$+ (n^2 + 5 n + 6) a(n + 3), a(0) = 2, a(1) = 9, a(2) = 27\}$$

Sequence: A051746
Score: 7.89889
Type of gen. func.: ogf

$$- \frac{(x - 2) (x^2 - x + 1)}{(x - 1)^6}$$

Sequence: A051747
Score: 22.0903
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^2 - 4 x + 5)}{(x - 1) (x^2 - 2 x + 2)}$$

Sequence: A051747
Score: 3.80853
Type of gen. func.: ogf

$$\{(2 n + 8) a(n + 4) + (-22 - 4 n) a(n + 3) + (14 + 3 n) a(n + 2) + (-5 - n) a(n + 1), a(0) = 2, a(1) = 10, a(2) = 31, a(3) = 76\}$$

Sequence: A051747
Score: 8.69903
Type of gen. func.: ogf

$$\frac{x^2 - 2 x + 2}{(x - 1)^6}$$

Sequence: A051755
Score: 12.3468
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x + x^2 - f(x) - 2 x + 3$$

Sequence: A051755
Score: 16.5400
Type of gen. func.: ogf

$$\frac{x^2 - 2 x + 3}{(x - 1)^2}$$

Sequence: A051755
Score: 42.9962
Type of gen. func.: lgdogf

$$- \frac{4}{(x - 1) (x^2 - 2 x + 3)}$$

Sequence: A051755
Score: 8.59433
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 3, a(1) = 4, a(2) = 6\}$$

Sequence: A051792
Score: 10.9486
Type of gen. func.: ogf

$$-\frac{2x^3+x^2+x+1}{x^4-x^2-1}$$

Sequence: A051792
Score: 12.8102
Type of gen. func.: lgdogf

$$-\frac{2x^6+2x^5+5x^4+4x^3+5x^2+1}{(2x^3+x^2+x+1)(x^4-x^2-1)}$$

Sequence: A051792
Score: 9.00836
Type of gen. func.: ogf

$$-f(x)x^4+f(x)x^2-2x^3-x^2+f(x)-x-1$$

Sequence: A051793
Score: 6.61253
Type of gen. func.: ogf

$$-\frac{(2x^5+x^4+x^3+x^2+x+1)(x^2+1)}{x^8+x^6-x^4-x^2-1}$$

Sequence: A051794
Score: 4.77361
Type of gen. func.: ogf

$$-\frac{(x^2+x+1)(x^2-x+1)(2x^7+x^6+x^5+x^4+x^3+x^2+x+1)}{{}^{12}\quad{}^{10}\quad{}^{8}\quad{}^{6}\quad{}^{4}\quad{}^{2}}$$

$$x + x + x - x - x - x - 1$$

Sequence: A051797
Score: 10.2154
Type of gen. func.: ogf

$$-\frac{1 + 7 x}{(x - 1)^5}$$

Sequence: A051797
Score: 29.6279
Type of gen. func.: lgdogf

$$-\frac{4 (3 + 7 x)}{(1 + 7 x) (x - 1)}$$

Sequence: A051797
Score: 5.00201
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + 6 n a(n + 2) + (-35 - 7 n) a(n + 1), a(0) = 1, a(1) = 12, a(2) = 50\}$$

Sequence: A051798
Score: 28.3578
Type of gen. func.: lgdogf

$$-\frac{13 + 32 x}{(1 + 8 x) (x - 1)}$$

Sequence: A051798
Score: 4.54048
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (1 + 7 n) a(n + 2) + (-40 - 8 n) a(n + 1), a(0) = 1, a(1) = 13, a(2) = 55\}$$

Sequence: A051798
Score: 9.78441
Type of gen. func.: ogf

$$-\frac{1 + 8 x}{(x - 1)^{5}}$$

Sequence: A051799
Score: 27.5056
Type of gen. func.: lgdogf

$$-\frac{2 (7 + 18 x)}{(1 + 9 x) (x - 1)}$$

Sequence: A051799
Score: 4.58658
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (2 + 8 n) a(n + 2) + (-45 - 9 n) a(n + 1), a(0) = 1,

a(1) = 14, a(2) = 60}

Sequence: A051799
Score: 9.88375
Type of gen. func.: ogf

$$-\frac{1 + 9 x}{(x - 1)^{5}}$$

Sequence: A051836
Score: 29.4798
Type of gen. func.: lgdogf

$$-\frac{2 (4 + 5 x)}{(2 x + 1) (x - 1)}$$

Sequence: A051836
Score: 4.78787
Type of gen. func.: ogf

{(n + 2) a(n + 3) + (-7 + n) a(n + 2) + (-2 n - 10) a(n + 1), a(0) = 0,

a(1) = 1, a(2) = 8}

Sequence: A051836
Score: 8.54977
Type of gen. func.: ogf

$$\frac{x\,(2\,x+1)}{(x-1)^6}$$

Sequence: A051843
Score: 30.9612
Type of gen. func.: lgdogf

$$-\frac{11+25\,x}{(1+5\,x)\,(x-1)}$$

Sequence: A051843
Score: 4.99162
Type of gen. func.: ogf

{(-n - 2) a(n + 3) + (7 - 4 n) a(n + 2) + (25 + 5 n) a(n + 1), a(0) = 0,

a(1) = 1, a(2) = 11}

Sequence: A051843
Score: 8.97302
Type of gen. func.: ogf

$$\frac{x\,(1+5\,x)}{(x-1)^6}$$

Sequence: A051865
Score: 12.7103
Type of gen. func.: ogf

$$-\frac{x\,(10\,x+1)}{}$$

$$(x - 1)^{3}$$

Sequence: A051865
Score: 29.0365
Type of gen. func.: lgdogf

$$-\frac{13 + 20 x}{(10 x + 1) (x - 1)}$$

Sequence: A051865
Score: 6.14329
Type of gen. func.: ogf

$$-(24805 f(x) - 88578) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 10 x^{2} - f(x) + x)$$

Sequence: A051865
Score: 6.58210
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 13\}$$

Sequence: A051866
Score: 12.7751
Type of gen. func.: ogf

$$-\frac{x (11 x + 1)}{(x - 1)^{3}}$$

Sequence: A051866
Score: 28.0643
Type of gen. func.: lgdogf

$$-\frac{2 (7 + 11 x)}{(11 x + 1) (x - 1)}$$

Sequence: A051866

Score: 6.22652
Type of gen. func.: ogf

$$-(9936 f(x) - 38779) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 11 x^2 - f(x) + x)$$

Sequence: A051866
Score: 6.61568
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 14\}$$

Sequence: A051867
Score: 12.5019
Type of gen. func.: ogf

$$-\frac{x (12 x + 1)}{(x - 1)^3}$$

Sequence: A051867
Score: 28.5558
Type of gen. func.: lgdogf

$$-\frac{3 (5 + 8 x)}{(12 x + 1) (x - 1)}$$

Sequence: A051867
Score: 5.99263
Type of gen. func.: ogf

$$-(47489 f(x) - 201117) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 12 x^2 - f(x) + x)$$

Sequence: A051867
Score: 6.47418
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 15\}$$

Sequence: A051868
Score: 12.5663
Type of gen. func.: ogf

$$-\frac{x (13 x + 1)}{(x - 1)^3}$$

Sequence: A051868
Score: 27.6013
Type of gen. func.: lgdogf

$$-\frac{2 (8 + 13 x)}{(13 x + 1) (x - 1)}$$

Sequence: A051868
Score: 5.97414
Type of gen. func.: ogf

$$-(126812 f(x) - 579195) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 13 x^2 - f(x) + x)$$

Sequence: A051868
Score: 6.50755
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 16\}$$

Sequence: A051869
Score: 12.7596
Type of gen. func.: ogf

$$-\frac{x (14 x + 1)}{(x - 1)^3}$$

Sequence: A051869
Score: 29.1538
Type of gen. func.: lgdogf

$$17 + 28 x$$

```
- ------------------
  (14 x + 1) (x - 1)
```

Sequence: A051869
Score: 6.11619
Type of gen. func.: ogf

$$-(83025 f(x) - 406808) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 14 x^2 - f(x) + x)$$

Sequence: A051869
Score: 6.60767
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 17\}$$

Sequence: A051870
Score: 12.4213
Type of gen. func.: ogf

$$-\frac{x (15 x + 1)}{(x - 1)^3}$$

Sequence: A051870
Score: 28.3717
Type of gen. func.: lgdogf

$$-\frac{6 (3 + 5 x)}{(15 x + 1) (x - 1)}$$

Sequence: A051870
Score: 5.85718
Type of gen. func.: ogf

$$-(213760 f(x) - 1118481) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 15 x^2 - f(x) + x)$$

Sequence: A051870
Score: 6.43244

Type of gen. func.: ogf

$$\{a(n+3) - 3a(n+2) + 3a(n+1) - a(n), a(0) = 0, a(1) = 1, a(2) = 18\}$$

Sequence: A051871
Score: 12.4853
Type of gen. func.: ogf

$$-\frac{x(16x+1)}{(x-1)^3}$$

Sequence: A051871
Score: 28.5202
Type of gen. func.: lgdogf

$$-\frac{19+32x}{(16x+1)(x-1)}$$

Sequence: A051871
Score: 5.98468
Type of gen. func.: ogf

$$-(19363 f(x) - 107757)(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 16 x^2 - f(x) + x)$$

Sequence: A051871
Score: 6.46559
Type of gen. func.: ogf

$$\{a(n+3) - 3a(n+2) + 3a(n+1) - a(n), a(0) = 0, a(1) = 1, a(2) = 19\}$$

Sequence: A051872
Score: 12.6133
Type of gen. func.: ogf

$$-\frac{x(17x+1)}{(x-1)^3}$$

Sequence: A051872
Score: 26.6827
Type of gen. func.: lgdogf

$$-\frac{2\ (10 + 17\ x)}{(17\ x + 1)\ (x - 1)}$$

Sequence: A051872
Score: 5.94775
Type of gen. func.: ogf

$$-(339228\ f(x) - 2000719)\ (f(x)\ x^{3} - 3\ f(x)\ x^{2} + 3\ f(x)\ x + 17\ x^{2} - f(x) + x)$$

Sequence: A051872
Score: 6.53190
Type of gen. func.: ogf

$$\{a(n + 3) - 3\ a(n + 2) + 3\ a(n + 1) - a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 20\}$$

Sequence: A051873
Score: 12.2115
Type of gen. func.: ogf

$$-\frac{x\ (18\ x + 1)}{(x - 1)^{3}}$$

Sequence: A051873
Score: 26.8153
Type of gen. func.: lgdogf

$$-\frac{3\ (7 + 12\ x)}{(18\ x + 1)\ (x - 1)}$$

Sequence: A051873
Score: 5.85343
Type of gen. func.: ogf

3 2 2

$$-(29963 f(x) - 186690) (f(x) x - 3 f(x) x + 3 f(x) x + 18 x - f(x) + x)$$

Sequence: A051873
Score: 6.32379
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 21\}$$

Sequence: A051874
Score: 12.2115
Type of gen. func.: ogf

$$-\frac{x (19 x + 1)}{(x - 1)^{3}}$$

Sequence: A051874
Score: 25.8222
Type of gen. func.: lgdogf

$$-\frac{2 (11 + 19 x)}{(19 x + 1) (x - 1)}$$

Sequence: A051874
Score: 5.75825
Type of gen. func.: ogf

$$-(513200 f(x) - 3368421) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 19 x^{2} - f(x) + x)$$

Sequence: A051874
Score: 6.32379
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 22\}$$

Sequence: A051875
Score: 12.2751
Type of gen. func.: ogf

$$-\frac{x\,(20\,x+1)}{(x-1)^3}$$

Sequence: A051875
Score: 28.0355
Type of gen. func.: lgdogf

$$-\frac{23+40\,x}{(20\,x+1)\,(x-1)}$$

Sequence: A051875
Score: 5.78824
Type of gen. func.: ogf

$$-(310905\,f(x)-2144153)\,(f(x)\,x^3-3\,f(x)\,x^2+3\,f(x)\,x+20\,x^2-f(x)+x)$$

Sequence: A051875
Score: 6.35673
Type of gen. func.: ogf

$$\{a(n+3)-3\,a(n+2)+3\,a(n+1)-a(n),\ a(0)=0,\ a(1)=1,\ a(2)=23\}$$

Sequence: A051876
Score: 12.4023
Type of gen. func.: ogf

$$-\frac{x\,(21\,x+1)}{(x-1)^3}$$

Sequence: A051876
Score: 28.3306
Type of gen. func.: lgdogf

$$-\frac{6\,(4+7\,x)}{(21\,x+1)\,(x-1)}$$

Sequence: A051876
Score: 5.84822
Type of gen. func.: ogf

$$-(746812 f(x) - 5399043) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 21 x^2 - f(x) + x)$$

Sequence: A051876
Score: 6.42261
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 24\}$$

Sequence: A051877
Score: 22.4923
Type of gen. func.: lgdogf

$$- \frac{6 (5 x + 2)}{(1 + 6 x) (x - 1)}$$

Sequence: A051877
Score: 5.15875
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-2 + 5 n) a(n + 2) + (-36 - 6 n) a(n + 1), a(0) = 1,$$

$$a(1) = 12, a(2) = 57\}$$

Sequence: A051877
Score: 9.86610
Type of gen. func.: ogf

$$\frac{1 + 6 x}{(x - 1)^6}$$

Sequence: A051878
Score: 22.6312
Type of gen. func.: lgdogf

$$13 + 35 x$$

```
                              - -----------------
                                (1 + 7 x) (x - 1)



------------------------------------------------------------------------------

Sequence:  A051878
Score: 3.63710
Type of gen. func.: ogf


{(n + 3) a(n + 3) + (-1 + 6 n) a(n + 2) + (-42 - 7 n) a(n + 1), a(0) = 1,

    a(1) = 13, a(2) = 63}



------------------------------------------------------------------------------

Sequence:  A051878
Score: 6.95596
Type of gen. func.: ogf


                                    1 + 7 x
                                    --------
                                           6
                                    (x - 1)



------------------------------------------------------------------------------

Sequence:  A051879
Score: 21.9925
Type of gen. func.: lgdogf


                                  2 (7 + 20 x)
                              - -----------------
                                (1 + 8 x) (x - 1)



------------------------------------------------------------------------------

Sequence:  A051879
Score: 3.88374
Type of gen. func.: ogf


{(n + 3) a(n + 3) + 7 n a(n + 2) + (-48 - 8 n) a(n + 1), a(0) = 1, a(1) = 14,

    a(2) = 69}



------------------------------------------------------------------------------

Sequence:  A051879
Score: 7.03928
Type of gen. func.: ogf


                                    1 + 8 x
                                    --------
                                           6
                                    (x - 1)
```

Sequence: A051880
Score: 10.0439
Type of gen. func.: ogf

$$\frac{1 + 9 x}{(x - 1)^{6}}$$

Sequence: A051880
Score: 22.1258
Type of gen. func.: lgdogf

$$- \frac{15 (1 + 3 x)}{(1 + 9 x) (x - 1)}$$

Sequence: A051880
Score: 5.25169
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (1 + 8 n) a(n + 2) + (-54 - 9 n) a(n + 1), a(0) = 1, a(1) = 15, a(2) = 75\}$$

Sequence: A051881
Score: 5.66453
Type of gen. func.: ogf

$$- (x^{51} + x^{49} + x^{48} + x^{37} - x^{35} + 2 x^{25} - 2 x^{23} - x^{15} - x^{12} - x^{11} - x^{3} - x - 1) / ((x - 1) (x + 1) (x^{48} - x^{12} - 1))$$

Sequence: A051885
Score: 7.14955
Type of gen. func.: ogf

$$\frac{x (x^{6} + x^{3} + 1) (x^{2} + x + 1)}{(x - 1) (10 x^{9} - 1)}$$

Sequence: A051890
Score: 12.4901
Type of gen. func.: ogf

$$-\frac{2\,(3\,x^2-2\,x+1)}{(x-1)^3}$$

Sequence: A051890
Score: 21.9584
Type of gen. func.: lgdogf

$$-\frac{3\,x^2+2\,x+1}{(x-1)\,(3\,x^2-2\,x+1)}$$

Sequence: A051890
Score: 6.80267
Type of gen. func.: ogf

$$\{a(n+3)-3\,a(n+2)+3\,a(n+1)-a(n),\ a(0)=2,\ a(1)=2,\ a(2)=6\}$$

Sequence: A051890
Score: 8.56067
Type of gen. func.: ogf

$$-f(x)\,x^3+3\,f(x)\,x^2-3\,f(x)\,x-6\,x^2+f(x)+4\,x-2$$

Sequence: A051893
Score: 4.38975
Type of gen. func.: ogf

$$\{(n^3+2\,n^2+2\,n)\,a(n)+(-n^3-6\,n^2-14\,n-10)\,a(n+1)+(n+2)\,a(n+2),$$
$$a(0)=1,\ a(1)=1\}$$

Sequence: A051895

Score: 12.6261
Type of gen. func.: ogf

$$\frac{x(5x+7)}{(x-1)^4}$$

Sequence: A051895
Score: 23.2168
Type of gen. func.: lgdogf

$$-\frac{3(11+5x)}{(5x+7)(x-1)}$$

Sequence: A051895
Score: 5.36405
Type of gen. func.: ogf

$$\{(14+7n)a(n+3)+(-35-2n)a(n+2)+(-15-5n)a(n+1),\ a(0)=0,$$
$$a(1)=7,\ a(2)=33\}$$

Sequence: A051895
Score: 5.82056
Type of gen. func.: ogf

$$(109119744 f(x)+569189983)$$
$$(f(x)x^4-4f(x)x^3+6f(x)x^2-4f(x)x-5x^2+f(x)-7x)$$

Sequence: A051916
Score: 6.56424
Type of gen. func.: lgdogf

$$\frac{18x^{10}+8x^9+4x^8-33x^6-32x^5-34x^4-32x^3-18x^2-10x-4}{(2x^4-1)(3x^7+2x^6+2x^5+2x^4+6x^3+5x^2+4x+3)}$$

Sequence: A051916
Score: 8.87897
Type of gen. func.: ogf

$$-\frac{3x^7+2x^6+2x^5+2x^4+6x^3+5x^2+4x+3}{2x^4-1}$$

Sequence: A051920
Score: 4.39707
Type of gen. func.: ogf

$$-2f(x)^2x^4+5x^3f(x)^2-4f(x)^2x^2-6f(x)x^3+f(x)^2x+11f(x)x^2$$
$$-6f(x)x-5x^2+f(x)+6x-2$$

Sequence: A051922
Score: 6.41237
Type of gen. func.: lgdogf

$$-\frac{6(5x+2)}{(1+5x)(x-1)}$$

Sequence: A051923
Score: 32.8870
Type of gen. func.: lgdogf

$$-\frac{3(3+4x)}{(2x+1)(x-1)}$$

Sequence: A051923
Score: 5.28624
Type of gen. func.: ogf

$\{(-n-3)a(n+3)+(7-n)a(n+2)+(14+2n)a(n+1), a(0)=1, a(1)=9,$

$a(2)=42\}$

Sequence: A051923
Score: 9.02819
Type of gen. func.: ogf

$$-\frac{2x+1}{(x-1)^7}$$

Sequence: A051924
Score: 14.7552
Type of gen. func.: revogf

$$-1-4x-2x^2+((4x^2+8x+1)(x+1)^2)^{1/2}$$

Sequence: A051924
Score: 3.51351
Type of gen. func.: ogf

$$\{(-8n^2-28n-24)\,a(n+1)+(-2n^2-18n-36)\,a(n+2)$$
$$+(n^2+7n+12)\,a(n+3),\ a(0)=1,\ a(1)=4,\ a(2)=14\}$$

Sequence: A051924
Score: 7.80781
Type of gen. func.: ogf

$$4f(x)^2x^2-f(x)^2x+8f(x)x-2f(x)+x+2$$

Sequence: A051925
Score: 10.7255
Type of gen. func.: ogf

$$-\frac{x^2(x-3)}{(x-1)^4}$$

Sequence: A051925
Score: 33.2992
Type of gen. func.: lgdogf

$$-\frac{-11+3x}{(x-1)(x-3)}$$

Sequence: A051925
Score: 4.96684
Type of gen. func.: ogf

$$\{(-3 - 3 n) a(n + 3) + (11 + 4 n) a(n + 2) + (-n - 2) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 3\}$$

Sequence: A051925
Score: 5.48192
Type of gen. func.: ogf

$$-(43 f(x) - 27) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + x^3 - 4 f(x) x - 3 x^2 + f(x))$$

Sequence: A051926
Score: 11.5438
Type of gen. func.: lgdogf

$$-\frac{x^4 - 4 x^3 + 4 x^2 + 7}{(x^2 - 2 x - 1) (x^3 - x^2 - 5 x + 1)}$$

Sequence: A051926
Score: 12.3996
Type of gen. func.: ogf

$$-\frac{x^2 - 2 x - 1}{x^3 - x^2 - 5 x + 1}$$

Sequence: A051926
Score: 6.40997
Type of gen. func.: ogf

$$-(124 f(x) + 23) (f(x) x^3 - f(x) x^2 - 5 f(x) x + x^2 + f(x) - 2 x - 1)$$

Sequence: A051926
Score: 6.69359
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 7, a(2) = 35\}$$

Sequence: A051927
Score: 11.1121
Type of gen. func.: lgdogf

$$-\frac{3 x^4 + 4 x^3 - 6 x^2 - 12 x - 1}{(x + 1) (x^2 + 2 x - 1) (3 x^2 + 2 x - 3)}$$

Sequence: A051927
Score: 11.1507
Type of gen. func.: ogf

$$\frac{3 x^2 + 2 x - 3}{(x + 1) (x^2 + 2 x - 1)}$$

Sequence: A051927
Score: 5.81362
Type of gen. func.: ogf

$$-(37 f(x) + 87) (f(x) x^3 + 3 f(x) x^2 + f(x) x - 3 x^2 - f(x) - 2 x + 3)$$

Sequence: A051927
Score: 6.07317
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 3 a(n + 1) - a(n), a(0) = 3, a(1) = 1, a(2) = 7\}$$

Sequence: A051928
Score: 12.2108
Type of gen. func.: ogf

2

$$\frac{5 x + 7 x - 4}{(x + 1) (x^2 + 3 x - 1)}$$

Sequence: A051928
Score: 6.15586
Type of gen. func.: ogf

$$-(4121 f(x) + 4261) (f(x) x^3 + 4 f(x) x^2 + 2 f(x) x - 5 x^2 - f(x) - 7 x + 4)$$

Sequence: A051928
Score: 6.59168
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 4 a(n + 1) - a(n), a(0) = 4, a(1) = 1, a(2) = 13\}$$

Sequence: A051928
Score: 7.75294
Type of gen. func.: lgdogf

$$- \frac{5 x^4 + 14 x^3 + 6 x^2 - 22 x - 1}{(x + 1) (5 x^2 + 7 x - 4) (x^2 + 3 x - 1)}$$

Sequence: A051929
Score: 11.9410
Type of gen. func.: ogf

$$\frac{7 x^2 + 14 x - 5}{(x + 1) (x^2 + 4 x - 1)}$$

Sequence: A051929
Score: 6.06837
Type of gen. func.: ogf

$$-(6455 f(x) + 4617) (f(x) x^3 + 5 f(x) x^2 + 3 f(x) x - 7 x^2 - f(x) - 14 x + 5)$$

Sequence: A051929
Score: 6.55170
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) - 5\,a(n+1) - a(n),\ a(0) = 5,\ a(1) = 1,\ a(2) = 21\}$$

Sequence: A051929
Score: 9.60555
Type of gen. func.: lgdogf

$$-\frac{7\,x^{4} + 28\,x^{3} + 34\,x^{2} - 36\,x - 1}{(x+1)\,(7\,x^{2} + 14\,x - 5)\,(x^{2} + 4\,x - 1)}$$

Sequence: A051930
Score: 12.1996
Type of gen. func.: ogf

$$\frac{9\,x^{2} + 23\,x - 6}{(x+1)\,(x^{2} + 5\,x - 1)}$$

Sequence: A051930
Score: 6.05101
Type of gen. func.: ogf

$-(110171\,f(x) + 61839)$

$$(f(x)\,x^{3} + 6\,f(x)\,x^{2} + 4\,f(x)\,x - 9\,x^{2} - f(x) - 23\,x + 6)$$

Sequence: A051930
Score: 6.69359
Type of gen. func.: ogf

$$\{a(n+3) - 4\,a(n+2) - 6\,a(n+1) - a(n),\ a(0) = 6,\ a(1) = 1,\ a(2) = 31\}$$

Sequence: A051930
Score: 8.79528

Type of gen. func.: lgdogf

$$-\frac{9x^4+46x^3+84x^2-54x-1}{(x+1)(9x^2+23x-6)(x^2+5x-1)}$$

Sequence: A051931
Score: 11.8452
Type of gen. func.: ogf

$$\frac{11x^2+34x-7}{(x+1)(x^2+6x-1)}$$

Sequence: A051931
Score: 6.11678
Type of gen. func.: ogf

$$-(1837 f(x) + 857) (f(x) x^3 + 7 f(x) x^2 + 5 f(x) x - 11 x^2 - f(x) - 34 x + 7)$$

Sequence: A051931
Score: 6.60396
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) - 7 a(n + 1) - a(n), a(0) = 7, a(1) = 1, a(2) = 43\}$$

Sequence: A051931
Score: 9.08743
Type of gen. func.: lgdogf

$$-\frac{11x^4+68x^3+162x^2-76x-1}{(x+1)(x^2+6x-1)(11x^2+34x-7)}$$

Sequence: A051932
Score: 11.4319
Type of gen. func.: ogf

$$\frac{13 x^2 + 47 x - 8}{(x + 1) (x^2 + 7 x - 1)}$$

Sequence: A051932
Score: 5.62666
Type of gen. func.: ogf

$$-(1029101 f(x) + 412521)$$

$$(f(x) x^3 + 8 f(x) x^2 + 6 f(x) x - 13 x^2 - f(x) - 47 x + 8)$$

Sequence: A051932
Score: 6.37356
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) - 8 a(n + 1) - a(n), a(0) = 8, a(1) = 1, a(2) = 57\}$$

Sequence: A051932
Score: 8.54007
Type of gen. func.: lgdogf

$$-\frac{13 x^4 + 94 x^3 + 274 x^2 - 102 x - 1}{(x + 1) (13 x^2 + 47 x - 8) (x^2 + 7 x - 1)}$$

Sequence: A051936
Score: 13.1491
Type of gen. func.: ogf

$$\frac{3 x^2 - 3 x - 1}{(x - 1)^3}$$

Sequence: A051936
Score: 25.3666
Type of gen. func.: lgdogf

2

$$-\frac{3\,(x - 2)}{(x - 1)\,(3\,x^{2} - 3\,x - 1)}$$

Sequence: A051936
Score: 7.09816
Type of gen. func.: ogf

$$(4\,f(x) - 139)\,(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x - 3\,x^{2} - f(x) + 3\,x + 1)$$

Sequence: A051936
Score: 7.09817
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 1,\ a(1) = 6,\ a(2) = 12\}$$

Sequence: A051937
Score: 11.5171
Type of gen. func.: ogf

$$-\frac{3\,x^{2} - 3\,x - 1}{(x - 1)^{4}}$$

Sequence: A051937
Score: 22.2727
Type of gen. func.: lgdogf

$$-\frac{6\,x^{2} - 3\,x - 7}{(x - 1)\,(3\,x^{2} - 3\,x - 1)}$$

Sequence: A051937
Score: 3.99337
Type of gen. func.: ogf

$$\{(-n - 4)\,a(n + 4) + (1 - 2\,n)\,a(n + 3) + (15 + 6\,n)\,a(n + 2)$$
$$+ (-9 - 3\,n)\,a(n + 1),\ a(0) = 1,\ a(1) = 7,\ a(2) = 19,\ a(3) = 38\}$$

Sequence: A051937
Score: 5.97504
Type of gen. func.: ogf

$$(42 f(x) + 4609)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + 3 x^2 + f(x) - 3 x - 1)$$

Sequence: A051938
Score: 13.4713
Type of gen. func.: ogf

$$\frac{3 x^2 - x - 3}{(x - 1)^3}$$

Sequence: A051938
Score: 23.7066
Type of gen. func.: lgdogf

$$- \frac{3 x^2 + 4 x - 10}{(x - 1) (3 x^2 - x - 3)}$$

Sequence: A051938
Score: 6.90548
Type of gen. func.: ogf

$$-(43 f(x) - 3801) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 3 x^2 - f(x) + x + 3)$$

Sequence: A051938
Score: 7.20835
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3, a(1) = 10, a(2) = 18\}$$

Sequence: A051939
Score: 11.3926
Type of gen. func.: ogf

$$- \frac{3 x^2 - x - 3}{(x - 1)^4}$$

Sequence: A051939
Score: 22.6778
Type of gen. func.: lgdogf

$$- \frac{6 x^2 + 3 x - 13}{(x - 1) (3 x^2 - x - 3)}$$

Sequence: A051939
Score: 3.91090
Type of gen. func.: ogf

$$\{(-3 n - 12) a(n + 4) + (19 + 2 n) a(n + 3) + (5 + 4 n) a(n + 2) + (-9 - 3 n) a(n + 1), a(0) = 3, a(1) = 13, a(2) = 31, a(3) = 58\}$$

Sequence: A051939
Score: 5.73789
Type of gen. func.: ogf

$$(1970 f(x) + 767991) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + 3 x^2 + f(x) - x - 3)$$

Sequence: A051940
Score: 13.2752
Type of gen. func.: ogf

$$\frac{2 x^2 + 3 x - 6}{(x - 1)^3}$$

Sequence: A051940
Score: 21.4632
Type of gen. func.: lgdogf

$$-\frac{2x^2+10x-15}{(x-1)(2x^2+3x-6)}$$

Sequence: A051940
Score: 7.04164
Type of gen. func.: ogf

$$(27f(x)-4837)(f(x)x^3-3f(x)x^2+3f(x)x-2x^2-f(x)-3x+6)$$

Sequence: A051940
Score: 7.10340
Type of gen. func.: ogf

$$\{a(n+3)-3a(n+2)+3a(n+1)-a(n),\ a(0)=6,\ a(1)=15,\ a(2)=25\}$$

Sequence: A051941
Score: 11.1588
Type of gen. func.: ogf

$$-\frac{2x^2+3x-6}{(x-1)^4}$$

Sequence: A051941
Score: 20.4057
Type of gen. func.: lgdogf

$$-\frac{4x^2+13x-21}{(x-1)(2x^2+3x-6)}$$

Sequence: A051941
Score: 3.81168

Type of gen. func.: ogf

$$\{(-6 n - 24) a(n + 4) + (48 + 9 n) a(n + 3) + (-15 - n) a(n + 2)$$
$$+ (-6 - 2 n) a(n + 1), a(0) = 6, a(1) = 21, a(2) = 46, a(3) = 82\}$$

Sequence: A051941
Score: 5.66147
Type of gen. func.: ogf

$$(929 f(x) + 941852)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + 2 x^2 + f(x) + 3 x - 6)$$

Sequence: A051942
Score: 13.8944
Type of gen. func.: ogf

$$\frac{x (9 x - 10)}{(x - 1)^3}$$

Sequence: A051942
Score: 30.5438
Type of gen. func.: lgdogf

$$- \frac{3 (-7 + 6 x)}{(x - 1) (9 x - 10)}$$

Sequence: A051942
Score: 6.88784
Type of gen. func.: ogf

$$-(49 f(x) - 15873) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 9 x^2 - f(x) + 10 x)$$

Sequence: A051942
Score: 7.13165
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 10, a(2) = 21\}$$

Sequence: A051943
Score: 11.6094
Type of gen. func.: ogf

$$-\frac{x (9 x - 10)}{(x - 1)^4}$$

Sequence: A051943
Score: 29.0388
Type of gen. func.: lgdogf

$$-\frac{-31 + 27 x}{(x - 1) (9 x - 10)}$$

Sequence: A051943
Score: 4.91168
Type of gen. func.: ogf

$$\{(-10 n - 20) a(n + 3) + (50 + 19 n) a(n + 2) + (-27 - 9 n) a(n + 1), a(0) = 0, a(1) = 10, a(2) = 31\}$$

Sequence: A051943
Score: 5.67572
Type of gen. func.: ogf

$$(2710 f(x) + 6172839) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + 9 x^2 + f(x) - 10 x)$$

Sequence: A051944
Score: 8.52466
Type of gen. func.: revogf

$$- 3/8 - \frac{3 x}{2} - \frac{x^2}{2} + \frac{((4 x^2 + 12 x + 1) (3 + 2 x)^2)^{1/2}}{8}$$

Sequence: A051944
Score: 9.25776
Type of gen. func.: ogf

$$-4 f(x)^2 x^2 + f(x)^2 x - 12 f(x) x + 3 f(x) - 4 x - 3$$

Sequence: A051945
Score: 8.96123
Type of gen. func.: revogf

$$- 2/9 - \frac{8 x}{9} - \frac{2 x^2}{9} + \frac{((4 x^2 + 16 x + 1) (x + 2)^2)^{1/2}}{9}$$

Sequence: A051945
Score: 9.37696
Type of gen. func.: ogf

$$4 f(x)^2 x^2 - f(x)^2 x + 16 f(x) x - 4 f(x) + 9 x + 4$$

Sequence: A051946
Score: 27.9012
Type of gen. func.: lgdogf

$$- \frac{11 + 24 x}{(1 + 4 x) (x - 1)}$$

Sequence: A051946
Score: 4.46643
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-5 + 3 n) a(n + 2) + (-28 - 4 n) a(n + 1), a(0) = 1,$$

$$a(1) = 11, a(2) = 56\}$$

Sequence: A051946
Score: 7.67825
Type of gen. func.: ogf

$$1 + 4 x$$

$$-\frac{}{(x - 1)^{7}}$$

Sequence: A051947
Score: 32.0311
Type of gen. func.: lgdogf

$$-\frac{2\,(5 + 9\,x)}{(1 + 3\,x)\,(x - 1)}$$

Sequence: A051947
Score: 5.11668
Type of gen. func.: ogf

$$\{(n + 3)\,a(n + 3) + (-6 + 2\,n)\,a(n + 2) + (-21 - 3\,n)\,a(n + 1),\ a(0) = 1,\ a(1) = 10,\ a(2) = 49\}$$

Sequence: A051947
Score: 8.79609
Type of gen. func.: ogf

$$-\frac{1 + 3\,x}{(x - 1)^{7}}$$

Sequence: A051958
Score: 10.0974
Type of gen. func.: ogf

$$-24\,f(x)\,x^{2} - 2\,f(x)\,x + f(x) - x$$

Sequence: A051958
Score: 15.9433
Type of gen. func.: ogf

$$-\frac{x}{(1 + 4\,x)\,(6\,x - 1)}$$

Sequence: A051958
Score: 16.1235
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (100 x^2 + 4 x + 1)^{1/2}}{48 x}$$

Sequence: A051958
Score: 22.0952
Type of gen. func.: lgdogf

$$- \frac{2 (1 + 24 x)}{(1 + 4 x) (6 x - 1)}$$

Sequence: A051958
Score: 7.38834
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 24 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A051959
Score: 4.2261
Type of gen. func.: ogf

$$(1402373 f(x) + 1774075) (f(x) x^4 - 4 f(x) x^2 + 4 f(x) x - f(x) + 6 x + 1)$$

Sequence: A051959
Score: 9.16983
Type of gen. func.: ogf

$$- \frac{1 + 6 x}{(x^2 + 2 x - 1) (x - 1)^2}$$

Sequence: A051959
Score: 9.86373
Type of gen. func.: lgdogf

$$-\frac{2\,(9\,x^3+11\,x^2-x-5)}{(x-1)\,(1+6\,x)\,(x^2+2\,x-1)}$$

Sequence: A051960
Score: 15.4930
Type of gen. func.: revogf

$$-1-2\,x-2\,x^2+((x^2+x+1)\,(2\,x+1)^2)^{1/2}$$

Sequence: A051960
Score: 4.16313
Type of gen. func.: ogf

$$\{(-4\,n^2-14\,n-12)\,a(n+1)+(5\,n^2+30\,n+45)\,a(n+2)$$
$$+(-n^2-7\,n-12)\,a(n+3),\ a(0)=2,\ a(1)=5,\ a(2)=16\}$$

Sequence: A051960
Score: 9.25139
Type of gen. func.: ogf

$$4\,f(x)^2\,x^2-f(x)^2\,x+4\,f(x)\,x-f(x)+x+2$$

Sequence: A052036
Score: 7.07354
Type of gen. func.: ogf

$$-\frac{x^{10}\,(2\,x^{10}+3\,x^9+4\,x^8+5\,x^7+6\,x^6+7\,x^5+8\,x^4+9\,x^3+10\,x^2+1)}{(x-1)\,(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A052101
Score: 11.3153
Type of gen. func.: ogf

$$(x-1)^2$$

$$- \frac{\quad}{3 x^3 - 3 x^2 + 3 x - 1}$$

Sequence: A052101
Score: 14.3935
Type of gen. func.: lgdogf

$$- \frac{3 x^3 - 9 x^2 + 3 x - 1}{(x - 1) (3 x^3 - 3 x^2 + 3 x - 1)}$$

Sequence: A052101
Score: 6.16279
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A052101
Score: 6.2183
Type of gen. func.: ogf

$$(9 f(x) - 8) (3 f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) - 2 x + 1)$$

Sequence: A052102
Score: 12.7077
Type of gen. func.: ogf

$$\frac{x (x - 1)}{3 x^3 - 3 x^2 + 3 x - 1}$$

Sequence: A052102
Score: 14.5703
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^3 - 6 x^2 + 3 x - 1)}{(x - 1) (3 x^3 - 3 x^2 + 3 x - 1)}$$

Sequence: A052102
Score: 6.52557
Type of gen. func.: ogf

$$-(2 f(x) + 1) (3 f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + x)$$

Sequence: A052102
Score: 6.52559
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + 3 a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A052103
Score: 17.3287
Type of gen. func.: ogf

$$-\frac{x^2}{3 x^3 - 3 x^2 + 3 x - 1}$$

Sequence: A052103
Score: 19.0147
Type of gen. func.: lgdogf

$$-\frac{3 (3 x^2 - 2 x + 1)}{3 x^3 - 3 x^2 + 3 x - 1}$$

Sequence: A052103
Score: 6.45888
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - 3 a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A052103
Score: 8.77131
Type of gen. func.: ogf

```
                          3           2               2
                  3 f(x) x  - 3 f(x) x  + 3 f(x) x + x  - f(x)


------------------------------------------------------------------------------

Sequence:  A052124
Score: 32.7768
Type of gen. func.: lgdegf]

                            -1 - 2 x + (1 - x) f(x)


------------------------------------------------------------------------------

Sequence:  A052124
Score: 4.24768
Type of gen. func.: ogf


{(2 n + 4) a(n + 1) + (n + 3) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 1, a(2) = 4

    }


------------------------------------------------------------------------------

Sequence:  A052127
Score: 3.95945
Type of gen. func.: ogf


     3       2                           2
{(2 n  + 14 n  + 32 n + 24) a(n + 1) + (n  + 6 n + 9) a(n + 2) - a(n + 3),

    a(0) = 1, a(1) = 1, a(2) = 8}


------------------------------------------------------------------------------

Sequence:  A052140
Score: 3.58937
Type of gen. func.: ogf


      3        2                                2
{(16 n  + 112 n  + 256 n + 192) a(n + 1) + (-4 n  - 28 n - 48) a(n + 2)

     + a(n + 3), a(0) = 1, a(1) = 8, a(2) = 160}


------------------------------------------------------------------------------

Sequence:  A052141
Score: 3.00967
Type of gen. func.: ogf


      2                    2
{(-8 n  - 8 n) a(n) + (36 n  + 84 n + 48) a(n + 1)

             2                               2
     + (-38 n  - 166 n - 180) a(n + 2) + (3 n  + 15 n + 18) a(n + 3), a(0) = 1,
```

$a(1) = 3, a(2) = 26\}$

Sequence: A052141
Score: 6.08904
Type of gen. func.: ogf

$$4 f(x)^2 x^2 - 12 f(x)^2 x - 4 f(x) x^2 + f(x)^2 + 12 f(x) x + x^2 - f(x) - 3 x$$

Sequence: A052142
Score: 14.1766
Type of gen. func.: lgdegf]

$$-1 + 4 x - 4 x^2 + (-64 x^3 + 48 x^2 - 12 x + 1) f(x)^2$$

Sequence: A052143
Score: 32.5547
Type of gen. func.: lgdegf]

$$-3 + 4 x + (1 - 4 x) f(x)$$

Sequence: A052143
Score: 4.63310
Type of gen. func.: ogf

$$\{(4 n + 8) a(n + 1) + (-4 n - 11) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 3,$$
$$a(2) = 17\}$$

Sequence: A052145
Score: 2.76877
Type of gen. func.: ogf

$$\{(8 n^4 + 68 n^3 + 216 n^2 + 304 n + 160) a(n + 1)$$
$$+ (4 n^4 + 54 n^3 + 272 n^2 + 612 n + 522) a(n + 2)$$
$$+ (-n^2 - 7 n - 12) a(n + 3), a(0) = 1, a(1) = 9, a(2) = 200\}$$

Sequence: A052149
Score: 10.1587
Type of gen. func.: ogf

$$-\frac{2 x (x + 2)}{(x - 1)^5}$$

Sequence: A052149
Score: 35.7653
Type of gen. func.: lgdogf

$$-\frac{4 x + 11}{(x + 2) (x - 1)}$$

Sequence: A052149
Score: 5.04572
Type of gen. func.: ogf

{(2 n + 4) a(n + 3) + (-n - 12) a(n + 2) + (-n - 4) a(n + 1), a(0) = 0,

a(1) = 4, a(2) = 22}

Sequence: A052150
Score: 12.3706
Type of gen. func.: ogf

$$\frac{1}{(3 x - 1) (x - 1)^3}$$

Sequence: A052150
Score: 24.7210
Type of gen. func.: lgdogf

$$-\frac{6 (2 x - 1)}{(3 x - 1) (x - 1)}$$

Sequence: A052150
Score: 4.12353

Type of gen. func.: ogf

$$\{(-n - 3) a(n + 3) + (14 + 4 n) a(n + 2) + (-3 n - 15) a(n + 1), a(0) = 1, a(1) = 6, a(2) = 24\}$$

Sequence: A052150
Score: 4.96771
Type of gen. func.: ogf

$$(26449 f(x) + 13149) (3 f(x) x^4 - 10 f(x) x^3 + 12 f(x) x^2 - 6 f(x) x + f(x) - 1)$$

Sequence: A052153
Score: 10.4786
Type of gen. func.: ogf

$$-\frac{4 x^2 - 5 x - 1}{(x - 1)^4}$$

Sequence: A052153
Score: 5.20159
Type of gen. func.: ogf

$$(25216 f(x) + 1290283) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + 4 x^2 + f(x) - 5 x - 1)$$

Sequence: A052156
Score: 14.8679
Type of gen. func.: ogf

$$-\frac{(x - 1)^2}{3 x - 1}$$

Sequence: A052156
Score: 31.2320
Type of gen. func.: lgdogf

$$\frac{1 + 3 x}{(3 x - 1) (x - 1)}$$

Sequence: A052156
Score: 7.96495
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2), a(0) = 1, a(1) = 1, a(2) = 4\}$$

Sequence: A052156
Score: 8.46905
Type of gen. func.: ogf

$$-(f(x) - 1) (3 f(x) x + x^2 - f(x) - 2 x + 1)$$

Sequence: A052161
Score: 18.7233
Type of gen. func.: lgdogf

$$- \frac{-7 + 16 x}{(4 x - 1) (x - 1)}$$

Sequence: A052161
Score: 3.01531
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 3) + (17 + 5 n) a(n + 2) + (-20 - 4 n) a(n + 1), a(0) = 1,$$

$$a(1) = 7, a(2) = 34\}$$

Sequence: A052161
Score: 3.60424
Type of gen. func.: ogf

$$(243535 f(x) + 92416)$$

$$(4 f(x) x^4 - 13 f(x) x^3 + 15 f(x) x^2 - 7 f(x) x + f(x) - 1)$$

Sequence: A052161
Score: 9.04592
Type of gen. func.: ogf

$$\frac{1}{(4x-1)(x-1)^3}$$

Sequence: A052169
Score: 3.16004
Type of gen. func.: ogf

$$\{(-n^2-4n-4)a(n+1)+(-2n^2-12n-18)a(n+2)+(-n^2-7n-14)a(n+3)+(n+4)a(n+4),\ a(0)=1,\ a(1)=2,\ a(2)=5,\ a(3)=19\}$$

Sequence: A052177
Score: 6.98679
Type of gen. func.: ogf

$$x^3 f(x)^2 - 14 f(x) x^2 + 8 f(x) x - f(x) + x$$

Sequence: A052177
Score: 8.11872
Type of gen. func.: lgdogf

$$-\frac{2((6x-1)^{1/2}(2x-1)^{1/2}+1)}{(6x-1)^{1/2}(2x-1)^{1/2}x}$$

Sequence: A052181
Score: 19.4497
Type of gen. func.: lgdogf

$$-\frac{12(2x+1)}{(1+3x)(x-1)}$$

Sequence: A052181
Score: 3.26114
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-8 + 2 n) a(n + 2) + (-27 - 3 n) a(n + 1), a(0) = 1, a(1) = 12, a(2) = 72\}$$

Sequence: A052181
Score: 4.57756
Type of gen. func.: ogf

$$-\frac{1 + 3 x}{(x - 1)^{9}}$$

Sequence: A052183
Score: 3.07691
Type of gen. func.: ogf

$$\{(135 n^{2} + 405 n + 300) a(n + 1) + (-47 n^{2} - 232 n - 285) a(n + 2) + (4 n^{2} + 26 n + 42) a(n + 3), a(0) = 2, a(1) = 3, a(2) = 12\}$$

Sequence: A052183
Score: 6.72627
Type of gen. func.: ogf

$$27 f(x)^{3} x^{2} - 4 f(x)^{3} x - 60 f(x) x + 9 f(x) + 125 x - 18$$

Sequence: A052203
Score: 4.46794
Type of gen. func.: ogf

$$\{(256 n^{3} + 1408 n^{2} + 2544 n + 1512) a(n + 1) + (-27 n^{3} - 162 n^{2} - 321 n - 210) a(n + 2), a(0) = 1, a(1) = 5\}$$

Sequence: A052206
Score: 21.8616
Type of gen. func.: lgdogf

$$-\frac{8\ (2 + 7\ x)}{(1 + 8\ x)\ (x - 1)}$$

Sequence: A052206
Score: 3.49060
Type of gen. func.: ogf

$$\{(n + 3)\ a(n + 3) + (-2 + 7\ n)\ a(n + 2) + (-64 - 8\ n)\ a(n + 1),\ a(0) = 1,$$

$$a(1) = 16,\ a(2) = 100\}$$

Sequence: A052206
Score: 5.48523
Type of gen. func.: ogf

$$\frac{1 + 8\ x}{(x - 1)^{8}}$$

Sequence: A052208
Score: 10.0886
Type of gen. func.: ogf

$$\frac{(x^{2} + 1)\ x}{(x^{2} + 14\ x - 1)\ (x^{2} - 2\ x - 1)}$$

Sequence: A052208
Score: 4.86541
Type of gen. func.: ogf

$$-(159500\ f(x) - 13331)$$

$$(f(x)\ x^{4} + 12\ f(x)\ x^{3} - 30\ f(x)\ x^{2} - x^{3} - 12\ f(x)\ x + f(x) - x)$$

Sequence: A052208
Score: 9.95640

Type of gen. func.: lgdogf

$$-\frac{2\,(x^5 + 6\,x^4 + 2\,x^3 + 24\,x^2 - 31\,x - 6)}{(x^2 + 1)\,(x^2 + 14\,x - 1)\,(x^2 - 2\,x - 1)}$$

Sequence: A052209
Score: 3.28146
Type of gen. func.: ogf

$-(178393575825\,f(x) - 524879788)$

$$(f(x)\,x^4 - 56\,f(x)\,x^3 + 210\,f(x)\,x^2 - 56\,f(x)\,x + 4\,x^2 + f(x) - 4)$$

Sequence: A052209
Score: 6.50968
Type of gen. func.: lgdogf

$$-\frac{2\,(x^5 - 28\,x^4 - 2\,x^3 + 112\,x^2 - 211\,x + 28)}{(x - 1)\,(x + 1)\,(x^2 - 4\,x + 1)\,(x^2 - 52\,x + 1)}$$

Sequence: A052209
Score: 7.22872
Type of gen. func.: ogf

$$-\frac{4\,(x - 1)\,(x + 1)}{(x^2 - 4\,x + 1)\,(x^2 - 52\,x + 1)}$$

Sequence: A052226
Score: 21.3251
Type of gen. func.: lgdogf

$$-\frac{15 + 49\,x}{(1 + 7\,x)\,(x - 1)}$$

Sequence: A052226
Score: 3.42926

Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-3 + 6 n) a(n + 2) + (-56 - 7 n) a(n + 1), a(0) = 1,$$
$$a(1) = 15, a(2) = 92\}$$

Sequence: A052226
Score: 5.35385
Type of gen. func.: ogf

$$\frac{1 + 7 x}{(x - 1)^{8}}$$

Sequence: A052227
Score: 6.56896
Type of gen. func.: ogf

$$27 f(x)^{3} x^{2} - 4 f(x)^{3} x - 15 f(x) x + 4 f(x) - x - 4$$

Sequence: A052244
Score: 15.9548
Type of gen. func.: lgdogf

$$- \frac{4 (-2 + 5 x)}{(5 x - 1) (x - 1)}$$

Sequence: A052244
Score: 5.90919
Type of gen. func.: ogf

$$(207901 f(x) + 63625)$$
$$(5 f(x) x^{4} - 16 f(x) x^{3} + 18 f(x) x^{2} - 8 f(x) x + f(x) - 1)$$

Sequence: A052244
Score: 8.04771
Type of gen. func.: ogf

$$\frac{1}{}$$

$$(5 x - 1) (x - 1)^3$$

Sequence: A052245
Score: 14.2150
Type of gen. func.: ogf

$$- \frac{10 x}{(x - 1) (10 x - 1)^2}$$

Sequence: A052245
Score: 18.4683
Type of gen. func.: lgdogf

$$- \frac{3 (-7 + 10 x)}{(10 x - 1) (x - 1)}$$

Sequence: A052245
Score: 6.09216
Type of gen. func.: ogf

$\{a(n + 3) - 21 a(n + 2) + 120 a(n + 1) - 100 a(n), a(0) = 0, a(1) = 10,$

$a(2) = 210\}$

Sequence: A052245
Score: 6.77539
Type of gen. func.: ogf

$$(21 f(x) + 10) (100 f(x) x^3 - 120 f(x) x^2 + 21 f(x) x - f(x) + 10 x)$$

Sequence: A052254
Score: 21.8616
Type of gen. func.: lgdogf

$$- \frac{17 + 63 x}{(1 + 9 x) (x - 1)}$$

Sequence: A052254
Score: 3.49060
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-1 + 8 n) a(n + 2) + (-72 - 9 n) a(n + 1), a(0) = 1,

a(1) = 17, a(2) = 108}

Sequence: A052254
Score: 5.48523
Type of gen. func.: ogf

$$\frac{1 + 9 x}{(x - 1)^{8}}$$

Sequence: A052255
Score: 20.6573
Type of gen. func.: lgdogf

$$- \frac{13 + 32 x}{(1 + 4 x) (x - 1)}$$

Sequence: A052255
Score: 3.32345
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-7 + 3 n) a(n + 2) + (-36 - 4 n) a(n + 1), a(0) = 1,

a(1) = 13, a(2) = 81}

Sequence: A052255
Score: 4.66503
Type of gen. func.: ogf

$$- \frac{1 + 4 x}{(x - 1)^{9}}$$

Sequence: A052262
Score: 10.1611
Type of gen. func.: lgdogf

$$-\frac{-13 + 40 x}{(10 x - 1) (x - 1)}$$

Sequence: A052262
Score: 13.4418
Type of gen. func.: ogf

$$\frac{x}{(10 x - 1) (x - 1)^{3}}$$

Sequence: A052262
Score: 4.62609
Type of gen. func.: ogf

{(n + 2) a(n + 3) + (-24 - 11 n) a(n + 2) + (40 + 10 n) a(n + 1), a(0) = 0,

a(1) = 1, a(2) = 13}

Sequence: A052262
Score: 5.39711
Type of gen. func.: ogf

$$(2260631 f(x) + 222300)$$

$$(10 f(x) x^{4} - 31 f(x) x^{3} + 33 f(x) x^{2} - 13 f(x) x + f(x) - x)$$

Sequence: A052267
Score: 15.4530
Type of gen. func.: lgdogf

$$-\frac{6 (5 x^{3} + 3 x^{2} + 3 x + 1)}{(x - 1) (x + 1) (3 x^{2} + 1)}$$

Sequence: A052267
Score: 6.21182
Type of gen. func.: ogf

$$-\frac{3 x^2 + 1}{(x + 1)^3 (x - 1)^9}$$

Sequence: A052268
Score: 10.2322
Type of gen. func.: ogf

$$-10 f(x) x + f(x) - 9$$

Sequence: A052268
Score: 12.7494
Type of gen. func.: revogf

$$1/2 + 5 x - \frac{(100 x^2 + 16 x + 1)^{1/2}}{2}$$

Sequence: A052268
Score: 16.5289
Type of gen. func.: ogf

$$-\frac{9}{10 x - 1}$$

Sequence: A052268
Score: 27.0926
Type of gen. func.: lgdogf

$$\frac{9}{(10 x - 1) (x - 1)}$$

Sequence: A052268
Score: 8.10851
Type of gen. func.: ogf

$$\{a(n + 1) - 10 a(n), a(0) = 9\}$$

Sequence: A052276
Score: 5.50684
Type of gen. func.: ogf

$$\frac{5 x^{7} - 8 x^{6} - 9 x^{5} + 19 x^{4} + 3 x^{3} - 8 x^{2} + x + 3}{(x + 1)^{3} (x - 1)^{4}}$$

Sequence: A052276
Score: 7.60821
Type of gen. func.: lgdogf

$$\frac{3 x^{7} - 9 x^{6} + 14 x^{4} - 39 x^{3} - 7 x^{2} - 6 x - 4}{(x - 1) (x + 1) (5 x^{7} - 8 x^{6} - 9 x^{5} + 19 x^{4} + 3 x^{3} - 8 x^{2} + x + 3)}$$

Sequence: A052282
Score: 19.5258
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{11} + x^{3} + 2 x^{2} + 2 x + 1$$

Sequence: A052282
Score: 6.59653
Type of gen. func.: ogf

$$- \frac{(x^{2} - x + 1) (x^{4} - x^{2} + 1)}{(x^{2} + x + 1) (x + 1)^{2} (x - 1)^{5}}$$

Sequence: A052282
Score: 8.25593
Type of gen. func.: lgdogf

$$- \frac{3 x^{9} + x^{8} + 2 x^{7} + 6 x^{6} + 7 x^{5} - 5 x^{4} + 4 x^{3} + 6 x^{2} + 5 x + 1}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1)}$$

Sequence: A052341
Score: 7.06267
Type of gen. func.: lgdogf

$$-\frac{x^8 + 8x^7 + 26x^6 + 36x^5 + 31x^4 + 24x^3 + 18x^2 + 8x + 1}{(x + 1)(x^2 + x + 1)(x^4 + 4x^3 + 7x^2 + 4x + 1)(x^2 - x - 1)}$$

Sequence: A052341
Score: 7.32117
Type of gen. func.: ogf

$$-\frac{x^4 + 4x^3 + 7x^2 + 4x + 1}{(x + 1)(x^2 + x + 1)(x^2 - x - 1)}$$

Sequence: A052379
Score: 14.6486
Type of gen. func.: revogf

$$-\frac{-8 - 9x + (49x^2 + 144x + 64)^{1/2}}{16x}$$

Sequence: A052379
Score: 18.1128
Type of gen. func.: ogf

$$\frac{8}{(8x - 1)(x - 1)}$$

Sequence: A052379
Score: 24.4143
Type of gen. func.: lgdogf

$$-\frac{-9 + 16x}{(8x - 1)(x - 1)}$$

Sequence: A052379
Score: 7.20146
Type of gen. func.: ogf

$$\{-a(n + 2) + 9 a(n + 1) - 8 a(n), a(0) = 8, a(1) = 72\}$$

Sequence: A052379
Score: 8.84361
Type of gen. func.: ogf

$$(65 f(x) + 128) (8 f(x) x^2 - 9 f(x) x + f(x) - 8)$$

Sequence: A052380
Score: 21.0987
Type of gen. func.: ogf

$$\frac{6}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A052380
Score: 30.3004
Type of gen. func.: lgdogf

$$-\frac{4 x^2 + x + 1}{(x - 1) (x^2 + x + 1)}$$

Sequence: A052380
Score: 34.4708
Type of gen. func.: ogf_with_Euler_transform]

$$[x^2 + 1]$$

Sequence: A052380
Score: 6.92038
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 3) + a(n + 1) - a(n), a(0) = 6, a(1) = 6, a(2) = 6,$$

a(3) = 12}

Sequence: A052380
Score: 9.10577
Type of gen. func.: ogf

$$-f(x) (f(x) x^4 - f(x) x^3 - f(x) x + f(x) - 6)$$

Sequence: A052382
Score: 43.7631
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9 + x^8 + 2$$

Sequence: A052383
Score: 7.15059
Type of gen. func.: ogf

$$-\frac{x (10 x^{17} - 11 x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 2)}{(x^6 + x^3 + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A052386
Score: 11.8736
Type of gen. func.: ogf

$$-9 f(x) x^2 + 10 f(x) x - f(x) + 9 x$$

Sequence: A052386
Score: 15.2888
Type of gen. func.: revogf

$$-\frac{-9 - 10 x + (16 x + 9)^{1/2} (4 x + 9)^{1/2}}{18 x}$$

Sequence: A052386
Score: 18.7478
Type of gen. func.: ogf

$$\frac{9 x}{(x - 1) (9 x - 1)}$$

Sequence: A052386
Score: 29.3035
Type of gen. func.: lgdogf

$$- \frac{2 (9 x - 5)}{(9 x - 1) (x - 1)}$$

Sequence: A052386
Score: 8.68802
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 9 a(n), a(0) = 0, a(1) = 9\}$$

Sequence: A052387
Score: 16.4655
Type of gen. func.: lgdogf

$$- \frac{5 x^3 - 3 x^2 - 2 x - 8}{(x - 1) (x^3 - x^2 - 1)}$$

Sequence: A052387
Score: 5.93144
Type of gen. func.: ogf

$$- \frac{x (x^3 - x^2 - 1)}{(x - 1)^8}$$

Sequence: A052392
Score: 3.57831
Type of gen. func.: ogf

$$4 x^3 f(x)^2 - 8 f(x)^2 x^2 - 4 f(x) x^3 + f(x)^2 x + 12 f(x) x^2 - 9 f(x) x - x^2 + f(x) + 2 x - 1$$

Sequence: A052404
Score: 6.67033
Type of gen. func.: ogf

$$- \frac{x (10 x^{26} - 10 x^{17} - x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - 2 x - 1)}{(x^6 + x^3 + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A052421
Score: 7.84056
Type of gen. func.: ogf

$$\frac{x (x + 1) (x^7 + x^6 + x^4 + x^2 + 1)}{(x^6 + x^3 + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A052428
Score: 4.28364
Type of gen. func.: ogf

$$- (x^{31} - x^{30} + x^{27} - x^{24} + x^{21} - x^{20} + x^{17} - x^{15} + x^{12} + 3 x^{11} - 3 x^{10} + 3 x^9 - 4 x^8 + 4 x^7 - 4 x^6 + 5 x^4 + 7 x^3 - 3 x^2 - 9 x - 1) / (x - 1)^2$$

Sequence: A052454
Score: 8.26161
Type of gen. func.: ogf

$$- \frac{(x - 1) (x^4 + 4 x^3 + 17 x^2 + 4 x + 1)}{x^6 - 38 x^3 + 1}$$

Sequence: A052459
Score: 10.7612
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 31 x^3 + 107 x^2 + 85 x + 15}{(x - 1) (x^2 + 3 x + 1) (x^2 + 6 x + 1)}$$

Sequence: A052459
Score: 6.38130
Type of gen. func.: ogf

$$\frac{(x^2 + 3 x + 1) (x^2 + 6 x + 1)}{(x - 1)^6}$$

Sequence: A052460
Score: 4.17936
Type of gen. func.: ogf

$$\frac{x^6 + 42 x^5 + 303 x^4 + 568 x^3 + 303 x^2 + 42 x + 1}{(x - 1)^8}$$

Sequence: A052460
Score: 5.97473
Type of gen. func.: lgdogf

$$-\frac{2 (x^6 + 66 x^5 + 711 x^4 + 2026 x^3 + 1761 x^2 + 450 x + 25)}{(x - 1) (x^6 + 42 x^5 + 303 x^4 + 568 x^3 + 303 x^2 + 42 x + 1)}$$

Sequence: A052462
Score: 4.77718
Type of gen. func.: ogf

$(53167 f(x) + 60185)$

$$(25 f(x) x^3 - 25 f(x) x^2 - f(x) x + 25 x^2 + f(x) - 20 x - 4)$$

Sequence: A052462
Score: 5.06545
Type of gen. func.: ogf

$$\{-a(n+3) + a(n+2) + 25\, a(n+1) - 25\, a(n),\ a(0) = 4,\ a(1) = 24,\ a(2) = 99\}$$

Sequence: A052462
Score: 7.77587
Type of gen. func.: lgdogf

$$-\frac{625 x^4 - 1000 x^3 + 225 x^2 + 150 x + 24}{(x - 1)(1 + 5 x)(5 x - 1)(25 x^2 - 20 x - 4)}$$

Sequence: A052462
Score: 9.03988
Type of gen. func.: ogf

$$-\frac{25 x^2 - 20 x - 4}{(x - 1)(1 + 5 x)(5 x - 1)}$$

Sequence: A052463
Score: 4.36555
Type of gen. func.: ogf

$$\{-a(n+3) + 50\, a(n+2) - 49\, a(n+1),\ a(0) = 0,\ a(1) = 47,\ a(2) = 2301\}$$

Sequence: A052463
Score: 5.24846
Type of gen. func.: ogf

$$-f(x)\,(49 f(x) x^2 - 50 f(x) x + 49 x^2 + f(x) - 47 x)$$

Sequence: A052463
Score: 8.81347
Type of gen. func.: ogf

$$-\frac{x (49 x - 47)}{(49 x - 1) (x - 1)}$$

Sequence: A052463
Score: 9.00385
Type of gen. func.: revogf

$$-\frac{-47 - 50 x + (2304 x^2 + 4504 x + 2209)^{1/2}}{98 (x + 1)}$$

Sequence: A052463
Score: 9.56659
Type of gen. func.: lgdogf

$$-\frac{2401 x^2 - 4606 x + 2301}{(x - 1) (49 x - 47) (49 x - 1)}$$

Sequence: A052465
Score: 3.88162
Type of gen. func.: ogf

{-a(n + 3) + a(n + 2) + 121 a(n + 1) - 121 a(n), a(0) = 6, a(1) = 116,

a(2) = 721}

Sequence: A052465
Score: 5.34947
Type of gen. func.: lgdogf

$$-\frac{14641 x^4 - 26620 x^3 + 11253 x^2 + 1210 x + 116}{(x - 1) (11 x + 1) (11 x - 1) (121 x^2 - 110 x - 6)}$$

Sequence: A052465
Score: 6.24928
Type of gen. func.: ogf

(36538435 f(x) + 35675717)

```
               3             2                 2
    (121 f(x) x  - 121 f(x) x  - f(x) x + 121 x  + f(x) - 110 x - 6)



------------------------------------------------------------------------------

Sequence:  A052465
Score: 6.75065
Type of gen. func.: ogf


                                    2
                               121 x  - 110 x - 6
                        - -----------------------------
                          (x - 1) (11 x + 1) (11 x - 1)



------------------------------------------------------------------------------

Sequence:  A052466
Score: 4.03286
Type of gen. func.: ogf


{-a(n + 3) + a(n + 2) + 169 a(n + 1) - 169 a(n), a(0) = 6, a(1) = 162,

    a(2) = 1007}



------------------------------------------------------------------------------

Sequence:  A052466
Score: 5.23456
Type of gen. func.: ogf


(107942377 f(x) + 103551851)

               3             2                 2
    (169 f(x) x  - 169 f(x) x  - f(x) x + 169 x  + f(x) - 156 x - 6)



------------------------------------------------------------------------------

Sequence:  A052466
Score: 5.61042
Type of gen. func.: lgdogf


                         4           3           2
                  28561 x  - 52728 x  + 23491 x  + 1690 x + 162
              - --------------------------------------------------
                                                    2
                (x - 1) (13 x - 1) (13 x + 1) (169 x  - 156 x - 6)



------------------------------------------------------------------------------

Sequence:  A052466
Score: 7.07212
Type of gen. func.: ogf


                                    2
                               169 x  - 156 x - 6
```

$$-\frac{}{(x - 1) (13 x - 1) (13 x + 1)}$$

Sequence: A052470
Score: 6.82155
Type of gen. func.: ogf

$$(2 x^{48} - 2 x^{47} + 2 x^{38} - 2 x^{37} + 2 x^{32} - 2 x^{31} + 4 x^{20} - 4 x^{19} + 4 x^{18} + x^{17} - 5 x^{16} + 24 x^{2} - 23 x - 5)/(x - 1)$$

Sequence: A052472
Score: 14.2992
Type of gen. func.: lgdogf

$$-\frac{4 x^{3} - 21 x^{2} + 42 x - 35}{(x - 1) (x - 2) (2 x^{2} - 5 x + 5)}$$

Sequence: A052472
Score: 5.99831
Type of gen. func.: ogf

$$\{(n^{2} + 9 n + 14) a(n + 1) + (-n^{2} - 5 n - 4) a(n + 2), a(0) = 0, a(1) = 10\}$$

Sequence: A052472
Score: 7.80425
Type of gen. func.: ogf

$$\frac{x (x - 2) (2 x^{2} - 5 x + 5)}{(x - 1)^{5}}$$

Sequence: A052481
Score: 11.1252
Type of gen. func.: ogf

$$8 x^{2} - 4 x + 1$$

$$- \frac{}{(2 x - 1)^3}$$

Sequence: A052481
Score: 19.3268
Type of gen. func.: lgdogf

$$- \frac{2 (8 x^2 + 1)}{(2 x - 1) (8 x^2 - 4 x + 1)}$$

Sequence: A052481
Score: 6.10412
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 12 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 2, a(2) = 8\}$$

Sequence: A052481
Score: 6.15863
Type of gen. func.: ogf

$$(f(x) - 1) (8 f(x) x^3 - 12 f(x) x^2 + 6 f(x) x + 8 x^2 - f(x) - 4 x + 1)$$

Sequence: A052482
Score: 12.3287
Type of gen. func.: ogf

$$- \frac{4 x^2 - 6 x + 3}{(2 x - 1)^3}$$

Sequence: A052482
Score: 16.7327
Type of gen. func.: lgdogf

$$- \frac{4 (2 x^2 - 4 x + 3)}{(2 x - 1) (4 x^2 - 6 x + 3)}$$

Sequence: A052482
Score: 18.1271
Type of gen. func.: revogf

$$\frac{-1 + (2 x + 1)^{(1/3)}}{2 (2 x + 1)^{1/3}}$$

Sequence: A052482
Score: 6.64676
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 12 a(n + 1) - 8 a(n), a(0) = 3, a(1) = 12, a(2) = 40\}$$

Sequence: A052482
Score: 6.82479
Type of gen. func.: ogf

$$(9 f(x) - 7) (8 f(x) x^3 - 12 f(x) x^2 + 6 f(x) x + 4 x^2 - f(x) - 6 x + 3)$$

Sequence: A052501
Score: 107.524
Type of gen. func.: lgdegf]

$$x^4 + 1$$

Sequence: A052502
Score: 5.49355
Type of gen. func.: ogf

$$\{(9 n^2 + 27 n + 20) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A052503
Score: 4.05538
Type of gen. func.: ogf

$$\{(8 n^3 + 48 n^2 + 94 n + 60) a(n + 1) + (2 n + 5) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 1, a(2) = 9\}$$

Sequence: A052505
Score: 3.35136
Type of gen. func.: egf]

$$\{(-243 n^4 - 1458 n^3 - 3267 n^2 - 3240 n - 1200) a(n + 1) + (8 n^2 + 28 n + 24) a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A052506
Score: 11.1232
Type of gen. func.: lgdegf]

$$-a(n) n + (n^2 - 2 n - 3) a(n + 1) + (2 n^2 + 6 n + 4) a(n + 2), a(0) = 0, a(1) = 2$$

Sequence: A052512
Score: 14.4511
Type of gen. func.: lgdegf]

$$(n + 3) a(n + 3) + n a(n + 2) - a(n + 1), a(0) = 1, a(1) = 2, a(2) = 3/2$$

Sequence: A052515
Score: 10.4709
Type of gen. func.: ogf

$$\frac{2 x^4 (2 x - 3)}{(2 x - 1) (x - 1)^2}$$

Sequence: A052515
Score: 15.9681
Type of gen. func.: lgdogf

2

$$-\frac{2 (4 x - 10 x + 5)}{(x - 1) (2 x - 1) (2 x - 3)}$$

Sequence: A052515
Score: 3.75719
Type of gen. func.: ogf

$\{(-2 n - 4) a(n + 1) + (3 n + 4) a(n + 2) + (-n - 1) a(n + 3), a(0) = 0,$

$a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 6\}$

Sequence: A052515
Score: 5.96936
Type of gen. func.: ogf

$$-f(x) (-4 x^5 + 2 f(x) x^3 + 6 x^4 - 5 f(x) x^2 + 4 f(x) x - f(x))$$

Sequence: A052516
Score: 6.24788
Type of gen. func.: ogf

$$\frac{2 x^6 (6 x^2 - 15 x + 10)}{(2 x - 1) (x - 1)^3}$$

Sequence: A052516
Score: 9.04454
Type of gen. func.: lgdogf

$$-\frac{24 x^3 - 84 x^2 + 98 x - 35}{(2 x - 1) (x - 1) (6 x^2 - 15 x + 10)}$$

Sequence: A052517
Score: 4.85548
Type of gen. func.: ogf

$$\{a(n) n^2 + (-2 n - 1) a(n + 1) + a(n + 2), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A052518
Score: 3.30129
Type of gen. func.: ogf

$$\{(-n^3 + n) a(n) + (2 n^2 + n - 1) a(n + 1) - n a(n + 2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 6\}$$

Sequence: A052520
Score: 14.6548
Type of gen. func.: egf]

$$\frac{x^4}{(x - 1)^2}$$

Sequence: A052520
Score: 3.73950
Type of gen. func.: ogf

$$\{(-n^2 - n + 2) a(n + 1) + (-2 + n) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 24\}$$

Sequence: A052520
Score: 67.7784
Type of gen. func.: lgdegf]

$$- \frac{2}{x - 1}$$

Sequence: A052520
Score: 8.60679
Type of gen. func.: egf]

$$x^4 - f(x) x^2 + 2 f(x) x - f(x)$$

Sequence: A052521
Score: 14.1690
Type of gen. func.: egf]

$$\frac{x^6}{(x-1)^2}$$

Sequence: A052521
Score: 3.12055
Type of gen. func.: ogf

$$\{(-n^2 + n + 6)\, a(n + 1) + (-4 + n)\, a(n + 2),\ a(0) = 0,\ a(1) = 0,\ a(2) = 0,$$
$$a(3) = 0,\ a(4) = 0,\ a(5) = 0,\ a(6) = 720\}$$

Sequence: A052521
Score: 66.2805
Type of gen. func.: lgdegf]

$$-\frac{2}{x-1}$$

Sequence: A052521
Score: 8.32148
Type of gen. func.: egf]

$$x^6 - f(x)\, x^2 + 2\, f(x)\, x - f(x)$$

Sequence: A052522
Score: 5.95959
Type of gen. func.: revegf]

$$(-n^2 + 2 n)\, a(n) + (-2 n - 2)\, a(n + 1) + (2 n^2 + 6 n + 4)\, a(n + 2)$$
$$+ (-n^2 - 5 n - 6)\, a(n + 3),\ a(0) = 0,\ a(1) = 1,\ a(2) = 0$$

Sequence: A052524

Score: 13.1831
Type of gen. func.: revegf]

$$a(n+4) - a(n+3), a(0) = 0, a(1) = 1, a(2) = 0, a(3) = -1$$

Sequence: A052524
Score: 8.49193
Type of gen. func.: egf]

$$-f(x)^3 - f(x)^2 + f(x) x + f(x) - x$$

Sequence: A052527
Score: 11.7207
Type of gen. func.: ogf

$$-\frac{x - 1}{x^4 - x^3 - x^2 - x + 1}$$

Sequence: A052527
Score: 15.3072
Type of gen. func.: lgdogf

$$-\frac{x (3 x^3 - 6 x^2 + 2 x + 2)}{(x - 1) (x^4 - x^3 - x^2 - x + 1)}$$

Sequence: A052527
Score: 5.76582
Type of gen. func.: ogf

$$(107 f(x) - 18) (f(x) x^4 - f(x) x^3 - f(x) x^2 - f(x) x + f(x) + x - 1)$$

Sequence: A052528
Score: 12.7703
Type of gen. func.: ogf

```
                      x - 1
               - --------------------
                    3      2
```

$$2 x - 2 x - 2 x + 1$$

Sequence: A052528
Score: 14.4208
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 8 x^2 + 4 x + 1}{(x - 1) (2 x^3 - 2 x^2 - 2 x + 1)}$$

Sequence: A052528
Score: 6.04310
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 1, a(2) = 4\}$$

Sequence: A052528
Score: 6.26691
Type of gen. func.: ogf

$$-(55 f(x) + 1) (2 f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + f(x) + x - 1)$$

Sequence: A052529
Score: 20.4945
Type of gen. func.: lgdogf

$$\frac{2 x + 1}{(x - 1) (x^3 - 3 x^2 + 4 x - 1)}$$

Sequence: A052529
Score: 4.87490
Type of gen. func.: ogf

$$\{a(n + 4) - 4 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 13\}$$

Sequence: A052529
Score: 5.27123
Type of gen. func.: ogf

$$-(2 f(x) - 5) (f(x) x^3 - 3 f(x) x^2 - x^3 + 4 f(x) x + 3 x^2 - f(x) - 3 x + 1)$$

Sequence: A052529
Score: 9.39655
Type of gen. func.: ogf

$$\frac{(x - 1)^3}{x^3 - 3 x^2 + 4 x - 1}$$

Sequence: A052530
Score: 11.2388
Type of gen. func.: ogf

$$-f(x) x^2 + 4 f(x) x - f(x) + 2 x$$

Sequence: A052530
Score: 17.6603
Type of gen. func.: revogf

$$- \frac{-2 x - 1 + (x + 1)^{1/2} (1 + 3 x)^{1/2}}{x}$$

Sequence: A052530
Score: 17.9213
Type of gen. func.: ogf

$$\frac{2 x}{x^2 - 4 x + 1}$$

Sequence: A052530
Score: 32.6716
Type of gen. func.: lgdogf

$$-\frac{2(x-2)}{x^2-4x+1}$$

Sequence: A052530
Score: 8.18628
Type of gen. func.: ogf

$$\{a(n+2)-4a(n+1)+a(n),\ a(0)=0,\ a(1)=2\}$$

Sequence: A052531
Score: 11.4767
Type of gen. func.: ogf

$$-\frac{x^2+2x-2}{(x-1)(2x-1)(x+1)}$$

Sequence: A052531
Score: 12.0389
Type of gen. func.: lgdogf

$$-\frac{2(x^4+4x^3-6x^2+x+1)}{(x-1)(2x-1)(x+1)(x^2+2x-2)}$$

Sequence: A052531
Score: 5.98358
Type of gen. func.: ogf

$$-(17f(x)+23)(2f(x)x^3-f(x)x^2-2f(x)x+x^2+f(x)+2x-2)$$

Sequence: A052531
Score: 6.25071
Type of gen. func.: ogf

$$\{a(n+3)-2a(n+2)-a(n+1)+2a(n),\ a(0)=2,\ a(1)=2,\ a(2)=5\}$$

Sequence: A052532
Score: 12.7018
Type of gen. func.: ogf

$$-\frac{x-1}{x^5-x^4-x^3-x+1}$$

Sequence: A052532
Score: 15.9851
Type of gen. func.: lgdogf

$$-\frac{x^2\,(4\,x^3-8\,x^2+2\,x+3)}{(x-1)\,(x^5-x^4-x^3-x+1)}$$

Sequence: A052533
Score: 11.1741
Type of gen. func.: ogf

$$3\,f(x)\,x^2+f(x)\,x-f(x)-x+1$$

Sequence: A052533
Score: 15.6437
Type of gen. func.: ogf

$$\frac{x-1}{3\,x^2+x-1}$$

Sequence: A052533
Score: 17.7863
Type of gen. func.: revogf

$$\frac{-1-x+(13\,x^2-2\,x+1)^{1/2}}{2\,(3\,x-1)}$$

Sequence: A052533
Score: 24.7738
Type of gen. func.: lgdogf

$$-\frac{3 x (x - 2)}{(x - 1) (3 x^2 + x - 1)}$$

Sequence: A052533
Score: 8.69096
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 3 a(n), a(0) = 1, a(1) = 0\}$$

Sequence: A052534
Score: 11.8744
Type of gen. func.: ogf

$$-\frac{(x - 1) (x + 1)}{x^3 - x^2 - 2 x + 1}$$

Sequence: A052534
Score: 16.5808
Type of gen. func.: lgdogf

$$-\frac{x^4 - x^2 + 2}{(x - 1) (x + 1) (x^3 - x^2 - 2 x + 1)}$$

Sequence: A052534
Score: 6.04321
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A052534
Score: 6.32559
Type of gen. func.: ogf

3 2 2

$$(9 f(x) - 1) (f(x) x - f(x) x - 2 f(x) x + x + f(x) - 1)$$

Sequence: A052535
Score: 12.5588
Type of gen. func.: ogf

$$-\frac{(x - 1) (x + 1)}{x^4 - 2 x^2 - x + 1}$$

Sequence: A052535
Score: 13.4951
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 4 x^3 + x^2 + 2 x + 1}{(x - 1) (x + 1) (x^4 - 2 x^2 - x + 1)}$$

Sequence: A052535
Score: 6.44911
Type of gen. func.: ogf

$$-(5 f(x) - 1) (f(x) x^4 - 2 f(x) x^2 - f(x) x + x^2 + f(x) - 1)$$

Sequence: A052536
Score: 14.7214
Type of gen. func.: ogf

$$-\frac{x - 1}{x^3 - 3 x + 1}$$

Sequence: A052536
Score: 19.0965
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 3 x^2 + 2}{(x - 1) (x^3 - 3 x + 1)}$$

```
------------------------------------------------------------------------------

Sequence:  A052536
Score: 7.04749
Type of gen. func.: ogf


         {-a(n + 3) + 3 a(n + 2) - a(n), a(0) = 1, a(1) = 2, a(2) = 6}



------------------------------------------------------------------------------

Sequence:  A052536
Score: 7.70306
Type of gen. func.: ogf


                                    3
               (29 f(x) - 5) (f(x) x  - 3 f(x) x + f(x) + x - 1)



------------------------------------------------------------------------------

Sequence:  A052537
Score: 12.8232
Type of gen. func.: ogf


                               3
                       2 f(x) x  + f(x) x - f(x) - x + 1



------------------------------------------------------------------------------

Sequence:  A052537
Score: 17.9526
Type of gen. func.: ogf


                                     x - 1
                                  ------------
                                     3
                                  2 x  + x - 1



------------------------------------------------------------------------------

Sequence:  A052537
Score: 25.0152
Type of gen. func.: lgdogf


                                     2
                                  2 x  (2 x - 3)
                            - ----------------------
                                          3
                              (x - 1) (2 x  + x - 1)



------------------------------------------------------------------------------

Sequence:  A052537
Score: 8.78114
```

Type of gen. func.: ogf

$$\{-a(n+3) + a(n+2) + 2\,a(n),\ a(0) = 1,\ a(1) = 0,\ a(2) = 0\}$$

Sequence: A052538
Score: 11.7531
Type of gen. func.: ogf

$$-\frac{x - 1}{3x^3 - 3x^2 - 2x + 1}$$

Sequence: A052538
Score: 12.9730
Type of gen. func.: lgdogf

$$-\frac{6x^3 - 12x^2 + 6x + 1}{(x - 1)(3x^3 - 3x^2 - 2x + 1)}$$

Sequence: A052538
Score: 5.56173
Type of gen. func.: ogf

$$\{-a(n+3) + 2\,a(n+2) + 3\,a(n+1) - 3\,a(n),\ a(0) = 1,\ a(1) = 1,\ a(2) = 5\}$$

Sequence: A052538
Score: 5.7148
Type of gen. func.: ogf

$$-(109\,f(x) + 6)(3\,f(x)\,x^3 - 3\,f(x)\,x^2 - 2\,f(x)\,x + f(x) + x - 1)$$

Sequence: A052539
Score: 13.3781
Type of gen. func.: ogf

$$-\frac{-2 + 5x}{(4x - 1)(x - 1)}$$

Sequence: A052539
Score: 15.5124
Type of gen. func.: lgdogf

$$-\frac{20 x^2 - 16 x + 5}{(x - 1) (4 x - 1) (-2 + 5 x)}$$

Sequence: A052539
Score: 15.9317
Type of gen. func.: revogf

$$-\frac{-2 - 5 x + (9 x^2 + 4)^{1/2}}{2 (4 x + 5)}$$

Sequence: A052539
Score: 6.76421
Type of gen. func.: ogf

$$-(9 f(x) + 7) (4 f(x) x^2 - 5 f(x) x + f(x) + 5 x - 2)$$

Sequence: A052539
Score: 7.34163
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 4 a(n), a(0) = 2, a(1) = 5\}$$

Sequence: A052540
Score: 17.0386
Type of gen. func.: ogf

$$-\frac{x - 1}{x^4 - x^3 - 2 x + 1}$$

Sequence: A052540
Score: 20.1980
Type of gen. func.: lgdogf

$$-\frac{3x^4 - 6x^3 + 3x^2 + 1}{(x-1)(x^4 - x^3 - 2x + 1)}$$

Sequence: A052540
Score: 8.36154
Type of gen. func.: ogf

$$-(46 f(x) - 5) (f(x) x^4 - f(x) x^3 - 2 f(x) x + f(x) + x - 1)$$

Sequence: A052541
Score: 23.0225
Type of gen. func.: ogf

$$-\frac{1}{x^3 + 3x - 1}$$

Sequence: A052541
Score: 32.4527
Type of gen. func.: lgdogf

$$-\frac{3(x^2 + 1)}{x^3 + 3x - 1}$$

Sequence: A052541
Score: 8.08236
Type of gen. func.: ogf

$$\{-a(n+3) + 3a(n+2) + a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A052541
Score: 9.37954
Type of gen. func.: ogf

$$(f(x) - 1)(f(x) x^3 + 3 f(x) x - f(x) + 1)$$

Sequence: A052542
Score: 11.4808
Type of gen. func.: ogf

$$-f(x) x^2 - 2 f(x) x + x^2 + f(x) - 1$$

Sequence: A052542
Score: 15.6982
Type of gen. func.: ogf

$$\frac{(x - 1) (x + 1)}{x^2 + 2 x - 1}$$

Sequence: A052542
Score: 22.8933
Type of gen. func.: lgdogf

$$\frac{2 (x^2 + 1)}{(x - 1) (x + 1) (x^2 + 2 x - 1)}$$

Sequence: A052542
Score: 7.54131
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + a(n + 1), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A052543
Score: 11.9645
Type of gen. func.: ogf

$$- \frac{x - 1}{(x + 1) (2 x^2 - 4 x + 1)}$$

Sequence: A052543
Score: 12.9426
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^{3}-4\,x^{2}+2\,x+1)}{(x-1)\,(x+1)\,(2\,x^{2}-4\,x+1)}$$

Sequence: A052543
Score: 5.66178
Type of gen. func.: ogf

{-a(n + 3) + 3 a(n + 2) + 2 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 2, a(2) = 8}

Sequence: A052543
Score: 5.87147
Type of gen. func.: ogf

$$-(22\,f(x)-1)\,(2\,f(x)\,x^{3}-2\,f(x)\,x^{2}-3\,f(x)\,x+f(x)+x-1)$$

Sequence: A052544
Score: 10.6289
Type of gen. func.: ogf

$$-\frac{(x-1)^{2}}{x^{3}-3\,x^{2}+4\,x-1}$$

Sequence: A052544
Score: 14.7751
Type of gen. func.: lgdogf

$$-\frac{x^{3}-3\,x^{2}+2\,x-2}{(x-1)\,(x^{3}-3\,x^{2}+4\,x-1)}$$

Sequence: A052544
Score: 5.78895
Type of gen. func.: ogf

$\{-a(n+3) + 4 a(n+2) - 3 a(n+1) + a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$

Sequence: A052544
Score: 5.84109
Type of gen. func.: ogf

$$(3 f(x) - 1) (f(x) x^3 - 3 f(x) x^2 + 4 f(x) x + x^2 - f(x) - 2 x + 1)$$

Sequence: A052545
Score: 12.2506
Type of gen. func.: ogf

$$\frac{(x - 1)^2}{x^3 - 3 x + 1}$$

Sequence: A052545
Score: 17.6694
Type of gen. func.: lgdogf

$$-\frac{x^3 - 3 x^2 + 3 x + 1}{(x - 1) (x^3 - 3 x + 1)}$$

Sequence: A052545
Score: 6.90723
Type of gen. func.: ogf

$$(61 f(x) - 6) (f(x) x^3 - 3 f(x) x - x^2 + f(x) + 2 x - 1)$$

Sequence: A052545
Score: 6.90723
Type of gen. func.: ogf

$\{a(n+3) - 3 a(n+2) + a(n), a(0) = 1, a(1) = 1, a(2) = 4\}$

Sequence: A052546
Score: 11.3655
Type of gen. func.: ogf

$$-\frac{x - 1}{2 x^4 - 2 x^3 - x^2 - x + 1}$$

Sequence: A052546
Score: 13.3848
Type of gen. func.: lgdogf

$$-\frac{x (6 x^3 - 12 x^2 + 5 x + 2)}{(x - 1) (2 x^4 - 2 x^3 - x^2 - x + 1)}$$

Sequence: A052546
Score: 5.459
Type of gen. func.: ogf

$$-(215 f(x) - 6) (2 f(x) x^4 - 2 f(x) x^3 - f(x) x^2 - f(x) x + f(x) + x - 1)$$

Sequence: A052547
Score: 15.3053
Type of gen. func.: ogf

$$-\frac{x - 1}{x^3 - 2 x^2 - x + 1}$$

Sequence: A052547
Score: 21.0597
Type of gen. func.: lgdogf

$$-\frac{x (2 x^2 - 5 x + 4)}{(x - 1) (x^3 - 2 x^2 - x + 1)}$$

Sequence: A052547
Score: 7.30795
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+2)+2\,a(n+1)-a(n),\ a(0)=1,\ a(1)=0,\ a(2)=2\}$$

Sequence: A052547
Score: 7.37438
Type of gen. func.: ogf

$$-(81\,f(x)-145)\,(f(x)\,x^3-2\,f(x)\,x^2-f(x)\,x+f(x)+x-1)$$

Sequence: A052548
Score: 11.1674
Type of gen. func.: ogf

$$2\,f(x)\,x^2-3\,f(x)\,x+f(x)+5\,x-3$$

Sequence: A052548
Score: 15.6343
Type of gen. func.: ogf

$$-\frac{5\,x-3}{(2\,x-1)\,(x-1)}$$

Sequence: A052548
Score: 17.6842
Type of gen. func.: revogf

$$-\frac{-3-3\,x+(x^2-2\,x+9)^{1/2}}{2\,(5+2\,x)}$$

Sequence: A052548
Score: 17.6842
Type of gen. func.: lgdogf

$$-\frac{2\,(5\,x^2-6\,x+2)}{}$$

$$(x - 1) (5 x - 3) (2 x - 1)$$

Sequence: A052548
Score: 8.57982
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 3, a(1) = 4\}$$

Sequence: A052549
Score: 13.0880
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{(2 x - 1) (x - 1)}$$

Sequence: A052549
Score: 18.3765
Type of gen. func.: lgdogf

$$-\frac{x^2 - 6 x + 4}{(x - 1) (2 x - 1) (x^2 - x - 1)}$$

Sequence: A052549
Score: 6.80065
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 4, a(2) = 9\}$$

Sequence: A052549
Score: 7.45877
Type of gen. func.: ogf

$$(3 f(x) + 5) (2 f(x) x^2 - 3 f(x) x + x^2 + f(x) - x - 1)$$

Sequence: A052550
Score: 12.7481

Type of gen. func.: ogf

$$-\frac{2x-1}{2x^3-x^2-3x+1}$$

Sequence: A052550
Score: 14.0950
Type of gen. func.: lgdogf

$$-\frac{8x^3-8x^2+2x+1}{(2x-1)(2x^3-x^2-3x+1)}$$

Sequence: A052550
Score: 6.03256
Type of gen. func.: ogf

$$\{-a(n+3)+3a(n+2)+a(n+1)-2a(n),\ a(0)=1,\ a(1)=1,\ a(2)=4\}$$

Sequence: A052550
Score: 6.14224
Type of gen. func.: ogf

$$-(129 f(x)-44)(2 f(x) x^3 - f(x) x^2 - 3 f(x) x + f(x) + 2x - 1)$$

Sequence: A052551
Score: 20.9108
Type of gen. func.: ogf

$$\frac{1}{(x-1)(2x^2-1)}$$

Sequence: A052551
Score: 24.4757
Type of gen. func.: lgdogf

$$6x^2-4x-1$$

$$-\frac{\quad}{(x - 1)\,(2 x^2 - 1)}$$

Sequence: A052551
Score: 6.90802
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 2\,a(n + 1) + 2\,a(n),\ a(0) = 1,\ a(1) = 1,\ a(2) = 3\}$$

Sequence: A052551
Score: 7.66037
Type of gen. func.: ogf

$$(15\,f(x) + 26)\,(2\,f(x)\,x^3 - 2\,f(x)\,x^2 - f(x)\,x + f(x) - 1)$$

Sequence: A052552
Score: 13.3402
Type of gen. func.: ogf

$$-\frac{2 x^2 + x - 2}{(x - 1)\,(2 x^2 - 1)}$$

Sequence: A052552
Score: 14.5054
Type of gen. func.: lgdogf

$$-\frac{4 x^4 + 4 x^3 - 12 x^2 + 4 x + 1}{(x - 1)\,(2 x^2 - 1)\,(2 x^2 + x - 2)}$$

Sequence: A052552
Score: 7.01511
Type of gen. func.: ogf

$$-(f(x) - 74)\,(2\,f(x)\,x^3 - 2\,f(x)\,x^2 - f(x)\,x + 2 x^2 + f(x) + x - 2)$$

Sequence: A052552
Score: 7.26564
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 2 a(n + 1) - 2 a(n), a(0) = 2, a(1) = 1, a(2) = 3\}$$

Sequence: A052554
Score: 11.6469
Type of gen. func.: egf]

$$\frac{x - 1}{x^2 + x - 1}$$

Sequence: A052554
Score: 21.4699
Type of gen. func.: lgdegf]

$$- \frac{x (x - 2)}{(x - 1) (x^2 + x - 1)}$$

Sequence: A052554
Score: 8.31921
Type of gen. func.: egf]

$$f(x) x^2 + f(x) x - f(x) - x + 1$$

Sequence: A052555
Score: 16.8167
Type of gen. func.: egf]

$$- \frac{1}{x^2 + 2 x - 1}$$

Sequence: A052555
Score: 27.1695
Type of gen. func.: lgdegf]

```
   2 (x + 1)
- ------------
   2
  x  + 2 x - 1
```

Sequence: A052555
Score: 3.88078
Type of gen. func.: ogf

```
   2
{(n  + 5 n + 6) a(n + 1) + (2 n + 6) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 2,

    a(2) = 10}
```

Sequence: A052555
Score: 6.68616
Type of gen. func.: egf]

```
                                      2
                 (29 f(x) - 13) (f(x) x  + 2 f(x) x - f(x) + 1)
```

Sequence: A052556
Score: 15.8821
Type of gen. func.: egf]

```
      1
- ----------
   3
  x  + x - 1
```

Sequence: A052556
Score: 24.3968
Type of gen. func.: lgdegf]

```
      2
   3 x  + 1
- ----------
   3
  x  + x - 1
```

Sequence: A052556
Score: 3.17642
Type of gen. func.: ogf

```
    3      2
```

$\{(-n - 9 n - 26 n - 24) a(n + 1) + (-n - 4) a(n + 3) + a(n + 4), a(0) = 1,$

$a(1) = 1, a(2) = 2, a(3) = 12\}$

Sequence: A052556
Score: 6.166
Type of gen. func.: egf]

$$-(f(x) - 1) (f(x) x^3 + f(x) x - f(x) + 1)$$

Sequence: A052557
Score: 11.0580
Type of gen. func.: egf]

$$\frac{x - 1}{x^3 + x - 1}$$

Sequence: A052557
Score: 16.3907
Type of gen. func.: lgdegf]

$$- \frac{x^2 (2 x - 3)}{(x - 1) (x^3 + x - 1)}$$

Sequence: A052557
Score: 5.40880
Type of gen. func.: egf]

$$\{-a(n + 3) + a(n + 2) + a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$$

Sequence: A052557
Score: 7.89857
Type of gen. func.: egf]

$$f(x) x^3 + f(x) x - f(x) - x + 1$$

Sequence: A052558
Score: 19.1310
Type of gen. func.: egf]

$$\frac{1}{(x + 1) (x - 1)^{2}}$$

Sequence: A052558
Score: 34.7742
Type of gen. func.: lgdegf]

$$- \frac{1 + 3 x}{(x - 1) (x + 1)}$$

Sequence: A052558
Score: 5.61784
Type of gen. func.: ogf

$$\{(-n^{2} - 6 n - 8) a(n + 1) + a(n + 3) - a(n + 2), a(0) = 1, a(1) = 1, a(2) = 4\}$$

Sequence: A052558
Score: 9.19284
Type of gen. func.: egf]

$$-f(x) x^{3} + f(x) x^{2} + f(x) x - f(x) + 1$$

Sequence: A052559
Score: 10.0890
Type of gen. func.: egf]

$$- \frac{x - 1}{x^{3} - x^{2} - 2 x + 1}$$

Sequence: A052559
Score: 12.4561
Type of gen. func.: lgdegf]

$$-\frac{2x^3 - 4x^2 + 2x + 1}{(x - 1)(x^3 - x^2 - 2x + 1)}$$

Sequence: A052559
Score: 4.77427
Type of gen. func.: egf]

$$\{-a(n + 3) + 2 a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 1, a(2) = 3\}$$

Sequence: A052559
Score: 4.9511
Type of gen. func.: egf]

$$-(23 f(x) - 2) (f(x) x^3 - f(x) x^2 - 2 f(x) x + f(x) + x - 1)$$

Sequence: A052560
Score: 16.963
Type of gen. func.: egf]

$$-f(x) x + f(x) - 3$$

Sequence: A052560
Score: 27.8194
Type of gen. func.: egf]

$$-\frac{3}{x - 1}$$

Sequence: A052560
Score: 7.90323
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 1) + a(n + 2), a(0) = 3, a(1) = 3\}$$

Sequence: A052560
Score: 85.3900
Type of gen. func.: lgdegf]

$$-\frac{1}{x - 1}$$

Sequence: A052561
Score: 11.6899
Type of gen. func.: egf]

$$-\frac{3 x - 2}{(2 x - 1) (x - 1)}$$

Sequence: A052561
Score: 13.9050
Type of gen. func.: lgdegf]

$$-\frac{6 x^2 - 8 x + 3}{(x - 1) (2 x - 1) (3 x - 2)}$$

Sequence: A052561
Score: 5.78074
Type of gen. func.: egf]

$$-(14 f(x) + 53) (2 f(x) x^2 - 3 f(x) x + f(x) + 3 x - 2)$$

Sequence: A052562
Score: 12.7133
Type of gen. func.: egf]

$$-5 f(x) x + f(x) - 1$$

Sequence: A052562
Score: 24.8213
Type of gen. func.: egf]

$$-\frac{1}{5 x - 1}$$

Sequence: A052562
Score: 5.85671
Type of gen. func.: ogf

$$\{(-10 - 5 n) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 5\}$$

Sequence: A052562
Score: 51.0157
Type of gen. func.: lgdegf]

$$-\frac{5}{5 x - 1}$$

Sequence: A052563
Score: 11.5217
Type of gen. func.: egf]

$$-3 f(x) x + f(x) + x - 1$$

Sequence: A052563
Score: 14.0129
Type of gen. func.: egf]

$$\frac{x - 1}{3 x - 1}$$

Sequence: A052563
Score: 3.60053
Type of gen. func.: ogf

$$\{(3 n^2 + 3 n) a(n) + (-3 n^2 - 13 n - 12) a(n + 1) + (n + 2) a(n + 2), a(0) = 1,$$
$$a(1) = 2\}$$

Sequence: A052563
Score: 33.8096
Type of gen. func.: lgdegf]

$$\frac{2}{}$$

$$(3 x - 1) (x - 1)$$

Sequence: A052564
Score: 13.9322
Type of gen. func.: egf]

$$\frac{x (x - 1)}{2 x - 1}$$

Sequence: A052564
Score: 22.4955
Type of gen. func.: revegf]

$$1/2 + x - \frac{(4 x^2 + 1)^{1/2}}{2}$$

Sequence: A052564
Score: 3.50442
Type of gen. func.: ogf

$$\{(-4 n^2 - 8 n) a(n + 1) + (2 n^2 + 12 n + 12) a(n + 2) + (-n - 2) a(n + 3),$$

$$a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A052564
Score: 35.1493
Type of gen. func.: lgdegf]

$$\frac{1}{(2 x - 1) (x - 1)}$$

Sequence: A052564
Score: 8.52569
Type of gen. func.: egf]

$$-f(x) (2 f(x) x - x^2 - f(x) + x)$$

Sequence: A052565
Score: 14.6761
Type of gen. func.: lgdegf]

$$\frac{3 x^4 - 6 x^3 + 3 x^2 + 1}{(x - 1) (x^4 - x^3 - 1)}$$

Sequence: A052565
Score: 15.1016
Type of gen. func.: egf]

$$\frac{x^4 - x^3 - 1}{x - 1}$$

Sequence: A052565
Score: 3.57476
Type of gen. func.: ogf

$$\{(16 n^3 + 32 n^2 - 64 n - 128) a(n + 1) + (-3 n^3 - 34 n^2 - 27 n + 64) a(n + 2) + (3 n^2 + 9 n) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 12\}$$

Sequence: A052565
Score: 9.24971
Type of gen. func.: egf]

$$(5 f(x) + 36) (-x^4 + x^3 + f(x) x - f(x) + 1)$$

Sequence: A052566
Score: 12.7136
Type of gen. func.: egf]

$$- \frac{x + 2}{(x - 1) (x + 1)}$$

Sequence: A052566

Score: 16.5833
Type of gen. func.: egf]

$$-f(x)\,x^2 + f(x) - x - 2$$

Sequence: A052566
Score: 16.9758
Type of gen. func.: lgdegf]

$$-\frac{x^2 + 4\,x + 1}{(x - 1)\,(x + 2)\,(x + 1)}$$

Sequence: A052567
Score: 10.5253
Type of gen. func.: egf]

$$\frac{(x - 1)^2}{x^2 - 3\,x + 1}$$

Sequence: A052567
Score: 22.7617
Type of gen. func.: lgdegf]

$$-\frac{x + 1}{(x - 1)\,(x^2 - 3\,x + 1)}$$

Sequence: A052567
Score: 7.85693
Type of gen. func.: egf]

$$-f(x)\,x^2 + 3\,f(x)\,x + x^2 - f(x) - 2\,x + 1$$

Sequence: A052568
Score: 12.7176
Type of gen. func.: egf]

$$-\frac{x - 1}{x^2 - 3 x + 1}$$

Sequence: A052568
Score: 18.6911
Type of gen. func.: lgdegf]

$$-\frac{x^2 - 2 x + 2}{(x - 1) (x^2 - 3 x + 1)}$$

Sequence: A052568
Score: 6.35882
Type of gen. func.: egf]

$$-(21 f(x) - 5) (f(x) x^2 - 3 f(x) x + f(x) + x - 1)$$

Sequence: A052569
Score: 13.4442
Type of gen. func.: egf]

$$\frac{1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A052569
Score: 19.2583
Type of gen. func.: lgdegf]

$$-\frac{4 x^2 + x + 1}{(x - 1) (x^2 + x + 1)}$$

Sequence: A052569
Score: 5.80226
Type of gen. func.: egf]

4   3

$$-f(x) (f(x) x - f(x) x - f(x) x + f(x) - 1)$$

Sequence: A052570
Score: 18.5624
Type of gen. func.: egf]

$$- \frac{x}{4 x - 1}$$

Sequence: A052570
Score: 52.9810
Type of gen. func.: lgdegf]

$$- \frac{4}{4 x - 1}$$

Sequence: A052570
Score: 58.8678
Type of gen. func.: revegf]

$$\frac{x}{1 + 4 x}$$

Sequence: A052570
Score: 6.81405
Type of gen. func.: ogf

$$\{(-4 n - 4) a(n) + a(n + 1), a(0) = 0, a(1) = 1\}$$

Sequence: A052570
Score: 9.12391
Type of gen. func.: egf]

$$-f(x) (4 f(x) x - f(x) + x)$$

Sequence: A052571
Score: 14.8977
Type of gen. func.: egf]

$$\frac{x^3}{(x-1)^2}$$

Sequence: A052571
Score: 4.27298
Type of gen. func.: ogf

$$\{(-n^2 - 2 n) a(n + 1) + (-1 + n) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6\}$$

Sequence: A052571
Score: 68.5273
Type of gen. func.: lgdegf]

$$-\frac{2}{x-1}$$

Sequence: A052571
Score: 8.74944
Type of gen. func.: egf]

$$-f(x) x^2 + x^3 + 2 f(x) x - f(x)$$

Sequence: A052572
Score: 10.7394
Type of gen. func.: egf]

$$-\frac{2 x^2 - 2 x - 1}{(x-1)^2}$$

Sequence: A052572
Score: 19.9002
Type of gen. func.: lgdegf]

$$2 (x - 2)$$

$$-\frac{\quad}{(x - 1) (2 x^2 - 2 x - 1)}$$

Sequence: A052572
Score: 6.12031
Type of gen. func.: egf]

$$(f(x) + 7) (f(x) x^2 - 2 f(x) x + 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A052573
Score: 11.5847
Type of gen. func.: egf]

$$-\frac{2 (2 x - 1)}{(3 x - 1) (x - 1)}$$

Sequence: A052573
Score: 13.0764
Type of gen. func.: lgdegf]

$$-\frac{2 (3 x^2 - 3 x + 1)}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A052573
Score: 5.79235
Type of gen. func.: egf]

$$-(13 f(x) + 6) (3 f(x) x^2 - 4 f(x) x + f(x) + 4 x - 2)$$

Sequence: A052574
Score: 12.2680
Type of gen. func.: egf]

$$-\frac{2 x - 1}{x^2 - 3 x + 1}$$

Sequence: A052574
Score: 15.4428
Type of gen. func.: lgdegf]

$$-\frac{2x^2-2x+1}{(2x-1)(x^2-3x+1)}$$

Sequence: A052574
Score: 6.20293
Type of gen. func.: egf]

$$-(3f(x)-2)(f(x)x^2-3f(x)x+f(x)+2x-1)$$

Sequence: A052575
Score: 10.4162
Type of gen. func.: egf]

$$-\frac{x-1}{2x^3-2x^2-2x+1}$$

Sequence: A052575
Score: 11.7500
Type of gen. func.: lgdegf]

$$-\frac{4x^3-8x^2+4x+1}{(x-1)(2x^3-2x^2-2x+1)}$$

Sequence: A052575
Score: 4.92912
Type of gen. func.: egf]

$$\{-a(n+3)+2a(n+2)+2a(n+1)-2a(n), a(0)=1, a(1)=1, a(2)=4\}$$

Sequence: A052575
Score: 5.11168

Type of gen. func.: egf]

$$-(55 f(x) + 1) (2 f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + f(x) + x - 1)$$

Sequence: A052576
Score: 10.7357
Type of gen. func.: egf]

$$\frac{(x - 1) (2 x^2 + x + 1)}{2 x - 1}$$

Sequence: A052576
Score: 11.1845
Type of gen. func.: lgdegf]

$$\frac{2 (4 x^3 - 4 x^2 + x + 1)}{(2 x - 1) (x - 1) (2 x^2 + x + 1)}$$

Sequence: A052576
Score: 6.04652
Type of gen. func.: egf]

$$-(188 f(x) + 253) (-2 x^3 + 2 f(x) x + x^2 - f(x) + 1)$$

Sequence: A052577
Score: 16.1407
Type of gen. func.: egf]

$$\frac{1}{(3 x - 1) (x - 1)}$$

Sequence: A052577
Score: 21.7213
Type of gen. func.: lgdegf]

$$- \frac{2 (3 x - 2)}{}$$

$$(3 x - 1) (x - 1)$$

Sequence: A052577
Score: 3.64824
Type of gen. func.: ogf

$$\{(3 n^2 + 15 n + 18) a(n + 1) + (-4 n - 12) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 4, a(2) = 26\}$$

Sequence: A052577
Score: 8.65156
Type of gen. func.: egf]

$$(5 f(x) + 3) (3 f(x) x^2 - 4 f(x) x + f(x) - 1)$$

Sequence: A052578
Score: 11.7355
Type of gen. func.: egf]

$$-f(x) (f(x) x - f(x) + 4 x)$$

Sequence: A052578
Score: 23.8756
Type of gen. func.: egf]

$$- \frac{4 x}{x - 1}$$

Sequence: A052578
Score: 67.0295
Type of gen. func.: lgdegf]

$$- \frac{1}{x - 1}$$

Sequence: A052578
Score: 76.6051

Type of gen. func.: revegf]

$$\frac{x}{x + 4}$$

Sequence: A052578
Score: 8.76447
Type of gen. func.: ogf

$$\{(-n - 1)\ a(n) + a(n + 1),\ a(0) = 0,\ a(1) = 4\}$$

Sequence: A052579
Score: 11.5692
Type of gen. func.: lgdegf]

$$- \frac{x^4 + 2 x^3 + 6 x^2 + 2 x + 1}{(x - 1) (x^2 + x + 1) (x^2 + x + 2)}$$

Sequence: A052579
Score: 12.0538
Type of gen. func.: egf]

$$- \frac{x^2 + x + 2}{(x - 1) (x^2 + x + 1)}$$

Sequence: A052579
Score: 7.77154
Type of gen. func.: egf]

$$\{-a(n + 3) + a(n),\ a(0) = 2,\ a(1) = 1,\ a(2) = 1\}$$

Sequence: A052579
Score: 7.87516
Type of gen. func.: egf]

$$(5 f(x) - 7) (f(x) x^3 + x^2 - f(x) + x + 2)$$

Sequence: A052580
Score: 11.6257
Type of gen. func.: egf]

$$\frac{2 x - 1}{x^2 + 2 x - 1}$$

Sequence: A052580
Score: 16.5963
Type of gen. func.: lgdegf]

$$-\frac{2 x (x - 1)}{(2 x - 1) (x^2 + 2 x - 1)}$$

Sequence: A052580
Score: 8.30408
Type of gen. func.: egf]

$$f(x) x^2 + 2 f(x) x - f(x) - 2 x + 1$$

Sequence: A052581
Score: 12.1161
Type of gen. func.: egf]

$$\frac{x - 1}{x^4 + x - 1}$$

Sequence: A052581
Score: 19.3653
Type of gen. func.: lgdegf]

$$-\frac{x^3 (3 x - 4)}{(x - 1) (x^4 + x - 1)}$$

Sequence: A052581
Score: 8.65434
Type of gen. func.: egf]

$$f(x) x^4 + f(x) x - f(x) - x + 1$$

Sequence: A052582
Score: 13.6877
Type of gen. func.: egf]

$$\frac{2 x}{(x - 1)^2}$$

Sequence: A052582
Score: 21.6352
Type of gen. func.: revegf]

$$\frac{2 x}{(1 + (2 x + 1)^{1/2})^2}$$

Sequence: A052582
Score: 4.56256
Type of gen. func.: ogf

$$\{(-n^2 - 4 n - 4) a(n + 1) + (n + 1) a(n + 2), a(0) = 0, a(1) = 2\}$$

Sequence: A052582
Score: 62.2013
Type of gen. func.: lgdegf]

$$- \frac{2}{x - 1}$$

Sequence: A052582
Score: 8.58379
Type of gen. func.: egf]

$$-f(x) x^2 + 2 f(x) x - f(x) + 2 x$$

Sequence: A052583
Score: 10.4558
Type of gen. func.: egf]

$$\frac{x (x - 1)}{x^2 + x - 1}$$

Sequence: A052583
Score: 14.0679
Type of gen. func.: revegf]

$$\frac{-x - 1 + (5 x^2 - 2 x + 1)^{1/2}}{2 (x - 1)}$$

Sequence: A052583
Score: 21.1018
Type of gen. func.: lgdegf]

$$- \frac{x (x - 2)}{(x - 1) (x^2 + x - 1)}$$

Sequence: A052583
Score: 5.75654
Type of gen. func.: egf]

$$(f(x) - 1) (f(x) x^2 + f(x) x - x^2 - f(x) + x)$$

Sequence: A052584
Score: 10.6344
Type of gen. func.: egf]

$$2 f(x) x^2 - 3 f(x) x - x^2 + f(x) + 4 x - 2$$

Sequence: A052584
Score: 12.4286
Type of gen. func.: lgdegf]

$$\frac{5 x^{2} - 6 x + 2}{(2 x - 1) (x - 1) (x^{2} - 4 x + 2)}$$

Sequence: A052584
Score: 14.2461
Type of gen. func.: egf]

$$\frac{x^{2} - 4 x + 2}{(2 x - 1) (x - 1)}$$

Sequence: A052584
Score: 3.47945
Type of gen. func.: ogf

$$\{(-2 n^{3} - 6 n^{2} - 4 n) a(n) + (2 n^{3} + 19 n^{2} + 48 n + 36) a(n + 1) + (-3 n^{2} - 19 n - 27) a(n + 2) + (n + 3) a(n + 3), a(0) = 2, a(1) = 2, a(2) = 6\}$$

Sequence: A052585
Score: 20.4254
Type of gen. func.: egf]

$$- \frac{1}{(x + 1) (2 x - 1)}$$

Sequence: A052585
Score: 21.8663
Type of gen. func.: lgdegf]

$$- \frac{1 + 4 x}{(x + 1) (2 x - 1)}$$

```
------------------------------------------------------------------------------

Sequence:  A052585
Score: 4.68083
Type of gen. func.: ogf


     2
{(2 n  + 10 n + 12) a(n + 1) + (n + 3) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 1,

    a(2) = 6}



------------------------------------------------------------------------------

Sequence:  A052585
Score: 8.12096
Type of gen. func.: egf]


                                         2
                 (11 f(x) - 10) (2 f(x) x  + f(x) x - f(x) + 1)



------------------------------------------------------------------------------

Sequence:  A052586
Score: 10.4558
Type of gen. func.: egf]


                                        2
                              (x - 1) (x  + x + 1)
                              --------------------
                                    3
                                   x  + x - 1



------------------------------------------------------------------------------

Sequence:  A052586
Score: 13.9043
Type of gen. func.: lgdegf]


                                      3
                                   2 x  + 1
                       ---------------------------------
                                 2            3
                       (x - 1) (x  + x + 1) (x  + x - 1)



------------------------------------------------------------------------------

Sequence:  A052586
Score: 4.49415
Type of gen. func.: egf]


   {-a(n + 4) + a(n + 3) + a(n + 1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1}



------------------------------------------------------------------------------
```

Sequence: A052586
Score: 5.50895
Type of gen. func.: egf]

$$-(f(x) - 1) (f(x) x^{3} - x^{3} + f(x) x - f(x) + 1)$$

Sequence: A052587
Score: 12.2358
Type of gen. func.: egf]

$$\frac{x^{2} (x - 1)}{2 x - 1}$$

Sequence: A052587
Score: 3.31693
Type of gen. func.: ogf

$$\{(-6 n^{2} - 6 n + 12) a(n + 1) + (2 n^{2} + 11 n + 3) a(n + 2) + (-n - 1) a(n + 3),$$

$$a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A052587
Score: 34.0451
Type of gen. func.: lgdegf]

$$\frac{1}{(2 x - 1) (x - 1)}$$

Sequence: A052587
Score: 7.75507
Type of gen. func.: egf]

$$-f(x) (-x^{3} + 2 f(x) x + x^{2} - f(x))$$

Sequence: A052588
Score: 11.5217
Type of gen. func.: lgdegf]

3   2

$$-\frac{x (3 x - 6 x + 2 x + 2)}{(x - 1) (x^4 - x^3 - x^2 - x + 1)}$$

Sequence: A052588
Score: 4.34542
Type of gen. func.: egf]

$$(107 f(x) - 18) (f(x) x^4 - f(x) x^3 - f(x) x^2 - f(x) x + f(x) + x - 1)$$

Sequence: A052588
Score: 8.83333
Type of gen. func.: egf]

$$-\frac{x - 1}{x^4 - x^3 - x^2 - x + 1}$$

Sequence: A052589
Score: 11.526
Type of gen. func.: egf]

$$-2 f(x) x^2 + 3 f(x) x - f(x) + x$$

Sequence: A052589
Score: 15.5029
Type of gen. func.: revegf]

$$-\frac{-1 - 3 x + (x^2 + 6 x + 1)^{1/2}}{4 x}$$

Sequence: A052589
Score: 20.6070
Type of gen. func.: egf]

$$\frac{x}{(2 x - 1) (x - 1)}$$

Sequence: A052589
Score: 22.2433
Type of gen. func.: lgdegf]

$$-\frac{4 x - 3}{(2 x - 1) (x - 1)}$$

Sequence: A052589
Score: 4.75546
Type of gen. func.: ogf

$$\{(-2 n^2 - 10 n - 12) a(n + 1) + (3 n + 9) a(n + 2) - a(n + 3), a(0) = 0, a(1) = 1, a(2) = 6\}$$

Sequence: A052590
Score: 12.0254
Type of gen. func.: egf]

$$-\frac{x - 1}{2 x^2 - 4 x + 1}$$

Sequence: A052590
Score: 15.5827
Type of gen. func.: lgdegf]

$$-\frac{2 x^2 - 4 x + 3}{(x - 1) (2 x^2 - 4 x + 1)}$$

Sequence: A052590
Score: 7.02784
Type of gen. func.: egf]

$$f(x) (2 f(x) x^2 - 4 f(x) x + f(x) + x - 1)$$

Sequence: A052591
Score: 12.3158
Type of gen. func.: egf]

$$\frac{x}{(x + 1)\ (x - 1)^2}$$

Sequence: A052591
Score: 27.2611
Type of gen. func.: lgdegf]

$$-\frac{1 + 3\ x}{(x - 1)\ (x + 1)}$$

Sequence: A052591
Score: 3.31862
Type of gen. func.: ogf

$$\{(n^3 + 8\ n^2 + 21\ n + 18)\ a(n + 1) + (n + 3)\ a(n + 2) + (-n - 2)\ a(n + 3),$$

$$a(0) = 0,\ a(1) = 1,\ a(2) = 2\}$$

Sequence: A052591
Score: 9.1527
Type of gen. func.: egf]

$$f(x)\ x^3 - f(x)\ x^2 - f(x)\ x + f(x) - x$$

Sequence: A052592
Score: 12.5291
Type of gen. func.: egf]

$$-4\ f(x)\ x + f(x) + x - 1$$

Sequence: A052592
Score: 15.2381
Type of gen. func.: egf]

```
x - 1
-------
```

$$4 x - 1$$

Sequence: A052592
Score: 3.91534
Type of gen. func.: ogf

$$\{(4 n^2 + 4 n) a(n) + (-4 n^2 - 17 n - 16) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A052592
Score: 36.8317
Type of gen. func.: lgdegf]

$$\frac{3}{(4 x - 1) (x - 1)}$$

Sequence: A052593
Score: 10.0952
Type of gen. func.: lgdegf]

$$-a(n + 4) + a(n + 3) + a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 5$$

Sequence: A052593
Score: 15.3468
Type of gen. func.: egf]

$$-\frac{1}{x^4 + x - 1}$$

Sequence: A052593
Score: 5.95816
Type of gen. func.: egf]

$$-(f(x) - 2) (f(x) x^4 + f(x) x - f(x) + 1)$$

Sequence: A052594

Score: 10.3228
Type of gen. func.: egf]

$$\frac{x (2 x + 1) (x - 1)}{2 x - 1}$$

Sequence: A052594
Score: 13.8095
Type of gen. func.: lgdegf]

$$\frac{4 x^2 - 4 x + 3}{(x - 1) (2 x + 1) (2 x - 1)}$$

Sequence: A052594
Score: 6.24463
Type of gen. func.: egf]

$$(44 f(x) + 85) (-2 x^3 + 2 f(x) x + x^2 - f(x) + x)$$

Sequence: A052595
Score: 16.2266
Type of gen. func.: egf]

$$- \frac{1}{x^2 + 3 x - 1}$$

Sequence: A052595
Score: 26.2072
Type of gen. func.: lgdegf]

$$- \frac{3 + 2 x}{x^2 + 3 x - 1}$$

Sequence: A052595
Score: 3.74459
Type of gen. func.: ogf

$\{(n^2 + 5 n + 6) a(n + 1) + (3 n + 9) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 3,$

$a(2) = 20\}$

Sequence: A052595
Score: 6.22648
Type of gen. func.: egf]

$$-(11 f(x) - 2) (f(x) x^2 + 3 f(x) x - f(x) + 1)$$

Sequence: A052596
Score: 11.8674
Type of gen. func.: egf]

$$\frac{(x^2 - x + 1) (x^3 - x - 1)}{x - 1}$$

Sequence: A052596
Score: 12.1133
Type of gen. func.: lgdegf]

$$\frac{4 x^5 - 8 x^4 + 4 x^3 + 1}{(x - 1) (x^2 - x + 1) (x^3 - x - 1)}$$

Sequence: A052597
Score: 17.0666
Type of gen. func.: egf]

$$- \frac{1}{x^3 + x^2 - 1}$$

Sequence: A052597
Score: 24.0961
Type of gen. func.: lgdegf]

$$- \frac{x (3 x + 2)}{}$$

$$x^3 + x^2 - 1$$

Sequence: A052597
Score: 3.27440
Type of gen. func.: ogf

$$\{(-n^3 - 9 n^2 - 26 n - 24) a(n + 1) + (-n^2 - 7 n - 12) a(n + 2) + a(n + 4),$$

$$a(0) = 1, a(1) = 0, a(2) = 2, a(3) = 6\}$$

Sequence: A052597
Score: 9.54572
Type of gen. func.: egf]

$$f(x) x^3 + f(x) x^2 - f(x) + 1$$

Sequence: A052598
Score: 11.2403
Type of gen. func.: egf]

$$\frac{x - 1}{(x + 1) (2 x - 1)}$$

Sequence: A052598
Score: 16.0369
Type of gen. func.: lgdegf]

$$- \frac{2 x (x - 2)}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A052598
Score: 8.02881
Type of gen. func.: egf]

$$2 f(x) x^2 + f(x) x - f(x) - x + 1$$

Sequence: A052599
Score: 16.2912
Type of gen. func.: egf]

$$-\frac{1}{x^3 + 2x - 1}$$

Sequence: A052599
Score: 22.8716
Type of gen. func.: lgdegf]

$$-\frac{3x^2 + 2}{x^3 + 2x - 1}$$

Sequence: A052599
Score: 5.71924
Type of gen. func.: egf]

{-a(n + 3) + 2 a(n + 2) + a(n), a(0) = 1, a(1) = 2, a(2) = 4}

Sequence: A052599
Score: 6.63715
Type of gen. func.: egf]

$$(f(x) - 1)\,(f(x)\,x^3 + 2\,f(x)\,x - f(x) + 1)$$

Sequence: A052600
Score: 14.2956
Type of gen. func.: egf]

$$\frac{1}{(x - 1)\,(2x - 1)\,(x + 1)}$$

Sequence: A052600
Score: 14.3716
Type of gen. func.: lgdegf]

2

$$-\frac{2 (3 x - x - 1)}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A052600
Score: 4.72266
Type of gen. func.: egf]

$$\{a(n + 3) - 2 a(n + 2) - a(n + 1) + 2 a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A052600
Score: 5.03751
Type of gen. func.: egf]

$$-(21 f(x) + 44) (2 f(x) x^3 - f(x) x^2 - 2 f(x) x + f(x) - 1)$$

Sequence: A052601
Score: 11.7123
Type of gen. func.: egf]

$$\frac{x - 1}{2 x^3 + x - 1}$$

Sequence: A052601
Score: 15.7929
Type of gen. func.: lgdegf]

$$-\frac{2 x^2 (2 x - 3)}{(x - 1) (2 x^3 + x - 1)}$$

Sequence: A052601
Score: 5.72886
Type of gen. func.: egf]

$$\{-a(n + 3) + a(n + 2) + 2 a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$$

Sequence: A052601
Score: 8.36595
Type of gen. func.: egf]

$$2 f(x) x^3 + f(x) x - f(x) - x + 1$$

Sequence: A052602
Score: 20.8564
Type of gen. func.: lgdegf]

$$- \frac{x (x - 2)}{(x - 1) (x^2 + x - 1)}$$

Sequence: A052602
Score: 3.52097
Type of gen. func.: ogf

$$\{(n^2 + 3 n + 2) a(n) + (n + 2) a(n + 1) - a(n + 2), a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 0\}$$

Sequence: A052602
Score: 5.65729
Type of gen. func.: egf]

$$-f(x) (f(x) x^2 - x^3 + f(x) x + x^2 - f(x))$$

Sequence: A052602
Score: 9.49998
Type of gen. func.: egf]

$$\frac{x^2 (x - 1)}{x^2 + x - 1}$$

Sequence: A052603
Score: 18.6475
Type of gen. func.: lgdegf]

$$\frac{2x+1}{(x-1)(x^{3}-3x^{2}+4x-1)}$$

Sequence: A052603
Score: 4.43335
Type of gen. func.: egf]

$$\{a(n+4)-4a(n+3)+3a(n+2)-a(n+1),\ a(0)=1,\ a(1)=1,\ a(2)=4,\ a(3)=13\}$$

Sequence: A052603
Score: 4.79379
Type of gen. func.: egf]

$$-(2f(x)-5)(f(x)x^{3}-3f(x)x^{2}-x^{3}+4f(x)x+3x^{2}-f(x)-3x+1)$$

Sequence: A052603
Score: 8.54543
Type of gen. func.: egf]

$$\frac{(x-1)^{3}}{x^{3}-3x^{2}+4x-1}$$

Sequence: A052604
Score: 11.5615
Type of gen. func.: lgdegf]

$$-\frac{3x^{4}-6x^{3}+3x^{2}+1}{(x-1)(x^{4}-x^{3}-2x+1)}$$

Sequence: A052604
Score: 4.81729
Type of gen. func.: egf]

```
                          4         3
```

$$-(46 f(x) - 5) (f(x) x - f(x) x - 2 f(x) x + f(x) + x - 1)$$

Sequence: A052604
Score: 9.81636
Type of gen. func.: egf]

$$-\frac{x - 1}{x^4 - x^3 - 2 x + 1}$$

Sequence: A052605
Score: 16.7528
Type of gen. func.: lgdegf]

$$-\frac{x^2 (2 x - 3)}{(x - 1) (x^3 + x - 1)}$$

Sequence: A052605
Score: 5.31279
Type of gen. func.: egf]

$$\{-a(n + 3) + a(n + 2) + a(n), a(0) = 0, a(1) = 1, a(2) = 0\}$$

Sequence: A052605
Score: 7.29518
Type of gen. func.: egf]

$$-f(x) x^3 - f(x) x + x^2 + f(x) - x$$

Sequence: A052605
Score: 9.97504
Type of gen. func.: egf]

$$\frac{x (x - 1)}{x^3 + x - 1}$$

Sequence: A052606
Score: 10.3706
Type of gen. func.: egf]

$$\frac{(x-1)^2}{x^2-4x+1}$$

Sequence: A052606
Score: 20.7042
Type of gen. func.: lgdegf]

$$-\frac{2(x+1)}{(x-1)(x^2-4x+1)}$$

Sequence: A052606
Score: 5.38866
Type of gen. func.: egf]

{-a(n + 3) + 4 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 2, a(2) = 8}

Sequence: A052606
Score: 7.74146
Type of gen. func.: egf]

$$-f(x)\,x^2 + 4\,f(x)\,x + x^2 - f(x) - 2\,x + 1$$

Sequence: A052607
Score: 10.3438
Type of gen. func.: egf]

$$\frac{(x-1)(x^2+x+1)}{x^3+x^2-1}$$

Sequence: A052607
Score: 14.2691
Type of gen. func.: lgdegf]

$$\frac{x (x^3 + 2)}{(x - 1) (x^2 + x + 1) (x^3 + x^2 - 1)}$$

Sequence: A052607
Score: 4.89481
Type of gen. func.: egf]

$$\{-a(n + 4) + a(n + 2) + a(n + 1), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 0\}$$

Sequence: A052607
Score: 8.18237
Type of gen. func.: egf]

$$f(x) x^3 + f(x) x^2 - x^3 - f(x) + 1$$

Sequence: A052608
Score: 12.0753
Type of gen. func.: egf]

$$\frac{x - 1}{x^2 + 2 x - 1}$$

Sequence: A052608
Score: 17.1557
Type of gen. func.: lgdegf]

$$- \frac{x^2 - 2 x - 1}{(x - 1) (x^2 + 2 x - 1)}$$

Sequence: A052608
Score: 6.31849
Type of gen. func.: egf]

$$(10 f(x) - 9) (f(x) x^2 + 2 f(x) x - f(x) - x + 1)$$

Sequence: A052609
Score: 13.5285
Type of gen. func.: egf]

$$\frac{2 x^{2}}{(x - 1)^{2}}$$

Sequence: A052609
Score: 4.55050
Type of gen. func.: ogf

$$\{(-1 + n) a(n + 1) + (-n^{2} - n) a(n), a(0) = 0, a(1) = 0, a(2) = 4\}$$

Sequence: A052609
Score: 6.50071
Type of gen. func.: egf]

$$f(x) (f(x) x^{2} - 2 f(x) x - 2 x^{2} + f(x))$$

Sequence: A052609
Score: 61.8332
Type of gen. func.: lgdegf]

$$- \frac{2}{x - 1}$$

Sequence: A052610
Score: 16.7744
Type of gen. func.: egf]

$$- \frac{1}{2 x^{3} + x - 1}$$

Sequence: A052610
Score: 24.6262
Type of gen. func.: lgdegf]

$$-\frac{6x^2+1}{2x^3+x-1}$$

Sequence: A052610
Score: 3.33467
Type of gen. func.: ogf

$$\{(-2n^3-18n^2-52n-48)a(n+1)+(-n-4)a(n+3)+a(n+4), a(0)=1, a(1)=1, a(2)=2, a(3)=18\}$$

Sequence: A052610
Score: 6.51241
Type of gen. func.: egf]

$$-(f(x)-1)(2f(x)x^3+f(x)x-f(x)+1)$$

Sequence: A052611
Score: 17.5174
Type of gen. func.: egf]

$$-\frac{1}{2x^2+2x-1}$$

Sequence: A052611
Score: 23.6047
Type of gen. func.: lgdegf]

$$-\frac{2(2x+1)}{2x^2+2x-1}$$

Sequence: A052611
Score: 3.98672

```
Type of gen. func.: ogf


     2
{(2 n  + 10 n + 12) a(n + 1) + (2 n + 6) a(n + 2) - a(n + 3), a(0) = 1,

    a(1) = 2, a(2) = 12}



-------------------------------------------------------------------------------

Sequence:  A052611
Score: 7.04969
Type of gen. func.: egf]


                                       2
                (11 f(x) - 7) (2 f(x) x  + 2 f(x) x - f(x) + 1)



-------------------------------------------------------------------------------

Sequence:  A052612
Score: 11.5169
Type of gen. func.: egf]


                                    x (x + 2)
                               - ---------------
                                 (x - 1) (x + 1)



-------------------------------------------------------------------------------

Sequence:  A052612
Score: 16.9758
Type of gen. func.: lgdegf]


                                   2
                                  x  + 4 x + 1
                           - -----------------------
                             (x - 1) (x + 2) (x + 1)



-------------------------------------------------------------------------------

Sequence:  A052612
Score: 19.5875
Type of gen. func.: revegf]


                                     2         1/2
                              -1 + (x  + x + 1)
                              --------------------
                                     x + 1



-------------------------------------------------------------------------------

Sequence:  A052612
Score: 7.29946
Type of gen. func.: egf]


                                       2    2
```

$$(f(x) + 2) (f(x) x + x - f(x) + 2 x)$$

Sequence: A052613
Score: 10.8333
Type of gen. func.: egf]

$$-\frac{2 x - 1}{x^{3} - x^{2} - 2 x + 1}$$

Sequence: A052613
Score: 13.7886
Type of gen. func.: lgdegf]

$$-\frac{x (4 x^{2} - 5 x + 2)}{(2 x - 1) (x^{3} - x^{2} - 2 x + 1)}$$

Sequence: A052613
Score: 5.36603
Type of gen. func.: egf]

$$-(4 f(x) - 5) (f(x) x^{3} - f(x) x^{2} - 2 f(x) x + f(x) + 2 x - 1)$$

Sequence: A052614
Score: 12.7675
Type of gen. func.: lgdegf]

$$-a(n + 4) + a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 5$$

Sequence: A052614
Score: 13.3712
Type of gen. func.: egf]

$$\frac{1}{(x^{2} + 1) (x + 1) (x - 1)^{2}}$$

Sequence: A052614
Score: 5.77073
Type of gen. func.: egf]

$$-f(x) (f(x) x^5 - f(x) x^4 - f(x) x + f(x) - 1)$$

Sequence: A052615
Score: 10.7994
Type of gen. func.: egf]

$$\frac{x^3 (2 x^2 - 2 x - 1)}{x - 1}$$

Sequence: A052615
Score: 17.2523
Type of gen. func.: lgdegf]

$$\frac{2 x^2 - 4 x + 3}{(x - 1) (2 x^2 - 2 x - 1)}$$

Sequence: A052615
Score: 7.6316
Type of gen. func.: egf]

$$f(x) (-2 x^5 + 2 x^4 + x^3 + f(x) x - f(x))$$

Sequence: A052616
Score: 10.9742
Type of gen. func.: egf]

$$(39 f(x) - 101) (f(x) x^2 - f(x) + 2 x + 3)$$

Sequence: A052616
Score: 13.1520
Type of gen. func.: egf]

$$-\frac{3 + 2 x}{(x - 1) (x + 1)}$$

Sequence: A052616
Score: 15.5073
Type of gen. func.: lgdegf]

$$-\frac{2 (x^{2} + 3 x + 1)}{(x - 1) (3 + 2 x) (x + 1)}$$

Sequence: A052617
Score: 10.3072
Type of gen. func.: egf]

$$-\frac{x^{2} - x - 1}{(2 x - 1) (x - 1)}$$

Sequence: A052617
Score: 14.4519
Type of gen. func.: lgdegf]

$$-\frac{x^{2} - 6 x + 4}{(x - 1) (2 x - 1) (x^{2} - x - 1)}$$

Sequence: A052617
Score: 5.87398
Type of gen. func.: egf]

$$(3 f(x) + 5) (2 f(x) x^{2} - 3 f(x) x + x^{2} + f(x) - x - 1)$$

Sequence: A052618
Score: 18.3494
Type of gen. func.: egf]

$$-\frac{1}{{}^{3}}$$

$$(x + 1) (x - 1)$$

Sequence: A052618
Score: 30.3068
Type of gen. func.: lgdegf]

$$-\frac{2 (2 x + 1)}{(x - 1) (x + 1)}$$

Sequence: A052618
Score: 5.34589
Type of gen. func.: ogf

$$\{(-n^2 - 7 n - 10) a(n + 1) + a(n + 3) - 2 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 8\}$$

Sequence: A052618
Score: 6.85786
Type of gen. func.: egf]

$$(5 f(x) - 7) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x - f(x) + 1)$$

Sequence: A052619
Score: 11.9829
Type of gen. func.: egf]

$$3 x^3 + f(x) x - f(x)$$

Sequence: A052619
Score: 18.5942
Type of gen. func.: egf]

$$-\frac{3 x^3}{x - 1}$$

Sequence: A052619
Score: 4.90210
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 1) + a(n + 2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 18\}$$

Sequence: A052619
Score: 67.0295
Type of gen. func.: lgdegf]

$$-\frac{1}{x - 1}$$

Sequence: A052620
Score: 10.9071
Type of gen. func.: egf]

$$\frac{(x - 1)^2}{x^3 - 3 x + 1}$$

Sequence: A052620
Score: 15.7365
Type of gen. func.: lgdegf]

$$-\frac{x^3 - 3 x^2 + 3 x + 1}{(x - 1) (x^3 - 3 x + 1)}$$

Sequence: A052620
Score: 6.14972
Type of gen. func.: egf]

$$\{a(n + 3) - 3 a(n + 2) + a(n), a(0) = 1, a(1) = 1, a(2) = 4\}$$

Sequence: A052620
Score: 6.14973
Type of gen. func.: egf]

3 2

$$(61 f(x) - 6) (f(x) x - 3 f(x) x - x + f(x) + 2 x - 1)$$

Sequence: A052621
Score: 10.2018
Type of gen. func.: egf]

$$- \frac{x^3 + x^2 + x + 2}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A052621
Score: 6.68395
Type of gen. func.: egf]

$$-(f(x) - 1) (f(x) x^4 + x^3 + x^2 - f(x) + x + 2)$$

Sequence: A052621
Score: 8.13322
Type of gen. func.: lgdegf]

$$- \frac{x^6 + 2 x^5 + 3 x^4 + 8 x^3 + 3 x^2 + 2 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^3 + x^2 + x + 2)}$$

Sequence: A052622
Score: 11.2666
Type of gen. func.: egf]

$$\frac{(x - 1) (x + 1)}{x^2 + 2 x - 1}$$

Sequence: A052622
Score: 16.3788
Type of gen. func.: lgdegf]

```
                 2
            2 (x  + 1)
      ------------------------------
                     2
```

$$(x - 1) (x + 1) (x + 2 x - 1)$$

Sequence: A052622
Score: 4.11986
Type of gen. func.: ogf

$$\{(-n^2 - 3 n - 2) a(n) + (-2 n - 4) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 2, a(2) = 8\}$$

Sequence: A052622
Score: 8.23972
Type of gen. func.: egf]

$$-f(x) x^2 - 2 f(x) x + x^2 + f(x) - 1$$

Sequence: A052623
Score: 22.0391
Type of gen. func.: lgdegf]

$$- \frac{x + 1}{(x - 1) (x^2 - 3 x + 1)}$$

Sequence: A052623
Score: 4.75760
Type of gen. func.: egf]

$$\{a(n + 4) - 3 a(n + 3) + a(n + 2), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 3\}$$

Sequence: A052623
Score: 7.16812
Type of gen. func.: egf]

$$f(x) x^2 - x^3 - 3 f(x) x + 2 x^2 + f(x) - x$$

Sequence: A052623
Score: 9.43174

Type of gen. func.: egf]

$$\frac{x (x - 1)^2}{x^2 - 3 x + 1}$$

Sequence: A052624
Score: 11.5460
Type of gen. func.: lgdegf]

$$\frac{2 (x^4 - 3 x^3 + 3 x^2 - x - 1)}{(x - 1) (x^4 - 2 x^3 + x^2 + 1)}$$

Sequence: A052624
Score: 5.29153
Type of gen. func.: egf]

$$(14 f(x) + 33) (-x^4 + f(x) x^2 + 2 x^3 - 2 f(x) x - x^2 + f(x) - 1)$$

Sequence: A052624
Score: 8.71066
Type of gen. func.: egf]

$$\frac{x^4 - 2 x^3 + x^2 + 1}{(x - 1)^2}$$

Sequence: A052625
Score: 16.3784
Type of gen. func.: lgdegf]

$$- \frac{x^2 (x - 3)}{(x - 1) (x^3 - x^2 + 2 x - 1)}$$

Sequence: A052625

Score: 4.81817
Type of gen. func.: egf]

$$\{a(n + 3) - 2 a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$$

Sequence: A052625
Score: 5.95505
Type of gen. func.: egf]

$$-f(x) x^3 + f(x) x^2 - 2 f(x) x - x^2 + f(x) + 2 x - 1$$

Sequence: A052625
Score: 8.68851
Type of gen. func.: egf]

$$-\frac{(x - 1)^2}{x^3 - x^2 + 2 x - 1}$$

Sequence: A052626
Score: 11.6899
Type of gen. func.: egf]

$$-\frac{5 x - 3}{(2 x - 1) (x - 1)}$$

Sequence: A052626
Score: 13.1919
Type of gen. func.: lgdegf]

$$-\frac{2 (5 x^2 - 6 x + 2)}{(x - 1) (5 x - 3) (2 x - 1)}$$

Sequence: A052626
Score: 8.34996
Type of gen. func.: egf]

$$2 f(x) x^2 - 3 f(x) x + f(x) + 5 x - 3$$

Sequence: A052627
Score: 11.7166
Type of gen. func.: egf]

$$\frac{x-1}{(x^2-x+1)(x^3+x^2-1)}$$

Sequence: A052627
Score: 12.8597
Type of gen. func.: lgdegf]

$$-\frac{x^4(4x-5)}{(x-1)(x^2-x+1)(x^3+x^2-1)}$$

Sequence: A052627
Score: 4.5064
Type of gen. func.: egf]

$$-x^5-f(x)^3x+f(x)^3+4f(x)^2x-4f(x)^2-6f(x)x+6f(x)+3x-3$$

Sequence: A052628
Score: 10.1620
Type of gen. func.: lgdegf]

$$\frac{3x^4-6x^3+3x^2+2}{(x-1)(x+1)(x^3-2x^2+2x-2)}$$

Sequence: A052628
Score: 10.8213
Type of gen. func.: egf]

$$\frac{(x+1)(x^3-2x^2+2x-2)}{x-1}$$

Sequence: A052628
Score: 6.4664
Type of gen. func.: egf]

$$(23 f(x) + 137) (-x^4 + x^3 + f(x) x - f(x) + 2)$$

Sequence: A052629
Score: 12.8439
Type of gen. func.: egf]

$$- \frac{x - 1}{3 x^2 - 5 x + 1}$$

Sequence: A052629
Score: 16.6659
Type of gen. func.: lgdegf]

$$- \frac{3 x^2 - 6 x + 4}{(x - 1) (3 x^2 - 5 x + 1)}$$

Sequence: A052629
Score: 6.49411
Type of gen. func.: egf]

$$-(7 f(x) + 1) (3 f(x) x^2 - 5 f(x) x + f(x) + x - 1)$$

Sequence: A052630
Score: 17.5144
Type of gen. func.: egf]

$$- \frac{1}{x^2 + 4 x - 1}$$

Sequence: A052630
Score: 28.3321
Type of gen. func.: lgdegf]

$$-\frac{2\ (x + 2)}{x^2 + 4\ x - 1}$$

Sequence: A052630
Score: 4.01372
Type of gen. func.: ogf

$$\{(n^2 + 5\ n + 6)\ a(n + 1) + (4\ n + 12)\ a(n + 2) - a(n + 3),\ a(0) = 1,\ a(1) = 4,\ a(2) = 34\}$$

Sequence: A052630
Score: 6.79971
Type of gen. func.: egf]

$$-(9\ f(x) - 1)\ (f(x)\ x^2 + 4\ f(x)\ x - f(x) + 1)$$

Sequence: A052631
Score: 11.8306
Type of gen. func.: egf]

$$-f(x)\ x^2 - 2\ f(x)\ x + f(x) - x$$

Sequence: A052631
Score: 18.8650
Type of gen. func.: egf]

$$-\frac{x}{x^2 + 2\ x - 1}$$

Sequence: A052631
Score: 20.2652
Type of gen. func.: revegf]

$$\frac{-1 - 2 x + (8 x^2 + 4 x + 1)^{1/2}}{2 x}$$

Sequence: A052631
Score: 34.4509
Type of gen. func.: lgdegf]

$$-\frac{2 (x + 1)}{x^2 + 2 x - 1}$$

Sequence: A052631
Score: 4.95039
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) + (2 n + 6) a(n + 2) - a(n + 3), a(0) = 0, a(1) = 1, a(2) = 4\}$$

Sequence: A052632
Score: 14.7222
Type of gen. func.: lgdegf]

$$-\frac{5 x^4 + 1}{(x^2 - x + 1) (x^3 + x^2 - 1)}$$

Sequence: A052632
Score: 15.0791
Type of gen. func.: egf]

$$-\frac{1}{(x^2 - x + 1) (x^3 + x^2 - 1)}$$

Sequence: A052632
Score: 6.14334
Type of gen. func.: egf]

$$(f(x) - 2) (f(x) x^5 + f(x) x - f(x) + 1)$$

Sequence: A052633
Score: 25.0552
Type of gen. func.: lgdegf]

$$-\frac{x - 3}{(x - 1) (x^2 - x - 1)}$$

Sequence: A052633
Score: 5.99146
Type of gen. func.: egf]

$$f(x) (x^4 + f(x) x^2 - x^3 - 2 f(x) x - x^2 + f(x))$$

Sequence: A052633
Score: 9.13452
Type of gen. func.: egf]

$$-\frac{x^2 (x^2 - x - 1)}{(x - 1)^2}$$

Sequence: A052634
Score: 14.5631
Type of gen. func.: egf]

$$\frac{1}{(x - 1) (2 x^2 - 1)}$$

Sequence: A052634
Score: 17.0018
Type of gen. func.: lgdegf]

$$-\frac{6 x^2 - 4 x - 1}{\quad^{2}}$$

$$(x - 1) (2 x - 1)$$

Sequence: A052634
Score: 5.33497
Type of gen. func.: egf]

$$(15 f(x) + 26) (2 f(x) x^3 - 2 f(x) x^2 - f(x) x + f(x) - 1)$$

Sequence: A052635
Score: 12.6534
Type of gen. func.: egf]

$$\frac{3 x - 1}{x^2 + 3 x - 1}$$

Sequence: A052635
Score: 18.6911
Type of gen. func.: lgdegf]

$$- \frac{x (3 x - 2)}{(3 x - 1) (x^2 + 3 x - 1)}$$

Sequence: A052635
Score: 9.03815
Type of gen. func.: egf]

$$f(x) x^2 + 3 f(x) x - f(x) - 3 x + 1$$

Sequence: A052636
Score: 4.23898
Type of gen. func.: egf]

$$-(f(x) - 74) (2 f(x) x^3 - 2 f(x) x^2 - f(x) x + 2 x^2 + f(x) + x - 2)$$

Sequence: A052636

Score: 4.39037
Type of gen. func.: egf]

$$\{-a(n + 3) + a(n + 2) + 2 a(n + 1) - 2 a(n), a(0) = 2, a(1) = 1, a(2) = 3\}$$

Sequence: A052636
Score: 8.06100
Type of gen. func.: egf]

$$-\frac{2 x^2 + x - 2}{(x - 1) (2 x^2 - 1)}$$

Sequence: A052636
Score: 8.72625
Type of gen. func.: lgdegf]

$$-\frac{4 x^4 + 4 x^3 - 12 x^2 + 4 x + 1}{(x - 1) (2 x^2 - 1) (2 x^2 + x - 2)}$$

Sequence: A052637
Score: 11.1881
Type of gen. func.: egf]

$$\frac{3 x (x^2 - x - 1)}{x - 1}$$

Sequence: A052637
Score: 19.9715
Type of gen. func.: lgdegf]

$$\frac{x^2 - 2 x + 2}{(x - 1) (x^2 - x - 1)}$$

Sequence: A052637
Score: 6.85274

Type of gen. func.: egf]

$$(2 f(x) + 63) (-3 x^3 + f(x) x + 3 x^2 - f(x) + 3 x)$$

Sequence: A052638
Score: 10.7222
Type of gen. func.: egf]

$$\frac{x^2 (2 x + 1) (x - 1)}{2 x - 1}$$

Sequence: A052638
Score: 15.6219
Type of gen. func.: lgdegf]

$$\frac{4 x^2 - 4 x + 3}{(x - 1) (2 x + 1) (2 x - 1)}$$

Sequence: A052638
Score: 6.1105
Type of gen. func.: egf]

$$-(4376 f(x) + 3415) (-2 x^4 + x^3 + 2 f(x) x + x^2 - f(x))$$

Sequence: A052639
Score: 12.4975
Type of gen. func.: egf]

$$\frac{2 x - 1}{x^3 + 2 x - 1}$$

Sequence: A052639
Score: 16.3676
Type of gen. func.: lgdegf]

$$x^2 (4 x - 3)$$

$$- \frac{}{(2 x - 1) (x^3 + 2 x - 1)}$$

Sequence: A052639
Score: 6.11291
Type of gen. func.: egf]

$$\{-a(n + 3) + 2 a(n + 2) + a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$$

Sequence: A052639
Score: 8.92679
Type of gen. func.: egf]

$$f(x) x^3 + 2 f(x) x - f(x) - 2 x + 1$$

Sequence: A052640
Score: 12.1120
Type of gen. func.: lgdegf]

$$- \frac{2 x^3 - 4 x^2 + 2 x + 1}{(x - 1) (x^3 - x^2 - 2 x + 1)}$$

Sequence: A052640
Score: 4.66105
Type of gen. func.: egf]

$$\{a(n + 3) - 2 a(n + 2) - a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 1\}$$

Sequence: A052640
Score: 4.83529
Type of gen. func.: egf]

$$(f(x) + 1) (f(x) x^3 - f(x) x^2 - 2 f(x) x + x^2 + f(x) - x)$$

Sequence: A052640
Score: 9.07677

Type of gen. func.: egf]

$$-\frac{x (x - 1)}{x^3 - x^2 - 2 x + 1}$$

Sequence: A052641
Score: 12.9619
Type of gen. func.: lgdegf]

$$-\frac{2 (x^3 - 2 x^2 + x + 1)}{(x - 1) (x^3 - x^2 - 3 x + 1)}$$

Sequence: A052641
Score: 4.73045
Type of gen. func.: egf]

$$\{-a(n + 3) + 3 a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 7\}$$

Sequence: A052641
Score: 4.86065
Type of gen. func.: egf]

$$-(96 f(x) - 11) (f(x) x^3 - f(x) x^2 - 3 f(x) x + f(x) + x - 1)$$

Sequence: A052641
Score: 9.99642
Type of gen. func.: egf]

$$-\frac{x - 1}{x^3 - x^2 - 3 x + 1}$$

Sequence: A052642
Score: 17.8711
Type of gen. func.: lgdegf]

$$x^2 - 2 x + 3$$

$$\overline{(x-1)(x-2)(x+1)}$$

Sequence: A052642
Score: 5.82504
Type of gen. func.: egf]

$$-(39 f(x) + 341) (-x^4 + x^3 + f(x) x + 2 x^2 - f(x))$$

Sequence: A052642
Score: 9.89157
Type of gen. func.: egf]

$$\frac{x^2 (x + 1) (x - 2)}{x - 1}$$

Sequence: A052643
Score: 19.2140
Type of gen. func.: lgdegf]

$$\frac{2 (x^2 - 2 x + 2)}{(x - 1) (x^2 - x - 1)}$$

Sequence: A052643
Score: 5.17445
Type of gen. func.: egf]

$$(f(x) + 25) (-x^4 + f(x) x^2 + 2 x^3 - 2 f(x) x + x^2 + f(x) - 2 x - 1)$$

Sequence: A052643
Score: 8.24912
Type of gen. func.: egf]

$$\frac{(x^2 - x - 1)^2}{(x - 1)^2}$$

Sequence: A052644
Score: 17.0574
Type of gen. func.: lgdegf]

$$-\frac{-5 + 3 x}{(x - 1) (3 x^2 - 3 x - 1)}$$

Sequence: A052644
Score: 5.3877
Type of gen. func.: egf]

$$(2 f(x) + 23) (f(x) x^2 - 2 f(x) x + 3 x^2 + f(x) - 3 x - 1)$$

Sequence: A052644
Score: 9.55555
Type of gen. func.: egf]

$$-\frac{3 x^2 - 3 x - 1}{(x - 1)^2}$$

Sequence: A052645
Score: 19.1949
Type of gen. func.: lgdegf]

$$\frac{x^2 - 2 x + 2}{(x - 1) (x^2 - x - 1)}$$

Sequence: A052645
Score: 6.99004
Type of gen. func.: egf]

$$f(x) (-2 x^4 + 2 x^3 + f(x) x + 2 x^2 - f(x))$$

Sequence: A052645
Score: 9.89157
Type of gen. func.: egf]

$$\frac{2 x^2 (x^2 - x - 1)}{x - 1}$$

Sequence: A052646
Score: 14.9774
Type of gen. func.: egf]

$$\frac{1}{(x - 1) (x^2 + x - 1)}$$

Sequence: A052646
Score: 17.8775
Type of gen. func.: lgdegf]

$$- \frac{3 x^2 - 2}{(x - 1) (x^2 + x - 1)}$$

Sequence: A052646
Score: 5.25801
Type of gen. func.: egf]

$$\{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A052646
Score: 5.81475
Type of gen. func.: egf]

$$-(f(x) - 1) (f(x) x^3 - 2 f(x) x + f(x) - 1)$$

Sequence: A052647
Score: 4.49613
Type of gen. func.: egf]

$$-(17 f(x) + 23) (2 f(x) x^3 - f(x) x^2 - 2 f(x) x + x^2 + f(x) + 2 x - 2)$$

Sequence: A052647
Score: 4.69685
Type of gen. func.: egf]

$$\{a(n + 3) - 2 a(n + 2) - a(n + 1) + 2 a(n), a(0) = 2, a(1) = 2, a(2) = 5\}$$

Sequence: A052647
Score: 8.62372
Type of gen. func.: egf]

$$-\frac{x^2 + 2 x - 2}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A052647
Score: 9.02607
Type of gen. func.: lgdegf]

$$-\frac{2 (x^4 + 4 x^3 - 6 x^2 + x + 1)}{(x - 1) (2 x - 1) (x + 1) (x^2 + 2 x - 2)}$$

Sequence: A052648
Score: 19.1107
Type of gen. func.: egf]

$$-\frac{5 x}{x - 1}$$

Sequence: A052648
Score: 68.1529
Type of gen. func.: lgdegf]

$$-\frac{1}{x - 1}$$

Sequence: A052648
Score: 7.01532
Type of gen. func.: ogf

$$\{(-n - 1) a(n) + a(n + 1), a(0) = 0, a(1) = 5\}$$

Sequence: A052648
Score: 77.8890
Type of gen. func.: revegf]

$$\frac{x}{5 + x}$$

Sequence: A052648
Score: 9.3934
Type of gen. func.: egf]

$$-f(x) (f(x) x - f(x) + 5 x)$$

Sequence: A052649
Score: 20.1400
Type of gen. func.: lgdegf]

$$- \frac{-5 + x}{(x - 1) (x - 2) (x + 1)}$$

Sequence: A052649
Score: 5.48167
Type of gen. func.: egf]

$$(4 f(x) + 17) (f(x) x^2 - 2 f(x) x + x^2 + f(x) - x - 2)$$

Sequence: A052649
Score: 9.72221
Type of gen. func.: egf]

$$- \frac{(x + 1) (x - 2)}{2}$$

$$(x - 1)$$

Sequence: A052650
Score: 14.9987
Type of gen. func.: egf]

$$- \frac{1}{(2 x - 1) (x - 1)^2}$$

Sequence: A052650
Score: 21.7356
Type of gen. func.: lgdegf]

$$- \frac{2 (3 x - 2)}{(2 x - 1) (x - 1)}$$

Sequence: A052650
Score: 3.80103
Type of gen. func.: ogf

$$\{(2 n^2 + 12 n + 16) a(n + 1) + (-3 n - 10) a(n + 2) + a(n + 3), a(0) = 1,$$
$$a(1) = 4, a(2) = 22\}$$

Sequence: A052650
Score: 5.38788
Type of gen. func.: egf]

$$(321 f(x) - 236) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x - f(x) + 1)$$

Sequence: A052651
Score: 10.3669
Type of gen. func.: lgdegf]

$$- \frac{x^2 (4 x^3 - 8 x^2 + 2 x + 3)}{(x - 1) (x^5 - x^4 - x^3 - x + 1)}$$

Sequence: A052651
Score: 8.25408
Type of gen. func.: egf]

$$-\frac{x-1}{x^5-x^4-x^3-x+1}$$

Sequence: A052652
Score: 11.8432
Type of gen. func.: egf]

$$x^4+2 f(x) x-f(x)$$

Sequence: A052652
Score: 18.3774
Type of gen. func.: egf]

$$-\frac{x^4}{2 x-1}$$

Sequence: A052652
Score: 4.40450
Type of gen. func.: ogf

$\{(-2 n-4) a(n+1)+a(n+2), a(0)=0, a(1)=0, a(2)=0, a(3)=0,$

$a(4)=24\}$

Sequence: A052652
Score: 48.4494
Type of gen. func.: lgdegf]

$$-\frac{2}{2 x-1}$$

Sequence: A052653
Score: 10.3817

Type of gen. func.: egf]

$$\frac{2 x^2 - 1}{(x + 1) (2 x - 1)}$$

Sequence: A052653
Score: 14.2041
Type of gen. func.: lgdegf]

$$\frac{2 x^2 + 1}{(2 x - 1) (x + 1) (2 x^2 - 1)}$$

Sequence: A052653
Score: 3.79631
Type of gen. func.: ogf

$\{(2 n^2 + 6 n + 4) a(n) + (n + 2) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 1,$

$a(2) = 2\}$

Sequence: A052653
Score: 5.71579
Type of gen. func.: egf]

$$(f(x) - 1) (2 f(x) x^2 + f(x) x - 2 x^2 - f(x) + 1)$$

Sequence: A052654
Score: 17.5144
Type of gen. func.: egf]

$$\frac{1}{(4 x - 1) (x - 1)}$$

Sequence: A052654
Score: 25.7565
Type of gen. func.: lgdegf]

$$-\frac{8 x - 5}{(4 x - 1) (x - 1)}$$

Sequence: A052654
Score: 3.95873
Type of gen. func.: ogf

$$\{(4 n^2 + 20 n + 24) a(n + 1) + (-5 n - 15) a(n + 2) + a(n + 3), a(0) = 1,$$
$$a(1) = 5, a(2) = 42\}$$

Sequence: A052654
Score: 7.04848
Type of gen. func.: egf]

$$(17 f(x) + 8) (4 f(x) x^2 - 5 f(x) x + f(x) - 1)$$

Sequence: A052655
Score: 13.7804
Type of gen. func.: lgdegf]

$$\frac{x^3 - 3 x^2 + 3 x - 3}{(x - 1) (x^3 - 2 x^2 + x + 1)}$$

Sequence: A052655
Score: 3.02812
Type of gen. func.: ogf

$$\{(-9 n^3 - 27 n^2 + 36) a(n + 1) + (n^3 + 16 n^2 + 15 n) a(n + 2)$$
$$+ (-n^2 - 3 n - 2) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 6\}$$

Sequence: A052655
Score: 5.28492
Type of gen. func.: egf]

$$(2 f(x) + 19) (-x^4 + f(x) x^2 + 2 x^3 - 2 f(x) x - x^2 + f(x) - x)$$

Sequence: A052655
Score: 8.61849
Type of gen. func.: egf]

$$\frac{x (x^3 - 2 x^2 + x + 1)}{(x - 1)^2}$$

Sequence: A052656
Score: 10.3228
Type of gen. func.: egf]

$$\frac{x (4 x^2 - 2 x - 1)}{2 x - 1}$$

Sequence: A052656
Score: 13.0827
Type of gen. func.: lgdegf]

$$\frac{4 (2 x^2 - 2 x + 1)}{(2 x - 1) (4 x^2 - 2 x - 1)}$$

Sequence: A052656
Score: 6.32269
Type of gen. func.: egf]

$$(4 f(x) + 21) (-4 x^3 + 2 f(x) x + 2 x^2 - f(x) + x)$$

Sequence: A052657
Score: 13.2981
Type of gen. func.: egf]

$$\frac{x^2}{(x + 1) (x - 1)^2}$$

Sequence: A052657
Score: 26.9616
Type of gen. func.: lgdegf]

$$-\frac{3x+1}{(x-1)(x+1)}$$

Sequence: A052657
Score: 3.28448
Type of gen. func.: ogf

$\{(n^3 + 7 n^2 + 16 n + 12) a(n + 1) + (n + 3) a(n + 2) + (-n - 1) a(n + 3),$

$a(0) = 0, a(1) = 0, a(2) = 2\}$

Sequence: A052657
Score: 9.63874
Type of gen. func.: egf]

$$f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x)$$

Sequence: A052658
Score: 13.0789
Type of gen. func.: lgdegf]

$$-\frac{2 x^2 + x + 1}{(x - 1) (x + 1) (x^3 - x^2 - 2 x + 1)}$$

Sequence: A052658
Score: 4.05089
Type of gen. func.: egf]

$\{-a(n + 4) + 2 a(n + 3) + a(n + 2) - a(n + 1), a(0) = 1, a(1) = 1, a(2) = 2,$

$a(3) = 5\}$

Sequence: A052658
Score: 4.34731
Type of gen. func.: egf]

$$-(-1 + 2 f(x)) (f(x) x^3 - f(x) x^2 - x^3 - 2 f(x) x + x^2 + f(x) + x - 1)$$

Sequence: A052658
Score: 7.74954
Type of gen. func.: egf]

$$\frac{(x + 1) (x - 1)^2}{x^3 - x^2 - 2 x + 1}$$

Sequence: A052659
Score: 12.7494
Type of gen. func.: lgdegf]

$$- \frac{2 x^2 - 1}{(2 x - 1) (x - 1) (2 x^2 - 4 x + 1)}$$

Sequence: A052659
Score: 5.11089
Type of gen. func.: egf]

$$\{-a(n + 3) + 4 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 4\}$$

Sequence: A052659
Score: 7.34241
Type of gen. func.: egf]

$$-2 f(x) x^2 + 4 f(x) x + 2 x^2 - f(x) - 3 x + 1$$

Sequence: A052659
Score: 9.83606
Type of gen. func.: egf]

$$\frac{(2 x - 1) (x - 1)}{2 x^2 - 4 x + 1}$$

Sequence: A052660
Score: 5.16577
Type of gen. func.: egf]

$$\{a(n + 3) - 2 a(n + 2) + a(n), a(0) = 2, a(1) = 2, a(2) = 3\}$$

Sequence: A052660
Score: 6.83919
Type of gen. func.: egf]

$$-f(x) x^3 + 2 f(x) x - x^2 - f(x) - 2 x + 2$$

Sequence: A052660
Score: 9.11578
Type of gen. func.: lgdegf]

$$-\frac{x^4 + 4 x^3 - 4 x^2 - 2 x + 2}{(x - 1) (x^2 + 2 x - 2) (x^2 + x - 1)}$$

Sequence: A052660
Score: 9.16192
Type of gen. func.: egf]

$$-\frac{x^2 + 2 x - 2}{(x - 1) (x^2 + x - 1)}$$

Sequence: A052661
Score: 11.7778
Type of gen. func.: egf]

$$-\frac{3 x - 2}{(x - 1) (x^2 + x - 1)}$$

Sequence: A052661
Score: 12.9555
Type of gen. func.: lgdegf]

$$-\frac{6x^3 - 6x^2 + 1}{(3x - 2)(x - 1)(x^2 + x - 1)}$$

Sequence: A052661
Score: 5.63829
Type of gen. func.: egf]

{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 2, a(1) = 1, a(2) = 2}

Sequence: A052661
Score: 6.16278
Type of gen. func.: egf]

$$(f(x) - 14)(f(x) x^3 - 2 f(x) x + f(x) + 3x - 2)$$

Sequence: A052662
Score: 13.1512
Type of gen. func.: lgdegf]

$$-\frac{x^4 - x^2 + 2}{(x - 1)(x + 1)(x^3 - x^2 - 2x + 1)}$$

Sequence: A052662
Score: 4.80008
Type of gen. func.: egf]

{a(n + 3) - 2 a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 2, a(2) = 4}

Sequence: A052662
Score: 5.02438

Type of gen. func.: egf]

$$(9 f(x) - 1) (f(x) x^3 - f(x) x^2 - 2 f(x) x + x^2 + f(x) - 1)$$

Sequence: A052662
Score: 9.43174
Type of gen. func.: egf]

$$-\frac{(x - 1) (x + 1)}{x^3 - x^2 - 2 x + 1}$$

Sequence: A052663
Score: 10.7420
Type of gen. func.: egf]

$$\frac{x^4 (x^2 - x - 1)}{x - 1}$$

Sequence: A052663
Score: 21.0861
Type of gen. func.: lgdegf]

$$\frac{x^2 - 2 x + 2}{(x - 1) (x^2 - x - 1)}$$

Sequence: A052664
Score: 10.7435
Type of gen. func.: egf]

$$-\frac{x - 1}{3 x^3 - 3 x^2 - 2 x + 1}$$

Sequence: A052664
Score: 11.8690
Type of gen. func.: lgdegf]

$$-\frac{6x^3 - 12x^2 + 6x + 1}{(x-1)(3x^3 - 3x^2 - 2x + 1)}$$

Sequence: A052664
Score: 5.08396
Type of gen. func.: egf]

$$\{-a(n+3) + 2a(n+2) + 3a(n+1) - 3a(n), a(0) = 1, a(1) = 1, a(2) = 5\}$$

Sequence: A052664
Score: 5.22388
Type of gen. func.: egf]

$$-(109 f(x) + 6)(3 f(x) x^3 - 3 f(x) x^2 - 2 f(x) x + f(x) + x - 1)$$

Sequence: A052665
Score: 13.5925
Type of gen. func.: egf]

$$\frac{x^2}{(2x-1)(x-1)}$$

Sequence: A052665
Score: 21.6149
Type of gen. func.: lgdegf]

$$-\frac{4x - 3}{(2x-1)(x-1)}$$

Sequence: A052665
Score: 3.81003
Type of gen. func.: ogf

$$\{(2n^2 + 6n + 4)a(n) + (-3n - 6)a(n+1) + a(n+2), a(0) = 0, a(1) = 0,$$
$$a(2) = 2\}$$

Sequence: A052665
Score: 6.53149
Type of gen. func.: egf]

$$f(x)\ (2 f(x) x^{2} - 3 f(x) x - x^{2} + f(x))$$

Sequence: A052666
Score: 16.2912
Type of gen. func.: egf]

$$- \frac{1}{3 x^{2} + x - 1}$$

Sequence: A052666
Score: 26.3024
Type of gen. func.: lgdegf]

$$- \frac{6 x + 1}{3 x^{2} + x - 1}$$

Sequence: A052666
Score: 3.73340
Type of gen. func.: ogf

$$\{(-3 n^{2} - 15 n - 18) a(n + 1) + (-n - 3) a(n + 2) + a(n + 3), a(0) = 1,$$
$$a(1) = 1, a(2) = 8\}$$

Sequence: A052666
Score: 6.47722
Type of gen. func.: egf]

$$(19 f(x) - 18) (3 f(x) x^{2} + f(x) x - f(x) + 1)$$

Sequence: A052667

Score: 15.9408
Type of gen. func.: egf]

$$-\frac{1}{x^4 + 2 x - 1}$$

Sequence: A052667
Score: 20.5794
Type of gen. func.: lgdegf]

$$-\frac{2 (2 x^3 + 1)}{x^4 + 2 x - 1}$$

Sequence: A052667
Score: 6.1888
Type of gen. func.: egf]

$$-(f(x) - 1) (f(x) x^4 + 2 f(x) x - f(x) + 1)$$

Sequence: A052668
Score: 15.9690
Type of gen. func.: egf]

$$-\frac{1}{x^3 + 3 x - 1}$$

Sequence: A052668
Score: 22.4193
Type of gen. func.: lgdegf]

$$-\frac{3 (x^2 + 1)}{x^3 + 3 x - 1}$$

Sequence: A052668
Score: 5.60614

Type of gen. func.: egf]

$$\{-a(n+3)+3\,a(n+2)+a(n),\ a(0)=1,\ a(1)=3,\ a(2)=9\}$$

Sequence: A052668
Score: 6.5059
Type of gen. func.: egf]

$$(f(x)-1)\,(f(x)\,x^{3}+3\,f(x)\,x-f(x)+1)$$

Sequence: A052669
Score: 11.1252
Type of gen. func.: egf]

$$-\frac{2\,x-1}{2\,x^{3}-x^{2}-3\,x+1}$$

Sequence: A052669
Score: 12.2994
Type of gen. func.: lgdegf]

$$-\frac{8\,x^{3}-8\,x^{2}+2\,x+1}{(2\,x-1)\,(2\,x^{3}-x^{2}-3\,x+1)}$$

Sequence: A052669
Score: 5.26460
Type of gen. func.: egf]

$$\{-a(n+3)+3\,a(n+2)+a(n+1)-2\,a(n),\ a(0)=1,\ a(1)=1,\ a(2)=4\}$$

Sequence: A052669
Score: 5.36033
Type of gen. func.: egf]

$$-(129\,f(x)-44)\,(2\,f(x)\,x^{3}-f(x)\,x^{2}-3\,f(x)\,x+f(x)+2\,x-1)$$

Sequence: A052670
Score: 11.3958
Type of gen. func.: egf]

$$4 f(x) x + x^2 - f(x)$$

Sequence: A052670
Score: 17.6831
Type of gen. func.: egf]

$$- \frac{x^2}{4 x - 1}$$

Sequence: A052670
Score: 5.23277
Type of gen. func.: ogf

$$\{(-4 n - 8) a(n + 1) + a(n + 2), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A052670
Score: 50.7145
Type of gen. func.: lgdegf]

$$- \frac{4}{4 x - 1}$$

Sequence: A052671
Score: 11.9086
Type of gen. func.: egf]

$$\frac{x^3 (x - 1)}{2 x - 1}$$

Sequence: A052671
Score: 3.24781
Type of gen. func.: ogf

$$\{(-8 n^2 + 32) a(n + 1) + (2 n^2 + 10 n - 8) a(n + 2) - n a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6\}$$

Sequence: A052671
Score: 33.3090
Type of gen. func.: lgdegf]

$$\frac{1}{(2 x - 1) (x - 1)}$$

Sequence: A052671
Score: 7.54772
Type of gen. func.: egf]

$$-f(x) (-x^4 + x^3 + 2 f(x) x - f(x))$$

Sequence: A052672
Score: 10.3889
Type of gen. func.: egf]

$$-\frac{x - 1}{x^3 - 2 x^2 - x + 1}$$

Sequence: A052672
Score: 14.2573
Type of gen. func.: lgdegf]

$$-\frac{x (2 x^2 - 5 x + 4)}{(x - 1) (x^3 - 2 x^2 - x + 1)}$$

Sequence: A052672
Score: 5.00555
Type of gen. func.: egf]

$$-(81 f(x) - 145) (f(x) x^3 - 2 f(x) x^2 - f(x) x + f(x) + x - 1)$$

Sequence: A052673
Score: 14.1651
Type of gen. func.: egf]

$$\frac{3 x}{(x - 1)^2}$$

Sequence: A052673
Score: 20.6111
Type of gen. func.: revegf]

$$\frac{12 x}{(3 + (12 x + 9)^{1/2})^2}$$

Sequence: A052673
Score: 4.72171
Type of gen. func.: ogf

$$\{(-n^2 - 4 n - 4) a(n + 1) + (n + 1) a(n + 2), a(0) = 0, a(1) = 3\}$$

Sequence: A052673
Score: 64.4096
Type of gen. func.: lgdegf]

$$- \frac{2}{x - 1}$$

Sequence: A052673
Score: 8.88322
Type of gen. func.: egf]

$$-f(x) x^2 + 2 f(x) x - f(x) + 3 x$$

Sequence: A052674
Score: 10.1033

Type of gen. func.: egf]

$$-\frac{x-1}{(x+1)(2x^2-4x+1)}$$

Sequence: A052674
Score: 10.9197
Type of gen. func.: lgdegf]

$$-\frac{2(2x^3-4x^2+2x+1)}{(x-1)(x+1)(2x^2-4x+1)}$$

Sequence: A052674
Score: 4.78104
Type of gen. func.: egf]

$$\{-a(n+3)+3a(n+2)+2a(n+1)-2a(n), a(0)=1, a(1)=2, a(2)=8\}$$

Sequence: A052674
Score: 4.95812
Type of gen. func.: egf]

$$-(22f(x)-1)(2f(x)x^3-2f(x)x^2-3f(x)x+f(x)+x-1)$$

Sequence: A052675
Score: 11.46
Type of gen. func.: egf]

$$-5f(x)x+f(x)+x-1$$

Sequence: A052675
Score: 13.9379
Type of gen. func.: egf]

$$\frac{x-1}{5x-1}$$

Sequence: A052675
Score: 3.58126
Type of gen. func.: ogf

$$\{(5 n^2 + 5 n) a(n) + (-5 n^2 - 21 n - 20) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A052675
Score: 33.6408
Type of gen. func.: lgdegf]

$$\frac{4}{(5 x - 1) (x - 1)}$$

Sequence: A052676
Score: 11.6275
Type of gen. func.: egf]

$$-f(x) (2 f(x) x - f(x) + 3 x)$$

Sequence: A052676
Score: 18.1396
Type of gen. func.: egf]

$$-\frac{3 x}{2 x - 1}$$

Sequence: A052676
Score: 47.0342
Type of gen. func.: lgdegf]

$$-\frac{2}{2 x - 1}$$

Sequence: A052676
Score: 57.4862
Type of gen. func.: revegf]

$$\frac{x}{3 + 2 x}$$

Sequence: A052676
Score: 6.65882
Type of gen. func.: ogf

$$\{(-2 n - 2) a(n) + a(n + 1), a(0) = 0, a(1) = 3\}$$

Sequence: A052677
Score: 12.3402
Type of gen. func.: egf]

$$- \frac{x - 1}{x^2 - 4 x + 1}$$

Sequence: A052677
Score: 18.1325
Type of gen. func.: lgdegf]

$$- \frac{x^2 - 2 x + 3}{(x - 1) (x^2 - 4 x + 1)}$$

Sequence: A052677
Score: 6.17011
Type of gen. func.: egf]

$$-(10 f(x) - 1) (f(x) x^2 - 4 f(x) x + f(x) + x - 1)$$

Sequence: A052678
Score: 11.6899
Type of gen. func.: egf]

$$x^3 + 3 f(x) x - f(x)$$

Sequence: A052678
Score: 18.1396
Type of gen. func.: egf]

$$-\frac{x^3}{3 x - 1}$$

Sequence: A052678
Score: 4.82612
Type of gen. func.: ogf

{(-3 n - 6) a(n + 1) + a(n + 2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6}

Sequence: A052678
Score: 52.3157
Type of gen. func.: lgdegf]

$$-\frac{3}{3 x - 1}$$

Sequence: A052679
Score: 10.0611
Type of gen. func.: egf]

$$\frac{(x - 1) (x + 1)}{x^3 + x^2 - 1}$$

Sequence: A052679
Score: 14.7290
Type of gen. func.: lgdegf]

$$-\frac{x^2 (x^2 - 3)}{(x - 1) (x + 1) (x^3 + x^2 - 1)}$$

Sequence: A052679
Score: 5.79609

Type of gen. func.: egf]

$$\{-a(n+3)+a(n+1)+a(n),\ a(0)=1,\ a(1)=0,\ a(2)=0\}$$

Sequence: A052679
Score: 7.95881
Type of gen. func.: egf]

$$f(x)\,x^{3}+f(x)\,x^{2}-x^{2}-f(x)+1$$

Sequence: A052680
Score: 11.8995
Type of gen. func.: egf]

$$-\frac{2x-1}{2x^{2}-4x+1}$$

Sequence: A052680
Score: 13.4396
Type of gen. func.: lgdegf]

$$-\frac{2\,(2x^{2}-2x+1)}{(2x-1)\,(2x^{2}-4x+1)}$$

Sequence: A052680
Score: 6.0166
Type of gen. func.: egf]

$$-(7\,f(x)-3)\,(2\,f(x)\,x^{2}-4\,f(x)\,x+f(x)+2x-1)$$

Sequence: A052681
Score: 10.5653
Type of gen. func.: lgdegf]

$$-\frac{x\,(6x^{3}-12x^{2}+5x+2)}{^{4}\qquad^{3}\quad^{2}}$$

$$(x - 1) (2 x - 2 x - x - x + 1)$$

Sequence: A052681
Score: 4.31233
Type of gen. func.: egf]

$$-(215 f(x) - 6) (2 f(x) x^4 - 2 f(x) x^3 - f(x) x^2 - f(x) x + f(x) + x - 1)$$

Sequence: A052681
Score: 8.97813
Type of gen. func.: egf]

$$-\frac{x - 1}{2 x^4 - 2 x^3 - x^2 - x + 1}$$

Sequence: A052682
Score: 11.8184
Type of gen. func.: egf]

$$\frac{x - 1}{3 x^2 + x - 1}$$

Sequence: A052682
Score: 18.6842
Type of gen. func.: lgdegf]

$$-\frac{3 x (x - 2)}{(x - 1) (3 x^2 + x - 1)}$$

Sequence: A052682
Score: 8.44172
Type of gen. func.: egf]

$$3 f(x) x^2 + f(x) x - f(x) - x + 1$$

Sequence: A052683
Score: 11.4504
Type of gen. func.: egf]

$$2 x^4 + f(x) x - f(x)$$

Sequence: A052683
Score: 17.7678
Type of gen. func.: egf]

$$- \frac{2 x^4}{x - 1}$$

Sequence: A052683
Score: 4.25840
Type of gen. func.: ogf

{(-n - 2) a(n + 1) + a(n + 2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0,

a(4) = 48}

Sequence: A052683
Score: 64.4082
Type of gen. func.: lgdegf]

$$- \frac{1}{x - 1}$$

Sequence: A052684
Score: 14.3243
Type of gen. func.: egf]

$$- \frac{1}{(x + 1) (x^2 + x - 1)}$$

Sequence: A052684
Score: 20.0448
Type of gen. func.: lgdegf]

```
                                   x (4 + 3 x)
                             - --------------------
                                         2
                               (x + 1) (x  + x - 1)


------------------------------------------------------------------------------

Sequence:  A052684
Score: 3.06358
Type of gen. func.: ogf


   3      2                                2
{(n  + 9 n  + 26 n + 24) a(n + 1) + (2 n  + 14 n + 24) a(n + 2) - a(n + 4),

    a(0) = 1, a(1) = 0, a(2) = 4, a(3) = 6}



------------------------------------------------------------------------------

Sequence:  A052684
Score: 6.38553
Type of gen. func.: egf]


                                      3           2
                (33 f(x) + 31) (f(x) x  + 2 f(x) x  - f(x) + 1)



------------------------------------------------------------------------------

Sequence:  A052685
Score: 4.58293
Type of gen. func.: egf]


                               4           2             2
          -(5 f(x) - 1) (f(x) x  - 2 f(x) x  - f(x) x + x  + f(x) - 1)



------------------------------------------------------------------------------

Sequence:  A052685
Score: 8.92465
Type of gen. func.: egf]


                                 (x - 1) (x + 1)
                              - -----------------
                                 4      2
                                x  - 2 x  - x + 1



------------------------------------------------------------------------------

Sequence:  A052685
Score: 9.56045
Type of gen. func.: lgdegf]


                              5      3    2
                           2 x  - 4 x  + x  + 2 x + 1
                     - -----------------------------------
                                         4      2
```

$$(x - 1) (x + 1) (x - 2 x - x + 1)$$

Sequence: A052686
Score: 10.9143
Type of gen. func.: egf]

$$\frac{x^2 (3 x^2 - 3 x - 1)}{x - 1}$$

Sequence: A052686
Score: 17.3445
Type of gen. func.: lgdegf]

$$\frac{3 x^2 - 6 x + 4}{(x - 1) (3 x^2 - 3 x - 1)}$$

Sequence: A052686
Score: 7.71279
Type of gen. func.: egf]

$$f(x) (-3 x^4 + 3 x^3 + f(x) x + x^2 - f(x))$$

Sequence: A052687
Score: 13.9801
Type of gen. func.: lgdegf]

$$- \frac{x^3 + x^2 - 4 x - 2}{(x - 1) (x + 1) (x^3 - x - 1)}$$

Sequence: A052687
Score: 4.8035
Type of gen. func.: egf]

$$-(5 f(x) + 28) (f(x) x^3 - f(x) x^2 + x^3 - f(x) x + f(x) - x - 1)$$

Sequence: A052687
Score: 9.13452
Type of gen. func.: egf]

$$-\frac{x^3 - x - 1}{(x + 1)\,(x - 1)^2}$$

Sequence: A052688
Score: 12.1161
Type of gen. func.: egf]

$$\frac{x}{(x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A052688
Score: 19.1513
Type of gen. func.: lgdegf]

$$-\frac{4\,x^2 + x + 1}{(x - 1)\,(x^2 + x + 1)}$$

Sequence: A052688
Score: 5.50731
Type of gen. func.: egf]

$$(f(x) + 1)\,(f(x)\,x^4 - f(x)\,x^3 - f(x)\,x + f(x) - x)$$

Sequence: A052689
Score: 13.9801
Type of gen. func.: lgdegf]

$$-\frac{x^3 - x^2 - 2\,x - 2}{(x - 1)\,(x + 1)\,(x^2 - x - 1)}$$

Sequence: A052689
Score: 6.15521
Type of gen. func.: egf]

$$-(f(x) + 3) (f(x) x^3 - f(x) x^2 - f(x) x + x^2 + f(x) - x - 1)$$

Sequence: A052689
Score: 9.13452
Type of gen. func.: egf]

$$-\frac{x^2 - x - 1}{(x + 1) (x - 1)^2}$$

Sequence: A052690
Score: 11.6794
Type of gen. func.: egf]

$$\frac{x (3 x^2 - x - 1)}{3 x - 1}$$

Sequence: A052690
Score: 17.0795
Type of gen. func.: lgdegf]

$$\frac{9 x^2 - 6 x + 4}{(3 x - 1) (3 x^2 - x - 1)}$$

Sequence: A052690
Score: 6.8951
Type of gen. func.: egf]

$$(234 f(x) + 217) (-3 x^3 + 3 f(x) x + x^2 - f(x) + x)$$

Sequence: A052691
Score: 10.3889
Type of gen. func.: egf]

$$\frac{x - 1}{x^3 - x^2 + 2 x - 1}$$

Sequence: A052691
Score: 12.5310
Type of gen. func.: lgdegf]

$$- \frac{2 x^3 - 4 x^2 + 2 x - 1}{(x - 1) (x^3 - x^2 + 2 x - 1)}$$

Sequence: A052691
Score: 4.91616
Type of gen. func.: egf]

$$\{a(n + 3) - 2 a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A052691
Score: 5.14589
Type of gen. func.: egf]

$$-(f(x) - 1) (f(x) x^3 - f(x) x^2 + 2 f(x) x - f(x) - x + 1)$$

Sequence: A052692
Score: 10.2154
Type of gen. func.: egf]

$$\frac{(x - 1) (x + 1) (x^2 + 1)}{x^4 + x - 1}$$

Sequence: A052692
Score: 12.5327
Type of gen. func.: lgdegf]

$$\frac{3 x^4 + 1}{(x - 1) (x + 1) (x^2 + 1) (x^4 + x - 1)}$$

Sequence: A052692
Score: 5.62421
Type of gen. func.: egf]

$$(f(x) - 1) (f(x) x^4 - x^4 + f(x) x - f(x) + 1)$$

Sequence: A052693
Score: 11.4588
Type of gen. func.: egf]

$$- \frac{x - 1}{x^3 - 3 x + 1}$$

Sequence: A052693
Score: 14.8327
Type of gen. func.: lgdegf]

$$- \frac{2 x^3 - 3 x^2 + 2}{(x - 1) (x^3 - 3 x + 1)}$$

Sequence: A052693
Score: 5.48557
Type of gen. func.: egf]

$$\{-a(n + 3) + 3 a(n + 2) - a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A052693
Score: 5.99587
Type of gen. func.: egf]

$$(29 f(x) - 5) (f(x) x^3 - 3 f(x) x + f(x) + x - 1)$$

Sequence: A052694
Score: 10.6767
Type of gen. func.: egf]

$$\frac{(x - 1) (2 x^3 + x^2 + x + 1)}{2 x - 1}$$

Sequence: A052694
Score: 6.15479
Type of gen. func.: egf]

$$(3064 f(x) + 3473) (-2 x^4 + x^3 + 2 f(x) x - f(x) + 1)$$

Sequence: A052694
Score: 9.47399
Type of gen. func.: lgdegf]

$$\frac{12 x^4 - 12 x^3 + 3 x^2 + 2}{(2 x - 1) (x - 1) (2 x^3 + x^2 + x + 1)}$$

Sequence: A052695
Score: 12.5920
Type of gen. func.: egf]

$$- \frac{5 x - 2}{(4 x - 1) (x - 1)}$$

Sequence: A052695
Score: 14.6134
Type of gen. func.: lgdegf]

$$- \frac{20 x^2 - 16 x + 5}{(x - 1) (4 x - 1) (5 x - 2)}$$

Sequence: A052695
Score: 6.36677
Type of gen. func.: egf]

$$-(9 f(x) + 7) (4 f(x) x^2 - 5 f(x) x + f(x) + 5 x - 2)$$

Sequence: A052696
Score: 11.9258
Type of gen. func.: lgdegf]

$$-\frac{x^3 - 3 x^2 + 2 x - 2}{(x - 1) (x^3 - 3 x^2 + 4 x - 1)}$$

Sequence: A052696
Score: 4.67986
Type of gen. func.: egf]

$$\{-a(n + 3) + 4 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A052696
Score: 4.72202
Type of gen. func.: egf]

$$(3 f(x) - 1) (f(x) x^3 - 3 f(x) x^2 + 4 f(x) x + x^2 - f(x) - 2 x + 1)$$

Sequence: A052696
Score: 8.59252
Type of gen. func.: egf]

$$-\frac{(x - 1)^2}{x^3 - 3 x^2 + 4 x - 1}$$

Sequence: A052697
Score: 14.1690
Type of gen. func.: egf]

$$-\frac{1}{x^4 + x^3 - 1}$$

Sequence: A052697
Score: 20.8503
Type of gen. func.: lgdegf]

$$-\frac{x^2 (4 x + 3)}{x^4 + x^3 - 1}$$

Sequence: A052697
Score: 6.47226
Type of gen. func.: egf]

$$(7 f(x) - 6) (f(x) x^4 + f(x) x^3 - f(x) + 1)$$

Sequence: A052698
Score: 16.4338
Type of gen. func.: revegf]

$$-\frac{-1 - 4 x + (4 x^2 + 8 x + 1)^{1/2}}{6 x}$$

Sequence: A052698
Score: 17.6926
Type of gen. func.: egf]

$$\frac{x}{(3 x - 1) (x - 1)}$$

Sequence: A052698
Score: 23.9660
Type of gen. func.: lgdegf]

$$-\frac{2 (3 x - 2)}{(3 x - 1) (x - 1)}$$

Sequence: A052698
Score: 4.05455
Type of gen. func.: ogf

$$\{(-3 n^2 - 15 n - 18) a(n + 1) + (4 n + 12) a(n + 2) - a(n + 3), a(0) = 0, a(1) = 1, a(2) = 8\}$$

Sequence: A052698
Score: 9.89585
Type of gen. func.: egf]

$$-3 f(x) x^2 + 4 f(x) x - f(x) + x$$

Sequence: A052699
Score: 11.8674
Type of gen. func.: egf]

$$\frac{x^6 - x^5 - 1}{x - 1}$$

Sequence: A052699
Score: 14.2331
Type of gen. func.: lgdegf]

$$\frac{5 x^6 - 10 x^5 + 5 x^4 + 1}{(x - 1) (x^6 - x^5 - 1)}$$

Sequence: A052700
Score: 13.8879
Type of gen. func.: egf]

$$\frac{x (x - 1)}{3 x - 1}$$

Sequence: A052700
Score: 16.9919
Type of gen. func.: revegf]

$$1/2 + \frac{3 x}{2} - \frac{(9 x^2 + 2 x + 1)^{1/2}}{2}$$

Sequence: A052700
Score: 3.47197
Type of gen. func.: ogf

$$\{(-6 n^2 - 12 n) a(n + 1) + (3 n^2 + 17 n + 18) a(n + 2) + (-n - 2) a(n + 3),$$

$$a(0) = 0, a(1) = 1, a(2) = 4\}$$

Sequence: A052700
Score: 37.3821
Type of gen. func.: lgdegf]

$$\frac{2}{(3 x - 1) (x - 1)}$$

Sequence: A052700
Score: 8.49856
Type of gen. func.: egf]

$$-f(x) (3 f(x) x - x^2 - f(x) + x)$$

Sequence: A052701
Score: 15.9565
Type of gen. func.: ogf

$$x - f(x) + 2 f(x)^2$$

Sequence: A052701
Score: 17.6096
Type of gen. func.: lgdogf

$$\frac{4}{(1-8x)^{1/2}\,(1+(1-8x)^{1/2})}$$

Sequence: A052701
Score: 58.1116
Type of gen. func.: revogf

$$-x\,(2x-1)$$

Sequence: A052701
Score: 6.21462
Type of gen. func.: ogf

$$\{(-8n+4)\,a(n)+(n+1)\,a(n+1),\ a(0)=0,\ a(1)=1\}$$

Sequence: A052702
Score: 9.21441
Type of gen. func.: ogf

$$f(x)^2\,x^2+2\,f(x)\,x^3+x^4-f(x)\,x^2+2\,f(x)\,x-f(x)$$

Sequence: A052703
Score: 3.63108
Type of gen. func.: ogf

$$f(x)^3+3\,f(x)^2\,x+3\,f(x)\,x^2+x^3+4\,f(x)^2+3\,f(x)\,x-f(x)$$

Sequence: A052704
Score: 13.6260
Type of gen. func.: lgdogf

$$\frac{8}{(1-16x)^{1/2}\,(1+(1-16x)^{1/2})}$$

Sequence: A052704

Score: 21.2196
Type of gen. func.: ogf

$$x - f(x) + 4 f(x)^{2}$$

Sequence: A052704
Score: 43.3556
Type of gen. func.: revogf

$$-x (4 x - 1)$$

Sequence: A052704
Score: 5.05815
Type of gen. func.: ogf

$$\{(-16 n + 8) a(n) + (n + 1) a(n + 1), a(0) = 0, a(1) = 1\}$$

Sequence: A052705
Score: 5.29833
Type of gen. func.: ogf

$$-f(x)^{2} x^{2} - 2 f(x)^{2} x - 2 f(x) x^{2} - f(x)^{2} - 2 f(x) x - x^{2} + f(x)$$

Sequence: A052706
Score: 5.67199
Type of gen. func.: ogf

$$-f(x)^{3} + 3 f(x)^{2} + 2 f(x) x + x^{2} - f(x)$$

Sequence: A052707
Score: 15.2793
Type of gen. func.: ogf

$$2 x - f(x) + 2 f(x)^{2}$$

Sequence: A052707
Score: 15.9000

Type of gen. func.: lgdogf

$$\frac{8}{(1-16x)^{1/2}\,(1+(1-16x)^{1/2})}$$

Sequence: A052707
Score: 39.7499
Type of gen. func.: revogf

$$-\frac{x\,(2x-1)}{2}$$

Sequence: A052707
Score: 5.88888
Type of gen. func.: ogf

$$\{(-16n+8)\,a(n)+(n+1)\,a(n+1),\ a(0)=0,\ a(1)=2\}$$

Sequence: A052709
Score: 11.0612
Type of gen. func.: ogf

$$-f(x)^2\,x-f(x)^2+f(x)-x$$

Sequence: A052709
Score: 3.64292
Type of gen. func.: ogf

$$\{4\,a(n)\,n+(8n+6)\,a(n+1)+(3n+3)\,a(n+2)+(-n-3)\,a(n+3),$$

$$a(0)=0,\ a(1)=1,\ a(2)=1\}$$

Sequence: A052709
Score: 37.4195
Type of gen. func.: revogf

$$-\frac{x\,(x-1)}{x^2+1}$$

Sequence: A052711
Score: 15.7657
Type of gen. func.: lgdegf]

$$\frac{4}{(1 - 4 x)^{1/2} (1 + (1 - 4 x)^{1/2})}$$

Sequence: A052711
Score: 3.09560
Type of gen. func.: ogf

$$\{(-16 n^2 + 24 n - 8) a(n + 1) + (-4 n^2 - 2 n - 2) a(n + 2) + n a(n + 3),$$
$$a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6\}$$

Sequence: A052711
Score: 7.80832
Type of gen. func.: egf]

$$x^4 + 2 f(x) x^2 + f(x)^2 - f(x) x$$

Sequence: A052712
Score: 18.2351
Type of gen. func.: revegf]

$$- 1/2 + 2 x + \frac{(1 - 4 x)^{1/2}}{2}$$

Sequence: A052712
Score: 2.94165
Type of gen. func.: ogf

$$\{(-16 n^2 - 8 n) a(n + 1) + (8 n^2 + 30 n + 24) a(n + 2) + (-n - 2) a(n + 3),$$
$$a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A052712
Score: 7.65763
Type of gen. func.: egf]

$$4 f(x)^2 - 4 f(x) x + x^2 - f(x) + x$$

Sequence: A052713
Score: 13.7131
Type of gen. func.: egf]

$$2 x - f(x) + f(x)^2$$

Sequence: A052713
Score: 15.1232
Type of gen. func.: lgdegf]

$$\frac{4}{(1 - 8 x)^{1/2} (1 + (1 - 8 x)^{1/2})}$$

Sequence: A052713
Score: 41.5889
Type of gen. func.: revegf]

$$- \frac{x (x - 1)}{2}$$

Sequence: A052713
Score: 6.42258
Type of gen. func.: ogf

$$\{(-8 n + 4) a(n) + a(n + 1), a(0) = 0, a(1) = 2\}$$

Sequence: A052714
Score: 14.4511
Type of gen. func.: lgdegf]

$$\frac{4}{\quad{}^{1/2} \qquad {}^{1/2}}$$

$$(1 - 8 x) \quad (1 + (1 - 8 x) \quad)$$

Sequence: A052714
Score: 17.8891
Type of gen. func.: egf]

$$x - f(x) + 2 f(x)^2$$

Sequence: A052714
Score: 43.3532
Type of gen. func.: revegf]

$$-x (2 x - 1)$$

Sequence: A052714
Score: 6.14181
Type of gen. func.: ogf

$$\{(-8 n + 4) a(n) + a(n + 1), a(0) = 0, a(1) = 1\}$$

Sequence: A052715
Score: 15.9408
Type of gen. func.: lgdegf]

$$\frac{8}{(1 - 4 x)^{1/2} (1 + (1 - 4 x)^{1/2})}$$

Sequence: A052715
Score: 3.62791
Type of gen. func.: ogf

$$\{(-4 n^2 + 6 n - 2) a(n + 1) + (-2 + n) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 0,$$
$$a(3) = 0, a(4) = 24\}$$

Sequence: A052715
Score: 6.83179
Type of gen. func.: egf]

$$x^4 - 2 f(x) x^2 + f(x)^2 + 4 f(x) x - f(x)$$

Sequence: A052716
Score: 10.9787
Type of gen. func.: lgdegf]

$$-\frac{x - 1 + (x^2 - 6 x + 1)^{1/2}}{2 x (x^2 - 6 x + 1)^{1/2}}$$

Sequence: A052716
Score: 40.5367
Type of gen. func.: revegf]

$$\frac{x (x - 1)}{x - 2}$$

Sequence: A052716
Score: 9.73595
Type of gen. func.: egf]

$$-f(x)^2 + f(x) x + f(x) - 2 x$$

Sequence: A052717
Score: 10.7357
Type of gen. func.: egf]

$$x^3 - f(x) x + f(x)^2$$

Sequence: A052717
Score: 15.7657
Type of gen. func.: lgdegf]

$$\frac{2}{(1 - 4 x)^{1/2} (1 + (1 - 4 x)^{1/2})}$$

Sequence: A052717
Score: 3.26737
Type of gen. func.: ogf

$$\{(-12 n^2 + 6 n) a(n + 1) + (-4 n^2 - 7 n - 3) a(n + 2) + (n + 1) a(n + 3),$$
$$a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A052718
Score: 3.49327
Type of gen. func.: ogf

$$\{(-8 n^2 - 4 n) a(n + 1) + (-4 n^2 - 12 n - 12) a(n + 2) + (n + 2) a(n + 3),$$
$$a(0) = 0, a(1) = 1, a(2) = 4\}$$

Sequence: A052718
Score: 31.1518
Type of gen. func.: revegf]

$$-1 - x + (1 + 4 x)^{1/2}$$

Sequence: A052718
Score: 9.03815
Type of gen. func.: egf]

$$-f(x)^2 - 2 f(x) x - x^2 + 2 f(x) - 2 x$$

Sequence: A052719
Score: 16.2912
Type of gen. func.: lgdegf]

$$\frac{6}{(1 - 4 x)^{1/2} (1 + (1 - 4 x)^{1/2})}$$

Sequence: A052719

Score: 4.18991
Type of gen. func.: ogf

$$\{(-4 n^2 + 2 n) a(n + 1) + (-1 + n) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6\}$$

Sequence: A052719
Score: 9.16101
Type of gen. func.: egf]

$$x^3 + f(x)^2 + 3 f(x) x - f(x)$$

Sequence: A052720
Score: 16.9738
Type of gen. func.: lgdegf]

$$\frac{12}{(1 - 4 x)^{1/2} (1 + (1 - 4 x)^{1/2})}$$

Sequence: A052720
Score: 3.36012
Type of gen. func.: ogf

$$\{(-4 n^2 + 14 n - 12) a(n + 1) + (-4 + n) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 720\}$$

Sequence: A052720
Score: 6.01285
Type of gen. func.: egf]

$$x^6 + 2 f(x) x^3 - 9 f(x) x^2 + f(x)^2 + 6 f(x) x - f(x)$$

Sequence: A052721
Score: 17.7559
Type of gen. func.: lgdegf]

$$\frac{}{(1-4x)^{1/2}\,(1+(1-4x)^{1/2})}$$

Sequence: A052721
Score: 3.33142
Type of gen. func.: ogf

$$\{(4n^3-6n^2-16n+24)\,a(n+1)+(-n^2+2n+3)\,a(n+2),\ a(0)=0,\ a(1)=0,\ a(2)=0,\ a(3)=0,\ a(4)=0,\ a(5)=120\}$$

Sequence: A052722
Score: 17.4934
Type of gen. func.: lgdegf]

$$\frac{10}{(1-4x)^{1/2}\,(1+(1-4x)^{1/2})}$$

Sequence: A052722
Score: 3.74577
Type of gen. func.: ogf

$$\{(-4n^2+10n-6)\,a(n+1)+(-3+n)\,a(n+2),\ a(0)=0,\ a(1)=0,\ a(2)=0,\ a(3)=0,\ a(4)=0,\ a(5)=120\}$$

Sequence: A052722
Score: 7.68613
Type of gen. func.: egf]

$$x^5-5f(x)x^2+f(x)^2+5f(x)x-f(x)$$

Sequence: A052723
Score: 8.50616
Type of gen. func.: egf]

$$f(x)^2x+f(x)x+x^2-f(x)$$

Sequence: A052724
Score: 5.35353
Type of gen. func.: egf]

$$f(x)^2 x^2 + 2 f(x) x^3 + x^4 - f(x) x^2 + 2 f(x) x - f(x)$$

Sequence: A052726
Score: 10.6681
Type of gen. func.: egf]

$$-f(x)^2 x - f(x)^2 + f(x) - x$$

Sequence: A052726
Score: 3.51344
Type of gen. func.: egf]

$\{4 a(n) n + (8 n + 6) a(n + 1) + (3 n + 3) a(n + 2) + (-n - 3) a(n + 3),$

$a(0) = 0, a(1) = 1, a(2) = 1\}$

Sequence: A052726
Score: 36.1296
Type of gen. func.: revegf]

$$-\frac{x (x - 1)}{x^2 + 1}$$

Sequence: A052727
Score: 13.103
Type of gen. func.: egf]

$$-x^2 - x + f(x) - f(x)^2$$

Sequence: A052727
Score: 2.90461
Type of gen. func.: ogf

$$\{(8 n^3 - 8 n) a(n) + (4 n^3 + 24 n^2 + 20 n) a(n + 1) + (4 n^2 + 12 n + 12) a(n + 2) + (-n - 2) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 4\}$$

Sequence: A052727
Score: 20.7487
Type of gen. func.: revegf]

$$- 1/2 + \frac{(-4 x^2 + 4 x + 1)^{1/2}}{2}$$

Sequence: A052728
Score: 5.14128
Type of gen. func.: egf]

$$-f(x)^2 x^2 - 2 f(x)^2 x - 2 f(x) x^2 - f(x)^2 - 2 f(x) x - x^2 + f(x)$$

Sequence: A052729
Score: 2.91416
Type of gen. func.: ogf

$$\{(-216 n^3 + 81 n^2 + 87 n - 30) a(n) + (-176 n^2 - 22 n + 48) a(n + 1) + (40 n - 15) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A052729
Score: 6.98601
Type of gen. func.: egf]

$$-f(x)^3 + 3 f(x)^2 + 2 f(x) x + x^2 - f(x)$$

Sequence: A052730
Score: 2.93484
Type of gen. func.: ogf

$$\{(-108 n^3 - 243 n^2 - 159 n - 30) a(n + 1) + (-88 n^2 - 154 n - 58) a(n + 2)$$

$$+ (20 n + 5) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6\}$$

Sequence: A052730
Score: 5.2504
Type of gen. func.: egf]

$$f(x)^3 + 3 f(x)^2 x + 3 f(x) x^2 + x^3 + 4 f(x)^2 + 3 f(x) x - f(x)$$

Sequence: A052731
Score: 3.02152
Type of gen. func.: ogf

$$\{(-3 n^4 - 6 n^3 + 3 n^2 + 6 n) a(n) + (-2 n^3 - 5 n^2 - 2 n) a(n + 1)$$

$$+ (n^2 + 2 n - 3) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6\}$$

Sequence: A052731
Score: 7.12482
Type of gen. func.: egf]

$$f(x)^2 x + f(x) x^2 + x^3 + 2 f(x) x - f(x)$$

Sequence: A052732
Score: 17.6666
Type of gen. func.: lgdegf]

$$\frac{4}{(1 - 4 x)^{1/2} (1 + (1 - 4 x)^{1/2})}$$

Sequence: A052732
Score: 4.22463
Type of gen. func.: ogf

$$\{(4 n^2 + 2 n - 12) a(n + 1) - a(n + 2) n, a(0) = 0, a(1) = 0, a(2) = 0,$$

$$a(3) = 0, a(4) = 24\}$$

Sequence: A052733
Score: 17.6666
Type of gen. func.: lgdegf]

$$\frac{2}{(1 - 4 x)^{1/2} (1 + (1 - 4 x)^{1/2})}$$

Sequence: A052733
Score: 4.65035
Type of gen. func.: ogf

$$\{(4 n^2 + 2 n - 12) a(n + 1) - a(n + 2) n, a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6\}$$

Sequence: A052734
Score: 11.3361
Type of gen. func.: ogf

$$\{(-16 n + 8) a(n) + a(n + 1), a(0) = 0, a(1) = 1\}$$

Sequence: A052734
Score: 24.5105
Type of gen. func.: egf]

$$x - f(x) + 4 f(x)^2$$

Sequence: A052734
Score: 25.6587
Type of gen. func.: lgdegf]

$$\frac{8}{(1 - 16 x)^{1/2} (1 + (1 - 16 x)^{1/2})}$$

Sequence: A052734
Score: 81.6413
Type of gen. func.: revegf]

$$-x (4 x - 1)$$

Sequence: A052735
Score: 4.53168
Type of gen. func.: ogf

$$\{(3 n^2 - 3) a(n) + (2 n + 1) a(n + 1) - a(n + 2), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A052735
Score: 9.83143
Type of gen. func.: egf]

$$f(x)^2 + f(x) x + x^2 - f(x)$$

Sequence: A052736
Score: 10.5434
Type of gen. func.: egf]

$$f(x) x^2 - f(x)^2 - 4 f(x) x - x^2 + f(x)$$

Sequence: A052736
Score: 17.9078
Type of gen. func.: lgdegf]

$$- \frac{-x - 1 + (x^2 - 6 x + 1)^{1/2}}{x (x^2 - 6 x + 1)^{1/2}}$$

Sequence: A052736
Score: 5.44861
Type of gen. func.: ogf

$$\{(2 n^3 - n^2 - 5 n - 2) a(n) - 12 a(n + 1) n^2 + (2 n - 1) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A052737
Score: 11.6119
Type of gen. func.: lgdegf]

$$\frac{8}{(1-16x)^{1/2}\,(1+(1-16x)^{1/2})}$$

Sequence: A052737
Score: 18.6073
Type of gen. func.: egf]

$$2x - f(x) + 2 f(x)^2$$

Sequence: A052737
Score: 27.0943
Type of gen. func.: revegf]

$$-\frac{x(2x-1)}{2}$$

Sequence: A052737
Score: 8.60588
Type of gen. func.: ogf

$$\{(-16n+8)\,a(n) + a(n+1),\ a(0) = 0,\ a(1) = 2\}$$

Sequence: A052739
Score: 6.30909
Type of gen. func.: egf]

$$x^4 + 2 f(x) x^2 + 2 x^3 + f(x)^2 + 2 f(x) x + x^2 - f(x)$$

Sequence: A052740
Score: 12.4412
Type of gen. func.: revegf]

$$-a(n+5),\ a(0) = 0,\ a(1) = 1,\ a(2) = -1,\ a(3) = 0,\ a(4) = -1$$

Sequence: A052741
Score: 15.6781
Type of gen. func.: lgdegf]

$$\frac{6}{(1-4x)^{1/2}\,(1+(1-4x)^{1/2})}$$

Sequence: A052741
Score: 7.72204
Type of gen. func.: egf]

$$x^5 + 3 f(x) x^2 + f(x)^2 - f(x) x$$

Sequence: A052742
Score: 11.8041
Type of gen. func.: egf]

$$-f(x) x^2 - x^3 - f(x)^2 + f(x) x$$

Sequence: A052742
Score: 16.0180
Type of gen. func.: lgdegf]

$$-\frac{-x-1+(x^2-6x+1)^{1/2}}{2x(x^2-6x+1)^{1/2}}$$

Sequence: A052742
Score: 3.43858
Type of gen. func.: ogf

$$\{(-3 n^3 - 3 n^2 + 6 n) a(n+1) + (-n^3 + 12 n^2 + n) a(n+2) + (6 n^2 + 24 n + 24) a(n+3) + (-n-2) a(n+4),\ a(0) = 0,\ a(1) = 0,\ a(2) = 2,\ a(3) = 12\}$$

Sequence: A052743
Score: 14.2573
Type of gen. func.: revegf]

$$\frac{-x - 1 + (4 x^3 + x^2 + 2 x + 1)^{1/2}}{2 x^2}$$

Sequence: A052743
Score: 9.33237
Type of gen. func.: egf]

$$-f(x)^2 x^2 - f(x) x + f(x) - x$$

Sequence: A052744
Score: 4.51471
Type of gen. func.: egf]

$$-f(x)^2 x^2 - 2 f(x) x^3 - x^4 - 2 f(x)^2 x - 2 f(x) x^2 - f(x)^2 + f(x) x$$

Sequence: A052745
Score: 4.26201
Type of gen. func.: egf]

$$\{a(n + 1) n^2 + (-2 n^2 - 3 n - 1) a(n + 2) + (n^2 + 3 n + 2) a(n + 3), a(0) = 0,$$

$$a(1) = 0, a(2) = 0, a(3) = 1\}$$

Sequence: A052746
Score: 14.0895
Type of gen. func.: revegf]

$$(n + 1) a(n + 2) + 2 a(n + 1), a(0) = 0, a(1) = 1$$

Sequence: A052747
Score: 4.21362
Type of gen. func.: ogf

$$\{(n^2 + n - 2) a(n + 1) - a(n + 2) n, a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6\}$$

Sequence: A052749
Score: 14.2480
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^3 - 18 x^2 + 19 x - 6)}{(x - 1) (2 x - 1) (2 x^2 - 6 x + 3)}$$

Sequence: A052749
Score: 4.15516
Type of gen. func.: ogf

$$\{(2 n^2 + 10 n + 12) a(n + 1) + (-3 n^2 - 12 n - 9) a(n + 2) + (n^2 + 3 n + 2) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6\}$$

Sequence: A052749
Score: 5.85499
Type of gen. func.: ogf

$$f(x) (4 f(x) x^4 - 4 x^5 - 12 f(x) x^3 + 12 x^4 + 13 f(x) x^2 - 6 x^3 - 6 f(x) x + f(x))$$

Sequence: A052749
Score: 9.66075
Type of gen. func.: ogf

$$\frac{2 x^3 (2 x^2 - 6 x + 3)}{(2 x - 1)^2 (x - 1)^2}$$

Sequence: A052759
Score: 5.31929

Type of gen. func.: ogf

$$\{(n^2 - 4) a(n + 1) + (-n + 1) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 24\}$$

Sequence: A052760
Score: 3.94107
Type of gen. func.: ogf

$$\{(-2 n^2 - 10 n - 12) a(n + 1) + (3 n^2 + 9 n) a(n + 2) + (-n^2 - n) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 24\}$$

Sequence: A052760
Score: 6.25935
Type of gen. func.: ogf

$$\frac{4 x^4 (4 x^4 - 18 x^3 + 33 x^2 - 24 x + 6)}{(2 x - 1)^3 (x - 1)^3}$$

Sequence: A052760
Score: 8.66120
Type of gen. func.: lgdogf

$$- \frac{16 x^5 - 96 x^4 + 248 x^3 - 285 x^2 + 150 x - 30}{(x - 1) (2 x - 1) (4 x^4 - 18 x^3 + 33 x^2 - 24 x + 6)}$$

Sequence: A052761
Score: 6.19391
Type of gen. func.: ogf

$$- \frac{12 x^4 (3 x - 2) (x^2 - 3 x + 1)}{(2 x - 1)^2 (3 x - 1)^2 (x - 1)^2}$$

Sequence: A052762
Score: 10.8883
Type of gen. func.: ogf

$$-\frac{24 x^4}{(x - 1)^5}$$

Sequence: A052762
Score: 5.08649
Type of gen. func.: ogf

$$\{(-2 + n) a(n + 2) + (-n - 2) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 24\}$$

Sequence: A052762
Score: 5.80707
Type of gen. func.: ogf

$$f(x) x^5 - 5 f(x) x^4 + 10 f(x) x^3 + 24 x^4 - 10 f(x) x^2 + 5 f(x) x - f(x)$$

Sequence: A052762
Score: 87.1061
Type of gen. func.: lgdogf

$$-\frac{5}{x - 1}$$

Sequence: A052764
Score: 12.0764
Type of gen. func.: revegf]

$$(n + 1) a(n + 2) + 4 a(n + 1), a(0) = 0, a(1) = 1$$

Sequence: A052768
Score: 11.7507
Type of gen. func.: lgdogf

$$x^4 - 6 x^3 + 15 x^2 - 20 x + 15$$

```
- --------------------------------------
             4      3       2
  (x - 1) (x  - 5 x  + 10 x  - 10 x + 5)
```

Sequence: A052768
Score: 4.62911
Type of gen. func.: ogf

$$\{(n + 2) a(n + 1) + (-n + 2) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 120\}$$

Sequence: A052768
Score: 6.15838
Type of gen. func.: ogf

$$-\frac{24 x^5 (x^4 - 5 x^3 + 10 x^2 - 10 x + 5)}{(x - 1)^5}$$

Sequence: A052771
Score: 11.7709
Type of gen. func.: ogf

$$\frac{6 x^3}{(2 x - 1)^4}$$

Sequence: A052771
Score: 5.27334
Type of gen. func.: ogf

$$\{(-1 + n) a(n + 2) + (-2 n - 4) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6\}$$

Sequence: A052771
Score: 59.6247
Type of gen. func.: lgdogf

```
   8
- -------
```

$$2 x - 1$$

Sequence: A052771
Score: 7.46087
Type of gen. func.: ogf

$$-16 f(x) x^{4} + 32 f(x) x^{3} - 24 f(x) x^{2} + 6 x^{3} + 8 f(x) x - f(x)$$

Sequence: A052776
Score: 3.06404
Type of gen. func.: ogf

$$\frac{24 x^{5} (24 x^{4} - 100 x^{3} + 105 x^{2} - 40 x + 5)}{(x - 1)^{2} (3 x - 1)^{2} (2 x - 1)^{2} (4 x - 1)^{2}}$$

Sequence: A052777
Score: 3.98247
Type of gen. func.: ogf

$$- \frac{12 x^{5} (36 x^{6} - 198 x^{5} + 471 x^{4} - 540 x^{3} + 315 x^{2} - 90 x + 10)}{(2 x - 1)^{3} (3 x - 1)^{3} (x - 1)^{3}}$$

Sequence: A052778
Score: 3.33539
Type of gen. func.: ogf

$$\{(n^{2} - n - 6) a(n + 1) + (-n + 2) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 0,$$

$$a(3) = 0, a(4) = 0, a(5) = 120\}$$

Sequence: A052780
Score: 10.9730
Type of gen. func.: ogf

$$- \frac{2 x^{2}}{{}^{3}}$$

$$(4 x - 1)$$

Sequence: A052780
Score: 4.66108
Type of gen. func.: ogf

$$\{a(n + 3) - 12 a(n + 2) + 48 a(n + 1) - 64 a(n), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A052780
Score: 47.3284
Type of gen. func.: lgdogf

$$-\frac{12}{4 x - 1}$$

Sequence: A052780
Score: 6.27027
Type of gen. func.: ogf

$$64 f(x) x^3 - 48 f(x) x^2 + 12 f(x) x + 2 x^2 - f(x)$$

Sequence: A052787
Score: 4.67526
Type of gen. func.: ogf

$$\{(-3 + n) a(n + 2) + (-n - 2) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0,$$
$$a(4) = 0, a(5) = 120\}$$

Sequence: A052787
Score: 87.5099
Type of gen. func.: lgdogf

$$-\frac{6}{x - 1}$$

Sequence: A052787
Score: 9.41370
Type of gen. func.: ogf

$$\frac{120 x^{5}}{(x - 1)^{6}}$$

Sequence: A052789
Score: 12.8083
Type of gen. func.: revegf]

$$(n + 1) a(n + 2) + 5 a(n + 1), a(0) = 0, a(1) = 1$$

Sequence: A052791
Score: 14.1494
Type of gen. func.: ogf

$$\frac{6 x^{3}}{(3 x - 1)^{4}}$$

Sequence: A052791
Score: 6.56531
Type of gen. func.: ogf

$$\{(-1 + n) a(n + 2) + (-3 n - 6) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6\}$$

Sequence: A052791
Score: 7.89099
Type of gen. func.: ogf

$$-81 f(x) x^{4} + 108 f(x) x^{3} - 54 f(x) x^{2} + 6 x^{3} + 12 f(x) x - f(x)$$

Sequence: A052791
Score: 74.3062
Type of gen. func.: lgdogf

$$- \frac{12}{3 x - 1}$$

Sequence: A052794
Score: 3.06264
Type of gen. func.: ogf

$$\{(n^2 - 2 n - 8) a(n + 1) + (-n + 3) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 720\}$$

Sequence: A052796
Score: 10.5762
Type of gen. func.: ogf

$$- \frac{24 x^4}{(2 x - 1)^5}$$

Sequence: A052796
Score: 5.17231
Type of gen. func.: ogf

$$\{(-2 + n) a(n + 2) + (-2 n - 4) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 24\}$$

Sequence: A052796
Score: 5.76102
Type of gen. func.: ogf

$$32 f(x) x^5 - 80 f(x) x^4 + 80 f(x) x^3 + 24 x^4 - 40 f(x) x^2 + 10 f(x) x - f(x)$$

Sequence: A052796
Score: 59.0505
Type of gen. func.: lgdogf

$$- \frac{10}{2 x - 1}$$

Sequence: A052800
Score: 4.52361
Type of gen. func.: ogf

```
{(n + 2) a(n + 1) + (-n + 3) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0,

    a(4) = 0, a(5) = 0, a(6) = 720}
```

Sequence: A052800
Score: 5.28305
Type of gen. func.: ogf

```
                         6            2             2
                    120 x  (x - 2) (x  - x + 1) (x  - 3 x + 3)
                  - -------------------------------------------
                                             6
                                      (x - 1)
```

Sequence: A052800
Score: 6.46700
Type of gen. func.: lgdegf]

```
                    4        2        3
(-45045 + 4725 x - x  - 945 x  + 120 x

         8           6             4                2                1/2    /
     + (x  + 25410 x  + 3711015 x  + 156080925 x  + 2029052025)   )  /  (30 x
                                                                    /

          2
    (8 x  + 315))
```

Sequence: A052805
Score: 9.93394
Type of gen. func.: ogf_with_Euler_transform]

```
                                      1/2        2     1/2
                        1/2 I ((4 x - 1)    - (4 x  - 1)   )
                        ------------------------------------
                                         x
```

Sequence: A052812
Score: 14.4075
Type of gen. func.: ogf_with_Euler_transform]

```
                                          2
                                     -2 x  - x
                                 - -------------
                                    4      2
```

$$x - 2 x + 1$$

Sequence: A052816
Score: 14.6970
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^3 - x^2 - x + 2}{x^2 - 1}$$

Sequence: A052819
Score: 12.5668
Type of gen. func.: revegf]

$$n\, a(n + 1) + (-n - 1)\, a(n + 2),\ a(0) = 0,\ a(1) = 1,\ a(2) = -1$$

Sequence: A052832
Score: 5.13027
Type of gen. func.: egf]

$$\{a(n)\, n + (-2 n - 4)\, a(n + 2) + (n + 3)\, a(n + 3),\ a(0) = 0,\ a(1) = 0,\ a(2) = 1,\ a(3) = 1\}$$

Sequence: A052840
Score: 3.33090
Type of gen. func.: ogf

$$\{(2 n^3 + 4 n^2 - 2 n - 4)\, a(n) + (-3 n^2 - 6 n)\, a(n + 1) + (n + 1)\, a(n + 2),\ a(0) = 0,\ a(1) = 0,\ a(2) = 2\}$$

Sequence: A052842
Score: 28.1747
Type of gen. func.: revegf]

$$(x - 1) (-1 + \exp(-x))$$

Sequence: A052844

Score: 14.2315
Type of gen. func.: lgdegf]

$$(-x^2 + 2 x - 2) f(x) + (x^2 - 2 x + 1) f(x)^2$$

Sequence: A052845
Score: 15.7490
Type of gen. func.: lgdegf]

$$(-x^2 + 2 x) f(x) + (-x^2 + 2 x - 1) f(x)^2$$

Sequence: A052847
Score: 23.0915
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x}{x^2 - 2 x + 1}$$

Sequence: A052849
Score: 12.8077
Type of gen. func.: egf]

$$-f(x) (f(x) x - f(x) + 2 x)$$

Sequence: A052849
Score: 20.5768
Type of gen. func.: egf]

$$-\frac{2 x}{x - 1}$$

Sequence: A052849
Score: 7.55349
Type of gen. func.: ogf

$$\{(-n - 1) a(n) + a(n + 1), a(0) = 0, a(1) = 2\}$$

Sequence: A052849
Score: 73.4490
Type of gen. func.: lgdegf]

$$-\frac{1}{x-1}$$

Sequence: A052849
Score: 83.9418
Type of gen. func.: revegf]

$$\frac{x}{x+2}$$

Sequence: A052850
Score: 3.26695
Type of gen. func.: ogf

$$\{(-18 n^3 - 36 n^2 - 18 n) a(n) + (4 n^3 + 51 n^2 + 92 n + 45) a(n + 1) + (-6 n^2 - 35 n - 34) a(n + 2) + (4 + 2 n) a(n + 3), a(0) = 0, a(1) = 2, a(2) = 5\}$$

Sequence: A052851
Score: 47.1110
Type of gen. func.: revegf]

$$1 - \exp(x (x - 1))$$

Sequence: A052852
Score: 37.4365
Type of gen. func.: lgdegf]

$$-\frac{x-2}{(x-1)^2}$$

Sequence: A052852
Score: 4.55508

Type of gen. func.: ogf

$$\{(n^2 + 2 n) a(n) + (-2 n - 4) a(n + 1) + a(n + 2), a(0) = 0, a(1) = 1\}$$

Sequence: A052854
Score: 18.8554
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{2}{1 + (1 - 4 x)^{1/2}}$$

Sequence: A052857
Score: 9.42924
Type of gen. func.: revegf]

$$(-n - 2) a(n + 3) + (2 n + 1) a(n + 2) - n a(n + 1), a(0) = 0, a(1) = 1, a(2) = -1$$

Sequence: A052859
Score: 29.4838
Type of gen. func.: lgdegf]

$$2 \exp(2 x) - 2 \exp(x)$$

Sequence: A052861
Score: 2.92519
Type of gen. func.: egf]

$$\{-2 a(n) n + (5 n + 3) a(n + 1) + (-4 n - 5) a(n + 2) + (n + 2) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A052866
Score: 4.27714
Type of gen. func.: egf]

$$\{-a(n) n + (3 n + 4) a(n + 1) + (-3 n - 7) a(n + 2) + (n + 3) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 5/2\}$$

Sequence: A052867
Score: 4.25563
Type of gen. func.: ogf

$$\{(2 n^2 + 2 n) a(n) + (-3 n - 3) a(n + 1) + a(n + 2), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A052874
Score: 3.17503
Type of gen. func.: egf]

$$\{-a(n) n + (3 n + 3) a(n + 1) + (-3 n - 5) a(n + 2) + (n + 2) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A052881
Score: 3.35148
Type of gen. func.: ogf

$$\{(n^3 + 3 n^2 + 2 n) a(n) + (-2 n^2 - 5 n - 2) a(n + 1) + (n + 1) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A052885
Score: 9.10675
Type of gen. func.: revegf]

$$(n + 2) a(n + 3) + (n + 3) a(n + 2) + a(n + 1), a(0) = 0, a(1) = 1, a(2) = -2$$

Sequence: A052886
Score: 7.99924
Type of gen. func.: revegf]

$$-2 n^2 a(n) + (3 n^2 + 5 n + 2) a(n + 1) + (n^2 - 4) a(n + 2) + (-n^2 - 5 n - 6) a(n + 3), a(0) = 0, a(1) = 1, a(2) = -3/2$$

Sequence: A052887

Score: 28.6207
Type of gen. func.: lgdegf]

$$2 x + (x^3 - 3 x^2 + 3 x - 1) f(x)$$

Sequence: A052887
Score: 4.36890
Type of gen. func.: ogf

$$\{(n^3 + 3 n^2 + 2 n) a(n) + (-3 n^2 - 7 n - 2) a(n + 1) + (3 n + 6) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 0, a(2) = 2\}$$

Sequence: A052888
Score: 36.6114
Type of gen. func.: revegf]

$$\exp(-x) \ln(x + 1)$$

Sequence: A052889
Score: 13.1929
Type of gen. func.: lgdegf]

$$(-n - 2) a(n + 2) + a(n + 1), a(0) = 1, a(1) = 1$$

Sequence: A052892
Score: 48.1626
Type of gen. func.: revegf]

$$-\ln(x + 1) (x - 1)$$

Sequence: A052897
Score: 24.9485
Type of gen. func.: lgdegf]

$$2 + (-x^2 + 2 x - 1) f(x)$$

Sequence: A052897

Score: 4.11510
Type of gen. func.: ogf

$$\{(n^2 + n) a(n) + (-2 n - 4) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A052898
Score: 3.19424
Type of gen. func.: ogf

$$\{(n^2 + 4 n + 4) a(n + 1) + (-n^2 - 5 n - 5) a(n + 2) + (n + 1) a(n + 3),$$
$$a(0) = 3, a(1) = 3, a(2) = 5\}$$

Sequence: A052899
Score: 12.2332
Type of gen. func.: ogf

$$- \frac{2 x - 1}{(x - 1) (4 x^2 + 2 x - 1)}$$

Sequence: A052899
Score: 12.4574
Type of gen. func.: lgdogf

$$- \frac{16 x^3 - 16 x^2 + 4 x + 1}{(x - 1) (2 x - 1) (4 x^2 + 2 x - 1)}$$

Sequence: A052899
Score: 5.78895
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + 2 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 1, a(2) = 5\}$$

Sequence: A052899
Score: 6.00334
Type of gen. func.: ogf

$${}^{3} \qquad {}^{2}$$

$$-(25 f(x) - 4) (4 f(x) x - 2 f(x) x - 3 f(x) x + f(x) + 2 x - 1)$$

Sequence: A052900
Score: 11.0611
Type of gen. func.: ogf

$$3 f(x) x^{3} + f(x) x - f(x) - x + 1$$

Sequence: A052900
Score: 15.4855
Type of gen. func.: ogf

$$\frac{x - 1}{3 x^{3} + x - 1}$$

Sequence: A052900
Score: 20.9011
Type of gen. func.: lgdogf

$$-\frac{3 x^{2} (-3 + 2 x)}{(x - 1) (3 x^{3} + x - 1)}$$

Sequence: A052900
Score: 7.57445
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 3 a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$$

Sequence: A052901
Score: 13.0433
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n), a(0) = 3, a(1) = 2, a(2) = 2\}$$

Sequence: A052901
Score: 13.2172

Type of gen. func.: ogf

$$(2 f(x) - 3) (f(x) x^3 + 2 x^2 - f(x) + 2 x + 3)$$

Sequence: A052901
Score: 17.3692
Type of gen. func.: lgdogf

$$- \frac{2 x^4 + 4 x^3 + 9 x^2 + 4 x + 2}{(x - 1) (x^2 + x + 1) (2 x^2 + 2 x + 3)}$$

Sequence: A052901
Score: 20.2305
Type of gen. func.: ogf

$$- \frac{2 x^2 + 2 x + 3}{(x - 1) (x^2 + x + 1)}$$

Sequence: A052903
Score: 12.0491
Type of gen. func.: ogf

$$- \frac{(x - 1) (x^2 + x + 1)}{x^4 - x^3 - 2 x + 1}$$

Sequence: A052903
Score: 16.8266
Type of gen. func.: lgdogf

$$- \frac{x^6 + 2}{(x - 1) (x^2 + x + 1) (x^4 - x^3 - 2 x + 1)}$$

Sequence: A052903

Score: 6.41867
Type of gen. func.: ogf

$$(f(x) - 1) (f(x) x^4 - f(x) x^3 + x^3 - 2 f(x) x + f(x) - 1)$$

Sequence: A052904
Score: 12.4371
Type of gen. func.: ogf

$$-\frac{x - 1}{4 x^3 - 4 x^2 - 2 x + 1}$$

Sequence: A052904
Score: 13.7444
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 16 x^2 + 8 x + 1}{(x - 1) (4 x^3 - 4 x^2 - 2 x + 1)}$$

Sequence: A052904
Score: 5.88543
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 4 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 1, a(2) = 6\}$$

Sequence: A052904
Score: 5.99243
Type of gen. func.: ogf

$$-(191 f(x) + 13) (4 f(x) x^3 - 4 f(x) x^2 - 2 f(x) x + f(x) + x - 1)$$

Sequence: A052905
Score: 13.4731
Type of gen. func.: ogf

$$\frac{2 x^2 - 2 x - 1}{}$$

$$(x - 1)^3$$

Sequence: A052905
Score: 26.0017
Type of gen. func.: lgdogf

$$-\frac{2 x^2 - 5}{(x - 1) (2 x^2 - 2 x - 1)}$$

Sequence: A052905
Score: 7.27308
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 5, a(2) = 10}

Sequence: A052905
Score: 9.23437
Type of gen. func.: ogf

$$-f(x) x^3 + 3 f(x) x^2 - 3 f(x) x + 2 x^2 + f(x) - 2 x - 1$$

Sequence: A052906
Score: 12.8098
Type of gen. func.: ogf

$$\frac{(x - 1) (x + 1)}{x^2 + 3 x - 1}$$

Sequence: A052906
Score: 18.6305
Type of gen. func.: lgdogf

$$\frac{3 (x^2 + 1)}{(x - 1) (x + 1) (x^2 + 3 x - 1)}$$

Sequence: A052906
Score: 6.15375
Type of gen. func.: ogf

$$\{-a(n+3)+3a(n+2)+a(n+1), a(0)=1, a(1)=3, a(2)=9\}$$

Sequence: A052906
Score: 9.36837
Type of gen. func.: ogf

$$-f(x)x^2-3f(x)x+x^2+f(x)-1$$

Sequence: A052907
Score: 12.269
Type of gen. func.: ogf

$$-2f(x)x^3-2f(x)x^2+f(x)-1$$

Sequence: A052907
Score: 19.5641
Type of gen. func.: ogf

$$-\frac{1}{2x^3+2x^2-1}$$

Sequence: A052907
Score: 24.5904
Type of gen. func.: lgdogf

$$-\frac{2x(3x+2)}{2x^3+2x^2-1}$$

Sequence: A052907
Score: 7.78356
Type of gen. func.: ogf

$\{-a(n + 3) + 2 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 0, a(2) = 2\}$

Sequence: A052908
Score: 13.3783
Type of gen. func.: lgdogf

$$-\frac{3 x^3 + x^2 + x + 1}{(x - 1) (x^2 + x + 1) (x^4 - x^3 - 2 x + 1)}$$

Sequence: A052908
Score: 5.51169
Type of gen. func.: ogf

$$(-2 + 3 f(x)) (f(x) x^4 - f(x) x^3 - x^4 + x^3 - 2 f(x) x + f(x) + x - 1)$$

Sequence: A052908
Score: 9.50568
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x - 1)^2}{x^4 - x^3 - 2 x + 1}$$

Sequence: A052909
Score: 12.5406
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{(3 x - 1) (x - 1)}$$

Sequence: A052909
Score: 18.1006
Type of gen. func.: lgdogf

$$-\frac{x^2 - 8 x + 5}{{}^{2}}$$

$$(x - 1) (3 x - 1) (x - x - 1)$$

Sequence: A052909
Score: 6.45293
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 5, a(2) = 16\}$$

Sequence: A052909
Score: 6.99633
Type of gen. func.: ogf

$$(12 f(x) + 13) (3 f(x) x^2 - 4 f(x) x + x^2 + f(x) - x - 1)$$

Sequence: A052910
Score: 13.5354
Type of gen. func.: ogf

$$\frac{(x - 1) (x^2 + x + 1)}{x^3 + 2 x - 1}$$

Sequence: A052910
Score: 16.6572
Type of gen. func.: lgdogf

$$\frac{2 (2 x^3 + 1)}{(x - 1) (x^2 + x + 1) (x^3 + 2 x - 1)}$$

Sequence: A052910
Score: 5.81784
Type of gen. func.: ogf

$$\{-a(n + 4) + 2 a(n + 3) + a(n + 1), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8\}$$

Sequence: A052910

Score: 9.89901
Type of gen. func.: ogf

$$f(x)\, x^{3} - x^{3} + 2\, f(x)\, x - f(x) + 1$$

Sequence: A052911
Score: 12.2332
Type of gen. func.: ogf

$$-\frac{x - 1}{2\, x^{3} - x^{2} - 3\, x + 1}$$

Sequence: A052911
Score: 14.4393
Type of gen. func.: lgdogf

$$-\frac{4\, x^{3} - 7\, x^{2} + 2\, x + 2}{(x - 1)\, (2\, x^{3} - x^{2} - 3\, x + 1)}$$

Sequence: A052911
Score: 5.78895
Type of gen. func.: ogf

$$\{-a(n + 3) + 3\, a(n + 2) + a(n + 1) - 2\, a(n),\ a(0) = 1,\ a(1) = 2,\ a(2) = 7\}$$

Sequence: A052911
Score: 6.17487
Type of gen. func.: ogf

$$(209\, f(x) + 8)\, (2\, f(x)\, x^{3} - f(x)\, x^{2} - 3\, f(x)\, x + f(x) + x - 1)$$

Sequence: A052912
Score: 21.3348
Type of gen. func.: ogf

$$-\frac{1}{{}^{3}}$$

$$2 x + 2 x - 1$$

Sequence: A052912
Score: 25.5720
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^2 + 1)}{2 x^3 + 2 x - 1}$$

Sequence: A052912
Score: 7.48987
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 2 a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A052912
Score: 8.69195
Type of gen. func.: ogf

$$(f(x) - 1) (2 f(x) x^3 + 2 f(x) x - f(x) + 1)$$

Sequence: A052913
Score: 12.1781
Type of gen. func.: revogf

$$- \frac{-1 - 5 x + (17 x^2 + 6 x + 1)^{1/2}}{2 (2 x + 1)}$$

Sequence: A052913
Score: 15.0435
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 - 2 x + 2)}{(x - 1) (2 x^2 - 5 x + 1)}$$

Sequence: A052913
Score: 16.9528
Type of gen. func.: ogf

$$-\frac{x - 1}{2 x^{2} - 5 x + 1}$$

Sequence: A052913
Score: 8.47637
Type of gen. func.: ogf

$$-(73 f(x) - 9) (2 f(x) x^{2} - 5 f(x) x + f(x) + x - 1)$$

Sequence: A052913
Score: 9.30335
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A052914
Score: 12.3583
Type of gen. func.: ogf

$$-\frac{x - 1}{2 x^{5} - 2 x^{4} - x^{3} - x + 1}$$

Sequence: A052914
Score: 14.0835
Type of gen. func.: lgdogf

$$-\frac{x^{2} (8 x^{3} - 16 x^{2} + 6 x + 3)}{(x - 1) (2 x^{5} - 2 x^{4} - x^{3} - x + 1)}$$

Sequence: A052915
Score: 12.0649
Type of gen. func.: ogf

$$-\frac{x-1}{3x^4-3x^3-x^2-x+1}$$

Sequence: A052915
Score: 14.2214
Type of gen. func.: lgdogf

$$-\frac{x(9x^3-18x^2+8x+2)}{(x-1)(3x^4-3x^3-x^2-x+1)}$$

Sequence: A052915
Score: 5.79494
Type of gen. func.: ogf

$$-(544f(x)+7)(3f(x)x^4-3f(x)x^3-f(x)x^2-f(x)x+f(x)+x-1)$$

Sequence: A052916
Score: 13.8733
Type of gen. func.: ogf

$$-\frac{x-1}{x^4-2x^3-x+1}$$

Sequence: A052916
Score: 18.1965
Type of gen. func.: lgdogf

$$-\frac{x^2(3x^2-8x+6)}{(x-1)(x^4-2x^3-x+1)}$$

Sequence: A052916
Score: 6.68443
Type of gen. func.: ogf

$$-(305 f(x) - 49) (f(x) x^4 - 2 f(x) x^3 - f(x) x + f(x) + x - 1)$$

Sequence: A052917
Score: 11.9873
Type of gen. func.: lgdogf

$$-a(n + 4) + 3 a(n + 3) + a(n), a(0) = 3, a(1) = 9, a(2) = 27, a(3) = 85$$

Sequence: A052917
Score: 19.6473
Type of gen. func.: ogf

$$-\frac{1}{x^4 + 3 x - 1}$$

Sequence: A052917
Score: 7.62778
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^4 + 3 f(x) x - f(x) + 1)$$

Sequence: A052918
Score: 15.2226
Type of gen. func.: revogf

$$\frac{-1 - 5 x + (29 x^2 + 10 x + 1)^{1/2}}{2 x}$$

Sequence: A052918
Score: 16.9755
Type of gen. func.: ogf

$$-\frac{1}{x^2 + 5 x - 1}$$

Sequence: A052918
Score: 27.4007
Type of gen. func.: lgdogf

$$-\frac{5 + 2 x}{x^2 + 5 x - 1}$$

Sequence: A052918
Score: 6.51386
Type of gen. func.: ogf

$$-(27 f(x) - 2) (f(x) x^2 + 5 f(x) x - f(x) + 1)$$

Sequence: A052918
Score: 6.83161
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A052919
Score: 11.8644
Type of gen. func.: ogf

$$\frac{x^2 - 5 x + 2}{(3 x - 1) (x - 1)}$$

Sequence: A052919
Score: 15.0190
Type of gen. func.: lgdogf

$$\frac{11 x^2 - 10 x + 3}{(x - 1) (3 x - 1) (x^2 - 5 x + 2)}$$

Sequence: A052919
Score: 6.16483
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 3 a(n + 1), a(0) = 2, a(1) = 3, a(2) = 7\}$$

Sequence: A052919
Score: 6.4826
Type of gen. func.: ogf

$$-(2 f(x) + 5) (3 f(x) x^2 - 4 f(x) x - x^2 + f(x) + 5 x - 2)$$

Sequence: A052920
Score: 25.4126
Type of gen. func.: ogf

$$-\frac{1}{x^5 + x^3 - 1}$$

Sequence: A052920
Score: 31.0599
Type of gen. func.: lgdogf

$$-\frac{x^2 (5 x^2 + 3)}{x^5 + x^3 - 1}$$

Sequence: A052921
Score: 13.0914
Type of gen. func.: ogf

$$\frac{x - 1}{x^3 - 2 x^2 + 3 x - 1}$$

Sequence: A052921
Score: 15.1164
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 5 x^2 + 4 x - 2}{}$$

$$(x - 1) (x^3 - 2 x^2 + 3 x - 1)$$

Sequence: A052921
Score: 6.19504
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A052921
Score: 7.41732
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^3 - 2 f(x) x^2 + 3 f(x) x - f(x) - x + 1)$$

Sequence: A052922
Score: 21.3319
Type of gen. func.: ogf

$$- \frac{1}{x^4 + 2 x^3 - 1}$$

Sequence: A052922
Score: 27.0838
Type of gen. func.: lgdogf

$$- \frac{2 x^2 (3 + 2 x)}{x^4 + 2 x^3 - 1}$$

Sequence: A052922
Score: 9.39619
Type of gen. func.: ogf

$$(73 f(x) - 137) (f(x) x^4 + 2 f(x) x^3 - f(x) + 1)$$

Sequence: A052923
Score: 10.7433
Type of gen. func.: ogf

$$4 f(x) x^2 + f(x) x - f(x) - x + 1$$

Sequence: A052923
Score: 15.0406
Type of gen. func.: ogf

$$\frac{x - 1}{4 x^2 + x - 1}$$

Sequence: A052923
Score: 16.6681
Type of gen. func.: revogf

$$\frac{-1 - x + (17 x^2 - 2 x + 1)^{1/2}}{2 (4 x - 1)}$$

Sequence: A052923
Score: 23.8116
Type of gen. func.: lgdogf

$$- \frac{4 x (x - 2)}{(x - 1) (4 x^2 + x - 1)}$$

Sequence: A052923
Score: 8.35589
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 4 a(n), a(0) = 1, a(1) = 0\}$$

Sequence: A052924
Score: 13.7339
Type of gen. func.: ogf

$$x - 1$$

$$\frac{\quad}{x^2 + 3 x - 1}$$

Sequence: A052924
Score: 15.5167
Type of gen. func.: revogf

$$\frac{-1 - 3 x + (13 x^2 + 2 x + 1)^{1/2}}{2 (x - 1)}$$

Sequence: A052924
Score: 19.5209
Type of gen. func.: lgdogf

$$- \frac{x^2 - 2 x - 2}{(x - 1) (x^2 + 3 x - 1)}$$

Sequence: A052924
Score: 7.10373
Type of gen. func.: ogf

$$(53 f(x) - 37) (f(x) x^2 + 3 f(x) x - f(x) - x + 1)$$

Sequence: A052924
Score: 7.53689
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) + a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A052925
Score: 10.9158
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 11 x^2 + 8 x - 2}{(x - 1) (x^2 - 3 x + 1) (x^3 - 4 x^2 + 6 x - 2)}$$

Sequence: A052925
Score: 4.89733
Type of gen. func.: ogf

$$\{a(n+4) - 4\,a(n+3) + 4\,a(n+2) - a(n+1),\ a(0) = 2,\ a(1) = 2,\ a(2) = 4,\ a(3) = 9\}$$

Sequence: A052925
Score: 5.38706
Type of gen. func.: ogf

$$(9\,f(x) + 14)\,(f(x)\,x^3 - 4\,f(x)\,x^2 - x^3 + 4\,f(x)\,x + 4\,x^2 - f(x) - 6\,x + 2)$$

Sequence: A052925
Score: 9.36880
Type of gen. func.: ogf

$$\frac{x^3 - 4\,x^2 + 6\,x - 2}{(x - 1)\,(x^2 - 3\,x + 1)}$$

Sequence: A052926
Score: 11.6928
Type of gen. func.: ogf

$$-\frac{3\,x - 1}{3\,x^3 - x^2 - 4\,x + 1}$$

Sequence: A052926
Score: 12.6460
Type of gen. func.: lgdogf

$$-\frac{18\,x^3 - 12\,x^2 + 2\,x + 1}{(3\,x - 1)\,(3\,x^3 - x^2 - 4\,x + 1)}$$

Sequence: A052926
Score: 5.53321
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) + a(n + 1) - 3 a(n), a(0) = 1, a(1) = 1, a(2) = 5\}$$

Sequence: A052926
Score: 5.58307
Type of gen. func.: ogf

$$-(451 f(x) - 234) (3 f(x) x^3 - f(x) x^2 - 4 f(x) x + f(x) + 3 x - 1)$$

Sequence: A052927
Score: 21.7518
Type of gen. func.: ogf

$$-\frac{1}{x^3 + 4 x - 1}$$

Sequence: A052927
Score: 30.6493
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 4}{x^3 + 4 x - 1}$$

Sequence: A052927
Score: 7.55589
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) + a(n), a(0) = 1, a(1) = 4, a(2) = 16\}$$

Sequence: A052927
Score: 8.86184
Type of gen. func.: ogf

3

$$(f(x) - 1) (f(x) x + 4 f(x) x - f(x) + 1)$$

Sequence: A052928
Score: 11.3181
Type of gen. func.: ogf

$$f(x) x^3 - f(x) x^2 - f(x) x - 2 x^2 + f(x)$$

Sequence: A052928
Score: 20.3726
Type of gen. func.: ogf

$$\frac{2 x^2}{(x + 1) (x - 1)^2}$$

Sequence: A052928
Score: 43.5175
Type of gen. func.: ogf_with_Euler_transform]

[x + 1]

Sequence: A052928
Score: 45.4079
Type of gen. func.: lgdogf

$$- \frac{3 x + 1}{(x - 1) (x + 1)}$$

Sequence: A052928
Score: 8.33425
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A052929
Score: 12.3291
Type of gen. func.: lgdogf

$$-\frac{3x^4+18x^3-18x^2+2x+3}{(x-1)(3x-1)(x+1)(x^2+3x-2)}$$

Sequence: A052929
Score: 12.3455
Type of gen. func.: ogf

$$-\frac{x^2+3x-2}{(x-1)(3x-1)(x+1)}$$

Sequence: A052929
Score: 6.49205
Type of gen. func.: ogf

$$(2008 f(x) + 107) (3 f(x) x^3 - f(x) x^2 - 3 f(x) x + x^2 + f(x) + 3 x - 2)$$

Sequence: A052929
Score: 6.66440
Type of gen. func.: ogf

$$\{a(n+3) - 3 a(n+2) - a(n+1) + 3 a(n), a(0) = 2, a(1) = 3, a(2) = 10\}$$

Sequence: A052930
Score: 10.6960
Type of gen. func.: ogf

$$-\frac{x-1}{2x^4-2x^3-2x^2-x+1}$$

Sequence: A052930
Score: 11.8918
Type of gen. func.: lgdogf

$$-\frac{2x(3x^3-6x^2+2x+2)}{}$$

$$(x - 1) (2 x^4 - 2 x^3 - 2 x^2 - x + 1)$$

Sequence: A052930
Score: 5.13746
Type of gen. func.: ogf

$$-(117 f(x) - 7) (2 f(x) x^4 - 2 f(x) x^3 - 2 f(x) x^2 - f(x) x + f(x) + x - 1)$$

Sequence: A052931
Score: 23.6729
Type of gen. func.: ogf

$$-\frac{1}{x^3 + 3 x^2 - 1}$$

Sequence: A052931
Score: 30.8183
Type of gen. func.: lgdogf

$$-\frac{3 x (x + 2)}{x^3 + 3 x^2 - 1}$$

Sequence: A052931
Score: 8.40008
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 1) + a(n), a(0) = 1, a(1) = 0, a(2) = 3\}$$

Sequence: A052931
Score: 9.19067
Type of gen. func.: ogf

$$(622 f(x) + 107) (f(x) x^3 + 3 f(x) x^2 - f(x) + 1)$$

Sequence: A052932

Score: 12.9475

Type of gen. func.: ogf

$$-\frac{x - 1}{x^5 - x^4 - 2 x + 1}$$

Sequence: A052932

Score: 15.2808

Type of gen. func.: lgdogf

$$-\frac{4 x^5 - 8 x^4 + 4 x^3 + 1}{(x - 1) (x^5 - x^4 - 2 x + 1)}$$

Sequence: A052933

Score: 12.0491

Type of gen. func.: ogf

$$-\frac{(x - 1) (x + 1)}{2 x^4 - 3 x^2 - x + 1}$$

Sequence: A052933

Score: 12.4641

Type of gen. func.: lgdogf

$$-\frac{4 x^5 - 8 x^3 + x^2 + 4 x + 1}{(x - 1) (x + 1) (2 x^4 - 3 x^2 - x + 1)}$$

Sequence: A052933

Score: 6.66794

Type of gen. func.: ogf

$$-f(x) (2 f(x) x^4 - 3 f(x) x^2 - f(x) x + x^2 + f(x) - 1)$$

Sequence: A052934

Score: 11.9829

Type of gen. func.: ogf

$$-6 f(x) x + f(x) + x - 1$$

Sequence: A052934
Score: 14.5738
Type of gen. func.: ogf

$$\frac{x - 1}{6 x - 1}$$

Sequence: A052934
Score: 16.4765
Type of gen. func.: revogf

$$1/2 + 3 x - \frac{(36 x^{2} + 8 x + 1)^{1/2}}{2}$$

Sequence: A052934
Score: 35.1499
Type of gen. func.: lgdogf

$$\frac{5}{(6 x - 1) (x - 1)}$$

Sequence: A052934
Score: 7.48932
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 5\}$$

Sequence: A052935
Score: 10.2420
Type of gen. func.: lgdogf

$$- \frac{2 x^{6} + 12 x^{4} - 16 x^{3} + 3 x^{2} + 2}{(x - 1) (2 x - 1) (x^{2} + x + 1) (x^{3} + 2 x - 2)}$$

Sequence: A052935
Score: 11.4767
Type of gen. func.: ogf

$$-\frac{x^3 + 2x - 2}{(2x - 1)(x - 1)(x^2 + x + 1)}$$

Sequence: A052935
Score: 5.78577
Type of gen. func.: ogf

$$-(2849 f(x) + 1919)(2 f(x) x^4 - f(x) x^3 + x^3 - 2 f(x) x + f(x) + 2x - 2)$$

Sequence: A052936
Score: 12.2682
Type of gen. func.: ogf

$$\frac{(2x - 1)(x - 1)}{5x^2 - 5x + 1}$$

Sequence: A052936
Score: 15.1747
Type of gen. func.: lgdogf

$$\frac{5x^2 - 6x + 2}{(x - 1)(2x - 1)(5x^2 - 5x + 1)}$$

Sequence: A052936
Score: 6.37465
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 5 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 7\}$$

Sequence: A052936
Score: 6.63483
Type of gen. func.: ogf

$$-(-7 + 87 f(x)) (5 f(x) x^{2} - 5 f(x) x - 2 x^{2} + f(x) + 3 x - 1)$$

Sequence: A052937
Score: 12.7227
Type of gen. func.: ogf

$$-\frac{x^{2} + 3 x - 2}{(x - 1) (x^{2} + 2 x - 1)}$$

Sequence: A052937
Score: 13.7498
Type of gen. func.: lgdogf

$$-\frac{x^{4} + 6 x^{3} - 6 x + 3}{(x - 1) (x^{2} + 3 x - 2) (x^{2} + 2 x - 1)}$$

Sequence: A052937
Score: 6.9293
Type of gen. func.: ogf

$$(2 f(x) + 23) (f(x) x^{3} + f(x) x^{2} - 3 f(x) x + x^{2} + f(x) + 3 x - 2)$$

Sequence: A052937
Score: 6.92930
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + a(n + 1) + a(n), a(0) = 2, a(1) = 3, a(2) = 6\}$$

Sequence: A052938
Score: 14.7467
Type of gen. func.: ogf

2

$$-\frac{2 x - 2 x - 1}{(x + 1) (x - 1)^2}$$

Sequence: A052938
Score: 19.6074
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 2 x^2 - x - 3}{(x - 1) (x + 1) (2 x^2 - 2 x - 1)}$$

Sequence: A052938
Score: 7.6233
Type of gen. func.: ogf

$$-(47 f(x) + 225) (f(x) x^3 - f(x) x^2 - f(x) x + 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A052938
Score: 8.03171
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 3, a(2) = 2\}$$

Sequence: A052939
Score: 11.3748
Type of gen. func.: ogf

$$-\frac{(x - 1) (x + 1)}{2 x^3 - x^2 - 3 x + 1}$$

Sequence: A052939
Score: 13.8115
Type of gen. func.: lgdogf

$$-\frac{2 x^4 - 3 x^2 + 3}{(x - 1) (x + 1) (2 x^3 - x^2 - 3 x + 1)}$$

Sequence: A052939
Score: 5.78895
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - a(n + 1) + 2 a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A052939
Score: 6.05945
Type of gen. func.: ogf

$$(f(x) - 1) (2 f(x) x^3 - f(x) x^2 - 3 f(x) x + x^2 + f(x) - 1)$$

Sequence: A052940
Score: 14.9495
Type of gen. func.: lgdogf

$$- \frac{2 x^2 - 8 x + 5}{(x - 1) (2 x - 1) (2 x^2 - 2 x - 1)}$$

Sequence: A052940
Score: 14.9756
Type of gen. func.: ogf

$$- \frac{2 x^2 - 2 x - 1}{(2 x - 1) (x - 1)}$$

Sequence: A052940
Score: 7.70590
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 5, a(2) = 11\}$$

Sequence: A052940
Score: 8.44369
Type of gen. func.: ogf

$$(7 f(x) + 18) (2 f(x) x^2 - 3 f(x) x + 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A052941
Score: 11.5729
Type of gen. func.: ogf

$$- \frac{x - 1}{x^3 + x^2 - 4 x + 1}$$

Sequence: A052941
Score: 14.3012
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 2 x^2 - 2 x + 3}{(x - 1) (x^3 + x^2 - 4 x + 1)}$$

Sequence: A052941
Score: 5.42800
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + a(n + 1) + a(n), a(0) = 1, a(1) = 3, a(2) = 11\}$$

Sequence: A052941
Score: 5.95499
Type of gen. func.: ogf

$$(9 f(x) + 2) (f(x) x^3 + f(x) x^2 - 4 f(x) x + f(x) + x - 1)$$

Sequence: A052942
Score: 14.1045
Type of gen. func.: lgdogf

$$-a(n + 4) + a(n + 3) + 2 a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 9$$

Sequence: A052942
Score: 22.2451
Type of gen. func.: ogf

$$-\frac{1}{(x+1)(2x^3-2x^2+2x-1)}$$

Sequence: A052942
Score: 8.63632
Type of gen. func.: ogf

$$-(f(x)-2)(2 f(x) x^4 + f(x) x - f(x) + 1)$$

Sequence: A052943
Score: 12.1148
Type of gen. func.: ogf

$$-\frac{(x-1)(x+1)}{x^5-x^3-2x^2+1}$$

Sequence: A052943
Score: 13.9973
Type of gen. func.: lgdogf

$$-\frac{x(3x^5-6x^3+3x+2)}{(x-1)(x+1)(x^5-x^3-2x^2+1)}$$

Sequence: A052943
Score: 6.65767
Type of gen. func.: ogf

$$-(-1+2 f(x))(f(x) x^5 - f(x) x^3 - 2 f(x) x^2 + x^2 + f(x) - 1)$$

Sequence: A052944
Score: 12.2821
Type of gen. func.: ogf

$$\frac{x (3 x - 2)}{(2 x - 1) (x - 1)^{2}}$$

Sequence: A052944
Score: 17.6842
Type of gen. func.: lgdogf

$$- \frac{12 x^{2} - 15 x + 5}{(x - 1) (2 x - 1) (3 x - 2)}$$

Sequence: A052944
Score: 6.30702
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 0, a(1) = 2, a(2) = 5\}$$

Sequence: A052944
Score: 8.23622
Type of gen. func.: ogf

$$-2 f(x) x^{3} + 5 f(x) x^{2} - 4 f(x) x + 3 x^{2} + f(x) - 2 x$$

Sequence: A052945
Score: 13.0488
Type of gen. func.: ogf

$$\frac{(x - 1) (x + 1)}{2 x^{2} + 2 x - 1}$$

Sequence: A052945
Score: 16.9246
Type of gen. func.: lgdogf

$$\frac{2 (x^{2} + x + 1)}{{}^{2}}$$

$$(x - 1) (x + 1) (2 x + 2 x - 1)$$

Sequence: A052945
Score: 6.26856
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A052945
Score: 7.18418
Type of gen. func.: ogf

$$(3 f(x) - 1) (2 f(x) x^{2} + 2 f(x) x - x^{2} - f(x) + 1)$$

Sequence: A052946
Score: 10.4278
Type of gen. func.: ogf

$$- \frac{(x - 1)^{2}}{x^{4} - 2 x^{3} + 3 x - 1}$$

Sequence: A052946
Score: 12.2140
Type of gen. func.: lgdogf

$$- \frac{2 x^{4} - 6 x^{3} + 6 x^{2} - 3 x - 1}{(x - 1) (x^{4} - 2 x^{3} + 3 x - 1)}$$

Sequence: A052946
Score: 5.48359
Type of gen. func.: ogf

$$-(21 f(x) - 2) (f(x) x^{4} - 2 f(x) x^{3} + 3 f(x) x + x^{2} - f(x) - 2 x + 1)$$

Sequence: A052947
Score: 10.5986
Type of gen. func.: ogf

$$f(x) (2 f(x) x^3 + f(x) x^2 - f(x) + 1)$$

Sequence: A052947
Score: 23.4454
Type of gen. func.: ogf

$$- \frac{1}{2 x^3 + x^2 - 1}$$

Sequence: A052947
Score: 28.2402
Type of gen. func.: lgdogf

$$- \frac{2 x (3 x + 1)}{2 x^3 + x^2 - 1}$$

Sequence: A052947
Score: 8.31933
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 1) - 2 a(n), a(0) = 1, a(1) = 0, a(2) = 1\}$$

Sequence: A052948
Score: 14.3655
Type of gen. func.: lgdogf

$$- \frac{8 x^3 - 6 x^2 + 1}{(2 x - 1) (x - 1) (2 x^2 + 2 x - 1)}$$

Sequence: A052948
Score: 14.6617
Type of gen. func.: ogf

$$-\frac{2x-1}{(x-1)(2x^2+2x-1)}$$

Sequence: A052948
Score: 7.01889
Type of gen. func.: ogf

$$\{-a(n+3)+3a(n+2)-2a(n), a(0)=1, a(1)=1, a(2)=3\}$$

Sequence: A052948
Score: 8.14539
Type of gen. func.: ogf

$$-f(x)(2f(x)x^3-3f(x)x+f(x)+2x-1)$$

Sequence: A052949
Score: 10.2522
Type of gen. func.: ogf

$$-\frac{x^3-4x+2}{(x-1)(x^3-x^2-2x+1)}$$

Sequence: A052949
Score: 10.5101
Type of gen. func.: lgdogf

$$-\frac{x^6-11x^4+18x^3-5x^2-4x+2}{(x-1)(x^3-x^2-2x+1)(x^3-4x+2)}$$

Sequence: A052949
Score: 5.16351
Type of gen. func.: ogf

$$-(262 f(x) + 415)$$

$$(f(x)x^4-2f(x)x^3-f(x)x^2+x^3+3f(x)x-f(x)-4x+2)$$

Sequence: A052950
Score: 10.3375
Type of gen. func.: ogf

$$\frac{(x-2)(x^2+x-1)}{(x-1)(2x-1)(x+1)}$$

Sequence: A052950
Score: 11.4640
Type of gen. func.: lgdogf

$$\frac{x^4+8x^3-10x^2+2x+1}{(x-1)(x-2)(2x-1)(x+1)(x^2+x-1)}$$

Sequence: A052950
Score: 5.40370
Type of gen. func.: ogf

{-a(n + 4) + 2 a(n + 3) + a(n + 2) - 2 a(n + 1), a(0) = 2, a(1) = 1, a(2) = 3,

a(3) = 4}

Sequence: A052950
Score: 5.7063
Type of gen. func.: ogf

$$-(23+36f(x))(2f(x)x^3-f(x)x^2-x^3-2f(x)x+x^2+f(x)+3x-2)$$

Sequence: A052951
Score: 12.7703
Type of gen. func.: ogf

$$-\frac{(2x+1)(x-1)}{(2x-1)^2}$$

Sequence: A052951
Score: 20.7299
Type of gen. func.: lgdogf

$$-\frac{-5 + 2x}{(x - 1)(2x + 1)(2x - 1)}$$

Sequence: A052951
Score: 6.57114
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 5, a(2) = 14\}$$

Sequence: A052951
Score: 7.20028
Type of gen. func.: ogf

$$(8 f(x) + 17) (4 f(x) x^2 - 4 f(x) x + 2 x^2 + f(x) - x - 1)$$

Sequence: A052952
Score: 16.3739
Type of gen. func.: ogf

$$\frac{1}{(x - 1)(x + 1)(x^2 + x - 1)}$$

Sequence: A052952
Score: 16.4591
Type of gen. func.: lgdogf

$$-\frac{4x^3 + 3x^2 - 4x - 1}{(x - 1)(x + 1)(x^2 + x - 1)}$$

Sequence: A052952
Score: 6.52293
Type of gen. func.: ogf

$$-(33 f(x) + 14) (f(x) x^4 + f(x) x^3 - 2 f(x) x^2 - f(x) x + f(x) - 1)$$

Sequence: A052953
Score: 11.8652
Type of gen. func.: ogf

$$-\frac{2 (x^2 + x - 1)}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A052953
Score: 13.3923
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 4 x^3 - 5 x^2 + 1}{(x - 1) (2 x - 1) (x + 1) (x^2 + x - 1)}$$

Sequence: A052953
Score: 6.29371
Type of gen. func.: ogf

$$-(f(x) + 6) (2 f(x) x^3 - f(x) x^2 - 2 f(x) x + 2 x^2 + f(x) + 2 x - 2)$$

Sequence: A052953
Score: 6.46230
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - a(n + 1) + 2 a(n), a(0) = 2, a(1) = 2, a(2) = 4\}$$

Sequence: A052954
Score: 11.5610
Type of gen. func.: lgdogf

$$-\frac{x^6 + 2 x^5 + 4 x^4 - 6 x^3 - 3 x^2 + 2 x + 1}{(x - 1) (x^3 + x^2 + x - 2) (x^3 + x^2 - 1)}$$

Sequence: A052954
Score: 11.6191
Type of gen. func.: ogf

$$-\frac{x^3 + x^2 + x - 2}{(x - 1)(x^3 + x^2 - 1)}$$

Sequence: A052954
Score: 8.2651
Type of gen. func.: ogf

$$-f(x) x^4 + f(x) x^2 - x^3 + f(x) x - x^2 - f(x) - x + 2$$

Sequence: A052955
Score: 12.8061
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{(x - 1)(2 x^2 - 1)}$$

Sequence: A052955
Score: 14.7350
Type of gen. func.: lgdogf

$$-\frac{2 x^4 - 4 x^3 - 3 x^2 + 2 x + 2}{(x - 1)(2 x^2 - 1)(x^2 - x - 1)}$$

Sequence: A052955
Score: 6.79281
Type of gen. func.: ogf

$$-(2 f(x) + 7)(2 f(x) x^3 - 2 f(x) x^2 - f(x) x + x^2 + f(x) - x - 1)$$

Sequence: A052955
Score: 6.97476
Type of gen. func.: ogf

$$\{-a(n+3) + a(n+2) + 2\,a(n+1) - 2\,a(n),\ a(0) = 1,\ a(1) = 2,\ a(2) = 3\}$$

Sequence: A052956
Score: 11.5335
Type of gen. func.: ogf

$$-\frac{x^2 + 3x - 2}{(2x - 1)(x^2 + x - 1)}$$

Sequence: A052956
Score: 11.8911
Type of gen. func.: lgdogf

$$-\frac{2x^4 + 12x^3 - 6x^2 - 6x + 3}{(2x - 1)(x^2 + 3x - 2)(x^2 + x - 1)}$$

Sequence: A052956
Score: 6.06504
Type of gen. func.: ogf

$$-(f(x) + 25)(2 f(x) x^3 + f(x) x^2 - 3 f(x) x + x^2 + f(x) + 3x - 2)$$

Sequence: A052956
Score: 6.28165
Type of gen. func.: ogf

$$\{-a(n+3) + 3\,a(n+2) - a(n+1) - 2\,a(n),\ a(0) = 2,\ a(1) = 3,\ a(2) = 6\}$$

Sequence: A052957
Score: 11.4767
Type of gen. func.: ogf

$$-\frac{2 (x^2 + x - 1)}{(2 x - 1) (2 x^2 - 1)}$$

Sequence: A052957
Score: 12.2539
Type of gen. func.: lgdogf

$$-\frac{4 x^4 + 8 x^3 - 12 x^2 + 2 x + 1}{(2 x - 1) (2 x^2 - 1) (x^2 + x - 1)}$$

Sequence: A052957
Score: 5.98358
Type of gen. func.: ogf

$$-(13 f(x) + 79) (4 f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + 2 x^2 + f(x) + 2 x - 2)$$

Sequence: A052957
Score: 6.25071
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - 4 a(n), a(0) = 2, a(1) = 2, a(2) = 6\}$$

Sequence: A052958
Score: 12.2332
Type of gen. func.: ogf

$$-\frac{x - 1}{2 x^4 - 2 x^3 - 3 x + 1}$$

Sequence: A052958
Score: 12.7066
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^4 - 6 x^3 + 3 x^2 + 1)}{{}^{4}\quad{}^{3}}$$

$$(x - 1)(2 x - 2 x - 3 x + 1)$$

Sequence: A052958
Score: 6.23424
Type of gen. func.: ogf

$$(87 f(x) - 5)(2 f(x) x^{4} - 2 f(x) x^{3} - 3 f(x) x + f(x) + x - 1)$$

Sequence: A052959
Score: 13.6820
Type of gen. func.: ogf

$$- \frac{2 x^{2} + x - 2}{(x - 1)(x + 1)(x^{2} + x - 1)}$$

Sequence: A052959
Score: 14.0760
Type of gen. func.: lgdogf

$$- \frac{4 x^{5} + 5 x^{4} - 6 x^{3} - 6 x^{2} + 4 x + 1}{(x - 1)(x + 1)(x^{2} + x - 1)(2 x^{2} + x - 2)}$$

Sequence: A052959
Score: 7.0982
Type of gen. func.: ogf

$$(196 f(x) + 221)(f(x) x^{4} + f(x) x^{3} - 2 f(x) x^{2} - f(x) x + 2 x^{2} + f(x) + x - 2)$$

Sequence: A052960
Score: 10.8079
Type of gen. func.: lgdogf

$$- \frac{(x + 1)(2 x^{4} + 2 x^{3} - 4 x^{2} + x + 1)}{(x^{2} + x - 1)(x^{4} + x^{3} - 2 x^{2} - 2 x + 1)}$$

Sequence: A052960
Score: 5.06342
Type of gen. func.: ogf

$$-(13 f(x) - 18) (f(x) x^4 + f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + x^2 + f(x) + x - 1)$$

Sequence: A052960
Score: 9.90670
Type of gen. func.: ogf

$$-\frac{x^2 + x - 1}{x^4 + x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A052961
Score: 17.1593
Type of gen. func.: ogf

$$-\frac{3 x - 1}{3 x^2 - 5 x + 1}$$

Sequence: A052961
Score: 18.9784
Type of gen. func.: revogf

$$-\frac{-1 - 5 x + (13 x^2 - 2 x + 1)^{1/2}}{6 (x + 1)}$$

Sequence: A052961
Score: 21.0871
Type of gen. func.: lgdogf

$$-\frac{9 x^2 - 6 x + 2}{(3 x - 1) (3 x^2 - 5 x + 1)}$$

Sequence: A052961
Score: 8.48537
Type of gen. func.: ogf

$$-(37 f(x) - 21) (3 f(x) x^2 - 5 f(x) x + f(x) + 3 x - 1)$$

Sequence: A052961
Score: 9.41671
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A052962
Score: 11.9888
Type of gen. func.: ogf

$$-\frac{2 x^2 - 1}{2 x^4 - 3 x^2 - x + 1}$$

Sequence: A052962
Score: 12.4005
Type of gen. func.: lgdogf

$$-\frac{8 x^5 - 8 x^3 + 2 x^2 + 2 x + 1}{(2 x^2 - 1) (2 x^4 - 3 x^2 - x + 1)}$$

Sequence: A052962
Score: 6.90266
Type of gen. func.: ogf

$$f(x) (2 f(x) x^4 - 3 f(x) x^2 - f(x) x + 2 x^2 + f(x) - 1)$$

Sequence: A052963
Score: 12.3749
Type of gen. func.: ogf

$$-\frac{x^2 + x - 1}{x^3 - 3x + 1}$$

Sequence: A052963
Score: 16.0672
Type of gen. func.: lgdogf

$$-\frac{x^4 + 2x^3 - 2x + 2}{(x^2 + x - 1)(x^3 - 3x + 1)}$$

Sequence: A052963
Score: 6.69257
Type of gen. func.: ogf

$$-(25 f(x) - 4) (f(x) x^3 - 3 f(x) x + x^2 + f(x) + x - 1)$$

Sequence: A052963
Score: 6.97736
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A052964
Score: 13.1944
Type of gen. func.: ogf

$$-\frac{x - 1}{(2x - 1)(x^2 - x - 1)}$$

Sequence: A052964
Score: 16.8003
Type of gen. func.: lgdogf

$$x (4 x^2 - 9 x + 6)$$

$$- \overline{(2 x - 1) (x - 1) (x^2 - x - 1)}$$

Sequence: A052964
Score: 6.30002
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 0, a(2) = 3\}$$

Sequence: A052964
Score: 6.59718
Type of gen. func.: ogf

$$(787 f(x) - 58) (2 f(x) x^3 - 3 f(x) x^2 - f(x) x + f(x) + x - 1)$$

Sequence: A052965
Score: 11.7528
Type of gen. func.: ogf

$$- \frac{x - 1}{4 x^3 - 4 x^2 - 3 x + 1}$$

Sequence: A052965
Score: 12.7122
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^3 - 8 x^2 + 4 x + 1)}{(x - 1) (4 x^3 - 4 x^2 - 3 x + 1)}$$

Sequence: A052965
Score: 5.51237
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + 4 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 2, a(2) = 10\}$$

Sequence: A052965
Score: 5.71467
Type of gen. func.: ogf

$$-(111 f(x) + 1) (4 f(x) x^3 - 4 f(x) x^2 - 3 f(x) x + f(x) + x - 1)$$

Sequence: A052966
Score: 12.7064
Type of gen. func.: ogf

$$-\frac{x - 1}{2 x^3 - 4 x^2 - x + 1}$$

Sequence: A052966
Score: 15.7913
Type of gen. func.: lgdogf

$$-\frac{2 x (2 x^2 - 5 x + 4)}{(x - 1) (2 x^3 - 4 x^2 - x + 1)}$$

Sequence: A052966
Score: 6.067
Type of gen. func.: ogf

$$-(289 f(x) - 545) (2 f(x) x^3 - 4 f(x) x^2 - f(x) x + f(x) + x - 1)$$

Sequence: A052966
Score: 6.06701
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 4 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 0, a(2) = 4\}$$

Sequence: A052967
Score: 12.9631
Type of gen. func.: ogf

$$-\frac{x - 1}{}$$

$$x^4 - x^2 - 2x + 1$$

Sequence: A052967
Score: 14.6399
Type of gen. func.: lgdogf

$$-\frac{3x^4 - 4x^3 - x^2 + 2x + 1}{(x - 1)(x^4 - x^2 - 2x + 1)}$$

Sequence: A052967
Score: 6.3615
Type of gen. func.: ogf

$$-(15 f(x) - 1)(f(x) x^4 - f(x) x^2 - 2 f(x) x + f(x) + x - 1)$$

Sequence: A052968
Score: 10.3882
Type of gen. func.: ogf

$$\frac{x^3 - 3x^2 + 5x - 2}{(2x - 1)(x - 1)^2}$$

Sequence: A052968
Score: 13.2603
Type of gen. func.: lgdogf

$$\frac{x^3 - 11x^2 + 11x - 3}{(2x - 1)(x - 1)(x^3 - 3x^2 + 5x - 2)}$$

Sequence: A052968
Score: 5.43019
Type of gen. func.: ogf

$\{a(n + 4) - 4 a(n + 3) + 5 a(n + 2) - 2 a(n + 1), a(0) = 2, a(1) = 3, a(2) = 5,$

a(3) = 8}

Sequence: A052968
Score: 5.78052
Type of gen. func.: ogf

$$-(2 f(x) - 15) (2 f(x) x^3 - 5 f(x) x^2 - x^3 + 4 f(x) x + 3 x^2 - f(x) - 5 x + 2)$$

Sequence: A052969
Score: 13.8860
Type of gen. func.: ogf

$$-\frac{x - 1}{x^4 - 2 x^2 - x + 1}$$

Sequence: A052969
Score: 16.4839
Type of gen. func.: lgdogf

$$-\frac{x (3 x^3 - 4 x^2 - 2 x + 4)}{(x - 1) (x^4 - 2 x^2 - x + 1)}$$

Sequence: A052969
Score: 6.8781
Type of gen. func.: ogf

$$-(9 f(x) - 1) (f(x) x^4 - 2 f(x) x^2 - f(x) x + f(x) + x - 1)$$

Sequence: A052970
Score: 13.6712
Type of gen. func.: ogf

$$-\frac{2 x - 1}{2 x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A052970
Score: 15.1972
Type of gen. func.: lgdogf

$$-\frac{2 x (4 x^2 - 5 x + 2)}{(2 x - 1) (2 x^3 - 2 x^2 - 2 x + 1)}$$

Sequence: A052970
Score: 6.52768
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 0, a(2) = 2\}$$

Sequence: A052970
Score: 6.70899
Type of gen. func.: ogf

$$-(9 f(x) - 13) (2 f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + f(x) + 2 x - 1)$$

Sequence: A052971
Score: 13.1528
Type of gen. func.: ogf

$$-\frac{x - 1}{2 x^4 - 2 x^3 - 2 x + 1}$$

Sequence: A052971
Score: 13.9462
Type of gen. func.: lgdogf

$$-\frac{6 x^4 - 12 x^3 + 6 x^2 + 1}{(x - 1) (2 x^4 - 2 x^3 - 2 x + 1)}$$

Sequence: A052971
Score: 6.70288

Type of gen. func.: ogf

$$(49 f(x) - 1) (2 f(x) x^4 - 2 f(x) x^3 - 2 f(x) x + f(x) + x - 1)$$

Sequence: A052972
Score: 10.9942
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^2 + x + 1)}{x^5 - x^3 - x^2 - x + 1}$$

Sequence: A052972
Score: 11.6734
Type of gen. func.: lgdogf

$$-\frac{2 x^7 - 4 x^4 + 2 x^3 + 2 x + 1}{(x - 1) (x^2 + x + 1) (x^5 - x^3 - x^2 - x + 1)}$$

Sequence: A052973
Score: 12.3753
Type of gen. func.: ogf

$$-\frac{x - 1}{x^3 - 3 x^2 - x + 1}$$

Sequence: A052973
Score: 16.9892
Type of gen. func.: lgdogf

$$-\frac{2 x (x^2 - 3 x + 3)}{(x - 1) (x^3 - 3 x^2 - x + 1)}$$

Sequence: A052973
Score: 5.90894

Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 0, a(2) = 3\}$$

Sequence: A052973
Score: 6.12983
Type of gen. func.: ogf

$$(868 f(x) - 139) (f(x) x^{3} - 3 f(x) x^{2} - f(x) x + f(x) + x - 1)$$

Sequence: A052974
Score: 11.6530
Type of gen. func.: ogf

$$- \frac{2 x - 1}{2 x^{4} - x^{3} - x^{2} - 2 x + 1}$$

Sequence: A052974
Score: 13.2176
Type of gen. func.: lgdogf

$$- \frac{x (12 x^{3} - 12 x^{2} + x + 2)}{(2 x - 1) (2 x^{4} - x^{3} - x^{2} - 2 x + 1)}$$

Sequence: A052974
Score: 5.59713
Type of gen. func.: ogf

$$(1763 f(x) - 1080) (2 f(x) x^{4} - f(x) x^{3} - f(x) x^{2} - 2 f(x) x + f(x) + 2 x - 1)$$

Sequence: A052975
Score: 10.6431
Type of gen. func.: lgdogf

$$- \frac{2 x^{4} - 6 x^{3} + 11 x^{2} - 8 x + 2}{{}^{3} \qquad {}^{2}}$$

$$(2 x - 1) (x - 1) (x - 6 x + 5 x - 1)$$

Sequence: A052975
Score: 12.5640
Type of gen. func.: ogf

$$-\frac{(2 x - 1) (x - 1)}{x^{3} - 6 x^{2} + 5 x - 1}$$

Sequence: A052975
Score: 6.84291
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 6 a(n + 1) + a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A052975
Score: 6.84292
Type of gen. func.: ogf

$$(13 f(x) - 5) (f(x) x^{3} - 6 f(x) x^{2} + 5 f(x) x + 2 x^{2} - f(x) - 3 x + 1)$$

Sequence: A052976
Score: 12.5615
Type of gen. func.: ogf

$$-\frac{2 x - 1}{2 x^{4} - x^{3} - 3 x + 1}$$

Sequence: A052976
Score: 12.7956
Type of gen. func.: lgdogf

$$-\frac{12 x^{4} - 12 x^{3} + 3 x^{2} + 1}{(2 x - 1) (2 x^{4} - x^{3} - 3 x + 1)}$$

Sequence: A052976
Score: 5.94428
Type of gen. func.: ogf

$$-(1773 f(x) - 760) (2 f(x) x^4 - f(x) x^3 - 3 f(x) x + f(x) + 2 x - 1)$$

Sequence: A052977
Score: 11.1916
Type of gen. func.: ogf

$$-\frac{(x - 1) (x + 1)}{x^5 - x^3 - x^2 - x + 1}$$

Sequence: A052977
Score: 13.7139
Type of gen. func.: lgdogf

$$-\frac{3 x^6 - 6 x^4 + 4 x^2 + 1}{(x - 1) (x + 1) (x^5 - x^3 - x^2 - x + 1)}$$

Sequence: A052978
Score: 13.6043
Type of gen. func.: ogf

$$-\frac{2 x - 1}{4 x^3 - 2 x^2 - 4 x + 1}$$

Sequence: A052978
Score: 6.38079
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) + 2 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 2, a(2) = 10\}$$

Sequence: A052978
Score: 6.5548
Type of gen. func.: ogf

$$-(107 f(x) - 22) (4 f(x) x^3 - 2 f(x) x^2 - 4 f(x) x + f(x) + 2 x - 1)$$

Sequence: A052978
Score: 9.49174
Type of gen. func.: lgdogf

$$-\frac{2 (8 x^3 - 8 x^2 + 2 x + 1)}{(2 x - 1) (4 x^3 - 2 x^2 - 4 x + 1)}$$

Sequence: A052979
Score: 11.4218
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^5 - 4 x^3 + x^2 + 2 x + 1)}{(x - 1) (x + 1) (2 x^4 - 3 x^2 - 2 x + 1)}$$

Sequence: A052979
Score: 11.8535
Type of gen. func.: ogf

$$-\frac{(x - 1) (x + 1)}{2 x^4 - 3 x^2 - 2 x + 1}$$

Sequence: A052979
Score: 6.03256
Type of gen. func.: ogf

$$-(11 f(x) - 1) (2 f(x) x^4 - 3 f(x) x^2 - 2 f(x) x + x^2 + f(x) - 1)$$

Sequence: A052980
Score: 15.2622
Type of gen. func.: ogf

$$\frac{x - 1}{}$$

$$x^3 + 2 x - 1$$

Sequence: A052980
Score: 19.2303
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 3 x^2 - 1}{(x - 1) (x^3 + 2 x - 1)}$$

Sequence: A052980
Score: 7.30636
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + a(n), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A052980
Score: 9.21433
Type of gen. func.: ogf

$$(5 f(x) - 3) (f(x) x^3 + 2 f(x) x - f(x) - x + 1)$$

Sequence: A052981
Score: 14.2117
Type of gen. func.: ogf

$$-\frac{x - 1}{3 x^3 - 3 x^2 - 4 x + 1}$$

Sequence: A052981
Score: 15.4238
Type of gen. func.: lgdogf

$$-\frac{3 (2 x^3 - 4 x^2 + 2 x + 1)}{(x - 1) (3 x^3 - 3 x^2 - 4 x + 1)}$$

Sequence: A052981
Score: 6.66565
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) + 3 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 3, a(2) = 15\}$$

Sequence: A052981
Score: 6.97423
Type of gen. func.: ogf

$$-(65 f(x) - 2) (3 f(x) x^3 - 3 f(x) x^2 - 4 f(x) x + f(x) + x - 1)$$

Sequence: A052982
Score: 12.1946
Type of gen. func.: lgdogf

$$-\frac{3 x^4 - 4 x^3 - 2 x^2 + 4 x + 1}{(x - 1) (x^4 - 2 x^2 - 2 x + 1)}$$

Sequence: A052982
Score: 14.6958
Type of gen. func.: ogf

$$-\frac{x - 1}{x^4 - 2 x^2 - 2 x + 1}$$

Sequence: A052982
Score: 7.34787
Type of gen. func.: ogf

$$(154 f(x) - 19) (f(x) x^4 - 2 f(x) x^2 - 2 f(x) x + f(x) + x - 1)$$

Sequence: A052984
Score: 14.0052
Type of gen. func.: ogf

$$-\frac{2x-1}{2x^2-5x+1}$$

Sequence: A052984
Score: 15.4423
Type of gen. func.: revogf

$$-\frac{-1-5x+(17x^2+2x+1)^{1/2}}{4(x+1)}$$

Sequence: A052984
Score: 16.6944
Type of gen. func.: lgdogf

$$-\frac{4x^2-4x+3}{(2x-1)(2x^2-5x+1)}$$

Sequence: A052984
Score: 7.0026
Type of gen. func.: ogf

$$-(11 f(x)-2)(2 f(x) x^2-5 f(x) x+f(x)+2x-1)$$

Sequence: A052984
Score: 7.68577
Type of gen. func.: ogf

$$\{a(n+2)-5a(n+1)+2a(n),\ a(0)=1,\ a(1)=3\}$$

Sequence: A052985
Score: 10.4278
Type of gen. func.: ogf

$$-\frac{x-1}{x^4-x^3+x^2-3x+1}$$

Sequence: A052985
Score: 11.9791
Type of gen. func.: lgdogf

$$-\frac{3 x^4 - 6 x^3 + 4 x^2 - 2 x + 2}{(x - 1) (x^4 - x^3 + x^2 - 3 x + 1)}$$

Sequence: A052985
Score: 5.04839
Type of gen. func.: ogf

$$-(12 f(x) - 1) (f(x) x^4 - f(x) x^3 + f(x) x^2 - 3 f(x) x + f(x) + x - 1)$$

Sequence: A052986
Score: 12.8098
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^3 - 2 x^2 - x + 1)}{(x - 1) (2 x - 1) (2 x^2 + 3 x - 1)}$$

Sequence: A052986
Score: 14.3027
Type of gen. func.: ogf

$$-\frac{2 x - 1}{(x - 1) (2 x^2 + 3 x - 1)}$$

Sequence: A052986
Score: 6.76824
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + a(n + 1) + 2 a(n), a(0) = 1, a(1) = 2, a(2) = 7\}$$

Sequence: A052986
Score: 7.01891
Type of gen. func.: ogf

$$-(3 f(x) + 20) (2 f(x) x^3 + f(x) x^2 - 4 f(x) x + f(x) + 2 x - 1)$$

Sequence: A052987
Score: 11.9332
Type of gen. func.: ogf

$$-\frac{2 x^2 - 1}{2 x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A052987
Score: 14.4940
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^4 - x^2 + 1)}{(2 x^2 - 1) (2 x^3 - 2 x^2 - 2 x + 1)}$$

Sequence: A052987
Score: 6.07317
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A052987
Score: 6.35695
Type of gen. func.: ogf

$$(5 f(x) - 1) (2 f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + 2 x^2 + f(x) - 1)$$

Sequence: A052988
Score: 10.0991
Type of gen. func.: ogf

$$-\frac{(x-1)(x+1)}{x^4+x^3-2x^2-2x+1}$$

Sequence: A052988
Score: 10.3728
Type of gen. func.: lgdogf

$$-\frac{2x^5+x^4-4x^3-x^2+2x+2}{(x-1)(x+1)(x^4+x^3-2x^2-2x+1)}$$

Sequence: A052988
Score: 6.37325
Type of gen. func.: ogf

$$f(x)x^4+f(x)x^3-2f(x)x^2-2f(x)x+x^2+f(x)-1$$

Sequence: A052989
Score: 12.5522
Type of gen. func.: ogf

$$-\frac{x-1}{x^5-x^4-x^2-x+1}$$

Sequence: A052989
Score: 15.0939
Type of gen. func.: lgdogf

$$-\frac{x(4x^4-8x^3+4x^2-x+2)}{(x-1)(x^5-x^4-x^2-x+1)}$$

Sequence: A052990
Score: 13.5436
Type of gen. func.: ogf

$$x-1$$

$$-\frac{}{2 x^{3} - x^{2} - 4 x + 1}$$

Sequence: A052990
Score: 16.0212
Type of gen. func.: lgdogf

$$-\frac{4 x^{3} - 7 x^{2} + 2 x + 3}{(x - 1) (2 x^{3} - x^{2} - 4 x + 1)}$$

Sequence: A052990
Score: 6.35230
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) + a(n + 1) - 2 a(n), a(0) = 1, a(1) = 3, a(2) = 13\}$$

Sequence: A052990
Score: 6.83628
Type of gen. func.: ogf

$$(149 f(x) - 4) (2 f(x) x^{3} - f(x) x^{2} - 4 f(x) x + f(x) + x - 1)$$

Sequence: A052991
Score: 11.0291
Type of gen. func.: ogf

$$-f(x) x^{2} - 3 f(x) x + x^{2} + f(x) + x - 1$$

Sequence: A052991
Score: 11.6001
Type of gen. func.: ogf

$$\frac{x^{2} + x - 1}{x^{2} + 3 x - 1}$$

Sequence: A052991
Score: 19.4171
Type of gen. func.: lgdogf

$$\frac{2 (x^2 + 1)}{(x^2 + x - 1) (x^2 + 3 x - 1)}$$

Sequence: A052991
Score: 6.02751
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 2, a(2) = 6}

Sequence: A052992
Score: 17.3287
Type of gen. func.: lgdogf

$$- \frac{12 x^2 - 8 x - 1}{(x - 1) (2 x + 1) (2 x - 1)}$$

Sequence: A052992
Score: 18.6401
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (2 x + 1) (2 x - 1)}$$

Sequence: A052992
Score: 6.15788
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - 4 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 1, a(2) = 5}

Sequence: A052992
Score: 7.87198
Type of gen. func.: ogf

$$(3 f(x) + 2) (4 f(x) x^3 - 4 f(x) x^2 - f(x) x + f(x) - 1)$$

Sequence: A052993
Score: 19.1220
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (3 x^2 - 1)}$$

Sequence: A052993
Score: 22.3643
Type of gen. func.: lgdogf

$$- \frac{9 x^2 - 6 x - 1}{(x - 1) (3 x^2 - 1)}$$

Sequence: A052993
Score: 6.31710
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 3 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 1, a(2) = 4\}$$

Sequence: A052993
Score: 7.00509
Type of gen. func.: ogf

$$(13 f(x) + 11) (3 f(x) x^3 - 3 f(x) x^2 - f(x) x + f(x) - 1)$$

Sequence: A052994
Score: 12.2901
Type of gen. func.: ogf

$$- \frac{2 x (x - 1)}{x^3 - x^2 - 2 x + 1}$$

Sequence: A052994
Score: 16.4341
Type of gen. func.: lgdogf

$$-\frac{2x^3-4x^2+2x+1}{(x-1)(x^3-x^2-2x+1)}$$

Sequence: A052994
Score: 6.31112
Type of gen. func.: ogf

$$\{a(n+3)-2a(n+2)-a(n+1)+a(n),\ a(0)=0,\ a(1)=2,\ a(2)=2\}$$

Sequence: A052994
Score: 6.54704
Type of gen. func.: ogf

$$(f(x)+2)(f(x)x^3-f(x)x^2-2f(x)x+2x^2+f(x)-2x)$$

Sequence: A052995
Score: 15.4789
Type of gen. func.: ogf

$$-\frac{2x(x-1)}{x^2-3x+1}$$

Sequence: A052995
Score: 16.5756
Type of gen. func.: revogf

$$-\frac{-2-3x+(5x^2+4x+4)^{1/2}}{2(x+2)}$$

Sequence: A052995
Score: 21.5482
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2x + 2}{(x - 1)(x^2 - 3x + 1)}$$

Sequence: A052995
Score: 7.50958
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 0, a(1) = 2, a(2) = 4\}$$

Sequence: A052995
Score: 9.36379
Type of gen. func.: ogf

$$f(x) (f(x) x^2 - 3 f(x) x + 2 x^2 + f(x) - 2 x)$$

Sequence: A052996
Score: 12.0491
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 - 1}{(2 x - 1) (x - 1)}$$

Sequence: A052996
Score: 12.6993
Type of gen. func.: lgdogf

$$\frac{2 x^4 - 6 x^3 + 6 x^2 + 2 x - 3}{(x - 1) (2 x - 1) (x^3 - x^2 - 1)}$$

Sequence: A052996
Score: 5.97216
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 3) + 2 a(n + 2), a(0) = 1, a(1) = 3, a(2) = 8, a(3) = 17\}$$

Sequence: A052996
Score: 6.73331
Type of gen. func.: ogf

$$-(8 f(x) + 83) (2 f(x) x^2 + x^3 - 3 f(x) x - x^2 + f(x) - 1)$$

Sequence: A052997
Score: 11.0901
Type of gen. func.: ogf

$$-\frac{x^3 - x - 1}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A052997
Score: 13.5257
Type of gen. func.: lgdogf

$$-\frac{x^4 - 8 x^2 + 2 x + 3}{(x - 1) (2 x - 1) (x + 1) (x^3 - x - 1)}$$

Sequence: A052997
Score: 5.08644
Type of gen. func.: ogf

{a(n + 4) - 2 a(n + 3) - a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 7,

a(3) = 14}

Sequence: A052997
Score: 5.83186
Type of gen. func.: ogf

$$-(8 f(x) + 27) (2 f(x) x^3 - f(x) x^2 + x^3 - 2 f(x) x + f(x) - x - 1)$$

Sequence: A053069

Score: 7.82424
Type of gen. func.: lgdogf

$$\frac{900 x^7 - 1980 x^6 + 1080 x^5 + 8 x^4 - 19 x^3 + 9 x^2 - 6 x + 10}{(x - 1) (180 x^7 - 180 x^6 + 4 x^4 - 3 x^3 + 6 x^2 - 6 x - 2)}$$

Sequence: A053069
Score: 9.05678
Type of gen. func.: ogf

$$- \frac{180 x^7 - 180 x^6 + 4 x^4 - 3 x^3 + 6 x^2 - 6 x - 2}{(x - 1)^2}$$

Sequence: A053088
Score: 21.1910
Type of gen. func.: ogf

$$- \frac{1}{(2 x - 1) (x + 1)^2}$$

Sequence: A053088
Score: 36.2533
Type of gen. func.: lgdogf

$$- \frac{6 x}{(x + 1) (2 x - 1)}$$

Sequence: A053088
Score: 7.51938
Type of gen. func.: ogf

$\{-a(n + 3) + 3 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 0, a(2) = 3\}$

Sequence: A053088
Score: 8.22708
Type of gen. func.: ogf

$$(313 f(x) + 416) (2 f(x) x^3 + 3 f(x) x^2 - f(x) + 1)$$

Sequence: A053090
Score: 16.5144
Type of gen. func.: lgdogf

$$- \frac{6 x (x^4 + x^2 + x + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A053090
Score: 28.7504
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + 2 x^2 + 3 x$$

Sequence: A053090
Score: 8.29392
Type of gen. func.: ogf

$$\frac{x^2 - x + 1}{(x^2 + x + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A053100
Score: 30.9733
Type of gen. func.: lgdegf]

$$-13 + (1 - 6 x) f(x)$$

Sequence: A053100
Score: 5.62672
Type of gen. func.: ogf

$$\{(-6 n - 19) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 13\}$$

Sequence: A053101
Score: 31.1426
Type of gen. func.: lgdegf]

$$-14 + (1 - 6 x) f(x)$$

Sequence: A053101
Score: 5.65681
Type of gen. func.: ogf

$$\{(-6 n - 20) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 14\}$$

Sequence: A053101
Score: 7.32766
Type of gen. func.: revegf]

$$\frac{(-1 + (1 + 8 x)^{(1/4)}) ((1 + 8 x)^{1/2} + (1 + 8 x)^{(1/4)} + 1)}{6 (1 + 8 x)^{3/4}}$$

Sequence: A053102
Score: 31.3118
Type of gen. func.: lgdegf]

$$-15 + (1 - 6 x) f(x)$$

Sequence: A053102
Score: 5.68690
Type of gen. func.: ogf

$$\{(-6 n - 21) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 15\}$$

Sequence: A053102
Score: 9.27758
Type of gen. func.: revegf]

$$\frac{(-1 + (1 + 9 x)^{(1/3)}) ((1 + 9 x)^{(1/3)} + 1)}{6 (1 + 9 x)^{2/3}}$$

Sequence: A053103
Score: 31.4811
Type of gen. func.: lgdegf]

$$-16 + (1 - 6 x) f(x)$$

Sequence: A053103
Score: 5.71700
Type of gen. func.: ogf

$$\{(-6 n - 22) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 16\}$$

Sequence: A053103
Score: 7.09433
Type of gen. func.: revegf]

$$\frac{((10 x + 1)^{(1/5)} - 1) ((10 x + 1)^{(2/5)} + (10 x + 1)^{(1/5)} + 1)}{6 (10 x + 1)^{3/5}}$$

Sequence: A053104
Score: 27.2153
Type of gen. func.: lgdegf]

$$-15 + (1 - 7 x) f(x)$$

Sequence: A053104
Score: 4.95557
Type of gen. func.: ogf

$$\{(-7 n - 22) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 15\}$$

Sequence: A053105
Score: 27.3802
Type of gen. func.: lgdegf]

$$-16 + (1 - 7 x) f(x)$$

Sequence: A053105
Score: 4.98489
Type of gen. func.: ogf

{(-7 n - 23) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 16}

Sequence: A053106
Score: 27.5452
Type of gen. func.: lgdegf]

-17 + (1 - 7 x) f(x)

Sequence: A053106
Score: 5.01421
Type of gen. func.: ogf

{(-7 n - 24) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 17}

Sequence: A053107
Score: 27.9268
Type of gen. func.: lgdogf

-64 + (1 - 8 x) f(x)

Sequence: A053107
Score: 4.31755
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (72 + 8 n) a(n + 1), a(0) = 1, a(1) = 64}

Sequence: A053108
Score: 29.2808
Type of gen. func.: lgdogf

-81 + (1 - 9 x) f(x)

Sequence: A053108
Score: 4.52193

Type of gen. func.: ogf

$$\{(-n - 2)\, a(n + 2) + (90 + 9 n)\, a(n + 1),\ a(0) = 1,\ a(1) = 81\}$$

Sequence: A053109
Score: 27.3814
Type of gen. func.: lgdogf

$$-100 + (1 - 10 x) f(x)$$

Sequence: A053109
Score: 4.62107
Type of gen. func.: ogf

$$\{(-n - 2)\, a(n + 2) + (110 + 10 n)\, a(n + 1),\ a(0) = 1,\ a(1) = 100\}$$

Sequence: A053110
Score: 13.6441
Type of gen. func.: revogf

$$\frac{-1 + (1 + 49 x)^{(1/7)}}{7 (1 + 49 x)^{1/7}}$$

Sequence: A053110
Score: 3.13497
Type of gen. func.: ogf

$$- \frac{16807 x^6 - 16807 x^5 + 7203 x^4 - 1715 x^3 + 245 x^2 - 21 x + 1}{(7 x - 1)^7}$$

Sequence: A053110
Score: 4.99821
Type of gen. func.: ogf

$$\{(7 n + 63)\, a(n + 1) + (-n - 3)\, a(n + 2),\ a(0) = 1,\ a(1) = 28\}$$

Sequence: A053111
Score: 12.7685
Type of gen. func.: revogf

$$\frac{-1 + (1 + 64 x)^{(1/8)}}{8 (1 + 64 x)^{1/8}}$$

Sequence: A053111
Score: 4.68202
Type of gen. func.: ogf

$$\{(8 n + 80) a(n + 1) + (-n - 3) a(n + 2), a(0) = 1, a(1) = 36\}$$

Sequence: A053112
Score: 13.5711
Type of gen. func.: revogf

$$\frac{-1 + (1 + 81 x)^{(1/9)}}{9 (1 + 81 x)^{1/9}}$$

Sequence: A053112
Score: 4.96974
Type of gen. func.: ogf

$$\{(9 n + 99) a(n + 1) + (-n - 3) a(n + 2), a(0) = 1, a(1) = 45\}$$

Sequence: A053113
Score: 12.5734
Type of gen. func.: revogf

$$\frac{-1 + (1 + 100 x)^{(1/10)}}{10 (1 + 100 x)^{1/10}}$$

Sequence: A053113
Score: 5.10875
Type of gen. func.: ogf

```
        {(10 n + 120) a(n + 1) + (-n - 3) a(n + 2), a(0) = 1, a(1) = 55}


------------------------------------------------------------------------------

Sequence:  A053114
Score: 27.7101
Type of gen. func.: lgdegf]

                              -17 + (1 - 8 x) f(x)


------------------------------------------------------------------------------

Sequence:  A053114
Score: 5.04353
Type of gen. func.: ogf

             {(-8 n - 25) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 17}


------------------------------------------------------------------------------

Sequence:  A053115
Score: 27.7101
Type of gen. func.: lgdegf]

                              -18 + (1 - 8 x) f(x)


------------------------------------------------------------------------------

Sequence:  A053115
Score: 5.04353
Type of gen. func.: ogf

             {(-8 n - 26) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 18}


------------------------------------------------------------------------------

Sequence:  A053115
Score: 5.91149
Type of gen. func.: revegf]

                  (1/5)                 (1/5)                 (2/5)
       ((10 x + 1)      - 1) ((10 x + 1)      + 1) ((10 x + 1)      + 1)
       -----------------------------------------------------------------
                                            4/5
                                8 (10 x + 1)


------------------------------------------------------------------------------

Sequence:  A053116
Score: 28.6998
Type of gen. func.: lgdegf]
```

$$-19 + (1 - 9 x) f(x)$$

Sequence: A053116
Score: 5.21948
Type of gen. func.: ogf

$$\{(-9 n - 28) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 19\}$$

Sequence: A053126
Score: 18.5170
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 42 x + 35}{(x - 1) (x^2 + 10 x + 5)}$$

Sequence: A053126
Score: 8.27445
Type of gen. func.: ogf

$$-\frac{x^2 + 10 x + 5}{(x - 1)^5}$$

Sequence: A053127
Score: 17.8333
Type of gen. func.: lgdogf

$$-\frac{4 (3 x^2 + 14 x + 7)}{(x - 1) (x + 3) (3 x + 1)}$$

Sequence: A053127
Score: 7.56672
Type of gen. func.: ogf

$$\frac{2 (x + 3) (3 x + 1)}{(x - 1)^6}$$

Sequence: A053128
Score: 15.8384
Type of gen. func.: lgdogf

$$-\frac{4\,(x^3 + 27\,x^2 + 63\,x + 21)}{(x - 1)\,(x^3 + 21\,x^2 + 35\,x + 7)}$$

Sequence: A053128
Score: 6.36950
Type of gen. func.: ogf

$\{(-2\,n^2 - 21\,n - 55)\,a(n + 1) + (2\,n^2 + 9\,n + 10)\,a(n + 2), a(0) = 7, a(1) = 84$

$\}$

Sequence: A053128
Score: 7.38148
Type of gen. func.: ogf

$$-\frac{x^3 + 21\,x^2 + 35\,x + 7}{(x - 1)^7}$$

Sequence: A053129
Score: 14.4456
Type of gen. func.: lgdogf

$$-\frac{5\,x^3 + 45\,x^2 + 63\,x + 15}{(x - 1)\,(x + 1)\,(x^2 + 6\,x + 1)}$$

Sequence: A053129
Score: 5.53701
Type of gen. func.: ogf

$\{(2\,n^2 + 23\,n + 66)\,a(n + 1) + (-2\,n^2 - 9\,n - 10)\,a(n + 2), a(0) = 8,$

$a(1) = 120\}$

Sequence: A053129
Score: 5.96660
Type of gen. func.: ogf

$$\frac{8 (x + 1) (x^2 + 6 x + 1)}{(x - 1)^8}$$

Sequence: A053130
Score: 4.47711
Type of gen. func.: ogf

$$-\frac{(x + 3) (x^3 + 33 x^2 + 27 x + 3)}{(x - 1)^9}$$

Sequence: A053130
Score: 4.90691
Type of gen. func.: ogf

$$\{(2 n^2 + 25 n + 78) a(n + 1) + (-2 n^2 - 9 n - 10) a(n + 2), a(0) = 9,$$
$$a(1) = 165\}$$

Sequence: A053130
Score: 9.10078
Type of gen. func.: lgdogf

$$-\frac{5 x^4 + 220 x^3 + 990 x^2 + 924 x + 165}{(x + 3) (x - 1) (x^3 + 33 x^2 + 27 x + 3)}$$

Sequence: A053131
Score: 3.93946
Type of gen. func.: ogf

$$\frac{2\,(x^2 + 10\,x + 5)\,(5\,x^2 + 10\,x + 1)}{(x - 1)^{10}}$$

Sequence: A053131
Score: 4.87743
Type of gen. func.: ogf

$$\{(2\,n^2 + 27\,n + 91)\,a(n + 1) + (-2\,n^2 - 9\,n - 10)\,a(n + 2),\ a(0) = 10,\ a(1) = 220\}$$

Sequence: A053131
Score: 8.60020
Type of gen. func.: lgdogf

$$-\frac{2\,(15\,x^4 + 220\,x^3 + 594\,x^2 + 396\,x + 55)}{(x - 1)\,(x^2 + 10\,x + 5)\,(5\,x^2 + 10\,x + 1)}$$

Sequence: A053132
Score: 18.2837
Type of gen. func.: lgdogf

$$-\frac{4\,(3\,x^2 + 14\,x + 7)}{(x - 1)\,(x + 3)\,(3\,x + 1)}$$

Sequence: A053132
Score: 7.75542
Type of gen. func.: ogf

$$\frac{(x + 3)\,(3\,x + 1)}{(x - 1)^6}$$

Sequence: A053133
Score: 4.16074
Type of gen. func.: ogf

$$\frac{(x^2 + 10 x + 5) (5 x^2 + 10 x + 1)}{(x - 1)^{10}}$$

Sequence: A053133
Score: 5.05946
Type of gen. func.: ogf

$\{(2 n^2 + 27 n + 91) a(n + 1) + (-2 n^2 - 9 n - 10) a(n + 2), a(0) = 5,$

$a(1) = 110\}$

Sequence: A053133
Score: 8.85314
Type of gen. func.: lgdogf

$$- \frac{2 (15 x^4 + 220 x^3 + 594 x^2 + 396 x + 55)}{(x - 1) (x^2 + 10 x + 5) (5 x^2 + 10 x + 1)}$$

Sequence: A053134
Score: 10.2460
Type of gen. func.: ogf

$$- \frac{5 x^2 + 10 x + 1}{(x - 1)^5}$$

Sequence: A053134
Score: 21.7631
Type of gen. func.: lgdogf

$$- \frac{5 (x + 3) (3 x + 1)}{(x - 1) (5 x^2 + 10 x + 1)}$$

Sequence: A053134
Score: 4.03783

Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (12 + 9 n) a(n + 3) + (-60 - 5 n) a(n + 2) + (-20 - 5 n) a(n + 1), a(0) = 1, a(1) = 15, a(2) = 70, a(3) = 210\}$$

Sequence: A053135
Score: 15.4880
Type of gen. func.: lgdogf

$$- \frac{28 (x + 1) (x^2 + 6 x + 1)}{(x - 1) (7 x^3 + 35 x^2 + 21 x + 1)}$$

Sequence: A053135
Score: 6.28169
Type of gen. func.: ogf

$$\{(2 n^2 + 19 n + 45) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2), a(0) = 1, a(1) = 28\}$$

Sequence: A053135
Score: 7.22101
Type of gen. func.: ogf

$$- \frac{7 x^3 + 35 x^2 + 21 x + 1}{(x - 1)^7}$$

Sequence: A053136
Score: 10.9681
Type of gen. func.: lgdogf

$$- \frac{4 (x + 3) (x^3 + 33 x^2 + 27 x + 3)}{(x - 1) (x^4 + 28 x^3 + 70 x^2 + 28 x + 1)}$$

Sequence: A053136
Score: 5.45791
Type of gen. func.: ogf

$$\frac{x^4 + 28 x^3 + 70 x^2 + 28 x + 1}{(x - 1)^8}$$

Sequence: A053136
Score: 5.54666
Type of gen. func.: ogf

$$\{(2 n^2 + 21 n + 55) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2), a(0) = 1, a(1) = 36\}$$

Sequence: A053137
Score: 11.6122
Type of gen. func.: lgdogf

$$- \frac{9 (x^2 + 10 x + 5) (5 x^2 + 10 x + 1)}{(x - 1) (3 x + 1) (3 x^3 + 27 x^2 + 33 x + 1)}$$

Sequence: A053137
Score: 5.69150
Type of gen. func.: ogf

$$- \frac{(3 x + 1) (3 x^3 + 27 x^2 + 33 x + 1)}{(x - 1)^9}$$

Sequence: A053137
Score: 6.33931
Type of gen. func.: ogf

$$\{(2 n^2 + 23 n + 66) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2), a(0) = 1, a(1) = 45\}$$

Sequence: A053138
Score: 4.78100
Type of gen. func.: ogf

$$\frac{(x+1)(x^4+44x^3+166x^2+44x+1)}{(x-1)^{10}}$$

Sequence: A053138
Score: 6.29693
Type of gen. func.: ogf

$$\{(2n^2+25n+78)a(n+1)+(-2n^2-7n-6)a(n+2), a(0)=1, a(1)=55\}$$

Sequence: A053138
Score: 7.78622
Type of gen. func.: lgdogf

$$-\frac{5(x^5+55x^4+330x^3+462x^2+165x+11)}{(x-1)(x+1)(x^4+44x^3+166x^2+44x+1)}$$

Sequence: A053141
Score: 12.6517
Type of gen. func.: ogf

$$-\frac{2x}{(x-1)(x^2-6x+1)}$$

Sequence: A053141
Score: 16.9755
Type of gen. func.: lgdogf

$$-\frac{3x^2-14x+7}{(x-1)(x^2-6x+1)}$$

Sequence: A053141
Score: 5.08326
Type of gen. func.: ogf

$$\{a(n+3) - 7\,a(n+2) + 7\,a(n+1) - a(n),\ a(0) = 0,\ a(1) = 2,\ a(2) = 14\}$$

Sequence: A053141
Score: 7.39384
Type of gen. func.: ogf

$$f(x)\,x^3 - 7\,f(x)\,x^2 + 7\,f(x)\,x - f(x) + 2\,x$$

Sequence: A053142
Score: 13.4404
Type of gen. func.: ogf

$$-\frac{x}{(x-1)\,(x^2 - 6\,x + 1)}$$

Sequence: A053142
Score: 16.4220
Type of gen. func.: lgdogf

$$-\frac{3\,x^2 - 14\,x + 7}{(x-1)\,(x^2 - 6\,x + 1)}$$

Sequence: A053142
Score: 4.96449
Type of gen. func.: ogf

$$\{a(n+3) - 7\,a(n+2) + 7\,a(n+1) - a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 7\}$$

Sequence: A053142
Score: 7.1566
Type of gen. func.: ogf

$$f(x)\,x^3 - 7\,f(x)\,x^2 + 7\,f(x)\,x - f(x) + x$$

Sequence: A053152

```
Score: 11.6699
Type of gen. func.: lgdogf


                                3       2
                            36 x  - 69 x  + 44 x - 9
                    - -------------------------------------
                      (x - 1) (3 x - 1) (2 x - 1) (3 x - 2)



------------------------------------------------------------------------------

Sequence:  A053152
Score: 13.1564
Type of gen. func.: ogf


                                  x (3 x - 2)
                          ---------------------------
                          (2 x - 1) (3 x - 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A053152
Score: 6.81316
Type of gen. func.: ogf


 {-a(n + 3) + 6 a(n + 2) - 11 a(n + 1) + 6 a(n), a(0) = 0, a(1) = 2, a(2) = 9}



------------------------------------------------------------------------------

Sequence:  A053152
Score: 6.87455
Type of gen. func.: ogf


                             3            2                 2
    (83 f(x) - 765) (6 f(x) x  - 11 f(x) x  + 6 f(x) x - 3 x  - f(x) + 2 x)



------------------------------------------------------------------------------

Sequence:  A053153
Score: 4.77831
Type of gen. func.: ogf


                         2       3        2
                        x  (280 x  - 335 x  + 116 x - 13)
          - ---------------------------------------------------------
            (x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (7 x - 1) (5 x - 1)



------------------------------------------------------------------------------

Sequence:  A053154
Score: 4.41772
Type of gen. func.: ogf


-(5 f(x) + 1)

              4            3            2      3                  2
```

$$(24 f(x) x - 50 f(x) x + 35 f(x) x - 7 x - 10 f(x) x + 5 x + f(x) - x)$$

Sequence: A053154
Score: 7.48004
Type of gen. func.: lgdogf

$$-\frac{(6 x^{2} - 4 x + 1) (56 x^{3} - 81 x^{2} + 36 x - 5)}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1) (7 x^{2} - 5 x + 1)}$$

Sequence: A053154
Score: 8.08958
Type of gen. func.: ogf

$$\frac{x (7 x^{2} - 5 x + 1)}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A053155
Score: 4.14616
Type of gen. func.: ogf

$$\frac{x (1224 x^{5} - 1562 x^{4} + 787 x^{3} - 190 x^{2} + 22 x - 1)}{(x - 1) (6 x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (8 x - 1) (5 x - 1)}$$

Sequence: A053156
Score: 10.6151
Type of gen. func.: ogf

$$-\frac{3 x^{2} - 3 x + 1}{(2 x - 1) (3 x - 1) (x - 1)}$$

Sequence: A053156
Score: 5.77312
Type of gen. func.: ogf

$$(83 f(x) - 39) (6 f(x) x^{3} - 11 f(x) x^{2} + 6 f(x) x + 3 x^{2} - f(x) - 3 x + 1)$$

Sequence: A053156
Score: 5.77312
Type of gen. func.: ogf

$$\{a(n+3) - 6\,a(n+2) + 11\,a(n+1) - 6\,a(n),\ a(0) = 1,\ a(1) = 3,\ a(2) = 10\}$$

Sequence: A053156
Score: 9.62841
Type of gen. func.: lgdogf

$$-\frac{18\,x^4 - 36\,x^3 + 33\,x^2 - 16\,x + 3}{(x - 1)\,(3\,x - 1)\,(2\,x - 1)\,(3\,x^2 - 3\,x + 1)}$$

Sequence: A053157
Score: 4.45929
Type of gen. func.: ogf

$$-\frac{280\,x^5 - 475\,x^4 + 339\,x^3 - 112\,x^2 + 17\,x - 1}{(x - 1)\,(4\,x - 1)\,(3\,x - 1)\,(2\,x - 1)\,(7\,x - 1)\,(5\,x - 1)}$$

Sequence: A053208
Score: 13.4660
Type of gen. func.: ogf

$$\frac{x\,(x + 3)}{(2\,x - 1)\,(x - 1)}$$

Sequence: A053208
Score: 15.8446
Type of gen. func.: revogf

$$-\frac{-3 - 3\,x + (x^2 + 22\,x + 9)^{1/2}}{2\,(2\,x - 1)}$$

Sequence: A053208
Score: 18.0453
Type of gen. func.: lgdogf

$$-\frac{2(x^2+6x-5)}{(x-1)(x+3)(2x-1)}$$

Sequence: A053208
Score: 6.46895
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 2 a(n + 1), a(0) = 0, a(1) = 3, a(2) = 10}

Sequence: A053208
Score: 7.76273
Type of gen. func.: ogf

$$-f(x)(2f(x)x^2-3f(x)x-x^2+f(x)-3x)$$

Sequence: A053209
Score: 12.7064
Type of gen. func.: ogf

$$\frac{(x+1)^2}{(2x-1)(x-1)}$$

Sequence: A053209
Score: 21.9944
Type of gen. func.: lgdogf

$$-\frac{-5+7x}{(x-1)(2x-1)(x+1)}$$

Sequence: A053209
Score: 6.53823
Type of gen. func.: ogf

{-a(n + 3) + 3 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 5, a(2) = 14}

Sequence: A053209
Score: 7.08881
Type of gen. func.: ogf

$$(12 + 13 f(x)) (2 f(x) x^2 - 3 f(x) x - x^2 + f(x) - 2 x - 1)$$

Sequence: A053220
Score: 17.4752
Type of gen. func.: ogf

$$\frac{x + 1}{(2 x - 1)^2}$$

Sequence: A053220
Score: 20.8824
Type of gen. func.: revogf

$$- \frac{-1 - 4 x + (1 + 12 x)^{1/2}}{2 (4 x - 1)}$$

Sequence: A053220
Score: 33.5934
Type of gen. func.: lgdogf

$$- \frac{5 + 2 x}{(x + 1) (2 x - 1)}$$

Sequence: A053220
Score: 9.03889
Type of gen. func.: ogf

$$(12 f(x) + 13) (4 f(x) x^2 - 4 f(x) x + f(x) - x - 1)$$

Sequence: A053220
Score: 9.59005

Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A053221
Score: 14.5672
Type of gen. func.: lgdogf

$$- \frac{4 x^3 + 6 x^2 - 13 x + 5}{(x - 1) (2 x - 1) (x^2 + x - 1)}$$

Sequence: A053221
Score: 5.13956
Type of gen. func.: ogf

$$(2 f(x) + 175)$$

$$(4 f(x) x^4 - 12 f(x) x^3 + 13 f(x) x^2 - 6 f(x) x + x^2 + f(x) + x - 1)$$

Sequence: A053221
Score: 9.62763
Type of gen. func.: ogf

$$- \frac{x^2 + x - 1}{(2 x - 1)^2 (x - 1)^2}$$

Sequence: A053295
Score: 18.8108
Type of gen. func.: lgdogf

$$- \frac{8 x^2 + 5 x - 7}{(x - 1) (x^2 + x - 1)}$$

Sequence: A053295
Score: 7.10076
Type of gen. func.: ogf

$$-\frac{1}{(x^2+x-1)(x-1)^6}$$

Sequence: A053296
Score: 19.3684
Type of gen. func.: lgdogf

$$-\frac{(4+3x)(3x-2)}{(x-1)(x^2+x-1)}$$

Sequence: A053296
Score: 4.84159
Type of gen. func.: ogf

{(-n - 4) a(n + 4) + (14 + 2 n) a(n + 3) - 6 a(n + 2) + (-10 - n) a(n + 1),

a(0) = 1, a(1) = 8, a(2) = 37, a(3) = 129}

Sequence: A053296
Score: 9.52867
Type of gen. func.: ogf

$$\frac{1}{(x^2+x-1)(x-1)^7}$$

Sequence: A053297
Score: 12.1622
Type of gen. func.: lgdogf

$$-\frac{8x^3-18x^2+16x-5}{(x-1)(2x-1)(2x^2-4x+1)}$$

Sequence: A053297
Score: 4.88746
Type of gen. func.: ogf

$(6 f(x) + 11)$

$$(4 f(x) x^4 - 16 f(x) x^3 + 20 f(x) x^2 - 8 f(x) x - 2 x^2 + f(x) + 3 x - 1)$$

Sequence: A053297
Score: 9.08654
Type of gen. func.: ogf

$$\frac{(2 x - 1) (x - 1)}{(2 x^2 - 4 x + 1)^2}$$

Sequence: A053298
Score: 14.1114
Type of gen. func.: lgdogf

$$- \frac{12 x^3 + 15 x^2 - 4 x - 8}{(x - 1) (2 x + 1) (x^2 + x - 1)}$$

Sequence: A053298
Score: 7.77976
Type of gen. func.: ogf

$$\frac{2 x + 1}{(x^2 + x - 1) (x - 1)^5}$$

Sequence: A053307
Score: 19.1875
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 3 x^2 + 6 x + 1}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A053307
Score: 24.7661
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^2 + 3 x + 1$$

Sequence: A053307
Score: 9.66499
Type of gen. func.: ogf

$$\frac{x^2 - x + 1}{(x + 1)^2 (x - 1)^4}$$

Sequence: A053308
Score: 19.9932
Type of gen. func.: lgdogf

$$-\frac{10 x^2 + 7 x - 9}{(x - 1) (x^2 + x - 1)}$$

Sequence: A053308
Score: 3.53033
Type of gen. func.: ogf

{(-n - 4) a(n + 4) + (15 + 2 n) a(n + 3) - 7 a(n + 2) + (-11 - n) a(n + 1),

a(0) = 1, a(1) = 9, a(2) = 46, a(3) = 175}

Sequence: A053308
Score: 6.22010
Type of gen. func.: ogf

$$-\frac{1}{(x^2 + x - 1) (x - 1)^8}$$

Sequence: A053309
Score: 19.1758
Type of gen. func.: lgdogf

$$-\frac{11 x^{2} + 8 x - 10}{(x - 1) (x^{2} + x - 1)}$$

Sequence: A053309
Score: 3.47304
Type of gen. func.: ogf

$\{(-n - 4) a(n + 4) + (16 + 2 n) a(n + 3) - 8 a(n + 2) + (-12 - n) a(n + 1),$

$a(0) = 1, a(1) = 10, a(2) = 56, a(3) = 231\}$

Sequence: A053309
Score: 5.47445
Type of gen. func.: ogf

$$\frac{1}{(x^{2} + x - 1) (x - 1)^{9}}$$

Sequence: A053310
Score: 27.4906
Type of gen. func.: lgdogf

$$-\frac{6 (3 x + 2)}{(2 x + 1) (x - 1)}$$

Sequence: A053310
Score: 4.37081
Type of gen. func.: ogf

$\{(-n - 3) a(n + 3) + (10 - n) a(n + 2) + (20 + 2 n) a(n + 1), a(0) = 1,$

$a(1) = 12, a(2) = 75\}$

Sequence: A053310
Score: 5.42826
Type of gen. func.: ogf

$$\frac{2 x + 1}{{}^{10}}$$

$$(x - 1)$$

Sequence: A053311
Score: 14.5299
Type of gen. func.: ogf

$$\frac{3x + 1}{(x - 1)(x^2 + x - 1)}$$

Sequence: A053311
Score: 15.6064
Type of gen. func.: lgdogf

$$-\frac{6x^3 + 3x^2 - 5}{(x - 1)(3x + 1)(x^2 + x - 1)}$$

Sequence: A053311
Score: 6.88260
Type of gen. func.: ogf

$$\{a(n + 3) - 2a(n + 2) + a(n), a(0) = 1, a(1) = 5, a(2) = 10\}$$

Sequence: A053311
Score: 7.43008
Type of gen. func.: ogf

$$(107 f(x) + 43)(f(x) x^3 - 2 f(x) x + f(x) - 3x - 1)$$

Sequence: A053347
Score: 29.6935
Type of gen. func.: lgdogf

$$-\frac{2(4x + 5)}{(x - 1)(x + 1)}$$

```
Sequence:  A053347
Score: 29.9898
Type of gen. func.: ogf_with_Euler_transform]


                                       [10 - x]



--------------------------------------------------------------------------------

Sequence:  A053347
Score: 4.86661
Type of gen. func.: ogf


{(-n - 3) a(n + 3) + 10 a(n + 2) + (9 + n) a(n + 1), a(0) = 1, a(1) = 10,

    a(2) = 54}



--------------------------------------------------------------------------------

Sequence:  A053347
Score: 6.11674
Type of gen. func.: ogf


                                         x + 1
                                      - --------
                                               9
                                        (x - 1)



--------------------------------------------------------------------------------

Sequence:  A053367
Score: 20.1276
Type of gen. func.: lgdogf


                                       11 + 16 x
                                 - -----------------
                                   (2 x + 1) (x - 1)



--------------------------------------------------------------------------------

Sequence:  A053367
Score: 5.76203
Type of gen. func.: ogf


{(-n - 3) a(n + 3) + (9 - n) a(n + 2) + (18 + 2 n) a(n + 1), a(0) = 1,

    a(1) = 11, a(2) = 63}



--------------------------------------------------------------------------------

Sequence:  A053367
Score: 8.08798
Type of gen. func.: ogf


                                        2 x + 1
                                      - --------
```

$$(x - 1)^9$$

Sequence: A053368
Score: 10.1689
Type of gen. func.: ogf

$$-4 f(x)^2 x^2 + f(x)^2 x - 12 f(x) x + 3 f(x) - x - 6$$

Sequence: A053368
Score: 11.3082
Type of gen. func.: revogf

$$-3 - 6 x - 2 x^2 + ((x^2 + 3 x + 1) (3 + 2 x)^2)^{1/2}$$

Sequence: A053368
Score: 4.63249
Type of gen. func.: ogf

$$\{(-4 n^2 - 14 n - 12) a(n + 1) + (-3 n^2 - 22 n - 39) a(n + 2)$$

$$+ (n^2 + 7 n + 12) a(n + 3), a(0) = 2, a(1) = 7, a(2) = 24\}$$

Sequence: A053369
Score: 10.1655
Type of gen. func.: ogf

$$4 f(x)^2 x^2 - f(x)^2 x + 20 f(x) x - 5 f(x) + 9 x + 10$$

Sequence: A053369
Score: 4.66152
Type of gen. func.: ogf

$$\{(-12 n^2 - 42 n - 36) a(n + 1) + (-n^2 - 14 n - 33) a(n + 2)$$

$$+ (n^2 + 7 n + 12) a(n + 3), a(0) = 2, a(1) = 9, a(2) = 32\}$$

Sequence: A053369
Score: 9.13356
Type of gen. func.: revogf

$$-\frac{5}{9} - \frac{10\,x}{9} - \frac{2\,x^2}{9} + \frac{((x^2 + 5\,x + 1)\,(5 + 2\,x)^2)^{1/2}}{9}$$

Sequence: A053387
Score: 4.96423
Type of gen. func.: ogf

$$-\frac{x\,(57\,x^{48} - 18\,x^{40} + 7\,x^{32} - 10\,x^{24} - 23\,x^{16} - x^8 - 3)}{(x - 1)\,(x + 1)\,(13\,x^{48} - x^{32} - 8\,x^{16} - 1)}$$

Sequence: A053404
Score: 18.3205
Type of gen. func.: revogf

$$\frac{-1 - x + (49\,x^2 + 2\,x + 1)^{1/2}}{24\,x}$$

Sequence: A053404
Score: 18.6944
Type of gen. func.: ogf

$$-\frac{1}{(3\,x + 1)\,(4\,x - 1)}$$

Sequence: A053404
Score: 24.9159
Type of gen. func.: lgdogf

$$-\frac{1 + 24\,x}{(3\,x + 1)\,(4\,x - 1)}$$

Sequence: A053404
Score: 7.39082
Type of gen. func.: ogf

$$(181 f(x) - 180) (12 f(x) x^2 + f(x) x - f(x) + 1)$$

Sequence: A053404
Score: 7.65795
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 12 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A053410
Score: 11.5013
Type of gen. func.: ogf

$$- \frac{16 x}{(x - 1) (x + 1) (x^2 - 10 x + 1)}$$

Sequence: A053410
Score: 12.3498
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^3 - 15 x^2 + 5)}{(x - 1) (x + 1) (x^2 - 10 x + 1)}$$

Sequence: A053410
Score: 5.11168
Type of gen. func.: ogf

$$-(495 f(x) - 8) (f(x) x^4 - 10 f(x) x^3 + 10 f(x) x - f(x) + 16 x)$$

Sequence: A053422
Score: 11.3479
Type of gen. func.: ogf

$$x (10 x^2 - 1)$$

$$- \frac{}{(10 x - 1)^2 (x - 1)^2}$$

Sequence: A053422
Score: 17.4282
Type of gen. func.: lgdogf

$$- \frac{2 (100 x^3 - 30 x + 11)}{(x - 1) (10 x - 1) (10 x^2 - 1)}$$

Sequence: A053422
Score: 4.60222
Type of gen. func.: ogf

$$\{(10 n^2 + 50 n + 60) a(n + 1) + (-11 n^2 - 44 n - 33) a(n + 2) + (n^2 + 3 n + 2) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 22\}$$

Sequence: A053422
Score: 5.45
Type of gen. func.: ogf

$$-(874856862 f(x) - 38518621) (100 f(x) x^4 - 220 f(x) x^3 + 141 f(x) x^2 + 10 x^3 - 22 f(x) x + f(x) - x)$$

Sequence: A053428
Score: 17.1825
Type of gen. func.: revogf

$$\frac{-1 - x + (81 x^2 + 2 x + 1)^{1/2}}{40 x}$$

Sequence: A053428
Score: 17.5462
Type of gen. func.: ogf

$$-\frac{1}{(1 + 4 x) (5 x - 1)}$$

Sequence: A053428
Score: 23.3683
Type of gen. func.: lgdogf

$$-\frac{1 + 40 x}{(1 + 4 x) (5 x - 1)}$$

Sequence: A053428
Score: 6.93687
Type of gen. func.: ogf

$$(461 f(x) - 460) (20 f(x) x^2 + f(x) x - f(x) + 1)$$

Sequence: A053428
Score: 7.18760
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 20 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A053430
Score: 16.4404
Type of gen. func.: revogf

$$\frac{-1 - x + (121 x^2 + 2 x + 1)^{1/2}}{60 x}$$

Sequence: A053430
Score: 17.2821
Type of gen. func.: ogf

$$-\frac{1}{(5 x + 1) (6 x - 1)}$$

Sequence: A053430
Score: 23.0166
Type of gen. func.: lgdogf

$$-\frac{1 + 60 x}{(5 x + 1) (6 x - 1)}$$

Sequence: A053430
Score: 6.83247
Type of gen. func.: ogf

$$(991 f(x) - 990) (30 f(x) x^2 + f(x) x - f(x) + 1)$$

Sequence: A053430
Score: 7.07942
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 30 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A053436
Score: 6.29053
Type of gen. func.: ogf

$$-\frac{x^6 - x^5 - 4 x^4 + 2 x^3 + 4 x^2 - x - 2}{(x + 1)^3 (x - 1)^4}$$

Sequence: A053436
Score: 9.28516
Type of gen. func.: lgdogf

$$-\frac{x^7 - x^6 - 7 x^5 - x^4 + 6 x^3 + 4 x^2 - 7 x - 3}{(x - 1) (x + 1) (x^6 - x^5 - 4 x^4 + 2 x^3 + 4 x^2 - x - 2)}$$

Sequence: A053438
Score: 13.1933
Type of gen. func.: ogf

$$\frac{2x^3 + x + 1}{(x + 1)(x - 1)^2}$$

Sequence: A053438
Score: 17.9155
Type of gen. func.: lgdogf

$$-\frac{2(x^3 + 4x^2 + 2x + 1)}{(x - 1)(x + 1)(2x^3 + x + 1)}$$

Sequence: A053438
Score: 6.09689
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3) - a(n + 2) + a(n + 1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 6\}$$

Sequence: A053438
Score: 6.87856
Type of gen. func.: ogf

$$-(32 f(x) + 61)(f(x) x^3 - f(x) x^2 - 2x^3 - f(x) x + f(x) - x - 1)$$

Sequence: A053439
Score: 15.0196
Type of gen. func.: lgdogf

$$-\frac{2(2x^4 + x^3 + 5x^2 + 3x + 1)}{(x - 1)(x + 1)(2x^3 + x + 1)}$$

Sequence: A053439
Score: 9.95723
Type of gen. func.: ogf

3

$$-\frac{2 x + x + 1}{(x + 1)^{2} (x - 1)^{3}}$$

Sequence: A053441
Score: 11.5096
Type of gen. func.: lgdogf

$$-\frac{2 x (x - 1) (x^{2} + x + 1) (3 x^{4} + 6 x + 4)}{(x + 1) (x^{2} - x - 1) (2 x^{3} + 1) (x^{3} + 2 x - 1)}$$

Sequence: A053441
Score: 13.7586
Type of gen. func.: ogf

$$\frac{2 x^{3} + 1}{(x + 1) (x^{2} - x - 1) (x^{3} + 2 x - 1)}$$

Sequence: A053455
Score: 10.1930
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 48 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A053455
Score: 13.9305
Type of gen. func.: ogf

$$-48 f(x) x^{2} - 2 f(x) x + f(x) - x$$

Sequence: A053455
Score: 16.4569
Type of gen. func.: revogf

$$\frac{-1 - 2 x + (196 x^{2} + 4 x + 1)^{1/2}}{96 x}$$

Sequence: A053455
Score: 21.7466
Type of gen. func.: lgdogf

$$-\frac{2(1+48x)}{(6x+1)(8x-1)}$$

Sequence: A053455
Score: 21.9954
Type of gen. func.: ogf

$$-\frac{x}{(6x+1)(8x-1)}$$

Sequence: A053464
Score: 16.1795
Type of gen. func.: ogf

$$\frac{x}{(5x-1)^2}$$

Sequence: A053464
Score: 23.2145
Type of gen. func.: revogf

$$\frac{4x}{(1+(1+20x)^{1/2})^2}$$

Sequence: A053464
Score: 50.6497
Type of gen. func.: lgdogf

$$-\frac{10}{5x-1}$$

Sequence: A053464
Score: 6.82266
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 25 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A053464
Score: 9.2833
Type of gen. func.: ogf

$$-25 f(x) x^2 + 10 f(x) x - f(x) + x$$

Sequence: A053469
Score: 17.2041
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1)^2}$$

Sequence: A053469
Score: 24.5900
Type of gen. func.: revogf

$$\frac{4 x}{(1 + (1 + 24 x)^{1/2})^2}$$

Sequence: A053469
Score: 53.6508
Type of gen. func.: lgdogf

$$-\frac{12}{6 x - 1}$$

Sequence: A053469
Score: 7.08402
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 36 a(n), a(0) = 1, a(1) = 12\}$$

Sequence: A053469
Score: 8.75795
Type of gen. func.: ogf

$$(5 f(x) + 11) (36 f(x) x^2 - 12 f(x) x + f(x) - 1)$$

Sequence: A053481
Score: 11.8564
Type of gen. func.: lgdegf]

$$-\frac{8 x^3 + 6 x^2 - 23 x + 11}{(x - 1) (2 x - 1) (2 x^2 + x - 2)}$$

Sequence: A053481
Score: 4.17272
Type of gen. func.: egf]

$$-(4066 f(x) - 90863)$$

$$(4 f(x) x^4 - 12 f(x) x^3 + 13 f(x) x^2 - 6 f(x) x + 2 x^2 + f(x) + x - 2)$$

Sequence: A053481
Score: 8.34544
Type of gen. func.: egf]

$$-\frac{2 x^2 + x - 2}{(2 x - 1)^2 (x - 1)^2}$$

Sequence: A053482
Score: 10.7117
Type of gen. func.: lgdegf]

$$52 - 91 x + 26 x^2 + (-20 x^2 + 18 x - 1) f(x) + (-6 x^2 + 9 x - 3) f(x)^2$$

Sequence: A053482
Score: 3.10321
Type of gen. func.: ogf

$$\{(2 n^2 + 10 n + 12) a(n + 1) + (-2 n^2 - 17 n - 33) a(n + 2) + (3 n + 13) a(n + 3) - a(n + 4), a(0) = 1, a(1) = 4, a(2) = 21, a(3) = 142\}$$

Sequence: A053486
Score: 37.7879
Type of gen. func.: lgdegf]

$$-4 + 3 x + (1 - x) f(x)$$

Sequence: A053486
Score: 4.84868
Type of gen. func.: ogf

$$\{(-3 n - 6) a(n + 1) + (n + 6) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 4, a(2) = 17\}$$

Sequence: A053487
Score: 39.3997
Type of gen. func.: lgdegf]

$$-5 + 4 x + (1 - x) f(x)$$

Sequence: A053487
Score: 5.05164
Type of gen. func.: ogf

$$\{(-4 n - 8) a(n + 1) + (n + 7) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 5, a(2) = 26\}$$

Sequence: A053489
Score: 10.1822
Type of gen. func.: lgdegf]

$$-n^2 a(n) + (3 n^2 + 6 n + 3) a(n + 1) + (-2 n^2 - 6 n - 4) a(n + 2), a(0) = 0,$$
$$a(1) = 4$$

Sequence: A053490
Score: 9.63341
Type of gen. func.: lgdegf]

$$n^2 a(n) + (-3 n^2 - 6 n - 3) a(n + 1) + (2 n^2 + 6 n + 4) a(n + 2), a(0) = 0,$$
$$a(1) = 6$$

Sequence: A053491
Score: 9.47903
Type of gen. func.: lgdegf]

$$2 n^2 a(n) + (-3 n^2 - 6 n - 3) a(n + 1) + (n^2 + 3 n + 2) a(n + 2), a(0) = 0,$$
$$a(1) = 4$$

Sequence: A053493
Score: 3.89661
Type of gen. func.: ogf

$$\{(n^3 + 15 n^2 + 77 n + 135) a(n + 1) + (6 n^2 + 48 n + 102) a(n + 2)$$
$$+ (-n^3 - 9 n^2 - 29 n - 33) a(n + 3), a(0) = 1, a(1) = 10, a(2) = 56\}$$

Sequence: A053493
Score: 6.87033
Type of gen. func.: ogf

$$-\frac{x^4 + 4 x^3 + 10 x^2 + 4 x + 1}{(x + 1) (x - 1)^7}$$

Sequence: A053493
Score: 8.75242
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^{5}+13\,x^{4}+44\,x^{3}+50\,x^{2}+26\,x+5)}{(x-1)\,(x+1)\,(x^{4}+4\,x^{3}+10\,x^{2}+4\,x+1)}$$

Sequence: A053496
Score: 15.6139
Type of gen. func.: lgdegf]

$$1+x+x^{2}+x^{5}+(-2\,x^{5}-2\,x^{2}-2\,x-3)\,f(x)+2\,f(x)^{2}$$

Sequence: A053497
Score: 12.7626
Type of gen. func.: lgdegf]

$$a(n+7),\ a(0)=1,\ a(1)=0,\ a(2)=0,\ a(3)=0,\ a(4)=0,\ a(5)=0,\ a(6)=1$$

Sequence: A053498
Score: 5.77598
Type of gen. func.: lgdegf]

$$(4\,n^{2}-32\,n+48)\,a(n+1)+(6\,n^{2}-12\,n-48)\,a(n+3)$$
$$+(7\,n^{2}+7\,n-84)\,a(n+4),\ a(0)=1,\ a(1)=1,\ a(2)=0,\ a(3)=1,$$
$$a(4)=0,\ a(5)=0,\ a(6)=0,\ a(7)=1$$

Sequence: A053499
Score: 11.0239
Type of gen. func.: lgdegf]

$$-3-5\,x^{2}-3\,x^{4}+(3\,x^{4}+5\,x^{2}+6)\,f(x)+(-3\,x^{4}-3)\,f(x)^{2}+x^{4}\,f(x)^{3}$$

Sequence: A053500
Score: 5.64165
Type of gen. func.: lgdegf]

$$(-2\,n^{3}+22\,n^{2}-48\,n)\,a(n+1)+(-3\,n^{3}+21\,n^{2}+12\,n-84)\,a(n+2),$$

```
    a(0) = 1, a(1) = 1, a(2) = 0, a(3) = 0, a(4) = 1, a(5) = 0, a(6) = 0,

    a(7) = 0, a(8) = 0, a(9) = 1



------------------------------------------------------------------------------

Sequence:  A053501
Score: 4.86850
Type of gen. func.: ogf_with_Euler_transform]


/     55    165   330    11    462    55    330   165    1    462
|x + ---- + --- + --- + ---- - --- - ---- - --- - --- - --- + --- - 3628811|
|     x      7     3      9     4      8     6     2     10    5           |
           x     x      x     x      x     x     x     x     x            /

     10   /        11
    x    /  (x - 1)
        /



------------------------------------------------------------------------------

Sequence:  A053501
Score: 8.12384
Type of gen. func.: lgdegf]


a(n), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 0,

    a(7) = 0, a(8) = 0, a(9) = 0, a(10) = 1



------------------------------------------------------------------------------

Sequence:  A053504
Score: 25.7587
Type of gen. func.: lgdegf]


                         11    7    5    3    2
                        x   + x  + x  + x  + x  + x + 1



------------------------------------------------------------------------------

Sequence:  A053524
Score: 11.1833
Type of gen. func.: ogf


                                 2
                       -12 f(x) x  - 4 f(x) x + f(x) - x



------------------------------------------------------------------------------

Sequence:  A053524
Score: 17.6578
Type of gen. func.: ogf


                                        x
                             - -------------------
                               (2 x + 1) (6 x - 1)
```

Sequence: A053524
Score: 18.3775
Type of gen. func.: revogf

$$\frac{-1 - 4 x + (64 x^2 + 8 x + 1)^{1/2}}{24 x}$$

Sequence: A053524
Score: 25.4457
Type of gen. func.: lgdogf

$$- \frac{4 (6 x + 1)}{(2 x + 1) (6 x - 1)}$$

Sequence: A053524
Score: 8.18287
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 12 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A053526
Score: 19.0889
Type of gen. func.: lgdogf

$$- \frac{5 (x^2 - 2 x + 22)}{(x - 1) (x^2 - 2 x + 16)}$$

Sequence: A053526
Score: 6.12287
Type of gen. func.: ogf

$$- \frac{x^4 (x^2 - 2 x + 16)}{(x - 1)^7}$$

Sequence: A053527
Score: 4.71422
Type of gen. func.: ogf

$$\frac{x^4 (2 x^4 - 18 x^3 + 27 x^2 - 113 x - 3)}{(x - 1)^9}$$

Sequence: A053527
Score: 9.76517
Type of gen. func.: lgdogf

$$- \frac{5 (2 x^4 - 20 x^3 + 27 x^2 - 170 x - 28)}{(x - 1) (2 x^4 - 18 x^3 + 27 x^2 - 113 x - 3)}$$

Sequence: A053528
Score: 4.15960
Type of gen. func.: ogf

$$- \frac{3 x^5 (7 x^5 - 43 x^4 + 137 x^3 - 153 x^2 + 347 x + 20)}{(x - 1)^{11}}$$

Sequence: A053528
Score: 8.87743
Type of gen. func.: lgdogf

$$- \frac{7 (6 x^5 - 38 x^4 + 132 x^3 - 138 x^2 + 452 x + 81)}{(x - 1) (7 x^5 - 43 x^4 + 137 x^3 - 153 x^2 + 347 x + 20)}$$

Sequence: A053529
Score: 4.39982
Type of gen. func.: egf]

```
  10    9    8    7    6    5    4    3
 x   - x  - x  + x  + x  + x  - x  - x  + 1
-----------------------------------------------
            7    6      4      3             2
```

$$(x + 1) (3 x + x - 2 x - 2 x + 1) (x - 1)$$

Sequence: A053530
Score: 6.69883
Type of gen. func.: lgdegf]

$$-n a(n + 1) + (n^2 - n - 3) a(n + 2) + (2 n^2 + 7 n + 3) a(n + 3) + (n^2 + 7 n + 12) a(n + 4), a(0) = 0, a(1) = 1, a(2) = 3/2, a(3) = 2/3$$

Sequence: A053531
Score: 5.55354
Type of gen. func.: lgdegf]

$$(-5 n^3 + 35 n^2 - 60 n) a(n) + (18 n^3 - 46 n^2 + 2 n + 66) a(n + 1) + (-13 n^3 + 11 n^2 + 50 n - 48) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1/6$$

Sequence: A053532
Score: 38.5481
Type of gen. func.: lgdegf]

$$x^3 + (-2 + 2 x) f(x)$$

Sequence: A053532
Score: 4.11533
Type of gen. func.: egf]

$$\{(-2 n - 10) a(n + 5) + (2 n + 8) a(n + 4) + a(n + 1), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 1/8\}$$

Sequence: A053533
Score: 3.76984
Type of gen. func.: egf]

$$\{(-2 n - 12) a(n + 6) + (2 n + 10) a(n + 5) + a(n + 1), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 1/10\}$$

Sequence: A053533
Score: 38.3636
Type of gen. func.: lgdegf]

$$x^4 + (-2 + 2 x) f(x)$$

Sequence: A053535
Score: 16.8006
Type of gen. func.: ogf

$$-\frac{1}{(3 x + 1) (9 x - 1)}$$

Sequence: A053535
Score: 21.5171
Type of gen. func.: lgdogf

$$-\frac{6 (1 + 9 x)}{(3 x + 1) (9 x - 1)}$$

Sequence: A053535
Score: 6.64211
Type of gen. func.: ogf

$$-(5 f(x) - 3) (27 f(x) x^2 + 6 f(x) x - f(x) + 1)$$

Sequence: A053535
Score: 6.88218
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) + 27 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A053536
Score: 2.75436
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) + 48 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A053536
Score: 6.72388
Type of gen. func.: ogf

$$- \frac{1}{(4 x + 1) (12 x - 1)}$$

Sequence: A053536
Score: 7.80972
Type of gen. func.: lgdogf

$$- \frac{8 (12 x + 1)}{(4 x + 1) (12 x - 1)}$$

Sequence: A053536
Score: 8.45224
Type of gen. func.: ogf

$$(61 f(x) - 45) (48 f(x) x^2 + 8 f(x) x - f(x) + 1)$$

Sequence: A053537
Score: 5.75497
Type of gen. func.: ogf

$$- \frac{1}{(5 x + 1) (15 x - 1)}$$

Sequence: A053537
Score: 6.61490
Type of gen. func.: lgdogf

$$- \frac{10 (1 + 15 x)}{(5 x + 1) (15 x - 1)}$$

Sequence: A053537

Score: 8.00195
Type of gen. func.: ogf

$$(61 f(x) - 45) (75 f(x) x^2 + 10 f(x) x - f(x) + 1)$$

Sequence: A053539
Score: 10.1167
Type of gen. func.: ogf

$$-64 f(x) x^2 + 16 f(x) x - f(x) + x$$

Sequence: A053539
Score: 17.6320
Type of gen. func.: ogf

$$\frac{x}{(8 x - 1)^2}$$

Sequence: A053539
Score: 25.3389
Type of gen. func.: revogf

$$\frac{4 x}{(1 + (1 + 32 x)^{1/2})^2}$$

Sequence: A053539
Score: 50.6778
Type of gen. func.: lgdogf

$$- \frac{16}{8 x - 1}$$

Sequence: A053539
Score: 7.43518
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1) + 64 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A053540
Score: 19.9430
Type of gen. func.: ogf

$$\frac{1}{(9 x - 1)^2}$$

Sequence: A053540
Score: 28.5843
Type of gen. func.: revogf

$$\frac{4 x}{(1 + (1 + 36 x)^{1/2})^2}$$

Sequence: A053540
Score: 62.3657
Type of gen. func.: lgdogf

$$- \frac{18}{9 x - 1}$$

Sequence: A053540
Score: 8.21182
Type of gen. func.: ogf

$$\{-a(n + 2) + 18 a(n + 1) - 81 a(n), a(0) = 1, a(1) = 18\}$$

Sequence: A053540
Score: 8.30959
Type of gen. func.: ogf

$$(5 f(x) + 11) (81 f(x) x^2 - 18 f(x) x + f(x) - 1)$$

Sequence: A053541
Score: 14.2448
Type of gen. func.: ogf

$$\frac{1}{(10 x - 1)^2}$$

Sequence: A053541
Score: 20.8949
Type of gen. func.: revogf

$$\frac{4 x}{(1 + (1 + 40 x)^{1/2})^2}$$

Sequence: A053541
Score: 38.5752
Type of gen. func.: lgdogf

$$- \frac{20}{10 x - 1}$$

Sequence: A053541
Score: 5.96292
Type of gen. func.: ogf

$$\{-a(n + 2) + 20 a(n + 1) - 100 a(n), a(0) = 1, a(1) = 20\}$$

Sequence: A053541
Score: 6.03308
Type of gen. func.: ogf

$$(5 f(x) + 11) (100 f(x) x^2 - 20 f(x) x + f(x) - 1)$$

Sequence: A053545
Score: 11.5525
Type of gen. func.: ogf

$$\frac{x (2 x^2 - 2 x + 1)}{(x - 1) (2 x - 1)^3}$$

Sequence: A053545
Score: 16.4623
Type of gen. func.: lgdogf

$$-\frac{8 x^{3} - 14 x^{2} + 12 x - 5}{(x - 1) (2 x - 1) (2 x^{2} - 2 x + 1)}$$

Sequence: A053545
Score: 6.18881
Type of gen. func.: ogf

$-(58 f(x) + 9)$

$$(8 f(x) x^{4} - 20 f(x) x^{3} + 18 f(x) x^{2} - 2 x^{3} - 7 f(x) x + 2 x^{2} + f(x) - x)$$

Sequence: A053553
Score: 17.6018
Type of gen. func.: lgdegf]

$$\frac{2 x^{3} + 3 x^{2} - 2 x - 4}{2 (x - 1) (x + 1)}$$

Sequence: A053553
Score: 3.10590
Type of gen. func.: egf]

$\{(2 n + 10) a(n + 5) - 4 a(n + 4) + (-8 - 2 n) a(n + 3) + 3 a(n + 2)$

$+ 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 5/2, a(3) = 5/2, a(4) = 17/8\}$

Sequence: A053554
Score: 18.0381
Type of gen. func.: revegf]

$$\frac{-x^{2} + \ln(x + 1) x + \ln(x + 1)}{x + 1}$$

Sequence: A053565
Score: 15.1903
Type of gen. func.: ogf

$$\frac{7 x - 2}{(2 x - 1)^{2}}$$

Sequence: A053565
Score: 21.8331
Type of gen. func.: revogf

$$\frac{-1 + 2 x + (1 + 3 x)^{1/2}}{-7 + 4 x}$$

Sequence: A053565
Score: 25.0677
Type of gen. func.: lgdogf

$$-\frac{-1 + 14 x}{(7 x - 2) (2 x - 1)}$$

Sequence: A053565
Score: 7.51166
Type of gen. func.: ogf

$$-(24 f(x) + 47) (4 f(x) x^{2} - 4 f(x) x + f(x) - 7 x + 2)$$

Sequence: A053565
Score: 8.33612
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + 4 a(n), a(0) = -2, a(1) = -1\}$$

Sequence: A053566
Score: 11.4234
Type of gen. func.: ogf

$$\frac{11 x - 2}{(3 x - 1)^{2}}$$

Sequence: A053566
Score: 16.2280
Type of gen. func.: revogf

$$\frac{-1 + 3 x + (5 x + 1)^{1/2}}{-11 + 9 x}$$

Sequence: A053566
Score: 19.2331
Type of gen. func.: lgdogf

$$- \frac{-1 + 33 x}{(11 x - 2) (3 x - 1)}$$

Sequence: A053566
Score: 5.59018
Type of gen. func.: ogf

$$-(270 f(x) + 539) (9 f(x) x^{2} - 6 f(x) x + f(x) - 11 x + 2)$$

Sequence: A053566
Score: 6.40826
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 9 a(n), a(0) = -2, a(1) = -1\}$$

Sequence: A053567
Score: 4.30760
Type of gen. func.: ogf

$$- \frac{x^{4} - 52 x^{3} + 328 x^{2} - 444 x + 120}{(x + 1)^{11}}$$

Sequence: A053567
Score: 7.83169
Type of gen. func.: lgdogf

$$-\frac{7\,(x^4 - 60\,x^3 + 444\,x^2 - 728\,x + 252)}{(x + 1)\,(x^4 - 52\,x^3 + 328\,x^2 - 444\,x + 120)}$$

Sequence: A053573
Score: 16.9506
Type of gen. func.: revogf

$$\frac{-1 - 5\,x + (81\,x^2 + 10\,x + 1)^{1/2}}{28\,x}$$

Sequence: A053573
Score: 18.8044
Type of gen. func.: ogf

$$-\frac{1}{(2\,x + 1)\,(7\,x - 1)}$$

Sequence: A053573
Score: 25.0868
Type of gen. func.: lgdogf

$$-\frac{5 + 28\,x}{(2\,x + 1)\,(7\,x - 1)}$$

Sequence: A053573
Score: 7.26534
Type of gen. func.: ogf

$$-(53\,f(x) - 28)\,(14\,f(x)\,x^2 + 5\,f(x)\,x - f(x) + 1)$$

Sequence: A053573
Score: 7.70300
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + 14 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A053581
Score: 10.4336
Type of gen. func.: ogf

$$\frac{(x - 1)^2}{(3 x - 1) (2 x - 1)}$$

Sequence: A053581
Score: 17.4280
Type of gen. func.: lgdogf

$$\frac{-3 + 7 x}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A053581
Score: 5.36875
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 10\}$$

Sequence: A053581
Score: 5.94604
Type of gen. func.: ogf

$$(4 + 5 f(x)) (6 f(x) x^2 - 5 f(x) x - x^2 + f(x) + 2 x - 1)$$

Sequence: A053599
Score: 13.1227
Type of gen. func.: ogf

$$- \frac{x + 1}{(2 x^2 - 1) (x - 1)^2}$$

Sequence: A053599
Score: 18.2728
Type of gen. func.: lgdogf

$$-\frac{6x^3+6x^2-5x-3}{(x-1)(x+1)(2x^2-1)}$$

Sequence: A053599
Score: 4.02255
Type of gen. func.: ogf

$$\{(4n+18)a(n+1)+(-4n-14)a(n+2)+(-2n-9)a(n+3)$$
$$+(2n+7)a(n+4),\ a(0)=1,\ a(1)=3,\ a(2)=7,\ a(3)=13\}$$

Sequence: A053599
Score: 6.50802
Type of gen. func.: ogf

$$(20 f(x)-31)(2 f(x) x^4-4 f(x) x^3+f(x) x^2+2 f(x) x-f(x)+x+1)$$

Sequence: A053602
Score: 10.6421
Type of gen. func.: ogf

$$f(x) x^4+f(x) x^2+x^3+x^2-f(x)+x$$

Sequence: A053602
Score: 13.0846
Type of gen. func.: ogf

$$-\frac{x(x^2+x+1)}{x^4+x^2-1}$$

Sequence: A053602
Score: 15.1224
Type of gen. func.: lgdogf

$$-\frac{2x^5+3x^4+4x^3+x^2+4x+1}{(x^2+x+1)(x^4+x^2-1)}$$

Sequence: A053606
Score: 13.1604
Type of gen. func.: ogf

$$-\frac{8x}{(x-1)(x^2-18x+1)}$$

Sequence: A053606
Score: 17.4248
Type of gen. func.: lgdogf

$$-\frac{3x^2-38x+19}{(x-1)(x^2-18x+1)}$$

Sequence: A053606
Score: 5.37860
Type of gen. func.: ogf

$$\{a(n+3)-19a(n+2)+19a(n+1)-a(n),\ a(0)=0,\ a(1)=8,\ a(2)=152\}$$

Sequence: A053606
Score: 7.82961
Type of gen. func.: ogf

$$f(x)x^3-19f(x)x^2+19f(x)x-f(x)+8x$$

Sequence: A053618
Score: 5.53503
Type of gen. func.: ogf

$$\frac{x^3 (x^2 - x + 1) (x^4 + x^2 - x + 1)}{(x^4 + 1) (x^2 + 1) (x + 1) (x - 1)^4}$$

Sequence: A053618
Score: 5.54730
Type of gen. func.: lgdogf

$$- (5 x^{13} - 3 x^{12} + 14 x^{11} - 10 x^{10} + 27 x^9 - 11 x^8 + 14 x^7 + 6 x^6 + 9 x^5 + x^4 + 8 x^3 + 3 x + 1) / ((x - 1) (x + 1) (x^2 + 1) (x^2 - x + 1) (x^4 + x^2 - x + 1) (x^4 + 1))$$

Sequence: A053625
Score: 4.33653
Type of gen. func.: ogf

{(-4 + n) a(n + 2) + (-2 - n) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0,

a(4) = 0, a(5) = 0, a(6) = 720}

Sequence: A053625
Score: 8.35958
Type of gen. func.: ogf

$$- \frac{720 x^6}{(x - 1)^7}$$

Sequence: A053625
Score: 87.5809
Type of gen. func.: lgdogf

$$- \frac{7}{x - 1}$$

Sequence: A053654
Score: 14.6504
Type of gen. func.: ogf

$$\frac{123456789}{(x-1)^2}$$

Sequence: A053654
Score: 6.12924
Type of gen. func.: ogf

{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 123456789, a(1) = 246913578}

Sequence: A053654
Score: 73.6110
Type of gen. func.: lgdogf

$$-\frac{2}{x-1}$$

Sequence: A053654
Score: 8.96516
Type of gen. func.: ogf

$$-f(x)\,x^2 + 2\,f(x)\,x - f(x) + 123456789$$

Sequence: A053655
Score: 5.88532
Type of gen. func.: ogf

$$-\frac{11100\,x^2 - 110\,x - 1}{(x-1)\,(100\,x-1)\,(1000\,x-1)\,(10\,x-1)}$$

Sequence: A053692
Score: 9.86809
Type of gen. func.: ogf_with_Euler_transform]

4   3

$$-\frac{-2x - x - 1}{x^5 + x^4 + x + 1}$$

Sequence: A053693
Score: 7.17263
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4x^{12} + 3x^{11} + 3x^8 + 2x^7 + 2x^4 + x^3 + 1}{-x^{13} - x^{12} - x^9 - x^8 - x^5 - x^4 - x - 1}$$

Sequence: A053697
Score: 6.12216
Type of gen. func.: ogf

$$\frac{10x^8 - 10x^6 + 10x^5 - x^4 + 2x^3 + 7x^2 + 2x + 1}{(x - 1)(x + 1)(10x^3 - 1)}$$

Sequence: A053698
Score: 11.5774
Type of gen. func.: ogf

$$\frac{5x^2 + 1}{(x - 1)^4}$$

Sequence: A053698
Score: 23.0555
Type of gen. func.: lgdogf

$$-\frac{2(5x^2 + 5x + 2)}{(x - 1)(5x^2 + 1)}$$

Sequence: A053698
Score: 3.93996

Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-7 - n) a(n + 3) + 5 n a(n + 2) + (-15 - 5 n) a(n + 1),$$
$$a(0) = 1, a(1) = 4, a(2) = 15, a(3) = 40\}$$

Sequence: A053698
Score: 5.83358
Type of gen. func.: ogf

$$(297 f(x) + 646) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 5 x^2 + f(x) - 1)$$

Sequence: A053699
Score: 13.0606
Type of gen. func.: lgdogf

$$-\frac{x^4 + 16 x^3 + 66 x^2 + 32 x + 5}{(x - 1) (x^4 + 6 x^3 + 16 x^2 + 1)}$$

Sequence: A053699
Score: 7.81932
Type of gen. func.: ogf

$$-\frac{x^4 + 6 x^3 + 16 x^2 + 1}{(x - 1)^5}$$

Sequence: A053700
Score: 6.35488
Type of gen. func.: ogf

$$-\frac{x^5 - 6 x^4 - 6 x^3 - 76 x^2 - 27 x - 6}{(x - 1)^6}$$

Sequence: A053700
Score: 9.47801
Type of gen. func.: lgdogf

$$-\frac{x^5 - 7x^4 - 42x^3 - 322x^2 - 287x - 63}{(x-1)(x^5 - 6x^4 - 6x^3 - 76x^2 - 27x - 6)}$$

Sequence: A053715
Score: 11.6225
Type of gen. func.: ogf

$$-\frac{x(9x^4 - 18x^2 - 11x - 1)}{(x-1)^2 (x+1)^2}$$

Sequence: A053715
Score: 16.2624
Type of gen. func.: lgdogf

$$\frac{33x^2 + 40x + 11}{(x-1)(x+1)(9x^4 - 18x^2 - 11x - 1)}$$

Sequence: A053716
Score: 5.55367
Type of gen. func.: ogf

$$-\frac{x^6 - 6x^5 + 57x^4 + 232x^3 + 351x^2 + 78x + 7}{(x-1)^7}$$

Sequence: A053716
Score: 7.59192
Type of gen. func.: lgdogf

$$-\frac{x^6 - 6x^5 + 141x^4 + 1156x^3 + 2451x^2 + 1170x + 127}{(x-1)(x^6 - 6x^5 + 57x^4 + 232x^3 + 351x^2 + 78x + 7)}$$

Sequence: A053717
Score: 4.72218
Type of gen. func.: ogf

$$-\frac{x^7 - 8x^6 - 57x^5 - 1016x^4 - 2297x^3 - 1464x^2 - 191x - 8}{(x - 1)^8}$$

Sequence: A053717
Score: 6.05845
Type of gen. func.: lgdogf

$$-\frac{x^7 - 9x^6 - 219x^5 - 4349x^4 - 15549x^3 - 15675x^2 - 4265x - 255}{(x - 1)(x^7 - 8x^6 - 57x^5 - 1016x^4 - 2297x^3 - 1464x^2 - 191x - 8)}$$

Sequence: A053723
Score: 11.6081
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4x^3 + 3x^2 + 2x + 1}{-x^4 - x^3 - x^2 - x - 1}$$

Sequence: A053724
Score: 7.71111
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{6x^5 + 5x^4 + 4x^3 + 3x^2 + 2x + 1}{-x^6 - x^5 - x^4 - x^3 - x^2 - x - 1}$$

Sequence: A053730
Score: 10.7490
Type of gen. func.: ogf

$$-\frac{6x^2 - 4x + 1}{(2x - 1)^3}$$

Sequence: A053730
Score: 16.7464
Type of gen. func.: lgdogf

$$-\frac{2\,(6\,x^{2}-2\,x+1)}{(2\,x-1)\,(6\,x^{2}-4\,x+1)}$$

Sequence: A053730
Score: 5.74518
Type of gen. func.: ogf

$$-(2\,f(x)+3)\,(8\,f(x)\,x^{3}-12\,f(x)\,x^{2}+6\,f(x)\,x+6\,x^{2}-f(x)-4\,x+1)$$

Sequence: A053730
Score: 5.89770
Type of gen. func.: ogf

$$\{a(n+3)-6\,a(n+2)+12\,a(n+1)-8\,a(n),\ a(0)=1,\ a(1)=2,\ a(2)=6\}$$

Sequence: A053738
Score: 8.36856
Type of gen. func.: lgdogf

$$\frac{2\,(320\,x^{22}-656\,x^{21}+336\,x^{20}+16\,x^{6}-36\,x^{5}+20\,x^{4}-x+2)}{(x-1)\,(32\,x^{22}-32\,x^{21}+8\,x^{6}-8\,x^{5}+2\,x^{2}-2\,x-1)}$$

Sequence: A053738
Score: 9.87393
Type of gen. func.: ogf

$$-\frac{32\,x^{22}-32\,x^{21}+8\,x^{6}-8\,x^{5}+2\,x^{2}-2\,x-1}{(x-1)^{2}}$$

Sequence: A053739
Score: 17.9509
Type of gen. func.: lgdogf

$$-\frac{7x^2+4x-6}{(x-1)(x^2+x-1)}$$

Sequence: A053739
Score: 7.59741
Type of gen. func.: ogf

$$\frac{1}{(x^2+x-1)(x-1)^5}$$

Sequence: A053741
Score: 17.1881
Type of gen. func.: ogf

$$\frac{10(3x+2)}{(x-1)^2}$$

Sequence: A053741
Score: 24.7665
Type of gen. func.: revogf

$$-\frac{-10-x+5(2x+4)^{1/2}}{-30+x}$$

Sequence: A053741
Score: 36.0240
Type of gen. func.: lgdogf

$$-\frac{3x+7}{(3x+2)(x-1)}$$

Sequence: A053741
Score: 8.8774
Type of gen. func.: ogf

$$(19 f(x) + 2021) (f(x) x^2 - 2 f(x) x + f(x) - 30 x - 20)$$

Sequence: A053741
Score: 9.61718
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 20, a(1) = 70\}$$

Sequence: A053742
Score: 17.1881
Type of gen. func.: ogf

$$\frac{25 (x + 1)}{(x - 1)^2}$$

Sequence: A053742
Score: 20.3212
Type of gen. func.: revogf

$$- \frac{-25 - 2 x + 5 (25 + 8 x)^{1/2}}{2 (-25 + x)}$$

Sequence: A053742
Score: 38.2479
Type of gen. func.: ogf_with_Euler_transform]

$$[3 - x]$$

Sequence: A053742
Score: 44.0294
Type of gen. func.: lgdogf

$$- \frac{x + 3}{(x - 1) (x + 1)}$$

Sequence: A053742
Score: 8.8774
Type of gen. func.: ogf

$$(16 f(x) + 1625) (f(x) x^2 - 2 f(x) x + f(x) - 25 x - 25)$$

Sequence: A053742
Score: 9.61718
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 25, a(1) = 75\}$$

Sequence: A053743
Score: 17.0691
Type of gen. func.: ogf

$$\frac{5 (11 x + 9)}{(x - 1)^2}$$

Sequence: A053743
Score: 19.6778
Type of gen. func.: revogf

$$-\frac{-45 - 2 x + 5 (81 + 16 x)^{1/2}}{2 (-55 + x)}$$

Sequence: A053743
Score: 31.4845
Type of gen. func.: lgdogf

$$-\frac{29 + 11 x}{(11 x + 9) (x - 1)}$$

Sequence: A053743
Score: 9.01402

Type of gen. func.: ogf

$$(8 f(x) + 481) (f(x) x^2 - 2 f(x) x + f(x) - 55 x - 45)$$

Sequence: A053743
Score: 9.43821
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 45, a(1) = 145\}$$

Sequence: A053755
Score: 12.0235
Type of gen. func.: ogf

$$-\frac{5 x^2 + 2 x + 1}{(x - 1)^3}$$

Sequence: A053755
Score: 20.5254
Type of gen. func.: lgdogf

$$-\frac{5 x^2 + 14 x + 5}{(x - 1) (5 x^2 + 2 x + 1)}$$

Sequence: A053755
Score: 6.43363
Type of gen. func.: ogf

$$(88 f(x) - 205) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 5 x^2 - f(x) + 2 x + 1)$$

Sequence: A053755
Score: 6.49057
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 5, a(2) = 17\}$$

Sequence: A053776
Score: 13.1366
Type of gen. func.: ogf

$$(f(x)\,x - f(x) + 1)^2$$

Sequence: A053793
Score: 12.3431
Type of gen. func.: ogf

$$-\frac{x\,(2\,x^4 + 6\,x^3 + 5\,x^2 + 6\,x + 2)}{(x - 1)\,(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A053793
Score: 8.45807
Type of gen. func.: lgdogf

$$-\frac{6\,x^{10} + 24\,x^9 + 25\,x^8 + 36\,x^7 + 14\,x^6 + 8\,x^3 + 18\,x^2 + 10\,x + 6}{(x - 1)\,(2\,x^4 + 6\,x^3 + 5\,x^2 + 6\,x + 2)\,(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A053794
Score: 7.88370
Type of gen. func.: lgdogf

$$-\frac{3\,x^{10} + 6\,x^9 - 5\,x^8 + 16\,x^7 - 6\,x^6 + 4\,x^5 - 2\,x^4 + 7\,x^2 - 2\,x + 3}{(x - 1)\,(x^2 + 1)\,(x^4 + 1)\,(x^4 + 2\,x^3 + 2\,x + 1)}$$

Sequence: A053794
Score: 8.18297
Type of gen. func.: ogf

$$-\frac{2\,x\,(x^4 + 2\,x^3 + 2\,x + 1)}{(x - 1)\,(x^4 + 1)\,(x^2 + 1)}$$

Sequence: A053796
Score: 15.0156
Type of gen. func.: ogf

$$-\frac{x\,(2\,x^2+x+2)}{(x-1)\,(x^4+x^3+x^2+x+1)}$$

Sequence: A053796
Score: 15.4393
Type of gen. func.: lgdogf

$$-\frac{6\,x^6+4\,x^5+10\,x^4+4\,x+1}{(x-1)\,(2\,x^2+x+2)\,(x^4+x^3+x^2+x+1)}$$

Sequence: A053798
Score: 11.7844
Type of gen. func.: lgdogf

$$-\frac{2\,(x+1)\,(x^6+3\,x^4-2\,x^3+3\,x^2+1)}{(x-1)\,(x^4+1)\,(x^2+x+1)\,(x^2-x+1)}$$

Sequence: A053798
Score: 16.5792
Type of gen. func.: ogf_with_Euler_transform]

$$-x^7-x^5+x^3+2\,x^2+x+2$$

Sequence: A053798
Score: 7.49379
Type of gen. func.: ogf

$$\frac{(x^2-x+1)\,(x^4+1)}{(x^2+x+1)\,(x-1)^4}$$

Sequence: A053799
Score: 10.2834
Type of gen. func.: lgdogf

$$-\frac{2\,(x^6+2x^5+5x^4+2x^3+5x^2+2x+1)}{(x-1)(x+1)(x^2+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A053799
Score: 19.8510
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5-x^3+2x^2+x+2$$

Sequence: A053799
Score: 9.18997
Type of gen. func.: ogf

$$-\frac{(x+1)(x^2+1)(x^2-x+1)}{(x^2+x+1)(x-1)^3}$$

Sequence: A053800
Score: 4.61268
Type of gen. func.: ogf

$$-\frac{(x+1)(x^4-x^3+x^2-x+1)(x^2-x+1)(x^4+1)}{(x^2+x+1)(x^4+x^3+x^2+x+1)(x-1)^5}$$

Sequence: A053805
Score: 32.1950
Type of gen. func.: ogf_with_Euler_transform]

$$[25-12x]$$

Sequence: A053805
Score: 38.7960
Type of gen. func.: lgdogf

$$-\frac{25 + x}{(x - 1) (x + 1)}$$

Sequence: A053805
Score: 5.43478
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 3) + 25 a(n + 2) + (n + 2) a(n + 1), a(0) = 1, a(1) = 25, a(2) = 313\}$$

Sequence: A053808
Score: 11.4905
Type of gen. func.: ogf

$$\frac{x + 1}{(x^2 + x - 1) (x - 1)^3}$$

Sequence: A053808
Score: 19.9647
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 7 x^2 - 5}{(x - 1) (x + 1) (x^2 + x - 1)}$$

Sequence: A053809
Score: 16.8177
Type of gen. func.: lgdogf

$$-\frac{5 x^3 + 9 x^2 - 6}{(x - 1) (x + 1) (x^2 + x - 1)}$$

Sequence: A053809
Score: 8.69647
Type of gen. func.: ogf

$$-\frac{x+1}{(x^2+x-1)(x-1)^4}$$

Sequence: A053831
Score: 6.96620
Type of gen. func.: ogf

$$-\frac{x(9x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)}{(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A053832
Score: 6.51020
Type of gen. func.: ogf

$$-\frac{x(10x^{11}-x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)}{(x+1)(x^2+1)(x^2+x+1)(x^2-x+1)(x^4-x^2+1)(x-1)^2}$$

Sequence: A053833
Score: 6.07941
Type of gen. func.: ogf

$$-x(11x^{12}-x^{11}-x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1) \Big/ \Big(
(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2\Big)$$

Sequence: A053834
Score: 5.75181
Type of gen. func.: ogf

$$-x(12x^{13}-x^{12}-x^{11}-x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)$$

$$\Big/ \ ((x+1)(x^6+x^5+x^4+x^3+x^2+x+1)$$

$$/\ (x^{6} - x^{5} + x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2})$$

Sequence: A053835
Score: 5.44730
Type of gen. func.: ogf

$$- x (13 x^{14} - x^{13} - x^{12} - x^{11} - x^{10} - x^{9} - x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 1) \Big/ ((x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{8} - x^{7} + x^{5} - x^{4} + x^{3} - x + 1) (x - 1)^{2})$$

Sequence: A053836
Score: 5.13474
Type of gen. func.: ogf

$$- x (14 x^{15} - x^{14} - x^{13} - x^{12} - x^{11} - x^{10} - x^{9} - x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 1) \Big/ ((x + 1) (x^{2} + 1) (x^{8} + 1) (x^{4} + 1) (x - 1)^{2})$$

Sequence: A053871
Score: 22.5740
Type of gen. func.: lgdegf]

$$-2 f(x) x + (1 - 2 x) f(x)^{2}$$

Sequence: A053871
Score: 4.13992
Type of gen. func.: ogf

$$\{(2 n + 4) a(n + 1) + (2 n + 4) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 0, a(2) = 2\}$$

Sequence: A053879
Score: 11.9673

Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^4 + 3 x^3 - x^2 + 3 x + 1)}{(x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A053879
Score: 7.59904
Type of gen. func.: lgdogf

$$-(2 x^{11} + 12 x^{10} + 8 x^9 + 10 x^8 + 24 x^7 + 7 x^6 + 5 x^4 + 16 x^3 + 6 x^2 + 4 x + 4) / ((x - 1) (x + 1) (x^4 + 3 x^3 - x^2 + 3 x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1))$$

Sequence: A053983
Score: 6.08904
Type of gen. func.: ogf

$$\{-a(n + 1) + (2 n + 5) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A053984
Score: 6.19313
Type of gen. func.: ogf

$$\{a(n + 1) + (-2 n - 5) a(n + 2) + a(n + 3), a(0) = 0, a(1) = 1, a(2) = 3\}$$

Sequence: A053987
Score: 5.63622
Type of gen. func.: ogf

$$\{a(n + 1) + (-4 n - 14) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 6, a(2) = 59\}$$

Sequence: A054000
Score: 13.9146
Type of gen. func.: ogf

$$2 x (x - 3)$$

$$\frac{}{(x-1)^3}$$

Sequence: A054000
Score: 39.0790
Type of gen. func.: lgdogf

$$-\frac{2 (x - 4)}{(x - 1) (x - 3)}$$

Sequence: A054000
Score: 7.08153
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 6, a(2) = 16\}$$

Sequence: A054000
Score: 7.27643
Type of gen. func.: ogf

$$(18 f(x) - 95) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 2 x^2 - f(x) + 6 x)$$

Sequence: A054027
Score: 11.2772
Type of gen. func.: ogf

$$-\frac{x^{26} - x^{25} + x^5 - x^4 + x - 2}{(x - 1)^2}$$

Sequence: A054027
Score: 11.3487
Type of gen. func.: lgdogf

$$\frac{24 x^{26} - 49 x^{25} + 25 x^{24} + 3 x^5 - 7 x^4 + 4 x^3 - x + 3}{(x - 1) (x^{26} - x^{25} + x^5 - x^4 + x - 2)}$$

Sequence: A054091
Score: 3.43631
Type of gen. func.: ogf

$$\{(-n^2 - n) a(n) + (-n - 1) a(n + 1) + (n^2 + 5 n + 8) a(n + 2) + (-n - 3) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A054092
Score: 4.29564
Type of gen. func.: ogf

$$\{a(n) n - 2 a(n + 1) + (-n - 1) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A054096
Score: 4.00834
Type of gen. func.: ogf

$$\{-a(n) n + (n + 3) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A054100
Score: 3.09694
Type of gen. func.: ogf

$$\{-a(n) n + 2 a(n + 1) + (n + 1) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 2, a(2) = 2, a(3) = 4\}$$

Sequence: A054107
Score: 6.69178
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1) (x^4 - 2 x^3 + x^2 + 1)}{(x - 1)^4}$$

Sequence: A054107
Score: 9.18077

Type of gen. func.: lgdogf

$$\frac{2 x^{6} - 9 x^{5} + 15 x^{4} - 13 x^{3} + 5 x^{2} - x - 3}{(x - 1) (x^{2} - x + 1) (x^{4} - 2 x^{3} + x^{2} + 1)}$$

Sequence: A054108
Score: 3.92352
Type of gen. func.: ogf

$$-4 f(x)^{2} x^{4} - 7 x^{3} f(x)^{2} - 2 f(x)^{2} x^{2} - 8 f(x) x^{3} + f(x)^{2} x - 14 f(x) x^{2} - 4 f(x) x - 4 x^{2} + 2 f(x) - 7 x - 2$$

Sequence: A054109
Score: 4.01438
Type of gen. func.: ogf

{(-4 n - 14) a(n + 1) + (-3 n - 10) a(n + 2) + (n + 4) a(n + 3), a(0) = 1,

a(1) = 2, a(2) = 8}

Sequence: A054109
Score: 4.65791
Type of gen. func.: ogf

$$-4 f(x)^{2} x^{4} - 7 x^{3} f(x)^{2} - 2 f(x)^{2} x^{2} + f(x)^{2} x - 4 f(x) x^{2} - 3 f(x) x + f(x) - 1$$

Sequence: A054111
Score: 4.88443
Type of gen. func.: ogf

{a(n + 4) - 2 a(n + 3) - a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 7,

a(3) = 18}

Sequence: A054111
Score: 5.19703
Type of gen. func.: ogf

$$-(1979 f(x) - 1342) (2 f(x) x^3 - f(x) x^2 - 4 x^3 - 2 f(x) x - 2 x^2 + f(x) - 1)$$

Sequence: A054111
Score: 9.93788
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^4 + 8 x^3 - x^2 - 3 x - 1)}{(x - 1) (2 x - 1) (x + 1) (4 x^3 + 2 x^2 + 1)}$$

Sequence: A054111
Score: 9.99429
Type of gen. func.: ogf

$$\frac{4 x^3 + 2 x^2 + 1}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A054112
Score: 6.62690
Type of gen. func.: ogf

$$-\frac{x^7 - 2 x^6 + x^4 - x^3 + 6 x^2 - 6 x - 1}{(x - 1)^4}$$

Sequence: A054112
Score: 8.39444
Type of gen. func.: lgdogf

$$\frac{3 x^7 - 11 x^6 + 12 x^5 - 3 x^3 - 9 x^2 + 6 x + 10}{(x - 1) (x^7 - 2 x^6 + x^4 - x^3 + 6 x^2 - 6 x - 1)}$$

Sequence: A054113
Score: 4.11277
Type of gen. func.: ogf

$$\{(-4 n - 10) a(n + 1) + (5 n + 13) a(n + 2) + (-n - 3) a(n + 3), a(0) = 1,$$
$$a(1) = 5, a(2) = 17\}$$

Sequence: A054113
Score: 4.76708
Type of gen. func.: ogf

$$-4 x^3 f(x)^2 + 9 f(x)^2 x^2 - 6 f(x)^2 x + 8 f(x) x^2 + f(x)^2 - 10 f(x) x + 2 f(x) - 4 x - 3$$

Sequence: A054114
Score: 3.92301
Type of gen. func.: ogf

$$-4 f(x)^2 x^4 + 9 x^3 f(x)^2 - 8 f(x) x^4 - 6 f(x)^2 x^2 + 18 f(x) x^3 - 4 x^4 + f(x)^2 x - 4 f(x) x^2 + 9 x^3 - 8 f(x) x + 2 x^2 + 2 f(x) - 9 x - 2$$

Sequence: A054121
Score: 16.0449
Type of gen. func.: lgdogf

$$- \frac{3 (4 x^2 + 5 x + 3)}{(x - 1) (2 x + 1) (x^2 + x + 1)}$$

Sequence: A054121
Score: 4.43178
Type of gen. func.: ogf

$$(11 + 654 f(x)) (f(x) x^4 - 4 f(x) x^3 - 4 x^4 + 6 f(x) x^2 - 8 x^3 - 4 f(x) x - 9 x^2 + f(x) - 5 x - 1)$$

Sequence: A054121
Score: 7.71651

Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (2 x + 1)^2}{(x - 1)^4}$$

Sequence: A054122
Score: 24.6467
Type of gen. func.: lgdogf

$$- \frac{3}{(x - 1) (4 x^2 - 8 x + 1)}$$

Sequence: A054122
Score: 3.22215
Type of gen. func.: ogf

$\{(n + 3) a(n + 3) + (-21 - 9 n) a(n + 2) + (12 n + 12) a(n + 1) - 4 a(n) n,$

$a(0) = 1, a(1) = 3, a(2) = 18\}$

Sequence: A054122
Score: 7.38947
Type of gen. func.: ogf

$$-4 f(x)^2 x^2 + 8 f(x)^2 x - f(x)^2 + x^2 - 2 x + 1$$

Sequence: A054127
Score: 12.8378
Type of gen. func.: lgdogf

$$\frac{x^3 - 3 x^2 + 9 x - 5}{(x - 1) (x - 2) (2 x - 1) (x^2 - x + 1)}$$

Sequence: A054127
Score: 4.69914
Type of gen. func.: ogf

{a(n + 4) - 4 a(n + 3) + 5 a(n + 2) - 2 a(n + 1), a(0) = 2, a(1) = 5, a(2) = 13,

a(3) = 30}

Sequence: A054127
Score: 5.11938
Type of gen. func.: ogf

$$(-375 + 406 f(x)) (2 f(x) x^3 - 5 f(x) x^2 - x^3 + 4 f(x) x + 3 x^2 - f(x) - 3 x + 2)$$

Sequence: A054127
Score: 9.12587
Type of gen. func.: ogf

$$\frac{(x - 2) (x^2 - x + 1)}{(2 x - 1) (x - 1)^2}$$

Sequence: A054128
Score: 6.02970
Type of gen. func.: ogf

$$\frac{(x - 2) (x^4 - 3 x^3 + 4 x^2 - 2 x + 1)}{(2 x - 1) (x - 1)^4}$$

Sequence: A054128
Score: 7.94602
Type of gen. func.: lgdogf

$$\frac{x^5 - 5 x^4 + 10 x^3 - 10 x^2 + 15 x - 7}{(x - 1) (x - 2) (2 x - 1) (x^4 - 3 x^3 + 4 x^2 - 2 x + 1)}$$

Sequence: A054129
Score: 4.19882
Type of gen. func.: ogf

$$\frac{(x - 2) (x^6 - 5 x^5 + 11 x^4 - 13 x^3 + 9 x^2 - 3 x + 1)}{(2 x - 1) (x - 1)^6}$$

Sequence: A054129
Score: 5.55428
Type of gen. func.: lgdogf

$$\frac{x^7 - 7 x^6 + 21 x^5 - 35 x^4 + 35 x^3 - 21 x^2 + 21 x - 9}{(x - 1) (x - 2) (2 x - 1) (x^6 - 5 x^5 + 11 x^4 - 13 x^3 + 9 x^2 - 3 x + 1)}$$

Sequence: A054130
Score: 3.65456
Type of gen. func.: ogf

$$\{(2 n^2 + 18 n) a(n) + (-5 n^2 - 37 n - 40) a(n + 1) + (4 n^2 + 24 n + 32) a(n + 2) + (-n^2 - 5 n - 6) a(n + 3), a(0) = 2, a(1) = 11, a(2) = 58\}$$

Sequence: A054130
Score: 4.16817
Type of gen. func.: ogf

$$\frac{(x - 2) (x^2 - x + 1) (x^6 - 6 x^5 + 15 x^4 - 19 x^3 + 12 x^2 - 3 x + 1)}{(2 x - 1) (x - 1)^8}$$

Sequence: A054130
Score: 5.65405
Type of gen. func.: lgdogf

$$(x^9 - 9 x^8 + 36 x^7 - 84 x^6 + 126 x^5 - 126 x^4 + 84 x^3 - 36 x^2 + 27 x - 11) / ((x - 1) (x - 2) (2 x - 1) (x^2 - x + 1)$$

```
      6      5       4       3       2
    (x  - 6 x  + 15 x  - 19 x  + 12 x  - 3 x + 1))



------------------------------------------------------------------------------

Sequence:  A054135
Score: 12.2572
Type of gen. func.: ogf


                                  2
                                 x  - 2 x + 2
                               -----------------
                               (2 x - 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A054135
Score: 16.7375
Type of gen. func.: lgdogf


                                   2
                                  x  - 6 x + 4
                        --------------------------------
                                            2
                        (2 x - 1) (x - 1) (x  - 2 x + 2)



------------------------------------------------------------------------------

Sequence:  A054135
Score: 6.36891
Type of gen. func.: ogf


      {-a(n + 3) + 3 a(n + 2) - 2 a(n + 1), a(0) = 2, a(1) = 4, a(2) = 9}



------------------------------------------------------------------------------

Sequence:  A054135
Score: 9.1497
Type of gen. func.: ogf


                           2                2
                  -2 f(x) x  + 3 f(x) x + x  - f(x) - 2 x + 2



------------------------------------------------------------------------------

Sequence:  A054136
Score: 10.3735
Type of gen. func.: lgdogf


                           4      3      2
                          x  - 4 x  + 6 x  - 12 x + 6
                 ----------------------------------------------
                                     4      3      2
                 (x - 1) (2 x - 1) (x  - 4 x  + 6 x  - 4 x + 2)
```

Sequence: A054136
Score: 4.34849
Type of gen. func.: ogf

$$(1046 + 2095 f(x)) (2 f(x) x^4 - 7 f(x) x^3 - x^4 + 9 f(x) x^2 + 4 x^3 - 5 f(x) x - 6 x^2 + f(x) + 4 x - 2)$$

Sequence: A054136
Score: 7.72499
Type of gen. func.: ogf

$$\frac{x^4 - 4 x^3 + 6 x^2 - 4 x + 2}{(2 x - 1) (x - 1)^3}$$

Sequence: A054137
Score: 4.94376
Type of gen. func.: ogf

$$\frac{(x^2 - 2 x + 2) (x^4 - 4 x^3 + 5 x^2 - 2 x + 1)}{(2 x - 1) (x - 1)^5}$$

Sequence: A054137
Score: 6.73981
Type of gen. func.: lgdogf

$$\frac{x^6 - 6 x^5 + 15 x^4 - 20 x^3 + 15 x^2 - 18 x + 8}{(x - 1) (2 x - 1) (x^2 - 2 x + 2) (x^4 - 4 x^3 + 5 x^2 - 2 x + 1)}$$

Sequence: A054138
Score: 3.80449
Type of gen. func.: ogf

$$x^8 - 8 x^7 + 28 x^6 - 56 x^5 + 70 x^4 - 56 x^3 + 28 x^2 - 8 x + 2$$

$$(2x - 1)(x - 1)^7$$

Sequence: A054145
Score: 17.4793
Type of gen. func.: lgdogf

$$-\frac{2\,(2x^2 - 4x + 3)}{(x - 1)(2x^2 - 4x + 1)}$$

Sequence: A054145
Score: 3.20999
Type of gen. func.: ogf

$$\{(n + 3)\,a(n + 4) + (-16 - 5n)\,a(n + 3) + (14 + 6n)\,a(n + 2)$$

$$+ (-4 - 2n)\,a(n + 1),\ a(0) = 0,\ a(1) = 2,\ a(2) = 12,\ a(3) = 58\}$$

Sequence: A054145
Score: 4.46705
Type of gen. func.: ogf

$$-(688 f(x) + 143)$$

$$(4 f(x) x^4 - 16 f(x) x^3 + 20 f(x) x^2 - 2x^3 - 8 f(x) x + 4x^2 + f(x) - 2x)$$

Sequence: A054145
Score: 8.51717
Type of gen. func.: ogf

$$\frac{2x(x - 1)^2}{(2x^2 - 4x + 1)^2}$$

Sequence: A054146
Score: 16.7730
Type of gen. func.: lgdogf

$$2\,(2x^2 - 4x + 3)$$

$$- \frac{}{(x - 1) (2 x^2 - 4 x + 1)}$$

Sequence: A054146
Score: 4.25947
Type of gen. func.: ogf

$$-(1376 f(x) + 143)$$

$$(4 f(x) x^4 - 16 f(x) x^3 + 20 f(x) x^2 - x^3 - 8 f(x) x + 2 x^2 + f(x) - x)$$

Sequence: A054146
Score: 8.17819
Type of gen. func.: ogf

$$\frac{x (x - 1)^2}{(2 x^2 - 4 x + 1)^2}$$

Sequence: A054147
Score: 17.0212
Type of gen. func.: lgdogf

$$- \frac{6 x^2 - 12 x + 7}{(x - 1) (2 x^2 - 4 x + 1)}$$

Sequence: A054147
Score: 4.51605
Type of gen. func.: ogf

$$-(128 f(x) + 21)$$

$$(4 f(x) x^4 - 16 f(x) x^3 + 20 f(x) x^2 - 8 f(x) x + 3 x^2 + f(x) - 3 x)$$

Sequence: A054147
Score: 9.03209
Type of gen. func.: ogf

$$-\frac{3 x (x - 1)}{(2 x^2 - 4 x + 1)^2}$$

Sequence: A054148
Score: 10.0973
Type of gen. func.: lgdogf

$$\frac{8 x^3 - 6 x^2 - 4 x + 5}{(x - 1) (2 x^3 - 6 x^2 + 2 x - 1) (2 x^2 - 4 x + 1)}$$

Sequence: A054148
Score: 4.05524
Type of gen. func.: ogf

$$(-92 + 159 f(x)) (4 f(x) x^4 - 16 f(x) x^3 - 2 x^4 + 20 f(x) x^2 + 8 x^3 - 8 f(x) x - 8 x^2 + f(x) + 3 x - 1)$$

Sequence: A054148
Score: 6.99178
Type of gen. func.: ogf

$$\frac{(x - 1) (2 x^3 - 6 x^2 + 2 x - 1)}{(2 x^2 - 4 x + 1)^2}$$

Sequence: A054149
Score: 4.07846
Type of gen. func.: ogf

$$(12624 f(x) + 29) (4 f(x) x^4 - 16 f(x) x^3 + 20 f(x) x^2 - 2 x^3 - 8 f(x) x + 8 x^2 + f(x) - 6 x - 1)$$

Sequence: A054149
Score: 7.43415
Type of gen. func.: ogf

$$\frac{2 x^{3} - 8 x^{2} + 6 x + 1}{(2 x^{2} - 4 x + 1)^{2}}$$

Sequence: A054149
Score: 9.42514
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^{4} - 12 x^{3} + 15 x^{2} - 7)}{(2 x^{2} - 4 x + 1) (2 x^{3} - 8 x^{2} + 6 x + 1)}$$

Sequence: A054254
Score: 12.6618
Type of gen. func.: lgdogf

$$\frac{2 x^{5} - 7 x^{4} + 8 x^{3} - 4 x^{2} + 2 x + 2}{(x - 1) (x^{2} - x + 1) (x^{3} - x^{2} - 1)}$$

Sequence: A054254
Score: 8.52633
Type of gen. func.: ogf

$$\frac{x (x^{2} - x + 1) (x^{3} - x^{2} - 1)}{(x - 1)^{3}}$$

Sequence: A054274
Score: 7.66775
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{5} + 2 x^{4} + x^{3} + x^{2} + 2 x + 1}{-x^{7} - x^{6} - x^{5} + x^{2} + x + 1}$$

Sequence: A054275
Score: 10.6904
Type of gen. func.: ogf

$$-\frac{x^4 + 6 x^3 + 8 x^2 + 6 x + 1}{(x + 1) (x - 1)^3}$$

Sequence: A054275
Score: 11.1679
Type of gen. func.: lgdogf

$$-\frac{4 (2 x^4 + 8 x^3 + 13 x^2 + 8 x + 2)}{(x - 1) (x + 1) (x^4 + 6 x^3 + 8 x^2 + 6 x + 1)}$$

Sequence: A054275
Score: 6.48156
Type of gen. func.: ogf

$$(f(x) + 7) (f(x) x^4 - 2 f(x) x^3 + x^4 + 6 x^3 + 2 f(x) x + 8 x^2 - f(x) + 6 x + 1)$$

Sequence: A054318
Score: 4.96714
Type of gen. func.: ogf

$$(218 f(x) + 7) (f(x) x^3 - 11 f(x) x^2 + 11 f(x) x + x^2 - f(x) - 6 x + 1)$$

Sequence: A054318
Score: 4.96714
Type of gen. func.: ogf

$$\{-a(n + 3) + 11 a(n + 2) - 11 a(n + 1) + a(n), a(0) = 1, a(1) = 5, a(2) = 45\}$$

Sequence: A054318
Score: 9.06700
Type of gen. func.: ogf

$$-\frac{x^2-6x+1}{(x-1)(x^2-10x+1)}$$

Sequence: A054318
Score: 9.64558
Type of gen. func.: lgdogf

$$-\frac{x^4-12x^3+58x^2-20x+5}{(x-1)(x^2-10x+1)(x^2-6x+1)}$$

Sequence: A054320
Score: 13.0580
Type of gen. func.: ogf

$$\frac{x+1}{x^2-10x+1}$$

Sequence: A054320
Score: 14.0211
Type of gen. func.: revogf

$$-\frac{-1-10x+(96x^2+24x+1)^{1/2}}{2(x-1)}$$

Sequence: A054320
Score: 17.8451
Type of gen. func.: lgdogf

$$-\frac{x^2+2x-11}{(x+1)(x^2-10x+1)}$$

Sequence: A054320
Score: 6.74905
Type of gen. func.: ogf

$$(108 f(x) + 13) (f(x) x^2 - 10 f(x) x + f(x) - x - 1)$$

Sequence: A054320
Score: 7.15079
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - a(n), a(0) = 1, a(1) = 11\}$$

Sequence: A054322
Score: 20.1749
Type of gen. func.: lgdogf

$$- \frac{4 (5 + 12 x)}{(4 x - 1) (4 x + 1)}$$

Sequence: A054322
Score: 3.97499
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 3) + 20 a(n + 2) + (64 + 16 n) a(n + 1), a(0) = 4, a(1) = 80, a(2) = 896\}$$

Sequence: A054322
Score: 4.15298
Type of gen. func.: ogf

$$(1312 f(x) + 7423) (256 f(x) x^4 - 256 f(x) x^3 + 96 f(x) x^2 - 16 f(x) x + f(x) - 16 x - 4)$$

Sequence: A054322
Score: 8.18381
Type of gen. func.: ogf

$$\frac{4 (4 x + 1)}{(4 x - 1)^4}$$

Sequence: A054323
Score: 13.0864
Type of gen. func.: lgdogf

$$-\frac{4\,(48\,x^2+168\,x+35)}{(4\,x-1)\,(16\,x^2+40\,x+5)}$$

Sequence: A054323
Score: 6.67407
Type of gen. func.: ogf

$$-\frac{16\,x^2+40\,x+5}{(4\,x-1)^5}$$

Sequence: A054324
Score: 12.3965
Type of gen. func.: lgdogf

$$-\frac{16\,(48\,x^2+56\,x+7)}{(12\,x+1)\,(4\,x+3)\,(4\,x-1)}$$

Sequence: A054324
Score: 5.58238
Type of gen. func.: ogf

$$\frac{2\,(4\,x+3)\,(12\,x+1)}{(4\,x-1)^6}$$

Sequence: A054325
Score: 4.71108
Type of gen. func.: ogf

$$-\frac{64\,x^3+336\,x^2+140\,x+7}{(4\,x-1)^7}$$

Sequence: A054325
Score: 4.74847
Type of gen. func.: ogf

$$\{(-8 n^2 - 84 n - 220) a(n + 1) + (2 n^2 + 9 n + 10) a(n + 2), a(0) = 7, a(1) = 336\}$$

Sequence: A054325
Score: 9.31341
Type of gen. func.: lgdogf

$$-\frac{16 (64 x^3 + 432 x^2 + 252 x + 21)}{(4 x - 1) (64 x^3 + 336 x^2 + 140 x + 7)}$$

Sequence: A054326
Score: 3.90309
Type of gen. func.: ogf

$$\frac{8 (4 x + 1) (16 x^2 + 24 x + 1)}{(4 x - 1)^8}$$

Sequence: A054326
Score: 4.42970
Type of gen. func.: ogf

$$\{(8 n^2 + 92 n + 264) a(n + 1) + (-2 n^2 - 9 n - 10) a(n + 2), a(0) = 8, a(1) = 480\}$$

Sequence: A054326
Score: 8.81951
Type of gen. func.: lgdogf

$$-\frac{4 (320 x^3 + 720 x^2 + 252 x + 15)}{}$$

$$(4 x + 1) (4 x - 1) (16 x^2 + 24 x + 1)$$

Sequence: A054327
Score: 3.99515
Type of gen. func.: ogf

$$\{(8 n^2 + 100 n + 312) a(n + 1) + (-2 n^2 - 9 n - 10) a(n + 2), a(0) = 9, a(1) = 660\}$$

Sequence: A054327
Score: 5.77086
Type of gen. func.: lgdogf

$$- \frac{4 (1280 x^4 + 14080 x^3 + 15840 x^2 + 3696 x + 165)}{(4 x + 3) (4 x - 1) (64 x^3 + 528 x^2 + 108 x + 3)}$$

Sequence: A054328
Score: 4.18055
Type of gen. func.: ogf

$$\{(8 n^2 + 108 n + 364) a(n + 1) + (-2 n^2 - 9 n - 10) a(n + 2), a(0) = 10, a(1) = 880\}$$

Sequence: A054328
Score: 6.31349
Type of gen. func.: lgdogf

$$- \frac{8 (3840 x^4 + 14080 x^3 + 9504 x^2 + 1584 x + 55)}{(4 x - 1) (16 x^2 + 40 x + 5) (80 x^2 + 40 x + 1)}$$

Sequence: A054329
Score: 20.5421
Type of gen. func.: lgdogf

$$4 (5 + 12 x)$$

$$- \frac{}{(4 x - 1) (4 x + 1)}$$

Sequence: A054329
Score: 4.19402
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 3) + 20 a(n + 2) + (64 + 16 n) a(n + 1), a(0) = 1, a(1) = 20,$$

$$a(2) = 224\}$$

Sequence: A054329
Score: 4.41476
Type of gen. func.: ogf

$$(5248 f(x) + 7423)$$

$$(256 f(x) x^4 - 256 f(x) x^3 + 96 f(x) x^2 - 16 f(x) x + f(x) - 4 x - 1)$$

Sequence: A054329
Score: 8.76363
Type of gen. func.: ogf

$$\frac{4 x + 1}{(4 x - 1)^4}$$

Sequence: A054330
Score: 12.1396
Type of gen. func.: lgdogf

$$- \frac{16 (48 x^2 + 56 x + 7)}{(12 x + 1) (4 x + 3) (4 x - 1)}$$

Sequence: A054330
Score: 5.46903
Type of gen. func.: ogf

$$\frac{(4 x + 3) (12 x + 1)}{(4 x - 1)^6}$$

Sequence: A054331
Score: 4.12031
Type of gen. func.: ogf

$$\frac{(4 x + 1) (16 x^2 + 24 x + 1)}{(4 x - 1)^8}$$

Sequence: A054331
Score: 4.64771
Type of gen. func.: ogf

$$\{(8 n^2 + 92 n + 264) a(n + 1) + (-2 n^2 - 9 n - 10) a(n + 2), a(0) = 1, a(1) = 60\}$$

Sequence: A054331
Score: 9.33447
Type of gen. func.: lgdogf

$$- \frac{4 (320 x^3 + 720 x^2 + 252 x + 15)}{(4 x + 1) (4 x - 1) (16 x^2 + 24 x + 1)}$$

Sequence: A054332
Score: 4.08247
Type of gen. func.: ogf

$$\{(8 n^2 + 108 n + 364) a(n + 1) + (-2 n^2 - 9 n - 10) a(n + 2), a(0) = 5, a(1) = 440\}$$

Sequence: A054332
Score: 6.11306
Type of gen. func.: lgdogf

$$- \frac{8 (3840 x^4 + 14080 x^3 + 9504 x^2 + 1584 x + 55)}{}$$

$$(4 x - 1) (16 x^2 + 40 x + 5) (80 x^2 + 40 x + 1)$$

Sequence: A054333
Score: 29.6625
Type of gen. func.: ogf_with_Euler_transform]

$$[11 - x]$$

Sequence: A054333
Score: 30.7832
Type of gen. func.: lgdogf

$$- \frac{11 + 9 x}{(x - 1) (x + 1)}$$

Sequence: A054333
Score: 4.78099
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 3) + 11 a(n + 2) + (10 + n) a(n + 1), a(0) = 1, a(1) = 11, a(2) = 65\}$$

Sequence: A054333
Score: 5.32077
Type of gen. func.: ogf

$$\frac{x + 1}{(x - 1)^{10}}$$

Sequence: A054334
Score: 34.7850
Type of gen. func.: lgdogf

$$- \frac{2 (6 + 5 x)}{(x - 1) (x + 1)}$$

Sequence: A054334
Score: 35.0505
Type of gen. func.: ogf_with_Euler_transform]

$$[12 - x]$$

Sequence: A054334
Score: 5.64402
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 3) + 12 a(n + 2) + (11 + n) a(n + 1), a(0) = 1, a(1) = 12, a(2) = 77\}$$

Sequence: A054334
Score: 5.76944
Type of gen. func.: ogf

$$- \frac{x + 1}{(x - 1)^{11}}$$

Sequence: A054337
Score: 47.6018
Type of gen. func.: lgdogf

$$- \frac{28}{4 x - 1}$$

Sequence: A054337
Score: 5.49999
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (32 + 4 n) a(n + 1), a(0) = 1, a(1) = 28\}$$

Sequence: A054337
Score: 6.47777
Type of gen. func.: ogf

$$- \frac{1}{(4 x - 1)^{7}}$$

Sequence: A054338
Score: 48.8286
Type of gen. func.: lgdogf

$$-\frac{32}{4x-1}$$

Sequence: A054338
Score: 5.48368
Type of gen. func.: ogf

$$\frac{1}{(4x-1)^{8}}$$

Sequence: A054338
Score: 5.63888
Type of gen. func.: ogf

$$\{(-2-n)\,a(n+2)+(36+4n)\,a(n+1),\ a(0)=1,\ a(1)=32\}$$

Sequence: A054339
Score: 5.20184
Type of gen. func.: ogf

$$-\frac{1}{(4x-1)^{9}}$$

Sequence: A054339
Score: 5.88888
Type of gen. func.: ogf

$$\{(-2-n)\,a(n+2)+(40+4n)\,a(n+1),\ a(0)=1,\ a(1)=36\}$$

Sequence: A054339
Score: 51.0370
Type of gen. func.: lgdogf

$$-\frac{36}{4x-1}$$

Sequence: A054340
Score: 34.8651
Type of gen. func.: lgdogf

$$-40 + (1 - 4x) f(x)$$

Sequence: A054340
Score: 5.37173
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (44 + 4 n) a(n + 1), a(0) = 1, a(1) = 40\}$$

Sequence: A054341
Score: 29.7201
Type of gen. func.: revogf

$$\frac{x (2x + 1)}{5x^2 + 4x + 1}$$

Sequence: A054341
Score: 3.45065
Type of gen. func.: ogf

$$\{(-20 n - 40) a(n + 1) + (8 n + 16) a(n + 2) + (5 n + 25) a(n + 3)$$

$$+ (-2 n - 10) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 12\}$$

Sequence: A054341
Score: 9.05234
Type of gen. func.: ogf

$$-5 f(x)^2 x^2 + 2 f(x)^2 x - 4 f(x) x + f(x) - 1$$

Sequence: A054343
Score: 6.08767
Type of gen. func.: lgdogf

$$-\frac{22x^9+34x^8+41x^7+33x^6+91x^5+3x^4+47x^3+7x^2+7x+3}{(x-1)(x+1)(x^2+1)(2x^6+2x^5+x^4+4x^2-2x+1)}$$

Sequence: A054389
Score: 4.96034
Type of gen. func.: ogf

$$\frac{x^8+16x^7+64x^6+144x^5+166x^4+144x^3+64x^2+16x+1}{(x+1)^2(x-1)^6}$$

Sequence: A054391
Score: 5.3417
Type of gen. func.: ogf

$$x^3 f(x)^2 - 3 f(x)^2 x^2 + 4 f(x)^2 x + 3 f(x) x^2 - f(x)^2 - 7 f(x) x + 2 f(x) + 3 x - 1$$

Sequence: A054392
Score: 3.94323
Type of gen. func.: ogf

$$7 x^3 f(x)^2 - 11 f(x)^2 x^2 - 5 f(x) x^3 + 6 f(x)^2 x + 13 f(x) x^2 + x^3 - f(x)^2 - 10 f(x) x - 3 x^2 + 2 f(x) + 4 x - 1$$

Sequence: A054401
Score: 10.5906
Type of gen. func.: ogf

$$\frac{4x(5x-2)}{(x-1)(4x-1)(5x-1)}$$

Sequence: A054401
Score: 10.7924
Type of gen. func.: lgdogf

$$-\frac{200 x^3 - 265 x^2 + 116 x - 15}{(x - 1) (4 x - 1) (5 x - 2) (5 x - 1)}$$

Sequence: A054401
Score: 5.29531
Type of gen. func.: ogf

$$-(5949 f(x) - 18860) (20 f(x) x^3 - 29 f(x) x^2 + 10 f(x) x - 20 x^2 - f(x) + 8 x)$$

Sequence: A054401
Score: 5.61763
Type of gen. func.: ogf

$$\{-a(n + 3) + 10 a(n + 2) - 29 a(n + 1) + 20 a(n), a(0) = 0, a(1) = 8, a(2) = 60\}$$

Sequence: A054403
Score: 6.69882
Type of gen. func.: ogf

$$\frac{4 x^{11} + 5 x^9 + 2 x^8 + 2 x^7 + 4 x^6 + 2 x^5 + 4 x^4 + 2 x^3 + 2 x^2 + x + 2}{(x + 1) (x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A054404
Score: 8.42539
Type of gen. func.: ogf

$$x (x^{17} + x^{14} + x^{11} + x^9 + x^6 + x^3 + 1) / ((x^{18} + x^{17} + x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A054405
Score: 13.4697
Type of gen. func.: ogf

$$\frac{x + 1}{(x - 1)\,(x^{3} + x^{2} - 1)}$$

Sequence: A054405
Score: 14.2642
Type of gen. func.: lgdogf

$$-\frac{3\,x^{4} + 4\,x^{3} - x^{2} - 2\,x - 2}{(x - 1)\,(x + 1)\,(x^{3} + x^{2} - 1)}$$

Sequence: A054405
Score: 6.86437
Type of gen. func.: ogf

$$(3\,f(x) - 11)\,(f(x)\,x^{4} - f(x)\,x^{2} - f(x)\,x + f(x) - x - 1)$$

Sequence: A054410
Score: 13.5227
Type of gen. func.: lgdogf

$$-\frac{4\,(x + 1)\,(3\,x^{2} + 8\,x + 3)}{(x - 1)\,(x^{4} + 8\,x^{3} + 10\,x^{2} + 8\,x + 1)}$$

Sequence: A054410
Score: 5.25161
Type of gen. func.: ogf

$$(385\,f(x) + 1179)\,(f(x)\,x^{4} - 4\,f(x)\,x^{3} - x^{4} + 6\,f(x)\,x^{2} - 8\,x^{3} - 4\,f(x)\,x - 10\,x^{2} + f(x) - 8\,x - 1)$$

Sequence: A054410
Score: 9.22087
Type of gen. func.: ogf

$$\frac{x^4 + 8 x^3 + 10 x^2 + 8 x + 1}{(x - 1)^4}$$

Sequence: A054413
Score: 19.6624
Type of gen. func.: revogf

$$\frac{-1 - 7 x + (53 x^2 + 14 x + 1)^{1/2}}{2 x}$$

Sequence: A054413
Score: 21.8246
Type of gen. func.: ogf

$$- \frac{1}{x^2 + 7 x - 1}$$

Sequence: A054413
Score: 35.3924
Type of gen. func.: lgdogf

$$- \frac{2 x + 7}{x^2 + 7 x - 1}$$

Sequence: A054413
Score: 8.37457
Type of gen. func.: ogf

$$-(51 f(x) - 2) (f(x) x^2 + 7 f(x) x - f(x) + 1)$$

Sequence: A054413
Score: 8.78307
Type of gen. func.: ogf

$$\{-a(n+2) + 7 a(n+1) + a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A054417
Score: 4.81366
Type of gen. func.: ogf

$$(2017 f(x) - 1335) (5 f(x) x^3 - 3 f(x) x^2 + 7 f(x) x + 5 x^2 - f(x) - 2 x + 1)$$

Sequence: A054417
Score: 4.98404
Type of gen. func.: ogf

$$\{a(n+3) - 7 a(n+2) + 3 a(n+1) - 5 a(n), a(0) = 1, a(1) = 5, a(2) = 37\}$$

Sequence: A054417
Score: 9.03630
Type of gen. func.: lgdogf

$$-\frac{(x-1) (25 x^3 + 5 x^2 - 9 x - 5)}{(5 x^2 - 2 x + 1) (5 x^3 - 3 x^2 + 7 x - 1)}$$

Sequence: A054417
Score: 9.23274
Type of gen. func.: ogf

$$-\frac{5 x^2 - 2 x + 1}{5 x^3 - 3 x^2 + 7 x - 1}$$

Sequence: A054418
Score: 10.7959
Type of gen. func.: ogf

$$x + 1$$

$$- \frac{}{5 x^{3} - 3 x^{2} + 7 x - 1}$$

Sequence: A054418
Score: 11.6709
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^{3} + 6 x^{2} - 3 x + 4)}{(x + 1) (5 x^{3} - 3 x^{2} + 7 x - 1)}$$

Sequence: A054418
Score: 5.06358
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 3 a(n + 1) - 5 a(n), a(0) = 1, a(1) = 8, a(2) = 53\}$$

Sequence: A054418
Score: 5.2494
Type of gen. func.: ogf

$$(8212 f(x) - 1905) (5 f(x) x^{3} - 3 f(x) x^{2} + 7 f(x) x - f(x) + x + 1)$$

Sequence: A054419
Score: 10.5113
Type of gen. func.: ogf

$$- \frac{5 x^{2} + 3}{5 x^{3} - 3 x^{2} + 7 x - 1}$$

Sequence: A054419
Score: 11.0785
Type of gen. func.: lgdogf

$$- \frac{25 x^{4} + 10 x^{2} - 8 x + 21}{(5 x^{2} + 3) (5 x^{3} - 3 x^{2} + 7 x - 1)}$$

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--------------------------------------------------------------------------------

Sequence:  A054419
Score: 5.12091
Type of gen. func.: ogf


                                 3            2                  2
    -(1686 f(x) + 5515) (5 f(x) x  - 3 f(x) x  + 7 f(x) x + 5 x  - f(x) + 3)



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Sequence:  A054419
Score: 5.20997
Type of gen. func.: ogf


 {a(n + 3) - 7 a(n + 2) + 3 a(n + 1) - 5 a(n), a(0) = 3, a(1) = 21, a(2) = 143}



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Sequence:  A054420
Score: 5.28785
Type of gen. func.: ogf


                            3            2                  2
   (82 f(x) - 335) (5 f(x) x  - 3 f(x) x  + 7 f(x) x - 5 x  - f(x) - 4 x + 1)



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Sequence:  A054420
Score: 5.33465
Type of gen. func.: ogf


  {a(n + 3) - 7 a(n + 2) + 3 a(n + 1) - 5 a(n), a(0) = 1, a(1) = 3, a(2) = 13}



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Sequence:  A054420
Score: 9.08672
Type of gen. func.: lgdogf


                              4       3       2
                          25 x  + 40 x  - 62 x  + 16 x - 3
                     - ----------------------------------------
                                             3      2
                       (5 x - 1) (x + 1) (5 x  - 3 x  + 7 x - 1)



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Sequence:  A054420
Score: 9.88221
Type of gen. func.: ogf
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$$\frac{(x + 1) (5 x - 1)}{5 x^3 - 3 x^2 + 7 x - 1}$$

Sequence: A054421
Score: 10.1691
Type of gen. func.: ogf

$$- \frac{x (3 x - 1)}{(7 x - 1) (5 x^3 - 3 x^2 + 7 x - 1)}$$

Sequence: A054421
Score: 4.87269
Type of gen. func.: ogf

$$(130231824 f(x) + 12002935)$$

$$(35 f(x) x^4 - 26 f(x) x^3 + 52 f(x) x^2 - 14 f(x) x + 3 x^2 + f(x) - x)$$

Sequence: A054421
Score: 9.75201
Type of gen. func.: lgdogf

$$- \frac{315 x^4 - 296 x^3 + 234 x^2 - 104 x + 11}{(3 x - 1) (7 x - 1) (5 x^3 - 3 x^2 + 7 x - 1)}$$

Sequence: A054441
Score: 12.8744
Type of gen. func.: lgdogf

$$\frac{-6 x^2 - 15 x + 4 + (-(4 x - 1) (2 x - 1)^2)^{1/2}}{(x^2 + 4 x - 1) (4 x - 1)}$$

Sequence: A054441
Score: 4.19019
Type of gen. func.: ogf

$$\{(4n+6)\,a(n+1) + (15n+22)\,a(n+2) + (-8n-14)\,a(n+3) + (n+2)\,a(n+4),\ a(0)=0,\ a(1)=1,\ a(2)=5,\ a(3)=23\}$$

Sequence: A054441
Score: 6.83481
Type of gen. func.: ogf

$$4x^3 f(x)^2 + 15 f(x)^2 x^2 - 8 f(x)^2 x + 8 f(x) x^2 + f(x)^2 - 2 f(x) x + x^2$$

Sequence: A054442
Score: 9.64272
Type of gen. func.: lgdogf

$$9 - 72x^2 + (-48x^3 + 12x^2 + 12x - 3) f(x) + (-8x^4 + 4x^3 + 2x^2 - x) f(x)^2$$

Sequence: A054443
Score: 8.72428
Type of gen. func.: lgdogf

$$16 - 128x^2 + (-64x^3 + 16x^2 + 16x - 4) f(x) + (-8x^4 + 4x^3 + 2x^2 - x) f(x)^2$$

Sequence: A054444
Score: 15.2297
Type of gen. func.: lgdogf

$$-\frac{2x^3 - 3x^2 + 5x - 5}{(x^2 - 3x + 1)(x^2 - x + 1)}$$

Sequence: A054444
Score: 5.02188
Type of gen. func.: ogf

(577 f(x) + 52)

4 3 2 2

$$(f(x)\, x - 6 f(x)\, x + 11 f(x)\, x - 6 f(x)\, x - x + f(x) + x - 1)$$

Sequence: A054444
Score: 9.54157
Type of gen. func.: ogf

$$\frac{x^2 - x + 1}{(x^2 - 3 x + 1)^2}$$

Sequence: A054447
Score: 14.9538
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 3 x^2 - 3}{(x^2 + x - 1)(x^2 + 2 x - 1)}$$

Sequence: A054447
Score: 4.16945
Type of gen. func.: ogf

$$\{-a(n + 4) + 4 a(n + 3) - 2 a(n + 2) - 4 a(n + 1) - a(n), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 26\}$$

Sequence: A054447
Score: 6.14832
Type of gen. func.: ogf

$$(38 f(x) - 1) (f(x)\, x^4 + 4 f(x)\, x^3 + 2 f(x)\, x^2 - 4 f(x)\, x + x^2 + f(x) + x - 1)$$

Sequence: A054447
Score: 8.64104
Type of gen. func.: ogf

$$-\frac{x^2 + x - 1}{(x^2 + 2 x - 1)^2}$$

Sequence: A054449
Score: 14.9717
Type of gen. func.: lgdogf

$$-\frac{2 (x - 1) (x^2 + 2 x + 2)}{(x^2 + x - 1) (x^2 + 2 x - 1)}$$

Sequence: A054449
Score: 6.35491
Type of gen. func.: ogf

$$-\frac{(x^2 + x - 1)^2}{(x^2 + 2 x - 1)^3}$$

Sequence: A054451
Score: 12.1440
Type of gen. func.: ogf

$$-\frac{1}{(x^2 + x - 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A054451
Score: 17.0469
Type of gen. func.: lgdogf

$$-\frac{6 x^3 + 5 x^2 - 6 x - 1}{(x - 1) (x + 1) (x^2 + x - 1)}$$

Sequence: A054452
Score: 13.9898
Type of gen. func.: ogf

$$x^2$$

$$\frac{}{(x^2 - 3 x + 1) (x - 1)^2}$$

Sequence: A054452
Score: 19.1854
Type of gen. func.: lgdogf

$$-\frac{4 x^2 - 11 x + 5}{(x - 1) (x^2 - 3 x + 1)}$$

Sequence: A054452
Score: 3.80237
Type of gen. func.: ogf

$$\{(n + 3) a(n + 1) + (-4 n - 11) a(n + 2) + (4 n + 9) a(n + 3)$$
$$+ (-2 - n) a(n + 4), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 5\}$$

Sequence: A054452
Score: 5.93169
Type of gen. func.: ogf

$$-(8 f(x) - 1) (f(x) x^4 - 5 f(x) x^3 + 8 f(x) x^2 - 5 f(x) x - x^2 + f(x))$$

Sequence: A054454
Score: 11.4927
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^3 + 2 x^2 - 3 x - 1)}{(x - 1) (x + 1) (x^2 + x - 1)}$$

Sequence: A054454
Score: 8.34054
Type of gen. func.: ogf

$$-\frac{1}{^{2}\qquad^{2}}$$

$$(x - 1)\ (x + 1)\ (x + x - 1)$$

Sequence: A054455
Score: 14.4344
Type of gen. func.: lgdogf

$$- \frac{2 x^{3} - x^{2} - 2 x - 3}{(x - 1)\ (x + 1)\ (x^{2} + x - 1)}$$

Sequence: A054455
Score: 8.29334
Type of gen. func.: ogf

$$- \frac{(x - 1)^{2}\ (x + 1)^{2}}{(x^{2} + x - 1)^{3}}$$

Sequence: A054457
Score: 28.6024
Type of gen. func.: lgdogf

$$- \frac{6\ (x + 1)}{x^{2} + 2 x - 1}$$

Sequence: A054457
Score: 3.84711
Type of gen. func.: ogf

$\{(n + 3)\ a(n + 3) + (-2 n - 10)\ a(n + 2) + (-7 - n)\ a(n + 1),\ a(0) = 1,$

$a(1) = 6,\ a(2) = 27\}$

Sequence: A054457
Score: 8.99632
Type of gen. func.: ogf

$$- \frac{1}{\quad{}^{2} \qquad\quad {}^{3}}$$

$$(x + 2 x - 1)$$

Sequence: A054459
Score: 19.6504
Type of gen. func.: lgdogf

$$-\frac{2 (x^{2} + 2 x + 3)}{(x + 1) (x^{2} + 2 x - 1)}$$

Sequence: A054459
Score: 4.93727
Type of gen. func.: ogf

$(68 f(x) + 5)$

$$(f(x) x^{4} + 4 f(x) x^{3} + 2 f(x) x^{2} - 4 f(x) x - x^{2} + f(x) - 2 x - 1)$$

Sequence: A054459
Score: 9.30212
Type of gen. func.: ogf

$$\frac{(x + 1)^{2}}{(x^{2} + 2 x - 1)^{2}}$$

Sequence: A054460
Score: 19.4108
Type of gen. func.: lgdogf

$$-\frac{3 (x^{2} + 2 x + 3)}{(x + 1) (x^{2} + 2 x - 1)}$$

Sequence: A054460
Score: 3.25091
Type of gen. func.: ogf

$\{(-n - 4) a(n + 4) + (12 + n) a(n + 3) + (12 + 3 n) a(n + 2) + (n + 4) a(n + 1)$

, a(0) = 1, a(1) = 9, a(2) = 48, a(3) = 204}

Sequence: A054460
Score: 7.02616
Type of gen. func.: ogf

$$-\frac{(x+1)^3}{(x^2+2x-1)^3}$$

Sequence: A054469
Score: 17.3416
Type of gen. func.: lgdogf

$$-\frac{6x^3+11x^2-7}{(x-1)(x+1)(x^2+x-1)}$$

Sequence: A054469
Score: 8.13106
Type of gen. func.: ogf

$$\frac{x+1}{(x^2+x-1)(x-1)^5}$$

Sequence: A054470
Score: 17.0910
Type of gen. func.: lgdogf

$$-\frac{7x^3+13x^2-8}{(x-1)(x+1)(x^2+x-1)}$$

Sequence: A054470
Score: 7.26298
Type of gen. func.: ogf

$$-\frac{x+1}{(x^2+x-1)(x-1)^6}$$

Sequence: A054473
Score: 4.98172
Type of gen. func.: ogf

$$\frac{3x^6+x^5+x^4+1}{(x^2+1)(x^2+x+1)^2(x+1)^3(x-1)^6}$$

Sequence: A054473
Score: 6.03105
Type of gen. func.: lgdogf

$$-(27x^{11}+40x^{10}+67x^9+67x^8+66x^7+45x^6+49x^5+26x^4+25x^3+13x^2+6x+1)\Big/\big((x-1)(x+1)(x^2+1)(x^2+x+1)(3x^6+x^5+x^4+1)\big)$$

Sequence: A054477
Score: 13.2654
Type of gen. func.: revogf

$$-\frac{-1-5x+(21x^2+42x+1)^{1/2}}{2(-8+x)}$$

Sequence: A054477
Score: 15.4763
Type of gen. func.: lgdogf

$$-\frac{8x^2+2x-13}{(8x+1)(x^2-5x+1)}$$

Sequence: A054477
Score: 16.8084
Type of gen. func.: ogf

$$\frac{8 x + 1}{x^2 - 5 x + 1}$$

Sequence: A054477
Score: 8.59519
Type of gen. func.: ogf

$$(63 f(x) + 106) (f(x) x^2 - 5 f(x) x + f(x) - 8 x - 1)$$

Sequence: A054477
Score: 9.11296
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - a(n), a(0) = 1, a(1) = 13\}$$

Sequence: A054479
Score: 3.93640
Type of gen. func.: ogf

$$\{(-8 n^3 - 48 n^2 - 94 n - 60) a(n + 1) + (-4 n^2 - 18 n - 20) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 0, a(2) = 6\}$$

Sequence: A054480
Score: 13.1967
Type of gen. func.: lgdogf

$$- \frac{6 x^5 - 6 x^2 - 2 x + 3}{(x - 1) (x^5 + x^4 + x^3 - x^2 - 2 x + 1)}$$

Sequence: A054480
Score: 13.7436
Type of gen. func.: ogf

$$-\frac{1}{(x-1)\,(x^5+x^4+x^3-x^2-2x+1)}$$

Sequence: A054485
Score: 14.4778
Type of gen. func.: ogf

$$\frac{1+3x}{x^2-4x+1}$$

Sequence: A054485
Score: 15.2092
Type of gen. func.: revogf

$$-\frac{-1-4x+(12x^2+20x+1)^{1/2}}{2\,(x-3)}$$

Sequence: A054485
Score: 18.2511
Type of gen. func.: lgdogf

$$-\frac{3x^2+2x-7}{(1+3x)\,(x^2-4x+1)}$$

Sequence: A054485
Score: 7.48852
Type of gen. func.: ogf

$$(26 f(x)+23)\,(f(x)\,x^2-4 f(x)\,x+f(x)-3x-1)$$

Sequence: A054485
Score: 7.94512
Type of gen. func.: ogf

$$\{-a(n+2)+4\,a(n+1)-a(n),\ a(0)=1,\ a(1)=7\}$$

Sequence: A054486
Score: 16.9113
Type of gen. func.: ogf

$$\frac{2x+1}{x^2-3x+1}$$

Sequence: A054486
Score: 18.2327
Type of gen. func.: revogf

$$-\frac{-1-3x+(5x^2+14x+1)^{1/2}}{2(x-2)}$$

Sequence: A054486
Score: 21.3583
Type of gen. func.: lgdogf

$$-\frac{2x^2+2x-5}{(2x+1)(x^2-3x+1)}$$

Sequence: A054486
Score: 8.74723
Type of gen. func.: ogf

$$(13 f(x) + 12) (f(x) x^2 - 3 f(x) x + f(x) - 2 x - 1)$$

Sequence: A054486
Score: 9.28061
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A054487
Score: 25.8579
Type of gen. func.: lgdogf

$$-\frac{2 (7 + 20 x)}{(5 x + 1) (x - 1)}$$

Sequence: A054487
Score: 4.31226
Type of gen. func.: ogf

$\{(n + 3) a(n + 3) + (-6 + 4 n) a(n + 2) + (-45 - 5 n) a(n + 1), a(0) = 1,$

$a(1) = 14, a(2) = 90\}$

Sequence: A054487
Score: 6.05299
Type of gen. func.: ogf

$$-\frac{5 x + 1}{(x - 1)^{9}}$$

Sequence: A054488
Score: 13.3959
Type of gen. func.: ogf

$$\frac{2 x + 1}{x^{2} - 6 x + 1}$$

Sequence: A054488
Score: 14.0628
Type of gen. func.: revogf

$$-\frac{-1 - 6 x + (32 x^{2} + 20 x + 1)^{1/2}}{2 (x - 2)}$$

Sequence: A054488
Score: 17.8981
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + x - 4)}{(2 x + 1) (x^2 - 6 x + 1)}$$

Sequence: A054488
Score: 7.00948
Type of gen. func.: ogf

$$(23 f(x) + 9) (f(x) x^2 - 6 f(x) x + f(x) - 2 x - 1)$$

Sequence: A054488
Score: 7.35140
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A054489
Score: 12.2492
Type of gen. func.: ogf

$$\frac{4 x + 1}{x^2 - 6 x + 1}$$

Sequence: A054489
Score: 12.8388
Type of gen. func.: revogf

$$-\frac{-1 - 6 x + (32 x^2 + 28 x + 1)^{1/2}}{2 (x - 4)}$$

Sequence: A054489
Score: 15.4066
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^2 + x - 5)}{}$$

$$(4 x + 1) (x^2 - 6 x + 1)$$

Sequence: A054489
Score: 6.3358
Type of gen. func.: ogf

$$(29 f(x) + 21) (f(x) x^2 - 6 f(x) x + f(x) - 4 x - 1)$$

Sequence: A054489
Score: 6.64113
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A054490
Score: 12.8388
Type of gen. func.: revogf

$$- \frac{-1 - 6 x + (32 x^2 + 32 x + 1)^{1/2}}{2 (-5 + x)}$$

Sequence: A054490
Score: 14.9787
Type of gen. func.: lgdogf

$$- \frac{5 x^2 + 2 x - 11}{(5 x + 1) (x^2 - 6 x + 1)}$$

Sequence: A054490
Score: 15.0431
Type of gen. func.: ogf

$$\frac{5 x + 1}{x^2 - 6 x + 1}$$

Sequence: A054490
Score: 7.7809
Type of gen. func.: ogf

$$(64 f(x) + 57) (f(x) x^2 - 6 f(x) x + f(x) - 5 x - 1)$$

Sequence: A054490
Score: 8.15588
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - a(n), a(0) = 1, a(1) = 11\}$$

Sequence: A054491
Score: 14.2659
Type of gen. func.: ogf

$$\frac{2 x + 1}{x^2 - 4 x + 1}$$

Sequence: A054491
Score: 14.9822
Type of gen. func.: revogf

$$- \frac{-1 - 4 x + (12 x^2 + 16 x + 1)^{1/2}}{2 (x - 2)}$$

Sequence: A054491
Score: 19.0683
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 + x - 3)}{(2 x + 1) (x^2 - 4 x + 1)}$$

Sequence: A054491
Score: 7.46473
Type of gen. func.: ogf

$$(11 f(x) + 7) (f(x) x^2 - 4 f(x) x + f(x) - 2 x - 1)$$

Sequence: A054491
Score: 7.82885
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A054492
Score: 14.6217
Type of gen. func.: revogf

$$- \frac{-1 - 3 x + (5 x^2 + 18 x + 1)^{1/2}}{2 (x - 3)}$$

Sequence: A054492
Score: 17.0610
Type of gen. func.: ogf

$$\frac{1 + 3 x}{x^2 - 3 x + 1}$$

Sequence: A054492
Score: 17.1283
Type of gen. func.: lgdogf

$$- \frac{3 x^2 + 2 x - 6}{(1 + 3 x) (x^2 - 3 x + 1)}$$

Sequence: A054492
Score: 9.03228
Type of gen. func.: ogf

$$(4 f(x) + 5) (f(x) x^2 - 3 f(x) x + f(x) - 3 x - 1)$$

Sequence: A054492
Score: 9.36273
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A054493
Score: 13.3258
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 3 x^2 - 12 x + 7}{(x - 1) (x + 1) (x^2 - 5 x + 1)}$$

Sequence: A054493
Score: 13.9115
Type of gen. func.: ogf

$$-\frac{x + 1}{(x - 1) (x^2 - 5 x + 1)}$$

Sequence: A054493
Score: 6.52485
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 6 a(n + 1) - a(n), a(0) = 1, a(1) = 7, a(2) = 36\}$$

Sequence: A054493
Score: 6.7028
Type of gen. func.: ogf

$$(19481 f(x) - 2157) (f(x) x^3 - 6 f(x) x^2 + 6 f(x) x - f(x) + x + 1)$$

Sequence: A054497
Score: 32.7047
Type of gen. func.: lgdogf

$$-\frac{7 + 13 x}{(x - 1) (x + 1)}$$

Sequence: A054497
Score: 36.6378
Type of gen. func.: ogf_with_Euler_transform]

[3 x + 7]

Sequence: A054497
Score: 5.70754
Type of gen. func.: ogf

{(n + 3) a(n + 3) - 7 a(n + 2) + (-14 - n) a(n + 1), a(0) = 1, a(1) = 7,

a(2) = 31}

Sequence: A054497
Score: 5.92538
Type of gen. func.: ogf

$$\frac{1}{(x + 1)^{3} (x - 1)^{10}}$$

Sequence: A054498
Score: 31.7865
Type of gen. func.: lgdogf

$$-\frac{4 (4 x + 1)}{(x - 1) (x + 1)}$$

Sequence: A054498
Score: 37.2787
Type of gen. func.: ogf_with_Euler_transform]

[4 + 6 x]

Sequence: A054498
Score: 5.40608
Type of gen. func.: ogf

$$\frac{1}{(x+1)^{6}\,(x-1)^{10}}$$

Sequence: A054498
Score: 5.80359
Type of gen. func.: ogf

$\{(n + 3) a(n + 3) - 4 a(n + 2) + (-17 - n) a(n + 1), a(0) = 1, a(1) = 4,$

$a(2) = 16\}$

Sequence: A054516
Score: 25.1504
Type of gen. func.: lgdegf]

$$\frac{x^{2} + 3 x + 1}{(x + 2) (x + 1)}$$

Sequence: A054516
Score: 3.39510
Type of gen. func.: ogf

$\{(-n^{2} - 6 n - 8) a(n + 1) + (n^{2} + 4 n + 2) a(n + 2) + (n + 2) a(n + 3),$

$a(0) = 0, a(1) = 2, a(2) = 2\}$

Sequence: A054549
Score: 12.7879
Type of gen. func.: lgdogf

$$279 + 651 x + (31 x^{2} + 42 x - 13) f(x) + (2 x^{2} - 2) f(x)^{2}$$

Sequence: A054549
Score: 37.0403
Type of gen. func.: ogf_with_Euler_transform]

$$[9 + 6 x]$$

Sequence: A054549
Score: 5.77704
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) - 9 a(n + 2) + (-22 - n) a(n + 1), a(0) = 1, a(1) = 9, a(2) = 51\}$$

Sequence: A054552
Score: 13.4440
Type of gen. func.: ogf

$$-\frac{8 x^2 - x + 1}{(x - 1)^3}$$

Sequence: A054552
Score: 23.6671
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^2 + 7 x + 1)}{(x - 1) (8 x^2 - x + 1)}$$

Sequence: A054552
Score: 6.66733
Type of gen. func.: ogf

$$-(13504 f(x) - 32809) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 8 x^2 - f(x) - x + 1)$$

Sequence: A054552
Score: 7.25736
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 11\}$$

Sequence: A054554
Score: 14.3874
Type of gen. func.: ogf

$$-\frac{7x^2+1}{(x-1)^3}$$

Sequence: A054554
Score: 25.9575
Type of gen. func.: lgdogf

$$-\frac{7x^2+14x+3}{(x-1)(7x^2+1)}$$

Sequence: A054554
Score: 7.25736
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 3, a(2) = 13}

Sequence: A054554
Score: 7.45529
Type of gen. func.: ogf

$$(72 f(x) - 167) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 7 x^2 - f(x) + 1)$$

Sequence: A054556
Score: 13.1178
Type of gen. func.: ogf

$$-\frac{6x^2+x+1}{(x-1)^3}$$

Sequence: A054556

Score: 23.0844
Type of gen. func.: lgdogf

$$-\frac{2\,(x+2)\,(1+3\,x)}{(x-1)\,(6\,x^{2}+x+1)}$$

Sequence: A054556
Score: 6.72425
Type of gen. func.: ogf

$$(19136\,f(x)-43611)\,(f(x)\,x^{3}-3\,f(x)\,x^{2}+3\,f(x)\,x+6\,x^{2}-f(x)+x+1)$$

Sequence: A054556
Score: 7.08129
Type of gen. func.: ogf

$$\{a(n+3)-3\,a(n+2)+3\,a(n+1)-a(n),\ a(0)=1,\ a(1)=4,\ a(2)=15\}$$

Sequence: A054557
Score: 23.5162
Type of gen. func.: lgdogf

$$-\frac{67+360\,x}{(60\,x+1)\,(x-1)}$$

Sequence: A054557
Score: 3.82799
Type of gen. func.: ogf

$$\{(n+3)\,a(n+3)+(51+59\,n)\,a(n+2)+(-420-60\,n)\,a(n+1),\ a(0)=72,$$
$$a(1)=4824,\ a(2)=32256\}$$

Sequence: A054557
Score: 6.70928
Type of gen. func.: ogf

$$-\frac{72\,(60\,x+1)}{(x-1)^{7}}$$

Sequence: A054558
Score: 14.9266
Type of gen. func.: lgdogf

$$-\frac{2\,(75x^2-143x+96)}{(x-1)\,(25x^2-48x+30)}$$

Sequence: A054558
Score: 5.84712
Type of gen. func.: ogf

$$\frac{5\,(25x^2-48x+30)}{(x-1)^8}$$

Sequence: A054559
Score: 5.23732
Type of gen. func.: ogf

$$\{(-2-n)\,a(n+2)+(7+n)\,a(n+1),\ a(0)=30,\ a(1)=180\}$$

Sequence: A054559
Score: 68.4201
Type of gen. func.: lgdogf

$$-\frac{6}{x-1}$$

Sequence: A054559
Score: 8.12164
Type of gen. func.: ogf

$$\frac{30}{(x-1)^6}$$

Sequence: A054563
Score: 21.9858
Type of gen. func.: lgdogf

$$-\frac{5\,(x^2+4\,x+9)}{(x-1)\,(x^2+3\,x+6)}$$

Sequence: A054563
Score: 3.71977
Type of gen. func.: ogf

$$\{(-11\,n^2+174\,n+872)\,a(n+1)+(-273\,n^2-2862\,n-4755)\,a(n+2)$$
$$+(284\,n^2+918\,n+634)\,a(n+3),\ a(0)=0,\ a(1)=0,\ a(2)=6\}$$

Sequence: A054563
Score: 6.76645
Type of gen. func.: ogf

$$-\frac{x^2\,(x^2+3\,x+6)}{(x-1)^7}$$

Sequence: A054567
Score: 13.1806
Type of gen. func.: ogf

$$-\frac{4\,x^2+3\,x+1}{(x-1)^3}$$

Sequence: A054567
Score: 21.9083
Type of gen. func.: lgdogf

$$-\frac{2\,(x+3)\,(2\,x+1)}{(x-1)\,(4\,x^2+3\,x+1)}$$

Sequence: A054567
Score: 6.75643
Type of gen. func.: ogf

$$(26304 f(x) - 65629) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) + 3 x + 1)$$

Sequence: A054567
Score: 7.11517
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 6, a(2) = 19\}$$

Sequence: A054569
Score: 13.1806
Type of gen. func.: ogf

$$- \frac{(x + 1) (1 + 3 x)}{(x - 1)^3}$$

Sequence: A054569
Score: 22.5343
Type of gen. func.: lgdogf

$$- \frac{3 x^2 + 14 x + 7}{(x - 1) (1 + 3 x) (x + 1)}$$

Sequence: A054569
Score: 6.64475
Type of gen. func.: ogf

$$-(1528 f(x) - 4615) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) + 4 x + 1)$$

Sequence: A054569
Score: 7.11517
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 7, a(2) = 21}

Sequence: A054602
Score: 11.1034
Type of gen. func.: ogf

$$\frac{3 (x^2 + 1) x}{(x - 1)^4}$$

Sequence: A054602
Score: 24.7105
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^3 + x + 4]$$

Sequence: A054602
Score: 27.3358
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + x + 2)}{(x - 1) (x^2 + 1)}$$

Sequence: A054602
Score: 7.00701
Type of gen. func.: ogf

$$f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 3 x^3 - 4 f(x) x + f(x) - 3 x$$

Sequence: A054603
Score: 19.6422
Type of gen. func.: lgdogf

```
                2
   6 (2 x  + 2 x + 1)
 - ----------------------
                    2
```

$$(x - 1) (4 x + x + 1)$$

Sequence: A054603
Score: 3.72705
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) - 6 a(n + 3) + (-9 + 3 n) a(n + 2) + (-12 - 4 n) a(n + 1),$$
$$a(0) = 0, a(1) = 4, a(2) = 24, a(3) = 96\}$$

Sequence: A054603
Score: 8.07527
Type of gen. func.: ogf

$$-\frac{4 x (4 x^2 + x + 1)}{(x - 1)^5}$$

Sequence: A054604
Score: 11.5871
Type of gen. func.: lgdogf

$$-\frac{2 (x^4 + 5 x^3 + 39 x^2 + 23 x + 4)}{(x - 1) (x^4 + 2 x^3 + 18 x^2 + 2 x + 1)}$$

Sequence: A054604
Score: 6.25086
Type of gen. func.: ogf

$$\frac{5 x (x^4 + 2 x^3 + 18 x^2 + 2 x + 1)}{(x - 1)^6}$$

Sequence: A054605
Score: 5.46627
Type of gen. func.: ogf

$$6 x (10 x^4 + 49 x^3 + 53 x^2 + 7 x + 1)$$

$$-\frac{}{(x-1)^7}$$

Sequence: A054605
Score: 9.60093
Type of gen. func.: lgdogf

$$-\frac{2\,(15\,x^4+118\,x^3+206\,x^2+74\,x+7)}{(x-1)\,(10\,x^4+49\,x^3+53\,x^2+7\,x+1)}$$

Sequence: A054606
Score: 4.09200
Type of gen. func.: ogf

$$\frac{7\,x\,(x^6+12\,x^5+183\,x^4+328\,x^3+183\,x^2+12\,x+1)}{(x-1)^8}$$

Sequence: A054606
Score: 6.16542
Type of gen. func.: lgdogf

$$-\frac{2\,(x^6+21\,x^5+396\,x^4+1186\,x^3+1041\,x^2+225\,x+10)}{(x-1)\,(x^6+12\,x^5+183\,x^4+328\,x^3+183\,x^2+12\,x+1)}$$

Sequence: A054607
Score: 3.77726
Type of gen. func.: ogf

$$-\frac{8\,x\,(34\,x^6+525\,x^5+1971\,x^4+1936\,x^3+546\,x^2+27\,x+1)}{(x-1)^9}$$

Sequence: A054607
Score: 5.78640
Type of gen. func.: lgdogf

$$-\frac{6\,(17\,x^{6}+384\,x^{5}+2080\,x^{4}+3250\,x^{3}+1605\,x^{2}+218\,x+6)}{(x-1)\,(34\,x^{6}+525\,x^{5}+1971\,x^{4}+1936\,x^{3}+546\,x^{2}+27\,x+1)}$$

Sequence: A054608
Score: 5.30166
Type of gen. func.: ogf

$$9\,x\,(x^{8}+50\,x^{7}+1640\,x^{6}+9774\,x^{5}+17390\,x^{4}+9774\,x^{3}+1640\,x^{2}+50\,x+1) \Big/ (x-1)^{10}$$

Sequence: A054620
Score: 10.8171
Type of gen. func.: lgdogf

$$-\frac{2\,(x^{4}+5\,x^{3}+39\,x^{2}+23\,x+4)}{(x-1)\,(x^{4}+2\,x^{3}+18\,x^{2}+2\,x+1)}$$

Sequence: A054620
Score: 6.04886
Type of gen. func.: ogf

$$\frac{x\,(x^{4}+2\,x^{3}+18\,x^{2}+2\,x+1)}{(x-1)^{6}}$$

Sequence: A054621
Score: 5.18564
Type of gen. func.: ogf

$$\frac{x\,(x^{6}+12\,x^{5}+183\,x^{4}+328\,x^{3}+183\,x^{2}+12\,x+1)}{(x-1)^{8}}$$

Sequence: A054621
Score: 6.78943
Type of gen. func.: lgdogf

$$-\frac{2 (x^6 + 21 x^5 + 396 x^4 + 1186 x^3 + 1041 x^2 + 225 x + 10)}{(x - 1) (x^6 + 12 x^5 + 183 x^4 + 328 x^3 + 183 x^2 + 12 x + 1)}$$

Sequence: A054622
Score: 4.07725
Type of gen. func.: ogf

$$-\frac{x (34 x^6 + 525 x^5 + 1971 x^4 + 1936 x^3 + 546 x^2 + 27 x + 1)}{(x - 1)^9}$$

Sequence: A054622
Score: 6.02808
Type of gen. func.: lgdogf

$$-\frac{6 (17 x^6 + 384 x^5 + 2080 x^4 + 3250 x^3 + 1605 x^2 + 218 x + 6)}{(x - 1) (34 x^6 + 525 x^5 + 1971 x^4 + 1936 x^3 + 546 x^2 + 27 x + 1)}$$

Sequence: A054623
Score: 3.22862
Type of gen. func.: ogf

$$x (x^8 + 50 x^7 + 1640 x^6 + 9774 x^5 + 17390 x^4 + 9774 x^3 + 1640 x^2 + 50 x + 1) \Big/ (x - 1)^{10}$$

Sequence: A054624
Score: 3.23436
Type of gen. func.: ogf

$$- x (100 x^8 + 4783 x^7 + 45547 x^6 + 130963 x^5 + 131119 x^4 + 45469 x^3 + 4801 x^2$$

$$+ 97 x + 1) \bigg/ (x - 1)^{11}$$

Sequence: A054644
Score: 3.92815
Type of gen. func.: ogf

$$\frac{x^5 + 10 x^4 + 65 x^3 + 120 x^2 + 80 x + 4}{(x - 1)^{10}}$$

Sequence: A054644
Score: 7.74650
Type of gen. func.: lgdogf

$$- \frac{5 (x^5 + 13 x^4 + 99 x^3 + 231 x^2 + 192 x + 24)}{(x - 1) (x^5 + 10 x^4 + 65 x^3 + 120 x^2 + 80 x + 4)}$$

Sequence: A054648
Score: 4.30010
Type of gen. func.: ogf

$$- \frac{30 (89 x^4 - 391 x^3 + 401 x^2 + 309 x + 12)}{(x - 1)^{11}}$$

Sequence: A054648
Score: 9.73652
Type of gen. func.: lgdogf

$$- \frac{7 (89 x^4 - 396 x^3 + 348 x^2 + 556 x + 63)}{(x - 1) (89 x^4 - 391 x^3 + 401 x^2 + 309 x + 12)}$$

Sequence: A054652
Score: 4.66881
Type of gen. func.: egf]

$\{(-n^2 - 4 n - 4) a(n + 1) + (2 n + 6) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 2,$

$a(2) = 7\}$

Sequence: A054668
Score: 12.4745
Type of gen. func.: ogf

$$\frac{x^4 + 1}{(x - 1) (x^3 + x^2 + x - 1)}$$

Sequence: A054668
Score: 14.2265
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^4 - 1)}{(x - 1) (x^3 + x^2 + x - 1) (x^4 + 1)}$$

Sequence: A054668
Score: 9.12313
Type of gen. func.: ogf

$$f(x) x^4 - x^4 - 2 f(x) x + f(x) - 1$$

Sequence: A054726
Score: 9.32709
Type of gen. func.: lgdogf

$$- \frac{-3 + 36 x - 12 x^2 + ((4 x^2 - 12 x + 1) (-1 + 18 x)^2)^{1/2}}{2 (1 + 3 x) (4 x^2 - 12 x + 1)}$$

Sequence: A054726
Score: 9.73225
Type of gen. func.: ogf

$$-2 f(x) x^2 - f(x)^2 + 3 f(x) x + 2 f(x) - 3 x - 1$$

Sequence: A054727
Score: 17.4579
Type of gen. func.: revogf

$$\frac{(1 + (1 - 4 x)^{1/2}) x}{2 (x + 1)}$$

Sequence: A054727
Score: 8.26294
Type of gen. func.: ogf

$$f(x)^3 x + f(x)^2 x^2 - f(x)^2 x + 2 f(x) x - f(x) + 1$$

Sequence: A054761
Score: 10.9103
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (x^9 + x^8 + x^7 + x^6 - x^5 - x^4 - 3 x^3 + 3 x - 1)}$$

Sequence: A054761
Score: 8.39377
Type of gen. func.: lgdogf

$$- \frac{10 x^9 - 12 x^5 - 8 x^3 + 9 x^2 + 6 x - 4}{(x - 1) (x^9 + x^8 + x^7 + x^6 - x^5 - x^4 - 3 x^3 + 3 x - 1)}$$

Sequence: A054765
Score: 3.68984
Type of gen. func.: ogf

$\{(-n^2 - 4 n - 4) a(n + 1) + (-2 n - 5) a(n + 2) + a(n + 3), a(0) = 0, a(1) = 1,$

$a(2) = 3\}$

Sequence: A054776
Score: 18.5360
Type of gen. func.: lgdogf

$$-\frac{4 (5 x^2 + 17 x + 5)}{(x - 1) (10 x^2 + 16 x + 1)}$$

Sequence: A054776
Score: 3.59550
Type of gen. func.: ogf

$\{(n + 3) a(n + 4) + (10 + 15 n) a(n + 3) + (-74 - 6 n) a(n + 2)$

$+ (-20 - 10 n) a(n + 1), a(0) = 0, a(1) = 6, a(2) = 120, a(3) = 504\}$

Sequence: A054776
Score: 5.02386
Type of gen. func.: ogf

$-(1053 f(x) + 39106)$

$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 60 x^3 - 4 f(x) x - 96 x^2 + f(x) - 6 x)$

Sequence: A054776
Score: 9.77977
Type of gen. func.: ogf

$$\frac{6 x (10 x^2 + 16 x + 1)}{(x - 1)^4}$$

Sequence: A054777
Score: 12.0488
Type of gen. func.: lgdogf

$$- \frac{10 (7 x + 1) (7 + x) (x + 1)}{}$$

$$(x - 1) (35 x^3 + 155 x^2 + 65 x + 1)$$

Sequence: A054777
Score: 3.34207
Type of gen. func.: ogf

$$\{(-124 n^2 - 473 n - 450) a(n + 1) + (168 n^2 + 294 n + 756) a(n + 2) + (-44 n^2 - 141 n - 106) a(n + 3), a(0) = 0, a(1) = 24, a(2) = 1680\}$$

Sequence: A054777
Score: 6.48362
Type of gen. func.: ogf

$$- \frac{24 x (35 x^3 + 155 x^2 + 65 x + 1)}{(x - 1)^5}$$

Sequence: A054778
Score: 5.63607
Type of gen. func.: ogf

$$\frac{120 x (126 x^4 + 1246 x^3 + 1506 x^2 + 246 x + 1)}{(x - 1)^6}$$

Sequence: A054778
Score: 7.24519
Type of gen. func.: lgdogf

$$- \frac{6 (42 x^4 + 707 x^3 + 1627 x^2 + 707 x + 42)}{(x - 1) (126 x^4 + 1246 x^3 + 1506 x^2 + 246 x + 1)}$$

Sequence: A054779
Score: 4.52775
Type of gen. func.: ogf

$$-\frac{720 x (462 x^5 + 9142 x^4 + 24017 x^3 + 12117 x^2 + 917 x + 1)}{(x - 1)^7}$$

Sequence: A054779
Score: 5.57216
Type of gen. func.: lgdogf

$$-\frac{84 (x + 1) (11 x^4 + 343 x^3 + 1236 x^2 + 343 x + 11)}{(x - 1) (462 x^5 + 9142 x^4 + 24017 x^3 + 12117 x^2 + 917 x + 1)}$$

Sequence: A054842
Score: 7.11200
Type of gen. func.: ogf

$$-\frac{(2 x + 1) (16 x^4 + 8 x^3 + 4 x^2 + 2 x + 1) (16 x^4 - 8 x^3 + 4 x^2 - 2 x + 1)}{3 x^{10} - 1}$$

Sequence: A054849
Score: 48.6001
Type of gen. func.: lgdogf

$$-\frac{12}{2 x - 1}$$

Sequence: A054849
Score: 5.62022
Type of gen. func.: ogf

$\{(-2 - n) a(n + 2) + (14 + 2 n) a(n + 1), a(0) = 1, a(1) = 12\}$

Sequence: A054849
Score: 8.05058
Type of gen. func.: ogf

1

$$\frac{}{(2x-1)^6}$$

Sequence: A054851
Score: 48.9415
Type of gen. func.: lgdogf

$$-\frac{16}{2x-1}$$

Sequence: A054851
Score: 5.65719
Type of gen. func.: ogf

$$\{(-2-n)\,a(n+2)+(18+2n)\,a(n+1),\ a(0)=1,\ a(1)=16\}$$

Sequence: A054851
Score: 5.99662
Type of gen. func.: ogf

$$\frac{1}{(2x-1)^8}$$

Sequence: A054854
Score: 13.0773
Type of gen. func.: ogf

$$-\frac{x-1}{2x^3-3x^2-2x+1}$$

Sequence: A054854
Score: 14.7776
Type of gen. func.: lgdogf

$$-\frac{4x^3-9x^2+6x+1}{(x-1)(2x^3-3x^2-2x+1)}$$

Sequence: A054854
Score: 6.18838
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 1, a(2) = 5\}$$

Sequence: A054854
Score: 6.3009
Type of gen. func.: ogf

$$-(215 f(x) - 12) (2 f(x) x^3 - 3 f(x) x^2 - 2 f(x) x + f(x) + x - 1)$$

Sequence: A054855
Score: 4.82831
Type of gen. func.: ogf

$$(52232 f(x) + 4371)$$

$$(3 f(x) x^4 + 2 f(x) x^3 - 7 f(x) x^2 - 2 f(x) x + x^2 + f(x) + x - 1)$$

Sequence: A054855
Score: 9.06727
Type of gen. func.: lgdogf

$$-\frac{6 x^5 + 11 x^4 - 8 x^3 - 11 x^2 + 12 x + 1}{(x^2 + x - 1) (3 x^4 + 2 x^3 - 7 x^2 - 2 x + 1)}$$

Sequence: A054855
Score: 9.51670
Type of gen. func.: ogf

$$-\frac{x^2 + x - 1}{3 x^4 + 2 x^3 - 7 x^2 - 2 x + 1}$$

Sequence: A054856
Score: 10.9681
Type of gen. func.: ogf

$$-\frac{x-1}{(x+1)(x^4-3x+1)}$$

Sequence: A054856
Score: 11.7120
Type of gen. func.: lgdogf

$$-\frac{4x^5-2x^4-4x^3-3x^2+6x+1}{(x-1)(x+1)(x^4-3x+1)}$$

Sequence: A054857
Score: 5.80213
Type of gen. func.: ogf

$$-\frac{x^3+x^2+x-1}{x^8+3x^7+2x^6+5x^5+x^4-6x^3-7x^2-2x+1}$$

Sequence: A054858
Score: 5.74413
Type of gen. func.: lgdogf

$$\frac{4x^9+14x^8+22x^7+19x^6+11x^4-6x^3+x^2+12x+7}{(x-1)(x^3+x^2+x-1)(x^6+4x^5+6x^4+11x^3+12x^2+7x+1)}$$

Sequence: A054858
Score: 6.39198
Type of gen. func.: ogf

$$\frac{(x-1)(x^6+4x^5+6x^4+11x^3+12x^2+7x+1)}{x^3+x^2+x-1}$$

Sequence: A054861
Score: 7.19335
Type of gen. func.: ogf

$$\frac{x^{3} (3 x^{24} + x^{21} + x^{18} + 2 x^{15} + x^{12} + x^{9} + 2 x^{6} + x^{3} + 1)}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x^{18} + x^{9} + 1) (x - 1)^{2}}$$

Sequence: A054872
Score: 22.0952
Type of gen. func.: revogf

$$\frac{(2 + (1 - 4 x)^{1/2}) x}{4 x + 3}$$

Sequence: A054872
Score: 28.4081
Type of gen. func.: lgdogf

$$\frac{2}{(4 x^{2} - 8 x + 1)^{1/2}}$$

Sequence: A054872
Score: 4.71420
Type of gen. func.: ogf

$$\{-4 a(n + 1) n + (8 n + 12) a(n + 2) + (-n - 3) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A054872
Score: 8.93711
Type of gen. func.: ogf

$$4 f(x) x^{2} + f(x)^{2} - 4 f(x) x - x^{2} - 2 f(x) + 4 x + 1$$

Sequence: A054873
Score: 8.07939
Type of gen. func.: lgdegf]

$$-8 + (12 - 12 x) f(x) + (-6 x^2 + 12 x - 6) f(x)^2 + (-x^3 + 3 x^2 - 3 x + 1) f(x)^3$$

Sequence: A054877
Score: 10.8334
Type of gen. func.: ogf

$$-\frac{x^2 + x - 1}{(2 x - 1) (x^2 - x - 1)}$$

Sequence: A054877
Score: 12.8205
Type of gen. func.: lgdogf

$$-\frac{2 x (x^3 + 2 x^2 - 4 x + 2)}{(2 x - 1) (x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A054877
Score: 5.74643
Type of gen. func.: ogf

$$-(7 f(x) - 3) (2 f(x) x^3 - 3 f(x) x^2 - f(x) x + x^2 + f(x) + x - 1)$$

Sequence: A054877
Score: 5.95351
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 0, a(2) = 2\}$$

Sequence: A054878
Score: 10.2014
Type of gen. func.: ogf

2

$$3 f(x) x + 2 f(x) x - f(x) - 2 x + 1$$

Sequence: A054878
Score: 14.2820
Type of gen. func.: ogf

$$\frac{2 x - 1}{(x + 1) (3 x - 1)}$$

Sequence: A054878
Score: 15.0667
Type of gen. func.: revogf

$$\frac{-1 - 2 x + (16 x^2 - 4 x + 1)^{1/2}}{2 (-2 + 3 x)}$$

Sequence: A054878
Score: 19.1758
Type of gen. func.: lgdogf

$$- \frac{6 x (x - 1)}{(3 x - 1) (2 x - 1) (x + 1)}$$

Sequence: A054878
Score: 7.93443
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 0\}$$

Sequence: A054879
Score: 10.0487
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 9 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A054879
Score: 18.1313
Type of gen. func.: ogf

$$-\frac{7x-1}{(x-1)(9x-1)}$$

Sequence: A054879
Score: 19.1046
Type of gen. func.: revogf

$$-\frac{-1-10x+(64x^2-8x+1)^{1/2}}{2(7+9x)}$$

Sequence: A054879
Score: 21.0641
Type of gen. func.: lgdogf

$$-\frac{3(21x^2-6x+1)}{(x-1)(7x-1)(9x-1)}$$

Sequence: A054879
Score: 9.06567
Type of gen. func.: ogf

$$-(40f(x)-31)(9f(x)x^2-10f(x)x+f(x)+7x-1)$$

Sequence: A054880
Score: 10.5536
Type of gen. func.: ogf

$$\{a(n+2)-10a(n+1)+9a(n), a(0)=0, a(1)=6\}$$

Sequence: A054880
Score: 14.4233
Type of gen. func.: ogf

$$-9f(x)x^2+10f(x)x-f(x)+6x$$

Sequence: A054880
Score: 19.9067
Type of gen. func.: revogf

$$-\frac{-3 - 5x + (2x+3)^{1/2} (8x+3)^{1/2}}{9x}$$

Sequence: A054880
Score: 22.7736
Type of gen. func.: ogf

$$\frac{6x}{(x-1)(9x-1)}$$

Sequence: A054880
Score: 34.2396
Type of gen. func.: lgdogf

$$-\frac{2(-5+9x)}{(9x-1)(x-1)}$$

Sequence: A054881
Score: 11.2731
Type of gen. func.: ogf

$$\frac{4x^2 + 2x - 1}{(2x+1)(4x-1)}$$

Sequence: A054881
Score: 14.6985
Type of gen. func.: lgdogf

$$-\frac{8x(x-1)}{(4x-1)(2x+1)(4x^2+2x-1)}$$

Sequence: A054881

Score: 5.91557
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 8 a(n + 1), a(0) = 1, a(1) = 0, a(2) = 4\}$$

Sequence: A054881
Score: 8.41513
Type of gen. func.: ogf

$$8 f(x) x^2 + 2 f(x) x - 4 x^2 - f(x) - 2 x + 1$$

Sequence: A054882
Score: 5.91699
Type of gen. func.: ogf

$$\frac{6 x^5 - 10 x^4 - 10 x^3 + 7 x^2 + 2 x - 1}{(x - 1) (3 x - 1) (2 x + 1) (5 x^2 - 1)}$$

Sequence: A054883
Score: 11.1978
Type of gen. func.: ogf

$$- \frac{6 x^5}{(x - 1) (3 x - 1) (2 x + 1) (5 x^2 - 1)}$$

Sequence: A054883
Score: 9.73627
Type of gen. func.: lgdogf

$$- \frac{2 (75 x^4 - 50 x^3 - 24 x^2 + 10 x + 1)}{(x - 1) (3 x - 1) (2 x + 1) (5 x^2 - 1)}$$

Sequence: A054884
Score: 3.75189
Type of gen. func.: ogf

$$-(4 f(x) + 3) (25 f(x) x^4 + 20 f(x) x^3 - 10 f(x) x^2 - 10 x^3 - 4 f(x) x + 5 x^2 + f(x) + 4 x - 1)$$

Sequence: A054884
Score: 6.21802
Type of gen. func.: lgdogf

$$- \frac{10 x (25 x^5 - 25 x^4 - 30 x^3 + 2 x^2 + 5 x - 1)}{(5 x - 1) (x + 1) (5 x^2 - 1) (10 x^3 - 5 x^2 - 4 x + 1)}$$

Sequence: A054884
Score: 6.71633
Type of gen. func.: ogf

$$\frac{10 x^3 - 5 x^2 - 4 x + 1}{(x + 1) (5 x - 1) (5 x^2 - 1)}$$

Sequence: A054885
Score: 10.9133
Type of gen. func.: lgdogf

$$- \frac{4 (25 x^3 + 15 x^2 - 5 x - 1)}{(5 x^2 - 1) (5 x - 1) (x + 1)}$$

Sequence: A054885
Score: 5.22176
Type of gen. func.: ogf

$$25 f(x) x^4 + 20 f(x) x^3 - 10 f(x) x^2 - 10 x^3 - 4 f(x) x + f(x)$$

Sequence: A054885
Score: 9.43581
Type of gen. func.: ogf

$$\frac{10\,x^{3}}{(x + 1)\,(5\,x - 1)\,(5\,x^{2} - 1)}$$

Sequence: A054886
Score: 11.9255
Type of gen. func.: ogf

$$-\frac{(x^{2} + x + 1)\,(x + 1)}{x^{2} + x - 1}$$

Sequence: A054886
Score: 14.2624
Type of gen. func.: lgdogf

$$\frac{x^{4} + 2\,x^{3} - 3\,x^{2} - 6\,x - 3}{(x + 1)\,(x^{2} + x + 1)\,(x^{2} + x - 1)}$$

Sequence: A054886
Score: 6.32570
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3) - a(n + 2),\ a(0) = 1,\ a(1) = 3,\ a(2) = 6,\ a(3) = 10\}$$

Sequence: A054886
Score: 7.9171
Type of gen. func.: ogf

$$(10\,f(x) - 1)\,(f(x)\,x^{2} + x^{3} + f(x)\,x + 2\,x^{2} - f(x) + 2\,x + 1)$$

Sequence: A054887
Score: 3.53256
Type of gen. func.: ogf

$$(x^{2} + x + 1)\,(x^{4} + x^{3} + x^{2} + x + 1)\,(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)$$

$$\overline{x^{12} - 2 x^9 - 2 x^8 - 4 x^7 - 3 x^6 - 4 x^5 - 2 x^4 - 2 x^3 + 1}$$

Sequence: A054888
Score: 11.4956
Type of gen. func.: ogf

$$\frac{(x + 1)^2}{x^2 - 3 x + 1}$$

Sequence: A054888
Score: 22.9320
Type of gen. func.: lgdogf

$$- \frac{5 (x - 1)}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A054888
Score: 5.91519
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 5, a(2) = 15\}$$

Sequence: A054888
Score: 8.58118
Type of gen. func.: ogf

$$-f(x) x^2 + 3 f(x) x + x^2 - f(x) + 2 x + 1$$

Sequence: A054889
Score: 4.1592
Type of gen. func.: ogf

$$-(2 f(x) + 3) (f(x) x^4 - 3 f(x) x^3 - x^4 - f(x) x^2 - 2 x^3 - 3 f(x) x - 4 x^2$$

$$+ f(x) - 2 x - 1)$$

Sequence: A054890
Score: 10.1742
Type of gen. func.: ogf

$$\frac{x^2 + x + 1}{x^2 - 6 x + 1}$$

Sequence: A054890
Score: 14.6458
Type of gen. func.: lgdogf

$$- \frac{7 (x - 1) (x + 1)}{(x^2 + x + 1) (x^2 - 6 x + 1)}$$

Sequence: A054890
Score: 5.23525
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 7, a(2) = 42\}$$

Sequence: A054890
Score: 7.59481
Type of gen. func.: ogf

$$-f(x) x^2 + 6 f(x) x + x^2 - f(x) + x + 1$$

Sequence: A054894
Score: 11.8519
Type of gen. func.: lgdogf

$$- \frac{2 (x^5 + 5 x^4 + 6 x^3 - 8 x^2 + 3 x + 1)}{(x^2 + 2 x - 1) (x^4 + 4 x^3 - 4 x^2 - 4 x + 1)}$$

Sequence: A054894

Score: 12.0408
Type of gen. func.: ogf

$$-\frac{x^2+2x-1}{x^4+4x^3-4x^2-4x+1}$$

Sequence: A054894
Score: 6.20011
Type of gen. func.: ogf

$$(6024 f(x) - 145)$$

$$(f(x)\,x^4 + 4 f(x)\,x^3 - 4 f(x)\,x^2 - 4 f(x)\,x + x^2 + f(x) + 2x - 1)$$

Sequence: A054895
Score: 9.11046
Type of gen. func.: ogf

$$x^6 (2x^{30} + x^{24} + x^{18} + x^{12} + x^6 + 1) \Big/ ((x+1)(x^2+1)(x^6+x^3+1)$$

$$(x^6 - x^3 + 1)(x^{12} - x^6 + 1)(x^2 + x + 1)(x^2 - x + 1)(x^4 - x^2 + 1)$$

$$(x-1)^2)$$

Sequence: A054896
Score: 4.85884
Type of gen. func.: ogf

$$\frac{x^7 (6x^{35} + 5x^{28} + 4x^{21} + 3x^{14} + 2x^7 + 1)}{(x-1)(7x^{42} - x^{35} - x^{28} - x^{21} - x^{14} - x^7 - 1)}$$

Sequence: A054900
Score: 20.8370
Type of gen. func.: ogf

```
                            16
                           x
     --------------------------------------------
               2         8         4             2
```

$$(x + 1) (x + 1) (x + 1) (x + 1) (x - 1)$$

Sequence: A054900
Score: 9.09045
Type of gen. func.: lgdogf

$$-\left(17 x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1\right) \Big/ \left((x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1) (x^{8} + 1)\right)$$

Sequence: A054925
Score: 16.4854
Type of gen. func.: lgdogf

$$-\frac{3 x^{4} - 4 x^{3} + 7 x^{2} - 2 x + 2}{(x - 1) (x^{2} + 1) (x^{2} - x + 1)}$$

Sequence: A054925
Score: 20.2152
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^{5} + x^{3} + x^{2} + 2]$$

Sequence: A054925
Score: 6.25858
Type of gen. func.: ogf

$$-f(x) x^{5} + 3 f(x) x^{4} - 4 f(x) x^{3} - x^{4} + 4 f(x) x^{2} + x^{3} - 3 f(x) x - x^{2} + f(x)$$

Sequence: A054925
Score: 9.79282
Type of gen. func.: ogf

$$-\frac{x^{2} (x^{2} - x + 1)}{(x^{2} + 1) (x - 1)^{3}}$$

Sequence: A054963
Score: 10.4918
Type of gen. func.: lgdogf

$$-\frac{4 x^{4} - 12 x^{3} + 12 x^{2} - 9 x + 3}{(x - 1) (x^{2} - 3 x + 1) (2 x^{2} - 2 x + 1)}$$

Sequence: A054963
Score: 4.49433
Type of gen. func.: ogf

$\{-a(n + 4) + 5 a(n + 3) - 8 a(n + 2) + 5 a(n + 1) - a(n), a(0) = 1, a(1) = 3,$

$a(2) = 9, a(3) = 26\}$

Sequence: A054963
Score: 4.79618
Type of gen. func.: ogf

$-(35 f(x) + 8)$

$(f(x) x^{4} - 5 f(x) x^{3} + 8 f(x) x^{2} - 5 f(x) x - 2 x^{2} + f(x) + 2 x - 1)$

Sequence: A054963
Score: 9.31433
Type of gen. func.: ogf

$$\frac{2 x^{2} - 2 x + 1}{(x^{2} - 3 x + 1) (x - 1)^{2}}$$

Sequence: A054966
Score: 13.1548
Type of gen. func.: ogf

$$\frac{x (x^{2} + 7 x + 1)}{{}^{2} \qquad\qquad {}^{2}}$$

$$(x + x + 1) (x - 1)$$

Sequence: A054966
Score: 15.3223
Type of gen. func.: lgdogf

$$- \frac{2 (x^4 + 11 x^3 + 6 x^2 + 5 x + 4)}{(x - 1) (x^2 + x + 1) (x^2 + 7 x + 1)}$$

Sequence: A054966
Score: 5.24577
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 1) - a(n + 2) - a(n + 3) + (n + 2) a(n + 4), a(0) = 0, a(1) = 1, a(2) = 8, a(3) = 9\}$$

Sequence: A054966
Score: 7.0087
Type of gen. func.: ogf

$$-(87 f(x) + 661) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 7 x^2 + f(x) - x)$$

Sequence: A054967
Score: 13.1649
Type of gen. func.: ogf

$$\frac{x (x^2 + 8 x + 1)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A054967
Score: 14.7971
Type of gen. func.: lgdogf

$$- \frac{2 x^4 + 25 x^3 + 13 x^2 + 11 x + 9}{(x - 1) (x^2 + 8 x + 1) (x^2 + x + 1)}$$

Sequence: A054967
Score: 5.21779
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 1) - a(n + 2) - a(n + 3) + (n + 2) a(n + 4), a(0) = 0, a(1) = 1, a(2) = 9, a(3) = 10\}$$

Sequence: A054967
Score: 7.01408
Type of gen. func.: ogf

$$-(23 f(x) + 199) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 8 x^2 + f(x) - x)$$

Sequence: A054968
Score: 12.7993
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 10 x^3 + 16 x^2 - 4 x - 13}{(x - 1) (2 x^2 + 5 x + 4) (x^2 + x - 1)}$$

Sequence: A054968
Score: 14.7581
Type of gen. func.: ogf

$$\frac{2 x^2 + 5 x + 4}{(x - 1) (x^2 + x - 1)}$$

Sequence: A054968
Score: 7.90077
Type of gen. func.: ogf

$$(4105 f(x) - 1228) (f(x) x^3 - 2 f(x) x - 2 x^2 + f(x) - 5 x - 4)$$

Sequence: A054968
Score: 8.14768
Type of gen. func.: ogf

$$\{-a(n+3) + 2\,a(n+2) - a(n),\ a(0) = 4,\ a(1) = 13,\ a(2) = 28\}$$

Sequence: A054974
Score: 16.6860
Type of gen. func.: lgdogf

$$-\frac{3x^4 - 2x^3 + x^2 - 8x - 2}{(x-1)(x+1)(x^3 - x^2 - 1)}$$

Sequence: A054974
Score: 9.36247
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 - 1}{(x+1)^2 (x-1)^4}$$

Sequence: A054977
Score: 11.8981
Type of gen. func.: ogf

$$\{a(n+2) - a(n+1),\ a(0) = 2,\ a(1) = 1\}$$

Sequence: A054977
Score: 19.0369
Type of gen. func.: ogf

$$-f(x)\,x + f(x) + x - 2$$

Sequence: A054977
Score: 23.1530
Type of gen. func.: ogf

x - 2

$$x - 1$$

Sequence: A054977
Score: 33.5412
Type of gen. func.: revogf

$$1 + x/2 - \frac{(x^2 + 4)^{1/2}}{2}$$

Sequence: A054977
Score: 64.5024
Type of gen. func.: lgdogf

$$\frac{1}{(x - 1)(x - 2)}$$

Sequence: A055005
Score: 3.94711
Type of gen. func.: ogf

$$- \frac{9 x^8 - 54 x^7 + 132 x^6 - 171 x^5 + 135 x^4 - 78 x^3 + 36 x^2 - 9 x + 1}{(x - 1)^9}$$

Sequence: A055005
Score: 6.23789
Type of gen. func.: lgdogf

$$- 9 x^2 (x^6 - 4 x^5 + 2 x^4 + 12 x^3 - 20 x^2 + 8 x + 2) \Big/ ((x - 1)$$
$$(9 x^8 - 54 x^7 + 132 x^6 - 171 x^5 + 135 x^4 - 78 x^3 + 36 x^2 - 9 x + 1))$$

Sequence: A055010
Score: 13.5958
Type of gen. func.: ogf

$$- \frac{x (x - 2)}{}$$

$$(2 x - 1) (x - 1)$$

Sequence: A055010

Score: 13.9552

Type of gen. func.: revegf]

$$1/2 \ln(2 x + 1) + \operatorname{arctanh}((4 + 6 x)^{1/2}) - \operatorname{arctanh}(2)$$

Sequence: A055010

Score: 19.2909

Type of gen. func.: lgdogf

$$- \frac{2 x^2 - 8 x + 5}{(x - 1) (x - 2) (2 x - 1)}$$

Sequence: A055010

Score: 6.59598

Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 2 a(n + 1), a(0) = 0, a(1) = 2, a(2) = 5\}$$

Sequence: A055010

Score: 9.45894

Type of gen. func.: ogf

$$-f(x) (2 f(x) x^2 - 3 f(x) x + x^2 + f(x) - 2 x)$$

Sequence: A055017

Score: 5.95101

Type of gen. func.: ogf

$$- \frac{x (10 x^9 - x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 1)}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A055022

Score: 3.85673
Type of gen. func.: ogf

$$x^8 + 8 f(x) x^5 - 66 f(x) x^4 + 16 f(x)^2 x^2 + 96 f(x) x^3 - 8 f(x)^2 x - 52 f(x) x^2 + f(x)^2 + 12 f(x) x - f(x)$$

Sequence: A055040
Score: 5.95918
Type of gen. func.: ogf

$$\frac{3 (x + 2) (x^2 + x + 1) (x^7 + x^3 + 1)}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A055048
Score: 6.18583
Type of gen. func.: ogf

$$\frac{(x + 2) (x^2 + x + 1) (x^7 + x^3 + 1)}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A055099
Score: 13.6303
Type of gen. func.: ogf

$$- \frac{x + 1}{2 x^2 + 3 x - 1}$$

Sequence: A055099
Score: 14.3012
Type of gen. func.: revogf

$$\frac{-1 - 3 x + (17 x^2 + 10 x + 1)^{1/2}}{2 (2 x + 1)}$$

Sequence: A055099
Score: 17.6662
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + 2 x + 2)}{(x + 1) (2 x^2 + 3 x - 1)}$$

Sequence: A055099
Score: 6.81516
Type of gen. func.: ogf

$$-(57 f(x) + 7) (2 f(x) x^2 + 3 f(x) x - f(x) + x + 1)$$

Sequence: A055099
Score: 7.48005
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A055101
Score: 10.8811
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^2 - 2}{-x^4 - x^3 - x^2 - x - 1}$$

Sequence: A055102
Score: 10.9558
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3 x^2 - 3}{-x^4 - x^3 - x^2 - x - 1}$$

Sequence: A055103
Score: 10.8680

Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4 x^2 - 4}{-x^4 - x^3 - x^2 - x - 1}$$

Sequence: A055104
Score: 5.90616
Type of gen. func.: lgdogf

$$-(2 x^{13} + 3 x^{12} + 6 x^{11} + 3 x^{10} - 7 x^8 - 2 x^7 + x^6 + 8 x^5 + 11 x^4 + 10 x^3 + 8 x^2 + 4 x + 1) \Big/ ((x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1) (x^{10} - x^9 + x^5 - x^4 + 1))$$

Sequence: A055104
Score: 7.26964
Type of gen. func.: ogf

$$\frac{x^{10} - x^9 + x^5 - x^4 + 1}{(x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A055112
Score: 11.1926
Type of gen. func.: ogf

$$\frac{6 x (x + 1)}{(x - 1)^4}$$

Sequence: A055112
Score: 34.3897
Type of gen. func.: ogf_with_Euler_transform]

$$[5 - x]$$

Sequence: A055112
Score: 35.8303
Type of gen. func.: lgdogf

$$-\frac{3x+5}{(x-1)(x+1)}$$

Sequence: A055112
Score: 5.38902
Type of gen. func.: ogf

$$-(1072 f(x) + 5379)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 6 x^2 + f(x) - 6 x)$$

Sequence: A055112
Score: 5.42924
Type of gen. func.: ogf

$\{(n + 2) a(n + 3) - 5 a(n + 2) + (-n - 3) a(n + 1), a(0) = 0, a(1) = 6,$

$a(2) = 30\}$

Sequence: A055113
Score: 18.0800
Type of gen. func.: revogf

$$\frac{(1 + x + (-(x + 1) (3 x - 1))^{1/2}) x}{2}$$

Sequence: A055119
Score: 7.15059
Type of gen. func.: ogf

$$-\frac{x (81 x^{17} - 71 x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 8)}{(x^6 + x^3 + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A055120

Score: 6.54079
Type of gen. func.: ogf

$$-\frac{x\,(100\,x^{19}-89\,x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x-9)}{(x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{4}-x^{3}+x^{2}-x+1)\,(x-1)^{2}}$$

Sequence: A055121
Score: 6.01371
Type of gen. func.: ogf

$$-\frac{x\,(121\,x^{21}-109\,x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x-10)}{(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)\,(x-1)^{2}}$$

Sequence: A055122
Score: 5.46597
Type of gen. func.: ogf

$$-x\,(144\,x^{23}-131\,x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x-11)\Big/\left((x+1)\,(x^{2}+1)\,(x^{2}+x+1)\,(x^{2}-x+1)\,(x^{4}-x^{2}+1)\,(x-1)^{2}\right)$$

Sequence: A055123
Score: 5.07219
Type of gen. func.: ogf

$$-x\,(169\,x^{25}-155\,x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x-12)\Big/\left((x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)\,(x-1)^{2}\right)$$

Sequence: A055142
Score: 27.1374
Type of gen. func.: lgdegf]

$$-2\,x+(2\,x-1)\,f(x)$$

Sequence: A055142
Score: 3.39021
Type of gen. func.: ogf

{(2 n + 4) a(n + 1) + (-4 - 2 n) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 0,

a(2) = -2}

Sequence: A055145
Score: 4.23832
Type of gen. func.: ogf

$$-\frac{2 x^{11} - x^{10} - 2 x^{9} + x^{6} - 3 x^{4} - x^{3} + 2 x^{2} + 2 x + 1}{(4 x - 1) (x^{4} + 1) (x^{2} + 1) (x - 1)^{2} (x + 1)^{2}}$$

Sequence: A055148
Score: 5.33785
Type of gen. func.: ogf

$$-\frac{7 x^{9} + 4 x^{8} - 8 x^{7} - 6 x^{6} + x^{2} + 2 x + 1}{(7 x - 1) (x - 1)^{2} (x + 1)^{2}}$$

Sequence: A055156
Score: 13.8453
Type of gen. func.: ogf

$$-\frac{3 (1 + 3 x)}{27 x^{2} - 1}$$

Sequence: A055156
Score: 15.3872
Type of gen. func.: lgdogf

$$-\frac{3 (27 x^{2} + 18 x + 1)}{(1 + 3 x) (27 x^{2} - 1)}$$

Sequence: A055156
Score: 15.3872
Type of gen. func.: revogf

$$\frac{-1 + (12 x^2 + 4 x + 1)^{1/2}}{6 (1 + 3 x)}$$

Sequence: A055156
Score: 8.42759
Type of gen. func.: ogf

$$(4 f(x) - 11) (27 f(x) x^2 - f(x) + 9 x + 3)$$

Sequence: A055156
Score: 8.94620
Type of gen. func.: ogf

$$\{-a(n + 2) + 27 a(n), a(0) = 3, a(1) = 9\}$$

Sequence: A055194
Score: 3.96532
Type of gen. func.: ogf

$$-\frac{x^8 - 2 x^6 - 2 x^5 + 4 x^3 - 4 x - 3}{(x^2 + x + 1)^2 (x + 1)^2 (x - 1)^8}$$

Sequence: A055194
Score: 5.56644
Type of gen. func.: lgdogf

$$- 2 (3 x^{11} + 5 x^{10} - 2 x^9 - 15 x^8 - 21 x^7 + 15 x^5 - 7 x^4 - 41 x^3 - 45 x^2 - 28 x - 8) \Big/ ((x - 1) (x + 1) (x^2 + x + 1) (x^8 - 2 x^6 - 2 x^5 + 4 x^3 - 4 x - 3))$$

Sequence: A055217
Score: 4.97419
Type of gen. func.: ogf

$$-9 f(x)^{2} x^{4} - 3 x^{3} f(x)^{2} + 5 f(x)^{2} x^{2} - f(x)^{2} x - 3 f(x) x^{2} - 2 f(x) x + f(x) - 1$$

Sequence: A055232
Score: 14.9092
Type of gen. func.: lgdogf

$$- \frac{9 x^{3} + 17 x^{2} + 17 x + 5}{(x - 1) (x + 1) (3 x^{2} + 2 x + 1)}$$

Sequence: A055232
Score: 9.48569
Type of gen. func.: ogf

$$\frac{3 x^{2} + 2 x + 1}{(x + 1) (x - 1)^{4}}$$

Sequence: A055243
Score: 13.3471
Type of gen. func.: ogf

$$\frac{x - 1}{(x^{2} + x - 1)^{3}}$$

Sequence: A055243
Score: 25.8050
Type of gen. func.: lgdogf

$$- \frac{5 x^{2} - 4 x - 2}{{}^{2}}$$

$$(x - 1) (x + x - 1)$$

Sequence: A055243
Score: 4.49820
Type of gen. func.: ogf

$\{(n + 4) a(n + 4) + (-8 - 2 n) a(n + 3) - 4 a(n + 2) + (6 + n) a(n + 1),$

$a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 13\}$

Sequence: A055244
Score: 15.3076
Type of gen. func.: lgdogf

$$-\frac{(x + 1) (x^3 - 2 x^2 + 2 x + 1)}{(x^2 + x - 1) (x^3 - x + 1)}$$

Sequence: A055244
Score: 5.13164
Type of gen. func.: ogf

$$-(9 f(x) + 22) (f(x) x^4 + 2 f(x) x^3 - f(x) x^2 - x^3 - 2 f(x) x + f(x) + x - 1)$$

Sequence: A055244
Score: 9.96580
Type of gen. func.: ogf

$$\frac{x^3 - x + 1}{(x^2 + x - 1)^2}$$

Sequence: A055245
Score: 7.85775
Type of gen. func.: ogf

$$\frac{x^5 + 3 x^4 - 2 x^3 - 2 x^2 + 2 x - 1}{(x^2 + x - 1)^3}$$

Sequence: A055245
Score: 9.68628
Type of gen. func.: lgdogf

$$-\frac{(x-1)\,(x^5+5x^4+x^3+5x^2+7x+1)}{(x^2+x-1)\,(x^5+3x^4-2x^3-2x^2+2x-1)}$$

Sequence: A055250
Score: 25.2829
Type of gen. func.: lgdogf

$$-\frac{-9+14x}{(2x-1)\,(x-1)}$$

Sequence: A055250
Score: 4.21637
Type of gen. func.: ogf

{(-n - 3) a(n + 3) + (15 + 3 n) a(n + 2) + (-16 - 2 n) a(n + 1), a(0) = 1,

a(1) = 9, a(2) = 47}

Sequence: A055250
Score: 8.71762
Type of gen. func.: ogf

$$-\frac{1}{(2x-1)^2\,(x-1)^5}$$

Sequence: A055251
Score: 24.8117
Type of gen. func.: lgdogf

$$-\frac{2\,(-5+8x)}{(2x-1)\,(x-1)}$$

Sequence: A055251
Score: 4.91175
Type of gen. func.: ogf

$$\{(-n - 3)\, a(n + 3) + (16 + 3 n)\, a(n + 2) + (-18 - 2 n)\, a(n + 1),\ a(0) = 1,\ a(1) = 10,\ a(2) = 57\}$$

Sequence: A055251
Score: 8.31219
Type of gen. func.: ogf

$$\frac{1}{(2 x - 1)^2 (x - 1)^6}$$

Sequence: A055264
Score: 10.3972
Type of gen. func.: lgdogf

$$- \frac{6 x^6 + 12 x^5 + 14 x^4 + 13 x^3 + 15 x^2 + 9 x + 3}{(x - 1) (x + 1) (x^2 + 1) (3 x^3 + 3 x^2 + 2 x + 1)}$$

Sequence: A055264
Score: 11.8500
Type of gen. func.: ogf

$$\frac{x (3 x^3 + 3 x^2 + 2 x + 1)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A055267
Score: 13.6840
Type of gen. func.: ogf

$$\frac{4 x + 1}{x^2 - 3 x + 1}$$

Sequence: A055267
Score: 14.7012
Type of gen. func.: revogf

$$-\frac{-1 - 3 x + (5 x^2 + 22 x + 1)^{1/2}}{2 (x - 4)}$$

Sequence: A055267
Score: 17.2214
Type of gen. func.: lgdogf

$$-\frac{4 x^2 + 2 x - 7}{(4 x + 1) (x^2 - 3 x + 1)}$$

Sequence: A055267
Score: 7.50952
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A055267
Score: 8.86334
Type of gen. func.: ogf

$$(19 f(x) + 30) (f(x) x^2 - 3 f(x) x + f(x) - 4 x - 1)$$

Sequence: A055268
Score: 10.1722
Type of gen. func.: ogf

$$-\frac{10 x + 1}{(x - 1)^5}$$

Sequence: A055268
Score: 28.7272
Type of gen. func.: lgdogf

$$-\frac{5\,(8\,x+3)}{(10\,x+1)\,(x-1)}$$

Sequence: A055268
Score: 4.75586
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (3 + 9 n) a(n + 2) + (-50 - 10 n) a(n + 1), a(0) = 1,

a(1) = 15, a(2) = 65}

Sequence: A055269
Score: 14.5692
Type of gen. func.: ogf

$$-\frac{2\,x+1}{(x-1)\,(x^{2}-4\,x+1)}$$

Sequence: A055269
Score: 15.8154
Type of gen. func.: lgdogf

$$-\frac{4\,x^{3}-7\,x^{2}-10\,x+7}{(x-1)\,(2\,x+1)\,(x^{2}-4\,x+1)}$$

Sequence: A055269
Score: 6.83336
Type of gen. func.: ogf

{a(n + 3) - 5 a(n + 2) + 5 a(n + 1) - a(n), a(0) = 1, a(1) = 7, a(2) = 30}

Sequence: A055269
Score: 7.01972
Type of gen. func.: ogf

$$(22537\,f(x)-7225)\,(f(x)\,x^{3}-5\,f(x)\,x^{2}+5\,f(x)\,x-f(x)+2\,x+1)$$

Sequence: A055270
Score: 12.7818
Type of gen. func.: ogf

$$-\frac{(x-1)^2}{7x-1}$$

Sequence: A055270
Score: 26.8189
Type of gen. func.: lgdogf

$$\frac{5+7x}{(7x-1)(x-1)}$$

Sequence: A055270
Score: 6.76682
Type of gen. func.: ogf

$$\{-a(n+3)+7a(n+2), a(0)=1, a(1)=5, a(2)=36\}$$

Sequence: A055270
Score: 9.63874
Type of gen. func.: ogf

$$-(37f(x)-12)(7f(x)x+x^2-f(x)-2x+1)$$

Sequence: A055271
Score: 10.0364
Type of gen. func.: ogf

$$(33f(x)+16)(f(x)x^2-5f(x)x+f(x)-2x-1)$$

Sequence: A055271
Score: 13.5319
Type of gen. func.: ogf

$$\frac{2x+1}{x^2-5x+1}$$

Sequence: A055271
Score: 14.2041
Type of gen. func.: revogf

$$-\frac{-1-5x+(21x^2+18x+1)^{1/2}}{2(x-2)}$$

Sequence: A055271
Score: 17.0449
Type of gen. func.: lgdogf

$$-\frac{2x^2+2x-7}{(2x+1)(x^2-5x+1)}$$

Sequence: A055271
Score: 7.42604
Type of gen. func.: ogf

$$\{-a(n+2)+5a(n+1)-a(n), a(0)=1, a(1)=7\}$$

Sequence: A055272
Score: 12.8484
Type of gen. func.: ogf

$$-7f(x)x+f(x)+x-1$$

Sequence: A055272
Score: 15.6264
Type of gen. func.: ogf

$$\frac{x-1}{7x-1}$$

Sequence: A055272
Score: 16.1769
Type of gen. func.: revogf

$$\frac{1}{2} + \frac{7x}{2} - \frac{(49x^2 + 10x + 1)^{1/2}}{2}$$

Sequence: A055272
Score: 35.3871
Type of gen. func.: lgdogf

$$\frac{6}{(7x - 1)(x - 1)}$$

Sequence: A055272
Score: 8.03022
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1), a(0) = 1, a(1) = 6\}$$

Sequence: A055273
Score: 13.8288
Type of gen. func.: ogf

$$\frac{5x + 1}{x^2 - 3x + 1}$$

Sequence: A055273
Score: 14.8601
Type of gen. func.: revogf

$$-\frac{-1 - 3x + (5x^2 + 26x + 1)^{1/2}}{2(-5 + x)}$$

Sequence: A055273
Score: 17.4076
Type of gen. func.: lgdogf

$$-\frac{5 x^2 + 2 x - 8}{(5 x + 1) (x^2 - 3 x + 1)}$$

Sequence: A055273
Score: 7.58899
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A055273
Score: 8.94075
Type of gen. func.: ogf

$$(11 f(x) + 21) (f(x) x^2 - 3 f(x) x + f(x) - 5 x - 1)$$

Sequence: A055274
Score: 15.155
Type of gen. func.: ogf

$$-8 f(x) x + f(x) + x - 1$$

Sequence: A055274
Score: 18.4317
Type of gen. func.: ogf

$$\frac{x - 1}{8 x - 1}$$

Sequence: A055274
Score: 20.2968
Type of gen. func.: revogf

$$1/2 + 4 x - \frac{(64 x^2 + 12 x + 1)^{1/2}}{2}$$

Sequence: A055274
Score: 44.6530
Type of gen. func.: lgdogf

$$\frac{7}{(8x-1)(x-1)}$$

Sequence: A055274
Score: 9.47183
Type of gen. func.: ogf

{a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 7}

Sequence: A055275
Score: 19.3368
Type of gen. func.: ogf

$$\frac{x-1}{9x-1}$$

Sequence: A055275
Score: 19.3704
Type of gen. func.: ogf

-9 f(x) x + f(x) + x - 1

Sequence: A055275
Score: 20.0938
Type of gen. func.: revogf

$$1/2+\frac{9x}{2}-\frac{(81x^2+14x+1)^{1/2}}{2}$$

Sequence: A055275
Score: 46.8856
Type of gen. func.: lgdogf

$$\frac{8}{\quad}$$

$$(9 x - 1) (x - 1)$$

Sequence: A055275
Score: 9.93697
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 8\}$$

Sequence: A055276
Score: 12.0642
Type of gen. func.: ogf

$$-11 f(x) x + f(x) + x - 1$$

Sequence: A055276
Score: 14.6040
Type of gen. func.: ogf

$$\frac{x - 1}{11 x - 1}$$

Sequence: A055276
Score: 14.6862
Type of gen. func.: revogf

$$1/2 + \frac{11 x}{2} - \frac{(121 x^2 + 18 x + 1)^{1/2}}{2}$$

Sequence: A055276
Score: 31.9641
Type of gen. func.: lgdogf

$$\frac{10}{(11 x - 1) (x - 1)}$$

Sequence: A055276
Score: 7.49934
Type of gen. func.: ogf

$\{a(n + 2) - 11 a(n + 1), a(0) = 1, a(1) = 10\}$

Sequence: A055278
Score: 8.33668
Type of gen. func.: ogf

$$-\frac{x^3 + x^2 + 1}{(x^2 + x + 1) (x + 1) (x - 1)^5}$$

Sequence: A055278
Score: 9.59741
Type of gen. func.: lgdogf

$$-\frac{5 x^6 + 14 x^5 + 17 x^4 + 22 x^3 + 19 x^2 + 10 x + 3}{(x - 1) (x + 1) (x^2 + x + 1) (x^3 + x^2 + 1)}$$

Sequence: A055279
Score: 4.11347
Type of gen. func.: ogf

$$-\frac{x^8 + 2 x^7 + 5 x^6 + 5 x^5 + 7 x^4 + 5 x^3 + 3 x^2 + x + 1}{(x^2 + 1) (x^2 + x + 1) (x + 1)^3 (x - 1)^7}$$

Sequence: A055291
Score: 6.65612
Type of gen. func.: lgdogf

$$-(6 x^{10} + 8 x^9 + 20 x^8 + 21 x^7 + 25 x^6 + 29 x^5 + 27 x^4 + 22 x^3 + 14 x^2 + 6 x + 2) \Big/ ((x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1) (x^5 + x^3 + 1))$$

Sequence: A055291
Score: 7.68305

Type of gen. func.: ogf

$$-\frac{x^5+x^3+1}{(x^2+1)\,(x^2+x+1)\,(x+1)^2\,(x-1)^5}$$

Sequence: A055292
Score: 3.74257
Type of gen. func.: ogf

$$-\frac{2x^{10}+2x^9+4x^8+4x^7+5x^6+4x^5+4x^4+3x^3+x^2+1}{(x^2+x+1)\,(x^4+x^3+x^2+x+1)\,(x^2+1)\,(x+1)^3\,(x-1)^7}$$

Sequence: A055303
Score: 14.6517
Type of gen. func.: lgdegf]

$$-\frac{12\,(x^2+3x+1)}{(x-1)\,(3x^2+6x+1)}$$

Sequence: A055303
Score: 4.59775
Type of gen. func.: ogf

$$\{(-n^2-9n-20)\,a(n+1)+(n+2)\,a(n+2),\ a(0)=3,\ a(1)=36\}$$

Sequence: A055303
Score: 5.88926
Type of gen. func.: egf]

$$\frac{3\,(3x^2+6x+1)}{(x-1)^6}$$

Sequence: A055304

Score: 2.98944
Type of gen. func.: ogf

$$\{(22 n^2 + 242 n + 660) a(n + 1) + (3 n^2 + 20 n + 133) a(n + 2) + (-3 n - 9) a(n + 3), a(0) = 4, a(1) = 140, a(2) = 3000\}$$

Sequence: A055304
Score: 7.38056
Type of gen. func.: lgdegf]

$$-\frac{5 (11 x^4 + 100 x^3 + 180 x^2 + 80 x + 7)}{(x - 1) (11 x^4 + 76 x^3 + 96 x^2 + 26 x + 1)}$$

Sequence: A055315
Score: 12.7389
Type of gen. func.: lgdegf]

$$-\frac{15 (2 x^2 + 4 x + 1)}{(x - 1) (6 x^2 + 8 x + 1)}$$

Sequence: A055315
Score: 6.19612
Type of gen. func.: ogf

$$\{(-n^2 - 10 n - 24) a(n + 1) + (n + 2) a(n + 2), a(0) = 4, a(1) = 60\}$$

Sequence: A055315
Score: 7.19752
Type of gen. func.: egf]

$$-\frac{4 (6 x^2 + 8 x + 1)}{(x - 1)^7}$$

Sequence: A055316

Score: 6.77013
Type of gen. func.: lgdegf]

$$-\frac{42\,(5x^4+30x^3+40x^2+14x+1)}{(x-1)(35x^4+160x^3+150x^2+32x+1)}$$

Sequence: A055328
Score: 11.9889
Type of gen. func.: lgdogf

$$-\frac{14x^4+28x^3+27x^2+16x+5}{(x-1)(2x+1)(x+1)(x^2+x+1)}$$

Sequence: A055328
Score: 8.63632
Type of gen. func.: ogf

$$-\frac{2x+1}{(x^2+x+1)(x+1)(x-1)^5}$$

Sequence: A055329
Score: 4.29386
Type of gen. func.: ogf

$$-\frac{x^6+5x^4+8x^3+9x^2+5x+2}{(x^2+1)(x^2+x+1)(x+1)^3(x-1)^7}$$

Sequence: A055335
Score: 7.15723
Type of gen. func.: lgdogf

$$-\frac{8x^8-8x^7-18x^6-42x^5-42x^4-39x^3-23x^2-13x-3}{(x-1)(x+1)(x^2+1)(x^2+x+1)(x^3-2x^2-x-1)}$$

Sequence: A055335
Score: 7.30330
Type of gen. func.: ogf

$$\frac{x^3 - 2x^2 - x - 1}{(x^2 + 1)(x^2 + x + 1)(x + 1)^2 (x - 1)^5}$$

Sequence: A055341
Score: 7.17957
Type of gen. func.: ogf

$$\frac{x^4 - 2x^3 - x^2 - 1}{(x^2 + x + 1)(x + 1)(x - 1)^5}$$

Sequence: A055341
Score: 8.21112
Type of gen. func.: lgdogf

$$-\frac{4x^7 - 3x^6 - 14x^5 - 18x^4 - 24x^3 - 22x^2 - 10x - 3}{(x - 1)(x + 1)(x^2 + x + 1)(x^4 - 2x^3 - x^2 - 1)}$$

Sequence: A055342
Score: 3.63542
Type of gen. func.: ogf

$$\frac{x^9 - 2x^7 - 2x^6 - 5x^5 - 9x^4 - 6x^3 - 5x^2 - x - 1}{(x^2 + 1)(x^2 + x + 1)(x + 1)^3 (x - 1)^7}$$

Sequence: A055350
Score: 3.03739
Type of gen. func.: ogf

$$\{(7n^2 + 77n + 210)\, a(n + 1) + (6n^2 + 77n + 295)\, a(n + 2)$$

$$+ (-6n - 18)\, a(n + 3),\ a(0) = 8,\ a(1) = 220,\ a(2) = 4200\}$$

Sequence: A055350
Score: 7.56521
Type of gen. func.: lgdegf]

$$-\frac{5\,(7\,x^4+80\,x^3+180\,x^2+100\,x+11)}{(x-1)\,(7\,x^4+62\,x^3+102\,x^2+37\,x+2)}$$

Sequence: A055357
Score: 6.58109
Type of gen. func.: ogf

$$-\frac{2\,(x^2+x-1)}{(3\,x-1)\,(2\,x-1)^2\,(x-1)^3}$$

Sequence: A055357
Score: 9.16151
Type of gen. func.: lgdogf

$$-\frac{24\,x^4+12\,x^3-67\,x^2+46\,x-9}{(x-1)\,(3\,x-1)\,(2\,x-1)\,(x^2+x-1)}$$

Sequence: A055364
Score: 10.0367
Type of gen. func.: lgdogf

$$-\frac{5\,x^6+8\,x^5+15\,x^4+24\,x^3+22\,x^2+12\,x+4}{(x-1)\,(x+1)\,(x^2+x+1)\,(x^3+x+1)}$$

Sequence: A055364
Score: 8.73569
Type of gen. func.: ogf

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$$-\frac{x + x + 1}{(x^2 + x + 1) (x + 1) (x - 1)^5}$$

Sequence: A055365
Score: 4.18792
Type of gen. func.: ogf

$$-\frac{x^8 + x^7 + 3 x^6 + 5 x^5 + 7 x^4 + 5 x^3 + 5 x^2 + 2 x + 1}{(x^2 + 1) (x^2 + x + 1) (x + 1)^3 (x - 1)^7}$$

Sequence: A055383
Score: 4.96180
Type of gen. func.: ogf

$$-\frac{x^6 + 3 x^5 + 11 x^4 + 12 x^3 + 9 x^2 + 3 x + 1}{(x^2 + x + 1) (x + 1)^2 (x - 1)^5}$$

Sequence: A055389
Score: 11.1455
Type of gen. func.: ogf

$$-f(x) x^2 - f(x) x + x^2 + f(x) - x - 1$$

Sequence: A055389
Score: 14.9307
Type of gen. func.: ogf

$$\frac{x^2 - x - 1}{x^2 + x - 1}$$

Sequence: A055389
Score: 26.7819
Type of gen. func.: lgdogf

$$\frac{2 (x^2 + 1)}{(x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A055389
Score: 7.75813
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - a(n + 1), a(0) = 1, a(1) = 2, a(2) = 2}

Sequence: A055392
Score: 3.67613
Type of gen. func.: ogf

$$\{(-64 n^2 - 256 n - 252) a(n + 1) + (-4 n^2 - 22 n - 30) a(n + 2)$$

$$+ (5 n^2 + 35 n + 60) a(n + 3), a(0) = 1, a(1) = 0, a(2) = 2\}$$

Sequence: A055392
Score: 36.6204
Type of gen. func.: revogf

$$-x (x + 1) (x^2 + x - 1)$$

Sequence: A055395
Score: 19.7750
Type of gen. func.: revogf

$$- \frac{x (x - 1) (x^2 - 3 x + 1)}{(2 x - 1)^2}$$

Sequence: A055400
Score: 4.46036
Type of gen. func.: ogf

$$x^2 (703 x^{37} - 6859 x^{26} + 5046 x^{25} + 1813 x^{24} - 259 x^{18} - 2527 x^7 + 2527 x^6$$

$$- 361) \Big/ \left((703 x^{37} - 259 x^{18} - 361) (x - 1)^{2}\right)$$

Sequence: A055417
Score: 19.1642
Type of gen. func.: lgdogf

$$- \frac{2 x^{3} + 6 x^{2} - 6 x + 3}{(x - 1) (x^{3} + x^{2} - 2 x + 1)}$$

Sequence: A055417
Score: 4.43212
Type of gen. func.: ogf

$$\{(-15 n^{2} - 111 n - 198) a(n + 1) + (29 n^{2} + 147 n + 88) a(n + 2) + (-14 n^{2} - 40 n + 6) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 6\}$$

Sequence: A055417
Score: 9.42462
Type of gen. func.: ogf

$$- \frac{x^{3} + x^{2} - 2 x + 1}{(x - 1)^{5}}$$

Sequence: A055418
Score: 3.95011
Type of gen. func.: ogf

$$- \frac{8 x^{8} - 35 x^{7} + 51 x^{6} - 30 x^{5} - 5 x^{4} + 21 x^{3} - 16 x^{2} + 6 x - 1}{(x - 1)^{10}}$$

Sequence: A055418
Score: 5.82752
Type of gen. func.: lgdogf

$$-\frac{16x^8 - 41x^7 - 41x^6 + 156x^5 - 180x^4 + 127x^3 - 65x^2 + 22x - 4}{(x - 1)(8x^8 - 35x^7 + 51x^6 - 30x^5 - 5x^4 + 21x^3 - 16x^2 + 6x - 1)}$$

Sequence: A055426
Score: 12.9263
Type of gen. func.: lgdogf

$$-\frac{9x^4 + 52x^3 + 18x^2 - 4x + 5}{(x - 1)(x + 1)(9x^3 - x^2 - x + 1)}$$

Sequence: A055426
Score: 8.11214
Type of gen. func.: ogf

$$-\frac{(x + 1)(9x^3 - x^2 - x + 1)}{(x - 1)^5}$$

Sequence: A055436
Score: 7.42834
Type of gen. func.: lgdogf

$$\frac{6(9720x^{11} - 32160x^{10} + 35850x^9 - 13500x^8 - 3x - 7)}{(x - 1)(7290x^{11} - 16110x^{10} + 9000x^9 + 9x + 11)}$$

Sequence: A055436
Score: 8.08283
Type of gen. func.: ogf

$$-\frac{7290x^{11} - 16110x^{10} + 9000x^9 + 9x + 11}{(x - 1)^3}$$

Sequence: A055437
Score: 15.1841
Type of gen. func.: ogf

$$-\frac{11 + 9 x}{(x - 1)^3}$$

Sequence: A055437
Score: 30.0056
Type of gen. func.: lgdogf

$$-\frac{6 (3 x + 7)}{(11 + 9 x) (x - 1)}$$

Sequence: A055437
Score: 7.06846
Type of gen. func.: ogf

$$(816400 f(x) - 11405297) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 9 x + 11)$$

Sequence: A055437
Score: 7.12993
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 11, a(1) = 42, a(2) = 93}

Sequence: A055438
Score: 13.0151
Type of gen. func.: ogf

$$-\frac{99 x + 101}{(x - 1)^3}$$

Sequence: A055438
Score: 24.6423
Type of gen. func.: lgdogf

$$6 (67 + 33 x)$$

```
- --------------------
  (99 x + 101) (x - 1)
```

Sequence: A055438
Score: 5.73895
Type of gen. func.: ogf

$$(7896040000 f(x) - 1076734126967)$$

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x - f(x) + 99 x + 101)$$

Sequence: A055438
Score: 6.17667
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 101, a(1) = 402, a(2) = 903\}$$

Sequence: A055452
Score: 4.67796
Type of gen. func.: ogf

$$f(x)^{2} x^{2} - f(x) x^{3} - x^{4} - 7 f(x) x^{2} + 10 x^{3} + 5 f(x) x - 4 x^{2} - f(x) - 2 x + 1$$

Sequence: A055456
Score: 7.98564
Type of gen. func.: ogf

$$\frac{170 x^{15} - 340 x^{14} + 170 x^{13} + 10 x^{5} - 20 x^{4} + 12 x^{3} - 3 x^{2} + x + 1}{(x - 1)^{2}}$$

Sequence: A055484
Score: 3.57952
Type of gen. func.: ogf

$$-\frac{(x^{3} - x^{2} - 1) (x^{6} + x^{4} + 2 x^{3} + x^{2} + 1)}{(x^{2} + x + 1)^{2} (x + 1)^{2} (x - 1)^{8}}$$

Sequence: A055485
Score: 3.53096
Type of gen. func.: ogf

$$-\frac{x^8 + x^7 - 3x^6 - x^5 + x^4 + 3x^3 - x^2 - 3x - 4}{(x^2 + x + 1)^2 (x + 1)^2 (x - 1)^8}$$

Sequence: A055495
Score: 12.8857
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 + 2x - 3}{(x - 1)^2}$$

Sequence: A055495
Score: 16.3701
Type of gen. func.: lgdogf

$$\frac{2x^4 - 5x^3 + 3x^2 - 2x + 4}{(x - 1)(x^4 - x^3 + 2x - 3)}$$

Sequence: A055495
Score: 7.70617
Type of gen. func.: ogf

$$(f(x) + 38)(x^4 + f(x)\,x^2 - x^3 - 2 f(x)\,x + f(x) + 2x - 3)$$

Sequence: A055503
Score: 7.25986
Type of gen. func.: ogf

$$\frac{x^6 - 5x^5 + 2x^4 + 3x^3 - 7x^2 + 4x - 1}{(x - 1)^5}$$

Sequence: A055503
Score: 9.88738
Type of gen. func.: lgdogf

$$\frac{x^6 - 6x^5 + 23x^4 - 14x^3 + 12x^2 - 2x + 1}{(x - 1)(x^6 - 5x^5 + 2x^4 + 3x^3 - 7x^2 + 4x - 1)}$$

Sequence: A055504
Score: 30.7085
Type of gen. func.: lgdogf

$$-\frac{2(11 + 3x)}{(x + 3)(x - 1)}$$

Sequence: A055504
Score: 4.28536
Type of gen. func.: ogf

$\{(-2n^2 - 7n - 6) a(n + 1) + (2n^2 - 5n - 3) a(n + 2), a(0) = 0, a(1) = 0,$

$a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 15\}$

Sequence: A055504
Score: 7.17142
Type of gen. func.: ogf

$$-\frac{5x^5(x + 3)}{(x - 1)^7}$$

Sequence: A055518
Score: 6.30875
Type of gen. func.: lgdogf

$$-\frac{2(x^7 - 8x^6 + 8x^5 + 59x^4 + 62x^3 - 37x^2 + 7x + 1)}{(x + 1)(x^2 - 5x + 1)(x^5 - 4x^4 - 19x^3 + 11x^2 + 6x - 1)}$$

Sequence: A055518
Score: 7.17387
Type of gen. func.: ogf

$$-\frac{(x+1)(x^2-5x+1)}{x^5-4x^4-19x^3+11x^2+6x-1}$$

Sequence: A055519
Score: 4.95492
Type of gen. func.: ogf

$$-\frac{x^4+7x^3-16x^2-7x+1}{x^6+9x^5-33x^4-76x^3+33x^2+9x-1}$$

Sequence: A055522
Score: 11.1071
Type of gen. func.: ogf

$$\frac{6(x^2+x+1)}{(x-1)^4(x+1)^4}$$

Sequence: A055522
Score: 18.5021
Type of gen. func.: lgdogf

$$-\frac{6x^3+7x^2+10x+1}{(x-1)(x+1)(x^2+x+1)}$$

Sequence: A055522
Score: 32.2413
Type of gen. func.: ogf_with_Euler_transform]

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$$-x + 4 x + 1$$

Sequence: A055523
Score: 12.7034
Type of gen. func.: ogf

$$\frac{x^3 - 3 x - 4}{(x - 1)^3 (x + 1)^3}$$

Sequence: A055523
Score: 17.9947
Type of gen. func.: lgdogf

$$- \frac{3 (x^4 - 4 x^2 - 8 x - 1)}{(x - 1) (x + 1) (x^3 - 3 x - 4)}$$

Sequence: A055524
Score: 9.36738
Type of gen. func.: ogf

$$- \frac{2 x^5 + x^4 - 5 x^3 - 2 x^2 + 5 x + 5}{(x - 1)^3 (x + 1)^3}$$

Sequence: A055524
Score: 9.97245
Type of gen. func.: lgdogf

$$- \frac{2 x^6 + 2 x^5 - 5 x^4 - 4 x^3 + 10 x^2 + 26 x + 5}{(x - 1) (x + 1) (2 x^5 + x^4 - 5 x^3 - 2 x^2 + 5 x + 5)}$$

Sequence: A055528
Score: 8.28393
Type of gen. func.: ogf

$$-\frac{x (x^2 + 4 x + 1)}{(10 x - 1) (x - 1)^4}$$

Sequence: A055528
Score: 8.33618
Type of gen. func.: lgdogf

$$-\frac{6 (5 x^3 + 28 x^2 + 6 x - 3)}{(x - 1) (10 x - 1) (x^2 + 4 x + 1)}$$

Sequence: A055533
Score: 13.6804
Type of gen. func.: lgdegf]

$$-\frac{12 (x^2 + 3 x + 1)}{(x - 1) (4 x^2 + 7 x + 1)}$$

Sequence: A055533
Score: 2.84968
Type of gen. func.: ogf

$$\{(-2 n^2 - 14 n - 24) a(n + 1) + (-n^2 - 8 n - 24) a(n + 2) + (n + 3) a(n + 3),$$
$$a(0) = 1, a(1) = 12, a(2) = 108\}$$

Sequence: A055533
Score: 6.20437
Type of gen. func.: egf]

$$-\frac{4 x^2 + 7 x + 1}{(x - 1)^5}$$

Sequence: A055536
Score: 4.51163

Type of gen. func.: ogf

$$\frac{x^2 + 4 x + 1}{(x^2 + x + 1)^2 (x + 1)^2 (x - 1)^8}$$

Sequence: A055536
Score: 9.51828
Type of gen. func.: lgdogf

$$- \frac{2 (6 x^5 + 34 x^4 + 47 x^3 + 36 x^2 + 17 x + 4)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 + 4 x + 1)}$$

Sequence: A055546
Score: 4.37095
Type of gen. func.: ogf

$$\{(-2 n^2 - 8 n - 8) a(n + 1) - a(n + 2), a(0) = -1, a(1) = 2\}$$

Sequence: A055554
Score: 12.3380
Type of gen. func.: lgdogf

$$- \frac{7263271 + 7263269 x}{(7263269 x + 1) (x - 1)}$$

Sequence: A055554
Score: 4.31292
Type of gen. func.: ogf

$$(7263270 f(x) + 6383366022241021)$$

$$(f(x) x^2 - 2 f(x) x + f(x) - 1757711098 x - 242)$$

Sequence: A055554
Score: 5.42592
Type of gen. func.: ogf

$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 242, a(1) = 1757711582\}$

Sequence: A055554
Score: 9.01091
Type of gen. func.: ogf

$$\frac{242 (7263269 x + 1)}{(x - 1)^2}$$

Sequence: A055554
Score: 9.67688
Type of gen. func.: revogf

$$- \frac{-121 - x + 11 (121 + 14526540 x)^{1/2}}{-1757711098 + x}$$

Sequence: A055555
Score: 3.99551
Type of gen. func.: egf]

$\{(n^2 + 4 n + 4) a(n + 1) + (-n^2 - 5 n - 5) a(n + 2) + (n + 1) a(n + 3),$

$a(0) = 1, a(1) = 1, a(2) = 3/2\}$

Sequence: A055569
Score: 5.27969
Type of gen. func.: ogf_with_Euler_transform]

$$-2 x^9 + 2 x^8 + 2$$

Sequence: A055580
Score: 12.3297
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (2 x - 1)^3}$$

Sequence: A055580
Score: 25.6575
Type of gen. func.: lgdogf

$$-\frac{-7 + 8 x}{(2 x - 1) (x - 1)}$$

Sequence: A055580
Score: 4.10989
Type of gen. func.: ogf

{(-n - 3) a(n + 3) + (13 + 3 n) a(n + 2) + (-2 n - 10) a(n + 1), a(0) = 1,

a(1) = 7, a(2) = 31}

Sequence: A055580
Score: 5.1542
Type of gen. func.: ogf

$$(121 f(x) + 61) (8 f(x) x^4 - 20 f(x) x^3 + 18 f(x) x^2 - 7 f(x) x + f(x) - 1)$$

Sequence: A055581
Score: 11.5197
Type of gen. func.: ogf

$$-\frac{1}{(x - 1)^2 (2 x - 1)^3}$$

Sequence: A055581
Score: 24.3104
Type of gen. func.: lgdogf

$$-\frac{2 (-4 + 5 x)}{(2 x - 1) (x - 1)}$$

Sequence: A055581
Score: 4.21637

```
Type of gen. func.: ogf


{(-n - 3) a(n + 3) + (14 + 3 n) a(n + 2) + (-12 - 2 n) a(n + 1), a(0) = 1,

    a(1) = 8, a(2) = 39}



------------------------------------------------------------------------------

Sequence:  A055582
Score: 24.9370
Type of gen. func.: lgdogf

                                  3 (-3 + 4 x)
                              - -----------------
                                (2 x - 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A055582
Score: 4.32284
Type of gen. func.: ogf


{(-n - 3) a(n + 3) + (15 + 3 n) a(n + 2) + (-14 - 2 n) a(n + 1), a(0) = 1,

    a(1) = 9, a(2) = 48}



------------------------------------------------------------------------------

Sequence:  A055582
Score: 9.58542
Type of gen. func.: ogf


                                       1
                              -------------------
                                       3        3
                              (2 x - 1)  (x - 1)



------------------------------------------------------------------------------

Sequence:  A055583
Score: 24.5922
Type of gen. func.: lgdogf

                                  2 (-5 + 7 x)
                              - -----------------
                                (2 x - 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A055583
Score: 4.07586
Type of gen. func.: ogf


{(-n - 3) a(n + 3) + (16 + 3 n) a(n + 2) + (-16 - 2 n) a(n + 1), a(0) = 1,
```

$a(1) = 10, a(2) = 58\}$

Sequence: A055583
Score: 8.15171
Type of gen. func.: ogf

$$-\frac{1}{(2x-1)^3 (x-1)^4}$$

Sequence: A055585
Score: 25.4794
Type of gen. func.: lgdogf

$$-\frac{2(-3+2x)}{(2x-1)(x-1)}$$

Sequence: A055585
Score: 4.44505
Type of gen. func.: ogf

$\{(n + 3) a(n + 3) + (-12 - 3 n) a(n + 2) + (2 n + 6) a(n + 1), a(0) = 1,$

$a(1) = 6, a(2) = 25\}$

Sequence: A055585
Score: 4.96799
Type of gen. func.: ogf

$(140 f(x) + 257)$

$(16 f(x) x^4 - 32 f(x) x^3 + 24 f(x) x^2 - 8 f(x) x - x^2 + f(x) + 2 x - 1)$

Sequence: A055585
Score: 9.38399
Type of gen. func.: ogf

$$\frac{(x-1)^2}{(2x-1)^4}$$

Sequence: A055586
Score: 22.7353
Type of gen. func.: lgdogf

$$-\frac{2\,(-5+6\,x)}{(2\,x-1)\,(x-1)}$$

Sequence: A055586
Score: 3.92097
Type of gen. func.: ogf

{(-n - 3) a(n + 3) + (16 + 3 n) a(n + 2) + (-14 - 2 n) a(n + 1), a(0) = 1,

a(1) = 10, a(2) = 59}

Sequence: A055586
Score: 8.38653
Type of gen. func.: ogf

$$\frac{1}{(x-1)^2\,(2\,x-1)^4}$$

Sequence: A055588
Score: 12.1971
Type of gen. func.: ogf

$$\frac{2\,x-1}{(x-1)\,(x^2-3\,x+1)}$$

Sequence: A055588
Score: 13.1900
Type of gen. func.: lgdogf

$$-\frac{4\,x^3-11\,x^2+8\,x-2}{(x-1)\,(2\,x-1)\,(x^2-3\,x+1)}$$

Sequence: A055588
Score: 5.77185
Type of gen. func.: ogf

$$\{a(n+3) - 4 a(n+2) + 4 a(n+1) - a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A055588
Score: 5.98563
Type of gen. func.: ogf

$$-(11 f(x) + 5) (f(x) x^3 - 4 f(x) x^2 + 4 f(x) x - f(x) - 2 x + 1)$$

Sequence: A055589
Score: 28.0863
Type of gen. func.: lgdogf

$$-\frac{2 (x - 3)}{(2 x - 1) (x - 1)}$$

Sequence: A055589
Score: 5.42043
Type of gen. func.: ogf

$$\{(-n - 1) a(n+2) + (6 + 3 n) a(n+1) - 2 a(n) n, a(0) = 0, a(1) = 1\}$$

Sequence: A055589
Score: 6.43012
Type of gen. func.: ogf

$$-\frac{x (x - 1)^4}{(2 x - 1)^5}$$

Sequence: A055602
Score: 15.5570
Type of gen. func.: lgdegf]

$$3 (x^2 - 6 x - 15)$$

$$- \frac{}{(x - 1) (x^2 - 5 x - 8)}$$

Sequence: A055602
Score: 3.20005
Type of gen. func.: ogf

$$\{(-n^2 - 6 n - 9) a(n + 1) + (-4 n^2 - 35 n - 76) a(n + 2) + (8 + 4 n) a(n + 3),$$

$$a(0) = 0, a(1) = 4, a(2) = 45\}$$

Sequence: A055602
Score: 6.32481
Type of gen. func.: egf]

$$\frac{x (x^2 - 5 x - 8)}{2 (x - 1)^5}$$

Sequence: A055607
Score: 7.18764
Type of gen. func.: ogf

$$\frac{x^2 (x^4 - x^3 - x^2 - 2 x - 2)}{(x^2 + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A055607
Score: 9.35807
Type of gen. func.: lgdogf

$$- \frac{3 x^7 - 3 x^6 - 3 x^5 - 15 x^4 - 16 x^3 - 12 x^2 - 10 x - 4}{(x - 1) (x + 1) (x^2 + 1) (x^4 - x^3 - x^2 - 2 x - 2)}$$

Sequence: A055608
Score: 13.7852
Type of gen. func.: lgdogf

$$-\frac{10x^3+13x^2-2x-13}{(x-1)(x+1)(x^2+x-1)}$$

Sequence: A055609
Score: 3.73206
Type of gen. func.: ogf

$$\frac{x^8-x^7-x^6-2x^5+2x^4+x^3-3x^2-2x-1}{(x^2+x+1)^2(x+1)^2(x-1)^7}$$

Sequence: A055610
Score: 6.33375
Type of gen. func.: ogf

$$\frac{x^3(x^5+x^4-x^3+2x^2-x+1)}{(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^4}$$

Sequence: A055610
Score: 6.56314
Type of gen. func.: lgdogf

$$-\frac{5x^{11}+9x^{10}-x^9+19x^8+16x^6+9x^5+11x^4+7x^3+3x^2+4x+2}{(x-1)(x^6+x^5+x^4+x^3+x^2+x+1)(x^5+x^4-x^3+2x^2-x+1)}$$

Sequence: A055613
Score: 2.96596
Type of gen. func.: ogf

$$\{(-n^2-8n-12)\,a(n+1)+(2n+17)\,a(n+2)-a(n+3),\ a(0)=1,$$

$$a(1)=13,\ a(2)=190\}$$

Sequence: A055613

Score: 22.3770
Type of gen. func.: lgdegf]

$$- \frac{-13 + 5 x}{(x - 1)^2}$$

Sequence: A055622
Score: 4.00869
Type of gen. func.: ogf

$$\frac{4 x^8 + 8 x^7 + 10 x^6 + 8 x^5 + 6 x^4 + x^3 - 2 x^2 - 2 x - 1}{(x - 1) (2 x^5 + 3 x^3 - 1) (4 x^4 + 6 x^3 + 2 x^2 - 1)}$$

Sequence: A055634
Score: 3.52392
Type of gen. func.: ogf

$$\{(2 n^2 + 10 n + 12) a(n + 1) + (-n^2 - 8 n - 15) a(n + 2) + (-2 n - 5) a(n + 3) + (n + 4) a(n + 4), a(0) = 1, a(1) = -1, a(2) = 1, a(3) = -3\}$$

Sequence: A055634
Score: 39.5658
Type of gen. func.: lgdegf]

$$-1 + x - x^2 + (x - 1) f(x)$$

Sequence: A055640
Score: 32.8204
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{18} + x^9 + 1$$

Sequence: A055640
Score: 5.13875
Type of gen. func.: ogf

$$- x (x^{18} + x^{17} + x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) / ((x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1))$$

Sequence: A055645
Score: 4.71828
Type of gen. func.: ogf

$$x (85 x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) / ((x + 1) (x^2 + 1) (x^8 + 1) (x^4 + 1) (x - 1)^2)$$

Sequence: A055646
Score: 4.87544
Type of gen. func.: ogf

$$x (86 x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) / ((x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^8 - x^7 + x^5 - x^4 + x^3 - x + 1) (x - 1)^2)$$

Sequence: A055647
Score: 5.17309
Type of gen. func.: ogf

$$x (87 x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) / ((x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^6 - x^5 + x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A055648
Score: 5.50599
Type of gen. func.: ogf

$$x \left(88 x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1\right) \Big/ \left(\left(x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1\right) (x - 1)^{2}\right)$$

Sequence: A055649
Score: 6.15819
Type of gen. func.: ogf

$$\frac{x \left(90 x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1\right)}{\left(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1\right) (x - 1)^{2}}$$

Sequence: A055658
Score: 5.37681
Type of gen. func.: ogf

$$- \frac{x^{2} \left(x^{4} + 28 x^{3} + 62 x^{2} + 28 x + 1\right)}{(x - 1)^{7}}$$

Sequence: A055658
Score: 9.99986
Type of gen. func.: lgdogf

$$- \frac{3 x^{4} + 116 x^{3} + 394 x^{2} + 292 x + 35}{(x - 1) \left(x^{4} + 28 x^{3} + 62 x^{2} + 28 x + 1\right)}$$

Sequence: A055659
Score: 5.14658
Type of gen. func.: ogf

$$- \frac{x \left(x^{5} - 4 x^{4} + 3 x^{3} + 197 x^{2} + 148 x + 15\right)}{(x - 1)^{7}}$$

Sequence: A055659
Score: 8.23960
Type of gen. func.: lgdogf

$$-\frac{2x^5 - 7x^4 - 4x^3 + 994x^2 + 1282x + 253}{(x - 1)(x^5 - 4x^4 + 3x^3 + 197x^2 + 148x + 15)}$$

Sequence: A055660
Score: 4.29982
Type of gen. func.: ogf

$$\{(-4n^2 - 38n - 90)\,a(n + 1) + (n^2 + 8n + 12)\,a(n + 2),\ a(0) = 15,\ a(1) = 168\}$$

Sequence: A055663
Score: 4.53565
Type of gen. func.: ogf

$$\{(-4n^2 - 62n - 240)\,a(n + 1) + (n^2 + 13n + 22)\,a(n + 2),\ a(0) = 220,\ a(1) = 4004\}$$

Sequence: A055780
Score: 8.70771
Type of gen. func.: ogf

$$-\frac{x^4 - 9x^3 - 5x - 1}{(x^2 + 1)(x + 1)^2(x - 1)^4}$$

Sequence: A055780
Score: 8.92899
Type of gen. func.: lgdogf

$$-\frac{4x^7 - 43x^6 - 14x^5 - 69x^4 - 32x^3 - 49x^2 - 14x - 7}{(x - 1)(x + 1)(x^2 + 1)(x^4 - 9x^3 - 5x - 1)}$$

Sequence: A055787
Score: 10.6093
Type of gen. func.: revogf

$$\frac{x\,(8\,x + 3\,(8\,x + 1)^{1/2} + 1)}{2\,(8\,x + 1)^{1/2}\,((8\,x + 1)^{1/2} + 1)^{3}}$$

Sequence: A055787
Score: 4.34116
Type of gen. func.: ogf

$$\{(-256\,n - 384)\,a(n + 1) + (32\,n + 72)\,a(n + 2) + (-n - 3)\,a(n + 3),\ a(0) = 0,\ a(1) = 4,\ a(2) = 80\}$$

Sequence: A055787
Score: 7.12864
Type of gen. func.: ogf

$$-256\,f(x)^{2}\,x^{2} + 32\,f(x)^{2}\,x - f(x)^{2} - 16\,f(x)\,x + f(x) - 4\,x$$

Sequence: A055790
Score: 6.65310
Type of gen. func.: ogf

$$\{a(n)\,n + (n + 2)\,a(n + 1) - a(n + 2),\ a(0) = 0,\ a(1) = 2\}$$

Sequence: A055792
Score: 4.88151
Type of gen. func.: ogf

$$\{-a(n + 4) + 35\,a(n + 3) - 35\,a(n + 2) + a(n + 1),\ a(0) = 0,\ a(1) = 1,\ a(2) = 9,\ a(3) = 289\}$$

Sequence: A055792
Score: 5.14847
Type of gen. func.: ogf

$$-(1224 f(x) + 1085) (f(x) x^3 - 35 f(x) x^2 + 9 x^3 + 35 f(x) x - 26 x^2 - f(x) + x)$$

Sequence: A055792
Score: 8.85378
Type of gen. func.: lgdogf

$$-\frac{9 x^4 - 52 x^3 + 598 x^2 - 52 x + 9}{(x - 1) (9 x^2 - 26 x + 1) (x^2 - 34 x + 1)}$$

Sequence: A055792
Score: 9.69124
Type of gen. func.: ogf

$$-\frac{x (9 x^2 - 26 x + 1)}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A055793
Score: 4.82894
Type of gen. func.: ogf

$\{-a(n + 4) + 15 a(n + 3) - 15 a(n + 2) + a(n + 1), a(0) = 0, a(1) = 1, a(2) = 4,$

$a(3) = 49\}$

Sequence: A055793
Score: 5.13554
Type of gen. func.: ogf

$$-(144 f(x) + 407) (f(x) x^3 - 15 f(x) x^2 + 4 x^3 + 15 f(x) x - 11 x^2 - f(x) + x)$$

Sequence: A055793
Score: 9.51585
Type of gen. func.: ogf

$$-\frac{x\,(4\,x^{2}-11\,x+1)}{(x-1)\,(x^{2}-14\,x+1)}$$

Sequence: A055793
Score: 9.66804
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^{4}-11\,x^{3}+54\,x^{2}-11\,x+2)}{(x-1)\,(x^{2}-14\,x+1)\,(4\,x^{2}-11\,x+1)}$$

Sequence: A055795
Score: 10.1216
Type of gen. func.: ogf

$$-\frac{x\,(2\,x^{2}-2\,x+1)}{(x-1)^{5}}$$

Sequence: A055795
Score: 24.3746
Type of gen. func.: lgdogf

$$-\frac{6\,x^{2}-4\,x+3}{(x-1)\,(2\,x^{2}-2\,x+1)}$$

Sequence: A055795
Score: 4.30815
Type of gen. func.: ogf

{(n + 3) a(n + 4) + (-3 n - 9) a(n + 3) + (8 + 4 n) a(n + 2)

+ (-6 - 2 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 7}

Sequence: A055795
Score: 5.35089
Type of gen. func.: ogf

$$-(2 f(x) + 1) (f(x) x^5 - 5 f(x) x^4 + 10 f(x) x^3 - 10 f(x) x^2 + 2 x^3 + 5 f(x) x - 2 x^2 - f(x) + x)$$

Sequence: A055796
Score: 21.9664
Type of gen. func.: lgdogf

$$- \frac{10 x^2 - 8 x + 5}{(x - 1) (2 x^2 - 2 x + 1)}$$

Sequence: A055796
Score: 4.00614
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (14 + 3 n) a(n + 3) + (-16 - 4 n) a(n + 2) + (12 + 2 n) a(n + 1), a(0) = 1, a(1) = 5, a(2) = 16, a(3) = 42\}$$

Sequence: A055796
Score: 8.30139
Type of gen. func.: ogf

$$- \frac{2 x^2 - 2 x + 1}{(x - 1)^7}$$

Sequence: A055797
Score: 15.7141
Type of gen. func.: lgdogf

$$- \frac{2 (6 x^2 - 5 x + 3)}{(x - 1) (2 x^2 - 2 x + 1)}$$

Sequence: A055797

Score: 5.46392
Type of gen. func.: ogf

$$\frac{2x^2 - 2x + 1}{(x-1)^8}$$

Sequence: A055798
Score: 21.0762
Type of gen. func.: lgdogf

$$-\frac{14x^2 - 12x + 7}{(x-1)(2x^2 - 2x + 1)}$$

Sequence: A055798
Score: 3.84442
Type of gen. func.: ogf

{(-n - 4) a(n + 4) + (16 + 3 n) a(n + 3) + (-20 - 4 n) a(n + 2)

+ (16 + 2 n) a(n + 1), a(0) = 1, a(1) = 7, a(2) = 29, a(3) = 93}

Sequence: A055798
Score: 6.60452
Type of gen. func.: ogf

$$-\frac{2x^2 - 2x + 1}{(x-1)^9}$$

Sequence: A055799
Score: 16.9387
Type of gen. func.: lgdogf

$$-\frac{2(8x^2 - 7x + 4)}{(x-1)(2x^2 - 2x + 1)}$$

Sequence: A055799
Score: 4.72061
Type of gen. func.: ogf

$$\frac{2 x^{2} - 2 x + 1}{(x - 1)^{10}}$$

Sequence: A055802
Score: 12.1022
Type of gen. func.: lgdogf

$$\frac{x^{5} - x^{4} + 3 x^{3} + x^{2} + x + 1}{(x - 1) (x + 1) (x^{5} - 2 x^{4} - x^{3} + 2 x^{2} - 1)}$$

Sequence: A055802
Score: 5.70855
Type of gen. func.: ogf

$$f(x) x^{5} - f(x) x^{4} - x^{5} - 2 f(x) x^{3} + 2 x^{4} + 2 f(x) x^{2} + x^{3} + f(x) x - 2 x^{2}$$
$$- f(x) + 1$$

Sequence: A055802
Score: 8.53341
Type of gen. func.: ogf

$$\frac{x^{5} - 2 x^{4} - x^{3} + 2 x^{2} - 1}{(x + 1)^{2} (x - 1)^{3}}$$

Sequence: A055803
Score: 5.46169
Type of gen. func.: ogf

$$\frac{x^{7} - 2 x^{6} - x^{5} + 4 x^{4} + x^{3} - 3 x^{2} + 1}{(x + 1)^{3} (x - 1)^{4}}$$

Sequence: A055803
Score: 8.83428
Type of gen. func.: lgdogf

$$\frac{x^7 - 3 x^6 + x^5 - 3 x^4 - 2 x^3 - x - 1}{(x - 1) (x + 1) (x^7 - 2 x^6 - x^5 + 4 x^4 + x^3 - 3 x^2 + 1)}$$

Sequence: A055804
Score: 4.18376
Type of gen. func.: ogf

$$\frac{x^9 - 2 x^8 - 2 x^7 + 5 x^6 + 2 x^5 - 7 x^4 - x^3 + 4 x^2 - 1}{(x + 1)^4 (x - 1)^5}$$

Sequence: A055804
Score: 6.27094
Type of gen. func.: lgdogf

$$\frac{x^9 - 3 x^8 + 3 x^7 + x^6 + 3 x^5 + 3 x^4 + x^3 - x^2 + x + 1}{(x - 1) (x + 1) (x^9 - 2 x^8 - 2 x^7 + 5 x^6 + 2 x^5 - 7 x^4 - x^3 + 4 x^2 - 1)}$$

Sequence: A055808
Score: 11.1285
Type of gen. func.: ogf

$$\frac{x (x^3 - 7 x^2 - x - 1)}{(x - 1)^3}$$

Sequence: A055808
Score: 22.8809
Type of gen. func.: lgdogf

$$4 (x^2 + 4 x + 1)$$

$$\frac{}{(x - 1) (x^3 - 7 x^2 - x - 1)}$$

Sequence: A055808
Score: 5.60263
Type of gen. func.: ogf

$\{a(n + 5) - 3 a(n + 4) + 3 a(n + 3) - a(n + 2), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 16, a(4) = 36\}$

Sequence: A055808
Score: 6.34673
Type of gen. func.: ogf

$$(165 f(x) + 3508) (f(x) x^3 - x^4 - 3 f(x) x^2 + 7 x^3 + 3 f(x) x + x^2 - f(x) + x)$$

Sequence: A055809
Score: 11.6449
Type of gen. func.: lgdogf

$$\frac{2 x^3 - 2 x^2 - 11 x + 15}{(x - 1) (3 x^4 - 14 x^3 + 22 x^2 - 11 x - 1)}$$

Sequence: A055809
Score: 4.41568
Type of gen. func.: ogf

$$(43 f(x) + 632) (f(x) x^4 - 4 f(x) x^3 + 3 x^4 + 6 f(x) x^2 - 14 x^3 - 4 f(x) x + 22 x^2 + f(x) - 11 x - 1)$$

Sequence: A055809
Score: 7.57691
Type of gen. func.: ogf

$$-\frac{3 x^4 - 14 x^3 + 22 x^2 - 11 x - 1}{}$$

$$(x - 1)^{4}$$

Sequence: A055810
Score: 5.86628
Type of gen. func.: ogf

$$-\frac{4 x^{5} - 25 x^{4} + 60 x^{3} - 65 x^{2} + 26 x + 1}{(x - 1)^{5}}$$

Sequence: A055810
Score: 8.52204
Type of gen. func.: lgdogf

$$\frac{5 x^{4} - 20 x^{3} + 15 x^{2} + 26 x - 31}{(x - 1) (4 x^{5} - 25 x^{4} + 60 x^{3} - 65 x^{2} + 26 x + 1)}$$

Sequence: A055811
Score: 4.67665
Type of gen. func.: ogf

$$-\frac{5 x^{6} - 39 x^{5} + 125 x^{4} - 205 x^{3} + 171 x^{2} - 57 x - 1}{(x - 1)^{6}}$$

Sequence: A055811
Score: 6.57311
Type of gen. func.: lgdogf

$$\frac{9 x^{5} - 55 x^{4} + 115 x^{3} - 69 x^{2} - 57 x + 63}{(x - 1) (5 x^{6} - 39 x^{5} + 125 x^{4} - 205 x^{3} + 171 x^{2} - 57 x - 1)}$$

Sequence: A055814
Score: 27.4729
Type of gen. func.: lgdegf]

$$\frac{x^3 + 2 x^2 + x + 1}{x + 1}$$

Sequence: A055814
Score: 4.81262
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) + (n + 3) a(n + 2) - a(n + 4), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 2\}$$

Sequence: A055819
Score: 12.4486
Type of gen. func.: ogf

$$-\frac{x^2 + x - 1}{x^2 - 3 x + 1}$$

Sequence: A055819
Score: 17.0118
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^2 - 2 x + 1)}{(x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A055819
Score: 6.46839
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A055819
Score: 6.80182
Type of gen. func.: ogf

2 2

$$-(f(x) + 1) (f(x) x - 3 f(x) x + x + f(x) + x - 1)$$

Sequence: A055820
Score: 13.1589
Type of gen. func.: lgdogf

$$\frac{x^3 - x^2 - 7 x + 11}{(x - 1) (2 x^4 - 9 x^3 + 14 x^2 - 7 x - 1)}$$

Sequence: A055820
Score: 4.36716
Type of gen. func.: ogf

$$(418 f(x) + 2561) (f(x) x^4 - 4 f(x) x^3 + 2 x^4 + 6 f(x) x^2 - 9 x^3 - 4 f(x) x + 14 x^2 + f(x) - 7 x - 1)$$

Sequence: A055820
Score: 7.66792
Type of gen. func.: ogf

$$-\frac{2 x^4 - 9 x^3 + 14 x^2 - 7 x - 1}{(x - 1)^4}$$

Sequence: A055821
Score: 7.80891
Type of gen. func.: ogf

$$-\frac{3 x^5 - 18 x^4 + 42 x^3 - 45 x^2 + 18 x + 1}{(x - 1)^5}$$

Sequence: A055821
Score: 8.59240
Type of gen. func.: lgdogf

$$\frac{3x^4 - 12x^3 + 9x^2 + 18x - 23}{(x - 1)(3x^5 - 18x^4 + 42x^3 - 45x^2 + 18x + 1)}$$

Sequence: A055822
Score: 6.39730
Type of gen. func.: ogf

$$-\frac{4x^6 - 30x^5 + 93x^4 - 149x^3 + 123x^2 - 41x - 1}{(x - 1)^6}$$

Sequence: A055823
Score: 5.27598
Type of gen. func.: lgdogf

$$\frac{10x^6 - 78x^5 + 240x^4 - 344x^3 + 172x^2 + 88x - 95}{(x - 1)(5x^7 - 45x^6 + 174x^5 - 370x^4 + 456x^3 - 308x^2 + 88x + 1)}$$

Sequence: A055823
Score: 5.58698
Type of gen. func.: ogf

$$-\frac{5x^7 - 45x^6 + 174x^5 - 370x^4 + 456x^3 - 308x^2 + 88x + 1}{(x - 1)^7}$$

Sequence: A055824
Score: 4.17183
Type of gen. func.: ogf

$$f(x)^2 x^2 + f(x) x^3 - 6 f(x)^2 x - 7 f(x) x^2 - x^3 + f(x)^2 + 7 f(x) x + 3 x^2 - f(x) - 3 x$$

Sequence: A055825
Score: 3.36879

Type of gen. func.: ogf

$$-x^3 f(x)^2 - f(x) x^4 + 6 f(x)^2 x^2 + 7 f(x) x^3 - f(x)^2 x - 8 f(x) x^2 + x^3$$

$$+ 7 f(x) x + x^2 - f(x) - x + 1$$

Sequence: A055831
Score: 20.3786
Type of gen. func.: lgdogf

$$- \frac{(-3 + 2 x) (-5 + x)}{(x - 1) (x^2 - 5 x + 5)}$$

Sequence: A055831
Score: 4.93902
Type of gen. func.: ogf

$$(730 f(x) + 25013)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - x^2 + f(x) + 5 x - 5)$$

Sequence: A055831
Score: 9.66330
Type of gen. func.: ogf

$$\frac{x^2 - 5 x + 5}{(x - 1)^4}$$

Sequence: A055832
Score: 16.5834
Type of gen. func.: lgdogf

$$- \frac{9 x^2 - 34 x + 30}{(x - 1) (x - 2) (3 x - 4)}$$

Sequence: A055832

Score: 7.84615
Type of gen. func.: ogf

$$-\frac{(3x-4)(x-2)}{(x-1)^5}$$

Sequence: A055833
Score: 11.6321
Type of gen. func.: lgdogf

$$-\frac{3x^3-33x^2+82x-58}{(x-1)(x^3-9x^2+20x-13)}$$

Sequence: A055833
Score: 6.07357
Type of gen. func.: ogf

$$-\frac{x^3-9x^2+20x-13}{(x-1)^6}$$

Sequence: A055834
Score: 4.72707
Type of gen. func.: ogf

$$\{(27n^2+27n+6)a(n)+(22n^2+60n+38)a(n+1)$$

$$+(-5n^2-15n-10)a(n+2), a(0)=1, a(1)=1, a(2)=4\}$$

Sequence: A055834
Score: 7.23701
Type of gen. func.: ogf

$$27f(x)^3x-5f(x)^3-54f(x)^2x+10f(x)^2+36f(x)x-6f(x)-8x+1$$

Sequence: A055835

Score: 10.5979
Type of gen. func.: ogf

$$-27 f(x)^{3} x + 5 f(x)^{3} - 6 f(x) + 1$$

Sequence: A055835
Score: 3.20800
Type of gen. func.: ogf

$$\{(-27 n^{2} - 81 n - 60) a(n + 1) + (-22 n^{2} - 104 n - 120) a(n + 2) + (5 n^{2} + 25 n + 30) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 12\}$$

Sequence: A055836
Score: 4.59174
Type of gen. func.: ogf

$$27 f(x)^{3} x^{3} - 5 f(x)^{3} x^{2} + 54 f(x)^{2} x^{2} - 10 f(x)^{2} x + 37 f(x) x - 5 f(x) + x + 10$$

Sequence: A055836
Score: 9.28837
Type of gen. func.: revogf

$$\frac{(-27 x^{2} - 27 x - 10 + ((9 x^{2} + 8 x + 4) (5 + 9 x)^{2})^{1/2}) (x + 1)}{2}$$

Sequence: A055841
Score: 13.1227
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 9\}$$

Sequence: A055841
Score: 13.9533
Type of gen. func.: ogf

$$-(f(x) - 1) (4 f(x) x + x - f(x) - 2 x + 1)$$

Sequence: A055841
Score: 24.4958
Type of gen. func.: ogf

$$-\frac{(x - 1)^2}{4 x - 1}$$

Sequence: A055841
Score: 47.3293
Type of gen. func.: lgdogf

$$\frac{2 (2 x + 1)}{(4 x - 1) (x - 1)}$$

Sequence: A055842
Score: 16.1021
Type of gen. func.: ogf

$$-\frac{(x - 1)^2}{5 x - 1}$$

Sequence: A055842
Score: 32.3583
Type of gen. func.: lgdogf

$$\frac{3 + 5 x}{(5 x - 1) (x - 1)}$$

Sequence: A055842
Score: 8.52465
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2), a(0) = 1, a(1) = 3, a(2) = 16\}$$

Sequence: A055842
Score: 9.05745
Type of gen. func.: ogf

$$-(17 f(x) - 8) (5 f(x) x + x^2 - f(x) - 2 x + 1)$$

Sequence: A055843
Score: 27.9072
Type of gen. func.: lgdogf

$$-\frac{13 + 27 x}{(1 + 3 x) (x - 1)}$$

Sequence: A055843
Score: 4.46471
Type of gen. func.: ogf

{(-n - 3) a(n + 3) + (9 - 2 n) a(n + 2) + (30 + 3 n) a(n + 1), a(0) = 1,

a(1) = 13, a(2) = 85}

Sequence: A055843
Score: 5.50888
Type of gen. func.: ogf

$$\frac{1 + 3 x}{(x - 1)^{10}}$$

Sequence: A055844
Score: 27.0575
Type of gen. func.: lgdogf

$$-\frac{2 (7 + 18 x)}{(4 x + 1) (x - 1)}$$

Sequence: A055844
Score: 4.50827
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-8 + 3 n) a(n + 2) + (-40 - 4 n) a(n + 1), a(0) = 1,

a(1) = 14, a(2) = 95}

Sequence: A055844
Score: 5.56262
Type of gen. func.: ogf

```
 4 x + 1
---------
       10
(x - 1)
```

Sequence: A055845
Score: 12.0894
Type of gen. func.: ogf

```
  4 x + 1
------------
 2
x  - 4 x + 1
```

Sequence: A055845
Score: 12.6585
Type of gen. func.: revogf

```
                  2            1/2
  -4 x - 1 + (12 x  + 24 x + 1)
- --------------------------------
             2 (x - 4)
```

Sequence: A055845
Score: 15.1903
Type of gen. func.: lgdogf

```
            2
      2 (2 x  + x - 4)
- ------------------------
              2
  (4 x + 1) (x  - 4 x + 1)
```

Sequence: A055845
Score: 6.25314
Type of gen. func.: ogf

```
                      2
(15 f(x) + 17) (f(x) x  - 4 f(x) x + f(x) - 4 x - 1)
```

Sequence: A055845
Score: 6.63443
Type of gen. func.: ogf

$$\{-a(n+2)+4a(n+1)-a(n),\ a(0)=1,\ a(1)=8\}$$

Sequence: A055846
Score: 13.1929
Type of gen. func.: ogf

$$-\frac{(x-1)^2}{6x-1}$$

Sequence: A055846
Score: 25.2828
Type of gen. func.: lgdogf

$$\frac{2(3x+2)}{(6x-1)(x-1)}$$

Sequence: A055846
Score: 6.98448
Type of gen. func.: ogf

$$\{-a(n+3)+6a(n+2),\ a(0)=1,\ a(1)=4,\ a(2)=25\}$$

Sequence: A055846
Score: 7.42102
Type of gen. func.: ogf

$$-(13f(x)-5)(6f(x)x+x^2-f(x)-2x+1)$$

Sequence: A055847
Score: 13.5806
Type of gen. func.: ogf

$$-\frac{(x - 1)^2}{8 x - 1}$$

Sequence: A055847
Score: 26.0498
Type of gen. func.: lgdogf

$$\frac{2 (4 x + 3)}{(8 x - 1) (x - 1)}$$

Sequence: A055847
Score: 7.18975
Type of gen. func.: ogf

$$\{-a(n + 3) + 8 a(n + 2), a(0) = 1, a(1) = 6, a(2) = 49\}$$

Sequence: A055847
Score: 7.63912
Type of gen. func.: ogf

$$-(25 f(x) - 7) (8 f(x) x + x^2 - f(x) - 2 x + 1)$$

Sequence: A055848
Score: 27.3240
Type of gen. func.: lgdogf

$$-\frac{15 (1 + 3 x)}{(5 x + 1) (x - 1)}$$

Sequence: A055848
Score: 4.52227
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-7 + 4 n) a(n + 2) + (-50 - 5 n) a(n + 1), a(0) = 1,$$
$$a(1) = 15, a(2) = 105\}$$

Sequence: A055848
Score: 5.61637
Type of gen. func.: ogf

$$\frac{5 x + 1}{(x - 1)^{10}}$$

Sequence: A055849
Score: 13.9736
Type of gen. func.: ogf

$$\frac{6 x + 1}{x^2 - 3 x + 1}$$

Sequence: A055849
Score: 15.0190
Type of gen. func.: revogf

$$- \frac{-1 - 3 x + (5 x^2 + 30 x + 1)^{1/2}}{2 (-6 + x)}$$

Sequence: A055849
Score: 17.5937
Type of gen. func.: lgdogf

$$- \frac{6 x^2 + 2 x - 9}{(6 x + 1) (x^2 - 3 x + 1)}$$

Sequence: A055849
Score: 7.22773
Type of gen. func.: ogf

$$(25 f(x) + 56) (f(x) x^2 - 3 f(x) x + f(x) - 6 x - 1)$$

Sequence: A055849
Score: 7.66845

Type of gen. func.: ogf

$$\{-a(n+2)+3\,a(n+1)-a(n),\ a(0)=1,\ a(1)=9\}$$

Sequence: A055850
Score: 14.0460
Type of gen. func.: ogf

$$\frac{7\,x+1}{x^{2}-3\,x+1}$$

Sequence: A055850
Score: 15.4760
Type of gen. func.: revogf

$$-\frac{-1-3\,x+(5\,x^{2}+34\,x+1)^{1/2}}{2\,(x-7)}$$

Sequence: A055850
Score: 17.1955
Type of gen. func.: lgdogf

$$-\frac{7\,x^{2}+2\,x-10}{(7\,x+1)\,(x^{2}-3\,x+1)}$$

Sequence: A055850
Score: 7.34966
Type of gen. func.: ogf

$$(7\,f(x)+18)\,(f(x)\,x^{2}-3\,f(x)\,x+f(x)-7\,x-1)$$

Sequence: A055850
Score: 7.61531
Type of gen. func.: ogf

$$\{-a(n+2)+3\,a(n+1)-a(n),\ a(0)=1,\ a(1)=10\}$$

Sequence: A055851
Score: 4.77959
Type of gen. func.: ogf

$$-\frac{x\,(9x^8+100x^7+25x^6-162x^5-296x^4-74x^3+9x^2+4x+1)}{(x-1)(x^2+x+1)(x^6-98x^3+1)}$$

Sequence: A055852
Score: 26.3363
Type of gen. func.: lgdogf

$$-\frac{-7+2x}{(2x-1)(x-1)}$$

Sequence: A055852
Score: 5.17618
Type of gen. func.: ogf

$$-\frac{x\,(x-1)^5}{(2x-1)^6}$$

Sequence: A055852
Score: 5.30451
Type of gen. func.: ogf

$$\{(-n-1)\,a(n+2)+(7+3n)\,a(n+1)-2\,a(n)\,n,\ a(0)=0,\ a(1)=1\}$$

Sequence: A055853
Score: 27.1508
Type of gen. func.: lgdogf

$$-\frac{2\,(x-4)}{(2x-1)(x-1)}$$

Sequence: A055853
Score: 4.59301
Type of gen. func.: ogf

$$-\frac{x (x-1)^6}{(2 x-1)^7}$$

Sequence: A055853
Score: 5.46607
Type of gen. func.: ogf

{(-n - 1) a(n + 2) + (8 + 3 n) a(n + 1) - 2 a(n) n, a(0) = 0, a(1) = 1}

Sequence: A055854
Score: 27.2905
Type of gen. func.: lgdogf

$$-\frac{-9 + 2 x}{(2 x - 1) (x - 1)}$$

Sequence: A055854
Score: 3.79368
Type of gen. func.: ogf

$$-\frac{x (x-1)^7}{(2 x-1)^8}$$

Sequence: A055854
Score: 5.26726
Type of gen. func.: ogf

{(-n - 1) a(n + 2) + (9 + 3 n) a(n + 1) - 2 a(n) n, a(0) = 0, a(1) = 1}

Sequence: A055855
Score: 24.7623
Type of gen. func.: lgdogf

$$2 (-5 + x)$$

$$- \frac{\qquad}{(2 x - 1) (x - 1)}$$

Sequence: A055855
Score: 3.21186
Type of gen. func.: ogf

$$- \frac{x (x - 1)^{8}}{(2 x - 1)^{9}}$$

Sequence: A055855
Score: 4.94943
Type of gen. func.: ogf

$$\{(-n - 1) a(n + 2) + (10 + 3 n) a(n + 1) - 2 a(n) n, a(0) = 0, a(1) = 1\}$$

Sequence: A055856
Score: 4.27018
Type of gen. func.: ogf

$$- (x^{10} + 15 x^{9} + 71 x^{8} + 192 x^{7} + 326 x^{6} + 388 x^{5} + 326 x^{4} + 192 x^{3} + 71 x^{2} + 15 x + 1) \Big/ ((x^{2} + x + 1) (x + 1)^{3} (x - 1)^{5})$$

Sequence: A055859
Score: 5.54936
Type of gen. func.: ogf

$$- \frac{x (9 x^{8} + 256 x^{7} + 64 x^{6} - 270 x^{5} - 764 x^{4} - 191 x^{3} + 9 x^{2} + 4 x + 1)}{(x - 1) (x^{2} + x + 1) (x^{6} - 254 x^{3} + 1)}$$

Sequence: A055872
Score: 5.16645
Type of gen. func.: ogf

$$x (4 x + 1) (9 x^{4} - 26 x^{2} + 1)$$

$$-\frac{\quad}{(x-1)(x+1)(x^2+6x+1)(x^2-6x+1)}$$

Sequence: A055879
Score: 14.4004
Type of gen. func.: revogf

$$-\frac{-x^2-1+(x^4-4x^3+6x^2+4x+1)^{1/2}}{2(x^2-x-1)}$$

Sequence: A055879
Score: 9.77726
Type of gen. func.: ogf

$$x^3 f(x)^2 - f(x)^2 x^2 - f(x) x^2 + f(x) - x - 1$$

Sequence: A055882
Score: 13.5599
Type of gen. func.: lgdegf]

$$(-2-n) a(n+2) + 2 a(n+1), a(0) = 2, a(1) = 4$$

Sequence: A055899
Score: 6.21335
Type of gen. func.: ogf

$$-\frac{x^4+2x^3+4x^2+2x+1}{(x+1)^2 (x-1)^7}$$

Sequence: A055899
Score: 9.38638
Type of gen. func.: lgdogf

$$-\frac{5x^5+17x^4+42x^3+42x^2+27x+7}{(x-1)(x+1)(x^4+2x^3+4x^2+2x+1)}$$

Sequence: A055900
Score: 3.83404
Type of gen. func.: ogf

$$-\frac{x^6+3x^5+9x^4+9x^3+9x^2+3x+1}{(x+1)^3(x-1)^9}$$

Sequence: A055900
Score: 6.29416
Type of gen. func.: lgdogf

$$-\frac{3(2x^7+9x^6+32x^5+50x^4+60x^3+38x^2+16x+3)}{(x-1)(x+1)(x^6+3x^5+9x^4+9x^3+9x^2+3x+1)}$$

Sequence: A055908
Score: 10.3562
Type of gen. func.: lgdogf

$$-\frac{6x^6+3x^5+13x^4+15x^3+11x^2+8x+4}{(x-1)(x+1)(x^2+1)(x^3+x+1)}$$

Sequence: A055908
Score: 6.88203
Type of gen. func.: ogf

$$-\frac{x^3+x+1}{(x^2+1)(x+1)^2(x-1)^5}$$

Sequence: A055909
Score: 4.30049
Type of gen. func.: ogf

5   4   3

$$-\frac{x - x + 3 x + x + 1}{(x + 1)^2 (x^2 + 1)^2 (x - 1)^7}$$

Sequence: A055909
Score: 7.33291
Type of gen. func.: lgdogf

$$-\frac{8 x^8 - 4 x^7 + 30 x^6 + 15 x^5 + 27 x^4 + 29 x^3 + 19 x^2 + 10 x + 6}{(x - 1) (x + 1) (x^2 + 1) (x^5 - x^4 + 3 x^3 + x + 1)}$$

Sequence: A055920
Score: 5.34479
Type of gen. func.: ogf

$$-\frac{x^8 + 14 x^7 + 56 x^6 + 122 x^5 + 146 x^4 + 122 x^3 + 56 x^2 + 14 x + 1}{(x + 1)^3 (x - 1)^5}$$

Sequence: A055958
Score: 4.48891
Type of gen. func.: ogf

$$- 2 x (32 x^{17} - 4 x^{16} - 4 x^{15} - 4 x^{14} - 4 x^{13} - 4 x^{12} - 4 x^{11} - 4 x^{10} - 4 x^9 + 3 x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 1) / ((x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2)$$

Sequence: A055961
Score: 5.17120
Type of gen. func.: ogf

$$\frac{10 x^{11} (10 x^{11} - x^{10} - x^9 - x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x + 1)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A055963
Score: 4.72984
Type of gen. func.: ogf

$$11 x^{12} (11 x^{12} - x^{11} - x^{10} - x^{9} - x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x + 1) / ((x + 1) (x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2})$$

Sequence: A055966
Score: 6.61396
Type of gen. func.: ogf

$$- \frac{x (34 x^{21} - 34 x^{20} + 19 x^{19} + 4 x - 2)}{(21 x^{21} - 21 x^{20} - 2 x + 1) (x - 1)^{2}}$$

Sequence: A055966
Score: 8.53341
Type of gen. func.: lgdogf

$$- \frac{30720 x^{21} - 59592 x^{20} + 35017 x^{19} - 6859 x^{18} - 160 x + 76}{(x - 1) (160 x^{21} - 156 x^{20} - 361 x^{19} - 80 x + 38)}$$

Sequence: A055979
Score: 10.2881
Type of gen. func.: ogf

$$- \frac{x^{3} + 2 x^{2} - 11 x - 4}{(x^{2} + 6 x + 1) (x^{2} - 6 x + 1)}$$

Sequence: A055979
Score: 6.10002
Type of gen. func.: ogf

$$(6785688 f(x) - 14099) (f(x) x^{4} - 34 f(x) x^{2} + x^{3} + 2 x^{2} + f(x) - 11 x - 4)$$

Sequence: A055979
Score: 6.64114
Type of gen. func.: lgdogf

$$-\frac{x^6 + 4x^5 + x^4 - 16x^3 + 371x^2 + 268x + 11}{(x^2 + 6x + 1)(x^2 - 6x + 1)(x^3 + 2x^2 - 11x - 4)}$$

Sequence: A055988
Score: 11.8622
Type of gen. func.: lgdogf

$$-\frac{x^4 - 4x^3 + 6x^2 - 2x + 2}{(x - 1)(x^4 - 4x^3 + 6x^2 - 5x + 1)}$$

Sequence: A055988
Score: 4.73501
Type of gen. func.: ogf

$$(16 f(x) + 3)$$

$$(f(x)x^4 - 4 f(x)x^3 + 6 f(x)x^2 + x^3 - 5 f(x)x - 3x^2 + f(x) + 3x - 1)$$

Sequence: A055988
Score: 8.48614
Type of gen. func.: ogf

$$-\frac{(x - 1)^3}{x^4 - 4x^3 + 6x^2 - 5x + 1}$$

Sequence: A055989
Score: 10.4820
Type of gen. func.: lgdogf

$$-\frac{2x^4 - 8x^3 + 12x^2 - 7x + 3}{}$$

$$(x - 1) (x^4 - 4 x^3 + 6 x^2 - 5 x + 1)$$

Sequence: A055989
Score: 4.65791
Type of gen. func.: ogf

$$(205 f(x) + 2)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 5 f(x) x - x^2 + f(x) + 2 x - 1)$$

Sequence: A055989
Score: 8.84328
Type of gen. func.: ogf

$$\frac{(x - 1)^2}{x^4 - 4 x^3 + 6 x^2 - 5 x + 1}$$

Sequence: A055990
Score: 10.1072
Type of gen. func.: ogf

$$- \frac{x - 1}{x^4 - 4 x^3 + 6 x^2 - 5 x + 1}$$

Sequence: A055990
Score: 10.2344
Type of gen. func.: lgdogf

$$- \frac{3 x^4 - 12 x^3 + 18 x^2 - 12 x + 4}{(x - 1) (x^4 - 4 x^3 + 6 x^2 - 5 x + 1)}$$

Sequence: A055990
Score: 4.85466
Type of gen. func.: ogf

4 3 2

$$-(79 f(x) - 11) (f(x) x - 4 f(x) x + 6 f(x) x - 5 f(x) x + f(x) + x - 1)$$

Sequence: A055991
Score: 12.7771
Type of gen. func.: ogf

$$\frac{1}{x^4 - 4 x^3 + 6 x^2 - 5 x + 1}$$

Sequence: A055991
Score: 13.0503
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 12 x^2 + 12 x - 5}{x^4 - 4 x^3 + 6 x^2 - 5 x + 1}$$

Sequence: A055991
Score: 5.2173
Type of gen. func.: ogf

$$(231 f(x) + 61) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 5 f(x) x + f(x) - 1)$$

Sequence: A055994
Score: 27.4573
Type of gen. func.: lgdogf

$$-\frac{2 (8 + 27 x)}{(6 x + 1) (x - 1)}$$

Sequence: A055994
Score: 4.54391
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-6 + 5 n) a(n + 2) + (-60 - 6 n) a(n + 1), a(0) = 1,$$
$$a(1) = 16, a(2) = 115\}$$

Sequence: A055994
Score: 5.64324
Type of gen. func.: ogf

$$\frac{6 x + 1}{(x - 1)^{10}}$$

Sequence: A055995
Score: 12.6938
Type of gen. func.: ogf

$$-\frac{(x - 1)^{2}}{9 x - 1}$$

Sequence: A055995
Score: 26.6402
Type of gen. func.: lgdogf

$$\frac{7 + 9 x}{(9 x - 1) (x - 1)}$$

Sequence: A055995
Score: 6.72025
Type of gen. func.: ogf

$$\{-a(n + 3) + 9 a(n + 2), a(0) = 1, a(1) = 7, a(2) = 64\}$$

Sequence: A055995
Score: 7.23065
Type of gen. func.: ogf

$$-(f(x) - 1) (9 f(x) x + x^{2} - f(x) - 2 x + 1)$$

Sequence: A055996
Score: 12.4178
Type of gen. func.: ogf

$$-\frac{(x-1)^2}{10x-1}$$

Sequence: A055996
Score: 23.3102
Type of gen. func.: lgdogf

$$\frac{2(4+5x)}{(10x-1)(x-1)}$$

Sequence: A055996
Score: 6.64210
Type of gen. func.: ogf

$$\{-a(n+3)+10a(n+2), a(0)=1, a(1)=8, a(2)=81\}$$

Sequence: A055996
Score: 7.05211
Type of gen. func.: ogf

$$-(41 f(x)-9)(10 f(x) x+x^2-f(x)-2x+1)$$

Sequence: A055997
Score: 12.3475
Type of gen. func.: ogf

$$-\frac{2x^2-5x+1}{(x-1)(x^2-6x+1)}$$

Sequence: A055997
Score: 6.54955
Type of gen. func.: ogf

$$(1336 f(x)+89)(f(x) x^3-7 f(x) x^2+7 f(x) x+2x^2-f(x)-5x+1)$$

Sequence: A055997
Score: 6.72498
Type of gen. func.: ogf

$$\{-a(n+3) + 7\,a(n+2) - 7\,a(n+1) + a(n),\ a(0) = 1,\ a(1) = 2,\ a(2) = 9\}$$

Sequence: A055997
Score: 9.23676
Type of gen. func.: lgdogf

$$-\frac{2\,(x^4 - 5\,x^3 + 12\,x^2 - 5\,x + 1)}{(x - 1)\,(x^2 - 6\,x + 1)\,(2\,x^2 - 5\,x + 1)}$$

Sequence: A055998
Score: 12.9045
Type of gen. func.: ogf

$$\frac{x\,(2\,x - 3)}{(x - 1)^3}$$

Sequence: A055998
Score: 31.4730
Type of gen. func.: lgdogf

$$-\frac{-7 + 4\,x}{(x - 1)\,(2\,x - 3)}$$

Sequence: A055998
Score: 6.62661
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 0,\ a(1) = 3,\ a(2) = 7\}$$

Sequence: A055998
Score: 7.42984
Type of gen. func.: ogf

3 2 2

$$f(x) (f(x) x - 3 f(x) x + 3 f(x) x - 2 x - f(x) + 3 x)$$

Sequence: A055999
Score: 14.2106
Type of gen. func.: ogf

$$\frac{x (3 x - 4)}{(x - 1)^3}$$

Sequence: A055999
Score: 31.9260
Type of gen. func.: lgdogf

$$- \frac{3 (2 x - 3)}{(x - 1) (3 x - 4)}$$

Sequence: A055999
Score: 7.04352
Type of gen. func.: ogf

$$-(67 f(x) - 1365) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 3 x^2 - f(x) + 4 x)$$

Sequence: A055999
Score: 7.29733
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 4, a(2) = 9\}$$

Sequence: A056000
Score: 14.0028
Type of gen. func.: ogf

$$\frac{x (4 x - 5)}{(x - 1)^3}$$

Sequence: A056000

Score: 32.7653
Type of gen. func.: lgdogf

$$-\frac{-11 + 8 x}{(x - 1) (4 x - 5)}$$

Sequence: A056000
Score: 7.06337
Type of gen. func.: ogf

$$-(7 f(x) - 279) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 4 x^2 - f(x) + 5 x)$$

Sequence: A056000
Score: 7.12644
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 5, a(2) = 11\}$$

Sequence: A056001
Score: 27.6295
Type of gen. func.: lgdogf

$$-\frac{8 (2 + 7 x)}{(7 x + 1) (x - 1)}$$

Sequence: A056001
Score: 4.39245
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-4 + 6 n) a(n + 2) + (-63 - 7 n) a(n + 1), a(0) = 1,$$

$$a(1) = 16, a(2) = 108\}$$

Sequence: A056001
Score: 6.20584
Type of gen. func.: ogf

$$-\frac{7 x + 1}{(x - 1)^9}$$

Sequence: A056002
Score: 12.0013
Type of gen. func.: ogf

$$-\frac{(x-1)^2}{11x-1}$$

Sequence: A056002
Score: 23.5000
Type of gen. func.: lgdogf

$$\frac{9+11x}{(11x-1)(x-1)}$$

Sequence: A056002
Score: 6.34553
Type of gen. func.: ogf

$$\{-a(n+3)+11\,a(n+2),\ a(0)=1,\ a(1)=9,\ a(2)=100\}$$

Sequence: A056002
Score: 6.65134
Type of gen. func.: ogf

$$-(101\,f(x)-20)\,(11\,f(x)\,x+x^2-f(x)-2x+1)$$

Sequence: A056003
Score: 26.1031
Type of gen. func.: lgdogf

$$-\frac{18(1+4x)}{(8x+1)(x-1)}$$

Sequence: A056003
Score: 4.32312
Type of gen. func.: ogf

$\{(n + 3) a(n + 3) + (-4 + 7 n) a(n + 2) + (-80 - 8 n) a(n + 1), a(0) = 1,$
$a(1) = 18, a(2) = 135\}$

Sequence: A056003
Score: 5.36903
Type of gen. func.: ogf

$$\frac{8 x + 1}{(x - 1)^{10}}$$

Sequence: A056005
Score: 15.4302
Type of gen. func.: lgdogf

$$- \frac{10 x^3 - 30 x^2 + 9 x + 19}{(x - 1) (x - 2) (2 x^2 - 2 x - 1)}$$

Sequence: A056005
Score: 4.14474
Type of gen. func.: ogf

$\{(11 n^2 + 73 n + 120) a(n + 1) + (-25 n^2 - 90 n + 20) a(n + 2)$
$+ (14 n^2 - 4 n) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 2\}$

Sequence: A056005
Score: 6.35300
Type of gen. func.: ogf

$$\frac{x^3 (x - 2) (2 x^2 - 2 x - 1)}{(x - 1)^8}$$

Sequence: A056010
Score: 10.7769
Type of gen. func.: ogf

$$-f(x)^2 x^2 - 2 f(x) x + f(x) + x - 1$$

Sequence: A056010
Score: 15.4828
Type of gen. func.: revogf

$$\frac{x^2}{2} + x + 1/2 - \frac{(x^4 + 4 x^3 + 6 x^2 + 1)^{1/2}}{2}$$

Sequence: A056010
Score: 4.16529
Type of gen. func.: ogf

{(-4 n - 6) a(n + 1) + (4 n + 18) a(n + 3) + (-n - 6) a(n + 4), a(0) = 1,

a(1) = 1, a(2) = 3, a(3) = 8}

Sequence: A056014
Score: 13.1256
Type of gen. func.: ogf

$$- \frac{x^3}{(x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A056014
Score: 14.5406
Type of gen. func.: lgdogf

$$- \frac{2 (x - 2) (2 x - 1) (x + 1)}{(x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A056014
Score: 5.31532
Type of gen. func.: ogf

4 3 2 3

```
     (2 f(x) - 1) (f(x) x  - 2 f(x) x  - 3 f(x) x  + x  + 4 f(x) x - f(x))
```

Sequence: A056015
Score: 9.22482
Type of gen. func.: lgdogf

```
                           5      4      3      2
                     2 (3 x  + 5 x  - 6 x  - 6 x  - 5 x + 3)
                   - ---------------------------------------
                        3    2                3    2
                      (x  + x  - 5 x + 1) (x  + x  + x - 1)
```

Sequence: A056015
Score: 9.27312
Type of gen. func.: ogf

```
                                        1
                    - --------------------------------------
                        3    2                3    2
                      (x  + x  - 5 x + 1) (x  + x  + x - 1)
```

Sequence: A056016
Score: 13.2981
Type of gen. func.: ogf

```
                                   2
                                4 x  + 3 x + 1
                               -----------------
                                3    2
                               x  + x  + 2 x + 1
```

Sequence: A056016
Score: 15.1247
Type of gen. func.: lgdogf

```
                              4      3      2
                           4 x  + 6 x  - 2 x  - 6 x - 1
                     - ------------------------------------
                           2                3    2
                       (4 x  + 3 x + 1) (x  + x  + 2 x + 1)
```

Sequence: A056016
Score: 7.24271
Type of gen. func.: ogf

```
    {-a(n + 3) - 2 a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 1, a(2) = 1}
```

Sequence: A056016
Score: 7.30794
Type of gen. func.: ogf

$$(f(x) - 2) (f(x) x^3 + f(x) x^2 + 2 f(x) x - 4 x^2 + f(x) - 3 x - 1)$$

Sequence: A056020
Score: 13.7199
Type of gen. func.: ogf

$$\frac{x^2 + 7 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A056020
Score: 18.6532
Type of gen. func.: lgdogf

$$- \frac{x^3 + 15 x^2 + 12 x + 8}{(x - 1) (x + 1) (x^2 + 7 x + 1)}$$

Sequence: A056020
Score: 7.40629
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 8, a(2) = 10\}$$

Sequence: A056020
Score: 7.47243
Type of gen. func.: ogf

$$(9 f(x) + 95) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - 7 x - 1)$$

Sequence: A056021

Score: 10.7859
Type of gen. func.: ogf

$$\frac{(x^2 + 3 x + 1)^2}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A056021
Score: 13.0984
Type of gen. func.: lgdogf

$$- \frac{x^5 + 10 x^4 + 9 x^3 + 5 x^2 + 8 x + 7}{(x - 1) (x + 1) (x^2 + 1) (x^2 + 3 x + 1)}$$

Sequence: A056022
Score: 8.72429
Type of gen. func.: ogf

$$\frac{x^6 + 17 x^5 + x^4 + 11 x^3 + x^2 + 17 x + 1}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A056024
Score: 6.26840
Type of gen. func.: ogf

$$(x^{10} + 2 x^9 + 6 x^8 + 18 x^7 + 13 x^6 + 41 x^5 + 13 x^4 + 18 x^3 + 6 x^2 + 2 x + 1) \Big/ ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A056025
Score: 5.38079
Type of gen. func.: ogf

$$(x^{12} + 18 x^{11} + 3 x^{10} + x^9 + 47 x^8 + 10 x^7 + 9 x^6 + 10 x^5 + 47 x^4 + x^3 + 3 x^2 + 18 x + 1) \Big/ ((x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1)$$

$$(x - 1)^2)$$

Sequence: A056026
Score: 10.0206
Type of gen. func.: ogf

$$\frac{x^4 + 25 x^3 + 173 x^2 + 25 x + 1}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A056026
Score: 7.80742
Type of gen. func.: lgdogf

$$- \frac{x^7 + 51 x^6 + 545 x^5 + 299 x^4 + 232 x^3 + 274 x^2 + 372 x + 26}{(x - 1) (x + 1) (x^4 + 25 x^3 + 173 x^2 + 25 x + 1) (x^2 + 1)}$$

Sequence: A056040
Score: 13.7118
Type of gen. func.: lgdogf

$$- \frac{16 x^3 - 8 x^2 - 4 x - 1}{(2 x + 1) (2 x - 1) (4 x^2 - x - 1)}$$

Sequence: A056040
Score: 3.75379
Type of gen. func.: ogf

$$\{(24 n^2 + 24 n) a(n) + (-20 n^2 - 80 n - 68) a(n + 1) + (-6 n^2 + 34) a(n + 2)$$

$$+ (5 n^2 + 15 n) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 6\}$$

Sequence: A056046
Score: 6.56131
Type of gen. func.: ogf

$$-\frac{2x^3(31x^2-6x-1)}{(x-1)(4x-1)(3x-1)(2x-1)(7x-1)(5x-1)}$$

Sequence: A056074
Score: 11.3850
Type of gen. func.: lgdogf

$$-\frac{8x^3-24x^2+6x+17}{(x-1)(x-2)(2x^2-2x-1)}$$

Sequence: A056074
Score: 5.33152
Type of gen. func.: ogf

$$-\frac{(x-2)(2x^2-2x-1)}{(x-1)^7}$$

Sequence: A056078
Score: 17.5214
Type of gen. func.: lgdogf

$$-\frac{3(2x^3-6x^2+x+5)}{(x-1)(x-2)(2x^2-2x-1)}$$

Sequence: A056078
Score: 4.62108
Type of gen. func.: ogf

$$\{(3n^2+15n+18)a(n+1)+(-7n^2-26n-15)a(n+2)$$
$$+(4n^2+6n+2)a(n+3), a(0)=0, a(1)=0, a(2)=2\}$$

Sequence: A056078
Score: 7.82029
Type of gen. func.: ogf

$$\frac{x^2 (x - 2) (2 x^2 - 2 x - 1)}{(x - 1)^6}$$

Sequence: A056081
Score: 13.2556
Type of gen. func.: ogf

$$\frac{x^2 + 25 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A056081
Score: 17.5211
Type of gen. func.: lgdogf

$$- \frac{x^3 + 51 x^2 + 30 x + 26}{(x - 1) (x + 1) (x^2 + 25 x + 1)}$$

Sequence: A056081
Score: 7.02436
Type of gen. func.: ogf

$$(126 f(x) + 3427) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - 25 x - 1)$$

Sequence: A056081
Score: 7.20921
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 26, a(2) = 28\}$$

Sequence: A056082
Score: 10.3133
Type of gen. func.: ogf

$$\frac{x^4 + 56 x^3 + 11 x^2 + 56 x + 1}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A056082
Score: 7.85854
Type of gen. func.: lgdogf

$$- \frac{x^7 + 113 x^6 + 90 x^5 + 292 x^4 + 132 x^3 + 236 x^2 + 79 x + 57}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 56 x^3 + 11 x^2 + 56 x + 1)}$$

Sequence: A056083
Score: 8.20198
Type of gen. func.: ogf

$$\frac{x^6 + 17 x^5 + x^4 + 305 x^3 + x^2 + 17 x + 1}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A056084
Score: 11.9211
Type of gen. func.: ogf

$$\frac{x^2 + 727 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A056084
Score: 14.4387
Type of gen. func.: lgdogf

$$- \frac{x^3 + 1455 x^2 + 732 x + 728}{(x - 1) (x + 1) (x^2 + 727 x + 1)}$$

Sequence: A056084
Score: 6.47440
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 728, a(2) = 730\}$$

Sequence: A056084
Score: 6.61508
Type of gen. func.: ogf

$$(262449 f(x) + 191326775) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - 727 x - 1)$$

Sequence: A056085
Score: 5.57511
Type of gen. func.: ogf

$$(x^{10} + 123 x^9 + 37 x^8 + 435 x^7 + 36 x^6 + 67 x^5 + 36 x^4 + 435 x^3 + 37 x^2 + 123 x + 1) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A056087
Score: 6.26337
Type of gen. func.: lgdogf

$$- \frac{x^7 + 2751 x^6 + 3245 x^5 + 7499 x^4 + 3382 x^3 + 6124 x^2 + 2622 x + 1376}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1375 x^3 + 623 x^2 + 1375 x + 1)}$$

Sequence: A056087
Score: 8.64261
Type of gen. func.: ogf

$$\frac{x^4 + 1375 x^3 + 623 x^2 + 1375 x + 1}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A056091

Score: 7.24119
Type of gen. func.: lgdogf

$$-\frac{x^7 + 363 x^6 + 965 x^5 + 1167 x^4 + 632 x^3 + 986 x^2 + 704 x + 182}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 181 x^3 + 261 x^2 + 181 x + 1)}$$

Sequence: A056091
Score: 9.51629
Type of gen. func.: ogf

$$\frac{x^4 + 181 x^3 + 261 x^2 + 181 x + 1}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A056092
Score: 7.31120
Type of gen. func.: ogf

$$\frac{x^6 + 1046 x^5 + x^4 + 305 x^3 + x^2 + 1046 x + 1}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A056094
Score: 4.80325
Type of gen. func.: ogf

$$(x^{10} + 1962 x^9 + 103 x^8 + 720 x^7 + 4030 x^6 + 1009 x^5 + 4030 x^4 + 720 x^3 + 103 x^2 + 1962 x + 1) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A056096
Score: 4.93478
Type of gen. func.: ogf

$$-f(x)^3 x^3 - 8 f(x)^2 x^2 - 15 f(x) x + 4 f(x) - x - 4$$

Sequence: A056096
Score: 6.23953
Type of gen. func.: revogf

$$-2 - \frac{15 x}{2} - 4 x^2 - \frac{x^3}{2} + \frac{((x^2 + 6 x + 1) (x + 4)^2 (x + 1)^2)^{1/2}}{2}$$

Sequence: A056102
Score: 6.20105
Type of gen. func.: lgdogf

$$- \frac{x^7 + 2135 x^6 + 4035 x^5 + 6325 x^4 + 3132 x^3 + 5258 x^2 + 3046 x + 1068}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1067 x^3 + 989 x^2 + 1067 x + 1)}$$

Sequence: A056102
Score: 8.55829
Type of gen. func.: ogf

$$\frac{x^4 + 1067 x^3 + 989 x^2 + 1067 x + 1}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A056103
Score: 6.88153
Type of gen. func.: ogf

$$\frac{x^6 + 1352 x^5 + x^4 + 14099 x^3 + x^2 + 1352 x + 1}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A056105
Score: 13.1915
Type of gen. func.: ogf

$$- \frac{6 x^2 - x + 1}{}$$

$$(x - 1)^3$$

Sequence: A056105
Score: 23.2141
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^2 + 5 x + 1)}{(x - 1) (6 x^2 - x + 1)}$$

Sequence: A056105
Score: 6.65025
Type of gen. func.: ogf

$$-(4428 f(x) - 7795) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 6 x^2 - f(x) - x + 1)$$

Sequence: A056105
Score: 7.18465
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 9\}$$

Sequence: A056106
Score: 14.2523
Type of gen. func.: ogf

$$-\frac{5 x^2 + 1}{(x - 1)^3}$$

Sequence: A056106
Score: 25.7091
Type of gen. func.: lgdogf

$$-\frac{5 x^2 + 10 x + 3}{(x - 1) (5 x^2 + 1)}$$

Sequence: A056106
Score: 7.18922
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 1,\ a(1) = 3,\ a(2) = 11\}$$

Sequence: A056106
Score: 7.31875
Type of gen. func.: ogf

$$(351\,f(x) - 581)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 5\,x^2 - f(x) + 1)$$

Sequence: A056107
Score: 13.3177
Type of gen. func.: ogf

$$-\frac{4\,x^2 + x + 1}{(x - 1)^3}$$

Sequence: A056107
Score: 23.4406
Type of gen. func.: lgdogf

$$-\frac{2\,(x + 2)\,(2\,x + 1)}{(x - 1)\,(4\,x^2 + x + 1)}$$

Sequence: A056107
Score: 7.06418
Type of gen. func.: ogf

$$(260\,f(x) - 431)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 4\,x^2 - f(x) + x + 1)$$

Sequence: A056107
Score: 7.18922
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 4, a(2) = 13\}$$

Sequence: A056108
Score: 13.3177
Type of gen. func.: ogf

$$-\frac{3 x^2 + 2 x + 1}{(x - 1)^3}$$

Sequence: A056108
Score: 22.7709
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 10 x + 5}{(x - 1) (3 x^2 + 2 x + 1)}$$

Sequence: A056108
Score: 7.06418
Type of gen. func.: ogf

$$(216 f(x) - 391) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) + 2 x + 1)$$

Sequence: A056108
Score: 7.18922
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 5, a(2) = 15\}$$

Sequence: A056109
Score: 13.3809
Type of gen. func.: ogf

$$-\frac{(x + 1) (2 x + 1)}{(x - 1)^3}$$

Sequence: A056109
Score: 23.5539
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + 5 x + 3)}{(x - 1) (2 x + 1) (x + 1)}$$

Sequence: A056109
Score: 6.85909
Type of gen. func.: ogf

$$(10476 f(x) - 22631) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x) + 3 x + 1)$$

Sequence: A056109
Score: 7.22329
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 6, a(2) = 17\}$$

Sequence: A056114
Score: 30.9792
Type of gen. func.: lgdogf

$$-\frac{10 (9 x + 2)}{(9 x + 1) (x - 1)}$$

Sequence: A056114
Score: 5.11655
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-4 + 8 n) a(n + 2) + (-99 - 9 n) a(n + 1), a(0) = 1, a(1) = 20, a(2) = 165\}$$

Sequence: A056114
Score: 5.83665
Type of gen. func.: ogf

$$-\frac{9x+1}{(x-1)^{11}}$$

Sequence: A056115
Score: 14.1408
Type of gen. func.: ogf

$$\frac{x(5x-6)}{(x-1)^{3}}$$

Sequence: A056115
Score: 31.7692
Type of gen. func.: lgdogf

$$-\frac{-13+10x}{(x-1)(5x-6)}$$

Sequence: A056115
Score: 6.94848
Type of gen. func.: ogf

$$-(135 f(x) - 9331)(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x - 5 x^{2} - f(x) + 6 x)$$

Sequence: A056115
Score: 7.19665
Type of gen. func.: ogf

$$\{a(n+3) - 3 a(n+2) + 3 a(n+1) - a(n), a(0) = 0, a(1) = 6, a(2) = 13\}$$

Sequence: A056116
Score: 10.8401
Type of gen. func.: ogf

$$-\frac{(x-1)^{2}}{12x-1}$$

Sequence: A056116
Score: 20.3047
Type of gen. func.: lgdogf

$$\frac{2 (5 + 6 x)}{(12 x - 1) (x - 1)}$$

Sequence: A056116
Score: 5.66642
Type of gen. func.: ogf

$$\{-a(n + 3) + 12 a(n + 2), a(0) = 1, a(1) = 10, a(2) = 121\}$$

Sequence: A056116
Score: 6.08104
Type of gen. func.: ogf

$$-(61 f(x) - 11) (12 f(x) x + x^2 - f(x) - 2 x + 1)$$

Sequence: A056117
Score: 27.7683
Type of gen. func.: lgdogf

$$-\frac{17 + 64 x}{(8 x + 1) (x - 1)}$$

Sequence: A056117
Score: 4.41408
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-3 + 7 n) a(n + 2) + (-72 - 8 n) a(n + 1), a(0) = 1,$$

$$a(1) = 17, a(2) = 117\}$$

Sequence: A056117
Score: 6.23641
Type of gen. func.: ogf

$$8 x + 1$$

$$-\frac{\quad}{(x-1)^9}$$

Sequence: A056118
Score: 26.3929
Type of gen. func.: lgdogf

$$-\frac{2(8+25x)}{(10x+1)(x-1)}$$

Sequence: A056118
Score: 4.54597
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (2 + 9 n) a(n + 2) + (-60 - 10 n) a(n + 1), a(0) = 1,

a(1) = 16, a(2) = 81}

Sequence: A056118
Score: 8.64295
Type of gen. func.: ogf

$$\frac{10x+1}{(x-1)^6}$$

Sequence: A056119
Score: 14.2098
Type of gen. func.: ogf

$$\frac{x(6x-7)}{(x-1)^3}$$

Sequence: A056119
Score: 31.9265
Type of gen. func.: lgdogf

$$-\frac{3(4x-5)}{(x-1)(6x-7)}$$

Sequence: A056119
Score: 7.0431
Type of gen. func.: ogf

$$-(89 f(x) - 9804) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 6 x^2 - f(x) + 7 x)$$

Sequence: A056119
Score: 7.23176
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 7, a(2) = 15}

Sequence: A056120
Score: 5.38542
Type of gen. func.: ogf

{-a(n + 4) + 4 a(n + 3), a(0) = 1, a(1) = 1, a(2) = 7, a(3) = 27}

Sequence: A056120
Score: 5.93621
Type of gen. func.: ogf

$$(1139 f(x) + 621) (-x^3 + 4 f(x) x + 3 x^2 - f(x) - 3 x + 1)$$

Sequence: A056120
Score: 9.85634
Type of gen. func.: ogf

$$\frac{(x - 1)^3}{4 x - 1}$$

Sequence: A056121
Score: 14.3477
Type of gen. func.: ogf

$$\frac{x (7 x - 8)}{}$$

$$(x - 1)^3$$

Sequence: A056121
Score: 32.2410
Type of gen. func.: lgdogf

$$- \frac{-17 + 14 x}{(x - 1) (7 x - 8)}$$

Sequence: A056121
Score: 6.98991
Type of gen. func.: ogf

$$-(227 f(x) - 37449) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 7 x^2 - f(x) + 8 x)$$

Sequence: A056121
Score: 7.30197
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 8, a(2) = 17\}$$

Sequence: A056122
Score: 27.1907
Type of gen. func.: lgdogf

$$- \frac{17 + 63 x}{(7 x + 1) (x - 1)}$$

Sequence: A056122
Score: 4.32312
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-5 + 6 n) a(n + 2) + (-70 - 7 n) a(n + 1), a(0) = 1,$$
$$a(1) = 17, a(2) = 125\}$$

Sequence: A056122
Score: 5.36903

Type of gen. func.: ogf

$$\frac{7 x + 1}{(x - 1)^{10}}$$

Sequence: A056123
Score: 14.1908
Type of gen. func.: ogf

$$\frac{8 x + 1}{x^2 - 3 x + 1}$$

Sequence: A056123
Score: 15.2574
Type of gen. func.: revogf

$$- \frac{-1 - 3 x + (5 x^2 + 38 x + 1)^{1/2}}{2 (-8 + x)}$$

Sequence: A056123
Score: 17.3765
Type of gen. func.: lgdogf

$$- \frac{8 x^2 + 2 x - 11}{(8 x + 1) (x^2 - 3 x + 1)}$$

Sequence: A056123
Score: 7.34008
Type of gen. func.: ogf

$$(31 f(x) + 90) (f(x) x^2 - 3 f(x) x + f(x) - 8 x - 1)$$

Sequence: A056123
Score: 7.69383
Type of gen. func.: ogf

$$\{-a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 1,\ a(1) = 11\}$$

Sequence: A056124
Score: 11.3572
Type of gen. func.: ogf

$$-\frac{7x + 1}{(x - 1)(x^2 - 3x + 1)}$$

Sequence: A056124
Score: 12.0215
Type of gen. func.: lgdogf

$$-\frac{14x^3 - 25x^2 - 8x + 11}{(x - 1)(7x + 1)(x^2 - 3x + 1)}$$

Sequence: A056124
Score: 5.28010
Type of gen. func.: ogf

$$\{a(n+3) - 4\,a(n+2) + 4\,a(n+1) - a(n),\ a(0) = 1,\ a(1) = 11,\ a(2) = 40\}$$

Sequence: A056124
Score: 5.32681
Type of gen. func.: ogf

$$(196239\,f(x) - 362129)\,(f(x)\,x^3 - 4\,f(x)\,x^2 + 4\,f(x)\,x - f(x) + 7x + 1)$$

Sequence: A056125
Score: 26.7909
Type of gen. func.: lgdogf

$$-\frac{18\,(1 + 4x)}{(9x + 1)(x - 1)}$$

Sequence: A056125
Score: 4.43572
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-2 + 8 n) a(n + 2) + (-81 - 9 n) a(n + 1), a(0) = 1, a(1) = 18, a(2) = 126\}$$

Sequence: A056125
Score: 6.26698
Type of gen. func.: ogf

$$-\frac{9 x + 1}{(x - 1)^9}$$

Sequence: A056126
Score: 14.4167
Type of gen. func.: ogf

$$\frac{x (8 x - 9)}{(x - 1)^3}$$

Sequence: A056126
Score: 32.3983
Type of gen. func.: lgdogf

$$-\frac{-19 + 16 x}{(x - 1) (8 x - 9)}$$

Sequence: A056126
Score: 7.02352
Type of gen. func.: ogf

$$-(141 f(x) - 33215) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 8 x^2 - f(x) + 9 x)$$

Sequence: A056126
Score: 7.33707
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 9, a(2) = 19\}$$

Sequence: A056128
Score: 30.1231
Type of gen. func.: lgdogf

$$-\frac{4 (5 + 22 x)}{(8 x + 1) (x - 1)}$$

Sequence: A056128
Score: 4.97666
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-6 + 7 n) a(n + 2) + (-96 - 8 n) a(n + 1), a(0) = 1,$$
$$a(1) = 20, a(2) = 174\}$$

Sequence: A056128
Score: 5.24936
Type of gen. func.: ogf

$$\frac{8 x + 1}{(x - 1)^{12}}$$

Sequence: A056136
Score: 12.8851
Type of gen. func.: ogf

$$-\frac{3 x^2 + 2 x + 1}{(x - 1)^3 (x + 1)^3}$$

Sequence: A056136
Score: 17.1146
Type of gen. func.: lgdogf

$$-\frac{2 (6 x^3 + 5 x^2 + 6 x + 1)}{{}^{2}}$$

$$(x - 1) (x + 1) (3 x + 2 x + 1)$$

Sequence: A056143
Score: 6.58113
Type of gen. func.: ogf

$$\frac{x (101 x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}{(x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A056158
Score: 25.9446
Type of gen. func.: lgdegf]

$$\frac{x^{2} + 3 x + 1}{(x + 2) (x + 1)}$$

Sequence: A056161
Score: 7.80606
Type of gen. func.: ogf

$$\frac{x^{4} + x^{3} - 19 x^{2} - 5 x - 2}{(x - 1) (x^{2} + 6 x + 1) (x^{2} - 6 x + 1)}$$

Sequence: A056182
Score: 10.3659
Type of gen. func.: ogf

$$-6 f(x) x^{2} + 5 f(x) x - f(x) + 2 x$$

Sequence: A056182
Score: 16.5294
Type of gen. func.: ogf

$$\frac{2 x}{(3 x - 1) (2 x - 1)}$$

Sequence: A056182
Score: 17.1980
Type of gen. func.: revogf

$$-\frac{-2 - 5 x + (x^2 + 20 x + 4)^{1/2}}{12 x}$$

Sequence: A056182
Score: 22.2937
Type of gen. func.: lgdogf

$$-\frac{-5 + 12 x}{(3 x - 1) (2 x - 1)}$$

Sequence: A056182
Score: 7.55046
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 6 a(n), a(0) = 0, a(1) = 2\}$$

Sequence: A056197
Score: 17.3906
Type of gen. func.: lgdegf]

$$-\frac{x^2 + 10 x + 7}{(x - 1) (x^2 + 4 x + 1)}$$

Sequence: A056197
Score: 5.029
Type of gen. func.: egf]

$$(29 f(x) - 80) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 4 x + 1)$$

Sequence: A056197
Score: 9.31602

Type of gen. func.: egf]

$$-\frac{x^2 + 4 x + 1}{(x - 1)^3}$$

Sequence: A056199
Score: 3.54607
Type of gen. func.: ogf

$$\{(n^2 + 3 n) a(n) + (-2 n^2 - 10 n - 8) a(n + 1) + (n^2 + 8 n + 10) a(n + 2)$$
$$+ (-2 - n) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 3\}$$

Sequence: A056220
Score: 13.2636
Type of gen. func.: ogf

$$-\frac{x^2 + 4 x - 1}{(x - 1)^3}$$

Sequence: A056220
Score: 25.7247
Type of gen. func.: lgdogf

$$-\frac{x^2 + 10 x + 1}{(x - 1) (x^2 + 4 x - 1)}$$

Sequence: A056220
Score: 7.16001
Type of gen. func.: ogf

$$(25 f(x) - 47) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 4 x - 1)$$

Sequence: A056220
Score: 7.22394

Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = -1, a(1) = 1, a(2) = 7\}$$

Sequence: A056236
Score: 14.3777
Type of gen. func.: ogf

$$-\frac{2 (2 x - 1)}{2 x^2 - 4 x + 1}$$

Sequence: A056236
Score: 16.6874
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^2 - 2 x + 1)}{(2 x - 1) (2 x^2 - 4 x + 1)}$$

Sequence: A056236
Score: 7.2696
Type of gen. func.: ogf

$$-(7 f(x) - 6) (2 f(x) x^2 - 4 f(x) x + f(x) + 4 x - 2)$$

Sequence: A056236
Score: 7.89018
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + 2 a(n), a(0) = 2, a(1) = 4\}$$

Sequence: A056237
Score: 7.00042
Type of gen. func.: ogf

$$(14640 f(x) - 661507) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 5 x^2 - f(x) + 3 x + 6)$$

Sequence: A056243
Score: 11.0039
Type of gen. func.: ogf

$$\frac{x^2 - 3 x - 1}{(2 x - 1)^3}$$

Sequence: A056243
Score: 18.5849
Type of gen. func.: lgdogf

$$- \frac{2 x^2 - 10 x - 9}{(2 x - 1) (x^2 - 3 x - 1)}$$

Sequence: A056243
Score: 5.59212
Type of gen. func.: ogf

$$(409212 f(x) - 772175)$$

$$(8 f(x) x^3 - 12 f(x) x^2 + 6 f(x) x - x^2 - f(x) + 3 x + 1)$$

Sequence: A056243
Score: 5.98455
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 12 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 9, a(2) = 41\}$$

Sequence: A056272
Score: 3.92583
Type of gen. func.: ogf

$$(f(x) + 2) (30 f(x) x^4 - 61 f(x) x^3 - 11 x^4 + 41 f(x) x^2 + 37 x^3 - 11 f(x) x$$

$$- 32 x^2 + f(x) + 10 x - 1)$$

Sequence: A056272
Score: 5.57082
Type of gen. func.: lgdogf

$$-\frac{570 x^6 - 1440 x^5 + 1495 x^4 - 800 x^3 + 231 x^2 - 34 x + 2}{(x - 1) (3 x - 1) (2 x - 1) (5 x - 1) (19 x^3 - 24 x^2 + 9 x - 1)}$$

Sequence: A056272
Score: 7.06430
Type of gen. func.: ogf

$$-\frac{19 x^3 - 24 x^2 + 9 x - 1}{(x - 1) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A056273
Score: 5.21977
Type of gen. func.: ogf

$$-\frac{91 x^4 - 135 x^3 + 68 x^2 - 14 x + 1}{(x - 1) (6 x - 1) (4 x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A056308
Score: 10.9635
Type of gen. func.: ogf

$$-\frac{3 (3 x + 2) (4 x - 1)}{(6 x - 1) (6 x^2 - 1)}$$

Sequence: A056308
Score: 6.04884
Type of gen. func.: ogf

{a(n + 3) - 6 a(n + 2) - 6 a(n + 1) + 36 a(n), a(0) = 6, a(1) = 21, a(2) = 126}

Sequence: A056308
Score: 6.24372

Type of gen. func.: ogf

$$-(50 f(x) + 41) (36 f(x) x^3 - 6 f(x) x^2 - 6 f(x) x + 21 x^2 + f(x) - 1)$$

Sequence: A056308
Score: 8.07346
Type of gen. func.: lgdogf

$$-\frac{432 x^4 + 360 x^3 - 174 x^2 + 7}{(6 x - 1) (3 x + 2) (4 x - 1) (6 x^2 - 1)}$$

Sequence: A056309
Score: 12.0981
Type of gen. func.: ogf

$$\frac{x (4 x^2 - x - 1)}{(2 x - 1) (x - 1) (2 x^2 - 1)}$$

Sequence: A056309
Score: 6.44572
Type of gen. func.: ogf

$$-(59 f(x) + 426) (4 f(x) x^4 - 6 f(x) x^3 - 4 x^3 + 3 f(x) x + x^2 - f(x) + x)$$

Sequence: A056309
Score: 7.65715
Type of gen. func.: lgdogf

$$-\frac{2 (16 x^5 - 18 x^4 - 2 x^3 + 3 x^2 + 4 x - 2)}{(x - 1) (2 x - 1) (2 x^2 - 1) (4 x^2 - x - 1)}$$

Sequence: A056310
Score: 4.65748
Type of gen. func.: ogf

$$-\frac{3 x^{2} (12 x^{4} - 5 x^{3} - 4 x^{2} + 1)}{(2 x - 1) (3 x - 1) (x - 1) (3 x^{2} - 1) (2 x^{2} - 1)}$$

Sequence: A056311
Score: 3.29964
Type of gen. func.: ogf

$$\frac{12 x^{3} (3 x + 1) (8 x^{4} - 3 x^{3} - 2 x^{2} - x + 1)}{(x - 1) (4 x - 1) (3 x - 1) (2 x + 1) (2 x - 1) (3 x^{2} - 1) (2 x^{2} - 1)}$$

Sequence: A056323
Score: 4.44397
Type of gen. func.: ogf

$-(f(x) + 2)$

$$(16 f(x) x^{4} - 20 f(x) x^{3} - 5 x^{4} + 14 x^{3} + 5 f(x) x - 3 x^{2} - f(x) - 4 x + 1)$$

Sequence: A056323
Score: 5.86465
Type of gen. func.: lgdogf

$$-\frac{176 x^{6} - 192 x^{5} - 24 x^{4} + 74 x^{3} + 3 x^{2} - 12 x + 2}{(x - 1) (2 x + 1) (2 x - 1) (4 x - 1) (11 x^{3} - 6 x^{2} - 3 x + 1)}$$

Sequence: A056323
Score: 8.07754
Type of gen. func.: ogf

$$-\frac{11 x^{3} - 6 x^{2} - 3 x + 1}{(x - 1) (2 x + 1) (2 x - 1) (4 x - 1)}$$

Sequence: A056324
Score: 3.50098

Type of gen. func.: ogf

$$-\frac{215 x^{7} - 289 x^{6} - 25 x^{5} + 168 x^{4} - 51 x^{3} - 16 x^{2} + 9 x - 1}{(x - 1) (3 x - 1) (2 x - 1) (5 x - 1) (2 x^{2} - 1) (5 x^{2} - 1)}$$

Sequence: A056326
Score: 12.3070
Type of gen. func.: ogf

$$\frac{x (x^{2} + x - 1)}{(2 x - 1) (x - 1) (2 x^{2} - 1)}$$

Sequence: A056326
Score: 6.77927
Type of gen. func.: ogf

$$(50 f(x) + 207) (4 f(x) x^{4} - 6 f(x) x^{3} - x^{3} + 3 f(x) x - x^{2} - f(x) + x)$$

Sequence: A056326
Score: 8.28118
Type of gen. func.: lgdogf

$$-\frac{8 x^{5} + 6 x^{4} - 28 x^{3} + 15 x^{2} + 2 x - 2}{(x - 1) (2 x - 1) (2 x^{2} - 1) (x^{2} + x - 1)}$$

Sequence: A056327
Score: 4.87369
Type of gen. func.: ogf

$$\frac{x^{2} (3 x^{4} - 8 x^{3} + 3 x^{2} + 2 x - 1)}{(2 x - 1) (3 x - 1) (x - 1) (3 x^{2} - 1) (2 x^{2} - 1)}$$

Sequence: A056328

Score: 5.21022
Type of gen. func.: ogf

$$-\frac{x^{3}\,(3\,x^{3}+x^{2}-2\,x+1)}{(3\,x^{2}-1)\,(x-1)\,(4\,x-1)\,(3\,x-1)\,(2\,x+1)\,(2\,x-1)}$$

Sequence: A056449
Score: 10.9648
Type of gen. func.: ogf

$$\{-a(n+2)+3\,a(n),\ a(0)=3,\ a(1)=3\}$$

Sequence: A056449
Score: 11.8862
Type of gen. func.: ogf

$$-(4\,f(x)+1)\,(3\,f(x)\,x^{2}-f(x)+3\,x+1)$$

Sequence: A056449
Score: 17.1158
Type of gen. func.: ogf

$$-\frac{3\,(x+1)}{3\,x^{2}-1}$$

Sequence: A056449
Score: 19.1011
Type of gen. func.: revogf

$$\frac{-3+(12\,x^{2}+12\,x+9)^{1/2}}{6\,(x+1)}$$

Sequence: A056449
Score: 22.9213
Type of gen. func.: lgdogf

2

$$-\frac{3 x + 6 x + 1}{(x + 1) (3 x^2 - 1)}$$

Sequence: A056450
Score: 10.0561
Type of gen. func.: revegf]

$$-1/2 \operatorname{arcsinh}\left(\frac{3^{1/2}}{3}\right) + 1/2 \operatorname{arcsinh}\left(\frac{3^{1/2} (x + 1)}{3}\right)$$

Sequence: A056450
Score: 10.1531
Type of gen. func.: ogf

$$-(5 f(x) + 2) (4 f(x) x^2 - f(x) + 4 x + 1)$$

Sequence: A056450
Score: 14.0603
Type of gen. func.: ogf

$$-\frac{4 (x + 1)}{(2 x - 1) (2 x + 1)}$$

Sequence: A056450
Score: 15.6428
Type of gen. func.: lgdogf

$$-\frac{4 x^2 + 8 x + 1}{(2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A056450
Score: 9.00736
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n), a(0) = 4, a(1) = 4\}$$

Sequence: A056451
Score: 12.6102
Type of gen. func.: revegf]

$$-1/5\, 5^{1/2} (\operatorname{arcsinh}(1/2) - \operatorname{arcsinh}(x/2 + 1/2))$$

Sequence: A056451
Score: 14.4695
Type of gen. func.: ogf

$$-\frac{5 (x + 1)}{5 x^2 - 1}$$

Sequence: A056451
Score: 18.7119
Type of gen. func.: lgdogf

$$-\frac{5 x^2 + 10 x + 1}{(x + 1) (5 x^2 - 1)}$$

Sequence: A056451
Score: 8.54171
Type of gen. func.: ogf

$$-(2 f(x) + 1) (5 f(x) x^2 - f(x) + 5 x + 1)$$

Sequence: A056451
Score: 9.26955
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n), a(0) = 5, a(1) = 5\}$$

Sequence: A056452
Score: 10.1450
Type of gen. func.: ogf

$\{-a(n+2) + 6\,a(n),\ a(0) = 6,\ a(1) = 6\}$

Sequence: A056452
Score: 15.8361
Type of gen. func.: ogf

$$-\frac{6\,(x+1)}{6\,x^{2}-1}$$

Sequence: A056452
Score: 18.7087
Type of gen. func.: revogf

$$\frac{-3+(6\,x^{2}+6\,x+9)^{1/2}}{6\,(x+1)}$$

Sequence: A056452
Score: 20.5193
Type of gen. func.: lgdogf

$$-\frac{6\,x^{2}+12\,x+1}{(x+1)\,(6\,x^{2}-1)}$$

Sequence: A056452
Score: 9.33956
Type of gen. func.: ogf

$$-(7\,f(x)+4)\,(6\,f(x)\,x^{2}-f(x)+6\,x+1)$$

Sequence: A056453
Score: 17.8030
Type of gen. func.: ogf

$$\frac{2\,x^{2}}{(x-1)\,(2\,x^{2}-1)}$$

Sequence: A056453
Score: 24.8004
Type of gen. func.: lgdogf

$$-\frac{6 x^2 - 4 x - 1}{(x - 1) (2 x^2 - 1)}$$

Sequence: A056453
Score: 7.28305
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 2 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A056453
Score: 7.48725
Type of gen. func.: ogf

$$-(f(x) + 1) (2 f(x) x^3 - 2 f(x) x^2 - f(x) x - 2 x^2 + f(x))$$

Sequence: A056454
Score: 13.2598
Type of gen. func.: ogf

$$-\frac{6 x^4}{(x - 1) (3 x^2 - 1) (2 x^2 - 1)}$$

Sequence: A056454
Score: 14.1903
Type of gen. func.: lgdogf

$$-\frac{30 x^4 - 24 x^3 - 15 x^2 + 10 x + 1}{(x - 1) (3 x^2 - 1) (2 x^2 - 1)}$$

Sequence: A056454
Score: 6.91321
Type of gen. func.: ogf

$$6 f(x) x^{5} - 6 f(x) x^{4} - 5 f(x) x^{3} + 6 x^{4} + 5 f(x) x^{2} + f(x) x - f(x)$$

Sequence: A056455
Score: 8.71902
Type of gen. func.: lgdogf

$$-\frac{168 x^{6} - 144 x^{5} - 130 x^{4} + 104 x^{3} + 27 x^{2} - 18 x - 1}{(x - 1) (2 x + 1) (2 x - 1) (3 x^{2} - 1) (2 x^{2} - 1)}$$

Sequence: A056455
Score: 9.58998
Type of gen. func.: ogf

$$\frac{24 x^{6}}{(2 x - 1) (2 x + 1) (x - 1) (3 x^{2} - 1) (2 x^{2} - 1)}$$

Sequence: A056456
Score: 5.57021
Type of gen. func.: ogf

$$-\frac{120 x^{8}}{(2 x - 1) (2 x + 1) (x - 1) (3 x^{2} - 1) (2 x^{2} - 1) (5 x^{2} - 1)}$$

Sequence: A056457
Score: 3.81235
Type of gen. func.: ogf

$$\frac{720 x^{10}}{(2 x - 1) (2 x + 1) (x - 1) (6 x^{2} - 1) (3 x^{2} - 1) (2 x^{2} - 1) (5 x^{2} - 1)}$$

Sequence: A056468
Score: 5.50700
Type of gen. func.: ogf

$$-\frac{x\,(136\,x^4 - 272\,x^3 + 84\,x^2 + 52\,x + 1)}{(2\,x - 1)^7}$$

Sequence: A056468
Score: 9.36688
Type of gen. func.: lgdogf

$$-\frac{6\,(136\,x^4 - 272\,x^3 + 4\,x^2 + 132\,x + 11)}{(2\,x - 1)\,(136\,x^4 - 272\,x^3 + 84\,x^2 + 52\,x + 1)}$$

Sequence: A056469
Score: 13.5242
Type of gen. func.: ogf

$$-\frac{x^2 + 3\,x - 2}{(2\,x - 1)\,(x - 1)}$$

Sequence: A056469
Score: 16.7333
Type of gen. func.: lgdogf

$$-\frac{9\,x^2 - 10\,x + 3}{(x - 1)\,(2\,x - 1)\,(x^2 + 3\,x - 2)}$$

Sequence: A056469
Score: 7.02730
Type of gen. func.: ogf

$\{a(n + 3) - 3\,a(n + 2) + 2\,a(n + 1), a(0) = 2, a(1) = 3, a(2) = 4\}$

Sequence: A056469
Score: 7.62536
Type of gen. func.: ogf

$$(f(x) - 11) (2 f(x) x^2 - 3 f(x) x + x^2 + f(x) + 3 x - 2)$$

Sequence: A056470
Score: 5.28773
Type of gen. func.: ogf

$$- \frac{19 x^6 - 24 x^4 + 9 x^2 - 1}{(x - 1) (3 x^2 - 1) (2 x^2 - 1) (5 x^2 - 1)}$$

Sequence: A056471
Score: 4.18664
Type of gen. func.: ogf

$$- \frac{91 x^8 - 135 x^6 + 68 x^4 - 14 x^2 + 1}{(2 x - 1) (2 x + 1) (x - 1) (6 x^2 - 1) (3 x^2 - 1) (2 x^2 - 1)}$$

Sequence: A056473
Score: 5.79717
Type of gen. func.: lgdogf

$$- \frac{168 x^6 - 144 x^5 - 130 x^4 + 104 x^3 + 27 x^2 - 18 x - 1}{(x - 1) (2 x + 1) (2 x - 1) (3 x^2 - 1) (2 x^2 - 1)}$$

Sequence: A056473
Score: 6.91257
Type of gen. func.: ogf

$$\frac{x^6}{(2 x - 1) (2 x + 1) (x - 1) (3 x^2 - 1) (2 x^2 - 1)}$$

Sequence: A056474
Score: 5.30398
Type of gen. func.: ogf

$$-\frac{x^{8}}{(2 x - 1) (2 x + 1) (x - 1) (3 x^{2} - 1) (2 x^{2} - 1) (5 x^{2} - 1)}$$

Sequence: A056475
Score: 5.85122
Type of gen. func.: ogf

$$\frac{x^{10}}{(2 x - 1) (2 x + 1) (x - 1) (6 x^{2} - 1) (3 x^{2} - 1) (2 x^{2} - 1) (5 x^{2} - 1)}$$

Sequence: A056486
Score: 11.4165
Type of gen. func.: ogf

$$(8 f(x) - 7) (4 f(x) x^{2} - f(x) + 10 x + 4)$$

Sequence: A056486
Score: 11.9435
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n), a(0) = 4, a(1) = 10\}$$

Sequence: A056486
Score: 12.6768
Type of gen. func.: revegf]

$$-1/2 \ln(9/2) + 1/2 \ln(5/2 + x + ((x + 4) (x + 1))^{1/2})$$

Sequence: A056486
Score: 14.5784
Type of gen. func.: lgdogf

$$-\frac{20 x^2 + 16 x + 5}{(5 x + 2) (2 x + 1) (2 x - 1)}$$

Sequence: A056486
Score: 18.4840
Type of gen. func.: ogf

$$-\frac{2 (5 x + 2)}{(2 x - 1) (2 x + 1)}$$

Sequence: A056487
Score: 11.5185
Type of gen. func.: ogf

$$(10 f(x) - 1) (5 f(x) x^2 - f(x) + 3 x + 1)$$

Sequence: A056487
Score: 12.2384
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A056487
Score: 14.2228
Type of gen. func.: revogf

$$\frac{-1 + ((2 x + 1) (10 x + 1))^{1/2}}{2 (3 + 5 x)}$$

Sequence: A056487
Score: 17.1510
Type of gen. func.: lgdogf

$$-\frac{15 x^2 + 10 x + 3}{(3 x + 1) (5 x^2 - 1)}$$

Sequence: A056487
Score: 19.1038
Type of gen. func.: ogf

$$-\frac{3 x + 1}{5 x^{2} - 1}$$

Sequence: A056488
Score: 11.3399
Type of gen. func.: ogf

$$(8 f(x) + 1) (6 f(x) x^{2} - f(x) + 21 x + 6)$$

Sequence: A056488
Score: 12.2457
Type of gen. func.: revogf

$$\frac{-3 + 3^{1/2} ((x + 3) (2 x + 1))^{1/2}}{3 (7 + 2 x)}$$

Sequence: A056488
Score: 13.7186
Type of gen. func.: ogf

$$-\frac{3 (2 + 7 x)}{6 x^{2} - 1}$$

Sequence: A056488
Score: 16.5678
Type of gen. func.: lgdogf

$$-\frac{42 x^{2} + 24 x + 7}{(2 + 7 x) (6 x^{2} - 1)}$$

Sequence: A056488
Score: 8.86431
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n), a(0) = 6, a(1) = 21\}$$

Sequence: A056489
Score: 10.1921
Type of gen. func.: ogf

$$-\frac{3 x^3 (x + 1)}{(x - 1) (3 x^2 - 1) (2 x^2 - 1)}$$

Sequence: A056489
Score: 5.1631
Type of gen. func.: ogf

$$-(14 f(x) - 5) \left(6 f(x) x^5 - 6 f(x) x^4 - 5 f(x) x^3 + 3 x^4 + 5 f(x) x^2 + 3 x^3 + f(x) x - f(x) \right)$$

Sequence: A056489
Score: 8.53448
Type of gen. func.: lgdogf

$$-\frac{2 (12 x^5 + 6 x^4 - 17 x^3 - 5 x^2 + 5 x + 1)}{(x - 1) (x + 1) (3 x^2 - 1) (2 x^2 - 1)}$$

Sequence: A056490
Score: 5.80109
Type of gen. func.: lgdogf

$$-\frac{2 (72 x^7 + 24 x^6 - 124 x^5 - 26 x^4 + 61 x^3 + 9 x^2 - 9 x - 1)}{(x - 1) (2 x + 1) (2 x - 1) (x + 1) (3 x^2 - 1) (2 x^2 - 1)}$$

Sequence: A056490
Score: 7.73471
Type of gen. func.: ogf

$$\frac{12 x^5 (x + 1)}{(2 x - 1) (2 x + 1) (x - 1) (3 x^2 - 1) (2 x^2 - 1)}$$

Sequence: A056491
Score: 6.22707
Type of gen. func.: ogf

$$- \frac{60 x^7 (x + 1)}{(2 x - 1) (2 x + 1) (x - 1) (3 x^2 - 1) (2 x^2 - 1) (5 x^2 - 1)}$$

Sequence: A056492
Score: 4.90247
Type of gen. func.: ogf

$$\frac{360 x^9 (x + 1)}{(2 x - 1) (2 x + 1) (x - 1) (6 x^2 - 1) (3 x^2 - 1) (2 x^2 - 1) (5 x^2 - 1)}$$

Sequence: A056520
Score: 17.0368
Type of gen. func.: lgdogf

$$- \frac{x^3 - 5 x^2 - 2 x - 2}{(x - 1) (x^3 - 4 x^2 + 2 x - 1)}$$

Sequence: A056520
Score: 3.89341
Type of gen. func.: ogf

$\{(145 n^2 + 839 n + 1098) a(n + 1) + (-218 n^2 - 886 n - 696) a(n + 2)$

$$+ (73 n^2 + 263 n + 132) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A056520
Score: 5.22751
Type of gen. func.: ogf

$$(2208 f(x) + 3973)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + x^3 - 4 f(x) x - 4 x^2 + f(x) + 2 x - 1)$$

Sequence: A056520
Score: 9.70823
Type of gen. func.: ogf

$$- \frac{x^3 - 4 x^2 + 2 x - 1}{(x - 1)^4}$$

Sequence: A056527
Score: 11.1380
Type of gen. func.: ogf

$$\frac{2 x^4 + 2 x^3 + x^2 + 2 x + 2}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A056527
Score: 9.24237
Type of gen. func.: lgdogf

$$- \frac{2 x^7 + 6 x^6 + 7 x^5 + 13 x^4 + 23 x^3 + 11 x^2 + 6 x + 4}{(x - 1) (x + 1) (x^2 + 1) (2 x^4 + 2 x^3 + x^2 + 2 x + 2)}$$

Sequence: A056530
Score: 11.6663
Type of gen. func.: lgdogf

$$-\frac{5 x^{5} + 13 x^{4} + 15 x^{3} + 25 x^{2} + 11 x + 3}{(x - 1) (x^{2} + x + 1) (5 x^{3} + 4 x^{2} + 2 x + 1)}$$

Sequence: A056530
Score: 12.4099
Type of gen. func.: ogf

$$\frac{5 x^{3} + 4 x^{2} + 2 x + 1}{(x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A056530
Score: 5.00750
Type of gen. func.: ogf

$$\{(12 n + 35) a(n + 1) + 12 a(n + 2) + 12 a(n + 3) + (-12 n - 23) a(n + 4),$$
$$a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 13\}$$

Sequence: A056530
Score: 6.58679
Type of gen. func.: ogf

$$-(3096 f(x) - 37295)$$
$$(f(x) x^{4} - f(x) x^{3} - 5 x^{3} - f(x) x - 4 x^{2} + f(x) - 2 x - 1)$$

Sequence: A056531
Score: 5.73227
Type of gen. func.: ogf

$$(9 x^{12} + 2 x^{11} + 6 x^{10} + 4 x^{9} + 8 x^{8} + 4 x^{7} + 2 x^{6} + 6 x^{5} + 6 x^{4} + 6 x^{3} + 4 x^{2}$$
$$+ 2 x + 1) \Big/ ((x + 1) (x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1)$$
$$(x - 1)^{2})$$

Sequence: A056541
Score: 3.84658
Type of gen. func.: ogf

{(2 n + 4) a(n + 1) + (-2 n - 7) a(n + 2) + a(n + 3), a(0) = 0, a(1) = 1,

a(2) = 5}

Sequence: A056542
Score: 4.16699
Type of gen. func.: ogf

{(n + 3) a(n + 1) + (-n - 5) a(n + 2) + a(n + 3), a(0) = 0, a(1) = 1, a(2) = 4}

Sequence: A056545
Score: 29.8233
Type of gen. func.: lgdegf]

-5 + 4 x + (1 - 4 x) f(x)

Sequence: A056545
Score: 4.24982
Type of gen. func.: ogf

{(4 n + 8) a(n + 1) + (-4 n - 13) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 5,

a(2) = 41}

Sequence: A056546
Score: 26.8503
Type of gen. func.: lgdegf]

-6 + 5 x + (1 - 5 x) f(x)

Sequence: A056546
Score: 3.80472
Type of gen. func.: ogf

{(5 n + 10) a(n + 1) + (-5 n - 16) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 6,

a(2) = 61}

Sequence: A056547
Score: 28.3096
Type of gen. func.: lgdegf]

$$-7 + 6 x + (1 - 6 x) f(x)$$

Sequence: A056547
Score: 4.00710
Type of gen. func.: ogf

$\{(-6 n - 12) a(n + 1) + (6 n + 19) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 7,$

$a(2) = 85\}$

Sequence: A056570
Score: 5.28536
Type of gen. func.: ogf

$(545 f(x) + 7)$

$(f(x) x^4 + 3 f(x) x^3 - 6 f(x) x^2 + x^3 - 3 f(x) x + 2 x^2 + f(x) - x)$

Sequence: A056570
Score: 8.64617
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 9 x^4 + 8 x^3 - 18 x^2 + 10 x + 1}{(x^2 + 2 x - 1) (x^2 + 4 x - 1) (x^2 - x - 1)}$$

Sequence: A056570
Score: 9.77430
Type of gen. func.: ogf

$$-\frac{x (x^2 + 2 x - 1)}{(x^2 + 4 x - 1) (x^2 - x - 1)}$$

Sequence: A056571

Score: 6.15086
Type of gen. func.: lgdogf

$$-\frac{2x^7-17x^6+24x^5+110x^4+90x^3-82x^2+22x+1}{(x-1)(x+1)(x^2+3x+1)(x^2-7x+1)(x^2-5x+1)}$$

Sequence: A056571
Score: 6.79349
Type of gen. func.: ogf

$$-\frac{x(x+1)(x^2-5x+1)}{(x-1)(x^2+3x+1)(x^2-7x+1)}$$

Sequence: A056572
Score: 5.44179
Type of gen. func.: ogf

$$-\frac{x(x^4+7x^3-16x^2-7x+1)}{(x^2+x-1)(x^2+11x-1)(x^2-4x-1)}$$

Sequence: A056573
Score: 3.98229
Type of gen. func.: ogf

$$-\frac{x(x-1)(x^4-11x^3-64x^2-11x+1)}{(x+1)(x^2+7x+1)(x^2-3x+1)(x^2-18x+1)}$$

Sequence: A056578
Score: 14.4072
Type of gen. func.: lgdogf

$$-\frac{2(x^3+18x^2+24x+5)}{(x-1)(2x^3+15x^2+6x+1)}$$

Sequence: A056578
Score: 3.71282
Type of gen. func.: ogf

$$\{(-213 n^2 - 973 n - 1094) a(n + 1) + (146 n^2 - 188 n - 820) a(n + 2) + (67 n^2 + 321 n + 360) a(n + 3), a(0) = 1, a(1) = 10, a(2) = 49\}$$

Sequence: A056578
Score: 4.83414
Type of gen. func.: ogf

$$(150272 f(x) + 1116829) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 2 x^3 - 4 f(x) x - 15 x^2 + f(x) - 6 x - 1)$$

Sequence: A056578
Score: 9.23446
Type of gen. func.: ogf

$$\frac{2 x^3 + 15 x^2 + 6 x + 1}{(x - 1)^4}$$

Sequence: A056579
Score: 10.0466
Type of gen. func.: lgdogf

$$- \frac{3 (x^4 + 32 x^3 + 106 x^2 + 56 x + 5)}{(x - 1) (3 x^4 + 42 x^3 + 64 x^2 + 10 x + 1)}$$

Sequence: A056579
Score: 6.80240
Type of gen. func.: ogf

$$- \frac{3 x^4 + 42 x^3 + 64 x^2 + 10 x + 1}{5}$$

$$(x - 1)$$

Sequence: A056589
Score: 7.19029
Type of gen. func.: lgdogf

$$-\frac{(x-2)(8x^6-3x^5+19x^3-12x^2-3x+2)}{(2x-1)(x+1)(x^2-3x+1)(x^2-x+1)(x^2+x-1)}$$

Sequence: A056589
Score: 7.51280
Type of gen. func.: ogf

$$\frac{x^2-x+1}{(2x-1)(x+1)(x^2-3x+1)(x^2+x-1)}$$

Sequence: A056590
Score: 4.00838
Type of gen. func.: ogf

$$-(4x^5+3x^4+3x^3-8x^2+3x-1) \Big/ ((x+1)(3x-1)(x^2-3x+1)(4x^2+2x-1)(x^2+4x-1)(x^2-x-1))$$

Sequence: A056594
Score: 10.3847
Type of gen. func.: ogf

$$\{-a(n+2)-a(n),\ a(0)=1,\ a(1)=0\}$$

Sequence: A056594
Score: 15.9569
Type of gen. func.: ogf

$$f(x)\,x^2+f(x)-1$$

Sequence: A056594
Score: 22.5598
Type of gen. func.: ogf

$$\frac{1}{x^2 + 1}$$

Sequence: A056594
Score: 25.7862
Type of gen. func.: revogf

$$-\frac{-1 + (-(2 x - 1) (2 x + 1))^{1/2}}{2 x}$$

Sequence: A056594
Score: 26.1078
Type of gen. func.: ogf_with_Euler_transform]

$$[x^3 - x]$$

Sequence: A056594
Score: 79.5076
Type of gen. func.: lgdogf

$$-\frac{2 x}{x^2 + 1}$$

Sequence: A056640
Score: 10.6974
Type of gen. func.: ogf

$$\frac{5 x^2 + 2 x + 1}{(x + 1) (x - 1)^4}$$

Sequence: A056699
Score: 10.8502
Type of gen. func.: ogf

$$\frac{2 x^{4} - 2 x^{3} + x^{2} + 2 x + 1}{(x^{2} + 1) (x + 1) (x - 1)^{2}}$$

Sequence: A056699
Score: 9.19758
Type of gen. func.: lgdogf

$$- \frac{2 x^{7} - 2 x^{6} + 3 x^{5} + 9 x^{4} + 14 x^{3} - 2 x^{2} + 5 x + 3}{(x - 1) (x + 1) (x^{2} + 1) (2 x^{4} - 2 x^{3} + x^{2} + 2 x + 1)}$$

Sequence: A056771
Score: 12.2112
Type of gen. func.: ogf

$$- \frac{17 x - 1}{x^{2} - 34 x + 1}$$

Sequence: A056771
Score: 14.8115
Type of gen. func.: lgdogf

$$- \frac{17 x^{2} - 2 x + 17}{(17 x - 1) (x^{2} - 34 x + 1)}$$

Sequence: A056771
Score: 6.04132
Type of gen. func.: ogf

$$-(576 f(x) - 287) (f(x) x^{2} - 34 f(x) x + f(x) + 17 x - 1)$$

Sequence: A056771
Score: 6.83245
Type of gen. func.: ogf

$$\{a(n+2) - 34\,a(n+1) + a(n),\ a(0) = 1,\ a(1) = 17\}$$

Sequence: A056810
Score: 2.73983
Type of gen. func.: ogf

$$-f(x)\,(10\,f(x)\,x^2 + 10\,x^3 - 11\,f(x)\,x + f(x) - x)$$

Sequence: A056810
Score: 3.18183
Type of gen. func.: ogf

$$-\frac{x\,(10\,x^2 - 1)}{(10\,x - 1)\,(x - 1)}$$

Sequence: A056811
Score: 10.7306
Type of gen. func.: lgdogf

$$\frac{44\,x^{45} - 45\,x^{44} + 20\,x^{21} - 21\,x^{20} + 4\,x^5 - 5\,x^4 - 1}{(x - 1)\,(x^{45} + x^{21} + x^5 + 1)}$$

Sequence: A056813
Score: 10.5726
Type of gen. func.: lgdogf

$$\frac{94\,x^{48} - 96\,x^{47} + 46\,x^{24} - 48\,x^{23} + 7\,x^8 - 8\,x^7 + 2\,x^3 - 3\,x^2 - 1}{(x - 1)\,(2\,x^{48} + 2\,x^{24} + x^8 + x^3 + 1)}$$

Sequence: A056813
Score: 14.7954

Type of gen. func.: ogf

$$-\frac{2x^{48}+2x^{24}+x^{8}+x^{3}+1}{x-1}$$

Sequence: A056822
Score: 19.0736
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{9}+x^{7}+x^{4}+x+1$$

Sequence: A056822
Score: 6.79187
Type of gen. func.: lgdogf

$$-(6x^{11}-5x^{10}+8x^{9}-7x^{8}+10x^{7}+2x^{6}+2x^{5}+2x^{4}+4x^{3}-x^{2}+2x+1)\Big/((x-1)(x+1)(x^{2}+1)(x^{4}-x^{3}+x^{2}-x+1)(x^{4}+1))$$

Sequence: A056822
Score: 7.69780
Type of gen. func.: ogf

$$-\frac{x^{3}(x^{4}-x^{3}+x^{2}-x+1)}{(x+1)(x^{4}+1)(x^{2}+1)(x-1)^{3}}$$

Sequence: A056827
Score: 20.6865
Type of gen. func.: ogf_with_Euler_transform]

$$[x^{5}-x^{3}+x+2]$$

Sequence: A056827
Score: 9.10496
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^{7}+x^{6}+5\,x^{5}+2\,x^{4}+2\,x^{3}+2\,x^{2}+2\,x+1)}{(x-1)\,(x+1)\,(x^{2}+1)\,(x^{2}+x+1)\,(x^{2}-x+1)}$$

Sequence: A056827
Score: 9.98496
Type of gen. func.: ogf

$$-\frac{x^{3}\,(x^{2}+1)}{(x+1)\,(x^{2}+x+1)\,(x^{2}-x+1)\,(x-1)^{3}}$$

Sequence: A056829
Score: 10.0372
Type of gen. func.: ogf

$$-\frac{x^{2}\,(x^{4}+1)}{(x+1)\,(x^{2}+x+1)\,(x^{2}-x+1)\,(x-1)^{3}}$$

Sequence: A056829
Score: 20.7948
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{7}+x^{5}+x^{3}+2$$

Sequence: A056829
Score: 8.69110
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^{9}+x^{8}+x^{7}+x^{6}+5\,x^{5}+2\,x^{4}+3\,x^{3}+x^{2}+x+1)}{(x-1)\,(x+1)\,(x^{4}+1)\,(x^{2}+x+1)\,(x^{2}-x+1)}$$

Sequence: A056830
Score: 12.0910
Type of gen. func.: ogf

$$\frac{x}{(x - 1) (10 x - 1) (x + 1)}$$

Sequence: A056830
Score: 15.1201
Type of gen. func.: lgdogf

$$- \frac{2 (15 x^2 - x - 5)}{(x - 1) (10 x - 1) (x + 1)}$$

Sequence: A056830
Score: 4.98489
Type of gen. func.: ogf

$$\{-a(n + 3) + 10 a(n + 2) + a(n + 1) - 10 a(n), a(0) = 0, a(1) = 1, a(2) = 10\}$$

Sequence: A056830
Score: 5.3611
Type of gen. func.: ogf

$$-(10 f(x) + 1) (10 f(x) x^3 - f(x) x^2 - 10 f(x) x + f(x) - x)$$

Sequence: A056833
Score: 18.9486
Type of gen. func.: ogf_with_Euler_transform]

$$x^6 - 2 x^5 + 2 x^2 + x + 1$$

Sequence: A056833
Score: 7.15880
Type of gen. func.: ogf

$$- \frac{x^2 (x + 1) (x^2 - x + 1)^2}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A056833
Score: 7.49731
Type of gen. func.: lgdogf

$$-\frac{4x^9+x^8+3x^7+11x^6+4x^5+4x^4+4x^3+7x^2+3x+1}{(x-1)(x+1)(x^2-x+1)(x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A056834
Score: 10.0814
Type of gen. func.: ogf

$$-\frac{x^3(x+1)(x^2-x+1)}{(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^3}$$

Sequence: A056834
Score: 20.8883
Type of gen. func.: ogf_with_Euler_transform]

$$x^6-x^5+x^2+2$$

Sequence: A056834
Score: 7.35450
Type of gen. func.: lgdogf

$$-\frac{6x^9+2x^8+2x^7+11x^6+4x^5+4x^4+4x^3+5x^2+2x+2}{(x-1)(x+1)(x^2-x+1)(x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A056837
Score: 5.49566
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5+x^3+x^2+x+1$$

Sequence: A056838
Score: 18.4577
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 - 2 x^5 + 2 x^2 + x + 1$$

Sequence: A056838
Score: 6.69071
Type of gen. func.: lgdogf

$$- (6 x^{11} + x^{10} + 3 x^9 + 13 x^8 + 4 x^7 + 4 x^6 + 4 x^5 + 4 x^4 + 4 x^3 + 7 x^2 + 3 x + 1) / ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^6 + x^3 + 1))$$

Sequence: A056838
Score: 6.84768
Type of gen. func.: ogf

$$- \frac{x^3 (x + 1) (x^2 - x + 1)^2}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^3}$$

Sequence: A056854
Score: 17.4194
Type of gen. func.: ogf

$$- \frac{7 x - 2}{x^2 - 7 x + 1}$$

Sequence: A056854
Score: 22.6862
Type of gen. func.: lgdogf

$$- \frac{7 x^2 - 4 x + 7}{(7 x - 2) (x^2 - 7 x + 1)}$$

Sequence: A056854
Score: 8.614
Type of gen. func.: ogf

$$-(45 f(x) - 41) (f(x) x^2 - 7 f(x) x + f(x) + 7 x - 2)$$

Sequence: A056854
Score: 9.55941
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) + a(n), a(0) = 2, a(1) = 7\}$$

Sequence: A056864
Score: 20.2153
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{11} + x^9 + x^5 + 2$$

Sequence: A056864
Score: 9.64355
Type of gen. func.: ogf

$$-\frac{x^3 (x^2 + 1) (x^4 - x^2 + 1)}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^3}$$

Sequence: A056865
Score: 5.77010
Type of gen. func.: lgdogf

$$- 2 (4 x^{13} + x^{12} + x^{11} + x^{10} + 7 x^9 + 2 x^8 + 2 x^7 + 2 x^6 + 2 x^5 + 2 x^4 + 3 x^3 + x^2 + x + 1) / ((x - 1) (x + 1) (x^4 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1))$$

Sequence: A056865
Score: 9.59279
Type of gen. func.: ogf

$$-\frac{x^4 (x^4 + 1)}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^3}$$

Sequence: A056914
Score: 13.1146
Type of gen. func.: ogf

$$\frac{1 + 4 x}{x^2 - 7 x + 1}$$

Sequence: A056914
Score: 13.7661
Type of gen. func.: revogf

$$-\frac{-1 - 7 x + (45 x^2 + 30 x + 1)^{1/2}}{2 (-4 + x)}$$

Sequence: A056914
Score: 16.0604
Type of gen. func.: lgdogf

$$-\frac{4 x^2 + 2 x - 11}{(1 + 4 x) (x^2 - 7 x + 1)}$$

Sequence: A056914
Score: 6.78344
Type of gen. func.: ogf

$$(75 f(x) + 46) (f(x) x^2 - 7 f(x) x + f(x) - 4 x - 1)$$

Sequence: A056914

Score: 7.11035
Type of gen. func.: ogf

$$\{-a(n+2)+7a(n+1)-a(n), a(0)=1, a(1)=11\}$$

Sequence: A056918
Score: 12.6938
Type of gen. func.: ogf

$$-\frac{9x-2}{x^2-9x+1}$$

Sequence: A056918
Score: 15.5401
Type of gen. func.: revogf

$$-\frac{-2-9x+(77x^2+4)^{1/2}}{2(9+x)}$$

Sequence: A056918
Score: 16.4542
Type of gen. func.: lgdogf

$$-\frac{9x^2-4x+9}{(9x-2)(x^2-9x+1)}$$

Sequence: A056918
Score: 6.27716
Type of gen. func.: ogf

$$-(77f(x)-73)(f(x)x^2-9f(x)x+f(x)+9x-2)$$

Sequence: A056918
Score: 6.96611
Type of gen. func.: ogf

$$\{a(n+2)-9a(n+1)+a(n), a(0)=2, a(1)=9\}$$

Sequence: A056932
Score: 11.5006
Type of gen. func.: lgdogf

$$-\frac{5 x^{4} + 70 x^{3} + 201 x^{2} + 136 x + 20}{(x - 1) (x^{4} + 11 x^{3} + 24 x^{2} + 11 x + 1)}$$

Sequence: A056932
Score: 5.59566
Type of gen. func.: ogf

$$-\frac{x^{4} + 11 x^{3} + 24 x^{2} + 11 x + 1}{(x - 1)^{9}}$$

Sequence: A056965
Score: 6.13227
Type of gen. func.: ogf

$$\frac{9 x^{10} (9 x^{10} - x^{9} - x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x + 1)}{(x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A056967
Score: 6.21340
Type of gen. func.: ogf

$$x^{11} (9 x^{8} + 8 x^{7} + 7 x^{6} + 6 x^{5} + 5 x^{4} + 4 x^{3} + 3 x^{2} + 2 x + 1) / ((x - 1) (x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (10 x^{10} - 1))$$

Sequence: A056970
Score: 15.8353
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{10}+x^4+x}{x^{12}-1}$$

Sequence: A056986
Score: 3.66463
Type of gen. func.: ogf

$$\{(-4 n^3 - 34 n^2 - 96 n - 90) a(n + 1) + (n^3 + 14 n^2 + 51 n + 50) a(n + 2) + (-n^2 - 6 n - 5) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A056991
Score: 10.3834
Type of gen. func.: lgdogf

$$-\frac{4 x^6 + 11 x^5 + 17 x^4 + 13 x^3 + 13 x^2 + 10 x + 4}{(x - 1) (2 x + 1) (x + 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A056991
Score: 12.4294
Type of gen. func.: ogf

$$\frac{(2 x + 1) (x^2 + x + 1)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A056992
Score: 8.14913
Type of gen. func.: ogf

$$-\frac{9 x^8 + x^7 + 4 x^6 + 9 x^5 + 7 x^4 + 7 x^3 + 9 x^2 + 4 x + 1}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A057009

Score: 10.2359
Type of gen. func.: lgdogf

$$-\frac{288 x^3 - 252 x^2 + 72 x - 7}{(6 x - 1) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A057009
Score: 13.2139
Type of gen. func.: ogf

$$\frac{4 x - 1}{(6 x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A057009
Score: 6.37910
Type of gen. func.: ogf

{a(n + 3) - 11 a(n + 2) + 36 a(n + 1) - 36 a(n), a(0) = 1, a(1) = 7, a(2) = 41}

Sequence: A057009
Score: 6.66646
Type of gen. func.: ogf

$$-(f(x) + 18) (36 f(x) x^3 - 36 f(x) x^2 + 11 f(x) x - f(x) - 4 x + 1)$$

Sequence: A057010
Score: 4.42240
Type of gen. func.: ogf

{a(n + 3) - 38 a(n + 2) + 384 a(n + 1) - 1152 a(n), a(0) = 1, a(1) = 26,

a(2) = 604}

Sequence: A057010
Score: 4.61301
Type of gen. func.: ogf

$$-(68 f(x) - 21) (1152 f(x) x^3 - 384 f(x) x^2 + 38 f(x) x - f(x) - 12 x + 1)$$

Sequence: A057010
Score: 7.82119
Type of gen. func.: lgdogf

$$-\frac{2\,(13824\,x^{3}-4032\,x^{2}+384\,x-13)}{(6\,x-1)\,(8\,x-1)\,(12\,x-1)\,(24\,x-1)}$$

Sequence: A057010
Score: 8.91850
Type of gen. func.: ogf

$$\frac{12\,x-1}{(6\,x-1)\,(8\,x-1)\,(24\,x-1)}$$

Sequence: A057029
Score: 8.82467
Type of gen. func.: ogf

$$-\frac{x^{4}+5\,x^{3}+4\,x^{2}+5\,x+1}{(x+1)^{2}\,(x-1)^{3}}$$

Sequence: A057029
Score: 9.50436
Type of gen. func.: lgdogf

$$-\frac{x^{5}+11\,x^{4}+21\,x^{3}+39\,x^{2}+18\,x+6}{(x-1)\,(x+1)\,(x^{4}+5\,x^{3}+4\,x^{2}+5\,x+1)}$$

Sequence: A057076
Score: 11.8075
Type of gen. func.: ogf

$$-\frac{11\,x-2}{x^{2}-11\,x+1}$$

Sequence: A057076
Score: 14.2997
Type of gen. func.: lgdogf

$$-\frac{11 x^2 - 4 x + 11}{(11 x - 2) (x^2 - 11 x + 1)}$$

Sequence: A057076
Score: 5.84159
Type of gen. func.: ogf

$$-(117 f(x) - 113) (f(x) x^2 - 11 f(x) x + f(x) + 11 x - 2)$$

Sequence: A057076
Score: 6.60656
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + a(n), a(0) = 2, a(1) = 11\}$$

Sequence: A057077
Score: 13.9704
Type of gen. func.: ogf

$$f(x) x^2 + f(x) - x - 1$$

Sequence: A057077
Score: 15.3334
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 + 1}$$

Sequence: A057077
Score: 21.6074
Type of gen. func.: ogf_with_Euler_transform]

$$[x^3 - 2x + 1]$$

Sequence: A057077
Score: 28.3527
Type of gen. func.: lgdogf

$$-\frac{x^2 + 2x - 1}{(x + 1)(x^2 + 1)}$$

Sequence: A057077
Score: 9.82297
Type of gen. func.: ogf

$$\{a(n + 2) + a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A057078
Score: 10.9281
Type of gen. func.: ogf

$$f(x) x^2 + f(x) x + f(x) - x - 1$$

Sequence: A057078
Score: 15.2994
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 + x + 1}$$

Sequence: A057078
Score: 22.3919
Type of gen. func.: revogf

$$-\frac{-1 + x + (-(3x + 1)(x - 1))^{1/2}}{2(x - 1)}$$

Sequence: A057078
Score: 27.4705
Type of gen. func.: ogf_with_Euler_transform]

$$[x^2 - x]$$

Sequence: A057078
Score: 39.1858
Type of gen. func.: lgdogf

$$-\frac{x (x + 2)}{(x + 1) (x^2 + x + 1)}$$

Sequence: A057078
Score: 8.49964
Type of gen. func.: ogf

{-a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 0}

Sequence: A057079
Score: 10.0423
Type of gen. func.: ogf

{-a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 2}

Sequence: A057079
Score: 18.2992
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - x + 1}$$

Sequence: A057079
Score: 24.8915
Type of gen. func.: ogf_with_Euler_transform]

5 2

$$x - x - 2 x + 2$$

Sequence: A057079
Score: 25.8451
Type of gen. func.: revogf

$$- \frac{-1 - x + (-3 x^2 + 6 x + 1)^{1/2}}{2 (x - 1)}$$

Sequence: A057079
Score: 34.7572
Type of gen. func.: lgdogf

$$- \frac{x^2 + 2 x - 2}{(x + 1) (x^2 - x + 1)}$$

Sequence: A057079
Score: 9.57518
Type of gen. func.: ogf

$$(3 f(x) - 10) (f(x) x^2 - f(x) x + f(x) - x - 1)$$

Sequence: A057080
Score: 13.6472
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - 8 x + 1}$$

Sequence: A057080
Score: 14.3367
Type of gen. func.: revogf

$$- \frac{-1 - 8 x + (60 x^2 + 20 x + 1)^{1/2}}{2 (x - 1)}$$

Sequence: A057080
Score: 19.4239
Type of gen. func.: lgdogf

$$-\frac{x^2 + 2 x - 9}{(x + 1) (x^2 - 8 x + 1)}$$

Sequence: A057080
Score: 7.05891
Type of gen. func.: ogf

$$(70 f(x) + 11) (f(x) x^2 - 8 f(x) x + f(x) - x - 1)$$

Sequence: A057080
Score: 7.48933
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A057081
Score: 12.7592
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - 9 x + 1}$$

Sequence: A057081
Score: 13.3902
Type of gen. func.: revogf

$$-\frac{-9 x - 1 + (77 x^2 + 22 x + 1)^{1/2}}{2 (x - 1)}$$

Sequence: A057081

Score: 17.5746
Type of gen. func.: lgdogf

$$-\frac{x^2 + 2 x - 10}{(x + 1) (x^2 - 9 x + 1)}$$

Sequence: A057081
Score: 6.67634
Type of gen. func.: ogf

$$(22 f(x) + 3) (f(x) x^2 - 9 f(x) x + f(x) - x - 1)$$

Sequence: A057081
Score: 6.91766
Type of gen. func.: ogf

$$\{-a(n + 2) + 9 a(n + 1) - a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A057083
Score: 19.5465
Type of gen. func.: ogf

$$\frac{1}{3 x^2 - 3 x + 1}$$

Sequence: A057083
Score: 29.4147
Type of gen. func.: lgdogf

$$-\frac{3 (2 x - 1)}{3 x^2 - 3 x + 1}$$

Sequence: A057083
Score: 7.58863
Type of gen. func.: ogf

2

$$-(f(x) + 2) (3 f(x) x - 3 f(x) x + f(x) - 1)$$

Sequence: A057083
Score: 7.86627
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A057084
Score: 14.8998
Type of gen. func.: revogf

$$-\frac{-1 - 8 x + (32 x^2 + 16 x + 1)^{1/2}}{16 x}$$

Sequence: A057084
Score: 17.5205
Type of gen. func.: ogf

$$\frac{1}{8 x^2 - 8 x + 1}$$

Sequence: A057084
Score: 23.5914
Type of gen. func.: lgdogf

$$-\frac{8 (2 x - 1)}{8 x^2 - 8 x + 1}$$

Sequence: A057084
Score: 6.96598
Type of gen. func.: ogf

$$(41 f(x) + 23) (8 f(x) x^2 - 8 f(x) x + f(x) - 1)$$

Sequence: A057084
Score: 7.05093
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A057085
Score: 11.7879
Type of gen. func.: ogf

$$-9 f(x) x^2 + 9 f(x) x - f(x) + x$$

Sequence: A057085
Score: 13.7342
Type of gen. func.: revogf

$$- \frac{-9 x - 1 + (1 + 15 x)^{1/2} (3 x + 1)^{1/2}}{18 x}$$

Sequence: A057085
Score: 21.0753
Type of gen. func.: ogf

$$\frac{x}{9 x^2 - 9 x + 1}$$

Sequence: A057085
Score: 25.7516
Type of gen. func.: lgdogf

$$- \frac{9 (2 x - 1)}{9 x^2 - 9 x + 1}$$

Sequence: A057085
Score: 8.58622
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) + 9 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A057086
Score: 14.4202
Type of gen. func.: revogf

$$-\frac{-10 x - 1 + (60 x^2 + 20 x + 1)^{1/2}}{20 x}$$

Sequence: A057086
Score: 20.5288
Type of gen. func.: ogf

$$\frac{1}{10 x^2 - 10 x + 1}$$

Sequence: A057086
Score: 20.8292
Type of gen. func.: lgdogf

$$-\frac{10 (2 x - 1)}{10 x^2 - 10 x + 1}$$

Sequence: A057086
Score: 8.45302
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A057086
Score: 8.45303
Type of gen. func.: ogf

$$(71 f(x) + 29) (10 f(x) x^2 - 10 f(x) x + f(x) - 1)$$

Sequence: A057087

Score: 16.6916
Type of gen. func.: revogf

$$\frac{-4x-1+(32x^2+8x+1)^{1/2}}{8x}$$

Sequence: A057087
Score: 18.0779
Type of gen. func.: ogf

$$-\frac{1}{4x^2+4x-1}$$

Sequence: A057087
Score: 24.3419
Type of gen. func.: lgdogf

$$-\frac{4(2x+1)}{4x^2+4x-1}$$

Sequence: A057087
Score: 7.1876
Type of gen. func.: ogf

$$(29 f(x) - 13)(4 f(x) x^2 + 4 f(x) x - f(x) + 1)$$

Sequence: A057087
Score: 7.27526
Type of gen. func.: ogf

$$\{-a(n+2) + 4 a(n+1) + 4 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A057088
Score: 15.7163
Type of gen. func.: revogf

$$-1 - 5x + (45x^2 + 10x + 1)^{1/2}$$

```
--------------------------------
             10 x
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Sequence: A057088
Score: 24.0761
Type of gen. func.: ogf

$$-\frac{1}{5 x^2 + 5 x - 1}$$

Sequence: A057088
Score: 24.2293
Type of gen. func.: lgdogf

$$-\frac{5 (2 x + 1)}{5 x^2 + 5 x - 1}$$

Sequence: A057088
Score: 9.57245
Type of gen. func.: ogf

$$(41 f(x) - 16) (5 f(x) x^2 + 5 f(x) x - f(x) + 1)$$

Sequence: A057088
Score: 9.68917
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + 5 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A057089
Score: 15.1406
Type of gen. func.: revogf

$$\frac{-1 - 6 x + (60 x^2 + 12 x + 1)^{1/2}}{12 x}$$

Sequence: A057089
Score: 17.3389
Type of gen. func.: ogf

$$-\frac{1}{6 x^2 + 6 x - 1}$$

Sequence: A057089
Score: 23.3417
Type of gen. func.: lgdogf

$$-\frac{6 (2 x + 1)}{6 x^2 + 6 x - 1}$$

Sequence: A057089
Score: 6.89379
Type of gen. func.: ogf

$$(55 f(x) - 19) (6 f(x) x^2 + 6 f(x) x - f(x) + 1)$$

Sequence: A057089
Score: 6.97785
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) + 6 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A057090
Score: 16.1122
Type of gen. func.: revogf

$$\frac{-1 - 7 x + (77 x^2 + 14 x + 1)^{1/2}}{14 x}$$

Sequence: A057090
Score: 20.4813
Type of gen. func.: ogf

$$-\frac{1}{7 x^2 + 7 x - 1}$$

Sequence: A057090
Score: 24.8396
Type of gen. func.: lgdogf

$$-\frac{7 (2 x + 1)}{7 x^2 + 7 x - 1}$$

Sequence: A057090
Score: 8.14318
Type of gen. func.: ogf

$$(71 f(x) - 22) (7 f(x) x^2 + 7 f(x) x - f(x) + 1)$$

Sequence: A057090
Score: 8.24248
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) + 7 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A057091
Score: 15.1201
Type of gen. func.: revogf

$$\frac{-1 - 8 x + (96 x^2 + 16 x + 1)^{1/2}}{16 x}$$

Sequence: A057091
Score: 21.4962
Type of gen. func.: ogf

$$-\frac{1}{8 x^2 + 8 x - 1}$$

Sequence: A057091
Score: 23.3102
Type of gen. func.: lgdogf

$$-\frac{8\ (2\ x + 1)}{8\ x^{2} + 8\ x - 1}$$

Sequence: A057091
Score: 8.54667
Type of gen. func.: ogf

$$(89\ f(x) - 25)\ (8\ f(x)\ x^{2} + 8\ f(x)\ x - f(x) + 1)$$

Sequence: A057091
Score: 8.65089
Type of gen. func.: ogf

$$\{-a(n + 2) + 8\ a(n + 1) + 8\ a(n),\ a(0) = 1,\ a(1) = 8\}$$

Sequence: A057092
Score: 14.7222
Type of gen. func.: revogf

$$\frac{-9\ x - 1 + (117\ x^{2} + 18\ x + 1)^{1/2}}{18\ x}$$

Sequence: A057092
Score: 21.6807
Type of gen. func.: ogf

$$-\frac{1}{9\ x^{2} + 9\ x - 1}$$

Sequence: A057092
Score: 23.3102
Type of gen. func.: lgdogf

$$-\frac{9 (2 x + 1)}{9 x^2 + 9 x - 1}$$

Sequence: A057092
Score: 8.51741
Type of gen. func.: ogf

$$(109 f(x) - 28) (9 f(x) x^2 + 9 f(x) x - f(x) + 1)$$

Sequence: A057092
Score: 8.72515
Type of gen. func.: ogf

$$\{-a(n + 2) + 9 a(n + 1) + 9 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A057093
Score: 17.5903
Type of gen. func.: revogf

$$\frac{-10 x - 1 + (140 x^2 + 20 x + 1)^{1/2}}{20 x}$$

Sequence: A057093
Score: 19.9430
Type of gen. func.: ogf

$$-\frac{1}{10 x^2 + 10 x - 1}$$

Sequence: A057093
Score: 25.4082
Type of gen. func.: lgdogf

$$-\frac{10 (2 x + 1)}{10 x^2 + 10 x - 1}$$

Sequence: A057093
Score: 8.11634
Type of gen. func.: ogf

$$(131 f(x) - 31) (10 f(x) x^2 + 10 f(x) x - f(x) + 1)$$

Sequence: A057093
Score: 8.21182
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) + 10 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A057174
Score: 15.5480
Type of gen. func.: ogf

$$-\frac{4 x^2 + 3 x + 1}{(x - 1) (x + 1)^2}$$

Sequence: A057174
Score: 23.7249
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^3 + x^2 + 4 x + 1)}{(x - 1) (x + 1) (4 x^2 + 3 x + 1)}$$

Sequence: A057174
Score: 8.24722
Type of gen. func.: ogf

$$(188 f(x) + 253) (f(x) x^3 + f(x) x^2 - f(x) x + 4 x^2 - f(x) + 3 x + 1)$$

Sequence: A057174

Score: 8.46812
Type of gen. func.: ogf

$$\{-a(n+3) - a(n+2) + a(n+1) + a(n), a(0) = 1, a(1) = 2, a(2) = 3\}$$

Sequence: A057198
Score: 14.9873
Type of gen. func.: ogf

$$-\frac{4x - 3}{(3x - 1)(x - 1)}$$

Sequence: A057198
Score: 17.4051
Type of gen. func.: lgdogf

$$-\frac{7x^2 - 8x + 3}{(x - 1)(3x - 1)(x^2 + x - 1)}$$

Sequence: A057198
Score: 7.49362
Type of gen. func.: ogf

$$-(7 f(x) + 11)(3 f(x) x^2 - 4 f(x) x + f(x) + 4x - 3)$$

Sequence: A057198
Score: 8.22472
Type of gen. func.: ogf

$$\{a(n+2) - 4 a(n+1) + 3 a(n), a(0) = 3, a(1) = 8\}$$

Sequence: A057310
Score: 5.93444
Type of gen. func.: ogf

$$-\frac{(x^4 - x^3 + 3x^2 - x + 1)(x + 1)^3}{(x^2 + 1)(x^2 + x + 1)(x - 1)^3}$$

Sequence: A057310
Score: 7.51340
Type of gen. func.: lgdogf

$$-\frac{4 x^8 + 2 x^7 + 25 x^6 + 4 x^5 + 38 x^4 + 4 x^3 + 25 x^2 + 2 x + 4}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1) (x^4 - x^3 + 3 x^2 - x + 1)}$$

Sequence: A057331
Score: 6.19371
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 2)^3$$

Sequence: A057347
Score: 6.24132
Type of gen. func.: ogf

$$\frac{(x + 1) (x^{10} + 2 x^9 + 3 x^7 + 2 x^5 + x^4 + 2 x^3 + x^2 + x + 2)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A057349
Score: 9.19420
Type of gen. func.: ogf

$$\frac{2 x^6 + 3 x^5 + 3 x^4 + 3 x^3 + 2 x^2 + 3 x + 3}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A057353
Score: 12.8092
Type of gen. func.: ogf

$$\frac{x^2 (x^2 + x + 1)}{{}^{2} \qquad\qquad\qquad {}^{2}}$$

```
                           (x  + 1) (x + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A057353
Score: 14.1170
Type of gen. func.: lgdogf


                          5      4      3      2
                       3 x  + 5 x  + 7 x  + 3 x  + 4 x + 2
                    - -------------------------------------
                                        2        2
                      (x - 1) (x + 1) (x  + 1) (x  + x + 1)



------------------------------------------------------------------------------

Sequence:  A057353
Score: 30.3791
Type of gen. func.: ogf_with_Euler_transform]


                                   3    2
                                  x  - x  + 2



------------------------------------------------------------------------------

Sequence:  A057354
Score: 13.0953
Type of gen. func.: lgdogf


                        6    5      4      3      2
                     4 x  + x  + 7 x  + 2 x  + 2 x  + 3 x + 1
                   - ----------------------------------------
                               2        4    3    2
                     (x - 1) (x  + 1) (x  + x  + x  + x + 1)



------------------------------------------------------------------------------

Sequence:  A057354
Score: 14.6693
Type of gen. func.: ogf


                                   3   2
                                  x  (x  + 1)
                        -------------------------------
                          4    3    2                 2
                        (x  + x  + x  + x + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A057354
Score: 27.0342
Type of gen. func.: ogf_with_Euler_transform]


                                 4    3
                                x  - x  + x + 1
```

Sequence: A057355
Score: 10.9754
Type of gen. func.: lgdogf

$$-\frac{3x^7+5x^6+2x^5+8x^4+3x^3+5x^2+3x+1}{(x-1)(x^3+x^2+1)(x^4+x^3+x^2+x+1)}$$

Sequence: A057355
Score: 12.8498
Type of gen. func.: ogf

$$\frac{x^2(x^3+x^2+1)}{(x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A057356
Score: 14.6547
Type of gen. func.: ogf

$$\frac{x^4(x+1)(x^2-x+1)}{(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A057356
Score: 24.0910
Type of gen. func.: ogf_with_Euler_transform]

$$x^6-x^5+x^2+1$$

Sequence: A057356
Score: 9.12178
Type of gen. func.: lgdogf

$$-\frac{5x^9+x^8+x^7+9x^6+2x^5+2x^4+2x^3+4x^2+x+1}{(x-1)(x+1)(x^2-x+1)(x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A057357
Score: 13.0314
Type of gen. func.: ogf

$$\frac{x^3 (x^2 + x + 1) (x^2 - x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A057357
Score: 27.1655
Type of gen. func.: ogf_with_Euler_transform]

$$x^6 - x^5 + x + 1$$

Sequence: A057357
Score: 7.84934
Type of gen. func.: lgdogf

$$- \frac{4 x^{10} + x^9 + 7 x^8 + 2 x^7 + 10 x^6 + 3 x^5 + 3 x^4 + 6 x^3 + 2 x^2 + 3 x + 1}{(x - 1)^2 (x^2 + x + 1) (x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A057358
Score: 11.6628
Type of gen. func.: ogf

$$\frac{x^2 (x^5 + x^4 + x^2 + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A057358
Score: 7.47397
Type of gen. func.: lgdogf

$$- (3 x^{11} + 5 x^{10} + 2 x^9 + 8 x^8 + 3 x^7 + 11 x^6 + 4 x^5 + 8 x^4 + 6 x^3 + 2 x^2 + 3 x$$

/   5   4   2   6   5   4   3   2

+ 1) / ((x - 1) (x + x + x + 1) (x + x + x + x + x + x + 1))

Sequence: A057359
Score: 10.3981
Type of gen. func.: ogf

$$\frac{x^{2} (x^{5} + x^{4} + x^{3} + x + 1)}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A057359
Score: 7.17421
Type of gen. func.: lgdogf

$$- (3 x^{11} + 5 x^{10} + 7 x^{9} + 3 x^{8} + 10 x^{7} + 12 x^{6} + 5 x^{5} + 9 x^{4} + 7 x^{3} + 5 x^{2} + 2 x + 2) / ((x - 1) (x^{5} + x^{4} + x^{3} + x + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1))$$

Sequence: A057360
Score: 13.0701
Type of gen. func.: ogf

$$\frac{x^{3} (x^{5} + x^{3} + 1)}{(x + 1) (x^{4} + 1) (x^{2} + 1) (x - 1)^{2}}$$

Sequence: A057360
Score: 7.87265
Type of gen. func.: lgdogf

$$- (4 x^{12} + x^{11} + 7 x^{10} + 2 x^{9} + 2 x^{8} + 11 x^{7} + 3 x^{6} + 3 x^{5} + 7 x^{4} + 2 x^{3} + 4 x^{2} + x + 1) / ((x - 1) (x + 1) (x^{2} + 1) (x^{5} + x^{3} + 1) (x^{4} + 1))$$

Sequence: A057361
Score: 10.4817
Type of gen. func.: ogf

$$\frac{x^2 (x^6 + x^5 + x^3 + x^2 + 1)}{(x + 1) (x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A057362
Score: 10.0054
Type of gen. func.: ogf

$$x^3 (x^{10} + x^8 + x^5 + x^3 + 1) \Big/ \left((x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2\right)$$

Sequence: A057363
Score: 7.77753
Type of gen. func.: ogf

$$x^2 (x + 1) (x^2 - x + 1) (x^8 + x^7 + x^2 + 1) \Big/ \left((x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2\right)$$

Sequence: A057364
Score: 7.77447
Type of gen. func.: ogf

$$x^3 (x + 1) (x^4 - x^3 + x^2 - x + 1) (x^{13} + x^{11} + x^3 + 1) \Big/ \left((x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^{12} - x^{11} + x^9 - x^8 + x^6 - x^4 + x^3 - x + 1) (x - 1)^2\right)$$

Sequence: A057427
Score: 109.850
Type of gen. func.: revogf

$$\frac{x}{x + 1}$$

Sequence: A057427
Score: 123.581
Type of gen. func.: lgdogf

$$- \frac{1}{x - 1}$$

Sequence: A057427
Score: 13.8963
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1), a(0) = 0, a(1) = 1\}$$

Sequence: A057427
Score: 24.0644
Type of gen. func.: ogf

$$-f(x) x + f(x) - x$$

Sequence: A057427
Score: 34.0221
Type of gen. func.: ogf

$$- \frac{x}{x - 1}$$

Sequence: A057428
Score: 10.6090
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1), a(0) = 0, a(1) = -1\}$$

Sequence: A057428
Score: 138.463
Type of gen. func.: lgdogf

$$-\frac{1}{x-1}$$

Sequence: A057428
Score: 138.463
Type of gen. func.: revogf

$$\frac{x}{x-1}$$

Sequence: A057428
Score: 18.3717
Type of gen. func.: ogf

$$f(x)\,x - f(x) - x$$

Sequence: A057428
Score: 25.9738
Type of gen. func.: ogf

$$\frac{x}{x-1}$$

Sequence: A057446
Score: 13.0755
Type of gen. func.: ogf

$$-\frac{101\,x^3 + 31\,x^2 + 19\,x + 73}{(x-1)\,(x+1)\,(x^2+1)}$$

Sequence: A057446
Score: 7.43743
Type of gen. func.: ogf

$$-(208715211\,f(x) - 6305428300)\,(f(x)\,x^4 + 101\,x^3 + 31\,x^2 - f(x) + 19\,x + 73)$$

Sequence: A057446
Score: 8.54088
Type of gen. func.: lgdogf

$$-\frac{101 x^6 + 62 x^5 + 57 x^4 + 292 x^3 + 303 x^2 + 62 x + 19}{(x - 1) (x + 1) (x^2 + 1) (101 x^3 + 31 x^2 + 19 x + 73)}$$

Sequence: A057524
Score: 11.0656
Type of gen. func.: ogf

$$-\frac{1}{(x^2 + x + 1) (x + 1) (x - 1)^5}$$

Sequence: A057524
Score: 17.4065
Type of gen. func.: lgdogf

$$-\frac{8 x^3 + 11 x^2 + 8 x + 3}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A057524
Score: 30.3499
Type of gen. func.: ogf_with_Euler_transform]

$$x^2 + x + 3$$

Sequence: A057538
Score: 10.6017
Type of gen. func.: ogf

$$\frac{x^4 + 10 x^3 + 8 x^2 + 10 x + 1}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A057538
Score: 8.64740
Type of gen. func.: lgdogf

$$-\frac{x^7 + 21 x^6 + 35 x^5 + 59 x^4 + 37 x^3 + 49 x^2 + 27 x + 11}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 10 x^3 + 8 x^2 + 10 x + 1)}$$

Sequence: A057539
Score: 6.91134
Type of gen. func.: ogf

$$\frac{x^8 + 28 x^7 + 12 x^6 + 30 x^5 + 68 x^4 + 30 x^3 + 12 x^2 + 28 x + 1}{(x + 1) (x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A057543
Score: 3.77349
Type of gen. func.: ogf

$$-\frac{3 x^5 - 4 x^4 - x^2 + x - 1}{(x - 1)^2}$$

Sequence: A057544
Score: 4.18988
Type of gen. func.: ogf

$$-\frac{2 x^4 - 2 x^3 - x^2 + x - 1}{(x - 1)^2}$$

Sequence: A057544
Score: 5.19806
Type of gen. func.: lgdogf

$$\frac{4 x^4 - 10 x^3 + 6 x^2 + x + 1}{}$$

$$(x - 1) (2 x^4 - 2 x^3 - x^2 + x - 1)$$

Sequence: A057544
Score: 7.04376
Type of gen. func.: ogf

$$-(44 f(x) + 1043) (2 x^4 + f(x) x^2 - 2 x^3 - 2 f(x) x - x^2 + f(x) + x - 1)$$

Sequence: A057552
Score: 3.60179
Type of gen. func.: ogf

$$\{(-4 n^2 - 30 n - 56) a(n + 1) + (5 n^2 + 38 n + 71) a(n + 2) + (-n^2 - 8 n - 15) a(n + 3), a(0) = 1, a(1) = 5, a(2) = 20\}$$

Sequence: A057553
Score: 3.29332
Type of gen. func.: ogf

$$-4 f(x)^2 x^4 + 9 x^3 f(x)^2 - 8 f(x) x^4 - 6 f(x)^2 x^2 + 6 f(x) x^3 - 4 x^4 + f(x)^2 x + 11 f(x) x^2 - 3 x^3 - 11 f(x) x + 8 x^2 + 2 f(x) - 2$$

Sequence: A057566
Score: 13.7015
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 + 4 x + 1) (2 x^2 + x + 1)}{(x - 1) (x + 1) (2 x^3 + 4 x^2 - x + 1)}$$

Sequence: A057566
Score: 8.74796
Type of gen. func.: ogf

$$x (2 x^3 + 4 x^2 - x + 1)$$

$$\frac{}{(x+1)(x-1)^4}$$

Sequence: A057569
Score: 16.3284
Type of gen. func.: lgdogf

$$-\frac{3(2x^3+2x^2+5x+1)}{(x-1)(x+1)(2x^2+x+2)}$$

Sequence: A057569
Score: 9.41783
Type of gen. func.: ogf

$$-\frac{x(2x^2+x+2)}{(x+1)^2(x-1)^3}$$

Sequence: A057570
Score: 16.5171
Type of gen. func.: lgdogf

$$-\frac{9x^3+7x^2+22x+4}{(x-1)(x+1)(3x^2+x+3)}$$

Sequence: A057570
Score: 9.31956
Type of gen. func.: ogf

$$-\frac{x(3x^2+x+3)}{(x+1)^2(x-1)^3}$$

Sequence: A057587
Score: 13.2958
Type of gen. func.: lgdogf

$$-\frac{4x^4 - 4x^3 + 14x^2 + 7x + 3}{(x - 1)(x + 1)(x^3 - x^2 + 2x + 1)}$$

Sequence: A057587
Score: 7.74657
Type of gen. func.: ogf

$$\frac{x(x^3 - x^2 + 2x + 1)}{(x + 1)^3 (x - 1)^4}$$

Sequence: A057590
Score: 10.1314
Type of gen. func.: lgdogf

$$-\frac{5x^5 + 37x^4 - 4x^3 + 64x^2 + 11x + 7}{(x - 1)(x + 1)(x^4 + 6x^3 - 2x^2 + 6x + 1)}$$

Sequence: A057590
Score: 6.32698
Type of gen. func.: ogf

$$-\frac{x(x^4 + 6x^3 - 2x^2 + 6x + 1)}{(x + 1)^4 (x - 1)^5}$$

Sequence: A057592
Score: 6.77148
Type of gen. func.: lgdogf

$$-\frac{4x^8 - 14x^7 + 3x^6 + 16x^5 + 10x^4 + 34x^3 - 10x^2 - 14x + 5}{(x + 1)(x^2 - 3x + 1)(x^2 + x - 1)(4x^4 - 7x^3 - 8x^2 + 2x + 1)}$$

Sequence: A057592
Score: 8.15557
Type of gen. func.: ogf

$$-\frac{4 x^4 - 7 x^3 - 8 x^2 + 2 x + 1}{(x + 1) (x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A057597
Score: 10.582
Type of gen. func.: ogf

$$f(x) x^3 - f(x) x^2 - f(x) x + x^2 - f(x)$$

Sequence: A057597
Score: 20.9058
Type of gen. func.: ogf

$$-\frac{x^2}{x^3 - x^2 - x - 1}$$

Sequence: A057597
Score: 32.6749
Type of gen. func.: lgdogf

$$-\frac{(3 x + 1) (x - 1)}{x^3 - x^2 - x - 1}$$

Sequence: A057597
Score: 7.79217
Type of gen. func.: ogf

$$\{a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A057614
Score: 7.52233
Type of gen. func.: ogf

$$-(51x^{10}+102x^9+204x^8+408x^7+37x^6+259x^5+518x^4+47x^3+94x^2+188x+17) / ((x-1)(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1))$$

Sequence: A057651
Score: 16.6671
Type of gen. func.: ogf

$$\frac{x+1}{(5x-1)(x-1)}$$

Sequence: A057651
Score: 17.1467
Type of gen. func.: revogf

$$-\frac{-1-6x+(16x^2+16x+1)^{1/2}}{2(5x-1)}$$

Sequence: A057651
Score: 20.4808
Type of gen. func.: lgdogf

$$-\frac{5x^2+10x-7}{(x-1)(5x-1)(x+1)}$$

Sequence: A057651
Score: 8.62093
Type of gen. func.: ogf

$$(32f(x)+17)(5f(x)x^2-6f(x)x+f(x)-x-1)$$

Sequence: A057651
Score: 9.14659

Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 5 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A057655
Score: 11.0928
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^3 + 3 x^2 - x + 5}{-x^3 - x^2 - x - 1}$$

Sequence: A057656
Score: 20.9031
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x + 3}{-x - 1}$$

Sequence: A057658
Score: 3.33578
Type of gen. func.: ogf

$$\{(-n^2 - 11 n - 30) a(n + 1) + (2 n^2 + 16 n + 54) a(n + 2)$$

$$+ (-n^2 - 5 n - 6) a(n + 3), a(0) = 0, a(1) = 8640, a(2) = 172800\}$$

Sequence: A057658
Score: 9.35590
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^4 + 37 x^3 + 95 x^2 + 65 x + 10)}{(x - 1) (x^4 + 10 x^3 + 20 x^2 + 10 x + 1)}$$

Sequence: A057666
Score: 15.8382
Type of gen. func.: lgdogf

$$-\frac{3\,(8x^2+33x+15)}{(x-1)\,(4x^2+13x+4)}$$

Sequence: A057666
Score: 5.35981
Type of gen. func.: ogf

$$\frac{240\,x\,(4x^2+13x+4)}{(x-1)^8}$$

Sequence: A057675
Score: 11.1774
Type of gen. func.: lgdogf

$$-\frac{2x^4-8x^3+57x^2+62x+7}{(x-1)\,(2x^4-8x^3+27x^2+2x+1)}$$

Sequence: A057675
Score: 7.24797
Type of gen. func.: ogf

$$-\frac{2x^4-8x^3+27x^2+2x+1}{(x-1)^5}$$

Sequence: A057681
Score: 10.3199
Type of gen. func.: ogf

$$3\,f(x)\,x^2-3\,f(x)\,x-x^2+f(x)+2x-1$$

Sequence: A057681
Score: 13.8248
Type of gen. func.: ogf

$$\frac{(x-1)^2}{3x^2 - 3x + 1}$$

Sequence: A057681
Score: 29.4442
Type of gen. func.: lgdogf

$$\frac{3x - 1}{(x-1)(3x^2 - 3x + 1)}$$

Sequence: A057681
Score: 7.18345
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1),\ a(0) = 1,\ a(1) = 1,\ a(2) = 1\}$$

Sequence: A057682
Score: 10.7173
Type of gen. func.: ogf

$$-3\,f(x)\,x^2 + 3\,f(x)\,x - x^2 - f(x) + x$$

Sequence: A057682
Score: 14.6542
Type of gen. func.: ogf

$$-\frac{x(x-1)}{3x^2 - 3x + 1}$$

Sequence: A057682
Score: 17.4223
Type of gen. func.: revogf

$$-\frac{-1 - 3x + (-(3x+1)(x-1))^{1/2}}{}$$

$$2 (3 x + 1)$$

Sequence: A057682
Score: 23.0589
Type of gen. func.: lgdogf

$$- \frac{3 x^2 - 6 x + 2}{(x - 1) (3 x^2 - 3 x + 1)}$$

Sequence: A057682
Score: 7.10949
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A057688
Score: 5.09769
Type of gen. func.: ogf

$$(3 x^{15} + 17 x^{14} + 33 x^{13} - 2 x^{12} - 4 x^{11} - 8 x^{10} + 49 x^9 - 3 x^8 + 5 x^7 + 10 x^6 + 2 x^5 - 7 x^4 - 61 x^3 - 13 x^2 - 26 x - 5) / ((x - 1) (x^2 + x + 1))$$

Sequence: A057693
Score: 28.7124
Type of gen. func.: lgdegf]

$$\frac{(x^2 + 2) (x + 1)^2}{x^2 + x + 1}$$

Sequence: A057693
Score: 4.24817
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) + (n + 3) a(n + 2) - a(n + 4) + a(n + 3), a(0) = 1,$$

a(1) = 1, a(2) = 2, a(3) = 6}

Sequence: A057703
Score: 13.7200
Type of gen. func.: lgdogf

$$-\frac{2x^4 - 2x^3 + 10x^2 - 7x + 3}{(x - 1)(x^4 - 2x^3 + 4x^2 - 3x + 1)}$$

Sequence: A057703
Score: 7.34360
Type of gen. func.: ogf

$$\frac{x(x^4 - 2x^3 + 4x^2 - 3x + 1)}{(x - 1)^6}$$

Sequence: A057711
Score: 12.3503
Type of gen. func.: ogf

$$\frac{x(2x^2 - 2x + 1)}{(2x - 1)^2}$$

Sequence: A057711
Score: 28.9027
Type of gen. func.: lgdogf

$$-\frac{2}{(2x - 1)(2x^2 - 2x + 1)}$$

Sequence: A057711
Score: 6.22981
Type of gen. func.: ogf

{a(n + 4) - 4 a(n + 3) + 4 a(n + 2), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 6}

Sequence: A057711
Score: 7.90975
Type of gen. func.: ogf

$$f(x)\,(4\,f(x)\,x^2 - 2\,x^3 - 4\,f(x)\,x + 2\,x^2 + f(x) - x)$$

Sequence: A057717
Score: 12.8306
Type of gen. func.: ogf

$$-\frac{x\,(x^9 - x^8 + x - 2)}{(x - 1)^2}$$

Sequence: A057717
Score: 18.9573
Type of gen. func.: lgdogf

$$\frac{7\,x^9 - 15\,x^8 + 8\,x^7 - x + 3}{(x - 1)\,(x^9 - x^8 + x - 2)}$$

Sequence: A057721
Score: 11.5747
Type of gen. func.: lgdogf

$$-\frac{5\,x^4 + 28\,x^3 + 54\,x^2 + 28\,x + 5}{(x - 1)\,(5\,x^4 + 4\,x^3 + 14\,x^2 + 1)}$$

Sequence: A057721
Score: 7.44909
Type of gen. func.: ogf

$$-\frac{5\,x^4 + 4\,x^3 + 14\,x^2 + 1}{5}$$

$$(x - 1)$$

Sequence: A057722
Score: 11.8342
Type of gen. func.: lgdogf

$$-\frac{x^4 - 16 x^3 - 90 x^2 - 16 x + 1}{(x - 1) (x^4 - 10 x^3 - 20 x^2 + 6 x - 1)}$$

Sequence: A057722
Score: 7.30720
Type of gen. func.: ogf

$$\frac{x^4 - 10 x^3 - 20 x^2 + 6 x - 1}{(x - 1)^5}$$

Sequence: A057744
Score: 12.8819
Type of gen. func.: ogf

$$-\frac{2 x^3 - 1}{(2 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A057744
Score: 14.4056
Type of gen. func.: lgdogf

$$-\frac{4 x^6 - 3 x^2 + 2}{(x - 1) (2 x - 1) (2 x^3 - 1) (x^2 + x + 1)}$$

Sequence: A057744
Score: 5.92151
Type of gen. func.: ogf

{a(n + 4) - 2 a(n + 3) - a(n + 1) + 2 a(n), a(0) = 1, a(1) = 2, a(2) = 4,

a(3) = 7}

Sequence: A057744
Score: 6.49793
Type of gen. func.: ogf

$$-(41 f(x) + 30) (2 f(x) x^4 - f(x) x^3 + 2 x^3 - 2 f(x) x + f(x) - 1)$$

Sequence: A057769
Score: 14.0998
Type of gen. func.: lgdogf

$$-\frac{x^4 - 20 x^3 - 258 x^2 - 196 x - 7}{(x - 1) (x^4 - 12 x^3 - 74 x^2 - 12 x + 1)}$$

Sequence: A057769
Score: 9.17468
Type of gen. func.: ogf

$$\frac{x^4 - 12 x^3 - 74 x^2 - 12 x + 1}{(x - 1)^5}$$

Sequence: A057780
Score: 10.0085
Type of gen. func.: ogf

$$-\frac{3 x (x^2 + 4 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A057780
Score: 18.3882
Type of gen. func.: lgdogf

$$-\frac{(x+5)(3x + 2x + 1)}{(x-1)(x+1)(x^2+4x+1)}$$

Sequence: A057781
Score: 11.5040
Type of gen. func.: lgdogf

$$-\frac{5(x^4+2x^3+18x^2+2x+1)}{(x-1)(5x^4-5x^3+35x^2-15x+4)}$$

Sequence: A057781
Score: 7.37991
Type of gen. func.: ogf

$$-\frac{5x^4-5x^3+35x^2-15x+4}{(x-1)^5}$$

Sequence: A057788
Score: 34.4383
Type of gen. func.: lgdogf

$$-\frac{13+11x}{(x-1)(x+1)}$$

Sequence: A057788
Score: 34.6852
Type of gen. func.: ogf_with_Euler_transform]

[13 - x]

Sequence: A057788
Score: 5.28159
Type of gen. func.: ogf

$$\frac{x+1}{{}^{12}}$$

$$(x - 1)$$

Sequence: A057788
Score: 5.58777
Type of gen. func.: ogf

$\{(-n - 3) a(n + 3) + 13 a(n + 2) + (12 + n) a(n + 1), a(0) = 1, a(1) = 13, a(2) = 90\}$

Sequence: A057813
Score: 10.6834
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 6 x + 1)}{(x - 1)^4}$$

Sequence: A057813
Score: 17.9525
Type of gen. func.: lgdogf

$$- \frac{x^3 + 17 x^2 + 35 x + 11}{(x - 1) (x + 1) (x^2 + 6 x + 1)}$$

Sequence: A057813
Score: 4.57011
Type of gen. func.: ogf

$\{(-2 n^2 - 7 n - 6) a(n + 1) + (4 n^2 + 20 n + 57) a(n + 2) + (-2 n^2 - 13 n - 21) a(n + 3), a(0) = 1, a(1) = 11, a(2) = 45\}$

Sequence: A057813
Score: 5.71264
Type of gen. func.: ogf

$(2048 f(x) + 10659)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 7 x^2 + f(x) - 7 x - 1)$$

Sequence: A057814
Score: 10.6075
Type of gen. func.: lgdegf]

$$-a(n + 1) + (n + 2) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0,$$

$$a(4) = 1/24$$

Sequence: A057816
Score: 5.16719
Type of gen. func.: ogf

$$(8 x^{17} + 24 x^{16} - 2 x^{15} - 6 x^{14} - 2 x^{13} - 6 x^{12} + 40 x^{11} - 4 x^{10} - 12 x^9$$

$$+ 88 x^8 - 8 x^7 - 24 x^6 - 6 x^5 - 18 x^4 + 152 x^3 - 14 x^2 - 171 x - 43)/($$

$$(x - 1) (x + 1))$$

Sequence: A057819
Score: 14.4778
Type of gen. func.: ogf

$$- \frac{7 x - 4}{x^2 - 4 x + 1}$$

Sequence: A057819
Score: 18.7879
Type of gen. func.: lgdogf

$$- \frac{7 x^2 - 8 x + 9}{(7 x - 4) (x^2 - 4 x + 1)}$$

Sequence: A057819
Score: 19.3572
Type of gen. func.: revogf

$$-\frac{-2 - 2 x + (3 x^{2} + x + 4)^{1/2}}{x + 7}$$

Sequence: A057819
Score: 7.15935
Type of gen. func.: ogf

$$-(28 f(x) - 31) (f(x) x^{2} - 4 f(x) x + f(x) + 7 x - 4)$$

Sequence: A057819
Score: 7.94512
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + a(n), a(0) = 4, a(1) = 9\}$$

Sequence: A057837
Score: 12.2326
Type of gen. func.: lgdegf]

$$-a(n + 1) + (n + 2) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1/6$$

Sequence: A057886
Score: 11.6160
Type of gen. func.: lgdogf

$$-\frac{6 x^{6} - 6 x^{5} + 4 x^{4} + 5 x^{3} + 3 x^{2} + 3 x + 1}{(x - 1) (x + 1) (x^{2} + 1) (x^{3} - x^{2} + 1)}$$

Sequence: A057886
Score: 8.09055
Type of gen. func.: ogf

$$\frac{x^{3} (x^{3} - x^{2} + 1)}{(x^{2} + 1) (x + 1)^{3} (x - 1)^{4}}$$

Sequence: A057947
Score: 12.9655
Type of gen. func.: ogf

$$-\frac{84 x^7 - 84 x^6 + 9 x - 10}{(x - 1)^2}$$

Sequence: A057947
Score: 13.3428
Type of gen. func.: lgdogf

$$\frac{420 x^7 - 924 x^6 + 504 x^5 - 9 x + 11}{(x - 1) (84 x^7 - 84 x^6 + 9 x - 10)}$$

Sequence: A057960
Score: 11.0646
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 4 x^3 - 3 x^2 - 2 x + 2}{(x - 1) (2 x^2 + 2 x - 1) (x^2 + x - 1)}$$

Sequence: A057960
Score: 11.9396
Type of gen. func.: ogf

$$-\frac{x^2 + x - 1}{(x - 1) (2 x^2 + 2 x - 1)}$$

Sequence: A057960
Score: 6.73193
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 2 a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$

Sequence: A057960
Score: 8.34188
Type of gen. func.: ogf

$$(50 f(x) - 21) (2 f(x) x^3 - 3 f(x) x + x^2 + f(x) + x - 1)$$

Sequence: A057977
Score: 6.18971
Type of gen. func.: ogf

$$4 f(x)^2 x^4 - f(x)^2 x^2 + 4 f(x) x^3 - 4 f(x) x^2 - f(x) x + 5 x^2 + f(x) - 1$$

Sequence: A057979
Score: 12.8076
Type of gen. func.: ogf

$$-f(x) x^4 + 2 f(x) x^2 + x^3 - x^2 - f(x) + 1$$

Sequence: A057979
Score: 15.7470
Type of gen. func.: ogf

$$\frac{x^3 - x^2 + 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A057979
Score: 21.5251
Type of gen. func.: lgdogf

$$- \frac{x (x^3 - 2 x^2 + 3 x + 2)}{(x - 1) (x + 1) (x^3 - x^2 + 1)}$$

Sequence: A058001
Score: 3.97626
Type of gen. func.: ogf

$$\frac{12 x^7 + 369 x^6 + 2514 x^5 + 4375 x^4 + 2360 x^3 + 423 x^2 + 26 x + 1}{(x - 1)^{10}}$$

Sequence: A058001
Score: 5.79909
Type of gen. func.: lgdogf

$$- 12 (3 x^7 + 130 x^6 + 1232 x^5 + 3235 x^4 + 2835 x^3 + 872 x^2 + 90 x + 3) / ((x - 1) (12 x^7 + 369 x^6 + 2514 x^5 + 4375 x^4 + 2360 x^3 + 423 x^2 + 26 x + 1))$$

Sequence: A058006
Score: 4.90383
Type of gen. func.: ogf

{(n + 3) a(n + 1) + (-2 - n) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 0, a(2) = 2}

Sequence: A058031
Score: 12.6965
Type of gen. func.: lgdogf

$$- \frac{9 x^4 + 44 x^3 + 54 x^2 + 12 x + 1}{(x - 1) (9 x^4 + 4 x^3 + 14 x^2 - 4 x + 1)}$$

Sequence: A058031
Score: 8.35025
Type of gen. func.: ogf

$$- \frac{9 x^4 + 4 x^3 + 14 x^2 - 4 x + 1}{(x - 1)^5}$$

Sequence: A058034
Score: 7.44842

Type of gen. func.: lgdogf

$$-\frac{3 x^{8} + 18 x^{7} + 36 x^{6} + 58 x^{5} + 58 x^{4} + 58 x^{3} + 36 x^{2} + 18 x + 3}{(x - 1) (x + 1) (x^{2} + 1) (3 x^{5} + 6 x^{4} + 6 x^{3} + 7 x^{2} + x + 1)}$$

Sequence: A058034
Score: 8.04339
Type of gen. func.: ogf

$$-\frac{3 x^{5} + 6 x^{4} + 6 x^{3} + 7 x^{2} + x + 1}{(x + 1) (x^{2} + 1) (x - 1)^{3}}$$

Sequence: A058035
Score: 5.63867
Type of gen. func.: ogf

$$\frac{64 x^{33} - 122 x^{32} + 64 x^{31} + 24 x^{17} - 47 x^{16} + 24 x^{15} - 3}{(6 x^{32} + x^{16} - 3) (x - 1)^{2}}$$

Sequence: A058038
Score: 15.3178
Type of gen. func.: ogf

$$-\frac{3 x}{(x - 1) (x^{2} - 7 x + 1)}$$

Sequence: A058038
Score: 20.6069
Type of gen. func.: lgdogf

$$-\frac{3 x^{2} - 16 x + 8}{(x - 1) (x^{2} - 7 x + 1)}$$

Sequence: A058038
Score: 6.15448
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 8 a(n + 1) - a(n), a(0) = 0, a(1) = 3, a(2) = 24\}$$

Sequence: A058038
Score: 8.95198
Type of gen. func.: ogf

$$f(x) x^{3} - 8 f(x) x^{2} + 8 f(x) x - f(x) + 3 x$$

Sequence: A058051
Score: 2.97063
Type of gen. func.: ogf

$$-(f(x) x - f(x) + x)^{2}$$

Sequence: A058053
Score: 3.97122
Type of gen. func.: ogf

$$- \frac{x^{8} - x^{7} + x^{6} + x^{4} + x^{2} - x + 1}{(x^{2} + 1) (x^{2} - x + 1) (x^{2} + x + 1)^{3} (x + 1)^{3} (x - 1)^{7}}$$

Sequence: A058094
Score: 7.19378
Type of gen. func.: ogf

$$- \frac{3 x^{5} + x^{4} - 5 x^{3} + 7 x^{2} - 5 x + 1}{x^{6} - 4 x^{5} - 4 x^{4} + 9 x^{3} - 11 x^{2} + 6 x - 1}$$

Sequence: A058095
Score: 19.1730
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4x-4}{x^3-1}$$

Sequence: A058183
Score: 17.1551
Type of gen. func.: lgdogf

$$\frac{7x^9-9x^8-2}{(x-1)(x+1)(x^2-x+1)(x^6-x^3+1)}$$

Sequence: A058183
Score: 17.8485
Type of gen. func.: ogf

$$\frac{(x+1)(x^2-x+1)(x^6-x^3+1)}{(x-1)^2}$$

Sequence: A058183
Score: 29.0482
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{17}+x^8+2$$

Sequence: A058183
Score: 4.67688
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) + a(n + 1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 4,

a(4) = 5, a(5) = 6, a(6) = 7, a(7) = 8, a(8) = 9, a(9) = 11}

Sequence: A058184
Score: 12.1590
Type of gen. func.: ogf

$$x^2 (2x-1)$$

$$\overline{x^4 + x^2 - 2 x + 1}$$

Sequence: A058184
Score: 17.3107
Type of gen. func.: lgdogf

$$-\frac{2 x (3 x^3 - 2 x^2 + x - 1)}{(2 x - 1) (x^4 + x^2 - 2 x + 1)}$$

Sequence: A058184
Score: 8.33372
Type of gen. func.: ogf

$$f(x) x^4 + f(x) x^2 - 2 x^3 - 2 f(x) x + x^2 + f(x)$$

Sequence: A058187
Score: 11.4207
Type of gen. func.: ogf

$$\frac{1}{(x + 1)^3 (x - 1)^4}$$

Sequence: A058187
Score: 39.5055
Type of gen. func.: ogf_with_Euler_transform]

$$[3 x + 1]$$

Sequence: A058187
Score: 40.8953
Type of gen. func.: lgdogf

$$-\frac{7 x + 1}{(x - 1) (x + 1)}$$

Sequence: A058187
Score: 6.22173
Type of gen. func.: ogf

$\{(n + 3) a(n + 3) - a(n + 2) + (-8 - n) a(n + 1), a(0) = 1, a(1) = 1, a(2) = 4\}$

Sequence: A058195
Score: 11.7617
Type of gen. func.: ogf

$$-\frac{3 x + 1}{(x + 1) (x - 1)^{5}}$$

Sequence: A058195
Score: 19.5592
Type of gen. func.: lgdogf

$$-\frac{15 x^{2} + 18 x + 7}{(x - 1) (3 x + 1) (x + 1)}$$

Sequence: A058195
Score: 4.05777
Type of gen. func.: ogf

$\{(-n - 4) a(n + 4) + (-2 - 3 n) a(n + 3) + (20 + n) a(n + 2)$

$+ (18 + 3 n) a(n + 1), a(0) = 1, a(1) = 7, a(2) = 23, a(3) = 57\}$

Sequence: A058200
Score: 12.773
Type of gen. func.: ogf

$$-432 f(x) x + f(x) + 3879 x - 9$$

Sequence: A058200
Score: 13.3638
Type of gen. func.: revogf

2   1/2

$$\frac{1}{862} + \frac{24 x}{431} - \frac{(20736 x - 860 x + 9)}{2586}$$

Sequence: A058200
Score: 15.2060
Type of gen. func.: ogf

$$\frac{9 (-1 + 431 x)}{432 x - 1}$$

Sequence: A058200
Score: 29.9093
Type of gen. func.: lgdogf

$$\frac{1}{(432 x - 1) (-1 + 431 x)}$$

Sequence: A058200
Score: 8.63045
Type of gen. func.: ogf

$$\{a(n + 2) - 432 a(n + 1), a(0) = 9, a(1) = 9\}$$

Sequence: A058207
Score: 10.9672
Type of gen. func.: lgdogf

$$- \frac{2 (x^8 + 2 x^7 - x^6 - 2 x^5 - 3 x^4 + x^3 - 2 x - 1)}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (x^4 + x^3 - x^2 - x - 1)}$$

Sequence: A058207
Score: 11.4017
Type of gen. func.: ogf

$$- \frac{x (x^4 + x^3 - x^2 - x - 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A058212
Score: 12.6128
Type of gen. func.: lgdogf

$$-\frac{x^2 (x^4 + 2 x^3 + 5 x^2 - 2 x + 3)}{(x - 1) (x^2 + x + 1) (x^4 + x^2 - 2 x + 1)}$$

Sequence: A058212
Score: 8.99784
Type of gen. func.: ogf

$$-\frac{x^4 + x^2 - 2 x + 1}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A058224
Score: 8.59223
Type of gen. func.: ogf

$$-\frac{x^5 - x^4 - x^2 + x - 1}{(x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A058224
Score: 9.34665
Type of gen. func.: lgdogf

$$-\frac{x^9 - x^8 - x^7 - x^6 + 2 x^5 - 4 x^4 + 3 x^3 - 5 x^2 + x - 1}{(x - 1) (x^2 + x + 1) (x^2 - x + 1) (x^5 - x^4 - x^2 + x - 1)}$$

Sequence: A058276
Score: 7.43228
Type of gen. func.: ogf

$$(f(x) - 1)^2$$

Sequence: A058278
Score: 15.9863
Type of gen. func.: ogf

$$\frac{(x-1)(x+1)}{x^3+x-1}$$

Sequence: A058278
Score: 18.8287
Type of gen. func.: lgdogf

$$-\frac{x^4-4x^2+2x-1}{(x-1)(x+1)(x^3+x-1)}$$

Sequence: A058278
Score: 8.42287
Type of gen. func.: ogf

$$\{a(n+3)-a(n+2)-a(n),\ a(0)=1,\ a(1)=1,\ a(2)=0\}$$

Sequence: A058278
Score: 8.80143
Type of gen. func.: ogf

$$(f(x)-4)(f(x)x^3+f(x)x-x^2-f(x)+1)$$

Sequence: A058279
Score: 3.32107
Type of gen. func.: ogf

$$\{(n+2)a(n+1)+(n^2+5n+4)a(n+2)+(-n^2-10n-22)a(n+3)$$
$$+(n+4)a(n+4),\ a(0)=1,\ a(1)=1,\ a(2)=4,\ a(3)=17\}$$

Sequence: A058281
Score: 10.6727
Type of gen. func.: lgdogf

$$-\frac{x^7-6x^6+3x^5+x^4-17x^3-3x^2-2x-1}{(x-1)(x^2+x+1)(x^2-x+1)(x^3-2x^2-2x-1)}$$

Sequence: A058281
Score: 11.5526
Type of gen. func.: ogf

$$-\frac{(x^2-x+1)(x^3-2x^2-2x-1)}{(x-1)^2(x^2+x+1)^2}$$

Sequence: A058307
Score: 6.02356
Type of gen. func.: ogf

$$\{a(n+1)+(n+4)a(n+2)-a(n+3), a(0)=0, a(1)=1, a(2)=3\}$$

Sequence: A058308
Score: 5.62065
Type of gen. func.: ogf

$$\{-a(n+1)+(-n-5)a(n+2)+a(n+3), a(0)=0, a(1)=1, a(2)=4\}$$

Sequence: A058309
Score: 5.90689
Type of gen. func.: ogf

$$\{-a(n+1)+(-n-6)a(n+2)+a(n+3), a(0)=0, a(1)=1, a(2)=5\}$$

Sequence: A058310
Score: 12.1730
Type of gen. func.: lgdogf

$$-\frac{(x+1)(x^3-3x^2-18x-10)}{}$$

$$(x - 1) (x^2 + x + 1) (x^2 - 4 x - 1)$$

Sequence: A058310
Score: 8.36213
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^2 - 4 x - 1)}{(x - 1)^5}$$

Sequence: A058319
Score: 13.1581
Type of gen. func.: ogf

$$\frac{x^4 - 6 x^3 + 16 x^2 - 42 x - 17}{x - 1}$$

Sequence: A058319
Score: 13.3123
Type of gen. func.: lgdogf

$$\frac{3 x^4 - 16 x^3 + 34 x^2 - 32 x + 59}{(x - 1) (x^4 - 6 x^3 + 16 x^2 - 42 x - 17)}$$

Sequence: A058319
Score: 8.0202
Type of gen. func.: ogf

$$(205055 f(x) + 6820296) (-x^4 + 6 x^3 + f(x) x - 16 x^2 - f(x) + 42 x + 17)$$

Sequence: A058331
Score: 13.3666
Type of gen. func.: ogf

$$- \frac{3 x^2 + 1}{}$$

$$(x-1)^3$$

Sequence: A058331
Score: 28.7148
Type of gen. func.: lgdogf

$$-\frac{3(x+1)^2}{(x-1)(3x^2+1)}$$

Sequence: A058331
Score: 6.80267
Type of gen. func.: ogf

$$\{a(n+3)-3a(n+2)+3a(n+1)-a(n),\ a(0)=1,\ a(1)=3,\ a(2)=9\}$$

Sequence: A058331
Score: 7.39708
Type of gen. func.: ogf

$$-f(x)(f(x)x^3-3f(x)x^2+3f(x)x+3x^2-f(x)+1)$$

Sequence: A058333
Score: 11.1373
Type of gen. func.: lgdogf

$$-\frac{2(7x^3+6x^2-25x-8)}{(x-1)(x+1)(7x^2-10x-1)}$$

Sequence: A058333
Score: 6.60915
Type of gen. func.: ogf

$$\frac{(x+1)(7x^2-10x-1)}{(x-1)^5}$$

Sequence: A058343
Score: 10.8502
Type of gen. func.: egf]

$$(f(x) - 1)^2$$

Sequence: A058345
Score: 2.48742
Type of gen. func.: ogf

$$-(2 f(x) x - f(x) - x + 1)^2$$

Sequence: A058349
Score: 37.3479
Type of gen. func.: revegf]

$$-\exp(-x) - \exp(x) + x + 2$$

Sequence: A058364
Score: 16.8535
Type of gen. func.: ogf

$$-\frac{9 x^8 + 1}{x^9 + x - 1}$$

Sequence: A058364
Score: 17.9986
Type of gen. func.: lgdogf

$$-\frac{9 x^{16} - 54 x^8 + 72 x^7 + 1}{(x^9 + x - 1) (9 x^8 + 1)}$$

Sequence: A058365
Score: 16.2890

Type of gen. func.: ogf

$$-\frac{8x^{7}+1}{x^{8}+x-1}$$

Sequence: A058365
Score: 17.3874
Type of gen. func.: lgdogf

$$-\frac{8x^{14}-40x^{7}+56x^{6}+1}{(x^{8}+x-1)(8x^{7}+1)}$$

Sequence: A058366
Score: 16.3666
Type of gen. func.: ogf

$$-\frac{7x^{6}+1}{x^{7}+x-1}$$

Sequence: A058366
Score: 17.4737
Type of gen. func.: lgdogf

$$-\frac{7x^{12}-28x^{6}+42x^{5}+1}{(7x^{6}+1)(x^{7}+x-1)}$$

Sequence: A058367
Score: 16.8381
Type of gen. func.: ogf

$$-\frac{6x^{5}+1}{x^{6}+x-1}$$

Sequence: A058367
Score: 17.9889
Type of gen. func.: lgdogf

$$-\frac{6 x^{10} - 18 x^{5} + 30 x^{4} + 1}{(6 x^{5} + 1) (x^{6} + x - 1)}$$

Sequence: A058368
Score: 13.7421
Type of gen. func.: lgdogf

$$-\frac{5 x^{8} - 10 x^{4} + 20 x^{3} + 1}{(x^{2} - x + 1) (5 x^{4} + 1) (x^{3} + x^{2} - 1)}$$

Sequence: A058368
Score: 16.0178
Type of gen. func.: ogf

$$-\frac{5 x^{4} + 1}{(x^{2} - x + 1) (x^{3} + x^{2} - 1)}$$

Sequence: A058368
Score: 8.09146
Type of gen. func.: ogf

$$(73601 f(x) - 82125) (f(x) x^{5} + 5 x^{4} + f(x) x - f(x) + 1)$$

Sequence: A058372
Score: 10.7255
Type of gen. func.: ogf

$$\frac{x^{2} - 5 x + 2}{(x - 1)^{4}}$$

Sequence: A058372
Score: 5.48192
Type of gen. func.: ogf

$$(2848 f(x) - 6025)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - x^2 + f(x) + 5 x - 2)$$

Sequence: A058373
Score: 10.6840
Type of gen. func.: ogf

$$\frac{x^2 (3 x - 1)}{(x - 1)^4}$$

Sequence: A058373
Score: 30.7165
Type of gen. func.: lgdogf

$$- \frac{-1 + 9 x}{(3 x - 1) (x - 1)}$$

Sequence: A058373
Score: 4.98105
Type of gen. func.: ogf

$\{(n + 1) a(n + 3) + (-1 - 4 n) a(n + 2) + (6 + 3 n) a(n + 1), a(0) = 0,$

$a(1) = 0, a(2) = -1\}$

Sequence: A058373
Score: 5.54282
Type of gen. func.: ogf

$$-(3 f(x) + 1) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 3 x^3 - 4 f(x) x + x^2 + f(x))$$

Sequence: A058374

Score: 2.17225
Type of gen. func.: ogf

$$-(2 f(x) x - f(x) - x + 1)^2$$

Sequence: A058381
Score: 21.7468
Type of gen. func.: revegf]

$$-(\exp(x) - 1 - 2 x - x^2) \exp(-x)$$

Sequence: A058389
Score: 4.47022
Type of gen. func.: ogf

$$-\frac{x^8 + 3 x^7 + 14 x^6 + 12 x^5 + 15 x^4 + 9 x^3 + 5 x^2 + 1}{(x^2 + x + 1) (x + 1)^3 (x - 1)^7}$$

Sequence: A058396
Score: 41.8808
Type of gen. func.: lgdogf

$$\frac{3}{(2 x - 1) (x - 1)}$$

Sequence: A058396
Score: 5.10121
Type of gen. func.: ogf

{-a(n + 4) + 6 a(n + 3) - 12 a(n + 2) + 8 a(n + 1), a(0) = 1, a(1) = 3,

a(2) = 9, a(3) = 25}

Sequence: A058396
Score: 5.69634
Type of gen. func.: ogf

$$(f(x) - 1) (8 f(x) x^3 - 12 f(x) x^2 - x^3 + 6 f(x) x + 3 x^2 - f(x) - 3 x + 1)$$

Sequence: A058396
Score: 9.76517
Type of gen. func.: ogf

$$\frac{(x - 1)^3}{(2 x - 1)^3}$$

Sequence: A058481
Score: 13.9485
Type of gen. func.: ogf

$$\frac{3 x + 1}{(3 x - 1) (x - 1)}$$

Sequence: A058481
Score: 14.9953
Type of gen. func.: revogf

$$- \frac{-4 x - 1 + (4 x^2 + 20 x + 1)^{1/2}}{6 (x - 1)}$$

Sequence: A058481
Score: 16.1791
Type of gen. func.: lgdogf

$$- \frac{9 x^2 + 6 x - 7}{(x - 1) (3 x - 1) (3 x + 1)}$$

Sequence: A058481
Score: 7.21472
Type of gen. func.: ogf

$$(22 f(x) + 27) (3 f(x) x^2 - 4 f(x) x + f(x) - 3 x - 1)$$

Sequence: A058481
Score: 7.65466
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A058482
Score: 10.5636
Type of gen. func.: ogf

$$-\frac{21 x^2 + 14 x + 1}{(x - 1) (3 x - 1) (7 x - 1)}$$

Sequence: A058482
Score: 5.80996
Type of gen. func.: ogf

$$(221 f(x) - 371)$$

$$(21 f(x) x^3 - 31 f(x) x^2 + 11 f(x) x + 21 x^2 - f(x) + 14 x + 1)$$

Sequence: A058482
Score: 5.90843
Type of gen. func.: ogf

$$\{a(n + 3) - 11 a(n + 2) + 31 a(n + 1) - 21 a(n), a(0) = 1, a(1) = 25,$$

$$a(2) = 265\}$$

Sequence: A058482
Score: 9.25699
Type of gen. func.: lgdogf

$$-\frac{441 x^4 + 588 x^3 - 602 x^2 - 20 x + 25}{(x - 1) (3 x - 1) (7 x - 1) (21 x^2 + 14 x + 1)}$$

Sequence: A058484
Score: 17.3967

Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-6x^{4}-6}{-x^{6}+1}$$

Sequence: A058485
Score: 14.8162
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^{4}-4x^{3}-4x-2}{x^{6}-1}$$

Sequence: A058487
Score: 21.2396
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x-2}{x^{3}+1}$$

Sequence: A058492
Score: 13.7115
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3x^{4}-6x^{2}-3}{x^{6}-1}$$

Sequence: A058511
Score: 15.2776
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^{3}-2x^{2}-2x-2}{x^{5}-1}$$

Sequence: A058539
Score: 17.9922
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4 x^{4} - 4}{-x^{6} + 1}$$

Sequence: A058543
Score: 15.1926
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^{4} + 4 x^{2} + 2}{-x^{6} + 1}$$

Sequence: A058562
Score: 40.8781
Type of gen. func.: revegf]

$$-2 x + 3 \ln(x + 1)$$

Sequence: A058574
Score: 7.23667
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{10} - x^{9} - 2 x^{8} - x^{6} - 2 x^{5} - x^{4} - 2 x^{2} - x - 1}{x^{12} - 1}$$

Sequence: A058576
Score: 20.5045
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3 x^{4} - 3}{-x^{6} + 1}$$

Sequence: A058581
Score: 13.0492
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - 51 x^2 - 93 x - 17)}{(x - 1) (x^3 - 35 x^2 - 29 x - 1)}$$

Sequence: A058581
Score: 3.60196
Type of gen. func.: ogf

$$\{(19 n^2 + 98 n + 120) a(n + 1) + (-6 n^2 + 72 n + 180) a(n + 2) + (-13 n^2 - 42 n - 32) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 34\}$$

Sequence: A058581
Score: 7.12645
Type of gen. func.: ogf

$$\frac{x (x^3 - 35 x^2 - 29 x - 1)}{(x - 1)^5}$$

Sequence: A058582
Score: 12.3223
Type of gen. func.: ogf

$$\frac{4 x^2 + 3 x + 1}{(2 x^2 - 1)^2}$$

Sequence: A058582
Score: 14.6391
Type of gen. func.: lgdogf

$$-\frac{16 x^3 + 18 x^2 + 16 x + 3}{(2 x^2 - 1) (4 x^2 + 3 x + 1)}$$

Sequence: A058582
Score: 7.47202
Type of gen. func.: ogf

$$(14 f(x) + 5) (4 f(x) x^4 - 4 f(x) x^2 - 4 x^2 + f(x) - 3 x - 1)$$

Sequence: A058607
Score: 4.34504
Type of gen. func.: ogf

$$\{(16 n^3 + 144 n^2 + 428 n + 420) a(n + 1) + (-8 n^2 - 56 n - 98) a(n + 2)$$
$$+ (n + 4) a(n + 3), a(0) = 1, a(1) = 9, a(2) = 110\}$$

Sequence: A058622
Score: 3.58525
Type of gen. func.: ogf

$$\{(-8 n - 16) a(n + 1) + (4 n + 12) a(n + 2) + (2 n + 6) a(n + 3)$$
$$+ (-n - 4) a(n + 4), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 4\}$$

Sequence: A058622
Score: 6.47977
Type of gen. func.: ogf

$$-8 x^3 f(x)^2 + 4 f(x)^2 x^2 + 2 f(x)^2 x - 4 f(x) x^2 - f(x)^2 + f(x) - x$$

Sequence: A058645
Score: 15.7203
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^2 - 4 x - 5)}{(2 x - 1) (2 x^2 - 2 x - 1)}$$

Sequence: A058645
Score: 3.48955
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 4) + 10 a(n + 3) + (14 + 6 n) a(n + 2) + (-8 - 4 n) a(n + 1),$$
$$a(0) = 0, a(1) = 1, a(2) = 10, a(3) = 54\}$$

Sequence: A058645
Score: 4.43463
Type of gen. func.: ogf

$$-(736 f(x) + 789)$$
$$(16 f(x) x^4 - 32 f(x) x^3 + 24 f(x) x^2 + 2 x^3 - 8 f(x) x - 2 x^2 + f(x) - x)$$

Sequence: A058645
Score: 8.40247
Type of gen. func.: ogf

$$-\frac{x (2 x^2 - 2 x - 1)}{(2 x - 1)^4}$$

Sequence: A058649
Score: 16.1749
Type of gen. func.: lgdogf

$$-\frac{6 (8 x^2 - 8 x - 3)}{(2 x - 1) (8 x^2 - 8 x - 1)}$$

Sequence: A058649
Score: 3.25075
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 4) + (6 - 6 n) a(n + 3) + (72 + 24 n) a(n + 2)$$
$$+ (-48 - 16 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 18, a(3) = 132\}$$

Sequence: A058649

Score: 7.63549
Type of gen. func.: ogf

$$\frac{x (8 x^2 - 8 x - 1)}{(2 x - 1)^5}$$

Sequence: A058667
Score: 10.1887
Type of gen. func.: egf]

$$\frac{x}{(2 x - 1)^4}$$

Sequence: A058667
Score: 4.23849
Type of gen. func.: egf]

$$-(28 f(x) + 9) (16 f(x) x^4 - 32 f(x) x^3 + 24 f(x) x^2 - 8 f(x) x + f(x) - x)$$

Sequence: A058667
Score: 4.68858
Type of gen. func.: ogf

$$\{(-2 n^2 - 12 n - 16) a(n + 1) + (n + 1) a(n + 2), a(0) = 0, a(1) = 1\}$$

Sequence: A058667
Score: 52.1311
Type of gen. func.: lgdegf]

$$- \frac{8}{2 x - 1}$$

Sequence: A058686
Score: 12.3872
Type of gen. func.: ogf_with_Euler_transform]

13 12 10 7 6 3

$$-\frac{-x - x - x - x - x - x - x - 1}{-x^{15} + 1}$$

Sequence: A058764
Score: 10.0555
Type of gen. func.: ogf

$$(f(x) - 2) (2 f(x) x - 2 x^2 - f(x) + 2)$$

Sequence: A058764
Score: 15.4493
Type of gen. func.: lgdogf

$$\frac{2 (x^2 - x + 1)}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A058764
Score: 17.4132
Type of gen. func.: ogf

$$\frac{2 (x - 1) (x + 1)}{2 x - 1}$$

Sequence: A058764
Score: 8.49931
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2), a(0) = 2, a(1) = 4, a(2) = 6\}$$

Sequence: A058794
Score: 17.4455
Type of gen. func.: lgdogf

$$-\frac{x^3 - 5 x^2 + 7 x + 9}{(x - 1) (x^3 - 4 x^2 + 5 x + 1)}$$

Sequence: A058794
Score: 3.91291
Type of gen. func.: ogf

$$\{(-19 n^2 - 173 n - 270) a(n + 1) + (-52 n^2 - 476 n - 960) a(n + 2) + (71 n^2 + 379 n + 498) a(n + 3), a(0) = 2, a(1) = 18, a(2) = 52\}$$

Sequence: A058794
Score: 5.30047
Type of gen. func.: ogf

$$(81 f(x) + 535) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 2 x^3 - 4 f(x) x + 8 x^2 + f(x) - 10 x - 2)$$

Sequence: A058794
Score: 9.58162
Type of gen. func.: ogf

$$\frac{2 (x^3 - 4 x^2 + 5 x + 1)}{(x - 1)^4}$$

Sequence: A058795
Score: 10.7014
Type of gen. func.: lgdogf

$$- \frac{5 x^4 - 32 x^3 + 84 x^2 - 92 x - 85}{(x - 1) (5 x^4 - 26 x^3 + 54 x^2 - 50 x - 7)}$$

Sequence: A058795
Score: 7.34981
Type of gen. func.: ogf

$$\frac{5 x^4 - 26 x^3 + 54 x^2 - 50 x - 7}{5}$$

$$(x - 1)$$

Sequence: A058796
Score: 5.57188
Type of gen. func.: ogf

$$\frac{3 (6 x^5 - 37 x^4 + 96 x^3 - 134 x^2 + 98 x + 11)}{(x - 1)^6}$$

Sequence: A058796
Score: 7.84047
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^5 - 22 x^4 + 70 x^3 - 124 x^2 + 111 x + 82)}{(x - 1) (6 x^5 - 37 x^4 + 96 x^3 - 134 x^2 + 98 x + 11)}$$

Sequence: A058797
Score: 5.44021
Type of gen. func.: ogf

$$\{-a(n + 1) + (n + 2) a(n + 2) - a(n + 3), a(0) = 0, a(1) = 1, a(2) = 1\}$$

Sequence: A058798
Score: 4.86603
Type of gen. func.: ogf

$$\{-a(n + 1) + (n + 3) a(n + 2) - a(n + 3), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A058799
Score: 4.50326
Type of gen. func.: ogf

$$\{a(n + 1) + (-n - 5) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 3, a(2) = 11\}$$

Sequence: A058806
Score: 4.20863

Type of gen. func.: ogf

$$\{(16 n^3 + 112 n^2 + 260 n + 200) a(n + 1) + (-8 n^2 - 44 n - 62) a(n + 2) + (n + 3) a(n + 3), a(0) = 1, a(1) = 5, a(2) = 47\}$$

Sequence: A058809
Score: 17.1711
Type of gen. func.: ogf

$$\frac{6 x^2}{(3 x - 1) (x - 1)}$$

Sequence: A058809
Score: 26.2006
Type of gen. func.: lgdogf

$$- \frac{2 (3 x - 2)}{(3 x - 1) (x - 1)}$$

Sequence: A058809
Score: 6.35330
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 3 a(n + 1), a(0) = 0, a(1) = 0, a(2) = 6\}$$

Sequence: A058809
Score: 8.25102
Type of gen. func.: ogf

$$f(x) (3 f(x) x^2 - 4 f(x) x - 6 x^2 + f(x))$$

Sequence: A058839
Score: 15.0158
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^5 + x^4 + x^2}{-x + 1}$$

Sequence: A058844
Score: 3.61241
Type of gen. func.: ogf

$$\frac{288 x^6 - 1560 x^5 + 3500 x^4 - 4130 x^3 + 2625 x^2 - 840 x + 105}{(4 x - 1) (3 x - 1)^2 (2 x - 1)^3 (x - 1)^4}$$

Sequence: A058877
Score: 11.4296
Type of gen. func.: ogf

$$- \frac{x (3 x - 2)}{(2 x - 1)^2 (x - 1)^2}$$

Sequence: A058877
Score: 19.8810
Type of gen. func.: lgdogf

$$- \frac{18 x^2 - 25 x + 9}{(x - 1) (2 x - 1) (3 x - 2)}$$

Sequence: A058877
Score: 3.82890
Type of gen. func.: ogf

$$\{(2 n + 6) a(n + 4) + (-9 n - 27) a(n + 3) + (38 + 13 n) a(n + 2)$$

$$+ (-18 - 6 n) a(n + 1), a(0) = 0, a(1) = 2, a(2) = 9, a(3) = 28\}$$

Sequence: A058877
Score: 5.75774
Type of gen. func.: ogf

$$-(6 f(x) - 227)$$

$$(4 f(x) x^4 - 12 f(x) x^3 + 13 f(x) x^2 - 6 f(x) x + 3 x^2 + f(x) - 2 x)$$

Sequence: A058887
Score: 11.5797
Type of gen. func.: ogf

$$-\frac{16 x^8 + 12 x^6 + 2 x^3 + 10 x^2 + 4 x + 3}{x - 1}$$

Sequence: A058887
Score: 8.88024
Type of gen. func.: lgdogf

$$\frac{112 x^8 - 128 x^7 + 60 x^6 - 72 x^5 + 4 x^3 + 4 x^2 - 20 x - 7}{(x - 1) (16 x^8 + 12 x^6 + 2 x^3 + 10 x^2 + 4 x + 3)}$$

Sequence: A058895
Score: 24.2916
Type of gen. func.: lgdogf

$$-\frac{3 (x^2 + 6 x + 13)}{(x - 1) (x^2 + 4 x + 7)}$$

Sequence: A058895
Score: 4.19091
Type of gen. func.: ogf

$$\{(-37 n^2 - 648 n - 1148) a(n + 1) + (426 n^2 + 2186 n - 1443) a(n + 2)$$

$$+ (-389 n^2 - 130 n + 259) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 14\}$$

Sequence: A058895
Score: 9.19143
Type of gen. func.: ogf

$$-\frac{2 x^2 (x^2 + 4 x + 7)}{}$$

$$(x - 1)^{5}$$

Sequence: A058896
Score: 12.167
Type of gen. func.: ogf

$$4\ f(x)\ x^{2} - 5\ f(x)\ x + f(x) - 15\ x + 3$$

Sequence: A058896
Score: 14.8494
Type of gen. func.: revogf

$$\frac{-3 + 5\ x + 3^{1/2}\ ((x + 3)\ (3\ x + 1))^{1/2}}{2\ (-15 + 4\ x)}$$

Sequence: A058896
Score: 16.9280
Type of gen. func.: ogf

$$\frac{3\ (5\ x - 1)}{(4\ x - 1)\ (x - 1)}$$

Sequence: A058896
Score: 22.0620
Type of gen. func.: lgdogf

$$- \frac{4\ x\ (-2 + 5\ x)}{(x - 1)\ (4\ x - 1)\ (5\ x - 1)}$$

Sequence: A058896
Score: 9.61341
Type of gen. func.: ogf

$$\{-a(n + 2) + 5\ a(n + 1) - 4\ a(n),\ a(0) = -3,\ a(1) = 0\}$$

Sequence: A058919

Score: 13.0310
Type of gen. func.: lgdogf

$$-\frac{5 x^4 + 20 x^3 + 30 x^2 + 4 x + 1}{(x - 1) (5 x^4 + 10 x^2 - 4 x + 1)}$$

Sequence: A058919
Score: 8.30725
Type of gen. func.: ogf

$$-\frac{5 x^4 + 10 x^2 - 4 x + 1}{(x - 1)^5}$$

Sequence: A058920
Score: 11.2665
Type of gen. func.: lgdogf

$$-\frac{2 (x^4 + 19 x^3 + 60 x^2 + 35 x + 5)}{(x - 1) (2 x^4 + 15 x^3 + 25 x^2 + 5 x + 1)}$$

Sequence: A058920
Score: 7.46163
Type of gen. func.: ogf

$$-\frac{2 x^4 + 15 x^3 + 25 x^2 + 5 x + 1}{(x - 1)^5}$$

Sequence: A058922
Score: 10.8438
Type of gen. func.: ogf

$$-4 f(x) x^2 + 4 f(x) x - f(x) + 4 x$$

Sequence: A058922
Score: 17.2914
Type of gen. func.: ogf

$$\frac{4 x}{(2 x - 1)^2}$$

Sequence: A058922
Score: 29.9898
Type of gen. func.: revogf

$$\frac{x}{(1 + (2 x + 1)^{1/2})^2}$$

Sequence: A058922
Score: 62.9786
Type of gen. func.: lgdogf

$$- \frac{4}{2 x - 1}$$

Sequence: A058922
Score: 7.89854
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 4\}$$

Sequence: A058923
Score: 16.7923
Type of gen. func.: lgdogf

$$- \frac{x^4 + 9 x^2 - 6 x + 1}{(x - 1) (x^4 - 2 x^3 + 5 x^2 - 4 x + 1)}$$

Sequence: A058923
Score: 8.48455
Type of gen. func.: ogf

$$-\frac{x^4 - 2x^3 + 5x^2 - 4x + 1}{(x-1)^5}$$

Sequence: A058937
Score: 15.0487
Type of gen. func.: lgdogf

$$-\frac{x^4 (2x^2 + 2x + 5)}{(x-1)(x^2 + x + 1)(2x^4 - x^3 + x^2 - 2x + 1)}$$

Sequence: A058937
Score: 5.01624
Type of gen. func.: ogf

$\{-a(n) n - 2 a(n + 1) - 2 a(n + 2) + (n - 2) a(n + 3), a(0) = 1, a(1) = 0,$

$a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 1\}$

Sequence: A058937
Score: 9.06159
Type of gen. func.: ogf

$$-\frac{2x^4 - x^3 + x^2 - 2x + 1}{(x^2 + x + 1)(x-1)^3}$$

Sequence: A058961
Score: 2.87385
Type of gen. func.: ogf

$$-(2 f(x) x - f(x) + 1)^3$$

Sequence: A058962
Score: 14.9277
Type of gen. func.: ogf

$$\frac{1 + 4 x}{(4 x - 1)^2}$$

Sequence: A058962
Score: 18.2197
Type of gen. func.: revogf

$$-\frac{-1 - 8 x + (1 + 32 x)^{1/2}}{8 (4 x - 1)}$$

Sequence: A058962
Score: 25.9281
Type of gen. func.: lgdogf

$$-\frac{4 (3 + 4 x)}{(4 x - 1) (1 + 4 x)}$$

Sequence: A058962
Score: 7.8031
Type of gen. func.: ogf

$$(16 f(x) + 65) (16 f(x) x^2 - 8 f(x) x + f(x) - 4 x - 1)$$

Sequence: A058962
Score: 8.17467
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 16 a(n), a(0) = 1, a(1) = 12\}$$

Sequence: A058966
Score: 11.6379
Type of gen. func.: lgdogf

$$-\frac{2 (8 x^3 - 10 x^2 + 2 x + 1)}{(x - 1) (2 x - 1) (8 x^3 - 8 x^2 + 3 x - 1)}$$

Sequence: A058966
Score: 5.05095
Type of gen. func.: ogf

$$\{-a(n + 4) + 5 a(n + 3) - 8 a(n + 2) + 4 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 10, a(3) = 30\}$$

Sequence: A058966
Score: 5.41461
Type of gen. func.: ogf

$$-(f(x) + 139) (4 f(x) x^{3} - 8 f(x) x^{2} - 8 x^{3} + 5 f(x) x + 8 x^{2} - f(x) - 3 x + 1)$$

Sequence: A058966
Score: 9.80909
Type of gen. func.: ogf

$$\frac{8 x^{3} - 8 x^{2} + 3 x - 1}{(x - 1) (2 x - 1)^{2}}$$

Sequence: A058967
Score: 5.76436
Type of gen. func.: ogf

$$\frac{120 x^{8} - 184 x^{7} + 62 x^{6} + 8 x^{4} - 16 x^{3} + 11 x^{2} - 4 x + 1}{(2 x - 1)^{2} (x - 1)^{2}}$$

Sequence: A058968
Score: 10.9851
Type of gen. func.: ogf

$$\frac{8 x^{2} - 8 x - 1}{(2 x - 1) (x - 1)^{2}}$$

Sequence: A058968
Score: 13.1325
Type of gen. func.: lgdogf

$$-\frac{2\,(8\,x^{3}-8\,x^{2}-7\,x+6)}{(x-1)\,(2\,x-1)\,(8\,x^{2}-8\,x-1)}$$

Sequence: A058968
Score: 5.5841
Type of gen. func.: ogf

$(12097\,f(x)-517956)$

$$(2\,f(x)\,x^{3}-5\,f(x)\,x^{2}+4\,f(x)\,x-8\,x^{2}-f(x)+8\,x+1)$$

Sequence: A058968
Score: 5.87801
Type of gen. func.: ogf

$\{a(n+3)-4\,a(n+2)+5\,a(n+1)-2\,a(n),\ a(0)=1,\ a(1)=12,\ a(2)=35\}$

Sequence: A058985
Score: 5.90683
Type of gen. func.: ogf

$$-\frac{74\,x^{5}+8\,x^{4}-92\,x^{3}+66\,x^{2}-3\,x-6}{(x-1)^{6}}$$

Sequence: A058985
Score: 9.10279
Type of gen. func.: lgdogf

$$-\frac{74\,x^{5}+386\,x^{4}-244\,x^{3}-12\,x^{2}+117\,x-39}{(x-1)\,(74\,x^{5}+8\,x^{4}-92\,x^{3}+66\,x^{2}-3\,x-6)}$$

Sequence: A058992
Score: 12.8605
Type of gen. func.: ogf

$$\frac{x\,(x^3 - x^2 + x + 1)}{(x - 1)^2}$$

Sequence: A058992
Score: 24.9533
Type of gen. func.: lgdogf

$$\frac{(x - 3)\,(x^2 + 1)}{(x - 1)\,(x^3 - x^2 + x + 1)}$$

Sequence: A058992
Score: 6.68748
Type of gen. func.: ogf

{a(n + 5) - 2 a(n + 4) + a(n + 3), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 4,

a(4) = 6}

Sequence: A058992
Score: 7.96129
Type of gen. func.: ogf

$$(2 f(x) + 3)\,(-x^4 + f(x)\,x^2 + x^3 - 2 f(x)\,x - x^2 + f(x) - x)$$

Sequence: A059019
Score: 6.38927
Type of gen. func.: ogf

$$x^3 f(x)^2 + 2 f(x)^2 x^2 - 3 f(x)^2 x + f(x)^2 + 3 f(x)\,x - 2 f(x) + 1$$

Sequence: A059019
Score: 7.76251
Type of gen. func.: lgdogf

$$\frac{-3 + 16 x - 12 x^3 - 13 x^2 + (-(4 x - 1) (3 x^2 - 6 x + 1)^2)^{1/2}}{2 (4 x - 1) (x^3 + 2 x^2 - 3 x + 1)}$$

Sequence: A059020
Score: 11.8673
Type of gen. func.: ogf

$$- \frac{x (x + 3)}{(x^2 + 2 x - 1) (x - 1)^2}$$

Sequence: A059020
Score: 13.6008
Type of gen. func.: lgdogf

$$- \frac{3 x^3 + 15 x^2 + 11 x - 13}{(x - 1) (x + 3) (x^2 + 2 x - 1)}$$

Sequence: A059020
Score: 3.34870
Type of gen. func.: ogf

$$\{(4 n + 15) a(n + 1) + (4 n + 19) a(n + 2) + (-12 n - 37) a(n + 3) + (4 n + 11) a(n + 4), a(0) = 0, a(1) = 3, a(2) = 13, a(3) = 40\}$$

Sequence: A059020
Score: 6.03962
Type of gen. func.: ogf

$$(2128 f(x) + 339) (f(x) x^4 - 4 f(x) x^2 + 4 f(x) x + x^2 - f(x) + 3 x)$$

Sequence: A059021
Score: 4.19467
Type of gen. func.: ogf

$$-\frac{2 x (x^5 - 4 x^4 - 3 x^3 + 7 x^2 - 7 x + 3)}{(x^6 - 7 x^5 + x^4 + 6 x^3 - 11 x^2 + 7 x - 1) (x - 1)^2}$$

Sequence: A059027
Score: 4.24099
Type of gen. func.: ogf

$$x^3 f(x)^2 + 6 f(x)^2 x^2 - 2 f(x) x^3 - 5 f(x)^2 x - 7 f(x) x^2 + x^3 + f(x)^2$$
$$+ 8 f(x) x + 2 x^2 - 2 f(x) - 3 x + 1$$

Sequence: A059029
Score: 14.3878
Type of gen. func.: ogf

$$\frac{x (x^2 + 2 x + 3)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A059029
Score: 19.6591
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 + 3 x^2 + 7 x + 1)}{(x - 1) (x + 1) (x^2 + 2 x + 3)}$$

Sequence: A059029
Score: 8.27979
Type of gen. func.: ogf

$$-(516 f(x) - 1427) (f(x) x^4 - 2 f(x) x^2 - x^3 - 2 x^2 + f(x) - 3 x)$$

Sequence: A059030
Score: 12.3506
Type of gen. func.: lgdogf

$$-\frac{3x^5+4x^4+15x^3+15x^2+2x+3}{(x-1)(x^2+x+1)(x^3+x^2+3x+2)}$$

Sequence: A059030
Score: 12.7966
Type of gen. func.: ogf

$$\frac{2(x^3+x^2+3x+2)}{(x-1)^2(x^2+x+1)^2}$$

Sequence: A059031
Score: 7.09018
Type of gen. func.: lgdogf

$$-\frac{2x^9-3x^8-12x^7-10x^6-48x^5-26x^4-52x^3-6x^2-18x-3}{(x-1)(x+1)(x^2+1)(x^6-x^5-3x^4-2x^3-9x^2-3x-5)}$$

Sequence: A059031
Score: 9.50909
Type of gen. func.: ogf

$$-\frac{x^6-x^5-3x^4-2x^3-9x^2-3x-5}{(x-1)^2(x+1)^2(x^2+1)^2}$$

Sequence: A059100
Score: 13.3393
Type of gen. func.: ogf

$$-\frac{3x^2-3x+2}{(x-1)^3}$$

Sequence: A059100
Score: 26.6017
Type of gen. func.: lgdogf

$$-\frac{3(x^2+1)}{(x-1)(3x^2-3x+2)}$$

Sequence: A059100
Score: 6.83782
Type of gen. func.: ogf

$$-(124 f(x) - 113) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) - 3 x + 2)$$

Sequence: A059100
Score: 7.26518
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2, a(1) = 3, a(2) = 6}

Sequence: A059108
Score: 5.27334
Type of gen. func.: ogf

$$-(f(x) - x - 1)^3$$

Sequence: A059115
Score: 21.4369
Type of gen. func.: lgdegf]

$$\frac{3x-2}{(2x-1)(x-1)^2}$$

Sequence: A059115
Score: 3.04073
Type of gen. func.: egf]

{(n + 3) a(n + 3) + (-10 - 4 n) a(n + 2) + (8 + 5 n) a(n + 1) - 2 a(n) n,

$a(0) = 1, a(1) = 2, a(2) = 9/2\}$

Sequence: A059116
Score: 10.0784
Type of gen. func.: lgdogf

$$-\frac{324 x^3 - 189 x^2 - 54 x + 19}{(x - 1) (6 x - 1) (3 x - 1) (9 x + 1)}$$

Sequence: A059116
Score: 4.37509
Type of gen. func.: ogf

$\{a(n + 4) - 10 a(n + 3) + 27 a(n + 2) - 18 a(n + 1), a(0) = 0, a(1) = 0,$

$a(2) = 6, a(3) = 114\}$

Sequence: A059116
Score: 5.32106
Type of gen. func.: ogf

$$-f(x) (18 f(x) x^3 - 27 f(x) x^2 + 54 x^3 + 10 f(x) x + 6 x^2 - f(x))$$

Sequence: A059116
Score: 9.08672
Type of gen. func.: ogf

$$-\frac{6 x^2 (9 x + 1)}{(x - 1) (6 x - 1) (3 x - 1)}$$

Sequence: A059133
Score: 3.88325
Type of gen. func.: ogf

$$-\frac{2 (x + 2)}{(2 x - 1) (x - 1)^2}$$

Sequence: A059133
Score: 5.26972
Type of gen. func.: lgdogf

$$-\frac{4 x^2 + 11 x - 9}{(x - 1) (2 x - 1) (x + 2)}$$

Sequence: A059133
Score: 8.00102
Type of gen. func.: ogf

$$(15681 f(x) - 52696) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x - f(x) + 2 x + 4)$$

Sequence: A059135
Score: 4.08669
Type of gen. func.: ogf

$$-\frac{10 x + 11}{(2 x - 1) (x - 1)^2}$$

Sequence: A059135
Score: 6.57565
Type of gen. func.: ogf

$$(29439921 f(x) - 313789676)$$
$$(2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x - f(x) + 10 x + 11)$$

Sequence: A059138
Score: 4.23440
Type of gen. func.: ogf

$$-\frac{18 (x + 1)}{(2 x - 1) (x - 1)^2}$$

Sequence: A059138

Score: 6.16834
Type of gen. func.: lgdogf

$$-\frac{4 x^{2} + 5 x - 5}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A059138
Score: 6.73459
Type of gen. func.: ogf

$$(3971 f(x) - 170028) (2 f(x) x^{3} - 5 f(x) x^{2} + 4 f(x) x - f(x) + 18 x + 18)$$

Sequence: A059140
Score: 3.72996
Type of gen. func.: ogf

$$\frac{-4 + x}{(2 x - 1) (x - 1)^{2}}$$

Sequence: A059140
Score: 6.96163
Type of gen. func.: ogf

$$(8013 f(x) - 23852) (2 f(x) x^{3} - 5 f(x) x^{2} + 4 f(x) x - f(x) - x + 4)$$

Sequence: A059142
Score: 4.01193
Type of gen. func.: ogf

$$\frac{4 x - 11}{(2 x - 1) (x - 1)^{2}}$$

Sequence: A059142
Score: 6.65452
Type of gen. func.: ogf

3 2

$$(312557 f(x) - 2691652) (2 f(x) x - 5 f(x) x + 4 f(x) x - f(x) - 4 x + 11)$$

Sequence: A059145
Score: 4.06207
Type of gen. func.: ogf

$$\frac{3 (2 x - 5)}{(2 x - 1) (x - 1)^2}$$

Sequence: A059145
Score: 5.21300
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^2 - 16 x + 9)}{(2 x - 5) (x - 1) (2 x - 1)}$$

Sequence: A059145
Score: 6.89269
Type of gen. func.: ogf

$$(19483 f(x) - 234740) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x - f(x) - 6 x + 15)$$

Sequence: A059153
Score: 20.7508
Type of gen. func.: revogf

$$-\frac{-2 - 3 x + (x^2 + 12 x + 4)^{1/2}}{8 x}$$

Sequence: A059153
Score: 21.7648
Type of gen. func.: ogf

$$\frac{4}{(4 x - 1) (2 x - 1)}$$

Sequence: A059153
Score: 25.1974
Type of gen. func.: lgdogf

$$-\frac{2\,(-3 + 8\,x)}{(4\,x - 1)\,(2\,x - 1)}$$

Sequence: A059153
Score: 8.55048
Type of gen. func.: ogf

$$(31\,f(x) + 200)\,(8\,f(x)\,x^{2} - 6\,f(x)\,x + f(x) - 4)$$

Sequence: A059153
Score: 8.65348
Type of gen. func.: ogf

$$\{-a(n + 2) + 6\,a(n + 1) - 8\,a(n),\ a(0) = 4,\ a(1) = 24\}$$

Sequence: A059155
Score: 12.4825
Type of gen. func.: revogf

$$-\frac{-12 - 10\,x + (3\,x + 2)^{1/2}\,(6 + x)^{1/2}\,2^{1/2}\,6^{1/2}}{32\,x}$$

Sequence: A059155
Score: 21.1425
Type of gen. func.: ogf

$$\frac{12}{(8\,x - 1)\,(2\,x - 1)}$$

Sequence: A059155
Score: 25.8259
Type of gen. func.: lgdogf

$$2\,(-5 + 16\,x)$$

$$- \frac{}{(8 x - 1) (2 x - 1)}$$

Sequence: A059155
Score: 8.74862
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 16 a(n), a(0) = 12, a(1) = 120\}$$

Sequence: A059155
Score: 8.85036
Type of gen. func.: ogf

$$(17 f(x) + 96) (16 f(x) x^2 - 10 f(x) x + f(x) - 12)$$

Sequence: A059158
Score: 10.9612
Type of gen. func.: revogf

$$- \frac{-12 - 9 x + (49 x^2 + 216 x + 144)^{1/2}}{32 x}$$

Sequence: A059158
Score: 13.0889
Type of gen. func.: ogf

$$\frac{24}{(16 x - 1) (2 x - 1)}$$

Sequence: A059158
Score: 15.3456
Type of gen. func.: lgdogf

$$- \frac{2 (-9 + 32 x)}{(16 x - 1) (2 x - 1)}$$

Sequence: A059158

Score: 5.41610
Type of gen. func.: ogf

$$\{-a(n+2) + 18\, a(n+1) - 32\, a(n),\ a(0) = 24,\ a(1) = 432\}$$

Sequence: A059158
Score: 7.62296
Type of gen. func.: ogf

$$(4681 f(x) + 45120)(32 f(x) x^2 - 18 f(x) x + f(x) - 24)$$

Sequence: A059160
Score: 10.7708
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{5 x^4 + 5 x + 5}{-x^5 - x^4 - x^3 - x^2 - x - 1}$$

Sequence: A059162
Score: 13.0202
Type of gen. func.: ogf

$$-4 f(x) x^2 + 4 f(x) x - f(x) + 12$$

Sequence: A059162
Score: 22.2060
Type of gen. func.: lgdogf

$$-\frac{4}{2 x - 1}$$

Sequence: A059162
Score: 22.9769
Type of gen. func.: ogf

$$\frac{12}{(2 x - 1)^2}$$

Sequence: A059162
Score: 9.30017
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 4 a(n), a(0) = 12, a(1) = 48\}$$

Sequence: A059162
Score: 9.65479
Type of gen. func.: revogf

$$\frac{3 x}{(3 + (9 + 6 x)^{1/2})^{2}}$$

Sequence: A059165
Score: 10.8763
Type of gen. func.: ogf

$$-4 f(x) x^{2} + 4 f(x) x - f(x) + 16 x$$

Sequence: A059165
Score: 17.1731
Type of gen. func.: ogf

$$\frac{16 x}{(2 x - 1)^{2}}$$

Sequence: A059165
Score: 30.6042
Type of gen. func.: revogf

$$\frac{x}{(2 + (2 x + 4)^{1/2})^{2}}$$

Sequence: A059165

Score: 64.2689
Type of gen. func.: lgdogf

$$-\frac{4}{2x-1}$$

Sequence: A059165
Score: 7.95824
Type of gen. func.: ogf

$$\{a(n+2) - 4\,a(n+1) + 4\,a(n),\ a(0) = 0,\ a(1) = 16\}$$

Sequence: A059169
Score: 13.2202
Type of gen. func.: ogf

$$\frac{x^2\,(x^2 - x + 1)}{(x^2 + 1)\,(x + 1)\,(x - 1)^2}$$

Sequence: A059169
Score: 16.2104
Type of gen. func.: lgdogf

$$-\frac{x\,(3\,x^4 - 3\,x^3 + 5\,x^2 + x + 2)}{(x - 1)\,(x + 1)\,(x^2 + 1)\,(x^2 - x + 1)}$$

Sequence: A059169
Score: 24.5852
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^3 + x^2 + x$$

Sequence: A059169
Score: 7.66547
Type of gen. func.: ogf

5 4 4 3 2

$$(2 f(x) + 3) (f(x) x - f(x) x - x + x - f(x) x - x + f(x))$$

Sequence: A059171
Score: 3.50303
Type of gen. func.: ogf

$$\{(3 n^3 + 3 n^2 - 6 n) a(n) + (n^3 + 2 n^2 + 7 n + 6) a(n + 1) + (-n^2 - 3 n - 2) a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A059173
Score: 12.6916
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^4 + 3 x^2 - 2 x + 1)}{(x - 1) (x^5 + x^4 - 2 x^3 + 4 x^2 - 3 x + 1)}$$

Sequence: A059173
Score: 7.04257
Type of gen. func.: ogf

$$- \frac{x^5 + x^4 - 2 x^3 + 4 x^2 - 3 x + 1}{(x - 1)^5}$$

Sequence: A059174
Score: 10.0074
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^5 + 3 x^4 - 3 x^3 + 5 x^2 - 3 x + 1)}{(x - 1) (x^6 + 3 x^4 - 6 x^3 + 7 x^2 - 4 x + 1)}$$

Sequence: A059174
Score: 6.38359
Type of gen. func.: ogf

$$\frac{x^{6} + 3 x^{4} - 6 x^{3} + 7 x^{2} - 4 x + 1}{(x - 1)^{6}}$$

Sequence: A059193
Score: 12.0526
Type of gen. func.: ogf

$$\frac{3 x^{3} - 7 x^{2} - x - 3}{(x - 1)^{3}}$$

Sequence: A059193
Score: 20.9290
Type of gen. func.: lgdogf

$$- \frac{2 (x^{2} - 8 x - 5)}{(x - 1) (3 x^{3} - 7 x^{2} - x - 3)}$$

Sequence: A059193
Score: 6.16024
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 3, a(1) = 10, a(2) = 28, a(3) = 54\}$$

Sequence: A059193
Score: 6.70671
Type of gen. func.: ogf

$$(232 f(x) - 2343) (f(x) x^{3} - 3 f(x) x^{2} - 3 x^{3} + 3 f(x) x + 7 x^{2} - f(x) + x + 3)$$

Sequence: A059204
Score: 4.46279
Type of gen. func.: ogf

$${}^{2} \qquad\qquad {}^{2}$$

$$\{(-2 n - 2 n) a(n) + (n + 3 n - 2) a(n + 1) + (1 - n) a(n + 2), a(0) = 0,$$

$$a(1) = 0, a(2) = 0, a(3) = 2\}$$

Sequence: A059222
Score: 10.4266
Type of gen. func.: ogf

$$-4 f(x) x^{4} + 5 f(x) x^{2} - 4 x^{3} - x^{2} - f(x) + x + 1$$

Sequence: A059222
Score: 12.6724
Type of gen. func.: ogf

$$- \frac{4 x^{3} + x^{2} - x - 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A059222
Score: 9.51362
Type of gen. func.: lgdogf

$$- \frac{16 x^{6} + 8 x^{5} + 8 x^{4} - 16 x^{3} - 7 x^{2} + 8 x + 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1) (4 x^{3} + x^{2} - x - 1)}$$

Sequence: A059224
Score: 15.0738
Type of gen. func.: lgdogf

$$- \frac{20 x^{2} - 56 x + 35}{(x - 1) (10 x - 9) (2 x - 1)}$$

Sequence: A059224
Score: 5.17131
Type of gen. func.: ogf

$$(2384 f(x) - 61875)$$

3 2 2

```
    (8 f(x) x  - 12 f(x) x  + 6 f(x) x + 20 x  - f(x) - 38 x + 18)



------------------------------------------------------------------------------

Sequence:  A059224
Score: 5.39231
Type of gen. func.: ogf


{a(n + 3) - 6 a(n + 2) + 12 a(n + 1) - 8 a(n), a(0) = 18, a(1) = 70, a(2) = 224

    }



------------------------------------------------------------------------------

Sequence:  A059224
Score: 9.70615
Type of gen. func.: ogf


                               2 (10 x - 9) (x - 1)
                             - --------------------
                                             3
                                    (2 x - 1)



------------------------------------------------------------------------------

Sequence:  A059227
Score: 6.06204
Type of gen. func.: ogf


              2           2       2               2
          f(x)  x + f(x) x  - f(x)  - 5 f(x) x - x  + 3 f(x) + 3 x - 2



------------------------------------------------------------------------------

Sequence:  A059228
Score: 4.90383
Type of gen. func.: ogf


    2  2         3         2             2    3                2
f(x)  x  - f(x) x  - 2 f(x)  x + 2 f(x) x  + x  - 2 f(x) x - 3 x  + f(x) + 3 x

     - 1



------------------------------------------------------------------------------

Sequence:  A059229
Score: 4.3149
Type of gen. func.: ogf


 3     2         2  2           3       2             2                 2
x  f(x)  - 2 f(x)  x  + 2 f(x) x  + f(x)  x - 9 f(x) x  + 7 f(x) x - 2 x

     - f(x) + 2 x
```

Sequence: A059231
Score: 10.9267
Type of gen. func.: lgdogf

$$-\frac{1 - 3 x + (-1 + 9 x)^{1/2} (x - 1)^{1/2}}{2 (-1 + 9 x)^{1/2} (x - 1)^{1/2} x}$$

Sequence: A059231
Score: 12.4357
Type of gen. func.: ogf

$$-4 f(x)^2 x + 3 f(x) x + f(x) - 1$$

Sequence: A059231
Score: 3.42853
Type of gen. func.: ogf

$$\{(27 n^2 + 27 n) a(n) + (-39 n^2 - 111 n - 72) a(n + 1) + (13 n^2 + 67 n + 84) a(n + 2) + (-n^2 - 7 n - 12) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 5\}$$

Sequence: A059231
Score: 37.9559
Type of gen. func.: revogf

$$\frac{x (4 x - 1)}{3 x - 1}$$

Sequence: A059255
Score: 14.0540
Type of gen. func.: lgdogf

$$-\frac{15 x^3 + 187 x^2 + 301 x + 73}{(x - 1) (x + 1) (5 x^2 + 38 x + 5)}$$

Sequence: A059255
Score: 4.01631
Type of gen. func.: ogf

$$\{(-14 n^2 - 83 n - 123) a(n + 1) + (28 n^2 + 140 n + 331) a(n + 2) + (-14 n^2 - 57 n - 58) a(n + 3), a(0) = 0, a(1) = 25, a(2) = 365\}$$

Sequence: A059255
Score: 7.12326
Type of gen. func.: ogf

$$\frac{5 x (x + 1) (5 x^2 + 38 x + 5)}{(x - 1)^6}$$

Sequence: A059270
Score: 11.5207
Type of gen. func.: ogf

$$\frac{3 x (x + 1)}{(x - 1)^4}$$

Sequence: A059270
Score: 35.4144
Type of gen. func.: ogf_with_Euler_transform]

[5 - x]

Sequence: A059270
Score: 36.8888
Type of gen. func.: lgdogf

$$-\frac{3 x + 5}{(x - 1) (x + 1)}$$

Sequence: A059270
Score: 5.58838
Type of gen. func.: ogf

$$\{(n + 2) a(n + 3) - 5 a(n + 2) + (-n - 3) a(n + 1), a(0) = 0, a(1) = 3, a(2) = 15\}$$

Sequence: A059270
Score: 5.71636
Type of gen. func.: ogf

$$(2144 f(x) + 5379) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 3 x^2 + f(x) - 3 x)$$

Sequence: A059271
Score: 4.0941
Type of gen. func.: ogf

$$-2 f(x)^2 x^2 - f(x) x^3 + x^4 + 4 f(x)^2 x + 9 f(x) x^2 - 4 x^3 - 2 f(x)^2 - 9 f(x) x + 5 x^2 + 2 f(x) - 2 x$$

Sequence: A059272
Score: 12.0289
Type of gen. func.: revogf

$$\frac{2 x^2 - x - 1 + ((x - 1) (4 x^3 - 8 x^2 + x - 1))^{1/2}}{2 (x - 1)}$$

Sequence: A059272
Score: 6.77773
Type of gen. func.: ogf

$$2 f(x)^2 x - f(x) x^2 - 2 f(x)^2 - f(x) x + x^2 + f(x) - x$$

Sequence: A059275
Score: 6.21181
Type of gen. func.: ogf

$$-f(x)\,x^3 + 6\,f(x)\,x^2 - f(x)^2 - 12\,f(x)\,x - 2\,x^2 + 5\,f(x) + 6\,x - 4$$

Sequence: A059278
Score: 13.0612
Type of gen. func.: revogf

$$1/4 + x/2 - \frac{x^2}{4} - \frac{(x^4 - 4\,x^3 + 10\,x^2 - 4\,x + 1)^{1/2}}{4}$$

Sequence: A059278
Score: 8.54393
Type of gen. func.: ogf

$$-f(x)^2\,x^2 + f(x)^2\,x + 2\,f(x)\,x - f(x) - 2\,x + 1$$

Sequence: A059279
Score: 16.8010
Type of gen. func.: revogf

$$1/2 + x - x^2 - \frac{(4\,x^4 - 8\,x^3 + 4\,x^2 + 1)^{1/2}}{2}$$

Sequence: A059279
Score: 3.49112
Type of gen. func.: ogf

$$\{(8\,n + 12)\,a(n + 1) + (-16\,n - 44)\,a(n + 2) + (8\,n + 30)\,a(n + 3)$$

$$+ (-n - 5)\,a(n + 4),\ a(0) = 1,\ a(1) = 2,\ a(2) = 6,\ a(3) = 20\}$$

Sequence: A059279
Score: 8.66315
Type of gen. func.: ogf

$$2\,f(x)^2\,x^2 - f(x)^2\,x - 2\,f(x)\,x + f(x) + x - 1$$

Sequence: A059280
Score: 14.6486
Type of gen. func.: lgdegf]

$$(-2 x^2 + 2 x - 1) f(x) + (4 x^2 - 4 x + 1) f(x)^2$$

Sequence: A059280
Score: 2.95901
Type of gen. func.: ogf

$$\{(2 n^2 + 10 n + 12) a(n + 1) + (-4 n^2 - 22 n - 30) a(n + 2) + (4 n + 13) a(n + 3) - a(n + 4), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 19\}$$

Sequence: A059281
Score: 16.4729
Type of gen. func.: lgdegf]

$$\frac{2 x^3 - 4 x^2 + 5 x - 2}{(x - 1) (2 x - 1)^2}$$

Sequence: A059284
Score: 10.6717
Type of gen. func.: lgdogf

$$- \frac{-1 + 6 x + 3 x^2 + 2 (-3 x^2 - 6 x + 1)^{1/2}}{(x + 1) (3 x^2 + 6 x - 1)}$$

Sequence: A059284
Score: 20.9753
Type of gen. func.: revogf

$$\frac{(2 - x + (1 - 4 x)^{1/2}) x}{x^2 + 3}$$

Sequence: A059284
Score: 8.50449
Type of gen. func.: ogf

$$-f(x)^2 x^2 - 2 f(x)^2 x - f(x)^2 + 4 f(x) - 3$$

Sequence: A059293
Score: 6.48141
Type of gen. func.: ogf

$$-\frac{3 x^7 - x^6 + x^5 + x^4 + x^3 + x^2 - 2 x + 1}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^3}$$

Sequence: A059302
Score: 13.2713
Type of gen. func.: ogf

$$-\frac{4 x - 1}{(x - 1)^5}$$

Sequence: A059302
Score: 37.3878
Type of gen. func.: lgdogf

$$-\frac{16 x - 1}{(4 x - 1) (x - 1)}$$

Sequence: A059302
Score: 6.19910
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-11 - 5 n) a(n + 2) + (20 + 4 n) a(n + 1), a(0) = -1, a(1) = -1, a(2) = 5\}$$

Sequence: A059304

Score: 12.7818
Type of gen. func.: ogf

$$-8 f(x)^2 x + f(x)^2 - 1$$

Sequence: A059304
Score: 22.5279
Type of gen. func.: revogf

$$(-4 x + (16 x^2 + 1)^{1/2}) x$$

Sequence: A059304
Score: 5.47790
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (8 n + 12) a(n + 1), a(0) = 1, a(1) = 4\}$$

Sequence: A059304
Score: 51.1997
Type of gen. func.: lgdogf

$$- \frac{4}{8 x - 1}$$

Sequence: A059329
Score: 19.4189
Type of gen. func.: lgdogf

$$- \frac{2 (x^3 + x^2 + 5 x + 1)}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A059329
Score: 25.8096
Type of gen. func.: ogf_with_Euler_transform]

$$[-2 x^3 + 4 x + 2]$$

Sequence: A059329
Score: 8.46128
Type of gen. func.: ogf

$$\frac{(x^2 + 1)^2}{(x + 1)^2 (x - 1)^4}$$

Sequence: A059338
Score: 5.30674
Type of gen. func.: ogf

$$\frac{16 x^4 - 32 x^3 - 6 x^2 + 22 x + 1}{(2 x - 1)^6}$$

Sequence: A059338
Score: 8.27180
Type of gen. func.: lgdogf

$$- \frac{2 (32 x^4 - 64 x^3 - 72 x^2 + 104 x + 17)}{(2 x - 1) (16 x^4 - 32 x^3 - 6 x^2 + 22 x + 1)}$$

Sequence: A059345
Score: 15.0995
Type of gen. func.: lgdogf

$$- \frac{2 x^3 + 3 x^2 - 5 x - 1}{(x^2 + 3 x - 1) (x^2 - x - 1)}$$

Sequence: A059345
Score: 6.69155
Type of gen. func.: ogf

$$-f(x)^2 x^4 - 2 x^3 f(x)^2 + 5 f(x)^2 x^2 + 2 f(x)^2 x - f(x)^2 + 1$$

Sequence: A059348
Score: 6.64551
Type of gen. func.: ogf

$$-f(x)^2 x^4 - 4 f(x) x^3 - f(x) x^2 + 2 f(x) x - 5 x^2 + f(x) - 6 x - 2$$

Sequence: A059371
Score: 4.61927
Type of gen. func.: ogf

$$\{(-n^2 - 9 n - 20) a(n + 1) + (3 n + 14) a(n + 2) - 2 a(n + 3), a(0) = 1, a(1) = 4, a(2) = 16\}$$

Sequence: A059387
Score: 4.3368
Type of gen. func.: ogf

$$(23250 f(x) - 249107) (36 f(x) x^4 - 72 f(x) x^3 + 47 f(x) x^2 + 12 x^3 - 12 f(x) x + f(x) - 2 x)$$

Sequence: A059387
Score: 7.15279
Type of gen. func.: lgdogf

$$-\frac{2 (216 x^5 - 216 x^4 - 72 x^3 + 144 x^2 - 53 x + 6)}{(x - 1) (6 x - 1) (3 x - 1) (2 x - 1) (6 x^2 - 1)}$$

Sequence: A059387
Score: 8.61164
Type of gen. func.: ogf

$$-\frac{2 x (6 x^2 - 1)}{(x - 1) (6 x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A059398
Score: 5.73771
Type of gen. func.: ogf

$$x^3 f(x)^2 + 3 f(x)^2 x^2 - f(x)^2 x + f(x) x^2 + 3 f(x) x - f(x) + 1$$

Sequence: A059403
Score: 6.12679
Type of gen. func.: ogf

$$-\frac{x^3 (x^4 + 2 x^3 + 2 x + 1)}{(x^2 + 1) (x + 1)^3 (x - 1)^5}$$

Sequence: A059403
Score: 8.82978
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^7 + 8 x^6 + 5 x^5 + 16 x^4 + 11 x^3 + 10 x^2 + 5 x + 2)}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 2 x^3 + 2 x + 1)}$$

Sequence: A059409
Score: 10.0185
Type of gen. func.: ogf

$$-32 f(x) x^2 + 12 f(x) x - f(x) + 4 x$$

Sequence: A059409
Score: 15.6700
Type of gen. func.: ogf

$$\frac{4 x}{(8 x - 1) (4 x - 1)}$$

Sequence: A059409
Score: 17.7101

Type of gen. func.: revogf

$$-\frac{-1 - 3 x + (x^2 + 6 x + 1)^{1/2}}{16 x}$$

Sequence: A059409
Score: 21.5051
Type of gen. func.: lgdogf

$$-\frac{4 (16 x - 3)}{(8 x - 1) (4 x - 1)}$$

Sequence: A059409
Score: 7.36300
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 32 a(n), a(0) = 0, a(1) = 4\}$$

Sequence: A059410
Score: 11.679
Type of gen. func.: ogf

$$-27 f(x) x^2 + 12 f(x) x - f(x) + 6 x$$

Sequence: A059410
Score: 18.2671
Type of gen. func.: ogf

$$\frac{6 x}{(-1 + 9 x) (3 x - 1)}$$

Sequence: A059410
Score: 19.0637
Type of gen. func.: revogf

$$-\frac{-1 - 2 x + (x^2 + 4 x + 1)^{1/2}}{9 x}$$

Sequence: A059410
Score: 23.3001
Type of gen. func.: lgdogf

$$-\frac{6 (9 x - 2)}{(-1 + 9 x) (3 x - 1)}$$

Sequence: A059410
Score: 8.58335
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 27 a(n), a(0) = 0, a(1) = 6\}$$

Sequence: A059421
Score: 27.4906
Type of gen. func.: lgdogf

$$-\frac{17 + 18 x}{(3 x + 2) (x - 1)}$$

Sequence: A059421
Score: 4.28729
Type of gen. func.: ogf

$$\{(-2 n - 6) a(n + 3) + (15 - n) a(n + 2) + (21 + 3 n) a(n + 1), a(0) = 16,$$
$$a(1) = 136, a(2) = 616\}$$

Sequence: A059421
Score: 7.39675
Type of gen. func.: ogf

$$-\frac{8 (3 x + 2)}{(x - 1)^7}$$

Sequence: A059422
Score: 36.6312
Type of gen. func.: lgdegf]

$$-\frac{x^2 - 2}{2 (x + 1)}$$

Sequence: A059422
Score: 4.38280
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) + (2 n + 4) a(n + 3) + 2 a(n + 4), a(0) = 1, a(1) = 1, a(2) = 0, a(3) = -1\}$$

Sequence: A059435
Score: 10.0027
Type of gen. func.: ogf

$$-4 f(x)^2 x + 2 f(x) x + f(x) - 1$$

Sequence: A059435
Score: 10.1434
Type of gen. func.: lgdogf

$$-\frac{-1 + 2 x + (4 x^2 - 12 x + 1)^{1/2}}{2 (4 x^2 - 12 x + 1)^{1/2} x}$$

Sequence: A059435
Score: 30.4303
Type of gen. func.: revogf

$$\frac{x (4 x - 1)}{2 x - 1}$$

Sequence: A059480
Score: 5.40117
Type of gen. func.: ogf

$$\{(n + 4) a(n + 1) - a(n + 3) + a(n + 2), a(0) = 1, a(1) = 1, a(2) = 4\}$$

Sequence: A059482
Score: 12.1536
Type of gen. func.: ogf

$$-\frac{2x-1}{(10x-1)(x-1)}$$

Sequence: A059482
Score: 12.7146
Type of gen. func.: revogf

$$-\frac{-1-11x+(81x^2+14x+1)^{1/2}}{4(1+5x)}$$

Sequence: A059482
Score: 14.3447
Type of gen. func.: lgdogf

$$-\frac{20x^2-20x+9}{(x-1)(2x-1)(10x-1)}$$

Sequence: A059482
Score: 6.20893
Type of gen. func.: ogf

$$-(79 f(x)+2)(10 f(x) x^2-11 f(x) x+f(x)+2x-1)$$

Sequence: A059482
Score: 6.80025
Type of gen. func.: ogf

$$\{a(n+2)-11a(n+1)+10a(n), a(0)=1, a(1)=9\}$$

Sequence: A059502
Score: 12.9087

Type of gen. func.: lgdogf

$$-\frac{4 x^{3} - 9 x^{2} + 9 x - 3}{(x - 1) (2 x - 1) (x^{2} - 3 x + 1)}$$

Sequence: A059502
Score: 5.62058
Type of gen. func.: ogf

$$-f(x) x^{4} + 6 f(x) x^{3} - 11 f(x) x^{2} + 2 x^{3} + 6 f(x) x - 3 x^{2} - f(x) + x$$

Sequence: A059502
Score: 8.50682
Type of gen. func.: ogf

$$\frac{x (2 x - 1) (x - 1)}{(x^{2} - 3 x + 1)^{2}}$$

Sequence: A059505
Score: 10.1165
Type of gen. func.: lgdogf

$$-\frac{x^{4} - 9 x^{3} + 18 x^{2} - 17 x + 5}{(x - 1) (x^{2} - 3 x + 1) (x^{2} - 5 x + 2)}$$

Sequence: A059505
Score: 4.13855
Type of gen. func.: ogf

$(29 f(x) + 15)$

$$(f(x) x^{4} - 6 f(x) x^{3} + 11 f(x) x^{2} + x^{3} - 6 f(x) x - 6 x^{2} + f(x) + 7 x - 2)$$

Sequence: A059505
Score: 7.42818
Type of gen. func.: ogf

$$-\frac{(x-1)(x^2-5x+2)}{(x^2-3x+1)^2}$$

Sequence: A059506
Score: 4.1256
Type of gen. func.: ogf

$$(46 f(x)+59)(f(x) x^4-6 f(x) x^3+11 f(x) x^2+2 x^3-6 f(x) x-10 x^2 + f(x)+11 x-3)$$

Sequence: A059506
Score: 7.32295
Type of gen. func.: ogf

$$-\frac{(x-1)(2 x^2-8 x+3)}{(x^2-3 x+1)^2}$$

Sequence: A059506
Score: 9.39280
Type of gen. func.: lgdogf

$$-\frac{2 x^4-14 x^3+27 x^2-25 x+7}{(x-1)(x^2-3 x+1)(2 x^2-8 x+3)}$$

Sequence: A059507
Score: 4.20052
Type of gen. func.: ogf

$$(7 f(x)+17)(f(x) x^4-6 f(x) x^3+11 f(x) x^2+3 x^3-6 f(x) x-14 x^2 + f(x)+15 x-4)$$

Sequence: A059507

Score: 7.40342
Type of gen. func.: ogf

$$-\frac{(x-1)(3x^2-11x+4)}{(x^2-3x+1)^2}$$

Sequence: A059507
Score: 9.34514
Type of gen. func.: lgdogf

$$-\frac{3x^4-19x^3+36x^2-33x+9}{(x-1)(x^2-3x+1)(3x^2-11x+4)}$$

Sequence: A059508
Score: 4.13536
Type of gen. func.: ogf

$$(160 f(x)+633)(f(x)x^4-6f(x)x^3+11f(x)x^2+4x^3-6f(x)x-18x^2+f(x)+19x-5)$$

Sequence: A059508
Score: 7.44366
Type of gen. func.: ogf

$$-\frac{(x-1)(4x^2-14x+5)}{(x^2-3x+1)^2}$$

Sequence: A059508
Score: 9.24789
Type of gen. func.: lgdogf

$$-\frac{4x^4-24x^3+45x^2-41x+11}{(x-1)(x^2-3x+1)(4x^2-14x+5)}$$

Sequence: A059509
Score: 11.9522
Type of gen. func.: lgdogf

$$-\frac{(x-1)(x^3+4x^2-2x+5)}{(x^2-3x+1)(x^3-x+1)}$$

Sequence: A059509
Score: 3.98947
Type of gen. func.: ogf

$$-(43945 f(x) + 7482)$$

$$(f(x) x^4 - 6 f(x) x^3 + 11 f(x) x^2 - x^3 - 6 f(x) x + f(x) + x - 1)$$

Sequence: A059509
Score: 8.03593
Type of gen. func.: ogf

$$\frac{x^3-x+1}{(x^2-3x+1)^2}$$

Sequence: A059512
Score: 4.74371
Type of gen. func.: ogf

$$-(f(x) - 1)$$

$$(f(x) x^4 - 2 f(x) x^3 - 3 f(x) x^2 + 2 x^3 + 4 f(x) x - 3 x^2 - f(x) + x)$$

Sequence: A059512
Score: 8.90259
Type of gen. func.: ogf

$$-\frac{x(2x-1)(x-1)}{(x^2-3x+1)(x^2+x-1)}$$

Sequence: A059512
Score: 9.13981
Type of gen. func.: lgdogf

$$-\frac{4x^5 - 13x^4 + 16x^3 - 5x^2 - 2x + 1}{(2x - 1)(x - 1)(x^2 - 3x + 1)(x^2 + x - 1)}$$

Sequence: A059517
Score: 11.1167
Type of gen. func.: ogf

$$-\frac{6x^2 (3x + 2)}{(x - 1)(6x - 1)(3x - 1)}$$

Sequence: A059517
Score: 5.39489
Type of gen. func.: ogf

{a(n + 4) - 10 a(n + 3) + 27 a(n + 2) - 18 a(n + 1), a(0) = 0, a(1) = 0,

a(2) = 12, a(3) = 138}

Sequence: A059517
Score: 6.55094
Type of gen. func.: ogf

$$-f(x) (18 f(x) x^3 - 27 f(x) x^2 + 18 x^3 + 10 f(x) x + 12 x^2 - f(x))$$

Sequence: A059517
Score: 9.35509
Type of gen. func.: lgdogf

$$-\frac{108x^3 + 27x^2 - 108x + 23}{(x - 1)(6x - 1)(3x + 2)(3x - 1)}$$

Sequence: A059532
Score: 8.20619
Type of gen. func.: ogf

$$\frac{x^7 + 4 x^6 + 4 x^5 + 4 x^4 + 4 x^3 + 4 x^2 + 4 x + 4}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A059533
Score: 5.88989
Type of gen. func.: ogf

$$(x^{12} + x^{11} + 2 x^{10} + 2 x^9 + 2 x^8 + 2 x^7 + 2 x^6 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 1) / ((x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2)$$

Sequence: A059534
Score: 6.75818
Type of gen. func.: ogf

$$\frac{3 x^{10} + 2 x^9 + 2 x^8 + 2 x^7 + 2 x^6 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A059537
Score: 11.5148
Type of gen. func.: ogf

$$\frac{2 x^4 + x^3 + x^2 + x + 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A059537
Score: 9.45203
Type of gen. func.: lgdogf

$$(x + 1) (4 x^7 + x^6 + 6 x^5 + 3 x^4 + 8 x^3 + 4 x^2 + 2 x + 2)$$

```
          - ---------------------------------------------------------
                       4    3    2              4    3    2
             (x - 1) (x  + x  + x  + x + 1) (2 x  + x  + x  + x + 1)


------------------------------------------------------------------------------

Sequence:  A059541
Score: 5.96145
Type of gen. func.: ogf


    12      11      10    9      8      7    6      5      4    3      2
(2 x   + 2 x   + 2 x   + x  + 2 x  + 2 x  + x  + 2 x  + 2 x  + x  + 2 x  + 2 x

            /
     + 1)  /  (
          /

      12    11    10    9    8    7    6    5    4    3    2                 2
    (x   + x   + x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x - 1) )


------------------------------------------------------------------------------

Sequence:  A059542
Score: 7.23997
Type of gen. func.: ogf


          9      8      7      6      5      4      3      2
         x  + 2 x  + 2 x  + 3 x  + 2 x  + 3 x  + 2 x  + 3 x  + 2 x + 2
         -------------------------------------------------------------
                        2            6    3             2
                      (x  + x + 1) (x  + x  + 1) (x - 1)


------------------------------------------------------------------------------

Sequence:  A059543
Score: 29.8388
Type of gen. func.: ogf_with_Euler_transform]


                                   10    9
                                 -x   + x  + 2


------------------------------------------------------------------------------

Sequence:  A059543
Score: 7.01641
Type of gen. func.: ogf


               10    9    8    7    6    5    4    3    2
              x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1
         --------------------------------------------------------------
                   4    3    2             4    3    2                 2
         (x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1) (x - 1)


------------------------------------------------------------------------------

Sequence:  A059544
Score: 7.60972
```

Type of gen. func.: ogf

$$\frac{x^7 + 11 x^6 + 11 x^5 + 11 x^4 + 11 x^3 + 11 x^2 + 11 x + 11}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A059547
Score: 6.71816
Type of gen. func.: ogf

$$\frac{2 x^{10} + 2 x^9 + 2 x^8 + 2 x^7 + 2 x^6 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 1}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A059548
Score: 6.75818
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^9 + 2 x^8 + 2 x^7 + 2 x^6 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A059557
Score: 12.9116
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 1)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A059557
Score: 14.5642
Type of gen. func.: lgdogf

$$- \frac{x^5 + 3 x^4 + 5 x^3 + 9 x^2 + 4 x + 2}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A059557
Score: 30.6185
Type of gen. func.: ogf_with_Euler_transform]

$$-x^3 + x^2 + 2$$

Sequence: A059557
Score: 5.43232
Type of gen. func.: ogf

$$\{(-2 n - 7) a(n + 1) - 2 a(n + 2) - 2 a(n + 3) + (2 n + 5) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 5\}$$

Sequence: A059557
Score: 7.42417
Type of gen. func.: ogf

$$(4 f(x) + 27) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - x^2 + f(x) - x - 1)$$

Sequence: A059558
Score: 10.1076
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 4, a(1) = 8\}$$

Sequence: A059558
Score: 101.582
Type of gen. func.: lgdogf

$$- \frac{2}{x - 1}$$

Sequence: A059558
Score: 14.0479
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 4$$

Sequence: A059558
Score: 25.1159
Type of gen. func.: ogf

$$\frac{4}{(x-1)^2}$$

Sequence: A059558
Score: 42.7712
Type of gen. func.: revogf

$$\frac{x}{\left(1+(x+1)^{1/2}\right)^2}$$

Sequence: A059561
Score: 9.53373
Type of gen. func.: ogf

$$\frac{2x^6+x^5+x^4+x^3+x^2+x+1}{(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A059562
Score: 6.41977
Type of gen. func.: ogf

$$\frac{8x^{10}+8x^9+8x^8+8x^7+8x^6+8x^5+8x^4+8x^3+8x^2+8x+7}{(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A059568
Score: 6.56649
Type of gen. func.: ogf

```
   10      9      8      7      6      5      4      3      2
4 x   + 4 x  + 4 x  + 3 x  + 4 x  + 4 x  + 4 x  + 3 x  + 4 x  + 4 x + 3
-----------------------------------------------------------------------
      10    9    8    7    6    5    4    3    2                 2
```

$$(x + x + x + x + x + x + x + x + x + x + 1) (x - 1)$$

Sequence: A059570
Score: 17.0976
Type of gen. func.: ogf

$$-\frac{x - 1}{(x + 1) (2 x - 1)^2}$$

Sequence: A059570
Score: 17.3640
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^2 - 2 x - 1)}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A059570
Score: 8.18504
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 4 a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A059570
Score: 8.64487
Type of gen. func.: ogf

$$-(f(x) + 3) (4 f(x) x^3 - 3 f(x) x + f(x) + x - 1)$$

Sequence: A059578
Score: 5.42539
Type of gen. func.: ogf

$$f(x)^2 x^2 + f(x) x^3 - 2 f(x)^2 x - 7 f(x) x^2 + f(x)^2 + 11 f(x) x + 2 x^2 - 4 f(x) - 5 x + 3$$

Sequence: A059585
Score: 13.3964
Type of gen. func.: lgdogf

$$-\frac{2\,(4\,x^3-18\,x^2+27\,x-17)}{(x-1)\,(x-2)\,(2\,x^2-4\,x+3)}$$

Sequence: A059585
Score: 5.25034
Type of gen. func.: ogf

$$\frac{x^2\,(2\,x^2-4\,x+3)\,(x-2)^2}{(x-1)^8}$$

Sequence: A059593
Score: 7.96474
Type of gen. func.: lgdegf]

a(n), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 1/2, a(5) = 0, a(6) = 0,

a(7) = 0, a(8) = 0, a(9) = 1/60

Sequence: A059595
Score: 25.4724
Type of gen. func.: lgdogf

$$-\frac{7\,(3\,x+1)}{(x-1)\,(x+1)}$$

Sequence: A059595
Score: 26.9773
Type of gen. func.: ogf_with_Euler_transform]

[7 + 7 x]

Sequence: A059595
Score: 4.21637
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) - 7 a(n + 2) + (-22 - n) a(n + 1), a(0) = 1, a(1) = 7, a(2) = 35\}$$

Sequence: A059596
Score: 10.1931
Type of gen. func.: lgdogf

$$-2272 - 6816 x + (-284 x^2 - 120 x + 244) f(x) + (-5 x^2 + 5) f(x)^2$$

Sequence: A059596
Score: 26.4838
Type of gen. func.: ogf_with_Euler_transform]

$$[8 + 8 x]$$

Sequence: A059596
Score: 4.14194
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) - 8 a(n + 2) + (-25 - n) a(n + 1), a(0) = 1, a(1) = 8, a(2) = 44\}$$

Sequence: A059597
Score: 26.1900
Type of gen. func.: lgdogf

$$-\frac{9 (1 + 3 x)}{(x - 1) (x + 1)}$$

Sequence: A059597
Score: 27.6944
Type of gen. func.: ogf_with_Euler_transform]

$$[9 + 9 x]$$

Sequence: A059597
Score: 4.33129

Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) - 9 a(n + 2) + (-28 - n) a(n + 1), a(0) = 1, a(1) = 9, a(2) = 54\}$$

Sequence: A059598
Score: 11.7853
Type of gen. func.: lgdogf

$$-710 - 2130 x + (-71 x^2 - 30 x + 61) f(x) + (-x^2 + 1) f(x)^2$$

Sequence: A059598
Score: 24.8113
Type of gen. func.: ogf_with_Euler_transform]

$$[10 + 10 x]$$

Sequence: A059598
Score: 4.19134
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) - 10 a(n + 2) + (-31 - n) a(n + 1), a(0) = 1, a(1) = 10, a(2) = 65\}$$

Sequence: A059599
Score: 34.2561
Type of gen. func.: lgdogf

$$-\frac{19 + 5 x}{(x + 3) (x - 1)}$$

Sequence: A059599
Score: 4.79401
Type of gen. func.: ogf

$$\{(-3 n - 9) a(n + 3) + (23 + 2 n) a(n + 2) + (6 + n) a(n + 1), a(0) = 3, a(1) = 19, a(2) = 69\}$$

Sequence: A059599
Score: 9.16854
Type of gen. func.: ogf

$$\frac{x+3}{(x-1)^6}$$

Sequence: A059600
Score: 17.1578
Type of gen. func.: lgdogf

$$-\frac{2(x+7)(1+3x)}{(x-1)(x^2+6x+1)}$$

Sequence: A059600
Score: 5.62780
Type of gen. func.: ogf

$$\frac{x^2+6x+1}{(x-1)^8}$$

Sequence: A059601
Score: 14.4685
Type of gen. func.: lgdogf

$$-\frac{20(2x^2+5x+1)}{(x-1)(5x^2+10x+1)}$$

Sequence: A059601
Score: 4.22944
Type of gen. func.: ogf

$$\frac{5x^2+10x+1}{(x-1)^{10}}$$

Sequence: A059602
Score: 15.0313
Type of gen. func.: lgdogf

$$-\frac{4 (2 x^2 + 23 x + 15)}{(x - 1) (x^2 + 10 x + 5)}$$

Sequence: A059602
Score: 4.27723
Type of gen. func.: ogf

$$\frac{x^2 + 10 x + 5}{(x - 1)^{10}}$$

Sequence: A059603
Score: 15.0667
Type of gen. func.: lgdogf

$$-\frac{3 (3 x^3 + 51 x^2 + 65 x + 9)}{(x - 1) (x + 1) (x^2 + 14 x + 1)}$$

Sequence: A059603
Score: 4.06190
Type of gen. func.: ogf

$$\{(2 n^2 + 41 n + 210) a(n + 1) + (-4 n^2 - 52 n - 115) a(n + 2)$$

$$+ (2 n^2 + 11 n + 15) a(n + 3), a(0) = 1, a(1) = 27, a(2) = 273\}$$

Sequence: A059603
Score: 4.58202
Type of gen. func.: ogf

$$(x + 1) (x^2 + 14 x + 1)$$

$$\frac{}{(x - 1)^{12}}$$

Sequence: A059605
Score: 15.5609
Type of gen. func.: lgdogf

$$-\frac{x^3 - 17 x^2 + 49 x - 37}{(x - 1) (x^3 - 10 x^2 + 23 x - 15)}$$

Sequence: A059605
Score: 3.79237
Type of gen. func.: ogf

$$\{(-1723 n^2 - 7109 n - 7326) a(n + 1) + (3704 n^2 + 11128 n - 8988) a(n + 2)$$
$$+ (-1981 n^2 - 3245 n + 8094) a(n + 3), a(0) = 15, a(1) = 37, a(2) = 68\}$$

Sequence: A059605
Score: 5.28868
Type of gen. func.: ogf

$$(738 f(x) + 135497) ($$
$$f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + x^3 - 4 f(x) x - 10 x^2 + f(x) + 23 x - 15)$$

Sequence: A059605
Score: 9.71794
Type of gen. func.: ogf

$$-\frac{x^3 - 10 x^2 + 23 x - 15}{(x - 1)^4}$$

Sequence: A059620
Score: 8.00876
Type of gen. func.: ogf

$$-\frac{x\,(x^{10}+x^{8}+x^{5}+x^{3}+1)}{(x-1)\,(x+1)\,(x^{2}+x+1)\,(x^{2}-x+1)\,(x^{2}+1)\,(x^{4}-x^{2}+1)}$$

Sequence: A059624
Score: 19.8223
Type of gen. func.: lgdogf

$$-\frac{2\,(15\,x^{2}+58\,x+23)}{(x-1)\,(x+3)\,(1+3\,x)}$$

Sequence: A059624
Score: 3.79903
Type of gen. func.: ogf

{(3 n + 12) a(n + 4) + (-25 + 7 n) a(n + 3) + (-130 - 7 n) a(n + 2)

+ (-33 - 3 n) a(n + 1), a(0) = 3, a(1) = 46, a(2) = 357, a(3) = 1908}

Sequence: A059624
Score: 5.07354
Type of gen. func.: ogf

$$\frac{(x+3)\,(1+3\,x)}{(x-1)^{12}}$$

Sequence: A059625
Score: 23.4480
Type of gen. func.: lgdogf

$$-\frac{11\,(1+3\,x)}{(x-1)\,(x+1)}$$

Sequence: A059625
Score: 23.6532
Type of gen. func.: ogf_with_Euler_transform]

[11 + 11 x]

Sequence: A059625
Score: 3.99888
Type of gen. func.: ogf

$\{(n + 3)\, a(n + 3) - 11\, a(n + 2) + (-34 - n)\, a(n + 1),\ a(0) = 1,\ a(1) = 11,$

$a(2) = 77\}$

Sequence: A059628
Score: 11.1657
Type of gen. func.: ogf

$$-\frac{5 x (11 x^{10} + 10 x^{9} + 1)}{(x - 1) (x + 1) (x^{2} + 1) (x^{8} - x^{6} + x^{4} - x^{2} + 1)}$$

Sequence: A059628
Score: 7.70739
Type of gen. func.: lgdogf

$$-\frac{2 x (11 x^{20} + 15 x^{19} - 5 x^{17} - 38 x^{10} - 35 x^{9} + 50 x^{8} + 45 x^{7} + 1)}{(x - 1) (x + 1) (x^{2} + 1) (11 x^{10} + 10 x^{9} + 1) (x^{8} - x^{6} + x^{4} - x^{2} + 1)}$$

Sequence: A059633
Score: 17.5160
Type of gen. func.: ogf

$$-\frac{1}{x^{4} - x^{3} + 2 x - 1}$$

Sequence: A059633
Score: 19.2191
Type of gen. func.: lgdogf

```
           3      2
        4 x  - 3 x  + 2
     - -----------------
        4    3
```

$$x - x + 2 x - 1$$

Sequence: A059633
Score: 6.82203
Type of gen. func.: ogf

$$-f(x) (f(x) x^4 - f(x) x^3 + 2 f(x) x - f(x) + 1)$$

Sequence: A059655
Score: 5.07846
Type of gen. func.: ogf

$$(4 x^{28} + 2 x^{24} - 2 x^{23} + 2 x^{20} - 2 x^{19} - 4 x^{15} + 3 x^8 + 10 x^7 + 4 x^6 + 4 x^5 + 4 x^4 + 6 x^3 + 4 x^2 + 4 x + 1) / ((x + 1) (x^4 + 1) (x^2 + 1) (x - 1)^2)$$

Sequence: A059672
Score: 10.2527
Type of gen. func.: ogf

$$-\frac{x (4 x - 3)}{(2 x - 1)^2 (x - 1)^2}$$

Sequence: A059672
Score: 16.5080
Type of gen. func.: lgdogf

$$-\frac{2 (12 x^2 - 18 x + 7)}{(x - 1) (4 x - 3) (2 x - 1)}$$

Sequence: A059672
Score: 3.40064
Type of gen. func.: ogf

$$\{(9 + 3 n) a(n + 4) + (-40 - 13 n) a(n + 3) + (54 + 18 n) a(n + 2) + (-24 - 8 n) a(n + 1), a(0) = 0, a(1) = 3, a(2) = 14, a(3) = 45\}$$

Sequence: A059672
Score: 5.08836
Type of gen. func.: ogf

$-(83 f(x) - 1638)$

$$(4 f(x) x^4 - 12 f(x) x^3 + 13 f(x) x^2 - 6 f(x) x + 4 x^2 + f(x) - 3 x)$$

Sequence: A059673
Score: 13.8128
Type of gen. func.: lgdogf

$$- \frac{8 x^3 + 6 x^2 - 23 x + 11}{(x - 1) (2 x - 1) (2 x^2 + x - 2)}$$

Sequence: A059673
Score: 4.87183
Type of gen. func.: ogf

$(604 f(x) - 11657)$

$$(4 f(x) x^4 - 12 f(x) x^3 + 13 f(x) x^2 + 2 x^3 - 6 f(x) x + x^2 + f(x) - 2 x)$$

Sequence: A059673
Score: 9.15905
Type of gen. func.: ogf

$$- \frac{x (2 x^2 + x - 2)}{(2 x - 1)^2 (x - 1)^2}$$

Sequence: A059712
Score: 10.2468
Type of gen. func.: revogf

$$- \frac{-1 - 5 x - 2 x^2 + ((4 x^2 + 1) (x - 1)^2)^{1/2}}{2}$$

$$2 (7 x + 6 x + 3)$$

Sequence: A059712
Score: 6.34021
Type of gen. func.: ogf

$$7 x^3 f(x)^2 - 2 f(x)^2 x^2 + 6 f(x) x^2 - 5 f(x) x + f(x) + 3 x - 1$$

Sequence: A059714
Score: 12.8755
Type of gen. func.: revogf

$$- \frac{-1 - 7 x - 2 x^2 + ((4 x^2 + 1) (x - 1)^2)^{1/2}}{2 (2 + 3 x)^2}$$

Sequence: A059714
Score: 7.33904
Type of gen. func.: ogf

$$-9 x^3 f(x)^2 + 2 f(x)^2 x^2 - 12 f(x) x^2 + 7 f(x) x - f(x) - 4 x + 1$$

Sequence: A059716
Score: 11.0664
Type of gen. func.: lgdogf

$$- \frac{x^4 - 4 x^3 + 11 x^2 - 8 x + 3}{(x - 1) (x^4 - 7 x^3 + 10 x^2 - 6 x + 1)}$$

Sequence: A059716
Score: 4.42261
Type of gen. func.: ogf

$-(30 f(x) + 1)$

$$(f(x) x^4 - 7 f(x) x^3 + 10 f(x) x^2 + x^3 - 6 f(x) x - 3 x^2 + f(x) + 3 x - 1)$$

Sequence: A059716
Score: 8.10810
Type of gen. func.: ogf

$$-\frac{(x-1)^3}{x^4-7x^3+10x^2-6x+1}$$

Sequence: A059721
Score: 5.35929
Type of gen. func.: ogf

$$-\frac{x(7x^4+42x^3+56x^2+14x+1)}{(x-1)^7}$$

Sequence: A059721
Score: 9.59270
Type of gen. func.: lgdogf

$$-\frac{7(3x^4+28x^3+58x^2+28x+3)}{(x-1)(7x^4+42x^3+56x^2+14x+1)}$$

Sequence: A059722
Score: 11.0898
Type of gen. func.: ogf

$$\frac{x(x+1)(5x+1)}{(x-1)^4}$$

Sequence: A059722
Score: 21.5789
Type of gen. func.: lgdogf

$$-\frac{2(5x^2+14x+5)}{(x-1)(5x+1)(x+1)}$$

Sequence: A059722
Score: 4.23852
Type of gen. func.: ogf

```
{(n + 3) a(n + 4) + 5 n a(n + 3) + (-29 - n) a(n + 2) + (-10 - 5 n) a(n + 1),

    a(0) = 0, a(1) = 1, a(2) = 10, a(3) = 39}
```

Sequence: A059722
Score: 5.5072
Type of gen. func.: ogf

```
-(130464 f(x) + 334283)

           4           3           2      3                 2
    (f(x) x  - 4 f(x) x  + 6 f(x) x  - 5 x  - 4 f(x) x - 6 x  + f(x) - x)
```

Sequence: A059727
Score: 4.40278
Type of gen. func.: ogf

```
                     5         4           3      4           2      3
-(5 f(x) + 3) (f(x) x  - f(x) x  - 5 f(x) x  + 2 x  + f(x) x  - 2 x  + 3 f(x) x

          2
     - 4 x  - f(x) + 2 x)
```

Sequence: A059727
Score: 8.06352
Type of gen. func.: ogf

```
                                   3    2
                             2 x (x  - x  - 2 x + 1)
                     - ------------------------------------
                                 2              2
                       (x + 1) (x  - 3 x + 1) (x  + x - 1)
```

Sequence: A059727
Score: 8.13160
Type of gen. func.: lgdogf

```
                    7      6      5       4       3       2
                 2 x  - 4 x  - 6 x  + 15 x  + 10 x  - 11 x  + 1
           - --------------------------------------------------------
                       2              2            3    2
```

$$(x + 1) (x - 3 x + 1) (x + x - 1) (x - x - 2 x + 1)$$

Sequence: A059738
Score: 3.76437
Type of gen. func.: ogf

$$\{(21 n + 42) a(n + 1) + (8 n + 37) a(n + 2) + (-11 n - 49) a(n + 3) + (2 n + 10) a(n + 4), a(0) = 1, a(1) = 3, a(2) = 10, a(3) = 34\}$$

Sequence: A059738
Score: 32.8151
Type of gen. func.: revogf

$$\frac{x (2 x + 1)}{7 x^{2} + 5 x + 1}$$

Sequence: A059738
Score: 9.97312
Type of gen. func.: ogf

$$-7 f(x)^{2} x^{2} + 2 f(x)^{2} x - 5 f(x) x + f(x) - 1$$

Sequence: A059769
Score: 6.65484
Type of gen. func.: lgdogf

$$-\frac{x^{8} - 10 x^{6} - 8 x^{5} + 23 x^{4} + 48 x^{3} + 26 x^{2} - 12 x - 7}{(x + 1) (x^{2} - 3 x + 1) (x^{2} + x - 1) (x^{4} - 5 x^{2} - 4 x - 1)}$$

Sequence: A059769
Score: 8.74213
Type of gen. func.: ogf

$$\frac{x^{4} - 5 x^{2} - 4 x - 1}{(x + 1) (x^{2} - 3 x + 1) (x^{2} + x - 1)}$$

Sequence: A059774
Score: 5.46041
Type of gen. func.: ogf

$$-(15 x^{11} - 40 x^{10} + 26 x^{9} + 11 x^{8} - 20 x^{7} + 15 x^{6} - 8 x^{5} + x^{4} + x^{3} - 3 x^{2} + x - 1) \bigg/ (x - 1)^{4}$$

Sequence: A059777
Score: 10.9423
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{5} - x^{4} - x^{3} - x^{2} - x}{-x^{4} + 1}$$

Sequence: A059778
Score: 7.99504
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{5} - x^{4} - x^{3} - x^{2} - x}{x^{4} - 1}$$

Sequence: A059811
Score: 10.1574
Type of gen. func.: lgdogf

$$\frac{245 x^{8} - 442 x^{7} + 164 x^{6} + 30 x^{5} - 9 x^{4} + 12 x^{3} + 1}{(x - 1) (35 x^{8} - 27 x^{7} - 5 x^{6} - 3 x^{4} - 1)}$$

Sequence: A059811
Score: 12.8536
Type of gen. func.: ogf

8 7 6 4

$$\frac{35 x - 27 x - 5 x - 3 x - 1}{x - 1}$$

Sequence: A059812
Score: 5.89175
Type of gen. func.: lgdogf

$$(1967 x^{9} - 5559 x^{8} + 4970 x^{7} - 1146 x^{6} - 297 x^{5} + 147 x^{4} - 84 x^{3} + 4 x - 4) / ((x - 1) (281 x^{9} - 505 x^{8} + 186 x^{7} + 39 x^{6} - 21 x^{5} + 21 x^{4} - 3 x^{2} + 2 x + 1))$$

Sequence: A059812
Score: 7.22133
Type of gen. func.: ogf

$$\frac{281 x^{9} - 505 x^{8} + 186 x^{7} + 39 x^{6} - 21 x^{5} + 21 x^{4} - 3 x^{2} + 2 x + 1}{(x - 1)^{2}}$$

Sequence: A059815
Score: 7.84053
Type of gen. func.: ogf

$$- \frac{x^{9} - 63 x^{8} - 15 x^{7} + 55 x^{6} + 12 x^{5} + 5 x^{4} + 3 x^{3} + 3 x^{2} + x + 1}{(x - 1) (x + 1)}$$

Sequence: A059816
Score: 5.79646
Type of gen. func.: ogf

$$- (3 x^{11} - 222 x^{10} - 50 x^{9} + 421 x^{8} + 85 x^{7} - 184 x^{6} - 32 x^{5} - 8 x^{4} - 7 x^{3} - 7 x^{2} - x - 1) / ((x - 1)^{2} (x + 1)^{2})$$

Sequence: A059826
Score: 11.1306
Type of gen. func.: lgdogf

$$-\frac{3 (x^4 + 8 x^3 + 22 x^2 + 8 x + 1)}{(x - 1) (3 x^4 + 6 x^3 + 16 x^2 - 2 x + 1)}$$

Sequence: A059826
Score: 7.10228
Type of gen. func.: ogf

$$-\frac{3 x^4 + 6 x^3 + 16 x^2 - 2 x + 1}{(x - 1)^5}$$

Sequence: A059827
Score: 10.4197
Type of gen. func.: lgdogf

$$-\frac{3 (x^4 + 28 x^3 + 100 x^2 + 72 x + 9)}{(x - 1) (x^4 + 20 x^3 + 48 x^2 + 20 x + 1)}$$

Sequence: A059827
Score: 5.77390
Type of gen. func.: ogf

$$-\frac{x^4 + 20 x^3 + 48 x^2 + 20 x + 1}{(x - 1)^7}$$

Sequence: A059830
Score: 5.00479
Type of gen. func.: ogf

$$-\frac{4 x^6 + 57 x^5 + 309 x^4 + 274 x^3 + 78 x^2 - 3 x + 1}{(x - 1)^7}$$

Sequence: A059830
Score: 6.69155
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^6 + 69 x^5 + 606 x^4 + 1166 x^3 + 606 x^2 + 69 x + 2)}{(x - 1) (4 x^6 + 57 x^5 + 309 x^4 + 274 x^3 + 78 x^2 - 3 x + 1)}$$

Sequence: A059834
Score: 10.4285
Type of gen. func.: ogf

$$\frac{2 x (2 x^2 - 3 x + 3)}{(x - 1)^4}$$

Sequence: A059834
Score: 22.0630
Type of gen. func.: lgdogf

$$-\frac{4 x^2 - 5 x + 9}{(x - 1) (2 x^2 - 3 x + 3)}$$

Sequence: A059834
Score: 3.82554
Type of gen. func.: ogf

$$\{(9 + 3 n) a(n + 4) + (-21 - 6 n) a(n + 3) + (5 n + 10) a(n + 2)$$
$$+ (-4 - 2 n) a(n + 1), a(0) = 0, a(1) = 6, a(2) = 18, a(3) = 40\}$$

Sequence: A059834
Score: 5.39917
Type of gen. func.: ogf

-(656 f(x) + 209)

4 3 2 3 2

$$(f(x)\, x - 4\, f(x)\, x + 6\, f(x)\, x - 4\, x - 4\, f(x)\, x + 6\, x + f(x) - 6\, x)$$

Sequence: A059837
Score: 3.39743
Type of gen. func.: ogf

$$\{(4\, n^3 + 28\, n^2 + 64\, n + 48)\, a(n + 1) + (2\, n + 6)\, a(n + 2) + (-n - 4)\, a(n + 3),$$
$$a(0) = 1,\ a(1) = 1,\ a(2) = 4\}$$

Sequence: A059837
Score: 7.4567
Type of gen. func.: egf]

$$-2\, f(x)^2\, x^2 + f(x)^2\, x - 2\, f(x)\, x + f(x) - 1$$

Sequence: A059838
Score: 11.9837
Type of gen. func.: lgdegf]

$$-\frac{2\, x^2 + x - 1 + (-(x - 1)\, (x + 1))^{1/2}}{x\, (x + 1)\, (x - 1)}$$

Sequence: A059838
Score: 3.51435
Type of gen. func.: egf]

$$\{a(n)\, n - a(n + 1)\, n + (-n - 3)\, a(n + 2) + (n + 3)\, a(n + 3),\ a(0) = 0,\ a(1) = 0,$$
$$a(2) = 1/2\}$$

Sequence: A059838
Score: 7.5912
Type of gen. func.: egf]

$$f(x)^2\, x^2 - 2\, f(x)^2\, x + f(x)^2 + 2\, f(x)\, x + x^2 - 2\, f(x)$$

Sequence: A059839
Score: 3.54670
Type of gen. func.: ogf

$$-(5x^8+296x^7+4492x^6+15332x^5+15458x^4+4408x^3+332x^2-4x+1)\Big/(x-1)^9$$

Sequence: A059840
Score: 11.1507
Type of gen. func.: ogf

$$\frac{x^2(x-2)}{(x-1)(x+1)(x^2-3x+1)}$$

Sequence: A059840
Score: 12.2447
Type of gen. func.: lgdogf

$$-\frac{3x^4-14x^3+18x^2-5}{(x-1)(x-2)(x+1)(x^2-3x+1)}$$

Sequence: A059840
Score: 5.91473
Type of gen. func.: ogf

$$(575f(x)-247)(f(x)x^4-3f(x)x^3-x^3+3f(x)x+2x^2-f(x))$$

Sequence: A059841
Score: 14.3408
Type of gen. func.: ogf

$$-f(x)x^2+f(x)-1$$

Sequence: A059841

Score: 23.5190
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(x+1)}$$

Sequence: A059841
Score: 29.2959
Type of gen. func.: revogf

$$\frac{-1+(4x^2+1)^{1/2}}{2x}$$

Sequence: A059841
Score: 45.1100
Type of gen. func.: ogf_with_Euler_transform]

$$[x]$$

Sequence: A059841
Score: 47.6059
Type of gen. func.: lgdogf

$$-\frac{2x}{(x-1)(x+1)}$$

Sequence: A059841
Score: 9.33292
Type of gen. func.: ogf

$$\{a(n+2)-a(n), a(0)=1, a(1)=0\}$$

Sequence: A059845
Score: 14.5431
Type of gen. func.: ogf

$$\frac{x(4x-7)}{(x-1)^3}$$

Sequence: A059845
Score: 34.0534
Type of gen. func.: lgdogf

$$- \frac{-17 + 8 x}{(x - 1) (4 x - 7)}$$

Sequence: A059845
Score: 7.27156
Type of gen. func.: ogf

$$(1161 f(x) - 14615) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 4 x^2 - f(x) + 7 x)$$

Sequence: A059845
Score: 7.40141
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 7, a(2) = 17\}$$

Sequence: A059855
Score: 11.1292
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A059855
Score: 11.8335
Type of gen. func.: ogf

$$(145 f(x) - 129) (f(x) x^2 + 4 x^2 - f(x) + 2 x + 1)$$

Sequence: A059855
Score: 19.0786
Type of gen. func.: ogf

$$- \frac{4 x^2 + 2 x + 1}{}$$

$$(x - 1) (x + 1)$$

Sequence: A059855
Score: 22.9107
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + 5 x + 1)}{(x - 1) (x + 1) (4 x^2 + 2 x + 1)}$$

Sequence: A059859
Score: 5.94191
Type of gen. func.: ogf

$$\frac{x^2 (x^4 + 2 x^3 + 6 x^2 + 2 x + 1)}{(x + 1)^3 (x - 1)^6}$$

Sequence: A059859
Score: 9.55605
Type of gen. func.: lgdogf

$$-\frac{5 x^5 + 15 x^4 + 52 x^3 + 40 x^2 + 27 x + 5}{(x - 1) (x + 1) (x^4 + 2 x^3 + 6 x^2 + 2 x + 1)}$$

Sequence: A059924
Score: 12.6297
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 15 x^3 + 23 x^2 + 19 x + 5}{(x - 1) (x + 1) (x^3 + 4 x^2 + 2 x + 1)}$$

Sequence: A059924
Score: 8.49685
Type of gen. func.: ogf

$$\frac{2 x (x^3 + 4 x^2 + 2 x + 1)}{(x + 1) (x - 1)^4}$$

Sequence: A059929
Score: 13.2468
Type of gen. func.: ogf

$$- \frac{x (x - 2)}{(x^2 - 3 x + 1) (x + 1)}$$

Sequence: A059929
Score: 13.4830
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 8 x^2 + 8 x + 3}{(x - 2) (x + 1) (x^2 - 3 x + 1)}$$

Sequence: A059929
Score: 6.80240
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 2, a(2) = 3\}$$

Sequence: A059929
Score: 7.05669
Type of gen. func.: ogf

$$(3 f(x) + 4) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + x^2 + f(x) - 2 x)$$

Sequence: A059937
Score: 11.0890
Type of gen. func.: lgdogf

$$- \frac{3 (4 x - 3) (8 x^2 - 12 x + 5)}{\quad^{2}}$$

$$(x - 1) (2 x - 1) (12 x - 18 x + 7)$$

Sequence: A059937
Score: 3.60588
Type of gen. func.: ogf

$$\{(2 n^2 + 14 n + 24) a(n + 1) + (-3 n^2 - 15 n - 12) a(n + 2) + (n^2 + 3 n + 2) a(n + 3), a(0) = 0, a(1) = 7, a(2) = 45\}$$

Sequence: A059937
Score: 6.75627
Type of gen. func.: ogf

$$\frac{x (12 x^2 - 18 x + 7)}{(2 x - 1)^3 (x - 1)^3}$$

Sequence: A059938
Score: 6.35491
Type of gen. func.: ogf

$$\frac{x (8 x^3 - 6 x^2 - 5 x + 4)}{(2 x - 1)^3 (x - 1)^3}$$

Sequence: A059938
Score: 9.43390
Type of gen. func.: lgdogf

$$- \frac{48 x^4 - 48 x^3 - 56 x^2 + 90 x - 31}{(x - 1) (2 x - 1) (8 x^3 - 6 x^2 - 5 x + 4)}$$

Sequence: A059944
Score: 13.8604
Type of gen. func.: egf]

$$-\frac{x+1}{3x^2-1}$$

Sequence: A059944
Score: 18.5500
Type of gen. func.: lgdegf]

$$-\frac{3x^2+6x+1}{(x+1)(3x^2-1)}$$

Sequence: A059944
Score: 8.23589
Type of gen. func.: egf]

$$(12 f(x) - 11) (3 f(x) x^2 - f(x) + x + 1)$$

Sequence: A059945
Score: 10.0003
Type of gen. func.: lgdogf

$$-\frac{972x^4-1872x^3+1287x^2-376x+39}{(x-1)(6x-1)(3x-1)(2x-1)(9x-4)}$$

Sequence: A059945
Score: 10.3613
Type of gen. func.: ogf

$$-\frac{x^2(9x-4)}{(x-1)(6x-1)(3x-1)(2x-1)}$$

Sequence: A059945
Score: 5.56159
Type of gen. func.: ogf

$(401 f(x) - 64)$

$$(36 f(x) x^4 - 72 f(x) x^3 + 47 f(x) x^2 + 9 x^3 - 12 f(x) x - 4 x^2 + f(x))$$

Sequence: A059946
Score: 6.40091
Type of gen. func.: ogf

$$\frac{x^3 (288 x^2 - 178 x + 25)}{(x - 1) (6 x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (10 x - 1)}$$

Sequence: A059947
Score: 4.40368
Type of gen. func.: ogf

$$- x^3 (16800 x^4 - 11362 x^3 + 2237 x^2 - 112 x - 3)/((x - 1) (6 x - 1) (7 x - 1)$$

$$(3 x - 1) (15 x - 1) (2 x - 1) (10 x - 1) (4 x - 1))$$

Sequence: A059952
Score: 10.7761
Type of gen. func.: ogf

$$- \frac{26 x - 27}{(x + 1) (x - 1)^2}$$

Sequence: A059952
Score: 14.4220
Type of gen. func.: lgdogf

$$- \frac{52 x^2 - 55 x - 1}{(x - 1) (26 x - 27) (x + 1)}$$

Sequence: A059952
Score: 5.10937
Type of gen. func.: ogf

$$(82163 f(x) + 15473567) (f(x) x^3 - f(x) x^2 - f(x) x + f(x) + 26 x - 27)$$

Sequence: A059952
Score: 5.19900
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 27, a(1) = 1, a(2) = 28\}$$

Sequence: A059953
Score: 10.6830
Type of gen. func.: lgdogf

$$-\frac{26 x^3 - 26 x^2 + 23 x - 27}{(x - 1) (x + 1) (26 x^2 - 26 x - 1)}$$

Sequence: A059953
Score: 4.63036
Type of gen. func.: ogf

$$-(76079 f(x) + 15308337) (f(x) x^3 - f(x) x^2 - f(x) x + 26 x^2 + f(x) - 26 x - 1)$$

Sequence: A059953
Score: 5.24501
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 27, a(2) = 2\}$$

Sequence: A059953
Score: 9.40771
Type of gen. func.: ogf

$$-\frac{26 x^2 - 26 x - 1}{(x + 1) (x - 1)^2}$$

Sequence: A059967
Score: 59.8122
Type of gen. func.: revogf

$$\frac{x}{(x+1)^{9}}$$

Sequence: A059968
Score: 55.5309
Type of gen. func.: revogf

$$\frac{x}{(x+1)^{10}}$$

Sequence: A059973
Score: 11.9087
Type of gen. func.: lgdogf

$$-\frac{4x^{5}-3x^{4}-4x^{3}-4x^{2}-4x-1}{(x-1)(2x+1)(x^{4}+4x^{2}-1)}$$

Sequence: A059973
Score: 12.0821
Type of gen. func.: ogf

$$\frac{x(2x+1)(x-1)}{x^{4}+4x^{2}-1}$$

Sequence: A059973
Score: 9.82679
Type of gen. func.: ogf

$$-f(x)x^{4}-4f(x)x^{2}+2x^{3}-x^{2}+f(x)-x$$

Sequence: A059977
Score: 4.14353
Type of gen. func.: ogf

$$-\frac{x^6 + 72 x^5 + 603 x^4 + 1168 x^3 + 603 x^2 + 72 x + 1}{(x - 1)^9}$$

Sequence: A059977
Score: 6.29379
Type of gen. func.: lgdogf

$$-\frac{3 (x^6 + 98 x^5 + 1125 x^4 + 3140 x^3 + 2575 x^2 + 594 x + 27)}{(x - 1) (x^6 + 72 x^5 + 603 x^4 + 1168 x^3 + 603 x^2 + 72 x + 1)}$$

Sequence: A059986
Score: 12.0453
Type of gen. func.: ogf

$$\frac{6 x (x + 2)}{(x - 1)^4}$$

Sequence: A059986
Score: 39.2001
Type of gen. func.: lgdogf

$$-\frac{3 (x + 3)}{(x + 2) (x - 1)}$$

Sequence: A059986
Score: 5.23022
Type of gen. func.: ogf

{(4 + 2 n) a(n + 3) + (-10 - n) a(n + 2) + (-n - 3) a(n + 1), a(0) = 0,

a(1) = 12, a(2) = 54}

Sequence: A059986
Score: 5.97739
Type of gen. func.: ogf

(2421 f(x) + 19939)

$$(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - 4\,f(x)\,x - 6\,x^2 + f(x) - 12\,x)$$

Sequence: A059988
Score: 3.58676
Type of gen. func.: ogf

$$\{a(n + 3) - 111\,a(n + 2) + 1110\,a(n + 1) - 1000\,a(n),\ a(0) = 0,\ a(1) = 81,\ a(2) = 9801\}$$

Sequence: A059988
Score: 3.64604
Type of gen. func.: ogf

$$(121\,f(x) + 81)\,(1000\,f(x)\,x^3 - 1110\,f(x)\,x^2 + 111\,f(x)\,x + 810\,x^2 - f(x) + 81\,x)$$

Sequence: A059988
Score: 6.48781
Type of gen. func.: ogf

$$-\frac{81\,x\,(10\,x + 1)}{(x - 1)\,(100\,x - 1)\,(10\,x - 1)}$$

Sequence: A059988
Score: 6.56783
Type of gen. func.: lgdogf

$$-\frac{20000\,x^3 - 8100\,x^2 - 2220\,x + 121}{(x - 1)\,(10\,x + 1)\,(100\,x - 1)\,(10\,x - 1)}$$

Sequence: A059989
Score: 10.9470
Type of gen. func.: lgdogf

$$-\frac{3\,(x^2 - 130\,x + 65)}{2}$$

$$(x - 1) (x - 194 x + 1)$$

Sequence: A059989
Score: 11.8758
Type of gen. func.: ogf

$$-\frac{56 x}{(x - 1) (x^{2} - 194 x + 1)}$$

Sequence: A059989
Score: 4.94823
Type of gen. func.: ogf

$\{a(n + 3) - 195 a(n + 2) + 195 a(n + 1) - a(n), a(0) = 0, a(1) = 56,$

$a(2) = 10920\}$

Sequence: A059989
Score: 7.24132
Type of gen. func.: ogf

$$f(x) x^{3} - 195 f(x) x^{2} + 195 f(x) x - f(x) + 56 x$$

Sequence: A059993
Score: 13.1915
Type of gen. func.: ogf

$$\frac{3 x^{2} - 6 x - 1}{(x - 1)^{3}}$$

Sequence: A059993
Score: 23.2141
Type of gen. func.: lgdogf

$$-\frac{3 (x + 1) (x - 3)}{(x - 1) (3 x^{2} - 6 x - 1)}$$

Sequence: A059993
Score: 7.12107
Type of gen. func.: ogf

$$(10 f(x) - 91) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 3 x^2 - f(x) + 6 x + 1)$$

Sequence: A059993
Score: 7.12107
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 9, a(2) = 21}

Sequence: A059995
Score: 10.8317
Type of gen. func.: lgdogf

$$-\frac{11 x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A059995
Score: 21.2776
Type of gen. func.: ogf

$$\frac{x^{10}}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A059997
Score: 12.0275
Type of gen. func.: ogf

$$-\frac{5 x - 14}{(x - 1)^4}$$

Sequence: A059997

Score: 28.1214
Type of gen. func.: lgdogf

$$-\frac{3\,(5\,x-17)}{(x-1)\,(5\,x-14)}$$

Sequence: A059997
Score: 4.68997
Type of gen. func.: ogf

$$\{(-14\,n-42)\,a(n+3)+(89+19\,n)\,a(n+2)+(-20-5\,n)\,a(n+1),\ a(0)=14,$$
$$a(1)=51,\ a(2)=120\}$$

Sequence: A059997
Score: 5.52374
Type of gen. func.: ogf

$$(4781511\,f(x)+87187714)$$

$$(f(x)\,x^{4}-4\,f(x)\,x^{3}+6\,f(x)\,x^{2}-4\,f(x)\,x+f(x)+5\,x-14)$$

Sequence: A059999
Score: 5.90790
Type of gen. func.: ogf

$$\frac{14\,x^{5}+14\,x^{4}-18\,x^{3}+17\,x^{2}-9\,x+2}{(x-1)^{6}}$$

Sequence: A059999
Score: 8.60679
Type of gen. func.: lgdogf

$$-\frac{14\,x^{5}+98\,x^{4}+2\,x^{3}+14\,x^{2}-11\,x+3}{(x-1)\,(14\,x^{5}+14\,x^{4}-18\,x^{3}+17\,x^{2}-9\,x+2)}$$

Sequence: A060008
Score: 11.8366

Type of gen. func.: ogf

$$-\frac{9\,x^{4}}{(x-1)^{5}}$$

Sequence: A060008
Score: 5.48313
Type of gen. func.: ogf

$\{(-2+n)\,a(n+2)+(-2-n)\,a(n+1),\ a(0)=0,\ a(1)=0,\ a(2)=0,\ a(3)=0,\ a(4)=9\}$

Sequence: A060008
Score: 6.26643
Type of gen. func.: ogf

$$f(x)\,x^{5}-5\,f(x)\,x^{4}+10\,f(x)\,x^{3}+9\,x^{4}-10\,f(x)\,x^{2}+5\,f(x)\,x-f(x)$$

Sequence: A060008
Score: 93.2132
Type of gen. func.: lgdogf

$$-\frac{5}{x-1}$$

Sequence: A060013
Score: 11.4066
Type of gen. func.: ogf

$$-\frac{(x^{2}-x+1)\,(2\,x^{3}+2\,x^{2}-1)}{(2\,x-1)\,(x-1)}$$

Sequence: A060013
Score: 9.09093
Type of gen. func.: lgdogf

6 5 4 2

$$\frac{12 x - 24 x + 10 x - 5 x + 6 x - 2}{(x - 1) (2 x - 1) (x^2 - x + 1) (2 x^3 + 2 x^2 - 1)}$$

Sequence: A060022
Score: 10.1561
Type of gen. func.: ogf

$$\frac{x^3 + x - 1}{(x^2 + x + 1) (x + 1) (x - 1)^3}$$

Sequence: A060022
Score: 15.9224
Type of gen. func.: lgdogf

$$- \frac{x (3 x^5 + 4 x^4 + 9 x^3 + 4 x^2 - 2)}{(x - 1) (x + 1) (x^2 + x + 1) (x^3 + x - 1)}$$

Sequence: A060023
Score: 10.0422
Type of gen. func.: lgdogf

$$- \frac{x (6 x^8 + 7 x^7 + 10 x^6 + 17 x^5 + 8 x^4 + 7 x^3 - 2 x^2 - 3 x - 2)}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1) (x^4 + x - 1)}$$

Sequence: A060023
Score: 8.89321
Type of gen. func.: ogf

$$- \frac{x^4 + x - 1}{(x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A060024
Score: 5.93709

Type of gen. func.: ogf

$$\frac{(x^2 - x + 1)(x^3 + x^2 - 1)}{(x^2 + x + 1)(x^4 + x^3 + x^2 + x + 1)(x^2 + 1)(x + 1)^2 (x - 1)^5}$$

Sequence: A060025
Score: 5.22048
Type of gen. func.: ogf

$$-(x^6 + x - 1) \Big/ \left((x^2 - x + 1)(x^4 + x^3 + x^2 + x + 1)(x^2 + 1)(x^2 + x + 1)^2 (x + 1)^3 (x - 1)^6\right)$$

Sequence: A060060
Score: 14.7032
Type of gen. func.: lgdogf

$$-\frac{45 x^2 + 174 x + 61}{(x - 1)(9 x^2 + 26 x + 5)}$$

Sequence: A060060
Score: 5.98427
Type of gen. func.: ogf

$$-\frac{9 x^2 + 26 x + 5}{(x - 1)^7}$$

Sequence: A060061
Score: 7.64582
Type of gen. func.: lgdogf

$$-\frac{1575 x^3 + 10107 x^2 + 9333 x + 1385}{(x - 1)(225 x^3 + 1179 x^2 + 775 x + 61)}$$

Sequence: A060062
Score: 7.07403
Type of gen. func.: lgdogf

$$-\frac{99225 x^4 + 915660 x^3 + 1518966 x^2 + 618828 x + 50521}{(x - 1) (11025 x^4 + 87156 x^3 + 114318 x^2 + 32516 x + 1385)}$$

Sequence: A060069
Score: 5.92836
Type of gen. func.: ogf

$$(f(x) - 1) (-2 x^4 + f(x) - 1)$$

Sequence: A060091
Score: 13.3932
Type of gen. func.: lgdogf

$$-\frac{3 (6 x^3 - 26 x^2 + 39 x - 21)}{(x - 1) (6 x^3 - 24 x^2 + 33 x - 16)}$$

Sequence: A060091
Score: 4.51365
Type of gen. func.: ogf

$$\{-6 a(n) n + (n^2 + 24 n + 11) a(n + 1) + (-n^2 - 13 n + 14) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 16\}$$

Sequence: A060091
Score: 6.91812
Type of gen. func.: ogf

$$-\frac{x^3 (6 x^3 - 24 x^2 + 33 x - 16)}{(x - 1)^6}$$

Sequence: A060093
Score: 3.47592
Type of gen. func.: ogf

$$\frac{x^{4} (24 x^{6} - 180 x^{5} + 570 x^{4} - 980 x^{3} + 970 x^{2} - 528 x + 125)}{(x - 1)^{10}}$$

Sequence: A060093
Score: 5.67124
Type of gen. func.: lgdogf

$$- \frac{2 (48 x^{6} - 378 x^{5} + 1260 x^{4} - 2290 x^{3} + 2410 x^{2} - 1406 x + 361)}{(x - 1) (24 x^{6} - 180 x^{5} + 570 x^{4} - 980 x^{3} + 970 x^{2} - 528 x + 125)}$$

Sequence: A060099
Score: 36.3025
Type of gen. func.: lgdogf

$$- \frac{2 (2 + 5 x)}{(x - 1) (x + 1)}$$

Sequence: A060099
Score: 38.4545
Type of gen. func.: ogf_with_Euler_transform]

$$[4 + 3 x]$$

Sequence: A060099
Score: 5.98022
Type of gen. func.: ogf

$\{(n + 3) a(n + 3) - 4 a(n + 2) + (-11 - n) a(n + 1), a(0) = 1, a(1) = 4,$

$a(2) = 13\}$

Sequence: A060099

Score: 8.84033
Type of gen. func.: ogf

$$-\frac{1}{(x+1)^3 (x-1)^7}$$

Sequence: A060100
Score: 26.6177
Type of gen. func.: lgdogf

$$-\frac{5 + 13 x}{(x - 1) (x + 1)}$$

Sequence: A060100
Score: 36.7749
Type of gen. func.: ogf_with_Euler_transform]

[5 + 4 x]

Sequence: A060100
Score: 5.72516
Type of gen. func.: ogf

{(n + 3) a(n + 3) - 5 a(n + 2) + (-14 - n) a(n + 1), a(0) = 1, a(1) = 5,

a(2) = 19}

Sequence: A060100
Score: 5.94368
Type of gen. func.: ogf

$$-\frac{1}{(x+1)^4 (x-1)^9}$$

Sequence: A060101
Score: 26.3547
Type of gen. func.: lgdogf

$$-\frac{2 (3 + 8 x)}{}$$

$$(x - 1) (x + 1)$$

Sequence: A060101
Score: 36.8029
Type of gen. func.: ogf_with_Euler_transform]

$$[6 + 5 x]$$

Sequence: A060101
Score: 5.06313
Type of gen. func.: ogf

$$- \frac{1}{(x + 1)^{5} (x - 1)^{11}}$$

Sequence: A060101
Score: 5.73325
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) - 6 a(n + 2) + (-17 - n) a(n + 1), a(0) = 1, a(1) = 6, a(2) = 26\}$$

Sequence: A060103
Score: 16.1884
Type of gen. func.: lgdogf

$$- \frac{5 x^{2} + 38 x + 13}{(x - 1) (x^{2} + 6 x + 1)}$$

Sequence: A060103
Score: 5.81020
Type of gen. func.: ogf

$$- \frac{x^{2} + 6 x + 1}{(x - 1)^{7}}$$

Sequence: A060104
Score: 13.7158
Type of gen. func.: lgdogf

$$-\frac{35 x^2 + 90 x + 19}{(x - 1) (5 x^2 + 10 x + 1)}$$

Sequence: A060104
Score: 4.52468
Type of gen. func.: ogf

$$-\frac{5 x^2 + 10 x + 1}{(x - 1)^9}$$

Sequence: A060105
Score: 15.1948
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^3 + 69 x^2 + 90 x + 13)}{(x - 1) (x + 1) (x^2 + 14 x + 1)}$$

Sequence: A060105
Score: 4.17876
Type of gen. func.: ogf

$$\{(2 n^2 + 37 n + 171) a(n + 1) + (-4 n^2 - 48 n - 106) a(n + 2)$$
$$+ (2 n^2 + 11 n + 15) a(n + 3), a(0) = 1, a(1) = 26, a(2) = 246\}$$

Sequence: A060105
Score: 5.05275
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 + 14 x + 1)}{}$$

$$(x - 1)^{11}$$

Sequence: A060106
Score: 10.0022
Type of gen. func.: ogf

$$\frac{x^5 + 2 x^4 + 3 x^3 + 2 x^2 + 3 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A060106
Score: 7.31298
Type of gen. func.: lgdogf

$$- \frac{x^9 + 5 x^8 + 12 x^7 + 14 x^6 + 23 x^5 + 21 x^4 + 17 x^3 + 15 x^2 + 8 x + 4}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (x^5 + 2 x^4 + 3 x^3 + 2 x^2 + 3 x + 1)}$$

Sequence: A060107
Score: 9.09153
Type of gen. func.: ogf

$$\frac{x (2 x^6 + 2 x^5 + x^4 + 2 x^3 + 2 x^2 + x + 2)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A060150
Score: 5.91262
Type of gen. func.: ogf

$$\{(16 n^2 + 16 n + 4) a(n) + (-n^2 - 2 n - 1) a(n + 1), a(0) = 1, a(1) = 1\}$$

Sequence: A060153
Score: 2.36657
Type of gen. func.: ogf

$$-f(x) (2 f(x) x^2 - 3 f(x) x + x^2 + f(x) - 2 x)$$

Sequence: A060153
Score: 4.10527
Type of gen. func.: ogf

$$- \frac{x (x - 2)}{(2 x - 1) (x - 1)}$$

Sequence: A060153
Score: 5.50452
Type of gen. func.: lgdogf

$$- \frac{2 x^2 - 8 x + 5}{(x - 1) (x - 2) (2 x - 1)}$$

Sequence: A060157
Score: 10.2883
Type of gen. func.: lgdogf

$$- \frac{108 x^3 - 216 x^2 + 141 x - 29}{(6 x - 5) (x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A060157
Score: 4.19417
Type of gen. func.: ogf

$$-(6292063 f(x) - 140523912)$$

$$(6 f(x) x^4 - 17 f(x) x^3 + 17 f(x) x^2 - 7 f(x) x + 12 x^2 + f(x) - 10 x)$$

Sequence: A060157
Score: 8.93539
Type of gen. func.: ogf

$$- \frac{2 x (6 x - 5)}{(3 x - 1) (2 x - 1) (x - 1)^2}$$

Sequence: A060158
Score: 7.18244
Type of gen. func.: ogf

$$\frac{4 x^{5} (24 x^{2} - 29 x + 8)}{(4 x - 1) (3 x - 1) (2 x - 1)^{2} (x - 1)^{2}}$$

Sequence: A060160
Score: 4.72092
Type of gen. func.: ogf

$$(18005 f(x) + 36438) (8 f(x) x^{4} - 8 f(x) x^{3} - 4 f(x) x^{2} + 16 x^{3} + 5 f(x) x - 28 x^{2} - f(x) + 6 x + 1)$$

Sequence: A060160
Score: 6.80943
Type of gen. func.: lgdogf

$$- \frac{128 x^{6} - 448 x^{5} + 432 x^{4} - 224 x^{3} + 140 x^{2} - 64 x + 11}{(x - 1) (2 x - 1) (4 x^{2} + 2 x - 1) (16 x^{3} - 28 x^{2} + 6 x + 1)}$$

Sequence: A060160
Score: 8.78449
Type of gen. func.: ogf

$$- \frac{16 x^{3} - 28 x^{2} + 6 x + 1}{(2 x - 1) (x - 1) (4 x^{2} + 2 x - 1)}$$

Sequence: A060161
Score: 10.0808
Type of gen. func.: ogf

$$- \frac{4 x^{3} - 7 x^{2} + x + 1}{}$$

$$(2x-1)(x-1)(x^2+x-1)$$

Sequence: A060161
Score: 5.42814
Type of gen. func.: ogf

$$-(5 f(x) + 108)$$

$$(2 f(x) x^4 - f(x) x^3 - 4 f(x) x^2 + 4 x^3 + 4 f(x) x - 7 x^2 - f(x) + x + 1)$$

Sequence: A060161
Score: 8.96752
Type of gen. func.: lgdogf

$$-\frac{8x^6 - 28x^5 + 29x^4 - 26x^3 + 33x^2 - 22x + 5}{(x-1)(2x-1)(x^2+x-1)(4x^3-7x^2+x+1)}$$

Sequence: A060163
Score: 10.8121
Type of gen. func.: ogf

$$\frac{x(4x^2-5x+2)}{(x-1)^4}$$

Sequence: A060163
Score: 22.8744
Type of gen. func.: lgdogf

$$-\frac{8x^2-7x+3}{(x-1)(4x^2-5x+2)}$$

Sequence: A060163
Score: 4.00650
Type of gen. func.: ogf

```
{(2 n + 6) a(n + 4) + (-17 - 7 n) a(n + 3) + (16 + 9 n) a(n + 2)

     + (-8 - 4 n) a(n + 1), a(0) = 0, a(1) = 2, a(2) = 3, a(3) = 4}



------------------------------------------------------------------------------

Sequence:  A060163
Score: 5.76117
Type of gen. func.: ogf


-(2 f(x) + 3)

           4           3           2      3                 2
    (f(x) x  - 4 f(x) x  + 6 f(x) x  - 4 x  - 4 f(x) x + 5 x  + f(x) - 2 x)



------------------------------------------------------------------------------

Sequence:  A060182
Score: 11.4567
Type of gen. func.: lgdogf


                             4      3      2
                          2 x  - 6 x  + 7 x  + 4 x - 5
                     --------------------------------------
                                                 2
                     (x - 1) (2 x - 1) (x + 1) (x  - x - 1)



------------------------------------------------------------------------------

Sequence:  A060182
Score: 12.5780
Type of gen. func.: ogf


                                         2
                               (x + 1) (x  - x - 1)
                             - --------------------
                                (2 x - 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A060182
Score: 5.74685
Type of gen. func.: ogf


 {a(n + 4) - 3 a(n + 3) + 2 a(n + 2), a(0) = 1, a(1) = 5, a(2) = 13, a(3) = 28}



------------------------------------------------------------------------------

Sequence:  A060182
Score: 6.80239
Type of gen. func.: ogf


                                    2    3
         (227 f(x) - 2315) (2 f(x) x  + x  - 3 f(x) x + f(x) - 2 x - 1)
```

Sequence: A060183
Score: 3.03645
Type of gen. func.: ogf

$$(212054841 f(x) - 289075889)$$

$$(100 f(x) x^3 - 201 f(x) x^2 + 102 f(x) x + 129 x^2 - f(x) - 94 x + 1)$$

Sequence: A060183
Score: 3.44131
Type of gen. func.: ogf

{a(n + 3) - 102 a(n + 2) + 201 a(n + 1) - 100 a(n), a(0) = 1, a(1) = 8,

a(2) = 744}

Sequence: A060183
Score: 5.89939
Type of gen. func.: ogf

$$- \frac{129 x^2 - 94 x + 1}{(100 x - 1) (x - 1)^2}$$

Sequence: A060183
Score: 6.29214
Type of gen. func.: lgdogf

$$- \frac{4 (3225 x^3 - 1475 x^2 + 34 x - 2)}{(x - 1) (100 x - 1) (129 x^2 - 94 x + 1)}$$

Sequence: A060188
Score: 11.8431
Type of gen. func.: ogf

$$- \frac{x + 1}{(3 x - 1) (x - 1)^2}$$

Sequence: A060188
Score: 16.1791
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^{2}+4\,x-3)}{(x-1)\,(3\,x-1)\,(x+1)}$$

Sequence: A060188
Score: 5.55471
Type of gen. func.: ogf

$$\{a(n+3)-5\,a(n+2)+7\,a(n+1)-3\,a(n),\ a(0)=1,\ a(1)=6,\ a(2)=23\}$$

Sequence: A060188
Score: 5.70619
Type of gen. func.: ogf

$$(11668\,f(x)-8529)\,(3\,f(x)\,x^{3}-7\,f(x)\,x^{2}+5\,f(x)\,x-f(x)+x+1)$$

Sequence: A060189
Score: 5.55518
Type of gen. func.: ogf

$$-\frac{9\,x^{3}+17\,x^{2}-9\,x-1}{(5\,x-1)\,(3\,x-1)^{2}\,(x-1)^{3}}$$

Sequence: A060189
Score: 6.43910
Type of gen. func.: lgdogf

$$-\frac{405\,x^{5}+921\,x^{4}-1370\,x^{3}+382\,x^{2}+69\,x-23}{(x-1)\,(3\,x-1)\,(5\,x-1)\,(9\,x^{3}+17\,x^{2}-9\,x-1)}$$

Sequence: A060195

Score: 11.9221
Type of gen. func.: revogf

$$-\frac{-24 x - 1 + (64 x^2 + 48 x + 1)^{1/2}}{256 x}$$

Sequence: A060195
Score: 13.5549
Type of gen. func.: ogf

$$\frac{1}{(16 x - 1) (8 x - 1)}$$

Sequence: A060195
Score: 15.3834
Type of gen. func.: lgdogf

$$-\frac{8 (-3 + 32 x)}{(16 x - 1) (8 x - 1)}$$

Sequence: A060195
Score: 5.67414
Type of gen. func.: ogf

$$(31 f(x) + 50) (128 f(x) x^2 - 24 f(x) x + f(x) - 1)$$

Sequence: A060195
Score: 5.67414
Type of gen. func.: ogf

$$\{-a(n + 2) + 24 a(n + 1) - 128 a(n), a(0) = 1, a(1) = 24\}$$

Sequence: A060197
Score: 11.5795
Type of gen. func.: lgdogf

```
    30       29      10       9      4      3    2
29 x   - 30 x   + 9 x   - 10 x  + 3 x  - 4 x  + x  - 2 x - 3
------------------------------------------------------------
                     30     10     4     2
```

$$(x - 1) (x + x + x + x + x + 2)$$

Sequence: A060197
Score: 13.9619
Type of gen. func.: ogf

$$-\frac{x^{30} + x^{10} + x^4 + x^2 + x + 2}{x - 1}$$

Sequence: A060242
Score: 4.80263
Type of gen. func.: ogf

$$-(7595 f(x) - 55983)$$

$$(64 f(x) x^4 - 120 f(x) x^3 + 70 f(x) x^2 + 24 x^3 - 15 f(x) x + f(x) - 3 x)$$

Sequence: A060242
Score: 6.92117
Type of gen. func.: lgdogf

$$-\frac{1024 x^5 - 960 x^4 - 256 x^3 + 480 x^2 - 156 x + 15}{(x - 1) (8 x - 1) (2 x - 1) (4 x - 1) (8 x^2 - 1)}$$

Sequence: A060242
Score: 8.60745
Type of gen. func.: ogf

$$-\frac{3 x (8 x^2 - 1)}{(x - 1) (8 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A060248
Score: 8.05969
Type of gen. func.: lgdogf

$$\frac{2 (540 x^8 - 1170 x^7 + 630 x^6 + 3 x^4 - 7 x^3 + 3 x^2 - 3 x + 5)}{}$$

$$(x - 1) (180 x^8 - 180 x^7 + 3 x^4 - 2 x^3 + 6 x^2 - 6 x - 2)$$

Sequence: A060248
Score: 9.23427
Type of gen. func.: ogf

$$-\frac{180 x^8 - 180 x^7 + 3 x^4 - 2 x^3 + 6 x^2 - 6 x - 2}{(x - 1)^2}$$

Sequence: A060249
Score: 6.40466
Type of gen. func.: lgdegf]

$$\frac{30 x^7 - 90 x^6 + 90 x^5 - 30 x^4 - x^3 + 3 x^2 - 3 x - 1}{(x - 1) (6 x^7 - 12 x^6 + 6 x^5 - x^3 + 2 x^2 - x + 1)}$$

Sequence: A060249
Score: 6.61848
Type of gen. func.: egf]

$$\frac{6 x^7 - 12 x^6 + 6 x^5 - x^3 + 2 x^2 - x + 1}{(x - 1)^2}$$

Sequence: A060275
Score: 11.2552
Type of gen. func.: ogf

$$-\frac{x^5 - x^4 + x^3 - x^2 + 12 x - 13}{(x - 1)^2}$$

Sequence: A060275
Score: 13.4189
Type of gen. func.: lgdogf

$$\frac{3 x^5 - 7 x^4 + 5 x^3 - 3 x^2 - 10 x + 14}{(x - 1) (x^5 - x^4 + x^3 - x^2 + 12 x - 13)}$$

Sequence: A060285
Score: 15.0921
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^2 - 3 x}{x^2 - 2 x + 1}$$

Sequence: A060296
Score: 16.1877
Type of gen. func.: lgdogf

$$\frac{12 x^5 - 18 x^4 - 8 x^3 + 20 x^2 - 4 x + 1}{(x - 1) (3 x^5 - x^4 - 6 x^3 + 2 x^2 - 1)}$$

Sequence: A060296
Score: 16.6549
Type of gen. func.: ogf

$$\frac{3 x^5 - x^4 - 6 x^3 + 2 x^2 - 1}{x - 1}$$

Sequence: A060300
Score: 20.1946
Type of gen. func.: lgdogf

$$-\frac{3 (x^2 + 6 x + 3)}{(x - 1) (x^2 + 4 x + 1)}$$

Sequence: A060300

Score: 7.63293
Type of gen. func.: ogf

$$-\frac{16\,x\,(x^2+4\,x+1)}{(x-1)^5}$$

Sequence: A060311
Score: 38.1228
Type of gen. func.: lgdegf]

$$\exp(2\,x)-\exp(x)$$

Sequence: A060312
Score: 6.43821
Type of gen. func.: ogf

$$-\frac{x^7+x^6+x^5+2\,x^4-x^3+x^2-1}{(x^2+x-1)\,(x^4+x^2-1)}$$

Sequence: A060312
Score: 6.60155
Type of gen. func.: lgdogf

$$\frac{x^{12}+2\,x^{11}-6\,x^8-14\,x^7-5\,x^6+5\,x^4+10\,x^3-x^2-2\,x-1}{(x^2+x-1)\,(x^4+x^2-1)\,(x^7+x^6+x^5+2\,x^4-x^3+x^2-1)}$$

Sequence: A060337
Score: 3.29919
Type of gen. func.: ogf

$$-\frac{280\,x^5-300\,x^4-138\,x^3+287\,x^2-117\,x+15}{(x-1)^3\,(2\,x-1)^3\,(4\,x-1)^3}$$

Sequence: A060344

```
Score: 11.0265
Type of gen. func.: ogf


                                4       3       2
                         2 (4 x  - 6 x  - 4 x  - x - 1)
                         ------------------------------
                                    2 x - 1



-------------------------------------------------------------------------------

Sequence:  A060344
Score: 11.1673
Type of gen. func.: lgdogf


                             4       3       2
                         24 x  - 40 x  + 10 x  + 8 x + 3
                     --------------------------------------
                                     4       3       2
                     (2 x - 1) (4 x  - 6 x  - 4 x  - x - 1)



-------------------------------------------------------------------------------

Sequence:  A060344
Score: 6.15893
Type of gen. func.: ogf


 {-a(n + 5) + 2 a(n + 4), a(0) = 2, a(1) = 6, a(2) = 20, a(3) = 52, a(4) = 96}



-------------------------------------------------------------------------------

Sequence:  A060344
Score: 6.76872
Type of gen. func.: ogf


                                4       3                   2
    (12094 f(x) + 228633) (-8 x  + 12 x  + 2 f(x) x + 8 x  - f(x) + 2 x + 2)



-------------------------------------------------------------------------------

Sequence:  A060352
Score: 11.0630
Type of gen. func.: lgdogf


                                 3      2
                             27 x  - 9 x  - 27 x + 17
                      - ------------------------------------
                         (x - 1) (3 x - 1) (1 + 3 x) (3 x - 2)



-------------------------------------------------------------------------------

Sequence:  A060352
Score: 4.86894
Type of gen. func.: ogf


-(8476 f(x) - 32001)
```

$$(9 f(x) x^3 - 15 f(x) x^2 + 7 f(x) x - 9 x^2 - f(x) + 3 x + 2)$$

Sequence: A060352
Score: 5.20764
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) - 15 a(n + 1) + 9 a(n), a(0) = 2, a(1) = 17, a(2) = 80\}$$

Sequence: A060352
Score: 9.65934
Type of gen. func.: ogf

$$\frac{(1 + 3 x) (3 x - 2)}{(x - 1) (3 x - 1)^2}$$

Sequence: A060354
Score: 10.2402
Type of gen. func.: ogf

$$\frac{x (4 x^2 - 2 x + 1)}{(x - 1)^4}$$

Sequence: A060354
Score: 21.6565
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^2 + x + 1)}{(x - 1) (4 x^2 - 2 x + 1)}$$

Sequence: A060354
Score: 3.83351
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-8 - 3 n) a(n + 3) + (4 + 6 n) a(n + 2)$$

$$+ (-8 - 4 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 6\}$$

```
-------------------------------------------------------------------------------

Sequence:  A060354
Score: 5.37794
Type of gen. func.: ogf


-(18 f(x) + 13)

           4           3           2      3                 2
    (f(x) x  - 4 f(x) x  + 6 f(x) x  - 4 x  - 4 f(x) x + 2 x  + f(x) - x)



-------------------------------------------------------------------------------

Sequence:  A060365
Score: 22.2988
Type of gen. func.: revegf]


                             1/1000 ln(1 + 1000 x)



-------------------------------------------------------------------------------

Sequence:  A060365
Score: 24.9222
Type of gen. func.: lgdogf


                                      1000
                                 - -----------
                                   -1 + 1000 x



-------------------------------------------------------------------------------

Sequence:  A060365
Score: 9.21034
Type of gen. func.: ogf


                           -1000 f(x) x + f(x) - 1000



-------------------------------------------------------------------------------

Sequence:  A060366
Score: 10.3545
Type of gen. func.: ogf


                            -1000 f(x) x + f(x) - 1



-------------------------------------------------------------------------------

Sequence:  A060366
Score: 18.9834
Type of gen. func.: ogf
```

$$- \frac{}{-1 + 1000 x}$$

Sequence: A060366
Score: 23.4742
Type of gen. func.: revegf]

$$1/1000 \ln(1 + 1000 x)$$

Sequence: A060366
Score: 26.2358
Type of gen. func.: lgdogf

$$- \frac{1000}{-1 + 1000 x}$$

Sequence: A060366
Score: 8.28365
Type of gen. func.: ogf

$$\{a(n + 1) - 1000 a(n), a(0) = 1\}$$

Sequence: A060376
Score: 4.40598
Type of gen. func.: ogf

$$(8589934593 x^{34} - 8589934593 x^{33} + 262145 x^{19} - 262145 x^{18} + 513 x^{10} - 513 x^{9} + 129 x^{8} - 64 x^{7} - 32 x^{6} - 16 x^{5} - 8 x^{4} - 4 x^{3} - 2 x^{2} - x - 1)/(x - 1)$$

Sequence: A060384
Score: 7.75643
Type of gen. func.: ogf

$$- (x^{41} - x^{40} - x^{26} + x^{24} - x^{21} - x^{17} - x^{12} - x^{7} - 1) \Big/ ((x + 1) (x^{2} + 1) (x^{4} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x^{8} - x^{4} + 1) (x - 1)^{2})$$

Sequence: A060386
Score: 6.14812
Type of gen. func.: ogf

$$-\frac{19 x^9 + 83 x^8 + 7 x^7 + 61 x^6 + 5 x^5 + 41 x^4 + 3 x^3 + 2 x^2 + 11 x + 101}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A060405
Score: 11.3188
Type of gen. func.: ogf

$$-\frac{x^2 + 4 x - 2}{(x^2 + x - 1) (x^2 + 2 x - 1)}$$

Sequence: A060405
Score: 6.11012
Type of gen. func.: ogf

$$(50 f(x) + 37) (f(x) x^4 + 3 f(x) x^3 - 3 f(x) x + x^2 + f(x) + 4 x - 2)$$

Sequence: A060405
Score: 9.66913
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 15 x^4 + 16 x^3 - 15 x^2 - 2 x + 2}{(x^2 + 4 x - 2) (x^2 + x - 1) (x^2 + 2 x - 1)}$$

Sequence: A060416
Score: 4.42222
Type of gen. func.: ogf

$\{-a(n + 4) + 9 a(n + 3) - 24 a(n + 2) + 16 a(n + 1), a(0) = 1, a(1) = 3,$

$a(2) = 31, a(3) = 191\}$

Sequence: A060416
Score: 4.52123
Type of gen. func.: ogf

$$-(7758 f(x) - 40447)$$

$$(16 f(x) x^3 - 24 f(x) x^2 - 32 x^3 + 9 f(x) x + 28 x^2 - f(x) - 6 x + 1)$$

Sequence: A060416
Score: 8.29923
Type of gen. func.: ogf

$$\frac{32 x^3 - 28 x^2 + 6 x - 1}{(x - 1) (4 x - 1)^2}$$

Sequence: A060416
Score: 9.89133
Type of gen. func.: lgdogf

$$- \frac{80 x^3 - 76 x^2 + 20 x + 3}{(x - 1) (4 x - 1) (32 x^3 - 28 x^2 + 6 x - 1)}$$

Sequence: A060422
Score: 13.0407
Type of gen. func.: lgdogf

$$- \frac{2 x (5 x^2 - 2 x + 5)}{(x - 1) (x + 1) (2 x^2 - x + 1)}$$

Sequence: A060422
Score: 5.55197
Type of gen. func.: ogf

$$\frac{x^3 (2 x^2 - x + 1)}{(x + 1)^3 (x - 1)^4}$$

Sequence: A060423
Score: 23.4619
Type of gen. func.: lgdogf

$$-\frac{6\,(x^2+6\,x+1)}{(x+5)\,(x-1)\,(x+1)}$$

Sequence: A060423
Score: 3.87010
Type of gen. func.: ogf

$$\{(-n^2-5\,n-6)\,a(n+1)+(-n-3)\,a(n+2)+(n^2-4)\,a(n+3),\ a(0)=0,\ a(1)=0,\ a(2)=0,\ a(3)=0,\ a(4)=0,\ a(5)=5\}$$

Sequence: A060423
Score: 8.03149
Type of gen. func.: ogf

$$\frac{x^5\,(x+5)}{(x+1)^3\,(x-1)^4}$$

Sequence: A060432
Score: 22.8378
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3+2\,x}{-x-1}$$

Sequence: A060446
Score: 11.1021
Type of gen. func.: lgdogf

$$-\frac{2\,(x^4+5\,x^3+15\,x^2+11\,x+4)}{(x-1)\,(x^4+2\,x^3+6\,x^2+2\,x+1)}$$

Sequence: A060446
Score: 6.16131
Type of gen. func.: ogf

$$\frac{x (x^4 + 2 x^3 + 6 x^2 + 2 x + 1)}{(x - 1)^6}$$

Sequence: A060452
Score: 6.62034
Type of gen. func.: ogf

$$- \frac{x (x^8 + 5 x^7 + 26 x^6 + 39 x^5 + 66 x^4 + 39 x^3 + 26 x^2 + 5 x + 1)}{(x + 1)^6 (x - 1)^7}$$

Sequence: A060453
Score: 6.26233
Type of gen. func.: ogf

$$\frac{2 x (2 x^4 + 5 x^3 + 10 x^2 + 5 x + 2)}{(x + 1)^3 (x - 1)^6}$$

Sequence: A060453
Score: 9.29677
Type of gen. func.: lgdogf

$$- \frac{10 x^5 + 36 x^4 + 93 x^3 + 85 x^2 + 53 x + 11}{(x - 1) (x + 1) (2 x^4 + 5 x^3 + 10 x^2 + 5 x + 2)}$$

Sequence: A060455
Score: 6.04164
Type of gen. func.: ogf

$$5 x^6 + 4 x^5 + 3 x^4 + 2 x^3 + x^2 - 1$$

$$\overline{x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A060458
Score: 15.0942
Type of gen. func.: revogf

$$-\frac{-2 - 3 x + 2 (x^2 + 3 x + 1)^{1/2}}{10 x}$$

Sequence: A060458
Score: 15.8557
Type of gen. func.: ogf

$$\frac{8}{(10 x - 1) (2 x - 1)}$$

Sequence: A060458
Score: 18.1130
Type of gen. func.: lgdogf

$$-\frac{4 (-3 + 10 x)}{(10 x - 1) (2 x - 1)}$$

Sequence: A060458
Score: 6.30627
Type of gen. func.: ogf

$$(781 f(x) + 4120) (20 f(x) x^2 - 12 f(x) x + f(x) - 8)$$

Sequence: A060458
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 20 a(n), a(0) = 8, a(1) = 96\}$$

Sequence: A060459
Score: 10.6199
Type of gen. func.: lgdogf

$$-\frac{3\,(x^4+28\,x^3+100\,x^2+72\,x+9)}{(x-1)\,(x^4+20\,x^3+48\,x^2+20\,x+1)}$$

Sequence: A060459
Score: 5.51986
Type of gen. func.: ogf

$$-\frac{8\,x\,(x^4+20\,x^3+48\,x^2+20\,x+1)}{(x-1)^7}$$

Sequence: A060460
Score: 10.5697
Type of gen. func.: lgdogf

$$-\frac{2\,(5\,x^3-40\,x^2+25\,x-6)}{(x-1)\,(5\,x-1)\,(2\,x^2-9\,x+3)}$$

Sequence: A060460
Score: 4.54262
Type of gen. func.: ogf

$-(332816\,f(x)+342103)$

$(5\,f(x)\,x^3-11\,f(x)\,x^2+7\,f(x)\,x+2\,x^2-f(x)-9\,x+3)$

Sequence: A060460
Score: 4.97713
Type of gen. func.: ogf

$\{a(n+3)-7\,a(n+2)+11\,a(n+1)-5\,a(n),\ a(0)=3,\ a(1)=12,\ a(2)=53\}$

Sequence: A060460

Score: 9.23177
Type of gen. func.: ogf

$$-\frac{2x^2-9x+3}{(5x-1)(x-1)^2}$$

Sequence: A060464
Score: 6.75779
Type of gen. func.: lgdogf

$$-2(x^{12}+2x^{11}+3x^{10}+9x^9+6x^8+7x^7+8x^6+7x^5+6x^4+5x^3+6x^2+2x+1) / ((x-1)(x^3+x^2+1)(x^3+x+1)(x^6+x^5+x^4+x^3+x^2+x+1))$$

Sequence: A060464
Score: 9.25877
Type of gen. func.: ogf

$$\frac{x(x^3+x^2+1)(x^3+x+1)}{(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A060469
Score: 7.30992
Type of gen. func.: ogf

$$\frac{2x^{10}+x^8+x^7+2x^6+x^5+x^4+x^3+x^2+x+1}{(x^2+1)(x+1)(x-1)^2}$$

Sequence: A060470
Score: 8.33519
Type of gen. func.: ogf

$$\frac{2x^{12}+x^9+x^8+x^7+x^6+x^2+x+1}{}$$

$$(x^2 + x + 1) (x - 1)^2$$

Sequence: A060471
Score: 7.18352
Type of gen. func.: ogf

$$\frac{2 x^{16} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^3 + x^2 + x + 1}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A060482
Score: 10.8716
Type of gen. func.: lgdogf

$$\frac{4 x^6 - 8 x^5 - 4 x^4 + 4 x^3 - 3 x^2 + 2 x + 2}{(x - 1) (2 x^2 - 1) (2 x^4 - x^2 + x + 1)}$$

Sequence: A060482
Score: 11.0869
Type of gen. func.: ogf

$$\frac{2 x^4 - x^2 + x + 1}{(x - 1) (2 x^2 - 1)}$$

Sequence: A060482
Score: 5.31247
Type of gen. func.: ogf

$\{a(n + 4) - a(n + 3) - 2 a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 3,$

$a(3) = 5, a(4) = 9\}$

Sequence: A060482
Score: 6.37497
Type of gen. func.: ogf

3   4   2   2

$(7 f(x) + 11) (2 f(x) x - 2 x - 2 f(x) x - f(x) x + x + f(x) - x - 1)$

Sequence: A060483
Score: 10.5758
Type of gen. func.: ogf

$$\frac{3 (2 x + 1)}{(x - 1) (4 x - 1) (2 x - 1) (10 x - 1)}$$

Sequence: A060483
Score: 4.98575
Type of gen. func.: ogf

$(77604567 f(x) + 29453200)$

$$(80 f(x) x^4 - 148 f(x) x^3 + 84 f(x) x^2 - 17 f(x) x + f(x) - 6 x - 3)$$

Sequence: A060483
Score: 8.90938
Type of gen. func.: lgdogf

$$- \frac{480 x^4 - 272 x^3 - 276 x^2 + 168 x - 19}{(x - 1) (4 x - 1) (2 x + 1) (2 x - 1) (10 x - 1)}$$

Sequence: A060484
Score: 4.73253
Type of gen. func.: ogf

$$- \frac{800 x^3 + 448 x^2 - 50 x - 1}{(x - 1) (4 x - 1) (20 x - 1) (2 x - 1) (8 x - 1) (10 x - 1)}$$

Sequence: A060488
Score: 13.6041
Type of gen. func.: ogf

$$- \frac{3 x - 4}{(x - 1)^4}$$

Sequence: A060488
Score: 33.9427
Type of gen. func.: lgdogf

$$-\frac{-13 + 9x}{(x - 1)(3x - 4)}$$

Sequence: A060488
Score: 5.35388
Type of gen. func.: ogf

$$\{(4n + 12)\,a(n + 3) + (-27 - 7n)\,a(n + 2) + (3n + 12)\,a(n + 1),\ a(0) = 4,\ a(1) = 13,\ a(2) = 28\}$$

Sequence: A060488
Score: 6.63882
Type of gen. func.: ogf

$$(64 f(x) + 3235)\,(f(x)\,x^4 - 4 f(x)\,x^3 + 6 f(x)\,x^2 - 4 f(x)\,x + f(x) + 3x - 4)$$

Sequence: A060489
Score: 3.84832
Type of gen. func.: ogf

$$\frac{9x^7 - 50x^6 + 90x^5 - 225x^3 + 342x^2 - 225x + 60}{(x - 1)^{10}}$$

Sequence: A060489
Score: 5.67458
Type of gen. func.: lgdogf

$$-\frac{27x^7 - 137x^6 + 150x^5 + 450x^4 - 1575x^3 + 2061x^2 - 1341x + 375}{(x - 1)(9x^7 - 50x^6 + 90x^5 - 225x^3 + 342x^2 - 225x + 60)}$$

Sequence: A060493
Score: 12.4715
Type of gen. func.: lgdogf

$$-\frac{16 x^3 + 117 x^2 + 126 x + 21}{(x - 1) (4 x^3 + 21 x^2 + 14 x + 1)}$$

Sequence: A060493
Score: 3.61542
Type of gen. func.: ogf

$$\{(-72 n^2 - 684 n - 1620) a(n + 1) + (74 n^2 + 277 n + 321) a(n + 2) + (-2 n^2 - 13 n - 21) a(n + 3), a(0) = 1, a(1) = 21, a(2) = 147\}$$

Sequence: A060493
Score: 6.41990
Type of gen. func.: ogf

$$-\frac{4 x^3 + 21 x^2 + 14 x + 1}{(x - 1)^7}$$

Sequence: A060521
Score: 10.6943
Type of gen. func.: lgdogf

$$-\frac{x^6 - 7 x^4 + 17 x^2 + 10 x + 6}{(x^3 - 4 x - 1) (x^4 - 5 x^2 - 2 x + 1)}$$

Sequence: A060521
Score: 5.22582
Type of gen. func.: ogf

$$(721 f(x) - 2643) (f(x) x^4 - 5 f(x) x^2 + 6 x^3 - 2 f(x) x + f(x) - 24 x - 6)$$

Sequence: A060521
Score: 9.86163
Type of gen. func.: ogf

$$-\frac{6\,(x^3-4\,x-1)}{x^4-5\,x^2-2\,x+1}$$

Sequence: A060531
Score: 13.0103
Type of gen. func.: lgdogf

$$-\frac{720\,x^2-160\,x+9}{(9\,x-1)\,(8\,x-1)\,(10\,x-1)}$$

Sequence: A060531
Score: 14.3447
Type of gen. func.: revogf

$$-\frac{-18\,x-1+(4\,x^2+1)^{1/2}}{2\,(80\,x+9)}$$

Sequence: A060531
Score: 15.2226
Type of gen. func.: ogf

$$-\frac{9\,x-1}{(10\,x-1)\,(8\,x-1)}$$

Sequence: A060531
Score: 7.77677
Type of gen. func.: ogf

$$-(2\,f(x)+79)\,(80\,f(x)\,x^2-18\,f(x)\,x+f(x)+9\,x-1)$$

Sequence: A060531

Score: 8.51740
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1) + 80 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A060532
Score: 4.75543
Type of gen. func.: ogf

$$\frac{x (2 x^5 + 101 x^4 + 164 x^3 + 82 x^2 + 10 x + 1)}{(x - 1)^8}$$

Sequence: A060532
Score: 7.99844
Type of gen. func.: lgdogf

$$- \frac{6 (x^5 + 69 x^4 + 204 x^3 + 164 x^2 + 39 x + 3)}{(x - 1) (2 x^5 + 101 x^4 + 164 x^3 + 82 x^2 + 10 x + 1)}$$

Sequence: A060533
Score: 5.81254
Type of gen. func.: lgdogf

$$\frac{3 (x^2 - x + 1) (4 x^5 - 10 x^4 + 4 x^3 + 5 x^2 - 3 x + 1)}{(x - 1) (3 x^7 - 7 x^6 + 6 x^5 + 3 x^4 - 11 x^3 + 6 x^2 - 1)}$$

Sequence: A060533
Score: 8.26468
Type of gen. func.: ogf

$$\frac{3 x^7 - 7 x^6 + 6 x^5 + 3 x^4 - 11 x^3 + 6 x^2 - 1}{(x - 1)^3}$$

Sequence: A060534

Score: 4.48223
Type of gen. func.: ogf

$$-\left(4 x^{12} - 12 x^{11} + 6 x^{10} + 50 x^{9} - 180 x^{8} + 282 x^{7} - 208 x^{6} + 30 x^{5} + 72 x^{4} - 62 x^{3} + 18 x^{2} - 1\right) / (x - 1)^{6}$$

Sequence: A060541
Score: 12.8989
Type of gen. func.: lgdogf

$$-\frac{10 (7 x + 1) (x + 7) (x + 1)}{(x - 1) (35 x^{3} + 155 x^{2} + 65 x + 1)}$$

Sequence: A060541
Score: 3.55738
Type of gen. func.: ogf

$$\{(-124 n^{2} - 721 n - 1047) a(n + 1) + (168 n^{2} + 630 n + 1218) a(n + 2) + (-44 n^{2} - 229 n - 291) a(n + 3), a(0) = 1, a(1) = 70, a(2) = 495\}$$

Sequence: A060541
Score: 7.66204
Type of gen. func.: ogf

$$-\frac{35 x^{3} + 155 x^{2} + 65 x + 1}{(x - 1)^{5}}$$

Sequence: A060542
Score: 4.11487
Type of gen. func.: ogf

$$\{(27 n^{2} + 135 n + 168) a(n + 1) + (-n^{2} - 6 n - 9) a(n + 2), a(0) = 1, a(1) = 15\}$$

Sequence: A060544
Score: 13.3061
Type of gen. func.: ogf

$$-\frac{x^2 + 7 x + 1}{(x - 1)^3}$$

Sequence: A060544
Score: 24.8862
Type of gen. func.: lgdogf

$$-\frac{x^2 + 16 x + 10}{(x - 1) (x^2 + 7 x + 1)}$$

Sequence: A060544
Score: 7.11993
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 10, a(2) = 28\}$$

Sequence: A060544
Score: 7.18294
Type of gen. func.: ogf

$$(11 f(x) - 50) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 7 x + 1)$$

Sequence: A060546
Score: 12.0890
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n), a(0) = 2, a(1) = 2\}$$

Sequence: A060546
Score: 12.4776
Type of gen. func.: ogf

$$-f(x) (2 f(x) x^2 - f(x) + 2 x + 1)$$

Sequence: A060546
Score: 18.5060
Type of gen. func.: revegf]

$$-1/2 2^{1/2} (\ln(1 + 2^{1/2}) - \operatorname{arcsinh}(x + 1))$$

Sequence: A060546
Score: 18.8707
Type of gen. func.: ogf

$$-\frac{2 (x + 1)}{2 x^2 - 1}$$

Sequence: A060546
Score: 24.4757
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 4 x + 1}{(x + 1) (2 x^2 - 1)}$$

Sequence: A060547
Score: 10.2928
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n), a(0) = 2, a(1) = 1, a(2) = 2\}$$

Sequence: A060547
Score: 10.4301
Type of gen. func.: ogf

$$(f(x) - 2) (2 f(x) x^3 + 2 x^2 - f(x) + x + 2)$$

Sequence: A060547
Score: 15.6467
Type of gen. func.: lgdogf

$$-\frac{4x^4+4x^3+12x^2+4x+1}{(2x^2+x+2)(2x^3-1)}$$

Sequence: A060547
Score: 15.9644
Type of gen. func.: ogf

$$-\frac{2x^2+x+2}{2x^3-1}$$

Sequence: A060548
Score: 11.7483
Type of gen. func.: ogf

$$-\frac{2x^5+2x^4+2x^3+2x^2+x+2}{2x^6-1}$$

Sequence: A060548
Score: 7.78755
Type of gen. func.: lgdogf

$$-(4x^{10}+8x^9+12x^8+16x^7+10x^6+24x^5+10x^4+8x^3+6x^2+4x+1) \Big/ ((2x^5+2x^4+2x^3+2x^2+x+2)(2x^6-1))$$

Sequence: A060549
Score: 6.37603
Type of gen. func.: lgdogf

$$-2(16x^{11}+20x^{10}-4x^9+22x^8+16x^7-10x^6-2x^5+2x^4-4x^3-5x^2-2x-1) \Big/ ((2x^2-1)(2x^6-1)(2x^4+2x^3+2x+1))$$

/

Sequence: A060549
Score: 9.99948
Type of gen. func.: ogf

$$\frac{x\,(2x^4+2x^3+2x+1)}{(2x^2-1)\,(2x^6-1)}$$

Sequence: A060550
Score: 10.0212
Type of gen. func.: ogf

$$\frac{x^3\,(x^2+x+1)\,(x^2-x+1)}{(2x^3-1)\,(2x^6-1)}$$

Sequence: A060550
Score: 6.83689
Type of gen. func.: lgdogf

$$-2x\,(10x^{11}+14x^9-2x^8+18x^7-4x^6+x^5-6x^4-x^3-2x^2-3x-1)\Bigg/\left((2x^3-1)\,(2x^6-1)\,(x^2-x+1)\,(x^2+x+1)\right)$$

Sequence: A060551
Score: 4.64746
Type of gen. func.: ogf

$$-\frac{6x^3\,(2x^6+2x^5-x^4+2x^3-x^2-1)}{(2x-1)\,(2x^2-1)\,(2x^3-1)\,(2x^6-1)}$$

Sequence: A060552
Score: 3.73076
Type of gen. func.: ogf

$$-\frac{x^3 (2 x^6 + 2 x^5 - x^4 + 2 x^3 - x^2 - 1)}{(2 x - 1) (2 x^2 - 1) (2 x^3 - 1) (2 x^6 - 1)}$$

Sequence: A060553
Score: 7.24117
Type of gen. func.: ogf

$$-\frac{2 (4 x^5 + x^4 - x^3 - 2 x^2 - x + 1)}{(2 x^3 - 1) (2 x - 1) (2 x^2 - 1)}$$

Sequence: A060554
Score: 5.39450
Type of gen. func.: lgdogf

$$441 - 1260 x + 900 x^2 + (600 x^3 - 1080 x^2 + 522 x - 42) f(x)$$
$$+ (100 x^4 - 220 x^3 + 141 x^2 - 22 x + 1) f(x)^2$$

Sequence: A060555
Score: 5.51437
Type of gen. func.: lgdogf

$$144 - 720 x + 900 x^2 + (600 x^3 - 900 x^2 + 324 x - 24) f(x)$$
$$+ (100 x^4 - 220 x^3 + 141 x^2 - 22 x + 1) f(x)^2$$

Sequence: A060557
Score: 12.1044
Type of gen. func.: lgdogf

$$-\frac{x^3 - 3 x^2 + 7 x - 3}{(x - 1) (x^3 - 6 x^2 + 5 x - 1)}$$

Sequence: A060557
Score: 4.71711
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 6 a(n + 1) - a(n), a(0) = 1, a(1) = 3, a(2) = 10\}$$

Sequence: A060557
Score: 4.75923
Type of gen. func.: ogf

$$(13 f(x) - 2) (f(x) x^3 - 6 f(x) x^2 + 5 f(x) x + x^2 - f(x) - 2 x + 1)$$

Sequence: A060557
Score: 8.73825
Type of gen. func.: ogf

$$- \frac{(x - 1)^2}{x^3 - 6 x^2 + 5 x - 1}$$

Sequence: A060558
Score: 15.7033
Type of gen. func.: lgdogf

$$- \frac{(x + 11) (7 x + 5)}{(x - 1) (x^2 + 10 x + 5)}$$

Sequence: A060558
Score: 4.63242
Type of gen. func.: ogf

$$- \frac{x^2 + 10 x + 5}{(x - 1)^9}$$

Sequence: A060559
Score: 15.1376
Type of gen. func.: lgdogf

$$-\frac{27 x^2 + 106 x + 43}{(x - 1) (x + 3) (1 + 3 x)}$$

Sequence: A060559
Score: 4.08291
Type of gen. func.: ogf

$$-\frac{(x + 3) (1 + 3 x)}{(x - 1)^{11}}$$

Sequence: A060560
Score: 4.00398
Type of gen. func.: ogf

$$-\frac{x (13 x^6 + 258 x^5 + 1014 x^4 + 949 x^3 + 264 x^2 + 21 x + 1)}{(x - 1)^9}$$

Sequence: A060560
Score: 5.88177
Type of gen. func.: lgdogf

$$-\frac{3 (13 x^6 + 370 x^5 + 2120 x^4 + 3250 x^3 + 1565 x^2 + 232 x + 10)}{(x - 1) (13 x^6 + 258 x^5 + 1014 x^4 + 949 x^3 + 264 x^2 + 21 x + 1)}$$

Sequence: A060561
Score: 3.18276
Type of gen. func.: ogf

$$\frac{x (x^8 + 36 x^7 + 804 x^6 + 4844 x^5 + 8790 x^4 + 4844 x^3 + 804 x^2 + 36 x + 1)}{(x - 1)^{10}}$$

Sequence: A060566
Score: 11.1551

Type of gen. func.: ogf

$$(2809 f(x) - 48093944)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 1681 x^2 - f(x) - 3280 x + 1601)$$

Sequence: A060566
Score: 11.9849
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1601, a(1) = 1523, a(2) = 1447\}$$

Sequence: A060566
Score: 15.8792
Type of gen. func.: lgdogf

$$- \frac{1601 x^2 - 3042 x + 1447}{(x - 1) (1601 x^2 - 3122 x + 1523)}$$

Sequence: A060566
Score: 20.7167
Type of gen. func.: ogf

$$- \frac{1681 x^2 - 3280 x + 1601}{(x - 1)^3}$$

Sequence: A060569
Score: 11.5594
Type of gen. func.: ogf

$$- \frac{5 x^3 + 5 x^2 - 17 x - 13}{(x^2 + 2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A060569

Score: 6.85379
Type of gen. func.: ogf

$$-(2499 f(x) - 1987) (f(x) x^4 - 6 f(x) x^2 + 5 x^3 + 5 x^2 + f(x) - 17 x - 13)$$

Sequence: A060569
Score: 8.36275
Type of gen. func.: lgdogf

$$-\frac{5 x^6 + 10 x^5 - 21 x^4 - 52 x^3 + 87 x^2 + 146 x + 17}{(x^2 - 2 x - 1) (x^2 + 2 x - 1) (5 x^3 + 5 x^2 - 17 x - 13)}$$

Sequence: A060576
Score: 11.8872
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2), a(0) = 1, a(1) = 0, a(2) = 1\}$$

Sequence: A060576
Score: 18.6158
Type of gen. func.: ogf

$$-f(x) x - x^2 + f(x) + x - 1$$

Sequence: A060576
Score: 21.9253
Type of gen. func.: ogf

$$-\frac{x^2 - x + 1}{x - 1}$$

Sequence: A060576
Score: 33.9521
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^2 + x$$

Sequence: A060576
Score: 42.2903
Type of gen. func.: lgdogf

$$\frac{x (x - 2)}{(x - 1) (x^2 - x + 1)}$$

Sequence: A060577
Score: 11.3517
Type of gen. func.: lgdogf

$$\frac{4 x^5 - 14 x^4 + 16 x^3 - 8 x^2 + 4 x + 1}{(x - 1) (2 x^5 - 4 x^4 + 4 x^3 - 4 x^2 + 2 x - 1)}$$

Sequence: A060577
Score: 9.66882
Type of gen. func.: ogf

$$\frac{2 x^5 - 4 x^4 + 4 x^3 - 4 x^2 + 2 x - 1}{(x - 1)^3}$$

Sequence: A060578
Score: 5.01651
Type of gen. func.: ogf

$$- \frac{8 x^9 - 36 x^8 + 66 x^7 - 70 x^6 + 51 x^5 - 24 x^4 + 8 x^3 - 6 x^2 + 3 x - 1}{(x - 1)^6}$$

Sequence: A060578
Score: 5.86413
Type of gen. func.: lgdogf

$$3 (8 x^9 - 48 x^8 + 118 x^7 - 154 x^6 + 123 x^5 - 69 x^4 + 24 x^3 - x + 1) \bigg/ ($$

$$(x - 1)$$

$$(8 x^{9} - 36 x^{8} + 66 x^{7} - 70 x^{6} + 51 x^{5} - 24 x^{4} + 8 x^{3} - 6 x^{2} + 3 x - 1))$$

Sequence: A060584
Score: 11.3480
Type of gen. func.: ogf

$$- \frac{x (x^{4} + 1)}{(x - 1) (x^{6} + x^{3} + 1)}$$

Sequence: A060584
Score: 13.3244
Type of gen. func.: lgdogf

$$- \frac{3 x^{10} - 2 x^{9} + 8 x^{6} - 6 x^{5} - 3 x^{4} + 8 x^{3} - 3 x^{2} + 1}{(x - 1) (x^{6} + x^{3} + 1) (x^{4} + 1)}$$

Sequence: A060584
Score: 18.3711
Type of gen. func.: ogf_with_Euler_transform]

$$x^{8} - x^{7} + x^{3} - x^{2} + 1$$

Sequence: A060588
Score: 7.88957
Type of gen. func.: ogf

$$- \frac{x (2 x^{5} - 2 x^{4} + x^{3} + x^{2} - x + 2)}{(x - 1) (x^{6} + x^{3} + 1)}$$

Sequence: A060588
Score: 9.26360
Type of gen. func.: lgdogf

$$-\frac{4x^{11}-8x^{10}+8x^{9}-6x^{7}+18x^{6}-18x^{5}+12x^{4}-4x^{2}+2x+1}{(x-1)(2x^{5}-2x^{4}+x^{3}+x^{2}-x+2)(x^{6}+x^{3}+1)}$$

Sequence: A060589
Score: 12.0194
Type of gen. func.: ogf

$$-18 f(x) x^{2} + 9 f(x) x - f(x) + 2 x$$

Sequence: A060589
Score: 15.5431
Type of gen. func.: ogf

$$\frac{2x}{(3x-1)(6x-1)}$$

Sequence: A060589
Score: 15.7163
Type of gen. func.: revogf

$$-\frac{-2-9x+(9x^{2}+36x+4)^{1/2}}{36x}$$

Sequence: A060589
Score: 20.7680
Type of gen. func.: lgdogf

$$-\frac{9(4x-1)}{(6x-1)(3x-1)}$$

Sequence: A060589
Score: 7.20289
Type of gen. func.: ogf

$$\{a(n+2) - 9 a(n+1) + 18 a(n), a(0) = 0, a(1) = 2\}$$

Sequence: A060590
Score: 11.5903
Type of gen. func.: ogf

$$\frac{2 x (2 x^2 + x + 1)}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A060590
Score: 6.86418
Type of gen. func.: ogf

$$-(31 f(x) - 65) (4 f(x) x^4 - 5 f(x) x^2 - 4 x^3 - 2 x^2 + f(x) - 2 x)$$

Sequence: A060590
Score: 8.93095
Type of gen. func.: lgdogf

$$- \frac{16 x^5 + 12 x^4 + 16 x^3 - 5 x^2 - 14 x - 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1) (2 x^2 + x + 1)}$$

Sequence: A060593
Score: 3.58311
Type of gen. func.: ogf

$$\{(-4 n^3 - 22 n^2 - 40 n - 24) a(n + 1) + (n + 3) a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A060602
Score: 4.34141
Type of gen. func.: ogf

$$(23 f(x) + 1412) (4 f(x) x^4 - 12 f(x) x^3 + 13 f(x) x^2 + 8 x^3 - 6 f(x) x - 22 x^2$$

$$+ f(x) + 24 x - 8)$$

Sequence: A060626

Score: 13.3061
Type of gen. func.: ogf

$$\frac{2 (x^2 - 4 x - 1)}{(x - 1)^3}$$

Sequence: A060626
Score: 26.5452
Type of gen. func.: lgdogf

$$-\frac{(x + 1) (x - 7)}{(x - 1) (x^2 - 4 x - 1)}$$

Sequence: A060626
Score: 7.11993
Type of gen. func.: ogf

$$(61 f(x) - 482) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 2 x^2 - f(x) + 8 x + 2)$$

Sequence: A060626
Score: 7.11993
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2, a(1) = 14, a(2) = 34\}$$

Sequence: A060629
Score: 3.45558
Type of gen. func.: ogf

$$\{(-16 n^3 - 120 n^2 - 300 n - 250) a(n + 1) + (n + 3) a(n + 2), a(0) = 1,$$
$$a(1) = 27\}$$

Sequence: A060633
Score: 10.3747
Type of gen. func.: lgdogf

4 3 2

$$-\frac{2x - 78x + 153x + 16x - 123}{(x-1)(2x^4 - 43x^3 + 94x^2 - 43x - 16)}$$

Sequence: A060633
Score: 7.37330
Type of gen. func.: ogf

$$\frac{2x^4 - 43x^3 + 94x^2 - 43x - 16}{(x-1)^5}$$

Sequence: A060635
Score: 7.01439
Type of gen. func.: lgdogf

$$-\frac{3x^6 - 14x^5 + 5x^4 + 10x^3 - 65x^2 + 32x + 4}{(x-1)(x^2 + 3x + 1)(x^2 - 7x + 1)(x^2 - x + 1)}$$

Sequence: A060635
Score: 7.43244
Type of gen. func.: ogf

$$-\frac{2(x^2 - x + 1)}{(x-1)(x^2 + 3x + 1)(x^2 - 7x + 1)}$$

Sequence: A060641
Score: 10.8577
Type of gen. func.: ogf

$$-\frac{85x^2 - 226x + 161}{(x-1)^3}$$

Sequence: A060641
Score: 15.9558

Type of gen. func.: lgdogf

$$-\frac{85 x^2 - 282 x + 257}{(x - 1) (85 x^2 - 226 x + 161)}$$

Sequence: A060641
Score: 5.68734
Type of gen. func.: ogf

(188050 f(x) - 673169)

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 85 x^2 - f(x) - 226 x + 161)$$

Sequence: A060641
Score: 6.07292
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 161, a(1) = 257, a(2) = 373}

Sequence: A060645
Score: 12.7840
Type of gen. func.: revogf

$$-\frac{-2 - 9 x + 2 (4 x + 1)^{1/2} (5 x + 1)^{1/2}}{x}$$

Sequence: A060645
Score: 14.0169
Type of gen. func.: ogf

$$\frac{4 x}{x^2 - 18 x + 1}$$

Sequence: A060645
Score: 23.8247
Type of gen. func.: lgdogf

$$-\frac{2(-9+x)}{x^2-18x+1}$$

Sequence: A060645
Score: 6.49565
Type of gen. func.: ogf

$$\{a(n+2)-18a(n+1)+a(n), a(0)=0, a(1)=4\}$$

Sequence: A060645
Score: 8.8774
Type of gen. func.: ogf

$$-f(x)x^2+18f(x)x-f(x)+4x$$

Sequence: A060647
Score: 11.5040
Type of gen. func.: ogf

$$-\frac{x^2-2x-1}{(x-1)(3x^2-1)}$$

Sequence: A060647
Score: 12.5025
Type of gen. func.: lgdogf

$$-\frac{3x^4-12x^3-2x^2+4x+3}{(x-1)(3x^2-1)(x^2-2x-1)}$$

Sequence: A060647
Score: 6.21014
Type of gen. func.: ogf

$$(15f(x)+29)(3f(x)x^3-3f(x)x^2-f(x)x+x^2+f(x)-2x-1)$$

Sequence: A060647
Score: 6.26559
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 3 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 3, a(2) = 5\}$$

Sequence: A060712
Score: 9.65471
Type of gen. func.: lgdegf]

$$27 - 27 f(x) + 9 f(x)^{2} - f(x)^{3}$$

Sequence: A060725
Score: 39.7162
Type of gen. func.: lgdegf]

$$-\frac{x^{5} - x^{4} + 1}{x - 1}$$

Sequence: A060725
Score: 7.82187
Type of gen. func.: egf]

$$-\frac{x^{10} - 30 x^{5} + 300}{(x - 1) (x^{10} + 30 x^{5} + 300)}$$

Sequence: A060726
Score: 3.46133
Type of gen. func.: egf]

$$- (11 x^{11} + 6 x^{10} + 6 x^{9} + 204 x^{8} + 204 x^{7} + 204 x^{6} - 60 x^{5} - 2376 x^{2} - 2376 x - 2376) / (5 x^{11} - 198 x^{9} + 132 x^{6} + 60 x^{5} - 2376 x^{3} + 2376)$$

Sequence: A060726
Score: 31.6292
Type of gen. func.: lgdegf]

$$-\frac{x^6 - x^5 + 1}{x - 1}$$

Sequence: A060727
Score: 31.6292
Type of gen. func.: lgdegf]

$$-\frac{x^7 - x^6 + 1}{x - 1}$$

Sequence: A060727
Score: 4.44670
Type of gen. func.: egf]

$$-(13 x^{13} + 7 x^{12} + 7 x^{11} + 7 x^{10} + 7 x^9 + 280 x^8 + 280 x^7 - 84 x^6 - 3822 x - 3822) \Big/ (6 x^{13} - 273 x^9 + 182 x^7 + 84 x^6 - 3822 x^2 + 3822)$$

Sequence: A060747
Score: 13.4552
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -1, a(1) = 1\}$$

Sequence: A060747
Score: 17.5131
Type of gen. func.: ogf

$$f(x) x^2 - 2 f(x) x + f(x) - 3 x + 1$$

Sequence: A060747
Score: 24.5184
Type of gen. func.: ogf

$$\frac{3 x - 1}{(x - 1)^{2}}$$

Sequence: A060747
Score: 33.0393
Type of gen. func.: revogf

$$\frac{-1 + 2 x + (1 + 8 x)^{1/2}}{2 (x - 3)}$$

Sequence: A060747
Score: 49.5589
Type of gen. func.: lgdogf

$$- \frac{1 + 3 x}{(3 x - 1) (x - 1)}$$

Sequence: A060762
Score: 14.8879
Type of gen. func.: ogf

$$- \frac{3 x^{2} - 2 x - 2}{(x + 1) (x - 1)^{2}}$$

Sequence: A060762
Score: 19.7987
Type of gen. func.: lgdogf

$$- \frac{3 x^{3} - x^{2} - 2 x - 4}{(x - 1) (x + 1) (3 x^{2} - 2 x - 2)}$$

Sequence: A060762
Score: 7.69625
Type of gen. func.: ogf

$$-(65 f(x) + 629) (f(x) x^3 - f(x) x^2 - f(x) x + 3 x^2 + f(x) - 2 x - 2)$$

Sequence: A060762
Score: 8.10856
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 2, a(1) = 4, a(2) = 3\}$$

Sequence: A060783
Score: 19.7578
Type of gen. func.: lgdogf

$$-\frac{3 (2 x^2 - 4 x - 3)}{(x - 1) (2 x^2 - 4 x - 1)}$$

Sequence: A060783
Score: 3.84482
Type of gen. func.: ogf

$$\{(164 n^2 + 458 n + 260) a(n + 1) + (-591 n^2 - 2200 n - 2367) a(n + 2)$$
$$+ (427 n^2 + 690 n + 263) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 4\}$$

Sequence: A060783
Score: 8.38869
Type of gen. func.: ogf

$$\frac{4 x^2 (2 x^2 - 4 x - 1)}{(x - 1)^5}$$

Sequence: A060784
Score: 16.2530
Type of gen. func.: lgdogf

$$3 x^2 (-7 + 2 x)$$

$$- \frac{\qquad}{(x-1)\,(3x^3-10x^2+5x-1)}$$

Sequence: A060784
Score: 7.29982
Type of gen. func.: ogf

$$\frac{4x\,(3x^3-10x^2+5x-1)}{(x-1)^5}$$

Sequence: A060785
Score: 12.2326
Type of gen. func.: ogf

$$-\frac{6x\,(2+3x)}{(x-1)^3}$$

Sequence: A060785
Score: 29.6138
Type of gen. func.: lgdogf

$$-\frac{3\,(3+2x)}{(2+3x)\,(x-1)}$$

Sequence: A060785
Score: 6.01435
Type of gen. func.: ogf

$$-(3175 f(x) - 31122)\,(f(x)\,x^3 - 3 f(x)\,x^2 + 3 f(x)\,x + 18 x^2 - f(x) + 12 x)$$

Sequence: A060785
Score: 6.38691
Type of gen. func.: ogf

$$\{a(n+3) - 3a(n+2) + 3a(n+1) - a(n),\ a(0) = 0,\ a(1) = 12,\ a(2) = 54\}$$

Sequence: A060786
Score: 11.6800
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 132 x^2 + 204 x + 35}{(x - 1) (2 x^3 + 42 x^2 + 30 x + 1)}$$

Sequence: A060786
Score: 6.35165
Type of gen. func.: ogf

$$-\frac{36 x (2 x^3 + 42 x^2 + 30 x + 1)}{(x - 1)^5}$$

Sequence: A060787
Score: 12.1180
Type of gen. func.: ogf

$$-\frac{18 x (1 + 3 x)}{(x - 1)^3}$$

Sequence: A060787
Score: 32.0059
Type of gen. func.: lgdogf

$$-\frac{6 (x + 1)}{(1 + 3 x) (x - 1)}$$

Sequence: A060787
Score: 6.00808
Type of gen. func.: ogf

$$-(536 f(x) - 12285) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 54 x^2 - f(x) + 18 x)$$

Sequence: A060787
Score: 6.27160
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 18, a(2) = 108\}$$

Sequence: A060788
Score: 13.9816
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - 3 x^2 - 21 x - 7)}{(x - 1) (x^3 - 3 x^2 - 9 x - 1)}$$

Sequence: A060788
Score: 3.55030
Type of gen. func.: ogf

$$\{(n^2 + 9 n + 14) a(n + 1) + (10 n^2 + 78 n + 152) a(n + 2) + (-11 n^2 - 39 n - 34) a(n + 3), a(0) = 0, a(1) = 18, a(2) = 252\}$$

Sequence: A060788
Score: 6.80475
Type of gen. func.: ogf

$$\frac{18 x (x^3 - 3 x^2 - 9 x - 1)}{(x - 1)^5}$$

Sequence: A060789
Score: 7.45158
Type of gen. func.: ogf

$$\frac{x^{10} + x^9 + x^8 + 2 x^7 + 5 x^6 + x^5 + 5 x^4 + 2 x^3 + x^2 + x + 1}{(x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2}$$

Sequence: A060790
Score: 11.2880
Type of gen. func.: ogf

$$-\frac{(x-1)(3x^2+3x-1)}{x^4-2x^3-2x^2-2x+1}$$

Sequence: A060790
Score: 5.8562
Type of gen. func.: ogf

$$(856 f(x) - 811)$$

$$(f(x) x^4 - 2 f(x) x^3 - 2 f(x) x^2 + 3 x^3 - 2 f(x) x + f(x) - 4 x + 1)$$

Sequence: A060790
Score: 9.98274
Type of gen. func.: lgdogf

$$-\frac{3x^6-6x^4+32x^3-7x^2-4x+2}{(x-1)(3x^2+3x-1)(x^4-2x^3-2x^2-2x+1)}$$

Sequence: A060791
Score: 7.70927
Type of gen. func.: ogf

$$\frac{(x^4+x^3+3x^2+x+1)(x^4+x^3-x^2+x+1)}{(x-1)^2(x^4+x^3+x^2+x+1)}$$

Sequence: A060798
Score: 13.2780
Type of gen. func.: lgdogf

$$\frac{2(2x^5-7x^4+8x^3-x^2+1)}{(x-1)(2x^2-2x+1)(x^3-x^2-x-1)}$$

Sequence: A060798
Score: 6.78084
Type of gen. func.: ogf

$$(3 f(x) - 44) (f(x) x^3 - 2 x^4 - 3 f(x) x^2 + 4 x^3 + 3 f(x) x - f(x) - 2 x + 2)$$

Sequence: A060798
Score: 9.71393
Type of gen. func.: ogf

$$\frac{(2 x^2 - 2 x + 1) (x^3 - x^2 - x - 1)}{(x - 1)^3}$$

Sequence: A060801
Score: 12.0095
Type of gen. func.: ogf

$$\frac{(x - 1)^2}{2 x^2 - 5 x + 1}$$

Sequence: A060801
Score: 23.9986
Type of gen. func.: lgdogf

$$- \frac{x + 3}{(x - 1) (2 x^2 - 5 x + 1)}$$

Sequence: A060801
Score: 6.17965
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 14\}$$

Sequence: A060801

Score: 7.15175
Type of gen. func.: ogf

$$-f(x) (2 f(x) x^{2} - 5 f(x) x - x^{2} + f(x) + 2 x - 1)$$

Sequence: A060805
Score: 8.05068
Type of gen. func.: ogf

$$\frac{x^{8} - 2 x^{6} + x^{2} + x - 2}{(x^{2} + 1) (x + 1)^{2} (x - 1)^{3}}$$

Sequence: A060805
Score: 8.44008
Type of gen. func.: lgdogf

$$\frac{x^{11} - x^{10} - x^{9} + x^{8} - 2 x^{7} + 2 x^{6} + 7 x^{5} - 7 x^{4} + 10 x^{3} - 2 x^{2} + 3 x + 1}{(x - 1) (x + 1) (x^{2} + 1) (x^{8} - 2 x^{6} + x^{2} + x - 2)}$$

Sequence: A060806
Score: 6.40039
Type of gen. func.: ogf

$$-(f(x) + 6) (f(x) x^{4} - 2 f(x) x^{3} + 2 f(x) x^{2} - 2 f(x) x + x^{2} + f(x) - 2)$$

Sequence: A060816
Score: 11.9874
Type of gen. func.: ogf

$$\frac{2 x^{2} - 2 x + 1}{(3 x - 1) (x - 1)}$$

Sequence: A060816
Score: 14.8166
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 + x - 1)}{(x - 1) (3 x - 1) (2 x^2 - 2 x + 1)}$$

Sequence: A060816
Score: 6.22873
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 7\}$$

Sequence: A060816
Score: 6.83149
Type of gen. func.: ogf

$$(-1 + 3 f(x)) (3 f(x) x^2 - 4 f(x) x - 2 x^2 + f(x) + 2 x - 1)$$

Sequence: A060817
Score: 6.19118
Type of gen. func.: lgdegf]

$$\frac{30 x^7 - 90 x^6 + 90 x^5 - 34 x^4 + 11 x^3 - 9 x^2 + x - 1}{(x - 1) (6 x^7 - 12 x^6 + 6 x^5 - 2 x^4 + 3 x^3 - x + 1)}$$

Sequence: A060817
Score: 6.61848
Type of gen. func.: egf]

$$\frac{6 x^7 - 12 x^6 + 6 x^5 - 2 x^4 + 3 x^3 - x + 1}{(x - 1)^2}$$

Sequence: A060819
Score: 10.3159
Type of gen. func.: ogf

$$x^6 + x^5 + 3 x^4 + x^3 + 3 x^2 + x + 1$$

$$\overline{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A060819
Score: 8.18902
Type of gen. func.: lgdogf

$$-\frac{2 x^9 + 3 x^8 + 12 x^7 + 5 x^6 + 24 x^5 + 12 x^4 + 20 x^3 + 3 x^2 + 6 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^6 + x^5 + 3 x^4 + x^3 + 3 x^2 + x + 1)}$$

Sequence: A060820
Score: 13.2447
Type of gen. func.: ogf

$$-\frac{x^2 + 10 x + 5}{(x - 1)^3}$$

Sequence: A060820
Score: 24.4252
Type of gen. func.: lgdogf

$$-\frac{x^2 + 22 x + 25}{(x - 1) (x^2 + 10 x + 5)}$$

Sequence: A060820
Score: 7.01854
Type of gen. func.: ogf

$$(193 f(x) - 1721) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 10 x + 5)$$

Sequence: A060820
Score: 7.20324
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 5, a(1) = 25, a(2) = 61\}$$

Sequence: A060823
Score: 10.9312
Type of gen. func.: lgdogf

$$-\frac{2 x^{5} + 4 x^{4} - 2 x^{3} - 4 x^{2} + 4 x + 1}{(x + 1) (x^{2} + x - 1) (x^{3} - 3 x + 1)}$$

Sequence: A060823
Score: 5.10729
Type of gen. func.: ogf

$(24 f(x) + 13)$

$$(f(x) x^{4} + f(x) x^{3} - 3 f(x) x^{2} - 2 f(x) x + 2 x^{2} + f(x) + 2 x - 2)$$

Sequence: A060823
Score: 9.69646
Type of gen. func.: ogf

$$-\frac{2 (x^{2} + x - 1)}{(x + 1) (x^{3} - 3 x + 1)}$$

Sequence: A060824
Score: 6.32982
Type of gen. func.: ogf

$$-\frac{2 (x^{5} - 2 x^{4} + 2 x^{3} - x^{2} - 1)}{(x^{2} - x + 1) (x^{9} - 3 x^{3} + 1)}$$

Sequence: A060827
Score: 10.2469
Type of gen. func.: lgdogf

$$4 x^{7} - 5 x^{6} - 8 x^{5} + 3 x^{4} + 4 x^{3} + 2 x^{2} + 2 x + 1$$

$$- \frac{\quad}{(x^2 - x - 1)(x^6 - x^4 - 2x^2 + 1)}$$

Sequence: A060827
Score: 11.5774
Type of gen. func.: ogf

$$- \frac{2(x^2 - x - 1)}{x^6 - x^4 - 2x^2 + 1}$$

Sequence: A060834
Score: 12.4169
Type of gen. func.: ogf

$$- \frac{31x^2 - 50x + 31}{(x - 1)^3}$$

Sequence: A060834
Score: 19.4886
Type of gen. func.: lgdogf

$$- \frac{31x^2 - 38x + 43}{(x - 1)(31x^2 - 50x + 31)}$$

Sequence: A060834
Score: 6.5676
Type of gen. func.: ogf

$$-(29 f(x) - 494)(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 31 x^2 - f(x) - 50 x + 31)$$

Sequence: A060834
Score: 6.91026
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 31, a(1) = 43, a(2) = 67\}$$

Sequence: A060836
Score: 4.93299
Type of gen. func.: ogf

$$\{(-2 + n)\, a(n + 2) + (-n - 3)\, a(n + 1),\ a(0) = 0,\ a(1) = 0,\ a(2) = 0,\ a(3) = 0,\ a(4) = 44\}$$

Sequence: A060836
Score: 84.4774
Type of gen. func.: lgdogf

$$-\frac{6}{x - 1}$$

Sequence: A060836
Score: 9.25779
Type of gen. func.: ogf

$$\frac{44\, x^{4}}{(x - 1)^{6}}$$

Sequence: A060851
Score: 14.0474
Type of gen. func.: ogf

$$\frac{3\, (9\, x + 1)}{(9\, x - 1)^{2}}$$

Sequence: A060851
Score: 17.4342
Type of gen. func.: revogf

$$-\frac{-1 - 6\, x + (24\, x + 1)^{1/2}}{18\, (3\, x - 1)}$$

Sequence: A060851
Score: 24.5370
Type of gen. func.: lgdogf

$$-\frac{27 (1 + 3 x)}{(9 x - 1) (9 x + 1)}$$

Sequence: A060851
Score: 7.40963
Type of gen. func.: ogf

$$(16 f(x) + 195) (81 f(x) x^2 - 18 f(x) x + f(x) - 27 x - 3)$$

Sequence: A060851
Score: 7.93267
Type of gen. func.: ogf

$$\{-a(n + 2) + 18 a(n + 1) - 81 a(n), a(0) = 3, a(1) = 81\}$$

Sequence: A060867
Score: 10.7312
Type of gen. func.: lgdogf

$$-\frac{32 x^3 - 4 x^2 - 28 x + 9}{(x - 1) (2 x + 1) (2 x - 1) (4 x - 1)}$$

Sequence: A060867
Score: 10.7614
Type of gen. func.: ogf

$$-\frac{2 x + 1}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A060867
Score: 5.09751
Type of gen. func.: ogf

$\{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 9, a(2) = 49\}$

Sequence: A060867
Score: 6.90595
Type of gen. func.: ogf

$$(5823 f(x) - 3896) (8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x - f(x) + 2 x + 1)$$

Sequence: A060868
Score: 10.9212
Type of gen. func.: lgdogf

$$- \frac{2 (81 x^3 - 18 x^2 - 39 x + 8)}{(x - 1) (3 x - 1) (1 + 3 x) (9 x - 1)}$$

Sequence: A060868
Score: 10.9365
Type of gen. func.: ogf

$$- \frac{2 (1 + 3 x)}{(x - 1) (3 x - 1) (9 x - 1)}$$

Sequence: A060868
Score: 5.19020
Type of gen. func.: ogf

$\{a(n + 3) - 13 a(n + 2) + 39 a(n + 1) - 27 a(n), a(0) = 2, a(1) = 32,$

$a(2) = 338\}$

Sequence: A060868
Score: 5.27968
Type of gen. func.: ogf

$$(351704 f(x) - 212211) (27 f(x) x^3 - 39 f(x) x^2 + 13 f(x) x - f(x) + 6 x + 2)$$

Sequence: A060869

Score: 11.0631
Type of gen. func.: lgdogf

$$-\frac{512 x^3 - 144 x^2 - 168 x + 25}{(x - 1) (4 x - 1) (4 x + 1) (16 x - 1)}$$

Sequence: A060869
Score: 11.4601
Type of gen. func.: ogf

$$-\frac{3 (4 x + 1)}{(x - 1) (4 x - 1) (16 x - 1)}$$

Sequence: A060869
Score: 5.48928
Type of gen. func.: ogf

$$(2325725 f(x) - 1140768)$$

$$(64 f(x) x^3 - 84 f(x) x^2 + 21 f(x) x - f(x) + 12 x + 3)$$

Sequence: A060869
Score: 5.48928
Type of gen. func.: ogf

$$\{a(n + 3) - 21 a(n + 2) + 84 a(n + 1) - 64 a(n), a(0) = 3, a(1) = 75,$$

$$a(2) = 1323\}$$

Sequence: A060870
Score: 4.68158
Type of gen. func.: ogf

$$(18297891 f(x) - 7390325)$$

$$(125 f(x) x^3 - 155 f(x) x^2 + 31 f(x) x - f(x) + 20 x + 4)$$

Sequence: A060870
Score: 4.68159
Type of gen. func.: ogf

$\{a(n + 3) - 31 a(n + 2) + 155 a(n + 1) - 125 a(n), a(0) = 4, a(1) = 144,$

$a(2) = 3844\}$

Sequence: A060870
Score: 9.33439
Type of gen. func.: lgdogf

$$- \frac{2 (625 x^3 - 200 x^2 - 155 x + 18)}{(x - 1) (5 x + 1) (25 x - 1) (5 x - 1)}$$

Sequence: A060870
Score: 9.68058
Type of gen. func.: ogf

$$- \frac{4 (5 x + 1)}{(x - 1) (25 x - 1) (5 x - 1)}$$

Sequence: A060871
Score: 4.01137
Type of gen. func.: ogf

$(878675296 f(x) - 257754357)$

$(343 f(x) x^3 - 399 f(x) x^2 + 57 f(x) x - f(x) + 42 x + 6)$

Sequence: A060871
Score: 4.07659
Type of gen. func.: ogf

$\{a(n + 3) - 57 a(n + 2) + 399 a(n + 1) - 343 a(n), a(0) = 6, a(1) = 384,$

$a(2) = 19494\}$

Sequence: A060871
Score: 8.04697
Type of gen. func.: lgdogf

$$- \frac{2 (2401 x^3 - 882 x^2 - 399 x + 32)}{}$$

$$(x - 1) (7 x + 1) (7 x - 1) (49 x - 1)$$

Sequence: A060871
Score: 8.49866
Type of gen. func.: ogf

$$- \frac{6 (7 x + 1)}{(x - 1) (7 x - 1) (49 x - 1)}$$

Sequence: A060883
Score: 5.00479
Type of gen. func.: ogf

$$- \frac{x^6 + 50 x^5 + 325 x^4 + 274 x^3 + 73 x^2 - 4 x + 1}{(x - 1)^7}$$

Sequence: A060883
Score: 6.82952
Type of gen. func.: lgdogf

$$- \frac{x^6 + 106 x^5 + 1225 x^4 + 2396 x^3 + 1187 x^2 + 122 x + 3}{(x - 1) (x^6 + 50 x^5 + 325 x^4 + 274 x^3 + 73 x^2 - 4 x + 1)}$$

Sequence: A060884
Score: 11.2047
Type of gen. func.: lgdogf

$$- \frac{5 x^4 + 32 x^3 + 66 x^2 + 16 x + 1}{(x - 1) (5 x^4 + 6 x^3 + 16 x^2 - 4 x + 1)}$$

Sequence: A060884
Score: 7.38331
Type of gen. func.: ogf

$$5 x^4 + 6 x^3 + 16 x^2 - 4 x + 1$$

$$-\frac{}{(x-1)^{5}}$$

Sequence: A060886
Score: 12.0383
Type of gen. func.: lgdogf

$$-\frac{x^{4}+20x^{3}+78x^{2}+20x+1}{(x-1)(x^{4}+8x^{3}+18x^{2}-4x+1)}$$

Sequence: A060886
Score: 8.13757
Type of gen. func.: ogf

$$-\frac{x^{4}+8x^{3}+18x^{2}-4x+1}{(x-1)^{5}}$$

Sequence: A060888
Score: 4.98038
Type of gen. func.: ogf

$$-\frac{7x^{6}+78x^{5}+351x^{4}+232x^{3}+57x^{2}-6x+1}{(x-1)^{7}}$$

Sequence: A060888
Score: 6.65826
Type of gen. func.: lgdogf

$$-\frac{7x^{6}+198x^{5}+1443x^{4}+2332x^{3}+981x^{2}+78x+1}{(x-1)(7x^{6}+78x^{5}+351x^{4}+232x^{3}+57x^{2}-6x+1)}$$

Sequence: A060889
Score: 3.52957
Type of gen. func.: ogf

$$-\frac{x^8 + 322 x^7 + 5458 x^6 + 16804 x^5 + 14410 x^4 + 3154 x^3 + 178 x^2 - 8 x + 1}{(x - 1)^9}$$

Sequence: A060890
Score: 3.54670
Type of gen. func.: ogf

$$- (2 x^8 + 239 x^7 + 4321 x^6 + 15563 x^5 + 15689 x^4 + 4237 x^3 + 275 x^2 - 7 x + 1) / (x - 1)^9$$

Sequence: A060891
Score: 4.98038
Type of gen. func.: ogf

$$-\frac{3 x^6 + 52 x^5 + 309 x^4 + 290 x^3 + 71 x^2 - 6 x + 1}{(x - 1)^7}$$

Sequence: A060891
Score: 6.52642
Type of gen. func.: lgdogf

$$-\frac{3 x^6 + 122 x^5 + 1187 x^4 + 2396 x^3 + 1225 x^2 + 106 x + 1}{(x - 1) (3 x^6 + 52 x^5 + 309 x^4 + 290 x^3 + 71 x^2 - 6 x + 1)}$$

Sequence: A060892
Score: 4.06317
Type of gen. func.: ogf

$$-\frac{x^8 + 196 x^7 + 4096 x^6 + 15832 x^5 + 15958 x^4 + 4012 x^3 + 232 x^2 - 8 x + 1}{(x - 1)^9}$$

Sequence: A060893
Score: 4.06317
Type of gen. func.: ogf

$$-\frac{x^8 + 232 x^7 + 4348 x^6 + 15544 x^5 + 15670 x^4 + 4264 x^3 + 268 x^2 - 8 x + 1}{(x - 1)^9}$$

Sequence: A060894
Score: 3.54670
Type of gen. func.: ogf

$$-\frac{x^8 + 142 x^7 + 3238 x^6 + 14284 x^5 + 16930 x^4 + 5374 x^3 + 358 x^2 - 8 x + 1}{(x - 1)^9}$$

Sequence: A060899
Score: 25.8389
Type of gen. func.: revogf

$$\frac{x (2 x + 1)}{8 x^2 + 4 x + 1}$$

Sequence: A060899
Score: 4.46329
Type of gen. func.: ogf

$\{(-16 n - 32) a(n + 1) - 4 a(n + 2) + (n + 4) a(n + 3), a(0) = 1, a(1) = 2,$

$a(2) = 8\}$

Sequence: A060899
Score: 7.88322
Type of gen. func.: ogf

$$-8 f(x)^2 x^2 + 2 f(x)^2 x - 4 f(x) x + f(x) - 1$$

Sequence: A060899
Score: 9.28586
Type of gen. func.: lgdogf

$$-\frac{4 x - 1 + 32 x^{2} + (-(4 x - 1) (4 x + 1))^{1/2}}{2 x (4 x + 1) (4 x - 1)}$$

Sequence: A060905
Score: 22.4081
Type of gen. func.: lgdegf]

$$(x + 1) (\exp(2 x) x + \exp(x))$$

Sequence: A060906
Score: 5.39779
Type of gen. func.: lgdegf]

$$(39 + 9 n) a(n + 1) + (-12 n^{2} - 49 n + 4) a(n + 2)$$

$$+ (3 n^{3} + 4 n^{2} - 66 n - 151) a(n + 3)$$

$$+ (3 n^{3} + 28 n^{2} + 84 n + 80) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 5/2,$$

$$a(3) = 14/3$$

Sequence: A060919
Score: 10.0804
Type of gen. func.: ogf

$$-\frac{4 (5 x^{2} - 5 x + 1)}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A060919
Score: 5.65916
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) - 14 a(n + 1) + 8 a(n), a(0) = 4, a(1) = 8, a(2) = 20\}$$

Sequence: A060919

Score: 7.01244
Type of gen. func.: ogf

$$-8 f(x) x^3 + 14 f(x) x^2 - 7 f(x) x - 20 x^2 + f(x) + 20 x - 4$$

Sequence: A060919
Score: 9.30047
Type of gen. func.: lgdogf

$$-\frac{40 x^4 - 80 x^3 + 59 x^2 - 18 x + 2}{(x - 1) (4 x - 1) (2 x - 1) (5 x^2 - 5 x + 1)}$$

Sequence: A060925
Score: 13.3762
Type of gen. func.: ogf

$$-\frac{2 x + 1}{(x + 1) (3 x - 1)}$$

Sequence: A060925
Score: 14.0251
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (16 x^2 + 12 x + 1)^{1/2}}{2 (2 + 3 x)}$$

Sequence: A060925
Score: 15.5014
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^2 + 3 x + 2)}{(3 x - 1) (2 x + 1) (x + 1)}$$

Sequence: A060925
Score: 7.08153
Type of gen. func.: ogf

$$(7 f(x) + 1) (3 f(x) x^2 + 2 f(x) x - f(x) + 2 x + 1)$$

Sequence: A060925
Score: 7.34062
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A060926
Score: 10.3933
Type of gen. func.: ogf

$$-\frac{4 x^2 + 1}{4 x^3 + 5 x - 1}$$

Sequence: A060926
Score: 5.36078
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) - 4 a(n), a(0) = 1, a(1) = 5, a(2) = 29\}$$

Sequence: A060926
Score: 5.59642
Type of gen. func.: ogf

$$(13 f(x) - 97) (4 f(x) x^3 + 5 f(x) x + 4 x^2 - f(x) + 1)$$

Sequence: A060926
Score: 9.56329
Type of gen. func.: lgdogf

$$-\frac{(2 x + 1) (8 x^3 - 4 x^2 - 2 x + 5)}{(4 x^2 + 1) (4 x^3 + 5 x - 1)}$$

Sequence: A060927
Score: 11.7166
Type of gen. func.: ogf

$$\frac{2 x - 3}{4 x^3 + 5 x - 1}$$

Sequence: A060927
Score: 12.2682
Type of gen. func.: lgdogf

$$-\frac{16 x^3 - 36 x^2 - 13}{(2 x - 3) (4 x^3 + 5 x - 1)}$$

Sequence: A060927
Score: 5.49217
Type of gen. func.: ogf

{a(n + 3) - 5 a(n + 2) - 4 a(n), a(0) = 3, a(1) = 13, a(2) = 65}

Sequence: A060927
Score: 5.66934
Type of gen. func.: ogf

$$-(236 f(x) - 201) (4 f(x) x^3 + 5 f(x) x - f(x) - 2 x + 3)$$

Sequence: A060928
Score: 19.3170
Type of gen. func.: ogf

$$-\frac{1}{4 x^3 + 5 x - 1}$$

Sequence: A060928
Score: 21.0774
Type of gen. func.: lgdogf

$$-\frac{12x^2+5}{4x^3+5x-1}$$

Sequence: A060928
Score: 5.89676
Type of gen. func.: ogf

$$\{-a(n+3)+5a(n+2)+4a(n),\ a(0)=1,\ a(1)=5,\ a(2)=25\}$$

Sequence: A060928
Score: 6.91595
Type of gen. func.: ogf

$$(f(x)-1)(4f(x)x^3+5f(x)x-f(x)+1)$$

Sequence: A060929
Score: 17.1578
Type of gen. func.: lgdogf

$$-\frac{3(2x^2+2x+3)}{(2x+1)(x^2+x-1)}$$

Sequence: A060929
Score: 7.64804
Type of gen. func.: ogf

$$-\frac{(2x+1)^3}{(x^2+x-1)^3}$$

Sequence: A060930
Score: 16.5678
Type of gen. func.: lgdogf

$$4(2x^2+2x+3)$$

$$-\frac{}{(2x+1)(x^2+x-1)}$$

Sequence: A060930
Score: 4.80150
Type of gen. func.: ogf

$$\frac{(2x+1)^4}{(x^2+x-1)^4}$$

Sequence: A060931
Score: 16.9184
Type of gen. func.: lgdogf

$$-\frac{5(2x^2+2x+3)}{(2x+1)(x^2+x-1)}$$

Sequence: A060931
Score: 3.86802
Type of gen. func.: ogf

$$-\frac{(2x+1)^5}{(x^2+x-1)^5}$$

Sequence: A060932
Score: 15.5461
Type of gen. func.: lgdogf

$$-\frac{6(2x^2+2x+3)}{(2x+1)(x^2+x-1)}$$

Sequence: A060933
Score: 24.3311
Type of gen. func.: lgdogf

$$-\frac{7\,(2x^2+2x+3)}{(2x+1)\,(x^2+x-1)}$$

Sequence: A060933
Score: 4.09970
Type of gen. func.: ogf

$$\{(-n-4)\,a(n+4)+(18-n)\,a(n+3)+(20+3n)\,a(n+2)$$
$$+(16+2n)\,a(n+1),\ a(0)=1,\ a(1)=21,\ a(2)=217,\ a(3)=1498\}$$

Sequence: A060934
Score: 3.60622
Type of gen. func.: ogf

$$(445\,f(x)+717)\,(f(x)\,x^4-6\,f(x)\,x^3+11\,f(x)\,x^2-4\,x^3-6\,f(x)\,x+11\,x^2$$
$$+f(x)-11\,x-1)$$

Sequence: A060934
Score: 6.49119
Type of gen. func.: ogf

$$\frac{4x^3-11x^2+11x+1}{(x^2-3x+1)^2}$$

Sequence: A060934
Score: 7.92079
Type of gen. func.: lgdogf

$$-\frac{4x^4-10x^3+21x^2-7x-17}{(x^2-3x+1)\,(4x^3-11x^2+11x+1)}$$

Sequence: A060945
Score: 13.6497

Type of gen. func.: lgdogf

$$-\frac{x^6+2x^4+2x^3+4x^2+2x+2}{(x+1)(x^3-x^2+2x-1)(x^3+x+1)}$$

Sequence: A060945
Score: 23.2686
Type of gen. func.: ogf

$$-\frac{1}{(x+1)(x^3-x^2+2x-1)}$$

Sequence: A060945
Score: 9.46085
Type of gen. func.: ogf

$$f(x)\,(f(x)\,x^4+f(x)\,x^2+f(x)\,x-f(x)+1)$$

Sequence: A060961
Score: 11.2468
Type of gen. func.: lgdogf

$$-\frac{x^8+2x^6+3x^4+4x^3+2x^2+2x+1}{(x^2+x+1)(x^2-x+1)(x^5+x^3+x-1)}$$

Sequence: A060961
Score: 19.5642
Type of gen. func.: ogf

$$-\frac{1}{x^5+x^3+x-1}$$

Sequence: A060961
Score: 7.09851
Type of gen. func.: ogf

$$(2 f(x)^2 - 6 f(x) + 3) (f(x) x^5 + f(x) x^3 + f(x) x - f(x) + 1)$$

Sequence: A060962
Score: 16.1285
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9 + x^6 + x^5 + 2 x^4 + x^2 + 2 x + 1$$

Sequence: A060962
Score: 3.94863
Type of gen. func.: ogf

$$-(x^4 - x^3 + x^2 - x + 1) / ((x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x + 1)^2 (x - 1)^7)$$

Sequence: A060981
Score: 7.82106
Type of gen. func.: ogf

$$-\frac{1763 x^4 - 82 x^3 - 3096 x^2 + 74 x + 1373}{(x + 1)^2 (x - 1)^3}$$

Sequence: A060981
Score: 8.14105
Type of gen. func.: lgdogf

$$-\frac{1763 x^5 + 1599 x^4 - 2318 x^3 - 3046 x^2 + 747 x + 1447}{(x - 1) (x + 1) (1763 x^4 - 82 x^3 - 3096 x^2 + 74 x + 1373)}$$

Sequence: A060982
Score: 4.33550
Type of gen. func.: ogf

$$(8100 x^{19} - 7000 x^{18} - 200 x^{11} + 119 x^{10} - 1029 x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + 3 x^{2} - x + 11) / ((x - 1) (100 x^{9} - 1))$$

Sequence: A060995
Score: 15.6326
Type of gen. func.: ogf

$$\frac{2 x}{2 x^{2} - 4 x + 1}$$

Sequence: A060995
Score: 16.2535
Type of gen. func.: revogf

$$- \frac{-1 - 2 x + (2 x^{2} + 4 x + 1)^{1/2}}{2 x}$$

Sequence: A060995
Score: 25.8578
Type of gen. func.: lgdogf

$$- \frac{4 (x - 1)}{2 x^{2} - 4 x + 1}$$

Sequence: A060995
Score: 7.14080
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 2\}$$

Sequence: A060995
Score: 9.80349
Type of gen. func.: ogf

2

$$-2 f(x) x + 4 f(x) x - f(x) + 2 x$$

Sequence: A060999
Score: 15.7086
Type of gen. func.: lgdogf

$$-\frac{4 x^4 + 3 x^3 + 9 x^2 + 5 x + 3}{(x - 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A060999
Score: 24.0160
Type of gen. func.: ogf_with_Euler_transform]

$$-x^3 + x^2 + x + 3$$

Sequence: A060999
Score: 9.83927
Type of gen. func.: ogf

$$\frac{(x^2 + 1) x}{(x^2 + x + 1) (x - 1)^4}$$

Sequence: A061003
Score: 4.43567
Type of gen. func.: ogf

$$\frac{x (x^4 + 5 x^3 + 5 x + 1) (x^2 + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^6}$$

Sequence: A061004
Score: 5.26545
Type of gen. func.: ogf

$$-\frac{2 x (x^6 + 5 x^5 + 16 x^4 + 16 x^3 + 16 x^2 + 5 x + 1)}{}$$

$$(x^2 + x + 1) (x + 1) (x - 1)^7$$

Sequence: A061005
Score: 5.11226
Type of gen. func.: ogf

$$-\frac{x (x^6 + 5 x^5 + 16 x^4 + 16 x^3 + 16 x^2 + 5 x + 1)}{(x^2 + x + 1) (x + 1) (x - 1)^7}$$

Sequence: A061037
Score: 5.76268
Type of gen. func.: ogf

$$\frac{x (3 x^{10} + x^9 + 3 x^8 - 14 x^6 - 6 x^5 - 30 x^4 - 2 x^3 - 21 x^2 - 3 x - 5)}{(x - 1)^3 (x + 1)^3 (x^2 + 1)^3}$$

Sequence: A061038
Score: 5.46552
Type of gen. func.: ogf

$$- (4 x^{11} + 4 x^9 + x^8 + 24 x^7 + 16 x^6 + 88 x^5 + 6 x^4 + 100 x^3 + 16 x^2 + 36 x + 1) / ((x - 1)^3 (x + 1)^3 (x^2 + 1)^3)$$

Sequence: A061062
Score: 3.36016
Type of gen. func.: ogf

$$\{(-n^2 - 6 n - 9) a(n + 1) + (n^2 + 6 n + 10) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A061064
Score: 14.3655
Type of gen. func.: lgdogf

$$-\frac{-125 - 1581 x^2 + 25 (1145 x^4 + 210 x^2 + 25)^{1/2}}{176 x}$$

Sequence: A061084
Score: 17.0966
Type of gen. func.: ogf

$$-\frac{1 + 3 x}{x^2 - x - 1}$$

Sequence: A061084
Score: 22.2784
Type of gen. func.: revogf

$$\frac{-1 + x + (5 x^2 + 10 x + 1)^{1/2}}{2 (x + 3)}$$

Sequence: A061084
Score: 25.7594
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 2 x + 2}{(1 + 3 x) (x^2 - x - 1)}$$

Sequence: A061084
Score: 8.54831
Type of gen. func.: ogf

$$-(5 f(x) - 14) (f(x) x^2 - f(x) x - f(x) + 3 x + 1)$$

Sequence: A061084
Score: 9.38229
Type of gen. func.: ogf

$$\{-a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A061085
Score: 13.5895
Type of gen. func.: ogf

$$-\frac{2\,(60\,x^{5} - 75\,x^{4} - 2)}{(x - 1)^{2}}$$

Sequence: A061085
Score: 15.6421
Type of gen. func.: lgdogf

$$\frac{2\,(90\,x^{5} - 225\,x^{4} + 150\,x^{3} + 2)}{(x - 1)\,(60\,x^{5} - 75\,x^{4} - 2)}$$

Sequence: A061085
Score: 5.75665
Type of gen. func.: ogf

{(n + 3) a(n + 1) + (-2 - n) a(n + 2), a(0) = 4, a(1) = 8, a(2) = 12, a(3) = 16,

a(4) = 170}

Sequence: A061094
Score: 9.00382
Type of gen. func.: lgdogf

$$\frac{7\,x^{9} - 15\,x^{8} + 8\,x^{7} + 4\,x^{6} - 9\,x^{5} + 5\,x^{4} + 2\,x^{3} - 6\,x^{2} + 2\,x + 4}{(x - 1)\,(x^{9} - x^{8} + x^{6} - x^{5} + 2\,x^{3} - 2\,x^{2} + 2\,x - 3)}$$

Sequence: A061094
Score: 9.67124
Type of gen. func.: ogf

$$-\frac{x^{9} - x^{8} + x^{6} - x^{5} + 2\,x^{3} - 2\,x^{2} + 2\,x - 3}{}$$

$$(x - 1)^2$$

Sequence: A061099
Score: 7.82323
Type of gen. func.: ogf

$$-\frac{x^4 + 63 x^3 + 34 x^2 + 63 x + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A061099
Score: 9.44071
Type of gen. func.: lgdogf

$$-\frac{x^5 + 127 x^4 + 169 x^3 + 475 x^2 + 136 x + 64}{(x - 1) (x + 1) (x^4 + 63 x^3 + 34 x^2 + 63 x + 1)}$$

Sequence: A061100
Score: 7.82323
Type of gen. func.: ogf

$$-\frac{4 x^4 + 45 x^3 + 64 x^2 + 45 x + 4}{(x + 1)^2 (x - 1)^3}$$

Sequence: A061100
Score: 9.09106
Type of gen. func.: lgdogf

$$-\frac{4 x^5 + 94 x^4 + 253 x^3 + 379 x^2 + 193 x + 49}{(x - 1) (x + 1) (4 x^4 + 45 x^3 + 64 x^2 + 45 x + 4)}$$

Sequence: A061101
Score: 7.78034
Type of gen. func.: ogf

$$-\frac{16 x^4 + 9 x^3 + 112 x^2 + 9 x + 16}{(x + 1)^2 (x - 1)^3}$$

Sequence: A061101
Score: 8.91613
Type of gen. func.: lgdogf

$$-\frac{16 x^5 + 34 x^4 + 409 x^3 + 175 x^2 + 313 x + 25}{(x - 1) (x + 1) (16 x^4 + 9 x^3 + 112 x^2 + 9 x + 16)}$$

Sequence: A061102
Score: 13.4002
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^3 + 105 x^2 + 183 x + 32)}{(x - 1) (8 x^3 + 93 x^2 + 60 x + 1)}$$

Sequence: A061102
Score: 3.89179
Type of gen. func.: ogf

$$\{(-69 n^2 - 313 n - 350) a(n + 1) + (108 n^2 + 424 n + 800) a(n + 2)$$

$$+ (-39 n^2 - 201 n - 252) a(n + 3), a(0) = 1, a(1) = 64, a(2) = 343\}$$

Sequence: A061102
Score: 5.10962
Type of gen. func.: ogf

$$(2227 f(x) + 124947) ($$

$$f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 8 x^3 - 4 f(x) x - 93 x^2 + f(x) - 60 x - 1$$

$$)$$

Sequence: A061102
Score: 9.50778
Type of gen. func.: ogf

$$\frac{8 x^3 + 93 x^2 + 60 x + 1}{(x - 1)^4}$$

Sequence: A061103
Score: 10.0360
Type of gen. func.: ogf

$$\frac{x^3 + 60 x^2 + 93 x + 8}{(x - 1)^4}$$

Sequence: A061103
Score: 15.5724
Type of gen. func.: lgdogf

$$- \frac{x^3 + 123 x^2 + 399 x + 125}{(x - 1) (x^3 + 60 x^2 + 93 x + 8)}$$

Sequence: A061103
Score: 4.06586
Type of gen. func.: ogf

$$\{(39 n^2 + 189 n + 222) a(n + 1) + (-108 n^2 - 656 n - 1380) a(n + 2)$$

$$+ (69 n^2 + 377 n + 510) a(n + 3), a(0) = 8, a(1) = 125, a(2) = 512\}$$

Sequence: A061103
Score: 5.35704
Type of gen. func.: ogf

$$(12692 f(x) + 876367)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 60 x^2 + f(x) - 93 x - 8)$$

Sequence: A061162
Score: 11.2753
Type of gen. func.: ogf

$$\mathrm{hypergeom}([1/6, 5/6], [1/2], 108 x)$$

Sequence: A061162
Score: 4.88302
Type of gen. func.: ogf

$$\{(216 n^2 + 648 n + 462) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2), a(0) = 1, a(1) = 30\}$$

Sequence: A061165
Score: 12.2947
Type of gen. func.: lgdogf

$$-\frac{6 x^4 + 8 x^3 + 6 x^2 - 8 x + 3}{(x - 1) (6 x^4 - 8 x^3 + 10 x^2 - 7 x + 2)}$$

Sequence: A061165
Score: 7.70874
Type of gen. func.: ogf

$$-\frac{6 x^4 - 8 x^3 + 10 x^2 - 7 x + 2}{(x - 1)^5}$$

Sequence: A061166
Score: 5.45933
Type of gen. func.: ogf

$$-\frac{38 x^6 - 29 x^5 + 32 x^4 - 35 x^3 + 26 x^2 - 11 x + 2}{(x - 1)^7}$$

Sequence: A061166
Score: 7.60951
Type of gen. func.: lgdogf

$$-\frac{38 x^6 + 170 x^5 - 49 x^4 - 12 x^3 + 25 x^2 - 14 x + 3}{(x - 1) (38 x^6 - 29 x^5 + 32 x^4 - 35 x^3 + 26 x^2 - 11 x + 2)}$$

Sequence: A061167
Score: 35.9751
Type of gen. func.: ogf_with_Euler_transform]

[8 - 2 x]

Sequence: A061167
Score: 37.7766
Type of gen. func.: lgdogf

$$-\frac{4 (x + 2)}{(x - 1) (x + 1)}$$

Sequence: A061167
Score: 5.73280
Type of gen. func.: ogf

{(n + 1) a(n + 3) - 8 a(n + 2) + (-n - 3) a(n + 1), a(0) = 0, a(1) = 0,

a(2) = 30}

Sequence: A061167
Score: 7.70165
Type of gen. func.: ogf

$$\frac{30 x^2 (x + 1)^2}{(x - 1)^6}$$

Sequence: A061169

Score: 5.12163
Type of gen. func.: ogf

$$\frac{(x + 1) (12 x^3 - 35 x^2 + 29 x + 1)}{(x^2 - 3 x + 1)^3}$$

Sequence: A061169
Score: 6.61525
Type of gen. func.: lgdogf

$$- \frac{3 (8 x^5 - 11 x^4 - 24 x^3 + 79 x^2 - 54 x - 13)}{(x + 1) (x^2 - 3 x + 1) (12 x^3 - 35 x^2 + 29 x + 1)}$$

Sequence: A061170
Score: 3.60670
Type of gen. func.: ogf

$$\frac{16 x^6 - 72 x^5 + 193 x^4 - 278 x^3 + 123 x^2 + 58 x + 1}{(x^2 - 3 x + 1)^4}$$

Sequence: A061171
Score: 11.3662
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 3 x^2 - 13 x + 19}{(2 x - 3) (x + 1) (x^2 - 3 x + 1)}$$

Sequence: A061171
Score: 4.13421
Type of gen. func.: ogf

$$(2810 f(x) - 159)$$

$$(f(x) x^4 - 6 f(x) x^3 + 11 f(x) x^2 - 6 f(x) x + 2 x^2 + f(x) - x - 3)$$

Sequence: A061171
Score: 7.97310
Type of gen. func.: ogf

$$-\frac{(x + 1) (2 x - 3)}{(x^2 - 3 x + 1)^2}$$

Sequence: A061172
Score: 5.23544
Type of gen. func.: ogf

$$-\frac{(2 x - 3) (4 x^3 - 9 x^2 + 15 x + 3)}{(x^2 - 3 x + 1)^3}$$

Sequence: A061172
Score: 6.76560
Type of gen. func.: lgdogf

$$-\frac{2 (8 x^5 - 33 x^4 + 98 x^3 - 138 x^2 + 33 x + 60)}{(2 x - 3) (x^2 - 3 x + 1) (4 x^3 - 9 x^2 + 15 x + 3)}$$

Sequence: A061173
Score: 4.16158
Type of gen. func.: ogf

$$-\frac{(x + 1) (2 x - 3) (4 x^3 - 11 x^2 + 11 x + 1)}{(x^2 - 3 x + 1)^4}$$

Sequence: A061173
Score: 5.89876
Type of gen. func.: lgdogf

$$-\frac{24 x^6 - 80 x^5 + 65 x^4 + 185 x^3 - 445 x^2 + 234 x + 70}{(2 x - 3) (x + 1) (x^2 - 3 x + 1) (4 x^3 - 11 x^2 + 11 x + 1)}$$

Sequence: A061178
Score: 11.3562
Type of gen. func.: lgdogf

$$-\frac{3\,(x^4 - x^2 - 2\,x + 3)}{(x - 1)\,(x^2 + x + 1)\,(x^2 - 3\,x + 1)}$$

Sequence: A061178
Score: 6.36607
Type of gen. func.: ogf

$$-\frac{(x - 1)\,(x^2 + x + 1)}{(x^2 - 3\,x + 1)^3}$$

Sequence: A061179
Score: 4.55137
Type of gen. func.: ogf

$$\frac{x^4 + 2\,x^3 - 5\,x^2 + 2\,x + 1}{(x^2 - 3\,x + 1)^4}$$

Sequence: A061179
Score: 8.19798
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^5 + 5\,x^4 - 20\,x^3 + 19\,x^2 - 7)}{(x^2 - 3\,x + 1)\,(x^4 + 2\,x^3 - 5\,x^2 + 2\,x + 1)}$$

Sequence: A061180
Score: 3.62259
Type of gen. func.: ogf

4   3   2

$$-\frac{(x-1)(x + 6x - 9x + 6x + 1)}{(x^2 - 3x + 1)^5}$$

Sequence: A061180
Score: 6.74930
Type of gen. func.: lgdogf

$$-\frac{5(x^6 + 6x^5 - 25x^4 + 38x^3 - 27x^2 + 4x + 4)}{(x-1)(x^2 - 3x + 1)(x^4 + 6x^3 - 9x^2 + 6x + 1)}$$

Sequence: A061182
Score: 10.3431
Type of gen. func.: lgdogf

$$-\frac{2(6x^3 - 17x^2 + 21x - 11)}{(3x^2 - 5x + 3)(x^2 - 3x + 1)}$$

Sequence: A061182
Score: 6.25233
Type of gen. func.: ogf

$$\frac{3x^2 - 5x + 3}{(x^2 - 3x + 1)^3}$$

Sequence: A061183
Score: 4.77942
Type of gen. func.: ogf

$$-\frac{(x-1)(x^2 - x + 1)}{(x^2 - 3x + 1)^4}$$

Sequence: A061183
Score: 9.59288

Type of gen. func.: lgdogf

$$-\frac{5x^4-15x^3+23x^2-22x+10}{(x-1)(x^2-3x+1)(x^2-x+1)}$$

Sequence: A061184
Score: 6.31630
Type of gen. func.: lgdogf

$$-\frac{30x^5-85x^4+128x^3-159x^2+148x-65}{(x^2-3x+1)(5x^4-10x^3+11x^2-10x+5)}$$

Sequence: A061185
Score: 5.55428
Type of gen. func.: lgdogf

$$-\frac{21x^6-49x^5+42x^4-37x^3+82x^2-105x+49}{(x-1)(x^2+x+1)(3x^2-5x+3)(x^2-3x+1)}$$

Sequence: A061206
Score: 19.3792
Type of gen. func.: lgdegf]

$$-\frac{10(2x+1)}{(4x+1)(x-1)}$$

Sequence: A061206
Score: 6.35936
Type of gen. func.: ogf

$$\{(-n^2-9n-18)a(n+1)+(n+2)a(n+2), a(0)=1, a(1)=10\}$$

Sequence: A061206
Score: 9.06209
Type of gen. func.: egf]

$$\frac{4 x + 1}{(x - 1)^{6}}$$

Sequence: A061208
Score: 6.53404
Type of gen. func.: ogf

$$- \frac{x^{28} - x^{27} + x^{19} - x^{18} + x^{9} - x^{8} + x^{6} - x^{5} + x^{4} - x^{3} + x^{2} - x - 1}{(x - 1)^{2}}$$

Sequence: A061222
Score: 12.9053
Type of gen. func.: lgdogf

$$- \frac{2 (x^{4} - 3 x^{3} + 17 x + 45)}{(x - 1) (2 x^{4} - 7 x^{3} + 7 x^{2} + 5 x + 17)}$$

Sequence: A061222
Score: 7.53935
Type of gen. func.: ogf

$$- \frac{2 x^{4} - 7 x^{3} + 7 x^{2} + 5 x + 17}{(x - 1)^{5}}$$

Sequence: A061223
Score: 6.57870
Type of gen. func.: ogf

$$\frac{7 x^{4} - 30 x^{3} + 48 x^{2} + 62 x + 33}{(x - 1)^{6}}$$

Sequence: A061223
Score: 9.95759
Type of gen. func.: lgdogf

$$-\frac{2\,(7\,x^4-31\,x^3+51\,x^2+203\,x+130)}{(x-1)\,(7\,x^4-30\,x^3+48\,x^2+62\,x+33)}$$

Sequence: A061224
Score: 5.63494
Type of gen. func.: ogf

$$-\frac{2\,(17\,x^5-100\,x^4+244\,x^3-314\,x^2+223\,x-130)}{(x-1)^6}$$

Sequence: A061224
Score: 7.30934
Type of gen. func.: lgdogf

$$-\frac{17\,x^5-115\,x^4+332\,x^3-524\,x^2+487\,x-557}{(x-1)\,(17\,x^5-100\,x^4+244\,x^3-314\,x^2+223\,x-130)}$$

Sequence: A061225
Score: 4.61743
Type of gen. func.: ogf

$$-\frac{2\,(32\,x^6-227\,x^5+687\,x^4-1148\,x^3+1124\,x^2-489\,x+381)}{(x-1)^7}$$

Sequence: A061225
Score: 5.76010
Type of gen. func.: lgdogf

$$-\frac{2\,(16\,x^6-131\,x^5+463\,x^4-922\,x^3+1088\,x^2-343\,x+1089)}{(x-1)\,(32\,x^6-227\,x^5+687\,x^4-1148\,x^3+1124\,x^2-489\,x+381)}$$

Sequence: A061252
Score: 13.8598
Type of gen. func.: revogf

$$-\frac{-31 x - 1 + (x^2 + 62 x + 1)^{1/2}}{480 x}$$

Sequence: A061252
Score: 14.4809
Type of gen. func.: ogf

$$\frac{x}{(16 x - 1) (15 x - 1)}$$

Sequence: A061252
Score: 17.0937
Type of gen. func.: lgdogf

$$-\frac{-31 + 480 x}{(16 x - 1) (15 x - 1)}$$

Sequence: A061252
Score: 6.20608
Type of gen. func.: ogf

$$\{a(n + 2) - 31 a(n + 1) + 240 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A061252
Score: 8.40825
Type of gen. func.: ogf

$$-240 f(x) x^2 + 31 f(x) x - f(x) + x$$

Sequence: A061253
Score: 12.5139
Type of gen. func.: ogf

$$-\frac{27x-5}{(9x-1)(3x-1)}$$

Sequence: A061253
Score: 13.0864
Type of gen. func.: lgdogf

$$-\frac{3(243x^2-90x+11)}{(27x-5)(3x-1)(9x-1)}$$

Sequence: A061253
Score: 13.3838
Type of gen. func.: revogf

$$-\frac{-5-12x+(36x^2+12x+25)^{1/2}}{54(x+1)}$$

Sequence: A061253
Score: 6.39006
Type of gen. func.: ogf

$$-(14f(x)+51)(27f(x)x^2-12f(x)x+f(x)+27x-5)$$

Sequence: A061253
Score: 7.06666
Type of gen. func.: ogf

$$\{a(n+2)-12a(n+1)+27a(n),\ a(0)=5,\ a(1)=33\}$$

Sequence: A061263
Score: 14.4994
Type of gen. func.: lgdogf

$$-\frac{4x^4-7x^3+15x^2+5x+7}{(x-1)(x^2+x+1)(x^2-2x+3)}$$

Sequence: A061263
Score: 8.61654
Type of gen. func.: ogf

$$\frac{x^3 (x^2 - 2 x + 3)}{(x^2 + x + 1) (x - 1)^4}$$

Sequence: A061278
Score: 10.0159
Type of gen. func.: ogf

$$f(x) x^3 - 5 f(x) x^2 + 5 f(x) x - f(x) + x$$

Sequence: A061278
Score: 18.8104
Type of gen. func.: ogf

$$- \frac{x}{(x - 1) (x^2 - 4 x + 1)}$$

Sequence: A061278
Score: 23.0709
Type of gen. func.: lgdogf

$$- \frac{3 x^2 - 10 x + 5}{(x - 1) (x^2 - 4 x + 1)}$$

Sequence: A061278
Score: 6.94799
Type of gen. func.: ogf

{a(n + 3) - 5 a(n + 2) + 5 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 5}

Sequence: A061279
Score: 11.9401
Type of gen. func.: ogf

$$-\frac{(x+1)^2}{2x^3+2x^2-1}$$

Sequence: A061279
Score: 15.8686
Type of gen. func.: lgdogf

$$-\frac{2(x^3+3x^2+2x+1)}{(x+1)(2x^3+2x^2-1)}$$

Sequence: A061279
Score: 7.16408
Type of gen. func.: ogf

$$(14 f(x) - 11)(2 f(x) x^3 + 2 f(x) x^2 + x^2 - f(x) + 2x + 1)$$

Sequence: A061279
Score: 7.24029
Type of gen. func.: ogf

$$\{-a(n+3) + 2 a(n+1) + 2 a(n), a(0) = 1, a(1) = 2, a(2) = 3\}$$

Sequence: A061316
Score: 10.0143
Type of gen. func.: ogf

$$-\frac{3x(x^2+1)}{(x-1)^5}$$

Sequence: A061316
Score: 25.7025
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^3 + x + 5]$$

Sequence: A061316
Score: 26.4371
Type of gen. func.: lgdogf

$$-\frac{3x^2 + 2x + 5}{(x - 1)(x^2 + 1)}$$

Sequence: A061316
Score: 3.81254
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-7 - n) a(n + 3) + (-1 + n) a(n + 2) + (-n - 3) a(n + 1),$$

$$a(0) = 0, a(1) = 3, a(2) = 15, a(3) = 48\}$$

Sequence: A061317
Score: 10.3383
Type of gen. func.: ogf

$$\frac{3x(x + 1)^2}{(x - 1)^4}$$

Sequence: A061317
Score: 35.6830
Type of gen. func.: ogf_with_Euler_transform]

$$[6 - 2x]$$

Sequence: A061317
Score: 37.1851
Type of gen. func.: lgdogf

$$-\frac{2(x + 3)}{(x - 1)(x + 1)}$$

Sequence: A061317
Score: 5.35244
Type of gen. func.: ogf

$$-\frac{280 f(x) + 753}{f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 3 x^3 - 4 f(x) x - 6 x^2 + f(x) - 3 x}$$

Sequence: A061317
Score: 5.63204
Type of gen. func.: ogf

{(n + 2) a(n + 3) - 6 a(n + 2) + (-2 - n) a(n + 1), a(0) = 0, a(1) = 3,

a(2) = 18}

Sequence: A061318
Score: 3.83790
Type of gen. func.: ogf

$$-\frac{4 x (x^6 + x^5 + 22 x^4 + 22 x^3 + 22 x^2 + x + 1)}{(x - 1)^9}$$

Sequence: A061318
Score: 6.69381
Type of gen. func.: lgdogf

$$-\frac{3 x^6 + 10 x^5 + 115 x^4 + 220 x^3 + 220 x^2 + 52 x + 10}{(x - 1) (x^6 + x^5 + 22 x^4 + 22 x^3 + 22 x^2 + x + 1)}$$

Sequence: A061319
Score: 4.35749
Type of gen. func.: ogf

$$-\frac{x (x^6 + x^5 + 22 x^4 + 22 x^3 + 22 x^2 + x + 1)}{{}^9}$$

$$(x - 1)$$

Sequence: A061319
Score: 7.61105
Type of gen. func.: lgdogf

$$-\frac{3 x^6 + 10 x^5 + 115 x^4 + 220 x^3 + 220 x^2 + 52 x + 10}{(x - 1) (x^6 + x^5 + 22 x^4 + 22 x^3 + 22 x^2 + x + 1)}$$

Sequence: A061347
Score: 12.5048
Type of gen. func.: ogf

$$\{a(n + 2) + a(n + 1) + a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A061347
Score: 16.276
Type of gen. func.: ogf

$$f(x) x^2 + f(x) x + f(x) - 2 x - 1$$

Sequence: A061347
Score: 22.7864
Type of gen. func.: ogf

$$\frac{2 x + 1}{x^2 + x + 1}$$

Sequence: A061347
Score: 30.1337
Type of gen. func.: revogf

$$-\frac{-1 + x + (-3 x^2 + 6 x + 1)^{1/2}}{2 (x - 2)}$$

Sequence: A061347
Score: 35.6126
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 2 x - 1}{(2 x + 1) (x^2 + x + 1)}$$

Sequence: A061349
Score: 10.7392
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 + 7 x^4 + 14 x^3 + 20 x^2 + 11 x + 3)}{(x - 1) (x + 1) (x^4 + 4 x^3 + 4 x^2 + 4 x + 1)}$$

Sequence: A061349
Score: 7.36855
Type of gen. func.: ogf

$$\frac{x (x^4 + 4 x^3 + 4 x^2 + 4 x + 1)}{(x + 1)^2 (x - 1)^4}$$

Sequence: A061403
Score: 4.46318
Type of gen. func.: ogf

$$\{(4 n^2 + 32 n + 48) a(n + 1) - a(n + 2), a(0) = 384, a(1) = 7680\}$$

Sequence: A061462
Score: 10.5710
Type of gen. func.: ogf

$$-\frac{2 x^8 + x^7 + x^6 + 2 x^5 + 2 x^2 + x + 1}{(x - 1) (x^2 + 1) (x^2 + x + 1) (x^4 - x^2 + 1)}$$

Sequence: A061479
Score: 6.33361
Type of gen. func.: ogf

$$\frac{x\,(x^2 + x + 1)\,(x^6 + x^3 + 1)}{(x - 1)\,(100\,x^9 - 1)}$$

Sequence: A061489
Score: 6.36282
Type of gen. func.: lgdogf

$$(2\,x^{11} + 4\,x^{10} + 6\,x^9 + 7\,x^8 - 4\,x^7 - 15\,x^6 - 30\,x^5 - 41\,x^4 - 34\,x^3 - 22\,x^2 - 10\,x - 2) \Big/ ((x + 1)\,(x^3 + x + 1)\,(x^4 + x^2 - 1)\,(x^4 + x^3 + 2\,x^2 + 2\,x + 1))$$

Sequence: A061489
Score: 6.72223
Type of gen. func.: ogf

$$-\frac{x\,(x^3 + x + 1)\,(x^4 + x^3 + 2\,x^2 + 2\,x + 1)}{(x + 1)\,(x^4 + x^2 - 1)}$$

Sequence: A061495
Score: 4.63528
Type of gen. func.: ogf

$$\{(9\,n^3 + 99\,n^2 + 362\,n + 440)\,a(n + 1) + (-9\,n^3 - 45\,n^2 - 74\,n - 40)\,a(n + 3),$$
$$a(0) = 6,\ a(1) = 60,\ a(2) = 504\}$$

Sequence: A061495
Score: 6.34126
Type of gen. func.: lgdogf

7 6 5 4 3 2

$$-\frac{2\,(10\,x + 42\,x + 280\,x + 245\,x + 490\,x + 140\,x + 84\,x + 5)}{(x - 1)\,(x + 1)\,(10\,x^{6} + 28\,x^{5} + 125\,x^{4} + 70\,x^{3} + 80\,x^{2} + 10\,x + 1)}$$

Sequence: A061495
Score: 6.40877
Type of gen. func.: ogf

$$\frac{6\,(10\,x^{6} + 28\,x^{5} + 125\,x^{4} + 70\,x^{3} + 80\,x^{2} + 10\,x + 1)}{(x - 1)^{4}\,(x + 1)^{4}}$$

Sequence: A061501
Score: 6.52166
Type of gen. func.: ogf

$$-(x^{12} + 3\,x^{11} + 6\,x^{10} + 10\,x^{9} + 5\,x^{8} - 5\,x^{6} + 5\,x^{4} + 10\,x^{3} + 6\,x^{2} + 3\,x + 1)\,(x^{2} - x + 1) \Big/ \left((x - 1)\,(x^{2} + 1)\,(x^{4} + x^{3} + x^{2} + x + 1)\,(x^{8} - x^{6} + x^{4} - x^{2} + 1)\right)$$

Sequence: A061504
Score: 12.6523
Type of gen. func.: ogf

$$-\frac{3\,x^{5} + 2\,x^{4} + 6\,x^{3} + 4\,x^{2} + 2\,x + 1}{(x - 1)\,(x + 1)\,(x^{2} + 1)}$$

Sequence: A061504
Score: 9.14382
Type of gen. func.: lgdogf

$$\frac{3\,x^{8} - 6\,x^{6} - 8\,x^{5} - 21\,x^{4} - 12\,x^{3} - 18\,x^{2} - 8\,x - 2}{(x - 1)\,(x + 1)\,(x^{2} + 1)\,(3\,x^{5} + 2\,x^{4} + 6\,x^{3} + 4\,x^{2} + 2\,x + 1)}$$

Sequence: A061506
Score: 4.87596
Type of gen. func.: ogf

$$\{(9 n^3 + 99 n^2 + 362 n + 440) a(n + 1) + (-9 n^3 - 45 n^2 - 74 n - 40) a(n + 3),$$

$$a(0) = 12, a(1) = 120, a(2) = 1008\}$$

Sequence: A061506
Score: 6.20185
Type of gen. func.: lgdogf

$$- \frac{2 (10 x^7 + 42 x^6 + 280 x^5 + 245 x^4 + 490 x^3 + 140 x^2 + 84 x + 5)}{(x - 1) (x + 1) (10 x^6 + 28 x^5 + 125 x^4 + 70 x^3 + 80 x^2 + 10 x + 1)}$$

Sequence: A061506
Score: 6.63786
Type of gen. func.: ogf

$$\frac{12 (10 x^6 + 28 x^5 + 125 x^4 + 70 x^3 + 80 x^2 + 10 x + 1)}{(x - 1)^4 (x + 1)^4}$$

Sequence: A061524
Score: 7.03145
Type of gen. func.: ogf

$$- \frac{25 x^4 - 125 x^3 + 315 x^2 - 415 x + 224}{(x - 1)^5}$$

Sequence: A061524
Score: 9.43958
Type of gen. func.: lgdogf

$$- \frac{5 (5 x^4 - 30 x^3 + 114 x^2 - 206 x + 141)}{(x - 1) (25 x^4 - 125 x^3 + 315 x^2 - 415 x + 224)}$$

Sequence: A061525
Score: 10.2953
Type of gen. func.: lgdogf

$$-\frac{3x^4 - 32x^3 + 6x^2 + 264x - 361}{(x-1)(3x^4 - 22x^3 + 24x^2 + 54x - 83)}$$

Sequence: A061525
Score: 7.21154
Type of gen. func.: ogf

$$\frac{3x^4 - 22x^3 + 24x^2 + 54x - 83}{(x-1)^5}$$

Sequence: A061534
Score: 11.2730
Type of gen. func.: lgdogf

$$-\frac{x^4 + 3}{(x-1)(x+1)(x^3 - x^2 - 3x + 1)}$$

Sequence: A061534
Score: 12.8364
Type of gen. func.: ogf

$$-\frac{(x-1)(x+1)}{x^3 - x^2 - 3x + 1}$$

Sequence: A061534
Score: 6.53282
Type of gen. func.: ogf

$\{a(n+3) - 3a(n+2) - a(n+1) + a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$

Sequence: A061534
Score: 6.83809
Type of gen. func.: ogf

$$(f(x) - 1) (f(x) x^3 - f(x) x^2 - 3 f(x) x + x^2 + f(x) - 1)$$

Sequence: A061539
Score: 4.38732
Type of gen. func.: ogf

$$4 x^3 f(x)^2 - 8 f(x)^2 x^2 - 10 f(x) x^3 + x^4 + 6 f(x)^2 x + 20 f(x) x^2 + 2 x^3 - f(x)^2 - 12 f(x) x - 8 x^2 + 2 f(x) + 6 x - 1$$

Sequence: A061547
Score: 12.0389
Type of gen. func.: ogf

$$\frac{x (x + 1)}{(x - 1) (2 x + 1) (2 x - 1)}$$

Sequence: A061547
Score: 13.2514
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^3 + 4 x^2 - 4 x - 1)}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A061547
Score: 6.18214
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 4 a(n + 1) - 4 a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A061547
Score: 6.63267

Type of gen. func.: ogf

$$(4 f(x) - 5) (4 f(x) x^3 - 4 f(x) x^2 - 5 x^3 - f(x) x + 3 x^2 + f(x) + x - 1)$$

Sequence: A061550
Score: 16.3546
Type of gen. func.: lgdogf

$$- \frac{x^3 - 7 x^2 + 35 x + 35}{(x - 1) (x^3 - 5 x^2 + 15 x + 5)}$$

Sequence: A061550
Score: 5.17364
Type of gen. func.: ogf

$$(256 f(x) + 9537) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 3 x^3 - 4 f(x) x + 15 x^2 + f(x) - 45 x - 15)$$

Sequence: A061550
Score: 7.01102
Type of gen. func.: ogf

$$\{(-2 n - 9) a(n + 1) + (2 n + 3) a(n + 2), a(0) = 15, a(1) = 105\}$$

Sequence: A061550
Score: 9.37724
Type of gen. func.: ogf

$$\frac{3 (x^3 - 5 x^2 + 15 x + 5)}{(x - 1)^4}$$

Sequence: A061551
Score: 10.7418
Type of gen. func.: ogf

$$-\frac{2x-1}{(x-1)(x^3+3x^2-1)}$$

Sequence: A061551
Score: 11.0341
Type of gen. func.: lgdogf

$$-\frac{4x^5+4x^4-4x^3-4x^2+2x+1}{(x-1)(2x^2-1)(x^3+3x^2-1)}$$

Sequence: A061551
Score: 5.96769
Type of gen. func.: ogf

$$f(x)\,(f(x)\,x^4+2\,f(x)\,x^3-3\,f(x)\,x^2-f(x)\,x+2\,x^2+f(x)-1)$$

Sequence: A061557
Score: 13.7234
Type of gen. func.: revogf

$$\frac{-6-5x+((9+8x)(x+2)^2)^{1/2}}{2(x+1)^2}$$

Sequence: A061557
Score: 3.33266
Type of gen. func.: ogf

$$\{(-4n^2-18n-20)\,a(n+1)+(37n^2+276n+500)\,a(n+2)$$

$$+(-9n^2-81n-162)\,a(n+3),\ a(0)=3,\ a(1)=8,\ a(2)=23\}$$

Sequence: A061557
Score: 7.61164
Type of gen. func.: ogf

$$x^3 f(x)^2 + 2 f(x) x^2 + 5 f(x) x - 2 f(x) + x + 6$$

Sequence: A061561
Score: 6.05993
Type of gen. func.: ogf

$$-\frac{112 x^9 + 80 x^8 - 60 x^7 - 48 x^6 - 90 x^5 - 72 x^4 + 18 x^2 + 35 x + 22}{(x - 1) (x + 1) (2 x^2 - 1) (2 x^4 - 1)}$$

Sequence: A061570
Score: 14.7971
Type of gen. func.: ogf

$$-\frac{x (4 x^2 - 6 x - 1)}{(x - 1)^2}$$

Sequence: A061570
Score: 29.6840
Type of gen. func.: lgdogf

$$-\frac{2 (x - 4)}{(x - 1) (4 x^2 - 6 x - 1)}$$

Sequence: A061570
Score: 7.39854
Type of gen. func.: ogf

$$\{-a(n + 4) + 2 a(n + 3) - a(n + 2), a(0) = 0, a(1) = 1, a(2) = 8, a(3) = 11\}$$

Sequence: A061570
Score: 8.18869
Type of gen. func.: ogf

$$(831 f(x) + 20246) (f(x) x^2 + 4 x^3 - 2 f(x) x - 6 x^2 + f(x) - x)$$

Sequence: A061572
Score: 4.21484
Type of gen. func.: ogf

$$\{(n^3 + 9 n^2 + 27 n + 27) a(n + 1) + (-n^2 - 9 n - 19) a(n + 2) + a(n + 3),$$

$$a(0) = 1, a(1) = 5, a(2) = 47\}$$

Sequence: A061573
Score: 4.18898
Type of gen. func.: ogf

$$\{(-n^3 - 10 n^2 - 33 n - 36) a(n + 1) + (n^2 + 9 n + 20) a(n + 2) - a(n + 3),$$

$$a(0) = 1, a(1) = 6, a(2) = 60\}$$

Sequence: A061575
Score: 5.1991
Type of gen. func.: ogf

$$-x^3 f(x)^2 + f(x)^2 x^2 + f(x) x^3 - f(x) x^2 - x^3 - f(x)^2 + x^2 + f(x) - x$$

Sequence: A061587
Score: 11.8195
Type of gen. func.: lgdegf]

$$729 - 243 f(x) + 27 f(x)^2 - f(x)^3$$

Sequence: A061593
Score: 3.33989
Type of gen. func.: ogf

$$\{(-51 n - 285) a(n + 1) + (170 n + 933) a(n + 2) + (-102 n - 519) a(n + 3)$$

$$+ (17 n + 78) a(n + 4), a(0) = 12, a(1) = 79, a(2) = 408, a(3) = 1847\}$$

Sequence: A061593
Score: 4.4532
Type of gen. func.: ogf

$$(60095287487 f(x) + 24123411439) (9 f(x) x^4 - 33 f(x) x^3 + 28 f(x) x^2 + 9 x^3 - 9 f(x) x - 33 x^2 + f(x) + 29 x - 12)$$

Sequence: A061593
Score: 6.93687
Type of gen. func.: lgdogf

$$- \frac{27 x^5 - 189 x^4 + 477 x^3 - 569 x^2 + 369 x - 79}{(3 x - 1) (x^2 - 3 x + 1) (9 x^3 - 33 x^2 + 29 x - 12)}$$

Sequence: A061593
Score: 8.79777
Type of gen. func.: ogf

$$- \frac{9 x^3 - 33 x^2 + 29 x - 12}{(x^2 - 3 x + 1) (3 x - 1)^2}$$

Sequence: A061594
Score: 4.30773
Type of gen. func.: ogf

$$\frac{20 x^5 - 60 x^4 + 20 x^3 + 52 x^2 - 13 x - 1}{(3 x - 1) (4 x - 1)^2 (2 x^2 - 4 x + 1)^2}$$

Sequence: A061600
Score: 10.0315
Type of gen. func.: ogf

$$- \frac{x^3 - 9 x^2 + 3 x - 1}{(x - 1)^4}$$

Sequence: A061600
Score: 17.2175
Type of gen. func.: lgdogf

$$-\frac{x^3 - 15 x^2 - 9 x - 1}{(x - 1) (x^3 - 9 x^2 + 3 x - 1)}$$

Sequence: A061600
Score: 4.29124
Type of gen. func.: ogf

$$\{(7 n^2 + 37 n + 46) a(n + 1) + (-10 n^2 - 36 n - 28) a(n + 2)$$

$$+ (3 n^2 + 11 n + 6) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 7\}$$

Sequence: A061600
Score: 5.51731
Type of gen. func.: ogf

$$(61 f(x) + 191)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + x^3 - 4 f(x) x - 9 x^2 + f(x) + 3 x - 1)$$

Sequence: A061601
Score: 13.2836
Type of gen. func.: lgdogf

$$\frac{2 (405 x^{11} - 855 x^{10} + 450 x^9 - 5 x + 4)}{(x - 1) (90 x^{11} - 90 x^{10} + 10 x - 9)}$$

Sequence: A061601
Score: 13.4780
Type of gen. func.: ogf

$$-\frac{90 x^{11} - 90 x^{10} + 10 x - 9}{(x - 1)^2}$$

Sequence: A061603
Score: 25.2146
Type of gen. func.: lgdegf]

$$1 - 3 f(x) + 3 f(x)^2 - f(x)^3$$

Sequence: A061639
Score: 11.4581
Type of gen. func.: revogf

$$\frac{-1 + x - x^2 + (-(x^2 - x + 1) (3 x^2 - 3 x - 1))^{1/2}}{2 (x^2 - x + 1)}$$

Sequence: A061639
Score: 6.65704
Type of gen. func.: ogf

$$-f(x)^2 x^2 - f(x)^2 x + f(x) x^2 - f(x)^2 + f(x) x - x^2 + f(x) - x$$

Sequence: A061640
Score: 2.99928
Type of gen. func.: ogf

$$\{(n^3 + 7 n^2 + 16 n + 12) a(n + 1) + (-n^2 - 6 n - 9) a(n + 2) + a(n + 3),$$
$$a(0) = 0, a(1) = 1, a(2) = 4\}$$

Sequence: A061646
Score: 12.4412
Type of gen. func.: ogf

$$-\frac{3 x^2 + x - 1}{(x^2 - 3 x + 1) (x + 1)}$$

Sequence: A061646
Score: 13.7996
Type of gen. func.: lgdogf

$$-\frac{3 x^4 + 2 x^3 + x^2 - 2 x + 1}{(x + 1) (x^2 - 3 x + 1) (3 x^2 + x - 1)}$$

Sequence: A061646
Score: 6.77600
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A061646
Score: 8.52709
Type of gen. func.: ogf

$$-f(x) x^3 + 2 f(x) x^2 + 2 f(x) x - 3 x^2 - f(x) - x + 1$$

Sequence: A061647
Score: 11.7531
Type of gen. func.: lgdogf

$$-\frac{x^4 + 2 x^3 + 3 x^2 - 6 x - 3}{(x + 1) (x^2 + x + 1) (x^2 - 3 x + 1)}$$

Sequence: A061647
Score: 12.9915
Type of gen. func.: ogf

$$\frac{x^2 + x + 1}{(x^2 - 3 x + 1) (x + 1)}$$

Sequence: A061647
Score: 7.07571

Type of gen. func.: ogf

$$(32 f(x) - 5) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x - x^2 + f(x) - x - 1)$$

Sequence: A061647
Score: 7.07571
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A061648
Score: 6.25574
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^7 + 2 x^6 - 28 x^5 + 52 x^4 - 43 x^3 + 26 x^2 - 13 x + 3)}{(x - 1) (x^2 - 3 x + 1) (2 x^5 - 9 x^3 + 8 x^2 - 4 x + 1)}$$

Sequence: A061648
Score: 6.70632
Type of gen. func.: ogf

$$- \frac{2 x^5 - 9 x^3 + 8 x^2 - 4 x + 1}{(x - 1) (x^2 - 3 x + 1)^3}$$

Sequence: A061650
Score: 15.2492
Type of gen. func.: ogf

$$\frac{1}{(20 x - 1)^2}$$

Sequence: A061650
Score: 22.4118
Type of gen. func.: revogf

$$4 x$$

$$\frac{\qquad}{(1 + (1 + 80 x)^{1/2})^{2}}$$

Sequence: A061650
Score: 41.3756
Type of gen. func.: lgdogf

$$- \frac{40}{20 x - 1}$$

Sequence: A061650
Score: 6.38341
Type of gen. func.: ogf

$$\{-a(n + 2) + 40 a(n + 1) - 400 a(n), a(0) = 1, a(1) = 40\}$$

Sequence: A061650
Score: 8.39908
Type of gen. func.: ogf

$$(5 f(x) + 11) (400 f(x) x^{2} - 40 f(x) x + f(x) - 1)$$

Sequence: A061654
Score: 13.0989
Type of gen. func.: ogf

$$- \frac{7 x - 1}{(16 x - 1) (x - 1)}$$

Sequence: A061654
Score: 13.4242
Type of gen. func.: revogf

$$- \frac{-17 x - 1 + (225 x^{2} + 6 x + 1)^{1/2}}{2 (7 + 16 x)}$$

Sequence: A061654
Score: 14.3830
Type of gen. func.: lgdogf

$$-\frac{2\,(56\,x^2 - 16\,x + 5)}{(x - 1)\,(7\,x - 1)\,(16\,x - 1)}$$

Sequence: A061654
Score: 6.61988
Type of gen. func.: ogf

$$-(69\,f(x) - 19)\,(16\,f(x)\,x^2 - 17\,f(x)\,x + f(x) + 7\,x - 1)$$

Sequence: A061654
Score: 7.24293
Type of gen. func.: ogf

$$\{a(n + 2) - 17\,a(n + 1) + 16\,a(n),\ a(0) = 1,\ a(1) = 10\}$$

Sequence: A061667
Score: 12.3100
Type of gen. func.: ogf

$$-\frac{(x - 1)^2}{(2\,x - 1)\,(x^2 - 3\,x + 1)}$$

Sequence: A061667
Score: 15.3633
Type of gen. func.: lgdogf

$$-\frac{2\,x^3 - 6\,x^2 + 9\,x - 3}{(x - 1)\,(2\,x - 1)\,(x^2 - 3\,x + 1)}$$

Sequence: A061667
Score: 6.70453
Type of gen. func.: ogf

$$(17 f(x) + 1) (2 f(x) x^3 - 7 f(x) x^2 + 5 f(x) x + x^2 - f(x) - 2 x + 1)$$

Sequence: A061667
Score: 6.70454
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 7 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A061679
Score: 10.8964
Type of gen. func.: lgdogf

$$- \frac{7 x^3 - 41 x^2 - 119 x - 87}{(x - 1) (7 x^3 - 31 x^2 - 19 x - 17)}$$

Sequence: A061679
Score: 4.15181
Type of gen. func.: ogf

$$(231 f(x) + 9017) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 7 x^3 - 4 f(x) x - 31 x^2$$
$$+ f(x) - 19 x - 17)$$

Sequence: A061679
Score: 7.52515
Type of gen. func.: ogf

$$- \frac{7 x^3 - 31 x^2 - 19 x - 17}{(x - 1)^4}$$

Sequence: A061681
Score: 5.54332
Type of gen. func.: ogf

$$- (8 x^{28} - x^{27} - x^{26} - x^{24} - x^{22} - x^{20} - x^{18} - x^{14} - x^9 + 7 x^5 - 4 x^4 - 2 x^3$$

$$- x^{2} - 1\Big) \Big/ (x - 1)^{2}$$

Sequence: A061703
Score: 4.15066
Type of gen. func.: ogf

$$-(2331 f(x) + 16427) (f(x) x^{4} - 2 f(x) x^{3} + 4 x^{4} - 2 f(x) x^{2} - 6 x^{3} + 4 f(x) x - 4 x^{2} - f(x) + 4 x)$$

Sequence: A061703
Score: 7.78889
Type of gen. func.: ogf

$$- \frac{2 x (2 x^{3} - 3 x^{2} - 2 x + 2)}{(x - 1) (x^{3} - x^{2} - 3 x + 1)}$$

Sequence: A061703
Score: 8.39519
Type of gen. func.: lgdogf

$$- \frac{2 (x^{6} - 3 x^{5} + 2 x^{4} + 5 x^{2} - 7 x + 3)}{(x - 1) (x^{3} - x^{2} - 3 x + 1) (2 x^{3} - 3 x^{2} - 2 x + 2)}$$

Sequence: A061705
Score: 10.1120
Type of gen. func.: ogf

$$- \frac{2 x^{3} + 2 x^{2} - x - 2}{(x^{2} + x - 1)^{2}}$$

Sequence: A061705
Score: 12.3967
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 2 x^3 + 3 x^2 - 5 x - 5}{(x^2 + x - 1) (2 x^3 + 2 x^2 - x - 2)}$$

Sequence: A061705
Score: 5.52214
Type of gen. func.: ogf

$$(425 f(x) + 108)$$

$$(f(x) x^4 + 2 f(x) x^3 - f(x) x^2 + 2 x^3 - 2 f(x) x + 2 x^2 + f(x) - x - 2)$$

Sequence: A061706
Score: 3.46648
Type of gen. func.: ogf

$$\frac{x^2 (x - 1)^8}{4 x^9 + x^8 - 79 x^7 + 166 x^6 - 225 x^5 + 206 x^4 - 129 x^3 + 50 x^2 - 11 x + 1}$$

Sequence: A061709
Score: 4.30873
Type of gen. func.: ogf

$$-(23681 f(x) + 135843) (128 f(x) x^4 - 80 f(x) x^3 + 64 x^4 - 8 f(x) x^2 + 16 x^3$$

$$+ 10 f(x) x - 12 x^2 - f(x) - 6 x + 1)$$

Sequence: A061709
Score: 5.97306
Type of gen. func.: lgdogf

$$-\frac{4 (1792 x^6 - 512 x^5 - 784 x^4 + 352 x^3 - 6 x^2 - 10 x + 1)}{(8 x - 1) (2 x - 1) (8 x^2 - 1) (64 x^4 + 16 x^3 - 12 x^2 - 6 x + 1)}$$

Sequence: A061709
Score: 7.72760
Type of gen. func.: ogf

$$-\frac{64 x^4 + 16 x^3 - 12 x^2 - 6 x + 1}{(8 x - 1) (2 x - 1) (8 x^2 - 1)}$$

Sequence: A061722
Score: 12.5393
Type of gen. func.: ogf

$$-\frac{17 x^2 - 4 x + 7}{(x - 1)^3}$$

Sequence: A061722
Score: 21.1801
Type of gen. func.: lgdogf

$$-\frac{7 x^2 + 6 x + 47}{(x - 1) (7 x^2 - 4 x + 17)}$$

Sequence: A061722
Score: 6.70203
Type of gen. func.: ogf

$$(101 f(x) - 455) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 17 x^2 - f(x) - 4 x + 7)$$

Sequence: A061722
Score: 6.81961
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 7, a(1) = 17, a(2) = 47\}$$

Sequence: A061726
Score: 6.01764
Type of gen. func.: ogf

$$-\frac{2\,(2x^6+9x^4-4x^3+9x^2+2)}{(x^2+1)^3\,(x-1)^3}$$

Sequence: A061726
Score: 9.37625
Type of gen. func.: lgdogf

$$-\frac{3\,(2x^8+13x^6-10x^5+22x^4+5x^2+2x+2)}{(x-1)\,(x^2+1)\,(2x^6+9x^4-4x^3+9x^2+2)}$$

Sequence: A061727
Score: 4.76734
Type of gen. func.: ogf

$$-\frac{4x^{13}+x^{12}+18x^9+3x^8-8x^7+18x^5+3x^4+4x+1}{(x-1)^3\,(x+1)^3\,(x^4+1)^3}$$

Sequence: A061761
Score: 12.2821
Type of gen. func.: ogf

$$\frac{x\,(5x-3)}{(2x-1)\,(x-1)^2}$$

Sequence: A061761
Score: 17.6842
Type of gen. func.: lgdogf

$$-\frac{20x^2-23x+7}{(x-1)\,(5x-3)\,(2x-1)}$$

Sequence: A061761

Score: 6.30702
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 0, a(1) = 3, a(2) = 7\}$$

Sequence: A061761
Score: 6.42274
Type of gen. func.: ogf

$$(4 f(x) + 145) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x - 5 x^2 - f(x) + 3 x)$$

Sequence: A061776
Score: 10.2274
Type of gen. func.: ogf

$$\frac{(2 x + 1) (x^2 + 1)}{(x - 1) (2 x^2 - 1)}$$

Sequence: A061776
Score: 11.7143
Type of gen. func.: lgdogf

$$- \frac{3 (2 x^4 + 4 x^3 - x^2 - 2 x - 1)}{(x - 1) (2 x + 1) (2 x^2 - 1) (x^2 + 1)}$$

Sequence: A061776
Score: 5.30595
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3) - 2 a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 6, a(3) = 12\}$$

Sequence: A061776
Score: 7.27517
Type of gen. func.: ogf

$$3 \qquad 2 \qquad 3 \qquad 2$$

$$-2 f(x) x + 2 f(x) x + 2 x + f(x) x + x - f(x) + 2 x + 1$$

Sequence: A061777
Score: 10.9422
Type of gen. func.: lgdogf

$$-\frac{2\,(2 x^5 + 4 x^4 + 7 x^3 - x^2 - 4 x - 2)}{(x - 1)\,(2 x + 1)\,(2 x^2 - 1)\,(x^2 + 1)}$$

Sequence: A061777
Score: 3.66482
Type of gen. func.: ogf

$$\{(6 n + 20) a(n + 1) + (-6 n - 14) a(n + 2) + (-3 n - 10) a(n + 3) + (3 n + 7) a(n + 4), a(0) = 1, a(1) = 4, a(2) = 10, a(3) = 22\}$$

Sequence: A061777
Score: 5.33788
Type of gen. func.: ogf

$$(6 f(x) - 11)\,(2 f(x) x^4 - 4 f(x) x^3 + f(x) x^2 + 2 x^3 + 2 f(x) x + x^2 - f(x) + 2 x + 1)$$

Sequence: A061777
Score: 9.56660
Type of gen. func.: ogf

$$-\frac{(2 x + 1)\,(x^2 + 1)}{(2 x^2 - 1)\,(x - 1)^2}$$

Sequence: A061792
Score: 11.8515
Type of gen. func.: ogf

$$-\frac{(x + 6)\,(6 x + 1)}{3}$$

$$(x - 1)$$

Sequence: A061792
Score: 20.0067
Type of gen. func.: lgdogf

$$-\frac{6 x^{2} + 86 x + 55}{(x - 1) (x + 6) (6 x + 1)}$$

Sequence: A061792
Score: 6.28028
Type of gen. func.: ogf

$$(239 f(x) - 5805) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 6 x^{2} - f(x) + 37 x + 6)$$

Sequence: A061792
Score: 6.38950
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 6, a(1) = 55, a(2) = 153\}$$

Sequence: A061793
Score: 12.0186
Type of gen. func.: ogf

$$-\frac{3 x^{2} + 19 x + 3}{(x - 1)^{3}}$$

Sequence: A061793
Score: 20.2888
Type of gen. func.: lgdogf

$$-\frac{(x + 14) (2 + 3 x)}{(x - 1) (3 x^{2} + 19 x + 3)}$$

Sequence: A061793
Score: 6.4796
Type of gen. func.: ogf

$$(61 f(x) - 759) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) + 19 x + 3)$$

Sequence: A061793
Score: 6.53644
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3, a(1) = 28, a(2) = 78\}$$

Sequence: A061800
Score: 14.5827
Type of gen. func.: ogf

$$\frac{3 x^2 - x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A061800
Score: 20.8742
Type of gen. func.: lgdogf

$$- \frac{6 x (x^3 + x + 1)}{(x - 1) (x^2 + x + 1) (3 x^2 - x + 1)}$$

Sequence: A061800
Score: 5.42407
Type of gen. func.: ogf

$$\{(3 n + 10) a(n + 1) + 3 a(n + 2) + 3 a(n + 3) + (-3 n - 7) a(n + 4), a(0) = 1,$$

$$a(1) = 0, a(2) = 3, a(3) = 4\}$$

Sequence: A061800
Score: 7.6685
Type of gen. func.: ogf

$$(612 f(x) + 2263) (f(x) x^4 - f(x) x^3 - f(x) x - 3 x^2 + f(x) + x - 1)$$

Sequence: A061801
Score: 12.2492
Type of gen. func.: ogf

$$\frac{x + 1}{(6 x - 1) (x - 1)}$$

Sequence: A061801
Score: 12.2553
Type of gen. func.: revogf

$$- \frac{-1 - 7 x + (25 x^2 + 18 x + 1)^{1/2}}{2 (6 x - 1)}$$

Sequence: A061801
Score: 14.5738
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^2 + 6 x - 4)}{(x - 1) (6 x - 1) (x + 1)}$$

Sequence: A061801
Score: 6.40947
Type of gen. func.: ogf

$$(11 f(x) + 5) (6 f(x) x^2 - 7 f(x) x + f(x) - x - 1)$$

Sequence: A061801
Score: 6.72212
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) - 6 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A061803
Score: 14.1114
Type of gen. func.: lgdogf

$$-\frac{2\left(x^{3}+19 x^{2}+43 x+9\right)}{(x-1)(x+1)\left(x^{2}+10 x+1\right)}$$

Sequence: A061803
Score: 6.32560
Type of gen. func.: ogf

$$\frac{\left(x^{2}+10 x+1\right)(x+1)^{2}}{(x-1)^{6}}$$

Sequence: A061804
Score: 10.8422
Type of gen. func.: ogf

$$\frac{6 x(x+1)^{2}}{(x-1)^{4}}$$

Sequence: A061804
Score: 37.9349
Type of gen. func.: ogf_with_Euler_transform]

$$[6-2 x]$$

Sequence: A061804
Score: 39.5664
Type of gen. func.: lgdogf

$$-\frac{2(x+3)}{(x-1)(x+1)}$$

Sequence: A061804

Score: 5.65014
Type of gen. func.: ogf

$$-(140 f(x) + 753)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 6 x^3 - 4 f(x) x - 12 x^2 + f(x) - 6 x)$$

Sequence: A061804
Score: 5.98746
Type of gen. func.: ogf

$$\{(n + 2) a(n + 3) - 6 a(n + 2) + (-2 - n) a(n + 1), a(0) = 0, a(1) = 6,$$
$$a(2) = 36\}$$

Sequence: A061821
Score: 5.82885
Type of gen. func.: ogf

$$\frac{5 x (9 x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x + 1) (x^4 - x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A061829
Score: 7.42984
Type of gen. func.: ogf

$$\frac{5 (20 x^{11} + 2 x^6 + 3 x^5 + 4 x^4 + 4 x^3 + 4 x^2 + 2 x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A061834
Score: 3.58244
Type of gen. func.: ogf

$$\{(n^3 + 7 n^2 + 16 n + 12) a(n + 1) + (-n^3 - 6 n^2 - 9 n) a(n + 2)$$
$$+ (n^2 + n) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 12\}$$

Sequence: A061866
Score: 17.5515
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^4 - x^3 + 3 x^2 + x + 1)}{(x - 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A061866
Score: 26.5889
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + 2 x^2 + x + 2$$

Sequence: A061866
Score: 9.47919
Type of gen. func.: ogf

$$\frac{x^3 (x^2 - x + 1)}{(x^2 + x + 1) (x - 1)^4}$$

Sequence: A061891
Score: 12.7481
Type of gen. func.: ogf

$$\frac{2 x^3 + 3 x^2 + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A061891
Score: 14.0009
Type of gen. func.: lgdogf

$$-\frac{(x^2 + 4 x + 1) (2 x^3 + 3 x + 1)}{(x - 1) (x^2 + x + 1) (2 x^3 + 3 x^2 + 1)}$$

Sequence: A061891
Score: 5.05260
Type of gen. func.: ogf

$\{(n + 3) a(n + 1) + a(n + 2) + a(n + 3) + (-2 - n) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 7\}$

Sequence: A061891
Score: 7.14334
Type of gen. func.: ogf

$$(f(x) + 42) (f(x) x^4 - f(x) x^3 - 2 x^3 - f(x) x - 3 x^2 + f(x) - 1)$$

Sequence: A061908
Score: 3.64951
Type of gen. func.: ogf

$$\frac{x^2 + 7 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A061924
Score: 21.4776
Type of gen. func.: revegf]

$$1 - 3 x - (3 x - 1)^{(4/3)} (-1)^{(2/3)}$$

Sequence: A061924
Score: 4.80239
Type of gen. func.: ogf

$\{(256 n^3 + 1152 n^2 + 1712 n + 840) a(n + 1) + (-27 n^2 - 81 n - 60) a(n + 2), a(0) = 1, a(1) = 4\}$

Sequence: A061925
Score: 12.7647
Type of gen. func.: ogf

$$-\frac{2x^3 - x^2 + 1}{(x + 1)(x - 1)^3}$$

Sequence: A061925
Score: 17.6903
Type of gen. func.: lgdogf

$$-\frac{2(x^2 + 1)(x^2 + x + 1)}{(x - 1)(x + 1)(2x^3 - x^2 + 1)}$$

Sequence: A061925
Score: 7.21486
Type of gen. func.: ogf

$$(-1 + 3f(x))(f(x)x^4 - 2f(x)x^3 + 2x^3 + 2f(x)x - x^2 - f(x) + 1)$$

Sequence: A061927
Score: 34.1326
Type of gen. func.: ogf_with_Euler_transform]

$$[9 - 3x]$$

Sequence: A061927
Score: 35.6162
Type of gen. func.: lgdogf

$$-\frac{3(x + 3)}{(x - 1)(x + 1)}$$

Sequence: A061927
Score: 5.43537
Type of gen. func.: ogf

$$\{(n + 2)a(n + 3) - 9a(n + 2) + (-n - 3)a(n + 1), a(0) = 0, a(1) = 1, a(2) = 9\}$$

Sequence: A061927
Score: 7.22904
Type of gen. func.: ogf

$$\frac{x (x + 1)^{3}}{(x - 1)^{6}}$$

Sequence: A061981
Score: 14.1184
Type of gen. func.: ogf

$$- \frac{4 x^{2}}{(3 x - 1) (x - 1)^{2}}$$

Sequence: A061981
Score: 27.3397
Type of gen. func.: lgdogf

$$- \frac{-5 + 9 x}{(3 x - 1) (x - 1)}$$

Sequence: A061981
Score: 5.77573
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 7 a(n + 1) - 3 a(n), a(0) = 0, a(1) = 0, a(2) = 4\}$$

Sequence: A061981
Score: 7.84357
Type of gen. func.: ogf

$$3 f(x) x^{3} - 7 f(x) x^{2} + 5 f(x) x + 4 x^{2} - f(x)$$

Sequence: A061982

Score: 17.4670
Type of gen. func.: lgdogf

$$-\frac{9 x^2 - 38 x + 17}{(x - 1) (3 x - 1) (x - 3)}$$

Sequence: A061982
Score: 3.60983
Type of gen. func.: ogf

$$\{(3 n^2 + 18 n + 24) a(n + 1) + (-4 n^2 - 18 n - 17) a(n + 2)$$

$$+ (n^2 + 4 n + 3) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 3\}$$

Sequence: A061982
Score: 4.63744
Type of gen. func.: ogf

$$-(91 f(x) - 27)$$

$$(3 f(x) x^4 - 10 f(x) x^3 + 12 f(x) x^2 + x^3 - 6 f(x) x - 3 x^2 + f(x))$$

Sequence: A061982
Score: 8.94831
Type of gen. func.: ogf

$$-\frac{x^2 (x - 3)}{(3 x - 1) (x - 1)^3}$$

Sequence: A061983
Score: 16.1234
Type of gen. func.: lgdogf

$$-\frac{45 x^2 + 2 x - 11}{(x - 1) (5 x + 1) (3 x - 1)}$$

Sequence: A061983
Score: 3.58944
Type of gen. func.: ogf

$$\{(-9 n^2 - 30 n - 24) a(n + 1) + (12 n^2 + 22 n + 11) a(n + 2) + (-3 n^2 - 4 n - 1) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A061983
Score: 4.41201
Type of gen. func.: ogf

$$-(116856 f(x) + 66355) (3 f(x) x^4 - 10 f(x) x^3 + 12 f(x) x^2 - 5 x^3 - 6 f(x) x - x^2 + f(x))$$

Sequence: A061983
Score: 8.94831
Type of gen. func.: ogf

$$\frac{x^2 (5 x + 1)}{(3 x - 1) (x - 1)^3}$$

Sequence: A061989
Score: 24.0144
Type of gen. func.: lgdogf

$$- \frac{4 x^2 + x + 7}{(x - 1) (2 x^2 - x + 2)}$$

Sequence: A061989
Score: 9.35627
Type of gen. func.: ogf

$$\frac{2 x^4 (2 x^2 - x + 2)}{(x - 1)^4}$$

Sequence: A061990
Score: 5.22482
Type of gen. func.: ogf

$$-\frac{2 x^4 (x^3 - x^2 + x + 1) (x^4 + 4 x^2 + 1)}{(x - 1)^5}$$

Sequence: A061990
Score: 8.77503
Type of gen. func.: lgdogf

$$\frac{2 (x^7 - 4 x^6 + 3 x^5 - 11 x^4 + x^3 - 12 x^2 - 5 x - 3)}{(x - 1) (x^3 - x^2 + x + 1) (x^4 + 4 x^2 + 1)}$$

Sequence: A061991
Score: 3.62810
Type of gen. func.: ogf

$$2 x^5 (4 x^{11} - 11 x^{10} + 16 x^9 + 7 x^8 - 32 x^7 + 38 x^6 + 6 x^5 + 8 x^4 - 8 x^3 + 37 x^2 - 10 x + 5) / (x - 1)^6$$

Sequence: A061995
Score: 20.6072
Type of gen. func.: lgdogf

$$-\frac{3 (x^2 + 2 x - 13)}{(x - 1) (x^2 + x - 8)}$$

Sequence: A061995
Score: 7.53359
Type of gen. func.: ogf

$$2 x^3 (x^2 + x - 8)$$

$$\frac{}{(x - 1)^{5}}$$

Sequence: A061996
Score: 4.90646
Type of gen. func.: ogf

$$- \frac{4 x^{3} (11 x^{4} - 42 x^{3} + 38 x^{2} + 21 x + 2)}{(x - 1)^{7}}$$

Sequence: A061996
Score: 8.98245
Type of gen. func.: lgdogf

$$- \frac{33 x^{4} - 124 x^{3} + 64 x^{2} + 202 x + 35}{(x - 1) (11 x^{4} - 42 x^{3} + 38 x^{2} + 21 x + 2)}$$

Sequence: A062025
Score: 20.5784
Type of gen. func.: lgdogf

$$- \frac{2 x^{2} + 35 x + 15}{(x - 1) (x^{2} + 11 x + 1)}$$

Sequence: A062025
Score: 3.65578
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 4) + (-5 - 10 n) a(n + 3) + (45 + 10 n) a(n + 2)$$

$$+ (n + 2) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 15, a(3) = 55\}$$

Sequence: A062025
Score: 5.07746
Type of gen. func.: ogf

$$-(1625 f(x) + 7141)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 11 x^2 + f(x) - x)$$

Sequence: A062025
Score: 9.88049
Type of gen. func.: ogf

$$\frac{x (x^2 + 11 x + 1)}{(x - 1)^4}$$

Sequence: A062026
Score: 23.5307
Type of gen. func.: lgdogf

$$- \frac{3 (4 x^2 + 1)}{(x - 1) (4 x^2 - 2 x + 1)}$$

Sequence: A062026
Score: 3.87763
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-3 n - 9) a(n + 3) + (6 + 6 n) a(n + 2)$$

$$+ (-12 - 4 n) a(n + 1), a(0) = 0, a(1) = 2, a(2) = 6, a(3) = 18\}$$

Sequence: A062026
Score: 9.20354
Type of gen. func.: ogf

$$- \frac{2 x (4 x^2 - 2 x + 1)}{(x - 1)^5}$$

Sequence: A062027
Score: 4.73887
Type of gen. func.: ogf

$$-\frac{35 x^{8} - 195 x^{7} + 440 x^{6} - 505 x^{5} + 292 x^{4} - 85 x^{3} - 10 x^{2} + 5 x - 1}{(x - 1)^{6}}$$

Sequence: A062028
Score: 7.21906
Type of gen. func.: ogf

$$-\frac{x (7 x^{9} - 2 x^{8} - 2 x^{7} - 2 x^{6} - 2 x^{5} - 2 x^{4} - 2 x^{3} - 2 x^{2} - 2 x - 2)}{(x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A062074
Score: 13.7375
Type of gen. func.: lgdogf

$$-\frac{6 (9 x^{2} + 21 x + 4)}{(3 x - 1) (9 x^{2} + 12 x + 1)}$$

Sequence: A062074
Score: 3.84141
Type of gen. func.: ogf

$$-(660 f(x) + 1087) (81 f(x) x^{4} - 108 f(x) x^{3} + 54 f(x) x^{2} - 27 x^{3} - 12 f(x) x - 36 x^{2} + f(x) - 3 x)$$

Sequence: A062074
Score: 7.15462
Type of gen. func.: ogf

$$\frac{3 x (9 x^{2} + 12 x + 1)}{(3 x - 1)^{4}}$$

Sequence: A062075
Score: 3.10190
Type of gen. func.: ogf

$$\{(-64 n^2 - 272 n - 288) a(n + 1) + (32 n^2 + 128 n + 288) a(n + 2) + (-4 n^2 - 15 n - 14) a(n + 3), a(0) = 0, a(1) = 4, a(2) = 256\}$$

Sequence: A062075
Score: 5.47222
Type of gen. func.: ogf

$$-\frac{4 x (4 x + 1) (16 x^2 + 40 x + 1)}{(4 x - 1)^5}$$

Sequence: A062075
Score: 9.68172
Type of gen. func.: lgdogf

$$-\frac{32 (16 x^3 + 72 x^2 + 33 x + 2)}{(4 x + 1) (4 x - 1) (16 x^2 + 40 x + 1)}$$

Sequence: A062092
Score: 15.2622
Type of gen. func.: ogf

$$-\frac{2 + 3 x}{(x + 1) (2 x - 1)}$$

Sequence: A062092
Score: 17.2580
Type of gen. func.: revogf

$$\frac{-x - 2 + (9 x^2 + 16 x + 4)^{1/2}}{2 (3 + 2 x)}$$

Sequence: A062092
Score: 18.6962
Type of gen. func.: lgdogf

$$-\frac{6 x^2 + 8 x + 5}{(2 + 3 x) (2 x - 1) (x + 1)}$$

Sequence: A062092
Score: 7.98602
Type of gen. func.: ogf

$$(13 f(x) - 1) (2 f(x) x^2 + f(x) x - f(x) + 3 x + 2)$$

Sequence: A062092
Score: 8.37559
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - 2 a(n), a(0) = 2, a(1) = 5\}$$

Sequence: A062098
Score: 16.4175
Type of gen. func.: egf]

$$\frac{7}{(x - 1)^2}$$

Sequence: A062098
Score: 6.08738
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 1) + a(n + 2), a(0) = 7, a(1) = 14\}$$

Sequence: A062098
Score: 66.2499
Type of gen. func.: lgdegf]

$$-\frac{2}{x - 1}$$

Sequence: A062098
Score: 75.7142
Type of gen. func.: revegf]

$$\frac{x}{x + 7}$$

Sequence: A062098
Score: 9.18266
Type of gen. func.: egf]

$$-f(x) x^2 + 2 f(x) x - f(x) + 7$$

Sequence: A062107
Score: 16.0773
Type of gen. func.: ogf

$$-\frac{x (x^2 + 1)}{3 x - 1}$$

Sequence: A062107
Score: 21.6427
Type of gen. func.: lgdogf

$$\frac{3 x^2 - 2 x - 3}{(3 x - 1) (x^2 + 1)}$$

Sequence: A062107
Score: 6.86633
Type of gen. func.: ogf

$$\{-a(n + 4) + 3 a(n + 3), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 10\}$$

Sequence: A062107

Score: 9.02969
Type of gen. func.: ogf

$$(89 f(x) + 24) (x^3 + 3 f(x) x - f(x) + x)$$

Sequence: A062109
Score: 4.32022
Type of gen. func.: ogf

$$(f(x) + 1) (16 f(x) x^4 - 32 f(x) x^3 - x^4 + 24 f(x) x^2 + 4 x^3 - 8 f(x) x - 6 x^2 + f(x) + 4 x - 1)$$

Sequence: A062109
Score: 41.7473
Type of gen. func.: lgdogf

$$\frac{4}{(2 x - 1) (x - 1)}$$

Sequence: A062109
Score: 5.24093
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) + (-3 n - 7) a(n + 1) + 2 a(n) n, a(0) = 1, a(1) = 4\}$$

Sequence: A062109
Score: 7.26583
Type of gen. func.: ogf

$$\frac{(x - 1)^4}{(2 x - 1)^4}$$

Sequence: A062112
Score: 11.1821
Type of gen. func.: lgdogf

$$8 x^5 - 6 x^4 - 8 x^3 + 4 x^2 + 4 x + 1$$

$$-\frac{}{(x - 1) (2 x + 1) (2 x^4 - 4 x^2 + 1)}$$

Sequence: A062112
Score: 11.5403
Type of gen. func.: ogf

$$-\frac{x (2 x + 1) (x - 1)}{2 x^4 - 4 x^2 + 1}$$

Sequence: A062112
Score: 9.38612
Type of gen. func.: ogf

$$2 f(x) x^4 - 4 f(x) x^2 + 2 x^3 - x^2 + f(x) - x$$

Sequence: A062113
Score: 10.0753
Type of gen. func.: lgdogf

$$-\frac{2 x^6 + 4 x^5 - 8 x^4 - 8 x^3 + 5 x^2 + 6 x + 2}{(x^3 + x^2 - 2 x - 1) (2 x^4 - 4 x^2 + 1)}$$

Sequence: A062113
Score: 11.0673
Type of gen. func.: ogf

$$-\frac{x^3 + x^2 - 2 x - 1}{2 x^4 - 4 x^2 + 1}$$

Sequence: A062113
Score: 6.85121
Type of gen. func.: ogf

$$-(4 f(x) + 3) (2 f(x) x^4 - 4 f(x) x^2 + x^3 + x^2 + f(x) - 2 x - 1)$$

Sequence: A062114
Score: 10.2152
Type of gen. func.: ogf

$$-\frac{x (x^{2} - x - 1)}{(x - 1) (x + 1) (x^{2} + x - 1)}$$

Sequence: A062114
Score: 13.6073
Type of gen. func.: lgdogf

$$-\frac{2 (x^{5} - x^{4} - 3 x^{3} + x + 1)}{(x - 1) (x + 1) (x^{2} + x - 1) (x^{2} - x - 1)}$$

Sequence: A062114
Score: 6.03145
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^{4} + f(x) x^{3} - 2 f(x) x^{2} + x^{3} - f(x) x - x^{2} + f(x) - x)$$

Sequence: A062116
Score: 10.8233
Type of gen. func.: lgdogf

$$-\frac{9 x^{8} + 8 x^{7} + 2 x^{6} - 25 x^{4} + 24 x^{3} + 10 x^{2} + 4 x + 2}{(x - 1) (9 x^{4} + 4 x^{3} + 2 x^{2} + x + 1) (x^{4} + 1)}$$

Sequence: A062116
Score: 12.1798
Type of gen. func.: ogf

$$-\frac{9 x^{4} + 4 x^{3} + 2 x^{2} + x + 1}{{}^{4}}$$

$$(x - 1) (x + 1)$$

Sequence: A062116
Score: 6.60451
Type of gen. func.: ogf

$$-f(x) (f(x) + 15)$$

$$(f(x) x^5 - f(x) x^4 + 9 x^4 + 4 x^3 + f(x) x + 2 x^2 - f(x) + x + 1)$$

Sequence: A062119
Score: 12.1049
Type of gen. func.: egf]

$$- \frac{2 x}{(x - 1)^3}$$

Sequence: A062119
Score: 4.90740
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) + (-1 - n) a(n + 2), a(0) = 0, a(1) = 2\}$$

Sequence: A062119
Score: 66.9860
Type of gen. func.: lgdegf]

$$- \frac{3}{x - 1}$$

Sequence: A062119
Score: 7.0743
Type of gen. func.: egf]

$$f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 2 x$$

Sequence: A062123
Score: 13.3061
Type of gen. func.: ogf

$$-\frac{(x + 2) (2 x + 1)}{(x - 1)^3}$$

Sequence: A062123
Score: 22.1210
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 14 x + 11}{(x - 1) (2 x + 1) (x + 2)}$$

Sequence: A062123
Score: 7.11993
Type of gen. func.: ogf

$$(43 f(x) - 161) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x) + 5 x + 2)$$

Sequence: A062123
Score: 7.11993
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2, a(1) = 11, a(2) = 29\}$$

Sequence: A062124
Score: 14.3341
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 + 11 x^2 + 29 x + 13)}{(x - 1) (2 x^3 + 8 x^2 + 14 x + 3)}$$

Sequence: A062124
Score: 3.63700
Type of gen. func.: ogf

$$\{(-389 n^2 - 1987 n - 2418) a(n + 1) + (-320 n^2 - 5320 n - 13416) a(n + 2)$$

$$+ (709 n^2 + 4013 n + 5658) a(n + 3), a(0) = 3, a(1) = 26, a(2) = 94\}$$

Sequence: A062124
Score: 5.04164
Type of gen. func.: ogf

$$(1863 f(x) + 15739) ($$

$$f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 2 x^3 - 4 f(x) x - 8 x^2 + f(x) - 14 x - 3)$$

Sequence: A062124
Score: 9.37228
Type of gen. func.: ogf

$$\frac{2 x^3 + 8 x^2 + 14 x + 3}{(x - 1)^4}$$

Sequence: A062125
Score: 10.5703
Type of gen. func.: lgdogf

$$- \frac{(x + 2) (2 x^3 + 24 x^2 + 81 x + 28)}{(x - 1) (2 x^4 + 10 x^3 + 33 x^2 + 31 x + 5)}$$

Sequence: A062125
Score: 7.04318
Type of gen. func.: ogf

$$- \frac{2 x^4 + 10 x^3 + 33 x^2 + 31 x + 5}{(x - 1)^5}$$

Sequence: A062126
Score: 5.46490

Type of gen. func.: ogf

$$\frac{(x + 2) (2 x^4 + 8 x^3 + 36 x^2 + 31 x + 4)}{(x - 1)^6}$$

Sequence: A062126
Score: 8.34946
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 + 7 x + 19) (x^3 + 10 x^2 + 13 x + 3)}{(x - 1) (x + 2) (2 x^4 + 8 x^3 + 36 x^2 + 31 x + 4)}$$

Sequence: A062127
Score: 4.86354
Type of gen. func.: ogf

$$- \frac{2 x^6 + 14 x^5 + 72 x^4 + 207 x^3 + 289 x^2 + 132 x + 13}{(x - 1)^7}$$

Sequence: A062127
Score: 6.26796
Type of gen. func.: lgdogf

$$- \frac{2 x^6 + 40 x^5 + 286 x^4 + 1116 x^3 + 2066 x^2 + 1370 x + 223}{(x - 1) (2 x^6 + 14 x^5 + 72 x^4 + 207 x^3 + 289 x^2 + 132 x + 13)}$$

Sequence: A062136
Score: 6.55411
Type of gen. func.: lgdogf

$$- \frac{6 (2 x^7 + x^6 + 36 x^5 + 15 x^4 + 50 x^3 + 15 x^2 + 8 x + 1)}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 14 x^2 + 1)}$$

Sequence: A062141
Score: 11.5756
Type of gen. func.: lgdegf]

$$-\frac{6\,(10\,x^2+15\,x+3)}{(x-1)\,(10\,x^2+10\,x+1)}$$

Sequence: A062141
Score: 6.11931
Type of gen. func.: ogf

$$\{(-n^2-11\,n-28)\,a(n+1)+(n+2)\,a(n+2),\ a(0)=1,\ a(1)=18\}$$

Sequence: A062141
Score: 6.51594
Type of gen. func.: egf]

$$\frac{10\,x^2+10\,x+1}{(x-1)^8}$$

Sequence: A062142
Score: 4.43615
Type of gen. func.: ogf

$$\{(-n^2-13\,n-40)\,a(n+1)+(n+2)\,a(n+2),\ a(0)=1,\ a(1)=28\}$$

Sequence: A062142
Score: 9.41634
Type of gen. func.: lgdegf]

$$-\frac{28\,(5\,x^3+15\,x^2+9\,x+1)}{(x-1)\,(20\,x^3+45\,x^2+18\,x+1)}$$

Sequence: A062143
Score: 4.72546
Type of gen. func.: ogf

$$\{(-n^2 - 15 n - 54) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 40\}$$

Sequence: A062143
Score: 7.60482
Type of gen. func.: lgdegf]

$$-\frac{40 (7 x^4 + 35 x^3 + 42 x^2 + 14 x + 1)}{(x - 1) (35 x^4 + 140 x^3 + 126 x^2 + 28 x + 1)}$$

Sequence: A062144
Score: 4.28578
Type of gen. func.: ogf

$$\{(-n^2 - 17 n - 70) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 54\}$$

Sequence: A062146
Score: 26.0498
Type of gen. func.: lgdegf]

$$-3 + 4 x + (x^2 - 2 x + 1) f(x)$$

Sequence: A062146
Score: 4.01511
Type of gen. func.: ogf

$$\{(-n^2 - 7 n - 10) a(n + 1) + (2 n + 7) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 3, a(2) = 11\}$$

Sequence: A062147
Score: 14.1049
Type of gen. func.: lgdegf]

2 2 2

$$-65 + 52 x + (13 x - 22 x + 8) f(x) + (x - 2 x + 1) f(x)$$

Sequence: A062147
Score: 4.78485
Type of gen. func.: ogf

$$\{(-n^2 - 7 n - 10) a(n + 1) + (2 n + 9) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 5, a(2) = 31\}$$

Sequence: A062148
Score: 18.1882
Type of gen. func.: lgdegf]

$$-\frac{14 (1 + 3 x)}{(6 x + 1) (x - 1)}$$

Sequence: A062148
Score: 4.05039
Type of gen. func.: ogf

$$\{(-n^2 - 11 n - 24) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 14\}$$

Sequence: A062149
Score: 12.5833
Type of gen. func.: lgdegf]

$$-\frac{24 (7 x^2 + 7 x + 1)}{(x - 1) (21 x^2 + 14 x + 1)}$$

Sequence: A062149
Score: 4.36382
Type of gen. func.: ogf

$$\{(-n^2 - 13 n - 36) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 24\}$$

Sequence: A062150
Score: 4.62902
Type of gen. func.: ogf

$$\{(-n^2 - 15 n - 50) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 36\}$$

Sequence: A062150
Score: 9.47722
Type of gen. func.: lgdegf]

$$-\frac{36 (14 x^3 + 28 x^2 + 12 x + 1)}{(x - 1) (56 x^3 + 84 x^2 + 24 x + 1)}$$

Sequence: A062151
Score: 4.23869
Type of gen. func.: ogf

$$\{(-n^2 - 17 n - 66) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 50\}$$

Sequence: A062151
Score: 6.35489
Type of gen. func.: lgdegf]

$$-\frac{10 (126 x^4 + 420 x^3 + 360 x^2 + 90 x + 5)}{(x - 1) (126 x^4 + 336 x^3 + 216 x^2 + 36 x + 1)}$$

Sequence: A062152
Score: 4.40352
Type of gen. func.: ogf

$$\{(-n^2 - 19 n - 84) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 66\}$$

Sequence: A062152
Score: 5.38666
Type of gen. func.: lgdegf]

$$-\frac{66 (42 x^5 + 210 x^4 + 300 x^3 + 150 x^2 + 25 x + 1)}{(x - 1) (252 x^5 + 1050 x^4 + 1200 x^3 + 450 x^2 + 50 x + 1)}$$

Sequence: A062157
Score: 13.4189
Type of gen. func.: ogf

$$\{-a(n + 2) - a(n + 1), a(0) = 0, a(1) = 1\}$$

Sequence: A062157
Score: 130.013
Type of gen. func.: revogf

$$-\frac{x}{x - 1}$$

Sequence: A062157
Score: 146.265
Type of gen. func.: lgdogf

$$-\frac{1}{x + 1}$$

Sequence: A062157
Score: 17.3226
Type of gen. func.: ogf

$$f(x) (f(x) x + f(x) - x)$$

Sequence: A062157
Score: 32.8532
Type of gen. func.: ogf

$$\frac{x}{x + 1}$$

Sequence: A062157
Score: 45.2721
Type of gen. func.: ogf_with_Euler_transform]

$$[x - 1]$$

Sequence: A062158
Score: 12.5688
Type of gen. func.: ogf

$$\frac{(4 x - 1) (x^2 + 1)}{(x - 1)^4}$$

Sequence: A062158
Score: 23.4160
Type of gen. func.: lgdogf

$$- \frac{2 x (2 x^2 + 5 x + 5)}{(x - 1) (4 x - 1) (x^2 + 1)}$$

Sequence: A062158
Score: 5.25978
Type of gen. func.: ogf

$$\{(11 n^2 + 23 n + 2) a(n + 1) + (16 n^2 + 200 n + 336) a(n + 2)$$

$$+ (-27 n^2 - 109 n - 84) a(n + 3), a(0) = -1, a(1) = 0, a(2) = 5\}$$

Sequence: A062158
Score: 6.67448
Type of gen. func.: ogf

$$-(297 f(x) + 247)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 x^3 - 4 f(x) x + x^2 + f(x) - 4 x + 1)$$

Sequence: A062159
Score: 12.2184
Type of gen. func.: lgdogf

$$-\frac{6 x (x^4 + 14 x^3 + 56 x^2 + 42 x + 7)}{(x - 1) (6 x^5 + 27 x^4 + 76 x^3 + 6 x^2 + 6 x - 1)}$$

Sequence: A062159
Score: 7.67207
Type of gen. func.: ogf

$$\frac{6 x^5 + 27 x^4 + 76 x^3 + 6 x^2 + 6 x - 1}{(x - 1)^6}$$

Sequence: A062189
Score: 10.2568
Type of gen. func.: ogf

$$-\frac{2 x (x + 1)}{(3 x - 1)^3}$$

Sequence: A062189
Score: 23.8297
Type of gen. func.: lgdogf

$$-\frac{2 (5 + 3 x)}{(x + 1) (3 x - 1)}$$

Sequence: A062189
Score: 5.0853
Type of gen. func.: ogf

$$-(8856 f(x) - 3367) (27 f(x) x^3 - 27 f(x) x^2 + 9 f(x) x + 2 x^2 - f(x) + 2 x)$$

Sequence: A062189
Score: 5.30833

Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 27 a(n + 1) - 27 a(n), a(0) = 0, a(1) = 2, a(2) = 20\}$$

Sequence: A062191
Score: 3.94637
Type of gen. func.: ogf

$$\{(-n^2 - 9 n - 14) a(n + 1) + (2 n + 9) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 5, a(2) = 29\}$$

Sequence: A062191
Score: 33.0816
Type of gen. func.: lgdegf]

$$- \frac{6 x - 5}{(x - 1)^2}$$

Sequence: A062192
Score: 28.3321
Type of gen. func.: lgdegf]

$$- \frac{-7 + 6 x}{(x - 1)^2}$$

Sequence: A062192
Score: 3.39986
Type of gen. func.: ogf

$$\{(-n^2 - 9 n - 14) a(n + 1) + (2 n + 11) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 7, a(2) = 57\}$$

Sequence: A062193
Score: 5.75086
Type of gen. func.: egf]

3   2

$$-\frac{10 x + 30 x + 15 x + 1}{(x - 1)^{9}}$$

Sequence: A062193
Score: 6.40096
Type of gen. func.: ogf

$$\{(-n^{2} - 12 n - 35) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 24\}$$

Sequence: A062193
Score: 8.98525
Type of gen. func.: lgdegf]

$$-\frac{12 (5 x^{3} + 20 x^{2} + 15 x + 2)}{(x - 1) (10 x^{3} + 30 x^{2} + 15 x + 1)}$$

Sequence: A062194
Score: 4.60491
Type of gen. func.: ogf

$$\{(-n^{2} - 14 n - 48) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 35\}$$

Sequence: A062194
Score: 7.62462
Type of gen. func.: lgdegf]

$$-\frac{35 (3 x^{4} + 20 x^{3} + 30 x^{2} + 12 x + 1)}{(x - 1) (15 x^{4} + 80 x^{3} + 90 x^{2} + 24 x + 1)}$$

Sequence: A062195
Score: 4.19159
Type of gen. func.: ogf

$$\{(-n^{2} - 16 n - 63) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 48\}$$

Sequence: A062195
Score: 5.41610
Type of gen. func.: lgdegf]

$$-\frac{24 (7 x^5 + 70 x^4 + 175 x^3 + 140 x^2 + 35 x + 2)}{(x - 1) (21 x^5 + 175 x^4 + 350 x^3 + 210 x^2 + 35 x + 1)}$$

Sequence: A062197
Score: 14.0724
Type of gen. func.: lgdegf]

$$-4 + 6 x + (2 x^2 - 7 x + 4) f(x) + (-x^2 + 2 x - 1) f(x)^2$$

Sequence: A062197
Score: 4.30950
Type of gen. func.: ogf

$$\{(n^2 + 6 n + 8) a(n + 1) + (-2 n - 6) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A062199
Score: 27.4814
Type of gen. func.: lgdegf]

$$-\frac{6 (2 + 5 x)}{(5 x + 1) (x - 1)}$$

Sequence: A062199
Score: 5.83767
Type of gen. func.: ogf

$$\{(-n^2 - 10 n - 21) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 12\}$$

Sequence: A062199

Score: 7.54306
Type of gen. func.: egf]

$$-\frac{5x+1}{(x-1)^{7}}$$

Sequence: A062200
Score: 13.8211
Type of gen. func.: ogf

$$-\frac{x^{2}-x-1}{x^{4}-x^{3}-2x^{2}+1}$$

Sequence: A062200
Score: 15.2266
Type of gen. func.: lgdogf

$$-\frac{(x+1)(2x^{4}-6x^{3}+4x^{2}+x+1)}{(x^{2}-x-1)(x^{4}-x^{3}-2x^{2}+1)}$$

Sequence: A062200
Score: 7.88046
Type of gen. func.: ogf

$$(131 f(x)+18)(f(x)x^{4}-f(x)x^{3}-2 f(x)x^{2}+x^{2}+f(x)-x-1)$$

Sequence: A062201
Score: 5.66788
Type of gen. func.: ogf

$$-\frac{(x^{3}-x^{2}-1)(x^{3}-x-1)}{x^{9}-x^{8}-x^{7}-2x^{6}+x^{5}+x^{4}+4x^{3}-1}$$

Sequence: A062201

Score: 5.68734
Type of gen. func.: lgdogf

$$-(x^2+x+1)(3x^{12}-9x^{11}+3x^{10}+6x^9+7x^8-5x^7-11x^6+7x^2+x+1) \Big/ \left((x^3-x-1)(x^9-x^8-x^7-2x^6+x^5+x^4+4x^3-1)(x^3-x^2-1)\right)$$

Sequence: A062236
Score: 4.85862
Type of gen. func.: ogf

$$-729 f(x)^3 x^4 + 216 f(x)^3 x^3 - 16 f(x)^3 x^2 - 54 f(x)^2 x^2 + 8 f(x)^2 x - f(x) + 1$$

Sequence: A062236
Score: 8.84677
Type of gen. func.: revogf

$$\frac{-(1+12x)^{1/2} + 6(1+12x)^{1/2} x + 1 + 216x^3 - 54x^2}{1458x^3}$$

Sequence: A062237
Score: 3.24913
Type of gen. func.: ogf

$$(f(x)x^2 - 2f(x)x + f(x) - 10)^2$$

Sequence: A062242
Score: 16.6225
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^2-1}{x^4+x^2+1}$$

Sequence: A062243
Score: 11.0231
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^{10}-2x^{7}-2x^{6}-2x^{4}-2x^{3}-2}{x^{12}-1}$$

Sequence: A062244
Score: 11.3181
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{6}+x^{5}+2x^{4}-2x^{2}-x+1}{x^{8}+x^{4}+1}$$

Sequence: A062246
Score: 10.3142
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{7}-x^{6}-x^{5}-x^{4}-x^{3}-x^{2}-x-1}{x^{9}-1}$$

Sequence: A062257
Score: 6.50643
Type of gen. func.: ogf

$$-\frac{(x^{2}+x+1)(x^{7}-x^{6}-x^{5}+x^{4}-x^{3}+x-1)}{x^{10}-x^{9}-x^{8}-x^{6}+x^{5}-2x+1}$$

Sequence: A062258
Score: 11.8565
Type of gen. func.: lgdogf

$$-\frac{x^{12}-x^{6}+4x^{3}+2}{(x^{6}+x^{3}+1)(x^{7}-x^{6}+2x^{4}-x^{3}+2x-1)}$$

Sequence: A062258
Score: 8.51459
Type of gen. func.: ogf

$$-\frac{x^6+x^3+1}{x^7-x^6+2x^4-x^3+2x-1}$$

Sequence: A062259
Score: 4.62513
Type of gen. func.: ogf

$$-\frac{(x+1)(x^2+1)(x^6+x^5+x^4+1)}{x^{10}+x^9+2x^8+2x^7+x^4+x^3+x^2+x-1}$$

Sequence: A062260
Score: 12.1567
Type of gen. func.: lgdegf]

$$-\frac{21(x+1)(5x+1)}{(x-1)(15x^2+12x+1)}$$

Sequence: A062260
Score: 4.21916
Type of gen. func.: ogf

$$\{(-n^2-12n-32)a(n+1)+(n+2)a(n+2), a(0)=1, a(1)=21\}$$

Sequence: A062261
Score: 4.55670
Type of gen. func.: ogf

$$\{(-n^2-14n-45)a(n+1)+(n+2)a(n+2), a(0)=1, a(1)=32\}$$

Sequence: A062261
Score: 9.49869
Type of gen. func.: lgdegf]

$$-\frac{8 (35 x^3 + 84 x^2 + 42 x + 4)}{(x - 1) (35 x^3 + 63 x^2 + 21 x + 1)}$$

Sequence: A062262
Score: 4.16804
Type of gen. func.: ogf

$$\{(-n^2 - 16 n - 60) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 45\}$$

Sequence: A062262
Score: 6.59849
Type of gen. func.: lgdegf]

$$-\frac{45 (14 x^4 + 56 x^3 + 56 x^2 + 16 x + 1)}{(x - 1) (70 x^4 + 224 x^3 + 168 x^2 + 32 x + 1)}$$

Sequence: A062263
Score: 4.35643
Type of gen. func.: ogf

$$\{(-n^2 - 18 n - 77) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 60\}$$

Sequence: A062263
Score: 5.44619
Type of gen. func.: lgdegf]

$$-\frac{30 (42 x^5 + 252 x^4 + 420 x^3 + 240 x^2 + 45 x + 2)}{(x - 1) (126 x^5 + 630 x^4 + 840 x^3 + 360 x^2 + 45 x + 1)}$$

Sequence: A062265
Score: 10.3622
Type of gen. func.: lgdegf]

$$-68 + 85 x + (17 x^2 - 44 x + 25) f(x) + (-2 x^2 + 4 x - 2) f(x)^2$$

Sequence: A062265
Score: 3.70100
Type of gen. func.: ogf

$$\{(-n^2 - 8 n - 12) a(n + 1) + (2 n + 8) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 4, a(2) = 19\}$$

Sequence: A062266
Score: 13.1699
Type of gen. func.: lgdegf]

$$-222 + 185 x + (37 x^2 - 64 x + 25) f(x) + (2 x^2 - 4 x + 2) f(x)^2$$

Sequence: A062266
Score: 4.89647
Type of gen. func.: ogf

$$\{(-n^2 - 8 n - 12) a(n + 1) + (2 n + 10) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 6, a(2) = 43\}$$

Sequence: A062267
Score: 122.037
Type of gen. func.: lgdegf]

$$2 - 2 x$$

Sequence: A062267
Score: 4.98253
Type of gen. func.: ogf

$$\{(2 n + 4) a(n + 1) + a(n + 3) - 2 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 2\}$$

Sequence: A062317
Score: 12.2742
Type of gen. func.: lgdogf

$$-\frac{x^5 + 3x^4 + 23x^3 + 13x^2 + 18x + 2}{(x - 1)(x + 1)(x^4 + x^3 + 6x^2 + x + 1)}$$

Sequence: A062317
Score: 8.74613
Type of gen. func.: ogf

$$-\frac{x^4 + x^3 + 6x^2 + x + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A062318
Score: 12.3502
Type of gen. func.: ogf

$$\frac{x (x + 1)}{(x - 1)(3x^2 - 1)}$$

Sequence: A062318
Score: 15.4065
Type of gen. func.: lgdogf

$$-\frac{2(3x^3 + 3x^2 - 3x - 1)}{(x - 1)(x + 1)(3x^2 - 1)}$$

Sequence: A062318
Score: 6.34197
Type of gen. func.: ogf

{-a(n + 3) + a(n + 2) + 3 a(n + 1) - 3 a(n), a(0) = 0, a(1) = 1, a(2) = 2}

Sequence: A062318
Score: 8.28187
Type of gen. func.: ogf

$$3 f(x) x^{3} - 3 f(x) x^{2} - f(x) x - x^{2} + f(x) - x$$

Sequence: A062330
Score: 7.26705
Type of gen. func.: lgdogf

$$\frac{3888 x^{7} - 7176 x^{6} + 2496 x^{5} + 831 x^{4} - 14 x^{3} + 33 x^{2} + 12 x + 2}{(x - 1) (648 x^{7} - 528 x^{6} - 168 x^{5} - 3 x^{4} - 13 x^{3} - 6 x^{2} - x - 1)}$$

Sequence: A062330
Score: 8.73464
Type of gen. func.: ogf

$$\frac{2 (648 x^{7} - 528 x^{6} - 168 x^{5} - 3 x^{4} - 13 x^{3} - 6 x^{2} - x - 1)}{x - 1}$$

Sequence: A062346
Score: 19.6561
Type of gen. func.: lgdogf

$$- \frac{5 (x + 3) (3 x + 1)}{(x - 1) (5 x^{2} + 10 x + 1)}$$

Sequence: A062346
Score: 3.63363
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (12 + 9 n) a(n + 3) + (-60 - 5 n) a(n + 2)$$
$$+ (-20 - 5 n) a(n + 1), a(0) = 3, a(1) = 45, a(2) = 210, a(3) = 630\}$$

Sequence: A062346

Score: 9.15136
Type of gen. func.: ogf

$$-\frac{3\,(5\,x^2+10\,x+1)}{(x-1)^5}$$

Sequence: A062389
Score: 8.43191
Type of gen. func.: ogf

$$\frac{(x+1)\,(2\,x^6+x^5+2\,x^4+2\,x^3+x^2+2\,x+1)}{(x^6+x^5+x^4+x^3+x^2+x+1)\,(x-1)^2}$$

Sequence: A062392
Score: 20.7047
Type of gen. func.: lgdogf

$$-\frac{3\,(x^2+14\,x+5)}{(x-1)\,(x^2+10\,x+1)}$$

Sequence: A062392
Score: 3.60922
Type of gen. func.: ogf

$$\{(n+3)\,a(n+4)+(3+9\,n)\,a(n+3)+(-51-9\,n)\,a(n+2)$$
$$+(-3-n)\,a(n+1),\ a(0)=0,\ a(1)=1,\ a(2)=15,\ a(3)=66\}$$

Sequence: A062392
Score: 8.50744
Type of gen. func.: ogf

$$-\frac{x\,(x^2+10\,x+1)}{(x-1)^5}$$

Sequence: A062393
Score: 6.06869
Type of gen. func.: ogf

$$\frac{x (x^4 + 26 x^3 + 66 x^2 + 26 x + 1)}{(x + 1) (x - 1)^6}$$

Sequence: A062393
Score: 8.67082
Type of gen. func.: lgdogf

$$- \frac{3 x^5 + 109 x^4 + 464 x^3 + 564 x^2 + 269 x + 31}{(x - 1) (x + 1) (x^4 + 26 x^3 + 66 x^2 + 26 x + 1)}$$

Sequence: A062394
Score: 13.4635
Type of gen. func.: ogf

$$- \frac{7 x - 2}{(6 x - 1) (x - 1)}$$

Sequence: A062394
Score: 15.6232
Type of gen. func.: lgdogf

$$- \frac{42 x^2 - 24 x + 7}{(x - 1) (6 x - 1) (7 x - 2)}$$

Sequence: A062394
Score: 6.73178
Type of gen. func.: ogf

$$-(25 f(x) - 1) (6 f(x) x^2 - 7 f(x) x + f(x) + 7 x - 2)$$

Sequence: A062394

Score: 7.38852
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) + 6 a(n), a(0) = 2, a(1) = 7\}$$

Sequence: A062395
Score: 13.6472
Type of gen. func.: ogf

$$-\frac{9 x - 2}{(8 x - 1) (x - 1)}$$

Sequence: A062395
Score: 15.8458
Type of gen. func.: lgdogf

$$-\frac{72 x^{2} - 32 x + 9}{(x - 1) (8 x - 1) (9 x - 2)}$$

Sequence: A062395
Score: 6.74863
Type of gen. func.: ogf

$$-(49 f(x) - 17) (8 f(x) x^{2} - 9 f(x) x + f(x) + 9 x - 2)$$

Sequence: A062395
Score: 7.48933
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) + 8 a(n), a(0) = 2, a(1) = 9\}$$

Sequence: A062396
Score: 12.2163
Type of gen. func.: ogf

$$-\frac{2 (5 x - 1)}{(9 x - 1) (x - 1)}$$

Sequence: A062396
Score: 14.7997
Type of gen. func.: lgdogf

$$-\frac{45 x^2 - 18 x + 5}{(x - 1) (9 x - 1) (5 x - 1)}$$

Sequence: A062396
Score: 16.0682
Type of gen. func.: revogf

$$-\frac{-1 - 5 x + (16 x^2 + 1)^{1/2}}{10 + 9 x}$$

Sequence: A062396
Score: 6.24093
Type of gen. func.: ogf

$$-(16 f(x) - 7) (9 f(x) x^2 - 10 f(x) x + f(x) + 10 x - 2)$$

Sequence: A062396
Score: 6.83531
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 9 a(n), a(0) = 2, a(1) = 10\}$$

Sequence: A062397
Score: 11.5615
Type of gen. func.: ogf

$$-\frac{11 x - 2}{(10 x - 1) (x - 1)}$$

Sequence: A062397
Score: 12.9378
Type of gen. func.: lgdogf

$$-\frac{110 x^2 - 40 x + 11}{(x - 1) (11 x - 2) (10 x - 1)}$$

Sequence: A062397
Score: 5.90374
Type of gen. func.: ogf

$$-(81 f(x) - 41) (10 f(x) x^2 - 11 f(x) x + f(x) + 11 x - 2)$$

Sequence: A062397
Score: 6.52884
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 2, a(1) = 11\}$$

Sequence: A062508
Score: 12.2163
Type of gen. func.: ogf

$$-\frac{8 (8 x - 1)}{(9 x - 1) (x - 1)}$$

Sequence: A062508
Score: 14.0597
Type of gen. func.: revogf

$$-\frac{-4 - 5 x + 2 (4 x^2 - 6 x + 4)^{1/2}}{64 + 9 x}$$

Sequence: A062508
Score: 14.4202
Type of gen. func.: lgdogf

$$-\frac{2 (36 x^2 - 9 x + 1)}{(x - 1) (8 x - 1) (9 x - 1)}$$

```
------------------------------------------------------------------------------

Sequence:  A062508
Score: 6.10814
Type of gen. func.: ogf


                                      2
           -(85 f(x) - 552) (9 f(x) x  - 10 f(x) x + f(x) + 64 x - 8)



------------------------------------------------------------------------------

Sequence:  A062508
Score: 6.83531
Type of gen. func.: ogf


             {a(n + 2) - 10 a(n + 1) + 9 a(n), a(0) = 8, a(1) = 16}



------------------------------------------------------------------------------

Sequence:  A062510
Score: 17.1554
Type of gen. func.: revogf


                                     2            1/2  1/2
                       -x - 3 + (3 x  + 2 x + 3)    3
                       ---------------------------------
                                      4 x



------------------------------------------------------------------------------

Sequence:  A062510
Score: 18.8274
Type of gen. func.: ogf


                                          3 x
                              - -----------------
                                (x + 1) (2 x - 1)



------------------------------------------------------------------------------

Sequence:  A062510
Score: 29.8355
Type of gen. func.: lgdogf


                                        1 + 4 x
                              - -----------------
                                (x + 1) (2 x - 1)



------------------------------------------------------------------------------

Sequence:  A062510
Score: 8.60016
Type of gen. func.: ogf


                                         2
```

$$(f(x) + 3) (2 f(x) x + f(x) x - f(x) + 3 x)$$

Sequence: A062510
Score: 8.60017
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 2 a(n), a(0) = 0, a(1) = 3\}$$

Sequence: A062544
Score: 14.1288
Type of gen. func.: ogf

$$-\frac{x}{(x^3 + x^2 + x - 1) (x - 1)^2}$$

Sequence: A062544
Score: 18.4276
Type of gen. func.: lgdogf

$$-\frac{5 x^3 + x^2 + x - 3}{(x - 1) (x^3 + x^2 + x - 1)}$$

Sequence: A062545
Score: 10.5256
Type of gen. func.: ogf

$$f(x) (f(x) x^2 - 2 f(x) x + 3 x^2 + f(x) - 5 x)$$

Sequence: A062545
Score: 17.3994
Type of gen. func.: ogf

$$-\frac{x (3 x - 5)}{(x - 1)^2}$$

Sequence: A062545
Score: 24.7086
Type of gen. func.: revogf

$$-\frac{-5 - 2 x + (25 + 8 x)^{1/2}}{2 (x + 3)}$$

Sequence: A062545
Score: 36.5258
Type of gen. func.: lgdogf

$$-\frac{-7 + 3 x}{(x - 1) (3 x - 5)}$$

Sequence: A062545
Score: 8.44129
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n + 1), a(0) = 0, a(1) = 5, a(2) = 7\}$$

Sequence: A062547
Score: 11.9104
Type of gen. func.: lgdogf

$$-\frac{15 x^4 + 24 x^3 + 26 x^2 + 16 x + 3}{(x + 1) (3 x^2 - 1) (5 x^2 + 4 x + 1)}$$

Sequence: A062547
Score: 11.9483
Type of gen. func.: ogf

$$-\frac{5 x^2 + 4 x + 1}{(x + 1) (3 x^2 - 1)}$$

Sequence: A062547
Score: 6.28316

Type of gen. func.: ogf

$$-(3 f(x) + 10) (3 f(x) x^3 + 3 f(x) x^2 - f(x) x + 5 x^2 - f(x) + 4 x + 1)$$

Sequence: A062547
Score: 6.50756
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) + 3 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 3, a(2) = 5\}$$

Sequence: A062561
Score: 5.20045
Type of gen. func.: ogf

$$\{(-4 n^2 - 14 n - 12) a(n + 1) + (n^2 + 4 n + 3) a(n + 2), a(0) = 0, a(1) = 3\}$$

Sequence: A062561
Score: 8.06737
Type of gen. func.: ogf

$$-4 f(x)^2 x^2 + f(x)^2 x - 12 f(x) x + 3 f(x) - 9 x$$

Sequence: A062561
Score: 9.99548
Type of gen. func.: revogf

$$\frac{(x^2 + 18 x + 9)^{1/2} x + 3 (x^2 + 18 x + 9)^{1/2} - 9 - 12 x + x^2}{8 x^2}$$

Sequence: A062708
Score: 14.0384
Type of gen. func.: ogf

$$-\frac{x (7 x + 2)}{(x - 1)^3}$$

Sequence: A062708
Score: 32.8625
Type of gen. func.: lgdogf

$$-\frac{13 + 14 x}{(7 x + 2) (x - 1)}$$

Sequence: A062708
Score: 6.72425
Type of gen. func.: ogf

$$-(26487 f(x) - 75911) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 7 x^2 - f(x) + 2 x)$$

Sequence: A062708
Score: 7.14452
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 2, a(2) = 13\}$$

Sequence: A062709
Score: 10.7763
Type of gen. func.: revegf]

$$1/2 \ln(2 x + 7) - \operatorname{arctanh}\left(\frac{(2 x + 16)^{1/2}}{3}\right) - 1/2 \ln(7) + \operatorname{arctanh}(4/3)$$

Sequence: A062709
Score: 15.6343
Type of gen. func.: ogf

$$-\frac{7 x - 4}{(2 x - 1) (x - 1)}$$

Sequence: A062709
Score: 17.6842
Type of gen. func.: lgdogf

$$-\frac{14 x^{2} - 16 x + 5}{(x - 1) (7 x - 4) (2 x - 1)}$$

Sequence: A062709
Score: 8.18075
Type of gen. func.: ogf

$$(f(x) - 29) (2 f(x) x^{2} - 3 f(x) x + f(x) + 7 x - 4)$$

Sequence: A062709
Score: 8.57982
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 4, a(1) = 5\}$$

Sequence: A062717
Score: 10.0899
Type of gen. func.: ogf

$$-\frac{4 (x^{2} + x + 1) x}{(x + 1)^{2} (x - 1)^{3}}$$

Sequence: A062717
Score: 19.1811
Type of gen. func.: lgdogf

$$-\frac{3 x^{3} + 5 x^{2} + 8 x + 2}{(x - 1) (x + 1) (x^{2} + x + 1)}$$

Sequence: A062717
Score: 32.5181
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{2} + 2 x + 2$$

Sequence: A062723
Score: 7.21694
Type of gen. func.: lgdogf

$$\frac{162 x^8 + 36 x^7 + 27 x^6 - 108 x^5 - 36 x^4 - 42 x^3 - 18 x^2 - 4 x - 1}{(3 x^3 - 1) (18 x^6 + 6 x^5 + 9 x^4 + 3 x^3 + 2 x^2 + x + 1)}$$

Sequence: A062723
Score: 9.51037
Type of gen. func.: ogf

$$- \frac{18 x^6 + 6 x^5 + 9 x^4 + 3 x^3 + 2 x^2 + x + 1}{3 x^3 - 1}$$

Sequence: A062724
Score: 11.0020
Type of gen. func.: lgdogf

$$- \frac{6 x^5 + 3 x^4 - 8 x^3 - 3 x^2 + 2 x + 2}{(x - 1) (x + 1) (3 x^2 - 2) (x^2 + x - 1)}$$

Sequence: A062724
Score: 11.0550
Type of gen. func.: ogf

$$- \frac{3 x^2 - 2}{(x - 1) (x + 1) (x^2 + x - 1)}$$

Sequence: A062724
Score: 6.97643
Type of gen. func.: ogf

$$f(x) x^4 + f(x) x^3 - 2 f(x) x^2 - f(x) x + 3 x^2 + f(x) - 2$$

Sequence: A062725
Score: 14.1055
Type of gen. func.: ogf

$$-\frac{x\,(2\,x+7)}{(x-1)^{3}}$$

Sequence: A062725
Score: 34.4578
Type of gen. func.: lgdogf

$$-\frac{23+4\,x}{(2\,x+7)\,(x-1)}$$

Sequence: A062725
Score: 6.93116
Type of gen. func.: ogf

$$(26001\,f(x)-103448)\,(f(x)\,x^{3}-3\,f(x)\,x^{2}+3\,f(x)\,x+2\,x^{2}-f(x)+7\,x)$$

Sequence: A062725
Score: 7.17870
Type of gen. func.: ogf

$$\{a(n+3)-3\,a(n+2)+3\,a(n+1)-a(n),\ a(0)=0,\ a(1)=7,\ a(2)=23\}$$

Sequence: A062728
Score: 14.1055
Type of gen. func.: ogf

$$-\frac{x\,(x+8)}{(x-1)^{3}}$$

Sequence: A062728
Score: 37.7395
Type of gen. func.: lgdogf

$$-\frac{25 + 2 x}{(x + 8) (x - 1)}$$

Sequence: A062728
Score: 6.93116
Type of gen. func.: ogf

$$(58563 f(x) - 269297) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 8 x)$$

Sequence: A062728
Score: 7.17870
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 8, a(2) = 25\}$$

Sequence: A062730
Score: 6.21904
Type of gen. func.: lgdogf

$$(15 x^9 - 11 x^8 - 44 x^7 + 28 x^6 + 44 x^5 - 20 x^4 - 21 x^3 - 7 x^2 + 16 x + 12) \Big/ ((x - 1) (x + 1) (5 x^8 - 3 x^7 - 7 x^6 + 3 x^5 - 5 x^4 + 5 x^3 + 12 x^2 - 5 x - 7))$$

Sequence: A062730
Score: 6.39503
Type of gen. func.: ogf

$$\frac{5 x^8 - 3 x^7 - 7 x^6 + 3 x^5 - 5 x^4 + 5 x^3 + 12 x^2 - 5 x - 7}{(x + 1)^2 (x - 1)^3}$$

Sequence: A062741
Score: 14.0384
Type of gen. func.: ogf

$$-\frac{3(2x+1)x}{(x-1)^3}$$

Sequence: A062741
Score: 35.8500
Type of gen. func.: lgdogf

$$-\frac{4x+5}{(2x+1)(x-1)}$$

Sequence: A062741
Score: 7.14452
Type of gen. func.: ogf

$$-(9f(x)-26)(f(x)x^3-3f(x)x^2+3f(x)x+6x^2-f(x)+3x)$$

Sequence: A062741
Score: 7.14452
Type of gen. func.: ogf

$$\{a(n+3)-3a(n+2)+3a(n+1)-a(n),\ a(0)=0,\ a(1)=3,\ a(2)=15\}$$

Sequence: A062747
Score: 3.70384
Type of gen. func.: ogf

$$-f(x)^3x^3-2f(x)^3x^2-f(x)^3x-3f(x)^2x^2-3f(x)^2x-3f(x)x+f(x)-1$$

Sequence: A062747
Score: 9.48226
Type of gen. func.: revogf

$$\frac{(-2x^2+1-3x+(-7x^2-10x+1)^{1/2})x}{2(x+1)^3}$$

Sequence: A062748
Score: 18.8700
Type of gen. func.: lgdogf

$$-\frac{2x^2 - 7x + 9}{(x-1)(x^2 - 3x + 3)}$$

Sequence: A062748
Score: 4.68477
Type of gen. func.: ogf

(218 f(x) + 11)

$$(f(x)\,x^4 - 4 f(x)\,x^3 + 6 f(x)\,x^2 - 4 f(x)\,x - x^2 + f(x) + 3x - 3)$$

Sequence: A062748
Score: 8.96217
Type of gen. func.: ogf

$$\frac{x^2 - 3x + 3}{(x-1)^4}$$

Sequence: A062749
Score: 5.38523
Type of gen. func.: ogf

$$\frac{3x^4 - 15x^3 + 30x^2 - 29x + 12}{(x-1)^6}$$

Sequence: A062749
Score: 8.60607
Type of gen. func.: lgdogf

$$-\frac{6x^4 - 33x^3 + 75x^2 - 85x + 43}{(x-1)(3x^4 - 15x^3 + 30x^2 - 29x + 12)}$$

Sequence: A062765
Score: 10.3311
Type of gen. func.: ogf

$$-\frac{6 x^2 (8 x^2 - 5 x + 1)}{(x - 1)^5}$$

Sequence: A062765
Score: 28.8501
Type of gen. func.: lgdogf

$$-\frac{4 x (6 x - 1)}{(x - 1) (8 x^2 - 5 x + 1)}$$

Sequence: A062765
Score: 5.57253
Type of gen. func.: ogf

$$\{(48 + 24 n) a(n + 1) + (7 n^2 - 14 n) a(n + 2) + (-7 n^2 + 18 n + 25) a(n + 3),$$
$$a(0) = 0, a(1) = 0, a(2) = 6\}$$

Sequence: A062779
Score: 4.15328
Type of gen. func.: ogf

$$\{(-4 n^3 - 22 n^2 - 40 n - 24) a(n + 1) + (n + 1) a(n + 2), a(0) = 0, a(1) = 4\}$$

Sequence: A062781
Score: 11.3929
Type of gen. func.: ogf

$$-\frac{x^3}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A062781
Score: 21.5161
Type of gen. func.: lgdogf

$$-\frac{5 x^{2} + 2 x + 2}{(x - 1) (x^{2} + x + 1)}$$

Sequence: A062781
Score: 25.8417
Type of gen. func.: ogf_with_Euler_transform]

$$[x^{2} + 2]$$

Sequence: A062781
Score: 4.03351
Type of gen. func.: ogf

$$\{(n + 3) a(n + 1) + 2 a(n + 2) + 2 a(n + 3) + (-n - 1) a(n + 4), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$$

Sequence: A062781
Score: 4.54123
Type of gen. func.: ogf

$$-(5 f(x) - 4) (f(x) x^{5} - 2 f(x) x^{4} + f(x) x^{3} - f(x) x^{2} + x^{3} + 2 f(x) x - f(x))$$

Sequence: A062783
Score: 12.9975
Type of gen. func.: ogf

$$-\frac{3 x (5 x + 3)}{(x - 1)^{3}}$$

Sequence: A062783
Score: 30.9464

Type of gen. func.: lgdogf

$$-\frac{2\,(5\,x+7)}{(5\,x+3)\,(x-1)}$$

Sequence: A062783
Score: 6.44321
Type of gen. func.: ogf

$$-(960\,f(x)-7469)\,(f(x)\,x^{3}-3\,f(x)\,x^{2}+3\,f(x)\,x+15\,x^{2}-f(x)+9\,x)$$

Sequence: A062783
Score: 6.73085
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 9, a(2) = 42}

Sequence: A062786
Score: 13.0425
Type of gen. func.: ogf

$$-\frac{x^{2}+8\,x+1}{(x-1)^{3}}$$

Sequence: A062786
Score: 24.3864
Type of gen. func.: lgdogf

$$-\frac{x^{2}+18\,x+11}{(x-1)\,(x^{2}+8\,x+1)}$$

Sequence: A062786
Score: 6.97888
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 11, a(2) = 31}

Sequence: A062786
Score: 7.1035
Type of gen. func.: ogf

$$(7 f(x) - 36) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 8 x + 1)$$

Sequence: A062788
Score: 4.36041
Type of gen. func.: ogf

$$(669792195 f(x) - 2564602)$$
$$(f(x) x^3 - 323 f(x) x^2 + 323 f(x) x + x^2 - f(x) + 38 x + 1)$$

Sequence: A062828
Score: 10.0101
Type of gen. func.: ogf

$$\frac{2 x^6 + x^5 + 3 x^4 + 2 x^3 + 6 x^2 + x + 1}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A062828
Score: 7.53318
Type of gen. func.: lgdogf

$$- \frac{4 x^9 + 3 x^8 + 12 x^7 + 10 x^6 + 48 x^5 + 12 x^4 + 20 x^3 + 6 x^2 + 12 x + 1}{(x - 1) (x + 1) (x^2 + 1) (2 x^6 + x^5 + 3 x^4 + 2 x^3 + 6 x^2 + x + 1)}$$

Sequence: A062882
Score: 12.5115
Type of gen. func.: ogf

$$\frac{3 x^3 - 9 x + 4}{3 x^3 - 3 x + 1}$$

Sequence: A062882
Score: 16.2445
Type of gen. func.: lgdogf

$$-\frac{3\,(3x^4-2x+1)}{(3x^2-1)\,(3x^3-3x+1)}$$

Sequence: A062882
Score: 5.76616
Type of gen. func.: ogf

{-a(n + 4) + 3 a(n + 3) - 3 a(n + 1), a(0) = 4, a(1) = 3, a(2) = 9, a(3) = 18}

Sequence: A062882
Score: 7.21422
Type of gen. func.: ogf

$$(5\,f(x)+12)\,(3\,f(x)\,x^3-3\,f(x)\,x+9\,x^2+f(x)-3)$$

Sequence: A062883
Score: 5.43017
Type of gen. func.: lgdogf

$$-\frac{5x^8+16x^7-4x^6-56x^5+27x^4+28x^3+32x^2-46x+12}{(5x^4+8x^3-15x^2-4x+4)\,(x^5+2x^4-5x^3-2x^2+4x-1)}$$

Sequence: A062883
Score: 6.72416
Type of gen. func.: ogf

$$-\frac{5x^4+8x^3-15x^2-4x+4}{x^5+2x^4-5x^3-2x^2+4x-1}$$

Sequence: A062890
Score: 5.60163
Type of gen. func.: ogf

$$\frac{x^4 (x^3 - x^2 + 1)}{(x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x + 1)^3 (x - 1)^4}$$

Sequence: A062890
Score: 6.67324
Type of gen. func.: lgdogf

$$-\frac{10 x^{10} - 10 x^9 + 12 x^8 + x^7 + 9 x^6 + 8 x^5 + 6 x^4 + 6 x^3 + 4 x^2 + x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^3 - x^2 + 1)}$$

Sequence: A062897
Score: 6.00365
Type of gen. func.: ogf

$$-2 (55 x^{25} - 55 x^{24} + 5 x^{20} - 5 x^{19} + 5 x^{15} - 5 x^{14} + 5 x^{10} - 5 x^9 + 5 x^5 - 5 x^4 - 1) \Big/ (x - 1)^2$$

Sequence: A062905
Score: 10.4311
Type of gen. func.: ogf

$$-\frac{15 x (294 x^7 - 294 x^6 + 33 x - 34)}{(x - 1)^2}$$

Sequence: A062905
Score: 11.3389
Type of gen. func.: lgdogf

$$\frac{1470 x^7 - 3234 x^6 + 1764 x^5 - 33 x + 35}{\qquad {}^{7} \qquad\qquad {}^{6}}$$

$$(x - 1) (294 x - 294 x + 33 x - 34)$$

Sequence: A062908
Score: 5.45735
Type of gen. func.: ogf

$$- 2 (56 x^{20} - x^{17} - 51 x^{16} + x^{15} - x^{11} + x^{10} - x^{6} + x^{5} + 4 x^{4} - x^{3} - x^{2} - 2 x - 10) / ((x^{2} + 1) (x + 1) (x - 1)^{2})$$

Sequence: A062919
Score: 11.8498
Type of gen. func.: egf]

$$(f(x) x - f(x) + 1)^{2}$$

Sequence: A062938
Score: 12.1458
Type of gen. func.: lgdogf

$$- \frac{x^{4} - 4 x^{3} + 6 x^{2} + 92 x + 25}{(x - 1) (x^{4} - 4 x^{3} + 6 x^{2} + 20 x + 1)}$$

Sequence: A062938
Score: 7.35724
Type of gen. func.: ogf

$$- \frac{x^{4} - 4 x^{3} + 6 x^{2} + 20 x + 1}{(x - 1)^{5}}$$

Sequence: A062966
Score: 12.5419
Type of gen. func.: lgdogf

$$4 x^{3} - 17 x^{2} + 28 x - 22$$

$$-\frac{}{(x - 1) (x - 2) (x^2 - 2 x + 2)}$$

Sequence: A062966
Score: 5.86302
Type of gen. func.: ogf

$$\frac{(x - 2) (x^2 - 2 x + 2)}{(x - 1)^7}$$

Sequence: A062988
Score: 3.69019
Type of gen. func.: ogf

$\{(n + 8) a(n + 1) + (-2 n - 12) a(n + 2) + (n + 4) a(n + 3), a(0) = 5,$

$a(1) = 20, a(2) = 55\}$

Sequence: A062988
Score: 5.32641
Type of gen. func.: ogf

$$\frac{x^4 - 5 x^3 + 10 x^2 - 10 x + 5}{(x - 1)^6}$$

Sequence: A062988
Score: 8.74594
Type of gen. func.: lgdogf

$$-\frac{2 x^4 - 11 x^3 + 25 x^2 - 30 x + 20}{(x - 1) (x^4 - 5 x^3 + 10 x^2 - 10 x + 5)}$$

Sequence: A062989
Score: 12.6579
Type of gen. func.: lgdogf

$$-\frac{3 x^4 - 16 x^3 + 35 x^2 - 40 x + 25}{(x - 1) (x^4 - 5 x^3 + 10 x^2 - 10 x + 5)}$$

Sequence: A062989
Score: 4.46933
Type of gen. func.: ogf

$$\{(n^2 + 11 n + 24) a(n + 1) + (-2 n^2 - 16 n - 24) a(n + 2)$$
$$+ (n^2 + 5 n + 6) a(n + 3), a(0) = 0, a(1) = 5, a(2) = 25\}$$

Sequence: A062989
Score: 6.68522
Type of gen. func.: ogf

$$-\frac{x (x^4 - 5 x^3 + 10 x^2 - 10 x + 5)}{(x - 1)^7}$$

Sequence: A062990
Score: 3.44131
Type of gen. func.: ogf

$$\{(n^2 + 15 n + 50) a(n + 1) + (-2 n^2 - 22 n - 48) a(n + 2)$$
$$+ (n^2 + 7 n + 12) a(n + 3), a(0) = 5, a(1) = 30, a(2) = 110\}$$

Sequence: A062990
Score: 5.05095
Type of gen. func.: ogf

$$\frac{x^4 - 5 x^3 + 10 x^2 - 10 x + 5}{(x - 1)^8}$$

Sequence: A062990

Score: 9.88465
Type of gen. func.: lgdogf

$$-\frac{4 x^4 - 21 x^3 + 45 x^2 - 50 x + 30}{(x - 1) (x^4 - 5 x^3 + 10 x^2 - 10 x + 5)}$$

Sequence: A062992
Score: 34.3852
Type of gen. func.: revogf

$$-\frac{x (x - 1)}{(x + 1)^2}$$

Sequence: A062992
Score: 7.74969
Type of gen. func.: ogf

$$f(x)^2 x^2 + f(x)^2 x + 2 f(x) x - f(x) + 1$$

Sequence: A062998
Score: 7.48418
Type of gen. func.: ogf

$$-\frac{10 x^{17} - 12 x^9 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 1}{(x + 1) (x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A063016
Score: 11.0866
Type of gen. func.: lgdogf

$$-3 + 8 x + (32 x^2 - 12 x + 1) f(x) + (32 x^3 - 12 x^2 + x) f(x)^2$$

Sequence: A063016
Score: 24.4830
Type of gen. func.: revogf

$$(-3 x + (8 x^2 + 1)^{1/2}) x$$

Sequence: A063016
Score: 3.25962
Type of gen. func.: ogf

$$\{(-32 n^2 - 128 n - 120) a(n + 1) + (12 n^2 + 66 n + 90) a(n + 2) + (-n^2 - 7 n - 12) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 14\}$$

Sequence: A063018
Score: 12.9195
Type of gen. func.: revogf

$$a(n + 5), a(0) = 0, a(1) = 1, a(2) = -1, a(3) = -1, a(4) = -1$$

Sequence: A063019
Score: 14.2095
Type of gen. func.: revogf

$$a(n + 5), a(0) = 0, a(1) = 1, a(2) = -1, a(3) = 1, a(4) = -1$$

Sequence: A063020
Score: 13.7884
Type of gen. func.: revogf

$$(-2 - n) a(n + 3) - a(n + 2) + (-3 + n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = -1$$

Sequence: A063021
Score: 46.6159
Type of gen. func.: revogf

$$-x (x^4 + x - 1)$$

Sequence: A063022
Score: 24.2326
Type of gen. func.: revogf

$$-x (x + 1) (x^3 - x^2 + 2 x - 1)$$

Sequence: A063023
Score: 29.2918
Type of gen. func.: revogf

$$-x (x^2 + 1) (x^2 + x - 1)$$

Sequence: A063024
Score: 28.4511
Type of gen. func.: revogf

$$-x (x^4 + x^3 + x^2 + x - 1)$$

Sequence: A063025
Score: 32.0695
Type of gen. func.: revogf

$$-x (x^4 + x^3 - x^2 + x - 1)$$

Sequence: A063026
Score: 25.8609
Type of gen. func.: revogf

$$-x (x - 1) (x + 1) (x^2 - x + 1)$$

Sequence: A063027
Score: 29.1232
Type of gen. func.: revogf

$$-x (x^4 - x^3 + x^2 + x - 1)$$

Sequence: A063028
Score: 65.8154

Type of gen. func.: revogf

$$x (x^4 - x + 1)$$

Sequence: A063029
Score: 28.7614
Type of gen. func.: revogf

$$x (x - 1) (x^3 + x^2 - 1)$$

Sequence: A063030
Score: 30.9520
Type of gen. func.: revogf

$$x (x^2 + x + 1) (x - 1)^2$$

Sequence: A063031
Score: 30.9442
Type of gen. func.: revogf

$$x (x^4 - x^3 - x^2 - x + 1)$$

Sequence: A063032
Score: 31.3417
Type of gen. func.: revogf

$$x (x^4 + x^3 - x^2 - x + 1)$$

Sequence: A063033
Score: 15.6120
Type of gen. func.: revogf

$$a(n + 5), a(0) = 0, a(1) = 1, a(2) = -1, a(3) = 0, a(4) = 1$$

Sequence: A063034
Score: 45.3179

Type of gen. func.: revogf

$$x\,(x^4 + x^3 - x + 1)$$

Sequence: A063042
Score: 10.6195
Type of gen. func.: lgdogf

$$-\frac{9\,x^8 + 36\,x^7 + 108\,x^6 + 28\,x^5 + 15\,x^4 + 36\,x^3 + 54\,x^2 + 72\,x + 7}{(x - 1)\,(x^4 + x^3 + x^2 + x + 1)\,(9\,x^4 + 18\,x^3 + 36\,x^2 + 7\,x + 3)}$$

Sequence: A063042
Score: 17.7128
Type of gen. func.: ogf

$$-\frac{9\,x^4 + 18\,x^3 + 36\,x^2 + 7\,x + 3}{(x - 1)\,(x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A063052
Score: 7.07488
Type of gen. func.: ogf

$$\frac{3\,(10\,x^7 - 296\,x^6 + 30\,x^5 + 30\,x^4 + 30\,x^3 + 30\,x^2 + 173\,x + 326)}{(x^2 - x + 1)\,(x^2 + x + 1)\,(x + 1)\,(x - 1)^2}$$

Sequence: A063081
Score: 6.42082
Type of gen. func.: lgdogf

$$-\frac{x^7 + 3\,x^6 + 16\,x^5 + 38\,x^4 + 50\,x^3 + 36\,x^2 + 19\,x + 5}{(x - 1)\,(x + 1)\,(x^2 + x + 1)\,(x^4 + x^3 + 4\,x^2 + 5\,x + 3)}$$

Sequence: A063081

Score: 7.08766
Type of gen. func.: ogf

$$\frac{x (x^4 + x^3 + 4 x^2 + 5 x + 3)}{(x^2 + x + 1) (x + 1) (x - 1)^2}$$

Sequence: A063083
Score: 4.24388
Type of gen. func.: ogf

{(-2 n - 4) a(n + 1) + (-n - 1) a(n + 2) + a(n + 3), a(0) = 0, a(1) = 1,

a(2) = 0}

Sequence: A063087
Score: 5.15538
Type of gen. func.: ogf

$$(15 f(x) + 71) (f(x) x^4 - f(x) x^3 - x^4 - x^3 - f(x) x - 4 x^2 + f(x) - 3 x - 1)$$

Sequence: A063087
Score: 8.63692
Type of gen. func.: ogf

$$\frac{x^4 + x^3 + 4 x^2 + 3 x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A063087
Score: 9.27708
Type of gen. func.: lgdogf

$$- \frac{2 (x^5 + 5 x^4 + 9 x^3 + 7 x^2 + 6 x + 2)}{(x - 1) (x^4 + x^3 + 4 x^2 + 3 x + 1) (x^2 + x + 1)}$$

Sequence: A063089
Score: 5.31334

Type of gen. func.: ogf

$$-(56 f(x) + 129)$$

$$(f(x) x^4 - f(x) x^3 - x^4 - 3 x^3 - f(x) x - 6 x^2 + f(x) - 5 x - 1)$$

Sequence: A063089
Score: 9.16236
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^5 + 8 x^4 + 14 x^3 + 12 x^2 + 9 x + 3)}{(x - 1) (x + 1) (x^2 + x + 1) (x^3 + 2 x^2 + 4 x + 1)}$$

Sequence: A063089
Score: 9.24660
Type of gen. func.: ogf

$$\frac{(x + 1) (x^3 + 2 x^2 + 4 x + 1)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A063092
Score: 15.4135
Type of gen. func.: revogf

$$\frac{-x - 1 + (45 x^2 + 6 x + 1)^{1/2}}{2 (1 + 11 x)}$$

Sequence: A063092
Score: 16.2197
Type of gen. func.: ogf

$$- \frac{x + 1}{11 x^2 + x - 1}$$

Sequence: A063092

Score: 17.6155
Type of gen. func.: lgdogf

$$-\frac{11 x^2 + 22 x + 2}{(x + 1) (11 x^2 + x - 1)}$$

Sequence: A063092
Score: 8.29005
Type of gen. func.: ogf

$$(213 f(x) - 197) (11 f(x) x^2 + f(x) x - f(x) + x + 1)$$

Sequence: A063092
Score: 8.98922
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 11 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A063093
Score: 10.7129
Type of gen. func.: ogf

$$\frac{x (x^2 + 4 x + 5)}{(x + 1) (x - 1)^2}$$

Sequence: A063093
Score: 16.3001
Type of gen. func.: lgdogf

$$-\frac{(x + 3) (x^2 + 6 x + 3)}{(x - 1) (x + 1) (x^2 + 4 x + 5)}$$

Sequence: A063093
Score: 5.27530
Type of gen. func.: ogf

$\{-a(n+4)+a(n+3)+a(n+2)-a(n+1), a(0)=0, a(1)=5, a(2)=9, a(3)=15\}$

Sequence: A063093
Score: 5.8516
Type of gen. func.: ogf

$$(230 f(x) + 237) (f(x) x^3 - f(x) x^2 - x^3 - f(x) x - 4 x^2 + f(x) - 5 x)$$

Sequence: A063094
Score: 10.5454
Type of gen. func.: ogf

$$\frac{x^3 + 4 x^2 + 7 x + 2}{(x + 1) (x - 1)^2}$$

Sequence: A063094
Score: 14.2398
Type of gen. func.: lgdogf

$$-\frac{(x + 3) (5 x^2 + 6 x + 3)}{(x - 1) (x + 1) (x^3 + 4 x^2 + 7 x + 2)}$$

Sequence: A063094
Score: 5.43012
Type of gen. func.: ogf

$\{a(n+4)-a(n+3)-a(n+2)+a(n+1), a(0)=2, a(1)=9, a(2)=15, a(3)=23\}$

Sequence: A063094
Score: 6.01352
Type of gen. func.: ogf

$$(23 + 56 f(x)) (f(x) x^3 - f(x) x^2 - x^3 - f(x) x - 4 x^2 + f(x) - 7 x - 2)$$

Sequence: A063095
Score: 12.9853
Type of gen. func.: ogf

$$-\frac{6x^{29}+2x^{23}+2x^{8}+2x^{3}+x+1}{x-1}$$

Sequence: A063095
Score: 9.04476
Type of gen. func.: lgdogf

$$\frac{2\,(84x^{29}-87x^{28}+22x^{23}-23x^{22}+7x^{8}-8x^{7}+2x^{3}-3x^{2}-1)}{(x-1)\,(6x^{29}+2x^{23}+2x^{8}+2x^{3}+x+1)}$$

Sequence: A063097
Score: 10.2620
Type of gen. func.: ogf

$$\frac{x^{3}+2x^{2}+5x+2}{(x+1)\,(x-1)^{2}}$$

Sequence: A063097
Score: 13.3159
Type of gen. func.: lgdogf

$$-\frac{3x^{3}+15x^{2}+15x+7}{(x-1)\,(x+1)\,(x^{3}+2x^{2}+5x+2)}$$

Sequence: A063097
Score: 5.28415
Type of gen. func.: ogf

{a(n + 4) - a(n + 3) - a(n + 2) + a(n + 1), a(0) = 2, a(1) = 7, a(2) = 11,

a(3) = 17}

Sequence: A063097
Score: 5.5754
Type of gen. func.: ogf

$$-(210 f(x) - 289) (f(x) x^3 - f(x) x^2 - x^3 - f(x) x - 2 x^2 + f(x) - 5 x - 2)$$

Sequence: A063098
Score: 14.2457
Type of gen. func.: ogf

$$\frac{x^2 + 8 x + 3}{(x - 1)^2}$$

Sequence: A063098
Score: 25.4956
Type of gen. func.: lgdogf

$$- \frac{2 (5 x + 7)}{(x - 1) (x^2 + 8 x + 3)}$$

Sequence: A063098
Score: 7.25981
Type of gen. func.: ogf

{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 3, a(1) = 14, a(2) = 26}

Sequence: A063098
Score: 8.03213
Type of gen. func.: ogf

$$(6 f(x) + 31) (f(x) x^2 - 2 f(x) x - x^2 + f(x) - 8 x - 3)$$

Sequence: A063099

Score: 5.31334
Type of gen. func.: ogf

$$-(32 f(x) + 251)$$

$$(f(x) x^4 - f(x) x^3 - x^4 - 2 x^3 - f(x) x - 6 x^2 + f(x) - 5 x - 2)$$

Sequence: A063099
Score: 9.16236
Type of gen. func.: lgdogf

$$-\frac{3 x^5 + 15 x^4 + 27 x^3 + 25 x^2 + 19 x + 7}{(x - 1) (x^2 + x + 1) (x^4 + 2 x^3 + 6 x^2 + 5 x + 2)}$$

Sequence: A063099
Score: 9.24660
Type of gen. func.: ogf

$$\frac{x^4 + 2 x^3 + 6 x^2 + 5 x + 2}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A063102
Score: 10.8289
Type of gen. func.: ogf

$$\frac{x^3 + 5 x^2 + 9 x + 3}{(x + 1) (x - 1)^2}$$

Sequence: A063102
Score: 14.0682
Type of gen. func.: lgdogf

$$-\frac{2 (x + 3) (3 x^2 + 4 x + 2)}{(x - 1) (x + 1) (x^3 + 5 x^2 + 9 x + 3)}$$

Sequence: A063102
Score: 5.53479
Type of gen. func.: ogf

$$\{a(n+4) - a(n+3) - a(n+2) + a(n+1),\ a(0) = 3,\ a(1) = 12,\ a(2) = 20,\ a(3) = 30\}$$

Sequence: A063102
Score: 6.07477
Type of gen. func.: ogf

$$(369 f(x) + 253) (f(x) x^3 - f(x) x^2 - x^3 - f(x) x - 5 x^2 + f(x) - 9 x - 3)$$

Sequence: A063105
Score: 6.67996
Type of gen. func.: lgdogf

$$- \frac{3 x^7 + 25 x^6 + 70 x^5 + 112 x^4 + 114 x^3 + 84 x^2 + 39 x + 9}{(x - 1) (x + 1) (x^2 + x + 1) (x^5 + 3 x^4 + 10 x^3 + 13 x^2 + 9 x + 2)}$$

Sequence: A063105
Score: 7.95301
Type of gen. func.: ogf

$$\frac{x^5 + 3 x^4 + 10 x^3 + 13 x^2 + 9 x + 2}{(x^2 + x + 1) (x + 1) (x - 1)^2}$$

Sequence: A063107
Score: 11.2546
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^4 + 10 x^3 + 13 x^2 + 10 x + 6)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 + 3 x + 3)}$$

Sequence: A063107
Score: 5.66058
Type of gen. func.: ogf

$$(91 f(x) + 1255)$$

$$(f(x) x^4 - f(x) x^3 - x^4 - 5 x^3 - f(x) x - 10 x^2 + f(x) - 9 x - 3)$$

Sequence: A063107
Score: 9.57944
Type of gen. func.: ogf

$$\frac{(x^2 + 3 x + 3) (x + 1)^2}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A063109
Score: 10.6588
Type of gen. func.: ogf

$$\frac{x^3 + 3 x^2 + 7 x + 3}{(x + 1) (x - 1)^2}$$

Sequence: A063109
Score: 13.3298
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^3 + 10 x^2 + 11 x + 5)}{(x - 1) (x + 1) (x^3 + 3 x^2 + 7 x + 3)}$$

Sequence: A063109
Score: 5.44785
Type of gen. func.: ogf

$\{a(n + 4) - a(n + 3) - a(n + 2) + a(n + 1), a(0) = 3, a(1) = 10, a(2) = 16,$

$a(3) = 24\}$

Sequence: A063109
Score: 5.97935
Type of gen. func.: ogf

$$(-227 + 497 f(x)) (f(x) x^3 - f(x) x^2 - x^3 - f(x) x - 3 x^2 + f(x) - 7 x - 3)$$

Sequence: A063110
Score: 10.6494
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x + x^2 - f(x) + 10 x + 5$$

Sequence: A063110
Score: 14.1992
Type of gen. func.: ogf

$$\frac{x^2 + 10 x + 5}{(x - 1)^2}$$

Sequence: A063110
Score: 25.9003
Type of gen. func.: lgdogf

$$- \frac{4 (5 + 3 x)}{(x - 1) (x^2 + 10 x + 5)}$$

Sequence: A063110
Score: 7.37265
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 5, a(1) = 20, a(2) = 36\}$$

Sequence: A063111
Score: 5.48851
Type of gen. func.: ogf

$$-(33 f(x) + 467)$$

$$(f(x) x^4 - f(x) x^3 - x^4 - 3 x^3 - f(x) x - 8 x^2 + f(x) - 7 x - 3)$$

Sequence: A063111
Score: 9.55143
Type of gen. func.: ogf

$$\frac{x^4 + 3 x^3 + 8 x^2 + 7 x + 3}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A063111
Score: 9.59749
Type of gen. func.: lgdogf

$$- \frac{2 (x + 1) (2 x^4 + 8 x^3 + 10 x^2 + 8 x + 5)}{(x - 1) (x^2 + x + 1) (x^4 + 3 x^3 + 8 x^2 + 7 x + 3)}$$

Sequence: A063116
Score: 10.5951
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x + x^2 - f(x) + 12 x + 3$$

Sequence: A063116
Score: 14.1267
Type of gen. func.: ogf

$$\frac{x^2 + 12 x + 3}{(x - 1)^2}$$

Sequence: A063116
Score: 25.7654
Type of gen. func.: lgdogf

$$-\frac{2 (9 + 7 x)}{(x - 1) (x^2 + 12 x + 3)}$$

Sequence: A063116
Score: 7.33504
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 3, a(1) = 18, a(2) = 34\}$$

Sequence: A063117
Score: 5.53479
Type of gen. func.: ogf

-(56 f(x) - 813)

$$(f(x) x^4 - f(x) x^3 - x^4 - 7 x^3 - f(x) x - 10 x^2 + f(x) - 9 x - 1)$$

Sequence: A063117
Score: 9.50062
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^2 + 5 x + 5) (2 x^3 + 2 x^2 + 2 x + 1)}{(x - 1) (x^2 + x + 1) (x^4 + 7 x^3 + 10 x^2 + 9 x + 1)}$$

Sequence: A063117
Score: 9.57944
Type of gen. func.: ogf

$$\frac{x^4 + 7 x^3 + 10 x^2 + 9 x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A063118
Score: 11.5754
Type of gen. func.: ogf

$$x^3 + 12 x^2 + 15 x + 2$$

$$\frac{}{(x + 1) (x - 1)^{2}}$$

Sequence: A063118
Score: 14.3923
Type of gen. func.: lgdogf

$$-\frac{13 x^{3} + 45 x^{2} + 45 x + 17}{(x - 1) (x + 1) (x^{3} + 12 x^{2} + 15 x + 2)}$$

Sequence: A063118
Score: 6.08778
Type of gen. func.: ogf

{a(n + 4) - a(n + 3) - a(n + 2) + a(n + 1), a(0) = 2, a(1) = 17, a(2) = 31,

a(3) = 47}

Sequence: A063118
Score: 6.27367
Type of gen. func.: ogf

$$-(1360 f(x) + 4597) (f(x) x^{3} - f(x) x^{2} - x^{3} - f(x) x - 12 x^{2} + f(x) - 15 x - 2)$$

Sequence: A063120
Score: 14.3933
Type of gen. func.: ogf

$$\frac{x^{2} + 8 x + 5}{(x - 1)^{2}}$$

Sequence: A063120
Score: 26.6856
Type of gen. func.: lgdogf

$$-\frac{2 (9 + 5 x)}{{}^{2}}$$

$$(x - 1) (x + 8 x + 5)$$

Sequence: A063120
Score: 7.33504
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 5, a(1) = 18, a(2) = 32\}$$

Sequence: A063120
Score: 8.11537
Type of gen. func.: ogf

$$(7 f(x) + 46) (f(x) x^2 - 2 f(x) x - x^2 + f(x) - 8 x - 5)$$

Sequence: A063121
Score: 10.8289
Type of gen. func.: ogf

$$\frac{x^3 + 4 x^2 + 9 x + 4}{(x + 1) (x - 1)^2}$$

Sequence: A063121
Score: 13.8028
Type of gen. func.: lgdogf

$$-\frac{5 x^3 + 25 x^2 + 29 x + 13}{(x - 1) (x + 1) (x^3 + 4 x^2 + 9 x + 4)}$$

Sequence: A063121
Score: 5.53479
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3) - a(n + 2) + a(n + 1), a(0) = 4, a(1) = 13, a(2) = 21, a(3) = 31\}$$

Sequence: A063121
Score: 5.88344
Type of gen. func.: ogf

$$-(-89 + 2934 f(x)) (f(x) x^3 - f(x) x^2 - x^3 - f(x) x - 4 x^2 + f(x) - 9 x - 4)$$

Sequence: A063122
Score: 14.1992
Type of gen. func.: ogf

$$\frac{x^2 + 13 x + 4}{(x - 1)^2}$$

Sequence: A063122
Score: 25.9003
Type of gen. func.: lgdogf

$$- \frac{3 (5 x + 7)}{(x - 1) (x^2 + 13 x + 4)}$$

Sequence: A063122
Score: 7.37265
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 4, a(1) = 21, a(2) = 39\}$$

Sequence: A063122
Score: 8.07112
Type of gen. func.: ogf

$$(4 f(x) + 33) (f(x) x^2 - 2 f(x) x - x^2 + f(x) - 13 x - 4)$$

Sequence: A063125
Score: 5.62172
Type of gen. func.: ogf

$$(380 f(x) + 22307)$$

$$(f(x) x^4 - f(x) x^3 - x^4 - 7 x^3 - f(x) x - 14 x^2 + f(x) - 13 x - 5)$$

Sequence: A063125
Score: 9.52928
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^5 + 18 x^4 + 32 x^3 + 34 x^2 + 23 x + 9)}{(x - 1) (x + 1) (x^3 + 6 x^2 + 8 x + 5) (x^2 + x + 1)}$$

Sequence: A063125
Score: 9.60673
Type of gen. func.: ogf

$$\frac{(x + 1) (x^3 + 6 x^2 + 8 x + 5)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A063126
Score: 10.8978
Type of gen. func.: ogf

$$\frac{(x + 2) (x^2 + 6 x + 3)}{(x + 1) (x - 1)^2}$$

Sequence: A063126
Score: 14.6509
Type of gen. func.: lgdogf

$$- \frac{(x + 3) (9 x^2 + 14 x + 7)}{(x - 1) (x + 2) (x + 1) (x^2 + 6 x + 3)}$$

Sequence: A063126
Score: 5.65070
Type of gen. func.: ogf

$\{a(n+4) - a(n+3) - a(n+2) + a(n+1), a(0) = 6, a(1) = 21, a(2) = 35, a(3) = 51\}$

Sequence: A063126
Score: 5.86803
Type of gen. func.: ogf

$$-(1740 f(x) + 1957) (f(x) x^3 - f(x) x^2 - x^3 - f(x) x - 8 x^2 + f(x) - 15 x - 6)$$

Sequence: A063128
Score: 14.0510
Type of gen. func.: ogf

$$\frac{x^2 + 16 x + 7}{(x - 1)^2}$$

Sequence: A063128
Score: 25.6300
Type of gen. func.: lgdogf

$$-\frac{6 (5 + 3 x)}{(x - 1) (x^2 + 16 x + 7)}$$

Sequence: A063128
Score: 7.29572
Type of gen. func.: ogf

$$\{-a(n+3) + 2 a(n+2) - a(n+1), a(0) = 7, a(1) = 30, a(2) = 54\}$$

Sequence: A063128
Score: 7.9869
Type of gen. func.: ogf

$$(4 f(x) + 47) (f(x) x^2 - 2 f(x) x - x^2 + f(x) - 16 x - 7)$$

Sequence: A063129
Score: 6.68600
Type of gen. func.: lgdogf

$$-\frac{5x^7+39x^6+110x^5+180x^4+190x^3+140x^2+65x+15}{(x-1)(x+1)(x^2+x+1)(x^5+5x^4+16x^3+21x^2+15x+4)}$$

Sequence: A063129
Score: 8.16422
Type of gen. func.: ogf

$$\frac{x^5+5x^4+16x^3+21x^2+15x+4}{(x^2+x+1)(x+1)(x-1)^2}$$

Sequence: A063130
Score: 14.4671
Type of gen. func.: ogf

$$\frac{(x+7)(x+1)}{(x-1)^2}$$

Sequence: A063130
Score: 25.9003
Type of gen. func.: lgdogf

$$-\frac{2(11+5x)}{(x-1)(x+7)(x+1)}$$

Sequence: A063130
Score: 7.37265
Type of gen. func.: ogf

$$\{-a(n+3)+2a(n+2)-a(n+1), a(0)=7, a(1)=22, a(2)=38\}$$

Sequence: A063130
Score: 8.15698
Type of gen. func.: ogf

$$(8 f(x) + 65) (f(x) x^2 - 2 f(x) x - x^2 + f(x) - 8 x - 7)$$

Sequence: A063133
Score: 10.8978
Type of gen. func.: ogf

$$\frac{x^3 + 7 x^2 + 15 x + 5}{(x + 1) (x - 1)^2}$$

Sequence: A063133
Score: 13.5854
Type of gen. func.: lgdogf

$$- \frac{4 (2 x^3 + 10 x^2 + 11 x + 5)}{(x - 1) (x + 1) (x^3 + 7 x^2 + 15 x + 5)}$$

Sequence: A063133
Score: 5.65070
Type of gen. func.: ogf

$\{a(n + 4) - a(n + 3) - a(n + 2) + a(n + 1), a(0) = 5, a(1) = 20, a(2) = 32,$

$a(3) = 48\}$

Sequence: A063133
Score: 6.20199
Type of gen. func.: ogf

$$(43 + 497 f(x)) (f(x) x^3 - f(x) x^2 - x^3 - f(x) x - 7 x^2 + f(x) - 15 x - 5)$$

Sequence: A063134
Score: 14.0510
Type of gen. func.: ogf

$$\frac{x^2 + 14 x + 9}{(x - 1)^2}$$

Sequence: A063134
Score: 26.5454
Type of gen. func.: lgdogf

$$-\frac{16 (x + 2)}{(x - 1) (x^2 + 14 x + 9)}$$

Sequence: A063134
Score: 7.29572
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 9, a(1) = 32, a(2) = 56\}$$

Sequence: A063134
Score: 7.7424
Type of gen. func.: ogf

$$(33 f(x) + 1751) (f(x) x^2 - 2 f(x) x - x^2 + f(x) - 14 x - 9)$$

Sequence: A063135
Score: 5.71985
Type of gen. func.: ogf

$$(17 f(x) + 821)$$

$$(f(x) x^4 - f(x) x^3 - x^4 - 5 x^3 - f(x) x - 12 x^2 + f(x) - 11 x - 5)$$

Sequence: A063135
Score: 9.12805
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^5 + 15 x^4 + 27 x^3 + 29 x^2 + 20 x + 8)}{^{2} \qquad\qquad ^{4} \qquad ^{3} \qquad ^{2}}$$

$$(x - 1) (x + x + 1) (x + 5 x + 12 x + 11 x + 5)$$

Sequence: A063135
Score: 9.55722
Type of gen. func.: ogf

$$\frac{x^4 + 5 x^3 + 12 x^2 + 11 x + 5}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A063136
Score: 15.2930
Type of gen. func.: ogf

$$\frac{x^2 + 10 x + 7}{(x - 1)^2}$$

Sequence: A063136
Score: 28.9264
Type of gen. func.: lgdogf

$$- \frac{12 (x + 2)}{(x - 1) (x^2 + 10 x + 7)}$$

Sequence: A063136
Score: 7.94058
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 7, a(1) = 24, a(2) = 42\}$$

Sequence: A063136
Score: 8.51362
Type of gen. func.: ogf

$$(11 f(x) + 435) (f(x) x^2 - 2 f(x) x - x^2 + f(x) - 10 x - 7)$$

Sequence: A063139
Score: 10.4129
Type of gen. func.: lgdogf

$$\frac{28 x^9 - 48 x^8 + 6 x^7 + 14 x^6 + 3 x - 15}{(x - 1) (4 x^9 - 2 x^8 - 2 x^7 - 3 x + 9)}$$

Sequence: A063139
Score: 10.4888
Type of gen. func.: ogf

$$\frac{4 x^9 - 2 x^8 - 2 x^7 - 3 x + 9}{(x - 1)^2}$$

Sequence: A063140
Score: 14.0510
Type of gen. func.: ogf

$$\frac{x^2 + 18 x + 5}{(x - 1)^2}$$

Sequence: A063140
Score: 25.6300
Type of gen. func.: lgdogf

$$- \frac{4 (5 x + 7)}{(x - 1) (x^2 + 18 x + 5)}$$

Sequence: A063140
Score: 7.29572
Type of gen. func.: ogf

{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 5, a(1) = 28, a(2) = 52}

Sequence: A063140
Score: 7.9869
Type of gen. func.: ogf

$$(3 f(x) + 34) (f(x) x^2 - 2 f(x) x - x^2 + f(x) - 18 x - 5)$$

Sequence: A063141
Score: 6.81912
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^7 + 23 x^6 + 65 x^5 + 107 x^4 + 114 x^3 + 84 x^2 + 39 x + 9)}{(x - 1) (x + 1) (x^2 + x + 1) (x^5 + 6 x^4 + 19 x^3 + 25 x^2 + 18 x + 5)}$$

Sequence: A063141
Score: 8.24926
Type of gen. func.: ogf

$$\frac{x^5 + 6 x^4 + 19 x^3 + 25 x^2 + 18 x + 5}{(x^2 + x + 1) (x + 1) (x - 1)^2}$$

Sequence: A063142
Score: 10.5792
Type of gen. func.: ogf

$$\frac{x^3 + 10 x^2 + 19 x + 8}{(x + 1) (x - 1)^2}$$

Sequence: A063142
Score: 13.3737
Type of gen. func.: lgdogf

$$- \frac{(x + 3) (11 x^2 + 18 x + 9)}{(x - 1) (x + 1) (x^3 + 10 x^2 + 19 x + 8)}$$

Sequence: A063142
Score: 5.56386
Type of gen. func.: ogf

$\{a(n + 4) - a(n + 3) - a(n + 2) + a(n + 1), a(0) = 8, a(1) = 27, a(2) = 45,$
$a(3) = 65\}$

Sequence: A063142
Score: 5.73375
Type of gen. func.: ogf

$$-(1178 f(x) + 1511) (f(x) x^3 - f(x) x^2 - x^3 - f(x) x - 10 x^2 + f(x) - 19 x - 8)$$

Sequence: A063143
Score: 13.9096
Type of gen. func.: ogf

$$\frac{x^2 + 14 x + 5}{(x - 1)^2}$$

Sequence: A063143
Score: 24.5185
Type of gen. func.: lgdogf

$$- \frac{8 (3 + 2 x)}{(x - 1) (x^2 + 14 x + 5)}$$

Sequence: A063143
Score: 7.22232
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 5, a(1) = 24, a(2) = 44\}$$

Sequence: A063143
Score: 7.90654
Type of gen. func.: ogf

$$(5 f(x) + 47) (f(x) x^2 - 2 f(x) x - x^2 + f(x) - 14 x - 5)$$

Sequence: A063144
Score: 13.9096
Type of gen. func.: ogf

$$\frac{x^2 + 11 x + 8}{(x - 1)^2}$$

Sequence: A063144
Score: 24.5185
Type of gen. func.: lgdogf

$$- \frac{27 + 13 x}{(x - 1) (x^2 + 11 x + 8)}$$

Sequence: A063144
Score: 7.22232
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 8, a(1) = 27, a(2) = 47\}$$

Sequence: A063144
Score: 7.74352
Type of gen. func.: ogf

$$(40 f(x) + 409) (f(x) x^2 - 2 f(x) x - x^2 + f(x) - 11 x - 8)$$

Sequence: A063146
Score: 15.1502
Type of gen. func.: ogf

$$\frac{x^2 + 16 x + 11}{(x - 1)^2}$$

Sequence: A063146
Score: 25.5504
Type of gen. func.: lgdogf

$$-\frac{2\,(19 + 9\,x)}{(x - 1)\,(x^2 + 16\,x + 11)}$$

Sequence: A063146
Score: 7.93581
Type of gen. func.: ogf

$$\{-a(n + 3) + 2\,a(n + 2) - a(n + 1),\ a(0) = 11,\ a(1) = 38,\ a(2) = 66\}$$

Sequence: A063146
Score: 8.50266
Type of gen. func.: ogf

$$(14\,f(x) + 207)\,(f(x)\,x^2 - 2\,f(x)\,x - x^2 + f(x) - 16\,x - 11)$$

Sequence: A063147
Score: 5.62172
Type of gen. func.: ogf

$$(240\,f(x) + 19709)$$

$$(f(x)\,x^4 - f(x)\,x^3 - x^4 - 6\,x^3 - f(x)\,x - 14\,x^2 + f(x) - 13\,x - 6)$$

Sequence: A063147
Score: 9.40866
Type of gen. func.: lgdogf

$$-\frac{7\,x^5 + 35\,x^4 + 63\,x^3 + 69\,x^2 + 47\,x + 19}{(x - 1)\,(x^2 + x + 1)\,(x^4 + 6\,x^3 + 14\,x^2 + 13\,x + 6)}$$

Sequence: A063147

Score: 9.60673
Type of gen. func.: ogf

$$\frac{x^4 + 6 x^3 + 14 x^2 + 13 x + 6}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A063148
Score: 14.0510
Type of gen. func.: ogf

$$\frac{x^2 + 16 x + 7}{(x - 1)^2}$$

Sequence: A063148
Score: 25.6300
Type of gen. func.: lgdogf

$$- \frac{6 (5 + 3 x)}{(x - 1) (x^2 + 16 x + 7)}$$

Sequence: A063148
Score: 7.29572
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 7, a(1) = 30, a(2) = 54\}$$

Sequence: A063148
Score: 7.9869
Type of gen. func.: ogf

$$(4 f(x) + 47) (f(x) x^2 - 2 f(x) x - x^2 + f(x) - 16 x - 7)$$

Sequence: A063149
Score: 13.1713
Type of gen. func.: ogf

$$-\frac{5\,(x^2-2x-5)}{(x+1)\,(x-1)^2}$$

Sequence: A063149
Score: 18.0869
Type of gen. func.: lgdogf

$$-\frac{x^3-3x^2-15x-7}{(x-1)\,(x+1)\,(x^2-2x-5)}$$

Sequence: A063149
Score: 6.97303
Type of gen. func.: ogf

$$-(2 f(x)+375)\,(f(x)\,x^3-f(x)\,x^2-f(x)\,x+5x^2+f(x)-10x-25)$$

Sequence: A063149
Score: 7.21557
Type of gen. func.: ogf

$$\{a(n+3)-a(n+2)-a(n+1)+a(n),\ a(0)=25,\ a(1)=35,\ a(2)=55\}$$

Sequence: A063150
Score: 10.6340
Type of gen. func.: ogf

$$\frac{x^3+11x^2+21x+9}{(x+1)\,(x-1)^2}$$

Sequence: A063150
Score: 13.4445
Type of gen. func.: lgdogf

$$-\frac{2\,(x+3)\,(6x^2+10x+5)}{}$$

$$(x - 1) (x + 1) (x^3 + 11 x^2 + 21 x + 9)$$

Sequence: A063150
Score: 5.59269
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3) - a(n + 2) + a(n + 1), a(0) = 9, a(1) = 30, a(2) = 50, a(3) = 72\}$$

Sequence: A063150
Score: 5.76346
Type of gen. func.: ogf

$$-(4767 f(x) + 6397) (f(x) x^3 - f(x) x^2 - x^3 - f(x) x - 11 x^2 + f(x) - 21 x - 9)$$

Sequence: A063151
Score: 14.3933
Type of gen. func.: ogf

$$\frac{x^2 + 6 x + 7}{(x - 1)^2}$$

Sequence: A063151
Score: 26.6856
Type of gen. func.: lgdogf

$$- \frac{4 (2 x + 5)}{(x - 1) (x^2 + 6 x + 7)}$$

Sequence: A063151
Score: 7.33504
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 7, a(1) = 20, a(2) = 34\}$$

Sequence: A063151
Score: 8.11537
Type of gen. func.: ogf

$$(7 f(x) + 51) (f(x) x^{2} - 2 f(x) x - x^{2} + f(x) - 6 x - 7)$$

Sequence: A063152
Score: 15.1427
Type of gen. func.: ogf

$$\frac{x^{2} + 20 x + 11}{(x - 1)^{2}}$$

Sequence: A063152
Score: 25.5401
Type of gen. func.: lgdogf

$$- \frac{2 (21 + 11 x)}{(x - 1) (x^{2} + 20 x + 11)}$$

Sequence: A063152
Score: 7.93190
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 11, a(1) = 42, a(2) = 74\}$$

Sequence: A063152
Score: 8.49846
Type of gen. func.: ogf

$$(16 f(x) + 265) (f(x) x^{2} - 2 f(x) x - x^{2} + f(x) - 20 x - 11)$$

Sequence: A063153
Score: 10.9537
Type of gen. func.: ogf

3 2

$$\frac{x + 9 x + 19 x + 7}{(x + 1) (x - 1)^{2}}$$

Sequence: A063153
Score: 13.4126
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^{3} + 25 x^{2} + 29 x + 13)}{(x - 1) (x + 1) (x^{3} + 9 x^{2} + 19 x + 7)}$$

Sequence: A063153
Score: 5.67967
Type of gen. func.: ogf

{a(n + 4) - a(n + 3) - a(n + 2) + a(n + 1), a(0) = 7, a(1) = 26, a(2) = 42,

a(3) = 62}

Sequence: A063153
Score: 5.89813
Type of gen. func.: ogf

$$-(1378 + 1467 f(x)) (f(x) x^{3} - f(x) x^{2} - x^{3} - f(x) x - 9 x^{2} + f(x) - 19 x - 7)$$

Sequence: A063154
Score: 13.5140
Type of gen. func.: ogf

$$\frac{(x + 10) (x + 1)}{(x - 1)^{2}}$$

Sequence: A063154
Score: 25.0961
Type of gen. func.: lgdogf

$$- \frac{31 + 13 x}{(x + 10) (x - 1) (x + 1)}$$

Sequence: A063154
Score: 7.07876
Type of gen. func.: ogf

$$\{-a(n+3) + 2 a(n+2) - a(n+1), a(0) = 10, a(1) = 31, a(2) = 53\}$$

Sequence: A063154
Score: 7.58439
Type of gen. func.: ogf

$$(44 f(x) + 521) (f(x) x^2 - 2 f(x) x - x^2 + f(x) - 11 x - 10)$$

Sequence: A063155
Score: 13.9096
Type of gen. func.: ogf

$$\frac{(x + 9) (x + 1)}{(x - 1)^2}$$

Sequence: A063155
Score: 25.3639
Type of gen. func.: lgdogf

$$- \frac{4 (7 + 3 x)}{(x - 1) (x + 9) (x + 1)}$$

Sequence: A063155
Score: 7.22232
Type of gen. func.: ogf

$$\{-a(n+3) + 2 a(n+2) - a(n+1), a(0) = 9, a(1) = 28, a(2) = 48\}$$

Sequence: A063155
Score: 7.90654
Type of gen. func.: ogf

$$(5 f(x) + 53) (f(x) x^{2} - 2 f(x) x - x^{2} + f(x) - 10 x - 9)$$

Sequence: A063157
Score: 10.8978
Type of gen. func.: ogf

$$\frac{x^{3} + 7 x^{2} + 15 x + 7}{(x + 1) (x - 1)^{2}}$$

Sequence: A063157
Score: 13.3428
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^{3} + 20 x^{2} + 25 x + 11)}{(x - 1) (x + 1) (x^{3} + 7 x^{2} + 15 x + 7)}$$

Sequence: A063157
Score: 5.65070
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3) - a(n + 2) + a(n + 1), a(0) = 7, a(1) = 22, a(2) = 36, a(3) = 52\}$$

Sequence: A063157
Score: 5.82324
Type of gen. func.: ogf

$$-(6653 + 12165 f(x)) (f(x) x^{3} - f(x) x^{2} - x^{3} - f(x) x - 7 x^{2} + f(x) - 15 x - 7)$$

Sequence: A063158
Score: 14.9217
Type of gen. func.: ogf

$$\frac{x^{2} + 24 x + 11}{\qquad^{2}}$$

$$(x - 1)$$

Sequence: A063158
Score: 25.1628
Type of gen. func.: lgdogf

$$-\frac{2 (23 + 13 x)}{(x - 1) (x^2 + 24 x + 11)}$$

Sequence: A063158
Score: 7.81613
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 11, a(1) = 46, a(2) = 82\}$$

Sequence: A063158
Score: 8.37443
Type of gen. func.: ogf

$$(18 f(x) + 331) (f(x) x^2 - 2 f(x) x - x^2 + f(x) - 24 x - 11)$$

Sequence: A063159
Score: 5.64753
Type of gen. func.: ogf

$$(84 f(x) + 4559)$$

$$(f(x) x^4 - f(x) x^3 - x^4 - 9 x^3 - f(x) x - 20 x^2 + f(x) - 19 x - 7)$$

Sequence: A063159
Score: 9.08091
Type of gen. func.: lgdogf

$$-\frac{2 (5 x^5 + 25 x^4 + 45 x^3 + 47 x^2 + 33 x + 13)}{(x - 1) (x + 1) (x^2 + x + 1) (x^3 + 8 x^2 + 12 x + 7)}$$

Sequence: A063159
Score: 9.50786
Type of gen. func.: ogf

$$\frac{(x + 1) (x^3 + 8 x^2 + 12 x + 7)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A063160
Score: 13.8659
Type of gen. func.: ogf

$$\frac{x^2 + 13 x + 10}{(x - 1)^2}$$

Sequence: A063160
Score: 24.1013
Type of gen. func.: lgdogf

$$- \frac{3 (11 + 5 x)}{(x - 1) (x^2 + 13 x + 10)}$$

Sequence: A063160
Score: 7.26310
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 10, a(1) = 33, a(2) = 57\}$$

Sequence: A063160
Score: 7.7819
Type of gen. func.: ogf

$$(16 f(x) + 203) (f(x) x^2 - 2 f(x) x - x^2 + f(x) - 13 x - 10)$$

Sequence: A063161
Score: 5.62152
Type of gen. func.: ogf

$(32 f(x) + 11027)$

$$(f(x) x^4 - f(x) x^3 - x^4 - 11 x^3 - f(x) x - 22 x^2 + f(x) - 21 x - 9)$$

Sequence: A063161
Score: 9.17701
Type of gen. func.: lgdogf

$$-\frac{2 (6 x^5 + 28 x^4 + 50 x^3 + 56 x^2 + 37 x + 15)}{(x - 1) (x + 1) (x^2 + x + 1) (x^3 + 10 x^2 + 12 x + 9)}$$

Sequence: A063161
Score: 9.48631
Type of gen. func.: ogf

$$\frac{(x + 1) (x^3 + 10 x^2 + 12 x + 9)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A063162
Score: 15.1554
Type of gen. func.: ogf

$$\frac{(x + 11) (x + 1)}{(x - 1)^2}$$

Sequence: A063162
Score: 27.2607
Type of gen. func.: lgdogf

$$-\frac{2 (17 + 7 x)}{(x + 11) (x - 1) (x + 1)}$$

Sequence: A063162
Score: 7.93855
Type of gen. func.: ogf

$$\{-a(n+3)+2a(n+2)-a(n+1),\ a(0)=11,\ a(1)=34,\ a(2)=58\}$$

Sequence: A063162
Score: 8.50558
Type of gen. func.: ogf

$$(12 f(x)+157)(f(x) x^2 - 2 f(x) x - x^2 + f(x) - 12 x - 11)$$

Sequence: A063164
Score: 15.3511
Type of gen. func.: ogf

$$\frac{x^2+22x+9}{(x-1)^2}$$

Sequence: A063164
Score: 28.0479
Type of gen. func.: lgdogf

$$-\frac{8(5+3x)}{(x-1)(x^2+22x+9)}$$

Sequence: A063164
Score: 7.97075
Type of gen. func.: ogf

$$\{-a(n+3)+2a(n+2)-a(n+1),\ a(0)=9,\ a(1)=40,\ a(2)=72\}$$

Sequence: A063164
Score: 8.63498
Type of gen. func.: ogf

$$(7 f(x)+562)(f(x) x^2 - 2 f(x) x - x^2 + f(x) - 22 x - 9)$$

Sequence: A063165
Score: 6.76674
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^7 + 30 x^6 + 85 x^5 + 141 x^4 + 152 x^3 + 112 x^2 + 52 x + 12)}{(x - 1) (x + 1) (x^2 + x + 1) (x^5 + 8 x^4 + 25 x^3 + 33 x^2 + 24 x + 7)}$$

Sequence: A063165
Score: 8.33430
Type of gen. func.: ogf

$$\frac{x^5 + 8 x^4 + 25 x^3 + 33 x^2 + 24 x + 7}{(x^2 + x + 1) (x + 1) (x - 1)^2}$$

Sequence: A063166
Score: 15.3583
Type of gen. func.: ogf

$$\frac{x^2 + 20 x + 7}{(x - 1)^2}$$

Sequence: A063166
Score: 26.2484
Type of gen. func.: lgdogf

$$-\frac{2 (17 + 11 x)}{(x - 1) (x^2 + 20 x + 7)}$$

Sequence: A063166
Score: 7.97450
Type of gen. func.: ogf

{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 7, a(1) = 34, a(2) = 62}

Sequence: A063166
Score: 8.54999
Type of gen. func.: ogf

$$(14 f(x) + 191) (f(x) x^2 - 2 f(x) x - x^2 + f(x) - 20 x - 7)$$

Sequence: A063168
Score: 13.7547
Type of gen. func.: ogf

$$\frac{x^2 + 22 x + 7}{(x - 1)^2}$$

Sequence: A063168
Score: 24.2481
Type of gen. func.: lgdogf

$$- \frac{12 (3 + 2 x)}{(x - 1) (x^2 + 22 x + 7)}$$

Sequence: A063168
Score: 7.14188
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 7, a(1) = 36, a(2) = 66\}$$

Sequence: A063168
Score: 7.81849
Type of gen. func.: ogf

$$(5 f(x) + 73) (f(x) x^2 - 2 f(x) x - x^2 + f(x) - 22 x - 7)$$

Sequence: A063195
Score: 6.19826
Type of gen. func.: ogf

$$x (x^4 - x^3 + x + 1)$$

$$(x^2 + x + 1) (x + 1) (x - 1)^2$$

Sequence: A063195
Score: 6.46570
Type of gen. func.: lgdogf

$$- \frac{x^7 - x^6 + 6 x^4 + 10 x^3 + 4 x^2 + 3 x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^4 - x^3 + x + 1)}$$

Sequence: A063196
Score: 12.0838
Type of gen. func.: lgdogf

$$- \frac{x^3 - 3 x^2 - 3 x - 3}{(x - 1) (x + 1) (x^2 - 2 x - 1)}$$

Sequence: A063196
Score: 16.3837
Type of gen. func.: ogf

$$- \frac{x (x^2 - 2 x - 1)}{(x + 1) (x - 1)^2}$$

Sequence: A063196
Score: 8.12931
Type of gen. func.: ogf

{a(n + 4) - a(n + 3) - a(n + 2) + a(n + 1), a(0) = 0, a(1) = 1, a(2) = 3,

a(3) = 3}

Sequence: A063196
Score: 8.8745
Type of gen. func.: ogf

$$-(6 f(x) + 29) (f(x) x^3 - f(x) x^2 + x^3 - f(x) x - 2 x^2 + f(x) - x)$$

Sequence: A063197
Score: 6.69933
Type of gen. func.: lgdogf

$$-\frac{2 x^6 + 8 x^5 + 12 x^4 + 16 x^3 + 14 x^2 + 7 x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^3 + 2 x^2 + x + 1)}$$

Sequence: A063197
Score: 7.11277
Type of gen. func.: ogf

$$\frac{x (x^3 + 2 x^2 + x + 1)}{(x^2 + x + 1) (x + 1) (x - 1)^2}$$

Sequence: A063198
Score: 4.35729
Type of gen. func.: ogf

$$(f(x) + 2) (f(x) x^4 - f(x) x^3 - x^4 + 2 x^3 - f(x) x - 2 x^2 + f(x) - x)$$

Sequence: A063198
Score: 7.34174
Type of gen. func.: ogf

$$\frac{x (x^3 - 2 x^2 + 2 x + 1)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A063198
Score: 8.32080
Type of gen. func.: lgdogf

$$x^5 - 3 x^4 + 5 x^3 + 7 x^2 - x + 3$$

$$- \frac{}{(x - 1) (x^2 + x + 1) (x^3 - 2 x^2 + 2 x + 1)}$$

Sequence: A063199
Score: 5.65070
Type of gen. func.: lgdogf

$$\frac{2 (x^7 + 3 x^6 + 7 x^5 + 13 x^4 + 18 x^3 + 12 x^2 + 5 x + 1)}{(x - 1) (x + 1) (x^5 - 2 x^4 - 3 x^3 - 3 x^2 - 2 x - 1) (x^2 + x + 1)}$$

Sequence: A063199
Score: 6.46143
Type of gen. func.: ogf

$$- \frac{x^5 - 2 x^4 - 3 x^3 - 3 x^2 - 2 x - 1}{(x^2 + x + 1) (x + 1) (x - 1)^2}$$

Sequence: A063200
Score: 4.3935
Type of gen. func.: ogf

$$(26 f(x) + 121) (f(x) x^4 - f(x) x^3 - x^4 + x^3 - f(x) x - 2 x^2 + f(x) - x - 1)$$

Sequence: A063200
Score: 7.41760
Type of gen. func.: ogf

$$\frac{x^4 - x^3 + 2 x^2 + x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A063200
Score: 8.54626
Type of gen. func.: lgdogf

4 3 2

$$-\frac{2\,(2\,x + 4\,x + 2\,x + 3\,x + 1)}{(x - 1)\,(x^2 + x + 1)\,(x^4 - x^3 + 2\,x^2 + x + 1)}$$

Sequence: A063201
Score: 7.71227
Type of gen. func.: lgdogf

$$-\frac{3\,x^5 + 15\,x^4 + 19\,x^3 + 13\,x^2 + 7\,x + 3}{(x - 1)\,(x + 1)\,(x^2 + x + 1)\,(x^2 + 3\,x + 1)}$$

Sequence: A063201
Score: 7.99413
Type of gen. func.: ogf

$$\frac{x\,(x^2 + 3\,x + 1)}{(x^2 + x + 1)\,(x + 1)\,(x - 1)^2}$$

Sequence: A063202
Score: 6.28561
Type of gen. func.: lgdogf

$$-\frac{x^7 - x^6 + 6\,x^5 + 28\,x^4 + 40\,x^3 + 26\,x^2 + 15\,x + 5}{(x - 1)\,(x + 1)\,(x^2 + x + 1)\,(x^4 - x^3 + 2\,x^2 + 5\,x + 3)}$$

Sequence: A063202
Score: 6.71947
Type of gen. func.: ogf

$$\frac{x\,(x^4 - x^3 + 2\,x^2 + 5\,x + 3)}{(x^2 + x + 1)\,(x + 1)\,(x - 1)^2}$$

Sequence: A063203
Score: 6.54586

Type of gen. func.: lgdogf

$$\frac{3 x^{7} + 13 x^{6} + 34 x^{5} + 60 x^{4} + 74 x^{3} + 52 x^{2} + 23 x + 5}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{5} - 3 x^{4} - 6 x^{3} - 7 x^{2} - 5 x - 2)}$$

Sequence: A063203
Score: 7.60426
Type of gen. func.: ogf

$$- \frac{x^{5} - 3 x^{4} - 6 x^{3} - 7 x^{2} - 5 x - 2}{(x^{2} + x + 1) (x + 1) (x - 1)^{2}}$$

Sequence: A063204
Score: 7.50187
Type of gen. func.: lgdogf

$$- \frac{6 x^{6} + 24 x^{5} + 52 x^{4} + 64 x^{3} + 50 x^{2} + 25 x + 7}{(x - 1) (x + 1) (x^{2} + x + 1) (3 x^{3} + 6 x^{2} + 7 x + 3)}$$

Sequence: A063204
Score: 8.43370
Type of gen. func.: ogf

$$\frac{x (3 x^{3} + 6 x^{2} + 7 x + 3)}{(x^{2} + x + 1) (x + 1) (x - 1)^{2}}$$

Sequence: A063205
Score: 5.29447
Type of gen. func.: ogf

$-(8 f(x) + 271)$

$$(f(x) x^{4} - f(x) x^{3} + x^{4} - 4 x^{3} - f(x) x - 4 x^{2} + f(x) - 5 x - 2)$$

Sequence: A063205
Score: 9.14499
Type of gen. func.: ogf

$$-\frac{x^4 - 4 x^3 - 4 x^2 - 5 x - 2}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A063205
Score: 9.18021
Type of gen. func.: lgdogf

$$\frac{3 x^5 + 11 x^4 + 19 x^3 + 29 x^2 + 15 x + 7}{(x - 1) (x^2 + x + 1) (x^4 - 4 x^3 - 4 x^2 - 5 x - 2)}$$

Sequence: A063206
Score: 10.2620
Type of gen. func.: ogf

$$-\frac{x^3 - 4 x^2 - 5 x - 2}{(x + 1) (x - 1)^2}$$

Sequence: A063206
Score: 13.5770
Type of gen. func.: lgdogf

$$\frac{3 x^3 + 11 x^2 + 19 x + 7}{(x - 1) (x + 1) (x^3 - 4 x^2 - 5 x - 2)}$$

Sequence: A063206
Score: 5.28415
Type of gen. func.: ogf

{a(n + 4) - a(n + 3) - a(n + 2) + a(n + 1), a(0) = 2, a(1) = 7, a(2) = 13,

    a(3) = 17}

Sequence: A063206
Score: 5.95022
Type of gen. func.: ogf

$$(f(x) - 7) (f(x) x^3 - f(x) x^2 + x^3 - f(x) x - 4 x^2 + f(x) - 5 x - 2)$$

Sequence: A063207
Score: 7.17920
Type of gen. func.: lgdogf

$$- \frac{2 (6 x^6 + 18 x^5 + 30 x^4 + 29 x^3 + 23 x^2 + 11 x + 3)}{(x - 1) (x + 1) (x^2 + x + 1) (x^5 + 5 x^3 + 7 x^2 + 6 x + 1)}$$

Sequence: A063207
Score: 8.25870
Type of gen. func.: ogf

$$\frac{x^5 + 5 x^3 + 7 x^2 + 6 x + 1}{(x^2 + x + 1) (x + 1) (x - 1)^2}$$

Sequence: A063208
Score: 10.3981
Type of gen. func.: lgdogf

$$- \frac{x^7 + 3 x^6 + 7 x^5 + 13 x^4 + 18 x^3 + 12 x^2 + 5 x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A063208
Score: 11.1234
Type of gen. func.: ogf

$$\frac{x^4 + x^3 + x^2 + x + 1}{(x^2 + x + 1) (x + 1) (x - 1)^2}$$

Sequence: A063208
Score: 24.2730
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^4 + x^2 + x + 1]$$

Sequence: A063209
Score: 5.50036
Type of gen. func.: ogf

$$-(4 f(x) + 257)$$

$$(f(x) x^4 - f(x) x^3 + x^4 - 5 x^3 - f(x) x - 6 x^2 + f(x) - 7 x - 3)$$

Sequence: A063209
Score: 9.41973
Type of gen. func.: lgdogf

$$\frac{2 (2 x^5 + 8 x^4 + 14 x^3 + 20 x^2 + 11 x + 5)}{(x - 1) (x^2 + x + 1) (x^4 - 5 x^3 - 6 x^2 - 7 x - 3)}$$

Sequence: A063209
Score: 9.50062
Type of gen. func.: ogf

$$- \frac{x^4 - 5 x^3 - 6 x^2 - 7 x - 3}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A063210
Score: 12.3314
Type of gen. func.: lgdogf

$$\frac{2 (x^3 + x^2 + 5 x + 1)}{(x - 1) (x + 1) (x^3 - 3 x^2 - x - 1)}$$

Sequence: A063210
Score: 4.41584
Type of gen. func.: ogf

{a(n + 4) - a(n + 3) - a(n + 2) + a(n + 1), a(0) = 1, a(1) = 2, a(2) = 6,

a(3) = 6}

Sequence: A063210
Score: 6.00919
Type of gen. func.: ogf

$$-f(x)\,x^3 + f(x)\,x^2 - x^3 + f(x)\,x + 3\,x^2 - f(x) + x + 1$$

Sequence: A063210
Score: 8.44770
Type of gen. func.: ogf

$$-\frac{x^3 - 3\,x^2 - x - 1}{(x + 1)\,(x - 1)^2}$$

Sequence: A063211
Score: 10.6588
Type of gen. func.: ogf

$$-\frac{x^3 - 5\,x^2 - 7\,x - 3}{(x + 1)\,(x - 1)^2}$$

Sequence: A063211
Score: 13.8425
Type of gen. func.: lgdogf

$$\frac{2\,(2\,x^3 + 8\,x^2 + 13\,x + 5)}{(x - 1)\,(x + 1)\,(x^3 - 5\,x^2 - 7\,x - 3)}$$

Sequence: A063211
Score: 5.44785
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 3) + a(n + 2) - a(n + 1), a(0) = 3, a(1) = 10, a(2) = 18, a(3) = 24\}$$

Sequence: A063211
Score: 6.12884
Type of gen. func.: ogf

$$(5 f(x) - 21) (f(x) x^3 - f(x) x^2 + x^3 - f(x) x - 5 x^2 + f(x) - 7 x - 3)$$

Sequence: A063212
Score: 6.28561
Type of gen. func.: lgdogf

$$-\frac{x^7 + 7 x^6 + 14 x^5 + 28 x^4 + 34 x^3 + 24 x^2 + 9 x + 3}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 + 3 x + 1) (x^2 + 1)}$$

Sequence: A063212
Score: 7.09959
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^2 + 3 x + 1)}{(x^2 + x + 1) (x + 1) (x - 1)^2}$$

Sequence: A063213
Score: 4.03056
Type of gen. func.: ogf

$$\{(2 n + 7) a(n + 1) + 2 a(n + 2) + 2 a(n + 3) + (-2 n - 5) a(n + 4), a(0) = 1, a(1) = 5, a(2) = 9, a(3) = 11\}$$

Sequence: A063213
Score: 5.36326
Type of gen. func.: ogf

$$-(8 f(x) + 69) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 4 x^2 + f(x) - 4 x - 1)$$

Sequence: A063213
Score: 9.63830
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 3 x + 1)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A063213
Score: 9.69247
Type of gen. func.: lgdogf

$$-\frac{x^5 + 9 x^4 + 17 x^3 + 15 x^2 + 13 x + 5}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 + 3 x + 1)}$$

Sequence: A063214
Score: 7.30817
Type of gen. func.: lgdogf

$$-\frac{2 (6 x^6 + 21 x^5 + 33 x^4 + 31 x^3 + 25 x^2 + 13 x + 3)}{(x - 1) (x + 1) (x^2 + x + 1) (x^5 + 5 x^3 + 9 x^2 + 6 x + 1)}$$

Sequence: A063214
Score: 8.40359
Type of gen. func.: ogf

$$\frac{x^5 + 5 x^3 + 9 x^2 + 6 x + 1}{(x^2 + x + 1) (x + 1) (x - 1)^2}$$

Sequence: A063215
Score: 6.70115
Type of gen. func.: lgdogf

$$\frac{5 x^7 + 27 x^6 + 74 x^5 + 128 x^4 + 150 x^3 + 108 x^2 + 49 x + 11}{(x - 1) (x + 1) (x^2 + x + 1) (x^5 - 5 x^4 - 12 x^3 - 15 x^2 - 11 x - 4)}$$

Sequence: A063215
Score: 8.03665
Type of gen. func.: ogf

$$- \frac{x^5 - 5 x^4 - 12 x^3 - 15 x^2 - 11 x - 4}{(x^2 + x + 1) (x + 1) (x - 1)^2}$$

Sequence: A063216
Score: 6.98027
Type of gen. func.: lgdogf

$$- \frac{6 x^7 + 32 x^6 + 77 x^5 + 121 x^4 + 126 x^3 + 86 x^2 + 36 x + 8}{(x - 1) (x + 1) (x^2 + x + 1) (6 x^4 + 13 x^3 + 13 x^2 + 8 x + 1)}$$

Sequence: A063216
Score: 8.76670
Type of gen. func.: ogf

$$\frac{6 x^4 + 13 x^3 + 13 x^2 + 8 x + 1}{(x^2 + x + 1) (x + 1) (x - 1)^2}$$

Sequence: A063217
Score: 6.58656
Type of gen. func.: lgdogf

$$- \frac{2 x^7 + 12 x^6 + 29 x^5 + 53 x^4 + 63 x^3 + 45 x^2 + 19 x + 5}{(x - 1) (x + 1) (x^2 + x + 1) (2 x^4 + 5 x^3 + 5 x^2 + 5 x + 2)}$$

Sequence: A063217
Score: 8.16211
Type of gen. func.: ogf

$$\frac{2 x^4 + 5 x^3 + 5 x^2 + 5 x + 2}{(x^2 + x + 1) (x + 1) (x - 1)^2}$$

Sequence: A063218
Score: 10.5506
Type of gen. func.: lgdogf

$$- \frac{2 (x^3 + 5 x^2 + 2 x + 4) (x + 1)^2}{(x - 1) (x^4 + x^3 + 6 x^2 + 5 x + 3) (x^2 + x + 1)}$$

Sequence: A063218
Score: 5.39385
Type of gen. func.: ogf

$$-(f(x) + 13) (f(x) x^4 - f(x) x^3 - x^4 - x^3 - f(x) x - 6 x^2 + f(x) - 5 x - 3)$$

Sequence: A063218
Score: 9.24660
Type of gen. func.: ogf

$$\frac{x^4 + x^3 + 6 x^2 + 5 x + 3}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A063219
Score: 5.76189
Type of gen. func.: ogf

$$(8 f(x) + 869) (f(x) x^4 - f(x) x^3 + x^4 - 6 x^3 - f(x) x - 8 x^2 + f(x) - 9 x - 4)$$

Sequence: A063219
Score: 9.57415
Type of gen. func.: lgdogf

$$\frac{5 x^5 + 21 x^4 + 37 x^3 + 51 x^2 + 29 x + 13}{(x - 1) (x^2 + x + 1) (x^4 - 6 x^3 - 8 x^2 - 9 x - 4)}$$

Sequence: A063219
Score: 9.65304
Type of gen. func.: ogf

$$- \frac{x^4 - 6 x^3 - 8 x^2 - 9 x - 4}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A063220
Score: 5.54203
Type of gen. func.: ogf

$$-(4 f(x) + 65) (f(x) x^4 - f(x) x^3 - x^4 - x^3 - f(x) x - 8 x^2 + f(x) - 7 x - 3)$$

Sequence: A063220
Score: 9.50062
Type of gen. func.: ogf

$$\frac{x^4 + x^3 + 8 x^2 + 7 x + 3}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A063220
Score: 9.80684
Type of gen. func.: lgdogf

$$- \frac{2 (x^5 + 9 x^4 + 17 x^3 + 15 x^2 + 13 x + 5)}{(x - 1) (x^2 + x + 1) (x^4 + x^3 + 8 x^2 + 7 x + 3)}$$

Sequence: A063221
Score: 10.4888
Type of gen. func.: ogf

$$\frac{x^3 + x^2 + 7 x + 3}{(x + 1) (x - 1)^2}$$

Sequence: A063221
Score: 14.7516
Type of gen. func.: lgdogf

$$- \frac{2 (x^3 + 9 x^2 + 9 x + 5)}{(x - 1) (x + 1) (x^3 + x^2 + 7 x + 3)}$$

Sequence: A063221
Score: 5.36092
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3) - a(n + 2) + a(n + 1), a(0) = 3, a(1) = 10, a(2) = 14, a(3) = 22\}$$

Sequence: A063221
Score: 6.03104
Type of gen. func.: ogf

$$(4 f(x) + 15) (f(x) x^3 - f(x) x^2 - x^3 - f(x) x - x^2 + f(x) - 7 x - 3)$$

Sequence: A063222
Score: 10.0677
Type of gen. func.: lgdogf

$$- \frac{x^5 + 13 x^4 + 25 x^3 + 19 x^2 + 19 x + 7}{(x - 1) (x^2 + x + 1) (x^4 + 6 x^2 + 5 x + 2)}$$

Sequence: A063222
Score: 10.1486
Type of gen. func.: ogf

$$\frac{x^4 + 6 x^2 + 5 x + 2}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A063222
Score: 5.64719
Type of gen. func.: ogf

$$-(f(x) + 12) (f(x) x^4 - f(x) x^3 - x^4 - f(x) x - 6 x^2 + f(x) - 5 x - 2)$$

Sequence: A063223
Score: 6.93830
Type of gen. func.: lgdogf

$$\frac{2 (3 x^7 + 17 x^6 + 47 x^5 + 81 x^4 + 94 x^3 + 68 x^2 + 31 x + 7)}{(x - 1) (x + 1) (x^5 - 6 x^4 - 15 x^3 - 19 x^2 - 14 x - 5) (x^2 + x + 1)}$$

Sequence: A063223
Score: 8.16422
Type of gen. func.: ogf

$$-\frac{x^5 - 6 x^4 - 15 x^3 - 19 x^2 - 14 x - 5}{(x^2 + x + 1) (x + 1) (x - 1)^2}$$

Sequence: A063224
Score: 12.9188
Type of gen. func.: lgdogf

$$-\frac{3 x^3 + 5 x^2 + 2 x + 2}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A063224
Score: 22.5726
Type of gen. func.: ogf_with_Euler_transform]

$$x^2 - x + 2$$

Sequence: A063224
Score: 6.67345
Type of gen. func.: ogf

$$-f(x) x^4 + f(x) x^3 + f(x) x + 2 x^2 - f(x) + 2 x$$

Sequence: A063224
Score: 9.95163
Type of gen. func.: ogf

$$\frac{2 x (x + 1)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A063225
Score: 10.2620
Type of gen. func.: ogf

$$\frac{x^3 + x^2 + 5 x + 3}{(x + 1) (x - 1)^2}$$

Sequence: A063225
Score: 14.4256
Type of gen. func.: lgdogf

$$- \frac{2 (x^3 + 7 x^2 + 8 x + 4)}{(x - 1) (x + 1) (x^3 + x^2 + 5 x + 3)}$$

Sequence: A063225
Score: 5.28415
Type of gen. func.: ogf

{a(n + 4) - a(n + 3) - a(n + 2) + a(n + 1), a(0) = 3, a(1) = 8, a(2) = 12,

a(3) = 18}

Sequence: A063225
Score: 5.75672
Type of gen. func.: ogf

$$-(f(x) - 3) (f(x) x^3 - f(x) x^2 - x^3 - f(x) x - x^2 + f(x) - 5 x - 3)$$

Sequence: A063226
Score: 11.6078
Type of gen. func.: ogf

$$\frac{3 x^2 + 4 x + 3}{(x + 1) (x - 1)^2}$$

Sequence: A063226
Score: 14.4256
Type of gen. func.: lgdogf

$$-\frac{3 x^3 + 11 x^2 + 19 x + 7}{(x - 1) (x + 1) (3 x^2 + 4 x + 3)}$$

Sequence: A063226
Score: 6.26616
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 3, a(1) = 7, a(2) = 13}

Sequence: A063226
Score: 6.37906
Type of gen. func.: ogf

$$(f(x) - 8) (f(x) x^3 - f(x) x^2 - f(x) x - 3 x^2 + f(x) - 4 x - 3)$$

Sequence: A063227
Score: 6.62648
Type of gen. func.: lgdogf

$$\frac{4 (x^7 + 3 x^6 + 7 x^5 + 13 x^4 + 18 x^3 + 12 x^2 + 5 x + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^5 - 4 x^4 - 5 x^3 - 5 x^2 - 4 x - 3)}$$

Sequence: A063227
Score: 7.47239
Type of gen. func.: ogf

$$- \frac{x^5 - 4 x^4 - 5 x^3 - 5 x^2 - 4 x - 3}{(x^2 + x + 1) (x + 1) (x - 1)^2}$$

Sequence: A063228
Score: 10.7860
Type of gen. func.: ogf

$$- \frac{x^3 - 7 x^2 - 11 x - 5}{(x + 1) (x - 1)^2}$$

Sequence: A063228
Score: 13.4431
Type of gen. func.: lgdogf

$$\frac{2 (3 x^3 + 13 x^2 + 20 x + 8)}{(x - 1) (x + 1) (x^3 - 7 x^2 - 11 x - 5)}$$

Sequence: A063228
Score: 5.59274
Type of gen. func.: ogf

$\{-a(n + 4) + a(n + 3) + a(n + 2) - a(n + 1), a(0) = 5, a(1) = 16, a(2) = 28, a(3) = 38\}$

Sequence: A063228
Score: 6.23984
Type of gen. func.: ogf

$$(7 f(x) - 19) (f(x) x^3 - f(x) x^2 + x^3 - f(x) x - 7 x^2 + f(x) - 11 x - 5)$$

Sequence: A063229
Score: 6.89261
Type of gen. func.: lgdogf

$$-\frac{2 (x^7 + 13 x^6 + 38 x^5 + 64 x^4 + 67 x^3 + 51 x^2 + 24 x + 6)}{(x - 1) (x + 1) (x^2 + x + 1) (x^5 + 2 x^4 + 11 x^3 + 15 x^2 + 12 x + 3)}$$

Sequence: A063229
Score: 8.03665
Type of gen. func.: ogf

$$\frac{x^5 + 2 x^4 + 11 x^3 + 15 x^2 + 12 x + 3}{(x^2 + x + 1) (x + 1) (x - 1)^2}$$

Sequence: A063230
Score: 6.72156
Type of gen. func.: lgdogf

$$\frac{7 x^7 + 41 x^6 + 114 x^5 + 196 x^4 + 226 x^3 + 164 x^2 + 75 x + 17}{(x - 1) (x + 1) (x^5 - 7 x^4 - 18 x^3 - 23 x^2 - 17 x - 6) (x^2 + x + 1)}$$

Sequence: A063230
Score: 8.20674
Type of gen. func.: ogf

$$-\frac{x^5 - 7x^4 - 18x^3 - 23x^2 - 17x - 6}{(x^2 + x + 1)(x + 1)(x - 1)^2}$$

Sequence: A063231
Score: 6.84604
Type of gen. func.: lgdogf

$$-\frac{3x^7 + 23x^6 + 62x^5 + 108x^4 + 121x^3 + 89x^2 + 40x + 10}{(x - 1)(x + 1)(x^2 + x + 1)(3x^4 + 10x^3 + 12x^2 + 10x + 3)}$$

Sequence: A063231
Score: 8.66233
Type of gen. func.: ogf

$$\frac{3x^4 + 10x^3 + 12x^2 + 10x + 3}{(x^2 + x + 1)(x + 1)(x - 1)^2}$$

Sequence: A063232
Score: 11.8530
Type of gen. func.: ogf

$$\frac{x^3 + 3x^2 + 11x + 5}{(x + 1)(x - 1)^2}$$

Sequence: A063232
Score: 15.9559
Type of gen. func.: lgdogf

$$-\frac{4(x^3 + 7x^2 + 8x + 4)}{(x - 1)(x + 1)(x^3 + 3x^2 + 11x + 5)}$$

Sequence: A063232
Score: 6.14599
Type of gen. func.: ogf

$\{a(n + 4) - a(n + 3) - a(n + 2) + a(n + 1), a(0) = 5, a(1) = 16, a(2) = 24, a(3) = 36\}$

Sequence: A063232
Score: 6.6912
Type of gen. func.: ogf

$$-(f(x) - 5) (f(x) x^3 - f(x) x^2 - x^3 - f(x) x - 3 x^2 + f(x) - 11 x - 5)$$

Sequence: A063233
Score: 10.8419
Type of gen. func.: ogf

$$-\frac{x^3 - 8 x^2 - 13 x - 6}{(x + 1) (x - 1)^2}$$

Sequence: A063233
Score: 14.0242
Type of gen. func.: lgdogf

$$\frac{7 x^3 + 31 x^2 + 47 x + 19}{(x - 1) (x + 1) (x^3 - 8 x^2 - 13 x - 6)}$$

Sequence: A063233
Score: 5.62172
Type of gen. func.: ogf

$\{-a(n + 4) + a(n + 3) + a(n + 2) - a(n + 1), a(0) = 6, a(1) = 19, a(2) = 33, a(3) = 45\}$

Sequence: A063233
Score: 6.27217
Type of gen. func.: ogf

$$(5 f(x) - 12) (f(x) x^3 - f(x) x^2 + x^3 - f(x) x - 8 x^2 + f(x) - 13 x - 6)$$

Sequence: A063234
Score: 5.54203
Type of gen. func.: ogf

$$-(4 f(x) + 65) (f(x) x^4 - f(x) x^3 - x^4 - x^3 - f(x) x - 8 x^2 + f(x) - 7 x - 3)$$

Sequence: A063234
Score: 9.50062
Type of gen. func.: ogf

$$\frac{x^4 + x^3 + 8 x^2 + 7 x + 3}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A063234
Score: 9.80684
Type of gen. func.: lgdogf

$$- \frac{2 (x^5 + 9 x^4 + 17 x^3 + 15 x^2 + 13 x + 5)}{(x - 1) (x^2 + x + 1) (x^4 + x^3 + 8 x^2 + 7 x + 3)}$$

Sequence: A063235
Score: 6.85501
Type of gen. func.: lgdogf

$$\frac{2 (4 x^7 + 24 x^6 + 67 x^5 + 115 x^4 + 132 x^3 + 96 x^2 + 44 x + 10)}{(x - 1) (x + 1) (x^2 + x + 1) (x^5 - 8 x^4 - 21 x^3 - 27 x^2 - 20 x - 7)}$$

Sequence: A063235
Score: 8.29178
Type of gen. func.: ogf

$$-\frac{x^5 - 8x^4 - 21x^3 - 27x^2 - 20x - 7}{(x^2 + x + 1)(x + 1)(x - 1)^2}$$

Sequence: A063236
Score: 10.4137
Type of gen. func.: lgdogf

$$-\frac{4(x^3 + 5x^2 + 2x + 4)(x + 1)^2}{(x - 1)(x^2 + x + 1)(x^4 + 3x^3 + 12x^2 + 11x + 5)}$$

Sequence: A063236
Score: 5.80785
Type of gen. func.: ogf

$$(f(x) + 27)(f(x)x^4 - f(x)x^3 - x^4 - 3x^3 - f(x)x - 12x^2 + f(x) - 11x - 5)$$

Sequence: A063236
Score: 9.55722
Type of gen. func.: ogf

$$\frac{x^4 + 3x^3 + 12x^2 + 11x + 5}{(x^2 + x + 1)(x - 1)^2}$$

Sequence: A063237
Score: 10.6588
Type of gen. func.: ogf

$$\frac{x^3 + 2x^2 + 7x + 4}{(x + 1)(x - 1)^2}$$

Sequence: A063237
Score: 13.5814
Type of gen. func.: lgdogf

$$- \frac{3 x^3 + 19 x^2 + 23 x + 11}{(x - 1) (x + 1) (x^3 + 2 x^2 + 7 x + 4)}$$

Sequence: A063237
Score: 5.44785
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3) - a(n + 2) + a(n + 1), a(0) = 4, a(1) = 11, a(2) = 17, a(3) = 25\}$$

Sequence: A063237
Score: 6.18034
Type of gen. func.: ogf

$$(5 f(x) - 7) (f(x) x^3 - f(x) x^2 - x^3 - f(x) x - 2 x^2 + f(x) - 7 x - 4)$$

Sequence: A063238
Score: 5.74766
Type of gen. func.: ogf

$$(4 f(x) + 155) (f(x) x^4 - f(x) x^3 - x^4 - 3 x^3 - f(x) x - 10 x^2 + f(x) - 9 x - 5)$$

Sequence: A063238
Score: 9.26010
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^5 + 12 x^4 + 22 x^3 + 24 x^2 + 17 x + 7)}{(x - 1) (x^2 + x + 1) (x^4 + 3 x^3 + 10 x^2 + 9 x + 5)}$$

Sequence: A063238
Score: 9.57944
Type of gen. func.: ogf

4 3 2

$$\frac{x + 3 x + 10 x + 9 x + 5}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A063239
Score: 14.4256
Type of gen. func.: lgdogf

$$- \frac{3 x^3 + 11 x^2 + 19 x + 7}{(x - 1) (x + 1) (3 x^2 + 4 x + 3)}$$

Sequence: A063240
Score: 5.77912
Type of gen. func.: ogf

$(4 f(x) + 1423)$

$$(f(x) x^4 - f(x) x^3 + x^4 - 9 x^3 - f(x) x - 14 x^2 + f(x) - 15 x - 7)$$

Sequence: A063240
Score: 9.33995
Type of gen. func.: lgdogf

$$\frac{2 (4 x^5 + 18 x^4 + 32 x^3 + 42 x^2 + 25 x + 11)}{(x - 1) (x^2 + x + 1) (x^4 - 9 x^3 - 14 x^2 - 15 x - 7)}$$

Sequence: A063240
Score: 9.65625
Type of gen. func.: ogf

$$- \frac{x^4 - 9 x^3 - 14 x^2 - 15 x - 7}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A063241
Score: 4.03056
Type of gen. func.: ogf

{(2 n + 7) a(n + 1) + 2 a(n + 2) + 2 a(n + 3) + (-2 n - 5) a(n + 4), a(0) = 3,

a(1) = 5, a(2) = 7, a(3) = 13}

Sequence: A063241
Score: 5.36326
Type of gen. func.: ogf

$$-(f(x) + 14) (f(x) x^4 - f(x) x^3 - 3 x^3 - f(x) x - 2 x^2 + f(x) - 2 x - 3)$$

Sequence: A063241
Score: 9.54993
Type of gen. func.: lgdogf

$$-\frac{3 x^5 + 7 x^4 + 11 x^3 + 25 x^2 + 9 x + 5}{(x - 1) (x + 1) (3 x^2 - x + 3) (x^2 + x + 1)}$$

Sequence: A063241
Score: 9.63830
Type of gen. func.: ogf

$$\frac{(x + 1) (3 x^2 - x + 3)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A063242
Score: 7.10894
Type of gen. func.: lgdogf

$$-\frac{x^7 + 7 x^6 + 17 x^5 + 31 x^4 + 36 x^3 + 26 x^2 + 11 x + 3}{(x - 1) (x + 1) (x^2 + x + 1) (x^4 + 3 x^3 + 3 x^2 + 3 x + 1)}$$

Sequence: A063242
Score: 8.35530
Type of gen. func.: ogf

$$\frac{2\,(x^4 + 3\,x^3 + 3\,x^2 + 3\,x + 1)}{(x^2 + x + 1)\,(x + 1)\,(x - 1)^2}$$

Sequence: A063243
Score: 10.7301
Type of gen. func.: ogf

$$\frac{x^3 + 3\,x^2 + 11\,x + 5}{(x + 1)\,(x - 1)^2}$$

Sequence: A063243
Score: 14.4208
Type of gen. func.: lgdogf

$$-\frac{4\,(x^3 + 7\,x^2 + 8\,x + 4)}{(x - 1)\,(x + 1)\,(x^3 + 3\,x^2 + 11\,x + 5)}$$

Sequence: A063243
Score: 5.56376
Type of gen. func.: ogf

{a(n + 4) - a(n + 3) - a(n + 2) + a(n + 1), a(0) = 5, a(1) = 16, a(2) = 24,

a(3) = 36}

Sequence: A063243
Score: 6.05733
Type of gen. func.: ogf

$$-(f(x) - 5)\,(f(x)\,x^3 - f(x)\,x^2 - x^3 - f(x)\,x - 3\,x^2 + f(x) - 11\,x - 5)$$

Sequence: A063244
Score: 6.89261
Type of gen. func.: lgdogf

$$-\frac{2\,(x^7+13\,x^6+41\,x^5+67\,x^4+69\,x^3+53\,x^2+26\,x+6)}{(x-1)\,(x+1)\,(x^2+x+1)\,(x^5+2\,x^4+11\,x^3+17\,x^2+12\,x+3)}$$

Sequence: A063244
Score: 8.03665
Type of gen. func.: ogf

$$\frac{x^5+2\,x^4+11\,x^3+17\,x^2+12\,x+3}{(x^2+x+1)\,(x+1)\,(x-1)^2}$$

Sequence: A063245
Score: 6.92127
Type of gen. func.: lgdogf

$$-\frac{3\,x^7+23\,x^6+71\,x^5+117\,x^4+127\,x^3+95\,x^2+46\,x+10}{(x-1)\,(x+1)\,(3\,x^4+10\,x^3+15\,x^2+10\,x+3)\,(x^2+x+1)}$$

Sequence: A063245
Score: 8.75548
Type of gen. func.: ogf

$$\frac{3\,x^4+10\,x^3+15\,x^2+10\,x+3}{(x^2+x+1)\,(x+1)\,(x-1)^2}$$

Sequence: A063246
Score: 7.42485
Type of gen. func.: lgdogf

$$-\frac{2\,x^7+14\,x^6+43\,x^5+71\,x^4+78\,x^3+58\,x^2+28\,x+6}{(x-1)\,(x+1)\,(x^2+x+1)\,(x^2+2\,x+2)\,(2\,x^2+2\,x+1)}$$

Sequence: A063246

Score: 8.84862
Type of gen. func.: ogf

$$\frac{2 (x^2 + 2 x + 2) (2 x^2 + 2 x + 1)}{(x^2 + x + 1) (x + 1) (x - 1)^2}$$

Sequence: A063247
Score: 6.86684
Type of gen. func.: lgdogf

$$- \frac{x^7 + 11 x^6 + 33 x^5 + 55 x^4 + 58 x^3 + 44 x^2 + 21 x + 5}{(x - 1) (x + 1) (x^2 + x + 1) (x^4 + 5 x^3 + 7 x^2 + 5 x + 1)}$$

Sequence: A063247
Score: 8.16211
Type of gen. func.: ogf

$$\frac{x^4 + 5 x^3 + 7 x^2 + 5 x + 1}{(x^2 + x + 1) (x + 1) (x - 1)^2}$$

Sequence: A063249
Score: 11.8733
Type of gen. func.: lgdogf

$$- \frac{6 (5 x^3 + 65 x^2 + 79 x + 11)}{(x - 1) (15 x^3 + 115 x^2 + 61 x + 1)}$$

Sequence: A063249
Score: 3.41873
Type of gen. func.: ogf

$$\{(-334 n^2 - 1439 n - 1542) a(n + 1) + (396 n^2 + 550 n + 1012) a(n + 2)$$
$$+ (-62 n^2 - 199 n - 150) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 66\}$$

Sequence: A063249
Score: 6.98141
Type of gen. func.: ogf

$$-\frac{x\,(15\,x^{3}+115\,x^{2}+61\,x+1)}{(x-1)^{5}}$$

Sequence: A063258
Score: 16.4822
Type of gen. func.: lgdogf

$$-\frac{2\,x^{3}-9\,x^{2}+16\,x-14}{(x-1)\,(x-2)\,(x^{2}-2\,x+2)}$$

Sequence: A063258
Score: 5.15961
Type of gen. func.: ogf

{(n + 7) a(n + 1) + (-2 n - 11) a(n + 2) + (n + 4) a(n + 3), a(0) = 4,

a(1) = 14, a(2) = 34}

Sequence: A063258
Score: 9.07379
Type of gen. func.: ogf

$$\frac{(x-2)\,(x^{2}-2\,x+2)}{(x-1)^{5}}$$

Sequence: A063262
Score: 4.59257
Type of gen. func.: ogf

$$\frac{x^{5}-4\,x^{4}+5\,x^{3}-5\,x+4}{(x-1)^{8}}$$

Sequence: A063262
Score: 8.28954
Type of gen. func.: lgdogf

$$-\frac{3x^5-11x^4+9x^3+15x^2-35x+27}{(x-1)(x^5-4x^4+5x^3-5x+4)}$$

Sequence: A063263
Score: 4.31542
Type of gen. func.: ogf

$$-\frac{2x^5-9x^4+15x^3-10x^2+3}{(x-1)^9}$$

Sequence: A063263
Score: 8.03643
Type of gen. func.: lgdogf

$$-\frac{8x^5-35x^4+54x^3-25x^2-20x+27}{(x-1)(2x^5-9x^4+15x^3-10x^2+3)}$$

Sequence: A063264
Score: 3.68842
Type of gen. func.: ogf

$$\frac{3x^5-14x^4+25x^3-20x^2+5x+2}{(x-1)^{10}}$$

Sequence: A063264
Score: 7.25855
Type of gen. func.: lgdogf

5 4 3 2

$$-\frac{15 x - 69 x + 119 x - 85 x + 5 x + 25}{(x - 1) (3 x^5 - 14 x^4 + 25 x^3 - 20 x^2 + 5 x + 2)}$$

Sequence: A063267
Score: 3.44131
Type of gen. func.: ogf

$$\{(n^2 + 14 n + 40) a(n + 1) + (-2 n^2 - 21 n - 45) a(n + 2)$$
$$+ (n^2 + 7 n + 12) a(n + 3), a(0) = 6, a(1) = 33, a(2) = 116\}$$

Sequence: A063267
Score: 4.70916
Type of gen. func.: ogf

$$-\frac{(x - 2) (x^2 - x + 1) (x^2 - 3 x + 3)}{(x - 1)^8}$$

Sequence: A063267
Score: 8.51179
Type of gen. func.: lgdogf

$$-\frac{3 x^5 - 19 x^4 + 51 x^3 - 75 x^2 + 65 x - 33}{(x - 1) (x - 2) (x^2 - x + 1) (x^2 - 3 x + 3)}$$

Sequence: A063270
Score: 12.6940
Type of gen. func.: ogf

$$-\frac{2 (41 x - 1)}{(81 x - 1) (x - 1)}$$

Sequence: A063270
Score: 13.6018
Type of gen. func.: lgdogf

$$-\frac{3321 x^2 - 162 x + 41}{(x - 1) (81 x - 1) (41 x - 1)}$$

Sequence: A063270
Score: 6.21746
Type of gen. func.: ogf

$$-(1600 f(x) - 1519) (81 f(x) x^2 - 82 f(x) x + f(x) + 82 x - 2)$$

Sequence: A063270
Score: 7.16836
Type of gen. func.: ogf

$$\{a(n + 2) - 82 a(n + 1) + 81 a(n), a(0) = 2, a(1) = 82\}$$

Sequence: A063276
Score: 6.41229
Type of gen. func.: lgdogf

$$x^4 (x^{10} - 2 x^9 + 3 x^8 + 2 x^7 - 10 x^6 + 22 x^5 - 20 x^4 + 14 x^3 + 5 x^2 - 4 x + 5) / ((x - 1) (x + 1) (x^2 + 1) (x^2 - x + 1) (x^9 - x^8 - x^7 - 2 x^4 + x^3 - x + 1))$$

Sequence: A063276
Score: 6.86842
Type of gen. func.: ogf

$$-\frac{x^9 - x^8 - x^7 - 2 x^4 + x^3 - x + 1}{(x^2 + 1) (x^2 - x + 1) (x - 1)^2 (x + 1)}$$

Sequence: A063277
Score: 9.45021
Type of gen. func.: ogf

$$\frac{2 x^{8} + 3 x^{6} + x^{5} + 2 x^{4} - 1}{(x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1) (x - 1)^{2} (x + 1)^{2}}$$

Sequence: A063278
Score: 6.24134
Type of gen. func.: ogf

$$- \frac{x^{11} - x^{10} - 3 x^{9} - 4 x^{8} - 4 x^{7} - 5 x^{6} - 3 x^{5} - 3 x^{4} - x^{3} + 1}{(x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1) (x - 1)^{2} (x + 1)^{2}}$$

Sequence: A063279
Score: 7.11224
Type of gen. func.: ogf

$$\frac{x^{9} - 2 x^{8} + 2 x^{6} - 2 x^{5} + 3 x^{4} + x - 1}{(x^{2} + 1) (x^{2} - x + 1) (x - 1)^{2} (x + 1)^{2}}$$

Sequence: A063280
Score: 5.73550
Type of gen. func.: ogf

$$- \frac{x^{11} - 2 x^{10} - 5 x^{9} - 7 x^{8} - 8 x^{7} - 9 x^{6} - 7 x^{5} - 6 x^{4} - 3 x^{3} - x^{2} + 1}{(x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1) (x - 1)^{2} (x + 1)^{2}}$$

Sequence: A063281
Score: 8.03729
Type of gen. func.: lgdogf

$$- \frac{x (2 x^{7} + 6 x^{6} + 13 x^{5} + 14 x^{4} + 16 x^{3} + 10 x^{2} + 9 x + 2)}{(x - 1) (x + 1) (x^{2} + 1) (2 x^{5} + 3 x^{4} + 3 x^{3} + 2 x^{2} - 1)}$$

Sequence: A063281
Score: 9.36511
Type of gen. func.: ogf

$$\frac{2 x^{5} + 3 x^{4} + 3 x^{3} + 2 x^{2} - 1}{(x^{2} + 1) (x - 1)^{2} (x + 1)^{2}}$$

Sequence: A063282
Score: 6.12564
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^{9} + 6 x^{8} + 10 x^{7} + 11 x^{6} + 9 x^{5} + 9 x^{4} + 5 x^{3} + 2 x^{2} - 1}{(x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1) (x - 1)^{2} (x + 1)^{2}}$$

Sequence: A063283
Score: 5.93603
Type of gen. func.: ogf

$$\frac{x^{11} - x^{10} - x^{9} + 2 x^{8} + 2 x^{7} + 5 x^{6} + 5 x^{5} + 5 x^{4} + 3 x^{3} + 2 x^{2} - 1}{(x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1) (x - 1)^{2} (x + 1)^{2}}$$

Sequence: A063284
Score: 5.26437
Type of gen. func.: ogf

$$- (x^{11} - 4 x^{10} - 10 x^{9} - 15 x^{8} - 19 x^{7} - 21 x^{6} - 19 x^{5} - 16 x^{4} - 10 x^{3} - 5 x^{2} - x + 1) / ((x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1) (x - 1)^{2} (x + 1)^{2})$$

Sequence: A063285
Score: 5.86487
Type of gen. func.: ogf

$$- \frac{x^{8} - 5 x^{7} + x^{6} - 5 x^{5} - 2 x^{4} - x^{3} - 3 x^{2} - x + 1}{(x^{2} + 1) (x^{2} - x + 1) (x - 1)^{2} (x + 1)^{2}}$$

Sequence: A063286
Score: 5.29372
Type of gen. func.: ogf

$$-\left(x^{11}-5x^{10}-13x^{9}-20x^{8}-26x^{7}-29x^{6}-27x^{5}-23x^{4}-15x^{3}-8x^{2}-2x+1\right) \Big/ \left((x^{2}+x+1)(x^{2}-x+1)(x^{2}+1)(x-1)^{2}(x+1)^{2}\right)$$

Sequence: A063287
Score: 6.06563
Type of gen. func.: ogf

$$\frac{x^{11}-x^{10}+4x^{8}+5x^{7}+9x^{6}+9x^{5}+9x^{4}+6x^{3}+4x^{2}+x-1}{(x^{2}+x+1)(x^{2}-x+1)(x^{2}+1)(x-1)^{2}(x+1)^{2}}$$

Sequence: A063288
Score: 5.76140
Type of gen. func.: ogf

$$\frac{x^{9}+7x^{7}+5x^{6}+9x^{5}+9x^{4}+5x^{3}+7x^{2}+2x-1}{(x^{2}+1)(x^{2}-x+1)(x-1)^{2}(x+1)^{2}}$$

Sequence: A063289
Score: 11.1576
Type of gen. func.: ogf

$$\frac{x^{3}+6x^{2}+3x-1}{(x+1)(x-1)^{2}}$$

Sequence: A063289
Score: 14.5751
Type of gen. func.: lgdogf

$$-\frac{7 x^3 + 15 x^2 + 12 x + 2}{(x - 1) (x + 1) (x^3 + 6 x^2 + 3 x - 1)}$$

Sequence: A063289
Score: 5.78852
Type of gen. func.: ogf

{-a(n + 4) + a(n + 3) + a(n + 2) - a(n + 1), a(0) = -1, a(1) = 2, a(2) = 7,

a(3) = 11}

Sequence: A063289
Score: 6.41562
Type of gen. func.: ogf

$$(-2 + 19 f(x)) (f(x) x^3 - f(x) x^2 - x^3 - f(x) x - 6 x^2 + f(x) - 3 x + 1)$$

Sequence: A063290
Score: 5.20702
Type of gen. func.: ogf

$$- (x^{11} - 7 x^{10} - 20 x^9 - 32 x^8 - 43 x^7 - 49 x^6 - 47 x^5 - 41 x^4 - 28 x^3 - 16 x^2 - 5 x + 1) / ((x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A063291
Score: 6.07948
Type of gen. func.: ogf

$$-\frac{x^{10} - 2 x^9 - 6 x^8 - 7 x^7 - 9 x^6 - 11 x^5 - 9 x^4 - 7 x^3 - 6 x^2 - 2 x + 1}{(x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A063292
Score: 5.10149
Type of gen. func.: ogf

$$-(x^{11} - 8 x^{10} - 24 x^{9} - 39 x^{8} - 53 x^{7} - 61 x^{6} - 59 x^{5} - 52 x^{4} - 36 x^{3} - 21 x^{2} - 7 x + 1) \Big/ ((x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1) (x - 1)^{2} (x + 1)^{2})$$

Sequence: A063293
Score: 5.59840
Type of gen. func.: ogf

$$(x^{10} + 11 x^{9} + 14 x^{8} + 25 x^{7} + 25 x^{6} + 26 x^{5} + 23 x^{4} + 17 x^{3} + 10 x^{2} + 3 x - 1) \Big/ ((x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1) (x - 1)^{2} (x + 1)^{2})$$

Sequence: A063294
Score: 5.21569
Type of gen. func.: ogf

$$\frac{x^{9} + 2 x^{8} + 13 x^{7} + 11 x^{6} + 17 x^{5} + 19 x^{4} + 11 x^{3} + 13 x^{2} + 6 x - 1}{(x^{2} + 1) (x^{2} - x + 1) (x - 1)^{2} (x + 1)^{2}}$$

Sequence: A063295
Score: 5.21269
Type of gen. func.: ogf

$$(x^{11} - x^{10} + 3 x^{9} + 10 x^{8} + 14 x^{7} + 21 x^{6} + 21 x^{5} + 21 x^{4} + 15 x^{3} + 10 x^{2} + 4 x - 1) \Big/ ((x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1) (x - 1)^{2} (x + 1)^{2})$$

Sequence: A063296
Score: 5.05937
Type of gen. func.: ogf

$$-(x^{11} - 10 x^{10} - 33 x^{9} - 55 x^{8} - 76 x^{7} - 89 x^{6} - 87 x^{5} - 78 x^{4} - 55 x^{3} - 33 x^{2} - 12 x + 1) \Big/ ((x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1) (x - 1)^{2} (x + 1)^{2})$$

Sequence: A063297
Score: 6.47186
Type of gen. func.: lgdogf

$$-\frac{9x^8+32x^7+54x^6+88x^5+94x^4+80x^3+46x^2+24x+5}{(x-1)(x+1)(x^2+1)(x^6+9x^5+15x^4+12x^3+13x^2+5x-1)}$$

Sequence: A063297
Score: 7.62589
Type of gen. func.: ogf

$$\frac{x^6+9x^5+15x^4+12x^3+13x^2+5x-1}{(x^2+1)(x-1)^2(x+1)^2}$$

Sequence: A063298
Score: 5.33673
Type of gen. func.: ogf

$$(9x^{10}+33x^9+56x^8+80x^7+93x^6+93x^5+83x^4+59x^3+36x^2+12x-1)\Big/\left((x^2+x+1)(x^2-x+1)(x^2+1)(x-1)^2(x+1)^2\right)$$

Sequence: A063299
Score: 5.21456
Type of gen. func.: ogf

$$(x^{11}-x^{10}+5x^9+14x^8+20x^7+29x^6+29x^5+29x^4+21x^3+14x^2+6x-1)\Big/\left((x^2+x+1)(x^2-x+1)(x^2+1)(x-1)^2(x+1)^2\right)$$

Sequence: A063300
Score: 5.53272
Type of gen. func.: ogf

$-(1562 f(x) + 9103)$

$$(f(x)\, x^4 - f(x)\, x^3 - 7\, x^4 - 22\, x^3 - f(x)\, x - 22\, x^2 + f(x) - 14\, x + 1)$$

Sequence: A063300
Score: 9.08148
Type of gen. func.: lgdogf

$$- \frac{29\, x^5 + 73\, x^4 + 114\, x^3 + 98\, x^2 + 57\, x + 13}{(x - 1)\, (x^2 + x + 1)\, (7\, x^4 + 22\, x^3 + 22\, x^2 + 14\, x - 1)}$$

Sequence: A063300
Score: 9.68225
Type of gen. func.: ogf

$$\frac{7\, x^4 + 22\, x^3 + 22\, x^2 + 14\, x - 1}{(x^2 + x + 1)\, (x - 1)^2}$$

Sequence: A063301
Score: 5.43180
Type of gen. func.: ogf

$$(3\, x^{10} + 20\, x^9 + 30\, x^8 + 48\, x^7 + 53\, x^6 + 54\, x^5 + 49\, x^4 + 36\, x^3 + 22\, x^2 + 8\, x - 1) \Big/ ((x^2 + x + 1)\, (x^2 - x + 1)\, (x^2 + 1)\, (x - 1)^2\, (x + 1)^2)$$

Sequence: A063302
Score: 4.77068
Type of gen. func.: ogf

$$- (x^{11} - 13\, x^{10} - 49\, x^9 - 84\, x^8 - 118\, x^7 - 141\, x^6 - 139\, x^5 - 127\, x^4 - 91\, x^3 - 56\, x^2 - 22\, x + 1) \Big/ ((x^2 + x + 1)\, (x^2 - x + 1)\, (x^2 + 1)\, (x - 1)^2\, (x + 1)^2)$$

Sequence: A063303
Score: 5.74803
Type of gen. func.: ogf

$$-\frac{x^9 - 9x^7 - 3x^6 - 5x^5 - 13x^4 - 3x^3 - 5x^2 - 8x + 1}{(x^2 + 1)(x^2 - x + 1)(x - 1)^2 (x + 1)^2}$$

Sequence: A063304
Score: 4.86270
Type of gen. func.: ogf

$$-(x^{11} - 14x^{10} - 55x^9 - 95x^8 - 134x^7 - 161x^6 - 159x^5 - 146x^4 - 105x^3 - 65x^2 - 26x + 1) \Big/ \left((x^2 + x + 1)(x^2 - x + 1)(x^2 + 1)(x - 1)^2 (x + 1)^2\right)$$

Sequence: A063305
Score: 14.1992
Type of gen. func.: ogf

$$\frac{4x^2 + 15x - 1}{(x - 1)^2}$$

Sequence: A063305
Score: 24.3555
Type of gen. func.: lgdogf

$$-\frac{13 + 23x}{(x - 1)(4x^2 + 15x - 1)}$$

Sequence: A063305
Score: 7.37265
Type of gen. func.: ogf

$\{-a(n + 3) + 2a(n + 2) - a(n + 1), a(0) = -1, a(1) = 13, a(2) = 31\}$

Sequence: A063305
Score: 7.90471
Type of gen. func.: ogf

$$(36 f(x) + 205) (f(x) x^2 - 2 f(x) x - 4 x^2 + f(x) - 15 x + 1)$$

Sequence: A063306
Score: 4.99276
Type of gen. func.: ogf

$$\frac{x^9 + 6 x^8 + 31 x^7 + 29 x^6 + 39 x^5 + 51 x^4 + 29 x^3 + 31 x^2 + 20 x - 1}{(x^2 + 1) (x^2 - x + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A063307
Score: 5.06725
Type of gen. func.: ogf

$$(x^{11} - x^{10} + 10 x^9 + 24 x^8 + 35 x^7 + 49 x^6 + 49 x^5 + 49 x^4 + 36 x^3 + 24 x^2 + 11 x - 1) / ((x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A063308
Score: 4.73634
Type of gen. func.: ogf

$$(x^{11} + 13 x^{10} + 56 x^9 + 98 x^8 + 143 x^7 + 169 x^6 + 171 x^5 + 155 x^4 + 112 x^3 + 70 x^2 + 25 x - 1) / ((x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A063309
Score: 5.44889
Type of gen. func.: ogf

$$(4x^{10}+21x^{9}+38x^{8}+53x^{7}+69x^{6}+65x^{5}+64x^{4}+45x^{3}+28x^{2}+13x-1) \Big/ ((x^{2}+x+1)(x^{2}-x+1)(x^{2}+1)(x-1)^{2}(x+1)^{2})$$

Sequence: A063310
Score: 4.72561
Type of gen. func.: ogf

$$-(x^{11}-17x^{10}-75x^{9}-132x^{8}-188x^{7}-229x^{6}-227x^{5}-211x^{4}-153x^{3}-96x^{2}-40x+1) \Big/ ((x^{2}+x+1)(x^{2}-x+1)(x^{2}+1)(x-1)^{2}(x+1)^{2})$$

Sequence: A063311
Score: 5.11976
Type of gen. func.: ogf

$$(x^{11}-x^{10}+13x^{9}+30x^{8}+44x^{7}+61x^{6}+61x^{5}+61x^{4}+45x^{3}+30x^{2}+14x-1) \Big/ ((x^{2}+x+1)(x^{2}-x+1)(x^{2}+1)(x-1)^{2}(x+1)^{2})$$

Sequence: A063312
Score: 4.96036
Type of gen. func.: ogf

$$\frac{x^{9}+8x^{8}+43x^{7}+41x^{6}+53x^{5}+73x^{4}+41x^{3}+43x^{2}+30x-1}{(x^{2}+1)(x^{2}-x+1)(x-1)^{2}(x+1)}$$

Sequence: A063313
Score: 5.80680
Type of gen. func.: lgdogf

$$-(31x^{8}+112x^{7}+206x^{6}+312x^{5}+346x^{4}+288x^{3}+182x^{2}+88x+19)$$

$/ \qquad {}^{2}$

```
      /  ((x - 1) (x + 1) (x  + 1)
     /

        6        5        4        3        2
    (5 x  + 31 x  + 51 x  + 48 x  + 45 x  + 19 x - 1))
```

Sequence: A063313
Score: 7.40082
Type of gen. func.: ogf

$$\frac{5 x^{6} + 31 x^{5} + 51 x^{4} + 48 x^{3} + 45 x^{2} + 19 x - 1}{(x^{2} + 1) (x - 1)^{2} (x + 1)^{2}}$$

Sequence: A063314
Score: 4.64233
Type of gen. func.: ogf

$$- (x^{11} - 19 x^{10} - 90 x^{9} - 160 x^{8} - 229 x^{7} - 281 x^{6} - 279 x^{5} - 261 x^{4} - 190 x^{3} - 120 x^{2} - 51 x + 1) / ((x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1) (x - 1)^{2} (x + 1)^{2})$$

Sequence: A063315
Score: 5.47116
Type of gen. func.: ogf

$$- \frac{x^{9} - 15 x^{7} - 9 x^{6} - 11 x^{5} - 25 x^{4} - 9 x^{3} - 11 x^{2} - 14 x + 1}{(x^{2} + 1) (x^{2} - x + 1) (x - 1)^{2} (x + 1)^{2}}$$

Sequence: A063316
Score: 4.66613
Type of gen. func.: ogf

$$- (x^{11} - 20 x^{10} - 98 x^{9} - 175 x^{8} - 251 x^{7} - 309 x^{6} - 307 x^{5} - 288 x^{4} - 210 x^{3} - 133 x^{2} - 57 x + 1) / ((x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1) (x - 1)^{2}$$

$$(x + 1)^2)$$

Sequence: A063317
Score: 5.10198
Type of gen. func.: ogf

$$(7 x^{10} + 45 x^9 + 76 x^8 + 115 x^7 + 137 x^6 + 138 x^5 + 129 x^4 + 95 x^3 + 60 x^2 + 25 x - 1) / ((x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A063318
Score: 4.96376
Type of gen. func.: ogf

$$(13 x^{10} + 65 x^9 + 120 x^8 + 169 x^7 + 209 x^6 + 210 x^5 + 195 x^4 + 143 x^3 + 92 x^2 + 39 x - 1) / ((x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A063319
Score: 4.96241
Type of gen. func.: ogf

$$(x^{11} - x^{10} + 20 x^9 + 44 x^8 + 65 x^7 + 89 x^6 + 89 x^5 + 89 x^4 + 66 x^3 + 44 x^2 + 21 x - 1) / ((x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A063320
Score: 4.68392
Type of gen. func.: ogf

$$- (x^{11} - 22 x^{10} - 115 x^9 - 207 x^8 - 298 x^7 - 369 x^6 - 367 x^5 - 346 x^4 - 253 x^3 - 161 x^2 - 70 x + 1) / ((x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A063321
Score: 10.5744
Type of gen. func.: ogf

$$\frac{4 x^3 + 27 x^2 + 24 x - 1}{(x + 1) (x - 1)^2}$$

Sequence: A063321
Score: 12.7453
Type of gen. func.: lgdogf

$$- \frac{31 x^3 + 87 x^2 + 75 x + 23}{(x - 1) (x + 1) (4 x^3 + 27 x^2 + 24 x - 1)}$$

Sequence: A063321
Score: 5.56133
Type of gen. func.: ogf

$\{a(n + 4) - a(n + 3) - a(n + 2) + a(n + 1), a(0) = -1, a(1) = 23, a(2) = 49,$

$a(3) = 77\}$

Sequence: A063321
Score: 5.77522
Type of gen. func.: ogf

$-(542 f(x) + 3657)$

$(f(x) x^3 - f(x) x^2 - 4 x^3 - f(x) x - 27 x^2 + f(x) - 24 x + 1)$

Sequence: A063322
Score: 4.99192
Type of gen. func.: ogf

$$(23 x^{10} + 118 x^9 + 212 x^8 + 307 x^7 + 377 x^6 + 377 x^5 + 353 x^4 + 258 x^3 + 164 x^2 + 69 x - 1) \Big/ ((x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A063323
Score: 5.33673
Type of gen. func.: ogf

$$-(x^{10} - 24 x^9 - 46 x^8 - 69 x^7 - 93 x^6 - 91 x^5 - 93 x^4 - 69 x^3 - 46 x^2 - 24 x + 1) \Big/ ((x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A063324
Score: 4.85897
Type of gen. func.: ogf

$$\frac{x^9 + 12 x^8 + 73 x^7 + 71 x^6 + 87 x^5 + 129 x^4 + 71 x^3 + 73 x^2 + 56 x - 1}{(x^2 + 1) (x^2 - x + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A063325
Score: 5.13199
Type of gen. func.: ogf

$$(9 x^{10} + 61 x^9 + 106 x^8 + 159 x^7 + 193 x^6 + 194 x^5 + 183 x^4 + 135 x^3 + 86 x^2 + 37 x - 1) \Big/ ((x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A063326
Score: 4.60671
Type of gen. func.: ogf

$$-(x^{11} - 25 x^{10} - 143 x^9 - 260 x^8 - 376 x^7 - 469 x^6 - 467 x^5 - 443 x^4 - 325 x^3 - 208 x^2 - 92 x + 1) \Big/ ((x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A063327
Score: 5.45975
Type of gen. func.: ogf

$$-(343 f(x) + 2649)$$

$$(f(x) x^4 - f(x) x^3 + x^4 - 23 x^3 - f(x) x - 20 x^2 + f(x) - 23 x + 1)$$

Sequence: A063327
Score: 9.22505
Type of gen. func.: lgdogf

$$\frac{2 (x + 1) (11 x^4 + 20 x^3 + 34 x^2 + 20 x + 11)}{(x - 1) (x^2 + x + 1) (x^4 - 23 x^3 - 20 x^2 - 23 x + 1)}$$

Sequence: A063327
Score: 9.48631
Type of gen. func.: ogf

$$- \frac{x^4 - 23 x^3 - 20 x^2 - 23 x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A063328
Score: 4.58320
Type of gen. func.: ogf

$$(x^{11} + 25 x^{10} + 134 x^9 + 242 x^8 + 353 x^7 + 433 x^6 + 435 x^5 + 407 x^4 + 298 x^3 + 190 x^2 + 79 x - 1) / ((x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A063329
Score: 5.44234
Type of gen. func.: lgdogf

$$- 2 (31 x^8 + 114 x^7 + 215 x^6 + 322 x^5 + 362 x^4 + 302 x^3 + 195 x^2 + 94 x + 21)$$

$$/ \left((x - 1) (x + 1) (x^2 + 1)\right.$$

$$\left.(9 x^6 + 62 x^5 + 105 x^4 + 102 x^3 + 95 x^2 + 42 x - 1)\right))$$

Sequence: A063329
Score: 7.01609
Type of gen. func.: ogf

$$\frac{9 x^6 + 62 x^5 + 105 x^4 + 102 x^3 + 95 x^2 + 42 x - 1}{(x^2 + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A063330
Score: 4.90105
Type of gen. func.: ogf

$$\frac{x^9 + 14 x^8 + 91 x^7 + 89 x^6 + 107 x^5 + 163 x^4 + 89 x^3 + 91 x^2 + 72 x - 1}{(x^2 + 1) (x^2 - x + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A063331
Score: 4.82012
Type of gen. func.: ogf

$$(x^{11} - x^{10} + 33 x^9 + 70 x^8 + 104 x^7 + 141 x^6 + 141 x^5 + 141 x^4 + 105 x^3 + 70 x^2$$

$$+ 34 x - 1) / ((x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A063332
Score: 4.62445
Type of gen. func.: ogf

$$- (x^{11} - 28 x^{10} - 174 x^9 - 319 x^8 - 463 x^7 - 581 x^6 - 579 x^5 - 552 x^4 - 406 x^3$$

$$- 261 x^2 - 117 x + 1) / ((x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2$$

$$(x + 1)^2)$$

Sequence: A063333
Score: 5.38371
Type of gen. func.: ogf

$$\frac{7 x^8 + 35 x^7 + 44 x^6 + 37 x^5 + 78 x^4 + 37 x^3 + 36 x^2 + 35 x - 1}{(x^2 + 1) (x^2 - x + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A063334
Score: 4.64780
Type of gen. func.: ogf

$$- (x^{11} - 29 x^{10} - 185 x^9 - 340 x^8 - 494 x^7 - 621 x^6 - 619 x^5 - 591 x^4 - 435 x^3 - 280 x^2 - 126 x + 1) / ((x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A063335
Score: 4.89428
Type of gen. func.: ogf

$$(x^{11} - x^{10} + 38 x^9 + 80 x^8 + 119 x^7 + 161 x^6 + 161 x^5 + 161 x^4 + 120 x^3 + 80 x^2 + 39 x - 1) / ((x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A063336
Score: 4.86004
Type of gen. func.: ogf

$$(22 x^{10} + 131 x^9 + 243 x^8 + 349 x^7 + 437 x^6 + 438 x^5 + 414 x^4 + 305 x^3 + 197 x^2 + 87 x - 1) / ((x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A063337
Score: 13.2517
Type of gen. func.: ogf

$$\frac{10 x^2 + 63 x - 1}{(x - 1)^2}$$

Sequence: A063337
Score: 22.4260
Type of gen. func.: lgdogf

$$- \frac{61 + 83 x}{(x - 1) (10 x^2 + 63 x - 1)}$$

Sequence: A063337
Score: 6.94139
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = -1, a(1) = 61, a(2) = 133\}$$

Sequence: A063337
Score: 7.28846
Type of gen. func.: ogf

$$(144 f(x) + 3865) (f(x) x^2 - 2 f(x) x - 10 x^2 + f(x) - 63 x + 1)$$

Sequence: A063338
Score: 4.64780
Type of gen. func.: ogf

$$(x^{11} + 31 x^{10} + 184 x^9 + 336 x^8 + 491 x^7 + 609 x^6 + 611 x^5 + 577 x^4 + 424 x^3 + 272 x^2 + 117 x - 1) / ((x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A063339
Score: 5.27806
Type of gen. func.: ogf

$$-\frac{x^9 - 33 x^7 - 27 x^6 - 29 x^5 - 61 x^4 - 27 x^3 - 29 x^2 - 32 x + 1}{(x^2 + 1) (x^2 - x + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A063340
Score: 4.52410
Type of gen. func.: ogf

$$- (x^{11} - 32 x^{10} - 220 x^9 - 407 x^8 - 593 x^7 - 749 x^6 - 747 x^5 - 716 x^4 - 528 x^3 - 341 x^2 - 155 x + 1) / ((x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A063341
Score: 4.94175
Type of gen. func.: ogf

$$(13 x^{10} + 100 x^9 + 180 x^8 + 268 x^7 + 333 x^6 + 334 x^5 + 319 x^4 + 236 x^3 + 152 x^2 + 68 x - 1) / ((x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A063342
Score: 4.71338
Type of gen. func.: ogf

$$(x^9 + 18 x^8 + 133 x^7 + 131 x^6 + 153 x^5 + 243 x^4 + 131 x^3 + 133 x^2 + 110 x - 1) / ((x^2 + 1) (x^2 - x + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A063343
Score: 4.79167
Type of gen. func.: ogf

$$-(x^{11} + x^{10} - 46 x^9 - 84 x^8 - 127 x^7 - 169 x^6 - 165 x^5 - 169 x^4 - 126 x^3 - 84 x^2 - 45 x + 1) / ((x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A063344
Score: 4.54730
Type of gen. func.: ogf

$$-(x^{11} - 34 x^{10} - 245 x^9 - 455 x^8 - 664 x^7 - 841 x^6 - 839 x^5 - 806 x^4 - 595 x^3 - 385 x^2 - 176 x + 1) / ((x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A063345
Score: 5.58481
Type of gen. func.: lgdogf

$$-(73 x^8 + 274 x^7 + 533 x^6 + 786 x^5 + 898 x^4 + 750 x^3 + 497 x^2 + 238 x + 55) / ((x - 1) (x + 1) (8 x^6 + 73 x^5 + 129 x^4 + 129 x^3 + 120 x^2 + 55 x - 1) (x^2 + 1))$$

Sequence: A063345
Score: 7.12837
Type of gen. func.: ogf

$$\frac{8 x^6 + 73 x^5 + 129 x^4 + 129 x^3 + 120 x^2 + 55 x - 1}{(x^2 + 1) (x - 1)^2 (x + 1)}$$

Sequence: A063346
Score: 4.54730
Type of gen. func.: ogf

$$- (x^{11} - 35 x^{10} - 258 x^{9} - 480 x^{8} - 701 x^{7} - 889 x^{6} - 887 x^{5} - 853 x^{4} - 630 x^{3} - 408 x^{2} - 187 x + 1) / ((x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1) (x - 1)^{2} (x + 1)^{2})$$

Sequence: A063347
Score: 4.74972
Type of gen. func.: ogf

$$(x^{11} - x^{10} + 55 x^{9} + 114 x^{8} + 170 x^{7} + 229 x^{6} + 229 x^{5} + 229 x^{4} + 171 x^{3} + 114 x^{2} + 56 x - 1) / ((x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1) (x - 1)^{2} (x + 1)^{2})$$

Sequence: A063348
Score: 4.96816
Type of gen. func.: ogf

$$\frac{20 x^{8} + 139 x^{7} + 139 x^{6} + 156 x^{5} + 259 x^{4} + 137 x^{3} + 137 x^{2} + 120 x - 1}{(x^{2} + 1) (x^{2} - x + 1) (x - 1)^{2} (x + 1)^{2}}$$

Sequence: A063349
Score: 4.86004
Type of gen. func.: ogf

$$(15 x^{10} + 123 x^{9} + 224 x^{8} + 333 x^{7} + 417 x^{6} + 418 x^{5} + 401 x^{4} + 297 x^{3} + 192 x^{2} + 87 x - 1) / ((x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1) (x - 1)^{2} (x + 1)^{2})$$

Sequence: A063350
Score: 4.54730
Type of gen. func.: ogf

11 10 9 8 7 6 5 4 3

$$(x + 43 x + 270 x + 496 x + 725 x + 905 x + 907 x + 861 x + 634 x + 408 x^{2} + 179 x - 1) / ((x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1) (x - 1)^{2} (x + 1)^{2})$$

Sequence: A063351
Score: 5.24381
Type of gen. func.: ogf

$$- \frac{x^{9} - 45 x^{7} - 39 x^{6} - 41 x^{5} - 85 x^{4} - 39 x^{3} - 41 x^{2} - 44 x + 1}{(x^{2} + 1) (x^{2} - x + 1) (x - 1)^{2} (x + 1)^{2}}$$

Sequence: A063352
Score: 4.50863
Type of gen. func.: ogf

$$- (x^{11} - 38 x^{10} - 299 x^{9} - 559 x^{8} - 818 x^{7} - 1041 x^{6} - 1039 x^{5} - 1002 x^{4} - 741 x^{3} - 481 x^{2} - 222 x + 1) / ((x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1) (x - 1)^{2} (x + 1)^{2})$$

Sequence: A063353
Score: 10.3305
Type of gen. func.: ogf

$$\frac{13 x^{3} + 99 x^{2} + 87 x - 1}{(x + 1) (x - 1)^{2}}$$

Sequence: A063353
Score: 11.6283
Type of gen. func.: lgdogf

$$- \frac{2 (56 x^{3} + 156 x^{2} + 141 x + 43)}{{}^{3} \qquad {}^{2}}$$

$$(x - 1) (x + 1) (13 x + 99 x + 87 x - 1)$$

Sequence: A063353
Score: 5.42917
Type of gen. func.: ogf

$$-(296285 f(x) + 6051901)$$

$$(f(x) x^3 - f(x) x^2 - 13 x^3 - f(x) x - 99 x^2 + f(x) - 87 x + 1)$$

Sequence: A063353
Score: 5.42917
Type of gen. func.: ogf

$\{a(n + 4) - a(n + 3) - a(n + 2) + a(n + 1), a(0) = -1, a(1) = 86, a(2) = 184,$

$a(3) = 284\}$

Sequence: A063354
Score: 12.8452
Type of gen. func.: ogf

$$\frac{27 x^2 + 166 x - 1}{(x - 1)^2}$$

Sequence: A063354
Score: 20.2361
Type of gen. func.: lgdogf

$$- \frac{4 (41 + 55 x)}{(x - 1) (27 x^2 + 166 x - 1)}$$

Sequence: A063354
Score: 6.78615
Type of gen. func.: ogf

$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = -1, a(1) = 164, a(2) = 356\}$

Sequence: A063354
Score: 7.19332
Type of gen. func.: ogf

$$(24 f(x) + 1705) (f(x) x^2 - 2 f(x) x - 27 x^2 + f(x) - 166 x + 1)$$

Sequence: A063355
Score: 4.67209
Type of gen. func.: ogf

$$(x^{11} - x^{10} + 68 x^9 + 140 x^8 + 209 x^7 + 281 x^6 + 281 x^5 + 281 x^4 + 210 x^3 + 140 x^2 + 69 x - 1) / ((x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A063356
Score: 4.40984
Type of gen. func.: ogf

$$- (x^{11} - 40 x^{10} - 328 x^9 - 615 x^8 - 901 x^7 - 1149 x^6 - 1147 x^5 - 1108 x^4 - 820 x^3 - 533 x^2 - 247 x + 1) / ((x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A063357
Score: 5.18536
Type of gen. func.: ogf

$$\frac{11 x^8 + 77 x^7 + 86 x^6 + 83 x^5 + 158 x^4 + 79 x^3 + 78 x^2 + 73 x - 1}{(x^2 + 1) (x^2 - x + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A063358
Score: 4.50863
Type of gen. func.: ogf

$$(x^{11} + 43 x^{10} + 306 x^9 + 568 x^8 + 833 x^7 + 1049 x^6 + 1051 x^5 + 1005 x^4 + 742 x^3 + 480 x^2 + 215 x - 1) / ((x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A063359
Score: 4.69604
Type of gen. func.: ogf

$$(x^{11} - x^{10} + 75 x^9 + 154 x^8 + 230 x^7 + 309 x^6 + 309 x^5 + 309 x^4 + 231 x^3 + 154 x^2 + 76 x - 1) / ((x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A063360
Score: 4.63474
Type of gen. func.: ogf

$$(x^9 + 24 x^8 + 211 x^7 + 209 x^6 + 237 x^5 + 393 x^4 + 209 x^3 + 211 x^2 + 182 x - 1) / ((x^2 + 1) (x^2 - x + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A063361
Score: 6.80821
Type of gen. func.: ogf

$$\frac{17 x^6 + 151 x^5 + 267 x^4 + 264 x^3 + 249 x^2 + 115 x - 1}{(x^2 + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A063362
Score: 4.32940
Type of gen. func.: ogf

11 10 9 8 7 6 5 4

```
- (x   - 43 x   - 374 x  - 704 x  - 1033 x  - 1321 x  - 1319 x  - 1277 x

            3        2                  /    2            2            2
     - 946 x  - 616 x  - 287 x + 1)  /  ((x  + x + 1) (x  - x + 1) (x  + 1)
                                    /

           2        2
    (x - 1)  (x + 1) )
```

Sequence: A063363
Score: 4.98935
Type of gen. func.: ogf

```
    10       9        8        7        6        5        4        3        2
- (x   - 53 x  - 102 x  - 157 x  - 213 x  - 206 x  - 213 x  - 157 x  - 102 x

                   /    2            2            2             2        2
     - 53 x + 1)  /  ((x  + x + 1) (x  - x + 1) (x  + 1) (x - 1)  (x + 1) )
                 /
```

Sequence: A063364
Score: 4.47269
Type of gen. func.: ogf

```
  11       10        9        8         7         6         5         4
(x   + 53 x   + 372 x  + 690 x  + 1011 x  + 1273 x  + 1275 x  + 1219 x

            3        2                  /    2            2            2
     + 900 x  + 582 x  + 261 x - 1)  /  ((x  + x + 1) (x  - x + 1) (x  + 1)
                                    /

           2        2
    (x - 1)  (x + 1) )
```

Sequence: A063365
Score: 4.92667
Type of gen. func.: ogf

```
      10        9        8        7        6        5        4        3        2
(19 x   + 176 x  + 326 x  + 484 x  + 613 x  + 614 x  + 593 x  + 440 x  + 286 x

                    /    2            2            2             2        2
     + 132 x - 1)  /  ((x  + x + 1) (x  - x + 1) (x  + 1) (x - 1)  (x + 1) )
                  /
```

Sequence: A063366
Score: 4.63474
Type of gen. func.: ogf

```
  9       8        7        6        5        4        3        2
(x  + 26 x  + 241 x  + 239 x  + 269 x  + 451 x  + 239 x  + 241 x  + 210 x - 1)
```

$$\Big/ \ ((x^2 + 1)\,(x^2 - x + 1)\,(x - 1)^2\,(x + 1)^2)$$

Sequence: A063367
Score: 4.76792
Type of gen. func.: ogf

$$(x^{11} - x^{10} + 90\,x^9 + 184\,x^8 + 275\,x^7 + 369\,x^6 + 369\,x^5 + 369\,x^4 + 276\,x^3 + 184\,x^2 + 91\,x - 1) \Big/ ((x^2 + x + 1)\,(x^2 - x + 1)\,(x^2 + 1)\,(x - 1)^2\,(x + 1)^2)$$

Sequence: A063368
Score: 4.32940
Type of gen. func.: ogf

$$(x^{11} + 49\,x^{10} + 378\,x^9 + 706\,x^8 + 1037\,x^7 + 1313\,x^6 + 1315\,x^5 + 1263\,x^4 + 934\,x^3 + 606\,x^2 + 275\,x - 1) \Big/ ((x^2 + x + 1)\,(x^2 - x + 1)\,(x^2 + 1)\,(x - 1)^2\,(x + 1)^2)$$

Sequence: A063369
Score: 13.1663
Type of gen. func.: ogf

$$\frac{9\,x^2 + 100\,x - 1}{(x - 1)^2}$$

Sequence: A063369
Score: 20.9707
Type of gen. func.: lgdogf

$$-\frac{2\,(49 + 59\,x)}{(x - 1)\,(9\,x^2 + 100\,x - 1)}$$

Sequence: A063369
Score: 6.89663
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = -1, a(1) = 98, a(2) = 206\}$$

Sequence: A063369
Score: 7.31461
Type of gen. func.: ogf

$$(54 f(x) + 2455) (f(x) x^2 - 2 f(x) x - 9 x^2 + f(x) - 100 x + 1)$$

Sequence: A063370
Score: 4.43609
Type of gen. func.: ogf

$$- (x^{11} - 47 x^{10} - 440 x^9 - 832 x^8 - 1223 x^7 - 1569 x^6 - 1567 x^5 - 1521 x^4 - 1128 x^3 - 736 x^2 - 345 x + 1) / ((x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A063371
Score: 5.05984
Type of gen. func.: ogf

$$- (x^{10} - 95 x^9 - 188 x^8 - 282 x^7 - 377 x^6 - 375 x^5 - 377 x^4 - 282 x^3 - 188 x^2 - 95 x + 1) / ((x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A063372
Score: 4.66924
Type of gen. func.: ogf

$$(40 x^{10} + 320 x^9 + 603 x^8 + 880 x^7 + 1121 x^6 + 1122 x^5 + 1080 x^4 + 800 x^3$$

$$+ 521 x^2 + 240 x - 1) / ((x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A063373
Score: 4.92667
Type of gen. func.: ogf

$$(20 x^{10} + 181 x^9 + 344 x^8 + 503 x^7 + 647 x^6 + 645 x^5 + 626 x^4 + 463 x^3 + 302 x^2 + 141 x - 1) / ((x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A063374
Score: 15.4862
Type of gen. func.: lgdegf]

$$1 - 3 f(x) + 3 f(x)^2 - f(x)^3$$

Sequence: A063376
Score: 12.6933
Type of gen. func.: ogf

$$\frac{2 x^2 - 4 x + 1}{(4 x - 1) (2 x - 1)}$$

Sequence: A063376
Score: 13.7473
Type of gen. func.: lgdogf

$$\frac{2 (10 x^2 - 6 x + 1)}{(2 x - 1) (4 x - 1) (2 x^2 - 4 x + 1)}$$

Sequence: A063376
Score: 6.59555
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 8 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A063376
Score: 9.47528
Type of gen. func.: ogf

$$8 f(x) x^{2} - 6 f(x) x - 2 x^{2} + f(x) + 4 x - 1$$

Sequence: A063395
Score: 3.39401
Type of gen. func.: ogf

$$\{9 a(n) n + (-19 n - 14) a(n + 1) + (11 n + 16) a(n + 2) + (-2 - n) a(n + 3),$$
$$a(0) = 1, a(1) = 3, a(2) = 19\}$$

Sequence: A063395
Score: 4.19881
Type of gen. func.: ogf

$$9 x^{3} f(x)^{2} - 19 f(x)^{2} x^{2} - 36 f(x) x^{3} + 11 f(x)^{2} x + 58 f(x) x^{2} + 20 x^{3} - f(x)^{2}$$
$$- 24 f(x) x - 24 x^{2} + 2 f(x) + 13 x - 1$$

Sequence: A063396
Score: 4.79192
Type of gen. func.: ogf

$$-(9 f(x) - 532) (8 f(x) x^{4} - 20 f(x) x^{3} + 20 x^{4} + 18 f(x) x^{2} - 52 x^{3} - 7 f(x) x$$
$$+ 40 x^{2} + f(x) - 8 x - 1)$$

Sequence: A063396
Score: 8.30601
Type of gen. func.: ogf

$$- \frac{20 x^{4} - 52 x^{3} + 40 x^{2} - 8 x - 1}{}$$

$$(x - 1) (2 x - 1)^3$$

Sequence: A063396
Score: 8.64045
Type of gen. func.: lgdogf

$$\frac{4 x^4 + 24 x^3 - 68 x^2 + 56 x - 15}{(x - 1) (2 x - 1) (20 x^4 - 52 x^3 + 40 x^2 - 8 x - 1)}$$

Sequence: A063397
Score: 6.75287
Type of gen. func.: ogf

$$- \frac{76 x^5 - 244 x^4 + 280 x^3 - 136 x^2 + 22 x + 1}{(x - 1) (2 x - 1)^4}$$

Sequence: A063397
Score: 6.89747
Type of gen. func.: lgdogf

$$\frac{32 x^5 - 8 x^4 - 160 x^3 + 256 x^2 - 150 x + 31}{(x - 1) (2 x - 1) (76 x^5 - 244 x^4 + 280 x^3 - 136 x^2 + 22 x + 1)}$$

Sequence: A063398
Score: 5.45355
Type of gen. func.: ogf

$$- \frac{260 x^6 - 996 x^5 + 1488 x^4 - 1088 x^3 + 388 x^2 - 52 x - 1}{(x - 1) (2 x - 1)^5}$$

Sequence: A063417
Score: 4.02579
Type of gen. func.: ogf

$$\frac{x^6 - 5 x^5 + 9 x^4 - 5 x^3 - 5 x^2 + 9 x - 5}{(x - 1)^9}$$

Sequence: A063417
Score: 7.06819
Type of gen. func.: lgdogf

$$- \frac{(x - 2) (3 x^5 - 8 x^4 + 4 x^3 + 14 x^2 - 22 x + 18)}{(x - 1) (x^6 - 5 x^5 + 9 x^4 - 5 x^3 - 5 x^2 + 9 x - 5)}$$

Sequence: A063418
Score: 3.29552
Type of gen. func.: ogf

$$- \frac{2 x^6 - 11 x^5 + 24 x^4 - 25 x^3 + 10 x^2 + 3 x - 4}{(x - 1)^{10}}$$

Sequence: A063418
Score: 5.87795
Type of gen. func.: lgdogf

$$- \frac{8 x^6 - 43 x^5 + 89 x^4 - 79 x^3 + 5 x^2 + 47 x - 37}{(x - 1) (2 x^6 - 11 x^5 + 24 x^4 - 25 x^3 + 10 x^2 + 3 x - 4)}$$

Sequence: A063434
Score: 5.32423
Type of gen. func.: ogf

$$- (10577 x^8 - 3069 x^7 - 990 x^6 - 990 x^5 - 990 x^4 - 990 x^3 - 990 x^2 - 990 x - 11567) / ((x + 1) (x^4 + 1) (x^2 + 1) (x - 1)^2)$$

Sequence: A063436
Score: 12.6567
Type of gen. func.: ogf

$$-\frac{3 x (5 + 3 x)}{(x - 1)^3}$$

Sequence: A063436
Score: 32.8646
Type of gen. func.: lgdogf

$$-\frac{6 (x + 3)}{(5 + 3 x) (x - 1)}$$

Sequence: A063436
Score: 6.49635
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 15, a(2) = 54\}$$

Sequence: A063436
Score: 7.33804
Type of gen. func.: ogf

$$(3904 f(x) - 35217) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 9 x^2 - f(x) + 15 x)$$

Sequence: A063438
Score: 12.2382
Type of gen. func.: ogf

$$-\frac{4 x^6 + 3 x^5 + 3 x^4 + 3 x^3 + 3 x^2 + 3 x + 3}{(x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A063459
Score: 7.78259
Type of gen. func.: ogf

$$\frac{x\,(x^7+2\,x^6+2\,x^5+2\,x^4+2\,x^3+2\,x^2+2\,x+2)}{(x^6+x^5+x^4+x^3+x^2+x+1)\,(x-1)^2}$$

Sequence: A063460
Score: 7.49953
Type of gen. func.: ogf

$$\frac{2\,x^7+2\,x^6+2\,x^5+2\,x^4+2\,x^3+2\,x^2+2\,x+1}{(x+1)\,(x^4+1)\,(x^2+1)\,(x-1)^2}$$

Sequence: A063481
Score: 12.8567
Type of gen. func.: ogf

$$-\frac{2\,(6\,x-1)}{(8\,x-1)\,(4\,x-1)}$$

Sequence: A063481
Score: 14.4080
Type of gen. func.: lgdogf

$$-\frac{2\,(96\,x^2-32\,x+3)}{(6\,x-1)\,(8\,x-1)\,(4\,x-1)}$$

Sequence: A063481
Score: 5.87512
Type of gen. func.: revogf

$$x\,(x^4+3\,x^2+1)\,(5\,x^4+5\,x^2+1)\;\Big/\;(2\,(x^{10}+15\,x^9+15\,x^8+60\,x^7+35\,x^6$$
$$+\,63\,x^5+28\,x^4+24\,x^3+9\,x^2+3\,x+1))$$

Sequence: A063481
Score: 6.56512
Type of gen. func.: ogf

$$-(14 f(x) + 53) (32 f(x) x^2 - 12 f(x) x + f(x) + 12 x - 2)$$

Sequence: A063481
Score: 7.26024
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 32 a(n), a(0) = 2, a(1) = 12\}$$

Sequence: A063488
Score: 17.3349
Type of gen. func.: lgdogf

$$- \frac{x^3 + 7 x^2 + 10 x + 6}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A063488
Score: 28.8097
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 - x + 6$$

Sequence: A063488
Score: 5.00266
Type of gen. func.: ogf

$$(16992 f(x) + 20911)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A063488
Score: 9.42058
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x + 1)}{(x - 1)^4}$$

Sequence: A063489
Score: 16.1211
Type of gen. func.: lgdogf

$$-\frac{x^3 + 11 x^2 + 20 x + 8}{(x - 1) (x + 1) (x^2 + 3 x + 1)}$$

Sequence: A063489
Score: 4.04402
Type of gen. func.: ogf

$$\{(n^2 - n - 6) a(n + 1) + (-2 n^2 - 10 n - 60) a(n + 2)$$
$$+ (n^2 + 11 n + 24) a(n + 3), a(0) = 1, a(1) = 8, a(2) = 30\}$$

Sequence: A063489
Score: 4.95808
Type of gen. func.: ogf

$$(49760 f(x) + 137841)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 4 x^2 + f(x) - 4 x - 1)$$

Sequence: A063489
Score: 9.40104
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 3 x + 1)}{(x - 1)^4}$$

Sequence: A063490
Score: 15.6473
Type of gen. func.: lgdogf

$$x^3 + 15 x^2 + 30 x + 10$$

$$-\frac{}{(x - 1) (x + 1) (x^2 + 5 x + 1)}$$

Sequence: A063490
Score: 4.72745
Type of gen. func.: ogf

$$\{(-n^2 - n) a(n) + (2 n^2 + 6 n + 24) a(n + 1) + (-n^2 - 5 n - 6) a(n + 2),$$

$$a(0) = 1, a(1) = 10\}$$

Sequence: A063490
Score: 4.95567
Type of gen. func.: ogf

$$(19936 f(x) + 87439)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 6 x^2 + f(x) - 6 x - 1)$$

Sequence: A063490
Score: 9.33212
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 5 x + 1)}{(x - 1)^4}$$

Sequence: A063491
Score: 16.0842
Type of gen. func.: lgdogf

$$-\frac{(x + 2) (x^2 + 17 x + 6)}{(x - 1) (x + 1) (x^2 + 7 x + 1)}$$

Sequence: A063491
Score: 3.83670
Type of gen. func.: ogf

$$\{(-5 n^2 - 19 n - 18) a(n + 1) + (10 n^2 + 50 n + 132) a(n + 2)$$

$$+ (-5 n^2 - 31 n - 48) a(n + 3), a(0) = 1, a(1) = 12, a(2) = 50\}$$

Sequence: A063491
Score: 4.76995
Type of gen. func.: ogf

$$(166752 f(x) + 1005037)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 8 x^2 + f(x) - 8 x - 1)$$

Sequence: A063491
Score: 9.16822
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 7 x + 1)}{(x - 1)^4}$$

Sequence: A063492
Score: 10.6931
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 9 x + 1)}{(x - 1)^4}$$

Sequence: A063492
Score: 15.6879
Type of gen. func.: lgdogf

$$- \frac{x^3 + 23 x^2 + 50 x + 14}{(x - 1) (x + 1) (x^2 + 9 x + 1)}$$

Sequence: A063492
Score: 4.59105

Type of gen. func.: ogf

$$\{(-7 n^2 - 29 n - 30) a(n + 1) + (14 n^2 + 70 n + 168) a(n + 2)$$

$$+ (-7 n^2 - 41 n - 60) a(n + 3), a(0) = 1, a(1) = 14, a(2) = 60\}$$

Sequence: A063492
Score: 5.70779
Type of gen. func.: ogf

$$(22816 f(x) + 175221)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 10 x^2 + f(x) - 10 x - 1)$$

Sequence: A063493
Score: 15.5805
Type of gen. func.: lgdogf

$$- \frac{x^3 + 27 x^2 + 60 x + 16}{(x - 1) (x + 1) (x^2 + 11 x + 1)}$$

Sequence: A063493
Score: 4.01669
Type of gen. func.: ogf

$$\{(-3 n^2 - 13 n - 14) a(n + 1) + (6 n^2 + 30 n + 68) a(n + 2)$$

$$+ (-3 n^2 - 17 n - 24) a(n + 3), a(0) = 1, a(1) = 16, a(2) = 70\}$$

Sequence: A063493
Score: 5.00711
Type of gen. func.: ogf

$$(4576 f(x) + 42733)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 12 x^2 + f(x) - 12 x - 1)$$

Sequence: A063493
Score: 9.25365
Type of gen. func.: ogf

$$\frac{(x+1)(x^2+11x+1)}{(x-1)^4}$$

Sequence: A063494
Score: 15.5805
Type of gen. func.: lgdogf

$$-\frac{x^3+29x^2+65x+17}{(x-1)(x+1)(x^2+12x+1)}$$

Sequence: A063494
Score: 3.97303
Type of gen. func.: ogf

$$\{(-5n^2-22n-24)a(n+1)+(10n^2+50n+111)a(n+2)$$
$$+(-5n^2-28n-39)a(n+3), a(0)=1, a(1)=17, a(2)=75\}$$

Sequence: A063494
Score: 4.93944
Type of gen. func.: ogf

$$(51184 f(x) + 520509)$$
$$(f(x)x^4 - 4f(x)x^3 + 6f(x)x^2 - x^3 - 4f(x)x - 13x^2 + f(x) - 13x - 1)$$

Sequence: A063494
Score: 9.25365
Type of gen. func.: ogf

$$\frac{(x+1)(x^2+12x+1)}{(x-1)^4}$$

Sequence: A063495
Score: 14.9943
Type of gen. func.: lgdogf

$$-\frac{x^{3} + 31 x^{2} + 70 x + 18}{(x - 1) (x + 1) (x^{2} + 13 x + 1)}$$

Sequence: A063495
Score: 3.76449
Type of gen. func.: ogf

$$\{(-11 n^{2} - 49 n - 54) a(n + 1) + (22 n^{2} + 110 n + 240) a(n + 2)$$
$$+ (-11 n^{2} - 61 n - 84) a(n + 3), a(0) = 1, a(1) = 18, a(2) = 80\}$$

Sequence: A063495
Score: 4.69306
Type of gen. func.: ogf

$$(470880 f(x) + 5180131)$$
$$(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - x^{3} - 4 f(x) x - 14 x^{2} + f(x) - 14 x - 1)$$

Sequence: A063495
Score: 8.91087
Type of gen. func.: ogf

$$\frac{(x + 1) (x^{2} + 13 x + 1)}{(x - 1)^{4}}$$

Sequence: A063496
Score: 15.0716
Type of gen. func.: lgdogf

$$-\frac{x^{3} + 33 x^{2} + 75 x + 19}{\quad^{2}}$$

$$(x - 1) (x + 1) (x + 14 x + 1)$$

Sequence: A063496
Score: 3.90892
Type of gen. func.: ogf

$$\{(-2 n^2 - 9 n - 10) a(n + 1) + (4 n^2 + 20 n + 43) a(n + 2)$$
$$+ (-2 n^2 - 11 n - 15) a(n + 3), a(0) = 1, a(1) = 19, a(2) = 85\}$$

Sequence: A063496
Score: 4.84599
Type of gen. func.: ogf

$$(8384 f(x) + 99209)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 15 x^2 + f(x) - 15 x - 1)$$

Sequence: A063496
Score: 8.95589
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 14 x + 1)}{(x - 1)^4}$$

Sequence: A063497
Score: 11.8737
Type of gen. func.: ogf

$$\frac{60 x (x + 1)}{(x - 1)^4}$$

Sequence: A063497
Score: 37.5851
Type of gen. func.: ogf_with_Euler_transform]

$$[5 - x]$$

Sequence: A063497
Score: 39.2395
Type of gen. func.: lgdogf

$$-\frac{5 + 3 x}{(x - 1) (x + 1)}$$

Sequence: A063497
Score: 5.84957
Type of gen. func.: ogf

$$\{(n + 2) a(n + 3) - 5 a(n + 2) + (-3 - n) a(n + 1), a(0) = 0, a(1) = 60, a(2) = 300\}$$

Sequence: A063497
Score: 5.98151
Type of gen. func.: ogf

$$(536 f(x) + 26895) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 60 x^2 + f(x) - 60 x)$$

Sequence: A063498
Score: 19.0798
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^2 - 6 x + 13)}{(x - 1) (3 x^2 - 6 x + 8)}$$

Sequence: A063498
Score: 5.08301
Type of gen. func.: ogf

$$(290 f(x) - 1413) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 12 x^3 - 4 f(x) x + 24 x^2 + f(x) - 32 x)$$

Sequence: A063498
Score: 9.43032
Type of gen. func.: ogf

$$\frac{4 x (3 x^2 - 6 x + 8)}{(x - 1)^4}$$

Sequence: A063510
Score: 18.3524
Type of gen. func.: lgdogf

$$\frac{14 x^{15} - 15 x^{14} + 2 x^3 - 3 x^2 - 2}{(x - 1) (x^{15} + x^3 + x + 1)}$$

Sequence: A063510
Score: 18.3573
Type of gen. func.: ogf

$$- \frac{x^{15} + x^3 + x + 1}{x - 1}$$

Sequence: A063511
Score: 16.4861
Type of gen. func.: lgdogf

$$\frac{2 (28 x^{15} - 30 x^{14} + 2 x^3 - 3 x^2 - 1)}{(x - 1) (4 x^{15} + 2 x^3 + x + 1)}$$

Sequence: A063511
Score: 18.3573
Type of gen. func.: ogf

$$- \frac{4 x^{15} + 2 x^3 + x + 1}{x - 1}$$

Sequence: A063518
Score: 6.47670
Type of gen. func.: ogf

$$- (x^{11} + 18 x^{10} - 3 x^9 - 11 x^8 - 2 x^7 + 8 x^6 - 9 x^5 + 13 x^4 - 6 x^3 + x^2 - 4 x + 17) / ((x - 1) (x + 1) (x^{10} - x^9 + x^8 - x^7 + x^6 - x^5 + x^4 - x^3 + x^2 - x + 1))$$

Sequence: A063521
Score: 21.1836
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 + 19 x + 8)}{(x - 1) (x^2 + 12 x + 1)}$$

Sequence: A063521
Score: 3.65578
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (6 + 11 n) a(n + 3) + (-49 - 11 n) a(n + 2) + (-2 - n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 16, a(3) = 59\}$$

Sequence: A063521
Score: 5.07746
Type of gen. func.: ogf

$$-(1260 f(x) + 6037) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 12 x^2 + f(x) - x)$$

Sequence: A063521
Score: 9.88049
Type of gen. func.: ogf

2

$$\frac{x (x + 12 x + 1)}{(x - 1)^4}$$

Sequence: A063522
Score: 19.9116
Type of gen. func.: lgdogf

$$- \frac{2 x^2 + 41 x + 17}{(x - 1) (x^2 + 13 x + 1)}$$

Sequence: A063522
Score: 4.94923
Type of gen. func.: ogf

$$-(435 f(x) + 2257)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 13 x^2 + f(x) - x)$$

Sequence: A063522
Score: 9.56405
Type of gen. func.: ogf

$$\frac{x (x^2 + 13 x + 1)}{(x - 1)^4}$$

Sequence: A063523
Score: 20.6035
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 + 22 x + 9)}{(x - 1) (x^2 + 14 x + 1)}$$

Sequence: A063523
Score: 4.90587
Type of gen. func.: ogf

```
-(4960 f(x) + 27707)

           4           3           2    3                  2
    (f(x) x  - 4 f(x) x  + 6 f(x) x  - x  - 4 f(x) x - 14 x  + f(x) - x)



------------------------------------------------------------------------------

Sequence:  A063523
Score: 9.61285
Type of gen. func.: ogf


                                   2
                               x (x  + 14 x + 1)
                               -----------------
                                          4
                                   (x - 1)



------------------------------------------------------------------------------

Sequence:  A063524
Score: 22.3034
Type of gen. func.: ogf


                                    x - f(x)



------------------------------------------------------------------------------

Sequence:  A063524
Score: 9.67883
Type of gen. func.: ogf


                        {-a(n + 2), a(0) = 0, a(1) = 1}



------------------------------------------------------------------------------

Sequence:  A063537
Score: 7.00154
Type of gen. func.: lgdogf


             15         14       5        4        3       2
       4329 x   - 4995 x   - 66 x  + 154 x  - 110 x  + 66 x  - 74 x - 14
       -----------------------------------------------------------------
                       15       5       4       3       2
         (x - 1) (333 x   - 22 x  + 22 x  - 22 x  + 31 x  + 12 x + 1)



------------------------------------------------------------------------------

Sequence:  A063537
Score: 8.59569
Type of gen. func.: ogf


                    15       5       4       3       2
               333 x   - 22 x  + 22 x  - 22 x  + 31 x  + 12 x + 1
               --------------------------------------------------
```

$$(x - 1)^2$$

Sequence: A063650
Score: 6.21462
Type of gen. func.: ogf

$$-\frac{x^4 - 5x^2 - x + 1}{4x^6 + x^5 - 27x^4 + x^3 + 16x^2 + 2x - 1}$$

Sequence: A063651
Score: 4.20735
Type of gen. func.: ogf

$$-\frac{6x^6 + 6x^5 - 17x^4 - 9x^3 + 12x^2 + 2x - 1}{32x^8 + 42x^7 - 116x^6 - 85x^5 + 138x^4 + 17x^3 - 30x^2 - 3x + 1}$$

Sequence: A063673
Score: 10.9982
Type of gen. func.: ogf

$$-\frac{16378x^{15} - 16484x^{14} + 43x^6 - 49x^5 + 2x^2 - 2x - 1}{(x - 1)^2}$$

Sequence: A063673
Score: 8.47605
Type of gen. func.: lgdogf

$$\frac{212914x^{15} - 443478x^{14} + 230776x^{13} + 172x^6 - 405x^5 + 245x^4 - 2x + 4}{(x - 1)(16378x^{15} - 16484x^{14} + 43x^6 - 49x^5 + 2x^2 - 2x - 1)}$$

Sequence: A063674
Score: 8.34369
Type of gen. func.: ogf

$$-\frac{51453 x^{15} - 51786 x^{14} + 135 x^{6} - 154 x^{5} + 7 x^{2} - 7 x - 3}{(x - 1)^{2}}$$

Sequence: A063724
Score: 12.2730
Type of gen. func.: ogf

$$-\frac{x^{3} (x^{3} - x^{2} + 5 x - 8)}{(x - 1)^{2}}$$

Sequence: A063724
Score: 21.0682
Type of gen. func.: lgdogf

$$\frac{x^{3} - 3 x^{2} - 3 x + 11}{(x - 1) (x^{3} - x^{2} + 5 x - 8)}$$

Sequence: A063724
Score: 4.32061
Type of gen. func.: ogf

$$\{(-217 n^{2} + 855 n - 612) a(n + 1) + (610 n^{2} - 1488 n + 306) a(n + 2)$$
$$+ (-393 n^{2} + 809 n) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 8\}$$

Sequence: A063726
Score: 4.90073
Type of gen. func.: ogf

$$- (x^{13} + 2 x^{12} + 3 x^{11} + x^{10} - x^{9} - 5 x^{8} - 3 x^{7} - 3 x^{6} - 3 x^{5} - x^{4} + x^{3} + x^{2}$$
$$+ 2 x + 1) \Big/ ((x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} + x^{2} - 1)$$
$$(x^{4} - x^{2} - 1))$$

Sequence: A063727
Score: 17.1060
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (20 x^2 + 4 x + 1)^{1/2}}{8 x}$$

Sequence: A063727
Score: 18.5329
Type of gen. func.: ogf

$$-\frac{1}{4 x^2 + 2 x - 1}$$

Sequence: A063727
Score: 24.9463
Type of gen. func.: lgdogf

$$-\frac{2 (1 + 4 x)}{4 x^2 + 2 x - 1}$$

Sequence: A063727
Score: 7.45838
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A063727
Score: 7.55045
Type of gen. func.: ogf

$$(5 f(x) - 4) (4 f(x) x^2 + 2 f(x) x - f(x) + 1)$$

Sequence: A063757
Score: 11.7476

Type of gen. func.: ogf

$$\frac{(x + 1) (2 x + 1)}{(x - 1) (2 x^2 - 1)}$$

Sequence: A063757
Score: 12.3168
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^4 + 6 x^3 + x^2 - 4 x - 2)}{(x - 1) (2 x + 1) (x + 1) (2 x^2 - 1)}$$

Sequence: A063757
Score: 6.17762
Type of gen. func.: ogf

$$-(11 f(x) + 1) (2 f(x) x^3 - 2 f(x) x^2 - f(x) x - 2 x^2 + f(x) - 3 x - 1)$$

Sequence: A063757
Score: 6.39826
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 2 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 4, a(2) = 8\}$$

Sequence: A063758
Score: 12.7479
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x + 1)}{(x - 1) (x^2 + x - 1)}$$

Sequence: A063758
Score: 12.9371
Type of gen. func.: lgdogf

4   3   2

$$-\frac{2\,(x + 4\,x + 2\,x - 2\,x - 2)}{(x - 1)\,(x + 1)\,(x^2 + x + 1)\,(x^2 + x - 1)}$$

Sequence: A063758
Score: 6.70366
Type of gen. func.: ogf

{a(n + 4) - 2 a(n + 3) + a(n + 1), a(0) = 1, a(1) = 4, a(2) = 10, a(3) = 20}

Sequence: A063758
Score: 7.33607
Type of gen. func.: ogf

$$-(58\,f(x) - 3)\,(f(x)\,x^3 - x^3 - 2\,f(x)\,x - 2\,x^2 + f(x) - 2\,x - 1)$$

Sequence: A063759
Score: 15.2332
Type of gen. func.: ogf

$$-\frac{(x + 1)\,(2\,x + 1)}{2\,x^2 - 1}$$

Sequence: A063759
Score: 19.2519
Type of gen. func.: lgdogf

$$-\frac{6\,x^2 + 8\,x + 3}{(2\,x + 1)\,(x + 1)\,(2\,x^2 - 1)}$$

Sequence: A063759
Score: 8.88605
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 4}

Sequence: A063759
Score: 9.95237
Type of gen. func.: ogf

$$(8 f(x) + 1) (2 f(x) x^2 + 2 x^2 - f(x) + 3 x + 1)$$

Sequence: A063782
Score: 14.0915
Type of gen. func.: ogf

$$- \frac{x + 1}{4 x^2 + 2 x - 1}$$

Sequence: A063782
Score: 15.1523
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (20 x^2 + 8 x + 1)^{1/2}}{2 (1 + 4 x)}$$

Sequence: A063782
Score: 17.2568
Type of gen. func.: lgdogf

$$- \frac{(3 + 2 x) (2 x + 1)}{(x + 1) (4 x^2 + 2 x - 1)}$$

Sequence: A063782
Score: 7.04576
Type of gen. func.: ogf

$$-(14 f(x) - 5) (4 f(x) x^2 + 2 f(x) x - f(x) + x + 1)$$

Sequence: A063782
Score: 7.73316
Type of gen. func.: ogf

$$\{-a(n+2) + 2\,a(n+1) + 4\,a(n),\ a(0) = 1,\ a(1) = 3\}$$

Sequence: A063808
Score: 16.1634
Type of gen. func.: ogf

$$\frac{2x^3 - 4x^2 - 3x - 1}{x - 1}$$

Sequence: A063808
Score: 17.8411
Type of gen. func.: lgdogf

$$\frac{2\,(2x^3 - 5x^2 + 4x + 2)}{(x - 1)\,(2x^3 - 4x^2 - 3x - 1)}$$

Sequence: A063808
Score: 8.92355
Type of gen. func.: ogf

$$\{-a(n+4) + a(n+3),\ a(0) = 1,\ a(1) = 4,\ a(2) = 8,\ a(3) = 6\}$$

Sequence: A063808
Score: 9.51846
Type of gen. func.: ogf

$$-(11\,f(x) + 169)\,(-2x^3 + f(x)\,x + 4x^2 - f(x) + 3x + 1)$$

Sequence: A063809
Score: 10.6867
Type of gen. func.: ogf

$$\frac{28x^2 + 88x + 1}{28x^2 - 20x + 1}$$

Sequence: A063809
Score: 12.4543
Type of gen. func.: lgdogf

$$-\frac{108\,(28\,x^2-1)}{(28\,x^2-20\,x+1)\,(28\,x^2+88\,x+1)}$$

Sequence: A063809
Score: 5.58844
Type of gen. func.: ogf

$$\{-a(n+3)+20\,a(n+2)-28\,a(n+1),\ a(0)=1,\ a(1)=108,\ a(2)=2160\}$$

Sequence: A063809
Score: 8.12188
Type of gen. func.: ogf

$$-28\,f(x)\,x^2+20\,f(x)\,x+28\,x^2-f(x)+88\,x+1$$

Sequence: A063810
Score: 4.72164
Type of gen. func.: ogf

$$\frac{x^8+9\,x^7+6\,x^6+21\,x^5+8\,x^4+11\,x^3+4\,x^2+x+1}{(x^2+1)\,(x^2+x+1)\,(x-1)^4}$$

Sequence: A063812
Score: 4.02874
Type of gen. func.: ogf

$$(1+3\,f(x))\,(f(x)\,x^4-6\,f(x)\,x^3-x^4-6\,f(x)\,x^2-2\,x^3-6\,f(x)\,x-2\,x^2$$
$$+f(x)-2\,x-1)$$

Sequence: A063812

Score: 6.87255
Type of gen. func.: ogf

$$\frac{(x^2+1)(x+1)^2}{x^4-6x^3-6x^2-6x+1}$$

Sequence: A063812
Score: 8.17406
Type of gen. func.: lgdogf

$$-\frac{8(x-1)(x^4+2x^3+4x^2+2x+1)}{(x+1)(x^2+1)(x^4-6x^3-6x^2-6x+1)}$$

Sequence: A063813
Score: 5.11657
Type of gen. func.: ogf

$$\frac{(x^2+x+1)(x^2-x+1)(x+1)^2}{x^6-10x^5-10x^4-10x^3-10x^2-10x+1}$$

Sequence: A063814
Score: 13.78
Type of gen. func.: ogf

$$(15 f(x) x - f(x) + x + 1)^3$$

Sequence: A063814
Score: 4.41666
Type of gen. func.: ogf

$$\frac{(x^4+1)(x^2+1)(x+1)^2}{x^8-14x^7-14x^6-14x^5-14x^4-14x^3-14x^2-14x+1}$$

Sequence: A063815
Score: 10.6508
Type of gen. func.: ogf

$$-(19 f(x) x - f(x) + x + 1)^2$$

Sequence: A063816
Score: 4.94921
Type of gen. func.: ogf

$$\frac{24 x^{11} + x^{10} + 23 x^3 + 23 x^2 + 23 x + 23}{x^{10} - 529 x^3 + 23 x^2 - 529 x + 23}$$

Sequence: A063816
Score: 9.80675
Type of gen. func.: ogf

$$-(23 f(x) x - f(x) + x + 1)^2$$

Sequence: A063817
Score: 7.92169
Type of gen. func.: ogf

$$\frac{28 x^{13} + x^{12} + 27 x + 27}{x^{12} - 729 x + 27}$$

Sequence: A063817
Score: 8.15467
Type of gen. func.: ogf

$$(f(x) - 1)^2 (27 f(x) x - f(x) + x + 1)$$

Sequence: A063818
Score: 12.2958
Type of gen. func.: ogf

$$-31 f(x) x + f(x) - x - 1$$

Sequence: A063818
Score: 14.5926
Type of gen. func.: revogf

$$- 1/2 - \frac{31 x}{2} + \frac{(961 x^2 + 66 x + 1)^{1/2}}{2}$$

Sequence: A063818
Score: 14.8844
Type of gen. func.: ogf

$$- \frac{x + 1}{31 x - 1}$$

Sequence: A063818
Score: 30.8066
Type of gen. func.: lgdogf

$$- \frac{32}{(x + 1) (31 x - 1)}$$

Sequence: A063818
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 31 a(n + 1), a(0) = 1, a(1) = 32\}$$

Sequence: A063819
Score: 12.8383
Type of gen. func.: ogf

$$-35 f(x) x + f(x) - x - 1$$

Sequence: A063819
Score: 14.1334
Type of gen. func.: revogf

$$-1/2-\frac{35\,x}{2}+\frac{((1+25\,x)\,(49\,x+1))^{1/2}}{2}$$

Sequence: A063819
Score: 15.5411
Type of gen. func.: ogf

$$-\frac{x+1}{35\,x-1}$$

Sequence: A063819
Score: 32.1929
Type of gen. func.: lgdogf

$$-\frac{36}{(x+1)\,(35\,x-1)}$$

Sequence: A063819
Score: 7.98057
Type of gen. func.: ogf

$$\{a(n+2)-35\,a(n+1),\ a(0)=1,\ a(1)=36\}$$

Sequence: A063820
Score: 13.1397
Type of gen. func.: ogf

$$-39\,f(x)\,x+f(x)-x-1$$

Sequence: A063820
Score: 15.2137
Type of gen. func.: revogf

$$-1/2-\frac{39\,x}{2}+\frac{(1521\,x^2+82\,x+1)^{1/2}}{2}$$

Sequence: A063820
Score: 15.9059
Type of gen. func.: ogf

$$-\frac{x + 1}{39 x - 1}$$

Sequence: A063820
Score: 32.9630
Type of gen. func.: lgdogf

$$-\frac{40}{(x + 1) (39 x - 1)}$$

Sequence: A063820
Score: 8.16791
Type of gen. func.: ogf

$$\{a(n + 2) - 39 a(n + 1), a(0) = 1, a(1) = 40\}$$

Sequence: A063821
Score: 13.441
Type of gen. func.: ogf

$$-43 f(x) x + f(x) - x - 1$$

Sequence: A063821
Score: 15.5692
Type of gen. func.: revogf

$$- 1/2 - \frac{43 x}{2} + \frac{(1849 x^2 + 90 x + 1)^{1/2}}{2}$$

Sequence: A063821
Score: 16.2707
Type of gen. func.: ogf

$$-\frac{x + 1}{}$$

$$43 x - 1$$

Sequence: A063821
Score: 33.7332
Type of gen. func.: lgdogf

$$-\frac{44}{(x + 1) (43 x - 1)}$$

Sequence: A063821
Score: 8.35524
Type of gen. func.: ogf

$$\{a(n + 2) - 43 a(n + 1), a(0) = 1, a(1) = 44\}$$

Sequence: A063822
Score: 13.8629
Type of gen. func.: ogf

$$-47 f(x) x + f(x) - x - 1$$

Sequence: A063822
Score: 16.0668
Type of gen. func.: revogf

$$- 1/2 - \frac{47 x}{2} + \frac{(2209 x^2 + 98 x + 1)^{1/2}}{2}$$

Sequence: A063822
Score: 16.7815
Type of gen. func.: ogf

$$-\frac{x + 1}{47 x - 1}$$

Sequence: A063822
Score: 34.8114
Type of gen. func.: lgdogf

$$-\frac{48}{(x+1)(47x-1)}$$

Sequence: A063822
Score: 8.61751
Type of gen. func.: ogf

$$\{a(n+2) - 47\,a(n+1),\ a(0) = 1,\ a(1) = 48\}$$

Sequence: A063823
Score: 10.7418
Type of gen. func.: ogf

$$-\frac{3x^3 + 2x^2 - 1}{(2x-1)(x-1)(x^2+x+1)}$$

Sequence: A063823
Score: 6.29026
Type of gen. func.: ogf

$$-f(x)\,(2 f(x) x^4 - f(x) x^3 + 3 x^3 - 2 f(x) x + 2 x^2 + f(x) - 1)$$

Sequence: A063823
Score: 8.88460
Type of gen. func.: lgdogf

$$-\frac{2(3x^6 + 4x^5 - x^4 + 2x^3 - x^2 - 2x + 1)}{(x-1)(2x-1)(x^2+x+1)(3x^3+2x^2-1)}$$

Sequence: A063842
Score: 10.4447
Type of gen. func.: lgdogf

$$-\frac{2x^5 + 17x^4 + 56x^3 + 80x^2 + 44x + 11}{}$$

$$(x - 1) (x + 1) (x^4 + 3 x^3 + 7 x^2 + 3 x + 1)$$

Sequence: A063842
Score: 6.31159
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^4 + 3 x^3 + 7 x^2 + 3 x + 1)}{(x - 1)^7}$$

Sequence: A063843
Score: 3.45954
Type of gen. func.: ogf

$$- x \left(6 x^8 + 339 x^7 + 3779 x^6 + 11221 x^5 + 10717 x^4 + 3681 x^3 + 473 x^2 + 23 x + 1 \right) / (x - 1)^{11}$$

Sequence: A063886
Score: 14.5372
Type of gen. func.: ogf

$$-2 f(x)^2 x + f(x)^2 - 2 x - 1$$

Sequence: A063886
Score: 36.7484
Type of gen. func.: lgdogf

$$- \frac{2}{(2 x - 1) (2 x + 1)}$$

Sequence: A063886
Score: 6.72005
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 2 a(n + 1) - 4 a(n) n, a(0) = 1, a(1) = 2\}$$

Sequence: A063914
Score: 13.7717
Type of gen. func.: ogf

$$\frac{x^3 + x^2 + 2 x + 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A063914
Score: 16.8868
Type of gen. func.: lgdogf

$$- \frac{x^4 + 2 x^3 + 9 x^2 + 6 x + 2}{(x - 1) (x + 1) (x^3 + x^2 + 2 x + 1)}$$

Sequence: A063914
Score: 8.2125
Type of gen. func.: ogf

$$-(430 f(x) - 567) (f(x) x^4 - 2 f(x) x^2 - x^3 - x^2 + f(x) - 2 x - 1)$$

Sequence: A063920
Score: 11.3883
Type of gen. func.: ogf

$$-(10 f(x) - 51) (2 f(x) x^2 - f(x) + 14 x + 10)$$

Sequence: A063920
Score: 12.9412
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n), a(0) = 10, a(1) = 14\}$$

Sequence: A063920

Score: 17.4461
Type of gen. func.: revegf]

$$-1/2\, 2^{1/2} (\operatorname{arcsinh}(7) - \operatorname{arcsinh}(x + 7))$$

Sequence: A063920
Score: 19.4986
Type of gen. func.: lgdogf

$$-\frac{14 x^2 + 20 x + 7}{(7 x + 5) (2 x^2 - 1)}$$

Sequence: A063920
Score: 19.8633
Type of gen. func.: ogf

$$-\frac{2 (7 x + 5)}{2 x^2 - 1}$$

Sequence: A063941
Score: 11.4155
Type of gen. func.: ogf

$$-39 f(x) x + f(x) - 17$$

Sequence: A063941
Score: 16.5624
Type of gen. func.: revegf]

$$-1/39 \ln(17) + 1/39 \ln(17 + 39 x)$$

Sequence: A063941
Score: 18.1802
Type of gen. func.: ogf

$$-\frac{17}{39 x - 1}$$

Sequence: A063941
Score: 36.9468
Type of gen. func.: lgdogf

$$-\frac{39}{39 x - 1}$$

Sequence: A063941
Score: 9.09009
Type of gen. func.: ogf

$$\{a(n + 1) - 39 a(n), a(0) = 17\}$$

Sequence: A063942
Score: 16.6587
Type of gen. func.: ogf

$$\frac{2 x^3 - x^2 - x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A063942
Score: 21.6021
Type of gen. func.: lgdogf

$$-\frac{2 x (x^4 - x^2 + 4 x - 1)}{(x - 1) (x^2 + x + 1) (2 x^3 - x^2 - x + 1)}$$

Sequence: A063942
Score: 7.05184
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 1) - a(n + 2) - a(n + 3) + (n + 1) a(n + 4), a(0) = 1, a(1) = 0, a(2) = -1, a(3) = 2\}$$

Sequence: A063942
Score: 9.57878
Type of gen. func.: ogf

$$(16 f(x) + 5) (f(x) x^4 - f(x) x^3 - 2 x^3 - f(x) x + x^2 + f(x) + x - 1)$$

Sequence: A063945
Score: 14.6042
Type of gen. func.: ogf

$$-10 f(x) x + f(x) + 10 x - 10$$

Sequence: A063945
Score: 17.5250
Type of gen. func.: ogf

$$\frac{10 (x - 1)}{10 x - 1}$$

Sequence: A063945
Score: 18.6221
Type of gen. func.: revogf

$$1/2 + x/2 - \frac{(25 x^2 + 40 x + 25)^{1/2}}{10}$$

Sequence: A063945
Score: 40.5305
Type of gen. func.: lgdogf

$$\frac{9}{(10 x - 1) (x - 1)}$$

Sequence: A063945
Score: 9.34668
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1), a(0) = 10, a(1) = 90\}$$

Sequence: A063992
Score: 11.4244
Type of gen. func.: lgdogf

$$\frac{19 x^{21} - 39 x^{20} + 20 x^{19} + 2 x^{4} - 5 x^{3} + 3 x^{2} - 2 x + 4}{(x - 1) (x^{21} - x^{20} + x^{4} - x^{3} + 2 x - 3)}$$

Sequence: A063992
Score: 11.9315
Type of gen. func.: ogf

$$- \frac{x^{21} - x^{20} + x^{4} - x^{3} + 2 x - 3}{(x - 1)^{2}}$$

Sequence: A064017
Score: 11.9645
Type of gen. func.: ogf

$$\frac{3 x^{2} - 3 x + 1}{(3 x - 1)^{2}}$$

Sequence: A064017
Score: 21.4222
Type of gen. func.: lgdogf

$$\frac{3 (x - 1)}{(3 x - 1) (3 x^{2} - 3 x + 1)}$$

Sequence: A064017
Score: 6.15650
Type of gen. func.: ogf

$\{-a(n + 3) + 6 a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 12\}$

Sequence: A064017
Score: 6.67493
Type of gen. func.: ogf

$$(13 + 14 f(x)) (9 f(x) x^2 - 6 f(x) x - 3 x^2 + f(x) + 3 x - 1)$$

Sequence: A064031
Score: 10.9457
Type of gen. func.: lgdegf]

$$1 - 3 f(x) + 3 f(x)^2 - f(x)^3$$

Sequence: A064037
Score: 3.07707
Type of gen. func.: ogf

$$\{(-144 n^3 - 864 n^2 - 1692 n - 1080) a(n + 1)$$

$$+ (40 n^3 + 420 n^2 + 1424 n + 1560) a(n + 2)$$

$$+ (-n^3 - 15 n^2 - 74 n - 120) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 24\}$$

Sequence: A064038
Score: 12.8192
Type of gen. func.: lgdogf

$$- \frac{3 (x^8 - x^6 + 10 x^5 - 4 x^4 + 7 x^2 - 2 x + 1)}{(x - 1) (x^6 + 4 x^3 + 1) (x^2 + 1)}$$

Sequence: A064038
Score: 7.22499
Type of gen. func.: ogf

$$- \frac{x (x^6 + 4 x^3 + 1)}{(x^2 + 1)^3 (x - 1)^3}$$

Sequence: A064043
Score: 10.3592
Type of gen. func.: ogf

$$-\frac{3 x (x^2 - 2 x - 1)}{(x - 1)^4}$$

Sequence: A064043
Score: 23.2861
Type of gen. func.: lgdogf

$$-\frac{2 (x + 1) (x - 3)}{(x - 1) (x^2 - 2 x - 1)}$$

Sequence: A064043
Score: 3.83868
Type of gen. func.: ogf

$\{(-3 - n) a(n + 4) + (4 - n) a(n + 3) + (7 + 3 n) a(n + 2) + (-2 - n) a(n + 1),$

$a(0) = 0, a(1) = 3, a(2) = 18, a(3) = 51\}$

Sequence: A064043
Score: 5.3255
Type of gen. func.: ogf

$-(256 f(x) + 2907)$

$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 3 x^3 - 4 f(x) x - 6 x^2 + f(x) - 3 x)$

Sequence: A064046
Score: 19.0866
Type of gen. func.: lgdogf

$$-\frac{2 (7 x^2 + 22 x + 7)}{(x - 1) (7 x^2 + 10 x + 1)}$$

Sequence: A064046
Score: 3.67978
Type of gen. func.: ogf

$$\{(n+3)\,a(n+4) + (4+9n)\,a(n+3) + (-47-3n)\,a(n+2) + (-14-7n)\,a(n+1),\ a(0)=0,\ a(1)=5,\ a(2)=70,\ a(3)=285\}$$

Sequence: A064046
Score: 5.11081
Type of gen. func.: ogf

$$-(112 f(x) + 2245)$$

$$(f(x)\,x^4 - 4 f(x)\,x^3 + 6 f(x)\,x^2 - 35 x^3 - 4 f(x)\,x - 50 x^2 + f(x) - 5 x)$$

Sequence: A064046
Score: 9.81276
Type of gen. func.: ogf

$$\frac{5 x (7 x^2 + 10 x + 1)}{(x - 1)^4}$$

Sequence: A064054
Score: 3.68565
Type of gen. func.: ogf

$$-\frac{(x^2 - 5 x + 5)(x^2 - x - 1)}{(x - 1)^{10}}$$

Sequence: A064054
Score: 8.63370
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^4 - 19 x^3 + 27 x^2 + 9 x - 25)}{(x - 1)(x^2 - 5 x + 5)(x^2 - x - 1)}$$

Sequence: A064055
Score: 4.24080
Type of gen. func.: ogf

$$-\frac{x^5 - 6x^4 + 15x^3 - 16x^2 + 4x + 3}{(x-1)^9}$$

Sequence: A064055
Score: 8.47502
Type of gen. func.: lgdogf

$$-\frac{4x^5 - 25x^4 + 66x^3 - 67x^2 + 31}{(x-1)(x^5 - 6x^4 + 15x^3 - 16x^2 + 4x + 3)}$$

Sequence: A064056
Score: 10.5616
Type of gen. func.: lgdogf

$$-\frac{3x^4 - 8x^3 + x^2 + 16x - 19}{(x-1)(x^4 - 3x^3 + 2x^2 + 2x - 3)}$$

Sequence: A064056
Score: 5.44794
Type of gen. func.: ogf

$$\frac{x^4 - 3x^3 + 2x^2 + 2x - 3}{(x-1)^7}$$

Sequence: A064057
Score: 4.56555
Type of gen. func.: ogf

$$2x^4 - 7x^3 + 8x^2 - 2x - 2$$

$$- \frac{}{(x - 1)^{8}}$$

Sequence: A064057
Score: 8.77119
Type of gen. func.: lgdogf

$$- \frac{8 x^{4} - 27 x^{3} + 27 x^{2} + 2 x - 18}{(x - 1) (2 x^{4} - 7 x^{3} + 8 x^{2} - 2 x - 2)}$$

Sequence: A064058
Score: 4.39445
Type of gen. func.: ogf

$$\frac{3 x^{4} - 11 x^{3} + 14 x^{2} - 6 x - 1}{(x - 1)^{9}}$$

Sequence: A064058
Score: 8.78891
Type of gen. func.: lgdogf

$$- \frac{15 x^{4} - 54 x^{3} + 65 x^{2} - 20 x - 15}{(x - 1) (3 x^{4} - 11 x^{3} + 14 x^{2} - 6 x - 1)}$$

Sequence: A064059
Score: 5.90698
Type of gen. func.: ogf

$$\frac{42 x^{5} - 252 x^{4} + 616 x^{3} - 770 x^{2} + 495 x - 132}{(x - 1)^{7}}$$

Sequence: A064059
Score: 6.09158
Type of gen. func.: ogf

$$\{(n^2 + 17 n + 42) a(n + 1) + (-n^2 - 11 n - 18) a(n + 2), a(0) = 132, a(1) = 429\}$$

Sequence: A064059
Score: 7.97641
Type of gen. func.: lgdogf

$$-\frac{84 x^5 - 546 x^4 + 1456 x^3 - 2002 x^2 + 1430 x - 429}{(x - 1) (42 x^5 - 252 x^4 + 616 x^3 - 770 x^2 + 495 x - 132)}$$

Sequence: A064061
Score: 5.01891
Type of gen. func.: ogf

$$\frac{132 x^6 - 924 x^5 + 2730 x^4 - 4368 x^3 + 4004 x^2 - 2002 x + 429}{(x - 1)^8}$$

Sequence: A064061
Score: 6.06938
Type of gen. func.: ogf

$$\{(n^2 + 19 n + 48) a(n + 1) + (-n^2 - 12 n - 20) a(n + 2), a(0) = 429, a(1) = 1430\}$$

Sequence: A064061
Score: 6.41011
Type of gen. func.: lgdogf

$$-\frac{2 (132 x^6 - 990 x^5 + 3150 x^4 - 5460 x^3 + 5460 x^2 - 3003 x + 715)}{(x - 1) (132 x^6 - 924 x^5 + 2730 x^4 - 4368 x^3 + 4004 x^2 - 2002 x + 429)}$$

Sequence: A064062

Score: 11.1278
Type of gen. func.: ogf

$$-f(x)^2 x - f(x)^2 + 3 f(x) - 2$$

Sequence: A064062
Score: 13.6287
Type of gen. func.: lgdogf

$$-\frac{-1 + 8 x + 3 (1 - 8 x)^{1/2}}{2 (x + 1) (8 x - 1)}$$

Sequence: A064062
Score: 20.6780
Type of gen. func.: revogf

$$\frac{(3 - x + (x^2 - 6 x + 1)^{1/2}) x}{4}$$

Sequence: A064062
Score: 4.05315
Type of gen. func.: ogf

$\{(8 n + 12) a(n + 1) + (7 n + 9) a(n + 2) + (-3 - n) a(n + 3), a(0) = 1,$

$a(1) = 1, a(2) = 3\}$

Sequence: A064063
Score: 12.2379
Type of gen. func.: lgdogf

$$-\frac{-1 + 12 x + 5 (1 - 12 x)^{1/2}}{2 (x + 2) (-1 + 12 x)}$$

Sequence: A064063
Score: 13.3196
Type of gen. func.: ogf

$$-f(x)^2 x - 2 f(x)^2 + 5 f(x) - 3$$

Sequence: A064063
Score: 19.1727
Type of gen. func.: revogf

$$\frac{(5 - x + (x^2 - 10 x + 1)^{1/2}) x}{6}$$

Sequence: A064063
Score: 4.75699
Type of gen. func.: ogf

{(12 n + 18) a(n + 1) + (23 n + 33) a(n + 2) + (-2 n - 6) a(n + 3), a(0) = 1,

a(1) = 1, a(2) = 4}

Sequence: A064087
Score: 11.6525
Type of gen. func.: lgdogf

$$- \frac{-1 + 16 x + 7 (1 - 16 x)^{1/2}}{2 (x + 3) (-1 + 16 x)}$$

Sequence: A064087
Score: 12.8977
Type of gen. func.: ogf

$$-f(x)^2 x - 3 f(x)^2 + 7 f(x) - 4$$

Sequence: A064087
Score: 18.2555
Type of gen. func.: revogf

$$\frac{(7 - x + (x^2 - 14 x + 1)^{1/2}) x}{8}$$

Sequence: A064087
Score: 4.60632
Type of gen. func.: ogf

{(16 n + 24) a(n + 1) + (47 n + 69) a(n + 2) + (-3 n - 9) a(n + 3), a(0) = 1,

a(1) = 1, a(2) = 5}

Sequence: A064088
Score: 11.0695
Type of gen. func.: lgdogf

$$-\frac{-1 + 20 x + 9 (1 - 20 x)^{1/2}}{2 (x + 4) (-1 + 20 x)}$$

Sequence: A064088
Score: 16.7828
Type of gen. func.: revogf

$$\frac{(9 - x + (x^2 - 18 x + 1)^{1/2}) x}{10}$$

Sequence: A064088
Score: 3.40915
Type of gen. func.: ogf

{(20 n + 30) a(n + 1) + (79 n + 117) a(n + 2) + (-4 n - 12) a(n + 3), a(0) = 1,

a(1) = 1, a(2) = 6}

Sequence: A064088
Score: 9.66961
Type of gen. func.: ogf

$$-f(x)^2 x - 4 f(x)^2 + 9 f(x) - 5$$

Sequence: A064089
Score: 14.9629

Type of gen. func.: revogf

$$\frac{(11 - x + (x^2 - 22 x + 1)^{1/2}) x}{12}$$

Sequence: A064089
Score: 3.12194
Type of gen. func.: ogf

$\{(24 n + 36) a(n + 1) + (119 n + 177) a(n + 2) + (-5 n - 15) a(n + 3), a(0) = 1,$

$a(1) = 1, a(2) = 7\}$

Sequence: A064089
Score: 8.75261
Type of gen. func.: ogf

$$-f(x)^2 x - 5 f(x)^2 + 11 f(x) - 6$$

Sequence: A064089
Score: 9.97526
Type of gen. func.: lgdogf

$$-\frac{-1 + 24 x + 11 (1 - 24 x)^{1/2}}{2 (x + 5) (-1 + 24 x)}$$

Sequence: A064090
Score: 10.3884
Type of gen. func.: lgdogf

$$-\frac{-1 + 28 x + 13 (1 - 28 x)^{1/2}}{2 (x + 6) (-1 + 28 x)}$$

Sequence: A064090
Score: 15.5827
Type of gen. func.: revogf

2 1/2

$$\frac{(13 - x + (x - 26 x + 1)) x}{14}$$

Sequence: A064090
Score: 3.24827
Type of gen. func.: ogf

{(28 n + 42) a(n + 1) + (167 n + 249) a(n + 2) + (-6 n - 18) a(n + 3), a(0) = 1,

a(1) = 1, a(2) = 8}

Sequence: A064090
Score: 9.10676
Type of gen. func.: ogf

$$-f(x)^2 x - 6 f(x)^2 + 13 f(x) - 7$$

Sequence: A064091
Score: 11.3328
Type of gen. func.: lgdogf

$$-\frac{32 x - 1 + 15 (1 - 32 x)^{1/2}}{2 (x + 7) (32 x - 1)}$$

Sequence: A064091
Score: 16.2910
Type of gen. func.: revogf

$$\frac{(15 - x + (x^2 - 30 x + 1)^{1/2}) x}{16}$$

Sequence: A064091
Score: 3.39263
Type of gen. func.: ogf

{(32 n + 48) a(n + 1) + (223 n + 333) a(n + 2) + (-7 n - 21) a(n + 3), a(0) = 1,

a(1) = 1, a(2) = 9}

Sequence: A064091
Score: 9.5115
Type of gen. func.: ogf

$$-f(x)^2 x - 7 f(x)^2 + 15 f(x) - 8$$

Sequence: A064092
Score: 11.2148
Type of gen. func.: lgdogf

$$-\frac{-1 + 36 x + 17 (1 - 36 x)^{1/2}}{2 (x + 8) (-1 + 36 x)}$$

Sequence: A064092
Score: 16.8222
Type of gen. func.: revogf

$$\frac{(17 - x + (x^2 - 34 x + 1)^{1/2}) x}{18}$$

Sequence: A064092
Score: 3.47875
Type of gen. func.: ogf

$$\{(36 n + 54) a(n + 1) + (287 n + 429) a(n + 2) + (-8 n - 24) a(n + 3), a(0) = 1,$$
$$a(1) = 1, a(2) = 10\}$$

Sequence: A064092
Score: 9.81506
Type of gen. func.: ogf

$$-f(x)^2 x - 8 f(x)^2 + 17 f(x) - 9$$

Sequence: A064093
Score: 11.5689
Type of gen. func.: lgdogf

$$-\frac{-1 + 40 x + 19 (1 - 40 x)^{1/2}}{2 (x + 9) (-1 + 40 x)}$$

Sequence: A064093
Score: 17.3534
Type of gen. func.: revogf

$$\frac{(19 - x + (x^2 - 38 x + 1)^{1/2}) x}{20}$$

Sequence: A064093
Score: 3.58634
Type of gen. func.: ogf

{(40 n + 60) a(n + 1) + (359 n + 537) a(n + 2) + (-9 n - 27) a(n + 3), a(0) = 1,

a(1) = 1, a(2) = 11}

Sequence: A064093
Score: 9.9411
Type of gen. func.: ogf

$$-f(x)^2 x - 9 f(x)^2 + 19 f(x) - 10$$

Sequence: A064096
Score: 11.8759
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 + 20 x^2 + 32 x + 7)}{(x - 1) (2 x + 1) (x^2 + 8 x + 1)}$$

Sequence: A064096
Score: 3.89185
Type of gen. func.: ogf

(140670 f(x) + 1366169) (

$$f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - 2\,x^3 - 4\,f(x)\,x - 17\,x^2 + f(x) - 10\,x - 1$$

$$)$$

Sequence: A064096
Score: 7.38959
Type of gen. func.: ogf

$$\frac{(2\,x + 1)\,(x^2 + 8\,x + 1)}{(x - 1)^4}$$

Sequence: A064099
Score: 12.3842
Type of gen. func.: lgdogf

$$\frac{39\,x^{40} - 40\,x^{39} + 12\,x^{13} - 13\,x^{12} + 3\,x^4 - 4\,x^3 - 2}{(x - 1)\,(x^{40} + x^{13} + x^4 + x + 1)}$$

Sequence: A064099
Score: 14.8389
Type of gen. func.: ogf

$$-\frac{x^{40} + x^{13} + x^4 + x + 1}{x - 1}$$

Sequence: A064100
Score: 3.72544
Type of gen. func.: ogf

$$-(93667477722774669351\,f(x) - 922742574227920100)\,(10000\,f(x)\,x^4$$

$$- 20200\,f(x)\,x^3 + 10401\,f(x)\,x^2 - 202\,f(x)\,x + 100\,x^2 + f(x) - 1)$$

Sequence: A064100
Score: 4.96981

Type of gen. func.: ogf

$$-\frac{(10 x - 1) (10 x + 1)}{(100 x - 1)^2 (x - 1)^2}$$

Sequence: A064100
Score: 6.65450
Type of gen. func.: lgdogf

$$-\frac{2 (10000 x^3 - 300 x + 101)}{(x - 1) (10 x + 1) (100 x - 1) (10 x - 1)}$$

Sequence: A064108
Score: 12.5723
Type of gen. func.: ogf

$$-20 f(x) x^2 + 21 f(x) x - f(x) + x$$

Sequence: A064108
Score: 12.8911
Type of gen. func.: revogf

$$-\frac{-21 x - 1 + (361 x^2 + 42 x + 1)^{1/2}}{40 x}$$

Sequence: A064108
Score: 14.9755
Type of gen. func.: ogf

$$\frac{x}{(-1 + 20 x) (x - 1)}$$

Sequence: A064108
Score: 19.0979
Type of gen. func.: lgdogf

$$-21 + 40 x$$

$$-\frac{}{(-1 + 20 x) (x - 1)}$$

Sequence: A064108
Score: 6.31499
Type of gen. func.: ogf

$$\{a(n + 2) - 21 a(n + 1) + 20 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A064163
Score: 7.9017
Type of gen. func.: ogf

$$(f(x) - 1)^2 (-2603658750 x^4 + f(x) - 1)$$

Sequence: A064170
Score: 10.9159
Type of gen. func.: ogf

$$-\frac{x^3 + 2 x^2 - 7 x + 1}{(x - 1) (x^2 - 7 x + 1)}$$

Sequence: A064170
Score: 5.66314
Type of gen. func.: ogf

$$\{-a(n + 4) + 8 a(n + 3) - 8 a(n + 2) + a(n + 1), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 10\}$$

Sequence: A064170
Score: 6.12357
Type of gen. func.: ogf

$$-(2 f(x) - 3) (f(x) x^3 - 8 f(x) x^2 + x^3 + 8 f(x) x + 2 x^2 - f(x) - 7 x + 1)$$

Sequence: A064170

Score: 9.17945
Type of gen. func.: lgdogf

```
                             4       3       2
                         10 x  - 30 x  + 46 x  - 12 x + 1
                 - ---------------------------------------------
                             2              3      2
                   (x - 1) (x  - 7 x + 1) (x  + 2 x  - 7 x + 1)
```

Sequence: A064195
Score: 4.79115
Type of gen. func.: ogf

```
                      2      4        3       2
                   9 x  (22 x  - 109 x  + 63 x  + 1013 x + 91)
                 - --------------------------------------------
                                                7
                                    (x - 1)
```

Sequence: A064195
Score: 8.34768
Type of gen. func.: lgdogf

```
                            4       3      2
                     6 (11 x  - 58 x  - 2 x  + 1034 x + 275)
                - -----------------------------------------------
                               4        3       2
                  (x - 1) (22 x  - 109 x  + 63 x  + 1013 x + 91)
```

Sequence: A064197
Score: 29.5354
Type of gen. func.: lgdogf

```
                                     7 + 8 x
                              - -----------------
                                (2 x + 1) (x - 1)
```

Sequence: A064197
Score: 4.37629
Type of gen. func.: ogf

```
{(n + 1) a(n + 3) + (-7 + n) a(n + 2) + (-2 n - 6) a(n + 1), a(0) = 0, a(1) = 0,

    a(2) = 324}
```

Sequence: A064197

Score: 7.90895
Type of gen. func.: ogf

$$-\frac{324 x^2 (2 x + 1)}{(x - 1)^5}$$

Sequence: A064198
Score: 16.4827
Type of gen. func.: lgdogf

$$-\frac{3 (2 x^2 - 4 x - 13)}{(x - 1) (2 x^2 - 4 x - 7)}$$

Sequence: A064198
Score: 7.21810
Type of gen. func.: ogf

$$\frac{12 x^2 (2 x^2 - 4 x - 7)}{(x - 1)^5}$$

Sequence: A064199
Score: 14.0484
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - 3 x^2 - 21 x - 7)}{(x - 1) (x^3 - 3 x^2 - 9 x - 1)}$$

Sequence: A064199
Score: 3.58706
Type of gen. func.: ogf

$$\{(n^2 + 9 n + 14) a(n + 1) + (10 n^2 + 78 n + 152) a(n + 2)$$

$$+ (-11 n^2 - 39 n - 34) a(n + 3), a(0) = 0, a(1) = 9, a(2) = 126\}$$

Sequence: A064199
Score: 7.05841
Type of gen. func.: ogf

$$\frac{9 x (x^3 - 3 x^2 - 9 x - 1)}{(x - 1)^5}$$

Sequence: A064200
Score: 10.1066
Type of gen. func.: ogf

$$f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 24 x^2 - f(x)$$

Sequence: A064200
Score: 15.6377
Type of gen. func.: ogf

$$- \frac{24 x^2}{(x - 1)^3}$$

Sequence: A064200
Score: 6.48047
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 0, a(2) = 24\}$$

Sequence: A064200
Score: 88.9942
Type of gen. func.: lgdogf

$$- \frac{3}{x - 1}$$

Sequence: A064201
Score: 12.4180

Type of gen. func.: ogf

$$-\frac{9 x (5 x + 1)}{(x - 1)^3}$$

Sequence: A064201
Score: 29.5554
Type of gen. func.: lgdogf

$$-\frac{2 (4 + 5 x)}{(5 x + 1) (x - 1)}$$

Sequence: A064201
Score: 6.15592
Type of gen. func.: ogf

$$-(540 f(x) - 9331) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 45 x^2 - f(x) + 9 x)$$

Sequence: A064201
Score: 6.43074
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 9, a(2) = 72\}$$

Sequence: A064202
Score: 12.9978
Type of gen. func.: lgdogf

$$-\frac{8 x^3 + 41 x^2 + 74 x + 17}{(x - 1) (2 x^3 + 7 x^2 + 10 x + 1)}$$

Sequence: A064202
Score: 3.41964
Type of gen. func.: ogf

$$\{(55 n^2 + 303 n + 332) a(n + 1) + (124 n^2 + 1758 n + 3674) a(n + 2)$$

$+ (-179 n^2 - 657 n - 598) a(n + 3), a(0) = 0, a(1) = 2, a(2) = 34\}$

Sequence: A064202
Score: 5.94586
Type of gen. func.: ogf

$$-\frac{2 x (2 x^3 + 7 x^2 + 10 x + 1)}{(x - 1)^7}$$

Sequence: A064203
Score: 3.69242
Type of gen. func.: ogf

$$\frac{4 x^2 (2 x^5 + 25 x^4 + 135 x^3 + 230 x^2 + 145 x + 23)}{(x - 1)^{10}}$$

Sequence: A064203
Score: 7.18673
Type of gen. func.: lgdogf

$$-\frac{5 (2 x^5 + 32 x^4 + 209 x^3 + 449 x^2 + 353 x + 75)}{(x - 1) (2 x^5 + 25 x^4 + 135 x^3 + 230 x^2 + 145 x + 23)}$$

Sequence: A064204
Score: 4.15129
Type of gen. func.: ogf

$$\frac{x^2 (20 x^6 - 59 x^5 + 70 x^4 + 45 x^3 + 120 x^2 + 80 x + 4)}{(x - 1)^{10}}$$

Sequence: A064204
Score: 5.99158
Type of gen. func.: lgdogf

$$-\frac{5\,(16\,x^6-35\,x^5+25\,x^4+119\,x^3+219\,x^2+192\,x+24)}{(x-1)\,(20\,x^6-59\,x^5+70\,x^4+45\,x^3+120\,x^2+80\,x+4)}$$

Sequence: A064206
Score: 4.70197
Type of gen. func.: ogf

$$(x^{16}-x^{15}-5\,x^{12}+4\,x^{11}+x^9+x^8+7\,x^7-4\,x^6+x^5+x^4-4\,x^3-2\,x^2+x+5)\Big/\left((x^2-x+1)\,(x^2+x+1)\,(x+1)\,(x-1)^2\right)$$

Sequence: A064225
Score: 13.2433
Type of gen. func.: ogf

$$-\frac{3\,x^2+5\,x+1}{(x-1)^3}$$

Sequence: A064225
Score: 22.6437
Type of gen. func.: lgdogf

$$-\frac{3\,x^2+16\,x+8}{(x-1)\,(3\,x^2+5\,x+1)}$$

Sequence: A064225
Score: 6.51487
Type of gen. func.: ogf

$$-(80433\,f(x)-248881)\,(f(x)\,x^3-3\,f(x)\,x^2+3\,f(x)\,x+3\,x^2-f(x)+5\,x+1)$$

Sequence: A064225
Score: 7.14905

Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 1,\ a(1) = 8,\ a(2) = 24\}$$

Sequence: A064226
Score: 13.3689
Type of gen. func.: ogf

$$-\frac{x^2 + 5x + 3}{(x-1)^3}$$

Sequence: A064226
Score: 25.0058
Type of gen. func.: lgdogf

$$-\frac{x^2 + 12x + 14}{(x-1)(x^2 + 5x + 3)}$$

Sequence: A064226
Score: 6.85295
Type of gen. func.: ogf

$$(19197 f(x) - 87731)(f(x)\,x^3 - 3 f(x)\,x^2 + 3 f(x)\,x + x^2 - f(x) + 5x + 3)$$

Sequence: A064226
Score: 7.15351
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 3,\ a(1) = 14,\ a(2) = 34\}$$

Sequence: A064235
Score: 10.3646
Type of gen. func.: lgdogf

$$\frac{3(468x^{27} - 486x^{26} + 48x^9 - 54x^8 + 4x^3 - 6x^2 - 1)}{{}^{27}\quad {}^{9}\quad {}^{3}}$$

$$(x - 1) (54 x + 18 x + 6 x + 2 x + 1)$$

Sequence: A064235
Score: 14.0328
Type of gen. func.: ogf

$$-\frac{54 x^{27} + 18 x^{9} + 6 x^{3} + 2 x + 1}{x - 1}$$

Sequence: A064302
Score: 5.66909
Type of gen. func.: ogf

$$-\frac{6 x^{4} + 111 x^{3} + 181 x^{2} + 37 x + 1}{(x - 1)^{5}}$$

Sequence: A064302
Score: 8.26682
Type of gen. func.: lgdogf

$$-\frac{6 (x^{4} + 41 x^{3} + 146 x^{2} + 85 x + 7)}{(x - 1) (6 x^{4} + 111 x^{3} + 181 x^{2} + 37 x + 1)}$$

Sequence: A064303
Score: 4.63950
Type of gen. func.: ogf

$$\frac{18 x^{5} + 741 x^{4} + 2624 x^{3} + 1530 x^{2} + 126 x + 1}{(x - 1)^{6}}$$

Sequence: A064303
Score: 5.93742
Type of gen. func.: lgdogf

5 4 3 2

$$-\frac{6\,(3\,x + 262\,x + 1806\,x + 2332\,x + 615\,x + 22)}{(x-1)\,(18\,x^5 + 741\,x^4 + 2624\,x^3 + 1530\,x^2 + 126\,x + 1)}$$

Sequence: A064304
Score: 3.62748
Type of gen. func.: ogf

$$-\frac{57\,x^6 + 4950\,x^5 + 34063\,x^4 + 43940\,x^3 + 11607\,x^2 + 422\,x + 1}{(x-1)^7}$$

Sequence: A064305
Score: 2.95643
Type of gen. func.: ogf

$$(186\,x^7 + 33337\,x^6 + 412698\,x^5 + 1013799\,x^4 + 616894\,x^3 + 83823\,x^2 + 1422\,x + 1) \Big/ (x-1)^8$$

Sequence: A064306
Score: 14.1570
Type of gen. func.: revogf

$$\frac{-1 + x - 4\,x^2 + (9\,x^2 - 2\,x + 1)^{1/2}}{4\,x^2}$$

Sequence: A064306
Score: 3.80565
Type of gen. func.: ogf

$$\{(-8\,n - 20)\,a(n+1) + (-7\,n - 16)\,a(n+2) + (n+4)\,a(n+3),\ a(0) = 1,\ a(1) = 1,\ a(2) = 7\}$$

Sequence: A064306
Score: 6.08904
Type of gen. func.: ogf

$$2 x^3 f(x)^2 + 4 f(x)^2 x^2 + 2 f(x)^2 x - f(x) x - f(x) + 1$$

Sequence: A064310
Score: 10.189
Type of gen. func.: ogf

$$f(x)^2 x - 2 f(x)^2 + 3 f(x) - 1$$

Sequence: A064310
Score: 13.9633
Type of gen. func.: lgdogf

$$- \frac{1 + 4 x + 3 (1 + 4 x)^{1/2}}{2 (1 + 4 x) (x - 2)}$$

Sequence: A064310
Score: 18.9180
Type of gen. func.: revogf

$$- \frac{(-3 - x + (x^2 + 6 x + 1)^{1/2}) x}{2}$$

Sequence: A064310
Score: 3.76103
Type of gen. func.: ogf

$\{(4 n + 6) a(n + 1) + (-7 n - 9) a(n + 2) + (-2 n - 6) a(n + 3), a(0) = 1,$

$a(1) = 1, a(2) = 0\}$

Sequence: A064311
Score: 12.9030
Type of gen. func.: lgdogf

$$- \frac{1 + 8 x + 5 (1 + 8 x)^{1/2}}{2 (1 + 8 x) (x - 3)}$$

Sequence: A064311
Score: 16.9351
Type of gen. func.: revogf

$$-\frac{(-5 - x + (x^2 + 10 x + 1)^{1/2}) x}{4}$$

Sequence: A064311
Score: 3.42259
Type of gen. func.: ogf

{(8 n + 12) a(n + 1) + (-23 n - 33) a(n + 2) + (-3 n - 9) a(n + 3), a(0) = 1,

a(1) = 1, a(2) = -1}

Sequence: A064311
Score: 9.52105
Type of gen. func.: ogf

$$f(x)^2 x - 3 f(x)^2 + 5 f(x) - 2$$

Sequence: A064317
Score: 5.89714
Type of gen. func.: ogf

$$\frac{x^{29} - x^{28} + x^{24} - x^{23} + x^{19} - x^{18} + x^{14} - x^{13} + x^{10} + x^7 + x^5 + x^3 + 1}{(x^2 - x + 1) (x^2 + x + 1) (x + 1) (x - 1)^2}$$

Sequence: A064321
Score: 4.03368
Type of gen. func.: ogf

$\{(-n^3 - n^2) a(n) + (n^3 - 7 n^2 + 16 n - 12) a(n + 1), a(0) = 0, a(1) = 0,$

$a(2) = 0, a(3) = 0, a(4) = 864\}$

Sequence: A064321
Score: 4.05970
Type of gen. func.: ogf

$$-\frac{288 x^{4} (3 x^{4} + 33 x^{3} + 68 x^{2} + 33 x + 3)}{(x - 1)^{9}}$$

Sequence: A064321
Score: 9.25373
Type of gen. func.: lgdogf

$$-\frac{5 (3 x^{4} + 42 x^{3} + 115 x^{2} + 80 x + 12)}{(x - 1) (3 x^{4} + 33 x^{3} + 68 x^{2} + 33 x + 3)}$$

Sequence: A064322
Score: 4.91330
Type of gen. func.: ogf

$$-\frac{x (x^{6} + 12 x^{5} + 78 x^{4} + 133 x^{3} + 78 x^{2} + 12 x + 1)}{(x - 1)^{9}}$$

Sequence: A064322
Score: 5.66097
Type of gen. func.: ogf

$$\{(-n^{3} - 10 n^{2} - 35 n - 42) a(n + 1) + (n^{3} + 2 n^{2} + 3 n + 2) a(n + 2), a(0) = 0,$$

$$a(1) = 1\}$$

Sequence: A064322
Score: 8.20332
Type of gen. func.: lgdogf

$$-\frac{3 (x^{6} + 18 x^{5} + 150 x^{4} + 370 x^{3} + 315 x^{2} + 84 x + 7)}{(x - 1) (x^{6} + 12 x^{5} + 78 x^{4} + 133 x^{3} + 78 x^{2} + 12 x + 1)}$$

Sequence: A064325
Score: 12.5821
Type of gen. func.: lgdogf

$$-\frac{1 + 12 x + 7 (1 + 12 x)^{1/2}}{2 (1 + 12 x) (x - 4)}$$

Sequence: A064325
Score: 14.0812
Type of gen. func.: ogf

$$f(x)^2 x - 4 f(x)^2 + 7 f(x) - 3$$

Sequence: A064325
Score: 17.6935
Type of gen. func.: revogf

$$-\frac{(-7 - x + (x^2 + 14 x + 1)^{1/2}) x}{6}$$

Sequence: A064325
Score: 4.99655
Type of gen. func.: ogf

$$\{(-12 n - 18) a(n + 1) + (47 n + 69) a(n + 2) + (4 n + 12) a(n + 3), a(0) = 1, a(1) = 1, a(2) = -2\}$$

Sequence: A064326
Score: 12.6284
Type of gen. func.: lgdogf

$$-\frac{1 + 16 x + 9 (1 + 16 x)^{1/2}}{2 (1 + 16 x) (x - 5)}$$

Sequence: A064326
Score: 12.787
Type of gen. func.: ogf

$$f(x)^2 x - 5 f(x)^2 + 9 f(x) - 4$$

Sequence: A064326
Score: 17.7587
Type of gen. func.: revogf

$$-\frac{(-9 - x + (x^2 + 18 x + 1)^{1/2}) x}{8}$$

Sequence: A064326
Score: 4.50823
Type of gen. func.: ogf

{(-16 n - 24) a(n + 1) + (79 n + 117) a(n + 2) + (5 n + 15) a(n + 3), a(0) = 1,

a(1) = 1, a(2) = -3}

Sequence: A064327
Score: 11.6243
Type of gen. func.: lgdogf

$$-\frac{1 + 20 x + 11 (1 + 20 x)^{1/2}}{2 (1 + 20 x) (x - 6)}$$

Sequence: A064327
Score: 12.0364
Type of gen. func.: ogf

$$f(x)^2 x - 6 f(x)^2 + 11 f(x) - 5$$

Sequence: A064327
Score: 15.7270
Type of gen. func.: revogf

$$-\frac{(-11 - x + (x^2 + 22 x + 1)^{1/2}) x}{10}$$

Sequence: A064327
Score: 4.29324
Type of gen. func.: ogf

$\{(-20 n - 30) a(n + 1) + (119 n + 177) a(n + 2) + (6 n + 18) a(n + 3), a(0) = 1,$

$a(1) = 1, a(2) = -4\}$

Sequence: A064328
Score: 10.7169
Type of gen. func.: lgdogf

$$-\frac{1 + 24 x + 13 (1 + 24 x)^{1/2}}{2 (1 + 24 x) (x - 7)}$$

Sequence: A064328
Score: 14.4994
Type of gen. func.: revogf

$$-\frac{(-13 - x + (x^2 + 26 x + 1)^{1/2}) x}{12}$$

Sequence: A064328
Score: 3.06781
Type of gen. func.: ogf

$\{(-24 n - 36) a(n + 1) + (167 n + 249) a(n + 2) + (7 n + 21) a(n + 3), a(0) = 1,$

$a(1) = 1, a(2) = -5\}$

Sequence: A064328
Score: 8.60083
Type of gen. func.: ogf

$$f(x)^2 x - 7 f(x)^2 + 13 f(x) - 6$$

Sequence: A064329
Score: 11.2712
Type of gen. func.: lgdogf

$$-\frac{1 + 28 x + 15 (1 + 28 x)^{1/2}}{2 (1 + 28 x) (x - 8)}$$

Sequence: A064329
Score: 15.2493
Type of gen. func.: revogf

$$-\frac{(-15 - x + (x^2 + 30 x + 1)^{1/2}) x}{14}$$

Sequence: A064329
Score: 3.23022
Type of gen. func.: ogf

$$\{(-28 n - 42) a(n + 1) + (223 n + 333) a(n + 2) + (8 n + 24) a(n + 3), a(0) = 1, a(1) = 1, a(2) = -6\}$$

Sequence: A064329
Score: 9.05616
Type of gen. func.: ogf

$$f(x)^2 x - 8 f(x)^2 + 15 f(x) - 7$$

Sequence: A064330
Score: 11.7640
Type of gen. func.: lgdogf

$$-\frac{1 + 32 x + 17 (1 + 32 x)^{1/2}}{2 (1 + 32 x) (x - 9)}$$

Sequence: A064330
Score: 15.9160
Type of gen. func.: revogf

$$-\frac{\left(-17 - x + \left(x^2 + 34 x + 1\right)^{1/2}\right) x}{16}$$

Sequence: A064330
Score: 3.37459
Type of gen. func.: ogf

$\{(-32 n - 48) a(n + 1) + (287 n + 429) a(n + 2) + (9 n + 27) a(n + 3), a(0) = 1,$

$a(1) = 1, a(2) = -7\}$

Sequence: A064330
Score: 9.46091
Type of gen. func.: ogf

$$f(x)^2 x - 9 f(x)^2 + 17 f(x) - 8$$

Sequence: A064331
Score: 11.8151
Type of gen. func.: lgdogf

$$-\frac{1 + 36 x + 19 (1 + 36 x)^{1/2}}{2 (1 + 36 x) (x - 10)}$$

Sequence: A064331
Score: 16.3326
Type of gen. func.: revogf

$$-\frac{\left(-19 - x + \left(x^2 + 38 x + 1\right)^{1/2}\right) x}{18}$$

Sequence: A064331
Score: 3.44289
Type of gen. func.: ogf

$\{(-36 n - 54) a(n + 1) + (359 n + 537) a(n + 2) + (10 n + 30) a(n + 3),$

$a(0) = 1, a(1) = 1, a(2) = -8\}$

Sequence: A064331
Score: 9.54346
Type of gen. func.: ogf

$$f(x)^2 x - 10 f(x)^2 + 19 f(x) - 9$$

Sequence: A064332
Score: 12.1768
Type of gen. func.: lgdogf

$$-\frac{1 + 40 x + 21 (1 + 40 x)^{1/2}}{2 (1 + 40 x) (x - 11)}$$

Sequence: A064332
Score: 16.8326
Type of gen. func.: revogf

$$-\frac{(-21 - x + (x^2 + 42 x + 1)^{1/2}) x}{20}$$

Sequence: A064332
Score: 3.55048
Type of gen. func.: ogf

$\{(-40 n - 60) a(n + 1) + (439 n + 657) a(n + 2) + (11 n + 33) a(n + 3),$

$a(0) = 1, a(1) = 1, a(2) = -9\}$

Sequence: A064332
Score: 9.672
Type of gen. func.: ogf

$$f(x)^2 x - 11 f(x)^2 + 21 f(x) - 10$$

Sequence: A064333
Score: 12.4782
Type of gen. func.: lgdogf

$$-\frac{1 + 44 x + 23 (1 + 44 x)^{1/2}}{2 (1 + 44 x) (x - 12)}$$

Sequence: A064333
Score: 17.2492
Type of gen. func.: revogf

$$-\frac{(-23 - x + (x^2 + 46 x + 1)^{1/2}) x}{22}$$

Sequence: A064333
Score: 3.61725
Type of gen. func.: ogf

$$\{(-44 n - 66) a(n + 1) + (527 n + 789) a(n + 2) + (12 n + 36) a(n + 3), a(0) = 1, a(1) = 1, a(2) = -10\}$$

Sequence: A064333
Score: 9.91625
Type of gen. func.: ogf

$$f(x)^2 x - 12 f(x)^2 + 23 f(x) - 11$$

Sequence: A064335
Score: 3.79767
Type of gen. func.: ogf

$$\{(-4 n^3 - 26 n^2 - 54 n - 36) a(n + 1) + (n + 4) a(n + 2), a(0) = 3, a(1) = 4\}$$

Sequence: A064340
Score: 5.70485
Type of gen. func.: ogf

$$-4 f(x)^2 x^2 - 4 f(x)^2 x - f(x)^2 + 13 f(x) x + 2 f(x) - 9 x - 1$$

Sequence: A064340
Score: 6.87036
Type of gen. func.: lgdogf

$$\frac{-5 + 98 x - 288 x^2 + 3 (-(16 x - 1) (-1 + 26 x)^2)^{1/2}}{2 (1 + 2 x) (9 x + 1) (16 x - 1)}$$

Sequence: A064341
Score: 5.34841
Type of gen. func.: ogf

$$9 f(x)^2 x^2 + 12 f(x)^2 x + 4 f(x)^2 - 37 f(x) x - 8 f(x) + 25 x + 4$$

Sequence: A064341
Score: 5.96292
Type of gen. func.: lgdogf

$$\frac{-26 + 1011 x - 2700 x^2 + 5 (-(-1 + 36 x) (-2 + 111 x)^2)^{1/2}}{2 (3 x + 2) (-1 + 36 x) (25 x + 4)}$$

Sequence: A064342
Score: 5.21247
Type of gen. func.: ogf

$$16 f(x)^2 x^2 + 24 f(x)^2 x + 9 f(x)^2 - 73 f(x) x - 18 f(x) + 49 x + 9$$

Sequence: A064342
Score: 5.86387
Type of gen. func.: lgdogf

$$\frac{-75 + 4996 x - 12544 x^2 + 7 (-(-1 + 64 x) (-3 + 292 x)^2)^{1/2}}{2 (4 x + 3) (-1 + 64 x) (49 x + 9)}$$

Sequence: A064343
Score: 4.75881
Type of gen. func.: ogf

$$25 f(x)^2 x^2 + 40 f(x)^2 x + 16 f(x)^2 - 121 f(x) x - 32 f(x) + 81 x + 16$$

Sequence: A064344
Score: 4.18697
Type of gen. func.: ogf

$$36 f(x)^2 x^2 + 60 f(x)^2 x + 25 f(x)^2 - 181 f(x) x - 50 f(x) + 121 x + 25$$

Sequence: A064345
Score: 4.4661
Type of gen. func.: ogf

$$49 f(x)^2 x^2 + 84 f(x)^2 x + 36 f(x)^2 - 253 f(x) x - 72 f(x) + 169 x + 36$$

Sequence: A064346
Score: 4.62463
Type of gen. func.: ogf

$$64 f(x)^2 x^2 + 112 f(x)^2 x + 49 f(x)^2 - 337 f(x) x - 98 f(x) + 225 x + 49$$

Sequence: A064347
Score: 4.78018
Type of gen. func.: ogf

$$81 f(x)^2 x^2 + 144 f(x)^2 x + 64 f(x)^2 - 433 f(x) x - 128 f(x) + 289 x + 64$$

Sequence: A064349
Score: 11.4220
Type of gen. func.: lgdogf

$$30 x^5 + 31 x^4 + 36 x^3 + 16 x^2 + 6 x + 1$$

$$- \frac{}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A064349
Score: 18.6243
Type of gen. func.: egf]_with_Euler_transform]

$$1 + 2 x + 3/2 x^2 + 2/3 x^3$$

Sequence: A064350
Score: 4.34231
Type of gen. func.: ogf

$$\{(27 n^2 + 81 n + 60) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 6\}$$

Sequence: A064352
Score: 19.4081
Type of gen. func.: revegf]

$$(-1 + (1 - 2 x)^{1/2}) (-1 + 2 x)$$

Sequence: A064352
Score: 4.65313
Type of gen. func.: ogf

$$\{(27 n^2 + 81 n + 60) a(n + 1) + (-4 n - 6) a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A064352
Score: 9.22603
Type of gen. func.: egf]

$$\mathrm{hypergeom}([1/3, 2/3], [1/2], \frac{27 x}{4})$$

Sequence: A064352
Score: 9.55553

Type of gen. func.: egf]

$$-27 f(x)^3 x + 4 f(x)^3 - 3 f(x) - 1$$

Sequence: A064378
Score: 5.00056
Type of gen. func.: ogf

$$\{4 n^2 a(n) + (2 n^2 + 4 n + 4) a(n + 1) + (-n - 2) a(n + 2), a(0) = 2, a(1) = 4\}$$

Sequence: A064385
Score: 10.7963
Type of gen. func.: revogf

$$- \frac{-7 - 6 x + (16 x^2 + 104 x + 49)^{1/2}}{10 (x - 1)}$$

Sequence: A064385
Score: 11.0580
Type of gen. func.: ogf

$$\frac{5 x + 7}{(5 x - 1) (x - 1)}$$

Sequence: A064385
Score: 12.1458
Type of gen. func.: lgdogf

$$- \frac{25 x^2 + 70 x - 47}{(x - 1) (5 x + 7) (5 x - 1)}$$

Sequence: A064385
Score: 5.59113
Type of gen. func.: ogf

$$(212 f(x) + 725) (5 f(x) x^2 - 6 f(x) x + f(x) - 5 x - 7)$$

Sequence: A064385
Score: 5.99530
Type of gen. func.: ogf

$$\{-a(n + 2) + 6\ a(n + 1) - 5\ a(n),\ a(0) = 7,\ a(1) = 47\}$$

Sequence: A064386
Score: 6.52616
Type of gen. func.: ogf

$$-\frac{8 x^8 - 2 x^5 - 2 x^4 - 4 x^3 + x^2 + x + 1}{(x - 1) (4 x^3 - 1) (2 x^3 - 1)}$$

Sequence: A064412
Score: 7.60310
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (3 x^3 + x^2 + 2 x + 1)}{(x^2 + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A064412
Score: 7.74858
Type of gen. func.: lgdogf

$$-\frac{9 x^8 + 22 x^7 + 50 x^6 + 58 x^5 + 76 x^4 + 58 x^3 + 40 x^2 + 18 x + 5}{(x - 1) (x + 1) (x^2 + 1) (3 x^3 + x^2 + 2 x + 1) (x^2 + x + 1)}$$

Sequence: A064416
Score: 2.24517
Type of gen. func.: ogf

$$(3 f(x) x^2 + f(x) x - f(x) + x + 1)^2$$

Sequence: A064429
Score: 13.6853
Type of gen. func.: ogf

$$\frac{x (2 x^2 - x + 2)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A064429
Score: 16.8599
Type of gen. func.: lgdogf

$$- \frac{4 x^4 - x^3 + 9 x^2 + 5 x + 1}{(x - 1) (x^2 + x + 1) (2 x^2 - x + 2)}$$

Sequence: A064429
Score: 5.45734
Type of gen. func.: ogf

{(n + 3) a(n + 1) + a(n + 2) + a(n + 3) + (-n - 2) a(n + 4), a(0) = 0, a(1) = 2,

a(2) = 1, a(3) = 3}

Sequence: A064429
Score: 7.6685
Type of gen. func.: ogf

$$(9 f(x) + 19) (f(x) x^4 - f(x) x^3 - 2 x^3 - f(x) x + x^2 + f(x) - 2 x)$$

Sequence: A064455
Score: 18.3286
Type of gen. func.: ogf

$$\frac{3 x + 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A064455

Score: 25.9116
Type of gen. func.: lgdogf

$$-\frac{9x^2+4x+3}{(x-1)(3x+1)(x+1)}$$

Sequence: A064455
Score: 4.55889
Type of gen. func.: ogf

$$\{(-n-4)a(n+4)+(-6-3n)a(n+3)+(6+n)a(n+2)$$
$$+(12+3n)a(n+1), a(0)=1, a(1)=3, a(2)=2, a(3)=6\}$$

Sequence: A064455
Score: 9.55425
Type of gen. func.: ogf

$$-(352 f(x)-1871)(f(x)x^4-2f(x)x^2+f(x)-3x-1)$$

Sequence: A064458
Score: 20.3485
Type of gen. func.: ogf

$$\frac{x^{11}}{(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A064458
Score: 9.76462
Type of gen. func.: lgdogf

$$-\frac{12x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1}{(x-1)(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A064459
Score: 20.2436
Type of gen. func.: ogf

$$\frac{x^{12}}{(x+1)\,(x^4-x^2+1)\,(x^2+x+1)\,(x^2-x+1)\,(x^2+1)\,(x-1)^2}$$

Sequence: A064459
Score: 9.00621
Type of gen. func.: lgdogf

$$-\frac{13\,x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1}{(x-1)\,(x^2+x+1)\,(x+1)\,(x^2-x+1)\,(x^2+1)\,(x^4-x^2+1)}$$

Sequence: A064487
Score: 4.15498
Type of gen. func.: ogf

$$\frac{20\,(128\,x+1)\,(16384\,x^2-32\,x+1)}{(1024\,x-1)\,(256\,x-1)\,(-1+64\,x)\,(16\,x-1)}$$

Sequence: A064488
Score: 6.27677
Type of gen. func.: ogf

$$x\,(x^{10}+x^8+x+1)\,(x^6+x^3+1)\;/\;((x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)\,(x-1)^2)$$

Sequence: A064506
Score: 6.23348
Type of gen. func.: ogf

$$x\,(x+1)\,(x^2+1)\,(x^2-x+1)\,(x^{11}+x^5+x^4-x^3-x^2+x+1)\;/\;((x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)\,(x-1)^2)$$

Sequence: A064551
Score: 4.39893
Type of gen. func.: ogf

$$-(6 f(x) - 5) (f(x) x^5 - 2 f(x) x^4 - f(x) x^3 - x^4 + 5 f(x) x^2 - x^3 - 4 f(x) x - 2 x^2 + f(x) + 3 x - 1)$$

Sequence: A064551
Score: 7.89916
Type of gen. func.: ogf

$$\frac{x^4 + x^3 + 2 x^2 - 3 x + 1}{(x^2 + x - 1) (x - 1)^3}$$

Sequence: A064551
Score: 9.35438
Type of gen. func.: lgdogf

$$-\frac{x^6 + 4 x^5 + 12 x^4 - 10 x^3 - 4 x^2 + 4 x - 1}{(x - 1) (x^2 + x - 1) (x^4 + x^3 + 2 x^2 - 3 x + 1)}$$

Sequence: A064583
Score: 3.42814
Type of gen. func.: ogf

$$- 48 x^2 (x + 1) (17 x^6 + 903 x^5 + 8415 x^4 + 19130 x^3 + 8415 x^2 + 903 x + 17) \Big/ (x - 1)^{11}$$

Sequence: A064598
Score: 4.85460
Type of gen. func.: ogf

$$-\frac{x^{36} - x^{34} - x^{33} + x^{24} + x^{22} - x^{12} - 1}{(x^{33} - x^{23} - x^{22} + x^{12} + 1)\,(x - 1)^{2}}$$

Sequence: A064613
Score: 24.4595
Type of gen. func.: revogf

$$\frac{x\,(x - 1)}{2\,x^{2} - 2\,x - 1}$$

Sequence: A064613
Score: 3.73333
Type of gen. func.: ogf

$$\{(-12\,n - 24)\,a(n + 1) + (8\,n + 22)\,a(n + 2) + (-n - 4)\,a(n + 3),\ a(0) = 1,\ a(1) = 3,\ a(2) = 10\}$$

Sequence: A064613
Score: 5.51539
Type of gen. func.: lgdogf

$$-\frac{2\,x - 1 - (6\,x - 1)^{1/2}\,(-1 + 2\,x)^{1/2} + 4\,(6\,x - 1)^{1/2}\,(-1 + 2\,x)^{1/2}\,x}{2\,(6\,x - 1)^{1/2}\,(-1 + 2\,x)^{3/2}\,x}$$

Sequence: A064613
Score: 7.46667
Type of gen. func.: ogf

$$2\,f(x)^{2}\,x^{2} - f(x)^{2}\,x - 2\,f(x)\,x + f(x) - 1$$

Sequence: A064616
Score: 10.3055
Type of gen. func.: ogf

$$\frac{100\,x - 9}{}$$

$$(x - 1) (10 x - 1)^2$$

Sequence: A064616
Score: 13.7621
Type of gen. func.: lgdogf

$$- \frac{2000 x^2 - 1270 x + 89}{(x - 1) (100 x - 9) (10 x - 1)}$$

Sequence: A064616
Score: 5.0683
Type of gen. func.: ogf

$$-(33829 f(x) - 68025)$$

$$(100 f(x) x^3 - 120 f(x) x^2 + 21 f(x) x - f(x) - 100 x + 9)$$

Sequence: A064616
Score: 5.15277
Type of gen. func.: ogf

$$\{-a(n + 3) + 21 a(n + 2) - 120 a(n + 1) + 100 a(n), a(0) = 9, a(1) = 89,$$
$$a(2) = 789\}$$

Sequence: A064617
Score: 12.2457
Type of gen. func.: ogf

$$\frac{10 x - 9}{(10 x - 1) (x - 1)^2}$$

Sequence: A064617
Score: 14.6862
Type of gen. func.: lgdogf

$$- \frac{2 (10 x - 7)^2}{(x - 1) (10 x - 9) (10 x - 1)}$$

Sequence: A064617
Score: 5.72136
Type of gen. func.: ogf

$$-(292553 f(x) + 1393500)$$

$$(10 f(x) x^3 - 21 f(x) x^2 + 12 f(x) x - f(x) - 10 x + 9)$$

Sequence: A064617
Score: 5.91530
Type of gen. func.: ogf

$$\{a(n + 3) - 12 a(n + 2) + 21 a(n + 1) - 10 a(n), a(0) = 9, a(1) = 98,$$

$$a(2) = 987\}$$

Sequence: A064633
Score: 4.31854
Type of gen. func.: ogf

$$\{(3 n^2 + 18 n + 24) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 9\}$$

Sequence: A064641
Score: 30.2597
Type of gen. func.: revogf

$$-\frac{x (x - 1)}{x^2 + x + 1}$$

Sequence: A064641
Score: 7.62725
Type of gen. func.: ogf

$$-f(x)^2 x^2 - f(x)^2 x - f(x) x + f(x) - 1$$

Sequence: A064671

Score: 6.65421
Type of gen. func.: lgdogf

$$-\frac{2\,(128\,x^5 - 280\,x^4 + 280\,x^3 - 172\,x^2 + 62\,x - 9)}{(x - 1)\,(-1 + 2\,x)\,(-1 + 4\,x)\,(16\,x^3 - 22\,x^2 + 12\,x - 3)}$$

Sequence: A064671
Score: 7.49966
Type of gen. func.: ogf

$$\frac{x\,(16\,x^3 - 22\,x^2 + 12\,x - 3)}{(-1 + 4\,x)\,(-1 + 2\,x)^2\,(x - 1)^2}$$

Sequence: A064680
Score: 14.8844
Type of gen. func.: ogf

$$\frac{x\,(2\,x^2 + x + 2)}{(x - 1)^2\,(x + 1)^2}$$

Sequence: A064680
Score: 19.8925
Type of gen. func.: lgdogf

$$-\frac{4\,x^3 + 3\,x^2 + 12\,x + 1}{(x - 1)\,(x + 1)\,(2\,x^2 + x + 2)}$$

Sequence: A064680
Score: 7.89523
Type of gen. func.: ogf

$\{(n + 3)\,a(n + 1) + (-n - 1)\,a(n + 3),\ a(0) = 0,\ a(1) = 2,\ a(2) = 1\}$

Sequence: A064680

Score: 8.90148
Type of gen. func.: ogf

$$-(2 f(x) - 11) (f(x) x^4 - 2 f(x) x^2 - 2 x^3 - x^2 + f(x) - 2 x)$$

Sequence: A064686
Score: 13.0324
Type of gen. func.: ogf

$$- \frac{x (3 x - 2)}{(3 x - 1) (-1 + 2 x)}$$

Sequence: A064686
Score: 15.3369
Type of gen. func.: lgdogf

$$- \frac{18 x^2 - 24 x + 7}{(3 x - 1) (-1 + 2 x) (3 x - 2)}$$

Sequence: A064686
Score: 16.1234
Type of gen. func.: revogf

$$- \frac{-2 - 5 x + (x^2 + 8 x + 4)^{1/2}}{6 (1 + 2 x)}$$

Sequence: A064686
Score: 6.32265
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 6 a(n + 1), a(0) = 0, a(1) = 2, a(2) = 7\}$$

Sequence: A064686
Score: 7.51279
Type of gen. func.: ogf

$$-f(x) (6 f(x) x^2 - 5 f(x) x + 3 x^2 + f(x) - 2 x)$$

Sequence: A064694
Score: 15.8481
Type of gen. func.: lgdogf

$$-\frac{10x^3+26x^2+15x+5}{(x-1)(x+1)(2x^2+4x+1)}$$

Sequence: A064694
Score: 8.51382
Type of gen. func.: ogf

$$\frac{2x^2+4x+1}{(x+1)^3(x-1)^4}$$

Sequence: A064717
Score: 6.06116
Type of gen. func.: ogf

$$(2x^{12}+2x^{11}+x^{10}+2x^9+x^8+2x^7+x^6+2x^5+x^4+2x^3+x^2+2x+1) / ((x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2)$$

Sequence: A064718
Score: 8.50665
Type of gen. func.: ogf

$$\frac{(x+1)(x^6+x^5+2x^4+x^3+2x^2+x+2)}{(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A064719
Score: 6.87364
Type of gen. func.: ogf

$$\frac{2x^{10}+2x^9+2x^8+2x^7+2x^6+2x^5+2x^4+2x^3+2x^2+2x+1}{(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A064720
Score: 6.75818
Type of gen. func.: ogf

$$\frac{x^{10}+2x^9+2x^8+2x^7+2x^6+2x^5+2x^4+2x^3+2x^2+2x+2}{(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x-1)^2}$$

Sequence: A064724
Score: 11.6026
Type of gen. func.: ogf

$$\frac{(x+1)(2x^3+x+1)}{(x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A064724
Score: 9.12980
Type of gen. func.: lgdogf

$$-\frac{4x^8+8x^7+8x^6+15x^5+13x^4+14x^3+10x^2+5x+3}{(x-1)(x+1)(2x^3+x+1)(x^4+x^3+x^2+x+1)}$$

Sequence: A064746
Score: 10.8508
Type of gen. func.: lgdogf

$$-\frac{448x^3-72x^2-24x-9}{(x-1)(8x-1)(56x^2-8x+1)}$$

Sequence: A064746
Score: 4.82033
Type of gen. func.: ogf

$$(168266 f(x) - 93503) (64 f(x) x^3 - 80 f(x) x^2 + 17 f(x) x + 56 x^2 - f(x) - 8 x + 1)$$

Sequence: A064746
Score: 5.10873
Type of gen. func.: ogf

$$\{a(n + 3) - 17 a(n + 2) + 80 a(n + 1) - 64 a(n), a(0) = 1, a(1) = 9, a(2) = 129\}$$

Sequence: A064746
Score: 9.19571
Type of gen. func.: ogf

$$-\frac{56 x^2 - 8 x + 1}{(x - 1) (8 x - 1)^2}$$

Sequence: A064747
Score: 10.9365
Type of gen. func.: lgdogf

$$-\frac{2 (324 x^3 - 45 x^2 - 18 x - 5)}{(x - 1) (9 x - 1) (72 x^2 - 9 x + 1)}$$

Sequence: A064747
Score: 4.91513
Type of gen. func.: ogf

$$(3603008 f(x) - 2132225) (81 f(x) x^3 - 99 f(x) x^2 + 19 f(x) x + 72 x^2 - f(x) - 9 x + 1)$$

Sequence: A064747
Score: 5.29001
Type of gen. func.: ogf

$$\{a(n + 3) - 19 a(n + 2) + 99 a(n + 1) - 81 a(n), a(0) = 1, a(1) = 10, a(2) = 163\}$$

Sequence: A064747
Score: 9.60340
Type of gen. func.: ogf

$$-\frac{72 x^2 - 9 x + 1}{(x - 1) (9 x - 1)^2}$$

Sequence: A064748
Score: 11.0163
Type of gen. func.: lgdogf

$$-\frac{900 x^3 - 110 x^2 - 50 x - 11}{(x - 1) (10 x - 1) (90 x^2 - 10 x + 1)}$$

Sequence: A064748
Score: 5.00555
Type of gen. func.: ogf

$$(7785072 f(x) - 4846069) (100 f(x) x^3 - 120 f(x) x^2 + 21 f(x) x + 90 x^2 - f(x) - 10 x + 1)$$

Sequence: A064748
Score: 5.42268
Type of gen. func.: ogf

$$\{a(n + 3) - 21 a(n + 2) + 120 a(n + 1) - 100 a(n), a(0) = 1, a(1) = 11, a(2) = 201\}$$

Sequence: A064748
Score: 9.56943
Type of gen. func.: ogf

$$-\frac{90 x^2 - 10 x + 1}{(x - 1) (10 x - 1)^2}$$

Sequence: A064749
Score: 11.0791
Type of gen. func.: lgdogf

$$-\frac{2 (605 x^3 - 66 x^2 - 33 x - 6)}{(x - 1) (11 x - 1) (110 x^2 - 11 x + 1)}$$

Sequence: A064749
Score: 5.07972
Type of gen. func.: ogf

$$(5191700 f(x) - 3368867)$$

$$(121 f(x) x^3 - 143 f(x) x^2 + 23 f(x) x + 110 x^2 - f(x) - 11 x + 1)$$

Sequence: A064749
Score: 5.54536
Type of gen. func.: ogf

$\{a(n + 3) - 23 a(n + 2) + 143 a(n + 1) - 121 a(n), a(0) = 1, a(1) = 12,$

$a(2) = 243\}$

Sequence: A064749
Score: 9.64410
Type of gen. func.: ogf

$$-\frac{110 x^2 - 11 x + 1}{(x - 1) (11 x - 1)^2}$$

Sequence: A064750
Score: 11.2379
Type of gen. func.: lgdogf

$$-\frac{1584 x^3 - 156 x^2 - 84 x - 13}{(x - 1) (12 x - 1) (132 x^2 - 12 x + 1)}$$

Sequence: A064750
Score: 5.71712
Type of gen. func.: ogf

$\{a(n + 3) - 25 a(n + 2) + 168 a(n + 1) - 144 a(n), a(0) = 1, a(1) = 13,$

$a(2) = 289\}$

Sequence: A064750
Score: 5.76622
Type of gen. func.: ogf

$(29259494 f(x) - 19658387)$

$(144 f(x) x^3 - 168 f(x) x^2 + 25 f(x) x + 132 x^2 - f(x) - 12 x + 1)$

Sequence: A064750
Score: 9.94283
Type of gen. func.: ogf

$$-\frac{132 x^2 - 12 x + 1}{(x - 1) (12 x - 1)^2}$$

Sequence: A064751
Score: 10.7070
Type of gen. func.: lgdogf

$$-\frac{125 x^3 - 25 x^2 - 85 x + 49}{(x - 1) (5 x - 1) (25 x^2 - 5 x - 4)}$$

Sequence: A064751
Score: 5.00135
Type of gen. func.: ogf

$$\{-a(n+3)+11\,a(n+2)-35\,a(n+1)+25\,a(n),\ a(0)=4,\ a(1)=49,\ a(2)=374\}$$

Sequence: A064751
Score: 5.49781
Type of gen. func.: ogf

$$-(1242064\,f(x)-1299945)\,(25\,f(x)\,x^3-35\,f(x)\,x^2+11\,f(x)\,x-25\,x^2-f(x)+5\,x+4)$$

Sequence: A064751
Score: 9.07937
Type of gen. func.: ogf

$$\frac{25\,x^2-5\,x-4}{(x-1)\,(5\,x-1)^2}$$

Sequence: A064752
Score: 10.2788
Type of gen. func.: lgdogf

$$-\frac{216\,x^3-36\,x^2-126\,x+71}{(x-1)\,(6\,x-1)\,(36\,x^2-6\,x-5)}$$

Sequence: A064752
Score: 4.40542
Type of gen. func.: ogf

$$-(3487325\,f(x)-2017023)\,(36\,f(x)\,x^3-48\,f(x)\,x^2+13\,f(x)\,x-36\,x^2-f(x)+6\,x+5)$$

Sequence: A064752
Score: 4.89076
Type of gen. func.: ogf

$\{-a(n+3)+13a(n+2)-48a(n+1)+36a(n), a(0)=5, a(1)=71, a(2)=647\}$

Sequence: A064752
Score: 8.87862
Type of gen. func.: ogf

$$\frac{36x^2-6x-5}{(x-1)(6x-1)^2}$$

Sequence: A064753
Score: 10.6736
Type of gen. func.: lgdogf

$$-\frac{343x^3-49x^2-175x+97}{(x-1)(7x-3)(7x+2)(7x-1)}$$

Sequence: A064753
Score: 5.12184
Type of gen. func.: ogf

$\{-a(n+3)+15a(n+2)-63a(n+1)+49a(n), a(0)=6, a(1)=97, a(2)=1028\}$

Sequence: A064753
Score: 5.15175
Type of gen. func.: ogf

$$-(29589228 f(x) - 8377033)$$

$$(49 f(x) x^3 - 63 f(x) x^2 + 15 f(x) x - 49 x^2 - f(x) + 7 x + 6)$$

Sequence: A064753
Score: 9.37691
Type of gen. func.: ogf

$$\frac{(7x+2)(7x-3)}{(x-1)(7x-1)^2}$$

Sequence: A064754
Score: 10.1679
Type of gen. func.: lgdogf

$$-\frac{512x^3-64x^2-232x+127}{(x-1)(8x-1)(64x^2-8x-7)}$$

Sequence: A064754
Score: 4.40125
Type of gen. func.: ogf

$$-(25658899 f(x) - 2069454)$$

$$(64 f(x) x^3 - 80 f(x) x^2 + 17 f(x) x - 64 x^2 - f(x) + 8x + 7)$$

Sequence: A064754
Score: 4.84137
Type of gen. func.: ogf

$\{-a(n+3) + 17 a(n+2) - 80 a(n+1) + 64 a(n), a(0) = 7, a(1) = 127,$

$a(2) = 1535\}$

Sequence: A064754
Score: 8.93791
Type of gen. func.: ogf

$$\frac{64x^2-8x-7}{(x-1)(8x-1)^2}$$

Sequence: A064755
Score: 10.9727
Type of gen. func.: lgdogf

$$-\frac{(9x+7)(81x^2-72x+23)}{(x-1)(9x-1)(81x^2-9x-8)}$$

Sequence: A064755
Score: 4.50812
Type of gen. func.: ogf

$$-(305868352 f(x) + 20360655)$$

$$(81 f(x) x^3 - 99 f(x) x^2 + 19 f(x) x - 81 x^2 - f(x) + 9 x + 8)$$

Sequence: A064755
Score: 5.03406
Type of gen. func.: ogf

$\{-a(n+3) + 19 a(n+2) - 99 a(n+1) + 81 a(n), a(0) = 8, a(1) = 161,$

$a(2) = 2186\}$

Sequence: A064755
Score: 9.29365
Type of gen. func.: ogf

$$\frac{81x^2-9x-8}{(x-1)(9x-1)^2}$$

Sequence: A064756
Score: 10.0926
Type of gen. func.: lgdogf

$$-\frac{1000x^3-100x^2-370x+199}{(x-1)(10x-1)(100x^2-10x-9)}$$

Sequence: A064756
Score: 4.545
Type of gen. func.: ogf

$$-(404783487 f(x) + 72198355)$$

$$(100 f(x) x^3 - 120 f(x) x^2 + 21 f(x) x - 100 x^2 - f(x) + 10 x + 9)$$

Sequence: A064756
Score: 5.14107
Type of gen. func.: ogf

$$\{-a(n + 3) + 21 a(n + 2) - 120 a(n + 1) + 100 a(n), a(0) = 9, a(1) = 199, a(2) = 2999\}$$

Sequence: A064756
Score: 9.09000
Type of gen. func.: ogf

$$\frac{100 x^2 - 10 x - 9}{(x - 1) (10 x - 1)^2}$$

Sequence: A064757
Score: 10.2562
Type of gen. func.: lgdogf

$$- \frac{1331 x^3 - 121 x^2 - 451 x + 241}{(x - 1) (11 x - 1) (121 x^2 - 11 x - 10)}$$

Sequence: A064757
Score: 4.69162
Type of gen. func.: ogf

$$-(52648300 f(x) + 14011107)$$

$$(121 f(x) x^3 - 143 f(x) x^2 + 23 f(x) x - 121 x^2 - f(x) + 11 x + 10)$$

Sequence: A064757
Score: 5.26376
Type of gen. func.: ogf

$\{-a(n + 3) + 23 a(n + 2) - 143 a(n + 1) + 121 a(n), a(0) = 10, a(1) = 241,$

$a(2) = 3992\}$

Sequence: A064757
Score: 9.24919
Type of gen. func.: ogf

$$\frac{121 x^2 - 11 x - 10}{(x - 1) (11 x - 1)^2}$$

Sequence: A064758
Score: 10.5825
Type of gen. func.: lgdogf

$$-\frac{1728 x^3 - 144 x^2 - 540 x + 287}{(x - 1) (12 x - 1) (144 x^2 - 12 x - 11)}$$

Sequence: A064758
Score: 5.42825
Type of gen. func.: ogf

$\{-a(n + 3) + 25 a(n + 2) - 168 a(n + 1) + 144 a(n), a(0) = 11, a(1) = 287,$

$a(2) = 5183\}$

Sequence: A064758
Score: 5.90648
Type of gen. func.: ogf

$$-(1083619372 f(x) + 365019663)$$

$$(144 f(x) x^3 - 168 f(x) x^2 + 25 f(x) x - 144 x^2 - f(x) + 12 x + 11)$$

Sequence: A064758
Score: 9.53821
Type of gen. func.: ogf

$$\frac{144 x^2 - 12 x - 11}{(x - 1) (12 x - 1)^2}$$

Sequence: A064761
Score: 12.6923
Type of gen. func.: ogf

$$- \frac{15 x (x + 1)}{(x - 1)^3}$$

Sequence: A064761
Score: 35.4144
Type of gen. func.: ogf_with_Euler_transform]

[4 - x]

Sequence: A064761
Score: 36.8888
Type of gen. func.: lgdogf

$$- \frac{2 (x + 2)}{(x - 1) (x + 1)}$$

Sequence: A064761
Score: 6.62693
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 15, a(2) = 60}

Sequence: A064761
Score: 8.60739
Type of gen. func.: ogf

$$f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 15 x^2 - f(x) + 15 x$$

Sequence: A064762
Score: 12.1458
Type of gen. func.: ogf

$$-\frac{21 x (x + 1)}{(x - 1)^3}$$

Sequence: A064762
Score: 33.8739
Type of gen. func.: ogf_with_Euler_transform]

$$[4 - x]$$

Sequence: A064762
Score: 35.2846
Type of gen. func.: lgdogf

$$-\frac{2 (x + 2)}{(x - 1) (x + 1)}$$

Sequence: A064762
Score: 6.34164
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 21, a(2) = 84\}$$

Sequence: A064762
Score: 6.51459
Type of gen. func.: ogf

$$(4 f(x) + 21) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 21 x^2 - f(x) + 21 x)$$

Sequence: A064763
Score: 12.4541
Type of gen. func.: ogf

$$-\frac{28 x (x + 1)}{(x - 1)^3}$$

Sequence: A064763
Score: 34.7336
Type of gen. func.: ogf_with_Euler_transform]

[4 - x]

Sequence: A064763
Score: 36.1940
Type of gen. func.: lgdogf

$$-\frac{2 (x + 2)}{(x - 1) (x + 1)}$$

Sequence: A064763
Score: 6.44555
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 28, a(2) = 112\}$$

Sequence: A064763
Score: 6.74121
Type of gen. func.: ogf

$$(f(x) + 7) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 28 x^2 - f(x) + 28 x)$$

Sequence: A064776
Score: 5.07056
Type of gen. func.: ogf

$$(480 x^{12} + 320 x^{11} - 480 x^{10} - 80 x^9 - 80 x^8 - 80 x^7 - 24 x^6 - 24 x^5 - 21 x^4 - 5 x^3 - 3 x^2 - 3 x - 2) / (400 x^{11} - 1)$$

Sequence: A064796
Score: 10.4321
Type of gen. func.: ogf

$$-\frac{x^5 - x^4 - 2x^3 + 2x^2 + 1}{(x + 1)(x - 1)^3}$$

Sequence: A064796
Score: 11.8404
Type of gen. func.: lgdogf

$$\frac{x^6 - 2x^5 - x^4 + 4x^3 + 2x^2 - 8x - 2}{(x - 1)(x + 1)(x^5 - x^4 - 2x^3 + 2x^2 + 1)}$$

Sequence: A064806
Score: 7.12659
Type of gen. func.: ogf

$$-\frac{9x^9 - 2x^8 - 2x^7 - 2x^6 - 2x^5 - 2x^4 - 2x^3 - 2x^2 - 2x - 2}{(x^2 + x + 1)(x^6 + x^3 + 1)(x - 1)^2}$$

Sequence: A064808
Score: 11.9558
Type of gen. func.: ogf

$$\frac{3x^2 - x + 1}{(x - 1)^4}$$

Sequence: A064808
Score: 23.5940
Type of gen. func.: lgdogf

$$-\frac{3(2x^2 + x + 1)}{(x - 1)(3x^2 - x + 1)}$$

Sequence: A064808
Score: 4.18758
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-9 - 2 n) a(n + 3) + (5 + 4 n) a(n + 2)$$
$$+ (-9 - 3 n) a(n + 1), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 22\}$$

Sequence: A064808
Score: 6.02156
Type of gen. func.: ogf

$$(18090 f(x) + 18241)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 3 x^2 + f(x) + x - 1)$$

Sequence: A064815
Score: 3.22341
Type of gen. func.: egf]

$$\{(-4 n^2 + 2 n + 2) a(n) + (-4 n^2 - 10 n - 6) a(n + 1) + (n^2 + 3 n + 2) a(n + 2)$$
$$, a(0) = 1, a(1) = 1, a(2) = 3\}$$

Sequence: A064817
Score: 6.23974
Type of gen. func.: ogf

$$- \frac{x^2 (x^{23} - 2 x^{22} + 2 x^{21} - x^{20} - x^{16} + x^{15} + x^{13} - x^{11} - x^2 + x - 1)}{(x - 1)^2}$$

Sequence: A064831
Score: 15.8483
Type of gen. func.: ogf

$$- \frac{x}{(x - 1) (x + 1) (x^2 - 3 x + 1)}$$

Sequence: A064831
Score: 15.9946
Type of gen. func.: lgdogf

$$-\frac{4x^3 - 9x^2 + 3}{(x-1)(x+1)(x^2 - 3x + 1)}$$

Sequence: A064831
Score: 6.24788
Type of gen. func.: ogf

$$-(24 f(x) - 1)(f(x) x^4 - 3 f(x) x^3 + 3 f(x) x - f(x) + x)$$

Sequence: A064835
Score: 11.5270
Type of gen. func.: lgdogf

$$-\frac{9x^4 - 16x^3 - 24x^2 - 24x - 5}{(x-1)(x+1)(3x^3 - 7x^2 - x - 1)}$$

Sequence: A064835
Score: 8.75128
Type of gen. func.: ogf

$$\frac{2x^2(3x^3 - 7x^2 - x - 1)}{(x+1)(x-1)^5}$$

Sequence: A064836
Score: 12.0040
Type of gen. func.: lgdogf

$$-\frac{9x^4 - 16x^3 - 24x^2 - 24x - 5}{(x-1)(x+1)(3x^3 - 7x^2 - x - 1)}$$

Sequence: A064836
Score: 7.82277
Type of gen. func.: ogf

$$\frac{x^2 (3 x^3 - 7 x^2 - x - 1)}{(x + 1) (x - 1)^5}$$

Sequence: A064837
Score: 5.57320
Type of gen. func.: ogf

$$- \frac{2 x (x^5 + 2 x^4 - x^3 - 21 x^2 - 4 x - 1)}{(x + 1) (x - 1)^6}$$

Sequence: A064837
Score: 7.69687
Type of gen. func.: lgdogf

$$- \frac{2 x^6 + 11 x^5 + 11 x^4 - 102 x^3 - 132 x^2 - 69 x - 9}{(x - 1) (x + 1) (x^5 + 2 x^4 - x^3 - 21 x^2 - 4 x - 1)}$$

Sequence: A064838
Score: 5.53950
Type of gen. func.: ogf

$$- \frac{x (x^5 + 2 x^4 - x^3 - 21 x^2 - 4 x - 1)}{(x + 1) (x - 1)^6}$$

Sequence: A064838
Score: 7.64853
Type of gen. func.: lgdogf

6 5 4 3 2

$$-\frac{2x + 11x + 11x - 102x - 132x - 69x - 9}{(x-1)(x+1)(x^5 + 2x^4 - x^3 - 21x^2 - 4x - 1)}$$

Sequence: A064842
Score: 10.2451
Type of gen. func.: ogf

$$-\frac{2x(x^3 - 2x^2 - 1)}{(x+1)(x-1)^4}$$

Sequence: A064842
Score: 15.4421
Type of gen. func.: lgdogf

$$-\frac{2x^4 - 3x^3 - 3x^2 - 9x - 3}{(x-1)(x+1)(x^3 - 2x^2 - 1)}$$

Sequence: A064843
Score: 13.8516
Type of gen. func.: lgdogf

$$-\frac{2x^4 - 3x^3 - 3x^2 - 9x - 3}{(x-1)(x+1)(x^3 - 2x^2 - 1)}$$

Sequence: A064843
Score: 9.20352
Type of gen. func.: ogf

$$-\frac{x(x^3 - 2x^2 - 1)}{(x+1)(x-1)^4}$$

Sequence: A064867
Score: 5.41338

Type of gen. func.: ogf

$$\frac{48 x^9 - x^8 - 33 x^7 - 22 x^6 + 4 x^5 + 4 x^4 - 45 x^3 + 5 x^2 + 37 x + 26}{(x^2 - x + 1) (x^2 + x + 1) (x + 1) (x - 1)^2}$$

Sequence: A064873
Score: 7.39860
Type of gen. func.: ogf

$$- x^7 (x^2 - x + 1) (x^{22} + x^{21} + x^{14} + x^{13} - x^{11} - x^{10} + x^8 + x^7 + x^6 - x^4 - x^3 + x + 1) / ((x - 1) (x + 1) (x^2 + 1) (x^4 + 1) (x^8 + 1) (x^{16} + 1))$$

Sequence: A064878
Score: 4.02721
Type of gen. func.: ogf

$$100 f(x)^2 x^2 + 180 f(x)^2 x + 81 f(x)^2 - 541 f(x) x - 162 f(x) + 361 x + 81$$

Sequence: A064985
Score: 23.9379
Type of gen. func.: ogf_with_Euler_transform]

$$x^{23} + x^5 + x + 2$$

Sequence: A064986
Score: 25.2244
Type of gen. func.: ogf_with_Euler_transform]

$$x^{23} + x^5 + x + 1$$

Sequence: A064999
Score: 17.9590
Type of gen. func.: lgdogf

$$-\frac{x^3 - 3x^2 - 3x - 3}{(x-1)(x^3 - 3x^2 + x - 1)}$$

Sequence: A064999
Score: 4.15067
Type of gen. func.: ogf

$$\{(9n^2 + 57n + 78)\,a(n+1) + (-14n^2 - 64n - 54)\,a(n+2)$$
$$+ (5n^2 + 19n + 12)\,a(n+3),\ a(0) = 1,\ a(1) = 3,\ a(2) = 9\}$$

Sequence: A064999
Score: 5.40483
Type of gen. func.: ogf

$$(38 f(x) + 97)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + x^3 - 4 f(x) x - 3x^2 + f(x) + x - 1)$$

Sequence: A064999
Score: 9.75678
Type of gen. func.: ogf

$$-\frac{x^3 - 3x^2 + x - 1}{(x-1)^4}$$

Sequence: A065014
Score: 10.1314
Type of gen. func.: lgdogf

$$-\frac{x^6 + 6x^5 + 2x^4 + 20x^3 + 7x^2 + 22x + 2}{(x-1)(x+1)(x^5 + 3x^4 - x^3 + 2x^2 + 2x + 3)}$$

Sequence: A065014
Score: 9.05678
Type of gen. func.: ogf

$$-\frac{x^5 + 3 x^4 - x^3 + 2 x^2 + 2 x + 3}{(x + 1)^3 (x - 1)^3}$$

Sequence: A065026
Score: 4.42757
Type of gen. func.: ogf

$$(x - 1) (804 x^{15} + 720 x^{14} + 552 x^{13} + 402 x^{12} - 42 x^{10} - 18 x^9 - 8 x^8 - 10 x^7 - 25 x^6 - 14 x^5 - 15 x^4 - 10 x^3 - 5 x^2 - 3 x - 1) / (2 x^6 - 4 x^4 - 2 x^2 + 1)$$

Sequence: A065031
Score: 8.71158
Type of gen. func.: ogf

$$-\frac{20 x^{21} + 20 x^{20} + 11 x^{11} + 12 x^{10} + x + 2}{(x - 1) (x + 1) (x^2 + 1) (x^8 - x^6 + x^4 - x^2 + 1)}$$

Sequence: A065033
Score: 10.5618
Type of gen. func.: ogf

$$\frac{x^3 - x^2 + 1}{(x + 1) (x - 1)^2}$$

Sequence: A065033
Score: 18.6131
Type of gen. func.: lgdogf

$$2 x^2 + x + 1$$

$$- \overline{(x - 1) (x + 1) (x^3 - x^2 + 1)}$$

Sequence: A065033
Score: 5.20087
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 3) + a(n + 2) - a(n + 1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 2\}$$

Sequence: A065033
Score: 7.70288
Type of gen. func.: ogf

$$f(x) (f(x) x^3 - f(x) x^2 - x^3 - f(x) x + x^2 + f(x) - 1)$$

Sequence: A065034
Score: 10.6980
Type of gen. func.: lgdogf

$$- \frac{3 x^4 - 16 x^3 + 32 x^2 - 26 x + 8}{(x - 1) (x - 2) (3 x - 2) (x^2 - 3 x + 1)}$$

Sequence: A065034
Score: 12.8800
Type of gen. func.: ogf

$$- \frac{(-1 + 2 x) (2 x - 3)}{(x - 1) (x^2 - 3 x + 1)}$$

Sequence: A065034
Score: 6.4932
Type of gen. func.: ogf

$$-(1015 f(x) + 2747) (f(x) x^3 - 4 f(x) x^2 + 4 f(x) x + 4 x^2 - f(x) - 8 x + 3)$$

Sequence: A065034
Score: 7.01497
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 4 a(n + 1) + a(n), a(0) = 3, a(1) = 4, a(2) = 8\}$$

Sequence: A065039
Score: 6.29525
Type of gen. func.: ogf

$$\frac{x (2 x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A065065
Score: 29.8042
Type of gen. func.: revogf

$$\frac{x}{x^3 + 4 x^2 + 3 x + 1}$$

Sequence: A065065
Score: 7.51246
Type of gen. func.: ogf

$$-x^3 f(x)^3 - 4 f(x)^2 x^2 - 3 f(x) x + f(x) - 1$$

Sequence: A065087
Score: 4.40239
Type of gen. func.: ogf

$$\{(n^2 + 7 n + 12) a(n + 1) + (n^2 + 5 n + 4) a(n + 2) + (-n - 1) a(n + 3),$$
$$a(0) = 0, a(1) = 0, a(2) = 3\}$$

Sequence: A065088
Score: 27.4627

Type of gen. func.: lgdegf]

$$-\frac{x^3 + 3 x + 2}{(x - 1) (x^2 + 1)}$$

Sequence: A065088
Score: 3.71243
Type of gen. func.: ogf

$$\{(-n^3 - 7 n^2 - 16 n - 12) a(n + 1) + (-n^3 - 5 n^2 - 6 n) a(n + 2) + (n^2 + n) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 6\}$$

Sequence: A065096
Score: 15.8180
Type of gen. func.: lgdogf

$$-\frac{2 ((x^2 - 6 x + 1)^{1/2} - 1)}{(x^2 - 6 x + 1)^{1/2} x}$$

Sequence: A065096
Score: 4.00868
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) + (-6 n^2 - 39 n - 63) a(n + 2) + (n^2 + 8 n + 12) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 6\}$$

Sequence: A065096
Score: 9.1627
Type of gen. func.: ogf

$$4 x^3 f(x)^2 - 5 f(x) x^2 + 6 f(x) x - f(x) + x$$

Sequence: A065097

Score: 28.1654
Type of gen. func.: revogf

$$\frac{x (x + 1)}{(1 + 2 x)^4}$$

Sequence: A065097
Score: 5.59046
Type of gen. func.: ogf

$$\{(32 n^2 + 160 n + 198) a(n + 1) + (-2 n^2 - 13 n - 21) a(n + 2), a(0) = 1, a(1) = 7\}$$

Sequence: A065100
Score: 13.3169
Type of gen. func.: revogf

$$- \frac{-3 - 9 x + (7 x + 3)^{1/2} (11 x + 3)^{1/2}}{2 x}$$

Sequence: A065100
Score: 18.1128
Type of gen. func.: ogf

$$\frac{3}{x^2 - 9 x + 1}$$

Sequence: A065100
Score: 27.9021
Type of gen. func.: lgdogf

$$- \frac{-9 + 2 x}{x^2 - 9 x + 1}$$

Sequence: A065100
Score: 6.95025

Type of gen. func.: ogf

$$(6319 f(x) + 726) (f(x) x^2 - 9 f(x) x + f(x) - 3)$$

Sequence: A065100
Score: 7.20146
Type of gen. func.: ogf

$$\{-a(n + 2) + 9 a(n + 1) - a(n), a(0) = 3, a(1) = 27\}$$

Sequence: A065101
Score: 12.7858
Type of gen. func.: revogf

$$- \frac{-1 - 6 x + (7 x + 1)^{1/2} (5 x + 1)^{1/2}}{x}$$

Sequence: A065101
Score: 14.9994
Type of gen. func.: ogf

$$\frac{2}{x^2 - 12 x + 1}$$

Sequence: A065101
Score: 22.6657
Type of gen. func.: lgdogf

$$- \frac{2 (x - 6)}{x^2 - 12 x + 1}$$

Sequence: A065101
Score: 5.79521
Type of gen. func.: ogf

$$(20305 f(x) + 862) (f(x) x^2 - 12 f(x) x + f(x) - 2)$$

Sequence: A065101
Score: 6.07117
Type of gen. func.: ogf

$$\{-a(n+2) + 12\,a(n+1) - a(n),\ a(0) = 2,\ a(1) = 24\}$$

Sequence: A065102
Score: 10.9698
Type of gen. func.: revogf

$$-\frac{-3 - 18x + (16x+3)^{1/2}\,(20x+3)^{1/2}}{2x}$$

Sequence: A065102
Score: 15.1677
Type of gen. func.: ogf

$$\frac{3}{x^2 - 18x + 1}$$

Sequence: A065102
Score: 22.9369
Type of gen. func.: lgdogf

$$-\frac{2(x-9)}{x^2 - 18x + 1}$$

Sequence: A065102
Score: 5.73002
Type of gen. func.: ogf

$$(104005\,f(x) + 2913)\,(f(x)\,x^2 - 18\,f(x)\,x + f(x) - 3)$$

Sequence: A065102
Score: 6.13931

Type of gen. func.: ogf

$$\{-a(n+2) + 18\, a(n+1) - a(n),\ a(0) = 3,\ a(1) = 54\}$$

Sequence: A065113
Score: 12.1741
Type of gen. func.: lgdogf

$$-\frac{2\,(x^3 - 8\,x^2 + 21\,x - 10)}{(x - 1)\,(x - 3)\,(x^2 - 6\,x + 1)}$$

Sequence: A065113
Score: 13.4723
Type of gen. func.: ogf

$$\frac{2\,(x - 3)}{(x - 1)\,(x^2 - 6\,x + 1)}$$

Sequence: A065113
Score: 6.20896
Type of gen. func.: ogf

$$-(133836\, f(x) + 2165)\,(f(x)\, x^3 - 7\, f(x)\, x^2 + 7\, f(x)\, x - f(x) - 2\, x + 6)$$

Sequence: A065113
Score: 6.20896
Type of gen. func.: ogf

$$\{-a(n+3) + 7\, a(n+2) - 7\, a(n+1) + a(n),\ a(0) = 6,\ a(1) = 40,\ a(2) = 238\}$$

Sequence: A065140
Score: 4.55409
Type of gen. func.: ogf

$$\{(8\, n^2 + 28\, n + 24)\, a(n+1) - a(n+2),\ a(0) = 1,\ a(1) = 4\}$$

Sequence: A065141
Score: 5.81670
Type of gen. func.: ogf

$$\{(8 n^2 + 36 n + 36) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 8\}$$

Sequence: A065164
Score: 13.0160
Type of gen. func.: ogf

$$\frac{3 x^3 - 5 x^2 + 2 x + 2}{(x + 1) (x - 1)^2}$$

Sequence: A065164
Score: 17.6199
Type of gen. func.: lgdogf

$$\frac{2 (x^3 - 4 x^2 + x - 2)}{(x - 1) (x + 1) (3 x^3 - 5 x^2 + 2 x + 2)}$$

Sequence: A065164
Score: 6.80380
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 3) + a(n + 2) - a(n + 1), a(0) = 2, a(1) = 4, a(2) = 1, a(3) = 6\}$$

Sequence: A065164
Score: 7.07165
Type of gen. func.: ogf

$$-(141 + 700 f(x)) (f(x) x^3 - f(x) x^2 - 3 x^3 - f(x) x + 5 x^2 + f(x) - 2 x - 2)$$

Sequence: A065165
Score: 10.5659

Type of gen. func.: ogf

$$\frac{3 x^5 - 3 x^4 + 4 x^3 - 8 x^2 + 2 x + 4}{(x + 1) (x - 1)^2}$$

Sequence: A065165
Score: 10.7438
Type of gen. func.: lgdogf

$$\frac{2 (3 x^6 - 3 x^5 - 6 x^4 + 8 x^3 - 4 x^2 + x - 3)}{(x - 1) (x + 1) (3 x^5 - 3 x^4 + 4 x^3 - 8 x^2 + 2 x + 4)}$$

Sequence: A065166
Score: 8.31126
Type of gen. func.: lgdogf

$$\frac{2 (6 x^8 - 6 x^7 - 5 x^6 + 5 x^5 - 8 x^4 + 11 x^3 - 3 x^2 - 4)}{(x - 1) (x + 1) (3 x^7 - 3 x^6 + 4 x^5 - 4 x^4 + 4 x^3 - 10 x^2 + 2 x + 6)}$$

Sequence: A065166
Score: 8.80491
Type of gen. func.: ogf

$$\frac{3 x^7 - 3 x^6 + 4 x^5 - 4 x^4 + 4 x^3 - 10 x^2 + 2 x + 6}{(x + 1) (x - 1)^2}$$

Sequence: A065168
Score: 11.6636
Type of gen. func.: ogf

$$\frac{x^4 - x^3 + x^2 - 2 x + 3}{(x + 1) (x - 1)^2}$$

Sequence: A065168
Score: 14.6832
Type of gen. func.: lgdogf

$$\frac{x^5 - x^4 - 4 x^3 + 6 x^2 - 9 x - 1}{(x - 1) (x + 1) (x^4 - x^3 + x^2 - 2 x + 3)}$$

Sequence: A065168
Score: 6.23681
Type of gen. func.: ogf

$\{a(n + 5) - a(n + 4) - a(n + 3) + a(n + 2), a(0) = 3, a(1) = 1, a(2) = 5,$

$a(3) = 2, a(4) = 7\}$

Sequence: A065168
Score: 6.85572
Type of gen. func.: ogf

$$(68 f(x) + 3115) (f(x) x^3 - x^4 - f(x) x^2 + x^3 - f(x) x - x^2 + f(x) + 2 x - 3)$$

Sequence: A065169
Score: 10.1264
Type of gen. func.: lgdogf

$$\frac{3 x^7 - 3 x^6 - x^5 + x^4 - 11 x^3 + 17 x^2 - 11 x - 3}{(x - 1) (x + 1) (x^6 - x^5 + 4 x^4 - 4 x^3 - x^2 - 2 x + 5)}$$

Sequence: A065169
Score: 9.65700
Type of gen. func.: ogf

$$\frac{x^6 - x^5 + 4 x^4 - 4 x^3 - x^2 - 2 x + 5}{(x + 1) (x - 1)^2}$$

Sequence: A065170
Score: 7.46605
Type of gen. func.: lgdogf

$$\frac{5 x^{9} - 5 x^{8} + 5 x^{7} - 5 x^{6} - 16 x^{5} + 16 x^{4} - 9 x^{3} + 19 x^{2} - 13 x - 5}{(x - 1) (x + 1) (x^{8} - x^{7} + 4 x^{6} - 4 x^{5} + 4 x^{4} - 4 x^{3} - 3 x^{2} - 2 x + 7)}$$

Sequence: A065170
Score: 8.23946
Type of gen. func.: ogf

$$\frac{x^{8} - x^{7} + 4 x^{6} - 4 x^{5} + 4 x^{4} - 4 x^{3} - 3 x^{2} - 2 x + 7}{(x + 1) (x - 1)^{2}}$$

Sequence: A065171
Score: 10.0382
Type of gen. func.: ogf

$$\frac{2 x^{6} + 4 x^{5} + x^{4} + 8 x^{3} + 2 x^{2} + 4 x + 1}{(x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2}}$$

Sequence: A065171
Score: 7.96783
Type of gen. func.: lgdogf

$$- \frac{4 (x^{9} + 3 x^{8} + x^{7} + 10 x^{6} + 6 x^{5} + 12 x^{4} + 3 x^{3} + 6 x^{2} + x + 1)}{(x - 1) (x + 1) (x^{2} + 1) (2 x^{6} + 4 x^{5} + x^{4} + 8 x^{3} + 2 x^{2} + 4 x + 1)}$$

Sequence: A065172
Score: 10.0382
Type of gen. func.: ogf

$$\frac{3 x^{6} + x^{5} + 7 x^{4} + 2 x^{3} + 5 x^{2} + 3 x + 1}{(x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2}}$$

Sequence: A065172
Score: 7.42763
Type of gen. func.: lgdogf

$$-\frac{6x^9+3x^8+28x^7+10x^6+48x^5+26x^4+36x^3+6x^2+10x+3}{(x-1)(x+1)(x^2+1)(3x^6+x^5+7x^4+2x^3+5x^2+3x+1)}$$

Sequence: A065173
Score: 10.6485
Type of gen. func.: ogf

$$\frac{x(2x^5+x^4+x^3+2x^2+2x+1)}{(x-1)^2(x+1)^2(x^2+1)^2}$$

Sequence: A065173
Score: 8.83297
Type of gen. func.: lgdogf

$$-\frac{6x^8+4x^7+5x^6+12x^5+24x^4+12x^3+3x^2+4x+2}{(x-1)(x+1)(2x^5+x^4+x^3+2x^2+2x+1)(x^2+1)}$$

Sequence: A065186
Score: 10.5659
Type of gen. func.: ogf

$$\frac{x^5+2x^4-3x^3+2x^2+2x+1}{(x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A065186
Score: 7.93688
Type of gen. func.: lgdogf

```
          9       8       7       6        5        4        3       2
```

$$-\frac{x + 5 x - 6 x + 8 x + 12 x + 14 x + 10 x - 4 x + 7 x + 3}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (x^5 + 2 x^4 - 3 x^3 + 2 x^2 + 2 x + 1)}$$

Sequence: A065187
Score: 10.5659
Type of gen. func.: ogf

$$\frac{2 x^5 - 2 x^4 + 3 x^3 - 2 x^2 + 3 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A065187
Score: 7.93688
Type of gen. func.: lgdogf

$$-\frac{2 x^9 - 2 x^8 + 9 x^7 - 5 x^6 + 16 x^5 + 18 x^4 - 3 x^3 + 11 x^2 + 4}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (2 x^5 - 2 x^4 + 3 x^3 - 2 x^2 + 3 x + 1)}$$

Sequence: A065190
Score: 13.0160
Type of gen. func.: ogf

$$\frac{x^3 - 2 x^2 + 2 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A065190
Score: 19.1520
Type of gen. func.: lgdogf

$$\frac{x^3 - 5 x^2 - x - 3}{(x - 1) (x + 1) (x^3 - 2 x^2 + 2 x + 1)}$$

Sequence: A065190
Score: 6.80380

Type of gen. func.: ogf

$\{-a(n+4)+a(n+3)+a(n+2)-a(n+1), a(0)=1, a(1)=3, a(2)=2, a(3)=5\}$

Sequence: A065190
Score: 7.30163
Type of gen. func.: ogf

$$-(4 f(x)+7)(f(x) x^3 - f(x) x^2 - x^3 - f(x) x + 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A065220
Score: 13.0279
Type of gen. func.: ogf

$$-\frac{x^2 (-1+2 x)}{(x^2+x-1)(x-1)^2}$$

Sequence: A065220
Score: 21.5821
Type of gen. func.: lgdogf

$$-\frac{(3 x-1)(2 x^2-1)}{(x-1)(-1+2 x)(x^2+x-1)}$$

Sequence: A065220
Score: 6.42091
Type of gen. func.: ogf

$\{a(n+4)-3 a(n+3)+2 a(n+2)+a(n+1)-a(n), a(0)=0, a(1)=0, a(2)=-1, a(3)=-1\}$

Sequence: A065220
Score: 8.40119
Type of gen. func.: ogf

$$-f(x)\,x^4 + f(x)\,x^3 + 2\,f(x)\,x^2 - 2\,x^3 - 3\,f(x)\,x + x^2 + f(x)$$

Sequence: A065259
Score: 10.0382
Type of gen. func.: ogf

$$\frac{x^6 + 3\,x^5 + 5\,x^4 + 2\,x^3 + 7\,x^2 + x + 3}{(x - 1)^2\,(x + 1)^2\,(x^2 + 1)^2}$$

Sequence: A065259
Score: 7.55570
Type of gen. func.: lgdogf

$$-\frac{2\,x^9 + 9\,x^8 + 20\,x^7 + 10\,x^6 + 48\,x^5 + 22\,x^4 + 44\,x^3 + 6\,x^2 + 14\,x + 1}{(x - 1)\,(x + 1)\,(x^2 + 1)\,(x^6 + 3\,x^5 + 5\,x^4 + 2\,x^3 + 7\,x^2 + x + 3)}$$

Sequence: A065260
Score: 10.0382
Type of gen. func.: ogf

$$\frac{x^6 + 4\,x^5 + 2\,x^4 + 8\,x^3 + x^2 + 4\,x + 2}{(x - 1)^2\,(x + 1)^2\,(x^2 + 1)^2}$$

Sequence: A065260
Score: 7.82554
Type of gen. func.: lgdogf

$$-\frac{2\,(x^9 + 6\,x^8 + 4\,x^7 + 20\,x^6 + 6\,x^5 + 24\,x^4 + 12\,x^3 + 12\,x^2 + x + 2)}{(x - 1)\,(x + 1)\,(x^2 + 1)\,(x^6 + 4\,x^5 + 2\,x^4 + 8\,x^3 + x^2 + 4\,x + 2)}$$

Sequence: A065261
Score: 11.2278
Type of gen. func.: ogf

$$\frac{x^5 + 3 x^4 + 2 x^3 + x^2 + x + 1}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A065261
Score: 8.92130
Type of gen. func.: lgdogf

$$- \frac{3 x^8 + 12 x^7 + 10 x^6 + 6 x^5 + 12 x^4 + 20 x^3 + 6 x^2 + 2 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^5 + 3 x^4 + 2 x^3 + x^2 + x + 1)}$$

Sequence: A065262
Score: 15.7269
Type of gen. func.: ogf

$$\frac{3 x^2 + x + 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A065262
Score: 19.5431
Type of gen. func.: lgdogf

$$- \frac{6 x^3 + 3 x^2 + 10 x + 1}{(x - 1) (x + 1) (3 x^2 + x + 1)}$$

Sequence: A065262
Score: 8.87557
Type of gen. func.: ogf

$$-(690 f(x) + 799) (f(x) x^4 - 2 f(x) x^2 - 3 x^2 + f(x) - x - 1)$$

Sequence: A065320
Score: 5.40615
Type of gen. func.: ogf

$$-3\left(2536 x^8 - 330 x^7 - 330 x^6 - 330 x^5 - 330 x^4 - 330 x^3 - 330 x^2 - 330 x - 3559\right) \Big/ \left((x + 1) (x^4 + 1) (x^2 + 1) (x - 1)^2\right)$$

Sequence: A065340
Score: 10.0143
Type of gen. func.: lgdogf

$$-\frac{2 (108 x^4 - 141 x^3 + 31 x^2 + 21 x - 7)}{(x - 1) (3 x - 1) (-1 + 2 x) (9 x^2 - 4 x - 1)}$$

Sequence: A065340
Score: 7.97723
Type of gen. func.: ogf

$$-\frac{2 (9 x^2 - 4 x - 1)}{(3 x - 1) (-1 + 2 x)^2 (x - 1)^3}$$

Sequence: A065423
Score: 15.9823
Type of gen. func.: ogf

$$\frac{x^2 (x + 2)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A065423
Score: 6.03305
Type of gen. func.: ogf

$$\{(3 n^2 + 17 n + 22) a(n + 1) + 4 a(n + 2) + (-3 n^2 - 11 n - 8) a(n + 3),$$
$$a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A065423
Score: 9.0197
Type of gen. func.: ogf

$$-(132 f(x) + 175) (f(x) x^{4} - 2 f(x) x^{2} - x^{3} - 2 x^{2} + f(x))$$

Sequence: A065424
Score: 3.03321
Type of gen. func.: ogf

$$\{(576 n^{3} + 4320 n^{2} + 10736 n + 8840) a(n + 1)$$

$$+ (-9 n^{3} - 81 n^{2} - 236 n - 220) a(n + 2), a(0) = 1, a(1) = 33\}$$

Sequence: A065438
Score: 5.56381
Type of gen. func.: ogf

$$(x^{11} + x^{10} + 11 x^{9} + 11 x^{8} + 11 x^{7} + 11 x^{6} + 11 x^{5} + 11 x^{4} + 11 x^{3} + 11 x^{2}$$

$$+ 11 x + 10) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)$$

$$(x - 1)^{2})$$

Sequence: A065450
Score: 9.13429
Type of gen. func.: ogf

$$- \frac{2 x^{6} - 2 x^{5} - 4 x^{4} + 4 x^{3} + 6 x^{2} + 1}{(x + 1) (x - 1)^{3}}$$

Sequence: A065450
Score: 9.38197
Type of gen. func.: lgdogf

$$\frac{2 (x^{3} - x^{2} - 2 x - 1) (2 x^{4} - x^{3} - x^{2} + 6 x + 1)}{\quad^{6} \quad^{5} \quad^{4} \quad^{3} \quad^{2}}$$

$$(x - 1) (x + 1) (2 x - 2 x - 4 x + 4 x + 6 x + 1)$$

Sequence: A065455
Score: 12.9300
Type of gen. func.: ogf

$$- \frac{(x + 1)^2}{x^3 + 3 x^2 - 1}$$

Sequence: A065455
Score: 19.0238
Type of gen. func.: lgdogf

$$- \frac{x^3 + 3 x^2 + 6 x + 2}{(x + 1) (x^3 + 3 x^2 - 1)}$$

Sequence: A065455
Score: 7.84052
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A065455
Score: 8.281
Type of gen. func.: ogf

$$-f(x) (f(x) x^3 + 3 f(x) x^2 + x^2 - f(x) + 2 x + 1)$$

Sequence: A065475
Score: 10.3844
Type of gen. func.: ogf

$$(2 f(x) + 7) (f(x) x^2 - 2 f(x) x + x^2 + f(x) - x - 1)$$

Sequence: A065475
Score: 18.2218
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{(x - 1)^2}$$

Sequence: A065475
Score: 43.1104
Type of gen. func.: lgdogf

$$-\frac{x - 3}{(x - 1)(x^2 - x - 1)}$$

Sequence: A065475
Score: 9.46817
Type of gen. func.: ogf

{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 3, a(2) = 4}

Sequence: A065494
Score: 11.0812
Type of gen. func.: ogf

$$\frac{(x + 1)^2}{x^4 - 2 x^3 - 3 x^2 + 1}$$

Sequence: A065494
Score: 13.8489
Type of gen. func.: lgdogf

$$-\frac{2 (x^4 + x^3 - 3 x^2 - 3 x - 1)}{(x + 1)(x^4 - 2 x^3 - 3 x^2 + 1)}$$

Sequence: A065494

Score: 6.73159
Type of gen. func.: ogf

$$-f(x) (f(x) x^4 - 2 f(x) x^3 - 3 f(x) x^2 - x^2 + f(x) - 2 x - 1)$$

Sequence: A065495
Score: 13.4660
Type of gen. func.: ogf

$$\frac{1}{(-1 + 2 x) (2 x^3 + 2 x^2 - 1)}$$

Sequence: A065495
Score: 13.7495
Type of gen. func.: lgdogf

$$-\frac{2 (8 x^3 + 3 x^2 - 2 x - 1)}{(-1 + 2 x) (2 x^3 + 2 x^2 - 1)}$$

Sequence: A065495
Score: 5.36449
Type of gen. func.: ogf

$$-(63 f(x) - 32) (4 f(x) x^4 + 2 f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + f(x) - 1)$$

Sequence: A065497
Score: 11.6954
Type of gen. func.: lgdogf

$$-\frac{2 (5 x^4 - 10 x^3 - 6 x^2 + 3 x + 1)}{(-1 + 2 x) (x^4 - 2 x^3 - 3 x^2 + 1)}$$

Sequence: A065497
Score: 11.9340
Type of gen. func.: ogf

$$-\frac{1}{(-1+2x)(x^4-2x^3-3x^2+1)}$$

Sequence: A065497
Score: 6.14853
Type of gen. func.: ogf

$$2f(x)x^5-5f(x)x^4-4f(x)x^3+x^4+3f(x)x^2+2f(x)x-f(x)$$

Sequence: A065502
Score: 10.0036
Type of gen. func.: ogf

$$\frac{2x^4+x^2+2}{(x^2+x+1)(x^2-x+1)(x-1)^2}$$

Sequence: A065502
Score: 11.4926
Type of gen. func.: lgdogf

$$-\frac{2(2x^8+2x^6+x^5+5x^4+4x^2-x+2)}{(x-1)(x^2+x+1)(x^2-x+1)(2x^4+x^2+2)}$$

Sequence: A065506
Score: 13.6742
Type of gen. func.: ogf

$$\frac{1}{(-1+2x)(x^3+3x^2-1)}$$

Sequence: A065506
Score: 14.5874
Type of gen. func.: lgdogf

$$-\frac{8 x^3 + 15 x^2 - 6 x - 2}{(-1 + 2 x) (x^3 + 3 x^2 - 1)}$$

Sequence: A065506
Score: 5.36029
Type of gen. func.: ogf

$$(195329 f(x) + 5312) (2 f(x) x^4 + 5 f(x) x^3 - 3 f(x) x^2 - 2 f(x) x + f(x) - 1)$$

Sequence: A065530
Score: 12.1225
Type of gen. func.: ogf

$$\frac{x (x^4 - 8 x - 1)}{(x + 1)^3 (x - 1)^3}$$

Sequence: A065530
Score: 15.8513
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 + 2 x^3 - 20 x^2 - 3 x - 4)}{(x - 1) (x + 1) (x^4 - 8 x - 1)}$$

Sequence: A065532
Score: 11.5779
Type of gen. func.: ogf

$$-\frac{47 x^2 + 50 x - 1}{(x - 1)^3}$$

Sequence: A065532
Score: 17.9643
Type of gen. func.: lgdogf

$$-\frac{47 x^2 + 194 x + 47}{(x - 1) (47 x^2 + 50 x - 1)}$$

Sequence: A065532
Score: 6.34266
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = -1, a(1) = 47, a(2) = 191}

Sequence: A065532
Score: 6.99389
Type of gen. func.: ogf

$$(1108 f(x) - 36917) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 47 x^2 - f(x) + 50 x - 1)$$

Sequence: A065563
Score: 11.6702
Type of gen. func.: ogf

$$\frac{2}{(x^2 + 4 x - 1) (x^2 - x - 1)}$$

Sequence: A065563
Score: 12.7154
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 9 x^2 - 12 x - 3}{(x^2 + 4 x - 1) (x^2 - x - 1)}$$

Sequence: A065563
Score: 4.64913
Type of gen. func.: ogf

$$-(187 f(x) + 4) (f(x) x^4 + 3 f(x) x^3 - 6 f(x) x^2 - 3 f(x) x + f(x) - 2)$$

Sequence: A065599
Score: 11.9459
Type of gen. func.: lgdogf

$$-\frac{2\,(x^5-3\,x^4+14\,x^3+2\,x^2+9\,x+1)}{(x-1)\,(x+1)\,(x^4-2\,x^3+6\,x^2+2\,x+1)}$$

Sequence: A065599
Score: 9.84060
Type of gen. func.: ogf

$$-\frac{x\,(x^4-2\,x^3+6\,x^2+2\,x+1)}{(x+1)^3\,(x-1)^3}$$

Sequence: A065601
Score: 7.97517
Type of gen. func.: ogf

$$x^3\,f(x)^2+4\,f(x)^2\,x^2+4\,f(x)^2\,x-2\,f(x)\,x^2-f(x)+x$$

Sequence: A065678
Score: 7.63302
Type of gen. func.: ogf

$$\frac{x\,(x-1)\,(x^8+x^6+x^5+x^4+x^3+3\,x^2+2\,x+1)}{x^9+x^6+3\,x^3-1}$$

Sequence: A065679
Score: 10.8630
Type of gen. func.: ogf

$$\frac{x\,(x^2+1)\,(x^2-4\,x-1)}{(x+1)^3\,(x-1)^3}$$

Sequence: A065679
Score: 12.4889
Type of gen. func.: lgdogf

$$-\frac{2\,(x^5 - 6\,x^4 + 2\,x^3 - 16\,x^2 - 3\,x - 2)}{(x - 1)\,(x + 1)\,(x^2 + 1)\,(x^2 - 4\,x - 1)}$$

Sequence: A065685
Score: 19.4080
Type of gen. func.: ogf

$$-\frac{x^{17}\,(x + 1)}{x - 1}$$

Sequence: A065685
Score: 36.0251
Type of gen. func.: lgdogf

$$a(n + 2) - a(n),\ a(0) = 2,\ a(1) = 0$$

Sequence: A065685
Score: 43.3476
Type of gen. func.: ogf_with_Euler_transform]

$$[2 - x]$$

Sequence: A065686
Score: 15.2708
Type of gen. func.: ogf

$$-\frac{x^3\,(x^{18} + x^{17} + x^{16} + 1)}{x - 1}$$

Sequence: A065687

Score: 18.9129
Type of gen. func.: ogf

$$-\frac{x^{22}(x+1)}{x-1}$$

Sequence: A065687
Score: 36.0251
Type of gen. func.: lgdogf

$$a(n+2)-a(n),\ a(0)=2,\ a(1)=0$$

Sequence: A065692
Score: 10.0973
Type of gen. func.: ogf

$$\frac{3(x-1)x}{(-1+4x)(13x^2-5x+1)}$$

Sequence: A065692
Score: 10.4703
Type of gen. func.: lgdogf

$$-\frac{104x^3-189x^2+66x-8}{(x-1)(-1+4x)(13x^2-5x+1)}$$

Sequence: A065692
Score: 5.04868
Type of gen. func.: ogf

$$-(843f(x)-1975)(52f(x)x^3-33f(x)x^2+9f(x)x-3x^2-f(x)+3x)$$

Sequence: A065692
Score: 5.22582
Type of gen. func.: ogf

$$\{a(n+3)-9a(n+2)+33a(n+1)-52a(n),\ a(0)=0,\ a(1)=3,\ a(2)=24\}$$

Sequence: A065693
Score: 5.13572
Type of gen. func.: ogf

$$(71 f(x) - 79) (52 f(x) x^3 - 33 f(x) x^2 + 9 f(x) x + 25 x^2 - f(x) - 8 x + 1)$$

Sequence: A065693
Score: 5.22582
Type of gen. func.: ogf

$$\{-a(n + 3) + 9 a(n + 2) - 33 a(n + 1) + 52 a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A065693
Score: 8.10002
Type of gen. func.: lgdogf

$$- \frac{1300 x^4 - 832 x^3 + 195 x^2 - 16 x + 1}{(-1 + 4 x) (25 x^2 - 8 x + 1) (13 x^2 - 5 x + 1)}$$

Sequence: A065693
Score: 9.30848
Type of gen. func.: ogf

$$- \frac{25 x^2 - 8 x + 1}{(-1 + 4 x) (13 x^2 - 5 x + 1)}$$

Sequence: A065694
Score: 5.40269
Type of gen. func.: ogf

$$(891 f(x) - 6491)$$

$$(52 f(x) x^3 - 33 f(x) x^2 + 9 f(x) x + 17 x^2 - f(x) - 10 x + 2)$$

Sequence: A065694
Score: 5.63758
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 33 a(n + 1) - 52 a(n), a(0) = 2, a(1) = 8, a(2) = 23\}$$

Sequence: A065694
Score: 8.58932
Type of gen. func.: lgdogf

$$-\frac{884 x^4 - 1040 x^3 + 489 x^2 - 98 x + 8}{(-1 + 4 x) (17 x^2 - 10 x + 2) (13 x^2 - 5 x + 1)}$$

Sequence: A065694
Score: 9.97418
Type of gen. func.: ogf

$$-\frac{17 x^2 - 10 x + 2}{(-1 + 4 x) (13 x^2 - 5 x + 1)}$$

Sequence: A065705
Score: 13.5955
Type of gen. func.: ogf

$$-\frac{123 x - 2}{x^2 - 123 x + 1}$$

Sequence: A065705
Score: 15.6035
Type of gen. func.: lgdogf

$$-\frac{123 x^2 - 4 x + 123}{(123 x - 2) (x^2 - 123 x + 1)}$$

Sequence: A065705
Score: 6.59585
Type of gen. func.: ogf

$$-(15125 f(x) - 15121) (f(x) x^2 - 123 f(x) x + f(x) + 123 x - 2)$$

Sequence: A065705
Score: 7.74628
Type of gen. func.: ogf

$$\{a(n + 2) - 123 a(n + 1) + a(n), a(0) = 2, a(1) = 123\}$$

Sequence: A065707
Score: 2.94365
Type of gen. func.: ogf

$$\{(-3 - n) a(n + 1) + (4 n^2 + 17 n + 13) a(n + 2) + (4 n^2 + 31 n + 55) a(n + 3)$$
$$+ (n + 3) a(n + 4), a(0) = 0, a(1) = 1, a(2) = -9, a(3) = 126\}$$

Sequence: A065759
Score: 8.41380
Type of gen. func.: ogf

$$- \frac{3442 x^4 + 2361 x^3 + 1642 x^2 + 1461 x + 655}{10 x^5 - 1}$$

Sequence: A065866
Score: 11.7778
Type of gen. func.: egf]

$$-f(x)^2 x^2 - 2 f(x) x + f(x) - 1$$

Sequence: A065866
Score: 17.9553
Type of gen. func.: lgdegf]

$$\frac{4}{\qquad}$$

$$(1 - 4 x)^{1/2} (1 + (1 - 4 x)^{1/2})$$

Sequence: A065866
Score: 5.29901
Type of gen. func.: ogf

$$\{(4 n^2 + 18 n + 20) a(n + 1) + (-n - 4) a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A065874
Score: 17.4842
Type of gen. func.: revogf

$$\frac{-1 - x + (169 x^2 + 2 x + 1)^{1/2}}{84 x}$$

Sequence: A065874
Score: 18.3567
Type of gen. func.: ogf

$$- \frac{1}{(6 x + 1) (7 x - 1)}$$

Sequence: A065874
Score: 24.4779
Type of gen. func.: lgdogf

$$- \frac{1 + 84 x}{(6 x + 1) (7 x - 1)}$$

Sequence: A065874
Score: 7.09235
Type of gen. func.: ogf

$$(1891 f(x) - 1890) (42 f(x) x^2 + f(x) x - f(x) + 1)$$

Sequence: A065874
Score: 7.51960
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 42 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A065885
Score: 7.02216
Type of gen. func.: ogf

$$\frac{x^9 + 14 x^8 - 29 x^7 - 37 x^6 + x^5 - 6 x^4 - 7 x^3 - 6 x^2 - x + 2}{(x^2 - 3 x + 1) (x + 1)}$$

Sequence: A065919
Score: 14.6812
Type of gen. func.: lgdegf]

$$15 + 8 x + (-8 + 64 x) f(x) + (64 x^2 - 16 x + 1) f(x)^2$$

Sequence: A065919
Score: 2.97423
Type of gen. func.: ogf

$$\{(n + 2) a(n + 1) + (8 n^2 + 37 n + 44) a(n + 2) + (8 n^2 + 59 n + 110) a(n + 3)$$
$$+ (-n - 4) a(n + 4), a(0) = 1, a(1) = 5, a(2) = 61, a(3) = 1225\}$$

Sequence: A065919
Score: 29.3624
Type of gen. func.: revegf]

$$-\ln(x + 1) (2 \ln(x + 1) - 1)$$

Sequence: A065921
Score: 2.85920
Type of gen. func.: ogf

$$\{(-3 - n) a(n + 1) + (-6 n^2 - 28 n - 37) a(n + 2)$$

$$+ (-6 n^2 - 44 n - 85) a(n + 3) + (n + 3) a(n + 4), a(0) = 0, a(1) = 1,$$

$$a(2) = 21, a(3) = 501\}$$

Sequence: A065922
Score: 3.05314
Type of gen. func.: ogf

$$\{(-3 - n) a(n + 1) + (-8 n^2 - 37 n - 47) a(n + 2)$$

$$+ (-8 n^2 - 59 n - 113) a(n + 3) + (n + 3) a(n + 4), a(0) = 0, a(1) = 1,$$

$$a(2) = 27, a(3) = 846\}$$

Sequence: A065923
Score: 14.5033
Type of gen. func.: lgdegf]

$$8 - 6 x + (6 + 36 x) f(x) + (36 x^2 + 12 x + 1) f(x)^2$$

Sequence: A065923
Score: 24.3656
Type of gen. func.: revegf]

$$1/2 \ln(x + 1) (3 \ln(x + 1) + 2)$$

Sequence: A065928
Score: 14.0801
Type of gen. func.: ogf

$$\frac{3 x - 2}{(x - 1) (x^2 - 6 x + 1)}$$

Sequence: A065928
Score: 6.54603
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 7 a(n + 1) - a(n), a(0) = 2, a(1) = 11, a(2) = 63\}$$

Sequence: A065928
Score: 6.84631
Type of gen. func.: ogf

$$(9161 f(x) + 1286) (f(x) x^3 - 7 f(x) x^2 + 7 f(x) x - f(x) - 3 x + 2)$$

Sequence: A065928
Score: 9.65776
Type of gen. func.: lgdogf

$$- \frac{6 x^3 - 27 x^2 + 28 x - 11}{(x - 1) (3 x - 2) (x^2 - 6 x + 1)}$$

Sequence: A065929
Score: 11.9384
Type of gen. func.: ogf

$$\frac{4 x - 3}{(x - 1) (x^2 - 12 x + 1)}$$

Sequence: A065929
Score: 5.61205
Type of gen. func.: ogf

$$\{a(n + 3) - 13 a(n + 2) + 13 a(n + 1) - a(n), a(0) = 3, a(1) = 35, a(2) = 416\}$$

Sequence: A065929
Score: 5.70965
Type of gen. func.: ogf

$$(1873473 f(x) + 94565) (f(x) x^3 - 13 f(x) x^2 + 13 f(x) x - f(x) - 4 x + 3)$$

Sequence: A065929
Score: 9.88846
Type of gen. func.: lgdogf

$$-\frac{8x^3-61x^2+78x-35}{(x-1)(4x-3)(x^2-12x+1)}$$

Sequence: A065930
Score: 4.51133
Type of gen. func.: ogf

$\{a(n+3)-21a(n+2)+21a(n+1)-a(n), a(0)=4, a(1)=79, a(2)=1575\}$

Sequence: A065930
Score: 4.54989
Type of gen. func.: ogf

$$(23439478f(x)+551283)(f(x)x^3-21f(x)x^2+21f(x)x-f(x)-5x+4)$$

Sequence: A065930
Score: 9.65272
Type of gen. func.: lgdogf

$$-\frac{10x^3-117x^2+168x-79}{(x-1)(5x-4)(x^2-20x+1)}$$

Sequence: A065930
Score: 9.67885
Type of gen. func.: ogf

$$\frac{5x-4}{(x-1)(x^2-20x+1)}$$

Sequence: A065942
Score: 9.4682
Type of gen. func.: ogf

$$-27f(x)^3x^2+4f(x)^3-9f(x)x-4f(x)+x$$

Sequence: A065944
Score: 2.98462
Type of gen. func.: ogf

$$\{(-n^2 - 7 n - 12) a(n + 1) + (2 n^3 + 15 n^2 + 33 n + 20) a(n + 2) + (n^2 + 3 n + 2) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 6\}$$

Sequence: A065945
Score: 3.20276
Type of gen. func.: ogf

$$\{(-n^2 - 7 n - 12) a(n + 1) + (-4 n^3 - 30 n^2 - 78 n - 70) a(n + 2) + (n^2 + 3 n + 2) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 6\}$$

Sequence: A065946
Score: 3.14117
Type of gen. func.: ogf

$$\{(n^2 + 7 n + 12) a(n + 1) + (-4 n^3 - 30 n^2 - 70 n - 50) a(n + 2) + (-n^2 - 3 n - 2) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 6\}$$

Sequence: A065947
Score: 3.42727
Type of gen. func.: ogf

$$\{(-n^2 - 7 n - 12) a(n + 1) + (-6 n^3 - 45 n^2 - 115 n - 100) a(n + 2) + (n^2 + 3 n + 2) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 6\}$$

Sequence: A065948
Score: 3.41517
Type of gen. func.: ogf

$$\{(n^2 + 7 n + 12) a(n + 1) + (-6 n^3 - 45 n^2 - 107 n - 80) a(n + 2)$$

$+ (-n^2 - 3 n - 2) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 6\}$

Sequence: A065949
Score: 10.0205
Type of gen. func.: ogf

$$-\frac{90 x^3}{(x - 1)^7}$$

Sequence: A065949
Score: 102.273
Type of gen. func.: lgdogf

$$-\frac{7}{x - 1}$$

Sequence: A065949
Score: 6.52127
Type of gen. func.: ogf

$\{(-1 + n) a(n + 2) + (-5 - n) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 90$

$\}$

Sequence: A065950
Score: 3.16134
Type of gen. func.: ogf

$\{(n^2 + 8 n + 15) a(n + 1) + (2 n^3 + 15 n^2 + 43 n + 45) a(n + 2)$

$+ (-n^2 - 2 n) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 90\}$

Sequence: A065951
Score: 3.04091
Type of gen. func.: ogf

$\{(-n^2 - 8 n - 15) a(n + 1) + (2 n^3 + 15 n^2 + 31 n + 15) a(n + 2)$

$$+ (n^2 + 2 n) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 90\}$$

Sequence: A065961
Score: 5.29967
Type of gen. func.: ogf

$$\{(-27 n^3 - 216 n^2 - 573 n - 504) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 120\}$$

Sequence: A065982
Score: 3.85907
Type of gen. func.: ogf

$$64 f(x)^2 x^4 - 48 x^3 f(x)^2 + 12 f(x)^2 x^2 + 64 f(x) x^3 - f(x)^2 x - 64 f(x) x^2$$

$$+ 20 f(x) x + 16 x^2 - 2 f(x) - 16 x + 4$$

Sequence: A066021
Score: 4.74284
Type of gen. func.: ogf

$$- (335 x^{11} - 1340 x^{10} + 2107 x^9 - 1728 x^8 + 917 x^7 - 388 x^6 + 98 x^5 - 6 x^4$$

$$+ 14 x^3 - 17 x^2 + 5 x - 3) \Big/ (x - 1)^4$$

Sequence: A066023
Score: 15.9328
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 + 7 x + 4)}{(x - 1) (2 x^4 - 8 x^3 + 13 x^2 - 4 x + 3)}$$

Sequence: A066023
Score: 5.15945
Type of gen. func.: ogf

$$(23 f(x) + 25) (f(x) x^4 - 4 f(x) x^3 - 2 x^4 + 6 f(x) x^2 + 8 x^3 - 4 f(x) x - 13 x^2 + f(x) + 4 x - 3)$$

Sequence: A066023
Score: 8.87905
Type of gen. func.: ogf

$$\frac{2 x^4 - 8 x^3 + 13 x^2 - 4 x + 3}{(x - 1)^4}$$

Sequence: A066043
Score: 13.6323
Type of gen. func.: ogf

$$- \frac{x^4 - 4 x^2 - 2 x - 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A066043
Score: 17.0435
Type of gen. func.: lgdogf

$$\frac{2 (2 x^3 + 3 x^2 + 6 x + 1)}{(x - 1) (x + 1) (x^4 - 4 x^2 - 2 x - 1)}$$

Sequence: A066043
Score: 8.20460
Type of gen. func.: ogf

$$\{(n + 3) a(n) + (-n - 1) a(n + 2), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A066043
Score: 8.3594
Type of gen. func.: ogf

$$-(7 f(x) + 16) (f(x) x^4 + x^4 - 2 f(x) x^2 - 4 x^2 + f(x) - 2 x - 1)$$

Sequence: A066052
Score: 3.57136
Type of gen. func.: ogf

$$\{(-n^3 - 10 n^2 - 33 n - 36) a(n + 1) + (-n - 4) a(n + 2) + (n^2 + 8 n + 14) a(n + 3) + (-n - 2) a(n + 4), a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 14\}$$

Sequence: A066067
Score: 6.22755
Type of gen. func.: ogf

$$-\frac{x^7 + x^4 - 3 x^3 + 2 x^2 + x - 1}{(x^2 + x - 1) (x^4 + x^2 - 1) (x - 1)^2}$$

Sequence: A066070
Score: 13.6972
Type of gen. func.: ogf

$$-\frac{2 x^3 - x^2 - 6 x - 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A066070
Score: 15.8807
Type of gen. func.: lgdogf

$$-\frac{2 (x^4 - x^3 - 6 x^2 - 3 x - 3)}{(x - 1) (x + 1) (2 x^3 - x^2 - 6 x - 1)}$$

Sequence: A066070
Score: 8.24367

Type of gen. func.: ogf

$$-(24 f(x) - 169) (f(x) x^4 - 2 f(x) x^2 + 2 x^3 - x^2 + f(x) - 6 x - 1)$$

Sequence: A066104
Score: 16.6392
Type of gen. func.: ogf

$$\frac{2 x (x + 2)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A066104
Score: 27.1631
Type of gen. func.: lgdogf

$$- \frac{3 x^2 + 8 x + 1}{(x - 1) (x + 2) (x + 1)}$$

Sequence: A066104
Score: 4.49938
Type of gen. func.: ogf

$$\{(-6 - 2 n) a(n + 4) + (-n - 1) a(n + 3) + (10 + 2 n) a(n + 2) + (n + 3) a(n + 1), a(0) = 0, a(1) = 4, a(2) = 2, a(3) = 8\}$$

Sequence: A066104
Score: 9.38167
Type of gen. func.: ogf

$$-(6 f(x) - 25) (f(x) x^4 - 2 f(x) x^2 - 2 x^2 + f(x) - 4 x)$$

Sequence: A066106
Score: 11.9594
Type of gen. func.: ogf

$$\frac{4 x (x^2 - 2 x - 1)}{}$$

$$(x + 1)^3 (x - 1)^3$$

Sequence: A066106
Score: 17.3004
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^3 - 5 x^2 - 2 x - 1)}{(x - 1) (x + 1) (x^2 - 2 x - 1)}$$

Sequence: A066107
Score: 10.2143
Type of gen. func.: lgdogf

$$-\frac{2 (x^6 - x^5 - 7 x^4 + 10 x^3 + 3 x^2 + 15 x + 3)}{(x - 1) (x + 1) (2 x^5 - x^4 - 8 x^3 + 6 x^2 + 6 x + 3)}$$

Sequence: A066107
Score: 4.53127
Type of gen. func.: ogf

$$\{(n^3 + 8 n^2 + 15 n) a(n) + (-8 - 4 n) a(n + 1) + (-n^3 - 4 n^2 + n + 4) a(n + 2),$$

$$a(0) = 0, a(1) = 3, a(2) = 6, a(3) = 15\}$$

Sequence: A066107
Score: 8.91637
Type of gen. func.: ogf

$$-\frac{x (2 x^5 - x^4 - 8 x^3 + 6 x^2 + 6 x + 3)}{(x + 1)^3 (x - 1)^3}$$

Sequence: A066114
Score: 13.1101
Type of gen. func.: egf]

$$\frac{x^2 + 2}{2 (x - 1)^2}$$

Sequence: A066114
Score: 28.6462
Type of gen. func.: lgdegf]

$$- \frac{2 (x + 2)}{(x - 1) (x^2 + 2)}$$

Sequence: A066114
Score: 3.24441
Type of gen. func.: ogf

$$\{(-n^2 - n) a(n) + (2 n^2 + 9 n + 5) a(n + 1) + (-3 n^2 - 23 n - 40) a(n + 2) + (3 n + 9) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 7\}$$

Sequence: A066114
Score: 9.58797
Type of gen. func.: egf]

$$-2 f(x) x^2 + 4 f(x) x + x^2 - 2 f(x) + 2$$

Sequence: A066118
Score: 13.3270
Type of gen. func.: egf]

$$- \frac{1 + 2 x}{(x - 1)^3}$$

Sequence: A066118
Score: 21.6922
Type of gen. func.: revegf]

$$-1 - 2 x + (6 x + 1)^{1/2}$$

$$- \frac{}{-1 + 2 x}$$

Sequence: A066118
Score: 31.5523
Type of gen. func.: lgdegf]

$$- \frac{4 x + 5}{(1 + 2 x) (x - 1)}$$

Sequence: A066118
Score: 4.13058
Type of gen. func.: ogf

$$\{(-2 n^2 - 10 n - 12) a(n + 1) + (-3 n^2 - 22 n - 47) a(n + 2)$$

$$+ (3 n + 9) a(n + 3), a(0) = 1, a(1) = 5, a(2) = 24\}$$

Sequence: A066118
Score: 6.2507
Type of gen. func.: egf]

$$-(1053 f(x) - 2005) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 2 x + 1)$$

Sequence: A066138
Score: 10.3035
Type of gen. func.: ogf

$$- \frac{3 (370 x^2 - 74 x + 1)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A066138
Score: 5.69001
Type of gen. func.: ogf

$$(977801 f(x) - 444561)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 1110 x^2 - f(x) - 222 x + 3)$$

Sequence: A066138
Score: 6.05129
Type of gen. func.: ogf

$$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 3, a(1) = 111, a(2) = 10101\}$$

Sequence: A066164
Score: 13.1334
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 180$$

Sequence: A066164
Score: 22.8896
Type of gen. func.: ogf

$$\frac{180}{(x - 1)^2}$$

Sequence: A066164
Score: 30.2343
Type of gen. func.: revogf

$$\frac{5 x}{(15 + (225 + 5 x)^{1/2})^2}$$

Sequence: A066164
Score: 9.31553
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 180, a(1) = 360\}$$

Sequence: A066178
Score: 8.93847
Type of gen. func.: lgdogf

$$-\frac{7 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1}{x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A066178
Score: 9.00800
Type of gen. func.: ogf

$$-\frac{1}{x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A066223
Score: 14.2597
Type of gen. func.: lgdegf]

$$-10 + 10 x + (20 x^2 - 16 x + 1) f(x) + (8 x^2 - 8 x + 2) f(x)^2$$

Sequence: A066223
Score: 4.96553
Type of gen. func.: ogf

$$\{(-4 n^2 - 14 n - 12) a(n + 1) + (4 n + 10) a(n + 2) - a(n + 3), a(0) = 1,$$

$$a(1) = 2, a(2) = 10\}$$

Sequence: A066224
Score: 24.0148
Type of gen. func.: lgdegf]

$$-\frac{2 (3 x - 2)}{(-1 + 2 x)^2}$$

Sequence: A066224
Score: 3.53181
Type of gen. func.: ogf

2

$\{(-4 n - 18 n - 20) a(n + 1) + (4 n + 12) a(n + 2) - a(n + 3), a(0) = 1,$

$a(1) = 4, a(2) = 26\}$

Sequence: A066258
Score: 10.7827
Type of gen. func.: lgdogf

$$-\frac{3 x^{4} + 2 x^{3} - 15 x^{2} + 12 x + 2}{(x - 1) (x^{2} + 4 x - 1) (x^{2} - x - 1)}$$

Sequence: A066258
Score: 4.6467
Type of gen. func.: ogf

$$-(317 f(x) - 20) (f(x) x^{4} + 3 f(x) x^{3} - 6 f(x) x^{2} - 3 f(x) x + x^{2} + f(x) - x)$$

Sequence: A066258
Score: 9.43637
Type of gen. func.: ogf

$$-\frac{(x - 1) x}{(x^{2} + 4 x - 1) (x^{2} - x - 1)}$$

Sequence: A066259
Score: 10.1261
Type of gen. func.: ogf

$$\frac{x + 1}{(x^{2} + 4 x - 1) (x^{2} - x - 1)}$$

Sequence: A066259
Score: 12.1030
Type of gen. func.: lgdogf

$$-\frac{(3 x + 1) (x - 1) (x + 2)^{2}}{\quad}$$

$$(x + 1) (x^2 + 4 x - 1) (x^2 - x - 1)$$

Sequence: A066259
Score: 4.90232
Type of gen. func.: ogf

$$(9998 f(x) - 245) (f(x) x^4 + 3 f(x) x^3 - 6 f(x) x^2 - 3 f(x) x + f(x) - x - 1)$$

Sequence: A066280
Score: 5.34661
Type of gen. func.: ogf

$$-(5 f(x) + 3) (6 f(x) x^3 - 11 f(x) x^2 + 6 f(x) x + 15 x^2 - f(x) - 18 x + 5)$$

Sequence: A066280
Score: 5.48609
Type of gen. func.: ogf

$\{-a(n + 3) + 6 a(n + 2) - 11 a(n + 1) + 6 a(n), a(0) = 5, a(1) = 12, a(2) = 32\}$

Sequence: A066280
Score: 8.58368
Type of gen. func.: lgdogf

$$-\frac{2 (45 x^4 - 108 x^3 + 99 x^2 - 40 x + 6)}{(x - 1) (3 x - 1) (-1 + 2 x) (15 x^2 - 18 x + 5)}$$

Sequence: A066280
Score: 9.85781
Type of gen. func.: ogf

$$-\frac{15 x^2 - 18 x + 5}{(x - 1) (3 x - 1) (-1 + 2 x)}$$

Sequence: A066310
Score: 5.53606
Type of gen. func.: ogf

$$- (3 x^{29} - 2 x^{28} + 3 x^{22} - 3 x^{21} + 4 x^{16} - 3 x^{14} - 3 x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 2) / ((x + 1) (x^{4} + 1) (x^{2} + 1) (x - 1)^{2})$$

Sequence: A066318
Score: 17.0245
Type of gen. func.: egf]

$$-2 f(x) x + f(x) - 2$$

Sequence: A066318
Score: 27.9202
Type of gen. func.: egf]

$$- \frac{2}{-1 + 2 x}$$

Sequence: A066318
Score: 52.3157
Type of gen. func.: lgdegf]

$$- \frac{2}{-1 + 2 x}$$

Sequence: A066318
Score: 7.93188
Type of gen. func.: ogf

$$\{(-2 n - 4) a(n + 1) + a(n + 2), a(0) = 2, a(1) = 4\}$$

Sequence: A066323
Score: 5.48481
Type of gen. func.: ogf

$$- x (4 x^{15} - x^{14} - x^{13} - x^{12} + 4 x^{11} - x^{10} - x^{9} - x^{8} + 4 x^{7} - x^{6} - x^{5} - x^{4} - x^{3}$$

$$- x^2 - x - 1) \Big/ ((x + 1) (x^2 + 1) (x^8 + 1) (x^4 + 1) (x - 1)^2)$$

Sequence: A066342
Score: 7.61269
Type of gen. func.: ogf

$$-\frac{3 x^5 - 2 x^4 - 2 x^3 + 3 x^2 - 1}{(x - 1)^2 (2 x^2 - 1)^2}$$

Sequence: A066342
Score: 8.22591
Type of gen. func.: lgdogf

$$-\frac{6 x^7 - 2 x^6 - 3 x^5 + 9 x^4 - 6 x^3 - 6 x^2 + 2 x + 2}{(x - 1) (2 x^2 - 1) (3 x^5 - 2 x^4 - 2 x^3 + 3 x^2 - 1)}$$

Sequence: A066344
Score: 9.50202
Type of gen. func.: ogf

$$\frac{2 x^6 + x^5 + 2 x^4 + x^3 + 2 x^2 + x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A066345
Score: 5.68484
Type of gen. func.: ogf

$$-\frac{4 x^5 - 4 x^4 - 4 x^3 + 3 x^2 + x - 1}{(x - 1) (-1 + 2 x) (x + 1) (2 x^2 - 1)^2}$$

Sequence: A066357
Score: 3.25210

Type of gen. func.: ogf

$$\{(512 n^3 + 2304 n^2 + 3424 n + 1680) a(n + 1) + (-64 n^3 - 448 n^2 - 1038 n - 810) a(n + 2) + (2 n^3 + 19 n^2 + 59 n + 60) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 6\}$$

Sequence: A066368
Score: 10.4883
Type of gen. func.: lgdogf

$$-\frac{18 x^4 - 17 x^3 + 3 x^2 - x + 1}{(x - 1) (-1 + 2 x) (9 x^3 - 11 x^2 + 5 x - 1)}$$

Sequence: A066368
Score: 4.41389
Type of gen. func.: ogf

$$-(20 f(x) + 1291) (4 f(x) x^4 - 12 f(x) x^3 + 13 f(x) x^2 + 9 x^3 - 6 f(x) x - 11 x^2 + f(x) + 5 x - 1)$$

Sequence: A066368
Score: 8.16570
Type of gen. func.: ogf

$$-\frac{9 x^3 - 11 x^2 + 5 x - 1}{(-1 + 2 x)^2 (x - 1)^2}$$

Sequence: A066373
Score: 14.2914
Type of gen. func.: ogf

$$-\frac{x - 2}{(-1 + 2 x)^2}$$

Sequence: A066373
Score: 20.3157
Type of gen. func.: revogf

$$-\frac{-1 - 2 x + (3 x + 1)^{1/2}}{1 + 4 x}$$

Sequence: A066373
Score: 27.3820
Type of gen. func.: lgdogf

$$-\frac{-7 + 2 x}{(-1 + 2 x) (x - 2)}$$

Sequence: A066373
Score: 7.39213
Type of gen. func.: ogf

$$(12 f(x) + 25) (4 f(x) x^2 - 4 f(x) x + f(x) + x - 2)$$

Sequence: A066373
Score: 7.84287
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 4 a(n), a(0) = 2, a(1) = 7\}$$

Sequence: A066374
Score: 4.52898
Type of gen. func.: ogf

$$(6 f(x) + 5861) (4 f(x) x^4 - 12 f(x) x^3 + 13 f(x) x^2 + 3 x^3 - 6 f(x) x - 3 x^2 + f(x) + 4 x - 2)$$

Sequence: A066374
Score: 8.14070
Type of gen. func.: ogf

$$-\frac{3x^3-3x^2+4x-2}{(-1+2x)^2(x-1)^2}$$

Sequence: A066374
Score: 9.99660
Type of gen. func.: lgdogf

$$-\frac{6x^4-3x^3+15x^2-22x+8}{(x-1)(-1+2x)(3x^3-3x^2+4x-2)}$$

Sequence: A066375
Score: 13.3681
Type of gen. func.: lgdogf

$$-\frac{2(x^4+4x^3+6x^2+2x+2)}{(x-1)(2x^4+4x^2-x+1)}$$

Sequence: A066375
Score: 7.84629
Type of gen. func.: ogf

$$-\frac{2x^4+4x^2-x+1}{(x-1)^5}$$

Sequence: A066377
Score: 11.4251
Type of gen. func.: lgdogf

$$-\frac{5x^5-4x^4-7x^3-9x^2-6x-3}{(x-1)(x^2+x+1)(x^3-x^2-x-1)}$$

Sequence: A066377
Score: 6.74403
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 - x - 1}{(x^2 + x + 1)^2 (x - 1)^4}$$

Sequence: A066380
Score: 5.10861
Type of gen. func.: ogf

$$216 f(x)^3 x^2 - 59 f(x)^3 x + 4 f(x)^3 + 27 f(x)^2 x - 4 f(x)^2 + 15 f(x) x + x$$

Sequence: A066393
Score: 7.86972
Type of gen. func.: lgdogf

$$-\frac{3 (x + 1) (x^6 + 3 x^5 + 3 x^4 + 10 x^3 + 3 x^2 + 3 x + 1)}{(x - 1) (x^6 + 3 x^5 + 6 x^4 + 4 x^3 + 6 x^2 + 3 x + 1) (x^2 + x + 1)}$$

Sequence: A066393
Score: 8.75960
Type of gen. func.: ogf

$$\frac{x^6 + 3 x^5 + 6 x^4 + 4 x^3 + 6 x^2 + 3 x + 1}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A066394
Score: 7.69518
Type of gen. func.: lgdogf

$$\frac{2 (x^6 + 10 x^5 + 11 x^4 + 52 x^3 + 11 x^2 + 10 x + 1)}{(x - 1) (x + 1) (3 x^6 - 2 x^5 - 19 x^4 - 4 x^3 - 7 x^2 - 2 x - 1)}$$

Sequence: A066394
Score: 8.41904
Type of gen. func.: ogf

$$\frac{3 x^6 - 2 x^5 - 19 x^4 - 4 x^3 - 7 x^2 - 2 x - 1}{(x + 1)^3 (x - 1)^3}$$

Sequence: A066399
Score: 11.6131
Type of gen. func.: revegf]

$(n + 2) a(n + 3) + (-1 + n) a(n + 2) - a(n + 1), a(0) = 0, a(1) = 1, a(2) = 2$

Sequence: A066403
Score: 16.8605
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 + 10 x - 23)}{(x + 1) (x^2 - 14 x + 1)}$$

Sequence: A066403
Score: 3.44004
Type of gen. func.: ogf

$\{(n + 3) a(n + 4) + (-72 - 13 n) a(n + 3) + (7 - 13 n) a(n + 2)$

$+ (n + 2) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 46, a(3) = 1347\}$

Sequence: A066403
Score: 6.09551
Type of gen. func.: ogf

$$\frac{x (x + 1)^4}{(x^2 - 14 x + 1)^3}$$

Sequence: A066404
Score: 6.67781
Type of gen. func.: lgdogf

$$\frac{2 x^5 - 305 x^4 - 12020 x^3 - 5890 x^2 - 7990 x + 739}{(x^2 - 11 x - 1) (x^4 + 228 x^3 + 494 x^2 - 228 x + 1)}$$

Sequence: A066405
Score: 3.60029
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (-7 + 13 n) a(n + 3) + (46 + 13 n) a(n + 2) + (1 - n) a(n + 1), a(0) = 1, a(1) = -46, a(2) = 769, a(3) = -5632\}$$

Sequence: A066405
Score: 6.70964
Type of gen. func.: ogf

$$\frac{(x^2 - 14 x + 1)^3}{(x + 1)^4}$$

Sequence: A066406
Score: 11.8068
Type of gen. func.: ogf

$$-12 f(x) x^2 + 8 f(x) x - f(x) + 24 x$$

Sequence: A066406
Score: 16.5193
Type of gen. func.: revogf

$$- \frac{-6 - 2 x + (x^2 + 24 x + 36)^{1/2}}{6 x}$$

Sequence: A066406
Score: 18.4670

Type of gen. func.: ogf

$$\frac{24 x}{(6 x - 1) (-1 + 2 x)}$$

Sequence: A066406
Score: 21.4139
Type of gen. func.: lgdogf

$$- \frac{8 (3 x - 1)}{(6 x - 1) (-1 + 2 x)}$$

Sequence: A066406
Score: 8.67725
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 12 a(n), a(0) = 0, a(1) = 24\}$$

Sequence: A066407
Score: 4.71587
Type of gen. func.: ogf

$$-(61 f(x) - 360) (1280 f(x) x^4 - 1184 f(x) x^3 + 336 f(x) x^2 - 11520 x^3 - 34 f(x) x - 2880 x^2 + f(x))$$

Sequence: A066407
Score: 8.43308
Type of gen. func.: ogf

$$\frac{2880 x^2 (1 + 4 x)}{(-1 + 4 x) (20 x - 1) (-1 + 2 x) (8 x - 1)}$$

Sequence: A066407
Score: 8.67111
Type of gen. func.: lgdogf

$$2 (7680 x^4 - 2176 x^3 - 1104 x^2 + 336 x - 19)$$

$$-\frac{}{(-1 + 4 x) (20 x - 1) (-1 + 2 x) (8 x - 1) (1 + 4 x)}$$

Sequence: A066431
Score: 13.3721
Type of gen. func.: ogf

$$(9 f(x) x - f(x) + 81 x)^{3}$$

Sequence: A066443
Score: 12.4178
Type of gen. func.: ogf

$$-\frac{3 x - 1}{(9 x - 1) (x - 1)}$$

Sequence: A066443
Score: 13.0103
Type of gen. func.: revogf

$$-\frac{-1 - 10 x + (64 x^{2} + 8 x + 1)^{1/2}}{6 (3 x + 1)}$$

Sequence: A066443
Score: 14.3447
Type of gen. func.: lgdogf

$$-\frac{27 x^{2} - 18 x + 7}{(x - 1) (3 x - 1) (9 x - 1)}$$

Sequence: A066443
Score: 6.01285
Type of gen. func.: ogf

$$-(3280 f(x) - 879) (9 f(x) x^{2} - 10 f(x) x + f(x) + 3 x - 1)$$

Sequence: A066443
Score: 6.88218
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 9 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A066444
Score: 10.7585
Type of gen. func.: ogf

$$-(11 f(x) x - f(x) + 121 x)^{2}$$

Sequence: A066445
Score: 10.1163
Type of gen. func.: ogf

$$-(12 f(x) x - f(x) + 144 x)^{2}$$

Sequence: A066455
Score: 13.2882
Type of gen. func.: lgdogf

$$-\frac{5 x^{4} + 10 x^{3} + 9 x^{2} + 4 x + 2}{(x - 1) (5 x^{4} - 5 x^{3} + 8 x^{2} - 3 x + 1)}$$

Sequence: A066455
Score: 8.40691
Type of gen. func.: ogf

$$-\frac{5 x^{4} - 5 x^{3} + 8 x^{2} - 3 x + 1}{(x - 1)^{5}}$$

Sequence: A066456
Score: 6.24673
Type of gen. func.: ogf

$$-\frac{2x^7+x^6-4x^5+2x^4+4x^3-2x^2-x+1}{(x+1)^3(x-1)^5}$$

Sequence: A066456
Score: 6.52932
Type of gen. func.: lgdogf

$$-\frac{2x^8+6x^7+4x^6+6x^5+4x^4+4x^3+x^2+2x+1}{(x-1)(x+1)(2x^7+x^6-4x^5+2x^4+4x^3-2x^2-x+1)}$$

Sequence: A066481
Score: 14.7704
Type of gen. func.: ogf

$$-\frac{x^3-x-2}{(x^2+x+1)(x-1)^2}$$

Sequence: A066481
Score: 16.0697
Type of gen. func.: lgdogf

$$-\frac{x^5+x^4-2x^3-6x^2-3x-3}{(x-1)(x^2+x+1)(x^3-x-2)}$$

Sequence: A066481
Score: 5.49388
Type of gen. func.: ogf

$\{(6 + n) a(n + 1) + a(n + 2) + a(n + 3) + (-5 - n) a(n + 4), a(0) = 2, a(1) = 3,$

$a(2) = 3, a(3) = 4\}$

Sequence: A066481
Score: 7.76721
Type of gen. func.: ogf

$$-(5 f(x) + 21) (f(x) x^4 - f(x) x^3 + x^3 - f(x) x + f(x) - x - 2)$$

Sequence: A066524
Score: 11.3270
Type of gen. func.: ogf

$$-\frac{x (2 x^2 - 1)}{(-1 + 2 x)^2 (x - 1)^2}$$

Sequence: A066524
Score: 15.5537
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^3 - 6 x + 3)}{(x - 1) (-1 + 2 x) (2 x^2 - 1)}$$

Sequence: A066524
Score: 4.31200
Type of gen. func.: ogf

$$\{(-2 n^2 - 10 n - 12) a(n + 1) + (3 n^2 + 12 n + 9) a(n + 2) + (-n^2 - 3 n - 2) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 6\}$$

Sequence: A066524
Score: 5.66352
Type of gen. func.: ogf

$$-(38 f(x) - 769)$$

$$(4 f(x) x^4 - 12 f(x) x^3 + 13 f(x) x^2 + 2 x^3 - 6 f(x) x + f(x) - x)$$

Sequence: A066530
Score: 13.3914
Type of gen. func.: lgdogf

$$-\frac{2x^6 + x^5 + 5x^4 + 7x^3 + 5x^2 + 2x + 2}{(x - 1)(x + 1)(x^2 + 1)(x^3 + x + 1)}$$

Sequence: A066530
Score: 14.7704
Type of gen. func.: ogf

$$\frac{x^3 + x + 1}{(x^2 + 1)(x + 1)(x - 1)^2}$$

Sequence: A066532
Score: 12.0180
Type of gen. func.: ogf

$$-\frac{2x^3 + 4x^2 - 2x - 1}{(x - 1)(1 + 2x)(-1 + 2x)(x + 1)}$$

Sequence: A066532
Score: 8.80715
Type of gen. func.: lgdogf

$$-\frac{2(4x^6 + 16x^5 - 7x^4 - 8x^3 + 2x^2 + x + 1)}{(x - 1)(1 + 2x)(-1 + 2x)(x + 1)(2x^3 + 4x^2 - 2x - 1)}$$

Sequence: A066532
Score: 9.88827
Type of gen. func.: ogf

$$4f(x)x^4 - 5f(x)x^2 + 2x^3 + 4x^2 + f(x) - 2x - 1$$

Sequence: A066534
Score: 3.28104
Type of gen. func.: ogf

$\{(2 n^2 + 10 n + 12) a(n + 1) + (-n^2 - 7 n - 12) a(n + 2) + (n + 2) a(n + 3),$

$a(0) = 0, a(1) = 1, a(2) = 6\}$

Sequence: A066534
Score: 38.7305
Type of gen. func.: lgdegf]

$$\frac{2 x - 3}{x - 1}$$

Sequence: A066566
Score: 4.65079
Type of gen. func.: ogf

$$- \frac{x (277 x^{30} - 280 x^{29} + 250 x^{20} - 240 x^{19} + 10 x^{10} - 12)}{(3 x^{30} - 10 x^{20} - 10 x^{10} + 12) (x - 1)^2}$$

Sequence: A066568
Score: 10.0726
Type of gen. func.: lgdogf

$$- \frac{11 x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A066568
Score: 18.1349
Type of gen. func.: ogf

$$\frac{9 x^{10}}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A066586
Score: 13.0317

Type of gen. func.: ogf

$$\frac{2x^4 - 2x^3 - 3x^2 - 4x - 2}{x - 1}$$

Sequence: A066586
Score: 13.3977
Type of gen. func.: lgdogf

$$\frac{3(2x^4 - 4x^3 + x^2 + 2x + 2)}{(x - 1)(2x^4 - 2x^3 - 3x^2 - 4x - 2)}$$

Sequence: A066586
Score: 7.94932
Type of gen. func.: ogf

$$-(290 f(x) + 6109)(-2x^4 + 2x^3 + f(x)x + 3x^2 - f(x) + 4x + 2)$$

Sequence: A066587
Score: 3.80325
Type of gen. func.: ogf

$$\frac{3x^2 + 2x + 3}{(x + 1)(x - 1)^2}$$

Sequence: A066629
Score: 10.4909
Type of gen. func.: ogf

$$\frac{x^2 + x + 1}{(x - 1)(x + 1)(x^2 + x - 1)}$$

Sequence: A066629
Score: 11.2625

Type of gen. func.: lgdogf

$$-\frac{2\,(x^5+2\,x^4+3\,x^3+x^2-3\,x-1)}{(x-1)\,(x+1)\,(x^2+x+1)\,(x^2+x-1)}$$

Sequence: A066629
Score: 5.44264
Type of gen. func.: ogf

$$(286\,f(x)+111)\,(f(x)\,x^4+f(x)\,x^3-2\,f(x)\,x^2-f(x)\,x-x^2+f(x)-x-1)$$

Sequence: A066668
Score: 24.2382
Type of gen. func.: lgdegf]

$$2\,x-1+(x^2-2\,x+1)\,f(x)$$

Sequence: A066668
Score: 5.23318
Type of gen. func.: ogf

$$\{(-n^2-5\,n-6)\,a(n+1)+(2\,n+5)\,a(n+2)-a(n+3),\ a(0)=1,\ a(1)=1,\ a(2)=1\}$$

Sequence: A066710
Score: 4.44093
Type of gen. func.: ogf

$$-3\,(33\,x^{13}+15\,x^{12}+14841\,x^{11}+4107\,x^{10}+1161\,x^9+558\,x^8+296\,x^7+148\,x^6+41\,x^5+22\,x^4+11\,x^3+4\,x^2+2\,x+1)\ /\ ((x-1)\,(x+1)\,(x^2+1)\,(x^4+1))$$

Sequence: A066711

Score: 8.35211
Type of gen. func.: lgdogf

$$\frac{33 x^6 + 4 x^5 - 36 x^4 - 8 x^3 - 59 x^2 - 22 x - 2}{(x - 1) (x + 1) (11 x^5 + 2 x^4 + 19 x^3 + 10 x^2 + 2 x + 1)}$$

Sequence: A066711
Score: 9.60639
Type of gen. func.: ogf

$$- \frac{9 (11 x^5 + 2 x^4 + 19 x^3 + 10 x^2 + 2 x + 1)}{(x - 1) (x + 1)}$$

Sequence: A066714
Score: 13.7203
Type of gen. func.: lgdogf

$$- \frac{6 (x^4 + 2 x^3 + 10 x^2 + 2 x + 1)}{(x - 1) (x + 1) (x^2 + 1) (x^2 + 6 x + 1)}$$

Sequence: A066714
Score: 8.41904
Type of gen. func.: ogf

$$- \frac{(x^2 + 6 x + 1) (x^2 + 1)^2}{(x + 1)^3 (x - 1)^3}$$

Sequence: A066770
Score: 20.8418
Type of gen. func.: ogf

$$\frac{4}{25 x^2 - 6 x + 1}$$

Sequence: A066770
Score: 8.14508
Type of gen. func.: ogf

$$(779 f(x) - 8300) (25 f(x) x^2 - 6 f(x) x + f(x) - 4)$$

Sequence: A066770
Score: 8.43596
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 25 a(n), a(0) = 4, a(1) = 24\}$$

Sequence: A066771
Score: 15.3375
Type of gen. func.: ogf

$$- \frac{3 x - 1}{25 x^2 - 6 x + 1}$$

Sequence: A066771
Score: 17.7506
Type of gen. func.: lgdogf

$$- \frac{(15 x - 1) (-3 + 5 x)}{(3 x - 1) (25 x^2 - 6 x + 1)}$$

Sequence: A066771
Score: 8.01736
Type of gen. func.: ogf

$$(32 f(x) - 41) (25 f(x) x^2 - 6 f(x) x + f(x) + 3 x - 1)$$

Sequence: A066771
Score: 8.50033
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 25 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A066796
Score: 4.23740
Type of gen. func.: ogf

$$\{(-4 n - 14) a(n + 1) + (5 n + 18) a(n + 2) + (-n - 4) a(n + 3), a(0) = 2, a(1) = 8, a(2) = 28\}$$

Sequence: A066796
Score: 4.91154
Type of gen. func.: ogf

$$-4 f(x)^2 x^4 + 9 x^3 f(x)^2 - 6 f(x)^2 x^2 + f(x)^2 x + 8 f(x) x^2 - 10 f(x) x + 2 f(x) - 4$$

Sequence: A066802
Score: 3.09347
Type of gen. func.: ogf

$$\{(576 n^3 + 2592 n^2 + 3824 n + 1848) a(n + 1) + (-9 n^3 - 45 n^2 - 74 n - 40) a(n + 2), a(0) = 1, a(1) = 20\}$$

Sequence: A066804
Score: 20.2071
Type of gen. func.: lgdogf

$$- \frac{4 (x + 1) (3 x + 2)}{(x - 1) (4 x^2 + 3 x + 1)}$$

Sequence: A066804
Score: 3.69049
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (2 - 2 n) a(n + 3) + (18 - n) a(n + 2) + (16 + 4 n) a(n + 1), a(0) = 1, a(1) = 8, a(2) = 34, a(3) = 100\}$$

Sequence: A066804
Score: 9.38973
Type of gen. func.: ogf

$$-\frac{4x^2+3x+1}{(x-1)^5}$$

Sequence: A066810
Score: 14.6993
Type of gen. func.: ogf

$$-\frac{x^2}{(3x-1)(-1+2x)^2}$$

Sequence: A066810
Score: 23.1687
Type of gen. func.: lgdogf

$$-\frac{-7+18x}{(3x-1)(-1+2x)}$$

Sequence: A066810
Score: 5.64349
Type of gen. func.: ogf

$\{a(n+3) - 7a(n+2) + 16a(n+1) - 12a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$

Sequence: A066810
Score: 7.61531
Type of gen. func.: ogf

$$12 f(x) x^3 - 16 f(x) x^2 + 7 f(x) x + x^2 - f(x)$$

Sequence: A066822
Score: 4.09704
Type of gen. func.: ogf

$$\{(-3 n^2 - 33 n - 90) a(n + 1) + (-2 n^2 - 26 n - 84) a(n + 2) + (n^2 + 13 n + 30) a(n + 3), a(0) = 1, a(1) = 5, a(2) = 20\}$$

Sequence: A066822
Score: 5.80104
Type of gen. func.: lgdogf

$$-35 + 60 x + 144 x^2 + (72 x^3 + 27 x^2 - 38 x + 7) f(x) + (9 x^4 + 3 x^3 - 5 x^2 + x) f(x)^2$$

Sequence: A066827
Score: 12.2242
Type of gen. func.: ogf

$$- \frac{16 x^4 + 2 x - 3}{(x - 1) (1 + 2 x) (-1 + 2 x) (4 x^2 + 1)}$$

Sequence: A066827
Score: 9.12548
Type of gen. func.: lgdogf

$$- \frac{256 x^8 + 128 x^5 - 288 x^4 + 128 x^3 + 1}{(x - 1) (1 + 2 x) (-1 + 2 x) (4 x^2 + 1) (16 x^4 + 2 x - 3)}$$

Sequence: A066830
Score: 10.4679
Type of gen. func.: ogf

$$\frac{x (x^4 - 6 x^2 - 4 x - 3)}{(x + 1)^3 (x - 1)^3}$$

Sequence: A066830
Score: 13.0202
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 10 x^3 - 10 x^2 - 15 x - 2)}{(x - 1) (x + 1) (x^4 - 6 x^2 - 4 x - 3)}$$

Sequence: A066830
Score: 7.00891
Type of gen. func.: ogf

$$\{(n + 5) a(n + 1) + (-n - 1) a(n + 3), a(0) = 0, a(1) = 3, a(2) = 4\}$$

Sequence: A066880
Score: 10.8269
Type of gen. func.: lgdogf

$$-\frac{4 x^6 - 12 x^4 - 16 x^3 + 3 x^2 + 12 x + 3}{(x - 1) (x + 1) (2 x^2 - 1) (2 x^3 - 3 x - 2)}$$

Sequence: A066880
Score: 13.7467
Type of gen. func.: ogf

$$-\frac{2 x^3 - 3 x - 2}{(2 x^2 - 1) (x - 1) (x + 1)}$$

Sequence: A066880
Score: 7.91478
Type of gen. func.: ogf

$$-(22 f(x) - 15) (2 f(x) x^4 - 3 f(x) x^2 + 2 x^3 + f(x) - 3 x - 2)$$

Sequence: A066912
Score: 3.28808

Type of gen. func.: ogf

$$-\frac{x\,(72 x^5 - 52 x^4 - 44 x^3 + 43 x^2 - 6 x - 1)}{(-1 + 4 x)\,(3 x - 1)^2\,(-1 + 2 x)^3\,(x - 1)^4}$$

Sequence: A066982
Score: 11.7036
Type of gen. func.: ogf

$$-\frac{2 x^2 - 2 x + 1}{(x^2 + x - 1)\,(x - 1)^2}$$

Sequence: A066982
Score: 14.4181
Type of gen. func.: lgdogf

$$-\frac{4 x^4 - 4 x^3 + 4 x^2 - x - 1}{(x - 1)\,(2 x^2 - 2 x + 1)\,(x^2 + x - 1)}$$

Sequence: A066982
Score: 4.48636
Type of gen. func.: ogf

$\{(-3 - n)\, a(n + 1) - a(n + 2) + (2 n + 5)\, a(n + 3) + (-n - 2)\, a(n + 4),$

$a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 6\}$

Sequence: A066982
Score: 6.16446
Type of gen. func.: ogf

$(25 f(x) - 12)$

$(f(x)\, x^4 - f(x)\, x^3 - 2 f(x)\, x^2 + 3 f(x)\, x + 2 x^2 - f(x) - 2 x + 1)$

Sequence: A066983

Score: 12.6996
Type of gen. func.: ogf

$$\frac{x^2 - x - 1}{(x + 1) (x^2 + x - 1)}$$

Sequence: A066983
Score: 13.9084
Type of gen. func.: lgdogf

$$- \frac{x^4 - 2 x^3 - 5 x^2 - 2 x - 1}{(x + 1) (x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A066983
Score: 7.70085
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 1) - a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A066983
Score: 8.25244
Type of gen. func.: ogf

$$-(f(x) - 3) (f(x) x^3 + 2 f(x) x^2 - x^2 - f(x) + x + 1)$$

Sequence: A066998
Score: 3.36407
Type of gen. func.: ogf

$$\{(n^2 + 4 n + 4) a(n + 1) + (-n^2 - 6 n - 10) a(n + 2) + a(n + 3), a(0) = 0, a(1) = 1, a(2) = 5\}$$

Sequence: A066999
Score: 12.6460
Type of gen. func.: lgdogf

$$-\frac{9 x^3 + 49 x^2 + x - 11}{(x - 1) (3 x - 1) (x^2 + 4 x + 1)}$$

Sequence: A066999
Score: 7.74650
Type of gen. func.: ogf

$$-\frac{x^2 + 4 x + 1}{(3 x - 1) (x - 1)^4}$$

Sequence: A067010
Score: 10.4815
Type of gen. func.: ogf

$$-\frac{53 x^3 - 22 x^2 + 33 x + 32}{9 x^4 + 22 x^2 - 1}$$

Sequence: A067010
Score: 5.86965
Type of gen. func.: ogf

$(5351386364 f(x) - 21990809399)$

$(9 f(x) x^4 + 22 f(x) x^2 + 53 x^3 - 22 x^2 - f(x) + 33 x + 32)$

Sequence: A067010
Score: 6.31576
Type of gen. func.: lgdogf

$$-\frac{477 x^6 - 396 x^5 - 275 x^4 + 1152 x^3 + 885 x^2 + 1364 x + 33}{(53 x^3 - 22 x^2 + 33 x + 32) (9 x^4 + 22 x^2 - 1)}$$

Sequence: A067011
Score: 10.4815

Type of gen. func.: ogf

$$-\frac{77 x^3 - 43 x^2 + 32 x + 33}{9 x^4 + 22 x^2 - 1}$$

Sequence: A067011
Score: 5.68764
Type of gen. func.: ogf

$$-(5372996654 f(x) - 35844580161)$$

$$(9 f(x) x^4 + 22 f(x) x^2 + 77 x^3 - 43 x^2 - f(x) + 32 x + 33)$$

Sequence: A067011
Score: 6.31576
Type of gen. func.: lgdogf

$$-\frac{693 x^6 - 774 x^5 - 830 x^4 + 1188 x^3 + 935 x^2 + 1366 x + 32}{(9 x^4 + 22 x^2 - 1) (77 x^3 - 43 x^2 + 32 x + 33)}$$

Sequence: A067016
Score: 9.28030
Type of gen. func.: lgdogf

$$\frac{2 (3 x^7 - 3 x^6 - 8 x^5 + 8 x^4 + 9 x^3 - 4 x^2 + x + 2)}{(x - 1) (x + 1) (2 x^6 - 2 x^5 - 6 x^4 + 4 x^3 + 2 x^2 - 3 x - 1)}$$

Sequence: A067016
Score: 9.46049
Type of gen. func.: ogf

$$-\frac{2 x^6 - 2 x^5 - 6 x^4 + 4 x^3 + 2 x^2 - 3 x - 1}{(x + 1) (x - 1)^2}$$

Sequence: A067017
Score: 6.78702
Type of gen. func.: ogf

$$(x^{16} - 2 x^{15} - x^{13} - x^{12} - x^{11} - x^{10} - 5 x^{9} - 2 x^{3} - 3 x^{2} - 4 x - 1) / ((x - 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x + 1) (x^{6} - x^{5} + x^{4} - x^{3} + x^{2} - x + 1))$$

Sequence: A067018
Score: 11.5991
Type of gen. func.: ogf

$$\frac{3 x^{4} + 2 x^{3} - 2 x^{2} - 4 x - 1}{(x - 1) (x + 1)}$$

Sequence: A067018
Score: 8.02066
Type of gen. func.: ogf

$$(24 f(x) - 341) (-3 x^{4} + f(x) x^{2} - 2 x^{3} + 2 x^{2} - f(x) + 4 x + 1)$$

Sequence: A067046
Score: 5.34926
Type of gen. func.: ogf

$$\{(n^{2} + 11 n + 30) a(n + 1) + (-n^{2} - 5 n - 6) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 10\}$$

Sequence: A067046
Score: 8.11404
Type of gen. func.: ogf

$$\frac{x^{4} + 2 x^{3} + 6 x^{2} + 2 x + 1}{(x - 1)^{4} (x + 1)^{4}}$$

Sequence: A067046
Score: 9.68638
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^5+5\,x^4+20\,x^3+10\,x^2+10\,x+1)}{(x-1)\,(x+1)\,(x^4+2\,x^3+6\,x^2+2\,x+1)}$$

Sequence: A067047
Score: 4.43544
Type of gen. func.: ogf

$$\{(-n^3-21\,n^2-146\,n-336)\,a(n+1)+(n^3+9\,n^2+26\,n+24)\,a(n+4),$$

$$a(0)=1,\ a(1)=5,\ a(2)=5,\ a(3)=35\}$$

Sequence: A067047
Score: 4.80745
Type of gen. func.: ogf

$$-(x^{10}+5\,x^9+5\,x^8+30\,x^7+45\,x^6+17\,x^5+45\,x^4+30\,x^3+5\,x^2+5\,x+1)$$

$$\Big/\ ((x-1)^5\,(x^2+x+1)^5)$$

Sequence: A067053
Score: 4.81545
Type of gen. func.: ogf

$$-(174075\,x^{10}-512\,x^9-256\,x^8-128\,x^7-64\,x^6-32\,x^5-16\,x^4+13\,x^3-2\,x^2$$

$$-2\,x+1)/(3\,x-1)$$

Sequence: A067056
Score: 11.4462
Type of gen. func.: lgdogf

$$-\frac{2\,(4\,x^2+7\,x+1)}{}$$

$$(x - 1) (x^{6} - 6 x^{5} + 15 x^{4} - 20 x^{3} + 17 x^{2} - 4 x + 1)$$

Sequence: A067056
Score: 3.90463
Type of gen. func.: ogf

$$\{(4 n^{2} + 16 n) a(n) + (3 n^{2} + 53 n + 50) a(n + 1) + (-6 n^{2} - 4 n + 16) a(n + 2)$$
$$+ (-n^{2} - 5 n - 6) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 14\}$$

Sequence: A067056
Score: 6.63470
Type of gen. func.: ogf

$$\frac{x^{6} - 6 x^{5} + 15 x^{4} - 20 x^{3} + 17 x^{2} - 4 x + 1}{(x - 1)^{6}}$$

Sequence: A067057
Score: 26.8240
Type of gen. func.: lgdogf

$$- \frac{11 + 8 x}{(x + 1) (-1 + 2 x)}$$

Sequence: A067057
Score: 4.32737
Type of gen. func.: ogf

$$\{(n + 2) a(n + 3) + (-12 - n) a(n + 2) + (-8 - 2 n) a(n + 1), a(0) = 0,$$
$$a(1) = 2, a(2) = 22\}$$

Sequence: A067057
Score: 8.37735
Type of gen. func.: ogf

$$- \frac{2 x (x + 1)}{\quad^{5}}$$

```
                                   (-1 + 2 x)
```

Sequence: A067060
Score: 11.6636
Type of gen. func.: ogf

```
                             4      3      2
                          2 x  - 2 x  + 3 x  - 2 x + 3
                          ----------------------------
                                     2             2
                           (x + 1) (x  + 1) (x - 1)
```

Sequence: A067060
Score: 9.68125
Type of gen. func.: lgdogf

```
                  7      6      5      4       3      2
               2 x  - 2 x  + 9 x  - 5 x  + 22 x  - 2 x  + 7 x + 1
           - ---------------------------------------------------------
                                 2          4      3      2
             (x - 1) (x + 1) (x  + 1) (2 x  - 2 x  + 3 x  - 2 x + 3)
```

Sequence: A067061
Score: 9.65700
Type of gen. func.: ogf

```
                      6      5      4      3      2
                   3 x  - 3 x  + 4 x  - 3 x  + 4 x  - 3 x + 4
                   ------------------------------------------
                             2             2                  2
                   (x + 1) (x  + x + 1) (x  - x + 1) (x - 1)
```

Sequence: A067088
Score: 3.86058
Type of gen. func.: ogf

```
              10             9              8             7           6
- (663471074 x   - 8820887 x  - 744573929 x  - 72990958 x  - 715278 x

             5       4    3    2        /                 2
     - 6336 x  - 49 x  - x  + x  - 2)  /  ((x + 1) (x - 1) )
                                      /
```

Sequence: A067090
Score: 4.37202
Type of gen. func.: ogf

$$(x^{10} - 1295181830 x^{9} + 1445850011 x^{8} + 12854702 x^{7} + 112508 x^{6} + 972 x^{5} - x^{4} + x^{2} - x + 2) \Big/ (x - 1)^{2}$$

Sequence: A067096
Score: 6.13409
Type of gen. func.: lgdogf

$$\frac{1259475 x^{8} - 1331448 x^{7} - 116944 x^{6} - 10080 x^{5} - 849 x^{4} - 68 x^{3} - 2}{(x - 1) (179925 x^{8} + 17992 x^{7} + 1800 x^{6} + 180 x^{5} + 17 x^{4} + 2)}$$

Sequence: A067096
Score: 8.45525
Type of gen. func.: ogf

$$- \frac{179925 x^{8} + 17992 x^{7} + 1800 x^{6} + 180 x^{5} + 17 x^{4} + 2}{x - 1}$$

Sequence: A067100
Score: 8.26699
Type of gen. func.: ogf

$$x^{4} (x + 1) (x^{2} + 1) (x^{12} - x^{11} + x^{10} - x^{9} + x^{8} - x^{7} + x^{6} - x^{5} + x^{4} - x^{3} + x^{2} - x + 1) (x^{4} - x^{2} + 1) \Big/ ((x^{4} + x^{3} + x^{2} + x + 1) (x^{20} + x^{15} + x^{10} + x^{5} + 1) (x - 1)^{2})$$

Sequence: A067114
Score: 4.70174
Type of gen. func.: ogf

$$- (6 x^{14} - 2 x^{13} - 4 x^{12} - 2 x^{11} - 2 x^{10} + 2 x^{9} + 2 x^{7} - 8 x^{5} - 5 x^{4} + 4 x^{3}$$

$$+ 4 x^{2} + 4 x + 2) \Big/ ((x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1)$$

$$(x + 1)^{2} (x - 1)^{3})$$

Sequence: A067239
Score: 10.6978
Type of gen. func.: ogf

$$\frac{x^{3} - 27 x^{2} - 5 x - 1}{(x - 1)^{3}}$$

Sequence: A067239
Score: 18.3522
Type of gen. func.: lgdogf

$$\frac{8 (3 x^{2} + 8 x + 1)}{(x - 1) (x^{3} - 27 x^{2} - 5 x - 1)}$$

Sequence: A067239
Score: 5.54699
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 8, a(2) = 48,$$

$$a(3) = 120\}$$

Sequence: A067239
Score: 5.80498
Type of gen. func.: ogf

$$-(134 f(x) - 1499)$$

$$(f(x) x^{3} - 3 f(x) x^{2} - x^{3} + 3 f(x) x + 27 x^{2} - f(x) + 5 x + 1)$$

Sequence: A067251
Score: 10.7807
Type of gen. func.: ogf

$$\frac{(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)}{(x^2+x+1)(x^6+x^3+1)(x-1)^2}$$

Sequence: A067251
Score: 43.7631
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9+x^8+2$$

Sequence: A067272
Score: 13.2813
Type of gen. func.: ogf

$$\frac{8x+1}{(10x-1)(x-1)}$$

Sequence: A067272
Score: 6.85957
Type of gen. func.: ogf

$$(189 f(x) + 172) (10 f(x) x^2 - 11 f(x) x + f(x) - 8 x - 1)$$

Sequence: A067272
Score: 7.34378
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 19\}$$

Sequence: A067273
Score: 3.06140
Type of gen. func.: ogf

$$\{(2 n^2 + 10 n + 12) a(n + 1) + (-2 n^2 - 11 n - 15) a(n + 2) + (n + 2) a(n + 3),$$
$$a(0) = 0, a(1) = 1, a(2) = 6\}$$

Sequence: A067275
Score: 11.4543
Type of gen. func.: ogf

$$-\frac{x\,(-1 + 4\,x)}{(10\,x - 1)\,(x - 1)}$$

Sequence: A067275
Score: 5.67152
Type of gen. func.: ogf

$$\{-a(n + 3) + 11\,a(n + 2) - 10\,a(n + 1),\ a(0) = 0,\ a(1) = 1,\ a(2) = 7\}$$

Sequence: A067275
Score: 7.03817
Type of gen. func.: ogf

$$f(x)\,(10\,f(x)\,x^2 - 11\,f(x)\,x + 4\,x^2 + f(x) - x)$$

Sequence: A067294
Score: 6.27099
Type of gen. func.: ogf

$$-x^3\,f(x)^2 - 2\,f(x)\,x^2 - f(x)\,x - 4\,x^2 + f(x) - 4\,x - 5$$

Sequence: A067295
Score: 4.5976
Type of gen. func.: ogf

$$f(x)^2\,x^4 + 5\,f(x)\,x^3 + 2\,f(x)\,x^2 + 25\,x^3 + f(x)\,x + 20\,x^2 - f(x) + 14\,x + 14$$

Sequence: A067297
Score: 2.71663
Type of gen. func.: ogf

$$-16\,f(x)^2\,x^4 - 32\,x^3\,f(x)^2 - 24\,f(x)^2\,x^2 - 72\,f(x)\,x^3 - 8\,f(x)^2\,x + 89\,f(x)\,x^2$$

$$- f(x)^2 + 26 f(x) x - 81 x^2 + 2 f(x) - 18 x - 1$$

Sequence: A067297
Score: 6.38924
Type of gen. func.: lgdogf

$$\frac{-5 + 98 x - 288 x^2 + 3 (-(16 x - 1) (-1 + 26 x)^2)^{1/2}}{(1 + 2 x) (9 x + 1) (16 x - 1)}$$

Sequence: A067299
Score: 5.56999
Type of gen. func.: ogf

$$4 f(x)^2 x^2 + 4 f(x)^2 x + f(x)^2 - 5 f(x) x - 7 f(x) + 9 x + 10$$

Sequence: A067299
Score: 6.37996
Type of gen. func.: lgdogf

$$- \frac{-31 + 478 x + 288 x^2 + 3 (-(16 x - 1) (27 + 10 x)^2)^{1/2}}{2 (9 x + 10) (16 x - 1) (1 + 2 x)}$$

Sequence: A067300
Score: 4.1001
Type of gen. func.: ogf

$$-4 x^3 f(x)^2 - 4 f(x)^2 x^2 - f(x)^2 x + 12 f(x) x^2 - f(x) x - 16 x^2 + f(x) - 3$$

Sequence: A067301
Score: 3.25295
Type of gen. func.: ogf

$$32 f(x)^2 x^4 + 32 x^3 f(x)^2 + 8 f(x)^2 x^2 - 292 f(x) x^3 - 20 f(x) x^2 + 882 x^3$$

$$+ 21 f(x) x - 19 x^2 - 3 f(x) - 45 x + 24$$

Sequence: A067305
Score: 3.44621
Type of gen. func.: ogf

$$-16 f(x)^2 x^4 - 32 x^3 f(x)^2 - 24 f(x)^2 x^2 - 8 f(x)^2 x - 124 f(x) x^2 - f(x)^2 + 29 f(x) x + 5 f(x) - 36 x - 4$$

Sequence: A067305
Score: 6.83178
Type of gen. func.: lgdogf

$$-\frac{1 - 70 x + 864 x^2 + 3 (-(16 x - 1) (3 + 62 x)^2)^{1/2}}{2 (1 + 2 x) (9 x + 1) (16 x - 1)}$$

Sequence: A067318
Score: 3.87015
Type of gen. func.: ogf

$$\{(n^3 + 9 n^2 + 27 n + 27) a(n + 1) + (-2 n^2 - 12 n - 17) a(n + 2) + (n + 2) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 7\}$$

Sequence: A067324
Score: 7.04518
Type of gen. func.: ogf

$$-f(x)^2 x^4 - f(x) x^2 - 3 f(x) x + f(x) - x - 2$$

Sequence: A067331
Score: 13.1723
Type of gen. func.: ogf

$$\frac{x + 2}{(x^2 + x - 1)^2}$$

Sequence: A067331
Score: 19.6136
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 9 x + 5}{(x + 2) (x^2 + x - 1)}$$

Sequence: A067331
Score: 4.03773
Type of gen. func.: ogf

$$\{(-8 - 2 n) a(n + 4) + (8 + n) a(n + 3) + (15 + 3 n) a(n + 2) + (n + 4) a(n + 1), a(0) = 2, a(1) = 5, a(2) = 12, a(3) = 25\}$$

Sequence: A067331
Score: 6.42807
Type of gen. func.: ogf

$$(887 f(x) + 499) (f(x) x^4 + 2 f(x) x^3 - f(x) x^2 - 2 f(x) x + f(x) - x - 2)$$

Sequence: A067332
Score: 16.5394
Type of gen. func.: lgdogf

$$-\frac{2 (3 x + 4) (x + 1)}{(2 x + 3) (x^2 + x - 1)}$$

Sequence: A067332
Score: 4.39548
Type of gen. func.: ogf

$$-(2573 f(x) - 3685) (f(x) x^4 + 2 f(x) x^3 - f(x) x^2 - 2 f(x) x + f(x) - 2 x - 3)$$

Sequence: A067332
Score: 9.43948
Type of gen. func.: ogf

$$\frac{2 x + 3}{(x^2 + x - 1)^2}$$

Sequence: A067333
Score: 17.2327
Type of gen. func.: lgdogf

$$-\frac{9 x^2 + 23 x + 13}{(3 x + 5) (x^2 + x - 1)}$$

Sequence: A067333
Score: 4.61061
Type of gen. func.: ogf

$$(26816 f(x) + 180841)$$

$$(f(x) x^4 + 2 f(x) x^3 - f(x) x^2 - 2 f(x) x + f(x) - 3 x - 5)$$

Sequence: A067333
Score: 9.82589
Type of gen. func.: ogf

$$\frac{3 x + 5}{(x^2 + x - 1)^2}$$

Sequence: A067334
Score: 16.2802
Type of gen. func.: lgdogf

$$-\frac{15 x^2 + 37 x + 21}{(5 x + 8) (x^2 + x - 1)}$$

Sequence: A067334
Score: 4.35176
Type of gen. func.: ogf

$$-(10651 f(x) - 286331)$$

$$(f(x) x^4 + 2 f(x) x^3 - f(x) x^2 - 2 f(x) x + f(x) - 5 x - 8)$$

Sequence: A067334
Score: 9.55959
Type of gen. func.: ogf

$$\frac{5 x + 8}{(x^2 + x - 1)^2}$$

Sequence: A067336
Score: 8.28973
Type of gen. func.: ogf

$$-9 f(x)^2 x + 2 f(x)^2 + 6 f(x) x - 2 f(x) - x$$

Sequence: A067358
Score: 11.2697
Type of gen. func.: ogf

$$-169 f(x) x^2 + 10 f(x) x - f(x) + 12 x$$

Sequence: A067358
Score: 17.3168
Type of gen. func.: ogf

$$\frac{12 x}{169 x^2 - 10 x + 1}$$

Sequence: A067358
Score: 24.2654
Type of gen. func.: lgdogf

$$-\frac{2 (-5 + 169 x)}{169 x^2 - 10 x + 1}$$

Sequence: A067358
Score: 8.35280
Type of gen. func.: ogf

$$\{a(n+2) - 10\,a(n+1) + 169\,a(n),\ a(0) = 0,\ a(1) = 12\}$$

Sequence: A067359
Score: 14.8538
Type of gen. func.: ogf

$$-\frac{5x - 1}{169x^2 - 10x + 1}$$

Sequence: A067359
Score: 16.9990
Type of gen. func.: lgdogf

$$-\frac{(65x - 1)(13x - 5)}{(5x - 1)(169x^2 - 10x + 1)}$$

Sequence: A067359
Score: 7.74983
Type of gen. func.: ogf

$$(288 f(x) - 313)(169 f(x) x^2 - 10 f(x) x + f(x) + 5x - 1)$$

Sequence: A067359
Score: 8.38805
Type of gen. func.: ogf

$$\{a(n+2) - 10\,a(n+1) + 169\,a(n),\ a(0) = 1,\ a(1) = 5\}$$

Sequence: A067360
Score: 16.6058
Type of gen. func.: ogf

$$\frac{8}{289 x^2 - 30 x + 1}$$

Sequence: A067360
Score: 19.4669
Type of gen. func.: lgdogf

$$-\frac{2 (-15 + 289 x)}{289 x^2 - 30 x + 1}$$

Sequence: A067360
Score: 6.71694
Type of gen. func.: ogf

$$(161 f(x) + 2312) (289 f(x) x^2 - 30 f(x) x + f(x) - 8)$$

Sequence: A067360
Score: 6.87134
Type of gen. func.: ogf

$$\{-a(n + 2) + 30 a(n + 1) - 289 a(n), a(0) = 8, a(1) = 240\}$$

Sequence: A067361
Score: 11.7217
Type of gen. func.: ogf

$$-\frac{-15 + 289 x}{289 x^2 - 30 x + 1}$$

Sequence: A067361
Score: 11.8884
Type of gen. func.: revogf

$$-\frac{-15 - 30 x + (-(16 x + 25) (16 x - 9))^{1/2}}{578 (x + 1)}$$

Sequence: A067361
Score: 12.3736
Type of gen. func.: lgdogf

$$-\frac{(289 x - 7) (289 x - 23)}{(-15 + 289 x) (289 x^2 - 30 x + 1)}$$

Sequence: A067361
Score: 6.10008
Type of gen. func.: ogf

$$(3840 f(x) - 83521) (289 f(x) x^2 - 30 f(x) x + f(x) + 289 x - 15)$$

Sequence: A067361
Score: 6.79326
Type of gen. func.: ogf

$$\{-a(n + 2) + 30 a(n + 1) - 289 a(n), a(0) = 15, a(1) = 161\}$$

Sequence: A067389
Score: 21.1345
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 17 x + 17}{(x - 1) (x^2 + 5 x + 3)}$$

Sequence: A067389
Score: 3.64703
Type of gen. func.: ogf

$$\{(3 n + 9) a(n + 4) + (-13 + 2 n) a(n + 3) + (-21 - 4 n) a(n + 2) + (-n - 2) a(n + 1), a(0) = 0, a(1) = 6, a(2) = 34, a(3) = 102\}$$

Sequence: A067389
Score: 4.96194

Type of gen. func.: ogf

$$(6329907 f(x) + 33400064)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 2 x^3 - 4 f(x) x - 10 x^2 + f(x) - 6 x)$$

Sequence: A067389
Score: 9.85684
Type of gen. func.: ogf

$$\frac{2 x (x^2 + 5 x + 3)}{(x - 1)^4}$$

Sequence: A067395
Score: 6.56485
Type of gen. func.: ogf

$$- 2 (x^{45} + x^{44} - x^{41} + x^{39} - x^{36} - x^{35} + 2 x^8 + 2 x^7 + 2 x^6 + 2 x^5 + x^4 + x^3 + 2 x^2 + 2 x + 2) / ((x - 1) (x^2 + x + 1) (x^6 + x^3 + 1))$$

Sequence: A067403
Score: 15.2792
Type of gen. func.: ogf

$$\frac{-1 + 4 x}{9 x - 1}$$

Sequence: A067403
Score: 16.2810
Type of gen. func.: revogf

$$1/8 + \frac{9 x}{8} - \frac{(81 x^2 + 2 x + 1)^{1/2}}{8}$$

Sequence: A067403

Score: 17.3098
Type of gen. func.: ogf

$$-9 f(x) x + f(x) + 4 x - 1$$

Sequence: A067403
Score: 30.7530
Type of gen. func.: lgdogf

$$\frac{5}{(9 x - 1) (-1 + 4 x)}$$

Sequence: A067403
Score: 7.85183
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 5\}$$

Sequence: A067404
Score: 12.2144
Type of gen. func.: revogf

$$1/18 + \frac{8 x}{9} - \frac{(256 x^2 - 4 x + 1)^{1/2}}{18}$$

Sequence: A067404
Score: 16.6719
Type of gen. func.: ogf

$$-16 f(x) x + f(x) + 9 x - 1$$

Sequence: A067404
Score: 17.9766
Type of gen. func.: ogf

$$\frac{9 x - 1}{16 x - 1}$$

Sequence: A067404
Score: 25.1073
Type of gen. func.: lgdogf

$$\frac{7}{(16 x - 1) (9 x - 1)}$$

Sequence: A067404
Score: 9.35767
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 7\}$$

Sequence: A067405
Score: 12.7539
Type of gen. func.: revogf

$$1/32 + \frac{25 x}{32} - \frac{(625 x^2 - 14 x + 1)^{1/2}}{32}$$

Sequence: A067405
Score: 13.3653
Type of gen. func.: ogf

$$\frac{16 x - 1}{25 x - 1}$$

Sequence: A067405
Score: 16.4137
Type of gen. func.: ogf

$$-25 f(x) x + f(x) + 16 x - 1$$

Sequence: A067405
Score: 26.8503
Type of gen. func.: lgdogf

$$\frac{9}{(25 x - 1) (16 x - 1)}$$

Sequence: A067405
Score: 7.14037
Type of gen. func.: ogf

$$\{a(n + 2) - 25 a(n + 1), a(0) = 1, a(1) = 9\}$$

Sequence: A067406
Score: 13.7277
Type of gen. func.: revogf

$$1/50 + \frac{18 x}{25} - \frac{(1296 x^2 - 28 x + 1)^{1/2}}{50}$$

Sequence: A067406
Score: 14.7161
Type of gen. func.: ogf

$$\frac{25 x - 1}{-1 + 36 x}$$

Sequence: A067406
Score: 15.9893
Type of gen. func.: ogf

$$-36 f(x) x + f(x) + 25 x - 1$$

Sequence: A067406
Score: 28.1418
Type of gen. func.: lgdogf

$$\frac{11}{(-1 + 36 x) (25 x - 1)}$$

Sequence: A067406
Score: 7.75576
Type of gen. func.: ogf

$$\{a(n + 2) - 36 a(n + 1), a(0) = 1, a(1) = 11\}$$

Sequence: A067407
Score: 12.6816
Type of gen. func.: revogf

$$1/72 + \frac{49 x}{72} - \frac{(2401 x^2 - 46 x + 1)^{1/2}}{72}$$

Sequence: A067407
Score: 13.6097
Type of gen. func.: ogf

$$\frac{-1 + 36 x}{49 x - 1}$$

Sequence: A067407
Score: 15.0703
Type of gen. func.: ogf

$$-49 f(x) x + f(x) + 36 x - 1$$

Sequence: A067407
Score: 25.9973
Type of gen. func.: lgdogf

$$\frac{13}{(49 x - 1) (-1 + 36 x)}$$

Sequence: A067407
Score: 7.17268
Type of gen. func.: ogf

$$\{a(n + 2) - 49 a(n + 1), a(0) = 1, a(1) = 13\}$$

Sequence: A067408
Score: 11.3930

Type of gen. func.: revogf

$$\frac{1}{98} + \frac{32 x}{49} - \frac{(4096 x^2 - 68 x + 1)^{1/2}}{98}$$

Sequence: A067408
Score: 12.2479
Type of gen. func.: ogf

$$\frac{49 x - 1}{-1 + 64 x}$$

Sequence: A067408
Score: 15.9745
Type of gen. func.: ogf

$$-64 f(x) x + f(x) + 49 x - 1$$

Sequence: A067408
Score: 23.3557
Type of gen. func.: lgdogf

$$\frac{15}{(-1 + 64 x) (49 x - 1)}$$

Sequence: A067408
Score: 6.45500
Type of gen. func.: ogf

$$\{a(n + 2) - 64 a(n + 1), a(0) = 1, a(1) = 15\}$$

Sequence: A067409
Score: 10.7859
Type of gen. func.: ogf

$$\frac{-1 + 64 x}{81 x - 1}$$

Sequence: A067409
Score: 14.5708
Type of gen. func.: ogf

$$-81 f(x) x + f(x) + 64 x - 1$$

Sequence: A067409
Score: 20.5196
Type of gen. func.: lgdogf

$$\frac{17}{(81 x - 1) (-1 + 64 x)}$$

Sequence: A067409
Score: 5.68449
Type of gen. func.: ogf

$$\{a(n + 2) - 81 a(n + 1), a(0) = 1, a(1) = 17\}$$

Sequence: A067409
Score: 9.32709
Type of gen. func.: revogf

$$1/128 + \frac{81 x}{128} - \frac{(6561 x^2 - 94 x + 1)^{1/2}}{128}$$

Sequence: A067411
Score: 11.8498
Type of gen. func.: ogf

$$-6 f(x) x + f(x) + 2 x - 1$$

Sequence: A067411
Score: 14.4119
Type of gen. func.: ogf

$$\frac{-1 + 2 x}{6 x - 1}$$

Sequence: A067411
Score: 15.3311
Type of gen. func.: revogf

$$\frac{1}{4} + \frac{3x}{2} - \frac{(36x^2 + 4x + 1)^{1/2}}{4}$$

Sequence: A067411
Score: 30.6622
Type of gen. func.: lgdogf

$$\frac{4}{(6x - 1)(-1 + 2x)}$$

Sequence: A067411
Score: 7.40611
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 4\}$$

Sequence: A067412
Score: 12.0395
Type of gen. func.: ogf

$$-8 f(x) x + f(x) + 3 x - 1$$

Sequence: A067412
Score: 14.6426
Type of gen. func.: ogf

$$\frac{3x - 1}{8x - 1}$$

Sequence: A067412
Score: 15.5882
Type of gen. func.: revogf

$$1/6 + \frac{4 x}{3} - \frac{(64 x^2 + 4 x + 1)^{1/2}}{6}$$

Sequence: A067412
Score: 31.1764
Type of gen. func.: lgdogf

$$\frac{5}{(8 x - 1) (3 x - 1)}$$

Sequence: A067412
Score: 7.52468
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 5\}$$

Sequence: A067413
Score: 12.0642
Type of gen. func.: ogf

$$-12 f(x) x + f(x) + 5 x - 1$$

Sequence: A067413
Score: 14.6040
Type of gen. func.: ogf

$$\frac{5 x - 1}{12 x - 1}$$

Sequence: A067413
Score: 14.6862
Type of gen. func.: revogf

$$1/10 + \frac{6 x}{5} - \frac{(144 x^2 + 4 x + 1)^{1/2}}{10}$$

Sequence: A067413
Score: 30.1883
Type of gen. func.: lgdogf

$$\frac{7}{(12 x - 1) (5 x - 1)}$$

Sequence: A067413
Score: 7.60207
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1), a(0) = 1, a(1) = 7\}$$

Sequence: A067414
Score: 11.1481
Type of gen. func.: ogf

$$-14 f(x) x + f(x) + 6 x - 1$$

Sequence: A067414
Score: 13.4950
Type of gen. func.: ogf

$$\frac{6 x - 1}{14 x - 1}$$

Sequence: A067414
Score: 13.5535
Type of gen. func.: revogf

$$1/12 + \frac{7 x}{6} - \frac{(196 x^2 + 4 x + 1)^{1/2}}{12}$$

Sequence: A067414
Score: 27.8599
Type of gen. func.: lgdogf

$$\frac{8}{(14 x - 1) (6 x - 1)}$$

Sequence: A067414
Score: 7.02481
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1), a(0) = 1, a(1) = 8\}$$

Sequence: A067415
Score: 10.0657
Type of gen. func.: ogf

$$-16 f(x) x + f(x) + 7 x - 1$$

Sequence: A067415
Score: 12.1848
Type of gen. func.: ogf

$$\frac{7 x - 1}{16 x - 1}$$

Sequence: A067415
Score: 12.2144
Type of gen. func.: revogf

$$1/14 + \frac{8 x}{7} - \frac{(256 x^2 + 4 x + 1)^{1/2}}{14}$$

Sequence: A067415
Score: 25.1073
Type of gen. func.: lgdogf

$$\frac{9}{(16 x - 1) (7 x - 1)}$$

Sequence: A067415
Score: 6.34278
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 9\}$$

Sequence: A067416
Score: 10.6082
Type of gen. func.: ogf

$$-18 f(x) x + f(x) + 8 x - 1$$

Sequence: A067416
Score: 12.8415
Type of gen. func.: ogf

$$\frac{8 x - 1}{18 x - 1}$$

Sequence: A067416
Score: 12.8888
Type of gen. func.: revogf

$$1/16 + \frac{9 x}{8} - \frac{(324 x^2 + 4 x + 1)^{1/2}}{16}$$

Sequence: A067416
Score: 23.8443
Type of gen. func.: lgdogf

$$\frac{10}{(18 x - 1) (8 x - 1)}$$

Sequence: A067416
Score: 6.59427
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1), a(0) = 1, a(1) = 10\}$$

Sequence: A067419
Score: 11.9385
Type of gen. func.: ogf

$$-12 f(x) x + f(x) + 6 x - 1$$

Sequence: A067419
Score: 14.4518
Type of gen. func.: ogf

$$\frac{6 x - 1}{12 x - 1}$$

Sequence: A067419
Score: 18.5382
Type of gen. func.: revogf

$$1/12 + x - \frac{(144 x^2 + 1)^{1/2}}{12}$$

Sequence: A067419
Score: 29.8672
Type of gen. func.: lgdogf

$$\frac{6}{(12 x - 1) (6 x - 1)}$$

Sequence: A067419
Score: 7.52288
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1), a(0) = 1, a(1) = 6\}$$

Sequence: A067420
Score: 11.3329
Type of gen. func.: ogf

$$-15 f(x) x + f(x) + 8 x - 1$$

Sequence: A067420

Score: 13.0764
Type of gen. func.: revogf

$$1/16 + \frac{15 x}{16} - \frac{(225 x^2 - 2 x + 1)^{1/2}}{16}$$

Sequence: A067420
Score: 13.7187
Type of gen. func.: ogf

$$\frac{8 x - 1}{15 x - 1}$$

Sequence: A067420
Score: 28.3321
Type of gen. func.: lgdogf

$$\frac{7}{(15 x - 1) (8 x - 1)}$$

Sequence: A067420
Score: 7.14125
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1), a(0) = 1, a(1) = 7\}$$

Sequence: A067421
Score: 10.1465
Type of gen. func.: ogf

$$-18 f(x) x + f(x) + 10 x - 1$$

Sequence: A067421
Score: 12.2278
Type of gen. func.: ogf

$$\frac{10 x - 1}{18 x - 1}$$

Sequence: A067421
Score: 12.2578
Type of gen. func.: revogf

$$1/20 + \frac{9\,x}{10} - \frac{(324\,x^{2} - 4\,x + 1)^{1/2}}{20}$$

Sequence: A067421
Score: 23.2898
Type of gen. func.: lgdogf

$$\frac{8}{(18\,x - 1)\,(10\,x - 1)}$$

Sequence: A067421
Score: 6.53267
Type of gen. func.: ogf

$$\{a(n + 2) - 18\,a(n + 1),\ a(0) = 1,\ a(1) = 8\}$$

Sequence: A067422
Score: 10.6184
Type of gen. func.: ogf

$$-21\,f(x)\,x + f(x) + 12\,x - 1$$

Sequence: A067422
Score: 12.7966
Type of gen. func.: ogf

$$\frac{12\,x - 1}{21\,x - 1}$$

Sequence: A067422
Score: 13.1885
Type of gen. func.: revogf

$$\qquad\qquad\quad {}^{2} \qquad\qquad\qquad {}^{1/2}$$

$$\frac{7 x}{8} + 1/24 - \frac{(441 x - 6 x + 1)}{24}$$

Sequence: A067422
Score: 6.83652
Type of gen. func.: ogf

$$\{a(n + 2) - 21 a(n + 1), a(0) = 1, a(1) = 9\}$$

Sequence: A067423
Score: 11.0904
Type of gen. func.: ogf

$$-24 f(x) x + f(x) + 14 x - 1$$

Sequence: A067423
Score: 13.3653
Type of gen. func.: ogf

$$\frac{14 x - 1}{24 x - 1}$$

Sequence: A067423
Score: 13.7880
Type of gen. func.: revogf

$$1/28 + \frac{6 x}{7} - \frac{(576 x^2 - 8 x + 1)^{1/2}}{28}$$

Sequence: A067423
Score: 25.5078
Type of gen. func.: lgdogf

$$\frac{10}{(24 x - 1) (14 x - 1)}$$

Sequence: A067423

Score: 7.04388
Type of gen. func.: ogf

$$\{a(n + 2) - 24 a(n + 1), a(0) = 1, a(1) = 10\}$$

Sequence: A067424
Score: 11.4443
Type of gen. func.: ogf

$$-27 f(x) x + f(x) + 16 x - 1$$

Sequence: A067424
Score: 13.1698
Type of gen. func.: revogf

$$1/32 + \frac{27 x}{32} - \frac{(729 x^2 - 10 x + 1)^{1/2}}{32}$$

Sequence: A067424
Score: 13.7918
Type of gen. func.: ogf

$$\frac{16 x - 1}{27 x - 1}$$

Sequence: A067424
Score: 26.3396
Type of gen. func.: lgdogf

$$\frac{11}{(27 x - 1) (16 x - 1)}$$

Sequence: A067424
Score: 7.26868
Type of gen. func.: ogf

$$\{a(n + 2) - 27 a(n + 1), a(0) = 1, a(1) = 11\}$$

Sequence: A067426
Score: 10.9724
Type of gen. func.: ogf

$$-24 f(x) x + f(x) + 15 x - 1$$

Sequence: A067426
Score: 13.2231
Type of gen. func.: ogf

$$\frac{15 x - 1}{24 x - 1}$$

Sequence: A067426
Score: 13.2792
Type of gen. func.: revogf

$$1/30 + \frac{4 x}{5} - \frac{(576 x^2 - 12 x + 1)^{1/2}}{30}$$

Sequence: A067426
Score: 26.5585
Type of gen. func.: lgdogf

$$\frac{9}{(24 x - 1) (15 x - 1)}$$

Sequence: A067426
Score: 7.06441
Type of gen. func.: ogf

$$\{a(n + 2) - 24 a(n + 1), a(0) = 1, a(1) = 9\}$$

Sequence: A067427
Score: 11.5033
Type of gen. func.: ogf

$$-28 f(x) x + f(x) + 18 x - 1$$

Sequence: A067427
Score: 13.8629
Type of gen. func.: ogf

$$\frac{18 x - 1}{28 x - 1}$$

Sequence: A067427
Score: 13.9359
Type of gen. func.: revogf

$$1/36 + \frac{7 x}{9} - \frac{(784 x^2 - 16 x + 1)^{1/2}}{36}$$

Sequence: A067427
Score: 26.4782
Type of gen. func.: lgdogf

$$\frac{10}{(28 x - 1) (18 x - 1)}$$

Sequence: A067427
Score: 7.30615
Type of gen. func.: ogf

$$\{a(n + 2) - 28 a(n + 1), a(0) = 1, a(1) = 10\}$$

Sequence: A067428
Score: 12.0342
Type of gen. func.: ogf

$$-32 f(x) x + f(x) + 21 x - 1$$

Sequence: A067428
Score: 13.5248
Type of gen. func.: revogf

$$2 \qquad 1/2$$

$$1/42 + \frac{16 x}{21} - \frac{(1024 x - 20 x + 1)}{42}$$

Sequence: A067428
Score: 14.5028
Type of gen. func.: ogf

$$\frac{21 x - 1}{32 x - 1}$$

Sequence: A067428
Score: 27.7259
Type of gen. func.: lgdogf

$$\frac{11}{(32 x - 1) (21 x - 1)}$$

Sequence: A067428
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 32 a(n + 1), a(0) = 1, a(1) = 11\}$$

Sequence: A067429
Score: 12.2112
Type of gen. func.: ogf

$$-36 f(x) x + f(x) + 24 x - 1$$

Sequence: A067429
Score: 14.4317
Type of gen. func.: revogf

$$1/48 + \frac{3 x}{4} - \frac{(1296 x^2 - 24 x + 1)^{1/2}}{48}$$

Sequence: A067429

Score: 14.7161
Type of gen. func.: ogf

$$\frac{24 x - 1}{-1 + 36 x}$$

Sequence: A067429
Score: 28.1418
Type of gen. func.: lgdogf

$$\frac{12}{(-1 + 36 x) (24 x - 1)}$$

Sequence: A067429
Score: 7.75576
Type of gen. func.: ogf

$$\{a(n + 2) - 36 a(n + 1), a(0) = 1, a(1) = 12\}$$

Sequence: A067430
Score: 15.6087
Type of gen. func.: lgdogf

$$- \frac{2 (12 x^2 + 30 x + 17)}{(8 x + 13) (x^2 + x - 1)}$$

Sequence: A067430
Score: 4.45927
Type of gen. func.: ogf

$$(1157969 f(x) + 134627432)$$

$$(f(x) x^4 + 2 f(x) x^3 - f(x) x^2 - 2 f(x) x + f(x) - 8 x - 13)$$

Sequence: A067430
Score: 9.78161
Type of gen. func.: ogf

$$8 x + 13$$

$$\frac{}{(x^2 + x - 1)^2}$$

Sequence: A067431
Score: 15.4994
Type of gen. func.: lgdogf

$$-\frac{39 x^2 + 97 x + 55}{(13 x + 21) (x^2 + x - 1)}$$

Sequence: A067431
Score: 4.1314
Type of gen. func.: ogf

$$-(7772102 f(x) - 3796058483)$$
$$(f(x) x^4 + 2 f(x) x^3 - f(x) x^2 - 2 f(x) x + f(x) - 13 x - 21)$$

Sequence: A067431
Score: 9.31206
Type of gen. func.: ogf

$$\frac{13 x + 21}{(x^2 + x - 1)^2}$$

Sequence: A067455
Score: 9.51844
Type of gen. func.: lgdegf]

$$-1 + (3 - 3 x) f(x) + (-3 x^2 + 6 x - 3) f(x)^2 + (-x^3 + 3 x^2 - 3 x + 1) f(x)^3$$

Sequence: A067470
Score: 4.94492
Type of gen. func.: ogf

$$- (21717383193 x^{10} - 134217728 x^9 - 16777216 x^8 - 2097152 x^7 + 1038311 x^6$$

$$- 33614 x^5 + 5143 x^4 + 171 x^3 - 19 x^2 + 7 x + 1)/(9 x - 1)$$

Sequence: A067480
Score: 10.0888
Type of gen. func.: revegf]

$$-1/32 \ln(5) + 1/32 \ln(4 + 16 x + (256 x^2 + 128 x + 1)^{1/2})$$

Sequence: A067480
Score: 10.2906
Type of gen. func.: lgdogf

$$- \frac{128 (1024 x^2 + 16 x + 1)}{(1 + 32 x) (128 x + 1) (32 x - 1)}$$

Sequence: A067480
Score: 11.4209
Type of gen. func.: ogf

$$- \frac{2 (128 x + 1)}{(32 x - 1) (1 + 32 x)}$$

Sequence: A067480
Score: 7.61394
Type of gen. func.: ogf

$$\{a(n + 2) - 1024 a(n), a(0) = 2, a(1) = 256\}$$

Sequence: A067480
Score: 9.2825
Type of gen. func.: ogf

$$-(f(x) - 2)^2 (1024 f(x) x^2 - f(x) + 256 x + 2)$$

Sequence: A067482
Score: 19.6999

Type of gen. func.: revegf]

$$\frac{1}{1024} \ln(1 + 256 x)$$

Sequence: A067482
Score: 20.8588
Type of gen. func.: lgdogf

$$-\frac{1024}{1024 x - 1}$$

Sequence: A067482
Score: 7.50199
Type of gen. func.: ogf

$$-(f(x) - 4) (1024 f(x) x - f(x) + 4)$$

Sequence: A067484
Score: 11.9748
Type of gen. func.: revegf]

$$\frac{1}{10077696} \ln(1 + 1679616 x)$$

Sequence: A067484
Score: 9.31417
Type of gen. func.: ogf

$$-10077696 f(x) x + f(x) - 6$$

Sequence: A067488
Score: 10.0900
Type of gen. func.: ogf

$$-\frac{128 x^2 + 16 x + 1}{1024 x^3 - 1}$$

Sequence: A067488

Score: 6.52884
Type of gen. func.: ogf

$$-(f(x) - 1) (1024 f(x) x^{3} + 128 x^{2} - f(x) + 16 x + 1)$$

Sequence: A067488
Score: 6.76770
Type of gen. func.: ogf

$$\{a(n + 3) - 1024 a(n), a(0) = 1, a(1) = 16, a(2) = 128\}$$

Sequence: A067488
Score: 9.87981
Type of gen. func.: lgdogf

$$-\frac{16 (128 x^{2} + 1) (8 x + 1)^{2}}{(128 x^{2} + 16 x + 1) (1024 x^{3} - 1)}$$

Sequence: A067489
Score: 3.21201
Type of gen. func.: ogf

$$(205880671741446 x^{7} + 9298091736 x^{6} - 129140163 x^{5} - 14348907 x^{4} - 1594323 x^{3} - 177147 x^{2} - 19683 x - 1) / ((2187 x^{2} - 1) (4782969 x^{4} + 2187 x^{2} + 1))$$

Sequence: A067489
Score: 9.2118
Type of gen. func.: ogf

$$(9 f(x) x - f(x) + 19674 x + 1)^{2}$$

Sequence: A067490
Score: 3.66809
Type of gen. func.: ogf

$$^{13} \qquad ^{12}$$

$$\frac{1162144876643701751808 x - 242113515967437786496 x - 16 x - 1}{1549526502191602335744 x^{13} - 242113515967437786496 x^{12} + 1024 x^{2} - 1}$$

Sequence: A067490
Score: 9.19824
Type of gen. func.: ogf

$$(20 f(x) - 19) (1024 f(x) x^{2} - f(x) + 16 x + 1)$$

Sequence: A067491
Score: 3.79275
Type of gen. func.: ogf

{-a(n + 4) + 9765625 a(n + 1), a(0) = 1, a(1) = 125, a(2) = 15625,

a(3) = 1953125}

Sequence: A067491
Score: 5.76499
Type of gen. func.: ogf

$$\frac{7812500 x^{3} - 15625 x^{2} - 125 x - 1}{9765625 x^{3} - 1}$$

Sequence: A067491
Score: 6.66859
Type of gen. func.: ogf

$$f(x) (9765625 f(x) x^{3} - 7812500 x^{3} + 15625 x^{2} - f(x) + 125 x + 1)$$

Sequence: A067492
Score: 5.04997
Type of gen. func.: ogf

$$(f(x) + 107) (10077696 f(x) x^{3} + 1679616 x^{2} - f(x) + 1296 x + 1)$$

Sequence: A067492
Score: 5.10487
Type of gen. func.: ogf

$$\{a(n + 3) - 10077696 a(n), a(0) = 1, a(1) = 1296, a(2) = 1679616\}$$

Sequence: A067492
Score: 7.22535
Type of gen. func.: ogf

$$-\frac{1679616 x^2 + 1296 x + 1}{(216 x - 1) (46656 x^2 + 216 x + 1)}$$

Sequence: A067493
Score: 4.14394
Type of gen. func.: ogf

$$\frac{83047723206 x^4 - 1977326743 x^3 - 117649 x^2 - 16807 x - 1}{96889010407 x^4 - 1}$$

Sequence: A067494
Score: 3.93451
Type of gen. func.: ogf

$$-(f(x) - 1) (1073741824 f(x) x^3 + 134217728 x^2 - f(x) + 16777216 x + 1)$$

Sequence: A067495
Score: 8.59872
Type of gen. func.: ogf

$$(9 f(x) x - f(x) + 185302018851832 x + 1)^2$$

Sequence: A067499
Score: 20.8154
Type of gen. func.: lgdegf]

$$8 - 12 f(x) + 6 f(x)^2 - f(x)^3$$

Sequence: A067500
Score: 9.6739
Type of gen. func.: ogf

$$-(3 f(x) x - f(x) + 1)^3$$

Sequence: A067534
Score: 5.72001
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 10 x + 1)}{(-1 + 4 x) (x - 1)^5}$$

Sequence: A067534
Score: 8.14857
Type of gen. func.: lgdogf

$$-\frac{2 (6 x^4 + 91 x^3 + 114 x^2 - 21 x - 10)}{(x - 1) (-1 + 4 x) (x + 1) (x^2 + 10 x + 1)}$$

Sequence: A067550
Score: 6.91305
Type of gen. func.: ogf

$$\{(n^2 + 7 n + 10) a(n + 1) - 2 a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A067556
Score: 4.84086
Type of gen. func.: ogf

$$-\frac{44640625 x^5 - 43750000 x^4 - 875000 x^3 - 17500 x^2 - 350 x - 7}{{}^{2} \qquad\qquad {}^{2}}$$

$$(x - 1) (5 x + 1) (5 x - 1) (25 x + 5 x + 1) (25 x - 5 x + 1)$$

Sequence: A067589
Score: 6.35983
Type of gen. func.: ogf

$$-\frac{(x^2 + 4 x + 1) (x^4 - 2 x^3 + 4 x^2 - 2 x + 1)}{(x^2 + 1)^2 (x - 1)^3}$$

Sequence: A067589
Score: 7.70445
Type of gen. func.: lgdogf

$$-\frac{x^8 + 6 x^7 - 10 x^6 + 50 x^5 - 14 x^4 + 6 x^3 + 34 x^2 - 6 x + 5}{(x - 1) (x^2 + 1) (x^2 + 4 x + 1) (x^4 - 2 x^3 + 4 x^2 - 2 x + 1)}$$

Sequence: A067623
Score: 5.37513
Type of gen. func.: ogf

$$-\frac{(9 x^2 + 3 x + 1) (6561 x^6 + 81 x^3 + 1)}{1594323 x^9 - 1}$$

Sequence: A067624
Score: 5.15581
Type of gen. func.: ogf

$$\{(16 n^2 + 56 n + 48) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 8\}$$

Sequence: A067626
Score: 4.44799
Type of gen. func.: ogf

$$\{(16 n^2 + 72 n + 80) a(n + 1) - a(n + 2), a(0) = 2, a(1) = 48\}$$

Sequence: A067634
Score: 12.1536
Type of gen. func.: ogf

$$\frac{(3 x + 1) (9 x - 1)}{10 x - 1}$$

Sequence: A067634
Score: 13.0103
Type of gen. func.: lgdogf

$$\frac{2 (135 x^2 - 27 x + 2)}{(9 x - 1) (3 x + 1) (10 x - 1)}$$

Sequence: A067634
Score: 6.64210
Type of gen. func.: ogf

$$\{-a(n + 3) + 10 a(n + 2), a(0) = 1, a(1) = 4, a(2) = 13\}$$

Sequence: A067634
Score: 7.32335
Type of gen. func.: ogf

$$(7 f(x) - 15) (10 f(x) x - 27 x^2 - f(x) - 6 x + 1)$$

Sequence: A067636
Score: 3.48851
Type of gen. func.: ogf

$$\{(16 n^3 + 144 n^2 + 428 n + 420) a(n + 1) + (-n^3 - 11 n^2 - 38 n - 40) a(n + 2),$$
$$a(0) = 2, a(1) = 20\}$$

Sequence: A067703
Score: 4.3029
Type of gen. func.: ogf

$$(1492708383127 f(x) + 621636901633138)$$

$$(8 f(x) x^4 - 8 f(x) x^3 - f(x) x + 56 x^2 + f(x) + 2800 x - 2857)$$

Sequence: A067703
Score: 9.11203
Type of gen. func.: ogf

$$- \frac{56 x^2 + 2800 x - 2857}{(-1 + 2 x) (x - 1) (4 x^2 + 2 x + 1)}$$

Sequence: A067705
Score: 13.6824
Type of gen. func.: ogf

$$\frac{11 (x - 3)}{(x - 1)^3}$$

Sequence: A067705
Score: 36.8888
Type of gen. func.: lgdogf

$$- \frac{2 (x - 4)}{(x - 1) (x - 3)}$$

Sequence: A067705
Score: 6.48734
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 33, a(1) = 88, a(2) = 165\}$$

Sequence: A067705
Score: 6.77956
Type of gen. func.: ogf

$$(460 f(x) - 17721) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) - 11 x + 33)$$

Sequence: A067707
Score: 15.1019
Type of gen. func.: ogf

$$\frac{3\,(3\,x-5)}{(x-1)^3}$$

Sequence: A067707
Score: 34.7907
Type of gen. func.: lgdogf

$$-\frac{6\,(x-2)}{(x-1)\,(3\,x-5)}$$

Sequence: A067707
Score: 7.09130
Type of gen. func.: ogf

$$\{a(n+3)-3\,a(n+2)+3\,a(n+1)-a(n),\ a(0)=15,\ a(1)=36,\ a(2)=63\}$$

Sequence: A067707
Score: 7.48166
Type of gen. func.: ogf

$$(260\,f(x)-8517)\,(f(x)\,x^3-3\,f(x)\,x^2+3\,f(x)\,x-f(x)-9\,x+15)$$

Sequence: A067724
Score: 14.0697
Type of gen. func.: ogf

$$\frac{5\,(x-3)}{(x-1)^3}$$

Sequence: A067724
Score: 37.2359

Type of gen. func.: lgdogf

$$-\frac{2\,(x - 4)}{(x - 1)\,(x - 3)}$$

Sequence: A067724
Score: 6.60663
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 15,\ a(1) = 40,\ a(2) = 75\}$$

Sequence: A067724
Score: 7.03484
Type of gen. func.: ogf

$$(92\,f(x) - 1611)\,(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x - f(x) - 5\,x + 15)$$

Sequence: A067725
Score: 14.3199
Type of gen. func.: ogf

$$\frac{3\,x\,(x - 3)}{(x - 1)^{3}}$$

Sequence: A067725
Score: 38.3182
Type of gen. func.: lgdogf

$$-\frac{2\,(x - 4)}{(x - 1)\,(x - 3)}$$

Sequence: A067725
Score: 7.28779
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 0,\ a(1) = 9,\ a(2) = 24\}$$

Sequence: A067725
Score: 7.5577
Type of gen. func.: ogf

```
                            3           2                 2
       (8 f(x) + 27) (f(x) x  - 3 f(x) x  + 3 f(x) x - 3 x  - f(x) + 9 x)
```

Sequence: A067726
Score: 14.4876
Type of gen. func.: ogf

```
                                   6 (x - 3)
                                   ---------
                                          3
                                   (x - 1)
```

Sequence: A067726
Score: 38.3642
Type of gen. func.: lgdogf

```
                                    2 (x - 4)
                               - ---------------
                                 (x - 1) (x - 3)
```

Sequence: A067726
Score: 6.80287
Type of gen. func.: ogf

```
  {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 18, a(1) = 48, a(2) = 90}
```

Sequence: A067726
Score: 7.17734
Type of gen. func.: ogf

```
                               3           2
      (230 f(x) - 4833) (f(x) x  - 3 f(x) x  + 3 f(x) x - f(x) - 6 x + 18)
```

Sequence: A067727
Score: 14.3277
Type of gen. func.: ogf

```
                                   7 (x - 3)
                                   ---------
                                          3
```

$$(x - 1)$$

Sequence: A067727
Score: 37.9374
Type of gen. func.: lgdogf

$$-\frac{2 (x - 4)}{(x - 1) (x - 3)}$$

Sequence: A067727
Score: 6.66981
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 21, a(1) = 56, a(2) = 105\}$$

Sequence: A067727
Score: 7.03361
Type of gen. func.: ogf

$$(460 f(x) - 11277) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) - 7 x + 21)$$

Sequence: A067728
Score: 14.7474
Type of gen. func.: ogf

$$\frac{2 (3 x - 5)}{(x - 1)^3}$$

Sequence: A067728
Score: 33.9584
Type of gen. func.: lgdogf

$$-\frac{6 (x - 2)}{(x - 1) (3 x - 5)}$$

Sequence: A067728
Score: 6.92484

Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 10, a(1) = 24, a(2) = 42\}$$

Sequence: A067728
Score: 7.52368
Type of gen. func.: ogf

$$(130 f(x) - 2839) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) - 6 x + 10)$$

Sequence: A067749
Score: 17.0691
Type of gen. func.: ogf

$$\frac{13 x + 87}{(x - 1)^2}$$

Sequence: A067749
Score: 19.1978
Type of gen. func.: revogf

$$-\frac{-87 - 2 x + (7569 + 400 x)^{1/2}}{2 (-13 + x)}$$

Sequence: A067749
Score: 29.1523
Type of gen. func.: lgdogf

$$-\frac{187 + 13 x}{(13 x + 87) (x - 1)}$$

Sequence: A067749
Score: 8.62632
Type of gen. func.: ogf

$$(200 f(x) + 17569) (f(x) x^2 - 2 f(x) x + f(x) - 13 x - 87)$$

Sequence: A067749
Score: 9.43821
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 87, a(1) = 187\}$$

Sequence: A067771
Score: 14.6252
Type of gen. func.: ogf

$$-\frac{3 (-1 + 2 x)}{(3 x - 1) (x - 1)}$$

Sequence: A067771
Score: 16.5411
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^2 - 3 x + 1)}{(x - 1) (3 x - 1) (-1 + 2 x)}$$

Sequence: A067771
Score: 7.31262
Type of gen. func.: ogf

$$-(13 f(x) + 9) (3 f(x) x^2 - 4 f(x) x + f(x) + 6 x - 3)$$

Sequence: A067771
Score: 8.02605
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + 3 a(n), a(0) = 3, a(1) = 6\}$$

Sequence: A067839
Score: 3.69905
Type of gen. func.: ogf

$$x^2 + 2 x + 2$$

$$\overline{(x+1)(x-1)^2}$$

Sequence: A067844
Score: 13.4467
Type of gen. func.: ogf

$$\frac{2(2x^2+x+7)}{(x+1)(x-1)^2}$$

Sequence: A067844
Score: 18.1720
Type of gen. func.: lgdogf

$$-\frac{2(x^3+2x^2+13x+4)}{(x-1)(x+1)(2x^2+x+7)}$$

Sequence: A067844
Score: 7.12562
Type of gen. func.: ogf

$$(302 f(x) + 8445) (f(x) x^3 - f(x) x^2 - f(x) x - 4 x^2 + f(x) - 2 x - 14)$$

Sequence: A067844
Score: 7.24954
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 14, a(1) = 16, a(2) = 34}

Sequence: A067865
Score: 17.0691
Type of gen. func.: ogf

$$\frac{4(16x+9)}{(x-1)^2}$$

Sequence: A067865
Score: 23.1503
Type of gen. func.: revogf

$$-\frac{-18 - x + 2 (81 + 25 x)^{1/2}}{-64 + x}$$

Sequence: A067865
Score: 30.2735
Type of gen. func.: lgdogf

$$-\frac{2 (17 + 8 x)}{(16 x + 9) (x - 1)}$$

Sequence: A067865
Score: 8.81591
Type of gen. func.: ogf

$$(25 f(x) + 1412) (f(x) x^2 - 2 f(x) x + f(x) - 64 x - 36)$$

Sequence: A067865
Score: 9.43821
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 36, a(1) = 136\}$$

Sequence: A067866
Score: 14.6568
Type of gen. func.: ogf

$$\frac{8 (33 x + 92)}{(x - 1)^2}$$

Sequence: A067866
Score: 17.5990
Type of gen. func.: revogf

$$-\frac{-368 - x + 2 (33856 + 250 x)^{1/2}}{-264 + x}$$

Sequence: A067866
Score: 26.0726
Type of gen. func.: lgdogf

$$-\frac{217 + 33 x}{(33 x + 92) (x - 1)}$$

Sequence: A067866
Score: 7.55979
Type of gen. func.: ogf

$$(125 f(x) + 96356) (f(x) x^2 - 2 f(x) x + f(x) - 264 x - 736)$$

Sequence: A067866
Score: 8.25495
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 736, a(1) = 1736\}$$

Sequence: A067867
Score: 14.0726
Type of gen. func.: ogf

$$\frac{16 (79 x + 546)}{(x - 1)^2}$$

Sequence: A067867
Score: 15.9993
Type of gen. func.: revogf

$$-\frac{-4368 - x + 4 (1192464 + 625 x)^{1/2}}{-1264 + x}$$

Sequence: A067867
Score: 24.2748
Type of gen. func.: lgdogf

$$-\frac{1171 + 79 x}{(79 x + 546) (x - 1)}$$

Sequence: A067867
Score: 7.24953
Type of gen. func.: ogf

$$(625 f(x) + 5509928) (f(x) x^2 - 2 f(x) x + f(x) - 1264 x - 8736)$$

Sequence: A067867
Score: 8.06409
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 8736, a(1) = 18736\}$$

Sequence: A067869
Score: 12.2947
Type of gen. func.: ogf

$$\frac{32 (1602 x + 1523)}{(x - 1)^2}$$

Sequence: A067869
Score: 13.3039
Type of gen. func.: revogf

$$-\frac{-24368 - x + 4 (37112464 + 6250 x)^{1/2}}{-51264 + x}$$

Sequence: A067869
Score: 18.2454
Type of gen. func.: lgdogf

$$-\frac{2\,(2324 + 801\,x)}{(1602\,x + 1523)\,(x - 1)}$$

Sequence: A067869
Score: 6.26557
Type of gen. func.: ogf

$$(3125\,f(x) + 193362464)\,(f(x)\,x^2 - 2\,f(x)\,x + f(x) - 51264\,x - 48736)$$

Sequence: A067869
Score: 7.16066
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\,a(n + 1) - a(n),\ a(0) = 48736,\ a(1) = 148736\}$$

Sequence: A067870
Score: 13.6018
Type of gen. func.: ogf

$$\frac{7\,x^2 + 6\,x + 7}{(x + 1)\,(x - 1)^2}$$

Sequence: A067870
Score: 16.6072
Type of gen. func.: lgdogf

$$-\frac{7\,x^3 + 19\,x^2 + 41\,x + 13}{(x - 1)\,(x + 1)\,(7\,x^2 + 6\,x + 7)}$$

Sequence: A067870
Score: 7.03143
Type of gen. func.: ogf

$$-(11\,f(x) + 808)\,(f(x)\,x^3 - f(x)\,x^2 - f(x)\,x - 7\,x^2 + f(x) - 6\,x - 7)$$

Sequence: A067870
Score: 7.27814
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 7, a(1) = 13, a(2) = 27\}$$

Sequence: A067895
Score: 15.9751
Type of gen. func.: ogf

$$- \frac{x - 1}{(20 x - 1) (-1 + 2 x)}$$

Sequence: A067895
Score: 16.0664
Type of gen. func.: revogf

$$- \frac{-1 - 22 x + (324 x^2 + 40 x + 1)^{1/2}}{2 (1 + 40 x)}$$

Sequence: A067895
Score: 18.4764
Type of gen. func.: lgdogf

$$- \frac{40 x^2 - 80 x + 21}{(x - 1) (20 x - 1) (-1 + 2 x)}$$

Sequence: A067895
Score: 8.34258
Type of gen. func.: ogf

$$(382 f(x) + 59) (40 f(x) x^2 - 22 f(x) x + f(x) + x - 1)$$

Sequence: A067895
Score: 8.83332
Type of gen. func.: ogf

$$\{-a(n + 2) + 22\, a(n + 1) - 40\, a(n),\ a(0) = 1,\ a(1) = 21\}$$

Sequence: A067896
Score: 7.50636
Type of gen. func.: ogf

$$(21 x^9 + 42 x^8 + 84 x^7 + 168 x^6 + 15 x^5 + 30 x^4 - 151 x^3 - 63 x^2 - 126 x - 41) / ((x - 1) (x^2 + x + 1))$$

Sequence: A067900
Score: 10.2342
Type of gen. func.: revogf

$$- \frac{-7 x - 4 + 2 (3 x + 2)^{1/2} (1 + 2 x)^{1/2} 2^{1/2}}{x}$$

Sequence: A067900
Score: 12.2825
Type of gen. func.: ogf

$$-f(x) x^2 + 14 f(x) x - f(x) + 8 x$$

Sequence: A067900
Score: 13.4205
Type of gen. func.: ogf

$$\frac{8 x}{x^2 - 14 x + 1}$$

Sequence: A067900
Score: 22.7945
Type of gen. func.: lgdogf

$$- \frac{2 (x - 7)}{}$$

$$x^2 - 14 x + 1$$

Sequence: A067900
Score: 6.21924
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1) + a(n), a(0) = 0, a(1) = 8\}$$

Sequence: A067902
Score: 16.0622
Type of gen. func.: ogf

$$-\frac{2 (7 x - 1)}{x^2 - 14 x + 1}$$

Sequence: A067902
Score: 20.6373
Type of gen. func.: lgdogf

$$-\frac{7 x^2 - 2 x + 7}{(7 x - 1) (x^2 - 14 x + 1)}$$

Sequence: A067902
Score: 8.11747
Type of gen. func.: ogf

$$-(48 f(x) - 47) (f(x) x^2 - 14 f(x) x + f(x) + 14 x - 2)$$

Sequence: A067902
Score: 8.98719
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1) + a(n), a(0) = 2, a(1) = 14\}$$

Sequence: A067955

Score: 27.5500
Type of gen. func.: revogf

$$-\frac{x (x - 1) (x + 1)}{x^3 - x^2 + 1}$$

Sequence: A067955
Score: 9.70727
Type of gen. func.: ogf

$$-x^3 f(x)^3 - f(x)^3 x^2 + f(x)^2 x^2 + f(x) - 1$$

Sequence: A067956
Score: 4.72278
Type of gen. func.: ogf

$$-\frac{2 x^7 - 3 x^6 - 6 x^5 + 11 x^4 + 6 x^3 - 9 x^2 - 2 x + 9}{(x + 1)^3 (x - 1)^5}$$

Sequence: A067956
Score: 5.89172
Type of gen. func.: lgdogf

$$-\frac{2 (x^8 - x^7 - 5 x^6 + 7 x^5 + 11 x^4 + x^3 - 7 x^2 + 25 x + 8)}{(x - 1) (x + 1) (2 x^7 - 3 x^6 - 6 x^5 + 11 x^4 + 6 x^3 - 9 x^2 - 2 x + 9)}$$

Sequence: A067969
Score: 4.14096
Type of gen. func.: ogf

$$-\frac{2 x^9 - 3 x^8 - 8 x^7 + 12 x^6 + 12 x^5 - 26 x^4 - 8 x^3 + 12 x^2 + 2 x - 11}{(x + 1)^4 (x - 1)^6}$$

Sequence: A067977

Score: 14.4900
Type of gen. func.: lgdogf

$$-\frac{63 x^2 + 157 x + 89}{(21 x + 34) (x^2 + x - 1)}$$

Sequence: A067977
Score: 3.99752
Type of gen. func.: ogf

$$\frac{(53702063 f(x) + 111455445095)}{(f(x) x^4 + 2 f(x) x^3 - f(x) x^2 - 2 f(x) x + f(x) - 21 x - 34)}$$

Sequence: A067977
Score: 8.94684
Type of gen. func.: ogf

$$\frac{21 x + 34}{(x^2 + x - 1)^2}$$

Sequence: A067978
Score: 14.1727
Type of gen. func.: lgdogf

$$-\frac{2 (51 x^2 + 127 x + 72)}{(34 x + 55) (x^2 + x - 1)}$$

Sequence: A067978
Score: 3.94518
Type of gen. func.: ogf

$$\frac{-(122316767 f(x) - 1074085598239)}{(f(x) x^4 + 2 f(x) x^3 - f(x) x^2 - 2 f(x) x + f(x) - 34 x - 55)}$$

Sequence: A067978
Score: 9.20543
Type of gen. func.: ogf

$$\frac{34 x + 55}{(x^2 + x - 1)^2}$$

Sequence: A067980
Score: 12.5378
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 21 x^2 + 23 x + 13}{(1 + 2 x) (x + 3) (x^2 + x - 1)}$$

Sequence: A067980
Score: 4.3363
Type of gen. func.: ogf

$$-(3980 f(x) - 4733)$$

$$(f(x) x^4 + 2 f(x) x^3 - f(x) x^2 - 2 f(x) x - 2 x^2 + f(x) - 7 x - 3)$$

Sequence: A067980
Score: 8.73546
Type of gen. func.: ogf

$$\frac{(x + 3) (1 + 2 x)}{(x^2 + x - 1)^2}$$

Sequence: A067981
Score: 11.4628
Type of gen. func.: lgdogf

$$-\frac{12 x^3 + 33 x^2 + 39 x + 19}{(1 + 2 x) (3 x + 4) (x^2 + x - 1)}$$

Sequence: A067981
Score: 4.15935
Type of gen. func.: ogf

$$-(7435 f(x) + 11347)$$

$$(f(x) x^4 + 2 f(x) x^3 - f(x) x^2 - 2 f(x) x - 6 x^2 + f(x) - 11 x - 4)$$

Sequence: A067981
Score: 8.37810
Type of gen. func.: ogf

$$\frac{(3 x + 4) (1 + 2 x)}{(x^2 + x - 1)^2}$$

Sequence: A067982
Score: 11.5647
Type of gen. func.: lgdogf

$$-\frac{2 (8 x^3 + 27 x^2 + 31 x + 16)}{(4 x + 7) (1 + 2 x) (x^2 + x - 1)}$$

Sequence: A067982
Score: 4.1884
Type of gen. func.: ogf

$$-(102915 f(x) - 882491)$$

$$(f(x) x^4 + 2 f(x) x^3 - f(x) x^2 - 2 f(x) x - 8 x^2 + f(x) - 18 x - 7)$$

Sequence: A067982
Score: 8.61611
Type of gen. func.: ogf

$$\frac{(4 x + 7) (1 + 2 x)}{(x^2 + x - 1)^2}$$

Sequence: A067983
Score: 11.0918
Type of gen. func.: lgdogf

$$-\frac{28 x^3 + 87 x^2 + 101 x + 51}{(7 x + 11) (1 + 2 x) (x^2 + x - 1)}$$

Sequence: A067983
Score: 4.12556
Type of gen. func.: ogf

$$(189790 f(x) + 5881457)$$

$$(f(x) x^4 + 2 f(x) x^3 - f(x) x^2 - 2 f(x) x - 14 x^2 + f(x) - 29 x - 11)$$

Sequence: A067983
Score: 8.19382
Type of gen. func.: ogf

$$\frac{(7 x + 11) (1 + 2 x)}{(x^2 + x - 1)^2}$$

Sequence: A067984
Score: 10.2570
Type of gen. func.: lgdogf

$$-\frac{44 x^3 + 141 x^2 + 163 x + 83}{(11 x + 18) (1 + 2 x) (x^2 + x - 1)}$$

Sequence: A067984
Score: 3.80476
Type of gen. func.: ogf

$$-(851725 f(x) - 118031957)$$

$$(f(x) x^4 + 2 f(x) x^3 - f(x) x^2 - 2 f(x) x - 22 x^2 + f(x) - 47 x - 18)$$

Sequence: A067984
Score: 7.87374
Type of gen. func.: ogf

$$\frac{(11 x + 18) (1 + 2 x)}{(x^2 + x - 1)^2}$$

Sequence: A067985
Score: 3.69415
Type of gen. func.: ogf

$$(28256755 f(x) + 16230988886)$$

$$(f(x) x^4 + 2 f(x) x^3 - f(x) x^2 - 2 f(x) x - 36 x^2 + f(x) - 76 x - 29)$$

Sequence: A067985
Score: 7.64483
Type of gen. func.: ogf

$$\frac{(18 x + 29) (1 + 2 x)}{(x^2 + x - 1)^2}$$

Sequence: A067985
Score: 9.59916
Type of gen. func.: lgdogf

$$- \frac{2 (36 x^3 + 114 x^2 + 132 x + 67)}{(1 + 2 x) (18 x + 29) (x^2 + x - 1)}$$

Sequence: A067986
Score: 3.61092
Type of gen. func.: ogf

$$-(196115460 f(x) - 481104291889)$$

$$(f(x) x^4 + 2 f(x) x^3 - f(x) x^2 - 2 f(x) x - 58 x^2 + f(x) - 123 x - 47)$$

Sequence: A067986
Score: 7.71649
Type of gen. func.: ogf

$$\frac{(29 x + 47) (1 + 2 x)}{(x^2 + x - 1)^2}$$

Sequence: A067986
Score: 9.82908
Type of gen. func.: lgdogf

$$-\frac{116 x^3 + 369 x^2 + 427 x + 217}{(1 + 2 x) (29 x + 47) (x^2 + x - 1)}$$

Sequence: A067987
Score: 10.0590
Type of gen. func.: lgdogf

$$-\frac{188 x^3 + 597 x^2 + 691 x + 351}{(47 x + 76) (1 + 2 x) (x^2 + x - 1)}$$

Sequence: A067987
Score: 3.76587
Type of gen. func.: ogf

$$(148645035 f(x) + 1539849948223)$$

$$(f(x) x^4 + 2 f(x) x^3 - f(x) x^2 - 2 f(x) x - 94 x^2 + f(x) - 199 x - 76)$$

Sequence: A067987
Score: 7.89288
Type of gen. func.: ogf

$$\frac{(47 x + 76) (1 + 2 x)}{(x^2 + x - 1)^2}$$

Sequence: A067988
Score: 16.5559
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + x^2 + 8 x + 3}{(x^2 + 1) (x^2 + x - 1)}$$

Sequence: A067988
Score: 3.42405
Type of gen. func.: ogf

$$\{(-n^2 - 10 n - 25) a(n + 1) + (-n^2 - 8 n - 15) a(n + 2)$$

$$+ (n^2 + 6 n + 9) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 10\}$$

Sequence: A067988
Score: 9.37663
Type of gen. func.: ogf

$$-\frac{x^2 + 1}{(x^2 + x - 1)^3}$$

Sequence: A067989
Score: 7.53335
Type of gen. func.: ogf

$$\frac{(1 + 2 x) (x^2 - 4 x - 1)}{(x^2 + x - 1)^3}$$

Sequence: A067989
Score: 9.44807
Type of gen. func.: lgdogf

$$-\frac{6 x^4 - 28 x^3 - 31 x^2 - 32 x - 9}{}$$

$$(1 + 2 x) (x^2 + x - 1) (x^2 - 4 x - 1)$$

Sequence: A067994
Score: 176.753
Type of gen. func.: lgdegf]

$$-2 x$$

Sequence: A067994
Score: 6.44137
Type of gen. func.: ogf

$$\{(-2 n - 4) a(n + 1) - a(n + 3), a(0) = 1, a(1) = 0, a(2) = -2\}$$

Sequence: A067998
Score: 12.0904
Type of gen. func.: ogf

$$f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) - x$$

Sequence: A067998
Score: 18.0295
Type of gen. func.: ogf

$$-\frac{x (3 x - 1)}{(x - 1)^3}$$

Sequence: A067998
Score: 56.8658
Type of gen. func.: lgdogf

$$-\frac{6 x}{(3 x - 1) (x - 1)}$$

Sequence: A067998
Score: 9.34255
Type of gen. func.: ogf

{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 0, a(1) = -1, a(2) = 0}

Sequence: A068010
Score: 12.0821
Type of gen. func.: ogf

$$-\frac{2 x^3 + x - 1}{(-1 + 2 x) (2 x^3 - 1)}$$

Sequence: A068010
Score: 13.1437
Type of gen. func.: lgdogf

$$-\frac{8 x^6 + 12 x^4 - 12 x^3 + 1}{(-1 + 2 x) (2 x^3 - 1) (2 x^3 + x - 1)}$$

Sequence: A068010
Score: 6.40878
Type of gen. func.: ogf

$$-(f(x) + 5) (4 f(x) x^4 - 2 f(x) x^3 + 2 x^3 - 2 f(x) x + f(x) + x - 1)$$

Sequence: A068011
Score: 10.3747
Type of gen. func.: ogf

$$-\frac{(x^2 - x + 1) (2 x^3 + 2 x^2 - 1)}{(-1 + 2 x) (2 x^5 - 1)}$$

Sequence: A068011
Score: 8.06604
Type of gen. func.: lgdogf

10 7 6 5 2

$$-\frac{8 x + 16 x + 14 x - 16 x + 2 x - 2 x + 1}{(-1 + 2 x) (x^2 - x + 1) (2 x^3 + 2 x^2 - 1) (2 x^5 - 1)}$$

Sequence: A068012
Score: 7.82933
Type of gen. func.: lgdogf

$$\frac{8 x^8 - 8 x^7 + 6 x^6 - 8 x^5 + 14 x^4 - 8 x^3 + 2 x^2 - 2 x + 1}{(x - 1) (-1 + 2 x) (2 x^3 - 1) (2 x^4 + 3 x^3 + x^2 - 1)}$$

Sequence: A068012
Score: 8.82564
Type of gen. func.: ogf

$$\frac{(x - 1) (2 x^4 + 3 x^3 + x^2 - 1)}{(-1 + 2 x) (2 x^3 - 1)}$$

Sequence: A068013
Score: 5.60651
Type of gen. func.: lgdogf

$$- (8 x^{14} + 12 x^{12} - 20 x^{11} + 26 x^{10} + 16 x^9 + 18 x^8 - 20 x^7 + 8 x^5 - 11 x^4 + 8 x^3 - x^2 - 2 x + 1) / ((-1 + 2 x) (2 x^7 - 1) (2 x^7 + x^5 - x^4 + x^3 + x^2 + x - 1))$$

Sequence: A068013
Score: 7.98998
Type of gen. func.: ogf

$$-\frac{2 x^7 + x^5 - x^4 + x^3 + x^2 + x - 1}{(-1 + 2 x) (2 x^7 - 1)}$$

Sequence: A068018
Score: 10.8661
Type of gen. func.: ogf

$$\frac{3 x^2 - 1}{(-1 + 2 x) (1 + 2 x) (x - 1)^2}$$

Sequence: A068018
Score: 12.8205
Type of gen. func.: lgdogf

$$- \frac{2 (12 x^4 - 8 x^2 + x + 1)}{(x - 1) (1 + 2 x) (-1 + 2 x) (3 x^2 - 1)}$$

Sequence: A068018
Score: 3.60355
Type of gen. func.: ogf

{(4 n + 8) a(n + 1) + (-4 n - 4) a(n + 2) + (-n - 2) a(n + 3)

+ (n + 1) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 6}

Sequence: A068018
Score: 5.47515
Type of gen. func.: ogf

$$-(f(x) - 2) (4 f(x) x^4 - 8 f(x) x^3 + 3 f(x) x^2 + 2 f(x) x - 3 x^2 - f(x) + 1)$$

Sequence: A068028
Score: 11.3102
Type of gen. func.: lgdogf

$$- \frac{5 x^6 + 6 x^5 - 21 x^4 + 30 x^3 - 9 x^2 + 6 x + 1}{(x - 1) (x + 1) (x^2 - x + 1) (4 x^4 + x^3 + 3 x^2 - 2 x + 3)}$$

Sequence: A068028
Score: 12.8739
Type of gen. func.: ogf

$$-\frac{4x^4+x^3+3x^2-2x+3}{(x-1)(x+1)(x^2-x+1)}$$

Sequence: A068028
Score: 7.28892
Type of gen. func.: ogf

$$-(167 f(x) - 1720)$$

$$(f(x)x^4 - f(x)x^3 + 4x^4 + x^3 + f(x)x + 3x^2 - f(x) - 2x + 3)$$

Sequence: A068030
Score: 4.76371
Type of gen. func.: ogf

$$-\frac{4x^{12}-2x^9-x^7+2x^6+2x^5+2x^4-3x^3-x^2-x+1}{(-1+2x)(2x^3-1)(2x^9-1)}$$

Sequence: A068031
Score: 7.21631
Type of gen. func.: ogf

$$\frac{(x-1)(2x^7+3x^6+4x^5+2x^4+2x^3+x^2-1)}{(-1+2x)(2x^5-1)}$$

Sequence: A068032
Score: 6.90559
Type of gen. func.: ogf

$$-\frac{2x^{11}+x^9-x^5+x^4+x^3+x^2+x-1}{(-1+2x)(2x^{11}-1)}$$

Sequence: A068033
Score: 6.58882
Type of gen. func.: ogf

$$-\frac{2x^8 - x^7 - 2x^6 - 3x^5 - x^4 + 3x^3 + x^2 + x - 1}{(-1 + 2x)(2x^3 - 1)}$$

Sequence: A068034
Score: 6.35558
Type of gen. func.: ogf

$$-\frac{2x^{13} - x^{10} + x^9 - x^6 + x^4 + x^3 + x^2 + x - 1}{(-1 + 2x)(2x^{13} - 1)}$$

Sequence: A068035
Score: 5.21464
Type of gen. func.: ogf

$$-\frac{2x^{13} + x^{12} - 3x^{11} - x^{10} - x^9 - x^8 + 2x^7 - x^6 + x^4 + x^3 + x^2 + x - 1}{(-1 + 2x)(2x^7 - 1)}$$

Sequence: A068037
Score: 8.09182
Type of gen. func.: ogf

$$\frac{2x^8 - x^7 - 2x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}{-1 + 2x}$$

Sequence: A068037
Score: 8.29444
Type of gen. func.: lgdogf

$$\frac{28x^8 - 28x^7 - 13x^6 + 20x^5 + x^4 - x^2 - 2x + 1}{}$$

$$(-1 + 2 x) (2 x^{8} - x^{7} - 2 x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x - 1)$$

Sequence: A068041
Score: 4.81681
Type of gen. func.: ogf

$$(4 x^{12} + 4 x^{11} - x^{10} - 7 x^{9} - 11 x^{8} - 15 x^{7} - 15 x^{6} - 11 x^{5} - 5 x^{4} - 2 x^{3} + x + 1) (x - 1)^{2} / ((-1 + 2 x) (2 x^{5} - 1))$$

Sequence: A068044
Score: 4.61723
Type of gen. func.: ogf

$$- (2 x^{15} + 5 x^{14} - 5 x^{13} - 13 x^{12} - 3 x^{11} + 9 x^{10} + 8 x^{9} + x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x + 1)/(-1 + 2 x)$$

Sequence: A068062
Score: 4.70761
Type of gen. func.: ogf

$$x (19 x^{18} + 9 x^{17} + 9 x^{16} + 9 x^{15} + 9 x^{14} - 9 x^{13} + 8 x^{9} + 9 x^{8} + 9 x^{7} + 9 x^{6} + 9 x^{5} + 3 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2) / ((x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A068073
Score: 16.2507
Type of gen. func.: ogf

$$- \frac{2 x^{2} + x + 1}{(x - 1) (x^{2} + 1)}$$

Sequence: A068073
Score: 21.1452
Type of gen. func.: lgdogf

$$-\frac{2\,(x^2-x+1)\,(x+1)^2}{(x-1)\,(x^2+1)\,(2\,x^2+x+1)}$$

Sequence: A068073
Score: 8.47259
Type of gen. func.: ogf

$$-(14\,f(x)+31)\,(f(x)\,x^3-f(x)\,x^2+f(x)\,x+2\,x^2-f(x)+x+1)$$

Sequence: A068073
Score: 8.85083
Type of gen. func.: ogf

$$\{a(n+3)-a(n+2)+a(n+1)-a(n),\ a(0)=1,\ a(1)=2,\ a(2)=3\}$$

Sequence: A068082
Score: 4.56678
Type of gen. func.: ogf

$$-(21419570970\,f(x)-234009199007)$$

$$(-70\,x^4+9\,f(x)\,x^2+52\,x^3-10\,f(x)\,x+11\,x^2+f(x)+7\,x-1)$$

Sequence: A068082
Score: 7.27103
Type of gen. func.: lgdogf

$$\frac{1260\,x^5-2568\,x^4+1320\,x^3+17\,x^2-40\,x+3}{(x-1)\,(9\,x-1)\,(70\,x^4-52\,x^3-11\,x^2-7\,x+1)}$$

Sequence: A068082
Score: 8.63310
Type of gen. func.: ogf

$$\frac{70 x^4 - 52 x^3 - 11 x^2 - 7 x + 1}{(9 x - 1) (x - 1)}$$

Sequence: A068085
Score: 4.74457
Type of gen. func.: ogf

$$- \frac{x (x^4 + 20 x^3 + 57 x^2 + 20 x + 1)}{(x - 1) (x^6 - 1442 x^3 + 1)}$$

Sequence: A068102
Score: 3.93962
Type of gen. func.: ogf

$$\{(2 n^2 + 12 n + 18) a(n + 1) + (-3 n - 11) a(n + 2) + a(n + 3), a(0) = 1,$$

$$a(1) = 5, a(2) = 32\}$$

Sequence: A068154
Score: 3.98483
Type of gen. func.: ogf

$$- \frac{1620000 x^4 + 6750 x^2 + 1}{(12 x - 1) (15 x - 1) (20 x - 1) (30 x - 1) (60 x - 1)}$$

Sequence: A068156
Score: 13.3271
Type of gen. func.: ogf

$$\frac{2 x^2 + 1}{(-1 + 2 x) (x - 1)}$$

Sequence: A068156
Score: 16.8270
Type of gen. func.: lgdogf

$$-\frac{3\,(2\,x^{2} - 1)}{(x - 1)\,(-1 + 2\,x)\,(2\,x^{2} + 1)}$$

Sequence: A068156
Score: 6.40225
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 2\,a(n + 1),\ a(0) = 1,\ a(1) = 3,\ a(2) = 9\}$$

Sequence: A068156
Score: 9.74671
Type of gen. func.: ogf

$$-2\,f(x)\,x^{2} + 3\,f(x)\,x + 2\,x^{2} - f(x) + 1$$

Sequence: A068175
Score: 3.64392
Type of gen. func.: ogf

$$(12320000\,x^{7} - 12322200\,x^{6} + 34200\,x^{5} - 33320\,x^{4} + 630\,x^{3} + 497\,x^{2} + 95\,x - 1)/$$

$$((x - 1)\,(100\,x - 1)\,(10\,x - 1))$$

Sequence: A068176
Score: 4.71974
Type of gen. func.: ogf

$$\frac{2986275\,x^{6} + 1189275\,x^{5} + 109275\,x^{4} + 21275\,x^{3} + 2275\,x^{2} + 175\,x - 2}{100\,x - 1}$$

Sequence: A068177
Score: 3.64150
Type of gen. func.: ogf

$$\frac{29280000\,x^{6} - 32203800\,x^{5} + 2948000\,x^{4} - 29650\,x^{3} + 305\,x^{2} + 297\,x - 3}{}$$

$$(x - 1) (100 x - 1) (10 x - 1)$$

Sequence: A068178
Score: 3.66743
Type of gen. func.: ogf

$$\frac{1593000 x^5 - 1735230 x^4 + 136353 x^3 - 850 x^2 + 395 x - 4}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A068179
Score: 4.95057
Type of gen. func.: ogf

$$\{a(n + 3) - 11 a(n + 2) + 36 a(n + 1) - 36 a(n), a(0) = 1, a(1) = 11, a(2) = 121\}$$

Sequence: A068179
Score: 5.26277
Type of gen. func.: ogf

$$(f(x) - 1) (36 f(x) x^3 - 36 f(x) x^2 + 11 f(x) x + 36 x^2 - f(x) + 1)$$

Sequence: A068179
Score: 9.57651
Type of gen. func.: ogf

$$- \frac{36 x^2 + 1}{(6 x - 1) (3 x - 1) (-1 + 2 x)}$$

Sequence: A068179
Score: 9.86525
Type of gen. func.: lgdogf

$$- \frac{1296 x^4 - 288 x^2 + 11}{(6 x - 1) (3 x - 1) (-1 + 2 x) (36 x^2 + 1)}$$

Sequence: A068180
Score: 3.48612
Type of gen. func.: ogf

$$f(x) (864 f(x) x^4 - 720 f(x) x^3 - 864 x^4 + 210 f(x) x^2 - 25 f(x) x - 210 x^2 + f(x) - 1)$$

Sequence: A068180
Score: 5.64420
Type of gen. func.: ogf

$$\frac{864 x^4 + 210 x^2 + 1}{(6 x - 1) (3 x - 1) (12 x - 1) (-1 + 4 x)}$$

Sequence: A068181
Score: 4.58003
Type of gen. func.: ogf

$$\{(36 n^2 + 126 n + 108) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 18\}$$

Sequence: A068203
Score: 13.5632
Type of gen. func.: ogf

$$- \frac{15 x - 1}{x^2 - 30 x + 1}$$

Sequence: A068203
Score: 16.4774
Type of gen. func.: lgdogf

$$- \frac{15 x^2 - 2 x + 15}{(15 x - 1) (x^2 - 30 x + 1)}$$

Sequence: A068203
Score: 6.71024
Type of gen. func.: ogf

$$-(448 f(x) - 223) (f(x) x^2 - 30 f(x) x + f(x) + 15 x - 1)$$

Sequence: A068203
Score: 7.58895
Type of gen. func.: ogf

$$\{a(n + 2) - 30 a(n + 1) + a(n), a(0) = 1, a(1) = 15\}$$

Sequence: A068204
Score: 12.3446
Type of gen. func.: revogf

$$- \frac{-2 - 15 x + 2 (8 x + 1)^{1/2} (7 x + 1)^{1/2}}{x}$$

Sequence: A068204
Score: 13.8629
Type of gen. func.: ogf

$$\frac{4 x}{x^2 - 30 x + 1}$$

Sequence: A068204
Score: 22.5424
Type of gen. func.: lgdogf

$$- \frac{2 (-15 + x)}{x^2 - 30 x + 1}$$

Sequence: A068204
Score: 6.42429
Type of gen. func.: ogf

$$\{a(n + 2) - 30 a(n + 1) + a(n), a(0) = 0, a(1) = 4\}$$

Sequence: A068204
Score: 8.77986
Type of gen. func.: ogf

$$-f(x) x^2 + 30 f(x) x - f(x) + 4 x$$

Sequence: A068214
Score: 12.2026
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^2$$

Sequence: A068217
Score: 11.6481
Type of gen. func.: lgdogf

$$-\frac{2 (x^6 + 3 x^5 + 2 x^4 + 7 x^3 + 6 x^2 + x + 1)}{(x - 1) (x^2 + x + 1) (x^4 + 2 x^3 + x^2 + 2 x + 1)}$$

Sequence: A068217
Score: 12.0381
Type of gen. func.: ogf

$$\frac{2 (x^4 + 2 x^3 + x^2 + 2 x + 1)}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A068217
Score: 6.86547
Type of gen. func.: ogf

$$\{(-n - 5) a(n + 1) + (n + 2) a(n + 4), a(0) = 2, a(1) = 4, a(2) = 2, a(3) = 8\}$$

Sequence: A068219
Score: 7.84607
Type of gen. func.: lgdogf

$$-\frac{2x^9+3x^8+12x^7+5x^6+24x^5+12x^4+20x^3+3x^2+6x+1}{(x-1)(x+1)(x^2+1)(x^6+x^5+3x^4+x^3+3x^2+x+1)}$$

Sequence: A068219
Score: 9.88569
Type of gen. func.: ogf

$$\frac{3(x^6+x^5+3x^4+x^3+3x^2+x+1)}{(x-1)^2(x+1)^2(x^2+1)^2}$$

Sequence: A068236
Score: 11.2980
Type of gen. func.: ogf

$$\frac{30(x+1)^2}{(x-1)^4}$$

Sequence: A068236
Score: 38.4316
Type of gen. func.: ogf_with_Euler_transform]

[6 - 2 x]

Sequence: A068236
Score: 39.9562
Type of gen. func.: lgdogf

$$-\frac{2(3+x)}{(x-1)(x+1)}$$

Sequence: A068236
Score: 5.85222

Type of gen. func.: ogf

$$\{(-n - 3) a(n + 3) + 6 a(n + 2) + (n + 3) a(n + 1), a(0) = 30, a(1) = 180, a(2) = 570\}$$

Sequence: A068236
Score: 6.02562
Type of gen. func.: ogf

$$(14 f(x) + 771) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 30 x^2 + f(x) - 60 x - 30)$$

Sequence: A068239
Score: 3.66340
Type of gen. func.: ogf

$$\frac{1199 x^7 + 16567 x^6 + 60099 x^5 + 71075 x^4 + 28765 x^3 + 3621 x^2 + 113 x + 1}{(x - 1)^{10}}$$

Sequence: A068244
Score: 4.09347
Type of gen. func.: ogf

$$\frac{1089 x^6 + 10934 x^5 + 26015 x^4 + 18500 x^3 + 3775 x^2 + 166 x + 1}{(x - 1)^{10}}$$

Sequence: A068250
Score: 4.32516
Type of gen. func.: ogf

$$\frac{832 x^5 + 4805 x^4 + 6630 x^3 + 2600 x^2 + 250 x + 3}{(x - 1)^{10}}$$

Sequence: A068250

Score: 7.18239
Type of gen. func.: lgdogf

$$-\frac{10\,(416\,x^5 + 3299\,x^4 + 6563\,x^3 + 4069\,x^2 + 745\,x + 28)}{(x - 1)\,(832\,x^5 + 4805\,x^4 + 6630\,x^3 + 2600\,x^2 + 250\,x + 3)}$$

Sequence: A068293
Score: 10.9342
Type of gen. func.: ogf

$$-2\,f(x)\,x^2 + 3\,f(x)\,x + 2\,x^2 - f(x) + 3\,x + 1$$

Sequence: A068293
Score: 14.6477
Type of gen. func.: ogf

$$\frac{(x + 1)\,(2\,x + 1)}{(2\,x - 1)\,(x - 1)}$$

Sequence: A068293
Score: 14.9123
Type of gen. func.: lgdogf

$$-\frac{6\,(2\,x^2 - 1)}{(x - 1)\,(2\,x + 1)\,(2\,x - 1)\,(x + 1)}$$

Sequence: A068293
Score: 7.53715
Type of gen. func.: ogf

$$\{-a(n + 3) + 3\,a(n + 2) - 2\,a(n + 1),\ a(0) = 1,\ a(1) = 6,\ a(2) = 18\}$$

Sequence: A068377
Score: 11.6524
Type of gen. func.: ogf

$$x^3 - 5\,x^2 - 3\,x - 1$$

$$\frac{}{(x - 1)^3}$$

Sequence: A068377
Score: 21.3162
Type of gen. func.: lgdogf

$$\frac{2 (x^2 + 8 x + 3)}{(x - 1) (x^3 - 5 x^2 - 3 x - 1)}$$

Sequence: A068377
Score: 6.00010
Type of gen. func.: ogf

$\{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 6, a(2) = 20,$

$a(3) = 42\}$

Sequence: A068377
Score: 6.48399
Type of gen. func.: ogf

$$(984 f(x) - 4351) (f(x) x^3 - 3 f(x) x^2 - x^3 + 3 f(x) x + 5 x^2 - f(x) + 3 x + 1)$$

Sequence: A068379
Score: 11.4762
Type of gen. func.: ogf

$$\frac{x^3 - 11 x^2 - 21 x - 1}{(x - 1)^3}$$

Sequence: A068379
Score: 20.5093
Type of gen. func.: lgdogf

$$\frac{8 (x^2 + 8 x + 3)}{}$$

```
                                  3       2
                        (x - 1) (x  - 11 x  - 21 x - 1)



------------------------------------------------------------------------------

Sequence:  A068379
Score: 5.99126
Type of gen. func.: ogf


{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 24, a(2) = 80,

    a(3) = 168}



------------------------------------------------------------------------------

Sequence:  A068379
Score: 6.26778
Type of gen. func.: ogf


-(246 f(x) - 3859)

           3           2      3                  2
    (f(x) x  - 3 f(x) x  - 2 x  + 3 f(x) x + 14 x  - f(x) + 18 x + 2)



------------------------------------------------------------------------------

Sequence:  A068380
Score: 10.5029
Type of gen. func.: ogf


                              3       2
                             x  - 21 x  - 51 x - 1
                             ---------------------
                                            3
                                   (x - 1)



------------------------------------------------------------------------------

Sequence:  A068380
Score: 18.2789
Type of gen. func.: lgdogf


                                    2
                               18 (x  + 8 x + 3)
                        -------------------------------
                                  3       2
                        (x - 1) (x  - 21 x  - 51 x - 1)



------------------------------------------------------------------------------

Sequence:  A068380
Score: 5.44311
Type of gen. func.: ogf


{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 54, a(2) = 180,
```

$a(3) = 378\}$

Sequence: A068380
Score: 5.69241
Type of gen. func.: ogf

$$-(328 f(x) - 11085)$$

$$(f(x) x^3 - 3 f(x) x^2 - 3 x^3 + 3 f(x) x + 27 x^2 - f(x) + 45 x + 3)$$

Sequence: A068397
Score: 10.1569
Type of gen. func.: ogf

$$-\frac{4 x^3 + 3 x^2 - 4 x - 1}{(x - 1) (x + 1) (x^2 + x - 1)}$$

Sequence: A068397
Score: 5.35672
Type of gen. func.: ogf

$$-(235 f(x) - 1144)$$

$$(f(x) x^4 + f(x) x^3 - 2 f(x) x^2 + 4 x^3 - f(x) x + 3 x^2 + f(x) - 4 x - 1)$$

Sequence: A068397
Score: 9.84015
Type of gen. func.: lgdogf

$$-\frac{4 x^6 + 6 x^5 - x^4 - 4 x^3 - 4 x^2 - 2 x + 5}{(x - 1) (x + 1) (x^2 + x - 1) (4 x^3 + 3 x^2 - 4 x - 1)}$$

Sequence: A068491
Score: 5.32660
Type of gen. func.: ogf

$$x^{10} - x^9 + x^8 + x^6 + x^4 + x^2 - x + 1$$

$$\overline{(x^2+x+1)\,(x^2-x+1)\,(x^2+1)\,(x+1)^2\,(x-1)^4}$$

Sequence: A068508
Score: 11.1381
Type of gen. func.: ogf

$$-\frac{3x^7+4x^6+5x^5+3x^4+2x^3+x^2+x+1}{(x-1)\,(x+1)\,(x^2+1)\,(x^4+1)}$$

Sequence: A068548
Score: 12.3940
Type of gen. func.: lgdogf

$$-\frac{32\,(4x^2-5x-1)}{(-1+4x)\,(16x^2-16x-1)}$$

Sequence: A068548
Score: 3.78279
Type of gen. func.: ogf

$$(2760\,f(x)+11567)\,(256\,f(x)\,x^4-256\,f(x)\,x^3+96\,f(x)\,x^2-16\,f(x)\,x+16\,x^2$$
$$+\,f(x)-16\,x-1)$$

Sequence: A068548
Score: 7.07430
Type of gen. func.: ogf

$$-\frac{16x^2-16x-1}{(-1+4x)^4}$$

Sequence: A068551
Score: 10.7192
Type of gen. func.: revogf

$$\frac{x\,(4 x + 1 + 3 (1 + 4 x)^{1/2})}{(1 + 4 x)^{1/2}\,(1 + (1 + 4 x)^{1/2})^{3}}$$

Sequence: A068551
Score: 4.19586
Type of gen. func.: ogf

$$\{(-16 n - 24) a(n + 1) + (8 n + 18) a(n + 2) + (-n - 3) a(n + 3),\ a(0) = 0,\ a(1) = 2,\ a(2) = 10\}$$

Sequence: A068551
Score: 6.9779
Type of gen. func.: ogf

$$-16 f(x)^{2} x^{2} + 8 f(x)^{2} x - f(x)^{2} - 8 f(x) x + 2 f(x) - 4 x$$

Sequence: A068552
Score: 4.66845
Type of gen. func.: ogf

$$-64 x^{3} f(x)^{2} + 48 f(x)^{2} x^{2} - 12 f(x)^{2} x + 32 f(x) x^{2} + f(x)^{2} - 16 f(x) x - 16 x^{2} + 2 f(x) - 4 x + 1$$

Sequence: A068552
Score: 9.71838
Type of gen. func.: lgdogf

$$-\frac{4\,(8 x^{2} + 8 x - 1 + (-(-1 + 4 x) (2 x - 1)^{2})^{1/2})}{(16 x^{2} + 4 x - 1) (-1 + 4 x)}$$

Sequence: A068554
Score: 4.4581
Type of gen. func.: ogf

$$-64 x^3 f(x)^2 + 48 f(x)^2 x^2 - 12 f(x)^2 x + 32 f(x) x^2 + f(x)^2 - 16 f(x) x - 4 x^2 + 2 f(x) - 4 x + 1$$

Sequence: A068554
Score: 9.30386
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^2 + 10 x - 2 + (-(-1 + 4 x) (2 x - 1)^2)^{1/2})}{(4 x^2 + 4 x - 1) (-1 + 4 x)}$$

Sequence: A068601
Score: 10.7337
Type of gen. func.: ogf

$$\frac{x (x^2 - 2 x + 7)}{(x - 1)^4}$$

Sequence: A068601
Score: 23.4067
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 - 2 x + 13)}{(x - 1) (x^2 - 2 x + 7)}$$

Sequence: A068601
Score: 3.93750
Type of gen. func.: ogf

$$\{(-21 - 7 n) a(n + 4) + (44 + 9 n) a(n + 3) + (-7 - 3 n) a(n + 2) + (n + 2) a(n + 1), a(0) = 0, a(1) = 7, a(2) = 26, a(3) = 63\}$$

Sequence: A068601
Score: 5.71944
Type of gen. func.: ogf

$(128 f(x) + 249)$

$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x + 2 x^2 + f(x) - 7 x)$

Sequence: A068605
Score: 11.4615
Type of gen. func.: lgdogf

$$-\frac{3 (2 x^2 - 1) (6 x^2 - 8 x + 3)}{(x - 1) (2 x - 1) (6 x^3 - 6 x^2 + 1)}$$

Sequence: A068605
Score: 3.63821
Type of gen. func.: ogf

$$\{(-2 n^2 - 18 n - 40) a(n + 1) + (3 n^2 + 21 n + 30) a(n + 2)$$
$$+ (-n^2 - 5 n - 6) a(n + 3), a(0) = 2, a(1) = 18, a(2) = 84\}$$

Sequence: A068605
Score: 6.89345
Type of gen. func.: ogf

$$\frac{2 (6 x^3 - 6 x^2 + 1)}{(2 x - 1)^3 (x - 1)^3}$$

Sequence: A068616
Score: 2.41754
Type of gen. func.: ogf

$-(1227267802852402678742702358528 f(x) + 8545894250332717323749834537297)$

$(-3928064 x^4 - 492844 x^3 + 100 f(x) x - 52124 x^2 - f(x) - 124 x + 7)$

Sequence: A068616
Score: 5.25815

Type of gen. func.: ogf

$$\frac{3928064 x^4 + 492844 x^3 + 52124 x^2 + 124 x - 7}{100 x - 1}$$

Sequence: A068617
Score: 3.2211
Type of gen. func.: ogf

$$-(9915595179703056 f(x) - 22393677037247053)$$

$$(-45684 x^3 + 100 f(x) x - 7259 x^2 - f(x) - 719 x + 8)$$

Sequence: A068617
Score: 3.95735
Type of gen. func.: ogf

$$\{a(n + 4) - 100 a(n + 3), a(0) = 8, a(1) = 81, a(2) = 841, a(3) = 38416\}$$

Sequence: A068617
Score: 5.47651
Type of gen. func.: lgdogf

$$\frac{9136800 x^3 + 588848 x^2 - 14518 x + 81}{(100 x - 1) (45684 x^3 + 7259 x^2 + 719 x - 8)}$$

Sequence: A068617
Score: 6.49253
Type of gen. func.: ogf

$$\frac{45684 x^3 + 7259 x^2 + 719 x - 8}{100 x - 1}$$

Sequence: A068620
Score: 4.45009
Type of gen. func.: ogf

$$-\frac{704 x^7 - 704 x^6 + 288 x^5 - 56 x^4 + 32 x^3 - 24 x^2 + 8 x - 1}{(-1 + 4 x) (2 x - 1) (8 x^2 - 4 x + 1) (16 x^4 + 1)}$$

Sequence: A068623
Score: 3.61348
Type of gen. func.: ogf

$$\frac{4 (4062500 x^6 - 4400125 x^5 + 328500 x^4 + 4250 x^3 - 1575 x^2 + 215 x - 2)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A068624
Score: 3.66743
Type of gen. func.: ogf

$$\frac{1786000 x^5 - 1897460 x^4 + 98976 x^3 - 1780 x^2 + 908 x - 9}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A068626
Score: 10.4616
Type of gen. func.: ogf

$$-\frac{x^4 + 2 x^3 + 2 x + 1}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A068626
Score: 12.8382
Type of gen. func.: lgdogf

$$-\frac{3 (x^6 + 3 x^5 + x^4 + 6 x^3 + 5 x^2 + x + 1)}{(x - 1) (x^2 + x + 1) (x^4 + 2 x^3 + 2 x + 1)}$$

Sequence: A068628
Score: 13.6926
Type of gen. func.: ogf

$$-\frac{12\,x\,(3\,x+5)}{(x-1)^3}$$

Sequence: A068628
Score: 7.02491
Type of gen. func.: ogf

$$(976\,f(x) - 35217)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 36\,x^2 - f(x) + 60\,x)$$

Sequence: A068628
Score: 7.08654
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 0,\ a(1) = 60,\ a(2) = 216\}$$

Sequence: A068670
Score: 14.1045
Type of gen. func.: ogf

$$\frac{x^{25} + x^4 + 1}{(x-1)^2}$$

Sequence: A068670
Score: 15.7180
Type of gen. func.: lgdogf

$$\frac{23\,x^{25} - 25\,x^{24} + 2\,x^4 - 4\,x^3 - 2}{(x-1)\,(x^{25} + x^4 + 1)}$$

Sequence: A068711
Score: 5.56383
Type of gen. func.: ogf

$$2\,x^2\,(16\,x^4 - 8\,x^3 - 16\,x^2 + 12\,x - 3)$$

$$\frac{}{(-1 + 4 x) (8 x^{2} - 4 x + 1) (16 x^{4} + 1)}$$

Sequence: A068722
Score: 10.5275
Type of gen. func.: lgdogf

$$- \frac{x^{4} + 64 x^{3} + 336 x^{2} + 284 x + 35}{(x - 1) (x^{4} + 30 x^{3} + 82 x^{2} + 30 x + 1)}$$

Sequence: A068722
Score: 6.90652
Type of gen. func.: ogf

$$- \frac{x^{4} + 30 x^{3} + 82 x^{2} + 30 x + 1}{(x - 1)^{5}}$$

Sequence: A068744
Score: 4.86581
Type of gen. func.: ogf

$$- (x^{8} + 1656 x^{7} + 72876 x^{6} + 522760 x^{5} + 972198 x^{4} + 522760 x^{3} + 72876 x^{2} + 1656 x + 1) / (x - 1)^{9}$$

Sequence: A068764
Score: 14.1184
Type of gen. func.: lgdogf

$$\frac{-1 + 2 x + (8 x^{2} - 8 x + 1)^{1/2}}{2 (x - 1) (8 x^{2} - 8 x + 1)^{1/2} x}$$

Sequence: A068764
Score: 19.1142

Type of gen. func.: ogf

$$x - 1 + f(x) - 2 f(x)^2 x$$

Sequence: A068764
Score: 31.3743
Type of gen. func.: revogf

$$1/2 - \frac{(8 x^2 - 4 x + 1)^{1/2}}{2}$$

Sequence: A068764
Score: 4.03821
Type of gen. func.: ogf

$$\{(16 n^2 + 16 n) a(n) + (-24 n^2 - 72 n - 48) a(n + 1) + (10 n^2 + 52 n + 66) a(n + 2) + (-n^2 - 7 n - 12) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 4\}$$

Sequence: A068765
Score: 12.2492
Type of gen. func.: ogf

$$2 x - 1 + f(x) - 3 f(x)^2 x$$

Sequence: A068765
Score: 19.2583
Type of gen. func.: revogf

$$1/4 - \frac{(24 x^2 - 8 x + 1)^{1/2}}{4}$$

Sequence: A068765
Score: 8.17017
Type of gen. func.: lgdogf

$$\frac{-1 + 4 x + (24 x^2 - 12 x + 1)^{1/2}}{2 (2 x - 1) (24 x^2 - 12 x + 1)^{1/2} x}$$

Sequence: A068766
Score: 13.2478
Type of gen. func.: ogf

$$3 x - 1 + f(x) - 4 f(x)^2 x$$

Sequence: A068766
Score: 20.1437
Type of gen. func.: revogf

$$1/6 - \frac{(48 x^2 - 12 x + 1)^{1/2}}{6}$$

Sequence: A068767
Score: 11.433
Type of gen. func.: ogf

$$4 x - 1 + f(x) - 5 f(x)^2 x$$

Sequence: A068767
Score: 17.3422
Type of gen. func.: revogf

$$1/8 - \frac{(80 x^2 - 16 x + 1)^{1/2}}{8}$$

Sequence: A068767
Score: 7.62007
Type of gen. func.: lgdogf

$$-1 + 8 x + (80 x^2 - 20 x + 1)^{1/2}$$

$$2 (-1 + 4 x) (80 x^2 - 20 x + 1)^{1/2} x$$

Sequence: A068768
Score: 12.0111
Type of gen. func.: ogf

$$5 x - 1 + f(x) - 6 f(x)^2 x$$

Sequence: A068768
Score: 16.5293
Type of gen. func.: revogf

$$1/10 - \frac{(120 x^2 - 20 x + 1)^{1/2}}{10}$$

Sequence: A068768
Score: 7.66576
Type of gen. func.: lgdogf

$$\frac{-1 + 10 x + (120 x^2 - 24 x + 1)^{1/2}}{2 (120 x^2 - 24 x + 1)^{1/2} (5 x - 1) x}$$

Sequence: A068769
Score: 10.8921
Type of gen. func.: ogf

$$6 x - 1 + f(x) - 7 f(x)^2 x$$

Sequence: A068769
Score: 14.9629
Type of gen. func.: revogf

$$1/12 - \frac{(168 x^2 - 24 x + 1)^{1/2}}{12}$$

Sequence: A068769
Score: 7.04136
Type of gen. func.: lgdogf

$$\frac{12 x - 1 + (168 x^2 - 28 x + 1)^{1/2}}{2 x (168 x^2 - 28 x + 1)^{1/2} (6 x - 1)}$$

Sequence: A068770
Score: 11.2699
Type of gen. func.: ogf

$$7 x - 1 + f(x) - 8 f(x)^2 x$$

Sequence: A068770
Score: 15.4941
Type of gen. func.: revogf

$$1/14 - \frac{(224 x^2 - 28 x + 1)^{1/2}}{14}$$

Sequence: A068770
Score: 7.29135
Type of gen. func.: lgdogf

$$\frac{14 x - 1 + (224 x^2 - 32 x + 1)^{1/2}}{2 (224 x^2 - 32 x + 1)^{1/2} x (7 x - 1)}$$

Sequence: A068771
Score: 11.6477
Type of gen. func.: ogf

$$8 x - 1 + f(x) - 9 f(x)^2 x$$

Sequence: A068771
Score: 16.0253
Type of gen. func.: revogf

$$1/16 - \frac{(288 x^2 - 32 x + 1)^{1/2}}{16}$$

Sequence: A068772
Score: 11.7024
Type of gen. func.: ogf

$$9 x - 1 + f(x) - 10 f(x)^2 x$$

Sequence: A068772
Score: 16.4680
Type of gen. func.: revogf

$$1/18 - \frac{(360 x^2 - 36 x + 1)^{1/2}}{18}$$

Sequence: A068772
Score: 7.74966
Type of gen. func.: lgdogf

$$\frac{18 x - 1 + (360 x^2 - 40 x + 1)^{1/2}}{2 (9 x - 1) (360 x^2 - 40 x + 1)^{1/2} x}$$

Sequence: A068774
Score: 4.93178
Type of gen. func.: ogf

$$\frac{8 x^3 (40 x^4 - 40 x^3 + 20 x^2 - 5 x + 1)}{(-1 + 4 x) (2 x - 1) (8 x^2 - 4 x + 1) (16 x^4 + 1)}$$

Sequence: A068777

Score: 5.38190
Type of gen. func.: ogf

$$\frac{2 x (16 x^5 - 8 x^4 + 16 x^3 - 12 x^2 + 5 x - 1)}{(-1 + 4 x) (8 x^2 - 4 x + 1) (16 x^4 + 1)}$$

Sequence: A068778
Score: 5.92867
Type of gen. func.: ogf

$$- \frac{16 x^3 (2 x^3 + 4 x^2 - 3 x + 1)}{(-1 + 4 x) (8 x^2 - 4 x + 1) (16 x^4 + 1)}$$

Sequence: A068784
Score: 5.97354
Type of gen. func.: ogf

$$\frac{32831 x^7 - 19710 x^6 - 12417 x^5 - 704 x^4 + 16768 x^2 + 13121 x + 16767}{(x + 1) (x - 1)^2}$$

Sequence: A068786
Score: 5.28851
Type of gen. func.: ogf

$$- \frac{32 x^6 - 32 x^5 + 8 x^4 - 16 x^3 + 14 x^2 - 6 x + 1}{(-1 + 4 x) (8 x^2 - 4 x + 1) (16 x^4 + 1)}$$

Sequence: A068787
Score: 5.42206
Type of gen. func.: ogf

$$- \frac{2 x (16 x^5 - 16 x^4 + 4 x^3 + 8 x^2 - 5 x + 1)}{(-1 + 4 x) (8 x^2 - 4 x + 1) (16 x^4 + 1)}$$

Sequence: A068788
Score: 5.58889
Type of gen. func.: ogf

$$-\frac{4x^2(8x^4-16x^3+12x^2-4x+1)}{(-1+4x)(8x^2-4x+1)(16x^4+1)}$$

Sequence: A068789
Score: 4.52514
Type of gen. func.: ogf

$$-\frac{192x^7-64x^6-32x^5+24x^4+24x^3-24x^2+8x-1}{(-1+4x)(2x-1)(8x^2-4x+1)(16x^4+1)}$$

Sequence: A068790
Score: 5.19407
Type of gen. func.: ogf

$$-\frac{8x^4(24x^3-40x^2+20x-5)}{(-1+4x)(2x-1)(8x^2-4x+1)(16x^4+1)}$$

Sequence: A068824
Score: 6.77562
Type of gen. func.: lgdogf

$$\frac{2(3240x^{11}-10440x^{10}+11250x^9-4050x^8+11x-8)}{(x-1)(810x^{11}-1710x^{10}+900x^9-11x+9)}$$

Sequence: A068824
Score: 7.41134
Type of gen. func.: ogf

$$-\frac{810x^{11}-1710x^{10}+900x^9-11x+9}{}$$

$$(x - 1)^3$$

Sequence: A068836
Score: 3.58793
Type of gen. func.: ogf

$$- (8999991900 x^9 + 1011120102 x^8 + 111111030 x^7 + 110004 x^6 + 1012110 x^5 + 110400 x^4 + 1020 x^3 + 912 x^2 + 200 x + 11)/(x - 1)$$

Sequence: A068860
Score: 5.70286
Type of gen. func.: ogf

$$- \frac{8 x^{10} + 8 x^9 - 2 x^8 - 2 x^7 - 2 x^6 - 2 x^5 - 2 x^4 - 2 x^3 - 2 x^2 - 2 x - 1}{(x - 1) (x + 1) (10 x^9 - 1)}$$

Sequence: A068875
Score: 10.2914
Type of gen. func.: ogf

$$-f(x)^2 x - 2 f(x) x + 2 f(x) - x - 2$$

Sequence: A068875
Score: 35.2961
Type of gen. func.: revogf

$$-1 - x + (1 + 4 x)^{1/2}$$

Sequence: A068875
Score: 4.26554
Type of gen. func.: ogf

$$\{(8 n^2 + 4 n) a(n) + (2 n^2 + 10 n + 12) a(n + 1) + (-n^2 - 5 n - 6) a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A068911
Score: 10.6402
Type of gen. func.: ogf

$$(7 f(x) - 4) (3 f(x) x^2 + x^2 - f(x) + 2 x + 1)$$

Sequence: A068911
Score: 14.5842
Type of gen. func.: ogf

$$- \frac{(x + 1)^2}{3 x^2 - 1}$$

Sequence: A068911
Score: 26.9386
Type of gen. func.: lgdogf

$$- \frac{2 (1 + 3 x)}{(x + 1) (3 x^2 - 1)}$$

Sequence: A068911
Score: 8.50744
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A068912
Score: 10.6575
Type of gen. func.: ogf

$$f(x) (2 f(x) x^4 - 4 f(x) x^2 + f(x) - 2 x - 1)$$

Sequence: A068912
Score: 15.2131
Type of gen. func.: lgdogf

$$-\frac{2 (6 x^4 + 4 x^3 - 4 x^2 - 4 x - 1)}{(2 x + 1) (2 x^4 - 4 x^2 + 1)}$$

Sequence: A068912
Score: 16.7475
Type of gen. func.: ogf

$$\frac{2 x + 1}{2 x^4 - 4 x^2 + 1}$$

Sequence: A068912
Score: 7.74175
Type of gen. func.: ogf

{-a(n + 4) + 4 a(n + 2) - 2 a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8}

Sequence: A068921
Score: 15.7898
Type of gen. func.: ogf

$$-\frac{x^2 + 1}{x^3 + x - 1}$$

Sequence: A068921
Score: 17.2443
Type of gen. func.: lgdogf

$$-\frac{x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{(x^2 + x + 1) (x^3 + x - 1)}$$

Sequence: A068921
Score: 8.23083
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A068921
Score: 8.31933
Type of gen. func.: ogf

$$-(3 f(x) - 2) (f(x) x^3 + f(x) x + x^2 - f(x) + 1)$$

Sequence: A068922
Score: 15.2367
Type of gen. func.: ogf

$$\frac{x^2 - x - 3}{x^2 + x - 1}$$

Sequence: A068922
Score: 21.6097
Type of gen. func.: lgdogf

$$\frac{2 (x^2 + 2 x + 2)}{(x^2 - x - 3) (x^2 + x - 1)}$$

Sequence: A068922
Score: 7.91711
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1), a(0) = 3, a(1) = 4, a(2) = 6\}$$

Sequence: A068922
Score: 8.24025
Type of gen. func.: ogf

$$-(-7 + 13 f(x)) (f(x) x^2 + f(x) x - x^2 - f(x) + x + 3)$$

Sequence: A068923
Score: 7.46319
Type of gen. func.: lgdogf

$$(4 x^{11} + 3 x^{10} + 8 x^9 + 8 x^8 + 6 x^7 - x^6 - 2 x^5 - x^4 + 4 x^3 + 6 x^2 + 8 x + 4) / ((x + 1) (2 x^6 + x^5 + x^4 - x^2 - 3 x - 1) (x^5 + x^3 - 1))$$

Sequence: A068923
Score: 8.55172
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x^6 + x^5 + x^4 - x^2 - 3 x - 1)}{x^5 + x^3 - 1}$$

Sequence: A068924
Score: 10.5419
Type of gen. func.: ogf

$$\frac{x^4 + 7 x^3 + 4 x^2 - 3 x - 6}{x^3 + x^2 - 1}$$

Sequence: A068924
Score: 11.6037
Type of gen. func.: lgdogf

$$\frac{x^6 + 2 x^5 + 3 x^4 + 2 x^3 + 4 x + 3}{(x^3 + x^2 - 1) (x^4 + 7 x^3 + 4 x^2 - 3 x - 6)}$$

Sequence: A068924
Score: 6.10760
Type of gen. func.: ogf

{a(n + 5) - a(n + 3) - a(n + 2), a(0) = 6, a(1) = 3, a(2) = 2, a(3) = 2,

a(4) = 4}

Sequence: A068924
Score: 8.84548
Type of gen. func.: ogf

$$-f(x)\,x^{3} + x^{4} - f(x)\,x^{2} + 7\,x^{3} + 4\,x^{2} + f(x) - 3\,x - 6$$

Sequence: A068925
Score: 7.05088
Type of gen. func.: ogf

$$\frac{2\,x^{10} + 6\,x^{9} + 11\,x^{8} + 6\,x^{7} + 7\,x^{6} - x^{5} - 2\,x^{4} - 3\,x^{3} - 6\,x^{2} - 9\,x - 1}{(x^{2} - x + 1)\,(x^{5} + x^{4} + x^{3} - x - 1)}$$

Sequence: A068927
Score: 7.15799
Type of gen. func.: ogf

$$-\frac{x^{10} + 2\,x^{8} + 2\,x^{6} + x^{4} - 1}{(x^{3} + x - 1)\,(x^{6} + x^{2} - 1)}$$

Sequence: A068928
Score: 7.42675
Type of gen. func.: lgdogf

$$\frac{x^{10} + 2\,x^{9} + 4\,x^{8} + 8\,x^{7} + 6\,x^{6} - 2\,x^{5} - 3\,x^{4} - 4\,x^{3} - 2\,x^{2} + 2}{(x^{2} + x - 1)\,(x^{4} + x^{2} - 1)\,(x^{6} - x^{4} - 4\,x^{2} + 2)}$$

Sequence: A068928
Score: 8.17436
Type of gen. func.: ogf

$$\frac{x^{6} - x^{4} - 4\,x^{2} + 2}{(x^{2} + x - 1)\,(x^{4} + x^{2} - 1)}$$

Sequence: A068930
Score: 5.20756
Type of gen. func.: ogf

$$\frac{x^{10}+5x^{9}+4x^{8}+3x^{7}-x^{6}-2x^{5}-6x^{4}-5x^{3}-3x^{2}+2x+4}{(x^{3}+x^{2}-1)(x^{6}+x^{4}-1)}$$

Sequence: A068962
Score: 7.83371
Type of gen. func.: ogf

$$(x^{2}+1)(x^{12}-x^{10}+2x^{8}+x^{7}-3x^{6}+x^{5}+2x^{4}-x^{2}+1) \Big/ \left((x^{2}+x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{8}-x^{7}+x^{5}-x^{4}+x^{3}-x+1)(x-1)^{2}\right)$$

Sequence: A069005
Score: 4.42485
Type of gen. func.: ogf

$$(55+274f(x))(f(x)x^{4}+f(x)x^{3}+x^{4}-3f(x)x^{2}+2x^{3}-2f(x)x-2x^{2}+f(x)-5x-1)$$

Sequence: A069005
Score: 7.70445
Type of gen. func.: ogf

$$-\frac{x^{4}+2x^{3}-2x^{2}-5x-1}{(x+1)(x^{3}-3x+1)}$$

Sequence: A069005
Score: 8.02307
Type of gen. func.: lgdogf

6   5   4   3   2

```
                   x  + 2 x  - 5 x  - 10 x  + 2 x  + 10 x + 7
             - ----------------------------------------------------
                         3              4      3      2
               (x + 1) (x  - 3 x + 1) (x  + 2 x  - 2 x  - 5 x - 1)
```

Sequence: A069006
Score: 9.32528
Type of gen. func.: lgdogf

```
                         5      4      3       2
                      4 x  - 8 x  - 4 x  + 15 x  - 6 x - 2
                  - ------------------------------------------
                              5    4      3      2
                    (x - 1) (x  - x  - 4 x  + 3 x  + 3 x - 1)
```

Sequence: A069006
Score: 9.37674
Type of gen. func.: ogf

```
                                     x - 1
                        -------------------------------
                         5    4      3      2
                        x  - x  - 4 x  + 3 x  + 3 x - 1
```

Sequence: A069007
Score: 6.02014
Type of gen. func.: lgdogf

```
                 8      7       6       5       4       3
              3 x  + 6 x  - 12 x  - 24 x  + 15 x  + 30 x  - 10 x - 5
         - ------------------------------------------------------------
             3    2              6    5      4      3      2
           (x  + x  - 2 x - 1) (x  + x  - 5 x  - 4 x  + 6 x  + 3 x - 1)
```

Sequence: A069007
Score: 6.60813
Type of gen. func.: ogf

```
                                3    2
                               x  + x  - 2 x - 1
                     --------------------------------------
                      6    5      4      3      2
                     x  + x  - 5 x  - 4 x  + 6 x  + 3 x - 1
```

Sequence: A069008
Score: 8.71453
Type of gen. func.: lgdogf

$$-\frac{5x^6+10x^5-10x^4-28x^3-6x^2+12x+4}{(x+1)(x^6+x^5-5x^4-4x^3+6x^2+3x-1)}$$

Sequence: A069008
Score: 9.44762
Type of gen. func.: ogf

$$-\frac{x+1}{x^6+x^5-5x^4-4x^3+6x^2+3x-1}$$

Sequence: A069009
Score: 8.58852
Type of gen. func.: lgdogf

$$-\frac{6x^5+5x^4-20x^3-12x^2+12x+3}{x^6+x^5-5x^4-4x^3+6x^2+3x-1}$$

Sequence: A069009
Score: 9.31000
Type of gen. func.: ogf

$$-\frac{1}{x^6+x^5-5x^4-4x^3+6x^2+3x-1}$$

Sequence: A069013
Score: 5.15531
Type of gen. func.: ogf

$$-\frac{(x+1)(x^2-x+1)(x^4-x^3+x^2-x+1)(x^{12}-x^8+x^4-x-1)}{(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A069015

Score: 3.88111
Type of gen. func.: ogf

$$\{(-3 n^2 - 18 n - 27) a(n + 1) + (4 n + 15) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 7, a(2) = 65\}$$

Sequence: A069017
Score: 7.38147
Type of gen. func.: ogf

$$-\frac{x^4 + 2 x^3 - 16 x^2 + 2 x + 1}{(x - 1) (x^2 + 6 x + 1) (x^2 - 6 x + 1)}$$

Sequence: A069034
Score: 3.39571
Type of gen. func.: ogf

$$-(81 f(x) x - f(x) - 72 x + 1)^2$$

Sequence: A069038
Score: 32.2944
Type of gen. func.: ogf_with_Euler_transform]

$$[10 - 4 x]$$

Sequence: A069038
Score: 35.3148
Type of gen. func.: lgdogf

$$-\frac{2 (x + 5)}{(x - 1) (x + 1)}$$

Sequence: A069038
Score: 5.30952
Type of gen. func.: ogf

$$\{(n + 2) a(n + 3) - 10 a(n + 2) + (-2 - n) a(n + 1), a(0) = 0, a(1) = 1,$$

a(2) = 10}

Sequence: A069038
Score: 6.63690
Type of gen. func.: ogf

$$\frac{x (x + 1)^{4}}{(x - 1)^{6}}$$

Sequence: A069039
Score: 32.0022
Type of gen. func.: ogf_with_Euler_transform]

[12 - 5 x]

Sequence: A069039
Score: 35.0267
Type of gen. func.: lgdogf

$$- \frac{2 (x + 6)}{(x - 1) (x + 1)}$$

Sequence: A069039
Score: 5.26545
Type of gen. func.: ogf

{(n + 2) a(n + 3) - 12 a(n + 2) + (-2 - n) a(n + 1), a(0) = 0, a(1) = 1,

a(2) = 12}

Sequence: A069039
Score: 5.59713
Type of gen. func.: ogf

$$- \frac{x (x + 1)^{5}}{(x - 1)^{7}}$$

Sequence: A069040
Score: 8.10918
Type of gen. func.: lgdogf

$$\frac{34 x^{21} + 30 x^{20} - 102 x^{19} - 34 x^{18} + 72 x^{17} + x^{3} + 9 x^{2} + 9 x + 5}{(x - 1) (x + 1) (2 x^{20} + 2 x^{19} - 4 x^{18} - x^{2} - 4 x - 1)}$$

Sequence: A069040
Score: 9.67753
Type of gen. func.: ogf

$$- \frac{2 x^{20} + 2 x^{19} - 4 x^{18} - x^{2} - 4 x - 1}{(x + 1) (x - 1)^{2}}$$

Sequence: A069071
Score: 5.60820
Type of gen. func.: ogf

$$\frac{5 (x + 1) (x^{4} + 44 x^{3} + 294 x^{2} + 44 x + 1)}{(x - 1)^{6}}$$

Sequence: A069071
Score: 8.38961
Type of gen. func.: lgdogf

$$- \frac{x^{5} + 95 x^{4} + 1194 x^{3} + 2366 x^{2} + 901 x + 51}{(x - 1) (x + 1) (x^{4} + 44 x^{3} + 294 x^{2} + 44 x + 1)}$$

Sequence: A069072
Score: 10.5137
Type of gen. func.: ogf

$$\frac{6 (x^{2} + 6 x + 1)}{{}^{4}}$$

$$(x - 1)$$

Sequence: A069072
Score: 21.8708
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + 10 x + 5)}{(x - 1) (x^2 + 6 x + 1)}$$

Sequence: A069072
Score: 3.64335
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (5 + 5 n) a(n + 3) + (-30 - 5 n) a(n + 2)$$

$$+ (-n - 3) a(n + 1), a(0) = 6, a(1) = 60, a(2) = 210, a(3) = 504\}$$

Sequence: A069072
Score: 5.41145
Type of gen. func.: ogf

$$(868 f(x) + 22683)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 6 x^2 + f(x) - 36 x - 6)$$

Sequence: A069073
Score: 5.93251
Type of gen. func.: ogf

$$\frac{3 x (3 x^4 + 132 x^3 + 370 x^2 + 132 x + 3)}{(x - 1)^6}$$

Sequence: A069073
Score: 9.21029
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^4 + 204 x^3 + 938 x^2 + 700 x + 75)}{}$$

$$(x - 1) (3 x^4 + 132 x^3 + 370 x^2 + 132 x + 3)$$

Sequence: A069074
Score: 11.9076
Type of gen. func.: ogf

$$\frac{24 (x + 1)}{(x - 1)^4}$$

Sequence: A069074
Score: 35.4315
Type of gen. func.: ogf_with_Euler_transform]

[5 - x]

Sequence: A069074
Score: 36.7979
Type of gen. func.: lgdogf

$$- \frac{3 x + 5}{(x - 1) (x + 1)}$$

Sequence: A069074
Score: 5.39697
Type of gen. func.: ogf

{(-n - 3) a(n + 3) + 5 a(n + 2) + (n + 4) a(n + 1), a(0) = 24, a(1) = 120,

a(2) = 336}

Sequence: A069074
Score: 5.81534
Type of gen. func.: ogf

(656 f(x) + 22269)

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + f(x) - 24 x - 24)$$

Sequence: A069075
Score: 7.07724
Type of gen. func.: ogf

$$-\frac{9 x^4 + 180 x^3 + 190 x^2 + 4 x + 1}{(x - 1)^5}$$

Sequence: A069075
Score: 9.81489
Type of gen. func.: lgdogf

$$-\frac{3 (3 x^4 + 132 x^3 + 370 x^2 + 132 x + 3)}{(x - 1) (9 x^4 + 180 x^3 + 190 x^2 + 4 x + 1)}$$

Sequence: A069076
Score: 4.28482
Type of gen. func.: ogf

$$\frac{x^6 - 34 x^5 - 3165 x^4 - 19852 x^3 - 19817 x^2 - 3186 x - 27}{(x - 1)^7}$$

Sequence: A069078
Score: 10.0991
Type of gen. func.: lgdogf

$$-\frac{2 (x^4 + 32 x^3 + 138 x^2 + 104 x + 13)}{(x - 1) (x^4 + 20 x^3 + 54 x^2 + 20 x + 1)}$$

Sequence: A069078
Score: 5.84596
Type of gen. func.: ogf

$$\frac{5 x (x^4 + 20 x^3 + 54 x^2 + 20 x + 1)}{(x - 1)^6}$$

Sequence: A069079
Score: 17.5272
Type of gen. func.: lgdogf

$$-\frac{3\,(5\,x^{2}+54\,x+21)}{(x-1)\,(5\,x^{2}+38\,x+5)}$$

Sequence: A069079
Score: 8.39796
Type of gen. func.: ogf

$$-\frac{8\,(5\,x^{2}+38\,x+5)}{(x-1)^{5}}$$

Sequence: A069080
Score: 13.0245
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^{3}-18\,x^{2}+59\,x+36)}{(x-1)\,(3\,x^{3}-15\,x^{2}+37\,x+7)}$$

Sequence: A069080
Score: 3.85899
Type of gen. func.: ogf

$$\{(-314\,n^{2}-2707\,n-5295)\,a(n+1)+(468\,n^{2}+2844\,n+3888)\,a(n+2)$$
$$+(-154\,n^{2}-777\,n-945)\,a(n+3),\ a(0)=84,\ a(1)=864,\ a(2)=3300\}$$

Sequence: A069080
Score: 8.38189
Type of gen. func.: ogf

3   2

$$-\frac{12 (3 x - 15 x + 37 x + 7)}{(x - 1)^{5}}$$

Sequence: A069099
Score: 13.1178
Type of gen. func.: ogf

$$-\frac{x^{2} + 5 x + 1}{(x - 1)^{3}}$$

Sequence: A069099
Score: 25.3184
Type of gen. func.: lgdogf

$$-\frac{x^{2} + 12 x + 8}{(x - 1) (x^{2} + 5 x + 1)}$$

Sequence: A069099
Score: 7.08129
Type of gen. func.: ogf

$$(17 f(x) - 57) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + x^{2} - f(x) + 5 x + 1)$$

Sequence: A069099
Score: 7.08129
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 8, a(2) = 22\}$$

Sequence: A069121
Score: 9.56943
Type of gen. func.: lgdogf

$$-\frac{12 (4 x^{3} + 62 x^{2} + 47 x + 4)}{{}^{3} \qquad {}^{2}}$$

$$(-1 + 4 x) (8 x + 72 x + 30 x + 1)$$

Sequence: A069125
Score: 13.2297
Type of gen. func.: ogf

$$-\frac{x^2 + 9 x + 1}{(x - 1)^3}$$

Sequence: A069125
Score: 23.9935
Type of gen. func.: lgdogf

$$-\frac{x^2 + 20 x + 12}{(x - 1) (x^2 + 9 x + 1)}$$

Sequence: A069125
Score: 7.07905
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 12, a(2) = 34\}$$

Sequence: A069125
Score: 7.07906
Type of gen. func.: ogf

$$(27 f(x) - 155) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 9 x + 1)$$

Sequence: A069126
Score: 11.9967
Type of gen. func.: ogf

$$-\frac{x^2 + 11 x + 1}{(x - 1)^3}$$

Sequence: A069126
Score: 22.0862
Type of gen. func.: lgdogf

$$-\frac{x^2 + 24 x + 14}{(x - 1) (x^2 + 11 x + 1)}$$

Sequence: A069126
Score: 6.46779
Type of gen. func.: ogf

$$(16 f(x) - 111) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 11 x + 1)$$

Sequence: A069126
Score: 6.52453
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 14, a(2) = 40\}$$

Sequence: A069127
Score: 12.9395
Type of gen. func.: ogf

$$-\frac{x^2 + 12 x + 1}{(x - 1)^3}$$

Sequence: A069127
Score: 23.8519
Type of gen. func.: lgdogf

$$-\frac{x^2 + 26 x + 15}{(x - 1) (x^2 + 12 x + 1)}$$

Sequence: A069127
Score: 6.97607
Type of gen. func.: ogf

$$(69 f(x) - 520) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 12 x + 1)$$

Sequence: A069127
Score: 7.03726
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 15, a(2) = 43\}$$

Sequence: A069128
Score: 13.8943
Type of gen. func.: ogf

$$- \frac{x^2 + 13 x + 1}{(x - 1)^3}$$

Sequence: A069128
Score: 23.9665
Type of gen. func.: lgdogf

$$- \frac{x^2 + 28 x + 16}{(x - 1) (x^2 + 13 x + 1)}$$

Sequence: A069128
Score: 7.49082
Type of gen. func.: ogf

$$(37 f(x) - 301) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 13 x + 1)$$

Sequence: A069128
Score: 7.55653
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 16, a(2) = 46\}$$

Sequence: A069129
Score: 12.7395
Type of gen. func.: ogf

$$-\frac{x^2 + 14 x + 1}{(x - 1)^3}$$

Sequence: A069129
Score: 23.4790
Type of gen. func.: lgdogf

$$-\frac{x^2 + 30 x + 17}{(x - 1) (x^2 + 14 x + 1)}$$

Sequence: A069129
Score: 6.86828
Type of gen. func.: ogf

$$(79 f(x) - 690) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 14 x + 1)$$

Sequence: A069129
Score: 6.92853
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 17, a(2) = 49\}$$

Sequence: A069130
Score: 12.8609
Type of gen. func.: ogf

$$-\frac{x^2 + 15 x + 1}{(x - 1)^3}$$

Sequence: A069130
Score: 23.7070
Type of gen. func.: lgdogf

$$-\frac{x^2 + 32 x + 18}{(x - 1) (x^2 + 15 x + 1)}$$

Sequence: A069130
Score: 6.99451
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 18, a(2) = 52}

Sequence: A069130
Score: 7.05641
Type of gen. func.: ogf

$$(3 f(x) - 28) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 15 x + 1)$$

Sequence: A069131
Score: 12.9215
Type of gen. func.: ogf

$$-\frac{x^2 + 16 x + 1}{(x - 1)^3}$$

Sequence: A069131
Score: 23.8209
Type of gen. func.: lgdogf

$$-\frac{x^2 + 34 x + 19}{(x - 1) (x^2 + 16 x + 1)}$$

Sequence: A069131

Score: 6.9664
Type of gen. func.: ogf

$$(89 f(x) - 884) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 16 x + 1)$$

Sequence: A069131
Score: 7.02751
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 19, a(2) = 55\}$$

Sequence: A069132
Score: 13.0429
Type of gen. func.: ogf

$$-\frac{x^2 + 17 x + 1}{(x - 1)^3}$$

Sequence: A069132
Score: 24.0489
Type of gen. func.: lgdogf

$$-\frac{x^2 + 36 x + 20}{(x - 1) (x^2 + 17 x + 1)}$$

Sequence: A069132
Score: 7.03181
Type of gen. func.: ogf

$$(47 f(x) - 495) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 17 x + 1)$$

Sequence: A069132
Score: 7.09349
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 20, a(2) = 58\}$$

Sequence: A069133
Score: 13.0429
Type of gen. func.: ogf

$$-\frac{x^2 + 18 x + 1}{(x - 1)^3}$$

Sequence: A069133
Score: 24.0489
Type of gen. func.: lgdogf

$$-\frac{x^2 + 38 x + 21}{(x - 1) (x^2 + 18 x + 1)}$$

Sequence: A069133
Score: 6.97119
Type of gen. func.: ogf

$$(99 f(x) - 1102) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 18 x + 1)$$

Sequence: A069133
Score: 7.09349
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 21, a(2) = 61\}$$

Sequence: A069134
Score: 3.24704
Type of gen. func.: ogf

$$\{(-n^3 - 6 n^2 - 12 n - 8) a(n + 1) + (-n^3 - 10 n^2 - 33 n - 40) a(n + 2)$$
$$+ (n + 2) a(n + 3), a(0) = 0, a(1) = 9, a(2) = 144\}$$

Sequence: A069135
Score: 4.24310
Type of gen. func.: egf]

$$\{(-n^3 - 8 n^2 - 21 n - 18) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A069140
Score: 19.2021
Type of gen. func.: lgdogf

$$- \frac{2 (x + 7) (5 x + 3)}{(x - 1) (5 x^2 + 22 x + 5)}$$

Sequence: A069140
Score: 3.49939
Type of gen. func.: ogf

$$\{(15 + 5 n) a(n + 4) + (-8 + 17 n) a(n + 3) + (-93 - 17 n) a(n + 2)$$

$$+ (-10 - 5 n) a(n + 1), a(0) = 0, a(1) = 60, a(2) = 504, a(3) = 1716\}$$

Sequence: A069140
Score: 4.97154
Type of gen. func.: ogf

$$(4720 f(x) + 509997)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 60 x^3 - 4 f(x) x - 264 x^2 + f(x) - 60 x)$$

Sequence: A069140
Score: 9.36200
Type of gen. func.: ogf

$$\frac{12 x (5 x^2 + 22 x + 5)}{(x - 1)^4}$$

Sequence: A069173
Score: 13.5048
Type of gen. func.: lgdogf

$$-\frac{x^2 + 42 x + 23}{(x - 1) (x^2 + 20 x + 1)}$$

Sequence: A069173
Score: 4.04074
Type of gen. func.: ogf

$$(109 f(x) - 1344) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 20 x + 1)$$

Sequence: A069173
Score: 4.14708
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 23, a(2) = 67\}$$

Sequence: A069173
Score: 7.62527
Type of gen. func.: ogf

$$-\frac{x^2 + 20 x + 1}{(x - 1)^3}$$

Sequence: A069174
Score: 13.7048
Type of gen. func.: lgdogf

$$-\frac{x^2 + 44 x + 24}{(x - 1) (x^2 + 21 x + 1)}$$

Sequence: A069174
Score: 4.17016
Type of gen. func.: ogf

3 2 2

$$(57 f(x) - 737) (f(x) x - 3 f(x) x + 3 f(x) x + x - f(x) + 21 x + 1)$$

Sequence: A069174
Score: 4.20675
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 24, a(2) = 70\}$$

Sequence: A069174
Score: 7.73498
Type of gen. func.: ogf

$$- \frac{x^2 + 21 x + 1}{(x - 1)^3}$$

Sequence: A069178
Score: 13.1035
Type of gen. func.: ogf

$$- \frac{x^2 + 19 x + 1}{(x - 1)^3}$$

Sequence: A069178
Score: 23.4522
Type of gen. func.: lgdogf

$$- \frac{x^2 + 40 x + 22}{(x - 1) (x^2 + 19 x + 1)}$$

Sequence: A069178
Score: 7.06451
Type of gen. func.: ogf

$$(26 f(x) - 305) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 19 x + 1)$$

Sequence: A069178
Score: 7.12648
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 22, a(2) = 64\}$$

Sequence: A069181
Score: 12.2330
Type of gen. func.: lgdogf

$$\frac{30 x^5 + 10 x^4 + 24 x^3 + 15 x^2 + 12 x + 7}{5 x^6 + 2 x^5 + 6 x^4 + 5 x^3 + 6 x^2 + 7 x + 9}$$

Sequence: A069183
Score: 12.7316
Type of gen. func.: lgdogf

$$- \frac{14 x^5 + x^4 + 5 x^3 + 4 x^2 + 5 x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A069183
Score: 24.6576
Type of gen. func.: ogf_with_Euler_transform]

$$x^5 + x^2 + 2 x + 1$$

Sequence: A069183
Score: 6.49064
Type of gen. func.: ogf

$$- \frac{1}{(x^2 - x + 1) (x^2 + x + 1)^2 (x + 1)^3 (x - 1)^5}$$

Sequence: A069190

Score: 13.2855
Type of gen. func.: ogf

$$-\frac{x^2 + 22 x + 1}{(x - 1)^3}$$

Sequence: A069190
Score: 23.7841
Type of gen. func.: lgdogf

$$-\frac{x^2 + 46 x + 25}{(x - 1) (x^2 + 22 x + 1)}$$

Sequence: A069190
Score: 7.16263
Type of gen. func.: ogf

$$(17 f(x) - 230) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 22 x + 1)$$

Sequence: A069190
Score: 7.22546
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 25, a(2) = 73\}$$

Sequence: A069195
Score: 12.3757
Type of gen. func.: ogf

$$-\frac{19 x^6 + 19 x^5 + 6 x^4 + 20 x^3 + 23 x^2 + 20 x + 13}{(x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A069214
Score: 4.72306
Type of gen. func.: ogf

$$(7 x^{60} - 14 x^{59} - 5 x^{58} + 90 x^{8} - 60 x^{7} - 105 x^{6} + 90 x^{5} + 90 x^{4} + 50 x^{3} + 50 x^{2} + 20 x + 25) \bigg/ (4 x^{60} - 2 x^{59} - x^{58} + 30 x^{8} - 45 x^{6} + 5 x^{4} + 5 x^{2} + 5)$$

Sequence: A069214
Score: 7.85784
Type of gen. func.: ogf

$$-(f(x) - 6) (f(x) x^{4} - 3 x^{4} - 2 f(x) x^{2} + 2 x^{3} + 5 x^{2} + f(x) - 4 x - 5)$$

Sequence: A069229
Score: 12.1597
Type of gen. func.: lgdogf

$$- \frac{2 (12 x^{3} - 24 x^{2} + 18 x - 5)}{(x - 1) (2 x - 1) (6 x^{2} - 8 x + 3)}$$

Sequence: A069229
Score: 3.76681
Type of gen. func.: ogf

$$\{(2 n^{2} + 10 n + 12) a(n + 1) + (-3 n^{2} - 12 n - 9) a(n + 2) + (n^{2} + 3 n + 2) a(n + 3), a(0) = 0, a(1) = 3, a(2) = 10\}$$

Sequence: A069229
Score: 4.83134
Type of gen. func.: ogf

$$(38 f(x) + 107) (4 f(x) x^{4} - 12 f(x) x^{3} + 13 f(x) x^{2} - 6 x^{3} - 6 f(x) x + 8 x^{2} + f(x) - 3 x)$$

Sequence: A069229
Score: 8.88967
Type of gen. func.: ogf

$$\frac{x (6 x^{2} - 8 x + 3)}{(2 x - 1)^{2} (x - 1)^{2}}$$

Sequence: A069241
Score: 10.5597
Type of gen. func.: lgdogf

$$- \frac{(2 x^{4} + 5 x^{3} - 6 x^{2} + 2 x - 1) (x^{2} - x + 1)}{(x - 1) (x^{3} + x^{2} - 2 x + 1) (x^{3} + x - 1)}$$

Sequence: A069241
Score: 9.48053
Type of gen. func.: ogf

$$- \frac{x^{3} + x^{2} - 2 x + 1}{(x^{3} + x - 1) (x - 1)^{2}}$$

Sequence: A069271
Score: 22.5520
Type of gen. func.: revogf

$$\frac{(1 - 2 x + (1 - 4 x)^{1/2}) x}{2}$$

Sequence: A069271
Score: 4.03300
Type of gen. func.: ogf

$$\{(256 n^{3} + 1408 n^{2} + 2544 n + 1512) a(n + 1)$$

$$+ (-27 n^{3} - 189 n^{2} - 438 n - 336) a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A069294
Score: 3.6455
Type of gen. func.: ogf

$$-(19375031149 f(x) - 9214962840) (16 f(x) x^4 + 14 f(x) x^3 - 34 f(x) x^2 + 16 x^3 + 12 f(x) x + 14 x^2 - f(x) - 34 x + 12)$$

Sequence: A069294
Score: 6.00666
Type of gen. func.: lgdogf

$$-\frac{128 x^6 + 224 x^5 - 446 x^4 - 284 x^3 + 770 x^2 - 394 x + 55}{(8 x - 1) (2 x^3 + 2 x^2 - 4 x + 1) (8 x^3 + 7 x^2 - 17 x + 6)}$$

Sequence: A069294
Score: 7.20522
Type of gen. func.: ogf

$$-\frac{2 (8 x^3 + 7 x^2 - 17 x + 6)}{(8 x - 1) (2 x^3 + 2 x^2 - 4 x + 1)}$$

Sequence: A069306
Score: 10.0164
Type of gen. func.: ogf

$$-(17 f(x) - 13) (f(x) x^2 + 2 f(x) x - f(x) + 2 x + 5)$$

Sequence: A069306
Score: 10.9818
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + a(n), a(0) = 5, a(1) = 12\}$$

Sequence: A069306
Score: 20.2553
Type of gen. func.: ogf

$$-\frac{2x+5}{x^2+2x-1}$$

Sequence: A069306
Score: 7.80277
Type of gen. func.: revogf

$$\frac{-5-2x+(8x^2+28x+25)^{1/2}}{2(2+x)}$$

Sequence: A069306
Score: 9.17972
Type of gen. func.: lgdogf

$$-\frac{2(3+x)(2+x)}{(2x+5)(x^2+2x-1)}$$

Sequence: A069307
Score: 6.02272
Type of gen. func.: ogf

$$-\frac{8x^4-14x^3+37x-21}{2x^5-4x^4+x^3+9x^2-7x+1}$$

Sequence: A069325
Score: 5.58152
Type of gen. func.: ogf

$$-\frac{x^3-x+1}{(2x^2+2x-1)(2x^5-4x^4+x^3+9x^2-7x+1)}$$

Sequence: A069361
Score: 13.1567
Type of gen. func.: ogf

$$-\frac{2 x + 1}{(8 x - 1) (2 x^2 - 7 x + 1)}$$

Sequence: A069361
Score: 13.1745
Type of gen. func.: lgdogf

$$-\frac{64 x^3 - 68 x^2 - 116 x + 17}{(2 x + 1) (8 x - 1) (2 x^2 - 7 x + 1)}$$

Sequence: A069361
Score: 6.24385
Type of gen. func.: ogf

$\{a(n + 3) - 15 a(n + 2) + 58 a(n + 1) - 16 a(n), a(0) = 1, a(1) = 17,$

$a(2) = 197\}$

Sequence: A069361
Score: 6.29722
Type of gen. func.: ogf

$$(9910085 f(x) - 270128) (16 f(x) x^3 - 58 f(x) x^2 + 15 f(x) x - f(x) + 2 x + 1)$$

Sequence: A069362
Score: 6.88325
Type of gen. func.: ogf

$$-\frac{8 x^3 + 16 x^2 - 6 x - 1}{(16 x - 1) (8 x^4 + 80 x^3 - 74 x^2 + 19 x - 1)}$$

Sequence: A069378

Score: 5.35637
Type of gen. func.: ogf

$$-\frac{2x^4 - 2x^3 - x^2 + 12x - 7}{2x^5 - 4x^4 + x^3 + 9x^2 - 7x + 1}$$

Sequence: A069396
Score: 6.10919
Type of gen. func.: lgdogf

$$-\frac{384x^5 - 992x^4 - 464x^3 + 1272x^2 - 346x + 25}{(2x+1)(8x-1)(2x^2 - 7x + 1)(4x^2 - 6x + 1)}$$

Sequence: A069396
Score: 6.46082
Type of gen. func.: ogf

$$-\frac{(2x+1)^2}{(8x-1)(2x^2 - 7x + 1)(4x^2 - 6x + 1)}$$

Sequence: A069403
Score: 12.1059
Type of gen. func.: lgdogf

$$-\frac{x^4 - 2x^3 + 3x^2 - 6x + 3}{(x-1)(x^2 - 3x + 1)(x^2 - x + 1)}$$

Sequence: A069403
Score: 12.1996
Type of gen. func.: ogf

$$-\frac{x^2 - x + 1}{(x-1)(x^2 - 3x + 1)}$$

Sequence: A069403
Score: 6.6444
Type of gen. func.: ogf

$$(10 f(x) - 1) (f(x) x^3 - 4 f(x) x^2 + 4 f(x) x + x^2 - f(x) - x + 1)$$

Sequence: A069403
Score: 6.64440
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A069417
Score: 2.73511
Type of gen. func.: ogf

$$\frac{2 x + 1}{(2 x^2 - 7 x + 1) (4 x^2 - 6 x + 1)}$$

Sequence: A069417
Score: 5.50521
Type of gen. func.: ogf

$$(46467905 f(x) + 1164998)$$

$$(8 f(x) x^4 - 40 f(x) x^3 + 48 f(x) x^2 - 13 f(x) x + f(x) - 2 x - 1)$$

Sequence: A069429
Score: 11.3968
Type of gen. func.: revogf

$$- \frac{-3 - 6 x + ((10 x + 9) (2 x + 1))^{1/2}}{4 (2 x + 1)}$$

Sequence: A069429
Score: 11.9164
Type of gen. func.: ogf

$$-\frac{2x-3}{4x^2-6x+1}$$

Sequence: A069429
Score: 14.5626
Type of gen. func.: lgdogf

$$-\frac{8(x-1)(x-2)}{(2x-3)(4x^2-6x+1)}$$

Sequence: A069429
Score: 6.46067
Type of gen. func.: ogf

$$\{-a(n+2)+6a(n+1)-4a(n),\ a(0)=3,\ a(1)=16\}$$

Sequence: A069429
Score: 8.79262
Type of gen. func.: ogf

$$(1131 f(x)+703)(4 f(x) x^2-6 f(x) x+f(x)+2x-3)$$

Sequence: A069430
Score: 4.64817
Type of gen. func.: ogf

$$-\frac{8x^4+40x^3-88x^2+45x-7}{16x^5+80x^4-180x^3+98x^2-19x+1}$$

Sequence: A069440
Score: 3.00453
Type of gen. func.: ogf

$-(18452819 f(x) - 1708752)$

4 3 2 2

$(4 f(x) x + 3 f(x) x - 13 f(x) x + 7 f(x) x + 2 x - f(x) + 2 x + 2)$

Sequence: A069440
Score: 5.97067
Type of gen. func.: lgdogf

$$-\frac{8 x^5 + 15 x^4 + 22 x^3 - 11 x^2 - 24 x + 8}{(x - 1) (-1 + 4 x) (x^2 + x + 1) (x^2 + 2 x - 1)}$$

Sequence: A069440
Score: 6.30951
Type of gen. func.: ogf

$$-\frac{2 (x^2 + x + 1)}{(x - 1) (-1 + 4 x) (x^2 + 2 x - 1)}$$

Sequence: A069473
Score: 6.73039
Type of gen. func.: ogf

$$-\frac{2 (x^4 + 26 x^3 + 156 x^2 + 146 x + 31)}{(x - 1)^5}$$

Sequence: A069473
Score: 8.54316
Type of gen. func.: lgdogf

$$-\frac{31 x^4 - 184 x^3 + 546 x^2 + 56 x + 1351}{(x - 1) (31 x^4 - 154 x^3 + 336 x^2 - 154 x + 301)}$$

Sequence: A069474
Score: 12.3229
Type of gen. func.: lgdogf

$$-\frac{9 x^3 - 43 x^2 + 77 x - 91}{(x - 1) (9 x^3 - 35 x^2 + 49 x - 35)}$$

Sequence: A069474
Score: 3.54087
Type of gen. func.: ogf

$$\{(11 n^2 + 61 n + 78) a(n + 1) + (8 n^2 + 151 n + 375) a(n + 2) + (-19 n^2 - 122 n - 195) a(n + 3), a(0) = 540, a(1) = 2100, a(2) = 5460\}$$

Sequence: A069474
Score: 4.67298
Type of gen. func.: ogf

$$(16 f(x) + 7285) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 60 x^3 - 4 f(x) x - 300 x^2 + f(x) + 60 x - 540)$$

Sequence: A069474
Score: 8.27625
Type of gen. func.: ogf

$$-\frac{60 (x^3 - 5 x^2 + x - 9)}{(x - 1)^4}$$

Sequence: A069475
Score: 10.8949
Type of gen. func.: ogf

$$-\frac{120 (4 x^2 - 11 x + 13)}{(x - 1)^3}$$

Sequence: A069475
Score: 17.8486

Type of gen. func.: lgdogf

$$-\frac{13 x^2 - 44 x + 49}{(x - 1) (13 x^2 - 35 x + 28)}$$

Sequence: A069475
Score: 5.87304
Type of gen. func.: ogf

$$(2465 f(x) - 2871966)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 480 x^2 - f(x) - 1320 x + 1560)$$

Sequence: A069475
Score: 6.21281
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1560, a(1) = 3360,$$
$$a(2) = 5880\}$$

Sequence: A069476
Score: 14.5449
Type of gen. func.: ogf

$$-\frac{360 (3 x - 5)}{(x - 1)^2}$$

Sequence: A069476
Score: 17.5990
Type of gen. func.: revogf

$$-\frac{-1260 - x + 12 (11025 + 5 x)^{1/2}}{1800 + x}$$

Sequence: A069476
Score: 30.6069
Type of gen. func.: lgdogf

$$-\frac{-9 + 5 x}{(x - 1) (5 x - 7)}$$

Sequence: A069476
Score: 7.8083
Type of gen. func.: ogf

$$(4 f(x) + 14409) (f(x) x^2 - 2 f(x) x + f(x) + 1080 x - 1800)$$

Sequence: A069476
Score: 8.42942
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1800, a(1) = 2520\}$$

Sequence: A069477
Score: 12.2483
Type of gen. func.: ogf

$$-\frac{30 (5 x^2 - 14 x + 13)}{(x - 1)^3}$$

Sequence: A069477
Score: 21.2101
Type of gen. func.: lgdogf

$$-\frac{5 x^2 - 18 x + 25}{(x - 1) (5 x^2 - 14 x + 13)}$$

Sequence: A069477
Score: 6.78213
Type of gen. func.: ogf

$$(71 f(x) - 1950) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 150 x^2 - f(x) - 420 x + 390)$$

Sequence: A069477
Score: 6.89611
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 390, a(1) = 750, a(2) = 1230\}$

Sequence: A069478
Score: 11.5477
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) - 240 x + 360$$

Sequence: A069478
Score: 15.7898
Type of gen. func.: ogf

$$-\frac{120 (2 x - 3)}{(x - 1)^2}$$

Sequence: A069478
Score: 20.5067
Type of gen. func.: revogf

$$-\frac{-180 - x + 2 (8100 + 30 x)^{1/2}}{240 + x}$$

Sequence: A069478
Score: 32.9890
Type of gen. func.: lgdogf

$$-\frac{2 (x - 2)}{(x - 1) (2 x - 3)}$$

Sequence: A069478

Score: 8.99649
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 360, a(1) = 480\}$$

Sequence: A069480
Score: 11.4730
Type of gen. func.: ogf

$$\frac{x^4 - 2 x^2 - 2 x + 1}{(x^2 + 1)^3}$$

Sequence: A069480
Score: 17.9559
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 6 x^3 - 5 x^2 + 5 x + 1)}{(x^2 + 1) (x^4 - 2 x^2 - 2 x + 1)}$$

Sequence: A069497
Score: 10.2926
Type of gen. func.: lgdogf

$$-\frac{3 x^6 + 12 x^5 - 14 x^4 + 26 x^3 + 5 x^2 - 2 x + 6}{(x - 1) (x^2 + 4 x + 1) (x^2 - x + 1) (x^2 + 1)}$$

Sequence: A069497
Score: 6.93116
Type of gen. func.: ogf

$$-\frac{6 x (x^2 + 4 x + 1) (x^2 - x + 1)}{(x^2 + 1)^2 (x - 1)^3}$$

Sequence: A069498

Score: 5.86056
Type of gen. func.: lgdogf

$$-\frac{3x^9+45x^8+47x^7+31x^6+75x^5+159x^4+57x^3+25x^2+26x+12}{(x-1)(x+1)(x^2+1)(x^6+11x^5+7x^4+2x^3+7x^2+11x+1)}$$

Sequence: A069498
Score: 6.04734
Type of gen. func.: ogf

$$-\frac{10x(x^6+11x^5+7x^4+2x^3+7x^2+11x+1)}{(x+1)^2(x^2+1)^2(x-1)^3}$$

Sequence: A069499
Score: 6.14733
Type of gen. func.: lgdogf

$$-\frac{3x^9+17x^8+30x^7+16x^6+51x^5+63x^4+39x^3+13x^2+15x+5}{(x-1)(x+1)(x^2+1)(x^2-x+1)(x^4+5x^3+9x^2+5x+1)}$$

Sequence: A069499
Score: 6.27152
Type of gen. func.: ogf

$$-\frac{21(x^2-x+1)(x^4+5x^3+9x^2+5x+1)}{(x+1)^2(x^2+1)^2(x-1)^3}$$

Sequence: A069505
Score: 5.58427
Type of gen. func.: lgdogf

$$\frac{3300x^6-6060x^5+2313x^4+306x^3+181x^2-52x+3}{(x-1)(10x-1)(110x^5-61x^4-25x^3-16x^2-8x+1)}$$

Sequence: A069505
Score: 6.99004
Type of gen. func.: ogf

$$\frac{110 x^5 - 61 x^4 - 25 x^3 - 16 x^2 - 8 x + 1}{(10 x - 1) (x - 1)}$$

Sequence: A069506
Score: 4.72084
Type of gen. func.: ogf

$$-(222095 f(x) - 1241448)$$

$$(10 f(x) x^2 - 40 x^3 - 11 f(x) x + 24 x^2 + f(x) + 17 x - 2)$$

Sequence: A069506
Score: 4.80018
Type of gen. func.: ogf

{-a(n + 4) + 11 a(n + 3) - 10 a(n + 2), a(0) = 2, a(1) = 5, a(2) = 11,

a(3) = 111}

Sequence: A069506
Score: 7.99205
Type of gen. func.: lgdogf

$$\frac{400 x^4 - 880 x^3 + 554 x^2 - 88 x + 5}{(x - 1) (10 x - 1) (40 x^3 - 24 x^2 - 17 x + 2)}$$

Sequence: A069506
Score: 8.65486
Type of gen. func.: ogf

$$\frac{40 x^3 - 24 x^2 - 17 x + 2}{(10 x - 1) (x - 1)}$$

Sequence: A069507
Score: 4.02268
Type of gen. func.: ogf

$$(4066888888150 f(x) - 224694911281231)$$

$$(-440 x^4 + 10 f(x) x^2 + 404 x^3 - 11 f(x) x + 4 x^2 + f(x) + 35 x - 4)$$

Sequence: A069507
Score: 6.14773
Type of gen. func.: lgdogf

$$\frac{8800 x^5 - 18560 x^4 + 10648 x^3 - 818 x^2 - 88 x + 9}{(x - 1) (10 x - 1) (440 x^4 - 404 x^3 - 4 x^2 - 35 x + 4)}$$

Sequence: A069507
Score: 7.51607
Type of gen. func.: ogf

$$\frac{440 x^4 - 404 x^3 - 4 x^2 - 35 x + 4}{(10 x - 1) (x - 1)}$$

Sequence: A069508
Score: 4.26886
Type of gen. func.: ogf

$$-(336109515 f(x) - 16291233566)$$

$$(10 f(x) x^2 - 440 x^3 - 11 f(x) x + 434 x^2 + f(x) + 11 x - 6)$$

Sequence: A069508
Score: 4.54878
Type of gen. func.: ogf

$$\{-a(n + 4) + 11 a(n + 3) - 10 a(n + 2), a(0) = 6, a(1) = 55, a(2) = 111,$$

$$a(3) = 1111\}$$

Sequence: A069508
Score: 7.05701
Type of gen. func.: lgdogf

$$\frac{4400 x^4 - 9680 x^3 + 6204 x^2 - 988 x + 55}{(x - 1) (10 x - 1) (440 x^3 - 434 x^2 - 11 x + 6)}$$

Sequence: A069508
Score: 8.16104
Type of gen. func.: ogf

$$\frac{440 x^3 - 434 x^2 - 11 x + 6}{(10 x - 1) (x - 1)}$$

Sequence: A069510
Score: 5.05735
Type of gen. func.: ogf

$$(440 x^{11} - 404 x^{10} + 36 x^9 - 9 x^8 - 9 x^7 - 9 x^6 - 9 x^5 - 9 x^4 - 9 x^3 - 9 x^2$$
$$- 9 x + 1)/((10 x - 1) (x - 1))$$

Sequence: A069515
Score: 10.2568
Type of gen. func.: ogf

$$\frac{3 (x - 1) x}{(3 x - 1)^3}$$

Sequence: A069515
Score: 23.8297
Type of gen. func.: lgdogf

$$- \frac{2 (-4 + 3 x)}{(3 x - 1) (x - 1)}$$

Sequence: A069515
Score: 5.30833
Type of gen. func.: ogf

$$\{a(n+3) - 9\,a(n+2) + 27\,a(n+1) - 27\,a(n),\ a(0) = 0,\ a(1) = 3,\ a(2) = 24\}$$

Sequence: A069515
Score: 5.55184
Type of gen. func.: ogf

$$(8 f(x) + 3) (27 f(x) x^{3} - 27 f(x) x^{2} + 9 f(x) x - 3 x^{2} - f(x) + 3 x)$$

Sequence: A069532
Score: 4.20697
Type of gen. func.: ogf

$$2 (45 x^{16} - 45 x^{15} + 45 x^{14} - 45 x^{13} + 45 x^{12} - 45 x^{11} + 45 x^{10} - 45 x^{9} + 5 x^{8} - 4 x^{7} + 5 x^{6} - 4 x^{5} + 5 x^{4} - 4 x^{3} + 5 x^{2} - 4 x + 5) / ((x - 1) (10 x^{9} - 1))$$

Sequence: A069534
Score: 4.79140
Type of gen. func.: ogf

$$5 (72 x^{13} - 18 x^{12} - 18 x^{11} - 18 x^{10} - 18 x^{9} + 2 x^{8} + 2 x^{7} + 2 x^{6} + 2 x^{5} - 7 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2) / ((x - 1) (10 x^{9} - 1))$$

Sequence: A069697
Score: 3.81283
Type of gen. func.: ogf_with_Euler_transform]

$$3/2 + \frac{3 (64 x^{12} + 1)^{1/2}}{2}$$

Sequence: A069700
Score: 3.59822
Type of gen. func.: ogf_with_Euler_transform]

$$3/2 + \frac{(1020 x^{12} + 9)^{1/2}}{2}$$

Sequence: A069705
Score: 12.548
Type of gen. func.: ogf

$$-(f(x) + 3) (f(x) x^3 + 4 x^2 - f(x) + 2 x + 1)$$

Sequence: A069705
Score: 13.0433
Type of gen. func.: ogf

$$\{a(n + 3) - a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A069705
Score: 17.3692
Type of gen. func.: lgdogf

$$- \frac{4 x^4 + 4 x^3 + 3 x^2 + 8 x + 2}{(x - 1) (x^2 + x + 1) (4 x^2 + 2 x + 1)}$$

Sequence: A069705
Score: 20.2305
Type of gen. func.: ogf

$$- \frac{4 x^2 + 2 x + 1}{(x - 1) (x^2 + x + 1)}$$

Sequence: A069720
Score: 10.2909
Type of gen. func.: ogf

$$-16 f(x)^2 x^2 + 2 f(x)^2 x - 8 f(x) x + f(x) - 1$$

Sequence: A069720
Score: 30.2726
Type of gen. func.: revogf

$$\frac{x (2 x + 1)}{(1 + 4 x)^2}$$

Sequence: A069720
Score: 7.64462
Type of gen. func.: ogf

$$\{(-8 n - 20) a(n + 1) + (n + 3) a(n + 2), a(0) = 1, a(1) = 6\}$$

Sequence: A069721
Score: 6.35069
Type of gen. func.: ogf

$$\{(-8 n^2 - 4 n) a(n) + (n^2 + n - 2) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 4\}$$

Sequence: A069721
Score: 7.34689
Type of gen. func.: ogf

$$-16 f(x)^2 x^2 + 2 f(x)^2 x + 16 f(x) x^2 - 10 f(x) x - 4 x^2 + f(x)$$

Sequence: A069722
Score: 29.6420
Type of gen. func.: revogf

$$\frac{x (2 + x)}{8 (x + 1)^2}$$

Sequence: A069722
Score: 6.02299
Type of gen. func.: ogf

$$\{(-8 n - 4) a(n) + (n + 1) a(n + 1), a(0) = 0, a(1) = 4\}$$

Sequence: A069722
Score: 7.73223
Type of gen. func.: ogf

$$-8 f(x)^{2} x + f(x)^{2} - 16 f(x) x + 2 f(x) - 8 x$$

Sequence: A069723
Score: 6.46960
Type of gen. func.: ogf

$$\{(-8 n - 4) a(n) + (n + 1) a(n + 1), a(0) = 1, a(1) = 2\}$$

Sequence: A069723
Score: 8.50798
Type of gen. func.: ogf

$$-8 f(x)^{2} x + f(x)^{2} + 8 f(x) x - f(x) - 2 x$$

Sequence: A069726
Score: 3.94660
Type of gen. func.: ogf

$$\{(243 n^{3} + 243 n^{2} + 54 n) a(n) + (-93 n^{3} - 447 n^{2} - 702 n - 360) a(n + 1)$$

$$+ (4 n^{3} + 30 n^{2} + 74 n + 60) a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A069726
Score: 5.69395
Type of gen. func.: ogf

$$-81 f(x)^{3} x^{2} + 81 f(x)^{2} x^{2} - 18 f(x)^{2} x - 27 f(x) x^{2} + 66 f(x) x + 3 x^{2} - f(x)$$

$$- 47 x + 1$$

Sequence: A069731
Score: 16.3907
Type of gen. func.: revogf

$$\frac{-1 + (1 + 4 x)^{1/2}}{2 (1 + 4 x)}$$

Sequence: A069731
Score: 4.79523
Type of gen. func.: ogf

$$\{(-8 n - 28) a(n + 1) + (n + 5) a(n + 2), a(0) = 1, a(1) = 5\}$$

Sequence: A069731
Score: 6.14023
Type of gen. func.: ogf

$$-16 x^3 f(x)^2 - 8 f(x) x^2 - 4 f(x) x + f(x) - x - 1$$

Sequence: A069736
Score: 11.1106
Type of gen. func.: lgdegf]

$$-2 + 3 x + (12 x^2 - 8 x + 1) f(x) + (12 x^3 - 8 x^2 + x) f(x)^2$$

Sequence: A069736
Score: 3.17569
Type of gen. func.: ogf

$$\{(12 n^3 + 72 n^2 + 141 n + 90) a(n + 1) + (-8 n^2 - 44 n - 60) a(n + 2)$$
$$+ (n + 4) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 13\}$$

Sequence: A069745
Score: 17.6717
Type of gen. func.: ogf_with_Euler_transform]

$$x (x^6 + x^5 + x^4 + x + 1)$$

Sequence: A069745
Score: 5.17385
Type of gen. func.: ogf

$$- 1/((x^2 + 1) (x^2 - x + 1) (x^4 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x + 1)^3 (x - 1)^5)$$

Sequence: A069746
Score: 6.26869
Type of gen. func.: ogf

$$- \frac{111 x^9 - 11 x^8 - 90 x^7 - 9 x^6 - x^5 - x^4 - 9 x^3 - 90 x^2 - 11 x - 1000}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A069755
Score: 6.70003
Type of gen. func.: ogf

$$\frac{x^6 - 3 x^4 + 9 x^2 + 12 x + 17}{(x + 1)^3 (x - 1)^4}$$

Sequence: A069755
Score: 8.78372
Type of gen. func.: lgdogf

$$- \frac{x^7 + x^6 - 3 x^5 - 3 x^4 + 33 x^3 + 81 x^2 + 149 x + 29}{(x - 1) (x + 1) (x^6 - 3 x^4 + 9 x^2 + 12 x + 17)}$$

Sequence: A069756
Score: 13.4858

Type of gen. func.: lgdogf

$$-\frac{x^4 - 4x^3 + 6x^2 - 4x - 119}{(x-1)(x^4 - 4x^3 + 6x^2 - 4x - 23)}$$

Sequence: A069756
Score: 5.13805
Type of gen. func.: ogf

{(n + 6) a(n + 1) + (-2 n - 9) a(n + 2) + (n + 3) a(n + 3), a(0) = 23,

a(1) = 119, a(2) = 359}

Sequence: A069756
Score: 8.29581
Type of gen. func.: ogf

$$\frac{x^4 - 4x^3 + 6x^2 - 4x - 23}{(x-1)^5}$$

Sequence: A069759
Score: 5.89091
Type of gen. func.: ogf

$$\frac{x^4 - 4x^3 + 6x^2 - 112x - 107}{(x-1)^5}$$

Sequence: A069759
Score: 9.05028
Type of gen. func.: lgdogf

$$-\frac{x^4 - 4x^3 + 6x^2 - 436x - 647}{(x-1)(x^4 - 4x^3 + 6x^2 - 112x - 107)}$$

Sequence: A069760
Score: 5.67648
Type of gen. func.: ogf

$$\frac{x^4 - 4 x^3 + 6 x^2 - 52 x - 47}{(x - 1)^5}$$

Sequence: A069760
Score: 8.81289
Type of gen. func.: lgdogf

$$- \frac{x^4 - 4 x^3 + 6 x^2 - 196 x - 287}{(x - 1) (x^4 - 4 x^3 + 6 x^2 - 52 x - 47)}$$

Sequence: A069763
Score: 4.76958
Type of gen. func.: ogf

$$\frac{x^6 - 6 x^5 + 13 x^4 - 24 x^3 - 153 x^2 - 370 x - 181}{(x - 1)^7}$$

Sequence: A069763
Score: 6.67247
Type of gen. func.: lgdogf

$$- \frac{x^6 - 6 x^5 + 9 x^4 - 44 x^3 - 837 x^2 - 2526 x - 1637}{(x - 1) (x^6 - 6 x^5 + 13 x^4 - 24 x^3 - 153 x^2 - 370 x - 181)}$$

Sequence: A069764
Score: 5.22452
Type of gen. func.: ogf

$$\frac{x^6 - 6 x^5 + 13 x^4 - 20 x^3 - 69 x^2 - 150 x - 89}{(x - 1)^7}$$

Sequence: A069764
Score: 7.44222
Type of gen. func.: lgdogf

$$-\frac{x^6 - 6x^5 + 9x^4 - 28x^3 - 405x^2 - 1038x - 773}{(x - 1)(x^6 - 6x^5 + 13x^4 - 20x^3 - 69x^2 - 150x - 89)}$$

Sequence: A069778
Score: 11.8089
Type of gen. func.: ogf

$$\frac{3x^2 + 2x + 1}{(x - 1)^4}$$

Sequence: A069778
Score: 26.6620
Type of gen. func.: lgdogf

$$-\frac{6(x + 1)^2}{(x - 1)(3x^2 + 2x + 1)}$$

Sequence: A069778
Score: 4.09453
Type of gen. func.: ogf

$$\{(-n - 4)\,a(n + 4) + (3 - n)\,a(n + 3) + (10 - n)\,a(n + 2) + (9 + 3n)\,a(n + 1),$$
$$a(0) = 1,\ a(1) = 6,\ a(2) = 21,\ a(3) = 52\}$$

Sequence: A069778
Score: 5.90443
Type of gen. func.: ogf

$$(55188 f(x) + 128309)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 3 x^2 + f(x) - 2 x - 1)$$

Sequence: A069779
Score: 6.27509
Type of gen. func.: ogf

$$-\frac{15 x^{5} + 175 x^{4} + 344 x^{3} + 168 x^{2} + 17 x + 1}{(x - 1)^{7}}$$

Sequence: A069779
Score: 9.14806
Type of gen. func.: lgdogf

$$-\frac{6 (5 x^{5} + 100 x^{4} + 346 x^{3} + 312 x^{2} + 73 x + 4)}{(x - 1) (15 x^{5} + 175 x^{4} + 344 x^{3} + 168 x^{2} + 17 x + 1)}$$

Sequence: A069782
Score: 10.0124
Type of gen. func.: ogf

$$-(f(x) + 1) (f(x) x^{2} - 2 f(x) x + f(x) - 1)$$

Sequence: A069782
Score: 10.3787
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A069782
Score: 104.265
Type of gen. func.: lgdogf

$$-\frac{2}{x - 1}$$

Sequence: A069782
Score: 25.7896
Type of gen. func.: ogf

$$\frac{1}{(x-1)^2}$$

Sequence: A069782
Score: 36.2661
Type of gen. func.: revogf

$$\frac{4x}{(1+(1+4x)^{1/2})^2}$$

Sequence: A069792
Score: 6.68537
Type of gen. func.: lgdogf

$$27+(-27+27x)f(x)+(9x^2-18x+9)f(x)^2+(x^3-3x^2+3x-1)f(x)^3$$

Sequence: A069813
Score: 8.69694
Type of gen. func.: lgdogf

$$-\frac{2(x^7-2x^4-6x^3-7x^2-3x-1)}{(x-1)(x+1)(x^2+x+1)(x^2-x-1)(x^2+1)}$$

Sequence: A069813
Score: 9.70332
Type of gen. func.: ogf

$$\frac{(x^2+1)(x^2-x-1)}{(x^2+x+1)(x+1)(x-1)^3}$$

Sequence: A069816

Score: 6.49888
Type of gen. func.: ogf

$$\frac{2 x^{11} (9 x^8 + 8 x^7 + 7 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1)}{(x - 1)^2 (x + 1)^2 (x^4 + x^3 + x^2 + x + 1)^2 (x^4 - x^3 + x^2 - x + 1)^2}$$

Sequence: A069835
Score: 12.0443
Type of gen. func.: ogf

$$-4 f(x)^2 x^2 + 8 f(x)^2 x - f(x)^2 + 1$$

Sequence: A069835
Score: 17.7678
Type of gen. func.: revogf

$$-\frac{(-4 x + (12 x^2 + 1)^{1/2}) x}{(2 x - 1) (2 x + 1)}$$

Sequence: A069835
Score: 33.9203
Type of gen. func.: lgdogf

$$-\frac{4 (x - 1)}{4 x^2 - 8 x + 1}$$

Sequence: A069835
Score: 4.99203
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 3) + (20 + 8 n) a(n + 2) + (-8 - 4 n) a(n + 1), a(0) = 1, a(1) = 4, a(2) = 22\}$$

Sequence: A069871
Score: 6.47129
Type of gen. func.: lgdogf

$$\frac{600 x^8 - 1320 x^6 + 756 x^4 - 40 x^3 - 99 x^2 + 22 x + 9}{(x - 1) (1 + 3 x) (x + 1) (10 x^2 - 1) (20 x^4 - 22 x^2 + 3)}$$

Sequence: A069882
Score: 5.59304
Type of gen. func.: lgdogf

$$\frac{2 (1000 x^7 - 1510 x^6 + 258 x^5 + 81 x^4 + 81 x^3 + 81 x^2 - 19 x + 1)}{(x - 1) (10 x - 1) (50 x^6 - 9 x^5 - 9 x^4 - 9 x^3 - 9 x^2 - 9 x + 1)}$$

Sequence: A069882
Score: 7.19738
Type of gen. func.: ogf

$$\frac{50 x^6 - 9 x^5 - 9 x^4 - 9 x^3 - 9 x^2 - 9 x + 1}{(10 x - 1) (x - 1)}$$

Sequence: A069894
Score: 11.3218
Type of gen. func.: revogf

$$1/3 \frac{2 \operatorname{HeunG}(4/9, 1/4, -1/6, 1/6, 1/2, -1, -3 x) (27 x + 4)^{1/2} - 4 + 3 x}{2 + x}$$

Sequence: A069894
Score: 13.2433
Type of gen. func.: ogf

$$- \frac{2 (x + 1)^2}{(x - 1)^3}$$

Sequence: A069894
Score: 38.2479

Type of gen. func.: ogf_with_Euler_transform]

$$[5 - 2 x]$$

Sequence: A069894
Score: 44.0294
Type of gen. func.: lgdogf

$$- \frac{x + 5}{(x - 1) (x + 1)}$$

Sequence: A069894
Score: 7.08634
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2, a(1) = 10, a(2) = 26\}$$

Sequence: A069894
Score: 7.14906
Type of gen. func.: ogf

$$(19 f(x) - 60) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x) + 4 x + 2)$$

Sequence: A069905
Score: 14.6446
Type of gen. func.: ogf

$$- \frac{x^3}{(x^2 + x + 1) (x + 1) (x - 1)^3}$$

Sequence: A069905
Score: 20.2078
Type of gen. func.: lgdogf

$$- \frac{(2 x + 1) (3 x^2 + 2 x + 1)}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A069905
Score: 30.6897
Type of gen. func.: ogf_with_Euler_transform]

$$[x^2 + x + 1]$$

Sequence: A069906
Score: 12.9377
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{10} + x^7 + x^5 + x^4 + x^3 + x + 1$$

Sequence: A069908
Score: 7.27888
Type of gen. func.: ogf

$$\frac{2 x^8 + x^7 + x^6 + x^5 + 6 x^4 + x^3 + x^2 + x + 2}{(x + 1) (x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A069909
Score: 7.85543
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + x^3 - 2 x^2 + x + 1)}{(x^4 + 1) (x - 1)^2}$$

Sequence: A069909
Score: 8.82903
Type of gen. func.: lgdogf

$$- \frac{x^9 + 5 x^8 - 3 x^7 - 3 x^6 + 9 x^5 + x^4 + 5 x^3 - 3 x^2 + 4}{(x - 1) (x + 1) (x^4 + x^3 - 2 x^2 + x + 1) (x^4 + 1)}$$

Sequence: A069921
Score: 12.2548
Type of gen. func.: ogf

$$-\frac{2 x^{2} - 3 x - 1}{(x + 1) (x^{2} - 3 x + 1)}$$

Sequence: A069921
Score: 13.5939
Type of gen. func.: lgdogf

$$-\frac{2 x^{4} - 6 x^{3} + 7 x^{2} + 5}{(x + 1) (x^{2} - 3 x + 1) (2 x^{2} - 3 x - 1)}$$

Sequence: A069921
Score: 6.33508
Type of gen. func.: ogf

$$-(127 f(x) + 23) (f(x) x^{3} - 2 f(x) x^{2} - 2 f(x) x + 2 x^{2} + f(x) - 3 x - 1)$$

Sequence: A069921
Score: 6.61541
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 5, a(2) = 10\}$$

Sequence: A069926
Score: 19.0721
Type of gen. func.: lgdogf

$$\frac{26 x^{27} - 27 x^{26} + 4 x^{5} - 5 x^{4} - 1}{(x - 1) (x^{27} + x^{5} + 1)}$$

Sequence: A069926

Score: 19.8259
Type of gen. func.: ogf

$$-\frac{x^{27}+x^{5}+1}{x-1}$$

Sequence: A069951
Score: 7.76722
Type of gen. func.: ogf

$$-\frac{x^{9}-2x^{8}-18x^{7}-8x^{6}+x^{5}-x^{4}-7x^{3}-18x^{2}-x-1}{(x-1)^{2}(x^{4}+x^{3}+x^{2}+x+1)^{2}}$$

Sequence: A069957
Score: 19.0207
Type of gen. func.: ogf_with_Euler_transform]

$$x^{4}+2x^{3}+x^{2}+2x+2$$

Sequence: A069957
Score: 6.26783
Type of gen. func.: lgdogf

$$-\frac{22x^{9}+46x^{8}+76x^{7}+89x^{6}+92x^{5}+72x^{4}+48x^{3}+23x^{2}+10x+2}{(x-1)(x+1)(x^{2}+x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{2}+1)}$$

Sequence: A069959
Score: 10.5579
Type of gen. func.: lgdogf

$$-\frac{4x^{4}-6x^{3}+11x^{2}-4x+5}{(x-1)(1+4x)(x+1)(x^{2}-3x+1)}$$

Sequence: A069959

Score: 12.9915
Type of gen. func.: ogf

$$-\frac{(1 + 4 x) (x - 1)}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A069959
Score: 6.77332
Type of gen. func.: ogf

$$(8983 f(x) - 6055) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + 4 x^2 + f(x) - 3 x - 1)$$

Sequence: A069959
Score: 7.07571
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 1, a(1) = 5, a(2) = 8\}$$

Sequence: A069960
Score: 10.4723
Type of gen. func.: lgdogf

$$-\frac{9 x^4 - 16 x^3 + 31 x^2 - 14 x + 10}{(x - 1) (9 x + 1) (x + 1) (x^2 - 3 x + 1)}$$

Sequence: A069960
Score: 12.5860
Type of gen. func.: ogf

$$-\frac{(9 x + 1) (x - 1)}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A069960
Score: 6.34499
Type of gen. func.: ogf

3 2 2

$$(198123 f(x) - 261910) (f(x) x - 2 f(x) x - 2 f(x) x + 9 x + f(x) - 8 x - 1)$$

Sequence: A069960
Score: 6.73460
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 1, a(1) = 10, a(2) = 13\}$$

Sequence: A069961
Score: 12.5071
Type of gen. func.: ogf

$$-\frac{(16 x + 1) (x - 1)}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A069961
Score: 6.30358
Type of gen. func.: ogf

$$(1791295 f(x) - 4001443)$$

$$(f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + 16 x^2 + f(x) - 15 x - 1)$$

Sequence: A069961
Score: 6.91182
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 1, a(1) = 17, a(2) = 20\}$$

Sequence: A069961
Score: 9.67248
Type of gen. func.: lgdogf

$$-\frac{16 x^4 - 30 x^3 + 59 x^2 - 28 x + 17}{(x - 1) (16 x + 1) (x + 1) (x^2 - 3 x + 1)}$$

Sequence: A069962
Score: 11.9007
Type of gen. func.: ogf

$$-\frac{(25 x + 1) (x - 1)}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A069962
Score: 5.90351
Type of gen. func.: ogf

$(10096459 f(x) - 34401094)$

$$(f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + 25 x^2 + f(x) - 24 x - 1)$$

Sequence: A069962
Score: 6.57671
Type of gen. func.: ogf

$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 26, a(2) = 29\}$

Sequence: A069962
Score: 9.87612
Type of gen. func.: lgdogf

$$-\frac{25 x^4 - 48 x^3 + 95 x^2 - 46 x + 26}{(x - 1) (25 x + 1) (x + 1) (x^2 - 3 x + 1)}$$

Sequence: A069963
Score: 12.0065
Type of gen. func.: ogf

$$-\frac{(36 x + 1) (x - 1)}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A069963
Score: 5.90946
Type of gen. func.: ogf

$$(41995095 f(x) - 203330503)$$

$$(f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + 36 x^2 + f(x) - 35 x - 1)$$

Sequence: A069963
Score: 6.63517
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 37, a(2) = 40\}$$

Sequence: A069963
Score: 9.06239
Type of gen. func.: lgdogf

$$- \frac{36 x^4 - 70 x^3 + 139 x^2 - 68 x + 37}{(x - 1) (36 x + 1) (x + 1) (x^2 - 3 x + 1)}$$

Sequence: A069975
Score: 18.9001
Type of gen. func.: lgdogf

$$- \frac{2 (x + 7) (5 x + 3)}{(x - 1) (5 x^2 + 22 x + 5)}$$

Sequence: A069975
Score: 5.13157
Type of gen. func.: ogf

$$(1312 f(x) + 65727)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 15 x^2 + f(x) - 66 x - 15)$$

Sequence: A069975
Score: 9.90678
Type of gen. func.: ogf

2

$$\frac{3 (5 x + 22 x + 5)}{(x - 1)^4}$$

Sequence: A069981
Score: 16.5163
Type of gen. func.: lgdogf

$$- \frac{3 (2 x^3 - 2 x^2 - x - 1)}{(x - 1) (x + 1) (2 x^2 - 2 x - 1)}$$

Sequence: A069981
Score: 4.12862
Type of gen. func.: ogf

$$\{(-n^3 - 5 n^2 + 8 n) a(n) + (-n^2 + 3 n + 4) a(n + 1)$$

$$+ (n^3 + 2 n^2 - 15 n + 12) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1$$

$$\}$$

Sequence: A069981
Score: 9.18011
Type of gen. func.: ogf

$$\frac{x^3 (2 x^2 - 2 x - 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A069982
Score: 12.1185
Type of gen. func.: lgdogf

$$- \frac{4 (3 x^4 - 3 x^3 - 3 x^2 - 4 x - 1)}{(x - 1) (x + 1) (3 x^3 - 3 x^2 - 3 x - 1)}$$

Sequence: A069982
Score: 6.78192
Type of gen. func.: ogf

$$-\frac{x^4 (3 x^3 - 3 x^2 - 3 x - 1)}{(x + 1)^3 (x - 1)^4}$$

Sequence: A069983
Score: 5.36763
Type of gen. func.: ogf

$$\frac{x^5 (4 x^4 - 4 x^3 - 6 x^2 - 4 x - 1)}{(x + 1)^4 (x - 1)^5}$$

Sequence: A069983
Score: 9.69774
Type of gen. func.: lgdogf

$$-\frac{5 (4 x^5 - 4 x^4 - 6 x^3 - 10 x^2 - 5 x - 1)}{(x - 1) (x + 1) (4 x^4 - 4 x^3 - 6 x^2 - 4 x - 1)}$$

Sequence: A069984
Score: 13.5381
Type of gen. func.: revogf

$$-\frac{-1123 - 2 x + (1261129 + 85840 x)^{1/2}}{2 (-20337 + x)}$$

Sequence: A069984
Score: 13.5394
Type of gen. func.: ogf

$$\frac{20337 x + 1123}{(x - 1)^2}$$

Sequence: A069984
Score: 18.6606
Type of gen. func.: lgdogf

$$-\frac{22583 + 20337 x}{(20337 x + 1123) (x - 1)}$$

Sequence: A069984
Score: 6.76969
Type of gen. func.: ogf

$$(42920 f(x) + 461792729) (f(x) x^2 - 2 f(x) x + f(x) - 20337 x - 1123)$$

Sequence: A069984
Score: 7.91065
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1123, a(1) = 22583\}$$

Sequence: A069993
Score: 11.2942
Type of gen. func.: lgdogf

$$-\frac{16 x^3 - 8 x^2 + 55 x - 27}{(x - 1) (-1 + 4 x) (4 x^2 - 3 x + 5)}$$

Sequence: A069993
Score: 4.95589
Type of gen. func.: ogf

$$(248841 f(x) - 139420)$$

$$(4 f(x) x^3 - 9 f(x) x^2 + 6 f(x) x + 4 x^2 - f(x) - 3 x + 5)$$

Sequence: A069993
Score: 5.21445
Type of gen. func.: ogf

$\{a(n + 3) - 6 a(n + 2) + 9 a(n + 1) - 4 a(n), a(0) = 5, a(1) = 27, a(2) = 121\}$

Sequence: A069993
Score: 9.83052
Type of gen. func.: ogf

$$-\frac{4 x^2 - 3 x + 5}{(-1 + 4 x) (x - 1)^2}$$

Sequence: A069996
Score: 11.6298
Type of gen. func.: ogf

$$-\frac{1 + 3 x}{(3 x - 1)^3}$$

Sequence: A069996
Score: 23.2259
Type of gen. func.: lgdogf

$$-\frac{6 (2 + 3 x)}{(3 x - 1) (1 + 3 x)}$$

Sequence: A069996
Score: 5.51414
Type of gen. func.: ogf

$\{a(n + 3) - 9 a(n + 2) + 27 a(n + 1) - 27 a(n), a(0) = 1, a(1) = 12, a(2) = 81\}$

Sequence: A069996
Score: 5.86826
Type of gen. func.: ogf

$$(236 f(x) - 321) (27 f(x) x^3 - 27 f(x) x^2 + 9 f(x) x - f(x) + 3 x + 1)$$

Sequence: A070004
Score: 14.4776
Type of gen. func.: ogf

$$-\frac{5 (x + 1)^2}{2 x^2 - 1}$$

Sequence: A070004
Score: 27.2819
Type of gen. func.: lgdogf

$$-\frac{2 (2 x + 1)}{(x + 1) (2 x^2 - 1)}$$

Sequence: A070004
Score: 8.41721
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 1), a(0) = 5, a(1) = 10, a(2) = 15\}$$

Sequence: A070004
Score: 9.28051
Type of gen. func.: ogf

$$(51 f(x) - 95) (2 f(x) x^2 + 5 x^2 - f(x) + 10 x + 5)$$

Sequence: A070031
Score: 17.4530
Type of gen. func.: revogf

$$\frac{-2 - 7 x + ((8 x + 1) (2 + x)^2)^{1/2}}{2 (x - 1)^2}$$

Sequence: A070031
Score: 4.33952
Type of gen. func.: ogf

$$\{(4 n^2 + 18 n + 20) a(n + 1) + (3 n^2 + 24 n + 52) a(n + 2)$$

$$+ (-n^2 - 9 n - 18) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 13\}$$

Sequence: A070031
Score: 9.64337
Type of gen. func.: ogf

$$x^3 f(x)^2 - 2 f(x) x^2 + 7 f(x) x - 2 f(x) + x + 2$$

Sequence: A070047
Score: 12.7647
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^4 + x^3 - x^2 + x + 1}{x^6 - 1}$$

Sequence: A070048
Score: 12.5797
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^6 - x^4 + x^3 - x^2 - 1}{-x^8 + 1}$$

Sequence: A070050
Score: 5.21694
Type of gen. func.: ogf

$$(2 f(x) + 19) (8 f(x) x^4 - 20 f(x) x^3 + 18 f(x) x^2 + 8 x^3 - 7 f(x) x - 21 x^2$$

$$+ f(x) + 16 x - 4)$$

Sequence: A070050
Score: 9.14575
Type of gen. func.: ogf

$$-\frac{8x^3 - 21x^2 + 16x - 4}{(x - 1)(2x - 1)^3}$$

Sequence: A070051
Score: 5.91159
Type of gen. func.: ogf

$$-\frac{32x^5 - 140x^4 + 213x^3 - 154x^2 + 55x - 8}{(x - 1)(2x - 1)^5}$$

Sequence: A070052
Score: 4.78367
Type of gen. func.: ogf

$$-\frac{128x^7 - 799x^6 + 1835x^5 - 2199x^4 + 1542x^3 - 647x^2 + 153x - 16}{(x - 1)(2x - 1)^7}$$

Sequence: A070053
Score: 4.02985
Type of gen. func.: ogf

$$-(512x^9 - 4204x^8 + 12965x^7 - 21713x^6 + 22623x^5 - 15536x^4 + 7137x^3 - 2141x^2 + 385x - 32) / ((x - 1)(2x - 1)^9)$$

Sequence: A070071
Score: 17.0916
Type of gen. func.: lgdegf]

$$-a(n) + (n + 1)\,a(n + 1),\ a(0) = 2,\ a(1) = 1$$

Sequence: A070189
Score: 10.8186

Type of gen. func.: revogf

$$\frac{49382716\,x}{\left(12345679 + (152415789971041 + 49382716\,x)^{1/2}\right)^{2}}$$

Sequence: A070189
Score: 14.4717
Type of gen. func.: ogf

$$\frac{12345679\,x}{(x - 1)^{2}}$$

Sequence: A070189
Score: 7.23584
Type of gen. func.: ogf

$$\{a(n + 2) - 2\,a(n + 1) + a(n),\ a(0) = 0,\ a(1) = 12345679\}$$

Sequence: A070189
Score: 78.4351
Type of gen. func.: lgdogf

$$-\frac{2}{x - 1}$$

Sequence: A070189
Score: 9.6478
Type of gen. func.: ogf

$$-f(x)\,x^{2} + 2\,f(x)\,x - f(x) + 12345679\,x$$

Sequence: A070191
Score: 8.10918
Type of gen. func.: lgdogf

```
     21       20        19       18       17    3      2
34 x   + 30 x   - 102 x   - 34 x   + 72 x   + x  + 9 x  + 9 x + 5
-------------------------------------------------------------------
                         20       19       18    2
```

$$(x - 1) (x + 1) (2 x + 2 x - 4 x - x - 4 x - 1)$$

Sequence: A070191
Score: 9.67753
Type of gen. func.: ogf

$$-\frac{2 x^{20} + 2 x^{19} - 4 x^{18} - x^{2} - 4 x - 1}{(x + 1) (x - 1)^{2}}$$

Sequence: A070199
Score: 11.8795
Type of gen. func.: ogf

$$-\frac{10 x^{2} - 9 x - 10}{(x - 1) (10 x^{2} - 1)}$$

Sequence: A070199
Score: 6.22717
Type of gen. func.: ogf

$$-(899 f(x) + 3430) (10 f(x) x^{3} - 10 f(x) x^{2} - f(x) x + 10 x^{2} + f(x) - 9 x - 10)$$

Sequence: A070199
Score: 6.54381
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 10 a(n + 1) - 10 a(n), a(0) = 10, a(1) = 19, a(2) = 109\}$$

Sequence: A070199
Score: 9.48741
Type of gen. func.: lgdogf

$$-\frac{100 x^{4} - 180 x^{3} - 200 x^{2} + 180 x + 19}{(x - 1) (10 x^{2} - 1) (10 x^{2} - 9 x - 10)}$$

Sequence: A070207
Score: 12.2649
Type of gen. func.: ogf

$$\frac{5 x^2 + x - 1}{x^3 + 2 x^2 + 3 x - 1}$$

Sequence: A070207
Score: 12.6719
Type of gen. func.: lgdogf

$$- \frac{5 x^4 + 2 x^3 - 16 x^2 + 6 x - 2}{(5 x^2 + x - 1) (x^3 + 2 x^2 + 3 x - 1)}$$

Sequence: A070207
Score: 6.1831
Type of gen. func.: ogf

$$-(1025 f(x) - 2184) (f(x) x^3 + 2 f(x) x^2 + 3 f(x) x - 5 x^2 - f(x) - x + 1)$$

Sequence: A070207
Score: 6.67996
Type of gen. func.: ogf

$\{-a(n + 3) + 3 a(n + 2) + 2 a(n + 1) + a(n), a(0) = 1, a(1) = 2, a(2) = 3\}$

Sequence: A070212
Score: 12.5291
Type of gen. func.: lgdogf

$$- \frac{5 (x^4 + 2 x^3 + 2 x^2 + 2 x + 2)}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A070212
Score: 24.3385
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^4 + 10]$$

Sequence: A070212
Score: 4.81039
Type of gen. func.: ogf

$$-\frac{x^4 + x^3 + x^2 + x + 1}{(x - 1)^9}$$

Sequence: A070232
Score: 15.4911
Type of gen. func.: ogf

$$\frac{x^5 + 2 x - 4}{2 x - 1}$$

Sequence: A070232
Score: 19.5247
Type of gen. func.: lgdogf

$$\frac{8 x^5 - 5 x^4 + 6}{(2 x - 1) (x^5 + 2 x - 4)}$$

Sequence: A070252
Score: 12.2565
Type of gen. func.: ogf

$$\frac{10 x^2 - 9 x - 10}{10 x^2 - 1}$$

Sequence: A070252
Score: 14.1923
Type of gen. func.: lgdogf

$$\frac{9 (10 x^2 + 20 x + 1)}{(10 x^2 - 1) (10 x^2 - 9 x - 10)}$$

Sequence: A070252
Score: 7.32572
Type of gen. func.: ogf

$$\{-a(n + 3) + 10 a(n + 1), a(0) = 10, a(1) = 9, a(2) = 90\}$$

Sequence: A070252
Score: 7.67876
Type of gen. func.: ogf

$$(110 f(x) - 1091) (10 f(x) x^2 - 10 x^2 - f(x) + 9 x + 10)$$

Sequence: A070260
Score: 11.0959
Type of gen. func.: ogf

$$\frac{x^4 - 6 x^2 - 2 x - 3}{(x + 1)^3 (x - 1)^3}$$

Sequence: A070260
Score: 13.2367
Type of gen. func.: lgdogf

$$- \frac{2 (x^5 - 10 x^3 - 5 x^2 - 15 x - 1)}{(x - 1) (x + 1) (x^4 - 6 x^2 - 2 x - 3)}$$

Sequence: A070260

Score: 6.92311
Type of gen. func.: ogf

$$\{(n + 6) a(n + 1) + (-2 - n) a(n + 3), a(0) = 3, a(1) = 2, a(2) = 15\}$$

Sequence: A070261
Score: 6.32198
Type of gen. func.: ogf

$$\{(n + 8) a(n + 1) + (-2 - n) a(n + 4), a(0) = 4, a(1) = 10, a(2) = 2, a(3) = 28\}$$

Sequence: A070261
Score: 7.82576
Type of gen. func.: lgdogf

$$-\frac{2 x^{9} + 3 x^{8} - 18 x^{6} - 42 x^{5} - 7 x^{4} - 60 x^{3} - 42 x^{2} - 2 x - 5}{(x - 1) (x^{2} + x + 1) (x^{7} + x^{6} - 5 x^{4} - 8 x^{3} - x^{2} - 5 x - 2)}$$

Sequence: A070261
Score: 8.21858
Type of gen. func.: ogf

$$\frac{2 (x^{7} + x^{6} - 5 x^{4} - 8 x^{3} - x^{2} - 5 x - 2)}{(x - 1)^{3} (x^{2} + x + 1)^{3}}$$

Sequence: A070262
Score: 6.61664
Type of gen. func.: ogf

$$\frac{3 x^{10} + x^{9} + 3 x^{8} - 14 x^{6} - 6 x^{5} - 30 x^{4} - 2 x^{3} - 21 x^{2} - 3 x - 5}{(x - 1)^{3} (x + 1)^{3} (x^{2} + 1)^{3}}$$

Sequence: A070302
Score: 11.0574
Type of gen. func.: lgdogf

$$-\frac{x^4 + 32 x^3 + 150 x^2 + 128 x + 19}{(x - 1) (x^4 + 14 x^3 + 36 x^2 + 14 x + 1)}$$

Sequence: A070302
Score: 7.24977
Type of gen. func.: ogf

$$-\frac{x^4 + 14 x^3 + 36 x^2 + 14 x + 1}{(x - 1)^5}$$

Sequence: A070313
Score: 12.1605
Type of gen. func.: ogf

$$-\frac{x (3 x - 1)}{(2 x - 1) (x - 1)^2}$$

Sequence: A070313
Score: 18.1495
Type of gen. func.: lgdogf

$$-\frac{12 x^2 - 9 x + 1}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A070313
Score: 6.24457
Type of gen. func.: ogf

$$-(f(x) - 1) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x + 3 x^2 - f(x) - x)$$

Sequence: A070313
Score: 6.24458
Type of gen. func.: ogf

{-a(n + 3) + 4 a(n + 2) - 5 a(n + 1) + 2 a(n), a(0) = 0, a(1) = -1, a(2) = -1}

Sequence: A070315
Score: 6.16264
Type of gen. func.: lgdogf

$$-\frac{72 x^7 - 300 x^6 + 302 x^5 + 563 x^4 - 964 x^3 + 382 x^2 + 14 x - 21}{(x - 1) (3 x - 1) (2 x - 1) (12 x^5 - 40 x^4 + 39 x^3 + 9 x^2 - 11 x - 1)}$$

Sequence: A070315
Score: 6.16727
Type of gen. func.: ogf

$$-\frac{12 x^5 - 40 x^4 + 39 x^3 + 9 x^2 - 11 x - 1}{(3 x - 1) (2 x - 1)^2 (x - 1)^3}$$

Sequence: A070333
Score: 12.6670
Type of gen. func.: lgdogf

$$-\frac{3 (x^5 + x^4 + x^3 + 3 x^2 + x + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A070333
Score: 25.7064
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + 2 x^2 + 3$$

Sequence: A070333
Score: 9.25817
Type of gen. func.: ogf

$$(x^2 - x + 1) (x + 1)$$

$$\overline{(x^{2} + x + 1)\,(x - 1)^{4}}$$

Sequence: A070335
Score: 7.03334
Type of gen. func.: ogf

$$- (12 x^{10} + 6 x^{9} + 3 x^{8} + 13 x^{7} + 18 x^{6} + 9 x^{5} + 16 x^{4} + 8 x^{3} + 4 x^{2} + 2 x + 1) \Big/ ((x - 1) (x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1))$$

Sequence: A070336
Score: 6.42300
Type of gen. func.: ogf

$$- \frac{13 x^{10} + 6 x^{9} + 3 x^{8} - 11 x^{7} + 7 x^{6} - 9 x^{5} + 8 x^{4} + 4 x^{3} + 2 x^{2} + x + 1}{(x - 1) (x^{2} + 1) (x^{8} - x^{6} + x^{4} - x^{2} + 1)}$$

Sequence: A070337
Score: 6.76393
Type of gen. func.: ogf

$$- \frac{14 x^{9} - 7 x^{8} + 10 x^{7} + 5 x^{6} - 11 x^{5} + 8 x^{4} + 4 x^{3} + 2 x^{2} + x + 1}{(x - 1) (x + 1) (x^{2} - x + 1) (x^{6} - x^{3} + 1)}$$

Sequence: A070338
Score: 6.66778
Type of gen. func.: lgdogf

$$- (17 x^{10} + 16 x^{9} + 4 x^{8} - x^{6} - 66 x^{5} + 56 x^{4} + 24 x^{3} + 10 x^{2} + 4 x + 2) \Big/ ((x - 1) (x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (17 x^{5} + 8 x^{4} + 4 x^{3} + 2 x^{2} + x + 1))$$

Sequence: A070338
Score: 9.65914
Type of gen. func.: ogf

$$-\frac{17x^5+8x^4+4x^3+2x^2+x+1}{(x-1)(x+1)(x^4-x^3+x^2-x+1)}$$

Sequence: A070339
Score: 6.17016
Type of gen. func.: ogf

$$-(18x^{11}+9x^{10}+22x^9+11x^8+23x^7+29x^6+32x^5+16x^4+8x^3+4x^2+2x+1)\Big/((x-1)(x+1)(x^2+x+1)(x^2-x+1)(x^2+1)(x^4-x^2+1))$$

Sequence: A070340
Score: 6.31477
Type of gen. func.: ogf

$$-\frac{20x^8-10x^7-5x^6+17x^5+9x^4+4x^3+2x^2+x+1}{(x-1)(x^2+x+1)(x^2-x+1)(x^4-x^2+1)}$$

Sequence: A070341
Score: 13.1794
Type of gen. func.: ogf

$$-\frac{4x^4+5x^3+9x^2+3x+1}{(x-1)(x^4+x^3+x^2+x+1)}$$

Sequence: A070341
Score: 7.91067
Type of gen. func.: lgdogf

```
             8       7       6       5      4       3       2
```

```
   4 x  + 10 x  + 27 x  + 12 x  + 5 x  + 16 x  + 15 x  + 18 x + 3
- ----------------------------------------------------------------
                4    3    2                4      3      2
   (x - 1) (x  + x  + x  + x + 1) (4 x  + 5 x  + 9 x  + 3 x + 1)
```

Sequence: A070342
Score: 6.80005
Type of gen. func.: ogf

$$-\frac{13x^{9}+4x^{8}-5x^{7}-8x^{6}+10x^{5}-3x^{4}-x^{3}+6x^{2}+2x+1}{(x-1)(x+1)(x^{2}-x+1)(x^{6}-x^{3}+1)}$$

Sequence: A070343
Score: 6.25556
Type of gen. func.: ogf

$$-\frac{17x^{10}-3x^{9}-x^{8}+8x^{7}-14x^{6}+12x^{5}+4x^{4}-7x^{3}+6x^{2}+2x+1}{(x-1)(x^{2}+1)(x^{8}-x^{6}+x^{4}-x^{2}+1)}$$

Sequence: A070345
Score: 6.31781
Type of gen. func.: ogf

$$-(12x^{11}+4x^{10}+13x^{9}+16x^{8}+17x^{7}+29x^{6}+33x^{5}+11x^{4}+27x^{3}+9x^{2}+3x+1)\,/\,((x-1)(x+1)(x^{2}+x+1)(x^{2}-x+1)(x^{2}+1)(x^{4}-x^{2}+1))$$

Sequence: A070346
Score: 6.66634
Type of gen. func.: ogf

$$-\frac{25x^{9}+8x^{8}-22x^{7}+5x^{6}+14x^{5}-20x^{4}+18x^{3}+6x^{2}+2x+1}{(x-1)(x+1)(x^{2}-x+1)(x^{6}-x^{3}+1)}$$

Sequence: A070347
Score: 10.1964
Type of gen. func.: ogf

$$-\frac{11 x^4 + 5 x^3 + 3 x^2 + x + 1}{(x^2 - x + 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A070347
Score: 5.99037
Type of gen. func.: ogf

$$-f(x) (f(x) x^5 - f(x) x^4 + f(x) x^3 + 11 x^4 - f(x) x^2 + 5 x^3 + f(x) x + 3 x^2 - f(x) + x + 1)$$

Sequence: A070347
Score: 8.78935
Type of gen. func.: lgdogf

$$-\frac{11 x^8 + 10 x^7 - 7 x^6 + 20 x^5 - 23 x^4 + 32 x^3 + 14 x^2 + 4 x + 2}{(x - 1) (x^2 + x + 1) (x^2 - x + 1) (11 x^4 + 5 x^3 + 3 x^2 + x + 1)}$$

Sequence: A070348
Score: 6.91061
Type of gen. func.: ogf

$$-\frac{21 x^{10} + 10 x^9 + 5 x^8 - 18 x^7 - 9 x^6 + 16 x^5 + 8 x^4 + 4 x^3 + 2 x^2 + x + 1}{(x - 1) (x^2 + 1) (x^8 - x^6 + x^4 - x^2 + 1)}$$

Sequence: A070349
Score: 8.77115
Type of gen. func.: ogf

$$-\frac{22 x^7 - 11 x^6 + 16 x^5 + 8 x^4 + 4 x^3 + 2 x^2 + x + 1}{(x - 1) (x + 1) (x^6 - x^5 + x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A070350
Score: 7.13739
Type of gen. func.: ogf

$$-(23x^{11}+34x^{10}+17x^9+31x^8+38x^7+19x^6+32x^5+16x^4+8x^3+4x^2+2x+1) \Big/ \left((x-1)(x+1)(x^2+x+1)(x^2-x+1)(x^2+1)(x^4-x^2+1)\right)$$

Sequence: A070352
Score: 15.5098
Type of gen. func.: ogf

$$-\frac{2x^2+2x+1}{(x-1)(x^2+1)}$$

Sequence: A070352
Score: 17.8392
Type of gen. func.: lgdogf

$$-\frac{2x^4+4x^3-x^2+2x+3}{(x-1)(x^2+1)(2x^2+2x+1)}$$

Sequence: A070352
Score: 8.15603
Type of gen. func.: ogf

$$-(3f(x)+13)(f(x)x^3-f(x)x^2+f(x)x+2x^2-f(x)+2x+1)$$

Sequence: A070352
Score: 8.44732
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 3, a(2) = 4}

Sequence: A070353
Score: 15.7125
Type of gen. func.: ogf

$$-\frac{5x^2+x+1}{(x-1)(x^2-x+1)}$$

Sequence: A070353
Score: 17.4159
Type of gen. func.: lgdogf

$$-\frac{5x^4+2x^3-9x^2+6x+3}{(x-1)(x^2-x+1)(5x^2+x+1)}$$

Sequence: A070353
Score: 8.19196
Type of gen. func.: ogf

$$-(7 f(x) + 425) (f(x) x^3 - 2 f(x) x^2 + 2 f(x) x + 5 x^2 - f(x) + x + 1)$$

Sequence: A070353
Score: 8.55768
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 3, a(2) = 9}

Sequence: A070354
Score: 10.7968
Type of gen. func.: ogf

{-a(n + 4) + a(n), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 11}

Sequence: A070354

Score: 11.1734
Type of gen. func.: ogf

$$(11 f(x) + 51) (f(x) x^4 + 11 x^3 + 9 x^2 - f(x) + 3 x + 1)$$

Sequence: A070354
Score: 11.3588
Type of gen. func.: lgdogf

$$-\frac{11 x^6 + 18 x^5 + 9 x^4 + 4 x^3 + 33 x^2 + 18 x + 3}{(x - 1) (x + 1) (11 x^3 + 9 x^2 + 3 x + 1) (x^2 + 1)}$$

Sequence: A070354
Score: 16.5674
Type of gen. func.: ogf

$$-\frac{11 x^3 + 9 x^2 + 3 x + 1}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A070355
Score: 14.6276
Type of gen. func.: ogf

$$-\frac{15 x^4 + 5 x^3 + 9 x^2 + 3 x + 1}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A070355
Score: 8.77044
Type of gen. func.: lgdogf

$$-\frac{15 x^8 + 10 x^7 + 27 x^6 + 12 x^5 + 5 x^4 + 60 x^3 + 15 x^2 + 18 x + 3}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (15 x^4 + 5 x^3 + 9 x^2 + 3 x + 1)}$$

Sequence: A070356
Score: 7.93882
Type of gen. func.: ogf

$$-\left(8 x^{10} + 18 x^{9} + 6 x^{8} + 2 x^{7} + 16 x^{6} + 13 x^{5} + 12 x^{4} + 4 x^{3} + 9 x^{2} + 3 x + 1\right) \Big/ \left((x - 1) (x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)\right)$$

Sequence: A070357
Score: 11.3785
Type of gen. func.: lgdogf

$$-\frac{19 x^{6} + 12 x^{5} - 38 x^{3} + 48 x^{2} + 12 x + 3}{(x - 1) (x + 1) (x^{2} - x + 1) (19 x^{3} + 6 x^{2} + 2 x + 1)}$$

Sequence: A070357
Score: 13.2565
Type of gen. func.: ogf

$$-\frac{19 x^{3} + 6 x^{2} + 2 x + 1}{(x - 1) (x + 1) (x^{2} - x + 1)}$$

Sequence: A070357
Score: 7.99963
Type of gen. func.: ogf

$$-f(x) (f(x) x^{4} - f(x) x^{3} + 19 x^{3} + f(x) x + 6 x^{2} - f(x) + 2 x + 1)$$

Sequence: A070358
Score: 9.76153
Type of gen. func.: ogf

$$-\frac{11 x^{7} + 25 x^{6} + 19 x^{5} + 17 x^{4} + 27 x^{3} + 9 x^{2} + 3 x + 1}{(x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1)}$$

Sequence: A070359
Score: 8.03412
Type of gen. func.: ogf

$$-\frac{23x^8 - 4x^7 + 10x^6 - 8x^5 - 14x^4 + 18x^3 + 6x^2 + 2x + 1}{(x - 1)(x^8 + 1)}$$

Sequence: A070360
Score: 7.41626
Type of gen. func.: ogf

$$-\frac{13x^9 + 4x^8 + 14x^7 - 8x^6 + 10x^5 - 22x^4 + 18x^3 + 6x^2 + 2x + 1}{(x - 1)(x + 1)(x^2 - x + 1)(x^6 - x^3 + 1)}$$

Sequence: A070361
Score: 11.6150
Type of gen. func.: ogf

$$-\frac{14x^4 + 18x^3 + 6x^2 + 2x + 1}{(x - 1)(x^4 + 1)}$$

Sequence: A070361
Score: 7.58334
Type of gen. func.: ogf

$$f(x)\,(f(x)\,x^5 - f(x)\,x^4 + 14x^4 + 18x^3 + f(x)\,x + 6x^2 - f(x) + 2x + 1)$$

Sequence: A070361
Score: 9.78377
Type of gen. func.: lgdogf

$$-\frac{14x^8 + 36x^7 - 4x^5 - 43x^4 + 16x^3 + 48x^2 + 12x + 3}{(x - 1)(14x^4 + 18x^3 + 6x^2 + 2x + 1)(x^4 + 1)}$$

Sequence: A070362
Score: 8.25543
Type of gen. func.: ogf

$$-\frac{15x^{9}+5x^{8}+31x^{7}+25x^{6}+23x^{5}+37x^{4}+27x^{3}+9x^{2}+3x+1}{(x-1)(x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)}$$

Sequence: A070363
Score: 7.39393
Type of gen. func.: ogf

$$-(31x^{10}+41x^{9}+29x^{8}+25x^{7}+39x^{6}+13x^{5}+35x^{4}+27x^{3}+9x^{2}+3x+1) \Big/ ((x-1)(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1))$$

Sequence: A070365
Score: 11.5955
Type of gen. func.: lgdogf

$$-\frac{3x^{6}-2x^{5}+13x^{4}-10x^{3}+7x^{2}-2x+5}{(x-1)(x+1)(x^{2}-x+1)(3x^{3}-x^{2}+4x+1)}$$

Sequence: A070365
Score: 13.7116
Type of gen. func.: ogf

$$-\frac{3x^{3}-x^{2}+4x+1}{(x-1)(x+1)(x^{2}-x+1)}$$

Sequence: A070365
Score: 7.69187
Type of gen. func.: ogf

$$-(f(x)+9)(f(x)x^{4}-f(x)x^{3}+3x^{3}+f(x)x-x^{2}-f(x)+4x+1)$$

```
------------------------------------------------------------------------------

Sequence:  A070366
Score: 12.3124
Type of gen. func.: lgdogf


                       6      5       4      3    2
                    2 x  + 4 x  + 10 x  - 8 x  + x  + 4 x + 5
             - -----------------------------------------------------
                                 2              3      2
               (x - 1) (x + 1) (x  - x + 1) (2 x  + 2 x  + 4 x + 1)



------------------------------------------------------------------------------

Sequence:  A070366
Score: 14.3666
Type of gen. func.: ogf


                                 3      2
                              2 x  + 2 x  + 4 x + 1
                         - -----------------------------
                                             2
                           (x - 1) (x + 1) (x  - x + 1)



------------------------------------------------------------------------------

Sequence:  A070366
Score: 8.0593
Type of gen. func.: ogf


                       4         3      3               2
    -(f(x) - 9) (f(x) x  - f(x) x  + 2 x  + f(x) x + 2 x  - f(x) + 4 x + 1)



------------------------------------------------------------------------------

Sequence:  A070367
Score: 14.5554
Type of gen. func.: ogf


                              4      3      2
                           9 x  + 4 x  + 3 x  + 5 x + 1
                        - -------------------------------
                                    4    3    2
                          (x - 1) (x  + x  + x  + x + 1)



------------------------------------------------------------------------------

Sequence:  A070367
Score: 9.00621
Type of gen. func.: lgdogf


              8      7      6       5      4       3       2
           9 x  + 8 x  + 9 x  + 20 x  + 5 x  + 36 x  + 12 x  + 6 x + 5
        - --------------------------------------------------------------
                    4    3    2              4      3      2
```

$$(x - 1) (x + x + x + x + 1) (9 x + 4 x + 3 x + 5 x + 1)$$

Sequence: A070368
Score: 15.7526
Type of gen. func.: ogf

$$- \frac{8 x^2 + 4 x + 1}{(x - 1) (x^2 + 1)}$$

Sequence: A070368
Score: 17.1415
Type of gen. func.: lgdogf

$$- \frac{8 x^4 + 8 x^3 - 9 x^2 + 14 x + 5}{(x - 1) (x^2 + 1) (8 x^2 + 4 x + 1)}$$

Sequence: A070368
Score: 8.50364
Type of gen. func.: ogf

$$(f(x) - 529) (f(x) x^3 - f(x) x^2 + f(x) x + 8 x^2 - f(x) + 4 x + 1)$$

Sequence: A070368
Score: 8.50364
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 5, a(2) = 12\}$$

Sequence: A070369
Score: 15.7125
Type of gen. func.: ogf

$$- \frac{3 x^2 + 3 x + 1}{(x - 1) (x^2 - x + 1)}$$

Sequence: A070369
Score: 16.7939
Type of gen. func.: lgdogf

$$-\frac{3 x^4 + 6 x^3 - 9 x^2 + 2 x + 5}{(x - 1) (x^2 - x + 1) (3 x^2 + 3 x + 1)}$$

Sequence: A070369
Score: 8.48195
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 5, a(2) = 11\}$$

Sequence: A070369
Score: 8.55767
Type of gen. func.: ogf

$$(9 f(x) - 65) (f(x) x^3 - 2 f(x) x^2 + 2 f(x) x + 3 x^2 - f(x) + 3 x + 1)$$

Sequence: A070370
Score: 10.5595
Type of gen. func.: ogf

$$-(94 f(x) + 967) (f(x) x^4 + 13 x^3 + 9 x^2 - f(x) + 5 x + 1)$$

Sequence: A070370
Score: 11.2236
Type of gen. func.: lgdogf

$$-\frac{13 x^6 + 18 x^5 + 15 x^4 + 4 x^3 + 39 x^2 + 18 x + 5}{(x - 1) (x + 1) (x^2 + 1) (13 x^3 + 9 x^2 + 5 x + 1)}$$

Sequence: A070370
Score: 16.5674
Type of gen. func.: ogf

$$-\frac{13x^3+9x^2+5x+1}{(x-1)(x+1)(x^2+1)}$$

Sequence: A070371
Score: 8.58475
Type of gen. func.: ogf

$$-\frac{7x^8+8x^7-12x^6+x^5+7x^4-2x^3+3x^2+4x+1}{(x-1)(x^8+1)}$$

Sequence: A070372
Score: 10.7092
Type of gen. func.: lgdogf

$$-\frac{11x^6+4x^5+10x^4-26x^3+28x^2+4x+5}{(x-1)(x+1)(x^2-x+1)(11x^3+2x^2+4x+1)}$$

Sequence: A070372
Score: 13.2565
Type of gen. func.: ogf

$$-\frac{11x^3+2x^2+4x+1}{(x-1)(x+1)(x^2-x+1)}$$

Sequence: A070372
Score: 7.6062
Type of gen. func.: ogf

$$(6f(x)-157)(f(x)x^4-f(x)x^3+11x^3+f(x)x+2x^2-f(x)+4x+1)$$

Sequence: A070373
Score: 9.47103

Type of gen. func.: ogf

$$-\frac{4x^8+16x^7+7x^6+9x^5+17x^4+11x^3+6x^2+5x+1}{(x-1)(x^2+x+1)(x^6+x^3+1)}$$

Sequence: A070374
Score: 10.9672
Type of gen. func.: lgdogf

$$-\frac{17x^6-2x^5+13x^4-38x^3+49x^2-2x+5}{(x-1)(x+1)(x^2-x+1)(17x^3-x^2+4x+1)}$$

Sequence: A070374
Score: 13.2565
Type of gen. func.: ogf

$$-\frac{17x^3-x^2+4x+1}{(x-1)(x+1)(x^2-x+1)}$$

Sequence: A070374
Score: 7.42365
Type of gen. func.: ogf

$$-(2f(x)-29)(f(x)x^4-f(x)x^3+17x^3+f(x)x-x^2-f(x)+4x+1)$$

Sequence: A070375
Score: 14.4559
Type of gen. func.: ogf

$$-\frac{9x^4+15x^3+3x^2+5x+1}{(x-1)(x^4+x^3+x^2+x+1)}$$

Sequence: A070375

Score: 8.91350
Type of gen. func.: lgdogf

$$-\frac{9x^8+30x^7+9x^6+20x^5+5x^4+36x^3+45x^2+6x+5}{(x-1)(x^4+x^3+x^2+x+1)(9x^4+15x^3+3x^2+5x+1)}$$

Sequence: A070376
Score: 15.2220
Type of gen. func.: ogf

$$-\frac{21x^2+4x+1}{(x-1)(x^2+1)}$$

Sequence: A070376
Score: 15.9662
Type of gen. func.: lgdogf

$$-\frac{21x^4+8x^3-22x^2+40x+5}{(x-1)(x^2+1)(21x^2+4x+1)}$$

Sequence: A070376
Score: 7.998
Type of gen. func.: ogf

$$-(3f(x)-103)(f(x)x^3-f(x)x^2+f(x)x+21x^2-f(x)+4x+1)$$

Sequence: A070376
Score: 8.35190
Type of gen. func.: ogf

$$\{a(n+3)-a(n+2)+a(n+1)-a(n),\ a(0)=1,\ a(1)=5,\ a(2)=25\}$$

Sequence: A070377
Score: 7.49925
Type of gen. func.: ogf

$$-\frac{11x^9+2x^8-5x^7-x^6+16x^5-13x^4-8x^3+20x^2+4x+1}{(x-1)(x+1)(x^2-x+1)(x^6-x^3+1)}$$

Sequence: A070378
Score: 8.20073
Type of gen. func.: lgdogf

$$-\frac{17x^8-16x^7+54x^6+8x^5-45x^4+88x^3-46x^2+40x+5}{(x-1)(x^2+x+1)(x^2-x+1)(17x^4-8x^3+21x^2+4x+1)}$$

Sequence: A070378
Score: 9.76796
Type of gen. func.: ogf

$$-\frac{17x^4-8x^3+21x^2+4x+1}{(x^2-x+1)(x-1)(x^2+x+1)}$$

Sequence: A070379
Score: 9.04488
Type of gen. func.: ogf

$$-\frac{6x^7+x^6+6x^5+7x^4-16x^3+20x^2+4x+1}{(x-1)(x+1)(x^6-x^5+x^4-x^3+x^2-x+1)}$$

Sequence: A070380
Score: 9.76153
Type of gen. func.: ogf

$$-\frac{13x^7+9x^6+21x^5+17x^4+29x^3+25x^2+5x+1}{(x-1)(x+1)(x^2+1)(x^4+1)}$$

Sequence: A070381
Score: 8.11101
Type of gen. func.: ogf

$$-\frac{20x^9+4x^8+14x^7+16x^6+23x^5+31x^4+26x^3+25x^2+5x+1}{(x-1)(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)}$$

Sequence: A070382
Score: 7.97161
Type of gen. func.: ogf

$$-\frac{7x^8+8x^7-12x^6+18x^5-10x^4-2x^3+20x^2+4x+1}{(x-1)(x^8+1)}$$

Sequence: A070383
Score: 11.9385
Type of gen. func.: ogf

$$-\frac{29x^5+13x^4+17x^3+25x^2+5x+1}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A070385
Score: 9.04739
Type of gen. func.: ogf

$$-\frac{23x^8+35x^7+7x^6+9x^5+17x^4+11x^3+25x^2+5x+1}{(x-1)(x^2+x+1)(x^6+x^3+1)}$$

Sequence: A070386
Score: 10.7968
Type of gen. func.: ogf

$$\{a(n+4) - a(n), a(0) = 1, a(1) = 5, a(2) = 25, a(3) = 8\}$$

Sequence: A070386
Score: 11.045
Type of gen. func.: ogf

$$(58 f(x) - 461) (f(x) x^4 + 8 x^3 + 25 x^2 - f(x) + 5 x + 1)$$

Sequence: A070386
Score: 11.3588
Type of gen. func.: lgdogf

$$- \frac{8 x^6 + 50 x^5 + 15 x^4 + 4 x^3 + 24 x^2 + 50 x + 5}{(x - 1) (x + 1) (x^2 + 1) (8 x^3 + 25 x^2 + 5 x + 1)}$$

Sequence: A070386
Score: 16.5674
Type of gen. func.: ogf

$$- \frac{8 x^3 + 25 x^2 + 5 x + 1}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A070387
Score: 6.85865
Type of gen. func.: ogf

$$- (33 x^{10} - 10 x^9 - 2 x^8 + 16 x^7 - 5 x^6 - x^5 + 8 x^4 - 23 x^3 + 20 x^2 + 4 x + 1) / ((x - 1) (x^2 + 1) (x^8 - x^6 + x^4 - x^2 + 1))$$

Sequence: A070388
Score: 14.8269
Type of gen. func.: ogf

$$- \frac{17 x^2 + 3 x + 1}{(x - 1) (x^2 - x + 1)}$$

Sequence: A070388
Score: 15.0306
Type of gen. func.: lgdogf

$$-\frac{17 x^4 + 6 x^3 - 37 x^2 + 30 x + 5}{(x - 1) (x^2 - x + 1) (17 x^2 + 3 x + 1)}$$

Sequence: A070388
Score: 8.13509
Type of gen. func.: ogf

$$(8 f(x) - 83) (f(x) x^3 - 2 f(x) x^2 + 2 f(x) x + 17 x^2 - f(x) + 3 x + 1)$$

Sequence: A070388
Score: 8.13510
Type of gen. func.: ogf

$\{a(n + 3) - 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 5, a(2) = 25\}$

Sequence: A070390
Score: 14.0643
Type of gen. func.: ogf

$$-\frac{9 x^4 + 37 x^3 + 25 x^2 + 5 x + 1}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A070390
Score: 8.48113
Type of gen. func.: lgdogf

$$-\frac{9 x^8 + 74 x^7 + 75 x^6 + 20 x^5 + 5 x^4 + 36 x^3 + 111 x^2 + 50 x + 5}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (9 x^4 + 37 x^3 + 25 x^2 + 5 x + 1)}$$

Sequence: A070391

Score: 4.57784
Type of gen. func.: ogf

$$-\left(37 x^{10} - 39 x^{9} + 11 x^{8} + 11 x^{7} - 25 x^{6} + 13 x^{5} + 3 x^{4} - 9 x^{3} + 17 x^{2} + 3 x + 1\right) \Big/ \left((x - 1) (x^{10} - x^{9} + x^{8} - x^{7} + x^{6} - x^{5} + x^{4} - x^{3} + x^{2} - x + 1)\right)$$

Sequence: A070392
Score: 6.35568
Type of gen. func.: lgdogf

$$-\left(2 x^{10} + 4 x^{9} + 10 x^{8} - 20 x^{7} + 34 x^{6} - 22 x^{5} - x^{4} + 15 x^{2} - 6 x + 6\right) \Big/ \Big((x - 1) (x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (2 x^{5} + 2 x^{4} + 4 x^{3} - 3 x^{2} + 5 x + 1)\Big)$$

Sequence: A070392
Score: 9.33079
Type of gen. func.: ogf

$$-\frac{2 x^{5} + 2 x^{4} + 4 x^{3} - 3 x^{2} + 5 x + 1}{(x - 1) (x + 1) (x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A070393
Score: 10.2225
Type of gen. func.: ogf

$$-\frac{11 x^{6} - 7 x^{5} + x^{4} - 2 x^{3} + 4 x^{2} + 5 x + 1}{(x^{4} - x^{2} + 1) (x - 1) (x^{2} + 1)}$$

Sequence: A070394
Score: 8.54425
Type of gen. func.: ogf

$$3 x^{8} + 6 x^{7} + x^{6} + 3 x^{5} - 8 x^{4} + 10 x^{3} - 4 x^{2} + 5 x + 1$$

```
           - -------------------------------------------------------
                                          8
                                (x - 1) (x  + 1)



------------------------------------------------------------------------------

Sequence:  A070395
Score: 9.42614
Type of gen. func.: ogf


               8      7       6      5      4      3       2
           16 x  + 9 x  + 11 x  + 5 x  + 4 x  + 7 x  + 17 x  + 6 x + 1
         - -----------------------------------------------------------
                                 2            6    3
                       (x - 1) (x  + x + 1) (x  + x  + 1)



------------------------------------------------------------------------------

Sequence:  A070396
Score: 7.93882
Type of gen. func.: ogf


      10       9       8      7       6      5      4      3       2
- (4 x   + 16 x  + 18 x  + 3 x  + 12 x  + 2 x  + 8 x  + 9 x  + 13 x  + 6 x + 1)

       /            10    9    8    7    6    5    4    3    2
      /  ((x - 1) (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1))
     /



------------------------------------------------------------------------------

Sequence:  A070397
Score: 13.3654
Type of gen. func.: ogf


                             4       3       2
                         21 x  + 16 x  + 11 x  + 6 x + 1
                       - -------------------------------
                                   4    3    2
                         (x - 1) (x  + x  + x  + x + 1)



------------------------------------------------------------------------------

Sequence:  A070397
Score: 8.10334
Type of gen. func.: lgdogf


             8       7       6       5      4       3       2
         21 x  + 32 x  + 33 x  + 24 x  + 5 x  + 84 x  + 48 x  + 22 x + 6
       - ----------------------------------------------------------------
                      4       3       2              4    3    2
         (x - 1) (21 x  + 16 x  + 11 x  + 6 x + 1) (x  + x  + x  + x + 1)



------------------------------------------------------------------------------

Sequence:  A070398
Score: 9.04488
```

Type of gen. func.: ogf

$$-\frac{5x^7+20x^6-16x^5+7x^4+6x^3+x^2+5x+1}{(x-1)(x+1)(x^6-x^5+x^4-x^3+x^2-x+1)}$$

Sequence: A070399
Score: 11.3785
Type of gen. func.: lgdogf

$$-\frac{2(13x^6-x^5+8x^4-29x^3+38x^2-x+3)}{(x-1)(x+1)(x^2-x+1)(26x^3-x^2+5x+1)}$$

Sequence: A070399
Score: 13.2565
Type of gen. func.: ogf

$$-\frac{26x^3-x^2+5x+1}{(x-1)(x+1)(x^2-x+1)}$$

Sequence: A070399
Score: 7.36473
Type of gen. func.: ogf

$$-(5f(x)-118)(f(x)x^4-f(x)x^3+26x^3+f(x)x-x^2-f(x)+5x+1)$$

Sequence: A070400
Score: 15.2220
Type of gen. func.: ogf

$$-\frac{31x^2+5x+1}{(x-1)(x^2+1)}$$

Sequence: A070400

Score: 15.6956
Type of gen. func.: lgdogf

$$-\frac{31 x^4 + 10 x^3 - 33 x^2 + 60 x + 6}{(x - 1) (x^2 + 1) (31 x^2 + 5 x + 1)}$$

Sequence: A070400
Score: 8.06636
Type of gen. func.: ogf

$$-(f(x) - 46) (f(x) x^3 - f(x) x^2 + f(x) x + 31 x^2 - f(x) + 5 x + 1)$$

Sequence: A070400
Score: 8.35190
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 6, a(2) = 36}

Sequence: A070402
Score: 11.1381
Type of gen. func.: ogf

$$f(x) x^3 - f(x) x^2 + f(x) x + 3 x^2 - f(x) + x + 1$$

Sequence: A070402
Score: 16.2507
Type of gen. func.: ogf

$$-\frac{3 x^2 + x + 1}{(x - 1) (x^2 + 1)}$$

Sequence: A070402
Score: 19.4536
Type of gen. func.: lgdogf

$$3 x^4 + 2 x^3 - x^2 + 4 x + 2$$

$$- \frac{}{(x - 1) (x^2 + 1) (3 x^2 + x + 1)}$$

Sequence: A070402

Score: 8.85083

Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A070403

Score: 12.8739

Type of gen. func.: ogf

$$(19 f(x) - 93) (f(x) x^3 + 4 x^2 - f(x) + 7 x + 1)$$

Sequence: A070403

Score: 13.0433

Type of gen. func.: ogf

$$\{a(n + 3) - a(n), a(0) = 1, a(1) = 7, a(2) = 4\}$$

Sequence: A070403

Score: 17.0645

Type of gen. func.: lgdogf

$$- \frac{4 x^4 + 14 x^3 + 3 x^2 + 8 x + 7}{(x - 1) (x^2 + x + 1) (4 x^2 + 7 x + 1)}$$

Sequence: A070403

Score: 20.2305

Type of gen. func.: ogf

$$- \frac{4 x^2 + 7 x + 1}{(x - 1) (x^2 + x + 1)}$$

Sequence: A070404
Score: 11.4067
Type of gen. func.: ogf

$$-\frac{8 x^5 + x^4 - 3 x^3 - 2 x^2 + 6 x + 1}{(x - 1) (x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A070404
Score: 7.43117
Type of gen. func.: lgdogf

$$-(8 x^{10} + 2 x^9 - 10 x^8 - 2 x^7 + 36 x^6 - 50 x^5 + 32 x^4 + 10 x^3 - 7 x^2 - 4 x + 7) \Big/ ((x - 1) (x + 1) (x^4 - x^3 + x^2 - x + 1) (8 x^5 + x^4 - 3 x^3 - 2 x^2 + 6 x + 1))$$

Sequence: A070405
Score: 10.1373
Type of gen. func.: ogf

$$-\frac{2 x^6 + 2 x^5 + 4 x^4 - 5 x^3 + 3 x^2 + 6 x + 1}{(x^4 - x^2 + 1) (x - 1) (x^2 + 1)}$$

Sequence: A070406
Score: 11.045
Type of gen. func.: ogf

$$(18 f(x) + 143) (f(x) x^4 + 13 x^3 + 4 x^2 - f(x) + 7 x + 1)$$

Sequence: A070406
Score: 11.4973
Type of gen. func.: lgdogf

$$-\frac{13 x^6 + 8 x^5 + 21 x^4 + 4 x^3 + 39 x^2 + 8 x + 7}{}$$

$$(x - 1) (x + 1) (x + 1) (13 x + 4 x + 7 x + 1)$$

Sequence: A070406
Score: 16.5674
Type of gen. func.: ogf

$$-\frac{13 x^3 + 4 x^2 + 7 x + 1}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A070407
Score: 8.58475
Type of gen. func.: ogf

$$-\frac{5 x^8 + 3 x^7 - 2 x^6 + 7 x^5 + x^4 - 12 x^3 + 8 x^2 + 6 x + 1}{(x - 1) (x^8 + 1)}$$

Sequence: A070408
Score: 10.7969
Type of gen. func.: ogf

$$-\frac{19 x^5 - 10 x^4 + 8 x^3 - 2 x^2 + 6 x + 1}{(x - 1) (x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A070409
Score: 6.52643
Type of gen. func.: ogf

$$- (10 x^{11} - 2 x^{10} + 3 x^9 + 7 x^8 + x^7 - 13 x^6 + 8 x^5 - 12 x^4 + 18 x^3 - 4 x^2 + 6 x + 1) / ((x - 1) (x + 1) (x^{10} - x^9 + x^8 - x^7 + x^6 - x^5 + x^4 - x^3 + x^2 - x + 1))$$

Sequence: A070410

Score: 15.2220
Type of gen. func.: ogf

$$-\frac{18 x^2 + 6 x + 1}{(x - 1) (x^2 + 1)}$$

Sequence: A070410
Score: 16.2463
Type of gen. func.: lgdogf

$$-\frac{(6 x^2 - 8 x + 7) (3 x^2 + 6 x + 1)}{(x - 1) (x^2 + 1) (18 x^2 + 6 x + 1)}$$

Sequence: A070410
Score: 8.06636
Type of gen. func.: ogf

$$(109 f(x) - 5869) (f(x) x^3 - f(x) x^2 + f(x) x + 18 x^2 - f(x) + 6 x + 1)$$

Sequence: A070410
Score: 8.35190
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 7, a(2) = 24\}$$

Sequence: A070411
Score: 9.65864
Type of gen. func.: ogf

$$-\frac{15 x^6 + 2 x^5 + 4 x^4 - 18 x^3 + 16 x^2 + 6 x + 1}{(x^4 - x^2 + 1) (x - 1) (x^2 + 1)}$$

Sequence: A070412
Score: 8.92491
Type of gen. func.: ogf

$$-\frac{4x^8+16x^7+10x^6+13x^5+25x^4+19x^3+22x^2+7x+1}{(x-1)(x^2+x+1)(x^6+x^3+1)}$$

Sequence: A070413
Score: 10.7080
Type of gen. func.: ogf

$$-\frac{25x^6+16x^5+23x^4+24x^3+20x^2+7x+1}{(x-1)(x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A070414
Score: 15.2220
Type of gen. func.: ogf

$$-\frac{13x^2+6x+1}{(x-1)(x^2+1)}$$

Sequence: A070414
Score: 15.6956
Type of gen. func.: lgdogf

$$-\frac{13x^4+12x^3-16x^2+24x+7}{(x-1)(x^2+1)(13x^2+6x+1)}$$

Sequence: A070414
Score: 8.27863
Type of gen. func.: ogf

$$(5f(x)-554)(f(x)x^3-f(x)x^2+f(x)x+13x^2-f(x)+6x+1)$$

Sequence: A070414
Score: 8.35190
Type of gen. func.: ogf

$$\{a(n+3) - a(n+2) + a(n+1) - a(n),\ a(0) = 1,\ a(1) = 7,\ a(2) = 19\}$$

Sequence: A070416
Score: 10.4863
Type of gen. func.: ogf

$$\{-a(n+4) + a(n),\ a(0) = 1,\ a(1) = 7,\ a(2) = 17,\ a(3) = 23\}$$

Sequence: A070416
Score: 10.8946
Type of gen. func.: lgdogf

$$-\frac{23 x^6 + 34 x^5 + 21 x^4 + 4 x^3 + 69 x^2 + 34 x + 7}{(x - 1) (x + 1) (x^2 + 1) (23 x^3 + 17 x^2 + 7 x + 1)}$$

Sequence: A070416
Score: 10.974
Type of gen. func.: ogf

$$(3 f(x) + 50) (f(x) x^4 + 23 x^3 + 17 x^2 - f(x) + 7 x + 1)$$

Sequence: A070416
Score: 15.9960
Type of gen. func.: ogf

$$-\frac{23 x^3 + 17 x^2 + 7 x + 1}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A070417
Score: 5.59632
Type of gen. func.: ogf

$$-\frac{19 x^8 + 12 x^7 + 16 x^6 - 12 x^5 + 22 x^4 + 3 x^3 + 10 x^2 + 6 x + 1}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A070419
Score: 11.9385
Type of gen. func.: ogf

$$-\frac{31 x^5 + 25 x^4 + 19 x^3 + 13 x^2 + 7 x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A070420
Score: 8.88261
Type of gen. func.: ogf

$$-\frac{16 x^8 + 34 x^7 + 26 x^6 + 9 x^5 + 33 x^4 + 10 x^3 + 12 x^2 + 7 x + 1}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A070421
Score: 11.5477
Type of gen. func.: ogf

$$-(11 f(x) + 130) (f(x) x^3 + 11 x^2 - f(x) + 7 x + 1)$$

Sequence: A070421
Score: 12.4475
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n), a(0) = 1, a(1) = 7, a(2) = 11\}$$

Sequence: A070421
Score: 15.6743
Type of gen. func.: lgdogf

$$-\frac{11 x^4 + 14 x^3 + 3 x^2 + 22 x + 7}{(x - 1) (x^2 + x + 1) (11 x^2 + 7 x + 1)}$$

Sequence: A070421
Score: 19.1692
Type of gen. func.: ogf

$$-\frac{11 x^{2} + 7 x + 1}{(x - 1) (x^{2} + x + 1)}$$

Sequence: A070422
Score: 6.39010
Type of gen. func.: ogf

$$-\frac{28 x^{9} + 4 x^{8} + 6 x^{7} + 12 x^{6} + 13 x^{5} + 13 x^{4} + 24 x^{3} + 9 x^{2} + 7 x + 1}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1)}$$

Sequence: A070423
Score: 10.5595
Type of gen. func.: ogf

$$-(22 f(x) + 559) (f(x) x^{4} + 23 x^{3} + 9 x^{2} - f(x) + 7 x + 1)$$

Sequence: A070423
Score: 11.2236
Type of gen. func.: lgdogf

$$-\frac{23 x^{6} + 18 x^{5} + 21 x^{4} + 4 x^{3} + 69 x^{2} + 18 x + 7}{(x - 1) (x + 1) (x^{2} + 1) (23 x^{3} + 9 x^{2} + 7 x + 1)}$$

Sequence: A070423
Score: 16.5674
Type of gen. func.: ogf

$$-\frac{23 x^{3} + 9 x^{2} + 7 x + 1}{(x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A070425
Score: 10.8367
Type of gen. func.: lgdogf

$$-\frac{37 x^6 - 2 x^5 + 19 x^4 - 82 x^3 + 109 x^2 - 2 x + 7}{(x - 1) (x + 1) (x^2 - x + 1) (37 x^3 - x^2 + 6 x + 1)}$$

Sequence: A070425
Score: 13.2565
Type of gen. func.: ogf

$$-\frac{37 x^3 - x^2 + 6 x + 1}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A070425
Score: 7.36473
Type of gen. func.: ogf

$$-(3 f(x) - 104) (f(x) x^4 - f(x) x^3 + 37 x^3 + f(x) x - x^2 - f(x) + 6 x + 1)$$

Sequence: A070426
Score: 10.5069
Type of gen. func.: ogf

$$-\frac{19 x^5 - 10 x^4 + 30 x^3 - 2 x^2 + 6 x + 1}{(x - 1) (x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A070427
Score: 6.83799
Type of gen. func.: ogf

$$- (13 x^{11} + 34 x^{10} + 37 x^9 + 31 x^8 + 43 x^7 + 19 x^6 + 22 x^5 + 16 x^4 + 28 x^3 + 4 x^2 + 7 x + 1) / ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1))$$

$$(x^4 - x^2 + 1))$$

Sequence: A070430
Score: 11.3127
Type of gen. func.: lgdogf

$$-\frac{2 x^7 + 12 x^6 + 16 x^5 + 5 x^4 + 3 x^2 + 8 x + 4}{(x - 1) (x + 1) (x^2 + 3 x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A070430
Score: 13.9210
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^2 + 3 x + 1)}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A070431
Score: 12.5745
Type of gen. func.: ogf

$$-\frac{x (x^4 + 4 x^3 + 3 x^2 + 4 x + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A070431
Score: 8.66952
Type of gen. func.: lgdogf

$$-\frac{2 (x^9 + 6 x^8 + 6 x^7 + 10 x^6 + 3 x^5 + 2 x^3 + 6 x^2 + 3 x + 2)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 + 4 x^3 + 3 x^2 + 4 x + 1)}$$

Sequence: A070432
Score: 10.0745
Type of gen. func.: ogf

$$(7 f(x) + 2967) (f(x) x^4 + x^3 + 4 x^2 - f(x) + x)$$

Sequence: A070432
Score: 15.5869
Type of gen. func.: ogf

$$-\frac{(x^2 + 4 x + 1) x}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A070432
Score: 16.5650
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 + 6 x^4 + 2 x^3 + x + 2)}{(x - 1) (x + 1) (x^2 + 1) (x^2 + 4 x + 1)}$$

Sequence: A070433
Score: 10.2492
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^6 + 3 x^5 - 3 x^4 + 10 x^3 - 3 x^2 + 3 x + 1)}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A070434
Score: 8.10764
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^8 + 3 x^7 + 6 x^6 - x^5 + 4 x^4 - x^3 + 6 x^2 + 3 x + 1)}{(x - 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A070435
Score: 12.5745

Type of gen. func.: ogf

$$-\frac{x\,(x^4+4\,x^3+9\,x^2+4\,x+1)}{(x-1)\,(x+1)\,(x^2+x+1)\,(x^2-x+1)}$$

Sequence: A070435
Score: 8.58925
Type of gen. func.: lgdogf

$$-\frac{2\,(x^9+6\,x^8+18\,x^7+10\,x^6+3\,x^5+2\,x^3+6\,x^2+9\,x+2)}{(x-1)\,(x+1)\,(x^2+x+1)\,(x^2-x+1)\,(x^4+4\,x^3+9\,x^2+4\,x+1)}$$

Sequence: A070436
Score: 6.90196
Type of gen. func.: ogf

$$-x\,(x+1)\,(x^{10}+3\,x^9+6\,x^8-3\,x^7+15\,x^6-5\,x^5+15\,x^4-3\,x^3+6\,x^2+3\,x+1)\Big/\big((x-1)\,(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)\big)$$

Sequence: A070439
Score: 10.7286
Type of gen. func.: ogf

$$-\frac{x\,(x^6+4\,x^5+9\,x^4+9\,x^2+4\,x+1)}{(x-1)\,(x+1)\,(x^2+1)\,(x^4+1)}$$

Sequence: A070439
Score: 7.24718
Type of gen. func.: lgdogf

$$-2\,(x^{13}+6\,x^{12}+18\,x^{11}+27\,x^9+14\,x^8+4\,x^7+3\,x^5+10\,x^4+18\,x^3+9\,x$$

$$+ 2) \Big/ ((x - 1) (x + 1) (x^2 + 1) (x^6 + 4 x^5 + 9 x^4 + 9 x^2 + 4 x + 1) (x^4 + 1))$$

Sequence: A070442
Score: 8.84504
Type of gen. func.: ogf

$$- \frac{x (x^8 + 4 x^7 + 9 x^6 + 16 x^5 + 5 x^4 + 16 x^3 + 9 x^2 + 4 x + 1)}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A070446
Score: 7.42603
Type of gen. func.: ogf

$$- \frac{x (x^{10} + 4 x^9 + 9 x^8 + 16 x^7 + x^6 + 12 x^5 + x^4 + 16 x^3 + 9 x^2 + 4 x + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x^4 - x^2 + 1)}$$

Sequence: A070454
Score: 5.84380
Type of gen. func.: ogf

$$- x (x^{14} + 4 x^{13} + 9 x^{12} + 16 x^{11} + 25 x^{10} + 4 x^9 + 17 x^8 + 17 x^6 + 4 x^5$$
$$+ 25 x^4 + 16 x^3 + 9 x^2 + 4 x + 1) \Big/ ((x - 1) (x + 1) (x^2 + 1) (x^4 + 1)$$
$$(x^8 + 1))$$

Sequence: A070471
Score: 11.0433
Type of gen. func.: lgdogf

$$- \frac{8 x^7 + 6 x^6 + 12 x^5 + 5 x^4 + 12 x^2 + 4 x + 3}{(x - 1) (4 x^3 + 2 x^2 + 3 x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A070471
Score: 13.9210
Type of gen. func.: ogf

$$-\frac{x\,(4x^3+2x^2+3x+1)}{(x-1)\,(x^4+x^3+x^2+x+1)}$$

Sequence: A070472
Score: 11.3880
Type of gen. func.: ogf

$$-\frac{x\,(6x^5+6x^4+x^3+6x^2+x+1)}{(x-1)\,(x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A070472
Score: 7.13569
Type of gen. func.: lgdogf

$$-(12x^{11}+18x^{10}+4x^9+30x^8+6x^7+7x^6+30x^4+24x^3+3x^2+12x+1)\Big/\Big((x-1)\,(x^6+x^5+x^4+x^3+x^2+x+1)\,(6x^5+6x^4+x^3+6x^2+x+1)\Big)$$

Sequence: A070473
Score: 8.24660
Type of gen. func.: ogf

$$-\frac{x\,(10x^9+3x^8+6x^7+2x^6+7x^5+4x^4+9x^3+5x^2+8x+1)}{(x-1)\,(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A070474
Score: 7.90622

Type of gen. func.: ogf

$$-\frac{x\,(11x^{10}+4x^{9}+9x^{8}+8x^{7}+7x^{6}+5x^{4}+4x^{3}+3x^{2}+8x+1)}{(x-1)(x+1)(x^{2}+x+1)(x^{2}-x+1)(x^{2}+1)(x^{4}-x^{2}+1)}$$

Sequence: A070475
Score: 6.93625
Type of gen. func.: ogf

$$-x\,(12x^{11}+5x^{10}+12x^{9}+x^{8}+5x^{7}+5x^{6}+8x^{5}+8x^{4}+12x^{3}+x^{2}+8x+1)\Big/\big((x-1)(x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)\big)$$

Sequence: A070478
Score: 6.43778
Type of gen. func.: ogf

$$-x\,(15x^{14}+8x^{13}+5x^{12}+3x^{10}+8x^{9}+9x^{8}+7x^{6}+8x^{5}+13x^{4}+11x^{2}+8x+1)\Big/\big((x-1)(x+1)(x^{2}+1)(x^{4}+1)(x^{8}+1)\big)$$

Sequence: A070480
Score: 12.5488
Type of gen. func.: ogf

$$-\frac{x\,(17x^{4}+10x^{3}+9x^{2}+8x+1)}{(x-1)(x+1)(x^{2}+x+1)(x^{2}-x+1)}$$

Sequence: A070480
Score: 7.97000
Type of gen. func.: lgdogf

$$-2\,(17x^{9}+15x^{8}+18x^{7}+20x^{6}+3x^{5}+34x^{3}+15x^{2}+9x+4)\Big/\Big($$

$$(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (17 x^4 + 10 x^3 + 9 x^2 + 8 x + 1))$$

Sequence: A070489
Score: 10.0635
Type of gen. func.: ogf

$$-\frac{x (26 x^7 + 19 x^6 + 17 x^4 + 10 x^3 + 8 x + 1)}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A070498
Score: 8.17069
Type of gen. func.: ogf

$$-\frac{x (35 x^6 + 28 x^5 + 44 x^4 + 36 x^3 + 28 x^2 + 8 x + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1)}$$

Sequence: A070511
Score: 12.5745
Type of gen. func.: ogf

$$-\frac{x (x^4 + 4 x^3 + 3 x^2 + 4 x + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A070511
Score: 8.66952
Type of gen. func.: lgdogf

$$-\frac{2 (x^9 + 6 x^8 + 6 x^7 + 10 x^6 + 3 x^5 + 2 x^3 + 6 x^2 + 3 x + 2)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 + 4 x^3 + 3 x^2 + 4 x + 1)}$$

Sequence: A070512
Score: 11.3880
Type of gen. func.: ogf

$$-\frac{x\,(x+1)\,(x^4+x^3+3\,x^2+x+1)}{(x-1)\,(x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A070512
Score: 7.36222
Type of gen. func.: lgdogf

$$-(2\,x^{11}+6\,x^{10}+16\,x^9+20\,x^8+12\,x^7+7\,x^6+5\,x^4+8\,x^3+12\,x^2+8\,x+2) \Big/ \left((x-1)\,(x+1)\,(x^4+x^3+3\,x^2+x+1)\,(x^6+x^5+x^4+x^3+x^2+x+1)\right)$$

Sequence: A070513
Score: 10.2492
Type of gen. func.: ogf

$$-\frac{x\,(x+1)\,(x^6+6\,x^5-6\,x^4+10\,x^3-6\,x^2+6\,x+1)}{(x-1)\,(x^2+x+1)\,(x^6+x^3+1)}$$

Sequence: A070514
Score: 8.77777
Type of gen. func.: ogf

$$-\frac{x\,(x^8+6\,x^7+x^6+6\,x^5+5\,x^4+6\,x^3+x^2+6\,x+1)}{(x-1)\,(x+1)\,(x^4+x^3+x^2+x+1)\,(x^4-x^3+x^2-x+1)}$$

Sequence: A070515
Score: 8.10764
Type of gen. func.: ogf

$$-\frac{x\,(x+1)\,(x^2-x+1)\,(x^6+5\,x^5+4\,x^4+2\,x^3+4\,x^2+5\,x+1)}{(x-1)\,(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A070516
Score: 12.5745
Type of gen. func.: ogf

$$-\frac{x\,(x^4+4x^3+9x^2+4x+1)}{(x-1)\,(x+1)\,(x^2+x+1)\,(x^2-x+1)}$$

Sequence: A070516
Score: 8.58925
Type of gen. func.: lgdogf

$$-\frac{2\,(x^9+6x^8+18x^7+10x^6+3x^5+2x^3+6x^2+9x+2)}{(x-1)\,(x+1)\,(x^2+x+1)\,(x^2-x+1)\,(x^4+4x^3+9x^2+4x+1)}$$

Sequence: A070517
Score: 7.04790
Type of gen. func.: ogf

$$-x\,(x+1)\,(x^{10}+2x^9+x^8+8x^7-7x^6+16x^5-7x^4+8x^3+x^2+2x+1)\;/\;((x-1)\,(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1))$$

Sequence: A070533
Score: 6.23266
Type of gen. func.: ogf

$$-x\,(x+1)\,(x^{12}+6x^{10}-5x^9+15x^8-9x^7+10x^6-9x^5+15x^4-5x^3+6x^2+1)\;/\;((x-1)\,(x^4+x^3+x^2+x+1)\,(x^2+x+1)\,(x^8-x^7+x^5-x^4+x^3-x+1))$$

Sequence: A070539
Score: 8.55264
Type of gen. func.: ogf

$$-\frac{x\,(x^{8}+16\,x^{7}+x^{6}+16\,x^{5}+5\,x^{4}+16\,x^{3}+x^{2}+16\,x+1)}{(x-1)\,(x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{4}-x^{3}+x^{2}-x+1)}$$

Sequence: A070550
Score: 14.1386
Type of gen. func.: ogf

$$-\frac{x+1}{(x^{2}+1)\,(x^{2}+x-1)}$$

Sequence: A070550
Score: 15.9738
Type of gen. func.: lgdogf

$$-\frac{3\,x^{4}+6\,x^{3}+3\,x^{2}+2}{(x+1)\,(x^{2}+1)\,(x^{2}+x-1)}$$

Sequence: A070550
Score: 6.81221
Type of gen. func.: ogf

$$-(160\,f(x)+23)\,(f(x)\,x^{4}+f(x)\,x^{3}+f(x)\,x-f(x)+x+1)$$

Sequence: A070557
Score: 19.7516
Type of gen. func.: ogf_with_Euler_transform]

$$x^{4}+2\,x^{3}+2\,x^{2}+2\,x+1$$

Sequence: A070557
Score: 7.13749
Type of gen. func.: lgdogf

$$-\frac{24x^9+49x^8+79x^7+92x^6+93x^5+70x^4+45x^3+20x^2+7x+1}{(x-1)(x+1)(x^2+x+1)(x^4+x^3+x^2+x+1)(x^2+1)}$$

Sequence: A070567
Score: 12.5488
Type of gen. func.: ogf

$$-\frac{x(x^4+16x^3+9x^2+16x+1)}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A070567
Score: 8.39697
Type of gen. func.: lgdogf

$$-\frac{2(x^9+24x^8+18x^7+40x^6+3x^5+2x^3+24x^2+9x+8)}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)(x^4+16x^3+9x^2+16x+1)}$$

Sequence: A070575
Score: 10.5027
Type of gen. func.: ogf

$$-\frac{x(x^6+16x^5+17x^4+17x^2+16x+1)}{(x-1)(x+1)(x^2+1)(x^4+1)}$$

Sequence: A070575
Score: 6.91076
Type of gen. func.: lgdogf

$$-2(x^{13}+24x^{12}+34x^{11}+51x^9+56x^8+4x^7+3x^5+40x^4+34x^3+17x+8)\Big/\left((x-1)(x+1)(x^2+1)(x^4+1)\right)$$

$$(x^6 + 16 x^5 + 17 x^4 + 17 x^2 + 16 x + 1))$$

Sequence: A070583
Score: 8.40613
Type of gen. func.: ogf

$$- \frac{x (x^8 + 16 x^7 + x^6 + 16 x^5 + 25 x^4 + 16 x^3 + x^2 + 16 x + 1)}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A070591
Score: 12.0904
Type of gen. func.: ogf

$$- \frac{x (x^4 + 16 x^3 + 33 x^2 + 16 x + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A070591
Score: 8.02368
Type of gen. func.: lgdogf

$$- \frac{2 (x^9 + 24 x^8 + 66 x^7 + 40 x^6 + 3 x^5 + 2 x^3 + 24 x^2 + 33 x + 8)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 + 16 x^3 + 33 x^2 + 16 x + 1)}$$

Sequence: A070593
Score: 11.3880
Type of gen. func.: ogf

$$- \frac{x (2 x + 1) (x^2 - x + 1) (3 x^2 + 3 x + 1)}{(x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A070595
Score: 10.2492
Type of gen. func.: ogf

$$-\frac{x\,(8x^7+4x^6+2x^4+7x^3+5x+1)}{(x-1)\,(x^2+x+1)\,(x^6+x^3+1)}$$

Sequence: A070596
Score: 7.77464
Type of gen. func.: ogf

$$-\frac{x\,(10x^9+x^8+10x^7+10x^6+10x^5+x^4+x^3+x^2+10x+1)}{(x-1)\,(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A070597
Score: 7.90622
Type of gen. func.: ogf

$$-\frac{x\,(11x^{10}+4x^9+9x^8+8x^7+7x^6+5x^4+4x^3+3x^2+8x+1)}{(x-1)\,(x+1)\,(x^2+x+1)\,(x^2-x+1)\,(x^2+1)\,(x^4-x^2+1)}$$

Sequence: A070598
Score: 6.93625
Type of gen. func.: ogf

$$-x\,(x^2+x+1)\,(x^2-x+1)\,(12x^7+7x^6-8x^5-4x^4+4x^3+8x^2+6x+1)\;/\;((x-1)\,(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1))$$

Sequence: A070609
Score: 10.3870
Type of gen. func.: lgdogf

$$-\frac{48x^7+54x^6+28x^5+5x^4+72x^2+36x+7}{(x-1)\,(1+4x)\,(6x^2+3x+1)\,(x^4+x^3+x^2+x+1)}$$

Sequence: A070609
Score: 13.6813
Type of gen. func.: ogf

$$-\frac{x(1+4x)(6x^2+3x+1)}{(x-1)(x^4+x^3+x^2+x+1)}$$

Sequence: A070634
Score: 8.10764
Type of gen. func.: ogf

$$-\frac{x(x+1)(x^8+8x^7-5x^6+9x^5-4x^4+9x^3-5x^2+8x+1)}{(x-1)(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A070636
Score: 6.62982
Type of gen. func.: ogf

$$-x(x+1)(x^{10}+11x^9-10x^8+11x^7+x^6+11x^5+x^4+11x^3-10x^2+11x+1) / ((x-1)(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1))$$

Sequence: A070637
Score: 6.58825
Type of gen. func.: ogf

$$-x(x^{12}+8x^{11}+x^{10}+8x^9+x^8+8x^7+7x^6+8x^5+x^4+8x^3+x^2+8x+1) / ((x-1)(x^6+x^5+x^4+x^3+x^2+x+1)(x+1)(x^6-x^5+x^4-x^3+x^2-x+1))$$

Sequence: A070641
Score: 12.5488
Type of gen. func.: ogf

$$-\frac{x\left(x^{4}+10x^{3}+9x^{2}+10x+1\right)}{(x-1)(x+1)\left(x^{2}+x+1\right)\left(x^{2}-x+1\right)}$$

Sequence: A070641
Score: 8.39697
Type of gen. func.: lgdogf

$$-\frac{2\left(x^{9}+15x^{8}+18x^{7}+25x^{6}+3x^{5}+2x^{3}+15x^{2}+9x+5\right)}{(x-1)(x+1)\left(x^{2}+x+1\right)\left(x^{2}-x+1\right)\left(x^{4}+10x^{3}+9x^{2}+10x+1\right)}$$

Sequence: A070650
Score: 9.92741
Type of gen. func.: ogf

$$-\frac{x(x+1)\left(x^{6}+9x^{5}-9x^{4}+28x^{3}-9x^{2}+9x+1\right)}{(x-1)\left(x^{2}+x+1\right)\left(x^{6}+x^{3}+1\right)}$$

Sequence: A070651
Score: 6.77327
Type of gen. func.: ogf

$$-x\left(x^{12}+8x^{11}+x^{10}+8x^{9}+x^{8}+8x^{7}+21x^{6}+8x^{5}+x^{4}+8x^{3}+x^{2}+8x+1\right)\Big/\left((x-1)\left(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1\right)(x+1)\left(x^{6}-x^{5}+x^{4}-x^{3}+x^{2}-x+1\right)\right)$$

Sequence: A070659
Score: 12.5488
Type of gen. func.: ogf

$$-\frac{x\,(x^4+28\,x^3+9\,x^2+28\,x+1)}{(x-1)\,(x+1)\,(x^2+x+1)\,(x^2-x+1)}$$

Sequence: A070659
Score: 8.32266
Type of gen. func.: lgdogf

$$-\frac{2\,(x^9+42\,x^8+18\,x^7+70\,x^6+3\,x^5+2\,x^3+42\,x^2+9\,x+14)}{(x-1)\,(x+1)\,(x^2+x+1)\,(x^2-x+1)\,(x^4+28\,x^3+9\,x^2+28\,x+1)}$$

Sequence: A070663
Score: 8.40613
Type of gen. func.: ogf

$$-\frac{x\,(x^8+24\,x^7+9\,x^6+16\,x^5+25\,x^4+16\,x^3+9\,x^2+24\,x+1)}{(x-1)\,(x+1)\,(x^4+x^3+x^2+x+1)\,(x^4-x^3+x^2-x+1)}$$

Sequence: A070688
Score: 5.88916
Type of gen. func.: ogf

$$-x\,(x^{16}+16\,x^{15}+9\,x^{14}+16\,x^{13}+25\,x^{12}+24\,x^8+25\,x^4+16\,x^3+9\,x^2+16\,x+1)\;/\;((x-1)\,(x+1)\,(x^4+1)\,(x^2+x+1)\,(x^2-x+1)\,(x^8-x^4+1))$$

Sequence: A070690
Score: 11.0433
Type of gen. func.: lgdogf

$$-\frac{8\,x^7+6\,x^6+12\,x^5+5\,x^4+12\,x^2+4\,x+3}{(x-1)\,(4\,x^3+2\,x^2+3\,x+1)\,(x^4+x^3+x^2+x+1)}$$

Sequence: A070690
Score: 13.9210
Type of gen. func.: ogf

$$-\frac{x(4x^3+2x^2+3x+1)}{(x-1)(x^4+x^3+x^2+x+1)}$$

Sequence: A070692
Score: 10.2492
Type of gen. func.: ogf

$$-\frac{x(8x^7+7x^6+5x^4+4x^3+2x+1)}{(x-1)(x^2+x+1)(x^6+x^3+1)}$$

Sequence: A070693
Score: 8.24660
Type of gen. func.: ogf

$$-\frac{x(10x^9+4x^8+2x^7+6x^6+8x^5+3x^4+5x^3+9x^2+7x+1)}{(x-1)(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A070695
Score: 6.93625
Type of gen. func.: ogf

$$-x(12x^{11}+2x^{10}+10x^9+9x^8+5x^7+6x^6+7x^5+8x^4+4x^3+3x^2+11x+1)\Big/\left((x-1)(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)\right)$$

Sequence: A070734
Score: 5.71790

Type of gen. func.: egf]

$$\frac{3 (x^4 + 8 x^3 + 6 x^2 + 8 x + 1)}{(x - 1)^4 (x + 1)^4}$$

Sequence: A070734
Score: 7.24628
Type of gen. func.: lgdegf]

$$- \frac{4 (x^5 + 10 x^4 + 10 x^3 + 20 x^2 + 5 x + 2)}{(x - 1) (x + 1) (x^4 + 8 x^3 + 6 x^2 + 8 x + 1)}$$

Sequence: A070775
Score: 4.93788
Type of gen. func.: ogf

$$\{-a(n + 3) + 12 a(n + 2) + 64 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 72\}$$

Sequence: A070775
Score: 7.44484
Type of gen. func.: ogf

$$(-254 + 255 f(x)) (64 f(x) x^2 + 12 f(x) x - 16 x^2 - f(x) - 10 x + 1)$$

Sequence: A070775
Score: 9.09609
Type of gen. func.: ogf

$$\frac{16 x^2 + 10 x - 1}{(1 + 4 x) (16 x - 1)}$$

Sequence: A070775
Score: 9.56877
Type of gen. func.: lgdogf

^{2}

$$-\frac{2\,(224\,x - 48\,x - 1)}{(1 + 4\,x)\,(16\,x - 1)\,(16\,x^2 + 10\,x - 1)}$$

Sequence: A070778
Score: 8.11059
Type of gen. func.: lgdogf

$$-\frac{4\,x^7 + 8\,x^6 - 12\,x^5 - 24\,x^4 + 12\,x^3 + 15\,x^2 - 10\,x - 2}{(x^2 + x - 1)\,(x^6 + x^5 - 5\,x^4 - 4\,x^3 + 6\,x^2 + 3\,x - 1)}$$

Sequence: A070778
Score: 9.12268
Type of gen. func.: ogf

$$\frac{x^2 + x - 1}{x^6 + x^5 - 5\,x^4 - 4\,x^3 + 6\,x^2 + 3\,x - 1}$$

Sequence: A070782
Score: 4.60532
Type of gen. func.: ogf

$\{-a(n + 3) + 21\,a(n + 2) + 353\,a(n + 1) - 32\,a(n),\ a(0) = 1,\ a(1) = 2,$

$a(2) = 254\}$

Sequence: A070782
Score: 5.32777
Type of gen. func.: ogf

$-(3965489\,f(x) - 1621469)$

$(32\,f(x)\,x^3 - 353\,f(x)\,x^2 - 21\,f(x)\,x + 141\,x^2 + f(x) + 19\,x - 1)$

Sequence: A070782
Score: 6.91347
Type of gen. func.: lgdogf

$$-\frac{2\,(2256 x^4 + 608 x^3 - 1921 x^2 + 212 x + 1)}{(32 x - 1)(141 x^2 + 19 x - 1)(x^2 - 11 x - 1)}$$

Sequence: A070782
Score: 7.99159
Type of gen. func.: ogf

$$-\frac{141 x^2 + 19 x - 1}{(32 x - 1)(x^2 - 11 x - 1)}$$

Sequence: A070814
Score: 6.56530
Type of gen. func.: ogf

$$-\frac{17\,(3 x^9 + 2 x^8 + 2 x^7 + 2 x^6 + 2 x^5 + 3 x^4 + 4 x^3 + 3 x^2 + 2 x + 1)}{2 x^4 - 1}$$

Sequence: A070832
Score: 3.70557
Type of gen. func.: ogf

$$\frac{8192 x^4 + 207296 x^3 - 20280 x^2 - 134 x + 1}{(256 x - 1)(16 x - 1)(16 x^2 + 136 x + 1)}$$

Sequence: A070857
Score: 3.33019
Type of gen. func.: ogf

$$\{(28 n^2 + 154 n + 210)\, a(n + 1) + (25 n^2 + 223 n + 546)\, a(n + 2)$$
$$+ (-8 n^2 - 80 n - 168)\, a(n + 3),\ a(0) = 1,\ a(1) = 5,\ a(2) = 19\}$$

Sequence: A070857

Score: 7.72934
Type of gen. func.: ogf

$$f(x)^2 x^4 - 7 f(x) x^2 + 9 f(x) x - 2 f(x) + x + 2$$

Sequence: A070859
Score: 5.65403
Type of gen. func.: ogf

$$f(x)^2 x^4 - f(x) x^3 - 5 f(x) x^2 + x^3 + 5 f(x) x + 2 x^2 - f(x) - 3 x + 1$$

Sequence: A070875
Score: 10.0873
Type of gen. func.: ogf

$$-(20 f(x) - 51) (2 f(x) x^2 - f(x) + 7 x + 5)$$

Sequence: A070875
Score: 11.5059
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n), a(0) = 5, a(1) = 7\}$$

Sequence: A070875
Score: 17.9604
Type of gen. func.: ogf

$$-\frac{7 x + 5}{2 x^2 - 1}$$

Sequence: A070875
Score: 18.0430
Type of gen. func.: revegf]

$$1/2\ 2^{1/2} (-\operatorname{arcsinh}(7) + \operatorname{arcsinh}(2 x + 7))$$

Sequence: A070875
Score: 21.2271
Type of gen. func.: lgdogf

$$-\frac{14 x^2 + 20 x + 7}{(7 x + 5) (2 x^2 - 1)}$$

Sequence: A070876
Score: 10.7019
Type of gen. func.: ogf

$$(4 f(x) - 11) (2 f(x) x^2 - f(x) + 15 x + 9)$$

Sequence: A070876
Score: 11.3605
Type of gen. func.: ogf

{a(n + 2) - 2 a(n), a(0) = 9, a(1) = 15}

Sequence: A070876
Score: 17.5817
Type of gen. func.: ogf

$$-\frac{3 (5 x + 3)}{2 x^2 - 1}$$

Sequence: A070876
Score: 18.5610
Type of gen. func.: revogf

$$\frac{-9 + (8 x^2 + 60 x + 81)^{1/2}}{2 (15 + 2 x)}$$

Sequence: A070876
Score: 21.2906
Type of gen. func.: lgdogf

$$-\frac{10 x^2 + 12 x + 5}{(5 x + 3) (2 x^2 - 1)}$$

Sequence: A070884
Score: 7.78561
Type of gen. func.: ogf

$$-\frac{x^8 - 2 x^7 - 6 x^6 - 4 x^5 - 2 x^4 - 4 x^3 - 2 x^2 - 4 x - 7}{(x + 1) (x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A070893
Score: 10.5965
Type of gen. func.: ogf

$$-\frac{2 x + 1}{(x + 1) (x - 1)^5}$$

Sequence: A070893
Score: 19.9057
Type of gen. func.: lgdogf

$$-\frac{2 (5 x^2 + 7 x + 3)}{(x - 1) (2 x + 1) (x + 1)}$$

Sequence: A070893
Score: 3.80810
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) - 2 n a(n + 3) + (16 + n) a(n + 2) + (12 + 2 n) a(n + 1),$$

$$a(0) = 1, a(1) = 6, a(2) = 19, a(3) = 46\}$$

Sequence: A070937
Score: 6.88398
Type of gen. func.: ogf

$$(2 x^{12} - 2 x^{11} + 6 x^{10} - 4 x^{9} + 6 x^{8} - 2 x^{7} - 2 x^{6} + 2 x^{5} - 6 x^{4} + 2 x^{3} - 3 x^{2} - x - 1) \Big/ ((x - 1) (x^{2} + 1))$$

Sequence: A070945
Score: 24.4809
Type of gen. func.: lgdegf]

$$(-x^{3} - x^{2} - x - 1) f(x) + f(x)^{2}$$

Sequence: A070945
Score: 3.64633
Type of gen. func.: egf]

$$\{(-n - 5) a(n + 5) + a(n + 4) + a(n + 3) + a(n + 2) + a(n + 1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1, a(4) = 1\}$$

Sequence: A070946
Score: 13.6287
Type of gen. func.: lgdegf]

$$-a(n + 5), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1, a(4) = 1$$

Sequence: A070947
Score: 23.6583
Type of gen. func.: lgdegf]

$$(x + 1) (x^{2} + x + 1) (x^{2} - x + 1)$$

Sequence: A070959
Score: 7.39986
Type of gen. func.: ogf

$$- \frac{x^{7} - x^{6} - 20 x^{4} + 3 x^{3} - 23 x^{2} - 4 x - 4}{(x - 1)^{4} (x + 1)^{4}}$$

Sequence: A070959
Score: 7.53940
Type of gen. func.: lgdogf

$$-\frac{x^8 - 2x^7 + 7x^6 - 86x^5 + 15x^4 - 218x^3 - 19x^2 - 78x - 4}{(x-1)(x+1)(x^7 - x^6 - 20x^4 + 3x^3 - 23x^2 - 4x - 4)}$$

Sequence: A070960
Score: 10.7959
Type of gen. func.: egf]

$$-\frac{x^2 - 2x - 2}{2(x-1)^2}$$

Sequence: A070960
Score: 11.4379
Type of gen. func.: egf]

$$-2 f(x) x^2 + 4 f(x) x - x^2 - 2 f(x) + 2x + 2$$

Sequence: A070960
Score: 25.4637
Type of gen. func.: revegf]

$$-1 - x + (x^2 + 4x + 1)^{1/2}$$

Sequence: A070960
Score: 29.4843
Type of gen. func.: lgdegf]

$$\frac{6}{(x-1)(x^2 - 2x - 2)}$$

Sequence: A070960
Score: 4.02946
Type of gen. func.: ogf

$$\{(n^2 + 2 n) a(n) + (n^2 + 4 n + 6) a(n + 1) + (-2 - n) a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A070967
Score: 3.23968
Type of gen. func.: ogf

$$\{-a(n + 4) + 38 a(n + 3) + 1691 a(n + 2) - 1728 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 926, a(3) = 37130\}$$

Sequence: A070967
Score: 4.37579
Type of gen. func.: ogf

$$-(-1689239 + 3197285 f(x)) (1728 f(x) x^3 - 1691 f(x) x^2 - 288 x^3 - 38 f(x) x + 841 x^2 + f(x) + 36 x - 1)$$

Sequence: A070967
Score: 5.04611
Type of gen. func.: lgdogf

$$\frac{2 (483120 x^4 + 51264 x^3 - 16619 x^2 + 850 x + 1)}{(x - 1) (27 x + 1) (64 x - 1) (288 x^3 - 841 x^2 - 36 x + 1)}$$

Sequence: A070967
Score: 5.79942
Type of gen. func.: ogf

$$\frac{288 x^3 - 841 x^2 - 36 x + 1}{(x - 1) (27 x + 1) (64 x - 1)}$$

Sequence: A070997
Score: 13.5141
Type of gen. func.: ogf

$$-\frac{x - 1}{x^2 - 8 x + 1}$$

Sequence: A070997
Score: 14.5403
Type of gen. func.: revogf

$$-\frac{-1 - 8 x + (60 x^2 + 12 x + 1)^{1/2}}{2 (x + 1)}$$

Sequence: A070997
Score: 19.8717
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x + 7}{(x - 1) (x^2 - 8 x + 1)}$$

Sequence: A070997
Score: 6.75704
Type of gen. func.: ogf

$$-(54 f(x) - 5) (f(x) x^2 - 8 f(x) x + f(x) + x - 1)$$

Sequence: A070997
Score: 7.41626
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A070998
Score: 14.1798
Type of gen. func.: ogf

$$-\frac{x - 1}{x^2 - 9 x + 1}$$

Sequence: A070998
Score: 15.2709
Type of gen. func.: revogf

$$-\frac{-1 - 9 x + (77 x^2 + 14 x + 1)^{1/2}}{2 (x + 1)}$$

Sequence: A070998
Score: 20.8703
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x + 8}{(x - 1) (x^2 - 9 x + 1)}$$

Sequence: A070998
Score: 7.0899
Type of gen. func.: ogf

$$-(35 f(x) - 3) (f(x) x^2 - 9 f(x) x + f(x) + x - 1)$$

Sequence: A070998
Score: 7.78159
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) + a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A071009
Score: 4.71677
Type of gen. func.: ogf

$$\frac{x^6 + x^5 + 5 x^4 + 8 x^3 + 5 x^2 + x + 1}{}$$

$$(x^2 + x + 1) (x + 1)^2 (x - 1)^6$$

Sequence: A071009
Score: 5.97667
Type of gen. func.: lgdogf

$$- \frac{4 (x^9 + 3 x^8 + 12 x^7 + 30 x^6 + 46 x^5 + 46 x^4 + 35 x^3 + 18 x^2 + 6 x + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^6 + x^5 + 5 x^4 + 8 x^3 + 5 x^2 + x + 1)}$$

Sequence: A071033
Score: 6.92691
Type of gen. func.: ogf

$$- \frac{(10 x + 1) (10000 x^4 - 101 x - 1)}{(x - 1) (100 x - 1) (100 x + 1) (x + 1)}$$

Sequence: A071045
Score: 14.7579
Type of gen. func.: ogf

$$\frac{x^2 (3 + x)}{(x + 1)^2 (x - 1)^2}$$

Sequence: A071045
Score: 25.2335
Type of gen. func.: lgdogf

$$- \frac{3 x^2 + 12 x + 1}{(x - 1) (3 + x) (x + 1)}$$

Sequence: A071045
Score: 5.57088
Type of gen. func.: ogf

$$^{2} \qquad\qquad\qquad\qquad ^{2}$$

$$\{(4 n + 21 n + 26) a(n + 1) + 3 a(n + 2) + (-4 n - 13 n - 9) a(n + 3),$$

$$a(0) = 0, a(1) = 0, a(2) = 3\}$$

Sequence: A071045
Score: 8.16701
Type of gen. func.: ogf

$$-(1248 f(x) + 2465) (f(x) x^4 - 2 f(x) x^2 - x^3 - 3 x^2 + f(x))$$

Sequence: A071046
Score: 7.53581
Type of gen. func.: lgdogf

$$- \frac{3 x^9 + 7 x^8 + 27 x^7 + 33 x^6 + 47 x^5 + 39 x^4 + 32 x^3 + 18 x^2 + 9 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1) (x^4 + x^3 + 4 x^2 + x + 2)}$$

Sequence: A071046
Score: 9.57906
Type of gen. func.: ogf

$$\frac{x^2 (x^4 + x^3 + 4 x^2 + x + 2)}{(x + 1) (x^2 + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A071047
Score: 6.36172
Type of gen. func.: lgdogf

$$- (4 x^{10} + 7 x^9 + 27 x^8 + 44 x^7 + 66 x^6 + 69 x^5 + 63 x^4 + 41 x^3 + 27 x^2 + 9 x + 3) \Big/ ((x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1) (2 x^5 + x^4 + 5 x^3 + 3 x^2 + 3 x + 1))$$

Sequence: A071047
Score: 9.48204

Type of gen. func.: ogf

$$\frac{2x^5+x^4+5x^3+3x^2+3x+1}{(x+1)(x^2+1)(x^2+x+1)(x-1)^2}$$

Sequence: A071054
Score: 13.0480
Type of gen. func.: ogf

$$-\frac{x^3-2x^2-3x-1}{(x+1)^2(x-1)^2}$$

Sequence: A071054
Score: 15.1135
Type of gen. func.: lgdogf

$$-\frac{x^4-4x^3-6x^2-8x-3}{(x-1)(x+1)(x^3-2x^2-3x-1)}$$

Sequence: A071054
Score: 7.85297
Type of gen. func.: ogf

$$-(110 f(x)-71)(f(x)x^4-2f(x)x^2+x^3-2x^2+f(x)-3x-1)$$

Sequence: A071061
Score: 6.29416
Type of gen. func.: lgdogf

$$\frac{2(36x^{10}-26x^9-1)}{(x-1)(9x^{10}-19x^9+1)}$$

Sequence: A071099

Score: 11.2505
Type of gen. func.: ogf

$$\frac{x\,(x^2 - 5x + 2)}{(2x - 1)(x - 1)^3}$$

Sequence: A071099
Score: 18.6474
Type of gen. func.: lgdogf

$$-\frac{4x^3 - 29x^2 + 24x - 5}{(x - 1)(2x - 1)(x^2 - 5x + 2)}$$

Sequence: A071099
Score: 6.0836
Type of gen. func.: ogf

(76 f(x) - 63)

$$(2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 - x^3 - 5 f(x) x + 5 x^2 + f(x) - 2 x)$$

Sequence: A071100
Score: 5.17586
Type of gen. func.: ogf

(1472 f(x) + 579)

$$(f(x) x^4 - 2 f(x) x^3 - 2 f(x) x^2 + x^3 - 2 f(x) x - x^2 + f(x) - 3 x - 5)$$

Sequence: A071100
Score: 9.13657
Type of gen. func.: lgdogf

$$-\frac{x^6 - 2x^5 - 5x^4 - 4x^3 + 31x^2 + 22x + 13}{(x^4 - 2x^3 - 2x^2 - 2x + 1)(x^3 - x^2 - 3x - 5)}$$

Sequence: A071100
Score: 9.54509
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 - 3 x - 5}{x^4 - 2 x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A071101
Score: 5.01056
Type of gen. func.: ogf

$$-(12763 f(x) + 9849)$$

$$(f(x) x^4 - 2 f(x) x^3 - 2 f(x) x^2 + 2 x^3 - 2 f(x) x - 3 x^2 + f(x) - 6 x - 5)$$

Sequence: A071101
Score: 8.67120
Type of gen. func.: lgdogf

$$-\frac{2 (x^6 - 3 x^5 - 4 x^4 + 6 x^3 + 15 x^2 + 13 x + 8)}{(x^4 - 2 x^3 - 2 x^2 - 2 x + 1) (2 x^3 - 3 x^2 - 6 x - 5)}$$

Sequence: A071101
Score: 9.63070
Type of gen. func.: ogf

$$-\frac{2 x^3 - 3 x^2 - 6 x - 5}{x^4 - 2 x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A071171
Score: 5.22210
Type of gen. func.: ogf

$$\frac{x^2 (5 x^4 + 82 x^3 + 186 x^2 + 82 x + 5)}{(x - 1)^8}$$

Sequence: A071171
Score: 9.62636
Type of gen. func.: lgdogf

$$-\frac{2 (10 x^4 + 215 x^3 + 681 x^2 + 473 x + 61)}{(x - 1) (5 x^4 + 82 x^3 + 186 x^2 + 82 x + 5)}$$

Sequence: A071213
Score: 3.14117
Type of gen. func.: ogf

$$\{(16 n^3 + 112 n^2 + 260 n + 200) a(n + 1) + (-8 n^2 - 44 n - 62) a(n + 2)$$
$$+ (n + 3) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 34\}$$

Sequence: A071229
Score: 10.3383
Type of gen. func.: ogf

$$\frac{x (8 x^2 + 5 x + 1)}{(x - 1)^4}$$

Sequence: A071229
Score: 20.6584
Type of gen. func.: lgdogf

$$-\frac{16 x^2 + 31 x + 9}{(x - 1) (8 x^2 + 5 x + 1)}$$

Sequence: A071229
Score: 3.81158
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 4) + (1 - 4 n) a(n + 3) + (28 - 3 n) a(n + 2)$$
$$+ (16 + 8 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 9, a(3) = 38\}$$

Sequence: A071229
Score: 5.20478
Type of gen. func.: ogf

$$-(26656 f(x) + 76833)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 8 x^3 - 4 f(x) x - 5 x^2 + f(x) - x)$$

Sequence: A071230
Score: 19.0305
Type of gen. func.: lgdogf

$$- \frac{16 x^2 + 43 x + 13}{(x - 1) (8 x + 1) (x + 1)}$$

Sequence: A071230
Score: 4.7037
Type of gen. func.: ogf

$$-(70707168 f(x) + 274269109)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 8 x^3 - 4 f(x) x - 9 x^2 + f(x) - x)$$

Sequence: A071230
Score: 9.79400
Type of gen. func.: ogf

$$\frac{x (x + 1) (8 x + 1)}{(x - 1)^4}$$

Sequence: A071231
Score: 4.07361
Type of gen. func.: ogf

$$- \frac{x (x + 1) (x^6 + 126 x^5 + 2007 x^4 + 5812 x^3 + 2007 x^2 + 126 x + 1)}{(x - 1)^9}$$

Sequence: A071231
Score: 5.64581
Type of gen. func.: lgdogf

$$-\frac{2 (x^7 + 194 x^6 + 4647 x^5 + 24880 x^4 + 39095 x^3 + 19194 x^2 + 2641 x + 68)}{(x - 1) (x + 1) (x^6 + 126 x^5 + 2007 x^4 + 5812 x^3 + 2007 x^2 + 126 x + 1)}$$

Sequence: A071232
Score: 11.2209
Type of gen. func.: lgdogf

$$-\frac{12 (7 x^4 + 61 x^3 + 100 x^2 + 39 x + 3)}{(x - 1) (28 x^4 + 155 x^3 + 147 x^2 + 29 x + 1)}$$

Sequence: A071232
Score: 6.56088
Type of gen. func.: ogf

$$-\frac{x (28 x^4 + 155 x^3 + 147 x^2 + 29 x + 1)}{(x - 1)^7}$$

Sequence: A071233
Score: 12.5474
Type of gen. func.: ogf

$$\frac{2 x (x^2 + 5)}{(x - 1)^4}$$

Sequence: A071233
Score: 30.2587
Type of gen. func.: lgdogf

2

$$-\frac{2 (x + x + 10)}{(x - 1) (x^2 + 5)}$$

Sequence: A071233
Score: 4.12003
Type of gen. func.: ogf

$\{(-15 - 5 n) a(n + 4) + (30 + 5 n) a(n + 3) + (1 - n) a(n + 2)$

$+ (n + 2) a(n + 1), a(0) = 0, a(1) = 10, a(2) = 40, a(3) = 102\}$

Sequence: A071233
Score: 6.13427
Type of gen. func.: ogf

$(54702 f(x) + 154351)$

$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 2 x^3 - 4 f(x) x + f(x) - 10 x)$

Sequence: A071237
Score: 25.6978
Type of gen. func.: lgdogf

$$-\frac{15 (x + 1)^2}{(x - 1) (5 x^2 + 5 x + 2)}$$

Sequence: A071237
Score: 4.41281
Type of gen. func.: ogf

$\{(6 + 2 n) a(n + 4) + (-9 + 3 n) a(n + 3) - 30 a(n + 2) + (-15 - 5 n) a(n + 1),$

$a(0) = 0, a(1) = 2, a(2) = 15, a(3) = 60\}$

Sequence: A071237
Score: 9.72946
Type of gen. func.: ogf

$$x (5 x^2 + 5 x + 2)$$

$$- \frac{\quad}{(x-1)^5}$$

Sequence: A071238
Score: 22.1373
Type of gen. func.: lgdogf

$$- \frac{9 x^2 + 22 x + 9}{(x - 1) (1 + 3 x) (x + 1)}$$

Sequence: A071238
Score: 3.98842
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-3 + 3 n) a(n + 3) + (-23 - n) a(n + 2) + (-9 - 3 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 9, a(3) = 38\}$$

Sequence: A071238
Score: 9.46649
Type of gen. func.: ogf

$$- \frac{x (x + 1) (1 + 3 x)}{(x - 1)^5}$$

Sequence: A071239
Score: 23.6522
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^2 + 4 x + 3)}{(x - 1) (2 x^2 + x + 1)}$$

Sequence: A071239
Score: 4.52912
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 4) + 6 a(n + 3) + (7 - n) a(n + 2) + (6 + 2 n) a(n + 1),$$

$a(0) = 0, a(1) = 1, a(2) = 6, a(3) = 22\}$

Sequence: A071239
Score: 9.82219
Type of gen. func.: ogf

$$-\frac{x(2x^2+x+1)}{(x-1)^5}$$

Sequence: A071244
Score: 25.5842
Type of gen. func.: lgdogf

$$-\frac{3x^2+6x+11}{(x-1)(x^2+x+2)}$$

Sequence: A071244
Score: 4.16920
Type of gen. func.: ogf

$$\{(-135n^2-234n+72)a(n+1)+(-223n^2-2750n-3597)a(n+2)$$
$$+(358n^2+1012n+654)a(n+3), a(0)=0, a(1)=0, a(2)=2\}$$

Sequence: A071244
Score: 9.20100
Type of gen. func.: ogf

$$-\frac{x^2(x^2+x+2)}{(x-1)^5}$$

Sequence: A071245
Score: 22.5745
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 18 x + 19}{(x - 1) (3 + x) (x + 1)}$$

Sequence: A071245
Score: 3.91317
Type of gen. func.: ogf

$$\{(-345 n^2 - 2397 n - 3414) a(n + 1) + (-908 n^2 - 9334 n - 25878) a(n + 2) + (1253 n^2 + 5339 n + 4086) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 3\}$$

Sequence: A071245
Score: 8.90583
Type of gen. func.: ogf

$$-\frac{x^2 (3 + x) (x + 1)}{(x - 1)^5}$$

Sequence: A071246
Score: 22.5745
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 14 x + 23}{(x - 1) (x^2 + 3 x + 4)}$$

Sequence: A071246
Score: 4.16563
Type of gen. func.: ogf

$$\{(29 n^2 + 190 n + 264) a(n + 1) + (-24 n^2 + 107 n + 897) a(n + 2) + (-5 n^2 - 161 n - 156) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 4\}$$

Sequence: A071246
Score: 8.90583

Type of gen. func.: ogf

$$-\frac{x^2 (x^2 + 3 x + 4)}{(x - 1)^5}$$

Sequence: A071252
Score: 23.1094
Type of gen. func.: lgdogf

$$-\frac{6 (x^2 + 4 x + 5)}{(x - 1) (2 x^2 + 5 x + 5)}$$

Sequence: A071252
Score: 4.30976
Type of gen. func.: ogf

$$\{(-2 n^2 - 100 n - 192) a(n + 1) + (45 n^2 + 254 n - 318) a(n + 2)$$
$$+ (-43 n^2 + 10 n + 53) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 5\}$$

Sequence: A071252
Score: 9.11488
Type of gen. func.: ogf

$$-\frac{x^2 (2 x^2 + 5 x + 5)}{(x - 1)^5}$$

Sequence: A071253
Score: 17.8941
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 + 9 x^2 + 15 x + 5)}{(x - 1) (x + 1) (x^2 + 4 x + 1)}$$

Sequence: A071253
Score: 4.77233
Type of gen. func.: ogf

$$\{(n^2 + 2 n) a(n + 1) + (-2 n^2 - 8 n - 36) a(n + 2) + (n^2 + 6 n + 8) a(n + 3),$$

$$a(0) = 0, a(1) = 2, a(2) = 20\}$$

Sequence: A071253
Score: 8.77492
Type of gen. func.: ogf

$$-\frac{2 x (x + 1) (x^2 + 4 x + 1)}{(x - 1)^5}$$

Sequence: A071268
Score: 6.27426
Type of gen. func.: lgdegf]

$$-\frac{3 (10 x^2 - 1) (110 x^2 - 40 x + 11)}{(x - 1) (10 x - 1) (110 x^3 - 30 x^2 + 1)}$$

Sequence: A071270
Score: 16.8771
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 + 12 x^2 + 21 x + 6)}{(x - 1) (x + 1) (x^2 + 6 x + 1)}$$

Sequence: A071270
Score: 4.44735
Type of gen. func.: ogf

$$\{(-2 n^2 - 7 n - 6) a(n + 1) + (4 n^2 + 16 n + 48) a(n + 2)$$

$$+ (-2 n^2 - 9 n - 10) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 12\}$$

Sequence: A071270
Score: 8.65034
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^2 + 6 x + 1)}{(x - 1)^5}$$

Sequence: A071271
Score: 6.77652
Type of gen. func.: ogf_with_Euler_transform]

$$-72 x^9 + 81 x^8 + 2$$

Sequence: A071279
Score: 10.2116
Type of gen. func.: ogf

$$-(f(x) + 4) (f(x) x - 2 x^2 - f(x) - 4 x + 12)$$

Sequence: A071279
Score: 17.7594
Type of gen. func.: ogf

$$\frac{2 (x^2 + 2 x - 6)}{x - 1}$$

Sequence: A071279
Score: 27.5510
Type of gen. func.: lgdogf

$$\frac{x^2 - 2 x + 4}{(x - 1) (x^2 + 2 x - 6)}$$

Sequence: A071279
Score: 9.61096
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2), a(0) = 12, a(1) = 8, a(2) = 6\}$$

Sequence: A071281
Score: 7.66180
Type of gen. func.: ogf

$$\frac{x^3 (x^8 + x^7 + 2 x^6 + x^5 + 3 x^4 + 2 x^3 + 2 x^2 + x + 1)}{(x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2}$$

Sequence: A071282
Score: 5.44330
Type of gen. func.: lgdogf

$$- (3 x^{10} + 4 x^9 + 9 x^8 + 4 x^7 + 15 x^6 + 12 x^5 + 15 x^4 + 8 x^3 + 9 x^2 + 2 x + 3) / ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (3 x^5 + 2 x^4 + 3 x^3 + x^2 + 3 x + 2))$$

Sequence: A071282
Score: 9.78453
Type of gen. func.: ogf

$$- \frac{3 x^5 + 2 x^4 + 3 x^3 + x^2 + 3 x + 2}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A071284
Score: 6.73841
Type of gen. func.: ogf

```
     9      8      7      6      5      4    3      2
  4 x  + 3 x  + 2 x  + 4 x  + 3 x  + 4 x  + x  + 3 x  + 4 x + 2
- -------------------------------------------------------------
                  4    3    2             4    3    2
```

$$(x - 1) (x + 1) (x + x + x + x + 1) (x - x + x - x + 1)$$

Sequence: A071289
Score: 6.75793
Type of gen. func.: ogf

$$\frac{x (3 x^5 + 7 x^4 + 16 x^3 + 12 x^2 + 9 x + 1)}{(x + 1)^3 (x - 1)^4}$$

Sequence: A071289
Score: 9.01035
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^6 + 12 x^5 + 43 x^4 + 52 x^3 + 57 x^2 + 20 x + 5)}{(x - 1) (x + 1) (3 x^5 + 7 x^4 + 16 x^3 + 12 x^2 + 9 x + 1)}$$

Sequence: A071355
Score: 14.0361
Type of gen. func.: ogf

$$\frac{2 x^2 - 3 x - 3}{(x - 1)^3}$$

Sequence: A071355
Score: 24.7245
Type of gen. func.: lgdogf

$$- \frac{2 (2 + x) (x - 3)}{(x - 1) (2 x^2 - 3 x - 3)}$$

Sequence: A071355
Score: 7.25594
Type of gen. func.: ogf

3 2 2

$$(6576 f(x) - 59053) (f(x) x - 3 f(x) x + 3 f(x) x - 2 x - f(x) + 3 x + 3)$$

Sequence: A071355
Score: 7.51053
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3, a(1) = 12, a(2) = 25\}$$

Sequence: A071356
Score: 11.6207
Type of gen. func.: ogf

$$2 f(x)^2 x^2 + 2 f(x) x - f(x) + 1$$

Sequence: A071356
Score: 4.54054
Type of gen. func.: ogf

$$\{(4 n + 8) a(n + 1) + (4 n + 14) a(n + 2) + (-n - 5) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A071356
Score: 44.8497
Type of gen. func.: revogf

$$\frac{x}{2 x^2 + 2 x + 1}$$

Sequence: A071357
Score: 11.6752
Type of gen. func.: ogf

$$-4 x^3 f(x)^2 - 4 f(x) x + f(x) - x$$

Sequence: A071357
Score: 12.5775
Type of gen. func.: lgdogf

$$-\frac{2\left(-1+4x+4x^2+(-4x^2-4x+1)^{1/2}\right)}{x\,(4x^2+4x-1)}$$

Sequence: A071357
Score: 3.86989
Type of gen. func.: ogf

$$\{(4n^2+20n+24)\,a(n+1)+(4n^2+26n+42)\,a(n+2)$$

$$+(-n^2-8n-12)\,a(n+3),\ a(0)=0,\ a(1)=1,\ a(2)=4\}$$

Sequence: A071359
Score: 13.8200
Type of gen. func.: revogf

$$\frac{-1-x-x^2+(x^4+6x^3+3x^2+2x+1)^{1/2}}{2x^2}$$

Sequence: A071359
Score: 8.74622
Type of gen. func.: ogf

$$f(x)^2\,x^2+f(x)^2\,x+f(x)\,x-f(x)+x$$

Sequence: A071408
Score: 10.0925
Type of gen. func.: ogf

$$\frac{x\,(x+1)\,(x^2-x-1)}{(x^2+x+1)\,(x-1)^3}$$

Sequence: A071408
Score: 13.8875

Type of gen. func.: lgdogf

$$-\frac{2\,(2+x)\,(x^4-x^3-x^2-x-1)}{(x-1)\,(x+1)\,(x^2+x+1)\,(x^2-x-1)}$$

Sequence: A071419
Score: 6.30278
Type of gen. func.: ogf

$$(23\,x^{11}+11\,x^{10}-25\,x^9+x^8+2\,x^7+7\,x^6+7\,x^5-5\,x^4+2\,x^3+3\,x^2+x+1) \Big/ ((x+1)^2\,(x-1)^2)$$

Sequence: A071423
Score: 8.28169
Type of gen. func.: ogf

$$\frac{x^{10}-x^9-x^6-x^3-1}{(x+1)\,(x^4+x^3+x^2+x+1)\,(x^4-x^3+x^2-x+1)\,(x-1)^3}$$

Sequence: A071440
Score: 7.89544
Type of gen. func.: ogf

$$-\frac{18\,x^9+131\,x^8+96\,x^7+92\,x^6+48\,x^5+26\,x^4+42\,x^3+6\,x^2+2\,x+1}{(x-1)\,(x+1)\,(x^2+1)\,(x^4+1)}$$

Sequence: A071533
Score: 7.53953
Type of gen. func.: ogf

$$-\frac{243\,x^4+54\,x^3+3\,x^2-x+1}{(3\,x-1)\,(81\,x^4+45\,x^3+16\,x^2+5\,x+1)}$$

Sequence: A071534
Score: 10.1255
Type of gen. func.: lgdogf

$$-\frac{x^8+6x^6-6x^5+14x^4-14x^3+18x^2-3}{(x-1)(x^4+x^3+4x^2+x+1)(x^4+3x^2-3x+1)}$$

Sequence: A071534
Score: 11.1924
Type of gen. func.: ogf

$$-\frac{x^4+3x^2-3x+1}{(x-1)(x^4+x^3+4x^2+x+1)}$$

Sequence: A071535
Score: 6.81762
Type of gen. func.: ogf

$$-\frac{64x^4-80x^3+36x^2-5x+1}{(-1+4x)^5}$$

Sequence: A071539
Score: 11.1288
Type of gen. func.: ogf

$$-\frac{6x(8x-3)}{(x-1)(6x-1)(3x-1)(2x-1)}$$

Sequence: A071539
Score: 5.68449
Type of gen. func.: ogf

$(3485 f(x) + 294834)$

$$(36 f(x) x^4 - 72 f(x) x^3 + 47 f(x) x^2 - 12 f(x) x + 48 x^2 + f(x) - 18 x)$$

Sequence: A071568
Score: 17.2711
Type of gen. func.: lgdogf

$$-\frac{x^3 - 7 x^2 - 7 x - 11}{(x - 1) (x^3 - 5 x^2 + x - 3)}$$

Sequence: A071568
Score: 4.06774
Type of gen. func.: ogf

$$\{(-23 n^2 - 109 n - 126) a(n + 1) + (22 n^2 + 20 n - 84) a(n + 2)$$

$$+ (n^2 + 17 n + 42) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 11\}$$

Sequence: A071568
Score: 5.3371
Type of gen. func.: ogf

$$(153 f(x) + 248)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 5 x^2 + f(x) + x - 1)$$

Sequence: A071568
Score: 9.77314
Type of gen. func.: ogf

$$\frac{x^3 + 5 x^2 - x + 1}{(x - 1)^4}$$

Sequence: A071578
Score: 14.7260
Type of gen. func.: ogf

$$- x (x^2 - x + 1) (x^{27} + x^{26} - x^{24} - x^{23} + x^{21} + x^{20} - x^{18} - x^{17} + x^{15} + x^{14}$$

$$- x^{12} - x^{11} + x^{9} + x^{8} + x^{7} - x^{5} - x^{4} + x^{2} + 2 x + 1)/(x - 1)$$

Sequence: A071618
Score: 8.27626
Type of gen. func.: lgdogf

$$- \frac{2 x^{7} - 3 x^{6} + 6 x^{4} - 18 x^{3} + 6 x^{2} - 2 x + 3}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - 3 x + 1) (x^{2} - x + 1)}$$

Sequence: A071618
Score: 9.54837
Type of gen. func.: ogf

$$- \frac{(x^{2} - x + 1) x (x + 1)}{(x - 1) (x^{2} + x + 1) (x^{2} - 3 x + 1)}$$

Sequence: A071619
Score: 13.4866
Type of gen. func.: lgdogf

$$- \frac{2 x^{5} + 5 x^{4} + 8 x^{3} + 12 x^{2} + 6 x + 3}{(x - 1) (x + 1) (x^{2} + 1) (x^{2} + x + 1)}$$

Sequence: A071619
Score: 29.5718
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{3} + x^{2} + 3$$

Sequence: A071619
Score: 4.06425
Type of gen. func.: ogf

$$\{(n^{2} + 6 n + 10) a(n + 1) + (2 n + 5) a(n + 2) + (2 n + 5) a(n + 3)$$

$$+ (-n^2 - 4 n - 5) a(n + 4), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 6\}$$

Sequence: A071619
Score: 9.68112
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^2 + 1)}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A071679
Score: 14.8935
Type of gen. func.: ogf

$$-\frac{(x + 1)^2}{x^2 + x - 1}$$

Sequence: A071679
Score: 31.6001
Type of gen. func.: lgdogf

$$-\frac{3 + x}{(x + 1) (x^2 + x - 1)}$$

Sequence: A071679
Score: 7.73879
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1), a(0) = 1, a(1) = 3, a(2) = 5\}$$

Sequence: A071679
Score: 8.13769
Type of gen. func.: ogf

$$-(2 + 7 f(x)) (f(x) x^2 + f(x) x + x^2 - f(x) + 2 x + 1)$$

Sequence: A071683
Score: 10.1114
Type of gen. func.: ogf

$$-\frac{13 x^{3} + 55 x^{2} + 1}{x^{2} + 4 x - 1}$$

Sequence: A071683
Score: 5.0989
Type of gen. func.: ogf

$$-(2074665 f(x) - 108357433) (f(x) x^{2} + 13 x^{3} + 4 f(x) x + 55 x^{2} - f(x) + 1)$$

Sequence: A071683
Score: 5.09890
Type of gen. func.: ogf

$$\{a(n + 4) - 4 a(n + 3) - a(n + 2), a(0) = 1, a(1) = 4, a(2) = 72, a(3) = 305\}$$

Sequence: A071683
Score: 9.27312
Type of gen. func.: lgdogf

$$\frac{13 x^{4} + 104 x^{3} + 181 x^{2} - 112 x - 4}{(x^{2} + 4 x - 1) (13 x^{3} + 55 x^{2} + 1)}$$

Sequence: A071701
Score: 13.6217
Type of gen. func.: ogf

$$-\frac{x^{4} (x^{4} + 1) (x^{8} - x^{4} + 1) (x^{8} + 1) (x^{16} - x^{8} + 1)}{x - 1}$$

Sequence: A071701
Score: 8.80597
Type of gen. func.: lgdogf

$$\frac{35 x^{36} - 36 x^{35} + 23 x^{24} - 24 x^{23} + 11 x^{12} - 12 x^{11} - 1}{(x - 1) (x^4 + 1) (x^8 - x^4 + 1) (x^8 + 1) (x^{16} - x^8 + 1)}$$

Sequence: A071716
Score: 7.13853
Type of gen. func.: ogf

$$-f(x)^2 x - 2 f(x) x^2 - x^3 + f(x) x + f(x) - x - 1$$

Sequence: A071717
Score: 6.98026
Type of gen. func.: ogf

$$f(x)^2 x^2 + 3 f(x) x^2 + x^3 + f(x) x - f(x) + x + 1$$

Sequence: A071718
Score: 6.13692
Type of gen. func.: ogf

$$x^3 f(x)^2 - 2 f(x) x^3 + 4 f(x) x^2 + x^3 + 2 f(x) x - f(x) + x + 1$$

Sequence: A071719
Score: 5.76208
Type of gen. func.: ogf

$$-f(x)^2 x^4 + 5 f(x) x^3 - 3 f(x) x^2 - x^3 - 3 f(x) x + f(x) - x - 1$$

Sequence: A071721
Score: 7.01643
Type of gen. func.: ogf

$$f(x)^2 x^2 - 2 f(x) x^2 + 6 f(x) x + x^2 - 2 f(x) - 2 x + 2$$

Sequence: A071722
Score: 7.3781
Type of gen. func.: ogf

$$-x^3 f(x)^2 + 5 f(x) x^2 - 8 f(x) x - x^2 + 2 f(x) + 2 x - 2$$

Sequence: A071723
Score: 6.78521
Type of gen. func.: ogf

$$-f(x)^2 x^4 - 2 f(x) x^3 + 11 f(x) x^2 - 10 f(x) x - x^2 + 2 f(x) + 2 x - 2$$

Sequence: A071724
Score: 7.39478
Type of gen. func.: ogf

$$f(x)^2 x^2 - 2 f(x) x^2 + 3 f(x) x + x^2 - f(x) - 2 x + 1$$

Sequence: A071725
Score: 6.98026
Type of gen. func.: ogf

$$x^3 f(x)^2 - 6 f(x) x^2 + 5 f(x) x + 4 x^2 - f(x) - 4 x + 1$$

Sequence: A071731
Score: 5.40211
Type of gen. func.: ogf

$$f(x)^2 x^2 - 2 f(x) x^3 + x^4 + 4 f(x) x^2 + f(x) x - 2 x^2 - f(x) + x + 1$$

Sequence: A071732
Score: 5.65403
Type of gen. func.: ogf

$$-x^3 f(x)^2 + 5 f(x) x^3 - x^4 - 5 f(x) x^2 - 2 f(x) x + 2 x^2 + f(x) - x - 1$$

Sequence: A071733
Score: 4.61176
Type of gen. func.: ogf

$$-f(x)^2 x^4 - 2 f(x) x^4 + 9 f(x) x^3 - x^4 - 4 f(x) x^2 - 3 f(x) x + 2 x^2 + f(x) - x - 1$$

Sequence: A071735
Score: 3.93192
Type of gen. func.: ogf

$$\{(-40 n^2 + 20 n) a(n) + (62 n^2 + 136 n - 10) a(n + 1) + (-13 n^2 - 51 n + 4) a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A071735
Score: 6.98026
Type of gen. func.: ogf

$$-f(x)^2 x^2 + 5 f(x) x^2 - x^3 - 7 f(x) x + 2 f(x) + 3 x - 2$$

Sequence: A071736
Score: 3.31742
Type of gen. func.: ogf

$$\{(-188 n^3 - 490 n^2 - 198 n) a(n) + (219 n^3 + 1155 n^2 + 1524 n + 120) a(n + 1) + (-43 n^3 - 305 n^2 - 458 n - 40) a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A071736
Score: 6.07676
Type of gen. func.: ogf

$$-x^3 f(x)^2 - 2 f(x) x^3 + 9 f(x) x^2 - x^3 - 9 f(x) x + 2 f(x) + 3 x - 2$$

Sequence: A071737
Score: 5.68551
Type of gen. func.: ogf

$$f(x)^{2} x^{4} + 7 f(x) x^{3} - 16 f(x) x^{2} + x^{3} + 11 f(x) x - 2 f(x) - 3 x + 2$$

Sequence: A071738
Score: 3.44975
Type of gen. func.: ogf

$$\{(-88 n^{3} - 84 n^{2} + 64 n) a(n) + (74 n^{3} + 276 n^{2} + 202 n - 48) a(n + 1)$$
$$+ (-13 n^{3} - 75 n^{2} - 86 n + 24) a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A071738
Score: 6.65055
Type of gen. func.: ogf

$$-f(x)^{2} x^{2} + 5 f(x) x^{2} - x^{3} - 4 f(x) x - 2 x^{2} + f(x) + 3 x - 1$$

Sequence: A071739
Score: 5.45809
Type of gen. func.: ogf

$$-x^{3} f(x)^{2} - 2 f(x) x^{3} + 7 f(x) x^{2} - x^{3} - 5 f(x) x - 2 x^{2} + f(x) + 3 x - 1$$

Sequence: A071740
Score: 5.60528
Type of gen. func.: ogf

$$-f(x)^{2} x^{4} - 7 f(x) x^{3} + 11 f(x) x^{2} - x^{3} - 6 f(x) x - 2 x^{2} + f(x) + 3 x - 1$$

Sequence: A071755
Score: 5.40211
Type of gen. func.: ogf

2 2 3 4 2 2

$$f(x) x + 2 f(x) x + x - 9 f(x) x + 8 f(x) x + 2 x - 2 f(x) - 4 x + 2$$

Sequence: A071756
Score: 5.55738
Type of gen. func.: ogf

$$x^{3} f(x)^{2} + 7 f(x) x^{3} + x^{4} - 14 f(x) x^{2} + 10 f(x) x + 2 x^{2} - 2 f(x) - 4 x + 2$$

Sequence: A071757
Score: 4.51003
Type of gen. func.: ogf

$$-f(x)^{2} x^{4} + 2 f(x) x^{4} - 16 f(x) x^{3} - x^{4} + 22 f(x) x^{2} - 12 f(x) x - 2 x^{2} + 2 f(x) + 4 x - 2$$

Sequence: A071765
Score: 4.58241
Type of gen. func.: ogf

$$-(173591 f(x) + 19099656) (144 f(x) x^{4} - 240 f(x) x^{3} + 115 f(x) x^{2} - 20 f(x) x + 360 x^{2} + f(x) - 96 x)$$

Sequence: A071768
Score: 11.6898
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^{5} + 16 x^{4} - 2 x^{3} - 4 x^{2} + 11 x + 2)}{(x - 1) (2 x + 1) (x^{2} + x + 1) (2 x^{2} + 5 x - 1)}$$

Sequence: A071768
Score: 8.77986
Type of gen. func.: ogf

$$- \frac{x (2 x + 1) (2 x^{2} + 5 x - 1)}{(x - 1) (x^{2} + x + 1)^{2}}$$

Sequence: A071769
Score: 3.92562
Type of gen. func.: ogf

$$- x (2304 x^{8} + 2304 x^{7} + 1280 x^{6} - 704 x^{5} + 224 x^{4} + 48 x^{3} + 16 x^{2} - 4 x + 1) / ((2 x - 1)^{2} (2 x + 1)^{2} (4 x^{2} + 1)^{3})$$

Sequence: A071784
Score: 11.2511
Type of gen. func.: ogf

$$\frac{3 x^{2} - 2}{(x - 1) (x^{3} - x^{2} + 1)}$$

Sequence: A071784
Score: 13.4714
Type of gen. func.: lgdogf

$$- \frac{6 x^{5} - 6 x^{4} - 8 x^{3} + 9 x^{2} + 2 x - 2}{(x - 1) (3 x^{2} - 2) (x^{3} - x^{2} + 1)}$$

Sequence: A071784
Score: 5.66914
Type of gen. func.: ogf

$$-(9 f(x) + 4) (f(x) x^{4} - 2 f(x) x^{3} + f(x) x^{2} + f(x) x - 3 x^{2} - f(x) + 2)$$

Sequence: A071816
Score: 10.7435
Type of gen. func.: lgdogf

$$- \frac{2 (x^{4} + 23 x^{3} + 93 x^{2} + 71 x + 10)}{}$$

$$(x - 1) (x^4 + 14 x^3 + 36 x^2 + 14 x + 1)$$

Sequence: A071816
Score: 6.45275
Type of gen. func.: ogf

$$\frac{x^4 + 14 x^3 + 36 x^2 + 14 x + 1}{(x - 1)^6}$$

Sequence: A071817
Score: 8.76317
Type of gen. func.: ogf_with_Euler_transform]

$$-2 x^9 - x^8 + 3$$

Sequence: A071831
Score: 5.46097
Type of gen. func.: ogf

$$(15 x^{27} + 9 x^{22} + 15 x^{20} + 5 x^{16} + 9 x^{15} + 15 x^{13} + 3 x^{11} + 5 x^9 + 9 x^8 - 15 x^6 - 5 x^5 - 3 x^4 - 4 x^3 - 5 x^2 - 9 x - 1) / (2 x^7 - 1)$$

Sequence: A071832
Score: 6.19558
Type of gen. func.: ogf

$$(x^{27} + x^{22} + 2 x^{20} + x^{16} + 2 x^{15} + 4 x^{13} + x^{11} + 2 x^9 + 4 x^8 - 8 x^6 - 3 x^5 - 2 x^4 - 3 x^3 - 4 x^2 - 8 x - 1) / ((x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1))$$

Sequence: A071833
Score: 8.62392

Type of gen. func.: ogf

$$-\frac{45 x^6 + 40 x^5 + 36 x^4 + 32 x^3 + 30 x^2 + 27 x + 24}{2 x^7 - 1}$$

Sequence: A071840
Score: 7.85589
Type of gen. func.: ogf

$$-\frac{x^2 (x^{48} - x^{40} - x^{32} + x^{24} - 1)}{(x + 1) (x^2 + 1) (x^4 + 1) (x^{32} + 1) (x - 1)^2}$$

Sequence: A071841
Score: 6.39920
Type of gen. func.: ogf

$$\frac{x^4 (2 x^{48} + x^{32} + 4 x^{24} + 2)}{(x - 1) (x^{48} + x^{40} - x^{32} - 2 x^{16} + 2 x^8 - 2)}$$

Sequence: A071878
Score: 19.3397
Type of gen. func.: revogf

$$\frac{x}{(2 x + 1) (1 + 3 x) (x + 1)}$$

Sequence: A071878
Score: 8.48791
Type of gen. func.: ogf

$$6 x^3 f(x)^3 + 11 f(x)^2 x^2 + 6 f(x) x - f(x) + 1$$

Sequence: A071879
Score: 11.4718
Type of gen. func.: ogf

$$x^3 f(x)^3 + f(x) x - f(x) + 1$$

Sequence: A071879
Score: 60.2940
Type of gen. func.: revogf

$$\frac{x}{x^3 + x + 1}$$

Sequence: A071902
Score: 10.7312
Type of gen. func.: lgdogf

$$- \frac{2 x^4 - 29 x^3 - 113 x^2 - 95 x - 5}{(x - 1) (x^4 - 11 x^3 - 20 x^2 - 11 x + 1)}$$

Sequence: A071902
Score: 6.51495
Type of gen. func.: ogf

$$- \frac{x^4 - 11 x^3 - 20 x^2 - 11 x + 1}{(x - 1)^6}$$

Sequence: A071910
Score: 24.1452
Type of gen. func.: lgdogf

$$- \frac{5 (x^2 + 4 x + 2)}{(x - 1) (x^2 + 3 x + 1)}$$

Sequence: A071910
Score: 3.89527
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-6 + 2 n) a(n + 3) + (-22 - 2 n) a(n + 2)$$

$$+ (-n - 5) a(n + 1), a(0) = 0, a(1) = 18, a(2) = 180, a(3) = 900\}$$

Sequence: A071910
Score: 7.52837
Type of gen. func.: ogf

$$- \frac{18 x (x^2 + 3 x + 1)}{(x - 1)^7}$$

Sequence: A071930
Score: 10.1505
Type of gen. func.: ogf

$$-8 f(x) x^2 - 2 f(x) x + f(x) - 6 x$$

Sequence: A071930
Score: 14.7368
Type of gen. func.: revogf

$$\frac{-x - 3 + (3 x^2 + 2 x + 3)^{1/2} 3^{1/2}}{8 x}$$

Sequence: A071930
Score: 16.1859
Type of gen. func.: ogf

$$- \frac{6 x}{(2 x + 1) (-1 + 4 x)}$$

Sequence: A071930
Score: 21.8323
Type of gen. func.: lgdogf

$$- \frac{2 (8 x + 1)}{}$$

$$(2 x + 1) (-1 + 4 x)$$

Sequence: A071930
Score: 7.39357
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 8 a(n), a(0) = 0, a(1) = 6\}$$

Sequence: A071934
Score: 8.83580
Type of gen. func.: ogf

$$\frac{x^7 + x^6 + x^5 + x^4 + x^3 + x^2 - x + 1}{(x + 1) (x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A071936
Score: 13.0715
Type of gen. func.: ogf

$$-\frac{x^7 + x^6 + x^5 + x^4 + x^3 + x^2 - x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A071937
Score: 6.14467
Type of gen. func.: egf]

$$-(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A071938
Score: 8.77747
Type of gen. func.: lgdogf

$$-1 + (3 - 3 x) f(x) + (-3 x^2 + 6 x - 3) f(x)^2 + (-x^3 + 3 x^2 - 3 x + 1) f(x)^3$$

Sequence: A071952
Score: 3.76838
Type of gen. func.: ogf

$$(1821906383 f(x) + 49779000)$$

$$(2880 f(x) x^4 - 2304 f(x) x^3 + 508 f(x) x^2 - 40 f(x) x + f(x) - 1)$$

Sequence: A071952
Score: 8.18780
Type of gen. func.: lgdogf

$$-\frac{8 (1440 x^3 - 864 x^2 + 127 x - 5)}{(12 x - 1) (6 x - 1) (20 x - 1) (2 x - 1)}$$

Sequence: A071952
Score: 9.22603
Type of gen. func.: ogf

$$\frac{1}{(12 x - 1) (6 x - 1) (20 x - 1) (2 x - 1)}$$

Sequence: A071953
Score: 17.4715
Type of gen. func.: lgdogf

$$-\frac{15 x^2 + 42 x + 13}{(x - 1) (3 x^2 + 6 x + 1)}$$

Sequence: A071953
Score: 6.66440
Type of gen. func.: ogf

$$-\frac{4 (3 x^2 + 6 x + 1)}{(x - 1)^7}$$

Sequence: A071954
Score: 12.0130
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^3 - 9 x^2 + 5 x - 1)}{(x - 1) (3 x - 1) (x^2 - 4 x + 1)}$$

Sequence: A071954
Score: 13.7701
Type of gen. func.: ogf

$$\frac{2 (3 x - 1)}{(x - 1) (x^2 - 4 x + 1)}$$

Sequence: A071954
Score: 6.45853
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 5 a(n + 1) - a(n), a(0) = 2, a(1) = 4, a(2) = 10\}$$

Sequence: A071954
Score: 6.95061
Type of gen. func.: ogf

$$(81 f(x) + 55) (f(x) x^3 - 5 f(x) x^2 + 5 f(x) x - f(x) - 6 x + 2)$$

Sequence: A071969
Score: 13.4418
Type of gen. func.: ogf

$$-1 + f(x) - f(x)^2 x - x^3 f(x)^3$$

Sequence: A071969
Score: 31.1894
Type of gen. func.: revogf

$$- \frac{x (x - 1)}{\quad}$$

```
                                         2
                               (x + 1) (x  - x + 1)



------------------------------------------------------------------------------

Sequence:  A071976
Score: 9.15082
Type of gen. func.: lgdogf


                             2                  2
8 + (-12 + 48 x) f(x) + (96 x  - 48 x + 6) f(x)

            3        2                    3
     + (64 x  - 48 x  + 12 x - 1) f(x)



------------------------------------------------------------------------------

Sequence:  A072025
Score: 15.7511
Type of gen. func.: lgdogf


                               3       2
                              x  + 15 x  + 33 x + 11
                        - ------------------------------
                                            2
                          (x - 1) (x + 1) (x  + 4 x + 1)



------------------------------------------------------------------------------

Sequence:  A072025
Score: 8.24956
Type of gen. func.: ogf


                               2                   2
                             (x  + 4 x + 1) (x + 1)
                           - ----------------------
                                              5
                                    (x - 1)



------------------------------------------------------------------------------

Sequence:  A072051
Score: 3.31826
Type of gen. func.: ogf


                                                   2
                            (11 f(x) x - f(x) + 11)



------------------------------------------------------------------------------

Sequence:  A072065
Score: 10.5855
Type of gen. func.: lgdogf


                     6      5       4       3       2
                  2 x  + 7 x  + 31 x  + 20 x  + 14 x  + 13 x + 9
```

$$-\frac{}{(x - 1) (x + 1) (x^2 + 1) (x^3 + 2 x^2 + 7 x + 2)}$$

Sequence: A072065
Score: 11.7695
Type of gen. func.: ogf

$$\frac{x (x^3 + 2 x^2 + 7 x + 2)}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A072100
Score: 3.63431
Type of gen. func.: ogf

$$\{(-8 - 4 n) a(n + 1) + (4 n + 6) a(n + 2) + (n + 6) a(n + 3)$$
$$+ (-n - 4) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 5\}$$

Sequence: A072100
Score: 5.60886
Type of gen. func.: ogf

$$2 x^3 f(x)^2 - 5 f(x)^2 x^2 + 4 f(x)^2 x + 2 f(x) x^2 - f(x)^2 - 3 f(x) x + f(x) + x$$

Sequence: A072110
Score: 12.2075
Type of gen. func.: ogf

$$\frac{3 x - 1}{(x - 1) (x^2 - 4 x + 1)}$$

Sequence: A072110
Score: 12.9412
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^3 - 9 x^2 + 5 x - 1)}{{}^2}$$

$$(x - 1) (3 x - 1) (x - 4 x + 1)$$

Sequence: A072110
Score: 5.77674
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 5 a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A072110
Score: 6.10372
Type of gen. func.: ogf

$$(162 f(x) + 55) (f(x) x^{3} - 5 f(x) x^{2} + 5 f(x) x - f(x) - 3 x + 1)$$

Sequence: A072129
Score: 2.46816
Type of gen. func.: ogf

$$(f(x) - 1)^{2} (-6 x^{4} + f(x) - 1)$$

Sequence: A072130
Score: 7.29382
Type of gen. func.: lgdogf

$$- \frac{2 x^{7} - 3 x^{6} - 8 x^{5} + 14 x^{4} + 2 x^{3} + 2 x^{2} + 2 x - 5}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - 3 x + 1) (x^{2} - x - 1)}$$

Sequence: A072130
Score: 8.22765
Type of gen. func.: ogf

$$\frac{x (x + 1) (x^{2} - x - 1)}{(x - 1) (x^{2} + x + 1) (x^{2} - 3 x + 1)}$$

Sequence: A072132
Score: 10.7250
Type of gen. func.: lgdegf]

$$-8 + (12 - 12 x) f(x) + (-6 x^2 + 12 x - 6) f(x)^2 + (-x^3 + 3 x^2 - 3 x + 1) f(x)^3$$

Sequence: A072134
Score: 7.29210
Type of gen. func.: lgdogf

$$\frac{18 x^7 + 54 x^6 + 42 x^5 - 3 x^4 - 10 x^3 + 20 x^2 + 22 x + 5}{(x + 1) (3 x^2 - 1) (3 x^5 + 9 x^4 + 11 x^3 - 2 x^2 - 8 x - 3)}$$

Sequence: A072134
Score: 8.47497
Type of gen. func.: ogf

$$\frac{3 x^5 + 9 x^4 + 11 x^3 - 2 x^2 - 8 x - 3}{(x + 1) (3 x^2 - 1)}$$

Sequence: A072150
Score: 5.52323
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 5 x^{10} + 7 x^9 + 7 x^8 + 8 x^7 + 9 x^6 + 8 x^5 + 7 x^4 + 7 x^3 + 5 x^2 + 3 x + 1) / ((x^6 + x^3 + 1) (x - 1)^2 (x^2 + x + 1)^2)$$

Sequence: A072153
Score: 5.38208
Type of gen. func.: ogf

$$\frac{(x^6 + x^3 + 1) (x^2 + x + 1)^2}{(x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A072154
Score: 23.0331
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^4 - x + 3$$

Sequence: A072154
Score: 8.20820
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^2 - x + 1) (x + 1)^2}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A072167
Score: 8.45065
Type of gen. func.: egf]

$$-(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A072172
Score: 12.4212
Type of gen. func.: ogf

$$\frac{5 (25 x + 1)}{(25 x - 1)^2}$$

Sequence: A072172
Score: 16.0518
Type of gen. func.: revogf

$$- \frac{-1 - 10 x + (1 + 40 x)^{1/2}}{50 (5 x - 1)}$$

Sequence: A072172
Score: 20.3323

Type of gen. func.: lgdogf

$$-\frac{25\,(3 + 25\,x)}{(25\,x - 1)\,(25\,x + 1)}$$

Sequence: A072172
Score: 6.67806
Type of gen. func.: ogf

$$(16\,f(x) + 325)\,(625\,f(x)\,x^{2} - 50\,f(x)\,x + f(x) - 125\,x - 5)$$

Sequence: A072172
Score: 7.13862
Type of gen. func.: ogf

$$\{-a(n + 2) + 50\,a(n + 1) - 625\,a(n),\ a(0) = 5,\ a(1) = 375\}$$

Sequence: A072173
Score: 12.5203
Type of gen. func.: revogf

$$-\frac{-1 - 478\,x + (1 + 1912\,x)^{1/2}}{114242\,(-1 + 239\,x)}$$

Sequence: A072173
Score: 14.3090
Type of gen. func.: lgdogf

$$-\frac{57121\,(3 + 57121\,x)}{(57121\,x - 1)\,(57121\,x + 1)}$$

Sequence: A072173
Score: 5.39987
Type of gen. func.: ogf

$$(16\,f(x) + 15535)$$

$$(3262808641\,f(x)\,x^{2} - 114242\,f(x)\,x + f(x) - 13651919\,x - 239)$$

Sequence: A072175
Score: 7.43838
Type of gen. func.: ogf

$$-\frac{2x^7+2x^6+x^5-x^4+x+1}{(x-1)(x^4+1)(x^2+1)}$$

Sequence: A072175
Score: 9.30792
Type of gen. func.: lgdogf

$$-2(x^2+x+1)(2x^{10}-3x^9+x^8+x^7-x^5+6x^4-3x^3+2x^2-2x+1) \Big/ ((x-1)(x^2+1)(x^4+1)(2x^7+2x^6+x^5-x^4+x+1))$$

Sequence: A072176
Score: 10.9203
Type of gen. func.: lgdogf

$$-\frac{3x^6+2x^5-10x^4+5x^2-1}{(x-1)(x^2+x-1)(x^4-2x^2-x+1)}$$

Sequence: A072176
Score: 8.97619
Type of gen. func.: ogf

$$\frac{x^2+x-1}{(x-1)(x^4-2x^2-x+1)}$$

Sequence: A072196
Score: 4.63874
Type of gen. func.: ogf

2

$$(4487 f(x) + 1662) (64 f(x) x - 65 f(x) x + f(x) - 18 x - 3)$$

Sequence: A072196
Score: 5.07026
Type of gen. func.: ogf

$$\{-a(n + 2) + 65 a(n + 1) - 64 a(n), a(0) = 3, a(1) = 213\}$$

Sequence: A072196
Score: 8.68942
Type of gen. func.: revogf

$$-\frac{-3 - 65 x + (3969 x^2 + 462 x + 9)^{1/2}}{4 (-9 + 32 x)}$$

Sequence: A072196
Score: 9.08421
Type of gen. func.: ogf

$$\frac{3 (6 x + 1)}{(64 x - 1) (x - 1)}$$

Sequence: A072196
Score: 9.90190
Type of gen. func.: lgdogf

$$-\frac{384 x^2 + 128 x - 71}{(x - 1) (64 x - 1) (6 x + 1)}$$

Sequence: A072197
Score: 14.7069
Type of gen. func.: revogf

$$-\frac{-3 - 5 x + (9 x^2 + 22 x + 9)^{1/2}}{4 (1 + 2 x)}$$

Sequence: A072197
Score: 16.2550
Type of gen. func.: lgdogf

$$-\frac{8x^2 - 24x + 13}{(x-1)(4x-1)(2x-3)}$$

Sequence: A072197
Score: 16.6666
Type of gen. func.: ogf

$$-\frac{2x - 3}{(x-1)(4x-1)}$$

Sequence: A072197
Score: 8.62067
Type of gen. func.: ogf

$$(41 f(x) + 46) (4 f(x) x^2 - 5 f(x) x + f(x) + 2 x - 3)$$

Sequence: A072197
Score: 9.03613
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - 4 a(n), a(0) = 3, a(1) = 13\}$$

Sequence: A072201
Score: 12.1133
Type of gen. func.: ogf

$$-\frac{14x - 15}{(x-1)(4x-1)}$$

Sequence: A072201
Score: 12.3810
Type of gen. func.: revogf

$$-15 - 5 x + (9 x^2 + 94 x + 225)^{1/2}$$

$$- \frac{}{4 (7 + 2 x)}$$

Sequence: A072201
Score: 13.2654
Type of gen. func.: lgdogf

$$- \frac{56 x^2 - 120 x + 61}{(14 x - 15) (x - 1) (4 x - 1)}$$

Sequence: A072201
Score: 6.25633
Type of gen. func.: ogf

$$(185 f(x) + 946) (4 f(x) x^2 - 5 f(x) x + f(x) + 14 x - 15)$$

Sequence: A072201
Score: 6.77768
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - 4 a(n), a(0) = 15, a(1) = 61\}$$

Sequence: A072221
Score: 11.7058
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^4 - 3 x^3 - 2 x^2 - 3 x + 2)}{(x - 1) (x^2 - 6 x + 1) (4 x^2 - 3 x + 1)}$$

Sequence: A072221
Score: 11.7195
Type of gen. func.: ogf

$$- \frac{4 x^2 - 3 x + 1}{(x - 1) (x^2 - 6 x + 1)}$$

Sequence: A072221
Score: 6.16287
Type of gen. func.: ogf

$$(1208 f(x) - 581) (f(x) x^3 - 7 f(x) x^2 + 7 f(x) x + 4 x^2 - f(x) - 3 x + 1)$$

Sequence: A072221
Score: 6.32648
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 7 a(n + 1) - a(n), a(0) = 1, a(1) = 4, a(2) = 25\}$$

Sequence: A072222
Score: 11.1056
Type of gen. func.: ogf

$$\frac{2 x^7 - 4 x^6 + 4 x^4 - x^2 + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A072222
Score: 8.86638
Type of gen. func.: lgdogf

$$\frac{6 x^9 - 10 x^8 + 2 x^7 - 10 x^6 + 20 x^5 - 2 x^4 - 15 x^3 - 3 x^2 + x - 1}{(x - 1) (x^2 + x + 1) (2 x^7 - 4 x^6 + 4 x^4 - x^2 + 1)}$$

Sequence: A072229
Score: 11.6986
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1) x^4}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A072229
Score: 30.9668
Type of gen. func.: ogf_with_Euler_transform]

$$x^6 - x^3 + 2$$

Sequence: A072229
Score: 8.74555
Type of gen. func.: lgdogf

$$-\frac{5x^9 + 7x^8 + 9x^7 + 11x^6 + 4x^5 + 4x^4 + 4x^3 + 6x^2 + 4x + 2}{(x-1)(x+1)(x^2+1)(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A072251
Score: 10.5467
Type of gen. func.: ogf

$$-\frac{3(24x^2 - 30x + 5)}{(x-1)(4x-1)^2}$$

Sequence: A072251
Score: 13.7613
Type of gen. func.: lgdogf

$$-\frac{3(4x-5)(8x^2 - 8x + 1)}{(x-1)(4x-1)(24x^2 - 30x + 5)}$$

Sequence: A072251
Score: 5.70557
Type of gen. func.: ogf

(1214 f(x) + 7953)

$$(16 f(x) x^3 - 24 f(x) x^2 + 9 f(x) x + 72 x^2 - f(x) - 90 x + 15)$$

Sequence: A072251
Score: 5.89897
Type of gen. func.: ogf

$\{-a(n+3) + 9 a(n+2) - 24 a(n+1) + 16 a(n), a(0) = 15, a(1) = 45, a(2) = 117\}$

Sequence: A072256
Score: 12.7644
Type of gen. func.: ogf

$$-\frac{9 x - 1}{x^2 - 10 x + 1}$$

Sequence: A072256
Score: 13.6948
Type of gen. func.: revogf

$$-\frac{-1 - 10 x + (96 x^2 - 16 x + 1)^{1/2}}{2 (9 + x)}$$

Sequence: A072256
Score: 16.4337
Type of gen. func.: lgdogf

$$-\frac{9 x^2 - 2 x + 1}{(9 x - 1) (x^2 - 10 x + 1)}$$

Sequence: A072256
Score: 6.38221
Type of gen. func.: ogf

$$-(80 f(x) - 79) (f(x) x^2 - 10 f(x) x + f(x) + 9 x - 1)$$

Sequence: A072256
Score: 7.07425
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A072257
Score: 4.13461
Type of gen. func.: ogf

$$(1820 f(x) - 5697)$$
$$(16 f(x) x^3 - 24 f(x) x^2 + 9 f(x) x - 36 x^2 - f(x) + 39 x - 6)$$

Sequence: A072257
Score: 4.31282
Type of gen. func.: ogf

$$\{-a(n + 3) + 9 a(n + 2) - 24 a(n + 1) + 16 a(n), a(0) = -6, a(1) = -15,$$
$$a(2) = -27\}$$

Sequence: A072257
Score: 7.69672
Type of gen. func.: ogf

$$\frac{3 (12 x^2 - 13 x + 2)}{(x - 1) (4 x - 1)^2}$$

Sequence: A072257
Score: 9.20910
Type of gen. func.: lgdogf

$$- \frac{48 x^3 - 92 x^2 + 52 x - 5}{(x - 1) (4 x - 1) (12 x^2 - 13 x + 2)}$$

Sequence: A072258
Score: 12.8279
Type of gen. func.: lgdogf

2

$$-\frac{32 x - 52 x + 23}{(x - 1) (4 x - 3) (4 x - 1)}$$

Sequence: A072258
Score: 4.3903
Type of gen. func.: ogf

$$-(23 f(x) + 27) (16 f(x) x^3 - 24 f(x) x^2 + 9 f(x) x - 12 x^2 - f(x) + 9 x)$$

Sequence: A072258
Score: 4.46732
Type of gen. func.: ogf

$\{-a(n + 3) + 9 a(n + 2) - 24 a(n + 1) + 16 a(n), a(0) = 0, a(1) = 9, a(2) = 69\}$

Sequence: A072258
Score: 8.48790
Type of gen. func.: ogf

$$\frac{3 x (4 x - 3)}{(x - 1) (4 x - 1)^2}$$

Sequence: A072259
Score: 10.6417
Type of gen. func.: ogf

$$-\frac{3 (12 x^2 - 17 x + 4)}{(x - 1) (4 x - 1)^2}$$

Sequence: A072259
Score: 5.57421
Type of gen. func.: ogf

$$-(1796 f(x) + 3753)$$

$$(16 f(x) x^3 - 24 f(x) x^2 + 9 f(x) x + 36 x^2 - f(x) - 51 x + 12)$$

Sequence: A072259
Score: 5.95212
Type of gen. func.: ogf

$\{-a(n+3) + 9 a(n+2) - 24 a(n+1) + 16 a(n), a(0) = 12, a(1) = 57, a(2) = 261\}$

Sequence: A072259
Score: 8.30753
Type of gen. func.: lgdogf

$$-\frac{48 x^3 - 124 x^2 + 92 x - 19}{(x - 1) (4 x - 1) (12 x^2 - 17 x + 4)}$$

Sequence: A072260
Score: 3.80623
Type of gen. func.: ogf

$$-(164 f(x) + 105)$$

$$(16 f(x) x^3 - 24 f(x) x^2 + 9 f(x) x + 12 x^2 - f(x) - 21 x + 6)$$

Sequence: A072260
Score: 4.00142
Type of gen. func.: ogf

$\{-a(n+3) + 9 a(n+2) - 24 a(n+1) + 16 a(n), a(0) = 6, a(1) = 33, a(2) = 165\}$

Sequence: A072260
Score: 7.20255
Type of gen. func.: ogf

$$-\frac{3 (4 x^2 - 7 x + 2)}{(x - 1) (4 x - 1)^2}$$

Sequence: A072260
Score: 8.77670
Type of gen. func.: lgdogf

$$-\frac{(2x-1)(8x^2-22x+11)}{(x-1)(4x-1)(4x^2-7x+2)}$$

Sequence: A072261
Score: 13.3258
Type of gen. func.: ogf

$$-\frac{6x-7}{(x-1)(4x-1)}$$

Sequence: A072261
Score: 13.6581
Type of gen. func.: revogf

$$-\frac{-7-5x+(9x^2+46x+49)^{1/2}}{4(3+2x)}$$

Sequence: A072261
Score: 15.0589
Type of gen. func.: lgdogf

$$-\frac{24x^2-56x+29}{(x-1)(6x-7)(4x-1)}$$

Sequence: A072261
Score: 7.22484
Type of gen. func.: ogf

$$\{-a(n+2)+5a(n+1)-4a(n), a(0)=7, a(1)=29\}$$

Sequence: A072261
Score: 8.16182

Type of gen. func.: ogf

$$(89 f(x) + 218) (4 f(x) x^2 - 5 f(x) x + f(x) + 6 x - 7)$$

Sequence: A072262
Score: 13.0876
Type of gen. func.: ogf

$$- \frac{10 x - 11}{(x - 1) (4 x - 1)}$$

Sequence: A072262
Score: 13.3945
Type of gen. func.: revogf

$$- \frac{-11 - 5 x + (9 x^2 + 70 x + 121)^{1/2}}{4 (5 + 2 x)}$$

Sequence: A072262
Score: 14.7013
Type of gen. func.: lgdogf

$$- \frac{40 x^2 - 88 x + 45}{(10 x - 11) (x - 1) (4 x - 1)}$$

Sequence: A072262
Score: 6.75953
Type of gen. func.: ogf

$$(137 f(x) + 518) (4 f(x) x^2 - 5 f(x) x + f(x) + 10 x - 11)$$

Sequence: A072262
Score: 7.32282
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - 4 a(n), a(0) = 11, a(1) = 45\}$$

Sequence: A072263
Score: 14.9015
Type of gen. func.: ogf

$$\frac{3 x - 2}{5 x^2 + 3 x - 1}$$

Sequence: A072263
Score: 16.8681
Type of gen. func.: lgdogf

$$- \frac{15 x^2 - 20 x - 3}{(3 x - 2) (5 x^2 + 3 x - 1)}$$

Sequence: A072263
Score: 7.36889
Type of gen. func.: ogf

$$-(29 f(x) - 49) (5 f(x) x^2 + 3 f(x) x - f(x) - 3 x + 2)$$

Sequence: A072263
Score: 8.17767
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) + 5 a(n), a(0) = 2, a(1) = 3\}$$

Sequence: A072264
Score: 17.0145
Type of gen. func.: ogf

$$\frac{2 x - 1}{5 x^2 + 3 x - 1}$$

Sequence: A072264
Score: 19.2980

Type of gen. func.: lgdogf

$$-\frac{10 x^2 - 10 x - 1}{(2 x - 1) (5 x^2 + 3 x - 1)}$$

Sequence: A072264
Score: 8.80061
Type of gen. func.: ogf

$$(69 f(x) - 68) (5 f(x) x^2 + 3 f(x) x - f(x) - 2 x + 1)$$

Sequence: A072264
Score: 9.33724
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) + 5 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A072265
Score: 17.0816
Type of gen. func.: ogf

$$\frac{x - 2}{4 x^2 + x - 1}$$

Sequence: A072265
Score: 22.2078
Type of gen. func.: lgdogf

$$-\frac{4 x^2 - 16 x - 1}{(x - 2) (4 x^2 + x - 1)}$$

Sequence: A072265
Score: 8.63675
Type of gen. func.: ogf

2

$$(170 f(x) - 339) (4 f(x) x + f(x) x - f(x) - x + 2)$$

Sequence: A072265
Score: 9.37404
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 4 a(n), a(0) = 2, a(1) = 1\}$$

Sequence: A072266
Score: 4.39543
Type of gen. func.: ogf

$$-f(x) (4 f(x) x^4 - 25 f(x) x^3 - 2 x^4 + 26 f(x) x^2 + 16 x^3 - 9 f(x) x - 20 x^2 + f(x) + 8 x - 1)$$

Sequence: A072266
Score: 6.30770
Type of gen. func.: lgdogf

$$\frac{14 x^6 - 56 x^5 + 126 x^4 - 120 x^3 + 55 x^2 - 12 x + 1}{(4 x - 1) (x^3 - 6 x^2 + 5 x - 1) (2 x^4 - 16 x^3 + 20 x^2 - 8 x + 1)}$$

Sequence: A072266
Score: 7.16110
Type of gen. func.: ogf

$$\frac{2 x^4 - 16 x^3 + 20 x^2 - 8 x + 1}{(4 x - 1) (x^3 - 6 x^2 + 5 x - 1)}$$

Sequence: A072277
Score: 14.7555
Type of gen. func.: lgdogf

$$-\frac{3 x^3 - 13 x^2 + 23 x - 25}{(x - 2) (x - 1) (3 x^2 - 5 x + 5)}$$

Sequence: A072277
Score: 4.06774
Type of gen. func.: ogf

$$\{(7 n^2 + 53 n + 78) a(n + 1) + (-14 n^2 - 96 n - 156) a(n + 2) + (7 n^2 + 43 n + 66) a(n + 3), a(0) = 10, a(1) = 25, a(2) = 51\}$$

Sequence: A072277
Score: 5.05055
Type of gen. func.: ogf

$$(65799 f(x) + 469645) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 3 x^3 - 4 f(x) x - 11 x^2 + f(x) + 15 x - 10)$$

Sequence: A072277
Score: 9.40665
Type of gen. func.: ogf

$$-\frac{(x - 2) (3 x^2 - 5 x + 5)}{(x - 1)^4}$$

Sequence: A072290
Score: 12.0845
Type of gen. func.: lgdogf

$$-\frac{1820 x^3 - 330 x^2 - 21 x - 11}{(x - 1) (10 x - 1) (91 x^2 - 11 x + 1)}$$

Sequence: A072290
Score: 4.86555
Type of gen. func.: ogf

4 3 2

```
(1309122 f(x) + 972067) (100 f(x) x  - 220 f(x) x  + 141 f(x) x  - 22 f(x) x

           2
     - 91 x  + f(x) + 11 x - 1)
```

Sequence: A072290
Score: 9.29445
Type of gen. func.: ogf

```
                                        2
                                    91 x  - 11 x + 1
                                  --------------------
                                            2        2
                                  (10 x - 1)  (x - 1)
```

Sequence: A072328
Score: 11.9721
Type of gen. func.: ogf

```
                                  3          2    2
                         -2 f(x) x  - f(x) x  + x  + f(x) - 3
```

Sequence: A072328
Score: 15.1345
Type of gen. func.: ogf

```
                                         2
                                        x  - 3
                                     -------------
                                        3    2
                                     2 x  + x  - 1
```

Sequence: A072328
Score: 20.2818
Type of gen. func.: lgdogf

```
                                          3
                                    2 x (x  - 9 x - 2)
                               - -------------------------
                                     2          3    2
                                   (x  - 3) (2 x  + x  - 1)
```

Sequence: A072328
Score: 8.62506
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 1) - 2 a(n), a(0) = 3, a(1) = 0, a(2) = 2\}$$

Sequence: A072329
Score: 3.77394
Type of gen. func.: ogf

$$(3165 f(x) - 13591) (3 f(x) x^3 + 2 f(x) x^2 - 2 x^2 - f(x) + 3)$$

Sequence: A072329
Score: 3.89568
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 1) - 3 a(n), a(0) = 3, a(1) = 0, a(2) = 4\}$$

Sequence: A072329
Score: 6.83581
Type of gen. func.: ogf

$$\frac{2 x^2 - 3}{3 x^3 + 2 x^2 - 1}$$

Sequence: A072329
Score: 8.01735
Type of gen. func.: lgdogf

$$- \frac{x (6 x^3 - 27 x - 8)}{(2 x^2 - 3) (3 x^3 + 2 x^2 - 1)}$$

Sequence: A072331
Score: 9.04821
Type of gen. func.: lgdegf]

$$\frac{2 (-32 x - 20 + (-(-1 + 8 x)^3)^{1/2})}{(8 x + 3) (-1 + 8 x)}$$

Sequence: A072333
Score: 3.98865
Type of gen. func.: ogf

$$(x^{18} - 3 x^{17} + 3 x^{16} - x^{15} + x^{10} + x^{9} + 5 x^{8} + 6 x^{6} + x^{5} + 4 x^{4} + 2 x^{3} + 4 x^{2} + 2 x + 1) / ((x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{4})$$

Sequence: A072335
Score: 18.4083
Type of gen. func.: lgdogf

$$- \frac{4 (x^{3} - 3 x^{2} + 1)}{(x - 1) (x + 1) (x^{2} - 4 x + 1)}$$

Sequence: A072335
Score: 20.2531
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (x + 1) (x^{2} - 4 x + 1)}$$

Sequence: A072335
Score: 5.94733
Type of gen. func.: ogf

{a(n + 4) - 4 a(n + 3) + 4 a(n + 1) - a(n), a(0) = 1, a(1) = 4, a(2) = 16,

a(3) = 60}

Sequence: A072335
Score: 7.27536
Type of gen. func.: ogf

$$(1463 f(x) - 31) (f(x) x^{4} - 4 f(x) x^{3} + 4 f(x) x - f(x) + 1)$$

Sequence: A072336
Score: 11.1918
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^3+3x^2-3}{-x^4+3x^3-3x+1}$$

Sequence: A072338
Score: 12.3167
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^3+2x^2-2}{-x^4+2x^3-2x+1}$$

Sequence: A072345
Score: 11.4137
Type of gen. func.: ogf

$$2 f(x) x^4 - 3 f(x) x^2 + 2 x^3 + 2 x^2 + f(x) - 2 x - 1$$

Sequence: A072345
Score: 11.9673
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^6 + 4 x^5 - 3 x^4 - 4 x^3 + x + 1)}{(x - 1) (x + 1) (2 x^2 - 1) (2 x^3 + 2 x^2 - 2 x - 1)}$$

Sequence: A072345
Score: 13.8720
Type of gen. func.: ogf

$$-\frac{2 x^3 + 2 x^2 - 2 x - 1}{(2 x^2 - 1) (x - 1) (x + 1)}$$

Sequence: A072371
Score: 5.92123
Type of gen. func.: ogf

$$\{(4 n^2 + 12 n + 9) a(n + 1) - a(n + 3) + 2 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A072373
Score: 4.79412
Type of gen. func.: ogf

$$-\frac{8 x^7 - 80 x^6 + 280 x^5 - 417 x^4 + 278 x^3 - 70 x^2 + 6 x - 1}{(x - 1)^2 (x^2 - 4 x + 1)^2}$$

Sequence: A072374
Score: 4.66628
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 1) + (n + 4) a(n + 2) - 2 a(n + 4) + 3 a(n + 3), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 6\}$$

Sequence: A072401
Score: 6.74477
Type of gen. func.: ogf

$$- x^7 (x^2 - x + 1) (x^{22} + x^{21} + x^{14} + x^{13} - x^{11} - x^{10} + x^8 + x^7 + x^6 - x^4 - x^3 + x + 1) / ((x - 1) (x + 1) (x^2 + 1) (x^4 + 1) (x^8 + 1) (x^{16} + 1))$$

Sequence: A072442
Score: 10.2402
Type of gen. func.: ogf

$$-\frac{x^{34} - x^{33} + x^5 - x^4 + x^2 - x - 1}{}$$

$$(x - 1)^2$$

Sequence: A072465
Score: 11.2936
Type of gen. func.: ogf

$$-\frac{x + 1}{x^5 + x^4 + x^3 + x^2 - 1}$$

Sequence: A072465
Score: 12.8452
Type of gen. func.: lgdogf

$$-\frac{(2 x^2 + 2 x + 1) (2 x^3 + 2 x^2 + 1)}{(x + 1) (x^5 + x^4 + x^3 + x^2 - 1)}$$

Sequence: A072474
Score: 11.2749
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 25 x^3 + 77 x^2 + 63 x + 13}{(x - 1) (x^2 + 3 x + 1) (x^2 + 4 x + 1)}$$

Sequence: A072474
Score: 6.57364
Type of gen. func.: ogf

$$\frac{(x^2 + 3 x + 1) (x^2 + 4 x + 1)}{(x - 1)^6}$$

Sequence: A072477
Score: 4.96982
Type of gen. func.: ogf

$$\{(16 n^2 + 112 n + 196) a(n + 1) - a(n + 2), a(0) = 18, a(1) = 1800\}$$

Sequence: A072478
Score: 7.41620
Type of gen. func.: lgdogf

$$\frac{12 x^{10} - 32 x^8 + 31 x^6 + 8 x^5 - 5 x^4 - 16 x^3 - 6 x^2 + 8 x + 2}{(x - 1) (x + 1) (2 x^2 - 1) (2 x^7 - x^5 - 4 x^3 - 2 x^2 + 2 x + 2)}$$

Sequence: A072478
Score: 9.38856
Type of gen. func.: ogf

$$\frac{x (2 x^7 - x^5 - 4 x^3 - 2 x^2 + 2 x + 2)}{(x - 1) (x + 1) (2 x^2 - 1)}$$

Sequence: A072507
Score: 5.59510
Type of gen. func.: lgdogf

$$\frac{2}{1 + 2 x}$$

Sequence: A072547
Score: 7.41127
Type of gen. func.: ogf

$$4 f(x)^2 x^2 + 7 f(x)^2 x - 2 f(x)^2 - 8 f(x) x + 2 f(x) + x$$

Sequence: A072557
Score: 10.9685
Type of gen. func.: ogf

```
 4    3      2
x  + x  + 5 x  + 6 x + 5
------------------------------
4    3    2                 2
```

```
(x  + x  + x  + x + 1) (x - 1)
```

Sequence: A072557
Score: 8.04204
Type of gen. func.: lgdogf

$$-\frac{2x^8+4x^7+22x^6+37x^5+43x^4+21x^3+19x^2+21x+11}{(x-1)(x^4+x^3+x^2+x+1)(x^4+x^3+5x^2+6x+5)}$$

Sequence: A072561
Score: 6.86547
Type of gen. func.: ogf

$$\frac{3x^{10}+2x^9+x^8+2x^7+x^6+2x^5+x^4+2x^3+x^2+2x+1}{(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x-1)^2}$$

Sequence: A072563
Score: 7.16812
Type of gen. func.: ogf

$$-\frac{15x^5+23x^4-39x^3-45x^2+9x+9}{(x-1)(x+1)(x^4-5x^2+1)}$$

Sequence: A072674
Score: 10.9340
Type of gen. func.: ogf

$$\frac{2x(5x-2)}{(x-1)(3x-1)(2x-1)}$$

Sequence: A072674
Score: 11.7654
Type of gen. func.: lgdogf

$$60x^3-91x^2+44x-7$$

$$-\frac{}{(x - 1) (3 x - 1) (2 x - 1) (5 x - 2)}$$

Sequence: A072674
Score: 5.70888
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 11 a(n + 1) - 6 a(n), a(0) = 0, a(1) = 4, a(2) = 14\}$$

Sequence: A072674
Score: 5.81174
Type of gen. func.: ogf

$$(5 f(x) + 102) (6 f(x) x^3 - 11 f(x) x^2 + 6 f(x) x - 10 x^2 - f(x) + 4 x)$$

Sequence: A072675
Score: 7.37062
Type of gen. func.: ogf

$$\frac{x^8 + 18 x^7 + 13 x^6 + 6 x^5 + 3 x^4 + 11 x^3 + 6 x^2 + x + 1}{(x + 1) (x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A072682
Score: 10.4534
Type of gen. func.: ogf

$$\frac{3 (x^4 + x^3 + 6 x^2 + 11 x + 1)}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A072682
Score: 8.90043
Type of gen. func.: lgdogf

$$-\frac{x^7 + 3 x^6 + 20 x^5 + 52 x^4 + 27 x^3 + 21 x^2 + 24 x + 12}{(x - 1) (x + 1) (x^2 + 1) (x^4 + x^3 + 6 x^2 + 11 x + 1)}$$

Sequence: A072683
Score: 7.54533
Type of gen. func.: ogf

$$\frac{7 x^{8} + 6 x^{7} + x^{6} + 2 x^{5} + 18 x^{4} + 13 x^{3} + 6 x^{2} + 3 x + 4}{(x + 1) (x^{4} + 1) (x^{2} + 1) (x - 1)^{2}}$$

Sequence: A072684
Score: 6.30087
Type of gen. func.: lgdogf

$$- \frac{x^{8} + 4 x^{7} + 4 x^{6} - 24 x^{5} - 15 x^{4} - 26 x^{3} + 2 x^{2} + 26 x + 3}{(x + 1) (x^{2} - 3 x + 1) (x^{2} - x - 1) (x^{4} + 2 x^{3} + 3 x^{2} + x + 2)}$$

Sequence: A072684
Score: 7.05239
Type of gen. func.: ogf

$$- \frac{x^{4} + 2 x^{3} + 3 x^{2} + x + 2}{(x + 1) (x^{2} - 3 x + 1) (x^{2} - x - 1)}$$

Sequence: A072702
Score: 10.5365
Type of gen. func.: ogf

$$\frac{3 (3 x^{4} + 11 x^{3} + 2 x^{2} + x + 3)}{(x + 1) (x^{2} + 1) (x - 1)^{2}}$$

Sequence: A072702
Score: 8.57414
Type of gen. func.: lgdogf

$$3 x^{7} + 25 x^{6} + 20 x^{5} + 20 x^{4} + 41 x^{3} + 39 x^{2} + 8 x + 4$$

$$-\frac{}{(x-1)(x+1)(x^2+1)(3x^4+11x^3+2x^2+x+3)}$$

Sequence: A072703
Score: 12.4400
Type of gen. func.: ogf

$$\frac{5(x^2+x+1)}{(x+1)(x-1)^2}$$

Sequence: A072703
Score: 18.5779
Type of gen. func.: lgdogf

$$-\frac{x^3+3x^2+6x+2}{(x-1)(x+1)(x^2+x+1)}$$

Sequence: A072703
Score: 30.2008
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2+x+2$$

Sequence: A072703
Score: 6.65652
Type of gen. func.: ogf

$$\{a(n+3)-a(n+2)-a(n+1)+a(n),\ a(0)=5,\ a(1)=10,\ a(2)=20\}$$

Sequence: A072703
Score: 6.77538
Type of gen. func.: ogf

$$(f(x)+43)(f(x)x^3-f(x)x^2-f(x)x-5x^2+f(x)-5x-5)$$

Sequence: A072708
Score: 10.3724
Type of gen. func.: ogf

$$\frac{3\,(4\,x^4 + 2\,x^3 + x^2 + 6\,x + 7)}{(x + 1)\,(x^2 + 1)\,(x - 1)^2}$$

Sequence: A072708
Score: 8.75171
Type of gen. func.: lgdogf

$$-\frac{4\,x^7 + 8\,x^6 + 9\,x^5 + 31\,x^4 + 60\,x^3 + 20\,x^2 + 15\,x + 13}{(x - 1)\,(x + 1)\,(x^2 + 1)\,(4\,x^4 + 2\,x^3 + x^2 + 6\,x + 7)}$$

Sequence: A072709
Score: 7.47796
Type of gen. func.: ogf

$$\frac{4\,x^8 + 13\,x^7 + 6\,x^6 + 3\,x^5 + 11\,x^4 + 6\,x^3 + x^2 + 2\,x + 14}{(x + 1)\,(x^4 + 1)\,(x^2 + 1)\,(x - 1)^2}$$

Sequence: A072710
Score: 10.3529
Type of gen. func.: ogf

$$\frac{3\,(9\,x^4 + 2\,x^3 + x^2 + 6\,x + 2)}{(x + 1)\,(x^2 + 1)\,(x - 1)^2}$$

Sequence: A072710
Score: 8.53190
Type of gen. func.: lgdogf

```
       7       6       5       4       3       2
  9 x  + 13 x  + 14 x  + 36 x  + 55 x  + 15 x  + 10 x + 8
- ---------------------------------------------------------
                   2           4      3    2
```

$$(x - 1) (x + 1) (x + 1) (9 x + 2 x + x + 6 x + 2)$$

Sequence: A072711
Score: 7.33688
Type of gen. func.: ogf

$$\frac{2 x^{8} + 6 x^{7} + 3 x^{6} + 11 x^{5} + 6 x^{4} + x^{3} + 2 x^{2} + 18 x + 11}{(x + 1) (x^{4} + 1) (x^{2} + 1) (x - 1)^{2}}$$

Sequence: A072713
Score: 10.3348
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^{3}$$

Sequence: A072751
Score: 11.3942
Type of gen. func.: ogf

$$\frac{(x^{2} + 1) (x^{12} - x^{11} - x^{10} + x^{9} + x^{8} - x^{7} - x^{6} + x^{5} + 2 x^{4} - x^{3} - x - 1)}{x - 1}$$

Sequence: A072751
Score: 7.65888
Type of gen. func.: lgdogf

$$(13 x^{14} - 26 x^{13} + 13 x^{12} + 5 x^{6} - 6 x^{5} + 6 x^{4} - 12 x^{3} + 5 x^{2} + 2 x + 2) \Big/ \Big((x - 1) (x^{2} + 1) (x^{12} - x^{11} - x^{10} + x^{9} + x^{8} - x^{7} - x^{6} + x^{5} + 2 x^{4} - x^{3} - x - 1)\Big)$$

Sequence: A072818
Score: 11.3121
Type of gen. func.: ogf

$$\frac{20 x}{x^2 - 98 x + 1}$$

Sequence: A072818
Score: 18.8468
Type of gen. func.: lgdogf

$$-\frac{2 (-49 + x)}{x^2 - 98 x + 1}$$

Sequence: A072818
Score: 5.31531
Type of gen. func.: ogf

$$\{a(n + 2) - 98 a(n + 1) + a(n), a(0) = 0, a(1) = 20\}$$

Sequence: A072818
Score: 7.23232
Type of gen. func.: ogf

$$-f(x) x^2 + 98 f(x) x - f(x) + 20 x$$

Sequence: A072818
Score: 8.33609
Type of gen. func.: revogf

$$-\frac{-49 x - 10 + 2 (1 + 5 x)^{1/2} (24 x + 5)^{1/2} 5^{1/2}}{x}$$

Sequence: A072819
Score: 33.3919
Type of gen. func.: lgdogf

$$-\frac{2 (3 + 2 x)}{(x - 1) (x + 1)}$$

Sequence: A072819
Score: 35.0456
Type of gen. func.: ogf_with_Euler_transform]

$$[6 - x]$$

Sequence: A072819
Score: 5.61961
Type of gen. func.: ogf

$\{(n + 1) a(n + 3) - 6 a(n + 2) + (-3 - n) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 8\}$

Sequence: A072819
Score: 9.38973
Type of gen. func.: ogf

$$-\frac{8 x^2 (x + 1)}{(x - 1)^5}$$

Sequence: A072827
Score: 4.26015
Type of gen. func.: ogf

$$-\frac{x^9 + x^8 + x^6 + x^5 - 5 x^4 - 5 x^3 - 2 x^2 - x - 1}{x^{10} + x^9 + x^7 + x^6 - 6 x^5 - 5 x^4 - 3 x^3 - 2 x^2 - x + 1}$$

Sequence: A072833
Score: 12.5906
Type of gen. func.: ogf

$$\frac{x (3 x^2 - 2 x + 5)}{(x^2 + 1) (x - 1)^2}$$

Sequence: A072833
Score: 4.66554
Type of gen. func.: ogf

$$\{(3 n + 10) a(n + 1) + (-3 n - 7) a(n + 2) + (3 n + 10) a(n + 3) + (-3 n - 7) a(n + 4), a(0) = 0, a(1) = 5, a(2) = 8, a(3) = 9\}$$

Sequence: A072833
Score: 5.76617
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^4 - 3 x^3 + 11 x^2 - 3 x + 4)}{(x - 1) (x^2 + 1) (3 x^2 - 2 x + 5)}$$

Sequence: A072833
Score: 6.66024
Type of gen. func.: ogf

$$(204 f(x) + 1933) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - 3 x^3 - 2 f(x) x + 2 x^2 + f(x) - 5 x)$$

Sequence: A072834
Score: 12.6075
Type of gen. func.: ogf

$$\frac{x (x^3 + 3 x^2 + 5 x + 7)}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A072835
Score: 11.5152
Type of gen. func.: ogf

$$- \frac{2 x (x^4 - x^3 - 2 x^2 - 3 x - 4)}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A072836
Score: 9.61035
Type of gen. func.: ogf

$$-\frac{x\,(5\,x^{6}-x^{5}-3\,x^{4}-x^{3}-4\,x^{2}-7\,x-9)}{(x^{2}-x+1)\,(x^{2}+x+1)\,(x+1)\,(x-1)^{2}}$$

Sequence: A072844
Score: 12.2444
Type of gen. func.: lgdogf

$$-\frac{16\,x^{3}-75\,x^{2}+52\,x-9}{(4\,x-1)\,(x^{3}-6\,x^{2}+5\,x-1)}$$

Sequence: A072844
Score: 12.3075
Type of gen. func.: ogf

$$\frac{x^{3}}{(4\,x-1)\,(x^{3}-6\,x^{2}+5\,x-1)}$$

Sequence: A072844
Score: 6.21466
Type of gen. func.: ogf

$$-4\,f(x)\,x^{4}+25\,f(x)\,x^{3}-26\,f(x)\,x^{2}+x^{3}+9\,f(x)\,x-f(x)$$

Sequence: A072863
Score: 10.5340
Type of gen. func.: ogf

$$-\frac{3\,x^{2}-3\,x+1}{(2\,x-1)^{3}}$$

Sequence: A072863
Score: 16.8364
Type of gen. func.: lgdogf

$$-\frac{3\,(2\,x^{2}-2\,x+1)}{(2\,x-1)\,(3\,x^{2}-3\,x+1)}$$

Sequence: A072863
Score: 5.4426
Type of gen. func.: ogf

$$-(352\,f(x)+161)\,(8\,f(x)\,x^{3}-12\,f(x)\,x^{2}+6\,f(x)\,x+3\,x^{2}-f(x)-3\,x+1)$$

Sequence: A072863
Score: 5.77974
Type of gen. func.: ogf

$$\{a(n+3)-6\,a(n+2)+12\,a(n+1)-8\,a(n),\ a(0)=1,\ a(1)=3,\ a(2)=9\}$$

Sequence: A072878
Score: 6.54191
Type of gen. func.: lgdegf]

$$-3+(-x^{3}+9)\,f(x)+(2\,x^{3}-9)\,f(x)^{2}+(-x^{3}+3)\,f(x)^{3}$$

Sequence: A072879
Score: 5.10075
Type of gen. func.: lgdegf]

$$24+3\,x^{4}-5384\,x^{3}-84\,x^{2}+(-3\,x^{4}+10768\,x^{3}+168\,x^{2}-48)\,f(x)$$
$$+(-5384\,x^{3}-84\,x^{2}+24)\,f(x)^{2}$$

Sequence: A072880
Score: 6.22699
Type of gen. func.: ogf

$$-(2 f(x) x + f(x) - 3 x - 1) (f(x) x - f(x) + 1)^{2}$$

Sequence: A072881
Score: 6.69137
Type of gen. func.: ogf

$$-\frac{3 x^{5} + 7 x^{4} - 11 x^{3} - 13 x^{2} + x + 1}{(x - 1) (x + 1) (x^{4} - 13 x^{2} + 1)}$$

Sequence: A072886
Score: 7.80223
Type of gen. func.: lgdogf

$$(31 x^{33} - 63 x^{32} + 32 x^{31} + 27 x^{29} - 55 x^{28} + 28 x^{27} + 6 x^{8} - 13 x^{7} + 7 x^{6} - x + 3) / ((x - 1) (x^{33} - x^{32} + x^{29} - x^{28} + x^{8} - x^{7} + x - 2))$$

Sequence: A072886
Score: 9.18454
Type of gen. func.: ogf

$$-\frac{x^{33} - x^{32} + x^{29} - x^{28} + x^{8} - x^{7} + x - 2}{(x - 1)^{2}}$$

Sequence: A072944
Score: 10.1622
Type of gen. func.: lgdogf

$$\frac{8 x^{6} + 16 x^{4} + 16 x^{3} + 18 x^{2} + 8 x + 3}{(4 x^{3} - 1) (2 x^{4} + 2 x^{3} - 4 x^{2} - 3 x - 2)}$$

Sequence: A072944
Score: 11.1661

Type of gen. func.: ogf

$$\frac{2 x^4 + 2 x^3 - 4 x^2 - 3 x - 2}{4 x^3 - 1}$$

Sequence: A072944
Score: 6.65867
Type of gen. func.: ogf

{a(n + 5) - 4 a(n + 2), a(0) = 2, a(1) = 3, a(2) = 4, a(3) = 6, a(4) = 10}

Sequence: A072944
Score: 7.97576
Type of gen. func.: ogf

$$(4 f(x) - 1) (4 f(x) x^3 - 2 x^4 - 2 x^3 + 4 x^2 - f(x) + 3 x + 2)$$

Sequence: A072946
Score: 14.7391
Type of gen. func.: ogf

$$-2 f(x) x^2 - 4 x^2 + f(x) - 2 x - 1$$

Sequence: A072946
Score: 15.9423
Type of gen. func.: ogf

$$- \frac{4 x^2 + 2 x + 1}{2 x^2 - 1}$$

Sequence: A072946
Score: 19.1556
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^2 + 6 x + 1)}{}$$

$$(4 x^2 + 2 x + 1) (2 x^2 - 1)$$

Sequence: A072946
Score: 9.29968
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A072975
Score: 3.78480
Type of gen. func.: ogf

$$\{(-27 n^2 - 108 n - 105) a(n + 1) + (2 n^2 + 7 n + 6) a(n + 2), a(0) = 1, a(1) = 24\}$$

Sequence: A072975
Score: 5.40955
Type of gen. func.: ogf

$$78732 x^3 f(x)^3 - 17496 f(x)^3 x^2 + 1296 f(x)^3 x - 32 f(x)^3 + 405 f(x) x + 24 f(x) + 27 x + 8$$

Sequence: A072975
Score: 8.22216
Type of gen. func.: ogf

$$\mathrm{hypergeom}([2/3, 4/3], [1/2], \frac{27 x}{2})$$

Sequence: A072976
Score: 3.35835
Type of gen. func.: ogf

$$-78732 x^3 f(x)^3 + 17496 f(x)^3 x^2 - 1296 f(x)^3 x + 32 f(x)^3 + 567 f(x) x - 1458 x^2 - 96 f(x) + 594 x - 64$$

Sequence: A072976
Score: 3.81508
Type of gen. func.: ogf

$$\{(27 n^2 + 108 n + 96) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2), a(0) = 2, a(1) = 30\}$$

Sequence: A072976
Score: 7.69169
Type of gen. func.: ogf

$$2 \operatorname{hypergeom}([1/3, 5/3], [1/2], \frac{27 x}{2})$$

Sequence: A072985
Score: 14.1774
Type of gen. func.: ogf

$$- \frac{4 x^2 + 2 x + 1}{3 x^2 - 1}$$

Sequence: A072985
Score: 17.0147
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^2 + 7 x + 1)}{(3 x^2 - 1) (4 x^2 + 2 x + 1)}$$

Sequence: A072985
Score: 8.27015
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 7\}$$

Sequence: A072985
Score: 8.79358
Type of gen. func.: ogf

$$-(7 f(x) - 5) (3 f(x) x^2 + 4 x^2 - f(x) + 2 x + 1)$$

Sequence: A072988
Score: 11.0510
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 1, a(1) = 3, a(2) = 10\}$$

Sequence: A072988
Score: 11.5967
Type of gen. func.: ogf

$$-(20 f(x) - 11) (f(x) x^2 + 9 x^2 - f(x) + 3 x + 1)$$

Sequence: A072988
Score: 19.1701
Type of gen. func.: ogf

$$-\frac{9 x^2 + 3 x + 1}{(x - 1) (x + 1)}$$

Sequence: A072988
Score: 22.4783
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 20 x + 3}{(x - 1) (x + 1) (9 x^2 + 3 x + 1)}$$

Sequence: A072996
Score: 10.3260
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 2), a(0) = 1, a(1) = 1, a(2) = 5, a(3) = 2\}$$

Sequence: A072996
Score: 10.7749
Type of gen. func.: ogf

$$-(412 f(x) + 2003) (f(x) x^2 + x^3 + 4 x^2 - f(x) + x + 1)$$

Sequence: A072996
Score: 17.3911
Type of gen. func.: ogf

$$-\frac{x^3 + 4 x^2 + x + 1}{(x - 1) (x + 1)}$$

Sequence: A072996
Score: 20.6953
Type of gen. func.: lgdogf

$$\frac{x^4 - 4 x^2 - 10 x - 1}{(x - 1) (x + 1) (x^3 + 4 x^2 + x + 1)}$$

Sequence: A073031
Score: 15.3468
Type of gen. func.: ogf

$$-\frac{1}{x^{10} + x^5 + x^2 + x - 1}$$

Sequence: A073031
Score: 17.2905
Type of gen. func.: lgdogf

$$-\frac{10 x^9 + 5 x^4 + 2 x + 1}{x^{10} + x^5 + x^2 + x - 1}$$

Sequence: A073032
Score: 4.76561
Type of gen. func.: ogf

$$(8512667954833177027 f(x) - 72606633766203729789176614)$$
$$(f(x) x^4 + 19252208 x^3 + 18914992 x^2 - f(x) + 20100368 x + 18048976)$$

Sequence: A073032
Score: 8.63418
Type of gen. func.: ogf

$$- \frac{16 (1203263 x^3 + 1182187 x^2 + 1256273 x + 1128061)}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A073033
Score: 3.95451
Type of gen. func.: ogf

$$-(1479136597227275273595211177 f(x) - 17306935870373616010096896788466703)$$
$$(f(x) x^4 + 24289964 x^3 + 28630036 x^2 - f(x) + 20522060 x + 18656380)$$

Sequence: A073033
Score: 8.18815
Type of gen. func.: ogf

$$- \frac{4 (6072491 x^3 + 7157509 x^2 + 5130515 x + 4664095)}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A073053
Score: 6.89576
Type of gen. func.: ogf

$$- \frac{101 x^{20} + 101 x^{19} + 101 x^{11} + 22 x^{10} + 11 x^9 + 101 x + 11}{(x - 1) (x + 1) (x^2 + 1) (x^8 - x^6 + x^4 - x^2 + 1)}$$

Sequence: A073054
Score: 9.72231
Type of gen. func.: ogf

$$\frac{3 x^{20} - x^{19} - 2 x^{11} - 4 x^{10} - 2 x - 5}{(x - 1) (x + 1) (x^{2} + 1) (x^{8} - x^{6} + x^{4} - x^{2} + 1)}$$

Sequence: A073071
Score: 5.47175
Type of gen. func.: ogf

$$- (x^{23} - x^{22} - x^{13} + 2 x^{10} - 2 x^{9} - x^{8} - x^{7} - 2 x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 3) / ((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2})$$

Sequence: A073080
Score: 4.85460
Type of gen. func.: ogf

$$- 3 (4 x^{36} - 10 x^{33} - 2 x^{30} + 4 x^{27} - 8 x^{21} - 2 x^{12} - x^{9} + x^{6} - x^{3} - 1) / ((x + 1) (4 x^{30} + 2 x^{24} + 2 x^{18} + 2 x^{12} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x - 1)^{2})$$

Sequence: A073104
Score: 2.74674
Type of gen. func.: ogf

$$- \frac{1601 x^{2} - 3122 x + 1523}{(x - 1)^{3}}$$

Sequence: A073145

Score: 12.7929
Type of gen. func.: ogf

$$-\frac{x^2 + 2 x + 3}{x^3 - x^2 - x - 1}$$

Sequence: A073145
Score: 16.5702
Type of gen. func.: lgdogf

$$-\frac{x^4 + 4 x^3 + 8 x^2 - 4 x - 1}{(x^2 + 2 x + 3) (x^3 - x^2 - x - 1)}$$

Sequence: A073145
Score: 6.90589
Type of gen. func.: ogf

$$(11 f(x) - 27) (f(x) x^3 - f(x) x^2 - f(x) x + x^2 - f(x) + 2 x + 3)$$

Sequence: A073145
Score: 6.96754
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 3, a(1) = -1, a(2) = -1\}$$

Sequence: A073155
Score: 14.6584
Type of gen. func.: revogf

$$\frac{-1 - 2 x^2 + (4 x^3 + 4 x^2 + 1)^{1/2}}{2 x^2}$$

Sequence: A073155
Score: 7.77765
Type of gen. func.: ogf

$$-x^{3} f(x)^{2} - 2 f(x)^{2} x^{2} - f(x)^{2} x + f(x) - 1$$

Sequence: A073157
Score: 14.6584
Type of gen. func.: revogf

$$- 1/2 - \frac{x^{2}}{2} + \frac{(x^{4} - 2 x^{2} + 4 x + 1)^{1/2}}{2}$$

Sequence: A073157
Score: 9.50602
Type of gen. func.: ogf

$$-f(x)^{2} x^{2} - f(x)^{2} x + f(x) - x - 1$$

Sequence: A073252
Score: 17.1770
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-2 x^{2} + 2 x - 2}{-x^{4} + 1}$$

Sequence: A073301
Score: 6.78579
Type of gen. func.: lgdogf

$$(x^{12} - 2 x^{10} + 2 x^{9} - 3 x^{8} - 4 x^{7} - 11 x^{6} - 12 x^{5} - 16 x^{4} - 20 x^{3} - 15 x^{2} - 6 x - 2) / ((x + 1) (x^{2} + 1) (x^{6} + 2 x^{3} - 1) (x^{4} + x^{2} + x + 1))$$

Sequence: A073301
Score: 8.20198
Type of gen. func.: ogf

$$\quad^{2} \qquad ^{4} \quad ^{2}$$

$$-\frac{(x + 1) (x + 1) (x + x + x + 1)}{x^6 + 2 x^3 - 1}$$

Sequence: A073313
Score: 10.9141
Type of gen. func.: ogf

$$-\frac{(2 x - 1) (2 x - 3)}{2 x^3 - 4 x^2 + 4 x - 1}$$

Sequence: A073313
Score: 5.89167
Type of gen. func.: ogf

$$(11 f(x) - 57) (2 f(x) x^3 - 4 f(x) x^2 + 4 f(x) x + 4 x^2 - f(x) - 8 x + 3)$$

Sequence: A073313
Score: 5.94429
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 4 a(n + 1) - 2 a(n), a(0) = 3, a(1) = 4, a(2) = 8\}$$

Sequence: A073313
Score: 9.88752
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^4 - 16 x^3 + 17 x^2 - 8 x + 2)}{(2 x - 1) (2 x - 3) (2 x^3 - 4 x^2 + 4 x - 1)}$$

Sequence: A073314
Score: 15.4396
Type of gen. func.: ogf

$$-\frac{4 x - 3}{2 x^3 - 2 x + 1}$$

Sequence: A073314
Score: 17.7549
Type of gen. func.: lgdogf

$$-\frac{2 (x - 1) (8 x^2 - x - 1)}{(4 x - 3) (2 x^3 - 2 x + 1)}$$

Sequence: A073314
Score: 7.39128
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - 2 a(n), a(0) = 3, a(1) = 2, a(2) = 4\}$$

Sequence: A073314
Score: 7.63493
Type of gen. func.: ogf

$$-(11 f(x) - 57) (2 f(x) x^3 - 2 f(x) x + f(x) + 4 x - 3)$$

Sequence: A073351
Score: 5.46627
Type of gen. func.: ogf

$$-\frac{x (13 x^4 + 159 x^3 + 287 x^2 + 97 x + 4)}{(x - 1)^7}$$

Sequence: A073351
Score: 8.83285
Type of gen. func.: lgdogf

$$-\frac{39 x^4 + 688 x^3 + 1912 x^2 + 1156 x + 125}{(x - 1) (13 x^4 + 159 x^3 + 287 x^2 + 97 x + 4)}$$

Sequence: A073352
Score: 4.1692
Type of gen. func.: ogf

$$(104406 f(x) - 13367)$$

$$(f(x) x^3 - 17 f(x) x^2 + 17 f(x) x + 4 x^2 - f(x) - 13 x + 1)$$

Sequence: A073352
Score: 4.45923
Type of gen. func.: ogf

$$\{-a(n + 3) + 17 a(n + 2) - 17 a(n + 1) + a(n), a(0) = 1, a(1) = 4, a(2) = 55\}$$

Sequence: A073352
Score: 7.71505
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^4 - 13 x^3 + 78 x^2 - 13 x + 2)}{(x - 1) (4 x^2 - 13 x + 1) (x^2 - 16 x + 1)}$$

Sequence: A073352
Score: 8.01267
Type of gen. func.: ogf

$$- \frac{4 x^2 - 13 x + 1}{(x - 1) (x^2 - 16 x + 1)}$$

Sequence: A073357
Score: 4.38056
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 4 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 1, a(2) = 3\}$$

Sequence: A073357
Score: 5.7205
Type of gen. func.: ogf

$$2 f(x) x^3 - 4 f(x) x^2 + 4 f(x) x - x^2 - f(x) + x$$

Sequence: A073357
Score: 8.53056
Type of gen. func.: ogf

$$\frac{x (x - 1)}{2 x^3 - 4 x^2 + 4 x - 1}$$

Sequence: A073357
Score: 9.93141
Type of gen. func.: lgdogf

$$- \frac{(2 x - 3) (2 x^2 - 2 x + 1)}{(x - 1) (2 x^3 - 4 x^2 + 4 x - 1)}$$

Sequence: A073358
Score: 12.9172
Type of gen. func.: ogf

$$\frac{x (x - 1)}{2 x^3 - 2 x + 1}$$

Sequence: A073358
Score: 16.7156
Type of gen. func.: lgdogf

$$- \frac{(2 x - 1) (2 x^2 - 2 x - 1)}{(x - 1) (2 x^3 - 2 x + 1)}$$

Sequence: A073358
Score: 6.80582
Type of gen. func.: ogf

$$\{a(n+3) - 2\,a(n+2) + 2\,a(n),\ a(0) = 0,\ a(1) = -1,\ a(2) = -1\}$$

Sequence: A073358
Score: 7.11169
Type of gen. func.: ogf

$$(f(x) - 1)\,(2\,f(x)\,x^3 - 2\,f(x)\,x - x^2 + f(x) + x)$$

Sequence: A073371
Score: 14.0907
Type of gen. func.: ogf

$$\frac{1}{(x + 1)^2\,(2\,x - 1)^2}$$

Sequence: A073371
Score: 28.2016
Type of gen. func.: lgdogf

$$-\frac{2\,(1 + 4\,x)}{(x + 1)\,(2\,x - 1)}$$

Sequence: A073371
Score: 4.57248
Type of gen. func.: ogf

$$\{(n+3)\,a(n+3) + (-n-4)\,a(n+2) + (-10-2\,n)\,a(n+1),\ a(0) = 1,$$
$$a(1) = 2,\ a(2) = 7\}$$

Sequence: A073371
Score: 5.80204
Type of gen. func.: ogf

$$(41\,f(x) + 20)\,(4\,f(x)\,x^4 + 4\,f(x)\,x^3 - 3\,f(x)\,x^2 - 2\,f(x)\,x + f(x) - 1)$$

Sequence: A073372

Score: 11.2696
Type of gen. func.: ogf

$$-\frac{1}{(x+1)^3 (2x-1)^3}$$

Sequence: A073372
Score: 30.8942
Type of gen. func.: lgdogf

$$-\frac{3(1+4x)}{(x+1)(2x-1)}$$

Sequence: A073372
Score: 4.96754
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-5 - n) a(n + 2) + (-14 - 2 n) a(n + 1), a(0) = 1,

a(1) = 3, a(2) = 12}

Sequence: A073373
Score: 23.3369
Type of gen. func.: lgdogf

$$-\frac{4(1+4x)}{(x+1)(2x-1)}$$

Sequence: A073373
Score: 3.76948
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-6 - n) a(n + 2) + (-18 - 2 n) a(n + 1), a(0) = 1,

a(1) = 4, a(2) = 18}

Sequence: A073373
Score: 7.07359
Type of gen. func.: ogf

$$\overline{(x + 1)^4 (2 x - 1)^4}$$

Sequence: A073374
Score: 22.9084
Type of gen. func.: lgdogf

$$- \frac{5 (1 + 4 x)}{(x + 1) (2 x - 1)}$$

Sequence: A073374
Score: 3.70076
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-7 - n) a(n + 2) + (-22 - 2 n) a(n + 1), a(0) = 1,

a(1) = 5, a(2) = 25}

Sequence: A073374
Score: 6.54087
Type of gen. func.: ogf

$$- \frac{1}{(x + 1)^5 (2 x - 1)^5}$$

Sequence: A073375
Score: 22.2097
Type of gen. func.: lgdogf

$$- \frac{6 (1 + 4 x)}{(x + 1) (2 x - 1)}$$

Sequence: A073375
Score: 3.58931
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-8 - n) a(n + 2) + (-26 - 2 n) a(n + 1), a(0) = 1,

a(1) = 6, a(2) = 33}

Sequence: A073376
Score: 21.1221
Type of gen. func.: lgdogf

$$-\frac{7\,(1+4\,x)}{(x+1)\,(2\,x-1)}$$

Sequence: A073376
Score: 3.41641
Type of gen. func.: ogf

$$\{(n+3)\,a(n+3)+(-9-n)\,a(n+2)+(-30-2\,n)\,a(n+1),\ a(0)=1,\ a(1)=7,\ a(2)=42\}$$

Sequence: A073377
Score: 22.0237
Type of gen. func.: lgdogf

$$-\frac{8\,(1+4\,x)}{(x+1)\,(2\,x-1)}$$

Sequence: A073377
Score: 3.53550
Type of gen. func.: ogf

$$\{(n+3)\,a(n+3)+(-10-n)\,a(n+2)+(-34-2\,n)\,a(n+1),\ a(0)=1,\ a(1)=8,\ a(2)=52\}$$

Sequence: A073378
Score: 22.7964
Type of gen. func.: lgdogf

$$-\frac{9\,(1+4\,x)}{(x+1)\,(2\,x-1)}$$

Sequence: A073378
Score: 3.65672
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-11 - n) a(n + 2) + (-38 - 2 n) a(n + 1), a(0) = 1,

a(1) = 9, a(2) = 63}

Sequence: A073379
Score: 22.5028
Type of gen. func.: lgdogf

$$-\frac{10\,(1 + 4x)}{(x + 1)\,(2x - 1)}$$

Sequence: A073379
Score: 3.73333
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-12 - n) a(n + 2) + (-42 - 2 n) a(n + 1), a(0) = 1,

a(1) = 10, a(2) = 75}

Sequence: A073380
Score: 25.8102
Type of gen. func.: lgdogf

$$-\frac{8\,(x + 1)}{x^2 + 2x - 1}$$

Sequence: A073380
Score: 3.47742
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-12 - 2 n) a(n + 2) + (-9 - n) a(n + 1), a(0) = 1,

a(1) = 8, a(2) = 44}

Sequence: A073380
Score: 6.29248
Type of gen. func.: ogf

```
           1
    ---------------
      2           4
```

$$(x + 2 x - 1)$$

Sequence: A073381
Score: 26.2002
Type of gen. func.: lgdogf

$$-\frac{10 (x + 1)}{x^2 + 2 x - 1}$$

Sequence: A073381
Score: 3.65305
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-14 - 2 n) a(n + 2) + (-11 - n) a(n + 1), a(0) = 1, a(1) = 10, a(2) = 65\}$$

Sequence: A073381
Score: 5.25765
Type of gen. func.: ogf

$$-\frac{1}{(x^2 + 2 x - 1)^5}$$

Sequence: A073382
Score: 27.6722
Type of gen. func.: lgdogf

$$-\frac{12 (x + 1)}{x^2 + 2 x - 1}$$

Sequence: A073382
Score: 3.85377
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-16 - 2 n) a(n + 2) + (-13 - n) a(n + 1), a(0) = 1, a(1) = 12, a(2) = 90\}$$

Sequence: A073383
Score: 26.2409
Type of gen. func.: lgdogf

$$-\frac{14\,(x+1)}{x^2+2\,x-1}$$

Sequence: A073383
Score: 3.63378
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-18 - 2 n) a(n + 2) + (-15 - n) a(n + 1), a(0) = 1,

a(1) = 14, a(2) = 119}

Sequence: A073384
Score: 24.6791
Type of gen. func.: lgdogf

$$-\frac{16\,(x+1)}{x^2+2\,x-1}$$

Sequence: A073384
Score: 3.42093
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-20 - 2 n) a(n + 2) + (-17 - n) a(n + 1), a(0) = 1,

a(1) = 16, a(2) = 152}

Sequence: A073385
Score: 22.9947
Type of gen. func.: lgdogf

$$-\frac{18\,(x+1)}{x^2+2\,x-1}$$

Sequence: A073385
Score: 3.19139
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-22 - 2 n) a(n + 2) + (-19 - n) a(n + 1), a(0) = 1,

a(1) = 18, a(2) = 189}

Sequence: A073386
Score: 23.6957
Type of gen. func.: lgdogf

$$-\frac{20 (x + 1)}{x^2 + 2 x - 1}$$

Sequence: A073386
Score: 3.28637
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-24 - 2 n) a(n + 2) + (-21 - n) a(n + 1), a(0) = 1,

a(1) = 20, a(2) = 230}

Sequence: A073388
Score: 14.1521
Type of gen. func.: ogf

$$\frac{1}{(2 x^2 + 2 x - 1)^2}$$

Sequence: A073388
Score: 21.2952
Type of gen. func.: lgdogf

$$-\frac{4 (1 + 2 x)}{2 x^2 + 2 x - 1}$$

Sequence: A073388
Score: 3.44491
Type of gen. func.: ogf

$\{(n + 3)\ a(n + 3) + (-8 - 2\ n)\ a(n + 2) + (-10 - 2\ n)\ a(n + 1), a(0) = 1,$

$a(1) = 4, a(2) = 16\}$

Sequence: A073388
Score: 5.23628
Type of gen. func.: ogf

$$(31\ f(x) + 5)\ (4\ f(x)\ x^4 + 8\ f(x)\ x^3 - 4\ f(x)\ x + f(x) - 1)$$

Sequence: A073389
Score: 11.5354
Type of gen. func.: ogf

$$-\frac{1}{(2\ x^2 + 2\ x - 1)^3}$$

Sequence: A073389
Score: 22.9936
Type of gen. func.: lgdogf

$$-\frac{6\ (1 + 2\ x)}{2\ x^2 + 2\ x - 1}$$

Sequence: A073389
Score: 5.12686
Type of gen. func.: ogf

$\{(n + 3)\ a(n + 3) + (-10 - 2\ n)\ a(n + 2) + (-14 - 2\ n)\ a(n + 1), a(0) = 1,$

$a(1) = 6, a(2) = 30\}$

Sequence: A073390
Score: 22.9252
Type of gen. func.: lgdogf

$$-\frac{8\ (1 + 2\ x)}{\quad^2}$$

$$2 x + 2 x - 1$$

Sequence: A073390
Score: 3.67692
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-12 - 2 n) a(n + 2) + (-18 - 2 n) a(n + 1), a(0) = 1, a(1) = 8, a(2) = 48\}$$

Sequence: A073390
Score: 6.39283
Type of gen. func.: ogf

$$\frac{1}{(2 x^2 + 2 x - 1)^4}$$

Sequence: A073391
Score: 22.9973
Type of gen. func.: lgdogf

$$-\frac{10 (1 + 2 x)}{2 x^2 + 2 x - 1}$$

Sequence: A073391
Score: 3.81362
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-14 - 2 n) a(n + 2) + (-22 - 2 n) a(n + 1), a(0) = 1, a(1) = 10, a(2) = 70\}$$

Sequence: A073391
Score: 6.52553
Type of gen. func.: ogf

$$-\frac{1}{(2 x^2 + 2 x - 1)^5}$$

Sequence: A073392
Score: 21.7988
Type of gen. func.: lgdogf

$$-\frac{12 (1 + 2 x)}{2 x^2 + 2 x - 1}$$

Sequence: A073392
Score: 3.61784
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-16 - 2 n) a(n + 2) + (-26 - 2 n) a(n + 1), a(0) = 1,

a(1) = 12, a(2) = 96}

Sequence: A073393
Score: 20.6106
Type of gen. func.: lgdogf

$$-\frac{14 (1 + 2 x)}{2 x^2 + 2 x - 1}$$

Sequence: A073393
Score: 3.40160
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-18 - 2 n) a(n + 2) + (-30 - 2 n) a(n + 1), a(0) = 1,

a(1) = 14, a(2) = 126}

Sequence: A073394
Score: 19.3155
Type of gen. func.: lgdogf

$$-\frac{16 (1 + 2 x)}{2 x^2 + 2 x - 1}$$

Sequence: A073394
Score: 3.19139
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-20 - 2 n) a(n + 2) + (-34 - 2 n) a(n + 1), a(0) = 1,

a(1) = 16, a(2) = 160}

Sequence: A073397
Score: 20.0222
Type of gen. func.: lgdogf

$$-\frac{18\ (1 + 2\ x)}{2\ x^2 + 2\ x - 1}$$

Sequence: A073397
Score: 3.30537
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-22 - 2 n) a(n + 2) + (-38 - 2 n) a(n + 1), a(0) = 1,

a(1) = 18, a(2) = 198}

Sequence: A073398
Score: 20.6111
Type of gen. func.: lgdogf

$$-\frac{20\ (1 + 2\ x)}{2\ x^2 + 2\ x - 1}$$

Sequence: A073398
Score: 3.40035
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-24 - 2 n) a(n + 2) + (-42 - 2 n) a(n + 1), a(0) = 1,

a(1) = 20, a(2) = 240}

Sequence: A073446
Score: 5.72369
Type of gen. func.: ogf

$$-\frac{x^5 - 4x^4 - 15x^3 - 16x^2 - 5x + 6}{x^6 - x^5 + 2x^4 + 5x^3 + 4x^2 + x - 1}$$

Sequence: A073478
Score: 14.8167
Type of gen. func.: lgdegf]

$$\frac{1 + \ln(x + 1) x + \ln(x + 1) - x}{(x + 1) (x - 1)^2}$$

Sequence: A073479
Score: 8.10609
Type of gen. func.: lgdegf]

$$-n^2 a(n) + (4 n^2 + 9 n + 5) a(n + 1) + (-3 n^2 - 9 n - 6) a(n + 2), a(0) = 1,$$

$$a(1) = 3$$

Sequence: A073496
Score: 13.9701
Type of gen. func.: ogf

$$-\frac{3 x^2 + 2 x + 3}{x^3 - 3 x^2 - x - 1}$$

Sequence: A073496
Score: 15.7107
Type of gen. func.: lgdogf

$$-\frac{(x - 1) (3 x^3 + 7 x^2 + 13 x + 1)}{(3 x^2 + 2 x + 3) (x^3 - 3 x^2 - x - 1)}$$

Sequence: A073496
Score: 7.41023

Type of gen. func.: ogf

$$(385 f(x) - 597) (f(x) x^3 - 3 f(x) x^2 - f(x) x + 3 x^2 - f(x) + 2 x + 3)$$

Sequence: A073496
Score: 7.60872
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) - 3 a(n + 1) + a(n), a(0) = 3, a(1) = -1, a(2) = -5\}$$

Sequence: A073498
Score: 12.5874
Type of gen. func.: lgdogf

$$- \frac{2 (6 x^4 - 16 x^3 + 21 x^2 - 12 x + 2)}{(6 x^2 - 8 x + 3) (2 x^3 - 6 x^2 + 4 x - 1)}$$

Sequence: A073498
Score: 12.6677
Type of gen. func.: ogf

$$- \frac{6 x^2 - 8 x + 3}{2 x^3 - 6 x^2 + 4 x - 1}$$

Sequence: A073498
Score: 6.66145
Type of gen. func.: ogf

$$-(11 f(x) + 9) (2 f(x) x^3 - 6 f(x) x^2 + 4 f(x) x + 6 x^2 - f(x) - 8 x + 3)$$

Sequence: A073498
Score: 6.89937
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 6 a(n + 1) - 2 a(n), a(0) = 3, a(1) = 4, a(2) = 4\}$$

Sequence: A073525
Score: 5.8784
Type of gen. func.: ogf

$$9 x^3 f(x)^2 - 14 f(x)^2 x^2 + 7 f(x)^2 x + 12 f(x) x^2 - f(x)^2 - 11 f(x) x + 2 f(x) + 4 x - 1$$

Sequence: A073531
Score: 23.0846
Type of gen. func.: lgdegf]

$$\frac{9}{x + 1}$$

Sequence: A073548
Score: 13.0558
Type of gen. func.: ogf

$$-10 f(x) x^2 + 11 f(x) x + 10 x^2 - f(x) - 5 x + 1$$

Sequence: A073548
Score: 17.2523
Type of gen. func.: ogf

$$\frac{10 x^2 - 5 x + 1}{(10 x - 1) (x - 1)}$$

Sequence: A073548
Score: 21.6685
Type of gen. func.: lgdogf

$$- \frac{6 (10 x^2 - 1)}{(x - 1) (10 x - 1) (10 x^2 - 5 x + 1)}$$

Sequence: A073548
Score: 9.20121
Type of gen. func.: ogf

$$\{-a(n + 3) + 11 a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 6, a(2) = 66\}$$

Sequence: A073549
Score: 11.6018
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 0, a(1) = 6\}$$

Sequence: A073549
Score: 15.7861
Type of gen. func.: ogf

$$-10 f(x) x^2 + 11 f(x) x - f(x) + 6 x$$

Sequence: A073549
Score: 19.8628
Type of gen. func.: revogf

$$-\frac{-6 - 11 x + (27 x^2 + 44 x + 12)^{1/2} 3^{1/2}}{20 x}$$

Sequence: A073549
Score: 24.6910
Type of gen. func.: ogf

$$\frac{6 x}{(10 x - 1) (x - 1)}$$

Sequence: A073549
Score: 36.6698
Type of gen. func.: lgdogf

$$-\frac{-11 + 20 x}{(x - 1) (10 x - 1)}$$

Sequence: A073550
Score: 11.3206
Type of gen. func.: lgdogf

$$\frac{2 (40 x^2 - 20 x + 7)}{(x - 1) (10 x - 1) (10 x^2 - 19 x + 3)}$$

Sequence: A073550
Score: 5.18646
Type of gen. func.: ogf

{a(n + 3) - 11 a(n + 2) + 10 a(n + 1), a(0) = 3, a(1) = 14, a(2) = 134}

Sequence: A073550
Score: 5.38788
Type of gen. func.: ogf

$$-(57 f(x) - 73) (10 f(x) x^2 - 11 f(x) x - 10 x^2 + f(x) + 19 x - 3)$$

Sequence: A073550
Score: 9.73598
Type of gen. func.: ogf

$$\frac{10 x^2 - 19 x + 3}{(10 x - 1) (x - 1)}$$

Sequence: A073551
Score: 12.6256
Type of gen. func.: ogf

$$-10 f(x) x^2 + 11 f(x) x + 20 x^2 - f(x) - 10 x + 2$$

Sequence: A073551
Score: 16.6126
Type of gen. func.: ogf

$$\frac{2 (10 x^2 - 5 x + 1)}{(10 x - 1) (x - 1)}$$

Sequence: A073551
Score: 21.2358
Type of gen. func.: lgdogf

$$- \frac{6 (10 x^2 - 1)}{(x - 1) (10 x - 1) (10 x^2 - 5 x + 1)}$$

Sequence: A073551
Score: 8.84970
Type of gen. func.: ogf

$$\{-a(n + 3) + 11 a(n + 2) - 10 a(n + 1), a(0) = 2, a(1) = 12, a(2) = 132\}$$

Sequence: A073552
Score: 11.4543
Type of gen. func.: ogf

$$- \frac{x (4 x - 1)}{(10 x - 1) (x - 1)}$$

Sequence: A073552
Score: 13.3763
Type of gen. func.: revogf

$$- \frac{-1 - 11 x + (81 x^2 + 6 x + 1)^{1/2}}{4 (2 + 5 x)}$$

Sequence: A073552
Score: 14.3795
Type of gen. func.: lgdogf

$$- \frac{40 x^2 - 20 x + 7}{}$$

$$(x - 1) (4 x - 1) (10 x - 1)$$

Sequence: A073552
Score: 5.67152
Type of gen. func.: ogf

$$\{-a(n + 3) + 11 a(n + 2) - 10 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 7\}$$

Sequence: A073552
Score: 7.03817
Type of gen. func.: ogf

$$f(x) (10 f(x) x^2 - 11 f(x) x + 4 x^2 + f(x) - x)$$

Sequence: A073553
Score: 10.1819
Type of gen. func.: ogf

$$-(57 f(x) - 16) (10 f(x) x^2 - 11 f(x) x + f(x) + 8 x - 2)$$

Sequence: A073553
Score: 11.1402
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 2, a(1) = 14\}$$

Sequence: A073553
Score: 20.1472
Type of gen. func.: ogf

$$- \frac{2 (4 x - 1)}{(10 x - 1) (x - 1)}$$

Sequence: A073553
Score: 21.2358
Type of gen. func.: revogf

2   1/2

$$-\frac{-2 - 11 x + (81 x + 12 x + 4)}{4 (4 + 5 x)}$$

Sequence: A073553
Score: 23.3594
Type of gen. func.: lgdogf

$$-\frac{40 x^2 - 20 x + 7}{(x - 1) (4 x - 1) (10 x - 1)}$$

Sequence: A073554
Score: 10.6043
Type of gen. func.: ogf

$$-f(x) (10 f(x) x^2 - 11 f(x) x + 20 x^2 + f(x) - 14 x)$$

Sequence: A073554
Score: 17.8072
Type of gen. func.: ogf

$$-\frac{2 x (10 x - 7)}{(10 x - 1) (x - 1)}$$

Sequence: A073554
Score: 19.8803
Type of gen. func.: revogf

$$-\frac{-14 - 11 x + (81 x^2 + 228 x + 196)^{1/2}}{20 (x + 2)}$$

Sequence: A073554
Score: 21.7297
Type of gen. func.: lgdogf

$$-\frac{100 x^2 - 140 x + 67}{(x - 1) (10 x - 7) (10 x - 1)}$$

Sequence: A073554
Score: 8.90360
Type of gen. func.: ogf

$$\{-a(n + 3) + 11 a(n + 2) - 10 a(n + 1), a(0) = 0, a(1) = 14, a(2) = 134\}$$

Sequence: A073555
Score: 17.2523
Type of gen. func.: ogf

$$-\frac{(1 + 2 x) (5 x - 1)}{(10 x - 1) (x - 1)}$$

Sequence: A073555
Score: 19.4574
Type of gen. func.: lgdogf

$$-\frac{4 (35 x^2 - 10 x + 2)}{(x - 1) (1 + 2 x) (5 x - 1) (10 x - 1)}$$

Sequence: A073555
Score: 9.20121
Type of gen. func.: ogf

$$\{a(n + 3) - 11 a(n + 2) + 10 a(n + 1), a(0) = 1, a(1) = 8, a(2) = 68\}$$

Sequence: A073555
Score: 9.2897
Type of gen. func.: ogf

$$-(-121 + 249 f(x)) (10 f(x) x^2 - 11 f(x) x + 10 x^2 + f(x) + 3 x - 1)$$

Sequence: A073556
Score: 11.1033
Type of gen. func.: ogf

2 2

$$f(x) (10 f(x) x - 11 f(x) x + 10 x + f(x) - 13 x)$$

Sequence: A073556
Score: 17.8072
Type of gen. func.: ogf

$$-\frac{x (10 x - 13)}{(10 x - 1) (x - 1)}$$

Sequence: A073556
Score: 19.8803
Type of gen. func.: revogf

$$-\frac{-13 - 11 x + (81 x^{2} + 246 x + 169)^{1/2}}{20 (x + 1)}$$

Sequence: A073556
Score: 21.2358
Type of gen. func.: lgdogf

$$-\frac{(10 x - 7) (10 x - 19)}{(x - 1) (10 x - 13) (10 x - 1)}$$

Sequence: A073556
Score: 8.90360
Type of gen. func.: ogf

$$\{a(n + 3) - 11 a(n + 2) + 10 a(n + 1), a(0) = 0, a(1) = 13, a(2) = 133\}$$

Sequence: A073577
Score: 13.3689
Type of gen. func.: ogf

$$\frac{x^{2} - 2 x - 7}{(x - 1)^{3}}$$

Sequence: A073577
Score: 25.0058
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x - 23}{(x - 1) (x^2 - 2 x - 7)}$$

Sequence: A073577
Score: 7.03018
Type of gen. func.: ogf

$$(170 f(x) - 1631) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 2 x + 7)$$

Sequence: A073577
Score: 7.15351
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 7, a(1) = 23, a(2) = 47\}$$

Sequence: A073583
Score: 7.58559
Type of gen. func.: ogf

$$-\frac{3 x^{10} + 5 x^9 - 2 x^8 - 3 x^7 + 4 x^6 - 3 x^5 + 5 x^4 - x^3 - x^2 + x + 1}{(x - 1) (x + 1) (x^2 - x + 1) (x^6 - x^3 + 1)}$$

Sequence: A073591
Score: 17.0493
Type of gen. func.: lgdegf]

$$\frac{(x - 2) (x^2 - 2 x + 3)}{(x - 1) (x^2 - 3 x + 3)}$$

Sequence: A073592
Score: 30.1237

Type of gen. func.: ogf_with_Euler_transform]

$$\frac{1}{-x^2 + 2 x - 1}$$

Sequence: A073636
Score: 10.4009
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n), a(0) = 1, a(1) = 8, a(2) = 9\}$$

Sequence: A073636
Score: 13.7965
Type of gen. func.: lgdogf

$$-\frac{(x + 2) (9 x^3 - 2 x^2 + 7 x + 4)}{(x - 1) (x^2 + x + 1) (9 x^2 + 8 x + 1)}$$

Sequence: A073636
Score: 16.1320
Type of gen. func.: ogf

$$-\frac{9 x^2 + 8 x + 1}{(x - 1) (x^2 + x + 1)}$$

Sequence: A073636
Score: 9.08581
Type of gen. func.: ogf

$$-(7341 f(x) + 104860) (f(x) x^3 + 9 x^2 - f(x) + 8 x + 1)$$

Sequence: A073663
Score: 4.39518
Type of gen. func.: ogf

3 2 2 2 3 4 2 3 2

$$4 x \; f(x) \; - f(x) \; x \; + 4 f(x) x \; + x \; - 9 f(x) x \; - 4 x \; + 6 f(x) x + 6 x - f(x) - 4 x + 1$$

Sequence: A073701
Score: 3.20057
Type of gen. func.: ogf

$$\{(n^2 + 4 n + 4) a(n + 1) + (n^2 + 6 n + 8) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 0, a(2) = 1\}$$

Sequence: A073702
Score: 5.74455
Type of gen. func.: lgdogf

$$- \frac{x^{10} + 14 x^9 + 73 x^8 - 140 x^7 + 10 x^6 + 126 x^4 + 92 x^3 + 77 x^2 + 2 x + 1}{(x^3 + x^2 + x - 1) (x^3 - 3 x^2 - x - 1) (x^5 + 7 x^4 + 28 x^3 - 10 x^2 - x - 9)}$$

Sequence: A073702
Score: 6.78907
Type of gen. func.: ogf

$$- \frac{x^5 + 7 x^4 + 28 x^3 - 10 x^2 - x - 9}{(x^3 + x^2 + x - 1) (x^3 - 3 x^2 - x - 1)}$$

Sequence: A073710
Score: 16.5899
Type of gen. func.: ogf_with_Euler_transform]

$$32 x^{15} + 16 x^7 + 8 x^3 + 4 x + 2$$

Sequence: A073717
Score: 11.5462
Type of gen. func.: ogf

$$- \frac{x (x + 1)}{}$$

$$x^3 + x^2 + 3 x - 1$$

Sequence: A073717
Score: 17.0622
Type of gen. func.: lgdogf

$$-\frac{2 (x + 2) (x^2 + 1)}{(x + 1) (x^3 + x^2 + 3 x - 1)}$$

Sequence: A073717
Score: 5.92915
Type of gen. func.: ogf

$$-(4 f(x) + 1) (f(x) x^3 + f(x) x^2 + 3 f(x) x + x^2 - f(x) + x)$$

Sequence: A073717
Score: 5.92915
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 4\}$$

Sequence: A073720
Score: 10.8569
Type of gen. func.: ogf

$$-\frac{3 x^2 - 5 x - 1}{(5 x - 1) (x - 1)}$$

Sequence: A073720
Score: 12.8008
Type of gen. func.: lgdogf

$$\frac{7 x^2 + 16 x - 11}{(x - 1) (5 x - 1) (3 x^2 - 5 x - 1)}$$

Sequence: A073720
Score: 5.53283
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 5 a(n + 1), a(0) = 1, a(1) = 11, a(2) = 58\}$$

Sequence: A073720
Score: 6.057
Type of gen. func.: ogf

$$(50 f(x) + 71) (5 f(x) x^{2} - 6 f(x) x + 3 x^{2} + f(x) - 5 x - 1)$$

Sequence: A073724
Score: 11.8727
Type of gen. func.: ogf

$$\frac{3 x - 1}{(4 x - 1) (x - 1)^{2}}$$

Sequence: A073724
Score: 15.8088
Type of gen. func.: lgdogf

$$- \frac{3 (8 x^{2} - 5 x + 1)}{(x - 1) (3 x - 1) (4 x - 1)}$$

Sequence: A073724
Score: 5.61834
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 9 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A073724
Score: 6.05053
Type of gen. func.: ogf

3 2

$$(19 f(x) + 8) (4 f(x) x - 9 f(x) x + 6 f(x) x - f(x) - 3 x + 1)$$

Sequence: A073728
Score: 13.3923
Type of gen. func.: ogf

$$-\frac{x + 3}{x^3 + x^2 + x - 1}$$

Sequence: A073728
Score: 17.3951
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 + 5 x^2 + 3 x + 2)}{(x + 3) (x^3 + x^2 + x - 1)}$$

Sequence: A073728
Score: 6.33743
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) + a(n), a(0) = 3, a(1) = 4, a(2) = 7\}$$

Sequence: A073728
Score: 6.63356
Type of gen. func.: ogf

$$(220 f(x) - 233) (f(x) x^3 + f(x) x^2 + f(x) x - f(x) + x + 3)$$

Sequence: A073729
Score: 14.3413
Type of gen. func.: ogf

$$\frac{90 x^{10} - 100 x^9 + 11}{(x - 1)^2}$$

Sequence: A073729
Score: 14.7835
Type of gen. func.: lgdogf

$$\frac{2 (360 x^{10} - 800 x^{9} + 450 x^{8} - 11)}{(x - 1) (90 x^{10} - 100 x^{9} + 11)}$$

Sequence: A073748
Score: 6.02359
Type of gen. func.: lgdogf

$$- (x^{10} - 10 x^{9} - 73 x^{8} - 12 x^{7} - 90 x^{6} - 16 x^{5} - 98 x^{4} + 44 x^{3} + 33 x^{2} - 6 x + 3) / ((x^{3} + x^{2} + 3 x - 1) (x^{3} - x^{2} - x - 1) (x^{5} - 5 x^{4} - 24 x^{3} - 6 x^{2} - 9 x + 3))$$

Sequence: A073748
Score: 7.77514
Type of gen. func.: ogf

$$- \frac{x^{5} - 5 x^{4} - 24 x^{3} - 6 x^{2} - 9 x + 3}{(x^{3} + x^{2} + 3 x - 1) (x^{3} - x^{2} - x - 1)}$$

Sequence: A073760
Score: 10.0346
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 6, a(1) = 10\}$$

Sequence: A073760
Score: 18.5082
Type of gen. func.: ogf

$$- \frac{2 (x - 3)}{(x - 1)^{2}}$$

Sequence: A073760
Score: 30.2480
Type of gen. func.: revogf

$$-\frac{-3 - x + (9 + 4 x)^{1/2}}{x + 2}$$

Sequence: A073760
Score: 42.9840
Type of gen. func.: lgdogf

$$-\frac{-5 + x}{(x - 1) (x - 3)}$$

Sequence: A073760
Score: 9.68452
Type of gen. func.: ogf

$$(2 f(x) + 13) (f(x) x^2 - 2 f(x) x + f(x) + 2 x - 6)$$

Sequence: A073762
Score: 12.8238
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 12 x + 12$$

Sequence: A073762
Score: 17.7351
Type of gen. func.: ogf

$$\frac{12 (x + 1)}{(x - 1)^2}$$

Sequence: A073762

Score: 26.3813
Type of gen. func.: revogf

$$-\frac{-6 - x + 2 (9 + 6 x)^{1/2}}{-12 + x}$$

Sequence: A073762
Score: 39.4928
Type of gen. func.: ogf_with_Euler_transform]

[3 - x]

Sequence: A073762
Score: 45.4345
Type of gen. func.: lgdogf

$$-\frac{x + 3}{(x - 1) (x + 1)}$$

Sequence: A073762
Score: 9.92319
Type of gen. func.: ogf

{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 12, a(1) = 36}

Sequence: A073763
Score: 12.8233
Type of gen. func.: ogf

$$\frac{24 (x^2 + x + 1)}{(x + 1) (x - 1)^2}$$

Sequence: A073763
Score: 20.1302
Type of gen. func.: lgdogf

$$-\frac{x^3 + 3 x^2 + 6 x + 2}{}$$

$$(x - 1) (x + 1) (x^2 + x + 1)$$

Sequence: A073763
Score: 32.6493
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + x + 2$$

Sequence: A073763
Score: 7.01448
Type of gen. func.: ogf

$$(5 f(x) + 1032) (f(x) x^3 - f(x) x^2 - f(x) x - 24 x^2 + f(x) - 24 x - 24)$$

Sequence: A073763
Score: 7.13647
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 24, a(1) = 48, a(2) = 96\}$$

Sequence: A073769
Score: 3.33128
Type of gen. func.: ogf

$$f(x) x^4 - 2 f(x) x + f(x) - x$$

Sequence: A073769
Score: 5.69315
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^3 - 1)}{(x - 1) (x^3 + x^2 + x - 1)}$$

Sequence: A073769
Score: 5.95591

Type of gen. func.: ogf

$$\frac{x}{(x-1)(x^3+x^2+x-1)}$$

Sequence: A073773
Score: 15.8483
Type of gen. func.: lgdogf

$$-\frac{4(4x^2+2x-5)}{(1+2x)(2x-1)(4x-3)}$$

Sequence: A073773
Score: 9.19875
Type of gen. func.: ogf

$$\frac{2x^3(1+2x)(4x-3)}{(2x-1)^3}$$

Sequence: A073774
Score: 10.6317
Type of gen. func.: lgdogf

$$-\frac{96x^3-120x^2+18x+17}{(2x-1)(32x^4-16x^3-18x^2+9x+1)}$$

Sequence: A073774
Score: 6.55905
Type of gen. func.: ogf

$$\frac{4x^3(32x^4-16x^3-18x^2+9x+1)}{(2x-1)^4}$$

Sequence: A073775
Score: 12.3565
Type of gen. func.: ogf

$$\frac{12 x^3 - 33 x^2 + 25 x - 2}{(x - 1)^4}$$

Sequence: A073775
Score: 18.7855
Type of gen. func.: lgdogf

$$- \frac{12 x^3 - 30 x^2 + 9 x + 17}{(x - 1) (12 x^3 - 33 x^2 + 25 x - 2)}$$

Sequence: A073775
Score: 5.01788
Type of gen. func.: ogf

$$\{(-261 n^2 - 3777 n - 6510) a(n + 1) + (82 n^2 + 1766 n + 1470) a(n + 2)$$
$$+ (179 n^2 + 691 n + 462) a(n + 3), a(0) = -2, a(1) = 17, a(2) = 47\}$$

Sequence: A073775
Score: 6.63438
Type of gen. func.: ogf

$$(33952 f(x) - 637823) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 12 x^3 - 4 f(x) x$$
$$+ 33 x^2 + f(x) - 25 x + 2)$$

Sequence: A073778
Score: 12.1399
Type of gen. func.: ogf

$$\frac{x^2}{(x^3 + x^2 + x - 1)^2}$$

Sequence: A073778
Score: 24.4494
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^2+2\,x+1)}{x^3+x^2+x-1}$$

Sequence: A073778
Score: 3.81720
Type of gen. func.: ogf

$\{(n + 5)\,a(n + 1) + (n + 4)\,a(n + 2) + (n + 3)\,a(n + 3) + (-n - 2)\,a(n + 4),$

$a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 2\}$

Sequence: A073782
Score: 12.4497
Type of gen. func.: lgdogf

$$-\frac{2\,(x^4+4\,x^3-8\,x^2-4\,x-1)}{(x-1)\,(x+3)\,(x^3+x^2+x-1)}$$

Sequence: A073782
Score: 7.16423
Type of gen. func.: ogf

$$\frac{(x+3)^2\,(x-1)^2}{(x^3+x^2+x-1)^2}$$

Sequence: A073788
Score: 7.57750
Type of gen. func.: ogf

```
              13         6    5    4    3    2
   x (170 x   - 154 x  - x  - x  - x  - x  - x - 1)
 - ------------------------------------------------
        6    5    4    3    2                 2
```

$(x + x + x + x + x + x + 1) (x - 1)$

Sequence: A073789
Score: 6.99585
Type of gen. func.: ogf

$$-\frac{x (180 x^{15} - 163 x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 1)}{(x + 1) (x^{4} + 1) (x^{2} + 1) (x - 1)^{2}}$$

Sequence: A073790
Score: 6.59270
Type of gen. func.: ogf

$$-\frac{x (190 x^{17} - 172 x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 1)}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A073795
Score: 6.94455
Type of gen. func.: ogf

$$-\frac{x (15 x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 1)}{(x + 1) (x^{4} + 1) (x^{2} + 1) (x - 1)^{2}}$$

Sequence: A073796
Score: 6.23270
Type of gen. func.: ogf

$$-\frac{x (17 x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 1)}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A073817
Score: 6.53143
Type of gen. func.: ogf

$$-f(x)\,x^4 - f(x)\,x^3 - f(x)\,x^2 + x^3 - f(x)\,x + 2\,x^2 + f(x) + 3\,x - 4$$

Sequence: A073817
Score: 9.75474
Type of gen. func.: ogf

$$\frac{x^3 + 2\,x^2 + 3\,x - 4}{x^4 + x^3 + x^2 + x - 1}$$

Sequence: A073817
Score: 9.82679
Type of gen. func.: lgdogf

$$-\frac{x^6 + 4\,x^5 + 10\,x^4 - 12\,x^3 - 8\,x^2 - 4\,x - 1}{(x^3 + 2\,x^2 + 3\,x - 4)\,(x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A073835
Score: 5.45923
Type of gen. func.: ogf

$$-\frac{x\,(19\,x^9 - x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 1)}{(x + 1)\,(x^4 + x^3 + x^2 + x + 1)\,(x^4 - x^3 + x^2 - x + 1)\,(x - 1)^2}$$

Sequence: A073845
Score: 12.8809
Type of gen. func.: ogf

$$\frac{2\,x^2 - 2\,x - 1}{(1 + 2\,x)\,(x^2 + x - 1)}$$

Sequence: A073845
Score: 13.8659
Type of gen. func.: lgdogf

$$-\frac{4x^4-8x^3-10x^2-2x-1}{(1+2x)(2x^2-2x-1)(x^2+x-1)}$$

Sequence: A073845
Score: 6.60279
Type of gen. func.: ogf

$$-(127 f(x)-232)(2 f(x) x^3+3 f(x) x^2-f(x) x-2 x^2-f(x)+2 x+1)$$

Sequence: A073845
Score: 7.07867
Type of gen. func.: ogf

$$\{-a(n+3)-a(n+2)+3 a(n+1)+2 a(n), a(0)=1, a(1)=1, a(2)=0\}$$

Sequence: A073856
Score: 10.7811
Type of gen. func.: ogf

$$-(2 f(x) x-f(x)+2 x+1)^3$$

Sequence: A073937
Score: 11.2338
Type of gen. func.: ogf

$$\frac{x^3-2x^2+3x-4}{x^4+x^3-x^2+x-1}$$

Sequence: A073937
Score: 11.4285
Type of gen. func.: lgdogf

$$-\frac{x^6-4x^5+8x^4-12x^3-10x^2+4x-1}{(x^3-2x^2+3x-4)(x^4+x^3-x^2+x-1)}$$

Sequence: A073937
Score: 6.04896
Type of gen. func.: ogf

$$(1689 f(x) - 5048)$$

$$(f(x) x^4 + f(x) x^3 - f(x) x^2 - x^3 + f(x) x + 2 x^2 - f(x) - 3 x + 4)$$

Sequence: A073947
Score: 7.64377
Type of gen. func.: ogf

$$- \frac{21 x^4 - 21 x^3 + 12 x^2 - 5 x + 1}{(3 x - 1) (3 x^2 + 1) (3 x^2 - 3 x + 1)}$$

Sequence: A073948
Score: 5.84709
Type of gen. func.: ogf

$$-27 f(x) x^5 + 36 f(x) x^4 - 27 f(x) x^3 + 6 x^4 + 15 f(x) x^2 - 6 x^3 - 6 f(x) x$$

$$+ f(x)$$

Sequence: A073948
Score: 9.31204
Type of gen. func.: ogf

$$\frac{6 x^3 (x - 1)}{(3 x - 1) (3 x^2 + 1) (3 x^2 - 3 x + 1)}$$

Sequence: A073948
Score: 9.50516
Type of gen. func.: lgdogf

$$- \frac{108 x^5 - 243 x^4 + 198 x^3 - 96 x^2 + 30 x - 5}{\quad}$$

$$(x-1)(3x-1)(3x^2+1)(3x^2-3x+1)$$

Sequence: A073949
Score: 8.21911
Type of gen. func.: ogf

$$\frac{2x(3x^3-3x^2+3x-1)}{(3x-1)(3x^2+1)(3x^2-3x+1)}$$

Sequence: A073950
Score: 7.88018
Type of gen. func.: ogf

$$-\frac{(x-1)(3x^3-3x^2+3x-1)}{(3x-1)(3x^2+1)(3x^2-3x+1)}$$

Sequence: A073951
Score: 8.18290
Type of gen. func.: ogf

$$-\frac{x(3x^3+3x^2-3x+1)}{(3x-1)(3x^2+1)(3x^2-3x+1)}$$

Sequence: A073952
Score: 8.55067
Type of gen. func.: ogf

$$-\frac{3x^2(x-1)^2}{(3x-1)(3x^2+1)(3x^2-3x+1)}$$

Sequence: A073952
Score: 9.67019
Type of gen. func.: lgdogf

$$-\frac{81x^5-207x^4+171x^3-81x^2+24x-4}{(x-1)(3x-1)(3x^2+1)(3x^2-3x+1)}$$

Sequence: A073963
Score: 5.62103
Type of gen. func.: ogf

$$-\frac{525x^6-525x^5+190x^4-26x^2+9x-1}{(5x-1)(5x^2-1)(25x^4-25x^3+15x^2-5x+1)}$$

Sequence: A073964
Score: 5.43478
Type of gen. func.: ogf

$$\frac{2x(50x^5-50x^4+5x^3+15x^2-7x+1)}{(5x-1)(5x^2-1)(25x^4-25x^3+15x^2-5x+1)}$$

Sequence: A073965
Score: 5.61489
Type of gen. func.: ogf

$$\frac{2x^2(50x^4-50x^3+30x^2-15x+3)}{(5x-1)(5x^2-1)(25x^4-25x^3+15x^2-5x+1)}$$

Sequence: A073966
Score: 5.38013
Type of gen. func.: ogf

$$-\frac{25x^6-50x^5+15x^4+20x^3-21x^2+8x-1}{(5x-1)(5x^2-1)(25x^4-25x^3+15x^2-5x+1)}$$

Sequence: A073967
Score: 5.70061
Type of gen. func.: ogf

$$-\frac{x^2 (25 x^4 + 75 x^3 - 85 x^2 + 35 x - 6)}{(5 x - 1) (5 x^2 - 1) (25 x^4 - 25 x^3 + 15 x^2 - 5 x + 1)}$$

Sequence: A073968
Score: 5.70061
Type of gen. func.: ogf

$$-\frac{x^2 (25 x^4 - 50 x^3 + 40 x^2 - 10 x - 1)}{(5 x - 1) (5 x^2 - 1) (25 x^4 - 25 x^3 + 15 x^2 - 5 x + 1)}$$

Sequence: A073969
Score: 5.51470
Type of gen. func.: ogf

$$-\frac{x (25 x^5 - 50 x^4 + 65 x^3 - 40 x^2 + 14 x - 2)}{(5 x - 1) (5 x^2 - 1) (25 x^4 - 25 x^3 + 15 x^2 - 5 x + 1)}$$

Sequence: A073970
Score: 5.59701
Type of gen. func.: ogf

$$-\frac{x (25 x^5 - 50 x^4 + 15 x^3 - 5 x^2 + 4 x - 1)}{(5 x - 1) (5 x^2 - 1) (25 x^4 - 25 x^3 + 15 x^2 - 5 x + 1)}$$

Sequence: A073995
Score: 11.3749
Type of gen. func.: ogf

$$-\frac{26 x^3 - 13 x^2 + 5 x - 1}{(4 x - 1) (2 x - 1) (4 x^2 + 1)}$$

Sequence: A073995
Score: 6.13645
Type of gen. func.: ogf

$$-(3560 f(x) + 4503) (32 f(x) x^4 - 24 f(x) x^3 + 12 f(x) x^2 + 26 x^3 - 6 f(x) x - 13 x^2 + f(x) + 5 x - 1)$$

Sequence: A073996
Score: 12.2286
Type of gen. func.: ogf

$$\frac{x (6 x^2 - 3 x + 1)}{(4 x - 1) (2 x - 1) (4 x^2 + 1)}$$

Sequence: A073996
Score: 6.54488
Type of gen. func.: ogf

$$-(56 f(x) + 17) (32 f(x) x^4 - 24 f(x) x^3 + 12 f(x) x^2 - 6 x^3 - 6 f(x) x + 3 x^2 + f(x) - x)$$

Sequence: A073997
Score: 11.6593
Type of gen. func.: ogf

$$- \frac{2 x^3 - 3 x^2 + 4 x - 1}{(4 x - 1) (2 x - 1) (4 x^2 + 1)}$$

Sequence: A073997
Score: 6.26001
Type of gen. func.: ogf

$$(129320 f(x) - 45667) (32 f(x) x^4 - 24 f(x) x^3 + 12 f(x) x^2 + 2 x^3 - 6 f(x) x$$

$$- 3 x^{2} + f(x) + 4 x - 1)$$

Sequence: A073998
Score: 12.2286
Type of gen. func.: ogf

$$- \frac{x (2 x^{2} + 5 x - 2)}{(4 x - 1) (2 x - 1) (4 x^{2} + 1)}$$

Sequence: A073998
Score: 6.5913
Type of gen. func.: ogf

$$(4840 f(x) + 777) ($$

$$32 f(x) x^{4} - 24 f(x) x^{3} + 12 f(x) x^{2} + 2 x^{3} - 6 f(x) x + 5 x^{2} + f(x) - 2 x)$$

Sequence: A073999
Score: 12.8612
Type of gen. func.: ogf

$$- \frac{x^{2} (2 x - 3)}{(4 x - 1) (2 x - 1) (4 x^{2} + 1)}$$

Sequence: A073999
Score: 6.71019
Type of gen. func.: ogf

$$(4200 f(x) + 4061)$$

$$(32 f(x) x^{4} - 24 f(x) x^{3} + 12 f(x) x^{2} + 2 x^{3} - 6 f(x) x - 3 x^{2} + f(x))$$

Sequence: A074048
Score: 7.65826
Type of gen. func.: lgdogf

8 7 6 5 4 3 2

$$-\frac{x + 4 x + 10 x + 20 x - 15 x - 12 x - 8 x - 4 x - 1}{(x^5 + x^4 + x^3 + x^2 + x - 1) (x^4 + 2 x^3 + 3 x^2 + 4 x - 5)}$$

Sequence: A074048
Score: 8.30401
Type of gen. func.: ogf

$$\frac{x^4 + 2 x^3 + 3 x^2 + 4 x - 5}{x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A074051
Score: 21.0221
Type of gen. func.: lgdegf]

-a(n) + (-1 - n) a(n + 1), a(0) = -1, a(1) = -1

Sequence: A074058
Score: 11.2338
Type of gen. func.: ogf

$$-\frac{x^3 + 2 x^2 + 3 x + 4}{x^4 - x^3 - x^2 - x - 1}$$

Sequence: A074058
Score: 12.7391
Type of gen. func.: lgdogf

$$-\frac{x^6 + 4 x^5 + 8 x^4 + 12 x^3 - 10 x^2 - 4 x - 1}{(x^3 + 2 x^2 + 3 x + 4) (x^4 - x^3 - x^2 - x - 1)}$$

Sequence: A074058
Score: 5.88436
Type of gen. func.: ogf

-(1689 f(x) - 5048)

$$(f(x)\,x^4 - f(x)\,x^3 - f(x)\,x^2 + x^3 - f(x)\,x + 2\,x^2 - f(x) + 3\,x + 4)$$

Sequence: A074059
Score: 21.9495
Type of gen. func.: revegf]

$$-\ln(x + 1)\,x - \ln(x + 1) + 2\,x$$

Sequence: A074061
Score: 5.68738
Type of gen. func.: ogf

$$-(36432\,f(x) - 18383)\,(f(x)\,x^4 - 10\,f(x)\,x^2 + x^3 + 4\,x^2 + f(x) - 4\,x - 1)$$

Sequence: A074061
Score: 8.94830
Type of gen. func.: lgdogf

$$-\frac{x^6 + 8\,x^5 - 2\,x^4 - 4\,x^3 + 37\,x^2 + 12\,x + 4}{(x - 1)\,(x^2 + 5\,x + 1)\,(x^4 - 10\,x^2 + 1)}$$

Sequence: A074061
Score: 9.82367
Type of gen. func.: ogf

$$-\frac{(x - 1)\,(x^2 + 5\,x + 1)}{x^4 - 10\,x^2 + 1}$$

Sequence: A074062
Score: 5.27087
Type of gen. func.: ogf

$$-\frac{x^4 + 2\,x^3 + 3\,x^2 + 4\,x + 5}{x^5 - x^4 - x^3 - x^2 - x - 1}$$

Sequence: A074062
Score: 5.62662
Type of gen. func.: lgdogf

$$-\frac{x^8 + 4 x^7 + 8 x^6 + 12 x^5 + 15 x^4 - 20 x^3 - 10 x^2 - 4 x - 1}{(x^4 + 2 x^3 + 3 x^2 + 4 x + 5) (x^5 - x^4 - x^3 - x^2 - x - 1)}$$

Sequence: A074066
Score: 11.0527
Type of gen. func.: ogf

$$\frac{2 x^4 - 2 x^3 - x^2 + 3 x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A074066
Score: 14.3814
Type of gen. func.: lgdogf

$$\frac{2 (x^4 - 7 x^3 - x - 2)}{(x - 1) (x^2 + x + 1) (2 x^4 - 2 x^3 - x^2 + 3 x + 1)}$$

Sequence: A074066
Score: 6.39891
Type of gen. func.: ogf

$-(27 f(x) + 70)$

$$(f(x) x^4 - f(x) x^3 - 2 x^4 + 2 x^3 - f(x) x + x^2 + f(x) - 3 x - 1)$$

Sequence: A074067
Score: 7.00941
Type of gen. func.: lgdogf

$$2 (2 x^{11} - 2 x^{10} + x^8 + 2 x^7 - 21 x^6 + 3 x^5 - x^3 - 2 x^2 - 6 x - 1) \ / \ ((x - 1)$$

/

$$(x^4 + x^3 + x^2 + x + 1) (4 x^7 - 2 x^6 - 2 x^5 - x^4 - x^3 + 5 x^2 + x + 1))$$

Sequence: A074067
Score: 8.42630
Type of gen. func.: ogf

$$\frac{4 x^7 - 2 x^6 - 2 x^5 - x^4 - x^3 + 5 x^2 + x + 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A074068
Score: 6.75441
Type of gen. func.: ogf

$$\frac{6 x^{10} - 2 x^9 - 2 x^8 - 2 x^7 - x^6 - x^5 - x^4 + 7 x^3 + x^2 + x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A074081
Score: 10.3428
Type of gen. func.: ogf

$$- \frac{x^3 - 2 x^2 + 3 x + 4}{x^4 - x^3 + x^2 - x - 1}$$

Sequence: A074081
Score: 11.2349
Type of gen. func.: lgdogf

$$- \frac{x^6 - 4 x^5 + 10 x^4 + 12 x^3 - 8 x^2 + 4 x - 1}{(x^3 - 2 x^2 + 3 x + 4) (x^4 - x^3 + x^2 - x - 1)}$$

Sequence: A074081
Score: 6.9252

Type of gen. func.: ogf

$$f(x)\,x^4 - f(x)\,x^3 + f(x)\,x^2 + x^3 - f(x)\,x - 2\,x^2 - f(x) + 3\,x + 4$$

Sequence: A074082
Score: 13.2757
Type of gen. func.: lgdogf

$$-\frac{3\,x^4 + 8\,x^3 + 5\,x^2 - 8\,x - 6}{(x^2 + x - 1)\,(x^3 + 2\,x^2 - 2)}$$

Sequence: A074082
Score: 8.79300
Type of gen. func.: ogf

$$\frac{x^4\,(x^3 + 2\,x^2 - 2)}{(x^2 + x - 1)^3}$$

Sequence: A074083
Score: 5.28954
Type of gen. func.: ogf

$$\frac{x^5\,(x + 1)\,(2\,x^4 + 4\,x^3 - 3\,x^2 - 6\,x + 4)}{(x^2 + x - 1)^4}$$

Sequence: A074083
Score: 8.38029
Type of gen. func.: lgdogf

$$-\frac{6\,x^6 + 22\,x^5 + 15\,x^4 - 29\,x^3 - 29\,x^2 + 8\,x + 14}{(x + 1)\,(x^2 + x - 1)\,(2\,x^4 + 4\,x^3 - 3\,x^2 - 6\,x + 4)}$$

Sequence: A074084

Score: 19.0844
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 10 x + 9}{(x + 2) (x^2 + 2 x - 1)}$$

Sequence: A074084
Score: 5.06495
Type of gen. func.: ogf

$$-f(x) (f(x) x^4 + 4 f(x) x^3 - x^4 + 2 f(x) x^2 - 2 x^3 - 4 f(x) x + f(x))$$

Sequence: A074084
Score: 9.17562
Type of gen. func.: ogf

$$\frac{x^3 (x + 2)}{(x^2 + 2 x - 1)^2}$$

Sequence: A074085
Score: 10.0487
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^4 + 16 x^3 + 26 x^2 + 5 x - 12)}{(x^2 + 2 x - 1) (2 x^3 + 8 x^2 + 6 x - 5)}$$

Sequence: A074085
Score: 6.36748
Type of gen. func.: ogf

$$\frac{x^4 (2 x^3 + 8 x^2 + 6 x - 5)}{(x^2 + 2 x - 1)^3}$$

Sequence: A074086
Score: 4.63199
Type of gen. func.: ogf

$$\frac{x^5 (x + 2) (5 x^4 + 20 x^3 + 9 x^2 - 24 x + 7)}{(x^2 + 2 x - 1)^4}$$

Sequence: A074086
Score: 6.83795
Type of gen. func.: lgdogf

$$-\frac{15 x^6 + 110 x^5 + 270 x^4 + 182 x^3 - 164 x^2 - 146 x + 71}{(x + 2) (x^2 + 2 x - 1) (5 x^4 + 20 x^3 + 9 x^2 - 24 x + 7)}$$

Sequence: A074087
Score: 15.4341
Type of gen. func.: lgdogf

$$-\frac{27 x^2 + 30 x + 11}{(3 x + 2) (3 x - 1) (x + 1)}$$

Sequence: A074087
Score: 3.45799
Type of gen. func.: ogf

$$\{(9 n^2 - 21 n) a(n) + (6 n^2 - 20 n - 6) a(n + 1) + (-3 n^2 + 13 n - 10) a(n + 2)$$

$$, a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6\}$$

Sequence: A074087
Score: 4.80277
Type of gen. func.: ogf

$$-f(x) (9 f(x) x^4 + 12 f(x) x^3 - 9 x^4 - 2 f(x) x^2 - 6 x^3 - 4 f(x) x + f(x))$$

Sequence: A074087

Score: 8.64499
Type of gen. func.: ogf

$$\frac{3 x^{3} (3 x + 2)}{(x + 1)^{2} (3 x - 1)^{2}}$$

Sequence: A074088
Score: 5.77593
Type of gen. func.: ogf

$$\frac{3 x^{4} (18 x^{3} + 24 x^{2} + 2 x - 7)}{(x + 1)^{3} (3 x - 1)^{3}}$$

Sequence: A074088
Score: 8.70458
Type of gen. func.: lgdogf

$$- \frac{2 (81 x^{4} + 144 x^{3} + 66 x^{2} - 35 x - 20)}{(3 x - 1) (x + 1) (18 x^{3} + 24 x^{2} + 2 x - 7)}$$

Sequence: A074089
Score: 3.98233
Type of gen. func.: ogf

$$\frac{3 x^{5} (3 x + 2) (63 x^{4} + 84 x^{3} - 23 x^{2} - 40 x + 13)}{(x + 1)^{4} (3 x - 1)^{4}}$$

Sequence: A074089
Score: 5.72902
Type of gen. func.: lgdogf

$$- \frac{1701 x^{6} + 4158 x^{5} + 2430 x^{4} - 1278 x^{3} - 1228 x^{2} + 46 x + 167}{(3 x + 2) (3 x - 1) (x + 1) (63 x^{4} + 84 x^{3} - 23 x^{2} - 40 x + 13)}$$

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------------------------------------------------------------------------------

Sequence:  A074092
Score: 10.3738
Type of gen. func.: lgdogf


                                4       3       2
                         2 (16 x  - 32 x  + 20 x  + 1)
                   -----------------------------------------
                                  4      3      2
                   (2 x - 1) (16 x  - 8 x  - 8 x  + 4 x - 1)



------------------------------------------------------------------------------

Sequence:  A074092
Score: 4.36476
Type of gen. func.: ogf


{-a(n + 5) + 6 a(n + 4) - 12 a(n + 3) + 8 a(n + 2), a(0) = 1, a(1) = 2,

    a(2) = 8, a(3) = 40, a(4) = 144}



------------------------------------------------------------------------------

Sequence:  A074092
Score: 4.74988
Type of gen. func.: ogf


-(29 f(x) - 294)

             3       4             2      3                2
    (8 f(x) x  - 16 x  - 12 f(x) x  + 8 x  + 6 f(x) x + 8 x  - f(x) - 4 x + 1)



------------------------------------------------------------------------------

Sequence:  A074092
Score: 8.17703
Type of gen. func.: ogf


                             4      3      2
                         16 x  - 8 x  - 8 x  + 4 x - 1
                         -----------------------------
                                                  3
                                  (2 x - 1)



------------------------------------------------------------------------------

Sequence:  A074110
Score: 6.09836
Type of gen. func.: ogf


                        7       6    5       3    2
                    10 x  - 11 x  + x  + 10 x  - x  - 20 x - 7
                  - ------------------------------------------
                                (10 x - 1) (x - 1)
```

Sequence: A074113
Score: 11.7565
Type of gen. func.: lgdogf

$$- \frac{8 (8192 x^4 + 2048 x^3 + 384 x^2 + 16 x + 1)}{(1024 x^3 - 1) (64 x^2 + 8 x + 1)}$$

Sequence: A074113
Score: 5.0559
Type of gen. func.: ogf

$$-(f(x) - 8) (1024 f(x) x^3 + 512 x^2 - f(x) + 64 x + 8)$$

Sequence: A074113
Score: 5.24087
Type of gen. func.: ogf

$$\{a(n + 3) - 1024 a(n), a(0) = 8, a(1) = 64, a(2) = 512\}$$

Sequence: A074113
Score: 7.81365
Type of gen. func.: ogf

$$- \frac{8 (64 x^2 + 8 x + 1)}{1024 x^3 - 1}$$

Sequence: A074116
Score: 10.5542
Type of gen. func.: lgdogf

$$- \frac{8 (8192 x^4 + 2048 x^3 + 384 x^2 + 16 x + 1)}{(1024 x^3 - 1) (64 x^2 + 8 x + 1)}$$

Sequence: A074116
Score: 14.1155
Type of gen. func.: ogf

$$-\frac{8\,(64\,x^{2}+8\,x+1)}{1024\,x^{3}-1}$$

Sequence: A074116
Score: 9.13357
Type of gen. func.: ogf

$$-(f(x)-8)\,(1024\,f(x)\,x^{3}+512\,x^{2}-f(x)+64\,x+8)$$

Sequence: A074116
Score: 9.46772
Type of gen. func.: ogf

$$\{a(n+3)-1024\,a(n),\ a(0)=8,\ a(1)=64,\ a(2)=512\}$$

Sequence: A074117
Score: 13.9601
Type of gen. func.: ogf

$$(9\,f(x)\,x-f(x)+18\,x+1)^{2}$$

Sequence: A074117
Score: 3.16704
Type of gen. func.: ogf

$$3\,(9\,x+1)\,(9\,x-1)\,(86093442\,x^{8}+9565938\,x^{7}+1062882\,x^{6}+118098\,x^{5}+13122\,x^{4}+1458\,x^{3}+162\,x^{2}+9\,x+1)\ /\ (774840978\,x^{9}+6561\,x^{4}-1)$$

Sequence: A074118
Score: 12.6938
Type of gen. func.: ogf

$$(9 f(x) x - f(x) + 1)^{2}$$

Sequence: A074118
Score: 3.42049
Type of gen. func.: ogf

$$\frac{(9 x + 1) (774840978 x^{9} - 531441 x^{6} - 6561 x^{4} - 81 x^{2} - 1)}{774840978 x^{9} + 43046721 x^{8} - 1}$$

Sequence: A074143
Score: 16.9068
Type of gen. func.: lgdegf]

$$\frac{2 (x + 2)}{(x - 1) (x^{3} - 3 x^{2} + 2 x - 2)}$$

Sequence: A074143
Score: 5.56925
Type of gen. func.: egf]

$$(472 f(x) - 557)$$

$$(2 f(x) x^{3} - 6 f(x) x^{2} - x^{3} + 6 f(x) x + 3 x^{2} - 2 f(x) - 2 x + 2)$$

Sequence: A074143
Score: 7.76649
Type of gen. func.: egf]

$$\frac{x^{3} - 3 x^{2} + 2 x - 2}{2 (x - 1)^{3}}$$

Sequence: A074148
Score: 13.6031
Type of gen. func.: ogf

^{2}

$$\frac{x \; - 2 x - 1}{(x + 1) (x - 1)^{3}}$$

Sequence: A074148
Score: 18.0869
Type of gen. func.: lgdogf

$$- \frac{2 (x^{3} - 2 x^{2} - 3 x - 2)}{(x - 1) (x + 1) (x^{2} - 2 x - 1)}$$

Sequence: A074148
Score: 7.03213
Type of gen. func.: ogf

$$-(41 f(x) - 156) (f(x) x^{4} - 2 f(x) x^{3} + 2 f(x) x - x^{2} - f(x) + 2 x + 1)$$

Sequence: A074149
Score: 11.6094
Type of gen. func.: lgdogf

$$- \frac{2 (x^{5} + 7 x^{4} + 10 x^{3} + 18 x^{2} + 9 x + 3)}{(x - 1) (x + 1) (x^{2} + 1) (x^{2} + 4 x + 1)}$$

Sequence: A074149
Score: 7.73439
Type of gen. func.: ogf

$$\frac{(x^{2} + 1) (x^{2} + 4 x + 1)}{(x + 1)^{2} (x - 1)^{4}}$$

Sequence: A074150
Score: 3.37637
Type of gen. func.: ogf

$$-\frac{2 x^{3} - x^{2} + 1}{(x + 1) (x - 1)^{3}}$$

Sequence: A074155
Score: 10.1245
Type of gen. func.: ogf

$$\frac{28 x^{4} - 84 x^{3} + 84 x^{2} - 33 x - 1}{(x - 1)^{3}}$$

Sequence: A074155
Score: 11.8335
Type of gen. func.: lgdogf

$$\frac{2 (14 x^{4} - 56 x^{3} + 84 x^{2} - 51 x + 18)}{(x - 1) (28 x^{4} - 84 x^{3} + 84 x^{2} - 33 x - 1)}$$

Sequence: A074155
Score: 5.54109
Type of gen. func.: ogf

$\{-a(n + 5) + 3 a(n + 4) - 3 a(n + 3) + a(n + 2), a(0) = 1, a(1) = 36, a(2) = 21,$

$a(3) = 40, a(4) = 65\}$

Sequence: A074155
Score: 5.65573
Type of gen. func.: ogf

$(1928664 f(x) - 122489395)$

$(f(x) x^{3} - 28 x^{4} - 3 f(x) x^{2} + 84 x^{3} + 3 f(x) x - 84 x^{2} - f(x) + 33 x + 1)$

Sequence: A074166
Score: 7.01576
Type of gen. func.: egf]

$$(f(x) - 1) (f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A074170
Score: 5.27546
Type of gen. func.: ogf

$$- (46 x^{24} - 92 x^{23} + 46 x^{22} + 22 x^{12} - 24 x^{11} - 18 x^{10} + 20 x^9 + 14 x^8 - 16 x^7 - 8 x^5 + 16 x^4 - 8 x^3 + 1) / (x - 1)^3$$

Sequence: A074171
Score: 11.2662
Type of gen. func.: ogf

$$\frac{6 x^4 - 12 x^3 + 6 x^2 - 1}{(x - 1)^3}$$

Sequence: A074171
Score: 14.4163
Type of gen. func.: lgdogf

$$\frac{3 (2 x^4 - 8 x^3 + 10 x^2 - 4 x + 1)}{(x - 1) (6 x^4 - 12 x^3 + 6 x^2 - 1)}$$

Sequence: A074171
Score: 8.17351
Type of gen. func.: ogf

$$f(x) x^3 - 6 x^4 - 3 f(x) x^2 + 12 x^3 + 3 f(x) x - 6 x^2 - f(x) + 1$$

Sequence: A074193
Score: 7.00192
Type of gen. func.: lgdogf

$$-(x^{10}-8x^9+20x^8+24x^7+11x^6+36x^5-11x^4+24x^3-20x^2-8x-1) / ((x^5-4x^4+6x^3+8x^2+5x+6)(x^6-x^5+2x^4-2x^3-2x^2-x-1))$$

Sequence: A074193
Score: 7.80191
Type of gen. func.: ogf

$$-\frac{x^5-4x^4+6x^3+8x^2+5x+6}{x^6-x^5+2x^4-2x^3-2x^2-x-1}$$

Sequence: A074227
Score: 2.05892
Type of gen. func.: ogf

$$(f(x)-2)(f(x)x^4-f(x)x^3-f(x)x-x^2+f(x)-2x-1)$$

Sequence: A074227
Score: 3.74656
Type of gen. func.: ogf

$$\frac{(x+1)^2}{(x^2+x+1)(x-1)^2}$$

Sequence: A074227
Score: 5.13488
Type of gen. func.: lgdogf

$$-\frac{2x^3+5x^2+2x+3}{(x-1)(x+1)(x^2+x+1)}$$

Sequence: A074227
Score: 7.78076
Type of gen. func.: egf]_with_Euler_transform]

$$3 - 2 x + 1/2 x^2$$

Sequence: A074229
Score: 10.7343
Type of gen. func.: ogf

$$\frac{x^4 + 4 x^3 + 14 x^2 + 4 x + 1}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A074229
Score: 8.92578
Type of gen. func.: lgdogf

$$- \frac{x^7 + 9 x^6 + 47 x^5 + 35 x^4 + 31 x^3 + 31 x^2 + 33 x + 5}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 4 x^3 + 14 x^2 + 4 x + 1)}$$

Sequence: A074231
Score: 12.6442
Type of gen. func.: ogf

$$\frac{(x + 1)^2}{(x^2 + 1) (x - 1)^2}$$

Sequence: A074231
Score: 22.5197
Type of gen. func.: lgdogf

$$- \frac{2 (x^3 + 2 x^2 - x + 2)}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A074231
Score: 29.9726
Type of gen. func.: ogf_with_Euler_transform]

$$[x^3 - 3 x + 4]$$

Sequence: A074231
Score: 4.45127
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 1) + (n + 3) a(n + 2) + (-n - 4) a(n + 3) + (n + 3) a(n + 4),$$

$$a(0) = 1, a(1) = 4, a(2) = 7, a(3) = 8\}$$

Sequence: A074231
Score: 6.46257
Type of gen. func.: ogf

$$-(11 f(x) + 67)$$

$$(f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - 2 f(x) x - x^2 + f(x) - 2 x - 1)$$

Sequence: A074232
Score: 21.6570
Type of gen. func.: ogf_with_Euler_transform]

$$x^6 - x^5 - x^2 + x + 2$$

Sequence: A074232
Score: 7.80223
Type of gen. func.: lgdogf

$$- \frac{2 x^{10} + 2 x^9 + 6 x^8 + x^7 + 10 x^6 + 3 x^5 + 3 x^4 + 8 x^3 + x^2 + 4 x + 2}{(x - 1) (x^2 + x + 1) (x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A074232
Score: 9.57957
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1)(x^2 + x + 1)^2}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A074305
Score: 10.9590
Type of gen. func.: lgdogf

$$-\frac{6x^6 + 3x^5 + 8x^4 + 17x^3 + 21x^2 + 4x + 1}{(x - 1)(x^2 + x + 1)(3x^2 + 4x + 3)(x^2 - x + 1)}$$

Sequence: A074305
Score: 11.5526
Type of gen. func.: ogf

$$\frac{x(3x^2 + 4x + 3)(x^2 - x + 1)}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A074306
Score: 10.4149
Type of gen. func.: lgdogf

$$-\frac{4x^7 + 9x^6 + 21x^4 + 18x^3 + 15x^2 + 2x + 3}{(x - 1)(1 + 2x)(x + 2)(x + 1)(x^2 + 1)(x^2 - x + 1)}$$

Sequence: A074306
Score: 10.5659
Type of gen. func.: ogf

$$\frac{x(1 + 2x)(x + 2)(x^2 - x + 1)}{(x^2 + 1)(x + 1)^2 (x - 1)^2}$$

Sequence: A074323
Score: 13.8928
Type of gen. func.: ogf

$$-2 f(x) x^2 - x^2 + f(x) - x - 1$$

Sequence: A074323
Score: 15.0270
Type of gen. func.: ogf

$$-\frac{x^2 + x + 1}{2 x^2 - 1}$$

Sequence: A074323
Score: 21.2168
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 6 x + 1}{(x^2 + x + 1) (2 x^2 - 1)}$$

Sequence: A074323
Score: 8.76573
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 3\}$$

Sequence: A074324
Score: 14.9923
Type of gen. func.: ogf

$$-\frac{x^2 + x + 1}{3 x^2 - 1}$$

Sequence: A074324
Score: 21.1849
Type of gen. func.: lgdogf

$$-\frac{3x^2+8x+1}{(x^2+x+1)(3x^2-1)}$$

Sequence: A074324
Score: 8.74550
Type of gen. func.: ogf

$$\{-a(n+3)+3a(n+1), a(0)=1, a(1)=1, a(2)=4\}$$

Sequence: A074324
Score: 9.54054
Type of gen. func.: ogf

$$(76f(x)-73)(3f(x)x^2+x^2-f(x)+x+1)$$

Sequence: A074331
Score: 14.9216
Type of gen. func.: ogf

$$\frac{x}{(x-1)(x+1)(x^2+x-1)}$$

Sequence: A074331
Score: 16.7498
Type of gen. func.: lgdogf

$$-\frac{4x^3+3x^2-4x-1}{(x-1)(x+1)(x^2+x-1)}$$

Sequence: A074331
Score: 6.24919
Type of gen. func.: ogf

$$(4f(x)+3)(f(x)x^4+f(x)x^3-2f(x)x^2-f(x)x+f(x)-x)$$

Sequence: A074334
Score: 5.63059
Type of gen. func.: lgdogf

$$\frac{4 (x - 1) (72 x^4 - 44 x^3 + 36 x^2 + 12 x + 5)}{(4 x - 1) (144 x^5 - 128 x^4 + 32 x^3 + 2 x + 1)}$$

Sequence: A074337
Score: 10.3609
Type of gen. func.: lgdogf

$$- \frac{-117851061187 + 98005495447 x}{(x - 1) (98005495447 x - 107928278317)}$$

Sequence: A074337
Score: 10.3791
Type of gen. func.: ogf

$$- \frac{98005495447 x - 107928278317}{(x - 1)^2}$$

Sequence: A074337
Score: 4.9639
Type of gen. func.: ogf

$$(19845565740 f(x) + 11746974880356977789389)$$

$$(f(x) x^2 - 2 f(x) x + f(x) + 98005495447 x - 107928278317)$$

Sequence: A074337
Score: 6.58671
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 107928278317, a(1) = 117851061187\}$$

Sequence: A074352
Score: 11.1483
Type of gen. func.: ogf

$$\frac{2 x^3 (1 + 2 x)}{(x + 1)^2 (2 x - 1)^2}$$

Sequence: A074352
Score: 17.6218
Type of gen. func.: lgdogf

$$- \frac{2 (6 x^2 + 5 x + 2)}{(1 + 2 x) (2 x - 1) (x + 1)}$$

Sequence: A074352
Score: 4.49843
Type of gen. func.: ogf

$$\{(4 n^2 - 6 n) a(n) + (2 n^2 - 5 n - 2) a(n + 1) + (-2 n^2 + 7 n - 5) a(n + 2),$$
$$a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 2\}$$

Sequence: A074352
Score: 6.35729
Type of gen. func.: ogf

$$f(x) (4 f(x) x^4 + 4 f(x) x^3 - 4 x^4 - 3 f(x) x^2 - 2 x^3 - 2 f(x) x + f(x))$$

Sequence: A074353
Score: 10.4693
Type of gen. func.: lgdogf

$$- \frac{2 (12 x^4 + 16 x^3 + 3 x^2 - 15 x - 5)}{(2 x - 1) (x + 1) (4 x^3 + 4 x^2 - x - 3)}$$

Sequence: A074353
Score: 7.43620
Type of gen. func.: ogf

$$\frac{2 x^{4} (4 x^{3} + 4 x^{2} - x - 3)}{(x + 1)^{3} (2 x - 1)^{3}}$$

Sequence: A074354
Score: 4.52113
Type of gen. func.: ogf

$$\frac{2 x^{5} (1 + 2 x) (12 x^{4} + 12 x^{3} - 13 x^{2} - 10 x + 7)}{(x + 1)^{4} (2 x - 1)^{4}}$$

Sequence: A074354
Score: 6.43454
Type of gen. func.: lgdogf

$$- \frac{2 (72 x^{6} + 132 x^{5} - 10 x^{4} - 133 x^{3} - 26 x^{2} + 29 x + 16)}{(1 + 2 x) (2 x - 1) (x + 1) (12 x^{4} + 12 x^{3} - 13 x^{2} - 10 x + 7)}$$

Sequence: A074355
Score: 18.8008
Type of gen. func.: lgdogf

$$- \frac{27 x^{2} + 15 x + 5}{(1 + 3 x) (3 x^{2} + x - 1)}$$

Sequence: A074355
Score: 3.93176
Type of gen. func.: ogf

$$\{(9 n^{2} - 12 n) a(n) + (3 n^{2} - 7 n - 3) a(n + 1) + (-3 n^{2} + 10 n - 7) a(n + 2),$$

$$a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 3\}$$

Sequence: A074355
Score: 5.62144
Type of gen. func.: ogf

$$f(x)\,(9\,f(x)\,x^4 + 6\,f(x)\,x^3 - 9\,x^4 - 5\,f(x)\,x^2 - 3\,x^3 - 2\,f(x)\,x + f(x))$$

Sequence: A074355
Score: 9.85790
Type of gen. func.: ogf

$$\frac{3\,x^3\,(1 + 3\,x)}{(3\,x^2 + x - 1)^2}$$

Sequence: A074356
Score: 10.2017
Type of gen. func.: lgdogf

$$-\frac{81\,x^4 + 72\,x^3 + 3\,x^2 - 64\,x - 14}{(3\,x - 2)\,(3\,x^2 + x - 1)\,(3\,x^2 + 4\,x + 2)}$$

Sequence: A074356
Score: 6.13989
Type of gen. func.: ogf

$$\frac{3\,x^4\,(3\,x - 2)\,(3\,x^2 + 4\,x + 2)}{(3\,x^2 + x - 1)^3}$$

Sequence: A074357
Score: 4.16891
Type of gen. func.: ogf

$$\frac{3\,x^5\,(1 + 3\,x)\,(36\,x^4 + 24\,x^3 - 29\,x^2 - 14\,x + 10)}{(3\,x^2 + x - 1)^4}$$

Sequence: A074357
Score: 6.26536
Type of gen. func.: lgdogf

$$-\frac{972 x^{6} + 1188 x^{5} - 405 x^{4} - 909 x^{3} + 5 x^{2} + 146 x + 56}{(1 + 3 x) (3 x^{2} + x - 1) (36 x^{4} + 24 x^{3} - 29 x^{2} - 14 x + 10)}$$

Sequence: A074358
Score: 10.6980
Type of gen. func.: ogf

$$\frac{4 x^{3} (x + 1)}{(2 x^{2} + 2 x - 1)^{2}}$$

Sequence: A074358
Score: 18.5509
Type of gen. func.: lgdogf

$$-\frac{6 x^{2} + 10 x + 5}{(x + 1) (2 x^{2} + 2 x - 1)}$$

Sequence: A074358
Score: 6.09884
Type of gen. func.: ogf

$$-f(x) (4 f(x) x^{4} + 8 f(x) x^{3} - 4 x^{4} - 4 x^{3} - 4 f(x) x + f(x))$$

Sequence: A074359
Score: 5.84631
Type of gen. func.: ogf

$$\frac{4 x^{4} (4 x^{3} + 8 x^{2} + 2 x - 3)}{(2 x^{2} + 2 x - 1)^{3}}$$

Sequence: A074359
Score: 9.62393
Type of gen. func.: lgdogf

$$-\frac{4\,(6\,x^{4}+16\,x^{3}+12\,x^{2}-3\,x-4)}{(2\,x^{2}+2\,x-1)\,(4\,x^{3}+8\,x^{2}+2\,x-3)}$$

Sequence: A074360
Score: 4.14865
Type of gen. func.: ogf

$$\frac{8\,x^{5}\,(x+1)\,(12\,x^{4}+24\,x^{3}-2\,x^{2}-16\,x+5)}{(2\,x^{2}+2\,x-1)^{4}}$$

Sequence: A074360
Score: 6.44902
Type of gen. func.: lgdogf

$$-\frac{72\,x^{6}+264\,x^{5}+280\,x^{4}-28\,x^{3}-160\,x^{2}-22\,x+29}{(x+1)\,(2\,x^{2}+2\,x-1)\,(12\,x^{4}+24\,x^{3}-2\,x^{2}-16\,x+5)}$$

Sequence: A074361
Score: 17.7985
Type of gen. func.: lgdogf

$$-\frac{3\,x^{2}+15\,x+19}{(x+3)\,(x^{2}+3\,x-1)}$$

Sequence: A074361
Score: 4.86694
Type of gen. func.: ogf

4 3 4 2 3

$$-f(x) (f(x) x + 6 f(x) x - x + 7 f(x) x - 3 x - 6 f(x) x + f(x))$$

Sequence: A074361
Score: 8.81693
Type of gen. func.: ogf

$$\frac{x^{3} (x + 3)}{(x^{2} + 3 x - 1)^{2}}$$

Sequence: A074362
Score: 5.80006
Type of gen. func.: ogf

$$\frac{x^{4} (3 x^{3} + 18 x^{2} + 24 x - 10)}{(x^{2} + 3 x - 1)^{3}}$$

Sequence: A074362
Score: 9.04127
Type of gen. func.: lgdogf

$$-\frac{3 (3 x^{4} + 24 x^{3} + 61 x^{2} + 40 x - 22)}{(x^{2} + 3 x - 1) (3 x^{3} + 18 x^{2} + 24 x - 10)}$$

Sequence: A074363
Score: 4.85435
Type of gen. func.: ogf

$$\frac{x^{4} (x + 3) (10 x^{4} + 60 x^{3} + 69 x^{2} - 66 x + 12)}{(x^{2} + 3 x - 1)^{4}}$$

Sequence: A074363
Score: 5.89328
Type of gen. func.: lgdogf

$$-\frac{30 x^6 + 330 x^5 + 1295 x^4 + 1953 x^3 + 291 x^2 - 1104 x + 246}{(x + 3) (x^2 + 3 x - 1) (10 x^4 + 60 x^3 + 69 x^2 - 66 x + 12)}$$

Sequence: A074377
Score: 17.3490
Type of gen. func.: lgdogf

$$-\frac{3 x^3 + 25 x^2 + 13 x + 7}{(x - 1) (x + 1) (x^2 + 6 x + 1)}$$

Sequence: A074377
Score: 9.99738
Type of gen. func.: ogf

$$-\frac{x (x^2 + 6 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A074378
Score: 10.0457
Type of gen. func.: ogf

$$-\frac{x (3 x^2 + 2 x + 3)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A074378
Score: 16.7076
Type of gen. func.: lgdogf

$$-\frac{9 x^3 + 11 x^2 + 23 x + 5}{(x - 1) (x + 1) (3 x^2 + 2 x + 3)}$$

Sequence: A074392

Score: 12.1943

Type of gen. func.: ogf

$$-\frac{x-2}{(x-1)(x+1)(x^2+x-1)}$$

Sequence: A074392

Score: 13.5075

Type of gen. func.: lgdogf

$$-\frac{3x^4-6x^3-8x^2+8x+1}{(x-1)(x-2)(x+1)(x^2+x-1)}$$

Sequence: A074392

Score: 5.76627

Type of gen. func.: ogf

$$-(460 f(x)+551)(f(x)x^4+f(x)x^3-2f(x)x^2-f(x)x+f(x)+x-2)$$

Sequence: A074453

Score: 6.88853

Type of gen. func.: lgdogf

$$-(x^{10}+8x^9+20x^8-24x^7+11x^6-36x^5-11x^4-24x^3-20x^2+8x-1) \Big/ ((x^5+4x^4+6x^3-8x^2+5x-6)(x^6+x^5+2x^4+2x^3-2x^2+x-1))$$

Sequence: A074453

Score: 7.80191

Type of gen. func.: ogf

$$\frac{x^5+4x^4+6x^3-8x^2+5x-6}{x^6+x^5+2x^4+2x^3-2x^2+x-1}$$

Sequence: A074475
Score: 12.1458
Type of gen. func.: ogf

$$-\frac{x + 3}{(x + 1)\,(x^3 + x^2 + x - 1)}$$

Sequence: A074475
Score: 12.3331
Type of gen. func.: lgdogf

$$-\frac{3\,x^4 + 16\,x^3 + 20\,x^2 + 12\,x + 1}{(x + 3)\,(x + 1)\,(x^3 + x^2 + x - 1)}$$

Sequence: A074475
Score: 6.35145
Type of gen. func.: ogf

$$(3146\,f(x) - 2905)\,(f(x)\,x^4 + 2\,f(x)\,x^3 + 2\,f(x)\,x^2 - f(x) + x + 3)$$

Sequence: A074494
Score: 10.0043
Type of gen. func.: ogf

$$\frac{6\,x^3 - 8\,x^2 + 5\,x - 2}{(x - 1)\,(2\,x - 1)^2}$$

Sequence: A074494
Score: 12.5338
Type of gen. func.: lgdogf

$$-\frac{8\,x^3 - 6\,x^2 - 6\,x + 5}{(x - 1)\,(2\,x - 1)\,(6\,x^3 - 8\,x^2 + 5\,x - 2)}$$

```
------------------------------------------------------------------------------

Sequence:  A074494
Score: 5.15146
Type of gen. func.: ogf


{-a(n + 4) + 5 a(n + 3) - 8 a(n + 2) + 4 a(n + 1), a(0) = 2, a(1) = 5,

    a(2) = 17, a(3) = 47}



------------------------------------------------------------------------------

Sequence:  A074494
Score: 5.47854
Type of gen. func.: ogf


-(31 f(x) - 404)

             3           2      3                 2
    (4 f(x) x  - 8 f(x) x  - 6 x  + 5 f(x) x + 8 x  - f(x) - 5 x + 2)



------------------------------------------------------------------------------

Sequence:  A074499
Score: 6.89127
Type of gen. func.: lgdogf


     23       22       21       16       15       14      9       8      7
(21 x   - 43 x   + 22 x   + 14 x   - 29 x   + 15 x   + 7 x  - 15 x  + 8 x

          3      2        /
     + 2 x  - 6 x  + 6)  /  ((x - 1)
                        /

      23    22    16    15    9    8      3
    (x   - x   + x   - x   + x  - x  + 2 x  - 3))



------------------------------------------------------------------------------

Sequence:  A074499
Score: 8.83351
Type of gen. func.: ogf


                     23    22    16    15    9    8      3
                    x   - x   + x   - x   + x  - x  + 2 x  - 3
                  - ------------------------------------------
                                                2
                                         (x - 1)



------------------------------------------------------------------------------

Sequence:  A074501
Score: 5.07446
Type of gen. func.: ogf


(414 f(x) + 7831)
```

$$(10 f(x) x^3 - 17 f(x) x^2 + 8 f(x) x + 17 x^2 - f(x) - 16 x + 3)$$

Sequence: A074501
Score: 5.29509
Type of gen. func.: ogf

{-a(n + 3) + 8 a(n + 2) - 17 a(n + 1) + 10 a(n), a(0) = 3, a(1) = 8, a(2) = 30}

Sequence: A074501
Score: 8.28570
Type of gen. func.: lgdogf

$$- \frac{2 (85 x^4 - 160 x^3 + 113 x^2 - 34 x + 4)}{(x - 1) (2 x - 1) (5 x - 1) (17 x^2 - 16 x + 3)}$$

Sequence: A074501
Score: 9.36823
Type of gen. func.: ogf

$$- \frac{17 x^2 - 16 x + 3}{(x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A074502
Score: 4.96607
Type of gen. func.: ogf

(1475 f(x) + 20773)

$$(12 f(x) x^3 - 20 f(x) x^2 + 9 f(x) x + 20 x^2 - f(x) - 18 x + 3)$$

Sequence: A074502
Score: 5.26834
Type of gen. func.: ogf

{-a(n + 3) + 9 a(n + 2) - 20 a(n + 1) + 12 a(n), a(0) = 3, a(1) = 9, a(2) = 41}

Sequence: A074502
Score: 8.36171
Type of gen. func.: lgdogf

$$-\frac{240 x^4 - 432 x^3 + 288 x^2 - 80 x + 9}{(x - 1) (6 x - 1) (2 x - 1) (20 x^2 - 18 x + 3)}$$

Sequence: A074502
Score: 9.32091
Type of gen. func.: ogf

$$-\frac{20 x^2 - 18 x + 3}{(x - 1) (6 x - 1) (2 x - 1)}$$

Sequence: A074503
Score: 4.67334
Type of gen. func.: ogf

$(13050 f(x) + 157603)$

$(14 f(x) x^3 - 23 f(x) x^2 + 10 f(x) x + 23 x^2 - f(x) - 20 x + 3)$

Sequence: A074503
Score: 4.99288
Type of gen. func.: ogf

$\{-a(n + 3) + 10 a(n + 2) - 23 a(n + 1) + 14 a(n), a(0) = 3, a(1) = 10,$

$a(2) = 54\}$

Sequence: A074503
Score: 7.83814
Type of gen. func.: lgdogf

$$-\frac{2 (161 x^4 - 280 x^3 + 178 x^2 - 46 x + 5)}{(x - 1) (2 x - 1) (7 x - 1) (23 x^2 - 20 x + 3)}$$

Sequence: A074503
Score: 8.85102
Type of gen. func.: ogf

$$-\frac{23 x^2 - 20 x + 3}{(x - 1) (2 x - 1) (7 x - 1)}$$

Sequence: A074504
Score: 4.85922
Type of gen. func.: ogf

$$(175077 f(x) + 1920139)$$

$$(16 f(x) x^3 - 26 f(x) x^2 + 11 f(x) x + 26 x^2 - f(x) - 22 x + 3)$$

Sequence: A074504
Score: 5.27453
Type of gen. func.: ogf

$$\{-a(n + 3) + 11 a(n + 2) - 26 a(n + 1) + 16 a(n), a(0) = 3, a(1) = 11, a(2) = 69\}$$

Sequence: A074504
Score: 8.17753
Type of gen. func.: lgdogf

$$-\frac{416 x^4 - 704 x^3 + 430 x^2 - 104 x + 11}{(x - 1) (-1 + 8 x) (2 x - 1) (26 x^2 - 22 x + 3)}$$

Sequence: A074504
Score: 9.35030
Type of gen. func.: ogf

$$-\frac{26 x^2 - 22 x + 3}{(x - 1) (-1 + 8 x) (2 x - 1)}$$

Sequence: A074505
Score: 4.52099
Type of gen. func.: ogf

$$(121912 f(x) + 1250849)$$

$$(18 f(x) x^3 - 29 f(x) x^2 + 12 f(x) x + 29 x^2 - f(x) - 24 x + 3)$$

Sequence: A074505
Score: 4.90740
Type of gen. func.: ogf

$$\{-a(n + 3) + 12 a(n + 2) - 29 a(n + 1) + 18 a(n), a(0) = 3, a(1) = 12,$$

$$a(2) = 86\}$$

Sequence: A074505
Score: 7.70395
Type of gen. func.: lgdogf

$$- \frac{2 (261 x^4 - 432 x^3 + 255 x^2 - 58 x + 6)}{(x - 1) (2 x - 1) (9 x - 1) (29 x^2 - 24 x + 3)}$$

Sequence: A074505
Score: 8.69948
Type of gen. func.: ogf

$$- \frac{29 x^2 - 24 x + 3}{(x - 1) (2 x - 1) (9 x - 1)}$$

Sequence: A074506
Score: 5.14543
Type of gen. func.: ogf

$$(9 f(x) + 143) (12 f(x) x^3 - 19 f(x) x^2 + 8 f(x) x + 19 x^2 - f(x) - 16 x + 3)$$

Sequence: A074506
Score: 5.23490
Type of gen. func.: ogf

$\{-a(n+3) + 8 a(n+2) - 19 a(n+1) + 12 a(n), a(0) = 3, a(1) = 8, a(2) = 26\}$

Sequence: A074506
Score: 8.30242
Type of gen. func.: lgdogf

$$-\frac{4 (57 x^4 - 96 x^3 + 65 x^2 - 19 x + 2)}{(x - 1) (3 x - 1) (4 x - 1) (19 x^2 - 16 x + 3)}$$

Sequence: A074506
Score: 9.26175
Type of gen. func.: ogf

$$-\frac{19 x^2 - 16 x + 3}{(x - 1) (3 x - 1) (4 x - 1)}$$

Sequence: A074507
Score: 5.16047
Type of gen. func.: ogf

$$(17 f(x) + 253) (15 f(x) x^3 - 23 f(x) x^2 + 9 f(x) x + 23 x^2 - f(x) - 18 x + 3)$$

Sequence: A074507
Score: 5.29509
Type of gen. func.: ogf

$\{-a(n+3) + 9 a(n+2) - 23 a(n+1) + 15 a(n), a(0) = 3, a(1) = 9, a(2) = 35\}$

Sequence: A074507
Score: 8.40240
Type of gen. func.: lgdogf

$$-\frac{345 x^4 - 540 x^3 + 342 x^2 - 92 x + 9}{(x - 1) (3 x - 1) (5 x - 1) (23 x^2 - 18 x + 3)}$$

Sequence: A074507
Score: 9.36823
Type of gen. func.: ogf

$$-\frac{23 x^{2} - 18 x + 3}{(x - 1) (3 x - 1) (5 x - 1)}$$

Sequence: A074508
Score: 4.60688
Type of gen. func.: ogf

$$(50 f(x) + 327) (18 f(x) x^{3} - 27 f(x) x^{2} + 10 f(x) x + 27 x^{2} - f(x) - 20 x + 3)$$

Sequence: A074508
Score: 4.68563
Type of gen. func.: ogf

$$\{-a(n + 3) + 10 a(n + 2) - 27 a(n + 1) + 18 a(n), a(0) = 3, a(1) = 10, a(2) = 46\}$$

Sequence: A074508
Score: 7.34569
Type of gen. func.: lgdogf

$$-\frac{2 (243 x^{4} - 360 x^{3} + 216 x^{2} - 54 x + 5)}{(x - 1) (6 x - 1) (3 x - 1) (27 x^{2} - 20 x + 3)}$$

Sequence: A074508
Score: 8.30635
Type of gen. func.: ogf

$$-\frac{27 x^{2} - 20 x + 3}{(x - 1) (6 x - 1) (3 x - 1)}$$

Sequence: A074509
Score: 4.82783
Type of gen. func.: ogf

$(369 f(x) + 1843)$

$$(21 f(x) x^3 - 31 f(x) x^2 + 11 f(x) x + 31 x^2 - f(x) - 22 x + 3)$$

Sequence: A074509
Score: 4.99288
Type of gen. func.: ogf

$\{-a(n + 3) + 11 a(n + 2) - 31 a(n + 1) + 21 a(n), a(0) = 3, a(1) = 11,$

$a(2) = 59\}$

Sequence: A074509
Score: 7.83814
Type of gen. func.: lgdogf

$$- \frac{651 x^4 - 924 x^3 + 530 x^2 - 124 x + 11}{(x - 1) (3 x - 1) (7 x - 1) (31 x^2 - 22 x + 3)}$$

Sequence: A074509
Score: 8.85102
Type of gen. func.: ogf

$$- \frac{31 x^2 - 22 x + 3}{(x - 1) (3 x - 1) (7 x - 1)}$$

Sequence: A074510
Score: 4.89778
Type of gen. func.: ogf

$(219275 f(x) + 933013)$

$$(24 f(x) x^3 - 35 f(x) x^2 + 12 f(x) x + 35 x^2 - f(x) - 24 x + 3)$$

Sequence: A074510
Score: 5.27453
Type of gen. func.: ogf

$$\{-a(n+3) + 12\, a(n+2) - 35\, a(n+1) + 24\, a(n),\ a(0) = 3,\ a(1) = 12,\ a(2) = 74\}$$

Sequence: A074510
Score: 8.17753
Type of gen. func.: lgdogf

$$-\frac{4\,(210 x^4 - 288 x^3 + 159 x^2 - 35 x + 3)}{(x - 1)(3 x - 1)(-1 + 8 x)(35 x^2 - 24 x + 3)}$$

Sequence: A074510
Score: 9.35030
Type of gen. func.: ogf

$$-\frac{35 x^2 - 24 x + 3}{(x - 1)(3 x - 1)(-1 + 8 x)}$$

Sequence: A074511
Score: 5.25741
Type of gen. func.: ogf

$$\{-a(n+3) + 10\, a(n+2) - 29\, a(n+1) + 20\, a(n),\ a(0) = 3,\ a(1) = 10,\ a(2) = 42\}$$

Sequence: A074511
Score: 6.1972
Type of gen. func.: ogf

$$(72 f(x) + 2453)$$

$$(20 f(x) x^3 - 29 f(x) x^2 + 10 f(x) x + 29 x^2 - f(x) - 20 x + 3)$$

Sequence: A074511
Score: 8.14531

Type of gen. func.: lgdogf

$$-\frac{2\,(290\,x^4 - 400\,x^3 + 235\,x^2 - 58\,x + 5)}{(x - 1)\,(4\,x - 1)\,(5\,x - 1)\,(29\,x^2 - 20\,x + 3)}$$

Sequence: A074511
Score: 9.31995
Type of gen. func.: ogf

$$-\frac{29\,x^2 - 20\,x + 3}{(x - 1)\,(4\,x - 1)\,(5\,x - 1)}$$

Sequence: A074512
Score: 4.38575
Type of gen. func.: ogf

$-(225\,f(x) - 4153)$

$(24\,f(x)\,x^3 - 34\,f(x)\,x^2 + 11\,f(x)\,x + 34\,x^2 - f(x) - 22\,x + 3)$

Sequence: A074512
Score: 4.68563
Type of gen. func.: ogf

$\{-a(n + 3) + 11\,a(n + 2) - 34\,a(n + 1) + 24\,a(n),\ a(0) = 3,\ a(1) = 11,$

$a(2) = 53\}$

Sequence: A074512
Score: 7.14981
Type of gen. func.: lgdogf

$$-\frac{816\,x^4 - 1056\,x^3 + 590\,x^2 - 136\,x + 11}{(x - 1)\,(6\,x - 1)\,(4\,x - 1)\,(34\,x^2 - 22\,x + 3)}$$

Sequence: A074512
Score: 8.30635

Type of gen. func.: ogf

$$-\frac{34 x^2 - 22 x + 3}{(x - 1) (6 x - 1) (4 x - 1)}$$

Sequence: A074513
Score: 4.78826
Type of gen. func.: ogf

$$-(17 f(x) + 39) (28 f(x) x^3 - 39 f(x) x^2 + 12 f(x) x + 39 x^2 - f(x) - 24 x + 3)$$

Sequence: A074513
Score: 4.99288
Type of gen. func.: ogf

$$\{-a(n + 3) + 12 a(n + 2) - 39 a(n + 1) + 28 a(n), a(0) = 3, a(1) = 12, a(2) = 66\}$$

Sequence: A074513
Score: 8.05894
Type of gen. func.: lgdogf

$$-\frac{4 (91 x^4 - 112 x^3 + 60 x^2 - 13 x + 1)}{(x - 1) (7 x - 1) (4 x - 1) (13 x^2 - 8 x + 1)}$$

Sequence: A074513
Score: 8.85102
Type of gen. func.: ogf

$$-\frac{3 (13 x^2 - 8 x + 1)}{(x - 1) (7 x - 1) (4 x - 1)}$$

Sequence: A074514
Score: 4.78388
Type of gen. func.: ogf

$-(57771 f(x) + 137357)$

$$(32 f(x) x^3 - 44 f(x) x^2 + 13 f(x) x + 44 x^2 - f(x) - 26 x + 3)$$

Sequence: A074514
Score: 5.27453
Type of gen. func.: ogf

$\{-a(n + 3) + 13 a(n + 2) - 44 a(n + 1) + 32 a(n), a(0) = 3, a(1) = 13,$

$a(2) = 81\}$

Sequence: A074514
Score: 7.85893
Type of gen. func.: lgdogf

$$-\frac{1408 x^4 - 1664 x^3 + 860 x^2 - 176 x + 13}{(x - 1) (-1 + 8 x) (4 x - 1) (44 x^2 - 26 x + 3)}$$

Sequence: A074514
Score: 9.35030
Type of gen. func.: ogf

$$-\frac{44 x^2 - 26 x + 3}{(x - 1) (-1 + 8 x) (4 x - 1)}$$

Sequence: A074515
Score: 4.78471
Type of gen. func.: ogf

$(200 f(x) + 429)$

$$(36 f(x) x^3 - 49 f(x) x^2 + 14 f(x) x + 49 x^2 - f(x) - 28 x + 3)$$

Sequence: A074515
Score: 4.90740
Type of gen. func.: ogf

$\{-a(n + 3) + 14 a(n + 2) - 49 a(n + 1) + 36 a(n), a(0) = 3, a(1) = 14,$

$a(2) = 98\}$

Sequence: A074515
Score: 7.49851
Type of gen. func.: lgdogf

$$-\frac{2\,(882\,x^4 - 1008\,x^3 + 505\,x^2 - 98\,x + 7)}{(x - 1)\,(7\,x - 3)\,(4\,x - 1)\,(9\,x - 1)\,(7\,x - 1)}$$

Sequence: A074515
Score: 8.69948
Type of gen. func.: ogf

$$-\frac{(7\,x - 1)\,(7\,x - 3)}{(x - 1)\,(4\,x - 1)\,(9\,x - 1)}$$

Sequence: A074516
Score: 4.59346
Type of gen. func.: ogf

$(50\,f(x) + 2749)$

$(30\,f(x)\,x^3 - 41\,f(x)\,x^2 + 12\,f(x)\,x + 41\,x^2 - f(x) - 24\,x + 3)$

Sequence: A074516
Score: 4.71123
Type of gen. func.: ogf

$\{-a(n + 3) + 12\,a(n + 2) - 41\,a(n + 1) + 30\,a(n),\ a(0) = 3,\ a(1) = 12,$

$a(2) = 62\}$

Sequence: A074516
Score: 7.38673
Type of gen. func.: lgdogf

$$-\frac{2\,(615\,x^4 - 720\,x^3 + 381\,x^2 - 82\,x + 6)}{(x - 1)\,(6\,x - 1)\,(5\,x - 1)\,(41\,x^2 - 24\,x + 3)}$$

Sequence: A074516
Score: 8.35173
Type of gen. func.: ogf

$$-\frac{41 x^2 - 24 x + 3}{(x - 1) (6 x - 1) (5 x - 1)}$$

Sequence: A074517
Score: 4.63625
Type of gen. func.: ogf

$$-(153 f(x) - 12613)$$

$$(35 f(x) x^3 - 47 f(x) x^2 + 13 f(x) x + 47 x^2 - f(x) - 26 x + 3)$$

Sequence: A074517
Score: 4.99288
Type of gen. func.: ogf

$\{-a(n + 3) + 13 a(n + 2) - 47 a(n + 1) + 35 a(n), a(0) = 3, a(1) = 13,$

$a(2) = 75\}$

Sequence: A074517
Score: 7.62913
Type of gen. func.: lgdogf

$$-\frac{1645 x^4 - 1820 x^3 + 926 x^2 - 188 x + 13}{(x - 1) (7 x - 1) (5 x - 1) (47 x^2 - 26 x + 3)}$$

Sequence: A074517
Score: 8.85102
Type of gen. func.: ogf

$$-\frac{47 x^2 - 26 x + 3}{(x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A074518
Score: 4.89778
Type of gen. func.: ogf

$$-(7497 f(x) - 5227)$$

$$(40 f(x) x^3 - 53 f(x) x^2 + 14 f(x) x + 53 x^2 - f(x) - 28 x + 3)$$

Sequence: A074518
Score: 5.27453
Type of gen. func.: ogf

$$\{-a(n + 3) + 14 a(n + 2) - 53 a(n + 1) + 40 a(n), a(0) = 3, a(1) = 14,$$

$$a(2) = 90\}$$

Sequence: A074518
Score: 7.85893
Type of gen. func.: lgdogf

$$-\frac{2 (1060 x^4 - 1120 x^3 + 551 x^2 - 106 x + 7)}{(x - 1) (-1 + 8 x) (5 x - 1) (53 x^2 - 28 x + 3)}$$

Sequence: A074518
Score: 9.35030
Type of gen. func.: ogf

$$-\frac{53 x^2 - 28 x + 3}{(x - 1) (-1 + 8 x) (5 x - 1)}$$

Sequence: A074519
Score: 4.65411
Type of gen. func.: ogf

$$-(701 f(x) + 649)$$

$$(45 f(x) x^3 - 59 f(x) x^2 + 15 f(x) x + 59 x^2 - f(x) - 30 x + 3)$$

Sequence: A074519
Score: 4.89076
Type of gen. func.: ogf

$\{-a(n + 3) + 15 a(n + 2) - 59 a(n + 1) + 45 a(n), a(0) = 3, a(1) = 15,$

$a(2) = 107\}$

Sequence: A074519
Score: 7.43859
Type of gen. func.: lgdogf

$$-\frac{2655 x^4 - 2700 x^3 + 1290 x^2 - 236 x + 15}{(x - 1) (9 x - 1) (5 x - 1) (59 x^2 - 30 x + 3)}$$

Sequence: A074519
Score: 8.74409
Type of gen. func.: ogf

$$-\frac{59 x^2 - 30 x + 3}{(x - 1) (9 x - 1) (5 x - 1)}$$

Sequence: A074520
Score: 4.83737
Type of gen. func.: ogf

$(450 f(x) + 35761)$

$(42 f(x) x^3 - 55 f(x) x^2 + 14 f(x) x + 55 x^2 - f(x) - 28 x + 3)$

Sequence: A074520
Score: 5.04409
Type of gen. func.: ogf

$\{-a(n + 3) + 14 a(n + 2) - 55 a(n + 1) + 42 a(n), a(0) = 3, a(1) = 14,$

$a(2) = 86\}$

Sequence: A074520
Score: 7.60758
Type of gen. func.: lgdogf

$$-\frac{2\,(1155\,x^4 - 1176\,x^3 + 574\,x^2 - 110\,x + 7)}{(x - 1)\,(6\,x - 1)\,(7\,x - 1)\,(55\,x^2 - 28\,x + 3)}$$

Sequence: A074520
Score: 8.94180
Type of gen. func.: ogf

$$-\frac{55\,x^2 - 28\,x + 3}{(x - 1)\,(6\,x - 1)\,(7\,x - 1)}$$

Sequence: A074521
Score: 4.80711
Type of gen. func.: ogf

$$-(8575\,f(x) - 1980367)$$

$$(48\,f(x)\,x^3 - 62\,f(x)\,x^2 + 15\,f(x)\,x + 62\,x^2 - f(x) - 30\,x + 3)$$

Sequence: A074521
Score: 5.25522
Type of gen. func.: ogf

{-a(n + 3) + 15 a(n + 2) - 62 a(n + 1) + 48 a(n), a(0) = 3, a(1) = 15,

a(2) = 101}

Sequence: A074521
Score: 7.89783
Type of gen. func.: lgdogf

$$-\frac{2976\,x^4 - 2880\,x^3 + 1362\,x^2 - 248\,x + 15}{(x - 1)\,(6\,x - 1)\,(-1 + 8\,x)\,(62\,x^2 - 30\,x + 3)}$$

Sequence: A074521
Score: 9.39570
Type of gen. func.: ogf

$$-\frac{62 x^{2} - 30 x + 3}{(x - 1) (6 x - 1) (-1 + 8 x)}$$

Sequence: A074522
Score: 4.65411
Type of gen. func.: ogf

$-(200 f(x) - 701)$

$(54 f(x) x^{3} - 69 f(x) x^{2} + 16 f(x) x + 69 x^{2} - f(x) - 32 x + 3)$

Sequence: A074522
Score: 4.89076
Type of gen. func.: ogf

$\{-a(n + 3) + 16 a(n + 2) - 69 a(n + 1) + 54 a(n), a(0) = 3, a(1) = 16,$

$a(2) = 118\}$

Sequence: A074522
Score: 7.34198
Type of gen. func.: lgdogf

$$-\frac{2 (1863 x^{4} - 1728 x^{3} + 795 x^{2} - 138 x + 8)}{(x - 1) (6 x - 1) (23 x - 3) (3 x - 1) (9 x - 1)}$$

Sequence: A074522
Score: 8.74409
Type of gen. func.: ogf

$$-\frac{(23 x - 3) (3 x - 1)}{(x - 1) (6 x - 1) (9 x - 1)}$$

Sequence: A074523
Score: 5.10748

Type of gen. func.: ogf

```
(441 f(x) + 47527)

            3             2                        2
    (56 f(x) x  - 71 f(x) x  + 16 f(x) x + 71 x  - f(x) - 32 x + 3)
```

Sequence: A074523
Score: 5.28061
Type of gen. func.: ogf

```
{-a(n + 3) + 16 a(n + 2) - 71 a(n + 1) + 56 a(n), a(0) = 3, a(1) = 16,

    a(2) = 114}
```

Sequence: A074523
Score: 8.25850
Type of gen. func.: lgdogf

```
                              4        3        2
                        4 (994 x  - 896 x  + 410 x  - 71 x + 4)
                  - -----------------------------------------------
                                                        2
                    (x - 1) (-1 + 8 x) (7 x - 1) (71 x  - 32 x + 3)
```

Sequence: A074523
Score: 9.44109
Type of gen. func.: ogf

```
                                        2
                                    71 x  - 32 x + 3
                            - ----------------------------
                              (x - 1) (-1 + 8 x) (7 x - 1)
```

Sequence: A074524
Score: 4.71589
Type of gen. func.: ogf

```
-(4 f(x) - 2727)

            3             2                        2
    (63 f(x) x  - 79 f(x) x  + 17 f(x) x + 79 x  - f(x) - 34 x + 3)
```

Sequence: A074524
Score: 4.91572
Type of gen. func.: ogf

$\{-a(n + 3) + 17 a(n + 2) - 79 a(n + 1) + 63 a(n), a(0) = 3, a(1) = 17,$

$a(2) = 131\}$

Sequence: A074524
Score: 7.47733
Type of gen. func.: lgdogf

$$-\frac{4977 x^4 - 4284 x^3 + 1910 x^2 - 316 x + 17}{(x - 1) (7 x - 1) (9 x - 1) (79 x^2 - 34 x + 3)}$$

Sequence: A074524
Score: 8.78871
Type of gen. func.: ogf

$$-\frac{79 x^2 - 34 x + 3}{(x - 1) (7 x - 1) (9 x - 1)}$$

Sequence: A074525
Score: 4.7016
Type of gen. func.: ogf

$(1568 f(x) + 219481)$

$(72 f(x) x^3 - 89 f(x) x^2 + 18 f(x) x + 89 x^2 - f(x) - 36 x + 3)$

Sequence: A074525
Score: 4.94067
Type of gen. func.: ogf

$\{-a(n + 3) + 18 a(n + 2) - 89 a(n + 1) + 72 a(n), a(0) = 3, a(1) = 18,$

$a(2) = 146\}$

Sequence: A074525
Score: 7.32335
Type of gen. func.: lgdogf

$$-\frac{2\,(3204x^4-2592x^3+1125x^2-178x+9)}{(x-1)(-1+8x)(9x-1)(89x^2-36x+3)}$$

Sequence: A074525
Score: 8.83332
Type of gen. func.: ogf

$$-\frac{89x^2-36x+3}{(x-1)(-1+8x)(9x-1)}$$

Sequence: A074526
Score: 4.93455
Type of gen. func.: ogf

$$-(83 f(x) - 299)(24 f(x) x^3 - 26 f(x) x^2 + 9 f(x) x + 26 x^2 - f(x) - 18 x + 3)$$

Sequence: A074526
Score: 5.23490
Type of gen. func.: ogf

{-a(n + 3) + 9 a(n + 2) - 26 a(n + 1) + 24 a(n), a(0) = 3, a(1) = 9, a(2) = 29}

Sequence: A074526
Score: 7.85963
Type of gen. func.: lgdogf

$$-\frac{624x^4-864x^3+450x^2-104x+9}{(3x-1)(2x-1)(4x-1)(26x^2-18x+3)}$$

Sequence: A074526
Score: 9.26175
Type of gen. func.: ogf

$$-\frac{26x^2-18x+3}{(3x-1)(2x-1)(4x-1)}$$

Sequence: A074527
Score: 4.97582
Type of gen. func.: ogf

$$-(18 f(x) - 743)$$
$$(30 f(x) x^{3} - 31 f(x) x^{2} + 10 f(x) x + 31 x^{2} - f(x) - 20 x + 3)$$

Sequence: A074527
Score: 5.23099
Type of gen. func.: ogf

$$\{-a(n + 3) + 10 a(n + 2) - 31 a(n + 1) + 30 a(n), a(0) = 3, a(1) = 10,$$
$$a(2) = 38\}$$

Sequence: A074527
Score: 7.99549
Type of gen. func.: lgdogf

$$- \frac{2 (465 x^{4} - 600 x^{3} + 290 x^{2} - 62 x + 5)}{(3 x - 1) (2 x - 1) (5 x - 1) (31 x^{2} - 20 x + 3)}$$

Sequence: A074527
Score: 9.27312
Type of gen. func.: ogf

$$- \frac{31 x^{2} - 20 x + 3}{(3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A074528
Score: 4.4936
Type of gen. func.: ogf

$$-(f(x) - 373) (36 f(x) x^{3} - 36 f(x) x^{2} + 11 f(x) x + 36 x^{2} - f(x) - 22 x + 3)$$

Sequence: A074528
Score: 4.68563
Type of gen. func.: ogf

$\{-a(n+3) + 11\,a(n+2) - 36\,a(n+1) + 36\,a(n),\ a(0) = 3,\ a(1) = 11,$

$a(2) = 49\}$

Sequence: A074528
Score: 6.96410
Type of gen. func.: lgdogf

$$-\frac{1296\,x^4 - 1584\,x^3 + 720\,x^2 - 144\,x + 11}{(6\,x-1)\,(3\,x-1)\,(2\,x-1)\,(36\,x^2 - 22\,x + 3)}$$

Sequence: A074528
Score: 8.30635
Type of gen. func.: ogf

$$-\frac{36\,x^2 - 22\,x + 3}{(6\,x-1)\,(3\,x-1)\,(2\,x-1)}$$

Sequence: A074529
Score: 4.71103
Type of gen. func.: ogf

$(2350\,f(x) + 304523)$

$(42\,f(x)\,x^3 - 41\,f(x)\,x^2 + 12\,f(x)\,x + 41\,x^2 - f(x) - 24\,x + 3)$

Sequence: A074529
Score: 4.99288
Type of gen. func.: ogf

$\{-a(n+3) + 12\,a(n+2) - 41\,a(n+1) + 42\,a(n),\ a(0) = 3,\ a(1) = 12,$

$a(2) = 62\}$

Sequence: A074529
Score: 7.52874
Type of gen. func.: lgdogf

$$-\frac{2\,(861\,x^4 - 1008\,x^3 + 435\,x^2 - 82\,x + 6)}{(3\,x - 1)\,(2\,x - 1)\,(7\,x - 1)\,(41\,x^2 - 24\,x + 3)}$$

Sequence: A074529
Score: 8.85102
Type of gen. func.: ogf

$$-\frac{41\,x^2 - 24\,x + 3}{(3\,x - 1)\,(2\,x - 1)\,(7\,x - 1)}$$

Sequence: A074530
Score: 4.97678
Type of gen. func.: ogf

$(6975\,f(x) + 494033)$

$(48\,f(x)\,x^3 - 46\,f(x)\,x^2 + 13\,f(x)\,x + 46\,x^2 - f(x) - 26\,x + 3)$

Sequence: A074530
Score: 5.27453
Type of gen. func.: ogf

$\{-a(n + 3) + 13\,a(n + 2) - 46\,a(n + 1) + 48\,a(n),\ a(0) = 3,\ a(1) = 13,$

$a(2) = 77\}$

Sequence: A074530
Score: 7.65997
Type of gen. func.: lgdogf

$$-\frac{2208\,x^4 - 2496\,x^3 + 1030\,x^2 - 184\,x + 13}{(3\,x - 1)\,(2\,x - 1)\,(-1 + 8\,x)\,(46\,x^2 - 26\,x + 3)}$$

Sequence: A074530
Score: 9.35030
Type of gen. func.: ogf

$$-\frac{46 x^2 - 26 x + 3}{(3 x - 1) (2 x - 1) (-1 + 8 x)}$$

Sequence: A074531
Score: 4.63037
Type of gen. func.: ogf

(2254 f(x) + 121733)

$$(54 f(x) x^3 - 51 f(x) x^2 + 14 f(x) x + 51 x^2 - f(x) - 28 x + 3)$$

Sequence: A074531
Score: 4.90740
Type of gen. func.: ogf

{-a(n + 3) + 14 a(n + 2) - 51 a(n + 1) + 54 a(n), a(0) = 3, a(1) = 14,

a(2) = 94}

Sequence: A074531
Score: 7.21010
Type of gen. func.: lgdogf

$$-\frac{2 (1377 x^4 - 1512 x^3 + 600 x^2 - 102 x + 7)}{(3 x - 1) (2 x - 1) (9 x - 1) (51 x^2 - 28 x + 3)}$$

Sequence: A074531
Score: 8.69948
Type of gen. func.: ogf

$$-\frac{51 x^2 - 28 x + 3}{(3 x - 1) (2 x - 1) (9 x - 1)}$$

Sequence: A074532

Score: 5.00095
Type of gen. func.: ogf

$$(1341 f(x) + 23099)$$

$$(40 f(x) x^3 - 38 f(x) x^2 + 11 f(x) x + 38 x^2 - f(x) - 22 x + 3)$$

Sequence: A074532
Score: 5.25741
Type of gen. func.: ogf

$$\{-a(n + 3) + 11 a(n + 2) - 38 a(n + 1) + 40 a(n), a(0) = 3, a(1) = 11, a(2) = 45\}$$

Sequence: A074532
Score: 7.72760
Type of gen. func.: lgdogf

$$-\frac{1520 x^4 - 1760 x^3 + 778 x^2 - 152 x + 11}{(4 x - 1) (2 x - 1) (5 x - 1) (38 x^2 - 22 x + 3)}$$

Sequence: A074532
Score: 9.31995
Type of gen. func.: ogf

$$-\frac{38 x^2 - 22 x + 3}{(4 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A074533
Score: 4.53074
Type of gen. func.: ogf

$$-(2 f(x) - 11) (48 f(x) x^3 - 44 f(x) x^2 + 12 f(x) x + 44 x^2 - f(x) - 24 x + 3)$$

Sequence: A074533
Score: 4.68563
Type of gen. func.: ogf

$$\{-a(n+3) + 12\,a(n+2) - 44\,a(n+1) + 48\,a(n),\ a(0) = 3,\ a(1) = 12,\ a(2) = 56\}$$

Sequence: A074533
Score: 7.05573
Type of gen. func.: lgdogf

$$-\frac{4\,(528\,x^4 - 576\,x^3 + 240\,x^2 - 44\,x + 3)}{(6\,x - 1)\,(2\,x - 1)\,(4\,x - 1)\,(44\,x^2 - 24\,x + 3)}$$

Sequence: A074533
Score: 8.30635
Type of gen. func.: ogf

$$-\frac{44\,x^2 - 24\,x + 3}{(6\,x - 1)\,(2\,x - 1)\,(4\,x - 1)}$$

Sequence: A074534
Score: 4.52843
Type of gen. func.: ogf

$$-(10575\,f(x) - 671431)$$

$$(56\,f(x)\,x^3 - 50\,f(x)\,x^2 + 13\,f(x)\,x + 50\,x^2 - f(x) - 26\,x + 3)$$

Sequence: A074534
Score: 4.99288
Type of gen. func.: ogf

$$\{-a(n+3) + 13\,a(n+2) - 50\,a(n+1) + 56\,a(n),\ a(0) = 3,\ a(1) = 13,\ a(2) = 69\}$$

Sequence: A074534
Score: 7.24284
Type of gen. func.: lgdogf

4 3 2

$$-\frac{2800 x - 2912 x + 1154 x - 200 x + 13}{(4 x - 1) (2 x - 1) (7 x - 1) (50 x^{2} - 26 x + 3)}$$

Sequence: A074534
Score: 8.85102
Type of gen. func.: ogf

$$-\frac{50 x^{2} - 26 x + 3}{(4 x - 1) (2 x - 1) (7 x - 1)}$$

Sequence: A074535
Score: 5.22984
Type of gen. func.: ogf

$$(9 f(x) + 463) (64 f(x) x^{3} - 56 f(x) x^{2} + 14 f(x) x + 56 x^{2} - f(x) - 28 x + 3)$$

Sequence: A074535
Score: 5.27453
Type of gen. func.: ogf

{-a(n + 3) + 14 a(n + 2) - 56 a(n + 1) + 64 a(n), a(0) = 3, a(1) = 14,

a(2) = 84}

Sequence: A074535
Score: 7.56422
Type of gen. func.: lgdogf

$$-\frac{2 (1792 x^{4} - 1792 x^{3} + 680 x^{2} - 112 x + 7)}{(-1 + 8 x) (2 x - 1) (4 x - 1) (56 x^{2} - 28 x + 3)}$$

Sequence: A074535
Score: 9.35030
Type of gen. func.: ogf

$$-\frac{56 x^{2} - 28 x + 3}{}$$

```
                          (-1 + 8 x) (2 x - 1) (4 x - 1)



------------------------------------------------------------------------------

Sequence:  A074536
Score: 4.50867
Type of gen. func.: ogf


(449575 f(x) + 11452673)

              3            2                   2
    (72 f(x) x  - 62 f(x) x  + 15 f(x) x + 62 x  - f(x) - 30 x + 3)



------------------------------------------------------------------------------

Sequence:  A074536
Score: 4.89076
Type of gen. func.: ogf


{-a(n + 3) + 15 a(n + 2) - 62 a(n + 1) + 72 a(n), a(0) = 3, a(1) = 15,

    a(2) = 101}



------------------------------------------------------------------------------

Sequence:  A074536
Score: 7.15611
Type of gen. func.: lgdogf


                           4         3         2
                     4464 x  - 4320 x  + 1578 x  - 248 x + 15
               - ------------------------------------------------
                                                    2
                 (4 x - 1) (9 x - 1) (2 x - 1) (62 x  - 30 x + 3)



------------------------------------------------------------------------------

Sequence:  A074536
Score: 8.74409
Type of gen. func.: ogf


                                    2
                                62 x  - 30 x + 3
                        - -----------------------------
                          (4 x - 1) (9 x - 1) (2 x - 1)



------------------------------------------------------------------------------

Sequence:  A074537
Score: 4.67131
Type of gen. func.: ogf


                          3            2                   2
 (9 f(x) + 311) (60 f(x) x  - 52 f(x) x  + 13 f(x) x + 52 x  - f(x) - 26 x + 3)
```

Sequence: A074537
Score: 4.71123
Type of gen. func.: ogf

{-a(n + 3) + 13 a(n + 2) - 52 a(n + 1) + 60 a(n), a(0) = 3, a(1) = 13,

a(2) = 65}

Sequence: A074537
Score: 6.91322
Type of gen. func.: lgdogf

$$-\frac{3120 x^4 - 3120 x^3 + 1216 x^2 - 208 x + 13}{(6 x - 1) (2 x - 1) (5 x - 1) (52 x^2 - 26 x + 3)}$$

Sequence: A074537
Score: 8.35173
Type of gen. func.: ogf

$$-\frac{52 x^2 - 26 x + 3}{(6 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A074538
Score: 10.8655
Type of gen. func.: ogf

$$-\frac{59 x^2 - 28 x + 3}{(2 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A074538
Score: 5.92663
Type of gen. func.: ogf

(450 f(x) + 3029)

$(70 f(x) x^3 - 59 f(x) x^2 + 14 f(x) x + 59 x^2 - f(x) - 28 x + 3)$

Sequence: A074538
Score: 6.12924
Type of gen. func.: ogf

$\{-a(n + 3) + 14 a(n + 2) - 59 a(n + 1) + 70 a(n), a(0) = 3, a(1) = 14, a(2) = 78\}$

Sequence: A074538
Score: 7.33570
Type of gen. func.: lgdogf

$$-\frac{2 (2065 x^4 - 1960 x^3 + 728 x^2 - 118 x + 7)}{(2 x - 1) (7 x - 1) (5 x - 1) (59 x^2 - 28 x + 3)}$$

Sequence: A074539
Score: 5.01724
Type of gen. func.: ogf

$-(29 f(x) - 429)$

$(80 f(x) x^3 - 66 f(x) x^2 + 15 f(x) x + 66 x^2 - f(x) - 30 x + 3)$

Sequence: A074539
Score: 5.27453
Type of gen. func.: ogf

$\{-a(n + 3) + 15 a(n + 2) - 66 a(n + 1) + 80 a(n), a(0) = 3, a(1) = 15, a(2) = 93\}$

Sequence: A074539
Score: 7.96234
Type of gen. func.: lgdogf

$$-\frac{1760 x^4 - 1600 x^3 + 570 x^2 - 88 x + 5}{(5 x - 1) (2 x - 1) (-1 + 8 x) (22 x^2 - 10 x + 1)}$$

Sequence: A074539
Score: 9.35030
Type of gen. func.: ogf

$$-\frac{3\,(22\,x^2-10\,x+1)}{(2\,x-1)\,(-1+8\,x)\,(5\,x-1)}$$

Sequence: A074540
Score: 10.9326
Type of gen. func.: ogf

$$-\frac{73\,x^2-32\,x+3}{(9\,x-1)\,(2\,x-1)\,(5\,x-1)}$$

Sequence: A074540
Score: 5.91436
Type of gen. func.: ogf

$(686\,f(x)+20079)$

$(90\,f(x)\,x^3-73\,f(x)\,x^2+16\,f(x)\,x+73\,x^2-f(x)-32\,x+3)$

Sequence: A074540
Score: 6.11484
Type of gen. func.: ogf

$\{-a(n+3)+16\,a(n+2)-73\,a(n+1)+90\,a(n),\ a(0)=3,\ a(1)=16,$

$a(2)=110\}$

Sequence: A074540
Score: 7.24785
Type of gen. func.: lgdogf

$$-\frac{2\,(3285\,x^4-2880\,x^3+989\,x^2-146\,x+8)}{(9\,x-1)\,(2\,x-1)\,(5\,x-1)\,(73\,x^2-32\,x+3)}$$

Sequence: A074541
Score: 4.83737
Type of gen. func.: ogf

$$(325 f(x) + 17567)$$

$$(84 f(x) x^{3} - 68 f(x) x^{2} + 15 f(x) x + 68 x^{2} - f(x) - 30 x + 3)$$

Sequence: A074541
Score: 5.04409
Type of gen. func.: ogf

$$\{-a(n + 3) + 15 a(n + 2) - 68 a(n + 1) + 84 a(n), a(0) = 3, a(1) = 15,$$

$$a(2) = 89\}$$

Sequence: A074541
Score: 7.41251
Type of gen. func.: lgdogf

$$- \frac{5712 x^{4} - 5040 x^{3} + 1776 x^{2} - 272 x + 15}{(6 x - 1) (2 x - 1) (7 x - 1) (68 x^{2} - 30 x + 3)}$$

Sequence: A074541
Score: 8.94180
Type of gen. func.: ogf

$$- \frac{68 x^{2} - 30 x + 3}{(6 x - 1) (2 x - 1) (7 x - 1)}$$

Sequence: A074542
Score: 5.08292
Type of gen. func.: ogf

$$-(9 f(x) + 143) (96 f(x) x^{3} - 76 f(x) x^{2} + 16 f(x) x + 76 x^{2} - f(x) - 32 x + 3)$$

Sequence: A074542
Score: 5.25522
Type of gen. func.: ogf

$\{-a(n + 3) + 16 a(n + 2) - 76 a(n + 1) + 96 a(n), a(0) = 3, a(1) = 16,$

$a(2) = 104\}$

Sequence: A074542
Score: 7.89783
Type of gen. func.: lgdogf

$$-\frac{16 (456 x^4 - 384 x^3 + 130 x^2 - 19 x + 1)}{(6 x - 1) (-1 + 8 x) (2 x - 1) (76 x^2 - 32 x + 3)}$$

Sequence: A074542
Score: 9.39570
Type of gen. func.: ogf

$$-\frac{76 x^2 - 32 x + 3}{(6 x - 1) (-1 + 8 x) (2 x - 1)}$$

Sequence: A074543
Score: 4.69195
Type of gen. func.: ogf

$$(1127 f(x) + 5329)$$

$$(108 f(x) x^3 - 84 f(x) x^2 + 17 f(x) x + 84 x^2 - f(x) - 34 x + 3)$$

Sequence: A074543
Score: 4.84966
Type of gen. func.: ogf

$\{-a(n + 3) + 17 a(n + 2) - 84 a(n + 1) + 108 a(n), a(0) = 3, a(1) = 17,$

$a(2) = 121\}$

Sequence: A074543
Score: 7.24785
Type of gen. func.: lgdogf

$$-\frac{9072 x^4 - 7344 x^3 + 2400 x^2 - 336 x + 17}{(6 x - 1) (2 x - 1) (9 x - 1) (84 x^2 - 34 x + 3)}$$

Sequence: A074543
Score: 8.61358
Type of gen. func.: ogf

$$-\frac{84 x^2 - 34 x + 3}{(6 x - 1) (2 x - 1) (9 x - 1)}$$

Sequence: A074544
Score: 4.86806
Type of gen. func.: ogf

$(103725 f(x) + 7936643)$

$(112 f(x) x^3 - 86 f(x) x^2 + 17 f(x) x + 86 x^2 - f(x) - 34 x + 3)$

Sequence: A074544
Score: 5.23624
Type of gen. func.: ogf

$\{-a(n + 3) + 17 a(n + 2) - 86 a(n + 1) + 112 a(n), a(0) = 3, a(1) = 17,$

$a(2) = 117\}$

Sequence: A074544
Score: 7.73581
Type of gen. func.: lgdogf

$$-\frac{9632 x^4 - 7616 x^3 + 2470 x^2 - 344 x + 17}{(2 x - 1) (-1 + 8 x) (7 x - 1) (86 x^2 - 34 x + 3)}$$

Sequence: A074544
Score: 9.30018
Type of gen. func.: ogf

$$-\frac{86 x^2 - 34 x + 3}{(2 x - 1) (-1 + 8 x) (7 x - 1)}$$

Sequence: A074545
Score: 4.67786
Type of gen. func.: ogf

$(2450 f(x) + 60649)$

$$(126 f(x) x^3 - 95 f(x) x^2 + 18 f(x) x + 95 x^2 - f(x) - 36 x + 3)$$

Sequence: A074545
Score: 4.87441
Type of gen. func.: ogf

$\{-a(n + 3) + 18 a(n + 2) - 95 a(n + 1) + 126 a(n), a(0) = 3, a(1) = 18,$

$a(2) = 134\}$

Sequence: A074545
Score: 7.19338
Type of gen. func.: lgdogf

$$-\frac{2 (5985 x^4 - 4536 x^3 + 1422 x^2 - 190 x + 9)}{(9 x - 1) (2 x - 1) (7 x - 1) (95 x^2 - 36 x + 3)}$$

Sequence: A074545
Score: 8.65754
Type of gen. func.: ogf

$$-\frac{95 x^2 - 36 x + 3}{(9 x - 1) (2 x - 1) (7 x - 1)}$$

Sequence: A074546
Score: 4.59054
Type of gen. func.: ogf

$(3283 f(x) + 335421)$

$$(144 f(x) x^3 - 106 f(x) x^2 + 19 f(x) x + 106 x^2 - f(x) - 38 x + 3)$$

Sequence: A074546
Score: 4.85832
Type of gen. func.: ogf

$$\{-a(n + 3) + 19 a(n + 2) - 106 a(n + 1) + 144 a(n), a(0) = 3, a(1) = 19,$$
$$a(2) = 149\}$$

Sequence: A074546
Score: 6.96611
Type of gen. func.: lgdogf

$$- \frac{15264 x^4 - 10944 x^3 + 3310 x^2 - 424 x + 19}{(-1 + 8 x) (2 x - 1) (9 x - 1) (106 x^2 - 38 x + 3)}$$

Sequence: A074546
Score: 8.44926
Type of gen. func.: ogf

$$- \frac{106 x^2 - 38 x + 3}{(-1 + 8 x) (2 x - 1) (9 x - 1)}$$

Sequence: A074547
Score: 4.96062
Type of gen. func.: ogf

$$-(157 f(x) - 517)$$

$$(60 f(x) x^3 - 47 f(x) x^2 + 12 f(x) x + 47 x^2 - f(x) - 24 x + 3)$$

Sequence: A074547
Score: 5.25741
Type of gen. func.: ogf

$$\{-a(n + 3) + 12 a(n + 2) - 47 a(n + 1) + 60 a(n), a(0) = 3, a(1) = 12,$$

a(2) = 50}

Sequence: A074547
Score: 7.93096
Type of gen. func.: lgdogf

$$-\frac{4 (705 x^{4} - 720 x^{3} + 276 x^{2} - 47 x + 3)}{(4 x - 1) (3 x - 1) (5 x - 1) (47 x^{2} - 24 x + 3)}$$

Sequence: A074547
Score: 9.31995
Type of gen. func.: ogf

$$-\frac{47 x^{2} - 24 x + 3}{(4 x - 1) (3 x - 1) (5 x - 1)}$$

Sequence: A074548
Score: 4.42112
Type of gen. func.: ogf

$-(37 f(x) - 1341)$

$(72 f(x) x^{3} - 54 f(x) x^{2} + 13 f(x) x + 54 x^{2} - f(x) - 26 x + 3)$

Sequence: A074548
Score: 4.68563
Type of gen. func.: ogf

{-a(n + 3) + 13 a(n + 2) - 54 a(n + 1) + 72 a(n), a(0) = 3, a(1) = 13,

a(2) = 61}

Sequence: A074548
Score: 6.78779
Type of gen. func.: lgdogf

$$-\frac{3888 x^{4} - 3744 x^{3} + 1350 x^{2} - 216 x + 13}{{}^{2}}$$

$$(6 x - 1) (3 x - 1) (4 x - 1) (54 x \; - 26 x + 3)$$

Sequence: A074548
Score: 8.30635
Type of gen. func.: ogf

$$- \frac{54 x^2 - 26 x + 3}{(6 x - 1) (3 x - 1) (4 x - 1)}$$

Sequence: A074549
Score: 4.71103
Type of gen. func.: ogf

$$-(72 f(x) - 6491)$$

$$(84 f(x) x^3 - 61 f(x) x^2 + 14 f(x) x + 61 x^2 - f(x) - 28 x + 3)$$

Sequence: A074549
Score: 4.99288
Type of gen. func.: ogf

$$\{-a(n + 3) + 14 a(n + 2) - 61 a(n + 1) + 84 a(n), a(0) = 3, a(1) = 14,$$

$$a(2) = 74\}$$

Sequence: A074549
Score: 7.24284
Type of gen. func.: lgdogf

$$- \frac{2 (2562 x^4 - 2352 x^3 + 805 x^2 - 122 x + 7)}{(3 x - 1) (7 x - 1) (4 x - 1) (61 x^2 - 28 x + 3)}$$

Sequence: A074549
Score: 8.85102
Type of gen. func.: ogf

$$- \frac{61 x^2 - 28 x + 3}{(3 x - 1) (7 x - 1) (4 x - 1)}$$

```
------------------------------------------------------------------------------

Sequence:  A074550
Score: 4.82126
Type of gen. func.: ogf


-(1975 f(x) - 566239)

              3            2                   2
    (96 f(x) x  - 68 f(x) x  + 15 f(x) x + 68 x  - f(x) - 30 x + 3)



------------------------------------------------------------------------------

Sequence:  A074550
Score: 5.27453
Type of gen. func.: ogf


{-a(n + 3) + 15 a(n + 2) - 68 a(n + 1) + 96 a(n), a(0) = 3, a(1) = 15,

    a(2) = 89}



------------------------------------------------------------------------------

Sequence:  A074550
Score: 7.56422
Type of gen. func.: lgdogf


                          4          3          2
                    6528 x  - 5760 x  + 1884 x  - 272 x + 15
              - --------------------------------------------------
                                                    2
                (4 x - 1) (3 x - 1) (-1 + 8 x) (68 x  - 30 x + 3)



------------------------------------------------------------------------------

Sequence:  A074550
Score: 9.35030
Type of gen. func.: ogf


                                     2
                                 68 x  - 30 x + 3
                        - ------------------------------
                          (4 x - 1) (3 x - 1) (-1 + 8 x)



------------------------------------------------------------------------------

Sequence:  A074551
Score: 4.73041
Type of gen. func.: ogf


(25 f(x) + 22847)

               3            2                    2
    (108 f(x) x  - 75 f(x) x  + 16 f(x) x + 75 x  - f(x) - 32 x + 3)
```

Sequence: A074551
Score: 4.84966
Type of gen. func.: ogf

$$\{-a(n + 3) + 16 a(n + 2) - 75 a(n + 1) + 108 a(n), a(0) = 3, a(1) = 16, a(2) = 106\}$$

Sequence: A074551
Score: 7.24785
Type of gen. func.: lgdogf

$$- \frac{4 (2025 x^4 - 1728 x^3 + 543 x^2 - 75 x + 4)}{(4 x - 1) (3 x - 1) (9 x - 1) (75 x^2 - 32 x + 3)}$$

Sequence: A074551
Score: 8.61358
Type of gen. func.: ogf

$$- \frac{75 x^2 - 32 x + 3}{(4 x - 1) (3 x - 1) (9 x - 1)}$$

Sequence: A074552
Score: 4.59975
Type of gen. func.: ogf

$$-(1039 f(x) - 4189)$$

$$(105 f(x) x^3 - 71 f(x) x^2 + 15 f(x) x + 71 x^2 - f(x) - 30 x + 3)$$

Sequence: A074552
Score: 4.95057
Type of gen. func.: ogf

$$\{-a(n + 3) + 15 a(n + 2) - 71 a(n + 1) + 105 a(n), a(0) = 3, a(1) = 15, a(2) = 83\}$$

Sequence: A074552
Score: 7.33570
Type of gen. func.: lgdogf

$$-\frac{7455 x^4 - 6300 x^3 + 2010 x^2 - 284 x + 15}{(3 x - 1) (7 x - 1) (5 x - 1) (71 x^2 - 30 x + 3)}$$

Sequence: A074552
Score: 8.71891
Type of gen. func.: ogf

$$-\frac{71 x^2 - 30 x + 3}{(3 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A074553
Score: 4.89778
Type of gen. func.: ogf

$-(225 f(x) - 4993)$

$(120 f(x) x^3 - 79 f(x) x^2 + 16 f(x) x + 79 x^2 - f(x) - 32 x + 3)$

Sequence: A074553
Score: 5.22983
Type of gen. func.: ogf

$\{-a(n + 3) + 16 a(n + 2) - 79 a(n + 1) + 120 a(n), a(0) = 3, a(1) = 16,$

$a(2) = 98\}$

Sequence: A074553
Score: 7.75817
Type of gen. func.: lgdogf

$$-\frac{4 (2370 x^4 - 1920 x^3 + 586 x^2 - 79 x + 4)}{(3 x - 1) (-1 + 8 x) (5 x - 1) (79 x^2 - 32 x + 3)}$$

Sequence: A074553
Score: 9.21075
Type of gen. func.: ogf

$$-\frac{79 x^2 - 32 x + 3}{(3 x - 1) (-1 + 8 x) (5 x - 1)}$$

Sequence: A074554
Score: 4.54417
Type of gen. func.: ogf

$$-(181 f(x) - 12661)$$

$$(135 f(x) x^3 - 87 f(x) x^2 + 17 f(x) x + 87 x^2 - f(x) - 34 x + 3)$$

Sequence: A074554
Score: 4.84966
Type of gen. func.: ogf

$$\{-a(n + 3) + 17 a(n + 2) - 87 a(n + 1) + 135 a(n), a(0) = 3, a(1) = 17,$$

$$a(2) = 115\}$$

Sequence: A074554
Score: 7.15611
Type of gen. func.: lgdogf

$$-\frac{11745 x^4 - 9180 x^3 + 2694 x^2 - 348 x + 17}{(3 x - 1) (9 x - 1) (5 x - 1) (87 x^2 - 34 x + 3)}$$

Sequence: A074554
Score: 8.61358
Type of gen. func.: ogf

$$-\frac{87 x^2 - 34 x + 3}{(3 x - 1) (9 x - 1) (5 x - 1)}$$

Sequence: A074555
Score: 4.87735
Type of gen. func.: ogf

$(82 f(x) + 3369)$

$$(126 f(x) x^3 - 81 f(x) x^2 + 16 f(x) x + 81 x^2 - f(x) - 32 x + 3)$$

Sequence: A074555
Score: 5.00135
Type of gen. func.: ogf

$\{-a(n + 3) + 16 a(n + 2) - 81 a(n + 1) + 126 a(n), a(0) = 3, a(1) = 16,$

$a(2) = 94\}$

Sequence: A074555
Score: 7.31868
Type of gen. func.: lgdogf

$$-\frac{2 (5103 x^4 - 4032 x^3 + 1215 x^2 - 162 x + 8)}{(6 x - 1) (3 x - 1) (7 x - 1) (81 x^2 - 32 x + 3)}$$

Sequence: A074555
Score: 8.80834
Type of gen. func.: ogf

$$-\frac{81 x^2 - 32 x + 3}{(6 x - 1) (3 x - 1) (7 x - 1)}$$

Sequence: A074556
Score: 4.84466
Type of gen. func.: ogf

$-(2075 f(x) + 14869)$

$$(144 f(x) x^3 - 90 f(x) x^2 + 17 f(x) x + 90 x^2 - f(x) - 34 x + 3)$$

Sequence: A074556
Score: 5.21106
Type of gen. func.: ogf

$$\{-a(n + 3) + 17 a(n + 2) - 90 a(n + 1) + 144 a(n), a(0) = 3, a(1) = 17, a(2) = 109\}$$

Sequence: A074556
Score: 7.60166
Type of gen. func.: lgdogf

$$-\frac{12960 x^4 - 9792 x^3 + 2826 x^2 - 360 x + 17}{(6 x - 1) (3 x - 1) (-1 + 8 x) (90 x^2 - 34 x + 3)}$$

Sequence: A074556
Score: 9.25546
Type of gen. func.: ogf

$$-\frac{90 x^2 - 34 x + 3}{(6 x - 1) (3 x - 1) (-1 + 8 x)}$$

Sequence: A074557
Score: 4.73041
Type of gen. func.: ogf

$$-(2 f(x) - 11) (162 f(x) x^3 - 99 f(x) x^2 + 18 f(x) x + 99 x^2 - f(x) - 36 x + 3)$$

Sequence: A074557
Score: 4.84966
Type of gen. func.: ogf

$$\{-a(n + 3) + 18 a(n + 2) - 99 a(n + 1) + 162 a(n), a(0) = 3, a(1) = 18, a(2) = 126\}$$

Sequence: A074557
Score: 7.53777
Type of gen. func.: lgdogf

$$-\frac{6\,(891\,x^{4}-648\,x^{3}+180\,x^{2}-22\,x+1)}{(6\,x-1)\,(3\,x-1)\,(9\,x-1)\,(33\,x^{2}-12\,x+1)}$$

Sequence: A074557
Score: 8.61358
Type of gen. func.: ogf

$$-\frac{3\,(33\,x^{2}-12\,x+1)}{(6\,x-1)\,(3\,x-1)\,(9\,x-1)}$$

Sequence: A074558
Score: 4.9064
Type of gen. func.: ogf

$$(3175\,f(x)+198299)$$

$$(168\,f(x)\,x^{3}-101\,f(x)\,x^{2}+18\,f(x)\,x+101\,x^{2}-f(x)-36\,x+3)$$

Sequence: A074558
Score: 5.19260
Type of gen. func.: ogf

$$\{-a(n+3)+18\,a(n+2)-101\,a(n+1)+168\,a(n),\ a(0)=3,\ a(1)=18,\ a(2)=122\}$$

Sequence: A074558
Score: 7.54480
Type of gen. func.: lgdogf

$$-\frac{2\,(8484\,x^{4}-6048\,x^{3}+1665\,x^{2}-202\,x+9)}{(3\,x-1)\,(-1+8\,x)\,(7\,x-1)\,(101\,x^{2}-36\,x+3)}$$

Sequence: A074558
Score: 9.03061
Type of gen. func.: ogf

$$-\frac{101 x^2 - 36 x + 3}{(3 x - 1) (-1 + 8 x) (7 x - 1)}$$

Sequence: A074559
Score: 4.64044
Type of gen. func.: ogf

$(677 f(x) + 10579)$

$(189 f(x) x^3 - 111 f(x) x^2 + 19 f(x) x + 111 x^2 - f(x) - 38 x + 3)$

Sequence: A074559
Score: 4.83379
Type of gen. func.: ogf

$\{-a(n + 3) + 19 a(n + 2) - 111 a(n + 1) + 189 a(n), a(0) = 3, a(1) = 19,$

$a(2) = 139\}$

Sequence: A074559
Score: 7.01576
Type of gen. func.: lgdogf

$$-\frac{20979 x^4 - 14364 x^3 + 3810 x^2 - 444 x + 19}{(3 x - 1) (7 x - 1) (9 x - 1) (111 x^2 - 38 x + 3)}$$

Sequence: A074559
Score: 8.40659
Type of gen. func.: ogf

$$-\frac{111 x^2 - 38 x + 3}{(3 x - 1) (7 x - 1) (9 x - 1)}$$

Sequence: A074560
Score: 10.5455
Type of gen. func.: ogf

$$-\frac{123 x^2 - 40 x + 3}{(3 x - 1) (9 x - 1) (-1 + 8 x)}$$

Sequence: A074560
Score: 5.72946
Type of gen. func.: ogf

$$(5575 f(x) + 482777)$$

$$(216 f(x) x^3 - 123 f(x) x^2 + 20 f(x) x + 123 x^2 - f(x) - 40 x + 3)$$

Sequence: A074560
Score: 6.06367
Type of gen. func.: ogf

{-a(n + 3) + 20 a(n + 2) - 123 a(n + 1) + 216 a(n), a(0) = 3, a(1) = 20,

a(2) = 154}

Sequence: A074560
Score: 7.05212
Type of gen. func.: lgdogf

$$-\frac{4 (6642 x^4 - 4320 x^3 + 1101 x^2 - 123 x + 5)}{(3 x - 1) (9 x - 1) (-1 + 8 x) (123 x^2 - 40 x + 3)}$$

Sequence: A074561
Score: 4.37472
Type of gen. func.: ogf

$$-(827 f(x) - 2627)$$

$$(120 f(x) x^3 - 74 f(x) x^2 + 15 f(x) x + 74 x^2 - f(x) - 30 x + 3)$$

Sequence: A074561
Score: 4.67131
Type of gen. func.: ogf

{-a(n + 3) + 15 a(n + 2) - 74 a(n + 1) + 120 a(n), a(0) = 3, a(1) = 15,

$a(2) = 77\}$

Sequence: A074561
Score: 6.82571
Type of gen. func.: lgdogf

$$-\frac{8880 x^4 - 7200 x^3 + 2190 x^2 - 296 x + 15}{(6 x - 1) (4 x - 1) (5 x - 1) (74 x^2 - 30 x + 3)}$$

Sequence: A074561
Score: 8.22707
Type of gen. func.: ogf

$$-\frac{74 x^2 - 30 x + 3}{(6 x - 1) (4 x - 1) (5 x - 1)}$$

Sequence: A074562
Score: 4.52843
Type of gen. func.: ogf

$-(4113 f(x) - 158393)$

$(140 f(x) x^3 - 83 f(x) x^2 + 16 f(x) x + 83 x^2 - f(x) - 32 x + 3)$

Sequence: A074562
Score: 4.95057
Type of gen. func.: ogf

$\{-a(n + 3) + 16 a(n + 2) - 83 a(n + 1) + 140 a(n), a(0) = 3, a(1) = 16,$

$a(2) = 90\}$

Sequence: A074562
Score: 7.33570
Type of gen. func.: lgdogf

$$-\frac{4 (2905 x^4 - 2240 x^3 + 647 x^2 - 83 x + 4)}{}$$

$$(4 x - 1) (7 x - 1) (5 x - 1) (83 x^{2} - 32 x + 3)$$

Sequence: A074562
Score: 8.71891
Type of gen. func.: ogf

$$- \frac{83 x^{2} - 32 x + 3}{(4 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A074563
Score: 4.80711
Type of gen. func.: ogf

$$-(4113 f(x) - 328553)$$

$$(160 f(x) x^{3} - 92 f(x) x^{2} + 17 f(x) x + 92 x^{2} - f(x) - 34 x + 3)$$

Sequence: A074563
Score: 5.21106
Type of gen. func.: ogf

$$\{-a(n + 3) + 17 a(n + 2) - 92 a(n + 1) + 160 a(n), a(0) = 3, a(1) = 17,$$
$$a(2) = 105\}$$

Sequence: A074563
Score: 7.41626
Type of gen. func.: lgdogf

$$- \frac{14720 x^{4} - 10880 x^{3} + 3004 x^{2} - 368 x + 17}{(4 x - 1) (-1 + 8 x) (5 x - 1) (92 x^{2} - 34 x + 3)}$$

Sequence: A074563
Score: 9.25546
Type of gen. func.: ogf

$$- \frac{92 x^{2} - 34 x + 3}{}$$

$$(4 x - 1) (-1 + 8 x) (5 x - 1)$$

Sequence: A074564
Score: 4.47372
Type of gen. func.: ogf

$$-(200 f(x) - 30899)$$

$$(180 f(x) x^3 - 101 f(x) x^2 + 18 f(x) x + 101 x^2 - f(x) - 36 x + 3)$$

Sequence: A074564
Score: 4.80925
Type of gen. func.: ogf

$$\{-a(n + 3) + 18 a(n + 2) - 101 a(n + 1) + 180 a(n), a(0) = 3, a(1) = 18, a(2) = 122\}$$

Sequence: A074564
Score: 6.97941
Type of gen. func.: lgdogf

$$- \frac{2 (9090 x^4 - 6480 x^3 + 1719 x^2 - 202 x + 9)}{(4 x - 1) (9 x - 1) (5 x - 1) (101 x^2 - 36 x + 3)}$$

Sequence: A074564
Score: 8.36391
Type of gen. func.: ogf

$$- \frac{101 x^2 - 36 x + 3}{(4 x - 1) (9 x - 1) (5 x - 1)}$$

Sequence: A074565
Score: 4.78351
Type of gen. func.: ogf

$$(1233 f(x) + 32311)$$

$$(168 f(x) x^3 - 94 f(x) x^2 + 17 f(x) x + 94 x^2 - f(x) - 34 x + 3)$$

Sequence: A074565
Score: 4.98450
Type of gen. func.: ogf

$\{-a(n + 3) + 17 a(n + 2) - 94 a(n + 1) + 168 a(n), a(0) = 3, a(1) = 17,$

$a(2) = 101\}$

Sequence: A074565
Score: 7.17496
Type of gen. func.: lgdogf

$$-\frac{15792 x^4 - 11424 x^3 + 3110 x^2 - 376 x + 17}{(6 x - 1) (7 x - 1) (4 x - 1) (94 x^2 - 34 x + 3)}$$

Sequence: A074565
Score: 8.85306
Type of gen. func.: ogf

$$-\frac{94 x^2 - 34 x + 3}{(6 x - 1) (7 x - 1) (4 x - 1)}$$

Sequence: A074566
Score: 4.92156
Type of gen. func.: ogf

$-(83 f(x) - 299)$

$(192 f(x) x^3 - 104 f(x) x^2 + 18 f(x) x + 104 x^2 - f(x) - 36 x + 3)$

Sequence: A074566
Score: 5.16763
Type of gen. func.: ogf

$\{-a(n + 3) + 18 a(n + 2) - 104 a(n + 1) + 192 a(n), a(0) = 3, a(1) = 18,$

$a(2) = 116\}$

Sequence: A074566
Score: 7.41626
Type of gen. func.: lgdogf

$$-\frac{2\,(9984\,x^4 - 6912\,x^3 + 1800\,x^2 - 208\,x + 9)}{(6\,x - 1)\,(-1 + 8\,x)\,(4\,x - 1)\,(104\,x^2 - 36\,x + 3)}$$

Sequence: A074566
Score: 8.98719
Type of gen. func.: ogf

$$-\frac{104\,x^2 - 36\,x + 3}{(6\,x - 1)\,(-1 + 8\,x)\,(4\,x - 1)}$$

Sequence: A074567
Score: 4.49655
Type of gen. func.: ogf

$-(575\,f(x) - 11111)$

$(216\,f(x)\,x^3 - 114\,f(x)\,x^2 + 19\,f(x)\,x + 114\,x^2 - f(x) - 38\,x + 3)$

Sequence: A074567
Score: 4.83379
Type of gen. func.: ogf

$\{-a(n + 3) + 19\,a(n + 2) - 114\,a(n + 1) + 216\,a(n),\ a(0) = 3,\ a(1) = 19,$

$a(2) = 133\}$

Sequence: A074567
Score: 6.93021
Type of gen. func.: lgdogf

$$-\frac{24624\,x^4 - 16416\,x^3 + 4110\,x^2 - 456\,x + 19}{(6\,x - 1)\,(4\,x - 1)\,(9\,x - 1)\,(114\,x^2 - 38\,x + 3)}$$

Sequence: A074567
Score: 8.40659
Type of gen. func.: ogf

$$-\frac{114 x^2 - 38 x + 3}{(6 x - 1) (4 x - 1) (9 x - 1)}$$

Sequence: A074568
Score: 4.9064
Type of gen. func.: ogf

(7731 f(x) + 374917)

$$(224 f(x) x^3 - 116 f(x) x^2 + 19 f(x) x + 116 x^2 - f(x) - 38 x + 3)$$

Sequence: A074568
Score: 5.19260
Type of gen. func.: ogf

{-a(n + 3) + 19 a(n + 2) - 116 a(n + 1) + 224 a(n), a(0) = 3, a(1) = 19,

a(2) = 129}

Sequence: A074568
Score: 7.36300
Type of gen. func.: lgdogf

$$-\frac{25984 x^4 - 17024 x^3 + 4220 x^2 - 464 x + 19}{(-1 + 8 x) (7 x - 1) (4 x - 1) (116 x^2 - 38 x + 3)}$$

Sequence: A074568
Score: 9.03061
Type of gen. func.: ogf

$$-\frac{116 x^2 - 38 x + 3}{(-1 + 8 x) (7 x - 1) (4 x - 1)}$$

Sequence: A074569
Score: 4.46196
Type of gen. func.: ogf

$$-(2525 f(x) + 21051) (252 f(x) x^3 - 127 f(x) x^2 + 20 f(x) x + 127 x^2 - f(x) - 40 x + 3)$$

Sequence: A074569
Score: 4.83379
Type of gen. func.: ogf

$$\{-a(n + 3) + 20 a(n + 2) - 127 a(n + 1) + 252 a(n), a(0) = 3, a(1) = 20, a(2) = 146\}$$

Sequence: A074569
Score: 7.01576
Type of gen. func.: lgdogf

$$-\frac{4 (8001 x^4 - 5040 x^3 + 1202 x^2 - 127 x + 5)}{(4 x - 1) (9 x - 1) (7 x - 1) (127 x^2 - 40 x + 3)}$$

Sequence: A074569
Score: 8.40659
Type of gen. func.: ogf

$$-\frac{127 x^2 - 40 x + 3}{(4 x - 1) (9 x - 1) (7 x - 1)}$$

Sequence: A074570
Score: 4.59054
Type of gen. func.: ogf

$$(4075 f(x) + 294221) (288 f(x) x^3 - 140 f(x) x^2 + 21 f(x) x + 140 x^2 - f(x) - 42 x + 3)$$

Sequence: A074570
Score: 4.85832
Type of gen. func.: ogf

$$\{-a(n + 3) + 21 a(n + 2) - 140 a(n + 1) + 288 a(n), a(0) = 3, a(1) = 21, a(2) = 161\}$$

Sequence: A074570
Score: 6.88219
Type of gen. func.: lgdogf

$$-\frac{40320 x^4 - 24192 x^3 + 5532 x^2 - 560 x + 21}{(4 x - 1) (9 x - 1) (-1 + 8 x) (140 x^2 - 42 x + 3)}$$

Sequence: A074570
Score: 8.44926
Type of gen. func.: ogf

$$-\frac{140 x^2 - 42 x + 3}{(4 x - 1) (9 x - 1) (-1 + 8 x)}$$

Sequence: A074571
Score: 4.63402
Type of gen. func.: ogf

$$-(446 f(x) - 1391) (210 f(x) x^3 - 107 f(x) x^2 + 18 f(x) x + 107 x^2 - f(x) - 36 x + 3)$$

Sequence: A074571
Score: 4.94296
Type of gen. func.: ogf

$$\{-a(n + 3) + 18 a(n + 2) - 107 a(n + 1) + 210 a(n), a(0) = 3, a(1) = 18, a(2) = 110\}$$

Sequence: A074571

Score: 7.17496
Type of gen. func.: lgdogf

$$-\frac{2\,(11235\,x^{4} - 7560\,x^{3} + 1908\,x^{2} - 214\,x + 9)}{(6\,x - 1)\,(7\,x - 1)\,(5\,x - 1)\,(107\,x^{2} - 36\,x + 3)}$$

Sequence: A074571
Score: 8.59645
Type of gen. func.: ogf

$$-\frac{107\,x^{2} - 36\,x + 3}{(6\,x - 1)\,(7\,x - 1)\,(5\,x - 1)}$$

Sequence: A074572
Score: 4.84466
Type of gen. func.: ogf

$-(153\,f(x) - 6473)$

$$(240\,f(x)\,x^{3} - 118\,f(x)\,x^{2} + 19\,f(x)\,x + 118\,x^{2} - f(x) - 38\,x + 3)$$

Sequence: A074572
Score: 5.16763
Type of gen. func.: ogf

$\{-a(n + 3) + 19\,a(n + 2) - 118\,a(n + 1) + 240\,a(n),\ a(0) = 3,\ a(1) = 19,$

$a(2) = 125\}$

Sequence: A074572
Score: 7.41626
Type of gen. func.: lgdogf

$$-\frac{28320\,x^{4} - 18240\,x^{3} + 4402\,x^{2} - 472\,x + 19}{(6\,x - 1)\,(-1 + 8\,x)\,(5\,x - 1)\,(118\,x^{2} - 38\,x + 3)}$$

Sequence: A074572

Score: 8.98719
Type of gen. func.: ogf

$$-\frac{118 x^2 - 38 x + 3}{(6 x - 1) (-1 + 8 x) (5 x - 1)}$$

Sequence: A074573
Score: 4.49655
Type of gen. func.: ogf

$-(694 f(x) - 56569)$

$$(270 f(x) x^3 - 129 f(x) x^2 + 20 f(x) x + 129 x^2 - f(x) - 40 x + 3)$$

Sequence: A074573
Score: 4.83379
Type of gen. func.: ogf

$\{-a(n + 3) + 20 a(n + 2) - 129 a(n + 1) + 270 a(n), a(0) = 3, a(1) = 20,$

$a(2) = 142\}$

Sequence: A074573
Score: 6.84671
Type of gen. func.: lgdogf

$$-\frac{2 (17415 x^4 - 10800 x^3 + 2505 x^2 - 258 x + 10)}{(6 x - 1) (9 x - 1) (5 x - 1) (129 x^2 - 40 x + 3)}$$

Sequence: A074573
Score: 8.40659
Type of gen. func.: ogf

$$-\frac{129 x^2 - 40 x + 3}{(6 x - 1) (9 x - 1) (5 x - 1)}$$

Sequence: A074574
Score: 4.9849

Type of gen. func.: ogf

$$(873 f(x) + 27127)$$

$$(280 f(x) x^{3} - 131 f(x) x^{2} + 20 f(x) x + 131 x^{2} - f(x) - 40 x + 3)$$

Sequence: A074574
Score: 5.19260
Type of gen. func.: ogf

$$\{-a(n + 3) + 20 a(n + 2) - 131 a(n + 1) + 280 a(n), a(0) = 3, a(1) = 20, a(2) = 138\}$$

Sequence: A074574
Score: 7.54480
Type of gen. func.: lgdogf

$$- \frac{4 (9170 x^{4} - 5600 x^{3} + 1285 x^{2} - 131 x + 5)}{(-1 + 8 x) (7 x - 1) (5 x - 1) (131 x^{2} - 40 x + 3)}$$

Sequence: A074574
Score: 9.03061
Type of gen. func.: ogf

$$- \frac{131 x^{2} - 40 x + 3}{(-1 + 8 x) (7 x - 1) (5 x - 1)}$$

Sequence: A074575
Score: 4.46196
Type of gen. func.: ogf

$$-(5503 f(x) - 18733)$$

$$(315 f(x) x^{3} - 143 f(x) x^{2} + 21 f(x) x + 143 x^{2} - f(x) - 42 x + 3)$$

Sequence: A074575
Score: 4.83379
Type of gen. func.: ogf

$$\{-a(n + 3) + 21 a(n + 2) - 143 a(n + 1) + 315 a(n), a(0) = 3, a(1) = 21,$$

$$a(2) = 155\}$$

Sequence: A074575
Score: 7.01576
Type of gen. func.: lgdogf

$$-\frac{45045 x^4 - 26460 x^3 + 5838 x^2 - 572 x + 21}{(9 x - 1) (7 x - 1) (5 x - 1) (143 x^2 - 42 x + 3)}$$

Sequence: A074575
Score: 8.40659
Type of gen. func.: ogf

$$-\frac{143 x^2 - 42 x + 3}{(9 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A074576
Score: 4.73983
Type of gen. func.: ogf

$$(47 f(x) + 2643)$$

$$(360 f(x) x^3 - 157 f(x) x^2 + 22 f(x) x + 157 x^2 - f(x) - 44 x + 3)$$

Sequence: A074576
Score: 4.85832
Type of gen. func.: ogf

$$\{-a(n + 3) + 22 a(n + 2) - 157 a(n + 1) + 360 a(n), a(0) = 3, a(1) = 22,$$

$$a(2) = 170\}$$

Sequence: A074576
Score: 6.80025
Type of gen. func.: lgdogf

$$-\frac{2\,(28260\,x^4 - 15840\,x^3 + 3347\,x^2 - 314\,x + 11)}{(9\,x - 1)\,(-1 + 8\,x)\,(5\,x - 1)\,(157\,x^2 - 44\,x + 3)}$$

Sequence: A074576
Score: 8.44926
Type of gen. func.: ogf

$$-\frac{157\,x^2 - 44\,x + 3}{(9\,x - 1)\,(-1 + 8\,x)\,(5\,x - 1)}$$

Sequence: A074577
Score: 4.81622
Type of gen. func.: ogf

-(3383 f(x) - 10439)

$$(336\,f(x)\,x^3 - 146\,f(x)\,x^2 + 21\,f(x)\,x + 146\,x^2 - f(x) - 42\,x + 3)$$

Sequence: A074577
Score: 5.21757
Type of gen. func.: ogf

{-a(n + 3) + 21 a(n + 2) - 146 a(n + 1) + 336 a(n), a(0) = 3, a(1) = 21,

a(2) = 149}

Sequence: A074577
Score: 7.48933
Type of gen. func.: lgdogf

$$-\frac{49056\,x^4 - 28224\,x^3 + 6090\,x^2 - 584\,x + 21}{(6\,x - 1)\,(-1 + 8\,x)\,(7\,x - 1)\,(146\,x^2 - 42\,x + 3)}$$

Sequence: A074577
Score: 9.07403
Type of gen. func.: ogf

$$-\frac{146 x^2 - 42 x + 3}{(6 x - 1) (-1 + 8 x) (7 x - 1)}$$

Sequence: A074578
Score: 4.51937
Type of gen. func.: ogf

$-(314 f(x) - 14657)$

$(378 f(x) x^3 - 159 f(x) x^2 + 22 f(x) x + 159 x^2 - f(x) - 44 x + 3)$

Sequence: A074578
Score: 4.85832
Type of gen. func.: ogf

$\{-a(n + 3) + 22 a(n + 2) - 159 a(n + 1) + 378 a(n), a(0) = 3, a(1) = 22,$

$a(2) = 166\}$

Sequence: A074578
Score: 6.88219
Type of gen. func.: lgdogf

$$-\frac{2 (30051 x^4 - 16632 x^3 + 3450 x^2 - 318 x + 11)}{(6 x - 1) (7 x - 1) (9 x - 1) (159 x^2 - 44 x + 3)}$$

Sequence: A074578
Score: 8.44926
Type of gen. func.: ogf

$$-\frac{159 x^2 - 44 x + 3}{(6 x - 1) (7 x - 1) (9 x - 1)}$$

Sequence: A074579
Score: 4.62698
Type of gen. func.: ogf

$(1531 f(x) + 55157)$

$$(432 f(x) x^3 - 174 f(x) x^2 + 23 f(x) x + 174 x^2 - f(x) - 46 x + 3)$$

Sequence: A074579
Score: 4.85832
Type of gen. func.: ogf

{-a(n + 3) + 23 a(n + 2) - 174 a(n + 1) + 432 a(n), a(0) = 3, a(1) = 23,

a(2) = 181}

Sequence: A074579
Score: 6.96611
Type of gen. func.: lgdogf

$$-\frac{75168 x^4 - 39744 x^3 + 7890 x^2 - 696 x + 23}{(6 x - 1) (-1 + 8 x) (9 x - 1) (174 x^2 - 46 x + 3)}$$

Sequence: A074579
Score: 8.44926
Type of gen. func.: ogf

$$-\frac{174 x^2 - 46 x + 3}{(6 x - 1) (-1 + 8 x) (9 x - 1)}$$

Sequence: A074580
Score: 4.5422
Type of gen. func.: ogf

-(2929 f(x) - 8977)

$$(504 f(x) x^3 - 191 f(x) x^2 + 24 f(x) x + 191 x^2 - f(x) - 48 x + 3)$$

Sequence: A074580
Score: 4.88287
Type of gen. func.: ogf

{-a(n + 3) + 24 a(n + 2) - 191 a(n + 1) + 504 a(n), a(0) = 3, a(1) = 24,

a(2) = 194}

Sequence: A074580
Score: 6.91766
Type of gen. func.: lgdogf

$$-\frac{4\,(24066\,x^4-12096\,x^3+2280\,x^2-191\,x+6)}{(-1+8\,x)\,(7\,x-1)\,(9\,x-1)\,(191\,x^2-48\,x+3)}$$

Sequence: A074580
Score: 8.49194
Type of gen. func.: ogf

$$-\frac{191\,x^2-48\,x+3}{(-1+8\,x)\,(7\,x-1)\,(9\,x-1)}$$

Sequence: A074581
Score: 10.2552
Type of gen. func.: ogf

$$\frac{x\,(x-2)}{x^3-5\,x^2+7\,x-1}$$

Sequence: A074581
Score: 11.9878
Type of gen. func.: lgdogf

$$-\frac{2\,x^3-11\,x^2+20\,x-13}{(x-2)\,(x^3-5\,x^2+7\,x-1)}$$

Sequence: A074581
Score: 5.12762
Type of gen. func.: ogf

$$-(103\,f(x)+63)\,(f(x)\,x^3-5\,f(x)\,x^2+7\,f(x)\,x-x^2-f(x)+2\,x)$$

Sequence: A074581
Score: 5.21918
Type of gen. func.: ogf

$$\{a(n+3) - 7\, a(n+2) + 5\, a(n+1) - a(n),\ a(0) = 0,\ a(1) = 2,\ a(2) = 13\}$$

Sequence: A074582
Score: 5.18601
Type of gen. func.: ogf

$$(583\, f(x) - 11543)\, (f(x)\, x^3 - 5\, f(x)\, x^2 + 7\, f(x)\, x + 5\, x^2 - f(x) - 14\, x + 3)$$

Sequence: A074582
Score: 5.41548
Type of gen. func.: ogf

$$\{a(n+3) - 7\, a(n+2) + 5\, a(n+1) - a(n),\ a(0) = 3,\ a(1) = 7,\ a(2) = 39\}$$

Sequence: A074582
Score: 9.67372
Type of gen. func.: lgdogf

$$-\frac{5\, x^4 - 28\, x^3 + 44\, x^2 - 20\, x + 7}{(5\, x^2 - 14\, x + 3)\, (x^3 - 5\, x^2 + 7\, x - 1)}$$

Sequence: A074582
Score: 9.87015
Type of gen. func.: ogf

$$-\frac{5\, x^2 - 14\, x + 3}{x^3 - 5\, x^2 + 7\, x - 1}$$

Sequence: A074584
Score: 5.45016

Type of gen. func.: lgdogf

$$-\left(x^{10}+4x^{9}+10x^{8}+20x^{7}+35x^{6}-16x^{5}-15x^{4}-12x^{3}-8x^{2}-4x-1\right) / \left((x^{5}+2x^{4}+3x^{3}+4x^{2}+5x-6)(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x-1)\right)$$

Sequence: A074584
Score: 6.32736
Type of gen. func.: ogf

$$\frac{x^{5}+2x^{4}+3x^{3}+4x^{2}+5x-6}{x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x-1}$$

Sequence: A074585
Score: 10.0299
Type of gen. func.: ogf

$$\frac{x^{2}+2x+3}{(x-1)(x+1)(x^{3}-x^{2}-x-1)}$$

Sequence: A074585
Score: 9.64410
Type of gen. func.: lgdogf

$$-\frac{3x^{6}+6x^{5}+7x^{4}-20x^{3}-19x^{2}-2x+1}{(x-1)(x+1)(x^{2}+2x+3)(x^{3}-x^{2}-x-1)}$$

Sequence: A074600
Score: 13.2377
Type of gen. func.: ogf

$$-\frac{7x-2}{(5x-1)(2x-1)}$$

Sequence: A074600
Score: 14.9143
Type of gen. func.: lgdogf

$$-\frac{70 x^2 - 40 x + 7}{(7 x - 2) (2 x - 1) (5 x - 1)}$$

Sequence: A074600
Score: 6.6916
Type of gen. func.: ogf

$$-(9 f(x) + 31) (10 f(x) x^2 - 7 f(x) x + f(x) + 7 x - 2)$$

Sequence: A074600
Score: 7.33657
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) + 10 a(n), a(0) = 2, a(1) = 7\}$$

Sequence: A074601
Score: 13.1708
Type of gen. func.: ogf

$$-\frac{2 (4 x - 1)}{(2 x - 1) (6 x - 1)}$$

Sequence: A074601
Score: 14.1353
Type of gen. func.: lgdogf

$$-\frac{4 (12 x^2 - 6 x + 1)}{(6 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A074601
Score: 6.6578
Type of gen. func.: ogf

2

$$-(13 f(x) + 6) (12 f(x) x - 8 f(x) x + f(x) + 8 x - 2)$$

Sequence: A074601
Score: 7.29951
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 12 a(n), a(0) = 2, a(1) = 8\}$$

Sequence: A074602
Score: 12.6342
Type of gen. func.: ogf

$$-\frac{9 x - 2}{(7 x - 1) (2 x - 1)}$$

Sequence: A074602
Score: 13.8827
Type of gen. func.: lgdogf

$$-\frac{126 x^2 - 56 x + 9}{(2 x - 1) (7 x - 1) (9 x - 2)}$$

Sequence: A074602
Score: 6.31709
Type of gen. func.: ogf

$$-(25 f(x) + 31) (14 f(x) x^2 - 9 f(x) x + f(x) + 9 x - 2)$$

Sequence: A074602
Score: 7.00207
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) + 14 a(n), a(0) = 2, a(1) = 9\}$$

Sequence: A074603
Score: 12.8567
Type of gen. func.: ogf

$$-\frac{2(5x-1)}{(2x-1)(-1+8x)}$$

Sequence: A074603
Score: 14.7595
Type of gen. func.: lgdogf

$$-\frac{80x^2-32x+5}{(2x-1)(-1+8x)(5x-1)}$$

Sequence: A074603
Score: 6.42834
Type of gen. func.: ogf

$$-(378 f(x)-131)(16 f(x) x^2-10 f(x) x+f(x)+10 x-2)$$

Sequence: A074603
Score: 7.26024
Type of gen. func.: ogf

$$\{a(n+2)-10 a(n+1)+16 a(n), a(0)=2, a(1)=10\}$$

Sequence: A074604
Score: 11.9618
Type of gen. func.: ogf

$$-\frac{11x-2}{(2x-1)(9x-1)}$$

Sequence: A074604
Score: 13.0788
Type of gen. func.: lgdogf

$$-\frac{198x^2-72x+11}{(11x-2)(2x-1)(9x-1)}$$

Sequence: A074604
Score: 13.7168
Type of gen. func.: revogf

$$-\frac{-2 - 11 x + (49 x^2 + 4)^{1/2}}{2 (18 x + 11)}$$

Sequence: A074604
Score: 6.10814
Type of gen. func.: ogf

$$-(49 f(x) + 23) (18 f(x) x^2 - 11 f(x) x + f(x) + 11 x - 2)$$

Sequence: A074604
Score: 6.75489
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 18 a(n), a(0) = 2, a(1) = 11\}$$

Sequence: A074605
Score: 13.0873
Type of gen. func.: ogf

$$-\frac{7 x - 2}{(3 x - 1) (4 x - 1)}$$

Sequence: A074605
Score: 14.3774
Type of gen. func.: lgdogf

$$-\frac{84 x^2 - 48 x + 7}{(7 x - 2) (3 x - 1) (4 x - 1)}$$

Sequence: A074605
Score: 16.3742
Type of gen. func.: revogf

$$-\frac{-2 - 7 x + (x^2 + 4)^{1/2}}{2 (12 x + 7)}$$

Sequence: A074605
Score: 6.61555
Type of gen. func.: ogf

$$-(f(x) + 47) (12 f(x) x^2 - 7 f(x) x + f(x) + 7 x - 2)$$

Sequence: A074605
Score: 7.25318
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) + 12 a(n), a(0) = 2, a(1) = 7\}$$

Sequence: A074606
Score: 13.2377
Type of gen. func.: ogf

$$-\frac{2 (4 x - 1)}{(5 x - 1) (3 x - 1)}$$

Sequence: A074606
Score: 13.8737
Type of gen. func.: lgdogf

$$-\frac{2 (30 x^2 - 15 x + 2)}{(4 x - 1) (3 x - 1) (5 x - 1)}$$

Sequence: A074606
Score: 6.54769
Type of gen. func.: ogf

$$-(49 f(x) + 414) (15 f(x) x^2 - 8 f(x) x + f(x) + 8 x - 2)$$

Sequence: A074606
Score: 7.33657
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 15 a(n), a(0) = 2, a(1) = 8\}$$

Sequence: A074607
Score: 10.7942
Type of gen. func.: revegf]

$$1/6 \ln(1 + 2 x) - 1/3 \operatorname{arctanh}((6 x + 4)^{1/2}) + 1/3 \operatorname{arctanh}(2)$$

Sequence: A074607
Score: 13.1708
Type of gen. func.: ogf

$$- \frac{9 x - 2}{(3 x - 1) (6 x - 1)}$$

Sequence: A074607
Score: 14.4800
Type of gen. func.: lgdogf

$$- \frac{9 (18 x^2 - 8 x + 1)}{(6 x - 1) (3 x - 1) (9 x - 2)}$$

Sequence: A074607
Score: 6.58543
Type of gen. func.: ogf

$$-(14 f(x) + 53) (18 f(x) x^2 - 9 f(x) x + f(x) + 9 x - 2)$$

Sequence: A074607
Score: 7.29951
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) + 18 a(n), a(0) = 2, a(1) = 9\}$$

Sequence: A074608
Score: 12.1701
Type of gen. func.: ogf

$$-\frac{2\,(5\,x-1)}{(7\,x-1)\,(3\,x-1)}$$

Sequence: A074608
Score: 13.9557
Type of gen. func.: lgdogf

$$-\frac{105\,x^2-42\,x+5}{(3\,x-1)\,(7\,x-1)\,(5\,x-1)}$$

Sequence: A074608
Score: 6.28137
Type of gen. func.: ogf

$$-(4\,f(x)+17)\,(21\,f(x)\,x^2-10\,f(x)\,x+f(x)+10\,x-2)$$

Sequence: A074608
Score: 6.87255
Type of gen. func.: ogf

$$\{a(n+2)-10\,a(n+1)+21\,a(n),\ a(0)=2,\ a(1)=10\}$$

Sequence: A074609
Score: 12.8567
Type of gen. func.: ogf

$$-\frac{11\,x-2}{(-1+8\,x)\,(3\,x-1)}$$

Sequence: A074609
Score: 13.7531
Type of gen. func.: lgdogf

2

$$-\frac{264 x - 96 x + 11}{(3 x - 1) (11 x - 2) (-1 + 8 x)}$$

Sequence: A074609
Score: 6.56512
Type of gen. func.: ogf

$$-(25 f(x) + 71) (24 f(x) x^{2} - 11 f(x) x + f(x) + 11 x - 2)$$

Sequence: A074609
Score: 7.26024
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 24 a(n), a(0) = 2, a(1) = 11\}$$

Sequence: A074610
Score: 11.9618
Type of gen. func.: ogf

$$-\frac{2 (6 x - 1)}{(9 x - 1) (3 x - 1)}$$

Sequence: A074610
Score: 13.7168
Type of gen. func.: lgdogf

$$-\frac{6 (27 x^{2} - 9 x + 1)}{(6 x - 1) (3 x - 1) (9 x - 1)}$$

Sequence: A074610
Score: 15.1997
Type of gen. func.: revogf

$$-\frac{-1 - 6 x + (9 x^{2} + 1)^{1/2}}{3 (9 x + 4)}$$

Sequence: A074610
Score: 6.17382
Type of gen. func.: ogf

$$-(13 f(x) + 6) (27 f(x) x^2 - 12 f(x) x + f(x) + 12 x - 2)$$

Sequence: A074610
Score: 6.75489
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 27 a(n), a(0) = 2, a(1) = 12\}$$

Sequence: A074611
Score: 13.3049
Type of gen. func.: ogf

$$-\frac{9 x - 2}{(5 x - 1) (4 x - 1)}$$

Sequence: A074611
Score: 14.2777
Type of gen. func.: lgdogf

$$-\frac{180 x^2 - 80 x + 9}{(4 x - 1) (5 x - 1) (9 x - 2)}$$

Sequence: A074611
Score: 6.72556
Type of gen. func.: ogf

$$-(f(x) + 79) (20 f(x) x^2 - 9 f(x) x + f(x) + 9 x - 2)$$

Sequence: A074611
Score: 7.37381
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) + 20 a(n), a(0) = 2, a(1) = 9\}$$

Sequence: A074612
Score: 11.4212
Type of gen. func.: ogf

$$-\frac{2 (5 x - 1)}{(4 x - 1) (6 x - 1)}$$

Sequence: A074612
Score: 12.7675
Type of gen. func.: lgdogf

$$-\frac{120 x^2 - 48 x + 5}{(6 x - 1) (4 x - 1) (5 x - 1)}$$

Sequence: A074612
Score: 5.89483
Type of gen. func.: ogf

$$-(f(x) + 23) (24 f(x) x^2 - 10 f(x) x + f(x) + 10 x - 2)$$

Sequence: A074612
Score: 6.44964
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 24 a(n), a(0) = 2, a(1) = 10\}$$

Sequence: A074613
Score: 12.1701
Type of gen. func.: ogf

$$-\frac{11 x - 2}{(7 x - 1) (4 x - 1)}$$

Sequence: A074613
Score: 12.7152
Type of gen. func.: lgdogf

$$-\frac{308 x^{2} - 112 x + 11}{(11 x - 2) (7 x - 1) (4 x - 1)}$$

Sequence: A074613
Score: 6.21455
Type of gen. func.: ogf

$$-(9 f(x) + 103) (28 f(x) x^{2} - 11 f(x) x + f(x) + 11 x - 2)$$

Sequence: A074613
Score: 6.87255
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 28 a(n), a(0) = 2, a(1) = 11\}$$

Sequence: A074614
Score: 11.9618
Type of gen. func.: ogf

$$-\frac{13 x - 2}{(9 x - 1) (4 x - 1)}$$

Sequence: A074614
Score: 12.4975
Type of gen. func.: lgdogf

$$-\frac{468 x^{2} - 144 x + 13}{(13 x - 2) (4 x - 1) (9 x - 1)}$$

Sequence: A074614
Score: 13.7168
Type of gen. func.: revogf

$$-\frac{-2 - 13 x + (25 x^{2} + 4)^{1/2}}{2 (36 x + 13)}$$

Sequence: A074614
Score: 6.04385
Type of gen. func.: ogf

$$-(25 f(x) + 119) (36 f(x) x^2 - 13 f(x) x + f(x) + 13 x - 2)$$

Sequence: A074614
Score: 6.75489
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1) + 36 a(n), a(0) = 2, a(1) = 13\}$$

Sequence: A074615
Score: 11.4836
Type of gen. func.: ogf

$$-\frac{11 x - 2}{(6 x - 1) (5 x - 1)}$$

Sequence: A074615
Score: 12.2553
Type of gen. func.: lgdogf

$$-\frac{330 x^2 - 120 x + 11}{(6 x - 1) (5 x - 1) (11 x - 2)}$$

Sequence: A074615
Score: 5.86399
Type of gen. func.: ogf

$$-(f(x) + 119) (30 f(x) x^2 - 11 f(x) x + f(x) + 11 x - 2)$$

Sequence: A074615
Score: 6.48487
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 30 a(n), a(0) = 2, a(1) = 11\}$$

Sequence: A074616
Score: 12.1701
Type of gen. func.: ogf

$$- \frac{2 (6 x - 1)}{(7 x - 1) (5 x - 1)}$$

Sequence: A074616
Score: 13.3066
Type of gen. func.: lgdogf

$$- \frac{2 (105 x^2 - 35 x + 3)}{(6 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A074616
Score: 6.02235
Type of gen. func.: ogf

$$-(109 f(x) + 2374) (35 f(x) x^2 - 12 f(x) x + f(x) + 12 x - 2)$$

Sequence: A074616
Score: 6.87255
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 35 a(n), a(0) = 2, a(1) = 12\}$$

Sequence: A074617
Score: 12.8567
Type of gen. func.: ogf

$$- \frac{13 x - 2}{(8 x - 1) (5 x - 1)}$$

Sequence: A074617
Score: 13.4475
Type of gen. func.: lgdogf

$$-\frac{520 x^2 - 160 x + 13}{(13 x - 2) (8 x - 1) (5 x - 1)}$$

Sequence: A074617
Score: 6.56512
Type of gen. func.: ogf

$$-(9 f(x) + 151) (40 f(x) x^2 - 13 f(x) x + f(x) + 13 x - 2)$$

Sequence: A074617
Score: 7.26024
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1) + 40 a(n), a(0) = 2, a(1) = 13\}$$

Sequence: A074618
Score: 12.0231
Type of gen. func.: ogf

$$-\frac{2 (7 x - 1)}{(9 x - 1) (5 x - 1)}$$

Sequence: A074618
Score: 13.7886
Type of gen. func.: lgdogf

$$-\frac{315 x^2 - 90 x + 7}{(9 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A074618
Score: 16.1524
Type of gen. func.: revogf

$$-\frac{-1 - 7 x + (4 x^2 + 1)^{1/2}}{45 x + 14}$$

Sequence: A074618
Score: 5.94959
Type of gen. func.: ogf

$$-(302 f(x) + 1797) (45 f(x) x^2 - 14 f(x) x + f(x) + 14 x - 2)$$

Sequence: A074618
Score: 6.78953
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1) + 45 a(n), a(0) = 2, a(1) = 14\}$$

Sequence: A074619
Score: 12.2950
Type of gen. func.: ogf

$$- \frac{13 x - 2}{(7 x - 1) (6 x - 1)}$$

Sequence: A074619
Score: 13.1404
Type of gen. func.: lgdogf

$$- \frac{546 x^2 - 168 x + 13}{(6 x - 1) (7 x - 1) (13 x - 2)}$$

Sequence: A074619
Score: 6.27829
Type of gen. func.: ogf

$$-(f(x) + 167) (42 f(x) x^2 - 13 f(x) x + f(x) + 13 x - 2)$$

Sequence: A074619
Score: 6.94305
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1) + 42 a(n), a(0) = 2, a(1) = 13\}$$

Sequence: A074620
Score: 12.9191
Type of gen. func.: ogf

$$-\frac{2(7x-1)}{(8x-1)(6x-1)}$$

Sequence: A074620
Score: 14.4794
Type of gen. func.: lgdogf

$$-\frac{336x^2-96x+7}{(6x-1)(8x-1)(7x-1)}$$

Sequence: A074620
Score: 6.66792
Type of gen. func.: ogf

$$-(f(x)+47)(48f(x)x^2-14f(x)x+f(x)+14x-2)$$

Sequence: A074620
Score: 7.29548
Type of gen. func.: ogf

$$\{a(n+2)-14a(n+1)+48a(n), a(0)=2, a(1)=14\}$$

Sequence: A074621
Score: 12.0231
Type of gen. func.: ogf

$$-\frac{15x-2}{(9x-1)(6x-1)}$$

Sequence: A074621
Score: 12.8485
Type of gen. func.: lgdogf

$$-\frac{3\,(270\,x^2 - 72\,x + 5)}{(6\,x - 1)\,(9\,x - 1)\,(15\,x - 2)}$$

Sequence: A074621
Score: 14.4957
Type of gen. func.: revogf

$$-\frac{-2 - 15\,x + (9\,x^2 + 4)^{1/2}}{6\,(18\,x + 5)}$$

Sequence: A074621
Score: 6.07484
Type of gen. func.: ogf

$$-(38\,f(x) + 549)\,(54\,f(x)\,x^2 - 15\,f(x)\,x + f(x) + 15\,x - 2)$$

Sequence: A074621
Score: 6.78953
Type of gen. func.: ogf

$$\{a(n + 2) - 15\,a(n + 1) + 54\,a(n),\ a(0) = 2,\ a(1) = 15\}$$

Sequence: A074622
Score: 12.9815
Type of gen. func.: ogf

$$-\frac{15\,x - 2}{(7\,x - 1)\,(8\,x - 1)}$$

Sequence: A074622
Score: 13.5806
Type of gen. func.: lgdogf

$$-\frac{840\,x^2 - 224\,x + 15}{(15\,x - 2)\,(8\,x - 1)\,(7\,x - 1)}$$

Sequence: A074622
Score: 6.62885
Type of gen. func.: ogf

$$-(f(x) + 223) (56 f(x) x^2 - 15 f(x) x + f(x) + 15 x - 2)$$

Sequence: A074622
Score: 7.33073
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1) + 56 a(n), a(0) = 2, a(1) = 15\}$$

Sequence: A074623
Score: 12.0845
Type of gen. func.: ogf

$$-\frac{2 (8 x - 1)}{(7 x - 1) (9 x - 1)}$$

Sequence: A074623
Score: 12.9154
Type of gen. func.: lgdogf

$$-\frac{2 (252 x^2 - 63 x + 4)}{(8 x - 1) (7 x - 1) (9 x - 1)}$$

Sequence: A074623
Score: 5.97994
Type of gen. func.: ogf

$$-(193 f(x) + 7806) (63 f(x) x^2 - 16 f(x) x + f(x) + 16 x - 2)$$

Sequence: A074623
Score: 6.82418
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1) + 63 a(n), a(0) = 2, a(1) = 16\}$$

Sequence: A074624
Score: 12.1458
Type of gen. func.: ogf

$$-\frac{17 x - 2}{(8 x - 1) (9 x - 1)}$$

Sequence: A074624
Score: 12.4179
Type of gen. func.: lgdogf

$$-\frac{1224 x^2 - 288 x + 17}{(17 x - 2) (8 x - 1) (9 x - 1)}$$

Sequence: A074624
Score: 15.0321
Type of gen. func.: revogf

$$-\frac{-2 - 17 x + (x^2 + 4)^{1/2}}{2 (72 x + 17)}$$

Sequence: A074624
Score: 6.20212
Type of gen. func.: ogf

$$-(f(x) + 287) (72 f(x) x^2 - 17 f(x) x + f(x) + 17 x - 2)$$

Sequence: A074624
Score: 6.85881
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1) + 72 a(n), a(0) = 2, a(1) = 17\}$$

Sequence: A074662

Score: 13.8640
Type of gen. func.: ogf

$$\frac{x-2}{(x^2+1)(x^2+x-1)}$$

Sequence: A074662
Score: 15.3243
Type of gen. func.: lgdogf

$$-\frac{3x^4-6x^3-6x^2-1}{(x-2)(x^2+1)(x^2+x-1)}$$

Sequence: A074662
Score: 6.86722
Type of gen. func.: ogf

$$(670 f(x) - 851) (f(x) x^4 + f(x) x^3 + f(x) x - f(x) - x + 2)$$

Sequence: A074677
Score: 17.9077
Type of gen. func.: ogf

$$-\frac{x}{(x^2+1)(x^2+x-1)}$$

Sequence: A074677
Score: 21.0061
Type of gen. func.: lgdogf

$$-\frac{(x+1)(4x^2-x+1)}{(x^2+1)(x^2+x-1)}$$

Sequence: A074677
Score: 7.82374

Type of gen. func.: ogf

$$-(f(x) + 1) (f(x) x^4 + f(x) x^3 + f(x) x - f(x) + x)$$

Sequence: A074678
Score: 10.2213
Type of gen. func.: ogf

$$\frac{(x + 3) (x - 1)}{(x^2 + 1) (x^3 + x^2 + x - 1)}$$

Sequence: A074678
Score: 9.26257
Type of gen. func.: lgdogf

$$-\frac{3 x^6 + 10 x^5 - 7 x^4 - 4 x^3 - 19 x^2 + 2 x - 1}{(x - 1) (x + 3) (x^2 + 1) (x^3 + x^2 + x - 1)}$$

Sequence: A074701
Score: 16.5402
Type of gen. func.: ogf

$$-5 f(x) x + 10 x^2 + f(x) + 2 x - 1$$

Sequence: A074702
Score: 4.52941
Type of gen. func.: ogf

$$\{(n^2 + 6 n + 8) a(n + 1) + (n^2 + 9 n + 18) a(n + 2) - a(n + 3), a(0) = 1,$$

$$a(1) = 4, a(2) = 43\}$$

Sequence: A074703
Score: 3.08467
Type of gen. func.: ogf

2 2

$\{(n + 6 n + 9) a(n + 1) + (-n - 8 n - 17) a(n + 2) + a(n + 3), a(0) = 0,$
$a(1) = 1, a(2) = 10\}$

Sequence: A074742
Score: 11.0004
Type of gen. func.: ogf

$$- \frac{3 x^3 - 7 x^2 + 5 x - 2}{(x - 1)^4}$$

Sequence: A074742
Score: 18.4807
Type of gen. func.: lgdogf

$$- \frac{3 x^3 - 5 x^2 + x - 3}{(x - 1) (3 x^3 - 7 x^2 + 5 x - 2)}$$

Sequence: A074742
Score: 4.27794
Type of gen. func.: ogf

$\{(287 n^2 + 1849 n + 2550) a(n + 1) + (-634 n^2 - 3572 n - 4320) a(n + 2)$
$+ (347 n^2 + 1543 n + 1506) a(n + 3), a(0) = 2, a(1) = 3, a(2) = 7\}$

Sequence: A074742
Score: 6.00732
Type of gen. func.: ogf

$(83 f(x) + 1240)$
$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 3 x^3 - 4 f(x) x - 7 x^2 + f(x) + 5 x - 2)$

Sequence: A074752
Score: 6.94372
Type of gen. func.: ogf

$$-\frac{x^6 - x - 1}{(x^2 - x + 1)(x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4}$$

Sequence: A074752
Score: 7.29595
Type of gen. func.: lgdogf

$$-(6 x^{11} + x^{10} + 3 x^9 + 4 x^8 + 3 x^7 - 10 x^6 - 7 x^5 - 4 x^4 - 7 x^3 - 7 x^2 - 4 x - 2) \Big/ ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^6 - x - 1))$$

Sequence: A074764
Score: 14.6748
Type of gen. func.: ogf

$$-\frac{x^3 + x^2 - 2 x - 1}{(x - 1)^2}$$

Sequence: A074764
Score: 25.0889
Type of gen. func.: lgdogf

$$\frac{(x + 1) (x - 2)^2}{(x - 1) (x^3 + x^2 - 2 x - 1)}$$

Sequence: A074764
Score: 7.85231
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) + a(n + 2), a(0) = 1, a(1) = 4, a(2) = 6, a(3) = 7\}$$

Sequence: A074764
Score: 8.77611
Type of gen. func.: ogf

$$(3 f(x) + 61) (f(x) x^2 + x^3 - 2 f(x) x + x^2 + f(x) - 2 x - 1)$$

Sequence: A074768
Score: 6.66920
Type of gen. func.: revegf]

$$-16 a(n + 1) + (4 n^2 + 14 n + 4) a(n + 2) + (n^2 + 6 n + 8) a(n + 3), a(0) = 0,$$
$$a(1) = 1, a(2) = 2$$

Sequence: A074790
Score: 3.26499
Type of gen. func.: ogf

$$\{(4 n^2 + 18 n + 20) a(n + 1) + (4 n^2 + 26 n + 41) a(n + 2) - a(n + 3), a(0) = 1,$$
$$a(1) = 5, a(2) = 101\}$$

Sequence: A074825
Score: 6.91738
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^8 - 24 x^7 + 72 x^6 - 106 x^5 + 100 x^4 - 72 x^3 + 41 x^2 - 14 x + 2)}{(3 x^4 - 12 x^3 + 21 x^2 - 16 x + 5) (2 x^5 - 3 x^4 + 6 x^3 - 7 x^2 + 4 x - 1)}$$

Sequence: A074825
Score: 8.33615
Type of gen. func.: ogf

$$-\frac{3 x^4 - 12 x^3 + 21 x^2 - 16 x + 5}{2 x^5 - 3 x^4 + 6 x^3 - 7 x^2 + 4 x - 1}$$

Sequence: A074826
Score: 6.43251
Type of gen. func.: lgdogf

$$-2 (30 x^8 - 160 x^7 + 420 x^6 - 642 x^5 + 605 x^4 - 360 x^3 + 135 x^2 - 30 x + 3) \Big/ \left((15 x^4 - 40 x^3 + 45 x^2 - 24 x + 5) (4 x^5 - 15 x^4 + 20 x^3 - 15 x^2 + 6 x - 1)\right)$$

Sequence: A074826
Score: 7.90211
Type of gen. func.: ogf

$$-\frac{15 x^4 - 40 x^3 + 45 x^2 - 24 x + 5}{4 x^5 - 15 x^4 + 20 x^3 - 15 x^2 + 6 x - 1}$$

Sequence: A074837
Score: 10.3228
Type of gen. func.: ogf

$$\frac{6 (x^4 + 2 x^3 + 4 x^2 + 2 x + 1)}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A074837
Score: 8.90043
Type of gen. func.: lgdogf

$$-\frac{x^7 + 5 x^6 + 15 x^5 + 15 x^4 + 17 x^3 + 13 x^2 + 11 x + 3}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 2 x^3 + 4 x^2 + 2 x + 1)}$$

Sequence: A074842
Score: 10.6438
Type of gen. func.: ogf

$$-\frac{111 (810 x^{10} - 900 x^9 - 1)}{(x - 1)^2}$$

Sequence: A074842
Score: 11.8299
Type of gen. func.: lgdogf

$$\frac{2\,(3240\,x^{10} - 7200\,x^{9} + 4050\,x^{8} + 1)}{(x - 1)\,(810\,x^{10} - 900\,x^{9} - 1)}$$

Sequence: A074843
Score: 8.35169
Type of gen. func.: ogf

$$-\frac{101\,(89910\,x^{10} - 99900\,x^{9} - 11)}{(x - 1)^{2}}$$

Sequence: A074843
Score: 8.40485
Type of gen. func.: lgdogf

$$\frac{2\,(359640\,x^{10} - 799200\,x^{9} + 449550\,x^{8} + 11)}{(x - 1)\,(89910\,x^{10} - 99900\,x^{9} - 11)}$$

Sequence: A074872
Score: 10.3630
Type of gen. func.: ogf

$$\{-a(n + 2) + 5\,a(n),\ a(0) = 1,\ a(1) = 1\}$$

Sequence: A074872
Score: 14.1224
Type of gen. func.: revegf]

$$1/5\;5^{1/2}\left(-\operatorname{arcsinh}(1/2) + \operatorname{arcsinh}\left(\frac{5\,x}{2} + 1/2\right)\right)$$

Sequence: A074872
Score: 16.1764
Type of gen. func.: ogf

$$-\frac{x + 1}{5 x^{2} - 1}$$

Sequence: A074872
Score: 20.9558
Type of gen. func.: lgdogf

$$-\frac{5 x^{2} + 10 x + 1}{(x + 1) (5 x^{2} - 1)}$$

Sequence: A074872
Score: 9.61208
Type of gen. func.: ogf

$$(30 f(x) - 29) (5 f(x) x^{2} - f(x) + x + 1)$$

Sequence: A074877
Score: 10.6661
Type of gen. func.: ogf

$$\frac{8 x^{2} - 14 x + 15}{(4 x - 1) (2 x - 1) (x - 1)^{2}}$$

Sequence: A074877
Score: 3.62150
Type of gen. func.: ogf

$$\{(72 n + 344) a(n + 1) + (-126 n - 530) a(n + 2) + (63 n + 247) a(n + 3) + (-9 n - 34) a(n + 4), a(0) = 15, a(1) = 106, a(2) = 541, a(3) = 2432\}$$

Sequence: A074877
Score: 5.08904
Type of gen. func.: ogf

$$(79332793551 f(x) + 77036821712)$$

$$(8 f(x) x^4 - 22 f(x) x^3 + 21 f(x) x^2 - 8 f(x) x - 8 x^2 + f(x) + 14 x - 15)$$

Sequence: A074877
Score: 7.79397
Type of gen. func.: lgdogf

$$- \frac{2 (64 x^4 - 192 x^3 + 356 x^2 - 254 x + 53)}{(x - 1) (4 x - 1) (2 x - 1) (8 x^2 - 14 x + 15)}$$

Sequence: A074878
Score: 3.14624
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - a(n + 1) - 2 a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A074878
Score: 5.77670
Type of gen. func.: ogf

$$\frac{x^2 - x + 1}{(2 x - 1) (x^2 + x - 1)}$$

Sequence: A074878
Score: 6.66695
Type of gen. func.: lgdogf

$$- \frac{2 (x^4 - 2 x^3 + 4 x^2 - 1)}{(2 x - 1) (x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A074878

Score: 7.29803
Type of gen. func.: ogf

$$-(f(x) - 9) (2 f(x) x^3 + f(x) x^2 - 3 f(x) x - x^2 + f(x) + x - 1)$$

Sequence: A074922
Score: 4.33371
Type of gen. func.: ogf

$$\{(-4 n^2 - 14 n - 12) a(n + 1) + (n^2 + 3 n - 4) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 3\}$$

Sequence: A074991
Score: 7.00186
Type of gen. func.: lgdogf

$$\frac{192000 x^{10} - 412620 x^9 + 205920 x^8 + 21360 x^7 + 33 x + 41}{(x - 1) (24000 x^{10} - 24660 x^9 - 2670 x^8 - 33 x - 4)}$$

Sequence: A074991
Score: 8.54151
Type of gen. func.: ogf

$$-\frac{24000 x^{10} - 24660 x^9 - 2670 x^8 - 33 x - 4}{(x - 1)^2}$$

Sequence: A074992
Score: 10.0121
Type of gen. func.: ogf

$$-\frac{370 x^2 - 74 x + 1}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A074992
Score: 5.46116

Type of gen. func.: ogf

$(977801 f(x) - 148187)$

$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 370 x^2 - f(x) - 74 x + 1)$

Sequence: A074992
Score: 5.81349
Type of gen. func.: ogf

$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 1, a(1) = 37,$

$a(2) = 3367\}$

Sequence: A074993
Score: 5.05106
Type of gen. func.: lgdogf

$$\frac{2520 x^{11} - 630 x^{10} - 5580 x^9 + 810 x^8 + 3240 x^7 + 10 x^2 + 23 x + 11}{(x - 1) (x + 1) (360 x^{10} - 45 x^9 - 405 x^8 - 5 x - 6)}$$

Sequence: A074993
Score: 6.14900
Type of gen. func.: ogf

$$- \frac{x (360 x^{10} - 45 x^9 - 405 x^8 - 5 x - 6)}{(x + 1) (x - 1)^2}$$

Sequence: A075003
Score: 6.91522
Type of gen. func.: lgdogf

$$(4050 x^{13} - 810 x^{12} - 8820 x^{11} + 990 x^{10} + 4950 x^9 + x^3 + 11 x^2 + 22 x + 10) \Big/ ((x - 1) (x + 1) (450 x^{12} - 45 x^{11} - 495 x^{10} - x^2 - 5 x - 5))$$

Sequence: A075003
Score: 8.86630
Type of gen. func.: ogf

$$-\frac{450 x^{12} - 45 x^{11} - 495 x^{10} - x^{2} - 5 x - 5}{(x + 1) (x - 1)^{2}}$$

Sequence: A075004
Score: 7.13191
Type of gen. func.: lgdogf

$$\frac{299700 x^{11} - 632940 x^{10} + 310200 x^{9} + 29700 x^{8} - 33 x + 107}{(x - 1) (33300 x^{11} - 33330 x^{10} - 3300 x^{9} + 33 x - 70)}$$

Sequence: A075004
Score: 8.83082
Type of gen. func.: ogf

$$-\frac{33300 x^{11} - 33330 x^{10} - 3300 x^{9} + 33 x - 70}{(x - 1)^{2}}$$

Sequence: A075045
Score: 7.07848
Type of gen. func.: lgdogf

$$-324 + 3375 x + (6075 x^{2} - 1035 x + 36) f(x) + (3645 x^{3} - 864 x^{2} + 48 x) f(x)^{2}$$

$$+ (729 x^{4} - 216 x^{3} + 16 x^{2}) f(x)^{3}$$

Sequence: A075091
Score: 12.4973
Type of gen. func.: ogf

$$-\frac{2 (3 x^{2} - 2)}{(x^{2} + x - 1) (x^{2} - x - 1)}$$

Sequence: A075091
Score: 14.4137
Type of gen. func.: lgdogf

$$-\frac{2 x (3 x^4 - 4 x^2 + 3)}{(3 x^2 - 2) (x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A075091
Score: 6.97216
Type of gen. func.: ogf

$$-(40 f(x) - 79) (f(x) x^4 - 3 f(x) x^2 + 6 x^2 + f(x) - 4)$$

Sequence: A075092
Score: 7.23449
Type of gen. func.: lgdogf

$$-\frac{2 x (x^8 + 9 x^7 + 4 x^6 - x^5 - 10 x^4 - x^3 + 4 x^2 + 9 x + 1)}{(x^3 + x^2 + x - 1) (x^3 - x^2 - x - 1) (x^4 + 6 x^3 + 2 x^2 - 3)}$$

Sequence: A075092
Score: 8.28285
Type of gen. func.: ogf

$$-\frac{2 (x^4 + 6 x^3 + 2 x^2 - 3)}{(x^3 + x^2 + x - 1) (x^3 - x^2 - x - 1)}$$

Sequence: A075111
Score: 14.1488
Type of gen. func.: ogf

$$-\frac{x}{(x^2 + 1) (x^3 + x^2 + x - 1)}$$

Sequence: A075111
Score: 15.5143
Type of gen. func.: lgdogf

$$-\frac{5 x^4 + 4 x^3 + 6 x^2 + 1}{(x^2 + 1) (x^3 + x^2 + x - 1)}$$

Sequence: A075112
Score: 10.4929
Type of gen. func.: ogf

$$\frac{x^3 + 2 x^2 + 3 x - 4}{(x^2 + 1) (x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A075112
Score: 8.89964
Type of gen. func.: lgdogf

$$-\frac{3 x^8 + 10 x^7 + 23 x^6 - 4 x^5 + 2 x^4 - 22 x^3 - 23 x^2 + 4 x - 1}{(x^2 + 1) (x^3 + 2 x^2 + 3 x - 4) (x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A075114
Score: 2.837
Type of gen. func.: ogf

$$-(283828363043 f(x) - 1129367717587008) (f(x) x^3 - 117 x^4 - 35 f(x) x^2 + 4091 x^3 + 35 f(x) x - 3951 x^2 - f(x) - 19 x + 4)$$

Sequence: A075114
Score: 3.01656
Type of gen. func.: ogf

{-a(n + 5) + 35 a(n + 4) - 35 a(n + 3) + a(n + 2), a(0) = 4, a(1) = 121,

$a(2) = 144, a(3) = 4900, a(4) = 166464\}$

Sequence: A075114
Score: 5.41610
Type of gen. func.: ogf

$$\frac{117 x^4 - 4091 x^3 + 3951 x^2 + 19 x - 4}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A075115
Score: 11.5722
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^4 - 8 x^3 + 11 x^2 - 4 x + 1)}{(2 x^2 - 4 x + 3) (2 x^3 - 2 x^2 + 2 x - 1)}$$

Sequence: A075115
Score: 12.1318
Type of gen. func.: ogf

$$- \frac{2 x^2 - 4 x + 3}{2 x^3 - 2 x^2 + 2 x - 1}$$

Sequence: A075115
Score: 6.43513
Type of gen. func.: ogf

$$-(3 f(x) - 5) (2 f(x) x^3 - 2 f(x) x^2 + 2 f(x) x + 2 x^2 - f(x) - 4 x + 3)$$

Sequence: A075115
Score: 6.66702
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + 2 a(n + 1) - 2 a(n), a(0) = 3, a(1) = 2, a(2) = 0\}$$

Sequence: A075116
Score: 4.19208
Type of gen. func.: ogf

$$-(17453 f(x) + 9341) \left(f(x) x^4 - 6 f(x) x^3 + 8 f(x) x^2 + 6 x^3 - 5 f(x) x - 16 x^2 + f(x) + 15 x - 4 \right)$$

Sequence: A075116
Score: 6.84201
Type of gen. func.: lgdogf

$$-\frac{6 x^6 - 32 x^5 + 93 x^4 - 136 x^3 + 94 x^2 - 32 x + 5}{(6 x^3 - 16 x^2 + 15 x - 4) (x^4 - 6 x^3 + 8 x^2 - 5 x + 1)}$$

Sequence: A075116
Score: 7.95966
Type of gen. func.: ogf

$$-\frac{6 x^3 - 16 x^2 + 15 x - 4}{x^4 - 6 x^3 + 8 x^2 - 5 x + 1}$$

Sequence: A075118
Score: 17.7908
Type of gen. func.: ogf

$$\frac{x - 2}{3 x^2 + x - 1}$$

Sequence: A075118
Score: 23.1389
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 12 x - 1}{}$$

$$(x - 2)\,(3 x^2 + x - 1)$$

Sequence: A075118
Score: 8.99534
Type of gen. func.: ogf

$$(104 f(x) - 207)\,(3 f(x) x^2 + f(x) x - f(x) - x + 2)$$

Sequence: A075118
Score: 9.76324
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 3 a(n),\ a(0) = 2,\ a(1) = 1\}$$

Sequence: A075122
Score: 5.70657
Type of gen. func.: ogf

$$-(5 x^{23} - 4 x^{22} + 19 x^{21} + 18 x^{20} - 38 x^{19} + x^{16} + 3 x^{15} - 4 x^{14} + 4 x^7 + x^6 - 4 x^5 - x^4 - 1) \Big/ (x - 1)^2$$

Sequence: A075123
Score: 11.2196
Type of gen. func.: ogf

$$\frac{2 x^5 + 2 x^4 + 2 x^3 + x + 1}{(x + 1)\,(x - 1)^2}$$

Sequence: A075123
Score: 12.1075
Type of gen. func.: lgdogf

$$\frac{2\,(2 x^6 - 6 x^4 - 5 x^3 - 4 x^2 - 2 x - 1)}{(x - 1)\,(x + 1)\,(2 x^5 + 2 x^4 + 2 x^3 + x + 1)}$$

Sequence: A075127
Score: 2.93644
Type of gen. func.: ogf

$$(2270626904344 f(x) - 18069814612986795) (f(x) x^3 - 234 x^4 - 35 f(x) x^2 + 8182 x^3 + 35 f(x) x - 7901 x^2 - f(x) - 72 x + 9)$$

Sequence: A075127
Score: 3.08512
Type of gen. func.: ogf

$$\{a(n + 5) - 35 a(n + 4) + 35 a(n + 3) - a(n + 2), a(0) = 9, a(1) = 243, a(2) = 289, a(3) = 9801, a(4) = 332929\}$$

Sequence: A075127
Score: 5.53919
Type of gen. func.: ogf

$$\frac{234 x^4 - 8182 x^3 + 7901 x^2 + 72 x - 9}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A075128
Score: 4.89469
Type of gen. func.: ogf

$$-(1126 f(x) + 155) (3 f(x) x^4 - 2 f(x) x^3 - 2 f(x) x^2 + 2 x^3 + 3 f(x) x + 4 x^2 - f(x) - 9 x + 4)$$

Sequence: A075128
Score: 8.54151
Type of gen. func.: lgdogf

$$(6 x^4 + 36 x^3 - 19 x^2 - 2 x + 3) (x - 1)^2$$

$$-\frac{}{(2x^3+4x^2-9x+4)(3x^4-2x^3-2x^2+3x-1)}$$

Sequence: A075128
Score: 9.28084
Type of gen. func.: ogf

$$-\frac{2x^3+4x^2-9x+4}{3x^4-2x^3-2x^2+3x-1}$$

Sequence: A075129
Score: 4.68814
Type of gen. func.: ogf

$$(3941 f(x)+6136)(3 f(x) x^4-10 f(x) x^3+10 f(x) x^2+10 x^3-5 f(x) x - 20 x^2+f(x)+15 x-4)$$

Sequence: A075129
Score: 6.87111
Type of gen. func.: lgdogf

$$-\frac{30x^6-120x^5+235x^4-248x^3+140x^2-40x+5}{(10x^3-20x^2+15x-4)(3x^4-10x^3+10x^2-5x+1)}$$

Sequence: A075129
Score: 8.46152
Type of gen. func.: ogf

$$-\frac{10x^3-20x^2+15x-4}{3x^4-10x^3+10x^2-5x+1}$$

Sequence: A075150
Score: 12.8800
Type of gen. func.: ogf

$$\frac{x^2 - 7 x - 4}{(x - 1) (x^2 + 3 x + 1)}$$

Sequence: A075150
Score: 14.4402
Type of gen. func.: lgdogf

$$- \frac{x^4 - 14 x^3 - 24 x^2 - 14 x + 1}{(x - 1) (x^2 + 3 x + 1) (x^2 - 7 x - 4)}$$

Sequence: A075150
Score: 6.83197
Type of gen. func.: ogf

$$(115 f(x) - 187) (f(x) x^3 + 2 f(x) x^2 - 2 f(x) x - x^2 - f(x) + 7 x + 4)$$

Sequence: A075150
Score: 7.01497
Type of gen. func.: ogf

$$\{-a(n + 3) - 2 a(n + 2) + 2 a(n + 1) + a(n), a(0) = 4, a(1) = -1, a(2) = 9\}$$

Sequence: A075151
Score: 4.90292
Type of gen. func.: ogf

$$-(13625 f(x) - 24121)$$

$$(f(x) x^4 - 3 f(x) x^3 - 6 f(x) x^2 + x^3 + 3 f(x) x + 24 x^2 + f(x) - 23 x - 8)$$

Sequence: A075151
Score: 8.80567
Type of gen. func.: lgdogf

$$x^6 + 48 x^5 - 135 x^4 + 100 x^3 + 135 x^2 + 48 x - 1$$

$$-\frac{}{(x^2+x-1)\,(x^2-4x-1)\,(x^3+24x^2-23x-8)}$$

Sequence: A075151
Score: 9.37142
Type of gen. func.: ogf

$$-\frac{x^3+24x^2-23x-8}{(x^2+x-1)\,(x^2-4x-1)}$$

Sequence: A075155
Score: 5.03634
Type of gen. func.: ogf

$$(13625\,f(x)-24121)$$

$$(f(x)\,x^4+3\,f(x)\,x^3-6\,f(x)\,x^2-x^3-3\,f(x)\,x+24\,x^2+f(x)+23\,x-8)$$

Sequence: A075155
Score: 6.95574
Type of gen. func.: lgdogf

$$-\frac{x^6-48x^5-135x^4-100x^3+135x^2-48x-1}{(x^2+4x-1)\,(x^2-x-1)\,(x^3-24x^2-23x+8)}$$

Sequence: A075155
Score: 7.81889
Type of gen. func.: ogf

$$\frac{x^3-24x^2-23x+8}{(x^2+4x-1)\,(x^2-x-1)}$$

Sequence: A075156
Score: 6.51620
Type of gen. func.: ogf

$$-\frac{7 x^4 - 28 x^3 + 39 x^2 - 24 x + 5}{2 x^5 - 7 x^4 + 14 x^3 - 13 x^2 + 6 x - 1}$$

Sequence: A075183
Score: 2.96499
Type of gen. func.: ogf

$$\{(-n^2 - 8 n - 15) a(n + 1) + (3 n^2 + 34 n + 89) a(n + 2) + (-3 n - 9) a(n + 3),$$

$$a(0) = 1, a(1) = 11, a(2) = 105\}$$

Sequence: A075183
Score: 5.60415
Type of gen. func.: egf]

$$\frac{3 x^2 + 10 x + 2}{2 (x - 1)^6}$$

Sequence: A075184
Score: 8.88256
Type of gen. func.: lgdegf]

$$-\frac{10 (2 x^3 + 27 x^2 + 45 x + 10)}{(x - 1) (4 x^3 + 43 x^2 + 52 x + 6)}$$

Sequence: A075185
Score: 5.79800
Type of gen. func.: lgdegf]

$$-\frac{2 (15 x^4 + 486 x^3 + 2092 x^2 + 1858 x + 274)}{(x - 1) (5 x^4 + 136 x^3 + 472 x^2 + 308 x + 24)}$$

Sequence: A075186

Score: 5.23556
Type of gen. func.: lgdegf]

$$-\frac{14\,(x^5 + 71\,x^4 + 642\,x^3 + 1388\,x^2 + 784\,x + 84)}{(x - 1)\,(2\,x^5 + 123\,x^4 + 944\,x^3 + 1660\,x^2 + 696\,x + 40)}$$

Sequence: A075193
Score: 10.0525
Type of gen. func.: ogf

$$\{-a(n + 2) - a(n + 1) + a(n),\ a(0) = 1,\ a(1) = -3\}$$

Sequence: A075193
Score: 13.0841
Type of gen. func.: ogf

$$-f(x)\,x^2 + f(x)\,x + f(x) + 2\,x - 1$$

Sequence: A075193
Score: 18.3178
Type of gen. func.: ogf

$$\frac{2\,x - 1}{x^2 - x - 1}$$

Sequence: A075193
Score: 23.7636
Type of gen. func.: revogf

$$\frac{x - 1 + (5\,x^2 - 10\,x + 1)^{1/2}}{2\,(x - 2)}$$

Sequence: A075193
Score: 27.4767
Type of gen. func.: lgdogf

2

$$-\frac{2 x - 2 x + 3}{(2 x - 1) (x^2 - x - 1)}$$

Sequence: A075194
Score: 10.4523
Type of gen. func.: ogf

$$-\frac{5 x^4 - 15 x^2 + 16 x - 5}{4 x^5 - 5 x^4 + 5 x^2 - 4 x + 1}$$

Sequence: A075194
Score: 9.60798
Type of gen. func.: lgdogf

$$-\frac{4 (5 x^5 + 15 x^4 - 15 x^3 + 4 x^2 + 2 x - 1) (x - 1)^3}{(4 x^5 - 5 x^4 + 5 x^2 - 4 x + 1) (5 x^4 - 15 x^2 + 16 x - 5)}$$

Sequence: A075253
Score: 4.66001
Type of gen. func.: ogf

$$- (504 x^{10} + 632 x^9 - 44 x^8 - 348 x^7 - 672 x^6 - 636 x^5 + 96 x^4 + 186 x^3 + 36 x^2 + 166 x + 77) / ((x - 1) (x + 1) (2 x^2 - 1) (2 x^4 - 1))$$

Sequence: A075269
Score: 12.2548
Type of gen. func.: ogf

$$-\frac{2 x^2 + x + 2}{(x - 1) (x^2 + 3 x + 1)}$$

Sequence: A075269

Score: 6.38923
Type of gen. func.: ogf

$$-(25 f(x) + 22) (f(x) x^3 + 2 f(x) x^2 - 2 f(x) x + 2 x^2 - f(x) + x + 2)$$

Sequence: A075269
Score: 6.61541
Type of gen. func.: ogf

$$\{a(n + 3) + 2 a(n + 2) - 2 a(n + 1) - a(n), a(0) = 2, a(1) = -3, a(2) = 12\}$$

Sequence: A075270
Score: 11.3894
Type of gen. func.: lgdogf

$$-\frac{3 x^6 - 4 x^5 + 3 x^4 + 12 x^3 - 3 x^2 - 14 x + 2}{(x + 1) (3 x^2 - 5 x + 3) (x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A075270
Score: 13.1097
Type of gen. func.: ogf

$$\frac{(x + 1) (3 x^2 - 5 x + 3)}{(x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A075270
Score: 7.96384
Type of gen. func.: ogf

$$-(80 f(x) + 99) (f(x) x^4 - 3 f(x) x^2 - 3 x^3 + 2 x^2 + f(x) + 2 x - 3)$$

Sequence: A075298
Score: 14.8502
Type of gen. func.: ogf

$$\frac{(3 x + 1) (x - 1)}{}$$

$$x^3 - x^2 - x - 1$$

Sequence: A075298
Score: 18.2090
Type of gen. func.: lgdogf

$$-\frac{(x+1)(3x^3 - 7x^2 + 9x - 1)}{(x-1)(3x+1)(x^3 - x^2 - x - 1)}$$

Sequence: A075298
Score: 7.87705
Type of gen. func.: ogf

$$(209 f(x) + 131) (f(x) x^3 - f(x) x^2 - f(x) x - 3 x^2 - f(x) + 2 x + 1)$$

Sequence: A075298
Score: 8.08804
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 1, a(2) = -5\}$$

Sequence: A075328
Score: 16.2749
Type of gen. func.: ogf

$$\frac{3x + 2}{(x+1)(x-1)^2}$$

Sequence: A075328
Score: 24.8842
Type of gen. func.: lgdogf

$$-\frac{6x^2 + 9x + 5}{(x-1)(3x+2)(x+1)}$$

Sequence: A075328
Score: 7.70152
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 5, a(2) = 7\}$$

Sequence: A075328
Score: 7.84156
Type of gen. func.: ogf

$$-(45 f(x) - 146) (f(x) x^3 - f(x) x^2 - f(x) x + f(x) - 3 x - 2)$$

Sequence: A075374
Score: 3.29855
Type of gen. func.: ogf

$$\{(-4 - 2 n) a(n + 1) + (2 n^2 + 7 n + 4) a(n + 2) + (n^2 + 5 n + 8) a(n + 3) + (-n - 4) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 1, a(3) = 0\}$$

Sequence: A075411
Score: 10.2502
Type of gen. func.: ogf

$$-\frac{4 x (10 x + 1)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A075411
Score: 5.59101
Type of gen. func.: ogf

$$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 0, a(1) = 4, a(2) = 484\}$$

Sequence: A075411
Score: 5.73315
Type of gen. func.: ogf

3 2 2

$(121 f(x) + 4) (1000 f(x) x - 1110 f(x) x + 111 f(x) x + 40 x - f(x) + 4 x)$

Sequence: A075411
Score: 6.01041
Type of gen. func.: lgdogf

$$-\frac{20000 x^3 - 8100 x^2 - 2220 x + 121}{(x - 1) (10 x + 1) (100 x - 1) (10 x - 1)}$$

Sequence: A075412
Score: 3.59513
Type of gen. func.: ogf

$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 0, a(1) = 9,$

$a(2) = 1089\}$

Sequence: A075412
Score: 3.717
Type of gen. func.: ogf

$(121 f(x) + 9) (1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 90 x^2 - f(x) + 9 x)$

Sequence: A075412
Score: 6.52896
Type of gen. func.: lgdogf

$$-\frac{20000 x^3 - 8100 x^2 - 2220 x + 121}{(x - 1) (10 x + 1) (100 x - 1) (10 x - 1)}$$

Sequence: A075412
Score: 6.64555
Type of gen. func.: ogf

$$-\frac{9 x (10 x + 1)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A075413
Score: 3.58676
Type of gen. func.: ogf

$$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 0, a(1) = 16, a(2) = 1936\}$$

Sequence: A075413
Score: 3.64604
Type of gen. func.: ogf

$$(121 f(x) + 16) (1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 160 x^2 - f(x) + 16 x)$$

Sequence: A075413
Score: 6.48781
Type of gen. func.: ogf

$$-\frac{16 x (10 x + 1)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A075413
Score: 6.56783
Type of gen. func.: lgdogf

$$-\frac{20000 x^3 - 8100 x^2 - 2220 x + 121}{(x - 1) (10 x + 1) (100 x - 1) (10 x - 1)}$$

Sequence: A075414
Score: 3.58676
Type of gen. func.: ogf

$$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 0, a(1) = 25, a(2) = 3025\}$$

Sequence: A075414
Score: 3.64604
Type of gen. func.: ogf

$$(121 f(x) + 25)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 250 x^2 - f(x) + 25 x)$$

Sequence: A075414
Score: 6.48781
Type of gen. func.: ogf

$$-\frac{25 x (10 x + 1)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A075414
Score: 6.56783
Type of gen. func.: lgdogf

$$-\frac{20000 x^3 - 8100 x^2 - 2220 x + 121}{(x - 1) (10 x + 1) (100 x - 1) (10 x - 1)}$$

Sequence: A075415
Score: 3.58676
Type of gen. func.: ogf

$$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 0, a(1) = 36, a(2) = 4356\}$$

Sequence: A075415
Score: 5.10277
Type of gen. func.: ogf

$$(121 f(x) + 36)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 360 x^2 - f(x) + 36 x)$$

Sequence: A075415
Score: 6.48781
Type of gen. func.: ogf

$$36 x (10 x + 1)$$

$$- \frac{}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A075415
Score: 6.56783
Type of gen. func.: lgdogf

$$- \frac{20000 x^3 - 8100 x^2 - 2220 x + 121}{(x - 1) (10 x + 1) (100 x - 1) (10 x - 1)}$$

Sequence: A075416
Score: 3.58676
Type of gen. func.: ogf

$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 0, a(1) = 49,$

$a(2) = 5929\}$

Sequence: A075416
Score: 3.64604
Type of gen. func.: ogf

$(121 f(x) + 49)$

$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 490 x^2 - f(x) + 49 x)$

Sequence: A075416
Score: 6.48781
Type of gen. func.: ogf

$$- \frac{49 x (10 x + 1)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A075416
Score: 6.56783
Type of gen. func.: lgdogf

$$- \frac{20000 x^3 - 8100 x^2 - 2220 x + 121}{(x - 1) (10 x + 1) (100 x - 1) (10 x - 1)}$$

Sequence: A075417
Score: 3.58676
Type of gen. func.: ogf

$$\{a(n+3) - 111\,a(n+2) + 1110\,a(n+1) - 1000\,a(n),\ a(0) = 0,\ a(1) = 64,\ a(2) = 7744\}$$

Sequence: A075417
Score: 3.64604
Type of gen. func.: ogf

$$(121\,f(x) + 64)\,(1000\,f(x)\,x^3 - 1110\,f(x)\,x^2 + 111\,f(x)\,x + 640\,x^2 - f(x) + 64\,x)$$

Sequence: A075417
Score: 6.48781
Type of gen. func.: ogf

$$-\frac{64\,x\,(10\,x + 1)}{(x - 1)\,(100\,x - 1)\,(10\,x - 1)}$$

Sequence: A075417
Score: 6.56783
Type of gen. func.: lgdogf

$$-\frac{20000\,x^3 - 8100\,x^2 - 2220\,x + 121}{(x - 1)\,(10\,x + 1)\,(100\,x - 1)\,(10\,x - 1)}$$

Sequence: A075418
Score: 8.06884
Type of gen. func.: lgdogf

$$-\frac{2\,x^9 + 4\,x^8 - 3\,x^7 + x^6 + 19\,x^5 + 39\,x^4 + 35\,x^3 + 15\,x^2 - x + 1}{(x - 1)\,(x + 1)\,(2\,x^2 + 3\,x + 2)\,(x^3 + x^2 + x - 1)\,(x^3 - x^2 - x - 1)}$$

Sequence: A075418
Score: 9.26273
Type of gen. func.: ogf

$$\frac{2 (x + 1) (2 x^2 + 3 x + 2) (x - 1)^2}{(x^3 + x^2 + x - 1) (x^3 - x^2 - x - 1)}$$

Sequence: A075419
Score: 12.6235
Type of gen. func.: ogf

$$- \frac{x^2 + 2 x + 3}{(x^2 + 1) (x^3 - x^2 - x - 1)}$$

Sequence: A075419
Score: 12.6459
Type of gen. func.: lgdogf

$$- \frac{3 x^6 + 6 x^5 + 9 x^4 - 12 x^3 - 3 x^2 - 10 x - 1}{(x^2 + 1) (x^2 + 2 x + 3) (x^3 - x^2 - x - 1)}$$

Sequence: A075427
Score: 12.6513
Type of gen. func.: lgdogf

$$- \frac{2 (6 x^4 + 4 x^3 - 3 x^2 - 3 x - 1)}{(x - 1) (2 x + 1) (x + 1) (2 x^2 - 1)}$$

Sequence: A075427
Score: 15.5364
Type of gen. func.: ogf

$$\frac{2 x + 1}{(x - 1) (x + 1) (2 x^2 - 1)}$$

Sequence: A075427
Score: 8.36574
Type of gen. func.: ogf

$$-(23 f(x) - 29) (2 f(x) x^4 - 3 f(x) x^2 + f(x) - 2 x - 1)$$

Sequence: A075436
Score: 30.5369
Type of gen. func.: revogf

$$\frac{x (3 x + 2)}{4 (2 x + 1)^2}$$

Sequence: A075436
Score: 9.04927
Type of gen. func.: ogf

$$-16 f(x)^2 x^2 + 3 f(x)^2 x - 16 f(x) x + 2 f(x) - 4$$

Sequence: A075495
Score: 12.5258
Type of gen. func.: lgdogf

$$-\frac{9 x^6 - 14 x^5 + x^4 + 4 x^3 + 7 x^2 + 10 x - 1}{(x - 1) (3 x + 1) (x^2 + 1) (x^3 - x^2 - x - 1)}$$

Sequence: A075495
Score: 12.5548
Type of gen. func.: ogf

$$\frac{(3 x + 1) (x - 1)}{(x^2 + 1) (x^3 - x^2 - x - 1)}$$

Sequence: A075506
Score: 14.3235
Type of gen. func.: lgdegf]

$$-7 a(n) + (n + 1) a(n + 1), a(0) = 8, a(1) = 7$$

Sequence: A075507
Score: 14.8744
Type of gen. func.: lgdegf]

$$8 a(n) + (-n - 1) a(n + 1), a(0) = 9, a(1) = 8$$

Sequence: A075508
Score: 12.9637
Type of gen. func.: lgdegf]

$$-9 a(n) + (n + 1) a(n + 1), a(0) = 10, a(1) = 9$$

Sequence: A075509
Score: 12.5833
Type of gen. func.: lgdegf]

$$10 a(n) + (-n - 1) a(n + 1), a(0) = 11, a(1) = 10$$

Sequence: A075510
Score: 6.21258
Type of gen. func.: lgdogf

$$-\frac{2 (9600 x^4 - 8768 x^3 + 2700 x^2 - 340 x + 15)}{(6 x - 1) (4 x - 1) (2 x - 1) (8 x - 1) (10 x - 1)}$$

Sequence: A075510
Score: 8.10734
Type of gen. func.: ogf

$$-\frac{1}{(6 x - 1) (4 x - 1) (2 x - 1) (8 x - 1) (10 x - 1)}$$

Sequence: A075511
Score: 5.94604
Type of gen. func.: ogf

$$\frac{1}{(-1 + 12 x) (6 x - 1) (4 x - 1) (2 x - 1) (8 x - 1) (10 x - 1)}$$

Sequence: A075512
Score: 4.74606
Type of gen. func.: ogf

$$- \frac{1}{(-1 + 12 x) (6 x - 1) (4 x - 1) (14 x - 1) (2 x - 1) (8 x - 1) (10 x - 1)}$$

Sequence: A075515
Score: 6.18761
Type of gen. func.: lgdogf

$$- \frac{9 (16200 x^4 - 9864 x^3 + 2025 x^2 - 170 x + 5)}{(-1 + 12 x) (6 x - 1) (15 x - 1) (3 x - 1) (9 x - 1)}$$

Sequence: A075515
Score: 7.73842
Type of gen. func.: ogf

$$- \frac{1}{(-1 + 12 x) (6 x - 1) (15 x - 1) (3 x - 1) (9 x - 1)}$$

Sequence: A075516
Score: 5.44688
Type of gen. func.: ogf

$$\frac{1}{(-1 + 12 x) (6 x - 1) (15 x - 1) (3 x - 1) (9 x - 1) (18 x - 1)}$$

Sequence: A075528
Score: 13.2618
Type of gen. func.: ogf

$$-\frac{3x}{(x-1)(x^2-34x+1)}$$

Sequence: A075528
Score: 15.2096
Type of gen. func.: lgdogf

$$-\frac{3x^2-70x+35}{(x-1)(x^2-34x+1)}$$

Sequence: A075528
Score: 5.42005
Type of gen. func.: ogf

{a(n + 3) - 35 a(n + 2) + 35 a(n + 1) - a(n), a(0) = 0, a(1) = 3, a(2) = 105}

Sequence: A075528
Score: 7.88996
Type of gen. func.: ogf

$$f(x)\,x^3 - 35\,f(x)\,x^2 + 35\,f(x)\,x - f(x) + 3\,x$$

Sequence: A075529
Score: 3.24966
Type of gen. func.: ogf

$$(2\,f(x)\,x - f(x) + 1)^3$$

Sequence: A075536
Score: 7.44401
Type of gen. func.: lgdogf

$$-\frac{2x^9-3x^8-16x^7-6x^6-20x^5-6x^2-14x-1}{(x^3-x^2+x+1)(x^3+x^2+x-1)(x^4-x^3-4x^2-x-1)}$$

Sequence: A075536
Score: 8.53284
Type of gen. func.: ogf

$$\frac{x (x^4 - x^3 - 4 x^2 - x - 1)}{(x^3 - x^2 + x + 1) (x^3 + x^2 + x - 1)}$$

Sequence: A075543
Score: 5.71877
Type of gen. func.: ogf

$$\frac{x^{10} - x^9 + 8 x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 2}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^3}$$

Sequence: A075553
Score: 10.9574
Type of gen. func.: ogf

$$(f(x) - 1) (f(x) x^4 - x^3 + x^2 + f(x) - x)$$

Sequence: A075553
Score: 16.3328
Type of gen. func.: ogf

$$\frac{x (x^2 - x + 1)}{x^4 + 1}$$

Sequence: A075553
Score: 17.6297
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 - x^5 - x^3 + x^2 + x - 1$$

Sequence: A075553
Score: 26.2314
Type of gen. func.: lgdogf

$$-\frac{2x^5-3x^4+4x^3-2x+1}{(x^2-x+1)(x^4+1)}$$

Sequence: A075554
Score: 5.08435
Type of gen. func.: ogf

$$-(16x^{11}-16x^{10}-16x^9-24x^8-8x^7+4x^6+12x^5+22x^4+x^3+12x^2+4x+2) \Big/ \left((x-1)(x+1)(x^2+1)(2x^2-1)^2(2x^2+1)^2\right)$$

Sequence: A075561
Score: 11.3389
Type of gen. func.: ogf

$$-\frac{(x^2-x+1)(x+1)}{(x^2+x+1)^2(x-1)^3}$$

Sequence: A075561
Score: 28.4231
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5+3x^2+1$$

Sequence: A075567
Score: 8.23359
Type of gen. func.: lgdogf

$$\frac{2(8x^{10}-24x^9+30x^8-21x^7+7x^6-3x^3+9x^2-8x+3)}{(x-1)(2x^{10}-4x^9+4x^8-2x^7-6x^3+2x^2+12x-9)}$$

Sequence: A075567
Score: 9.45369
Type of gen. func.: ogf

$$-\frac{2x^{10}-4x^9+4x^8-2x^7-6x^3+2x^2+12x-9}{(x-1)^2}$$

Sequence: A075664
Score: 5.55835
Type of gen. func.: ogf

$$\frac{x^6+27x^5+153x^4+268x^3+153x^2+27x+1}{(x-1)^8}$$

Sequence: A075664
Score: 7.98050
Type of gen. func.: lgdogf

$$-\frac{2x^6+87x^5+747x^4+1952x^3+1722x^2+495x+35}{(x-1)(x^6+27x^5+153x^4+268x^3+153x^2+27x+1)}$$

Sequence: A075676
Score: 6.70358
Type of gen. func.: lgdogf

$$-\frac{2x^9+3x^8+24x^7-4x^6-12x^5-6x^4-8x^3-6x-1}{(x^3-x^2+x+1)(x^3+x^2+x-1)(x^4+x^3+6x^2-x-3)}$$

Sequence: A075676
Score: 8.53293
Type of gen. func.: ogf

$$x^4+x^3+6x^2-x-3$$

$$\overline{(x^3 - x^2 + x + 1)\,(x^3 + x^2 + x - 1)}$$

Sequence: A075681
Score: 14.3866
Type of gen. func.: lgdogf

$$-\frac{3\,(x^3 - 9\,x^2 + 5\,x + 7)}{(x - 1)\,(x^4 - x^3 - 12\,x^2 + 13\,x + 2)}$$

Sequence: A075681
Score: 7.64957
Type of gen. func.: ogf

$$\frac{x^2\,(x^4 - x^3 - 12\,x^2 + 13\,x + 2)}{(x - 1)^4}$$

Sequence: A075682
Score: 13.5370
Type of gen. func.: lgdogf

$$\frac{x^4 - 4\,x^3 + 15\,x^2 - 2\,x - 19}{(x - 1)\,(x^4 - x^3 - 12\,x^2 + 13\,x + 2)}$$

Sequence: A075682
Score: 9.27177
Type of gen. func.: ogf

$$-\frac{x\,(x^4 - x^3 - 12\,x^2 + 13\,x + 2)}{(x - 1)^3}$$

Sequence: A075690
Score: 5.94362
Type of gen. func.: ogf

$$\frac{x^2 (x^6 - 14 x^5 + 32 x^4 + 61 x^3 - 84 x^2 - 38 x - 2)}{(x - 1)^5}$$

Sequence: A075690
Score: 8.20176
Type of gen. func.: lgdogf

$$\frac{x^6 - 6 x^5 + 38 x^4 - 250 x^3 + 69 x^2 + 320 x + 48}{(x - 1) (x^6 - 14 x^5 + 32 x^4 + 61 x^3 - 84 x^2 - 38 x - 2)}$$

Sequence: A075701
Score: 9.77496
Type of gen. func.: ogf

$$- \frac{3 x^8 + 12 x^7 + 24 x^6 - 6 x^5 + 7 x^4 - 2 x^3 + 3 x^2 - x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A075796
Score: 11.0301
Type of gen. func.: ogf

$$\frac{2 (x + 1)}{x^2 - 18 x + 1}$$

Sequence: A075796
Score: 13.0604
Type of gen. func.: revogf

$$- \frac{-1 - 9 x + (80 x^2 + 20 x + 1)^{1/2}}{x - 2}$$

Sequence: A075796

Score: 15.0392
Type of gen. func.: lgdogf

$$-\frac{x^2 + 2x - 19}{(x + 1)(x^2 - 18x + 1)}$$

Sequence: A075796
Score: 6.04029
Type of gen. func.: ogf

$$\{-a(n + 2) + 18 a(n + 1) - a(n), a(0) = 2, a(1) = 38\}$$

Sequence: A075796
Score: 8.33706
Type of gen. func.: ogf

$$(170 f(x) + 21) (f(x) x^2 - 18 f(x) x + f(x) - 2 x - 2)$$

Sequence: A075835
Score: 13.4630
Type of gen. func.: ogf

$$\frac{3x}{x^2 - 11x + 1}$$

Sequence: A075835
Score: 21.8663
Type of gen. func.: lgdogf

$$-\frac{-11 + 2x}{x^2 - 11x + 1}$$

Sequence: A075835
Score: 6.23896
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + a(n), a(0) = 0, a(1) = 3\}$$

Sequence: A075835
Score: 8.5266
Type of gen. func.: ogf

$$-f(x)\,x^2 + 11\,f(x)\,x - f(x) + 3\,x$$

Sequence: A075835
Score: 9.48914
Type of gen. func.: revogf

$$-\frac{-3 - 11\,x + (3\,x + 1)^{1/2}\,(13\,x + 3)^{1/2}\,3^{1/2}}{2\,x}$$

Sequence: A075836
Score: 5.90128
Type of gen. func.: lgdogf

$$-\frac{2\,(x^9 + 3\,x^8 + 18\,x^7 + 24\,x^6 + 3\,x^5 - 171\,x^4 - 78\,x^3 - 60\,x^2 - 9\,x - 1)}{(x^4 + 2\,x^3 + 9\,x^2 + 2\,x + 1)\,(x^6 - 38\,x^3 + 1)}$$

Sequence: A075836
Score: 7.74161
Type of gen. func.: ogf

$$\frac{2\,x\,(x^4 + 2\,x^3 + 9\,x^2 + 2\,x + 1)}{x^6 - 38\,x^3 + 1}$$

Sequence: A075839
Score: 14.3890
Type of gen. func.: ogf

$$-\frac{x - 1}{x^2 - 20\,x + 1}$$

Sequence: A075839
Score: 15.1240
Type of gen. func.: revogf

$$-\frac{-1 - 20 x + (396 x^2 + 36 x + 1)^{1/2}}{2 (x + 1)}$$

Sequence: A075839
Score: 20.3229
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x + 19}{(x - 1) (x^2 - 20 x + 1)}$$

Sequence: A075839
Score: 7.11715
Type of gen. func.: ogf

$$-(378 f(x) - 17) (f(x) x^2 - 20 f(x) x + f(x) + x - 1)$$

Sequence: A075839
Score: 7.87970
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1) + a(n), a(0) = 1, a(1) = 19\}$$

Sequence: A075841
Score: 12.4489
Type of gen. func.: ogf

$$-\frac{3 (x - 1)}{x^2 - 6 x + 1}$$

Sequence: A075841

Score: 13.3712
Type of gen. func.: revogf

$$-\frac{-3 - 6 x + (32 x^2 + 24 x + 9)^{1/2}}{2 (x + 3)}$$

Sequence: A075841
Score: 18.2740
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x + 5}{(x - 1) (x^2 - 6 x + 1)}$$

Sequence: A075841
Score: 6.22447
Type of gen. func.: ogf

$$-(28 f(x) - 9) (f(x) x^2 - 6 f(x) x + f(x) + 3 x - 3)$$

Sequence: A075841
Score: 6.74942
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + a(n), a(0) = 3, a(1) = 15\}$$

Sequence: A075843
Score: 11.2097
Type of gen. func.: revogf

$$-\frac{-1 - 20 x + (18 x + 1)^{1/2} (22 x + 1)^{1/2}}{2 x}$$

Sequence: A075843
Score: 15.4160
Type of gen. func.: ogf

$$x$$

$$\frac{}{x^2 - 20 x + 1}$$

Sequence: A075843
Score: 22.4193
Type of gen. func.: lgdogf

$$-\frac{2 (-10 + x)}{x^2 - 20 x + 1}$$

Sequence: A075843
Score: 6.39200
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1) + a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A075843
Score: 8.73574
Type of gen. func.: ogf

$$-f(x) x^2 + 20 f(x) x - f(x) + x$$

Sequence: A075844
Score: 11.1594
Type of gen. func.: revogf

$$-\frac{-10 x - 3 + (3 + 11 x)^{1/2} (3 x + 1)^{1/2} 3^{1/2}}{x}$$

Sequence: A075844
Score: 14.6134
Type of gen. func.: ogf

$$\frac{6 x}{x^2 - 20 x + 1}$$

Sequence: A075844
Score: 23.7743
Type of gen. func.: lgdogf

$$-\frac{2\,(-10 + x)}{x^{2} - 20\,x + 1}$$

Sequence: A075844
Score: 6.77206
Type of gen. func.: ogf

$$\{a(n + 2) - 20\,a(n + 1) + a(n),\ a(0) = 0,\ a(1) = 6\}$$

Sequence: A075844
Score: 9.25516
Type of gen. func.: ogf

$$-f(x)\,x^{2} + 20\,f(x)\,x - f(x) + 6\,x$$

Sequence: A075848
Score: 10.0624
Type of gen. func.: ogf

$$-f(x)\,x^{2} + 6\,f(x)\,x - f(x) + 6\,x$$

Sequence: A075848
Score: 14.9884
Type of gen. func.: revogf

$$-\frac{-3\,x - 3 + (4\,x + 3)^{1/2}\,(3 + 2\,x)^{1/2}}{x}$$

Sequence: A075848
Score: 16.0454
Type of gen. func.: ogf

$$6\,x$$

$$\frac{}{x^2 - 6 x + 1}$$

Sequence: A075848
Score: 29.2274
Type of gen. func.: lgdogf

$$-\frac{2 (x - 3)}{x^2 - 6 x + 1}$$

Sequence: A075848
Score: 7.32940
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + a(n), a(0) = 0, a(1) = 6\}$$

Sequence: A075852
Score: 19.2734
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A075858
Score: 10.7207
Type of gen. func.: lgdogf

$$-\frac{400 x^2 - 530 x + 211}{(20 x - 11) (x - 1) (10 x - 1)}$$

Sequence: A075858
Score: 11.8268
Type of gen. func.: ogf

$$\frac{20 x - 11}{(x - 1) (10 x - 1)^2}$$

Sequence: A075858
Score: 5.54383
Type of gen. func.: ogf

$$-(202498623 f(x) + 7417405)$$

$$(100 f(x) x^{3} - 120 f(x) x^{2} + 21 f(x) x - f(x) - 20 x + 11)$$

Sequence: A075858
Score: 5.76919
Type of gen. func.: ogf

$$\{-a(n + 3) + 21 a(n + 2) - 120 a(n + 1) + 100 a(n), a(0) = 11, a(1) = 211, a(2) = 3111\}$$

Sequence: A075864
Score: 11.9007
Type of gen. func.: revogf

$$\frac{x (x^{12} - x^{4} - 1)}{x^{14} + x^{13} - 2 x^{8} - x^{6} - x^{5} - 2 x^{4} - x^{2} - x - 1}$$

Sequence: A075869
Score: 11.0904
Type of gen. func.: ogf

$$-\frac{3 (x - 1)}{x^{2} - 18 x + 1}$$

Sequence: A075869
Score: 11.6062
Type of gen. func.: revogf

$$-\frac{-3 - 18 x + (320 x^{2} + 96 x + 9)^{1/2}}{2 (x + 3)}$$

Sequence: A075869
Score: 15.5958
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2x + 17}{(x-1)(x^2 - 18x + 1)}$$

Sequence: A075869
Score: 5.48555
Type of gen. func.: ogf

$$-(304 f(x) - 45)(f(x) x^2 - 18 f(x) x + f(x) + 3x - 3)$$

Sequence: A075869
Score: 6.07330
Type of gen. func.: ogf

$$\{a(n+2) - 18 a(n+1) + a(n), a(0) = 3, a(1) = 51\}$$

Sequence: A075870
Score: 15.4066
Type of gen. func.: revogf

$$-\frac{-1 - 3x + (8x^2 + 4x + 1)^{1/2}}{x + 2}$$

Sequence: A075870
Score: 16.5833
Type of gen. func.: ogf

$$-\frac{2(x-1)}{x^2 - 6x + 1}$$

Sequence: A075870
Score: 17.9744
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x + 5}{(x - 1) (x^2 - 6 x + 1)}$$

Sequence: A075870
Score: 8.29164
Type of gen. func.: ogf

$$-(14 f(x) - 3) (f(x) x^2 - 6 f(x) x + f(x) + 2 x - 2)$$

Sequence: A075870
Score: 8.99093
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + a(n), a(0) = 2, a(1) = 10\}$$

Sequence: A075871
Score: 12.8387
Type of gen. func.: ogf

$$\frac{180 x}{x^2 - 1298 x + 1}$$

Sequence: A075871
Score: 16.5086
Type of gen. func.: lgdogf

$$-\frac{2 (-649 + x)}{x^2 - 1298 x + 1}$$

Sequence: A075871
Score: 6.27006
Type of gen. func.: ogf

$$\{a(n + 2) - 1298 a(n + 1) + a(n), a(0) = 0, a(1) = 180\}$$

Sequence: A075871
Score: 7.94859
Type of gen. func.: revogf

$$-\frac{-649 x - 90 + 6 (36 x + 5)^{1/2} (65 x + 9)^{1/2} 5^{1/2}}{x}$$

Sequence: A075871
Score: 8.42539
Type of gen. func.: ogf

$$-f(x) x^2 + 1298 f(x) x - f(x) + 180 x$$

Sequence: A075873
Score: 6.22872
Type of gen. func.: lgdogf

$$-\frac{2 (x^9 + 3 x^8 + 18 x^7 + 24 x^6 + 3 x^5 - 171 x^4 - 78 x^3 - 60 x^2 - 9 x - 1)}{(x^4 + 2 x^3 + 9 x^2 + 2 x + 1) (x^6 - 38 x^3 + 1)}$$

Sequence: A075873
Score: 8.27056
Type of gen. func.: ogf

$$\frac{x (x^4 + 2 x^3 + 9 x^2 + 2 x + 1)}{x^6 - 38 x^3 + 1}$$

Sequence: A075876
Score: 3.24095
Type of gen. func.: ogf

$$\frac{2 x (x + 1) (2 x - 1)^2}{(x - 1) (4 x - 1)}$$

Sequence: A075878
Score: 2.69198
Type of gen. func.: ogf

$$-(189 f(x) - 131) (64 f(x) x^2 - 20 f(x) x + f(x) + 40 x - 4)$$

Sequence: A075878
Score: 3.04036
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1) + 64 a(n), a(0) = 4, a(1) = 40\}$$

Sequence: A075878
Score: 5.38398
Type of gen. func.: ogf

$$-\frac{4 (10 x - 1)}{(16 x - 1) (4 x - 1)}$$

Sequence: A075878
Score: 5.52202
Type of gen. func.: lgdogf

$$-\frac{2 (320 x^2 - 64 x + 5)}{(4 x - 1) (16 x - 1) (10 x - 1)}$$

Sequence: A075884
Score: 7.56162
Type of gen. func.: lgdogf

$$-\frac{2 x^9 + 6 x^8 + 16 x^7 + 5 x^6 + 36 x^5 + 38 x^4 + 32 x^3 + 3 x^2 + 10 x + 4}{(x - 1) (x + 1) (x^2 + 1) (x^6 + 2 x^5 + 4 x^4 + x^3 + 5 x^2 + 4 x + 2)}$$

Sequence: A075884
Score: 9.96221
Type of gen. func.: ogf

$$\frac{x^6 + 2 x^5 + 4 x^4 + x^3 + 5 x^2 + 4 x + 2}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A075886
Score: 10.2324
Type of gen. func.: lgdogf

$$- \frac{6 (16 x^4 - 8 x^3 - 8 x^2 + 1)}{(4 x^2 - x - 1) (24 x^3 - 4 x^2 - 5 x + 1)}$$

Sequence: A075886
Score: 5.31442
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) + 4 a(n + 1) - 24 a(n), a(0) = 1, a(1) = 6, a(2) = 30\}$$

Sequence: A075886
Score: 5.40932
Type of gen. func.: ogf

$$(f(x) - 1) (24 f(x) x^3 - 4 f(x) x^2 - 5 f(x) x + 4 x^2 + f(x) - x - 1)$$

Sequence: A075886
Score: 9.77168
Type of gen. func.: ogf

$$- \frac{4 x^2 - x - 1}{24 x^3 - 4 x^2 - 5 x + 1}$$

Sequence: A075906
Score: 5.04072
Type of gen. func.: ogf

$$- 1/((-1 + 12 x) (6 x - 1) (15 x - 1) (3 x - 1) (9 x - 1) (18 x - 1) (21 x - 1))$$

Sequence: A075907
Score: 3.71008
Type of gen. func.: ogf

$$(28342193 f(x) + 5605632)$$

$$(6144 f(x) x^4 - 3200 f(x) x^3 + 560 f(x) x^2 - 40 f(x) x + f(x) - 1)$$

Sequence: A075907
Score: 7.64563
Type of gen. func.: lgdogf

$$- \frac{8 (3072 x^3 - 1200 x^2 + 140 x - 5)}{(16 x - 1) (8 x - 1) (-1 + 12 x) (4 x - 1)}$$

Sequence: A075907
Score: 8.89141
Type of gen. func.: ogf

$$\frac{1}{(16 x - 1) (8 x - 1) (-1 + 12 x) (4 x - 1)}$$

Sequence: A075908
Score: 5.32482
Type of gen. func.: lgdogf

$$- \frac{4 (153600 x^4 - 70144 x^3 + 10800 x^2 - 680 x + 15)}{(-1 + 12 x) (4 x - 1) (20 x - 1) (8 x - 1) (16 x - 1)}$$

Sequence: A075908
Score: 6.92487
Type of gen. func.: ogf

$$- \frac{1}{(-1 + 12 x) (4 x - 1) (20 x - 1) (8 x - 1) (16 x - 1)}$$

Sequence: A075909
Score: 5.74709
Type of gen. func.: ogf

$$\frac{1}{(-1 + 12 x) (4 x - 1) (20 x - 1) (24 x - 1) (8 x - 1) (16 x - 1)}$$

Sequence: A075910
Score: 5.10953
Type of gen. func.: ogf

$$- 1/\left((-1 + 12 x) (28 x - 1) (4 x - 1) (20 x - 1) (24 x - 1) (8 x - 1) (16 x - 1) \right)$$

Sequence: A075911
Score: 10.4876
Type of gen. func.: lgdogf

$$- \frac{10 (225 x^2 - 55 x + 3)}{(15 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A075911
Score: 17.1058
Type of gen. func.: ogf

$$- \frac{1}{(15 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A075911
Score: 5.98702
Type of gen. func.: ogf

$$\{a(n + 3) - 30 a(n + 2) + 275 a(n + 1) - 750 a(n), a(0) = 1, a(1) = 30, a(2) = 625\}$$

Sequence: A075911

Score: 6.41467
Type of gen. func.: ogf

$$(22631 f(x) - 10476) (750 f(x) x^3 - 275 f(x) x^2 + 30 f(x) x - f(x) + 1)$$

Sequence: A075912
Score: 10.6125
Type of gen. func.: ogf

$$\frac{1}{(15 x - 1) (20 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A075912
Score: 4.47243
Type of gen. func.: ogf

$$(28342193 f(x) + 5605632)$$

$$(15000 f(x) x^4 - 6250 f(x) x^3 + 875 f(x) x^2 - 50 f(x) x + f(x) - 1)$$

Sequence: A075912
Score: 7.16592
Type of gen. func.: lgdogf

$$- \frac{50 (1200 x^3 - 375 x^2 + 35 x - 1)}{(15 x - 1) (20 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A075913
Score: 5.82546
Type of gen. func.: lgdogf

$$- \frac{25 (75000 x^4 - 27400 x^3 + 3375 x^2 - 170 x + 3)}{(15 x - 1) (25 x - 1) (20 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A075913
Score: 9.49724
Type of gen. func.: ogf

$$-\frac{1}{(15x-1)(25x-1)(20x-1)(5x-1)(10x-1)}$$

Sequence: A075914
Score: 6.70788
Type of gen. func.: ogf

$$\frac{1}{(15x-1)(25x-1)(20x-1)(30x-1)(5x-1)(10x-1)}$$

Sequence: A075915
Score: 6.10996
Type of gen. func.: ogf

$$-1/\Big((15x-1)(25x-1)(20x-1)(35x-1)(30x-1)(5x-1)(10x-1)\Big)$$

Sequence: A075916
Score: 10.9698
Type of gen. func.: lgdogf

$$-\frac{36\,(108x^2-22x+1)}{(6x-1)(18x-1)(-1+12x)}$$

Sequence: A075916
Score: 11.9931
Type of gen. func.: ogf

$$-\frac{1}{(6x-1)(18x-1)(-1+12x)}$$

Sequence: A075916
Score: 4.26200
Type of gen. func.: ogf

{a(n + 3) - 36 a(n + 2) + 396 a(n + 1) - 1296 a(n), a(0) = 1, a(1) = 36,

a(2) = 900}

Sequence: A075916
Score: 4.56373
Type of gen. func.: ogf

$$(22631 f(x) - 10476) (1296 f(x) x^3 - 396 f(x) x^2 + 36 f(x) x - f(x) + 1)$$

Sequence: A075917
Score: 3.48995
Type of gen. func.: ogf

$$(28342193 f(x) + 5605632)$$

$$(31104 f(x) x^4 - 10800 f(x) x^3 + 1260 f(x) x^2 - 60 f(x) x + f(x) - 1)$$

Sequence: A075917
Score: 7.12854
Type of gen. func.: lgdogf

$$- \frac{12 (10368 x^3 - 2700 x^2 + 210 x - 5)}{(6 x - 1) (18 x - 1) (-1 + 12 x) (24 x - 1)}$$

Sequence: A075917
Score: 8.12415
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (18 x - 1) (-1 + 12 x) (24 x - 1)}$$

Sequence: A075918
Score: 5.97002
Type of gen. func.: lgdogf

$$- \frac{18 (259200 x^4 - 78912 x^3 + 8100 x^2 - 340 x + 5)}{(-1 + 12 x) (6 x - 1) (24 x - 1) (30 x - 1) (18 x - 1)}$$

Sequence: A075918
Score: 7.55203
Type of gen. func.: ogf

$$-\frac{1}{(-1+12x)(6x-1)(24x-1)(30x-1)(18x-1)}$$

Sequence: A075919
Score: 5.11144
Type of gen. func.: ogf

$$\frac{1}{(-1+12x)(6x-1)(36x-1)(24x-1)(30x-1)(18x-1)}$$

Sequence: A075921
Score: 11.5062
Type of gen. func.: revogf

$$-\frac{-1-21x+(49x^2+42x+1)^{1/2}}{196x}$$

Sequence: A075921
Score: 13.4669
Type of gen. func.: ogf

$$\frac{1}{(14x-1)(7x-1)}$$

Sequence: A075921
Score: 15.8707
Type of gen. func.: lgdogf

$$-\frac{7(-3+28x)}{(14x-1)(7x-1)}$$

Sequence: A075921
Score: 5.54518
Type of gen. func.: ogf

$$(31 f(x) + 50) (98 f(x) x^2 - 21 f(x) x + f(x) - 1)$$

Sequence: A075921
Score: 5.54518
Type of gen. func.: ogf

$$\{-a(n + 2) + 21 a(n + 1) - 98 a(n), a(0) = 1, a(1) = 21\}$$

Sequence: A075922
Score: 11.5123
Type of gen. func.: lgdogf

$$-\frac{14 (441 x^2 - 77 x + 3)}{(21 x - 1) (7 x - 1) (14 x - 1)}$$

Sequence: A075922
Score: 12.5734
Type of gen. func.: ogf

$$-\frac{1}{(21 x - 1) (7 x - 1) (14 x - 1)}$$

Sequence: A075922
Score: 4.43160
Type of gen. func.: ogf

$$\{a(n + 3) - 42 a(n + 2) + 539 a(n + 1) - 2058 a(n), a(0) = 1, a(1) = 42, a(2) = 1225\}$$

Sequence: A075922
Score: 4.78456
Type of gen. func.: ogf

$$(22631 f(x) - 10476) (2058 f(x) x^3 - 539 f(x) x^2 + 42 f(x) x - f(x) + 1)$$

Sequence: A075923
Score: 3.64252
Type of gen. func.: ogf

$$(28342193 f(x) + 5605632)$$

$$(57624 f(x) x^4 - 17150 f(x) x^3 + 1715 f(x) x^2 - 70 f(x) x + f(x) - 1)$$

Sequence: A075923
Score: 7.44714
Type of gen. func.: lgdogf

$$-\frac{14 (16464 x^3 - 3675 x^2 + 245 x - 5)}{(21 x - 1) (28 x - 1) (7 x - 1) (14 x - 1)}$$

Sequence: A075923
Score: 8.47931
Type of gen. func.: ogf

$$\frac{1}{(21 x - 1) (28 x - 1) (7 x - 1) (14 x - 1)}$$

Sequence: A075924
Score: 5.98152
Type of gen. func.: lgdogf

$$-\frac{7 (1440600 x^4 - 375928 x^3 + 33075 x^2 - 1190 x + 15)}{(28 x - 1) (14 x - 1) (35 x - 1) (7 x - 1) (21 x - 1)}$$

Sequence: A075924
Score: 7.60479
Type of gen. func.: ogf

$$-\frac{1}{(28 x - 1) (14 x - 1) (35 x - 1) (7 x - 1) (21 x - 1)}$$

Sequence: A075925
Score: 5.27812
Type of gen. func.: ogf

$$\frac{1}{(28x-1)(14x-1)(42x-1)(35x-1)(7x-1)(21x-1)}$$

Sequence: A076003
Score: 11.2730
Type of gen. func.: ogf

$$-\frac{1}{(16x-1)(8x-1)(24x-1)}$$

Sequence: A076003
Score: 3.97329
Type of gen. func.: ogf

$$\{a(n+3) - 48\,a(n+2) + 704\,a(n+1) - 3072\,a(n),\ a(0) = 1,\ a(1) = 48,\ a(2) = 1600\}$$

Sequence: A076003
Score: 4.28974
Type of gen. func.: ogf

$$(22631 f(x) - 10476)(3072 f(x) x^3 - 704 f(x) x^2 + 48 f(x) x - f(x) + 1)$$

Sequence: A076003
Score: 9.67161
Type of gen. func.: lgdogf

$$-\frac{16(576x^2 - 88x + 3)}{(16x-1)(8x-1)(24x-1)}$$

Sequence: A076004
Score: 3.75694
Type of gen. func.: ogf

$$(28342193 f(x) + 5605632)$$

$$(98304 f(x) x^4 - 25600 f(x) x^3 + 2240 f(x) x^2 - 80 f(x) x + f(x) - 1)$$

Sequence: A076004
Score: 7.57469
Type of gen. func.: lgdogf

$$-\frac{16\,(24576\,x^3 - 4800\,x^2 + 280\,x - 5)}{(16\,x - 1)\,(8\,x - 1)\,(32\,x - 1)\,(24\,x - 1)}$$

Sequence: A076004
Score: 8.74567
Type of gen. func.: ogf

$$\frac{1}{(16\,x - 1)\,(8\,x - 1)\,(32\,x - 1)\,(24\,x - 1)}$$

Sequence: A076005
Score: 5.24912
Type of gen. func.: lgdogf

$$-\frac{8\,(2457600\,x^4 - 561152\,x^3 + 43200\,x^2 - 1360\,x + 15)}{(24\,x - 1)\,(8\,x - 1)\,(40\,x - 1)\,(16\,x - 1)\,(32\,x - 1)}$$

Sequence: A076005
Score: 6.50968
Type of gen. func.: ogf

$$-\frac{1}{(24\,x - 1)\,(8\,x - 1)\,(40\,x - 1)\,(16\,x - 1)\,(32\,x - 1)}$$

Sequence: A076006
Score: 5.33254
Type of gen. func.: ogf

$$\frac{1}{(48\,x - 1)\,(24\,x - 1)\,(8\,x - 1)\,(40\,x - 1)\,(16\,x - 1)\,(32\,x - 1)}$$

Sequence: A076008
Score: 12.4073
Type of gen. func.: revogf

$$-\frac{-1 - 27 x + (81 x^2 + 54 x + 1)^{1/2}}{324 x}$$

Sequence: A076008
Score: 14.0940
Type of gen. func.: ogf

$$\frac{1}{(18 x - 1) (9 x - 1)}$$

Sequence: A076008
Score: 17.1136
Type of gen. func.: lgdogf

$$-\frac{27 (-1 + 12 x)}{(18 x - 1) (9 x - 1)}$$

Sequence: A076008
Score: 5.89981
Type of gen. func.: ogf

$$(31 f(x) + 50) (162 f(x) x^2 - 27 f(x) x + f(x) - 1)$$

Sequence: A076008
Score: 5.89981
Type of gen. func.: ogf

$$\{-a(n + 2) + 27 a(n + 1) - 162 a(n), a(0) = 1, a(1) = 27\}$$

Sequence: A076009
Score: 10.5967
Type of gen. func.: lgdogf

$$54 (243 x^2 - 33 x + 1)$$

$$-\frac{}{(18 x - 1) (27 x - 1) (9 x - 1)}$$

Sequence: A076009
Score: 11.5879
Type of gen. func.: ogf

$$-\frac{1}{(18 x - 1) (27 x - 1) (9 x - 1)}$$

Sequence: A076009
Score: 4.08427
Type of gen. func.: ogf

$$\{a(n + 3) - 54 a(n + 2) + 891 a(n + 1) - 4374 a(n), a(0) = 1, a(1) = 54, a(2) = 2025\}$$

Sequence: A076009
Score: 4.40957
Type of gen. func.: ogf

$$(22631 f(x) - 10476) (4374 f(x) x^3 - 891 f(x) x^2 + 54 f(x) x - f(x) + 1)$$

Sequence: A076010
Score: 3.80642
Type of gen. func.: ogf

$$(28342193 f(x) + 5605632) (157464 f(x) x^4 - 36450 f(x) x^3 + 2835 f(x) x^2 - 90 f(x) x + f(x) - 1)$$

Sequence: A076010
Score: 7.84538
Type of gen. func.: lgdogf

$$-\frac{18 (34992 x^3 - 6075 x^2 + 315 x - 5)}{(36 x - 1) (18 x - 1) (27 x - 1) (9 x - 1)}$$

Sequence: A076010
Score: 8.77932
Type of gen. func.: ogf

$$\frac{1}{(36 x - 1) (18 x - 1) (27 x - 1) (9 x - 1)}$$

Sequence: A076011
Score: 6.68561
Type of gen. func.: ogf

$$- \frac{1}{(45 x - 1) (36 x - 1) (9 x - 1) (18 x - 1) (27 x - 1)}$$

Sequence: A076012
Score: 4.53400
Type of gen. func.: ogf

$$\frac{1}{(45 x - 1) (36 x - 1) (9 x - 1) (18 x - 1) (27 x - 1) (54 x - 1)}$$

Sequence: A076024
Score: 13.4107
Type of gen. func.: ogf

$$\frac{x (3 x - 1)}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A076024
Score: 6.94480
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) - 14 a(n + 1) + 8 a(n), a(0) = 0, a(1) = 1, a(2) = 4\}$$

Sequence: A076024
Score: 9.04439
Type of gen. func.: ogf

```
                    3            2                  2
```

```
              8 f(x) x  - 14 f(x) x  + 7 f(x) x - 3 x  - f(x) + x



------------------------------------------------------------------------------

Sequence:  A076025
Score: 11.0562
Type of gen. func.: lgdogf


                                                         2 1/2
                     5 - 20 x + (-(4 x - 1) (-7 + 24 x) )
                   - -----------------------------------------
                        2 (4 x - 1) (16 x - 3) (9 x - 2)



------------------------------------------------------------------------------

Sequence:  A076025
Score: 9.81961
Type of gen. func.: ogf


                        2            2
              -16 f(x)  x + 3 f(x)  + 24 f(x) x - 5 f(x) - 9 x + 2



------------------------------------------------------------------------------

Sequence:  A076026
Score: 10.4169
Type of gen. func.: lgdogf


                                                          2 1/2
                    11 - 44 x + (-(4 x - 1) (-13 + 40 x) )
                  - ------------------------------------------
                        2 (25 x - 4) (4 x - 1) (16 x - 3)



------------------------------------------------------------------------------

Sequence:  A076026
Score: 9.53416
Type of gen. func.: ogf


                       2            2
             -25 f(x)  x + 4 f(x)  + 40 f(x) x - 7 f(x) - 16 x + 3



------------------------------------------------------------------------------

Sequence:  A076027
Score: 6.05230
Type of gen. func.: lgdogf


     23        22        21        20       7       6      5      4      3      2
(20 x   - 61 x   + 62 x   - 21 x   + 4 x  - 10 x  + 4 x  + 6 x  - 4 x  - 3 x

                  /
     + 2 x - 2)  /  ((x - 1)
                /

      23       22     21    7    6    5    4    3
```

$$(x - 2 x + x + x - x - x + x + x - x + 1))$$

Sequence: A076027
Score: 6.48662
Type of gen. func.: ogf

$$-\frac{x^{23} - 2 x^{22} + x^{21} + x^{7} - x^{6} - x^{5} + x^{4} + x^{3} - x + 1}{(x - 1)^{3}}$$

Sequence: A076032
Score: 13.2568
Type of gen. func.: ogf

$$-f(x) x^{2} + 2 f(x) x + x^{2} - f(x) + 1$$

Sequence: A076032
Score: 18.1267
Type of gen. func.: ogf

$$\frac{x^{2} + 1}{(x - 1)^{2}}$$

Sequence: A076032
Score: 30.5162
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^{3} + x + 2]$$

Sequence: A076032
Score: 39.6112
Type of gen. func.: lgdogf

$$-\frac{2 (x + 1)}{(x - 1) (x^{2} + 1)}$$

Sequence: A076032
Score: 8.70790
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n + 1), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A076035
Score: 13.45
Type of gen. func.: ogf

$$-16 f(x)^2 x + 3 f(x)^2 - 2 f(x) - 1$$

Sequence: A076035
Score: 22.4390
Type of gen. func.: revogf

$$(-1 - 8 x + 2 (16 x^2 + 4 x + 1)^{1/2}) x$$

Sequence: A076035
Score: 4.85934
Type of gen. func.: ogf

$$\{(64 n + 96) a(n + 1) + (-28 n - 66) a(n + 2) + (3 n + 9) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 20\}$$

Sequence: A076036
Score: 13.2699
Type of gen. func.: ogf

$$-25 f(x)^2 x + 4 f(x)^2 - 3 f(x) - 1$$

Sequence: A076036
Score: 19.2255
Type of gen. func.: revogf

$$\frac{(-3 - 25 x + 5 (25 x^2 + 6 x + 1)^{1/2}) x}{}$$

2

Sequence: A076036
Score: 4.70323
Type of gen. func.: ogf

$$\{(100 n + 150) a(n + 1) + (-41 n - 99) a(n + 2) + (4 n + 12) a(n + 3), a(0) = 1, a(1) = 5, a(2) = 30\}$$

Sequence: A076040
Score: 11.3399
Type of gen. func.: ogf

$$3 f(x) x^2 + 4 f(x) x + f(x) + x$$

Sequence: A076040
Score: 20.2744
Type of gen. func.: ogf

$$-\frac{x}{(x + 1) (3 x + 1)}$$

Sequence: A076040
Score: 6.82027
Type of gen. func.: lgdogf

$$-\frac{2 (-2 + 3 x)}{(3 x - 1) (x - 1)}$$

Sequence: A076040
Score: 8.25995
Type of gen. func.: ogf

$$\{-a(n + 2) - 4 a(n + 1) - 3 a(n), a(0) = 0, a(1) = -1\}$$

Sequence: A076049
Score: 6.91521
Type of gen. func.: lgdogf

$$-\frac{2\,(x^7+x^6-11\,x^5-6\,x^4+35\,x^3+13\,x^2-17\,x-4)}{(x-1)\,(x^2+2\,x-1)\,(x^2-2\,x-1)\,(x^3+x^2-5\,x-3)}$$

Sequence: A076049
Score: 7.33833
Type of gen. func.: ogf

$$\frac{x\,(x^3+x^2-5\,x-3)}{(x-1)\,(x^2+2\,x-1)\,(x^2-2\,x-1)}$$

Sequence: A076086
Score: 4.91960
Type of gen. func.: ogf

$$-(2048\,x^{11}+1024\,x^{10}+2048\,x^9+1024\,x^8+512\,x^7-64\,x^6-32\,x^5+16\,x^4+8\,x^3+4\,x^2+2\,x+1)\;/\;(96\,x^5-1)$$

Sequence: A076095
Score: 8.17544
Type of gen. func.: ogf

$$-\frac{x^8-2\,x^7+2\,x^6-2\,x^5+x^4+x^3-x+1}{(x-1)^3}$$

Sequence: A076095
Score: 8.43503
Type of gen. func.: lgdogf

$$\frac{5\,x^8-16\,x^7+20\,x^6-16\,x^5+11\,x^4-4\,x^3-3\,x^2+2\,x-2}{(x-1)\,(x^8-2\,x^7+2\,x^6-2\,x^5+x^4+x^3-x+1)}$$

Sequence: A076118
Score: 14.4528
Type of gen. func.: ogf

$$-\frac{x\,(x-1)}{(x^2-x+1)^2}$$

Sequence: A076118
Score: 28.3846
Type of gen. func.: ogf_with_Euler_transform]

$$2\,x^5-2\,x^2-2\,x+1$$

Sequence: A076118
Score: 36.5577
Type of gen. func.: lgdogf

$$-\frac{3\,x^2-5\,x+1}{(x-1)\,(x^2-x+1)}$$

Sequence: A076118
Score: 4.81760
Type of gen. func.: ogf

$$\{(-3-n)\,a(n+4)+(5+2\,n)\,a(n+3)+(-7-2\,n)\,a(n+2)$$
$$+(n+3)\,a(n+1),\ a(0)=0,\ a(1)=1,\ a(2)=1,\ a(3)=-1\}$$

Sequence: A076118
Score: 7.51545
Type of gen. func.: ogf

$$(f(x)+5)\,(f(x)\,x^4-2\,f(x)\,x^3+3\,f(x)\,x^2-2\,f(x)\,x+x^2+f(x)-x)$$

Sequence: A076119
Score: 7.67126
Type of gen. func.: ogf

$$-\frac{12x^9+14x^8+8x^7+7x^6+3x^5+2x^4+10x^3+13x^2+18x+20}{(x-1)(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)}$$

Sequence: A076139
Score: 15.6420
Type of gen. func.: lgdogf

$$-\frac{3(x^2-10x+5)}{(x-1)(x^2-14x+1)}$$

Sequence: A076139
Score: 16.0237
Type of gen. func.: ogf

$$-\frac{x}{(x-1)(x^2-14x+1)}$$

Sequence: A076139
Score: 6.04402
Type of gen. func.: ogf

$$\{a(n+3)-15a(n+2)+15a(n+1)-a(n),\ a(0)=0,\ a(1)=1,\ a(2)=15\}$$

Sequence: A076139
Score: 8.72175
Type of gen. func.: ogf

$$f(x)x^3-15f(x)x^2+15f(x)x-f(x)+x$$

Sequence: A076140
Score: 14.1660
Type of gen. func.: lgdogf

$$3(x^2-10x+5)$$

$$- \frac{}{(x - 1) (x^2 - 14 x + 1)}$$

Sequence: A076140
Score: 15.1061
Type of gen. func.: ogf

$$- \frac{3 x}{(x - 1) (x^2 - 14 x + 1)}$$

Sequence: A076140
Score: 6.22796
Type of gen. func.: ogf

$$\{a(n + 3) - 15 a(n + 2) + 15 a(n + 1) - a(n), a(0) = 0, a(1) = 3, a(2) = 45\}$$

Sequence: A076140
Score: 8.9872
Type of gen. func.: ogf

$$f(x) x^3 - 15 f(x) x^2 + 15 f(x) x - f(x) + 3 x$$

Sequence: A076148
Score: 10.6439
Type of gen. func.: ogf

$$\frac{x^2 + x - 1}{(3 x - 1) (x + 1)^2}$$

Sequence: A076148
Score: 15.5950
Type of gen. func.: lgdogf

$$- \frac{x (3 x^2 + 3 x - 8)}{(3 x - 1) (x + 1) (x^2 + x - 1)}$$

Sequence: A076148
Score: 5.5494
Type of gen. func.: ogf

$$(1561 f(x) + 2535) (3 f(x) x^3 + 5 f(x) x^2 + f(x) x - x^2 - f(x) - x + 1)$$

Sequence: A076148
Score: 5.84937
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 5 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 0, a(2) = 4\}$$

Sequence: A076149
Score: 10.9746
Type of gen. func.: ogf

$$- \frac{x (3 + 2 x)}{(3 x - 1) (x + 1)^2}$$

Sequence: A076149
Score: 16.2048
Type of gen. func.: lgdogf

$$- \frac{12 x^2 + 25 x + 5}{(3 + 2 x) (3 x - 1) (x + 1)}$$

Sequence: A076149
Score: 5.63563
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 5 a(n + 1) + 3 a(n), a(0) = 0, a(1) = 3, a(2) = 5\}$$

Sequence: A076149
Score: 5.8463
Type of gen. func.: ogf

$$(5 f(x) + 9) (3 f(x) x^3 + 5 f(x) x^2 + f(x) x + 2 x^2 - f(x) + 3 x)$$

Sequence: A076151
Score: 20.1866
Type of gen. func.: revegf]

$$\frac{-3 x + (3 x + 1)^{(4/3)} - 1}{(3 x + 1)^2}$$

Sequence: A076151
Score: 4.79785
Type of gen. func.: ogf

$$\{(-27 n^3 - 270 n^2 - 897 n - 990) a(n + 1) + (4 n^2 + 34 n + 72) a(n + 2),$$
$$a(0) = 1, a(1) = 8\}$$

Sequence: A076217
Score: 6.94453
Type of gen. func.: ogf

$$- (27 x^{28} + 54 x^{27} + 27 x^{26} + 9 x^{10} + 18 x^9 + 9 x^8 + 3 x^4 + 6 x^3 + 5 x^2 + 4 x + 1) / ((x - 1) (x + 1)^2)$$

Sequence: A076218
Score: 4.79587
Type of gen. func.: ogf

$$\{-a(n + 4) + 35 a(n + 3) - 35 a(n + 2) + a(n + 1), a(0) = 0, a(1) = 1, a(2) = 5,$$
$$a(3) = 145\}$$

Sequence: A076218
Score: 5.05815
Type of gen. func.: ogf

$$-(7920 f(x) + 5519)$$

$$(f(x)\, x^3 - 35\, f(x)\, x^2 + 5\, x^3 + 35\, f(x)\, x - 30\, x^2 - f(x) + x)$$

Sequence: A076218
Score: 8.67671
Type of gen. func.: lgdogf

$$-\frac{5\, x^4 - 60\, x^3 + 878\, x^2 - 60\, x + 5}{(x - 1)\, (x^2 - 34\, x + 1)\, (5\, x^2 - 30\, x + 1)}$$

Sequence: A076218
Score: 9.52122
Type of gen. func.: ogf

$$-\frac{x\, (5\, x^2 - 30\, x + 1)}{(x - 1)\, (x^2 - 34\, x + 1)}$$

Sequence: A076264
Score: 19.0549
Type of gen. func.: ogf

$$\frac{1}{x^3 - 3\, x + 1}$$

Sequence: A076264
Score: 22.8067
Type of gen. func.: lgdogf

$$-\frac{3\, (x - 1)\, (x + 1)}{x^3 - 3\, x + 1}$$

Sequence: A076264
Score: 6.68950
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A076264
Score: 7.3978
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^3 - 3 f(x) x + f(x) - 1)$$

Sequence: A076293
Score: 6.38626
Type of gen. func.: lgdogf

$$- \frac{x^8 + 11 x^7 + 17 x^6 + 18 x^5 + 6 x^4 - 30 x^3 - 23 x^2 - 13 x - 7}{(x + 1) (x^6 - 6 x^3 + 1) (x^2 + 3 x + 1)}$$

Sequence: A076293
Score: 9.34698
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 3 x + 1)^2}{x^6 - 6 x^3 + 1}$$

Sequence: A076294
Score: 9.63800
Type of gen. func.: ogf

$$- \frac{(x - 1) (5 x^4 + 12 x^3 + 25 x^2 + 12 x + 5)}{x^6 - 6 x^3 + 1}$$

Sequence: A076295
Score: 7.14302
Type of gen. func.: ogf

$$- \frac{3 x^6 - 3 x^5 - 5 x^4 - 21 x^3 + 5 x^2 + 3 x + 4}{}$$

$$(x - 1) (x^{6} - 6 x^{3} + 1)$$

Sequence: A076296
Score: 7.04605
Type of gen. func.: ogf

$$\frac{4 x^{6} + 3 x^{5} + 5 x^{4} - 21 x^{3} - 5 x^{2} - 3 x + 3}{(x - 1) (x^{6} - 6 x^{3} + 1)}$$

Sequence: A076301
Score: 16.7408
Type of gen. func.: lgdegf]

$$- \frac{3 x^{2} - 2 x + 2}{(x - 1) (3 x^{2} - 4 x + 2)}$$

Sequence: A076301
Score: 3.41866
Type of gen. func.: ogf

$$\{(-3 n^{2} - 12 n - 12) a(n + 1) + (n^{2} + 11 n + 19) a(n + 2) + (-3 - n) a(n + 3),$$

$$a(0) = 1, a(1) = 1, a(2) = 3\}$$

Sequence: A076301
Score: 5.05367
Type of gen. func.: egf]

$$-(2 f(x) + 3) (2 f(x) x^{3} - 6 f(x) x^{2} + 6 f(x) x + 3 x^{2} - 2 f(x) - 4 x + 2)$$

Sequence: A076301
Score: 9.52741
Type of gen. func.: egf]

$$- \frac{3 x^{2} - 4 x + 2}{\;}$$

$$2 (x - 1)^3$$

Sequence: A076307
Score: 6.29839
Type of gen. func.: ogf

$$- \frac{2 x^{12} + 2 x^9 + x^8 + x^7 + 2 x^6 - x^5 + 2 x^4 + 2 x^3 + 1}{(x + 1) (x^4 - x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^3}$$

Sequence: A076309
Score: 5.38578
Type of gen. func.: ogf

$$\frac{x (19 x^9 - 2 x^8 - 2 x^7 - 2 x^6 - 2 x^5 - 2 x^4 - 2 x^3 - 2 x^2 - 2 x - 2)}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A076310
Score: 7.28792
Type of gen. func.: ogf

$$- \frac{x (35 x^9 - 4 x^8 - 4 x^7 - 4 x^6 - 4 x^5 - 4 x^4 - 4 x^3 - 4 x^2 - 4 x - 4)}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A076311
Score: 5.25187
Type of gen. func.: ogf

$$\frac{x (46 x^9 - 5 x^8 - 5 x^7 - 5 x^6 - 5 x^5 - 5 x^4 - 5 x^3 - 5 x^2 - 5 x - 5)}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A076312
Score: 7.24957
Type of gen. func.: ogf

$$-\frac{x\,(17\,x^9-2\,x^8-2\,x^7-2\,x^6-2\,x^5-2\,x^4-2\,x^3-2\,x^2-2\,x-2)}{(x+1)\,(x^4+x^3+x^2+x+1)\,(x^4-x^3+x^2-x+1)\,(x-1)^2}$$

Sequence: A076313
Score: 5.86430
Type of gen. func.: ogf

$$\frac{x\,(10\,x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)}{(x+1)\,(x^4+x^3+x^2+x+1)\,(x^4-x^3+x^2-x+1)\,(x-1)^2}$$

Sequence: A076314
Score: 7.52722
Type of gen. func.: ogf

$$-\frac{x\,(8\,x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)}{(x+1)\,(x^4+x^3+x^2+x+1)\,(x^4-x^3+x^2-x+1)\,(x-1)^2}$$

Sequence: A076338
Score: 12.9606
Type of gen. func.: lgdogf

$$-\frac{-511\,x-513}{-511\,x^2+510\,x+1}$$

Sequence: A076338
Score: 15.4424
Type of gen. func.: ogf

$$\frac{511\,x+1}{(x-1)^2}$$

Sequence: A076338
Score: 18.2398

Type of gen. func.: revogf

$$-\frac{-1 - 2 x + (2048 x + 1)^{1/2}}{2 (-511 + x)}$$

Sequence: A076338
Score: 25.4054
Type of gen. func.: lgdogf

$$-\frac{513 + 511 x}{(511 x + 1) (x - 1)}$$

Sequence: A076338
Score: 7.63994
Type of gen. func.: ogf

$$(1024 f(x) + 262145) (f(x) x^2 - 2 f(x) x + f(x) - 511 x - 1)$$

Sequence: A076338
Score: 8.64042
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 513\}$$

Sequence: A076389
Score: 12.4527
Type of gen. func.: lgdogf

$$-\frac{10 (2 x^3 + 17 x^2 + 20 x + 3)}{(x - 1) (5 x^3 + 31 x^2 + 23 x + 1)}$$

Sequence: A076389
Score: 3.54547
Type of gen. func.: ogf

$$\{(71 n^2 + 544 n + 1040) a(n + 1) + (-41 n^2 + 165 n + 596) a(n + 2)$$

$+ (-30 n^2 - 103 n - 86) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 30\}$

Sequence: A076389
Score: 6.03687
Type of gen. func.: ogf

$$-\frac{x (5 x^3 + 31 x^2 + 23 x + 1)}{(x - 1)^7}$$

Sequence: A076389
Score: 7.61469
Type of gen. func.: lgdogf

$$-\frac{20 x^3 + 170 x^2 + 200 x + 30}{5 x^4 + 26 x^3 - 8 x^2 - 22 x - 1}$$

Sequence: A076441
Score: 10.2272
Type of gen. func.: ogf

$$\frac{x^9 - 2 x^8 - x^6 - x^3 - 2 x^2 - 2 x - 2}{(x^6 + x^3 + 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A076441
Score: 7.59904
Type of gen. func.: lgdogf

$$(2 x^{16} + 3 x^{14} + 6 x^{11} + 14 x^{10} + 16 x^9 + 9 x^8 + 16 x^7 + 6 x^5 + 3 x^2 + 4 x + 2) / ((x - 1) (x^2 + x + 1) (x^9 - 2 x^8 - x^6 - x^3 - 2 x^2 - 2 x - 2) (x^6 + x^3 + 1))$$

Sequence: A076447
Score: 7.74210
Type of gen. func.: ogf

$$\frac{x^{10} - x^{9} - 2 x^{8} + x^{7} + x^{6} - x^{4} + x^{3} - 2}{(x - 1) (x + 1) (x^{2} - x + 1) (x^{6} - x^{3} + 1)}$$

Sequence: A076451
Score: 4.87169
Type of gen. func.: ogf

$$(x^{19} - x^{18} - x^{16} - x^{15} + 2 x^{14} - x^{13} + x^{12} - x^{10} + x^{9} - x^{7} + x^{6} - 2 x^{5} + x^{4} + x^{3} - 2) / ((x - 1) (x^{2} + 1) (x^{4} - x^{2} + 1) (x^{12} - x^{6} + 1))$$

Sequence: A076452
Score: 9.75213
Type of gen. func.: ogf

$$\frac{x (x^{7} - x^{6} - 2 x^{5} - x^{4} + x^{3} - x - 1)}{(x^{6} + x^{3} + 1) (x - 1) (x^{2} + x + 1)}$$

Sequence: A076453
Score: 9.80631
Type of gen. func.: ogf

$$- \frac{(x^{6} - 2 x^{5} + 2 x^{4} - x^{3} + 2 x^{2} - 2 x + 1) (x + 1)^{2}}{(x^{6} + x^{3} + 1) (x - 1) (x^{2} + x + 1)}$$

Sequence: A076454
Score: 10.5619
Type of gen. func.: ogf

$$- \frac{7 x^{2} + 16 x + 1}{(x - 1)^{5}}$$

Sequence: A076454
Score: 12.4258
Type of gen. func.: lgdogf

$$-\frac{21 x^2 + 78 x + 21}{7 x^3 + 9 x^2 - 15 x - 1}$$

Sequence: A076454
Score: 21.8556
Type of gen. func.: lgdogf

$$-\frac{3 (7 x^2 + 26 x + 7)}{(x - 1) (7 x^2 + 16 x + 1)}$$

Sequence: A076454
Score: 4.12173
Type of gen. func.: ogf

{(n + 4) a(n + 4) + (24 + 15 n) a(n + 3) + (-96 - 9 n) a(n + 2)

+ (-28 - 7 n) a(n + 1), a(0) = 1, a(1) = 21, a(2) = 102, a(3) = 310}

Sequence: A076455
Score: 10.4403
Type of gen. func.: lgdogf

$$-\frac{33 x^2 + 150 x + 57}{11 x^3 + 21 x^2 - 27 x - 5}$$

Sequence: A076455
Score: 17.7384
Type of gen. func.: lgdogf

$$-\frac{3 (11 x^2 + 50 x + 19)}{}$$

$$(x - 1) (11 x^2 + 32 x + 5)$$

Sequence: A076455
Score: 3.54670
Type of gen. func.: ogf

$$\{(5 n + 20) a(n + 4) + (24 + 27 n) a(n + 3) + (-192 - 21 n) a(n + 2)$$

$$+ (-44 - 11 n) a(n + 1), a(0) = 5, a(1) = 57, a(2) = 246, a(3) = 710\}$$

Sequence: A076455
Score: 9.15136
Type of gen. func.: ogf

$$- \frac{11 x^2 + 32 x + 5}{(x - 1)^5}$$

Sequence: A076456
Score: 11.5501
Type of gen. func.: lgdogf

$$- \frac{15 x^2 + 74 x + 31}{5 x^3 + 11 x^2 - 13 x - 3}$$

Sequence: A076456
Score: 21.1582
Type of gen. func.: lgdogf

$$- \frac{15 x^2 + 74 x + 31}{(x - 1) (5 x + 1) (x + 3)}$$

Sequence: A076456
Score: 3.85003
Type of gen. func.: ogf

$$\{(3 n + 12) a(n + 4) + (8 + 13 n) a(n + 3) + (-96 - 11 n) a(n + 2)$$

$+ (-20 - 5 n) a(n + 1), a(0) = 9, a(1) = 93, a(2) = 390, a(3) = 1110\}$

Sequence: A076456
Score: 9.83898
Type of gen. func.: ogf

$$-\frac{3 (x + 3) (5 x + 1)}{(x - 1)^5}$$

Sequence: A076457
Score: 11.2071
Type of gen. func.: lgdogf

$$-\frac{57 x^2 + 294 x + 129}{19 x^3 + 45 x^2 - 51 x - 13}$$

Sequence: A076457
Score: 19.1431
Type of gen. func.: lgdogf

$$-\frac{3 (19 x^2 + 98 x + 43)}{(x - 1) (19 x^2 + 64 x + 13)}$$

Sequence: A076457
Score: 3.84092
Type of gen. func.: ogf

$\{(13 n + 52) a(n + 4) + (24 + 51 n) a(n + 3) + (-384 - 45 n) a(n + 2)$

$+ (-76 - 19 n) a(n + 1), a(0) = 13, a(1) = 129, a(2) = 534, a(3) = 1510\}$

Sequence: A076457
Score: 9.97702
Type of gen. func.: ogf

$$-\frac{19 x^2 + 64 x + 13}{}$$

$$(x - 1)^5$$

Sequence: A076458
Score: 10.3497
Type of gen. func.: lgdogf

$$-\frac{69 x^2 + 366 x + 165}{23 x^3 + 57 x^2 - 63 x - 17}$$

Sequence: A076458
Score: 17.2481
Type of gen. func.: lgdogf

$$-\frac{3 (23 x^2 + 122 x + 55)}{(x - 1) (23 x^2 + 80 x + 17)}$$

Sequence: A076458
Score: 3.54709
Type of gen. func.: ogf

$$\{(17 n + 68) a(n + 4) + (24 + 63 n) a(n + 3) + (-480 - 57 n) a(n + 2)$$

$$+ (-92 - 23 n) a(n + 1), a(0) = 17, a(1) = 165, a(2) = 678, a(3) = 1910\}$$

Sequence: A076458
Score: 9.21379
Type of gen. func.: ogf

$$-\frac{23 x^2 + 80 x + 17}{(x - 1)^5}$$

Sequence: A076459
Score: 14.6331
Type of gen. func.: lgdogf

3   2

$$-\frac{3\,(5\,x + 89\,x + 127\,x + 19)}{(x-1)\,(5\,x^{3} + 63\,x^{2} + 51\,x + 1)}$$

Sequence: A076459
Score: 4.06087
Type of gen. func.: ogf

$$\{(493\,n^{2} + 4167\,n + 8780)\,a(n+1) + (-566\,n^{2} - 2440\,n - 3072)\,a(n+2) + (73\,n^{2} + 373\,n + 462)\,a(n+3),\ a(0) = 1,\ a(1) = 57,\ a(2) = 390\}$$

Sequence: A076459
Score: 8.20461
Type of gen. func.: ogf

$$\frac{5\,x^{3} + 63\,x^{2} + 51\,x + 1}{(x-1)^{6}}$$

Sequence: A076459
Score: 9.03429
Type of gen. func.: lgdogf

$$-\frac{15\,x^{3} + 267\,x^{2} + 381\,x + 57}{5\,x^{4} + 58\,x^{3} - 12\,x^{2} - 50\,x - 1}$$

Sequence: A076460
Score: 10.2791
Type of gen. func.: lgdogf

$$-\frac{75\,x^{4} + 1252\,x^{3} + 3014\,x^{2} + 1436\,x + 103}{(x-1)\,(25\,x^{4} + 288\,x^{3} + 430\,x^{2} + 96\,x + 1)}$$

Sequence: A076460
Score: 6.67801

Type of gen. func.: ogf

$$-\frac{25 x^4 + 288 x^3 + 430 x^2 + 96 x + 1}{(x - 1)^7}$$

Sequence: A076460
Score: 6.85072
Type of gen. func.: lgdogf

$$-\frac{-75 x^4 - 1252 x^3 - 3014 x^2 - 1436 x - 103}{-25 x^5 - 263 x^4 - 142 x^3 + 334 x^2 + 95 x + 1}$$

Sequence: A076461
Score: 6.60977
Type of gen. func.: ogf

$$-\frac{61 x^4 + 864 x^3 + 1582 x^2 + 480 x + 13}{(x - 1)^7}$$

Sequence: A076461
Score: 9.79091
Type of gen. func.: lgdogf

$$-\frac{183 x^4 + 3700 x^3 + 10502 x^2 + 6044 x + 571}{(x - 1) (61 x^4 + 864 x^3 + 1582 x^2 + 480 x + 13)}$$

Sequence: A076462
Score: 6.02097
Type of gen. func.: ogf

$$-\frac{113 x^4 + 1760 x^3 + 3502 x^2 + 1184 x + 41}{(x - 1)^7}$$

Sequence: A076462
Score: 8.59987
Type of gen. func.: lgdogf

$$-\frac{339 x^{4} + 7492 x^{3} + 22790 x^{2} + 14108 x + 1471}{(x - 1) (113 x^{4} + 1760 x^{3} + 3502 x^{2} + 1184 x + 41)}$$

Sequence: A076463
Score: 5.81974
Type of gen. func.: ogf

$$-\frac{181 x^{4} + 2976 x^{3} + 6190 x^{2} + 2208 x + 85}{(x - 1)^{7}}$$

Sequence: A076463
Score: 8.21369
Type of gen. func.: lgdogf

$$-\frac{543 x^{4} + 12628 x^{3} + 39878 x^{2} + 25628 x + 2803}{(x - 1) (181 x^{4} + 2976 x^{3} + 6190 x^{2} + 2208 x + 85)}$$

Sequence: A076464
Score: 5.85019
Type of gen. func.: ogf

$$-\frac{265 x^{4} + 4512 x^{3} + 9646 x^{2} + 3552 x + 145}{(x - 1)^{7}}$$

Sequence: A076464
Score: 8.23009
Type of gen. func.: lgdogf

$$-\frac{795 x^{4} + 19108 x^{3} + 61766 x^{2} + 40604 x + 4567}{{}^{4}\qquad{}^{3}\qquad{}^{2}}$$

$$(x - 1) (265 x + 4512 x + 9646 x + 3552 x + 145)$$

Sequence: A076465
Score: 4.46076
Type of gen. func.: ogf

$$- \frac{13 x^6 + 1354 x^5 + 11255 x^4 + 19300 x^3 + 7835 x^2 + 562 x + 1}{(x - 1)^9}$$

Sequence: A076505
Score: 10.3060
Type of gen. func.: lgdogf

$$\frac{2 (108 x^4 + 48 x^3 + 18 x^2 + 9 x + 1)}{(x - 1) (12 x^2 + 3 x + 1) (24 x^3 - 1)}$$

Sequence: A076505
Score: 11.2282
Type of gen. func.: ogf

$$\frac{(x - 1) (12 x^2 + 3 x + 1)}{24 x^3 - 1}$$

Sequence: A076505
Score: 6.75984
Type of gen. func.: ogf

$$\{-a(n + 4) + 24 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 9, a(3) = 12\}$$

Sequence: A076505
Score: 7.3607
Type of gen. func.: ogf

$$(3632 f(x) - 687) (24 f(x) x^3 - 12 x^3 + 9 x^2 - f(x) + 2 x + 1)$$

Sequence: A076506
Score: 10.8032
Type of gen. func.: lgdogf

$$-\frac{3\,(96\,x^4 + 48\,x^3 + 24\,x^2 + 8\,x + 1)}{(12\,x^2 + 3\,x + 1)\,(24\,x^3 - 1)}$$

Sequence: A076506
Score: 12.3297
Type of gen. func.: ogf

$$-\frac{12\,x^2 + 3\,x + 1}{24\,x^3 - 1}$$

Sequence: A076506
Score: 8.06171
Type of gen. func.: ogf

$$\{-a(n + 3) + 24\,a(n),\ a(0) = 1,\ a(1) = 3,\ a(2) = 12\}$$

Sequence: A076506
Score: 8.1664
Type of gen. func.: ogf

$$(7\,f(x) - 1)\,(24\,f(x)\,x^3 + 12\,x^2 - f(x) + 3\,x + 1)$$

Sequence: A076507
Score: 7.01744
Type of gen. func.: ogf

$$-(393\,f(x) - 2)\,(24\,f(x)\,x^3 - 16\,x^3 + 8\,x^2 - f(x) + 6\,x + 2)$$

Sequence: A076508
Score: 11.4034
Type of gen. func.: lgdogf

$$-\frac{4 (48 x^4 + 48 x^3 + 18 x^2 + 4 x + 1)}{(8 x^2 + 4 x + 1) (24 x^3 - 1)}$$

Sequence: A076508
Score: 12.7769
Type of gen. func.: ogf

$$-\frac{2 (8 x^2 + 4 x + 1)}{24 x^3 - 1}$$

Sequence: A076508
Score: 7.75737
Type of gen. func.: ogf

$$-(63 f(x) - 206) (24 f(x) x^3 + 16 x^2 - f(x) + 8 x + 2)$$

Sequence: A076508
Score: 8.35410
Type of gen. func.: ogf

$$\{a(n + 3) - 24 a(n), a(0) = 2, a(1) = 8, a(2) = 16\}$$

Sequence: A076509
Score: 10.6026
Type of gen. func.: lgdogf

$$\frac{96 x^4 + 48 x^3 + 54 x^2 + 8 x + 1}{(x - 1) (6 x^2 + 2 x + 1) (24 x^3 - 1)}$$

Sequence: A076509
Score: 10.6431
Type of gen. func.: ogf

$$\frac{3 (x - 1) (6 x + 2 x + 1)}{24 x^3 - 1}$$

Sequence: A076509
Score: 6.45038
Type of gen. func.: ogf

$$\{-a(n + 4) + 24 a(n + 1), a(0) = 3, a(1) = 3, a(2) = 12, a(3) = 54\}$$

Sequence: A076509
Score: 6.86653
Type of gen. func.: ogf

$$-(29 f(x) - 100) (24 f(x) x^3 - 18 x^3 + 12 x^2 - f(x) + 3 x + 3)$$

Sequence: A076510
Score: 11.4615
Type of gen. func.: lgdogf

$$-\frac{2 (72 x^4 + 48 x^3 + 36 x^2 + 6 x + 1)}{(6 x^2 + 2 x + 1) (24 x^3 - 1)}$$

Sequence: A076510
Score: 12.8407
Type of gen. func.: ogf

$$-\frac{3 (6 x^2 + 2 x + 1)}{24 x^3 - 1}$$

Sequence: A076510
Score: 8.28959
Type of gen. func.: ogf

$$(16 f(x) - 15) (24 f(x) x^3 + 18 x^2 - f(x) + 6 x + 3)$$

Sequence: A076510
Score: 8.39587
Type of gen. func.: ogf

$$\{-a(n + 3) + 24\, a(n),\ a(0) = 3,\ a(1) = 6,\ a(2) = 18\}$$

Sequence: A076536
Score: 5.50731
Type of gen. func.: ogf

$$(2 x^{14} + x^{13} + 2 x^{12} + 2 x^{11} + 20 x^{10} + 4 x^{9} + 5 x^{8} + x^{7} + 34 x^{6} + 5 x^{5} + 4 x^{4} + 4 x^{3} + 16 x^{2} + 2 x + 1) \Big/ ((x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2} (x^{4} + 1)^{2})$$

Sequence: A076540
Score: 6.97294
Type of gen. func.: ogf

$$4 x^{3} f(x)^{2} - f(x)^{2} x^{2} - 4 f(x) x^{2} + 5 f(x) x + x^{2} - f(x) - 2 x + 1$$

Sequence: A076612
Score: 5.95498
Type of gen. func.: ogf

$$- (81 x^{11} - 9 x^{10} - 18 x^{9} - 18 x^{8} - 27 x^{7} - 9 x^{6} - 92 x^{5} - x^{4} - 2 x^{3} - 2 x^{2} - 3 x - 1) \Big/ ((x^{2} - x + 1) (x^{2} + x + 1) (x + 1) (x - 1)^{2})$$

Sequence: A076616
Score: 11.0378
Type of gen. func.: ogf

$$\frac{2 x^{3} (4 x^{2} - 2 x - 1)}{(2 x - 1)^{3}}$$

Sequence: A076616
Score: 13.7973
Type of gen. func.: lgdogf

$$-\frac{-8 x^{2} + 8}{-8 x^{3} + 8 x^{2} - 1}$$

Sequence: A076616
Score: 4.06657
Type of gen. func.: ogf

$$\{(-28 n^{2} - 172 n + 200) a(n + 1) + (-24 n^{2} - 48 n - 200) a(n + 2) + (19 n^{2} + 15 n) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 2\}$$

Sequence: A076616
Score: 6.89863
Type of gen. func.: ogf

$$f(x) (-8 x^{5} + 8 f(x) x^{3} + 4 x^{4} - 12 f(x) x^{2} + 2 x^{3} + 6 f(x) x - f(x))$$

Sequence: A076622
Score: 11.5795
Type of gen. func.: lgdogf

$$\frac{2 x (39 x^{41} - 41 x^{39} + 10 x^{12} - 12 x^{10} + x^{3} - 3 x - 1)}{(x - 1) (x + 1) (2 x^{41} + 2 x^{12} + 2 x^{3} + 1)}$$

Sequence: A076622
Score: 15.6610
Type of gen. func.: ogf

$$-\frac{2 x^{41} + 2 x^{12} + 2 x^{3} + 1}{(x - 1) (x + 1)}$$

Sequence: A076641
Score: 4.49050
Type of gen. func.: ogf

$$-(81 x^{18} - 9 x^{17} - 9 x^{16} - 9 x^{15} - 9 x^{14} - 9 x^{13} - 9 x^{12} - 9 x^{11} - 9 x^{10} - x^{9} - x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 1) / ((x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2})$$

Sequence: A076684
Score: 4.19325
Type of gen. func.: ogf

$$(32735 f(x) - 4556) (f(x) x^{3} - 19 f(x) x^{2} + 19 f(x) x + x^{2} - f(x) + 14 x + 1)$$

Sequence: A076684
Score: 4.33662
Type of gen. func.: ogf

$$\{a(n + 3) - 19 a(n + 2) + 19 a(n + 1) - a(n), a(0) = 1, a(1) = 33, a(2) = 609\}$$

Sequence: A076684
Score: 7.92788
Type of gen. func.: ogf

$$-\frac{x^{2} + 14 x + 1}{(x - 1) (x^{2} - 18 x + 1)}$$

Sequence: A076684
Score: 8.13596
Type of gen. func.: lgdogf

$$-\frac{x^{4} + 28 x^{3} - 282 x^{2} - 36 x + 33}{(x - 1) (x^{2} + 14 x + 1) (x^{2} - 18 x + 1)}$$

Sequence: A076708
Score: 10.9219
Type of gen. func.: lgdogf

$$-\frac{2\,(x^3 - 11\,x^2 + 35\,x - 17)}{(x - 5)\,(x - 1)\,(x^2 - 6\,x + 1)}$$

Sequence: A076708
Score: 12.7070
Type of gen. func.: ogf

$$\frac{x\,(x - 5)}{(x - 1)\,(x^2 - 6\,x + 1)}$$

Sequence: A076708
Score: 6.46695
Type of gen. func.: ogf

$$\{-a(n + 3) + 7\,a(n + 2) - 7\,a(n + 1) + a(n),\ a(0) = 0,\ a(1) = 5,\ a(2) = 34\}$$

Sequence: A076708
Score: 7.03203
Type of gen. func.: ogf

$$-f(x)\,(f(x)\,x^3 - 7\,f(x)\,x^2 + 7\,f(x)\,x - x^2 - f(x) + 5\,x)$$

Sequence: A076708
Score: 8.42207
Type of gen. func.: lgdogf

$$-\frac{2\,x^3 - 22\,x^2 + 70\,x - 34}{x^4 - 12\,x^3 + 42\,x^2 - 36\,x + 5}$$

Sequence: A076729

Score: 11.3328
Type of gen. func.: lgdegf]

$$-\frac{12 x - 4}{8 x^2 - 6 x + 1}$$

Sequence: A076729
Score: 19.4277
Type of gen. func.: lgdegf]

$$-\frac{4 (3 x - 1)}{(4 x - 1) (2 x - 1)}$$

Sequence: A076729
Score: 3.80349
Type of gen. func.: ogf

$$\{(8 n^2 + 36 n + 40) a(n + 1) + (-6 n - 16) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 4, a(2) = 28\}$$

Sequence: A076729
Score: 6.69048
Type of gen. func.: egf]

$$16 x^3 f(x)^2 - 20 f(x)^2 x^2 + 8 f(x)^2 x - f(x)^2 + 1$$

Sequence: A076736
Score: 12.9459
Type of gen. func.: lgdogf

$$\frac{4 x^5 - 4 x^3 + 2 x^2 + 2 x + 1}{(x - 1) (2 x^2 - 1) (x^3 + x^2 + 2 x + 1)}$$

Sequence: A076736
Score: 13.2115
Type of gen. func.: ogf

$$\frac{(x - 1) (x^3 + x^2 + 2 x + 1)}{2 x^2 - 1}$$

Sequence: A076736
Score: 6.97272
Type of gen. func.: ogf

{a(n + 5) - 2 a(n + 3), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 2, a(4) = 1}

Sequence: A076736
Score: 7.84431
Type of gen. func.: lgdogf

$$- \frac{4 x^5 - 4 x^3 + 2 x^2 + 2 x + 1}{-2 x^6 - x^4 + 2 x^3 + 3 x^2 - x - 1}$$

Sequence: A076736
Score: 8.96493
Type of gen. func.: ogf

$$(5 f(x) + 11) (-x^4 + 2 f(x) x^2 - x^2 - f(x) + x + 1)$$

Sequence: A076737
Score: 6.51265
Type of gen. func.: lgdogf

$$\frac{32 x^9 - 80 x^7 + 20 x^6 + 78 x^5 + x^4 - 28 x^3 - 5 x^2 + 4 x + 2}{(x - 1) (2 x + 1) (2 x - 1) (x + 1) (4 x^6 + x^4 - 5 x^3 - 8 x^2 + 2 x + 2)}$$

Sequence: A076737
Score: 9.09888
Type of gen. func.: ogf

$$4 x^6 + x^4 - 5 x^3 - 8 x^2 + 2 x + 2$$

$$\overline{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A076738
Score: 10.7647
Type of gen. func.: ogf

$$\{-a(n + 3) + 9 a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A076738
Score: 12.2107
Type of gen. func.: ogf

$$f(x) (9 f(x) x^3 + 6 x^2 - f(x) + 2 x + 1)$$

Sequence: A076738
Score: 14.8891
Type of gen. func.: lgdogf

$$-\frac{54 x^4 + 36 x^3 + 27 x^2 + 12 x + 2}{(6 x^2 + 2 x + 1) (9 x^3 - 1)}$$

Sequence: A076738
Score: 16.6962
Type of gen. func.: ogf

$$-\frac{6 x^2 + 2 x + 1}{9 x^3 - 1}$$

Sequence: A076738
Score: 8.02075
Type of gen. func.: lgdogf

$$-\frac{-54 x^4 - 36 x^3 - 27 x^2 - 12 x - 2}{-54 x^5 - 18 x^4 - 9 x^3 + 6 x^2 + 2 x + 1}$$

Sequence: A076739
Score: 5.27648
Type of gen. func.: ogf

$$-\frac{x^{13}-x^{5}-1}{x^{16}+x^{15}+x^{14}-3x^{13}-x^{10}-2x^{8}-x^{7}-x^{6}-x^{3}-x^{2}-x+1}$$

Sequence: A076758
Score: 14.4624
Type of gen. func.: lgdogf

$$-\frac{2(2x^{3}+49x^{2}+124x+49)}{(x-1)(x^{3}+19x^{2}+35x+9)}$$

Sequence: A076758
Score: 3.79277
Type of gen. func.: ogf

$$\{(761n^{2}+6372n+13312)a(n+1)+(-1314n^{2}-7944n-19272)a(n+2)$$

$$+(553n^{2}+2820n+3428)a(n+3),\ a(0)=0,\ a(1)=9,\ a(2)=98\}$$

Sequence: A076758
Score: 6.86798
Type of gen. func.: ogf

$$-\frac{x(x^{3}+19x^{2}+35x+9)}{(x-1)^{7}}$$

Sequence: A076758
Score: 8.76260
Type of gen. func.: lgdogf

$$4x^{3}+98x^{2}+248x+98$$

```
                    - -----------------------------
                       4       3       2
                      x  + 18 x  + 16 x  - 26 x - 9
```

Sequence: A076765
Score: 16.5980
Type of gen. func.: ogf

$$-\frac{1}{(x-1)\,(x^2-8x+1)}$$

Sequence: A076765
Score: 18.8169
Type of gen. func.: lgdogf

$$-\frac{3\,(x^2-6x+3)}{(x-1)\,(x^2-8x+1)}$$

Sequence: A076765
Score: 5.43473
Type of gen. func.: ogf

$$\{a(n+3)-9\,a(n+2)+9\,a(n+1)-a(n),\ a(0)=1,\ a(1)=9,\ a(2)=72\}$$

Sequence: A076765
Score: 5.96238
Type of gen. func.: ogf

$$(3913\,f(x)-25)\,(f(x)\,x^3-9\,f(x)\,x^2+9\,f(x)\,x-f(x)+1)$$

Sequence: A076765
Score: 9.44808
Type of gen. func.: lgdogf

$$-\frac{3x^2-18x+9}{x^3-9x^2+9x-1}$$

Sequence: A076767
Score: 13.0815
Type of gen. func.: lgdogf

$$-\frac{5 (8 x^3 + 27 x^2 + 18 x + 3)}{(x - 1) (10 x^3 + 21 x^2 + 8 x + 1)}$$

Sequence: A076767
Score: 3.73213
Type of gen. func.: ogf

$$\{(19 n^2 + 121 n + 180) a(n + 1) + (-14 n^2 + 41 n + 100) a(n + 2) + (-5 n^2 - 18 n - 16) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 15\}$$

Sequence: A076767
Score: 6.22022
Type of gen. func.: ogf

$$-\frac{x (10 x^3 + 21 x^2 + 8 x + 1)}{(x - 1)^7}$$

Sequence: A076767
Score: 7.84595
Type of gen. func.: lgdogf

$$-\frac{-40 x^3 - 135 x^2 - 90 x - 15}{-10 x^4 - 11 x^3 + 13 x^2 + 7 x + 1}$$

Sequence: A076770
Score: 10.7800
Type of gen. func.: ogf

$$2 (x^6 - x^5 + x^4 + x^3 + 6 x - 9)$$

$$-\frac{}{(x-1)^{2}}$$

Sequence: A076770
Score: 12.2830
Type of gen. func.: lgdogf

$$\frac{4 x^{6} - 9 x^{5} + 7 x^{4} - 3 x^{3} - 3 x^{2} - 6 x + 12}{(x - 1) (x^{6} - x^{5} + x^{4} + x^{3} + 6 x - 9)}$$

Sequence: A076795
Score: 3.82998
Type of gen. func.: ogf

$$\{(-2 n - 3) a(n + 1) + (2 n + 4) a(n + 2) - a(n + 3), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A076808
Score: 3.80113
Type of gen. func.: ogf

$$-(3469677703983 f(x) + 1412311071630687697) (f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 13301 x^{3} - 4 f(x) x + 29515 x^{2} + f(x) - 22567 x + 5861)$$

Sequence: A076808
Score: 7.68490
Type of gen. func.: ogf

$$\frac{13301 x^{3} - 29515 x^{2} + 22567 x - 5861}{(x - 1)^{4}}$$

Sequence: A076808
Score: 9.33439
Type of gen. func.: lgdogf

$$-\frac{13301 x^3 - 19127 x^2 + 8671 x - 877}{(x - 1) (13301 x^3 - 29515 x^2 + 22567 x - 5861)}$$

Sequence: A076809
Score: 6.12963
Type of gen. func.: lgdogf

$$-\frac{x^4 - 3172 x^3 - 5232 x^2 - 256 x + 8779}{(x - 1) (x^4 - 1588 x^3 - 156 x^2 + 14 x + 1753)}$$

Sequence: A076809
Score: 7.89788
Type of gen. func.: lgdogf

$$-\frac{x^4 - 3172 x^3 - 5232 x^2 - 256 x + 8779}{x^5 - 1589 x^4 + 1432 x^3 + 170 x^2 + 1739 x - 1753}$$

Sequence: A076809
Score: 9.18888
Type of gen. func.: ogf

$$-\frac{x^4 - 1588 x^3 - 156 x^2 + 14 x + 1753}{(x - 1)^5}$$

Sequence: A076817
Score: 4.51669
Type of gen. func.: ogf

$$-\frac{20 x^{10} + 20 x^9 + 30 x^8 - 5 x^7 + 13 x^6 - 5 x^5 + 30 x^4 + 20 x^3 + 20 x^2 + 10}{(x - 1) (x^4 - x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1)}$$

Sequence: A076824

Score: 15.2507
Type of gen. func.: ogf

$$-\frac{3x^4+5x^3+3x^2+x+1}{(x-1)(x^4+x^3+x^2+x+1)}$$

Sequence: A076824
Score: 9.63047
Type of gen. func.: lgdogf

$$-\frac{3x^8+10x^7+9x^6+4x^5+5x^4+12x^3+15x^2+6x+1}{(x-1)(x^4+x^3+x^2+x+1)(3x^4+5x^3+3x^2+x+1)}$$

Sequence: A076839
Score: 11.5795
Type of gen. func.: lgdogf

$$-\frac{(x^2+x+1)(2x^6+4x^5+5x^2+3x+1)}{(x-1)(x^4+x^3+x^2+x+1)(2x^4+3x^3+2x^2+x+1)}$$

Sequence: A076839
Score: 15.2507
Type of gen. func.: ogf

$$-\frac{2x^4+3x^3+2x^2+x+1}{(x-1)(x^4+x^3+x^2+x+1)}$$

Sequence: A076840
Score: 13.5794
Type of gen. func.: ogf

$$-\frac{2x^5+3x^4+5x^3+2x^2+x+1}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A076840
Score: 7.54014
Type of gen. func.: lgdogf

$$-\left(2x^{10}+6x^{9}+15x^{8}+8x^{7}+5x^{6}+6x^{5}+10x^{4}+12x^{3}+15x^{2}+4x+1\right)\Big/\left((x-1)(x+1)(x^{2}+x+1)(x^{2}-x+1)(2x^{5}+3x^{4}+5x^{3}+2x^{2}+x+1)\right)$$

Sequence: A076841
Score: 10.8751
Type of gen. func.: ogf

$$-\frac{2x^{7}+3x^{6}+14x^{5}+5x^{4}+9x^{3}+2x^{2}+x+1}{(x-1)(x+1)(x^{2}+1)(x^{4}+1)}$$

Sequence: A076844
Score: 11.1381
Type of gen. func.: ogf

$$-\frac{3x^{7}+5x^{6}+9x^{5}+5x^{4}+3x^{3}+x^{2}+x+1}{(x-1)(x+1)(x^{2}+1)(x^{4}+1)}$$

Sequence: A076878
Score: 10.5133
Type of gen. func.: ogf

$$-\frac{x(2x^{2}-3x+2)}{(2x-1)(x-1)^{2}}$$

Sequence: A076878
Score: 13.4612
Type of gen. func.: lgdogf

$$-\frac{4x^3-8x^2+11x-5}{(x-1)(2x-1)(2x^2-3x+2)}$$

Sequence: A076878
Score: 5.17700
Type of gen. func.: ogf

$\{a(n+4) - 4a(n+3) + 5a(n+2) - 2a(n+1), a(0) = 0, a(1) = 2, a(2) = 5, a(3) = 12\}$

Sequence: A076878
Score: 5.74255
Type of gen. func.: ogf

$$-(f(x)+1)(2f(x)x^3 - 5f(x)x^2 + 2x^3 + 4f(x)x - 3x^2 - f(x) + 2x)$$

Sequence: A076878
Score: 8.23330
Type of gen. func.: lgdogf

$$-\frac{4x^3-8x^2+11x-5}{4x^4-12x^3+15x^2-9x+2}$$

Sequence: A076898
Score: 8.20100
Type of gen. func.: ogf

$$\frac{x^{12}-x^8-x^7+x^6+x^5+x^4-x^2-x-1}{x^{12}+x^6-1}$$

Sequence: A076899
Score: 5.45145
Type of gen. func.: ogf

$$-\frac{x^{14}+x^{13}+x^{12}-x^{11}-x^{10}+2x^{8}+2x^{7}+x^{6}-x^{5}-x^{4}-x^{2}-x-1}{(x-1)(x^{2}+x+1)(x^{12}+x^{6}-1)}$$

Sequence: A076921
Score: 11.7844
Type of gen. func.: ogf

$$\frac{x^{4}-2x^{3}+x-1}{(x+1)(x-1)^{3}}$$

Sequence: A076921
Score: 19.4395
Type of gen. func.: lgdogf

$$\frac{3x^{2}+2x+1}{(x-1)(x+1)(x^{4}-2x^{3}+x-1)}$$

Sequence: A076921
Score: 6.61074
Type of gen. func.: ogf

$$-(6f(x)-7)(f(x)x^{4}-2f(x)x^{3}-x^{4}+2x^{3}+2f(x)x-f(x)-x+1)$$

Sequence: A076921
Score: 9.24001
Type of gen. func.: lgdogf

$$-\frac{3x^{2}+2x+1}{-x^{6}+2x^{5}+x^{4}-3x^{3}+x^{2}+x-1}$$

Sequence: A076936
Score: 7.55478
Type of gen. func.: lgdogf

$$-\frac{4\,(32x^6+64x^5-28x^4-16x^3+4x^2+x+1)}{(2x-1)(2x^2-1)(8x^2-1)(4x^2+6x+1)}$$

Sequence: A076936
Score: 8.09743
Type of gen. func.: ogf

$$16\,f(x)\,x^4-10\,f(x)\,x^2+8x^3+8x^2+f(x)-4x-1$$

Sequence: A076936
Score: 9.78943
Type of gen. func.: ogf

$$-\frac{(2x-1)(4x^2+6x+1)}{(2x^2-1)(8x^2-1)}$$

Sequence: A076937
Score: 2.27337
Type of gen. func.: ogf

$$-(1184\,f(x)-3809)\,(f(x)\,x^4-2\,f(x)\,x^2-x^3-x^2+f(x)-2x)$$

Sequence: A076937
Score: 3.98772
Type of gen. func.: ogf

$$\frac{x\,(x^2+x+2)}{(x+1)^2\,(x-1)^2}$$

Sequence: A076937
Score: 5.30123
Type of gen. func.: lgdogf

3 2

$$-\frac{2 x + 3 x + 10 x + 1}{(x - 1) (x + 1) (x^{2} + x + 2)}$$

Sequence: A076938
Score: 10.4478
Type of gen. func.: ogf

$$f(x) x^{3} - f(x) x^{2} - f(x) x + f(x) - x$$

Sequence: A076938
Score: 17.8774
Type of gen. func.: ogf

$$\frac{x}{(x + 1) (x - 1)^{2}}$$

Sequence: A076938
Score: 18.2837
Type of gen. func.: lgdogf

$$-\frac{-3 x - 1}{-x^{2} + 1}$$

Sequence: A076938
Score: 37.7037
Type of gen. func.: lgdogf

$$-\frac{3 x + 1}{(x - 1) (x + 1)}$$

Sequence: A076938
Score: 38.1765
Type of gen. func.: ogf_with_Euler_transform]

[x + 1]

Sequence: A076938
Score: 7.24758
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 1\}$$

Sequence: A076939
Score: 3.27558
Type of gen. func.: ogf

$$(6 f(x) - 5) (2 f(x) x^2 - f(x) + x + 1)$$

Sequence: A076939
Score: 3.42912
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A076939
Score: 5.35278
Type of gen. func.: ogf

$$-\frac{x + 1}{2 x^2 - 1}$$

Sequence: A076939
Score: 6.90332
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 4 x + 1}{(x + 1) (2 x^2 - 1)}$$

Sequence: A076994
Score: 5.50226
Type of gen. func.: lgdogf

11 10 9 8 7 6 5 4 3

$$(32 x - 54 x - 4 x + 62 x - 52 x + 2 x + 32 x - 32 x + 20 x - 8 x + 3) \Big/ ((x - 1) (2 x - 1) (2 x^{10} - 2 x^{8} + 2 x^{7} - 2 x^{5} + 2 x^{4} - 2 x^{3} - 3 x + 2))$$

Sequence: A076994
Score: 7.69977
Type of gen. func.: ogf

$$\frac{2 x^{10} - 2 x^{8} + 2 x^{7} - 2 x^{5} + 2 x^{4} - 2 x^{3} - 3 x + 2}{(2 x - 1) (x - 1)}$$

Sequence: A077043
Score: 11.4696
Type of gen. func.: lgdogf

$$- \frac{2 x^{3} + 5 x^{2} + 8 x + 3}{x^{4} + x^{3} - x - 1}$$

Sequence: A077043
Score: 12.7048
Type of gen. func.: ogf

$$- \frac{x (x^{2} + x + 1)}{(x + 1) (x - 1)^{3}}$$

Sequence: A077043
Score: 19.3799
Type of gen. func.: lgdogf

$$- \frac{(2 x + 1) (x^{2} + 2 x + 3)}{(x - 1) (x + 1) (x^{2} + x + 1)}$$

Sequence: A077043
Score: 32.8701
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + x + 3$$

Sequence: A077043
Score: 6.88175
Type of gen. func.: ogf

$$-(7 f(x) - 13) (f(x) x^4 - 2 f(x) x^3 + x^3 + 2 f(x) x + x^2 - f(x) + x)$$

Sequence: A077044
Score: 5.41383
Type of gen. func.: ogf

$$-\frac{x (x^6 + 8 x^5 + 29 x^4 + 39 x^3 + 29 x^2 + 8 x + 1)}{(x + 1)^3 (x - 1)^5}$$

Sequence: A077044
Score: 6.64113
Type of gen. func.: lgdogf

$$-\frac{2 x^7 + 26 x^6 + 138 x^5 + 293 x^4 + 368 x^3 + 231 x^2 + 82 x + 10}{(x - 1) (x + 1) (x^6 + 8 x^5 + 29 x^4 + 39 x^3 + 29 x^2 + 8 x + 1)}$$

Sequence: A077122
Score: 10.1122
Type of gen. func.: lgdogf

$$-\frac{2 (32 x^3 - 12 x^2 - 18 x + 7)}{(x - 1) (2 x + 1) (2 x - 1) (4 x - 1)}$$

Sequence: A077122
Score: 8.81113

Type of gen. func.: ogf

$$-\frac{4\,(2x+1)\,x}{(2x-1)\,(x-1)^2\,(4x-1)^2}$$

Sequence: A077122
Score: 8.92409
Type of gen. func.: lgdogf

$$-\frac{-64x^3+24x^2+36x-14}{-16x^4+20x^3-5x+1}$$

Sequence: A077134
Score: 3.45483
Type of gen. func.: egf]

$$2 f(x)\,x - x^2 - 2 f(x) + 2$$

Sequence: A077134
Score: 4.12895
Type of gen. func.: egf]

$$\frac{x^2-2}{2\,(x-1)}$$

Sequence: A077134
Score: 6.11642
Type of gen. func.: lgdegf]

$$\frac{x^2-2x+2}{(x-1)\,(x^2-2)}$$

Sequence: A077140
Score: 11.8584
Type of gen. func.: lgdogf

$$-\frac{3x^4 - 10x^3 + 6x - 3}{(x - 1)(x^2 + 1)(x^2 - 2x - 1)}$$

Sequence: A077140
Score: 6.34927
Type of gen. func.: ogf

$$\frac{x^2 - 2x - 1}{(x - 1)(x^2 + 1)^2}$$

Sequence: A077169
Score: 10.7754
Type of gen. func.: ogf

$$-\frac{x^6 - x^5 + x^2 - x + 1}{(x - 1)^3}$$

Sequence: A077169
Score: 16.2750
Type of gen. func.: lgdogf

$$\frac{3x^6 - 8x^5 + 5x^4 - x^2 - 2}{(x - 1)(x^6 - x^5 + x^2 - x + 1)}$$

Sequence: A077209
Score: 4.86001
Type of gen. func.: ogf

$$-\frac{100x^6 + 110x^5 + 30x^4 - 80x^3 - 101x^2 - 21x - 2}{(x - 1)(x^2 + x + 1)(10x^3 - 1)}$$

Sequence: A077221
Score: 10.5619
Type of gen. func.: lgdogf

$$-\frac{-2 x^3 - 20 x^2 - 18 x - 8}{-x^4 - 6 x^3 + 6 x + 1}$$

Sequence: A077221
Score: 12.0243
Type of gen. func.: ogf

$$-\frac{x (x^2 + 6 x + 1)}{(x + 1) (x - 1)^3}$$

Sequence: A077221
Score: 17.1118
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 + 10 x^2 + 9 x + 4)}{(x - 1) (x + 1) (x^2 + 6 x + 1)}$$

Sequence: A077221
Score: 6.35431
Type of gen. func.: ogf

$$-(176 f(x) - 859) (f(x) x^4 - 2 f(x) x^3 + x^3 + 2 f(x) x + 6 x^2 - f(x) + x)$$

Sequence: A077234
Score: 12.0652
Type of gen. func.: lgdogf

$$-\frac{-x^2 - 4 x + 9}{-x^3 + 2 x^2 + 7 x - 2}$$

Sequence: A077234
Score: 17.1593
Type of gen. func.: ogf

$$\frac{x + 2}{x^2 - 4 x + 1}$$

Sequence: A077234
Score: 18.2511
Type of gen. func.: revogf

$$- \frac{-1 - 2 x + (3 x^2 + 5 x + 1)^{1/2}}{x - 1}$$

Sequence: A077234
Score: 20.6061
Type of gen. func.: lgdogf

$$- \frac{x^2 + 4 x - 9}{(x + 2) (x^2 - 4 x + 1)}$$

Sequence: A077234
Score: 8.8755
Type of gen. func.: ogf

$$(32 f(x) + 17) (f(x) x^2 - 4 f(x) x + f(x) - x - 2)$$

Sequence: A077234
Score: 9.41671
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - a(n), a(0) = 2, a(1) = 9\}$$

Sequence: A077235
Score: 10.7927
Type of gen. func.: lgdogf

$$-\frac{-4 x^2 + 10 x - 16}{-4 x^3 + 21 x^2 - 24 x + 5}$$

Sequence: A077235
Score: 13.1001
Type of gen. func.: revogf

$$-\frac{-5 - 4 x + (12 x^2 + 24 x + 25)^{1/2}}{2 (4 + x)}$$

Sequence: A077235
Score: 15.2835
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^2 - 5 x + 8)}{(4 x - 5) (x^2 - 4 x + 1)}$$

Sequence: A077235
Score: 16.3090
Type of gen. func.: ogf

$$-\frac{4 x - 5}{x^2 - 4 x + 1}$$

Sequence: A077235
Score: 8.15449
Type of gen. func.: ogf

$$-(27 f(x) - 7) (f(x) x^2 - 4 f(x) x + f(x) + 4 x - 5)$$

Sequence: A077235
Score: 8.84223
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + a(n), a(0) = 5, a(1) = 16\}$$

Sequence: A077236
Score: 13.5174
Type of gen. func.: ogf

$$-\frac{5 x - 4}{x^2 - 4 x + 1}$$

Sequence: A077236
Score: 17.0212
Type of gen. func.: revogf

$$-\frac{-2 - 2 x + (3 x^2 + 3 x + 4)^{1/2}}{5 + x}$$

Sequence: A077236
Score: 17.0212
Type of gen. func.: lgdogf

$$-\frac{5 x^2 - 8 x + 11}{(5 x - 4) (x^2 - 4 x + 1)}$$

Sequence: A077236
Score: 6.68446
Type of gen. func.: ogf

$$-(36 f(x) - 23) (f(x) x^2 - 4 f(x) x + f(x) + 5 x - 4)$$

Sequence: A077236
Score: 7.32873
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + a(n), a(0) = 4, a(1) = 11\}$$

Sequence: A077236
Score: 9.07888
Type of gen. func.: lgdogf

$$-\frac{-5x^2+8x-11}{-5x^3+24x^2-21x+4}$$

Sequence: A077237
Score: 5.4071
Type of gen. func.: ogf

$$(780 f(x) - 79)(f(x)x^4 - 4 f(x)x^2 - x^3 - 2x^2 + f(x) - 2x - 1)$$

Sequence: A077237
Score: 7.84100
Type of gen. func.: lgdogf

$$-\frac{x^6+4x^5+10x^4+4x^3-11x^2-12x-2}{(x+1)(x^2+x+1)(x^4-4x^2+1)}$$

Sequence: A077237
Score: 8.65137
Type of gen. func.: ogf

$$\frac{(x^2+x+1)(x+1)}{x^4-4x^2+1}$$

Sequence: A077238
Score: 10.8689
Type of gen. func.: lgdogf

$$-\frac{4x^6+10x^5+x^4-16x^3+8x^2+22x+5}{(x-1)(4x^2+9x+4)(x^4-4x^2+1)}$$

Sequence: A077238
Score: 12.4236
Type of gen. func.: ogf

$$-\frac{(x-1)(4x^2+9x+4)}{x^4-4x^2+1}$$

Sequence: A077238
Score: 7.2751
Type of gen. func.: ogf

$$-(2340 f(x) - 1613) (f(x) x^4 - 4 f(x) x^2 + 4 x^3 + 5 x^2 + f(x) - 5 x - 4)$$

Sequence: A077239
Score: 10.4550
Type of gen. func.: lgdogf

$$-\frac{-5x^2+14x-37}{-5x^3+37x^2-47x+7}$$

Sequence: A077239
Score: 13.5521
Type of gen. func.: revogf

$$-\frac{-7-6x+(32x^2+64x+49)^{1/2}}{2(5+x)}$$

Sequence: A077239
Score: 15.7986
Type of gen. func.: ogf

$$-\frac{5x-7}{x^2-6x+1}$$

Sequence: A077239
Score: 15.8108
Type of gen. func.: lgdogf

$$-\frac{5 x^2 - 14 x + 37}{(5 x - 7) (x^2 - 6 x + 1)}$$

Sequence: A077239
Score: 7.72761
Type of gen. func.: ogf

$$-(208 f(x) - 87) (f(x) x^2 - 6 f(x) x + f(x) + 5 x - 7)$$

Sequence: A077239
Score: 8.56553
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + a(n), a(0) = 7, a(1) = 37\}$$

Sequence: A077240
Score: 10.2732
Type of gen. func.: lgdogf

$$-\frac{-7 x^2 + 10 x - 23}{-7 x^3 + 47 x^2 - 37 x + 5}$$

Sequence: A077240
Score: 13.3381
Type of gen. func.: revogf

$$-\frac{-5 - 6 x + (32 x^2 + 32 x + 25)^{1/2}}{2 (7 + x)}$$

Sequence: A077240
Score: 15.5239

Type of gen. func.: ogf

$$-\frac{7x-5}{x^2-6x+1}$$

Sequence: A077240
Score: 15.5612
Type of gen. func.: lgdogf

$$-\frac{7x^2-10x+23}{(7x-5)(x^2-6x+1)}$$

Sequence: A077240
Score: 7.51157
Type of gen. func.: ogf

$$-(128 f(x) - 111) (f(x) x^2 - 6 f(x) x + f(x) + 7 x - 5)$$

Sequence: A077240
Score: 8.41657
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + a(n), a(0) = 5, a(1) = 23\}$$

Sequence: A077241
Score: 11.3548
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x + 1)}{(x^2 + 2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A077241
Score: 6.96283
Type of gen. func.: ogf

4 2 3 2

$$(4760 f(x) - 751) (f(x) x - 6 f(x) x - x - 2 x + f(x) - 2 x - 1)$$

Sequence: A077242
Score: 11.9827
Type of gen. func.: ogf

$$-\frac{(x - 1) (5 x^2 + 12 x + 5)}{(x^2 + 2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A077242
Score: 6.55365
Type of gen. func.: lgdogf

$$-\frac{5 x^6 + 14 x^5 + 9 x^4 - 20 x^3 + 27 x^2 + 46 x + 7}{(x - 1) (5 x^2 + 12 x + 5) (x^2 + 2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A077242
Score: 7.41785
Type of gen. func.: ogf

$$(952 f(x) - 303) (f(x) x^4 - 6 f(x) x^2 + 5 x^3 + 7 x^2 + f(x) - 7 x - 5)$$

Sequence: A077243
Score: 12.4975
Type of gen. func.: ogf

$$\frac{x + 2}{x^2 - 8 x + 1}$$

Sequence: A077243
Score: 15.2947
Type of gen. func.: revogf

$$-\frac{-1 - 4 x + (15 x^2 + 9 x + 1)^{1/2}}{x - 1}$$

Sequence: A077243
Score: 17.2066
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4x - 17}{(x + 2)(x^2 - 8x + 1)}$$

Sequence: A077243
Score: 6.39077
Type of gen. func.: ogf

$$(132 f(x) + 25)(f(x) x^2 - 8 f(x) x + f(x) - x - 2)$$

Sequence: A077243
Score: 6.77576
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - a(n), a(0) = 2, a(1) = 17\}$$

Sequence: A077243
Score: 8.52103
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4x - 17}{x^3 - 6x^2 - 15x + 2}$$

Sequence: A077244
Score: 10.5422
Type of gen. func.: lgdogf

$$-\frac{-2x^2 + 6x - 22}{-2x^3 + 19x^2 - 26x + 3}$$

Sequence: A077244
Score: 13.5732
Type of gen. func.: revogf

$$-\frac{-8\,x-3+(60\,x^{2}+40\,x+9)^{1/2}}{2\,(x+2)}$$

Sequence: A077244
Score: 15.6962
Type of gen. func.: ogf

$$-\frac{2\,x-3}{x^{2}-8\,x+1}$$

Sequence: A077244
Score: 15.9000
Type of gen. func.: lgdogf

$$-\frac{2\,(x^{2}-3\,x+11)}{(2\,x-3)\,(x^{2}-8\,x+1)}$$

Sequence: A077244
Score: 7.76186
Type of gen. func.: ogf

$$-(85\,f(x)-13)\,(f(x)\,x^{2}-8\,f(x)\,x+f(x)+2\,x-3)$$

Sequence: A077244
Score: 8.50999
Type of gen. func.: ogf

$$\{a(n+2)-8\,a(n+1)+a(n),\ a(0)=3,\ a(1)=22\}$$

Sequence: A077245
Score: 12.2358
Type of gen. func.: ogf

$$\frac{2x+1}{x^2-8x+1}$$

Sequence: A077245
Score: 12.8293
Type of gen. func.: revogf

$$-\frac{-1-8x+(60x^2+24x+1)^{1/2}}{2(x-2)}$$

Sequence: A077245
Score: 16.3283
Type of gen. func.: lgdogf

$$-\frac{2(x^2+x-5)}{(2x+1)(x^2-8x+1)}$$

Sequence: A077245
Score: 6.32885
Type of gen. func.: ogf

$$(39 f(x) + 11) (f(x) x^2 - 8 f(x) x + f(x) - 2 x - 1)$$

Sequence: A077245
Score: 6.63386
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A077245
Score: 8.34258
Type of gen. func.: lgdogf

$$-\frac{2x^2+2x-10}{}$$

$$2 x^3 - 15 x^2 - 6 x + 1$$

Sequence: A077246
Score: 12.3666
Type of gen. func.: ogf

$$-\frac{-2 + 3 x}{x^2 - 8 x + 1}$$

Sequence: A077246
Score: 15.1312
Type of gen. func.: revogf

$$-\frac{-1 - 4 x + (15 x^2 + 5 x + 1)^{1/2}}{x + 3}$$

Sequence: A077246
Score: 15.5635
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 4 x + 13}{(-2 + 3 x) (x^2 - 8 x + 1)}$$

Sequence: A077246
Score: 6.0489
Type of gen. func.: ogf

$$-(100 f(x) - 31) (f(x) x^2 - 8 f(x) x + f(x) + 3 x - 2)$$

Sequence: A077246
Score: 6.70481
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + a(n), a(0) = 2, a(1) = 13\}$$

Sequence: A077246
Score: 8.30596
Type of gen. func.: lgdogf

$$-\frac{-3 x^{2} + 4 x - 13}{-3 x^{3} + 26 x^{2} - 19 x + 2}$$

Sequence: A077247
Score: 10.2425
Type of gen. func.: ogf

$$\frac{(x^{2} + x + 1) (x + 1)}{x^{4} - 8 x^{2} + 1}$$

Sequence: A077247
Score: 6.28075
Type of gen. func.: ogf

$$(1764 f(x) - 319) (f(x) x^{4} - 8 f(x) x^{2} - x^{3} - 2 x^{2} + f(x) - 2 x - 1)$$

Sequence: A077247
Score: 9.32252
Type of gen. func.: lgdogf

$$-\frac{x^{6} + 4 x^{5} + 14 x^{4} + 4 x^{3} - 19 x^{2} - 20 x - 2}{(x + 1) (x^{2} + x + 1) (x^{4} - 8 x^{2} + 1)}$$

Sequence: A077248
Score: 5.48742
Type of gen. func.: ogf

$$(8820 f(x) - 23) (f(x) x^{4} - 8 f(x) x^{2} + 2 x^{3} + 3 x^{2} + f(x) - 3 x - 2)$$

Sequence: A077248
Score: 7.61222
Type of gen. func.: lgdogf

$$-\frac{2x^6+6x^5+7x^4-8x^3+18x^2+26x+3}{(x-1)(2x+1)(x+2)(x^4-8x^2+1)}$$

Sequence: A077248
Score: 8.86431
Type of gen. func.: ogf

$$-\frac{(x-1)(2x+1)(x+2)}{x^4-8x^2+1}$$

Sequence: A077249
Score: 10.5758
Type of gen. func.: lgdogf

$$-\frac{x^2+4x-21}{x^3-8x^2-19x+2}$$

Sequence: A077249
Score: 15.1740
Type of gen. func.: ogf

$$\frac{x+2}{x^2-10x+1}$$

Sequence: A077249
Score: 17.5903
Type of gen. func.: revogf

$$-\frac{-1-5x+((3x+1)(8x+1))^{1/2}}{x-1}$$

Sequence: A077249
Score: 22.1297
Type of gen. func.: lgdogf

$$-\frac{(7 + x)\,(x - 3)}{(x + 2)\,(x^{2} - 10\,x + 1)}$$

Sequence: A077249
Score: 7.84276
Type of gen. func.: ogf

$$(206\,f(x) + 29)\,(f(x)\,x^{2} - 10\,f(x)\,x + f(x) - x - 2)$$

Sequence: A077249
Score: 8.30958
Type of gen. func.: ogf

$$\{-a(n + 2) + 10\,a(n + 1) - a(n),\ a(0) = 2,\ a(1) = 21\}$$

Sequence: A077250
Score: 15.1061
Type of gen. func.: ogf

$$-\frac{7\,x - 11}{x^{2} - 10\,x + 1}$$

Sequence: A077250
Score: 15.1740
Type of gen. func.: revogf

$$-\frac{-11 - 10\,x + (96\,x^{2} + 192\,x + 121)^{1/2}}{2\,(7 + x)}$$

Sequence: A077250
Score: 17.8976
Type of gen. func.: lgdogf

$$-\frac{7 x^2 - 22 x + 103}{(7 x - 11) (x^2 - 10 x + 1)}$$

Sequence: A077250
Score: 7.39571
Type of gen. func.: ogf

$$-(1008 f(x) - 479) (f(x) x^2 - 10 f(x) x + f(x) + 7 x - 11)$$

Sequence: A077250
Score: 8.25567
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + a(n), a(0) = 11, a(1) = 103\}$$

Sequence: A077250
Score: 9.99983
Type of gen. func.: lgdogf

$$-\frac{-7 x^2 + 22 x - 103}{-7 x^3 + 81 x^2 - 117 x + 11}$$

Sequence: A077251
Score: 10.5758
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 2 x - 12}{2 x^3 - 19 x^2 - 8 x + 1}$$

Sequence: A077251
Score: 14.9135
Type of gen. func.: revogf

$$-\frac{-1 - 10 x + ((1 + 4 x) (24 x + 1))^{1/2}}{}$$

$$2 (x - 2)$$

Sequence: A077251
Score: 15.1740
Type of gen. func.: ogf

$$\frac{2 x + 1}{x^2 - 10 x + 1}$$

Sequence: A077251
Score: 19.6006
Type of gen. func.: lgdogf

$$- \frac{2 (x + 3) (x - 2)}{(2 x + 1) (x^2 - 10 x + 1)}$$

Sequence: A077251
Score: 7.93188
Type of gen. func.: ogf

$$(59 f(x) + 13) (f(x) x^2 - 10 f(x) x + f(x) - 2 x - 1)$$

Sequence: A077251
Score: 8.30958
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - a(n), a(0) = 1, a(1) = 12\}$$

Sequence: A077259
Score: 7.96052
Type of gen. func.: lgdogf

$$- \frac{3 x^5 + 3 x^4 - 22 x^3 - 54 x^2 + 35 x + 3}{x^6 - 19 x^4 + 19 x^2 - 1}$$

Sequence: A077259
Score: 9.30325
Type of gen. func.: ogf

$$-\frac{2x(x+1)^2}{(x-1)(x^2+4x-1)(x^2-4x-1)}$$

Sequence: A077260
Score: 7.80619
Type of gen. func.: ogf

$$-\frac{3x(x^2+6x+1)}{(x-1)(x^2+18x+1)(x^2-18x+1)}$$

Sequence: A077261
Score: 8.13067
Type of gen. func.: ogf

$$-\frac{15x(x^2+6x+1)}{(x-1)(x^2+18x+1)(x^2-18x+1)}$$

Sequence: A077262
Score: 8.06489
Type of gen. func.: ogf

$$\frac{x(x^3+5x^2-9x-5)}{(x-1)(x^2+4x-1)(x^2-4x-1)}$$

Sequence: A077263
Score: 6.00597
Type of gen. func.: ogf

$$-\frac{19x^5-35x^4+54x^3-142x^2+199x-63}{(x^3+x^2+3x-1)(x-1)^3}$$

Sequence: A077265
Score: 5.30189
Type of gen. func.: ogf

$$-(1151 f(x) + 5684) (2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 + 12 x^3 - 5 f(x) x - 38 x^2 + f(x) + 42 x - 14)$$

Sequence: A077265
Score: 7.48211
Type of gen. func.: lgdogf

$$- \frac{-12 x^4 + 52 x^3 - 89 x^2 + 60 x - 14}{-12 x^5 + 56 x^4 - 105 x^3 + 96 x^2 - 42 x + 7}$$

Sequence: A077265
Score: 9.88378
Type of gen. func.: ogf

$$- \frac{2 (6 x^3 - 19 x^2 + 21 x - 7)}{(2 x - 1) (x - 1)^3}$$

Sequence: A077285
Score: 11.0390
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-2 x^5 - x^4 - 2 x^3 - 2 x^2 - 2 x - 1}{-x^6 + 1}$$

Sequence: A077288
Score: 11.8478
Type of gen. func.: lgdogf

5 4 3 2

$$-\frac{3 x + 3 x - 14 x - 30 x + 19 x + 3}{(x - 1) (x + 1) (x^4 - 10 x^2 + 1)}$$

Sequence: A077288
Score: 7.79803
Type of gen. func.: lgdogf

$$-\frac{3 x^5 + 3 x^4 - 14 x^3 - 30 x^2 + 19 x + 3}{x^6 - 11 x^4 + 11 x^2 - 1}$$

Sequence: A077288
Score: 9.11336
Type of gen. func.: ogf

$$-\frac{x (x + 1)^2}{(x - 1) (x^4 - 10 x^2 + 1)}$$

Sequence: A077289
Score: 8.90071
Type of gen. func.: ogf

$$-\frac{x (x^2 + 5 x + 1)}{(x - 1) (x^2 - 10 x + 1) (x^2 + 10 x + 1)}$$

Sequence: A077290
Score: 8.48117
Type of gen. func.: ogf

$$-\frac{6 x (x^2 + 5 x + 1)}{(x - 1) (x^2 - 10 x + 1) (x^2 + 10 x + 1)}$$

Sequence: A077291
Score: 8.31219

Type of gen. func.: ogf

$$\frac{x (x^3 + 3 x^2 - 5 x - 3)}{(x - 1) (x^4 - 10 x^2 + 1)}$$

Sequence: A077340
Score: 8.31165
Type of gen. func.: lgdogf

$$\frac{2 (4900 x^{12} - 10695 x^{11} + 5885 x^{10} + x + 10)}{(x - 1) (980 x^{12} - 1070 x^{11} + 8 x^2 - 18 x - 1)}$$

Sequence: A077340
Score: 8.71917
Type of gen. func.: ogf

$$- \frac{980 x^{12} - 1070 x^{11} + 8 x^2 - 18 x - 1}{(x - 1)^2}$$

Sequence: A077372
Score: 7.08082
Type of gen. func.: ogf

$$-f(x) (f(x) x^2 + f(x) x - f(x) + x)^2$$

Sequence: A077379
Score: 12.5005
Type of gen. func.: ogf

$$\frac{x^2 (20 x^2 - 332 x + 123)}{(10 x - 1) (x - 1)}$$

Sequence: A077379
Score: 6.20465

Type of gen. func.: ogf

$$(62004784036725 f(x) + 18174077314672988)$$

$$(-20 x^4 + 10 f(x) x^2 + 332 x^3 - 11 f(x) x - 123 x^2 + f(x))$$

Sequence: A077379
Score: 6.29656
Type of gen. func.: ogf

$$\{-a(n + 5) + 11 a(n + 4) - 10 a(n + 3), a(0) = 0, a(1) = 0, a(2) = 123,$$
$$a(3) = 1021, a(4) = 10021\}$$

Sequence: A077379
Score: 6.31878
Type of gen. func.: lgdogf

$$\frac{3100 x^2 - 2420 x + 1021}{(x - 1) (10 x - 1) (20 x^2 - 332 x + 123)}$$

Sequence: A077379
Score: 9.04294
Type of gen. func.: lgdogf

$$- \frac{3100 x^2 - 2420 x + 1021}{-200 x^4 + 3540 x^3 - 4902 x^2 + 1685 x - 123}$$

Sequence: A077397
Score: 11.0979
Type of gen. func.: ogf

$$- \frac{2 x^3 + 2 x^2 - 31 x - 1}{x^4 - 16 x^2 + 1}$$

Sequence: A077397

Score: 6.52246
Type of gen. func.: ogf

$$(438912 f(x) - 1012777) (f(x) x^4 - 16 f(x) x^2 + 2 x^3 + 2 x^2 + f(x) - 31 x - 1)$$

Sequence: A077398
Score: 7.90438
Type of gen. func.: lgdogf

$$-\frac{6 x^6 + 8 x^5 - 31 x^4 - 104 x^3 - 50 x^2 + 68 x + 5}{(x - 1) (2 x^2 + 3 x + 2) (x^4 - 16 x^2 + 1)}$$

Sequence: A077398
Score: 8.94996
Type of gen. func.: ogf

$$-\frac{x (2 x^2 + 3 x + 2)}{(x - 1) (x^4 - 16 x^2 + 1)}$$

Sequence: A077399
Score: 8.46467
Type of gen. func.: ogf

$$-\frac{3 x (x^2 + 4 x + 1)}{(x - 1) (x^2 - 16 x + 1) (x^2 + 16 x + 1)}$$

Sequence: A077400
Score: 7.86299
Type of gen. func.: ogf

$$-\frac{21 x (x^2 + 4 x + 1)}{(x - 1) (x^2 - 16 x + 1) (x^2 + 16 x + 1)}$$

Sequence: A077401
Score: 6.20497
Type of gen. func.: lgdogf

$$-\frac{2x^7+17x^6-44x^5-118x^4+278x^3+157x^2-180x-14}{(x-1)(x^3+6x^2-8x-6)(x^4-16x^2+1)}$$

Sequence: A077401
Score: 7.88802
Type of gen. func.: ogf

$$\frac{x(x^3+6x^2-8x-6)}{(x-1)(x^4-16x^2+1)}$$

Sequence: A077409
Score: 14.8512
Type of gen. func.: ogf

$$-\frac{11x-7}{x^2-10x+1}$$

Sequence: A077409
Score: 15.5914
Type of gen. func.: revogf

$$-\frac{-7-10x+(96x^2+96x+49)^{1/2}}{2(11+x)}$$

Sequence: A077409
Score: 17.5903
Type of gen. func.: lgdogf

$$-\frac{11x^2-14x+59}{(11x-7)(x^2-10x+1)}$$

Sequence: A077409
Score: 7.34743
Type of gen. func.: ogf

$$-(576 f(x) - 551) (f(x) x^{2} - 10 f(x) x + f(x) + 11 x - 7)$$

Sequence: A077409
Score: 8.30958
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + a(n), a(0) = 7, a(1) = 59\}$$

Sequence: A077409
Score: 9.83106
Type of gen. func.: lgdogf

$$-\frac{-11 x^{2} + 14 x - 59}{-11 x^{3} + 117 x^{2} - 81 x + 7}$$

Sequence: A077410
Score: 4.89022
Type of gen. func.: ogf

$$(39600 f(x) - 7687) (f(x) x^{4} - 10 f(x) x^{2} - x^{3} - 2 x^{2} + f(x) - 2 x - 1)$$

Sequence: A077410
Score: 7.33086
Type of gen. func.: lgdogf

$$-\frac{x^{6} + 4 x^{5} + 16 x^{4} + 4 x^{3} - 23 x^{2} - 24 x - 2}{(x + 1) (x^{2} + x + 1) (x^{4} - 10 x^{2} + 1)}$$

Sequence: A077410
Score: 8.07626
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)(x + 1)}{x^4 - 10x^2 + 1}$$

Sequence: A077411
Score: 5.88176
Type of gen. func.: ogf

$$(7425 f(x) + 2072)(f(x) x^4 - 10 f(x) x^2 + 7 x^3 + 11 x^2 + f(x) - 11 x - 7)$$

Sequence: A077411
Score: 7.82863
Type of gen. func.: lgdogf

$$-\frac{7 x^6 + 22 x^5 + 37 x^4 - 28 x^3 + 89 x^2 + 118 x + 11}{(x - 1)(7 x^2 + 18 x + 7)(x^4 - 10 x^2 + 1)}$$

Sequence: A077411
Score: 9.51463
Type of gen. func.: ogf

$$-\frac{(x - 1)(7 x^2 + 18 x + 7)}{x^4 - 10 x^2 + 1}$$

Sequence: A077412
Score: 10.9929
Type of gen. func.: lgdogf

$$-\frac{2 x - 16}{x^2 - 16 x + 1}$$

Sequence: A077412
Score: 11.7024
Type of gen. func.: revogf

$$-\frac{-1 - 16 x + (14 x + 1)^{1/2} (18 x + 1)^{1/2}}{2 x}$$

Sequence: A077412
Score: 16.1660
Type of gen. func.: ogf

$$\frac{1}{x^2 - 16 x + 1}$$

Sequence: A077412
Score: 24.4686
Type of gen. func.: lgdogf

$$-\frac{2 (-8 + x)}{x^2 - 16 x + 1}$$

Sequence: A077412
Score: 6.54337
Type of gen. func.: ogf

$$(127 f(x) + 1) (f(x) x^2 - 16 f(x) x + f(x) - 1)$$

Sequence: A077412
Score: 6.54337
Type of gen. func.: ogf

$$\{-a(n + 2) + 16 a(n + 1) - a(n), a(0) = 1, a(1) = 16\}$$

Sequence: A077413
Score: 11.4018
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4 x - 13}{x^3 - 4 x^2 - 11 x + 2}$$

Sequence: A077413
Score: 15.5778
Type of gen. func.: revogf

$$-\frac{-1 - 3x + (8x^2 + 7x + 1)^{1/2}}{x - 1}$$

Sequence: A077413
Score: 16.7226
Type of gen. func.: ogf

$$\frac{x + 2}{x^2 - 6x + 1}$$

Sequence: A077413
Score: 17.0382
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4x - 13}{(x + 2)(x^2 - 6x + 1)}$$

Sequence: A077413
Score: 8.64964
Type of gen. func.: ogf

$$(74 f(x) + 21) (f(x) x^2 - 6 f(x) x + f(x) - x - 2)$$

Sequence: A077413
Score: 9.06648
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - a(n), a(0) = 2, a(1) = 13\}$$

Sequence: A077414
Score: 11.5978
Type of gen. func.: ogf

$$-\frac{x (x - 4)}{(x - 1)^4}$$

Sequence: A077414
Score: 15.3848
Type of gen. func.: lgdogf

$$-\frac{-3 x + 15}{-x^2 + 5 x - 4}$$

Sequence: A077414
Score: 35.3673
Type of gen. func.: lgdogf

$$-\frac{3 (x - 5)}{(x - 1) (x - 4)}$$

Sequence: A077414
Score: 4.99242
Type of gen. func.: ogf

{(-8 - 4 n) a(n + 3) + (5 n + 20) a(n + 2) + (-3 - n) a(n + 1), a(0) = 0,

a(1) = 4, a(2) = 15}

Sequence: A077414
Score: 5.66808
Type of gen. func.: ogf

(14121 f(x) + 45853)

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + x^2 + f(x) - 4 x)$$

Sequence: A077415
Score: 10.4450
Type of gen. func.: ogf

$$\frac{x\,(x^2 - 4x + 5)}{(x - 1)^4}$$

Sequence: A077415
Score: 11.5528
Type of gen. func.: lgdogf

$$-\frac{-2x^2 + 10x - 16}{-x^3 + 5x^2 - 9x + 5}$$

Sequence: A077415
Score: 23.4772
Type of gen. func.: lgdogf

$$-\frac{2\,(x^2 - 5x + 8)}{(x - 1)\,(x^2 - 4x + 5)}$$

Sequence: A077415
Score: 3.81242
Type of gen. func.: ogf

$$\{(15 + 5 n)\, a(n + 4) + (-9 n - 34)\, a(n + 3) + (15 + 5 n)\, a(n + 2) + (-2 - n)\, a(n + 1),\ a(0) = 0,\ a(1) = 5,\ a(2) = 16,\ a(3) = 35\}$$

Sequence: A077415
Score: 5.56558
Type of gen. func.: ogf

$$(172 f(x) + 405)\,(f(x)\, x^4 - 4 f(x)\, x^3 + 6 f(x)\, x^2 - x^3 - 4 f(x)\, x + 4 x^2 + f(x) - 5 x)$$

Sequence: A077416
Score: 10.9017

Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - 12 x + 1}$$

Sequence: A077416
Score: 11.3987
Type of gen. func.: revogf

$$- \frac{-1 - 12 x + (140 x^2 + 28 x + 1)^{1/2}}{2 (x - 1)}$$

Sequence: A077416
Score: 14.8529
Type of gen. func.: lgdogf

$$- \frac{x^2 + 2 x - 13}{(x + 1) (x^2 - 12 x + 1)}$$

Sequence: A077416
Score: 5.63459
Type of gen. func.: ogf

$$(154 f(x) + 15) (f(x) x^2 - 12 f(x) x + f(x) - x - 1)$$

Sequence: A077416
Score: 5.96998
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - a(n), a(0) = 1, a(1) = 13\}$$

Sequence: A077416
Score: 7.48475
Type of gen. func.: lgdogf

$$x^2 + 2 x - 13$$

$$-\frac{}{x^{3} - 11 x^{2} - 11 x + 1}$$

Sequence: A077417
Score: 13.8901
Type of gen. func.: ogf

$$-\frac{x - 1}{x^{2} - 12 x + 1}$$

Sequence: A077417
Score: 14.5852
Type of gen. func.: revogf

$$-\frac{-1 - 12 x + (140 x^{2} + 20 x + 1)^{1/2}}{2 (x + 1)}$$

Sequence: A077417
Score: 19.5989
Type of gen. func.: lgdogf

$$-\frac{x^{2} - 2 x + 11}{(x - 1) (x^{2} - 12 x + 1)}$$

Sequence: A077417
Score: 6.94504
Type of gen. func.: ogf

$$-(130 f(x) - 9) (f(x) x^{2} - 12 f(x) x + f(x) + x - 1)$$

Sequence: A077417
Score: 7.60646
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + a(n), a(0) = 1, a(1) = 11\}$$

Sequence: A077417
Score: 9.53646
Type of gen. func.: lgdogf

$$-\frac{-x^2 + 2 x - 11}{-x^3 + 13 x^2 - 13 x + 1}$$

Sequence: A077420
Score: 11.0088
Type of gen. func.: ogf

$$-\frac{x - 1}{x^2 - 34 x + 1}$$

Sequence: A077420
Score: 11.2630
Type of gen. func.: revogf

$$-\frac{-1 - 34 x + (1152 x^2 + 64 x + 1)^{1/2}}{2 (x + 1)}$$

Sequence: A077420
Score: 15.4867
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x + 33}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A077420
Score: 5.38729
Type of gen. func.: ogf

$$-(1120 f(x) - 31) (f(x) x^2 - 34 f(x) x + f(x) + x - 1)$$

Sequence: A077420
Score: 6.02863
Type of gen. func.: ogf

$$\{a(n + 2) - 34 a(n + 1) + a(n), a(0) = 1, a(1) = 33\}$$

Sequence: A077420
Score: 7.55828
Type of gen. func.: lgdogf

$$- \frac{-x^2 + 2 x - 33}{-x^3 + 35 x^2 - 35 x + 1}$$

Sequence: A077421
Score: 10.5358
Type of gen. func.: lgdogf

$$- \frac{2 x - 22}{x^2 - 22 x + 1}$$

Sequence: A077421
Score: 11.2109
Type of gen. func.: revogf

$$- \frac{-22 x - 1 + (24 x + 1)^{1/2} (20 x + 1)^{1/2}}{2 x}$$

Sequence: A077421
Score: 15.4939
Type of gen. func.: ogf

$$\frac{1}{x^2 - 22 x + 1}$$

Sequence: A077421

Score: 22.4218
Type of gen. func.: lgdogf

$$-\frac{2(-11+x)}{x^2-22x+1}$$

Sequence: A077421
Score: 6.27133
Type of gen. func.: ogf

$$(241 f(x)+1)(f(x) x^2-22 f(x) x+f(x)-1)$$

Sequence: A077421
Score: 6.27133
Type of gen. func.: ogf

$$\{-a(n+2)+22 a(n+1)-a(n), a(0)=1, a(1)=22\}$$

Sequence: A077422
Score: 13.2063
Type of gen. func.: lgdogf

$$-\frac{11x^2-2x+11}{(11x-1)(x^2-22x+1)}$$

Sequence: A077422
Score: 14.2674
Type of gen. func.: ogf

$$-\frac{11x-1}{x^2-22x+1}$$

Sequence: A077422
Score: 7.05859
Type of gen. func.: ogf

2

$$-(240 f(x) - 119) (f(x) x - 22 f(x) x + f(x) + 11 x - 1)$$

Sequence: A077422
Score: 7.98293
Type of gen. func.: ogf

$$\{a(n + 2) - 22 a(n + 1) + a(n), a(0) = 1, a(1) = 11\}$$

Sequence: A077422
Score: 9.57951
Type of gen. func.: lgdogf

$$-\frac{-11 x^{2} + 2 x - 11}{-11 x^{3} + 243 x^{2} - 33 x + 1}$$

Sequence: A077423
Score: 10.7022
Type of gen. func.: lgdogf

$$-\frac{2 x - 24}{x^{2} - 24 x + 1}$$

Sequence: A077423
Score: 11.3917
Type of gen. func.: revogf

$$-\frac{-24 x - 1 + (22 x + 1)^{1/2} (26 x + 1)^{1/2}}{2 x}$$

Sequence: A077423
Score: 15.7385
Type of gen. func.: ogf

$$\frac{1}{x^{2} - 24 x + 1}$$

Sequence: A077423
Score: 22.7835
Type of gen. func.: lgdogf

$$-\frac{2(-12+x)}{x^2-24x+1}$$

Sequence: A077423
Score: 6.37035
Type of gen. func.: ogf

$$(287 f(x) + 1) (f(x) x^2 - 24 f(x) x + f(x) - 1)$$

Sequence: A077423
Score: 6.37036
Type of gen. func.: ogf

$$\{-a(n + 2) + 24 a(n + 1) - a(n), a(0) = 1, a(1) = 24\}$$

Sequence: A077424
Score: 11.1494
Type of gen. func.: ogf

$$-\frac{-1+12x}{x^2-24x+1}$$

Sequence: A077424
Score: 14.2480
Type of gen. func.: lgdogf

$$-\frac{2(6x^2-x+6)}{(-1+12x)(x^2-24x+1)}$$

Sequence: A077424
Score: 5.57467

Type of gen. func.: ogf

$$-(143 f(x) - 71) (f(x) x^2 - 24 f(x) x + f(x) + 12 x - 1)$$

Sequence: A077424
Score: 6.23833
Type of gen. func.: ogf

$$\{a(n + 2) - 24 a(n + 1) + a(n), a(0) = 1, a(1) = 12\}$$

Sequence: A077424
Score: 7.48600
Type of gen. func.: lgdogf

$$-\frac{-12 x^2 + 2 x - 12}{-12 x^3 + 289 x^2 - 36 x + 1}$$

Sequence: A077433
Score: 13.2701
Type of gen. func.: lgdogf

$$-\frac{-19 x^{20} + 20 x^{19} + 1}{x^{21} - x^{20} + x - 1}$$

Sequence: A077433
Score: 17.3692
Type of gen. func.: lgdogf

$$\frac{19 x^{20} - 20 x^{19} - 1}{(x - 1) (x^4 + 1) (x^{16} - x^{12} + x^8 - x^4 + 1)}$$

Sequence: A077433
Score: 21.3475
Type of gen. func.: ogf

$$-\frac{x^{2} (x^{4} + 1) (x^{16} - x^{12} + x^{8} - x^{4} + 1)}{x - 1}$$

Sequence: A077442
Score: 10.7236
Type of gen. func.: ogf

$$\frac{(x + 1)^{3}}{(x^{2} + 2 x - 1) (x^{2} - 2 x - 1)}$$

Sequence: A077442
Score: 12.2065
Type of gen. func.: lgdogf

$$-\frac{x^{4} + 4 x^{3} + 6 x^{2} - 12 x - 3}{(x + 1) (x^{2} + 2 x - 1) (x^{2} - 2 x - 1)}$$

Sequence: A077442
Score: 6.76728
Type of gen. func.: ogf

$$(490 f(x) + 1) (f(x) x^{4} - 6 f(x) x^{2} - x^{3} - 3 x^{2} + f(x) - 3 x - 1)$$

Sequence: A077442
Score: 7.18589
Type of gen. func.: lgdogf

$$-\frac{-x^{4} - 4 x^{3} - 6 x^{2} + 12 x + 3}{-x^{5} - x^{4} + 6 x^{3} + 6 x^{2} - x - 1}$$

Sequence: A077443
Score: 10.1504
Type of gen. func.: ogf

$$-\frac{(x-1)(3x^2+8x+3)}{(x^2+2x-1)(x^2-2x-1)}$$

Sequence: A077443
Score: 5.94393
Type of gen. func.: ogf

$$-(1960 f(x) - 1083) (f(x) x^4 - 6 f(x) x^2 + 3 x^3 + 5 x^2 + f(x) - 5 x - 3)$$

Sequence: A077443
Score: 7.51682
Type of gen. func.: lgdogf

$$-\frac{3x^6+10x^5+3x^4-12x^3+21x^2+26x+5}{(x-1)(3x^2+8x+3)(x^2+2x-1)(x^2-2x-1)}$$

Sequence: A077444
Score: 12.3824
Type of gen. func.: ogf

$$\frac{2(x+1)}{x^2-6x+1}$$

Sequence: A077444
Score: 15.1451
Type of gen. func.: revogf

$$-\frac{-1-3x+(8x^2+8x+1)^{1/2}}{x-2}$$

Sequence: A077444
Score: 17.5878
Type of gen. func.: lgdogf

$$2$$

$$-\frac{x + 2 x - 7}{(x + 1) (x^2 - 6 x + 1)}$$

Sequence: A077444
Score: 6.47914
Type of gen. func.: ogf

$$(20 f(x) + 9) (f(x) x^2 - 6 f(x) x + f(x) - 2 x - 2)$$

Sequence: A077444
Score: 6.71333
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - a(n), a(0) = 2, a(1) = 14\}$$

Sequence: A077444
Score: 8.70634
Type of gen. func.: lgdogf

$$-\frac{x^2 + 2 x - 7}{x^3 - 5 x^2 - 5 x + 1}$$

Sequence: A077445
Score: 12.6486
Type of gen. func.: ogf

$$-\frac{4 (x - 1)}{x^2 - 6 x + 1}$$

Sequence: A077445
Score: 15.0596
Type of gen. func.: revogf

$$-\frac{-2 - 3 x + 2 (2 x^2 + 2 x + 1)^{1/2}}{4 + x}$$

Sequence: A077445
Score: 18.5735
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x + 5}{(x - 1) (x^2 - 6 x + 1)}$$

Sequence: A077445
Score: 6.12031
Type of gen. func.: ogf

$$-(204 f(x) - 191) (f(x) x^2 - 6 f(x) x + f(x) + 4 x - 4)$$

Sequence: A077445
Score: 6.85770
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + a(n), a(0) = 4, a(1) = 20\}$$

Sequence: A077445
Score: 8.89358
Type of gen. func.: lgdogf

$$-\frac{-x^2 + 2 x - 5}{-x^3 + 7 x^2 - 7 x + 1}$$

Sequence: A077446
Score: 10.2017
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 4 x + 1)}{(x^2 + 2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A077446
Score: 6.02826
Type of gen. func.: ogf

$$-(1960 f(x) + 439) (f(x) x^4 - 6 f(x) x^2 - x^3 - 5 x^2 + f(x) - 5 x - 1)$$

Sequence: A077446
Score: 7.82866
Type of gen. func.: lgdogf

$$-\frac{x^6 + 10 x^5 + 21 x^4 + 4 x^3 - 33 x^2 - 22 x - 5}{(x + 1) (x^2 + 4 x + 1) (x^2 + 2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A077447
Score: 10.4067
Type of gen. func.: ogf

$$-\frac{4 (x - 1) (x^2 + 3 x + 1)}{(x^2 + 2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A077447
Score: 6.44226
Type of gen. func.: ogf

$$(490 f(x) - 621) (f(x) x^4 - 6 f(x) x^2 + 4 x^3 + 8 x^2 + f(x) - 8 x - 4)$$

Sequence: A077447
Score: 9.08367
Type of gen. func.: lgdogf

$$-\frac{x^6 + 4 x^5 - 4 x^3 + 9 x^2 + 8 x + 2}{(x - 1) (x^2 + 3 x + 1) (x^2 + 2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A077450

Score: 13.5794
Type of gen. func.: ogf

$$\frac{2 x^5 - x^4 - x^3 - 2 x^2 - 2 x - 3}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A077450
Score: 9.82503
Type of gen. func.: lgdogf

$$\frac{x^8 + 2 x^7 + 6 x^6 + 8 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 4 x + 2}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (2 x^5 - x^4 - x^3 - 2 x^2 - 2 x - 3)}$$

Sequence: A077461
Score: 3.51691
Type of gen. func.: ogf

$$\frac{2 (x + 1)}{x^2 - 6 x + 1}$$

Sequence: A077466
Score: 4.11873
Type of gen. func.: ogf

$$- (384 x^{12} - 128 x^{11} - 64 x^{10} + 64 x^9 - 32 x^8 + 32 x^7 - 16 x^6 - 8 x^5 + 8 x^4 - 4 x^3 + 4 x^2 - 2 x - 1) / ((3 x - 1) (128 x^{12} - 1))$$

Sequence: A077467
Score: 6.84739
Type of gen. func.: ogf

$$- \frac{x^{29} - x^{28} + x^{12} - x^{11} - x^{10} - x^8 - x^6 - x^5 - x^3 - x - 1}{(x + 1) (x^4 - x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A077491
Score: 4.29934
Type of gen. func.: ogf

$$(45 x^{16} - 45 x^{15} + 45 x^{14} - 45 x^{13} + 45 x^{12} - 45 x^{11} + 45 x^{10} - 45 x^{9} + 5 x^{8} - 4 x^{7} + 5 x^{6} - 4 x^{5} + 5 x^{4} - 4 x^{3} + 5 x^{2} - 4 x + 5) \Big/ ((x - 1) (10 x^{9} - 1))$$

Sequence: A077492
Score: 5.10046
Type of gen. func.: ogf

$$(72 x^{13} - 18 x^{12} - 18 x^{11} - 18 x^{10} - 18 x^{9} + 2 x^{8} + 2 x^{7} + 2 x^{6} + 2 x^{5} - 7 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2) \Big/ ((x - 1) (10 x^{9} - 1))$$

Sequence: A077538
Score: 12.3855
Type of gen. func.: lgdogf

$$- \frac{2 (15 x^{3} + 57 x^{2} + 41 x + 7)}{(x - 1) (10 x^{3} + 21 x^{2} + 8 x + 1)}$$

Sequence: A077538
Score: 3.41855
Type of gen. func.: ogf

$$\{(-211 n^{2} - 1429 n - 2340) a(n + 1) + (152 n^{2} - 219 n - 1088) a(n + 2) + (59 n^{2} + 298 n + 363) a(n + 3), a(0) = 1, a(1) = 14, a(2) = 90\}$$

Sequence: A077538
Score: 6.83710
Type of gen. func.: ogf

$$\frac{10 x^3 + 21 x^2 + 8 x + 1}{(x - 1)^6}$$

Sequence: A077538
Score: 7.61405
Type of gen. func.: lgdogf

$$-\frac{-30 x^3 - 114 x^2 - 82 x - 14}{-10 x^4 - 11 x^3 + 13 x^2 + 7 x + 1}$$

Sequence: A077543
Score: 4.02138
Type of gen. func.: ogf

$\{-a(n + 5) + 11 a(n + 4) - 10 a(n + 3), a(0) = 4, a(1) = 22, a(2) = 111,$

$a(3) = 1001, a(4) = 10001\}$

Sequence: A077543
Score: 4.43961
Type of gen. func.: ogf

$(405810405 f(x) - 12296268331)$

$(-100 x^4 + 10 f(x) x^2 - 11 f(x) x + 91 x^2 + f(x) + 22 x - 4)$

Sequence: A077543
Score: 6.46892
Type of gen. func.: lgdogf

$$\frac{2000 x^5 - 3300 x^4 + 400 x^3 + 1221 x^2 - 262 x + 22}{(x - 1) (10 x - 1) (100 x^4 - 91 x^2 - 22 x + 4)}$$

Sequence: A077543
Score: 8.28285

Type of gen. func.: ogf

$$\frac{100 x^{4} - 91 x^{2} - 22 x + 4}{(10 x - 1) (x - 1)}$$

Sequence: A077552
Score: 12.2642
Type of gen. func.: lgdogf

$$- \frac{4 x^{2} - 4 x - 3}{-4 x^{3} - x + 1}$$

Sequence: A077552
Score: 15.2622
Type of gen. func.: ogf

$$- \frac{2 x^{2} + x + 1}{2 x - 1}$$

Sequence: A077552
Score: 19.2303
Type of gen. func.: lgdogf

$$\frac{(2 x + 1) (2 x - 3)}{(2 x - 1) (2 x^{2} + x + 1)}$$

Sequence: A077552
Score: 8.17617
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2), a(0) = 1, a(1) = 3, a(2) = 8\}$$

Sequence: A077552
Score: 8.69364
Type of gen. func.: ogf

$$-(2 f(x) - 1) (2 f(x) x + 2 x^2 - f(x) + x + 1)$$

Sequence: A077568
Score: 16.1919
Type of gen. func.: lgdegf]

$$-\frac{10 x - 1}{(2 x - 1) (2 x + 1)}$$

Sequence: A077568
Score: 3.05200
Type of gen. func.: ogf

$$\{(-4 n^2 - 22 n - 28) a(n + 1) + a(n + 3) + a(n + 2), a(0) = 1, a(1) = -1, a(2) = 11\}$$

Sequence: A077568
Score: 8.74907
Type of gen. func.: lgdegf]

$$-\frac{10 x - 1}{4 x^2 - 1}$$

Sequence: A077587
Score: 6.1099
Type of gen. func.: ogf

$$4 x^3 f(x)^2 - f(x)^2 x^2 + 12 f(x) x^2 - 7 f(x) x + x^2 + f(x) + 4 x - 1$$

Sequence: A077588
Score: 11.5061
Type of gen. func.: lgdogf

$$-\frac{8 x^2 + 8 x + 2}{x^4 + 4 x^3 - 6 x^2 + 2 x - 1}$$

Sequence: A077588
Score: 12.0063
Type of gen. func.: ogf

$$-\frac{x^3 + 5x^2 - x + 1}{(x-1)^3}$$

Sequence: A077588
Score: 23.9104
Type of gen. func.: lgdogf

$$-\frac{2(2x+1)^2}{(x-1)(x^3 + 5x^2 - x + 1)}$$

Sequence: A077588
Score: 6.22885
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 2, a(2) = 8,

a(3) = 20}

Sequence: A077588
Score: 6.73526
Type of gen. func.: ogf

$$-(6 f(x) - 5)(f(x) x^3 - 3 f(x) x^2 + x^3 + 3 f(x) x + 5 x^2 - f(x) - x + 1)$$

Sequence: A077591
Score: 10.1948
Type of gen. func.: lgdogf

$$-\frac{18x^2 + 28x + 2}{x^4 + 14x^3 - 16x^2 + 2x - 1}$$

Sequence: A077591
Score: 11.0687
Type of gen. func.: ogf

$$-\frac{x^3+15x^2-x+1}{(x-1)^3}$$

Sequence: A077591
Score: 18.9941
Type of gen. func.: lgdogf

$$-\frac{2(9x^2+14x+1)}{(x-1)(x^3+15x^2-x+1)}$$

Sequence: A077591
Score: 5.78214
Type of gen. func.: ogf

$$\{a(n+4)-3a(n+3)+3a(n+2)-a(n+1), a(0)=1, a(1)=2, a(2)=18, a(3)=50\}$$

Sequence: A077591
Score: 7.9062
Type of gen. func.: ogf

$$-f(x)x^3+3f(x)x^2-x^3-3f(x)x-15x^2+f(x)+x-1$$

Sequence: A077611
Score: 12.1108
Type of gen. func.: egf]

$$-\frac{2x^2}{(x+1)^2(x-1)^3}$$

Sequence: A077611
Score: 16.7900
Type of gen. func.: lgdegf]

$$-\frac{-5x-1}{-x^2+1}$$

Sequence: A077611
Score: 36.6288
Type of gen. func.: lgdegf]

$$-\frac{5x+1}{(x-1)(x+1)}$$

Sequence: A077611
Score: 4.45036
Type of gen. func.: ogf

$$\{(n^3 + 9n^2 + 26n + 24)\,a(n+1) + (n+3)\,a(n+2) + (-n-1)\,a(n+3),$$
$$a(0) = 0,\ a(1) = 0,\ a(2) = 4\}$$

Sequence: A077611
Score: 6.31418
Type of gen. func.: egf]

$$-f(x)\,x^5 + f(x)\,x^4 + 2\,f(x)\,x^3 - 2\,f(x)\,x^2 - f(x)\,x - 2\,x^2 + f(x)$$

Sequence: A077612
Score: 11.3762
Type of gen. func.: lgdegf]

$$-\frac{-5x-1}{-x^2+1}$$

Sequence: A077612
Score: 24.8805

Type of gen. func.: lgdegf]

$$-\frac{5x+1}{(x-1)(x+1)}$$

Sequence: A077612
Score: 5.2481
Type of gen. func.: egf]

$$(f(x)-1)(f(x)x^5-f(x)x^4-2f(x)x^3+2f(x)x^2+2x^3+f(x)x-f(x))$$

Sequence: A077612
Score: 8.20582
Type of gen. func.: egf]

$$-\frac{2x^3}{(x+1)^2(x-1)^3}$$

Sequence: A077613
Score: 11.7108
Type of gen. func.: lgdegf]

$$-\frac{-4x-2}{-x^2+1}$$

Sequence: A077613
Score: 12.5677
Type of gen. func.: egf]

$$-\frac{x}{(x+1)(x-1)^3}$$

Sequence: A077613
Score: 23.0202
Type of gen. func.: lgdegf]

$$-\frac{2 (2 x + 1)}{(x - 1) (x + 1)}$$

Sequence: A077613
Score: 3.08549
Type of gen. func.: ogf

$$\{(n^3 + 9 n^2 + 26 n + 24) a(n + 1) + (6 + 2 n) a(n + 2) + (-2 - n) a(n + 3),$$
$$a(0) = 0, a(1) = 1, a(2) = 4\}$$

Sequence: A077613
Score: 7.52466
Type of gen. func.: egf]

$$(6 f(x) - 1) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x - f(x) + x)$$

Sequence: A077616
Score: 11.4018
Type of gen. func.: ogf

$$-\frac{x + 1}{(3 x - 1)^3}$$

Sequence: A077616
Score: 12.7979
Type of gen. func.: lgdogf

$$-\frac{6 x + 10}{3 x^2 + 2 x - 1}$$

Sequence: A077616
Score: 24.5822
Type of gen. func.: lgdogf

$$-\frac{2 (3 x + 5)}{(x + 1) (3 x - 1)}$$

```
------------------------------------------------------------------------------

Sequence:  A077616
Score: 5.40602
Type of gen. func.: ogf


{a(n + 3) - 9 a(n + 2) + 27 a(n + 1) - 27 a(n), a(0) = 1, a(1) = 10, a(2) = 63}



------------------------------------------------------------------------------

Sequence:  A077616
Score: 5.64954
Type of gen. func.: ogf


                                  3            2
     (4528 f(x) - 4825) (27 f(x) x  - 27 f(x) x  + 9 f(x) x - f(x) + x + 1)



------------------------------------------------------------------------------

Sequence:  A077745
Score: 13.0312
Type of gen. func.: lgdegf]


                                                  1/2
                            2 (6 x + 1 + (1 - 6 x)   )
                          - --------------------------
                               (2 x + 1) (6 x - 1)



------------------------------------------------------------------------------

Sequence:  A077745
Score: 18.6160
Type of gen. func.: revegf]


                       - 1/2 - 3/2 exp(-2 x) + 2 exp(-x)



------------------------------------------------------------------------------

Sequence:  A077745
Score: 5.72405
Type of gen. func.: egf]


                   2  2          2         2
            12 f(x)  x  + 4 f(x)  x - f(x)  + 12 f(x) x - 2 f(x) + 3



------------------------------------------------------------------------------

Sequence:  A077745
Score: 7.39357
Type of gen. func.: lgdegf]


                                                  1/2
                            2 (6 x + 1 + (1 - 6 x)   )
```

$$-\frac{}{(2 x + 1) (6 x - 1)}$$

Sequence: A077750
Score: 10.8205
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + x^2 - 2 x + 3}{2 x^4 - x^3 + x^2 - x - 1}$$

Sequence: A077750
Score: 15.1866
Type of gen. func.: ogf

$$-\frac{2 (2 x + 1) x}{(x^2 + 1) (x - 1)}$$

Sequence: A077750
Score: 24.3169
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + x^2 - 2 x + 3}{(x - 1) (2 x + 1) (x^2 + 1)}$$

Sequence: A077750
Score: 7.7289
Type of gen. func.: ogf

$$-(f(x) - 28) (f(x) x^3 - f(x) x^2 + f(x) x + 4 x^2 - f(x) + 2 x)$$

Sequence: A077750
Score: 7.79853
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 2, a(2) = 6\}$$

Sequence: A077758
Score: 8.40835
Type of gen. func.: ogf

$$(100 f(x) x^2 - 20 f(x) x + f(x) - 1)^2$$

Sequence: A077802
Score: 12.5378
Type of gen. func.: lgdogf

$$- \frac{2 (x^3 - 3 x^2 + 1)}{(x - 1) (2 x - 1) (2 x^3 - 4 x^2 + 2 x - 1)}$$

Sequence: A077802
Score: 4.91000
Type of gen. func.: ogf

{a(n + 4) - 4 a(n + 3) + 5 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 7,

a(3) = 18}

Sequence: A077802
Score: 5.30919
Type of gen. func.: ogf

$$(181 f(x) - 428)$$

$$(2 f(x) x^3 - 5 f(x) x^2 - 2 x^3 + 4 f(x) x + 4 x^2 - f(x) - 2 x + 1)$$

Sequence: A077802
Score: 7.50609
Type of gen. func.: lgdogf

$$- \frac{-2 x^3 + 6 x^2 - 2}{-4 x^5 + 14 x^4 - 18 x^3 + 12 x^2 - 5 x + 1}$$

Sequence: A077802
Score: 9.46420
Type of gen. func.: ogf

$$\frac{2x^3 - 4x^2 + 2x - 1}{(2x - 1)(x - 1)^2}$$

Sequence: A077814
Score: 18.4814
Type of gen. func.: lgdogf

$$-\frac{4x^4 - 7x^3 + 9x^2 - 3x + 1}{(x - 1)(x^2 + 1)(x^2 - x + 1)}$$

Sequence: A077814
Score: 20.4250
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + 2x^3 + x^2 - x + 1$$

Sequence: A077814
Score: 9.02861
Type of gen. func.: ogf

$$\frac{x^2 (x^2 - x + 1)}{(x^2 + 1)^2 (x - 1)^2}$$

Sequence: A077821
Score: 13.4978
Type of gen. func.: lgdogf

a(n + 4) - 4 a(n + 3) + 3 a(n), a(0) = 4, a(1) = 16, a(2) = 64, a(3) = 244

Sequence: A077821
Score: 14.5078

Type of gen. func.: lgdogf

$$-\frac{12 x^3 - 4}{3 x^4 - 4 x + 1}$$

Sequence: A077821
Score: 23.3004
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (3 x^3 + 3 x^2 + 3 x - 1)}$$

Sequence: A077821
Score: 9.04601
Type of gen. func.: ogf

$$-(f(x) - 1) (3 f(x) x^4 - 4 f(x) x + f(x) - 1)$$

Sequence: A077822
Score: 11.2596
Type of gen. func.: lgdogf

$$-\frac{8 x^3 + 3 x^2 - 4}{2 x^4 + x^3 - 4 x + 1}$$

Sequence: A077822
Score: 17.5028
Type of gen. func.: lgdogf

$$-\frac{8 x^3 + 3 x^2 - 4}{(x - 1) (2 x^3 + 3 x^2 + 3 x - 1)}$$

Sequence: A077822
Score: 18.6745

Type of gen. func.: ogf

$$\frac{1}{(x-1)\,(2\,x^{3}+3\,x^{2}+3\,x-1)}$$

Sequence: A077822
Score: 6.07662
Type of gen. func.: ogf

$\{-a(n+4) + 4\,a(n+3) - a(n+1) - 2\,a(n),\ a(0) = 1,\ a(1) = 4,\ a(2) = 16,$

$\quad a(3) = 63\}$

Sequence: A077822
Score: 7.43352
Type of gen. func.: ogf

$$(913\,f(x) - 224)\,(2\,f(x)\,x^{4} + f(x)\,x^{3} - 4\,f(x)\,x + f(x) - 1)$$

Sequence: A077823
Score: 15.3402
Type of gen. func.: lgdogf

$$-\frac{12\,x^{3}-3\,x^{2}+2\,x-4}{(x-1)\,(3\,x^{3}+2\,x^{2}+3\,x-1)}$$

Sequence: A077823
Score: 16.6525
Type of gen. func.: ogf

$$\frac{1}{(x-1)\,(3\,x^{3}+2\,x^{2}+3\,x-1)}$$

Sequence: A077823
Score: 6.09238
Type of gen. func.: ogf

$$(2143 f(x) + 1566) (3 f(x) x^4 - f(x) x^3 + f(x) x^2 - 4 f(x) x + f(x) - 1)$$

Sequence: A077823
Score: 9.25140
Type of gen. func.: lgdogf

$$-\frac{12 x^3 - 3 x^2 + 2 x - 4}{3 x^4 - x^3 + x^2 - 4 x + 1}$$

Sequence: A077824
Score: 11.6070
Type of gen. func.: lgdogf

$$-\frac{8 x^3 + 2 x - 4}{2 x^4 + x^2 - 4 x + 1}$$

Sequence: A077824
Score: 17.8004
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^3 + x - 2)}{(x - 1) (2 x^3 + 2 x^2 + 3 x - 1)}$$

Sequence: A077824
Score: 20.0769
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (2 x^3 + 2 x^2 + 3 x - 1)}$$

Sequence: A077824
Score: 7.50349
Type of gen. func.: ogf

$$(f(x) - 4) (2 f(x) x^{4} + f(x) x^{2} - 4 f(x) x + f(x) - 1)$$

Sequence: A077825
Score: 11.4594
Type of gen. func.: lgdogf

$$- \frac{12 x^{3} - 2 x - 3}{3 x^{4} - x^{2} - 3 x + 1}$$

Sequence: A077825
Score: 17.4209
Type of gen. func.: lgdogf

$$- \frac{12 x^{3} - 2 x - 3}{(x - 1) (3 x^{3} + 3 x^{2} + 2 x - 1)}$$

Sequence: A077825
Score: 20.1314
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (3 x^{3} + 3 x^{2} + 2 x - 1)}$$

Sequence: A077825
Score: 7.52383
Type of gen. func.: ogf

$$(f(x) - 2) (3 f(x) x^{4} - f(x) x^{2} - 3 f(x) x + f(x) - 1)$$

Sequence: A077826
Score: 16.1647
Type of gen. func.: lgdogf

$$- \frac{8 x^{3} + 3 x^{2} - 2 x - 3}{}$$

$$(x - 1) (2 x^3 + 3 x^2 + 2 x - 1)$$

Sequence: A077826
Score: 17.1793
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (2 x^3 + 3 x^2 + 2 x - 1)}$$

Sequence: A077826
Score: 6.28513
Type of gen. func.: ogf

$$-(89 f(x) - 64) (2 f(x) x^4 + f(x) x^3 - f(x) x^2 - 3 f(x) x + f(x) - 1)$$

Sequence: A077826
Score: 9.66338
Type of gen. func.: lgdogf

$$- \frac{-8 x^3 - 3 x^2 + 2 x + 3}{-2 x^4 - x^3 + x^2 + 3 x - 1}$$

Sequence: A077827
Score: 14.5293
Type of gen. func.: lgdogf

$$a(n + 4) - 3 a(n + 3) + 2 a(n), a(0) = 3, a(1) = 9, a(2) = 27, a(3) = 73$$

Sequence: A077827
Score: 15.3471
Type of gen. func.: lgdogf

$$- \frac{-8 x^3 + 3}{-2 x^4 + 3 x - 1}$$

Sequence: A077827
Score: 24.1833
Type of gen. func.: ogf

$$\frac{1}{(x-1)\,(2x^3+2x^2+2x-1)}$$

Sequence: A077827
Score: 9.38881
Type of gen. func.: ogf

$$-(f(x)-1)\,(2\,f(x)\,x^4-3\,f(x)\,x+f(x)-1)$$

Sequence: A077828
Score: 11.9633
Type of gen. func.: lgdogf

$$-\frac{-9x^2-6x-3}{-3x^3-3x^2-3x+1}$$

Sequence: A077828
Score: 20.6934
Type of gen. func.: ogf

$$-\frac{1}{3x^3+3x^2+3x-1}$$

Sequence: A077828
Score: 20.9061
Type of gen. func.: lgdogf

$$-\frac{3\,(3x^2+2x+1)}{3x^3+3x^2+3x-1}$$

Sequence: A077828
Score: 6.77570
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 3 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 3, a(2) = 12\}$$

Sequence: A077828
Score: 7.73387
Type of gen. func.: ogf

$$(f(x) - 1) (3 f(x) x^3 + 3 f(x) x^2 + 3 f(x) x - f(x) + 1)$$

Sequence: A077829
Score: 11.8106
Type of gen. func.: lgdogf

$$- \frac{-6 x^2 - 6 x - 3}{-2 x^3 - 3 x^2 - 3 x + 1}$$

Sequence: A077829
Score: 20.4292
Type of gen. func.: ogf

$$- \frac{1}{2 x^3 + 3 x^2 + 3 x - 1}$$

Sequence: A077829
Score: 20.6346
Type of gen. func.: lgdogf

$$- \frac{3 (2 x^2 + 2 x + 1)}{2 x^3 + 3 x^2 + 3 x - 1}$$

Sequence: A077829
Score: 6.68919

Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) - 3\,a(n+1) - 2\,a(n),\ a(0) = 1,\ a(1) = 3,\ a(2) = 12\}$$

Sequence: A077829
Score: 7.19884
Type of gen. func.: ogf

$$-(43\,f(x) - 16)\,(2\,f(x)\,x^{3} + 3\,f(x)\,x^{2} + 3\,f(x)\,x - f(x) + 1)$$

Sequence: A077830
Score: 11.5561
Type of gen. func.: lgdogf

$$-\frac{-9\,x^{2} - 4\,x - 3}{-3\,x^{3} - 2\,x^{2} - 3\,x + 1}$$

Sequence: A077830
Score: 19.9889
Type of gen. func.: ogf

$$-\frac{1}{3\,x^{3} + 2\,x^{2} + 3\,x - 1}$$

Sequence: A077830
Score: 21.3693
Type of gen. func.: lgdogf

$$-\frac{9\,x^{2} + 4\,x + 3}{3\,x^{3} + 2\,x^{2} + 3\,x - 1}$$

Sequence: A077830
Score: 6.54504
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) - 2\,a(n+1) - 3\,a(n),\ a(0) = 1,\ a(1) = 3,\ a(2) = 11\}$$

Sequence: A077830
Score: 7.25086
Type of gen. func.: ogf

$$(142 f(x) - 27) (3 f(x) x^3 + 2 f(x) x^2 + 3 f(x) x - f(x) + 1)$$

Sequence: A077831
Score: 11.4542
Type of gen. func.: lgdogf

$$- \frac{-6 x^2 - 4 x - 3}{-2 x^3 - 2 x^2 - 3 x + 1}$$

Sequence: A077831
Score: 19.8128
Type of gen. func.: ogf

$$- \frac{1}{2 x^3 + 2 x^2 + 3 x - 1}$$

Sequence: A077831
Score: 21.1776
Type of gen. func.: lgdogf

$$- \frac{6 x^2 + 4 x + 3}{2 x^3 + 2 x^2 + 3 x - 1}$$

Sequence: A077831
Score: 6.48736
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 2 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 3, a(2) = 11\}$$

Sequence: A077831
Score: 7.71654
Type of gen. func.: ogf

$$-f(x)\,(2\,f(x)\,x^{3} + 2\,f(x)\,x^{2} + 3\,f(x)\,x - f(x) + 1)$$

Sequence: A077832
Score: 12.0272
Type of gen. func.: lgdogf

$$-\frac{-9\,x^{2} - 6\,x - 2}{-3\,x^{3} - 3\,x^{2} - 2\,x + 1}$$

Sequence: A077832
Score: 20.8037
Type of gen. func.: ogf

$$-\frac{1}{3\,x^{3} + 3\,x^{2} + 2\,x - 1}$$

Sequence: A077832
Score: 22.2473
Type of gen. func.: lgdogf

$$-\frac{9\,x^{2} + 6\,x + 2}{3\,x^{3} + 3\,x^{2} + 2\,x - 1}$$

Sequence: A077832
Score: 6.87266
Type of gen. func.: ogf

$$\{a(n + 3) - 2\,a(n + 2) - 3\,a(n + 1) - 3\,a(n),\ a(0) = 1,\ a(1) = 2,\ a(2) = 7\}$$

Sequence: A077832
Score: 7.77514
Type of gen. func.: ogf

$$(8 f(x) - 5) (3 f(x) x^3 + 3 f(x) x^2 + 2 f(x) x - f(x) + 1)$$

Sequence: A077833
Score: 11.8710
Type of gen. func.: lgdogf

$$- \frac{-6 x^2 - 6 x - 2}{-2 x^3 - 3 x^2 - 2 x + 1}$$

Sequence: A077833
Score: 20.5336
Type of gen. func.: ogf

$$- \frac{1}{2 x^3 + 3 x^2 + 2 x - 1}$$

Sequence: A077833
Score: 20.7337
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^2 + 3 x + 1)}{2 x^3 + 3 x^2 + 2 x - 1}$$

Sequence: A077833
Score: 6.78341
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 2, a(2) = 7\}$$

Sequence: A077833
Score: 7.44846
Type of gen. func.: ogf

$$(121 f(x) - 76) (2 f(x) x^3 + 3 f(x) x^2 + 2 f(x) x - f(x) + 1)$$

Sequence: A077834
Score: 12.4169
Type of gen. func.: lgdogf

$$-\frac{-9 x^{2} - 4 x - 2}{-3 x^{3} - 2 x^{2} - 2 x + 1}$$

Sequence: A077834
Score: 21.4779
Type of gen. func.: ogf

$$-\frac{1}{(3 x - 1) (x^{2} + x + 1)}$$

Sequence: A077834
Score: 7.09538
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A077834
Score: 8.73277
Type of gen. func.: ogf

$$f(x) (3 f(x) x^{3} + 2 f(x) x^{2} + 2 f(x) x - f(x) + 1)$$

Sequence: A077835
Score: 12.2065
Type of gen. func.: lgdogf

$$-\frac{-6 x^{2} - 4 x - 2}{-2 x^{3} - 2 x^{2} - 2 x + 1}$$

Sequence: A077835
Score: 21.1139
Type of gen. func.: ogf

$$-\frac{1}{2 x^3 + 2 x^2 + 2 x - 1}$$

Sequence: A077835
Score: 21.3262
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^2 + 2 x + 1)}{2 x^3 + 2 x^2 + 2 x - 1}$$

Sequence: A077835
Score: 6.97512
Type of gen. func.: ogf

$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$

Sequence: A077835
Score: 7.89104
Type of gen. func.: ogf

$$(f(x) - 1) (2 f(x) x^3 + 2 f(x) x^2 + 2 f(x) x - f(x) + 1)$$

Sequence: A077836
Score: 11.7088
Type of gen. func.: lgdogf

$$-\frac{6 x^3 - 6 x^2 - 6 x - 2}{3 x^4 - 4 x + 1}$$

Sequence: A077836
Score: 14.1389
Type of gen. func.: ogf

$$\frac{x - 1}{3 x^3 + 3 x^2 + 3 x - 1}$$

Sequence: A077836
Score: 15.0272
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^3 - 3 x^2 - 3 x - 1)}{(x - 1) (3 x^3 + 3 x^2 + 3 x - 1)}$$

Sequence: A077836
Score: 6.69074
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) - 3 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 2, a(2) = 9}

Sequence: A077836
Score: 7.06945
Type of gen. func.: ogf

$$(106 f(x) - 73) (3 f(x) x^3 + 3 f(x) x^2 + 3 f(x) x - f(x) - x + 1)$$

Sequence: A077837
Score: 10.3626
Type of gen. func.: lgdogf

$$- \frac{-4 x^3 + 3 x^2 + 6 x + 2}{-2 x^4 - x^3 + 4 x - 1}$$

Sequence: A077837
Score: 14.0775
Type of gen. func.: ogf

x - 1

$$2 x^{3} + 3 x^{2} + 3 x - 1$$

Sequence: A077837
Score: 15.5973
Type of gen. func.: lgdogf

$$- \frac{4 x^{3} - 3 x^{2} - 6 x - 2}{(x - 1) (2 x^{3} + 3 x^{2} + 3 x - 1)}$$

Sequence: A077837
Score: 6.66165
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 2, a(2) = 9\}$$

Sequence: A077837
Score: 6.97294
Type of gen. func.: ogf

$$(485 f(x) - 408) (2 f(x) x^{3} + 3 f(x) x^{2} + 3 f(x) x - f(x) - x + 1)$$

Sequence: A077838
Score: 13.7086
Type of gen. func.: ogf

$$\frac{x - 1}{3 x^{3} + 2 x^{2} + 3 x - 1}$$

Sequence: A077838
Score: 15.1814
Type of gen. func.: lgdogf

$$- \frac{6 x^{3} - 7 x^{2} - 4 x - 2}{(x - 1) (3 x^{3} + 2 x^{2} + 3 x - 1)}$$

Sequence: A077838
Score: 6.48711
Type of gen. func.: ogf

$$\{a(n+3) - 3a(n+2) - 2a(n+1) - 3a(n),\ a(0) = 1,\ a(1) = 2,\ a(2) = 8\}$$

Sequence: A077838
Score: 6.66565
Type of gen. func.: ogf

$$-(79 f(x) - 57)(3 f(x) x^3 + 2 f(x) x^2 + 3 f(x) x - f(x) - x + 1)$$

Sequence: A077838
Score: 9.08195
Type of gen. func.: lgdogf

$$-\frac{-6x^3 + 7x^2 + 4x + 2}{-3x^4 + x^3 - x^2 + 4x - 1}$$

Sequence: A077839
Score: 10.0006
Type of gen. func.: lgdogf

$$-\frac{-4x^3 + 4x^2 + 4x + 2}{-2x^4 - x^2 + 4x - 1}$$

Sequence: A077839
Score: 13.5857
Type of gen. func.: ogf

$$\frac{x - 1}{2x^3 + 2x^2 + 3x - 1}$$

Sequence: A077839

Score: 14.4287
Type of gen. func.: lgdogf

$$-\frac{2\,(2x^3-2x^2-2x-1)}{(x-1)\,(2x^3+2x^2+3x-1)}$$

Sequence: A077839
Score: 6.42893
Type of gen. func.: ogf

$$\{a(n+3)-3\,a(n+2)-2\,a(n+1)-2\,a(n),\ a(0)=1,\ a(1)=2,\ a(2)=8\}$$

Sequence: A077839
Score: 6.72934
Type of gen. func.: ogf

$$-(8\,f(x)-5)\,(2\,f(x)\,x^3+2\,f(x)\,x^2+3\,f(x)\,x-f(x)-x+1)$$

Sequence: A077840
Score: 10.5520
Type of gen. func.: lgdogf

$$-\frac{-6x^3+6x^2+6x+1}{-3x^4+x^2+3x-1}$$

Sequence: A077840
Score: 14.3348
Type of gen. func.: ogf

$$\frac{x-1}{3x^3+3x^2+2x-1}$$

Sequence: A077840
Score: 15.8811
Type of gen. func.: lgdogf

$$-\frac{6 x^3 - 6 x^2 - 6 x - 1}{(x - 1) (3 x^3 + 3 x^2 + 2 x - 1)}$$

Sequence: A077840
Score: 6.78341
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) - 3 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 1, a(2) = 5}

Sequence: A077840
Score: 6.97012
Type of gen. func.: ogf

$$-(55 f(x) - 58) (3 f(x) x^3 + 3 f(x) x^2 + 2 f(x) x - f(x) - x + 1)$$

Sequence: A077841
Score: 14.3348
Type of gen. func.: ogf

$$\frac{x - 1}{2 x^3 + 3 x^2 + 2 x - 1}$$

Sequence: A077841
Score: 15.8811
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 3 x^2 - 6 x - 1}{(x - 1) (2 x^3 + 3 x^2 + 2 x - 1)}$$

Sequence: A077841
Score: 6.78341
Type of gen. func.: ogf

{-a(n + 3) + 2 a(n + 2) + 3 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 1, a(2) = 5}

Sequence: A077841
Score: 6.97012
Type of gen. func.: ogf

$$-(41 f(x) - 76) (2 f(x) x^3 + 3 f(x) x^2 + 2 f(x) x - f(x) - x + 1)$$

Sequence: A077841
Score: 9.49678
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 + 3 x^2 + 6 x + 1}{-2 x^4 - x^3 + x^2 + 3 x - 1}$$

Sequence: A077842
Score: 10.8970
Type of gen. func.: lgdogf

$$-\frac{-6 x^3 + 7 x^2 + 4 x + 1}{-3 x^4 + x^3 + 3 x - 1}$$

Sequence: A077842
Score: 14.8034
Type of gen. func.: ogf

$$\frac{x - 1}{(3 x - 1) (x^2 + x + 1)}$$

Sequence: A077842
Score: 17.1358
Type of gen. func.: lgdogf

$$-\frac{6 x^3 - 7 x^2 - 4 x - 1}{(x - 1) (3 x - 1) (x^2 + x + 1)}$$

Sequence: A077842
Score: 7.00519
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 1, a(2) = 4\}$$

Sequence: A077842
Score: 7.47219
Type of gen. func.: ogf

$$(25 f(x) - 21) (3 f(x) x^3 + 2 f(x) x^2 + 2 f(x) x - f(x) - x + 1)$$

Sequence: A077843
Score: 11.9434
Type of gen. func.: lgdogf

$$- \frac{-4 x^3 + 4 x^2 + 4 x + 1}{-2 x^4 + 3 x - 1}$$

Sequence: A077843
Score: 14.4222
Type of gen. func.: ogf

$$\frac{x - 1}{2 x^3 + 2 x^2 + 2 x - 1}$$

Sequence: A077843
Score: 15.9768
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 4 x^2 - 4 x - 1}{(x - 1) (2 x^3 + 2 x^2 + 2 x - 1)}$$

Sequence: A077843
Score: 6.82479

Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 1, a(2) = 4\}$$

Sequence: A077843
Score: 7.27977
Type of gen. func.: ogf

$$(33 f(x) - 29) (2 f(x) x^3 + 2 f(x) x^2 + 2 f(x) x - f(x) - x + 1)$$

Sequence: A077844
Score: 2.38946
Type of gen. func.: ogf

$$-(f(x) - 1) (2 f(x) x^4 - 3 f(x) x + f(x) - 1)$$

Sequence: A077844
Score: 6.15467
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (2 x^3 + 2 x^2 + 2 x - 1)}$$

Sequence: A077845
Score: 11.4884
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 3 x^2 - 3}{x^4 + x^3 - 3 x + 1}$$

Sequence: A077845
Score: 18.7255
Type of gen. func.: lgdogf

```
                 3      2
              4 x  + 3 x  - 3
      - -----------------------------
                 3      2
```

$$(x - 1) (x + 2 x + 2 x - 1)$$

Sequence: A077845
Score: 19.0540
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (x^3 + 2 x^2 + 2 x - 1)}$$

Sequence: A077845
Score: 7.81213
Type of gen. func.: ogf

$$(15 f(x) - 2) (f(x) x^4 + f(x) x^3 - 3 f(x) x + f(x) - 1)$$

Sequence: A077846
Score: 12.6763
Type of gen. func.: lgdogf

$$- \frac{6 x^2 - 3}{2 x^3 - 3 x + 1}$$

Sequence: A077846
Score: 19.5753
Type of gen. func.: lgdogf

$$- \frac{3 (2 x^2 - 1)}{(x - 1) (2 x^2 + 2 x - 1)}$$

Sequence: A077846
Score: 22.7299
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (2 x^2 + 2 x - 1)}$$

Sequence: A077846
Score: 7.01243
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 2 a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A077846
Score: 7.75491
Type of gen. func.: ogf

$$-(f(x) - 1) (2 f(x) x^3 - 3 f(x) x + f(x) - 1)$$

Sequence: A077847
Score: 11.0909
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 12 x^2 + 3}{2 x^4 - 4 x^3 + 3 x - 1}$$

Sequence: A077847
Score: 17.4806
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 12 x^2 + 3}{(x - 1) (2 x^3 - 2 x^2 - 2 x + 1)}$$

Sequence: A077847
Score: 20.6830
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (2 x^3 - 2 x^2 - 2 x + 1)}$$

Sequence: A077847
Score: 7.57692
Type of gen. func.: ogf

$$(72 f(x) - 29) (2 f(x) x^4 - 4 f(x) x^3 + 3 f(x) x - f(x) + 1)$$

Sequence: A077848
Score: 17.4595
Type of gen. func.: lgdogf

$$- \frac{8 x^3 - 3 x^2 + 2 x - 3}{(x - 1) (2 x^3 + x^2 + 2 x - 1)}$$

Sequence: A077848
Score: 17.7618
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (2 x^3 + x^2 + 2 x - 1)}$$

Sequence: A077848
Score: 6.60563
Type of gen. func.: ogf

$$(217 f(x) + 128) (2 f(x) x^4 - f(x) x^3 + f(x) x^2 - 3 f(x) x + f(x) - 1)$$

Sequence: A077848
Score: 9.99102
Type of gen. func.: lgdogf

$$- \frac{8 x^3 - 3 x^2 + 2 x - 3}{2 x^4 - x^3 + x^2 - 3 x + 1}$$

Sequence: A077849
Score: 12.1168

Type of gen. func.: lgdogf

$$-\frac{-4x^3-2x+3}{-x^4-x^2+3x-1}$$

Sequence: A077849
Score: 20.5910
Type of gen. func.: lgdogf

$$-\frac{4x^3+2x-3}{(x-1)(x^3+x^2+2x-1)}$$

Sequence: A077849
Score: 20.9588
Type of gen. func.: ogf

$$\frac{1}{(x-1)(x^3+x^2+2x-1)}$$

Sequence: A077849
Score: 7.83306
Type of gen. func.: ogf

$$(f(x)+2)(f(x)x^4+f(x)x^2-3f(x)x+f(x)-1)$$

Sequence: A077850
Score: 10.1373
Type of gen. func.: lgdogf

$$-\frac{4x^3-6x^2-2x+3}{x^4-2x^3-x^2+3x-1}$$

Sequence: A077850
Score: 18.0218

Type of gen. func.: ogf

$$-\frac{1}{(x-1)\,(x^3-x^2-2\,x+1)}$$

Sequence: A077850
Score: 19.9280
Type of gen. func.: lgdogf

$$-\frac{(2\,x-3)\,(2\,x^2-1)}{(x-1)\,(x^3-x^2-2\,x+1)}$$

Sequence: A077850
Score: 6.54018
Type of gen. func.: ogf

$$-(107\,f(x)-38)\,(f(x)\,x^4-2\,f(x)\,x^3-f(x)\,x^2+3\,f(x)\,x-f(x)+1)$$

Sequence: A077851
Score: 17.2463
Type of gen. func.: ogf

$$\frac{1}{(x-1)\,(2\,x^3+2\,x-1)}$$

Sequence: A077851
Score: 20.0617
Type of gen. func.: lgdogf

$$-\frac{(4\,x-3)\,(2\,x^2+1)}{(x-1)\,(2\,x^3+2\,x-1)}$$

Sequence: A077851
Score: 6.63317
Type of gen. func.: ogf

$$(5 f(x) + 2) (2 f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - 3 f(x) x + f(x) - 1)$$

Sequence: A077851
Score: 9.70102
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 6 x^2 + 4 x - 3}{2 x^4 - 2 x^3 + 2 x^2 - 3 x + 1}$$

Sequence: A077852
Score: 16.0556
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (x^3 + 2 x - 1)}$$

Sequence: A077852
Score: 22.7312
Type of gen. func.: lgdogf

$$-\frac{(4 x - 3) (x^2 + 1)}{(x - 1) (x^3 + 2 x - 1)}$$

Sequence: A077852
Score: 6.72412
Type of gen. func.: ogf

$$(5 f(x) - 2) (f(x) x^4 - f(x) x^3 + 2 f(x) x^2 - 3 f(x) x + f(x) - 1)$$

Sequence: A077852
Score: 9.83404
Type of gen. func.: lgdogf

3 2

$$- \frac{4 x - 3 x + 4 x - 3}{x^4 - x^3 + 2 x^2 - 3 x + 1}$$

Sequence: A077853
Score: 10.1444
Type of gen. func.: lgdogf

$$- \frac{-8 x^3 + 6 x^2 + 4 x - 3}{-2 x^4 + 2 x^3 + 2 x^2 - 3 x + 1}$$

Sequence: A077853
Score: 18.0345
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (2 x^3 - 2 x + 1)}$$

Sequence: A077853
Score: 6.87757
Type of gen. func.: ogf

$$(5 f(x) - 14) (2 f(x) x^4 - 2 f(x) x^3 - 2 f(x) x^2 + 3 f(x) x - f(x) + 1)$$

Sequence: A077854
Score: 17.0164
Type of gen. func.: ogf

$$\frac{1}{(2 x - 1) (x - 1) (x^2 + 1)}$$

Sequence: A077854
Score: 17.4825
Type of gen. func.: lgdogf

$$8 x^3 - 9 x^2 + 6 x - 3$$

```
                          - --------------------------
                                                2
                            (x - 1) (2 x - 1) (x  + 1)



------------------------------------------------------------------------------

Sequence:  A077854
Score: 6.43475
Type of gen. func.: ogf


                            4            3            2
    (17 f(x) + 64) (2 f(x) x  - 3 f(x) x  + 3 f(x) x  - 3 f(x) x + f(x) - 1)



------------------------------------------------------------------------------

Sequence:  A077854
Score: 9.57170
Type of gen. func.: lgdogf


                                 3      2
                              8 x  - 9 x  + 6 x - 3
                         - ----------------------------
                              4      3      2
                           2 x  - 3 x  + 3 x  - 3 x + 1



------------------------------------------------------------------------------

Sequence:  A077855
Score: 16.3087
Type of gen. func.: ogf


                                       1
                          ---------------------------
                                    3    2
                          (x - 1) (x  - x  + 2 x - 1)



------------------------------------------------------------------------------

Sequence:  A077855
Score: 18.2510
Type of gen. func.: lgdogf


                                 3      2
                              4 x  - 6 x  + 6 x - 3
                         - ---------------------------
                                     3    2
                           (x - 1) (x  - x  + 2 x - 1)



------------------------------------------------------------------------------

Sequence:  A077855
Score: 6.60434
Type of gen. func.: ogf


                          4            3            2
     -(3 f(x) - 2) (f(x) x  - 2 f(x) x  + 3 f(x) x  - 3 f(x) x + f(x) - 1)
```

Sequence: A077855
Score: 9.98906
Type of gen. func.: lgdogf

$$-\frac{-4x^3+6x^2-6x+3}{-x^4+2x^3-3x^2+3x-1}$$

Sequence: A077856
Score: 12.8704
Type of gen. func.: lgdogf

$$-\frac{-4x^3+6x-3}{-x^4+3x^2-3x+1}$$

Sequence: A077856
Score: 22.2622
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(x^3+x^2-2x+1)}$$

Sequence: A077856
Score: 24.7612
Type of gen. func.: lgdogf

$$-\frac{4x^3-6x+3}{(x-1)(x^3+x^2-2x+1)}$$

Sequence: A077856
Score: 8.23703
Type of gen. func.: ogf

$$(29 f(x) - 2) (f(x) x^4 - 3 f(x) x^2 + 3 f(x) x - f(x) + 1)$$

Sequence: A077857
Score: 10.1852
Type of gen. func.: lgdogf

$$-\frac{-8 x^3 + 3 x^2 + 6 x - 3}{-2 x^4 + x^3 + 3 x^2 - 3 x + 1}$$

Sequence: A077857
Score: 16.6290
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (2 x^3 + x^2 - 2 x + 1)}$$

Sequence: A077857
Score: 19.6761
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 3 x^2 - 6 x + 3}{(x - 1) (2 x^3 + x^2 - 2 x + 1)}$$

Sequence: A077857
Score: 6.51855
Type of gen. func.: ogf

$$-(399 f(x) + 128) (2 f(x) x^4 - f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 1)$$

Sequence: A077858
Score: 10.2013
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 12 x^2 + 8 x - 3}{2 x^4 - 4 x^3 + 4 x^2 - 3 x + 1}$$

Sequence: A077858
Score: 16.9074
Type of gen. func.: lgdogf

$$-\frac{8x^3 - 12x^2 + 8x - 3}{(x - 1)(2x^3 - 2x^2 + 2x - 1)}$$

Sequence: A077858
Score: 18.3624
Type of gen. func.: ogf

$$\frac{1}{(x - 1)(2x^3 - 2x^2 + 2x - 1)}$$

Sequence: A077858
Score: 7.00262
Type of gen. func.: ogf

$$(4 f(x) + 11)(2 f(x) x^4 - 4 f(x) x^3 + 4 f(x) x^2 - 3 f(x) x + f(x) - 1)$$

Sequence: A077859
Score: 14.5935
Type of gen. func.: lgdogf

$$-\frac{-4x^2 + 5x - 3}{-x^3 + 2x^2 - 2x + 1}$$

Sequence: A077859
Score: 19.0609
Type of gen. func.: ogf

$$\frac{1}{(x^2 - x + 1)(x - 1)^2}$$

Sequence: A077859
Score: 28.2130
Type of gen. func.: ogf_with_Euler_transform]

$$x^5 - x^2 - x + 3$$

Sequence: A077859
Score: 29.5731
Type of gen. func.: lgdogf

$$-\frac{4 x^2 - 5 x + 3}{(x - 1) (x^2 - x + 1)}$$

Sequence: A077859
Score: 4.76522
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (9 + 2 n) a(n + 3) + (-9 - 2 n) a(n + 2) + (5 + n) a(n + 1), a(0) = 1, a(1) = 3, a(2) = 5, a(3) = 6\}$$

Sequence: A077859
Score: 7.9151
Type of gen. func.: ogf

$$(3 f(x) + 14) (f(x) x^4 - 3 f(x) x^3 + 4 f(x) x^2 - 3 f(x) x + f(x) - 1)$$

Sequence: A077860
Score: 13.3072
Type of gen. func.: lgdogf

$$-\frac{-6 x^2 + 8 x - 3}{-2 x^3 + 4 x^2 - 3 x + 1}$$

Sequence: A077860
Score: 23.0179
Type of gen. func.: ogf

$$-\frac{1}{(x - 1)(2 x^2 - 2 x + 1)}$$

Sequence: A077860
Score: 7.60414
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 4 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 3, a(2) = 5\}$$

Sequence: A077860
Score: 8.26858
Type of gen. func.: ogf

$$-(4 f(x) - 9) (2 f(x) x^3 - 4 f(x) x^2 + 3 f(x) x - f(x) + 1)$$

Sequence: A077861
Score: 10.0034
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 3 x^2 - 8 x + 3}{x^4 + x^3 - 4 x^2 + 3 x - 1}$$

Sequence: A077861
Score: 16.3320
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (x^3 + 2 x^2 - 2 x + 1)}$$

Sequence: A077861
Score: 6.66891
Type of gen. func.: ogf

$$(805 f(x) - 34) (f(x) x^4 + f(x) x^3 - 4 f(x) x^2 + 3 f(x) x - f(x) + 1)$$

Sequence: A077862
Score: 12.3743
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 8 x + 3}{2 x^4 - 4 x^2 + 3 x - 1}$$

Sequence: A077862
Score: 19.3160
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (2 x^3 + 2 x^2 - 2 x + 1)}$$

Sequence: A077862
Score: 7.61498
Type of gen. func.: ogf

$$-(13 f(x) - 1) (2 f(x) x^4 - 4 f(x) x^2 + 3 f(x) x - f(x) + 1)$$

Sequence: A077863
Score: 12.3467
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 2 x - 2}{2 x^4 - x^2 - 2 x + 1}$$

Sequence: A077863
Score: 19.9058
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^3 - x - 1)}{}$$

$$(x - 1) (2 x^{3} + 2 x^{2} + x - 1)$$

Sequence: A077863
Score: 21.3565
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (2 x^{3} + 2 x^{2} + x - 1)}$$

Sequence: A077863
Score: 7.98169
Type of gen. func.: ogf

$$(f(x) - 4) (2 f(x) x^{4} - f(x) x^{2} - 2 f(x) x + f(x) - 1)$$

Sequence: A077864
Score: 10.2273
Type of gen. func.: lgdogf

$$- \frac{4 x^{3} + 3 x^{2} - 2 x - 2}{x^{4} + x^{3} - x^{2} - 2 x + 1}$$

Sequence: A077864
Score: 16.6976
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (x^{3} + 2 x^{2} + x - 1)}$$

Sequence: A077864
Score: 18.7023
Type of gen. func.: lgdogf

$$- \frac{4 x^{3} + 3 x^{2} - 2 x - 2}{{}^{3} \qquad {}^{2}}$$

$$(x - 1) (x + 2 x + x - 1)$$

Sequence: A077864
Score: 6.70642
Type of gen. func.: ogf

$$-(13 f(x) - 6) (f(x) x^4 + f(x) x^3 - f(x) x^2 - 2 f(x) x + f(x) - 1)$$

Sequence: A077865
Score: 10.1682
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 9 x^2 + 2 x + 2}{x^4 - 3 x^3 + x^2 + 2 x - 1}$$

Sequence: A077865
Score: 16.6012
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (x^3 - 2 x^2 - x + 1)}$$

Sequence: A077865
Score: 19.0268
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 9 x^2 + 2 x + 2}{(x - 1) (x^3 - 2 x^2 - x + 1)}$$

Sequence: A077865
Score: 6.56015
Type of gen. func.: ogf

$$-(509 f(x) - 86) (f(x) x^4 - 3 f(x) x^3 + f(x) x^2 + 2 f(x) x - f(x) + 1)$$

Sequence: A077866
Score: 13.1402
Type of gen. func.: lgdogf

$$-\frac{-8 x^{2} + 4 x + 2}{-2 x^{3} + 2 x^{2} + x - 1}$$

Sequence: A077866
Score: 17.1628
Type of gen. func.: ogf

$$-\frac{1}{(2 x^{2} - 1) (x - 1)^{2}}$$

Sequence: A077866
Score: 25.0311
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^{2} - 2 x - 1)}{(x - 1) (2 x^{2} - 1)}$$

Sequence: A077866
Score: 4.26891
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (5 + n) a(n + 3) + (8 + 2 n) a(n + 2)$$

$$+ (-10 - 2 n) a(n + 1), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 8\}$$

Sequence: A077866
Score: 6.8372
Type of gen. func.: ogf

$$-(49 f(x) - 48) (2 f(x) x^{4} - 4 f(x) x^{3} + f(x) x^{2} + 2 f(x) x - f(x) + 1)$$

Sequence: A077867
Score: 12.4264
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 9 x^2 + 2}{2 x^4 - 3 x^3 + 2 x - 1}$$

Sequence: A077867
Score: 22.8377
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (2 x^3 - x^2 - x + 1)}$$

Sequence: A077867
Score: 6.81448
Type of gen. func.: ogf

{-a(n + 4) + 2 a(n + 3) - 3 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 2, a(2) = 4,

a(3) = 5}

Sequence: A077867
Score: 8.20385
Type of gen. func.: ogf

$$(259 f(x) - 736) (2 f(x) x^4 - 3 f(x) x^3 + 2 f(x) x - f(x) + 1)$$

Sequence: A077868
Score: 10.2786
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 3 x^2 + 2 x - 2}{x^4 - x^3 + x^2 - 2 x + 1}$$

Sequence: A077868

Score: 16.7814
Type of gen. func.: ogf

$$\frac{1}{(x-1)\,(x^3+x-1)}$$

Sequence: A077868
Score: 21.8199
Type of gen. func.: lgdogf

$$-\frac{4x^3-3x^2+2x-2}{(x-1)\,(x^3+x-1)}$$

Sequence: A077868
Score: 7.0281
Type of gen. func.: ogf

$$(2f(x)+1)\,(f(x)x^4-f(x)x^3+f(x)x^2-2f(x)x+f(x)-1)$$

Sequence: A077869
Score: 11.2810
Type of gen. func.: lgdogf

$$-\frac{4x^3-3x^2-2x+2}{x^4-x^3-x^2+2x-1}$$

Sequence: A077869
Score: 18.4179
Type of gen. func.: ogf

$$-\frac{1}{(x-1)\,(x^3-x+1)}$$

Sequence: A077869
Score: 27.8414

Type of gen. func.: lgdogf

$$-\frac{4x^3-3x^2-2x+2}{(x-1)(x^3-x+1)}$$

Sequence: A077869
Score: 7.71348
Type of gen. func.: ogf

$$(f(x)+6)(f(x)x^4-f(x)x^3-f(x)x^2+2f(x)x-f(x)+1)$$

Sequence: A077870
Score: 10.7680
Type of gen. func.: lgdogf

$$-\frac{8x^3-6x^2-2x+2}{2x^4-2x^3-x^2+2x-1}$$

Sequence: A077870
Score: 17.5805
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(x+1)(2x^2-2x+1)}$$

Sequence: A077870
Score: 20.2252
Type of gen. func.: lgdogf

$$-\frac{2(4x^3-3x^2-x+1)}{(x-1)(x+1)(2x^2-2x+1)}$$

Sequence: A077870
Score: 7.30038

Type of gen. func.: ogf

$$(3 f(x) - 10) (2 f(x) x^4 - 2 f(x) x^3 - f(x) x^2 + 2 f(x) x - f(x) + 1)$$

Sequence: A077871
Score: 10.4809
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 9 x^2 + 4 x - 2}{2 x^4 - 3 x^3 + 2 x^2 - 2 x + 1}$$

Sequence: A077871
Score: 17.1117
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (2 x^3 - x^2 + x - 1)}$$

Sequence: A077871
Score: 19.1432
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 9 x^2 + 4 x - 2}{(x - 1) (2 x^3 - x^2 + x - 1)}$$

Sequence: A077871
Score: 6.70778
Type of gen. func.: ogf

$$-(235 f(x) + 416) (2 f(x) x^4 - 3 f(x) x^3 + 2 f(x) x^2 - 2 f(x) x + f(x) - 1)$$

Sequence: A077872
Score: 13.4998
Type of gen. func.: lgdogf

$$-\frac{-4x^3+4x-2}{-x^4+2x^2-2x+1}$$

Sequence: A077872
Score: 23.3509
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(x^3+x^2-x+1)}$$

Sequence: A077872
Score: 26.2698
Type of gen. func.: lgdogf

$$-\frac{2(2x^3-2x+1)}{(x-1)(x^3+x^2-x+1)}$$

Sequence: A077872
Score: 8.3882
Type of gen. func.: ogf

$$-(7f(x)-1)(f(x)x^4-2f(x)x^2+2f(x)x-f(x)+1)$$

Sequence: A077873
Score: 10.5589
Type of gen. func.: lgdogf

$$-\frac{-8x^3+3x^2+4x-2}{-2x^4+x^3+2x^2-2x+1}$$

Sequence: A077873
Score: 17.2390
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(2x^3+x^2-x+1)}$$

Sequence: A077873
Score: 21.5361
Type of gen. func.: lgdogf

$$-\frac{8x^3-3x^2-4x+2}{(x-1)(2x^3+x^2-x+1)}$$

Sequence: A077873
Score: 7.09843
Type of gen. func.: ogf

$$(79 f(x) + 96) (2 f(x) x^4 - f(x) x^3 - 2 f(x) x^2 + 2 f(x) x - f(x) + 1)$$

Sequence: A077874
Score: 13.1146
Type of gen. func.: lgdogf

$$-\frac{8x^2-4x+2}{2x^3-2x^2+x-1}$$

Sequence: A077874
Score: 17.1292
Type of gen. func.: ogf

$$\frac{1}{(2x^2+1)(x-1)^2}$$

Sequence: A077874
Score: 27.4177
Type of gen. func.: lgdogf

2

$$-\frac{2 (4 x - 2 x + 1)}{(x - 1) (2 x^{2} + 1)}$$

Sequence: A077874
Score: 4.28231
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (5 + n) a(n + 3) + (-8 - 2 n) a(n + 2) + (10 + 2 n) a(n + 1), a(0) = 1, a(1) = 2, a(2) = 1, a(3) = 0\}$$

Sequence: A077874
Score: 7.05321
Type of gen. func.: ogf

$$(23 f(x) + 32) (2 f(x) x^{4} - 4 f(x) x^{3} + 3 f(x) x^{2} - 2 f(x) x + f(x) - 1)$$

Sequence: A077875
Score: 10.7142
Type of gen. func.: lgdogf

$$-\frac{4 x^{3} - 9 x^{2} + 6 x - 2}{x^{4} - 3 x^{3} + 3 x^{2} - 2 x + 1}$$

Sequence: A077875
Score: 17.4926
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (x^{3} - 2 x^{2} + x - 1)}$$

Sequence: A077875
Score: 21.8537
Type of gen. func.: lgdogf

$$-\frac{4 x^{3} - 9 x^{2} + 6 x - 2}{}$$

$$(x - 1) (x^3 - 2 x^2 + x - 1)$$

Sequence: A077875
Score: 6.9124
Type of gen. func.: ogf

$$-(113 f(x) + 58) (f(x) x^4 - 3 f(x) x^3 + 3 f(x) x^2 - 2 f(x) x + f(x) - 1)$$

Sequence: A077876
Score: 13.1011
Type of gen. func.: lgdogf

$$- \frac{-6 x^2 + 6 x - 2}{-2 x^3 + 3 x^2 - 2 x + 1}$$

Sequence: A077876
Score: 22.6614
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (2 x^2 - x + 1)}$$

Sequence: A077876
Score: 26.6879
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^2 - 3 x + 1)}{(x - 1) (2 x^2 - x + 1)}$$

Sequence: A077876
Score: 7.48636
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 2, a(2) = 1\}$$

Sequence: A077876
Score: 7.98545
Type of gen. func.: ogf

$$-(31 f(x) - 76) (2 f(x) x^3 - 3 f(x) x^2 + 2 f(x) x - f(x) + 1)$$

Sequence: A077877
Score: 10.2587
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 3 x^2 - 6 x + 2}{x^4 + x^3 - 3 x^2 + 2 x - 1}$$

Sequence: A077877
Score: 16.7490
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (x^3 + 2 x^2 - x + 1)}$$

Sequence: A077877
Score: 20.9551
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 3 x^2 - 6 x + 2}{(x - 1) (x^3 + 2 x^2 - x + 1)}$$

Sequence: A077877
Score: 6.83916
Type of gen. func.: ogf

$$(391 f(x) - 26) (f(x) x^4 + f(x) x^3 - 3 f(x) x^2 + 2 f(x) x - f(x) + 1)$$

Sequence: A077878
Score: 12.6747
Type of gen. func.: lgdogf

$$-\frac{-8x^3+6x-2}{-2x^4+3x^2-2x+1}$$

Sequence: A077878
Score: 19.7850
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(2x^3+2x^2-x+1)}$$

Sequence: A077878
Score: 20.4398
Type of gen. func.: lgdogf

$$-\frac{2(x+1)(2x-1)^2}{(x-1)(2x^3+2x^2-x+1)}$$

Sequence: A077878
Score: 7.79982
Type of gen. func.: ogf

$$-(31 f(x)-4)(2 f(x) x^4-3 f(x) x^2+2 f(x) x-f(x)+1)$$

Sequence: A077879
Score: 12.4690
Type of gen. func.: lgdogf

$$-\frac{8x^3-4x-1}{2x^4-2x^2-x+1}$$

Sequence: A077879
Score: 17.8084
Type of gen. func.: lgdogf

$$-\frac{(2x+1)(4x^2-2x-1)}{(x-1)(2x^3+2x^2-1)}$$

Sequence: A077879
Score: 19.4637
Type of gen. func.: ogf

$$\frac{1}{(x-1)(2x^3+2x^2-1)}$$

Sequence: A077879
Score: 8.06074
Type of gen. func.: ogf

$$(2f(x)+1)(2f(x)x^4-2f(x)x^2-f(x)x+f(x)-1)$$

Sequence: A077880
Score: 14.1408
Type of gen. func.: lgdogf

$$-\frac{-4x^2+5x+1}{-x^3+2x^2-1}$$

Sequence: A077880
Score: 18.8545
Type of gen. func.: ogf

$$-\frac{1}{(x^2-x-1)(x-1)^2}$$

Sequence: A077880

Score: 29.0574
Type of gen. func.: lgdogf

$$-\frac{4 x^2 - 5 x - 1}{(x - 1) (x^2 - x - 1)}$$

Sequence: A077880
Score: 4.71362
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + a(n + 3) + (9 + 2 n) a(n + 2) + (-5 - n) a(n + 1),$$

$$a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 2\}$$

Sequence: A077880
Score: 7.12984
Type of gen. func.: ogf

$$(19 f(x) - 10) (f(x) x^4 - 3 f(x) x^3 + 2 f(x) x^2 + f(x) x - f(x) + 1)$$

Sequence: A077881
Score: 10.1766
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 12 x^2 + 4 x + 1}{2 x^4 - 4 x^3 + 2 x^2 + x - 1}$$

Sequence: A077881
Score: 18.3178
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (2 x^3 - 2 x^2 + 1)}$$

Sequence: A077881
Score: 20.2774
Type of gen. func.: lgdogf

$$-\frac{8x^3-12x^2+4x+1}{(x-1)(2x^3-2x^2+1)}$$

Sequence: A077881
Score: 6.9856
Type of gen. func.: ogf

$$(3f(x)-19)(2f(x)x^4-4f(x)x^3+2f(x)x^2+f(x)x-f(x)+1)$$

Sequence: A077882
Score: 10.6254
Type of gen. func.: lgdogf

$$-\frac{8x^3-3x^2-2x-1}{2x^4-x^3-x^2-x+1}$$

Sequence: A077882
Score: 16.0383
Type of gen. func.: ogf

$$\frac{x}{(x-1)(2x^3+x^2-1)}$$

Sequence: A077882
Score: 20.4573
Type of gen. func.: lgdogf

$$-\frac{8x^3-3x^2-2x-1}{(x-1)(2x^3+x^2-1)}$$

Sequence: A077882
Score: 7.14312
Type of gen. func.: ogf

$$(33 f(x) + 28) (2 f(x) x^4 - f(x) x^3 - f(x) x^2 - f(x) x + f(x) - x)$$

Sequence: A077883
Score: 10.6190
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 6 x^2 + 2 x + 1}{x^4 - 2 x^3 + x^2 + x - 1}$$

Sequence: A077883
Score: 18.8782
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (x^3 - x^2 + 1)}$$

Sequence: A077883
Score: 24.4353
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 6 x^2 + 2 x + 1}{(x - 1) (x^3 - x^2 + 1)}$$

Sequence: A077883
Score: 7.26083
Type of gen. func.: ogf

$$(f(x) + 6) (f(x) x^4 - 2 f(x) x^3 + f(x) x^2 + f(x) x - f(x) + 1)$$

Sequence: A077884
Score: 10.2646
Type of gen. func.: lgdogf

3 2

$$-\frac{8 x - 9 x + 2 x + 1}{2 x^{4} - 3 x^{3} + x^{2} + x - 1}$$

Sequence: A077884
Score: 16.7586
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (2 x^{3} - x^{2} + 1)}$$

Sequence: A077884
Score: 6.78652
Type of gen. func.: ogf

$$(107 f(x) - 512) (2 f(x) x^{4} - 3 f(x) x^{3} + f(x) x^{2} + f(x) x - f(x) + 1)$$

Sequence: A077885
Score: 13.1321
Type of gen. func.: lgdogf

$$-\frac{8 x^{3} - 6 x^{2} - 1}{2 x^{4} - 2 x^{3} - x + 1}$$

Sequence: A077885
Score: 21.7800
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (2 x^{3} - 1)}$$

Sequence: A077885
Score: 26.5811
Type of gen. func.: lgdogf

$$8 x^{3} - 6 x^{2} - 1$$

$$-\frac{}{(x - 1) (2 x^3 - 1)}$$

Sequence: A077885
Score: 7.20145
Type of gen. func.: ogf

{-a(n + 4) + a(n + 3) + 2 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 1, a(2) = 1,

a(3) = 3}

Sequence: A077885
Score: 8.58636
Type of gen. func.: ogf

$$-(7 f(x) + 10) (2 f(x) x^4 - 2 f(x) x^3 - f(x) x + f(x) - 1)$$

Sequence: A077886
Score: 13.1417
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 6 x^2 + 1}{2 x^4 - 2 x^3 + x - 1}$$

Sequence: A077886
Score: 21.7960
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (2 x^3 + 1)}$$

Sequence: A077886
Score: 30.8063
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 6 x^2 + 1}{^3}$$

$$(x - 1) (2 x + 1)$$

Sequence: A077886
Score: 7.20673
Type of gen. func.: ogf

$\{-a(n + 4) + a(n + 3) - 2 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 1, a(2) = 1,$

$a(3) = -1\}$

Sequence: A077886
Score: 8.67607
Type of gen. func.: ogf

$$-(2 f(x) - 3) (2 f(x) x^4 - 2 f(x) x^3 + f(x) x - f(x) + 1)$$

Sequence: A077887
Score: 14.1944
Type of gen. func.: lgdogf

$$- \frac{-8 x^2 + x - 1}{-2 x^3 + x^2 + 1}$$

Sequence: A077887
Score: 18.9259
Type of gen. func.: ogf

$$\frac{1}{(2 x^2 + x + 1) (x - 1)^2}$$

Sequence: A077887
Score: 30.9696
Type of gen. func.: lgdogf

$$- \frac{8 x^2 - x + 1}{(x - 1) (2 x^2 + x + 1)}$$

Sequence: A077887
Score: 4.73147
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + a(n + 3) + (-3 - n) a(n + 2) + (10 + 2 n) a(n + 1),$$
$$a(0) = 1, a(1) = 1, a(2) = 0, a(3) = 2\}$$

Sequence: A077887
Score: 7.03855
Type of gen. func.: ogf

$$(563 f(x) + 640) (2 f(x) x^4 - 3 f(x) x^3 + f(x) x^2 - f(x) x + f(x) - 1)$$

Sequence: A077888
Score: 10.8938
Type of gen. func.: lgdogf

$$- \frac{-4 x^3 + 6 x^2 - 2 x + 1}{-x^4 + 2 x^3 - x^2 + x - 1}$$

Sequence: A077888
Score: 17.7858
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (x^3 - x^2 - 1)}$$

Sequence: A077888
Score: 25.0868
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 6 x^2 + 2 x - 1}{(x - 1) (x^3 - x^2 - 1)}$$

Sequence: A077888
Score: 7.08541
Type of gen. func.: ogf

$$-(27 f(x) + 22) (f(x) x^4 - 2 f(x) x^3 + f(x) x^2 - f(x) x + f(x) - 1)$$

Sequence: A077889
Score: 13.8824
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 2 x + 1}{x^4 - x^2 + x - 1}$$

Sequence: A077889
Score: 24.0128
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (x^3 + x^2 + 1)}$$

Sequence: A077889
Score: 31.0914
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 2 x + 1}{(x - 1) (x^3 + x^2 + 1)}$$

Sequence: A077889
Score: 8.97447
Type of gen. func.: ogf

$$(5 f(x) - 2) (f(x) x^4 - f(x) x^2 + f(x) x - f(x) + 1)$$

Sequence: A077890

Score: 10.4917
Type of gen. func.: lgdogf

$$-\frac{-8x^3+3x^2+2x-1}{-2x^4+x^3+x^2-x+1}$$

Sequence: A077890
Score: 17.1292
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(x+1)(2x^2-x+1)}$$

Sequence: A077890
Score: 20.7383
Type of gen. func.: lgdogf

$$-\frac{8x^3-3x^2-2x+1}{(x-1)(x+1)(2x^2-x+1)}$$

Sequence: A077890
Score: 7.05321
Type of gen. func.: ogf

$$(33 f(x) - 64) (2 f(x) x^4 - f(x) x^3 - f(x) x^2 + f(x) x - f(x) + 1)$$

Sequence: A077891
Score: 10.0404
Type of gen. func.: lgdogf

$$-\frac{-8x^3+12x^2-4x+1}{-2x^4+4x^3-2x^2+x-1}$$

Sequence: A077891

Score: 18.0727
Type of gen. func.: ogf

$$\frac{1}{(x-1)(2x^3-2x^2-1)}$$

Sequence: A077891
Score: 6.89214
Type of gen. func.: ogf

$$(11 f(x) + 7) (2 f(x) x^4 - 4 f(x) x^3 + 2 f(x) x^2 - f(x) x + f(x) - 1)$$

Sequence: A077892
Score: 10.2173
Type of gen. func.: lgdogf

$$-\frac{-4x^3+9x^2-4x+1}{-x^4+3x^3-2x^2+x-1}$$

Sequence: A077892
Score: 18.1641
Type of gen. func.: ogf

$$\frac{1}{(x-1)(x^3-2x^2-1)}$$

Sequence: A077892
Score: 6.59181
Type of gen. func.: ogf

$$-(391 f(x) + 74) (f(x) x^4 - 3 f(x) x^3 + 2 f(x) x^2 - f(x) x + f(x) - 1)$$

Sequence: A077893
Score: 2.87894
Type of gen. func.: ogf

$$(f(x) - 1) (2 f(x) x^4 + f(x) x^2 - f(x) + x + 1)$$

Sequence: A077893
Score: 4.99408
Type of gen. func.: ogf

$$- \frac{x + 1}{(x^2 + 1) (2 x^2 - 1)}$$

Sequence: A077894
Score: 10.3592
Type of gen. func.: lgdogf

$$- \frac{-4 x^3 - 3 x^2 + 4 x - 1}{-x^4 - x^3 + 2 x^2 - x + 1}$$

Sequence: A077894
Score: 16.9130
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (x^3 + 2 x^2 + 1)}$$

Sequence: A077894
Score: 22.4213
Type of gen. func.: lgdogf

$$- \frac{4 x^3 + 3 x^2 - 4 x + 1}{(x - 1) (x^3 + 2 x^2 + 1)}$$

Sequence: A077894
Score: 6.79293
Type of gen. func.: ogf

4 3 2

$$-(49 f(x) - 6) (f(x) x + f(x) x - 2 f(x) x + f(x) x - f(x) + 1)$$

Sequence: A077895
Score: 13.3738
Type of gen. func.: lgdogf

$$-\frac{-8 x^3 + 4 x - 1}{-2 x^4 + 2 x^2 - x + 1}$$

Sequence: A077895
Score: 20.8762
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (2 x^3 + 2 x^2 + 1)}$$

Sequence: A077895
Score: 20.8970
Type of gen. func.: lgdogf

$$-\frac{(2 x - 1) (4 x^2 + 2 x - 1)}{(x - 1) (2 x^3 + 2 x^2 + 1)}$$

Sequence: A077895
Score: 8.30996
Type of gen. func.: ogf

$$-(4 f(x) - 1) (2 f(x) x^4 - 2 f(x) x^2 + f(x) x - f(x) + 1)$$

Sequence: A077896
Score: 13.9541
Type of gen. func.: lgdogf

$$-\frac{-8 x^3 + 6 x}{{}^{4} \qquad {}^{2}}$$

$$-2 x + 3 x - 1$$

Sequence: A077896
Score: 16.1777
Type of gen. func.: lgdogf

$$-a(n + 4) + 3 a(n + 2) - 2 a(n), a(0) = 0, a(1) = 6, a(2) = 0, a(3) = 10$$

Sequence: A077896
Score: 21.1197
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (x + 1) (2 x^{2} - 1)}$$

Sequence: A077896
Score: 9.41482
Type of gen. func.: ogf

$$(31 f(x) + 50) (2 f(x) x^{4} - 3 f(x) x^{2} + f(x) - 1)$$

Sequence: A077897
Score: 11.5696
Type of gen. func.: lgdogf

$$-\frac{-4 x^{3} - 3 x^{2} + 6 x}{-x^{4} - x^{3} + 3 x^{2} - 1}$$

Sequence: A077897
Score: 18.5113
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (x^{3} + 2 x^{2} - x - 1)}$$

Sequence: A077897
Score: 22.7583
Type of gen. func.: lgdogf

$$-\frac{x\,(4\,x^2+3\,x-6)}{(x-1)\,(x^3+2\,x^2-x-1)}$$

Sequence: A077897
Score: 8.16674
Type of gen. func.: ogf

$$(195\,f(x)+22)\,(f(x)\,x^4+f(x)\,x^3-3\,f(x)\,x^2+f(x)-1)$$

Sequence: A077898
Score: 19.7322
Type of gen. func.: lgdogf

$$\frac{6\,x}{-2\,x^2+x+1}$$

Sequence: A077898
Score: 21.3321
Type of gen. func.: ogf

$$\frac{1}{(2\,x+1)\,(x-1)^2}$$

Sequence: A077898
Score: 46.4171
Type of gen. func.: lgdogf

$$-\frac{6\,x}{(2\,x+1)\,(x-1)}$$

Sequence: A077898
Score: 8.48697

Type of gen. func.: ogf

$$\{a(n + 3) - 3\ a(n + 1) + 2\ a(n),\ a(0) = 1,\ a(1) = 0,\ a(2) = 3\}$$

Sequence: A077898
Score: 8.8684
Type of gen. func.: ogf

$$-(313\ f(x) + 416)\ (2\ f(x)\ x^{3} - 3\ f(x)\ x^{2} + f(x) - 1)$$

Sequence: A077899
Score: 11.0688
Type of gen. func.: lgdogf

$$-\frac{-4\ x^{3} + 9\ x^{2} - 6\ x}{-x^{4} + 3\ x^{3} - 3\ x^{2} + 1}$$

Sequence: A077899
Score: 17.7102
Type of gen. func.: ogf

$$-\frac{1}{(x - 1)\ (x^{3} - 2\ x^{2} + x + 1)}$$

Sequence: A077899
Score: 22.1789
Type of gen. func.: lgdogf

$$-\frac{x\ (4\ x^{2} - 9\ x + 6)}{(x - 1)\ (x^{3} - 2\ x^{2} + x + 1)}$$

Sequence: A077899
Score: 8.05008
Type of gen. func.: ogf

4 3 2

$$(f(x) + 2) (f(x) x - 3 f(x) x + 3 f(x) x - f(x) + 1)$$

Sequence: A077900
Score: 10.3533
Type of gen. func.: ogf

$$2 f(x) x^4 - 4 f(x) x^3 + 3 f(x) x^2 - f(x) + 1$$

Sequence: A077900
Score: 10.9206
Type of gen. func.: lgdogf

$$- \frac{-8 x^3 + 12 x^2 - 6 x}{-2 x^4 + 4 x^3 - 3 x^2 + 1}$$

Sequence: A077900
Score: 17.7156
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (2 x^3 - 2 x^2 + x + 1)}$$

Sequence: A077900
Score: 19.9801
Type of gen. func.: lgdogf

$$- \frac{2 x (4 x^2 - 6 x + 3)}{(x - 1) (2 x^3 - 2 x^2 + x + 1)}$$

Sequence: A077901
Score: 12.1332
Type of gen. func.: lgdogf

$$- \frac{-8 x^3 + 3 x^2 + 4 x}{{}^{4} \quad {}^{3} \quad {}^{2}}$$

$$-2 x + x + 2 x - 1$$

Sequence: A077901
Score: 19.4130
Type of gen. func.: ogf

$$\frac{1}{(x-1)\left(2 x^{3}+x^{2}-x-1\right)}$$

Sequence: A077901
Score: 8.64938
Type of gen. func.: ogf

$$(31 f(x)+32)\left(2 f(x) x^{4}-f(x) x^{3}-2 f(x) x^{2}+f(x)-1\right)$$

Sequence: A077902
Score: 11.7211
Type of gen. func.: lgdogf

$$-\frac{4 x^{3}-6 x^{2}+4 x}{x^{4}-2 x^{3}+2 x^{2}-1}$$

Sequence: A077902
Score: 20.5834
Type of gen. func.: ogf

$$-\frac{1}{(x-1)\left(x^{3}-x^{2}+x+1\right)}$$

Sequence: A077902
Score: 23.6443
Type of gen. func.: lgdogf

$$-\frac{2 x\left(2 x^{2}-3 x+2\right)}{(x-1)\left(x^{3}-x^{2}+x+1\right)}$$

Sequence: A077902
Score: 8.1934
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - f(x) + 1)$$

Sequence: A077903
Score: 10.8636
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 9 x^2 + 4 x}{2 x^4 - 3 x^3 + 2 x^2 - 1}$$

Sequence: A077903
Score: 17.3817
Type of gen. func.: ogf

$$-\frac{1}{(2 x + 1) (x - 1) (x^2 - x + 1)}$$

Sequence: A077903
Score: 7.4493
Type of gen. func.: ogf

$$-(65 f(x) - 96) (2 f(x) x^4 - 3 f(x) x^3 + 2 f(x) x^2 - f(x) + 1)$$

Sequence: A077904
Score: 16.5270
Type of gen. func.: lgdogf

$$-\frac{8 x^2 + 2 x}{2 x^3 - x - 1}$$

Sequence: A077904
Score: 19.0979
Type of gen. func.: ogf

$$\frac{1}{(2 x^{2} + 2 x + 1) (x - 1)^{2}}$$

Sequence: A077904
Score: 29.1550
Type of gen. func.: lgdogf

$$- \frac{2 x (4 x + 1)}{(x - 1) (2 x^{2} + 2 x + 1)}$$

Sequence: A077904
Score: 4.77448
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (n + 3) a(n + 3) - 2 a(n + 2) + (-10 - 2 n) a(n + 1),$$

$$a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 2\}$$

Sequence: A077904
Score: 8.68087
Type of gen. func.: ogf

$$(f(x) + 1) (2 f(x) x^{4} - 2 f(x) x^{3} - f(x) x^{2} + f(x) - 1)$$

Sequence: A077905
Score: 12.6435
Type of gen. func.: lgdogf

$$- \frac{-4 x^{3} + 3 x^{2} + 2 x}{-x^{4} + x^{3} + x^{2} - 1}$$

Sequence: A077905

Score: 22.2033
Type of gen. func.: ogf

$$\frac{1}{(x - 1)(x^{3} - x - 1)}$$

Sequence: A077905
Score: 31.4351
Type of gen. func.: lgdogf

$$-\frac{x(4x^{2} - 3x - 2)}{(x - 1)(x^{3} - x - 1)}$$

Sequence: A077905
Score: 9.0132
Type of gen. func.: ogf

$$(11 f(x) + 10)(f(x) x^{4} - f(x) x^{3} - f(x) x^{2} + f(x) - 1)$$

Sequence: A077906
Score: 11.5278
Type of gen. func.: lgdogf

$$-\frac{-8x^{3} + 6x^{2} - 2x}{-2x^{4} + 2x^{3} - x^{2} + 1}$$

Sequence: A077906
Score: 18.4444
Type of gen. func.: ogf

$$-\frac{1}{(x - 1)(2x^{3} + x + 1)}$$

Sequence: A077906
Score: 24.6950

Type of gen. func.: lgdogf

$$-\frac{2 x (4 x^2 - 3 x + 1)}{(x - 1) (2 x^3 + x + 1)}$$

Sequence: A077906
Score: 8.73682
Type of gen. func.: ogf

$$-f(x) (2 f(x) x^4 - 2 f(x) x^3 + f(x) x^2 - f(x) + 1)$$

Sequence: A077907
Score: 13.7284
Type of gen. func.: lgdogf

$$-\frac{-8 x^3 + 9 x^2}{-2 x^4 + 3 x^3 - 1}$$

Sequence: A077907
Score: 16.3682
Type of gen. func.: lgdogf

$-a(n + 4) + 3 a(n + 1) - 2 a(n), a(0) = 0, a(1) = 0, a(2) = 9, a(3) = -8$

Sequence: A077907
Score: 22.2622
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (2 x^3 - x^2 - x - 1)}$$

Sequence: A077907
Score: 9.46785
Type of gen. func.: ogf

4   3

$$(3385 f(x) + 3176) (2 f(x) x - 3 f(x) x + f(x) - 1)$$

Sequence: A077908
Score: 10.1526
Type of gen. func.: ogf

$$(177 f(x) + 79) (f(x) x^{4} - 2 f(x) x^{3} + f(x) - 1)$$

Sequence: A077908
Score: 14.2137
Type of gen. func.: lgdogf

$$- \frac{-4 x^{3} + 6 x^{2}}{-x^{4} + 2 x^{3} - 1}$$

Sequence: A077908
Score: 23.0492
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (x^{3} - x^{2} - x - 1)}$$

Sequence: A077908
Score: 27.3841
Type of gen. func.: lgdogf

$$- \frac{2 x^{2} (2 x - 3)}{(x - 1) (x^{3} - x^{2} - x - 1)}$$

Sequence: A077909
Score: 14.2856
Type of gen. func.: lgdogf

$$- \frac{-8 x^{3} + 3 x^{2}}{{}^{4} \quad {}^{3}}$$

$$-2 x + x + 1$$

Sequence: A077909
Score: 23.1659
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (2 x^3 + x^2 + x + 1)}$$

Sequence: A077909
Score: 26.9611
Type of gen. func.: lgdogf

$$-\frac{x^2 (-3 + 8 x)}{(x - 1) (2 x^3 + x^2 + x + 1)}$$

Sequence: A077909
Score: 9.63076
Type of gen. func.: ogf

$$-(105 f(x) - 104) (2 f(x) x^4 - f(x) x^3 - f(x) + 1)$$

Sequence: A077910
Score: 11.1914
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 12 x^2 + 2 x}{2 x^4 - 4 x^3 + x^2 + 1}$$

Sequence: A077910
Score: 18.1550
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (2 x^3 - 2 x^2 - x - 1)}$$

Sequence: A077910
Score: 20.5857
Type of gen. func.: lgdogf

$$-\frac{2 x (4 x^2 - 6 x + 1)}{(x - 1) (2 x^3 - 2 x^2 - x - 1)}$$

Sequence: A077910
Score: 8.08885
Type of gen. func.: ogf

$$(38 f(x) + 13) (2 f(x) x^4 - 4 f(x) x^3 + f(x) x^2 + f(x) - 1)$$

Sequence: A077911
Score: 11.6802
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 9 x^2 + 2 x}{x^4 - 3 x^3 + x^2 + 1}$$

Sequence: A077911
Score: 20.5116
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (x^3 - 2 x^2 - x - 1)}$$

Sequence: A077911
Score: 23.0969
Type of gen. func.: lgdogf

$$-\frac{x (-1 + 4 x) (x - 2)}{(x - 1) (x^3 - 2 x^2 - x - 1)}$$

Sequence: A077911
Score: 8.24486
Type of gen. func.: ogf

$$(299 f(x) + 30) (f(x) x^4 - 3 f(x) x^3 + f(x) x^2 + f(x) - 1)$$

Sequence: A077912
Score: 14.3565
Type of gen. func.: ogf

$$2 f(x) x^3 - f(x) x^2 - f(x) + 1$$

Sequence: A077912
Score: 15.1256
Type of gen. func.: lgdogf

$$- \frac{6 x^2 - 2 x}{2 x^3 - x^2 - 1}$$

Sequence: A077912
Score: 22.8928
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (2 x^2 + x + 1)}$$

Sequence: A077912
Score: 30.8012
Type of gen. func.: lgdogf

$$- \frac{2 x (3 x - 1)}{(x - 1) (2 x^2 + x + 1)}$$

Sequence: A077912
Score: 9.10788
Type of gen. func.: ogf

$$\{a(n + 3) + a(n + 1) - 2 a(n), a(0) = 1, a(1) = 0, a(2) = -1\}$$

Sequence: A077913
Score: 12.1830
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 - 3 x^2 + 2 x}{-x^4 - x^3 + x^2 + 1}$$

Sequence: A077913
Score: 19.4928
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (x^3 + 2 x^2 + x + 1)}$$

Sequence: A077913
Score: 24.5180
Type of gen. func.: lgdogf

$$-\frac{x (4 x^2 + 3 x - 2)}{(x - 1) (x^3 + 2 x^2 + x + 1)}$$

Sequence: A077913
Score: 8.35406
Type of gen. func.: ogf

$$-(31 f(x) - 10) (f(x) x^4 + f(x) x^3 - f(x) x^2 - f(x) + 1)$$

Sequence: A077915
Score: 12.1799
Type of gen. func.: lgdogf

$$-\frac{8x^3 - 8x + 1}{2x^4 - 4x^2 + x + 1}$$

Sequence: A077915
Score: 19.0126
Type of gen. func.: ogf

$$\frac{1}{(x - 1)(2x^3 + 2x^2 - 2x - 1)}$$

Sequence: A077915
Score: 20.4322
Type of gen. func.: lgdogf

$$-\frac{8x^3 - 8x + 1}{(x - 1)(2x^3 + 2x^2 - 2x - 1)}$$

Sequence: A077915
Score: 7.49534
Type of gen. func.: ogf

$$-(11 f(x) + 1)(2 f(x) x^4 - 4 f(x) x^2 + f(x) x + f(x) - 1)$$

Sequence: A077916
Score: 11.9042
Type of gen. func.: lgdogf

$$-\frac{4x^2 + 7x - 1}{x^3 + 2x^2 - 2x - 1}$$

Sequence: A077916
Score: 16.9304
Type of gen. func.: ogf

$$\frac{1}{(x^2 + 3 x + 1) (x - 1)^2}$$

Sequence: A077916
Score: 24.2207
Type of gen. func.: lgdogf

$$- \frac{4 x^2 + 7 x - 1}{(x - 1) (x^2 + 3 x + 1)}$$

Sequence: A077916
Score: 3.84782
Type of gen. func.: ogf

{(-n - 4) a(n + 4) + (-7 - 2 n) a(n + 3) + (11 + 2 n) a(n + 2)

+ (5 + n) a(n + 1), a(0) = 1, a(1) = -1, a(2) = 5, a(3) = -10}

Sequence: A077916
Score: 6.40225
Type of gen. func.: ogf

$$(103 f(x) + 6) (f(x) x^4 + f(x) x^3 - 4 f(x) x^2 + f(x) x + f(x) - 1)$$

Sequence: A077917
Score: 12.2762
Type of gen. func.: lgdogf

$$- \frac{6 x^2 - 8 x + 1}{2 x^3 - 4 x^2 + x + 1}$$

Sequence: A077917
Score: 19.1629
Type of gen. func.: ogf

1

$$\overline{(x-1)(2x^2-2x-1)}$$

Sequence: A077917
Score: 24.2085
Type of gen. func.: lgdogf

$$-\frac{6x^2-8x+1}{(x-1)(2x^2-2x-1)}$$

Sequence: A077917
Score: 7.01497
Type of gen. func.: ogf

$$\{-a(n+3)-a(n+2)+4a(n+1)-2a(n), a(0)=1, a(1)=-1, a(2)=5\}$$

Sequence: A077917
Score: 7.48263
Type of gen. func.: ogf

$$-(24f(x)+11)(2f(x)x^3-4f(x)x^2+f(x)x+f(x)-1)$$

Sequence: A077918
Score: 10.1186
Type of gen. func.: lgdogf

$$-\frac{4x^3-9x^2+8x-1}{x^4-3x^3+4x^2-x-1}$$

Sequence: A077918
Score: 16.5201
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(x^3-2x^2+2x+1)}$$

Sequence: A077918
Score: 18.8200
Type of gen. func.: lgdogf

$$-\frac{4 x^{3} - 9 x^{2} + 8 x - 1}{(x - 1) (x^{3} - 2 x^{2} + 2 x + 1)}$$

Sequence: A077918
Score: 6.80239
Type of gen. func.: ogf

$$(25 f(x) + 38) (f(x) x^{4} - 3 f(x) x^{3} + 4 f(x) x^{2} - f(x) x - f(x) + 1)$$

Sequence: A077919
Score: 16.6962
Type of gen. func.: lgdogf

$$-\frac{8 x^{3} - 12 x^{2} + 8 x - 1}{(x - 1) (2 x^{3} - 2 x^{2} + 2 x + 1)}$$

Sequence: A077919
Score: 17.0610
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (2 x^{3} - 2 x^{2} + 2 x + 1)}$$

Sequence: A077919
Score: 6.34499
Type of gen. func.: ogf

$$-(8 f(x) - 9) (2 f(x) x^{4} - 4 f(x) x^{3} + 4 f(x) x^{2} - f(x) x - f(x) + 1)$$

Sequence: A077919
Score: 9.47832
Type of gen. func.: lgdogf

$$-\frac{8x^3-12x^2+8x-1}{2x^4-4x^3+4x^2-x-1}$$

Sequence: A077920
Score: 12.7295
Type of gen. func.: lgdogf

$$-\frac{4x^3-6x+1}{x^4-3x^2+x+1}$$

Sequence: A077920
Score: 22.0186
Type of gen. func.: ogf

$$\frac{1}{(x-1)(x^3+x^2-2x-1)}$$

Sequence: A077920
Score: 23.7957
Type of gen. func.: lgdogf

$$-\frac{4x^3-6x+1}{(x-1)(x^3+x^2-2x-1)}$$

Sequence: A077920
Score: 7.83352
Type of gen. func.: ogf

$$-(25f(x)+2)(f(x)x^4-3f(x)x^2+f(x)x+f(x)-1)$$

Sequence: A077921
Score: 11.8580
Type of gen. func.: lgdogf

$$-\frac{-3 x^2 + 6 x - 1}{-x^3 + 3 x^2 - x - 1}$$

Sequence: A077921
Score: 18.5100
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (x^2 - 2 x - 1)}$$

Sequence: A077921
Score: 6.77600
Type of gen. func.: ogf

{-a(n + 3) - a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = -1, a(2) = 4}

Sequence: A077921
Score: 7.15954
Type of gen. func.: ogf

$$-(119 f(x) + 25) (f(x) x^3 - 3 f(x) x^2 + f(x) x + f(x) - 1)$$

Sequence: A077922
Score: 17.6278
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (x^3 - x^2 + 2 x + 1)}$$

Sequence: A077922
Score: 19.3262
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 6 x^2 + 6 x - 1}{(x - 1) (x^3 - x^2 + 2 x + 1)}$$

Sequence: A077922
Score: 6.50206
Type of gen. func.: ogf

$$-(23 f(x) + 2) (f(x) x^4 - 2 f(x) x^3 + 3 f(x) x^2 - f(x) x - f(x) + 1)$$

Sequence: A077922
Score: 9.91565
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 6 x^2 + 6 x - 1}{x^4 - 2 x^3 + 3 x^2 - x - 1}$$

Sequence: A077923
Score: 17.0816
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (2 x^3 - x^2 + 2 x + 1)}$$

Sequence: A077923
Score: 17.9130
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 9 x^2 + 6 x - 1}{(x - 1) (2 x^3 - x^2 + 2 x + 1)}$$

Sequence: A077923
Score: 6.40559
Type of gen. func.: ogf

$$(235 f(x) - 64) (2 f(x) x^4 - 3 f(x) x^3 + 3 f(x) x^2 - f(x) x - f(x) + 1)$$

Sequence: A077923
Score: 9.60839
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 9 x^2 + 6 x - 1}{2 x^4 - 3 x^3 + 3 x^2 - x - 1}$$

Sequence: A077924
Score: 10.2319
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 6 x^2 - 4 x + 1}{2 x^4 - 2 x^3 - 2 x^2 + x + 1}$$

Sequence: A077924
Score: 18.1900
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (2 x^3 - 2 x - 1)}$$

Sequence: A077924
Score: 21.9588
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 6 x^2 - 4 x + 1}{(x - 1) (2 x^3 - 2 x - 1)}$$

Sequence: A077924
Score: 6.87857
Type of gen. func.: ogf

$$(29 f(x) + 18) (2 f(x) x^4 - 2 f(x) x^3 - 2 f(x) x^2 + f(x) x + f(x) - 1)$$

Sequence: A077925
Score: 16.0155
Type of gen. func.: lgdogf

$$- \frac{-1 + 4 x}{2 x^2 - x - 1}$$

Sequence: A077925
Score: 26.2771
Type of gen. func.: revogf

$$\frac{x - 1 + (9 x^2 - 2 x + 1)^{1/2}}{4 x}$$

Sequence: A077925
Score: 26.5085
Type of gen. func.: ogf

$$- \frac{1}{(2 x + 1) (x - 1)}$$

Sequence: A077925
Score: 35.4169
Type of gen. func.: lgdogf

$$- \frac{-1 + 4 x}{(2 x + 1) (x - 1)}$$

Sequence: A077925
Score: 8.83617
Type of gen. func.: ogf

$$-(11 f(x) - 10) (2 f(x) x^2 - f(x) x - f(x) + 1)$$

Sequence: A077925
Score: 9.37495
Type of gen. func.: ogf

{a(n + 2) + a(n + 1) - 2 a(n), a(0) = 1, a(1) = -1}

Sequence: A077926
Score: 10.5791
Type of gen. func.: lgdogf

$$-\frac{4x^3 - 3x^2 + 4x - 1}{x^4 - x^3 + 2x^2 - x - 1}$$

Sequence: A077926
Score: 17.2720
Type of gen. func.: ogf

$$-\frac{1}{(x - 1)(x^3 + 2x + 1)}$$

Sequence: A077926
Score: 22.8761
Type of gen. func.: lgdogf

$$-\frac{4x^3 - 3x^2 + 4x - 1}{(x - 1)(x^3 + 2x + 1)}$$

Sequence: A077926
Score: 7.17226
Type of gen. func.: ogf

$$(13 f(x) - 6)(f(x) x^4 - f(x) x^3 + 2 f(x) x^2 - f(x) x - f(x) + 1)$$

Sequence: A077927

Score: 16.1263
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(2x^3+2x+1)}$$

Sequence: A077927
Score: 20.2873
Type of gen. func.: lgdogf

$$-\frac{8x^3-6x^2+4x-1}{(x-1)(2x^3+2x+1)}$$

Sequence: A077927
Score: 6.53048
Type of gen. func.: ogf

$$-(3f(x)-2)(2f(x)x^4-2f(x)x^3+2f(x)x^2-f(x)x-f(x)+1)$$

Sequence: A077927
Score: 9.87736
Type of gen. func.: lgdogf

$$-\frac{8x^3-6x^2+4x-1}{2x^4-2x^3+2x^2-x-1}$$

Sequence: A077928
Score: 10.4211
Type of gen. func.: lgdogf

$$-\frac{8x^3-9x^2-2x+1}{2x^4-3x^3-x^2+x+1}$$

Sequence: A077928

Score: 18.5264
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (2 x^3 - x^2 - 2 x - 1)}$$

Sequence: A077928
Score: 20.1212
Type of gen. func.: lgdogf

$$- \frac{8 x^3 - 9 x^2 - 2 x + 1}{(x - 1) (2 x^3 - x^2 - 2 x - 1)}$$

Sequence: A077928
Score: 6.77794
Type of gen. func.: ogf

$$(2803 f(x) + 1088) (2 f(x) x^4 - 3 f(x) x^3 - f(x) x^2 + f(x) x + f(x) - 1)$$

Sequence: A077929
Score: 10.4683
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 6 x^2 - 2 x + 1}{x^4 - 2 x^3 - x^2 + x + 1}$$

Sequence: A077929
Score: 17.0911
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (x^3 - x^2 - 2 x - 1)}$$

Sequence: A077929
Score: 20.5906

Type of gen. func.: lgdogf

$$-\frac{(2 x + 1) (2 x^2 - 4 x + 1)}{(x - 1) (x^3 - x^2 - 2 x - 1)}$$

Sequence: A077929
Score: 6.97888
Type of gen. func.: ogf

$$(241 f(x) + 42) (f(x) x^4 - 2 f(x) x^3 - f(x) x^2 + f(x) x + f(x) - 1)$$

Sequence: A077930
Score: 12.7316
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 - 2 x + 1}{-x^4 - x^2 + x + 1}$$

Sequence: A077930
Score: 19.8737
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (x^3 + x^2 + 2 x + 1)}$$

Sequence: A077930
Score: 23.4969
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 2 x - 1}{(x - 1) (x^3 + x^2 + 2 x + 1)}$$

Sequence: A077930
Score: 8.57705

Type of gen. func.: ogf

$$-f(x) (f(x) x^4 + f(x) x^2 - f(x) x - f(x) + 1)$$

Sequence: A077931
Score: 10.0439
Type of gen. func.: lgdogf

$$- \frac{-8 x^3 + 3 x^2 - 2 x + 1}{-2 x^4 + x^3 - x^2 + x + 1}$$

Sequence: A077931
Score: 17.8558
Type of gen. func.: ogf

$$- \frac{1}{(2 x + 1) (x - 1) (x^2 + 1)}$$

Sequence: A077931
Score: 19.7611
Type of gen. func.: lgdogf

$$- \frac{8 x^3 - 3 x^2 + 2 x - 1}{(x - 1) (2 x + 1) (x^2 + 1)}$$

Sequence: A077931
Score: 7.37164
Type of gen. func.: ogf

$$f(x) (2 f(x) x^4 - f(x) x^3 + f(x) x^2 - f(x) x - f(x) + 1)$$

Sequence: A077932
Score: 11.9841
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 12 x^2 + 1}{2 x^4 - 4 x^3 + x + 1}$$

Sequence: A077932
Score: 20.4059
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 12 x^2 + 1}{(x - 1) (2 x^3 - 2 x^2 - 2 x - 1)}$$

Sequence: A077932
Score: 22.3487
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (2 x^3 - 2 x^2 - 2 x - 1)}$$

Sequence: A077932
Score: 7.80095
Type of gen. func.: ogf

$$-(148 f(x) + 31) (2 f(x) x^4 - 4 f(x) x^3 + f(x) x + f(x) - 1)$$

Sequence: A077933
Score: 12.2059
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 9 x^2 + 1}{x^4 - 3 x^3 + x + 1}$$

Sequence: A077933
Score: 22.2255
Type of gen. func.: lgdogf

$$-\frac{4x^3-9x^2+1}{(x-1)(x^3-2x^2-2x-1)}$$

Sequence: A077933
Score: 22.4324
Type of gen. func.: ogf

$$\frac{1}{(x-1)(x^3-2x^2-2x-1)}$$

Sequence: A077933
Score: 7.68517
Type of gen. func.: ogf

$$-(1685 f(x)+106)(f(x)x^4-3f(x)x^3+f(x)x+f(x)-1)$$

Sequence: A077934
Score: 3.30866
Type of gen. func.: ogf

$$-\frac{2x^5+x^3+x^2+x+1}{(2x^2-1)(2x^2+1)(x^4+1)}$$

Sequence: A077935
Score: 5.19043
Type of gen. func.: lgdogf

$$-\frac{2(3x^2+2x+1)}{2x^3+2x^2+2x-1}$$

Sequence: A077935
Score: 5.34292
Type of gen. func.: ogf

$$-\frac{1}{2x^3+2x^2+2x-1}$$

Sequence: A077936
Score: 11.9960
Type of gen. func.: lgdogf

$$-\frac{-3x^2-4x-2}{-x^3-2x^2-2x+1}$$

Sequence: A077936
Score: 20.7498
Type of gen. func.: ogf

$$-\frac{1}{x^3+2x^2+2x-1}$$

Sequence: A077936
Score: 23.5711
Type of gen. func.: lgdogf

$$-\frac{3x^2+4x+2}{x^3+2x^2+2x-1}$$

Sequence: A077936
Score: 6.85486
Type of gen. func.: ogf

$$\{a(n+3)-2a(n+2)-2a(n+1)-a(n),\ a(0)=1,\ a(1)=2,\ a(2)=6\}$$

Sequence: A077936
Score: 7.67743
Type of gen. func.: ogf

$$(17f(x)-9)(f(x)x^3+2f(x)x^2+2f(x)x-f(x)+1)$$

Sequence: A077937
Score: 11.6916
Type of gen. func.: lgdogf

$$-\frac{-6 x^2 + 4 x + 2}{-2 x^3 + 2 x^2 + 2 x - 1}$$

Sequence: A077937
Score: 19.8557
Type of gen. func.: lgdogf

$$-\frac{2 (3 x + 1) (x - 1)}{2 x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A077937
Score: 20.2234
Type of gen. func.: ogf

$$\frac{1}{2 x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A077937
Score: 6.68093
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A077937
Score: 7.48263
Type of gen. func.: ogf

$$(11 f(x) + 5) (2 f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + f(x) - 1)$$

Sequence: A077938
Score: 12.1699
Type of gen. func.: lgdogf

$$-\frac{6 x^2 + 2 x + 2}{2 x^3 + x^2 + 2 x - 1}$$

Sequence: A077938
Score: 21.0507
Type of gen. func.: ogf

$$-\frac{1}{2 x^3 + x^2 + 2 x - 1}$$

Sequence: A077938
Score: 23.9147
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^2 + x + 1)}{2 x^3 + x^2 + 2 x - 1}$$

Sequence: A077938
Score: 6.95424
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) - a(n + 1) - 2 a(n), a(0) = 1, a(1) = 2, a(2) = 5}

Sequence: A077938
Score: 7.41785
Type of gen. func.: ogf

$$-(53 f(x) - 20) (2 f(x) x^3 + f(x) x^2 + 2 f(x) x - f(x) + 1)$$

Sequence: A077939
Score: 11.7979
Type of gen. func.: lgdogf

$$-\frac{-3 x^{2} - 2 x - 2}{-x^{3} - x^{2} - 2 x + 1}$$

Sequence: A077939
Score: 20.4072
Type of gen. func.: ogf

$$-\frac{1}{x^{3} + x^{2} + 2 x - 1}$$

Sequence: A077939
Score: 24.7154
Type of gen. func.: lgdogf

$$-\frac{3 x^{2} + 2 x + 2}{x^{3} + x^{2} + 2 x - 1}$$

Sequence: A077939
Score: 6.74166
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A077939
Score: 7.62693
Type of gen. func.: ogf

$$(6 f(x) - 1) (f(x) x^{3} + f(x) x^{2} + 2 f(x) x - f(x) + 1)$$

Sequence: A077940
Score: 15.8851
Type of gen. func.: lgdogf

$$-\frac{6 x^{2} - 2}{}$$

$$2 x^3 - 2 x + 1$$

Sequence: A077940
Score: 28.4836
Type of gen. func.: ogf

$$\frac{1}{2 x^3 - 2 x + 1}$$

Sequence: A077940
Score: 32.8084
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^2 - 1)}{2 x^3 - 2 x + 1}$$

Sequence: A077940
Score: 8.78750
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - 2 a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A077940
Score: 9.71794
Type of gen. func.: ogf

$$-(f(x) - 1) (2 f(x) x^3 - 2 f(x) x + f(x) - 1)$$

Sequence: A077941
Score: 13.0673
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 2 x - 2}{x^3 + x^2 - 2 x + 1}$$

Sequence: A077941
Score: 20.3977
Type of gen. func.: ogf

$$\frac{1}{x^3 + x^2 - 2x + 1}$$

Sequence: A077941
Score: 28.9307
Type of gen. func.: lgdogf

$$-\frac{3x^2 + 2x - 2}{x^3 + x^2 - 2x + 1}$$

Sequence: A077941
Score: 7.46702
Type of gen. func.: ogf

$$\{-a(n+3) + 2a(n+2) - a(n+1) - a(n), a(0) = 1, a(1) = 2, a(2) = 3\}$$

Sequence: A077941
Score: 8.11947
Type of gen. func.: ogf

$$-(4f(x) - 1)(f(x)x^3 + f(x)x^2 - 2f(x)x + f(x) - 1)$$

Sequence: A077942
Score: 12.7652
Type of gen. func.: lgdogf

$$-\frac{6x^2 + 2x - 2}{2x^3 + x^2 - 2x + 1}$$

Sequence: A077942

Score: 19.9262
Type of gen. func.: ogf

$$\frac{1}{2x^3+x^2-2x+1}$$

Sequence: A077942
Score: 26.4220
Type of gen. func.: lgdogf

$$-\frac{2\,(3x^2+x-1)}{2x^3+x^2-2x+1}$$

Sequence: A077942
Score: 7.29441
Type of gen. func.: ogf

$$\{-a(n+3)+2\,a(n+2)-a(n+1)-2\,a(n),\ a(0)=1,\ a(1)=2,\ a(2)=3\}$$

Sequence: A077942
Score: 7.7073
Type of gen. func.: ogf

$$-(109\,f(x)-44)\,(2\,f(x)\,x^3+f(x)\,x^2-2\,f(x)\,x+f(x)-1)$$

Sequence: A077943
Score: 13.1402
Type of gen. func.: lgdogf

$$-\frac{-6x^2+4x-2}{-2x^3+2x^2-2x+1}$$

Sequence: A077943
Score: 21.7375
Type of gen. func.: lgdogf

$$-\frac{2(3x^2-2x+1)}{2x^3-2x^2+2x-1}$$

Sequence: A077943
Score: 22.7291
Type of gen. func.: ogf

$$-\frac{1}{2x^3-2x^2+2x-1}$$

Sequence: A077943
Score: 7.50871
Type of gen. func.: ogf

$$\{a(n+3)-2a(n+2)+2a(n+1)-2a(n),\ a(0)=1,\ a(1)=2,\ a(2)=2\}$$

Sequence: A077943
Score: 8.16481
Type of gen. func.: ogf

$$-(f(x)-1)(2f(x)x^3-2f(x)x^2+2f(x)x-f(x)+1)$$

Sequence: A077944
Score: 12.7652
Type of gen. func.: lgdogf

$$-\frac{-3x^2-4x+2}{-x^3-2x^2+2x-1}$$

Sequence: A077944
Score: 19.9262
Type of gen. func.: ogf

$$\frac{1}{x^3+2x^2-2x+1}$$

Sequence: A077944
Score: 26.5331
Type of gen. func.: lgdogf

$$-\frac{3x^2+4x-2}{x^3+2x^2-2x+1}$$

Sequence: A077944
Score: 7.29441
Type of gen. func.: ogf

$$\{-a(n+3)+2a(n+2)-2a(n+1)-a(n), a(0)=1, a(1)=2, a(2)=2\}$$

Sequence: A077944
Score: 7.85552
Type of gen. func.: ogf

$$-(17 f(x)-2)(f(x) x^3+2 f(x) x^2-2 f(x) x+f(x)-1)$$

Sequence: A077945
Score: 13.0896
Type of gen. func.: lgdogf

$$-\frac{-6x^2-4x+2}{-2x^3-2x^2+2x-1}$$

Sequence: A077945
Score: 20.4325
Type of gen. func.: ogf

$$\frac{1}{2x^3+2x^2-2x+1}$$

Sequence: A077945
Score: 24.7749
Type of gen. func.: lgdogf

$$-\frac{2 (x + 1) (3 x - 1)}{2 x^3 + 2 x^2 - 2 x + 1}$$

Sequence: A077945
Score: 7.47976
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - 2 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 2, a(2) = 2\}$$

Sequence: A077945
Score: 8.05512
Type of gen. func.: ogf

$$-(21 f(x) - 5) (2 f(x) x^3 + 2 f(x) x^2 - 2 f(x) x + f(x) - 1)$$

Sequence: A077946
Score: 12.7841
Type of gen. func.: lgdogf

$$-\frac{-6 x^2 - 4 x - 1}{-2 x^3 - 2 x^2 - x + 1}$$

Sequence: A077946
Score: 22.1131
Type of gen. func.: ogf

$$-\frac{1}{2 x^3 + 2 x^2 + x - 1}$$

Sequence: A077946
Score: 25.1312
Type of gen. func.: lgdogf

$$-\frac{6x^2+4x+1}{2x^3+2x^2+x-1}$$

Sequence: A077946
Score: 7.30521
Type of gen. func.: ogf

$$\{a(n+3)-a(n+2)-2a(n+1)-2a(n), a(0)=1, a(1)=1, a(2)=3\}$$

Sequence: A077946
Score: 7.94352
Type of gen. func.: ogf

$$-(3f(x)-2)(2f(x)x^3+2f(x)x^2+f(x)x-f(x)+1)$$

Sequence: A077947
Score: 12.5548
Type of gen. func.: lgdogf

$$-\frac{6x^2+2x+1}{2x^3+x^2+x-1}$$

Sequence: A077947
Score: 21.7165
Type of gen. func.: ogf

$$-\frac{1}{(2x-1)(x^2+x+1)}$$

Sequence: A077947
Score: 24.6652
Type of gen. func.: lgdogf

$$6x^2+2x+1$$

$$- \text{---------------------}$$

$$(2 x - 1) (x^2 + x + 1)$$

Sequence: A077947
Score: 7.17419
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) - 2 a(n), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A077947
Score: 8.11625
Type of gen. func.: ogf

$$(9 f(x) - 4) (2 f(x) x^3 + f(x) x^2 + f(x) x - f(x) + 1)$$

Sequence: A077948
Score: 13.7099
Type of gen. func.: lgdogf

$$- \frac{-6 x^2 + 2 x + 1}{-2 x^3 + x^2 + x - 1}$$

Sequence: A077948
Score: 21.4008
Type of gen. func.: ogf

$$\frac{1}{2 x^3 - x^2 - x + 1}$$

Sequence: A077948
Score: 29.9012
Type of gen. func.: lgdogf

$$- \frac{6 x^2 - 2 x - 1}{2 x^3 - x^2 - x + 1}$$

Sequence: A077948
Score: 7.83423
Type of gen. func.: ogf

$$\{a(n+3) - a(n+2) - a(n+1) + 2\,a(n),\ a(0) = 1,\ a(1) = 1,\ a(2) = 2\}$$

Sequence: A077948
Score: 8.51878
Type of gen. func.: ogf

$$-(f(x) - 4)\,(2\,f(x)\,x^3 - f(x)\,x^2 - f(x)\,x + f(x) - 1)$$

Sequence: A077949
Score: 15.7110
Type of gen. func.: lgdogf

$$-\frac{-6\,x^2 - 1}{-2\,x^3 - x + 1}$$

Sequence: A077949
Score: 28.1715
Type of gen. func.: ogf

$$-\frac{1}{2\,x^3 + x - 1}$$

Sequence: A077949
Score: 34.8835
Type of gen. func.: lgdogf

$$-\frac{6\,x^2 + 1}{2\,x^3 + x - 1}$$

Sequence: A077949

Score: 8.69121
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 2 a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A077949
Score: 9.61146
Type of gen. func.: ogf

$$-(f(x) - 1) (2 f(x) x^{3} + f(x) x - f(x) + 1)$$

Sequence: A077950
Score: 10.1916
Type of gen. func.: ogf

$$-(f(x) - 2) (2 f(x) x^{3} - f(x) x + f(x) - 1)$$

Sequence: A077950
Score: 16.6593
Type of gen. func.: lgdogf

$$-\frac{6 x^{2} - 1}{2 x^{3} - x + 1}$$

Sequence: A077950
Score: 26.2510
Type of gen. func.: ogf

$$\frac{1}{(x + 1) (2 x^{2} - 2 x + 1)}$$

Sequence: A077950
Score: 30.4286
Type of gen. func.: lgdogf

$$-\frac{6 x^{2} - 1}{}$$

$$(x + 1) (2 x^2 - 2 x + 1)$$

Sequence: A077950
Score: 9.21579
Type of gen. func.: ogf

{-a(n + 3) + a(n + 2) - 2 a(n), a(0) = 1, a(1) = 1, a(2) = 1}

Sequence: A077951
Score: 13.6921
Type of gen. func.: lgdogf

$$-\frac{6 x^2 - 2 x + 1}{2 x^3 - x^2 + x - 1}$$

Sequence: A077951
Score: 23.6836
Type of gen. func.: ogf

$$-\frac{1}{2 x^3 - x^2 + x - 1}$$

Sequence: A077951
Score: 27.8889
Type of gen. func.: lgdogf

$$-\frac{6 x^2 - 2 x + 1}{2 x^3 - x^2 + x - 1}$$

Sequence: A077951
Score: 7.89452
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) + a(n + 1) - 2 a(n), a(0) = 1, a(1) = 1, a(2) = 0}

Sequence: A077951
Score: 9.22414
Type of gen. func.: ogf

$$-f(x) (2 f(x) x^3 - f(x) x^2 + f(x) x - f(x) + 1)$$

Sequence: A077952
Score: 13.3993
Type of gen. func.: lgdogf

$$-\frac{6 x^2 + 2 x - 1}{2 x^3 + x^2 - x + 1}$$

Sequence: A077952
Score: 23.1771
Type of gen. func.: ogf

$$\frac{1}{2 x^3 + x^2 - x + 1}$$

Sequence: A077952
Score: 29.7256
Type of gen. func.: lgdogf

$$-\frac{6 x^2 + 2 x - 1}{2 x^3 + x^2 - x + 1}$$

Sequence: A077952
Score: 7.72571
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) - a(n + 1) - 2 a(n), a(0) = 1, a(1) = 1, a(2) = 0\}$$

Sequence: A077952
Score: 8.49063

Type of gen. func.: ogf

$$(41 f(x) - 32) (2 f(x) x^3 + f(x) x^2 - f(x) x + f(x) - 1)$$

Sequence: A077953
Score: 11.3504
Type of gen. func.: ogf

$$-2 f(x) x^3 + 2 f(x) x^2 - f(x) x + f(x) - 1$$

Sequence: A077953
Score: 13.6560
Type of gen. func.: lgdogf

$$- \frac{-6 x^2 + 4 x - 1}{-2 x^3 + 2 x^2 - x + 1}$$

Sequence: A077953
Score: 23.6212
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (2 x^2 + 1)}$$

Sequence: A077953
Score: 31.5712
Type of gen. func.: lgdogf

$$- \frac{6 x^2 - 4 x + 1}{(x - 1) (2 x^2 + 1)}$$

Sequence: A077953
Score: 7.80343
Type of gen. func.: ogf

```
   {a(n + 3) - a(n + 2) + 2 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 1, a(2) = -1}



------------------------------------------------------------------------------

Sequence:  A077954
Score: 13.2642
Type of gen. func.: lgdogf


                                     2
                                -3 x  + 4 x - 1
                              - -----------------
                                 3      2
                               -x  + 2 x  - x + 1



------------------------------------------------------------------------------

Sequence:  A077954
Score: 22.9435
Type of gen. func.: ogf


                                        1
                              - ----------------
                                3      2
                               x  - 2 x  + x - 1



------------------------------------------------------------------------------

Sequence:  A077954
Score: 31.1658
Type of gen. func.: lgdogf


                               (3 x - 1) (x - 1)
                              - ----------------
                                3      2
                               x  - 2 x  + x - 1



------------------------------------------------------------------------------

Sequence:  A077954
Score: 7.57954
Type of gen. func.: ogf


    {a(n + 3) - a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 1, a(2) = -1}



------------------------------------------------------------------------------

Sequence:  A077954
Score: 8.57484
Type of gen. func.: ogf


                                3            2
             (4 f(x) - 3) (f(x) x  - 2 f(x) x  + f(x) x - f(x) + 1)



------------------------------------------------------------------------------
```

Sequence: A077955
Score: 13.3155
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 4 x - 1}{x^3 + 2 x^2 - x + 1}$$

Sequence: A077955
Score: 20.7851
Type of gen. func.: ogf

$$\frac{1}{x^3 + 2 x^2 - x + 1}$$

Sequence: A077955
Score: 29.5397
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 4 x - 1}{x^3 + 2 x^2 - x + 1}$$

Sequence: A077955
Score: 7.60883
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) - 2 a(n + 1) - a(n), a(0) = 1, a(1) = 1, a(2) = -1\}$$

Sequence: A077955
Score: 8.27368
Type of gen. func.: ogf

$$-(6 f(x) - 1) (f(x) x^3 + 2 f(x) x^2 - f(x) x + f(x) - 1)$$

Sequence: A077956
Score: 12.5610
Type of gen. func.: lgdogf

$$-\frac{6x^2+4x-1}{2x^3+2x^2-x+1}$$

Sequence: A077956
Score: 19.6075
Type of gen. func.: ogf

$$\frac{1}{2x^3+2x^2-x+1}$$

Sequence: A077956
Score: 26.0143
Type of gen. func.: lgdogf

$$-\frac{6x^2+4x-1}{2x^3+2x^2-x+1}$$

Sequence: A077956
Score: 7.17774
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+2)-2a(n+1)-2a(n),\ a(0)=1,\ a(1)=1,\ a(2)=-1\}$$

Sequence: A077956
Score: 8.03907
Type of gen. func.: ogf

$$(23 f(x)-8)(2 f(x) x^3+2 f(x) x^2-f(x) x+f(x)-1)$$

Sequence: A077957
Score: 12.7067
Type of gen. func.: ogf

$$\{a(n+2)-2a(n),\ a(0)=1,\ a(1)=0\}$$

Sequence: A077957
Score: 19.525
Type of gen. func.: ogf

$$-2 f(x) x^2 + f(x) - 1$$

Sequence: A077957
Score: 22.2368
Type of gen. func.: lgdogf

$$\frac{4 x}{-2 x^2 + 1}$$

Sequence: A077957
Score: 29.9186
Type of gen. func.: revegf]

$$1/2 \, 2^{1/2} \operatorname{arcsinh}(2^{1/2} x)$$

Sequence: A077957
Score: 32.0210
Type of gen. func.: ogf

$$-\frac{1}{2 x^2 - 1}$$

Sequence: A077957
Score: 59.8371
Type of gen. func.: lgdogf

$$-\frac{4 x}{2 x^2 - 1}$$

Sequence: A077958

Score: 17.6745
Type of gen. func.: ogf

$$-2 f(x) x^3 + f(x) - 1$$

Sequence: A077958
Score: 20.1293
Type of gen. func.: lgdogf

$$\frac{6 x^2}{-2 x^3 + 1}$$

Sequence: A077958
Score: 28.9862
Type of gen. func.: ogf

$$- \frac{1}{2 x^3 - 1}$$

Sequence: A077958
Score: 53.4089
Type of gen. func.: lgdogf

$$- \frac{6 x^2}{2 x^3 - 1}$$

Sequence: A077958
Score: 9.79265
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$$

Sequence: A077959
Score: 17.6745
Type of gen. func.: ogf

$$2 f(x) x^3 + f(x) - 1$$

Sequence: A077959
Score: 20.1293
Type of gen. func.: lgdogf

$$\frac{6 x^2}{-2 x^3 - 1}$$

Sequence: A077959
Score: 24.9881
Type of gen. func.: ogf

$$\frac{1}{2 x^3 + 1}$$

Sequence: A077959
Score: 59.9439
Type of gen. func.: lgdogf

$$- \frac{6 x^2}{2 x^3 + 1}$$

Sequence: A077959
Score: 9.79265
Type of gen. func.: ogf

$$\{-a(n + 3) - 2 a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$$

Sequence: A077961
Score: 10.9688
Type of gen. func.: ogf

$$(6 f(x) - 5) (f(x) x^3 - f(x) x^2 - f(x) + 1)$$

Sequence: A077961
Score: 15.8656
Type of gen. func.: lgdogf

$$-\frac{3x^2 - 2x}{x^3 - x^2 - 1}$$

Sequence: A077961
Score: 24.0128
Type of gen. func.: ogf

$$-\frac{1}{x^3 - x^2 - 1}$$

Sequence: A077961
Score: 41.4552
Type of gen. func.: lgdogf

$$-\frac{x(-2 + 3x)}{x^3 - x^2 - 1}$$

Sequence: A077961
Score: 9.55346
Type of gen. func.: ogf

$$\{a(n + 3) + a(n + 1) - a(n), a(0) = 1, a(1) = 0, a(2) = -1\}$$

Sequence: A077962
Score: 10.4526
Type of gen. func.: ogf

$$-(6 f(x) - 5) (f(x) x^3 + f(x) x^2 + f(x) - 1)$$

Sequence: A077962
Score: 15.8656

Type of gen. func.: lgdogf

$$-\frac{-3 x^2 - 2 x}{-x^3 - x^2 - 1}$$

Sequence: A077962
Score: 26.9234
Type of gen. func.: ogf

$$\frac{1}{x^3 + x^2 + 1}$$

Sequence: A077962
Score: 45.4100
Type of gen. func.: lgdogf

$$-\frac{x (2 + 3 x)}{x^3 + x^2 + 1}$$

Sequence: A077962
Score: 9.55346
Type of gen. func.: ogf

{-a(n + 3) - a(n + 1) - a(n), a(0) = 1, a(1) = 0, a(2) = -1}

Sequence: A077963
Score: 14.3565
Type of gen. func.: ogf

$$-2 f(x) x^3 - f(x) x^2 - f(x) + 1$$

Sequence: A077963
Score: 15.1256
Type of gen. func.: lgdogf

$$-6 x^2 - 2 x$$

$$-\frac{}{-2 x^{3} - x^{2} - 1}$$

Sequence: A077963
Score: 25.6677
Type of gen. func.: ogf

$$\frac{1}{(x + 1) (2 x^{2} - x + 1)}$$

Sequence: A077963
Score: 30.9295
Type of gen. func.: lgdogf

$$-\frac{2 x (3 x + 1)}{(x + 1) (2 x^{2} - x + 1)}$$

Sequence: A077963
Score: 9.10788
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 1) - 2 a(n), a(0) = 1, a(1) = 0, a(2) = -1\}$$

Sequence: A077964
Score: 14.5227
Type of gen. func.: lgdogf

$$-\frac{6 x^{2} - 4 x}{2 x^{3} - 2 x^{2} - 1}$$

Sequence: A077964
Score: 24.6446
Type of gen. func.: ogf

$$-\frac{1}{2 x^{3} - 2 x^{2} - 1}$$

Sequence: A077964
Score: 29.2134
Type of gen. func.: lgdogf

$$-\frac{2 x (-2 + 3 x)}{2 x^3 - 2 x^2 - 1}$$

Sequence: A077964
Score: 8.74486
Type of gen. func.: ogf

$$\{a(n + 3) + 2 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 0, a(2) = -2\}$$

Sequence: A077964
Score: 9.91795
Type of gen. func.: ogf

$$(13 f(x) - 9) (2 f(x) x^3 - 2 f(x) x^2 - f(x) + 1)$$

Sequence: A077965
Score: 10.0304
Type of gen. func.: ogf

$$(97 f(x) - 33) (f(x) x^3 - 2 f(x) x^2 - f(x) + 1)$$

Sequence: A077965
Score: 14.8665
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 4 x}{x^3 - 2 x^2 - 1}$$

Sequence: A077965
Score: 22.5006

Type of gen. func.: ogf

$$-\frac{1}{x^3 - 2 x^2 - 1}$$

Sequence: A077965
Score: 34.6399
Type of gen. func.: lgdogf

$$-\frac{x (-4 + 3 x)}{x^3 - 2 x^2 - 1}$$

Sequence: A077965
Score: 8.95185
Type of gen. func.: ogf

{a(n + 3) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 0, a(2) = -2}

Sequence: A077966
Score: 12.7067
Type of gen. func.: ogf

{-a(n + 2) - 2 a(n), a(0) = 1, a(1) = 0}

Sequence: A077966
Score: 19.525
Type of gen. func.: ogf

$$2 f(x) x^2 + f(x) - 1$$

Sequence: A077966
Score: 22.2368
Type of gen. func.: lgdogf

$$\frac{4 x}{-2 x^2 - 1}$$

Sequence: A077966
Score: 27.6043
Type of gen. func.: ogf

$$\frac{1}{2x^2+1}$$

Sequence: A077966
Score: 68.1543
Type of gen. func.: lgdogf

$$-\frac{4x}{2x^2+1}$$

Sequence: A077967
Score: 14.8665
Type of gen. func.: lgdogf

$$-\frac{-3x^2-4x}{-x^3-2x^2-1}$$

Sequence: A077967
Score: 25.2279
Type of gen. func.: ogf

$$\frac{1}{x^3+2x^2+1}$$

Sequence: A077967
Score: 37.6842
Type of gen. func.: lgdogf

$$-\frac{x(3x+4)}{x^3+2x^2+1}$$

Sequence: A077967
Score: 8.95185
Type of gen. func.: ogf

$$\{-a(n+3) - 2a(n+1) - a(n), a(0) = 1, a(1) = 0, a(2) = -2\}$$

Sequence: A077967
Score: 9.56922
Type of gen. func.: ogf

$$-(97 f(x) - 33) (f(x) x^3 + 2 f(x) x^2 + f(x) - 1)$$

Sequence: A077968
Score: 14.5227
Type of gen. func.: lgdogf

$$-\frac{-6x^2 - 4x}{-2x^3 - 2x^2 - 1}$$

Sequence: A077968
Score: 21.9803
Type of gen. func.: ogf

$$\frac{1}{2x^3 + 2x^2 + 1}$$

Sequence: A077968
Score: 31.4327
Type of gen. func.: lgdogf

$$-\frac{2x(2 + 3x)}{2x^3 + 2x^2 + 1}$$

Sequence: A077968
Score: 8.74486

Type of gen. func.: ogf

$$\{-a(n + 3) - 2 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 0, a(2) = -2\}$$

Sequence: A077968
Score: 9.45665
Type of gen. func.: ogf

$$-(13 f(x) - 9) (2 f(x) x^3 + 2 f(x) x^2 + f(x) - 1)$$

Sequence: A077970
Score: 12.7841
Type of gen. func.: lgdogf

$$-\frac{6 x^2 - 4 x + 1}{2 x^3 - 2 x^2 + x + 1}$$

Sequence: A077970
Score: 22.1131
Type of gen. func.: ogf

$$\frac{1}{2 x^3 - 2 x^2 + x + 1}$$

Sequence: A077970
Score: 26.0649
Type of gen. func.: lgdogf

$$-\frac{6 x^2 - 4 x + 1}{2 x^3 - 2 x^2 + x + 1}$$

Sequence: A077970
Score: 7.30521
Type of gen. func.: ogf

$$\{a(n + 3) + a(n + 2) - 2 a(n + 1) + 2 a(n), a(0) = 1, a(1) = -1, a(2) = 3\}$$

Sequence: A077970
Score: 7.94352
Type of gen. func.: ogf

$$-(3 f(x) - 2) (2 f(x) x^3 - 2 f(x) x^2 + f(x) x + f(x) - 1)$$

Sequence: A077971
Score: 13.7099
Type of gen. func.: lgdogf

$$-\frac{6 x^2 + 2 x - 1}{2 x^3 + x^2 - x - 1}$$

Sequence: A077971
Score: 23.7144
Type of gen. func.: ogf

$$-\frac{1}{2 x^3 + x^2 - x - 1}$$

Sequence: A077971
Score: 30.8658
Type of gen. func.: lgdogf

$$-\frac{6 x^2 + 2 x - 1}{2 x^3 + x^2 - x - 1}$$

Sequence: A077971
Score: 7.83423
Type of gen. func.: ogf

$$\{a(n + 3) + a(n + 2) - a(n + 1) - 2 a(n), a(0) = 1, a(1) = -1, a(2) = 2\}$$

Sequence: A077971
Score: 8.51878
Type of gen. func.: ogf

$$-(f(x) - 4) (2 f(x) x^3 + f(x) x^2 - f(x) x - f(x) + 1)$$

Sequence: A077972
Score: 12.5548
Type of gen. func.: lgdogf

$$- \frac{-6 x^2 + 2 x - 1}{-2 x^3 + x^2 - x - 1}$$

Sequence: A077972
Score: 19.5978
Type of gen. func.: ogf

$$\frac{1}{(2 x + 1) (x^2 - x + 1)}$$

Sequence: A077972
Score: 26.5540
Type of gen. func.: lgdogf

$$- \frac{6 x^2 - 2 x + 1}{(2 x + 1) (x^2 - x + 1)}$$

Sequence: A077972
Score: 7.17419
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) + a(n + 1) - 2 a(n), a(0) = 1, a(1) = -1, a(2) = 2\}$$

Sequence: A077972
Score: 7.80106
Type of gen. func.: ogf

$$-(9 f(x) - 4) (2 f(x) x^3 - f(x) x^2 + f(x) x + f(x) - 1)$$

Sequence: A077973
Score: 10.6949
Type of gen. func.: ogf

$$(f(x) - 2) (2 f(x) x^3 - f(x) x - f(x) + 1)$$

Sequence: A077973
Score: 16.6593
Type of gen. func.: lgdogf

$$-\frac{-6 x^2 + 1}{-2 x^3 + x + 1}$$

Sequence: A077973
Score: 26.2510
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (2 x^2 + 2 x + 1)}$$

Sequence: A077973
Score: 30.3044
Type of gen. func.: lgdogf

$$-\frac{6 x^2 - 1}{(x - 1) (2 x^2 + 2 x + 1)}$$

Sequence: A077973
Score: 9.21579
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) + 2 a(n), a(0) = 1, a(1) = -1, a(2) = 1\}$$

Sequence: A077974
Score: 10.0861
Type of gen. func.: ogf

$$(f(x) - 1) (2 f(x) x^3 + f(x) x + f(x) - 1)$$

Sequence: A077974
Score: 15.7110
Type of gen. func.: lgdogf

$$- \frac{6 x^2 + 1}{2 x^3 + x + 1}$$

Sequence: A077974
Score: 24.7568
Type of gen. func.: ogf

$$\frac{1}{2 x^3 + x + 1}$$

Sequence: A077974
Score: 39.6331
Type of gen. func.: lgdogf

$$- \frac{6 x^2 + 1}{2 x^3 + x + 1}$$

Sequence: A077974
Score: 8.69121
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) - 2 a(n), a(0) = 1, a(1) = -1, a(2) = 1\}$$

Sequence: A077975
Score: 13.3993
Type of gen. func.: lgdogf

$$-\frac{-6x^2+2x+1}{-2x^3+x^2+x+1}$$

Sequence: A077975
Score: 23.1771
Type of gen. func.: ogf

$$-\frac{1}{2x^3-x^2-x-1}$$

Sequence: A077975
Score: 28.9142
Type of gen. func.: lgdogf

$$-\frac{6x^2-2x-1}{2x^3-x^2-x-1}$$

Sequence: A077975
Score: 7.72571
Type of gen. func.: ogf

$$\{-a(n+3)-a(n+2)-a(n+1)+2a(n), a(0)=1, a(1)=-1, a(2)=0\}$$

Sequence: A077975
Score: 8.16718
Type of gen. func.: ogf

$$-(41 f(x)-32)(2 f(x) x^3 - f(x) x^2 - f(x) x - f(x) + 1)$$

Sequence: A077976
Score: 13.6921
Type of gen. func.: lgdogf

$$-\frac{-6x^2-2x-1}{-2x^3-x^2-x-1}$$

Sequence: A077976
Score: 23.6836
Type of gen. func.: ogf

$$\frac{1}{2x^3+x^2+x+1}$$

Sequence: A077976
Score: 32.0786
Type of gen. func.: lgdogf

$$-\frac{6x^2+2x+1}{2x^3+x^2+x+1}$$

Sequence: A077976
Score: 7.89452
Type of gen. func.: ogf

$$\{a(n+3)+a(n+2)+a(n+1)+2a(n), a(0)=1, a(1)=-1, a(2)=0\}$$

Sequence: A077976
Score: 9.22414
Type of gen. func.: ogf

$$-f(x)(2f(x)x^3+f(x)x^2+f(x)x+f(x)-1)$$

Sequence: A077977
Score: 12.5610
Type of gen. func.: lgdogf

$$-6x^2+4x+1$$

$$-\frac{}{-2 x^{3} + 2 x^{2} + x + 1}$$

Sequence: A077977
Score: 21.7272
Type of gen. func.: ogf

$$-\frac{1}{2 x^{3} - 2 x^{2} - x - 1}$$

Sequence: A077977
Score: 25.3561
Type of gen. func.: lgdogf

$$-\frac{6 x^{2} - 4 x - 1}{2 x^{3} - 2 x^{2} - x - 1}$$

Sequence: A077977
Score: 7.17774
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) - 2 a(n + 1) + 2 a(n), a(0) = 1, a(1) = -1, a(2) = -1\}$$

Sequence: A077977
Score: 7.72987
Type of gen. func.: ogf

$$-(23 f(x) - 8) (2 f(x) x^{3} - 2 f(x) x^{2} - f(x) x - f(x) + 1)$$

Sequence: A077978
Score: 13.3155
Type of gen. func.: lgdogf

$$-\frac{-3 x^{2} + 4 x + 1}{-x^{3} + 2 x^{2} + x + 1}$$

Sequence: A077978
Score: 23.0321
Type of gen. func.: ogf

$$-\frac{1}{x^3 - 2x^2 - x - 1}$$

Sequence: A077978
Score: 28.7333
Type of gen. func.: lgdogf

$$-\frac{3x^2 - 4x - 1}{x^3 - 2x^2 - x - 1}$$

Sequence: A077978
Score: 7.60883
Type of gen. func.: ogf

$$\{-a(n+3) - a(n+2) - 2a(n+1) + a(n), a(0) = 1, a(1) = -1, a(2) = -1\}$$

Sequence: A077978
Score: 8.27368
Type of gen. func.: ogf

$$-(6 f(x) - 1) (f(x) x^3 - 2 f(x) x^2 - f(x) x - f(x) + 1)$$

Sequence: A077979
Score: 13.2642
Type of gen. func.: lgdogf

$$-\frac{3x^2 + 4x + 1}{x^3 + 2x^2 + x + 1}$$

Sequence: A077979
Score: 20.7051
Type of gen. func.: ogf

$$\frac{1}{x^{3} + 2 x^{2} + x + 1}$$

Sequence: A077979
Score: 31.0354
Type of gen. func.: lgdogf

$$-\frac{(x + 1) (3 x + 1)}{x^{3} + 2 x^{2} + x + 1}$$

Sequence: A077979
Score: 7.57954
Type of gen. func.: ogf

$$\{a(n + 3) + a(n + 2) + 2 a(n + 1) + a(n), a(0) = 1, a(1) = -1, a(2) = -1\}$$

Sequence: A077979
Score: 8.57484
Type of gen. func.: ogf

$$(4 f(x) - 3) (f(x) x^{3} + 2 f(x) x^{2} + f(x) x + f(x) - 1)$$

Sequence: A077980
Score: 11.3504
Type of gen. func.: ogf

$$2 f(x) x^{3} + 2 f(x) x^{2} + f(x) x + f(x) - 1$$

Sequence: A077980
Score: 13.6560
Type of gen. func.: lgdogf

$$-\frac{6 x^{2} + 4 x + 1}{}$$

$$2 x^3 + 2 x^2 + x + 1$$

Sequence: A077980
Score: 23.6212
Type of gen. func.: ogf

$$\frac{1}{(x + 1) (2 x^2 + 1)}$$

Sequence: A077980
Score: 31.6996
Type of gen. func.: lgdogf

$$- \frac{6 x^2 + 4 x + 1}{(x + 1) (2 x^2 + 1)}$$

Sequence: A077980
Score: 7.80343
Type of gen. func.: ogf

$\{a(n + 3) + a(n + 2) + 2 a(n + 1) + 2 a(n), a(0) = 1, a(1) = -1, a(2) = -1\}$

Sequence: A077981
Score: 11.6916
Type of gen. func.: lgdogf

$$- \frac{6 x^2 + 4 x - 2}{2 x^3 + 2 x^2 - 2 x - 1}$$

Sequence: A077981
Score: 20.2234
Type of gen. func.: ogf

$$- \frac{1}{2 x^3 + 2 x^2 - 2 x - 1}$$

Sequence: A077981
Score: 21.8244
Type of gen. func.: lgdogf

$$-\frac{2 (x + 1) (3 x - 1)}{2 x^3 + 2 x^2 - 2 x - 1}$$

Sequence: A077981
Score: 6.68093
Type of gen. func.: ogf

$$\{a(n + 3) + 2 a(n + 2) - 2 a(n + 1) - 2 a(n), a(0) = 1, a(1) = -2, a(2) = 6\}$$

Sequence: A077981
Score: 7.19484
Type of gen. func.: ogf

$$-(11 f(x) + 5) (2 f(x) x^3 + 2 f(x) x^2 - 2 f(x) x - f(x) + 1)$$

Sequence: A077983
Score: 11.9960
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 4 x + 2}{x^3 - 2 x^2 + 2 x + 1}$$

Sequence: A077983
Score: 20.7498
Type of gen. func.: ogf

$$\frac{1}{x^3 - 2 x^2 + 2 x + 1}$$

Sequence: A077983
Score: 24.2854
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 4 x + 2}{x^3 - 2 x^2 + 2 x + 1}$$

Sequence: A077983
Score: 6.85486
Type of gen. func.: ogf

$$\{a(n + 3) + 2 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 1, a(1) = -2, a(2) = 6\}$$

Sequence: A077983
Score: 7.67743
Type of gen. func.: ogf

$$(17 f(x) - 9) (f(x) x^3 - 2 f(x) x^2 + 2 f(x) x + f(x) - 1)$$

Sequence: A077984
Score: 12.2065
Type of gen. func.: lgdogf

$$-\frac{6 x^2 - 4 x + 2}{2 x^3 - 2 x^2 + 2 x + 1}$$

Sequence: A077984
Score: 19.0540
Type of gen. func.: ogf

$$\frac{1}{2 x^3 - 2 x^2 + 2 x + 1}$$

Sequence: A077984
Score: 22.0240
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^2-2\,x+1)}{2\,x^3-2\,x^2+2\,x+1}$$

Sequence: A077984
Score: 6.97512
Type of gen. func.: ogf

$$\{-a(n+3)-2\,a(n+2)+2\,a(n+1)-2\,a(n),\ a(0)=1,\ a(1)=-2,\ a(2)=6\}$$

Sequence: A077984
Score: 7.58459
Type of gen. func.: ogf

$$-(f(x)-1)\,(2\,f(x)\,x^3-2\,f(x)\,x^2+2\,f(x)\,x+f(x)-1)$$

Sequence: A077985
Score: 16.1684
Type of gen. func.: lgdogf

$$-\frac{2\,x-2}{x^2-2\,x-1}$$

Sequence: A077985
Score: 23.9369
Type of gen. func.: revogf

$$\frac{-1+2\,x+(8\,x^2-4\,x+1)^{1/2}}{2\,x}$$

Sequence: A077985
Score: 26.7614
Type of gen. func.: ogf

$$-\frac{1}{x^2-2\,x-1}$$

Sequence: A077985
Score: 40.6928
Type of gen. func.: lgdogf

$$-\frac{2 (x - 1)}{x^2 - 2 x - 1}$$

Sequence: A077985
Score: 8.92047
Type of gen. func.: ogf

$$-(29 f(x) - 13) (f(x) x^2 - 2 f(x) x - f(x) + 1)$$

Sequence: A077985
Score: 9.46441
Type of gen. func.: ogf

$$\{a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = -2\}$$

Sequence: A077986
Score: 11.7979
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 2 x + 2}{x^3 - x^2 + 2 x + 1}$$

Sequence: A077986
Score: 18.4162
Type of gen. func.: ogf

$$\frac{1}{x^3 - x^2 + 2 x + 1}$$

Sequence: A077986
Score: 6.74166
Type of gen. func.: ogf

$$\{-a(n + 3) - 2 a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = -2, a(2) = 5\}$$

Sequence: A077986
Score: 7.33074
Type of gen. func.: ogf

$$-(6 f(x) - 1) (f(x) x^3 - f(x) x^2 + 2 f(x) x + f(x) - 1)$$

Sequence: A077987
Score: 12.1699
Type of gen. func.: lgdogf

$$-\frac{-6 x^2 + 2 x - 2}{-2 x^3 + x^2 - 2 x - 1}$$

Sequence: A077987
Score: 18.9970
Type of gen. func.: ogf

$$\frac{1}{2 x^3 - x^2 + 2 x + 1}$$

Sequence: A077987
Score: 24.7360
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^2 - x + 1)}{2 x^3 - x^2 + 2 x + 1}$$

Sequence: A077987
Score: 6.95424
Type of gen. func.: ogf

{-a(n + 3) - 2 a(n + 2) + a(n + 1) - 2 a(n), a(0) = 1, a(1) = -2, a(2) = 5}

Sequence: A077987
Score: 7.71163
Type of gen. func.: ogf

$$(53 f(x) - 20) (2 f(x) x^3 - f(x) x^2 + 2 f(x) x + f(x) - 1)$$

Sequence: A077988
Score: 10.1978
Type of gen. func.: ogf

$$(f(x) - 1) (2 f(x) x^3 - 2 f(x) x - f(x) + 1)$$

Sequence: A077988
Score: 15.8851
Type of gen. func.: lgdogf

$$- \frac{-6 x^2 + 2}{-2 x^3 + 2 x + 1}$$

Sequence: A077988
Score: 25.0311
Type of gen. func.: ogf

$$- \frac{1}{2 x^3 - 2 x - 1}$$

Sequence: A077988
Score: 31.7702
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^2 - 1)}{2 x^3 - 2 x - 1}$$

Sequence: A077988
Score: 8.78750
Type of gen. func.: ogf

$$\{-a(n + 3) - 2 a(n + 2) + 2 a(n), a(0) = 1, a(1) = -2, a(2) = 4\}$$

Sequence: A077989
Score: 12.7652
Type of gen. func.: lgdogf

$$-\frac{-6 x^2 + 2 x + 2}{-2 x^3 + x^2 + 2 x + 1}$$

Sequence: A077989
Score: 22.0804
Type of gen. func.: ogf

$$-\frac{1}{2 x^3 - x^2 - 2 x - 1}$$

Sequence: A077989
Score: 25.5372
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^2 - x - 1)}{2 x^3 - x^2 - 2 x - 1}$$

Sequence: A077989
Score: 7.29441
Type of gen. func.: ogf

$$\{-a(n + 3) - 2 a(n + 2) - a(n + 1) + 2 a(n), a(0) = 1, a(1) = -2, a(2) = 3\}$$

Sequence: A077989

Score: 8.00955
Type of gen. func.: ogf

$$(109 f(x) - 44) (2 f(x) x^3 - f(x) x^2 - 2 f(x) x - f(x) + 1)$$

Sequence: A077990
Score: 13.0673
Type of gen. func.: lgdogf

$$-\frac{-3 x^2 + 2 x + 2}{-x^3 + x^2 + 2 x + 1}$$

Sequence: A077990
Score: 20.3977
Type of gen. func.: ogf

$$-\frac{1}{x^3 - x^2 - 2 x - 1}$$

Sequence: A077990
Score: 28.2632
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 2 x - 2}{x^3 - x^2 - 2 x - 1}$$

Sequence: A077990
Score: 7.46702
Type of gen. func.: ogf

$$\{-a(n + 3) - 2 a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = -2, a(2) = 3\}$$

Sequence: A077990
Score: 8.44753
Type of gen. func.: ogf

$$(4 f(x) - 1) (f(x) x^3 - f(x) x^2 - 2 f(x) x - f(x) + 1)$$

Sequence: A077991
Score: 13.0896
Type of gen. func.: lgdogf

$$-\frac{-6 x^2 + 4 x + 2}{-2 x^3 + 2 x^2 + 2 x + 1}$$

Sequence: A077991
Score: 22.6414
Type of gen. func.: ogf

$$-\frac{1}{2 x^3 - 2 x^2 - 2 x - 1}$$

Sequence: A077991
Score: 24.1053
Type of gen. func.: lgdogf

$$-\frac{2 (3 x + 1) (x - 1)}{2 x^3 - 2 x^2 - 2 x - 1}$$

Sequence: A077991
Score: 7.47976
Type of gen. func.: ogf

$$\{-a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + 2 a(n), a(0) = 1, a(1) = -2, a(2) = 2\}$$

Sequence: A077991
Score: 8.37733
Type of gen. func.: ogf

$$(21 f(x) - 5) (2 f(x) x^3 - 2 f(x) x^2 - 2 f(x) x - f(x) + 1)$$

Sequence: A077992
Score: 12.7652
Type of gen. func.: lgdogf

$$-\frac{-3x^2+4x+2}{-x^3+2x^2+2x+1}$$

Sequence: A077992
Score: 22.0804
Type of gen. func.: ogf

$$-\frac{1}{x^3-2x^2-2x-1}$$

Sequence: A077992
Score: 25.6449
Type of gen. func.: lgdogf

$$-\frac{3x^2-4x-2}{x^3-2x^2-2x-1}$$

Sequence: A077992
Score: 7.29441
Type of gen. func.: ogf

$$\{-a(n+3)-2a(n+2)-2a(n+1)+a(n), a(0)=1, a(1)=-2, a(2)=2\}$$

Sequence: A077992
Score: 7.85552
Type of gen. func.: ogf

$$-(17f(x)-2)(f(x)x^3-2f(x)x^2-2f(x)x-f(x)+1)$$

Sequence: A077993
Score: 13.1402

Type of gen. func.: lgdogf

$$-\frac{-6 x^2 - 4 x - 2}{-2 x^3 - 2 x^2 - 2 x - 1}$$

Sequence: A077993
Score: 20.5116
Type of gen. func.: ogf

$$\frac{1}{2 x^3 + 2 x^2 + 2 x + 1}$$

Sequence: A077993
Score: 25.1254
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^2 + 2 x + 1)}{2 x^3 + 2 x^2 + 2 x + 1}$$

Sequence: A077993
Score: 7.50871
Type of gen. func.: ogf

$$\{-a(n + 3) - 2 a(n + 2) - 2 a(n + 1) - 2 a(n), a(0) = 1, a(1) = -2, a(2) = 2\}$$

Sequence: A077993
Score: 8.16481
Type of gen. func.: ogf

$$-(f(x) - 1) (2 f(x) x^3 + 2 f(x) x^2 + 2 f(x) x + f(x) - 1)$$

Sequence: A077994
Score: 2.08604
Type of gen. func.: ogf

3 2

$$(33 f(x) - 29) (2 f(x) x + 2 f(x) x + 2 f(x) x - f(x) - x + 1)$$

Sequence: A077994
Score: 4.13274
Type of gen. func.: ogf

$$\frac{x - 1}{2 x^{3} + 2 x^{2} + 2 x - 1}$$

Sequence: A077995
Score: 11.1484
Type of gen. func.: lgdogf

$$- \frac{-2 x^{3} + x^{2} + 4 x + 1}{-x^{4} - x^{3} + 3 x - 1}$$

Sequence: A077995
Score: 15.1450
Type of gen. func.: ogf

$$\frac{x - 1}{x^{3} + 2 x^{2} + 2 x - 1}$$

Sequence: A077995
Score: 7.16681
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) + a(n), a(0) = 1, a(1) = 1, a(2) = 4\}$$

Sequence: A077995
Score: 7.36406
Type of gen. func.: ogf

$$-(29 f(x) - 49) (f(x) x^{3} + 2 f(x) x^{2} + 2 f(x) x - f(x) - x + 1)$$

Sequence: A077996
Score: 14.3749
Type of gen. func.: ogf

$$\frac{x - 1}{2 x^3 + x^2 + 2 x - 1}$$

Sequence: A077996
Score: 16.6281
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 5 x^2 - 2 x - 1}{(x - 1) (2 x^3 + x^2 + 2 x - 1)}$$

Sequence: A077996
Score: 6.80240
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - a(n + 1) - 2 a(n), a(0) = 1, a(1) = 1, a(2) = 3\}$$

Sequence: A077996
Score: 7.39678
Type of gen. func.: ogf

$$(f(x) - 1) (2 f(x) x^3 + f(x) x^2 + 2 f(x) x - f(x) - x + 1)$$

Sequence: A077996
Score: 9.52336
Type of gen. func.: lgdogf

$$- \frac{-4 x^3 + 5 x^2 + 2 x + 1}{-2 x^4 + x^3 - x^2 + 3 x - 1}$$

Sequence: A077997
Score: 10.9220
Type of gen. func.: lgdogf

$$-\frac{-2x^3+2x^2+2x+1}{-x^4-x^2+3x-1}$$

Sequence: A077997
Score: 14.8374
Type of gen. func.: ogf

$$\frac{x-1}{x^3+x^2+2x-1}$$

Sequence: A077997
Score: 17.9686
Type of gen. func.: lgdogf

$$-\frac{2x^3-2x^2-2x-1}{(x-1)(x^3+x^2+2x-1)}$$

Sequence: A077997
Score: 7.02129
Type of gen. func.: ogf

$$\{a(n+3)-2a(n+2)-a(n+1)-a(n),\ a(0)=1,\ a(1)=1,\ a(2)=3\}$$

Sequence: A077997
Score: 7.21452
Type of gen. func.: ogf

$$-(35 f(x)-26)(f(x)x^3+f(x)x^2+2f(x)x-f(x)-x+1)$$

Sequence: A077998
Score: 10.0525
Type of gen. func.: lgdogf

$$2x^3-4x^2+2x+1$$

$$-\frac{}{x^4 - 2 x^3 - x^2 + 3 x - 1}$$

Sequence: A077998
Score: 15.1735
Type of gen. func.: ogf

$$-\frac{x - 1}{x^3 - x^2 - 2 x + 1}$$

Sequence: A077998
Score: 18.8146
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 4 x^2 + 2 x + 1}{(x - 1) (x^3 - x^2 - 2 x + 1)}$$

Sequence: A077998
Score: 7.18033
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 1, a(2) = 3\}$$

Sequence: A077998
Score: 7.44627
Type of gen. func.: ogf

$$-(23 f(x) - 2) (f(x) x^3 - f(x) x^2 - 2 f(x) x + f(x) + x - 1)$$

Sequence: A077999
Score: 10.3060
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 + 6 x^2 + 1}{-2 x^4 + 2 x^3 - 2 x^2 + 3 x - 1}$$

Sequence: A077999
Score: 17.4057
Type of gen. func.: ogf

$$\frac{x - 1}{2 x^3 + 2 x - 1}$$

Sequence: A077999
Score: 20.7944
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 6 x^2 - 1}{(x - 1) (2 x^3 + 2 x - 1)}$$

Sequence: A077999
Score: 8.33252
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 2 a(n), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A077999
Score: 9.21478
Type of gen. func.: ogf

$$(7 f(x) - 5) (2 f(x) x^3 + 2 f(x) x - f(x) - x + 1)$$

Sequence: A078000
Score: 2.22977
Type of gen. func.: ogf

$$(3 f(x) - 4) (2 f(x) x^3 - f(x) x^2 + 2 f(x) x - f(x) - x + 1)$$

Sequence: A078000
Score: 4.33332
Type of gen. func.: ogf

$$\frac{x - 1}{(2 x - 1) (x^{2} + 1)}$$

Sequence: A078001
Score: 11.9113
Type of gen. func.: lgdogf

$$- \frac{-2 x^{3} + 2 x^{2} + 2 x - 1}{-x^{4} + 3 x^{2} - 3 x + 1}$$

Sequence: A078001
Score: 16.1814
Type of gen. func.: ogf

$$- \frac{x - 1}{x^{3} + x^{2} - 2 x + 1}$$

Sequence: A078001
Score: 21.9691
Type of gen. func.: lgdogf

$$- \frac{2 x^{3} - 2 x^{2} - 2 x + 1}{(x - 1) (x^{3} + x^{2} - 2 x + 1)}$$

Sequence: A078001
Score: 7.65728
Type of gen. func.: ogf

$\{-a(n + 3) + 2 a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$

Sequence: A078001
Score: 8.0151
Type of gen. func.: ogf

$$-(f(x) - 2) (f(x) x^3 + f(x) x^2 - 2 f(x) x + f(x) + x - 1)$$

Sequence: A078002
Score: 10.5133
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 + 5 x^2 + 2 x - 1}{-2 x^4 + x^3 + 3 x^2 - 3 x + 1}$$

Sequence: A078002
Score: 15.8692
Type of gen. func.: ogf

$$-\frac{x - 1}{2 x^3 + x^2 - 2 x + 1}$$

Sequence: A078002
Score: 20.4565
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 5 x^2 - 2 x + 1}{(x - 1) (2 x^3 + x^2 - 2 x + 1)}$$

Sequence: A078002
Score: 7.50951
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n + 1) + 2 a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A078002
Score: 7.86042
Type of gen. func.: ogf

$$-(5 f(x) - 4) (2 f(x) x^3 + f(x) x^2 - 2 f(x) x + f(x) + x - 1)$$

Sequence: A078003
Score: 10.5957
Type of gen. func.: lgdogf

$$-\frac{4x^3-8x^2+4x-1}{2x^4-4x^3+4x^2-3x+1}$$

Sequence: A078003
Score: 15.9936
Type of gen. func.: ogf

$$\frac{x-1}{2x^3-2x^2+2x-1}$$

Sequence: A078003
Score: 17.8743
Type of gen. func.: lgdogf

$$-\frac{4x^3-8x^2+4x-1}{(x-1)(2x^3-2x^2+2x-1)}$$

Sequence: A078003
Score: 7.63657
Type of gen. func.: ogf

$$\{a(n+3)-2a(n+2)+2a(n+1)-2a(n), a(0)=1, a(1)=1, a(2)=0\}$$

Sequence: A078003
Score: 7.92204
Type of gen. func.: ogf

$$-(f(x)-1)(2f(x)x^3-2f(x)x^2+2f(x)x-f(x)-x+1)$$

Sequence: A078004

Score: 10.0748
Type of gen. func.: lgdogf

$$-\frac{2x^3 - x^2 - 4x + 1}{x^4 + x^3 - 4x^2 + 3x - 1}$$

Sequence: A078004
Score: 15.2072
Type of gen. func.: ogf

$$-\frac{x - 1}{x^3 + 2x^2 - 2x + 1}$$

Sequence: A078004
Score: 20.5857
Type of gen. func.: lgdogf

$$-\frac{2x^3 - x^2 - 4x + 1}{(x - 1)(x^3 + 2x^2 - 2x + 1)}$$

Sequence: A078004
Score: 7.26111
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - 2 a(n + 1) - a(n), a(0) = 1, a(1) = 1, a(2) = 0\}$$

Sequence: A078004
Score: 7.74984
Type of gen. func.: ogf

$$(9 f(x) - 11) (f(x) x^3 + 2 f(x) x^2 - 2 f(x) x + f(x) + x - 1)$$

Sequence: A078005
Score: 11.5349
Type of gen. func.: lgdogf

$$-\frac{4x^3-4x^2-4x+1}{2x^4-4x^2+3x-1}$$

Sequence: A078005
Score: 15.6700
Type of gen. func.: ogf

$$-\frac{x-1}{2x^3+2x^2-2x+1}$$

Sequence: A078005
Score: 19.2321
Type of gen. func.: lgdogf

$$-\frac{4x^3-4x^2-4x+1}{(x-1)(2x^3+2x^2-2x+1)}$$

Sequence: A078005
Score: 7.48209
Type of gen. func.: ogf

$$\{-a(n+3)+2a(n+2)-2a(n+1)-2a(n), a(0)=1, a(1)=1, a(2)=0\}$$

Sequence: A078005
Score: 7.90963
Type of gen. func.: ogf

$$(25f(x)-13)(2f(x)x^3+2f(x)x^2-2f(x)x+f(x)+x-1)$$

Sequence: A078006
Score: 10.3614
Type of gen. func.: ogf

$$2f(x)x^3+2f(x)x^2+f(x)x-f(x)-x+1$$

Sequence: A078006
Score: 12.3423
Type of gen. func.: lgdogf

$$-\frac{4x^3-4x^2-4x}{2x^4-x^2-2x+1}$$

Sequence: A078006
Score: 15.8354
Type of gen. func.: ogf

$$\frac{x-1}{2x^3+2x^2+x-1}$$

Sequence: A078006
Score: 21.2486
Type of gen. func.: lgdogf

$$-\frac{4x(x^2-x-1)}{(x-1)(2x^3+2x^2+x-1)}$$

Sequence: A078006
Score: 7.56103
Type of gen. func.: ogf

$\{a(n+3)-a(n+2)-2a(n+1)-2a(n), a(0)=1, a(1)=0, a(2)=2\}$

Sequence: A078007
Score: 10.4399
Type of gen. func.: lgdogf

$$-\frac{-2x^3+x^2+4x}{-x^4-x^3+x^2+2x-1}$$

Sequence: A078007
Score: 14.9704
Type of gen. func.: ogf

$$\frac{x - 1}{x^3 + 2 x^2 + x - 1}$$

Sequence: A078007
Score: 21.1582
Type of gen. func.: lgdogf

$$- \frac{x (2 x^2 - x - 4)}{(x - 1) (x^3 + 2 x^2 + x - 1)}$$

Sequence: A078007
Score: 7.14803
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 2 a(n + 1) + a(n), a(0) = 1, a(1) = 0, a(2) = 2\}$$

Sequence: A078007
Score: 9.79545
Type of gen. func.: ogf

$$-f(x) x^3 - 2 f(x) x^2 - f(x) x + f(x) + x - 1$$

Sequence: A078008
Score: 12.3591
Type of gen. func.: ogf

$$2 f(x) x^2 + f(x) x - f(x) - x + 1$$

Sequence: A078008
Score: 12.9770
Type of gen. func.: lgdogf

$$-\frac{-2 x^{2} + 4 x}{-2 x^{3} + x^{2} + 2 x - 1}$$

Sequence: A078008
Score: 17.3027
Type of gen. func.: ogf

$$\frac{x - 1}{(x + 1) (2 x - 1)}$$

Sequence: A078008
Score: 19.6912
Type of gen. func.: revogf

$$\frac{-1 - x + (9 x^{2} - 2 x + 1)^{1/2}}{2 (2 x - 1)}$$

Sequence: A078008
Score: 25.5985
Type of gen. func.: lgdogf

$$-\frac{2 x (x - 2)}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A078008
Score: 9.61262
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 2 a(n), a(0) = 1, a(1) = 0\}$$

Sequence: A078009
Score: 10.5268
Type of gen. func.: lgdogf

$$-\frac{-1 + 4 x + (16 x^{2} - 12 x + 1)^{1/2}}{2 (16 x^{2} - 12 x + 1)^{1/2} x}$$

Sequence: A078009
Score: 10.7332
Type of gen. func.: ogf

$$-5 f(x)^2 x + 4 f(x) x + f(x) - 1$$

Sequence: A078009
Score: 14.3923
Type of gen. func.: revogf

$$-\frac{5 x^2 - x}{-4 x + 1}$$

Sequence: A078009
Score: 36.5342
Type of gen. func.: revogf

$$\frac{x (5 x - 1)}{-1 + 4 x}$$

Sequence: A078010
Score: 11.2935
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 5 x^2 - 2 x}{2 x^4 - x^3 - 2 x + 1}$$

Sequence: A078010
Score: 14.4897
Type of gen. func.: ogf

$$\frac{x - 1}{(2 x - 1) (x^2 + x + 1)}$$

Sequence: A078010
Score: 18.4705
Type of gen. func.: lgdogf

$$-\frac{x (4 x^2 - 5 x - 2)}{(x - 1) (2 x - 1) (x^2 + x + 1)}$$

Sequence: A078010
Score: 6.91852
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) - 2 a(n), a(0) = 1, a(1) = 0, a(2) = 1\}$$

Sequence: A078010
Score: 9.48093
Type of gen. func.: ogf

$$-2 f(x) x^3 - f(x) x^2 - f(x) x + f(x) + x - 1$$

Sequence: A078011
Score: 12.5536
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 7 x^2 + 2 x}{2 x^4 - 3 x^3 + 2 x - 1}$$

Sequence: A078011
Score: 16.1065
Type of gen. func.: ogf

$$-\frac{x - 1}{2 x^3 - x^2 - x + 1}$$

Sequence: A078011
Score: 24.9836

Type of gen. func.: lgdogf

$$-\frac{x\,(4\,x^{2} - 7\,x + 2)}{(x - 1)\,(2\,x^{3} - x^{2} - x + 1)}$$

Sequence: A078011
Score: 7.69047
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - 2\,a(n),\ a(0) = 1,\ a(1) = 0,\ a(2) = 1\}$$

Sequence: A078011
Score: 7.97797
Type of gen. func.: ogf

$$-(5\,f(x) - 6)\,(2\,f(x)\,x^{3} - f(x)\,x^{2} - f(x)\,x + f(x) + x - 1)$$

Sequence: A078012
Score: 11.8178
Type of gen. func.: lgdogf

$$-\frac{-2\,x^{3} + 3\,x^{2}}{-x^{4} + x^{3} - x^{2} + 2\,x - 1}$$

Sequence: A078012
Score: 13.5061
Type of gen. func.: ogf

$$f(x)\,x^{3} + f(x)\,x - f(x) - x + 1$$

Sequence: A078012
Score: 18.9085
Type of gen. func.: ogf

$$\frac{x - 1}{{}^{3}}$$

$$x + x - 1$$

Sequence: A078012
Score: 30.1137
Type of gen. func.: lgdogf

$$-\frac{x^2 (2 x - 3)}{(x - 1) (x^3 + x - 1)}$$

Sequence: A078012
Score: 9.24873
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$$

Sequence: A078013
Score: 12.6585
Type of gen. func.: lgdogf

$$-\frac{-2 x^3 + 3 x^2}{-x^4 + x^3 + x^2 - 2 x + 1}$$

Sequence: A078013
Score: 14.4669
Type of gen. func.: ogf

$$f(x) x^3 - f(x) x + f(x) + x - 1$$

Sequence: A078013
Score: 20.2536
Type of gen. func.: ogf

$$-\frac{x - 1}{x^3 - x + 1}$$

Sequence: A078013
Score: 37.0714
Type of gen. func.: lgdogf

$$-\frac{x^2 (2 x - 3)}{(x - 1) (x^3 - x + 1)}$$

Sequence: A078013
Score: 9.90667
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) - a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$$

Sequence: A078014
Score: 11.7643
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 + 6 x^2}{-2 x^4 + 2 x^3 + x^2 - 2 x + 1}$$

Sequence: A078014
Score: 13.445
Type of gen. func.: ogf

$$2 f(x) x^3 - f(x) x + f(x) + x - 1$$

Sequence: A078014
Score: 18.8230
Type of gen. func.: ogf

$$-\frac{x - 1}{(x + 1) (2 x^2 - 2 x + 1)}$$

Sequence: A078014
Score: 23.1972

Type of gen. func.: lgdogf

$$-\frac{2 x^{2} (2 x - 3)}{(x - 1) (x + 1) (2 x^{2} - 2 x + 1)}$$

Sequence: A078014
Score: 9.20688
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) - 2 a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$$

Sequence: A078015
Score: 10.5854
Type of gen. func.: ogf

$$2 f(x) x^{3} - f(x) x^{2} + f(x) x - f(x) - x + 1$$

Sequence: A078015
Score: 11.2818
Type of gen. func.: lgdogf

$$-\frac{-4 x^{3} + 7 x^{2} - 2 x}{-2 x^{4} + 3 x^{3} - 2 x^{2} + 2 x - 1}$$

Sequence: A078015
Score: 16.1777
Type of gen. func.: ogf

$$\frac{x - 1}{2 x^{3} - x^{2} + x - 1}$$

Sequence: A078015
Score: 22.7716
Type of gen. func.: lgdogf

2

$$-\frac{x(4x - 7x + 2)}{(x - 1)(2x^3 - x^2 + x - 1)}$$

Sequence: A078015
Score: 7.72450
Type of gen. func.: ogf

$\{a(n + 3) - a(n + 2) + a(n + 1) - 2a(n), a(0) = 1, a(1) = 0, a(2) = -1\}$

Sequence: A078016
Score: 12.4195
Type of gen. func.: lgdogf

$$-\frac{-2x^3 + 2x^2 + 2x}{-x^4 + 2x^2 - 2x + 1}$$

Sequence: A078016
Score: 15.9344
Type of gen. func.: ogf

$$-\frac{x - 1}{x^3 + x^2 - x + 1}$$

Sequence: A078016
Score: 26.3532
Type of gen. func.: lgdogf

$$-\frac{2x(x^2 - x - 1)}{(x - 1)(x^3 + x^2 - x + 1)}$$

Sequence: A078016
Score: 7.60833
Type of gen. func.: ogf

$\{-a(n + 3) + a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 0, a(2) = -1\}$

Sequence: A078016
Score: 7.74794
Type of gen. func.: ogf

$$-(12 f(x) - 11) (f(x) x^3 + f(x) x^2 - f(x) x + f(x) + x - 1)$$

Sequence: A078017
Score: 10.7704
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 + 5 x^2 + 2 x}{-2 x^4 + x^3 + 2 x^2 - 2 x + 1}$$

Sequence: A078017
Score: 15.4443
Type of gen. func.: ogf

$$-\frac{x - 1}{2 x^3 + x^2 - x + 1}$$

Sequence: A078017
Score: 22.7135
Type of gen. func.: lgdogf

$$-\frac{x (4 x^2 - 5 x - 2)}{(x - 1) (2 x^3 + x^2 - x + 1)}$$

Sequence: A078017
Score: 7.37432
Type of gen. func.: ogf

$\{-a(n + 3) + a(n + 2) - a(n + 1) - 2 a(n), a(0) = 1, a(1) = 0, a(2) = -1\}$

Sequence: A078017
Score: 7.50963
Type of gen. func.: ogf

$$-(59 f(x) - 58) (2 f(x) x^3 + f(x) x^2 - f(x) x + f(x) + x - 1)$$

Sequence: A078018
Score: 13.3446
Type of gen. func.: revogf

$$-\frac{6 x^2 - x}{-5 x + 1}$$

Sequence: A078018
Score: 31.9545
Type of gen. func.: revogf

$$\frac{x (-1 + 6 x)}{5 x - 1}$$

Sequence: A078018
Score: 9.91690
Type of gen. func.: lgdogf

$$-\frac{5 x - 1 + (25 x^2 - 14 x + 1)^{1/2}}{2 (25 x^2 - 14 x + 1)^{1/2} x}$$

Sequence: A078018
Score: 9.95192
Type of gen. func.: ogf

$$-6 f(x)^2 x + 5 f(x) x + f(x) - 1$$

Sequence: A078019
Score: 11.5886
Type of gen. func.: lgdogf

$$-\frac{2x^3 - 5x^2 + 4x}{x^4 - 3x^3 + 3x^2 - 2x + 1}$$

Sequence: A078019
Score: 16.6175
Type of gen. func.: ogf

$$\frac{x - 1}{x^3 - 2x^2 + x - 1}$$

Sequence: A078019
Score: 25.4534
Type of gen. func.: lgdogf

$$-\frac{x(2x^2 - 5x + 4)}{(x - 1)(x^3 - 2x^2 + x - 1)}$$

Sequence: A078019
Score: 7.93450
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) - 2 a(n + 1) + a(n), a(0) = 1, a(1) = 0, a(2) = -2\}$$

Sequence: A078019
Score: 8.00663
Type of gen. func.: ogf

$$-(49 f(x) - 113) (f(x) x^3 - 2 f(x) x^2 + f(x) x - f(x) - x + 1)$$

Sequence: A078020
Score: 10.7424
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) - 2 a(n), a(0) = 1, a(1) = 0\}$$

Sequence: A078020
Score: 13.8116
Type of gen. func.: ogf

$$2 f(x) x^2 - f(x) x + f(x) + x - 1$$

Sequence: A078020
Score: 14.5022
Type of gen. func.: lgdogf

$$-\frac{-2 x^2 + 4 x}{-2 x^3 + 3 x^2 - 2 x + 1}$$

Sequence: A078020
Score: 19.3363
Type of gen. func.: ogf

$$-\frac{x - 1}{2 x^2 - x + 1}$$

Sequence: A078020
Score: 24.1868
Type of gen. func.: revogf

$$-\frac{-1 - x + (-7 x^2 - 2 x + 1)^{1/2}}{2 (2 x + 1)}$$

Sequence: A078020
Score: 33.6888
Type of gen. func.: lgdogf

$$-\frac{2 x (x - 2)}{(x - 1) (2 x^2 - x + 1)}$$

Sequence: A078021
Score: 11.1638
Type of gen. func.: lgdogf

$$-\frac{-2x^3+x^2+4x}{-x^4-x^3+3x^2-2x+1}$$

Sequence: A078021
Score: 16.0085
Type of gen. func.: ogf

$$-\frac{x-1}{x^3+2x^2-x+1}$$

Sequence: A078021
Score: 24.6484
Type of gen. func.: lgdogf

$$-\frac{x(2x^2-x-4)}{(x-1)(x^3+2x^2-x+1)}$$

Sequence: A078021
Score: 7.64370
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+2)-2a(n+1)-a(n), a(0)=1, a(1)=0, a(2)=-2\}$$

Sequence: A078021
Score: 7.71319
Type of gen. func.: ogf

$$-(153 f(x)-89)(f(x) x^3+2 f(x) x^2-f(x) x+f(x)+x-1)$$

Sequence: A078022
Score: 11.6082
Type of gen. func.: lgdogf

$$-\frac{-4x^{3}+4x^{2}+4x}{-2x^{4}+3x^{2}-2x+1}$$

Sequence: A078022
Score: 14.8935
Type of gen. func.: ogf

$$-\frac{x-1}{2x^{3}+2x^{2}-x+1}$$

Sequence: A078022
Score: 7.11132
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+2)-2a(n+1)-2a(n),\ a(0)=1,\ a(1)=0,\ a(2)=-2\}$$

Sequence: A078022
Score: 9.74514
Type of gen. func.: ogf

$$-2f(x)x^{3}-2f(x)x^{2}+f(x)x-f(x)-x+1$$

Sequence: A078023
Score: 11.0416
Type of gen. func.: lgdogf

$$-\frac{-4x^{3}+4x^{2}+4x-1}{-2x^{4}+2x^{2}+x-1}$$

Sequence: A078023
Score: 16.2243
Type of gen. func.: ogf

$$\frac{x-1}{{}^{3}\qquad{}^{2}}$$

$$2 x + 2 x - 1$$

Sequence: A078023
Score: 18.7539
Type of gen. func.: lgdogf

$$-\frac{4 x^{3} - 4 x^{2} - 4 x + 1}{(x - 1) (2 x^{3} + 2 x^{2} - 1)}$$

Sequence: A078023
Score: 8.45737
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 1) - 2 a(n), a(0) = 1, a(1) = -1, a(2) = 2\}$$

Sequence: A078023
Score: 8.83325
Type of gen. func.: ogf

$$-(f(x) - 13) (2 f(x) x^{3} + 2 f(x) x^{2} - f(x) - x + 1)$$

Sequence: A078024
Score: 10.6724
Type of gen. func.: lgdogf

$$-\frac{2 x^{3} - x^{2} - 4 x + 1}{x^{4} + x^{3} - 2 x^{2} - x + 1}$$

Sequence: A078024
Score: 17.4243
Type of gen. func.: ogf

$$\frac{x - 1}{(x + 1) (x^{2} + x - 1)}$$

Sequence: A078024
Score: 21.2508
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - x^2 - 4 x + 1}{(x - 1) (x + 1) (x^2 + x - 1)}$$

Sequence: A078024
Score: 9.08289
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 1) - a(n), a(0) = 1, a(1) = -1, a(2) = 2\}$$

Sequence: A078024
Score: 9.38233
Type of gen. func.: ogf

$$-(11 f(x) + 13) (f(x) x^3 + 2 f(x) x^2 - f(x) - x + 1)$$

Sequence: A078025
Score: 16.2123
Type of gen. func.: ogf

$$-\frac{x - 1}{2 x^3 - 2 x^2 + 1}$$

Sequence: A078025
Score: 8.45109
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 1) - 2 a(n), a(0) = 1, a(1) = -1, a(2) = 2\}$$

Sequence: A078025
Score: 8.92586
Type of gen. func.: ogf

3 2

$$-(f(x) - 1) (2 f(x) x - 2 f(x) x + f(x) + x - 1)$$

Sequence: A078025
Score: 9.93002
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 + 8 x^2 - 4 x + 1}{-2 x^4 + 4 x^3 - 2 x^2 - x + 1}$$

Sequence: A078026
Score: 10.3256
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 + 5 x^2 + 2 x - 1}{-2 x^4 + x^3 + x^2 + x - 1}$$

Sequence: A078026
Score: 16.8581
Type of gen. func.: ogf

$$\frac{x - 1}{2 x^3 + x^2 - 1}$$

Sequence: A078026
Score: 20.4608
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 5 x^2 - 2 x + 1}{(x - 1) (2 x^3 + x^2 - 1)}$$

Sequence: A078026
Score: 8.78771
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1) + 2 a(n), a(0) = 1, a(1) = -1, a(2) = 1\}$$

Sequence: A078026
Score: 9.71819
Type of gen. func.: ogf

$$(3 f(x) - 4) (2 f(x) x^3 + f(x) x^2 - f(x) - x + 1)$$

Sequence: A078027
Score: 11.7453
Type of gen. func.: lgdogf

$$- \frac{-2 x^3 + 2 x^2 + 2 x - 1}{-x^4 + x^2 + x - 1}$$

Sequence: A078027
Score: 17.2584
Type of gen. func.: ogf

$$\frac{x - 1}{x^3 + x^2 - 1}$$

Sequence: A078027
Score: 22.2543
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 2 x^2 - 2 x + 1}{(x - 1) (x^3 + x^2 - 1)}$$

Sequence: A078027
Score: 8.99643
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 1) - a(n), a(0) = 1, a(1) = -1, a(2) = 1\}$$

Sequence: A078027
Score: 9.50185
Type of gen. func.: ogf

$$-(f(x) - 3) (f(x) x^3 + f(x) x^2 - f(x) - x + 1)$$

Sequence: A078028
Score: 10.6254
Type of gen. func.: lgdogf

$$- \frac{-4 x^3 + 7 x^2 - 2 x + 1}{-2 x^4 + 3 x^3 - x^2 - x + 1}$$

Sequence: A078028
Score: 17.3476
Type of gen. func.: ogf

$$- \frac{x - 1}{2 x^3 - x^2 + 1}$$

Sequence: A078028
Score: 22.2920
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 7 x^2 + 2 x - 1}{(x - 1) (2 x^3 - x^2 + 1)}$$

Sequence: A078028
Score: 9.04288
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1) - 2 a(n), a(0) = 1, a(1) = -1, a(2) = 1\}$$

Sequence: A078028
Score: 9.55091
Type of gen. func.: ogf

$$-(f(x) - 4) (2 f(x) x^3 - f(x) x^2 + f(x) + x - 1)$$

Sequence: A078029
Score: 10.8637
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n), a(0) = 1, a(1) = -1, a(2) = 0\}$$

Sequence: A078029
Score: 11.9820
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 6 x^2 + 1}{2 x^4 - 2 x^3 - x + 1}$$

Sequence: A078029
Score: 12.1608
Type of gen. func.: ogf

$$(2 f(x) - 3) (2 f(x) x^3 - f(x) - x + 1)$$

Sequence: A078029
Score: 19.8725
Type of gen. func.: ogf

$$\frac{x - 1}{2 x^3 - 1}$$

Sequence: A078029
Score: 25.3203
Type of gen. func.: lgdogf

$$-\frac{(2 x - 1) (2 x^2 - 2 x - 1)}{(x - 1) (2 x^3 - 1)}$$

Sequence: A078030
Score: 10.8637
Type of gen. func.: ogf

$$\{a(n + 3) + 2 a(n), a(0) = 1, a(1) = -1, a(2) = 0\}$$

Sequence: A078030
Score: 11.9820
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 6 x^2 - 1}{2 x^4 - 2 x^3 + x - 1}$$

Sequence: A078030
Score: 18.1061
Type of gen. func.: ogf

$$-2 f(x) x^3 - f(x) - x + 1$$

Sequence: A078030
Score: 19.8725
Type of gen. func.: ogf

$$- \frac{x - 1}{2 x^3 + 1}$$

Sequence: A078030
Score: 29.1567
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 6 x^2 - 1}{(x - 1) (2 x^3 + 1)}$$

Sequence: A078031
Score: 11.2132
Type of gen. func.: lgdogf

$$-\frac{2x^3-4x^2+2x+1}{x^4-2x^3+x^2-x+1}$$

Sequence: A078031
Score: 18.3073
Type of gen. func.: ogf

$$\frac{x-1}{x^3-x^2-1}$$

Sequence: A078031
Score: 26.3967
Type of gen. func.: lgdogf

$$-\frac{2x^3-4x^2+2x+1}{(x-1)(x^3-x^2-1)}$$

Sequence: A078031
Score: 9.4549
Type of gen. func.: ogf

$$(19 f(x) + 2) (f(x) x^3 - f(x) x^2 - f(x) - x + 1)$$

Sequence: A078031
Score: 9.54318
Type of gen. func.: ogf

$$\{a(n + 3) + a(n + 1) - a(n), a(0) = 1, a(1) = -1, a(2) = -1\}$$

Sequence: A078032
Score: 12.3459
Type of gen. func.: lgdogf

$$-\frac{2x^3 - 2x^2 - 2x - 1}{x^4 - x^2 + x - 1}$$

Sequence: A078032
Score: 18.1409
Type of gen. func.: ogf

$$-\frac{x - 1}{x^3 + x^2 + 1}$$

Sequence: A078032
Score: 26.0748
Type of gen. func.: lgdogf

$$-\frac{2x^3 - 2x^2 - 2x - 1}{(x - 1)(x^3 + x^2 + 1)}$$

Sequence: A078032
Score: 9.45643
Type of gen. func.: ogf

$$\{a(n + 3) + a(n + 1) + a(n), a(0) = 1, a(1) = -1, a(2) = -1\}$$

Sequence: A078032
Score: 9.98768
Type of gen. func.: ogf

$$-(f(x) - 1)(f(x)x^3 + f(x)x^2 + f(x) + x - 1)$$

Sequence: A078033
Score: 10.6360
Type of gen. func.: lgdogf

$$4x^3 - 5x^2 - 2x - 1$$

$$- \frac{}{2 x^4 - x^3 - x^2 + x - 1}$$

Sequence: A078033
Score: 11.0504
Type of gen. func.: ogf

$$f(x) (2 f(x) x^3 + f(x) x^2 + f(x) + x - 1)$$

Sequence: A078033
Score: 17.3650
Type of gen. func.: ogf

$$- \frac{x - 1}{(x + 1) (2 x^2 - x + 1)}$$

Sequence: A078033
Score: 20.6197
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 5 x^2 - 2 x - 1}{(x - 1) (x + 1) (2 x^2 - x + 1)}$$

Sequence: A078033
Score: 9.05195
Type of gen. func.: ogf

$$\{a(n + 3) + a(n + 1) + 2 a(n), a(0) = 1, a(1) = -1, a(2) = -1\}$$

Sequence: A078034
Score: 10.4908
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 8 x^2 + 4 x + 1}{2 x^4 - 4 x^3 + 2 x^2 - x + 1}$$

Sequence: A078034
Score: 17.1279
Type of gen. func.: ogf

$$\frac{x - 1}{2 x^{3} - 2 x^{2} - 1}$$

Sequence: A078034
Score: 21.4857
Type of gen. func.: lgdogf

$$- \frac{4 x^{3} - 8 x^{2} + 4 x + 1}{(x - 1) (2 x^{3} - 2 x^{2} - 1)}$$

Sequence: A078034
Score: 8.92837
Type of gen. func.: ogf

$$\{a(n + 3) + 2 a(n + 1) - 2 a(n), a(0) = 1, a(1) = -1, a(2) = -2\}$$

Sequence: A078034
Score: 9.32519
Type of gen. func.: ogf

$$-(57 f(x) - 1) (2 f(x) x^{3} - 2 f(x) x^{2} - f(x) - x + 1)$$

Sequence: A078035
Score: 10.5011
Type of gen. func.: lgdogf

$$- \frac{2 x^{3} - 5 x^{2} + 4 x + 1}{x^{4} - 3 x^{3} + 2 x^{2} - x + 1}$$

Sequence: A078035
Score: 17.1447
Type of gen. func.: ogf

$$\frac{x - 1}{x^3 - 2 x^2 - 1}$$

Sequence: A078035
Score: 22.7997
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 5 x^2 + 4 x + 1}{(x - 1) (x^3 - 2 x^2 - 1)}$$

Sequence: A078035
Score: 8.93713
Type of gen. func.: ogf

$$\{a(n + 3) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = -1, a(2) = -2\}$$

Sequence: A078035
Score: 9.13141
Type of gen. func.: ogf

$$-(121 f(x) + 19) (f(x) x^3 - 2 f(x) x^2 - f(x) - x + 1)$$

Sequence: A078036
Score: 10.5484
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - x^2 - 4 x - 1}{x^4 + x^3 - 2 x^2 + x - 1}$$

Sequence: A078036
Score: 17.2219
Type of gen. func.: ogf

$$-\frac{x - 1}{x^3 + 2 x^2 + 1}$$

Sequence: A078036
Score: 22.7997
Type of gen. func.: lgdogf

$$-\frac{(x + 1) (2 x^2 - 3 x - 1)}{(x - 1) (x^3 + 2 x^2 + 1)}$$

Sequence: A078036
Score: 8.97738
Type of gen. func.: ogf

$$\{a(n + 3) + 2 a(n + 1) + a(n), a(0) = 1, a(1) = -1, a(2) = -2\}$$

Sequence: A078036
Score: 9.27334
Type of gen. func.: ogf

$$-(69 f(x) - 49) (f(x) x^3 + 2 f(x) x^2 + f(x) + x - 1)$$

Sequence: A078037
Score: 11.4502
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 4 x^2 - 4 x - 1}{2 x^4 - 2 x^2 + x - 1}$$

Sequence: A078037
Score: 13.0859
Type of gen. func.: ogf

$$2 f(x) x^3 + 2 f(x) x^2 + f(x) + x - 1$$

Sequence: A078037
Score: 16.8248
Type of gen. func.: ogf

$$-\frac{x - 1}{2 x^3 + 2 x^2 + 1}$$

Sequence: A078037
Score: 20.7269
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 4 x^2 - 4 x - 1}{(x - 1) (2 x^3 + 2 x^2 + 1)}$$

Sequence: A078037
Score: 8.77035
Type of gen. func.: ogf

{a(n + 3) + 2 a(n + 1) + 2 a(n), a(0) = 1, a(1) = -1, a(2) = -2}

Sequence: A078038
Score: 11.0228
Type of gen. func.: lgdogf

$$-\frac{-2 x^3 + x^2 + 4 x - 2}{-x^4 - x^3 + 3 x^2 - 1}$$

Sequence: A078038
Score: 15.8063
Type of gen. func.: ogf

$$\frac{x - 1}{x^3 + 2 x^2 - x - 1}$$

Sequence: A078038
Score: 23.3760
Type of gen. func.: lgdogf

$$-\frac{(2x-1)(x^2-2)}{(x-1)(x^3+2x^2-x-1)}$$

Sequence: A078038
Score: 7.47976
Type of gen. func.: ogf

$$\{a(n+3)+a(n+2)-2a(n+1)-a(n),\ a(0)=1,\ a(1)=-2,\ a(2)=4\}$$

Sequence: A078038
Score: 7.82928
Type of gen. func.: ogf

$$-(f(x)+1)(f(x)x^3+2f(x)x^2-f(x)x-f(x)-x+1)$$

Sequence: A078039
Score: 10.9503
Type of gen. func.: lgdogf

$$-\frac{-2x^3+5x^2-4x+2}{-x^4+3x^3-3x^2+1}$$

Sequence: A078039
Score: 15.7023
Type of gen. func.: ogf

$$-\frac{x-1}{x^3-2x^2+x+1}$$

Sequence: A078039
Score: 20.4201

Type of gen. func.: lgdogf

$$-\frac{2 x^{3} - 5 x^{2} + 4 x - 2}{(x - 1) (x^{3} - 2 x^{2} + x + 1)}$$

Sequence: A078039
Score: 7.43054
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = -2, a(2) = 4\}$$

Sequence: A078039
Score: 7.77777
Type of gen. func.: ogf

$$-(3 f(x) - 1) (f(x) x^{3} - 2 f(x) x^{2} + f(x) x + f(x) + x - 1)$$

Sequence: A078040
Score: 10.3060
Type of gen. func.: lgdogf

$$-\frac{-4 x^{3} + 8 x^{2} - 4 x + 2}{-2 x^{4} + 4 x^{3} - 3 x^{2} + 1}$$

Sequence: A078040
Score: 14.7784
Type of gen. func.: ogf

$$-\frac{x - 1}{2 x^{3} - 2 x^{2} + x + 1}$$

Sequence: A078040
Score: 17.5499
Type of gen. func.: lgdogf

3 2

$$-\frac{2 (2 x - 4 x + 2 x - 1)}{(x - 1) (2 x^3 - 2 x^2 + x + 1)}$$

Sequence: A078040
Score: 6.99337
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) + 2 a(n + 1) - 2 a(n), a(0) = 1, a(1) = -2, a(2) = 4\}$$

Sequence: A078040
Score: 7.32015
Type of gen. func.: ogf

$$-(2 f(x) - 1) (2 f(x) x^3 - 2 f(x) x^2 + f(x) x + f(x) + x - 1)$$

Sequence: A078041
Score: 11.3816
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 + 5 x^2 + 2 x - 2}{-2 x^4 + x^3 + 2 x^2 - 1}$$

Sequence: A078041
Score: 16.3208
Type of gen. func.: ogf

$$\frac{x - 1}{2 x^3 + x^2 - x - 1}$$

Sequence: A078041
Score: 22.5612
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 5 x^2 - 2 x + 2}{(x - 1) (2 x^3 + x^2 - x - 1)}$$

Sequence: A078041
Score: 7.72324
Type of gen. func.: ogf

$$\{-a(n+3) - a(n+2) + a(n+1) + 2\,a(n),\ a(0) = 1,\ a(1) = -2,\ a(2) = 3\}$$

Sequence: A078041
Score: 8.23811
Type of gen. func.: ogf

$$(31\,f(x) - 16)\,(2\,f(x)\,x^3 + f(x)\,x^2 - f(x)\,x - f(x) - x + 1)$$

Sequence: A078042
Score: 11.1653
Type of gen. func.: lgdogf

$$-\frac{-2\,x^3 + 4\,x^2 - 2\,x + 2}{-x^4 + 2\,x^3 - 2\,x^2 + 1}$$

Sequence: A078042
Score: 16.0107
Type of gen. func.: ogf

$$-\frac{x - 1}{x^3 - x^2 + x + 1}$$

Sequence: A078042
Score: 23.0543
Type of gen. func.: lgdogf

$$-\frac{2\,(x^3 - 2\,x^2 + x - 1)}{(x - 1)\,(x^3 - x^2 + x + 1)}$$

Sequence: A078042
Score: 7.57648
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = -2, a(2) = 3\}$$

Sequence: A078042
Score: 7.93052
Type of gen. func.: ogf

$$(222 f(x) + 157) (f(x) x^3 - f(x) x^2 + f(x) x + f(x) + x - 1)$$

Sequence: A078043
Score: 10.2543
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 7 x^2 + 2 x - 2}{2 x^4 - 3 x^3 + 2 x^2 - 1}$$

Sequence: A078043
Score: 14.7043
Type of gen. func.: ogf

$$- \frac{x - 1}{(2 x + 1) (x^2 - x + 1)}$$

Sequence: A078043
Score: 6.95827
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) + a(n + 1) - 2 a(n), a(0) = 1, a(1) = -2, a(2) = 3\}$$

Sequence: A078043
Score: 7.42215
Type of gen. func.: ogf

$$(41 f(x) - 56) (2 f(x) x^3 - f(x) x^2 + f(x) x + f(x) + x - 1)$$

Sequence: A078044
Score: 10.3931
Type of gen. func.: ogf

$$f(x) (2 f(x) x^3 + f(x) x + f(x) + x - 1)$$

Sequence: A078044
Score: 11.1149
Type of gen. func.: lgdogf

$$- \frac{-4 x^3 + 6 x^2 + 2}{-2 x^4 + 2 x^3 - x^2 + 1}$$

Sequence: A078044
Score: 17.7838
Type of gen. func.: ogf

$$- \frac{x - 1}{2 x^3 + x + 1}$$

Sequence: A078044
Score: 23.1036
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^3 - 3 x^2 - 1)}{(x - 1) (2 x^3 + x + 1)}$$

Sequence: A078044
Score: 8.51351
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) - 2 a(n), a(0) = 1, a(1) = -2, a(2) = 2\}$$

Sequence: A078045
Score: 12.0145
Type of gen. func.: lgdogf

$$-\frac{4x^3 - 7x^2 + 2x + 2}{2x^4 - 3x^3 + 1}$$

Sequence: A078045
Score: 15.4148
Type of gen. func.: ogf

$$\frac{x - 1}{2x^3 - x^2 - x - 1}$$

Sequence: A078045
Score: 20.7783
Type of gen. func.: lgdogf

$$-\frac{4x^3 - 7x^2 + 2x + 2}{(x - 1)(2x^3 - x^2 - x - 1)}$$

Sequence: A078045
Score: 7.29451
Type of gen. func.: ogf

$$\{a(n + 3) + a(n + 2) + a(n + 1) - 2 a(n), a(0) = 1, a(1) = -2, a(2) = 1\}$$

Sequence: A078045
Score: 7.49528
Type of gen. func.: ogf

$$-(225 f(x) - 8) (2 f(x) x^3 - f(x) x^2 - f(x) x - f(x) - x + 1)$$

Sequence: A078046
Score: 12.6383
Type of gen. func.: lgdogf

$$-\frac{2x^3-4x^2+2x+2}{x^4-2x^3+1}$$

Sequence: A078046
Score: 16.2152
Type of gen. func.: ogf

$$\frac{x-1}{x^3-x^2-x-1}$$

Sequence: A078046
Score: 24.6534
Type of gen. func.: lgdogf

$$-\frac{2(x^3-2x^2+x+1)}{(x-1)(x^3-x^2-x-1)}$$

Sequence: A078046
Score: 7.67327
Type of gen. func.: ogf

{a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = -2, a(2) = 1}

Sequence: A078046
Score: 8.18482
Type of gen. func.: ogf

$$(74 f(x) + 11) (f(x) x^3 - f(x) x^2 - f(x) x - f(x) - x + 1)$$

Sequence: A078047
Score: 12.5814
Type of gen. func.: lgdogf

$$4x^3-5x^2-2x-2$$

$$-\frac{}{2 x^{4} - x^{3} - 1}$$

Sequence: A078047
Score: 16.1422
Type of gen. func.: ogf

$$-\frac{x - 1}{2 x^{3} + x^{2} + x + 1}$$

Sequence: A078047
Score: 21.6967
Type of gen. func.: lgdogf

$$-\frac{4 x^{3} - 5 x^{2} - 2 x - 2}{(x - 1) (2 x^{3} + x^{2} + x + 1)}$$

Sequence: A078047
Score: 7.63871
Type of gen. func.: ogf

$$\{a(n + 3) + a(n + 2) + a(n + 1) + 2 a(n), a(0) = 1, a(1) = -2, a(2) = 1\}$$

Sequence: A078047
Score: 7.84895
Type of gen. func.: ogf

$$-(41 f(x) - 16) (2 f(x) x^{3} + f(x) x^{2} + f(x) x + f(x) + x - 1)$$

Sequence: A078048
Score: 10.2626
Type of gen. func.: lgdogf

$$-\frac{4 x^{3} - 8 x^{2} + 4 x + 2}{2 x^{4} - 4 x^{3} + x^{2} + 1}$$

Sequence: A078048
Score: 14.7162
Type of gen. func.: ogf

$$\frac{x - 1}{2 x^{3} - 2 x^{2} - x - 1}$$

Sequence: A078048
Score: 18.4471
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^{3} - 4 x^{2} + 2 x + 1)}{(x - 1) (2 x^{3} - 2 x^{2} - x - 1)}$$

Sequence: A078048
Score: 7.02666
Type of gen. func.: ogf

$$\{a(n + 3) + a(n + 2) + 2 a(n + 1) - 2 a(n), a(0) = 1, a(1) = -2, a(2) = 0\}$$

Sequence: A078048
Score: 7.28933
Type of gen. func.: ogf

$$-(9 f(x) - 8) (2 f(x) x^{3} - 2 f(x) x^{2} - f(x) x - f(x) - x + 1)$$

Sequence: A078049
Score: 11.0430
Type of gen. func.: lgdogf

$$-\frac{2 x^{3} - 5 x^{2} + 4 x + 2}{x^{4} - 3 x^{3} + x^{2} + 1}$$

Sequence: A078049
Score: 15.8352
Type of gen. func.: ogf

$$\frac{x - 1}{x^3 - 2 x^2 - x - 1}$$

Sequence: A078049
Score: 21.5741
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 5 x^2 + 4 x + 2}{(x - 1) (x^3 - 2 x^2 - x - 1)}$$

Sequence: A078049
Score: 7.56096
Type of gen. func.: ogf

$$\{a(n + 3) + a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = -2, a(2) = 0\}$$

Sequence: A078049
Score: 7.6997
Type of gen. func.: ogf

$$-(25 f(x) - 22) (f(x) x^3 - 2 f(x) x^2 - f(x) x - f(x) - x + 1)$$

Sequence: A078050
Score: 10.3653
Type of gen. func.: ogf

$$\{-a(n + 2) - a(n + 1) - 2 a(n), a(0) = 1, a(1) = -2\}$$

Sequence: A078050
Score: 14.1660
Type of gen. func.: lgdogf

$$-\frac{-2 x^2 + 4 x + 2}{}$$

$$-2 x^3 + x^2 + 1$$

Sequence: A078050
Score: 18.8880
Type of gen. func.: ogf

$$-\frac{x - 1}{2 x^2 + x + 1}$$

Sequence: A078050
Score: 22.6917
Type of gen. func.: revogf

$$-\frac{x - 1 + (-(x + 1) (7 x - 1))^{1/2}}{2 (2 x + 1)}$$

Sequence: A078050
Score: 28.1927
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 - 2 x - 1)}{(x - 1) (2 x^2 + x + 1)}$$

Sequence: A078050
Score: 9.55009
Type of gen. func.: ogf

$$-(f(x) - 1) (2 f(x) x^2 + f(x) x + f(x) + x - 1)$$

Sequence: A078051
Score: 11.4272
Type of gen. func.: lgdogf

$$-\frac{-2 x^3 + x^2 + 4 x + 2}{{}^{4} \quad {}^{3} \quad {}^{2}}$$

$$-x - x + x + 1$$

Sequence: A078051
Score: 16.3862
Type of gen. func.: ogf

$$-\frac{x - 1}{x^3 + 2 x^2 + x + 1}$$

Sequence: A078051
Score: 23.2813
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - x^2 - 4 x - 2}{(x - 1) (x^3 + 2 x^2 + x + 1)}$$

Sequence: A078051
Score: 7.82404
Type of gen. func.: ogf

$$\{a(n + 3) + a(n + 2) + 2 a(n + 1) + a(n), a(0) = 1, a(1) = -2, a(2) = 0\}$$

Sequence: A078051
Score: 8.27113
Type of gen. func.: ogf

$$(31 f(x) - 58) (f(x) x^3 + 2 f(x) x^2 + f(x) x + f(x) + x - 1)$$

Sequence: A078052
Score: 12.7961
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 + 4 x^2 + 4 x + 2}{-2 x^4 + x^2 + 1}$$

Sequence: A078052
Score: 16.4176
Type of gen. func.: ogf

$$-\frac{x - 1}{(x + 1) (2 x^2 + 1)}$$

Sequence: A078052
Score: 21.0475
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^3 - 2 x^2 - 2 x - 1)}{(x - 1) (x + 1) (2 x^2 + 1)}$$

Sequence: A078052
Score: 7.83905
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) - 2 a(n + 1) - 2 a(n), a(0) = 1, a(1) = -2, a(2) = 0\}$$

Sequence: A078052
Score: 8.13209
Type of gen. func.: ogf

$$-(f(x) - 2) (2 f(x) x^3 + 2 f(x) x^2 + f(x) x + f(x) + x - 1)$$

Sequence: A078053
Score: 10.5815
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 + 4 x^2 + 4 x - 3}{-2 x^4 + 4 x^2 - x - 1}$$

Sequence: A078053
Score: 14.3749

Type of gen. func.: ogf

$$\frac{x - 1}{2 x^3 + 2 x^2 - 2 x - 1}$$

Sequence: A078053
Score: 17.3757
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 4 x^2 - 4 x + 3}{(x - 1) (2 x^3 + 2 x^2 - 2 x - 1)}$$

Sequence: A078053
Score: 6.80240
Type of gen. func.: ogf

{a(n + 3) + 2 a(n + 2) - 2 a(n + 1) - 2 a(n), a(0) = 1, a(1) = -3, a(2) = 8}

Sequence: A078053
Score: 7.12026
Type of gen. func.: ogf

$$-(9 f(x) - 5) (2 f(x) x^3 + 2 f(x) x^2 - 2 f(x) x - f(x) - x + 1)$$

Sequence: A078054
Score: 14.6128
Type of gen. func.: ogf

$$-\frac{x - 1}{x^3 - 2 x^2 + 2 x + 1}$$

Sequence: A078054
Score: 17.9589
Type of gen. func.: lgdogf

$$2 x^3 - 5 x^2 + 4 x - 3$$

$$-\frac{}{(x - 1) (x^3 - 2 x^2 + 2 x + 1)}$$

Sequence: A078054
Score: 6.91499
Type of gen. func.: ogf

$$\{-a(n + 3) - 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = -3, a(2) = 8\}$$

Sequence: A078054
Score: 7.1053
Type of gen. func.: ogf

$$-(39 f(x) - 19) (f(x) x^3 - 2 f(x) x^2 + 2 f(x) x + f(x) + x - 1)$$

Sequence: A078054
Score: 9.68099
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 5 x^2 + 4 x - 3}{x^4 - 3 x^3 + 4 x^2 - x - 1}$$

Sequence: A078055
Score: 14.9940
Type of gen. func.: ogf

$$-\frac{x - 1}{2 x^3 - 2 x^2 + 2 x + 1}$$

Sequence: A078055
Score: 17.6246
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 8 x^2 + 4 x - 3}{(x - 1) (2 x^3 - 2 x^2 + 2 x + 1)}$$

Sequence: A078055
Score: 7.09538
Type of gen. func.: ogf

$$\{-a(n + 3) - 2 a(n + 2) + 2 a(n + 1) - 2 a(n), a(0) = 1, a(1) = -3, a(2) = 8\}$$

Sequence: A078055
Score: 7.5684
Type of gen. func.: ogf

$$(31 f(x) - 23) (2 f(x) x^3 - 2 f(x) x^2 + 2 f(x) x + f(x) + x - 1)$$

Sequence: A078055
Score: 9.93354
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 8 x^2 + 4 x - 3}{2 x^4 - 4 x^3 + 4 x^2 - x - 1}$$

Sequence: A078056
Score: 11.0711
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 2 x^2 - 2 x + 3}{x^4 - 3 x^2 + x + 1}$$

Sequence: A078056
Score: 15.0400
Type of gen. func.: ogf

$$\frac{x - 1}{x^3 + x^2 - 2 x - 1}$$

Sequence: A078056
Score: 19.9693
Type of gen. func.: lgdogf

$$-\frac{2 x^{3} - 2 x^{2} - 2 x + 3}{(x - 1) (x^{3} + x^{2} - 2 x - 1)}$$

Sequence: A078056
Score: 7.11714
Type of gen. func.: ogf

$$\{-a(n + 3) - 2 a(n + 2) + a(n + 1) + a(n), a(0) = 1, a(1) = -3, a(2) = 7\}$$

Sequence: A078056
Score: 7.51999
Type of gen. func.: ogf

$$(273 f(x) + 10) (f(x) x^{3} + f(x) x^{2} - 2 f(x) x - f(x) - x + 1)$$

Sequence: A078057
Score: 10.2704
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) - a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A078057
Score: 13.1590
Type of gen. func.: lgdogf

$$-\frac{-x^{2} - 2 x - 3}{-x^{3} - 3 x^{2} - x + 1}$$

Sequence: A078057
Score: 18.7150
Type of gen. func.: ogf

```
   x + 1
- ------------
```

$$x^2 + 2x - 1$$

Sequence: A078057
Score: 21.7977
Type of gen. func.: revogf

$$\frac{-2x - 1 + (8x^2 + 8x + 1)^{1/2}}{2(x + 1)}$$

Sequence: A078057
Score: 27.6104
Type of gen. func.: lgdogf

$$-\frac{x^2 + 2x + 3}{(x + 1)(x^2 + 2x - 1)}$$

Sequence: A078057
Score: 9.90793
Type of gen. func.: ogf

$$(8 f(x) + 1)(f(x) x^2 + 2 f(x) x - f(x) + x + 1)$$

Sequence: A078058
Score: 14.5032
Type of gen. func.: ogf

$$-\frac{x - 1}{x^3 - x^2 + 2x + 1}$$

Sequence: A078058
Score: 18.7461
Type of gen. func.: lgdogf

$$-\frac{2x^3 - 4x^2 + 2x - 3}{\quad{}^3 \quad {}^2}$$

$$(x - 1) (x - x + 2 x + 1)$$

Sequence: A078058
Score: 6.86313
Type of gen. func.: ogf

$$\{-a(n + 3) - 2 a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = -3, a(2) = 7\}$$

Sequence: A078058
Score: 7.39106
Type of gen. func.: ogf

$$(9 f(x) + 26) (f(x) x^3 - f(x) x^2 + 2 f(x) x + f(x) + x - 1)$$

Sequence: A078058
Score: 9.60839
Type of gen. func.: lgdogf

$$- \frac{-2 x^3 + 4 x^2 - 2 x + 3}{-x^4 + 2 x^3 - 3 x^2 + x + 1}$$

Sequence: A078059
Score: 14.9525
Type of gen. func.: ogf

$$- \frac{x - 1}{2 x^3 - x^2 + 2 x + 1}$$

Sequence: A078059
Score: 18.4421
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 7 x^2 + 2 x - 3}{(x - 1) (2 x^3 - x^2 + 2 x + 1)}$$

Sequence: A078059
Score: 7.07571
Type of gen. func.: ogf

$$\{-a(n + 3) - 2 a(n + 2) + a(n + 1) - 2 a(n), a(0) = 1, a(1) = -3, a(2) = 7\}$$

Sequence: A078059
Score: 7.69397
Type of gen. func.: ogf

$$(f(x) + 7) (2 f(x) x^3 - f(x) x^2 + 2 f(x) x + f(x) + x - 1)$$

Sequence: A078059
Score: 9.90600
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 + 7 x^2 - 2 x + 3}{-2 x^4 + 3 x^3 - 3 x^2 + x + 1}$$

Sequence: A078060
Score: 10.5813
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 6 x^2 + 3}{2 x^4 - 2 x^3 - 2 x^2 + x + 1}$$

Sequence: A078060
Score: 17.8706
Type of gen. func.: ogf

$$\frac{x - 1}{2 x^3 - 2 x - 1}$$

Sequence: A078060
Score: 8.55506

Type of gen. func.: ogf

$$\{a(n + 3) + 2 a(n + 2) - 2 a(n), a(0) = 1, a(1) = -3, a(2) = 6\}$$

Sequence: A078060
Score: 8.74104
Type of gen. func.: ogf

$$-(272 f(x) - 11) (2 f(x) x^3 - 2 f(x) x - f(x) - x + 1)$$

Sequence: A078061
Score: 10.9036
Type of gen. func.: lgdogf

$$-\frac{-2 x^3 + 3 x^2 + 3}{-x^4 + x^3 - 2 x^2 + x + 1}$$

Sequence: A078061
Score: 18.4150
Type of gen. func.: ogf

$$-\frac{x - 1}{x^3 + 2 x + 1}$$

Sequence: A078061
Score: 24.8752
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 3 x^2 - 3}{(x - 1) (x^3 + 2 x + 1)}$$

Sequence: A078061
Score: 8.81567
Type of gen. func.: ogf

$$\{a(n + 3) + 2 a(n + 2) + a(n), a(0) = 1, a(1) = -3, a(2) = 6\}$$

Sequence: A078061
Score: 9.31092
Type of gen. func.: ogf

$$-(7 f(x) - 5) (f(x) x^3 + 2 f(x) x + f(x) + x - 1)$$

Sequence: A078062
Score: 10.1664
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 + 6 x^2 + 3}{-2 x^4 + 2 x^3 - 2 x^2 + x + 1}$$

Sequence: A078062
Score: 17.1700
Type of gen. func.: ogf

$$-\frac{x - 1}{2 x^3 + 2 x + 1}$$

Sequence: A078062
Score: 21.9033
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 6 x^2 - 3}{(x - 1) (2 x^3 + 2 x + 1)}$$

Sequence: A078062
Score: 8.21966
Type of gen. func.: ogf

$$\{a(n + 3) + 2 a(n + 2) + 2 a(n), a(0) = 1, a(1) = -3, a(2) = 6\}$$

Sequence: A078062
Score: 8.98427
Type of gen. func.: ogf

$$(11 f(x) + 7) (2 f(x) x^3 + 2 f(x) x + f(x) + x - 1)$$

Sequence: A078063
Score: 15.0308
Type of gen. func.: ogf

$$\frac{x - 1}{2 x^3 - x^2 - 2 x - 1}$$

Sequence: A078063
Score: 19.4280
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 7 x^2 + 2 x + 3}{(x - 1) (2 x^3 - x^2 - 2 x - 1)}$$

Sequence: A078063
Score: 7.11279
Type of gen. func.: ogf

{a(n + 3) + 2 a(n + 2) + a(n + 1) - 2 a(n), a(0) = 1, a(1) = -3, a(2) = 5}

Sequence: A078063
Score: 7.58697
Type of gen. func.: ogf

$$(141 f(x) + 4) (2 f(x) x^3 - f(x) x^2 - 2 f(x) x - f(x) - x + 1)$$

Sequence: A078063
Score: 9.95790
Type of gen. func.: lgdogf

$$3 \qquad 2$$

```
                             -4 x  + 7 x  - 2 x - 3
                          - -------------------------
                                4      3    2
                            -2 x  + 3 x  + x  - x - 1
```

Sequence: A078064
Score: 10.0450
Type of gen. func.: lgdogf

```
                                 3      2
                             -2 x  + 4 x  - 2 x - 3
                           - -----------------------
                               4      3    2
                             -x  + 2 x  + x  - x - 1
```

Sequence: A078064
Score: 15.1622
Type of gen. func.: ogf

```
                                     x - 1
                               -----------------
                                3    2
                               x  - x  - 2 x - 1
```

Sequence: A078064
Score: 7.17499
Type of gen. func.: ogf

```
   {-a(n + 3) - 2 a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = -3, a(2) = 5}
```

Sequence: A078064
Score: 7.58112
Type of gen. func.: ogf

```
                                3         2
         (191 f(x) + 26) (f(x) x  - f(x) x  - 2 f(x) x - f(x) - x + 1)
```

Sequence: A078065
Score: 11.4346
Type of gen. func.: lgdogf

```
                                  3      2
                              -2 x  + 2 x  + 2 x + 3
                            - ----------------------
                                   4    2
                                 -x  - x  + x + 1
```

Sequence: A078065
Score: 15.5338
Type of gen. func.: ogf

$$-\frac{x-1}{x^3+x^2+2x+1}$$

Sequence: A078065
Score: 20.3219
Type of gen. func.: lgdogf

$$-\frac{2x^3-2x^2-2x-3}{(x-1)(x^3+x^2+2x+1)}$$

Sequence: A078065
Score: 7.35080
Type of gen. func.: ogf

{-a(n + 3) - 2 a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = -3, a(2) = 5}

Sequence: A078065
Score: 7.62305
Type of gen. func.: ogf

$$-(3 f(x) - 26) (f(x) x^3 + f(x) x^2 + 2 f(x) x + f(x) + x - 1)$$

Sequence: A078066
Score: 15.0369
Type of gen. func.: ogf

$$-\frac{x-1}{(2x+1)(x^2+1)}$$

Sequence: A078066
Score: 19.6000
Type of gen. func.: lgdogf

$$-\frac{4x^3 - 5x^2 - 2x - 3}{(x-1)(2x+1)(x^2+1)}$$

Sequence: A078066
Score: 7.11569
Type of gen. func.: ogf

{a(n + 3) + 2 a(n + 2) + a(n + 1) + 2 a(n), a(0) = 1, a(1) = -3, a(2) = 5}

Sequence: A078066
Score: 7.66305
Type of gen. func.: ogf

$$(29 f(x) - 4)(2 f(x) x^3 + f(x) x^2 + 2 f(x) x + f(x) + x - 1)$$

Sequence: A078066
Score: 9.96196
Type of gen. func.: lgdogf

$$-\frac{-4x^3 + 5x^2 + 2x + 3}{-2x^4 + x^3 - x^2 + x + 1}$$

Sequence: A078067
Score: 11.0990
Type of gen. func.: lgdogf

$$-\frac{4x^3 - 8x^2 + 4x + 3}{2x^4 - 4x^3 + x + 1}$$

Sequence: A078067
Score: 15.0778
Type of gen. func.: ogf

$$\frac{x - 1}{2 x^3 - 2 x^2 - 2 x - 1}$$

Sequence: A078067
Score: 18.4629
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 8 x^2 + 4 x + 3}{(x - 1) (2 x^3 - 2 x^2 - 2 x - 1)}$$

Sequence: A078067
Score: 7.13504
Type of gen. func.: ogf

$\{a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - 2 a(n), a(0) = 1, a(1) = -3, a(2) = 4\}$

Sequence: A078067
Score: 7.68389
Type of gen. func.: ogf

$$(15 f(x) + 1) (2 f(x) x^3 - 2 f(x) x^2 - 2 f(x) x - f(x) - x + 1)$$

Sequence: A078068
Score: 11.4486
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 5 x^2 + 4 x + 3}{x^4 - 3 x^3 + x + 1}$$

Sequence: A078068
Score: 15.5528
Type of gen. func.: ogf

x - 1

$$x^3 - 2 x^2 - 2 x - 1$$

Sequence: A078068
Score: 20.0663
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 5 x^2 + 4 x + 3}{(x - 1) (x^3 - 2 x^2 - 2 x - 1)}$$

Sequence: A078068
Score: 7.35983
Type of gen. func.: ogf

$$\{a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = -3, a(2) = 4\}$$

Sequence: A078068
Score: 7.77643
Type of gen. func.: ogf

$$(649 f(x) + 79) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x - f(x) - x + 1)$$

Sequence: A078069
Score: 10.166
Type of gen. func.: ogf

$$(f(x) - 4) (2 f(x) x^2 + 2 f(x) x + f(x) + x - 1)$$

Sequence: A078069
Score: 10.5380
Type of gen. func.: ogf

$$\{a(n + 2) + 2 a(n + 1) + 2 a(n), a(0) = 1, a(1) = -3\}$$

Sequence: A078069
Score: 15.4306
Type of gen. func.: lgdogf

$$-\frac{2 x^2 - 4 x - 3}{2 x^3 - x - 1}$$

Sequence: A078069
Score: 19.2025
Type of gen. func.: ogf

$$-\frac{x - 1}{2 x^2 + 2 x + 1}$$

Sequence: A078069
Score: 22.8400
Type of gen. func.: revogf

$$-\frac{-1 + 2 x + (-4 x^2 - 8 x + 1)^{1/2}}{2 (2 x + 1)}$$

Sequence: A078069
Score: 26.7554
Type of gen. func.: lgdogf

$$-\frac{2 x^2 - 4 x - 3}{(x - 1) (2 x^2 + 2 x + 1)}$$

Sequence: A078070
Score: 12.4020
Type of gen. func.: ogf

$$-\frac{x - 1}{(x^2 + x + 1) (x + 1)}$$

Sequence: A078070
Score: 19.8795

Type of gen. func.: lgdogf

$$-\frac{2 x^3 - x^2 - 4 x - 3}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A078070
Score: 26.2167
Type of gen. func.: ogf_with_Euler_transform]

$$x^2 + x - 3$$

Sequence: A078070
Score: 5.86879
Type of gen. func.: ogf

$$\{-a(n + 3) - 2 a(n + 2) - 2 a(n + 1) - a(n), a(0) = 1, a(1) = -3, a(2) = 4\}$$

Sequence: A078070
Score: 6.26004
Type of gen. func.: ogf

$$(3 f(x) + 109) (f(x) x^3 + 2 f(x) x^2 + 2 f(x) x + f(x) + x - 1)$$

Sequence: A078070
Score: 9.12922
Type of gen. func.: lgdogf

$$-\frac{-2 x^3 + x^2 + 4 x + 3}{-x^4 - x^3 + x + 1}$$

Sequence: A078071
Score: 13.0555
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 4 x^2 - 4 x - 3}{}$$

$$2 x^4 - x - 1$$

Sequence: A078071
Score: 15.7652
Type of gen. func.: ogf

$$- \frac{x - 1}{2 x^3 + 2 x^2 + 2 x + 1}$$

Sequence: A078071
Score: 19.0419
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 4 x^2 - 4 x - 3}{(x - 1) (2 x^3 + 2 x^2 + 2 x + 1)}$$

Sequence: A078071
Score: 7.46029
Type of gen. func.: ogf

$\{-a(n + 3) - 2 a(n + 2) - 2 a(n + 1) - 2 a(n), a(0) = 1, a(1) = -3, a(2) = 4\}$

Sequence: A078071
Score: 7.73661
Type of gen. func.: ogf

$$-(f(x) - 53) (2 f(x) x^3 + 2 f(x) x^2 + 2 f(x) x + f(x) + x - 1)$$

Sequence: A078100
Score: 10.9995
Type of gen. func.: ogf

$$- \frac{4 x^2 - 9 x + 4}{6 x^3 - 15 x^2 + 9 x - 1}$$

Sequence: A078100
Score: 5.45578
Type of gen. func.: ogf

$$-(173391 f(x) + 84176)$$

$$(6 f(x) x^3 - 15 f(x) x^2 + 9 f(x) x + 4 x^2 - f(x) - 9 x + 4)$$

Sequence: A078100
Score: 5.87907
Type of gen. func.: ogf

$$\{-a(n + 3) + 9 a(n + 2) - 15 a(n + 1) + 6 a(n), a(0) = 4, a(1) = 27, a(2) = 187$$

$$\}$$

Sequence: A078100
Score: 9.70717
Type of gen. func.: lgdogf

$$- \frac{24 x^4 - 108 x^3 + 171 x^2 - 112 x + 27}{(4 x^2 - 9 x + 4) (6 x^3 - 15 x^2 + 9 x - 1)}$$

Sequence: A078112
Score: 16.6243
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^5 - 3 x^4 + 6 x^2 - 3 x + 1)}{(x - 1) (x^2 + 1) (2 x^3 - x^2 + 1)}$$

Sequence: A078112
Score: 8.50831
Type of gen. func.: ogf

$$\frac{x (2 x^3 - x^2 + 1)}{(x^2 + 1)^2 (x - 1)^2}$$

Sequence: A078113
Score: 4.47094
Type of gen. func.: ogf

$$-(3394 f(x) + 16541) (2 f(x) x^3 - 2 f(x) x^2 - f(x) x + 3 x^2 + f(x) - 4 x - 2)$$

Sequence: A078113
Score: 4.87014
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - 2 a(n + 1) + 2 a(n), a(0) = 2, a(1) = 6, a(2) = 7}

Sequence: A078113
Score: 8.94190
Type of gen. func.: ogf

$$-\frac{3 x^2 - 4 x - 2}{(x - 1) (2 x^2 - 1)}$$

Sequence: A078126
Score: 12.1225
Type of gen. func.: ogf

$$\frac{x^3 - 2 x^2 - x + 1}{(x + 1) (x - 1)^3}$$

Sequence: A078126
Score: 16.0075
Type of gen. func.: lgdogf

$$-\frac{x^4 - 2 x^3 - 4 x^2 - 2 x + 1}{(x - 1) (x + 1) (x^3 - 2 x^2 - x + 1)}$$

Sequence: A078126
Score: 4.24594
Type of gen. func.: ogf

$$\{(3 n + 13) a(n + 1) + (-2 n - 6) a(n + 2) + (-3 n - 11) a(n + 3) + (2 n + 8) a(n + 4), a(0) = -1, a(1) = -1, a(2) = 0, a(3) = 1\}$$

Sequence: A078126
Score: 6.97043
Type of gen. func.: ogf

$$(8 f(x) - 15) (f(x) x^4 - 2 f(x) x^3 - x^3 + 2 f(x) x + 2 x^2 - f(x) + x - 1)$$

Sequence: A078126
Score: 8.71303
Type of gen. func.: lgdogf

$$- \frac{x^4 - 2 x^3 - 4 x^2 - 2 x + 1}{x^5 - 2 x^4 - 2 x^3 + 3 x^2 + x - 1}$$

Sequence: A078137
Score: 7.75813
Type of gen. func.: ogf

$$- \frac{x^{12} - x^{11} + x^9 - x^8 + 2 x^6 - 2 x^5 + 2 x^4 - 2 x^3 + 3 x^2 - 4}{(x - 1)^2}$$

Sequence: A078191
Score: 6.76976
Type of gen. func.: ogf

$$-(10 f(x) x^2 - 11 f(x) x + f(x) - 1)^2$$

Sequence: A078222
Score: 6.68414
Type of gen. func.: ogf

$$(13 f(x) - 14) (-32 x^4 + 10 f(x) x^2 - 16 x^3 - 12 x^2 - f(x) + 4 x + 2)$$

Sequence: A078222
Score: 8.47106
Type of gen. func.: lgdogf

$$\frac{2 (2 x + 1) (80 x^4 - 20 x^3 - 6 x^2 + 2 x + 1)}{(10 x^2 - 1) (16 x^4 + 8 x^3 + 6 x^2 - 2 x - 1)}$$

Sequence: A078222
Score: 9.39655
Type of gen. func.: ogf

$$\frac{2 (16 x^4 + 8 x^3 + 6 x^2 - 2 x - 1)}{10 x^2 - 1}$$

Sequence: A078226
Score: 15.3268
Type of gen. func.: lgdegf]

$$27 - 27 f(x) + 9 f(x)^2 - f(x)^3$$

Sequence: A078226
Score: 8.34804
Type of gen. func.: ogf

$$-(3 f(x) x - f(x) + 1)^3$$

Sequence: A078227
Score: 7.32473
Type of gen. func.: ogf

$$-(2 f(x) x - f(x) + 2)^3$$

Sequence: A078254
Score: 3.81283
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{3}{2} + \frac{3\,(88\,x^{12} + 1)^{1/2}}{2}$$

Sequence: A078309
Score: 11.8794
Type of gen. func.: lgdogf

$$-\frac{3\,x^5 + 9\,x^4 + 15\,x^3 + 19\,x^2 + 10\,x + 4}{(x - 1)\,(3\,x^3 + 3\,x^2 + 3\,x + 1)\,(x^2 + x + 1)}$$

Sequence: A078309
Score: 12.4610
Type of gen. func.: ogf

$$\frac{3\,x^3 + 3\,x^2 + 3\,x + 1}{(x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A078309
Score: 5.14857
Type of gen. func.: ogf

{(5 n + 16) a(n + 1) + 5 a(n + 2) + 5 a(n + 3) + (-5 n - 11) a(n + 4), a(0) = 1,

a(1) = 4, a(2) = 7, a(3) = 11}

Sequence: A078309
Score: 7.04764
Type of gen. func.: ogf

$$(15\,f(x) + 401)\,(f(x)\,x^4 - f(x)\,x^3 - 3\,x^3 - f(x)\,x - 3\,x^2 + f(x) - 3\,x - 1)$$

Sequence: A078315
Score: 11.6623
Type of gen. func.: ogf

$$\frac{x^{48} - x^{47} + x^{45} - x^{44} + x^{4} - x^{3} - 1}{x - 1}$$

Sequence: A078315
Score: 9.09045
Type of gen. func.: lgdogf

$$(47 x^{48} - 94 x^{47} + 47 x^{46} + 44 x^{45} - 88 x^{44} + 44 x^{43} + 3 x^{4} - 6 x^{3} + 3 x^{2} + 1) / ((x - 1) (x^{48} - x^{47} + x^{45} - x^{44} + x^{4} - x^{3} - 1))$$

Sequence: A078338
Score: 9.71856
Type of gen. func.: ogf

$$- \frac{x^{9} + x^{8} - x^{7} + x^{5} + x^{4} + x^{2} + x + 1}{(x - 1) (x + 1) (x^{2} - x + 1) (x^{6} - x^{3} + 1)}$$

Sequence: A078339
Score: 8.62371
Type of gen. func.: ogf

$$- \frac{3 x^{9} + 2 x^{8} + x^{7} + 2 x^{6} + 2 x^{5} + x^{4} - x + 1}{(x - 1) (x + 1) (x^{2} - x + 1) (x^{6} - x^{3} + 1)}$$

Sequence: A078343
Score: 11.8580
Type of gen. func.: lgdogf

```
                 2
              4 x  - 2 x + 2
          - --------------------
              3      2
```

$$4 x + 7 x - 6 x + 1$$

Sequence: A078343
Score: 16.8647
Type of gen. func.: ogf

$$-\frac{4 x - 1}{x^{2} + 2 x - 1}$$

Sequence: A078343
Score: 18.7152
Type of gen. func.: revogf

$$-\frac{-1 + 2 x + (8 x^{2} + 12 x + 1)^{1/2}}{2 (4 + x)}$$

Sequence: A078343
Score: 21.3889
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^{2} - x + 1)}{(4 x - 1) (x^{2} + 2 x - 1)}$$

Sequence: A078343
Score: 8.92837
Type of gen. func.: ogf

$$(f(x) + 2) (f(x) x^{2} + 2 f(x) x - f(x) + 4 x - 1)$$

Sequence: A078343
Score: 9.25502
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) - a(n), a(0) = -1, a(1) = 2\}$$

Sequence: A078344
Score: 10.4127
Type of gen. func.: ogf

$$\frac{3x^3 + 2x^2 - 1}{x^3 + x^2 + 2x - 1}$$

Sequence: A078344
Score: 11.8457
Type of gen. func.: lgdogf

$$\frac{x^4 + 12x^3 - 2x^2 - 2x + 2}{(3x^3 + 2x^2 - 1)(x^3 + x^2 + 2x - 1)}$$

Sequence: A078344
Score: 5.12748
Type of gen. func.: ogf

$\{a(n + 4) - 2 a(n + 3) - a(n + 2) - a(n + 1), a(0) = 1, a(1) = 2, a(2) = 3,$

$a(3) = 6\}$

Sequence: A078344
Score: 6.97760
Type of gen. func.: lgdogf

$$-\frac{x^4 + 12x^3 - 2x^2 - 2x + 2}{-3x^6 - 5x^5 - 8x^4 + 3x^2 + 2x - 1}$$

Sequence: A078344
Score: 7.2777
Type of gen. func.: ogf

$$-f(x)\,x^3 - f(x)\,x^2 + 3x^3 - 2 f(x)\,x + 2x^2 + f(x) - 1$$

Sequence: A078362
Score: 10.2562
Type of gen. func.: lgdogf

$$-\frac{2 x - 13}{x^{2} - 13 x + 1}$$

Sequence: A078362
Score: 10.9017
Type of gen. func.: revogf

$$-\frac{-1 - 13 x + (15 x + 1)^{1/2} (11 x + 1)^{1/2}}{2 x}$$

Sequence: A078362
Score: 15.0827
Type of gen. func.: ogf

$$\frac{1}{x^{2} - 13 x + 1}$$

Sequence: A078362
Score: 21.8034
Type of gen. func.: lgdogf

$$-\frac{2 x - 13}{x^{2} - 13 x + 1}$$

Sequence: A078362
Score: 6.10489
Type of gen. func.: ogf

$$\{-a(n + 2) + 13 a(n + 1) - a(n), a(0) = 1, a(1) = 13\}$$

Sequence: A078362
Score: 6.1049
Type of gen. func.: ogf

$$(167 f(x) + 2) (f(x) x^2 - 13 f(x) x + f(x) - 1)$$

Sequence: A078363
Score: 13.9704
Type of gen. func.: ogf

$$-\frac{13 x - 2}{x^2 - 13 x + 1}$$

Sequence: A078363
Score: 16.9693
Type of gen. func.: lgdogf

$$-\frac{13 x^2 - 4 x + 13}{(13 x - 2) (x^2 - 13 x + 1)}$$

Sequence: A078363
Score: 6.91168
Type of gen. func.: ogf

$$-(165 f(x) - 161) (f(x) x^2 - 13 f(x) x + f(x) + 13 x - 2)$$

Sequence: A078363
Score: 7.81679
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1) + a(n), a(0) = 2, a(1) = 13\}$$

Sequence: A078363
Score: 9.38014
Type of gen. func.: lgdogf

$$-\frac{-13 x^2 + 4 x - 13}{-13 x^3 + 171 x^2 - 39 x + 2}$$

Sequence: A078364
Score: 13.7814
Type of gen. func.: ogf

$$\frac{1}{x^2 - 15 x + 1}$$

Sequence: A078364
Score: 19.8903
Type of gen. func.: lgdogf

$$-\frac{-15 + 2 x}{x^2 - 15 x + 1}$$

Sequence: A078364
Score: 5.57818
Type of gen. func.: ogf

$$(223 f(x) + 2) (f(x) x^2 - 15 f(x) x + f(x) - 1)$$

Sequence: A078364
Score: 5.57819
Type of gen. func.: ogf

$$\{-a(n + 2) + 15 a(n + 1) - a(n), a(0) = 1, a(1) = 15\}$$

Sequence: A078364
Score: 9.37136
Type of gen. func.: lgdogf

$$-\frac{-15 + 2 x}{x^2 - 15 x + 1}$$

Sequence: A078364
Score: 9.94516

Type of gen. func.: revogf

$$-\frac{-15 x - 1 + (17 x + 1)^{1/2} (1 + 13 x)^{1/2}}{2 x}$$

Sequence: A078365
Score: 12.0389
Type of gen. func.: lgdogf

$$-\frac{15 x^{2} - 4 x + 15}{(15 x - 2) (x^{2} - 15 x + 1)}$$

Sequence: A078365
Score: 4.93229
Type of gen. func.: ogf

$$-(221 f(x) - 217) (f(x) x^{2} - 15 f(x) x + f(x) + 15 x - 2)$$

Sequence: A078365
Score: 5.57819
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1) + a(n), a(0) = 2, a(1) = 15\}$$

Sequence: A078365
Score: 6.69383
Type of gen. func.: lgdogf

$$-\frac{-15 x^{2} + 4 x - 15}{-15 x^{3} + 227 x^{2} - 45 x + 2}$$

Sequence: A078365
Score: 9.96953
Type of gen. func.: ogf

$$15 x - 2$$

$$- \frac{\quad}{x^2 - 15 x + 1}$$

Sequence: A078366
Score: 10.3068
Type of gen. func.: revogf

$$- \frac{-17 x - 1 + (15 x + 1)^{1/2} (19 x + 1)^{1/2}}{2 x}$$

Sequence: A078366
Score: 14.2707
Type of gen. func.: ogf

$$\frac{1}{x^2 - 17 x + 1}$$

Sequence: A078366
Score: 20.6136
Type of gen. func.: lgdogf

$$- \frac{-17 + 2 x}{x^2 - 17 x + 1}$$

Sequence: A078366
Score: 5.77623
Type of gen. func.: ogf

$$(287 f(x) + 2) (f(x) x^2 - 17 f(x) x + f(x) - 1)$$

Sequence: A078366
Score: 5.77623
Type of gen. func.: ogf

{-a(n + 2) + 17 a(n + 1) - a(n), a(0) = 1, a(1) = 17}

Sequence: A078366
Score: 9.70406
Type of gen. func.: lgdogf

$$-\frac{-17+2x}{x^2-17x+1}$$

Sequence: A078367
Score: 10.3235
Type of gen. func.: ogf

$$-\frac{17x-2}{x^2-17x+1}$$

Sequence: A078367
Score: 12.4767
Type of gen. func.: lgdogf

$$-\frac{17x^2-4x+17}{(17x-2)(x^2-17x+1)}$$

Sequence: A078367
Score: 5.1074
Type of gen. func.: ogf

$$-(285 f(x) - 281) (f(x) x^2 - 17 f(x) x + f(x) + 17 x - 2)$$

Sequence: A078367
Score: 5.77623
Type of gen. func.: ogf

$$\{a(n+2) - 17 a(n+1) + a(n), a(0) = 2, a(1) = 17\}$$

Sequence: A078367
Score: 6.93147
Type of gen. func.: lgdogf

$$-\frac{-17 x^2 + 4 x - 17}{-17 x^3 + 291 x^2 - 51 x + 2}$$

Sequence: A078368
Score: 10.0368
Type of gen. func.: lgdogf

$$-\frac{2 x - 19}{x^2 - 19 x + 1}$$

Sequence: A078368
Score: 10.6684
Type of gen. func.: revogf

$$-\frac{-19 x - 1 + (17 x + 1)^{1/2} (21 x + 1)^{1/2}}{2 x}$$

Sequence: A078368
Score: 14.7600
Type of gen. func.: ogf

$$\frac{1}{x^2 - 19 x + 1}$$

Sequence: A078368
Score: 21.3369
Type of gen. func.: lgdogf

$$-\frac{2 x - 19}{x^2 - 19 x + 1}$$

Sequence: A078368
Score: 5.97427
Type of gen. func.: ogf

$$(359 f(x) + 2) (f(x) x^2 - 19 f(x) x + f(x) - 1)$$

Sequence: A078368
Score: 5.97427
Type of gen. func.: ogf

$$\{-a(n + 2) + 19 a(n + 1) - a(n), a(0) = 1, a(1) = 19\}$$

Sequence: A078369
Score: 10.6774
Type of gen. func.: ogf

$$-\frac{19 x - 2}{x^2 - 19 x + 1}$$

Sequence: A078369
Score: 12.9144
Type of gen. func.: lgdogf

$$-\frac{19 x^2 - 4 x + 19}{(19 x - 2) (x^2 - 19 x + 1)}$$

Sequence: A078369
Score: 5.28251
Type of gen. func.: ogf

$$-(357 f(x) - 353) (f(x) x^2 - 19 f(x) x + f(x) + 19 x - 2)$$

Sequence: A078369
Score: 5.97427
Type of gen. func.: ogf

$$\{a(n + 2) - 19 a(n + 1) + a(n), a(0) = 2, a(1) = 19\}$$

Sequence: A078369
Score: 7.16913
Type of gen. func.: lgdogf

$$-\frac{-19 x^2 + 4 x - 19}{-19 x^3 + 363 x^2 - 57 x + 2}$$

Sequence: A078370
Score: 12.4284
Type of gen. func.: lgdogf

$$-\frac{-5 x^2 - 6 x - 13}{-5 x^3 + 7 x^2 - 7 x + 5}$$

Sequence: A078370
Score: 13.2433
Type of gen. func.: ogf

$$-\frac{5 x^2 - 2 x + 5}{(x - 1)^3}$$

Sequence: A078370
Score: 22.6437
Type of gen. func.: lgdogf

$$-\frac{5 x^2 + 6 x + 13}{(x - 1) (5 x^2 - 2 x + 5)}$$

Sequence: A078370
Score: 7.08634
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 5, a(1) = 13, a(2) = 29}

Sequence: A078370
Score: 7.27787
Type of gen. func.: ogf

$$(5 f(x) - 6) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 5 x^2 - f(x) - 2 x + 5)$$

Sequence: A078371
Score: 12.5462
Type of gen. func.: lgdogf

$$- \frac{3 x^2 - 6 x - 21}{3 x^3 - 9 x^2 + x + 5}$$

Sequence: A078371
Score: 13.3689
Type of gen. func.: ogf

$$\frac{3 x^2 - 6 x - 5}{(x - 1)^3}$$

Sequence: A078371
Score: 22.8625
Type of gen. func.: lgdogf

$$- \frac{3 (x^2 - 2 x - 7)}{(x - 1) (3 x^2 - 6 x - 5)}$$

Sequence: A078371
Score: 7.15351
Type of gen. func.: ogf

$$(58 f(x) - 749) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 3 x^2 - f(x) + 6 x + 5)$$

Sequence: A078371

Score: 7.15351
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 5, a(1) = 21, a(2) = 45\}$$

Sequence: A078404
Score: 4.36923
Type of gen. func.: ogf

$$\frac{x^{16} - x^{15} + x^{13} + x^{10} - x^{9} + 2 x^{8} - x^{7} + x^{6} + x^{3} - x + 1}{(x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x + 1)^{2} (x^{2} + 1)^{2} (x - 1)^{4}}$$

Sequence: A078411
Score: 6.99350
Type of gen. func.: ogf

$$\frac{x^{8} + x^{6} + x^{5} + 2 x^{4} + x^{3} + x^{2} + 1}{(x^{2} + 1) (x^{2} + x + 1) (x + 1)^{2} (x - 1)^{4}}$$

Sequence: A078427
Score: 4.94867
Type of gen. func.: ogf

$$(3749901 f(x) - 3359060)$$

$$(100 f(x) x^{3} - 120 f(x) x^{2} + 21 f(x) x + 100 x^{2} - f(x) - 65 x + 46)$$

Sequence: A078427
Score: 5.26794
Type of gen. func.: ogf

$$\{a(n + 3) - 21 a(n + 2) + 120 a(n + 1) - 100 a(n), a(0) = 46, a(1) = 901,$$

$$a(2) = 13501\}$$

Sequence: A078427
Score: 6.34198
Type of gen. func.: lgdogf

$$-\frac{1000 x^3 - 1200 x^2 + 1830 x - 901}{1000 x^4 - 1750 x^3 + 1275 x^2 - 571 x + 46}$$

Sequence: A078427
Score: 9.33177
Type of gen. func.: ogf

$$-\frac{100 x^2 - 65 x + 46}{(x - 1) (10 x - 1)^2}$$

Sequence: A078427
Score: 9.72215
Type of gen. func.: lgdogf

$$-\frac{1000 x^3 - 1200 x^2 + 1830 x - 901}{(x - 1) (10 x - 1) (100 x^2 - 65 x + 46)}$$

Sequence: A078467
Score: 13.8242
Type of gen. func.: ogf

$$-\frac{x (x^2 + x + 1)}{x^4 + x - 1}$$

Sequence: A078467
Score: 15.5312
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 3 x^4 + 4 x^3 - x^2 + 2 x + 2}{(x^2 + x + 1) (x^4 + x - 1)}$$

Sequence: A078467
Score: 7.87979
Type of gen. func.: lgdogf

$$-\frac{2x^5+3x^4+4x^3-x^2+2x+2}{x^6+x^5+x^4+x^3-1}$$

Sequence: A078467
Score: 7.95939
Type of gen. func.: ogf

$$(37f(x)+41)(f(x)x^4+x^3+f(x)x+x^2-f(x)+x)$$

Sequence: A078469
Score: 10.9718
Type of gen. func.: ogf

$$\frac{x^2+4x-1}{x^2+6x-1}$$

Sequence: A078469
Score: 17.2523
Type of gen. func.: lgdogf

$$\frac{2(x^2+1)}{(x^2+4x-1)(x^2+6x-1)}$$

Sequence: A078469
Score: 5.64566
Type of gen. func.: ogf

$$\{a(n+3)-6a(n+2)-a(n+1),\ a(0)=1,\ a(1)=2,\ a(2)=12\}$$

Sequence: A078469
Score: 8.19018
Type of gen. func.: lgdogf

$$-\frac{2x^2+2}{-x^4-10x^3-22x^2+10x-1}$$

Sequence: A078469
Score: 8.19019
Type of gen. func.: ogf

$$-f(x)x^2-6f(x)x+x^2+f(x)+4x-1$$

Sequence: A078476
Score: 11.5246
Type of gen. func.: ogf

$$\frac{3x^4-x^3-2x^2-1}{(x+1)(x-1)^3}$$

Sequence: A078476
Score: 13.9864
Type of gen. func.: lgdogf

$$-\frac{5x^4+6x^3-7x^2-8x-2}{(x-1)(x+1)(3x^4-x^3-2x^2-1)}$$

Sequence: A078476
Score: 6.32555
Type of gen. func.: ogf

$$-(118 f(x) - 10893)$$

$$(f(x)x^4-2f(x)x^3-3x^4+x^3+2f(x)x+2x^2-f(x)+1)$$

Sequence: A078476
Score: 8.41298
Type of gen. func.: lgdogf

$$-\frac{-5x^4-6x^3+7x^2+8x+2}{-3x^6+x^5+5x^4-x^3-x^2-1}$$

Sequence: A078477
Score: 5.88585
Type of gen. func.: lgdogf

$$(4x^{12}-4x^{10}-4x^9-25x^8-8x^7+11x^6-2x^5-4x^4+4x^3+5x^2+2x+1) \Big/ ((x-1)(x+1)(x^2+1)(2x^2-1)(2x^7+2x^6-x^5+x^3-x^2+x+1))$$

Sequence: A078477
Score: 8.10403
Type of gen. func.: ogf

$$\frac{2x^7+2x^6-x^5+x^3-x^2+x+1}{(x-1)(x+1)(x^2+1)(2x^2-1)}$$

Sequence: A078481
Score: 8.27028
Type of gen. func.: ogf

$$f(x)^2x^2+f(x)^2x+f(x)x^2+f(x)x-f(x)+x$$

Sequence: A078482
Score: 13.8052
Type of gen. func.: revogf

$$-\frac{-1-3x-x^2+(x^4+6x^3+7x^2+2x+1)^{1/2}}{2(x+1)}$$

Sequence: A078482
Score: 7.72462
Type of gen. func.: revogf

$$-\frac{-1 - 3 x - x^{2} + (x^{4} + 6 x^{3} + 7 x^{2} + 2 x + 1)^{1/2}}{2 (x + 1)}$$

Sequence: A078482
Score: 8.72427
Type of gen. func.: ogf

$$f(x)^{2} x - f(x) x^{2} + 3 f(x) x - x^{2} - f(x) + x$$

Sequence: A078483
Score: 6.13965
Type of gen. func.: ogf

$$x^{3} f(x)^{2} - 4 f(x)^{2} x^{2} + 5 f(x)^{2} x + 2 f(x) x^{2} - f(x)^{2} - 5 f(x) x + f(x) + x$$

Sequence: A078484
Score: 11.9827
Type of gen. func.: ogf

$$-\frac{x (2 x^{2} - 2 x + 1)}{2 x^{3} - 4 x^{2} + 4 x - 1}$$

Sequence: A078484
Score: 14.2347
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^{2} + 1) (x - 1)^{2}}{(2 x^{2} - 2 x + 1) (2 x^{3} - 4 x^{2} + 4 x - 1)}$$

Sequence: A078484
Score: 5.94561

Type of gen. func.: ogf

$$\{-a(n + 4) + 4 a(n + 3) - 4 a(n + 2) + 2 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 6\}$$

Sequence: A078484
Score: 7.2792
Type of gen. func.: ogf

$$f(x) (2 f(x) x^3 - 4 f(x) x^2 + 2 x^3 + 4 f(x) x - 2 x^2 - f(x) + x)$$

Sequence: A078484
Score: 7.86742
Type of gen. func.: lgdogf

$$- \frac{-4 x^4 + 8 x^3 - 6 x^2 + 4 x - 2}{-4 x^5 + 12 x^4 - 18 x^3 + 14 x^2 - 6 x + 1}$$

Sequence: A078485
Score: 11.2755
Type of gen. func.: lgdogf

$$\frac{16 x^5 - 48 x^4 + 52 x^3 - 22 x^2 + 4 x - 1}{(x - 1) (2 x - 1) (4 x^4 - 6 x^3 + 2 x - 1)}$$

Sequence: A078485
Score: 12.3070
Type of gen. func.: ogf

$$- \frac{x (4 x^4 - 6 x^3 + 2 x - 1)}{(2 x - 1) (x - 1)}$$

Sequence: A078486
Score: 6.15223
Type of gen. func.: ogf

$$-\frac{x\,(6\,x^5-10\,x^4+21\,x^3-19\,x^2+7\,x-1)}{6\,x^6-16\,x^5+44\,x^4-53\,x^3+31\,x^2-9\,x+1}$$

Sequence: A078488
Score: 13.6570
Type of gen. func.: revogf

$$-(x+1)^{(1/25)}+1$$

Sequence: A078488
Score: 35.3823
Type of gen. func.: revogf

$$-(x+1)^{(1/25)}+1$$

Sequence: A078488
Score: 4.67880
Type of gen. func.: ogf

$$\{(n-23)\,a(n+1)+(-n-3)\,a(n+2),\ a(0)=-25,\ a(1)=300\}$$

Sequence: A078501
Score: 10.9407
Type of gen. func.: lgdogf

$$-\frac{16\,x^4-16\,x^3-8\,x^2+18\,x-7}{(x-1)\,(2\,x-1)\,(4\,x^3-4\,x^2+1)}$$

Sequence: A078501
Score: 7.97348
Type of gen. func.: ogf

$$-\frac{4\,x^3-4\,x^2+1}{(2\,x-1)^2\,(x-1)^3}$$

Sequence: A078509

Score: 3.52954

Type of gen. func.: egf]

$$\{-a(n) + (-n^2 - n)\, a(n + 1) + (-n^3 - 5 n^2 - 8 n - 4)\, a(n + 2) + (n^3 + 6 n^2 + 11 n + 6)\, a(n + 3),\ a(0) = 1,\ a(1) = 1,\ a(2) = 1/2,\ a(3) = 1/6\}$$

Sequence: A078513

Score: 5.51140

Type of gen. func.: lgdogf

$$- (12 x^{12} - 16 x^{11} + 40 x^{10} + 24 x^9 - 4 x^8 + 16 x^7 + 36 x^6 + 36 x^5 + 37 x^4 + 28 x^3 + 12 x^2 + 4 x + 1) \Big/ ((2 x^5 - 2 x^4 + 4 x^3 + 2 x^2 + x + 1) (2 x^8 + 9 x^4 - 1))$$

Sequence: A078513

Score: 8.75118

Type of gen. func.: ogf

$$- \frac{x (2 x^5 - 2 x^4 + 4 x^3 + 2 x^2 + x + 1)}{2 x^8 + 9 x^4 - 1}$$

Sequence: A078522

Score: 13.8119

Type of gen. func.: ogf

$$- \frac{24 x}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A078522

Score: 16.2395
Type of gen. func.: lgdogf

$$-\frac{3 x^{2} - 70 x + 35}{(x - 1) (x^{2} - 34 x + 1)}$$

Sequence: A078522
Score: 5.71527
Type of gen. func.: ogf

$$\{a(n + 3) - 35 a(n + 2) + 35 a(n + 1) - a(n), a(0) = 0, a(1) = 24, a(2) = 840\}$$

Sequence: A078522
Score: 8.28715
Type of gen. func.: ogf

$$f(x) x^{3} - 35 f(x) x^{2} + 35 f(x) x - f(x) + 24 x$$

Sequence: A078522
Score: 9.74957
Type of gen. func.: lgdogf

$$-\frac{3 x^{2} - 70 x + 35}{x^{3} - 35 x^{2} + 35 x - 1}$$

Sequence: A078529
Score: 6.87154
Type of gen. func.: ogf

$$-\frac{3 x^{13} - 2 x^{12} + x^{11} + x^{7} + x^{3} + x^{2} - 5 x + 3}{(x + 1) (x^{4} - x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1) (x - 1)^{3}}$$

Sequence: A078531
Score: 12.9815
Type of gen. func.: ogf

$$-1 + f(x)^2 - 4 f(x)^3 x$$

Sequence: A078531
Score: 18.2552
Type of gen. func.: revogf

$$x (1 - 4 x)^{1/2}$$

Sequence: A078531
Score: 38.1456
Type of gen. func.: revogf

$$x (1 - 4 x)^{1/2}$$

Sequence: A078531
Score: 4.17262
Type of gen. func.: ogf

$$\{(108 n^2 + 432 n + 384) a(n + 1) + (-n^2 - 7 n - 12) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 10\}$$

Sequence: A078532
Score: 22.3743
Type of gen. func.: revogf

$$x (1 - 9 x)^{(1/3)}$$

Sequence: A078532
Score: 3.93395
Type of gen. func.: ogf

$$\{(6912 n^3 + 51840 n^2 + 120528 n + 83160) a(n + 1) + (-n^3 - 12 n^2 - 47 n - 60) a(n + 4), a(0) = 1, a(1) = 3, a(2) = 27, a(3) = 315\}$$

Sequence: A078532
Score: 46.9331
Type of gen. func.: revogf

$$x (1 - 9 x)^{(1/3)}$$

Sequence: A078533
Score: 19.6195
Type of gen. func.: revogf

$$x (1 - 16 x)^{(1/4)}$$

Sequence: A078533
Score: 21.7722
Type of gen. func.: revogf

$$x (1 - 16 x)^{(1/4)}$$

Sequence: A078534
Score: 18.8881
Type of gen. func.: revogf

$$x (1 - 25 x)^{(1/5)}$$

Sequence: A078534
Score: 38.2483
Type of gen. func.: revogf

$$x (1 - 25 x)^{(1/5)}$$

Sequence: A078535
Score: 10.8039
Type of gen. func.: revogf

$$x (1 - 36 x)^{(1/6)}$$

Sequence: A078535
Score: 21.6418
Type of gen. func.: revogf

$$x\,(1 - 36\,x)^{(1/6)}$$

Sequence: A078616
Score: 30.2511
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x}{-x + 1}$$

Sequence: A078617
Score: 7.71212
Type of gen. func.: lgdogf

$$-\frac{4\,x^9 + 7\,x^8 + 10\,x^7 + 6\,x^6 + 14\,x^5 + 8\,x^4 + 10\,x^3 + 7\,x^2 + 4\,x + 2}{(x - 1)\,(x + 1)\,(x^2 + x + 1)\,(x^2 - x + 1)\,(x^4 + x^3 + x^2 + 1)}$$

Sequence: A078617
Score: 9.45279
Type of gen. func.: ogf

$$-\frac{x^4 + x^3 + x^2 + 1}{(x + 1)\,(x^2 + x + 1)\,(x^2 - x + 1)\,(x - 1)^3}$$

Sequence: A078618
Score: 7.90558
Type of gen. func.: ogf

$$\frac{x^4 + 3\,x^2 + x + 1}{(x + 1)\,(x^2 + 1)\,(x - 1)^4}$$

Sequence: A078618
Score: 9.21562
Type of gen. func.: lgdogf

$$-\frac{3 x^7 + 3 x^6 + 18 x^5 + 18 x^4 + 23 x^3 + 15 x^2 + 12 x + 4}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 3 x^2 + x + 1)}$$

Sequence: A078621
Score: 7.14687
Type of gen. func.: lgdogf

$$\frac{24 x^8 - 32 x^7 - 32 x^6 + 48 x^5 + 26 x^4 - 28 x^3 - 18 x^2 + 8 x + 5}{(x - 1) (2 x^2 - 1) (2 x^2 - 2 x - 1) (2 x^4 + 2 x^3 - 2 x - 1)}$$

Sequence: A078621
Score: 9.08733
Type of gen. func.: ogf

$$\frac{(2 x^2 - 2 x - 1) (2 x^4 + 2 x^3 - 2 x - 1)}{(x - 1) (2 x^2 - 1)}$$

Sequence: A078623
Score: 12.8679
Type of gen. func.: revogf

$$-\frac{-x^2 + x}{x^3 - 2 x^2 + x - 1}$$

Sequence: A078623
Score: 8.12707
Type of gen. func.: ogf

$$-f(x)^3 x^3 + 2 f(x)^2 x^2 + f(x)^2 x - f(x) x - f(x) + 1$$

Sequence: A078634
Score: 10.7277
Type of gen. func.: lgdegf]

$$\frac{-1 + 4 x - x^2 + ((x^2 - 4 x + 1) (x - 2)^2)^{1/2}}{x^2 - 4 x + 1}$$

Sequence: A078634
Score: 5.81023
Type of gen. func.: lgdegf]

$$\frac{-x^2 + (x^4 - 8 x^3 + 21 x^2 - 20 x + 4)^{1/2} + 4 x - 1}{x^2 - 4 x + 1}$$

Sequence: A078642
Score: 12.4125
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4 x + 3}{x^3 + 3 x^2 + x - 2}$$

Sequence: A078642
Score: 17.6534
Type of gen. func.: ogf

$$-\frac{2 (x + 2)}{x^2 + x - 1}$$

Sequence: A078642
Score: 19.4265
Type of gen. func.: revogf

$$-4 - x + (5 x^2 + 16 x + 16)^{1/2}$$

$$\frac{}{2 (x + 2)}$$

Sequence: A078642
Score: 26.3645
Type of gen. func.: lgdogf

$$-\frac{(x + 3) (x + 1)}{(x + 2) (x^2 + x - 1)}$$

Sequence: A078642
Score: 8.82669
Type of gen. func.: ogf

$$-(7 f(x) - 10) (f(x) x^2 + f(x) x - f(x) + 2 x + 4)$$

Sequence: A078642
Score: 9.68783
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 4, a(1) = 6\}$$

Sequence: A078678
Score: 10.2562
Type of gen. func.: ogf

$$f(x)^2 x^2 - 3 f(x)^2 x + f(x)^2 - x^2 - x - 1$$

Sequence: A078678
Score: 10.5537
Type of gen. func.: lgdogf

$$-\frac{-2 x^2 + 2}{-x^4 + 2 x^3 + x^2 + 2 x - 1}$$

Sequence: A078678
Score: 19.5569
Type of gen. func.: lgdogf

$$-\frac{2 (x - 1) (x + 1)}{(x^2 + x + 1) (x^2 - 3 x + 1)}$$

Sequence: A078679
Score: 10.6075
Type of gen. func.: lgdogf

$$-\frac{(x + 1) (x^4 - 2 x^3 + 3 x^2 - 1)}{(x - 1) (x^2 - x + 1) (x^3 + 2 x^2 + 2 x - 1)}$$

Sequence: A078679
Score: 5.46034
Type of gen. func.: ogf

$$-(3 f(x) + 1) (f(x)^2 x^4 + x^3 f(x)^2 - 3 f(x)^2 x + f(x)^2 - x^2 + x - 1)$$

Sequence: A078679
Score: 6.76853
Type of gen. func.: lgdogf

$$-\frac{x^5 - x^4 + x^3 + 3 x^2 - x - 1}{x^6 - 2 x^3 + 4 x^2 - 4 x + 1}$$

Sequence: A078688
Score: 8.57436
Type of gen. func.: lgdogf

$$-\frac{x^7 - 10 x^6 + 3 x^5 + x^4 - 35 x^3 - 3 x^2 - 2 x - 3}{(x - 1) (x^2 + x + 1) (x^2 - x + 1) (x^3 - 4 x^2 - 4 x - 1)}$$

Sequence: A078688
Score: 9.42000
Type of gen. func.: ogf

$$-\frac{(x^2 - x + 1)(x^3 - 4x^2 - 4x - 1)}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A078689
Score: 8.90842
Type of gen. func.: lgdogf

$$-\frac{x^7 - 8x^6 + 3x^5 + x^4 - 26x^3 - 3x^2 - 2x - 2}{(x - 1)(x^2 + x + 1)(x^2 - x + 1)(x^3 - 3x^2 - 3x - 1)}$$

Sequence: A078689
Score: 9.67088
Type of gen. func.: ogf

$$-\frac{(x^3 - 3x^2 - 3x - 1)(x^2 - x + 1)}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A078690
Score: 7.49940
Type of gen. func.: ogf

$$-\frac{x^9 - 3x^8 - 30x^7 - 13x^6 + x^5 - x^4 - 12x^3 - 30x^2 - 2x - 1}{(x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2}$$

Sequence: A078697
Score: 3.15781
Type of gen. func.: ogf

$$\frac{x^2 + x + 1}{(x - 1)(x + 1)(x^2 + x - 1)}$$

Sequence: A078700
Score: 12.4321
Type of gen. func.: egf]

$$-\frac{x + 1}{x^2 + x - 1}$$

Sequence: A078700
Score: 19.5595
Type of gen. func.: lgdegf]

$$-\frac{x^2 + 2 x + 2}{(x + 1) (x^2 + x - 1)}$$

Sequence: A078700
Score: 6.21604
Type of gen. func.: egf]

$$-(13 f(x) + 3) (f(x) x^2 + f(x) x - f(x) + x + 1)$$

Sequence: A078700
Score: 9.32407
Type of gen. func.: lgdegf]

$$-\frac{-x^2 - 2 x - 2}{-x^3 - 2 x^2 + 1}$$

Sequence: A078712
Score: 14.9106
Type of gen. func.: ogf

$$\frac{2 x + 3}{x^3 - x - 1}$$

Sequence: A078712
Score: 21.7799
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 9 x^2 - 1}{(2 x + 3) (x^3 - x - 1)}$$

Sequence: A078712
Score: 7.13807
Type of gen. func.: ogf

{-a(n + 3) - a(n + 2) + a(n), a(0) = -3, a(1) = 1, a(2) = -1}

Sequence: A078712
Score: 7.71241
Type of gen. func.: ogf

$$(23 f(x) + 75) (f(x) x^3 - f(x) x - f(x) - 2 x - 3)$$

Sequence: A078712
Score: 8.82867
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 9 x^2 - 1}{2 x^4 + 3 x^3 - 2 x^2 - 5 x - 3}$$

Sequence: A078716
Score: 6.59051
Type of gen. func.: ogf

$$-\frac{5 x^8 + 8 x^7 + 4 x^6 + 7 x^5 + 3 x^4 + 6 x^3 + 2 x^2 + 5 x + 1}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A078718
Score: 10.4294
Type of gen. func.: lgdogf

$$\frac{(3 + 8 x) (-4 x - 1 + (4 x + 1)^{1/2} + 8 (4 x + 1)^{1/2} x)}{2 (16 x + 3) (4 x + 1)^{3/2} x}$$

Sequence: A078718
Score: 4.42378
Type of gen. func.: ogf

$$\{(-32 n^2 + 16 n) a(n + 1) + (-20 n^2 - 30 n - 10) a(n + 2) + (-3 n^2 - 9 n - 6) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 3\}$$

Sequence: A078718
Score: 8.18872
Type of gen. func.: ogf

$$-16 x^4 + 4 f(x)^2 x - 4 f(x) x^2 - 3 x^3 + f(x)^2 - f(x) x$$

Sequence: A078757
Score: 4.93317
Type of gen. func.: ogf

$$- \frac{x^7 + x^6 - 24 x^5 + 11 x^4 + 38 x^3 - 9 x^2 - 16 x - 1}{x^8 + x^7 - 25 x^6 + 11 x^5 + 47 x^4 - 11 x^3 - 25 x^2 - x + 1}$$

Sequence: A078761
Score: 12.5620
Type of gen. func.: lgdogf

$$- \frac{-10 x + 19}{-10 x^2 + 11 x - 1}$$

Sequence: A078761
Score: 13.0645
Type of gen. func.: ogf

$$-\frac{45 (x - 1)}{(10 x - 1)^2}$$

Sequence: A078761
Score: 14.9224
Type of gen. func.: revogf

$$-\frac{-45 - 20 x + 9 (25 + 20 x)^{1/2}}{10 (9 + 20 x)}$$

Sequence: A078761
Score: 23.7653
Type of gen. func.: lgdogf

$$-\frac{-19 + 10 x}{(10 x - 1) (x - 1)}$$

Sequence: A078761
Score: 7.10026
Type of gen. func.: ogf

$$(4 f(x) + 181) (100 f(x) x^2 - 20 f(x) x + f(x) + 45 x - 45)$$

Sequence: A078761
Score: 7.42300
Type of gen. func.: ogf

$$\{-a(n + 2) + 20 a(n + 1) - 100 a(n), a(0) = 45, a(1) = 855\}$$

Sequence: A078787
Score: 14.5175
Type of gen. func.: lgdogf

$$-\frac{-100 x - 102}{}$$

$$-100 x^2 + 99 x + 1$$

Sequence: A078787
Score: 16.9886
Type of gen. func.: ogf

$$\frac{100 x + 1}{(x - 1)^2}$$

Sequence: A078787
Score: 20.6139
Type of gen. func.: revogf

$$-\frac{-1 - 2 x + (1 + 404 x)^{1/2}}{2 (-100 + x)}$$

Sequence: A078787
Score: 27.9760
Type of gen. func.: lgdogf

$$-\frac{2 (51 + 50 x)}{(100 x + 1) (x - 1)}$$

Sequence: A078787
Score: 8.67896
Type of gen. func.: ogf

$$(101 f(x) + 5101) (f(x) x^2 - 2 f(x) x + f(x) - 100 x - 1)$$

Sequence: A078787
Score: 9.50552
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 102\}$$

Sequence: A078789
Score: 10.2005
Type of gen. func.: ogf

$$-\frac{2x^2-4x+1}{(4x-1)(x^2-3x+1)}$$

Sequence: A078789
Score: 5.54765
Type of gen. func.: ogf

$$\{-a(n+3)+7a(n+2)-13a(n+1)+4a(n),\ a(0)=1,\ a(1)=3,\ a(2)=10\}$$

Sequence: A078789
Score: 6.32454
Type of gen. func.: ogf

$$-(141 f(x)+14)(4 f(x) x^3-13 f(x) x^2+7 f(x) x+2x^2-f(x)-4x+1)$$

Sequence: A078789
Score: 9.83682
Type of gen. func.: lgdogf

$$-\frac{8x^4-32x^3+50x^2-22x+3}{(4x-1)(x^2-3x+1)(2x^2-4x+1)}$$

Sequence: A078795
Score: 3.67719
Type of gen. func.: ogf

$$\frac{1170x^5-3420x^4+3240x^3-900x^2-90x+1}{(100x-1)(x-1)^3}$$

Sequence: A078818
Score: 13.3233
Type of gen. func.: ogf

$$-36 x^2 - 15 x - 10 + f(x) - x^3 f(x)^2$$

Sequence: A078818
Score: 5.03403
Type of gen. func.: ogf

$$\{(-4 n^2 - 22 n - 24) a(n + 1) + (n^2 + 7 n + 10) a(n + 2), a(0) = 10, a(1) = 15\}$$

Sequence: A078819
Score: 11.9139
Type of gen. func.: ogf

$$-400 x^3 - 140 x^2 - 56 x - 35 + f(x) - f(x)^2 x^4$$

Sequence: A078819
Score: 4.96662
Type of gen. func.: ogf

$$\{(-4 n^2 - 26 n - 30) a(n + 1) + (n^2 + 8 n + 12) a(n + 2), a(0) = 35, a(1) = 56\}$$

Sequence: A078820
Score: 4.76120
Type of gen. func.: ogf

$$\{(-4 n^2 - 30 n - 50) a(n + 1) + (n^2 + 8 n + 12) a(n + 2), a(0) = 5, a(1) = 24\}$$

Sequence: A078831
Score: 5.12119
Type of gen. func.: ogf

$$- x (2 x^{15} + 2 x^{14} + 6 x^{13} + 4 x^{12} + 4 x^{11} + 3 x^{10} + 3 x^9 + x^8 - 2 x^6 - 3 x^5 - 5 x^4 - 4 x^3 - 3 x^2 - 2 x - 1) / ((x - 1) (x^4 + x^3 + x^2 + x + 1) (2 x^5 - 1))$$

Sequence: A078836
Score: 15.4193
Type of gen. func.: lgdogf

$$-\frac{-10 x + 7}{-10 x^{2} + 11 x - 3}$$

Sequence: A078836
Score: 17.0953
Type of gen. func.: ogf

$$-\frac{2 (5 x - 3)}{(2 x - 1)^{2}}$$

Sequence: A078836
Score: 19.3379
Type of gen. func.: revogf

$$-\frac{-3 - 2 x + (9 + 2 x)^{1/2}}{2 (5 + 2 x)}$$

Sequence: A078836
Score: 25.0677
Type of gen. func.: lgdogf

$$-\frac{-7 + 10 x}{(2 x - 1) (5 x - 3)}$$

Sequence: A078836
Score: 9.03889
Type of gen. func.: ogf

$$(2 f(x) + 37) (4 f(x) x^{2} - 4 f(x) x + f(x) + 10 x - 6)$$

Sequence: A078836
Score: 9.47451
Type of gen. func.: ogf

$$\{-a(n+2) + 4\,a(n+1) - 4\,a(n),\ a(0) = 6,\ a(1) = 14\}$$

Sequence: A078876
Score: 4.55666
Type of gen. func.: ogf

$$-\frac{x\,(x+1)\,(x^4 + 17\,x^3 + 48\,x^2 + 17\,x + 1)}{(x-1)^9}$$

Sequence: A078876
Score: 8.46906
Type of gen. func.: lgdogf

$$-\frac{4\,x^5 + 95\,x^4 + 462\,x^3 + 650\,x^2 + 274\,x + 27}{(x-1)\,(x+1)\,(x^4 + 17\,x^3 + 48\,x^2 + 17\,x + 1)}$$

Sequence: A078891
Score: 3.03301
Type of gen. func.: ogf

$$-\frac{540000000\,x^5 + 13500000\,x^4 + 270000\,x^3 - 21600\,x^2 + 270\,x - 1}{(x-1)\,(100\,x-1)^3}$$

Sequence: A078904
Score: 13.3608
Type of gen. func.: lgdogf

$$-\frac{12\,x - 6}{4\,x^2 - 5\,x + 1}$$

Sequence: A078904
Score: 14.5484
Type of gen. func.: ogf

$$-\frac{3x}{(4x-1)(x-1)^2}$$

Sequence: A078904
Score: 25.8058
Type of gen. func.: lgdogf

$$-\frac{6(2x-1)}{(4x-1)(x-1)}$$

Sequence: A078904
Score: 5.84534
Type of gen. func.: ogf

$$\{a(n+3) - 6 a(n+2) + 9 a(n+1) - 4 a(n), a(0) = 0, a(1) = 3, a(2) = 18\}$$

Sequence: A078904
Score: 8.50233
Type of gen. func.: ogf

$$4 f(x) x^3 - 9 f(x) x^2 + 6 f(x) x - f(x) + 3 x$$

Sequence: A078905
Score: 11.6342
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{5x^2-5}{-x^4-x^3-x^2-x-1}$$

Sequence: A078907
Score: 10.5495
Type of gen. func.: ogf

$$2 \qquad 3$$

```
(x  - x + 1)
-------------
         2
  (x - 1)
```

Sequence: A078907
Score: 14.0110
Type of gen. func.: lgdogf

```
        2
     4 x  - 7 x + 1
- --------------------
    3      2
  -x  + 2 x  - 2 x + 1
```

Sequence: A078907
Score: 27.0856
Type of gen. func.: ogf_with_Euler_transform]

```
    5      2
-3 x  + 3 x  + 3 x - 1
```

Sequence: A078907
Score: 30.6250
Type of gen. func.: lgdogf

```
      2
   4 x  - 7 x + 1
--------------------
          2
(x - 1) (x  - x + 1)
```

Sequence: A078907
Score: 4.59849
Type of gen. func.: ogf

```
{(-n - 4) a(n + 4) + (5 + 2 n) a(n + 3) + (3 - 2 n) a(n + 2)

     + (-3 + n) a(n + 1), a(0) = 1, a(1) = -1, a(2) = 3, a(3) = 0}
```

Sequence: A078922
Score: 12.0642
Type of gen. func.: ogf

```
      x - 1
- -------------
```

$$x^2 - 11 x + 1$$

Sequence: A078922
Score: 12.6370
Type of gen. func.: revogf

$$-\frac{-11 x - 1 + (117 x^2 + 18 x + 1)^{1/2}}{2 (x + 1)}$$

Sequence: A078922
Score: 16.9809
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x + 10}{(x - 1) (x^2 - 11 x + 1)}$$

Sequence: A078922
Score: 6.09837
Type of gen. func.: ogf

$$-(27 f(x) - 2) (f(x) x^2 - 11 f(x) x + f(x) + x - 1)$$

Sequence: A078922
Score: 6.60656
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A078922
Score: 8.28285
Type of gen. func.: lgdogf

$$-\frac{-x^2 + 2 x - 10}{-x^3 + 12 x^2 - 12 x + 1}$$

Sequence: A078932
Score: 4.56085
Type of gen. func.: ogf

$$\frac{x^{21} - x^{19} + x^{18} - x^{15} - x^{3} + x - 1}{x^{20} - 2 x^{19} + 2 x^{18} + x^{16} - x^{15} + x^{12} - x^{10} + x^{9} + x^{6} - x^{2} + 2 x - 1}$$

Sequence: A078940
Score: 17.0933
Type of gen. func.: lgdegf]

$$-a(n) + (n + 1) a(n + 1), a(0) = 4, a(1) = 3$$

Sequence: A078940
Score: 21.1841
Type of gen. func.: lgdegf]

$$1 + 3 \exp(x)$$

Sequence: A078944
Score: 16.3933
Type of gen. func.: lgdegf]

$$(-n - 2) a(n + 2) + a(n + 1), a(0) = 4, a(1) = 4$$

Sequence: A078944
Score: 25.0892
Type of gen. func.: lgdegf]

$$4 \exp(x)$$

Sequence: A078945
Score: 15.9346
Type of gen. func.: lgdegf]

$$-a(n) + (n + 1) a(n + 1), a(0) = 5, a(1) = 4$$

Sequence: A078945
Score: 19.7698
Type of gen. func.: lgdegf]

$$1 + 4 \exp(x)$$

Sequence: A078986
Score: 10.4107
Type of gen. func.: ogf

$$\{a(n + 2) - 38 a(n + 1) + a(n), a(0) = 1, a(1) = 19\}$$

Sequence: A078986
Score: 12.4570
Type of gen. func.: revogf

$$-\frac{-1 - 38 x + (1440 x^2 + 1)^{1/2}}{2 (x + 19)}$$

Sequence: A078986
Score: 12.4928
Type of gen. func.: lgdogf

$$-\frac{-19 x^2 + 2 x - 19}{-19 x^3 + 723 x^2 - 57 x + 1}$$

Sequence: A078986
Score: 13.1127
Type of gen. func.: lgdogf

$$-\frac{19 x^2 - 2 x + 19}{(19 x - 1) (x^2 - 38 x + 1)}$$

Sequence: A078986
Score: 18.6064
Type of gen. func.: ogf

$$-\frac{19 x - 1}{x^{2} - 38 x + 1}$$

Sequence: A078986
Score: 9.20525
Type of gen. func.: ogf

$$-(720 f(x) - 359) (f(x) x^{2} - 38 f(x) x + f(x) + 19 x - 1)$$

Sequence: A078987
Score: 11.0677
Type of gen. func.: revogf

$$-\frac{-1 - 38 x + (36 x + 1)^{1/2} (40 x + 1)^{1/2}}{2 x}$$

Sequence: A078987
Score: 13.8261
Type of gen. func.: lgdogf

$$-\frac{2 x - 38}{x^{2} - 38 x + 1}$$

Sequence: A078987
Score: 20.3324
Type of gen. func.: ogf

$$\frac{1}{x^{2} - 38 x + 1}$$

Sequence: A078987
Score: 22.1354
Type of gen. func.: lgdogf

$$2 (-19 + x)$$

```
                 - -------------
                    2
                   x  - 38 x + 1
```

Sequence: A078987
Score: 8.22980
Type of gen. func.: ogf

$$\{-a(n + 2) + 38 a(n + 1) - a(n), a(0) = 1, a(1) = 38\}$$

Sequence: A078987
Score: 8.22981
Type of gen. func.: ogf

$$(721 f(x) + 1) (f(x) x^2 - 38 f(x) x + f(x) - 1)$$

Sequence: A078988
Score: 10.1800
Type of gen. func.: lgdogf

$$- \frac{-x^2 + 2 x - 65}{-x^3 + 67 x^2 - 67 x + 1}$$

Sequence: A078988
Score: 10.9081
Type of gen. func.: revogf

$$- \frac{-1 - 66 x + (4352 x^2 + 128 x + 1)^{1/2}}{2 (x + 1)}$$

Sequence: A078988
Score: 14.8273
Type of gen. func.: ogf

$$- \frac{x - 1}{x^2 - 66 x + 1}$$

Sequence: A078988
Score: 15.3395
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2x + 65}{(x - 1)(x^2 - 66x + 1)}$$

Sequence: A078988
Score: 7.25592
Type of gen. func.: ogf

$$-(4288 f(x) - 63)(f(x) x^2 - 66 f(x) x + f(x) + x - 1)$$

Sequence: A078988
Score: 8.11973
Type of gen. func.: ogf

$$\{a(n + 2) - 66 a(n + 1) + a(n), a(0) = 1, a(1) = 65\}$$

Sequence: A078989
Score: 10.1800
Type of gen. func.: lgdogf

$$-\frac{x^2 + 2x - 67}{x^3 - 65x^2 - 65x + 1}$$

Sequence: A078989
Score: 10.9081
Type of gen. func.: revogf

$$-\frac{-1 - 66x + (4352x^2 + 136x + 1)^{1/2}}{2(x - 1)}$$

Sequence: A078989

Score: 14.8273
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - 66 x + 1}$$

Sequence: A078989
Score: 14.8747
Type of gen. func.: lgdogf

$$- \frac{x^2 + 2 x - 67}{(x + 1) (x^2 - 66 x + 1)}$$

Sequence: A078989
Score: 7.57841
Type of gen. func.: ogf

$$(4420 f(x) + 69) (f(x) x^2 - 66 f(x) x + f(x) - x - 1)$$

Sequence: A078989
Score: 8.11973
Type of gen. func.: ogf

$$\{-a(n + 2) + 66 a(n + 1) - a(n), a(0) = 1, a(1) = 67\}$$

Sequence: A078993
Score: 9.28392
Type of gen. func.: ogf

$$- \frac{x^5 (2 x^3 + 4 x^2 - 5 x - 2)}{(x - 1) (x + 1) (2 x^2 - 1) (x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A078998
Score: 7.35339
Type of gen. func.: ogf

$$-(10 f(x) x^2 - 11 f(x) x + f(x) - 1)^2$$

Sequence: A079003
Score: 12.3562
Type of gen. func.: ogf

$$-\frac{x^2 + 6 x - 3}{(3 x - 1) (x - 1)}$$

Sequence: A079003
Score: 14.5874
Type of gen. func.: lgdogf

$$-\frac{2 (11 x^2 - 10 x + 3)}{(x - 1) (3 x - 1) (x^2 + 6 x - 3)}$$

Sequence: A079003
Score: 6.35804
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 3 a(n + 1), a(0) = 3, a(1) = 6, a(2) = 14\}$$

Sequence: A079003
Score: 6.61492
Type of gen. func.: ogf

$$-(55 f(x) + 78) (3 f(x) x^2 - 4 f(x) x + x^2 + f(x) + 6 x - 3)$$

Sequence: A079003
Score: 8.50491
Type of gen. func.: lgdogf

$$-\frac{22 x^2 - 20 x + 6}{3 x^4 + 14 x^3 - 32 x^2 + 18 x - 3}$$

Sequence: A079004
Score: 10.4466
Type of gen. func.: ogf

$$\frac{24 x^3 - 9 x^2 - 18 x + 7}{(3 x - 1) (x - 1)}$$

Sequence: A079004
Score: 5.62509
Type of gen. func.: ogf

{-a(n + 4) + 4 a(n + 3) - 3 a(n + 2), a(0) = 7, a(1) = 10, a(2) = 10, a(3) = 34

}

Sequence: A079004
Score: 6.32823
Type of gen. func.: ogf

$$(7 f(x) - 74) (3 f(x) x^2 - 24 x^3 - 4 f(x) x + 9 x^2 + f(x) + 18 x - 7)$$

Sequence: A079004
Score: 9.62841
Type of gen. func.: lgdogf

$$\frac{2 (36 x^4 - 96 x^3 + 81 x^2 - 30 x + 5)}{(x - 1) (3 x - 1) (24 x^3 - 9 x^2 - 18 x + 7)}$$

Sequence: A079006
Score: 13.4898
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x - 2}{-x^3 - x^2 - x - 1}$$

Sequence: A079027
Score: 12.8221
Type of gen. func.: lgdogf

$$-\frac{-125 x + 35}{-125 x^2 + 55 x - 6}$$

Sequence: A079027
Score: 14.4249
Type of gen. func.: ogf

$$-\frac{25 x - 6}{(5 x - 1)^2}$$

Sequence: A079027
Score: 20.0008
Type of gen. func.: revogf

$$-\frac{-3 - 5 x + (9 + 5 x)^{1/2}}{25 (x + 1)}$$

Sequence: A079027
Score: 23.4493
Type of gen. func.: lgdogf

$$-\frac{5 (-7 + 25 x)}{(5 x - 1) (25 x - 6)}$$

Sequence: A079027
Score: 7.7797
Type of gen. func.: ogf

$$(2 f(x) + 37) (25 f(x) x^2 - 10 f(x) x + f(x) + 25 x - 6)$$

Sequence: A079027
Score: 8.14580
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 25 a(n), a(0) = 6, a(1) = 35\}$$

Sequence: A079028
Score: 11.5605
Type of gen. func.: lgdogf

$$-\frac{-12 x + 5}{-12 x^2 + 7 x - 1}$$

Sequence: A079028
Score: 12.5657
Type of gen. func.: ogf

$$-\frac{3 x - 1}{(4 x - 1)^2}$$

Sequence: A079028
Score: 15.7128
Type of gen. func.: revogf

$$-\frac{-1 - 8 x + (4 x + 1)^{1/2}}{2 (16 x + 3)}$$

Sequence: A079028
Score: 20.9504
Type of gen. func.: lgdogf

$$-\frac{-5 + 12 x}{(4 x - 1) (3 x - 1)}$$

Sequence: A079028
Score: 6.96414
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 16 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A079028
Score: 9.47469
Type of gen. func.: ogf

$$(8 f(x) + 17) (16 f(x) x^2 - 8 f(x) x + f(x) + 3 x - 1)$$

Sequence: A079034
Score: 13.7723
Type of gen. func.: lgdogf

$$- \frac{x^4 - 4 x^3 + 9 x^2 + 2 x + 2}{(x - 1) (x^4 - 4 x^3 + 7 x^2 - 3 x + 1)}$$

Sequence: A079034
Score: 7.73834
Type of gen. func.: lgdogf

$$- \frac{-x^4 + 4 x^3 - 9 x^2 - 2 x - 2}{-x^5 + 5 x^4 - 11 x^3 + 10 x^2 - 4 x + 1}$$

Sequence: A079034
Score: 7.98271
Type of gen. func.: ogf

$$- \frac{x^4 - 4 x^3 + 7 x^2 - 3 x + 1}{(x - 1)^5}$$

Sequence: A079037
Score: 10.0500
Type of gen. func.: lgdogf

$$\frac{1131 x^5 - 1231 x^4 - 1304 x^3 - 12 x^2 - x - 3}{(x - 1) (377 x^5 + 327 x^4 + 4 x^3 + x + 1)}$$

Sequence: A079037
Score: 10.3885
Type of gen. func.: ogf

$$\frac{377 x^{5} + 327 x^{4} + 4 x^{3} + x + 1}{(x - 1)^{2}}$$

Sequence: A079043
Score: 14.8796
Type of gen. func.: ogf

$$\frac{106 x^{16} + 6 x + 1}{(x - 1)^{2}}$$

Sequence: A079043
Score: 16.0316
Type of gen. func.: lgdogf

$$\frac{2 (742 x^{16} - 848 x^{15} - 3 x - 4)}{(x - 1) (106 x^{16} + 6 x + 1)}$$

Sequence: A079043
Score: 8.86447
Type of gen. func.: lgdogf

$$- \frac{1484 x^{16} - 1696 x^{15} - 6 x - 8}{-106 x^{17} + 106 x^{16} - 6 x^{2} + 5 x + 1}$$

Sequence: A079053
Score: 5.49534
Type of gen. func.: ogf

$$\frac{26 x^{10} + 68 x^{8} + 6 x^{7} - 4 x^{6} + 16 x^{5} - 12 x^{4} - 5 x^{2} - x - 1}{}$$

$$(x^2 + x - 1) (x^4 + 3 x^2 + 1)$$

Sequence: A079097
Score: 12.2372
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^2 - x - 1)}{(x - 1)^3 (x + 1)^3}$$

Sequence: A079097
Score: 13.9146
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - 3 x^4 + 4 x^3 - 8 x^2 - 6 x - 1}{(x - 1) (x + 1) (x^2 + 1) (x^2 - x - 1)}$$

Sequence: A079097
Score: 8.58961
Type of gen. func.: lgdogf

$$- \frac{-2 x^5 + 3 x^4 - 4 x^3 + 8 x^2 + 6 x + 1}{-x^6 + x^5 + x^4 + x^2 - x - 1}$$

Sequence: A079102
Score: 11.1916
Type of gen. func.: ogf

$$- \frac{8 x^3 + 2 x^2 - 2 x - 1}{(2 x + 1) (2 x - 1) (2 x^2 - 1)}$$

Sequence: A079102
Score: 8.48953
Type of gen. func.: lgdogf

$$-\frac{2\,(32\,x^{6}+16\,x^{5}-16\,x^{3}-6\,x^{2}+4\,x+1)}{(2\,x+1)\,(2\,x-1)\,(2\,x^{2}-1)\,(8\,x^{3}+2\,x^{2}-2\,x-1)}$$

Sequence: A079102
Score: 9.20828
Type of gen. func.: ogf

$$8\,f(x)\,x^{4}-6\,f(x)\,x^{2}+8\,x^{3}+2\,x^{2}+f(x)-2\,x-1$$

Sequence: A079162
Score: 10.4127
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^{5}-6\,x^{4}-4\,x^{3}+5\,x^{2}+4\,x+1)}{(x^{2}-2\,x-1)\,(2\,x^{4}-5\,x^{2}+1)}$$

Sequence: A079162
Score: 10.7523
Type of gen. func.: ogf

$$-\frac{x\,(x^{2}-2\,x-1)}{2\,x^{4}-5\,x^{2}+1}$$

Sequence: A079162
Score: 6.76177
Type of gen. func.: ogf

$$(3\,f(x)+1)\,(2\,f(x)\,x^{4}-5\,f(x)\,x^{2}+x^{3}-2\,x^{2}+f(x)-x)$$

Sequence: A079165
Score: 11.3328
Type of gen. func.: revegf]

2

$$-\operatorname{arcsinh}(x) + \operatorname{arcsinh}(x)$$

Sequence: A079165
Score: 20.4863
Type of gen. func.: revegf]

$$-\operatorname{arcsinh}(x) (\operatorname{arcsinh}(x) - 1)$$

Sequence: A079165
Score: 4.53313
Type of gen. func.: ogf

$$\{a(n + 1) + (4 n + 10) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 2, a(2) = 13\}$$

Sequence: A079262
Score: 10.1208
Type of gen. func.: lgdogf

$$-\frac{8 x^7 + 7 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1}{x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A079262
Score: 9.15711
Type of gen. func.: ogf

$$-\frac{x^7}{x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A079272
Score: 11.0904
Type of gen. func.: ogf

$$\frac{2 (3 x - 2)}{(x - 1) (3 x - 1)^2}$$

Sequence: A079272
Score: 15.0343
Type of gen. func.: lgdogf

$$-\frac{18 x^2 - 27 x + 11}{(x - 1) (3 x - 1) (3 x - 2)}$$

Sequence: A079272
Score: 5.20764
Type of gen. func.: ogf

{-a(n + 3) + 7 a(n + 2) - 15 a(n + 1) + 9 a(n), a(0) = 4, a(1) = 22, a(2) = 94}

Sequence: A079272
Score: 6.83618
Type of gen. func.: ogf

$$-(271 f(x) - 348) (9 f(x) x^3 - 15 f(x) x^2 + 7 f(x) x - f(x) - 6 x + 4)$$

Sequence: A079272
Score: 8.67941
Type of gen. func.: lgdogf

$$-\frac{-18 x^2 + 27 x - 11}{-9 x^3 + 18 x^2 - 11 x + 2}$$

Sequence: A079273
Score: 12.4141
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 18 x + 10}{2 x^3 + 5 x^2 - 6 x - 1}$$

Sequence: A079273
Score: 13.4316
Type of gen. func.: ogf

$$-\frac{2x^2+7x+1}{(x-1)^3}$$

Sequence: A079273
Score: 23.6475
Type of gen. func.: lgdogf

$$-\frac{2(x^2+9x+5)}{(x-1)(2x^2+7x+1)}$$

Sequence: A079273
Score: 6.82774
Type of gen. func.: ogf

$$(88300 f(x) - 390799) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x) + 7 x + 1)$$

Sequence: A079273
Score: 7.18710
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 10, a(2) = 29\}$$

Sequence: A079280
Score: 4.81705
Type of gen. func.: ogf

$$-8 x^3 f(x)^2 + 4 f(x)^2 x^2 + 4 f(x) x^3 + 2 f(x)^2 x - 4 f(x) x^2 - 5 x^3 - f(x)^2 - f(x) x + f(x) + x$$

Sequence: A079282
Score: 11.5418
Type of gen. func.: ogf

$$(x - 1)^2$$

$$-\frac{\quad}{(x^{2}+x-1)\,(2x-1)^{2}}$$

Sequence: A079282
Score: 15.6919
Type of gen. func.: lgdogf

$$-\frac{4x^{3}-6x^{2}-3x+3}{(x-1)\,(2x-1)\,(x^{2}+x-1)}$$

Sequence: A079282
Score: 3.53793
Type of gen. func.: ogf

$$\{(2n+14)\,a(n+1)+(n+8)\,a(n+2)+(-3n-20)\,a(n+3)$$
$$+(n+6)\,a(n+4),\ a(0)=1,\ a(1)=3,\ a(2)=9,\ a(3)=24\}$$

Sequence: A079282
Score: 6.23051
Type of gen. func.: ogf

$$(13\,f(x)-22)\,(4\,f(x)\,x^{4}-7\,f(x)\,x^{2}+5\,f(x)\,x+x^{2}-f(x)-2x+1)$$

Sequence: A079282
Score: 8.80060
Type of gen. func.: lgdogf

$$-\frac{4x^{3}-6x^{2}-3x+3}{2x^{4}-x^{3}-4x^{2}+4x-1}$$

Sequence: A079284
Score: 13.1665
Type of gen. func.: lgdogf

$$-\frac{4x^{5}+2x^{4}-8x^{3}-5x^{2}+4x+1}{\quad}$$

$$(x - 1) (x + 1) (2 x^2 - 1) (x^2 + x - 1)$$

Sequence: A079284
Score: 13.3935
Type of gen. func.: ogf

$$- \frac{(x - 1) (x + 1)}{(2 x^2 - 1) (x^2 + x - 1)}$$

Sequence: A079284
Score: 6.90933
Type of gen. func.: ogf

$$(19 f(x) - 2) (2 f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 - f(x) x + x^2 + f(x) - 1)$$

Sequence: A079284
Score: 7.77300
Type of gen. func.: lgdogf

$$- \frac{-4 x^5 - 2 x^4 + 8 x^3 + 5 x^2 - 4 x - 1}{-2 x^6 - 2 x^5 + 5 x^4 + 3 x^3 - 4 x^2 - x + 1}$$

Sequence: A079285
Score: 10.0018
Type of gen. func.: lgdogf

$$- \frac{8 x^5 + 10 x^4 - 12 x^3 - 13 x^2 + 8 x + 1}{(2 x^2 - 1) (x^2 + x - 1) (2 x^2 + x - 2)}$$

Sequence: A079285
Score: 5.11931
Type of gen. func.: ogf

$(f(x) - 6)$

4 3 2 3 2

$$(2 f(x) x + 2 f(x) x - 3 f(x) x + 2 x - f(x) x + x + f(x) - 2 x)$$

Sequence: A079285
Score: 9.32697
Type of gen. func.: ogf

$$-\frac{x (2 x^{2} + x - 2)}{(2 x^{2} - 1) (x^{2} + x - 1)}$$

Sequence: A079289
Score: 10.3646
Type of gen. func.: ogf

$$\frac{(x - 1)^{2} (x + 1)^{2}}{(2 x^{2} - 1) (x^{2} + x - 1)}$$

Sequence: A079289
Score: 12.7943
Type of gen. func.: lgdogf

$$\frac{2 x^{4} + 2 x^{3} + 3 x^{2} - 2 x - 1}{(x - 1) (x + 1) (2 x^{2} - 1) (x^{2} + x - 1)}$$

Sequence: A079289
Score: 5.68886
Type of gen. func.: ogf

$$(f(x) - 2) (2 f(x) x^{4} + 2 f(x) x^{3} - x^{4} - 3 f(x) x^{2} - f(x) x + 2 x^{2} + f(x) - 1)$$

Sequence: A079291
Score: 10.5204
Type of gen. func.: ogf

$$-\frac{x (x - 1)}{2}$$

```
                              (x + 1) (x  - 6 x + 1)



------------------------------------------------------------------------------

Sequence:  A079291
Score: 13.4179
Type of gen. func.: lgdogf


                                 3      2
                             2 (x  - 4 x  + 5 x + 2)
                        - ------------------------------
                                                  2
                          (x - 1) (x + 1) (x  - 6 x + 1)



------------------------------------------------------------------------------

Sequence:  A079291
Score: 5.40236
Type of gen. func.: ogf


   {a(n + 3) - 5 a(n + 2) - 5 a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 4}



------------------------------------------------------------------------------

Sequence:  A079291
Score: 5.60432
Type of gen. func.: ogf


                             3            2               2
         (4 f(x) + 1) (f(x) x  - 5 f(x) x  - 5 f(x) x + x  + f(x) - x)



------------------------------------------------------------------------------

Sequence:  A079291
Score: 8.21455
Type of gen. func.: lgdogf


                                 3      2
                             -2 x  + 8 x  - 10 x - 4
                           - -----------------------
                                4      3
                              -x  + 6 x  - 6 x + 1



------------------------------------------------------------------------------

Sequence:  A079309
Score: 4.87650
Type of gen. func.: ogf


{(-4 n - 14) a(n + 1) + (5 n + 18) a(n + 2) + (-n - 4) a(n + 3), a(0) = 1,

    a(1) = 4, a(2) = 14}



------------------------------------------------------------------------------
```

Sequence: A079309
Score: 5.69545
Type of gen. func.: ogf

$$-4 f(x)^2 x^4 + 9 x^3 f(x)^2 - 6 f(x)^2 x^2 + f(x)^2 x + 4 f(x) x^2 - 5 f(x) x + f(x) - 1$$

Sequence: A079313
Score: 7.34706
Type of gen. func.: ogf

$$-\frac{3 x^{11} - 2 x^{10} + x^9 - 7 x^7 + x^6 - 2 x^5 - 5 x^4 - 2 x^3 - 5 x^2 - 3 x - 1}{(x^2 + 1)^2 (x - 1)^2 (x + 1)^2}$$

Sequence: A079319
Score: 5.29676
Type of gen. func.: ogf

$$-(13 f(x) + 5) (8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x + 2 x^2 - f(x) - 4 x + 1)$$

Sequence: A079319
Score: 5.48425
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A079319
Score: 9.05981
Type of gen. func.: lgdogf

$$-\frac{16 x^4 - 64 x^3 + 66 x^2 - 24 x + 3}{(x - 1) (2 x - 1) (4 x - 1) (2 x^2 - 4 x + 1)}$$

Sequence: A079319
Score: 9.99548
Type of gen. func.: ogf

$$-\frac{2x^2 - 4x + 1}{(x-1)(2x-1)(4x-1)}$$

Sequence: A079326
Score: 13.8960
Type of gen. func.: lgdogf

$$-\frac{x^5 + x^4 - 5x^3 - 7x^2 - 12x - 2}{(x-1)(x+1)(x^4 - 3x^2 - x - 1)}$$

Sequence: A079326
Score: 9.66882
Type of gen. func.: ogf

$$\frac{x^4 - 3x^2 - x - 1}{(x+1)^2 (x-1)^3}$$

Sequence: A079340
Score: 13.2942
Type of gen. func.: lgdegf]

$$-\frac{32x^2 + 2x + 5}{(4x-1)(16x^2 - 5x + 1)}$$

Sequence: A079340
Score: 7.90396
Type of gen. func.: lgdegf]

$$-\frac{-32x^2 - 2x - 5}{-64x^3 + 36x^2 - 9x + 1}$$

Sequence: A079343
Score: 11.2040
Type of gen. func.: ogf

$$-\frac{x\,(x^3+2\,x^2+1)}{(x-1)\,(x^2+x+1)\,(x^2-x+1)}$$

Sequence: A079343
Score: 11.5795
Type of gen. func.: lgdogf

$$-\frac{2\,x^7+5\,x^6-4\,x^5+8\,x^4-6\,x^3+4\,x^2+2\,x+1}{(x-1)\,(x^2+x+1)\,(x^2-x+1)\,(x^3+2\,x^2+1)}$$

Sequence: A079344
Score: 8.03117
Type of gen. func.: ogf

$$-\frac{x\,(x^7+6\,x^6-5\,x^5+3\,x^4+x^3+x^2+1)}{(x-1)\,(x^2+x+1)\,(x^2-x+1)\,(x^4-x^2+1)}$$

Sequence: A079351
Score: 11.1493
Type of gen. func.: ogf

$$-\frac{4\,x^{25}-4\,x^{15}+4\,x^5-4\,x^3+2\,x-3}{(x-1)^2}$$

Sequence: A079351
Score: 8.30864
Type of gen. func.: lgdogf

$$2\,(46\,x^{25}-50\,x^{24}-26\,x^{15}+30\,x^{14}+6\,x^5-10\,x^4-2\,x^3+6\,x^2-x+2)\;/\;((x-1)\,(4\,x^{25}-4\,x^{15}+4\,x^5-4\,x^3+2\,x-3))$$

Sequence: A079352
Score: 3.79647
Type of gen. func.: ogf

$$-(12288 x^{14} + 6144 x^{13} + 3072 x^{12} + 4608 x^{11} + 1536 x^{10} + 768 x^{9} + 384 x^{8} + 192 x^{7} + 96 x^{6} + 48 x^{5} + 24 x^{4} + 12 x^{3} + 4 x^{2} + 2 x + 1) / (6144 x^{12} - 1)$$

Sequence: A079354
Score: 7.10608
Type of gen. func.: ogf

$$\frac{2 x^{10} + 3 x^{9} - x^{8} - x^{7} - x^{6} - x^{5} + 3 x^{4} - x^{3} + 3 x^{2} + 3 x + 1}{(x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A079356
Score: 5.16150
Type of gen. func.: ogf

$$\frac{2 x^{9} - 4 x^{8} + 7 x^{7} - 4 x^{6} + 2 x^{5} + x^{4} - 3 x^{3} + x^{2} + 2 x + 1}{(x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A079360
Score: 14.0321
Type of gen. func.: ogf

$$\frac{4 x + 1}{(x - 1) (2 x^{2} - 1)}$$

Sequence: A079360
Score: 15.8489
Type of gen. func.: lgdogf

$$-\frac{16 x^3 - 2 x^2 - 4 x - 5}{(x - 1) (4 x + 1) (2 x^2 - 1)}$$

Sequence: A079360
Score: 6.64021
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 2 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 5, a(2) = 7\}$$

Sequence: A079360
Score: 6.88614
Type of gen. func.: ogf

$$(267 f(x) + 1072) (2 f(x) x^3 - 2 f(x) x^2 - f(x) x + f(x) - 4 x - 1)$$

Sequence: A079360
Score: 9.18152
Type of gen. func.: lgdogf

$$-\frac{-16 x^3 + 2 x^2 + 4 x + 5}{-8 x^4 + 6 x^3 + 6 x^2 - 3 x - 1}$$

Sequence: A079362
Score: 11.6196
Type of gen. func.: ogf

$$-\frac{2 x^2 - 3 x - 1}{(x - 1) (3 x^2 - 1)}$$

Sequence: A079362
Score: 12.8647
Type of gen. func.: lgdogf

4 3 2

$$-\frac{2 (3 x - 9 x + x + x + 2)}{(x - 1) (3 x^2 - 1) (2 x^2 - 3 x - 1)}$$

Sequence: A079362
Score: 6.11033
Type of gen. func.: ogf

$$(582 f(x) + 1247) (3 f(x) x^3 - 3 f(x) x^2 - f(x) x + 2 x^2 + f(x) - 3 x - 1)$$

Sequence: A079362
Score: 6.32855
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 3 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 4, a(2) = 5\}$$

Sequence: A079362
Score: 7.23263
Type of gen. func.: lgdogf

$$-\frac{-6 x^4 + 18 x^3 - 2 x^2 - 2 x - 4}{-6 x^5 + 15 x^4 - 4 x^3 - 8 x^2 + 2 x + 1}$$

Sequence: A079398
Score: 11.271
Type of gen. func.: ogf

$$f(x) x^4 + f(x) x^3 + x^3 + x^2 - f(x) + x$$

Sequence: A079398
Score: 13.8578
Type of gen. func.: ogf

$$-\frac{x (x^2 + x + 1)}{x^4 + x^3 - 1}$$

Sequence: A079398
Score: 15.4305
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 4 x^4 + 6 x^3 + 3 x^2 + 2 x + 1}{(x^2 + x + 1) (x^4 + x^3 - 1)}$$

Sequence: A079414
Score: 13.2577
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 + 72 x^2 + 141 x + 26)}{(x - 1) (x + 1) (x^2 + 46 x + 1)}$$

Sequence: A079414
Score: 3.45434
Type of gen. func.: ogf

$$\{(-22 n^2 - 151 n - 255) a(n + 1) + (44 n^2 + 264 n + 508) a(n + 2)$$

$$+ (-22 n^2 - 113 n - 141) a(n + 3), a(0) = 1, a(1) = 52, a(2) = 297\}$$

Sequence: A079414
Score: 7.45207
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 + 46 x + 1)}{(x - 1)^5}$$

Sequence: A079414
Score: 8.39537
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 144 x^2 + 282 x + 52}{}$$

$$x^{4} + 46 x^{3} - 46 x - 1$$

Sequence: A079416
Score: 12.8739
Type of gen. func.: ogf

$$- \frac{x^{47} + x^{21} - x^{20} + x^{18} + x^{8} + 2}{x - 1}$$

Sequence: A079416
Score: 9.17620
Type of gen. func.: lgdogf

$$(46 x^{47} - 47 x^{46} + 20 x^{21} - 40 x^{20} + 20 x^{19} + 17 x^{18} - 18 x^{17} + 7 x^{8} - 8 x^{7} - 2) / ((x - 1) (x^{47} + x^{21} - x^{20} + x^{18} + x^{8} + 2))$$

Sequence: A079440
Score: 4.67795
Type of gen. func.: ogf

$$x^{2} (x^{22} + x^{21} + x^{20} + x^{18} + x^{17} + x^{16} + x^{14} + x^{13} + x^{12} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) / ((x + 1) (x^{2} + 1) (x^{2} + x + 1) (x^{4} + 1) (x - 1)^{2})$$

Sequence: A079460
Score: 6.01079
Type of gen. func.: lgdogf

$$\frac{16 x^{8} - 52 x^{7} + 60 x^{6} - 25 x^{5} - 11 x^{4} + 21 x^{3} - 11 x^{2} - 10 x + 8}{(2 x - 1) (x - 1) (2 x^{7} - 3 x^{6} + x^{5} + 2 x^{4} - 3 x^{3} + x^{2} + 2)}$$

Sequence: A079460
Score: 6.76932
Type of gen. func.: ogf

$$-\frac{2x^7-3x^6+x^5+2x^4-3x^3+x^2+2}{(2x-1)(x-1)^2}$$

Sequence: A079472
Score: 11.9042
Type of gen. func.: lgdogf

$$-\frac{-3x^2+4x+2}{-x^3+2x^2+2x-1}$$

Sequence: A079472
Score: 16.9304
Type of gen. func.: ogf

$$\frac{2x}{(x+1)(x^2-3x+1)}$$

Sequence: A079472
Score: 22.7777
Type of gen. func.: lgdogf

$$-\frac{3x^2-4x-2}{(x+1)(x^2-3x+1)}$$

Sequence: A079472
Score: 6.86368
Type of gen. func.: ogf

$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 0, a(1) = 2, a(2) = 4\}$

Sequence: A079472
Score: 7.32566
Type of gen. func.: ogf

$$-(15 f(x) + 8) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + f(x) - 2 x)$$

Sequence: A079484
Score: 5.96877
Type of gen. func.: ogf

$$\{(4 n^2 + 16 n + 15) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A079489
Score: 19.2691
Type of gen. func.: revogf

$$\frac{(1 - 2 x + (1 - 8 x)^{1/2}) x}{2}$$

Sequence: A079489
Score: 7.88283
Type of gen. func.: lgdogf

$$(-32 n^2 - 160 n - 198) a(n + 1) + (2 n^2 + 11 n + 15) a(n + 2), a(0) = 3,$$

$$a(1) = 35$$

Sequence: A079489
Score: 9.49693
Type of gen. func.: revogf

$$\left(-x + 1/2 + \frac{(1 - 8 x)^{1/2}}{2}\right) x$$

Sequence: A079496
Score: 10.6745
Type of gen. func.: ogf

```
                   3      2
                  x  + 3 x  - x - 1
              - -----------------------------
                 2              2
```

$$(x + 2 x - 1) (x - 2 x - 1)$$

Sequence: A079496
Score: 6.48453
Type of gen. func.: ogf

$$-(41 f(x) - 17) (f(x) x^4 - 6 f(x) x^2 + x^3 + 3 x^2 + f(x) - x - 1)$$

Sequence: A079496
Score: 8.61063
Type of gen. func.: lgdogf

$$-\frac{x^6 + 2 x^5 - 3 x^4 - 4 x^3 + 15 x^2 + 10 x + 3}{(x^2 + 2 x - 1) (x^2 - 2 x - 1) (x^3 + x^2 - 3 x - 1)}$$

Sequence: A079497
Score: 6.97204
Type of gen. func.: ogf

$$-\frac{x^7 + x^6 + x^5 + x^4 - 13 x^3 - 9 x^2 - 5 x - 1}{(x^4 - 4 x^2 - 1) (x^4 + 4 x^2 - 1)}$$

Sequence: A079503
Score: 11.3570
Type of gen. func.: lgdogf

$$-\frac{2 (5 x^4 + 67 x^3 + 93 x^2 + 13 x + 2)}{(x - 1) (5 x^4 + 38 x^3 + 18 x^2 - 2 x + 1)}$$

Sequence: A079503
Score: 6.74414
Type of gen. func.: ogf

$$\overline{2 x (5 x^4 + 38 x^3 + 18 x^2 - 2 x + 1)}$$

$$(x - 1)^6$$

Sequence: A079503
Score: 7.12952
Type of gen. func.: lgdogf

$$-\frac{10 x^4 + 134 x^3 + 186 x^2 + 26 x + 4}{5 x^5 + 33 x^4 - 20 x^3 - 20 x^2 + 3 x - 1}$$

Sequence: A079504
Score: 6.26905
Type of gen. func.: ogf

$$\frac{8 x (17 x^4 + 194 x^3 + 234 x^2 + 34 x + 1)}{(x - 1)^6}$$

Sequence: A079504
Score: 9.86151
Type of gen. func.: lgdogf

$$-\frac{2 (17 x^4 + 325 x^3 + 759 x^2 + 319 x + 20)}{(x - 1) (17 x^4 + 194 x^3 + 234 x^2 + 34 x + 1)}$$

Sequence: A079505
Score: 5.08728
Type of gen. func.: ogf

$$(268 + 361 f(x)) (f(x) x^4 - 4 f(x) x^3 - 7 x^4 + 6 f(x) x^2 + 29 x^3 - 4 f(x) x$$

$$- 45 x^2 + f(x) + 31 x - 14)$$

Sequence: A079505
Score: 5.48604
Type of gen. func.: ogf

$$\frac{7 x^4 - 29 x^3 + 45 x^2 - 31 x + 14}{(x - 1)^4}$$

Sequence: A079505
Score: 8.47838
Type of gen. func.: lgdogf

$$\frac{x^3 - 3 x^2 + 3 x - 25}{(x - 1) (7 x^4 - 29 x^3 + 45 x^2 - 31 x + 14)}$$

Sequence: A079509
Score: 3.15107
Type of gen. func.: ogf

$$\frac{x (x - 2)}{(x - 1)^3}$$

Sequence: A079524
Score: 10.2646
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 2 x^2 - 4 x - 4}{2 x^4 - 2 x^3 - 3 x^2 + 2 x + 1}$$

Sequence: A079524
Score: 12.6334
Type of gen. func.: ogf

$$\frac{x (2 x^2 - 2 x - 1)}{(x + 1) (x - 1)^3}$$

Sequence: A079524

Score: 13.5165
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^{3} - x^{2} - 2\,x - 2)}{(x - 1)\,(x + 1)\,(2\,x^{2} - 2\,x - 1)}$$

Sequence: A079524
Score: 6.73092
Type of gen. func.: ogf

$$-(79\,f(x) - 798)\,(f(x)\,x^{4} - 2\,f(x)\,x^{3} - 2\,x^{3} + 2\,f(x)\,x + 2\,x^{2} - f(x) + x)$$

Sequence: A079547
Score: 10.4368
Type of gen. func.: lgdogf

$$-\frac{3\,x^{3} + 23\,x^{2} + 35\,x + 11}{(x - 1)\,(x + 1)\,(x^{2} + 4\,x + 1)}$$

Sequence: A079547
Score: 3.40570
Type of gen. func.: ogf

$$\{(n^{2} + 2\,n)\,a(n) + (-2\,n^{2} - 6\,n - 33)\,a(n + 1) + (n^{2} + 4\,n + 3)\,a(n + 2),$$

$$a(0) = 0,\ a(1) = 1\}$$

Sequence: A079547
Score: 5.10855
Type of gen. func.: ogf

$$\frac{x\,(x + 1)\,(x^{2} + 4\,x + 1)}{(x - 1)^{6}}$$

Sequence: A079547

Score: 6.81140
Type of gen. func.: lgdogf

$$-\frac{3x^3+23x^2+35x+11}{x^4+4x^3-4x-1}$$

Sequence: A079583
Score: 11.4279
Type of gen. func.: ogf

$$-\frac{x^2-x+1}{(2x-1)(x-1)^2}$$

Sequence: A079583
Score: 14.8557
Type of gen. func.: lgdogf

$$-\frac{2x^3-2x^2+5x-3}{(x-1)(2x-1)(x^2-x+1)}$$

Sequence: A079583
Score: 6.16902
Type of gen. func.: ogf

$$(109 f(x)+3)(2 f(x) x^3-5 f(x) x^2+4 f(x) x+x^2-f(x)-x+1)$$

Sequence: A079583
Score: 6.22411
Type of gen. func.: ogf

{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 3, a(2) = 8}

Sequence: A079583
Score: 8.71375
Type of gen. func.: lgdogf

$$-\frac{2x^3 - 2x^2 + 5x - 3}{2x^4 - 5x^3 + 6x^2 - 4x + 1}$$

Sequence: A079588
Score: 11.1888
Type of gen. func.: ogf

$$\frac{21x^2 + 26x + 1}{(x - 1)^4}$$

Sequence: A079588
Score: 11.3486
Type of gen. func.: lgdogf

$$-\frac{42x^2 + 120x + 30}{21x^3 + 5x^2 - 25x - 1}$$

Sequence: A079588
Score: 19.9989
Type of gen. func.: lgdogf

$$-\frac{6(7x^2 + 20x + 5)}{(x - 1)(21x^2 + 26x + 1)}$$

Sequence: A079588
Score: 3.83769
Type of gen. func.: ogf

$\{(n + 4) a(n + 4) + (45 + 25 n) a(n + 3) + (-130 - 5 n) a(n + 2)$

$+ (-63 - 21 n) a(n + 1), a(0) = 1, a(1) = 30, a(2) = 135, a(3) = 364\}$

Sequence: A079588
Score: 5.29601

Type of gen. func.: ogf

$$-(27101088 f(x) + 554600083)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 21 x^2 + f(x) - 26 x - 1)$$

Sequence: A079598
Score: 10.1465
Type of gen. func.: revogf

$$-\frac{-1 - 20 x + (144 x^2 + 72 x + 1)^{1/2}}{16 (-1 + 8 x)}$$

Sequence: A079598
Score: 10.3671
Type of gen. func.: lgdogf

$$-\frac{4 (128 x^2 + 32 x - 7)}{(-1 + 16 x) (8 x + 1) (4 x - 1)}$$

Sequence: A079598
Score: 10.3825
Type of gen. func.: ogf

$$\frac{8 x + 1}{(-1 + 16 x) (4 x - 1)}$$

Sequence: A079598
Score: 5.48287
Type of gen. func.: ogf

$$(27 f(x) + 22) (64 f(x) x^2 - 20 f(x) x + f(x) - 8 x - 1)$$

Sequence: A079598
Score: 5.74089
Type of gen. func.: ogf

$$\{-a(n + 2) + 20 a(n + 1) - 64 a(n), a(0) = 1, a(1) = 28\}$$

Sequence: A079598
Score: 6.68460
Type of gen. func.: lgdogf

$$-\frac{512 x^2 + 128 x - 28}{512 x^3 - 96 x^2 - 12 x + 1}$$

Sequence: A079599
Score: 27.2327
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^2 + 3 x + 2)}{(x - 1) (3 x + 1) (x + 1)}$$

Sequence: A079599
Score: 8.86560
Type of gen. func.: ogf

$$-\frac{2 x (128 x^{60} + 44 x^{59} + 3 x^2 + 4 x + 1)}{28 x^{61} + 48 x^{60} - 44 x^{59} - x^4 + 2 x^2 - 1}$$

Sequence: A079610
Score: 10.4441
Type of gen. func.: ogf

$$\frac{15 (21 x^2 + 28 x + 1)}{(x - 1)^4}$$

Sequence: A079610
Score: 11.0409
Type of gen. func.: lgdogf

$$42 x^2 + 126 x + 32$$

$$- \frac{\qquad}{21 x^3 + 7 x^2 - 27 x - 1}$$

Sequence: A079610
Score: 18.5121
Type of gen. func.: lgdogf

$$- \frac{2 (21 x^2 + 63 x + 16)}{(x - 1) (21 x^2 + 28 x + 1)}$$

Sequence: A079610
Score: 3.66284
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (49 + 27 n) a(n + 3) + (-140 - 7 n) a(n + 2)$$

$$+ (-63 - 21 n) a(n + 1), a(0) = 15, a(1) = 480, a(2) = 2145, a(3) = 5760\}$$

Sequence: A079610
Score: 5.36708
Type of gen. func.: ogf

$$(23095 f(x) + 7455849)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 315 x^2 + f(x) - 420 x - 15)$$

Sequence: A079662
Score: 15.9862
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^3 - 4 x^2 + 2 x - 1)}{(x - 1) (x^3 - x^2 + 2 x - 1)}$$

Sequence: A079662
Score: 8.62921
Type of gen. func.: ogf

$$\frac{(x - 1)}{(x^3 - x^2 + 2 x - 1)^2}$$

Sequence: A079662
Score: 9.16854
Type of gen. func.: lgdogf

$$- \frac{-4 x^3 + 8 x^2 - 4 x + 2}{-x^4 + 2 x^3 - 3 x^2 + 3 x - 1}$$

Sequence: A079675
Score: 15.1151
Type of gen. func.: lgdogf

$$\frac{4 x + 1}{(x - 1) (x^2 - x + 1) (x^3 - 4 x^2 + 5 x - 1)}$$

Sequence: A079675
Score: 6.02316
Type of gen. func.: ogf

$$\frac{(x - 1)^5}{(x^2 - x + 1) (x^3 - 4 x^2 + 5 x - 1)}$$

Sequence: A079675
Score: 7.61966
Type of gen. func.: lgdogf

$$- \frac{4 x + 1}{-x^6 + 6 x^5 - 15 x^4 + 20 x^3 - 16 x^2 + 7 x - 1}$$

Sequence: A079734
Score: 5.60089
Type of gen. func.: ogf

$$(3 x^{13} + 2 x^{12} + 3 x^{11} + 3 x^{10} - 4 x^{9} - 2 x^{8} - 2 x^{7} - 3 x^{6} - 2 x^{5} - x^{4} - x^{3}$$

$$+ 3 x + 2) \Big/ ((x - 1) (x + 1) (x^{4} + x^{2} - 1))$$

Sequence: A079746
Score: 3.55952
Type of gen. func.: ogf

$$(6 f(x) x - f(x) + 2 x + 1)^{3}$$

Sequence: A079751
Score: 4.07351
Type of gen. func.: ogf

$$\{(-n - 5) a(n + 1) + (n + 7) a(n + 2) - a(n + 3), a(0) = 0, a(1) = 1, a(2) = 6\}$$

Sequence: A079753
Score: 3.30816
Type of gen. func.: ogf

$$\{(-n^{2} - 10 n - 25) a(n + 1) + (n^{2} + 10 n + 23) a(n + 2) + (-n - 3) a(n + 3),$$

$$a(0) = 0, a(1) = 3, a(2) = 21\}$$

Sequence: A079754
Score: 3.26180
Type of gen. func.: ogf

$$\{(n^{2} + 9 n + 20) a(n + 1) + (-n^{2} - 9 n - 16) a(n + 2) + (n + 2) a(n + 3),$$

$$a(0) = 0, a(1) = 1, a(2) = 8\}$$

Sequence: A079757
Score: 12.9900
Type of gen. func.: ogf

$$\frac{2 x + 1}{{}^{2}}$$

$$(x + x + 1) (x + 1)$$

Sequence: A079757
Score: 23.5115
Type of gen. func.: lgdogf

$$- \frac{x (4 x^2 + 7 x + 4)}{(2 x + 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A079757
Score: 6.20244
Type of gen. func.: ogf

$$\{-a(n + 3) - 2 a(n + 2) - 2 a(n + 1) - a(n), a(0) = 1, a(1) = 0, a(2) = -2\}$$

Sequence: A079757
Score: 8.49964
Type of gen. func.: ogf

$$f(x) x^3 + 2 f(x) x^2 + 2 f(x) x + f(x) - 2 x - 1$$

Sequence: A079757
Score: 9.05883
Type of gen. func.: lgdogf

$$- \frac{-4 x^3 - 7 x^2 - 4 x}{-2 x^4 - 5 x^3 - 6 x^2 - 4 x - 1}$$

Sequence: A079758
Score: 4.44529
Type of gen. func.: ogf

$$-(6 f(x) x - f(x) + 2 x + 1)^3$$

Sequence: A079773
Score: 12.2284
Type of gen. func.: lgdogf

$$-\frac{-30 x - 2}{-15 x^2 - 2 x + 1}$$

Sequence: A079773
Score: 16.0900
Type of gen. func.: ogf

$$-\frac{x}{(3 x + 1) (5 x - 1)}$$

Sequence: A079773
Score: 16.7226
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (64 x^2 + 4 x + 1)^{1/2}}{30 x}$$

Sequence: A079773
Score: 22.2968
Type of gen. func.: lgdogf

$$-\frac{2 (15 x + 1)}{(3 x + 1) (5 x - 1)}$$

Sequence: A079773
Score: 7.45635
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 15 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A079773
Score: 7.45636
Type of gen. func.: ogf

2

$$(2 f(x) + 1) (15 f(x) x + 2 f(x) x - f(x) + x)$$

Sequence: A079810
Score: 9.44394
Type of gen. func.: ogf

$$- \frac{3 x^4 - 2 x^3 + 4 x^2 + 1}{(x + 1)^2 (x^2 + 1)^2 (x - 1)^3}$$

Sequence: A079810
Score: 9.47436
Type of gen. func.: lgdogf

$$- \frac{15 x^7 - 9 x^6 + 29 x^5 + 5 x^4 + 23 x^3 - x^2 + 9 x + 1}{(x - 1) (x + 1) (x^2 + 1) (3 x^4 - 2 x^3 + 4 x^2 + 1)}$$

Sequence: A079816
Score: 13.9668
Type of gen. func.: ogf

$$- \frac{1}{x^6 + x^5 + x^4 + x^3 + x - 1}$$

Sequence: A079816
Score: 14.5159
Type of gen. func.: lgdogf

$$- \frac{6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 1}{x^6 + x^5 + x^4 + x^3 + x - 1}$$

Sequence: A079816
Score: 7.40239
Type of gen. func.: lgdogf

5   4   3   2

$$-\frac{-6 x - 5 x - 4 x - 3 x - 1}{-x^{6} - x^{5} - x^{4} - x^{3} - x + 1}$$

Sequence: A079824
Score: 7.62965
Type of gen. func.: ogf

$$\frac{x^{4} + 2 x^{3} + 2 x^{2} + x + 1}{(x + 1)^{3} (x - 1)^{4}}$$

Sequence: A079838
Score: 2.02489
Type of gen. func.: ogf

$$(2 f(x) x - f(x) + 1)^{2}$$

Sequence: A079859
Score: 16.3115
Type of gen. func.: lgdogf

$$-\frac{-6 x + 5}{-6 x^{2} + 7 x - 2}$$

Sequence: A079859
Score: 17.3989
Type of gen. func.: ogf

$$-\frac{2 (3 x - 2)}{(2 x - 1)^{2}}$$

Sequence: A079859
Score: 19.2417
Type of gen. func.: revogf

$$-2 - 2 x + (2 x + 4)^{1/2}$$

```
- -----------------------
        2 (2 x + 3)
```

Sequence: A079859
Score: 25.9023
Type of gen. func.: lgdogf

```
        -5 + 6 x
- -------------------
  (2 x - 1) (3 x - 2)
```

Sequence: A079859
Score: 9.10406
Type of gen. func.: ogf

```
                         2
(2 f(x) + 17) (4 f(x) x  - 4 f(x) x + f(x) + 6 x - 4)
```

Sequence: A079859
Score: 9.43313
Type of gen. func.: ogf

```
{-a(n + 2) + 4 a(n + 1) - 4 a(n), a(0) = 4, a(1) = 10}
```

Sequence: A079861
Score: 12.6239
Type of gen. func.: lgdogf

```
     -18 x + 11
- -----------------
         2
  -18 x  + 19 x - 5
```

Sequence: A079861
Score: 13.9669
Type of gen. func.: ogf

```
   2 (9 x - 5)
- ------------
            2
   (2 x - 1)
```

Sequence: A079861
Score: 17.8643
Type of gen. func.: revogf

$$-\frac{-5 - 2 x + (25 + 2 x)^{1/2}}{2 (9 + 2 x)}$$

Sequence: A079861
Score: 22.9684
Type of gen. func.: lgdogf

$$-\frac{-11 + 18 x}{(2 x - 1) (9 x - 5)}$$

Sequence: A079861
Score: 7.37578
Type of gen. func.: ogf

$$(2 f(x) + 101) (4 f(x) x^2 - 4 f(x) x + f(x) + 18 x - 10)$$

Sequence: A079861
Score: 7.81480
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 4 a(n), a(0) = 10, a(1) = 22\}$$

Sequence: A079862
Score: 14.6513
Type of gen. func.: lgdogf

$$-\frac{-34 x + 19}{-34 x^2 + 35 x - 9}$$

Sequence: A079862
Score: 16.2100
Type of gen. func.: ogf

$$-\frac{2 (17 x - 9)}{}$$

$$(2x-1)^2$$

Sequence: A079862
Score: 16.4792
Type of gen. func.: revogf

$$-\frac{-9-2x+(81+2x)^{1/2}}{2(17+2x)}$$

Sequence: A079862
Score: 21.7761
Type of gen. func.: lgdogf

$$-\frac{-19+34x}{(2x-1)(17x-9)}$$

Sequence: A079862
Score: 8.56032
Type of gen. func.: ogf

$$(2f(x)+325)(4f(x)x^2-4f(x)x+f(x)+34x-18)$$

Sequence: A079862
Score: 9.06987
Type of gen. func.: ogf

$$\{-a(n+2)+4a(n+1)-4a(n), a(0)=18, a(1)=38\}$$

Sequence: A079863
Score: 14.6958
Type of gen. func.: lgdogf

$$-\frac{-66x+35}{-66x^2+67x-17}$$

Sequence: A079863
Score: 16.0567
Type of gen. func.: revogf

$$-\frac{-17 - 2 x + (289 + 2 x)^{1/2}}{2 (33 + 2 x)}$$

Sequence: A079863
Score: 16.5718
Type of gen. func.: ogf

$$-\frac{2 (33 x - 17)}{(2 x - 1)^2}$$

Sequence: A079863
Score: 21.5934
Type of gen. func.: lgdogf

$$-\frac{-35 + 66 x}{(2 x - 1) (33 x - 17)}$$

Sequence: A079863
Score: 8.65416
Type of gen. func.: ogf

$$(2 f(x) + 1157) (4 f(x) x^2 - 4 f(x) x + f(x) + 66 x - 34)$$

Sequence: A079863
Score: 9.27232
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 4 a(n), a(0) = 34, a(1) = 70\}$$

Sequence: A079902
Score: 12.2559
Type of gen. func.: ogf_with_Euler_transform]

$$-2 x^4 + 2 x^3 + 4 x$$

$$- \frac{}{-x^{3} - x^{2} - x - 1}$$

Sequence: A079903
Score: 11.9325
Type of gen. func.: lgdogf

$$- \frac{x^{4} + 50 x^{3} + 249 x^{2} + 212 x + 28}{(x - 1) (x^{4} + 23 x^{3} + 60 x^{2} + 23 x + 1)}$$

Sequence: A079903
Score: 7.22392
Type of gen. func.: lgdogf

$$- \frac{-x^{4} - 50 x^{3} - 249 x^{2} - 212 x - 28}{-x^{5} - 22 x^{4} - 37 x^{3} + 37 x^{2} + 22 x + 1}$$

Sequence: A079903
Score: 7.81363
Type of gen. func.: ogf

$$- \frac{x^{4} + 23 x^{3} + 60 x^{2} + 23 x + 1}{(x - 1)^{5}}$$

Sequence: A079908
Score: 10.3087
Type of gen. func.: ogf

$$\frac{x^{4} + 4 x^{2} + 1}{(x - 1)^{4}}$$

Sequence: A079908
Score: 19.4152
Type of gen. func.: lgdogf

$$-\frac{4\,(x+1)\,(x^2+x+1)}{(x-1)\,(x^4+4\,x^2+1)}$$

Sequence: A079908
Score: 5.57431
Type of gen. func.: ogf

$$(30\,f(x)-11)\,(f(x)\,x^4-4\,f(x)\,x^3-x^4+6\,f(x)\,x^2-4\,f(x)\,x-4\,x^2+f(x)-1)$$

Sequence: A079908
Score: 8.55150
Type of gen. func.: lgdogf

$$-\frac{-4\,x^3-8\,x^2-8\,x-4}{-x^5+x^4-4\,x^3+4\,x^2-x+1}$$

Sequence: A079909
Score: 10.0169
Type of gen. func.: lgdogf

$$\frac{x^6-6\,x^5-11\,x^4-44\,x^3-33\,x^2-22\,x-5}{(x-1)\,(x^2+1)\,(x^4+10\,x^2+1)}$$

Sequence: A079909
Score: 7.58357
Type of gen. func.: ogf

$$-\frac{(x^2+1)\,(x^4+10\,x^2+1)}{(x-1)^5}$$

Sequence: A079910
Score: 5.66072
Type of gen. func.: ogf

$$\frac{6x^7+11x^6+20x^5+51x^4+6x^3+25x^2+1}{(x-1)^6}$$

Sequence: A079910
Score: 6.83496
Type of gen. func.: lgdogf

$$\frac{2(3x^7-21x^6-43x^5-101x^4-111x^3-59x^2-25x-3)}{(x-1)(6x^7+11x^6+20x^5+51x^4+6x^3+25x^2+1)}$$

Sequence: A079911
Score: 4.09665
Type of gen. func.: ogf

$$-(6x^{10}-29x^9+120x^8-49x^7+267x^6+105x^5+211x^4+37x^3+51x^2+1)\Big/(x-1)^7$$

Sequence: A079921
Score: 10.2386
Type of gen. func.: ogf

$$-\frac{x^3-x^2-2x+3}{(x^2+x-1)(x-1)^2}$$

Sequence: A079921
Score: 12.6892
Type of gen. func.: lgdogf

$$-\frac{x^5-x^4-4x^3+6x^2+7x-7}{(x-1)(x^2+x-1)(x^3-x^2-2x+3)}$$

Sequence: A079921
Score: 4.30805
Type of gen. func.: ogf

$$\{(n + 6) a(n + 1) + a(n + 2) + (-2 n - 11) a(n + 3) + (n + 5) a(n + 4),$$
$$a(0) = 3, a(1) = 7, a(2) = 14, a(3) = 26\}$$

Sequence: A079921
Score: 5.75456
Type of gen. func.: ogf

$$(3 f(x) + 1)$$
$$(f(x) x^4 - f(x) x^3 - 2 f(x) x^2 + x^3 + 3 f(x) x - x^2 - f(x) - 2 x + 3)$$

Sequence: A079922
Score: 6.84355
Type of gen. func.: ogf

$$- \frac{x^7 - 4 x^4 + 2 x^3 + 3 x - 4}{(x - 1)^2 (x^3 + x^2 + x - 1)^2}$$

Sequence: A079922
Score: 7.00136
Type of gen. func.: lgdogf

$$- \frac{x^{10} - 6 x^7 + 3 x^6 + 5 x^4 - 12 x^3 - 6 x^2 - 6 x + 13}{(x - 1) (x^3 + x^2 + x - 1) (x^7 - 4 x^4 + 2 x^3 + 3 x - 4)}$$

Sequence: A079929
Score: 4.81583
Type of gen. func.: ogf

$$\{(9 n^2 + 36 n + 35) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 8\}$$

Sequence: A079934
Score: 8.22747
Type of gen. func.: ogf

$$\frac{(x-1)(2x^8+2x^7+2x^6-11x^5-12x^4-13x^3-9x^2-4x-1)}{x^6-6x^3+1}$$

Sequence: A079935
Score: 13.8422
Type of gen. func.: ogf

$$-\frac{x-1}{x^2-4x+1}$$

Sequence: A079935
Score: 15.2546
Type of gen. func.: revogf

$$-\frac{-1-4x+(12x^2+4x+1)^{1/2}}{2(x+1)}$$

Sequence: A079935
Score: 20.3395
Type of gen. func.: lgdogf

$$-\frac{x^2-2x+3}{(x-1)(x^2-4x+1)}$$

Sequence: A079935
Score: 6.92109
Type of gen. func.: ogf

$$-(10f(x)-1)(f(x)x^2-4f(x)x+f(x)+x-1)$$

Sequence: A079935
Score: 7.59632
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A079935
Score: 9.73278
Type of gen. func.: lgdogf

$$-\frac{-x^{2} + 2 x - 3}{-x^{3} + 5 x^{2} - 5 x + 1}$$

Sequence: A079947
Score: 4.84573
Type of gen. func.: ogf

$$-(x^{39} - x^{35} + x^{33} - x^{32} + x^{23} - x^{19} + x^{17} - x^{16} - x^{15} + x^{7} - x^{3} + x - 1) / ((x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x^{8} - x^{4} + 1) (x^{16} - x^{8} + 1) (x - 1)^{2})$$

Sequence: A079949
Score: 117.433
Type of gen. func.: lgdegf]

$$6 + 2 x$$

Sequence: A079949
Score: 5.03484
Type of gen. func.: ogf

$$\{(-2 n - 4) a(n + 1) + a(n + 3) - 6 a(n + 2), a(0) = 1, a(1) = 6, a(2) = 38\}$$

Sequence: A079955
Score: 11.5224

Type of gen. func.: lgdogf

$$-\frac{-6x^5 - 5x^4 - 2x}{-x^6 - x^5 - x^2 + 1}$$

Sequence: A079955
Score: 17.8642
Type of gen. func.: lgdogf

$$-\frac{x(6x^4 + 5x^3 + 2)}{(x + 1)(x^2 - x + 1)(x^3 + x^2 - 1)}$$

Sequence: A079955
Score: 20.2345
Type of gen. func.: ogf

$$-\frac{1}{(x + 1)(x^2 - x + 1)(x^3 + x^2 - 1)}$$

Sequence: A079956
Score: 10.7099
Type of gen. func.: lgdogf

$$-\frac{-6x^5 - 4x^3 - 3x^2}{-x^6 - x^4 - x^3 + 1}$$

Sequence: A079956
Score: 16.8751
Type of gen. func.: lgdogf

$$-\frac{x^2(6x^3 + 4x + 3)}{(x + 1)(x^5 - x^4 + 2x^3 - x^2 + x - 1)}$$

Sequence: A079956
Score: 19.8526
Type of gen. func.: ogf

$$-\frac{1}{(x+1)(x^5-x^4+2x^3-x^2+x-1)}$$

Sequence: A079957
Score: 10.7598
Type of gen. func.: lgdogf

$$-\frac{-6x^5-5x^4-3x^2}{-x^6-x^5-x^3+1}$$

Sequence: A079957
Score: 18.1720
Type of gen. func.: ogf

$$-\frac{1}{x^6+x^5+x^3-1}$$

Sequence: A079957
Score: 22.1011
Type of gen. func.: lgdogf

$$-\frac{x^2(6x^3+5x^2+3)}{x^6+x^5+x^3-1}$$

Sequence: A079958
Score: 15.0254
Type of gen. func.: lgdogf

$$-\frac{6x^5+3x^2+2x+1}{(x^2+x+1)(x^4-x^3+2x-1)}$$

Sequence: A079958
Score: 15.6727
Type of gen. func.: ogf

$$-\frac{1}{(x^2+x+1)\,(x^4-x^3+2x-1)}$$

Sequence: A079958
Score: 8.81590
Type of gen. func.: lgdogf

$$-\frac{-6x^5-3x^2-2x-1}{-x^6-x^3-x^2-x+1}$$

Sequence: A079959
Score: 15.8806
Type of gen. func.: ogf

$$-\frac{1}{x^6+x^4+x^2+x-1}$$

Sequence: A079959
Score: 18.4317
Type of gen. func.: lgdogf

$$-\frac{6x^5+4x^3+2x+1}{x^6+x^4+x^2+x-1}$$

Sequence: A079959
Score: 8.93281
Type of gen. func.: lgdogf

$$-\frac{-6x^5-4x^3-2x-1}{-x^6-x^4-x^2-x+1}$$

Sequence: A079960
Score: 14.6998
Type of gen. func.: ogf

$$-\frac{1}{x^6 + x^5 + x^2 + x - 1}$$

Sequence: A079960
Score: 18.5777
Type of gen. func.: lgdogf

$$-\frac{6 x^5 + 5 x^4 + 2 x + 1}{x^6 + x^5 + x^2 + x - 1}$$

Sequence: A079960
Score: 9.00360
Type of gen. func.: lgdogf

$$-\frac{-6 x^5 - 5 x^4 - 2 x - 1}{-x^6 - x^5 - x^2 - x + 1}$$

Sequence: A079961
Score: 16.4904
Type of gen. func.: ogf

$$-\frac{1}{x^6 + x^4 + x^3 + x - 1}$$

Sequence: A079961
Score: 18.1880
Type of gen. func.: lgdogf

$$-\frac{6 x^5 + 4 x^3 + 3 x^2 + 1}{}$$

$$x^6 + x^4 + x^3 + x - 1$$

Sequence: A079961
Score: 8.83414
Type of gen. func.: lgdogf

$$-\frac{-6x^5 - 4x^3 - 3x^2 - 1}{-x^6 - x^4 - x^3 - x + 1}$$

Sequence: A079962
Score: 12.6961
Type of gen. func.: lgdogf

$$-\frac{(3x^2 + x + 1)(2x^3 + x^2 - x + 1)}{(x^2 + x + 1)(x^2 - x + 1)(x^2 + x - 1)}$$

Sequence: A079962
Score: 15.3271
Type of gen. func.: ogf

$$-\frac{1}{(x^2 + x + 1)(x^2 - x + 1)(x^2 + x - 1)}$$

Sequence: A079962
Score: 8.94083
Type of gen. func.: lgdogf

$$-\frac{-6x^5 - 5x^4 - 3x^2 - 1}{-x^6 - x^5 - x^3 - x + 1}$$

Sequence: A079963
Score: 16.3950
Type of gen. func.: ogf

$$-\frac{1}{x^6 + x^5 + x^4 + x - 1}$$

Sequence: A079963
Score: 18.0755
Type of gen. func.: lgdogf

$$-\frac{6 x^5 + 5 x^4 + 4 x^3 + 1}{x^6 + x^5 + x^4 + x - 1}$$

Sequence: A079963
Score: 8.78305
Type of gen. func.: lgdogf

$$-\frac{6 x^5 + 5 x^4 + 4 x^3 + 1}{x^6 + x^5 + x^4 + x - 1}$$

Sequence: A079964
Score: 14.3160
Type of gen. func.: ogf

$$-\frac{1}{(x^2 + x + 1) (x^4 - x^3 + x^2 + x - 1)}$$

Sequence: A079964
Score: 14.9507
Type of gen. func.: lgdogf

$$-\frac{x (6 x^4 + 4 x^2 + 3 x + 2)}{(x^2 + x + 1) (x^4 - x^3 + x^2 + x - 1)}$$

Sequence: A079964
Score: 8.62212
Type of gen. func.: lgdogf

$$-\frac{6 x^5 + 4 x^3 + 3 x^2 + 2 x}{x^6 + x^4 + x^3 + x^2 - 1}$$

Sequence: A079965
Score: 14.9940
Type of gen. func.: ogf

$$-\frac{1}{x^6 + x^5 + x^3 + x^2 - 1}$$

Sequence: A079965
Score: 17.4073
Type of gen. func.: lgdogf

$$-\frac{x (x + 1) (6 x^3 - x^2 + x + 2)}{x^6 + x^5 + x^3 + x^2 - 1}$$

Sequence: A079965
Score: 9.03045
Type of gen. func.: lgdogf

$$-\frac{6 x^5 + 5 x^4 + 3 x^2 + 2 x}{x^6 + x^5 + x^3 + x^2 - 1}$$

Sequence: A079966
Score: 14.7239
Type of gen. func.: ogf

$$-\frac{1}{x^6 + x^5 + x^4 + x^2 - 1}$$

Sequence: A079966

Score: 17.1723
Type of gen. func.: lgdogf

$$-\frac{x\,(6\,x^4+5\,x^3+4\,x^2+2)}{x^6+x^5+x^4+x^2-1}$$

Sequence: A079966
Score: 8.86778
Type of gen. func.: lgdogf

$$-\frac{-6\,x^5-5\,x^4-4\,x^3-2\,x}{-x^6-x^5-x^4-x^2+1}$$

Sequence: A079967
Score: 12.4639
Type of gen. func.: lgdogf

$$-\frac{6\,x^5+4\,x^3+3\,x^2+2\,x+1}{(x+1)\,(x^5-x^4+2\,x^3-x^2+2\,x-1)}$$

Sequence: A079967
Score: 13.9058
Type of gen. func.: ogf

$$-\frac{1}{(x+1)\,(x^5-x^4+2\,x^3-x^2+2\,x-1)}$$

Sequence: A079967
Score: 7.67718
Type of gen. func.: lgdogf

$$-\frac{-6\,x^5-4\,x^3-3\,x^2-2\,x-1}{-x^6-x^4-x^3-x^2-x+1}$$

Sequence: A079968
Score: 13.5732
Type of gen. func.: ogf

$$-\frac{1}{x^6+x^5+x^3+x^2+x-1}$$

Sequence: A079968
Score: 14.6932
Type of gen. func.: lgdogf

$$-\frac{6\,x^5+5\,x^4+3\,x^2+2\,x+1}{x^6+x^5+x^3+x^2+x-1}$$

Sequence: A079968
Score: 7.49351
Type of gen. func.: lgdogf

$$-\frac{-6\,x^5-5\,x^4-3\,x^2-2\,x-1}{-x^6-x^5-x^3-x^2-x+1}$$

Sequence: A079969
Score: 12.7612
Type of gen. func.: lgdogf

$$-\frac{6\,x^5+5\,x^4+4\,x^3+2\,x+1}{(x+1)\,(x^2-x+1)\,(x^3+x^2+x-1)}$$

Sequence: A079969
Score: 12.7868
Type of gen. func.: ogf

$$-\frac{1}{(x+1)\,(x^2-x+1)\,(x^3+x^2+x-1)}$$

Sequence: A079969
Score: 7.59216
Type of gen. func.: lgdogf

$$-\frac{-6x^5-5x^4-4x^3-2x-1}{-x^6-x^5-x^4-x^2-x+1}$$

Sequence: A079970
Score: 4.12619
Type of gen. func.: ogf

$$-\frac{1}{x^6+x^5+x^4+x^3+x-1}$$

Sequence: A079971
Score: 11.6227
Type of gen. func.: lgdogf

$$-\frac{-5x^4-2x-1}{-x^5-x^2-x+1}$$

Sequence: A079971
Score: 20.1041
Type of gen. func.: ogf

$$-\frac{1}{x^5+x^2+x-1}$$

Sequence: A079971
Score: 26.0502
Type of gen. func.: lgdogf

```
       4
    5 x  + 2 x + 1
  - ---------------
     5    2
```

$$x + x + x - 1$$

Sequence: A079972
Score: 11.2680
Type of gen. func.: lgdogf

$$-\frac{5 x^{4} + 4 x^{3} + 1}{x^{5} + x^{4} + x - 1}$$

Sequence: A079972
Score: 18.6883
Type of gen. func.: ogf

$$-\frac{1}{x^{5} + x^{4} + x - 1}$$

Sequence: A079972
Score: 25.0424
Type of gen. func.: lgdogf

$$-\frac{5 x^{4} + 4 x^{3} + 1}{x^{5} + x^{4} + x - 1}$$

Sequence: A079972
Score: 7.73962
Type of gen. func.: ogf

$$(4 f(x) - 1) (f(x) x^{5} + f(x) x^{4} + f(x) x - f(x) + 1)$$

Sequence: A079973
Score: 10.8913
Type of gen. func.: lgdogf

$$-\frac{5 x^{4} + 3 x^{2} + 2 x}{{}^{5} \qquad {}^{3} \qquad {}^{2}}$$

$$x + x + x - 1$$

Sequence: A079973
Score: 17.4260
Type of gen. func.: ogf

$$-\frac{1}{x^5 + x^3 + x^2 - 1}$$

Sequence: A079973
Score: 23.4167
Type of gen. func.: lgdogf

$$-\frac{x (5 x^3 + 3 x + 2)}{x^5 + x^3 + x^2 - 1}$$

Sequence: A079974
Score: 11.3448
Type of gen. func.: lgdogf

$$-\frac{-5 x^4 - 4 x^3 - 2 x}{-x^5 - x^4 - x^2 + 1}$$

Sequence: A079974
Score: 18.1516
Type of gen. func.: ogf

$$-\frac{1}{(x + 1) (x^4 + x - 1)}$$

Sequence: A079974
Score: 23.7965
Type of gen. func.: lgdogf

$$x (5 x^3 + 4 x^2 + 2)$$

$$-\frac{}{(x + 1) (x^4 + x - 1)}$$

Sequence: A079975
Score: 15.8294
Type of gen. func.: ogf

$$-\frac{1}{x^5 + x^3 + x^2 + x - 1}$$

Sequence: A079975
Score: 18.3742
Type of gen. func.: lgdogf

$$-\frac{5 x^4 + 3 x^2 + 2 x + 1}{x^5 + x^3 + x^2 + x - 1}$$

Sequence: A079975
Score: 8.90406
Type of gen. func.: lgdogf

$$-\frac{-5 x^4 - 3 x^2 - 2 x - 1}{-x^5 - x^3 - x^2 - x + 1}$$

Sequence: A079976
Score: 14.6568
Type of gen. func.: ogf

$$-\frac{1}{x^5 + x^4 + x^2 + x - 1}$$

Sequence: A079976
Score: 17.5990
Type of gen. func.: lgdogf

$$-\frac{(x + 1) (5 x^3 - x^2 + x + 1)}{x^5 + x^4 + x^2 + x - 1}$$

Sequence: A079976
Score: 8.97726
Type of gen. func.: lgdogf

$$-\frac{-5 x^4 - 4 x^3 - 2 x - 1}{-x^5 - x^4 - x^2 - x + 1}$$

Sequence: A079977
Score: 12.6997
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 - 2 x}{-x^4 - x^2 + 1}$$

Sequence: A079977
Score: 17.0430
Type of gen. func.: lgdogf

$$a(n + 4) - a(n + 2) - a(n), a(0) = 0, a(1) = 2, a(2) = 0, a(3) = 6$$

Sequence: A079977
Score: 19.2211
Type of gen. func.: ogf

$$-\frac{1}{x^4 + x^2 - 1}$$

Sequence: A079977
Score: 8.78001
Type of gen. func.: ogf

4 2

$$(5 f(x) - 4) (f(x) x + f(x) x - f(x) + 1)$$

Sequence: A079978
Score: 12.962
Type of gen. func.: ogf

$$-f(x) x^3 + f(x) - 1$$

Sequence: A079978
Score: 14.7623
Type of gen. func.: lgdogf

$$\frac{3 x^2}{-x^3 + 1}$$

Sequence: A079978
Score: 21.2577
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (x^2 + x + 1)}$$

Sequence: A079978
Score: 31.1805
Type of gen. func.: ogf_with_Euler_transform]

$$[x^2]$$

Sequence: A079978
Score: 33.5914
Type of gen. func.: lgdogf

$$- \frac{3 x^2}{(x - 1) (x^2 + x + 1)}$$

Sequence: A079978
Score: 7.18166
Type of gen. func.: ogf

$$\{a(n + 3) - a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$$

Sequence: A079979
Score: 19.3164
Type of gen. func.: lgdogf

$$\frac{6 x^5}{-x^6 + 1}$$

Sequence: A079979
Score: 19.5306
Type of gen. func.: lgdogf

$$- \frac{6 x^5}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A079979
Score: 27.8156
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A079979
Score: 40.8345
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5]$$

Sequence: A079980

Score: 6.62588
Type of gen. func.: lgdogf

$$-\frac{x\,(3\,x^{10}+x^{8}-9\,x^{7}-2\,x^{6}-11\,x^{5}-14\,x^{3}-8\,x^{2}-6\,x-2)}{(x-1)\,(x^{2}+x+1)\,(x^{9}+x^{7}-2\,x^{6}+2\,x^{5}+2\,x^{4}+4\,x^{3}+x^{2}-1)}$$

Sequence: A079980
Score: 7.32191
Type of gen. func.: ogf

$$-\frac{(x-1)^{2}\,(x^{2}+x+1)^{2}}{x^{9}+x^{7}-2\,x^{6}+2\,x^{5}+2\,x^{4}+4\,x^{3}+x^{2}-1}$$

Sequence: A079981
Score: 6.78017
Type of gen. func.: ogf

$$-\frac{(x-1)^{2}\,(x+1)^{2}\,(x^{2}+x+1)^{2}\,(x^{2}-x+1)^{2}}{x^{18}+x^{14}-2\,x^{12}+2\,x^{10}+2\,x^{8}+4\,x^{6}+x^{4}-1}$$

Sequence: A079985
Score: 3.75424
Type of gen. func.: ogf

$$-\frac{x^{8}+x^{7}-x^{6}-x^{5}-2\,x^{4}+x^{3}-x^{2}-x+1}{(x^{6}-x^{5}-x-1)\,(x^{8}+2\,x^{7}+x^{6}-3\,x^{4}+x^{2}-2\,x+1)}$$

Sequence: A079986
Score: 5.57035
Type of gen. func.: lgdogf

$$-\frac{2\,x\,(3\,x^{16}+4\,x^{14}+6\,x^{12}-4\,x^{10}-12\,x^{6}+14\,x^{4}+4\,x^{2}+1)}{(x^{6}+x^{4}+x^{2}-1)\,(x^{3}-x^{2}+x+1)\,(x^{3}+x^{2}+x-1)\,(x^{6}-x^{4}-x^{2}-1)}$$

Sequence: A079986
Score: 6.24196
Type of gen. func.: ogf

$$-\frac{x^6+x^4+x^2-1}{(x^3-x^2+x+1)\,(x^3+x^2+x-1)\,(x^6-x^4-x^2-1)}$$

Sequence: A079991
Score: 5.19861
Type of gen. func.: ogf

$$-\frac{x^8+x^7-x^6-2\,x^4-x^2-x+1}{x^{14}+2\,x^{13}-3\,x^{10}-x^8-8\,x^7+x^6+3\,x^4+2\,x-1}$$

Sequence: A079992
Score: 3.96685
Type of gen. func.: ogf

$$-(x-1)\,(x+1)\,(x^2+x+1)\,(x^4-x^3+x^2+x-1)\ /\ (x^{14}+x^{13}-x^{12}+x^{11}+x^{10}+x^9-9\,x^8-5\,x^7+3\,x^6+x^5+x^4-x^3+3\,x^2+x-1)$$

Sequence: A079997
Score: 4.36105
Type of gen. func.: ogf

$$-(x^8+x^7-x^5-2\,x^4+x^3-2\,x^2-x+1)\ /\ ((x+1)\,(x^{13}-x^{11}+x^{10}-x^9-x^8-9\,x^7-3\,x^6+3\,x^5+7\,x^4-x^3+x^2+2\,x-1))$$

Sequence: A079998
Score: 16.9698
Type of gen. func.: lgdogf

$$\frac{5x^4}{-x^5+1}$$

Sequence: A079998
Score: 24.4364
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(x^4+x^3+x^2+x+1)}$$

Sequence: A079998
Score: 24.5708
Type of gen. func.: lgdogf

$$-\frac{5x^4}{(x-1)(x^4+x^3+x^2+x+1)}$$

Sequence: A079998
Score: 35.8629
Type of gen. func.: ogf_with_Euler_transform]

$$[x^4]$$

Sequence: A079999
Score: 7.74692
Type of gen. func.: lgdogf

$$-\frac{x^3(5x^{11}+10x^9+4x^7-10x^6-2x^5-10x^4-x^3+6x^2+5x+4)}{(x^5+x^3-1)(x^{10}+x^8-x^6-2x^5-x^4-x^3+1)}$$

Sequence: A079999
Score: 8.77730
Type of gen. func.: ogf

$$-\frac{x^5+x^3-1}{x^{10}+x^8-x^6-2x^5-x^4-x^3+1}$$

Sequence: A080000
Score: 10.9168
Type of gen. func.: ogf

$$-\frac{(x-1)(x^4+x^3+x^2+x+1)}{x^{10}-x^7+x^6-2x^5-x+1}$$

Sequence: A080000
Score: 7.80954
Type of gen. func.: lgdogf

$$-\frac{5x^{14}-2x^{11}+x^{10}-10x^9+7x^6-2x^5+5x^4+1}{(x-1)(x^4+x^3+x^2+x+1)(x^{10}-x^7+x^6-2x^5-x+1)}$$

Sequence: A080001
Score: 7.55264
Type of gen. func.: lgdogf

$$-\frac{x^2(5x^{12}+4x^{11}-10x^7-8x^6+2x^5+5x^2+4x+3)}{(x-1)(x^4+x^3+x^2+x+1)(x^{10}+x^9-2x^5-x^4-x^3+1)}$$

Sequence: A080001
Score: 9.97578
Type of gen. func.: ogf

$$-\frac{(x-1)(x^4+x^3+x^2+x+1)}{x^{10}+x^9-2x^5-x^4-x^3+1}$$

Sequence: A080002
Score: 7.09152
Type of gen. func.: lgdogf

$$-\frac{x^3\,(5x^{11}+10x^8+x^7-10x^6+6x^5+4x^4-10x^3-8x^2+5x+4)}{(x-1)\,(x^3+x^2-1)\,(x^5+x^2-1)\,(x^6+x^4+2x^3+x^2+x+1)}$$

Sequence: A080002
Score: 8.78424
Type of gen. func.: ogf

$$-\frac{x^5+x^2-1}{(x-1)\,(x^3+x^2-1)\,(x^6+x^4+2x^3+x^2+x+1)}$$

Sequence: A080003
Score: 7.14698
Type of gen. func.: ogf

$$-\frac{x^5+x^3-1}{x^{10}+x^8-x^7-2x^5-2x^4-x^3-x+1}$$

Sequence: A080004
Score: 7.14698
Type of gen. func.: ogf

$$-\frac{(x-1)\,(x^4+x^3+x^2+x+1)}{x^{10}+x^9-x^7+x^6-4x^5-x^4-x^3-x+1}$$

Sequence: A080005
Score: 6.57703
Type of gen. func.: lgdogf

$$-(5x^{14}-3x^{12}+8x^{11}+2x^{10}-16x^9+x^8+16x^7-10x^5+4x^3+x^2+1)\;\Big/\;((x^5+x^2-1)\,(x^{10}-x^8+2x^6-x^5-x^4-x^2-x+1))$$

Sequence: A080005
Score: 7.66399
Type of gen. func.: ogf

$$-\frac{x^{5}+x^{2}-1}{x^{10}-x^{8}+2x^{6}-x^{5}-x^{4}-x^{2}-x+1}$$

Sequence: A080006
Score: 6.48291
Type of gen. func.: ogf

$$-\frac{x^{5}+x^{3}-1}{(x^{4}+x^{3}+x^{2}+x+1)(x^{6}-x^{3}-x^{2}-x+1)}$$

Sequence: A080007
Score: 6.59814
Type of gen. func.: ogf

$$-\frac{x^{5}+x^{3}+x^{2}-1}{x^{10}+x^{8}+2x^{7}-4x^{5}-2x^{4}-2x^{3}-x^{2}+1}$$

Sequence: A080008
Score: 6.12781
Type of gen. func.: lgdogf

$$-x^{2}(5x^{12}+4x^{11}+10x^{9}+7x^{8}-10x^{7}-2x^{6}+2x^{5}-10x^{4}-4x^{3}+4x^{2}+8x+3) \Big/ ((x+1)(x^{5}+x^{2}-1)(x^{9}+x^{6}-x^{5}-x^{4}-x^{3}-x+1))$$

Sequence: A080008
Score: 7.34160
Type of gen. func.: ogf

$$-\frac{x^5+x^2-1}{(x+1)(x^9+x^6-x^5-x^4-x^3-x+1)}$$

Sequence: A080009
Score: 6.17516
Type of gen. func.: ogf

$$-\frac{x^5+x^3-1}{x^{10}+x^9+x^8-x^7-5x^5-3x^4-2x^3-x^2-x+1}$$

Sequence: A080010
Score: 5.93418
Type of gen. func.: ogf

$$-\frac{x^5+x^3+x^2-1}{x^{10}+x^7+2x^6-3x^5-3x^4-2x^3-x^2-x+1}$$

Sequence: A080011
Score: 5.98904
Type of gen. func.: ogf

$$-\frac{x^5+x^2-1}{x^{10}+x^9-x^8+x^6-3x^5-2x^4-x^3-x^2-x+1}$$

Sequence: A080012
Score: 5.52868
Type of gen. func.: ogf

$$-\frac{x^5+x^3+x^2-1}{x^{10}+x^9+x^8+2x^7-x^6-5x^5-4x^4-3x^3-2x^2+1}$$

Sequence: A080013

Score: 13.3910
Type of gen. func.: ogf

$$-\frac{(x-1)(x+1)}{x^6-x^4-x^3-x^2+1}$$

Sequence: A080013
Score: 14.7761
Type of gen. func.: lgdogf

$$-\frac{x^2(4x^5-8x^3-x^2+4x+3)}{(x-1)(x+1)(x^6-x^4-x^3-x^2+1)}$$

Sequence: A080013
Score: 8.55537
Type of gen. func.: lgdogf

$$-\frac{4x^7-8x^5-x^4+4x^3+3x^2}{x^8-2x^6-x^5+x^3+2x^2-1}$$

Sequence: A080014
Score: 8.99811
Type of gen. func.: ogf

$$-\frac{(x-1)(x+1)}{x^6+x^5-x^4-x^3-x^2-x+1}$$

Sequence: A080014
Score: 9.16186
Type of gen. func.: lgdogf

$$-\frac{4x^7+3x^6-8x^5-6x^4+4x^3+4x^2+1}{(x-1)(x+1)(x^6+x^5-x^4-x^3-x^2-x+1)}$$

Sequence: A080023
Score: 10.4767
Type of gen. func.: ogf

$$f(x) x^2 + f(x) x - x^2 - f(x) + x + 2$$

Sequence: A080023
Score: 11.6227
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 2 x + 3}{-x^4 + 4 x^2 + x - 2}$$

Sequence: A080023
Score: 14.0349
Type of gen. func.: ogf

$$\frac{(x + 1) (x - 2)}{x^2 + x - 1}$$

Sequence: A080023
Score: 20.8402
Type of gen. func.: lgdogf

$$\frac{2 x^2 + 2 x + 3}{(x - 2) (x + 1) (x^2 + x - 1)}$$

Sequence: A080023
Score: 7.29265
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - a(n + 1), a(0) = 2, a(1) = 3, a(2) = 4}

Sequence: A080029
Score: 11.1979
Type of gen. func.: lgdogf

$$-\frac{3\,(2x^6+x^5+8x^4+9x^3+5x^2+4x+1)}{(x-1)\,(3x^4+x^3+6x^2+3x+2)\,(x^2+x+1)}$$

Sequence: A080029
Score: 11.5078
Type of gen. func.: ogf

$$\frac{x\,(3x^4+x^3+6x^2+3x+2)}{(x-1)^2\,(x^2+x+1)^2}$$

Sequence: A080030
Score: 10.8491
Type of gen. func.: ogf

$$\frac{2x^5+5x^4+x^3+4x^2+x+2}{(x-1)^2\,(x^2+x+1)^2}$$

Sequence: A080030
Score: 9.36915
Type of gen. func.: lgdogf

$$-\frac{2x^7+10x^6+3x^5+26x^4+25x^3+15x^2+8x+1}{(x-1)\,(x^2+x+1)\,(2x^5+5x^4+x^3+4x^2+x+2)}$$

Sequence: A080031
Score: 10.8491
Type of gen. func.: ogf

$$\frac{x^5+4x^4+2x^3+5x^2+2x+1}{(x-1)^2\,(x^2+x+1)^2}$$

Sequence: A080031
Score: 9.36915
Type of gen. func.: lgdogf

$$-\frac{x^7+8x^6+6x^5+25x^4+26x^3+12x^2+10x+2}{(x-1)(x^2+x+1)(x^5+4x^4+2x^3+5x^2+2x+1)}$$

Sequence: A080032
Score: 8.10293
Type of gen. func.: ogf

$$-\frac{x(3x^{10}-2x^9+x^8-8x^6-3x^4-6x^3-x^2-4x-2)}{(x^2+1)^2(x-1)^2(x+1)^2}$$

Sequence: A080033
Score: 5.20607
Type of gen. func.: ogf

$$x(4x^{14}+x^{13}+8x^{12}+12x^{11}+3x^{10}+16x^9+6x^8+20x^7+16x^6+7x^5+12x^4+8x^3+5x^2+4x+2)\Big/\left((x-1)^2(x+1)^2(x^2+1)^2(x^4+1)^2\right)$$

Sequence: A080034
Score: 5.10992
Type of gen. func.: ogf

$$(x^{15}+5x^{14}+2x^{13}+9x^{12}+13x^{11}+4x^{10}+17x^9+7x^8+19x^7+15x^6+6x^5+11x^4+7x^3+4x^2+3x+1)\Big/\left((x-1)^2(x+1)^2(x^2+1)^2(x^4+1)^2\right)$$

Sequence: A080039
Score: 4.89348

Type of gen. func.: ogf

$$-(21 f(x) - 32)$$

$$(f(x) x^4 + 2 f(x) x^3 - 2 f(x) x^2 - 2 x^3 - 2 f(x) x + x^2 + f(x) - 1)$$

Sequence: A080039
Score: 9.31774
Type of gen. func.: ogf

$$\frac{2 x^3 - x^2 + 1}{(x - 1) (x + 1) (x^2 + 2 x - 1)}$$

Sequence: A080039
Score: 9.66269
Type of gen. func.: lgdogf

$$- \frac{2 (x^6 - x^5 + x^4 + 6 x^3 - x^2 - x - 1)}{(x - 1) (x + 1) (x^2 + 2 x - 1) (2 x^3 - x^2 + 1)}$$

Sequence: A080040
Score: 11.5943
Type of gen. func.: lgdogf

$$- \frac{2 x^2 - 4 x - 1}{2 x^3 - 3 x + 1}$$

Sequence: A080040
Score: 14.4284
Type of gen. func.: ogf

$$\frac{2 (x - 1)}{2 x^2 + 2 x - 1}$$

Sequence: A080040
Score: 18.1742
Type of gen. func.: lgdogf

$$-\frac{2 x^2 - 4 x - 1}{(x - 1) (2 x^2 + 2 x - 1)}$$

Sequence: A080040
Score: 7.54977
Type of gen. func.: ogf

$$(9 f(x) - 17) (2 f(x) x^2 + 2 f(x) x - f(x) - 2 x + 2)$$

Sequence: A080040
Score: 7.91805
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 2 a(n), a(0) = 2, a(1) = 2\}$$

Sequence: A080041
Score: 5.19424
Type of gen. func.: ogf

$$(5 f(x) + 1) (2 f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 - 2 x^3 - 2 f(x) x + f(x) - 1)$$

Sequence: A080041
Score: 9.78611
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^6 + 3 x^4 + 8 x^3 - 3 x - 1)}{(x - 1) (x + 1) (2 x^2 + 2 x - 1) (2 x^3 + 1)}$$

Sequence: A080041
Score: 9.98892
Type of gen. func.: ogf

3

$$\frac{2 x + 1}{(x - 1) (x + 1) (2 x^2 + 2 x - 1)}$$

Sequence: A080042
Score: 13.3258
Type of gen. func.: ogf

$$\frac{2 (2 x - 1)}{3 x^2 + 4 x - 1}$$

Sequence: A080042
Score: 15.0589
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^2 - 3 x - 1)}{(2 x - 1) (3 x^2 + 4 x - 1)}$$

Sequence: A080042
Score: 6.73778
Type of gen. func.: ogf

$$(133 f(x) - 234) (3 f(x) x^2 + 4 f(x) x - f(x) - 4 x + 2)$$

Sequence: A080042
Score: 7.31295
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 3 a(n), a(0) = 2, a(1) = 4\}$$

Sequence: A080042
Score: 9.36972
Type of gen. func.: lgdogf

$$- \frac{6 x^2 - 6 x - 2}{6 x^3 + 5 x^2 - 6 x + 1}$$

Sequence: A080043
Score: 4.19344
Type of gen. func.: ogf

$$-(1071 f(x) - 1321)$$

$$(3 f(x) x^{4} + 4 f(x) x^{3} - 4 f(x) x^{2} - 4 x^{3} - 4 f(x) x - x^{2} + f(x) - 1)$$

Sequence: A080043
Score: 7.07587
Type of gen. func.: lgdogf

$$-\frac{2 (6 x^{6} + 3 x^{5} + 10 x^{4} + 22 x^{3} + 2 x^{2} - 5 x - 2)}{(x - 1) (x + 1) (3 x^{2} + 4 x - 1) (4 x^{3} + x^{2} + 1)}$$

Sequence: A080043
Score: 8.21455
Type of gen. func.: ogf

$$\frac{4 x^{3} + x^{2} + 1}{(x - 1) (x + 1) (3 x^{2} + 4 x - 1)}$$

Sequence: A080047
Score: 3.17365
Type of gen. func.: ogf

$$\{(n^{2} + 8 n + 16) a(n + 1) + (-n^{2} - 8 n - 14) a(n + 2) + (n + 2) a(n + 3),$$

$$a(0) = 0, a(1) = 1, a(2) = 7\}$$

Sequence: A080054
Score: 15.8615
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^{2} + x - 2}{}$$

$$-x^4 + 1$$

Sequence: A080095
Score: 13.2647
Type of gen. func.: ogf

$$-\frac{2 (8 x^2 + 4 x + 1)}{(2 x - 1) (4 x^2 + 2 x + 1)}$$

Sequence: A080095
Score: 8.61343
Type of gen. func.: ogf

$$\{-a(n + 3) + 8 a(n), a(0) = 2, a(1) = 8, a(2) = 16\}$$

Sequence: A080095
Score: 8.72676
Type of gen. func.: ogf

$$(f(x) + 4) (8 f(x) x^3 + 16 x^2 - f(x) + 8 x + 2)$$

Sequence: A080095
Score: 9.84287
Type of gen. func.: lgdogf

$$-\frac{4 (16 x^4 + 16 x^3 + 6 x^2 + 4 x + 1)}{(2 x - 1) (4 x^2 + 2 x + 1) (8 x^2 + 4 x + 1)}$$

Sequence: A080097
Score: 11.1596
Type of gen. func.: ogf

$$\frac{x (x - 3)}{(x - 1) (x + 1) (x^2 - 3 x + 1)}$$

Sequence: A080097
Score: 11.3856
Type of gen. func.: lgdogf

```
                                4       3       2
                             3 x  - 18 x  + 27 x  - 8
                    - --------------------------------------
                                                2
                      (x - 1) (x - 3) (x + 1) (x  - 3 x + 1)
```

Sequence: A080097
Score: 5.57979
Type of gen. func.: ogf

```
                                4           3               2
     (24650 f(x) - 6369) (f(x) x  - 3 f(x) x  + 3 f(x) x - x  - f(x) + 3 x)
```

Sequence: A080097
Score: 6.69576
Type of gen. func.: lgdogf

```
                                4       3       2
                            -3 x  + 18 x  - 27 x  + 8
                     - ----------------------------------
                         5      4      3      2
                       -x  + 6 x  - 9 x  - 3 x  + 10 x - 3
```

Sequence: A080108
Score: 28.4663
Type of gen. func.: lgdegf]

```
                            exp(x) (exp(-x) + x + 1)
```

Sequence: A080108
Score: 6.60799
Type of gen. func.: lgdegf]

```
                       /exp(-x)
                       |------- + 1| (exp(x) x + exp(x))
                        x + 1     /
```

Sequence: A080141
Score: 4.37856

Type of gen. func.: ogf

$$\{(3 n^2 + 18 n + 27) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 12\}$$

Sequence: A080143
Score: 11.1377
Type of gen. func.: lgdogf

$$- \frac{6 x^4 - 32 x^3 + 45 x^2 - 13}{(x - 1) (2 x - 5) (x + 1) (x^2 - 3 x + 1)}$$

Sequence: A080143
Score: 11.5065
Type of gen. func.: ogf

$$\frac{x (2 x - 5)}{(x - 1) (x + 1) (x^2 - 3 x + 1)}$$

Sequence: A080143
Score: 5.376
Type of gen. func.: ogf

$$-(1334176 f(x) - 486407) (f(x) x^4 - 3 f(x) x^3 + 3 f(x) x - 2 x^2 - f(x) + 5 x)$$

Sequence: A080143
Score: 6.69257
Type of gen. func.: lgdogf

$$- \frac{6 x^4 - 32 x^3 + 45 x^2 - 13}{2 x^5 - 11 x^4 + 15 x^3 + 6 x^2 - 17 x + 5}$$

Sequence: A080144
Score: 10.5607
Type of gen. func.: lgdogf

$$-\frac{9x^4-50x^3+72x^2-21}{(x-1)(3x-8)(x+1)(x^2-3x+1)}$$

Sequence: A080144
Score: 10.9175
Type of gen. func.: ogf

$$\frac{x(3x-8)}{(x-1)(x+1)(x^2-3x+1)}$$

Sequence: A080144
Score: 5.22938
Type of gen. func.: ogf

$$(3993292 f(x) - 2484057)(f(x) x^4 - 3 f(x) x^3 + 3 f(x) x - 3 x^2 - f(x) + 8 x)$$

Sequence: A080145
Score: 11.7504
Type of gen. func.: ogf

$$\frac{x}{(x+1)(x^2-3x+1)(x-1)^2}$$

Sequence: A080145
Score: 14.6617
Type of gen. func.: lgdogf

$$-\frac{5x^3-11x^2-2x+4}{(x-1)(x+1)(x^2-3x+1)}$$

Sequence: A080145
Score: 9.17496
Type of gen. func.: lgdogf

3 2

$$-\frac{5 x - 11 x - 2 x + 4}{x^{4} - 3 x^{3} + 3 x - 1}$$

Sequence: A080151
Score: 7.27646
Type of gen. func.: ogf

$$\frac{17 x^{8} + 15 x^{7} + 13 x^{6} + 11 x^{5} + 9 x^{4} + 7 x^{3} + 5 x^{2} + 3 x + 1}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A080171
Score: 14.4363
Type of gen. func.: lgdegf]

$$-\frac{-x + 1}{-x^{2} + x - 1}$$

Sequence: A080171
Score: 39.5420
Type of gen. func.: lgdegf]

$$x - 1 + (x^{2} - x + 1) f(x)$$

Sequence: A080171
Score: 4.87988
Type of gen. func.: ogf

$$\{(n^{2} + 4 n + 4) a(n + 1) + (-n - 3) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 1,$$
$$a(2) = 1\}$$

Sequence: A080198
Score: 5.42639
Type of gen. func.: ogf

$$(93 x^{15} + 98 x^{14} - 5 x^{12} + 5 x^{11} + 88 x^{10} - 83 x^{9} + 83 x^{8} - 5 x^{7} - 10 x^{6}$$

$$+ 12 x^5 + 6 x^4 + x^2 + 1) \Big/ (x - 1)^2$$

Sequence: A080204
Score: 11.7036
Type of gen. func.: lgdogf

$$-\frac{2 x^6 - 6 x^5 - x^4 + 8 x^3 - 12 x^2 + 2 x + 3}{(x - 1) (2 x^3 - 3 x^2 - 1) (x^3 + 2 x - 1)}$$

Sequence: A080204
Score: 11.7349
Type of gen. func.: ogf

$$-\frac{2 x^3 - 3 x^2 - 1}{(x - 1) (x^3 + 2 x - 1)}$$

Sequence: A080204
Score: 6.16291
Type of gen. func.: ogf

$(3599 f(x) + 8708)$

$$(f(x) x^4 - f(x) x^3 + 2 f(x) x^2 + 2 x^3 - 3 f(x) x - 3 x^2 + f(x) - 1)$$

Sequence: A080206
Score: 7.54246
Type of gen. func.: ogf

$$\frac{2 x^8 - 2 x^7 - 4 x^5 - 3 x^4 - 4 x^3 - 3 x^2 + x + 1}{x^6 - x^4 - 4 x^2 + 1}$$

Sequence: A080219
Score: 5.57032
Type of gen. func.: ogf

$$(5 x^{19} - 3 x^{18} + 4 x^{17} - x^{16} + x^{15} - 4 x^{14} + 5 x^{13} - 8 x^{12} + 8 x^{11} - 3 x^{10} - 3 x^{9} + 7 x^{8} - 5 x^{7} - 3 x^{6} + 5 x^{2} - 5 x - 1)/(x - 1)$$

Sequence: A080227
Score: 4.43227
Type of gen. func.: ogf

$$\{(n + 2) a(n + 1) - a(n + 2) + (-n - 4) a(n + 3) + a(n + 4), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 3\}$$

Sequence: A080239
Score: 13.7544
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (x + 1) (x^{2} + 1) (x^{2} + x - 1)}$$

Sequence: A080239
Score: 8.16669
Type of gen. func.: lgdogf

$$- \frac{-6 x^{5} - 5 x^{4} + 4 x^{3} + 2 x + 1}{-x^{6} - x^{5} + x^{4} + x^{2} + x - 1}$$

Sequence: A080239
Score: 9.46469
Type of gen. func.: lgdogf

$$- \frac{6 x^{5} + 5 x^{4} - 4 x^{3} - 2 x - 1}{(x - 1) (x + 1) (x^{2} + 1) (x^{2} + x - 1)}$$

Sequence: A080241
Score: 4.03657

Type of gen. func.: ogf

$$-x\left(2x^{15}+2x^{14}-x^{13}-4x^{10}-2x^{9}-x^{8}-2x^{5}-2x^{2}-2x-1\right) \Big/ \left((x+1)(2x-1)(x^{2}-x+1)(x^{11}+x^{10}-x^{8}-x^{7}-x^{6}+x^{4}+x^{3}-x-1)\right)$$

Sequence: A080243
Score: 13.4189
Type of gen. func.: ogf

$$2 f(x)^{2} x - f(x) x + f(x) - 1$$

Sequence: A080243
Score: 16.7559
Type of gen. func.: lgdogf

$$-\frac{-x-1+(x^{2}+6x+1)^{1/2}}{2(x^{2}+6x+1)^{1/2} x}$$

Sequence: A080243
Score: 17.9936
Type of gen. func.: revogf

$$-\frac{2x^{2}+x}{-x-1}$$

Sequence: A080243
Score: 3.78812
Type of gen. func.: ogf

$$\{(-n^{2}-n)\,a(n)+(-7n^{2}-19n-12)\,a(n+1)+(-7n^{2}-37n-48)\,a(n+2)+(-n^{2}-7n-12)\,a(n+3),\ a(0)=1,\ a(1)=-1,\ a(2)=3\}$$

Sequence: A080243
Score: 54.7361
Type of gen. func.: revogf

$$\frac{x (2 x + 1)}{x + 1}$$

Sequence: A080244
Score: 5.74975
Type of gen. func.: ogf

$$-f(x)^2 x^4 + x^3 f(x)^2 + f(x)^2 x^2 + f(x)^2 x - 2 f(x) x^2 + f(x) x + f(x) - 1$$

Sequence: A080250
Score: 3.82496
Type of gen. func.: ogf

$$(28514959 f(x) + 167920)$$

$$(800 f(x) x^4 - 1120 f(x) x^3 + 354 f(x) x^2 - 35 f(x) x + f(x) - 1)$$

Sequence: A080250
Score: 8.27305
Type of gen. func.: lgdogf

$$-\frac{3200 x^3 - 3360 x^2 + 708 x - 35}{(x - 1) (4 x - 1) (20 x - 1) (10 x - 1)}$$

Sequence: A080250
Score: 9.19333
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (4 x - 1) (20 x - 1) (10 x - 1)}$$

Sequence: A080252
Score: 3.62001
Type of gen. func.: ogf

{(4 n + 8) a(n + 1) - 4 a(n + 2) + (-n - 4) a(n + 3) + a(n + 4), a(0) = 0,

a(1) = 1, a(2) = 2, a(3) = 10}

Sequence: A080260
Score: 17.5680
Type of gen. func.: lgdogf

$$-\frac{x^4 - 2x^3 - 6x^2 - 6x + 3}{(x - 1)(x^4 - 3x^3 + x^2 - 2x + 1)}$$

Sequence: A080260
Score: 8.27817
Type of gen. func.: lgdogf

$$-\frac{x^4 - 2x^3 - 6x^2 - 6x + 3}{x^5 - 4x^4 + 4x^3 - 3x^2 + 3x - 1}$$

Sequence: A080260
Score: 8.36531
Type of gen. func.: ogf

$$-\frac{x^4 - 3x^3 + x^2 - 2x + 1}{(x - 1)^5}$$

Sequence: A080275
Score: 16.6567
Type of gen. func.: lgdogf

$$-\frac{x^4 + 10x^3 + 6x^2 + 6x - 1}{(x + 1)(x^4 + 7x^3 + 9x^2 + 6x + 1)}$$

Sequence: A080275
Score: 8.77613

Type of gen. func.: lgdogf

$$-\frac{-x^4 - 10 x^3 - 6 x^2 - 6 x + 1}{-x^5 - 8 x^4 - 16 x^3 - 15 x^2 - 7 x - 1}$$

Sequence: A080275
Score: 9.14565
Type of gen. func.: ogf

$$\frac{x^4 + 7 x^3 + 9 x^2 + 6 x + 1}{(x + 1)^5}$$

Sequence: A080322
Score: 13.1868
Type of gen. func.: lgdogf

$$-\frac{x^6 - 4 x^5 + 10 x^4 - 20 x^3 - 10 x^2 + 34 x - 9}{(x^2 - x + 1) (x^5 - 3 x^4 + 6 x^3 - 8 x^2 + 3)}$$

Sequence: A080322
Score: 8.61325
Type of gen. func.: ogf

$$-\frac{x^5 - 3 x^4 + 6 x^3 - 8 x^2 + 3}{(x^2 - x + 1)^3}$$

Sequence: A080332
Score: 14.6495
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3 x - 5}{x^2 - 1}$$

Sequence: A080335
Score: 11.9061
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 + 3 x + 1}{(x + 1) (x - 1)^3}$$

Sequence: A080335
Score: 17.1463
Type of gen. func.: lgdogf

$$-\frac{x^4 + 10 x^2 + 8 x + 5}{(x - 1) (x + 1) (x^3 - x^2 + 3 x + 1)}$$

Sequence: A080335
Score: 6.73381
Type of gen. func.: ogf

$$(46 f(x) - 111) (f(x) x^4 - 2 f(x) x^3 + x^3 + 2 f(x) x - x^2 - f(x) + 3 x + 1)$$

Sequence: A080335
Score: 9.23061
Type of gen. func.: lgdogf

$$-\frac{-x^4 - 10 x^2 - 8 x - 5}{-x^5 + x^4 - 2 x^3 - 2 x^2 + 3 x + 1}$$

Sequence: A080337
Score: 16.8602
Type of gen. func.: lgdegf]

$$\exp(2 x) + \exp(x) + 1$$

Sequence: A080337
Score: 34.0103

Type of gen. func.: lgdegf]

$$\exp(2 x) + \exp(x) + 1$$

Sequence: A080340
Score: 11.5507
Type of gen. func.: ogf

$$\frac{3555593 x + 7629217}{(x - 1)^2}$$

Sequence: A080340
Score: 13.7453
Type of gen. func.: lgdogf

$$- \frac{18814027 + 3555593 x}{(3555593 x + 7629217) (x - 1)}$$

Sequence: A080340
Score: 5.57959
Type of gen. func.: ogf

$$(22369620 f(x) + 183304926769189)$$

$$(f(x) x^2 - 2 f(x) x + f(x) - 3555593 x - 7629217)$$

Sequence: A080340
Score: 6.93044
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 7629217, a(1) = 18814027\}$$

Sequence: A080340
Score: 8.33408
Type of gen. func.: lgdogf

$$- \frac{18814027 + 3555593 x}{3555593 x^2 + 4073624 x - 7629217}$$

Sequence: A080340
Score: 9.78829
Type of gen. func.: revogf

$$-\frac{-7629217 - 2 x + (58204952033089 + 44739240 x)^{1/2}}{2 (-3555593 + x)}$$

Sequence: A080341
Score: 11.7335
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 5 x^4 + 16 x^3 + 16 x^2 + 10 x + 5}{(x - 1) (x^2 + x + 1) (x^3 + x^2 + 3 x + 1)}$$

Sequence: A080341
Score: 9.43194
Type of gen. func.: ogf

$$-\frac{x^3 + x^2 + 3 x + 1}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A080412
Score: 12.2249
Type of gen. func.: lgdogf

$$-\frac{2 x^6 + 7 x^5 - x^4 + 12 x^3 + 6 x^2 + 5 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^3 + 2 x^2 - x + 2)}$$

Sequence: A080412
Score: 12.4012
Type of gen. func.: ogf

$$\frac{x (x^3 + 2 x^2 - x + 2)}{}$$

$$(x + 1) (x^2 + 1) (x - 1)^2$$

Sequence: A080413
Score: 8.62178
Type of gen. func.: ogf

$$\frac{x (x^7 + 2 x^6 + 2 x^5 + 2 x^4 - 5 x^3 + 2 x^2 + 2 x + 2)}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A080414
Score: 8.62178
Type of gen. func.: ogf

$$\frac{x (x^7 + 4 x^6 - 3 x^5 + 4 x^4 - 3 x^3 + 4 x^2 - 3 x + 4)}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A080420
Score: 11.8455
Type of gen. func.: ogf

$$\frac{2 x - 1}{(3 x - 1)^3}$$

Sequence: A080420
Score: 13.2959
Type of gen. func.: lgdogf

$$- \frac{-12 x + 7}{-6 x^2 + 5 x - 1}$$

Sequence: A080420
Score: 24.5688
Type of gen. func.: lgdogf

$$-7 + 12 x$$

```
                              - -------------------
                                (3 x - 1) (2 x - 1)
```

Sequence: A080420
Score: 5.66522
Type of gen. func.: ogf

```
 {a(n + 3) - 9 a(n + 2) + 27 a(n + 1) - 27 a(n), a(0) = 1, a(1) = 7, a(2) = 36}
```

Sequence: A080420
Score: 6.03242
Type of gen. func.: ogf

```
                                  3             2
     (61 f(x) - 181) (27 f(x) x  - 27 f(x) x  + 9 f(x) x - f(x) - 2 x + 1)
```

Sequence: A080421
Score: 12.8555
Type of gen. func.: lgdogf

```
                                    -18 x + 10
                                - ---------------
                                        2
                                  -6 x  + 5 x - 1
```

Sequence: A080421
Score: 23.3420
Type of gen. func.: lgdogf

```
                                    2 (9 x - 5)
                              - -------------------
                                (3 x - 1) (2 x - 1)
```

Sequence: A080421
Score: 4.17386
Type of gen. func.: ogf

```
{(n + 3) a(n + 3) + (-20 - 5 n) a(n + 2) + (24 + 6 n) a(n + 1), a(0) = 1,

    a(1) = 10, a(2) = 66}
```

Sequence: A080421

Score: 4.94443
Type of gen. func.: ogf

$$(113 f(x) + 613)$$

$$(81 f(x) x^4 - 108 f(x) x^3 + 54 f(x) x^2 - 12 f(x) x + f(x) + 2 x - 1)$$

Sequence: A080421
Score: 9.73902
Type of gen. func.: ogf

$$-\frac{2 x - 1}{(3 x - 1)^4}$$

Sequence: A080422
Score: 12.4878
Type of gen. func.: lgdogf

$$-\frac{-24 x + 13}{-6 x^2 + 5 x - 1}$$

Sequence: A080422
Score: 22.6676
Type of gen. func.: lgdogf

$$-\frac{-13 + 24 x}{(3 x - 1) (2 x - 1)}$$

Sequence: A080422
Score: 4.02832
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-23 - 5 n) a(n + 2) + (30 + 6 n) a(n + 1), a(0) = 1,$$

$$a(1) = 13, a(2) = 105\}$$

Sequence: A080422
Score: 8.10896
Type of gen. func.: ogf

$$\frac{2x-1}{(3x-1)^5}$$

Sequence: A080423
Score: 11.9954
Type of gen. func.: lgdogf

$$-\frac{-30x+16}{-6x^2+5x-1}$$

Sequence: A080423
Score: 20.2618
Type of gen. func.: lgdogf

$$-\frac{2(-8+15x)}{(3x-1)(2x-1)}$$

Sequence: A080423
Score: 3.86948
Type of gen. func.: ogf

$\{(n+3)a(n+3)+(-26-5n)a(n+2)+(36+6n)a(n+1), a(0)=1,$

$a(1)=16, a(2)=153\}$

Sequence: A080423
Score: 6.66411
Type of gen. func.: ogf

$$-\frac{2x-1}{(3x-1)^6}$$

Sequence: A080424
Score: 10.0974
Type of gen. func.: ogf

$$-18 f(x) x^2 - 3 f(x) x + f(x) - x$$

Sequence: A080424
Score: 12.1169
Type of gen. func.: lgdogf

$$-\frac{-36\,x-3}{-18\,x^{2}-3\,x+1}$$

Sequence: A080424
Score: 15.9433
Type of gen. func.: ogf

$$-\frac{x}{(3\,x+1)\,(6\,x-1)}$$

Sequence: A080424
Score: 16.5714
Type of gen. func.: revogf

$$\frac{-1-3\,x+(81\,x^{2}+6\,x+1)^{1/2}}{36\,x}$$

Sequence: A080424
Score: 22.0952
Type of gen. func.: lgdogf

$$-\frac{3\,(1+12\,x)}{(3\,x+1)\,(6\,x-1)}$$

Sequence: A080424
Score: 7.38834
Type of gen. func.: ogf

$$\{-a(n+2)+3\,a(n+1)+18\,a(n),\ a(0)=0,\ a(1)=1\}$$

Sequence: A080425

Score: 11.0454
Type of gen. func.: ogf

$$-(f(x) + 4) (f(x) x^3 + x^2 - f(x) + 2 x)$$

Sequence: A080425
Score: 11.0454
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n), a(0) = 0, a(1) = 2, a(2) = 1\}$$

Sequence: A080425
Score: 12.1824
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 6 x^2 + 1}{x^4 + 2 x^3 - x - 2}$$

Sequence: A080425
Score: 18.4090
Type of gen. func.: ogf

$$-\frac{x (x + 2)}{(x - 1) (x^2 + x + 1)}$$

Sequence: A080425
Score: 25.5968
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 6 x^2 + 1}{(x + 2) (x - 1) (x^2 + x + 1)}$$

Sequence: A080445
Score: 10.6721
Type of gen. func.: ogf

$$-\frac{22 x^2 + 11 x + 1}{99 x^2 - 1}$$

Sequence: A080445
Score: 11.8128
Type of gen. func.: lgdogf

$$-\frac{11 (99 x^2 + 22 x + 1)}{(22 x^2 + 11 x + 1) (99 x^2 - 1)}$$

Sequence: A080445
Score: 6.30626
Type of gen. func.: ogf

$$\{a(n + 3) - 99 a(n + 1), a(0) = 1, a(1) = 11, a(2) = 121\}$$

Sequence: A080445
Score: 6.45292
Type of gen. func.: lgdogf

$$-\frac{1089 x^2 + 242 x + 11}{2178 x^4 + 1089 x^3 + 77 x^2 - 11 x - 1}$$

Sequence: A080445
Score: 6.93689
Type of gen. func.: ogf

$$(20 f(x) - 11) (99 f(x) x^2 + 22 x^2 - f(x) + 11 x + 1)$$

Sequence: A080446
Score: 10.6721
Type of gen. func.: ogf

$$\frac{2 (45 x^2 - 6 x - 1)}{}$$

$$99 x^2 - 1$$

Sequence: A080446
Score: 12.6370
Type of gen. func.: lgdogf

$$\frac{6 (99 x^2 + 18 x + 1)}{(45 x^2 - 6 x - 1) (99 x^2 - 1)}$$

Sequence: A080446
Score: 6.30626
Type of gen. func.: ogf

$$\{a(n + 3) - 99 a(n + 1), a(0) = 2, a(1) = 12, a(2) = 108\}$$

Sequence: A080446
Score: 6.60656
Type of gen. func.: ogf

$$-(15 f(x) - 19) (99 f(x) x^2 - 90 x^2 - f(x) + 12 x + 2)$$

Sequence: A080446
Score: 6.68616
Type of gen. func.: lgdogf

$$- \frac{594 x^2 + 108 x + 6}{-4455 x^4 + 594 x^3 + 144 x^2 - 6 x - 1}$$

Sequence: A080447
Score: 10.4708
Type of gen. func.: ogf

$$\frac{3 (63 x^2 - 4 x - 1)}{99 x^2 - 1}$$

Sequence: A080447
Score: 12.6370
Type of gen. func.: lgdogf

$$\frac{4 (99 x^2 + 18 x + 1)}{(63 x^2 - 4 x - 1) (99 x^2 - 1)}$$

Sequence: A080447
Score: 6.30626
Type of gen. func.: ogf

$$\{a(n + 3) - 99 a(n + 1), a(0) = 3, a(1) = 12, a(2) = 108\}$$

Sequence: A080447
Score: 6.45292
Type of gen. func.: ogf

$$-(21 f(x) - 107) (99 f(x) x^2 - 189 x^2 - f(x) + 12 x + 3)$$

Sequence: A080447
Score: 6.76770
Type of gen. func.: lgdogf

$$- \frac{396 x^2 + 72 x + 4}{-6237 x^4 + 396 x^3 + 162 x^2 - 4 x - 1}$$

Sequence: A080448
Score: 10.4708
Type of gen. func.: ogf

$$\frac{4 (72 x^2 - 3 x - 1)}{99 x^2 - 1}$$

Sequence: A080448
Score: 12.6370
Type of gen. func.: lgdogf

$$\frac{3 (99 x^2 + 18 x + 1)}{(99 x^2 - 1) (72 x^2 - 3 x - 1)}$$

Sequence: A080448
Score: 6.30626
Type of gen. func.: ogf

$$\{a(n + 3) - 99 a(n + 1), a(0) = 4, a(1) = 12, a(2) = 108\}$$

Sequence: A080448
Score: 6.52884
Type of gen. func.: ogf

$$-(15 f(x) - 49) (99 f(x) x^2 - 288 x^2 - f(x) + 12 x + 4)$$

Sequence: A080448
Score: 6.76770
Type of gen. func.: lgdogf

$$- \frac{-297 x^2 - 54 x - 3}{7128 x^4 - 297 x^3 - 171 x^2 + 3 x + 1}$$

Sequence: A080450
Score: 10.4708
Type of gen. func.: ogf

$$\frac{6 (81 x^2 - 2 x - 1)}{99 x^2 - 1}$$

Sequence: A080450
Score: 12.6370

Type of gen. func.: lgdogf

$$\frac{2 (99 x^2 + 18 x + 1)}{(99 x^2 - 1) (81 x^2 - 2 x - 1)}$$

Sequence: A080450
Score: 6.30626
Type of gen. func.: ogf

$$\{a(n + 3) - 99 a(n + 1), a(0) = 6, a(1) = 12, a(2) = 108\}$$

Sequence: A080450
Score: 6.52884
Type of gen. func.: ogf

$$-(15 f(x) - 79) (99 f(x) x^2 - 486 x^2 - f(x) + 12 x + 6)$$

Sequence: A080450
Score: 6.76770
Type of gen. func.: lgdogf

$$- \frac{198 x^2 + 36 x + 2}{-8019 x^4 + 198 x^3 + 180 x^2 - 2 x - 1}$$

Sequence: A080451
Score: 6.70851
Type of gen. func.: lgdogf

$$\frac{2 (470448 x^6 - 10593 x^4 - 18 x^2 - 16 x - 1)}{(99 x^2 - 1) (3168 x^5 - 54 x^3 - 83 x^2 + 2 x + 1)}$$

Sequence: A080451
Score: 7.39935
Type of gen. func.: ogf

$$-\frac{7\,(3168\,x^{5} - 54\,x^{3} - 83\,x^{2} + 2\,x + 1)}{99\,x^{2} - 1}$$

Sequence: A080452
Score: 6.79237
Type of gen. func.: lgdogf

$$\frac{2\,(411642\,x^{6} - 10494\,x^{4} + 9\,x^{2} - 14\,x - 1)}{(99\,x^{2} - 1)\,(2772\,x^{5} - 72\,x^{3} - 85\,x^{2} + 2\,x + 1)}$$

Sequence: A080452
Score: 7.39935
Type of gen. func.: ogf

$$-\frac{8\,(2772\,x^{5} - 72\,x^{3} - 85\,x^{2} + 2\,x + 1)}{99\,x^{2} - 1}$$

Sequence: A080453
Score: 10.4498
Type of gen. func.: lgdogf

$$\frac{2\,(3267\,x^{4} + 12\,x + 1)}{(99\,x^{2} - 1)\,(66\,x^{3} + 87\,x^{2} - 2\,x - 1)}$$

Sequence: A080453
Score: 5.38787
Type of gen. func.: ogf

{-a(n + 4) + 99 a(n + 2), a(0) = 9, a(1) = 18, a(2) = 108, a(3) = 1188}

Sequence: A080453
Score: 5.90373
Type of gen. func.: lgdogf

$$-\frac{6534 x^4 + 24 x + 2}{-6534 x^5 - 8613 x^4 + 264 x^3 + 186 x^2 - 2 x - 1}$$

Sequence: A080453
Score: 5.90374
Type of gen. func.: ogf

$$(187 f(x) - 1413) (99 f(x) x^2 - 594 x^3 - 783 x^2 - f(x) + 18 x + 9)$$

Sequence: A080453
Score: 8.80875
Type of gen. func.: ogf

$$\frac{9 (66 x^3 + 87 x^2 - 2 x - 1)}{99 x^2 - 1}$$

Sequence: A080455
Score: 10.4939
Type of gen. func.: ogf

$$-\frac{x^4 - 4 x^3 - 4 x^2 - 4 x - 1}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A080455
Score: 8.60637
Type of gen. func.: lgdogf

$$-\frac{x^7 - 7 x^6 - 15 x^5 - 23 x^4 - 13 x^3 - 21 x^2 - 13 x - 5}{(x - 1) (x + 1) (x^2 + 1) (x^4 - 4 x^3 - 4 x^2 - 4 x - 1)}$$

Sequence: A080456
Score: 8.42007
Type of gen. func.: lgdogf

$$-\frac{x^7 - 3x^6 - 7x^5 - 3x^4 - 15x^3 - 11x^2 - 7x - 3}{(x-1)(x+1)(2x^5 - x^4 - 2x^3 - 2x^2 - 2x - 1)(x^2+1)}$$

Sequence: A080456
Score: 9.60174
Type of gen. func.: ogf

$$-\frac{2(2x^5 - x^4 - 2x^3 - 2x^2 - 2x - 1)}{(x+1)(x^2+1)(x-1)^2}$$

Sequence: A080457
Score: 11.7106
Type of gen. func.: ogf

$$\frac{x^4 + 4x^3 + 4x + 3}{(x+1)(x^2+1)(x-1)^2}$$

Sequence: A080457
Score: 9.53959
Type of gen. func.: lgdogf

$$-\frac{x^7 + 9x^6 + 5x^5 + 21x^4 + 27x^3 + 19x^2 + 7x + 7}{(x-1)(x+1)(x^2+1)(x^4 + 4x^3 + 4x + 3)}$$

Sequence: A080458
Score: 12.9017
Type of gen. func.: lgdogf

$$-\frac{3x^5 + 5x^4 + 7x^3 + 3x^2 + 4x + 2}{(x-1)(x+1)(x^2+1)(x^2+x+1)}$$

Sequence: A080458
Score: 13.3795
Type of gen. func.: ogf

$$\frac{4 (x^2 + x + 1)}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A080458
Score: 28.0225
Type of gen. func.: ogf_with_Euler_transform]

$$x^3 - x^2 + 2$$

Sequence: A080460
Score: 11.0132
Type of gen. func.: ogf

$$\frac{2 (x^4 + 2 x^3 + 2 x^2 + 1)}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A080460
Score: 9.49067
Type of gen. func.: lgdogf

$$- \frac{x^7 + 5 x^6 + 9 x^5 + 5 x^4 + 13 x^3 + 9 x^2 + 5 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 2 x^3 + 2 x^2 + 1)}$$

Sequence: A080463
Score: 7.78273
Type of gen. func.: ogf

$$- \frac{x (8 x^9 - x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 1)}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A080464
Score: 8.15547
Type of gen. func.: ogf

$$\frac{x \left(9 x^{8} + 8 x^{7} + 7 x^{6} + 6 x^{5} + 5 x^{4} + 4 x^{3} + 3 x^{2} + 2 x + 1\right)}{(x - 1)^{2} (x + 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2} (x^{4} - x^{3} + x^{2} - x + 1)^{2}}$$

Sequence: A080476
Score: 10.0199
Type of gen. func.: lgdogf

$$- \frac{-6 x^{2} - 4 x - 2}{x^{6} - 2 x^{5} - x^{4} + 2 x^{3} - x^{2} + 1}$$

Sequence: A080476
Score: 12.9488
Type of gen. func.: ogf

$$\frac{x^{4} - 2 x^{3} - 1}{(x + 1) (x - 1)^{3}}$$

Sequence: A080476
Score: 20.1395
Type of gen. func.: lgdogf

$$\frac{2 (3 x^{2} + 2 x + 1)}{(x - 1) (x + 1) (x^{4} - 2 x^{3} - 1)}$$

Sequence: A080476
Score: 9.05028
Type of gen. func.: ogf

$$-f(x) x^{4} + 2 f(x) x^{3} + x^{4} - 2 x^{3} - 2 f(x) x + f(x) - 1$$

Sequence: A080477
Score: 8.31777
Type of gen. func.: ogf

$$(f(x) - 1)^2 (-71862 x^5 + f(x) - 1)$$

Sequence: A080486
Score: 4.66879
Type of gen. func.: ogf

$$\{-a(n + 3) + 100 a(n + 2), a(0) = 1, a(1) = 11, a(2) = 121\}$$

Sequence: A080486
Score: 4.94669
Type of gen. func.: ogf

$$-(f(x) - 1) (100 f(x) x - 979 x^2 - f(x) - 89 x + 1)$$

Sequence: A080486
Score: 8.31044
Type of gen. func.: ogf

$$\frac{979 x^2 + 89 x - 1}{100 x - 1}$$

Sequence: A080486
Score: 8.44296
Type of gen. func.: lgdogf

$$\frac{11 (8900 x^2 - 178 x + 1)}{(100 x - 1) (979 x^2 + 89 x - 1)}$$

Sequence: A080487
Score: 3.92002
Type of gen. func.: ogf

$$-(223168 f(x) - 35991) (-3168 x^3 + 100 f(x) x - 1068 x^2 - f(x) - 188 x + 2)$$

Sequence: A080487
Score: 3.95735
Type of gen. func.: ogf

$$\{a(n + 4) - 100 a(n + 3), a(0) = 2, a(1) = 12, a(2) = 132, a(3) = 10032\}$$

Sequence: A080487
Score: 6.14033
Type of gen. func.: lgdogf

$$\frac{6 (52800 x^3 + 8108 x^2 - 178 x + 1)}{(100 x - 1) (1584 x^3 + 534 x^2 + 94 x - 1)}$$

Sequence: A080487
Score: 6.59559
Type of gen. func.: ogf

$$\frac{2 (1584 x^3 + 534 x^2 + 94 x - 1)}{100 x - 1}$$

Sequence: A080488
Score: 4.66879
Type of gen. func.: ogf

$$\{-a(n + 3) + 100 a(n + 2), a(0) = 3, a(1) = 33, a(2) = 363\}$$

Sequence: A080488
Score: 4.83165
Type of gen. func.: ogf

$$-(f(x) - 3) (100 f(x) x - 2937 x^2 - f(x) - 267 x + 3)$$

Sequence: A080488

Score: 7.99081
Type of gen. func.: ogf

$$\frac{3\,(979\,x^2 + 89\,x - 1)}{100\,x - 1}$$

Sequence: A080488
Score: 8.44296
Type of gen. func.: lgdogf

$$\frac{11\,(8900\,x^2 - 178\,x + 1)}{(100\,x - 1)\,(979\,x^2 + 89\,x - 1)}$$

Sequence: A080489
Score: 3.92002
Type of gen. func.: ogf

$$-(111584\,f(x) - 35991)\,(-6336\,x^3 + 100\,f(x)\,x - 2136\,x^2 - f(x) - 376\,x + 4)$$

Sequence: A080489
Score: 3.95735
Type of gen. func.: ogf

$$\{a(n + 4) - 100\,a(n + 3),\ a(0) = 4,\ a(1) = 24,\ a(2) = 264,\ a(3) = 20064\}$$

Sequence: A080489
Score: 6.14033
Type of gen. func.: lgdogf

$$\frac{6\,(52800\,x^3 + 8108\,x^2 - 178\,x + 1)}{(100\,x - 1)\,(1584\,x^3 + 534\,x^2 + 94\,x - 1)}$$

Sequence: A080489
Score: 6.59559
Type of gen. func.: ogf

$$\frac{4\,(1584\,x^3 + 534\,x^2 + 94\,x - 1)}{100\,x - 1}$$

Sequence: A080490
Score: 3.92002
Type of gen. func.: ogf

$$-(40789\,f(x) + 1057855)\,(-315\,x^3 + 100\,f(x)\,x - 1395\,x^2 - f(x) - 485\,x + 5)$$

Sequence: A080490
Score: 3.95735
Type of gen. func.: ogf

$$\{a(n + 4) - 100\,a(n + 3),\ a(0) = 5,\ a(1) = 15,\ a(2) = 105,\ a(3) = 10185\}$$

Sequence: A080490
Score: 6.43273
Type of gen. func.: lgdogf

$$\frac{3\,(4200\,x^3 + 9237\,x^2 - 186\,x + 1)}{(100\,x - 1)\,(63\,x^3 + 279\,x^2 + 97\,x - 1)}$$

Sequence: A080490
Score: 6.70197
Type of gen. func.: ogf

$$\frac{5\,(63\,x^3 + 279\,x^2 + 97\,x - 1)}{100\,x - 1}$$

Sequence: A080491
Score: 3.88338
Type of gen. func.: ogf

$$-(223168\,f(x) - 107973)\,(-9504\,x^3 + 100\,f(x)\,x - 3204\,x^2 - f(x) - 564\,x + 6)$$

Sequence: A080491
Score: 3.95735
Type of gen. func.: ogf

$$\{a(n + 4) - 100 a(n + 3), a(0) = 6, a(1) = 36, a(2) = 396, a(3) = 30096\}$$

Sequence: A080491
Score: 6.14033
Type of gen. func.: lgdogf

$$\frac{6 (52800 x^3 + 8108 x^2 - 178 x + 1)}{(100 x - 1) (1584 x^3 + 534 x^2 + 94 x - 1)}$$

Sequence: A080491
Score: 6.59559
Type of gen. func.: ogf

$$\frac{6 (1584 x^3 + 534 x^2 + 94 x - 1)}{100 x - 1}$$

Sequence: A080492
Score: 4.93040
Type of gen. func.: ogf

$$\{-a(n + 3) + 100 a(n + 2), a(0) = 7, a(1) = 77, a(2) = 1771\}$$

Sequence: A080492
Score: 5.15972
Type of gen. func.: ogf

$$-(f(x) - 7) (100 f(x) x - 5929 x^2 - f(x) - 623 x + 7)$$

Sequence: A080492
Score: 5.47822
Type of gen. func.: lgdogf

$$2$$

$$-\frac{84700 x - 1694 x + 11}{-84700 x^{3} - 8053 x^{2} + 189 x - 1}$$

Sequence: A080492
Score: 8.53338
Type of gen. func.: ogf

$$\frac{7 (847 x^{2} + 89 x - 1)}{100 x - 1}$$

Sequence: A080492
Score: 9.03076
Type of gen. func.: lgdogf

$$\frac{11 (7700 x^{2} - 154 x + 1)}{(100 x - 1) (847 x^{2} + 89 x - 1)}$$

Sequence: A080493
Score: 4.93040
Type of gen. func.: ogf

$$\{-a(n + 3) + 100 a(n + 2), a(0) = 8, a(1) = 48, a(2) = 1248\}$$

Sequence: A080493
Score: 5.15972
Type of gen. func.: ogf

$$-(f(x) - 8) (100 f(x) x - 3552 x^{2} - f(x) - 752 x + 8)$$

Sequence: A080493
Score: 5.61691
Type of gen. func.: lgdogf

$$-\frac{44400 x^{2} - 888 x + 6}{-44400 x^{3} - 8956 x^{2} + 194 x - 1}$$

Sequence: A080493
Score: 8.53338
Type of gen. func.: ogf

$$\frac{8\,(444\,x^2 + 94\,x - 1)}{100\,x - 1}$$

Sequence: A080493
Score: 9.22291
Type of gen. func.: lgdogf

$$\frac{6\,(7400\,x^2 - 148\,x + 1)}{(100\,x - 1)\,(444\,x^2 + 94\,x - 1)}$$

Sequence: A080494
Score: 4.93040
Type of gen. func.: ogf

$$\{-a(n + 3) + 100\,a(n + 2),\ a(0) = 9,\ a(1) = 99,\ a(2) = 9009\}$$

Sequence: A080494
Score: 5.47823
Type of gen. func.: ogf

$$(f(x) - 9)\,(100\,f(x)\,x - 891\,x^2 - f(x) - 801\,x + 9)$$

Sequence: A080494
Score: 5.68892
Type of gen. func.: lgdogf

$$-\frac{9900\,x^2 - 198\,x + 11}{-9900\,x^3 - 8801\,x^2 + 189\,x - 1}$$

Sequence: A080494
Score: 8.70071
Type of gen. func.: ogf

$$\frac{9\,(99\,x^2 + 89\,x - 1)}{100\,x - 1}$$

Sequence: A080494
Score: 9.63281
Type of gen. func.: lgdogf

$$\frac{11\,(900\,x^2 - 18\,x + 1)}{(100\,x - 1)\,(99\,x^2 + 89\,x - 1)}$$

Sequence: A080512
Score: 11.7209
Type of gen. func.: lgdogf

$$-\frac{-2\,x^3 - 9\,x^2 - 6\,x - 3}{-x^4 - 3\,x^3 + 3\,x + 1}$$

Sequence: A080512
Score: 14.8053
Type of gen. func.: ogf

$$\frac{x^2 + 3\,x + 1}{(x - 1)^2\,(x + 1)^2}$$

Sequence: A080512
Score: 18.7960
Type of gen. func.: lgdogf

$$-\frac{2\,x^3 + 9\,x^2 + 6\,x + 3}{(x - 1)\,(x + 1)\,(x^2 + 3\,x + 1)}$$

Sequence: A080512
Score: 7.27502
Type of gen. func.: ogf

$$\{(n + 4)\, a(n + 1) + (-n - 2)\, a(n + 3),\ a(0) = 1,\ a(1) = 3,\ a(2) = 3\}$$

Sequence: A080512
Score: 8.88317
Type of gen. func.: ogf

$$(14 f(x) - 23) (f(x) x^4 - 2 f(x) x^2 - x^2 + f(x) - 3 x - 1)$$

Sequence: A080513
Score: 10.2148
Type of gen. func.: lgdogf

$$- \frac{-x^3 + x^2 + 2 x + 2}{-x^4 + x^3 + 2 x^2 - x - 1}$$

Sequence: A080513
Score: 13.3964
Type of gen. func.: ogf

$$- \frac{x^2 - x - 1}{(x + 1) (x - 1)^2}$$

Sequence: A080513
Score: 5.80859
Type of gen. func.: lgdogf

$$- \frac{x^3 - x^2 - 2 x - 2}{(x - 1) (x + 1) (x^2 - x - 1)}$$

Sequence: A080513
Score: 7.10594
Type of gen. func.: ogf

$$-(f(x) + 3) (f(x) x^3 - f(x) x^2 - f(x) x + x^2 + f(x) - x - 1)$$

Sequence: A080513
Score: 7.29628
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 2, a(2) = 2\}$$

Sequence: A080522
Score: 4.64873
Type of gen. func.: ogf

$$(21 f(x) + 43) (2 f(x) x^4 - 7 f(x) x^3 + 2 x^4 + 9 f(x) x^2 - 5 x^3 - 5 f(x) x + x^2 + f(x) + 2 x - 1)$$

Sequence: A080522
Score: 8.03958
Type of gen. func.: ogf

$$-\frac{2 x^4 - 5 x^3 + x^2 + 2 x - 1}{(2 x - 1) (x - 1)^3}$$

Sequence: A080522
Score: 9.99445
Type of gen. func.: lgdogf

$$-\frac{4 x^4 - 24 x^3 + 28 x^2 - 14 x + 3}{(x - 1) (2 x - 1) (2 x^4 - 5 x^3 + x^2 + 2 x - 1)}$$

Sequence: A080559
Score: 13.7866
Type of gen. func.: lgdogf

$$\frac{12}{x + 1}$$

Sequence: A080599
Score: 12.6261
Type of gen. func.: egf]

$$-f(x) x^2 - 2 f(x) x + 2 f(x) - 2$$

Sequence: A080599
Score: 15.5196
Type of gen. func.: lgdegf]

$$-\frac{-2 x - 2}{-x^2 - 2 x + 2}$$

Sequence: A080599
Score: 22.5740
Type of gen. func.: egf]

$$-\frac{2}{x^2 + 2 x - 2}$$

Sequence: A080599
Score: 36.6288
Type of gen. func.: lgdegf]

$$-\frac{2 (x + 1)}{x^2 + 2 x - 2}$$

Sequence: A080599
Score: 5.24606
Type of gen. func.: ogf

$\{(n^2 + 5 n + 6) a(n + 1) + (2 n + 6) a(n + 2) - 2 a(n + 3), a(0) = 1, a(1) = 1,$

a(2) = 3}

Sequence: A080609
Score: 12.5586
Type of gen. func.: lgdogf

$$-\frac{8x-4}{8x^2-8x+1}$$

Sequence: A080609
Score: 16.4066
Type of gen. func.: revogf

$$-\frac{(-4x+(8x^2+1)^{1/2})x}{8x^2-1}$$

Sequence: A080609
Score: 23.6255
Type of gen. func.: lgdogf

$$-\frac{4(2x-1)}{8x^2-8x+1}$$

Sequence: A080609
Score: 3.93997
Type of gen. func.: ogf

{(-n - 3) a(n + 3) + (20 + 8 n) a(n + 2) + (-16 - 8 n) a(n + 1), a(0) = 1,

a(1) = 4, a(2) = 20}

Sequence: A080609
Score: 9.5685
Type of gen. func.: ogf

$$-8f(x)^2x^2+8f(x)^2x-f(x)^2+1$$

Sequence: A080610
Score: 10.7505
Type of gen. func.: lgdogf

$$-\frac{2\,(24\,x^4 + 8\,x^3 - 10\,x^2 - 5\,x - 2)}{(x - 1)\,(2\,x + 1)\,(2\,x - 1)\,(4\,x + 1)\,(x + 1)}$$

Sequence: A080610
Score: 13.7881
Type of gen. func.: ogf

$$\frac{x\,(4\,x + 1)}{(x - 1)\,(2\,x + 1)\,(2\,x - 1)\,(x + 1)}$$

Sequence: A080610
Score: 7.16442
Type of gen. func.: lgdogf

$$-\frac{48\,x^4 + 16\,x^3 - 20\,x^2 - 10\,x - 4}{16\,x^5 + 4\,x^4 - 20\,x^3 - 5\,x^2 + 4\,x + 1}$$

Sequence: A080610
Score: 7.69232
Type of gen. func.: ogf

$$-(63\,f(x) + 23)\,(4\,f(x)\,x^4 - 5\,f(x)\,x^2 - 4\,x^2 + f(x) - x)$$

Sequence: A080612
Score: 15.9062
Type of gen. func.: ogf

$$-\frac{x^7 - x^5 - 1}{(x - 1)^2}$$

Sequence: A080612
Score: 19.7677
Type of gen. func.: lgdogf

$$\frac{5 x^{7} - 7 x^{6} - 3 x^{5} + 5 x^{4} + 2}{(x - 1) (x^{7} - x^{5} - 1)}$$

Sequence: A080612
Score: 5.56229
Type of gen. func.: ogf

{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 4,

a(4) = 5, a(5) = 7, a(6) = 9, a(7) = 10}

Sequence: A080612
Score: 9.06654
Type of gen. func.: lgdogf

$$- \frac{5 x^{7} - 7 x^{6} - 3 x^{5} + 5 x^{4} + 2}{-x^{8} + x^{7} + x^{6} - x^{5} + x - 1}$$

Sequence: A080616
Score: 2.76332
Type of gen. func.: ogf

$$(2 f(x) x - f(x) + x + 1)^{3}$$

Sequence: A080643
Score: 11.4034
Type of gen. func.: lgdogf

$$- \frac{-24 x^{2} + 24 x - 5}{-24 x^{3} + 26 x^{2} - 9 x + 1}$$

Sequence: A080643
Score: 15.5086
Type of gen. func.: ogf

$$-\frac{2x(2x-1)}{(4x-1)(3x-1)}$$

Sequence: A080643
Score: 19.1413
Type of gen. func.: lgdogf

$$-\frac{24x^2-24x+5}{(3x-1)(2x-1)(4x-1)}$$

Sequence: A080643
Score: 19.1413
Type of gen. func.: revogf

$$-\frac{-2-7x+(x^2+12x+4)^{1/2}}{8(3x+1)}$$

Sequence: A080643
Score: 7.52843
Type of gen. func.: ogf

$$\{a(n+3)-7a(n+2)+12a(n+1), a(0)=0, a(1)=2, a(2)=10\}$$

Sequence: A080643
Score: 9.01659
Type of gen. func.: ogf

$$-f(x)(12f(x)x^2-7f(x)x+4x^2+f(x)-2x)$$

Sequence: A080646
Score: 5.18796
Type of gen. func.: ogf

34 33 32 28 26 25 24 20 12 4

$$(3x - 2x + 3x - 3x + 3x - 2x + 3x - 3x + 3x - 3x + 3x^2 - 2x + 3) / ((x^{32} + x^{24} + 1)(x - 1)^2)$$

Sequence: A080652
Score: 5.23019
Type of gen. func.: ogf

$$(x^{21} - x^{20} + 3x^{11} + 2x^{10} + 2x^9 + 3x^8 + 2x^7 + 3x^6 + 2x^5 + 3x^4 + 2x^3 + 2x^2 + 3x + 2) / ((x + 1)(x^4 - x^2 + 1)(x^2 + x + 1)(x^2 - x + 1)(x^2 + 1)(x - 1)^2)$$

Sequence: A080663
Score: 12.6759
Type of gen. func.: lgdogf

$$-\frac{-x^2 + 8x + 11}{-x^3 + 6x^2 - 3x - 2}$$

Sequence: A080663
Score: 13.5071
Type of gen. func.: ogf

$$\frac{x^2 - 5x - 2}{(x - 1)^3}$$

Sequence: A080663
Score: 25.2666
Type of gen. func.: lgdogf

$$-\frac{x^2 - 8x - 11}{(x - 1)(x^2 - 5x - 2)}$$

Sequence: A080663
Score: 7.10286
Type of gen. func.: ogf

$$(724 f(x) - 3833) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 5 x + 2)$$

Sequence: A080663
Score: 7.22747
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2, a(1) = 11, a(2) = 26\}$$

Sequence: A080674
Score: 13.1981
Type of gen. func.: ogf

$$-4 f(x) x^2 + 5 f(x) x - f(x) + 4 x$$

Sequence: A080674
Score: 16.2226
Type of gen. func.: lgdogf

$$- \frac{8 x - 5}{4 x^2 - 5 x + 1}$$

Sequence: A080674
Score: 18.7539
Type of gen. func.: revogf

$$- \frac{-4 - 5 x + (4 + x)^{1/2} (4 + 9 x)^{1/2}}{8 x}$$

Sequence: A080674
Score: 21.0456
Type of gen. func.: ogf

$$\frac{4 x}{(x - 1) (4 x - 1)}$$

Sequence: A080674
Score: 33.4309
Type of gen. func.: lgdogf

$$- \frac{8 x - 5}{(4 x - 1) (x - 1)}$$

Sequence: A080674
Score: 9.61341
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 4\}$$

Sequence: A080675
Score: 11.7187
Type of gen. func.: lgdogf

$$- \frac{4 x^2 + 8 x - 6}{4 x^3 - x^2 - 4 x + 1}$$

Sequence: A080675
Score: 16.6666
Type of gen. func.: ogf

$$\frac{2 (x + 1)}{(x - 1) (4 x - 1)}$$

Sequence: A080675
Score: 17.1424
Type of gen. func.: revogf

$$- \frac{-2 - 5 x + (9 x^2 + 28 x + 4)^{1/2}}{4 (2 x - 1)}$$

Sequence: A080675
Score: 19.3980
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^2+4\,x-3)}{(x-1)\,(4\,x-1)\,(x+1)}$$

Sequence: A080675
Score: 8.42694
Type of gen. func.: ogf

$$(133\,f(x)+382)\,(4\,f(x)\,x^2-5\,f(x)\,x+f(x)-2\,x-2)$$

Sequence: A080675
Score: 9.03613
Type of gen. func.: ogf

$$\{-a(n+2)+5\,a(n+1)-4\,a(n),\ a(0)=2,\ a(1)=12\}$$

Sequence: A080679
Score: 6.69192
Type of gen. func.: ogf

$$-\frac{x^4\,(x^{11}+x^{10}+x^9+x^8+x^6+x^4+x^3+1)}{(x-1)\,(x+1)\,(x^2+1)\,(x^4+1)\,(x^8+1)}$$

Sequence: A080687
Score: 6.16189
Type of gen. func.: egf]

$$-f(x)^2\,x^2+2\,f(x)^2\,x-2\,f(x)^2-4\,f(x)\,x+6\,f(x)-4$$

Sequence: A080687
Score: 9.00279
Type of gen. func.: lgdegf]

$$-\frac{1 - 5 x + 4 x^2 + (-(4 x - 1) (x + 1)^2)^{1/2}}{(4 x - 1) (x^2 - 2 x + 2)}$$

Sequence: A080706
Score: 5.73227
Type of gen. func.: ogf

$$-(x^{12} - 5 x^{11} - 5 x^{10} - 7 x^9 - 5 x^8 - 5 x^7 - 2 x^6 - 5 x^5 - 5 x^4 - 2 x^3 - 5 x^2 - 5 x - 3) \Big/ ((x + 1) (x^4 - x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2)$$

Sequence: A080709
Score: 8.79951
Type of gen. func.: ogf

$$-\frac{20 x^7 + 42 x^6 + 145 x^5 + 89 x^4 + 58 x^3 + 37 x^2 + 16 x + 4}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A080724
Score: 5.90990
Type of gen. func.: ogf

$$\frac{2 x^{29} - 2 x^{23} + 2 x^{21} - x^{19} + 2 x^{18} - 2 x^{17} + 2 x^{11} - 2 x^5 + 2 x^3 - x + 2}{(x^2 + 1) (x^4 - x^2 + 1) (x^{12} - x^6 + 1) (x - 1)}$$

Sequence: A080726
Score: 5.67630
Type of gen. func.: ogf

$$x (2 x^{29} - 2 x^{23} + 2 x^{21} - 2 x^{19} + 3 x^{18} - 2 x^{17} + 2 x^{11} - 2 x^5 + 2 x^3 - 2 x + 3) \Big/ ((x^2 + 1) (x^4 - x^2 + 1) (x^{12} - x^6 + 1) (x - 1)^2)$$

Sequence: A080727
Score: 4.43155
Type of gen. func.: ogf

$$(2 x^{33} - 2 x^{30} + 2 x^{29} - 3 x^{27} + 2 x^{24} - 2 x^{21} + 2 x^{20} + 3 x^{18} - 2 x^{9} + 2 x^{6} - 2 x^{3} + 2 x^{2} + 1) / ((x^{27} + x^{18} + 1) (x - 1)^{2})$$

Sequence: A080734
Score: 8.50665
Type of gen. func.: ogf

$$\frac{2 x^{7} + 3 x^{6} + 3 x^{5} + 2 x^{4} + 3 x^{3} + 3 x^{2} + 3 x + 1}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A080770
Score: 11.9211
Type of gen. func.: lgdogf

$$- \frac{2 (8 x^{3} - 35 x^{2} + 58 x - 43)}{(x - 1) (24 x^{4} - 80 x^{3} + 85 x^{2} - 18 x - 17)}$$

Sequence: A080770
Score: 4.72645
Type of gen. func.: ogf

$$(374436 f(x) + 18516925) (f(x) x^{4} - 4 f(x) x^{3} + 24 x^{4} + 6 f(x) x^{2} - 80 x^{3} - 4 f(x) x + 85 x^{2} + f(x) - 18 x - 17)$$

Sequence: A080770
Score: 7.58103
Type of gen. func.: lgdogf

$$-\frac{-16 x^{3} + 70 x^{2} - 116 x + 86}{-24 x^{5} + 104 x^{4} - 165 x^{3} + 103 x^{2} - x - 17}$$

Sequence: A080770
Score: 8.50760
Type of gen. func.: ogf

$$-\frac{24 x^{4} - 80 x^{3} + 85 x^{2} - 18 x - 17}{(x - 1)^{4}}$$

Sequence: A080775
Score: 17.7578
Type of gen. func.: egf]

$$-24 f(x) x + f(x) - 1$$

Sequence: A080775
Score: 24.8609
Type of gen. func.: lgdegf]

$$\frac{24}{-24 x + 1}$$

Sequence: A080775
Score: 33.9012
Type of gen. func.: egf]

$$-\frac{1}{24 x - 1}$$

Sequence: A080775
Score: 56.5182
Type of gen. func.: lgdegf]

$$-\frac{24}{24 x - 1}$$

Sequence: A080775
Score: 8.19590
Type of gen. func.: ogf

$$\{(-24 n - 48) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 24\}$$

Sequence: A080782
Score: 12.3341
Type of gen. func.: ogf

$$\frac{x^3 - x^2 + 2 x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A080782
Score: 14.3814
Type of gen. func.: lgdogf

$$- \frac{x^5 - x^4 + 6 x^3 + 8 x^2 + x + 3}{(x - 1) (x^2 + x + 1) (x^3 - x^2 + 2 x + 1)}$$

Sequence: A080782
Score: 5.18937
Type of gen. func.: ogf

$$\{(n + 4) a(n + 1) + a(n + 2) + a(n + 3) + (-n - 3) a(n + 4), a(0) = 1, a(1) = 3, a(2) = 2, a(3) = 4\}$$

Sequence: A080782
Score: 6.86335
Type of gen. func.: ogf

$$-(6 f(x) + 19) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x + x^2 + f(x) - 2 x - 1)$$

Sequence: A080806

Score: 5.84109
Type of gen. func.: ogf

$$-(1320 f(x) - 397) (f(x) x^4 - 10 f(x) x^2 + x^3 + 3 x^2 + f(x) - 3 x - 1)$$

Sequence: A080806
Score: 9.20767
Type of gen. func.: lgdogf

$$-\frac{x^6 + 6 x^5 + x^4 - 4 x^3 + 27 x^2 + 14 x + 3}{(x - 1) (x^2 + 4 x + 1) (x^4 - 10 x^2 + 1)}$$

Sequence: A080806
Score: 9.82367
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^2 + 4 x + 1)}{x^4 - 10 x^2 + 1}$$

Sequence: A080827
Score: 10.5209
Type of gen. func.: lgdogf

$$-\frac{x^4 + 4 x^2 + 4 x + 3}{x^5 - x^4 + 2 x^2 - x - 1}$$

Sequence: A080827
Score: 12.1982
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 + x + 1}{(x + 1) (x - 1)^3}$$

Sequence: A080827
Score: 18.7663
Type of gen. func.: lgdogf

$$-\frac{x^4 + 4 x^2 + 4 x + 3}{(x - 1) (x + 1) (x^3 - x^2 + x + 1)}$$

Sequence: A080827
Score: 7.0729
Type of gen. func.: ogf

$$(2 f(x) - 1) (f(x) x^4 - 2 f(x) x^3 + x^3 + 2 f(x) x - x^2 - f(x) + x + 1)$$

Sequence: A080833
Score: 10.9245
Type of gen. func.: lgdegf]

$$-\frac{x^2 + 1}{-x^4 - 2 x^3 + x^2 + 2 x - 1}$$

Sequence: A080833
Score: 38.4571
Type of gen. func.: lgdegf]

$$\frac{x^2 + 1}{(x^2 + x - 1)^2}$$

Sequence: A080834
Score: 16.5031
Type of gen. func.: lgdegf]

$$-\frac{2 x^3 + 2 x^2 - x - 2}{(x^2 + x - 1)^2}$$

Sequence: A080834
Score: 6.53946
Type of gen. func.: lgdegf]

$$-\frac{-2x^3-2x^2+x+2}{-x^4-2x^3+x^2+2x-1}$$

Sequence: A080835
Score: 15.2401
Type of gen. func.: lgdegf]

$$\frac{(x+1)(2x^2-x+1)}{(x^3+x^2+x-1)^2}$$

Sequence: A080835
Score: 6.12483
Type of gen. func.: lgdegf]

$$-\frac{2x^3+x^2+1}{-x^6-2x^5-3x^4+x^2+2x-1}$$

Sequence: A080836
Score: 6.29658
Type of gen. func.: lgdegf]

$$-\frac{3x^4+2x^3+x^2+1}{-x^8-2x^7-3x^6-4x^5-x^4+x^2+2x-1}$$

Sequence: A080838
Score: 11.9651
Type of gen. func.: lgdogf

$$-\frac{-5x^2-14x-5}{-x^3-2x^2+x+2}$$

Sequence: A080838
Score: 23.4509
Type of gen. func.: lgdogf

$$-\frac{5 x^{2} + 14 x + 5}{(x - 1) (x + 2) (x + 1)}$$

Sequence: A080838
Score: 4.52169
Type of gen. func.: ogf

$$\{(n^{2} + 7 n + 12) a(n + 1) + (2 n + 8) a(n + 2) + (-n^{2} - 3 n) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 2\}$$

Sequence: A080838
Score: 9.14976
Type of gen. func.: ogf

$$\frac{x^{3} (x + 2)}{(x + 1)^{2} (x - 1)^{4}}$$

Sequence: A080855
Score: 13.1806
Type of gen. func.: lgdogf

$$-\frac{-7 x^{2} - 16 x - 4}{-7 x^{3} + 6 x^{2} + 1}$$

Sequence: A080855
Score: 13.1806
Type of gen. func.: ogf

$$-\frac{7 x^{2} + x + 1}{}$$

$$(x - 1)^{3}$$

Sequence: A080855
Score: 24.6469
Type of gen. func.: lgdogf

$$-\frac{(x + 2) (7 x + 2)}{(x - 1) (7 x^{2} + x + 1)}$$

Sequence: A080855
Score: 6.93116
Type of gen. func.: ogf

$$-(5 f(x) - 13) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 7 x^{2} - f(x) + x + 1)$$

Sequence: A080855
Score: 7.11517
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 4, a(2) = 16\}$$

Sequence: A080856
Score: 11.8534
Type of gen. func.: lgdogf

$$-\frac{-13 x^{2} - 30 x - 5}{-13 x^{3} + 11 x^{2} + x + 1}$$

Sequence: A080856
Score: 13.0005
Type of gen. func.: ogf

$$-\frac{13 x^{2} + 2 x + 1}{(x - 1)^{3}}$$

Sequence: A080856
Score: 21.3756
Type of gen. func.: lgdogf

$$-\frac{13 x^2 + 30 x + 5}{(x - 1) (13 x^2 + 2 x + 1)}$$

Sequence: A080856
Score: 6.83078
Type of gen. func.: ogf

$$-(13 f(x) - 63) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 13 x^2 - f(x) + 2 x + 1)$$

Sequence: A080856
Score: 7.13303
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 5, a(2) = 25\}$$

Sequence: A080857
Score: 11.1407
Type of gen. func.: lgdogf

$$-\frac{-21 x^2 - 48 x - 6}{-21 x^3 + 18 x^2 + 2 x + 1}$$

Sequence: A080857
Score: 12.2188
Type of gen. func.: ogf

$$-\frac{21 x^2 + 3 x + 1}{(x - 1)^3}$$

Sequence: A080857
Score: 19.5451
Type of gen. func.: lgdogf

$$-\frac{3\,(7\,x^2+16\,x+2)}{(x-1)\,(21\,x^2+3\,x+1)}$$

Sequence: A080857
Score: 6.47495
Type of gen. func.: ogf

$$-(4\,f(x)-31)\,(f(x)\,x^3-3\,f(x)\,x^2+3\,f(x)\,x+21\,x^2-f(x)+3\,x+1)$$

Sequence: A080857
Score: 6.70414
Type of gen. func.: ogf

$$\{a(n+3)-3\,a(n+2)+3\,a(n+1)-a(n),\ a(0)=1,\ a(1)=6,\ a(2)=36\}$$

Sequence: A080859
Score: 11.9259
Type of gen. func.: lgdogf

$$-\frac{3\,x^2+22\,x+11}{3\,x^3+5\,x^2-7\,x-1}$$

Sequence: A080859
Score: 12.9035
Type of gen. func.: ogf

$$-\frac{3\,x^2+8\,x+1}{(x-1)^3}$$

Sequence: A080859
Score: 21.4437
Type of gen. func.: lgdogf

$$-\frac{3x^2+22x+11}{(x-1)(3x^2+8x+1)}$$

Sequence: A080859
Score: 6.78544
Type of gen. func.: ogf

$$(243 f(x) - 1211) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) + 8 x + 1)$$

Sequence: A080859
Score: 6.90449
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 11, a(2) = 33\}$$

Sequence: A080860
Score: 12.0695
Type of gen. func.: lgdogf

$$-\frac{6x^2+38x+16}{6x^3+7x^2-12x-1}$$

Sequence: A080860
Score: 13.0429
Type of gen. func.: ogf

$$-\frac{6x^2+13x+1}{(x-1)^3}$$

Sequence: A080860
Score: 20.8846
Type of gen. func.: lgdogf

2

$$-\frac{2\,(3x + 19x + 8)}{(x-1)\,(6x^{2} + 13x + 1)}$$

Sequence: A080860
Score: 6.79545
Type of gen. func.: ogf

$$(9712 f(x) - 76863)\,(f(x)\,x^{3} - 3 f(x)\,x^{2} + 3 f(x)\,x + 6x^{2} - f(x) + 13x + 1)$$

Sequence: A080860
Score: 7.09349
Type of gen. func.: ogf

$$\{a(n+3) - 3a(n+2) + 3a(n+1) - a(n),\ a(0) = 1,\ a(1) = 16,\ a(2) = 51\}$$

Sequence: A080861
Score: 10.9597
Type of gen. func.: lgdogf

$$-\frac{10x^{2} + 58x + 22}{10x^{3} + 9x^{2} - 18x - 1}$$

Sequence: A080861
Score: 12.0035
Type of gen. func.: ogf

$$-\frac{10x^{2} + 19x + 1}{(x-1)^{3}}$$

Sequence: A080861
Score: 18.5366
Type of gen. func.: lgdogf

$$-\frac{2\,(5x^{2} + 29x + 11)}{{}^{2}}$$

$$(x - 1) (10 x\ \ + 19 x + 1)$$

Sequence: A080861
Score: 6.09855
Type of gen. func.: ogf

$$(216100 f(x) - 2492893)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 10 x^2 - f(x) + 19 x + 1)$$

Sequence: A080861
Score: 6.63351
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 22, a(2) = 73\}$$

Sequence: A080863
Score: 6.97844
Type of gen. func.: ogf

$$\frac{5 x^8 + 2 x^7 + 28 x^6 + 30 x^5 + 30 x^4 + 30 x^3 + 30 x^2 + 30 x + 25}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A080864
Score: 6.97844
Type of gen. func.: ogf

$$\frac{3 x^8 + 2 x^7 + 28 x^6 + 30 x^5 + 30 x^4 + 30 x^3 + 30 x^2 + 30 x + 27}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A080871
Score: 5.82875
Type of gen. func.: ogf

$$-(142 f(x) - 61) (f(x) x^4 - 8 f(x) x^2 + x^3 + 4 x^2 + f(x) - x - 1)$$

Sequence: A080871
Score: 9.68469
Type of gen. func.: ogf

$$-\frac{x^3 + 4 x^2 - x - 1}{x^4 - 8 x^2 + 1}$$

Sequence: A080871
Score: 9.94068
Type of gen. func.: lgdogf

$$-\frac{(x^4 + 6 x^3 - 8 x^2 + 6 x + 1) (x + 1)^2}{(x^3 + 4 x^2 - x - 1) (x^4 - 8 x^2 + 1)}$$

Sequence: A080872
Score: 10.1450
Type of gen. func.: lgdogf

$$-\frac{(x^4 + 8 x^3 - 10 x^2 + 8 x + 1) (x + 1)^2}{(x^3 + 5 x^2 - x - 1) (x^4 - 10 x^2 + 1)}$$

Sequence: A080872
Score: 13.5799
Type of gen. func.: ogf

$$-\frac{x^3 + 5 x^2 - x - 1}{x^4 - 10 x^2 + 1}$$

Sequence: A080872
Score: 8.22267
Type of gen. func.: ogf

$$-(109 f(x) - 48) (f(x) x^4 - 10 f(x) x^2 + x^3 + 5 x^2 + f(x) - x - 1)$$

Sequence: A080873
Score: 10.0373
Type of gen. func.: ogf

$$-\frac{3 x^3 + 8 x^2 - x - 1}{x^4 - 10 x^2 + 1}$$

Sequence: A080873
Score: 6.07764
Type of gen. func.: ogf

$$-(262 f(x) - 77) (f(x) x^4 - 10 f(x) x^2 + 3 x^3 + 8 x^2 + f(x) - x - 1)$$

Sequence: A080873
Score: 9.14480
Type of gen. func.: lgdogf

$$-\frac{3 x^6 + 16 x^5 + 27 x^4 - 4 x^3 + x^2 + 4 x + 1}{(3 x^3 + 8 x^2 - x - 1) (x^4 - 10 x^2 + 1)}$$

Sequence: A080874
Score: 10.0373
Type of gen. func.: ogf

$$-\frac{2 x^3 + 7 x^2 - x - 1}{x^4 - 10 x^2 + 1}$$

Sequence: A080874
Score: 6.02239
Type of gen. func.: ogf

$$-(458 f(x) - 211) (f(x) x^4 - 10 f(x) x^2 + 2 x^3 + 7 x^2 + f(x) - x - 1)$$

Sequence: A080874
Score: 8.89425
Type of gen. func.: lgdogf

$$-\frac{2x^6+14x^5+17x^4-4x^3+4x^2+6x+1}{(2x^3+7x^2-x-1)(x^4-10x^2+1)}$$

Sequence: A080875
Score: 5.67693
Type of gen. func.: ogf

$$-(310 f(x) - 139) (f(x) x^4 - 12 f(x) x^2 + x^3 + 6 x^2 + f(x) - x - 1)$$

Sequence: A080875
Score: 9.26647
Type of gen. func.: lgdogf

$$-\frac{(x^4+10x^3-12x^2+10x+1)(x+1)^2}{(x^3+6x^2-x-1)(x^4-12x^2+1)}$$

Sequence: A080875
Score: 9.46156
Type of gen. func.: ogf

$$-\frac{x^3+6x^2-x-1}{x^4-12x^2+1}$$

Sequence: A080876
Score: 10.1019
Type of gen. func.: ogf

$$-\frac{6x^3+7x^2-x-1}{(2x^2+2x-1)(2x^2-2x-1)}$$

Sequence: A080876
Score: 6.19457
Type of gen. func.: ogf

```
    {a(n + 4) - 8 a(n + 2) + 4 a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 2}
```

Sequence: A080876
Score: 6.50121
Type of gen. func.: ogf

```
                             4           2      3      2
       (4 f(x) - 1) (4 f(x) x  - 8 f(x) x  + 6 x  + 7 x  + f(x) - x - 1)
```

Sequence: A080876
Score: 7.22645
Type of gen. func.: lgdogf

```
                     6       5       4       3       2
                 24 x  + 56 x  + 36 x  - 16 x  - 10 x  + 2 x + 1
           - -------------------------------------------------------
                 2                2                3      2
             (2 x  + 2 x - 1) (2 x  - 2 x - 1) (6 x  + 7 x  - x - 1)
```

Sequence: A080877
Score: 10.6190
Type of gen. func.: ogf

```
                                  3      2
                               3 x  + 4 x  - x - 1
                             - -------------------
                                    4      2
                                 4 x  - 6 x  + 1
```

Sequence: A080877
Score: 6.45076
Type of gen. func.: ogf

```
                               4           2      3      2
      -(64 f(x) - 29) (4 f(x) x  - 6 f(x) x  + 3 x  + 4 x  + f(x) - x - 1)
```

Sequence: A080877
Score: 9.01995
Type of gen. func.: lgdogf

$$-\frac{12 x^6 + 32 x^5 + 6 x^4 - 16 x^3 - 3 x^2 + 4 x + 1}{(3 x^3 + 4 x^2 - x - 1) (4 x^4 - 6 x^2 + 1)}$$

Sequence: A080878
Score: 10.9359
Type of gen. func.: ogf

$$-\frac{(2 x + 1) (x^2 + x - 1)}{4 x^4 - 6 x^2 + 1}$$

Sequence: A080878
Score: 11.2435
Type of gen. func.: lgdogf

$$-\frac{8 x^6 + 24 x^5 - 16 x^3 + 6 x + 1}{(2 x + 1) (x^2 + x - 1) (4 x^4 - 6 x^2 + 1)}$$

Sequence: A080878
Score: 6.64332
Type of gen. func.: ogf

$$-(44 f(x) - 17) (4 f(x) x^4 - 6 f(x) x^2 + 2 x^3 + 3 x^2 + f(x) - x - 1)$$

Sequence: A080879
Score: 7.14251
Type of gen. func.: ogf

$$-(1136 f(x) - 279) (4 f(x) x^4 - 8 f(x) x^2 + x^3 + 2 x^2 + f(x) - x - 1)$$

Sequence: A080879
Score: 7.21207
Type of gen. func.: lgdogf

6   5   4   3   2

$$-\frac{4x + 16x - 4x - 16x + 5x + 12x + 1}{(2x^2 + 2x - 1)(2x^2 - 2x - 1)(x^3 + 2x^2 - x - 1)}$$

Sequence: A080879
Score: 9.63400
Type of gen. func.: ogf

$$-\frac{x^3 + 2x^2 - x - 1}{(2x^2 + 2x - 1)(2x^2 - 2x - 1)}$$

Sequence: A080880
Score: 11.5014
Type of gen. func.: ogf

$$-\frac{5x^3 + 3x^2 - 2x - 1}{(x - 1)(2x + 1)(2x - 1)(x + 1)}$$

Sequence: A080880
Score: 7.25814
Type of gen. func.: ogf

$$(56 f(x) - 43)(4 f(x) x^4 - 5 f(x) x^2 + 5x^3 + 3x^2 + f(x) - 2x - 1)$$

Sequence: A080880
Score: 8.43084
Type of gen. func.: lgdogf

$$-\frac{20x^6 + 24x^5 + x^4 - 16x^3 - 5x^2 + 4x + 2}{(x - 1)(2x + 1)(2x - 1)(x + 1)(5x^3 + 3x^2 - 2x - 1)}$$

Sequence: A080881
Score: 5.66177
Type of gen. func.: ogf

4 2 3 2

$$-(8584 f(x) - 1215) (4 f(x) x - 11 f(x) x + x + x + f(x) - 2 x - 1)$$

Sequence: A080881
Score: 8.74991
Type of gen. func.: lgdogf

$$-\frac{(x + 1) (4 x^5 + 4 x^4 - 17 x^3 + x^2 + 18 x + 2)}{(x^3 + x^2 - 2 x - 1) (4 x^4 - 11 x^2 + 1)}$$

Sequence: A080881
Score: 9.60786
Type of gen. func.: ogf

$$-\frac{x^3 + x^2 - 2 x - 1}{4 x^4 - 11 x^2 + 1}$$

Sequence: A080882
Score: 6.12528
Type of gen. func.: ogf

$$(1060 f(x) - 283) (4 f(x) x^4 - 8 f(x) x^2 + 2 x^3 + x^2 + f(x) - 3 x - 1)$$

Sequence: A080882
Score: 7.22838
Type of gen. func.: lgdogf

$$-\frac{8 x^6 + 8 x^5 - 20 x^4 - 16 x^3 + 18 x^2 + 14 x + 3}{(2 x^2 + 2 x - 1) (2 x^2 - 2 x - 1) (2 x^3 + x^2 - 3 x - 1)}$$

Sequence: A080882
Score: 9.98892
Type of gen. func.: ogf

$$-\frac{2 x^3 + x^2 - 3 x - 1}{\quad}$$

$$(2 x^2 + 2 x - 1) (2 x^2 - 2 x - 1)$$

Sequence: A080889
Score: 4.93197
Type of gen. func.: ogf

$$-(x^{13} - x^5 + 1) \Big/ \left(x^{16} - x^{15} + 2 x^{14} + x^{13} - x^{10} - 2 x^8 + x^7 - 2 x^6 + 2 x^5 + x^3 - x^2 + 2 x - 1\right)$$

Sequence: A080891
Score: 13.0643
Type of gen. func.: ogf

$$-\frac{x (x - 1) (x + 1)}{x^4 + x^3 + x^2 + x + 1}$$

Sequence: A080891
Score: 18.2335
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + x^4 - 4 x^3 - 4 x^2 - 4 x - 1}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A080891
Score: 29.2190
Type of gen. func.: ogf_with_Euler_transform]

$$[x^4 - x - 1]$$

Sequence: A080891
Score: 8.24449
Type of gen. func.: ogf

$$-f(x)\,x^4 - f(x)\,x^3 - f(x)\,x^2 - x^3 - f(x)\,x - f(x) + x$$

Sequence: A080891
Score: 9.64980
Type of gen. func.: lgdogf

$$-\frac{-2\,x^5 - x^4 + 4\,x^3 + 4\,x^2 + 4\,x + 1}{-x^6 - x^5 + x + 1}$$

Sequence: A080893
Score: 20.3358
Type of gen. func.: lgdegf]

$$\frac{1}{(1 - 4\,x)^{1/2}}$$

Sequence: A080893
Score: 32.8142
Type of gen. func.: lgdegf]

$$-1 + (1 - 4\,x)\,f(x)^2$$

Sequence: A080894
Score: 11.4358
Type of gen. func.: lgdegf]

$$1 + (3\,x^2 + 2\,x - 1)\,f(x) + (3\,x^4 + 2\,x^3 - x^2)\,f(x)^2$$

Sequence: A080894
Score: 6.25127
Type of gen. func.: lgdegf]

$$-\frac{1/2\,I\,(x - 1)}{(3\,x - 1)^{1/2}\,(x + 1)^{1/2}\,x^2} - \frac{1}{2\,x^2}$$

Sequence: A080895
Score: 12.2072
Type of gen. func.: lgdegf]

$$\frac{1}{(-3 x^{2} - 2 x + 1)^{1/2} (x + 1)}$$

Sequence: A080895
Score: 18.5215
Type of gen. func.: lgdegf]

$$-1 + (-3 x^{4} - 8 x^{3} - 6 x^{2} + 1) f(x)^{2}$$

Sequence: A080896
Score: 6.06978
Type of gen. func.: lgdegf]

$$(n + 4) a(n + 4) + (-11 - 3 n) a(n + 3) + (-10 - n) a(n + 2)$$

$$+ (9 + 3 n) a(n + 1), a(0) = 1, a(1) = 2, a(2) = 9, a(3) = 28$$

Sequence: A080907
Score: 8.94213
Type of gen. func.: lgdogf

$$\frac{24 x^{26} - 49 x^{25} + 47 x^{24} - 45 x^{23} + 23 x^{22} + 4 x^{6} - 9 x^{5} + 5 x^{4} + 2}{(x - 1) (x^{26} - x^{25} + x^{24} - x^{23} + x^{6} - x^{5} - 1)}$$

Sequence: A080907
Score: 9.70298
Type of gen. func.: ogf

$$- \frac{x^{26} - x^{25} + x^{24} - x^{23} + x^{6} - x^{5} - 1}{(x - 1)^{2}}$$

Sequence: A080920
Score: 11.5692
Type of gen. func.: lgdogf

$$- \frac{-70 x - 2}{-35 x^2 - 2 x + 1}$$

Sequence: A080920
Score: 15.2226
Type of gen. func.: ogf

$$- \frac{x}{(5 x + 1) (7 x - 1)}$$

Sequence: A080920
Score: 15.3872
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (144 x^2 + 4 x + 1)^{1/2}}{70 x}$$

Sequence: A080920
Score: 21.0861
Type of gen. func.: lgdogf

$$- \frac{2 (1 + 35 x)}{(5 x + 1) (7 x - 1)}$$

Sequence: A080920
Score: 7.05438
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 35 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A080920
Score: 9.64099
Type of gen. func.: ogf

$$-35 f(x) x^2 - 2 f(x) x + f(x) - x$$

Sequence: A080921
Score: 10.3006
Type of gen. func.: ogf

$$-48 f(x) x^2 - 2 f(x) x + f(x) - x$$

Sequence: A080921
Score: 12.3608
Type of gen. func.: lgdogf

$$-\frac{-96 x - 2}{-48 x^2 - 2 x + 1}$$

Sequence: A080921
Score: 16.2642
Type of gen. func.: ogf

$$-\frac{x}{(6 x + 1) (8 x - 1)}$$

Sequence: A080921
Score: 16.4569
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (196 x^2 + 4 x + 1)^{1/2}}{96 x}$$

Sequence: A080921
Score: 22.5520
Type of gen. func.: lgdogf

$$-\frac{2 (1 + 48 x)}{(6 x + 1) (8 x - 1)}$$

Sequence: A080921
Score: 7.53705
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 48 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A080923
Score: 15.5753
Type of gen. func.: ogf

$$\frac{(x - 1) (x + 1)}{3 x - 1}$$

Sequence: A080923
Score: 18.9562
Type of gen. func.: lgdogf

$$\frac{3 x^{2} - 2 x + 3}{(x - 1) (3 x - 1) (x + 1)}$$

Sequence: A080923
Score: 7.60224
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2), a(0) = 1, a(1) = 3, a(2) = 8\}$$

Sequence: A080923
Score: 8.99418
Type of gen. func.: ogf

$$(7 f(x) + 2) (3 f(x) x - x^{2} - f(x) + 1)$$

Sequence: A080923
Score: 9.97794
Type of gen. func.: lgdogf

$$- \frac{3 x^{2} - 2 x + 3}{}$$

$$-3 x^3 + x^2 + 3 x - 1$$

Sequence: A080924
Score: 10.0327
Type of gen. func.: lgdogf

$$-\frac{32 x^3 + 28 x^2 + 8 x + 3}{16 x^4 + 20 x^3 - 5 x - 1}$$

Sequence: A080924
Score: 13.3769
Type of gen. func.: ogf

$$-\frac{x (4 x + 1)}{(2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A080924
Score: 14.4475
Type of gen. func.: lgdogf

$$-\frac{32 x^3 + 28 x^2 + 8 x + 3}{(4 x + 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A080924
Score: 6.86923
Type of gen. func.: ogf

$$-(3 f(x) + 1) (4 f(x) x^3 + 4 f(x) x^2 - f(x) x + 4 x^2 - f(x) + x)$$

Sequence: A080924
Score: 6.86923
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) + 4 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 1, a(2) = 3\}$$

Sequence: A080925
Score: 10.4540
Type of gen. func.: lgdogf

$$-\frac{9 x^{2} + 6 x + 5}{9 x^{3} + 9 x^{2} - x - 1}$$

Sequence: A080925
Score: 13.6542
Type of gen. func.: ogf

$$-\frac{x (3 x + 1)}{(x + 1) (3 x - 1)}$$

Sequence: A080925
Score: 16.4792
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (16 x^{2} + 16 x + 1)^{1/2}}{6 (x + 1)}$$

Sequence: A080925
Score: 18.3102
Type of gen. func.: lgdogf

$$-\frac{9 x^{2} + 6 x + 5}{(3 x - 1) (3 x + 1) (x + 1)}$$

Sequence: A080925
Score: 6.62432
Type of gen. func.: ogf

$\{a(n + 3) - 2 a(n + 2) - 3 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 5\}$

Sequence: A080925
Score: 7.87123
Type of gen. func.: ogf

$$-f(x)\,(3\,f(x)\,x^2 + 2\,f(x)\,x + 3\,x^2 - f(x) + x)$$

Sequence: A080926
Score: 11.0318
Type of gen. func.: ogf

$$\frac{x\,(3\,x + 1)}{(x - 1)\,(3\,x - 1)\,(x + 1)}$$

Sequence: A080926
Score: 12.3808
Type of gen. func.: lgdogf

$$-\frac{2\,(9\,x^3 + 3\,x^2 - x - 3)}{(x - 1)\,(3\,x - 1)\,(3\,x + 1)\,(x + 1)}$$

Sequence: A080926
Score: 5.46794
Type of gen. func.: ogf

$$-(332\,f(x) - 765)\,(3\,f(x)\,x^3 - f(x)\,x^2 - 3\,f(x)\,x - 3\,x^2 + f(x) - x)$$

Sequence: A080926
Score: 5.66498
Type of gen. func.: ogf

$$\{-a(n + 3) + 3\,a(n + 2) + a(n + 1) - 3\,a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 6\}$$

Sequence: A080926
Score: 8.98304
Type of gen. func.: lgdogf

$$-\frac{18\,x^3 + 6\,x^2 - 2\,x - 6}{9\,x^4 - 10\,x^2 + 1}$$

Sequence: A080929
Score: 12.5883
Type of gen. func.: lgdogf

$$-\frac{3}{-8x^4+16x^3-12x^2+5x-1}$$

Sequence: A080929
Score: 22.9807
Type of gen. func.: lgdogf

$$\frac{3}{(x-1)(2x-1)(4x^2-2x+1)}$$

Sequence: A080929
Score: 5.03533
Type of gen. func.: ogf

$\{a(n+4) - 6 a(n+3) + 12 a(n+2) - 8 a(n+1), a(0) = 1, a(1) = 3,$

$a(2) = 12, a(3) = 40\}$

Sequence: A080929
Score: 5.66475
Type of gen. func.: ogf

$$(f(x)-1)(8 f(x) x^3 - 12 f(x) x^2 - 4 x^3 + 6 f(x) x + 6 x^2 - f(x) - 3 x + 1)$$

Sequence: A080929
Score: 9.71099
Type of gen. func.: ogf

$$\frac{(x-1)(4x^2-2x+1)}{(2x-1)^3}$$

Sequence: A080930
Score: 12.9249
Type of gen. func.: lgdogf

$$-\frac{4x^3 - 10x^2 + 10x - 5}{(x-1)(2x-1)(2x^2-2x+1)}$$

Sequence: A080930
Score: 18.3102
Type of gen. func.: revogf

$$\frac{-1 + (1+8x)^{(1/4)}}{2(1+8x)^{1/4}}$$

Sequence: A080930
Score: 4.76844
Type of gen. func.: ogf

$$(16 f(x) + 9)(16 f(x) x^4 - 32 f(x) x^3 + 24 f(x) x^2 + 2x^3 - 8 f(x) x - 4x^2 + f(x) + 3x - 1)$$

Sequence: A080930
Score: 6.40334
Type of gen. func.: ogf

$$\{(2n+12) a(n+1) + (-n-3) a(n+2), a(0) = 1, a(1) = 5\}$$

Sequence: A080930
Score: 8.00418
Type of gen. func.: lgdogf

$$-\frac{-4x^3 + 10x^2 - 10x + 5}{-4x^4 + 10x^3 - 10x^2 + 5x - 1}$$

Sequence: A080930

Score: 8.40439
Type of gen. func.: ogf

$$-\frac{(x-1)(2x^2-2x+1)}{(2x-1)^4}$$

Sequence: A080937
Score: 12.6964
Type of gen. func.: ogf

$$-\frac{(3x-1)(x-1)}{x^3-6x^2+5x-1}$$

Sequence: A080937
Score: 12.8985
Type of gen. func.: lgdogf

$$-\frac{3x^4-8x^3+12x^2-6x+1}{(x-1)(3x-1)(x^3-6x^2+5x-1)}$$

Sequence: A080937
Score: 6.91499
Type of gen. func.: ogf

$$\{-a(n+3)+5a(n+2)-6a(n+1)+a(n),\ a(0)=1,\ a(1)=1,\ a(2)=2\}$$

Sequence: A080937
Score: 7.74479
Type of gen. func.: lgdogf

$$-\frac{-3x^4+8x^3-12x^2+6x-1}{-3x^5+22x^4-40x^3+29x^2-9x+1}$$

Sequence: A080937
Score: 8.702

Type of gen. func.: ogf

$$f(x)\,x^3 - 6\,f(x)\,x^2 + 5\,f(x)\,x + 3\,x^2 - f(x) - 4\,x + 1$$

Sequence: A080938
Score: 6.24082
Type of gen. func.: ogf

$$-f(x)\,x^4 + 10\,f(x)\,x^3 - 15\,f(x)\,x^2 - 4\,x^3 + 7\,f(x)\,x + 10\,x^2 - f(x) - 6\,x + 1$$

Sequence: A080938
Score: 7.48045
Type of gen. func.: lgdogf

$$-\frac{4\,x^6 - 20\,x^5 + 58\,x^4 - 68\,x^3 + 38\,x^2 - 10\,x + 1}{(x - 1)\,(2\,x - 1)\,(2\,x^2 - 4\,x + 1)\,(x^3 - 9\,x^2 + 6\,x - 1)}$$

Sequence: A080938
Score: 8.48679
Type of gen. func.: ogf

$$-\frac{(2\,x - 1)\,(2\,x^2 - 4\,x + 1)}{(x - 1)\,(x^3 - 9\,x^2 + 6\,x - 1)}$$

Sequence: A080951
Score: 13.8054
Type of gen. func.: lgdogf

$$\frac{5}{(x - 1)\,(2\,x - 1)\,(16\,x^4 - 24\,x^3 + 16\,x^2 - 4\,x + 1)}$$

Sequence: A080951
Score: 5.76472
Type of gen. func.: ogf

$$\frac{(x-1)\,(16x^4-24x^3+16x^2-4x+1)}{(2x-1)^5}$$

Sequence: A080951
Score: 6.53731
Type of gen. func.: ogf

$$\{(-2n-10)\,a(n)+(n+1)\,a(n+1),\ a(0)=1,\ a(1)=5\}$$

Sequence: A080951
Score: 8.56918
Type of gen. func.: lgdogf

$$-\frac{5}{-32x^6+96x^5-120x^4+80x^3-30x^2+7x-1}$$

Sequence: A080952
Score: 17.3027
Type of gen. func.: revogf

$$\frac{-1+(4x+1)^{(1/6)}}{2\,(4x+1)^{1/6}}$$

Sequence: A080952
Score: 5.16756
Type of gen. func.: ogf

$$-\frac{(x-1)\,(4x^2-2x+1)\,(4x^2-6x+3)}{(2x-1)^6}$$

Sequence: A080952
Score: 5.99632
Type of gen. func.: ogf

$$\{(2n+16)\,a(n+1)+(-n-3)\,a(n+2),\ a(0)=3,\ a(1)=21\}$$

Sequence: A080952
Score: 7.41545
Type of gen. func.: lgdogf

$$-\frac{32 x^5 - 112 x^4 + 168 x^3 - 140 x^2 + 70 x - 21}{(x - 1) (2 x - 1) (4 x^2 - 2 x + 1) (4 x^2 - 6 x + 3)}$$

Sequence: A080954
Score: 13.6916
Type of gen. func.: lgdegf]

$$-\frac{-6 + 5 x}{-x + 1}$$

Sequence: A080954
Score: 31.5228
Type of gen. func.: lgdegf]

$$-6 + 5 x + (-x + 1) f(x)$$

Sequence: A080954
Score: 4.02696
Type of gen. func.: ogf

$\{(-5 n - 10) a(n + 1) + (n + 8) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 6,$

$a(2) = 37\}$

Sequence: A080956
Score: 15.4291
Type of gen. func.: ogf

$$\frac{2 x - 1}{(x - 1)^3}$$

Sequence: A080956
Score: 17.0363
Type of gen. func.: lgdogf

$$-\frac{-4 x + 1}{-2 x^{2} + 3 x - 1}$$

Sequence: A080956
Score: 43.8788
Type of gen. func.: lgdogf

$$-\frac{-1 + 4 x}{(2 x - 1) (x - 1)}$$

Sequence: A080956
Score: 7.36704
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 1, a(1) = 1, a(2) = 0\}$$

Sequence: A080956
Score: 7.93924
Type of gen. func.: ogf

$$(2 f(x) + 3) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x - f(x) - 2 x + 1)$$

Sequence: A080957
Score: 11.3926
Type of gen. func.: ogf

$$\frac{6 x^{2} - 9 x + 5}{(x - 1)^{4}}$$

Sequence: A080957
Score: 11.3926
Type of gen. func.: lgdogf

2

$$-\frac{-12 x + 15 x - 11}{-6 x^{3} + 15 x^{2} - 14 x + 5}$$

Sequence: A080957
Score: 20.8391
Type of gen. func.: lgdogf

$$-\frac{12 x^{2} - 15 x + 11}{(x - 1) (6 x^{2} - 9 x + 5)}$$

Sequence: A080957
Score: 3.83459
Type of gen. func.: ogf

$$\{(-5 n - 20) a(n + 4) + (53 + 14 n) a(n + 3) + (-45 - 15 n) a(n + 2)$$
$$+ (18 + 6 n) a(n + 1), a(0) = 5, a(1) = 11, a(2) = 20, a(3) = 34\}$$

Sequence: A080957
Score: 5.91046
Type of gen. func.: ogf

$$(128 f(x) - 409)$$
$$(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 4 f(x) x - 6 x^{2} + f(x) + 9 x - 5)$$

Sequence: A080960
Score: 13.9355
Type of gen. func.: ogf

$$\frac{x + 1}{(-1 + 4 x) (2 x - 1)}$$

Sequence: A080960
Score: 14.2920
Type of gen. func.: revogf

$$-1 - 6 x + (4 x^{2} + 16 x + 1)^{1/2}$$

$$-\frac{}{2 (8 x - 1)}$$

Sequence: A080960
Score: 16.1725
Type of gen. func.: lgdogf

$$-\frac{8 x^2 + 16 x - 7}{(-1 + 4 x) (2 x - 1) (x + 1)}$$

Sequence: A080960
Score: 7.20803
Type of gen. func.: ogf

$$(26 f(x) + 23) (8 f(x) x^2 - 6 f(x) x + f(x) - x - 1)$$

Sequence: A080960
Score: 7.64754
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A080960
Score: 9.64766
Type of gen. func.: lgdogf

$$-\frac{8 x^2 + 16 x - 7}{8 x^3 + 2 x^2 - 5 x + 1}$$

Sequence: A080961
Score: 12.5752
Type of gen. func.: ogf

$$\frac{x + 1}{(5 x - 1) (3 x - 1)}$$

Sequence: A080961
Score: 12.8700
Type of gen. func.: revogf

$$-\frac{-1 - 8 x + (4 x^2 + 20 x + 1)^{1/2}}{2 (-1 + 15 x)}$$

Sequence: A080961
Score: 14.1570
Type of gen. func.: lgdogf

$$-\frac{3 (5 x^2 + 10 x - 3)}{(3 x - 1) (5 x - 1) (x + 1)}$$

Sequence: A080961
Score: 6.5734
Type of gen. func.: ogf

$$(14 f(x) + 13) (15 f(x) x^2 - 8 f(x) x + f(x) - x - 1)$$

Sequence: A080961
Score: 6.96939
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 15 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A080961
Score: 8.63372
Type of gen. func.: lgdogf

$$-\frac{15 x^2 + 30 x - 9}{15 x^3 + 7 x^2 - 7 x + 1}$$

Sequence: A080962
Score: 12.1104
Type of gen. func.: ogf

$$\frac{x + 1}{(6 x - 1) (-1 + 4 x)}$$

Sequence: A080962
Score: 12.3824
Type of gen. func.: revogf

$$-\frac{-1 - 10 x + (4 x^2 + 24 x + 1)^{1/2}}{2 (-1 + 24 x)}$$

Sequence: A080962
Score: 13.9301
Type of gen. func.: lgdogf

$$-\frac{24 x^2 + 48 x - 11}{(6 x - 1) (-1 + 4 x) (x + 1)}$$

Sequence: A080962
Score: 6.39538
Type of gen. func.: ogf

$$(62 f(x) + 59) (24 f(x) x^2 - 10 f(x) x + f(x) - x - 1)$$

Sequence: A080962
Score: 6.69634
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 24 a(n), a(0) = 1, a(1) = 11\}$$

Sequence: A080962
Score: 8.24912
Type of gen. func.: lgdogf

$$-\frac{24 x^2 + 48 x - 11}{24 x^3 + 14 x^2 - 9 x + 1}$$

Sequence: A080963
Score: 4.90668
Type of gen. func.: ogf_with_Euler_transform]

$$-\left(-3x^{15}+2x^{14}-x^{13}+2x^{12}-4x^{11}+2x^{10}-x^{9}+2x^{8}-4x^{7}+2x^{6}-x^{5}+2x^{4}-4x^{3}+2x^{2}-x+2\right)\Big/\left(x^{16}-1\right)$$

Sequence: A080964
Score: 4.52766
Type of gen. func.: ogf_with_Euler_transform]

$$-\left(3x^{15}-2x^{14}+3x^{13}-2x^{12}-x^{11}-2x^{10}+3x^{9}-2x^{8}+6x^{7}-2x^{6}+3x^{5}-2x^{4}-x^{3}-2x^{2}+3x-2\right)\Big/\left(-x^{16}+1\right)$$

Sequence: A080965
Score: 13.0100
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3x^{3}+4x^{2}-8x+4}{x^{4}-1}$$

Sequence: A080966
Score: 15.6117
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3x^{3}+2x^{2}-4x+2}{x^{4}-1}$$

Sequence: A080995
Score: 7.53960
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^4 + x + 1}{-x^5 - x^4 - x^3 - x^2 - x - 1}$$

Sequence: A081002
Score: 10.1817
Type of gen. func.: ogf

$$\frac{2 x^2 + 4 x - 1}{(x - 1) (x^2 - 7 x + 1)}$$

Sequence: A081002
Score: 5.17569
Type of gen. func.: ogf

$$-(1745 f(x) + 687) (f(x) x^3 - 8 f(x) x^2 + 8 f(x) x - 2 x^2 - f(x) - 4 x + 1)$$

Sequence: A081002
Score: 5.49630
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 8 a(n + 1) - a(n), a(0) = 1, a(1) = 4, a(2) = 22\}$$

Sequence: A081002
Score: 9.98203
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 8 x^3 - 51 x^2 + 20 x - 4}{(x - 1) (x^2 - 7 x + 1) (2 x^2 + 4 x - 1)}$$

Sequence: A081003
Score: 11.1178
Type of gen. func.: lgdogf

$$-\frac{3 x^4 - 20 x^3 + 62 x^2 - 26 x + 6}{}$$

$$(x-1)(x^2-7x+1)(3x^2-10x+2)$$

Sequence: A081003
Score: 11.3172
Type of gen. func.: ogf

$$-\frac{3x^2-10x+2}{(x-1)(x^2-7x+1)}$$

Sequence: A081003
Score: 5.7989
Type of gen. func.: ogf

$$(165120 f(x)+13261)(f(x)x^3-8f(x)x^2+8f(x)x+3x^2-f(x)-10x+2)$$

Sequence: A081003
Score: 6.20943
Type of gen. func.: ogf

$$\{-a(n+3)+8a(n+2)-8a(n+1)+a(n),\ a(0)=2,\ a(1)=6,\ a(2)=35\}$$

Sequence: A081003
Score: 6.74679
Type of gen. func.: lgdogf

$$-\frac{-3x^4+20x^3-62x^2+26x-6}{-3x^5+34x^4-106x^3+99x^2-26x+2}$$

Sequence: A081004
Score: 13.4139
Type of gen. func.: ogf

$$\frac{7x-2}{(x-1)(x^2-7x+1)}$$

Sequence: A081004
Score: 13.6975
Type of gen. func.: lgdogf

$$-\frac{14 x^3 - 62 x^2 + 32 x - 9}{(7 x - 2) (x - 1) (x^2 - 7 x + 1)}$$

Sequence: A081004
Score: 6.07641
Type of gen. func.: ogf

$$-(432945 f(x) + 117778) (f(x) x^3 - 8 f(x) x^2 + 8 f(x) x - f(x) - 7 x + 2)$$

Sequence: A081004
Score: 6.29150
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 8 a(n + 1) - a(n), a(0) = 2, a(1) = 9, a(2) = 56\}$$

Sequence: A081004
Score: 8.26673
Type of gen. func.: lgdogf

$$-\frac{14 x^3 - 62 x^2 + 32 x - 9}{7 x^4 - 58 x^3 + 72 x^2 - 23 x + 2}$$

Sequence: A081005
Score: 11.2847
Type of gen. func.: lgdogf

$$-\frac{2 x^4 - 20 x^3 + 73 x^2 - 44 x + 14}{(x - 1) (x^2 - 7 x + 1) (2 x^2 - 10 x + 3)}$$

Sequence: A081005
Score: 11.6662
Type of gen. func.: ogf

$$-\frac{2x^2 - 10x + 3}{(x-1)(x^2 - 7x + 1)}$$

Sequence: A081005
Score: 5.97772
Type of gen. func.: ogf

$$(141765 f(x) + 23938) (f(x) x^3 - 8 f(x) x^2 + 8 f(x) x + 2 x^2 - f(x) - 10 x + 3)$$

Sequence: A081005
Score: 6.34476
Type of gen. func.: ogf

$$\{-a(n + 3) + 8 a(n + 2) - 8 a(n + 1) + a(n), a(0) = 3, a(1) = 14, a(2) = 90\}$$

Sequence: A081005
Score: 6.88860
Type of gen. func.: lgdogf

$$-\frac{-2x^4 + 20x^3 - 73x^2 + 44x - 14}{-2x^5 + 26x^4 - 99x^3 + 106x^2 - 34x + 3}$$

Sequence: A081006
Score: 11.0301
Type of gen. func.: ogf

$$\frac{x^2 - 4x - 2}{(x-1)(x^2 - 7x + 1)}$$

Sequence: A081006
Score: 11.3907
Type of gen. func.: lgdogf

$$-\frac{x^4 - 8 x^3 + 18 x^2 + 34 x - 20}{(x - 1) (x^2 - 7 x + 1) (x^2 - 4 x - 2)}$$

Sequence: A081006
Score: 5.51508
Type of gen. func.: ogf

$$-(47140 f(x) - 3641) (f(x) x^3 - 8 f(x) x^2 + 8 f(x) x - x^2 - f(x) + 4 x + 2)$$

Sequence: A081006
Score: 5.85077
Type of gen. func.: ogf

$$\{-a(n + 3) + 8 a(n + 2) - 8 a(n + 1) + a(n), a(0) = 2, a(1) = 20, a(2) = 143\}$$

Sequence: A081006
Score: 6.53242
Type of gen. func.: lgdogf

$$-\frac{x^4 - 8 x^3 + 18 x^2 + 34 x - 20}{x^5 - 12 x^4 + 38 x^3 - 17 x^2 - 12 x + 2}$$

Sequence: A081007
Score: 12.2557
Type of gen. func.: ogf

$$-\frac{x (x + 4)}{(x - 1) (x^2 - 7 x + 1)}$$

Sequence: A081007
Score: 14.9848
Type of gen. func.: lgdogf

$$2 x^3 + 4 x^2 - 64 x + 33$$

$$- \frac{}{(x + 4) (x - 1) (x^2 - 7 x + 1)}$$

Sequence: A081007
Score: 6.0222
Type of gen. func.: ogf

$$(165120 f(x) - 46529) (f(x) x^3 - 8 f(x) x^2 + 8 f(x) x + x^2 - f(x) + 4 x)$$

Sequence: A081007
Score: 6.23728
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 8 a(n + 1) - a(n), a(0) = 0, a(1) = 4, a(2) = 33\}$$

Sequence: A081007
Score: 8.31637
Type of gen. func.: lgdogf

$$- \frac{-2 x^3 - 4 x^2 + 64 x - 33}{-x^4 + 4 x^3 + 24 x^2 - 31 x + 4}$$

Sequence: A081008
Score: 12.4184
Type of gen. func.: ogf

$$\frac{x (2 x - 7)}{(x - 1) (x^2 - 7 x + 1)}$$

Sequence: A081008
Score: 13.4341
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 37 x^2 + 112 x - 54}{(x - 1) (2 x - 7) (x^2 - 7 x + 1)}$$

Sequence: A081008
Score: 6.32007
Type of gen. func.: ogf

$$\{-a(n + 3) + 8 a(n + 2) - 8 a(n + 1) + a(n), a(0) = 0, a(1) = 7, a(2) = 54\}$$

Sequence: A081008
Score: 6.87232
Type of gen. func.: ogf

$$-f(x) (f(x) x^3 - 8 f(x) x^2 + 8 f(x) x - 2 x^2 - f(x) + 7 x)$$

Sequence: A081008
Score: 8.13618
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 37 x^2 + 112 x - 54}{2 x^4 - 23 x^3 + 72 x^2 - 58 x + 7}$$

Sequence: A081009
Score: 12.3504
Type of gen. func.: ogf

$$-\frac{4 x + 1}{(x - 1) (x^2 - 7 x + 1)}$$

Sequence: A081009
Score: 13.1101
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 29 x^2 - 16 x + 12}{(x - 1) (4 x + 1) (x^2 - 7 x + 1)}$$

Sequence: A081009
Score: 5.74186
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 8 a(n + 1) - a(n), a(0) = 1, a(1) = 12, a(2) = 88\}$$

Sequence: A081009
Score: 5.8444
Type of gen. func.: ogf

$$(141765 f(x) - 24917) (f(x) x^3 - 8 f(x) x^2 + 8 f(x) x - f(x) + 4 x + 1)$$

Sequence: A081009
Score: 7.70085
Type of gen. func.: lgdogf

$$- \frac{-8 x^3 + 29 x^2 + 16 x - 12}{-4 x^4 + 31 x^3 - 24 x^2 - 4 x + 1}$$

Sequence: A081010
Score: 10.9413
Type of gen. func.: lgdogf

$$- \frac{4 x^4 - 34 x^3 + 113 x^2 - 40 x + 7}{(x - 1) (x^2 - 7 x + 1) (4 x^2 - 17 x + 3)}$$

Sequence: A081010
Score: 11.3172
Type of gen. func.: ogf

$$- \frac{4 x^2 - 17 x + 3}{(x - 1) (x^2 - 7 x + 1)}$$

Sequence: A081010
Score: 5.75137
Type of gen. func.: ogf

$$(661695 f(x) + 162661)$$

$$(f(x) x^3 - 8 f(x) x^2 + 8 f(x) x + 4 x^2 - f(x) - 17 x + 3)$$

Sequence: A081010
Score: 6.20943
Type of gen. func.: ogf

$$\{-a(n + 3) + 8 a(n + 2) - 8 a(n + 1) + a(n), a(0) = 3, a(1) = 7, a(2) = 36\}$$

Sequence: A081010
Score: 6.61949
Type of gen. func.: lgdogf

$$-\frac{-4 x^4 + 34 x^3 - 113 x^2 + 40 x - 7}{-4 x^5 + 49 x^4 - 171 x^3 + 164 x^2 - 41 x + 3}$$

Sequence: A081011
Score: 4.75935
Type of gen. func.: ogf

$$(4537695 f(x) + 1538219)$$

$$(f(x) x^3 - 8 f(x) x^2 + 8 f(x) x + 3 x^2 - f(x) - 17 x + 4)$$

Sequence: A081011
Score: 5.17683
Type of gen. func.: ogf

$$\{-a(n + 3) + 8 a(n + 2) - 8 a(n + 1) + a(n), a(0) = 4, a(1) = 15, a(2) = 91\}$$

Sequence: A081011
Score: 9.03400
Type of gen. func.: lgdogf

$$-\frac{3 x^4 - 34 x^3 + 124 x^2 - 58 x + 15}{{}^{2}\qquad\qquad{}^{2}}$$

$$(x - 1)\ (x\ \ - 7 x + 1)\ (3 x\ \ - 17 x + 4)$$

Sequence: A081011
Score: 9.51869
Type of gen. func.: ogf

$$-\frac{3 x^{2} - 17 x + 4}{(x - 1) (x^{2} - 7 x + 1)}$$

Sequence: A081012
Score: 10.1167
Type of gen. func.: ogf

$$\frac{x^{2} - 8 x - 3}{(x - 1) (x^{2} - 7 x + 1)}$$

Sequence: A081012
Score: 10.2566
Type of gen. func.: lgdogf

$$-\frac{x^{4} - 16 x^{3} + 47 x^{2} + 50 x - 32}{(x - 1) (x^{2} - 7 x + 1) (x^{2} - 8 x - 3)}$$

Sequence: A081012
Score: 4.97678
Type of gen. func.: ogf

$(31104195 f(x) - 7804624)$

$$(f(x) x^{3} - 8 f(x) x^{2} + 8 f(x) x - x^{2} - f(x) + 8 x + 3)$$

Sequence: A081012
Score: 5.36626
Type of gen. func.: ogf

$\{a(n + 3) - 8 a(n + 2) + 8 a(n + 1) - a(n), a(0) = 3, a(1) = 32, a(2) = 231\}$

Sequence: A081013
Score: 10.1235
Type of gen. func.: ogf

$$\frac{x (x - 11)}{(x - 1) (x^2 - 7 x + 1)}$$

Sequence: A081013
Score: 11.5635
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 41 x^2 + 176 x - 87}{(x - 11) (x - 1) (x^2 - 7 x + 1)}$$

Sequence: A081013
Score: 4.89303
Type of gen. func.: ogf

$$(4537695 f(x) - 1569061) (f(x) x^3 - 8 f(x) x^2 + 8 f(x) x - x^2 - f(x) + 11 x)$$

Sequence: A081013
Score: 5.19613
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 8 a(n + 1) - a(n), a(0) = 0, a(1) = 11, a(2) = 87\}$$

Sequence: A081013
Score: 6.67231
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 41 x^2 + 176 x - 87}{x^4 - 19 x^3 + 96 x^2 - 89 x + 11}$$

Sequence: A081014
Score: 4.91799
Type of gen. func.: ogf

$$-(1308 f(x) + 667) (f(x) x^3 - 8 f(x) x^2 + 8 f(x) x - 3 x^2 - f(x) - 4 x + 2)$$

Sequence: A081014
Score: 5.17683
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 8 a(n + 1) - a(n), a(0) = 2, a(1) = 12, a(2) = 77\}$$

Sequence: A081014
Score: 9.32542
Type of gen. func.: lgdogf

$$-\frac{3 x^4 + 8 x^3 - 62 x^2 + 38 x - 12}{(x - 1) (x^2 - 7 x + 1) (3 x^2 + 4 x - 2)}$$

Sequence: A081014
Score: 9.67474
Type of gen. func.: ogf

$$\frac{3 x^2 + 4 x - 2}{(x - 1) (x^2 - 7 x + 1)}$$

Sequence: A081015
Score: 11.3172
Type of gen. func.: ogf

$$\frac{5 (2 x - 1)}{(x - 1) (x^2 - 7 x + 1)}$$

Sequence: A081015
Score: 12.2275
Type of gen. func.: lgdogf

$$-\frac{4x^3-19x^2+16x-6}{(x-1)(2x-1)(x^2-7x+1)}$$

Sequence: A081015
Score: 5.31417
Type of gen. func.: ogf

$$\{a(n+3)-8a(n+2)+8a(n+1)-a(n),\ a(0)=5,\ a(1)=30,\ a(2)=200\}$$

Sequence: A081015
Score: 6.70646
Type of gen. func.: ogf

$$-(453 f(x)+167)(f(x)x^3-8f(x)x^2+8f(x)x-f(x)-10x+5)$$

Sequence: A081015
Score: 7.18975
Type of gen. func.: lgdogf

$$-\frac{4x^3-19x^2+16x-6}{2x^4-17x^3+24x^2-10x+1}$$

Sequence: A081016
Score: 10.7394
Type of gen. func.: ogf

$$\frac{2x-1}{(x-1)(x^2-7x+1)}$$

Sequence: A081016
Score: 11.1441
Type of gen. func.: lgdogf

$$4x^3-19x^2+16x-6$$

$$-\frac{}{(x - 1) (2 x - 1) (x^2 - 7 x + 1)}$$

Sequence: A081016
Score: 5.03707
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 8 a(n + 1) - a(n), a(0) = 1, a(1) = 6, a(2) = 40\}$$

Sequence: A081016
Score: 5.08205
Type of gen. func.: ogf

$$-(2265 f(x) + 167) (f(x) x^3 - 8 f(x) x^2 + 8 f(x) x - f(x) - 2 x + 1)$$

Sequence: A081016
Score: 6.69634
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 19 x^2 + 16 x - 6}{2 x^4 - 17 x^3 + 24 x^2 - 10 x + 1}$$

Sequence: A081017
Score: 10.1235
Type of gen. func.: ogf

$$\frac{5 x (x - 2)}{(x - 1) (x^2 - 7 x + 1)}$$

Sequence: A081017
Score: 12.0453
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 14 x^2 + 32 x - 15}{(x - 2) (x - 1) (x^2 - 7 x + 1)}$$

Sequence: A081017
Score: 5.19613
Type of gen. func.: ogf

$$\{-a(n+3)+8\,a(n+2)-8\,a(n+1)+a(n),\ a(0)=0,\ a(1)=10,\ a(2)=75\}$$

Sequence: A081017
Score: 5.24253
Type of gen. func.: ogf

$$-(3\,f(x)+4)\,(f(x)\,x^{3}-8\,f(x)\,x^{2}+8\,f(x)\,x-5\,x^{2}-f(x)+10\,x)$$

Sequence: A081017
Score: 6.82748
Type of gen. func.: lgdogf

$$-\frac{2\,x^{3}-14\,x^{2}+32\,x-15}{x^{4}-10\,x^{3}+24\,x^{2}-17\,x+2}$$

Sequence: A081018
Score: 12.5586
Type of gen. func.: lgdogf

$$-\frac{2\,x^{3}-14\,x^{2}+32\,x-15}{(x-2)\,(x-1)\,(x^{2}-7\,x+1)}$$

Sequence: A081018
Score: 13.1471
Type of gen. func.: ogf

$$\frac{x\,(x-2)}{(x-1)\,(x^{2}-7\,x+1)}$$

Sequence: A081018
Score: 6.69091
Type of gen. func.: ogf

$$\{-a(n+3) + 8 a(n+2) - 8 a(n+1) + a(n), a(0) = 0, a(1) = 2, a(2) = 15\}$$

Sequence: A081018
Score: 6.69092
Type of gen. func.: ogf

$$-(15 f(x) + 4) (f(x) x^3 - 8 f(x) x^2 + 8 f(x) x - x^2 - f(x) + 2 x)$$

Sequence: A081018
Score: 8.71374
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 14 x^2 + 32 x - 15}{x^4 - 10 x^3 + 24 x^2 - 17 x + 2}$$

Sequence: A081019
Score: 10.0185
Type of gen. func.: ogf

$$\frac{2 x^2 - 4 x - 3}{(x - 1) (x^2 - 7 x + 1)}$$

Sequence: A081019
Score: 5.05066
Type of gen. func.: ogf

$$-(11325 f(x) + 137) (f(x) x^3 - 8 f(x) x^2 + 8 f(x) x - 2 x^2 - f(x) + 4 x + 3)$$

Sequence: A081019
Score: 5.31417
Type of gen. func.: ogf

$$\{-a(n+3) + 8 a(n+2) - 8 a(n+1) + a(n), a(0) = 3, a(1) = 28, a(2) = 198\}$$

Sequence: A081019
Score: 9.82207
Type of gen. func.: lgdogf

$$- \frac{2 x^4 - 8 x^3 + 7 x^2 + 52 x - 28}{(x - 1) (x^2 - 7 x + 1) (2 x^2 - 4 x - 3)}$$

Sequence: A081026
Score: 11.7880
Type of gen. func.: ogf

$$- \frac{x^4 + x^3 - 2 x - 1}{(2 x^2 - 1) (x - 1) (x + 1)}$$

Sequence: A081026
Score: 7.58636
Type of gen. func.: ogf

$$(f(x) + 8) (2 f(x) x^4 + x^4 - 3 f(x) x^2 + x^3 + f(x) - 2 x - 1)$$

Sequence: A081026
Score: 9.75677
Type of gen. func.: lgdogf

$$- \frac{2 x^6 + 6 x^5 - 9 x^4 - 12 x^3 + 3 x^2 + 6 x + 2}{(x - 1) (x + 1) (2 x^2 - 1) (x^4 + x^3 - 2 x - 1)}$$

Sequence: A081031
Score: 5.98554
Type of gen. func.: ogf

```
                2        4    3    2
       (x + 1) (x  + 1) (x  + x  - x  + x + 1)
      -----------------------------------------
        6    5    4    3    2                 2
```

$$(x + x + x + x + x + x + 1) (x - 1)$$

Sequence: A081032
Score: 5.02623
Type of gen. func.: ogf

$$\frac{(2 x^2 - x + 2) (x + 1)^2}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A081033
Score: 13.0027
Type of gen. func.: ogf

$$\frac{x + 1}{(7 x - 1) (5 x - 1)}$$

Sequence: A081033
Score: 13.3144
Type of gen. func.: revogf

$$- \frac{-1 - 12 x + (4 x^2 + 28 x + 1)^{1/2}}{2 (-1 + 35 x)}$$

Sequence: A081033
Score: 14.9787
Type of gen. func.: lgdogf

$$- \frac{35 x^2 + 70 x - 13}{(7 x - 1) (5 x - 1) (x + 1)}$$

Sequence: A081033
Score: 6.86662
Type of gen. func.: ogf

$$(86 f(x) + 83) (35 f(x) x^2 - 12 f(x) x + f(x) - x - 1)$$

Sequence: A081033
Score: 7.18975
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 35 a(n), a(0) = 1, a(1) = 13\}$$

Sequence: A081033
Score: 8.73041
Type of gen. func.: lgdogf

$$-\frac{35 x^2 + 70 x - 13}{35 x^3 + 23 x^2 - 11 x + 1}$$

Sequence: A081034
Score: 12.4669
Type of gen. func.: ogf

$$\frac{x + 1}{(8 x - 1) (6 x - 1)}$$

Sequence: A081034
Score: 12.7592
Type of gen. func.: revogf

$$-\frac{-1 - 14 x + (4 x^2 + 32 x + 1)^{1/2}}{2 (-1 + 48 x)}$$

Sequence: A081034
Score: 14.0040
Type of gen. func.: lgdogf

$$-\frac{3 (16 x^2 + 32 x - 5)}{(6 x - 1) (8 x - 1) (x + 1)}$$

Sequence: A081034

Score: 6.36895
Type of gen. func.: ogf

$$(572 f(x) + 1303) (48 f(x) x^2 - 14 f(x) x + f(x) - x - 1)$$

Sequence: A081034
Score: 6.89346
Type of gen. func.: ogf

$$\{-a(n + 2) + 14 a(n + 1) - 48 a(n), a(0) = 1, a(1) = 15\}$$

Sequence: A081034
Score: 8.37063
Type of gen. func.: lgdogf

$$-\frac{48 x^2 + 96 x - 15}{48 x^3 + 34 x^2 - 13 x + 1}$$

Sequence: A081035
Score: 13.0934
Type of gen. func.: ogf

$$\frac{x + 1}{(9 x - 1) (7 x - 1)}$$

Sequence: A081035
Score: 13.4136
Type of gen. func.: revogf

$$-\frac{-1 - 16 x + (4 x^2 + 36 x + 1)^{1/2}}{2 (-1 + 63 x)}$$

Sequence: A081035
Score: 14.7222
Type of gen. func.: lgdogf

$$63 x^2 + 126 x - 17$$

$$-\frac{\qquad}{(9 x - 1) (7 x - 1) (x + 1)}$$

Sequence: A081035
Score: 6.7625
Type of gen. func.: ogf

$$(146 f(x) + 143) (63 f(x) x^2 - 16 f(x) x + f(x) - x - 1)$$

Sequence: A081035
Score: 7.23986
Type of gen. func.: ogf

$$\{-a(n + 2) + 16 a(n + 1) - 63 a(n), a(0) = 1, a(1) = 17\}$$

Sequence: A081035
Score: 8.66744
Type of gen. func.: lgdogf

$$-\frac{63 x^2 + 126 x - 17}{63 x^3 + 47 x^2 - 15 x + 1}$$

Sequence: A081036
Score: 11.8075
Type of gen. func.: ogf

$$\frac{x + 1}{(10 x - 1) (8 x - 1)}$$

Sequence: A081036
Score: 12.0753
Type of gen. func.: revogf

$$-\frac{-1 - 18 x + (4 x^2 + 40 x + 1)^{1/2}}{2 (-1 + 80 x)}$$

Sequence: A081036
Score: 12.6370
Type of gen. func.: lgdogf

$$-\frac{80 x^2 + 160 x - 19}{(10 x - 1) (8 x - 1) (x + 1)}$$

Sequence: A081036
Score: 6.09837
Type of gen. func.: ogf

$$(182 f(x) + 179) (80 f(x) x^2 - 18 f(x) x + f(x) - x - 1)$$

Sequence: A081036
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 18 a(n + 1) - 80 a(n), a(0) = 1, a(1) = 19\}$$

Sequence: A081036
Score: 7.81621
Type of gen. func.: lgdogf

$$-\frac{80 x^2 + 160 x - 19}{80 x^3 + 62 x^2 - 17 x + 1}$$

Sequence: A081037
Score: 11.2590
Type of gen. func.: ogf

$$\frac{(x + 1)^3}{(2 x + 1)^2}$$

Sequence: A081037
Score: 14.3083
Type of gen. func.: lgdogf

$$-\frac{-2x+1}{2x^2+3x+1}$$

Sequence: A081037
Score: 32.9351
Type of gen. func.: lgdogf

$$\frac{2x-1}{(x+1)(2x+1)}$$

Sequence: A081037
Score: 6.02454
Type of gen. func.: ogf

$$\{a(n+4)+4a(n+3)+4a(n+2), a(0)=1, a(1)=-1, a(2)=3, a(3)=-7\}$$

Sequence: A081037
Score: 7.72001
Type of gen. func.: ogf

$$(3f(x)+5)(4f(x)x^2-x^3+4f(x)x-3x^2+f(x)-3x-1)$$

Sequence: A081038
Score: 12.7784
Type of gen. func.: lgdogf

$$-\frac{-3x+5}{-3x^2+4x-1}$$

Sequence: A081038
Score: 13.6303
Type of gen. func.: ogf

$$-\frac{x-1}{(3x-1)^2}$$

Sequence: A081038
Score: 17.1615
Type of gen. func.: revogf

$$-\frac{-1 - 6 x + (1 + 8 x)^{1/2}}{2 (1 + 9 x)}$$

Sequence: A081038
Score: 25.0271
Type of gen. func.: lgdogf

$$-\frac{-5 + 3 x}{(3 x - 1) (x - 1)}$$

Sequence: A081038
Score: 7.05017
Type of gen. func.: ogf

$$(12 f(x) + 13) (9 f(x) x^2 - 6 f(x) x + f(x) + x - 1)$$

Sequence: A081038
Score: 7.48005
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 9 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A081039
Score: 12.4930
Type of gen. func.: lgdogf

$$-\frac{-4 x + 7}{-4 x^2 + 5 x - 1}$$

Sequence: A081039
Score: 13.0361
Type of gen. func.: ogf

$$-\frac{x - 1}{(-1 + 4 x)^{2}}$$

Sequence: A081039
Score: 15.8729
Type of gen. func.: revogf

$$-\frac{-1 - 8 x + (1 + 12 x)^{1/2}}{2 (1 + 16 x)}$$

Sequence: A081039
Score: 24.4707
Type of gen. func.: lgdogf

$$-\frac{-7 + 4 x}{(-1 + 4 x) (x - 1)}$$

Sequence: A081039
Score: 6.81434
Type of gen. func.: ogf

$$(24 f(x) + 25) (16 f(x) x^{2} - 8 f(x) x + f(x) + x - 1)$$

Sequence: A081039
Score: 7.22484
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 16 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A081040
Score: 12.6221
Type of gen. func.: lgdogf

$$-\frac{-5 x + 9}{-5 x^{2} + 6 x - 1}$$

Sequence: A081040
Score: 12.8906
Type of gen. func.: ogf

$$-\frac{x - 1}{(5 x - 1)^{2}}$$

Sequence: A081040
Score: 15.6232
Type of gen. func.: revogf

$$-\frac{-1 - 10 x + (1 + 16 x)^{1/2}}{2 (1 + 25 x)}$$

Sequence: A081040
Score: 25.8122
Type of gen. func.: lgdogf

$$-\frac{-9 + 5 x}{(5 x - 1) (x - 1)}$$

Sequence: A081040
Score: 6.80742
Type of gen. func.: ogf

$$(40 f(x) + 41) (25 f(x) x^{2} - 10 f(x) x + f(x) + x - 1)$$

Sequence: A081040
Score: 7.21261
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 25 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A081041
Score: 12.1052
Type of gen. func.: lgdogf

$$-\frac{-6x+11}{-6x^2+7x-1}$$

Sequence: A081041
Score: 12.6203
Type of gen. func.: ogf

$$-\frac{x-1}{(6x-1)^2}$$

Sequence: A081041
Score: 15.2940
Type of gen. func.: revogf

$$-\frac{-1-12x+(20x+1)^{1/2}}{2(36x+1)}$$

Sequence: A081041
Score: 24.2155
Type of gen. func.: lgdogf

$$-\frac{-11+6x}{(6x-1)(x-1)}$$

Sequence: A081041
Score: 6.66466
Type of gen. func.: ogf

$$(60 f(x) + 61) (36 f(x) x^2 - 12 f(x) x + f(x) + x - 1)$$

Sequence: A081041
Score: 6.97829
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 36 a(n), a(0) = 1, a(1) = 11\}$$

Sequence: A081042
Score: 12.9611
Type of gen. func.: lgdogf

$$-\frac{-7x+13}{-7x^2+8x-1}$$

Sequence: A081042
Score: 13.5127
Type of gen. func.: ogf

$$-\frac{x-1}{(7x-1)^2}$$

Sequence: A081042
Score: 16.3977
Type of gen. func.: revogf

$$-\frac{-1-14x+(24x+1)^{1/2}}{2(1+49x)}$$

Sequence: A081042
Score: 25.9630
Type of gen. func.: lgdogf

$$-\frac{-13+7x}{(7x-1)(x-1)}$$

Sequence: A081042
Score: 7.1359
Type of gen. func.: ogf

$$(84 f(x) + 85) (49 f(x) x^2 - 14 f(x) x + f(x) + x - 1)$$

Sequence: A081042
Score: 7.47171
Type of gen. func.: ogf

$$\{-a(n + 2) + 14 a(n + 1) - 49 a(n), a(0) = 1, a(1) = 13\}$$

Sequence: A081043
Score: 12.2585
Type of gen. func.: lgdogf

$$-\frac{-8 x + 15}{-8 x^2 + 9 x - 1}$$

Sequence: A081043
Score: 12.7801
Type of gen. func.: ogf

$$-\frac{x - 1}{(8 x - 1)^2}$$

Sequence: A081043
Score: 15.4971
Type of gen. func.: revogf

$$-\frac{-1 - 16 x + (1 + 28 x)^{1/2}}{2 (1 + 64 x)}$$

Sequence: A081043
Score: 24.5370
Type of gen. func.: lgdogf

$$-\frac{-15 + 8 x}{(8 x - 1) (x - 1)}$$

Sequence: A081043
Score: 6.60072
Type of gen. func.: ogf

$$(112 f(x) + 113) (64 f(x) x^2 - 16 f(x) x + f(x) + x - 1)$$

Sequence: A081043
Score: 7.06666
Type of gen. func.: ogf

$$\{-a(n + 2) + 16 a(n + 1) - 64 a(n), a(0) = 1, a(1) = 15\}$$

Sequence: A081044
Score: 11.0990
Type of gen. func.: lgdogf

$$-\frac{-9 x + 17}{-9 x^2 + 10 x - 1}$$

Sequence: A081044
Score: 11.8075
Type of gen. func.: ogf

$$-\frac{x - 1}{(9 x - 1)^2}$$

Sequence: A081044
Score: 14.2997
Type of gen. func.: revogf

$$-\frac{-1 - 18 x + (1 + 32 x)^{1/2}}{2 (1 + 81 x)}$$

Sequence: A081044
Score: 22.6412
Type of gen. func.: lgdogf

$$-\frac{-17 + 9 x}{(9 x - 1) (x - 1)}$$

Sequence: A081044
Score: 6.09837
Type of gen. func.: ogf

$$(144 f(x) + 145) (81 f(x) x^2 - 18 f(x) x + f(x) + x - 1)$$

Sequence: A081044
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 18 a(n + 1) - 81 a(n), a(0) = 1, a(1) = 17\}$$

Sequence: A081045
Score: 10.6245
Type of gen. func.: ogf

$$- \frac{x - 1}{(10 x - 1)^2}$$

Sequence: A081045
Score: 12.7858
Type of gen. func.: revogf

$$- \frac{-1 - 20 x + (36 x + 1)^{1/2}}{2 (1 + 100 x)}$$

Sequence: A081045
Score: 5.54324
Type of gen. func.: ogf

$$(180 f(x) + 181) (100 f(x) x^2 - 20 f(x) x + f(x) + x - 1)$$

Sequence: A081045
Score: 5.92998
Type of gen. func.: ogf

$$\{-a(n + 2) + 20 a(n + 1) - 100 a(n), a(0) = 1, a(1) = 19\}$$

Sequence: A081045
Score: 9.80727
Type of gen. func.: lgdogf

$$-\frac{-10 x + 19}{-10 x^2 + 11 x - 1}$$

Sequence: A081048
Score: 4.91059
Type of gen. func.: ogf

$$\{(n^2 + 4 n + 4) a(n + 1) + (2 n + 5) a(n + 2) + a(n + 3), a(0) = 0, a(1) = 1, a(2) = -3\}$$

Sequence: A081057
Score: 10.6289
Type of gen. func.: ogf

$$-\frac{(x + 1) (2 x - 1)}{(x - 1) (4 x^2 + 2 x - 1)}$$

Sequence: A081057
Score: 10.9540
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^4 + 4 x^3 - 4 x^2 + 1)}{(x - 1) (2 x - 1) (x + 1) (4 x^2 + 2 x - 1)}$$

Sequence: A081057
Score: 5.78895
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 2 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A081057
Score: 6.60646
Type of gen. func.: ogf

$$-(f(x) - 1) (4 f(x) x^3 - 2 f(x) x^2 - 3 f(x) x + 2 x^2 + f(x) + x - 1)$$

Sequence: A081057
Score: 7.62779
Type of gen. func.: lgdogf

$$-\frac{-8 x^4 - 8 x^3 + 8 x^2 - 2}{-8 x^5 + 12 x^3 - x^2 - 4 x + 1}$$

Sequence: A081065
Score: 12.3667
Type of gen. func.: ogf

$$\frac{2 (3 x - 1)}{(x - 1) (x^2 - 14 x + 1)}$$

Sequence: A081065
Score: 5.76411
Type of gen. func.: ogf

$$-(232952 f(x) + 13805) (f(x) x^3 - 15 f(x) x^2 + 15 f(x) x - f(x) - 6 x + 2)$$

Sequence: A081065
Score: 5.81338
Type of gen. func.: ogf

$$\{a(n + 3) - 15 a(n + 2) + 15 a(n + 1) - a(n), a(0) = 2, a(1) = 24, a(2) = 330\}$$

Sequence: A081065
Score: 7.90891
Type of gen. func.: lgdogf

$$-\frac{6x^3 - 48x^2 + 30x - 12}{3x^4 - 46x^3 + 60x^2 - 18x + 1}$$

Sequence: A081067
Score: 10.4851
Type of gen. func.: lgdogf

$$-\frac{x^4 - 8x^3 + 27x^2 - 14x + 4}{(x - 1)(x^2 - 7x + 1)(x^2 - 4x + 1)}$$

Sequence: A081067
Score: 5.20997
Type of gen. func.: ogf

{-a(n + 3) + 8 a(n + 2) - 8 a(n + 1) + a(n), a(0) = 5, a(1) = 20, a(2) = 125}

Sequence: A081067
Score: 5.25567
Type of gen. func.: ogf

$$(81 f(x) + 20)(f(x) x^3 - 8 f(x) x^2 + 8 f(x) x + 5 x^2 - f(x) - 20 x + 5)$$

Sequence: A081067
Score: 9.66365
Type of gen. func.: ogf

$$-\frac{5 (x^2 - 4x + 1)}{(x - 1)(x^2 - 7x + 1)}$$

Sequence: A081068
Score: 10.2316
Type of gen. func.: ogf

$$-\frac{x^2 - 4x + 1}{}$$

$$(x - 1) (x^2 - 7 x + 1)$$

Sequence: A081068
Score: 10.9277
Type of gen. func.: lgdogf

$$- \frac{x^4 - 8 x^3 + 27 x^2 - 14 x + 4}{(x - 1) (x^2 - 7 x + 1) (x^2 - 4 x + 1)}$$

Sequence: A081068
Score: 5.52325
Type of gen. func.: ogf

$$\{-a(n + 3) + 8 a(n + 2) - 8 a(n + 1) + a(n), a(0) = 1, a(1) = 4, a(2) = 25\}$$

Sequence: A081068
Score: 5.57256
Type of gen. func.: ogf

$$(81 f(x) + 4) (f(x) x^3 - 8 f(x) x^2 + 8 f(x) x + x^2 - f(x) - 4 x + 1)$$

Sequence: A081068
Score: 6.11889
Type of gen. func.: lgdogf

$$- \frac{-x^4 + 8 x^3 - 27 x^2 + 14 x - 4}{-x^5 + 12 x^4 - 41 x^3 + 41 x^2 - 12 x + 1}$$

Sequence: A081069
Score: 4.8998
Type of gen. func.: ogf

$$(10035 f(x) + 133) (f(x) x^3 - 8 f(x) x^2 + 8 f(x) x + 9 x^2 - f(x) - 23 x + 4)$$

Sequence: A081069
Score: 5.11660
Type of gen. func.: ogf

$$\{-a(n+3) + 8\,a(n+2) - 8\,a(n+1) + a(n),\ a(0) = 4,\ a(1) = 9,\ a(2) = 49\}$$

Sequence: A081069
Score: 8.84677
Type of gen. func.: lgdogf

$$-\frac{9\,x^4 - 46\,x^3 + 124\,x^2 - 46\,x + 9}{(x-1)\,(x^2 - 7\,x + 1)\,(9\,x^2 - 23\,x + 4)}$$

Sequence: A081069
Score: 9.32542
Type of gen. func.: ogf

$$-\frac{9\,x^2 - 23\,x + 4}{(x-1)\,(x^2 - 7\,x + 1)}$$

Sequence: A081070
Score: 10.0909
Type of gen. func.: ogf

$$-\frac{5\,x\,(x+1)}{(x-1)\,(x^2 - 7\,x + 1)}$$

Sequence: A081070
Score: 12.5821
Type of gen. func.: lgdogf

$$-\frac{(2\,x-1)\,(x^2 - 2\,x - 9)}{(x-1)\,(x+1)\,(x^2 - 7\,x + 1)}$$

Sequence: A081070
Score: 5.13554
Type of gen. func.: ogf

$$\{a(n+3) - 8 a(n+2) + 8 a(n+1) - a(n), a(0) = 0, a(1) = 5, a(2) = 45\}$$

Sequence: A081070
Score: 5.37552
Type of gen. func.: ogf

$$(9 f(x) + 5) (f(x) x^3 - 8 f(x) x^2 + 8 f(x) x + 5 x^2 - f(x) + 5 x)$$

Sequence: A081070
Score: 7.87918
Type of gen. func.: lgdogf

$$- \frac{-2 x^3 + 5 x^2 + 16 x - 9}{-x^4 + 7 x^3 - 7 x + 1}$$

Sequence: A081071
Score: 10.1235
Type of gen. func.: lgdogf

$$- \frac{x^4 + 16 x^3 - 69 x^2 - 14 x + 16}{(x - 1) (x^2 - 7 x + 1) (x^2 + 8 x + 1)}$$

Sequence: A081071
Score: 5.12091
Type of gen. func.: ogf

$$(7695 f(x) - 3508) (f(x) x^3 - 8 f(x) x^2 + 8 f(x) x + x^2 - f(x) + 8 x + 1)$$

Sequence: A081071
Score: 5.20997
Type of gen. func.: ogf

$$\{a(n+3) - 8 a(n+2) + 8 a(n+1) - a(n), a(0) = 1, a(1) = 16, a(2) = 121\}$$

Sequence: A081071
Score: 6.65718
Type of gen. func.: lgdogf

$$-\frac{-x^4 - 16 x^3 + 69 x^2 + 14 x - 16}{-x^5 + 55 x^3 - 55 x^2 + 1}$$

Sequence: A081071
Score: 9.82207
Type of gen. func.: ogf

$$-\frac{x^2 + 8 x + 1}{(x - 1) (x^2 - 7 x + 1)}$$

Sequence: A081072
Score: 11.5015
Type of gen. func.: ogf

$$\frac{3 (6 x - 1)}{(x - 1) (x^2 - 7 x + 1)}$$

Sequence: A081072
Score: 12.1781
Type of gen. func.: lgdogf

$$-\frac{12 x^3 - 51 x^2 + 16 x - 2}{(x - 1) (6 x - 1) (x^2 - 7 x + 1)}$$

Sequence: A081072
Score: 5.49630
Type of gen. func.: ogf

$\{a(n + 3) - 8 a(n + 2) + 8 a(n + 1) - a(n), a(0) = 3, a(1) = 6, a(2) = 24\}$

Sequence: A081072
Score: 5.54538
Type of gen. func.: ogf

$$-(585 f(x) + 421) (f(x) x^3 - 8 f(x) x^2 + 8 f(x) x - f(x) - 18 x + 3)$$

Sequence: A081072
Score: 7.22188
Type of gen. func.: lgdogf

$$-\frac{12 x^3 - 51 x^2 + 16 x - 2}{6 x^4 - 49 x^3 + 56 x^2 - 14 x + 1}$$

Sequence: A081073
Score: 4.61248
Type of gen. func.: ogf

$$-(433305 f(x) + 264892)$$

$$(f(x) x^3 - 8 f(x) x^2 + 8 f(x) x + 2 x^2 - f(x) - 21 x + 4)$$

Sequence: A081073
Score: 5.09800
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 8 a(n + 1) - a(n), a(0) = 4, a(1) = 11, a(2) = 58\}$$

Sequence: A081073
Score: 8.89357
Type of gen. func.: lgdogf

$$-\frac{2 x^4 - 42 x^3 + 164 x^2 - 60 x + 11}{(x - 1) (x^2 - 7 x + 1) (2 x^2 - 21 x + 4)}$$

Sequence: A081073
Score: 9.37374
Type of gen. func.: ogf

$$-\frac{2 x^2 - 21 x + 4}{(x - 1) (x^2 - 7 x + 1)}$$

Sequence: A081074
Score: 10.3818
Type of gen. func.: ogf

$$\frac{3 x (x - 6)}{(x - 1) (x^2 - 7 x + 1)}$$

Sequence: A081074
Score: 12.3574
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 26 x^2 + 96 x - 47}{(x - 6) (x - 1) (x^2 - 7 x + 1)}$$

Sequence: A081074
Score: 5.23602
Type of gen. func.: ogf

$$-(47 f(x) + 108) (f(x) x^3 - 8 f(x) x^2 + 8 f(x) x - 3 x^2 - f(x) + 18 x)$$

Sequence: A081074
Score: 5.28195
Type of gen. func.: ogf

$$\{-a(n + 3) + 8 a(n + 2) - 8 a(n + 1) + a(n), a(0) = 0, a(1) = 18, a(2) = 141\}$$

Sequence: A081074
Score: 7.00165
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 26 x^2 + 96 x - 47}{x^4 - 14 x^3 + 56 x^2 - 49 x + 6}$$

Sequence: A081075
Score: 4.39366
Type of gen. func.: ogf

$$-(5089545 f(x) - 1666477)$$

$$(f(x) x^3 - 8 f(x) x^2 + 8 f(x) x - 2 x^2 - f(x) + 12 x + 5)$$

Sequence: A081075
Score: 4.89033
Type of gen. func.: ogf

{-a(n + 3) + 8 a(n + 2) - 8 a(n + 1) + a(n), a(0) = 5, a(1) = 52, a(2) = 374}

Sequence: A081075
Score: 8.60329
Type of gen. func.: lgdogf

$$-\frac{2 x^4 - 24 x^3 + 65 x^2 + 84 x - 52}{(x - 1) (x^2 - 7 x + 1) (2 x^2 - 12 x - 5)}$$

Sequence: A081075
Score: 9.07077
Type of gen. func.: ogf

$$\frac{2 x^2 - 12 x - 5}{(x - 1) (x^2 - 7 x + 1)}$$

Sequence: A081076
Score: 5.05367
Type of gen. func.: ogf

$$(63 f(x) + 10) (f(x) x^3 - 8 f(x) x^2 + 8 f(x) x + 10 x^2 - f(x) - 30 x + 5)$$

Sequence: A081076
Score: 5.09800
Type of gen. func.: ogf

$$\{-a(n + 3) + 8 a(n + 2) - 8 a(n + 1) + a(n), a(0) = 5, a(1) = 10, a(2) = 50\}$$

Sequence: A081076
Score: 9.22495
Type of gen. func.: ogf

$$-\frac{5 (2 x^2 - 6 x + 1)}{(x - 1) (x^2 - 7 x + 1)}$$

Sequence: A081076
Score: 9.33096
Type of gen. func.: lgdogf

$$-\frac{2 x^4 - 12 x^3 + 35 x^2 - 12 x + 2}{(x - 1) (x^2 - 7 x + 1) (2 x^2 - 6 x + 1)}$$

Sequence: A081077
Score: 5.16506
Type of gen. func.: ogf

$$(275 f(x) + 114) (f(x) x^3 - 8 f(x) x^2 + 8 f(x) x + 6 x^2 - f(x) - 27 x + 6)$$

Sequence: A081077
Score: 5.20997
Type of gen. func.: ogf

$$\{-a(n + 3) + 8 a(n + 2) - 8 a(n + 1) + a(n), a(0) = 6, a(1) = 21, a(2) = 126\}$$

Sequence: A081077
Score: 9.62562
Type of gen. func.: lgdogf

$$-\frac{2 x^4 - 18 x^3 + 62 x^2 - 28 x + 7}{(x - 1) (2 x^2 - 9 x + 2) (x^2 - 7 x + 1)}$$

Sequence: A081077
Score: 9.66365
Type of gen. func.: ogf

$$-\frac{3 (2 x^2 - 9 x + 2)}{(x - 1) (x^2 - 7 x + 1)}$$

Sequence: A081078
Score: 4.89033
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 8 a(n + 1) - a(n), a(0) = 4, a(1) = 44, a(2) = 319\}$$

Sequence: A081078
Score: 5.8332
Type of gen. func.: ogf

$$(10800 f(x) - 4601) (f(x) x^3 - 8 f(x) x^2 + 8 f(x) x - x^2 - f(x) + 12 x + 4)$$

Sequence: A081078
Score: 9.07077
Type of gen. func.: ogf

$$\frac{x^2 - 12 x - 4}{(x - 1) (x^2 - 7 x + 1)}$$

Sequence: A081078
Score: 9.17684
Type of gen. func.: lgdogf

$$-\frac{x^4 - 24 x^3 + 76 x^2 + 66 x - 44}{(x - 1) (x^2 - 7 x + 1) (x^2 - 12 x - 4)}$$

Sequence: A081079
Score: 12.9598
Type of gen. func.: ogf

$$-\frac{15 x}{(x - 1) (x^2 - 7 x + 1)}$$

Sequence: A081079
Score: 17.7928
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 16 x + 8}{(x^2 - 7 x + 1) (x - 1)}$$

Sequence: A081079
Score: 5.22939
Type of gen. func.: ogf

{a(n + 3) - 8 a(n + 2) + 8 a(n + 1) - a(n), a(0) = 0, a(1) = 15, a(2) = 120}

Sequence: A081079
Score: 7.64296
Type of gen. func.: ogf

$$f(x) x^3 - 8 f(x) x^2 + 8 f(x) x - f(x) + 15 x$$

Sequence: A081079
Score: 9.17154
Type of gen. func.: lgdogf

$$3 x^2 - 16 x + 8$$

$$-\frac{}{x^{3}-8x^{2}+8x-1}$$

Sequence: A081085
Score: 3.36062
Type of gen. func.: ogf

$$\{(32n^{2}+128n+128)\,a(n+1)+(-12n^{2}-60n-76)\,a(n+2)$$
$$+(n^{2}+6n+9)\,a(n+3),\ a(0)=1,\ a(1)=4,\ a(2)=20\}$$

Sequence: A081097
Score: 4.89137
Type of gen. func.: ogf

$$\frac{x^{7}+x^{6}+13x^{5}+89x^{4}-17x^{3}-17x^{2}-5x-1}{(x-1)(x^{2}+4x-1)(x^{2}-4x-1)(x^{4}+18x^{2}+1)}$$

Sequence: A081104
Score: 3.56530
Type of gen. func.: ogf

$$-\frac{3x-1}{(-1+4x)^{2}}$$

Sequence: A081104
Score: 5.70609
Type of gen. func.: lgdogf

$$-\frac{-5+12x}{(-1+4x)(3x-1)}$$

Sequence: A081105
Score: 11.6301
Type of gen. func.: lgdogf

$$-20x+6$$

$$- \frac{}{-20 x^2 + 9 x - 1}$$

Sequence: A081105
Score: 12.3724
Type of gen. func.: ogf

$$- \frac{-1 + 4 x}{(5 x - 1)^2}$$

Sequence: A081105
Score: 15.3872
Type of gen. func.: revogf

$$- \frac{-1 - 10 x + (4 x + 1)^{1/2}}{2 (4 + 25 x)}$$

Sequence: A081105
Score: 19.6319
Type of gen. func.: lgdogf

$$- \frac{2 (-3 + 10 x)}{(5 x - 1) (-1 + 4 x)}$$

Sequence: A081105
Score: 6.608
Type of gen. func.: ogf

$$(5 f(x) + 13) (25 f(x) x^2 - 10 f(x) x + f(x) + 4 x - 1)$$

Sequence: A081105
Score: 6.92265
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 25 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A081106
Score: 11.1018
Type of gen. func.: lgdogf

$$-\frac{-30 x + 7}{-30 x^{2} + 11 x - 1}$$

Sequence: A081106
Score: 12.0467
Type of gen. func.: ogf

$$-\frac{5 x - 1}{(6 x - 1)^{2}}$$

Sequence: A081106
Score: 14.9787
Type of gen. func.: revogf

$$-\frac{-1 - 12 x + (4 x + 1)^{1/2}}{2 (5 + 36 x)}$$

Sequence: A081106
Score: 21.3158
Type of gen. func.: lgdogf

$$-\frac{-7 + 30 x}{(6 x - 1) (5 x - 1)}$$

Sequence: A081106
Score: 6.74039
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 36 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A081106
Score: 8.59619
Type of gen. func.: ogf

$$(12 f(x) + 37) (36 f(x) x^2 - 12 f(x) x + f(x) + 5 x - 1)$$

Sequence: A081107
Score: 11.7480
Type of gen. func.: lgdogf

$$- \frac{-42 x + 8}{-42 x^2 + 13 x - 1}$$

Sequence: A081107
Score: 12.7478
Type of gen. func.: ogf

$$- \frac{6 x - 1}{(7 x - 1)^2}$$

Sequence: A081107
Score: 15.8693
Type of gen. func.: revogf

$$- \frac{-1 - 14 x + (4 x + 1)^{1/2}}{2 (6 + 49 x)}$$

Sequence: A081107
Score: 20.9701
Type of gen. func.: lgdogf

$$- \frac{2 (-4 + 21 x)}{(7 x - 1) (6 x - 1)}$$

Sequence: A081107
Score: 7.13269
Type of gen. func.: ogf

$$\{-a(n + 2) + 14 a(n + 1) - 49 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A081107
Score: 8.39499
Type of gen. func.: ogf

$$(7 f(x) + 25) (49 f(x) x^2 - 14 f(x) x + f(x) + 6 x - 1)$$

Sequence: A081108
Score: 12.3354
Type of gen. func.: lgdogf

$$- \frac{-56 x + 9}{-56 x^2 + 15 x - 1}$$

Sequence: A081108
Score: 13.3852
Type of gen. func.: ogf

$$- \frac{7 x - 1}{(8 x - 1)^2}$$

Sequence: A081108
Score: 16.6789
Type of gen. func.: revogf

$$- \frac{-1 - 16 x + (4 x + 1)^{1/2}}{2 (7 + 64 x)}$$

Sequence: A081108
Score: 23.7354
Type of gen. func.: lgdogf

$$- \frac{-9 + 56 x}{(8 x - 1) (7 x - 1)}$$

Sequence: A081108

Score: 7.06858
Type of gen. func.: ogf

$$(16 f(x) + 65) (64 f(x) x^2 - 16 f(x) x + f(x) + 7 x - 1)$$

Sequence: A081108
Score: 7.48932
Type of gen. func.: ogf

$$\{-a(n + 2) + 16 a(n + 1) - 64 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A081109
Score: 11.0417
Type of gen. func.: lgdogf

$$-\frac{-72 x + 10}{-72 x^2 + 17 x - 1}$$

Sequence: A081109
Score: 12.2163
Type of gen. func.: ogf

$$-\frac{8 x - 1}{(9 x - 1)^2}$$

Sequence: A081109
Score: 15.1997
Type of gen. func.: revogf

$$-\frac{-1 - 18 x + (4 x + 1)^{1/2}}{2 (8 + 81 x)}$$

Sequence: A081109
Score: 20.0853
Type of gen. func.: lgdogf

$$-\frac{2 (-5 + 36 x)}{}$$

$$(9 x - 1) (8 x - 1)$$

Sequence: A081109
Score: 6.52461
Type of gen. func.: ogf

$$(9 f(x) + 41) (81 f(x) x^2 - 18 f(x) x + f(x) + 8 x - 1)$$

Sequence: A081109
Score: 6.75489
Type of gen. func.: ogf

$$\{-a(n + 2) + 18 a(n + 1) - 81 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A081113
Score: 3.2983
Type of gen. func.: ogf

$$81 f(x)^2 x^4 - 108 x^3 f(x)^2 + 54 f(x)^2 x^2 + 54 f(x) x^3 - 12 f(x)^2 x - 72 f(x) x^2 + f(x)^2 + 30 f(x) x + 12 x^2 - 4 f(x) - 10 x + 3$$

Sequence: A081122
Score: 10.6721
Type of gen. func.: lgdogf

$$- \frac{-90 x + 11}{-90 x^2 + 19 x - 1}$$

Sequence: A081122
Score: 11.5615
Type of gen. func.: ogf

$$- \frac{9 x - 1}{(10 x - 1)^2}$$

Sequence: A081122
Score: 14.2997
Type of gen. func.: revogf

$$-\frac{-1 - 20 x + (4 x + 1)^{1/2}}{2 (9 + 100 x)}$$

Sequence: A081122
Score: 19.4068
Type of gen. func.: lgdogf

$$-\frac{-11 + 90 x}{(10 x - 1) (9 x - 1)}$$

Sequence: A081122
Score: 6.09837
Type of gen. func.: ogf

$$(20 f(x) + 101) (100 f(x) x^2 - 20 f(x) x + f(x) + 9 x - 1)$$

Sequence: A081122
Score: 6.45292
Type of gen. func.: ogf

$$\{-a(n + 2) + 20 a(n + 1) - 100 a(n), a(0) = 1, a(1) = 11\}$$

Sequence: A081124
Score: 4.22621
Type of gen. func.: ogf

$$\{(n + 3) a(n + 1) + (-n - 2) a(n + 2) + 2 a(n + 4) - 4 a(n + 3), a(0) = 1,$$
$$a(1) = 2, a(2) = 4, a(3) = 8\}$$

Sequence: A081125
Score: 13.7473
Type of gen. func.: lgdegf]

$$2 x^2 + 2 x + 1$$

```
- --------------
     -x - 1
```

Sequence: A081125
Score: 28.1302
Type of gen. func.: lgdegf]

$$-1 - 2 x - 2 x^2 + (x + 1) f(x)$$

Sequence: A081126
Score: 12.6073
Type of gen. func.: lgdegf]

$$-\frac{2 x^2 + 3 x + 2}{-x - 1}$$

Sequence: A081126
Score: 13.4684
Type of gen. func.: lgdegf]

$$4 + 6 x + 4 x^2 + (-2 x^2 - 5 x - 4) f(x) + (x + 1) f(x)^2$$

Sequence: A081127
Score: 14.8533
Type of gen. func.: ogf

$$\frac{x}{(11 x - 1)^2}$$

Sequence: A081127
Score: 17.8239
Type of gen. func.: lgdogf

$$\frac{22}{-11 x + 1}$$

Sequence: A081127
Score: 21.9186
Type of gen. func.: revogf

$$\frac{4x}{\left(1+(1+44x)^{1/2}\right)^2}$$

Sequence: A081127
Score: 40.4652
Type of gen. func.: lgdogf

$$-\frac{22}{11x-1}$$

Sequence: A081127
Score: 6.36569
Type of gen. func.: ogf

$$\{a(n+2)-22a(n+1)+121a(n),\ a(0)=0,\ a(1)=1\}$$

Sequence: A081127
Score: 8.6245
Type of gen. func.: ogf

$$-121 f(x) x^2 + 22 f(x) x - f(x) + x$$

Sequence: A081128
Score: 13.5364
Type of gen. func.: ogf

$$\frac{x}{(-1+12x)^2}$$

Sequence: A081128
Score: 16.2437
Type of gen. func.: lgdogf

24

$$\frac{}{-12 x + 1}$$

Sequence: A081128
Score: 19.9505
Type of gen. func.: revogf

$$\frac{4 x}{(1 + (1 + 48 x)^{1/2})^2}$$

Sequence: A081128
Score: 39.9010
Type of gen. func.: lgdogf

$$- \frac{24}{-1 + 12 x}$$

Sequence: A081128
Score: 5.80133
Type of gen. func.: ogf

$$\{a(n + 2) - 24 a(n + 1) + 144 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A081128
Score: 7.85988
Type of gen. func.: ogf

$$-144 f(x) x^2 + 24 f(x) x - f(x) + x$$

Sequence: A081135
Score: 12.4487
Type of gen. func.: ogf

$$- \frac{x^2}{(5 x - 1)^3}$$

Sequence: A081135
Score: 19.3170
Type of gen. func.: lgdogf

$$\frac{15}{-5 x + 1}$$

Sequence: A081135
Score: 4.91396
Type of gen. func.: ogf

{a(n + 3) - 15 a(n + 2) + 75 a(n + 1) - 125 a(n), a(0) = 0, a(1) = 0, a(2) = 1}

Sequence: A081135
Score: 50.3730
Type of gen. func.: lgdogf

$$-\frac{15}{5 x - 1}$$

Sequence: A081135
Score: 6.5905
Type of gen. func.: ogf

$$125 f(x) x^3 - 75 f(x) x^2 + 15 f(x) x + x^2 - f(x)$$

Sequence: A081136
Score: 13.1047
Type of gen. func.: ogf

$$-\frac{x^2}{(6 x - 1)^3}$$

Sequence: A081136
Score: 20.7867
Type of gen. func.: lgdogf

18

```
                                      --------
                                      -6 x + 1
```

Sequence: A081136
Score: 5.24187
Type of gen. func.: ogf

```
{a(n + 3) - 18 a(n + 2) + 108 a(n + 1) - 216 a(n), a(0) = 0, a(1) = 0, a(2) = 1

    }
```

Sequence: A081136
Score: 54.2478
Type of gen. func.: lgdogf

```
                                         18
                                     - -------
                                       6 x - 1
```

Sequence: A081136
Score: 7.00948
Type of gen. func.: ogf

```
                          3              2                 2
               216 f(x) x  - 108 f(x) x  + 18 f(x) x + x  - f(x)
```

Sequence: A081137
Score: 14.0812
Type of gen. func.: lgdogf

```
                                         21
                                     - -------
                                       7 x - 1
```

Sequence: A081137
Score: 2.0226
Type of gen. func.: ogf

```
                          3              2                 2
               343 f(x) x  - 147 f(x) x  + 21 f(x) x + x  - f(x)
```

Sequence: A081137

Score: 3.78139
Type of gen. func.: ogf

$$-\frac{x^2}{(7x-1)^3}$$

Sequence: A081138
Score: 12.6342
Type of gen. func.: ogf

$$-\frac{x^2}{(8x-1)^3}$$

Sequence: A081138
Score: 20.0404
Type of gen. func.: lgdogf

$$\frac{24}{-8x+1}$$

Sequence: A081138
Score: 47.9317
Type of gen. func.: lgdogf

$$-\frac{24}{8x-1}$$

Sequence: A081138
Score: 5.05367
Type of gen. func.: ogf

{a(n + 3) - 24 a(n + 2) + 192 a(n + 1) - 512 a(n), a(0) = 0, a(1) = 0, a(2) = 1

}

Sequence: A081138
Score: 6.75781
Type of gen. func.: ogf

$$512 f(x) x^3 - 192 f(x) x^2 + 24 f(x) x + x^2 - f(x)$$

Sequence: A081139
Score: 11.9698
Type of gen. func.: ogf

$$- \frac{x^2}{(9 x - 1)^3}$$

Sequence: A081139
Score: 18.9866
Type of gen. func.: lgdogf

$$\frac{27}{-9 x + 1}$$

Sequence: A081139
Score: 4.78791
Type of gen. func.: ogf

{a(n + 3) - 27 a(n + 2) + 243 a(n + 1) - 729 a(n), a(0) = 0, a(1) = 0, a(2) = 1

}

Sequence: A081139
Score: 45.3935
Type of gen. func.: lgdogf

$$- \frac{27}{9 x - 1}$$

Sequence: A081139
Score: 6.40244
Type of gen. func.: ogf

$$729 f(x) x^3 - 243 f(x) x^2 + 27 f(x) x + x^2 - f(x)$$

Sequence: A081140
Score: 12.0910
Type of gen. func.: ogf

$$-\frac{x^2}{(10x-1)^3}$$

Sequence: A081140
Score: 18.9426
Type of gen. func.: lgdogf

$$\frac{30}{-10x+1}$$

Sequence: A081140
Score: 4.89894
Type of gen. func.: ogf

$\{a(n+3) - 30a(n+2) + 300a(n+1) - 1000a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$

Sequence: A081140
Score: 46.8657
Type of gen. func.: lgdogf

$$-\frac{30}{10x-1}$$

Sequence: A081140
Score: 6.53192
Type of gen. func.: ogf

$$1000 f(x) x^3 - 300 f(x) x^2 + 30 f(x) x + x^2 - f(x)$$

Sequence: A081141

Score: 10.8850
Type of gen. func.: ogf

$$-\frac{x^2}{(11x-1)^3}$$

Sequence: A081141
Score: 17.0532
Type of gen. func.: lgdogf

$$\frac{33}{-11x+1}$$

Sequence: A081141
Score: 38.9088
Type of gen. func.: lgdogf

$$-\frac{33}{11x-1}$$

Sequence: A081141
Score: 4.41030
Type of gen. func.: ogf

{a(n + 3) - 33 a(n + 2) + 363 a(n + 1) - 1331 a(n), a(0) = 0, a(1) = 0,

a(2) = 1}

Sequence: A081141
Score: 5.88041
Type of gen. func.: ogf

$$1331 f(x) x^3 - 363 f(x) x^2 + 33 f(x) x + x^2 - f(x)$$

Sequence: A081142
Score: 11.1925
Type of gen. func.: ogf

2

$$-\frac{x}{(-1 + 12\,x)^3}$$

Sequence: A081142
Score: 17.5349
Type of gen. func.: lgdogf

$$\frac{36}{-12\,x + 1}$$

Sequence: A081142
Score: 4.53489
Type of gen. func.: ogf

{a(n + 3) - 36 a(n + 2) + 432 a(n + 1) - 1728 a(n), a(0) = 0, a(1) = 0,

a(2) = 1}

Sequence: A081142
Score: 43.3556
Type of gen. func.: lgdogf

$$-\frac{36}{-1 + 12\,x}$$

Sequence: A081142
Score: 6.04652
Type of gen. func.: ogf

$$1728\,f(x)\,x^3 - 432\,f(x)\,x^2 + 36\,f(x)\,x + x^2 - f(x)$$

Sequence: A081143
Score: 10.7634
Type of gen. func.: ogf

$$\frac{x^3}{(5\,x - 1)^4}$$

Sequence: A081143
Score: 20.7846
Type of gen. func.: lgdogf

$$\frac{20}{-5 x + 1}$$

Sequence: A081143
Score: 4.78375
Type of gen. func.: ogf

$$\{(-1 + n) a(n + 2) + (-5 n - 10) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$$

Sequence: A081143
Score: 5.68635
Type of gen. func.: ogf

$$-625 f(x) x^4 + 500 f(x) x^3 - 150 f(x) x^2 + x^3 + 20 f(x) x - f(x)$$

Sequence: A081143
Score: 54.5147
Type of gen. func.: lgdogf

$$- \frac{20}{5 x - 1}$$

Sequence: A081144
Score: 11.2796
Type of gen. func.: ogf

$$\frac{x^3}{(6 x - 1)^4}$$

Sequence: A081144

Score: 22.1702
Type of gen. func.: lgdogf

$$\frac{24}{-6 x + 1}$$

Sequence: A081144
Score: 5.10267
Type of gen. func.: ogf

{(-1 + n) a(n + 2) + (-12 - 6 n) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0,

a(3) = 1}

Sequence: A081144
Score: 53.3204
Type of gen. func.: lgdogf

$$-\frac{24}{6 x - 1}$$

Sequence: A081144
Score: 6.00876
Type of gen. func.: ogf

$$-1296 f(x) x^4 + 864 f(x) x^3 - 216 f(x) x^2 + x^3 + 24 f(x) x - f(x)$$

Sequence: A081172
Score: 13.6201
Type of gen. func.: ogf

$$\frac{2 x^2 - 1}{x^3 + x^2 + x - 1}$$

Sequence: A081172
Score: 17.0114
Type of gen. func.: lgdogf

4   2

$$-\frac{2x - 5x + 2x - 1}{(2x^2 - 1)(x^3 + x^2 + x - 1)}$$

Sequence: A081172
Score: 6.99413
Type of gen. func.: ogf

$$\{a(n+3) - a(n+2) - a(n+1) - a(n),\ a(0) = 1,\ a(1) = 1,\ a(2) = 0\}$$

Sequence: A081172
Score: 7.1884
Type of gen. func.: ogf

$$(2 f(x) - 13)(f(x) x^3 + f(x) x^2 + f(x) x - 2 x^2 - f(x) + 1)$$

Sequence: A081172
Score: 8.82214
Type of gen. func.: lgdogf

$$-\frac{-2x^4 + 5x^2 - 2x + 1}{-2x^5 - 2x^4 - x^3 + 3x^2 + x - 1}$$

Sequence: A081178
Score: 12.4470
Type of gen. func.: revogf

$$-\frac{7x^2 - x}{-6x + 1}$$

Sequence: A081178
Score: 29.7716
Type of gen. func.: revogf

$$\frac{x(7x - 1)}{6x - 1}$$

Sequence: A081178
Score: 9.23945
Type of gen. func.: lgdogf

$$-\frac{6 x - 1 + (36 x^{2} - 16 x + 1)^{1/2}}{2 (36 x^{2} - 16 x + 1)^{1/2} x}$$

Sequence: A081178
Score: 9.28247
Type of gen. func.: ogf

$$-7 f(x)^{2} x + 6 f(x) x + f(x) - 1$$

Sequence: A081179
Score: 10.0974
Type of gen. func.: ogf

$$-7 f(x) x^{2} + 6 f(x) x - f(x) + x$$

Sequence: A081179
Score: 12.1580
Type of gen. func.: lgdogf

$$-\frac{14 x - 6}{7 x^{2} - 6 x + 1}$$

Sequence: A081179
Score: 15.8469
Type of gen. func.: revogf

$$-\frac{-1 - 6 x + (8 x^{2} + 12 x + 1)^{1/2}}{14 x}$$

Sequence: A081179

Score: 18.0528
Type of gen. func.: ogf

$$\frac{x}{7 x^{2} - 6 x + 1}$$

Sequence: A081179
Score: 23.4535
Type of gen. func.: lgdogf

$$- \frac{2 (-3 + 7 x)}{7 x^{2} - 6 x + 1}$$

Sequence: A081179
Score: 7.35485
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 7 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A081180
Score: 10.0459
Type of gen. func.: ogf

$$-14 f(x) x^{2} + 8 f(x) x - f(x) + x$$

Sequence: A081180
Score: 12.0551
Type of gen. func.: lgdogf

$$- \frac{28 x - 8}{14 x^{2} - 8 x + 1}$$

Sequence: A081180
Score: 16.0400
Type of gen. func.: revogf

$$-1 - 8 x + (8 x^{2} + 16 x + 1)^{1/2}$$

$$- \frac{\quad}{28 x}$$

Sequence: A081180
Score: 17.7280
Type of gen. func.: ogf

$$\frac{x}{14 x^2 - 8 x + 1}$$

Sequence: A081180
Score: 22.8261
Type of gen. func.: lgdogf

$$- \frac{4 (7 x - 2)}{14 x^2 - 8 x + 1}$$

Sequence: A081180
Score: 7.35065
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 14 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A081182
Score: 11.4169
Type of gen. func.: lgdogf

$$- \frac{46 x - 10}{23 x^2 - 10 x + 1}$$

Sequence: A081182
Score: 15.3828
Type of gen. func.: revogf

$$- \frac{-1 - 10 x + (8 x^2 + 20 x + 1)^{1/2}}{46 x}$$

Sequence: A081182
Score: 16.9623
Type of gen. func.: ogf

$$\frac{x}{23 x^2 - 10 x + 1}$$

Sequence: A081182
Score: 20.8767
Type of gen. func.: lgdogf

$$-\frac{2 (-5 + 23 x)}{23 x^2 - 10 x + 1}$$

Sequence: A081182
Score: 7.15278
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 23 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A081182
Score: 9.73249
Type of gen. func.: ogf

$$-23 f(x) x^2 + 10 f(x) x - f(x) + x$$

Sequence: A081183
Score: 10.3314
Type of gen. func.: ogf

$$-34 f(x) x^2 + 12 f(x) x - f(x) + x$$

Sequence: A081183
Score: 12.1195
Type of gen. func.: lgdogf

$$-\frac{68x-12}{34x^2-12x+1}$$

Sequence: A081183
Score: 16.3443
Type of gen. func.: revogf

$$-\frac{-1-12x+(8x^2+24x+1)^{1/2}}{68x}$$

Sequence: A081183
Score: 18.0062
Type of gen. func.: ogf

$$\frac{x}{34x^2-12x+1}$$

Sequence: A081183
Score: 22.1815
Type of gen. func.: lgdogf

$$-\frac{4(-3+17x)}{34x^2-12x+1}$$

Sequence: A081183
Score: 7.59296
Type of gen. func.: ogf

$$\{a(n+2)-12a(n+1)+34a(n), a(0)=0, a(1)=1\}$$

Sequence: A081184
Score: 11.5220
Type of gen. func.: lgdogf

$$-\frac{94x-14}{47x^2-14x+1}$$

Sequence: A081184
Score: 15.5305
Type of gen. func.: revogf

$$-\frac{-1 - 14 x + (8 x^2 + 28 x + 1)^{1/2}}{94 x}$$

Sequence: A081184
Score: 17.1185
Type of gen. func.: ogf

$$\frac{x}{47 x^2 - 14 x + 1}$$

Sequence: A081184
Score: 21.0771
Type of gen. func.: lgdogf

$$-\frac{2 (-7 + 47 x)}{47 x^2 - 14 x + 1}$$

Sequence: A081184
Score: 7.21863
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1) + 47 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A081184
Score: 9.82207
Type of gen. func.: ogf

$$-47 f(x) x^2 + 14 f(x) x - f(x) + x$$

Sequence: A081185

Score: 10.7222
Type of gen. func.: lgdogf

$$-\frac{124 x - 16}{62 x^2 - 16 x + 1}$$

Sequence: A081185
Score: 14.3447
Type of gen. func.: revogf

$$-\frac{-1 - 16 x + (8 x^2 + 32 x + 1)^{1/2}}{124 x}$$

Sequence: A081185
Score: 16.2365
Type of gen. func.: ogf

$$\frac{x}{62 x^2 - 16 x + 1}$$

Sequence: A081185
Score: 19.9801
Type of gen. func.: lgdogf

$$-\frac{4 (-4 + 31 x)}{62 x^2 - 16 x + 1}$$

Sequence: A081185
Score: 6.84671
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1) + 62 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A081185
Score: 9.31601
Type of gen. func.: ogf

$$-62 f(x) x^2 + 16 f(x) x - f(x) + x$$

Sequence: A081186
Score: 12.8345
Type of gen. func.: ogf

$$-\frac{-1 + 4 x}{(5 x - 1) (3 x - 1)}$$

Sequence: A081186
Score: 13.4424
Type of gen. func.: lgdogf

$$-\frac{2 (30 x^2 - 15 x + 2)}{(-1 + 4 x) (3 x - 1) (5 x - 1)}$$

Sequence: A081186
Score: 7.11312
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 15 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A081186
Score: 7.94513
Type of gen. func.: ogf

$$-(f(x) + 7) (15 f(x) x^2 - 8 f(x) x + f(x) + 4 x - 1)$$

Sequence: A081186
Score: 8.55636
Type of gen. func.: lgdogf

$$-\frac{-60 x^2 + 30 x - 4}{-60 x^3 + 47 x^2 - 12 x + 1}$$

Sequence: A081187
Score: 12.5020
Type of gen. func.: ogf

$$-\frac{5x-1}{(6x-1)(-1+4x)}$$

Sequence: A081187
Score: 13.7003
Type of gen. func.: lgdogf

$$-\frac{120x^2-48x+5}{(6x-1)(-1+4x)(5x-1)}$$

Sequence: A081187
Score: 6.38688
Type of gen. func.: ogf

$$-(2f(x)+23)(24f(x)x^2-10f(x)x+f(x)+5x-1)$$

Sequence: A081187
Score: 6.99514
Type of gen. func.: ogf

$$\{a(n+2)-10a(n+1)+24a(n),\ a(0)=1,\ a(1)=5\}$$

Sequence: A081187
Score: 8.27594
Type of gen. func.: lgdogf

$$-\frac{-120x^2+48x-5}{-120x^3+74x^2-15x+1}$$

Sequence: A081188
Score: 12.0467
Type of gen. func.: ogf

$$-\frac{6x-1}{(7x-1)(5x-1)}$$

Sequence: A081188
Score: 12.8886
Type of gen. func.: lgdogf

$$-\frac{2(105x^2-35x+3)}{(6x-1)(7x-1)(5x-1)}$$

Sequence: A081188
Score: 5.48723
Type of gen. func.: revogf

$$x(x^4+3x^2+1)(5x^4+5x^2+1) / (x^{10}+30x^9+15x^8+120x^7+35x^6+126x^5+28x^4+48x^3+9x^2+6x+1)$$

Sequence: A081188
Score: 6.15428
Type of gen. func.: ogf

$$-(f(x)+17)(35 f(x) x^2-12 f(x) x+f(x)+6x-1)$$

Sequence: A081188
Score: 6.74039
Type of gen. func.: ogf

$$\{a(n+2)-12a(n+1)+35a(n), a(0)=1, a(1)=6\}$$

Sequence: A081188
Score: 7.86379
Type of gen. func.: lgdogf

$$-\frac{-210x^2+70x-6}{-210x^3+107x^2-18x+1}$$

Sequence: A081189
Score: 12.7478
Type of gen. func.: ogf

$$-\frac{7x-1}{(8x-1)(6x-1)}$$

Sequence: A081189
Score: 14.3211
Type of gen. func.: lgdogf

$$-\frac{336x^2-96x+7}{(6x-1)(8x-1)(7x-1)}$$

Sequence: A081189
Score: 5.81350
Type of gen. func.: revogf

$$x(x^4+3x^2+1)(5x^4+5x^2+1) \Big/ (x^{10}+35x^9+15x^8+140x^7+35x^6+147x^5+28x^4+56x^3+9x^2+7x+1)$$

Sequence: A081189
Score: 6.51246
Type of gen. func.: ogf

$$-(2f(x)+47)(48f(x)x^2-14f(x)x+f(x)+7x-1)$$

Sequence: A081189
Score: 7.13269
Type of gen. func.: ogf

$$\{a(n+2)-14a(n+1)+48a(n), a(0)=1, a(1)=7\}$$

Sequence: A081189
Score: 8.32147
Type of gen. func.: lgdogf

$$-\frac{-336 x^2 + 96 x - 7}{-336 x^3 + 146 x^2 - 21 x + 1}$$

Sequence: A081190
Score: 13.3852
Type of gen. func.: ogf

$$-\frac{8 x - 1}{(9 x - 1) (7 x - 1)}$$

Sequence: A081190
Score: 14.3516
Type of gen. func.: lgdogf

$$-\frac{2 (252 x^2 - 63 x + 4)}{(8 x - 1) (7 x - 1) (9 x - 1)}$$

Sequence: A081190
Score: 6.11010
Type of gen. func.: revogf

$$x (x^4 + 3 x^2 + 1) (5 x^4 + 5 x^2 + 1) / (x^{10} + 40 x^9 + 15 x^8 + 160 x^7 + 35 x^6 + 168 x^5 + 28 x^4 + 64 x^3 + 9 x^2 + 8 x + 1)$$

Sequence: A081190
Score: 6.55316
Type of gen. func.: ogf

$$-(193 f(x) + 3903) (63 f(x) x^2 - 16 f(x) x + f(x) + 8 x - 1)$$

Sequence: A081190

Score: 7.48932
Type of gen. func.: ogf

$$\{a(n+2) - 16\,a(n+1) + 63\,a(n),\ a(0) = 1,\ a(1) = 8\}$$

Sequence: A081190
Score: 8.61785
Type of gen. func.: lgdogf

$$-\frac{-504\,x^{2} + 126\,x - 8}{-504\,x^{3} + 191\,x^{2} - 24\,x + 1}$$

Sequence: A081191
Score: 3.57134
Type of gen. func.: ogf

$$-\frac{9\,x - 1}{(10\,x - 1)\,(8\,x - 1)}$$

Sequence: A081192
Score: 11.5615
Type of gen. func.: ogf

$$-\frac{10\,x - 1}{(11\,x - 1)\,(9\,x - 1)}$$

Sequence: A081192
Score: 12.0753
Type of gen. func.: lgdogf

$$-\frac{2\,(495\,x^{2} - 99\,x + 5)}{(9\,x - 1)\,(10\,x - 1)\,(11\,x - 1)}$$

Sequence: A081192
Score: 5.78074
Type of gen. func.: revogf

2 6 4 2

$$\frac{x (x + 1) (x + 9 x + 6 x + 1)}{10 x^{9} + 5 x^{8} + 100 x^{7} + 20 x^{6} + 150 x^{5} + 21 x^{4} + 70 x^{3} + 8 x^{2} + 10 x + 1}$$

Sequence: A081192
Score: 5.96722
Type of gen. func.: ogf

$$-(f(x) + 49) (99 f(x) x^{2} - 20 f(x) x + f(x) + 10 x - 1)$$

Sequence: A081192
Score: 6.52884
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1) + 99 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A081192
Score: 7.49934
Type of gen. func.: lgdogf

$$- \frac{-990 x^{2} + 198 x - 10}{-990 x^{3} + 299 x^{2} - 30 x + 1}$$

Sequence: A081193
Score: 13.9355
Type of gen. func.: ogf

$$\frac{3 x + 1}{(-1 + 4 x) (2 x - 1)}$$

Sequence: A081193
Score: 14.2920
Type of gen. func.: revogf

$$- \frac{-1 - 6 x + (4 x^{2} + 24 x + 1)^{1/2}}{2 (-3 + 8 x)}$$

Sequence: A081193
Score: 14.9892
Type of gen. func.: lgdogf

$$-\frac{24 x^{2} + 16 x - 9}{(-1 + 4 x) (2 x - 1) (3 x + 1)}$$

Sequence: A081193
Score: 7.20803
Type of gen. func.: ogf

$$(38 f(x) + 43) (8 f(x) x^{2} - 6 f(x) x + f(x) - 3 x - 1)$$

Sequence: A081193
Score: 7.64754
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A081193
Score: 9.22203
Type of gen. func.: lgdogf

$$-\frac{24 x^{2} + 16 x - 9}{24 x^{3} - 10 x^{2} - 3 x + 1}$$

Sequence: A081194
Score: 13.0385
Type of gen. func.: ogf

$$\frac{1 + 8 x}{(5 x - 1) (3 x - 1)}$$

Sequence: A081194
Score: 13.3544
Type of gen. func.: revogf

$$-\frac{-1 - 8 x + (4 x^2 + 48 x + 1)^{1/2}}{2 (-8 + 15 x)}$$

Sequence: A081194
Score: 13.6649
Type of gen. func.: lgdogf

$$-\frac{2 (60 x^2 + 15 x - 8)}{(1 + 8 x) (3 x - 1) (5 x - 1)}$$

Sequence: A081194
Score: 6.81558
Type of gen. func.: ogf

$$(49 f(x) + 79) (15 f(x) x^2 - 8 f(x) x + f(x) - 8 x - 1)$$

Sequence: A081194
Score: 7.14012
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 15 a(n), a(0) = 1, a(1) = 16\}$$

Sequence: A081194
Score: 8.95179
Type of gen. func.: lgdogf

$$-\frac{120 x^2 + 30 x - 16}{120 x^3 - 49 x^2 + 1}$$

Sequence: A081195
Score: 12.5446
Type of gen. func.: ogf

$$\frac{15 x + 1}{(6 x - 1) (-1 + 4 x)}$$

Sequence: A081195
Score: 13.4127
Type of gen. func.: lgdogf

$$-\frac{360 x^2 + 48 x - 25}{(6 x - 1) (-1 + 4 x) (15 x + 1)}$$

Sequence: A081195
Score: 13.4127
Type of gen. func.: revogf

$$-\frac{-1 - 10 x + (4 x^2 + 80 x + 1)^{1/2}}{6 (-5 + 8 x)}$$

Sequence: A081195
Score: 6.54502
Type of gen. func.: ogf

$$(202 f(x) + 423) (24 f(x) x^2 - 10 f(x) x + f(x) - 15 x - 1)$$

Sequence: A081195
Score: 7.08402
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 24 a(n), a(0) = 1, a(1) = 25\}$$

Sequence: A081195
Score: 8.36308
Type of gen. func.: lgdogf

$$-\frac{360 x^2 + 48 x - 25}{360 x^3 - 126 x^2 + 5 x + 1}$$

Sequence: A081199
Score: 11.1828
Type of gen. func.: lgdogf

$$-\frac{48 x - 10}{24 x^2 - 10 x + 1}$$

Sequence: A081199
Score: 15.0624
Type of gen. func.: revogf

$$-\frac{-1 - 10 x + (4 x^2 + 20 x + 1)^{1/2}}{48 x}$$

Sequence: A081199
Score: 16.6144
Type of gen. func.: ogf

$$\frac{x}{(6 x - 1) (-1 + 4 x)}$$

Sequence: A081199
Score: 19.7369
Type of gen. func.: lgdogf

$$-\frac{2 (-5 + 24 x)}{(6 x - 1) (-1 + 4 x)}$$

Sequence: A081199
Score: 7.00606
Type of gen. func.: ogf

{a(n + 2) - 10 a(n + 1) + 24 a(n), a(0) = 0, a(1) = 1}

Sequence: A081199
Score: 9.53285
Type of gen. func.: ogf

2

$$-24 f(x) x + 10 f(x) x - f(x) + x$$

Sequence: A081200
Score: 10.1817
Type of gen. func.: ogf

$$-35 f(x) x^{2} + 12 f(x) x - f(x) + x$$

Sequence: A081200
Score: 11.9439
Type of gen. func.: lgdogf

$$-\frac{70 x - 12}{35 x^{2} - 12 x + 1}$$

Sequence: A081200
Score: 16.1039
Type of gen. func.: revogf

$$-\frac{-1 - 12 x + (4 x^{2} + 24 x + 1)^{1/2}}{70 x}$$

Sequence: A081200
Score: 17.7452
Type of gen. func.: ogf

$$\frac{x}{(7 x - 1) (5 x - 1)}$$

Sequence: A081200
Score: 21.8553
Type of gen. func.: lgdogf

$$-\frac{2 (-6 + 35 x)}{(7 x - 1) (5 x - 1)}$$

Sequence: A081200
Score: 7.48292
Type of gen. func.: ogf

$$\{a(n+2) - 12\, a(n+1) + 35\, a(n),\ a(0) = 0,\ a(1) = 1\}$$

Sequence: A081201
Score: 11.4068
Type of gen. func.: lgdogf

$$-\frac{96 x - 14}{48 x^2 - 14 x + 1}$$

Sequence: A081201
Score: 12.0095
Type of gen. func.: ogf

$$-48 f(x) x^2 + 14 f(x) x - f(x) + x$$

Sequence: A081201
Score: 15.3728
Type of gen. func.: revogf

$$-\frac{-1 - 14 x + (4 x^2 + 28 x + 1)^{1/2}}{96 x}$$

Sequence: A081201
Score: 16.9473
Type of gen. func.: ogf

$$\frac{x}{(8 x - 1) (6 x - 1)}$$

Sequence: A081201
Score: 20.8631
Type of gen. func.: lgdogf

$$2 (-7 + 48 x)$$

$$-\frac{}{(8 x - 1) (6 x - 1)}$$

Sequence: A081201
Score: 7.14645
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1) + 48 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A081202
Score: 10.2641
Type of gen. func.: ogf

$$-63 f(x) x^2 + 16 f(x) x - f(x) + x$$

Sequence: A081202
Score: 11.8134
Type of gen. func.: lgdogf

$$-\frac{126 x - 16}{63 x^2 - 16 x + 1}$$

Sequence: A081202
Score: 15.8236
Type of gen. func.: revogf

$$-\frac{-1 - 16 x + (4 x^2 + 32 x + 1)^{1/2}}{126 x}$$

Sequence: A081202
Score: 17.8888
Type of gen. func.: ogf

$$\frac{x}{(9 x - 1) (7 x - 1)}$$

Sequence: A081202
Score: 22.0400
Type of gen. func.: lgdogf

$$-\frac{2\,(-8 + 63\,x)}{(9\,x - 1)\,(7\,x - 1)}$$

Sequence: A081202
Score: 7.54347
Type of gen. func.: ogf

$$\{a(n + 2) - 16\,a(n + 1) + 63\,a(n),\ a(0) = 0,\ a(1) = 1\}$$

Sequence: A081203
Score: 10.7222
Type of gen. func.: lgdogf

$$-\frac{160\,x - 18}{80\,x^2 - 18\,x + 1}$$

Sequence: A081203
Score: 14.3447
Type of gen. func.: revogf

$$-\frac{-1 - 18\,x + (4\,x^2 + 36\,x + 1)^{1/2}}{160\,x}$$

Sequence: A081203
Score: 16.2365
Type of gen. func.: ogf

$$\frac{x}{(10\,x - 1)\,(8\,x - 1)}$$

Sequence: A081203
Score: 19.2912
Type of gen. func.: lgdogf

$$2\,(-9 + 80\,x)$$

$$- \frac{}{(10 x - 1) (8 x - 1)}$$

Sequence: A081203
Score: 6.84671
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1) + 80 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A081203
Score: 9.31601
Type of gen. func.: ogf

$$-80 f(x) x^2 + 18 f(x) x - f(x) + x$$

Sequence: A081204
Score: 4.90513
Type of gen. func.: ogf

$$27 f(x)^3 x^4 - 4 f(x)^3 x^2 + 54 x^3 f(x)^2 - 8 f(x)^2 x + 39 f(x) x^2 + 4 f(x) x + x^2 - 4 f(x) + 12 x + 4$$

Sequence: A081207
Score: 14.8350
Type of gen. func.: lgdogf

$$- \frac{x^4 + x^3 - 3 x^2 - 2}{(x + 1) (x^2 + x + 1) (x^2 - 3 x + 1)}$$

Sequence: A081207
Score: 6.40406
Type of gen. func.: ogf

$$f(x)^2 x^4 - 2 x^3 f(x)^2 - f(x)^2 x^2 - 2 f(x)^2 x + f(x)^2 - x^2 - 2 x - 1$$

Sequence: A081207
Score: 7.72664
Type of gen. func.: lgdogf

$$-\frac{-x^4 - x^3 + 3 x^2 + 2}{-x^5 + x^4 + 3 x^3 + 3 x^2 + x - 1}$$

Sequence: A081219
Score: 10.9362
Type of gen. func.: lgdogf

$$-\frac{2 (x^4 + 44 x^3 + 182 x^2 + 140 x + 17)}{(x - 1) (x^4 + 28 x^3 + 70 x^2 + 28 x + 1)}$$

Sequence: A081219
Score: 3.95878
Type of gen. func.: ogf

$$\{(-2 n^2 - 13 n - 21) a(n + 1) + (4 n^2 + 24 n + 66) a(n + 2)$$
$$+ (-2 n^2 - 11 n - 15) a(n + 3), a(0) = 1, a(1) = 34, a(2) = 259\}$$

Sequence: A081219
Score: 6.77062
Type of gen. func.: ogf

$$\frac{x^4 + 28 x^3 + 70 x^2 + 28 x + 1}{(x - 1)^6}$$

Sequence: A081219
Score: 6.83449
Type of gen. func.: lgdogf

$$-\frac{-2 x^4 - 88 x^3 - 364 x^2 - 280 x - 34}{-x^5 - 27 x^4 - 42 x^3 + 42 x^2 + 27 x + 1}$$

Sequence: A081250

Score: 11.4891

Type of gen. func.: ogf

$$\frac{x^2 + 1}{(x - 1)(3 x - 1)(x + 1)}$$

Sequence: A081250

Score: 12.8369

Type of gen. func.: lgdogf

$$-\frac{3 x^4 + 12 x^2 - 4 x - 3}{(x - 1)(3 x - 1)(x + 1)(x^2 + 1)}$$

Sequence: A081250

Score: 5.79538

Type of gen. func.: ogf

$$-(14 f(x) + 41)(3 f(x) x^3 - f(x) x^2 - 3 f(x) x - x^2 + f(x) - 1)$$

Sequence: A081250

Score: 5.79538

Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - a(n + 1) + 3 a(n), a(0) = 1, a(1) = 3, a(2) = 11\}$$

Sequence: A081250

Score: 8.97093

Type of gen. func.: lgdogf

$$-\frac{3 x^4 + 12 x^2 - 4 x - 3}{3 x^5 - x^4 - 3 x + 1}$$

Sequence: A081251
Score: 10.4870
Type of gen. func.: lgdogf

$$-\frac{-9 x^{2} + 2 x + 3}{-3 x^{3} + x^{2} + 3 x - 1}$$

Sequence: A081251
Score: 16.3700
Type of gen. func.: ogf

$$\frac{2}{(x - 1) (3 x - 1) (x + 1)}$$

Sequence: A081251
Score: 18.2816
Type of gen. func.: lgdogf

$$-\frac{9 x^{2} - 2 x - 3}{(x - 1) (3 x - 1) (x + 1)}$$

Sequence: A081251
Score: 5.93955
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - a(n + 1) + 3 a(n), a(0) = 2, a(1) = 6, a(2) = 20\}$$

Sequence: A081251
Score: 6.64523
Type of gen. func.: ogf

$$(13 f(x) + 54) (3 f(x) x^{3} - f(x) x^{2} - 3 f(x) x + f(x) - 2)$$

Sequence: A081253
Score: 12.0491
Type of gen. func.: ogf

2

$$-\frac{x - 2}{(x - 1)(2 x - 1)(x + 1)}$$

Sequence: A081253
Score: 12.9435
Type of gen. func.: lgdogf

$$-\frac{2 (x - 2)(x^3 + 2 x^2 - x - 1)}{(x - 1)(2 x - 1)(x + 1)(x^2 - 2)}$$

Sequence: A081253
Score: 6.13212
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - a(n + 1) + 2 a(n), a(0) = 2, a(1) = 4, a(2) = 9\}$$

Sequence: A081253
Score: 6.24361
Type of gen. func.: ogf

$$(65 f(x) + 239)(2 f(x) x^3 - f(x) x^2 - 2 f(x) x + x^2 + f(x) - 2)$$

Sequence: A081253
Score: 7.71683
Type of gen. func.: lgdogf

$$-\frac{-2 x^4 + 10 x^2 - 2 x - 4}{-2 x^5 + x^4 + 6 x^3 - 3 x^2 - 4 x + 2}$$

Sequence: A081254
Score: 11.8176
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{(x - 1)(2 x - 1)(x + 1)}$$

Sequence: A081254
Score: 13.5964
Type of gen. func.: lgdogf

$$-\frac{2 x^{4} - 4 x^{3} - 3 x^{2} + 3}{(x - 1) (2 x - 1) (x + 1) (x^{2} - x - 1)}$$

Sequence: A081254
Score: 6.16131
Type of gen. func.: ogf

$$-(11 f(x) + 25) (2 f(x) x^{3} - f(x) x^{2} - 2 f(x) x + x^{2} + f(x) - x - 1)$$

Sequence: A081254
Score: 6.43638
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - a(n + 1) + 2 a(n), a(0) = 1, a(1) = 3, a(2) = 6\}$$

Sequence: A081254
Score: 7.83559
Type of gen. func.: lgdogf

$$-\frac{-2 x^{4} + 4 x^{3} + 3 x^{2} - 3}{-2 x^{5} + 3 x^{4} + 3 x^{3} - 4 x^{2} - x + 1}$$

Sequence: A081266
Score: 14.1055
Type of gen. func.: ogf

$$-\frac{3 x (x + 2)}{(x - 1)^{3}}$$

Sequence: A081266
Score: 16.7503
Type of gen. func.: lgdogf

$$-\frac{2 x + 7}{x^2 + x - 2}$$

Sequence: A081266
Score: 39.6264
Type of gen. func.: lgdogf

$$-\frac{2 x + 7}{(x + 2) (x - 1)}$$

Sequence: A081266
Score: 7.11517
Type of gen. func.: ogf

$$-(27 f(x) - 95) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) + 6 x)$$

Sequence: A081266
Score: 7.17870
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 6, a(2) = 21\}$$

Sequence: A081267
Score: 12.4284
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 16 x + 9}{2 x^3 + 4 x^2 - 5 x - 1}$$

Sequence: A081267
Score: 13.2433
Type of gen. func.: ogf

2

$$-\frac{2 x \; + 6 x + 1}{(x - 1)^3}$$

Sequence: A081267
Score: 22.6437
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 16 x + 9}{(x - 1) (2 x^2 + 6 x + 1)}$$

Sequence: A081267
Score: 6.73203
Type of gen. func.: ogf

$$(57105 f(x) - 219761) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x) + 6 x + 1)$$

Sequence: A081267
Score: 7.14905
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 9, a(2) = 26\}$$

Sequence: A081268
Score: 12.1145
Type of gen. func.: lgdogf

$$-\frac{-x^2 + 16 x + 12}{-x^3 + 10 x^2 - 8 x - 1}$$

Sequence: A081268
Score: 13.3061
Type of gen. func.: ogf

$$\frac{x^2 - 9 x - 1}{{}^{3}}$$

$$(x - 1)$$

Sequence: A081268
Score: 24.1320
Type of gen. func.: lgdogf

$$-\frac{x^2 - 16 x - 12}{(x - 1) (x^2 - 9 x - 1)}$$

Sequence: A081268
Score: 6.87858
Type of gen. func.: ogf

$$(9963 f(x) - 65443) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 9 x + 1)$$

Sequence: A081268
Score: 7.11993
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 12, a(2) = 32\}$$

Sequence: A081269
Score: 3.45897
Type of gen. func.: ogf

$$-\frac{x^2 + 5 x + 3}{(x - 1)^3}$$

Sequence: A081269
Score: 6.04350
Type of gen. func.: lgdogf

$$-\frac{x^2 + 12 x + 14}{(x - 1) (x^2 + 5 x + 3)}$$

Sequence: A081270
Score: 12.4141
Type of gen. func.: lgdogf

$$-\frac{-x^2 + 12 x + 16}{-x^3 + 8 x^2 - 4 x - 3}$$

Sequence: A081270
Score: 13.4316
Type of gen. func.: ogf

$$\frac{x^2 - 7 x - 3}{(x - 1)^3}$$

Sequence: A081270
Score: 24.3641
Type of gen. func.: lgdogf

$$-\frac{x^2 - 12 x - 16}{(x - 1) (x^2 - 7 x - 3)}$$

Sequence: A081270
Score: 6.82774
Type of gen. func.: ogf

$$(23571 f(x) - 167953) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 7 x + 3)$$

Sequence: A081270
Score: 7.18710
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3, a(1) = 16, a(2) = 38\}$$

Sequence: A081271
Score: 12.1716
Type of gen. func.: lgdogf

$$-\frac{-2 x^2 + 16 x + 13}{-2 x^3 + 12 x^2 - 9 x - 1}$$

Sequence: A081271
Score: 13.1532
Type of gen. func.: ogf

$$\frac{2 x^2 - 10 x - 1}{(x - 1)^3}$$

Sequence: A081271
Score: 21.0575
Type of gen. func.: lgdogf

$$-\frac{2 x^2 - 16 x - 13}{(x - 1) (2 x^2 - 10 x - 1)}$$

Sequence: A081271
Score: 7.03018
Type of gen. func.: ogf

$$(121 f(x) - 961) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 2 x^2 - f(x) + 10 x + 1)$$

Sequence: A081271
Score: 7.15351
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 13, a(2) = 34\}$$

Sequence: A081272
Score: 11.8630
Type of gen. func.: lgdogf

$$-\frac{13x^2+70x+25}{13x^3+9x^2-21x-1}$$

Sequence: A081272
Score: 12.9929
Type of gen. func.: ogf

$$-\frac{13x^2+22x+1}{(x-1)^3}$$

Sequence: A081272
Score: 21.7189
Type of gen. func.: lgdogf

$$-\frac{(x+5)(13x+5)}{(x-1)(13x^2+22x+1)}$$

Sequence: A081272
Score: 6.93686
Type of gen. func.: ogf

$$-(2 f(x) - 27) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 13 x^2 - f(x) + 22 x + 1)$$

Sequence: A081272
Score: 7.18026
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 25, a(2) = 85\}$$

Sequence: A081273
Score: 3.41159
Type of gen. func.: ogf

$$x^2 + 7x + 1$$

$$- \frac{\qquad}{(x-1)^3}$$

Sequence: A081273
Score: 5.95591
Type of gen. func.: lgdogf

$$- \frac{x^2 + 16 x + 10}{(x-1) (x^2 + 7 x + 1)}$$

Sequence: A081274
Score: 3.36420
Type of gen. func.: ogf

$$- \frac{(2 x + 1)^2}{(x-1)^3}$$

Sequence: A081274
Score: 8.41977
Type of gen. func.: lgdogf

$$- \frac{2 x + 7}{(2 x + 1) (x - 1)}$$

Sequence: A081275
Score: 11.2294
Type of gen. func.: lgdogf

$$- \frac{7 x^2 + 70 x + 31}{7 x^3 + 21 x^2 - 27 x - 1}$$

Sequence: A081275
Score: 12.3161
Type of gen. func.: ogf

$$-\frac{7x^2+28x+1}{(x-1)^3}$$

Sequence: A081275
Score: 20.2390
Type of gen. func.: lgdogf

$$-\frac{7x^2+70x+31}{(x-1)(7x^2+28x+1)}$$

Sequence: A081275
Score: 6.63998
Type of gen. func.: ogf

$$(43 f(x) - 703) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 7 x^2 - f(x) + 28 x + 1)$$

Sequence: A081275
Score: 6.69823
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 31, a(2) = 97\}$$

Sequence: A081276
Score: 5.64550
Type of gen. func.: ogf

$$\frac{x^2 (x^8 - 2 x^7 + 4 x^6 - 2 x^5 + 3 x^4 - x^3 + 2 x^2 + 1)}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^4}$$

Sequence: A081278
Score: 10.1395
Type of gen. func.: ogf

$$-\frac{(2 x - 1) (x - 1)}{{}^{3}}$$

$$(3 x - 1)$$

Sequence: A081278
Score: 16.4757
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^2 - 7 x + 3)}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A081278
Score: 5.27925
Type of gen. func.: ogf

$$(10476 f(x) - 22631)$$

$$(27 f(x) x^3 - 27 f(x) x^2 + 9 f(x) x + 2 x^2 - f(x) - 3 x + 1)$$

Sequence: A081278
Score: 5.55468
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 27 a(n + 1) - 27 a(n), a(0) = 1, a(1) = 6, a(2) = 29\}$$

Sequence: A081278
Score: 9.67861
Type of gen. func.: lgdogf

$$-\frac{6 x^2 - 14 x + 6}{6 x^3 - 11 x^2 + 6 x - 1}$$

Sequence: A081279
Score: 15.7578
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^2 - 9 x + 4)}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A081279
Score: 4.15297
Type of gen. func.: ogf

$$(73818 f(x) + 203359) (81 f(x) x^4 - 108 f(x) x^3 + 54 f(x) x^2 + 2 x^3 - 12 f(x) x - 5 x^2 + f(x) + 4 x - 1)$$

Sequence: A081279
Score: 7.64754
Type of gen. func.: ogf

$$- \frac{(2 x - 1) (x - 1)^2}{(3 x - 1)^4}$$

Sequence: A081279
Score: 9.50148
Type of gen. func.: lgdogf

$$- \frac{6 x^2 - 18 x + 8}{6 x^3 - 11 x^2 + 6 x - 1}$$

Sequence: A081280
Score: 16.1478
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^2 - 11 x + 5)}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A081280
Score: 3.22771
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (28 + 6 n) a(n + 3) + (-44 - 11 n) a(n + 2) + (12 + 6 n) a(n + 1), a(0) = 1, a(1) = 10, a(2) = 69, a(3) = 398\}$$

Sequence: A081280
Score: 6.51934
Type of gen. func.: ogf

$$-\frac{(2x-1)(x-1)^3}{(3x-1)^5}$$

Sequence: A081280
Score: 9.82766
Type of gen. func.: lgdogf

$$-\frac{6x^2-22x+10}{6x^3-11x^2+6x-1}$$

Sequence: A081282
Score: 11.3665
Type of gen. func.: lgdogf

$$-\frac{4x^2+2x+6}{x^3-x^2+x-1}$$

Sequence: A081282
Score: 24.8874
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^3+x+6]$$

Sequence: A081282
Score: 25.5966
Type of gen. func.: lgdogf

$$-\frac{2(2x^2+x+3)}{(x-1)(x^2+1)}$$

Sequence: A081282
Score: 3.71151
Type of gen. func.: ogf

{(n + 3) a(n + 4) + (-8 - n) a(n + 3) + (-1 + n) a(n + 2) + (-n - 4) a(n + 1),

a(0) = 0, a(1) = 1, a(2) = 6, a(3) = 22}

Sequence: A081282
Score: 8.66018
Type of gen. func.: ogf

$$\frac{x\,(x^2+1)}{(x-1)^6}$$

Sequence: A081283
Score: 11.4435
Type of gen. func.: lgdogf

$$-\frac{-6\,x^3+5\,x^2-8\,x-1}{-x^4+x^3-x+1}$$

Sequence: A081283
Score: 19.3424
Type of gen. func.: lgdogf

$$-\frac{6\,x^3-5\,x^2+8\,x+1}{(x-1)\,(x+1)\,(x^2-x+1)}$$

Sequence: A081283
Score: 24.8282
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5+x^2+4\,x+1$$

Sequence: A081283
Score: 8.49414
Type of gen. func.: ogf

$$-\frac{x\,(x^2 - x + 1)}{(x + 1)^3\,(x - 1)^5}$$

Sequence: A081284
Score: 10.5623
Type of gen. func.: lgdogf

$$-\frac{-8\,x^3 + 7\,x^2 - 10\,x - 1}{-x^4 + x^3 - x + 1}$$

Sequence: A081284
Score: 17.6689
Type of gen. func.: lgdogf

$$-\frac{8\,x^3 - 7\,x^2 + 10\,x + 1}{(x - 1)\,(x + 1)\,(x^2 - x + 1)}$$

Sequence: A081284
Score: 23.2188
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^2 + 5\,x + 1$$

Sequence: A081284
Score: 6.26867
Type of gen. func.: ogf

$$\frac{x\,(x^2 - x + 1)}{(x + 1)^4\,(x - 1)^6}$$

Sequence: A081293
Score: 5.31721
Type of gen. func.: ogf

$$x^3 f(x)^2 - 2 f(x)^2 x^2 + f(x)^2 x - f(x) x^2 + 3 f(x) x + x^2 - 2 f(x) - 4 x + 4$$

Sequence: A081294
Score: 13.9834
Type of gen. func.: ogf

$$-4 f(x) x + f(x) + 2 x - 1$$

Sequence: A081294
Score: 17.0069
Type of gen. func.: ogf

$$\frac{2 x - 1}{-1 + 4 x}$$

Sequence: A081294
Score: 17.4793
Type of gen. func.: lgdogf

$$- \frac{2}{-8 x^2 + 6 x - 1}$$

Sequence: A081294
Score: 23.7131
Type of gen. func.: revogf

$$1/4 + x - \frac{(16 x^2 + 1)^{1/2}}{4}$$

Sequence: A081294
Score: 32.4496

Type of gen. func.: lgdogf

$$\frac{2}{(-1 + 4 x) (2 x - 1)}$$

Sequence: A081294
Score: 8.73964
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 2\}$$

Sequence: A081311
Score: 14.3913
Type of gen. func.: ogf

$$- \frac{x^{34} - x^{33} + 2 x - 3}{(x - 1)^{2}}$$

Sequence: A081311
Score: 16.1736
Type of gen. func.: lgdogf

$$\frac{32 x^{34} - 65 x^{33} + 33 x^{32} - 2 x + 4}{(x - 1) (x^{34} - x^{33} + 2 x - 3)}$$

Sequence: A081311
Score: 8.63480
Type of gen. func.: lgdogf

$$- \frac{-32 x^{34} + 65 x^{33} - 33 x^{32} + 2 x - 4}{x^{35} - 2 x^{34} + x^{33} + 2 x^{2} - 5 x + 3}$$

Sequence: A081335
Score: 12.7737
Type of gen. func.: ogf

$$-\frac{-1 + 4 x}{(6 x - 1) (2 x - 1)}$$

Sequence: A081335
Score: 13.7003
Type of gen. func.: lgdogf

$$-\frac{4 (12 x^2 - 6 x + 1)}{(6 x - 1) (2 x - 1) (-1 + 4 x)}$$

Sequence: A081335
Score: 6.45706
Type of gen. func.: ogf

$$-(13 f(x) + 3) (12 f(x) x^2 - 8 f(x) x + f(x) + 4 x - 1)$$

Sequence: A081335
Score: 7.07942
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 12 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A081335
Score: 8.51583
Type of gen. func.: lgdogf

$$-\frac{-48 x^2 + 24 x - 4}{-48 x^3 + 44 x^2 - 12 x + 1}$$

Sequence: A081336
Score: 13.3441
Type of gen. func.: ogf

$$-\frac{5 x - 1}{(7 x - 1) (3 x - 1)}$$

Sequence: A081336
Score: 14.6427
Type of gen. func.: lgdogf

$$-\frac{105 x^2 - 42 x + 5}{(3 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A081336
Score: 6.81708
Type of gen. func.: ogf

$$-(8 f(x) + 17) (21 f(x) x^2 - 10 f(x) x + f(x) + 5 x - 1)$$

Sequence: A081336
Score: 7.46632
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 21 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A081336
Score: 8.83339
Type of gen. func.: lgdogf

$$-\frac{-105 x^2 + 42 x - 5}{-105 x^3 + 71 x^2 - 15 x + 1}$$

Sequence: A081337
Score: 12.7478
Type of gen. func.: ogf

$$-\frac{6 x - 1}{(8 x - 1) (-1 + 4 x)}$$

Sequence: A081337
Score: 13.9801
Type of gen. func.: lgdogf

$$-\frac{2\,(96\,x^2 - 32\,x + 3)}{(6\,x - 1)\,(8\,x - 1)\,(-1 + 4\,x)}$$

Sequence: A081337
Score: 6.44244
Type of gen. func.: ogf

$$-(28\,f(x) + 53)\,(32\,f(x)\,x^2 - 12\,f(x)\,x + f(x) + 6\,x - 1)$$

Sequence: A081337
Score: 7.13269
Type of gen. func.: ogf

$$\{a(n + 2) - 12\,a(n + 1) + 32\,a(n),\ a(0) = 1,\ a(1) = 6\}$$

Sequence: A081337
Score: 8.32147
Type of gen. func.: lgdogf

$$-\frac{-192\,x^2 + 64\,x - 6}{-192\,x^3 + 104\,x^2 - 18\,x + 1}$$

Sequence: A081338
Score: 13.3852
Type of gen. func.: ogf

$$-\frac{7\,x - 1}{(9\,x - 1)\,(5\,x - 1)}$$

Sequence: A081338
Score: 15.0517
Type of gen. func.: lgdogf

$$-\frac{315\,x^2 - 90\,x + 7}{(9\,x - 1)\,(7\,x - 1)\,(5\,x - 1)}$$

Sequence: A081338
Score: 6.83808
Type of gen. func.: ogf

$$-(8 f(x) + 41) (45 f(x) x^2 - 14 f(x) x + f(x) + 7 x - 1)$$

Sequence: A081338
Score: 7.48932
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1) + 45 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A081338
Score: 8.73754
Type of gen. func.: lgdogf

$$-\frac{-315 x^2 + 90 x - 7}{-315 x^3 + 143 x^2 - 21 x + 1}$$

Sequence: A081340
Score: 13.1198
Type of gen. func.: ogf

$$\frac{2 x - 1}{(x + 1) (5 x - 1)}$$

Sequence: A081340
Score: 14.4506
Type of gen. func.: lgdogf

$$-\frac{2 (5 x^2 - 5 x - 1)}{(2 x - 1) (5 x - 1) (x + 1)}$$

Sequence: A081340

Score: 6.63359
Type of gen. func.: ogf

$$-(9 f(x) - 7) (5 f(x) x^2 + 4 f(x) x - f(x) - 2 x + 1)$$

Sequence: A081340
Score: 7.19987
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 5 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A081340
Score: 8.81178
Type of gen. func.: lgdogf

$$-\frac{10 x^2 - 10 x - 2}{10 x^3 + 3 x^2 - 6 x + 1}$$

Sequence: A081341
Score: 15.9562
Type of gen. func.: ogf

$$-6 f(x) x + f(x) + 3 x - 1$$

Sequence: A081341
Score: 19.4061
Type of gen. func.: ogf

$$\frac{3 x - 1}{6 x - 1}$$

Sequence: A081341
Score: 19.4061
Type of gen. func.: lgdogf

$$-\frac{3}{-18 x^2 + 9 x - 1}$$

Sequence: A081341
Score: 27.1340
Type of gen. func.: revogf

$$1/6 + x - \frac{(36 x^2 + 1)^{1/2}}{6}$$

Sequence: A081341
Score: 41.4991
Type of gen. func.: lgdogf

$$\frac{3}{(6 x - 1) (3 x - 1)}$$

Sequence: A081341
Score: 9.97260
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 3\}$$

Sequence: A081342
Score: 10.7067
Type of gen. func.: lgdogf

$$- \frac{-80 x^2 + 32 x - 5}{-80 x^3 + 66 x^2 - 15 x + 1}$$

Sequence: A081342
Score: 15.7183
Type of gen. func.: ogf

$$- \frac{5 x - 1}{(8 x - 1) (2 x - 1)}$$

Sequence: A081342

Score: 18.1599
Type of gen. func.: lgdogf

$$-\frac{80 x^2 - 32 x + 5}{(2 x - 1) (8 x - 1) (5 x - 1)}$$

Sequence: A081342
Score: 7.77641
Type of gen. func.: ogf

$$-(756 f(x) - 131) (16 f(x) x^2 - 10 f(x) x + f(x) + 5 x - 1)$$

Sequence: A081342
Score: 8.79475
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 16 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A081343
Score: 12.1536
Type of gen. func.: ogf

$$-\frac{7 x - 1}{(10 x - 1) (-1 + 4 x)}$$

Sequence: A081343
Score: 13.0103
Type of gen. func.: lgdogf

$$-\frac{280 x^2 - 80 x + 7}{(-1 + 4 x) (7 x - 1) (10 x - 1)}$$

Sequence: A081343
Score: 13.9861
Type of gen. func.: revogf

$$-\frac{-1 - 14 x + (36 x^2 + 1)^{1/2}}{}$$

$$2 (40 x + 7)$$

Sequence: A081343
Score: 6.14216
Type of gen. func.: ogf

$$-(18 f(x) + 31) (40 f(x) x^2 - 14 f(x) x + f(x) + 7 x - 1)$$

Sequence: A081343
Score: 6.80025
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1) + 40 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A081343
Score: 7.93362
Type of gen. func.: lgdogf

$$- \frac{-280 x^2 + 80 x - 7}{-280 x^3 + 138 x^2 - 21 x + 1}$$

Sequence: A081345
Score: 14.1382
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^4 + x^3 + 13 x^2 + 3 x + 2)}{(x - 1) (x + 1) (5 x^3 - x^2 + 3 x + 1)}$$

Sequence: A081345
Score: 8.38290
Type of gen. func.: lgdogf

$$- \frac{-10 x^4 - 2 x^3 - 26 x^2 - 6 x - 4}{-5 x^5 + x^4 + 2 x^3 - 2 x^2 + 3 x + 1}$$

Sequence: A081345
Score: 9.66499
Type of gen. func.: ogf

$$-\frac{5x^3 - x^2 + 3x + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A081346
Score: 13.4714
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 + 11 x^3 + 3 x^2 + 8 x + 1)}{(x - 1) (x + 1) (2 x^4 - x^3 + 5 x^2 + x + 1)}$$

Sequence: A081346
Score: 7.90075
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 22 x^3 + 6 x^2 + 16 x + 2}{2 x^6 - x^5 + 3 x^4 + 2 x^3 - 4 x^2 - x - 1}$$

Sequence: A081346
Score: 9.00516
Type of gen. func.: ogf

$$-\frac{2 x^4 - x^3 + 5 x^2 + x + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A081347
Score: 14.2788
Type of gen. func.: lgdogf

$$-\frac{2 (7 x^4 + 2 x^3 + 12 x^2 + 2 x + 1)}{}$$

$$(x - 1) (x + 1) (7 x^3 - x^2 + x + 1)$$

Sequence: A081347
Score: 8.46547
Type of gen. func.: lgdogf

$$- \frac{-14 x^4 - 4 x^3 - 24 x^2 - 4 x - 2}{-7 x^5 + x^4 + 6 x^3 - 2 x^2 + x + 1}$$

Sequence: A081347
Score: 9.76019
Type of gen. func.: ogf

$$- \frac{7 x^3 - x^2 + x + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A081348
Score: 15.2052
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^4 + 14 x^2 + 4 x + 3)}{(x - 1) (x + 1) (3 x^3 - x^2 + 5 x + 1)}$$

Sequence: A081348
Score: 9.23061
Type of gen. func.: lgdogf

$$- \frac{-6 x^4 - 28 x^2 - 8 x - 6}{-3 x^5 + x^4 - 2 x^3 - 2 x^2 + 5 x + 1}$$

Sequence: A081348
Score: 9.66499
Type of gen. func.: ogf

$$-\frac{3 x^3 - x^2 + 5 x + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A081350
Score: 11.1492
Type of gen. func.: lgdogf

$$\frac{2 (x^7 - x^6 - x^5 + 4 x^4 + 18 x^3 + 2 x + 1)}{(x - 1) (x + 1) (2 x^6 - 10 x^4 + x^3 + x^2 - x - 1)}$$

Sequence: A081350
Score: 8.13349
Type of gen. func.: ogf

$$\frac{2 x^6 - 10 x^4 + x^3 + x^2 - x - 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A081351
Score: 15.2052
Type of gen. func.: lgdogf

$$-\frac{2 (x^4 - x^3 + 15 x^2 + 5 x + 4)}{(x - 1) (x + 1) (x^3 - x^2 + 7 x + 1)}$$

Sequence: A081351
Score: 8.38290
Type of gen. func.: lgdogf

$$-\frac{-2 x^4 + 2 x^3 - 30 x^2 - 10 x - 8}{-x^5 + x^4 - 6 x^3 - 2 x^2 + 7 x + 1}$$

Sequence: A081351
Score: 9.66499
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 + 7 x + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A081352
Score: 11.9628
Type of gen. func.: ogf

$$-\frac{x^3 - 3 x^2 + 5 x + 1}{(x + 1) (x - 1)^3}$$

Sequence: A081352
Score: 14.7234
Type of gen. func.: lgdogf

$$-\frac{x^4 - 4 x^3 + 12 x^2 + 8 x + 7}{(x - 1) (x + 1) (x^3 - 3 x^2 + 5 x + 1)}$$

Sequence: A081352
Score: 6.60349
Type of gen. func.: ogf

$$(2012 f(x) - 8033)$$

$$(f(x) x^4 - 2 f(x) x^3 + x^3 + 2 f(x) x - 3 x^2 - f(x) + 5 x + 1)$$

Sequence: A081352
Score: 8.50965
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 4 x^3 - 12 x^2 - 8 x - 7}{-x^5 + 3 x^4 - 4 x^3 - 4 x^2 + 5 x + 1}$$

Sequence: A081353
Score: 11.3073
Type of gen. func.: lgdogf

$$-\frac{x^4 - 4x^3 - 16x - 5}{x^5 - 3x^4 - x + 3}$$

Sequence: A081353
Score: 11.9628
Type of gen. func.: ogf

$$\frac{(x-3)(x^2+1)}{(x+1)(x-1)^3}$$

Sequence: A081353
Score: 17.6041
Type of gen. func.: lgdogf

$$-\frac{x^4 - 4x^3 - 16x - 5}{(x-1)(x-3)(x+1)(x^2+1)}$$

Sequence: A081353
Score: 6.39874
Type of gen. func.: ogf

$$-(2012 f(x) - 9749) (f(x) x^4 - 2 f(x) x^3 - x^3 + 2 f(x) x + 3 x^2 - f(x) - x + 3)$$

Sequence: A081358
Score: 3.65552
Type of gen. func.: ogf

$$\{(-n^3 - 7 n^2 - 16 n - 12) a(n + 1) + (n^2 + 5 n + 6) a(n + 2) + (n + 4) a(n + 3)$$

$$- a(n + 4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 8\}$$

Sequence: A081360
Score: 17.1743
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^2 - x + 1}{-x^4 + 1}$$

Sequence: A081362
Score: 35.0584
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{1}{x^2 - 1}$$

Sequence: A081367
Score: 12.7899
Type of gen. func.: lgdegf]

$$-\frac{-3 + 4 x}{-2 x + 1}$$

Sequence: A081367
Score: 26.3176
Type of gen. func.: lgdegf]

$$-3 + 4 x + (-2 x + 1) f(x)$$

Sequence: A081367
Score: 3.78959
Type of gen. func.: ogf

$\{(-4 n - 8) a(n + 1) + (2 n + 7) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 3,$

$a(2) = 11\}$

Sequence: A081374
Score: 11.8269

Type of gen. func.: ogf

$$-\frac{2 x^{3} - 2 x^{2} + 1}{(x^{2} - x + 1) (x + 1) (2 x - 1)}$$

Sequence: A081374
Score: 6.40622
Type of gen. func.: ogf

$$(1431 f(x) - 646) (2 f(x) x^{4} - f(x) x^{3} + 2 x^{3} + 2 f(x) x - 2 x^{2} - f(x) + 1)$$

Sequence: A081374
Score: 8.63267
Type of gen. func.: lgdogf

$$-\frac{4 x^{6} - 8 x^{5} + 2 x^{4} + 7 x^{2} - 4 x + 2}{(2 x - 1) (x + 1) (x^{2} - x + 1) (2 x^{3} - 2 x^{2} + 1)}$$

Sequence: A081406
Score: 4.66549
Type of gen. func.: egf]

$$\{(-n - 4) a(n) + (n^{3} + 6 n^{2} + 11 n + 6) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 1/2, a(3) = 1/6\}$$

Sequence: A081410
Score: 8.67502
Type of gen. func.: lgdogf

$$-\frac{2 x^{8} + 2 x^{6} + 4 x^{5} + 11 x^{4} - 4 x^{3} - 3 x^{2} - 2 x - 1}{(x - 1) (x^{2} + x + 1) (x^{2} + x - 1) (2 x^{4} + 1)}$$

Sequence: A081410
Score: 9.94240

Type of gen. func.: ogf

$$\frac{2 x^4 + 1}{(x - 1) (x^2 + x + 1) (x^2 + x - 1)}$$

Sequence: A081421
Score: 10.8074
Type of gen. func.: ogf

$$- \frac{17 x - 1}{(25 x - 1) (9 x - 1)}$$

Sequence: A081421
Score: 11.2712
Type of gen. func.: lgdogf

$$- \frac{3825 x^2 - 450 x + 17}{(17 x - 1) (25 x - 1) (9 x - 1)}$$

Sequence: A081421
Score: 5.45943
Type of gen. func.: ogf

$$-(128 f(x) + 161) (225 f(x) x^2 - 34 f(x) x + f(x) + 17 x - 1)$$

Sequence: A081421
Score: 6.15773
Type of gen. func.: ogf

$$\{a(n + 2) - 34 a(n + 1) + 225 a(n), a(0) = 1, a(1) = 17\}$$

Sequence: A081421
Score: 6.96796
Type of gen. func.: lgdogf

$$-3825 x^2 + 450 x - 17$$
$$- \text{----------------------------}$$

$$-3825 x^3 + 803 x^2 - 51 x + 1$$

Sequence: A081423
Score: 10.9063
Type of gen. func.: ogf

$$\frac{6 x^2 - x + 1}{(x - 1)^4}$$

Sequence: A081423
Score: 11.5774
Type of gen. func.: lgdogf

$$-\frac{-12 x^2 - 9 x - 3}{-6 x^3 + 7 x^2 - 2 x + 1}$$

Sequence: A081423
Score: 21.6993
Type of gen. func.: lgdogf

$$-\frac{3 (4 x^2 + 3 x + 1)}{(x - 1) (6 x^2 - x + 1)}$$

Sequence: A081423
Score: 3.78157
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-9 - 2 n) a(n + 3) + (5 + 7 n) a(n + 2)$$

$$+ (-18 - 6 n) a(n + 1), a(0) = 1, a(1) = 3, a(2) = 12, a(3) = 34\}$$

Sequence: A081423
Score: 5.3371
Type of gen. func.: ogf

$$(1035072 f(x) + 2286229)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 6 x^2 + f(x) + x - 1)$$

Sequence: A081435
Score: 10.9063
Type of gen. func.: ogf

$$\frac{4 x^2 + x + 1}{(x - 1)^4}$$

Sequence: A081435
Score: 12.3366
Type of gen. func.: lgdogf

$$-\frac{-8 x^2 - 11 x - 5}{-4 x^3 + 3 x^2 + 1}$$

Sequence: A081435
Score: 22.3568
Type of gen. func.: lgdogf

$$-\frac{8 x^2 + 11 x + 5}{(x - 1) (4 x^2 + x + 1)}$$

Sequence: A081435
Score: 4.11220
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) - 5 a(n + 3) + (-5 + 3 n) a(n + 2) + (-12 - 4 n) a(n + 1),$$

$$a(0) = 1, a(1) = 5, a(2) = 18, a(3) = 46\}$$

Sequence: A081435
Score: 5.57431
Type of gen. func.: ogf

$(3648 f(x) + 8035)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 4 x^2 + f(x) - x - 1)$$

Sequence: A081436
Score: 11.0132
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x + 1)}{(x - 1)^4}$$

Sequence: A081436
Score: 11.6909
Type of gen. func.: lgdogf

$$- \frac{4 x^2 + 13 x + 7}{2 x^3 + x^2 - 2 x - 1}$$

Sequence: A081436
Score: 21.2901
Type of gen. func.: lgdogf

$$- \frac{4 x^2 + 13 x + 7}{(x - 1) (2 x + 1) (x + 1)}$$

Sequence: A081436
Score: 3.81864
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-1 + 2 n) a(n + 3) + (-15 - n) a(n + 2)$$

$$+ (-6 - 2 n) a(n + 1), a(0) = 1, a(1) = 7, a(2) = 24, a(3) = 58\}$$

Sequence: A081436
Score: 5.38943
Type of gen. func.: ogf

$(2106432 f(x) + 5465249)$

$$(f(x)\, x^4 - 4\, f(x)\, x^3 + 6\, f(x)\, x^2 - 4\, f(x)\, x - 2\, x^2 + f(x) - 3\, x - 1)$$

Sequence: A081437
Score: 11.1201
Type of gen. func.: ogf

$$-\frac{x^2 - 6\, x - 1}{(x - 1)^4}$$

Sequence: A081437
Score: 11.6256
Type of gen. func.: lgdogf

$$-\frac{-2\, x^2 + 16\, x + 10}{-x^3 + 7\, x^2 - 5\, x - 1}$$

Sequence: A081437
Score: 22.8040
Type of gen. func.: lgdogf

$$-\frac{2\, (x^2 - 8\, x - 5)}{(x - 1)\, (x^2 - 6\, x - 1)}$$

Sequence: A081437
Score: 3.83644
Type of gen. func.: ogf

$$\{(-n - 4)\, a(n + 4) + (-5 - 5\, n)\, a(n + 3) + (30 + 7\, n)\, a(n + 2) + (-n - 3)\, a(n + 1),\ a(0) = 1,\ a(1) = 10,\ a(2) = 33,\ a(3) = 76\}$$

Sequence: A081437
Score: 5.56005
Type of gen. func.: ogf

(21816 f(x) + 112895)

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + x^2 + f(x) - 6 x - 1)$$

Sequence: A081438
Score: 11.1201
Type of gen. func.: ogf

$$-\frac{2 x^2 - 7 x - 1}{(x - 1)^4}$$

Sequence: A081438
Score: 11.6256
Type of gen. func.: lgdogf

$$-\frac{-4 x^2 + 17 x + 11}{-2 x^3 + 9 x^2 - 6 x - 1}$$

Sequence: A081438
Score: 20.3387
Type of gen. func.: lgdogf

$$-\frac{4 x^2 - 17 x - 11}{(x - 1) (2 x^2 - 7 x - 1)}$$

Sequence: A081438
Score: 3.83644
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (-7 - 6 n) a(n + 3) + (35 + 9 n) a(n + 2)$$

$$+ (-6 - 2 n) a(n + 1), a(0) = 1, a(1) = 11, a(2) = 36, a(3) = 82\}$$

Sequence: A081438
Score: 5.56005
Type of gen. func.: ogf

$(50496 f(x) + 356413)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + 2 x^2 + f(x) - 7 x - 1)$$

Sequence: A081441
Score: 11.1945
Type of gen. func.: ogf

$$\frac{8 x^2 - 3 x + 1}{(x - 1)^4}$$

Sequence: A081441
Score: 11.7034
Type of gen. func.: lgdogf

$$- \frac{-16 x^2 - 7 x - 1}{-8 x^3 + 11 x^2 - 4 x + 1}$$

Sequence: A081441
Score: 21.6448
Type of gen. func.: lgdogf

$$- \frac{16 x^2 + 7 x + 1}{(x - 1) (8 x^2 - 3 x + 1)}$$

Sequence: A081441
Score: 3.84290
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-13 - 4 n) a(n + 3) + (15 + 11 n) a(n + 2)$$

$$+ (-24 - 8 n) a(n + 1), a(0) = 1, a(1) = 1, a(2) = 6, a(3) = 22\}$$

Sequence: A081441
Score: 5.557
Type of gen. func.: ogf

$$(105408 f(x) + 251189)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 8 x^2 + f(x) + 3 x - 1)$$

Sequence: A081489
Score: 11.2291
Type of gen. func.: ogf

$$\frac{2 x^2 - x + 1}{(x - 1)^4}$$

Sequence: A081489
Score: 12.1064
Type of gen. func.: lgdogf

$$- \frac{-4 x^2 - x - 3}{-2 x^3 + 3 x^2 - 2 x + 1}$$

Sequence: A081489
Score: 25.3254
Type of gen. func.: lgdogf

$$- \frac{4 x^2 + x + 3}{(x - 1) (2 x^2 - x + 1)}$$

Sequence: A081489
Score: 3.93303
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-9 - 2 n) a(n + 3) + (5 + 3 n) a(n + 2)$$

$$+ (-6 - 2 n) a(n + 1), a(0) = 1, a(1) = 3, a(2) = 8, a(3) = 18\}$$

Sequence: A081489
Score: 5.73931

Type of gen. func.: ogf

$$(1792 f(x) + 1093)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 2 x^2 + f(x) + x - 1)$$

Sequence: A081490
Score: 10.2222
Type of gen. func.: ogf

$$\frac{x^3 + 2 x^2 - 2 x + 1}{(x - 1)^4}$$

Sequence: A081490
Score: 18.3804
Type of gen. func.: lgdogf

$$- \frac{x^3 + 7 x^2 - 2 x + 2}{(x - 1) (x^3 + 2 x^2 - 2 x + 1)}$$

Sequence: A081490
Score: 5.58235
Type of gen. func.: ogf

$$(416 f(x) + 235)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 2 x^2 + f(x) + 2 x - 1)$$

Sequence: A081490
Score: 9.83890
Type of gen. func.: lgdogf

$$- \frac{x^3 + 7 x^2 - 2 x + 2}{x^4 + x^3 - 4 x^2 + 3 x - 1}$$

Sequence: A081492
Score: 16.6102
Type of gen. func.: lgdogf

$$-\frac{8 x^3 + 21 x^2 + 6 x + 5}{(x - 1) (x + 1) (4 x^2 - x + 1)}$$

Sequence: A081492
Score: 9.17957
Type of gen. func.: ogf

$$-\frac{(x + 1) (4 x^2 - x + 1)}{(x - 1)^5}$$

Sequence: A081492
Score: 9.40622
Type of gen. func.: lgdogf

$$-\frac{8 x^3 + 21 x^2 + 6 x + 5}{4 x^4 - x^3 - 3 x^2 + x - 1}$$

Sequence: A081494
Score: 11.5335
Type of gen. func.: ogf

$$\frac{2 x^3 + x - 1}{(2 x - 1) (x - 1)^2}$$

Sequence: A081494
Score: 14.6741
Type of gen. func.: lgdogf

$$-\frac{10 x^3 - 2 x^2 - 7 x + 3}{(x - 1) (2 x - 1) (2 x^3 + x - 1)}$$

Sequence: A081494
Score: 5.28981
Type of gen. func.: ogf

$$\{a(n+4) - 4\,a(n+3) + 5\,a(n+2) - 2\,a(n+1),\ a(0) = 1,\ a(1) = 3,\ a(2) = 7,\ a(3) = 13\}$$

Sequence: A081494
Score: 6.0132
Type of gen. func.: ogf

$$-(4\,f(x) + 141)\,(2\,f(x)\,x^3 - 5\,f(x)\,x^2 - 2\,x^3 + 4\,f(x)\,x - f(x) - x + 1)$$

Sequence: A081494
Score: 7.90500
Type of gen. func.: lgdogf

$$-\frac{10\,x^3 - 2\,x^2 - 7\,x + 3}{4\,x^5 - 6\,x^4 + 4\,x^3 - 5\,x^2 + 4\,x - 1}$$

Sequence: A081496
Score: 14.5484
Type of gen. func.: revogf

$$-10 - 8\,x - 2\,x^2 + ((4\,x^2 + 16\,x + 25)\,(x + 2)^2)^{1/2}$$

Sequence: A081496
Score: 3.60751
Type of gen. func.: ogf

$$\{(-8\,n^2 - 28\,n - 24)\,a(n+1) + (22\,n^2 + 138\,n + 216)\,a(n+2) + (-5\,n^2 - 35\,n - 60)\,a(n+3),\ a(0) = 5,\ a(1) = 14,\ a(2) = 46\}$$

Sequence: A081496
Score: 8.04086
Type of gen. func.: ogf

$$4 f(x)^{2} x^{2} - f(x)^{2} x + 16 f(x) x - 4 f(x) + x + 20$$

Sequence: A081496
Score: 8.34238
Type of gen. func.: revogf

$$-2 x^{2} - 8 x - 10 + (4 x^{4} + 32 x^{3} + 105 x^{2} + 164 x + 100)^{1/2}$$

Sequence: A081497
Score: 3.33355
Type of gen. func.: ogf

$$-4 f(x)^{2} x + f(x)^{2} - x^{2} - 2 x - 1$$

Sequence: A081497
Score: 8.15709
Type of gen. func.: lgdogf

$$\frac{-3 + 2 x}{(x + 1) (-1 + 4 x)}$$

Sequence: A081498
Score: 11.8941
Type of gen. func.: ogf

$$- \frac{x^{2} + x - 1}{(x - 1)^{4}}$$

Sequence: A081498
Score: 14.6552
Type of gen. func.: lgdogf

$$2 x^{2} + 5 x - 3$$

$$- \frac{}{x^{3} - 2 x + 1}$$

Sequence: A081498
Score: 32.2600
Type of gen. func.: lgdogf

$$- \frac{(x + 3) (2 x - 1)}{(x - 1) (x^{2} + x - 1)}$$

Sequence: A081498
Score: 4.55941
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-9 - 2 n) a(n + 3) + 5 a(n + 2) + (n + 3) a(n + 1),$$

$$a(0) = 1, a(1) = 3, a(2) = 5, a(3) = 6\}$$

Sequence: A081498
Score: 6.31304
Type of gen. func.: ogf

$$(10 f(x) + 1) (f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 4 f(x) x + x^{2} + f(x) + x - 1)$$

Sequence: A081499
Score: 15.7932
Type of gen. func.: lgdogf

$$- \frac{3 x^{5} + 5 x^{4} + 10 x^{3} - 2 x^{2} - 6 x - 2}{(x - 1) (x + 1) (x^{4} + x^{3} + x^{2} - x - 1)}$$

Sequence: A081499
Score: 7.93773
Type of gen. func.: ogf

$$- \frac{x^{4} + x^{3} + x^{2} - x - 1}{{}^{3} \qquad {}^{4}}$$

$$(x + 1)\ (x - 1)$$

Sequence: A081499
Score: 8.24012
Type of gen. func.: lgdogf

$$-\frac{-3 x^5 - 5 x^4 - 10 x^3 + 2 x^2 + 6 x + 2}{-x^6 - x^5 + 2 x^3 + 2 x^2 - x - 1}$$

Sequence: A081502
Score: 7.64654
Type of gen. func.: ogf

$$-\frac{x (6 x^9 - x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 1)}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A081552
Score: 11.5555
Type of gen. func.: lgdogf

$$-\frac{90 x^3 + 110 x^2 - 49 x + 11}{(x - 1) (10 x - 1) (9 x^2 + x - 1)}$$

Sequence: A081552
Score: 4.95414
Type of gen. func.: ogf

$(9841581 f(x) + 4656869)$

$$(10 f(x) x^3 - 21 f(x) x^2 + 12 f(x) x - 9 x^2 - f(x) - x + 1)$$

Sequence: A081552
Score: 5.29001
Type of gen. func.: ogf

$\{a(n + 3) - 12 a(n + 2) + 21 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 11,$

a(2) = 102}

Sequence: A081552
Score: 7.01372
Type of gen. func.: lgdogf

$$-\frac{90 x^3 + 110 x^2 - 49 x + 11}{90 x^4 - 89 x^3 - 12 x^2 + 12 x - 1}$$

Sequence: A081552
Score: 9.75345
Type of gen. func.: ogf

$$\frac{9 x^2 + x - 1}{(10 x - 1) (x - 1)^2}$$

Sequence: A081554
Score: 10.1656
Type of gen. func.: ogf

$$-f(x) x^2 + 6 f(x) x - f(x) + 8 x$$

Sequence: A081554
Score: 12.4952
Type of gen. func.: lgdogf

$$-\frac{2 x - 6}{x^2 - 6 x + 1}$$

Sequence: A081554
Score: 13.1253
Type of gen. func.: revogf

$$-\frac{-4 - 3 x + 2 (x + 1)^{1/2} (x + 2)^{1/2} 2^{1/2}}{}$$

$$x$$

Sequence: A081554
Score: 16.2100
Type of gen. func.: ogf

$$\frac{8 x}{x^2 - 6 x + 1}$$

Sequence: A081554
Score: 29.5318
Type of gen. func.: lgdogf

$$-\frac{2 (x - 3)}{x^2 - 6 x + 1}$$

Sequence: A081554
Score: 7.40457
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + a(n), a(0) = 0, a(1) = 8\}$$

Sequence: A081555
Score: 5.28076
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) - 7 a(n + 1) + a(n), a(0) = 3, a(1) = 7, a(2) = 35\}$$

Sequence: A081555
Score: 6.43747
Type of gen. func.: ogf

$$(46 f(x) + 9) (f(x) x^3 - 7 f(x) x^2 + 7 f(x) x + 7 x^2 - f(x) - 14 x + 3)$$

Sequence: A081555
Score: 9.42819
Type of gen. func.: lgdogf

$$-\frac{7x^4 - 28x^3 + 58x^2 - 28x + 7}{(x-1)(x^2 - 6x + 1)(7x^2 - 14x + 3)}$$

Sequence: A081555
Score: 9.62461
Type of gen. func.: ogf

$$-\frac{7x^2 - 14x + 3}{(x-1)(x^2 - 6x + 1)}$$

Sequence: A081556
Score: 8.49700
Type of gen. func.: lgdogf

$$\frac{2(33x^{27} - 99x^{25} + 99x^{23} - 33x^{21} + x^3 + 3x^2 + 5x + 1)}{(x-1)(x+1)(3x^{26} - 6x^{24} + 3x^{22} + x^4 - 3x^2 - 2x - 1)}$$

Sequence: A081556
Score: 9.60530
Type of gen. func.: ogf

$$-\frac{3x^{26} - 6x^{24} + 3x^{22} + x^4 - 3x^2 - 2x - 1}{(x-1)^2 (x+1)^2}$$

Sequence: A081557
Score: 14.0398
Type of gen. func.: lgdegf]

$$a(n) + (-n^2 - 3n - 2)\,a(n+2),\ a(0) = 1,\ a(1) = 1,\ a(2) = 0$$

Sequence: A081558
Score: 12.5420

Type of gen. func.: lgdegf]

$$a(n) + (-n^2 - 3 n - 2) a(n + 2), a(0) = 2, a(1) = 1, a(2) = 0$$

Sequence: A081560
Score: 12.0538
Type of gen. func.: lgdegf]

$$4 a(n) + (-n^2 - 3 n - 2) a(n + 2), a(0) = 1, a(1) = 4, a(2) = 0$$

Sequence: A081561
Score: 10.9436
Type of gen. func.: lgdegf]

$$4 a(n) + (-n^2 - 3 n - 2) a(n + 2), a(0) = 2, a(1) = 4, a(2) = 0$$

Sequence: A081562
Score: 12.8088
Type of gen. func.: lgdegf]

$$a(n) + (-n^2 - 3 n - 2) a(n + 2), a(0) = 1, a(1) = 2, a(2) = 0$$

Sequence: A081563
Score: 12.4957
Type of gen. func.: lgdegf]

$$a(n) + (-n^2 - 3 n - 2) a(n + 2), a(0) = 2, a(1) = 2, a(2) = 0$$

Sequence: A081565
Score: 12.4299
Type of gen. func.: lgdegf]

$$a(n) + (-n^2 - 3 n - 2) a(n + 2), a(0) = 1, a(1) = 3, a(2) = 0$$

Sequence: A081566

Score: 13.3507
Type of gen. func.: lgdegf]

$$a(n) + (-n^2 - 3 n - 2) a(n + 2), a(0) = 2, a(1) = 3, a(2) = 0$$

Sequence: A081567
Score: 13.5597
Type of gen. func.: ogf

$$-\frac{2 x - 1}{5 x^2 - 5 x + 1}$$

Sequence: A081567
Score: 14.5725
Type of gen. func.: revogf

$$-\frac{-1 - 5 x + (5 x^2 + 2 x + 1)^{1/2}}{2 (2 + 5 x)}$$

Sequence: A081567
Score: 15.3198
Type of gen. func.: lgdogf

$$-\frac{10 x^2 - 10 x + 3}{(2 x - 1) (5 x^2 - 5 x + 1)}$$

Sequence: A081567
Score: 6.85603
Type of gen. func.: ogf

$$-(5 f(x) + 4) (5 f(x) x^2 - 5 f(x) x + f(x) + 2 x - 1)$$

Sequence: A081567
Score: 7.44129
Type of gen. func.: ogf

{a(n + 2) - 5 a(n + 1) + 5 a(n), a(0) = 1, a(1) = 3}

Sequence: A081567
Score: 8.97332
Type of gen. func.: lgdogf

$$-\frac{-10 x^2 + 10 x - 3}{-10 x^3 + 15 x^2 - 7 x + 1}$$

Sequence: A081568
Score: 13.8370
Type of gen. func.: ogf

$$-\frac{3 x - 1}{11 x^2 - 7 x + 1}$$

Sequence: A081568
Score: 14.8563
Type of gen. func.: revogf

$$-\frac{-1 - 7 x + (5 x^2 + 2 x + 1)^{1/2}}{2 (3 + 11 x)}$$

Sequence: A081568
Score: 15.9990
Type of gen. func.: lgdogf

$$-\frac{33 x^2 - 22 x + 4}{(3 x - 1) (11 x^2 - 7 x + 1)}$$

Sequence: A081568
Score: 7.07228
Type of gen. func.: ogf

$$-(3 f(x) + 5) (11 f(x) x^2 - 7 f(x) x + f(x) + 3 x - 1)$$

Sequence: A081568
Score: 7.66872
Type of gen. func.: ogf

$$\{a(n+2) - 7\,a(n+1) + 11\,a(n),\ a(0) = 1,\ a(1) = 4\}$$

Sequence: A081568
Score: 9.22470
Type of gen. func.: lgdogf

$$-\frac{-33\,x^{2} + 22\,x - 4}{-33\,x^{3} + 32\,x^{2} - 10\,x + 1}$$

Sequence: A081569
Score: 12.5752
Type of gen. func.: ogf

$$-\frac{-1 + 4\,x}{19\,x^{2} - 9\,x + 1}$$

Sequence: A081569
Score: 13.4829
Type of gen. func.: revogf

$$-\frac{-1 - 9\,x + (5\,x^{2} + 2\,x + 1)^{1/2}}{2\,(4 + 19\,x)}$$

Sequence: A081569
Score: 14.5200
Type of gen. func.: lgdogf

$$-\frac{76\,x^{2} - 38\,x + 5}{(-1 + 4\,x)\,(19\,x^{2} - 9\,x + 1)}$$

Sequence: A081569
Score: 6.3567
Type of gen. func.: ogf

$$-(7 f(x) + 18) (19 f(x) x^2 - 9 f(x) x + f(x) + 4 x - 1)$$

Sequence: A081569
Score: 6.96939
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) + 19 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A081569
Score: 8.38346
Type of gen. func.: lgdogf

$$-\frac{-76 x^2 + 38 x - 5}{-76 x^3 + 55 x^2 - 13 x + 1}$$

Sequence: A081570
Score: 13.2145
Type of gen. func.: ogf

$$-\frac{5 x - 1}{29 x^2 - 11 x + 1}$$

Sequence: A081570
Score: 14.1606
Type of gen. func.: revogf

$$-\frac{-11 x - 1 + (5 x^2 + 2 x + 1)^{1/2}}{2 (5 + 29 x)}$$

Sequence: A081570
Score: 14.8513

Type of gen. func.: lgdogf

$$-\frac{145 x^2 - 58 x + 6}{(5 x - 1) (29 x^2 - 11 x + 1)}$$

Sequence: A081570
Score: 6.82508
Type of gen. func.: ogf

$$-(2 f(x) + 7) (29 f(x) x^2 - 11 f(x) x + f(x) + 5 x - 1)$$

Sequence: A081570
Score: 7.39383
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 29 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A081570
Score: 8.74763
Type of gen. func.: lgdogf

$$-\frac{-145 x^2 + 58 x - 6}{-145 x^3 + 84 x^2 - 16 x + 1}$$

Sequence: A081571
Score: 12.6203
Type of gen. func.: ogf

$$-\frac{6 x - 1}{41 x^2 - 13 x + 1}$$

Sequence: A081571
Score: 13.5156
Type of gen. func.: revogf

2   1/2

$$-\frac{-1 - 13 x + (5 x \quad + 2 x + 1)}{2 (6 + 41 x)}$$

Sequence: A081571
Score: 14.1749
Type of gen. func.: lgdogf

$$-\frac{246 x^{2} - 82 x + 7}{(6 x - 1) (41 x^{2} - 13 x + 1)}$$

Sequence: A081571
Score: 7.06137
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1) + 41 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A081571
Score: 7.96279
Type of gen. func.: ogf

$$-(9 f(x) + 40) (41 f(x) x^{2} - 13 f(x) x + f(x) + 6 x - 1)$$

Sequence: A081571
Score: 8.23826
Type of gen. func.: lgdogf

$$-\frac{-246 x^{2} + 82 x - 7}{-246 x^{3} + 119 x^{2} - 19 x + 1}$$

Sequence: A081574
Score: 11.1429
Type of gen. func.: lgdogf

$$-\frac{38 x - 9}{19 x^{2} - 9 x + 1}$$

Sequence: A081574
Score: 14.8112
Type of gen. func.: revogf

$$-\frac{-1 - 9 x + (5 x^2 + 18 x + 1)^{1/2}}{38 x}$$

Sequence: A081574
Score: 16.3867
Type of gen. func.: ogf

$$\frac{x}{19 x^2 - 9 x + 1}$$

Sequence: A081574
Score: 21.9205
Type of gen. func.: lgdogf

$$-\frac{38 x - 9}{19 x^2 - 9 x + 1}$$

Sequence: A081574
Score: 6.79448
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) + 19 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A081574
Score: 9.28579
Type of gen. func.: ogf

$$-19 f(x) x^2 + 9 f(x) x - f(x) + x$$

Sequence: A081575
Score: 11.6511

Type of gen. func.: lgdogf

$$-\frac{58 x - 11}{29 x^2 - 11 x + 1}$$

Sequence: A081575
Score: 15.7033
Type of gen. func.: revogf

$$-\frac{-11 x - 1 + (5 x^2 + 22 x + 1)^{1/2}}{58 x}$$

Sequence: A081575
Score: 17.3103
Type of gen. func.: ogf

$$\frac{x}{29 x^2 - 11 x + 1}$$

Sequence: A081575
Score: 22.1010
Type of gen. func.: lgdogf

$$-\frac{58 x - 11}{29 x^2 - 11 x + 1}$$

Sequence: A081575
Score: 7.29951
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 29 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A081575
Score: 9.93213
Type of gen. func.: ogf

2

$$-29 f(x) x + 11 f(x) x - f(x) + x$$

Sequence: A081583
Score: 32.2517
Type of gen. func.: lgdogf

$$-\frac{2 (x + 5)}{(2 x + 1) (x - 1)}$$

Sequence: A081583
Score: 4.76231
Type of gen. func.: ogf

$\{(n + 3) a(n + 3) + (-8 + n) a(n + 2) + (-4 - 2 n) a(n + 1), a(0) = 1,$

$a(1) = 10, a(2) = 46\}$

Sequence: A081583
Score: 5.09768
Type of gen. func.: ogf

$(113 f(x) + 613) ($

$f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 8 x^3 - 4 f(x) x - 12 x^2 + f(x) - 6 x - 1)$

Sequence: A081583
Score: 9.28040
Type of gen. func.: ogf

$$\frac{(2 x + 1)^3}{(x - 1)^4}$$

Sequence: A081584
Score: 30.1369
Type of gen. func.: lgdogf

$$-\frac{13 + 2 x}{(2 x + 1) (x - 1)}$$

Sequence: A081584
Score: 4.62099
Type of gen. func.: ogf

$$\{(n+3)\,a(n+3) + (-11+n)\,a(n+2) + (-4-2n)\,a(n+1),\ a(0)=1,\ a(1)=13,\ a(2)=79\}$$

Sequence: A081584
Score: 7.21440
Type of gen. func.: ogf

$$-\frac{(2x+1)^4}{(x-1)^5}$$

Sequence: A081585
Score: 11.2283
Type of gen. func.: revogf

$$\frac{2\,\mathrm{HeunG}(5/27, \frac{19}{108}, -1/6, 1/6, 1/2, -1, -5x)\,(27x+1)^{1/2} - 2 + x}{9 + x}$$

Sequence: A081585
Score: 12.7634
Type of gen. func.: ogf

$$-\frac{(3x+1)^2}{(x-1)^3}$$

Sequence: A081585
Score: 34.7056
Type of gen. func.: lgdogf

$$-\frac{3(x+3)}{(3x+1)(x-1)}$$

Sequence: A081585
Score: 6.59804
Type of gen. func.: ogf

$$-(20 f(x) - 101) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 9 x^2 - f(x) + 6 x + 1)$$

Sequence: A081585
Score: 6.88998
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 9, a(2) = 33\}$$

Sequence: A081586
Score: 32.5633
Type of gen. func.: lgdogf

$$- \frac{13 + 3 x}{(3 x + 1) (x - 1)}$$

Sequence: A081586
Score: 5.02164
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-9 + 2 n) a(n + 2) + (-6 - 3 n) a(n + 1), a(0) = 1, a(1) = 13, a(2) = 73\}$$

Sequence: A081586
Score: 5.30062
Type of gen. func.: ogf

$$(256 f(x) + 3235) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 27 x^3 - 4 f(x) x - 27 x^2 + f(x) - 9 x - 1)$$

Sequence: A081586
Score: 9.66190
Type of gen. func.: ogf

$$\frac{(3 x + 1)^3}{(x - 1)^4}$$

Sequence: A081587
Score: 12.3386
Type of gen. func.: ogf

$$-\frac{(4 x + 1)^2}{(x - 1)^3}$$

Sequence: A081587
Score: 32.6148
Type of gen. func.: lgdogf

$$-\frac{11 + 4 x}{(4 x + 1) (x - 1)}$$

Sequence: A081587
Score: 6.53843
Type of gen. func.: ogf

$$(625 f(x) - 4881) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 16 x^2 - f(x) + 8 x + 1)$$

Sequence: A081587
Score: 6.71048
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 11, a(2) = 46\}$$

Sequence: A081588
Score: 32.5387
Type of gen. func.: lgdogf

$$-\frac{4 (x + 4)}{(4 x + 1) (x - 1)}$$

Sequence: A081588
Score: 4.73998
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-10 + 3 n) a(n + 2) + (-4 n - 8) a(n + 1), a(0) = 1, a(1) = 16, a(2) = 106\}$$

Sequence: A081588
Score: 5.06914
Type of gen. func.: ogf

$$(95 f(x) + 2384) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 64 x^3 - 4 f(x) x - 48 x^2 + f(x) - 12 x - 1)$$

Sequence: A081588
Score: 9.12446
Type of gen. func.: ogf

$$\frac{(4 x + 1)^3}{(x - 1)^4}$$

Sequence: A081589
Score: 12.1206
Type of gen. func.: ogf

$$- \frac{(5 x + 1)^2}{(x - 1)^3}$$

Sequence: A081589
Score: 32.5584
Type of gen. func.: lgdogf

$$- \frac{5 x + 13}{(5 x + 1) (x - 1)}$$

Sequence: A081589
Score: 6.58274
Type of gen. func.: ogf

$$(83 f(x) - 933) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 25 x^{2} - f(x) + 10 x + 1)$$

Sequence: A081589
Score: 6.69823
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 13, a(2) = 61\}$$

Sequence: A081590
Score: 30.7085
Type of gen. func.: lgdogf

$$- \frac{19 + 5 x}{(5 x + 1) (x - 1)}$$

Sequence: A081590
Score: 4.64697
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-11 + 4 n) a(n + 2) + (-5 n - 10) a(n + 1), a(0) = 1, a(1) = 19, a(2) = 145\}$$

Sequence: A081590
Score: 4.96745
Type of gen. func.: ogf

$$(91 f(x) + 4031) (f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 125 x^{3} - 4 f(x) x - 75 x^{2} + f(x) - 15 x - 1)$$

Sequence: A081590
Score: 8.89236
Type of gen. func.: ogf

$$\frac{(5x+1)^3}{(x-1)^4}$$

Sequence: A081591
Score: 11.9211
Type of gen. func.: ogf

$$-\frac{(6x+1)^2}{(x-1)^3}$$

Sequence: A081591
Score: 30.6823
Type of gen. func.: lgdogf

$$-\frac{3(5+2x)}{(6x+1)(x-1)}$$

Sequence: A081591
Score: 6.36466
Type of gen. func.: ogf

$$(497 f(x) - 7625) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 36 x^2 - f(x) + 12 x + 1)$$

Sequence: A081591
Score: 6.58798
Type of gen. func.: ogf

$$\{a(n+3) - 3 a(n+2) + 3 a(n+1) - a(n), a(0) = 1, a(1) = 15, a(2) = 78\}$$

Sequence: A081592
Score: 11.3942
Type of gen. func.: ogf

$$-\frac{x^{38} - x^{17} + x^8 - x^5 + x^3 - x^2 + x + 1}{x-1}$$

Sequence: A081592
Score: 8.53226
Type of gen. func.: lgdogf

$$(37 x^{38} - 38 x^{37} - 16 x^{17} + 17 x^{16} + 7 x^{8} - 8 x^{7} - 4 x^{5} + 5 x^{4} + 2 x^{3} - 4 x^{2} + 2 x - 2) \Big/ ((x - 1) (x^{38} - x^{17} + x^{8} - x^{5} + x^{3} - x^{2} + x + 1))$$

Sequence: A081593
Score: 12.1537
Type of gen. func.: ogf

$$- \frac{(7 x + 1)^{2}}{(x - 1)^{3}}$$

Sequence: A081593
Score: 32.6535
Type of gen. func.: lgdogf

$$- \frac{17 + 7 x}{(7 x + 1) (x - 1)}$$

Sequence: A081593
Score: 6.48885
Type of gen. func.: ogf

$$(152 f(x) - 3057) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 49 x^{2} - f(x) + 14 x + 1)$$

Sequence: A081593
Score: 6.71653
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 17, a(2) = 97\}$$

Sequence: A081594
Score: 10.2352
Type of gen. func.: ogf

$$-\frac{x\,(7\,x^{9}-x^{8}-x^{7}-x^{6}-x^{5}-x^{4}-x^{3}-x^{2}-x-1)}{(x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{4}-x^{3}+x^{2}-x+1)\,(x-1)^{2}}$$

Sequence: A081595
Score: 7.65938
Type of gen. func.: ogf

$$-\frac{x\,(5\,x^{9}-x^{8}-x^{7}-x^{6}-x^{5}-x^{4}-x^{3}-x^{2}-x-1)}{(x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{4}-x^{3}+x^{2}-x+1)\,(x-1)^{2}}$$

Sequence: A081596
Score: 7.63670
Type of gen. func.: ogf

$$-\frac{x\,(4\,x^{9}-x^{8}-x^{7}-x^{6}-x^{5}-x^{4}-x^{3}-x^{2}-x-1)}{(x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{4}-x^{3}+x^{2}-x+1)\,(x-1)^{2}}$$

Sequence: A081597
Score: 7.54385
Type of gen. func.: ogf

$$-\frac{x\,(3\,x^{9}-x^{8}-x^{7}-x^{6}-x^{5}-x^{4}-x^{3}-x^{2}-x-1)}{(x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{4}-x^{3}+x^{2}-x+1)\,(x-1)^{2}}$$

Sequence: A081598
Score: 7.57877
Type of gen. func.: ogf

$$-\frac{x\,(2\,x^{9}-x^{8}-x^{7}-x^{6}-x^{5}-x^{4}-x^{3}-x^{2}-x-1)}{(x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{4}-x^{3}+x^{2}-x+1)\,(x-1)^{2}}$$

Sequence: A081599
Score: 7.61370
Type of gen. func.: ogf

$$-\frac{x\,(x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)}{(x+1)\,(x^4+x^3+x^2+x+1)\,(x^4-x^3+x^2-x+1)\,(x-1)^2}$$

Sequence: A081600
Score: 15.5663
Type of gen. func.: ogf

$$\frac{x\,(x^2+x+1)\,(x^6+x^3+1)}{(x+1)\,(x^4+x^3+x^2+x+1)\,(x^4-x^3+x^2-x+1)\,(x-1)^2}$$

Sequence: A081600
Score: 61.6241
Type of gen. func.: ogf_with_Euler_transform]

$$x^9-x^8+2$$

Sequence: A081607
Score: 4.37198
Type of gen. func.: ogf

$$(x^{35}+x^{34}+x^{32}+x^{31}+x^{29}+x^{28}+x^{24}+x^{21}+x^{20}+x^{19}+x^{18}+x^{15}+x^{12}+x^{11}+x^{10}+x^9+x^6+x^3+1)\;/\;((x^2+x+1)\,(x^6+x^3+1)\,(x^{18}+x^9+1)\,(x-1)^2)$$

Sequence: A081612
Score: 6.35168
Type of gen. func.: ogf

$$-\frac{(x^4 - x^3 + x^2 - x + 1)\,(x^{10} - x^9 - x^6 + x^4 + x^3 - x^2 + 1)}{(x - 1)^3}$$

Sequence: A081622
Score: 9.31090
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-5\,x^4 - 4\,x^3 - 3\,x^2 - 2\,x - 1}{x^5 + x^4 + x^3 + x^2 + x + 1}$$

Sequence: A081625
Score: 12.3766
Type of gen. func.: ogf

$$-\frac{x - 1}{(5\,x - 1)\,(3\,x - 1)}$$

Sequence: A081625
Score: 12.9569
Type of gen. func.: revogf

$$-\frac{-1 - 8\,x + (4\,x^2 + 12\,x + 1)^{1/2}}{2\,(15\,x + 1)}$$

Sequence: A081625
Score: 14.6618
Type of gen. func.: lgdogf

$$-\frac{15\,x^2 - 30\,x + 7}{(x - 1)\,(3\,x - 1)\,(5\,x - 1)}$$

Sequence: A081625
Score: 6.46961
Type of gen. func.: ogf

$$(26 f(x) + 23) (15 f(x) x^2 - 8 f(x) x + f(x) + x - 1)$$

Sequence: A081625
Score: 6.85934
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 15 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A081626
Score: 11.8554
Type of gen. func.: ogf

$$- \frac{2 x - 1}{(6 x - 1) (-1 + 4 x)}$$

Sequence: A081626
Score: 12.3914
Type of gen. func.: revogf

$$- \frac{-1 - 10 x + (4 x^2 + 12 x + 1)^{1/2}}{4 (1 + 12 x)}$$

Sequence: A081626
Score: 13.2981
Type of gen. func.: lgdogf

$$- \frac{8 (6 x^2 - 6 x + 1)}{(6 x - 1) (2 x - 1) (-1 + 4 x)}$$

Sequence: A081626
Score: 6.26074
Type of gen. func.: ogf

$$(25 f(x) + 39) (24 f(x) x^2 - 10 f(x) x + f(x) + 2 x - 1)$$

Sequence: A081626
Score: 6.63340
Type of gen. func.: ogf

$$\{-a(n+2) + 10\, a(n+1) - 24\, a(n),\ a(0) = 1,\ a(1) = 8\}$$

Sequence: A081627
Score: 12.6203
Type of gen. func.: ogf

$$-\frac{3x - 1}{(7x - 1)(5x - 1)}$$

Sequence: A081627
Score: 13.2084
Type of gen. func.: revogf

$$-\frac{-1 - 12x + (4x^2 + 12x + 1)^{1/2}}{2(3 + 35x)}$$

Sequence: A081627
Score: 14.1749
Type of gen. func.: lgdogf

$$-\frac{105x^2 - 70x + 9}{(3x - 1)(7x - 1)(5x - 1)}$$

Sequence: A081627
Score: 6.66466
Type of gen. func.: ogf

$$(38 f(x) + 43)(35 f(x) x^2 - 12 f(x) x + f(x) + 3x - 1)$$

Sequence: A081627
Score: 7.06137
Type of gen. func.: ogf

$$\{-a(n+2) + 12\, a(n+1) - 35\, a(n),\ a(0) = 1,\ a(1) = 9\}$$

Sequence: A081628
Score: 16.3846
Type of gen. func.: ogf

$$\frac{1 + 9 x}{(x + 1) (5 x + 1)}$$

Sequence: A081628
Score: 17.2626
Type of gen. func.: revogf

$$- \frac{-1 + 6 x + (16 x^2 + 24 x + 1)^{1/2}}{2 (-9 + 5 x)}$$

Sequence: A081628
Score: 19.4757
Type of gen. func.: lgdogf

$$- \frac{45 x^2 + 10 x - 3}{(5 x + 1) (1 + 9 x) (x + 1)}$$

Sequence: A081628
Score: 8.47481
Type of gen. func.: ogf

$$(28 f(x) - 37) (5 f(x) x^2 + 6 f(x) x + f(x) - 9 x - 1)$$

Sequence: A081628
Score: 8.99156
Type of gen. func.: ogf

$$\{a(n + 2) + 6 a(n + 1) + 5 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A081630
Score: 16.6610
Type of gen. func.: ogf

$$-\frac{7x+1}{(3x+1)(x-1)}$$

Sequence: A081630
Score: 18.5651
Type of gen. func.: revogf

$$\frac{-1+2x+(16x^2+24x+1)^{1/2}}{2(7+3x)}$$

Sequence: A081630
Score: 8.71798
Type of gen. func.: ogf

$$(4f(x)-29)(3f(x)x^2-2f(x)x-f(x)+7x+1)$$

Sequence: A081630
Score: 9.14323
Type of gen. func.: ogf

$$\{-a(n+2)-2a(n+1)+3a(n),\ a(0)=1,\ a(1)=5\}$$

Sequence: A081631
Score: 10.6239
Type of gen. func.: ogf

$$\{a(n+2)-4a(n),\ a(0)=1,\ a(1)=6\}$$

Sequence: A081631
Score: 15.8618
Type of gen. func.: lgdogf

$$-\frac{2(12x^2+4x+3)}{(2x+1)(2x-1)(6x+1)}$$

Sequence: A081631
Score: 16.2486
Type of gen. func.: revegf]

$$-\ln(2) + 1/2 \ln(3 + 2 x + (4 x^2 + 12 x + 1)^{1/2})$$

Sequence: A081631
Score: 16.5837
Type of gen. func.: ogf

$$- \frac{6 x + 1}{(2 x + 1) (2 x - 1)}$$

Sequence: A081631
Score: 9.44346
Type of gen. func.: ogf

$$-(10 f(x) + 7) (4 f(x) x^2 - f(x) + 6 x + 1)$$

Sequence: A081632
Score: 14.8424
Type of gen. func.: ogf

$$- \frac{5 x + 1}{(x + 1) (3 x - 1)}$$

Sequence: A081632
Score: 15.5923
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (16 x^2 + 24 x + 1)^{1/2}}{2 (5 + 3 x)}$$

Sequence: A081632
Score: 17.6994
Type of gen. func.: lgdogf

$$2$$

```
                 15 x  + 6 x + 7
         - --------------------------
           (5 x + 1) (3 x - 1) (x + 1)
```

Sequence: A081632
Score: 7.67712
Type of gen. func.: ogf

```
                                       2
    (20 f(x) + 29) (3 f(x) x  + 2 f(x) x - f(x) + 5 x + 1)
```

Sequence: A081632
Score: 8.14524
Type of gen. func.: ogf

```
    {a(n + 2) - 2 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 7}
```

Sequence: A081651
Score: 3.32751
Type of gen. func.: ogf_with_Euler_transform]

```
         6    5    2
        x  - x  + x  + 1
```

Sequence: A081654
Score: 13.6568
Type of gen. func.: ogf

```
    -4 f(x) x + f(x) - 4 x - 1
```

Sequence: A081654
Score: 16.6096
Type of gen. func.: ogf

```
       4 x + 1
     - --------
       -1 + 4 x
```

Sequence: A081654
Score: 16.7226
Type of gen. func.: revogf

$$- 1/8 - x/2 + \frac{(16 x^2 + 24 x + 1)^{1/2}}{8}$$

Sequence: A081654
Score: 31.6850
Type of gen. func.: lgdogf

$$- \frac{8}{(-1 + 4 x) (4 x + 1)}$$

Sequence: A081654
Score: 8.53550
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 8\}$$

Sequence: A081655
Score: 12.6517
Type of gen. func.: ogf

$$\frac{3 x + 1}{(5 x - 1) (x - 1)}$$

Sequence: A081655
Score: 12.9569
Type of gen. func.: revogf

$$- \frac{-1 - 6 x + (16 x^2 + 24 x + 1)^{1/2}}{2 (5 x - 3)}$$

Sequence: A081655
Score: 14.2858
Type of gen. func.: lgdogf

$$- \frac{15 x^2 + 10 x - 9}{(x - 1) (3 x + 1) (5 x - 1)}$$

Sequence: A081655
Score: 6.54397
Type of gen. func.: ogf

$$(44 f(x) + 37) (5 f(x) x^2 - 6 f(x) x + f(x) - 3 x - 1)$$

Sequence: A081655
Score: 6.94299
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 5 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A081656
Score: 12.1783
Type of gen. func.: ogf

$$\frac{2 x + 1}{(6 x - 1) (2 x - 1)}$$

Sequence: A081656
Score: 12.4595
Type of gen. func.: revogf

$$- \frac{-1 - 8 x + (16 x^2 + 24 x + 1)^{1/2}}{4 (6 x - 1)}$$

Sequence: A081656
Score: 12.7493
Type of gen. func.: lgdogf

$$- \frac{2 (12 x^2 + 12 x - 5)}{(6 x - 1) (2 x + 1) (2 x - 1)}$$

Sequence: A081656
Score: 6.36593
Type of gen. func.: ogf

$$(14 f(x) + 11) (12 f(x) x^2 - 8 f(x) x + f(x) - 2 x - 1)$$

Sequence: A081656
Score: 6.66907
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 12 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A081657
Score: 12.6840
Type of gen. func.: ogf

$$\frac{x + 1}{(7 x - 1) (3 x - 1)}$$

Sequence: A081657
Score: 12.6993
Type of gen. func.: revogf

$$- \frac{-1 - 10 x + (16 x^2 + 24 x + 1)^{1/2}}{2 (-1 + 21 x)}$$

Sequence: A081657
Score: 14.2480
Type of gen. func.: lgdogf

$$- \frac{21 x^2 + 42 x - 11}{(3 x - 1) (7 x - 1) (x + 1)}$$

Sequence: A081657
Score: 6.69832
Type of gen. func.: ogf

$$(68 f(x) + 53) (21 f(x) x^2 - 10 f(x) x + f(x) - x - 1)$$

Sequence: A081657
Score: 7.01353
Type of gen. func.: ogf

$$\{-a(n+2) + 10\, a(n+1) - 21\, a(n),\ a(0) = 1,\ a(1) = 11\}$$

Sequence: A081659
Score: 10.7546
Type of gen. func.: ogf

$$\frac{x^3 + x - 1}{(x^2 + x - 1)\,(x - 1)^2}$$

Sequence: A081659
Score: 13.4726
Type of gen. func.: lgdogf

$$-\frac{x^5 + x^4 + 6\,x^3 - 6\,x^2 - 2\,x + 2}{(x - 1)\,(x^2 + x - 1)\,(x^3 + x - 1)}$$

Sequence: A081659
Score: 5.22583
Type of gen. func.: ogf

$$\{a(n+4) - 3\, a(n+3) + 2\, a(n+2) + a(n+1) - a(n),\ a(0) = 1,\ a(1) = 2,\ a(2) = 4,\ a(3) = 6\}$$

Sequence: A081659
Score: 5.93654
Type of gen. func.: ogf

$$-f(x)\,(f(x)\,x^4 - f(x)\,x^3 - 2\,f(x)\,x^2 - x^3 + 3\,f(x)\,x - f(x) - x + 1)$$

Sequence: A081660
Score: 10.4895
Type of gen. func.: ogf

$$\frac{2 x^{3} + x - 1}{(x + 1) (2 x - 1) (x - 1)^{2}}$$

Sequence: A081660
Score: 11.4483
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^{5} + 2 x^{4} + 6 x^{3} - 7 x^{2} + 1)}{(x - 1) (2 x - 1) (x + 1) (2 x^{3} + x - 1)}$$

Sequence: A081660
Score: 3.69274
Type of gen. func.: ogf

$$\{(-4 n - 6) a(n + 1) + (-1 + 2 n) a(n + 2) + (4 n + 4) a(n + 3) + (-2 n - 1) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 8\}$$

Sequence: A081660
Score: 5.48316
Type of gen. func.: ogf

$$(20 f(x) - 151) (2 f(x) x^{4} - 3 f(x) x^{3} - f(x) x^{2} - 2 x^{3} + 3 f(x) x - f(x) - x + 1)$$

Sequence: A081661
Score: 10.6073
Type of gen. func.: lgdogf

$$- \frac{8 x^{5} + 6 x^{4} + 12 x^{3} - 15 x^{2} - 2 x + 3}{(x - 1) (2 x - 1) (x + 1) (2 x^{3} + x - 1)}$$

Sequence: A081661
Score: 9.27197

Type of gen. func.: ogf

$$-\frac{2 x^3 + x - 1}{(x + 1) (2 x - 1) (x - 1)^3}$$

Sequence: A081662
Score: 12.1716
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 2 x^4 + 6 x^3 - 6 x^2 - 4 x + 3}{(x - 1) (x^2 + x - 1) (x^3 + x - 1)}$$

Sequence: A081662
Score: 9.35439
Type of gen. func.: ogf

$$-\frac{x^3 + x - 1}{(x^2 + x - 1) (x - 1)^3}$$

Sequence: A081663
Score: 4.66508
Type of gen. func.: ogf

{a(n + 4) - 7 a(n + 3) + 17 a(n + 2) - 16 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 3,

a(2) = 9, a(3) = 25}

Sequence: A081663
Score: 4.66509
Type of gen. func.: ogf

$$-(8 f(x) + 389) (4 f(x) x^4 - 16 f(x) x^3 + 17 f(x) x^2 + 3 x^3 - 7 f(x) x - 5 x^2 + f(x) + 4 x - 1)$$

Sequence: A081663

Score: 8.56249
Type of gen. func.: ogf

$$-\frac{3 x^3 - 5 x^2 + 4 x - 1}{(x^2 - 3 x + 1) (2 x - 1)^2}$$

Sequence: A081663
Score: 8.61179
Type of gen. func.: lgdogf

$$-\frac{6 x^5 - 17 x^4 + 30 x^3 - 36 x^2 + 18 x - 3}{(2 x - 1) (x^2 - 3 x + 1) (3 x^3 - 5 x^2 + 4 x - 1)}$$

Sequence: A081666
Score: 4.10411
Type of gen. func.: ogf

$$-(15 f(x) + 4381) (45 f(x) x^4 - 75 f(x) x^3 + 44 f(x) x^2 + 13 x^3 - 11 f(x) x - 16 x^2 + f(x) + 7 x - 1)$$

Sequence: A081666
Score: 6.97710
Type of gen. func.: lgdogf

$$-\frac{195 x^5 - 415 x^4 + 386 x^3 - 186 x^2 + 44 x - 4}{(3 x - 1) (5 x^2 - 5 x + 1) (13 x^3 - 16 x^2 + 7 x - 1)}$$

Sequence: A081666
Score: 7.46651
Type of gen. func.: ogf

$$-\frac{13 x^3 - 16 x^2 + 7 x - 1}{(5 x^2 - 5 x + 1) (3 x - 1)^2}$$

Sequence: A081669
Score: 3.22823
Type of gen. func.: ogf

$$12 f(x)^2 x^4 - 4 x^3 f(x)^2 + 24 f(x) x^4 - 9 f(x)^2 x^2 + 4 f(x) x^3 + 12 x^4$$
$$+ 6 f(x)^2 x - 16 f(x) x^2 + 8 x^3 - f(x)^2 + 4 f(x) x - 4 x + 1$$

Sequence: A081671
Score: 11.868
Type of gen. func.: ogf

$$-12 f(x)^2 x^2 + 8 f(x)^2 x - f(x)^2 + 1$$

Sequence: A081671
Score: 20.1849
Type of gen. func.: revogf

$$- \frac{(-4 x + (4 x^2 + 1)^{1/2}) x}{12 x^2 - 1}$$

Sequence: A081671
Score: 27.6608
Type of gen. func.: lgdogf

$$- \frac{4 (3 x - 1)}{(6 x - 1) (2 x - 1)}$$

Sequence: A081671
Score: 4.93217
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 3) + (20 + 8 n) a(n + 2) + (-24 - 12 n) a(n + 1), a(0) = 1,$$
$$a(1) = 4, a(2) = 18\}$$

Sequence: A081672
Score: 3.48879
Type of gen. func.: ogf

$$\{(8 n + 8) a(n) + (-4 n - 8) a(n + 1) + (-4 - 2 n) a(n + 2) + (n + 3) a(n + 3),$$
$$a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 8\}$$

Sequence: A081672
Score: 4.75284
Type of gen. func.: ogf

$$-8 x^3 f(x)^2 + 4 f(x)^2 x^2 - 16 f(x) x^3 + 2 f(x)^2 x - 8 x^3 - f(x)^2 + 4 f(x) x - 4 x^2 - 2 x + 1$$

Sequence: A081674
Score: 10.7731
Type of gen. func.: ogf

$$\frac{x (2 x - 1)}{(x - 1) (3 x - 1) (-1 + 4 x)}$$

Sequence: A081674
Score: 11.1799
Type of gen. func.: lgdogf

$$-\frac{2 (24 x^3 - 37 x^2 + 19 x - 3)}{(x - 1) (3 x - 1) (2 x - 1) (-1 + 4 x)}$$

Sequence: A081674
Score: 5.62487
Type of gen. func.: ogf

$$-(6 f(x) + 1) (12 f(x) x^3 - 19 f(x) x^2 + 8 f(x) x - 2 x^2 - f(x) + x)$$

Sequence: A081674
Score: 5.62487
Type of gen. func.: ogf

```
 {-a(n + 3) + 8 a(n + 2) - 19 a(n + 1) + 12 a(n), a(0) = 0, a(1) = 1, a(2) = 6}



------------------------------------------------------------------------------

Sequence:  A081675
Score: 5.17885
Type of gen. func.: ogf


{-a(n + 3) + 11 a(n + 2) - 38 a(n + 1) + 40 a(n), a(0) = 0, a(1) = 1, a(2) = 8}



------------------------------------------------------------------------------

Sequence:  A081675
Score: 6.70897
Type of gen. func.: ogf


                       3            2                  2
             -40 f(x) x  + 38 f(x) x  - 11 f(x) x + 3 x  + f(x) - x



------------------------------------------------------------------------------

Sequence:  A081675
Score: 9.37283
Type of gen. func.: lgdogf


                                     3        2
                             2 (120 x  - 117 x  + 38 x - 4)
                   - ----------------------------------------
                     (-1 + 4 x) (3 x - 1) (2 x - 1) (5 x - 1)



------------------------------------------------------------------------------

Sequence:  A081675
Score: 9.83982
Type of gen. func.: ogf


                                     x (3 x - 1)
                           ------------------------------
                           (-1 + 4 x) (2 x - 1) (5 x - 1)



------------------------------------------------------------------------------

Sequence:  A081678
Score: 5.08303
Type of gen. func.: ogf


{-a(n + 3) + 14 a(n + 2) - 63 a(n + 1) + 90 a(n), a(0) = 0, a(1) = 1, a(2) = 10

    }



------------------------------------------------------------------------------

Sequence:  A081678
```

Score: 6.64259
Type of gen. func.: ogf

$$-90 f(x) x^3 + 63 f(x) x^2 - 14 f(x) x + 4 x^2 + f(x) - x$$

Sequence: A081678
Score: 9.43302
Type of gen. func.: lgdogf

$$-\frac{2 (360 x^3 - 261 x^2 + 63 x - 5)}{(6 x - 1) (-1 + 4 x) (3 x - 1) (5 x - 1)}$$

Sequence: A081678
Score: 9.74247
Type of gen. func.: ogf

$$\frac{x (-1 + 4 x)}{(6 x - 1) (3 x - 1) (5 x - 1)}$$

Sequence: A081679
Score: 5.23104
Type of gen. func.: ogf

$$-\frac{498 x^4 - 429 x^3 + 136 x^2 - 19 x + 1}{(6 x - 1) (-1 + 4 x) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A081680
Score: 5.46936
Type of gen. func.: ogf

$$-\frac{1083 x^4 - 762 x^3 + 199 x^2 - 23 x + 1}{(6 x - 1) (-1 + 4 x) (3 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A081681
Score: 5.68845
Type of gen. func.: ogf

$$-\frac{2068 x^4 - 1233 x^3 + 274 x^2 - 27 x + 1}{(6 x - 1) (-1 + 4 x) (8 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A081682
Score: 5.19088
Type of gen. func.: ogf

$$-\frac{3603 x^4 - 1866 x^3 + 361 x^2 - 31 x + 1}{(6 x - 1) (9 x - 1) (8 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A081683
Score: 4.92432
Type of gen. func.: ogf

$$-\frac{5862 x^4 - 2685 x^3 + 460 x^2 - 35 x + 1}{(6 x - 1) (9 x - 1) (8 x - 1) (7 x - 1) (10 x - 1)}$$

Sequence: A081684
Score: 6.83133
Type of gen. func.: ogf

$$-\frac{254 x^4 - 266 x^3 + 99 x^2 - 16 x + 1}{(x - 1) (-1 + 4 x) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A081685
Score: 6.55603
Type of gen. func.: ogf

$$-\frac{636 x^4 - 516 x^3 + 153 x^2 - 20 x + 1}{(6 x - 1) (-1 + 4 x) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A081686
Score: 6.18208
Type of gen. func.: ogf

4   3   2

$$-\frac{1326 x - 886 x + 219 x - 24 x + 1}{(6 x - 1) (-1 + 4 x) (3 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A081687
Score: 5.15055
Type of gen. func.: ogf

$$-\frac{2456 x^4 - 1400 x^3 + 297 x^2 - 28 x + 1}{(6 x - 1) (-1 + 4 x) (8 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A081696
Score: 10.0750
Type of gen. func.: lgdogf

$$-\frac{-2 + 7 x + 4 x^2 + (-(-1 + 4 x) (2 x - 1)^2)^{1/2}}{(-1 + 4 x) (x^2 + 4 x - 1)}$$

Sequence: A081696
Score: 18.1911
Type of gen. func.: revogf

$$\frac{(-2 x + (5 x^2 - 2 x + 1)^{1/2}) x}{(x - 1)^2}$$

Sequence: A081696
Score: 3.33955
Type of gen. func.: ogf

$$\{(-4 n - 10) a(n + 1) + (-15 n - 36) a(n + 2) + (8 n + 26) a(n + 3)$$

$$+ (-n - 4) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 9\}$$

Sequence: A081696
Score: 8.2458
Type of gen. func.: ogf

2 2   2   2

$$f(x) x + 4 f(x) x - f(x) - 2 f(x) x + 1$$

Sequence: A081704
Score: 14.1844
Type of gen. func.: revogf

$$-\frac{-1 - 5 x + (13 x^2 + 2 x + 1)^{1/2}}{2 (2 + 3 x)}$$

Sequence: A081704
Score: 15.6775
Type of gen. func.: lgdogf

$$-\frac{3 (2 x^2 - 2 x + 1)}{(2 x - 1) (3 x^2 - 5 x + 1)}$$

Sequence: A081704
Score: 16.2375
Type of gen. func.: ogf

$$-\frac{2 x - 1}{3 x^2 - 5 x + 1}$$

Sequence: A081704
Score: 8.11872
Type of gen. func.: ogf

$$-(13 f(x) - 4) (3 f(x) x^2 - 5 f(x) x + f(x) + 2 x - 1)$$

Sequence: A081704
Score: 8.91080
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A081708
Score: 15.1564
Type of gen. func.: ogf

$$\frac{x - 2}{64 x^2 + x - 1}$$

Sequence: A081708
Score: 7.41697
Type of gen. func.: ogf

$$(33410 f(x) - 66819) (64 f(x) x^2 + f(x) x - f(x) - x + 2)$$

Sequence: A081708
Score: 8.39994
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 64 a(n), a(0) = 2, a(1) = 1\}$$

Sequence: A081714
Score: 13.4258
Type of gen. func.: ogf

$$- \frac{x (2 x - 3)}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A081714
Score: 15.7305
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 13 x^2 + 12 x + 4}{(2 x - 3) (x + 1) (x^2 - 3 x + 1)}$$

Sequence: A081714
Score: 6.89432
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 3, a(2) = 4\}$$

Sequence: A081714
Score: 7.72999
Type of gen. func.: ogf

$$f(x) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + 2 x^2 + f(x) - 3 x)$$

Sequence: A081750
Score: 7.47895
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 - x^8 - 4 x^7 - 5 x^6 - 2 x^5 + x^4 - 3 x^3 + 3 x^2 + 2 x + 5}{(x + 1) (x^2 - x + 1) (x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A081753
Score: 14.7260
Type of gen. func.: ogf

$$\frac{x^3 - x^2 + 1}{(x + 1) (x^4 - x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A081753
Score: 7.31337
Type of gen. func.: lgdogf

$$- (10 x^{14} - 10 x^{13} + 13 x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + 3 x^2 - x + 1) / ((x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^3 - x^2 + 1) (x^4 - x^2 + 1))$$

Sequence: A081808
Score: 12.7068
Type of gen. func.: ogf

$$\{a(n + 1) - 2 a(n), a(0) = 12\}$$

Sequence: A081808
Score: 16.0347
Type of gen. func.: ogf

$$-2 f(x) x + f(x) - 12$$

Sequence: A081808
Score: 25.9023
Type of gen. func.: ogf

$$-\frac{12}{2 x - 1}$$

Sequence: A081808
Score: 29.9996
Type of gen. func.: revegf]

$$-1/2 \ln(6) + 1/2 \ln(6 + x)$$

Sequence: A081808
Score: 65.9991
Type of gen. func.: lgdogf

$$-\frac{2}{2 x - 1}$$

Sequence: A081854
Score: 7.44691
Type of gen. func.: ogf

$$-\frac{770 x^4 + 3503 x^3 + 1823 x^2 + 45 x + 3}{(x - 1)^5}$$

Sequence: A081854
Score: 9.39518
Type of gen. func.: lgdogf

$$-\frac{2\,(385 x^4 + 5043 x^3 + 7989 x^2 + 1913 x + 30)}{(x - 1)\,(770 x^4 + 3503 x^3 + 1823 x^2 + 45 x + 3)}$$

Sequence: A081857
Score: 10.4630
Type of gen. func.: ogf

$$-\frac{x\,(8 x^2 - x - 1)}{(x - 1)\,(x + 1)\,(10 x^2 - 1)}$$

Sequence: A081857
Score: 6.21856
Type of gen. func.: ogf

$$-(110 f(x) - 47)\,(10 f(x) x^4 - 11 f(x) x^2 + 8 x^3 - x^2 + f(x) - x)$$

Sequence: A081857
Score: 9.01778
Type of gen. func.: lgdogf

$$-\frac{160 x^5 - 30 x^4 - 40 x^3 + 11 x^2 + 6 x + 1}{(x - 1)\,(x + 1)\,(8 x^2 - x - 1)\,(10 x^2 - 1)}$$

Sequence: A081890
Score: 4.84817
Type of gen. func.: ogf

$$-\frac{4182 x^4 - 2082 x^3 + 387 x^2 - 32 x + 1}{(6 x - 1)\,(9 x - 1)\,(8 x - 1)\,(7 x - 1)\,(5 x - 1)}$$

Sequence: A081891
Score: 4.87355
Type of gen. func.: ogf

$$-\frac{6684 x^4 - 2956 x^3 + 489 x^2 - 36 x + 1}{(6 x - 1) (9 x - 1) (8 x - 1) (7 x - 1) (10 x - 1)}$$

Sequence: A081892
Score: 23.5909
Type of gen. func.: lgdogf

$$-\frac{-5 + 6 x}{(3 x - 1) (2 x - 1)}$$

Sequence: A081892
Score: 5.26115
Type of gen. func.: ogf

$$(1053 f(x) - 2005) (27 f(x) x^3 - 27 f(x) x^2 + 9 f(x) x + 4 x^2 - f(x) - 4 x + 1)$$

Sequence: A081892
Score: 5.44414
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 27 a(n + 1) - 27 a(n), a(0) = 1, a(1) = 5, a(2) = 22\}$$

Sequence: A081892
Score: 9.93771
Type of gen. func.: ogf

$$-\frac{(2 x - 1)^2}{(3 x - 1)^3}$$

Sequence: A081893
Score: 20.9749
Type of gen. func.: lgdogf

$$6 (2 x - 1)$$

```
- --------------------
  (-1 + 4 x) (3 x - 1)
```

Sequence: A081893
Score: 4.99719
Type of gen. func.: ogf

$$(1040 f(x) - 2579)$$

$$(64 f(x) x^3 - 48 f(x) x^2 + 12 f(x) x + 9 x^2 - f(x) - 6 x + 1)$$

Sequence: A081893
Score: 5.16950
Type of gen. func.: ogf

$$\{a(n + 3) - 12 a(n + 2) + 48 a(n + 1) - 64 a(n), a(0) = 1, a(1) = 6, a(2) = 33\}$$

Sequence: A081893
Score: 9.17652
Type of gen. func.: revogf

$$-\frac{2 \left(\mathrm{HeunG}\left(\frac{27}{40}, \frac{-7}{40}, -2/3, -1/3, 1/2, 1/2, -\frac{27 x}{4}\right) - 1 - 8 x\right)}{9 + 64 x}$$

Sequence: A081893
Score: 9.36972
Type of gen. func.: ogf

$$-\frac{(3 x - 1)^2}{(-1 + 4 x)^3}$$

Sequence: A081894
Score: 22.8339
Type of gen. func.: lgdogf

$$-\frac{-7 + 20 x}{(5 x - 1) (-1 + 4 x)}$$

Sequence: A081894
Score: 4.92569
Type of gen. func.: ogf

$$(7325 f(x) - 22461)$$

$$(125 f(x) x^3 - 75 f(x) x^2 + 15 f(x) x + 16 x^2 - f(x) - 8 x + 1)$$

Sequence: A081894
Score: 5.17828
Type of gen. func.: ogf

$$\{a(n + 3) - 15 a(n + 2) + 75 a(n + 1) - 125 a(n), a(0) = 1, a(1) = 7, a(2) = 46\}$$

Sequence: A081894
Score: 8.36171
Type of gen. func.: revogf

$$-1/3 \frac{8 \operatorname{HeunG}(\frac{18}{35}, \frac{-9}{70}, -2/3, -1/3, 1/2, 1/2, - \frac{27 x}{4}) - 8 - 75 x}{16 + 125 x}$$

Sequence: A081894
Score: 9.17968
Type of gen. func.: ogf

$$- \frac{(-1 + 4 x)^2}{(5 x - 1)^3}$$

Sequence: A081895
Score: 25.6786
Type of gen. func.: lgdogf

$$- \frac{6 (x - 1)}{(3 x - 1) (2 x - 1)}$$

Sequence: A081895
Score: 4.27894
Type of gen. func.: ogf

$$\{(n + 3)\, a(n + 3) + (-16 - 5 n)\, a(n + 2) + (12 + 6 n)\, a(n + 1),\ a(0) = 1,\ a(1) = 6,\ a(2) = 30\}$$

Sequence: A081895
Score: 4.33562
Type of gen. func.: ogf

$$(13149 f(x) + 26449) (81 f(x) x^4 - 108 f(x) x^3 + 54 f(x) x^2 + 8 x^3 - 12 f(x) x - 12 x^2 + f(x) + 6 x - 1)$$

Sequence: A081895
Score: 7.88769
Type of gen. func.: ogf

$$- \frac{(2 x - 1)^3}{(3 x - 1)^4}$$

Sequence: A081896
Score: 22.4387
Type of gen. func.: lgdogf

$$- \frac{-7 + 12 x}{(-1 + 4 x) (3 x - 1)}$$

Sequence: A081896
Score: 4.01434
Type of gen. func.: ogf

$$(92416 f(x) + 243535) (256 f(x) x^4 - 256 f(x) x^3 + 96 f(x) x^2 + 27 x^3 - 16 f(x) x - 27 x^2 + f(x) + 9 x - 1)$$

Sequence: A081896
Score: 4.01434
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-21 - 7 n) a(n + 2) + (24 + 12 n) a(n + 1), a(0) = 1,

a(1) = 7, a(2) = 43}

Sequence: A081896
Score: 7.27304
Type of gen. func.: ogf

$$-\frac{(3 x - 1)^{3}}{(-1 + 4 x)^{4}}$$

Sequence: A081897
Score: 19.4722
Type of gen. func.: lgdogf

$$-\frac{4 (-2 + 5 x)}{(5 x - 1) (-1 + 4 x)}$$

Sequence: A081897
Score: 3.57183
Type of gen. func.: ogf

$$(63625 f(x) + 207901) (625 f(x) x^{4} - 500 f(x) x^{3} + 150 f(x) x^{2} + 64 x^{3} - 20 f(x) x - 48 x^{2} + f(x) + 12 x - 1)$$

Sequence: A081897
Score: 3.61822
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-26 - 9 n) a(n + 2) + (40 + 20 n) a(n + 1), a(0) = 1,

a(1) = 8, a(2) = 58}

Sequence: A081897
Score: 6.40467
Type of gen. func.: ogf

$$-\frac{(-1 + 4 x)^3}{(5 x - 1)^4}$$

Sequence: A081898
Score: 23.5162
Type of gen. func.: lgdogf

$$-\frac{-7 + 6 x}{(3 x - 1) (2 x - 1)}$$

Sequence: A081898
Score: 4.07819
Type of gen. func.: ogf

$\{(n + 3) a(n + 3) + (-17 - 5 n) a(n + 2) + (12 + 6 n) a(n + 1), a(0) = 1,$

$a(1) = 7, a(2) = 39\}$

Sequence: A081898
Score: 5.99964
Type of gen. func.: ogf

$$-\frac{(2 x - 1)^4}{(3 x - 1)^5}$$

Sequence: A081899
Score: 20.9734
Type of gen. func.: lgdogf

$$-\frac{4 (-2 + 3 x)}{(-1 + 4 x) (3 x - 1)}$$

Sequence: A081899

Score: 3.75623
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-22 - 7 n) a(n + 2) + (24 + 12 n) a(n + 1), a(0) = 1,

a(1) = 8, a(2) = 54}

Sequence: A081899
Score: 5.30696
Type of gen. func.: ogf

$$-\frac{(3x-1)^4}{(-1+4x)^5}$$

Sequence: A081900
Score: 21.4310
Type of gen. func.: lgdogf

$$-\frac{-9+20x}{(5x-1)(-1+4x)}$$

Sequence: A081900
Score: 3.69603
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-27 - 9 n) a(n + 2) + (40 + 20 n) a(n + 1), a(0) = 1,

a(1) = 9, a(2) = 71}

Sequence: A081900
Score: 5.12783
Type of gen. func.: ogf

$$-\frac{(-1+4x)^4}{(5x-1)^5}$$

Sequence: A081901
Score: 22.6203
Type of gen. func.: lgdogf

$$-\frac{2\,(-4 + 3\,x)}{(3\,x - 1)\,(2\,x - 1)}$$

Sequence: A081901
Score: 4.22164
Type of gen. func.: ogf

$$\{(n + 3)\,a(n + 3) + (-18 - 5\,n)\,a(n + 2) + (12 + 6\,n)\,a(n + 1),\ a(0) = 1,$$
$$a(1) = 8,\ a(2) = 49\}$$

Sequence: A081901
Score: 5.08591
Type of gen. func.: ogf

$$-\frac{(2\,x - 1)^{5}}{(3\,x - 1)^{6}}$$

Sequence: A081902
Score: 20.0518
Type of gen. func.: lgdogf

$$-\frac{3\,(-3 + 4\,x)}{(-1 + 4\,x)\,(3\,x - 1)}$$

Sequence: A081902
Score: 3.85507
Type of gen. func.: ogf

$$\{(n + 3)\,a(n + 3) + (-23 - 7\,n)\,a(n + 2) + (24 + 12\,n)\,a(n + 1),\ a(0) = 1,$$
$$a(1) = 9,\ a(2) = 66\}$$

Sequence: A081902
Score: 4.49758
Type of gen. func.: ogf

$$(3\,x - 1)^{5}$$

$$- \frac{}{(-1 + 4 x)^6}$$

Sequence: A081903
Score: 20.3282
Type of gen. func.: lgdogf

$$- \frac{10 (2 x - 1)}{(5 x - 1) (-1 + 4 x)}$$

Sequence: A081903
Score: 3.74950
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-28 - 9 n) a(n + 2) + (40 + 20 n) a(n + 1), a(0) = 1,

a(1) = 10, a(2) = 85}

Sequence: A081903
Score: 4.24213
Type of gen. func.: ogf

$$- \frac{(-1 + 4 x)^5}{(5 x - 1)^6}$$

Sequence: A081904
Score: 20.9749
Type of gen. func.: lgdogf

$$- \frac{3 (2 x - 3)}{(3 x - 1) (2 x - 1)}$$

Sequence: A081904
Score: 3.91936
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-19 - 5 n) a(n + 2) + (12 + 6 n) a(n + 1), a(0) = 1,

a(1) = 9, a(2) = 60}

Sequence: A081904
Score: 3.97127
Type of gen. func.: ogf

$$-\frac{(2x-1)^6}{(3x-1)^7}$$

Sequence: A081905
Score: 19.2583
Type of gen. func.: lgdogf

$$-\frac{2(-5+6x)}{(-1+4x)(3x-1)}$$

Sequence: A081905
Score: 3.46675
Type of gen. func.: ogf

$$-\frac{(3x-1)^6}{(-1+4x)^7}$$

Sequence: A081905
Score: 3.55622
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-24 - 7 n) a(n + 2) + (24 + 12 n) a(n + 1), a(0) = 1,

a(1) = 10, a(2) = 79}

Sequence: A081906
Score: 20.7561
Type of gen. func.: lgdogf

$$-\frac{-11+20x}{(5x-1)(-1+4x)}$$

Sequence: A081906
Score: 3.63899
Type of gen. func.: ogf

$$-\frac{(-1 + 4 x)^{6}}{(5 x - 1)^{7}}$$

Sequence: A081906
Score: 3.80228
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-29 - 9 n) a(n + 2) + (40 + 20 n) a(n + 1), a(0) = 1,

a(1) = 11, a(2) = 100}

Sequence: A081907
Score: 20.3282
Type of gen. func.: lgdogf

$$-\frac{2 (-4 + 15 x)}{(6 x - 1) (5 x - 1)}$$

Sequence: A081907
Score: 4.61248
Type of gen. func.: ogf

(14796 f(x) - 54121)

$(216 f(x) x^{3} - 108 f(x) x^{2} + 18 f(x) x + 25 x^{2} - f(x) - 10 x + 1)$

Sequence: A081907
Score: 4.92519
Type of gen. func.: ogf

{a(n + 3) - 18 a(n + 2) + 108 a(n + 1) - 216 a(n), a(0) = 1, a(1) = 8,

a(2) = 61}

Sequence: A081907

Score: 7.90540
Type of gen. func.: revogf

$$-2/3\,\frac{5\,\mathrm{HeunG}\left(5/12, \frac{-11}{108}, -2/3, -1/3, 1/2, 1/2, -\frac{27\,x}{4}\right) - 5 - 54\,x}{25 + 216\,x}$$

Sequence: A081907
Score: 8.54665
Type of gen. func.: ogf

$$-\frac{(5\,x - 1)^2}{(6\,x - 1)^3}$$

Sequence: A081908
Score: 11.1881
Type of gen. func.: ogf

$$-\frac{5\,x^2 - 4\,x + 1}{(2\,x - 1)^3}$$

Sequence: A081908
Score: 17.8999
Type of gen. func.: lgdogf

$$-\frac{2\,(5\,x^2 - 3\,x + 1)}{(2\,x - 1)\,(5\,x^2 - 4\,x + 1)}$$

Sequence: A081908
Score: 5.8785
Type of gen. func.: ogf

$$-(20\,f(x) + 13)\,(8\,f(x)\,x^3 - 12\,f(x)\,x^2 + 6\,f(x)\,x + 5\,x^2 - f(x) - 4\,x + 1)$$

Sequence: A081908
Score: 6.13862
Type of gen. func.: ogf

{a(n + 3) - 6 a(n + 2) + 12 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 2, a(2) = 5}

Sequence: A081909
Score: 15.1569
Type of gen. func.: lgdogf

$$-\frac{30 x^2 - 16 x + 3}{(3 x - 1) (10 x^2 - 6 x + 1)}$$

Sequence: A081909
Score: 5.16094
Type of gen. func.: ogf

$$(135 f(x) + 73) (27 f(x) x^3 - 27 f(x) x^2 + 9 f(x) x + 10 x^2 - f(x) - 6 x + 1)$$

Sequence: A081909
Score: 5.25070
Type of gen. func.: ogf

{a(n + 3) - 9 a(n + 2) + 27 a(n + 1) - 27 a(n), a(0) = 1, a(1) = 3, a(2) = 10}

Sequence: A081909
Score: 9.43484
Type of gen. func.: ogf

$$-\frac{10 x^2 - 6 x + 1}{(3 x - 1)^3}$$

Sequence: A081910
Score: 14.8563
Type of gen. func.: lgdogf

$$2 (34 x^2 - 15 x + 2)$$

$$-\frac{}{(-1 + 4 x) (17 x^2 - 8 x + 1)}$$

Sequence: A081910
Score: 5.34878
Type of gen. func.: ogf

$$(464 f(x) + 241) (64 f(x) x^3 - 48 f(x) x^2 + 12 f(x) x + 17 x^2 - f(x) - 8 x + 1)$$

Sequence: A081910
Score: 5.48710
Type of gen. func.: ogf

$$\{a(n + 3) - 12 a(n + 2) + 48 a(n + 1) - 64 a(n), a(0) = 1, a(1) = 4, a(2) = 17\}$$

Sequence: A081910
Score: 9.79237
Type of gen. func.: ogf

$$-\frac{17 x^2 - 8 x + 1}{(-1 + 4 x)^3}$$

Sequence: A081911
Score: 13.8117
Type of gen. func.: lgdogf

$$-\frac{130 x^2 - 48 x + 5}{(5 x - 1) (26 x^2 - 10 x + 1)}$$

Sequence: A081911
Score: 4.74147
Type of gen. func.: ogf

$$(1175 f(x) + 601)$$

$$(125 f(x) x^3 - 75 f(x) x^2 + 15 f(x) x + 26 x^2 - f(x) - 10 x + 1)$$

Sequence: A081911
Score: 4.94409
Type of gen. func.: ogf

$\{a(n+3) - 15\, a(n+2) + 75\, a(n+1) - 125\, a(n),\ a(0) = 1,\ a(1) = 5,\ a(2) = 26\}$

Sequence: A081911
Score: 8.63372
Type of gen. func.: ogf

$$-\frac{26 x^2 - 10 x + 1}{(5 x - 1)^3}$$

Sequence: A081912
Score: 14.2314
Type of gen. func.: lgdogf

$$-\frac{2 (111 x^2 - 35 x + 3)}{(6 x - 1) (37 x^2 - 12 x + 1)}$$

Sequence: A081912
Score: 5.03328
Type of gen. func.: ogf

$(2484 f(x) + 1261)$

$(216 f(x) x^3 - 108 f(x) x^2 + 18 f(x) x + 37 x^2 - f(x) - 12 x + 1)$

Sequence: A081912
Score: 5.28921
Type of gen. func.: ogf

$\{a(n+3) - 18\, a(n+2) + 108\, a(n+1) - 216\, a(n),\ a(0) = 1,\ a(1) = 6,$

$a(2) = 37\}$

Sequence: A081912
Score: 9.17834
Type of gen. func.: ogf

$$-\frac{37 x^2 - 12 x + 1}{(6 x - 1)^3}$$

Sequence: A081913
Score: 12.1971
Type of gen. func.: lgdogf

$$-\frac{14 x^3 - 27 x^2 + 12 x - 2}{(x - 1) (2 x - 1) (7 x^2 - 5 x + 1)}$$

Sequence: A081913
Score: 4.28426
Type of gen. func.: ogf

$\{(-4 n - 8) a(n + 1) + (4 n + 4) a(n + 2) - a(n + 3) n, a(0) = 1, a(1) = 2,$
$a(2) = 4, a(3) = 9\}$

Sequence: A081913
Score: 4.45795
Type of gen. func.: ogf

$$-(160 f(x) + 73) (16 f(x) x^4 - 32 f(x) x^3 + 24 f(x) x^2 + 7 x^3 - 8 f(x) x - 12 x^2 + f(x) + 6 x - 1)$$

Sequence: A081913
Score: 8.14538
Type of gen. func.: ogf

$$-\frac{(x - 1) (7 x^2 - 5 x + 1)}{(2 x - 1)^4}$$

Sequence: A081914
Score: 11.4073
Type of gen. func.: lgdogf

$$- \frac{3 (26 x^{3} - 28 x^{2} + 9 x - 1)}{(3 x - 1) (2 x - 1) (13 x^{2} - 7 x + 1)}$$

Sequence: A081914
Score: 4.33391
Type of gen. func.: ogf

$$-(1566 f(x) + 757) (81 f(x) x^{4} - 108 f(x) x^{3} + 54 f(x) x^{2} + 26 x^{3} - 12 f(x) x - 27 x^{2} + f(x) + 9 x - 1)$$

Sequence: A081914
Score: 4.48033
Type of gen. func.: ogf

$$\{-a(n + 4) + 12 a(n + 3) - 54 a(n + 2) + 108 a(n + 1) - 81 a(n), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 28\}$$

Sequence: A081914
Score: 7.89392
Type of gen. func.: ogf

$$- \frac{(2 x - 1) (13 x^{2} - 7 x + 1)}{(3 x - 1)^{4}}$$

Sequence: A081915
Score: 10.7580
Type of gen. func.: lgdogf

$$- \frac{252 x^{3} - 195 x^{2} + 48 x - 4}{}$$

$$(3x-1)(-1+4x)(21x^2-9x+1)$$

Sequence: A081915
Score: 4.08016
Type of gen. func.: ogf

$$-(2816 f(x)+1387)(256 f(x) x^4-256 f(x) x^3+96 f(x) x^2+63 x^3-16 f(x) x-48 x^2+f(x)+12 x-1)$$

Sequence: A081915
Score: 4.24336
Type of gen. func.: ogf

$$\{-a(n+4)+16 a(n+3)-96 a(n+2)+256 a(n+1)-256 a(n), a(0)=1, a(1)=4, a(2)=16, a(3)=65\}$$

Sequence: A081915
Score: 7.40121
Type of gen. func.: ogf

$$-\frac{(3x-1)(21x^2-9x+1)}{(-1+4x)^4}$$

Sequence: A081916
Score: 3.61537
Type of gen. func.: ogf

$$-(31750 f(x)+15751)(625 f(x) x^4-500 f(x) x^3+150 f(x) x^2+124 x^3-20 f(x) x-75 x^2+f(x)+15 x-1)$$

Sequence: A081916
Score: 3.80565
Type of gen. func.: ogf

$$\{-a(n+4)+20 a(n+3)-150 a(n+2)+500 a(n+1)-625 a(n), a(0)=1,$$

a(1) = 5, a(2) = 25, a(3) = 126}

Sequence: A081916
Score: 5.39315
Type of gen. func.: revogf

$$x (4229 x^9 + 7911 x^6 + 2550 x^3 + 206) / (21145 x^{10} + 7580 x^9 + 39555 x^7 + 9843 x^6 + 12750 x^4 + 2756 x^3 + 1030 x + 206)$$

Sequence: A081916
Score: 6.57340
Type of gen. func.: ogf

$$- \frac{(-1 + 4 x) (31 x^2 - 11 x + 1)}{(5 x - 1)^4}$$

Sequence: A081916
Score: 9.76346
Type of gen. func.: lgdogf

$$- \frac{620 x^3 - 378 x^2 + 75 x - 5}{(5 x - 1) (-1 + 4 x) (31 x^2 - 11 x + 1)}$$

Sequence: A081919
Score: 25.0481
Type of gen. func.: lgdegf]

$$\frac{x^2 - x - 1}{(x - 1) (x + 1)}$$

Sequence: A081919
Score: 3.12909
Type of gen. func.: ogf

$\{(n^2 + 5 n + 6) a(n + 1) + (-n^2 - 6 n - 9) a(n + 2) + a(n + 4) - a(n + 3),$

$a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 4\}$

Sequence: A081920
Score: 23.8487
Type of gen. func.: lgdegf]

$$\frac{2 x^2 - x - 2}{(x - 1) (x + 1)}$$

Sequence: A081920
Score: 3.19425
Type of gen. func.: ogf

$\{(2 n^2 + 10 n + 12) a(n + 1) + (-n^2 - 6 n - 9) a(n + 2) + a(n + 4) - 2 a(n + 3)$

$, a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 14\}$

Sequence: A081921
Score: 22.4680
Type of gen. func.: lgdegf]

$$\frac{3 x^2 - x - 3}{(x - 1) (x + 1)}$$

Sequence: A081922
Score: 23.9658
Type of gen. func.: lgdegf]

$$4 + x - 4 x^2 + (x^2 - 1) f(x)$$

Sequence: A081922
Score: 3.06085
Type of gen. func.: ogf

$\{(-4 n^2 - 20 n - 24) a(n + 1) + (n^2 + 6 n + 9) a(n + 2) - a(n + 4) + 4 a(n + 3)$

, a(0) = 1, a(1) = 4, a(2) = 17, a(3) = 76}

Sequence: A081923
Score: 3.96954
Type of gen. func.: ogf

{(-2 n - 4) a(n + 1) + (n + 6) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 4,

a(2) = 18}

Sequence: A081923
Score: 30.8300
Type of gen. func.: lgdegf]

$$-4 + 2 x + (1 - x) f(x)$$

Sequence: A081924
Score: 31.8692
Type of gen. func.: lgdegf]

$$-5 + 3 x + (1 - x) f(x)$$

Sequence: A081924
Score: 4.10041
Type of gen. func.: ogf

{(-3 n - 6) a(n + 1) + (n + 7) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 5,

a(2) = 27}

Sequence: A081929
Score: 8.68742
Type of gen. func.: ogf

$$\frac{900 x^{12} - 1080 x^{11} - x^{2} - 19 x - 1}{(x - 1)^{3}}$$

Sequence: A081929

Score: 8.72145
Type of gen. func.: lgdogf

$$\frac{8100 x^{12} - 19440 x^{11} + 11880 x^{10} + x^{2} + 40 x + 22}{(x - 1) (900 x^{12} - 1080 x^{11} - x^{2} - 19 x - 1)}$$

Sequence: A081956
Score: 18.3016
Type of gen. func.: revogf

$$- \frac{-2 - 5 x + (x^{2} + 20 x + 4)^{1/2}}{12 x}$$

Sequence: A081956
Score: 19.8010
Type of gen. func.: ogf

$$\frac{2}{(3 x - 1) (2 x - 1)}$$

Sequence: A081956
Score: 24.6368
Type of gen. func.: lgdogf

$$- \frac{-5 + 12 x}{(3 x - 1) (2 x - 1)}$$

Sequence: A081956
Score: 7.87267
Type of gen. func.: ogf

$$(13 f(x) + 24) (6 f(x) x^{2} - 5 f(x) x + f(x) - 2)$$

Sequence: A081956
Score: 7.87269
Type of gen. func.: ogf

$\{-a(n + 2) + 5 a(n + 1) - 6 a(n), a(0) = 2, a(1) = 10\}$

Sequence: A082010
Score: 6.81739
Type of gen. func.: ogf

$$\frac{x (x^2 + x + 1) (x^8 + 2 x^6 - x^5 + 2 x^4 + 2 x^2 - x + 2)}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A082028
Score: 23.8232
Type of gen. func.: lgdegf]

$$\frac{x^2 - x - 4}{(x - 1) (x + 1)}$$

Sequence: A082029
Score: 22.3287
Type of gen. func.: lgdegf]

$$\frac{2 x^2 - x - 5}{(x - 1) (x + 1)}$$

Sequence: A082030
Score: 36.1185
Type of gen. func.: lgdegf]

$$-4 + x + (1 - x) f(x)$$

Sequence: A082030
Score: 4.10041
Type of gen. func.: ogf

$\{(-n - 2) a(n + 1) + (n + 6) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 4, a(2) = 19$

$\}$

```
------------------------------------------------------------------------------

Sequence:  A082031
Score: 32.7352
Type of gen. func.: lgdegf]


                            -5 + 2 x + (1 - x) f(x)



------------------------------------------------------------------------------

Sequence:  A082031
Score: 4.20946
Type of gen. func.: ogf


{(-2 n - 4) a(n + 1) + (n + 7) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 5,

    a(2) = 28}



------------------------------------------------------------------------------

Sequence:  A082032
Score: 28.5995
Type of gen. func.: lgdegf]


                           -4 + 4 x + (1 - 2 x) f(x)



------------------------------------------------------------------------------

Sequence:  A082032
Score: 4.11075
Type of gen. func.: ogf


{(-4 n - 8) a(n + 1) + (2 n + 8) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 4,

    a(2) = 20}



------------------------------------------------------------------------------

Sequence:  A082033
Score: 13.3809
Type of gen. func.: egf]


                                       2 x + 1
                                       --------
                                              2
                                       (x - 1)



------------------------------------------------------------------------------

Sequence:  A082033
Score: 26.8254
Type of gen. func.: lgdegf]


                                       2 (x + 2)
                                 - -----------------
```

$$(2 x + 1) (x - 1)$$

Sequence: A082033
Score: 3.52130
Type of gen. func.: ogf

$$\{(-4 n^2 - 16 n - 16) a(n + 1) + (-3 n^2 - 17 n - 34) a(n + 2)$$
$$+ (3 n + 9) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 14\}$$

Sequence: A082033
Score: 7.08403
Type of gen. func.: egf]

$$(3 f(x) + 5) (f(x) x^2 - 2 f(x) x + f(x) - 2 x - 1)$$

Sequence: A082034
Score: 13.3809
Type of gen. func.: egf]

$$\frac{3 x + 1}{(x - 1)^2}$$

Sequence: A082034
Score: 26.8254
Type of gen. func.: lgdegf]

$$- \frac{3 x + 5}{(3 x + 1) (x - 1)}$$

Sequence: A082034
Score: 3.50083
Type of gen. func.: ogf

$$\{(-9 n^2 - 36 n - 36) a(n + 1) + (-4 n^2 - 19 n - 42) a(n + 2)$$
$$+ (4 n + 12) a(n + 3), a(0) = 1, a(1) = 5, a(2) = 18\}$$

Sequence: A082034
Score: 7.00165
Type of gen. func.: egf]

$$(8 f(x) + 17) (f(x) x^2 - 2 f(x) x + f(x) - 3 x - 1)$$

Sequence: A082035
Score: 16.3206
Type of gen. func.: lgdegf]

$$-\frac{3 x^2 + 14 x + 7}{(x - 1) (3 x + 1) (x + 1)}$$

Sequence: A082035
Score: 4.81817
Type of gen. func.: egf]

$$-(1528 f(x) - 4615) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) + 4 x + 1)$$

Sequence: A082035
Score: 9.55736
Type of gen. func.: egf]

$$-\frac{(x + 1) (3 x + 1)}{(x - 1)^3}$$

Sequence: A082036
Score: 4.44673
Type of gen. func.: egf]

$$(372 f(x) - 2407) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 7 x^2 - f(x) + 10 x + 1)$$

Sequence: A082036
Score: 8.39140
Type of gen. func.: egf]

$$-\frac{7 x^2 + 10 x + 1}{(x - 1)^3}$$

Sequence: A082040
Score: 12.8002
Type of gen. func.: ogf

$$-\frac{7 x^2 + 10 x + 1}{(x - 1)^3}$$

Sequence: A082040
Score: 21.0424
Type of gen. func.: lgdogf

$$-\frac{7 x^2 + 34 x + 13}{(x - 1) (7 x^2 + 10 x + 1)}$$

Sequence: A082040
Score: 6.78302
Type of gen. func.: ogf

$$(372 f(x) - 2407) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 7 x^2 - f(x) + 10 x + 1)$$

Sequence: A082040
Score: 6.96152
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 13, a(2) = 43\}$$

Sequence: A082041
Score: 12.0620
Type of gen. func.: ogf

$$-\frac{13 x^2 + 18 x + 1}{}$$

$$(x - 1)^3$$

Sequence: A082041
Score: 19.1065
Type of gen. func.: lgdogf

$$- \frac{13 x^2 + 62 x + 21}{(x - 1) (13 x^2 + 18 x + 1)}$$

Sequence: A082041
Score: 6.33258
Type of gen. func.: ogf

$$(6768 f(x) - 77761) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 13 x^2 - f(x) + 18 x + 1)$$

Sequence: A082041
Score: 6.66587
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 21, a(2) = 73\}$$

Sequence: A082042
Score: 17.8629
Type of gen. func.: lgdegf]

$$- \frac{2 (x^2 + x + 1)}{(x - 1) (2 x^2 - x + 1)}$$

Sequence: A082042
Score: 4.8466
Type of gen. func.: egf]

$$(76 f(x) - 31) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x) - x + 1)$$

Sequence: A082042
Score: 8.97813
Type of gen. func.: egf]

$$-\frac{2x^2 - x + 1}{(x - 1)^3}$$

Sequence: A082044
Score: 11.3754
Type of gen. func.: lgdogf

$$-\frac{2(2x^4 + 13x^3 + 30x^2 + 13x + 2)}{(x - 1)(4x^4 + 5x^3 + 15x^2 - x + 1)}$$

Sequence: A082044
Score: 7.49351
Type of gen. func.: ogf

$$-\frac{4x^4 + 5x^3 + 15x^2 - x + 1}{(x - 1)^5}$$

Sequence: A082045
Score: 12.5707
Type of gen. func.: lgdogf

$$-\frac{2(4x^4 - x^3 + 9x^2 - x + 1)}{(x - 1)(4x^4 - 6x^3 + 9x^2 - 4x + 1)}$$

Sequence: A082045
Score: 6.90559
Type of gen. func.: ogf

$$\frac{4x^4 - 6x^3 + 9x^2 - 4x + 1}{(x - 1)^6}$$

Sequence: A082047
Score: 12.3502
Type of gen. func.: lgdogf

$$-\frac{2\,(5x^4-2x^3+8x^2+1)}{(x-1)\,(5x^4-8x^3+10x^2-4x+1)}$$

Sequence: A082047
Score: 6.83982
Type of gen. func.: ogf

$$\frac{5x^4-8x^3+10x^2-4x+1}{(x-1)^6}$$

Sequence: A082106
Score: 13.3070
Type of gen. func.: lgdogf

$$-\frac{6\,(x^2+3x+1)\,(x+1)^2}{(x-1)\,(6x^4+3x^3+13x^2+x+1)}$$

Sequence: A082106
Score: 7.49351
Type of gen. func.: ogf

$$-\frac{6x^4+3x^3+13x^2+x+1}{(x-1)^5}$$

Sequence: A082107
Score: 11.7327
Type of gen. func.: lgdogf

4 3 2

$$- \frac{2 (6 x - 3 x + 7 x + x + 1)}{(x - 1) (6 x^4 - 10 x^3 + 11 x^2 - 4 x + 1)}$$

Sequence: A082107
Score: 6.77529
Type of gen. func.: ogf

$$\frac{6 x^4 - 10 x^3 + 11 x^2 - 4 x + 1}{(x - 1)^6}$$

Sequence: A082108
Score: 13.2433
Type of gen. func.: ogf

$$\frac{x^2 - 8 x - 1}{(x - 1)^3}$$

Sequence: A082108
Score: 24.0160
Type of gen. func.: lgdogf

$$- \frac{x^2 - 14 x - 11}{(x - 1) (x^2 - 8 x - 1)}$$

Sequence: A082108
Score: 6.90464
Type of gen. func.: ogf

$$(1592 f(x) - 9557) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 8 x + 1)$$

Sequence: A082108
Score: 7.08634
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 11, a(2) = 29\}$

Sequence: A082109
Score: 13.0915
Type of gen. func.: ogf

$$\frac{3 x^2 - 10 x - 1}{(x - 1)^3}$$

Sequence: A082109
Score: 20.9568
Type of gen. func.: lgdogf

$$- \frac{3 x^2 - 14 x - 13}{(x - 1) (3 x^2 - 10 x - 1)}$$

Sequence: A082109
Score: 6.93737
Type of gen. func.: ogf

$$(248 f(x) - 2283) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 3 x^2 - f(x) + 10 x + 1)$$

Sequence: A082109
Score: 7.11993
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 13, a(2) = 33\}$

Sequence: A082111
Score: 13.6600
Type of gen. func.: ogf

$$\frac{3 x^2 - 4 x - 1}{(x - 1)^3}$$

Sequence: A082111
Score: 23.3603
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 2 x - 7}{(x - 1) (3 x^2 - 4 x - 1)}$$

Sequence: A082111
Score: 7.30931
Type of gen. func.: ogf

$$(41 f(x) - 591) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 3 x^2 - f(x) + 4 x + 1)$$

Sequence: A082111
Score: 7.37398
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 7, a(2) = 15\}$$

Sequence: A082112
Score: 13.1532
Type of gen. func.: ogf

$$\frac{5 x^2 - 12 x - 1}{(x - 1)^3}$$

Sequence: A082112
Score: 21.0575
Type of gen. func.: lgdogf

$$-\frac{5 x^2 - 14 x - 15}{(x - 1) (5 x^2 - 12 x - 1)}$$

Sequence: A082112
Score: 6.85295
Type of gen. func.: ogf

$$(2424 f(x) - 33455) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 5 x^2 - f(x) + 12 x + 1)$$

Sequence: A082112
Score: 7.15351
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 15, a(2) = 37\}$$

Sequence: A082113
Score: 11.3754
Type of gen. func.: lgdogf

$$- \frac{7 x^4 + 32 x^3 + 42 x^2 + 32 x + 7}{(x - 1) (7 x^4 + 2 x^3 + 12 x^2 + 2 x + 1)}$$

Sequence: A082113
Score: 7.49351
Type of gen. func.: ogf

$$- \frac{7 x^4 + 2 x^3 + 12 x^2 + 2 x + 1}{(x - 1)^5}$$

Sequence: A082114
Score: 11.3542
Type of gen. func.: lgdogf

$$- \frac{2 (7 x^4 - 4 x^3 + 6 x^2 + 2 x + 1)}{(x - 1) (7 x^4 - 12 x^3 + 12 x^2 - 4 x + 1)}$$

Sequence: A082114
Score: 6.77529
Type of gen. func.: ogf

$$\frac{7 x^4 - 12 x^3 + 12 x^2 - 4 x + 1}{(x - 1)^6}$$

Sequence: A082115
Score: 11.0150
Type of gen. func.: ogf

$$-\frac{x (x^6 + 2 x^5 + 2 x^4 + 2 x^2 + x + 1)}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A082115
Score: 7.72455
Type of gen. func.: lgdogf

$$- (2 x^{13} + 6 x^{12} + 8 x^{11} + 12 x^9 + 7 x^8 + 8 x^7 + 6 x^5 + 10 x^4 + 8 x^3 + 4 x + 1) / ((x - 1) (x + 1) (x^2 + 1) (x^6 + 2 x^5 + 2 x^4 + 2 x^2 + x + 1) (x^4 + 1))$$

Sequence: A082116
Score: 4.68456
Type of gen. func.: ogf

$$-\frac{x (x^{11} + 4 x^{10} + x^9 - 2 x^8 - x^7 + 3 x^6 - x^4 + 2 x^3 + x^2 + x + 1)}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (x^8 - x^6 + x^4 - x^2 + 1)}$$

Sequence: A082133
Score: 11.4179
Type of gen. func.: lgdogf

$$-\frac{2 (15 x^3 - 18 x^2 + 9 x - 2)}{(x - 1) (3 x - 1) (5 x^2 - 4 x + 1)}$$

Sequence: A082133
Score: 3.47348
Type of gen. func.: ogf

$$\{(3 n^2 + 15 n + 18) a(n + 1) + (-4 n^2 - 16 n - 12) a(n + 2)$$
$$+ (n^2 + 3 n + 2) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 4\}$$

Sequence: A082133
Score: 4.48763
Type of gen. func.: ogf

$$(48 f(x) + 13)$$
$$(9 f(x) x^4 - 24 f(x) x^3 + 22 f(x) x^2 - 5 x^3 - 8 f(x) x + 4 x^2 + f(x) - x)$$

Sequence: A082133
Score: 8.19741
Type of gen. func.: ogf

$$\frac{x (5 x^2 - 4 x + 1)}{(3 x - 1)^2 (x - 1)^2}$$

Sequence: A082134
Score: 10.2174
Type of gen. func.: lgdogf

$$- \frac{2 (80 x^3 - 72 x^2 + 24 x - 3)}{(-1 + 4 x) (2 x - 1) (10 x^2 - 6 x + 1)}$$

Sequence: A082134
Score: 3.40121
Type of gen. func.: ogf

$$\{(8 n^2 + 40 n + 48) a(n + 1) + (-6 n^2 - 24 n - 18) a(n + 2)$$
$$+ (n^2 + 3 n + 2) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 6\}$$

Sequence: A082134
Score: 4.30011
Type of gen. func.: ogf

$$(48 f(x) + 17) (64 f(x) x^{4} - 96 f(x) x^{3} + 52 f(x) x^{2} - 10 x^{3} - 12 f(x) x + 6 x^{2} + f(x) - x)$$

Sequence: A082134
Score: 7.71813
Type of gen. func.: ogf

$$\frac{x (10 x^{2} - 6 x + 1)}{(-1 + 4 x)^{2} (2 x - 1)^{2}}$$

Sequence: A082135
Score: 10.1638
Type of gen. func.: lgdogf

$$- \frac{2 (255 x^{3} - 180 x^{2} + 45 x - 4)}{(3 x - 1) (5 x - 1) (17 x^{2} - 8 x + 1)}$$

Sequence: A082135
Score: 4.11443
Type of gen. func.: ogf

$$\{a(n + 4) - 16 a(n + 3) + 94 a(n + 2) - 240 a(n + 1) + 225 a(n), a(0) = 0, a(1) = 1, a(2) = 8, a(3) = 51\}$$

Sequence: A082135
Score: 4.22872
Type of gen. func.: ogf

$$(480 f(x) + 229) (225 f(x) x^{4} - 240 f(x) x^{3} + 94 f(x) x^{2} - 17 x^{3} - 16 f(x) x$$

2

$$+ 8 x + f(x) - x)$$

Sequence: A082135
Score: 7.61169
Type of gen. func.: ogf

$$\frac{x (17 x^2 - 8 x + 1)}{(5 x - 1)^2 (3 x - 1)^2}$$

Sequence: A082136
Score: 3.95787
Type of gen. func.: ogf

$$\{a(n + 4) - 20 a(n + 3) + 148 a(n + 2) - 480 a(n + 1) + 576 a(n), a(0) = 0, a(1) = 1, a(2) = 10, a(3) = 78\}$$

Sequence: A082136
Score: 4.12279
Type of gen. func.: ogf

$$(48 f(x) + 29) (576 f(x) x^4 - 480 f(x) x^3 + 148 f(x) x^2 - 26 x^3 - 20 f(x) x + 10 x^2 + f(x) - x)$$

Sequence: A082136
Score: 7.24001
Type of gen. func.: ogf

$$\frac{x (26 x^2 - 10 x + 1)}{(6 x - 1)^2 (-1 + 4 x)^2}$$

Sequence: A082136
Score: 9.58275
Type of gen. func.: lgdogf

$$2 (624 x^3 - 360 x^2 + 72 x - 5)$$

$$-\frac{}{(6 x - 1) (-1 + 4 x) (26 x^2 - 10 x + 1)}$$

Sequence: A082138
Score: 17.6935
Type of gen. func.: lgdogf

$$-\frac{4}{(2 x - 1) (8 x^4 - 16 x^3 + 12 x^2 - 4 x + 1)}$$

Sequence: A082138
Score: 4.69544
Type of gen. func.: ogf

$$-f(x) (16 f(x) x^4 - 32 f(x) x^3 - 8 x^4 + 24 f(x) x^2 + 16 x^3 - 8 f(x) x - 12 x^2 + f(x) + 4 x - 1)$$

Sequence: A082138
Score: 7.14099
Type of gen. func.: ogf

$$\{(-2 n - 8) a(n) + (n + 1) a(n + 1), a(0) = 1, a(1) = 4\}$$

Sequence: A082138
Score: 7.61706
Type of gen. func.: ogf

$$\frac{8 x^4 - 16 x^3 + 12 x^2 - 4 x + 1}{(2 x - 1)^4}$$

Sequence: A082139
Score: 11.3586
Type of gen. func.: lgdogf

$$-\frac{6}{(2 x - 1) (2 x^2 - 2 x + 1) (16 x^4 - 32 x^3 + 20 x^2 - 4 x + 1)}$$

Sequence: A082139
Score: 4.74300
Type of gen. func.: ogf

$$\frac{(2 x^2 - 2 x + 1) (16 x^4 - 32 x^3 + 20 x^2 - 4 x + 1)}{(2 x - 1)^6}$$

Sequence: A082139
Score: 6.45439
Type of gen. func.: ogf

$$\{(-2 n - 12) a(n) + (n + 1) a(n + 1), a(0) = 1, a(1) = 6\}$$

Sequence: A082140
Score: 3.90419
Type of gen. func.: ogf

$$\frac{(x - 1) (64 x^6 - 160 x^5 + 176 x^4 - 104 x^3 + 36 x^2 - 6 x + 1)}{(2 x - 1)^7}$$

Sequence: A082140
Score: 6.23866
Type of gen. func.: ogf

$$\{(-2 n - 14) a(n) + (n + 1) a(n + 1), a(0) = 1, a(1) = 7\}$$

Sequence: A082140
Score: 9.55819
Type of gen. func.: lgdogf

$$\frac{7}{(x - 1) (2 x - 1) (64 x^6 - 160 x^5 + 176 x^4 - 104 x^3 + 36 x^2 - 6 x + 1)}$$

Sequence: A082141
Score: 3.46463
Type of gen. func.: ogf

$$\frac{128 x^8 - 512 x^7 + 896 x^6 - 896 x^5 + 560 x^4 - 224 x^3 + 56 x^2 - 8 x + 1}{(2 x - 1)^8}$$

Sequence: A082141
Score: 6.46493
Type of gen. func.: ogf

$$\{(-2 n - 16) a(n) + (n + 1) a(n + 1), a(0) = 1, a(1) = 8\}$$

Sequence: A082141
Score: 8.41858
Type of gen. func.: lgdogf

$$- 8/((2 x - 1) (128 x^8 - 512 x^7 + 896 x^6 - 896 x^5 + 560 x^4 - 224 x^3 + 56 x^2 - 8 x + 1))$$

Sequence: A082142
Score: 2.41683
Type of gen. func.: ogf

$$-8 f(x)^2 x + f(x)^2 + 8 f(x) x - f(x) - 2 x$$

Sequence: A082143
Score: 3.71084
Type of gen. func.: ogf

$$\{(-48 n^2 - 72 n) a(n) + (14 n^2 + 48 n + 40) a(n + 1) + (-n^2 - 5 n - 6) a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A082143
Score: 5.22891
Type of gen. func.: ogf

$$-32 f(x)^2 x^2 + 4 f(x)^2 x + 32 f(x) x^2 - 12 f(x) x - 8 x^2 + f(x) + 5 x - 1$$

Sequence: A082144
Score: 4.29535
Type of gen. func.: ogf

$$64 x^3 f(x)^2 - 8 f(x)^2 x^2 - 64 f(x) x^3 + 8 f(x) x^2 + 16 x^3 + 8 f(x) x - 2 x^2 - f(x) - 4 x + 1$$

Sequence: A082145
Score: 3.56635
Type of gen. func.: ogf

$$128 f(x)^2 x^4 - 16 x^3 f(x)^2 - 128 f(x) x^4 + 16 f(x) x^3 + 32 x^4 - 16 f(x) x^2 - 4 x^3 + 10 f(x) x + 8 x^2 - f(x) - 5 x + 1$$

Sequence: A082146
Score: 16.8852
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9 + x^5 + x^4 + x^3 + x^2 + x$$

Sequence: A082146
Score: 6.60528
Type of gen. func.: ogf

$$\frac{x^4 - x^3 + x^2 - x + 1}{(x^2 + 1) (x^2 - x + 1) (x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4}$$

Sequence: A082146
Score: 7.08673
Type of gen. func.: lgdogf

$$- x (10 x^{10} - 10 x^9 + 22 x^8 - 19 x^7 + 27 x^6 - 9 x^5 + 16 x^4 + x^3 + 7 x^2 + x + 2)$$

$$\Big/ \left((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^3 + x^2 - x + 1) (x^2 + 1)\right)$$

Sequence: A082147
Score: 31.2438
Type of gen. func.: revogf

$$\frac{x (8 x - 1)}{7 x - 1}$$

Sequence: A082147
Score: 9.69635
Type of gen. func.: lgdogf

$$- \frac{7 x - 1 + (49 x^2 - 18 x + 1)^{1/2}}{2 (49 x^2 - 18 x + 1)^{1/2} x}$$

Sequence: A082147
Score: 9.73162
Type of gen. func.: ogf

$$-8 f(x)^2 x + 7 f(x) x + f(x) - 1$$

Sequence: A082148
Score: 11.4337
Type of gen. func.: ogf

$$-10 f(x)^2 x + 9 f(x) x + f(x) - 1$$

Sequence: A082148
Score: 26.3024
Type of gen. func.: revogf

$$\frac{x (10 x - 1)}{9 x - 1}$$

Sequence: A082148
Score: 3.10417
Type of gen. func.: ogf

$$\{(729 n^2 + 729 n) a(n) + (-279 n^2 - 819 n - 540) a(n + 1) + (31 n^2 + 157 n + 192) a(n + 2) + (-n^2 - 7 n - 12) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 11\}$$

Sequence: A082148
Score: 9.06978
Type of gen. func.: lgdogf

$$-\frac{9 x - 1 + (81 x^2 - 22 x + 1)^{1/2}}{2 (81 x^2 - 22 x + 1)^{1/2} x}$$

Sequence: A082149
Score: 3.48862
Type of gen. func.: ogf

$$\{(-3 n^2 - 15 n - 18) a(n + 1) + (4 n^2 + 12 n) a(n + 2) + (-n^2 - n) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 6\}$$

Sequence: A082149
Score: 5.57556
Type of gen. func.: ogf

$$-\frac{x^2 (2 x - 1) (7 x^2 - 4 x + 1)}{(3 x - 1)^3 (x - 1)^3}$$

Sequence: A082149
Score: 9.08860
Type of gen. func.: lgdogf

$$-\frac{6\,(21\,x^4-30\,x^3+18\,x^2-6\,x+1)}{(x-1)\,(3\,x-1)\,(2\,x-1)\,(7\,x^2-4\,x+1)}$$

Sequence: A082150
Score: 3.36321
Type of gen. func.: ogf

$$\{(8\,n^2+40\,n+48)\,a(n+1)+(-6\,n^2-18\,n)\,a(n+2)+(n^2+n)\,a(n+3),$$

$$a(0)=0,\ a(1)=0,\ a(2)=1,\ a(3)=9\}$$

Sequence: A082150
Score: 5.18978
Type of gen. func.: ogf

$$-\frac{x^2\,(3\,x-1)\,(12\,x^2-6\,x+1)}{(-1+4\,x)^3\,(2\,x-1)^3}$$

Sequence: A082150
Score: 7.83873
Type of gen. func.: lgdogf

$$-\frac{3\,(288\,x^4-320\,x^3+144\,x^2-32\,x+3)}{(3\,x-1)\,(2\,x-1)\,(-1+4\,x)\,(12\,x^2-6\,x+1)}$$

Sequence: A082151
Score: 4.07352
Type of gen. func.: ogf

$$\{(15\,n^2+75\,n+90)\,a(n+1)+(-8\,n^2-24\,n)\,a(n+2)+(n^2+n)\,a(n+3),$$

$$a(0)=0,\ a(1)=0,\ a(2)=1,\ a(3)=12\}$$

Sequence: A082151
Score: 6.19587
Type of gen. func.: ogf

$$-\frac{x^2 (-1 + 4 x) (19 x^2 - 8 x + 1)}{(5 x - 1)^3 (3 x - 1)^3}$$

Sequence: A082151
Score: 7.99549
Type of gen. func.: lgdogf

$$-\frac{12 (285 x^4 - 255 x^3 + 90 x^2 - 15 x + 1)}{(-1 + 4 x) (3 x - 1) (5 x - 1) (19 x^2 - 8 x + 1)}$$

Sequence: A082173
Score: 25.7381
Type of gen. func.: revogf

$$\frac{x (-1 + 11 x)}{10 x - 1}$$

Sequence: A082173
Score: 8.86064
Type of gen. func.: lgdogf

$$-\frac{10 x - 1 + (100 x^2 - 24 x + 1)^{1/2}}{2 x (100 x^2 - 24 x + 1)^{1/2}}$$

Sequence: A082173
Score: 9.05018
Type of gen. func.: ogf

$$-11 f(x)^2 x + 10 f(x) x + f(x) - 1$$

Sequence: A082176
Score: 5.01303
Type of gen. func.: ogf

$$-\frac{103138 x^{2} (3633 x - 2)}{(1492 x - 1) (1770 x - 1) (1863 x - 1) (2141 x - 1)}$$

Sequence: A082177
Score: 5.57700
Type of gen. func.: ogf

$$-\frac{53 x^{2} (3633 x - 2)}{(1492 x - 1) (1770 x - 1) (1863 x - 1) (2141 x - 1)}$$

Sequence: A082178
Score: 5.32532
Type of gen. func.: ogf

$$-\frac{x^{2} (3633 x - 2)}{(1492 x - 1) (1770 x - 1) (1863 x - 1) (2141 x - 1)}$$

Sequence: A082181
Score: 26.9261
Type of gen. func.: revogf

$$\frac{x (9 x - 1)}{8 x - 1}$$

Sequence: A082181
Score: 8.86707
Type of gen. func.: ogf

$$-9 f(x)^{2} x + 8 f(x) x + f(x) - 1$$

Sequence: A082204
Score: 10.3260
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 1), a(0) = 1, a(1) = 2, a(2) = 2, a(3) = 3\}$$

Sequence: A082204
Score: 11.9433
Type of gen. func.: ogf

$$(2 f(x) + 1) (f(x) x^3 + 2 x^3 + 2 x^2 - f(x) + 2 x + 1)$$

Sequence: A082204
Score: 15.6883
Type of gen. func.: lgdogf

$$- \frac{2 x^4 + 4 x^3 + 9 x^2 + 4 x + 2}{(x - 1) (x^2 + x + 1) (2 x^3 + 2 x^2 + 2 x + 1)}$$

Sequence: A082204
Score: 17.3911
Type of gen. func.: ogf

$$- \frac{2 x^3 + 2 x^2 + 2 x + 1}{(x - 1) (x^2 + x + 1)}$$

Sequence: A082205
Score: 6.36960
Type of gen. func.: ogf

$$- \frac{2000 x^6 - 300 x^4 - 2222 x^3 - 232 x^2 - 22 x - 1}{(x - 1) (10 x - 1) (x^2 + x + 1) (100 x^2 + 10 x + 1)}$$

Sequence: A082206
Score: 11.0414
Type of gen. func.: ogf

$$- \frac{2 x^4 - 2 x^3 - 3 x^2 - 3 x - 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A082206
Score: 12.0823
Type of gen. func.: lgdogf

$$\frac{2 (3 x^4 + 3 x^3 + 8 x^2 + 5 x + 2)}{(x - 1) (x^2 + x + 1) (2 x^4 - 2 x^3 - 3 x^2 - 3 x - 1)}$$

Sequence: A082206
Score: 6.3924
Type of gen. func.: ogf

$$-(7 f(x) - 118)$$

$$(f(x) x^4 - f(x) x^3 + 2 x^4 - 2 x^3 - f(x) x - 3 x^2 + f(x) - 3 x - 1)$$

Sequence: A082209
Score: 12.1518
Type of gen. func.: ogf

$$- \frac{504 x^5 + 61 x^4 + 9 x^3 + 4 x^2 + 6 x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A082210
Score: 10.7636
Type of gen. func.: ogf

$$- \frac{70 x^6 + 248 x^5 + 31 x^4 + 7 x^3 + 8 x^2 + 4 x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A082242
Score: 2.07402
Type of gen. func.: ogf

$$(10350289045512 + 1010101 f(x))$$

$${}^{2} \qquad\qquad {}^{2}$$

```
    (f(x) x  - 2 f(x) x + 5057252 x  + f(x) - 9094200 x - 3456)



------------------------------------------------------------------------------

Sequence:  A082242
Score: 3.87353
Type of gen. func.: ogf


                                     2
                         4 (1264313 x  - 2273550 x - 864)
                       - --------------------------------
                                                2
                                     (x - 1)



------------------------------------------------------------------------------

Sequence:  A082249
Score: 4.10793
Type of gen. func.: ogf


-(f(x) - 22212019181716)

           2
    (f(x) x  - 2 f(x) x + f(x) + 15141312111009 x - 22212019181716)



------------------------------------------------------------------------------

Sequence:  A082250
Score: 4.04236
Type of gen. func.: ogf


-(f(x) - 3173145597388)

           2
    (f(x) x  - 2 f(x) x + f(x) + 2163044587287 x - 3173145597388)



------------------------------------------------------------------------------

Sequence:  A082253
Score: 2.99032
Type of gen. func.: ogf


                             3              2
                  121280400 x  - 222157188 x  - 130844 x - 2469
                - ---------------------------------------------
                                                   2
                                    (x - 1)



------------------------------------------------------------------------------

Sequence:  A082255
Score: 3.47527
Type of gen. func.: ogf


                            2                              2
(-7098637639 + f(x)) (f(x) x  - 2 f(x) x + 63251752500000 x  + f(x)
     - 164254754872462 x - 7098637639)



------------------------------------------------------------------------------

Sequence:  A082256
Score: 2.25084
Type of gen. func.: ogf


                                                                   2
(63109031462162001830064561878081 + 10101010101010101 f(x)) (f(x) x  - 2 f(x) x

                         2
     + 1133671153623780 x  + f(x) - 11234681240916460 x - 13717421)



------------------------------------------------------------------------------

Sequence:  A082274
Score: 5.71438
Type of gen. func.: ogf


               8      7      6      5      4      3      2
           70 x  - 8 x  - 9 x  - 9 x  - 9 x  - 9 x  - 9 x  - 9 x + 1
           ---------------------------------------------------------
                             (x - 1) (10 x - 1)



------------------------------------------------------------------------------

Sequence:  A082285
Score: 18.0389
Type of gen. func.: ogf


                                    3 x + 13
                                    --------
                                           2
                                    (x - 1)



------------------------------------------------------------------------------

Sequence:  A082285
Score: 21.4187
Type of gen. func.: revogf


                                                   1/2
                           -13 - 2 x + (169 + 64 x)
                         - ---------------------------
                                   2 (-3 + x)



------------------------------------------------------------------------------

Sequence:  A082285
Score: 33.9129
Type of gen. func.: lgdogf


                                     29 + 3 x
                              - ------------------
```

$$(3 x + 13) (x - 1)$$

Sequence: A082285
Score: 9.32349
Type of gen. func.: ogf

$$(32 f(x) + 425) (f(x) x^2 - 2 f(x) x + f(x) - 3 x - 13)$$

Sequence: A082285
Score: 9.87846
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 13, a(1) = 29\}$$

Sequence: A082286
Score: 18.1252
Type of gen. func.: ogf

$$\frac{2 (4 x + 5)}{(x - 1)^2}$$

Sequence: A082286
Score: 28.2027
Type of gen. func.: revogf

$$- \frac{-5 - x + (25 + 18 x)^{1/2}}{x - 8}$$

Sequence: A082286
Score: 34.0783
Type of gen. func.: lgdogf

$$- \frac{2 (7 + 2 x)}{(4 x + 5) (x - 1)}$$

Sequence: A082286

Score: 9.47456
Type of gen. func.: ogf

$$(9 f(x) + 106) (f(x) x^2 - 2 f(x) x + f(x) - 8 x - 10)$$

Sequence: A082286
Score: 9.92573
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 10, a(1) = 28\}$$

Sequence: A082289
Score: 10.7019
Type of gen. func.: ogf

$$- \frac{x + 2}{(x + 1) (x - 1)^5}$$

Sequence: A082289
Score: 21.9358
Type of gen. func.: lgdogf

$$- \frac{5 x^2 + 16 x + 9}{(x - 1) (x + 2) (x + 1)}$$

Sequence: A082289
Score: 3.71071
Type of gen. func.: ogf

$$\{(-2 n - 8) a(n + 4) + (6 - n) a(n + 3) + (20 + 2 n) a(n + 2)$$

$$+ (n + 6) a(n + 1), a(0) = 2, a(1) = 9, a(2) = 26, a(3) = 59\}$$

Sequence: A082290
Score: 12.2516
Type of gen. func.: lgdogf

$$- \frac{9 x^5 + 11 x^4 + 19 x^3 + 9 x^2 + 10 x + 2}{}$$

$$(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1)$$

Sequence: A082290
Score: 24.4549
Type of gen. func.: ogf_with_Euler_transform]

$$x^3 - x^2 + 3 x + 2$$

Sequence: A082290
Score: 6.39112
Type of gen. func.: ogf

$$- \frac{x^2 + x + 1}{(x^2 + 1) (x + 1)^4 (x - 1)^5}$$

Sequence: A082291
Score: 4.51737
Type of gen. func.: ogf

$$-(2409176 f(x) - 479187) (f(x) x^3 - 7 f(x) x^2 + 7 f(x) x - x^2 - f(x) + 5 x + 2)$$

Sequence: A082291
Score: 4.94947
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) - 7 a(n + 1) + a(n), a(0) = 2, a(1) = 19, a(2) = 118\}$$

Sequence: A082291
Score: 9.33097
Type of gen. func.: ogf

$$\frac{x^2 - 5 x - 2}{(x - 1) (x^2 - 6 x + 1)}$$

Sequence: A082291
Score: 9.44417
Type of gen. func.: lgdogf

$$-\frac{x^4 - 10 x^3 + 22 x^2 + 30 x - 19}{(x - 1) (x^2 - 6 x + 1) (x^2 - 5 x - 2)}$$

Sequence: A082296
Score: 13.2556
Type of gen. func.: ogf

$$\frac{2 (x^2 + 4 x + 6)}{(x + 1) (x - 1)^2}$$

Sequence: A082296
Score: 18.3175
Type of gen. func.: lgdogf

$$-\frac{x^3 + 9 x^2 + 24 x + 10}{(x - 1) (x + 1) (x^2 + 4 x + 6)}$$

Sequence: A082296
Score: 6.68171
Type of gen. func.: ogf

$$-(715 f(x) - 102274) (f(x) x^3 - f(x) x^2 - f(x) x - 2 x^2 + f(x) - 8 x - 12)$$

Sequence: A082296
Score: 7.14652
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 12, a(1) = 20, a(2) = 34\}$$

Sequence: A082298
Score: 10.7332

Type of gen. func.: ogf

$$-f(x)^2 x - 3 f(x) x + f(x) - 1$$

Sequence: A082298
Score: 38.8176
Type of gen. func.: revogf

$$-\frac{x (x - 1)}{3 x + 1}$$

Sequence: A082298
Score: 9.41033
Type of gen. func.: lgdogf

$$-\frac{3 x + 1 + (x - 1)^{1/2} (9 x - 1)^{1/2}}{2 (x - 1)^{1/2} (9 x - 1)^{1/2} x}$$

Sequence: A082301
Score: 10.0027
Type of gen. func.: lgdogf

$$-\frac{-4 x - 1 + (16 x^2 - 12 x + 1)^{1/2}}{2 x (16 x^2 - 12 x + 1)^{1/2}}$$

Sequence: A082301
Score: 10.2058
Type of gen. func.: ogf

$$-f(x)^2 x - 4 f(x) x + f(x) - 1$$

Sequence: A082301
Score: 36.8849
Type of gen. func.: revogf

$$x (x - 1)$$

$$-\frac{\qquad}{1 + 4 x}$$

Sequence: A082302
Score: 34.9652
Type of gen. func.: revogf

$$-\frac{x (x - 1)}{1 + 5 x}$$

Sequence: A082302
Score: 9.48209
Type of gen. func.: lgdogf

$$-\frac{-5 x - 1 + (25 x^{2} - 14 x + 1)^{1/2}}{2 (25 x^{2} - 14 x + 1)^{1/2} x}$$

Sequence: A082302
Score: 9.68171
Type of gen. func.: ogf

$$-f(x)^{2} x - 5 f(x) x + f(x) - 1$$

Sequence: A082303
Score: 15.0168
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{2} + x + 1}{-x^{4} + 1}$$

Sequence: A082304
Score: 17.4019
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^{2} + 2 x + 2}{4}$$

$$-x + 1$$

Sequence: A082305
Score: 31.9747
Type of gen. func.: revogf

$$-\frac{x (x - 1)}{1 + 6 x}$$

Sequence: A082305
Score: 8.67111
Type of gen. func.: lgdogf

$$-\frac{-6 x - 1 + (36 x^2 - 16 x + 1)^{1/2}}{2 x (36 x^2 - 16 x + 1)^{1/2}}$$

Sequence: A082305
Score: 8.86707
Type of gen. func.: ogf

$$-f(x)^2 x - 6 f(x) x + f(x) - 1$$

Sequence: A082306
Score: 4.45164
Type of gen. func.: ogf

$$(66 f(x) + 73) ($$

$$9 f(x) x^4 - 24 f(x) x^3 + 22 f(x) x^2 + x^3 - 8 f(x) x - 7 x^2 + f(x) + 5 x - 1$$

$$)$$

Sequence: A082306
Score: 7.94534
Type of gen. func.: ogf

$$-\frac{x^3 - 7 x^2 + 5 x - 1}{{}^{2} \qquad {}^{2}}$$

$$(3 x - 1) (x - 1)$$

Sequence: A082306
Score: 9.91623
Type of gen. func.: lgdogf

$$-\frac{3 x^4 - 38 x^3 + 42 x^2 - 18 x + 3}{(x - 1) (3 x - 1) (x^3 - 7 x^2 + 5 x - 1)}$$

Sequence: A082307
Score: 4.18066
Type of gen. func.: ogf

$$(176 f(x) + 585) (64 f(x) x^4 - 96 f(x) x^3 + 52 f(x) x^2 + 14 x^3 - 12 f(x) x - 20 x^2 + f(x) + 8 x - 1)$$

Sequence: A082307
Score: 7.40429
Type of gen. func.: ogf

$$-\frac{14 x^3 - 20 x^2 + 8 x - 1}{(-1 + 4 x)^2 (2 x - 1)^2}$$

Sequence: A082307
Score: 8.24677
Type of gen. func.: lgdogf

$$-\frac{2 (56 x^4 - 118 x^3 + 75 x^2 - 20 x + 2)}{(2 x - 1) (-1 + 4 x) (14 x^3 - 20 x^2 + 8 x - 1)}$$

Sequence: A082308
Score: 3.58749
Type of gen. func.: ogf

$$-(4530 f(x) + 22369) (225 f(x) x^4 - 240 f(x) x^3 + 94 f(x) x^2 + 43 x^3 - 16 f(x) x - 39 x^2 + f(x) + 11 x - 1)$$

Sequence: A082308
Score: 3.73004
Type of gen. func.: ogf

$$\{-a(n + 4) + 16 a(n + 3) - 94 a(n + 2) + 240 a(n + 1) - 225 a(n), a(0) = 1, a(1) = 5, a(2) = 25, a(3) = 127\}$$

Sequence: A082308
Score: 6.54926
Type of gen. func.: ogf

$$-\frac{43 x^3 - 39 x^2 + 11 x - 1}{(5 x - 1)^2 (3 x - 1)^2}$$

Sequence: A082308
Score: 7.54874
Type of gen. func.: lgdogf

$$-\frac{645 x^4 - 826 x^3 + 366 x^2 - 70 x + 5}{(3 x - 1) (5 x - 1) (43 x^3 - 39 x^2 + 11 x - 1)}$$

Sequence: A082309
Score: 3.97369
Type of gen. func.: ogf

$$(4848 f(x) + 30001) (576 f(x) x^4 - 480 f(x) x^3 + 148 f(x) x^2 + 94 x^3 - 20 f(x) x - 64 x^2 + f(x) + 14 x - 1)$$

Sequence: A082309
Score: 4.02598
Type of gen. func.: ogf

$$\{-a(n + 4) + 20 a(n + 3) - 148 a(n + 2) + 480 a(n + 1) - 576 a(n), a(0) = 1, a(1) = 6, a(2) = 36, a(3) = 218\}$$

Sequence: A082309
Score: 7.03390
Type of gen. func.: ogf

$$-\frac{94 x^3 - 64 x^2 + 14 x - 1}{(6 x - 1)^2 (-1 + 4 x)^2}$$

Sequence: A082309
Score: 7.78923
Type of gen. func.: lgdogf

$$-\frac{2 (1128 x^4 - 1066 x^3 + 363 x^2 - 54 x + 3)}{(6 x - 1) (-1 + 4 x) (94 x^3 - 64 x^2 + 14 x - 1)}$$

Sequence: A082310
Score: 2.94819
Type of gen. func.: ogf

$$-8 f(x) x^2 - 7 f(x) x + f(x) - x$$

Sequence: A082310
Score: 4.70119
Type of gen. func.: ogf

$$-\frac{x}{(x + 1) (8 x - 1)}$$

Sequence: A082310
Score: 6.93704
Type of gen. func.: lgdogf

$$7 + 16 x$$

$$- \frac{}{(x + 1) (8 x - 1)}$$

Sequence: A082311
Score: 13.4475
Type of gen. func.: ogf

$$\frac{2 x - 1}{(x + 1) (8 x - 1)}$$

Sequence: A082311
Score: 14.1227
Type of gen. func.: revogf

$$\frac{-7 x - 1 + (81 x^2 + 6 x + 1)^{1/2}}{4 (-1 + 4 x)}$$

Sequence: A082311
Score: 15.6093
Type of gen. func.: lgdogf

$$- \frac{(1 + 4 x) (4 x - 5)}{(8 x - 1) (2 x - 1) (x + 1)}$$

Sequence: A082311
Score: 6.64987
Type of gen. func.: ogf

$$-(51 f(x) - 26) (8 f(x) x^2 + 7 f(x) x - f(x) - 2 x + 1)$$

Sequence: A082311
Score: 7.37972
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) + 8 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A082365

Score: 13.5141
Type of gen. func.: revogf

$$\frac{-7 x - 1 + ((3 x + 1) (27 x + 1))^{1/2}}{8 (2 x + 1)}$$

Sequence: A082365
Score: 13.7804
Type of gen. func.: ogf

$$-\frac{1 + 4 x}{(x + 1) (8 x - 1)}$$

Sequence: A082365
Score: 15.2033
Type of gen. func.: lgdogf

$$-\frac{32 x^2 + 16 x + 11}{(1 + 4 x) (8 x - 1) (x + 1)}$$

Sequence: A082365
Score: 7.12778
Type of gen. func.: ogf

$$(93 f(x) + 28) (8 f(x) x^2 + 7 f(x) x - f(x) + 4 x + 1)$$

Sequence: A082365
Score: 7.47128
Type of gen. func.: ogf

{a(n + 2) - 7 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 11}

Sequence: A082366
Score: 33.2393
Type of gen. func.: revogf

$$-\frac{x (x - 1)}{7 x + 1}$$

Sequence: A082366
Score: 9.21
Type of gen. func.: ogf

$$-f(x)^2 x - 7 f(x) x + f(x) - 1$$

Sequence: A082367
Score: 30.2799
Type of gen. func.: revogf

$$-\frac{x (x - 1)}{1 + 8 x}$$

Sequence: A082367
Score: 8.4036
Type of gen. func.: ogf

$$-f(x)^2 x - 8 f(x) x + f(x) - 1$$

Sequence: A082368
Score: 3.98481
Type of gen. func.: ogf

$$\{(-256 n^3 - 1920 n^2 - 4784 n - 3960) a(n + 1) + (n^3 + 9 n^2 + 27 n + 27) a(n + 2), a(0) = 1, a(1) = 105\}$$

Sequence: A082369
Score: 17.5546
Type of gen. func.: ogf

$$\frac{17 x + 13}{(x - 1)^2}$$

Sequence: A082369
Score: 20.2375
Type of gen. func.: revogf

$$-\frac{-13 - 2 x + (169 + 120 x)^{1/2}}{2 (-17 + x)}$$

Sequence: A082369
Score: 31.1346
Type of gen. func.: lgdogf

$$-\frac{43 + 17 x}{(17 x + 13) (x - 1)}$$

Sequence: A082369
Score: 9.06666
Type of gen. func.: ogf

$$(60 f(x) + 1069) (f(x) x^2 - 2 f(x) x + f(x) - 17 x - 13)$$

Sequence: A082369
Score: 9.82221
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 13, a(1) = 43\}$$

Sequence: A082383
Score: 10.8346
Type of gen. func.: ogf

$$\frac{x^2 + x - 1}{(2 x + 1) (2 x - 1) (x - 1)^2}$$

Sequence: A082383
Score: 12.2247
Type of gen. func.: lgdogf

4 3 2

$$-\frac{8 x + 12 x - 20 x + 5 x + 1}{(x - 1) (2 x + 1) (2 x - 1) (x^2 + x - 1)}$$

Sequence: A082383
Score: 3.81422
Type of gen. func.: ogf

$$\{(-4 n - 8) a(n + 1) + (4 n + 4) a(n + 2) + (n + 2) a(n + 3)$$

$$+ (-n - 1) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 3\}$$

Sequence: A082383
Score: 5.62097
Type of gen. func.: ogf

$$(184 f(x) - 165)$$

$$(4 f(x) x^4 - 8 f(x) x^3 + 3 f(x) x^2 + 2 f(x) x - x^2 - f(x) - x + 1)$$

Sequence: A082384
Score: 7.31744
Type of gen. func.: ogf

$$-\frac{4 x^4 - 12 x^3 + 14 x^2 - 3 x - 1}{(2 x + 1) (2 x - 1) (x - 1)^3}$$

Sequence: A082384
Score: 7.48178
Type of gen. func.: lgdogf

$$-\frac{2 (8 x^6 - 32 x^5 + 62 x^4 - 32 x^3 + 7 x^2 - 7 x + 3)}{(x - 1) (2 x + 1) (2 x - 1) (4 x^4 - 12 x^3 + 14 x^2 - 3 x - 1)}$$

Sequence: A082395
Score: 3.48752
Type of gen. func.: ogf

$$\{(3 n + 9) a(n + 1) + (-n - 3) a(n + 2) + (-3 n - 11) a(n + 3) + (n + 5) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 3\}$$

Sequence: A082395
Score: 6.08002
Type of gen. func.: ogf

$$-f(x)^2 x^4 + x^3 f(x)^2 + f(x)^2 x^2 - f(x)^2 x - f(x) x^2 + f(x) - 1$$

Sequence: A082398
Score: 5.75326
Type of gen. func.: ogf

$$-\frac{x^6 - 7 x^5 + 21 x^4 - 28 x^3 + 20 x^2 - 7 x + 1}{(x - 1) (x^2 - 3 x + 1)^2}$$

Sequence: A082398
Score: 5.92646
Type of gen. func.: lgdogf

$$\frac{x (x^7 - 11 x^6 + 45 x^5 - 104 x^4 + 136 x^3 - 96 x^2 + 36 x - 6)}{(x - 1) (x^2 - 3 x + 1) (x^6 - 7 x^5 + 21 x^4 - 28 x^3 + 20 x^2 - 7 x + 1)}$$

Sequence: A082405
Score: 11.0904
Type of gen. func.: revogf

$$-\frac{-3 - 17 x + (16 x + 3)^{1/2} (1 + 6 x)^{1/2} 3^{1/2}}{x}$$

Sequence: A082405
Score: 14.5196
Type of gen. func.: ogf

$$\frac{6 x}{}$$

$$x^2 - 34 x + 1$$

Sequence: A082405
Score: 23.6273
Type of gen. func.: lgdogf

$$- \frac{2 (-17 + x)}{x^2 - 34 x + 1}$$

Sequence: A082405
Score: 6.72860
Type of gen. func.: ogf

$$\{a(n + 2) - 34 a(n + 1) + a(n), a(0) = 0, a(1) = 6\}$$

Sequence: A082405
Score: 9.19575
Type of gen. func.: ogf

$$-f(x) x^2 + 34 f(x) x - f(x) + 6 x$$

Sequence: A082411
Score: 10.4448
Type of gen. func.: ogf

$$\frac{331045545867 x - 407389224418}{x^2 + x - 1}$$

Sequence: A082411
Score: 4.82623
Type of gen. func.: ogf

$$-(891122127387 f(x) - 357205195083209709476165)$$

$$(f(x) x^2 + f(x) x - f(x) - 331045545867 x + 407389224418)$$

Sequence: A082411
Score: 6.79420
Type of gen. func.: ogf

$$\{-a(n+2)+a(n+1)+a(n),\ a(0)=407389224418,\ a(1)=76343678551\}$$

Sequence: A082411
Score: 7.91345
Type of gen. func.: lgdogf

$$-\frac{331045545867\,x^{2}-814778448836\,x-76343678551}{(331045545867\,x-407389224418)\,(x^{2}+x-1)}$$

Sequence: A082412
Score: 14.3157
Type of gen. func.: ogf

$$-\frac{-1+4\,x}{(8\,x-1)\,(2\,x-1)}$$

Sequence: A082412
Score: 15.3642
Type of gen. func.: revogf

$$-\frac{-1-10\,x+(36\,x^{2}+4\,x+1)^{1/2}}{8\,(1+4\,x)}$$

Sequence: A082412
Score: 15.3642
Type of gen. func.: lgdogf

$$-\frac{2\,(32\,x^{2}-16\,x+3)}{(8\,x-1)\,(2\,x-1)\,(-1+4\,x)}$$

Sequence: A082412
Score: 7.31347
Type of gen. func.: ogf

$$-(85 f(x) - 4) (16 f(x) x^2 - 10 f(x) x + f(x) + 4 x - 1)$$

Sequence: A082412
Score: 8.00999
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 16 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A082413
Score: 13.5764
Type of gen. func.: ogf

$$-\frac{5 x - 1}{(9 x - 1) (3 x - 1)}$$

Sequence: A082413
Score: 14.2297
Type of gen. func.: revogf

$$-\frac{-1 - 12 x + (36 x^2 + 4 x + 1)^{1/2}}{2 (5 + 27 x)}$$

Sequence: A082413
Score: 14.9073
Type of gen. func.: lgdogf

$$-\frac{135 x^2 - 54 x + 7}{(3 x - 1) (9 x - 1) (5 x - 1)}$$

Sequence: A082413
Score: 6.86119
Type of gen. func.: ogf

$$-(30 f(x) + 19) (27 f(x) x^2 - 12 f(x) x + f(x) + 5 x - 1)$$

Sequence: A082413
Score: 7.59631
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 27 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A082414
Score: 13.6401
Type of gen. func.: ogf

$$-\frac{6 x - 1}{(10 x - 1) (-1 + 4 x)}$$

Sequence: A082414
Score: 14.2978
Type of gen. func.: revogf

$$-\frac{-1 - 14 x + (36 x^2 + 4 x + 1)^{1/2}}{4 (3 + 20 x)}$$

Sequence: A082414
Score: 14.2978
Type of gen. func.: lgdogf

$$-\frac{8 (30 x^2 - 10 x + 1)}{(6 x - 1) (-1 + 4 x) (10 x - 1)}$$

Sequence: A082414
Score: 6.89341
Type of gen. func.: ogf

$$-(41 f(x) + 23) (40 f(x) x^2 - 14 f(x) x + f(x) + 6 x - 1)$$

Sequence: A082414
Score: 7.63198
Type of gen. func.: ogf

$$\{a(n+2) - 14\,a(n+1) + 40\,a(n),\ a(0) = 1,\ a(1) = 8\}$$

Sequence: A082450
Score: 13.4669
Type of gen. func.: ogf

$$-\frac{5\,(2x^2 - 2x + 1)}{(x-1)^3}$$

Sequence: A082450
Score: 27.7616
Type of gen. func.: lgdogf

$$-\frac{2x^2 + 1}{(x-1)\,(2x^2 - 2x + 1)}$$

Sequence: A082450
Score: 7.50811
Type of gen. func.: ogf

$$(f(x) - 5)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 10\,x^2 - f(x) - 10\,x + 5)$$

Sequence: A082450
Score: 7.50812
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 5,\ a(1) = 5,\ a(2) = 10\}$$

Sequence: A082491
Score: 3.03416
Type of gen. func.: ogf

$$\{(-n^3 - 7\,n^2 - 16\,n - 12)\,a(n+1) + (-n^2 - 5\,n - 6)\,a(n+2) + a(n+3),$$
$$a(0) = 1,\ a(1) = 0,\ a(2) = 2\}$$

Sequence: A082505
Score: 10.6041
Type of gen. func.: ogf

$$-f(x)\,(2\,f(x)\,x + 4\,x^2 - f(x) + x)$$

Sequence: A082505
Score: 17.3287
Type of gen. func.: ogf

$$-\frac{x\,(1 + 4\,x)}{2\,x - 1}$$

Sequence: A082505
Score: 20.0023
Type of gen. func.: revogf

$$-x/4 - 1/8 + \frac{(4\,x^2 + 20\,x + 1)^{1/2}}{8}$$

Sequence: A082505
Score: 38.8933
Type of gen. func.: lgdogf

$$-\frac{6}{(1 + 4\,x)\,(2\,x - 1)}$$

Sequence: A082505
Score: 8.55996
Type of gen. func.: ogf

$$\{-a(n + 3) + 2\,a(n + 2),\ a(0) = 0,\ a(1) = 1,\ a(2) = 6\}$$

Sequence: A082507
Score: 5.83138
Type of gen. func.: ogf

4

$$\frac{x - 2 x + 2}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A082507
Score: 6.06775
Type of gen. func.: lgdogf

$$- \frac{x^3 (x^4 + x^3 + x^2 - 7 x + 12)}{(x - 1) (x + 1) (x^2 + 1) (x^4 - 2 x + 2)}$$

Sequence: A082530
Score: 6.69824
Type of gen. func.: ogf

$$- (9 x^{12} + 18 x^{11} + 34 x^{10} + 66 x^9 + 13 x^8 + 24 x^7 + 46 x^6 + 9 x^5 + 16 x^4 + 3 x^3 + 4 x^2 + 6 x + 1) / ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x^4 - x^2 + 1))$$

Sequence: A082541
Score: 14.9872
Type of gen. func.: ogf

$$-3 f(x) x + f(x) - 4 x - 1$$

Sequence: A082541
Score: 18.2278
Type of gen. func.: ogf

$$- \frac{1 + 4 x}{3 x - 1}$$

Sequence: A082541
Score: 18.8970
Type of gen. func.: revogf

$$-1/8-\frac{3x}{8}+\frac{(9x^2+22x+1)^{1/2}}{8}$$

Sequence: A082541
Score: 34.8102
Type of gen. func.: lgdogf

$$-\frac{7}{(1+4x)(3x-1)}$$

Sequence: A082541
Score: 9.36704
Type of gen. func.: ogf

$$\{a(n+2)-3a(n+1), a(0)=1, a(1)=7\}$$

Sequence: A082545
Score: 3.24072
Type of gen. func.: ogf

$$\{(4n^4+38n^3+128n^2+184n+96)a(n+1) + (-n^3-4n^2+4n+19)a(n+2)+(-n-3)a(n+3), a(0)=1, a(1)=3, a(2)=21\}$$

Sequence: A082545
Score: 8.11905
Type of gen. func.: lgdegf]

$$-3+12x+4x^2+(16x^3+12x^2-8x+1)f(x)+(16x^4-8x^3+x^2)f(x)^2$$

Sequence: A082556
Score: 28.2203
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{30}{1-x}$$

Sequence: A082557
Score: 28.6887
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{32}{1 - x}$$

Sequence: A082558
Score: 24.3458
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{48}{1 - x}$$

Sequence: A082559
Score: 26.2357
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{64}{1 - x}$$

Sequence: A082562
Score: 14.7980
Type of gen. func.: lgdogf

$$\frac{2 (x^5 - 3 x^4 + 2 x^3 + 2 x^2 + 1)}{(x - 1) (x^5 - x^4 - x^3 - x^2 + x - 1)}$$

Sequence: A082562
Score: 9.76019
Type of gen. func.: ogf

$$\frac{x^5 - x^4 - x^3 - x^2 + x - 1}{(x - 1)^3}$$

Sequence: A082564
Score: 13.1724
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^3+2x^2+3x+2}{-x^4+1}$$

Sequence: A082569
Score: 10.7394
Type of gen. func.: egf]

$$\frac{x^3-3x+6}{3(x-1)^2}$$

Sequence: A082569
Score: 17.9744
Type of gen. func.: lgdegf]

$$\frac{(-3+x)(x^2+3)}{(x-1)(x^3-3x+6)}$$

Sequence: A082569
Score: 6.12031
Type of gen. func.: egf]

$$(f(x)-2)(3f(x)x^2-x^3-6f(x)x+3f(x)+3x-6)$$

Sequence: A082574
Score: 17.0057
Type of gen. func.: ogf

$$\frac{1}{(x-1)(x^2+3x-1)}$$

Sequence: A082574
Score: 19.6151
Type of gen. func.: lgdogf

$$-\frac{(x + 2) (-2 + 3 x)}{(x - 1) (x^2 + 3 x - 1)}$$

Sequence: A082574
Score: 6.17020
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 2 a(n + 1) - a(n), a(0) = 1, a(1) = 4, a(2) = 14\}$$

Sequence: A082574
Score: 6.97233
Type of gen. func.: ogf

$$(69 f(x) - 5) (f(x) x^3 + 2 f(x) x^2 - 4 f(x) x + f(x) - 1)$$

Sequence: A082579
Score: 4.07627
Type of gen. func.: ogf

$$\{(n^3 + 3 n^2 + 2 n) a(n) + (-3 n^2 - 8 n - 4) a(n + 1) + (3 n + 7) a(n + 2)$$

$$- a(n + 3), a(0) = 1, a(1) = 1, a(2) = 5\}$$

Sequence: A082579
Score: 51.5394
Type of gen. func.: lgdegf]

$$-\frac{x + 1}{(x - 1)^3}$$

Sequence: A082582
Score: 11.757
Type of gen. func.: ogf

$$-f(x)^{2} x + f(x) x^{2} + f(x) - 1$$

Sequence: A082582
Score: 20.6120
Type of gen. func.: revogf

$$-\frac{-1 + (4 x^{3} - 4 x^{2} + 1)^{1/2}}{2 x}$$

Sequence: A082585
Score: 13.8117
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (x^{2} + 5 x - 1)}$$

Sequence: A082585
Score: 16.7910
Type of gen. func.: lgdogf

$$-\frac{3 x^{2} + 8 x - 6}{(x - 1) (x^{2} + 5 x - 1)}$$

Sequence: A082585
Score: 5.01134
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 4 a(n + 1) - a(n), a(0) = 1, a(1) = 6, a(2) = 32\}$$

Sequence: A082585
Score: 5.55178
Type of gen. func.: ogf

$$(763 f(x) - 15) (f(x) x^{3} + 4 f(x) x^{2} - 6 f(x) x + f(x) - 1)$$

Sequence: A082587
Score: 12.9999
Type of gen. func.: lgdogf

$$-\frac{2 x^6 + 2 x^5 + x^4 + 12 x^3 + 7 x^2 + 8 x + 1}{(2 x^3 + x^2 + x + 3) (x^4 + x^2 - 1)}$$

Sequence: A082587
Score: 13.2407
Type of gen. func.: ogf

$$-\frac{2 x^3 + x^2 + x + 3}{x^4 + x^2 - 1}$$

Sequence: A082587
Score: 8.35578
Type of gen. func.: ogf

$$(30 f(x) - 67) (f(x) x^4 + f(x) x^2 + 2 x^3 + x^2 - f(x) + x + 3)$$

Sequence: A082590
Score: 26.0648
Type of gen. func.: lgdogf

$$-\frac{4 (3 x - 1)}{(-1 + 4 x) (2 x - 1)}$$

Sequence: A082590
Score: 4.85521
Type of gen. func.: ogf

$\{(-n - 3) a(n + 3) + (16 + 6 n) a(n + 2) + (-20 - 8 n) a(n + 1), a(0) = 1,$

$a(1) = 4, a(2) = 14\}$

Sequence: A082590
Score: 8.94995
Type of gen. func.: ogf

$$16 x^3 f(x)^2 - 20 f(x)^2 x^2 + 8 f(x)^2 x - f(x)^2 + 1$$

Sequence: A082605
Score: 5.5943
Type of gen. func.: ogf

$$(2 f(x) - 7)$$

$$(4 f(x) x^3 + 2 x^4 - 4 f(x) x^2 - 2 x^3 - f(x) x + 6 x^2 + f(x) - x - 2)$$

Sequence: A082605
Score: 8.00705
Type of gen. func.: lgdogf

$$\frac{8 x^6 - 16 x^5 - 22 x^4 + 20 x^3 + 8 x^2 - 4 x - 3}{(x - 1) (2 x + 1) (2 x - 1) (2 x^4 - 2 x^3 + 6 x^2 - x - 2)}$$

Sequence: A082605
Score: 9.22697
Type of gen. func.: ogf

$$- \frac{2 x^4 - 2 x^3 + 6 x^2 - x - 2}{(2 x - 1) (2 x + 1) (x - 1)}$$

Sequence: A082630
Score: 10.4423
Type of gen. func.: ogf

$$\frac{(x + 1)^2}{x^4 - 4 x^2 + 1}$$

Sequence: A082630
Score: 14.1855
Type of gen. func.: lgdogf

$$-\frac{2\,(x^4 + 2\,x^3 - 4\,x - 1)}{(x + 1)\,(x^4 - 4\,x^2 + 1)}$$

Sequence: A082630
Score: 8.53284
Type of gen. func.: ogf

$$(142\,f(x) + 1)\,(f(x)\,x^4 - 4\,f(x)\,x^2 - x^2 + f(x) - 2\,x - 1)$$

Sequence: A082639
Score: 10.0950
Type of gen. func.: ogf

$$-\frac{2\,x\,(x + 1)}{(x - 1)\,(x^2 - 6\,x + 1)}$$

Sequence: A082639
Score: 12.8700
Type of gen. func.: lgdogf

$$-\frac{2\,(x^3 - 2\,x^2 - 7\,x + 4)}{(x - 1)\,(x + 1)\,(x^2 - 6\,x + 1)}$$

Sequence: A082639
Score: 5.13762
Type of gen. func.: ogf

$$\{a(n + 3) - 7\,a(n + 2) + 7\,a(n + 1) - a(n),\ a(0) = 0,\ a(1) = 2,\ a(2) = 16\}$$

Sequence: A082639
Score: 5.37771
Type of gen. func.: ogf

$$(4 f(x) + 1) (f(x) x^3 - 7 f(x) x^2 + 7 f(x) x + 2 x^2 - f(x) + 2 x)$$

Sequence: A082642
Score: 8.31776
Type of gen. func.: ogf

$$-\frac{x^6 - x^5 + 2 x^3 - x + 1}{(x^4 + x^3 + x^2 + x + 1) (x + 1) (x - 1)^3}$$

Sequence: A082642
Score: 8.68116
Type of gen. func.: lgdogf

$$-\frac{2 x (x^{10} + 5 x^7 + 6 x^6 + 2 x^5 + 4 x^4 + 4 x^3 + 4 x^2 + 3 x + 1)}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^6 - x^5 + 2 x^3 - x + 1)}$$

Sequence: A082643
Score: 10.9551
Type of gen. func.: lgdogf

$$-\frac{2 x^7 + 2 x^6 + 6 x^5 + 9 x^4 + 14 x^3 + 6 x^2 + 6 x + 3}{(x - 1) (x + 1) (x^2 + 1) (x^4 + x^2 + x + 1)}$$

Sequence: A082643
Score: 9.85984
Type of gen. func.: ogf

$$-\frac{x (x^4 + x^2 + x + 1)}{(x + 1) (x^2 + 1) (x - 1)^3}$$

Sequence: A082644
Score: 10.2291
Type of gen. func.: ogf

$$-\frac{x^2 (2 x^2 + x + 1)}{(x + 1) (x^2 + 1) (x - 1)^3}$$

Sequence: A082644
Score: 13.2527
Type of gen. func.: lgdogf

$$-\frac{8 x^5 + 9 x^4 + 12 x^3 + 8 x^2 + 8 x + 3}{(x - 1) (x + 1) (x^2 + 1) (2 x^2 + x + 1)}$$

Sequence: A082645
Score: 8.72824
Type of gen. func.: ogf

$$\frac{x^5 - 2 x^4 - x^3 - 2 x^2 - x + 1}{(x + 1) (x^2 + 1) (x - 1)^3}$$

Sequence: A082645
Score: 9.00516
Type of gen. func.: lgdogf

$$-\frac{x^8 - 2 x^7 - 5 x^6 - 12 x^5 - 10 x^4 - 10 x^3 - 7 x^2 - 4 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^5 - 2 x^4 - x^3 - 2 x^2 - x + 1)}$$

Sequence: A082651
Score: 11.3636
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 6 x + 1)}{(x^2 + 4 x - 1) (x^2 - 4 x - 1)}$$

Sequence: A082651
Score: 6.69641
Type of gen. func.: ogf

$$-(7106 f(x) + 1179) (f(x) x^4 - 18 f(x) x^2 - x^3 - 7 x^2 + f(x) - 7 x - 1)$$

Sequence: A082667
Score: 12.9427
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^5 + 3 x^4 + 4 x^3 + 6 x^2 + 2 x + 1)}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A082667
Score: 28.8590
Type of gen. func.: ogf_with_Euler_transform]

$$-x^3 + 2 x^2 + 2$$

Sequence: A082667
Score: 9.44394
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^2 + 1)}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A082679
Score: 4.20052
Type of gen. func.: ogf

$$(f(x) - 1)$$

$$(f(x) x^4 - 3 f(x) x^3 + x^4 + 6 f(x) x^2 - 2 x^3 - 5 f(x) x + 3 x^2 + f(x) - x)$$

Sequence: A082679
Score: 7.28272

Type of gen. func.: lgdogf

$$-\frac{x^6 - 4x^5 + 9x^4 - 12x^3 + 14x^2 - 8x + 2}{(x-1)(x^3 - 2x^2 + 3x - 1)(x^3 - 2x^2 + 4x - 1)}$$

Sequence: A082679
Score: 7.31202
Type of gen. func.: ogf

$$-\frac{x(x^3 - 2x^2 + 3x - 1)}{(x-1)(x^3 - 2x^2 + 4x - 1)}$$

Sequence: A082685
Score: 13.1033
Type of gen. func.: ogf

$$-\frac{3x - 1}{(5x-1)(2x-1)}$$

Sequence: A082685
Score: 13.7300
Type of gen. func.: lgdogf

$$-\frac{2(15x^2 - 10x + 2)}{(3x-1)(2x-1)(5x-1)}$$

Sequence: A082685
Score: 14.0569
Type of gen. func.: revogf

$$-\frac{-1 - 7x + (9x^2 + 2x + 1)^{1/2}}{2(3 + 10x)}$$

Sequence: A082685
Score: 6.55167

```
Type of gen. func.: ogf


                                      2
            -(41 f(x) + 23) (10 f(x) x  - 7 f(x) x + f(x) + 3 x - 1)



------------------------------------------------------------------------------

Sequence:  A082685
Score: 7.26208
Type of gen. func.: ogf


             {a(n + 2) - 7 a(n + 1) + 10 a(n), a(0) = 1, a(1) = 4}



------------------------------------------------------------------------------

Sequence:  A082724
Score: 11.6845
Type of gen. func.: ogf


                                     5 x - 1
                            - ---------------------
                              (-1 + 11 x) (3 x - 1)



------------------------------------------------------------------------------

Sequence:  A082724
Score: 12.2184
Type of gen. func.: revogf


                                          2           1/2
                         -1 - 14 x + (64 x  + 8 x + 1)
                       - --------------------------------
                                   2 (5 + 33 x)



------------------------------------------------------------------------------

Sequence:  A082724
Score: 12.5025
Type of gen. func.: lgdogf


                                     2
                              3 (55 x  - 22 x + 3)
                       - -------------------------------
                         (3 x - 1) (5 x - 1) (-1 + 11 x)



------------------------------------------------------------------------------

Sequence:  A082724
Score: 5.84224
Type of gen. func.: ogf


                                      2
           -(664 f(x) + 65) (33 f(x) x  - 14 f(x) x + f(x) + 5 x - 1)
```

Sequence: A082724
Score: 6.53774
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1) + 33 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A082742
Score: 14.4755
Type of gen. func.: ogf

$$-\frac{2 (x^4 - x^3 - x^2 + x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A082753
Score: 4.35929
Type of gen. func.: ogf

$$-\frac{x}{(x - 1) (2 x - 1)^2}$$

Sequence: A082753
Score: 7.10863
Type of gen. func.: lgdogf

$$-\frac{-5 + 6 x}{(2 x - 1) (x - 1)}$$

Sequence: A082759
Score: 6.90595
Type of gen. func.: ogf

$$3 f(x)^3 x^3 + 4 f(x)^3 x^2 + 20 f(x)^3 x - 4 f(x)^3 - 2 f(x) x + 3 f(x) + 1$$

Sequence: A082761
Score: 13.7380
Type of gen. func.: ogf

$$-\frac{2x-1}{4x^2-6x+1}$$

Sequence: A082761
Score: 14.4249
Type of gen. func.: revogf

$$-\frac{-1-6x+(20x^2+4x+1)^{1/2}}{4(2x+1)}$$

Sequence: A082761
Score: 15.9433
Type of gen. func.: lgdogf

$$-\frac{4(2x^2-2x+1)}{(2x-1)(4x^2-6x+1)}$$

Sequence: A082761
Score: 6.86898
Type of gen. func.: ogf

$$-(21 f(x)-5)(4 f(x) x^2-6 f(x) x+f(x)+2x-1)$$

Sequence: A082761
Score: 7.53912
Type of gen. func.: ogf

$$\{a(n+2)-6a(n+1)+4a(n),\ a(0)=1,\ a(1)=4\}$$

Sequence: A082762
Score: 15.6078
Type of gen. func.: ogf

$$\frac{2x+1}{{}^{2}}$$

$$4 x - 6 x + 1$$

Sequence: A082762
Score: 15.6775
Type of gen. func.: revogf

$$-\frac{-1 - 6 x + (20 x^2 + 20 x + 1)^{1/2}}{4 (2 x - 1)}$$

Sequence: A082762
Score: 19.7088
Type of gen. func.: lgdogf

$$-\frac{8 (x^2 + x - 1)}{(2 x + 1) (4 x^2 - 6 x + 1)}$$

Sequence: A082762
Score: 7.89158
Type of gen. func.: ogf

$$(105 f(x) + 151) (4 f(x) x^2 - 6 f(x) x + f(x) - 2 x - 1)$$

Sequence: A082762
Score: 8.56524
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A082764
Score: 12.4178
Type of gen. func.: ogf

$$-\frac{2 x - 1}{7 x^2 - 10 x + 1}$$

Sequence: A082764
Score: 12.7146
Type of gen. func.: revogf

$$-\frac{-1 - 10 x + (72 x^2 + 12 x + 1)^{1/2}}{2 (2 + 7 x)}$$

Sequence: A082764
Score: 14.3447
Type of gen. func.: lgdogf

$$-\frac{2 (7 x^2 - 7 x + 4)}{(2 x - 1) (7 x^2 - 10 x + 1)}$$

Sequence: A082764
Score: 6.27716
Type of gen. func.: ogf

$$-(33 f(x) - 1) (7 f(x) x^2 - 10 f(x) x + f(x) + 2 x - 1)$$

Sequence: A082764
Score: 6.88218
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 7 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A082766
Score: 11.2318
Type of gen. func.: lgdogf

$$\frac{(x + 1) (x^5 + 3 x^4 - 2 x^3 + 2 x^2 + 3 x + 1)}{(x^2 + 1) (x^2 - x - 1) (x^4 + 2 x^2 - 1)}$$

Sequence: A082766
Score: 11.8044
Type of gen. func.: ogf

$$\frac{(x^2+1)(x^2-x-1)}{x^4+2x^2-1}$$

Sequence: A082766
Score: 6.08958
Type of gen. func.: ogf

{a(n + 5) - 2 a(n + 3) - a(n + 1), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 3,

a(4) = 4}

Sequence: A082766
Score: 8.2504
Type of gen. func.: ogf

$$f(x)\,(f(x)\,x^4 - x^4 + 2\,f(x)\,x^2 + x^3 - f(x) + x + 1)$$

Sequence: A082784
Score: 18.1738
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A082784
Score: 20.0446
Type of gen. func.: lgdogf

$$-\frac{7\,x^6}{(x-1)(x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A082784
Score: 26.6559
Type of gen. func.: ogf_with_Euler_transform]

$$[x^6]$$

Sequence: A082787
Score: 5.48430
Type of gen. func.: ogf

$$\{(-27 n^3 - 189 n^2 - 438 n - 336) a(n + 1) + (n + 3) a(n + 2), a(0) = 2, a(1) = 60\}$$

Sequence: A082799
Score: 10.5930
Type of gen. func.: ogf

$$\frac{3 (3 x^4 + 6 x^3 + x^2 + 7 x + 4)}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A082799
Score: 9.62157
Type of gen. func.: lgdogf

$$- \frac{6 x^6 + 18 x^5 + 4 x^4 + 47 x^3 + 42 x^2 + 2 x + 7}{(x - 1) (x^2 + x + 1) (3 x^4 + 6 x^3 + x^2 + 7 x + 4)}$$

Sequence: A082800
Score: 6.76529
Type of gen. func.: lgdogf

$$- \frac{4 x^9 + 15 x^8 + 28 x^7 + 5 x^6 + 60 x^5 + 60 x^4 + 52 x^3 + 3 x^2 + 16 x + 5}{(x - 1) (x + 1) (x^2 + 1) (2 x^6 + 5 x^5 + 7 x^4 + x^3 + 8 x^2 + 5 x + 3)}$$

Sequence: A082800
Score: 8.73586
Type of gen. func.: ogf

$$\frac{4 (2 x^{6} + 5 x^{5} + 7 x^{4} + x^{3} + 8 x^{2} + 5 x + 3)}{(x^{2} + 1)^{2} (x - 1)^{2} (x + 1)^{2}}$$

Sequence: A082801
Score: 6.22351
Type of gen. func.: ogf

$$\frac{6 (x^{10} + 3 x^{9} + 5 x^{8} + 6 x^{7} + 8 x^{6} + x^{5} + 9 x^{4} + 7 x^{3} + 5 x^{2} + 4 x + 2)}{(x - 1)^{2} (x + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2}}$$

Sequence: A082802
Score: 5.56134
Type of gen. func.: ogf

$$7 (x^{12} + 2 x^{11} + 4 x^{10} + 5 x^{9} + 7 x^{8} + 8 x^{7} + x^{6} + 9 x^{5} + 8 x^{4} + 6 x^{3} + 5 x^{2} + 3 x + 2) \Big/ ((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A082803
Score: 4.93808
Type of gen. func.: ogf

$$8 (x^{14} + 2 x^{13} + 3 x^{12} + 5 x^{11} + 6 x^{10} + 7 x^{9} + 8 x^{8} + x^{7} + 9 x^{6} + 8 x^{5} + 7 x^{4} + 5 x^{3} + 4 x^{2} + 3 x + 2) \Big/ ((x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2} (x^{4} + 1)^{2})$$

Sequence: A082804
Score: 4.44466
Type of gen. func.: ogf

$$9 (x^{16} + 2 x^{15} + 3 x^{14} + 4 x^{13} + 5 x^{12} + 6 x^{11} + 7 x^{10} + 8 x^{9} + x^{8} + 9 x^{7} + 8 x^{6} + 7 x^{5} + 6 x^{4} + 5 x^{3} + 4 x^{2} + 3 x + 2) \Big/ ((x - 1)^{2} (x^{2} + x + 1)^{2} (x^{6} + x^{3} + 1)^{2})$$

Sequence: A082840
Score: 11.7505
Type of gen. func.: lgdogf

$$-\frac{2x^4 - 12x^3 + 23x^2 - 6x - 1}{(x - 1)(x^2 - 4x + 1)(2x^2 - 6x + 1)}$$

Sequence: A082840
Score: 11.9108
Type of gen. func.: ogf

$$\frac{2x^2 - 6x + 1}{(x - 1)(x^2 - 4x + 1)}$$

Sequence: A082840
Score: 6.10551
Type of gen. func.: ogf

$$-(229 f(x) - 131)(f(x) x^3 - 5 f(x) x^2 + 5 f(x) x - 2x^2 - f(x) + 6x - 1)$$

Sequence: A082840
Score: 6.48711
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 5 a(n + 1) + a(n), a(0) = -1, a(1) = 1, a(2) = 8\}$$

Sequence: A082841
Score: 14.4778
Type of gen. func.: ogf

$$-\frac{3(x - 1)}{x^2 - 4x + 1}$$

Sequence: A082841
Score: 15.5802
Type of gen. func.: revogf

$$-\frac{-4x-3+(12x^2+12x+9)^{1/2}}{2(x+3)}$$

Sequence: A082841
Score: 21.2929
Type of gen. func.: lgdogf

$$-\frac{x^2-2x+3}{(x-1)(x^2-4x+1)}$$

Sequence: A082841
Score: 7.08153
Type of gen. func.: ogf

$$-(112 f(x) - 93) (f(x) x^2 - 4 f(x) x + f(x) + 3 x - 3)$$

Sequence: A082841
Score: 7.94512
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + a(n), a(0) = 3, a(1) = 9\}$$

Sequence: A082873
Score: 5.22983
Type of gen. func.: ogf

$$-\frac{x^{10}-x^9+2x^8+x^7-x^6+2x^5-x^4+x^3+2x^2-x+1}{(x+1)(x^4-x^2+1)(x^2+x+1)(x^2-x+1)(x^2+1)(x-1)^3}$$

Sequence: A082874
Score: 4.69442
Type of gen. func.: ogf

$$\frac{x^{11} - x^{10} - x^{8} - x^{7} - 3 x^{6} - 2 x^{5} - 3 x^{4} - 3 x^{3} - 2 x^{2} - 2 x - 1}{(x + 1) (x^{2} - x + 1) (x^{2} + x + 1)^{2} (x - 1)^{3}}$$

Sequence: A082896
Score: 12.1409
Type of gen. func.: ogf

$$- \frac{x^{47} + x^{21} - x^{20} + x^{18} + x^{8} + 2}{x - 1}$$

Sequence: A082896
Score: 8.64555
Type of gen. func.: lgdogf

$$(46 x^{47} - 47 x^{46} + 20 x^{21} - 40 x^{20} + 20 x^{19} + 17 x^{18} - 18 x^{17} + 7 x^{8} - 8 x^{7} - 2) \Big/ ((x - 1) (x^{47} + x^{21} - x^{20} + x^{18} + x^{8} + 2))$$

Sequence: A082942
Score: 5.43929
Type of gen. func.: ogf

$$- \frac{70 x^{6} + 1125 x^{5} + 4595 x^{4} + 4490 x^{3} + 1188 x^{2} + 49 x + 3}{(x - 1)^{7}}$$

Sequence: A082958
Score: 4.39263
Type of gen. func.: ogf

$$-f(x) (f(x)^{2} x^{4} + x^{3} f(x)^{2} + f(x)^{2} x^{2} + f(x) x^{3} - f(x)^{2} x - f(x) x^{2} + f(x) x + x^{2} - f(x) + 1)$$

Sequence: A082962
Score: 6.86798
Type of gen. func.: lgdogf

$$-\frac{(x+1)(2x^8-11x^7+39x^6-41x^5+47x^4+37x^3+15x^2+12x+2)}{(x^6+12x^3-1)(x^4-3x^3+7x^2+2x+1)}$$

Sequence: A082962
Score: 9.11328
Type of gen. func.: ogf

$$-\frac{x(x^4-3x^3+7x^2+2x+1)}{x^6+12x^3-1}$$

Sequence: A082964
Score: 8.90858
Type of gen. func.: ogf

$$x(x^{19}+x^{16}+x^{13}+x^9+x^6+x^3+1) \Big/ ((x+1)$$

$$(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$$

$$(x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)(x-1)^2)$$

Sequence: A082966
Score: 4.29540
Type of gen. func.: ogf

$$\frac{x(x^8-x^7-4x^6-55x^5-56x^4-83x^3-28x^2-13x-1)}{(x+1)^4(x-1)^7}$$

Sequence: A082975
Score: 6.70036
Type of gen. func.: lgdogf

10 8 7 6 5 4 3 2

```
      x   + 3 x  + 16 x  + 15 x  + 6 x  + 125 x  + 72 x  + 39 x  + 20 x + 3
    - ---------------------------------------------------------------------
                    6       3        5    3       2
                  (x  + 12 x  - 1) (x  + x  + 10 x  + 3 x + 1)
```

Sequence: A082975
Score: 9.23839
Type of gen. func.: ogf

```
                              4      3      2
                             x  - 2 x  + 3 x  + x + 1
                           - ------------------------
                                   6      3
                                  x  + 12 x  - 1
```

Sequence: A082977
Score: 8.68165
Type of gen. func.: ogf

```
                               4            2
                         x (2 x  + x + 1) (x  + x + 1)
                   -----------------------------------------
                     6    5    4    3    2                 2
                   (x  + x  + x  + x  + x  + x + 1) (x - 1)
```

Sequence: A082981
Score: 7.43594
Type of gen. func.: lgdogf

```
           10      9      8      7      6      4       3      2
       2 (x   + 2 x  + 3 x  + 4 x  + 6 x  - 6 x  - 12 x  - 3 x  - 2 x - 1)
     - -------------------------------------------------------------------
                          2        4      2        4      2
                (x + 1) (x  + 1) (x  + 2 x  - 1) (x  - 2 x  - 1)
```

Sequence: A082981
Score: 8.60319
Type of gen. func.: ogf

```
                                     2   2     2
                              (x + 1)  (x  + 1)
                        -------------------------------
                          4      2        4      2
                        (x  + 2 x  - 1) (x  - 2 x  - 1)
```

Sequence: A082986
Score: 10.1234

Type of gen. func.: ogf

$$-\frac{6 (x + 1)^2}{(x - 1)^5}$$

Sequence: A082986
Score: 38.2623
Type of gen. func.: ogf_with_Euler_transform]

[7 - 2 x]

Sequence: A082986
Score: 5.91150
Type of gen. func.: ogf

{(-n - 3) a(n + 3) + 7 a(n + 2) + (n + 4) a(n + 1), a(0) = 6, a(1) = 42,

a(2) = 156}

Sequence: A082987
Score: 12.9824
Type of gen. func.: ogf

$$\frac{3 x}{(x - 1) (9 x^2 + 3 x - 1)}$$

Sequence: A082987
Score: 15.9704
Type of gen. func.: lgdogf

$$-\frac{(9 x + 2) (-2 + 3 x)}{(x - 1) (9 x^2 + 3 x - 1)}$$

Sequence: A082987
Score: 5.21613
Type of gen. func.: ogf

{-a(n + 3) + 4 a(n + 2) + 6 a(n + 1) - 9 a(n), a(0) = 0, a(1) = 3, a(2) = 12}

Sequence: A082987
Score: 5.67191
Type of gen. func.: ogf

$$-(7 f(x) + 4) (9 f(x) x^3 - 6 f(x) x^2 - 4 f(x) x + f(x) - 3 x)$$

Sequence: A082988
Score: 12.8906
Type of gen. func.: ogf

$$\frac{4 x}{(x - 1) (16 x^2 + 4 x - 1)}$$

Sequence: A082988
Score: 15.7033
Type of gen. func.: lgdogf

$$- \frac{48 x^2 - 24 x - 5}{(x - 1) (16 x^2 + 4 x - 1)}$$

Sequence: A082988
Score: 5.31455
Type of gen. func.: ogf

$\{-a(n + 3) + 5 a(n + 2) + 12 a(n + 1) - 16 a(n), a(0) = 0, a(1) = 4, a(2) = 20\}$

Sequence: A082988
Score: 5.77009
Type of gen. func.: ogf

$$-(5 f(x) + 4) (16 f(x) x^3 - 12 f(x) x^2 - 5 f(x) x + f(x) - 4 x)$$

Sequence: A082989
Score: 6.00643

Type of gen. func.: ogf

$$-x^3 f(x)^2 + 2 f(x)^2 x^2 - 2 f(x)^2 x - f(x) x^2 - x^2 + f(x) + 2 x - 1$$

Sequence: A082999
Score: 4.90967
Type of gen. func.: ogf

$$-\frac{(x^2 + 1) (x^{10} + 2 x^8 - 2 x^7 + x^6 + x^5 + x^4 - 2 x^3 + 2 x^2 + 1)}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (x^8 - x^7 + x^5 - x^4 + x^3 - x + 1)}$$

Sequence: A083026
Score: 8.52092
Type of gen. func.: ogf

$$\frac{x (x + 1) (x^5 + x^4 + x^3 + x^2 + 2)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A083028
Score: 8.68165
Type of gen. func.: ogf

$$\frac{x (x + 1) (x^5 + 2 x^4 - x^3 + 3 x^2 - x + 2)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A083030
Score: 12.2618
Type of gen. func.: ogf

$$\frac{x (5 x^2 + 3 x + 4)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A083030

Score: 13.0824
Type of gen. func.: lgdogf

$$-\frac{10 x^4 + 14 x^3 + 24 x^2 + 17 x + 7}{(x - 1) (x^2 + x + 1) (5 x^2 + 3 x + 4)}$$

Sequence: A083030
Score: 4.68835
Type of gen. func.: ogf

{(12 n + 35) a(n + 1) + 12 a(n + 2) + 12 a(n + 3) + (-12 n - 23) a(n + 4),

a(0) = 0, a(1) = 4, a(2) = 7, a(3) = 12}

Sequence: A083030
Score: 6.27575
Type of gen. func.: ogf

$$-(22824 f(x) + 58583) (f(x) x^4 - f(x) x^3 - 5 x^3 - f(x) x - 3 x^2 + f(x) - 4 x)$$

Sequence: A083031
Score: 12.1999
Type of gen. func.: ogf

$$\frac{x (5 x^2 + 4 x + 3)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A083031
Score: 13.0153
Type of gen. func.: lgdogf

$$-\frac{10 x^4 + 17 x^3 + 21 x^2 + 17 x + 7}{(x - 1) (x^2 + x + 1) (5 x^2 + 4 x + 3)}$$

Sequence: A083031
Score: 4.77707

Type of gen. func.: ogf

$$\{(-6 n - 17) a(n + 1) - 6 a(n + 2) - 6 a(n + 3) + (6 n + 11) a(n + 4), a(0) = 0, a(1) = 3, a(2) = 7, a(3) = 12\}$$

Sequence: A083031
Score: 6.66382
Type of gen. func.: ogf

$$(180 f(x) - 287) (f(x) x^4 - f(x) x^3 - 5 x^3 - f(x) x - 4 x^2 + f(x) - 3 x)$$

Sequence: A083032
Score: 11.0132
Type of gen. func.: ogf

$$\frac{x (2 x^3 + 3 x^2 + 3 x + 4)}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A083032
Score: 9.53959
Type of gen. func.: lgdogf

$$- \frac{4 x^6 + 11 x^5 + 17 x^4 + 28 x^3 + 16 x^2 + 13 x + 7}{(x - 1) (x + 1) (x^2 + 1) (2 x^3 + 3 x^2 + 3 x + 4)}$$

Sequence: A083033
Score: 8.68165
Type of gen. func.: ogf

$$\frac{x (x^2 + 1) (2 x^4 + x^3 + x + 2)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A083034
Score: 8.68165
Type of gen. func.: ogf

$$\frac{x (x + 1) (2 x^5 + x^3 + x^2 + x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A083039
Score: 11.9343
Type of gen. func.: ogf

$$- \frac{3 x^3 + 4 x^2 + 3 x + 1}{(x^2 + x + 1) (x - 1) (x + 1)}$$

Sequence: A083039
Score: 6.64085
Type of gen. func.: ogf

$$-(5 f(x) + 13) (f(x) x^4 + f(x) x^3 + 3 x^3 - f(x) x + 4 x^2 - f(x) + 3 x + 1)$$

Sequence: A083039
Score: 9.70441
Type of gen. func.: lgdogf

$$- \frac{3 x^6 + 8 x^5 + 13 x^4 + 16 x^3 + 16 x^2 + 8 x + 2}{(x - 1) (x + 1) (x^2 + x + 1) (3 x^3 + 4 x^2 + 3 x + 1)}$$

Sequence: A083040
Score: 6.22446
Type of gen. func.: ogf

$$- \frac{4 x^5 + 5 x^4 + 7 x^3 + 5 x^2 + 3 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A083043
Score: 11.0904

Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - 20 x + 1}$$

Sequence: A083043
Score: 11.6062
Type of gen. func.: revogf

$$- \frac{-1 - 20 x + (396 x^2 + 44 x + 1)^{1/2}}{2 (x - 1)}$$

Sequence: A083043
Score: 15.1232
Type of gen. func.: lgdogf

$$- \frac{x^2 + 2 x - 21}{(x + 1) (x^2 - 20 x + 1)}$$

Sequence: A083043
Score: 5.73209
Type of gen. func.: ogf

$$(418 f(x) + 23) (f(x) x^2 - 20 f(x) x + f(x) - x - 1)$$

Sequence: A083043
Score: 6.07330
Type of gen. func.: ogf

$$\{-a(n + 2) + 20 a(n + 1) - a(n), a(0) = 1, a(1) = 21\}$$

Sequence: A083049
Score: 4.07187
Type of gen. func.: ogf

$$- (2 x^{12} + x^{11} + x^{10} + 2 x^9 + x^8 + x^7 + 2 x^6 + 3 x^4 + 2 x^2 + x + 1) (x + 1)^2$$

```
       /    2
      /  ((x  + x - 1)
     /

     12    11    10    9    8    7    6    5    4    3    2                 2
   (x   + x   + x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x - 1) )
```

Sequence: A083065
Score: 13.3945
Type of gen. func.: ogf

```
                                 2 x - 1
                           - -----------------
                             (5 x - 1) (x - 1)
```

Sequence: A083065
Score: 14.0569
Type of gen. func.: revogf

```
                                         2           1/2
                      -1 - 6 x + (16 x  + 4 x + 1)
                    - ------------------------------
                                2 (2 + 5 x)
```

Sequence: A083065
Score: 15.5365
Type of gen. func.: lgdogf

```
                                     2
                            2 (5 x  - 5 x + 2)
                      - --------------------------
                        (x - 1) (2 x - 1) (5 x - 1)
```

Sequence: A083065
Score: 6.77251
Type of gen. func.: ogf

```
                                        2
        -(7 f(x) + 1) (5 f(x) x  - 6 f(x) x + f(x) + 2 x - 1)
```

Sequence: A083065
Score: 7.35065
Type of gen. func.: ogf

```
         {a(n + 2) - 6 a(n + 1) + 5 a(n), a(0) = 1, a(1) = 4}
```

Sequence: A083066
Score: 13.3282
Type of gen. func.: ogf

$$-\frac{2x-1}{(6x-1)(x-1)}$$

Sequence: A083066
Score: 13.9903
Type of gen. func.: revogf

$$-\frac{-1-7x+(25x^2+6x+1)^{1/2}}{4(3x+1)}$$

Sequence: A083066
Score: 15.0665
Type of gen. func.: lgdogf

$$-\frac{12x^2-12x+5}{(x-1)(6x-1)(2x-1)}$$

Sequence: A083066
Score: 6.66412
Type of gen. func.: ogf

$$-(23f(x)+2)(6f(x)x^2-7f(x)x+f(x)+2x-1)$$

Sequence: A083066
Score: 7.31427
Type of gen. func.: ogf

$$\{a(n+2)-7a(n+1)+6a(n), a(0)=1, a(1)=5\}$$

Sequence: A083067
Score: 12.7818

Type of gen. func.: ogf

$$-\frac{2x-1}{(7x-1)(x-1)}$$

Sequence: A083067
Score: 13.4095
Type of gen. func.: revogf

$$-\frac{-1-8x+(36x^2+8x+1)^{1/2}}{2(2+7x)}$$

Sequence: A083067
Score: 14.4410
Type of gen. func.: lgdogf

$$-\frac{2(7x^2-7x+3)}{(x-1)(2x-1)(7x-1)}$$

Sequence: A083067
Score: 6.3909
Type of gen. func.: ogf

$$-(17f(x)+1)(7f(x)x^2-8f(x)x+f(x)+2x-1)$$

Sequence: A083067
Score: 7.01439
Type of gen. func.: ogf

$$\{a(n+2)-8a(n+1)+7a(n),\ a(0)=1,\ a(1)=6\}$$

Sequence: A083068
Score: 13.5806
Type of gen. func.: ogf

$$-\frac{2x-1}{(8x-1)(x-1)}$$

Sequence: A083068
Score: 13.9336
Type of gen. func.: revogf

$$-\frac{-1 - 9 x + (49 x^2 + 10 x + 1)^{1/2}}{4 (1 + 4 x)}$$

Sequence: A083068
Score: 15.7670
Type of gen. func.: lgdogf

$$-\frac{16 x^2 - 16 x + 7}{(x - 1) (8 x - 1) (2 x - 1)}$$

Sequence: A083068
Score: 6.79033
Type of gen. func.: ogf

$$-(47 f(x) + 2) (8 f(x) x^2 - 9 f(x) x + f(x) + 2 x - 1)$$

Sequence: A083068
Score: 7.45279
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) + 8 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A083074
Score: 10.6974
Type of gen. func.: ogf

$$\frac{2 x^3 + 3 x^2 + 2 x - 1}{(x - 1)^4}$$

Sequence: A083074

Score: 17.3655
Type of gen. func.: lgdogf

$$-\frac{2\,(x^3+6\,x^2+6\,x-1)}{(x-1)\,(2\,x^3+3\,x^2+2\,x-1)}$$

Sequence: A083074
Score: 4.45245
Type of gen. func.: ogf

$$\{(23\,n^2+3\,n-86)\,a(n+1)+(68\,n^2+632\,n+668)\,a(n+2)$$

$$+\,(-91\,n^2-293\,n-60)\,a(n+3),\ a(0)=-1,\ a(1)=-2,\ a(2)=1\}$$

Sequence: A083074
Score: 5.52821
Type of gen. func.: ogf

$$-(18738\,f(x)+26471)$$

$$(f(x)\,x^4-4\,f(x)\,x^3+6\,f(x)\,x^2-2\,x^3-4\,f(x)\,x-3\,x^2+f(x)-2\,x+1)$$

Sequence: A083076
Score: 14.1401
Type of gen. func.: ogf

$$-\frac{3\,x-1}{(7\,x-1)\,(x-1)}$$

Sequence: A083076
Score: 14.8602
Type of gen. func.: revogf

$$-\frac{-1-8\,x+(36\,x^2+4\,x+1)^{1/2}}{2\,(3+7\,x)}$$

Sequence: A083076

Score: 16.4244
Type of gen. func.: lgdogf

$$-\frac{21 x^2 - 14 x + 5}{(x - 1) (3 x - 1) (7 x - 1)}$$

Sequence: A083076
Score: 7.07006
Type of gen. func.: ogf

$$-(26 f(x) - 1) (7 f(x) x^2 - 8 f(x) x + f(x) + 3 x - 1)$$

Sequence: A083076
Score: 7.75982
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 7 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A083077
Score: 11.6845
Type of gen. func.: ogf

$$-\frac{3 x - 1}{(-1 + 11 x) (x - 1)}$$

Sequence: A083077
Score: 11.6871
Type of gen. func.: revogf

$$-\frac{-1 - 12 x + (100 x^2 + 12 x + 1)^{1/2}}{2 (3 + 11 x)}$$

Sequence: A083077
Score: 13.7848
Type of gen. func.: lgdogf

$$-\frac{33 x^2 - 22 x + 9}{}$$

$$(x - 1) (3 x - 1) (-1 + 11 x)$$

Sequence: A083077
Score: 5.96925
Type of gen. func.: ogf

$$-(86 f(x) - 5) (11 f(x) x^2 - 12 f(x) x + f(x) + 3 x - 1)$$

Sequence: A083077
Score: 6.53774
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 11 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A083078
Score: 10.8401
Type of gen. func.: revogf

$$- \frac{-1 - 14 x + (144 x^2 + 16 x + 1)^{1/2}}{2 (3 + 13 x)}$$

Sequence: A083078
Score: 10.8506
Type of gen. func.: ogf

$$- \frac{3 x - 1}{(13 x - 1) (x - 1)}$$

Sequence: A083078
Score: 5.48364
Type of gen. func.: ogf

$$-(128 f(x) - 7) (13 f(x) x^2 - 14 f(x) x + f(x) + 3 x - 1)$$

Sequence: A083078
Score: 5.99974
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1) + 13 a(n), a(0) = 1, a(1) = 11\}$$

Sequence: A083079
Score: 13.9479
Type of gen. func.: lgdogf

$$-\frac{5 x^3 - 19 x^2 + 143 x + 63}{(x - 1) (5 x^3 - 17 x^2 + 59 x + 1)}$$

Sequence: A083079
Score: 3.57253
Type of gen. func.: ogf

$$\{(688 n^2 + 4465 n + 6178) a(n + 1) + (-3244 n^2 - 22946 n - 39027) a(n + 2) + (2556 n^2 + 12877 n + 15627) a(n + 3), a(0) = 1, a(1) = 63, a(2) = 229\}$$

Sequence: A083079
Score: 4.86521
Type of gen. func.: ogf

$$(2982960 f(x) + 79557659) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 5 x^3 - 4 f(x) x + 17 x^2 + f(x) - 59 x - 1)$$

Sequence: A083079
Score: 9.36092
Type of gen. func.: ogf

$$\frac{5 x^3 - 17 x^2 + 59 x + 1}{(x - 1)^4}$$

Sequence: A083085
Score: 15.6784

Type of gen. func.: ogf

$$-\frac{3x+1}{(1+5x)(x-1)}$$

Sequence: A083085
Score: 17.8281
Type of gen. func.: revogf

$$\frac{-1+4x+(36x^2+4x+1)^{1/2}}{2(3+5x)}$$

Sequence: A083085
Score: 18.7423
Type of gen. func.: lgdogf

$$-\frac{15x^2+10x-1}{(x-1)(1+5x)(3x+1)}$$

Sequence: A083085
Score: 7.75305
Type of gen. func.: ogf

$$-(86f(x)-85)(5f(x)x^2-4f(x)x-f(x)+3x+1)$$

Sequence: A083085
Score: 8.60399
Type of gen. func.: ogf

$$\{a(n+2)+4a(n+1)-5a(n), a(0)=1, a(1)=-1\}$$

Sequence: A083086
Score: 11.5843
Type of gen. func.: ogf

$$8f(x)x^2-2f(x)x-f(x)+2x+1$$

Sequence: A083086
Score: 16.2181
Type of gen. func.: ogf

$$-\frac{2x+1}{(1+4x)(2x-1)}$$

Sequence: A083086
Score: 18.5155
Type of gen. func.: revogf

$$\frac{-1+2x+(36x^2+4x+1)^{1/2}}{4(1+4x)}$$

Sequence: A083086
Score: 9.01005
Type of gen. func.: ogf

$$\{-a(n+2)-2a(n+1)+8a(n),\ a(0)=1,\ a(1)=0\}$$

Sequence: A083089
Score: 8.52092
Type of gen. func.: ogf

$$\frac{x(x^4+x^3+2)(x^2+x+1)}{(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A083098
Score: 14.5207
Type of gen. func.: ogf

$$\frac{x-1}{6x^2+2x-1}$$

Sequence: A083098

Score: 17.7933
Type of gen. func.: lgdogf

$$-\frac{6 x^2 - 12 x - 1}{(x - 1) (6 x^2 + 2 x - 1)}$$

Sequence: A083098
Score: 7.51071
Type of gen. func.: ogf

$$(70 f(x) - 69) (6 f(x) x^2 + 2 f(x) x - f(x) - x + 1)$$

Sequence: A083098
Score: 7.96870
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 6 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A083099
Score: 10.5295
Type of gen. func.: ogf

$$-6 f(x) x^2 - 2 f(x) x + f(x) - x$$

Sequence: A083099
Score: 16.7904
Type of gen. func.: ogf

$$-\frac{x}{6 x^2 + 2 x - 1}$$

Sequence: A083099
Score: 16.9885
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (28 x^2 + 4 x + 1)^{1/2}}{}$$

$$12 x$$

Sequence: A083099
Score: 25.4828
Type of gen. func.: lgdogf

$$-\frac{2 (1 + 6 x)}{6 x^2 + 2 x - 1}$$

Sequence: A083099
Score: 7.66968
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 6 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A083100
Score: 14.6190
Type of gen. func.: ogf

$$-\frac{7 x + 1}{7 x^2 + 2 x - 1}$$

Sequence: A083100
Score: 15.7352
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (32 x^2 + 32 x + 1)^{1/2}}{14 (x + 1)}$$

Sequence: A083100
Score: 16.9775
Type of gen. func.: lgdogf

$$-\frac{49 x^2 + 14 x + 9}{(7 x + 1) (7 x^2 + 2 x - 1)}$$

Sequence: A083100
Score: 7.56158
Type of gen. func.: ogf

$$(32 f(x) + 49) (7 f(x) x^2 + 2 f(x) x - f(x) + 7 x + 1)$$

Sequence: A083100
Score: 8.02263
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) - 7 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A083101
Score: 12.5615
Type of gen. func.: ogf

$$- \frac{10 x + 1}{10 x^2 + 2 x - 1}$$

Sequence: A083101
Score: 14.0982
Type of gen. func.: lgdogf

$$- \frac{4 (25 x^2 + 5 x + 3)}{(10 x + 1) (10 x^2 + 2 x - 1)}$$

Sequence: A083101
Score: 14.0982
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (44 x^2 + 44 x + 1)^{1/2}}{20 (x + 1)}$$

Sequence: A083101
Score: 6.63359

Type of gen. func.: ogf

$$(11 f(x) + 25) (10 f(x) x^2 + 2 f(x) x - f(x) + 10 x + 1)$$

Sequence: A083101
Score: 7.02844
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 12\}$$

Sequence: A083102
Score: 16.5484
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (44 x^2 + 4 x + 1)^{1/2}}{20 x}$$

Sequence: A083102
Score: 17.8907
Type of gen. func.: ogf

$$- \frac{1}{10 x^2 + 2 x - 1}$$

Sequence: A083102
Score: 22.9132
Type of gen. func.: lgdogf

$$- \frac{2 (10 x + 1)}{10 x^2 + 2 x - 1}$$

Sequence: A083102
Score: 7.2415
Type of gen. func.: ogf

$$(59 f(x) - 55) (10 f(x) x^2 + 2 f(x) x - f(x) + 1)$$

Sequence: A083102
Score: 7.32873
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 10 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A083105
Score: 3.4004
Type of gen. func.: ogf

$$-(174739995751685369 f(x) - 8498781306311516441688577849573208)$$

$$(f(x) x^2 + f(x) x - f(x) - 13174844261034202 x + 62638280004239857)$$

Sequence: A083120
Score: 8.52092
Type of gen. func.: ogf

$$\frac{x (2 x^6 + x^5 + 2 x^4 + 2 x^3 + x^2 + 2 x + 2)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A083127
Score: 11.5936
Type of gen. func.: ogf

$$- \frac{2 x^2 (x - 10)}{(x - 1)^4}$$

Sequence: A083127
Score: 36.5534
Type of gen. func.: lgdogf

$$- \frac{3 (x - 13)}{(x - 1) (x - 10)}$$

Sequence: A083127
Score: 5.30427
Type of gen. func.: ogf

$$\{(-10 - 10 n) a(n + 3) + (39 + 11 n) a(n + 2) + (-n - 2) a(n + 1), a(0) = 0,$$

$$a(1) = 0, a(2) = 20\}$$

Sequence: A083127
Score: 5.59692
Type of gen. func.: ogf

$$-(329508 f(x) + 2997541)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 2 x^3 - 4 f(x) x - 20 x^2 + f(x))$$

Sequence: A083178
Score: 7.83067
Type of gen. func.: ogf

$$\frac{90 x^6 + 10 x^4 + 11 x^3 + 3 x^2 + 2 x + 1}{(x - 1) (x^2 + x + 1) (10 x^3 - 1)}$$

Sequence: A083196
Score: 11.1483
Type of gen. func.: lgdogf

$$- \frac{19 x^4 + 218 x^3 + 486 x^2 + 218 x + 19}{(x - 1) (19 x^4 + 71 x^3 + 91 x^2 + 9 x + 2)}$$

Sequence: A083196
Score: 7.99202
Type of gen. func.: ogf

$$- \frac{19 x^4 + 71 x^3 + 91 x^2 + 9 x + 2}{(x - 1)^5}$$

Sequence: A083200
Score: 11.0944
Type of gen. func.: lgdogf

$$-\frac{3 x^4 + 44 x^3 + 130 x^2 + 100 x + 17}{(x - 1) (x^4 + 10 x^3 + 20 x^2 + 10 x + 1)}$$

Sequence: A083200
Score: 4.15591
Type of gen. func.: ogf

$$\{(-n^2 - 5 n - 6) a(n + 1) + (2 n^2 + 10 n + 42) a(n + 2)$$
$$+ (-n^2 - 5 n - 6) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 17\}$$

Sequence: A083200
Score: 6.09533
Type of gen. func.: ogf

$$-\frac{x (x^4 + 10 x^3 + 20 x^2 + 10 x + 1)}{(x - 1)^7}$$

Sequence: A083205
Score: 8.63984
Type of gen. func.: lgdegf]

$$8 - 12 f(x) + 6 f(x)^2 - f(x)^3$$

Sequence: A083216
Score: 3.71842
Type of gen. func.: ogf

$$-(45026113772678533 f(x) - 913843448130463905317245459861661)$$
$$(f(x) x^2 + f(x) x - f(x) - 16820908843987997 x + 20615674205555510)$$

Sequence: A083216
Score: 5.56118
Type of gen. func.: ogf

$$\{-a(n+2)+a(n+1)+a(n),\ a(0)=20615674205555510,\ a(1)=3794765361567513\}$$

Sequence: A083216
Score: 8.16121
Type of gen. func.: ogf

$$\frac{16820908843987997\,x-20615674205555510}{x^2+x-1}$$

Sequence: A083217
Score: 13.3945
Type of gen. func.: ogf

$$\frac{x-1}{(x+1)\,(5\,x-1)}$$

Sequence: A083217
Score: 14.3997
Type of gen. func.: revogf

$$\frac{-1-4\,x+(36\,x^2+4\,x+1)^{1/2}}{2\,(5\,x-1)}$$

Sequence: A083217
Score: 16.3997
Type of gen. func.: lgdogf

$$-\frac{5\,x^2-10\,x-3}{(x-1)\,(5\,x-1)\,(x+1)}$$

Sequence: A083217

Score: 6.77251
Type of gen. func.: ogf

$$(334 f(x) - 253) (5 f(x) x^2 + 4 f(x) x - f(x) - x + 1)$$

Sequence: A083217
Score: 7.35065
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 5 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A083219
Score: 12.3610
Type of gen. func.: ogf

$$- \frac{x (x^3 - x^2 - x - 1)}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A083219
Score: 13.8969
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 - 2 x - 1) (x^4 + x^3 + x^2 + 1)}{(x - 1) (x + 1) (x^2 + 1) (x^3 - x^2 - x - 1)}$$

Sequence: A083219
Score: 8.93421
Type of gen. func.: ogf

$$f(x) x^5 - f(x) x^4 + x^4 - x^3 - f(x) x - x^2 + f(x) - x$$

Sequence: A083220
Score: 12.3028
Type of gen. func.: ogf

$$2 x (x^3 - x^2 - x - 1)$$

$$-\frac{}{(x+1)\,(x^{2}+1)\,(x-1)^{2}}$$

Sequence: A083220
Score: 13.8324
Type of gen. func.: lgdogf

$$-\frac{2\,(x^{2}-2\,x-1)\,(x^{4}+x^{3}+x^{2}+1)}{(x-1)\,(x+1)\,(x^{2}+1)\,(x^{3}-x^{2}-x-1)}$$

Sequence: A083220
Score: 8.89208
Type of gen. func.: ogf

$$f(x)\,x^{5}-f(x)\,x^{4}+2\,x^{4}-2\,x^{3}-f(x)\,x-2\,x^{2}+f(x)-2\,x$$

Sequence: A083222
Score: 14.3513
Type of gen. func.: ogf

$$-\frac{3\,x+1}{(5\,x-1)\,(1+5\,x)}$$

Sequence: A083222
Score: 14.3997
Type of gen. func.: lgdogf

$$-\frac{(3+5\,x)\,(15\,x+1)}{(1+5\,x)\,(3\,x+1)\,(5\,x-1)}$$

Sequence: A083222
Score: 14.3997
Type of gen. func.: revegf]

$$-1/5\,\operatorname{arcsinh}(3/4)+1/5\,\operatorname{arcsinh}\left(\frac{25\,x}{4}+3/4\right)$$

Sequence: A083222
Score: 8.14531
Type of gen. func.: ogf

$$-(50 f(x) - 41) (25 f(x) x^2 - f(x) + 3 x + 1)$$

Sequence: A083222
Score: 9.27312
Type of gen. func.: ogf

$$\{-a(n + 2) + 25 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A083223
Score: 10.1309
Type of gen. func.: revegf]

$$-1/6 \operatorname{arcsinh}\left(\frac{2\ 5^{1/2}}{5}\right) + 1/6 \operatorname{arcsinh}\left(\frac{2\ 5^{1/2} (1 + 9 x)}{5}\right)$$

Sequence: A083223
Score: 13.9903
Type of gen. func.: lgdogf

$$-\frac{4 (36 x^2 + 18 x + 1)}{(6 x - 1) (1 + 4 x) (1 + 6 x)}$$

Sequence: A083223
Score: 14.2802
Type of gen. func.: ogf

$$-\frac{1 + 4 x}{(6 x - 1) (1 + 6 x)}$$

Sequence: A083223
Score: 8.33015
Type of gen. func.: ogf

$$(117 f(x) - 101) (36 f(x) x^2 - f(x) + 4 x + 1)$$

Sequence: A083223
Score: 9.22723
Type of gen. func.: ogf

$$\{-a(n + 2) + 36 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A083224
Score: 13.7661
Type of gen. func.: ogf

$$- \frac{1 + 5 x}{(7 x - 1) (7 x + 1)}$$

Sequence: A083224
Score: 13.8096
Type of gen. func.: lgdogf

$$- \frac{245 x^2 + 98 x + 5}{(1 + 5 x) (7 x + 1) (7 x - 1)}$$

Sequence: A083224
Score: 14.1548
Type of gen. func.: revogf

$$\frac{-1 + (196 x^2 + 20 x + 1)^{1/2}}{2 (5 + 49 x)}$$

Sequence: A083224
Score: 7.81319
Type of gen. func.: ogf

$$-(98 f(x) - 73) (49 f(x) x^2 - f(x) + 5 x + 1)$$

Sequence: A083224
Score: 8.89502
Type of gen. func.: ogf

$$\{-a(n+2)+49\,a(n),\ a(0)=1,\ a(1)=5\}$$

Sequence: A083225
Score: 10.2058
Type of gen. func.: revegf]

$$-1/8\,\operatorname{arcsinh}\left(\frac{3\,7^{1/2}}{7}\right)+1/8\,\operatorname{arcsinh}\left(\frac{7^{1/2}\,(3+32\,x)}{7}\right)$$

Sequence: A083225
Score: 14.0033
Type of gen. func.: lgdogf

$$-\frac{2\,(192\,x^{2}+64\,x+3)}{(8\,x-1)\,(1+8\,x)\,(1+6\,x)}$$

Sequence: A083225
Score: 14.6220
Type of gen. func.: ogf

$$-\frac{1+6\,x}{(8\,x-1)\,(1+8\,x)}$$

Sequence: A083225
Score: 8.29899
Type of gen. func.: ogf

$$-(32\,f(x)-23)\,(64\,f(x)\,x^{2}-f(x)+6\,x+1)$$

Sequence: A083225
Score: 9.44808
Type of gen. func.: ogf

$$\{-a(n+2)+64\,a(n),\ a(0)=1,\ a(1)=6\}$$

Sequence: A083226
Score: 13.3201
Type of gen. func.: lgdogf

$$-\frac{567 x^2 + 162 x + 7}{(1 + 9 x) (7 x + 1) (9 x - 1)}$$

Sequence: A083226
Score: 13.6005
Type of gen. func.: ogf

$$-\frac{7 x + 1}{(9 x - 1) (1 + 9 x)}$$

Sequence: A083226
Score: 13.9861
Type of gen. func.: revogf

$$\frac{-1 + (324 x^2 + 28 x + 1)^{1/2}}{2 (81 x + 7)}$$

Sequence: A083226
Score: 7.51607
Type of gen. func.: ogf

$$-(162 f(x) - 113) (81 f(x) x^2 - f(x) + 7 x + 1)$$

Sequence: A083226
Score: 8.78802
Type of gen. func.: ogf

$$\{-a(n + 2) + 81 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A083227
Score: 11.4972

Type of gen. func.: lgdogf

$$-\frac{8\,(1 + 5\,x)\,(20\,x + 1)}{(10\,x + 1)\,(1 + 8\,x)\,(10\,x - 1)}$$

Sequence: A083227
Score: 12.0320
Type of gen. func.: revegf]

$$-1/10\,\operatorname{arcsinh}(4/3) + 1/10\,\operatorname{arcsinh}\left(\frac{50\,x}{3} + 4/3\right)$$

Sequence: A083227
Score: 12.3009
Type of gen. func.: ogf

$$-\frac{1 + 8\,x}{(10\,x - 1)\,(10\,x + 1)}$$

Sequence: A083227
Score: 7.05251
Type of gen. func.: ogf

$$-(25\,f(x) - 17)\,(100\,f(x)\,x^2 - f(x) + 8\,x + 1)$$

Sequence: A083227
Score: 8.01421
Type of gen. func.: ogf

$$\{-a(n + 2) + 100\,a(n),\ a(0) = 1,\ a(1) = 8\}$$

Sequence: A083229
Score: 15.1994
Type of gen. func.: ogf

$$-\frac{3\,x + 1}{(1 + 5\,x)\,(3\,x - 1)}$$

Sequence: A083229
Score: 17.5955
Type of gen. func.: revogf

$$\frac{-1 + 2 x + (64 x^2 + 8 x + 1)^{1/2}}{6 (1 + 5 x)}$$

Sequence: A083229
Score: 18.0354
Type of gen. func.: lgdogf

$$- \frac{45 x^2 + 30 x + 1}{(1 + 5 x) (3 x - 1) (3 x + 1)}$$

Sequence: A083229
Score: 7.76858
Type of gen. func.: ogf

$$(184 f(x) - 183) (15 f(x) x^2 - 2 f(x) x - f(x) + 3 x + 1)$$

Sequence: A083229
Score: 8.42375
Type of gen. func.: ogf

$$\{-a(n + 2) - 2 a(n + 1) + 15 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A083230
Score: 8.61994
Type of gen. func.: ogf

$$- \frac{2 x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}{(x - 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A083231
Score: 13.1033
Type of gen. func.: ogf

$$-\frac{x+1}{(3x+1)(5x-1)}$$

Sequence: A083231
Score: 14.0569
Type of gen. func.: revogf

$$\frac{-2x-1+(64x^2+8x+1)^{1/2}}{2(15x+1)}$$

Sequence: A083231
Score: 15.1382
Type of gen. func.: lgdogf

$$-\frac{3(5x^2+10x+1)}{(3x+1)(5x-1)(x+1)}$$

Sequence: A083231
Score: 6.84947
Type of gen. func.: ogf

$$(64 f(x) - 55) (15 f(x) x^2 + 2 f(x) x - f(x) + x + 1)$$

Sequence: A083231
Score: 7.26208
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 15 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A083232
Score: 12.7818
Type of gen. func.: ogf

$$\frac{x-1}{(x+1)(7x-1)}$$

Sequence: A083232
Score: 13.7365
Type of gen. func.: revogf

$$\frac{-1 - 6 x + (64 x^2 + 8 x + 1)^{1/2}}{2 (7 x - 1)}$$

Sequence: A083232
Score: 15.6444
Type of gen. func.: lgdogf

$$- \frac{7 x^2 - 14 x - 5}{(x - 1) (7 x - 1) (x + 1)}$$

Sequence: A083232
Score: 6.32067
Type of gen. func.: ogf

$$-(44 f(x) - 19) (7 f(x) x^2 + 6 f(x) x - f(x) - x + 1)$$

Sequence: A083232
Score: 7.01439
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) + 7 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A083233
Score: 15.0873
Type of gen. func.: ogf

$$-8 f(x) x + f(x) + 2 x - 1$$

Sequence: A083233
Score: 18.3494
Type of gen. func.: ogf

$$2 x - 1$$

$$\overline{8 x - 1}$$

Sequence: A083233
Score: 20.8359
Type of gen. func.: revogf

$$1/4 + 2 x - \frac{(64 x^2 + 8 x + 1)^{1/2}}{4}$$

Sequence: A083233
Score: 39.2206
Type of gen. func.: lgdogf

$$\frac{6}{(8 x - 1) (2 x - 1)}$$

Sequence: A083233
Score: 9.42956
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 6\}$$

Sequence: A083234
Score: 12.1536
Type of gen. func.: ogf

$$- \frac{-1 + 4 x}{(10 x - 1) (2 x - 1)}$$

Sequence: A083234
Score: 13.0103
Type of gen. func.: revogf

$$- \frac{-1 - 12 x + (64 x^2 + 8 x + 1)^{1/2}}{8 (1 + 5 x)}$$

Sequence: A083234
Score: 13.0103
Type of gen. func.: lgdogf

$$-\frac{8\,(10\,x^2-5\,x+1)}{(-1+4\,x)\,(2\,x-1)\,(10\,x-1)}$$

Sequence: A083234
Score: 6.07682
Type of gen. func.: ogf

$$-(281\,f(x)-25)\,(20\,f(x)\,x^2-12\,f(x)\,x+f(x)+4\,x-1)$$

Sequence: A083234
Score: 6.80025
Type of gen. func.: ogf

$$\{a(n+2)-12\,a(n+1)+20\,a(n),\ a(0)=1,\ a(1)=8\}$$

Sequence: A083292
Score: 5.75132
Type of gen. func.: ogf

$$-\frac{x\,(10\,x^{19}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)}{(x+1)^2\,(x^4+x^3+x^2+x+1)^2\,(x^4-x^3+x^2-x+1)^2\,(x-1)^3}$$

Sequence: A083294
Score: 14.9520
Type of gen. func.: ogf

$$-\frac{7\,x+1}{(1+9\,x)\,(x-1)}$$

Sequence: A083294
Score: 16.0722
Type of gen. func.: revogf

$$\frac{-1 + 8x + (100x^2 + 12x + 1)^{1/2}}{2(7 + 9x)}$$

Sequence: A083294
Score: 17.7207
Type of gen. func.: lgdogf

$$-\frac{(3x + 1)(21x - 1)}{(x - 1)(7x + 1)(1 + 9x)}$$

Sequence: A083294
Score: 7.23483
Type of gen. func.: ogf

$$-(298 f(x) - 297)(9 f(x) x^2 - 8 f(x) x - f(x) + 7x + 1)$$

Sequence: A083294
Score: 8.20535
Type of gen. func.: ogf

$$\{a(n + 2) + 8 a(n + 1) - 9 a(n), a(0) = 1, a(1) = -1\}$$

Sequence: A083295
Score: 13.8327
Type of gen. func.: ogf

$$-\frac{1 + 6x}{(1 + 8x)(2x - 1)}$$

Sequence: A083295
Score: 15.2226
Type of gen. func.: revogf

$$\frac{-1 + 6x + (100x^2 + 12x + 1)^{1/2}}{4(8x + 3)}$$

Sequence: A083295
Score: 17.6911
Type of gen. func.: lgdogf

$$-\frac{32 x (3 x + 1)}{(1 + 8 x) (2 x - 1) (1 + 6 x)}$$

Sequence: A083295
Score: 7.75982
Type of gen. func.: ogf

$$\{-a(n + 2) - 6 a(n + 1) + 16 a(n), a(0) = 1, a(1) = 0\}$$

Sequence: A083295
Score: 9.94227
Type of gen. func.: ogf

$$16 f(x) x^2 - 6 f(x) x - f(x) + 6 x + 1$$

Sequence: A083296
Score: 14.6488
Type of gen. func.: ogf

$$-\frac{1 + 5 x}{(7 x + 1) (3 x - 1)}$$

Sequence: A083296
Score: 15.7362
Type of gen. func.: revogf

$$\frac{-1 + 4 x + (100 x^2 + 12 x + 1)^{1/2}}{2 (5 + 21 x)}$$

Sequence: A083296
Score: 16.8876
Type of gen. func.: lgdogf

$$105 x^2 + 42 x + 1$$

$$-\frac{}{(1 + 5 x) (7 x + 1) (3 x - 1)}$$

Sequence: A083296
Score: 7.48719
Type of gen. func.: ogf

$$(310 f(x) - 309) (21 f(x) x^2 - 4 f(x) x - f(x) + 5 x + 1)$$

Sequence: A083296
Score: 8.11864
Type of gen. func.: ogf

$$\{-a(n + 2) - 4 a(n + 1) + 21 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A083297
Score: 14.9277
Type of gen. func.: ogf

$$-\frac{1 + 4 x}{(1 + 6 x) (-1 + 4 x)}$$

Sequence: A083297
Score: 16.3337
Type of gen. func.: lgdogf

$$-\frac{2 (48 x^2 + 24 x + 1)}{(-1 + 4 x) (1 + 4 x) (1 + 6 x)}$$

Sequence: A083297
Score: 16.3337
Type of gen. func.: revogf

$$\frac{-1 + 2 x + (100 x^2 + 12 x + 1)^{1/2}}{8 (1 + 6 x)}$$

Sequence: A083297
Score: 7.8031
Type of gen. func.: ogf

$$(31 f(x) - 30) (24 f(x) x^2 - 2 f(x) x - f(x) + 4 x + 1)$$

Sequence: A083297
Score: 8.27316
Type of gen. func.: ogf

$$\{-a(n + 2) - 2 a(n + 1) + 24 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A083298
Score: 2.27783
Type of gen. func.: ogf

$$(850 f(x) - 769) (25 f(x) x^2 - f(x) + 3 x + 1)$$

Sequence: A083298
Score: 3.90486
Type of gen. func.: ogf

$$-\frac{3 x + 1}{(5 x - 1) (1 + 5 x)}$$

Sequence: A083299
Score: 13.0385
Type of gen. func.: ogf

$$-\frac{2 x + 1}{(1 + 4 x) (6 x - 1)}$$

Sequence: A083299
Score: 13.3544
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (100 x^2 + 12 x + 1)^{1/2}}{4 (1 + 12 x)}$$

Sequence: A083299
Score: 13.9903
Type of gen. func.: lgdogf

$$-\frac{4\,(12 x^2 + 12 x + 1)}{(6 x - 1)\,(2 x + 1)\,(1 + 4 x)}$$

Sequence: A083299
Score: 6.89392
Type of gen. func.: ogf

$$(11 f(x) - 9)\,(24 f(x) x^2 + 2 f(x) x - f(x) + 2 x + 1)$$

Sequence: A083299
Score: 7.22614
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 24 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A083300
Score: 12.5039
Type of gen. func.: ogf

$$-\frac{x + 1}{(3 x + 1)\,(7 x - 1)}$$

Sequence: A083300
Score: 12.7999
Type of gen. func.: revogf

$$\frac{-1 - 4 x + (100 x^2 + 12 x + 1)^{1/2}}{2\,(21 x + 1)}$$

Sequence: A083300
Score: 14.8210
Type of gen. func.: lgdogf

$$-\frac{21 x^2 + 42 x + 5}{(3 x + 1) (7 x - 1) (x + 1)}$$

Sequence: A083300
Score: 6.25196
Type of gen. func.: ogf

$$-(62 f(x) - 37) (21 f(x) x^2 + 4 f(x) x - f(x) + x + 1)$$

Sequence: A083300
Score: 6.92988
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 21 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A083301
Score: 15.7670
Type of gen. func.: revogf

$$\frac{-1 - 6 x + (100 x^2 + 12 x + 1)^{1/2}}{32 x}$$

Sequence: A083301
Score: 17.9744
Type of gen. func.: ogf

$$-\frac{1}{(2 x + 1) (8 x - 1)}$$

Sequence: A083301
Score: 22.1906
Type of gen. func.: lgdogf

$$-\frac{2 (16 x + 3)}{(2 x + 1) (8 x - 1)}$$

Sequence: A083301
Score: 7.02448
Type of gen. func.: ogf

$$-(17 f(x) - 8) (16 f(x) x^2 + 6 f(x) x - f(x) + 1)$$

Sequence: A083301
Score: 7.36300
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) + 16 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A083302
Score: 12.6938
Type of gen. func.: ogf

$$\frac{x - 1}{(x + 1) (9 x - 1)}$$

Sequence: A083302
Score: 12.7146
Type of gen. func.: revogf

$$\frac{-1 - 8 x + (100 x^2 + 12 x + 1)^{1/2}}{2 (9 x - 1)}$$

Sequence: A083302
Score: 15.5401
Type of gen. func.: lgdogf

$$- \frac{(3 x + 1) (3 x - 7)}{(x - 1) (9 x - 1) (x + 1)}$$

Sequence: A083302
Score: 6.27716
Type of gen. func.: ogf

$$(4666 f(x) - 2265) (9 f(x) x^2 + 8 f(x) x - f(x) - x + 1)$$

Sequence: A083302
Score: 6.96611
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) + 9 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A083313
Score: 12.1103
Type of gen. func.: ogf

$$\frac{3 x^2 - 3 x + 1}{(3 x - 1) (2 x - 1)}$$

Sequence: A083313
Score: 14.2912
Type of gen. func.: lgdogf

$$\frac{3 x^2 - 6 x + 2}{(3 x - 1) (2 x - 1) (3 x^2 - 3 x + 1)}$$

Sequence: A083313
Score: 6.29261
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 7\}$$

Sequence: A083313
Score: 8.82054
Type of gen. func.: ogf

$$f(x) (6 f(x) x^2 - 5 f(x) x - 3 x^2 + f(x) + 3 x - 1)$$

Sequence: A083314

Score: 10.3917
Type of gen. func.: ogf

$$-\frac{7 x^2 - 5 x + 1}{(x - 1) (3 x - 1) (-1 + 4 x)}$$

Sequence: A083314
Score: 5.59555
Type of gen. func.: ogf

$$-(5 f(x) + 7) (12 f(x) x^3 - 19 f(x) x^2 + 8 f(x) x + 7 x^2 - f(x) - 5 x + 1)$$

Sequence: A083314
Score: 5.69285
Type of gen. func.: ogf

{-a(n + 3) + 8 a(n + 2) - 19 a(n + 1) + 12 a(n), a(0) = 1, a(1) = 3, a(2) = 12}

Sequence: A083314
Score: 9.17094
Type of gen. func.: lgdogf

$$-\frac{3 (2 x - 1) (14 x^3 - 13 x^2 + 6 x - 1)}{(x - 1) (3 x - 1) (-1 + 4 x) (7 x^2 - 5 x + 1)}$$

Sequence: A083315
Score: 4.92556
Type of gen. func.: ogf

$$-(362 f(x) + 493)$$

$$(40 f(x) x^3 - 38 f(x) x^2 + 11 f(x) x + 13 x^2 - f(x) - 7 x + 1)$$

Sequence: A083315
Score: 5.22279
Type of gen. func.: ogf

{a(n + 3) - 11 a(n + 2) + 38 a(n + 1) - 40 a(n), a(0) = 1, a(1) = 4, a(2) = 19}

Sequence: A083315
Score: 8.02000
Type of gen. func.: lgdogf

$$-\frac{520 x^4 - 560 x^3 + 243 x^2 - 50 x + 4}{(-1 + 4 x) (2 x - 1) (5 x - 1) (13 x^2 - 7 x + 1)}$$

Sequence: A083315
Score: 9.32068
Type of gen. func.: ogf

$$-\frac{13 x^2 - 7 x + 1}{(-1 + 4 x) (2 x - 1) (5 x - 1)}$$

Sequence: A083316
Score: 4.87619
Type of gen. func.: ogf

$$-(411 f(x) + 643)$$

$$(90 f(x) x^3 - 63 f(x) x^2 + 14 f(x) x + 21 x^2 - f(x) - 9 x + 1)$$

Sequence: A083316
Score: 5.17043
Type of gen. func.: ogf

$$\{a(n + 3) - 14 a(n + 2) + 63 a(n + 1) - 90 a(n), a(0) = 1, a(1) = 5, a(2) = 28\}$$

Sequence: A083316
Score: 7.94044
Type of gen. func.: lgdogf

$$-\frac{1890 x^4 - 1620 x^3 + 543 x^2 - 84 x + 5}{(6 x - 1) (3 x - 1) (5 x - 1) (21 x^2 - 9 x + 1)}$$

Sequence: A083316
Score: 9.22723
Type of gen. func.: ogf

$$-\frac{21 x^2 - 9 x + 1}{(6 x - 1) (3 x - 1) (5 x - 1)}$$

Sequence: A083318
Score: 14.2873
Type of gen. func.: ogf

$$-\frac{2 x^2 - 1}{(2 x - 1) (x - 1)}$$

Sequence: A083318
Score: 18.0583
Type of gen. func.: lgdogf

$$-\frac{6 x^2 - 8 x + 3}{(x - 1) (2 x - 1) (2 x^2 - 1)}$$

Sequence: A083318
Score: 6.86352
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 5\}$$

Sequence: A083318
Score: 7.52773
Type of gen. func.: ogf

$$-(f(x) + 8) (2 f(x) x^2 - 3 f(x) x + 2 x^2 + f(x) - 1)$$

Sequence: A083319
Score: 10.4422

Type of gen. func.: ogf

$$-\frac{2 x^{2} - 4 x + 1}{(3 x - 1) (2 x - 1) (-1 + 4 x)}$$

Sequence: A083319
Score: 5.43684
Type of gen. func.: ogf

$$-(83 f(x) + 1009) (24 f(x) x^{3} - 26 f(x) x^{2} + 9 f(x) x + 2 x^{2} - f(x) - 4 x + 1)$$

Sequence: A083319
Score: 5.72049
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 26 a(n + 1) - 24 a(n), a(0) = 1, a(1) = 5, a(2) = 21\}$$

Sequence: A083320
Score: 4.97582
Type of gen. func.: ogf

$$-(157 f(x) + 2443)$$

$$(60 f(x) x^{3} - 47 f(x) x^{2} + 12 f(x) x + 7 x^{2} - f(x) - 6 x + 1)$$

Sequence: A083320
Score: 5.27609
Type of gen. func.: ogf

$$\{a(n + 3) - 12 a(n + 2) + 47 a(n + 1) - 60 a(n), a(0) = 1, a(1) = 6, a(2) = 32\}$$

Sequence: A083320
Score: 8.10354
Type of gen. func.: lgdogf

$$-\frac{2 (210 x^{4} - 360 x^{3} + 189 x^{2} - 40 x + 3)}{(-1 + 4 x) (3 x - 1) (5 x - 1) (7 x^{2} - 6 x + 1)}$$

Sequence: A083320
Score: 9.56291
Type of gen. func.: ogf

$$-\frac{7 x^2 - 6 x + 1}{(-1 + 4 x) (3 x - 1) (5 x - 1)}$$

Sequence: A083321
Score: 12.0389
Type of gen. func.: ogf

$$\frac{7 x^2 + 6 x + 1}{(2 x + 1) (3 x + 1) (x + 1)}$$

Sequence: A083321
Score: 6.66440
Type of gen. func.: ogf

{-a(n + 3) - 6 a(n + 2) - 11 a(n + 1) - 6 a(n), a(0) = 1, a(1) = 0, a(2) = -4}

Sequence: A083321
Score: 8.29349
Type of gen. func.: ogf

$$-6 f(x) x^3 - 11 f(x) x^2 - 6 f(x) x + 7 x^2 - f(x) + 6 x + 1$$

Sequence: A083322
Score: 13.2499
Type of gen. func.: ogf

$$-\frac{2 x^2 + 1}{(x^2 - x + 1) (x + 1) (2 x - 1)}$$

Sequence: A083322

Score: 6.45509
Type of gen. func.: ogf

$$-(5751 f(x) + 5992) (2 f(x) x^{4} - f(x) x^{3} + 2 f(x) x + 2 x^{2} - f(x) + 1)$$

Sequence: A083322
Score: 9.22447
Type of gen. func.: lgdogf

$$- \frac{8 x^{5} - 2 x^{4} + 8 x^{3} - 7 x^{2} + 4 x + 2}{(2 x - 1) (x + 1) (x^{2} - x + 1) (2 x^{2} + 1)}$$

Sequence: A083323
Score: 10.3524
Type of gen. func.: ogf

$$- \frac{5 x^{2} - 4 x + 1}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A083323
Score: 5.53315
Type of gen. func.: ogf

$$-(2 f(x) + 1) (6 f(x) x^{3} - 11 f(x) x^{2} + 6 f(x) x + 5 x^{2} - f(x) - 4 x + 1)$$

Sequence: A083323
Score: 5.68005
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 11 a(n + 1) + 6 a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A083323
Score: 9.24725
Type of gen. func.: lgdogf

$$- \frac{2 (15 x^{4} - 24 x^{3} + 16 x^{2} - 6 x + 1)}{\quad}$$

$$(x - 1) (3 x - 1) (2 x - 1) (5 x^2 - 4 x + 1)$$

Sequence: A083324
Score: 10.1797
Type of gen. func.: ogf

$$- \frac{10 x^2 - 6 x + 1}{(3 x - 1) (2 x - 1) (-1 + 4 x)}$$

Sequence: A083324
Score: 5.61639
Type of gen. func.: ogf

$$(83 f(x) + 29) (24 f(x) x^3 - 26 f(x) x^2 + 9 f(x) x + 10 x^2 - f(x) - 6 x + 1)$$

Sequence: A083324
Score: 5.66522
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 26 a(n + 1) - 24 a(n), a(0) = 1, a(1) = 3, a(2) = 11\}$$

Sequence: A083324
Score: 8.63227
Type of gen. func.: lgdogf

$$- \frac{240 x^4 - 288 x^3 + 138 x^2 - 32 x + 3}{(-1 + 4 x) (3 x - 1) (2 x - 1) (10 x^2 - 6 x + 1)}$$

Sequence: A083325
Score: 5.22279
Type of gen. func.: ogf

$$\{a(n + 3) - 12 a(n + 2) + 47 a(n + 1) - 60 a(n), a(0) = 1, a(1) = 4, a(2) = 18\}$$

Sequence: A083325

Score: 6.22144
Type of gen. func.: ogf

$$(157 f(x) + 53) (60 f(x) x^3 - 47 f(x) x^2 + 12 f(x) x + 17 x^2 - f(x) - 8 x + 1)$$

Sequence: A083325
Score: 8.02000
Type of gen. func.: lgdogf

$$- \frac{4 (255 x^4 - 240 x^3 + 88 x^2 - 15 x + 1)}{(-1 + 4 x) (3 x - 1) (5 x - 1) (17 x^2 - 8 x + 1)}$$

Sequence: A083325
Score: 9.32068
Type of gen. func.: ogf

$$- \frac{17 x^2 - 8 x + 1}{(-1 + 4 x) (3 x - 1) (5 x - 1)}$$

Sequence: A083326
Score: 4.93162
Type of gen. func.: ogf

$$(827 f(x) + 277)$$

$$(120 f(x) x^3 - 74 f(x) x^2 + 15 f(x) x + 26 x^2 - f(x) - 10 x + 1)$$

Sequence: A083326
Score: 5.10022
Type of gen. func.: ogf

$$\{a(n + 3) - 15 a(n + 2) + 74 a(n + 1) - 120 a(n), a(0) = 1, a(1) = 5, a(2) = 27$$

$$\}$$

Sequence: A083326
Score: 7.69142
Type of gen. func.: lgdogf

$$-\frac{3120 x^4 - 2400 x^3 + 710 x^2 - 96 x + 5}{(6 x - 1) (-1 + 4 x) (5 x - 1) (26 x^2 - 10 x + 1)}$$

Sequence: A083326
Score: 8.90636
Type of gen. func.: ogf

$$-\frac{26 x^2 - 10 x + 1}{(6 x - 1) (-1 + 4 x) (5 x - 1)}$$

Sequence: A083327
Score: 4.11413
Type of gen. func.: ogf

$$(98 f(x) + 41) (120 f(x) x^4 - 154 f(x) x^3 + 71 f(x) x^2 - 13 x^3 - 14 f(x) x + 7 x^2 + f(x) - x)$$

Sequence: A083327
Score: 6.11631
Type of gen. func.: lgdogf

$$-\frac{3120 x^5 - 4522 x^4 + 2636 x^3 - 777 x^2 + 116 x - 7}{(-1 + 4 x) (3 x - 1) (2 x - 1) (5 x - 1) (13 x^2 - 7 x + 1)}$$

Sequence: A083327
Score: 7.30259
Type of gen. func.: ogf

$$\frac{x (13 x^2 - 7 x + 1)}{(-1 + 4 x) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A083328
Score: 3.86184

Type of gen. func.: ogf

{a(n + 4) - 18 a(n + 3) + 119 a(n + 2) - 342 a(n + 1) + 360 a(n), a(0) = 0, a(1) = 1, a(2) = 9, a(3) = 64}

Sequence: A083328
Score: 3.96838
Type of gen. func.: ogf

$$(222 f(x) + 121) (360 f(x) x^4 - 342 f(x) x^3 + 119 f(x) x^2 - 21 x^3 - 18 f(x) x + 9 x^2 + f(x) - x)$$

Sequence: A083328
Score: 5.89876
Type of gen. func.: lgdogf

$$- \frac{15120 x^5 - 16902 x^4 + 7596 x^3 - 1719 x^2 + 196 x - 9}{(6 x - 1) (-1 + 4 x) (3 x - 1) (5 x - 1) (21 x^2 - 9 x + 1)}$$

Sequence: A083328
Score: 7.10388
Type of gen. func.: ogf

$$\frac{x (21 x^2 - 9 x + 1)}{(6 x - 1) (-1 + 4 x) (3 x - 1) (5 x - 1)}$$

Sequence: A083329
Score: 14.3159
Type of gen. func.: ogf

$$\frac{x^2 - x + 1}{(2 x - 1) (x - 1)}$$

Sequence: A083329
Score: 18.9211

Type of gen. func.: lgdogf

$$-\frac{x^2 + 2 x - 2}{(x - 1) (2 x - 1) (x^2 - x + 1)}$$

Sequence: A083329
Score: 7.43866
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A083329
Score: 8.92638
Type of gen. func.: ogf

$$f(x) (2 f(x) x^2 - 3 f(x) x - x^2 + f(x) + x - 1)$$

Sequence: A083330
Score: 5.26217
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 26 a(n + 1) - 24 a(n), a(0) = 1, a(1) = 4, a(2) = 17\}$$

Sequence: A083330
Score: 5.30834
Type of gen. func.: ogf

$$(2 f(x) - 11) (24 f(x) x^3 - 26 f(x) x^2 + 9 f(x) x + 7 x^2 - f(x) - 5 x + 1)$$

Sequence: A083330
Score: 8.23066
Type of gen. func.: lgdogf

$$-\frac{168 x^4 - 240 x^3 + 139 x^2 - 38 x + 4}{(3 x - 1) (2 x - 1) (-1 + 4 x) (7 x^2 - 5 x + 1)}$$

Sequence: A083330
Score: 9.60556
Type of gen. func.: ogf

$$-\frac{7x^2-5x+1}{(3x-1)(2x-1)(-1+4x)}$$

Sequence: A083331
Score: 5.09262
Type of gen. func.: ogf

$$-(17f(x)+277)(60f(x)x^3-47f(x)x^2+12f(x)x+13x^2-f(x)-7x+1)$$

Sequence: A083331
Score: 5.35603
Type of gen. func.: ogf

$\{a(n+3)-12a(n+2)+47a(n+1)-60a(n),\ a(0)=1,\ a(1)=5,\ a(2)=26\}$

Sequence: A083331
Score: 8.34157
Type of gen. func.: lgdogf

$$-\frac{780x^4-840x^3+353x^2-68x+5}{(-1+4x)(3x-1)(5x-1)(13x^2-7x+1)}$$

Sequence: A083331
Score: 9.55845
Type of gen. func.: ogf

$$-\frac{13x^2-7x+1}{(-1+4x)(3x-1)(5x-1)}$$

Sequence: A083332
Score: 5.91284

Type of gen. func.: ogf

$$(387 f(x) + 827) (16 f(x) x^4 - 10 f(x) x^2 + 16 x^3 - 4 x^2 + f(x) - 5 x - 1)$$

Sequence: A083332
Score: 7.27390
Type of gen. func.: lgdogf

$$- \frac{256 x^6 - 128 x^5 - 80 x^4 - 64 x^3 + 2 x^2 + 28 x + 5}{(2 x^2 - 1) (8 x^2 - 1) (16 x^3 - 4 x^2 - 5 x - 1)}$$

Sequence: A083332
Score: 9.39100
Type of gen. func.: ogf

$$- \frac{16 x^3 - 4 x^2 - 5 x - 1}{(2 x^2 - 1) (8 x^2 - 1)}$$

Sequence: A083333
Score: 10.9489
Type of gen. func.: ogf

$$- \frac{4 x^2 - x - 1}{(2 x^2 - 1) (8 x^2 - 1)}$$

Sequence: A083333
Score: 6.39588
Type of gen. func.: ogf

$$-(43 f(x) + 16) (16 f(x) x^4 - 10 f(x) x^2 + 4 x^2 + f(x) - x - 1)$$

Sequence: A083333
Score: 9.04002
Type of gen. func.: lgdogf

$$- \frac{128 x^5 - 48 x^4 - 64 x^3 + 10 x^2 + 12 x + 1}{(2 x^2 - 1) (4 x^2 - x - 1) (8 x^2 - 1)}$$

Sequence: A083334
Score: 5.60429
Type of gen. func.: ogf

$$(11726 f(x) + 29985) (25 f(x) x^4 - 12 f(x) x^2 + 25 x^3 - 5 x^2 + f(x) - 6 x - 1)$$

Sequence: A083334
Score: 7.14891
Type of gen. func.: lgdogf

$$- \frac{625 x^6 - 250 x^5 - 150 x^4 - 100 x^3 - 3 x^2 + 34 x + 6}{(25 x^3 - 5 x^2 - 6 x - 1) (25 x^4 - 12 x^2 + 1)}$$

Sequence: A083334
Score: 9.23062
Type of gen. func.: ogf

$$- \frac{25 x^3 - 5 x^2 - 6 x - 1}{25 x^4 - 12 x^2 + 1}$$

Sequence: A083335
Score: 11.4516
Type of gen. func.: ogf

$$- \frac{5 x^2 - x - 1}{25 x^4 - 12 x^2 + 1}$$

Sequence: A083335
Score: 6.4966
Type of gen. func.: ogf

$$-(1066 f(x) + 475) (25 f(x) x^4 - 12 f(x) x^2 + 5 x^2 + f(x) - x - 1)$$

Sequence: A083335
Score: 9.60093
Type of gen. func.: lgdogf

$$- \frac{250 x^5 - 75 x^4 - 100 x^3 + 12 x^2 + 14 x + 1}{(5 x^2 - x - 1) (25 x^4 - 12 x^2 + 1)}$$

Sequence: A083336
Score: 11.4671
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - 3 x^4 - 4 x^3 + 4 x^2 + 6 x + 1}{(x^2 - x - 1) (x^4 - 4 x^2 + 1)}$$

Sequence: A083336
Score: 11.5069
Type of gen. func.: ogf

$$- \frac{3 (x^2 - x - 1)}{x^4 - 4 x^2 + 1}$$

Sequence: A083336
Score: 6.90412
Type of gen. func.: ogf

$$(82 f(x) + 21) (f(x) x^4 - 4 f(x) x^2 + 3 x^2 + f(x) - 3 x - 3)$$

Sequence: A083337
Score: 13.8081
Type of gen. func.: revogf

$$\frac{-3 - 2 x + (4 x^2 + 4 x + 3)^{1/2} 3^{1/2}}{4 x}$$

Sequence: A083337
Score: 14.5508
Type of gen. func.: ogf

$$-2 f(x) x^2 - 2 f(x) x + f(x) - 3 x$$

Sequence: A083337
Score: 15.9383
Type of gen. func.: ogf

$$- \frac{3 x}{2 x^2 + 2 x - 1}$$

Sequence: A083337
Score: 24.1642
Type of gen. func.: lgdogf

$$- \frac{2 (2 x + 1)}{2 x^2 + 2 x - 1}$$

Sequence: A083337
Score: 7.28044
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 3\}$$

Sequence: A083363
Score: 11.6697
Type of gen. func.: lgdogf

$$\frac{10 x^4 + 17 x^3 + 47 x^2 + 15 x + 7}{(x - 1) (x + 1) (x^5 - x^4 - 7 x^3 - 2 x^2 - 6 x - 1)}$$

Sequence: A083363
Score: 8.12568
Type of gen. func.: ogf

$$\frac{x^5 - x^4 - 7 x^3 - 2 x^2 - 6 x - 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A083364
Score: 6.70864
Type of gen. func.: ogf

$$\frac{x^5 + 6 x^4 + 3 x^3 + 9 x^2 + 4 x + 1}{(x + 1)^3 (x - 1)^4}$$

Sequence: A083364
Score: 9.05835
Type of gen. func.: lgdogf

$$-\frac{2 x^6 + 19 x^5 + 23 x^4 + 72 x^3 + 42 x^2 + 29 x + 5}{(x - 1) (x + 1) (x^5 + 6 x^4 + 3 x^3 + 9 x^2 + 4 x + 1)}$$

Sequence: A083365
Score: 15.3387
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{1 - x}{x^3 + x^2 + x + 1}$$

Sequence: A083374
Score: 10.4957
Type of gen. func.: ogf

$$-\frac{6 x (x + 1)}{{}^{5}}$$

$$(x - 1)$$

Sequence: A083374
Score: 33.8806
Type of gen. func.: lgdogf

$$- \frac{2 (3 + 2 x)}{(x - 1) (x + 1)}$$

Sequence: A083374
Score: 37.2003
Type of gen. func.: ogf_with_Euler_transform]

$$[6 - x]$$

Sequence: A083374
Score: 5.87449
Type of gen. func.: ogf

$$\{(n + 2) a(n + 3) - 6 a(n + 2) + (-4 - n) a(n + 1), a(0) = 0, a(1) = 6, a(2) = 36\}$$

Sequence: A083392
Score: 18.3021
Type of gen. func.: ogf

$$\frac{x}{(x - 1) (x + 1)^3}$$

Sequence: A083392
Score: 35.5611
Type of gen. func.: ogf_with_Euler_transform]

$$[-2 + 3 x]$$

Sequence: A083392
Score: 36.5957
Type of gen. func.: lgdogf

$$-\frac{2(2x-1)}{(x-1)(x+1)}$$

Sequence: A083392
Score: 5.64199
Type of gen. func.: ogf

$\{(-n-2)a(n+3) - 2a(n+2) + (n+4)a(n+1), a(0) = 0, a(1) = -1, a(2) = 2\}$

Sequence: A083392
Score: 7.57965
Type of gen. func.: ogf

$$(6f(x) - 1)(f(x)x^4 + 2f(x)x^3 - 2f(x)x - f(x) - x)$$

Sequence: A083410
Score: 9.66635
Type of gen. func.: revegf]

$$\frac{1}{2}\ln(8x+3) - \frac{1}{2}\ln(2x+1) - \frac{1}{2}\ln(1 + 2(2x+1)^{1/2}) + \frac{1}{2}\ln(-1 + 2(2x+1)^{1/2})$$

Sequence: A083416
Score: 11.0666
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 - 2x - 1}{(2x^2 - 1)(x-1)(x+1)}$$

Sequence: A083416
Score: 6.78615
Type of gen. func.: ogf

$\{a(n+4) - 3a(n+2) + 2a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 5\}$

Sequence: A083416
Score: 6.85078
Type of gen. func.: ogf

$$-(4 f(x) - 1) (2 f(x) x^4 - 3 f(x) x^2 + x^3 - x^2 + f(x) - 2 x - 1)$$

Sequence: A083416
Score: 9.27074
Type of gen. func.: lgdogf

$$-\frac{2 x^6 - 4 x^5 - 9 x^4 - 8 x^3 + 3 x^2 + 8 x + 2}{(x - 1) (x + 1) (2 x^2 - 1) (x^3 - x^2 - 2 x - 1)}$$

Sequence: A083420
Score: 14.0003
Type of gen. func.: revogf

$$-\frac{-1 - 5 x + (9 x^2 + 18 x + 1)^{1/2}}{4 (2 x - 1)}$$

Sequence: A083420
Score: 15.8425
Type of gen. func.: lgdogf

$$-\frac{8 x^2 + 8 x - 7}{(x - 1) (2 x + 1) (-1 + 4 x)}$$

Sequence: A083420
Score: 16.3090
Type of gen. func.: ogf

$$\frac{2 x + 1}{(x - 1) (-1 + 4 x)}$$

Sequence: A083420
Score: 8.43567
Type of gen. func.: ogf

$$(27 f(x) + 22) (4 f(x) x^2 - 5 f(x) x + f(x) - 2 x - 1)$$

Sequence: A083420
Score: 8.95006
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A083421
Score: 12.3766
Type of gen. func.: ogf

$$\frac{x + 1}{(5 x - 1) (2 x - 1)}$$

Sequence: A083421
Score: 12.6624
Type of gen. func.: revogf

$$- \frac{-1 - 7 x + (9 x^2 + 18 x + 1)^{1/2}}{2 (10 x - 1)}$$

Sequence: A083421
Score: 13.9287
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^2 + 10 x - 4)}{(2 x - 1) (5 x - 1) (x + 1)}$$

Sequence: A083421
Score: 6.62007
Type of gen. func.: ogf

$$(9 f(x) + 7) (10 f(x) x^2 - 7 f(x) x + f(x) - x - 1)$$

Sequence: A083421
Score: 6.85934
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A083423
Score: 10.6169
Type of gen. func.: revegf]

$$-1/3 \operatorname{arcsinh}\left(\frac{2 \cdot 5^{1/2}}{5}\right) + 1/3 \operatorname{arcsinh}\left(\frac{5^{1/2} (9 x + 2)}{5}\right)$$

Sequence: A083423
Score: 15.3369
Type of gen. func.: ogf

$$-\frac{2 x + 1}{(3 x - 1) (3 x + 1)}$$

Sequence: A083423
Score: 15.3945
Type of gen. func.: lgdogf

$$-\frac{2 (9 x^2 + 9 x + 1)}{(3 x - 1) (2 x + 1) (3 x + 1)}$$

Sequence: A083423
Score: 8.85652
Type of gen. func.: ogf

$$-(9 f(x) - 7) (9 f(x) x^2 - f(x) + 2 x + 1)$$

Sequence: A083423
Score: 9.82520
Type of gen. func.: ogf

$$\{-a(n + 2) + 9 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A083424
Score: 14.3365
Type of gen. func.: ogf

$$-\frac{x + 1}{(2 x + 1) (-1 + 4 x)}$$

Sequence: A083424
Score: 15.4252
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (36 x^2 + 8 x + 1)^{1/2}}{2 (1 + 8 x)}$$

Sequence: A083424
Score: 16.6429
Type of gen. func.: lgdogf

$$-\frac{8 x^2 + 16 x + 3}{(-1 + 4 x) (2 x + 1) (x + 1)}$$

Sequence: A083424
Score: 7.0895
Type of gen. func.: ogf

$$-(22 f(x) - 13) (8 f(x) x^2 + 2 f(x) x - f(x) + x + 1)$$

Sequence: A083424
Score: 7.86761
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 8 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A083425
Score: 20.0394
Type of gen. func.: revogf

$$\frac{-1 - 4 x + (36 x^2 + 8 x + 1)^{1/2}}{10 x}$$

Sequence: A083425
Score: 22.2464
Type of gen. func.: ogf

$$- \frac{1}{(x + 1) (5 x - 1)}$$

Sequence: A083425
Score: 30.0591
Type of gen. func.: lgdogf

$$- \frac{2 (2 + 5 x)}{(x + 1) (5 x - 1)}$$

Sequence: A083425
Score: 8.5364
Type of gen. func.: ogf

$$-(13 f(x) - 5) (5 f(x) x^2 + 4 f(x) x - f(x) + 1)$$

Sequence: A083425
Score: 8.95280
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 5 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A083426
Score: 12.5039
Type of gen. func.: ogf

$$-\frac{3x-1}{(7x-1)(2x-1)}$$

Sequence: A083426
Score: 13.0976
Type of gen. func.: revogf

$$-\frac{-1-9x+(25x^2+6x+1)^{1/2}}{2(3+14x)}$$

Sequence: A083426
Score: 13.0976
Type of gen. func.: lgdogf

$$-\frac{2(21x^2-14x+3)}{(3x-1)(2x-1)(7x-1)}$$

Sequence: A083426
Score: 6.18474
Type of gen. func.: ogf

$$-(137 f(x)+25)(14 f(x) x^2-9 f(x) x+f(x)+3x-1)$$

Sequence: A083426
Score: 6.92988
Type of gen. func.: ogf

$$\{a(n+2)-9a(n+1)+14a(n),\ a(0)=1,\ a(1)=6\}$$

Sequence: A083441
Score: 3.85383
Type of gen. func.: ogf

$$\frac{9100x^6-300x^4-891x^3+111x^2-1}{(10x+1)(x+1)(10x^2-1)(10x-1)^2(x-1)^2}$$

Sequence: A083445
Score: 11.5282
Type of gen. func.: ogf

$$\frac{18 (5 x - 1)}{(x - 1) (9 x - 1) (10 x - 1)}$$

Sequence: A083445
Score: 5.35563
Type of gen. func.: ogf

$$-(11380832 f(x) + 13816575)$$

$$(90 f(x) x^3 - 109 f(x) x^2 + 20 f(x) x - f(x) - 90 x + 18)$$

Sequence: A083445
Score: 5.57513
Type of gen. func.: ogf

$$\{-a(n + 3) + 20 a(n + 2) - 109 a(n + 1) + 90 a(n), a(0) = 18, a(1) = 270,$$

$$a(2) = 3438\}$$

Sequence: A083445
Score: 8.93181
Type of gen. func.: lgdogf

$$- \frac{900 x^3 - 815 x^2 + 218 x - 15}{(x - 1) (9 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A083446
Score: 4.43961
Type of gen. func.: ogf

$$-(11380832 f(x) + 1535175)$$

$$(90 f(x) x^3 - 109 f(x) x^2 + 20 f(x) x - f(x) - 10 x + 2)$$

Sequence: A083446
Score: 4.66345
Type of gen. func.: ogf

$\{-a(n + 3) + 20 a(n + 2) - 109 a(n + 1) + 90 a(n), a(0) = 2, a(1) = 30,$

$a(2) = 382\}$

Sequence: A083446
Score: 9.20999
Type of gen. func.: lgdogf

$$-\frac{900 x^3 - 815 x^2 + 218 x - 15}{(x - 1) (9 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A083446
Score: 9.56812
Type of gen. func.: ogf

$$\frac{2 (5 x - 1)}{(x - 1) (9 x - 1) (10 x - 1)}$$

Sequence: A083456
Score: 14.4652
Type of gen. func.: lgdogf

$$\frac{32 x^5 - 49 x^4 + 18 x^3 - 9 x^2 - 2}{(x - 1) (8 x^5 - 3 x^4 + 3 x^3 + x + 1)}$$

Sequence: A083456
Score: 14.7447
Type of gen. func.: ogf

$$-\frac{8 x^5 - 3 x^4 + 3 x^3 + x + 1}{x - 1}$$

Sequence: A083457

Score: 13.8537
Type of gen. func.: lgdogf

$$\frac{2\,(14\,x^5 - 28\,x^4 + 22\,x^3 - 12\,x^2 - 1)}{(x - 1)\,(7\,x^5 - 7\,x^4 + 8\,x^3 + x + 1)}$$

Sequence: A083457
Score: 14.8146
Type of gen. func.: ogf

$$-\frac{7\,x^5 - 7\,x^4 + 8\,x^3 + x + 1}{x - 1}$$

Sequence: A083460
Score: 4.80296
Type of gen. func.: ogf

$$-\frac{999680\,x^6 - 1005898\,x^5 + 6763\,x^4 - 577\,x^3 + 26\,x^2 + 17\,x - 2}{(x - 1)\,(10\,x - 1)}$$

Sequence: A083461
Score: 5.21950
Type of gen. func.: ogf

$$-\frac{x\,(997570\,x^5 - 1097327\,x^4 + 109677\,x^3 - 9952\,x^2 + 26\,x - 3)}{(x - 1)\,(10\,x - 1)}$$

Sequence: A083488
Score: 18.5095
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A083490
Score: 4.30399
Type of gen. func.: ogf

$$2 (50 x^{15} + 5 x^{14} - 55 x^{13} - 10 x^{12} - 10 x^{11} - 10 x^{10} - 10 x^{9} + 10 x^{7} + 10 x^{6} + 7 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 1) / ((x - 1) (x + 1) (10 x^{8} - 1))$$

Sequence: A083511
Score: 7.79182
Type of gen. func.: ogf

$$- \frac{11 (x^{4} + x^{3} + 7 x^{2} + x + 1)}{(x + 1)^{2} (x - 1)^{3}}$$

Sequence: A083559
Score: 4.81456
Type of gen. func.: ogf

$$- \frac{x^{9} - 3 x^{8} + 3 x^{7} - 2 x^{6} - 10 x^{5} - 15 x^{4} - 19 x^{3} - 17 x^{2} - 9 x - 1}{(x + 1) (x^{2} + 1) (x - 1)^{4}}$$

Sequence: A083560
Score: 4.03294
Type of gen. func.: ogf

$$(x^{11} - 4 x^{10} + 6 x^{9} - 4 x^{8} + 2 x^{7} - 4 x^{6} - 21 x^{5} - 73 x^{4} - 93 x^{3} - 74 x^{2} - 23 x - 1) / ((x^{2} + x + 1) (x - 1)^{5})$$

Sequence: A083564
Score: 4.07266
Type of gen. func.: ogf

$$-(5421 f(x) - 1724) (f(x) x^{4} + 3 f(x) x^{3} - 6 f(x) x^{2} + 4 x^{3} - 3 f(x) x + 9 x^{2} + f(x) - 12 x - 3)$$

Sequence: A083564
Score: 6.78608
Type of gen. func.: lgdogf

$$- \frac{4 x^6 + 18 x^5 + 15 x^4 - 60 x^3 + 60 x^2 + 18 x + 21}{(x^2 + 4 x - 1) (x^2 - x - 1) (4 x^3 + 9 x^2 - 12 x - 3)}$$

Sequence: A083564
Score: 7.72760
Type of gen. func.: ogf

$$- \frac{4 x^3 + 9 x^2 - 12 x - 3}{(x^2 + 4 x - 1) (x^2 - x - 1)}$$

Sequence: A083570
Score: 7.73708
Type of gen. func.: lgdogf

$$- (6 x^{14} + 5 x^{12} + 12 x^{11} + 14 x^{10} + 8 x^9 + 9 x^8 + 12 x^5 + 4 x^3 + 6 x^2 + 4 x + 1) \Big/ ((x - 1) (x^2 + x + 1) (2 x^2 + 1) (x^6 + x^3 + 1) (x^4 + x + 1))$$

Sequence: A083570
Score: 9.53062
Type of gen. func.: ogf

$$- \frac{x^2 (2 x^2 + 1) (x^4 + x + 1)}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A083573
Score: 14.4629
Type of gen. func.: lgdogf

$$- \frac{-3 - 253241 x^2 + (127153 x^4 + 966 x^2 + 9)^{1/2}}{}$$

75924 x

Sequence: A083575
Score: 12.9231
Type of gen. func.: revegf]

$$\frac{1}{2}\ln(7 + 2 x) - \operatorname{arctanh}((10 x + 36)^{1/2}) - \frac{1}{2}\ln(7) + \operatorname{arctanh}(6)$$

Sequence: A083575
Score: 17.2517
Type of gen. func.: ogf

$$-\frac{7 x - 6}{(2 x - 1) (x - 1)}$$

Sequence: A083575
Score: 19.5503
Type of gen. func.: lgdogf

$$-\frac{14 x^2 - 24 x + 11}{(x - 1) (7 x - 6) (2 x - 1)}$$

Sequence: A083575
Score: 8.62583
Type of gen. func.: ogf

$$-(9 f(x) + 67) (2 f(x) x^2 - 3 f(x) x + f(x) + 7 x - 6)$$

Sequence: A083575
Score: 9.35333
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 6, a(1) = 11\}$$

Sequence: A083578
Score: 12.7076
Type of gen. func.: ogf

$$\frac{x - 1}{(1 + 4 x) (6 x - 1)}$$

Sequence: A083578
Score: 14.6761
Type of gen. func.: lgdogf

$$- \frac{24 x^{2} - 48 x - 1}{(x - 1) (6 x - 1) (1 + 4 x)}$$

Sequence: A083578
Score: 6.49498
Type of gen. func.: ogf

$$(700 f(x) - 699) (24 f(x) x^{2} + 2 f(x) x - f(x) - x + 1)$$

Sequence: A083578
Score: 7.04275
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 24 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A083579
Score: 11.2110
Type of gen. func.: lgdogf

$$- \frac{8 x^{4} - 10 x^{3} + 10 x^{2} - 3 x - 1}{(x - 1) (2 x - 1) (x + 1) (2 x^{2} - 2 x + 1)}$$

Sequence: A083579
Score: 3.83307
Type of gen. func.: ogf

$$\{(-2 n - 4) a(n + 1) + a(n + 2) n + (2 n + 3) a(n + 3) + (-n - 1) a(n + 4),$$
$$a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 4\}$$

Sequence: A083579
Score: 5.27047
Type of gen. func.: ogf

```
(307 f(x) - 46)

              4            3           2      3                  2
    (2 f(x) x  - 3 f(x) x  - f(x) x  + 2 x  + 3 f(x) x - 2 x  - f(x) + x)
```

Sequence: A083579
Score: 9.81897
Type of gen. func.: ogf

```
                                        2
                                  x (2 x  - 2 x + 1)
                            - --------------------------
                                                       2
                              (x + 1) (2 x - 1) (x - 1)
```

Sequence: A083580
Score: 11.4034
Type of gen. func.: lgdogf

```
                                    3       2
                               30 x  - 33 x  + 16 x - 3
                       - -------------------------------------
                                                   2
                         (2 x - 1) (3 x - 1) (5 x  - 4 x + 1)
```

Sequence: A083580
Score: 4.66832
Type of gen. func.: ogf

```
{a(n + 4) - 7 a(n + 3) + 16 a(n + 2) - 12 a(n + 1), a(0) = 0, a(1) = 1,

    a(2) = 3, a(3) = 10}
```

Sequence: A083580
Score: 5.25676
Type of gen. func.: ogf

```
                             3            2      3                  2
  (11 f(x) + 12) (12 f(x) x  - 16 f(x) x  + 5 x  + 7 f(x) x - 4 x  - f(x) + x)
```

Sequence: A083580
Score: 9.33664
Type of gen. func.: ogf

$$-\frac{x\,(5\,x^2 - 4\,x + 1)}{(3\,x - 1)\,(2\,x - 1)^2}$$

Sequence: A083581
Score: 17.0164
Type of gen. func.: ogf

$$-\frac{7\,x + 1}{(2\,x + 1)\,(x - 1)}$$

Sequence: A083581
Score: 21.2551
Type of gen. func.: lgdogf

$$-\frac{2\,(7\,x^2 + 2\,x + 3)}{(x - 1)\,(7\,x + 1)\,(2\,x + 1)}$$

Sequence: A083581
Score: 21.2551
Type of gen. func.: revogf

$$\frac{x - 1 + (9\,x^2 + 26\,x + 1)^{1/2}}{2\,(7 + 2\,x)}$$

Sequence: A083581
Score: 8.41467
Type of gen. func.: ogf

$$-(11\,f(x) - 49)\,(2\,f(x)\,x^2 - f(x)\,x - f(x) + 7\,x + 1)$$

Sequence: A083581

Score: 9.33824
Type of gen. func.: ogf

$$\{-a(n+2) - a(n+1) + 2\, a(n),\ a(0) = 1,\ a(1) = 6\}$$

Sequence: A083582
Score: 15.4148
Type of gen. func.: ogf

$$-\frac{1 + 6x}{(x+1)(2x-1)}$$

Sequence: A083582
Score: 18.3765
Type of gen. func.: lgdogf

$$-\frac{12x^2 + 4x + 7}{(2x-1)(1+6x)(x+1)}$$

Sequence: A083582
Score: 18.3765
Type of gen. func.: revogf

$$\frac{-1 - x + (9x^2 + 26x + 1)^{1/2}}{4(x+3)}$$

Sequence: A083582
Score: 7.97317
Type of gen. func.: ogf

$$(11 f(x) + 38)(2 f(x) x^2 + f(x) x - f(x) + 6x + 1)$$

Sequence: A083582
Score: 8.45934
Type of gen. func.: ogf

$$\{a(n+2) - a(n+1) - 2\, a(n),\ a(0) = 1,\ a(1) = 7\}$$

Sequence: A083583
Score: 15.0596
Type of gen. func.: ogf

$$-3 f(x) x + f(x) - 5 x - 1$$

Sequence: A083583
Score: 17.4909
Type of gen. func.: revogf

$$- 1/10 - \frac{3 x}{10} + \frac{(9 x^2 + 26 x + 1)^{1/2}}{10}$$

Sequence: A083583
Score: 18.3158
Type of gen. func.: ogf

$$- \frac{1 + 5 x}{3 x - 1}$$

Sequence: A083583
Score: 34.9817
Type of gen. func.: lgdogf

$$- \frac{8}{(1 + 5 x) (3 x - 1)}$$

Sequence: A083583
Score: 9.41229
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 8\}$$

Sequence: A083584
Score: 13.9355
Type of gen. func.: ogf

$$1 + 4 x$$

$$\overline{(-1 + 4 x) (x - 1)}$$

Sequence: A083584
Score: 15.3639
Type of gen. func.: revogf

$$-\frac{-1 - 5 x + (9 x^2 + 26 x + 1)^{1/2}}{8 (x - 1)}$$

Sequence: A083584
Score: 16.1725
Type of gen. func.: lgdogf

$$-\frac{16 x^2 + 8 x - 9}{(x - 1) (-1 + 4 x) (1 + 4 x)}$$

Sequence: A083584
Score: 7.20803
Type of gen. func.: ogf

$$(37 f(x) + 44) (4 f(x) x^2 - 5 f(x) x + f(x) - 4 x - 1)$$

Sequence: A083584
Score: 7.64754
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A083585
Score: 12.6414
Type of gen. func.: ogf

$$\frac{3 x + 1}{(5 x - 1) (2 x - 1)}$$

Sequence: A083585
Score: 12.9392
Type of gen. func.: revogf

$$-\frac{-1 - 7 x + (9 x^2 + 26 x + 1)^{1/2}}{2 (-3 + 10 x)}$$

Sequence: A083585
Score: 13.5554
Type of gen. func.: lgdogf

$$-\frac{10 (x + 1) (3 x - 1)}{(2 x - 1) (3 x + 1) (5 x - 1)}$$

Sequence: A083585
Score: 6.608
Type of gen. func.: ogf

$$(13 f(x) + 37) (10 f(x) x^2 - 7 f(x) x + f(x) - 3 x - 1)$$

Sequence: A083585
Score: 6.92265
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A083586
Score: 4.25172
Type of gen. func.: ogf

$$-(1443 f(x) - 1306) ($$

$$36 f(x) x^4 - 69 f(x) x^3 + 43 f(x) x^2 - 10 x^3 - 11 f(x) x + 6 x^2 + f(x) - x)$$

Sequence: A083586
Score: 8.06736
Type of gen. func.: ogf

$$x (10 x^2 - 6 x + 1)$$

```
                         -----------------------------
                                                     2
                         (-1 + 4 x) (x - 1) (3 x - 1)
```

Sequence: A083586
Score: 8.72845
Type of gen. func.: lgdogf

```
                            4        3        2
                       240 x  - 366 x  + 202 x  - 51 x + 5
                - ----------------------------------------------
                                                   2
                  (x - 1) (-1 + 4 x) (3 x - 1) (10 x  - 6 x + 1)
```

Sequence: A083587
Score: 10.1363
Type of gen. func.: lgdogf

```
                                  3       2
                           4 (17 x  - 18 x  + 7 x - 1)
                 - --------------------------------------------
                                            3      2
                   (3 x - 1) (2 x - 1) (10 x  - 2 x  - 3 x + 1)
```

Sequence: A083587
Score: 4.79132
Type of gen. func.: ogf

```
{a(n + 4) - 7 a(n + 3) + 16 a(n + 2) - 12 a(n + 1), a(0) = 1, a(1) = 4,

    a(2) = 10, a(3) = 28}
```

Sequence: A083587
Score: 5.29772
Type of gen. func.: ogf

```
(-5 + 11 f(x))

                3            2       3                    2
    (12 f(x) x  - 16 f(x) x  + 10 x  + 7 f(x) x - 2 x  - f(x) - 3 x + 1)
```

Sequence: A083587
Score: 9.05028
Type of gen. func.: ogf

```
                                  3      2
```

$$-\frac{10 x - 2 x - 3 x + 1}{(3 x - 1) (2 x - 1)^{2}}$$

Sequence: A083588
Score: 4.41515
Type of gen. func.: ogf

$$(12957 f(x) + 19328) (36 f(x) x^{4} - 69 f(x) x^{3} + 43 f(x) x^{2} - 8 x^{3} - 11 f(x) x - 7 x^{2} + f(x) + 6 x - 1)$$

Sequence: A083588
Score: 8.12168
Type of gen. func.: ogf

$$\frac{8 x^{3} + 7 x^{2} - 6 x + 1}{(-1 + 4 x) (x - 1) (3 x - 1)^{2}}$$

Sequence: A083589
Score: 16.0453
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (-1 + 4 x) (x + 1) (x^{2} + 1)}$$

Sequence: A083589
Score: 6.03539
Type of gen. func.: ogf

$$-(65279 f(x) + 129) (4 f(x) x^{5} - f(x) x^{4} - 4 f(x) x + f(x) - 1)$$

Sequence: A083590
Score: 14.8521
Type of gen. func.: ogf

1

$$\overline{(5 x - 1) (x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A083590
Score: 9.62211
Type of gen. func.: lgdogf

$$- \frac{5 (2 x^2 - x + 1) (3 x^3 + x^2 - x - 1)}{(x - 1) (5 x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A083591
Score: 10.6579
Type of gen. func.: lgdogf

$$- \frac{34 x^3 + 30 x^2 + 15 x + 3}{(3 x - 1) (2 x + 1) (x + 1) (2 x^2 + 2 x + 1)}$$

Sequence: A083591
Score: 4.48843
Type of gen. func.: ogf

$$-f(x) (12 f(x) x^4 + 14 f(x) x^3 + x^4 + 6 f(x) x^2 + 4 x^3 - f(x) x + 6 x^2 - f(x) + 4 x + 1)$$

Sequence: A083591
Score: 7.37754
Type of gen. func.: ogf

$$- \frac{(x + 1)^4}{(3 x - 1) (2 x + 1) (2 x^2 + 2 x + 1)}$$

Sequence: A083592
Score: 6.14819
Type of gen. func.: ogf

$$-\frac{(x+1)^5}{(-1+4x)(5x^4+10x^3+10x^2+5x+1)}$$

Sequence: A083593
Score: 14.6004
Type of gen. func.: lgdogf

$$-\frac{2(5x^4-2x^3-1)}{(x-1)(2x-1)(x+1)(x^2+1)}$$

Sequence: A083593
Score: 17.0751
Type of gen. func.: ogf

$$\frac{1}{(x-1)(2x-1)(x+1)(x^2+1)}$$

Sequence: A083593
Score: 6.66742
Type of gen. func.: ogf

$$-(239 f(x)+9)(2 f(x) x^5 - f(x) x^4 - 2 f(x) x + f(x) - 1)$$

Sequence: A083594
Score: 16.7832
Type of gen. func.: ogf

$$-\frac{1+6x}{(2x+1)(x-1)}$$

Sequence: A083594
Score: 21.5461
Type of gen. func.: lgdogf

2

$$-\frac{12 x + 4 x + 5}{(x - 1) (2 x + 1) (1 + 6 x)}$$

Sequence: A083594
Score: 22.1446
Type of gen. func.: revogf

$$\frac{x - 1 + (9 x^{2} + 22 x + 1)^{1/2}}{4 (x + 3)}$$

Sequence: A083594
Score: 8.20919
Type of gen. func.: ogf

$$-(59 f(x) - 218) (2 f(x) x^{2} - f(x) x - f(x) + 6 x + 1)$$

Sequence: A083594
Score: 9.21032
Type of gen. func.: ogf

$$\{-a(n + 2) - a(n + 1) + 2 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A083595
Score: 15.2622
Type of gen. func.: ogf

$$-\frac{1 + 5 x}{(x + 1) (2 x - 1)}$$

Sequence: A083595
Score: 17.2580
Type of gen. func.: revogf

$$\frac{-1 - x + (9 x^{2} + 22 x + 1)^{1/2}}{2 (5 + 2 x)}$$

Sequence: A083595
Score: 17.7122
Type of gen. func.: lgdogf

$$-\frac{2 (5 x^2 + 2 x + 3)}{(1 + 5 x) (2 x - 1) (x + 1)}$$

Sequence: A083595
Score: 7.46519
Type of gen. func.: ogf

$$-(17 f(x) + 145) (2 f(x) x^2 + f(x) x - f(x) + 5 x + 1)$$

Sequence: A083595
Score: 8.37559
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - 2 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A083596
Score: 2.67571
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 7\}$$

Sequence: A083596
Score: 4.28114
Type of gen. func.: ogf

$$-3 f(x) x + f(x) - 4 x - 1$$

Sequence: A083596
Score: 5.20272
Type of gen. func.: revogf

$$- 1/8 - \frac{3 x}{8} + \frac{(9 x^2 + 22 x + 1)^{1/2}}{8}$$

Sequence: A083596
Score: 5.20678
Type of gen. func.: ogf

$$-\frac{1 + 4 x}{3 x - 1}$$

Sequence: A083596
Score: 9.58395
Type of gen. func.: lgdogf

$$-\frac{7}{(1 + 4 x) (3 x - 1)}$$

Sequence: A083597
Score: 13.7962
Type of gen. func.: ogf

$$\frac{3 x + 1}{(-1 + 4 x) (x - 1)}$$

Sequence: A083597
Score: 14.4830
Type of gen. func.: revogf

$$-\frac{-1 - 5 x + (9 x^2 + 22 x + 1)^{1/2}}{2 (-3 + 4 x)}$$

Sequence: A083597
Score: 15.2071
Type of gen. func.: lgdogf

$$-\frac{4 (3 x^2 + 2 x - 2)}{(x - 1) (3 x + 1) (-1 + 4 x)}$$

Sequence: A083597

Score: 7.05486
Type of gen. func.: ogf

```
                         2
(65 f(x) + 191) (4 f(x) x  - 5 f(x) x + f(x) - 3 x - 1)
```

Sequence: A083597
Score: 7.57106
Type of gen. func.: ogf

```
{-a(n + 2) + 5 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 8}
```

Sequence: A083650
Score: 4.64439
Type of gen. func.: ogf_with_Euler_transform]

```
      15    14      13    12      11    10    9    8      7    6    5    4
- (2 x   + x   - 2 x   - x   + 2 x   - x   - x  + x  + 3 x  + x  - x  - x

          3    2              /     16
     + 2 x  - x  - 2 x + 1)  /  (-x   + 1)
                            /
```

Sequence: A083655
Score: 7.27518
Type of gen. func.: ogf

```
         7      6      5      4      3      2
  x (8 x  + 8 x  + 8 x  + 2 x  - 2 x  - 4 x  - 2 x - 1)
- -----------------------------------------------------
                      3          3
                  (4 x  - 1) (2 x  - 1)
```

Sequence: A083658
Score: 10.4476
Type of gen. func.: ogf

```
                       2      3
(f(x) - 1) (3 f(x) x  + 2 x  - f(x) + x + 1)
```

Sequence: A083658
Score: 15.9912
Type of gen. func.: ogf

```
                      3
```

$$-\frac{2 x + x + 1}{3 x^{2} - 1}$$

Sequence: A083658
Score: 8.16219
Type of gen. func.: ogf

$$\{-a(n + 4) + 3 a(n + 2), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 5\}$$

Sequence: A083669
Score: 10.5756
Type of gen. func.: lgdogf

$$-\frac{x^{4} + 96 x^{3} + 546 x^{2} + 456 x + 51}{(x - 1) (x^{4} + 46 x^{3} + 136 x^{2} + 46 x + 1)}$$

Sequence: A083669
Score: 6.97418
Type of gen. func.: ogf

$$-\frac{x^{4} + 46 x^{3} + 136 x^{2} + 46 x + 1}{(x - 1)^{5}}$$

Sequence: A083672
Score: 16.6164
Type of gen. func.: lgdogf

$$-\frac{3 x^{2} - 14 x - 1}{(x - 1) (3 x - 1) (x + 1)}$$

Sequence: A083672
Score: 4.35889
Type of gen. func.: ogf

$-(51 f(x) + 47) ($

$$9 f(x) x^4 + 12 f(x) x^3 - 2 f(x) x^2 + x^3 - 4 f(x) x - 3 x^2 + f(x) + 3 x - 1)$$

Sequence: A083672
Score: 8.04721
Type of gen. func.: ogf

$$-\frac{(x - 1)^3}{(x + 1)^2 (3 x - 1)^2}$$

Sequence: A083673
Score: 9.98163
Type of gen. func.: ogf

$$\frac{5 x^6 - 3 x^5 + 4 x^4 + 3 x^3 - x^2 + 2 x + 2}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A083683
Score: 11.8827
Type of gen. func.: revegf]

$$1/2 \ln(2 x + 13) - \operatorname{arctanh}((22 x + 144)^{1/2}) - 1/2 \ln(13) + \operatorname{arctanh}(12)$$

Sequence: A083683
Score: 16.2201
Type of gen. func.: ogf

$$-\frac{13 x - 12}{(2 x - 1) (x - 1)}$$

Sequence: A083683
Score: 18.2588
Type of gen. func.: lgdogf

$$-\frac{26 x^2 - 48 x + 23}{(x - 1) (2 x - 1) (13 x - 12)}$$

Sequence: A083683
Score: 8.11005
Type of gen. func.: ogf

```
                                 2
-(21 f(x) + 277) (2 f(x) x  - 3 f(x) x + f(x) + 13 x - 12)
```

Sequence: A083683
Score: 9.07555
Type of gen. func.: ogf

```
{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 12, a(1) = 23}
```

Sequence: A083686
Score: 14.0520
Type of gen. func.: revegf]

```
                                        1/2
1/2 ln(2 x + 9) - arctanh((14 x + 64)      ) - ln(3) + arctanh(8)
```

Sequence: A083686
Score: 17.4827
Type of gen. func.: ogf

```
         9 x - 8
  - -----------------
    (2 x - 1) (x - 1)
```

Sequence: A083686
Score: 19.8169
Type of gen. func.: lgdogf

```
               2
           18 x  - 32 x + 15
  - ---------------------------
    (x - 1) (9 x - 8) (2 x - 1)
```

Sequence: A083686
Score: 8.55133
Type of gen. func.: ogf

$$-(13 f(x) + 121) (2 f(x) x^2 - 3 f(x) x + f(x) + 9 x - 8)$$

Sequence: A083686
Score: 9.47859
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 8, a(1) = 15\}$$

Sequence: A083691
Score: 12.9068
Type of gen. func.: revogf

$$-\frac{(-4 - 5 x + (x^2 (8 x^2 + 8 x + 1))^{1/2}) x}{4 (x + 1)^3}$$

Sequence: A083691
Score: 5.07988
Type of gen. func.: ogf

$$2 f(x)^3 x^3 - f(x)^3 x + 6 f(x)^2 x^2 - 5 f(x)^2 x + 2 f(x)^2 + 6 f(x) x - 4 f(x) + 2$$

Sequence: A083692
Score: 3.61224
Type of gen. func.: ogf

$$-8 f(x)^3 x^4 + 4 f(x)^3 x^2 - 12 x^3 f(x)^2 - 12 f(x)^2 x^2 + 16 f(x)^2 x - 6 f(x) x^2$$
$$- 4 f(x)^2 - 12 f(x) x + 7 f(x) - x - 3$$

Sequence: A083694
Score: 10.4204
Type of gen. func.: ogf

$$-5 f(x) x^2 - 2 f(x) x + f(x) - 2 x$$

Sequence: A083694
Score: 16.6164
Type of gen. func.: ogf

$$-\frac{2 x}{5 x^2 + 2 x - 1}$$

Sequence: A083694
Score: 18.9109
Type of gen. func.: revogf

$$\frac{-1 - x + (6 x^2 + 2 x + 1)^{1/2}}{5 x}$$

Sequence: A083694
Score: 25.2146
Type of gen. func.: lgdogf

$$-\frac{2 (1 + 5 x)}{5 x^2 + 2 x - 1}$$

Sequence: A083694
Score: 7.59020
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 5 a(n), a(0) = 0, a(1) = 2\}$$

Sequence: A083695
Score: 17.1690
Type of gen. func.: revogf

$$\frac{-3 - 2 x + (8 x^2 + 4 x + 3)^{1/2} 3^{1/2}}{10 x}$$

Sequence: A083695
Score: 20.2204

Type of gen. func.: ogf

$$-\frac{3 x}{5 x^2 + 2 x - 1}$$

Sequence: A083695
Score: 30.7612
Type of gen. func.: lgdogf

$$-\frac{2 (1 + 5 x)}{5 x^2 + 2 x - 1}$$

Sequence: A083695
Score: 9.23648
Type of gen. func.: ogf

$$(2 f(x) + 3) (5 f(x) x^2 + 2 f(x) x - f(x) + 3 x)$$

Sequence: A083695
Score: 9.23649
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 5 a(n), a(0) = 0, a(1) = 3\}$$

Sequence: A083703
Score: 15.6514
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3 x^3 + 4 x^2 + 4 x + 4}{-x^4 + 1}$$

Sequence: A083705
Score: 12.4877
Type of gen. func.: revegf]

$$1/2 \ln(2 x + 11) - \operatorname{arctanh}((18 x + 100)^{1/2}) - 1/2 \ln(11) + \operatorname{arctanh}(10)$$

Sequence: A083705
Score: 17.0337
Type of gen. func.: ogf

$$-\frac{11 x - 10}{(2 x - 1) (x - 1)}$$

Sequence: A083705
Score: 19.1884
Type of gen. func.: lgdogf

$$-\frac{22 x^2 - 40 x + 19}{(11 x - 10) (x - 1) (2 x - 1)}$$

Sequence: A083705
Score: 8.51686
Type of gen. func.: ogf

$$-(17 f(x) + 191) (2 f(x) x^2 - 3 f(x) x + f(x) + 11 x - 10)$$

Sequence: A083705
Score: 9.53079
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 10, a(1) = 19\}$$

Sequence: A083706
Score: 13.6180
Type of gen. func.: ogf

$$\frac{2 x^2 - 1}{(2 x - 1) (x - 1)^2}$$

Sequence: A083706

Score: 16.5704
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^3+2\,x^2-5\,x+2)}{(2\,x-1)\,(x-1)\,(2\,x^2-1)}$$

Sequence: A083706
Score: 6.80899
Type of gen. func.: ogf

$$-(47\,f(x)+394)\,(2\,f(x)\,x^3-5\,f(x)\,x^2+4\,f(x)\,x-2\,x^2-f(x)+1)$$

Sequence: A083706
Score: 6.93058
Type of gen. func.: ogf

$$\{a(n+3)-4\,a(n+2)+5\,a(n+1)-2\,a(n),\ a(0)=1,\ a(1)=4,\ a(2)=9\}$$

Sequence: A083707
Score: 7.23350
Type of gen. func.: ogf

$$-\frac{x\,(x^4+4\,x^2+1)}{(x^2+x+1)\,(x+1)^2\,(x-1)^5}$$

Sequence: A083707
Score: 9.48273
Type of gen. func.: lgdogf

$$-\frac{5\,x^7+7\,x^6+36\,x^5+42\,x^4+45\,x^3+27\,x^2+16\,x+2}{(x-1)\,(x+1)\,(x^2+x+1)\,(x^4+4\,x^2+1)}$$

Sequence: A083708
Score: 6.54092
Type of gen. func.: ogf

$$\frac{x\,(x^4 + 4\,x^2 + 1)}{(x^2 + x + 1)^2\,(x + 1)^2\,(x - 1)^6}$$

Sequence: A083708
Score: 9.30071
Type of gen. func.: lgdogf

$$- \frac{2\,(4\,x^7 + 5\,x^6 + 24\,x^5 + 27\,x^4 + 24\,x^3 + 15\,x^2 + 8\,x + 1)}{(x - 1)\,(x + 1)\,(x^2 + x + 1)\,(x^4 + 4\,x^2 + 1)}$$

Sequence: A083709
Score: 6.38277
Type of gen. func.: ogf

$$\frac{x^6 - x^5 + 2\,x^4 + 2\,x^3 + 2\,x^2 - x + 1}{(x^2 + x + 1)\,(x + 1)^2\,(x - 1)^4}$$

Sequence: A083709
Score: 7.89785
Type of gen. func.: lgdogf

$$- \frac{x\,(2\,x^8 + 10\,x^6 + 21\,x^5 + 36\,x^4 + 24\,x^3 + 28\,x^2 + 15\,x + 8)}{(x - 1)\,(x + 1)\,(x^6 - x^5 + 2\,x^4 + 2\,x^3 + 2\,x^2 - x + 1)\,(x^2 + x + 1)}$$

Sequence: A083713
Score: 10.0027
Type of gen. func.: ogf

$$-8\,f(x)\,x^2 + 9\,f(x)\,x - f(x) + 3\,x$$

Sequence: A083713
Score: 15.2940
Type of gen. func.: revogf

$$-\frac{-3 - 9 x + (49 x^2 + 54 x + 9)^{1/2}}{16 x}$$

Sequence: A083713
Score: 15.9502
Type of gen. func.: ogf

$$\frac{3 x}{(8 x - 1) (x - 1)}$$

Sequence: A083713
Score: 23.2469
Type of gen. func.: lgdogf

$$-\frac{-9 + 16 x}{(8 x - 1) (x - 1)}$$

Sequence: A083713
Score: 7.28591
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) + 8 a(n), a(0) = 0, a(1) = 3\}$$

Sequence: A083727
Score: 10.3972
Type of gen. func.: ogf

$$-\frac{2 x (3 x - 1) (5 x - 3)}{(2 x - 1)^2 (x - 1)^2}$$

Sequence: A083727
Score: 14.2962
Type of gen. func.: lgdogf

$$-\frac{4 (15 x^3 - 21 x^2 + 9 x - 1)}{(x - 1) (3 x - 1) (5 x - 3) (2 x - 1)}$$

Sequence: A083727
Score: 4.54878
Type of gen. func.: ogf

$$\{(-2 n^2 - 10 n - 12) a(n + 1) + (3 n^2 + 12 n + 9) a(n + 2) + (-n^2 - 3 n - 2) a(n + 3), a(0) = 0, a(1) = -6, a(2) = -8\}$$

Sequence: A083727
Score: 5.80134
Type of gen. func.: ogf

$$(f(x) + 82) \left(4 f(x) x^4 - 12 f(x) x^3 + 13 f(x) x^2 + 30 x^3 - 6 f(x) x - 28 x^2 + f(x) + 6 x\right)$$

Sequence: A083744
Score: 6.41976
Type of gen. func.: lgdogf

$$(48 x^9 - 152 x^8 + 160 x^7 - 41 x^6 - 50 x^5 + 55 x^4 - 20 x^3 - 2 x^2 + 4 x + 1) \Big/ \left((x - 1) (8 x^9 - 16 x^8 + 8 x^7 + 5 x^6 - 10 x^5 + 5 x^4 + 2 x^3 - 4 x^2 + 2 x - 1)\right)$$

Sequence: A083744
Score: 7.03938
Type of gen. func.: ogf

$$\frac{8 x^9 - 16 x^8 + 8 x^7 + 5 x^6 - 10 x^5 + 5 x^4 + 2 x^3 - 4 x^2 + 2 x - 1}{(x - 1)^3}$$

Sequence: A083746
Score: 3.82468

Type of gen. func.: ogf

$$\{(-2 n^2 + 2 n) a(n) + (3 n^3 + 11 n^2 + 13 n - 3) a(n + 1) + (-3 n^2 - 5 n + 2) a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A083811
Score: 2.80554
Type of gen. func.: ogf

$$(11111 f(x) + 127080) (10 f(x) x^2 - 11 f(x) x + f(x) - 36)$$

Sequence: A083811
Score: 2.99903
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 36, a(1) = 396\}$$

Sequence: A083811
Score: 5.83665
Type of gen. func.: revogf

$$- \frac{-36 - 11 x + 3 (9 x^2 + 88 x + 144)^{1/2}}{20 x}$$

Sequence: A083811
Score: 7.24767
Type of gen. func.: ogf

$$\frac{36}{(x - 1) (10 x - 1)}$$

Sequence: A083811
Score: 9.29540
Type of gen. func.: lgdogf

$$- \frac{-11 + 20 x}{(10 x - 1) (x - 1)}$$

Sequence: A083812
Score: 18.8935
Type of gen. func.: ogf

$$\frac{18}{(x - 1)\,(10\,x - 1)}$$

Sequence: A083812
Score: 7.72915
Type of gen. func.: ogf

$$(101\,f(x) + 360)\,(10\,f(x)\,x^2 - 11\,f(x)\,x + f(x) - 18)$$

Sequence: A083812
Score: 7.81800
Type of gen. func.: ogf

$$\{-a(n + 2) + 11\,a(n + 1) - 10\,a(n),\ a(0) = 18,\ a(1) = 198\}$$

Sequence: A083813
Score: 12.9021
Type of gen. func.: lgdogf

$$-\frac{-11 + 20\,x}{(10\,x - 1)\,(x - 1)}$$

Sequence: A083813
Score: 3.90122
Type of gen. func.: ogf

$$(11111\,f(x) + 95310)\,(10\,f(x)\,x^2 - 11\,f(x)\,x + f(x) - 27)$$

Sequence: A083813
Score: 4.12543
Type of gen. func.: ogf

{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 27, a(1) = 297}

Sequence: A083813
Score: 6.96712
Type of gen. func.: revogf

$$-\frac{-11 x - 27 + 3 (3 x^{2} + 22 x + 27)^{1/2} 3^{1/2}}{20 x}$$

Sequence: A083813
Score: 9.96978
Type of gen. func.: ogf

$$\frac{27}{(x - 1) (10 x - 1)}$$

Sequence: A083816
Score: 4.42045
Type of gen. func.: ogf

$$-\frac{8000 x^{4} - 690 x^{3} + 808 x^{2} - 100 x + 1}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A083817
Score: 10.0054
Type of gen. func.: ogf

$$-\frac{2 x^{7} + x^{5} - 4 x^{4} - x^{3} + 2 x + 1}{(x - 1)^{3} (x^{2} + x + 1)^{3}}$$

Sequence: A083817
Score: 10.4458
Type of gen. func.: lgdogf

```
          9      7      6      5      4      2
     4 x  + 4 x  - 6 x  - 6 x  + 5 x  + 6 x  + 2
 - -------------------------------------------------------
          2              7    5      4    3
```

$$(x - 1) (x + x + 1) (2 x + x - 4 x - x + 2 x + 1)$$

Sequence: A083818
Score: 14.5418
Type of gen. func.: ogf

$$\frac{26 x + 1}{(x - 1) (10 x - 1)}$$

Sequence: A083818
Score: 7.25742
Type of gen. func.: revogf

$$- \frac{-37 - 11 x + (81 x^2 + 774 x + 1369)^{1/2}}{20 (x + 1)}$$

Sequence: A083818
Score: 7.57295
Type of gen. func.: lgdogf

$$- \frac{100 x^2 - 740 x + 397}{(x - 1) (10 x - 37) (10 x - 1)}$$

Sequence: A083818
Score: 7.58702
Type of gen. func.: ogf

$$(387 f(x) + 982) (10 f(x) x^2 - 11 f(x) x + f(x) - 26 x - 1)$$

Sequence: A083818
Score: 8.21182
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 37\}$$

Sequence: A083819

Score: 13.6181
Type of gen. func.: lgdogf

$$\frac{9\,(6325\,x^{4} + 8\,x^{3} + 5\,x^{2} + 6\,x + 4)}{11385\,x^{5} + 18\,x^{4} + 15\,x^{3} + 27\,x^{2} + 36\,x + 1}$$

Sequence: A083823
Score: 4.97164
Type of gen. func.: ogf

$$\{-a(n + 4) + 10\,a(n + 3) + a(n + 2) - 10\,a(n + 1),\ a(0) = 15,\ a(1) = 18,\ a(2) = 114,\ a(3) = 1107\}$$

Sequence: A083823
Score: 5.1168
Type of gen. func.: ogf

$$-(3883\,f(x) - 25835)$$

$$(10\,f(x)\,x^{3} - f(x)\,x^{2} - 99\,x^{3} - 10\,f(x)\,x + 81\,x^{2} + f(x) + 132\,x - 15)$$

Sequence: A083823
Score: 9.22370
Type of gen. func.: ogf

$$\frac{3\,(33\,x^{3} - 27\,x^{2} - 44\,x + 5)}{(x - 1)\,(10\,x - 1)\,(x + 1)}$$

Sequence: A083839
Score: 6.56531
Type of gen. func.: ogf

$$-\frac{x\,(x^{6} - 4\,x^{4} + 8\,x^{3} - 6\,x^{2} + 3\,x - 1)}{(x^{2} - x + 1)\,(x^{2} + x - 1)\,(x^{3} - x^{2} + 2\,x - 1)}$$

Sequence: A083858

Score: 10.7192
Type of gen. func.: ogf

$$-6 f(x) x^2 - 3 f(x) x + f(x) - x$$

Sequence: A083858
Score: 17.0928
Type of gen. func.: ogf

$$-\frac{x}{6 x^2 + 3 x - 1}$$

Sequence: A083858
Score: 17.3027
Type of gen. func.: revogf

$$\frac{-1 - 3 x + (33 x^2 + 6 x + 1)^{1/2}}{12 x}$$

Sequence: A083858
Score: 25.9541
Type of gen. func.: lgdogf

$$-\frac{3 (4 x + 1)}{6 x^2 + 3 x - 1}$$

Sequence: A083858
Score: 7.80780
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) + 6 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A083877
Score: 12.7466
Type of gen. func.: ogf

$$3 x^2 + 1$$

$$\overline{(x + 1) (3 x - 1)^{2}}$$

Sequence: A083877
Score: 14.0425
Type of gen. func.: lgdogf

$$-\frac{(3 x + 1) (3 x^{2} + 5)}{(3 x - 1) (x + 1) (3 x^{2} + 1)}$$

Sequence: A083877
Score: 6.42970
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 3 a(n + 1) - 9 a(n), a(0) = 1, a(1) = 5, a(2) = 25\}$$

Sequence: A083877
Score: 6.79024
Type of gen. func.: ogf

$$(f(x) - 1) (9 f(x) x^{3} + 3 f(x) x^{2} - 5 f(x) x - 3 x^{2} + f(x) - 1)$$

Sequence: A083878
Score: 13.5871
Type of gen. func.: ogf

$$-\frac{3 x - 1}{7 x^{2} - 6 x + 1}$$

Sequence: A083878
Score: 15.3559
Type of gen. func.: lgdogf

$$-\frac{21 x^{2} - 14 x + 3}{(3 x - 1) (7 x^{2} - 6 x + 1)}$$

Sequence: A083878
Score: 16.1859
Type of gen. func.: revogf

$$-\frac{-1 - 6 x + (8 x^2 + 1)^{1/2}}{2 (3 + 7 x)}$$

Sequence: A083878
Score: 7.19319
Type of gen. func.: ogf

$$(2 f(x) + 1) (7 f(x) x^2 - 6 f(x) x + f(x) + 3 x - 1)$$

Sequence: A083878
Score: 7.45635
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 7 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A083879
Score: 13.4393
Type of gen. func.: ogf

$$-\frac{4 x - 1}{14 x^2 - 8 x + 1}$$

Sequence: A083879
Score: 15.1461
Type of gen. func.: lgdogf

$$-\frac{4 (14 x^2 - 7 x + 1)}{(4 x - 1) (14 x^2 - 8 x + 1)}$$

Sequence: A083879

Score: 6.71966
Type of gen. func.: ogf

$$-(25 f(x) + 39) (14 f(x) x^2 - 8 f(x) x + f(x) + 4 x - 1)$$

Sequence: A083879
Score: 7.44829
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 14 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A083880
Score: 12.8259
Type of gen. func.: ogf

$$- \frac{5 x - 1}{23 x^2 - 10 x + 1}$$

Sequence: A083880
Score: 14.4058
Type of gen. func.: lgdogf

$$- \frac{115 x^2 - 46 x + 5}{(5 x - 1) (23 x^2 - 10 x + 1)}$$

Sequence: A083880
Score: 6.55234
Type of gen. func.: ogf

$$-(4 f(x) + 21) (23 f(x) x^2 - 10 f(x) x + f(x) + 5 x - 1)$$

Sequence: A083880
Score: 7.17637
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 23 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A083881
Score: 14.1445
Type of gen. func.: ogf

$$-\frac{3x-1}{6x^2-6x+1}$$

Sequence: A083881
Score: 15.9990
Type of gen. func.: lgdogf

$$-\frac{3(6x^2-4x+1)}{(3x-1)(6x^2-6x+1)}$$

Sequence: A083881
Score: 7.07228
Type of gen. func.: ogf

$$-(10 f(x) - 1) (6 f(x) x^2 - 6 f(x) x + f(x) + 3 x - 1)$$

Sequence: A083881
Score: 7.76224
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 6 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A083882
Score: 12.5752
Type of gen. func.: ogf

$$-\frac{4x-1}{13x^2-8x+1}$$

Sequence: A083882
Score: 13.8117

Type of gen. func.: lgdogf

$$-\frac{2\,(26\,x^2-13\,x+2)}{(4\,x-1)\,(13\,x^2-8\,x+1)}$$

Sequence: A083882
Score: 6.42733
Type of gen. func.: ogf

$$-(3\,f(x)+5)\,(13\,f(x)\,x^2-8\,f(x)\,x+f(x)+4\,x-1)$$

Sequence: A083882
Score: 6.96939
Type of gen. func.: ogf

$$\{a(n+2)-8\,a(n+1)+13\,a(n),\ a(0)=1,\ a(1)=4\}$$

Sequence: A083884
Score: 15.2226
Type of gen. func.: ogf

$$-\frac{5\,x-1}{(9\,x-1)\,(x-1)}$$

Sequence: A083884
Score: 18.1069
Type of gen. func.: lgdogf

$$-\frac{45\,x^2-18\,x+5}{(x-1)\,(9\,x-1)\,(5\,x-1)}$$

Sequence: A083884
Score: 7.69495
Type of gen. func.: ogf

$$-(32\,f(x)-7)\,(9\,f(x)\,x^2-10\,f(x)\,x+f(x)+5\,x-1)$$

Sequence: A083884
Score: 8.43663
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 9 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A083885
Score: 5.02049
Type of gen. func.: ogf

$$\{-a(n + 4) + 4 a(n + 3) + 4 a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 1,$$
$$a(2) = 6, a(3) = 16\}$$

Sequence: A083885
Score: 5.33925
Type of gen. func.: ogf

$$-(23 + 72 f(x))$$
$$(16 f(x) x^3 - 4 f(x) x^2 - 4 x^3 - 4 f(x) x + 2 x^2 + f(x) + 3 x - 1)$$

Sequence: A083885
Score: 9.03932
Type of gen. func.: lgdogf

$$\frac{16 x^4 + 64 x^3 - 40 x^2 + 4 x + 1}{(x - 1) (4 x - 1) (2 x + 1) (2 x - 1) (4 x^2 + 2 x - 1)}$$

Sequence: A083885
Score: 9.61066
Type of gen. func.: ogf

$$\frac{(x - 1) (4 x^2 + 2 x - 1)}{(2 x + 1) (2 x - 1) (4 x - 1)}$$

Sequence: A083886
Score: 179.196
Type of gen. func.: lgdegf]

$$3 + 2 x$$

Sequence: A083886
Score: 7.63874
Type of gen. func.: ogf

$$\{(-2 n - 4) a(n + 1) + a(n + 3) - 3 a(n + 2), a(0) = 1, a(1) = 3, a(2) = 11\}$$

Sequence: A083909
Score: 17.3173
Type of gen. func.: ogf

$$\frac{9}{(100 x - 1) (10 x - 1)}$$

Sequence: A083909
Score: 7.0006
Type of gen. func.: ogf

$$(11111 f(x) + 31770) (1000 f(x) x^2 - 110 f(x) x + f(x) - 9)$$

Sequence: A083909
Score: 7.39389
Type of gen. func.: ogf

$$\{-a(n + 2) + 110 a(n + 1) - 1000 a(n), a(0) = 9, a(1) = 990\}$$

Sequence: A083943
Score: 12.0231
Type of gen. func.: ogf

$$- \frac{(3 x - 1) x}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A083943
Score: 15.6644
Type of gen. func.: lgdogf

$$-\frac{12 x^3 - 9 x^2 + 2 x - 1}{(x - 1) (3 x - 1) (2 x - 1) (x + 1)}$$

Sequence: A083943
Score: 6.17401
Type of gen. func.: ogf

$$-(f(x) - 1) (2 f(x) x^3 - f(x) x^2 - 2 f(x) x + 3 x^2 + f(x) - x)$$

Sequence: A083943
Score: 6.17402
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + a(n + 1) - 2 a(n), a(0) = 0, a(1) = 1, a(2) = -1\}$$

Sequence: A083944
Score: 11.8565
Type of gen. func.: ogf

$$-\frac{x (4 x - 1)}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A083944
Score: 15.3879
Type of gen. func.: lgdogf

$$-\frac{2 (8 x^3 - 5 x^2 + x - 1)}{(x - 1) (4 x - 1) (2 x - 1) (x + 1)}$$

Sequence: A083944
Score: 5.87668
Type of gen. func.: ogf

$$-(101 f(x) - 224) (2 f(x) x^3 - f(x) x^2 - 2 f(x) x + 4 x^2 + f(x) - x)$$

Sequence: A083944
Score: 6.08846
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + a(n + 1) - 2 a(n), a(0) = 0, a(1) = 1, a(2) = -2\}$$

Sequence: A084006
Score: 4.71828
Type of gen. func.: ogf

$$-\frac{9 (1000 x^{8} - 1110 x^{5} + 90 x^{4} + 40 x^{3} + 121 x^{2} + 9 x + 4)}{(x - 1) (100 x^{3} - 1) (10 x^{3} - 1) (x^{2} + x + 1)}$$

Sequence: A084012
Score: 3.64793
Type of gen. func.: egf]

$$(f(x) x - f(x) + 1)^{2}$$

Sequence: A084021
Score: 8.86180
Type of gen. func.: lgdogf

$$\frac{3240 x^{11} - 10440 x^{10} + 11250 x^{9} - 4050 x^{8} + 10 x - 7}{(x - 1) (405 x^{11} - 855 x^{10} + 450 x^{9} - 5 x + 4)}$$

Sequence: A084021
Score: 9.19754
Type of gen. func.: ogf

$$-\frac{2 (405 x^{11} - 855 x^{10} + 450 x^{9} - 5 x + 4)}{(x - 1)^{3}}$$

Sequence: A084056
Score: 12.8375
Type of gen. func.: ogf

$$\frac{x (2 x - 1)}{(x - 1) (x + 1)^2}$$

Sequence: A084056
Score: 24.7861
Type of gen. func.: lgdogf

$$- \frac{4 x^2 - 5 x + 3}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A084056
Score: 6.59221
Type of gen. func.: ogf

$$\{a(n + 3) + a(n + 2) - a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = -3\}$$

Sequence: A084056
Score: 8.60865
Type of gen. func.: ogf

$$f(x) x^3 + f(x) x^2 - f(x) x - 2 x^2 - f(x) + x$$

Sequence: A084057
Score: 16.8832
Type of gen. func.: ogf

$$\frac{x - 1}{4 x^2 + 2 x - 1}$$

Sequence: A084057
Score: 18.1523
Type of gen. func.: lgdogf

$$-\frac{4x^2 - 8x - 1}{(x-1)(4x^2 + 2x - 1)}$$

Sequence: A084057
Score: 8.73267
Type of gen. func.: ogf

$$(40 f(x) - 39) (4 f(x) x^2 + 2 f(x) x - f(x) - x + 1)$$

Sequence: A084057
Score: 9.26515
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A084058
Score: 14.9499
Type of gen. func.: ogf

$$\frac{x - 1}{7x^2 + 2x - 1}$$

Sequence: A084058
Score: 18.3297
Type of gen. func.: lgdogf

$$-\frac{7x^2 - 14x - 1}{(x-1)(7x^2 + 2x - 1)}$$

Sequence: A084058
Score: 7.7327
Type of gen. func.: ogf

$$(88 f(x) - 87) (7 f(x) x^2 + 2 f(x) x - f(x) - x + 1)$$

Sequence: A084058
Score: 8.20422
Type of gen. func.: ogf

$$\{-a(n+2) + 2\, a(n+1) + 7\, a(n),\ a(0) = 1,\ a(1) = 1\}$$

Sequence: A084059
Score: 13.6568
Type of gen. func.: ogf

$$\frac{2 x - 1}{2 x^2 + 4 x - 1}$$

Sequence: A084059
Score: 15.0504
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^2 - 2 x - 1)}{(2 x - 1) (2 x^2 + 4 x - 1)}$$

Sequence: A084059
Score: 17.2004
Type of gen. func.: revogf

$$\frac{-1 - 4 x + (24 x^2 + 1)^{1/2}}{4 (x - 1)}$$

Sequence: A084059
Score: 7.06387
Type of gen. func.: ogf

$$(27 f(x) - 23) (2 f(x) x^2 + 4 f(x) x - f(x) - 2 x + 1)$$

Sequence: A084059

Score: 7.49459
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A084060
Score: 14.0848
Type of gen. func.: ogf

$$\frac{3 x^2 - 4 x - 1}{(x - 1) (x + 1)^2}$$

Sequence: A084060
Score: 21.0012
Type of gen. func.: lgdogf

$$- \frac{(x - 3) (3 x^2 - 2 x + 1)}{(x - 1) (x + 1) (3 x^2 - 4 x - 1)}$$

Sequence: A084060
Score: 7.47107
Type of gen. func.: ogf

$$-(6 f(x) + 5) (f(x) x^3 + f(x) x^2 - f(x) x - 3 x^2 - f(x) + 4 x + 1)$$

Sequence: A084060
Score: 7.67118
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) + a(n + 1) + a(n), a(0) = 1, a(1) = 3, a(2) = -5\}$$

Sequence: A084066
Score: 5.15144
Type of gen. func.: ogf

$$- (571 x^{34} + 1959 x^{33} - 3628 x^{23} + 2594 x^{22} - 2370 x^{12} - 820 x^{11} + 530 x + 53)$$

```
       /                33       22        11
      /  ((x - 1) (230 x   - 94 x   - 290 x   + 53))
     /



------------------------------------------------------------------------------

Sequence:  A084068
Score: 12.8291
Type of gen. func.: ogf


                                          2
                                   (x + 1)
                         -----------------------------
                           2              2
                         (x  + 2 x - 1) (x  - 2 x - 1)



------------------------------------------------------------------------------

Sequence:  A084068
Score: 14.0716
Type of gen. func.: lgdogf


                                 4      3
                             2 (x  + 2 x  - 6 x - 1)
                    - -------------------------------------
                                2              2
                      (x + 1) (x  + 2 x - 1) (x  - 2 x - 1)



------------------------------------------------------------------------------

Sequence:  A084068
Score: 7.61727
Type of gen. func.: ogf


                                 4           2    2
          (478 f(x) + 13) (f(x) x  - 6 f(x) x  - x  + f(x) - 2 x - 1)



------------------------------------------------------------------------------

Sequence:  A084069
Score: 10.3030
Type of gen. func.: lgdogf


                         5      4      3       2
                      2 x  + 9 x  + 4 x  - 48 x  - 34 x - 3
                    - -------------------------------------
                           2              4       2
                         (x  + 3 x + 1) (x  - 16 x  + 1)



------------------------------------------------------------------------------

Sequence:  A084069
Score: 11.2328
Type of gen. func.: ogf


                                   2
```

$$\frac{x + 3 x + 1}{x^{4} - 16 x^{2} + 1}$$

Sequence: A084069
Score: 6.64797
Type of gen. func.: ogf

$$(8638 f(x) + 33) (f(x) x^{4} - 16 f(x) x^{2} - x^{2} + f(x) - 3 x - 1)$$

Sequence: A084070
Score: 10.8134
Type of gen. func.: ogf

$$-f(x) x^{2} + 38 f(x) x - f(x) + 6 x$$

Sequence: A084070
Score: 13.0675
Type of gen. func.: revogf

$$- \frac{-19 x - 3 + (3 + 20 x)^{1/2} (1 + 6 x)^{1/2} 3^{1/2}}{x}$$

Sequence: A084070
Score: 17.0738
Type of gen. func.: ogf

$$\frac{6 x}{x^{2} - 38 x + 1}$$

Sequence: A084070
Score: 27.8394
Type of gen. func.: lgdogf

$$- \frac{2 (-19 + x)}{x^{2} - 38 x + 1}$$

Sequence: A084070
Score: 7.91226
Type of gen. func.: ogf

$$\{a(n + 2) - 38 a(n + 1) + a(n), a(0) = 0, a(1) = 6\}$$

Sequence: A084075
Score: 13.0515
Type of gen. func.: revogf

$$-\frac{((4 x + 1)^{1/2} - 2 x - 1) (4 x + 1)^{1/2}}{2 x (2 x + 1)}$$

Sequence: A084075
Score: 5.08213
Type of gen. func.: ogf

$$4 f(x)^3 x^4 + 4 x^3 f(x)^2 + 8 f(x)^2 x^2 - 4 f(x)^2 x + f(x) x^2 + 6 f(x) x - f(x) + 1$$

Sequence: A084076
Score: 8.02647
Type of gen. func.: ogf

$$2 x^3 f(x)^2 + 2 f(x)^2 x^2 + 5 f(x) x - f(x) + 1$$

Sequence: A084076
Score: 9.93212
Type of gen. func.: revogf

$$\frac{2 (x^2 + 6 x + 1)^{1/2} x + (x^2 + 6 x + 1)^{1/2} - 1 - 5 x - 2 x^2}{4 x^2}$$

Sequence: A084077

Score: 5.7591
Type of gen. func.: ogf

$$-2 f(x)^2 x^4 - 2 x^3 f(x)^2 - 2 f(x) x^2 - 3 f(x) x + f(x) - 1$$

Sequence: A084078
Score: 17.0137
Type of gen. func.: revogf

$$-\frac{(-x - 3 + (x^2 + 6 x + 1)^{1/2}) x}{2 (x + 1)}$$

Sequence: A084078
Score: 5.89622
Type of gen. func.: ogf

$$f(x)^3 x^2 - f(x)^2 x^2 + 4 f(x)^2 x - 2 f(x)^2 - 2 f(x) x + 3 f(x) - 1$$

Sequence: A084080
Score: 22.9928
Type of gen. func.: revogf

$$\frac{x (3 x^2 + 3 x + 1)}{(x + 1)^4}$$

Sequence: A084081
Score: 5.43715
Type of gen. func.: ogf

$$f(x)^3 x^4 - 3 x^3 f(x)^2 + 10 f(x)^2 x^2 - 4 f(x)^2 x + 3 f(x) x^2 - 2 f(x) x + f(x) - x$$

Sequence: A084084
Score: 12.2332
Type of gen. func.: ogf

$$-\frac{x+1}{x^{3}+3x^{2}+2x-1}$$

Sequence: A084084
Score: 14.4393
Type of gen. func.: lgdogf

$$-\frac{2x^{3}+6x^{2}+6x+3}{(x+1)(x^{3}+3x^{2}+2x-1)}$$

Sequence: A084084
Score: 5.78895
Type of gen. func.: ogf

$$\{a(n+3)-2a(n+2)-3a(n+1)-a(n),\ a(0)=1,\ a(1)=3,\ a(2)=9\}$$

Sequence: A084084
Score: 5.94827
Type of gen. func.: ogf

$$-(37f(x)-10)(f(x)x^{3}+3f(x)x^{2}+2f(x)x-f(x)+x+1)$$

Sequence: A084085
Score: 11.1438
Type of gen. func.: ogf

$$-\frac{x^{3}-x+1}{x^{4}-x^{2}+3x-1}$$

Sequence: A084085
Score: 11.9007
Type of gen. func.: lgdogf

$$-\frac{x^{6}-2x^{4}-2x^{3}+4x^{2}-2x+2}{{}^{3}\qquad\qquad {}^{4}\quad {}^{2}}$$

$$(x - x + 1) (x - x + 3 x - 1)$$

Sequence: A084085
Score: 5.86008
Type of gen. func.: ogf

$$-(15 f(x) + 7) (f(x) x^4 - f(x) x^2 + x^3 + 3 f(x) x - f(x) - x + 1)$$

Sequence: A084086
Score: 5.13610
Type of gen. func.: ogf

$\{-a(n + 4) + 5 a(n + 3) - 7 a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 5,$
$a(3) = 15\}$

Sequence: A084086
Score: 6.31262
Type of gen. func.: ogf

$$-(34 + 81 f(x)) (2 f(x) x^3 - 7 f(x) x^2 + 2 x^3 + 5 f(x) x + 2 x^2 - f(x) - 3 x + 1)$$

Sequence: A084086
Score: 9.56817
Type of gen. func.: lgdogf

$$-\frac{18 x^4 - 32 x^3 + 23 x^2 - 10 x + 2}{(2 x - 1) (x^2 - 3 x + 1) (2 x^3 + 2 x^2 - 3 x + 1)}$$

Sequence: A084086
Score: 9.90001
Type of gen. func.: ogf

$$-\frac{2 x^3 + 2 x^2 - 3 x + 1}{(2 x - 1) (x^2 - 3 x + 1)}$$

Sequence: A084099
Score: 14.1375
Type of gen. func.: ogf

$$f(x) x^2 - x^2 + f(x) - 2 x - 1$$

Sequence: A084099
Score: 15.2916
Type of gen. func.: ogf

$$\frac{(x + 1)^2}{x^2 + 1}$$

Sequence: A084099
Score: 25.7844
Type of gen. func.: ogf_with_Euler_transform]

$$[x^3 - 3 x + 2]$$

Sequence: A084099
Score: 49.7128
Type of gen. func.: lgdogf

$$- \frac{2 (x - 1)}{(x + 1) (x^2 + 1)}$$

Sequence: A084099
Score: 9.02757
Type of gen. func.: ogf

$$\{a(n + 3) + a(n + 1), a(0) = 1, a(1) = 2, a(2) = 0\}$$

Sequence: A084100
Score: 14.6405
Type of gen. func.: ogf

$$-\frac{(x-1)(x+1)^2}{x^2+1}$$

Sequence: A084100
Score: 28.3182
Type of gen. func.: lgdogf

$$\frac{x^3-x^2+5x-1}{(x-1)(x+1)(x^2+1)}$$

Sequence: A084100
Score: 28.7057
Type of gen. func.: ogf_with_Euler_transform]

$$[x^3-3x+1]$$

Sequence: A084100
Score: 8.69280
Type of gen. func.: ogf

{-a(n + 4) - a(n + 2), a(0) = 1, a(1) = 1, a(2) = -2, a(3) = -2}

Sequence: A084100
Score: 9.59206
Type of gen. func.: ogf

$$-(5f(x)-6)(f(x)x^2+x^3+x^2+f(x)-x-1)$$

Sequence: A084101
Score: 16.2507
Type of gen. func.: ogf

$$-\frac{(x+1)^2}{2}$$

$$(x - 1) (x + 1)$$

Sequence: A084101
Score: 25.5968
Type of gen. func.: lgdogf

$$-\frac{x^3 + 3 x^2 - 3 x + 3}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A084101
Score: 34.1122
Type of gen. func.: ogf_with_Euler_transform]

$$[x^3 - 3 x + 3]$$

Sequence: A084101
Score: 8.61994
Type of gen. func.: ogf

$$-(f(x) + 8) (f(x) x^3 - f(x) x^2 + f(x) x + x^2 - f(x) + 2 x + 1)$$

Sequence: A084101
Score: 8.85083
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 3, a(2) = 3\}$$

Sequence: A084102
Score: 11.7912
Type of gen. func.: ogf

$$-2 f(x) x^2 - 2 f(x) x + 4 x^2 - f(x) + 4 x + 1$$

Sequence: A084102
Score: 15.7957
Type of gen. func.: ogf

$$\frac{(2 x + 1)^2}{2 x^2 + 2 x + 1}$$

Sequence: A084102
Score: 40.8211
Type of gen. func.: lgdogf

$$\frac{2}{(2 x + 1) (2 x^2 + 2 x + 1)}$$

Sequence: A084102
Score: 8.20757
Type of gen. func.: ogf

{a(n + 3) + 2 a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = -2}

Sequence: A084103
Score: 13.0749
Type of gen. func.: ogf

$$\frac{(x + 1)^2}{x^2 - x + 1}$$

Sequence: A084103
Score: 20.9470
Type of gen. func.: ogf_with_Euler_transform]

$$x^5 - x^2 - 3 x + 3$$

Sequence: A084103
Score: 39.1858
Type of gen. func.: lgdogf

$$- \frac{3 (x - 1)}{}$$

$$(x + 1) (x^2 - x + 1)$$

Sequence: A084103
Score: 6.79383
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) - a(n + 1), a(0) = 1, a(1) = 3, a(2) = 3\}$$

Sequence: A084103
Score: 9.76015
Type of gen. func.: ogf

$$f(x) x^2 - f(x) x - x^2 + f(x) - 2 x - 1$$

Sequence: A084104
Score: 16.2507
Type of gen. func.: ogf

$$- \frac{(x + 1)^2}{(x - 1) (x^2 - x + 1)}$$

Sequence: A084104
Score: 24.3169
Type of gen. func.: lgdogf

$$- \frac{x^3 + 3 x^2 - 6 x + 4}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A084104
Score: 29.9774
Type of gen. func.: ogf_with_Euler_transform]

$$x^5 - x^2 - 3 x + 4$$

Sequence: A084104
Score: 8.77251
Type of gen. func.: ogf

$$(9 f(x) - 128) (f(x) x^3 - 2 f(x) x^2 + 2 f(x) x + x^2 - f(x) + 2 x + 1)$$

Sequence: A084104
Score: 8.85083
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 4, a(2) = 7\}$$

Sequence: A084120
Score: 12.4487
Type of gen. func.: ogf

$$-\frac{3 x - 1}{3 x^2 - 6 x + 1}$$

Sequence: A084120
Score: 14.4214
Type of gen. func.: lgdogf

$$-\frac{3 (3 x^2 - 2 x + 1)}{(3 x - 1) (3 x^2 - 6 x + 1)}$$

Sequence: A084120
Score: 6.15596
Type of gen. func.: ogf

$$-(22 f(x) - 13) (3 f(x) x^2 - 6 f(x) x + f(x) + 3 x - 1)$$

Sequence: A084120
Score: 6.83161
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A084128
Score: 15.6784
Type of gen. func.: ogf

$$\frac{2 x - 1}{4 x^2 + 4 x - 1}$$

Sequence: A084128
Score: 17.7645
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^2 - 4 x - 1)}{(2 x - 1) (4 x^2 + 4 x - 1)}$$

Sequence: A084128
Score: 18.2320
Type of gen. func.: revogf

$$\frac{-1 - 4 x + (32 x^2 + 1)^{1/2}}{4 (2 x - 1)}$$

Sequence: A084128
Score: 8.20381
Type of gen. func.: ogf

$$(10 f(x) - 9) (4 f(x) x^2 + 4 f(x) x - f(x) - 2 x + 1)$$

Sequence: A084128
Score: 8.60399
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A084130
Score: 13.8695
Type of gen. func.: ogf

$$-\frac{4x-1}{8x^2-8x+1}$$

Sequence: A084130
Score: 15.6910
Type of gen. func.: lgdogf

$$-\frac{4(8x^2-4x+1)}{(4x-1)(8x^2-8x+1)}$$

Sequence: A084130
Score: 7.01266
Type of gen. func.: ogf

$$-(7f(x)-3)(8f(x)x^2-8f(x)x+f(x)+4x-1)$$

Sequence: A084130
Score: 7.61130
Type of gen. func.: ogf

$$\{a(n+2)-8a(n+1)+8a(n),\ a(0)=1,\ a(1)=4\}$$

Sequence: A084131
Score: 12.5566
Type of gen. func.: ogf

$$-\frac{5x-1}{17x^2-10x+1}$$

Sequence: A084131
Score: 14.4544
Type of gen. func.: lgdogf

$$-\frac{85 x^2 - 34 x + 5}{(5 x - 1) (17 x^2 - 10 x + 1)}$$

Sequence: A084131
Score: 6.27829
Type of gen. func.: ogf

$$-(664 f(x) - 39) (17 f(x) x^2 - 10 f(x) x + f(x) + 5 x - 1)$$

Sequence: A084131
Score: 7.02570
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 17 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A084132
Score: 13.3258
Type of gen. func.: ogf

$$\frac{2 x - 1}{6 x^2 + 4 x - 1}$$

Sequence: A084132
Score: 15.0589
Type of gen. func.: lgdogf

$$-\frac{2 (6 x^2 - 6 x - 1)}{(2 x - 1) (6 x^2 + 4 x - 1)}$$

Sequence: A084132
Score: 6.89267
Type of gen. func.: ogf

$$(55 f(x) - 51) (6 f(x) x^2 + 4 f(x) x - f(x) - 2 x + 1)$$

Sequence: A084132
Score: 7.31295
Type of gen. func.: ogf

$$\{-a(n+2) + 4\,a(n+1) + 6\,a(n),\ a(0) = 1,\ a(1) = 2\}$$

Sequence: A084133
Score: 3.92064
Type of gen. func.: ogf

$$\frac{3x - 1}{x^2 + 6x - 1}$$

Sequence: A084134
Score: 12.6486
Type of gen. func.: ogf

$$-\frac{4x - 1}{6x^2 - 8x + 1}$$

Sequence: A084134
Score: 14.6633
Type of gen. func.: lgdogf

$$-\frac{4\,(6x^2 - 3x + 1)}{(4x - 1)\,(6x^2 - 8x + 1)}$$

Sequence: A084134
Score: 6.18684
Type of gen. func.: ogf

$$-(145\,f(x) - 81)\,(6\,f(x)\,x^2 - 8\,f(x)\,x + f(x) + 4x - 1)$$

Sequence: A084134
Score: 6.94133

Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 6 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A084135
Score: 12.8753
Type of gen. func.: ogf

$$-\frac{5 x - 1}{15 x^2 - 10 x + 1}$$

Sequence: A084135
Score: 14.4672
Type of gen. func.: lgdogf

$$-\frac{5 (15 x^2 - 6 x + 1)}{(5 x - 1) (15 x^2 - 10 x + 1)}$$

Sequence: A084135
Score: 6.57759
Type of gen. func.: ogf

$$-(34 f(x) - 9) (15 f(x) x^2 - 10 f(x) x + f(x) + 5 x - 1)$$

Sequence: A084135
Score: 7.20401
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 15 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A084136
Score: 10.6592
Type of gen. func.: ogf

$$-\frac{(x + 1) (3 x - 1)}{(x - 1) (7 x^2 + 2 x - 1)}$$

Sequence: A084136
Score: 5.65403
Type of gen. func.: ogf

$$-(4 f(x) - 1) (7 f(x) x^3 - 5 f(x) x^2 - 3 f(x) x + 3 x^2 + f(x) + 2 x - 1)$$

Sequence: A084136
Score: 5.80548
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 5 a(n + 1) + 7 a(n), a(0) = 1, a(1) = 1, a(2) = 5\}$$

Sequence: A084136
Score: 9.95841
Type of gen. func.: lgdogf

$$-\frac{21 x^4 + 28 x^3 - 22 x^2 + 4 x + 1}{(x - 1) (3 x - 1) (x + 1) (7 x^2 + 2 x - 1)}$$

Sequence: A084137
Score: 11.0597
Type of gen. func.: lgdogf

$$-\frac{2 (32 x^3 - 4 x^2 - 4 x + 1)}{(2 x - 1) (4 x - 1) (4 x^2 + 4 x - 1)}$$

Sequence: A084137
Score: 11.7137
Type of gen. func.: ogf

$$-\frac{4 x - 1}{(2 x - 1) (4 x^2 + 4 x - 1)}$$

Sequence: A084137
Score: 5.54310
Type of gen. func.: ogf

$$\{a(n+3) - 6\,a(n+2) + 4\,a(n+1) + 8\,a(n),\ a(0) = 1,\ a(1) = 2,\ a(2) = 8\}$$

Sequence: A084137
Score: 5.80213
Type of gen. func.: ogf

$$-(f(x) - 1)\,(8\,f(x)\,x^3 + 4\,f(x)\,x^2 - 6\,f(x)\,x + f(x) + 4\,x - 1)$$

Sequence: A084150
Score: 16.0521
Type of gen. func.: ogf

$$\frac{x^2}{(x - 1)\,(7\,x^2 + 2\,x - 1)}$$

Sequence: A084150
Score: 17.6114
Type of gen. func.: lgdogf

$$-\frac{21\,x^2 - 10\,x - 3}{(x - 1)\,(7\,x^2 + 2\,x - 1)}$$

Sequence: A084150
Score: 5.98305
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) - 5\,a(n+1) + 7\,a(n),\ a(0) = 0,\ a(1) = 0,\ a(2) = 1\}$$

Sequence: A084150
Score: 8.12513
Type of gen. func.: ogf

$$-7\,f(x)\,x^3 + 5\,f(x)\,x^2 + 3\,f(x)\,x + x^2 - f(x)$$

Sequence: A084151
Score: 13.6889
Type of gen. func.: ogf

$$-\frac{x^2}{(3 x - 1) (x^2 - 6 x + 1)}$$

Sequence: A084151
Score: 5.17958
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 19 a(n + 1) - 3 a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A084151
Score: 7.01139
Type of gen. func.: ogf

$$3 f(x) x^3 - 19 f(x) x^2 + 9 f(x) x + x^2 - f(x)$$

Sequence: A084152
Score: 16.2905
Type of gen. func.: ogf

$$\frac{x^2}{(x - 1) (2 x + 1) (4 x - 1)}$$

Sequence: A084152
Score: 6.07191
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 6 a(n + 1) + 8 a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A084152
Score: 8.2458
Type of gen. func.: ogf

$$-8 f(x) x^3 + 6 f(x) x^2 + 3 f(x) x + x^2 - f(x)$$

Sequence: A084153
Score: 14.0249
Type of gen. func.: ogf

$$\frac{x^2}{(2 x - 1) (5 x - 1) (x + 1)}$$

Sequence: A084153
Score: 17.2645
Type of gen. func.: lgdogf

$$- \frac{6 (5 x^2 + x - 1)}{(2 x - 1) (5 x - 1) (x + 1)}$$

Sequence: A084153
Score: 5.81211
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 3 a(n + 1) - 10 a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A084153
Score: 7.86762
Type of gen. func.: ogf

$$10 f(x) x^3 + 3 f(x) x^2 - 6 f(x) x - x^2 + f(x)$$

Sequence: A084154
Score: 10.0750
Type of gen. func.: ogf

$$- \frac{x (2 x^2 - 2 x + 1)}{(2 x^2 - 1) (2 x^2 - 4 x + 1)}$$

Sequence: A084154
Score: 5.64549
Type of gen. func.: ogf

$$(16 f(x) - 1) (4 f(x) x^4 - 8 f(x) x^3 + 2 x^3 + 4 f(x) x - 2 x^2 - f(x) + x)$$

Sequence: A084154
Score: 8.71762
Type of gen. func.: lgdogf

$$- \frac{2 (2 x - 1) (4 x^4 - 8 x^3 + 8 x^2 - 4 x - 1)}{(2 x^2 - 1) (2 x^2 - 4 x + 1) (2 x^2 - 2 x + 1)}$$

Sequence: A084155
Score: 4.21825
Type of gen. func.: ogf

$$-(32 f(x) - 1) (7 f(x) x^4 + 8 f(x) x^3 - 18 f(x) x^2 + 5 x^3 + 8 f(x) x - 4 x^2 - f(x) + x)$$

Sequence: A084155
Score: 7.92347
Type of gen. func.: ogf

$$- \frac{x (5 x^2 - 4 x + 1)}{(7 x^2 - 6 x + 1) (x^2 + 2 x - 1)}$$

Sequence: A084156
Score: 5.5663
Type of gen. func.: ogf

$$(40 f(x) - 7) (3 f(x) x^4 - 12 f(x) x^3 + 2 f(x) x^2 + 3 x^3 + 4 f(x) x - 2 x^2 - f(x) + x)$$

Sequence: A084156
Score: 8.43869
Type of gen. func.: lgdogf

$$-\frac{2\,(9\,x^5-27\,x^4+30\,x^3-26\,x^2+5\,x+1)}{(3\,x^2-1)\,(3\,x^2-2\,x+1)\,(x^2-4\,x+1)}$$

Sequence: A084156
Score: 8.56918
Type of gen. func.: ogf

$$-\frac{x\,(3\,x^2-2\,x+1)}{(x^2-4\,x+1)\,(3\,x^2-1)}$$

Sequence: A084157
Score: 5.22582
Type of gen. func.: ogf

$$(8\,f(x)-1)\,(12\,f(x)\,x^4-16\,f(x)\,x^2+6\,x^3+8\,f(x)\,x-4\,x^2-f(x)+x)$$

Sequence: A084157
Score: 7.62043
Type of gen. func.: lgdogf

$$-\frac{4\,(36\,x^5-36\,x^4+12\,x^3+4\,x^2-5\,x+1)}{(2\,x^2+2\,x-1)\,(6\,x^2-4\,x+1)\,(6\,x^2-6\,x+1)}$$

Sequence: A084157
Score: 9.12569
Type of gen. func.: ogf

$$-\frac{x\,(6\,x^2-4\,x+1)}{(2\,x^2+2\,x-1)\,(6\,x^2-6\,x+1)}$$

Sequence: A084158
Score: 13.4632
Type of gen. func.: ogf

$$\frac{x}{(x+1)(x^2-6x+1)}$$

Sequence: A084158
Score: 17.5462
Type of gen. func.: lgdogf

$$-\frac{3x^2-10x-5}{(x+1)(x^2-6x+1)}$$

Sequence: A084158
Score: 5.45805
Type of gen. func.: ogf

$$\{-a(n+3)+5a(n+2)+5a(n+1)-a(n), a(0)=0, a(1)=1, a(2)=5\}$$

Sequence: A084158
Score: 5.82543
Type of gen. func.: ogf

$$-(87 f(x)+5)(f(x)x^3-5f(x)x^2-5f(x)x+f(x)-x)$$

Sequence: A084159
Score: 13.3109
Type of gen. func.: lgdogf

$$-\frac{x^3-3x^2+15x+3}{(x-1)(x+1)(x^2-6x+1)}$$

Sequence: A084159
Score: 5.17299
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) - 5 a(n + 1) + a(n), a(0) = 1, a(1) = 3, a(2) = 21\}$$

Sequence: A084159
Score: 5.21918
Type of gen. func.: ogf

$$(58 f(x) + 5) (f(x) x^{3} - 5 f(x) x^{2} - 5 f(x) x - x^{2} + f(x) + 2 x - 1)$$

Sequence: A084159
Score: 9.58275
Type of gen. func.: ogf

$$\frac{(x - 1)^{2}}{(x + 1) (x^{2} - 6 x + 1)}$$

Sequence: A084169
Score: 4.53697
Type of gen. func.: ogf

$$(2842 f(x) - 1949) (4 f(x) x^{4} - 4 f(x) x^{3} - 13 f(x) x^{2} + 2 x^{3} - 2 f(x) x + f(x) - x)$$

Sequence: A084169
Score: 8.30242
Type of gen. func.: lgdogf

$$- \frac{2 (8 x^{5} - 4 x^{4} - 8 x^{3} + 8 x^{2} + 11 x + 1)}{(4 x^{2} + 4 x - 1) (2 x^{2} - 1) (x^{2} - 2 x - 1)}$$

Sequence: A084169
Score: 9.07392
Type of gen. func.: ogf

$$-\frac{x\,(2\,x^{2}-1)}{(4\,x^{2}+4\,x-1)\,(x^{2}-2\,x-1)}$$

Sequence: A084170
Score: 12.6469
Type of gen. func.: ogf

$$\frac{x^{2}+1}{(x-1)\,(2\,x-1)\,(x+1)}$$

Sequence: A084170
Score: 14.4288
Type of gen. func.: lgdogf

$$-\frac{2\,(x^{4}+4\,x^{2}-2\,x-1)}{(x-1)\,(2\,x-1)\,(x+1)\,(x^{2}+1)}$$

Sequence: A084170
Score: 6.43638
Type of gen. func.: ogf

$$\{a(n+3)-2\,a(n+2)-a(n+1)+2\,a(n),\ a(0)=1,\ a(1)=2,\ a(2)=6\}$$

Sequence: A084170
Score: 6.67475
Type of gen. func.: ogf

$$(4\,f(x)+11)\,(2\,f(x)\,x^{3}-f(x)\,x^{2}-2\,f(x)\,x-x^{2}+f(x)-1)$$

Sequence: A084171
Score: 12.4791
Type of gen. func.: ogf

$$2\,x^{2}-2\,x+1$$
$$\overline{\phantom{2\,x^{2}-2\,x+1}}$$

$$(3 x - 1) (2 x - 1)$$

Sequence: A084171
Score: 14.7355
Type of gen. func.: lgdogf

$$\frac{2 x^2 - 8 x + 3}{(3 x - 1) (2 x - 1) (2 x^2 - 2 x + 1)}$$

Sequence: A084171
Score: 6.42130
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 11\}$$

Sequence: A084171
Score: 6.81849
Type of gen. func.: ogf

$$-(f(x) + 1) (6 f(x) x^2 - 5 f(x) x - 2 x^2 + f(x) + 2 x - 1)$$

Sequence: A084172
Score: 11.7483
Type of gen. func.: lgdogf

$$- \frac{4 x^5 - x^3 + x^2 + 2 x - 2}{(x - 1) (2 x - 1) (x + 1) (2 x^3 - x^2 - x + 1)}$$

Sequence: A084172
Score: 4.97895
Type of gen. func.: ogf

$$\{-a(n + 4) + 3 a(n + 3) - a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 9\}$$

Sequence: A084172
Score: 5.0864
Type of gen. func.: ogf

$$(43 f(x) - 18) (2 f(x) x^4 - 3 f(x) x^3 - f(x) x^2 + 2 x^3 + 3 f(x) x - x^2 - f(x) - x + 1)$$

Sequence: A084172
Score: 9.18196
Type of gen. func.: ogf

$$- \frac{2 x^3 - x^2 - x + 1}{(x + 1) (2 x - 1) (x - 1)^2}$$

Sequence: A084173
Score: 3.63385
Type of gen. func.: ogf

$$\{(-2 n - 4) a(n + 1) + a(n + 2) n + (2 n + 3) a(n + 3) + (-n - 1) a(n + 4),$$
$$a(0) = 1, a(1) = 3, a(2) = 5, a(3) = 13\}$$

Sequence: A084173
Score: 5.08739
Type of gen. func.: ogf

$$(27 f(x) - 14) (2 f(x) x^4 - 3 f(x) x^3 - f(x) x^2 + 4 x^3 + 3 f(x) x - 3 x^2 - f(x) + 1)$$

Sequence: A084173
Score: 9.40819
Type of gen. func.: ogf

$$- \frac{4 x^3 - 3 x^2 + 1}{(x + 1) (2 x - 1) (x - 1)^2}$$

Sequence: A084173
Score: 9.75452
Type of gen. func.: lgdogf

$$-\frac{8x^5-4x^4+9x^3-7x^2+5x-3}{(x-1)(2x-1)(x+1)(4x^3-3x^2+1)}$$

Sequence: A084174
Score: 10.2420
Type of gen. func.: lgdogf

$$-\frac{2x^5+6x^4-8x^3+6x^2-x-1}{(x-1)(2x-1)(x+1)(x^3+x^2-2x+1)}$$

Sequence: A084174
Score: 3.72382
Type of gen. func.: ogf

$$\{(2n+4)a(n+1)-a(n+2)n+(-2n-3)a(n+3)+(n+1)a(n+4),$$

$$a(0)=1,\ a(1)=1,\ a(2)=3,\ a(3)=6\}$$

Sequence: A084174
Score: 5.00056
Type of gen. func.: ogf

$$(243 f(x) - 97)$$

$$(2 f(x) x^4 - 3 f(x) x^3 - f(x) x^2 + x^3 + 3 f(x) x + x^2 - f(x) - 2x + 1)$$

Sequence: A084174
Score: 9.09194
Type of gen. func.: ogf

$$-\frac{x^3+x^2-2x+1}{(x+1)(2x-1)(x-1)^2}$$

Sequence: A084175
Score: 14.5923
Type of gen. func.: ogf

$$\frac{x}{(x - 1) (2 x + 1) (4 x - 1)}$$

Sequence: A084175
Score: 16.1749
Type of gen. func.: lgdogf

$$- \frac{3 (8 x^2 - 4 x - 1)}{(x - 1) (2 x + 1) (4 x - 1)}$$

Sequence: A084175
Score: 5.91578
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + 6 a(n + 1) - 8 a(n), a(0) = 0, a(1) = 1, a(2) = 3\}$$

Sequence: A084175
Score: 6.37525
Type of gen. func.: ogf

$$-(3 f(x) + 1) (8 f(x) x^3 - 6 f(x) x^2 - 3 f(x) x + f(x) - x)$$

Sequence: A084177
Score: 10.8120
Type of gen. func.: ogf

$$- \frac{x (x - 1)}{(2 x - 1) (5 x - 1) (x + 1)}$$

Sequence: A084177
Score: 12.3538
Type of gen. func.: lgdogf

3 2

$$-\frac{20 x - 27 x - 6 x + 5}{(x - 1) (2 x - 1) (5 x - 1) (x + 1)}$$

Sequence: A084177
Score: 5.59909
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 3 a(n + 1) - 10 a(n), a(0) = 0, a(1) = 1, a(2) = 5\}$$

Sequence: A084177
Score: 7.29185
Type of gen. func.: ogf

$$10 f(x) x^3 + 3 f(x) x^2 - 6 f(x) x + x^2 + f(x) - x$$

Sequence: A084178
Score: 13.2234
Type of gen. func.: ogf

$$-\frac{x (x + 1)}{(2 x + 1) (x^2 + x - 1)}$$

Sequence: A084178
Score: 20.0877
Type of gen. func.: lgdogf

$$-\frac{x (4 x^2 + 9 x + 6)}{(2 x + 1) (x + 1) (x^2 + x - 1)}$$

Sequence: A084178
Score: 6.85213
Type of gen. func.: ogf

$$\{a(n + 3) + a(n + 2) - 3 a(n + 1) - 2 a(n), a(0) = 0, a(1) = 1, a(2) = 0\}$$

Sequence: A084178
Score: 7.3178
Type of gen. func.: ogf

$$-f(x)\ (2\ f(x)\ x^{3} + 3\ f(x)\ x^{2} - f(x)\ x + x^{2} - f(x) + x)$$

Sequence: A084179
Score: 16.4564
Type of gen. func.: ogf

$$-\frac{x}{(2\ x + 1)\ (x^{2} + x - 1)}$$

Sequence: A084179
Score: 23.8296
Type of gen. func.: lgdogf

$$-\frac{6\ x^{2} + 6\ x - 1}{(2\ x + 1)\ (x^{2} + x - 1)}$$

Sequence: A084179
Score: 6.67150
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) + 3\ a(n + 1) + 2\ a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = -1\}$$

Sequence: A084179
Score: 7.48016
Type of gen. func.: ogf

$$(f(x) - 1)\ (2\ f(x)\ x^{3} + 3\ f(x)\ x^{2} - f(x)\ x - f(x) + x)$$

Sequence: A084180
Score: 2.95621
Type of gen. func.: ogf

$$-4\ f(x)\ x^{2} + 5\ f(x)\ x - f(x) + 2\ x$$

Sequence: A084180
Score: 4.71397
Type of gen. func.: ogf

$$\frac{2 x}{(4 x - 1) (x - 1)}$$

Sequence: A084180
Score: 6.94674
Type of gen. func.: lgdogf

$$- \frac{-5 + 8 x}{(4 x - 1) (x - 1)}$$

Sequence: A084181
Score: 12.6018
Type of gen. func.: ogf

$$- \frac{4 x^2 + 2 x + 1}{(2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A084181
Score: 6.86347
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) + 4 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 1, a(2) = 7\}$$

Sequence: A084181
Score: 6.86348
Type of gen. func.: ogf

$$(19 f(x) + 9) (4 f(x) x^3 + 4 f(x) x^2 - f(x) x + 4 x^2 - f(x) + 2 x + 1)$$

Sequence: A084182
Score: 13.1654
Type of gen. func.: ogf

$$-\frac{3 x^2 + 1}{(x + 1) (3 x - 1)}$$

Sequence: A084182
Score: 15.8018
Type of gen. func.: lgdogf

$$\frac{2 (3 x^2 - 6 x - 1)}{(3 x - 1) (x + 1) (3 x^2 + 1)}$$

Sequence: A084182
Score: 6.26315
Type of gen. func.: ogf

{-a(n + 3) + 2 a(n + 2) + 3 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 10}

Sequence: A084182
Score: 7.08905
Type of gen. func.: ogf

$$(14 f(x) - 13) (3 f(x) x^2 + 2 f(x) x + 3 x^2 - f(x) + 1)$$

Sequence: A084183
Score: 11.1216
Type of gen. func.: lgdogf

$$-\frac{8 x^4 + 16 x^3 + 22 x^2 + 12 x + 1}{(2 x + 1) (2 x - 1) (x + 1) (2 x^2 + 2 x + 1)}$$

Sequence: A084183
Score: 11.2844
Type of gen. func.: ogf

$$x (2 x^2 + 2 x + 1)$$

$$-\frac{}{(2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A084183
Score: 5.59911
Type of gen. func.: ogf

{-a(n + 4) - a(n + 3) + 4 a(n + 2) + 4 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 1,

a(3) = 5}

Sequence: A084183
Score: 6.32313
Type of gen. func.: ogf

$$(73 f(x) + 1) (4 f(x) x^3 + 4 f(x) x^2 + 2 x^3 - f(x) x + 2 x^2 - f(x) + x)$$

Sequence: A084184
Score: 12.7180
Type of gen. func.: ogf

$$\frac{x (2 x^2 + 2 x + 1)}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A084184
Score: 7.75799
Type of gen. func.: ogf

$$(124 f(x) - 29) (4 f(x) x^4 - 5 f(x) x^2 - 2 x^3 - 2 x^2 + f(x) - x)$$

Sequence: A084184
Score: 9.23437
Type of gen. func.: lgdogf

$$-\frac{2 (8 x^5 + 12 x^4 + 8 x^3 - 5 x^2 - 7 x - 1)}{(x - 1) (2 x + 1) (2 x - 1) (x + 1) (2 x^2 + 2 x + 1)}$$

Sequence: A084211
Score: 7.13269
Type of gen. func.: lgdogf

$$1 + (20 x^{2} - 18 x - 2) f(x) + (100 x^{4} - 180 x^{3} + 61 x^{2} + 18 x + 1) f(x)^{2}$$

Sequence: A084213
Score: 12.4124
Type of gen. func.: ogf

$$\frac{2 x^{2} - 2 x + 1}{(4 x - 1) (2 x - 1)}$$

Sequence: A084213
Score: 6.38695
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 4, a(2) = 18\}$$

Sequence: A084213
Score: 6.78203
Type of gen. func.: ogf

$$(109 + 147 f(x)) (8 f(x) x^{2} - 6 f(x) x - 2 x^{2} + f(x) + 2 x - 1)$$

Sequence: A084214
Score: 14.9850
Type of gen. func.: ogf

$$- \frac{x^{2} + 1}{(x + 1) (2 x - 1)}$$

Sequence: A084214
Score: 21.1847
Type of gen. func.: lgdogf

2

$$\frac{x - 6 x - 1}{(2 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A084214
Score: 7.19870
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 4\}$$

Sequence: A084214
Score: 8.06886
Type of gen. func.: ogf

$$(27 f(x) - 26) (2 f(x) x^2 + f(x) x + x^2 - f(x) + 1)$$

Sequence: A084215
Score: 10.7201
Type of gen. func.: ogf

$$-(3 f(x) - 1) (2 f(x) x + x^2 - f(x) + 1)$$

Sequence: A084215
Score: 19.6100
Type of gen. func.: ogf

$$-\frac{x^2 + 1}{2 x - 1}$$

Sequence: A084215
Score: 28.2109
Type of gen. func.: lgdogf

$$\frac{2 (x^2 - x - 1)}{(2 x - 1) (x^2 + 1)}$$

Sequence: A084215
Score: 9.57155
Type of gen. func.: ogf

$$\{-a(n+3)+2\,a(n+2),\ a(0)=1,\ a(1)=2,\ a(2)=5\}$$

Sequence: A084219
Score: 11.5632
Type of gen. func.: ogf

$$-\frac{(x+1)^2}{(x-1)\,(2\,x+1)^2}$$

Sequence: A084219
Score: 18.4720
Type of gen. func.: lgdogf

$$-\frac{2\,x^2+5\,x-1}{(x-1)\,(2\,x+1)\,(x+1)}$$

Sequence: A084219
Score: 6.45103
Type of gen. func.: ogf

$$(16\,f(x)+25)\,(4\,f(x)\,x^3-3\,f(x)\,x+x^2-f(x)+2\,x+1)$$

Sequence: A084219
Score: 6.51967
Type of gen. func.: ogf

$$\{a(n+3)+3\,a(n+2)-4\,a(n),\ a(0)=1,\ a(1)=-1,\ a(2)=4\}$$

Sequence: A084221
Score: 12.0002
Type of gen. func.: ogf

$$(8 f(x) + 1) (4 f(x) x - f(x) + 3 x + 1)$$

Sequence: A084221
Score: 12.5627
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A084221
Score: 16.4563
Type of gen. func.: revegf]

$$-1/2 \ln(5/2) + 1/2 \ln(3/2 + 2 x + (4 x^{2} + 6 x + 1)^{1/2})$$

Sequence: A084221
Score: 19.6100
Type of gen. func.: ogf

$$- \frac{3 x + 1}{(2 x - 1) (2 x + 1)}$$

Sequence: A084221
Score: 20.2540
Type of gen. func.: lgdogf

$$- \frac{12 x^{2} + 8 x + 3}{(2 x + 1) (2 x - 1) (3 x + 1)}$$

Sequence: A084222
Score: 15.5503
Type of gen. func.: ogf

$$- \frac{4 x + 1}{(3 x + 1) (x - 1)}$$

Sequence: A084222
Score: 17.3750

Type of gen. func.: revogf

$$\frac{-1 + 2 x + (16 x^2 + 12 x + 1)^{1/2}}{2 (4 + 3 x)}$$

Sequence: A084222
Score: 19.2040
Type of gen. func.: lgdogf

$$- \frac{2 (6 x^2 + 3 x + 1)}{(x - 1) (3 x + 1) (4 x + 1)}$$

Sequence: A084222
Score: 7.6897
Type of gen. func.: ogf

$$-(13 f(x) - 22) (3 f(x) x^2 - 2 f(x) x - f(x) + 4 x + 1)$$

Sequence: A084222
Score: 8.53368
Type of gen. func.: ogf

$$\{-a(n + 2) - 2 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A084231
Score: 4.663
Type of gen. func.: ogf

$$(1585186411 f(x) - 20091030) (f(x) x^3 - 195 f(x) x^2 + 195 f(x) x + x^2 - f(x) + 142 x + 1)$$

Sequence: A084231
Score: 5.08343
Type of gen. func.: ogf

$$\{a(n + 3) - 195 a(n + 2) + 195 a(n + 1) - a(n), a(0) = 1, a(1) = 337, a(2) = 65521\}$$

Sequence: A084231
Score: 9.25640
Type of gen. func.: ogf

$$-\frac{x^2 + 142 x + 1}{(x - 1) (x^2 - 194 x + 1)}$$

Sequence: A084232
Score: 12.3336
Type of gen. func.: revogf

$$-\frac{-1 - 194 x + ((168 x + 1) (224 x + 1))^{1/2}}{2 (x - 1)}$$

Sequence: A084232
Score: 13.0830
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - 194 x + 1}$$

Sequence: A084232
Score: 17.7748
Type of gen. func.: lgdogf

$$-\frac{(x + 15) (x - 13)}{(x + 1) (x^2 - 194 x + 1)}$$

Sequence: A084232
Score: 6.61183
Type of gen. func.: ogf

$$(37828 f(x) + 197) (f(x) x^2 - 194 f(x) x + f(x) - x - 1)$$

Sequence: A084232
Score: 7.15001
Type of gen. func.: ogf

$$\{-a(n + 2) + 194 a(n + 1) - a(n), a(0) = 1, a(1) = 195\}$$

Sequence: A084240
Score: 16.2181
Type of gen. func.: ogf

$$\frac{5 x + 1}{(x + 1) (4 x + 1)}$$

Sequence: A084240
Score: 17.6544
Type of gen. func.: revogf

$$- \frac{5 x - 1 + ((x + 1) (1 + 9 x))^{1/2}}{2 (-5 + 4 x)}$$

Sequence: A084240
Score: 8.58604
Type of gen. func.: ogf

$$(f(x) - 1) (4 f(x) x^2 + 5 f(x) x + f(x) - 5 x - 1)$$

Sequence: A084240
Score: 9.01005
Type of gen. func.: ogf

$$\{-a(n + 2) - 5 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 0\}$$

Sequence: A084241
Score: 11.3479
Type of gen. func.: ogf

$$4 f(x) x^2 + 5 f(x) x + f(x) - x$$

Sequence: A084241
Score: 17.0365
Type of gen. func.: revogf

$$\frac{-5 x + 1 + (x - 1)^{1/2} (9 x - 1)^{1/2}}{8 x}$$

Sequence: A084241
Score: 18.0953
Type of gen. func.: ogf

$$\frac{x}{(x + 1) (4 x + 1)}$$

Sequence: A084241
Score: 31.7499
Type of gen. func.: lgdogf

$$- \frac{5 + 8 x}{(x + 1) (4 x + 1)}$$

Sequence: A084241
Score: 8.26577
Type of gen. func.: ogf

$$\{-a(n + 2) - 5 a(n + 1) - 4 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A084244
Score: 15.8933
Type of gen. func.: ogf

$$-3 f(x) x - f(x) + 8 x + 1$$

Sequence: A084244
Score: 19.3296
Type of gen. func.: ogf

$$\frac{8 x + 1}{3 x + 1}$$

Sequence: A084244
Score: 19.6016
Type of gen. func.: revogf

$$- 1/16 + \frac{3 x}{16} + \frac{(9 x^2 + 26 x + 1)^{1/2}}{16}$$

Sequence: A084244
Score: 43.8153
Type of gen. func.: lgdogf

$$\frac{5}{(3 x + 1) (8 x + 1)}$$

Sequence: A084244
Score: 9.93329
Type of gen. func.: ogf

$$\{a(n + 2) + 3 a(n + 1), a(0) = 1, a(1) = 5\}$$

Sequence: A084247
Score: 16.2996
Type of gen. func.: ogf

$$- \frac{3 x + 1}{(2 x + 1) (x - 1)}$$

Sequence: A084247
Score: 19.8923
Type of gen. func.: revogf

$$\frac{x - 1 + ((x + 1) (1 + 9 x))^{1/2}}{2 (3 + 2 x)}$$

Sequence: A084247
Score: 20.4158
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^2 + 2 x + 1)}{(x - 1) (2 x + 1) (3 x + 1)}$$

Sequence: A084247
Score: 8.24138
Type of gen. func.: ogf

$$-(f(x) - 1) (2 f(x) x^2 - f(x) x - f(x) + 3 x + 1)$$

Sequence: A084247
Score: 8.94491
Type of gen. func.: ogf

$$\{a(n + 2) + a(n + 1) - 2 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A084253
Score: 12.0480
Type of gen. func.: lgdegf]

$$\frac{3 x^3 - 9 x^2 + 8 x - 6}{(x - 1) (3 x^3 - 5 x^2 + 2 x + 2)}$$

Sequence: A084253
Score: 5.39232
Type of gen. func.: egf]

$$(400 f(x) + 637) (2 f(x) x^2 - 3 x^3 - 4 f(x) x + 5 x^2 + 2 f(x) - 2 x - 2)$$

Sequence: A084253
Score: 9.28185
Type of gen. func.: egf]

$$\frac{3x^3 - 5x^2 + 2x + 2}{2(x-1)^2}$$

Sequence: A084259
Score: 4.67866
Type of gen. func.: ogf

$$\{(-n^3 - 10 n^2 - 31 n - 30) a(n+1) + a(n+2), a(0) = 6, a(1) = 48\}$$

Sequence: A084261
Score: 4.12462
Type of gen. func.: ogf

$$\{(-n - 2) a(n+1) + (n+2) a(n+2) - 2 a(n+4) + 4 a(n+3), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 4\}$$

Sequence: A084262
Score: 30.0643
Type of gen. func.: lgdegf]

$$-2 + 2x + (1 - 2x) f(x)$$

Sequence: A084262
Score: 4.35074
Type of gen. func.: ogf

$$\{(-2n - 4) a(n+1) + (2n+6) a(n+2) - a(n+3), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A084263
Score: 13.7326
Type of gen. func.: ogf

$$-\frac{2x^2 - x + 1}{(x+1)(x-1)^3}$$

Sequence: A084263
Score: 19.5650
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + x^2 + 6 x + 1}{(x - 1) (x + 1) (2 x^2 - x + 1)}$$

Sequence: A084263
Score: 7.15971
Type of gen. func.: ogf

$$(2104 f(x) - 2301) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x + 2 x^2 - f(x) - x + 1)$$

Sequence: A084264
Score: 10.0057
Type of gen. func.: ogf

$$\frac{(x - 1) (4 x^2 - 3 x + 1)}{(2 x - 1)^3}$$

Sequence: A084264
Score: 17.6136
Type of gen. func.: lgdogf

$$\frac{2 (x^2 - x + 1)}{(x - 1) (2 x - 1) (4 x^2 - 3 x + 1)}$$

Sequence: A084264
Score: 5.22685
Type of gen. func.: ogf

{a(n + 4) - 6 a(n + 3) + 12 a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 7,

a(3) = 22}

Sequence: A084264
Score: 5.74096
Type of gen. func.: ogf

$(-31 + 76 f(x))$

$$(8 f(x) x^3 - 12 f(x) x^2 - 4 x^3 + 6 f(x) x + 7 x^2 - f(x) - 4 x + 1)$$

Sequence: A084265
Score: 13.0102
Type of gen. func.: ogf

$$\frac{x^3 - 2 x^2 - 1}{(x + 1) (x - 1)^3}$$

Sequence: A084265
Score: 16.9328
Type of gen. func.: lgdogf

$$- \frac{x^4 - 2 x^3 - x^2 - 8 x - 2}{(x - 1) (x + 1) (x^3 - 2 x^2 - 1)}$$

Sequence: A084265
Score: 6.98896
Type of gen. func.: ogf

$$(1384 f(x) - 4765) (f(x) x^4 - 2 f(x) x^3 - x^3 + 2 f(x) x + 2 x^2 - f(x) + 1)$$

Sequence: A084266
Score: 10.1019
Type of gen. func.: ogf

$$\frac{4 x^3 - 5 x^2 + 3 x - 1}{(2 x - 1)^3}$$

Sequence: A084266
Score: 16.1317
Type of gen. func.: lgdogf

$$-\frac{2x^2+2x-3}{(2x-1)(4x^3-5x^2+3x-1)}$$

Sequence: A084266
Score: 5.23802
Type of gen. func.: ogf

$\{a(n+4)-6a(n+3)+12a(n+2)-8a(n+1), a(0)=1, a(1)=3,$

$a(2)=11, a(3)=34\}$

Sequence: A084266
Score: 5.74904
Type of gen. func.: ogf

$(36 f(x) - 131)$

$(8 f(x) x^3 - 12 f(x) x^2 - 4 x^3 + 6 f(x) x + 5 x^2 - f(x) - 3 x + 1)$

Sequence: A084267
Score: 14.2991
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11}-x^9-x^5+x^4+x^2+x+2$$

Sequence: A084267
Score: 5.48387
Type of gen. func.: ogf

$$\frac{x^4-x^3+x^2-x+1}{(x^2+1)(x^2+x+1)(x^4-x^2+1)(x-1)^4}$$

Sequence: A084267
Score: 6.14903
Type of gen. func.: lgdogf

$$-\frac{8 x^{12} - 6 x^{11} + 10 x^{10} - 13 x^{9} + 15 x^{8} - 4 x^{7} + 10 x^{6} - 6 x^{5} + 4 x^{4} - x^{3} + 3 x^{2} + 2 x + 2}{(x - 1) (x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1)}$$

Sequence: A084326
Score: 11.9581
Type of gen. func.: ogf

$$-4 f(x) x^{2} + 6 f(x) x - f(x) + x$$

Sequence: A084326
Score: 12.9964
Type of gen. func.: revogf

$$-\frac{-1 - 6 x + (2 x + 1)^{1/2} (10 x + 1)^{1/2}}{8 x}$$

Sequence: A084326
Score: 21.3796
Type of gen. func.: ogf

$$\frac{x}{4 x^{2} - 6 x + 1}$$

Sequence: A084326
Score: 22.8737
Type of gen. func.: lgdogf

$$-\frac{2 (-3 + 4 x)}{4 x^{2} - 6 x + 1}$$

Sequence: A084326
Score: 8.71021
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A084327
Score: 2.99031
Type of gen. func.: ogf

$$-9 f(x) x^2 + 9 f(x) x - f(x) + x$$

Sequence: A084327
Score: 5.34633
Type of gen. func.: ogf

$$\frac{x}{9 x^2 - 9 x + 1}$$

Sequence: A084327
Score: 7.04058
Type of gen. func.: lgdogf

$$- \frac{9 (2 x - 1)}{9 x^2 - 9 x + 1}$$

Sequence: A084328
Score: 12.7176
Type of gen. func.: revogf

$$- \frac{-1 - 13 x + (125 x^2 + 26 x + 1)^{1/2}}{22 x}$$

Sequence: A084328
Score: 14.7822
Type of gen. func.: ogf

$$\frac{x}{11 x^2 - 13 x + 1}$$

Sequence: A084328
Score: 6.23345
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1) + 11 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A084328
Score: 8.48158
Type of gen. func.: ogf

$$-11 f(x) x^2 + 13 f(x) x - f(x) + x$$

Sequence: A084329
Score: 12.6786
Type of gen. func.: revogf

$$-\frac{-1 - 20 x + (320 x^2 + 40 x + 1)^{1/2}}{40 x}$$

Sequence: A084329
Score: 14.7327
Type of gen. func.: ogf

$$\frac{x}{20 x^2 - 20 x + 1}$$

Sequence: A084329
Score: 18.1123
Type of gen. func.: lgdogf

$$-\frac{20 (2 x - 1)}{20 x^2 - 20 x + 1}$$

Sequence: A084329
Score: 6.21258
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1) + 20 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A084329
Score: 8.45319
Type of gen. func.: ogf

$$-20 f(x) x^2 + 20 f(x) x - f(x) + x$$

Sequence: A084330
Score: 10.8981
Type of gen. func.: ogf

$$-29 f(x) x^2 + 31 f(x) x - f(x) + x$$

Sequence: A084330
Score: 16.4028
Type of gen. func.: revogf

$$-\frac{-1 - 31 x + (845 x^2 + 62 x + 1)^{1/2}}{58 x}$$

Sequence: A084330
Score: 18.9939
Type of gen. func.: ogf

$$\frac{x}{29 x^2 - 31 x + 1}$$

Sequence: A084330
Score: 24.3005
Type of gen. func.: lgdogf

$$-\frac{-31 + 58 x}{29 x^{2} - 31 x + 1}$$

Sequence: A084330
Score: 8.00946
Type of gen. func.: ogf

$$\{a(n + 2) - 31 a(n + 1) + 29 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A084338
Score: 13.3567
Type of gen. func.: ogf

$$-\frac{2 x^{2} + 2 x + 1}{x^{3} + x^{2} - 1}$$

Sequence: A084338
Score: 14.3482
Type of gen. func.: lgdogf

$$-\frac{2 x^{4} + 4 x^{3} + 5 x^{2} + 6 x + 2}{(2 x^{2} + 2 x + 1) (x^{3} + x^{2} - 1)}$$

Sequence: A084338
Score: 8.09928
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1) + a(n), a(0) = 1, a(1) = 2, a(2) = 3\}$$

Sequence: A084338
Score: 8.18637
Type of gen. func.: ogf

$$(2 f(x) + 1) (f(x) x^{3} + f(x) x^{2} + 2 x^{2} - f(x) + 2 x + 1)$$

Sequence: A084351
Score: 6.78560
Type of gen. func.: lgdogf

$$4 (2 x^9 + 3 x^8 + 12 x^7 + 5 x^6 + 24 x^5 + 12 x^4 + 20 x^3 + 3 x^2 + 6 x + 1) \Big/ \Big((x - 1) (x + 1) (x^2 + 1) (3 x^8 - 4 x^6 - 4 x^5 - 18 x^4 - 4 x^3 - 12 x^2 - 4 x - 1)\Big)$$

Sequence: A084351
Score: 8.87216
Type of gen. func.: ogf

$$- \frac{3 x^8 - 4 x^6 - 4 x^5 - 18 x^4 - 4 x^3 - 12 x^2 - 4 x - 1}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A084357
Score: 21.0700
Type of gen. func.: lgdegf]

$$\frac{\exp(- \frac{1}{x - 1})}{\exp(1) (x - 1)^2}$$

Sequence: A084364
Score: 8.38833
Type of gen. func.: ogf

$$- \frac{91 x^8 + 82 x^7 + 73 x^6 + 64 x^5 + 55 x^4 + 46 x^3 + 37 x^2 + 28 x + 19}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A084367
Score: 18.7643

Type of gen. func.: lgdogf

$$-\frac{2\,(x^2 + 22\,x + 25)}{(x - 1)\,(x^2 + 14\,x + 9)}$$

Sequence: A084367
Score: 4.66791
Type of gen. func.: ogf

$$(1289952\,f(x) + 11007839)$$

$$(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - x^3 - 4\,f(x)\,x - 14\,x^2 + f(x) - 9\,x)$$

Sequence: A084367
Score: 9.27274
Type of gen. func.: ogf

$$\frac{x\,(x^2 + 14\,x + 9)}{(x - 1)^4}$$

Sequence: A084376
Score: 17.4914
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^2 - 2\,x + 2}{x - 1}$$

Sequence: A084377
Score: 14.1880
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^3 - 16\,x^2 + 5\,x - 4)}{(x - 1)\,(6\,x^3 - 25\,x^2 + 20\,x - 7)}$$

Sequence: A084377
Score: 3.74394
Type of gen. func.: ogf

$$\{(1183 n^2 + 6491 n + 8250) a(n + 1) + (-2081 n^2 - 8845 n - 7902) a(n + 2) + (898 n^2 + 3209 n + 1545) a(n + 3), a(0) = 7, a(1) = 8, a(2) = 15\}$$

Sequence: A084377
Score: 5.15432
Type of gen. func.: ogf

$$-(93 f(x) + 653) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 6 x^3 - 4 f(x) x - 25 x^2 + f(x) + 20 x - 7)$$

Sequence: A084377
Score: 9.52572
Type of gen. func.: ogf

$$- \frac{6 x^3 - 25 x^2 + 20 x - 7}{(x - 1)^4}$$

Sequence: A084378
Score: 15.0506
Type of gen. func.: lgdogf

$$- \frac{3 x^3 - 11 x^2 - 5 x - 11}{(x - 1) (3 x^3 - 10 x^2 + 5 x - 4)}$$

Sequence: A084378
Score: 3.95863
Type of gen. func.: ogf

$$\{(265 n^2 + 1409 n + 1758) a(n + 1) + (-407 n^2 - 1525 n - 1122) a(n + 2) + (142 n^2 + 485 n + 177) a(n + 3), a(0) = 3, a(1) = 4, a(2) = 11\}$$

Sequence: A084378
Score: 5.4919
Type of gen. func.: ogf

$$(174 f(x) + 643) \left(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} + 2 x^{3} - 4 f(x) x - 13 x^{2} + f(x) + 8 x - 3\right)$$

Sequence: A084378
Score: 9.99808
Type of gen. func.: ogf

$$-\frac{2 x^{3} - 13 x^{2} + 8 x - 3}{(x - 1)^{4}}$$

Sequence: A084379
Score: 13.2554
Type of gen. func.: lgdogf

$$-\frac{17 x^{3} - 53 x^{2} + 37 x - 25}{(x - 1) (17 x^{3} - 52 x^{2} + 47 x - 18)}$$

Sequence: A084379
Score: 5.20486
Type of gen. func.: ogf

$$(432 f(x) + 7607) \left(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} + 16 x^{3} - 4 f(x) x - 55 x^{2} + f(x) + 50 x - 17\right)$$

Sequence: A084379
Score: 9.38159
Type of gen. func.: ogf

$$-\frac{16 x^{3} - 55 x^{2} + 50 x - 17}{}$$

$$(x - 1)^4$$

Sequence: A084380
Score: 17.3863
Type of gen. func.: lgdogf

$$- \frac{2 (x - 5) (x^2 + x + 1)}{(x - 1) (2 x^3 - 7 x^2 + 2 x - 3)}$$

Sequence: A084380
Score: 3.95863
Type of gen. func.: ogf

$$\{(547 n^2 + 2849 n + 3510) a(n + 1) + (-764 n^2 - 2560 n - 1488) a(n + 2)$$

$$+ (217 n^2 + 701 n + 150) a(n + 3), a(0) = 2, a(1) = 3, a(2) = 10\}$$

Sequence: A084380
Score: 5.4535
Type of gen. func.: ogf

$$(684 f(x) + 2029)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + x^3 - 4 f(x) x - 10 x^2 + f(x) + 5 x - 2)$$

Sequence: A084380
Score: 9.99808
Type of gen. func.: ogf

$$- \frac{x^3 - 10 x^2 + 5 x - 2}{(x - 1)^4}$$

Sequence: A084381
Score: 15.3578
Type of gen. func.: lgdogf

$$-\frac{5x^3-17x^2+x-13}{(x-1)(5x^3-16x^2+11x-6)}$$

Sequence: A084381
Score: 3.91884
Type of gen. func.: ogf

$$\{(643n^2+3491n+4410)a(n+1)+(-1082n^2-4429n-3756)a(n+2)$$
$$+(439n^2+1550n+699)a(n+3), a(0)=5, a(1)=6, a(2)=13\}$$

Sequence: A084381
Score: 5.41563
Type of gen. func.: ogf

$$(360f(x)+1901)($$
$$f(x)x^4-4f(x)x^3+6f(x)x^2+4x^3-4f(x)x-19x^2+f(x)+14x-5$$
$$)$$

Sequence: A084381
Score: 9.87152
Type of gen. func.: ogf

$$-\frac{4x^3-19x^2+14x-5}{(x-1)^4}$$

Sequence: A084382
Score: 14.4718
Type of gen. func.: lgdogf

$$-\frac{2(3x^3-10x^2+2x-7)}{(x-1)(6x^3-19x^2+14x-7)}$$

Sequence: A084382
Score: 3.78568
Type of gen. func.: ogf

$$\{(3571 n^2 + 19505 n + 24726) a(n + 1) + (-6164 n^2 - 25792 n - 22560) a(n + 2) + (2593 n^2 + 9221 n + 4326) a(n + 3), a(0) = 6, a(1) = 7, a(2) = 14\}$$

Sequence: A084382
Score: 5.26926
Type of gen. func.: ogf

$$-(732 f(x) + 4489) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 5 x^3 - 4 f(x) x - 22 x^2 + f(x) + 17 x - 6)$$

Sequence: A084382
Score: 9.87152
Type of gen. func.: ogf

$$-\frac{5 x^3 - 22 x^2 + 17 x - 6}{(x - 1)^4}$$

Sequence: A084385
Score: 7.12779
Type of gen. func.: ogf

$$-\frac{2 x^{10} - 5 x^9 + 2 x^8 + 2 x^7 - 2 x^6 + 3 x^5 - 3 x^4 + x^3 - 2 x^2 - x - 1}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A084386
Score: 25.5004
Type of gen. func.: ogf

$$-\frac{1}{3 x^3 + x - 1}$$

Sequence: A084386
Score: 31.5344
Type of gen. func.: lgdogf

$$-\frac{9 x^{2} + 1}{3 x^{3} + x - 1}$$

Sequence: A084386
Score: 7.86716
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 3 a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A084386
Score: 9.12978
Type of gen. func.: ogf

$$(f(x) - 1) (3 f(x) x^{3} + f(x) x - f(x) + 1)$$

Sequence: A084391
Score: 7.74965
Type of gen. func.: lgdogf

$$\frac{2 (36 x^{9} - 18 x^{8} + 12 x^{6} + 33 x^{4} + 12 x^{3} + 6 x^{2} + 3 x + 1)}{(6 x^{4} - 1) (6 x^{6} - 6 x^{5} - 4 x^{3} - 3 x^{2} - 2 x - 1)}$$

Sequence: A084391
Score: 9.96600
Type of gen. func.: ogf

$$\frac{6 x^{6} - 6 x^{5} - 4 x^{3} - 3 x^{2} - 2 x - 1}{6 x^{4} - 1}$$

Sequence: A084399
Score: 2.99032
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3x^3 - 23x^2 + 4x + 11}{3x^2 - 1}$$

Sequence: A084399
Score: 7.58333
Type of gen. func.: lgdogf

$$-\frac{11 + 8x}{(x + 1)(2x - 1)}$$

Sequence: A084431
Score: 14.0864
Type of gen. func.: ogf

$$-\frac{(x + 1)(5x + 1)}{(2x - 1)(2x + 1)}$$

Sequence: A084431
Score: 14.7064
Type of gen. func.: lgdogf

$$-\frac{6(4x^2 + 3x + 1)}{(5x + 1)(2x + 1)(2x - 1)(x + 1)}$$

Sequence: A084431
Score: 8.21705
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 1), a(0) = 1, a(1) = 6, a(2) = 9\}$$

Sequence: A084431
Score: 8.52138
Type of gen. func.: ogf

$$-(25 f(x) + 39) (4 f(x) x^2 + 5 x^2 - f(x) + 6 x + 1)$$

Sequence: A084439
Score: 10.8892
Type of gen. func.: lgdogf

$$-\frac{14 x^6 + 17 x^5 + 20 x^4 + 15 x^3 + 15 x^2 + 6 x + 3}{(x - 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A084439
Score: 29.2719
Type of gen. func.: ogf_with_Euler_transform]

$$x^4 + 2 x^2 + 3$$

Sequence: A084439
Score: 6.56759
Type of gen. func.: ogf

$$\frac{1}{(x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x - 1)^6}$$

Sequence: A084446
Score: 21.5306
Type of gen. func.: ogf_with_Euler_transform]

$$x^6 + 2 x^4 + 3 x^2 + 4$$

Sequence: A084477
Score: 14.9757
Type of gen. func.: lgdogf

$$\frac{12 x^2 - 4 x + 1}{(6 x - 1) (2 x^2 + 11 x - 2)}$$

Sequence: A084477
Score: 15.0640
Type of gen. func.: ogf

$$\frac{2\,(2\,x^2 + 11\,x - 2)}{6\,x - 1}$$

Sequence: A084477
Score: 8.24932
Type of gen. func.: ogf

$$\{-a(n + 3) + 6\,a(n + 2),\ a(0) = 4,\ a(1) = 2,\ a(2) = 8\}$$

Sequence: A084477
Score: 9.11769
Type of gen. func.: ogf

$$(f(x) - 4)\,(6\,f(x)\,x - 4\,x^2 - f(x) - 22\,x + 4)$$

Sequence: A084478
Score: 4.38865
Type of gen. func.: ogf

$$(79\,f(x) - 127)\,(380\,f(x)\,x^4 + 280\,f(x)\,x^3 - 20\,x^4 + 103\,f(x)\,x^2 - 40\,x^3 + 2\,f(x)\,x - 31\,x^2 - f(x) - 2\,x + 1)$$

Sequence: A084478
Score: 8.20142
Type of gen. func.: ogf

$$-\frac{24\,(15\,x^2 + 10\,x + 3)}{380\,x^4 + 280\,x^3 + 103\,x^2 + 2\,x - 1}$$

Sequence: A084479
Score: 4.82646
Type of gen. func.: ogf

$$(1229 f(x) - 13800) (20 f(x) x^4 + 40 f(x) x^3 + 31 f(x) x^2 + 2 f(x) x + 360 x^2 - f(x) + 240 x + 72)$$

Sequence: A084479
Score: 6.58169
Type of gen. func.: lgdogf

$$- \frac{8 (x + 1) (75 x^4 + 75 x^3 + 55 x^2 + 25 x + 2)}{(15 x^2 + 10 x + 3) (20 x^4 + 40 x^3 + 31 x^2 + 2 x - 1)}$$

Sequence: A084479
Score: 9.02609
Type of gen. func.: ogf

$$- \frac{24 (15 x^2 + 10 x + 3)}{20 x^4 + 40 x^3 + 31 x^2 + 2 x - 1}$$

Sequence: A084480
Score: 6.83629
Type of gen. func.: lgdogf

$$- \frac{2 x^9 + 6 x^8 + 10 x^7 + 12 x^6 + 2 x^5 + 2 x^4 - 10 x^3 - 3 x + 5}{(x + 1) (x^3 + x - 1) (2 x^6 + 4 x^5 + 4 x^4 + x^3 - 2 x^2 - 4 x + 1)}$$

Sequence: A084480
Score: 8.59631
Type of gen. func.: ogf

$$- \frac{x^3 + 2 x - 1}{2 x^6 + 4 x^5 + 4 x^4 + x^3 - 2 x^2 - 4 x + 1}$$

Sequence: A084481
Score: 10.3072
Type of gen. func.: ogf

$$\frac{2 (x^3 + x - 1) (x + 1)^2}{x^3 + 2 x - 1}$$

Sequence: A084481
Score: 10.7868
Type of gen. func.: lgdogf

$$\frac{2 x^6 + 8 x^4 - 2 x^3 + 4 x^2 - 5 x + 3}{(x + 1) (x^3 + x - 1) (x^3 + 2 x - 1)}$$

Sequence: A084485
Score: 6.77958
Type of gen. func.: ogf

$$\frac{33 x^4 - 17 x^3 + 3 x^2 - 3 x + 1}{(3 x - 1)^3 (2 x - 1)^3}$$

Sequence: A084500
Score: 4.82902
Type of gen. func.: ogf

$$- x (x^{24} - x^{23} + x^{21} - x^{20} + x^{18} - x^{17} + x^{15} - x^{14} + x^{12} - x^{11} + x^9 - x^8 + x^7 + x^4 - x^3 - x - 1) / ((x + 1) (x^2 + 1) (x - 1)^2)$$

Sequence: A084506
Score: 14.0968
Type of gen. func.: lgdogf

33 32 9 8 3 2

$$\frac{32 x - 33 x + 8 x - 9 x + 2 x - 3 x - 2}{(x - 1) (x^{33} + x^{9} + x^{3} + x + 1)}$$

Sequence: A084506
Score: 15.9886
Type of gen. func.: ogf

$$- \frac{x^{33} + x^{9} + x^{3} + x + 1}{x - 1}$$

Sequence: A084508
Score: 11.2378
Type of gen. func.: ogf

$$- \frac{x (2 x^{2} + 2 x - 1)}{(4 x - 1) (x - 1)}$$

Sequence: A084508
Score: 14.3386
Type of gen. func.: lgdogf

$$- \frac{3 (6 x^{2} - 4 x + 1)}{(x - 1) (4 x - 1) (2 x^{2} + 2 x - 1)}$$

Sequence: A084508
Score: 5.66865
Type of gen. func.: ogf

$\{a(n + 4) - 5 a(n + 3) + 4 a(n + 2), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 9\}$

Sequence: A084508
Score: 6.8877
Type of gen. func.: ogf

$$-f(x) (4 f(x) x^{2} + 2 x^{3} - 5 f(x) x + 2 x^{2} + f(x) - x)$$

Sequence: A084509
Score: 13.8422
Type of gen. func.: ogf

$$\frac{2 x^{2} + 2 x - 1}{4 x - 1}$$

Sequence: A084509
Score: 16.0575
Type of gen. func.: lgdogf

$$\frac{2 (4 x^{2} - 2 x + 1)}{(4 x - 1) (2 x^{2} + 2 x - 1)}$$

Sequence: A084509
Score: 7.41545
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A084509
Score: 8.71313
Type of gen. func.: ogf

$$-(f(x) - 1) (-2 x^{3} + 4 f(x) x - 2 x^{2} - f(x) - 3 x + 1)$$

Sequence: A084515
Score: 11.6744
Type of gen. func.: ogf

$$\frac{x (x^{18} + x^{5} + x^{2} + x + 1)}{(x - 1)^{2}}$$

Sequence: A084515
Score: 13.9610
Type of gen. func.: lgdogf

$$\frac{16 x^{18} - 18 x^{17} + 3 x^{5} - 5 x^{4} - 3 x - 3}{(x - 1) (x^{18} + x^{5} + x^{2} + x + 1)}$$

Sequence: A084518
Score: 10.6065
Type of gen. func.: ogf

$$- \frac{2 x^{2} + 2 x - 1}{(x - 1) (2 x^{3} + 2 x^{2} + 3 x - 1)}$$

Sequence: A084518
Score: 5.62604
Type of gen. func.: ogf

$$-(3 f(x) + 7) (2 f(x) x^{4} + f(x) x^{2} - 4 f(x) x + 2 x^{2} + f(x) + 2 x - 1)$$

Sequence: A084518
Score: 8.80721
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^{2} + 1) (2 x^{3} + 3 x^{2} - 3 x + 1)}{(x - 1) (2 x^{2} + 2 x - 1) (2 x^{3} + 2 x^{2} + 3 x - 1)}$$

Sequence: A084519
Score: 10.4482
Type of gen. func.: ogf

$$\frac{2 x^{2} + 2 x - 1}{2 x^{3} + 2 x^{2} + 3 x - 1}$$

Sequence: A084519
Score: 10.9555
Type of gen. func.: lgdogf

$$-\frac{4x^4+8x^3-8x^2-1}{(2x^2+2x-1)(2x^3+2x^2+3x-1)}$$

Sequence: A084519
Score: 5.54206
Type of gen. func.: ogf

$$-(f(x)+3)(2f(x)x^3+2f(x)x^2+3f(x)x-2x^2-f(x)-2x+1)$$

Sequence: A084519
Score: 5.69052
Type of gen. func.: ogf

$$\{-a(n+3)+3a(n+2)+2a(n+1)+2a(n), a(0)=1, a(1)=1, a(2)=3\}$$

Sequence: A084525
Score: 11.4612
Type of gen. func.: ogf

$$\frac{x(x^{17}+x^5+x^2+x+1)}{(x-1)^2}$$

Sequence: A084525
Score: 13.7032
Type of gen. func.: lgdogf

$$\frac{15x^{17}-17x^{16}+3x^5-5x^4-3x-3}{(x-1)(x^{17}+x^5+x^2+x+1)}$$

Sequence: A084537
Score: 2.04278

Type of gen. func.: ogf

$$-(4 f(x) - 3) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) - 2 x + 1)$$

Sequence: A084537
Score: 3.85113
Type of gen. func.: ogf

$$- \frac{3 x^2 - 2 x + 1}{(x - 1)^3}$$

Sequence: A084537
Score: 6.35871
Type of gen. func.: lgdogf

$$- \frac{3 x^2 + 2 x + 1}{(x - 1) (3 x^2 - 2 x + 1)}$$

Sequence: A084543
Score: 12.7893
Type of gen. func.: lgdegf]

$$- \frac{-3 + 14 x}{(2 x - 1) (2 x + 1)}$$

Sequence: A084544
Score: 4.35891
Type of gen. func.: ogf

$$(60 x^{20} + 6 x^{16} + x^{15} + x^{14} + x^{13} + 7 x^{12} + x^{11} + x^{10} + x^9 + 7 x^8 + x^7 + x^6 + x^5 + 7 x^4 + x^3 + x^2 + x + 1) / ((x + 1) (x^2 + 1) (x^4 + 1) (x^8 + 1) (x - 1)^2)$$

Sequence: A084554
Score: 4.42732
Type of gen. func.: ogf

$$(f(x) - 1)^{2} (-28453750 x^{5} + 471372 f(x) x^{2} - 4530 f(x) x - 471372 x^{2} + 25 f(x) + 4530 x - 25)$$

Sequence: A084556
Score: 14.0968
Type of gen. func.: lgdogf

$$\frac{32 x^{33} - 33 x^{32} + 8 x^{9} - 9 x^{8} + 2 x^{3} - 3 x^{2} - 2}{(x - 1) (x^{33} + x^{9} + x^{3} + x + 1)}$$

Sequence: A084556
Score: 14.7260
Type of gen. func.: ogf

$$- \frac{x (x^{33} + x^{9} + x^{3} + x + 1)}{x - 1}$$

Sequence: A084557
Score: 4.82902
Type of gen. func.: ogf

$$- x (x^{24} - x^{23} + x^{21} - x^{20} + x^{18} - x^{17} + x^{15} - x^{14} + x^{12} - x^{11} + x^{9} - x^{8} + x^{7} + x^{4} - x^{3} - x - 1) / ((x + 1) (x^{2} + 1) (x - 1)^{2})$$

Sequence: A084558
Score: 18.3524
Type of gen. func.: lgdogf

$$\frac{22 x^{23} - 23 x^{22} + 4 x^{5} - 5 x^{4} - 2}{(x - 1) (x^{23} + x^{5} + x + 1)}$$

Sequence: A084567
Score: 11.0545
Type of gen. func.: ogf

$$3 f(x) x^2 - 2 f(x) x - f(x) + 2 x + 1$$

Sequence: A084567
Score: 15.4762
Type of gen. func.: ogf

$$-\frac{2 x + 1}{(3 x + 1) (x - 1)}$$

Sequence: A084567
Score: 17.7988
Type of gen. func.: revogf

$$\frac{-1 + 2 x + (16 x^2 + 4 x + 1)^{1/2}}{2 (2 + 3 x)}$$

Sequence: A084567
Score: 22.8047
Type of gen. func.: lgdogf

$$-\frac{6 x (x + 1)}{(x - 1) (2 x + 1) (3 x + 1)}$$

Sequence: A084567
Score: 8.59790
Type of gen. func.: ogf

$$\{-a(n + 2) - 2 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 0\}$$

Sequence: A084568
Score: 14.0163
Type of gen. func.: ogf

$$-\frac{(x+1)(4x+1)}{(2x-1)(2x+1)}$$

Sequence: A084568
Score: 14.6318
Type of gen. func.: lgdogf

$$-\frac{20x^2+16x+5}{(4x+1)(2x+1)(2x-1)(x+1)}$$

Sequence: A084568
Score: 8.17617
Type of gen. func.: ogf

$$\{a(n+3)-4a(n+1), a(0)=1, a(1)=5, a(2)=8\}$$

Sequence: A084568
Score: 9.03681
Type of gen. func.: ogf

$$(16f(x)+9)(4f(x)x^2+4x^2-f(x)+5x+1)$$

Sequence: A084569
Score: 10.1761
Type of gen. func.: ogf

$$-\frac{2x^2-x+1}{(x+1)(x-1)^5}$$

Sequence: A084569
Score: 17.4707
Type of gen. func.: lgdogf

$$-\frac{8x^3+3x^2+6x+3}{(x-1)(x+1)(2x^2-x+1)}$$

Sequence: A084570
Score: 10.4915
Type of gen. func.: ogf

$$\frac{2 x^2 - x + 1}{(x + 1) (x - 1)^4}$$

Sequence: A084570
Score: 18.8697
Type of gen. func.: lgdogf

$$- \frac{2 (3 x + 1) (x^2 + 1)}{(x - 1) (x + 1) (2 x^2 - x + 1)}$$

Sequence: A084601
Score: 27.9457
Type of gen. func.: lgdogf

$$- \frac{1 + 7 x}{7 x^2 + 2 x - 1}$$

Sequence: A084601
Score: 4.15683
Type of gen. func.: ogf

$\{(n + 3) a(n + 3) + (-5 - 2 n) a(n + 2) + (-14 - 7 n) a(n + 1), a(0) = 1,$

$a(1) = 1, a(2) = 5\}$

Sequence: A084601
Score: 9.96319
Type of gen. func.: ogf

$$7 f(x)^2 x^2 + 2 f(x)^2 x - f(x)^2 + 1$$

Sequence: A084603
Score: 25.8217
Type of gen. func.: lgdogf

$$-\frac{1 + 11 x}{11 x^2 + 2 x - 1}$$

Sequence: A084603
Score: 4.16074
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-5 - 2 n) a(n + 2) + (-22 - 11 n) a(n + 1), a(0) = 1, a(1) = 1, a(2) = 7\}$$

Sequence: A084603
Score: 9.88176
Type of gen. func.: ogf

$$11 f(x)^2 x^2 + 2 f(x)^2 x - f(x)^2 + 1$$

Sequence: A084605
Score: 24.0806
Type of gen. func.: lgdogf

$$-\frac{1 + 15 x}{(3 x + 1) (5 x - 1)}$$

Sequence: A084605
Score: 4.04313
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-5 - 2 n) a(n + 2) + (-30 - 15 n) a(n + 1), a(0) = 1, a(1) = 1, a(2) = 9\}$$

Sequence: A084605
Score: 9.60245
Type of gen. func.: ogf

$$15 f(x)^2 x^2 + 2 f(x)^2 x - f(x)^2 + 1$$

Sequence: A084607
Score: 2.80923
Type of gen. func.: ogf

$$4 f(x)^2 x^2 + 4 f(x)^2 x - f(x)^2 + 1$$

Sequence: A084607
Score: 6.94674
Type of gen. func.: lgdogf

$$- \frac{2 (2 x + 1)}{4 x^2 + 4 x - 1}$$

Sequence: A084609
Score: 24.2131
Type of gen. func.: lgdogf

$$- \frac{2 (4 x + 1)}{8 x^2 + 4 x - 1}$$

Sequence: A084609
Score: 3.87895
Type of gen. func.: ogf

$\{(n + 3) a(n + 3) + (-10 - 4 n) a(n + 2) + (-16 - 8 n) a(n + 1), a(0) = 1,$

$a(1) = 2, a(2) = 10\}$

Sequence: A084609
Score: 9.42032
Type of gen. func.: ogf

$$-8 f(x)^2 x^2 - 4 f(x)^2 x + f(x)^2 - 1$$

Sequence: A084630
Score: 6.91616
Type of gen. func.: ogf

$$-(x^{10}-x^{9}+x^{7}-x^{6}+x^{5}-x^{4}+x^{3}-x+1)\Big/\Big((x^{2}+x+1)\,(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)\,(x^{12}-x^{11}+x^{9}-x^{8}+x^{6}-x^{4}+x^{3}-x+1)\,(x-1)^{3}\Big)$$

Sequence: A084633
Score: 14.2385
Type of gen. func.: ogf

$$2\,f(x)\,x-2\,x^{2}+f(x)-2\,x-1$$

Sequence: A084633
Score: 16.7698
Type of gen. func.: ogf

$$\frac{2\,x^{2}+2\,x+1}{2\,x+1}$$

Sequence: A084633
Score: 25.8221
Type of gen. func.: lgdogf

$$\frac{4\,x\,(x+1)}{(2\,x+1)\,(2\,x^{2}+2\,x+1)}$$

Sequence: A084633
Score: 9.09206
Type of gen. func.: ogf

$$\{-a(n+3)-2\,a(n+2),\ a(0)=1,\ a(1)=0,\ a(2)=2\}$$

Sequence: A084634
Score: 11.1483
Type of gen. func.: ogf

$$\frac{3 x^2 - 3 x + 1}{(2 x - 1) (x - 1)^3}$$

Sequence: A084634
Score: 14.5240
Type of gen. func.: lgdogf

$$- \frac{12 x^3 - 15 x^2 + 8 x - 2}{(x - 1) (2 x - 1) (3 x^2 - 3 x + 1)}$$

Sequence: A084634
Score: 4.99501
Type of gen. func.: ogf

$\{(-2 n - 4) a(n + 1) + (3 n + 2) a(n + 2) - a(n + 3) n, a(0) = 1, a(1) = 2,$

$a(2) = 4, a(3) = 9\}$

Sequence: A084634
Score: 5.872
Type of gen. func.: ogf

$(31 f(x) + 16)$

$(2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 - 5 f(x) x - 3 x^2 + f(x) + 3 x - 1)$

Sequence: A084635
Score: 7.11012
Type of gen. func.: ogf

$$- \frac{5 x^4 - 10 x^3 + 10 x^2 - 5 x + 1}{(2 x - 1) (x - 1)^4}$$

Sequence: A084635
Score: 8.55467
Type of gen. func.: lgdogf

$$-\frac{10x^5 - 10x^4 + 10x^3 - 10x^2 + 5x - 1}{(x-1)(2x-1)(5x^4 - 10x^3 + 10x^2 - 5x + 1)}$$

Sequence: A084636
Score: 5.56195
Type of gen. func.: ogf

$$\frac{(2x^2 - 2x + 1)(x^4 - 2x^3 + 5x^2 - 4x + 1)}{(2x-1)(x-1)^5}$$

Sequence: A084636
Score: 7.59348
Type of gen. func.: lgdogf

$$-\frac{10x^6 - 15x^4 + 20x^3 - 15x^2 + 6x - 1}{(x-1)(2x-1)(2x^2 - 2x + 1)(x^4 - 2x^3 + 5x^2 - 4x + 1)}$$

Sequence: A084637
Score: 5.81587
Type of gen. func.: ogf

$$-\frac{7x^6 - 21x^5 + 35x^4 - 35x^3 + 21x^2 - 7x + 1}{(2x-1)(x-1)^6}$$

Sequence: A084637
Score: 6.31607
Type of gen. func.: lgdogf

$$-\frac{14x^7 - 14x^6 + 21x^5 - 35x^4 + 35x^3 - 21x^2 + 7x - 1}{}$$

$$(x - 1) (2 x - 1) (7 x^6 - 21 x^5 + 35 x^4 - 35 x^3 + 21 x^2 - 7 x + 1)$$

Sequence: A084638
Score: 4.84053
Type of gen. func.: ogf

$$\frac{2 x^8 - 8 x^7 + 28 x^6 - 56 x^5 + 70 x^4 - 56 x^3 + 28 x^2 - 8 x + 1}{(2 x - 1) (x - 1)^7}$$

Sequence: A084638
Score: 5.63183
Type of gen. func.: lgdogf

$$- (14 x^8 - 28 x^6 + 56 x^5 - 70 x^4 + 56 x^3 - 28 x^2 + 8 x - 1) / ((x - 1)$$

$$(2 x - 1) (2 x^8 - 8 x^7 + 28 x^6 - 56 x^5 + 70 x^4 - 56 x^3 + 28 x^2 - 8 x + 1))$$

Sequence: A084639
Score: 13.9817
Type of gen. func.: ogf

$$\frac{x (2 x + 1)}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A084639
Score: 16.0485
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^3 + 2 x^2 - x - 2)}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A084639
Score: 7.17979
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + a(n + 1) - 2 a(n), a(0) = 0, a(1) = 1, a(2) = 4\}$$

Sequence: A084639
Score: 7.4482
Type of gen. func.: ogf

$$(4 f(x) + 1) (2 f(x) x^3 - f(x) x^2 - 2 f(x) x - 2 x^2 + f(x) - x)$$

Sequence: A084640
Score: 12.5861
Type of gen. func.: ogf

$$\frac{x (3 x + 1)}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A084640
Score: 14.1402
Type of gen. func.: lgdogf

$$- \frac{12 x^3 + 3 x^2 - 2 x - 5}{(x - 1) (2 x - 1) (3 x + 1) (x + 1)}$$

Sequence: A084640
Score: 6.29305
Type of gen. func.: ogf

$$-(22 f(x) - 133) (2 f(x) x^3 - f(x) x^2 - 2 f(x) x - 3 x^2 + f(x) - x)$$

Sequence: A084640
Score: 6.46314
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - a(n + 1) + 2 a(n), a(0) = 0, a(1) = 1, a(2) = 5\}$$

Sequence: A084641
Score: 3.64255
Type of gen. func.: ogf

$$-\frac{x\,(272 x^6 - 816 x^5 + 96 x^4 + 1168 x^3 - 606 x^2 - 114 x - 1)}{(2 x - 1)^8}$$

Sequence: A084642
Score: 10.3260
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 2), a(0) = 1, a(1) = 3, a(2) = 1, a(3) = 2\}$$

Sequence: A084642
Score: 13.2172
Type of gen. func.: ogf

$$(4 f(x) - 9) (f(x) x^2 - x^3 - f(x) + 3 x + 1)$$

Sequence: A084642
Score: 20.2305
Type of gen. func.: ogf

$$\frac{x^3 - 3 x - 1}{(x - 1) (x + 1)}$$

Sequence: A084642
Score: 27.7908
Type of gen. func.: lgdogf

$$\frac{x^4 + 2 x + 3}{(x - 1) (x + 1) (x^3 - 3 x - 1)}$$

Sequence: A084643
Score: 10.7476
Type of gen. func.: lgdogf

$$-\frac{48 x^3 - 44 x^2 + 17 x - 3}{}$$

$$(3 x - 1) (2 x - 1) (8 x^2 - 5 x + 1)$$

Sequence: A084643
Score: 5.0742
Type of gen. func.: ogf

$$-(15 f(x) + 41) (18 f(x) x^3 - 21 f(x) x^2 + 8 f(x) x + 8 x^2 - f(x) - 5 x + 1)$$

Sequence: A084643
Score: 5.25070
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 21 a(n + 1) - 18 a(n), a(0) = 1, a(1) = 3, a(2) = 11\}$$

Sequence: A084643
Score: 9.58460
Type of gen. func.: ogf

$$-\frac{8 x^2 - 5 x + 1}{(2 x - 1) (3 x - 1)^2}$$

Sequence: A084672
Score: 10.6865
Type of gen. func.: ogf

$$-\frac{2 x^4 + x^2 + 1}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A084672
Score: 15.1724
Type of gen. func.: lgdogf

$$-\frac{(2 x^2 + 1) (x^2 + 2) (x + 1)^2}{(x - 1) (x^2 + x + 1) (2 x^4 + x^2 + 1)}$$

Sequence: A084672
Score: 5.58458
Type of gen. func.: ogf

$$-(f(x) - 1)$$

$$(f(x) x^5 - 2 f(x) x^4 + f(x) x^3 + 2 x^4 - f(x) x^2 + 2 f(x) x + x^2 - f(x) + 1)$$

Sequence: A084683
Score: 10.5201
Type of gen. func.: ogf

$$- \frac{2 x^6 + 2 x^3 + 1}{(x - 1) (x^6 - x^5 - x^4 + x^3 - x^2 - x + 1)}$$

Sequence: A084683
Score: 12.8827
Type of gen. func.: lgdogf

$$- \frac{2 x^{12} - 9 x^6 + 2}{(x - 1) (2 x^6 + 2 x^3 + 1) (x^6 - x^5 - x^4 + x^3 - x^2 - x + 1)}$$

Sequence: A084684
Score: 14.9947
Type of gen. func.: ogf

$$-f(x) x^4 + 2 f(x) x^3 - 2 x^3 - 2 f(x) x + f(x) - 1$$

Sequence: A084684
Score: 22.3605
Type of gen. func.: ogf

$$- \frac{2 x^3 + 1}{(x + 1) (x - 1)^3}$$

Sequence: A084684
Score: 5.56572
Type of gen. func.: ogf

$$\{(-n^2 - 7 n - 10) a(n + 1) + (n^2 + 5 n + 2) a(n + 2) + (n^2 + 7 n + 8) a(n + 3) + (-n^2 - 5 n - 4) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8\}$$

Sequence: A084703
Score: 11.2059
Type of gen. func.: lgdogf

$$- \frac{2 (x^3 - 16 x^2 - 35 x + 18)}{(x - 1) (x + 1) (x^2 - 34 x + 1)}$$

Sequence: A084703
Score: 4.74957
Type of gen. func.: ogf

$$\{a(n + 3) - 35 a(n + 2) + 35 a(n + 1) - a(n), a(0) = 0, a(1) = 4, a(2) = 144\}$$

Sequence: A084703
Score: 5.01101
Type of gen. func.: ogf

$$(9 f(x) + 1) (f(x) x^3 - 35 f(x) x^2 + 35 f(x) x + 4 x^2 - f(x) + 4 x)$$

Sequence: A084703
Score: 9.25763
Type of gen. func.: ogf

$$- \frac{4 x (x + 1)}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A084707
Score: 12.3432
Type of gen. func.: lgdogf

$$-\frac{3x^6 - 14x^3 + 3}{(x-1)(x+1)(x^2-3x+1)(3x^3+1)}$$

Sequence: A084707
Score: 13.0557
Type of gen. func.: ogf

$$-\frac{3x^3 + 1}{(x-1)(x+1)(x^2-3x+1)}$$

Sequence: A084707
Score: 6.95488
Type of gen. func.: ogf

$$(f(x)-1)(f(x)x^4 - 3f(x)x^3 + 3x^3 + 3f(x)x - f(x) + 1)$$

Sequence: A084768
Score: 11.0936
Type of gen. func.: ogf

$$f(x)^2 x^2 - 14 f(x)^2 x + f(x)^2 - 1$$

Sequence: A084768
Score: 34.9003
Type of gen. func.: lgdogf

$$-\frac{-7 + x}{x^2 - 14x + 1}$$

Sequence: A084768
Score: 4.64044
Type of gen. func.: ogf

$$\{(-n - 3)\, a(n + 3) + (35 + 14 n)\, a(n + 2) + (-n - 2)\, a(n + 1),\ a(0) = 1,$$
$$a(1) = 7,\ a(2) = 73\}$$

Sequence: A084769
Score: 26.2072
Type of gen. func.: lgdogf

$$-\frac{-9 + x}{x^2 - 18 x + 1}$$

Sequence: A084769
Score: 3.47712
Type of gen. func.: ogf

$$\{(-n - 3)\, a(n + 3) + (45 + 18 n)\, a(n + 2) + (-n - 2)\, a(n + 1),\ a(0) = 1,$$
$$a(1) = 9,\ a(2) = 121\}$$

Sequence: A084769
Score: 8.36683
Type of gen. func.: ogf

$$f(x)^2\, x^2 - 18\, f(x)^2\, x + f(x)^2 - 1$$

Sequence: A084770
Score: 15.7300
Type of gen. func.: revogf

$$\frac{(-2 x + (20 x^2 + 1)^{1/2})\, x}{16 x^2 + 1}$$

Sequence: A084770
Score: 22.6512
Type of gen. func.: lgdogf

$$-\frac{2\, (8 x + 1)}{\;}$$

$$16 x^2 + 4 x - 1$$

Sequence: A084770
Score: 3.75623
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-10 - 4 n) a(n + 2) + (-32 - 16 n) a(n + 1), a(0) = 1, a(1) = 2, a(2) = 14\}$$

Sequence: A084770
Score: 9.03843
Type of gen. func.: ogf

$$16 f(x)^2 x^2 + 4 f(x)^2 x - f(x)^2 + 1$$

Sequence: A084771
Score: 25.7893
Type of gen. func.: lgdogf

$$-\frac{-5 + 9 x}{(9 x - 1) (x - 1)}$$

Sequence: A084771
Score: 3.92946
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 3) + (25 + 10 n) a(n + 2) + (-18 - 9 n) a(n + 1), a(0) = 1, a(1) = 5, a(2) = 33\}$$

Sequence: A084771
Score: 9.45528
Type of gen. func.: ogf

$$-9 f(x)^2 x^2 + 10 f(x)^2 x - f(x)^2 + 1$$

Sequence: A084772

Score: 13.0103
Type of gen. func.: revogf

$$-\frac{(-6 x + (20 x^2 + 1)^{1/2}) x}{(4 x - 1) (4 x + 1)}$$

Sequence: A084772
Score: 20.7201
Type of gen. func.: lgdogf

$$-\frac{2 (-3 + 8 x)}{16 x^2 - 12 x + 1}$$

Sequence: A084772
Score: 3.68530
Type of gen. func.: ogf

{(-n - 3) a(n + 3) + (30 + 12 n) a(n + 2) + (-32 - 16 n) a(n + 1), a(0) = 1,

a(1) = 6, a(2) = 46}

Sequence: A084772
Score: 8.78802
Type of gen. func.: ogf

$$16 f(x)^2 x^2 - 12 f(x)^2 x + f(x)^2 - 1$$

Sequence: A084773
Score: 11.6072
Type of gen. func.: ogf

$$-4 f(x)^2 x^2 + 12 f(x)^2 x - f(x)^2 + 1$$

Sequence: A084773
Score: 19.6767
Type of gen. func.: lgdogf

$$-\frac{2 (-3 + 2 x)}{}$$

$$4 x^2 - 12 x + 1$$

Sequence: A084773
Score: 4.85531
Type of gen. func.: ogf

{(-n - 3) a(n + 3) + (30 + 12 n) a(n + 2) + (-8 - 4 n) a(n + 1), a(0) = 1,

a(1) = 6, a(2) = 52}

Sequence: A084774
Score: 22.5208
Type of gen. func.: lgdogf

$$-\frac{-7 + 9 x}{9 x^2 - 14 x + 1}$$

Sequence: A084774
Score: 3.58481
Type of gen. func.: ogf

{(-n - 3) a(n + 3) + (35 + 14 n) a(n + 2) + (-18 - 9 n) a(n + 1), a(0) = 1,

a(1) = 7, a(2) = 69}

Sequence: A084774
Score: 8.62595
Type of gen. func.: ogf

$$9 f(x)^2 x^2 - 14 f(x)^2 x + f(x)^2 - 1$$

Sequence: A084781
Score: 7.96577
Type of gen. func.: ogf

$$-x^3 f(x)^2 - f(x)^2 x^2 - f(x)^2 x + f(x) - 1$$

Sequence: A084782
Score: 7.10599
Type of gen. func.: ogf

$$f(x)^2 x + f(x) x^2 + f(x) x - x^2 - f(x) - x + 1$$

Sequence: A084804
Score: 7.92839
Type of gen. func.: ogf

$$-\frac{6064 x^6 - 5 x^5 - 7 x^4 - 6 x^3 - 6 x^2 - 6071 x - 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A084812
Score: 5.70503
Type of gen. func.: ogf

$$-(x^{14} - x^{13} + x^{12} - x^9 - 3 x^8 + 2 x^7 + 8 x^6 - 3 x^5 - x^4 + 3 x^3 - 3 x^2 + 2 x + 1) / ((x + 1) (x - 1)^3)$$

Sequence: A084847
Score: 10.5225
Type of gen. func.: lgdogf

$$-\frac{2 (84 x^3 - 63 x^2 + 18 x - 2)}{(3 x - 1) (4 x - 1) (14 x^2 - 7 x + 1)}$$

Sequence: A084847
Score: 5.19156
Type of gen. func.: ogf

$$-(52 f(x) + 103) (48 f(x) x^3 - 40 f(x) x^2 + 11 f(x) x + 14 x^2 - f(x) - 7 x + 1)$$

Sequence: A084847

Score: 5.46008
Type of gen. func.: ogf

{a(n + 3) - 11 a(n + 2) + 40 a(n + 1) - 48 a(n), a(0) = 1, a(1) = 4, a(2) = 18}

Sequence: A084847
Score: 9.74414
Type of gen. func.: ogf

$$-\frac{14 x^2 - 7 x + 1}{(3 x - 1) (4 x - 1)^2}$$

Sequence: A084849
Score: 13.3905
Type of gen. func.: ogf

$$-\frac{2 x^2 + x + 1}{(x - 1)^3}$$

Sequence: A084849
Score: 25.0418
Type of gen. func.: lgdogf

$$-\frac{2 (x + 2) (x + 1)}{(x - 1) (2 x^2 + x + 1)}$$

Sequence: A084849
Score: 6.9814
Type of gen. func.: ogf

$$(1840 f(x) - 2071) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x) + x + 1)$$

Sequence: A084849
Score: 7.22852
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 4, a(2) = 11}

Sequence: A084850
Score: 10.5786
Type of gen. func.: ogf

$$-\frac{2 x^2 - x + 1}{(2 x - 1)^3}$$

Sequence: A084850
Score: 21.4230
Type of gen. func.: lgdogf

$$-\frac{4 x^2 + 5}{(2 x - 1) (2 x^2 - x + 1)}$$

Sequence: A084850
Score: 5.75326
Type of gen. func.: ogf

$$(88 f(x) - 13) (8 f(x) x^3 - 12 f(x) x^2 + 6 f(x) x + 2 x^2 - f(x) - x + 1)$$

Sequence: A084850
Score: 5.75326
Type of gen. func.: ogf

{a(n + 3) - 6 a(n + 2) + 12 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 5, a(2) = 20}

Sequence: A084851
Score: 11.4597
Type of gen. func.: ogf

$$-\frac{(x - 1)^2}{(2 x - 1)^3}$$

Sequence: A084851
Score: 30.3057
Type of gen. func.: lgdogf

$$-\frac{2\,(-2 + x)}{(2\,x - 1)\,(x - 1)}$$

Sequence: A084851
Score: 6.12499
Type of gen. func.: ogf

$$(236\,f(x) - 321)\,(8\,f(x)\,x^{3} - 12\,f(x)\,x^{2} + 6\,f(x)\,x + x^{2} - f(x) - 2\,x + 1)$$

Sequence: A084851
Score: 6.23246
Type of gen. func.: ogf

$$\{a(n + 3) - 6\,a(n + 2) + 12\,a(n + 1) - 8\,a(n),\ a(0) = 1,\ a(1) = 4,\ a(2) = 13\}$$

Sequence: A084857
Score: 11.3650
Type of gen. func.: ogf

$$-\frac{x\,(4\,x + 1)}{(2\,x - 1)^{3}}$$

Sequence: A084857
Score: 24.9723
Type of gen. func.: lgdogf

$$-\frac{2\,(5 + 8\,x)}{(4\,x + 1)\,(2\,x - 1)}$$

Sequence: A084857
Score: 5.78217
Type of gen. func.: ogf

$$-(27 f(x) - 13) (8 f(x) x^3 - 12 f(x) x^2 + 6 f(x) x + 4 x^2 - f(x) + x)$$

Sequence: A084857
Score: 5.83335
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 12 a(n + 1) - 8 a(n), a(0) = 0, a(1) = 1, a(2) = 10\}$$

Sequence: A084858
Score: 13.2839
Type of gen. func.: ogf

$$\frac{x^2 - x + 1}{(2 x - 1)^2}$$

Sequence: A084858
Score: 6.90243
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 4 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A084858
Score: 9.91617
Type of gen. func.: ogf

$$-4 f(x) x^2 + 4 f(x) x + x^2 - f(x) - x + 1$$

Sequence: A084859
Score: 10.4820
Type of gen. func.: lgdogf

$$-\frac{2 (15 x^3 - 19 x^2 + 10 x - 2)}{(3 x - 1) (2 x - 1) (5 x^2 - 4 x + 1)}$$

Sequence: A084859
Score: 5.04286
Type of gen. func.: ogf

$$-(513 f(x) + 223) (18 f(x) x^3 - 21 f(x) x^2 + 8 f(x) x + 5 x^2 - f(x) - 4 x + 1)$$

Sequence: A084859
Score: 5.30597
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 21 a(n + 1) - 18 a(n), a(0) = 1, a(1) = 4, a(2) = 16\}$$

Sequence: A084859
Score: 9.68549
Type of gen. func.: ogf

$$-\frac{5 x^2 - 4 x + 1}{(2 x - 1) (3 x - 1)^2}$$

Sequence: A084860
Score: 11.0400
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^2 - x + 1)}{(2 x - 1)^2}$$

Sequence: A084860
Score: 16.4958
Type of gen. func.: lgdogf

$$\frac{2 x^3 - 3 x^2 + 2}{(x - 1) (2 x - 1) (x^2 - x + 1)}$$

Sequence: A084860
Score: 5.85598
Type of gen. func.: ogf

{a(n + 4) - 4 a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 15}

Sequence: A084860
Score: 8.52452
Type of gen. func.: ogf

$$-4 f(x) x^2 - x^3 + 4 f(x) x + 2 x^2 - f(x) - 2 x + 1$$

Sequence: A084861
Score: 15.0286
Type of gen. func.: lgdogf

$$\frac{4 x^3 - 6 x^2 + 3 x + 1}{(x - 1) (2 x - 1) (x^2 - x + 1)}$$

Sequence: A084861
Score: 5.19554
Type of gen. func.: ogf

{-a(n + 5) + 4 a(n + 4) - 4 a(n + 3), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 9,

a(4) = 21}

Sequence: A084861
Score: 5.788
Type of gen. func.: ogf

$$-(14 f(x) + 9) (-x^4 + 4 f(x) x^2 + 3 x^3 - 4 f(x) x - 4 x^2 + f(x) + 3 x - 1)$$

Sequence: A084861
Score: 9.56280
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1) (x - 1)^2}{(2 x - 1)^2}$$

Sequence: A084868
Score: 11.5362
Type of gen. func.: lgdogf

$$-\frac{2\,(2 x + (-4 x + 1)^{1/2})\,(2 x - 1)}{(4 x^{2} + 4 x - 1)\,(4 x - 1)}$$

Sequence: A084868
Score: 6.56804
Type of gen. func.: ogf

$$4 f(x)^{2} x^{2} + 4 f(x)^{2} x - f(x)^{2} - 8 f(x) x + 2 f(x) + 4 x - 1$$

Sequence: A084869
Score: 5.49189
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 26 a(n + 1) - 24 a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A084869
Score: 5.4919
Type of gen. func.: ogf

$$(f(x) - 2)\,(24 f(x) x^{3} - 26 f(x) x^{2} + 9 f(x) x + 13 x^{2} - f(x) - 7 x + 1)$$

Sequence: A084869
Score: 8.28870
Type of gen. func.: lgdogf

$$-\frac{312 x^{4} - 336 x^{3} + 137 x^{2} - 26 x + 2}{(3 x - 1)\,(2 x - 1)\,(4 x - 1)\,(13 x^{2} - 7 x + 1)}$$

Sequence: A084869
Score: 9.78244

Type of gen. func.: ogf

$$-\frac{13 x^2 - 7 x + 1}{(3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A084870
Score: 4.63394
Type of gen. func.: ogf

$$-\frac{3432 x^5 - 3340 x^4 + 1330 x^3 - 265 x^2 + 26 x - 1}{(6 x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (8 x - 1) (5 x - 1)}$$

Sequence: A084874
Score: 12.6554
Type of gen. func.: ogf

$$-\frac{9 x^2}{(6 x - 1) (3 x - 1) (9 x - 1)}$$

Sequence: A084874
Score: 13.9574
Type of gen. func.: lgdogf

$$-\frac{18 (27 x^2 - 11 x + 1)}{(6 x - 1) (3 x - 1) (9 x - 1)}$$

Sequence: A084874
Score: 5.43961
Type of gen. func.: ogf

$\{a(n + 3) - 18 a(n + 2) + 99 a(n + 1) - 162 a(n), a(0) = 0, a(1) = 0, a(2) = 9\}$

Sequence: A084874
Score: 7.29549
Type of gen. func.: ogf

3 2 2

$$162 f(x) x - 99 f(x) x + 18 f(x) x + 9 x - f(x)$$

Sequence: A084875
Score: 4.38828
Type of gen. func.: ogf

$$-\frac{x^2 (24300 x^3 + 648 x^2 - 273 x - 1)}{(18 x - 1) (9 x - 1) (6 x - 1) (3 x - 1) (14 x - 1) (27 x - 1)}$$

Sequence: A084879
Score: 5.37695
Type of gen. func.: ogf

$$\{a(n + 3) - 18 a(n + 2) + 99 a(n + 1) - 162 a(n), a(0) = 1, a(1) = 3, a(2) = 18\}$$

Sequence: A084879
Score: 5.37696
Type of gen. func.: ogf

$$(f(x) - 2) (162 f(x) x^3 - 99 f(x) x^2 + 18 f(x) x + 63 x^2 - f(x) - 15 x + 1)$$

Sequence: A084879
Score: 7.91180
Type of gen. func.: lgdogf

$$-\frac{3 (3402 x^4 - 1620 x^3 + 279 x^2 - 24 x + 1)}{(6 x - 1) (3 x - 1) (9 x - 1) (63 x^2 - 15 x + 1)}$$

Sequence: A084879
Score: 9.38960
Type of gen. func.: ogf

$$-\frac{63 x^2 - 15 x + 1}{(6 x - 1) (3 x - 1) (9 x - 1)}$$

Sequence: A084880
Score: 3.92146
Type of gen. func.: ogf

$$-\frac{514188 x^5 - 181764 x^4 + 27519 x^3 - 2074 x^2 + 74 x - 1}{(18 x - 1) (9 x - 1) (6 x - 1) (3 x - 1) (14 x - 1) (27 x - 1)}$$

Sequence: A084899
Score: 11.1945
Type of gen. func.: ogf

$$-\frac{x (3 x + 1)}{(2 x - 1)^3}$$

Sequence: A084899
Score: 23.6812
Type of gen. func.: lgdogf

$$-\frac{3 (4 x + 3)}{(3 x + 1) (2 x - 1)}$$

Sequence: A084899
Score: 5.79714
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 12 a(n + 1) - 8 a(n), a(0) = 0, a(1) = 1, a(2) = 9\}$$

Sequence: A084899
Score: 6.01185
Type of gen. func.: ogf

$$(9 f(x) + 1) (8 f(x) x^3 - 12 f(x) x^2 + 6 f(x) x + 3 x^2 - f(x) + x)$$

Sequence: A084900
Score: 10.9885
Type of gen. func.: ogf

$$-\frac{x (2 x + 1)}{(3 x - 1)^3}$$

Sequence: A084900
Score: 23.6588
Type of gen. func.: lgdogf

$$-\frac{11 + 12 x}{(2 x + 1) (3 x - 1)}$$

Sequence: A084900
Score: 5.40269
Type of gen. func.: ogf

$$-(18225 f(x) - 3724) (27 f(x) x^3 - 27 f(x) x^2 + 9 f(x) x + 2 x^2 - f(x) + x)$$

Sequence: A084900
Score: 5.68704
Type of gen. func.: ogf

$\{a(n + 3) - 9 a(n + 2) + 27 a(n + 1) - 27 a(n), a(0) = 0, a(1) = 1, a(2) = 11\}$

Sequence: A084901
Score: 10.2004
Type of gen. func.: ogf

$$-\frac{x (x + 1)}{(4 x - 1)^3}$$

Sequence: A084901
Score: 26.2066
Type of gen. func.: lgdogf

$$-\frac{13 + 8 x}{(x + 1) (4 x - 1)}$$

Sequence: A084901
Score: 5.05807
Type of gen. func.: ogf

$$-(11600 f(x) - 1647) (64 f(x) x^{3} - 48 f(x) x^{2} + 12 f(x) x + x^{2} - f(x) + x)$$

Sequence: A084901
Score: 5.32197
Type of gen. func.: ogf

$$\{a(n + 3) - 12 a(n + 2) + 48 a(n + 1) - 64 a(n), a(0) = 0, a(1) = 1, a(2) = 13\}$$

Sequence: A084902
Score: 13.5312
Type of gen. func.: ogf

$$-\frac{x}{(5 x - 1)^{3}}$$

Sequence: A084902
Score: 49.9809
Type of gen. func.: lgdogf

$$-\frac{15}{5 x - 1}$$

Sequence: A084902
Score: 5.24917
Type of gen. func.: ogf

$$\{a(n + 3) - 15 a(n + 2) + 75 a(n + 1) - 125 a(n), a(0) = 0, a(1) = 1, a(2) = 15\}$$

Sequence: A084902
Score: 5.85485
Type of gen. func.: ogf

3 2

$$(15 f(x) + 1) (125 f(x) x - 75 f(x) x + 15 f(x) x - f(x) + x)$$

Sequence: A084903
Score: 13.1654
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 10 x^2 - 2 x + 9}{(x - 1) (2 x - 1) (2 x^2 - 2 x - 1)}$$

Sequence: A084903
Score: 3.50072
Type of gen. func.: ogf

$$\{(-20 n^2 - 112 n - 144) a(n + 1) + (32 n^2 + 214 n + 354) a(n + 2)$$
$$+ (-11 n^2 - 61 n - 84) a(n + 3), a(0) = 1, a(1) = 9, a(2) = 44\}$$

Sequence: A084903
Score: 4.50778
Type of gen. func.: ogf

$$(1296 f(x) + 4631) (16 f(x) x^4 - 32 f(x) x^3 + 24 f(x) x^2 - 2 x^3 - 8 f(x) x$$
$$+ 4 x^2 + f(x) - x - 1)$$

Sequence: A084903
Score: 8.22670
Type of gen. func.: ogf

$$\frac{(x - 1) (2 x^2 - 2 x - 1)}{(2 x - 1)^4}$$

Sequence: A084915
Score: 3.14488
Type of gen. func.: ogf

```
        3      2
   {(-n  - 6 n  - 12 n - 8) a(n + 1) + (n + 1) a(n + 2), a(0) = 0, a(1) = 1}


--------------------------------------------------------------------------------

Sequence:  A084939
Score: 5.57347
Type of gen. func.: ogf


               2
         {(3 n  + 11 n + 10) a(n + 1) - 2 a(n + 2), a(0) = 1, a(1) = 1}


--------------------------------------------------------------------------------

Sequence:  A084940
Score: 5.16740
Type of gen. func.: ogf


               2
         {(5 n  + 17 n + 14) a(n + 1) - 2 a(n + 2), a(0) = 1, a(1) = 1}


--------------------------------------------------------------------------------

Sequence:  A084941
Score: 5.33235
Type of gen. func.: ogf


                2
          {(3 n  + 10 n + 8) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 1}


--------------------------------------------------------------------------------

Sequence:  A084942
Score: 4.49717
Type of gen. func.: ogf


               2
         {(7 n  + 23 n + 18) a(n + 1) - 2 a(n + 2), a(0) = 1, a(1) = 1}


--------------------------------------------------------------------------------

Sequence:  A084943
Score: 4.71261
Type of gen. func.: ogf


                2
          {(4 n  + 13 n + 10) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 1}


--------------------------------------------------------------------------------

Sequence:  A084944
Score: 4.76647
Type of gen. func.: ogf
```

$$\{(9 n^2 + 29 n + 22) a(n + 1) - 2 a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A084946
Score: 14.0458
Type of gen. func.: lgdegf]

$$- \frac{2}{5 x - 1}$$

Sequence: A084947
Score: 12.2126
Type of gen. func.: revegf]

$$- \frac{(1 - 5 x)^{2/5}}{7} + \frac{5 (1 - 5 x)^{2/5} x}{7} + 1/7$$

Sequence: A084947
Score: 34.1953
Type of gen. func.: lgdegf]

$$-2 + (1 - 7 x) f(x)$$

Sequence: A084947
Score: 5.95477
Type of gen. func.: ogf

$$\{(-7 n - 9) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A084948
Score: 10.7677
Type of gen. func.: revegf]

$$- \frac{(1 - 6 x)^{1/3}}{8} + \frac{3 (1 - 6 x)^{1/3} x}{4} + 1/8$$

Sequence: A084948
Score: 30.1496
Type of gen. func.: lgdegf]

$$-2 + (1 - 8 x) f(x)$$

Sequence: A084948
Score: 5.20311
Type of gen. func.: ogf

$$\{(-8 n - 10) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A084949
Score: 10.8967
Type of gen. func.: revegf]

$$- \frac{(1 - 7 x)^{2/7}}{9} + \frac{7 (1 - 7 x)^{2/7} x}{9} + 1/9$$

Sequence: A084949
Score: 30.5107
Type of gen. func.: lgdegf]

$$-2 + (1 - 9 x) f(x)$$

Sequence: A084949
Score: 5.26397
Type of gen. func.: ogf

$$\{(-9 n - 11) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A084964
Score: 14.7927
Type of gen. func.: ogf

$$\frac{x^2 - 2 x + 2}{(x + 1) (x - 1)^2}$$

Sequence: A084964
Score: 23.4053
Type of gen. func.: lgdogf

$$-\frac{x\,(x^2 - 3x + 6)}{(x - 1)(x + 1)(x^2 - 2x + 2)}$$

Sequence: A084964
Score: 7.58282
Type of gen. func.: ogf

$$-(188 f(x) + 353)\,(f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) + 2x - 2)$$

Sequence: A084964
Score: 8.12932
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n),\ a(0) = 2,\ a(1) = 0,\ a(2) = 3\}$$

Sequence: A084967
Score: 13.2556
Type of gen. func.: ogf

$$\frac{5\,(x^2 + 4x + 1)}{(x + 1)(x - 1)^2}$$

Sequence: A084967
Score: 7.20921
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n),\ a(0) = 5,\ a(1) = 25,\ a(2) = 35\}$$

Sequence: A084967
Score: 9.13167
Type of gen. func.: ogf

$$-f(x) x^3 + f(x) x^2 + f(x) x + 5 x^2 - f(x) + 20 x + 5$$

Sequence: A084968
Score: 7.08210
Type of gen. func.: ogf

$$\frac{7 (x^8 + 6 x^7 + 4 x^6 + 2 x^5 + 4 x^4 + 2 x^3 + 4 x^2 + 6 x + 1)}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A084990
Score: 11.3678
Type of gen. func.: ogf

$$-\frac{x (x^2 - 2 x - 1)}{(x - 1)^4}$$

Sequence: A084990
Score: 25.5760
Type of gen. func.: lgdogf

$$-\frac{2 (x + 1) (x - 3)}{(x - 1) (x^2 - 2 x - 1)}$$

Sequence: A084990
Score: 4.23394
Type of gen. func.: ogf

$\{(-n - 3) a(n + 4) + (4 - n) a(n + 3) + (7 + 3 n) a(n + 2) + (-n - 2) a(n + 1),$

$a(0) = 0, a(1) = 1, a(2) = 6, a(3) = 17\}$

Sequence: A084990
Score: 5.88548
Type of gen. func.: ogf

$-(256 f(x) + 969)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + x^3 - 4 f(x) x - 2 x^2 + f(x) - x)$$

Sequence: A085001
Score: 12.0990
Type of gen. func.: ogf

$$\frac{2 (x^2 - 8 x - 2)}{(x - 1)^3}$$

Sequence: A085001
Score: 22.2814
Type of gen. func.: lgdogf

$$- \frac{x^2 - 14 x - 14}{(x - 1) (x^2 - 8 x - 2)}$$

Sequence: A085001
Score: 6.41147
Type of gen. func.: ogf

$$(255 f(x) - 8321) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 2 x^2 - f(x) + 16 x + 4)$$

Sequence: A085001
Score: 6.58018
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 4, a(1) = 28, a(2) = 70\}$$

Sequence: A085024
Score: 3.08563
Type of gen. func.: ogf

$$\frac{2 (x^2 - 8 x - 2)}{(x - 1)^3}$$

Sequence: A085024
Score: 5.30054
Type of gen. func.: lgdogf

$$-\frac{x^2 - 14 x - 14}{(x - 1) (x^2 - 8 x - 2)}$$

Sequence: A085025
Score: 12.7326
Type of gen. func.: ogf

$$\frac{2 (2 x^2 - 24 x - 3)}{(x - 1)^3}$$

Sequence: A085025
Score: 20.3859
Type of gen. func.: lgdogf

$$-\frac{2 x^2 - 44 x - 33}{(x - 1) (2 x^2 - 24 x - 3)}$$

Sequence: A085025
Score: 6.74718
Type of gen. func.: ogf

$$(135 f(x) - 4682) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 4 x^2 - f(x) + 48 x + 6)$$

Sequence: A085025
Score: 6.86452
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 6, a(1) = 66, a(2) = 176\}$$

Sequence: A085026
Score: 12.9706
Type of gen. func.: ogf

$$\frac{5 x^2 - 70 x - 7}{(x - 1)^3}$$

Sequence: A085026
Score: 20.2415
Type of gen. func.: lgdogf

$$-\frac{5 x^2 - 130 x - 91}{(x - 1) (5 x^2 - 70 x - 7)}$$

Sequence: A085026
Score: 6.81505
Type of gen. func.: ogf

$$(384 f(x) - 18743) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 5 x^2 - f(x) + 70 x + 7)$$

Sequence: A085026
Score: 6.99283
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 7, a(1) = 91, a(2) = 247}

Sequence: A085027
Score: 14.9499
Type of gen. func.: ogf

$$\frac{3 x^2 - 14 x - 21}{(x - 1)^3}$$

Sequence: A085027
Score: 7.98174

Type of gen. func.: ogf

$$(208 f(x) - 6183) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 3 x^2 - f(x) + 14 x + 21)$$

Sequence: A085027
Score: 8.11935
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 21, a(1) = 77, a(2) = 165\}$$

Sequence: A085036
Score: 13.0270
Type of gen. func.: ogf

$$\frac{2 (3 x^2 - 21 x - 7)}{(x - 1)^3}$$

Sequence: A085036
Score: 21.2064
Type of gen. func.: lgdogf

$$- \frac{3 (x^2 - 12 x - 14)}{(x - 1) (3 x^2 - 21 x - 7)}$$

Sequence: A085036
Score: 6.95508
Type of gen. func.: ogf

$$(145 f(x) - 5702) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 6 x^2 - f(x) + 42 x + 14)$$

Sequence: A085036
Score: 7.07499
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 14, a(1) = 84, a(2) = 204\}$$

Sequence: A085046
Score: 12.1944
Type of gen. func.: ogf

$$\frac{x^3 - 3 x^2 - x - 1}{(x + 1) (x - 1)^3}$$

Sequence: A085046
Score: 15.2904
Type of gen. func.: lgdogf

$$- \frac{x^4 - 4 x^3 - 6 x^2 - 12 x - 3}{(x - 1) (x + 1) (x^3 - 3 x^2 - x - 1)}$$

Sequence: A085046
Score: 6.73130
Type of gen. func.: ogf

{a(n + 4) - 2 a(n + 3) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 3, a(2) = 9,

a(3) = 15}

Sequence: A085046
Score: 7.01176
Type of gen. func.: ogf

$$(8 f(x) - 35) (f(x) x^4 - 2 f(x) x^3 - x^3 + 2 f(x) x + 3 x^2 - f(x) + x + 1)$$

Sequence: A085047
Score: 11.4758
Type of gen. func.: ogf

$$- \frac{3 x^3 + x^2 + 7 x + 1}{(x - 1)^3 (x + 1)^3}$$

Sequence: A085047
Score: 14.4184
Type of gen. func.: lgdogf

$$-\frac{9 x^{4} + 4 x^{3} + 44 x^{2} + 8 x + 7}{(x - 1) (x + 1) (3 x^{3} + x^{2} + 7 x + 1)}$$

Sequence: A085110
Score: 4.38668
Type of gen. func.: ogf

$$\{(n^{2} + 7 n + 12) a(n + 1) + (n^{2} + 6 n + 8) a(n + 2) + (-n - 3) a(n + 3),$$
$$a(0) = 1, a(1) = 4, a(2) = 9\}$$

Sequence: A085121
Score: 17.8235
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{3 x^{7}}{x^{8} + 1}$$

Sequence: A085123
Score: 2.15631
Type of gen. func.: ogf

$$(f(x) x^{2} - 2 f(x) x + f(x) - 1)^{2}$$

Sequence: A085134
Score: 2.10626
Type of gen. func.: ogf

$$(f(x) x^{2} - 2 f(x) x + f(x) - 1)^{2}$$

Sequence: A085139

Score: 9.77429
Type of gen. func.: ogf

$$f(x)^2 x + f(x) x^2 - x^2 - f(x) + 1$$

Sequence: A085140
Score: 19.7509
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 + x}{-x^2 + 1}$$

Sequence: A085151
Score: 13.3136
Type of gen. func.: lgdogf

$$-\frac{x^4 + 4 x^3 + 42 x^2 + 44 x + 29}{(x - 1) (x^4 + 14 x^2 + 4 x + 5)}$$

Sequence: A085151
Score: 8.02608
Type of gen. func.: ogf

$$-\frac{x^4 + 14 x^2 + 4 x + 5}{(x - 1)^5}$$

Sequence: A085250
Score: 12.8885
Type of gen. func.: ogf

$$-\frac{4 x (3 x + 1)}{(x - 1)^3}$$

Sequence: A085250
Score: 33.4691

Type of gen. func.: lgdogf

$$-\frac{6 (x + 1)}{(3 x + 1) (x - 1)}$$

Sequence: A085250
Score: 6.38918
Type of gen. func.: ogf

$$-(268 f(x) - 1365) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 12 x^2 - f(x) + 4 x)$$

Sequence: A085250
Score: 6.67441
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 4, a(2) = 24\}$$

Sequence: A085259
Score: 6.85145
Type of gen. func.: lgdogf

$$-\frac{30 x^9 + 26 x^8 + 22 x^7 + 18 x^6 + 19 x^5 - 49 x^4 - 45 x^3 - 41 x^2 - 37 x - 33}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (30 x^5 - 2 x^4 - 2 x^3 - 2 x^2 - x - 32)}$$

Sequence: A085259
Score: 9.87554
Type of gen. func.: ogf

$$-\frac{30 x^5 - 2 x^4 - 2 x^3 - 2 x^2 - x - 32}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A085260
Score: 11.0865
Type of gen. func.: ogf

$$-\frac{x - 1}{}$$

$$x^2 - 13 x + 1$$

Sequence: A085260
Score: 11.5964
Type of gen. func.: revogf

$$-\frac{-1 - 13 x + (165 x^2 + 22 x + 1)^{1/2}}{2 (x + 1)}$$

Sequence: A085260
Score: 5.60416
Type of gen. func.: ogf

$$-(77 f(x) - 5) (f(x) x^2 - 13 f(x) x + f(x) + x - 1)$$

Sequence: A085260
Score: 6.07117
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1) + a(n), a(0) = 1, a(1) = 12\}$$

Sequence: A085261
Score: 9.09549
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^7 - x^6 + 3 x^5 - x^4 - 3 x^3 - x^2 + 3 x - 1}{-x^8 + 1}$$

Sequence: A085265
Score: 13.5760
Type of gen. func.: ogf

$$-\frac{x^{12} - x^{11} + x - 2}{(x - 1)^2}$$

Sequence: A085265
Score: 16.4383
Type of gen. func.: lgdogf

$$\frac{10 x^{12} - 21 x^{11} + 11 x^{10} - x + 3}{(x - 1) (x^{12} - x^{11} + x - 2)}$$

Sequence: A085268
Score: 10.4423
Type of gen. func.: ogf

$$\frac{x^{2} (x^{7} + x^{6} + x^{4} + x^{2} + 1)}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A085277
Score: 12.2075
Type of gen. func.: ogf

$$\frac{(x + 1)^{2}}{(3 x - 1) (2 x - 1)}$$

Sequence: A085277
Score: 19.8162
Type of gen. func.: lgdogf

$$- \frac{-7 + 17 x}{(3 x - 1) (2 x - 1) (x + 1)}$$

Sequence: A085277
Score: 6.28150
Type of gen. func.: ogf

$\{-a(n + 3) + 5 a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 7, a(2) = 30\}$

Sequence: A085277
Score: 6.81046
Type of gen. func.: ogf

$$(24 + 25 f(x)) (6 f(x) x^2 - 5 f(x) x - x^2 + f(x) - 2 x - 1)$$

Sequence: A085278
Score: 11.1515
Type of gen. func.: ogf

$$\frac{(2 x + 1)^2}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A085278
Score: 13.6048
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^3 + 3 x^2 + x - 3)}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A085278
Score: 5.76474
Type of gen. func.: ogf

$$(13339 f(x) - 4128) (2 f(x) x^3 - f(x) x^2 - 2 f(x) x - 4 x^2 + f(x) - 4 x - 1)$$

Sequence: A085278
Score: 6.01982
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + a(n + 1) - 2 a(n), a(0) = 1, a(1) = 6, a(2) = 17\}$$

Sequence: A085279
Score: 12.4993
Type of gen. func.: ogf

$$- \frac{2 x^2 + 2 x - 1}{\quad}$$

$$(3x - 1)(2x - 1)$$

Sequence: A085279
Score: 14.1148
Type of gen. func.: lgdogf

$$-\frac{22x^2 - 16x + 3}{(2x - 1)(3x - 1)(2x^2 + 2x - 1)}$$

Sequence: A085279
Score: 6.49475
Type of gen. func.: ogf

$$\{a(n + 3) - 5a(n + 2) + 6a(n + 1), a(0) = 1, a(1) = 3, a(2) = 7\}$$

Sequence: A085279
Score: 7.04748
Type of gen. func.: ogf

$$(f(x) - 10)(6f(x)x^2 - 5f(x)x + 2x^2 + f(x) + 2x - 1)$$

Sequence: A085280
Score: 5.44414
Type of gen. func.: ogf

$$\{a(n + 3) - 8a(n + 2) + 19a(n + 1) - 12a(n), a(0) = 1, a(1) = 4, a(2) = 14\}$$

Sequence: A085280
Score: 5.4919
Type of gen. func.: ogf

$$(7f(x) - 37)(12f(x)x^3 - 19f(x)x^2 + 8f(x)x + x^2 - f(x) - 4x + 1)$$

Sequence: A085280
Score: 9.43636
Type of gen. func.: lgdogf

$$-\frac{4 (3 x^4 - 24 x^3 + 26 x^2 - 9 x + 1)}{(x - 1) (3 x - 1) (4 x - 1) (x^2 - 4 x + 1)}$$

Sequence: A085280
Score: 9.93771
Type of gen. func.: ogf

$$-\frac{x^2 - 4 x + 1}{(x - 1) (3 x - 1) (4 x - 1)}$$

Sequence: A085281
Score: 12.4371
Type of gen. func.: ogf

$$\frac{x^2 - 3 x + 1}{(3 x - 1) (2 x - 1)}$$

Sequence: A085281
Score: 14.6815
Type of gen. func.: lgdogf

$$\frac{13 x^2 - 10 x + 2}{(3 x - 1) (2 x - 1) (x^2 - 3 x + 1)}$$

Sequence: A085281
Score: 6.46243
Type of gen. func.: ogf

{a(n + 3) - 5 a(n + 2) + 6 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 5}

Sequence: A085281
Score: 9.28405
Type of gen. func.: ogf

2 2

$$6 f(x) x - 5 f(x) x - x + f(x) + 3 x - 1$$

Sequence: A085282
Score: 5.23444
Type of gen. func.: ogf

$$-(19 f(x) - 29) (12 f(x) x^3 - 19 f(x) x^2 + 8 f(x) x + 5 x^2 - f(x) - 5 x + 1)$$

Sequence: A085282
Score: 5.41650
Type of gen. func.: ogf

$$\{-a(n + 3) + 8 a(n + 2) - 19 a(n + 1) + 12 a(n), a(0) = 1, a(1) = 3, a(2) = 10\}$$

Sequence: A085282
Score: 8.97332
Type of gen. func.: lgdogf

$$-\frac{60 x^4 - 120 x^3 + 91 x^2 - 28 x + 3}{(x - 1) (4 x - 1) (3 x - 1) (5 x^2 - 5 x + 1)}$$

Sequence: A085282
Score: 9.88727
Type of gen. func.: ogf

$$-\frac{5 x^2 - 5 x + 1}{(x - 1) (3 x - 1) (4 x - 1)}$$

Sequence: A085284
Score: 17.9426
Type of gen. func.: lgdogf

$$-\frac{10 (8 x^2 + 11 x + 2)}{(x - 1) (16 x^2 + 13 x + 1)}$$

Sequence: A085284
Score: 3.58624
Type of gen. func.: ogf

$$\{(n + 3)\, a(n + 4) + (4 + 12 n)\, a(n + 3) + (-107 + 3 n)\, a(n + 2) + (-80 - 16 n)\, a(n + 1),\ a(0) = 0,\ a(1) = 1,\ a(2) = 20,\ a(3) = 135\}$$

Sequence: A085284
Score: 7.06802
Type of gen. func.: ogf

$$-\frac{x\,(16 x^2 + 13 x + 1)}{(x - 1)^7}$$

Sequence: A085287
Score: 13.0324
Type of gen. func.: lgdogf

$$-\frac{24 x^3 + 5 x^2 - 2 x - 7}{(x - 1)\,(3 x - 1)\,(4 x + 1)\,(x + 1)}$$

Sequence: A085287
Score: 14.9006
Type of gen. func.: ogf

$$\frac{4 x + 1}{(x - 1)\,(3 x - 1)\,(x + 1)}$$

Sequence: A085287
Score: 6.98877
Type of gen. func.: ogf

$$\{a(n + 3) - 3\, a(n + 2) - a(n + 1) + 3\, a(n),\ a(0) = 1,\ a(1) = 7,\ a(2) = 22\}$$

Sequence: A085287
Score: 7.05118
Type of gen. func.: ogf

$$-(389 f(x) - 1149) (3 f(x) x^3 - f(x) x^2 - 3 f(x) x + f(x) - 4 x - 1)$$

Sequence: A085292
Score: 4.61259
Type of gen. func.: ogf

$$(16380 f(x) + 2563)$$

$$(f(x) x^4 - 2 f(x) x^3 - 7 f(x) x^2 + 2 x^3 - 2 f(x) x - 3 x^2 + f(x) - 7 x - 1)$$

Sequence: A085292
Score: 7.84940
Type of gen. func.: lgdogf

$$- \frac{2 x^6 - 6 x^5 - x^4 + 32 x^3 + 43 x^2 + 20 x + 9}{(2 x^3 - 3 x^2 - 7 x - 1) (x^4 - 2 x^3 - 7 x^2 - 2 x + 1)}$$

Sequence: A085292
Score: 8.62613
Type of gen. func.: ogf

$$- \frac{2 x^3 - 3 x^2 - 7 x - 1}{x^4 - 2 x^3 - 7 x^2 - 2 x + 1}$$

Sequence: A085293
Score: 5.20832
Type of gen. func.: ogf

$$(8190 f(x) + 2563) ($$

$$f(x) x^4 - 2 f(x) x^3 - 7 f(x) x^2 + 4 x^3 - 2 f(x) x - 6 x^2 + f(x) - 14 x - 2)$$

Sequence: A085293
Score: 8.88101
Type of gen. func.: lgdogf

$$-\frac{2x^6-6x^5-x^4+32x^3+43x^2+20x+9}{(2x^3-3x^2-7x-1)(x^4-2x^3-7x^2-2x+1)}$$

Sequence: A085293
Score: 9.61537
Type of gen. func.: ogf

$$-\frac{2(2x^3-3x^2-7x-1)}{x^4-2x^3-7x^2-2x+1}$$

Sequence: A085302
Score: 5.45831
Type of gen. func.: ogf

$$-(x^{23}-x^{22}-x^{13}+x^{11}+x^{10}-2x^9-x^8-x^7-2x^6-x^5-x^4-x^3-x^2-2x-2)\Big/\left((x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x-1)^2\right)$$

Sequence: A085327
Score: 3.19639
Type of gen. func.: ogf

$$-\frac{x^2-x+1}{(x-1)(x^2-3x+1)}$$

Sequence: A085333
Score: 9.44057
Type of gen. func.: ogf

$$-\frac{(6x^2-1)(12x^2+9x+2)}{(3x-1)(2x-1)(4x^2+2x+1)(9x^2+3x+1)}$$

Sequence: A085348
Score: 10.6499
Type of gen. func.: ogf

$$\frac{x^2 + 4 x + 1}{(x^2 + 4 x - 1) (x^2 - 4 x - 1)}$$

Sequence: A085348
Score: 6.17692
Type of gen. func.: ogf

$$(12238 f(x) - 179) (f(x) x^4 - 18 f(x) x^2 - x^2 + f(x) - 4 x - 1)$$

Sequence: A085348
Score: 8.52323
Type of gen. func.: lgdogf

$$- \frac{2 (x^5 + 6 x^4 + 2 x^3 - 36 x^2 - 19 x - 2)}{(x^2 + 4 x + 1) (x^2 + 4 x - 1) (x^2 - 4 x - 1)}$$

Sequence: A085349
Score: 5.60937
Type of gen. func.: ogf

$$(38078 f(x) - 4259) (f(x) x^4 - 18 f(x) x^2 + x^3 + 3 x^2 + f(x) - 4 x - 1)$$

Sequence: A085349
Score: 7.48598
Type of gen. func.: lgdogf

$$- \frac{x^6 + 6 x^5 + 6 x^4 - 4 x^3 + 69 x^2 + 30 x + 4}{(x^2 - 4 x - 1) (x^2 + 4 x - 1) (x^3 + 3 x^2 - 4 x - 1)}$$

Sequence: A085349
Score: 9.26395
Type of gen. func.: ogf

$$-\frac{x^3 + 3x^2 - 4x - 1}{(x^2 + 4x - 1)(x^2 - 4x - 1)}$$

Sequence: A085350
Score: 13.3599
Type of gen. func.: ogf

$$-\frac{2x - 1}{(4x - 1)(3x - 1)}$$

Sequence: A085350
Score: 14.3337
Type of gen. func.: lgdogf

$$-\frac{24x^2 - 24x + 5}{(3x - 1)(2x - 1)(4x - 1)}$$

Sequence: A085350
Score: 15.4363
Type of gen. func.: revogf

$$-\frac{-1 - 7x + (x^2 + 6x + 1)^{1/2}}{4(1 + 6x)}$$

Sequence: A085350
Score: 6.9836
Type of gen. func.: ogf

$$(11 f(x) + 14)(12 f(x) x^2 - 7 f(x) x + f(x) + 2x - 1)$$

Sequence: A085350

Score: 7.40429
Type of gen. func.: ogf

$$\{-a(n+2)+7\,a(n+1)-12\,a(n),\ a(0)=1,\ a(1)=5\}$$

Sequence: A085351
Score: 12.3105
Type of gen. func.: ogf

$$-\frac{3x-1}{(5x-1)(4x-1)}$$

Sequence: A085351
Score: 12.8861
Type of gen. func.: lgdogf

$$-\frac{2(30x^2-20x+3)}{(4x-1)(3x-1)(5x-1)}$$

Sequence: A085351
Score: 13.8526
Type of gen. func.: revogf

$$-\frac{-1-9x+(x^2+6x+1)^{1/2}}{2(3+20x)}$$

Sequence: A085351
Score: 6.50898
Type of gen. func.: ogf

$$(7f(x)+11)(20f(x)x^2-9f(x)x+f(x)+3x-1)$$

Sequence: A085351
Score: 6.82266
Type of gen. func.: ogf

$$\{-a(n+2)+9\,a(n+1)-20\,a(n),\ a(0)=1,\ a(1)=6\}$$

Sequence: A085352
Score: 11.8554
Type of gen. func.: ogf

$$-\frac{4x-1}{(6x-1)(5x-1)}$$

Sequence: A085352
Score: 12.9815
Type of gen. func.: lgdogf

$$-\frac{120x^2-60x+7}{(6x-1)(4x-1)(5x-1)}$$

Sequence: A085352
Score: 13.2981
Type of gen. func.: revogf

$$-\frac{-11x-1+(x^2+6x+1)^{1/2}}{4(2+15x)}$$

Sequence: A085352
Score: 6.26074
Type of gen. func.: ogf

$$(17f(x)+32)(30f(x)x^2-11f(x)x+f(x)+4x-1)$$

Sequence: A085352
Score: 6.63340
Type of gen. func.: ogf

$$\{-a(n+2)+11a(n+1)-30a(n), a(0)=1, a(1)=7\}$$

Sequence: A085353
Score: 12.5566
Type of gen. func.: ogf

$$-\frac{5 x - 1}{(7 x - 1) (6 x - 1)}$$

Sequence: A085353
Score: 13.4460
Type of gen. func.: lgdogf

$$-\frac{2 (105 x^2 - 42 x + 4)}{(6 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A085353
Score: 14.1019
Type of gen. func.: revogf

$$-\frac{-1 - 13 x + (x^2 + 6 x + 1)^{1/2}}{2 (5 + 42 x)}$$

Sequence: A085353
Score: 6.70636
Type of gen. func.: ogf

$$(5 f(x) + 11) (42 f(x) x^2 - 13 f(x) x + f(x) + 5 x - 1)$$

Sequence: A085353
Score: 7.02570
Type of gen. func.: ogf

$$\{-a(n + 2) + 13 a(n + 1) - 42 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A085354
Score: 11.4018
Type of gen. func.: ogf

$$\frac{x - 1}{(4 x - 1) (2 x - 1)^2}$$

Sequence: A085354
Score: 16.1725
Type of gen. func.: lgdogf

$$-\frac{16 x^2 - 26 x + 7}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A085354
Score: 5.45303
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 20 a(n + 1) - 16 a(n), a(0) = 1, a(1) = 7, a(2) = 36\}$$

Sequence: A085354
Score: 5.7009
Type of gen. func.: ogf

$$(1009 f(x) - 898) (16 f(x) x^3 - 20 f(x) x^2 + 8 f(x) x - f(x) - x + 1)$$

Sequence: A085356
Score: 4.80191
Type of gen. func.: ogf

$$\{(n^2 + 9 n + 18) a(n + 1) - 2 a(n + 2), a(0) = 1, a(1) = 5\}$$

Sequence: A085362
Score: 12.606
Type of gen. func.: ogf

$$-5 f(x)^2 x + f(x)^2 + x - 1$$

Sequence: A085362
Score: 40.3433
Type of gen. func.: lgdogf

$$\frac{2}{}$$

$$(5 x - 1) (x - 1)$$

Sequence: A085362
Score: 5.06305
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) + (-8 - 6 n) a(n + 1) + 5 n a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A085363
Score: 12.2886
Type of gen. func.: ogf

$$-9 f(x)^2 x + f(x)^2 + x - 1$$

Sequence: A085363
Score: 39.3439
Type of gen. func.: lgdogf

$$\frac{4}{(9 x - 1) (x - 1)}$$

Sequence: A085363
Score: 4.85598
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) + (-14 - 10 n) a(n + 1) + 9 n a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A085364
Score: 10.8678
Type of gen. func.: ogf

$$-13 f(x)^2 x + f(x)^2 + x - 1$$

Sequence: A085364
Score: 4.34712
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) + (-20 - 14 n) a(n + 1) + 13 n a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A085373
Score: 23.5395
Type of gen. func.: lgdogf

$$-\frac{3(-3+2x)}{(4x-1)(x-1)}$$

Sequence: A085373
Score: 4.08098
Type of gen. func.: ogf

$$\{(n+3)a(n+3)+(-19-5n)a(n+2)+(10+4n)a(n+1), a(0)=1, a(1)=9, a(2)=60\}$$

Sequence: A085374
Score: 13.9033
Type of gen. func.: lgdogf

$$-\frac{4(3x^2-4x+3)}{(4x-1)(2x^2-2x+1)}$$

Sequence: A085375
Score: 11.1018
Type of gen. func.: lgdogf

$$-\frac{15(x-1)(2x^2-x+1)}{(4x-1)(5x^3-6x^2+3x-1)}$$

Sequence: A085375
Score: 4.70062
Type of gen. func.: ogf

$$\{(4n^2+34n+60)a(n+1)+(-n^2-5n-6)a(n+2), a(0)=1, a(1)=15\}$$

Sequence: A085376
Score: 10.8221
Type of gen. func.: ogf

$$\frac{x^2 + 3x + 1}{x^4 - 10x^2 + 1}$$

Sequence: A085376
Score: 6.53834
Type of gen. func.: ogf

$$(166 f(x) - 3) (f(x) x^4 - 10 f(x) x^2 - x^2 + f(x) - 3 x - 1)$$

Sequence: A085376
Score: 9.91623
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 9 x^4 + 4 x^3 - 30 x^2 - 22 x - 3}{(x^2 + 3 x + 1) (x^4 - 10 x^2 + 1)}$$

Sequence: A085377
Score: 10.0024
Type of gen. func.: ogf

$$-\frac{2 x (x^2 - 26 x - 14)}{(x - 1)^4}$$

Sequence: A085377
Score: 19.9868
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 - 38 x - 41)}{(x - 1) (x^2 - 26 x - 14)}$$

Sequence: A085377
Score: 3.62405
Type of gen. func.: ogf

$$\{(42 + 14 n) a(n + 4) + (-58 + 12 n) a(n + 3) + (-103 - 27 n) a(n + 2) + (n + 2) a(n + 1), a(0) = 0, a(1) = 28, a(2) = 164, a(3) = 486\}$$

Sequence: A085377
Score: 4.90313
Type of gen. func.: ogf

$$(651849900 f(x) + 22026847903) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 2 x^3 - 4 f(x) x - 52 x^2 + f(x) - 28 x)$$

Sequence: A085385
Score: 3.44641
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 4) + (11 + n) a(n + 3) + (6 + 4 n) a(n + 2) + (-8 - 4 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 9, a(3) = 46\}$$

Sequence: A085385
Score: 4.78128
Type of gen. func.: ogf

$$(5120 f(x) + 8687) (16 f(x) x^4 - 32 f(x) x^3 + 24 f(x) x^2 + 2 x^3 - 8 f(x) x - x^2 + f(x) - x)$$

Sequence: A085385
Score: 8.93346
Type of gen. func.: ogf

$$- \frac{x (2 x + 1) (x - 1)}{(2 x - 1)^4}$$

Sequence: A085403
Score: 12.5829
Type of gen. func.: ogf

$$f(x)^2 + f(x)\,x - f(x) + x$$

Sequence: A085403
Score: 15.7591
Type of gen. func.: lgdogf

$$\frac{-x - 1 + (x^2 - 6\,x + 1)^{1/2}}{2\,x\,(x^2 - 6\,x + 1)^{1/2}}$$

Sequence: A085403
Score: 3.42603
Type of gen. func.: ogf

$$\{(-n^2 + n)\,a(n) + (5\,n^2 + n)\,a(n + 1) + (5\,n^2 + 19\,n + 18)\,a(n + 2)$$

$$+ (-n^2 - 5\,n - 6)\,a(n + 3),\ a(0) = 1,\ a(1) = -2,\ a(2) = -2\}$$

Sequence: A085409
Score: 10.0816
Type of gen. func.: ogf

$$\frac{6\,x\,(x^2 + 6\,x + 2)}{(x - 1)^4}$$

Sequence: A085409
Score: 22.5870
Type of gen. func.: lgdogf

$$- \frac{2\,(x^2 + 10\,x + 7)}{(x - 1)\,(x^2 + 6\,x + 2)}$$

Sequence: A085409
Score: 3.78062
Type of gen. func.: ogf

$$\{(2 n + 6) a(n + 4) + (-6 + 4 n) a(n + 3) + (-25 - 5 n) a(n + 2) + (-n - 2) a(n + 1), a(0) = 0, a(1) = 12, a(2) = 84, a(3) = 270\}$$

Sequence: A085409
Score: 5.38458
Type of gen. func.: ogf

$$-(1876932 f(x) + 30587185) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 6 x^3 - 4 f(x) x - 36 x^2 + f(x) - 12 x)$$

Sequence: A085435
Score: 5.4883
Type of gen. func.: ogf

$$-(8825 f(x) + 14808) (16 f(x) x^4 + 12 f(x) x^3 - 8 f(x) x^2 - 3 f(x) x - 12 x^2 + f(x) - 3)$$

Sequence: A085437
Score: 5.62440
Type of gen. func.: lgdogf

$$-\frac{2 (x + 5) (2 x + 1)}{(x - 1) (x^2 + 4 x + 1)}$$

Sequence: A085438
Score: 11.7588
Type of gen. func.: lgdogf

$$-\frac{4 (x^4 + 26 x^3 + 87 x^2 + 59 x + 7)}{(x - 1) (x^4 + 20 x^3 + 48 x^2 + 20 x + 1)}$$

Sequence: A085438
Score: 6.03420
Type of gen. func.: ogf

$$\frac{x^4 + 20 x^3 + 48 x^2 + 20 x + 1}{(x - 1)^8}$$

Sequence: A085439
Score: 4.46341
Type of gen. func.: ogf

$$\frac{x^6 + 72 x^5 + 603 x^4 + 1168 x^3 + 603 x^2 + 72 x + 1}{(x - 1)^{10}}$$

Sequence: A085447
Score: 12.2492
Type of gen. func.: ogf

$$\frac{2 (3 x - 1)}{x^2 + 6 x - 1}$$

Sequence: A085447
Score: 15.4066
Type of gen. func.: lgdogf

$$- \frac{3 x^2 - 2 x - 3}{(3 x - 1) (x^2 + 6 x - 1)}$$

Sequence: A085447
Score: 6.19342
Type of gen. func.: ogf

$$(185 f(x) - 289) (f(x) x^2 + 6 f(x) x - f(x) - 6 x + 2)$$

Sequence: A085447
Score: 6.72212
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) + a(n), a(0) = 2, a(1) = 6\}$$

Sequence: A085449
Score: 10.5474
Type of gen. func.: ogf

$$4 f(x) x^2 + 2 f(x) x - f(x) + x$$

Sequence: A085449
Score: 16.8188
Type of gen. func.: ogf

$$-\frac{x}{4 x^2 + 2 x - 1}$$

Sequence: A085449
Score: 17.5007
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (20 x^2 + 4 x + 1)^{1/2}}{8 x}$$

Sequence: A085449
Score: 25.5218
Type of gen. func.: lgdogf

$$-\frac{2 (4 x + 1)}{4 x^2 + 2 x - 1}$$

Sequence: A085449
Score: 7.68268
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A085455
Score: 16.3119
Type of gen. func.: ogf

$$3 f(x)^2 x + f(x)^2 + x - 1$$

Sequence: A085455
Score: 55.7797
Type of gen. func.: lgdogf

$$\frac{2}{(3 x + 1) (x - 1)}$$

Sequence: A085455
Score: 6.55149
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) + (2 n + 4) a(n + 1) - 3 n a(n), a(0) = 1, a(1) = -2\}$$

Sequence: A085456
Score: 15.1656
Type of gen. func.: ogf

$$7 f(x)^2 x + f(x)^2 + x - 1$$

Sequence: A085456
Score: 51.0040
Type of gen. func.: lgdogf

$$\frac{4}{(1 + 7 x) (x - 1)}$$

Sequence: A085456
Score: 6.04155
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) + (10 + 6 n) a(n + 1) - 7 n a(n), a(0) = 1, a(1) = -4\}$$

Sequence: A085457
Score: 14.3093
Type of gen. func.: ogf

$$11 f(x)^2 x + f(x)^2 + x - 1$$

Sequence: A085457
Score: 45.8581
Type of gen. func.: lgdogf

$$\frac{6}{(1 + 11 x) (x - 1)}$$

Sequence: A085457
Score: 5.72370
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) + (16 + 10 n) a(n + 1) - 11 n a(n), a(0) = 1, a(1) = -6\}$$

Sequence: A085458
Score: 12.4266
Type of gen. func.: ogf

$$-7 f(x)^2 x + f(x)^2 - x - 1$$

Sequence: A085458
Score: 37.2954
Type of gen. func.: lgdogf

$$-\frac{4}{(x + 1) (7 x - 1)}$$

Sequence: A085458
Score: 4.95044
Type of gen. func.: ogf

$\{(-n - 2) a(n + 2) + (10 + 6 n) a(n + 1) + 7 n a(n), a(0) = 1, a(1) = 4\}$

Sequence: A085461
Score: 15.1438
Type of gen. func.: lgdogf

$$-\frac{(3 x + 1) (x^2 + 10 x + 13)}{(x - 1) (x + 1) (x^2 + 6 x + 1)}$$

Sequence: A085461
Score: 3.90372
Type of gen. func.: ogf

$$\{(-2 n^2 - 15 n - 28) a(n + 1) + (4 n^2 + 28 n + 79) a(n + 2) + (-2 n^2 - 13 n - 21) a(n + 3), a(0) = 1, a(1) = 13, a(2) = 70\}$$

Sequence: A085461
Score: 7.40080
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 6 x + 1)}{(x - 1)^6}$$

Sequence: A085462
Score: 14.1743
Type of gen. func.: lgdogf

$$-\frac{3 x^3 + 35 x^2 + 56 x + 14}{(x - 1) (x + 1) (x^2 + 7 x + 1)}$$

Sequence: A085462
Score: 3.69527
Type of gen. func.: ogf

$$\{(-5 n^2 - 39 n - 76) a(n + 1) + (10 n^2 + 70 n + 184) a(n + 2) + (-5 n^2 - 31 n - 48) a(n + 3), a(0) = 1, a(1) = 14, a(2) = 77\}$$

Sequence: A085462
Score: 7.08260
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 7 x + 1)}{(x - 1)^6}$$

Sequence: A085463
Score: 15.4033
Type of gen. func.: lgdogf

$$- \frac{3 (x^3 + 9 x^2 + 14 x + 4)}{(x - 1) (x + 1) (x^2 + 5 x + 1)}$$

Sequence: A085463
Score: 3.92784
Type of gen. func.: ogf

$$\{(-n^2 - 7 n - 12) a(n + 1) + (2 n^2 + 14 n + 44) a(n + 2) + (-n^2 - 7 n - 12) a(n + 3), a(0) = 1, a(1) = 12, a(2) = 63\}$$

Sequence: A085463
Score: 7.36470
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 5 x + 1)}{(x - 1)^6}$$

Sequence: A085464
Score: 14.0304
Type of gen. func.: lgdogf

$$-\frac{3 x^3 + 49 x^2 + 97 x + 19}{(x - 1) (x + 1) (x^2 + 10 x + 1)}$$

Sequence: A085464
Score: 5.92180
Type of gen. func.: ogf

$$-\frac{(x^2 + 10 x + 1) (x + 1)^2}{(x - 1)^7}$$

Sequence: A085465
Score: 22.0015
Type of gen. func.: lgdogf

$$-\frac{3 (x^2 + 8 x + 5)}{(x - 1) (x^2 + 4 x + 1)}$$

Sequence: A085465
Score: 3.55274
Type of gen. func.: ogf

{(n + 4) a(n + 4) + (-6 + 3 n) a(n + 3) + (-30 - 3 n) a(n + 2)

+ (-4 - n) a(n + 1), a(0) = 1, a(1) = 15, a(2) = 102, a(3) = 442}

Sequence: A085465
Score: 6.29520
Type of gen. func.: ogf

$$-\frac{(x^2 + 4 x + 1)^2}{(x - 1)^7}$$

Sequence: A085473
Score: 12.9035
Type of gen. func.: ogf

$$-\frac{4x^2+7x+1}{(x-1)^3}$$

Sequence: A085473
Score: 21.4437
Type of gen. func.: lgdogf

$$-\frac{2(x+5)(2x+1)}{(x-1)(4x^2+7x+1)}$$

Sequence: A085473
Score: 6.67044
Type of gen. func.: ogf

$$(5776 f(x) - 25999) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) + 7 x + 1)$$

Sequence: A085473
Score: 6.90449
Type of gen. func.: ogf

$$\{a(n+3) - 3 a(n+2) + 3 a(n+1) - a(n), a(0) = 1, a(1) = 10, a(2) = 31\}$$

Sequence: A085474
Score: 14.4058
Type of gen. func.: lgdogf

$$-\frac{5x^3+45x^2+63x+15}{(x-1)(x+1)(5x^2+10x+1)}$$

Sequence: A085474
Score: 4.01433

Type of gen. func.: ogf

$$\{(3 n^2 + 18 n + 24) a(n + 1) + (2 n^2 + 34 n + 105) a(n + 2) + (-5 n^2 - 28 n - 39) a(n + 3), a(0) = 1, a(1) = 15, a(2) = 69\}$$

Sequence: A085474
Score: 5.10154
Type of gen. func.: ogf

$$(368 f(x) + 2953) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 5 x^3 - 4 f(x) x - 15 x^2 + f(x) - 11 x - 1)$$

Sequence: A085474
Score: 9.29901
Type of gen. func.: ogf

$$\frac{(x + 1) (5 x^2 + 10 x + 1)}{(x - 1)^4}$$

Sequence: A085479
Score: 3.63620
Type of gen. func.: ogf

$$\frac{728 (x^6 + 120 x^5 + 1191 x^4 + 2416 x^3 + 1191 x^2 + 120 x + 1)}{(x - 1)^8}$$

Sequence: A085480
Score: 13.7265
Type of gen. func.: ogf

$$- \frac{3 (2 x + 1)}{3 x^2 + 3 x - 1}$$

Sequence: A085480
Score: 15.1287
Type of gen. func.: revogf

$$\frac{-3 - 3 x + (21 x^2 + 42 x + 9)^{1/2}}{6 (x + 2)}$$

Sequence: A085480
Score: 16.8097
Type of gen. func.: lgdogf

$$- \frac{6 x^2 + 6 x + 5}{(2 x + 1) (3 x^2 + 3 x - 1)}$$

Sequence: A085480
Score: 7.403
Type of gen. func.: ogf

$$-f(x) (3 f(x) x^2 + 3 f(x) x + 6 x^2 - f(x) + 3 x)$$

Sequence: A085480
Score: 7.44207
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) - 3 a(n), a(0) = 3, a(1) = 15\}$$

Sequence: A085481
Score: 2.0705
Type of gen. func.: ogf

$$(19 f(x) - 10) (3 f(x) x^2 + 3 f(x) x - f(x) + 1)$$

Sequence: A085481
Score: 5.20764
Type of gen. func.: ogf

$$-\frac{1}{3x^2+3x-1}$$

Sequence: A085481
Score: 6.73299
Type of gen. func.: lgdogf

$$-\frac{3(2x+1)}{3x^2+3x-1}$$

Sequence: A085482
Score: 3.14913
Type of gen. func.: ogf

$$-\frac{54(x+1)(x^6+246x^5+4047x^4+11572x^3+4047x^2+246x+1)}{(x-1)^9}$$

Sequence: A085487
Score: 15.3328
Type of gen. func.: ogf

$$-\frac{10x+1}{5x^2+x-1}$$

Sequence: A085487
Score: 17.7468
Type of gen. func.: revogf

$$\frac{-1-x+(21x^2+42x+1)^{1/2}}{10(x+2)}$$

Sequence: A085487
Score: 18.2139
Type of gen. func.: lgdogf

$$-\frac{50 x^2 + 10 x + 11}{(10 x + 1) (5 x^2 + x - 1)}$$

Sequence: A085487
Score: 7.92482
Type of gen. func.: ogf

$$(21 f(x) + 100) (5 f(x) x^2 + f(x) x - f(x) + 10 x + 1)$$

Sequence: A085487
Score: 8.49771
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - 5 a(n), a(0) = 1, a(1) = 11\}$$

Sequence: A085488
Score: 2.0995
Type of gen. func.: ogf

$$(170 f(x) - 339) (4 f(x) x^2 + f(x) x - f(x) - x + 2)$$

Sequence: A085488
Score: 4.15233
Type of gen. func.: ogf

$$\frac{-2 + x}{4 x^2 + x - 1}$$

Sequence: A085488
Score: 5.17715
Type of gen. func.: lgdogf

$$-\frac{4 x^2 - 16 x - 1}{(-2 + x) (4 x^2 + x - 1)}$$

Sequence: A085490
Score: 11.7673
Type of gen. func.: ogf

$$-\frac{x\,(x^2 - 6\,x - 1)}{(x - 1)^4}$$

Sequence: A085490
Score: 14.7460
Type of gen. func.: lgdogf

$$-\frac{2\,(x^2 - 8\,x - 5)}{(x - 1)\,(x^2 - 6\,x - 1)}$$

Sequence: A085490
Score: 4.52111
Type of gen. func.: ogf

$$\{(-n - 3)\,a(n + 4) - 5\,a(n + 3)\,n + (23 + 7\,n)\,a(n + 2) + (-n - 2)\,a(n + 1),$$

$$a(0) = 0,\ a(1) = 1,\ a(2) = 10,\ a(3) = 33\}$$

Sequence: A085490
Score: 5.88364
Type of gen. func.: ogf

$$-(87912\,f(x) + 316721)$$

$$(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 + x^3 - 4\,f(x)\,x - 6\,x^2 + f(x) - x)$$

Sequence: A085502
Score: 7.13255
Type of gen. func.: ogf

$$\frac{2\,x^4 + 325\,x^3 + 985\,x^2 + 287\,x + 1}{(x - 1)^6}$$

Sequence: A085502
Score: 8.76165
Type of gen. func.: lgdogf

$$-\frac{4 x^4 + 983 x^3 + 4915 x^2 + 3405 x + 293}{(x - 1) (2 x^4 + 325 x^3 + 985 x^2 + 287 x + 1)}$$

Sequence: A085504
Score: 12.0658
Type of gen. func.: ogf

$$-\frac{x (18 x^2 + 15 x + 1)}{9 x^2 + 3 x - 1}$$

Sequence: A085504
Score: 15.2685
Type of gen. func.: lgdogf

$$-\frac{9 (9 x^2 + 6 x + 2)}{(18 x^2 + 15 x + 1) (9 x^2 + 3 x - 1)}$$

Sequence: A085504
Score: 6.19029
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) - 9 a(n + 2), a(0) = 0, a(1) = 1, a(2) = 18, a(3) = 81}

Sequence: A085504
Score: 7.49352
Type of gen. func.: ogf

$$-f(x) (9 f(x) x^2 + 18 x^3 + 3 f(x) x + 15 x^2 - f(x) + x)$$

Sequence: A085537
Score: 24.8251
Type of gen. func.: lgdogf

$$-\frac{3(x+9)(x+1)}{(x-1)(x^2+7x+4)}$$

Sequence: A085537
Score: 3.98818
Type of gen. func.: ogf

$$\{(-515n^2-2558n-3056)a(n+1)+(-3933n^2-29642n-53325)a(n+2)$$
$$+(4448n^2+12348n+7900)a(n+3), a(0)=0, a(1)=0, a(2)=8\}$$

Sequence: A085537
Score: 9.10936
Type of gen. func.: ogf

$$-\frac{2x^2(x^2+7x+4)}{(x-1)^5}$$

Sequence: A085538
Score: 16.0554
Type of gen. func.: lgdogf

$$-\frac{3(x^3+25x^2+67x+27)}{(x-1)(x^3+18x^2+33x+8)}$$

Sequence: A085538
Score: 4.29031
Type of gen. func.: ogf

$$\{(19n^2+81n+86)a(n+1)+(-56n^2-272n-648)a(n+2)$$
$$+(37n^2+101n+64)a(n+3), a(0)=0, a(1)=0, a(2)=16\}$$

Sequence: A085538
Score: 7.41783
Type of gen. func.: ogf

$$\frac{2 x^2 (x^3 + 18 x^2 + 33 x + 8)}{(x - 1)^6}$$

Sequence: A085539
Score: 10.8942
Type of gen. func.: lgdogf

$$- \frac{3 (x^4 + 56 x^3 + 326 x^2 + 376 x + 81)}{(x - 1) (x^4 + 41 x^3 + 171 x^2 + 131 x + 16)}$$

Sequence: A085539
Score: 5.88615
Type of gen. func.: ogf

$$- \frac{2 x^2 (x^4 + 41 x^3 + 171 x^2 + 131 x + 16)}{(x - 1)^7}$$

Sequence: A085540
Score: 24.4127
Type of gen. func.: lgdogf

$$- \frac{3 (x + 9) (x + 1)}{(x - 1) (x^2 + 7 x + 4)}$$

Sequence: A085540
Score: 3.94009
Type of gen. func.: ogf

$\{(12 + 4 n) a(n + 4) + (-21 + 3 n) a(n + 3) + (-36 - 6 n) a(n + 2)$

$+ (-n - 3) a(n + 1), a(0) = 0, a(1) = 8, a(2) = 54, a(3) = 192\}$

Sequence: A085540
Score: 9.42807
Type of gen. func.: ogf

$$-\frac{2 x (x^2 + 7 x + 4)}{(x - 1)^5}$$

Sequence: A085577
Score: 6.46251
Type of gen. func.: ogf

$$\frac{x^{11} - 2 x^{10} + x^9 - x^6 + x^5 - x^3 - x^2 + x - 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A085583
Score: 10.4563
Type of gen. func.: lgdogf

$$-\frac{x^7 - x^6 + 3 x^5 + 5 x^4 + 8 x^3 + 2 x + 2}{(x - 1) (x + 1) (x^6 - 2 x^5 + x^4 + 3 x^3 - x^2 - x + 1)}$$

Sequence: A085583
Score: 6.47854
Type of gen. func.: ogf

$$-\frac{x^6 - 2 x^5 + x^4 + 3 x^3 - x^2 - x + 1}{(x + 1)^2 (x - 1)^5}$$

Sequence: A085584
Score: 4.85533
Type of gen. func.: ogf

(12 f(x) + 5)

$$(3 f(x) x^4 - 3 f(x) x^3 - f(x) x^2 + 2 x^3 + 3 f(x) x - x^2 - f(x) - x + 1)$$

Sequence: A085584
Score: 8.63726
Type of gen. func.: lgdogf

$$- \frac{6 x^6 - 6 x^5 - 4 x^4 + 6 x^3 + x^2 - 4 x + 2}{(3 x^4 - 3 x^3 - x^2 + 3 x - 1) (2 x^3 - x^2 - x + 1)}$$

Sequence: A085584
Score: 8.70177
Type of gen. func.: ogf

$$- \frac{2 x^3 - x^2 - x + 1}{3 x^4 - 3 x^3 - x^2 + 3 x - 1}$$

Sequence: A085601
Score: 5.02189
Type of gen. func.: ogf

$$-(135 f(x) + 1246)$$

$$(8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x + 20 x^2 - f(x) - 22 x + 5)$$

Sequence: A085601
Score: 5.37123
Type of gen. func.: ogf

$\{-a(n + 3) + 7 a(n + 2) - 14 a(n + 1) + 8 a(n), a(0) = 5, a(1) = 13, a(2) = 41\}$

Sequence: A085601
Score: 8.06866
Type of gen. func.: lgdogf

$$- \frac{160 x^4 - 352 x^3 + 288 x^2 - 100 x + 13}{}$$

$$(x - 1) (4 x - 1) (2 x - 1) (20 x^2 - 22 x + 5)$$

Sequence: A085601
Score: 9.65144
Type of gen. func.: ogf

$$- \frac{20 x^2 - 22 x + 5}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A085613
Score: 5.76420
Type of gen. func.: lgdogf

$$- \frac{30 x^8 + 60 x^7 - 137 x^6 - 10 x^5 + 91 x^4 - 8 x^3 - 19 x^2 - 2 x + 3}{(x - 1) (2 x - 1) (x + 1) (3 x^2 - 1) (5 x^4 + 5 x^3 - 9 x^2 - x + 2)}$$

Sequence: A085613
Score: 7.08953
Type of gen. func.: ogf

$$- \frac{5 x^4 + 5 x^3 - 9 x^2 - x + 2}{(x - 1) (2 x - 1) (x + 1) (3 x^2 - 1)}$$

Sequence: A085614
Score: 10.0535
Type of gen. func.: ogf

$$-1 + f(x) - 3 f(x)^2 x + 2 f(x)^3 x^2$$

Sequence: A085614
Score: 36.3232
Type of gen. func.: revogf

$$x (2 x - 1) (x - 1)$$

Sequence: A085614
Score: 4.23682
Type of gen. func.: ogf

$$\{(108 n^2 + 432 n + 420) a(n + 1) + (-n^2 - 7 n - 12) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 16\}$$

Sequence: A085615
Score: 2.03311
Type of gen. func.: ogf

$$-2 f(x) x^2 - f(x)^2 + 3 f(x) x + 2 f(x) - 3 x - 1$$

Sequence: A085622
Score: 10.5879
Type of gen. func.: lgdogf

$$\frac{4 (x^6 - 2 x^5 + 12 x^3 + 8 x^2 + 4 x + 1)}{(x - 1) (x + 1) (4 x^5 - 7 x^4 - 6 x^3 - 4 x^2 - 2 x - 1)}$$

Sequence: A085622
Score: 9.64802
Type of gen. func.: ogf

$$\frac{4 x^5 - 7 x^4 - 6 x^3 - 4 x^2 - 2 x - 1}{(x + 1) (x - 1)^3}$$

Sequence: A085624
Score: 10.7190
Type of gen. func.: ogf

$$-\frac{2 x^4 - 3 x^3 - x^2 - 2 x - 2}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A085636
Score: 7.38331
Type of gen. func.: ogf

$$\frac{6 x^{5} - 16 x^{4} + 91 x^{3} + 11 x^{2} + 3 x + 1}{(x - 1)^{4}}$$

Sequence: A085636
Score: 8.90632
Type of gen. func.: lgdogf

$$\frac{6 x^{5} - 30 x^{4} - 27 x^{3} - 295 x^{2} - 31 x - 7}{(x - 1) (6 x^{5} - 16 x^{4} + 91 x^{3} + 11 x^{2} + 3 x + 1)}$$

Sequence: A085640
Score: 3.9412
Type of gen. func.: ogf

$$-(2990 f(x) + 151)$$

$$(f(x) x^{4} - 4 f(x) x^{3} - 6 f(x) x^{2} + x^{3} - 4 f(x) x - 3 x^{2} + f(x) - 3 x - 1)$$

Sequence: A085640
Score: 6.95353
Type of gen. func.: lgdogf

$$- \frac{x^{6} - 6 x^{5} + 9 x^{4} + 28 x^{3} + 15 x^{2} + 18 x + 7}{(x^{3} - 3 x^{2} - 3 x - 1) (x^{4} - 4 x^{3} - 6 x^{2} - 4 x + 1)}$$

Sequence: A085640
Score: 7.47291
Type of gen. func.: ogf

$$- \frac{x^{3} - 3 x^{2} - 3 x - 1}{{}^{4} \qquad {}^{3} \qquad {}^{2}}$$

$$x - 4 x - 6 x - 4 x + 1$$

Sequence: A085644
Score: 20.1255
Type of gen. func.: lgdegf]

$$\frac{4 x^{2} - 5}{(2 x - 1) (2 x + 1)}$$

Sequence: A085680
Score: 6.59561
Type of gen. func.: ogf

$$- \frac{x^{11} - x^{10} + x^{2} - x + 1}{(x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{3}}$$

Sequence: A085687
Score: 11.8927
Type of gen. func.: ogf

$$-8 x^{3} f(x)^{2} - 6 f(x) x + f(x) - 1$$

Sequence: A085687
Score: 20.2736
Type of gen. func.: lgdogf

$$\frac{12}{(1 - 8 x)^{1/2} (1 + (1 - 8 x)^{1/2})}$$

Sequence: A085687
Score: 29.9696
Type of gen. func.: revogf

$$\frac{8 x}{(1 + (8 x + 1)^{1/2})^{3}}$$

Sequence: A085687
Score: 5.70460
Type of gen. func.: ogf

$$\{(-8 n^2 - 44 n - 60) a(n + 1) + (n^2 + 7 n + 10) a(n + 2), a(0) = 1, a(1) = 6\}$$

Sequence: A085688
Score: 10.1338
Type of gen. func.: ogf

$$-\frac{11 x^5 + 15 x^4 + 21 x^3 - 6 x^2 - 8 x - 11}{(x - 1) (2 x^3 - 1) (x^2 + x + 1)}$$

Sequence: A085689
Score: 11.0394
Type of gen. func.: ogf

$$(39 f(x) - 68) (3 f(x) x^3 + 4 x^2 - f(x) + 2 x + 4)$$

Sequence: A085689
Score: 11.1846
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n), a(0) = 4, a(1) = 2, a(2) = 4\}$$

Sequence: A085689
Score: 17.0405
Type of gen. func.: lgdogf

$$-\frac{6 x^4 + 6 x^3 + 18 x^2 + 4 x + 1}{(2 x^2 + x + 2) (3 x^3 - 1)}$$

Sequence: A085689
Score: 17.3476

Type of gen. func.: ogf

$$-\frac{2\,(2\,x^{2}+x+2)}{3\,x^{3}-1}$$

Sequence: A085695
Score: 4.24455
Type of gen. func.: ogf

$$-(12375\,f(x)-3142)$$

$$(f(x)\,x^{4}-4\,f(x)\,x^{3}-19\,f(x)\,x^{2}+x^{3}-4\,f(x)\,x+f(x)-x)$$

Sequence: A085695
Score: 8.29521
Type of gen. func.: lgdogf

$$-\frac{2\,(x^{5}-2\,x^{4}-2\,x^{3}+8\,x^{2}+18\,x+2)}{(x-1)\,(x+1)\,(x^{2}+3\,x+1)\,(x^{2}-7\,x+1)}$$

Sequence: A085695
Score: 8.81065
Type of gen. func.: ogf

$$-\frac{x\,(x-1)\,(x+1)}{(x^{2}+3\,x+1)\,(x^{2}-7\,x+1)}$$

Sequence: A085696
Score: 5.239
Type of gen. func.: ogf

$$-(975\,f(x)+493)$$

$$(f(x)\,x^{4}+3\,f(x)\,x^{3}-6\,f(x)\,x^{2}-x^{3}-3\,f(x)\,x-6\,x^{2}+f(x)+3\,x-3)$$

Sequence: A085696

Score: 7.54214
Type of gen. func.: lgdogf

$$-\frac{x^6+12x^5+15x^4+60x^2-48x-6}{(x^2+4x-1)(x^2-x-1)(x^3+6x^2-3x+3)}$$

Sequence: A085696
Score: 9.86566
Type of gen. func.: ogf

$$\frac{x^3+6x^2-3x+3}{(x^2+4x-1)(x^2-x-1)}$$

Sequence: A085697
Score: 7.24022
Type of gen. func.: lgdogf

$$-\frac{3x^8+4x^7+6x^6-4x^5-12x^3+14x^2+4x+1}{(x^3+x^2+x-1)(x^3+x^2+3x-1)(x^3-x^2-x-1)}$$

Sequence: A085697
Score: 7.81944
Type of gen. func.: ogf

$$-\frac{x^3+x^2+x-1}{(x^3+x^2+3x-1)(x^3-x^2-x-1)}$$

Sequence: A085708
Score: 10.6745
Type of gen. func.: ogf

$$\frac{7x}{(10x-1)^2}$$

Sequence: A085708
Score: 15.5060
Type of gen. func.: revogf

$$\frac{28 x}{(7 + (280 x + 49)^{1/2})^{2}}$$

Sequence: A085708
Score: 34.8884
Type of gen. func.: lgdogf

$$-\frac{20}{10 x - 1}$$

Sequence: A085708
Score: 5.08308
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1) + 100 a(n), a(0) = 0, a(1) = 7\}$$

Sequence: A085708
Score: 6.88675
Type of gen. func.: ogf

$$-100 f(x) x^{2} + 20 f(x) x - f(x) + 7 x$$

Sequence: A085717
Score: 11.8825
Type of gen. func.: ogf

$$-\frac{x^{3} - x + 1}{(x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{3}}$$

Sequence: A085717
Score: 12.1394
Type of gen. func.: lgdogf

$$-\frac{4 x^{7} + 2 x^{6} - 4 x^{5} + 7 x^{4} + 2 x^{3} + 3 x^{2} + 1}{(x - 1) (x^{3} - x + 1) (x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A085740
Score: 3.81566
Type of gen. func.: ogf

$$\{(131 n^{2} + 545 n + 566) a(n + 1) + (-744 n^{2} - 4291 n - 6507) a(n + 2) + (613 n^{2} + 1818 n + 1205) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 5\}$$

Sequence: A085740
Score: 8.50849
Type of gen. func.: ogf

$$\frac{x^{2} (x^{2} - 2 x - 5)}{(x - 1)^{5}}$$

Sequence: A085742
Score: 12.4649
Type of gen. func.: lgdogf

$$-\frac{4 (9 x^{3} + 73 x^{2} + 97 x + 31)}{(x - 1) (9 x^{3} + 53 x^{2} + 47 x + 11)}$$

Sequence: A085742
Score: 3.48599
Type of gen. func.: ogf

$$\{(721 n^{2} + 4048 n + 5655) a(n + 1) + (-362 n^{2} + 3352 n + 6324) a(n + 2) + (-359 n^{2} - 920 n - 561) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 33\}$$

Sequence: A085742
Score: 5.71234
Type of gen. func.: ogf

$$-\frac{3 x^2 (9 x^3 + 53 x^2 + 47 x + 11)}{(x - 1)^7}$$

Sequence: A085743
Score: 5.35251
Type of gen. func.: ogf

$$\frac{x^2 (x^4 - 25 x^3 - 159 x^2 - 151 x - 26)}{(x - 1)^7}$$

Sequence: A085743
Score: 9.61578
Type of gen. func.: lgdogf

$$-\frac{3 (x^4 - 32 x^3 - 290 x^2 - 408 x - 111)}{(x - 1) (x^4 - 25 x^3 - 159 x^2 - 151 x - 26)}$$

Sequence: A085744
Score: 5.35251
Type of gen. func.: ogf

$$-\frac{x^2 (x^4 + 29 x^3 + 147 x^2 + 155 x + 28)}{(x - 1)^7}$$

Sequence: A085744
Score: 9.75514
Type of gen. func.: lgdogf

$$-\frac{3 (x^4 + 40 x^3 + 274 x^2 + 408 x + 117)}{(x - 1) (x^4 + 29 x^3 + 147 x^2 + 155 x + 28)}$$

Sequence: A085750
Score: 12.4555
Type of gen. func.: ogf

$$4 f(x) x^2 + 4 f(x) x + f(x) + x$$

Sequence: A085750
Score: 22.2689
Type of gen. func.: ogf

$$-\frac{x}{(2 x + 1)^2}$$

Sequence: A085750
Score: 32.3367
Type of gen. func.: revogf

$$-\frac{4 x}{(1 + (8 x + 1)^{1/2})^2}$$

Sequence: A085750
Score: 77.6082
Type of gen. func.: lgdogf

$$-\frac{4}{2 x + 1}$$

Sequence: A085750
Score: 9.07252
Type of gen. func.: ogf

$$\{-a(n + 2) - 4 a(n + 1) - 4 a(n), a(0) = 0, a(1) = -1\}$$

Sequence: A085754
Score: 5.16093
Type of gen. func.: ogf

$$-\left(35631 x^{8} + 14841 x^{7} + 10440 x^{6} + 21700 x^{5} + 21500 x^{4} + 3194 x^{3} + 2385 x^{2} + 2150 x + 215\right) \Big/ \left(10 x^{5} - 1\right)$$

Sequence: A085781
Score: 3.84813
Type of gen. func.: ogf

$$16 f(x)^{2} x^{4} - 20 x^{3} f(x)^{2} + 8 f(x)^{2} x^{2} + 16 f(x) x^{3} - f(x)^{2} x - 28 f(x) x^{2} + 14 f(x) x + 4 x^{2} - 2 f(x) - 5 x + 2$$

Sequence: A085786
Score: 11.1201
Type of gen. func.: ogf

$$\frac{(x + 2) (x + 1)}{(x - 1)^{4}}$$

Sequence: A085786
Score: 22.1333
Type of gen. func.: lgdogf

$$-\frac{2 x^{2} + 11 x + 11}{(x - 1) (x + 2) (x + 1)}$$

Sequence: A085786
Score: 3.83644
Type of gen. func.: ogf

$$\{(2 n + 8) a(n + 4) + (-8 + n) a(n + 3) + (-15 - 2 n) a(n + 2) + (-n - 3) a(n + 1), a(0) = 2, a(1) = 11, a(2) = 33, a(3) = 74\}$$

Sequence: A085786
Score: 5.44175

Type of gen. func.: ogf

$$(2846880 f(x) + 8653663) \over (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - x^2 + f(x) - 3 x - 2)$$

Sequence: A085787
Score: 10.2933
Type of gen. func.: ogf

$$-\frac{x (x^2 + 3 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A085787
Score: 17.8663
Type of gen. func.: lgdogf

$$-\frac{3 x^3 + 13 x^2 + 10 x + 4}{(x - 1) (x + 1) (x^2 + 3 x + 1)}$$

Sequence: A085788
Score: 13.4541
Type of gen. func.: ogf

$$\frac{3 (x + 2)}{(x - 1)^4}$$

Sequence: A085788
Score: 38.3736
Type of gen. func.: lgdogf

$$-\frac{3 (3 + x)}{(x + 2) (x - 1)}$$

Sequence: A085788
Score: 5.36405

Type of gen. func.: ogf

$$\{(-2 n - 6) a(n + 3) + (11 + n) a(n + 2) + (n + 4) a(n + 1), a(0) = 6,$$
$$a(1) = 27, a(2) = 72\}$$

Sequence: A085788
Score: 6.41171
Type of gen. func.: ogf

$$(5661 f(x) + 39110)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + f(x) - 3 x - 6)$$

Sequence: A085789
Score: 13.3932
Type of gen. func.: ogf

$$\frac{3 (2 x + 1)}{(x - 1)^4}$$

Sequence: A085789
Score: 5.37490
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-4 + n) a(n + 2) + (-8 - 2 n) a(n + 1), a(0) = 3,$$
$$a(1) = 18, a(2) = 54\}$$

Sequence: A085789
Score: 6.3827
Type of gen. func.: ogf

$$(4383 f(x) + 26449)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + f(x) - 6 x - 3)$$

Sequence: A085799
Score: 19.8229
Type of gen. func.: lgdegf]

$$-\frac{20 (x + 2)}{(3 + 2 x) (4 x + 1)}$$

Sequence: A085799
Score: 4.34391
Type of gen. func.: ogf

$$\{(-8 n^2 - 36 n - 40) a(n + 1) + (12 n^2 + 88 n + 156) a(n + 2) + (6 + 3 n) a(n + 3), a(0) = 0, a(1) = -9, a(2) = 240\}$$

Sequence: A085801
Score: 6.20331
Type of gen. func.: ogf

$$\frac{2 x^{12} - x^{11} + 2 x^{10} + 2 x^9 + x^8 - x^7 + 3 x^6 - x^5 + 3 x^4 + x^3 + 1}{(x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A085810
Score: 16.1981
Type of gen. func.: ogf

$$-\frac{2 x - 1}{x^3 + 3 x^2 - 4 x + 1}$$

Sequence: A085810
Score: 18.3644
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 3 x^2 - 6 x + 2}{(2 x - 1) (x^3 + 3 x^2 - 4 x + 1)}$$

Sequence: A085810
Score: 7.66516
Type of gen. func.: ogf

$\{a(n + 3) - 4 a(n + 2) + 3 a(n + 1) + a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$

Sequence: A085810
Score: 7.94904
Type of gen. func.: ogf

$$-(10 f(x) - 3) (f(x) x^3 + 3 f(x) x^2 - 4 f(x) x + f(x) + 2 x - 1)$$

Sequence: A085811
Score: 28.3399
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x}{x - 1}$$

Sequence: A085820
Score: 5.70100
Type of gen. func.: ogf

$$\frac{x^4 + 2 x^3 + 4 x^2 + 2 x + 1}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A085891
Score: 10.4848
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^4 + x^3 + 5 x^2 + 2 x + 1)}{(x - 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A085891
Score: 16.5227
Type of gen. func.: ogf_with_Euler_transform]

$$-x^3 + 2 x^2 + x + 2$$

Sequence: A085891
Score: 5.66264
Type of gen. func.: ogf

$$\frac{x^2 + 1}{(x^2 + x + 1)^2 (x - 1)^4}$$

Sequence: A085899
Score: 7.74168
Type of gen. func.: ogf

$$\frac{x^{17} - x^{16} + x^8 - x^7 + x^5 + 2 x^2 + x + 4}{(x - 1)^2}$$

Sequence: A085903
Score: 10.4605
Type of gen. func.: ogf

$$\frac{2 x^2 + 1}{(x + 1) (2 x - 1) (2 x^2 - 1)}$$

Sequence: A085903
Score: 5.11225
Type of gen. func.: ogf

$$-(153 f(x) + 158)$$

$$(4 f(x) x^4 + 2 f(x) x^3 - 4 f(x) x^2 - f(x) x - 2 x^2 + f(x) - 1)$$

Sequence: A085903
Score: 9.38301
Type of gen. func.: lgdogf

$$-\frac{16 x^5 + 4 x^4 + 16 x^3 + 8 x^2 - 12 x - 1}{(2 x - 1) (x + 1) (2 x^2 - 1) (2 x^2 + 1)}$$

Sequence: A085913
Score: 10.2433
Type of gen. func.: ogf

$$\frac{x^5 - 2x^4 - x^3 + x^2 - 1}{(x + 1)(x - 1)^3}$$

Sequence: A085913
Score: 13.3402
Type of gen. func.: lgdogf

$$\frac{x^6 - 2x^5 + 8x^3 + x^2 + 2x + 2}{(x - 1)(x + 1)(x^5 - 2x^4 - x^3 + x^2 - 1)}$$

Sequence: A085939
Score: 13.9061
Type of gen. func.: ogf

$$-\frac{x}{6x^2 + 4x - 1}$$

Sequence: A085939
Score: 14.0386
Type of gen. func.: revogf

$$\frac{-1 - 4x + (40x^2 + 8x + 1)^{1/2}}{12x}$$

Sequence: A085939
Score: 21.0579
Type of gen. func.: lgdogf

$$-\frac{4(3x + 1)}{{}^{2}}$$

$$6 x + 4 x - 1$$

Sequence: A085939
Score: 6.35215
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 6 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A085939
Score: 8.72075
Type of gen. func.: ogf

$$-6 f(x) x^2 - 4 f(x) x + f(x) - x$$

Sequence: A085952
Score: 10.8678
Type of gen. func.: lgdogf

$$-\frac{190 x^2 - 200 x + 91}{(x - 1) (10 x - 1) (90 x^2 - 80 x - 1)}$$

Sequence: A085952
Score: 5.18646
Type of gen. func.: ogf

$$\{a(n + 3) - 11 a(n + 2) + 10 a(n + 1), a(0) = 1, a(1) = 91, a(2) = 901\}$$

Sequence: A085952
Score: 5.23539
Type of gen. func.: ogf

$$-(801 f(x) + 7480) (10 f(x) x^2 - 11 f(x) x + 90 x^2 + f(x) - 80 x - 1)$$

Sequence: A085952
Score: 9.73598
Type of gen. func.: ogf

$$-\frac{90 x^2 - 80 x - 1}{(x - 1) (10 x - 1)}$$

Sequence: A085959
Score: 100.167
Type of gen. func.: lgdogf

$$-\frac{2}{x - 1}$$

Sequence: A085959
Score: 13.5492
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 37 x$$

Sequence: A085959
Score: 21.3935
Type of gen. func.: ogf

$$\frac{37 x}{(x - 1)^2}$$

Sequence: A085959
Score: 25.8496
Type of gen. func.: revogf

$$\frac{148 x}{(37 + (1369 + 148 x)^{1/2})^2}$$

Sequence: A085959
Score: 9.91405
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 37\}$$

Sequence: A085960
Score: 7.39336
Type of gen. func.: lgdogf

$$\frac{2 (5 x^8 - 20 x^7 + 30 x^6 - 20 x^5 + 6 x^4 - 4 x^3 + 6 x^2 - 5 x - 1)}{(x - 1) (2 x^8 - 6 x^7 + 6 x^6 - 2 x^5 + 2 x^4 - 6 x^3 + 6 x^2 - x + 1)}$$

Sequence: A085960
Score: 7.53692
Type of gen. func.: ogf

$$- \frac{2 x^8 - 6 x^7 + 6 x^6 - 2 x^5 + 2 x^4 - 6 x^3 + 6 x^2 - x + 1}{(x - 1)^3}$$

Sequence: A085990
Score: 6.77012
Type of gen. func.: ogf

$$\{(-4 n^2 - 10 n - 6) a(n) + a(n + 1), a(0) = 0, a(1) = 3\}$$

Sequence: A086007
Score: 5.39580
Type of gen. func.: ogf

$$- \frac{x^{32} (x + 1) (x^{16} + x^6 + x^4 + x^2 + 1)}{x^{52} + x^{18} - x^{16} + x^8 - 1}$$

Sequence: A086020
Score: 13.8251
Type of gen. func.: lgdogf

$$- \frac{5 x^3 + 57 x^2 + 81 x + 17}{(x - 1) (x + 1) (x^2 + 8 x + 1)}$$

Sequence: A086020
Score: 3.66358
Type of gen. func.: ogf

$$\{(n^2 + 12 n + 36) a(n + 1) + (-2 n^2 - 18 n - 45) a(n + 2) + (n^2 + 6 n + 9) a(n + 3), a(0) = 1, a(1) = 17, a(2) = 117\}$$

Sequence: A086020
Score: 5.81674
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 8 x + 1)}{(x - 1)^8}$$

Sequence: A086021
Score: 4.25511
Type of gen. func.: ogf

$$- \frac{x^6 + 54 x^5 + 405 x^4 + 760 x^3 + 405 x^2 + 54 x + 1}{(x - 1)^{11}}$$

Sequence: A086023
Score: 11.0257
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^4 + 58 x^3 + 168 x^2 + 108 x + 13)}{(x - 1) (x^4 + 16 x^3 + 36 x^2 + 16 x + 1)}$$

Sequence: A086023
Score: 4.21588
Type of gen. func.: ogf

$$\{(n^2 + 14 n + 49) a(n + 1) + (-2 n^2 - 20 n - 58) a(n + 2)$$

$$+ (n^2 + 6 n + 9) a(n + 3), a(0) = 1, a(1) = 26, a(2) = 251\}$$

Sequence: A086023
Score: 5.05347
Type of gen. func.: ogf

$$\frac{x^4 + 16 x^3 + 36 x^2 + 16 x + 1}{(x - 1)^{10}}$$

Sequence: A086024
Score: 3.48550
Type of gen. func.: ogf

$$\{(n^3 + 21 n^2 + 147 n + 343) a(n + 1) + (-2 n^3 - 30 n^2 - 174 n - 370) a(n + 2)$$

$$+ (n^3 + 9 n^2 + 27 n + 27) a(n + 3), a(0) = 1, a(1) = 126, a(2) = 3501\}$$

Sequence: A086025
Score: 4.07262
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + 24 x^3 + 76 x^2 + 24 x + 1)}{(x - 1)^{12}}$$

Sequence: A086025
Score: 4.14013
Type of gen. func.: ogf

$$\{(n^2 + 16 n + 64) a(n + 1) + (-2 n^2 - 22 n - 73) a(n + 2)$$

$$+ (n^2 + 6 n + 9) a(n + 3), a(0) = 1, a(1) = 37, a(2) = 478\}$$

Sequence: A086025
Score: 8.97964
Type of gen. func.: lgdogf

$$-\frac{7x^5 + 205x^4 + 1000x^3 + 1300x^2 + 475x + 37}{(x-1)(x+1)(x^4 + 24x^3 + 76x^2 + 24x + 1)}$$

Sequence: A086026
Score: 3.35605
Type of gen. func.: ogf

$$\{(n^3 + 24n^2 + 192n + 512)\,a(n+1) + (-2n^3 - 33n^2 - 219n - 539)\,a(n+2)$$
$$+ (n^3 + 9n^2 + 27n + 27)\,a(n+3),\ a(0) = 1,\ a(1) = 217,\ a(2) = 9478\}$$

Sequence: A086027
Score: 4.26813
Type of gen. func.: ogf

$$\{(n^2 + 18n + 81)\,a(n+1) + (-2n^2 - 24n - 90)\,a(n+2)$$
$$+ (n^2 + 6n + 9)\,a(n+3),\ a(0) = 1,\ a(1) = 50,\ a(2) = 834\}$$

Sequence: A086027
Score: 7.30438
Type of gen. func.: lgdogf

$$-\frac{2(4x^6 + 165x^5 + 1215x^4 + 2650x^3 + 1950x^2 + 459x + 25)}{(x-1)(x^6 + 36x^5 + 225x^4 + 400x^3 + 225x^2 + 36x + 1)}$$

Sequence: A086028
Score: 3.32859
Type of gen. func.: ogf

$$\{(n^3 + 27n^2 + 243n + 729)\,a(n+1) + (-2n^3 - 36n^2 - 270n - 756)\,a(n+2)$$
$$+ (n^3 + 9n^2 + 27n + 27)\,a(n+3),\ a(0) = 1,\ a(1) = 344,\ a(2) = 22296\}$$

Sequence: A086029
Score: 3.93640
Type of gen. func.: ogf

$$\{(-n^2 - 20 n - 100) a(n + 1) + (2 n^2 + 26 n + 109) a(n + 2) + (-n^2 - 6 n - 9) a(n + 3), a(0) = 1, a(1) = 65, a(2) = 1361\}$$

Sequence: A086030
Score: 3.26860
Type of gen. func.: ogf

$$\{(n^3 + 30 n^2 + 300 n + 1000) a(n + 1) + (-2 n^3 - 39 n^2 - 327 n - 1027) a(n + 2) + (n^3 + 9 n^2 + 27 n + 27) a(n + 3), a(0) = 1, a(1) = 513, a(2) = 47169\}$$

Sequence: A086090
Score: 11.1232
Type of gen. func.: lgdogf

$$- \frac{18 x^3 - 30 x^2 + 21 x - 5}{(3 x - 1) (2 x - 1) (3 x^2 - 3 x + 1)}$$

Sequence: A086090
Score: 5.28762
Type of gen. func.: ogf

$$(199 f(x) + 35) (18 f(x) x^3 - 21 f(x) x^2 + 8 f(x) x + 3 x^2 - f(x) - 3 x + 1)$$

Sequence: A086090
Score: 5.33360
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 21 a(n + 1) - 18 a(n), a(0) = 1, a(1) = 5, a(2) = 22\}$$

Sequence: A086090
Score: 9.73594

Type of gen. func.: ogf

$$-\frac{3 x^2 - 3 x + 1}{(2 x - 1) (3 x - 1)^2}$$

Sequence: A086091
Score: 10.1950
Type of gen. func.: lgdogf

$$-\frac{3 (28 x^3 - 33 x^2 + 14 x - 2)}{(3 x - 1) (-1 + 4 x) (7 x^2 - 5 x + 1)}$$

Sequence: A086091
Score: 5.07248
Type of gen. func.: ogf

$$(200 f(x) + 73) (48 f(x) x^3 - 40 f(x) x^2 + 11 f(x) x + 7 x^2 - f(x) - 5 x + 1)$$

Sequence: A086091
Score: 5.11621
Type of gen. func.: ogf

{a(n + 3) - 11 a(n + 2) + 40 a(n + 1) - 48 a(n), a(0) = 1, a(1) = 6, a(2) = 33}

Sequence: A086091
Score: 9.27312
Type of gen. func.: ogf

$$-\frac{7 x^2 - 5 x + 1}{(3 x - 1) (-1 + 4 x)^2}$$

Sequence: A086092
Score: 10.1309
Type of gen. func.: lgdogf

$$-\frac{260 x^3 - 228 x^2 + 69 x - 7}{(-1 + 4 x) (5 x - 1) (13 x^2 - 7 x + 1)}$$

Sequence: A086092
Score: 4.91616
Type of gen. func.: ogf

$$(4265 f(x) + 2307)$$

$$(100 f(x) x^3 - 65 f(x) x^2 + 14 f(x) x + 13 x^2 - f(x) - 7 x + 1)$$

Sequence: A086092
Score: 5.12624
Type of gen. func.: ogf

{a(n + 3) - 14 a(n + 2) + 65 a(n + 1) - 100 a(n), a(0) = 1, a(1) = 7, a(2) = 46

}

Sequence: A086092
Score: 9.08742
Type of gen. func.: ogf

$$-\frac{13 x^2 - 7 x + 1}{(-1 + 4 x) (5 x - 1)^2}$$

Sequence: A086093
Score: 5.08956
Type of gen. func.: ogf

{a(n + 3) - 11 a(n + 2) + 40 a(n + 1) - 48 a(n), a(0) = 1, a(1) = 5, a(2) = 25}

Sequence: A086093
Score: 6.38455
Type of gen. func.: ogf

$$-(52 f(x) + 23) (48 f(x) x^3 - 40 f(x) x^2 + 11 f(x) x + 10 x^2 - f(x) - 6 x + 1)$$

Sequence: A086093
Score: 9.08291
Type of gen. func.: ogf

$$-\frac{10 x^2 - 6 x + 1}{(3 x - 1) (-1 + 4 x)^2}$$

Sequence: A086093
Score: 9.96594
Type of gen. func.: lgdogf

$$-\frac{120 x^3 - 114 x^2 + 40 x - 5}{(-1 + 4 x) (3 x - 1) (10 x^2 - 6 x + 1)}$$

Sequence: A086105
Score: 5.33928
Type of gen. func.: ogf

$$-(f(x) x - f(x) + x)^3$$

Sequence: A086111
Score: 8.30745
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^9 - 5 x^8 + x^7 - 16 x^6 + 3 x^5 - 18 x^4 - 5 x^3 - 8 x^2 - x - 1)}{(x - 1) (x + 1) (x^2 + 1) (x^6 - 2 x^5 - 4 x^3 - 2 x - 1)}$$

Sequence: A086111
Score: 8.34878
Type of gen. func.: ogf

$$\frac{x (x^6 - 2 x^5 - 4 x^3 - 2 x - 1)}{(x^2 + 1)^2 (x - 1)^3 (x + 1)^3}$$

Sequence: A086112
Score: 10.2279
Type of gen. func.: ogf

$$-\frac{x^5 - x^4 + x^3 - 2 x^2 - 2 x - 1}{(x^2 + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A086112
Score: 9.39585
Type of gen. func.: lgdogf

$$-\frac{x^8 - 2 x^7 + 5 x^6 - 10 x^5 - 3 x^4 - 14 x^3 - x^2 - 6 x - 2}{(x - 1) (x + 1) (x^2 + 1) (x^5 - x^4 + x^3 - 2 x^2 - 2 x - 1)}$$

Sequence: A086113
Score: 10.8088
Type of gen. func.: ogf

$$-\frac{6 (x^2 - 2 x - 1)}{(x - 1)^4}$$

Sequence: A086113
Score: 23.1896
Type of gen. func.: lgdogf

$$-\frac{2 (x + 1) (x - 3)}{(x - 1) (x^2 - 2 x - 1)}$$

Sequence: A086113
Score: 3.74564
Type of gen. func.: ogf

{(-n - 4) a(n + 4) + (3 - n) a(n + 3) + (10 + 3 n) a(n + 2) + (-n - 3) a(n + 1)

$, a(0) = 6, a(1) = 36, a(2) = 102, a(3) = 216\}$

Sequence: A086113
Score: 5.60458
Type of gen. func.: ogf

$(130 f(x) + 3327)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + 6 x^2 + f(x) - 12 x - 6)$$

Sequence: A086114
Score: 16.3495
Type of gen. func.: lgdogf

$$- \frac{2 (x^3 - 3 x^2 + 3 x + 4)}{(x - 1) (x^3 - 3 x^2 + 3 x + 1)}$$

Sequence: A086114
Score: 4.07491
Type of gen. func.: ogf

$$\{(-n^2 - 9 n - 18) a(n + 1) + (2 n^2 + 14 n + 20) a(n + 2)$$

$$+ (-n^2 - 5 n - 6) a(n + 3), a(0) = 8, a(1) = 64, a(2) = 216\}$$

Sequence: A086114
Score: 8.24138
Type of gen. func.: ogf

$$- \frac{8 (x^3 - 3 x^2 + 3 x + 1)}{(x - 1)^5}$$

Sequence: A086115
Score: 11.6954
Type of gen. func.: lgdogf

4   3   2

$$-\frac{2 (x - 4 x + 6 x - 4 x - 5)}{(x - 1) (x^4 - 4 x^3 + 6 x^2 - 4 x - 1)}$$

Sequence: A086115
Score: 3.71716
Type of gen. func.: ogf

$$\{(-n^2 - 10 n - 21) a(n + 1) + (2 n^2 + 15 n + 22) a(n + 2)$$
$$+ (-n^2 - 5 n - 6) a(n + 3), a(0) = 10, a(1) = 100, a(2) = 390\}$$

Sequence: A086115
Score: 6.24073
Type of gen. func.: ogf

$$-\frac{10 (x^4 - 4 x^3 + 6 x^2 - 4 x - 1)}{(x - 1)^6}$$

Sequence: A086159
Score: 10.9632
Type of gen. func.: lgdogf

$$-\frac{10 x^5 + x^4 + x^3 + 4 x^2 + x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A086159
Score: 23.1430
Type of gen. func.: ogf_with_Euler_transform]

$$x^5 + x^2 + 1$$

Sequence: A086159
Score: 9.10855
Type of gen. func.: ogf

$$-\frac{1}{(x+1)(x^2-x+1)(x^2+x+1)^2(x-1)^3}$$

Sequence: A086161
Score: 10.1191
Type of gen. func.: ogf

$$-\frac{x^3-x^2-1}{(x^2+x+1)(x-1)^2}$$

Sequence: A086161
Score: 12.3326
Type of gen. func.: lgdogf

$$-\frac{x^5-x^4-2x^2-3x-1}{(x-1)(x^2+x+1)(x^3-x^2-1)}$$

Sequence: A086161
Score: 7.4479
Type of gen. func.: ogf

$$(f(x)+3)(f(x)x^4-f(x)x^3+x^3-f(x)x-x^2+f(x)-1)$$

Sequence: A086162
Score: 5.53434
Type of gen. func.: ogf

$$-\frac{(x^3-x^2-1)(x^6-x^3-1)}{(x+1)(x^2-x+1)(x^2+x+1)^2(x-1)^3}$$

Sequence: A086162
Score: 5.78085
Type of gen. func.: lgdogf

$$-\frac{x^{14} - x^{13} - 5 x^{11} - x^{9} + x^{8} + 2 x^{7} + 10 x^{4} + 2 x^{3} + 5 x^{2} + 3 x + 1}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{6} - x^{3} - 1) (x^{3} - x^{2} - 1)}$$

Sequence: A086192
Score: 11.6932
Type of gen. func.: ogf

$$-\frac{4 x^{2} + 3 x + 1}{x^{3} + x^{2} + x - 1}$$

Sequence: A086192
Score: 12.9500
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^{4} + 3 x^{3} + x^{2} + 5 x + 2)}{(4 x^{2} + 3 x + 1) (x^{3} + x^{2} + x - 1)}$$

Sequence: A086192
Score: 5.89494
Type of gen. func.: ogf

$$-(1676 f(x) + 2849) (f(x) x^{3} + f(x) x^{2} + f(x) x + 4 x^{2} - f(x) + 3 x + 1)$$

Sequence: A086192
Score: 6.36864
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) + a(n), a(0) = 1, a(1) = 4, a(2) = 9\}$$

Sequence: A086213
Score: 11.5711
Type of gen. func.: ogf

$$-\frac{18 x^{2} + 7 x + 1}{}$$

$$x^{3} + x^{2} + x - 1$$

Sequence: A086213
Score: 5.64888
Type of gen. func.: ogf

$$-(351872 f(x) + 3604339) (f(x) x^{3} + f(x) x^{2} + f(x) x + 18 x^{2} - f(x) + 7 x + 1)$$

Sequence: A086213
Score: 6.34874
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) + a(n), a(0) = 1, a(1) = 8, a(2) = 27\}$$

Sequence: A086219
Score: 2.36657
Type of gen. func.: ogf

$$-f(x) (2 f(x) x^{2} - 3 f(x) x + x^{2} + f(x) - 2 x)$$

Sequence: A086219
Score: 4.10527
Type of gen. func.: ogf

$$-\frac{x (x - 2)}{(2 x - 1) (x - 1)}$$

Sequence: A086219
Score: 5.50452
Type of gen. func.: lgdogf

$$-\frac{2 x^{2} - 8 x + 5}{(x - 1) (x - 2) (2 x - 1)}$$

Sequence: A086221
Score: 13.3507

Type of gen. func.: ogf

$$-\frac{20 x - 13}{(-1 + 4 x) (2 x - 1)}$$

Sequence: A086221
Score: 13.3721
Type of gen. func.: lgdogf

$$-\frac{2 (80 x^2 - 104 x + 29)}{(-1 + 4 x) (2 x - 1) (20 x - 13)}$$

Sequence: A086221
Score: 13.6693
Type of gen. func.: revogf

$$-\frac{-13 - 6 x + (4 x^2 + 76 x + 169)^{1/2}}{8 (5 + 2 x)}$$

Sequence: A086221
Score: 6.97202
Type of gen. func.: ogf

$$(35 f(x) + 386) (8 f(x) x^2 - 6 f(x) x + f(x) + 20 x - 13)$$

Sequence: A086221
Score: 7.47001
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 8 a(n), a(0) = 13, a(1) = 58\}$$

Sequence: A086223
Score: 4.35946
Type of gen. func.: ogf

$$-(62276579225 f(x) + 386134911481)$$

$$(35 x^4 + 10 f(x) x^2 - 46 x^3 - 11 f(x) x + 8 x^2 + f(x) - x)$$

Sequence: A086223
Score: 4.49359
Type of gen. func.: ogf

{-a(n + 5) + 11 a(n + 4) - 10 a(n + 3), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 69,

a(4) = 694}

Sequence: A086223
Score: 8.21686
Type of gen. func.: lgdogf

$$\frac{350 x^4 - 770 x^3 + 531 x^2 - 72 x - 3}{(x - 1) (10 x - 1) (35 x^3 - 46 x^2 + 8 x - 1)}$$

Sequence: A086223
Score: 8.46619
Type of gen. func.: ogf

$$-\frac{x (35 x^3 - 46 x^2 + 8 x - 1)}{(x - 1) (10 x - 1)}$$

Sequence: A086224
Score: 11.5295
Type of gen. func.: revegf]

$$1/2 \ln(5 + 2 x) + \operatorname{arctanh}((14 x + 36)^{1/2}) - 1/2 \ln(5) - \operatorname{arctanh}(6)$$

Sequence: A086224
Score: 15.4188
Type of gen. func.: ogf

$$-\frac{5 x - 6}{(2 x - 1) (x - 1)}$$

Sequence: A086224
Score: 17.4421
Type of gen. func.: lgdogf

$$-\frac{10 x^2 - 24 x + 13}{(x - 1) (2 x - 1) (5 x - 6)}$$

Sequence: A086224
Score: 7.97522
Type of gen. func.: ogf

$$(15 f(x) + 79) (2 f(x) x^2 - 3 f(x) x + f(x) + 5 x - 6)$$

Sequence: A086224
Score: 8.35958
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 6, a(1) = 13\}$$

Sequence: A086225
Score: 11.5197
Type of gen. func.: revegf]

$$1/2 \ln(2 x + 9) + \operatorname{arctanh}((22 x + 100)^{1/2}) - \ln(3) - \operatorname{arctanh}(10)$$

Sequence: A086225
Score: 14.5672
Type of gen. func.: ogf

$$-\frac{9 x - 10}{(2 x - 1) (x - 1)}$$

Sequence: A086225
Score: 16.4156
Type of gen. func.: lgdogf

$$-\frac{18 x^2 - 40 x + 21}{}$$

$$(9 x - 10) (x - 1) (2 x - 1)$$

Sequence: A086225
Score: 7.52912
Type of gen. func.: ogf

$$(23 f(x) + 211) (2 f(x) x^2 - 3 f(x) x + f(x) + 9 x - 10)$$

Sequence: A086225
Score: 7.97730
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 10, a(1) = 21\}$$

Sequence: A086246
Score: 14.5036
Type of gen. func.: ogf

$$f(x)^2 - f(x) x + x^2 - f(x) + x$$

Sequence: A086246
Score: 25.0850
Type of gen. func.: revogf

$$x/2 - 1/2 + \frac{(-(3 x + 1) (x - 1))^{1/2}}{2}$$

Sequence: A086246
Score: 4.59158
Type of gen. func.: ogf

$$\{(-3 n^2 + 3 n) a(n) + (-5 n^2 - 7 n) a(n + 1) + (-n^2 - 5 n - 6) a(n + 2)$$
$$+ (n^2 + 5 n + 6) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 1\}$$

Sequence: A086274

Score: 18.0430
Type of gen. func.: lgdogf

$$-\frac{(x-2)(2x^2+x+2)}{(x-1)(x^3-2x^2+x-1)}$$

Sequence: A086274
Score: 3.93784
Type of gen. func.: ogf

$$\{(10n^2+88n+174)a(n+1)+(-21n^2-141n-174)a(n+2)$$
$$+(11n^2+49n+48)a(n+3), a(0)=1, a(1)=4, a(2)=12\}$$

Sequence: A086274
Score: 8.46409
Type of gen. func.: ogf

$$\frac{x^3-2x^2+x-1}{(x-1)^5}$$

Sequence: A086302
Score: 22.5216
Type of gen. func.: lgdogf

$$-\frac{3(x^2+14x+5)}{(x-1)(x^2+10x+1)}$$

Sequence: A086302
Score: 3.80352
Type of gen. func.: ogf

$$\{(n+4)a(n+4)+(12+9n)a(n+3)+(-60-9n)a(n+2)$$
$$+(-n-4)a(n+1), a(0)=8, a(1)=120, a(2)=528, a(3)=1520\}$$

Sequence: A086302
Score: 9.74652
Type of gen. func.: ogf

$$-\frac{8\,(x^2+10\,x+1)}{(x-1)^5}$$

Sequence: A086325
Score: 26.2597
Type of gen. func.: lgdegf]

$$-\frac{x^3-x^2+3\,x+3}{(x-1)\,(x^2-x+2)}$$

Sequence: A086325
Score: 5.11878
Type of gen. func.: ogf

$$\{(n^2+7\,n+12)\,a(n+1)+(n^2+6\,n+8)\,a(n+2)+(-2-n)\,a(n+3),$$
$$a(0)=0,\ a(1)=2,\ a(2)=6\}$$

Sequence: A086341
Score: 12.6836
Type of gen. func.: ogf

$$-\frac{(2\,x+1)^2}{(x+1)\,(2\,x^2-1)}$$

Sequence: A086341
Score: 17.2443
Type of gen. func.: lgdogf

$$-\frac{4\,x^3+6\,x^2+6\,x+3}{(2\,x+1)\,(x+1)\,(2\,x^2-1)}$$

Sequence: A086341
Score: 6.72781
Type of gen. func.: ogf

```
                            3           2               2
     -(7 f(x) + 2) (2 f(x) x  + 2 f(x) x  - f(x) x + 4 x  - f(x) + 4 x + 1)
```

Sequence: A086341
Score: 6.90802
Type of gen. func.: ogf

```
   {-a(n + 3) - a(n + 2) + 2 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 3, a(2) = 3}
```

Sequence: A086344
Score: 11.9007
Type of gen. func.: ogf

```
                             2
                     4 f(x) x  - 2 f(x) x - f(x) + 2 x + 1
```

Sequence: A086344
Score: 16.6610
Type of gen. func.: ogf

```
                                     2 x + 1
                                - --------------
                                     2
                                  4 x  - 2 x - 1
```

Sequence: A086344
Score: 17.6046
Type of gen. func.: revogf

```
                                        2           1/2
                        -1 + 2 x + (20 x  + 4 x + 1)
                        -------------------------------
                                  4 (2 x + 1)
```

Sequence: A086344
Score: 22.5559
Type of gen. func.: lgdogf

$$-\frac{8 x (x + 1)}{(2 x + 1) (4 x^2 - 2 x - 1)}$$

Sequence: A086344
Score: 9.25611
Type of gen. func.: ogf

$$\{-a(n + 2) - 2 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 0\}$$

Sequence: A086346
Score: 4.23082
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 12 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 3, a(2) = 18\}$$

Sequence: A086346
Score: 4.42489
Type of gen. func.: ogf

$$-(58 f(x) + 5) (8 f(x) x^3 + 12 f(x) x^2 + 2 f(x) x - f(x) + x + 1)$$

Sequence: A086346
Score: 8.93172
Type of gen. func.: ogf

$$-\frac{x + 1}{(2 x + 1) (4 x^2 + 4 x - 1)}$$

Sequence: A086346
Score: 9.22215
Type of gen. func.: lgdogf

$$-\frac{16 x^3 + 36 x^2 + 24 x + 3}{(2 x + 1) (x + 1) (4 x^2 + 4 x - 1)}$$

Sequence: A086347
Score: 10.8936
Type of gen. func.: revogf

$$\frac{-1 - 4 x + ((1 + 4 x) (1 + 8 x))^{1/2}}{2 (1 + 4 x)}$$

Sequence: A086347
Score: 10.9178
Type of gen. func.: ogf

$$- \frac{x + 1}{4 x^2 + 4 x - 1}$$

Sequence: A086347
Score: 14.0976
Type of gen. func.: lgdogf

$$- \frac{4 x^2 + 8 x + 5}{(x + 1) (4 x^2 + 4 x - 1)}$$

Sequence: A086347
Score: 5.99146
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A086347
Score: 8.46249
Type of gen. func.: ogf

$$(28 f(x) - 3) (4 f(x) x^2 + 4 f(x) x - f(x) + x + 1)$$

Sequence: A086348
Score: 4.23972
Type of gen. func.: ogf

$$-(87 f(x) - 47) (8 f(x) x^3 + 12 f(x) x^2 + 2 f(x) x + 4 x^2 - f(x) + 6 x + 1)$$

Sequence: A086348
Score: 4.38848
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 12 a(n + 1) + 8 a(n), a(0) = 1, a(1) = 8, a(2) = 32\}$$

Sequence: A086348
Score: 7.62975
Type of gen. func.: lgdogf

$$- \frac{8 (x + 1) (4 x^3 + 8 x^2 + 3 x + 1)}{(2 x + 1) (4 x^2 + 4 x - 1) (4 x^2 + 6 x + 1)}$$

Sequence: A086348
Score: 8.06915
Type of gen. func.: ogf

$$- \frac{4 x^2 + 6 x + 1}{(2 x + 1) (4 x^2 + 4 x - 1)}$$

Sequence: A086349
Score: 4.09667
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) - 12 a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 9,$$

$$a(2) = 40, a(3) = 200\}$$

Sequence: A086349
Score: 4.28575
Type of gen. func.: ogf

$$-(241 + 4059 f(x))$$

3 2 3 2

$$(8 f(x) x + 12 f(x) x + 4 x + 2 f(x) x + 10 x - f(x) + 7 x + 1)$$

Sequence: A086349
Score: 7.46533
Type of gen. func.: lgdogf

$$-\frac{32 x^4 + 96 x^3 + 100 x^2 + 44 x + 9}{(2 x + 1) (x + 1) (4 x^2 + 4 x - 1) (4 x^2 + 6 x + 1)}$$

Sequence: A086349
Score: 7.84714
Type of gen. func.: ogf

$$-\frac{(x + 1) (4 x^2 + 6 x + 1)}{(2 x + 1) (4 x^2 + 4 x - 1)}$$

Sequence: A086351
Score: 13.9355
Type of gen. func.: ogf

$$-\frac{2 x - 1}{7 x^2 - 6 x + 1}$$

Sequence: A086351
Score: 14.9892
Type of gen. func.: revogf

$$-\frac{-1 - 6 x + (8 x^2 + 4 x + 1)^{1/2}}{2 (2 + 7 x)}$$

Sequence: A086351
Score: 16.1725
Type of gen. func.: lgdogf

$$2 (7 x^2 - 7 x + 2)$$

$$-\frac{}{(2 x - 1) (7 x^2 - 6 x + 1)}$$

Sequence: A086351
Score: 7.04605
Type of gen. func.: ogf

$$-(5 f(x) + 3) (7 f(x) x^2 - 6 f(x) x + f(x) + 2 x - 1)$$

Sequence: A086351
Score: 7.64754
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 7 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A086358
Score: 11.8862
Type of gen. func.: lgdogf

$$\frac{24 x^5 - 39 x^4 + 12 x^3 + 4 x^2 - 8 x - 2}{(x - 1) (6 x^5 - 3 x^4 + 4 x^2 + x + 1)}$$

Sequence: A086358
Score: 12.9585
Type of gen. func.: ogf

$$-\frac{6 x^5 - 3 x^4 + 4 x^2 + x + 1}{x - 1}$$

Sequence: A086388
Score: 10.9036
Type of gen. func.: lgdogf

$$-\frac{3 x + 1}{(x - 1) (x + 1)}$$

Sequence: A086388
Score: 11.4247
Type of gen. func.: ogf_with_Euler_transform]

$$[x + 1]$$

Sequence: A086388
Score: 3.14864
Type of gen. func.: ogf

$$-f(x) x^3 + f(x) x^2 + f(x) x - f(x) + 1$$

Sequence: A086388
Score: 6.55259
Type of gen. func.: ogf

$$\frac{1}{(x + 1) (x - 1)^2}$$

Sequence: A086403
Score: 5.66031
Type of gen. func.: ogf

$$\{a(n + 1) + (4 n + 14) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 6, a(2) = 61\}$$

Sequence: A086405
Score: 13.0511
Type of gen. func.: ogf

$$- \frac{2 x - 1}{6 x^2 - 6 x + 1}$$

Sequence: A086405
Score: 13.6889
Type of gen. func.: revogf

$$-1 - 6 x + (12 x^2 + 4 x + 1)^{1/2}$$

$$- \frac{}{4 (3 x + 1)}$$

Sequence: A086405
Score: 14.7419
Type of gen. func.: lgdogf

$$- \frac{4 (3 x^{2} - 3 x + 1)}{(2 x - 1) (6 x^{2} - 6 x + 1)}$$

Sequence: A086405
Score: 6.52553
Type of gen. func.: ogf

$$-(57 f(x) + 7) (6 f(x) x^{2} - 6 f(x) x + f(x) + 2 x - 1)$$

Sequence: A086405
Score: 7.16217
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 6 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A086443
Score: 14.3735
Type of gen. func.: ogf

$$- \frac{x^{2}}{(-1 + 4 x) (3 x - 1)^{2}}$$

Sequence: A086443
Score: 21.5888
Type of gen. func.: lgdogf

$$- \frac{2 (-5 + 18 x)}{(-1 + 4 x) (3 x - 1)}$$

Sequence: A086443
Score: 5.59674
Type of gen. func.: ogf

$$\{a(n + 3) - 10 a(n + 2) + 33 a(n + 1) - 36 a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A086443
Score: 7.52896
Type of gen. func.: ogf

$$36 f(x) x^{3} - 33 f(x) x^{2} + 10 f(x) x + x^{2} - f(x)$$

Sequence: A086444
Score: 5.14015
Type of gen. func.: ogf

$$-(31 f(x) + 409) (30 f(x) x^{3} - 31 f(x) x^{2} + 10 f(x) x + 11 x^{2} - f(x) - 7 x + 1)$$

Sequence: A086444
Score: 5.40602
Type of gen. func.: ogf

$$\{-a(n + 3) + 10 a(n + 2) - 31 a(n + 1) + 30 a(n), a(0) = 1, a(1) = 3, a(2) = 10\}$$

Sequence: A086444
Score: 8.41858
Type of gen. func.: lgdogf

$$- \frac{330 x^{4} - 420 x^{3} + 197 x^{2} - 40 x + 3}{(3 x - 1) (5 x - 1) (2 x - 1) (11 x^{2} - 7 x + 1)}$$

Sequence: A086444
Score: 9.64766
Type of gen. func.: ogf

^{2}

```
                11 x  - 7 x + 1
      - -----------------------------
        (3 x - 1) (2 x - 1) (5 x - 1)
```

Sequence: A086445
Score: 10.4895
Type of gen. func.: ogf

$$\frac{x^2 + x - 1}{(x + 1)(2x - 1)(x - 1)^2}$$

Sequence: A086445
Score: 12.6748
Type of gen. func.: lgdogf

$$-\frac{4x^4 + 7x^3 - 7x^2 - 2x + 2}{(x - 1)(2x - 1)(x + 1)(x^2 + x - 1)}$$

Sequence: A086445
Score: 3.84988
Type of gen. func.: ogf

$$\{(2n + 4)\,a(n + 1) - a(n + 2)\,n + (-2n - 3)\,a(n + 3) + (n + 1)\,a(n + 4),$$

$$a(0) = 1,\ a(1) = 2,\ a(2) = 4,\ a(3) = 7\}$$

Sequence: A086445
Score: 5.56752
Type of gen. func.: ogf

$$(11 f(x) - 8)(2 f(x) x^4 - 3 f(x) x^3 - f(x) x^2 + 3 f(x) x - x^2 - f(x) - x + 1)$$

Sequence: A086453
Score: 5.49404
Type of gen. func.: ogf

```
                10          7         4         3       2
      x (1696000 x   + 5182 x  + 800 x  + 140 x  - 3 x  - 7 x - 1)
    - ------------------------------------------------------------
```

$$(5 x - 1) (25 x^2 + 5 x + 1) (128 x^3 - 1)$$

Sequence: A086456
Score: 10.3756
Type of gen. func.: ogf

$$f(x)^2 - f(x) x - f(x) + 2 x$$

Sequence: A086456
Score: 13.3425
Type of gen. func.: lgdogf

$$\frac{x - 1 + (x^2 - 6 x + 1)^{1/2}}{2 x (x^2 - 6 x + 1)^{1/2}}$$

Sequence: A086462
Score: 11.8912
Type of gen. func.: ogf

$$\frac{(x + 1) (1 + 4 x)}{(-1 + 4 x) (x - 1)}$$

Sequence: A086462
Score: 12.8686
Type of gen. func.: lgdogf

$$- \frac{10 (2 x - 1) (2 x + 1)}{(x - 1) (-1 + 4 x) (1 + 4 x) (x + 1)}$$

Sequence: A086462
Score: 6.05993
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 10, a(2) = 50\}$$

Sequence: A086462
Score: 8.87654
Type of gen. func.: ogf

$$-4 f(x) x^2 + 5 f(x) x + 4 x^2 - f(x) + 5 x + 1$$

Sequence: A086500
Score: 10.5131
Type of gen. func.: lgdogf

$$-\frac{3 (x^5 + 11 x^4 + 14 x^3 + 26 x^2 + 9 x + 3)}{(x - 1) (x + 1) (x^4 + 8 x^3 + 6 x^2 + 8 x + 1)}$$

Sequence: A086500
Score: 6.98424
Type of gen. func.: ogf

$$\frac{x^4 + 8 x^3 + 6 x^2 + 8 x + 1}{(x + 1)^3 (x - 1)^4}$$

Sequence: A086514
Score: 10.1239
Type of gen. func.: ogf

$$\frac{2 x^3 + x^2 - 2 x + 1}{(x - 1)^4}$$

Sequence: A086514
Score: 17.3729
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 + 4 x^2 - 2 x + 1)}{(x - 1) (2 x^3 + x^2 - 2 x + 1)}$$

Sequence: A086514
Score: 4.12457
Type of gen. func.: ogf

$$\{(55 n^2 + 299 n + 378) a(n + 1) + (-104 n^2 - 424 n - 228) a(n + 2) + (49 n^2 + 143 n - 12) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 3\}$$

Sequence: A086514
Score: 5.6901
Type of gen. func.: ogf

$$(6 f(x) + 5) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 2 x^3 - 4 f(x) x - x^2 + f(x) + 2 x - 1)$$

Sequence: A086515
Score: 14.4111
Type of gen. func.: ogf

$$\frac{3 x^2 + 2 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A086515
Score: 18.7515
Type of gen. func.: lgdogf

$$- \frac{(3 x + 1) (x^2 + 2 x + 3)}{(x - 1) (x + 1) (3 x^2 + 2 x + 1)}$$

Sequence: A086515
Score: 7.77947
Type of gen. func.: ogf

$$(6 f(x) - 215) (f(x) x^3 - f(x) x^2 - f(x) x - 3 x^2 + f(x) - 2 x - 1)$$

Sequence: A086515
Score: 7.84892
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 3, a(2) = 7}

Sequence: A086520
Score: 13.5925
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^4 + x^3 + 2 x^2 + 2}{-x^3 - x^2 - x - 1}$$

Sequence: A086570
Score: 13.6643
Type of gen. func.: ogf

$$\frac{(x + 1)^3}{(x - 1)^2}$$

Sequence: A086570
Score: 39.5099
Type of gen. func.: ogf_with_Euler_transform]

[5 - 3 x]

Sequence: A086570
Score: 45.4164
Type of gen. func.: lgdogf

$$\frac{-5 + x}{(x - 1) (x + 1)}$$

Sequence: A086570
Score: 7.18556
Type of gen. func.: ogf

$\{a(n + 4) - 2 a(n + 3) + a(n + 2), a(0) = 1, a(1) = 5, a(2) = 12, a(3) = 20\}$

Sequence: A086570
Score: 8.09248
Type of gen. func.: ogf

$$(30 f(x) - 19) (f(x) x^2 - x^3 - 2 f(x) x - 3 x^2 + f(x) - 3 x - 1)$$

Sequence: A086573
Score: 12.4727
Type of gen. func.: ogf

$$-10 f(x) x^2 + 11 f(x) x - f(x) + 18 x$$

Sequence: A086573
Score: 12.9378
Type of gen. func.: revogf

$$- \frac{-18 - 11 x + 3 (9 x^2 + 44 x + 36)^{1/2}}{20 x}$$

Sequence: A086573
Score: 13.8015
Type of gen. func.: ogf

$$\frac{18 x}{(x - 1) (10 x - 1)}$$

Sequence: A086573
Score: 20.8996
Type of gen. func.: lgdogf

$$- \frac{-11 + 20 x}{(10 x - 1) (x - 1)}$$

Sequence: A086573

Score: 6.57215
Type of gen. func.: ogf

$$\{a(n+2) - 11\,a(n+1) + 10\,a(n),\ a(0) = 0,\ a(1) = 18\}$$

Sequence: A086574
Score: 10.8678
Type of gen. func.: revogf

$$-\frac{-11x - 27 + 3\,(3x^2 + 22x + 27)^{1/2}\,3^{1/2}}{20x}$$

Sequence: A086574
Score: 12.4727
Type of gen. func.: ogf

$$-10 f(x) x^2 + 11 f(x) x - f(x) + 27x$$

Sequence: A086574
Score: 15.5319
Type of gen. func.: ogf

$$\frac{27x}{(x-1)(10x-1)}$$

Sequence: A086574
Score: 20.8996
Type of gen. func.: lgdogf

$$-\frac{-11 + 20x}{(10x-1)(x-1)}$$

Sequence: A086574
Score: 7.39615
Type of gen. func.: ogf

$$\{a(n+2) - 11\,a(n+1) + 10\,a(n),\ a(0) = 0,\ a(1) = 27\}$$

Sequence: A086575
Score: 12.4727
Type of gen. func.: ogf

$$-10 f(x) x^2 + 11 f(x) x - f(x) + 36 x$$

Sequence: A086575
Score: 12.6370
Type of gen. func.: revogf

$$-\frac{-36 - 11 x + 3 (9 x^2 + 88 x + 144)^{1/2}}{20 x}$$

Sequence: A086575
Score: 13.8015
Type of gen. func.: ogf

$$\frac{36 x}{(x - 1) (10 x - 1)}$$

Sequence: A086575
Score: 20.8996
Type of gen. func.: lgdogf

$$-\frac{-11 + 20 x}{(10 x - 1) (x - 1)}$$

Sequence: A086575
Score: 6.57215
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 0, a(1) = 36\}$$

Sequence: A086576
Score: 12.3498
Type of gen. func.: revogf

2 1/2

$$-\frac{-45 - 11 x + 3 (9 x + 110 x + 225)}{20 x}$$

Sequence: A086576
Score: 12.4727
Type of gen. func.: ogf

$$-10 f(x) x^2 + 11 f(x) x - f(x) + 45 x$$

Sequence: A086576
Score: 13.8015
Type of gen. func.: ogf

$$\frac{45 x}{(x - 1) (10 x - 1)}$$

Sequence: A086576
Score: 20.8996
Type of gen. func.: lgdogf

$$-\frac{-11 + 20 x}{(10 x - 1) (x - 1)}$$

Sequence: A086576
Score: 6.57215
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 0, a(1) = 45\}$$

Sequence: A086577
Score: 10.6547
Type of gen. func.: revogf

$$-\frac{-54 - 11 x + 3 (3 x^2 + 44 x + 108)^{1/2} 3^{1/2}}{20 x}$$

Sequence: A086577
Score: 12.4727
Type of gen. func.: ogf

$$-10 f(x) x^2 + 11 f(x) x - f(x) + 54 x$$

Sequence: A086577
Score: 13.8015
Type of gen. func.: ogf

$$\frac{54 x}{(x - 1) (10 x - 1)}$$

Sequence: A086577
Score: 20.8996
Type of gen. func.: lgdogf

$$-\frac{-11 + 20 x}{(10 x - 1) (x - 1)}$$

Sequence: A086577
Score: 6.57215
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 0, a(1) = 54\}$$

Sequence: A086578
Score: 12.3498
Type of gen. func.: revogf

$$-\frac{-63 - 11 x + 3 (9 x^2 + 154 x + 441)^{1/2}}{20 x}$$

Sequence: A086578
Score: 12.4727
Type of gen. func.: ogf

$$-10 f(x) x^2 + 11 f(x) x - f(x) + 63 x$$

Sequence: A086578
Score: 13.8015
Type of gen. func.: ogf

$$\frac{63 x}{(x - 1) (10 x - 1)}$$

Sequence: A086578
Score: 20.8996
Type of gen. func.: lgdogf

$$- \frac{-11 + 20 x}{(10 x - 1) (x - 1)}$$

Sequence: A086578
Score: 6.57215
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 0, a(1) = 63\}$$

Sequence: A086579
Score: 12.3498
Type of gen. func.: revogf

$$- \frac{-72 - 11 x + 3 (9 x^2 + 176 x + 576)^{1/2}}{20 x}$$

Sequence: A086579
Score: 12.4727
Type of gen. func.: ogf

$$-10 f(x) x^2 + 11 f(x) x - f(x) + 72 x$$

Sequence: A086579
Score: 13.8015
Type of gen. func.: ogf

$$\frac{72 x}{(x - 1) (10 x - 1)}$$

Sequence: A086579
Score: 20.8996
Type of gen. func.: lgdogf

$$-\frac{-11 + 20 x}{(10 x - 1) (x - 1)}$$

Sequence: A086579
Score: 6.57215
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 0, a(1) = 72\}$$

Sequence: A086580
Score: 12.4727
Type of gen. func.: ogf

$$-10 f(x) x^2 + 11 f(x) x - f(x) + 81 x$$

Sequence: A086580
Score: 13.5847
Type of gen. func.: revogf

$$-\frac{-81 - 11 x + 9 (x^2 + 22 x + 81)^{1/2}}{20 x}$$

Sequence: A086580
Score: 13.8015
Type of gen. func.: ogf

$$\frac{81 x}{(x - 1) (10 x - 1)}$$

Sequence: A086580
Score: 20.8996
Type of gen. func.: lgdogf

$$-\frac{-11 + 20 x}{(10 x - 1) (x - 1)}$$

Sequence: A086580
Score: 6.57215
Type of gen. func.: ogf

{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 0, a(1) = 81}

Sequence: A086581
Score: 12.5743
Type of gen. func.: revogf

$$-\frac{-1 - 2 x - x^2 + ((x + 1) (x^3 + 3 x^2 - x + 1))^{1/2}}{2 (x + 1)}$$

Sequence: A086581
Score: 8.39222
Type of gen. func.: ogf

$$f(x)^2 x^2 - f(x) x^2 + 2 f(x) x - f(x) - x + 1$$

Sequence: A086585
Score: 2.69292
Type of gen. func.: ogf

$$(2 f(x) x - f(x) - x + 1)^3$$

Sequence: A086591
Score: 8.59365
Type of gen. func.: lgdegf]

$$-6 - x^3 + (2 x^3 + 18) f(x) + (-x^3 - 18) f(x)^2 + 6 f(x)^3$$

Sequence: A086594
Score: 13.6260
Type of gen. func.: lgdogf

$$-\frac{2(2x^2 - x - 2)}{(-1 + 4x)(x^2 + 8x - 1)}$$

Sequence: A086594
Score: 15.2903
Type of gen. func.: ogf

$$\frac{2(-1 + 4x)}{x^2 + 8x - 1}$$

Sequence: A086594
Score: 7.56112
Type of gen. func.: ogf

$$(1105 f(x) - 1698) (f(x) x^2 + 8 f(x) x - f(x) - 8 x + 2)$$

Sequence: A086594
Score: 8.39100
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) + a(n), a(0) = 2, a(1) = 8\}$$

Sequence: A086601
Score: 13.9125
Type of gen. func.: lgdogf

$$-\frac{x^4 + 2x^3 + 15x^2 + 8x + 4}{(x - 1)(x^4 - x^3 + 6x^2 - x + 1)}$$

Sequence: A086601
Score: 7.61969
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 + 6x^2 - x + 1}{(x-1)^5}$$

Sequence: A086602
Score: 21.9358
Type of gen. func.: lgdogf

$$-\frac{3(x^2 - 2x - 4)}{(x-1)(x^2 - 2x - 2)}$$

Sequence: A086602
Score: 4.43125
Type of gen. func.: ogf

$$\{(n+2)\,a(n+1) + (n^2 + 6n + 12)\,a(n+2) + (-n^2 - 3n - 2)\,a(n+3),$$

$$a(0) = 0,\ a(1) = 0,\ a(2) = 2\}$$

Sequence: A086602
Score: 8.40409
Type of gen. func.: ogf

$$\frac{x^2 (x^2 - 2x - 2)}{(x-1)^5}$$

Sequence: A086603
Score: 14.9143
Type of gen. func.: lgdogf

$$-\frac{6(9x^2 + 21x + 4)}{(3x-1)(9x^2 + 12x + 1)}$$

Sequence: A086603
Score: 4.06607
Type of gen. func.: ogf

$$-(1980 f(x) + 1087) \left(81 f(x) x^4 - 108 f(x) x^3 + 54 f(x) x^2 - 9 x^3 - 12 f(x) x - 12 x^2 + f(x) - x \right)$$

Sequence: A086603
Score: 7.66891
Type of gen. func.: ogf

$$\frac{x (9 x^2 + 12 x + 1)}{(3 x - 1)^4}$$

Sequence: A086604
Score: 14.9715
Type of gen. func.: lgdogf

$$-\frac{2 (44 x^2 + 64 x + 11)}{(2 x - 1) (22 x^2 + 14 x + 1)}$$

Sequence: A086604
Score: 4.32736
Type of gen. func.: ogf

$$-(98496 f(x) + 143945) (16 f(x) x^4 - 32 f(x) x^3 + 24 f(x) x^2 - 22 x^3 - 8 f(x) x - 14 x^2 + f(x) - x)$$

Sequence: A086604
Score: 8.37735
Type of gen. func.: ogf

$$x (22 x^2 + 14 x + 1)$$

$$(2x-1)^4$$

Sequence: A086605
Score: 17.9176
Type of gen. func.: lgdogf

$$-\frac{2\,(37x^2+61x+10)}{(x-1)\,(37x^2+16x+1)}$$

Sequence: A086605
Score: 3.63596
Type of gen. func.: ogf

$$\{(-n-3)\,a(n+4)+(-10-15n)\,a(n+3)+(101-21n)\,a(n+2)$$

$$+(74+37n)\,a(n+1),\ a(0)=0,\ a(1)=1,\ a(2)=20,\ a(3)=111\}$$

Sequence: A086605
Score: 5.0363
Type of gen. func.: ogf

$$-(58644\,f(x)+689417)$$

$$(f(x)\,x^4-4\,f(x)\,x^3+6\,f(x)\,x^2-37\,x^3-4\,f(x)\,x-16\,x^2+f(x)-x)$$

Sequence: A086605
Score: 9.93829
Type of gen. func.: ogf

$$\frac{x\,(37x^2+16x+1)}{(x-1)^4}$$

Sequence: A086611
Score: 4.80522
Type of gen. func.: ogf

$$-x^3\,f(x)^2+2\,f(x)^2\,x^2-f(x)^2\,x+f(x)\,x^2-2\,f(x)\,x+x^2+f(x)+x-1$$

Sequence: A086613
Score: 9.19012
Type of gen. func.: ogf

$$x^4 + 2 x^3 + x^2 - x - 1 + f(x) - f(x)^2 x$$

Sequence: A086615
Score: 3.36746
Type of gen. func.: ogf

$\{(-3 n - 9) a(n + 1) + a(n + 2) n + (3 n + 15) a(n + 3) + (-n - 6) a(n + 4),$

$a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8\}$

Sequence: A086615
Score: 5.63231
Type of gen. func.: ogf

$$-f(x)^2 x^4 + 2 x^3 f(x)^2 - f(x)^2 x^2 + f(x) x^2 - 2 f(x) x + f(x) - 1$$

Sequence: A086616
Score: 10.2692
Type of gen. func.: lgdogf

$$- \frac{-(x^2 - 6 x + 1)^{1/2} + 3 x (x^2 - 6 x + 1)^{1/2} - x^2 + 1}{2 x (x - 1) (x^2 - 6 x + 1)^{1/2}}$$

Sequence: A086616
Score: 4.14221
Type of gen. func.: ogf

$\{(-2 - n) a(n + 1) + (7 n + 23) a(n + 2) + (-7 n - 26) a(n + 3)$

$+ (n + 5) a(n + 4), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 31\}$

Sequence: A086616

Score: 7.29468
Type of gen. func.: ogf

$$x^3 f(x)^2 - 2 f(x)^2 x^2 + f(x)^2 x - f(x) x^2 + 2 f(x) x - f(x) + 1$$

Sequence: A086622
Score: 12.2786
Type of gen. func.: revogf

$$- \frac{-1 - 2 x - x^2 + (x^4 - 4 x^3 + 6 x^2 + 4 x + 1)^{1/2}}{4 x^2}$$

Sequence: A086622
Score: 3.49395
Type of gen. func.: ogf

$$\{(-8 n - 20) a(n + 1) - 4 a(n + 2) + (4 n + 20) a(n + 3) + (-n - 6) a(n + 4),$$

$$a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 12\}$$

Sequence: A086622
Score: 8.3038
Type of gen. func.: ogf

$$2 x^3 f(x)^2 - f(x)^2 x^2 - 2 f(x) x + f(x) - 1$$

Sequence: A086625
Score: 12.1727
Type of gen. func.: revogf

$$- \frac{-1 - x - x^2 + (x^4 - 2 x^3 + 3 x^2 + 6 x + 1)^{1/2}}{2 (x - 1) (x + 1)}$$

Sequence: A086625
Score: 8.73394
Type of gen. func.: ogf

3   2   2 2

$$x f(x) - f(x) x - f(x) x + f(x) - x - 1$$

Sequence: A086628
Score: 5.03662
Type of gen. func.: ogf

$$f(x)^3 x^3 - x^2 f(x)^3 - f(x) x + f(x) - x - 1$$

Sequence: A086628
Score: 7.06764
Type of gen. func.: revogf

$$- 1/2 - x/2 + \frac{x^3}{2} + \frac{(x^6 - 2 x^4 - 6 x^3 + x^2 + 6 x + 1)^{1/2}}{2}$$

Sequence: A086631
Score: 5.52621
Type of gen. func.: ogf

$$-f(x)^3 x^4 + 2 f(x)^3 x^3 - x^2 f(x)^3 + f(x) x^2 - 2 f(x) x + f(x) - 1$$

Sequence: A086633
Score: 3.00217
Type of gen. func.: ogf

$$-f(x)^3 x^4 + 3 f(x)^3 x^3 - 3 x^2 f(x)^3 + f(x)^3 x + f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) - 2 x + 1$$

Sequence: A086640
Score: 12.7448
Type of gen. func.: ogf

$$- \frac{(2 x + 7) (x + 1)}{(x - 1)^3}$$

Sequence: A086640
Score: 21.1801
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 + 11 x + 15)}{(x - 1) (2 x + 7) (x + 1)}$$

Sequence: A086640
Score: 6.26964
Type of gen. func.: ogf

$$(1284012 f(x) - 11841725)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x) + 9 x + 7)$$

Sequence: A086640
Score: 6.81961
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 7, a(1) = 30, a(2) = 71\}$$

Sequence: A086644
Score: 3.40215
Type of gen. func.: ogf

$$-(f(x) - 1)^2$$

Sequence: A086644
Score: 5.33611
Type of gen. func.: lgdogf

$$-145843007127552 x^6$$

Sequence: A086651
Score: 5.65227
Type of gen. func.: ogf

$$- (2 x^{14} - x^{11} + x^9 - 39 x^8 - 5 x^6 + 5 x^5 + 3 x^3 + x^2 + 1) / ((x - 1)$$

/

$$(x^2 + x - 1) (x^2 - x - 1) (x^4 - x^3 + 2 x^2 + x + 1) (x^4 + x^3 + 2 x^2 - x + 1)$$

)

Sequence: A086652
Score: 10.5987
Type of gen. func.: lgdogf

$$- \frac{40 x^4 - 8 x^3 - 50 x^2 + 4 x + 13}{(2 x - 1) (10 x^2 - x - 6) (2 x^2 - 1)}$$

Sequence: A086652
Score: 10.6450
Type of gen. func.: ogf

$$- \frac{10 x^2 - x - 6}{(2 x - 1) (2 x^2 - 1)}$$

Sequence: A086652
Score: 5.64094
Type of gen. func.: ogf

$$(257 f(x) - 1377) (4 f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + 10 x^2 + f(x) - x - 6)$$

Sequence: A086652
Score: 5.78939
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - 4 a(n), a(0) = 6, a(1) = 13, a(2) = 28\}$$

Sequence: A086653
Score: 11.1882
Type of gen. func.: ogf

$$2 x^2 - 10 x + 5$$

```
                              - ------------------
                                                 2
                                (2 x - 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A086653
Score: 12.5913
Type of gen. func.: lgdogf


                                 3       2
                           2 (2 x  - 18 x  + 18 x - 5)
                     - ------------------------------------
                                             2
                       (x - 1) (2 x - 1) (2 x  - 10 x + 5)



------------------------------------------------------------------------------

Sequence:  A086653
Score: 6.03187
Type of gen. func.: ogf


                           3            2                  2
  (25 f(x) - 518) (2 f(x) x  - 5 f(x) x  + 4 f(x) x + 2 x  - f(x) - 10 x + 5)



------------------------------------------------------------------------------

Sequence:  A086653
Score: 6.08479
Type of gen. func.: ogf


 {a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 5, a(1) = 10, a(2) = 17}



------------------------------------------------------------------------------

Sequence:  A086660
Score: 7.87993
Type of gen. func.: lgdegf]


                                     2
2 a(n + 1) + (-3 n - 6) a(n + 2) + (n  + 5 n + 6) a(n + 3), a(0) = 0, a(1) = -2,

    a(2) = -3



------------------------------------------------------------------------------

Sequence:  A086663
Score: 10.9182
Type of gen. func.: lgdogf


                        6      5      4    3      2
                  4 (4 x  - 9 x  + 5 x  + x  - 3 x  + x - 1)
              ---------------------------------------------------
                                    5      4      3      2
              (x - 1) (x + 1) (4 x  - 8 x  + 8 x  - 4 x  + x + 1)
```

Sequence: A086663
Score: 11.2727
Type of gen. func.: ogf

$$\frac{(x + 1) (4 x^5 - 8 x^4 + 8 x^3 - 4 x^2 + x + 1)}{(x - 1)^2}$$

Sequence: A086689
Score: 16.7302
Type of gen. func.: lgdogf

$$- \frac{16 x^2 + 43 x + 13}{(x - 1) (4 x^2 + 7 x + 1)}$$

Sequence: A086689
Score: 7.18890
Type of gen. func.: ogf

$$\frac{4 x^2 + 7 x + 1}{(x - 1)^6}$$

Sequence: A086695
Score: 4.04774
Type of gen. func.: ogf

$$-(27269097273 f(x) + 14410984100)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 1000 x^2 - f(x) + 20 x + 89)$$

Sequence: A086695
Score: 4.64393
Type of gen. func.: ogf

$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 89, a(1) = 9899,$

$a(2) = 998999\}$

Sequence: A086695
Score: 8.09550
Type of gen. func.: ogf

$$\frac{1000 x^{2} - 20 x - 89}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A086742
Score: 7.58397
Type of gen. func.: ogf

$$\frac{5 x^{35} - 5 x^{34} + 20 x^{30} - 20 x^{29} + 5 x^{10} - 5 x^{9} + 2 x^{5} - 2 x^{4} + x^{3} - x + 1}{(x - 1)^{2}}$$

Sequence: A086743
Score: 5.59663
Type of gen. func.: ogf

$$- (x^{33} - x^{32} + x^{31} - x^{30} + x^{26} - x^{25} + x^{24} - x^{23} + x^{10} - x^{9} + x^{8} - x^{7} + x^{3} - x^{2} - 1) \Big/ (x - 1)^{2}$$

Sequence: A086746
Score: 11.6597
Type of gen. func.: ogf

$$-f(x) x^{2} + 2 f(x) x - f(x) + 3018$$

Sequence: A086746
Score: 18.6526
Type of gen. func.: revogf

$$\frac{3018 x}{(1509 + (2277081 + 3018 x)^{1/2})^{2}}$$

Sequence: A086746
Score: 20.0807
Type of gen. func.: ogf

$$\frac{3018}{(x - 1)^2}$$

Sequence: A086746
Score: 8.21482
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 3018, a(1) = 6036\}$$

Sequence: A086746
Score: 88.5998
Type of gen. func.: lgdogf

$$-\frac{2}{x - 1}$$

Sequence: A086755
Score: 20.2848
Type of gen. func.: lgdogf

$$-\frac{2 (x + 5) (2 x + 1)}{(x - 1) (x^2 + 4 x + 1)}$$

Sequence: A086755
Score: 3.50022
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-1 + 3 n) a(n + 3) + (-28 - 3 n) a(n + 2)$$

$$+ (-5 - n) a(n + 1), a(0) = 2, a(1) = 20, a(2) = 92, a(3) = 292\}$$

Sequence: A086755

Score: 7.99483
Type of gen. func.: ogf

$$\frac{2 (x^2 + 4 x + 1)}{(x - 1)^6}$$

Sequence: A086760
Score: 12.6146
Type of gen. func.: ogf

$$\frac{37 x^2 - 10 x - 43}{(x - 1)^3}$$

Sequence: A086760
Score: 18.8663
Type of gen. func.: lgdogf

$$- \frac{37 x^2 + 54 x - 139}{(x - 1) (37 x^2 - 10 x - 43)}$$

Sequence: A086760
Score: 6.56371
Type of gen. func.: ogf

$$(2074 f(x) - 1746187)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 37 x^2 - f(x) + 10 x + 43)$$

Sequence: A086760
Score: 6.90032
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 43, a(1) = 139, a(2) = 251\}$$

Sequence: A086790
Score: 9.75281

Type of gen. func.: ogf

$$\frac{x^9 - x^8 + x^5 - x^4 + 2 x^3 + x^2 + 1}{(x - 1)^2}$$

Sequence: A086790
Score: 9.78877
Type of gen. func.: lgdogf

$$\frac{7 x^9 - 15 x^8 + 8 x^7 + 3 x^5 - 7 x^4 + 6 x^3 - 6 x^2 - 2 x - 2}{(x - 1) (x^9 - x^8 + x^5 - x^4 + 2 x^3 + x^2 + 1)}$$

Sequence: A086796
Score: 5.24544
Type of gen. func.: ogf

$$\frac{2 x^7 - 5 x^6 + x^5 + 5 x^4 - 9 x^2 + 6 x - 3}{(x - 1)^5}$$

Sequence: A086814
Score: 8.00813
Type of gen. func.: ogf

$$\frac{x^8 - x^7 + x^4 - x^3 + x^2 + x + 2}{(x - 1)^2}$$

Sequence: A086814
Score: 8.63693
Type of gen. func.: lgdogf

$$\frac{6 x^8 - 13 x^7 + 7 x^6 + 2 x^4 - 5 x^3 + 3 x^2 - 3 x - 5}{(x - 1) (x^8 - x^7 + x^4 - x^3 + x^2 + x + 2)}$$

Sequence: A086822
Score: 15.3990
Type of gen. func.: ogf

$$\frac{x^3 - 4 x + 6}{(x - 1)^2}$$

Sequence: A086822
Score: 17.9301
Type of gen. func.: lgdogf

$$\frac{x^3 - 3 x^2 + 4 x - 8}{(x - 1) (x^3 - 4 x + 6)}$$

Sequence: A086822
Score: 7.03576
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) + a(n + 2), a(0) = 6, a(1) = 8, a(2) = 10, a(3) = 13\}$$

Sequence: A086822
Score: 8.59104
Type of gen. func.: ogf

$$(3 f(x) - 154) (f(x) x^2 - x^3 - 2 f(x) x + f(x) + 4 x - 6)$$

Sequence: A086828
Score: 4.71603
Type of gen. func.: ogf

$$\{(n + 3) a(n + 1) - a(n + 3) + a(n + 2), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 7\}$$

Sequence: A086848
Score: 5.35769
Type of gen. func.: lgdogf

$$-(96x^9+96x^8+636x^7+12x^6-1318x^5-248x^4+794x^3+194x^2-153x-43)\Big/\big((x-1)(x+1)(2x^2-1)(48x^6+34x^4-x^3-113x^2+x+42)\big)$$

Sequence: A086848
Score: 5.78436
Type of gen. func.: ogf

$$\frac{48x^6+34x^4-x^3-113x^2+x+42}{(2x^2-1)(x+1)^2(x-1)^3}$$

Sequence: A086850
Score: 13.6718
Type of gen. func.: lgdogf

$$\frac{120x^5-20x^4+32x^3+12x^2-6x-1}{20x^6-4x^5+8x^4+4x^3-3x^2-x+1}$$

Sequence: A086858
Score: 19.0721
Type of gen. func.: lgdogf

$$\frac{25x^{26}-26x^{25}+2x^3-3x^2-1}{(x-1)(x^{26}+x^3+1)}$$

Sequence: A086858
Score: 19.8259
Type of gen. func.: ogf

$$-\frac{x^{26}+x^3+1}{x-1}$$

Sequence: A086864
Score: 25.7510
Type of gen. func.: lgdogf

$$-\frac{30 (1 + 6 x)}{(15 x + 1) (3 x - 1)}$$

Sequence: A086864
Score: 4.67257
Type of gen. func.: ogf

{-n a(n + 3) + (42 - 12 n) a(n + 2) + (90 + 45 n) a(n + 1), a(0) = 0, a(1) = 0,

a(2) = 0, a(3) = 1}

Sequence: A086864
Score: 8.42149
Type of gen. func.: ogf

$$-\frac{x^3 (15 x + 1)}{(3 x - 1)^5}$$

Sequence: A086866
Score: 17.0955
Type of gen. func.: lgdogf

$$-\frac{16 x^2 - 36 x + 17}{(8 x - 5) (x - 1) (2 x - 1)}$$

Sequence: A086866
Score: 4.64455
Type of gen. func.: ogf

{a(n + 5) - 6 a(n + 4) + 12 a(n + 3) - 8 a(n + 2), a(0) = 0, a(1) = 0, a(2) = 5,

a(3) = 17, a(4) = 50}

Sequence: A086866
Score: 5.18046
Type of gen. func.: ogf

$$(18168 f(x) - 128843)$$

$$(8 f(x) x^3 + 8 x^4 - 12 f(x) x^2 - 13 x^3 + 6 f(x) x + 5 x^2 - f(x))$$

Sequence: A086866
Score: 9.48535
Type of gen. func.: ogf

$$- \frac{x^2 (8 x - 5) (x - 1)}{(2 x - 1)^3}$$

Sequence: A086871
Score: 18.2671
Type of gen. func.: revogf

$$1/2 + x/2 - \frac{(9 x^2 - 2 x + 1)^{1/2}}{2}$$

Sequence: A086871
Score: 9.56849
Type of gen. func.: lgdogf

$$\frac{(x - 1)^{1/2} (9 x - 1)^{1/2} - x + 1}{2 x (x - 1)^{3/2} (9 x - 1)^{1/2}}$$

Sequence: A086871
Score: 9.7618
Type of gen. func.: ogf

$$-2 f(x)^2 x - f(x) x + f(x) + x - 1$$

Sequence: A086893
Score: 11.0574
Type of gen. func.: lgdogf

$$-\frac{8 x^4 - 16 x^3 - 2 x^2 + 4 x + 3}{(x - 1) (2 x + 1) (2 x - 1) (2 x^2 - 2 x - 1)}$$

Sequence: A086893
Score: 11.6472
Type of gen. func.: ogf

$$-\frac{2 x^2 - 2 x - 1}{(2 x - 1) (2 x + 1) (x - 1)}$$

Sequence: A086893
Score: 6.23224
Type of gen. func.: ogf

$$(94 f(x) + 123) (4 f(x) x^3 - 4 f(x) x^2 - f(x) x + 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A086893
Score: 6.34354
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 4 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 3, a(2) = 5\}$$

Sequence: A086901
Score: 13.6568
Type of gen. func.: ogf

$$\frac{3 x - 1}{3 x^2 + 4 x - 1}$$

Sequence: A086901
Score: 15.4363
Type of gen. func.: revogf

$$\frac{-1 - 4 x + (28 x^2 - 4 x + 1)^{1/2}}{6 (x - 1)}$$

Sequence: A086901
Score: 16.2707
Type of gen. func.: lgdogf

$$- \frac{9 x^2 - 6 x - 1}{(3 x - 1) (3 x^2 + 4 x - 1)}$$

Sequence: A086901
Score: 7.06387
Type of gen. func.: ogf

$$(52 f(x) - 51) (3 f(x) x^2 + 4 f(x) x - f(x) - 3 x + 1)$$

Sequence: A086901
Score: 7.49459
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A086902
Score: 12.9815
Type of gen. func.: ogf

$$\frac{7 x - 2}{x^2 + 7 x - 1}$$

Sequence: A086902
Score: 16.3481
Type of gen. func.: lgdogf

$$- \frac{7 x^2 - 4 x - 7}{(7 x - 2) (x^2 + 7 x - 1)}$$

Sequence: A086902
Score: 7.12399
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) + a(n), a(0) = 2, a(1) = 7\}$$

Sequence: A086902
Score: 7.91443
Type of gen. func.: ogf

$$-(53 f(x) - 57) (f(x) x^2 + 7 f(x) x - f(x) - 7 x + 2)$$

Sequence: A086903
Score: 13.5806
Type of gen. func.: ogf

$$-\frac{2 (-1 + 4 x)}{x^2 - 8 x + 1}$$

Sequence: A086903
Score: 17.6219
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^2 - x + 2)}{(-1 + 4 x) (x^2 - 8 x + 1)}$$

Sequence: A086903
Score: 6.50138
Type of gen. func.: ogf

$$-(945 f(x) - 1378) (f(x) x^2 - 8 f(x) x + f(x) + 8 x - 2)$$

Sequence: A086903
Score: 7.45279

Type of gen. func.: ogf

$$\{a(n + 2) - 8\, a(n + 1) + a(n),\ a(0) = 2,\ a(1) = 8\}$$

Sequence: A086905
Score: 3.71778
Type of gen. func.: ogf

$$\{(4 n + 12)\, a(n + 1) + (4 n + 14)\, a(n + 2) + (-n - 3)\, a(n + 3) + (-5 - n)\, a(n + 4),\ a(0) = 1,\ a(1) = 0,\ a(2) = 2,\ a(3) = 1\}$$

Sequence: A086905
Score: 6.48143
Type of gen. func.: ogf

$$-2 f(x)^{2} x^{4} - 3 x^{3} f(x)^{2} + f(x)^{2} x - 2 f(x) x^{2} - f(x) x + f(x) - 1$$

Sequence: A086926
Score: 17.4825
Type of gen. func.: lgdogf

$$-\frac{3\,(x^{4} + 6 x^{2} + 4 x + 2)}{(x^{2} + x - 1)\,(x^{3} + 3 x + 1)}$$

Sequence: A086926
Score: 4.21170
Type of gen. func.: ogf

$$\{(n^{2} + 5 n + 6)\, a(n + 1) + (n^{2} + 3 n)\, a(n + 2) + (-n^{2} - n)\, a(n + 3),\ a(0) = 0,\ a(1) = 0,\ a(2) = 1,\ a(3) = 6\}$$

Sequence: A086926
Score: 9.62675
Type of gen. func.: ogf

$$-\frac{x^{2}\,(x^{3} + 3 x + 1)}{}$$

$$(x^2 + x - 1)^3$$

Sequence: A086927
Score: 11.8075
Type of gen. func.: ogf

$$\frac{2 (5 x - 1)}{x^2 + 10 x - 1}$$

Sequence: A086927
Score: 15.0942
Type of gen. func.: lgdogf

$$- \frac{5 x^2 - 2 x - 5}{(5 x - 1) (x^2 + 10 x - 1)}$$

Sequence: A086927
Score: 5.96722
Type of gen. func.: ogf

$$-(26 f(x) - 27) (f(x) x^2 + 10 f(x) x - f(x) - 10 x + 2)$$

Sequence: A086927
Score: 6.60656
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) + a(n), a(0) = 2, a(1) = 10\}$$

Sequence: A086928
Score: 10.6697
Type of gen. func.: ogf

$$\frac{2 (6 x - 1)}{x^2 + 12 x - 1}$$

Sequence: A086928
Score: 13.6151
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^2-x-3)}{(6\,x-1)\,(x^2+12\,x-1)}$$

Sequence: A086928
Score: 5.39224
Type of gen. func.: ogf

$$(5365\,f(x)-8138)\,(f(x)\,x^2+12\,f(x)\,x-f(x)-12\,x+2)$$

Sequence: A086928
Score: 5.96998
Type of gen. func.: ogf

{-a(n + 2) + 12 a(n + 1) + a(n), a(0) = 2, a(1) = 12}

Sequence: A086940
Score: 10.9787
Type of gen. func.: revogf

$$-\frac{-16-11\,x+(81\,x^2+432\,x+256)^{1/2}}{20\,(x-2)}$$

Sequence: A086940
Score: 10.9859
Type of gen. func.: ogf

$$\frac{4\,(5\,x+4)}{(x-1)\,(10\,x-1)}$$

Sequence: A086940
Score: 12.8531
Type of gen. func.: lgdogf

$$-\frac{50 x^2 + 80 x - 49}{(x - 1) (5 x + 4) (10 x - 1)}$$

Sequence: A086940
Score: 6.18747
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 16, a(1) = 196\}$$

Sequence: A086940
Score: 7.2358
Type of gen. func.: ogf

$$(459 f(x) + 2260) (10 f(x) x^2 - 11 f(x) x + f(x) - 20 x - 16)$$

Sequence: A086941
Score: 10.9859
Type of gen. func.: ogf

$$\frac{6 (5 x + 4)}{(x - 1) (10 x - 1)}$$

Sequence: A086941
Score: 11.2123
Type of gen. func.: revogf

$$-\frac{-24 - 11 x + 3 (9 x^2 + 72 x + 64)^{1/2}}{20 (x - 3)}$$

Sequence: A086941
Score: 12.8531
Type of gen. func.: lgdogf

$$-\frac{50 x^2 + 80 x - 49}{(x - 1) (5 x + 4) (10 x - 1)}$$

Sequence: A086941
Score: 5.72671
Type of gen. func.: ogf

$$(153 f(x) + 1130) (10 f(x) x^2 - 11 f(x) x + f(x) - 30 x - 24)$$

Sequence: A086941
Score: 6.18747
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 24, a(1) = 294\}$$

Sequence: A086942
Score: 10.7546
Type of gen. func.: revogf

$$-\frac{-32 - 11 x + (81 x^2 + 864 x + 1024)^{1/2}}{20 (-4 + x)}$$

Sequence: A086942
Score: 10.9859
Type of gen. func.: ogf

$$\frac{8 (5 x + 4)}{(x - 1) (10 x - 1)}$$

Sequence: A086942
Score: 12.8531
Type of gen. func.: lgdogf

$$-\frac{50 x^2 + 80 x - 49}{(x - 1) (5 x + 4) (10 x - 1)}$$

Sequence: A086942
Score: 6.18747
Type of gen. func.: ogf

$$\{-a(n+2) + 11\, a(n+1) - 10\, a(n),\ a(0) = 32,\ a(1) = 392\}$$

Sequence: A086942
Score: 7.2358
Type of gen. func.: ogf

$$(459 f(x) + 4520) (10 f(x) x^2 - 11 f(x) x + f(x) - 40 x - 32)$$

Sequence: A086943
Score: 10.9787
Type of gen. func.: revogf

$$-\frac{-23 - 11 x + (81 x^2 + 666 x + 529)^{1/2}}{20 (-4 + x)}$$

Sequence: A086943
Score: 10.9859
Type of gen. func.: ogf

$$\frac{40 x + 23}{(x - 1) (10 x - 1)}$$

Sequence: A086943
Score: 11.4560
Type of gen. func.: lgdogf

$$-\frac{400 x^2 + 460 x - 293}{(x - 1) (40 x + 23) (10 x - 1)}$$

Sequence: A086943
Score: 5.6074
Type of gen. func.: ogf

$$(2763 f(x) + 22300) (10 f(x) x^2 - 11 f(x) x + f(x) - 40 x - 23)$$

Sequence: A086943
Score: 6.18747
Type of gen. func.: ogf

$$\{-a(n+2) + 11\, a(n+1) - 10\, a(n),\ a(0) = 23,\ a(1) = 293\}$$

Sequence: A086944
Score: 10.9787
Type of gen. func.: revogf

$$-\frac{-42 - 11\, x + 3\, ((9\, x + 98)\, (x + 2))^{1/2}}{20\, (x - 3)}$$

Sequence: A086944
Score: 10.9859
Type of gen. func.: ogf

$$\frac{6\, (5\, x + 7)}{(x - 1)\, (10\, x - 1)}$$

Sequence: A086944
Score: 12.2553
Type of gen. func.: lgdogf

$$-\frac{2\, (25\, x^2 + 70\, x - 41)}{(x - 1)\, (5\, x + 7)\, (10\, x - 1)}$$

Sequence: A086944
Score: 5.72671
Type of gen. func.: ogf

$$(127\, f(x) + 1390)\, (10\, f(x)\, x^2 - 11\, f(x)\, x + f(x) - 30\, x - 42)$$

Sequence: A086944
Score: 6.18747
Type of gen. func.: ogf

$$\{-a(n+2) + 11\, a(n+1) - 10\, a(n),\ a(0) = 42,\ a(1) = 492\}$$

Sequence: A086945
Score: 10.5395
Type of gen. func.: revogf

$$-\frac{-61 - 11 x + (81 x^2 + 1422 x + 3721)^{1/2}}{20 (x - 2)}$$

Sequence: A086945
Score: 10.9859
Type of gen. func.: ogf

$$\frac{20 x + 61}{(x - 1) (10 x - 1)}$$

Sequence: A086945
Score: 11.2123
Type of gen. func.: lgdogf

$$-\frac{200 x^2 + 1220 x - 691}{(x - 1) (20 x + 61) (10 x - 1)}$$

Sequence: A086945
Score: 6.18747
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 61, a(1) = 691\}$$

Sequence: A086945
Score: 7.08506
Type of gen. func.: ogf

$$(6381 f(x) + 88240) (10 f(x) x^2 - 11 f(x) x + f(x) - 20 x - 61)$$

Sequence: A086946
Score: 10.9787

Type of gen. func.: revogf

$$-\frac{-14 - 11 x + (81 x^2 + 468 x + 196)^{1/2}}{20 (-4 + x)}$$

Sequence: A086946
Score: 10.9859
Type of gen. func.: ogf

$$\frac{2 (20 x + 7)}{(x - 1) (10 x - 1)}$$

Sequence: A086946
Score: 11.9768
Type of gen. func.: lgdogf

$$-\frac{200 x^2 + 140 x - 97}{(x - 1) (20 x + 7) (10 x - 1)}$$

Sequence: A086946
Score: 6.18747
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 14, a(1) = 194\}$$

Sequence: A086946
Score: 8.06298
Type of gen. func.: ogf

$$(927 f(x) + 5840) (10 f(x) x^2 - 11 f(x) x + f(x) - 40 x - 14)$$

Sequence: A086947
Score: 10.9859
Type of gen. func.: ogf

$$\frac{3 (20 x + 7)}{(x - 1) (10 x - 1)}$$

Sequence: A086947
Score: 11.2123
Type of gen. func.: revogf

$$-\frac{-21 - 11 x + 3 (9 x^2 + 78 x + 49)^{1/2}}{20 (-6 + x)}$$

Sequence: A086947
Score: 11.9768
Type of gen. func.: lgdogf

$$-\frac{200 x^2 + 140 x - 97}{(x - 1) (20 x + 7) (10 x - 1)}$$

Sequence: A086947
Score: 5.72671
Type of gen. func.: ogf

$$(309 f(x) + 2920) (10 f(x) x^2 - 11 f(x) x + f(x) - 60 x - 21)$$

Sequence: A086947
Score: 6.18747
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 21, a(1) = 291\}$$

Sequence: A086948
Score: 10.9859
Type of gen. func.: ogf

$$\frac{12 (5 x + 1)}{(x - 1) (10 x - 1)}$$

Sequence: A086948
Score: 11.2123
Type of gen. func.: revogf

$$-\frac{-12 - 11 x + 3 (9 x^2 + 56 x + 16)^{1/2}}{20 (-6 + x)}$$

Sequence: A086948
Score: 12.8531
Type of gen. func.: lgdogf

$$-\frac{2 (5 x + 4) (5 x - 2)}{(x - 1) (5 x + 1) (10 x - 1)}$$

Sequence: A086948
Score: 5.6074
Type of gen. func.: ogf

$$(2083 f(x) + 40540) (10 f(x) x^2 - 11 f(x) x + f(x) - 60 x - 12)$$

Sequence: A086948
Score: 6.18747
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 12, a(1) = 192\}$$

Sequence: A086949
Score: 10.5395
Type of gen. func.: revogf

$$-\frac{-41 - 11 x + (81 x^2 + 1062 x + 1681)^{1/2}}{20 (-4 + x)}$$

Sequence: A086949
Score: 10.9859
Type of gen. func.: ogf

$$\frac{40 x + 41}{(x - 1) (10 x - 1)}$$

Sequence: A086949
Score: 11.4560
Type of gen. func.: lgdogf

$$-\frac{400 x^{2} + 820 x - 491}{(x - 1) (40 x + 41) (10 x - 1)}$$

Sequence: A086949
Score: 6.18747
Type of gen. func.: ogf

{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 41, a(1) = 491}

Sequence: A086949
Score: 7.895
Type of gen. func.: ogf

$$(4581 f(x) + 53260) (10 f(x) x^{2} - 11 f(x) x + f(x) - 40 x - 41)$$

Sequence: A086950
Score: 11.3650
Type of gen. func.: ogf

$$-\frac{x (1 + 6 x)}{(2 x - 1)^{3}}$$

Sequence: A086950
Score: 24.0474
Type of gen. func.: lgdogf

$$-\frac{12 (2 x + 1)}{(1 + 6 x) (2 x - 1)}$$

Sequence: A086950
Score: 5.83335
Type of gen. func.: ogf

$\{a(n + 3) - 6 a(n + 2) + 12 a(n + 1) - 8 a(n), a(0) = 0, a(1) = 1, a(2) = 12\}$

Sequence: A086950
Score: 6.86004
Type of gen. func.: ogf

$$-(2144 f(x) - 1365) (8 f(x) x^3 - 12 f(x) x^2 + 6 f(x) x + 6 x^2 - f(x) + x)$$

Sequence: A086951
Score: 11.1501
Type of gen. func.: ogf

$$-\frac{x (5 x + 1)}{(3 x - 1)^3}$$

Sequence: A086951
Score: 24.0119
Type of gen. func.: lgdogf

$$-\frac{2 (7 + 15 x)}{(5 x + 1) (3 x - 1)}$$

Sequence: A086951
Score: 5.77067
Type of gen. func.: ogf

$\{a(n + 3) - 9 a(n + 2) + 27 a(n + 1) - 27 a(n), a(0) = 0, a(1) = 1, a(2) = 14\}$

Sequence: A086951
Score: 6.46189
Type of gen. func.: ogf

$$-(25920 f(x) - 7469) (27 f(x) x^3 - 27 f(x) x^2 + 9 f(x) x + 5 x^2 - f(x) + x)$$

Sequence: A086952
Score: 20.8606

Type of gen. func.: lgdogf

$$- \frac{16 (2 x + 1)}{(-1 + 4 x) (1 + 4 x)}$$

Sequence: A086952
Score: 4.97713
Type of gen. func.: ogf

$$\{a(n + 3) - 12 a(n + 2) + 48 a(n + 1) - 64 a(n), a(0) = 0, a(1) = 1, a(2) = 16\}$$

Sequence: A086952
Score: 7.42371
Type of gen. func.: ogf

$$(16 f(x) + 1) (64 f(x) x^{3} - 48 f(x) x^{2} + 12 f(x) x + 4 x^{2} - f(x) + x)$$

Sequence: A086952
Score: 9.53950
Type of gen. func.: ogf

$$- \frac{x (1 + 4 x)}{(-1 + 4 x)^{3}}$$

Sequence: A086953
Score: 12.7060
Type of gen. func.: ogf

$$- \frac{3 x^{2} - 3 x + 1}{(2 x - 1) (x^{2} - x + 1)}$$

Sequence: A086953
Score: 16.6947
Type of gen. func.: lgdogf

$$- \frac{6 x^{2} (x - 1)^{2}}{}$$

$$(2x - 1)(x^2 - x + 1)(3x^2 - 3x + 1)$$

Sequence: A086953
Score: 7.04605
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$$

Sequence: A086953
Score: 8.70861
Type of gen. func.: ogf

$$-2 f(x) x^3 + 3 f(x) x^2 - 3 f(x) x - 3 x^2 + f(x) + 3 x - 1$$

Sequence: A086954
Score: 3.43504
Type of gen. func.: ogf

$$\{(6 n + 28) a(n + 1) + (-9 n - 39) a(n + 2) + (9 n + 39) a(n + 3) + (-3 n - 11) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 14\}$$

Sequence: A086954
Score: 4.86228
Type of gen. func.: ogf

$$(180 f(x) + 3731) (4 f(x) x^4 - 8 f(x) x^3 + 9 f(x) x^2 + 5 x^3 - 5 f(x) x - 8 x^2 + f(x) + 4 x - 1)$$

Sequence: A086954
Score: 8.96681
Type of gen. func.: ogf

$$-\frac{(x - 1)(5 x^2 - 3 x + 1)}{(x^2 - x + 1)(2 x - 1)^2}$$

Sequence: A086954
Score: 9.66913
Type of gen. func.: lgdogf

$$-\frac{10 x^{5} - 27 x^{4} + 20 x^{3} - 5 x^{2} - 1}{(x - 1) (2 x - 1) (x^{2} - x + 1) (5 x^{2} - 3 x + 1)}$$

Sequence: A086955
Score: 11.9061
Type of gen. func.: ogf

$$-\frac{2 x^{3} - 3 x^{2} + 4 x + 1}{(x + 1) (x - 1)^{3}}$$

Sequence: A086955
Score: 14.3906
Type of gen. func.: lgdogf

$$-\frac{2 (x^{4} - x^{3} + 6 x^{2} + 3 x + 3)}{(x - 1) (x + 1) (2 x^{3} - 3 x^{2} + 4 x + 1)}$$

Sequence: A086955
Score: 6.4687
Type of gen. func.: ogf

$$-(121 f(x) - 175)$$

$$(f(x) x^{4} - 2 f(x) x^{3} + 2 x^{3} + 2 f(x) x - 3 x^{2} - f(x) + 4 x + 1)$$

Sequence: A086970
Score: 11.4389
Type of gen. func.: ogf

$$\frac{2 x^{3} - 3 x^{2} + 4 x + 1}{\qquad\qquad^{2}}$$

$$(x + 1) (x - 1)$$

Sequence: A086970
Score: 15.7723
Type of gen. func.: lgdogf

$$\frac{x^3 - 11 x^2 - x - 5}{(x - 1) (x + 1) (2 x^3 - 3 x^2 + 4 x + 1)}$$

Sequence: A086970
Score: 5.97945
Type of gen. func.: ogf

$\{-a(n + 4) + a(n + 3) + a(n + 2) - a(n + 1), a(0) = 1, a(1) = 5, a(2) = 3,$

$a(3) = 9\}$

Sequence: A086970
Score: 6.3143
Type of gen. func.: ogf

$$-(35 f(x) + 82) (f(x) x^3 - f(x) x^2 - 2 x^3 - f(x) x + 3 x^2 + f(x) - 4 x - 1)$$

Sequence: A086972
Score: 10.2277
Type of gen. func.: ogf

$$- \frac{5 x^2 - 4 x + 1}{(x - 1) (3 x - 1)^2}$$

Sequence: A086972
Score: 12.1813
Type of gen. func.: lgdogf

$$- \frac{(-3 + 5 x) (3 x^2 - 2 x + 1)}{(x - 1) (3 x - 1) (5 x^2 - 4 x + 1)}$$

Sequence: A086972
Score: 5.56245
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 15 a(n + 1) - 9 a(n), a(0) = 1, a(1) = 3, a(2) = 11\}$$

Sequence: A086972
Score: 5.61167
Type of gen. func.: ogf

$$(6 f(x) - 17) (9 f(x) x^3 - 15 f(x) x^2 + 7 f(x) x + 5 x^2 - f(x) - 4 x + 1)$$

Sequence: A086984
Score: 4.97797
Type of gen. func.: egf]

$$\frac{14 x^4 - 19 x^3 + 9 x^2 - 3 x + 1}{(2 x - 1)^3 (x - 1)^3}$$

Sequence: A086990
Score: 11.0198
Type of gen. func.: lgdogf

$$- \frac{x - 1 + 3 x (4 x^2 + 1)^{1/2} + (4 x^2 + 1)^{1/2}}{(3 x + 2) (4 x^2 + 1)^{1/2} x}$$

Sequence: A086990
Score: 28.8209
Type of gen. func.: revogf

$$- \frac{x (2 x - 1)}{(3 x - 1) (x - 1)}$$

Sequence: A086990
Score: 4.34238
Type of gen. func.: ogf

$$\{-12\, a(n)\, n - 8\, a(n + 1)\, n + (-3 n - 9)\, a(n + 2) + (-2 n - 6)\, a(n + 3),$$

$$a(0) = 0,\ a(1) = 1,\ a(2) = -2\}$$

Sequence: A086990
Score: 9.51752
Type of gen. func.: ogf

$$-3\, f(x)^2\, x - 2\, f(x)^2 + 4\, f(x)\, x + f(x) - x$$

Sequence: A087009
Score: 13.9058
Type of gen. func.: ogf

$$\frac{2 x^4 - 2 x^2 + 2 x - 1}{2 x - 1}$$

Sequence: A087009
Score: 14.8251
Type of gen. func.: lgdogf

$$\frac{4 x (3 x^3 - 2 x^2 - x + 1)}{(2 x - 1) (2 x^4 - 2 x^2 + 2 x - 1)}$$

Sequence: A087009
Score: 6.88793
Type of gen. func.: ogf

$$\{-a(n + 5) + 2\, a(n + 4),\ a(0) = 1,\ a(1) = 0,\ a(2) = 2,\ a(3) = 4,\ a(4) = 6\}$$

Sequence: A087009
Score: 8.87963
Type of gen. func.: ogf

4 2

$$(f(x) - 1) (-2 x + 2 f(x) x + 2 x - f(x) - 2 x + 1)$$

Sequence: A087035
Score: 8.65044
Type of gen. func.: ogf

$$- \frac{x^3 - 3 x^2 - x - 1}{(x + 1) (x - 1)^4}$$

Sequence: A087047
Score: 4.21756
Type of gen. func.: ogf

$$\{(-n^3 - 12 n^2 - 47 n - 60) a(n + 1) + 6 a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A087076
Score: 10.1783
Type of gen. func.: ogf

$$\frac{x (2 x + 1)}{(2 x - 1)^4}$$

Sequence: A087076
Score: 26.2400
Type of gen. func.: lgdogf

$$- \frac{2 (5 + 6 x)}{(2 x - 1) (2 x + 1)}$$

Sequence: A087076
Score: 5.0154
Type of gen. func.: ogf

$$-(4288 f(x) + 1793)$$

$$(16 f(x) x^4 - 32 f(x) x^3 + 24 f(x) x^2 - 8 f(x) x - 2 x^2 + f(x) - x)$$

Sequence: A087076
Score: 5.08916
Type of gen. func.: ogf

$$\{(n + 2)\, a(n + 3) - 10\, a(n + 2) + (-12 - 4\, n)\, a(n + 1),\ a(0) = 0,\ a(1) = 1,\ a(2) = 10\}$$

Sequence: A087098
Score: 6.96406
Type of gen. func.: ogf

$$-\frac{x\,(22\,x^3 + x^2 - 11\,x - 1)}{(2\,x^2 - 1)\,(x + 1)^2\,(x - 1)^3}$$

Sequence: A087098
Score: 8.34190
Type of gen. func.: lgdogf

$$-\frac{176\,x^6 + 54\,x^5 - 130\,x^4 - 61\,x^3 - 3\,x^2 + 18\,x + 12}{(x - 1)\,(x + 1)\,(2\,x^2 - 1)\,(22\,x^3 + x^2 - 11\,x - 1)}$$

Sequence: A087099
Score: 14.2976
Type of gen. func.: lgdogf

$$-\frac{2\,x^4 + 4\,x^3 + 12\,x^2 + 9\,x + 3}{(x - 1)\,(x + 1)\,(x^3 + x^2 + 2\,x + 1)}$$

Sequence: A087099
Score: 9.43639
Type of gen. func.: ogf

$$-\frac{x^3 + x^2 + 2\,x + 1}{(x + 1)^2\,(x - 1)^3}$$

Sequence: A087100
Score: 9.04338
Type of gen. func.: lgdogf

$$-\frac{132 x^6 + 8 x^5 - 88 x^4 - 14 x^3 - 11 x^2 + 6 x + 11}{(x - 1) (x + 1) (2 x^2 - 1) (22 x^3 + x^2 - 11 x - 1)}$$

Sequence: A087100
Score: 9.99090
Type of gen. func.: ogf

$$\frac{x (22 x^3 + x^2 - 11 x - 1)}{(2 x^2 - 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A087113
Score: 23.6588
Type of gen. func.: lgdogf

$$-\frac{2}{x - 1}$$

Sequence: A087113
Score: 3.82444
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 2$$

Sequence: A087113
Score: 6.83764
Type of gen. func.: ogf

$$\frac{2}{(x - 1)^2}$$

Sequence: A087113
Score: 9.25780
Type of gen. func.: revogf

$$\frac{2 x}{(1 + (2 x + 1)^{1/2})^2}$$

Sequence: A087120
Score: 10.0386
Type of gen. func.: lgdogf

$$\frac{2 x (16 x^3 - 40 x^2 + 37 x - 10)}{(x - 1) (-1 + 4 x) (8 x^3 - 14 x^2 + 5 x - 1)}$$

Sequence: A087120
Score: 10.3543
Type of gen. func.: ogf

$$- \frac{8 x^3 - 14 x^2 + 5 x - 1}{(-1 + 4 x) (x - 1)}$$

Sequence: A087120
Score: 5.58231
Type of gen. func.: ogf

{a(n + 4) - 5 a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 0, a(2) = 10, a(3) = 42}

Sequence: A087120
Score: 6.05629
Type of gen. func.: ogf

$$-(f(x) - 1) (4 f(x) x^2 + 8 x^3 - 5 f(x) x - 14 x^2 + f(x) + 5 x - 1)$$

Sequence: A087123
Score: 10.0995

Type of gen. func.: lgdogf

$$-\frac{x^6 + 4 x^5 - 3 x^4 - 4 x^3 + 3 x^2 + 2 x + 2}{(x - 1) (x^2 + 3 x + 1) (x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A087123
Score: 11.7234
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^2 + 3 x + 1)}{(x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A087123
Score: 7.39826
Type of gen. func.: ogf

$$(16 f(x) - 27) (f(x) x^4 - 3 f(x) x^2 + x^3 + 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A087124
Score: 4.82928
Type of gen. func.: ogf

$(22 f(x) + 5)$

$$(f(x) x^4 - 2 f(x) x^3 - 3 f(x) x^2 + 2 x^3 + 4 f(x) x - 3 x^2 - f(x) - x + 1)$$

Sequence: A087124
Score: 8.16389
Type of gen. func.: lgdogf

$$-\frac{2 x^6 - 6 x^5 + 9 x^4 - 8 x^3 + 15 x^2 - 12 x + 3}{(2 x - 1) (x^2 - 3 x + 1) (x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A087124
Score: 8.65506

Type of gen. func.: ogf

$$-\frac{(2x-1)(x^2-x-1)}{(x^2-3x+1)(x^2+x-1)}$$

Sequence: A087125
Score: 10.0868
Type of gen. func.: lgdogf

$$-\frac{2(x^3-13x^2+55x-27)}{(-5+x)(x-1)(x^2-10x+1)}$$

Sequence: A087125
Score: 12.0749
Type of gen. func.: ogf

$$\frac{x(-5+x)}{(x-1)(x^2-10x+1)}$$

Sequence: A087125
Score: 6.24928
Type of gen. func.: ogf

$\{-a(n+3)+11a(n+2)-11a(n+1)+a(n), a(0)=0, a(1)=5, a(2)=54\}$

Sequence: A087125
Score: 6.78494
Type of gen. func.: ogf

$$-f(x)(f(x)x^3-11f(x)x^2+11f(x)x-x^2-f(x)+5x)$$

Sequence: A087130
Score: 12.5840
Type of gen. func.: ogf

$$5x-2$$

$$\overline{x^2 + 5 x - 1}$$

Sequence: A087130
Score: 15.8315
Type of gen. func.: lgdogf

$$-\frac{5 x^2 - 4 x - 5}{(5 x - 2) (x^2 + 5 x - 1)}$$

Sequence: A087130
Score: 6.22287
Type of gen. func.: ogf

$$-(29 f(x) - 33) (f(x) x^2 + 5 f(x) x - f(x) - 5 x + 2)$$

Sequence: A087130
Score: 6.90587
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + a(n), a(0) = 2, a(1) = 5\}$$

Sequence: A087131
Score: 14.0915
Type of gen. func.: ogf

$$\frac{2 (x - 1)}{4 x^2 + 2 x - 1}$$

Sequence: A087131
Score: 17.7498
Type of gen. func.: lgdogf

$$-\frac{4 x^2 - 8 x - 1}{(x - 1) (4 x^2 + 2 x - 1)}$$

Sequence: A087131
Score: 7.28872
Type of gen. func.: ogf

$$(20 f(x) - 39) (4 f(x) x^2 + 2 f(x) x - f(x) - 2 x + 2)$$

Sequence: A087131
Score: 7.73316
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 4 a(n), a(0) = 2, a(1) = 2\}$$

Sequence: A087137
Score: 3.56375
Type of gen. func.: ogf

$$\{(n^3 + 7 n^2 + 16 n + 12) a(n + 1) + (-n^2 - 6 n - 9) a(n + 2)$$
$$+ (-n - 3) a(n + 3) + a(n + 4), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 6\}$$

Sequence: A087137
Score: 6.70248
Type of gen. func.: egf]

$$x^3 f(x)^2 - f(x)^2 x^2 - f(x)^2 x + 2 f(x) x^2 + f(x)^2 - 2 f(x) + 2 x$$

Sequence: A087138
Score: 34.3444
Type of gen. func.: revegf]

$$-1 + \exp(-x (x - 1))$$

Sequence: A087152
Score: 30.8320
Type of gen. func.: revegf]

$$-1 + \exp\left(\frac{x}{\quad}\right)$$

$$(x + 1)^2$$

Sequence: A087156
Score: 11.4472
Type of gen. func.: ogf

$$-f(x) (f(x) x^2 - 2 f(x) x + x^2 + f(x) - 2 x)$$

Sequence: A087156
Score: 19.8574
Type of gen. func.: ogf

$$- \frac{x (x - 2)}{(x - 1)^2}$$

Sequence: A087156
Score: 33.1028
Type of gen. func.: revogf

$$\frac{x}{(x + 1)^{1/2} (1 + (x + 1)^{1/2})}$$

Sequence: A087156
Score: 53.3323
Type of gen. func.: lgdogf

$$- \frac{x - 3}{(x - 1) (x - 2)}$$

Sequence: A087156
Score: 9.63379
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n + 1), a(0) = 0, a(1) = 2, a(2) = 3\}$$

Sequence: A087161
Score: 12.0488
Type of gen. func.: lgdogf

$$-\frac{2\,(6\,x^{3}-12\,x^{2}+6\,x-1)}{(x-1)\,(3\,x-1)\,(2\,x^{2}-4\,x+1)}$$

Sequence: A087161
Score: 12.2947
Type of gen. func.: ogf

$$\frac{3\,x-1}{(x-1)\,(2\,x^{2}-4\,x+1)}$$

Sequence: A087161
Score: 5.81804
Type of gen. func.: ogf

$$\{a(n+3)-5\,a(n+2)+6\,a(n+1)-2\,a(n),\ a(0)=1,\ a(1)=2,\ a(2)=4\}$$

Sequence: A087161
Score: 6.2059
Type of gen. func.: ogf

$$(15\,f(x)+13)\,(2\,f(x)\,x^{3}-6\,f(x)\,x^{2}+5\,f(x)\,x-f(x)-3\,x+1)$$

Sequence: A087164
Score: 2.65664
Type of gen. func.: ogf

$$-(13\,f(x)+34)$$

$$(3\,f(x)\,x^{3}-x^{4}-8\,f(x)\,x^{2}+2\,x^{3}+6\,f(x)\,x-x^{2}-f(x)-4\,x+1)$$

Sequence: A087164
Score: 4.58874
Type of gen. func.: ogf

$$\frac{x^4 - 2 x^3 + x^2 + 4 x - 1}{(x - 1) (3 x^2 - 5 x + 1)}$$

Sequence: A087168
Score: 16.6131
Type of gen. func.: ogf

$$\frac{2 x + 1}{4 x^2 + 3 x + 1}$$

Sequence: A087168
Score: 19.0591
Type of gen. func.: revogf

$$- \frac{-1 + 3 x + (-7 x^2 + 2 x + 1)^{1/2}}{4 (2 x - 1)}$$

Sequence: A087168
Score: 22.2357
Type of gen. func.: lgdogf

$$- \frac{8 x^2 + 8 x + 1}{(2 x + 1) (4 x^2 + 3 x + 1)}$$

Sequence: A087168
Score: 8.79516
Type of gen. func.: ogf

$$(5 f(x) - 6) (4 f(x) x^2 + 3 f(x) x + f(x) - 2 x - 1)$$

Sequence: A087168
Score: 9.11693
Type of gen. func.: ogf

$$\{-a(n + 2) - 3 a(n + 1) - 4 a(n), a(0) = 1, a(1) = -1\}$$

Sequence: A087169
Score: 17.4351
Type of gen. func.: ogf

$$\frac{3 x + 1}{9 x^2 + 5 x + 1}$$

Sequence: A087169
Score: 19.0292
Type of gen. func.: revogf

$$- \frac{5 x - 1 + (-11 x^2 + 2 x + 1)^{1/2}}{6 (3 x - 1)}$$

Sequence: A087169
Score: 21.5330
Type of gen. func.: lgdogf

$$- \frac{27 x^2 + 18 x + 2}{(3 x + 1) (9 x^2 + 5 x + 1)}$$

Sequence: A087169
Score: 9.23035
Type of gen. func.: ogf

$$(5 f(x) - 6) (9 f(x) x^2 + 5 f(x) x + f(x) - 3 x - 1)$$

Sequence: A087169
Score: 9.56806
Type of gen. func.: ogf

$$\{a(n + 2) + 5 a(n + 1) + 9 a(n), a(0) = 1, a(1) = -2\}$$

Sequence: A087170
Score: 16.3613
Type of gen. func.: ogf

$$\frac{1 + 4 x}{16 x^2 + 7 x + 1}$$

Sequence: A087170
Score: 16.6371
Type of gen. func.: revogf

$$- \frac{7 x - 1 + (-(5 x + 1) (3 x - 1))^{1/2}}{8 (-1 + 4 x)}$$

Sequence: A087170
Score: 20.0498
Type of gen. func.: lgdogf

$$- \frac{(8 x + 3) (1 + 8 x)}{(1 + 4 x) (16 x^2 + 7 x + 1)}$$

Sequence: A087170
Score: 8.18066
Type of gen. func.: ogf

$$-(11 f(x) - 20) (16 f(x) x^2 + 7 f(x) x + f(x) - 4 x - 1)$$

Sequence: A087170
Score: 9.06772
Type of gen. func.: ogf

$$\{a(n + 2) + 7 a(n + 1) + 16 a(n), a(0) = 1, a(1) = -3\}$$

Sequence: A087171
Score: 15.5448
Type of gen. func.: ogf

$$5 x + 1$$

$$\overline{25 x^2 + 9 x + 1}$$

Sequence: A087171
Score: 17.0728
Type of gen. func.: revogf

$$-\frac{-1 + 9 x + (-19 x^2 + 2 x + 1)^{1/2}}{10 (5 x - 1)}$$

Sequence: A087171
Score: 18.3532
Type of gen. func.: lgdogf

$$-\frac{125 x^2 + 50 x + 4}{(5 x + 1) (25 x^2 + 9 x + 1)}$$

Sequence: A087171
Score: 7.85783
Type of gen. func.: ogf

$$-(7 f(x) - 15) (25 f(x) x^2 + 9 f(x) x + f(x) - 5 x - 1)$$

Sequence: A087171
Score: 8.61519
Type of gen. func.: ogf

$$\{a(n + 2) + 9 a(n + 1) + 25 a(n), a(0) = 1, a(1) = -4\}$$

Sequence: A087204
Score: 11.6752
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 1\}$$

Sequence: A087204
Score: 15.1963
Type of gen. func.: ogf

$$-f(x) x^2 + f(x) x - f(x) - x + 2$$

Sequence: A087204
Score: 21.2749
Type of gen. func.: ogf

$$-\frac{x - 2}{x^2 - x + 1}$$

Sequence: A087204
Score: 41.9551
Type of gen. func.: lgdogf

$$-\frac{x^2 - 4 x + 1}{(x - 2) (x^2 - x + 1)}$$

Sequence: A087205
Score: 14.6482
Type of gen. func.: ogf

$$-\frac{1 + 4 x}{4 x^2 - 2 x - 1}$$

Sequence: A087205
Score: 16.0193
Type of gen. func.: revogf

$$\frac{-1 + 2 x + ((2 x + 1) (10 x + 1))^{1/2}}{8 (x + 1)}$$

Sequence: A087205
Score: 18.1271

Type of gen. func.: lgdogf

$$-\frac{2\,(8\,x^2+4\,x+1)}{(1+4\,x)\,(4\,x^2-2\,x-1)}$$

Sequence: A087205
Score: 7.40638
Type of gen. func.: ogf

$$-(f(x)-1)\,(4\,f(x)\,x^2-2\,f(x)\,x-f(x)+4\,x+1)$$

Sequence: A087205
Score: 8.03863
Type of gen. func.: ogf

$$\{a(n+2)+2\,a(n+1)-4\,a(n),\ a(0)=1,\ a(1)=2\}$$

Sequence: A087206
Score: 13.8054
Type of gen. func.: revogf

$$\frac{-2\,x-1+((2\,x+1)\,(10\,x+1))^{1/2}}{4\,(2\,x+1)}$$

Sequence: A087206
Score: 14.0915
Type of gen. func.: ogf

$$-\frac{2\,x+1}{4\,x^2+2\,x-1}$$

Sequence: A087206
Score: 16.3485
Type of gen. func.: lgdogf

$$4\,(2\,x^2+2\,x+1)$$

$$- \frac{}{(2 x + 1) (4 x^2 + 2 x - 1)}$$

Sequence: A087206
Score: 7.04576
Type of gen. func.: ogf

$$-(13 f(x) + 3) (4 f(x) x^2 + 2 f(x) x - f(x) + 2 x + 1)$$

Sequence: A087206
Score: 7.73316
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A087208
Score: 23.0166
Type of gen. func.: lgdegf]

$$\frac{x^2 - 2 x - 1}{(x - 1) (x + 1)}$$

Sequence: A087208
Score: 3.24636
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) + (-n^2 - 7 n - 12) a(n + 2) + a(n + 4) - a(n + 3),$$
$$a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 7\}$$

Sequence: A087211
Score: 4.95615
Type of gen. func.: ogf

$$\{a(n + 4) - 4 a(n + 3) + a(n + 2) + 6 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 4,$$
$$a(3) = 12\}$$

Sequence: A087211
Score: 5.35908
Type of gen. func.: ogf

$$-(f(x) + 1) (6 f(x) x^3 + f(x) x^2 - 4 x^3 - 4 f(x) x + 3 x^2 + f(x) + 2 x - 1)$$

Sequence: A087211
Score: 9.36210
Type of gen. func.: lgdogf

$$\frac{2 (11 x^4 - 4 x^3 + 4 x^2 - 4 x + 1)}{(x - 1) (3 x - 1) (2 x - 1) (x + 1) (4 x^2 + x - 1)}$$

Sequence: A087211
Score: 9.55316
Type of gen. func.: ogf

$$\frac{(x - 1) (4 x^2 + x - 1)}{(3 x - 1) (2 x - 1) (x + 1)}$$

Sequence: A087213
Score: 12.1399
Type of gen. func.: ogf

$$\frac{4 x^2 - x - 1}{(2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A087213
Score: 13.7270
Type of gen. func.: lgdogf

$$- \frac{4 x^2 (4 x^2 - 2 x - 3)}{(2 x + 1) (2 x - 1) (x + 1) (4 x^2 - x - 1)}$$

Sequence: A087213
Score: 6.67149
Type of gen. func.: ogf

$$(f(x) - 1) (4 f(x) x^3 + 4 f(x) x^2 - f(x) x - 4 x^2 - f(x) + x + 1)$$

Sequence: A087213
Score: 6.73215
Type of gen. func.: ogf

$$\{a(n + 3) + a(n + 2) - 4 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$$

Sequence: A087214
Score: 11.0956
Type of gen. func.: lgdegf]

$$-2 - 2 x + x^2 + (-2 x^2 + 2 x + 4) f(x) + (x^2 - 2) f(x)^2$$

Sequence: A087214
Score: 3.98573
Type of gen. func.: ogf

$$\{(-n^2 - 5 n - 6) a(n + 1) + (n^2 + 7 n + 12) a(n + 2) - 2 a(n + 4) + 2 a(n + 3),$$
$$a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 4\}$$

Sequence: A087215
Score: 13.7754
Type of gen. func.: ogf

$$- \frac{2 (9 x - 1)}{x^2 - 18 x + 1}$$

Sequence: A087215
Score: 13.8630
Type of gen. func.: lgdogf

$$- \frac{9 x^2 - 2 x + 9}{}$$

$$(9 x - 1) (x^{2} - 18 x + 1)$$

Sequence: A087215
Score: 6.96176
Type of gen. func.: ogf

$$-(80 f(x) - 79) (f(x) x^{2} - 18 f(x) x + f(x) + 18 x - 2)$$

Sequence: A087215
Score: 7.70765
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1) + a(n), a(0) = 2, a(1) = 18\}$$

Sequence: A087216
Score: 4.07191
Type of gen. func.: ogf

$$\{(-216 n^{2} - 648 n - 462) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 30\}$$

Sequence: A087221
Score: 19.7091
Type of gen. func.: ogf

$$- 1/((x + 1) (x^{15} - x^{14} + x^{13} - x^{12} + x^{11} - x^{10} + x^{9} - x^{8} + x^{7} - x^{6} + x^{5} - x^{4} + 2 x^{3} - 2 x^{2} + 2 x - 1))$$

Sequence: A087221
Score: 8.28961
Type of gen. func.: lgdogf

$$- (16 x^{15} + 4 x^{3} + 1) / ((x + 1) (x^{15} - x^{14} + x^{13} - x^{12} + x^{11} - x^{10} + x^{9} - x^{8} + x^{7} - x^{6} + x^{5} - x^{4} + 2 x^{3} - 2 x^{2} + 2 x - 1))$$

Sequence: A087231
Score: 5.37466
Type of gen. func.: ogf

$$\{a(n + 5) - a(n + 4) - 4 a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 4, a(2) = 6, a(3) = 2, a(4) = 26\}$$

Sequence: A087231
Score: 5.68851
Type of gen. func.: ogf

$$-(122 f(x) - 243) (4 f(x) x^3 - 16 x^4 - 4 f(x) x^2 + 16 x^3 - f(x) x + 2 x^2 + f(x) - 3 x - 1)$$

Sequence: A087231
Score: 9.86489
Type of gen. func.: ogf

$$\frac{16 x^4 - 16 x^3 - 2 x^2 + 3 x + 1}{(2 x - 1) (2 x + 1) (x - 1)}$$

Sequence: A087265
Score: 11.6965
Type of gen. func.: ogf

$$- \frac{47 x - 2}{x^2 - 47 x + 1}$$

Sequence: A087265
Score: 13.4725
Type of gen. func.: revogf

$$- \frac{-2 - 47 x + (2205 x^2 + 4)^{1/2}}{2 (x + 47)}$$

Sequence: A087265
Score: 14.1816
Type of gen. func.: lgdogf

$$-\frac{47 x^2 - 4 x + 47}{(47 x - 2) (x^2 - 47 x + 1)}$$

Sequence: A087265
Score: 5.66736
Type of gen. func.: ogf

$$-(2205 f(x) - 2201) (f(x) x^2 - 47 f(x) x + f(x) + 47 x - 2)$$

Sequence: A087265
Score: 6.54445
Type of gen. func.: ogf

$$\{a(n + 2) - 47 a(n + 1) + a(n), a(0) = 2, a(1) = 47\}$$

Sequence: A087278
Score: 10.3894
Type of gen. func.: lgdogf

$$-\frac{2 (x^7 - x^6 - 2 x^5 + 4 x^4 + x^3 + 3 x^2 + 2 x + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^4 - 2 x^3 + x^2 + 1)}$$

Sequence: A087278
Score: 8.03270
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^4 - 2 x^3 + x^2 + 1)}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A087279
Score: 15.1989
Type of gen. func.: lgdogf

$$-\frac{2 x^4 - 5 x^3 + 5 x^2 + 7 x + 3}{(x - 1) (x + 1) (x^3 - 2 x^2 + x + 2)}$$

Sequence: A087279
Score: 9.35807
Type of gen. func.: ogf

$$-\frac{x (x^3 - 2 x^2 + x + 2)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A087281
Score: 15.6203
Type of gen. func.: ogf

$$\frac{29 x - 2}{x^2 + 29 x - 1}$$

Sequence: A087281
Score: 18.5280
Type of gen. func.: lgdogf

$$-\frac{29 x^2 - 4 x - 29}{(29 x - 2) (x^2 + 29 x - 1)}$$

Sequence: A087281
Score: 7.72794
Type of gen. func.: ogf

$$-(845 f(x) - 849) (f(x) x^2 + 29 f(x) x - f(x) - 29 x + 2)$$

Sequence: A087281
Score: 8.73993
Type of gen. func.: ogf

$$\{-a(n+2) + 29\, a(n+1) + a(n),\ a(0) = 2,\ a(1) = 29\}$$

Sequence: A087287
Score: 17.1801
Type of gen. func.: ogf

$$\frac{2\,(38\,x - 1)}{x^2 + 76\,x - 1}$$

Sequence: A087287
Score: 20.4136
Type of gen. func.: lgdogf

$$-\frac{2\,(19\,x^2 - x - 19)}{(38\,x - 1)\,(x^2 + 76\,x - 1)}$$

Sequence: A087287
Score: 8.32439
Type of gen. func.: ogf

$$-(1445\, f(x) - 1446)\,(f(x)\, x^2 + 76\, f(x)\, x - f(x) - 76\, x + 2)$$

Sequence: A087287
Score: 9.61268
Type of gen. func.: ogf

$$\{-a(n+2) + 76\, a(n+1) + a(n),\ a(0) = 2,\ a(1) = 76\}$$

Sequence: A087288
Score: 11.3153
Type of gen. func.: ogf

$$-\frac{2\,(x^2 + 2\,x - 2)}{(x - 1)\,(2\,x - 1)\,(x + 1)}$$

Sequence: A087288
Score: 12.0803
Type of gen. func.: lgdogf

$$-\frac{2\,(x^4 + 4\,x^3 - 6\,x^2 + x + 1)}{(x - 1)\,(2\,x - 1)\,(x + 1)\,(x^2 + 2\,x - 2)}$$

Sequence: A087288
Score: 5.89941
Type of gen. func.: ogf

$$-(17\,f(x) + 46)\,(2\,f(x)\,x^3 - f(x)\,x^2 - 2\,f(x)\,x + 2\,x^2 + f(x) + 4\,x - 4)$$

Sequence: A087288
Score: 6.10825
Type of gen. func.: ogf

$$\{-a(n + 3) + 2\,a(n + 2) + a(n + 1) - 2\,a(n),\ a(0) = 4,\ a(1) = 4,\ a(2) = 10\}$$

Sequence: A087289
Score: 11.2986
Type of gen. func.: ogf

$$-\frac{3\,(2\,x - 1)}{(-1 + 4\,x)\,(x - 1)}$$

Sequence: A087289
Score: 12.1038
Type of gen. func.: revogf

$$-\frac{-3 - 5\,x + (9\,x^2 + 6\,x + 9)^{1/2}}{4\,(3 + 2\,x)}$$

Sequence: A087289
Score: 13.7849
Type of gen. func.: lgdogf

$$-\frac{8 x^2 - 8 x + 3}{(x - 1) (2 x - 1) (-1 + 4 x)}$$

Sequence: A087289
Score: 5.5872
Type of gen. func.: ogf

$$-(85 f(x) - 12) (4 f(x) x^2 - 5 f(x) x + f(x) + 6 x - 3)$$

Sequence: A087289
Score: 6.20043
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 4 a(n), a(0) = 3, a(1) = 9\}$$

Sequence: A087290
Score: 14.7237
Type of gen. func.: ogf

$$-\frac{8 (3 x - 1)}{(9 x - 1) (x - 1)}$$

Sequence: A087290
Score: 17.0008
Type of gen. func.: lgdogf

$$-\frac{27 x^2 - 18 x + 7}{(x - 1) (3 x - 1) (9 x - 1)}$$

Sequence: A087290
Score: 17.4367
Type of gen. func.: revogf

$$-\frac{-4 - 5 x + 4 (x^2 + x + 1)^{1/2}}{3 (8 + 3 x)}$$

```
------------------------------------------------------------------------------

Sequence:  A087290
Score: 7.52189
Type of gen. func.: ogf


                                    2
            -(13 f(x) - 6) (9 f(x) x  - 10 f(x) x + f(x) + 24 x - 8)



------------------------------------------------------------------------------

Sequence:  A087290
Score: 8.23826
Type of gen. func.: ogf


             {a(n + 2) - 10 a(n + 1) + 9 a(n), a(0) = 8, a(1) = 56}



------------------------------------------------------------------------------

Sequence:  A087291
Score: 4.44554
Type of gen. func.: ogf


 {a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 8 a(n), a(0) = 0, a(1) = 2, a(2) = 18}



------------------------------------------------------------------------------

Sequence:  A087291
Score: 4.65135
Type of gen. func.: ogf


                            3            2                 2
      (9 f(x) + 2) (8 f(x) x  - 14 f(x) x  + 7 f(x) x + 4 x  - f(x) + 2 x)



------------------------------------------------------------------------------

Sequence:  A087291
Score: 8.66114
Type of gen. func.: ogf


                                  2 x (2 x + 1)
                         - ----------------------------
                           (x - 1) (2 x - 1) (-1 + 4 x)



------------------------------------------------------------------------------

Sequence:  A087291
Score: 9.30589
Type of gen. func.: lgdogf


                                 3      2
                             32 x  - 4 x  - 28 x + 9
                    - --------------------------------------
```

$$(x - 1) (2 x + 1) (2 x - 1) (-1 + 4 x)$$

Sequence: A087292
Score: 11.1132
Type of gen. func.: ogf

$$- \frac{24 x (3 x + 1)}{(x - 1) (3 x - 1) (9 x - 1)}$$

Sequence: A087292
Score: 11.9304
Type of gen. func.: lgdogf

$$- \frac{2 (81 x^3 - 18 x^2 - 39 x + 8)}{(x - 1) (3 x - 1) (3 x + 1) (9 x - 1)}$$

Sequence: A087292
Score: 5.88904
Type of gen. func.: ogf

$\{a(n + 3) - 13 a(n + 2) + 39 a(n + 1) - 27 a(n), a(0) = 0, a(1) = 24,$

$a(2) = 384\}$

Sequence: A087292
Score: 6.15195
Type of gen. func.: ogf

$$(2 f(x) + 3) (27 f(x) x^3 - 39 f(x) x^2 + 13 f(x) x + 72 x^2 - f(x) + 24 x)$$

Sequence: A087323
Score: 14.3494
Type of gen. func.: ogf

$$\frac{x (4 x - 3)}{(x - 1) (2 x - 1)^2}$$

Sequence: A087323
Score: 20.7056
Type of gen. func.: lgdogf

$$-\frac{16 x^2 - 26 x + 11}{(x - 1) (4 x - 3) (2 x - 1)}$$

Sequence: A087323
Score: 7.30281
Type of gen. func.: ogf

{-a(n + 3) + 5 a(n + 2) - 8 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 3, a(2) = 11}

Sequence: A087323
Score: 7.43558
Type of gen. func.: ogf

$$(11 f(x) - 182) (4 f(x) x^3 - 8 f(x) x^2 + 5 f(x) x - 4 x^2 - f(x) + 3 x)$$

Sequence: A087327
Score: 10.3910
Type of gen. func.: ogf

$$\frac{x^6 - 2 x^5 + 2 x^3 - 2 x^2 - 1}{(x + 1) (x - 1)^3}$$

Sequence: A087327
Score: 11.6298
Type of gen. func.: lgdogf

$$\frac{2 (x^7 - 2 x^6 - x^5 + 4 x^4 - x^2 + 4 x + 1)}{(x - 1) (x + 1) (x^6 - 2 x^5 + 2 x^3 - 2 x^2 - 1)}$$

Sequence: A087328
Score: 4.49952
Type of gen. func.: ogf

$$(x^{15} - 2 x^{14} + 2 x^{12} - x^{11} + x^{9} - 3 x^{8} - x^{7} + 4 x^{6} + x^{5} - 6 x^{4} + 2 x^{3} + 2 x^{2} - x - 1) \Big/ ((x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1) (x - 1)^{3})$$

Sequence: A087330
Score: 3.14043
Type of gen. func.: ogf

$$(687567907566 f(x) + 566869982815) (100 f(x) x^{4} - 220 f(x) x^{3} + 141 f(x) x^{2} - 125 x^{3} - 22 f(x) x - 40 x^{2} + f(x) - 15 x)$$

Sequence: A087330
Score: 6.20608
Type of gen. func.: ogf

$$\frac{5 x (25 x^{2} + 8 x + 3)}{(10 x - 1)^{2} (x - 1)^{2}}$$

Sequence: A087330
Score: 8.69171
Type of gen. func.: lgdogf

$$- \frac{2 (250 x^{3} + 120 x^{2} - 9 x - 37)}{(x - 1) (10 x - 1) (25 x^{2} + 8 x + 3)}$$

Sequence: A087348
Score: 12.6599
Type of gen. func.: ogf

$$- \frac{x^{2} + 14 x + 5}{(x - 1)^{3}}$$

Sequence: A087348
Score: 24.0613
Type of gen. func.: lgdogf

$$-\frac{(x + 29)\,(x + 1)}{(x - 1)\,(x^2 + 14\,x + 5)}$$

Sequence: A087348
Score: 6.59589
Type of gen. func.: ogf

$$(4150\,f(x) - 46853)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + x^2 - f(x) + 14\,x + 5)$$

Sequence: A087348
Score: 6.88518
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 5,\ a(1) = 29,\ a(2) = 73\}$$

Sequence: A087404
Score: 13.5319
Type of gen. func.: ogf

$$\frac{2\,(2\,x - 1)}{(x + 1)\,(5\,x - 1)}$$

Sequence: A087404
Score: 14.9143
Type of gen. func.: lgdogf

$$-\frac{2\,(5\,x^2 - 5\,x - 1)}{(2\,x - 1)\,(5\,x - 1)\,(x + 1)}$$

Sequence: A087404
Score: 6.84197
Type of gen. func.: ogf

$$(189 f(x) - 346) (5 f(x) x^2 + 4 f(x) x - f(x) - 4 x + 2)$$

Sequence: A087404
Score: 7.42604
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 5 a(n), a(0) = 2, a(1) = 4\}$$

Sequence: A087405
Score: 11.3727
Type of gen. func.: ogf

$$- \frac{2 (2 x - 1) (x - 1)}{(x + 1) (5 x - 1)}$$

Sequence: A087405
Score: 13.4179
Type of gen. func.: lgdogf

$$\frac{23 x^2 - 14 x - 1}{(x - 1) (2 x - 1) (5 x - 1) (x + 1)}$$

Sequence: A087405
Score: 5.85197
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) + 5 a(n + 1), a(0) = 2, a(1) = 2, a(2) = 22\}$$

Sequence: A087405
Score: 6.21395
Type of gen. func.: ogf

$$(441 f(x) - 877) (5 f(x) x^2 + 4 f(x) x + 4 x^2 - f(x) - 6 x + 2)$$

Sequence: A087413
Score: 3.63652
Type of gen. func.: ogf

$$\{(-27 n^2 - 189 n - 330) a(n + 1) + (31 n^2 + 219 n + 386) a(n + 2) + (-4 n^2 - 30 n - 56) a(n + 3), a(0) = 1, a(1) = 6, a(2) = 34\}$$

Sequence: A087420
Score: 9.23317
Type of gen. func.: ogf

$$\frac{2 (x^5 + x^4 - x^3 - 4 x^2 - 2 x - 1)}{(x - 1)^3 (x + 1)^3}$$

Sequence: A087423
Score: 4.83037
Type of gen. func.: ogf

$$(29682 f(x) + 30929) (64 f(x) x^3 - 128 f(x) x^2 + 32 f(x) x + 192 x^2 - f(x) - 256 x + 32)$$

Sequence: A087423
Score: 5.02673
Type of gen. func.: ogf

$$\{-a(n + 3) + 32 a(n + 2) - 128 a(n + 1) + 64 a(n), a(0) = 32, a(1) = 768, a(2) = 20672\}$$

Sequence: A087423
Score: 8.31777
Type of gen. func.: lgdogf

$$- \frac{4 (96 x^4 - 256 x^3 + 256 x^2 - 61 x + 6)}{(-1 + 4 x) (6 x^2 - 8 x + 1) (16 x^2 - 28 x + 1)}$$

Sequence: A087423
Score: 8.83269

Type of gen. func.: ogf

$$-\frac{32\,(6\,x^{2} - 8\,x + 1)}{(-1 + 4\,x)\,(16\,x^{2} - 28\,x + 1)}$$

Sequence: A087424
Score: 5.17130
Type of gen. func.: ogf

$$-\frac{81\,(26244\,x^{3} - 15309\,x^{2} + 1008\,x - 7)}{(729\,x^{2} - 486\,x + 1)\,(729\,x^{2} - 81\,x + 1)}$$

Sequence: A087426
Score: 14.1019
Type of gen. func.: revogf

$$-\frac{-1 - 3\,x + (x + 1)^{1/2}\,(5\,x + 1)^{1/2}}{6\,x}$$

Sequence: A087426
Score: 15.8693
Type of gen. func.: ogf

$$\frac{3\,x}{9\,x^{2} - 9\,x + 1}$$

Sequence: A087426
Score: 23.1270
Type of gen. func.: lgdogf

$$-\frac{9\,(2\,x - 1)}{9\,x^{2} - 9\,x + 1}$$

Sequence: A087426

Score: 7.24893
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) + 9 a(n), a(0) = 0, a(1) = 3\}$$

Sequence: A087426
Score: 9.95192
Type of gen. func.: ogf

$$-9 f(x) x^{2} + 9 f(x) x - f(x) + 3 x$$

Sequence: A087431
Score: 16.9173
Type of gen. func.: lgdogf

$$\frac{2 (2 x^{2} + 1)}{(2 x - 1) (4 x^{3} - 8 x^{2} + 4 x - 1)}$$

Sequence: A087431
Score: 5.02316
Type of gen. func.: ogf

$$\{a(n + 4) - 6 a(n + 3) + 12 a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 8, a(3) = 28\}$$

Sequence: A087431
Score: 5.42827
Type of gen. func.: ogf

$$-(-1 + 2 f(x)) (8 f(x) x^{3} - 12 f(x) x^{2} - 4 x^{3} + 6 f(x) x + 8 x^{2} - f(x) - 4 x + 1)$$

Sequence: A087431
Score: 9.61577
Type of gen. func.: ogf

$$4 x^{3} - 8 x^{2} + 4 x - 1$$

$$\frac{}{(2 x - 1)^{3}}$$

Sequence: A087432
Score: 10.4278
Type of gen. func.: ogf

$$\frac{(x - 1) (2 x^{2} + 2 x - 1)}{(3 x - 1) (2 x - 1) (x + 1)}$$

Sequence: A087432
Score: 4.81892
Type of gen. func.: ogf

$\{-a(n + 4) + 4 a(n + 3) - a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 7\}$

Sequence: A087432
Score: 7.14715
Type of gen. func.: ogf

$$-6 f(x) x^{3} - f(x) x^{2} + 2 x^{3} + 4 f(x) x - f(x) - 3 x + 1$$

Sequence: A087432
Score: 9.02774
Type of gen. func.: lgdogf

$$\frac{2 x^{4} + 20 x^{3} - 9 x^{2} - 2 x + 1}{(x - 1) (3 x - 1) (2 x - 1) (x + 1) (2 x^{2} + 2 x - 1)}$$

Sequence: A087433
Score: 4.88793
Type of gen. func.: ogf

$\{-a(n + 4) + 8 a(n + 3) - 19 a(n + 2) + 12 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 20\}$

Sequence: A087433
Score: 5.23706
Type of gen. func.: ogf

$$-(5 f(x) - 29)$$

$$(12 f(x) x^3 - 19 f(x) x^2 - 2 x^3 + 8 f(x) x + 9 x^2 - f(x) - 6 x + 1)$$

Sequence: A087433
Score: 8.86294
Type of gen. func.: lgdogf

$$\frac{2 (35 x^4 - 56 x^3 + 36 x^2 - 10 x + 1)}{(x - 1) (3 x - 1) (2 x - 1) (-1 + 4 x) (x^2 - 4 x + 1)}$$

Sequence: A087433
Score: 9.29394
Type of gen. func.: ogf

$$\frac{(2 x - 1) (x^2 - 4 x + 1)}{(x - 1) (3 x - 1) (-1 + 4 x)}$$

Sequence: A087438
Score: 10.2404
Type of gen. func.: ogf

$$- \frac{(3 x - 1) (x - 1)}{(-1 + 4 x) (2 x - 1)^2}$$

Sequence: A087438
Score: 11.2934
Type of gen. func.: lgdogf

$$- \frac{2 (12 x^3 - 26 x^2 + 13 x - 2)}{(x - 1) (3 x - 1) (2 x - 1) (-1 + 4 x)}$$

Sequence: A087438
Score: 5.60995
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 20 a(n + 1) - 16 a(n), a(0) = 1, a(1) = 4, a(2) = 15\}$$

Sequence: A087438
Score: 5.70925
Type of gen. func.: ogf

$$(4 f(x) - 7) (16 f(x) x^{3} - 20 f(x) x^{2} + 8 f(x) x + 3 x^{2} - f(x) - 4 x + 1)$$

Sequence: A087439
Score: 10.1258
Type of gen. func.: lgdogf

$$- \frac{120 x^{3} - 137 x^{2} + 46 x - 5}{(x - 1) (-1 + 4 x) (3 x - 1) (5 x - 1)}$$

Sequence: A087439
Score: 10.9029
Type of gen. func.: ogf

$$\frac{-1 + 4 x}{(x - 1) (3 x - 1) (5 x - 1)}$$

Sequence: A087439
Score: 5.21445
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 23 a(n + 1) - 15 a(n), a(0) = 1, a(1) = 5, a(2) = 22\}$$

Sequence: A087439
Score: 5.30675
Type of gen. func.: ogf

3   2

$$-(557 f(x) - 165) (15 f(x) x - 23 f(x) x + 9 f(x) x - f(x) - 4 x + 1)$$

Sequence: A087440
Score: 12.1725
Type of gen. func.: ogf

$$-\frac{(x + 1) (3 x - 1)}{(-1 + 4 x) (2 x - 1)}$$

Sequence: A087440
Score: 13.1757
Type of gen. func.: lgdogf

$$-\frac{2 (17 x^2 - 11 x + 2)}{(-1 + 4 x) (3 x - 1) (2 x - 1) (x + 1)}$$

Sequence: A087440
Score: 6.26353
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 8 a(n + 1), a(0) = 1, a(1) = 4, a(2) = 13\}$$

Sequence: A087440
Score: 6.65098
Type of gen. func.: ogf

$$-(f(x) + 7) (8 f(x) x^2 - 6 f(x) x + 3 x^2 + f(x) + 2 x - 1)$$

Sequence: A087444
Score: 13.7199
Type of gen. func.: ogf

$$\frac{5 x^2 + 3 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A087444
Score: 17.0987
Type of gen. func.: lgdogf

$$-\frac{5 x^{3} + 11 x^{2} + 16 x + 4}{(x - 1) (x + 1) (5 x^{2} + 3 x + 1)}$$

Sequence: A087444
Score: 7.15309
Type of gen. func.: ogf

$$-(9 f(x) - 329) (f(x) x^{3} - f(x) x^{2} - f(x) x - 5 x^{2} + f(x) - 3 x - 1)$$

Sequence: A087444
Score: 7.40629
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 4, a(2) = 10\}$$

Sequence: A087445
Score: 13.7258
Type of gen. func.: ogf

$$\frac{7 x^{2} + 4 x + 1}{(x + 1) (x - 1)^{2}}$$

Sequence: A087445
Score: 17.1077
Type of gen. func.: lgdogf

$$-\frac{7 x^{3} + 15 x^{2} + 21 x + 5}{(x - 1) (x + 1) (7 x^{2} + 4 x + 1)}$$

Sequence: A087445
Score: 7.4095
Type of gen. func.: ogf

$$(4 f(x) - 165) (f(x) x^3 - f(x) x^2 - f(x) x - 7 x^2 + f(x) - 4 x - 1)$$

Sequence: A087445
Score: 7.40950
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 5, a(2) = 13\}$$

Sequence: A087446
Score: 13.5986
Type of gen. func.: ogf

$$\frac{9 x^2 + 5 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A087446
Score: 16.9477
Type of gen. func.: lgdogf

$$- \frac{9 x^3 + 19 x^2 + 26 x + 6}{(x - 1) (x + 1) (9 x^2 + 5 x + 1)}$$

Sequence: A087446
Score: 7.27647
Type of gen. func.: ogf

$$(15 f(x) - 704) (f(x) x^3 - f(x) x^2 - f(x) x - 9 x^2 + f(x) - 5 x - 1)$$

Sequence: A087446
Score: 7.34086
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 6, a(2) = 16\}$$

Sequence: A087447
Score: 10.9842
Type of gen. func.: ogf

$$-\frac{(x-1)\,(2x^2-2x+1)}{(2x-1)^2}$$

Sequence: A087447
Score: 13.6757
Type of gen. func.: lgdogf

$$\frac{4x^3-6x^2+2x+1}{(x-1)\,(2x-1)\,(2x^2-2x+1)}$$

Sequence: A087447
Score: 5.82640
Type of gen. func.: ogf

{a(n + 4) - 4 a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 10}

Sequence: A087447
Score: 6.63402
Type of gen. func.: ogf

$$(f(x)+2)\,(4\,f(x)\,x^2+2x^3-4\,f(x)\,x-4x^2+f(x)+3x-1)$$

Sequence: A087448
Score: 4.35889
Type of gen. func.: ogf

$$(96\,f(x)-307)\,(9\,f(x)\,x^4-24\,f(x)\,x^3+22\,f(x)\,x^2+10x^3-8\,f(x)\,x-13x^2$$
$$+\,f(x)+6x-1)$$

Sequence: A087448
Score: 7.74916

Type of gen. func.: ogf

$$-\frac{(2x-1)(5x^2-4x+1)}{(3x-1)^2(x-1)^2}$$

Sequence: A087448
Score: 9.04127
Type of gen. func.: lgdogf

$$-\frac{2(15x^4-19x^3+12x^2-5x+1)}{(x-1)(3x-1)(2x-1)(5x^2-4x+1)}$$

Sequence: A087449
Score: 10.0037
Type of gen. func.: ogf

$$-\frac{7x^2-5x+1}{(x-1)(-1+4x)^2}$$

Sequence: A087449
Score: 11.6546
Type of gen. func.: lgdogf

$$-\frac{28x^3-33x^2+18x-4}{(x-1)(-1+4x)(7x^2-5x+1)}$$

Sequence: A087449
Score: 5.48029
Type of gen. func.: ogf

{a(n + 3) - 9 a(n + 2) + 24 a(n + 1) - 16 a(n), a(0) = 1, a(1) = 4, a(2) = 19}

Sequence: A087449
Score: 5.4803

Type of gen. func.: ogf

$$(40 f(x) - 77) (16 f(x) x^3 - 24 f(x) x^2 + 9 f(x) x + 7 x^2 - f(x) - 5 x + 1)$$

Sequence: A087451
Score: 14.3356
Type of gen. func.: ogf

$$\frac{x - 2}{(3 x - 1) (2 x + 1)}$$

Sequence: A087451
Score: 16.6335
Type of gen. func.: lgdogf

$$- \frac{6 x^2 - 24 x - 1}{(x - 2) (3 x - 1) (2 x + 1)}$$

Sequence: A087451
Score: 7.24835
Type of gen. func.: ogf

$$(350 f(x) - 699) (6 f(x) x^2 + f(x) x - f(x) - x + 2)$$

Sequence: A087451
Score: 7.86712
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 6 a(n), a(0) = 2, a(1) = 1\}$$

Sequence: A087452
Score: 15.5346
Type of gen. func.: ogf

$$\frac{x - 2}{(3 x + 1) (-1 + 4 x)}$$

Sequence: A087452
Score: 17.5429
Type of gen. func.: lgdogf

$$-\frac{12 x^2 - 48 x - 1}{(x - 2) (3 x + 1) (-1 + 4 x)}$$

Sequence: A087452
Score: 7.76729
Type of gen. func.: ogf

$$(1274 f(x) - 2547) (12 f(x) x^2 + f(x) x - f(x) - x + 2)$$

Sequence: A087452
Score: 8.60953
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 12 a(n), a(0) = 2, a(1) = 1\}$$

Sequence: A087453
Score: 11.3445
Type of gen. func.: ogf

$$-11 f(x) x^2 + 13 f(x) x - f(x) + 5 x$$

Sequence: A087453
Score: 11.3770
Type of gen. func.: revogf

$$-\frac{-5 - 13 x + (25 x^2 + 26 x + 5)^{1/2} 5^{1/2}}{22 x}$$

Sequence: A087453
Score: 17.7439
Type of gen. func.: ogf

5 x

```
                ----------------
                    2
                11 x  - 13 x + 1
```

Sequence: A087453
Score: 19.8044
Type of gen. func.: lgdogf

$$-\frac{-13 + 22 x}{11 x^2 - 13 x + 1}$$

Sequence: A087453
Score: 8.33752
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1) + 11 a(n), a(0) = 0, a(1) = 5\}$$

Sequence: A087455
Score: 17.5413
Type of gen. func.: ogf

$$-\frac{x - 1}{3 x^2 - 2 x + 1}$$

Sequence: A087455
Score: 9.28654
Type of gen. func.: ogf

$$(2 f(x) - 3) (3 f(x) x^2 - 2 f(x) x + f(x) + x - 1)$$

Sequence: A087455
Score: 9.62630
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A087462

Score: 9.87598
Type of gen. func.: ogf

$$-\frac{4x^5-2x^4+x^3+x^2+x+1}{(x+1)(2x-1)(x^2-x+1)(4x^2+2x+1)}$$

Sequence: A087463
Score: 10.5320
Type of gen. func.: ogf

$$-\frac{x(4x^4-2x^3+x+1)}{(x+1)(2x-1)(x^2-x+1)(4x^2+2x+1)}$$

Sequence: A087463
Score: 6.81607
Type of gen. func.: lgdogf

$$-\frac{64x^9-48x^8+12x^6+48x^5+30x^3+15x^2+1}{(2x-1)(x+1)(x^2-x+1)(4x^2+2x+1)(4x^4-2x^3+x+1)}$$

Sequence: A087464
Score: 11.1234
Type of gen. func.: ogf

$$\frac{2x^2(2x^3-3x^2-1)}{(x+1)(2x-1)(x^2-x+1)(4x^2+2x+1)}$$

Sequence: A087464
Score: 7.39005
Type of gen. func.: lgdogf

$$-\frac{3x(16x^7-32x^6-16x^4-7x^3-5x-2)}{(2x-1)(x+1)(x^2-x+1)(4x^2+2x+1)(2x^3-3x^2-1)}$$

Sequence: A087475
Score: 13.7292
Type of gen. func.: ogf

$$-\frac{5 x^{2} - 7 x + 4}{(x - 1)^{3}}$$

Sequence: A087475
Score: 24.1692
Type of gen. func.: lgdogf

$$-\frac{5 x^{2} - 4 x + 5}{(x - 1) (5 x^{2} - 7 x + 4)}$$

Sequence: A087475
Score: 7.47749
Type of gen. func.: ogf

$$(4 f(x) - 25) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 5 x^{2} - f(x) - 7 x + 4)$$

Sequence: A087475
Score: 7.47750
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 4, a(1) = 5, a(2) = 8\}$$

Sequence: A087483
Score: 14.4992
Type of gen. func.: lgdogf

$$-\frac{(x^{2} + 1) (x^{4} + 2 x^{2} + 4 x + 2)}{(x - 1) (x^{2} + x + 1) (x^{4} - x^{3} + x^{2} + 1)}$$

Sequence: A087483
Score: 9.63064
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 + x^2 + 1}{(x^2 + x + 1)(x - 1)^3}$$

Sequence: A087503
Score: 13.4401
Type of gen. func.: ogf

$$\frac{2x + 1}{(x - 1)(3x^2 - 1)}$$

Sequence: A087503
Score: 15.5160
Type of gen. func.: lgdogf

$$-\frac{3(4x^3 + x^2 - 2x - 1)}{(x - 1)(2x + 1)(3x^2 - 1)}$$

Sequence: A087503
Score: 6.36004
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 3 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 3, a(2) = 6\}$$

Sequence: A087503
Score: 6.91577
Type of gen. func.: ogf

$$(f(x) - 1)(3 f(x) x^3 - 3 f(x) x^2 - f(x) x + f(x) - 2x - 1)$$

Sequence: A087504
Score: 22.2351
Type of gen. func.: ogf_with_Euler_transform]

$$-x^8 + x^5 + x^3 + 1$$

Sequence: A087504
Score: 9.27412
Type of gen. func.: ogf

$$\frac{x^6 + x^3 + 1}{(x^2 + 1) (x^2 - x + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A087507
Score: 13.7251
Type of gen. func.: lgdogf

$$- \frac{6 x^5 + 4 x^4 + 5 x^3 + 12 x^2 + 2 x + 1}{(x - 1) (x^2 + x + 1) (2 x^3 + x^2 + x + 1)}$$

Sequence: A087507
Score: 13.9916
Type of gen. func.: ogf

$$\frac{2 x^3 + x^2 + x + 1}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A087508
Score: 15.2559
Type of gen. func.: ogf

$$\frac{x (x + 1)}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A087508
Score: 24.2008
Type of gen. func.: lgdogf

$$-\frac{5x^3+6x^2+1}{(x-1)(x+1)(x^2+x+1)}$$

Sequence: A087508
Score: 32.2564
Type of gen. func.: ogf_with_Euler_transform]

$$2x^2-x+1$$

Sequence: A087509
Score: 14.3008
Type of gen. func.: ogf

$$\frac{x^2(x^2+1)}{(x-1)^2(x^2+x+1)^2}$$

Sequence: A087509
Score: 21.9731
Type of gen. func.: ogf_with_Euler_transform]

$$-x(x^2-2x-1)$$

Sequence: A087509
Score: 22.1657
Type of gen. func.: lgdogf

$$-\frac{2x(2x^3+3x+1)}{(x-1)(x^2+1)(x^2+x+1)}$$

Sequence: A087539
Score: 6.67451
Type of gen. func.: ogf

2   2   3   2

```
                          x  (x  - x + 1) (x  - x  + 1)
                        - -----------------------------
                               6    3             3
                             (x  + x  + 1) (x - 1)
```

Sequence: A087539
Score: 7.15618
Type of gen. func.: lgdogf

```
      11       10       9      8       7       6      5      4      2
- (4 x   - 11 x   + 16 x  - 5 x  - 10 x  + 18 x  - 8 x  + 2 x  + 3 x  - 2 x + 2

        /            2            3    2        6    3
    )  /  ((x - 1) (x  - x + 1) (x  - x  + 1) (x  + x  + 1))
      /
```

Sequence: A087547
Score: 5.26853
Type of gen. func.: ogf

```
      2
{(-2 n  - 7 n - 6) a(n + 1) + (3 n + 7) a(n + 2) - a(n + 3), a(0) = 0, a(1) = 1,

    a(2) = 4}
```

Sequence: A087567
Score: 18.5075
Type of gen. func.: revogf

```
                                        2            1/2
                       -7 x - 1 + (125 x  + 14 x + 1)
                       ---------------------------------
                                     38 x
```

Sequence: A087567
Score: 21.0430
Type of gen. func.: ogf

```
                                        1
                               - ---------------
                                     2
                                 19 x  + 7 x - 1
```

Sequence: A087567
Score: 29.3035
Type of gen. func.: lgdogf

$$-\frac{7 + 38 x}{19 x^2 + 7 x - 1}$$

Sequence: A087567
Score: 8.13026
Type of gen. func.: ogf

$$-(87 f(x) - 38) (19 f(x) x^2 + 7 f(x) x - f(x) + 1)$$

Sequence: A087567
Score: 8.62002
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) + 19 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A087579
Score: 17.8167
Type of gen. func.: revogf

$$\frac{-1 - 8 x + (180 x^2 + 16 x + 1)^{1/2}}{58 x}$$

Sequence: A087579
Score: 20.2652
Type of gen. func.: ogf

$$-\frac{1}{29 x^2 + 8 x - 1}$$

Sequence: A087579
Score: 26.0398
Type of gen. func.: lgdogf

$$-\frac{2 (4 + 29 x)}{29 x^2 + 8 x - 1}$$

Sequence: A087579
Score: 7.82975
Type of gen. func.: ogf

$$-(61 f(x) - 29) (29 f(x) x^2 + 8 f(x) x - f(x) + 1)$$

Sequence: A087579
Score: 8.30142
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) + 29 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A087584
Score: 18.5262
Type of gen. func.: revogf

$$\frac{-1 - 9 x + (245 x^2 + 18 x + 1)^{1/2}}{82 x}$$

Sequence: A087584
Score: 21.0582
Type of gen. func.: ogf

$$-\frac{1}{41 x^2 + 9 x - 1}$$

Sequence: A087584
Score: 29.3332
Type of gen. func.: lgdogf

$$-\frac{9 + 82 x}{41 x^2 + 9 x - 1}$$

Sequence: A087584
Score: 8.04472

Type of gen. func.: ogf

$$-(163 f(x) - 82) (41 f(x) x^2 + 9 f(x) x - f(x) + 1)$$

Sequence: A087584
Score: 8.62625
Type of gen. func.: ogf

$$\{-a(n + 2) + 9 a(n + 1) + 41 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A087603
Score: 12.7494
Type of gen. func.: revogf

$$\frac{-10 x - 1 + (320 x^2 + 20 x + 1)^{1/2}}{110 x}$$

Sequence: A087603
Score: 18.2135
Type of gen. func.: lgdogf

$$-\frac{10 (1 + 11 x)}{55 x^2 + 10 x - 1}$$

Sequence: A087603
Score: 19.0968
Type of gen. func.: ogf

$$-\frac{1}{55 x^2 + 10 x - 1}$$

Sequence: A087603
Score: 7.59531
Type of gen. func.: ogf

$$(1181 f(x) - 781) (55 f(x) x^2 + 10 f(x) x - f(x) + 1)$$

Sequence: A087603
Score: 7.86339
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) + 55 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A087619
Score: 4.01029
Type of gen. func.: ogf

$$-(18773 f(x) - 18777) (f(x) x^2 + 137 f(x) x - f(x) - 137 x + 2)$$

Sequence: A087619
Score: 4.70977
Type of gen. func.: ogf

$$\{-a(n + 2) + 137 a(n + 1) + a(n), a(0) = 2, a(1) = 137\}$$

Sequence: A087619
Score: 8.26612
Type of gen. func.: ogf

$$\frac{137 x - 2}{x^2 + 137 x - 1}$$

Sequence: A087619
Score: 9.18839
Type of gen. func.: lgdogf

$$- \frac{137 x^2 - 4 x - 137}{(137 x - 2) (x^2 + 137 x - 1)}$$

Sequence: A087620
Score: 10.1820
Type of gen. func.: lgdogf

$$-\frac{12x^7+5x^6+12x^5+7x^4+20x^3+3x^2+4x+1}{(x-1)(x+1)(x^2+1)(3x^4+x^3+2x^2+x+1)}$$

Sequence: A087620
Score: 12.6524
Type of gen. func.: ogf

$$\frac{3x^4+x^3+2x^2+x+1}{(x-1)^2(x+1)^2(x^2+1)^2}$$

Sequence: A087621
Score: 6.39968
Type of gen. func.: ogf

$$(3f(x)-5)(64f(x)x^4-4f(x)x^2+64x^3-8x^2+f(x)-2x+1)$$

Sequence: A087621
Score: 7.81373
Type of gen. func.: lgdogf

$$-\frac{2(2048x^6-512x^5-64x^4+128x^3-92x^2+4x+1)}{(1+4x)(16x^2-6x+1)(64x^4-4x^2+1)}$$

Sequence: A087621
Score: 9.83833
Type of gen. func.: ogf

$$-\frac{(1+4x)(16x^2-6x+1)}{64x^4-4x^2+1}$$

Sequence: A087626
Score: 13.9736
Type of gen. func.: revogf

$$-\frac{-1 - 2 x - x^2 + (x^4 + 6 x^2 + 4 x + 1)^{1/2}}{2 x^2}$$

Sequence: A087626
Score: 8.33565
Type of gen. func.: ogf

$$x^3 f(x)^2 - f(x)^2 x^2 - 2 f(x) x + f(x) - 1$$

Sequence: A087627
Score: 15.4090
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^4 + 5 x^3 + 3 x^2 + 2 x + 1)}{(x - 1) (x^2 + x + 1) (2 x^2 + 2 x + 1)}$$

Sequence: A087627
Score: 15.9823
Type of gen. func.: ogf

$$\frac{2 x^2 + 2 x + 1}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A087628
Score: 8.80602
Type of gen. func.: ogf

$$-\frac{8 x^5 - 4 x^4 - 5 x^3 + 2 x^2 + 2 x + 1}{(x + 1) (2 x - 1) (x^2 - x + 1) (4 x^2 + 2 x + 1)}$$

Sequence: A087629
Score: 5.55002

Type of gen. func.: lgdogf

$$-(64 x^9 - 120 x^8 + 96 x^7 + 12 x^6 + 48 x^5 + 21 x^4 + 30 x^3 + 6 x^2 + 6 x + 1) / ((2 x - 1) (x + 1) (x^2 - x + 1) (4 x^2 + 2 x + 1) (4 x^4 - 5 x^3 + 3 x^2 + x + 1))$$

Sequence: A087629
Score: 9.77107
Type of gen. func.: ogf

$$-\frac{4 x^4 - 5 x^3 + 3 x^2 + x + 1}{(x + 1) (2 x - 1) (x^2 - x + 1) (4 x^2 + 2 x + 1)}$$

Sequence: A087635
Score: 10.1638
Type of gen. func.: ogf

$$-4 f(x) x^2 + 6 f(x) x - f(x) + 2 x$$

Sequence: A087635
Score: 14.3997
Type of gen. func.: revogf

$$-\frac{-1 - 3 x + (x + 1)^{1/2} (5 x + 1)^{1/2}}{4 x}$$

Sequence: A087635
Score: 16.2071
Type of gen. func.: ogf

$$\frac{2 x}{4 x^2 - 6 x + 1}$$

Sequence: A087635
Score: 23.6155
Type of gen. func.: lgdogf

$$-\frac{2 (4 x - 3)}{4 x^2 - 6 x + 1}$$

Sequence: A087635
Score: 7.40323
Type of gen. func.: ogf

{a(n + 2) - 6 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 2}

Sequence: A087640
Score: 10.5661
Type of gen. func.: ogf

$$\frac{(x - 1) (x^2 - x - 1)}{x^3 - 3 x^2 - x + 1}$$

Sequence: A087640
Score: 11.8081
Type of gen. func.: lgdogf

$$-\frac{x^4 + 2 x^3 - 2 x^2 - 2 x - 1}{(x - 1) (x^2 - x - 1) (x^3 - 3 x^2 - x + 1)}$$

Sequence: A087640
Score: 5.20302
Type of gen. func.: ogf

{a(n + 4) - a(n + 3) - 3 a(n + 2) + a(n + 1), a(0) = 1, a(1) = 1, a(2) = 2,

a(3) = 5}

Sequence: A087640
Score: 5.97215

Type of gen. func.: ogf

$$(-1 + 2 f(x)) (f(x) x^3 - 3 f(x) x^2 - x^3 - f(x) x + 2 x^2 + f(x) - 1)$$

Sequence: A087645
Score: 13.9087
Type of gen. func.: lgdogf

$$-\frac{x^4 - 4 x^3 + 9 x^2 + 6 x + 3}{(x - 1) (x^4 - 4 x^3 + 7 x^2 - 2 x + 1)}$$

Sequence: A087645
Score: 7.97411
Type of gen. func.: ogf

$$-\frac{2 (x^4 - 4 x^3 + 7 x^2 - 2 x + 1)}{(x - 1)^5}$$

Sequence: A087702
Score: 11.5129
Type of gen. func.: lgdogf

$$\frac{10 (23562 x^{32} + 2926 x^{18} + 84 x^6 + 2 x + 99)}{7140 x^{33} + 1540 x^{19} + 120 x^7 + 10 x^2 + 990 x + 1}$$

Sequence: A087719
Score: 4.81918
Type of gen. func.: ogf

$$-(10 f(x) - 381) (6 f(x) x^3 - 11 f(x) x^2 + 6 f(x) x + 60 x^2 - f(x) - 63 x + 15)$$

Sequence: A087719
Score: 5.06844
Type of gen. func.: ogf

{-a(n + 3) + 6 a(n + 2) - 11 a(n + 1) + 6 a(n), a(0) = 15, a(1) = 27, a(2) = 57

}

Sequence: A087719
Score: 7.87982
Type of gen. func.: lgdogf

$$-\frac{120 x^4 - 252 x^3 + 201 x^2 - 70 x + 9}{(x - 1) (3 x - 1) (2 x - 1) (20 x^2 - 21 x + 5)}$$

Sequence: A087719
Score: 9.04522
Type of gen. func.: ogf

$$-\frac{3 (20 x^2 - 21 x + 5)}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A087752
Score: 10.3723
Type of gen. func.: ogf

{a(n + 1) - 49 a(n), a(0) = 1}

Sequence: A087752
Score: 13.0889
Type of gen. func.: ogf

$$-49 f(x) x + f(x) - 1$$

Sequence: A087752
Score: 24.9879
Type of gen. func.: ogf

$$-\frac{1}{49 x - 1}$$

Sequence: A087752
Score: 35.9268
Type of gen. func.: revegf]

$$1/49 \ln(1 + 49 x)$$

Sequence: A087752
Score: 41.4540
Type of gen. func.: lgdogf

$$- \frac{49}{49 x - 1}$$

Sequence: A087761
Score: 6.15963
Type of gen. func.: lgdegf]

$$(n^2 + 6 n + 9) a(n + 1) + (-2 n^2 - 11 n - 14) a(n + 2)$$

$$+ (n^2 + 5 n + 6) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 11/2$$

Sequence: A087774
Score: 10.4436
Type of gen. func.: ogf

$$\frac{10 x^6 + x^5 - 2 x^4 - 21 x^3 + 2 x^2 + 2 x + 11}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A087774
Score: 9.92389
Type of gen. func.: lgdogf

$$- \frac{(x^3 - 3 x^2 - 3 x - 1) (x^4 - x^3 - 3 x^2 + 2 x - 2)}{(x - 1) (10 x^6 + x^5 - 2 x^4 - 21 x^3 + 2 x^2 + 2 x + 11) (x^2 + x + 1)}$$

Sequence: A087775
Score: 12.6585
Type of gen. func.: lgdogf

$$-\frac{5x^7+4x^6+3x^5+17x^4-2x^3-3x^2-4x-2}{(x-1)(x^2+x+1)(5x^5+2x^4+x^3-2x^2-2x-1)}$$

Sequence: A087775
Score: 12.8493
Type of gen. func.: ogf

$$-\frac{5x^5+2x^4+x^3-2x^2-2x-1}{(x-1)^2(x^2+x+1)^2}$$

Sequence: A087787
Score: 19.1569
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^2+2x}{x-1}$$

Sequence: A087798
Score: 12.6938
Type of gen. func.: ogf

$$\frac{9x-2}{x^2+9x-1}$$

Sequence: A087798
Score: 15.9841
Type of gen. func.: lgdogf

$$-\frac{9x^2-4x-9}{(9x-2)(x^2+9x-1)}$$

Sequence: A087798
Score: 15.9841
Type of gen. func.: revogf

$$\frac{-2 - 9 x + (85 x^2 + 4)^{1/2}}{2 (x - 9)}$$

Sequence: A087798
Score: 6.27716
Type of gen. func.: ogf

$$-(85 f(x) - 89) (f(x) x^2 + 9 f(x) x - f(x) - 9 x + 2)$$

Sequence: A087798
Score: 6.96611
Type of gen. func.: ogf

$$\{-a(n + 2) + 9 a(n + 1) + a(n), a(0) = 2, a(1) = 9\}$$

Sequence: A087799
Score: 13.7039
Type of gen. func.: ogf

$$-\frac{2 (5 x - 1)}{x^2 - 10 x + 1}$$

Sequence: A087799
Score: 18.0600
Type of gen. func.: lgdogf

$$-\frac{5 x^2 - 2 x + 5}{(5 x - 1) (x^2 - 10 x + 1)}$$

Sequence: A087799
Score: 6.64003
Type of gen. func.: ogf

$$-(1188 f(x) - 1751) (f(x) x^2 - 10 f(x) x + f(x) + 10 x - 2)$$

Sequence: A087799
Score: 7.66764
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + a(n), a(0) = 2, a(1) = 10\}$$

Sequence: A087800
Score: 12.0535
Type of gen. func.: ogf

$$-\frac{2 (6 x - 1)}{x^2 - 12 x + 1}$$

Sequence: A087800
Score: 15.8557
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^2 - x + 3)}{(6 x - 1) (x^2 - 12 x + 1)}$$

Sequence: A087800
Score: 5.84034
Type of gen. func.: ogf

$$-(5005 f(x) - 7418) (f(x) x^2 - 12 f(x) x + f(x) + 12 x - 2)$$

Sequence: A087800
Score: 6.74420
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + a(n), a(0) = 2, a(1) = 12\}$$

Sequence: A087811
Score: 22.7285
Type of gen. func.: ogf

$$-\frac{1}{(x + 1)(x - 1)^3}$$

Sequence: A087811
Score: 37.4901
Type of gen. func.: lgdogf

$$-\frac{2(2x + 1)}{(x - 1)(x + 1)}$$

Sequence: A087811
Score: 39.8701
Type of gen. func.: ogf_with_Euler_transform]

[x + 2]

Sequence: A087811
Score: 6.78189
Type of gen. func.: ogf

{a(n + 4) - 2 a(n + 3) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 4,

a(3) = 6}

Sequence: A087811
Score: 8.49449
Type of gen. func.: ogf

$$(5 f(x) - 7)(f(x) x^4 - 2 f(x) x^3 + 2 f(x) x - f(x) + 1)$$

Sequence: A087863
Score: 10.3067
Type of gen. func.: ogf

$$x^3 - 3x^2 - 3x + 6$$

$$\overline{}$$
$$(x - 1)^4$$

Sequence: A087863
Score: 17.6947
Type of gen. func.: lgdogf

$$-\frac{x^3 - 3 x^2 - 15 x + 21}{(x - 1) (x^3 - 3 x^2 - 3 x + 6)}$$

Sequence: A087863
Score: 4.04905
Type of gen. func.: ogf

$$\{(111 n^2 + 661 n + 878) a(n + 1) + (-242 n^2 - 1400 n - 1916) a(n + 2)$$
$$+ (131 n^2 + 679 n + 858) a(n + 3), a(0) = 6, a(1) = 21, a(2) = 45\}$$

Sequence: A087863
Score: 5.47319
Type of gen. func.: ogf

$$(1301 f(x) + 643073)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x + 3 x^2 + f(x) + 3 x - 6)$$

Sequence: A087866
Score: 24.4008
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{14} + x^9 + x^5 + 1$$

Sequence: A087866
Score: 6.19879
Type of gen. func.: ogf

$$x^8 - x^7 + x^5 - x^4 + x^3 - x + 1$$

$$\overline{(x^2 - x + 1)(x^4 - x^3 + x^2 - x + 1)(x - 1)^2 (x + 1)^2}$$

Sequence: A087887
Score: 21.6925
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 + 10 x + 7)}{(x - 1)(x^2 + 6 x + 2)}$$

Sequence: A087887
Score: 3.61408
Type of gen. func.: ogf

$$\{(6 + 2 n) a(n + 4) + (-6 + 4 n) a(n + 3) + (-25 - 5 n) a(n + 2)$$
$$+ (-2 - n) a(n + 1), a(0) = 0, a(1) = 24, a(2) = 168, a(3) = 540\}$$

Sequence: A087887
Score: 5.39262
Type of gen. func.: ogf

$$-(938466 f(x) + 30587185)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 12 x^3 - 4 f(x) x - 72 x^2 + f(x) - 24 x)$$

Sequence: A087887
Score: 9.55829
Type of gen. func.: ogf

$$\frac{12 x (x^2 + 6 x + 2)}{(x - 1)^4}$$

Sequence: A087897
Score: 26.8173
Type of gen. func.: ogf_with_Euler_transform]

2

$$-\frac{x}{x^2 - 1}$$

Sequence: A087908
Score: 12.0743
Type of gen. func.: lgdogf

$$-\frac{x^3 + x^2 + 19 x + 3}{(x - 1) (x^3 - x^2 + 7 x - 1)}$$

Sequence: A087908
Score: 3.4012
Type of gen. func.: ogf

$$(28809 f(x) + 50686)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x + x^2 + f(x) - 7 x + 1)$$

Sequence: A087908
Score: 6.40486
Type of gen. func.: ogf

$$\frac{x^3 - x^2 + 7 x - 1}{(x - 1)^4}$$

Sequence: A087912
Score: 14.4919
Type of gen. func.: lgdegf]

$$-39 + 13 x + (13 x^2 - 22 x + 1) f(x) + (4 x^2 - 8 x + 4) f(x)^2$$

Sequence: A087912
Score: 5.15227
Type of gen. func.: ogf

2

$$\{(-n - 4 n - 4) a(n + 1) + (2 n + 7) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 3, a(2) = 14\}$$

Sequence: A087923
Score: 3.16549
Type of gen. func.: ogf

$$\{(-8 n^2 - 36 n - 36) a(n + 1) + (6 n + 20) a(n + 2) - a(n + 3), a(0) = 2, a(1) = 16, a(2) = 208\}$$

Sequence: A087935
Score: 15.8366
Type of gen. func.: ogf

$$\frac{x^4 - 5}{x^5 + x^4 - 1}$$

Sequence: A087935
Score: 22.3034
Type of gen. func.: lgdogf

$$-\frac{x^3 (x^5 - 25 x - 16)}{(x^4 - 5) (x^5 + x^4 - 1)}$$

Sequence: A087936
Score: 15.7724
Type of gen. func.: ogf

$$\frac{x^5 - 6}{x^6 + x^5 - 1}$$

Sequence: A087936
Score: 22.6550
Type of gen. func.: lgdogf

$$-\frac{x^4\,(x^6 - 36\,x - 25)}{(x^5 - 6)\,(x^6 + x^5 - 1)}$$

Sequence: A087940
Score: 11.4017
Type of gen. func.: ogf

$$-\frac{x^3 + 2\,x^2 - 3\,x - 1}{(x - 1)\,(2\,x - 1)\,(x + 1)}$$

Sequence: A087940
Score: 12.0739
Type of gen. func.: lgdogf

$$-\frac{5\,x^4 - 8\,x^3 - 2\,x^2 - 2\,x + 5}{(x - 1)\,(2\,x - 1)\,(x + 1)\,(x^3 + 2\,x^2 - 3\,x - 1)}$$

Sequence: A087940
Score: 5.91515
Type of gen. func.: ogf

{a(n + 4) - 2 a(n + 3) - a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = 5, a(2) = 9,

a(3) = 20}

Sequence: A087940
Score: 6.34447
Type of gen. func.: ogf

$$(972\,f(x) + 3037)\,(2\,f(x)\,x^3 - f(x)\,x^2 + x^3 - 2\,f(x)\,x + 2\,x^2 + f(x) - 3\,x - 1)$$

Sequence: A087944
Score: 10.0654
Type of gen. func.: lgdogf

4   3   2

$$-\frac{2 (3 x - 8 x + 12 x - 6 x + 1)}{(x - 1) (3 x - 1) (2 x - 1) (x^2 - 4 x + 1)}$$

Sequence: A087944
Score: 10.6065
Type of gen. func.: ogf

$$-\frac{(3 x - 1) (x - 1)}{(2 x - 1) (x^2 - 4 x + 1)}$$

Sequence: A087944
Score: 5.77674
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 9 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A087944
Score: 6.04667
Type of gen. func.: ogf

$$-f(x) (2 f(x) x^3 - 9 f(x) x^2 + 6 f(x) x + 3 x^2 - f(x) - 4 x + 1)$$

Sequence: A087945
Score: 10.2114
Type of gen. func.: ogf

$$\frac{x^2 + 2 x - 1}{(2 x - 1) (x^2 - 4 x + 1)}$$

Sequence: A087945
Score: 5.51237
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 9 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 4, a(2) = 14\}$$

Sequence: A087945
Score: 5.6117
Type of gen. func.: ogf

$$(8 f(x) + 1) (2 f(x) x^3 - 9 f(x) x^2 + 6 f(x) x - x^2 - f(x) - 2 x + 1)$$

Sequence: A087945
Score: 9.84170
Type of gen. func.: lgdogf

$$-\frac{2 (x^4 + 4 x^3 - 15 x^2 + 10 x - 2)}{(2 x - 1) (x^2 - 4 x + 1) (x^2 + 2 x - 1)}$$

Sequence: A087946
Score: 10.0551
Type of gen. func.: ogf

$$-\frac{x^2 - 3 x + 1}{(2 x - 1) (x^2 - 4 x + 1)}$$

Sequence: A087946
Score: 5.198
Type of gen. func.: ogf

$$-(129 f(x) + 11) (2 f(x) x^3 - 9 f(x) x^2 + 6 f(x) x + x^2 - f(x) - 3 x + 1)$$

Sequence: A087946
Score: 5.42800
Type of gen. func.: ogf

$\{-a(n + 3) + 6 a(n + 2) - 9 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 3, a(2) = 10\}$

Sequence: A087946
Score: 9.84675
Type of gen. func.: lgdogf

$$-\frac{2x^4-12x^3+27x^2-16x+3}{(2x-1)(x^2-4x+1)(x^2-3x+1)}$$

Sequence: A087953
Score: 7.42254
Type of gen. func.: ogf

$$-\frac{x^4-2x^3+x^2-2x+1}{(x-1)(x^2+x+1)(x^2-3x+1)}$$

Sequence: A087953
Score: 7.52030
Type of gen. func.: lgdogf

$$-\frac{x^8-4x^7+8x^6-12x^5+13x^4-4x^2+1}{(x-1)(x^2-3x+1)(x^4-2x^3+x^2-2x+1)(x^2+x+1)}$$

Sequence: A087955
Score: 12.6993
Type of gen. func.: lgdogf

$$-\frac{2(2x^3-3x^2-1)}{(x-1)(x^2-2x-1)(x^3-3x^2-x+1)}$$

Sequence: A087955
Score: 5.20302
Type of gen. func.: ogf

$\{-a(n+4)+a(n+3)+3a(n+2)-a(n+1), a(0)=1, a(1)=2, a(2)=2,$

$a(3)=8\}$

Sequence: A087955
Score: 5.77141
Type of gen. func.: ogf

$$(-5 + 8 f(x)) (f(x) x^3 - 3 f(x) x^2 - x^3 - f(x) x + 3 x^2 + f(x) - x - 1)$$

Sequence: A087955
Score: 9.95359
Type of gen. func.: ogf

$$\frac{(x - 1) (x^2 - 2 x - 1)}{x^3 - 3 x^2 - x + 1}$$

Sequence: A087956
Score: 10.0531
Type of gen. func.: ogf

$$\frac{(x - 1) (x^2 - 3 x - 1)}{x^3 - 3 x^2 - x + 1}$$

Sequence: A087956
Score: 11.7229
Type of gen. func.: lgdogf

$$\frac{x^4 - 6 x^3 + 10 x^2 - 2 x + 3}{(x - 1) (x^2 - 3 x - 1) (x^3 - 3 x^2 - x + 1)}$$

Sequence: A087956
Score: 5.21553
Type of gen. func.: ogf

{a(n + 4) - a(n + 3) - 3 a(n + 2) + a(n + 1), a(0) = 1, a(1) = 3, a(2) = 2,

a(3) = 11}

Sequence: A087956
Score: 5.46193
Type of gen. func.: ogf

$$-(-413 + 558 f(x)) (f(x) x^3 - 3 f(x) x^2 - x^3 - f(x) x + 4 x^2 + f(x) - 2 x - 1)$$

Sequence: A087957
Score: 11.1260
Type of gen. func.: lgdogf

$$\frac{2 (x^4 - 4 x^3 + 7 x^2 - 2 x + 2)}{(x - 1) (x^2 - 4 x - 1) (x^3 - 3 x^2 - x + 1)}$$

Sequence: A087957
Score: 5.03786
Type of gen. func.: ogf

$\{a(n + 4) - a(n + 3) - 3 a(n + 2) + a(n + 1), a(0) = 1, a(1) = 4, a(2) = 2,$

$a(3) = 14\}$

Sequence: A087957
Score: 5.27587
Type of gen. func.: ogf

$$-(-155 + 181 f(x)) (f(x) x^3 - 3 f(x) x^2 - x^3 - f(x) x + 5 x^2 + f(x) - 3 x - 1)$$

Sequence: A087957
Score: 9.71067
Type of gen. func.: ogf

$$\frac{(x - 1) (x^2 - 4 x - 1)}{x^3 - 3 x^2 - x + 1}$$

Sequence: A087958
Score: 10.8169
Type of gen. func.: lgdogf

$$\frac{3 x^4 - 10 x^3 + 18 x^2 - 6 x + 5}{}$$

$$(x - 1) (x^2 - 5 x - 1) (x^3 - 3 x^2 - x + 1)$$

Sequence: A087958
Score: 5.06344
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3) - 3 a(n + 2) + a(n + 1), a(0) = 1, a(1) = 5, a(2) = 2,$$
$$a(3) = 17\}$$

Sequence: A087958
Score: 5.22044
Type of gen. func.: ogf

$$-(-2873 + 2954 f(x))$$
$$(f(x) x^3 - 3 f(x) x^2 - x^3 - f(x) x + 6 x^2 + f(x) - 4 x - 1)$$

Sequence: A087958
Score: 9.75997
Type of gen. func.: ogf

$$\frac{(x - 1) (x^2 - 5 x - 1)}{x^3 - 3 x^2 - x + 1}$$

Sequence: A087960
Score: 14.7828
Type of gen. func.: ogf

$$\{-a(n + 2) - a(n), a(0) = 1, a(1) = -1\}$$

Sequence: A087960
Score: 21.0244
Type of gen. func.: ogf

$$f(x) x^2 + f(x) + x - 1$$

Sequence: A087960
Score: 23.0756
Type of gen. func.: ogf

$$-\frac{x-1}{x^2+1}$$

Sequence: A087960
Score: 32.5538
Type of gen. func.: ogf_with_Euler_transform]

$$[x^3 - x - 1]$$

Sequence: A087960
Score: 33.0970
Type of gen. func.: revogf

$$-\frac{-1+(-4x^2-4x+1)^{1/2}}{2(x+1)}$$

Sequence: A087960
Score: 42.9035
Type of gen. func.: lgdogf

$$-\frac{x^2-2x-1}{(x-1)(x^2+1)}$$

Sequence: A087981
Score: 6.97020
Type of gen. func.: ogf

$\{(2n+4)a(n+1)+(n+2)a(n+2)-a(n+3), a(0)=1, a(1)=0, a(2)=2$

$\}$

Sequence: A087981
Score: 91.7381

Type of gen. func.: lgdegf]

$$-\frac{2\,x}{x-1}$$

Sequence: A087995
Score: 5.70057
Type of gen. func.: ogf

$$-x\,(81\,x^{14}-19\,x^{13}-19\,x^{12}-19\,x^{11}-19\,x^{10}-101\,x^{9}-x^{4}-x^{3}-x^{2}-x-1) \Big/ \left((x^{4}+x^{3}+x^{2}+x+1)\,(x-1)^{2}\right)$$

Sequence: A088002
Score: 16.6795
Type of gen. func.: ogf

$$\frac{x^{2}+1}{x^{5}+x^{2}+1}$$

Sequence: A088002
Score: 29.8205
Type of gen. func.: lgdogf

$$-\frac{x^{4}\,(3\,x^{2}+5)}{(x^{2}+1)\,(x^{5}+x^{2}+1)}$$

Sequence: A088003
Score: 16.5748
Type of gen. func.: lgdogf

$$-\frac{2\,(4\,x^{3}+7\,x^{2}+7\,x+2)}{(x-1)\,(x+1)\,(2\,x^{2}+2\,x+1)}$$

Sequence: A088003
Score: 9.53905
Type of gen. func.: ogf

$$\frac{2 x^2 + 2 x + 1}{(x + 1)^2 (x - 1)^4}$$

Sequence: A088009
Score: 12.4766
Type of gen. func.: lgdegf]

$$- \frac{2 x^5 - x^4 + 4 x^3 - 2 x^2 - 6 x - 1}{(x^2 + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A088009
Score: 3.67671
Type of gen. func.: egf]

{(n + 4) a(n + 4) - a(n + 3) + (-2 n - 4) a(n + 2) - a(n + 1) + a(n) n,

a(0) = 1, a(1) = 1, a(2) = 1/2, a(3) = 7/6}

Sequence: A088013
Score: 10.7891
Type of gen. func.: ogf

$$- \frac{(x - 1) (2 x^2 + 2 x - 1)}{(2 x^2 - 1) (2 x^2 - 4 x + 1)}$$

Sequence: A088013
Score: 5.82421
Type of gen. func.: ogf

$$(16 f(x) + 13) (4 f(x) x^4 - 8 f(x) x^3 + 2 x^3 + 4 f(x) x - f(x) - 3 x + 1)$$

Sequence: A088013
Score: 8.60138
Type of gen. func.: lgdogf

$$-\frac{8 x^6 - 36 x^4 + 48 x^3 - 18 x^2 + 1}{(x - 1) (2 x^2 - 1) (2 x^2 + 2 x - 1) (2 x^2 - 4 x + 1)}$$

Sequence: A088014
Score: 4.8555
Type of gen. func.: ogf

$$-(245 f(x) - 102) \left(2 f(x) x^4 + 4 f(x) x^3 - 3 f(x) x^2 - 2 x^3 - 2 f(x) x + 3 x^2 + f(x) + 3 x - 2 \right)$$

Sequence: A088014
Score: 8.73979
Type of gen. func.: lgdogf

$$-\frac{4 x^6 - 12 x^5 - 24 x^4 + 21 x^2 - 6 x - 1}{(x - 2) (2 x - 1) (x + 1) (2 x^2 - 1) (x^2 + 2 x - 1)}$$

Sequence: A088014
Score: 9.14348
Type of gen. func.: ogf

$$\frac{(x - 2) (2 x - 1) (x + 1)}{(2 x^2 - 1) (x^2 + 2 x - 1)}$$

Sequence: A088015
Score: 6.70334
Type of gen. func.: lgdogf

$$-\frac{2 x (4 x^7 - 2 x^6 + 4 x^5 + 2 x^4 - 3 x^3 - 14 x^2 + 15 x - 4)}{(x - 1) (2 x^2 - 1) (x^2 + 2 x - 1) (4 x^4 - x^3 - 3 x^2 + 3 x - 1)}$$

Sequence: A088015
Score: 7.53384
Type of gen. func.: ogf

$$\frac{4 x^4 - x^3 - 3 x^2 + 3 x - 1}{(x - 1) (2 x^2 - 1) (x^2 + 2 x - 1)}$$

Sequence: A088016
Score: 10.9540
Type of gen. func.: lgdogf

$$\frac{x^4 - 10 x^3 + 14 x^2 - 6 x - 1}{(x - 1) (x^2 - x + 1) (x^3 - x^2 - 3 x + 1)}$$

Sequence: A088016
Score: 4.87490
Type of gen. func.: ogf

$$\{-a(n + 4) + 3 a(n + 3) + a(n + 2) - a(n + 1), a(0) = 1, a(1) = 1, a(2) = 6, a(3) = 17\}$$

Sequence: A088016
Score: 5.06532
Type of gen. func.: ogf

$$-(197 + 1304 f(x)) (f(x) x^3 - f(x) x^2 + x^3 - 3 f(x) x - 2 x^2 + f(x) + 2 x - 1)$$

Sequence: A088016
Score: 9.39655
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^2 - x + 1)}{x^3 - x^2 - 3 x + 1}$$

Sequence: A088026
Score: 3.91357
Type of gen. func.: egf]

$$\{(16 n^3 + 32 n^2 + 12 n) a(n) + (-8 n^2 - 24 n - 18) a(n + 1) + (n + 2) a(n + 2),$$
$$a(0) = 1, a(1) = 2\}$$

Sequence: A088037
Score: 4.02529
Type of gen. func.: ogf

$$\{-a(n + 5) + 7 a(n + 4) - 14 a(n + 3) + 8 a(n + 2), a(0) = 4, a(1) = 9,$$
$$a(2) = 9, a(3) = 49, a(4) = 225\}$$

Sequence: A088037
Score: 4.10858
Type of gen. func.: ogf

$$-(95643 f(x) - 1359734) ($$
$$8 f(x) x^3 - 64 x^4 - 14 f(x) x^2 + 80 x^3 + 7 f(x) x + 2 x^2 - f(x) - 19 x + 4)$$

Sequence: A088037
Score: 5.50190
Type of gen. func.: lgdogf

$$\frac{512 x^6 - 1792 x^5 + 2480 x^4 - 1680 x^3 + 588 x^2 - 108 x + 9}{(x - 1) (2 x + 1) (2 x - 1) (-1 + 4 x) (32 x^3 - 56 x^2 + 27 x - 4)}$$

Sequence: A088037
Score: 7.35485
Type of gen. func.: ogf

$$\frac{(2 x + 1) (32 x^3 - 56 x^2 + 27 x - 4)}{(x - 1) (2 x - 1) (-1 + 4 x)}$$

Sequence: A088038
Score: 5.43383
Type of gen. func.: ogf

$$-\frac{3904 x^5 - 6104 x^4 + 2502 x^3 - 329 x^2 + 56 x - 8}{(x - 1) (8 x - 1) (2 x - 1) (-1 + 4 x)}$$

Sequence: A088039
Score: 11.2590
Type of gen. func.: ogf

$$-\frac{2 x^3 - x^2 + 2 x - 2}{(2 x - 1) (x - 1)}$$

Sequence: A088039
Score: 11.4078
Type of gen. func.: lgdogf

$$\frac{4 x^4 - 12 x^3 + 5 x^2 + 6 x - 4}{(x - 1) (2 x - 1) (2 x^3 - x^2 + 2 x - 2)}$$

Sequence: A088039
Score: 5.97216
Type of gen. func.: ogf

$$\{-a(n + 4) + 3 a(n + 3) - 2 a(n + 2), a(0) = 2, a(1) = 4, a(2) = 9, a(3) = 17\}$$

Sequence: A088039
Score: 6.35924
Type of gen. func.: ogf

$$-(74 f(x) + 307) (2 f(x) x^2 + 2 x^3 - 3 f(x) x - x^2 + f(x) + 2 x - 2)$$

Sequence: A088040
Score: 3.21956
Type of gen. func.: ogf

$$(81920 x^7 - 75776 x^6 - 45184 x^5 + 43696 x^4 - 2840 x^3 - 2530 x^2 + 415 x - 16)/((x - 1) (-1 + 4 x) (2 x - 1) (8 x - 1) (16 x - 1))$$

Sequence: A088041
Score: 10.7585
Type of gen. func.: lgdogf

$$\frac{(2 x^2 - 1) (8 x^3 - 18 x^2 + 12 x - 3)}{(x - 1) (2 x - 1) (4 x^4 - 2 x^2 - 3 x + 2)}$$

Sequence: A088041
Score: 11.6932
Type of gen. func.: ogf

$$\frac{4 x^4 - 2 x^2 - 3 x + 2}{(2 x - 1) (x - 1)}$$

Sequence: A088041
Score: 5.66102
Type of gen. func.: ogf

$$\{-a(n + 5) + 3 a(n + 4) - 2 a(n + 3), a(0) = 2, a(1) = 3, a(2) = 3, a(3) = 3, a(4) = 7\}$$

Sequence: A088041
Score: 6.79321
Type of gen. func.: ogf

$$-(f(x) - 2) (-4 x^4 + 2 f(x) x^2 - 3 f(x) x + 2 x^2 + f(x) + 3 x - 2)$$

Sequence: A088059
Score: 3.28233
Type of gen. func.: ogf

2

$$\frac{x - 2x - 1}{(x-1)^{3}}$$

Sequence: A088059
Score: 5.88888
Type of gen. func.: lgdogf

$$-\frac{x^{2} - 2x - 5}{(x-1)(x^{2} - 2x - 1)}$$

Sequence: A088116
Score: 6.61950
Type of gen. func.: ogf

$$\frac{2x^{11}(9x^{8} + 8x^{7} + 7x^{6} + 6x^{5} + 5x^{4} + 4x^{3} + 3x^{2} + 2x + 1)}{(x-1)^{2}(x+1)^{2}(x^{4} + x^{3} + x^{2} + x + 1)^{2}(x^{4} - x^{3} + x^{2} - x + 1)^{2}}$$

Sequence: A088117
Score: 4.42453
Type of gen. func.: ogf

$$\frac{x^{10}(9x^{8} + 8x^{7} + 7x^{6} + 6x^{5} + 5x^{4} + 4x^{3} + 3x^{2} + 2x + 1)}{(x-1)^{2}(x+1)^{2}(x^{4} + x^{3} + x^{2} + x + 1)^{2}(x^{4} - x^{3} + x^{2} - x + 1)^{2}}$$

Sequence: A088126
Score: 16.9479
Type of gen. func.: lgdogf

$$\frac{33x^{32} + 19x^{18} + 7x^{6} + 2x + 18}{x^{33} + x^{19} + x^{7} + x^{2} + 18x + 1}$$

Sequence: A088127
Score: 3.62999

Type of gen. func.: ogf

$$\{(-2 n^2 - 10 n - 12) a(n + 1) + (-n^2 - 3 n) a(n + 2) + (6 + 2 n) a(n + 3) - a(n + 4), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 14\}$$

Sequence: A088131
Score: 10.2227
Type of gen. func.: lgdogf

$$\frac{4 x^4 - 22 x^3 + 25 x^2 - 8 x - 1}{(x - 1) (2 x^2 - 2 x + 1) (x^3 - 4 x + 1)}$$

Sequence: A088131
Score: 10.2635
Type of gen. func.: ogf

$$- \frac{(x - 1) (2 x^2 - 2 x + 1)}{x^3 - 4 x + 1}$$

Sequence: A088131
Score: 5.44414
Type of gen. func.: ogf

$$\{-a(n + 4) + 4 a(n + 3) - a(n + 1), a(0) = 1, a(1) = 1, a(2) = 8, a(3) = 29\}$$

Sequence: A088131
Score: 5.69161
Type of gen. func.: ogf

$$-(1667 f(x) + 503) (f(x) x^3 + 2 x^3 - 4 f(x) x - 4 x^2 + f(x) + 3 x - 1)$$

Sequence: A088132
Score: 14.2659
Type of gen. func.: ogf

x - 1

$$-\frac{\quad}{x^3 - 4x + 1}$$

Sequence: A088132
Score: 18.5075
Type of gen. func.: lgdogf

$$-\frac{2x^3 - 3x^2 + 3}{(x - 1)(x^3 - 4x + 1)}$$

Sequence: A088132
Score: 6.75754
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - a(n), a(0) = 1, a(1) = 3, a(2) = 12\}$$

Sequence: A088132
Score: 7.13297
Type of gen. func.: ogf

$$-(19 f(x) - 1) (f(x) x^3 - 4 f(x) x + f(x) + x - 1)$$

Sequence: A088137
Score: 13.2556
Type of gen. func.: ogf

$$-3 f(x) x^2 + 2 f(x) x - f(x) + x$$

Sequence: A088137
Score: 23.6995
Type of gen. func.: ogf

$$\frac{x}{3x^2 - 2x + 1}$$

Sequence: A088137
Score: 34.7087
Type of gen. func.: lgdogf

$$-\frac{2(3x-1)}{3x^2-2x+1}$$

Sequence: A088137
Score: 9.65533
Type of gen. func.: ogf

$$\{a(n+2)-2a(n+1)+3a(n), a(0)=0, a(1)=1\}$$

Sequence: A088138
Score: 12.4809
Type of gen. func.: ogf

$$4f(x)x^2-2f(x)x+f(x)-x$$

Sequence: A088138
Score: 22.3144
Type of gen. func.: ogf

$$\frac{x}{4x^2-2x+1}$$

Sequence: A088138
Score: 32.5324
Type of gen. func.: lgdogf

$$-\frac{2(-1+4x)}{4x^2-2x+1}$$

Sequence: A088138
Score: 9.09106
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A088139
Score: 11.5871
Type of gen. func.: ogf

$$-6 f(x) x^2 + 2 f(x) x - f(x) + x$$

Sequence: A088139
Score: 20.7164
Type of gen. func.: ogf

$$\frac{x}{6 x^2 - 2 x + 1}$$

Sequence: A088139
Score: 28.7061
Type of gen. func.: lgdogf

$$- \frac{2 (6 x - 1)}{6 x^2 - 2 x + 1}$$

Sequence: A088139
Score: 8.44001
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + 6 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A088163
Score: 11.8686
Type of gen. func.: ogf

$$\frac{x (x + 1) (2 x^2 + x + 1)}{(x - 1) (4 x^3 - 1) (x^2 + x + 1)}$$

Sequence: A088163
Score: 7.16819
Type of gen. func.: lgdogf

$$-\frac{24 x^{8} + 48 x^{7} + 40 x^{6} + 24 x^{5} - 15 x^{4} - 20 x^{3} - 21 x^{2} - 6 x - 2}{(x - 1) (x + 1) (x^{2} + x + 1) (2 x^{2} + x + 1) (4 x^{3} - 1)}$$

Sequence: A088166
Score: 3.98726
Type of gen. func.: ogf

$$-\frac{2 (x^{7} - 7 x^{6} - 17 x^{4} + 131 x^{3} - 6 x^{2} + 6 x - 6)}{(x^{2} - 7 x + 1) (x^{2} - 3 x + 1) (x^{4} + 3 x^{3} + 8 x^{2} + 3 x + 1)}$$

Sequence: A088180
Score: 4.81807
Type of gen. func.: ogf

$$(9 x^{10} + 13 x^{9} + 26 x^{8} + 25 x^{7} - 22 x^{6} + 23 x^{5} - 6 x^{4} - 2 x^{3} + 3 x^{2} - 5 x - 1) \Big/ ((x - 1) (x + 1) (19 x^{2} - 1) (x^{3} + x^{2} + 2 x + 1) (x^{3} - x^{2} + 2 x - 1))$$

Sequence: A088209
Score: 18.1441
Type of gen. func.: lgdogf

$$-\frac{x^{4} - x^{3} - 5 x - 3}{(x^{2} + x - 1) (x^{3} - x - 1)}$$

Sequence: A088209
Score: 5.03908
Type of gen. func.: ogf

$$-(125 f(x) + 34) (f(x) x^{4} + 2 f(x) x^{3} - f(x) x^{2} + x^{3} - 2 f(x) x + f(x) - x - 1)$$

Sequence: A088209
Score: 9.93212
Type of gen. func.: ogf

$$-\frac{x^3 - x - 1}{(x^2 + x - 1)^2}$$

Sequence: A088210
Score: 16.9863
Type of gen. func.: lgdogf

$$-\frac{x^3 - x^2 + x - 5}{(x - 1)\,(x + 1)\,(x^2 + 2\,x - 1)}$$

Sequence: A088210
Score: 4.89599
Type of gen. func.: ogf

(6 f(x) + 11)

$$(f(x)\,x^4 + 4\,f(x)\,x^3 + 2\,f(x)\,x^2 + x^3 - 4\,f(x)\,x + x^2 + f(x) - x - 1)$$

Sequence: A088210
Score: 8.77464
Type of gen. func.: ogf

$$-\frac{(x - 1)\,(x + 1)^2}{(x^2 + 2\,x - 1)^2}$$

Sequence: A088211
Score: 14.7776
Type of gen. func.: lgdogf

```
                  4    3
               2 (x  - x  + x + 1)
    - ------------------------------------
         2                3    2
```

$$(x + 2 x - 1) (2 x + x - 2 x + 1)$$

Sequence: A088211
Score: 4.91559
Type of gen. func.: ogf

$$-(-1 + 2 f(x))$$

$$(f(x) x^4 + 4 f(x) x^3 + 2 f(x) x^2 - 2 x^3 - 4 f(x) x - x^2 + f(x) + 2 x - 1)$$

Sequence: A088211
Score: 9.00127
Type of gen. func.: ogf

$$\frac{2 x^3 + x^2 - 2 x + 1}{(x^2 + 2 x - 1)^2}$$

Sequence: A088218
Score: 10.339
Type of gen. func.: ogf

$$-4 f(x)^2 x + f(x)^2 + 4 f(x) x - f(x) - x$$

Sequence: A088218
Score: 7.86195
Type of gen. func.: ogf

$$\{(-4 n - 2) a(n) + (n + 1) a(n + 1), a(0) = 1, a(1) = 1\}$$

Sequence: A088225
Score: 11.3094
Type of gen. func.: ogf

$$\frac{3 x^4 + x^3 + x^2 + 4 x + 2}{(x + 1) (x^2 + 1) (x - 1)^2}$$

```
------------------------------------------------------------------------------

Sequence:  A088225
Score: 9.59906
Type of gen. func.: lgdogf

                  7      6      5       4       3       2
               3 x  + 5 x  + 7 x  + 21 x  + 28 x  + 10 x  + 8 x + 6
             - ----------------------------------------------------
                                 2          4    3    2
               (x - 1) (x + 1) (x  + 1) (3 x  + x  + x  + 4 x + 2)


------------------------------------------------------------------------------

Sequence:  A088226
Score: 12.9152
Type of gen. func.: ogf_with_Euler_transform]

                                  4    3      2
                               2 x  + x  + 2 x  + 1
                             - --------------------
                                   3    2
                                 -x  - x  - x - 1


------------------------------------------------------------------------------

Sequence:  A088227
Score: 11.1132
Type of gen. func.: ogf

                              4      3    2
                           2 x  + 4 x  + x  + 4 x + 2
                           --------------------------
                                     2             2
                           (x + 1) (x  + 1) (x - 1)


------------------------------------------------------------------------------

Sequence:  A088227
Score: 9.12326
Type of gen. func.: lgdogf

                 7       6      5       4       3       2
              2 x  + 10 x  + 9 x  + 23 x  + 27 x  + 19 x  + 8 x + 6
            - ----------------------------------------------------
                                2          4      3    2
              (x - 1) (x + 1) (x  + 1) (2 x  + 4 x  + x  + 4 x + 2)


------------------------------------------------------------------------------

Sequence:  A088265
Score: 8.46109
Type of gen. func.: ogf

                 7       6       5       4       3       2
            100 x  + 80 x  + 40 x  + 20 x  - 19 x  - 17 x  - 13 x - 11
          - ----------------------------------------------------------
                                         2           4
```

$$(x - 1) (x + 1) (x + 1) (10 x - 1)$$

Sequence: A088305
Score: 13.1515
Type of gen. func.: ogf

$$\frac{(x - 1)^2}{x^2 - 3 x + 1}$$

Sequence: A088305
Score: 28.4817
Type of gen. func.: lgdogf

$$- \frac{x + 1}{(x - 1) (x^2 - 3 x + 1)}$$

Sequence: A088305
Score: 6.83364
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 1, a(2) = 3\}$$

Sequence: A088305
Score: 9.81733
Type of gen. func.: ogf

$$-f(x) x^2 + 3 f(x) x + x^2 - f(x) - 2 x + 1$$

Sequence: A088311
Score: 5.54499
Type of gen. func.: egf]

$$\frac{(x + 1) (x^2 + 1) (x^7 - x^6 + 1)}{x^{10} + x^9 + x^8 + x^7 - x^6 - x^5 - x^4 - x^3 + 1}$$

Sequence: A088316
Score: 10.9109
Type of gen. func.: ogf

$$\frac{13 x - 2}{x^2 + 13 x - 1}$$

Sequence: A088316
Score: 12.8584
Type of gen. func.: lgdogf

$$-\frac{13 x^2 - 4 x - 13}{(13 x - 2) (x^2 + 13 x - 1)}$$

Sequence: A088316
Score: 6.10489
Type of gen. func.: ogf

$$\{-a(n + 2) + 13 a(n + 1) + a(n), a(0) = 2, a(1) = 13\}$$

Sequence: A088316
Score: 7.75737
Type of gen. func.: ogf

$$-(173 f(x) - 177) (f(x) x^2 + 13 f(x) x - f(x) - 13 x + 2)$$

Sequence: A088317
Score: 10.5980
Type of gen. func.: ogf

$$\frac{-1 + 4 x}{x^2 + 8 x - 1}$$

Sequence: A088317
Score: 13.2957
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^2 - x - 2)}{(-1 + 4\,x)\,(x^2 + 8\,x - 1)}$$

Sequence: A088317
Score: 5.81599
Type of gen. func.: ogf

$$\{-a(n + 2) + 8\,a(n + 1) + a(n),\ a(0) = 1,\ a(1) = 4\}$$

Sequence: A088317
Score: 9.09293
Type of gen. func.: ogf

$$(1105\,f(x) - 849)\,(f(x)\,x^2 + 8\,f(x)\,x - f(x) - 4\,x + 1)$$

Sequence: A088320
Score: 12.0411
Type of gen. func.: lgdogf

$$-\frac{5\,x^2 - 2\,x - 5}{(5\,x - 1)\,(x^2 + 10\,x - 1)}$$

Sequence: A088320
Score: 5.35920
Type of gen. func.: ogf

$$\{-a(n + 2) + 10\,a(n + 1) + a(n),\ a(0) = 1,\ a(1) = 5\}$$

Sequence: A088320
Score: 8.63476
Type of gen. func.: ogf

$$-(52\,f(x) - 27)\,(f(x)\,x^2 + 10\,f(x)\,x - f(x) - 5\,x + 1)$$

Sequence: A088320
Score: 9.66987
Type of gen. func.: ogf

$$\frac{5 x - 1}{x^{2} + 10 x - 1}$$

Sequence: A088327
Score: 18.6496
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{4}{(1 + (1 - 4 x)^{1/2})^{2}}$$

Sequence: A088336
Score: 3.81209
Type of gen. func.: ogf

$$\{(2 n^{2} + 10 n + 12) a(n + 1) + (-2 n - 6) a(n + 2) + (n + 4) a(n + 3) - a(n + 4), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 3\}$$

Sequence: A088381
Score: 8.37930
Type of gen. func.: lgdogf

$$\frac{2 (4 x^{14} - 5 x^{13} + 5 x^{12} - 6 x^{11} - 4 x^{5} + 6 x^{4} - 8 x^{3} + 12 x^{2} - 4 x + 6)}{(x - 1) (x^{2} + 1) (x^{12} + 8 x^{3} - 10 x^{2} + 8 x - 10)}$$

Sequence: A088381
Score: 9.99802
Type of gen. func.: ogf

$$- \frac{x^{12} + 8 x^{3} - 10 x^{2} + 8 x - 10}{(x - 1)^{2} (x^{2} + 1)}$$

Sequence: A088386
Score: 4.31487
Type of gen. func.: ogf

$$\{(-2 n^3 - 12 n^2 - 24 n - 16) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A088436
Score: 11.1716
Type of gen. func.: lgdegf]

$$-\frac{x^5 - 2 x^4 - x^3 + 6 x^2 - 5 x + 3}{(x - 1) (x^3 - x^2 - x + 2)}$$

Sequence: A088439
Score: 12.6560
Type of gen. func.: ogf

$$-\frac{x (x^4 + x^3 - 3 x^2 - x - 1)}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A088439
Score: 12.9853
Type of gen. func.: lgdogf

$$-\frac{2 x^6 + 3 x^5 - 12 x^4 - x^3 - 3 x^2 - 6 x - 1}{(x - 1) (x^2 + x + 1) (x^4 + x^3 - 3 x^2 - x - 1)}$$

Sequence: A088440
Score: 10.5520
Type of gen. func.: ogf

$$-\frac{x (x^6 + x^5 + x^4 - 4 x^3 - x^2 - x - 1)}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A088440
Score: 9.58062
Type of gen. func.: lgdogf

$$-\frac{2x^9+3x^8+4x^7-20x^6-2x^4-4x^3-12x^2-2x-1}{(x-1)(x+1)(x^2+1)(x^6+x^5+x^4-4x^3-x^2-x-1)}$$

Sequence: A088441
Score: 9.63119
Type of gen. func.: ogf

$$\frac{x^8-x^6+x^5+3x^4+x^2+3x+1}{(x+1)(x^2-x+1)(x-1)^2(x^2+x+1)}$$

Sequence: A088472
Score: 10.0275
Type of gen. func.: ogf

$$-\frac{x^{12}+8x^{11}+81x^{10}-90x^9-1}{(x-1)^2}$$

Sequence: A088472
Score: 9.34471
Type of gen. func.: lgdogf

$$\frac{2(5x^{12}+30x^{11}+280x^{10}-720x^9+405x^8+1)}{(x-1)(x^{12}+8x^{11}+81x^{10}-90x^9-1)}$$

Sequence: A088475
Score: 10.0252
Type of gen. func.: ogf

$$\{-a(n+2)+2a(n+1)-a(n), a(0)=10, a(1)=11\}$$

Sequence: A088475
Score: 18.3070
Type of gen. func.: ogf

$$-\frac{9x-10}{(x-1)^2}$$

Sequence: A088475
Score: 31.7447
Type of gen. func.: revogf

$$-\frac{-5-x+(25+x)^{1/2}}{9+x}$$

Sequence: A088475
Score: 33.0144
Type of gen. func.: lgdogf

$$-\frac{-11+9x}{(x-1)(9x-10)}$$

Sequence: A088475
Score: 9.56955
Type of gen. func.: ogf

$$(2f(x)+101)(f(x)x^2-2f(x)x+f(x)+9x-10)$$

Sequence: A088476
Score: 7.07664
Type of gen. func.: ogf

$$-\frac{8x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-10}{(x^2+x+1)(x^6+x^3+1)(x-1)^2}$$

Sequence: A088480
Score: 10.0124
Type of gen. func.: ogf

$$-(f(x) + 1) (f(x) x^2 - 2 f(x) x + f(x) - 1)$$

Sequence: A088480
Score: 10.3787
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A088480
Score: 104.265
Type of gen. func.: lgdogf

$$-\frac{2}{x - 1}$$

Sequence: A088480
Score: 25.7896
Type of gen. func.: ogf

$$\frac{1}{(x - 1)^2}$$

Sequence: A088480
Score: 36.2661
Type of gen. func.: revogf

$$\frac{4 x}{(1 + (1 + 4 x)^{1/2})^2}$$

Sequence: A088481
Score: 7.77536
Type of gen. func.: ogf

8 7 6 5 4 3 2

$$\frac{2 x + x + x + x + x + x + x + x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A088492
Score: 7.36546
Type of gen. func.: lgdogf

$$(12 x^{17} - 36 x^{15} + 36 x^{13} - 6 x^{11} - 18 x^9 + 16 x^7 - x^4 - 12 x^3 + 6 x^2 + 8 x + 3) \Big/ ((x - 1) (x + 1) (x^{16} - 2 x^{14} + x^{12} + x^{10} - 2 x^8 + 3 x^4 + x^3 - 3 x - 2))$$

Sequence: A088492
Score: 8.74524
Type of gen. func.: ogf

$$- \frac{x^{16} - 2 x^{14} + x^{12} + x^{10} - 2 x^8 + 3 x^4 + x^3 - 3 x - 2}{(x - 1)^2 (x + 1)^2}$$

Sequence: A088505
Score: 5.63888
Type of gen. func.: ogf

$$\{(8 n + 26) a(n + 1) + (-n - 3) a(n + 2), a(0) = 5, a(1) = 45\}$$

Sequence: A088505
Score: 8.25273
Type of gen. func.: revogf

$$\frac{((2 x + 1)^{(1/5)} - 1) ((2 x + 1)^{(1/5)} + 1) ((2 x + 1)^{(2/5)} + 1)}{8 (2 x + 1)^{4/5}}$$

Sequence: A088506
Score: 3.76926

Type of gen. func.: ogf

$$\{(-2 n^2 - 10 n - 12) a(n + 1) + (6 + 2 n) a(n + 2) + (-n - 4) a(n + 3) + a(n + 4), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 3\}$$

Sequence: A088518
Score: 6.26851
Type of gen. func.: ogf

$$-f(x)^2 x^4 - x^3 f(x)^2 + f(x) x^4 + f(x)^2 x^2 - 3 f(x) x^2 + x^2 + f(x) - x - 1$$

Sequence: A088520
Score: 6.60368
Type of gen. func.: ogf

$$\frac{2 x^8 - x^7 - 6 x^6 + 13 x^5 - 14 x^4 + 11 x^3 - 6 x^2 + 3 x + 1}{(x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A088545
Score: 8.35031
Type of gen. func.: ogf

$$-\frac{x^4 - 4 x^3 - 9 x^2 + 6 x + 1}{(x - 1) (x^2 + 3 x + 1) (x^2 - 7 x + 1)}$$

Sequence: A088556
Score: 12.5589
Type of gen. func.: ogf

$$-\frac{4 x^2 + 3 x - 6}{(x - 1) (-1 + 4 x) (x + 1)}$$

Sequence: A088556
Score: 6.43775
Type of gen. func.: ogf

$$(16657 f(x) + 22916) (4 f(x) x^3 - f(x) x^2 - 4 f(x) x + 4 x^2 + f(x) + 3 x - 6)$$

Sequence: A088556
Score: 6.72011
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) - a(n + 1) + 4 a(n), a(0) = 6, a(1) = 21, a(2) = 86\}$$

Sequence: A088556
Score: 9.84740
Type of gen. func.: lgdogf

$$- \frac{16 x^4 + 24 x^3 - 59 x^2 + 4 x + 21}{(x - 1) (-1 + 4 x) (x + 1) (4 x^2 + 3 x - 6)}$$

Sequence: A088578
Score: 12.8352
Type of gen. func.: ogf

$$- \frac{4 x^2 - 2 x + 1}{(x - 1) (2 x - 1)^2}$$

Sequence: A088578
Score: 13.7441
Type of gen. func.: lgdogf

$$- \frac{8 x^3 - 4 x^2 + 2 x - 3}{(x - 1) (2 x - 1) (4 x^2 - 2 x + 1)}$$

Sequence: A088578
Score: 6.92876
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 8 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 3, a(2) = 11\}$$

Sequence: A088578
Score: 6.99062
Type of gen. func.: ogf

$$(37 f(x) - 9) (4 f(x) x^3 - 8 f(x) x^2 + 5 f(x) x + 4 x^2 - f(x) - 2 x + 1)$$

Sequence: A088581
Score: 11.9289
Type of gen. func.: ogf

$$- \frac{9 x^2 - 3 x + 1}{(x - 1) (3 x - 1)^2}$$

Sequence: A088581
Score: 12.3308
Type of gen. func.: lgdogf

$$- \frac{(3 x - 2) (9 x^2 + 3 x + 2)}{(x - 1) (3 x - 1) (9 x^2 - 3 x + 1)}$$

Sequence: A088581
Score: 6.4312
Type of gen. func.: ogf

$$(103 f(x) - 39) (9 f(x) x^3 - 15 f(x) x^2 + 7 f(x) x + 9 x^2 - f(x) - 3 x + 1)$$

Sequence: A088581
Score: 6.48762
Type of gen. func.: ogf

{a(n + 3) - 7 a(n + 2) + 15 a(n + 1) - 9 a(n), a(0) = 1, a(1) = 4, a(2) = 22}

Sequence: A088582

Score: 11.3144
Type of gen. func.: lgdogf

$$-\frac{64 x^3 - 16 x^2 - 4 x - 5}{(x - 1) (-1 + 4 x) (16 x^2 - 4 x + 1)}$$

Sequence: A088582
Score: 11.4708
Type of gen. func.: ogf

$$-\frac{16 x^2 - 4 x + 1}{(x - 1) (-1 + 4 x)^2}$$

Sequence: A088582
Score: 6.22144
Type of gen. func.: ogf

$$(380 f(x) - 177) (16 f(x) x^3 - 24 f(x) x^2 + 9 f(x) x + 16 x^2 - f(x) - 4 x + 1)$$

Sequence: A088582
Score: 6.38374
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 24 a(n + 1) - 16 a(n), a(0) = 1, a(1) = 5, a(2) = 37\}$$

Sequence: A088625
Score: 102.130
Type of gen. func.: lgdogf

$$-\frac{9}{x - 1}$$

Sequence: A088625
Score: 4.43485
Type of gen. func.: ogf

$$\{(-6 + n) a(n + 2) + (-2 - n) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0,$$

a(4) = 0, a(5) = 0, a(6) = 0, a(7) = 0, a(8) = 14}

Sequence: A088625
Score: 7.86969
Type of gen. func.: ogf

$$-\frac{14 x^{8}}{(x - 1)^{9}}$$

Sequence: A088626
Score: 5.79526
Type of gen. func.: ogf

$$-\frac{42 x^{10}}{(x - 1)^{11}}$$

Sequence: A088626
Score: 85.4163
Type of gen. func.: lgdogf

$$-\frac{11}{x - 1}$$

Sequence: A088648
Score: 10.3480
Type of gen. func.: lgdogf

$$\frac{16 x^{6} - 18 x^{5} - 10 x^{4} - 2 x^{3} + 6 x^{2} - 7 x - 5}{(x - 1) (4 x^{6} + 2 x^{5} - 2 x^{3} + 2 x^{2} + 3 x + 1)}$$

Sequence: A088648
Score: 10.8250
Type of gen. func.: ogf

6   5   3   2

$$\frac{4 x + 2 x - 2 x + 2 x + 3 x + 1}{(x - 1)^2}$$

Sequence: A088650
Score: 4.13745
Type of gen. func.: ogf

$$-\frac{6 x^6 + 2 x^2 + x + 1}{x - 1}$$

Sequence: A088666
Score: 7.76854
Type of gen. func.: ogf

$$-\frac{2 x^9 + 7 x^8 + 2 x^7 + 7 x^6 + 6 x^5 + 7 x^4 + 2 x^3 + 7 x^2 + 2 x + 1}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A088667
Score: 9.35182
Type of gen. func.: ogf

$$-\frac{7 x^9 + 2 x^8 + 7 x^7 + 2 x^6 + x^5 + 2 x^4 + 7 x^3 + 2 x^2 + 7 x + 6}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A088688
Score: 6.79422
Type of gen. func.: lgdogf

$$-\frac{3 (4 x^7 + 13 x^6 - 54 x^5 + 80 x^4 - 64 x^3 + 30 x^2 - 8 x + 1)}{(2 x - 1) (x^2 - x + 1) (3 x^2 - 3 x + 1) (x^3 + 3 x^2 - 3 x + 1)}$$

Sequence: A088688
Score: 7.57189
Type of gen. func.: ogf

$$-\frac{x (x^3 + 3 x^2 - 3 x + 1)}{(2 x - 1) (x^2 - x + 1) (3 x^2 - 3 x + 1)}$$

Sequence: A088689
Score: 11.3480
Type of gen. func.: ogf

$$-\frac{x (2 x^3 + 1)}{(x - 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A088689
Score: 13.1443
Type of gen. func.: lgdogf

$$-\frac{4 x^7 - 2 x^6 + 7 x^4 - 8 x^3 + 9 x^2 - 2 x + 1}{(x - 1) (x^2 + x + 1) (x^2 - x + 1) (2 x^3 + 1)}$$

Sequence: A088795
Score: 16.5402
Type of gen. func.: lgdogf

$$-\frac{4 x^4 + 3 x^3 - x^2 + 2}{(x - 1) (x + 1) (2 x^3 - x^2 - x + 1)}$$

Sequence: A088795
Score: 9.52352
Type of gen. func.: ogf

$$\frac{2 x^3 - x^2 - x + 1}{(x + 1) (x - 1)^4}$$

Sequence: A088854
Score: 3.89071
Type of gen. func.: ogf

$$16 f(x)^2 x^4 - 20 x^3 f(x)^2 + 8 f(x)^2 x^2 + 16 f(x) x^3 - f(x)^2 x - 20 f(x) x^2 + 8 f(x) x + 4 x^2 - f(x) - 5 x + 2$$

Sequence: A088859
Score: 11.5335
Type of gen. func.: ogf

$$\frac{x^2 - 6 x + 3}{(2 x - 1) (x^2 + x - 1)}$$

Sequence: A088859
Score: 11.6895
Type of gen. func.: lgdogf

$$- \frac{2 x^4 - 24 x^3 + 15 x^2 + 4 x - 3}{(2 x - 1) (x^2 - 6 x + 3) (x^2 + x - 1)}$$

Sequence: A088859
Score: 5.91214
Type of gen. func.: ogf

$$-(35 f(x) + 1429) (2 f(x) x^3 + f(x) x^2 - 3 f(x) x - x^2 + f(x) + 6 x - 3)$$

Sequence: A088859
Score: 6.28165
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - a(n + 1) - 2 a(n), a(0) = 3, a(1) = 3, a(2) = 7\}$$

Sequence: A088889
Score: 4.43857

Type of gen. func.: ogf

$$\frac{x (x + 1) (x^4 + 17 x^3 + 48 x^2 + 17 x + 1)}{(x - 1)^8}$$

Sequence: A088889
Score: 7.53436
Type of gen. func.: lgdogf

$$- \frac{3 x^5 + 77 x^4 + 397 x^3 + 585 x^2 + 256 x + 26}{(x - 1) (x + 1) (x^4 + 17 x^3 + 48 x^2 + 17 x + 1)}$$

Sequence: A088890
Score: 4.43857
Type of gen. func.: ogf

$$\frac{x (x + 1) (x^4 + 16 x^3 + 46 x^2 + 16 x + 1)}{(x - 1)^8}$$

Sequence: A088890
Score: 7.53436
Type of gen. func.: lgdogf

$$- \frac{3 x^5 + 73 x^4 + 378 x^3 + 558 x^2 + 243 x + 25}{(x - 1) (x + 1) (x^4 + 16 x^3 + 46 x^2 + 16 x + 1)}$$

Sequence: A088891
Score: 3.38866
Type of gen. func.: ogf

$$- \frac{x (x^6 + 29 x^5 + 175 x^4 + 310 x^3 + 175 x^2 + 29 x + 1)}{(x - 1)^9}$$

Sequence: A088891
Score: 5.25656
Type of gen. func.: lgdogf

$$-\frac{3x^6+122x^5+1020x^4+2560x^3+2155x^2+582x+38}{(x-1)(x^6+29x^5+175x^4+310x^3+175x^2+29x+1)}$$

Sequence: A088911
Score: 20.3768
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(x+1)(x^2-x+1)}$$

Sequence: A088911
Score: 25.5968
Type of gen. func.: lgdogf

$$-\frac{4x^3-3x^2+1}{(x-1)(x+1)(x^2-x+1)}$$

Sequence: A088911
Score: 25.9445
Type of gen. func.: ogf_with_Euler_transform]

$$x^5-x^2+1$$

Sequence: A088911
Score: 6.12961
Type of gen. func.: ogf

{a(n + 4) - a(n + 3) + a(n + 1) - a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 0}

Sequence: A088911
Score: 7.61557

Type of gen. func.: ogf

$$(f(x) + 1) (f(x) x^4 - f(x) x^3 + f(x) x - f(x) + 1)$$

Sequence: A088914
Score: 3.15145
Type of gen. func.: ogf

$$-(222849360 f(x) - 23514953) (f(x) x^4 - 21 f(x) x^3 + 56 f(x) x^2 + x^3 - 21 f(x) x + 11 x^2 + f(x) - 11 x - 1)$$

Sequence: A088914
Score: 6.18761
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^2 + 12 x + 1)}{(x^2 - 3 x + 1) (x^2 - 18 x + 1)}$$

Sequence: A088920
Score: 4.19526
Type of gen. func.: ogf

$$(161703 f(x) - 3628) (f(x) x^3 - 35 f(x) x^2 + 35 f(x) x + 2 x^2 - f(x) - 20 x + 2)$$

Sequence: A088920
Score: 4.33747
Type of gen. func.: ogf

$$\{-a(n + 3) + 35 a(n + 2) - 35 a(n + 1) + a(n), a(0) = 2, a(1) = 50, a(2) = 1682\}$$

Sequence: A088920
Score: 7.99720
Type of gen. func.: ogf

$$-\frac{2\,(x^2 - 10\,x + 1)}{(x - 1)\,(x^2 - 34\,x + 1)}$$

Sequence: A088920
Score: 8.21294
Type of gen. func.: lgdogf

$$-\frac{x^4 - 20\,x^3 + 318\,x^2 - 68\,x + 25}{(x - 1)\,(x^2 - 10\,x + 1)\,(x^2 - 34\,x + 1)}$$

Sequence: A088921
Score: 6.98141
Type of gen. func.: ogf

$$-\frac{2\,x^4 - 5\,x^3 + 7\,x^2 - 4\,x + 1}{(2\,x - 1)\,(x - 1)^4}$$

Sequence: A088921
Score: 8.66172
Type of gen. func.: lgdogf

$$-\frac{4\,x^5 - 8\,x^4 + 19\,x^3 - 17\,x^2 + 8\,x - 2}{(x - 1)\,(2\,x - 1)\,(2\,x^4 - 5\,x^3 + 7\,x^2 - 4\,x + 1)}$$

Sequence: A088924
Score: 11.8075
Type of gen. func.: ogf

$$-\frac{x - 1}{(10\,x - 1)\,(9\,x - 1)}$$

Sequence: A088924
Score: 12.9378

Type of gen. func.: revogf

$$-\frac{-19 x - 1 + (x^2 + 34 x + 1)^{1/2}}{2 (1 + 90 x)}$$

Sequence: A088924
Score: 13.2534
Type of gen. func.: lgdogf

$$-\frac{18 (5 x^2 - 10 x + 1)}{(x - 1) (9 x - 1) (10 x - 1)}$$

Sequence: A088924
Score: 6.16613
Type of gen. func.: ogf

$$(53 f(x) + 109) (90 f(x) x^2 - 19 f(x) x + f(x) + x - 1)$$

Sequence: A088924
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 19 a(n + 1) - 90 a(n), a(0) = 1, a(1) = 18\}$$

Sequence: A088927
Score: 22.7621
Type of gen. func.: revogf

$$\frac{x (x - 1) (x + 1)}{2 x^3 - 2 x - 1}$$

Sequence: A088927
Score: 8.44432
Type of gen. func.: ogf

$$-2 f(x)^3 x^3 + f(x)^3 x^2 + 2 f(x) x - f(x) + 1$$

Sequence: A088932
Score: 12.4348
Type of gen. func.: lgdogf

$$-\frac{2 (8 x^7 + x^6 + 2 x^5 + x^4 + 4 x^3 + x^2 + 2 x + 1)}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A088932
Score: 25.9739
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 + x^3 + x + 2$$

Sequence: A088932
Score: 8.12613
Type of gen. func.: ogf

$$-\frac{1}{(x^4 + 1) (x^2 + 1)^2 (x + 1)^3 (x - 1)^5}$$

Sequence: A088938
Score: 3.19591
Type of gen. func.: ogf

$\{(-n - 4) a(n + 1) + (2 n + 9) a(n + 2) + (-n - 6) a(n + 3) + a(n + 4),$

$a(0) = 2, a(1) = 3, a(2) = 5, a(3) = 10\}$

Sequence: A088941
Score: 15.4539
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 9 x^2 + 16 x - 54}{(x - 1) (x^3 - 4 x^2 + 6 x - 12)}$$

Sequence: A088941
Score: 3.98169
Type of gen. func.: ogf

$$\{(55 n^2 + 388 n + 556) a(n + 1) + (-92 n^2 - 429 n - 346) a(n + 2) + (37 n^2 + 113 n + 78) a(n + 3), a(0) = 0, a(1) = 12, a(2) = 54\}$$

Sequence: A088941
Score: 8.17977
Type of gen. func.: ogf

$$\frac{x (x^3 - 4 x^2 + 6 x - 12)}{(x - 1)^5}$$

Sequence: A088942
Score: 10.8315
Type of gen. func.: lgdogf

$$- \frac{2 x^4 - 11 x^3 + 25 x^2 + 170 x + 390}{(x - 1) (x^4 - 5 x^3 + 10 x^2 + 30 x + 60)}$$

Sequence: A088942
Score: 6.43470
Type of gen. func.: ogf

$$\frac{x (x^4 - 5 x^3 + 10 x^2 + 30 x + 60)}{(x - 1)^6}$$

Sequence: A088943
Score: 10.9251
Type of gen. func.: lgdogf

$$- \frac{2 x^4 - 11 x^3 + 25 x^2 - 430 x - 450}{^4 \quad ^3 \quad ^2}$$

$$(x - 1) (x - 5 x + 10 x - 90 x - 60)$$

Sequence: A088943
Score: 6.58791
Type of gen. func.: ogf

$$- \frac{x (x^4 - 5 x^3 + 10 x^2 - 90 x - 60)}{(x - 1)^6}$$

Sequence: A088945
Score: 5.24799
Type of gen. func.: ogf

$$- \frac{x (x^5 - 6 x^4 + 15 x^3 + 60 x^2 + 270 x + 60)}{(x - 1)^7}$$

Sequence: A088945
Score: 8.19941
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - 13 x^4 + 36 x^3 + 345 x^2 + 1740 x + 690}{(x - 1) (x^5 - 6 x^4 + 15 x^3 + 60 x^2 + 270 x + 60)}$$

Sequence: A088954
Score: 19.9327
Type of gen. func.: ogf_with_Euler_transform]

$$x^{15} + x^7 + x^3 + x + 2$$

Sequence: A088954
Score: 6.71288
Type of gen. func.: lgdogf

$$- 2 (16 x^{15} + x^{14} + 2 x^{13} + x^{12} + 4 x^{11} + x^{10} + 2 x^9 + x^8 + 8 x^7 + x^6 + 2 x^5$$

$$+ x^4 + 4 x^3 + x^2 + 2 x + 1) \Big/ ((x - 1) (x + 1) (x^2 + 1) (x^4 + 1)$$

$$(x^8 + 1))$$

Sequence: A088966
Score: 2.52723
Type of gen. func.: ogf

$$(8 f(x) x^2 - 6 f(x) x + f(x) + 10 x - 3)^2$$

Sequence: A088981
Score: 3.51562
Type of gen. func.: ogf

$$\{(2 n + 5) a(n + 1) + 2 a(n + 2) + (-4 n - 8) a(n + 3) + (2 n + 3) a(n + 4),$$

$$a(0) = 7, a(1) = 11, a(2) = 17, a(3) = 25\}$$

Sequence: A088981
Score: 4.59541
Type of gen. func.: ogf

$$(4 f(x) - 109)$$

$$(f(x) x^4 - f(x) x^3 - 2 f(x) x^2 + 3 x^3 + 3 f(x) x - 2 x^2 - f(x) - 10 x + 7)$$

Sequence: A088981
Score: 8.24818
Type of gen. func.: ogf

$$- \frac{3 x^3 - 2 x^2 - 10 x + 7}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A088981
Score: 8.86439
Type of gen. func.: lgdogf

5 4 3 2

$$-\frac{3 x - x - 23 x + 7 x + 21 x - 11}{(x - 1) (x^2 + x - 1) (3 x^3 - 2 x^2 - 10 x + 7)}$$

Sequence: A088991
Score: 28.0949
Type of gen. func.: lgdegf]

$$-4 f(x) x + (1 - 4 x) f(x)^2$$

Sequence: A088991
Score: 5.13617
Type of gen. func.: ogf

{(-4 n - 8) a(n + 1) + (-4 n - 8) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 0,

a(2) = 4}

Sequence: A088992
Score: 25.6520
Type of gen. func.: lgdegf]

$$-5 f(x) x + (1 - 5 x) f(x)^2$$

Sequence: A088992
Score: 4.62459
Type of gen. func.: ogf

{(-5 n - 10) a(n + 1) + (-5 n - 10) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 0,

a(2) = 5}

Sequence: A089010
Score: 10.1518
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{23} - x^{19} + x^9 + x^5$$

Sequence: A089011
Score: 10.6821
Type of gen. func.: ogf_with_Euler_transform]

$$x^{5} + x^{3} - (x^{2} + 1)\, x^{11}$$

Sequence: A089012
Score: 12.9137
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{8} - x^{7} + x^{3} + x^{2}$$

Sequence: A089012
Score: 8.53642
Type of gen. func.: lgdogf

$$\frac{x^{2}\, (10\, x^{7} + 7\, x^{4} + 6\, x^{3} + 4\, x + 3)}{(x^{6} + x^{3} + 1)\, (x^{4} + 1)}$$

Sequence: A089022
Score: 13.6251
Type of gen. func.: ogf

$$-9\, f(x)^{2}\, x + f(x)^{2} + f(x) - 2$$

Sequence: A089022
Score: 16.3742
Type of gen. func.: lgdogf

$$-\frac{3\, (-3 + 24\, x + (1 - 8\, x)^{1/2})}{2\, (9\, x - 1)\, (-1 + 8\, x)}$$

Sequence: A089022
Score: 21.0526
Type of gen. func.: revogf

$${}^{2} \qquad\qquad {}^{1/2}$$

$$\frac{(1 - 9 x + 3 (9 x - 2 x + 1)) x}{4}$$

Sequence: A089022
Score: 4.80373
Type of gen. func.: ogf

$\{(-72 n - 108) a(n + 1) + (17 n + 39) a(n + 2) + (-n - 3) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 15\}$

Sequence: A089023
Score: 2.99737
Type of gen. func.: ogf

$$-16 f(x)^2 x + f(x)^2 + 2 f(x) - 3$$

Sequence: A089041
Score: 3.36512
Type of gen. func.: ogf

$\{(-n^2 - 5 n - 6) a(n + 1) + (-2 n^2 - 13 n - 21) a(n + 2) + (-n^2 - 8 n - 15) a(n + 3) + a(n + 4), a(0) = 1, a(1) = 0, a(2) = 3, a(3) = 26\}$

Sequence: A089057
Score: 3.53923
Type of gen. func.: ogf

$\{(n + 5) a(n + 1) - a(n + 2), a(0) = 3, a(1) = 12, a(2) = 60, a(3) = 360, a(4) = 2520, a(5) = 13440\}$

Sequence: A089057
Score: 5.47649
Type of gen. func.: egf]

$$\overline{35 x^8 - 120 x^7 + 140 x^6 - 56 x^5 + 3}$$

$$(x - 1)^4$$

Sequence: A089061
Score: 10.3548
Type of gen. func.: lgdogf

$$-\frac{(x + 1) (2 x^4 - 2 x^3 - 17 x^2 + 22 x - 7)}{(x - 1) (x^2 + x - 1) (2 x^3 - x^2 - 8 x + 5)}$$

Sequence: A089061
Score: 3.94820
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 1) - a(n + 2) + (2 n + 5) a(n + 3) + (-n - 2) a(n + 4),$$

$$a(0) = 5, a(1) = 7, a(2) = 10, a(3) = 13\}$$

Sequence: A089061
Score: 5.20705
Type of gen. func.: ogf

$$(f(x) - 22)$$

$$(f(x) x^4 - f(x) x^3 - 2 f(x) x^2 + 2 x^3 + 3 f(x) x - x^2 - f(x) - 8 x + 5)$$

Sequence: A089061
Score: 9.33212
Type of gen. func.: ogf

$$-\frac{2 x^3 - x^2 - 8 x + 5}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A089068
Score: 13.6847
Type of gen. func.: ogf

$$x^2 (x + 1)$$

$$\overline{(x - 1)(x^3 + x^2 + x - 1)}$$

Sequence: A089068
Score: 16.7019
Type of gen. func.: lgdogf

$$-\frac{3x^4 + 4x^3 - 3}{(x - 1)(x + 1)(x^3 + x^2 + x - 1)}$$

Sequence: A089068
Score: 7.63464
Type of gen. func.: ogf

$$(14 f(x) - 15)(f(x) x^4 - x^3 - 2 f(x) x - x^2 + f(x))$$

Sequence: A089071
Score: 13.5364
Type of gen. func.: ogf

$$-\frac{x^3 - x + 1}{(x - 1)^3}$$

Sequence: A089071
Score: 26.9921
Type of gen. func.: lgdogf

$$-\frac{3x^2 - 2x + 2}{(x - 1)(x^3 - x + 1)}$$

Sequence: A089071
Score: 6.25545
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 2, a(2) = 3,

a(3) = 5}

Sequence: A089071
Score: 7.18017
Type of gen. func.: ogf

$$-(f(x) + 4) (f(x) x^3 - 3 f(x) x^2 + x^3 + 3 f(x) x - f(x) - x + 1)$$

Sequence: A089073
Score: 4.58178
Type of gen. func.: ogf

$$8 f(x)^3 x^4 + 12 x^3 f(x)^2 - 2 f(x)^2 x^2 - f(x)^2 x + 6 f(x) x^2 - 2 f(x) x + 2 x^2 - f(x) + 4 x + 1$$

Sequence: A089074
Score: 10.5417
Type of gen. func.: lgdogf

$$- \frac{3 x^6 + 4 x^5 + 5 x^4 + 2 x^2 - 2 x - 3}{(x - 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A089074
Score: 12.5752
Type of gen. func.: ogf

$$\frac{x (x^2 + x + 1)}{(x - 1) (x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A089076
Score: 10.0409
Type of gen. func.: lgdogf

$$\frac{x (x^{11} - 3 x^9 + x^7 + 6 x^6 - 3 x^5 - 8 x^4 + 2 x^3 + 2 x + 4)}{}$$

$$(x - 1) (x + 1) (x^4 - x - 1) (x^7 - x^6 - x^4 - x^3 + x^2 + x + 1)$$

Sequence: A089076
Score: 8.09756
Type of gen. func.: ogf

$$- \frac{x^7 - x^6 - x^4 - x^3 + x^2 + x + 1}{(x - 1) (x + 1) (x^4 - x - 1)}$$

Sequence: A089086
Score: 9.27337
Type of gen. func.: ogf

$$- \frac{2 x^9 + x^8 + 2 x^7 + x^6 + 10 x^5 + x^4 + 2 x^3 + x^2 + 2 x + 5}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A089089
Score: 8.02949
Type of gen. func.: ogf

$$\frac{x (x^3 + x^2 - 1)}{(x^4 + x^2 - 1) (x^2 + x - 1)^2}$$

Sequence: A089089
Score: 8.38047
Type of gen. func.: lgdogf

$$- \frac{5 x^8 + 9 x^7 + 6 x^6 - 5 x^5 - 4 x^4 - 3 x^3 - 7 x^2 + 4 x + 2}{(x^2 + x - 1) (x^3 + x^2 - 1) (x^4 + x^2 - 1)}$$

Sequence: A089098
Score: 8.65844
Type of gen. func.: ogf

$$-\frac{(x+1)(x-1)^2}{(x^4+x^2-1)(x^2+x-1)^2}$$

Sequence: A089098
Score: 9.30940
Type of gen. func.: lgdogf

$$-\frac{5x^7+2x^6-7x^5-5x^4-3x^3-x^2+4x+1}{(x-1)(x+1)(x^2+x-1)(x^4+x^2-1)}$$

Sequence: A089108
Score: 12.1291
Type of gen. func.: lgdogf

$$-\frac{x^6-2x^5-2x^4-4x^3+7x^2+4x+5}{(x-1)(x^2+x+1)(x^4-2x^3-x+3)}$$

Sequence: A089108
Score: 9.89358
Type of gen. func.: ogf

$$-\frac{x^4-2x^3-x+3}{(x^2+x+1)(x-1)^3}$$

Sequence: A089109
Score: 7.45828
Type of gen. func.: ogf

$$-\frac{x^5-2x^4-2x^3+6x^2+x-5}{(x+1)^2(x-1)^4}$$

Sequence: A089109
Score: 9.96834
Type of gen. func.: lgdogf

$$-\frac{x^6-2x^5-5x^4+12x^3+11x^2-16x-9}{(x-1)(x+1)(x^5-2x^4-2x^3+6x^2+x-5)}$$

Sequence: A089110
Score: 5.55662
Type of gen. func.: ogf

$$-\frac{x^7-4x^6+8x^5-12x^4+15x^3-13x^2+9x-5}{(x^2+1)^2(x-1)^4}$$

Sequence: A089110
Score: 6.56835
Type of gen. func.: lgdogf

$$-\frac{x^9-5x^8+13x^7-25x^6+43x^5-53x^4+56x^3-48x^2+21x-11}{(x-1)(x^2+1)(x^7-4x^6+8x^5-12x^4+15x^3-13x^2+9x-5)}$$

Sequence: A089111
Score: 5.06619
Type of gen. func.: ogf

$$-\frac{2x^8-8x^7+12x^6-7x^5-2x^3+9x^2-13x+8}{(x^4+x^3+x^2+x+1)(x-1)^5}$$

Sequence: A089116
Score: 5.71381
Type of gen. func.: ogf

$$\frac{x(x-1)^2(x+1)^2}{(x^6+x^3-1)(x^2+x-1)^3}$$

Sequence: A089116
Score: 7.60779
Type of gen. func.: lgdogf

$$-\frac{8 x^9 + 5 x^8 - 14 x^7 - 4 x^6 + 8 x^5 - 8 x^4 - 8 x^3 + 4 x^2 + 2 x + 3}{(x - 1) (x + 1) (x^2 + x - 1) (x^6 + x^3 - 1)}$$

Sequence: A089117
Score: 6.12480
Type of gen. func.: lgdogf

$$- (10 x^{10} + 16 x^9 - 4 x^8 - 31 x^7 - 20 x^6 + 5 x^5 + 5 x^4 + 15 x^3 + 11 x^2 - 8 x - 3) / ((x - 1) (x + 1) (x^2 + x - 1) (x^3 + x^2 - 1) (x^4 + x^2 - 1))$$

Sequence: A089128
Score: 12.9603
Type of gen. func.: ogf

$$-\frac{x^5 + 2 x^4 + 3 x^3 + 2 x^2 + x + 6}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A089128
Score: 7.60360
Type of gen. func.: lgdogf

$$- (x^{10} + 4 x^9 + 9 x^8 + 8 x^7 + 5 x^6 + 36 x^5 + 5 x^4 + 8 x^3 + 9 x^2 + 4 x + 1) / ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^5 + 2 x^4 + 3 x^3 + 2 x^2 + x + 6))$$

Sequence: A089134
Score: 10.6420

Type of gen. func.: lgdogf

$$-\frac{x\,(x^7-2\,x^5+2\,x^4+3\,x^3-6\,x^2-x+4)}{(x+1)\,(x^3-x^2+1)\,(x^5-x^3+x^2+x+1)}$$

Sequence: A089134
Score: 9.36844
Type of gen. func.: ogf

$$-\frac{(x+1)\,(x^3-x^2+1)}{x^5-x^3+x^2+x+1}$$

Sequence: A089135
Score: 6.81517
Type of gen. func.: lgdogf

$$-x^2\,(x^{16}-6\,x^{11}-4\,x^{10}-8\,x^9-7\,x^8-10\,x^7-9\,x^6+4\,x^4+6\,x^3+2\,x^2+12\,x+6)\;\Big/\;((x^{10}-2\,x^4+x^2+1)\,(x^9-x^4-2\,x^3-x^2-1))$$

Sequence: A089135
Score: 8.48457
Type of gen. func.: ogf

$$-\frac{x^9-x^4-2\,x^3-x^2-1}{x^{10}-2\,x^4+x^2+1}$$

Sequence: A089138
Score: 18.1716
Type of gen. func.: lgdogf

$$-\frac{3\,(-5+72\,x)}{(18\,x-1)\,(9\,x-1)}$$

Sequence: A089138
Score: 3.38560
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 3) + (69 + 27 n) a(n + 2) + (-378 - 162 n) a(n + 1), a(0) = 1, a(1) = 15, a(2) = 207\}$$

Sequence: A089143
Score: 11.6904
Type of gen. func.: revegf]

$$1/2 \ln(2 x - 3) - 1/2 \ln((2 x + 1)^{1/2} - 2) + 1/2 \ln((2 x + 1)^{1/2} + 2) - \ln(3)$$

Sequence: A089143
Score: 17.7138
Type of gen. func.: ogf

$$\frac{3 (x + 1)}{(2 x - 1) (x - 1)}$$

Sequence: A089143
Score: 22.3788
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 + 2 x - 2)}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A089143
Score: 9.05817
Type of gen. func.: ogf

$$(17 f(x) + 141) (2 f(x) x^2 - 3 f(x) x + f(x) - 3 x - 3)$$

Sequence: A089143
Score: 9.60386
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 3, a(1) = 12\}$$

Sequence: A089145
Score: 12.9603
Type of gen. func.: ogf

```
                            5    4      3    2
                         2 x  + x  + 6 x  + x  + 2 x + 3
                  - ------------------------------------------
                                      2            2
                    (x - 1) (x + 1) (x  + x + 1) (x  - x + 1)
```

Sequence: A089145
Score: 7.79529
Type of gen. func.: lgdogf

```
      10    9      8      7      6      5      4      3      2             /
- 2 (x   + x  + 9 x  + 2 x  + 5 x  + 9 x  + 5 x  + 2 x  + 9 x  + x + 1)  /  (
                                                                        /

                  2            2               5    4      3    2
    (x - 1) (x + 1) (x  + x + 1) (x  - x + 1) (2 x  + x  + 6 x  + x  + 2 x + 3)

    )
```

Sequence: A089146
Score: 11.0012
Type of gen. func.: ogf

```
                                     4    3      2
              (32 f(x) + 111) (f(x) x  + x  + 8 x  - f(x) + x + 4)
```

Sequence: A089146
Score: 12.3685
Type of gen. func.: lgdogf

```
                    6       5      4       3      2
                   x  + 16 x  + 3 x  + 16 x  + 3 x  + 16 x + 1
                 - --------------------------------------------
                                     2        3      2
                   (x - 1) (x + 1) (x  + 1) (x  + 8 x  + x + 4)
```

Sequence: A089146
Score: 16.5982
Type of gen. func.: ogf

```
                                 3      2
```

$$-\frac{x + 8 x + x + 4}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A089154
Score: 11.1351
Type of gen. func.: ogf

$$\frac{2 (x + 2)}{(x - 1) (x^2 + 6 x - 1)}$$

Sequence: A089154
Score: 12.0453
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 11 x^2 + 20 x - 15}{(x - 1) (x + 2) (x^2 + 6 x - 1)}$$

Sequence: A089154
Score: 5.13182
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 5 a(n + 1) + a(n), a(0) = 4, a(1) = 30, a(2) = 190\}$$

Sequence: A089154
Score: 5.26928
Type of gen. func.: ogf

$$-(7836 f(x) + 431) (f(x) x^3 + 5 f(x) x^2 - 7 f(x) x + f(x) - 2 x - 4)$$

Sequence: A089155
Score: 19.3054
Type of gen. func.: lgdegf]

$$-\frac{-5 + 18 x}{(6 x - 1) (2 x - 1)}$$

Sequence: A089155
Score: 3.62134
Type of gen. func.: ogf

$$\{(12 n^2 + 54 n + 60) a(n + 1) + (-8 n - 21) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 5, a(2) = 47\}$$

Sequence: A089155
Score: 6.33735
Type of gen. func.: egf]

$$24 x^3 f(x)^2 - 28 f(x)^2 x^2 + 10 f(x)^2 x - f(x)^2 + 1$$

Sequence: A089156
Score: 5.40052
Type of gen. func.: ogf

$$\{(-64 n^2 - 64 n - 16) a(n) + (n^2 + 2 n + 1) a(n + 1), a(0) = 0, a(1) = 16\}$$

Sequence: A089164
Score: 4.07508
Type of gen. func.: ogf

$$-f(x)^2 x^4 + 6 x^3 f(x)^2 - f(x)^2 x^2 + f(x) x^3 - 8 f(x) x^2 + 13 f(x) x - 2 f(x) - x + 6$$

Sequence: A089165
Score: 18.8360
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 - 5 x + 2)}{(x - 1) (x^2 - 6 x + 1)}$$

Sequence: A089165

Score: 6.15117
Type of gen. func.: ogf

$$f(x)^{2}\,x^{4} - 8\,x^{3}\,f(x)^{2} + 14\,f(x)^{2}\,x^{2} - 8\,f(x)^{2}\,x + f(x)^{2} - 1$$

Sequence: A089181
Score: 24.6161
Type of gen. func.: ogf

$$\frac{1}{7\,x^{2} - 2\,x + 1}$$

Sequence: A089181
Score: 29.9016
Type of gen. func.: lgdogf

$$-\frac{2\,(-1 + 7\,x)}{7\,x^{2} - 2\,x + 1}$$

Sequence: A089181
Score: 8.6008
Type of gen. func.: ogf

$$(19\,f(x) - 35)\,(7\,f(x)\,x^{2} - 2\,f(x)\,x + f(x) - 1)$$

Sequence: A089181
Score: 8.70571
Type of gen. func.: ogf

$$\{a(n + 2) - 2\,a(n + 1) + 7\,a(n),\ a(0) = 1,\ a(1) = 2\}$$

Sequence: A089182
Score: 5.18646
Type of gen. func.: ogf

$$-\frac{2\,(10000\,x^{8} + 500\,x^{6} + 5\,x^{2} + 1)}{\qquad{}^{2}\qquad\qquad{}^{2}}$$

$$(x - 1) (10 x - 1) (10 x - 1) (10 x + 1)$$

Sequence: A089183
Score: 5.90373
Type of gen. func.: ogf

$$\frac{300 x^{4} - 10 x^{2} + 1}{(x - 1) (10 x - 1) (100 x^{4} + 1)}$$

Sequence: A089186
Score: 13.7655
Type of gen. func.: lgdogf

$$\frac{2 (360 x^{10} - 765 x^{9} + 405 x^{8} - 5 x + 4)}{(x - 1) (90 x^{10} - 90 x^{9} + 10 x - 9)}$$

Sequence: A089186
Score: 13.8169
Type of gen. func.: ogf

$$- \frac{90 x^{10} - 90 x^{9} + 10 x - 9}{(x - 1)^{2}}$$

Sequence: A089207
Score: 10.4434
Type of gen. func.: ogf

$$\frac{2 (x^{2} + 8 x + 3)}{(x - 1)^{4}}$$

Sequence: A089207
Score: 21.0795
Type of gen. func.: lgdogf

$$-\frac{2\,(x^2+13\,x+10)}{(x-1)\,(x^2+8\,x+3)}$$

Sequence: A089207
Score: 3.60117
Type of gen. func.: ogf

$$\{(3\,n+12)\,a(n+4)+(-5+5\,n)\,a(n+3)+(-40-7\,n)\,a(n+2)+(-n-3)\,a(n+1),\ a(0)=6,\ a(1)=40,\ a(2)=126,\ a(3)=288\}$$

Sequence: A089207
Score: 5.14815
Type of gen. func.: ogf

$$(726300\,f(x)+10030339)\,(f(x)\,x^4-4\,f(x)\,x^3+6\,f(x)\,x^2-4\,f(x)\,x-2\,x^2+f(x)-16\,x-6)$$

Sequence: A089252
Score: 17.3516
Type of gen. func.: lgdegf]

$$-\frac{6\,(4\,x-1)}{(-1+8\,x)\,(2\,x-1)}$$

Sequence: A089252
Score: 3.23868
Type of gen. func.: ogf

$$\{(16\,n^2+72\,n+80)\,a(n+1)+(-10\,n-26)\,a(n+2)+a(n+3),\ a(0)=1,\ a(1)=6,\ a(2)=72\}$$

Sequence: A089252
Score: 5.70625
Type of gen. func.: egf]

$$-32\,x^3\,f(x)^2+36\,f(x)^2\,x^2-12\,f(x)^2\,x+f(x)^2-1$$

Sequence: A089264
Score: 10.9166
Type of gen. func.: lgdogf

$$\frac{2 (4 x^4 - 7 x^3 + 5 x^2 + 4 x - 3)}{(x - 1) (2 x - 1) (2 x^3 - 2 x^2 + 6 x - 3)}$$

Sequence: A089264
Score: 7.75613
Type of gen. func.: ogf

$$\frac{(2 x^3 - 2 x^2 + 6 x - 3) (x - 1)^2}{(2 x - 1)^3}$$

Sequence: A089271
Score: 4.41508
Type of gen. func.: ogf

$$\{a(n + 3) - 20 a(n + 2) + 108 a(n + 1) - 144 a(n), a(0) = 1, a(1) = 38,$$
$$a(2) = 652\}$$

Sequence: A089271
Score: 4.5283
Type of gen. func.: ogf

$$(28750 f(x) - 28889) (144 f(x) x^3 - 108 f(x) x^2 + 20 f(x) x - f(x) + 18 x + 1)$$

Sequence: A089271
Score: 8.10121
Type of gen. func.: lgdogf

$$- \frac{2 (2592 x^3 - 756 x^2 - 108 x + 19)}{(12 x - 1) (6 x - 1) (18 x + 1) (2 x - 1)}$$

Sequence: A089271
Score: 8.97983
Type of gen. func.: ogf

$$-\frac{18 x + 1}{(12 x - 1) (6 x - 1) (2 x - 1)}$$

Sequence: A089272
Score: 3.65906
Type of gen. func.: ogf

$$(1553527101 f(x) + 149407450)$$

$$(2880 f(x) x^4 - 2304 f(x) x^3 + 508 f(x) x^2 - 40 f(x) x + f(x) - 8 x - 1)$$

Sequence: A089272
Score: 6.50361
Type of gen. func.: lgdogf

$$-\frac{8 (8640 x^4 - 3168 x^3 - 356 x^2 + 127 x - 6)}{(12 x - 1) (6 x - 1) (8 x + 1) (20 x - 1) (2 x - 1)}$$

Sequence: A089272
Score: 7.68403
Type of gen. func.: ogf

$$\frac{8 x + 1}{(12 x - 1) (6 x - 1) (20 x - 1) (2 x - 1)}$$

Sequence: A089273
Score: 5.61153
Type of gen. func.: ogf

$$-\frac{600 x^2 + 118 x + 1}{(12 x - 1) (6 x - 1) (20 x - 1) (2 x - 1) (30 x - 1)}$$

Sequence: A089274
Score: 5.75080
Type of gen. func.: lgdogf

$$-\frac{2\,(216000\,x^4 - 144000\,x^3 + 26316\,x^2 - 1708\,x + 35)}{(12\,x - 1)\,(6\,x - 1)\,(20\,x - 1)\,(2\,x - 1)\,(30\,x - 1)}$$

Sequence: A089274
Score: 7.57470
Type of gen. func.: ogf

$$-\frac{1}{(12\,x - 1)\,(6\,x - 1)\,(20\,x - 1)\,(2\,x - 1)\,(30\,x - 1)}$$

Sequence: A089277
Score: 5.36512
Type of gen. func.: ogf

$$\frac{1}{(6\,x - 1)\,(30\,x - 1)\,(20\,x - 1)\,(2\,x - 1)\,(12\,x - 1)\,(42\,x - 1)}$$

Sequence: A089304
Score: 4.01183
Type of gen. func.: ogf

$$-(13302351077472\,f(x) + 8568852954995)\,(100\,f(x)\,x^4 - 220\,f(x)\,x^3 + 141\,f(x)\,x^2 - 135\,x^3 - 22\,f(x)\,x - 7\,x^2 + f(x) - 2\,x)$$

Sequence: A089304
Score: 8.36612
Type of gen. func.: ogf

$$\frac{x\,(135\,x^2 + 7\,x + 2)}{(10\,x - 1)^2\,(x - 1)^2}$$

Sequence: A089304

Score: 9.06302
Type of gen. func.: lgdogf

$$-\frac{3\,(900\,x^3+70\,x^2-89\,x-17)}{(x-1)\,(10\,x-1)\,(135\,x^2+7\,x+2)}$$

Sequence: A089314
Score: 4.27962
Type of gen. func.: ogf

$$(24282609874614\,f(x)+27127987033349)\,(100\,f(x)\,x^4-220\,f(x)\,x^3+141\,f(x)\,x^2-250\,x^3-22\,f(x)\,x+4\,x^2+f(x)-6\,x)$$

Sequence: A089314
Score: 8.35557
Type of gen. func.: lgdogf

$$-\frac{4\,(625\,x^3-15\,x^2-27\,x-16)}{(x-1)\,(10\,x-1)\,(125\,x^2-2\,x+3)}$$

Sequence: A089314
Score: 8.76799
Type of gen. func.: ogf

$$\frac{2\,x\,(125\,x^2-2\,x+3)}{(10\,x-1)^2\,(x-1)^2}$$

Sequence: A089324
Score: 6.31807
Type of gen. func.: ogf

$$x^3\,f(x)^2-3\,f(x)^2\,x^2+f(x)^2\,x+f(x)\,x^2-2\,f(x)\,x+f(x)-1$$

Sequence: A089343
Score: 3.93774
Type of gen. func.: ogf

$$-(5086376856 f(x) + 7285928095) (100 f(x) x^4 - 220 f(x) x^3 + 141 f(x) x^2 - 345 x^3 - 22 f(x) x + 33 x^2 + f(x) - 12 x)$$

Sequence: A089343
Score: 7.78174
Type of gen. func.: ogf

$$\frac{3 x (115 x^2 - 11 x + 4)}{(10 x - 1)^2 (x - 1)^2}$$

Sequence: A089350
Score: 4.04635
Type of gen. func.: ogf

$$(8372367441 f(x) + 13518383761) (100 f(x) x^4 - 220 f(x) x^3 + 141 f(x) x^2 - 420 x^3 - 22 f(x) x + 80 x^2 + f(x) - 20 x)$$

Sequence: A089350
Score: 7.85185
Type of gen. func.: ogf

$$\frac{20 x (21 x^2 - 4 x + 1)}{(10 x - 1)^2 (x - 1)^2}$$

Sequence: A089354
Score: 13.1691
Type of gen. func.: revogf

$$\frac{(1 + 4 x - x^2 + ((x^2 - 6 x + 1) (x - 1)^2)^{1/2}) x}{2}$$

Sequence: A089354
Score: 7.81838
Type of gen. func.: ogf

$$-f(x)^3 x^2 - 4 f(x)^3 x + 4 f(x)^2 x + f(x) - 1$$

Sequence: A089357
Score: 11.0366
Type of gen. func.: ogf

$$\{a(n + 1) - 64 a(n), a(0) = 1\}$$

Sequence: A089357
Score: 13.9271
Type of gen. func.: ogf

$$-64 f(x) x + f(x) - 1$$

Sequence: A089357
Score: 26.5881
Type of gen. func.: ogf

$$-\frac{1}{64 x - 1}$$

Sequence: A089357
Score: 38.2738
Type of gen. func.: revegf]

$$1/64 \ln(1 + 64 x)$$

Sequence: A089357
Score: 44.1620
Type of gen. func.: lgdogf

$$-\frac{64}{64 x - 1}$$

Sequence: A089372
Score: 5.75122
Type of gen. func.: ogf

$$-f(x)^2 x^4 + x^3 f(x)^2 - 2 f(x)^2 x^2 + 2 f(x) x^2 - f(x) x + f(x) - 1$$

Sequence: A089380
Score: 4.80449
Type of gen. func.: ogf

$$-3 f(x)^2 x^4 + 4 x^3 f(x)^2 - 2 f(x)^2 x^2 - 3 f(x) x^3 + 5 f(x) x^2 - 3 f(x) x - x^2 + f(x) + 2 x - 1$$

Sequence: A089382
Score: 3.93588
Type of gen. func.: ogf

$$\{(2 n^2 + 8 n) a(n) + (-13 n^2 - 61 n - 60) a(n + 1) + (8 n^2 + 55 n + 90) a(n + 2) + (-n^2 - 8 n - 15) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 20\}$$

Sequence: A089382
Score: 5.4998
Type of gen. func.: ogf

$$-8 f(x)^2 x^4 + 48 x^3 f(x)^2 + f(x) x^4 - 8 f(x)^2 x^2 - 8 f(x) x^3 + 12 f(x) x^2 + 4 f(x) x - f(x) + 1$$

Sequence: A089385
Score: 9.67991
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^7 + x^6 - x^5 + x^4 - 2 x^3 + x^2 - x + 1}{x^8 - 1}$$

Sequence: A089386
Score: 3.28801
Type of gen. func.: ogf

$$\frac{100000 x^7 - 19000 x^6 + 4300 x^5 - 9760 x^4 + 4907 x^3 - 430 x^2 - 24 x - 1}{(x - 1) (10000 x^3 - 1) (10 x^3 - 1)}$$

Sequence: A089387
Score: 4.55595
Type of gen. func.: ogf

$$2 x^3 f(x)^2 - 3 f(x)^2 x^2 + f(x) x^3 + 2 f(x)^2 x - f(x) x^2 + f(x) x + x^2 - f(x) - 2 x + 1$$

Sequence: A089408
Score: 5.91830
Type of gen. func.: ogf

$$\{(-4 n + 4) a(n) - 2 a(n + 1) + (n + 3) a(n + 2), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A089408
Score: 9.43931
Type of gen. func.: ogf

$$-f(x)^2 x - 4 x^3 + 4 f(x) x - 4 x^2 + f(x) - 4 x - 1$$

Sequence: A089433
Score: 4.53168
Type of gen. func.: ogf

$$\{(-27 n^2 - 243 n - 546) a(n + 1) + (4 n^2 + 34 n + 52) a(n + 2), a(0) = 2, a(1) = 30\}$$

Sequence: A089433

Score: 8.92392
Type of gen. func.: ogf

$$2\,\mathrm{hypergeom}\left([10/3, 11/3], [11/2], \frac{27 x}{4}\right)$$

Sequence: A089436
Score: 13.5018
Type of gen. func.: revogf

$$\frac{\left(5 - 6 x + x^2 + \left(\left(x^2 - 6 x + 1\right) (-3 + x)^2\right)^{1/2}\right) x}{8}$$

Sequence: A089436
Score: 8.6748
Type of gen. func.: ogf

$$f(x)^3 x^2 - 6 f(x)^2 x - f(x)^2 + 5 f(x) - 4$$

Sequence: A089498
Score: 3.81020
Type of gen. func.: ogf

$$\frac{4 x}{(x + 1) (x^2 - 6 x + 1)}$$

Sequence: A089499
Score: 11.4303
Type of gen. func.: ogf

$$- \frac{x (x^2 - 4 x - 1)}{(x^2 + 2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A089499
Score: 6.90342
Type of gen. func.: ogf

$$(232 f(x) + 161) (f(x) x^4 - 6 f(x) x^2 + x^3 - 4 x^2 + f(x) - x)$$

Sequence: A089499
Score: 9.95714
Type of gen. func.: lgdogf

$$- \frac{2 (x^5 - 6 x^4 - 2 x^3 + 12 x^2 + 5 x + 2)}{(x^2 + 2 x - 1) (x^2 - 4 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A089507
Score: 11.2673
Type of gen. func.: revogf

$$- \frac{-30 x - 1 + (1 + 6 x)^{1/2} (54 x + 1)^{1/2}}{288 x}$$

Sequence: A089507
Score: 15.0182
Type of gen. func.: ogf

$$\frac{1}{(24 x - 1) (6 x - 1)}$$

Sequence: A089507
Score: 18.2609
Type of gen. func.: lgdogf

$$- \frac{6 (-5 + 48 x)}{(24 x - 1) (6 x - 1)}$$

Sequence: A089507
Score: 6.1438
Type of gen. func.: ogf

$$(341 f(x) + 284) (144 f(x) x^2 - 30 f(x) x + f(x) - 1)$$

Sequence: A089507
Score: 6.28669
Type of gen. func.: ogf

$$\{-a(n+2) + 30\,a(n+1) - 144\,a(n),\ a(0) = 1,\ a(1) = 30\}$$

Sequence: A089508
Score: 4.83183
Type of gen. func.: ogf

$$-(248835\,f(x) - 37118)\,(f(x)\,x^3 - 8\,f(x)\,x^2 + 8\,f(x)\,x - x^2 - f(x) + 6\,x + 1)$$

Sequence: A089508
Score: 5.20997
Type of gen. func.: ogf

$$\{-a(n+3) + 8\,a(n+2) - 8\,a(n+1) + a(n),\ a(0) = 1,\ a(1) = 14,\ a(2) = 103\}$$

Sequence: A089508
Score: 9.82207
Type of gen. func.: ogf

$$\frac{x^2 - 6\,x - 1}{(x - 1)\,(x^2 - 7\,x + 1)}$$

Sequence: A089508
Score: 9.95192
Type of gen. func.: lgdogf

$$-\frac{x^4 - 12\,x^3 + 37\,x^2 + 18\,x - 14}{(x - 1)\,(x^2 - 7\,x + 1)\,(x^2 - 6\,x - 1)}$$

Sequence: A089512
Score: 11.1394
Type of gen. func.: lgdegf]

$$-\frac{2 (x^5 - 4 x^3 + 20 x^2 + 4 x + 8)}{(x^2 - 2) (x^4 - 4 x^2 + 8 x + 4)}$$

Sequence: A089512
Score: 8.03671
Type of gen. func.: egf]

$$-\frac{2 (x^4 - 4 x^2 + 8 x + 4)}{(x^2 - 2)^3}$$

Sequence: A089513
Score: 10.1714
Type of gen. func.: lgdogf

$$-\frac{18 (1440 x^2 - 216 x + 5)}{(6 x - 1) (24 x - 1) (60 x - 1)}$$

Sequence: A089513
Score: 11.3360
Type of gen. func.: ogf

$$-\frac{1}{(6 x - 1) (24 x - 1) (60 x - 1)}$$

Sequence: A089513
Score: 4.05514
Type of gen. func.: ogf

{a(n + 3) - 90 a(n + 2) + 1944 a(n + 1) - 8640 a(n), a(0) = 1, a(1) = 90,

a(2) = 6156}

Sequence: A089513
Score: 4.26309
Type of gen. func.: ogf

$$(1579669 f(x) - 125800) (8640 f(x) x^3 - 1944 f(x) x^2 + 90 f(x) x - f(x) + 1)$$

Sequence: A089514
Score: 5.41234
Type of gen. func.: lgdogf

$$- \frac{6 (691200 x^3 - 120960 x^2 + 4248 x - 35)}{(6 x - 1) (24 x - 1) (60 x - 1) (120 x - 1)}$$

Sequence: A089514
Score: 6.13697
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1) (24 x - 1) (60 x - 1) (120 x - 1)}$$

Sequence: A089518
Score: 4.04237
Type of gen. func.: ogf

$$(137786103 f(x) - 60821720)$$

$$(8640 f(x) x^3 - 1944 f(x) x^2 + 90 f(x) x - f(x) + 48 x + 1)$$

Sequence: A089518
Score: 4.07471
Type of gen. func.: ogf

{a(n + 3) - 90 a(n + 2) + 1944 a(n + 1) - 8640 a(n), a(0) = 1, a(1) = 138,

a(2) = 10476}

Sequence: A089518
Score: 7.22873
Type of gen. func.: lgdogf

$$- \frac{6 (138240 x^3 - 11232 x^2 - 648 x + 23)}{(6 x - 1) (24 x - 1) (48 x + 1) (60 x - 1)}$$

Sequence: A089518
Score: 8.34982
Type of gen. func.: ogf

$$-\frac{48 x + 1}{(6 x - 1) (24 x - 1) (60 x - 1)}$$

Sequence: A089519
Score: 4.64571
Type of gen. func.: ogf

$$\frac{14400 x^2 + 672 x + 1}{(6 x - 1) (24 x - 1) (60 x - 1) (120 x - 1)}$$

Sequence: A089574
Score: 15.2022
Type of gen. func.: lgdogf

$$-\frac{3 x^3 - 13 x^2 + 2 x + 32}{(x - 1) (x^3 - 4 x^2 + 2 x + 5)}$$

Sequence: A089574
Score: 7.43008
Type of gen. func.: ogf

$$\frac{x^3 - 4 x^2 + 2 x + 5}{(x - 1)^6}$$

Sequence: A089590
Score: 10.3811
Type of gen. func.: ogf

$$x (x + 1) (x^7 + x^5 + x^3 + x^2 + 1)$$

----

2 6 3 2

$$(x + x + 1) (x + x + 1) (x - 1)$$

Sequence: A089594
Score: 104.647
Type of gen. func.: lgdogf

$$-\frac{3}{x + 1}$$

Sequence: A089594
Score: 18.4151
Type of gen. func.: ogf

$$-\frac{1}{(x + 1)^3}$$

Sequence: A089594
Score: 35.7677
Type of gen. func.: ogf_with_Euler_transform]

[-3 + 3 x]

Sequence: A089594
Score: 6.74125
Type of gen. func.: ogf

$$\{a(n + 3) + 3 a(n + 2) + 3 a(n + 1) + a(n), a(0) = -1, a(1) = 3, a(2) = -6\}$$

Sequence: A089594
Score: 9.80546
Type of gen. func.: ogf

$$f(x) x^3 + 3 f(x) x^2 + 3 f(x) x + f(x) + 1$$

Sequence: A089597
Score: 14.4445
Type of gen. func.: ogf_with_Euler_transform]

$$-(x^9 - x^3 - x^2 - 1) (x^4 + 1)$$

Sequence: A089598
Score: 13.6921
Type of gen. func.: ogf

$$\frac{x^3 + x^2 + 1}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A089598
Score: 16.8186
Type of gen. func.: lgdogf

$$- \frac{x (x + 2) (3 x^3 - 2 x^2 + 4 x + 1)}{(x - 1) (x^2 + x + 1) (x^3 + x^2 + 1)}$$

Sequence: A089599
Score: 4.32575
Type of gen. func.: ogf

$$\frac{x^{10} - x^9 + x^5 - x + 1}{(x^2 + 1) (x^2 - x + 1) (x^6 + x^3 + 1) (x^2 + x + 1)^3 (x + 1)^3 (x - 1)^6}$$

Sequence: A089640
Score: 11.2413
Type of gen. func.: lgdogf

$$- \frac{3 x^6 + 8 x^5 + 12 x^4 + 10 x^3 + 3 x^2 + 2 x + 1}{(x^2 + x + 1) (x^5 + 2 x^4 + x^3 - 1)}$$

Sequence: A089640
Score: 11.9930
Type of gen. func.: ogf

$$-\frac{x^2 + x + 1}{x^5 + 2x^4 + x^3 - 1}$$

Sequence: A089640
Score: 7.56838
Type of gen. func.: ogf

$$f(x)\,(f(x)\,x^5 + 2\,f(x)\,x^4 + f(x)\,x^3 + x^2 - f(x) + x + 1)$$

Sequence: A089644
Score: 13.6018
Type of gen. func.: ogf

$$\frac{7\,(x^2 + x + 1)}{(x + 1)\,(x - 1)^2}$$

Sequence: A089644
Score: 20.3438
Type of gen. func.: lgdogf

$$-\frac{x^3 + 3x^2 + 6x + 2}{(x - 1)\,(x + 1)\,(x^2 + x + 1)}$$

Sequence: A089644
Score: 33.0328
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + x + 2$$

Sequence: A089644
Score: 7.27814
Type of gen. func.: ogf

$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 7, a(1) = 14, a(2) = 28\}$

Sequence: A089644
Score: 7.34255
Type of gen. func.: ogf

$$(5 f(x) + 301) (f(x) x^{3} - f(x) x^{2} - f(x) x - 7 x^{2} + f(x) - 7 x - 7)$$

Sequence: A089649
Score: 5.44256
Type of gen. func.: ogf

$$- \frac{x^{28} + x^{25} + x^{22} + 2 x^{19} - 2 x^{18} + 2 x^{16} + 2 x^{13} + x^{10} + x^{7} + x^{4} + 1}{(2 x^{18} - 1) (x - 1)^{2}}$$

Sequence: A089651
Score: 5.23218
Type of gen. func.: ogf

$$\frac{x^{20} - x^{16} + x^{5} - x^{4} + 1}{(x^{4} + 1) (x^{8} + 1) (x + 1)^{2} (x^{2} + 1)^{2} (x - 1)^{4}}$$

Sequence: A089658
Score: 13.5462
Type of gen. func.: ogf

$$\frac{x (x - 2)}{(2 x - 1)^{3}}$$

Sequence: A089658
Score: 32.3114
Type of gen. func.: lgdogf

$$- \frac{-11 + 4 x}{(2 x - 1) (x - 2)}$$

Sequence: A089658
Score: 6.8919
Type of gen. func.: ogf

$$(4428 f(x) - 3367) (8 f(x) x^3 - 12 f(x) x^2 + 6 f(x) x - x^2 - f(x) + 2 x)$$

Sequence: A089658
Score: 6.95289
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 12 a(n + 1) - 8 a(n), a(0) = 0, a(1) = 2, a(2) = 11\}$$

Sequence: A089659
Score: 11.3197
Type of gen. func.: ogf

$$\frac{x (3 x + 2)}{(2 x - 1)^4}$$

Sequence: A089659
Score: 29.2208
Type of gen. func.: lgdogf

$$- \frac{19 + 18 x}{(3 x + 2) (2 x - 1)}$$

Sequence: A089659
Score: 5.06407
Type of gen. func.: ogf

$$\{(4 + 2 n) a(n + 3) + (-20 - n) a(n + 2) + (-18 - 6 n) a(n + 1), a(0) = 0,$$

$$a(1) = 2, a(2) = 19\}$$

Sequence: A089659
Score: 5.34541
Type of gen. func.: ogf

$$-(4246340 f(x) + 3209949)$$

$$(16 f(x) x^4 - 32 f(x) x^3 + 24 f(x) x^2 - 8 f(x) x - 3 x^2 + f(x) - 2 x)$$

Sequence: A089660
Score: 13.7701
Type of gen. func.: lgdogf

$$-\frac{8 x^3 + 42 x^2 + 132 x + 35}{(2 x - 1) (2 x^3 + 6 x^2 + 15 x + 2)}$$

Sequence: A089660
Score: 4.01951
Type of gen. func.: ogf

$$\{(8 n^2 + 36 n + 40) a(n + 1) + (22 n^2 + 204 n + 392) a(n + 2)$$

$$+ (-13 n^2 - 51 n - 50) a(n + 3), a(0) = 0, a(1) = 2, a(2) = 35\}$$

Sequence: A089660
Score: 7.78515
Type of gen. func.: ogf

$$-\frac{x (2 x^3 + 6 x^2 + 15 x + 2)}{(2 x - 1)^5}$$

Sequence: A089661
Score: 6.93979
Type of gen. func.: ogf

$$\frac{x (24 x^3 + 80 x^2 + 43 x + 2)}{(2 x - 1)^6}$$

Sequence: A089662

Score: 5.02568
Type of gen. func.: ogf

$$\frac{x (16 x^5 - 64 x^4 - 422 x^3 - 506 x^2 - 103 x - 2)}{(2 x - 1)^7}$$

Sequence: A089662
Score: 7.36015
Type of gen. func.: lgdogf

$$-\frac{64 x^5 - 304 x^4 - 3632 x^3 - 6326 x^2 - 2248 x - 131}{(2 x - 1) (16 x^5 - 64 x^4 - 422 x^3 - 506 x^2 - 103 x - 2)}$$

Sequence: A089663
Score: 4.38541
Type of gen. func.: ogf

$$-\frac{x (72 x^5 - 2096 x^4 - 4748 x^3 - 2364 x^2 - 227 x - 2)}{(2 x - 1)^8}$$

Sequence: A089663
Score: 6.65762
Type of gen. func.: lgdogf

$$-\frac{432 x^5 - 16408 x^4 - 55864 x^3 - 42612 x^2 - 7906 x - 259}{(2 x - 1) (72 x^5 - 2096 x^4 - 4748 x^3 - 2364 x^2 - 227 x - 2)}$$

Sequence: A089677
Score: 5.06627
Type of gen. func.: revegf]

$$(8 n^3 + 8 n^2) a(n) + (-4 n^3 - 20 n^2 - 28 n - 12) a(n + 1)$$

$$+ (2 n^3 + 8 n^2 + 8 n) a(n + 2) + (-n^3 - 8 n^2 - 21 n - 18) a(n + 3),$$

$$a(0) = 0, a(1) = 1, a(2) = -1/2$$

Sequence: A089683
Score: 10.8983
Type of gen. func.: ogf

$$\{a(n + 1) - 81 a(n), a(0) = 81\}$$

Sequence: A089683
Score: 13.6863
Type of gen. func.: ogf

$$-81 f(x) x + f(x) - 81$$

Sequence: A089683
Score: 21.7967
Type of gen. func.: ogf

$$- \frac{81}{81 x - 1}$$

Sequence: A089683
Score: 44.4580
Type of gen. func.: lgdogf

$$- \frac{81}{81 x - 1}$$

Sequence: A089683
Score: 48.1628
Type of gen. func.: revegf]

$$1/81 \ln(x + 1)$$

Sequence: A089693
Score: 5.57325
Type of gen. func.: ogf

$$\{-a(n + 5) + 2 a(n + 3), a(0) = 1, a(1) = 3, a(2) = 10, a(3) = 20, a(4) = 30\}$$

Sequence: A089693
Score: 6.12506
Type of gen. func.: ogf

$$-(230 f(x) - 137) (10 x^4 + 2 f(x) x^2 + 14 x^3 + 8 x^2 - f(x) + 3 x + 1)$$

Sequence: A089693
Score: 8.05879
Type of gen. func.: lgdogf

$$\frac{40 x^5 + 28 x^4 - 40 x^3 - 48 x^2 - 20 x - 3}{(10 x^4 + 14 x^3 + 8 x^2 + 3 x + 1) (2 x^2 - 1)}$$

Sequence: A089693
Score: 9.23330
Type of gen. func.: ogf

$$-\frac{10 x^4 + 14 x^3 + 8 x^2 + 3 x + 1}{2 x^2 - 1}$$

Sequence: A089735
Score: 6.47291
Type of gen. func.: ogf

$$-f(x)^2 x^4 + f(x) x^4 - 2 f(x) x^3 + f(x) x^2 - 2 f(x) x + f(x) - 1$$

Sequence: A089746
Score: 7.17781
Type of gen. func.: ogf

$$-\frac{3 x^{11} + 3 x^{10} + 3 x^9 + 3 x^8 + 2 x^7 + 2 x^6 + x^5 + x^4 + 2 x^3 + x^2 + 4 x + 4}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x^4 - x^2 + 1)}$$

Sequence: A089772
Score: 10.5739
Type of gen. func.: ogf

$$\frac{199 x - 2}{x^2 + 199 x - 1}$$

Sequence: A089772
Score: 11.8107
Type of gen. func.: lgdogf

$$-\frac{199 x^2 - 4 x - 199}{(199 x - 2) (x^2 + 199 x - 1)}$$

Sequence: A089772
Score: 5.1299
Type of gen. func.: ogf

$$-(39605 f(x) - 39609) (f(x) x^2 + 199 f(x) x - f(x) - 199 x + 2)$$

Sequence: A089772
Score: 6.02465
Type of gen. func.: ogf

$$\{-a(n + 2) + 199 a(n + 1) + a(n), a(0) = 2, a(1) = 199\}$$

Sequence: A089775
Score: 13.7339
Type of gen. func.: ogf

$$-\frac{2 (161 x - 1)}{x^2 - 322 x + 1}$$

Sequence: A089775
Score: 15.7715
Type of gen. func.: lgdogf

$$-\frac{161 x^{2} - 2 x + 161}{(161 x - 1) (x^{2} - 322 x + 1)}$$

Sequence: A089775
Score: 16.9847
Type of gen. func.: revogf

$$-\frac{-1 - 161 x + (25920 x^{2} + 1)^{1/2}}{x + 322}$$

Sequence: A089775
Score: 6.66297
Type of gen. func.: ogf

$$-(25920 f(x) - 25919) (f(x) x^{2} - 322 f(x) x + f(x) + 322 x - 2)$$

Sequence: A089775
Score: 7.82512
Type of gen. func.: ogf

$$\{a(n + 2) - 322 a(n + 1) + a(n), a(0) = 2, a(1) = 322\}$$

Sequence: A089781
Score: 7.90420
Type of gen. func.: ogf

$$-\frac{x^{5} + x^{4} - x^{3} + 2 x^{2} + 1}{(x + 1) (x^{2} + 1) (x - 1)^{3}}$$

Sequence: A089781
Score: 8.25252
Type of gen. func.: lgdogf

$$x^{8} + 4 x^{7} + x^{6} + 10 x^{5} + 9 x^{4} + 12 x^{3} + 3 x^{2} + 6 x + 2$$

$$-\frac{}{(x - 1) (x + 1) (x^2 + 1) (x^5 + x^4 - x^3 + 2 x^2 + 1)}$$

Sequence: A089798
Score: 11.5891
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^3 - 2 x}{x^4 - 1}$$

Sequence: A089799
Score: 21.9680
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{1}{-x - 1}$$

Sequence: A089800
Score: 18.3013
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x}{x^2 + 1}$$

Sequence: A089801
Score: 3.31373
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{10} - x^8 - x^7 - x^6 - x^4 - 1}{x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}$$

Sequence: A089802
Score: 7.11836
Type of gen. func.: ogf_with_Euler_transform]

3

$$-\frac{-x + x - 1}{x^4 - x^3 + x - 1}$$

Sequence: A089803
Score: 10.1533
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^9 - 2x^4}{x^{10} - 1}$$

Sequence: A089804
Score: 11.8673
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3x^9 - 6x^4}{x^{10} - 1}$$

Sequence: A089805
Score: 7.55810
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^7 + x^3 - x}{x^8 - x^6 + x^2 - 1}$$

Sequence: A089806
Score: 6.22505
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^9 - x^3 - x}{x^{10} + x^8 + x^6 + x^4 + x^2 + 1}$$

Sequence: A089807
Score: 3.48418

Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{10}-x^{6}-x^{4}-x^{2}+x-1}{x^{11}-x^{10}+x^{9}-x^{8}+x^{7}-x^{6}+x^{5}-x^{4}+x^{3}-x^{2}+x-1}$$

Sequence: A089810
Score: 8.23622
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{5}+x^{4}-x^{3}-x+1}{x^{6}-1}$$

Sequence: A089811
Score: 7.34520
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{11}-x^{9}+x^{7}+x^{3}-x}{-x^{12}+1}$$

Sequence: A089812
Score: 7.76186
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{5}-2x^{4}-x^{3}-x^{2}-x-2}{x^{6}-1}$$

Sequence: A089813
Score: 6.71822
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{11}+2x^{9}+x^{7}+x^{5}+x^{3}+2x}{-x^{12}+1}$$

Sequence: A089814
Score: 17.5862
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{2 x^{4}}{x^{10} - 1}$$

Sequence: A089817
Score: 16.3742
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (x^{2} - 5 x + 1)}$$

Sequence: A089817
Score: 18.5462
Type of gen. func.: lgdogf

$$-\frac{3 (x^{2} - 4 x + 2)}{(x - 1) (x^{2} - 5 x + 1)}$$

Sequence: A089817
Score: 5.36145
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 6 a(n + 1) - a(n), a(0) = 1, a(1) = 6, a(2) = 30\}$$

Sequence: A089817
Score: 5.99846
Type of gen. func.: ogf

$$(139 f(x) - 4) (f(x) x^{3} - 6 f(x) x^{2} + 6 f(x) x - f(x) + 1)$$

Sequence: A089830
Score: 12.1179

Type of gen. func.: lgdogf

$$-\frac{x^5 - x^4 + 3 x^3 - 9 x^2 + 3 x - 3}{(x - 1) (x^5 - 3 x^4 + 5 x^3 - 6 x^2 + 3 x - 1)}$$

Sequence: A089830
Score: 7.16357
Type of gen. func.: ogf

$$-\frac{x^5 - 3 x^4 + 5 x^3 - 6 x^2 + 3 x - 1}{(x - 1)^6}$$

Sequence: A089835
Score: 3.67174
Type of gen. func.: ogf

$$\{(16 n^2 + 48 n + 36) a(n + 1) + (-n - 3) a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A089835
Score: 8.44500
Type of gen. func.: egf]

hypergeom([1/2, 1/2], [2], 16 x)

Sequence: A089849
Score: 7.86062
Type of gen. func.: ogf

$$-4 x^3 f(x)^2 + f(x)^2 x + 4 f(x) x^2 - 4 x^3 - 4 x^2 - f(x) + 1$$

Sequence: A089883
Score: 5.20881
Type of gen. func.: ogf

$$-(5 f(x) + 6) (6 f(x) x^4 - 23 f(x) x^3 + 22 f(x) x^2 + 3 x^3 - 8 f(x) x - 6 x^2$$

$$+ f(x) + 4 x - 1)$$

Sequence: A089883
Score: 7.86749
Type of gen. func.: lgdogf

$$-\frac{2 (9 x^6 - 36 x^5 + 72 x^4 - 80 x^3 + 50 x^2 - 16 x + 2)}{(x - 1) (3 x - 1) (2 x - 1) (x^2 - 3 x + 1) (3 x^2 - 3 x + 1)}$$

Sequence: A089883
Score: 9.42861
Type of gen. func.: ogf

$$-\frac{(x - 1) (3 x^2 - 3 x + 1)}{(3 x - 1) (2 x - 1) (x^2 - 3 x + 1)}$$

Sequence: A089887
Score: 4.13424
Type of gen. func.: ogf

$$(8192 x^{16} + 4096 x^{15} + 512 x^{11} + 256 x^{10} + 128 x^9 - 64 x^8 - 64 x^7 - 32 x^6 - 16 x^5 - 8 x^4 - 4 x^3 - 4 x^2 - 2 x - 1) / (256 x^9 - 1)$$

Sequence: A089898
Score: 8.07494
Type of gen. func.: ogf

$$\frac{10 x^9 + 9 x^8 + 8 x^7 + 7 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1}{(x - 1)^2 (x + 1)^2 (x^4 + x^3 + x^2 + x + 1)^2 (x^4 - x^3 + x^2 - x + 1)^2}$$

Sequence: A089903
Score: 3.23446
Type of gen. func.: ogf

$$-(343803505563 f(x) + 124504539305) (100 f(x) x^4 - 220 f(x) x^3 + 141 f(x) x^2 - 45 x^3 - 22 f(x) x - 26 x^2 + f(x) - x)$$

Sequence: A089903
Score: 6.62671
Type of gen. func.: ogf

$$\frac{x (45 x^2 + 26 x + 1)}{(10 x - 1)^2 (x - 1)^2}$$

Sequence: A089903
Score: 9.21928
Type of gen. func.: lgdogf

$$-\frac{12 (5 x - 2) (15 x^2 + 19 x + 2)}{(x - 1) (10 x - 1) (45 x^2 + 26 x + 1)}$$

Sequence: A089904
Score: 3.0578
Type of gen. func.: ogf

$$(687595837743 f(x) + 430187375125) (100 f(x) x^4 - 220 f(x) x^3 + 141 f(x) x^2 - 80 x^3 - 22 f(x) x - 43 x^2 + f(x) - 3 x)$$

Sequence: A089904
Score: 6.11559
Type of gen. func.: ogf

$$\frac{x (80 x^2 + 43 x + 3)}{(10 x - 1)^2 (x - 1)^2}$$

Sequence: A089904
Score: 7.95127
Type of gen. func.: lgdogf

$$-\frac{1600 x^3 + 1290 x^2 - 513 x - 109}{(x - 1) (10 x - 1) (80 x^2 + 43 x + 3)}$$

Sequence: A089905
Score: 3.1287
Type of gen. func.: ogf

$$-(188637984 f(x) + 149121047) (100 f(x) x^4 - 220 f(x) x^3 + 141 f(x) x^2 - 105 x^3 - 22 f(x) x - 51 x^2 + f(x) - 6 x)$$

Sequence: A089905
Score: 6.14431
Type of gen. func.: ogf

$$\frac{3 x (7 x + 2) (5 x + 1)}{(10 x - 1)^2 (x - 1)^2}$$

Sequence: A089905
Score: 8.49963
Type of gen. func.: lgdogf

$$-\frac{700 x^3 + 510 x^2 - 177 x - 61}{(x - 1) (5 x + 1) (7 x + 2) (10 x - 1)}$$

Sequence: A089906
Score: 3.24049
Type of gen. func.: ogf

$$(174069891 f(x) + 149139386) (100 f(x) x^4 - 220 f(x) x^3 + 141 f(x) x^2 - 120 x^3 - 22 f(x) x - 50 x^2 + f(x) - 10 x)$$

Sequence: A089906
Score: 6.17235
Type of gen. func.: ogf

$$\frac{10 x (12 x^{2} + 5 x + 1)}{(10 x - 1)^{2} (x - 1)^{2}}$$

Sequence: A089906
Score: 9.10675
Type of gen. func.: lgdogf

$$- \frac{3 (2 x + 1) (40 x^{2} + 5 x - 9)}{(x - 1) (10 x - 1) (12 x^{2} + 5 x + 1)}$$

Sequence: A089907
Score: 3.196
Type of gen. func.: ogf

$$-(943156629 f(x) + 654155785) (100 f(x) x^{4} - 220 f(x) x^{3} + 141 f(x) x^{2} - 120 x^{3}$$

$$- 22 f(x) x - 21 x^{2} + f(x) - 21 x)$$

Sequence: A089907
Score: 6.23981
Type of gen. func.: ogf

$$\frac{3 x (40 x^{2} + 7 x + 7)}{(10 x - 1)^{2} (x - 1)^{2}}$$

Sequence: A089907
Score: 8.89042
Type of gen. func.: lgdogf

$$- \frac{(-7 + 16 x) (50 x^{2} + 35 x + 23)}{{}^{2}}$$

$$(x - 1) (10 x - 1) (40 x + 7 x + 7)$$

Sequence: A089908
Score: 3.17663
Type of gen. func.: ogf

$$(343778055444 f(x) + 159580601285) (100 f(x) x^4 - 220 f(x) x^3 + 141 f(x) x^2 - 105 x^3 - 22 f(x) x + 7 x^2 + f(x) - 28 x)$$

Sequence: A089908
Score: 6.31499
Type of gen. func.: ogf

$$\frac{7 x (15 x^2 - x + 4)}{(10 x - 1)^2 (x - 1)^2}$$

Sequence: A089908
Score: 9.04639
Type of gen. func.: lgdogf

$$- \frac{3 (100 x^3 - 10 x^2 + 47 x - 29)}{(x - 1) (10 x - 1) (15 x^2 - x + 4)}$$

Sequence: A089909
Score: 3.29361
Type of gen. func.: ogf

$$(4297205682 f(x) + 585967405) (100 f(x) x^4 - 220 f(x) x^3 + 141 f(x) x^2 - 80 x^3 - 22 f(x) x + 44 x^2 + f(x) - 36 x)$$

Sequence: A089909
Score: 6.34912
Type of gen. func.: ogf

$$\frac{4 x (20 x^2 - 11 x + 9)}{(10 x - 1)^2 (x - 1)^2}$$

Sequence: A089909
Score: 8.49963
Type of gen. func.: lgdogf

$$- \frac{400 x^3 - 330 x^2 + 441 x - 187}{(x - 1) (10 x - 1) (20 x^2 - 11 x + 9)}$$

Sequence: A089914
Score: 20.7166
Type of gen. func.: lgdegf]

$$- \frac{-5 + 6 x}{(3 x - 1)^2}$$

Sequence: A089914
Score: 5.24352
Type of gen. func.: ogf

$$\{(-9 n^2 - 33 n - 30) a(n + 1) + (6 n + 17) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 5, a(2) = 49\}$$

Sequence: A089915
Score: 10.7467
Type of gen. func.: lgdegf]

$$-455 + 780 x + (1040 x^2 - 424 x + 9) f(x) + (128 x^2 - 64 x + 8) f(x)^2$$

Sequence: A089915
Score: 4.31727
Type of gen. func.: ogf

^{2}

$\{(-16 n - 60 n - 56) a(n + 1) + (8 n + 23) a(n + 2) - a(n + 3), a(0) = 1,$

$a(1) = 7, a(2) = 93\}$

Sequence: A089916
Score: 16.9287
Type of gen. func.: lgdegf]

$$-\frac{-9 + 20 x}{(5 x - 1)^2}$$

Sequence: A089916
Score: 4.48750
Type of gen. func.: ogf

$\{(-25 n^2 - 95 n - 90) a(n + 1) + (10 n + 29) a(n + 2) - a(n + 3), a(0) = 1,$

$a(1) = 9, a(2) = 151\}$

Sequence: A089917
Score: 24.1145
Type of gen. func.: lgdegf]

$$-\frac{-11 + 30 x}{(6 x - 1)^2}$$

Sequence: A089917
Score: 3.40288
Type of gen. func.: ogf

$\{(-36 n^2 - 138 n - 132) a(n + 1) + (12 n + 35) a(n + 2) - a(n + 3), a(0) = 1,$

$a(1) = 11, a(2) = 223\}$

Sequence: A089926
Score: 12.0013
Type of gen. func.: ogf

$$\frac{6 x - 1}{}$$

$$x^2 + 12 x - 1$$

Sequence: A089926
Score: 15.0139
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^2 - x - 3)}{(6 x - 1) (x^2 + 12 x - 1)}$$

Sequence: A089926
Score: 6.00066
Type of gen. func.: ogf

$$-(37 f(x) - 19) (f(x) x^2 + 12 f(x) x - f(x) - 6 x + 1)$$

Sequence: A089926
Score: 6.65134
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) + a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A089927
Score: 14.3243
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 15 x^2 + 5}{(x - 1) (x + 1) (x^2 - 5 x + 1)}$$

Sequence: A089927
Score: 16.2071
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (x + 1) (x^2 - 5 x + 1)}$$

Sequence: A089927
Score: 4.72175
Type of gen. func.: ogf

$$\{a(n + 4) - 5 a(n + 3) + 5 a(n + 1) - a(n), a(0) = 1, a(1) = 5, a(2) = 25, a(3) = 120\}$$

Sequence: A089927
Score: 5.76598
Type of gen. func.: ogf

$$(12673 f(x) - 98) (f(x) x^4 - 5 f(x) x^3 + 5 f(x) x - f(x) + 1)$$

Sequence: A089928
Score: 18.5276
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^3 + 3 x^2 + 1)}{(x^2 + 1) (x^2 + 2 x - 1)}$$

Sequence: A089928
Score: 19.3960
Type of gen. func.: ogf

$$- \frac{1}{(x^2 + 1) (x^2 + 2 x - 1)}$$

Sequence: A089928
Score: 5.74122
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) - 2 a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 10\}$$

Sequence: A089928

Score: 6.90051
Type of gen. func.: ogf

$$-(29 f(x) - 3) (f(x) x^4 + 2 f(x) x^3 + 2 f(x) x - f(x) + 1)$$

Sequence: A089931
Score: 17.0514
Type of gen. func.: ogf

$$-\frac{1}{(x^2 + 1) (x^2 + 3 x - 1)}$$

Sequence: A089931
Score: 17.1674
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 9 x^2 + 3}{(x^2 + 1) (x^2 + 3 x - 1)}$$

Sequence: A089931
Score: 5.04720
Type of gen. func.: ogf

$\{a(n + 4) - 3 a(n + 3) - 3 a(n + 1) - a(n), a(0) = 1, a(1) = 3, a(2) = 9,$

$a(3) = 30\}$

Sequence: A089931
Score: 5.89626
Type of gen. func.: ogf

$$-(1199 f(x) - 38) (f(x) x^4 + 3 f(x) x^3 + 3 f(x) x - f(x) + 1)$$

Sequence: A089932
Score: 6.64900
Type of gen. func.: ogf

$$-\frac{x-1}{(2x-1)(x^2-3x+1)(x^3-3x^2+4x-1)}$$

Sequence: A089932
Score: 8.63737
Type of gen. func.: lgdogf

$$-\frac{2x^6-12x^5+31x^4-44x^3+48x^2-24x+4}{(x-1)(2x-1)(x^2-3x+1)(x^3-3x^2+4x-1)}$$

Sequence: A089936
Score: 3.73926
Type of gen. func.: ogf

$$-\frac{x^8-3x^7-23x^6+49x^5+68x^4-129x^3-37x^2+47x+13}{x^9-4x^8-20x^7+64x^6+15x^5-105x^4+36x^2+4x-1}$$

Sequence: A089941
Score: 4.60938
Type of gen. func.: ogf

$$2f(x)^2x^4+3x^3f(x)^2+2f(x)x^3-3f(x)^2x+f(x)x^2+f(x)^2+f(x)x+x^2$$
$$-f(x)$$

Sequence: A089947
Score: 3.69514
Type of gen. func.: ogf

$$-(x-1)^9 \Big/ ((2x-1)(x^2-3x+1)(x^3-3x^2+4x-1)$$
$$(x^4-4x^3+6x^2-5x+1))$$

Sequence: A089950
Score: 11.7431

Type of gen. func.: lgdogf

$$-\frac{3 x^{3} - 25 x^{2} + 61 x - 23}{(x - 1) (-3 + x) (x^{2} - 6 x + 1)}$$

Sequence: A089950
Score: 5.15766
Type of gen. func.: ogf

$-(1292000 f(x) + 227)$

$$(f(x) x^{4} - 8 f(x) x^{3} + 14 f(x) x^{2} - 8 f(x) x + x^{2} + f(x) - 3 x)$$

Sequence: A089950
Score: 8.85679
Type of gen. func.: ogf

$$-\frac{x (-3 + x)}{(x^{2} - 6 x + 1) (x - 1)^{2}}$$

Sequence: A089951
Score: 12.2612
Type of gen. func.: lgdogf

$$\frac{2 (200 x^{7} - 440 x^{6} + 240 x^{5} - 4 x + 5)}{(x - 1) (80 x^{7} - 80 x^{6} + 8 x^{2} - 8 x - 1)}$$

Sequence: A089958
Score: 9.97092
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{5} + x^{4} + x^{3} + x^{2} + x}{x^{8} + x^{6} - x^{2} - 1}$$

Sequence: A089963
Score: 26.2875
Type of gen. func.: revegf]

$$-\frac{-\mathrm{Ei}(1, -1) + \mathrm{Ei}(1, -x - 1)}{\exp(1)}$$

Sequence: A089977
Score: 12.0896
Type of gen. func.: ogf

$$-4 f(x) x^{3} - f(x) x + f(x) - 1$$

Sequence: A089977
Score: 22.5581
Type of gen. func.: lgdogf

$$-\frac{12 x^{2} + 1}{(2 x - 1) (2 x^{2} + x + 1)}$$

Sequence: A089977
Score: 24.5961
Type of gen. func.: ogf

$$-\frac{1}{(2 x - 1) (2 x^{2} + x + 1)}$$

Sequence: A089977
Score: 7.58817
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 4 a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A089978
Score: 19.0207
Type of gen. func.: ogf

$$1$$

$$-\frac{}{3 x^{3} + 3 x - 1}$$

Sequence: A089978
Score: 22.7706
Type of gen. func.: lgdogf

$$-\frac{3 (3 x^{2} + 1)}{3 x^{3} + 3 x - 1}$$

Sequence: A089978
Score: 6.67747
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + 3 a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A089978
Score: 7.74915
Type of gen. func.: ogf

$$(f(x) - 1) (3 f(x) x^{3} + 3 f(x) x - f(x) + 1)$$

Sequence: A089979
Score: 18.5279
Type of gen. func.: ogf

$$-\frac{1}{4 x^{3} + 4 x - 1}$$

Sequence: A089979
Score: 22.1807
Type of gen. func.: lgdogf

$$-\frac{4 (3 x^{2} + 1)}{4 x^{3} + 4 x - 1}$$

Sequence: A089979
Score: 6.43601
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) + 4 a(n), a(0) = 1, a(1) = 4, a(2) = 16\}$$

Sequence: A089979
Score: 7.54841
Type of gen. func.: ogf

$$(f(x) - 1) (4 f(x) x^3 + 4 f(x) x - f(x) + 1)$$

Sequence: A089985
Score: 11.5335
Type of gen. func.: ogf

$$- \frac{2 x^3 - x^2 + 3 x - 2}{(2 x - 1) (x - 1)}$$

Sequence: A089985
Score: 11.6895
Type of gen. func.: lgdogf

$$\frac{4 x^4 - 12 x^3 + 3 x^2 + 6 x - 3}{(x - 1) (2 x - 1) (2 x^3 - x^2 + 3 x - 2)}$$

Sequence: A089985
Score: 6.11778
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 3) + 2 a(n + 2), a(0) = 2, a(1) = 3, a(2) = 6, a(3) = 10\}$$

Sequence: A089985
Score: 6.63721
Type of gen. func.: ogf

$$-(2 f(x) + 23) (2 f(x) x^2 + 2 x^3 - 3 f(x) x - x^2 + f(x) + 3 x - 2)$$

Sequence: A090010
Score: 25.8205
Type of gen. func.: lgdegf]

$$-\frac{x^2 + 12 x + 43}{(x + 6) (x - 1)}$$

Sequence: A090012
Score: 4.27489
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 1) + (-n - 5) a(n + 2) + a(n + 3), a(0) = 3, a(1) = 9, a(2) = 39\}$$

Sequence: A090012
Score: 47.1110
Type of gen. func.: lgdegf]

$$-\frac{x + 3}{x - 1}$$

Sequence: A090013
Score: 3.93175
Type of gen. func.: ogf

$$\{(n + 2) a(n + 1) + (n + 6) a(n + 2) - a(n + 3), a(0) = 4, a(1) = 16, a(2) = 84\}$$

Sequence: A090013
Score: 43.5964
Type of gen. func.: lgdegf]

$$-\frac{x + 4}{x - 1}$$

```
------------------------------------------------------------------------------

Sequence:  A090014
Score: 3.59839
Type of gen. func.: ogf


{(-n - 2) a(n + 1) + (-n - 7) a(n + 2) + a(n + 3), a(0) = 5, a(1) = 25,

    a(2) = 155}



------------------------------------------------------------------------------

Sequence:  A090014
Score: 40.1371
Type of gen. func.: lgdegf]

                                        x + 5
                                      - -----
                                        x - 1



------------------------------------------------------------------------------

Sequence:  A090015
Score: 3.76382
Type of gen. func.: ogf


{(-n - 2) a(n + 1) + (-n - 8) a(n + 2) + a(n + 3), a(0) = 6, a(1) = 36,

    a(2) = 258}



------------------------------------------------------------------------------

Sequence:  A090015
Score: 42.0259
Type of gen. func.: lgdegf]

                                        x + 6
                                      - -----
                                        x - 1



------------------------------------------------------------------------------

Sequence:  A090016
Score: 3.86723
Type of gen. func.: ogf


{(-n - 2) a(n + 1) + (-n - 9) a(n + 2) + a(n + 3), a(0) = 7, a(1) = 49,

    a(2) = 399}



------------------------------------------------------------------------------

Sequence:  A090016
Score: 43.2065
Type of gen. func.: lgdegf]
```

$$-\frac{x + 7}{x - 1}$$

Sequence: A090017
Score: 10.8808
Type of gen. func.: ogf

$$-2 f(x) x^2 - 4 f(x) x + f(x) - x$$

Sequence: A090017
Score: 17.3504
Type of gen. func.: ogf

$$-\frac{x}{2 x^2 + 4 x - 1}$$

Sequence: A090017
Score: 18.0695
Type of gen. func.: revogf

$$\frac{-1 - 4 x + (24 x^2 + 8 x + 1)^{1/2}}{4 x}$$

Sequence: A090017
Score: 28.7469
Type of gen. func.: lgdogf

$$-\frac{4 (x + 1)}{2 x^2 + 4 x - 1}$$

Sequence: A090017
Score: 7.92551
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A090018
Score: 15.2283
Type of gen. func.: revogf

$$\frac{-1 - 6 x + (48 x^2 + 12 x + 1)^{1/2}}{6 x}$$

Sequence: A090018
Score: 16.9758
Type of gen. func.: ogf

$$- \frac{1}{3 x^2 + 6 x - 1}$$

Sequence: A090018
Score: 24.9190
Type of gen. func.: lgdogf

$$- \frac{6 (x + 1)}{3 x^2 + 6 x - 1}$$

Sequence: A090018
Score: 6.66907
Type of gen. func.: ogf

$$(181 f(x) - 37) (3 f(x) x^2 + 6 f(x) x - f(x) + 1)$$

Sequence: A090018
Score: 6.83173
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A090019
Score: 12.4179

Type of gen. func.: ogf

$$-10 f(x) x + f(x) + 4 x - 1$$

Sequence: A090019
Score: 15.0321
Type of gen. func.: ogf

$$\frac{4 x - 1}{10 x - 1}$$

Sequence: A090019
Score: 15.9841
Type of gen. func.: revogf

$$1/8 + \frac{5 x}{4} - \frac{(100 x^2 + 4 x + 1)^{1/2}}{8}$$

Sequence: A090019
Score: 29.4444
Type of gen. func.: lgdogf

$$\frac{6}{(10 x - 1) (4 x - 1)}$$

Sequence: A090019
Score: 7.82495
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 6\}$$

Sequence: A090020
Score: 4.21506
Type of gen. func.: ogf

$$(107 f(x) - 1317) ($$

$$30 f(x) x^4 - 61 f(x) x^3 + 41 f(x) x^2 + 11 x^3 - 11 f(x) x - 2 x^2 + f(x) - x)$$

Sequence: A090020
Score: 6.66831
Type of gen. func.: lgdogf

$$-\frac{660 x^5 - 851 x^4 + 124 x^3 + 222 x^2 - 104 x + 13}{(x - 1) (3 x - 1) (5 x - 1) (2 x - 1) (11 x^2 - 2 x - 1)}$$

Sequence: A090020
Score: 7.72760
Type of gen. func.: ogf

$$-\frac{x (11 x^2 - 2 x - 1)}{(x - 1) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A090021
Score: 4.07308
Type of gen. func.: ogf

$$(66030 f(x) - 4913659) (36 f(x) x^4 - 72 f(x) x^3 + 47 f(x) x^2 + 30 x^3 - 12 f(x) x - 9 x^2 + f(x) - x)$$

Sequence: A090021
Score: 6.45306
Type of gen. func.: lgdogf

$$-\frac{2160 x^5 - 3132 x^4 + 1152 x^3 + 153 x^2 - 154 x + 21}{(x - 1) (6 x - 1) (3 x - 1) (2 x - 1) (30 x^2 - 9 x - 1)}$$

Sequence: A090021
Score: 7.72840
Type of gen. func.: ogf

$$-\frac{x (30 x^2 - 9 x - 1)}{(x - 1) (6 x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A090022
Score: 3.93317
Type of gen. func.: ogf

$$(1005 f(x) - 32449) (84 f(x) x^4 - 145 f(x) x^3 + 75 f(x) x^2 + 47 x^3 - 15 f(x) x - 10 x^2 + f(x) - x)$$

Sequence: A090022
Score: 6.05520
Type of gen. func.: lgdogf

$$- \frac{7896 x^5 - 9335 x^4 + 2564 x^3 + 390 x^2 - 244 x + 25}{(x - 1) (3 x - 1) (-1 + 7 x) (4 x - 1) (47 x^2 - 10 x - 1)}$$

Sequence: A090022
Score: 7.22720
Type of gen. func.: ogf

$$- \frac{x (47 x^2 - 10 x - 1)}{(x - 1) (3 x - 1) (-1 + 7 x) (4 x - 1)}$$

Sequence: A090023
Score: 5.93329
Type of gen. func.: ogf

$$- \frac{x (200 x^3 - 136 x^2 + 19 x + 1)}{(x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (-1 + 8 x)}$$

Sequence: A090024
Score: 5.51725
Type of gen. func.: ogf

$$- \frac{x (291 x^3 - 189 x^2 + 25 x + 1)}{(x - 1) (3 x - 1) (9 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A090037
Score: 3.28603
Type of gen. func.: ogf

$$(f(x) - 1)^2$$

Sequence: A090040
Score: 12.9061
Type of gen. func.: ogf

$$- \frac{3 x - 1}{(6 x - 1) (2 x - 1)}$$

Sequence: A090040
Score: 13.8453
Type of gen. func.: revogf

$$- \frac{-1 - 8 x + (16 x^2 + 4 x + 1)^{1/2}}{6 (1 + 4 x)}$$

Sequence: A090040
Score: 14.1830
Type of gen. func.: lgdogf

$$- \frac{36 x^2 - 24 x + 5}{(6 x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A090040
Score: 6.52398
Type of gen. func.: ogf

$$-(16 f(x) + 9) (12 f(x) x^2 - 8 f(x) x + f(x) + 3 x - 1)$$

Sequence: A090040

Score: 7.15278
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 12 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A090041
Score: 12.4291
Type of gen. func.: ogf

$$-\frac{4 x - 1}{20 x^{2} - 10 x + 1}$$

Sequence: A090041
Score: 13.3066
Type of gen. func.: revogf

$$-\frac{-1 - 10 x + (20 x^{2} + 4 x + 1)^{1/2}}{8 (5 x + 1)}$$

Sequence: A090041
Score: 13.3066
Type of gen. func.: lgdogf

$$-\frac{2 (40 x^{2} - 20 x + 3)}{(4 x - 1) (20 x^{2} - 10 x + 1)}$$

Sequence: A090041
Score: 6.28137
Type of gen. func.: ogf

$$-(55 f(x) + 26) (20 f(x) x^{2} - 10 f(x) x + f(x) + 4 x - 1)$$

Sequence: A090041
Score: 6.95437
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 20 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A090042
Score: 13.3599
Type of gen. func.: ogf

$$\frac{x - 1}{11 x^2 + 2 x - 1}$$

Sequence: A090042
Score: 15.8425
Type of gen. func.: lgdogf

$$- \frac{11 x^2 - 22 x - 1}{(x - 1) (11 x^2 + 2 x - 1)}$$

Sequence: A090042
Score: 15.8425
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (48 x^2 + 1)^{1/2}}{2 (11 x - 1)}$$

Sequence: A090042
Score: 7.40429
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 11 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A090042
Score: 8.90546
Type of gen. func.: ogf

$$(180 f(x) - 179) (11 f(x) x^2 + 2 f(x) x - f(x) - x + 1)$$

Sequence: A090097
Score: 6.18926
Type of gen. func.: ogf

$$\frac{x^{6}+7x^{5}+2x^{4}+7x^{3}+9x^{2}+2x+8}{(x+1)(x^{2}+x+1)(x^{2}-x+1)(x-1)^{2}}$$

Sequence: A090107
Score: 7.74696
Type of gen. func.: ogf

$$-\frac{2x^{66}+4x^{65}+244x^{2}-14x+1}{6x^{66}-4x^{65}-244x^{4}+502x^{3}-273x^{2}+16x-1}$$

Sequence: A090107
Score: 9.19841
Type of gen. func.: lgdogf

$$\frac{2(39304x^{66}+39304x^{65}-145433x^{2}+8228x-578)}{39304x^{65}+145433x^{3}-153661x^{2}+8806x-578}$$

Sequence: A090108
Score: 11.0046
Type of gen. func.: ogf

$$-\frac{34x^{69}+68x^{68}+1}{102x^{69}-68x^{68}-x^{2}+2x-1}$$

Sequence: A090108
Score: 20.5877
Type of gen. func.: lgdogf

$$\frac{2(1207x^{69}+1207x^{68}-1)}{1207x^{68}+x-1}$$

Sequence: A090109
Score: 6.99517
Type of gen. func.: ogf

$$-\frac{1125 x^{67} + 2250 x^{66} + 332 x^{2} + 195 x + 75}{3375 x^{67} - 2250 x^{66} - 332 x^{4} + 469 x^{3} - 17 x^{2} - 45 x - 75}$$

Sequence: A090109
Score: 8.04792
Type of gen. func.: lgdogf

$$\frac{2 (24638175 x^{67} + 24638175 x^{66} - 211898 x^{2} - 124200 x - 47610)}{24638175 x^{66} + 211898 x^{3} - 87698 x^{2} - 76590 x - 47610}$$

Sequence: A090129
Score: 14.2684
Type of gen. func.: ogf

$$\frac{2 x^{2} - 1}{2 x - 1}$$

Sequence: A090129
Score: 17.3152
Type of gen. func.: lgdogf

$$\frac{2 (2 x^{2} - 2 x + 1)}{(2 x - 1) (2 x^{2} - 1)}$$

Sequence: A090129
Score: 6.96436
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 2\}$$

Sequence: A090129
Score: 7.80008
Type of gen. func.: ogf

$$-(f(x) - 1) (2 f(x) x - 2 x^2 - f(x) + 1)$$

Sequence: A090131
Score: 10.5380
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A090131
Score: 19.2025
Type of gen. func.: ogf

$$\frac{x + 1}{2 x^2 - 2 x + 1}$$

Sequence: A090131
Score: 22.1149
Type of gen. func.: revogf

$$-\frac{-1 - 2 x + (-4 x^2 + 8 x + 1)^{1/2}}{2 (2 x - 1)}$$

Sequence: A090131
Score: 26.5379
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 4 x - 3}{(x + 1) (2 x^2 - 2 x + 1)}$$

Sequence: A090131
Score: 9.70913

Type of gen. func.: ogf

$$-(f(x) - 4) (2 f(x) x^2 - 2 f(x) x + f(x) - x - 1)$$

Sequence: A090132
Score: 11.7338
Type of gen. func.: ogf

$$2 f(x) x^2 + 2 f(x) x + f(x) - 2 x - 1$$

Sequence: A090132
Score: 16.4273
Type of gen. func.: ogf

$$\frac{2 x + 1}{2 x^2 + 2 x + 1}$$

Sequence: A090132
Score: 21.4226
Type of gen. func.: revogf

$$- \frac{-1 + 2 x + (-4 x^2 + 4 x + 1)^{1/2}}{4 (x - 1)}$$

Sequence: A090132
Score: 26.1088
Type of gen. func.: lgdogf

$$- \frac{4 x (x + 1)}{(2 x + 1) (2 x^2 + 2 x + 1)}$$

Sequence: A090132
Score: 9.12628
Type of gen. func.: ogf

$$\{-a(n + 2) - 2 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 0\}$$

Sequence: A090133
Score: 10.9054
Type of gen. func.: ogf

$$5 f(x) x^2 + 4 f(x) x + f(x) - 4 x - 1$$

Sequence: A090133
Score: 15.2676
Type of gen. func.: ogf

$$\frac{1 + 4 x}{5 x^2 + 4 x + 1}$$

Sequence: A090133
Score: 17.0870
Type of gen. func.: revogf

$$- \frac{-1 + 4 x + (-4 x^2 + 8 x + 1)^{1/2}}{2 (-4 + 5 x)}$$

Sequence: A090133
Score: 20.5044
Type of gen. func.: lgdogf

$$- \frac{10 x (2 x + 1)}{(1 + 4 x) (5 x^2 + 4 x + 1)}$$

Sequence: A090133
Score: 8.48200
Type of gen. func.: ogf

$$\{-a(n + 2) - 4 a(n + 1) - 5 a(n), a(0) = 1, a(1) = 0\}$$

Sequence: A090139
Score: 12.3016

Type of gen. func.: ogf

$$-\frac{5x-1}{20x^2-10x+1}$$

Sequence: A090139
Score: 13.8096
Type of gen. func.: lgdogf

$$-\frac{5(20x^2-8x+1)}{(5x-1)(20x^2-10x+1)}$$

Sequence: A090139
Score: 6.28453
Type of gen. func.: ogf

$$-(16 f(x)+9)(20 f(x) x^2-10 f(x) x+f(x)+5x-1)$$

Sequence: A090139
Score: 6.88305
Type of gen. func.: ogf

$$\{a(n+2)-10 a(n+1)+20 a(n), a(0)=1, a(1)=5\}$$

Sequence: A090168
Score: 11.1878
Type of gen. func.: lgdogf

$$-\frac{2x^6+5x^5+13x^4+18x^3+14x^2+6x+2}{(x-1)(x+1)(x^2+x+1)(x^3+x^2+2x+1)}$$

Sequence: A090168
Score: 11.6455
Type of gen. func.: ogf

3   2

$$\frac{x\,(x + x + 2\,x + 1)}{(x^2 + x + 1)\,(x + 1)\,(x - 1)^2}$$

Sequence: A090169
Score: 10.1659
Type of gen. func.: lgdogf

$$-\frac{6\,x^6 + 21\,x^5 + 37\,x^4 + 40\,x^3 + 32\,x^2 + 16\,x + 4}{(x - 1)\,(x + 1)\,(x^2 + x + 1)\,(3\,x^3 + 5\,x^2 + 4\,x + 1)}$$

Sequence: A090169
Score: 11.3847
Type of gen. func.: ogf

$$\frac{x\,(3\,x^3 + 5\,x^2 + 4\,x + 1)}{(x^2 + x + 1)\,(x + 1)\,(x - 1)^2}$$

Sequence: A090176
Score: 8.88530
Type of gen. func.: ogf

$$-\frac{x^6 - x^3 + 1}{(x^2 - x + 1)\,(x^4 - x^2 + 1)\,(x^2 + x + 1)^2\,(x + 1)^2\,(x^2 + 1)^2\,(x - 1)^3}$$

Sequence: A090192
Score: 12.5989
Type of gen. func.: ogf

$$f(x)^2\,x - 2\,f(x)\,x + f(x) - 1$$

Sequence: A090192
Score: 18.4654
Type of gen. func.: lgdogf

$$-\frac{-2x-1+(4x^2+1)^{1/2}}{2x(4x^2+1)^{1/2}}$$

Sequence: A090192
Score: 57.8584
Type of gen. func.: revogf

$$\frac{x(x+1)}{2x+1}$$

Sequence: A090197
Score: 10.6767
Type of gen. func.: ogf

$$-\frac{5x^2-10x-1}{(x-1)^4}$$

Sequence: A090197
Score: 18.7875
Type of gen. func.: lgdogf

$$-\frac{2(5x^2-10x-7)}{(x-1)(5x^2-10x-1)}$$

Sequence: A090197
Score: 5.53605
Type of gen. func.: ogf

$(492 f(x) + 9053)$

$$(f(x)x^4-4f(x)x^3+6f(x)x^2-4f(x)x+5x^2+f(x)-10x-1)$$

Sequence: A090198
Score: 11.2110
Type of gen. func.: lgdogf

$$-\frac{2 (x^4 - 9 x^3 - 24 x^2 + 71 x + 21)}{(x - 1) (2 x^4 - 13 x^3 - 3 x^2 + 37 x + 1)}$$

Sequence: A090198
Score: 7.42558
Type of gen. func.: ogf

$$-\frac{2 x^4 - 13 x^3 - 3 x^2 + 37 x + 1}{(x - 1)^5}$$

Sequence: A090199
Score: 6.34023
Type of gen. func.: ogf

$$\frac{21 x^4 - 154 x^3 + 126 x^2 + 126 x + 1}{(x - 1)^6}$$

Sequence: A090199
Score: 9.72249
Type of gen. func.: lgdogf

$$-\frac{6 (7 x^4 - 63 x^3 + 7 x^2 + 147 x + 22)}{(x - 1) (21 x^4 - 154 x^3 + 126 x^2 + 126 x + 1)}$$

Sequence: A090200
Score: 4.38983
Type of gen. func.: ogf

$$\frac{5 x^6 - 86 x^5 + 173 x^4 + 908 x^3 - 1297 x^2 - 422 x - 1}{(x - 1)^7}$$

Sequence: A090200
Score: 5.58386
Type of gen. func.: lgdogf

$$-\frac{5x^6-142x^5+89x^4+4324x^3-3761x^2-5126x-429}{(x-1)(5x^6-86x^5+173x^4+908x^3-1297x^2-422x-1)}$$

Sequence: A090220
Score: 7.67291
Type of gen. func.: egf]

$$\frac{x^{11}+x^{10}+54x^4-324x^2-648x-648}{108(x^3-6)}$$

Sequence: A090223
Score: 10.9176
Type of gen. func.: lgdogf

$$-\frac{3x^7+5x^6+7x^5+9x^4+4x^3+6x^2+4x+2}{(x-1)(x+1)(x^2+1)(x^4+x^3+x^2+x+1)}$$

Sequence: A090223
Score: 11.7384
Type of gen. func.: ogf

$$\frac{x^2(x+1)(x^2+1)}{(x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A090223
Score: 31.0689
Type of gen. func.: ogf_with_Euler_transform]

$$x^4-x^3+2$$

Sequence: A090244
Score: 6.54155
Type of gen. func.: ogf

$$(10 f(x) + 39) (f(x) x^4 + f(x) x^2 - x^3 + 2 x^2 - f(x) + 2 x + 1)$$

Sequence: A090247
Score: 11.6213
Type of gen. func.: ogf

$$- \frac{2 (13 x - 1)}{x^2 - 26 x + 1}$$

Sequence: A090247
Score: 14.0818
Type of gen. func.: lgdogf

$$- \frac{13 x^2 - 2 x + 13}{(13 x - 1) (x^2 - 26 x + 1)}$$

Sequence: A090247
Score: 5.74947
Type of gen. func.: ogf

$$-(168 f(x) - 167) (f(x) x^2 - 26 f(x) x + f(x) + 26 x - 2)$$

Sequence: A090247
Score: 6.50238
Type of gen. func.: ogf

$$\{a(n + 2) - 26 a(n + 1) + a(n), a(0) = 2, a(1) = 26\}$$

Sequence: A090248
Score: 11.7983
Type of gen. func.: ogf

$$27 x - 2$$

$$-\frac{}{x^{2} - 27 x + 1}$$

Sequence: A090248
Score: 14.3007
Type of gen. func.: lgdogf

$$-\frac{27 x^{2} - 4 x + 27}{(27 x - 2) (x^{2} - 27 x + 1)}$$

Sequence: A090248
Score: 6.60140
Type of gen. func.: ogf

$$\{a(n + 2) - 27 a(n + 1) + a(n), a(0) = 2, a(1) = 27\}$$

Sequence: A090248
Score: 6.68042
Type of gen. func.: ogf

$$-(725 f(x) - 721) (f(x) x^{2} - 27 f(x) x + f(x) + 27 x - 2)$$

Sequence: A090249
Score: 11.8573
Type of gen. func.: ogf

$$-\frac{2 (14 x - 1)}{x^{2} - 28 x + 1}$$

Sequence: A090249
Score: 15.1722
Type of gen. func.: lgdogf

$$-\frac{2 (7 x^{2} - x + 7)}{(14 x - 1) (x^{2} - 28 x + 1)}$$

Sequence: A090249
Score: 5.51773
Type of gen. func.: ogf

$$-(152685 f(x) - 228538) (f(x) x^2 - 28 f(x) x + f(x) + 28 x - 2)$$

Sequence: A090249
Score: 6.63442
Type of gen. func.: ogf

$$\{a(n + 2) - 28 a(n + 1) + a(n), a(0) = 2, a(1) = 28\}$$

Sequence: A090251
Score: 11.9752
Type of gen. func.: ogf

$$-\frac{29 x - 2}{x^2 - 29 x + 1}$$

Sequence: A090251
Score: 14.5196
Type of gen. func.: lgdogf

$$-\frac{29 x^2 - 4 x + 29}{(29 x - 2) (x^2 - 29 x + 1)}$$

Sequence: A090251
Score: 5.92458
Type of gen. func.: ogf

$$-(837 f(x) - 833) (f(x) x^2 - 29 f(x) x + f(x) + 29 x - 2)$$

Sequence: A090251
Score: 6.70043
Type of gen. func.: ogf

$$\{a(n + 2) - 29 a(n + 1) + a(n), a(0) = 2, a(1) = 29\}$$

Sequence: A090277
Score: 5.04710
Type of gen. func.: ogf

$$-\frac{x^{18} + x^{17} + x^{15} + x^{13} + x^{12} - 2 x^{11} + 4 x^{9} - x^{7} + x^{6} - x^{5} + 2 x^{3} + x + 1}{(x - 1) (x^{2} + 1) (x^{4} - x^{2} + 1) (x^{4} + 1) (x^{8} - x^{4} + 1)}$$

Sequence: A090281
Score: 11.6056
Type of gen. func.: lgdogf

$$-\frac{x^{8} + 2 x^{7} + 2 x^{6} + 2 x^{5} - x^{4} - 2 x^{3} + 2 x^{2} + 2 x + 2}{(x - 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} + 1)}$$

Sequence: A090281
Score: 11.9951
Type of gen. func.: ogf

$$-\frac{x^{4} + x^{3} + x^{2} + x + 1}{(x - 1) (x^{4} + 1)}$$

Sequence: A090281
Score: 24.9075
Type of gen. func.: ogf_with_Euler_transform]

$$x^{7} - x^{4} - x^{3} + 2$$

Sequence: A090288
Score: 13.2546
Type of gen. func.: ogf

2

$$\frac{2\,(x - 2\,x - 1)}{(x - 1)^{3}}$$

Sequence: A090288
Score: 25.5849
Type of gen. func.: lgdogf

$$-\frac{x^{2} - 2\,x - 5}{(x - 1)\,(x^{2} - 2\,x - 1)}$$

Sequence: A090288
Score: 6.85196
Type of gen. func.: ogf

$$-(22\,f(x) - 161)\,(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x - 2\,x^{2} - f(x) + 4\,x + 2)$$

Sequence: A090288
Score: 7.09239
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 2,\ a(1) = 10,\ a(2) = 22\}$$

Sequence: A090294
Score: 14.9473
Type of gen. func.: lgdogf

$$-\frac{(x + 1)\,(5\,x^{2} - 24\,x + 35)}{(x - 1)\,(5\,x^{3} - 17\,x^{2} + 15\,x + 5)}$$

Sequence: A090294
Score: 4.14141
Type of gen. func.: ogf

$$\{(-2\,n^{2} - 25\,n - 42)\,a(n + 1) + (-8\,n^{2} - 66\,n - 135)\,a(n + 2)$$

^{2}

```
     + (10 n  + 55 n + 75) a(n + 3), a(0) = 5, a(1) = 35, a(2) = 93}
```

Sequence: A090294
Score: 5.44301
Type of gen. func.: ogf

$$(5 f(x) + 53) \left(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 5 x^3 - 4 f(x) x + 17 x^2 + f(x) - 15 x - 5 \right)$$

Sequence: A090294
Score: 9.64582
Type of gen. func.: ogf

$$\frac{5 x^3 - 17 x^2 + 15 x + 5}{(x - 1)^4}$$

Sequence: A090296
Score: 10.8123
Type of gen. func.: lgdogf

$$- \frac{7 x^4 - 36 x^3 + 60 x^2 - 8 x - 63}{(x - 1) (7 x^4 - 32 x^3 + 52 x^2 - 28 x - 7)}$$

Sequence: A090296
Score: 7.09688
Type of gen. func.: ogf

$$\frac{2 (7 x^4 - 32 x^3 + 52 x^2 - 28 x - 7)}{(x - 1)^5}$$

Sequence: A090297
Score: 5.54776
Type of gen. func.: ogf

$$\frac{2\,(21 x^5 - 119 x^4 + 266 x^3 - 278 x^2 + 105 x + 21)}{(x - 1)^6}$$

Sequence: A090297
Score: 7.37065
Type of gen. func.: lgdogf

$$-\frac{21 x^5 - 133 x^4 + 322 x^3 - 314 x^2 - 31 x + 231}{(x - 1)\,(21 x^5 - 119 x^4 + 266 x^3 - 278 x^2 + 105 x + 21)}$$

Sequence: A090300
Score: 11.2123
Type of gen. func.: ogf

$$\frac{2\,(-1 + 7 x)}{x^2 + 14 x - 1}$$

Sequence: A090300
Score: 13.9363
Type of gen. func.: lgdogf

$$-\frac{7 x^2 - 2 x - 7}{(-1 + 7 x)\,(x^2 + 14 x - 1)}$$

Sequence: A090300
Score: 5.66643
Type of gen. func.: ogf

$$-(50 f(x) - 51)\,(f(x) x^2 + 14 f(x) x - f(x) - 14 x + 2)$$

Sequence: A090300
Score: 6.27354
Type of gen. func.: ogf

{-a(n + 2) + 14 a(n + 1) + a(n), a(0) = 2, a(1) = 14}

Sequence: A090301
Score: 11.3931
Type of gen. func.: ogf

$$\frac{15 x - 2}{x^2 + 15 x - 1}$$

Sequence: A090301
Score: 13.4396
Type of gen. func.: lgdogf

$$-\frac{15 x^2 - 4 x - 15}{(15 x - 2) (x^2 + 15 x - 1)}$$

Sequence: A090301
Score: 5.6366
Type of gen. func.: ogf

$$-(229 f(x) - 233) (f(x) x^2 + 15 f(x) x - f(x) - 15 x + 2)$$

Sequence: A090301
Score: 6.37473
Type of gen. func.: ogf

{-a(n + 2) + 15 a(n + 1) + a(n), a(0) = 2, a(1) = 15}

Sequence: A090305
Score: 11.6945
Type of gen. func.: ogf

$$\frac{2 (-1 + 8 x)}{x^2 + 16 x - 1}$$

Sequence: A090305

Score: 14.9531

Type of gen. func.: lgdogf

$$-\frac{2\,(4\,x^2-x-4)}{(-1+8\,x)\,(x^2+16\,x-1)}$$

Sequence: A090305

Score: 5.78572

Type of gen. func.: ogf

$$(16705\,f(x)-25218)\,(f(x)\,x^2+16\,f(x)\,x-f(x)-16\,x+2)$$

Sequence: A090305

Score: 6.54337

Type of gen. func.: ogf

$$\{-a(n+2)+16\,a(n+1)+a(n),\ a(0)=2,\ a(1)=16\}$$

Sequence: A090306

Score: 11.8754

Type of gen. func.: ogf

$$\frac{17\,x-2}{x^2+17\,x-1}$$

Sequence: A090306

Score: 14.0208

Type of gen. func.: lgdogf

$$-\frac{17\,x^2-4\,x-17}{(17\,x-2)\,(x^2+17\,x-1)}$$

Sequence: A090306

Score: 5.87519

Type of gen. func.: ogf

$$-(293 f(x) - 297) (f(x) x^2 + 17 f(x) x - f(x) - 17 x + 2)$$

Sequence: A090306
Score: 6.64455
Type of gen. func.: ogf

$$\{-a(n + 2) + 17 a(n + 1) + a(n), a(0) = 2, a(1) = 17\}$$

Sequence: A090307
Score: 10.5594
Type of gen. func.: ogf

$$\frac{2 (9 x - 1)}{x^2 + 18 x - 1}$$

Sequence: A090307
Score: 13.4779
Type of gen. func.: lgdogf

$$- \frac{9 x^2 - 2 x - 9}{(9 x - 1) (x^2 + 18 x - 1)}$$

Sequence: A090307
Score: 5.33649
Type of gen. func.: ogf

$$-(82 f(x) - 83) (f(x) x^2 + 18 f(x) x - f(x) - 18 x + 2)$$

Sequence: A090307
Score: 5.90826
Type of gen. func.: ogf

$$\{-a(n + 2) + 18 a(n + 1) + a(n), a(0) = 2, a(1) = 18\}$$

Sequence: A090308
Score: 10.6774
Type of gen. func.: ogf

$$\frac{19 x - 2}{x^2 + 19 x - 1}$$

Sequence: A090308
Score: 12.5833
Type of gen. func.: lgdogf

$$-\frac{19 x^2 - 4 x - 19}{(19 x - 2) (x^2 + 19 x - 1)}$$

Sequence: A090308
Score: 5.28251
Type of gen. func.: ogf

$$-(365 f(x) - 369) (f(x) x^2 + 19 f(x) x - f(x) - 19 x + 2)$$

Sequence: A090308
Score: 5.97427
Type of gen. func.: ogf

$$\{-a(n + 2) + 19 a(n + 1) + a(n), a(0) = 2, a(1) = 19\}$$

Sequence: A090309
Score: 10.8544
Type of gen. func.: ogf

$$\frac{2 (10 x - 1)}{x^2 + 20 x - 1}$$

Sequence: A090309
Score: 13.1333
Type of gen. func.: lgdogf

$$-\frac{2\,(5\,x^2 - x - 5)}{(10\,x - 1)\,(x^2 + 20\,x - 1)}$$

Sequence: A090309
Score: 5.37007
Type of gen. func.: ogf

$$-(101\,f(x) - 102)\,(f(x)\,x^2 + 20\,f(x)\,x - f(x) - 20\,x + 2)$$

Sequence: A090309
Score: 6.07330
Type of gen. func.: ogf

$$\{-a(n + 2) + 20\,a(n + 1) + a(n),\ a(0) = 2,\ a(1) = 20\}$$

Sequence: A090310
Score: 10.9134
Type of gen. func.: ogf

$$\frac{21\,x - 2}{x^2 + 21\,x - 1}$$

Sequence: A090310
Score: 12.8677
Type of gen. func.: lgdogf

$$-\frac{21\,x^2 - 4\,x - 21}{(21\,x - 2)\,(x^2 + 21\,x - 1)}$$

Sequence: A090310
Score: 5.39925
Type of gen. func.: ogf

$$-(445\,f(x) - 449)\,(f(x)\,x^2 + 21\,f(x)\,x - f(x) - 21\,x + 2)$$

Sequence: A090310
Score: 6.10630
Type of gen. func.: ogf

$$\{-a(n + 2) + 21 a(n + 1) + a(n), a(0) = 2, a(1) = 21\}$$

Sequence: A090313
Score: 11.2083
Type of gen. func.: ogf

$$\frac{2 (11 x - 1)}{x^2 + 22 x - 1}$$

Sequence: A090313
Score: 13.2231
Type of gen. func.: lgdogf

$$-\frac{11 x^2 - 2 x - 11}{(11 x - 1) (x^2 + 22 x - 1)}$$

Sequence: A090313
Score: 5.54518
Type of gen. func.: ogf

$$-(122 f(x) - 123) (f(x) x^2 + 22 f(x) x - f(x) - 22 x + 2)$$

Sequence: A090313
Score: 6.27133
Type of gen. func.: ogf

$$\{-a(n + 2) + 22 a(n + 1) + a(n), a(0) = 2, a(1) = 22\}$$

Sequence: A090314
Score: 11.2673
Type of gen. func.: ogf

$$\frac{23 x - 2}{x^2 + 23 x - 1}$$

Sequence: A090314
Score: 13.2942
Type of gen. func.: lgdogf

$$- \frac{23 x^2 - 4 x - 23}{(23 x - 2) (x^2 + 23 x - 1)}$$

Sequence: A090314
Score: 6.30435
Type of gen. func.: ogf

$$\{-a(n + 2) + 23 a(n + 1) + a(n), a(0) = 2, a(1) = 23\}$$

Sequence: A090314
Score: 8.21344
Type of gen. func.: ogf

$$-(533 f(x) - 537) (f(x) x^2 + 23 f(x) x - f(x) - 23 x + 2)$$

Sequence: A090316
Score: 11.3853
Type of gen. func.: ogf

$$\frac{2 (12 x - 1)}{x^2 + 24 x - 1}$$

Sequence: A090316
Score: 14.1627
Type of gen. func.: lgdogf

$$- \frac{2 (6 x^2 - x - 6)}{}$$

$$(12 x - 1) (x^2 + 24 x - 1)$$

Sequence: A090316
Score: 6.37036
Type of gen. func.: ogf

$$\{-a(n + 2) + 24 a(n + 1) + a(n), a(0) = 2, a(1) = 24\}$$

Sequence: A090316
Score: 7.28615
Type of gen. func.: ogf

$$(83665 f(x) - 125858) (f(x) x^2 + 24 f(x) x - f(x) - 24 x + 2)$$

Sequence: A090317
Score: 10.4979
Type of gen. func.: ogf

$$9 f(x)^2 x^2 - 2 f(x)^2 x - 4 f(x) x + f(x) + 4 x - 1$$

Sequence: A090317
Score: 15.5027
Type of gen. func.: revogf

$$1/8 + x/2 - \frac{9 x^2}{8} - \frac{((9 x^2 - 2 x + 1) (3 x - 1)^2)^{1/2}}{8}$$

Sequence: A090326
Score: 10.3517
Type of gen. func.: ogf

$$\frac{4 x^2 - 3 x + 1}{(3 x - 1) (2 x - 1) (x - 1)^2}$$

Sequence: A090326
Score: 3.60280
Type of gen. func.: ogf

$$\{(-12 n - 30) a(n + 1) + (22 n + 43) a(n + 2) + (-12 n - 20) a(n + 3) + (2 n + 3) a(n + 4), a(0) = 1, a(1) = 4, a(2) = 15, a(3) = 54\}$$

Sequence: A090326
Score: 5.4042
Type of gen. func.: ogf

$$(4208 f(x) + 843)$$

$$(6 f(x) x^4 - 17 f(x) x^3 + 17 f(x) x^2 - 7 f(x) x - 4 x^2 + f(x) + 3 x - 1)$$

Sequence: A090326
Score: 9.17621
Type of gen. func.: lgdogf

$$-\frac{2 (3 x - 2) (8 x^3 - 7 x^2 + 4 x - 1)}{(x - 1) (3 x - 1) (2 x - 1) (4 x^2 - 3 x + 1)}$$

Sequence: A090327
Score: 10.6630
Type of gen. func.: ogf

$$-\frac{2 x^3 - 2 x^2 - 2 x + 1}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A090327
Score: 5.52899
Type of gen. func.: ogf

$$\{a(n + 4) - 6 a(n + 3) + 11 a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 4, a(2) = 11, a(3) = 30\}$$

Sequence: A090327
Score: 6.16871

Type of gen. func.: ogf

$$(9 f(x) - 26)$$

$$(6 f(x) x^3 - 11 f(x) x^2 + 2 x^3 + 6 f(x) x - 2 x^2 - f(x) - 2 x + 1)$$

Sequence: A090327
Score: 8.45345
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^4 - 24 x^3 + 29 x^2 - 13 x + 2)}{(x - 1) (3 x - 1) (2 x - 1) (2 x^3 - 2 x^2 - 2 x + 1)}$$

Sequence: A090328
Score: 12.5094
Type of gen. func.: ogf

$$\frac{x^2 + x - 1}{(3 x - 1) (x - 1)^2}$$

Sequence: A090328
Score: 14.2632
Type of gen. func.: lgdogf

$$- \frac{3 x^3 + 9 x^2 - 12 x + 4}{(x - 1) (3 x - 1) (x^2 + x - 1)}$$

Sequence: A090328
Score: 6.57823
Type of gen. func.: ogf

$$-(7 f(x) + 25) (3 f(x) x^3 - 7 f(x) x^2 + 5 f(x) x - x^2 - f(x) - x + 1)$$

Sequence: A090328
Score: 6.75287

Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 7 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 4, a(2) = 12\}$$

Sequence: A090337
Score: 10.1673
Type of gen. func.: ogf

$$\{a(n + 2) - 99 a(n), a(0) = 1, a(1) = 11\}$$

Sequence: A090337
Score: 15.6057
Type of gen. func.: ogf

$$-\frac{11 x + 1}{99 x^2 - 1}$$

Sequence: A090337
Score: 16.4765
Type of gen. func.: revogf

$$\frac{-1 + (396 x^2 + 44 x + 1)^{1/2}}{22 (1 + 9 x)}$$

Sequence: A090337
Score: 16.8990
Type of gen. func.: lgdogf

$$-\frac{11 (99 x^2 + 18 x + 1)}{(11 x + 1) (99 x^2 - 1)}$$

Sequence: A090337
Score: 8.82953
Type of gen. func.: ogf

$$-(180 f(x) - 59) (99 f(x) x^2 - f(x) + 11 x + 1)$$

Sequence: A090344
Score: 15.4132
Type of gen. func.: revogf

$$-\frac{-1 - x - x^2 + (x^4 - 2 x^3 + 3 x^2 + 2 x + 1)^{1/2}}{2 x^2}$$

Sequence: A090344
Score: 3.88501
Type of gen. func.: ogf

$$\{(4 n + 10) a(n + 1) + (-3 n - 8) a(n + 2) + (-2 n - 10) a(n + 3) + (n + 6) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 3\}$$

Sequence: A090344
Score: 9.99002
Type of gen. func.: ogf

$$-x^3 f(x)^2 + f(x)^2 x^2 + f(x) x - f(x) + 1$$

Sequence: A090345
Score: 12.5382
Type of gen. func.: ogf

$$-f(x)^2 x^2 - f(x) x + f(x) + x - 1$$

Sequence: A090345
Score: 13.3193
Type of gen. func.: revogf

$$1/2 + x/2 + \frac{x^2}{2} - \frac{(x^4 + 2 x^3 + 3 x^2 - 2 x + 1)^{1/2}}{2}$$

Sequence: A090345

Score: 3.53683
Type of gen. func.: ogf

$$\{(-4 n - 6) a(n + 1) + (3 n + 9) a(n + 2) + (2 n + 9) a(n + 3) + (-n - 6) a(n + 4), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 1\}$$

Sequence: A090374
Score: 4.40873
Type of gen. func.: ogf

$$\{(-1024 n^3 - 7680 n^2 - 19136 n - 15840) a(n + 1) + (27 n^3 + 270 n^2 + 897 n + 990) a(n + 2), a(0) = 1, a(1) = 10\}$$

Sequence: A090374
Score: 7.62462
Type of gen. func.: revogf

$$-\frac{-27 - 1520 x + 2880 x^2 + (-(8 x - 27)^2 (24 x - 1)^3)^{1/2}}{4 (5 + 8 x)^4}$$

Sequence: A090381
Score: 15.7510
Type of gen. func.: ogf

$$-\frac{7 x^2 + 4 x + 1}{(x + 1) (x - 1)^3}$$

Sequence: A090381
Score: 8.28285
Type of gen. func.: ogf

$$(724 f(x) - 6771) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x + 7 x^2 - f(x) + 4 x + 1)$$

Sequence: A090386
Score: 12.4448

Type of gen. func.: lgdogf

$$-\frac{26 x^3 - 99 x^2 + 132 x - 64}{(x - 1) (13 x^3 - 46 x^2 + 56 x - 24)}$$

Sequence: A090386
Score: 3.74466
Type of gen. func.: ogf

$$\{(19 n^2 + 173 n + 270) a(n + 1) + (-35 n^2 - 245 n - 306) a(n + 2) + (16 n^2 + 84 n + 104) a(n + 3), a(0) = 0, a(1) = 24, a(2) = 64\}$$

Sequence: A090386
Score: 7.44989
Type of gen. func.: ogf

$$\frac{x (13 x^3 - 46 x^2 + 56 x - 24)}{(x - 1)^5}$$

Sequence: A090390
Score: 13.5087
Type of gen. func.: ogf

$$-\frac{x^2 + 4 x - 1}{(x + 1) (x^2 - 6 x + 1)}$$

Sequence: A090390
Score: 15.9051
Type of gen. func.: lgdogf

$$-\frac{(x^2 + 10 x + 1) (x - 1)^2}{(x + 1) (x^2 - 6 x + 1) (x^2 + 4 x - 1)}$$

Sequence: A090390
Score: 6.98332
Type of gen. func.: ogf

$$-(119 f(x) - 47) (f(x) x^3 - 5 f(x) x^2 - 5 f(x) x + x^2 + f(x) + 4 x - 1)$$

Sequence: A090390
Score: 7.35744
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) + 5 a(n + 1) - a(n), a(0) = 1, a(1) = 1, a(2) = 9\}$$

Sequence: A090391
Score: 5.85740
Type of gen. func.: ogf

$$\frac{x (71 x^4 - 316 x^3 + 534 x^2 - 408 x + 120)}{(x - 1)^6}$$

Sequence: A090391
Score: 8.65162
Type of gen. func.: lgdogf

$$-\frac{2 (71 x^4 - 332 x^3 + 594 x^2 - 486 x + 156)}{(x - 1) (71 x^4 - 316 x^3 + 534 x^2 - 408 x + 120)}$$

Sequence: A090392
Score: 4.99268
Type of gen. func.: ogf

$$\frac{x (461 x^5 - 2482 x^4 + 5376 x^3 - 5864 x^2 + 3228 x - 720)}{(x - 1)^7}$$

Sequence: A090392

Score: 6.54402
Type of gen. func.: lgdogf

$$-\frac{922 x^5 - 5141 x^4 + 11576 x^3 - 13192 x^2 + 7640 x - 1812}{(x - 1) (461 x^5 - 2482 x^4 + 5376 x^3 - 5864 x^2 + 3228 x - 720)}$$

Sequence: A090393
Score: 4.04624
Type of gen. func.: ogf

$$\frac{x (3447 x^6 - 21824 x^5 + 57742 x^4 - 81760 x^3 + 65388 x^2 - 28032 x + 5040)}{(x - 1)^8}$$

Sequence: A090399
Score: 23.3136
Type of gen. func.: ogf

$$\frac{1}{2 x^4 - 2 x + 1}$$

Sequence: A090399
Score: 30.5297
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^3 - 1)}{2 x^4 - 2 x + 1}$$

Sequence: A090399
Score: 9.05115
Type of gen. func.: ogf

$$-(f(x) - 1) (2 f(x) x^4 - 2 f(x) x + f(x) - 1)$$

Sequence: A090400

Score: 20.5991
Type of gen. func.: ogf

$$\frac{1}{3 x^{3} - 3 x + 1}$$

Sequence: A090400
Score: 24.6830
Type of gen. func.: lgdogf

$$- \frac{3 (3 x^{2} - 1)}{3 x^{3} - 3 x + 1}$$

Sequence: A090400
Score: 7.23159
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A090400
Score: 7.99729
Type of gen. func.: ogf

$$-(f(x) - 1) (3 f(x) x^{3} - 3 f(x) x + f(x) - 1)$$

Sequence: A090401
Score: 11.4034
Type of gen. func.: lgdogf

$$a(n + 4) - 3 a(n + 3) + 3 a(n), a(0) = 3, a(1) = 9, a(2) = 27, a(3) = 69$$

Sequence: A090401
Score: 19.0549
Type of gen. func.: ogf

$$\frac{1}{3 x^{4} - 3 x + 1}$$

Sequence: A090401
Score: 7.3978
Type of gen. func.: ogf

$$-(f(x) - 1) (3 f(x) x^4 - 3 f(x) x + f(x) - 1)$$

Sequence: A090407
Score: 11.2726
Type of gen. func.: ogf

$$\frac{6 x - 1}{(1 + 4 x) (16 x - 1)}$$

Sequence: A090407
Score: 11.7836
Type of gen. func.: lgdogf

$$- \frac{2 (24 x + 1) (8 x - 3)}{(6 x - 1) (1 + 4 x) (16 x - 1)}$$

Sequence: A090407
Score: 5.69689
Type of gen. func.: ogf

$$-(50 f(x) - 41) (64 f(x) x^2 + 12 f(x) x - f(x) - 6 x + 1)$$

Sequence: A090407
Score: 6.30726
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) + 64 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A090408
Score: 10.1662
Type of gen. func.: ogf

$$-\frac{24x+1}{(1+4x)(16x-1)}$$

Sequence: A090408
Score: 10.3671
Type of gen. func.: lgdogf

$$-\frac{4(384x^2+32x+9)}{(24x+1)(1+4x)(16x-1)}$$

Sequence: A090408
Score: 10.3671
Type of gen. func.: revogf

$$\frac{-1-12x+(400x^2+120x+1)^{1/2}}{16(8x+3)}$$

Sequence: A090408
Score: 5.74089
Type of gen. func.: ogf

$$\{a(n+2)-12a(n+1)-64a(n),\ a(0)=1,\ a(1)=36\}$$

Sequence: A090408
Score: 7.91727
Type of gen. func.: ogf

$$(35f(x)+46)(64f(x)x^2+12f(x)x-f(x)+24x+1)$$

Sequence: A090409
Score: 13.5806
Type of gen. func.: ogf

$$\frac{x-1}{(x+1)(-1+8x)}$$

Sequence: A090409
Score: 13.9336
Type of gen. func.: revogf

$$\frac{-7 x - 1 + (81 x^2 + 10 x + 1)^{1/2}}{2 (-1 + 8 x)}$$

Sequence: A090409
Score: 16.1931
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^2 - 8 x - 3)}{(x - 1) (-1 + 8 x) (x + 1)}$$

Sequence: A090409
Score: 6.71571
Type of gen. func.: ogf

$$-(29 f(x) - 11) (8 f(x) x^2 + 7 f(x) x - f(x) - x + 1)$$

Sequence: A090409
Score: 7.45279
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) + 8 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A090411
Score: 15.2343
Type of gen. func.: ogf

$$-16 f(x) x + f(x) + x - 1$$

Sequence: A090411
Score: 18.4415
Type of gen. func.: ogf

$$\frac{x - 1}{16 x - 1}$$

Sequence: A090411
Score: 20.2647
Type of gen. func.: revogf

$$1/2 + 8 x - \frac{(256 x^2 + 28 x + 1)^{1/2}}{2}$$

Sequence: A090411
Score: 38.2777
Type of gen. func.: lgdogf

$$\frac{15}{(16 x - 1) (x - 1)}$$

Sequence: A090411
Score: 9.46996
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 15\}$$

Sequence: A090412
Score: 11.5294
Type of gen. func.: lgdogf

$$- \frac{x + 1 + 3 x (4 x^2 + 1)^{1/2} - (4 x^2 + 1)^{1/2}}{(4 x^2 + 1)^{1/2} x (3 x - 2)}$$

Sequence: A090412
Score: 3.82760
Type of gen. func.: ogf

$$\{(12 n + 24) a(n + 1) + (-8 n - 16) a(n + 2) + (3 n + 15) a(n + 3)$$
$$+ (-2 n - 10) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 4\}$$

Sequence: A090412
Score: 34.0870
Type of gen. func.: revogf

$$\frac{x (2 x + 1)}{(x + 1) (1 + 3 x)}$$

Sequence: A090412
Score: 9.99153
Type of gen. func.: ogf

$$-3 f(x)^2 x^2 + 2 f(x)^2 x - 4 f(x) x + f(x) - 1$$

Sequence: A090413
Score: 25.1802
Type of gen. func.: revogf

$$\frac{x (1 + 3 x)}{(2 x + 1) (1 + 4 x)}$$

Sequence: A090413
Score: 8.17540
Type of gen. func.: lgdogf

$$-\frac{2 x + 3 + 16 x (4 x^2 + 1)^{1/2} - 3 (4 x^2 + 1)^{1/2}}{2 (4 x^2 + 1)^{1/2} (8 x - 3) x}$$

Sequence: A090413
Score: 8.3466
Type of gen. func.: ogf

$$8 f(x)^2 x^2 - 3 f(x)^2 x + 6 f(x) x - f(x) + 1$$

Sequence: A090415
Score: 7.78936
Type of gen. func.: ogf

8 7 6 5 4 3 2

$$-\frac{4 x - 5 x - 4 x - 5 x - 4 x - 5 x - 5 x - 4 x - 9}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A090429
Score: 7.82586
Type of gen. func.: ogf

$$-\frac{11 x^7 - x^6 - 9 x^5 - x^4 - x^3 - 9 x^2 - x - 100}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A090442
Score: 12.1265
Type of gen. func.: ogf

$$8 f(x)^2 x^2 + 6 f(x) x - f(x) + 1$$

Sequence: A090442
Score: 14.6518
Type of gen. func.: lgdogf

$$-\frac{(4 x^2 - 12 x + 1)^{1/2} - 1}{x (4 x^2 - 12 x + 1)^{1/2}}$$

Sequence: A090442
Score: 4.67622
Type of gen. func.: ogf

$\{(4 n + 8) a(n + 1) + (-12 n - 42) a(n + 2) + (n + 5) a(n + 3), a(0) = 1,$

$a(1) = 6, a(2) = 44\}$

Sequence: A090442
Score: 41.3697
Type of gen. func.: revogf

$$\frac{x}{\quad}$$

$$(2 x + 1) (1 + 4 x)$$

Sequence: A090443
Score: 6.48910
Type of gen. func.: ogf

$$\{(-n^3 - 9 n^2 - 26 n - 24) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 6\}$$

Sequence: A090448
Score: 13.4648
Type of gen. func.: lgdogf

$$-\frac{4 (x^3 + 22 x^2 + 58 x + 24)}{(x - 1) (x^3 + 17 x^2 + 33 x + 9)}$$

Sequence: A090448
Score: 3.65817
Type of gen. func.: ogf

$$\{(n^2 + 10 n + 25) a(n + 1) + (-7 n^2 - 82 n - 264) a(n + 2)$$

$$+ (6 n^2 + 42 n + 72) a(n + 3), a(0) = 9, a(1) = 96, a(2) = 500\}$$

Sequence: A090448
Score: 6.29069
Type of gen. func.: ogf

$$-\frac{x^3 + 17 x^2 + 33 x + 9}{(x - 1)^7}$$

Sequence: A090449
Score: 4.03111
Type of gen. func.: ogf

$$-\frac{x^6 + 109 x^5 + 1435 x^4 + 4735 x^3 + 4780 x^2 + 1444 x + 96}{}$$

$$(x - 1)^{11}$$

Sequence: A090453
Score: 15.1207
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^3 - 9 x^2 + 3 x + 8)}{(x - 1) (3 x^3 - 9 x^2 + 6 x + 2)}$$

Sequence: A090453
Score: 4.38011
Type of gen. func.: ogf

$$\{(-9 - 3 n) a(n + 1) + (-n^2 - 7 n - 18) a(n + 2) + (n^2 + 6 n + 9) a(n + 3),$$

$$a(0) = 2, a(1) = 16, a(2) = 51\}$$

Sequence: A090453
Score: 8.50849
Type of gen. func.: ogf

$$-\frac{3 x^3 - 9 x^2 + 6 x + 2}{(x - 1)^5}$$

Sequence: A090454
Score: 10.6819
Type of gen. func.: lgdogf

$$-\frac{12 x^4 - 56 x^3 + 66 x^2 + 48 x - 105}{(x - 1) (4 x^4 - 18 x^3 + 24 x^2 - 15)}$$

Sequence: A090454
Score: 6.22541
Type of gen. func.: ogf

$$\frac{4 x^4 - 18 x^3 + 24 x^2 - 15}{(x - 1)^7}$$

Sequence: A090461
Score: 12.5234
Type of gen. func.: ogf

$$-\frac{x^5 + 4 x^4 - 5 x^3 + 14 x - 15}{(x - 1)^2}$$

Sequence: A090461
Score: 13.0183
Type of gen. func.: lgdogf

$$\frac{3 x^5 + 3 x^4 - 21 x^3 + 15 x^2 - 14 x + 16}{(x - 1) (x^5 + 4 x^4 - 5 x^3 + 14 x - 15)}$$

Sequence: A090470
Score: 21.7939
Type of gen. func.: lgdegf]

$$-\frac{-5 + 12 x}{(4 x - 1) (2 x - 1)}$$

Sequence: A090470
Score: 3.95873
Type of gen. func.: ogf

$$\{(8 n^2 + 36 n + 40) a(n + 1) + (-6 n - 17) a(n + 2) + a(n + 3), a(0) = 1,$$
$$a(1) = 5, a(2) = 43\}$$

Sequence: A090470
Score: 6.88066
Type of gen. func.: egf]

$$32 x^{3} f(x)^{2} - 32 f(x)^{2} x^{2} + 10 f(x)^{2} x - f(x)^{2} + 1$$

Sequence: A090491
Score: 6.51797
Type of gen. func.: ogf

$$- \frac{x^{8} - x^{7} + x^{6} + x^{4} + x^{2} - x + 1}{(x^{2} + 1) (x^{2} + x + 1) (x + 1)^{2} (x - 1)^{5}}$$

Sequence: A090492
Score: 16.8666
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{19} + x^{9} + x^{4} + x^{3} + x^{2} + x$$

Sequence: A090492
Score: 6.77179
Type of gen. func.: ogf

$$\frac{x^{8} - x^{6} + x^{4} - x^{2} + 1}{(x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x + 1)^{2} (x - 1)^{4}}$$

Sequence: A090529
Score: 12.9690
Type of gen. func.: lgdogf

$$\frac{24 x^{25} - 25 x^{24} + 6 x^{7} - 7 x^{6} + 2 x^{3} - 2 x^{2} - 2 x - 1}{(x - 1) (x^{25} + x^{7} + x^{3} + x^{2} + 1)}$$

Sequence: A090529
Score: 15.0196
Type of gen. func.: ogf

25   7   3   2

```
                              x   + x  + x  + x  + 1
                            - ----------------------
                                      x - 1
```

Sequence: A090561
Score: 6.25379
Type of gen. func.: ogf

```
                         5           4         3        2
                 831930 x  + 15997 x  - 559 x  + 24 x  - 6 x + 1
               - -----------------------------------------------
                                    10 x - 1
```

Sequence: A090567
Score: 9.43639
Type of gen. func.: ogf

```
                       5           4         3        2
                 5041 x  + 61504 x  + 961 x  + 49 x  + 64 x + 16
               - ------------------------------------------------
                                      2             2
                    (x - 1) (x + 1) (x  + x + 1) (x  - x + 1)
```

Sequence: A090568
Score: 12.9761
Type of gen. func.: lgdogf

```
                         5       4        3       2
                     12 x  - 3 x  - 18 x  + 5 x  - 4 x - 2
                   ------------------------------------------
                               5       4    3       2
                   (x - 1) (3 x  + 4 x  - x  + 2 x  + x + 1)
```

Sequence: A090568
Score: 13.0351
Type of gen. func.: ogf

```
                            5       4    3       2
                         3 x  + 4 x  - x  + 2 x  + x + 1
                       - --------------------------------
                                      x - 1
```

Sequence: A090570
Score: 12.7549
Type of gen. func.: ogf

$$\frac{x (8 x + 1)}{(x + 1) (x - 1)^2}$$

Sequence: A090570
Score: 19.8660
Type of gen. func.: lgdogf

$$-\frac{16 x^2 + 11 x + 9}{(x - 1) (8 x + 1) (x + 1)}$$

Sequence: A090570
Score: 6.37745
Type of gen. func.: ogf

$$(1881 f(x) + 20093) (f(x) x^3 - f(x) x^2 - f(x) x - 8 x^2 + f(x) - x)$$

Sequence: A090570
Score: 6.54980
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 9\}$$

Sequence: A090579
Score: 15.8152
Type of gen. func.: ogf_with_Euler_transform]

$$-3 x^9 - x^8 + 4$$

Sequence: A090580
Score: 25.0539
Type of gen. func.: ogf_with_Euler_transform]

$$-4 x^9 - x^8 + 5$$

Sequence: A090581

Score: 37.1017
Type of gen. func.: ogf_with_Euler_transform]

$$-5 x^{9} - x^{8} + 6$$

Sequence: A090590
Score: 13.8288
Type of gen. func.: ogf

$$-\frac{-1 + 8 x}{8 x^{2} - 2 x + 1}$$

Sequence: A090590
Score: 15.5148
Type of gen. func.: revogf

$$-\frac{-1 - 2 x + (-28 x^{2} - 28 x + 1)^{1/2}}{16 (x + 1)}$$

Sequence: A090590
Score: 15.8932
Type of gen. func.: lgdogf

$$-\frac{2 (32 x^{2} - 8 x - 3)}{(-1 + 8 x) (8 x^{2} - 2 x + 1)}$$

Sequence: A090590
Score: 6.9144
Type of gen. func.: ogf

$$-(7 f(x) + 74) (8 f(x) x^{2} - 2 f(x) x + f(x) + 8 x - 1)$$

Sequence: A090590
Score: 7.58899
Type of gen. func.: ogf

$$\{-a(n+2)+2a(n+1)-8a(n), a(0)=1, a(1)=-6\}$$

Sequence: A090591
Score: 18.9803
Type of gen. func.: ogf

$$\frac{1}{8x^2-2x+1}$$

Sequence: A090591
Score: 23.1759
Type of gen. func.: lgdogf

$$-\frac{2(-1+8x)}{8x^2-2x+1}$$

Sequence: A090591
Score: 6.71254
Type of gen. func.: ogf

$$\{a(n+2)-2a(n+1)+8a(n), a(0)=1, a(1)=2\}$$

Sequence: A090591
Score: 6.7954
Type of gen. func.: ogf

$$(f(x)+2)(8f(x)x^2-2f(x)x+f(x)-1)$$

Sequence: A090592
Score: 8.17772
Type of gen. func.: ogf

$$-(24f(x)-49)(7f(x)x^2-2f(x)x+f(x)+7x-1)$$

Sequence: A090596
Score: 11.6470

Type of gen. func.: ogf

$$-\frac{x^4 + x^3 + 2x^2 - 1}{(2x - 1)(x + 1)(2x^2 - 1)(x^2 + 1)}$$

Sequence: A090596
Score: 9.28927
Type of gen. func.: lgdogf

$$-\frac{8x^9 + 14x^8 + 36x^7 + 11x^6 - 18x^5 - 2x^4 - 2x^3 - 4x^2 + 2x + 1}{(2x - 1)(x + 1)(x^2 + 1)(2x^2 - 1)(x^4 + x^3 + 2x^2 - 1)}$$

Sequence: A090597
Score: 6.03809
Type of gen. func.: ogf

$$-\frac{x(3x^4 + 2x^3 + x^2 - 1)}{(2x - 1)(x + 1)(2x^2 - 1)(x^2 + 1)}$$

Sequence: A090598
Score: 15.4704
Type of gen. func.: lgdegf]

$$-\frac{2(-7 + 60x)}{(10x - 1)(-1 + 8x)}$$

Sequence: A090598
Score: 3.02103
Type of gen. func.: ogf

$$\{(80n^2 + 360n + 400)a(n + 1) + (-18n - 50)a(n + 2) + a(n + 3), a(0) = 1, a(1) = 14, a(2) = 328\}$$

Sequence: A090598

Score: 5.33949
Type of gen. func.: egf]

$$800 x^3 f(x)^2 - 260 f(x)^2 x^2 + 28 f(x)^2 x - f(x)^2 + 1$$

Sequence: A090620
Score: 21.1544
Type of gen. func.: ogf

$$x^{13} / ((x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A090620
Score: 8.45807
Type of gen. func.: lgdogf

$$- \frac{14 x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}{(x - 1) (x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A090631
Score: 24.0536
Type of gen. func.: ogf_with_Euler_transform]

$$x^{17} + x^5 + x + 2$$

Sequence: A090667
Score: 5.10881
Type of gen. func.: ogf

$$\frac{896 x^6 - 1968 x^5 + 1704 x^4 - 757 x^3 + 179 x^2 - 21 x + 1}{(-1 + 8 x) (4 x - 1)^2 (2 x - 1)^3}$$

Sequence: A090671
Score: 13.7655

Type of gen. func.: lgdogf

$$\frac{792 x^{10} - 1683 x^{9} + 891 x^{8} - 10 x + 8}{(x - 1) (99 x^{10} - 99 x^{9} + 10 x - 9)}$$

Sequence: A090671
Score: 13.8169
Type of gen. func.: ogf

$$- \frac{99 x^{10} - 99 x^{9} + 10 x - 9}{(x - 1)^{2}}$$

Sequence: A090672
Score: 13.6716
Type of gen. func.: egf]

$$\frac{2 x}{(x - 1)^{4}}$$

Sequence: A090672
Score: 5.9884
Type of gen. func.: egf]

$$-(7 f(x) + 9) (f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 4 f(x) x + f(x) - 2 x)$$

Sequence: A090672
Score: 6.52789
Type of gen. func.: ogf

$$\{(-n^{2} - 6 n - 8) a(n + 1) + (n + 1) a(n + 2), a(0) = 0, a(1) = 2\}$$

Sequence: A090672
Score: 89.4328
Type of gen. func.: lgdegf]

$$-\frac{4}{x-1}$$

Sequence: A090676
Score: 5.14712
Type of gen. func.: ogf

$$\frac{x^2 (x^{12} + x^{11} + 2 x^9 + x^8 + 2 x^7 - x^6 + x^5 + x^4 + 3 x^3 + 1)}{(x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A090692
Score: 12.6412
Type of gen. func.: ogf

$$\frac{2 (x^2 - 9 x + 15)}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A090692
Score: 13.0511
Type of gen. func.: lgdogf

$$-\frac{x^4 - 18 x^3 + 65 x^2 - 62 x - 21}{(x + 1) (x^2 - 3 x + 1) (x^2 - 9 x + 15)}$$

Sequence: A090692
Score: 6.42256
Type of gen. func.: ogf

$$(2231855 f(x) + 921662)$$

$$(f(x) x^3 - 2 f(x) x^2 - 2 f(x) x - 2 x^2 + f(x) + 18 x - 30)$$

Sequence: A090692
Score: 6.86548
Type of gen. func.: ogf

$\{-a(n+3) + 2\,a(n+2) + 2\,a(n+1) - a(n),\ a(0) = 30,\ a(1) = 42,\ a(2) = 146\}$

Sequence: A090701
Score: 10.1652
Type of gen. func.: ogf

$$\frac{x^{17} - x^{16} - x^{11} + x^{10} - x^{6} + x^{5} + x + 1}{(x+1)\,(x^2+x+1)\,(x^2-x+1)\,(x-1)^2}$$

Sequence: A090727
Score: 13.2834
Type of gen. func.: ogf

$$-\frac{2\,(-1+8\,x)}{x^2 - 16\,x + 1}$$

Sequence: A090727
Score: 17.5074
Type of gen. func.: lgdogf

$$-\frac{2\,(4\,x^2 - x + 4)}{(-1+8\,x)\,(x^2 - 16\,x + 1)}$$

Sequence: A090727
Score: 6.30627
Type of gen. func.: ogf

$$-(16065\,f(x) - 23938)\,(f(x)\,x^2 - 16\,f(x)\,x + f(x) + 16\,x - 2)$$

Sequence: A090727
Score: 7.43238
Type of gen. func.: ogf

$\{a(n+2) - 16\,a(n+1) + a(n),\ a(0) = 2,\ a(1) = 16\}$

Sequence: A090728
Score: 14.0829
Type of gen. func.: ogf

$$-\frac{2 (10 x - 1)}{x^2 - 20 x + 1}$$

Sequence: A090728
Score: 18.0648
Type of gen. func.: lgdogf

$$-\frac{2 (5 x^2 - x + 5)}{(10 x - 1) (x^2 - 20 x + 1)}$$

Sequence: A090728
Score: 7.11715
Type of gen. func.: ogf

$$-(99 f(x) - 98) (f(x) x^2 - 20 f(x) x + f(x) + 20 x - 2)$$

Sequence: A090728
Score: 7.87970
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1) + a(n), a(0) = 2, a(1) = 20\}$$

Sequence: A090729
Score: 10.9134
Type of gen. func.: ogf

$$-\frac{21 x - 2}{x^2 - 21 x + 1}$$

Sequence: A090729
Score: 13.2063

Type of gen. func.: lgdogf

$$-\frac{21 x^2 - 4 x + 21}{(21 x - 2) (x^2 - 21 x + 1)}$$

Sequence: A090729
Score: 5.39925
Type of gen. func.: ogf

$$-(437 f(x) - 433) (f(x) x^2 - 21 f(x) x + f(x) + 21 x - 2)$$

Sequence: A090729
Score: 6.10630
Type of gen. func.: ogf

$$\{a(n + 2) - 21 a(n + 1) + a(n), a(0) = 2, a(1) = 21\}$$

Sequence: A090730
Score: 11.2083
Type of gen. func.: ogf

$$-\frac{2 (11 x - 1)}{x^2 - 22 x + 1}$$

Sequence: A090730
Score: 13.5711
Type of gen. func.: lgdogf

$$-\frac{11 x^2 - 2 x + 11}{(11 x - 1) (x^2 - 22 x + 1)}$$

Sequence: A090730
Score: 5.54518
Type of gen. func.: ogf

2

$$-(120 f(x) - 119) (f(x) x - 22 f(x) x + f(x) + 22 x - 2)$$

Sequence: A090730
Score: 6.27133
Type of gen. func.: ogf

$$\{a(n + 2) - 22 a(n + 1) + a(n), a(0) = 2, a(1) = 22\}$$

Sequence: A090731
Score: 11.2673
Type of gen. func.: ogf

$$-\frac{23 x - 2}{x^2 - 23 x + 1}$$

Sequence: A090731
Score: 13.6441
Type of gen. func.: lgdogf

$$-\frac{23 x^2 - 4 x + 23}{(23 x - 2) (x^2 - 23 x + 1)}$$

Sequence: A090731
Score: 5.57436
Type of gen. func.: ogf

$$-(525 f(x) - 521) (f(x) x^2 - 23 f(x) x + f(x) + 23 x - 2)$$

Sequence: A090731
Score: 6.30435
Type of gen. func.: ogf

$$\{a(n + 2) - 23 a(n + 1) + a(n), a(0) = 2, a(1) = 23\}$$

Sequence: A090732
Score: 11.3853

Type of gen. func.: ogf

$$-\frac{2 (12 x - 1)}{x^2 - 24 x + 1}$$

Sequence: A090732
Score: 14.5561
Type of gen. func.: lgdogf

$$-\frac{2 (6 x^2 - x + 6)}{(12 x - 1) (x^2 - 24 x + 1)}$$

Sequence: A090732
Score: 5.3511
Type of gen. func.: ogf

$$-(82225 f(x) - 122978) (f(x) x^2 - 24 f(x) x + f(x) + 24 x - 2)$$

Sequence: A090732
Score: 6.37036
Type of gen. func.: ogf

$$\{a(n + 2) - 24 a(n + 1) + a(n), a(0) = 2, a(1) = 24\}$$

Sequence: A090733
Score: 11.4443
Type of gen. func.: ogf

$$-\frac{25 x - 2}{x^2 - 25 x + 1}$$

Sequence: A090733
Score: 13.8630
Type of gen. func.: lgdogf

$$25 x^2 - 4 x + 25$$

$$-\frac{}{(25 x - 2) (x^2 - 25 x + 1)}$$

Sequence: A090733
Score: 5.66192
Type of gen. func.: ogf

$$-(621 f(x) - 617) (f(x) x^2 - 25 f(x) x + f(x) + 25 x - 2)$$

Sequence: A090733
Score: 6.40336
Type of gen. func.: ogf

$$\{a(n + 2) - 25 a(n + 1) + a(n), a(0) = 2, a(1) = 25\}$$

Sequence: A090749
Score: 6.46331
Type of gen. func.: ogf

$$\{(-4 n^2 - 58 n - 210) a(n + 1) + (n^2 + 16 n + 28) a(n + 2), a(0) = 1, a(1) = 12\}$$

Sequence: A090757
Score: 4.49139
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (x^2 + 2 x - 1)}$$

Sequence: A090757
Score: 5.09751
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 2 x - 3}{(x - 1) (x^2 + 2 x - 1)}$$

Sequence: A090763
Score: 10.3818
Type of gen. func.: ogf

$$\mathrm{hypergeom}\left([4/3, 5/3], [3/2], \frac{27\, x}{4}\right)$$

Sequence: A090763
Score: 4.70423
Type of gen. func.: ogf

$$\{(27\, n^2 + 135\, n + 168)\, a(n + 1) + (-4\, n^2 - 18\, n - 20)\, a(n + 2),\ a(0) = 1,\ a(1) = 10\}$$

Sequence: A090763
Score: 4.81714
Type of gen. func.: ogf

$$-19683\, f(x)^3\, x^4 + 8748\, f(x)^3\, x^3 - 1296\, f(x)^3\, x^2 + 64\, f(x)^3\, x - 54\, f(x)\, x - f(x) + 1$$

Sequence: A090771
Score: 13.8524
Type of gen. func.: ogf

$$\frac{x^2 + 8\, x + 1}{(x + 1)\, (x - 1)^2}$$

Sequence: A090771
Score: 18.8369
Type of gen. func.: lgdogf

$$-\frac{x^3 + 17\, x^2 + 13\, x + 9}{(x - 1)\, (x + 1)\, (x^2 + 8\, x + 1)}$$

Sequence: A090771
Score: 7.47785
Type of gen. func.: ogf

$$\{a(n+3) - a(n+2) - a(n+1) + a(n), a(0) = 1, a(1) = 9, a(2) = 11\}$$

Sequence: A090771
Score: 7.54462
Type of gen. func.: ogf

$$(7 f(x) + 78) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - 8 x - 1)$$

Sequence: A090772
Score: 13.8524
Type of gen. func.: ogf

$$\frac{2 (x^2 + 3 x + 1)}{(x + 1) (x - 1)^2}$$

Sequence: A090772
Score: 19.7339
Type of gen. func.: lgdogf

$$- \frac{x^3 + 7 x^2 + 8 x + 4}{(x - 1) (x + 1) (x^2 + 3 x + 1)}$$

Sequence: A090772
Score: 7.47785
Type of gen. func.: ogf

$$\{a(n+3) - a(n+2) - a(n+1) + a(n), a(0) = 2, a(1) = 8, a(2) = 12\}$$

Sequence: A090772
Score: 7.61259
Type of gen. func.: ogf

$$(f(x) - 2) (f(x) x^3 - f(x) x^2 - f(x) x - 2 x^2 + f(x) - 6 x - 2)$$

Sequence: A090773
Score: 13.8524
Type of gen. func.: ogf

$$\frac{2 (2 x^2 + x + 2)}{(x + 1) (x - 1)^2}$$

Sequence: A090773
Score: 18.4183
Type of gen. func.: lgdogf

$$- \frac{2 x^3 + 4 x^2 + 11 x + 3}{(x - 1) (x + 1) (2 x^2 + x + 2)}$$

Sequence: A090773
Score: 7.47785
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 4, a(1) = 6, a(2) = 14\}$$

Sequence: A090773
Score: 7.47786
Type of gen. func.: ogf

$$(7 f(x) + 102) (f(x) x^3 - f(x) x^2 - f(x) x - 4 x^2 + f(x) - 2 x - 4)$$

Sequence: A090809
Score: 24.8360
Type of gen. func.: lgdogf

$$- \frac{3 x^2 + 2 x + 10}{(x - 1) (x^2 + 2)}$$

Sequence: A090809
Score: 3.80899
Type of gen. func.: ogf

$$\{(-203 n^2 - 778 n - 744) a(n + 1) + (76 n^2 - 1422 n - 3765) a(n + 2) + (127 n^2 + 880 n + 753) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A090809
Score: 9.20909
Type of gen. func.: ogf

$$- \frac{x^2 (x^2 + 2)}{(x - 1)^5}$$

Sequence: A090816
Score: 10.4851
Type of gen. func.: ogf

$$\mathrm{hypergeom}([2/3, 4/3], [1/2], \frac{27 x}{4})$$

Sequence: A090816
Score: 4.75104
Type of gen. func.: ogf

$$\{(-27 n^2 - 108 n - 105) a(n + 1) + (4 n^2 + 14 n + 12) a(n + 2), a(0) = 1, a(1) = 12\}$$

Sequence: A090816
Score: 5.7987
Type of gen. func.: ogf

$$19683 f(x)^3 x^3 - 8748 f(x)^3 x^2 + 1296 f(x)^3 x - 64 f(x)^3 + 405 f(x) x + 48 f(x) + 27 x + 16$$

Sequence: A090826
Score: 3.31257
Type of gen. func.: ogf

$$\{(4 n + 10) a(n + 1) + (3 n + 6) a(n + 2) + (-5 n - 14) a(n + 3) + (n + 4) a(n + 4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 5\}$$

Sequence: A090826
Score: 4.50052
Type of gen. func.: ogf

$$-f(x)^2 x^4 - 2 x^3 f(x)^2 + f(x)^2 x^2 + 2 f(x)^2 x - f(x) x^2 - f(x)^2 - f(x) x + f(x) - x$$

Sequence: A090843
Score: 11.8075
Type of gen. func.: ogf

$$\frac{x + 1}{(10 x - 1) (x - 1)}$$

Sequence: A090843
Score: 11.8128
Type of gen. func.: revogf

$$- \frac{-11 x - 1 + (81 x^2 + 26 x + 1)^{1/2}}{2 (10 x - 1)}$$

Sequence: A090843
Score: 13.9331
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^2 + 10 x - 6)}{(x - 1) (10 x - 1) (x + 1)}$$

Sequence: A090843
Score: 6.37875
Type of gen. func.: ogf

$$(7 f(x) + 2) (10 f(x) x^2 - 11 f(x) x + f(x) - x - 1)$$

Sequence: A090843
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 12\}$$

Sequence: A090860
Score: 13.4648
Type of gen. func.: revogf

$$\frac{-24 - x + 3^{1/2} ((24 + x) (8 + 3 x))^{1/2}}{4 (24 + x)}$$

Sequence: A090860
Score: 14.3214
Type of gen. func.: ogf

$$- \frac{24 (2 x + 1)}{(2 x - 1) (x + 1)}$$

Sequence: A090860
Score: 18.3271
Type of gen. func.: lgdogf

$$- \frac{4 x^2 + 4 x + 3}{(2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A090860
Score: 7.16069
Type of gen. func.: ogf

$$-(43 f(x) + 912) (2 f(x) x^2 + f(x) x - f(x) + 48 x + 24)$$

Sequence: A090860
Score: 8.01314
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - 2 a(n), a(0) = 24, a(1) = 72\}$$

Sequence: A090872
Score: 2.63396
Type of gen. func.: ogf

$$(f(x) x - f(x) + 2)^2$$

Sequence: A090874
Score: 2.63396
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^2$$

Sequence: A090932
Score: 13.5704
Type of gen. func.: egf]

$$-\frac{2 (x + 1)}{x^2 - 2}$$

Sequence: A090932
Score: 8.83155
Type of gen. func.: egf]

$$-f(x) (f(x) x^2 - 2 f(x) + 2 x + 2)$$

Sequence: A090937
Score: 7.79075
Type of gen. func.: ogf

$$-\frac{(x^2+1)(2x^8-2x^7-2x^6+2x^5-x^4+x^3+1)}{(x+1)(x-1)^3}$$

Sequence: A090948
Score: 6.42521
Type of gen. func.: ogf

$$\frac{x(47x^4-240x^3+475x^2-436x+159)}{(x-1)^6}$$

Sequence: A090948
Score: 9.50333
Type of gen. func.: lgdogf

$$-\frac{2(47x^4-266x^3+590x^2-615x+259)}{(x-1)(47x^4-240x^3+475x^2-436x+159)}$$

Sequence: A090949
Score: 14.2858
Type of gen. func.: lgdogf

$$-\frac{12x^3-66x^2+128x-89}{(x-1)(6x^3-28x^2+46x-27)}$$

Sequence: A090949
Score: 4.00318
Type of gen. func.: ogf

$$\{(-176n^2-2236n-3768)a(n+1)+(337n^2+4333n+9514)a(n+2)$$
$$+(-161n^2-2157n-3670)a(n+3),\ a(0)=0,\ a(1)=27,\ a(2)=89\}$$

Sequence: A090949
Score: 8.47481
Type of gen. func.: ogf

$$\frac{x\,(6\,x^3 - 28\,x^2 + 46\,x - 27)}{(x - 1)^5}$$

Sequence: A090950
Score: 14.7555
Type of gen. func.: lgdogf

$$-\frac{4\,x^3 - 24\,x^2 + 52\,x - 37}{(x - 1)\,(2\,x^3 - 10\,x^2 + 18\,x - 11)}$$

Sequence: A090950
Score: 4.10937
Type of gen. func.: ogf

$$\{(49\,n^2 + 383\,n + 570)\,a(n + 1) + (-122\,n^2 - 1006\,n - 1920)\,a(n + 2)$$

$$+ (73\,n^2 + 527\,n + 762)\,a(n + 3),\ a(0) = 0,\ a(1) = 11,\ a(2) = 37\}$$

Sequence: A090950
Score: 8.43733
Type of gen. func.: ogf

$$\frac{x\,(2\,x^3 - 10\,x^2 + 18\,x - 11)}{(x - 1)^5}$$

Sequence: A090957
Score: 2.89414
Type of gen. func.: ogf

$$\{(-3125\,n^4 - 21875\,n^3 - 56875\,n^2 - 65125\,n - 27720)\,a(n + 1)$$

$$+ (256\,n^4 + 1664\,n^3 + 4016\,n^2 + 4264\,n + 1680)\,a(n + 2),\ a(0) = 1,$$

a(1) = 30}

Sequence: A090964
Score: 10.5659
Type of gen. func.: ogf

$$\frac{2 x^5 - 3 x^4 + 3 x^3 - 2 x^2 + 3 x + 1}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A090964
Score: 9.57602
Type of gen. func.: lgdogf

$$\frac{x^7 - 5 x^6 + 4 x^5 - 20 x^4 + 3 x^3 - 11 x^2 - 4}{(x - 1) (x + 1) (x^2 + 1) (2 x^5 - 3 x^4 + 3 x^3 - 2 x^2 + 3 x + 1)}$$

Sequence: A090965
Score: 12.9149
Type of gen. func.: ogf

$$- \frac{4 x - 1}{4 x^2 - 8 x + 1}$$

Sequence: A090965
Score: 14.5946
Type of gen. func.: lgdogf

$$- \frac{4 (4 x^2 - 2 x + 1)}{(4 x - 1) (4 x^2 - 8 x + 1)}$$

Sequence: A090965
Score: 6.38651
Type of gen. func.: ogf

$$-(45 f(x) - 29) (4 f(x) x^2 - 8 f(x) x + f(x) + 4 x - 1)$$

Sequence: A090965
Score: 7.08746
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A090989
Score: 11.4361
Type of gen. func.: revegf]

$$\frac{(3 + 2 \cdot 2^{1/2}) (-\ln(3 + 2 \cdot 2^{1/2}) + \ln(3 + x + ((x + 4) (x + 2))^{1/2}))}{4 + 3 \cdot 2^{1/2}}$$

Sequence: A090989
Score: 12.8554
Type of gen. func.: ogf

$$(4 f(x) - 7) (2 f(x) x^2 - f(x) + 6 x + 4)$$

Sequence: A090989
Score: 13.4580
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n), a(0) = 4, a(1) = 6\}$$

Sequence: A090989
Score: 21.0077
Type of gen. func.: ogf

$$-\frac{2 (3 x + 2)}{2 x^2 - 1}$$

Sequence: A090989

Score: 26.4459
Type of gen. func.: lgdogf

$$-\frac{6 x^2 + 8 x + 3}{(3 x + 2) (2 x^2 - 1)}$$

Sequence: A090990
Score: 11.3631
Type of gen. func.: ogf

$$-\frac{3 x^2 - 4 x - 5}{x^3 - 2 x^2 - x + 1}$$

Sequence: A090990
Score: 11.9173
Type of gen. func.: lgdogf

$$-\frac{3 x^4 - 8 x^3 - 4 x^2 + 14 x + 9}{(3 x^2 - 4 x - 5) (x^3 - 2 x^2 - x + 1)}$$

Sequence: A090990
Score: 5.92433
Type of gen. func.: ogf

$$-(39 f(x) + 70) (f(x) x^3 - 2 f(x) x^2 - f(x) x + 3 x^2 + f(x) - 4 x - 5)$$

Sequence: A090990
Score: 6.13405
Type of gen. func.: ogf

{-a(n + 3) + a(n + 2) + 2 a(n + 1) - a(n), a(0) = 5, a(1) = 9, a(2) = 16}

Sequence: A090991
Score: 17.3602
Type of gen. func.: ogf

$$-\frac{2 (2 x + 3)}{x^2 + x - 1}$$

Sequence: A090991
Score: 19.6634
Type of gen. func.: revogf

$$\frac{-6 - x + ((5 x + 18) (x + 2))^{1/2}}{2 (x + 4)}$$

Sequence: A090991
Score: 23.9648
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 6 x + 5}{(2 x + 3) (x^2 + x - 1)}$$

Sequence: A090991
Score: 8.97939
Type of gen. func.: ogf

$$(11 f(x) - 16) (f(x) x^2 + f(x) x - f(x) + 4 x + 6)$$

Sequence: A090991
Score: 9.41213
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 6, a(1) = 10\}$$

Sequence: A090992
Score: 5.29762
Type of gen. func.: ogf

$$(83 f(x) - 92)$$

$$(f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 + 4 x^3 - f(x) x + 10 x^2 + f(x) - 6 x - 7)$$

Sequence: A090992
Score: 8.56242
Type of gen. func.: lgdogf

$$-\frac{4 x^6 + 20 x^5 + 14 x^4 - 44 x^3 - 26 x^2 + 22 x + 13}{(x - 1) (x^3 + 3 x^2 - 1) (4 x^3 + 10 x^2 - 6 x - 7)}$$

Sequence: A090992
Score: 9.50856
Type of gen. func.: ogf

$$-\frac{4 x^3 + 10 x^2 - 6 x - 7}{(x - 1) (x^3 + 3 x^2 - 1)}$$

Sequence: A090993
Score: 10.6105
Type of gen. func.: ogf

{a(n + 2) - 3 a(n), a(0) = 8, a(1) = 14}

Sequence: A090993
Score: 16.4210
Type of gen. func.: ogf

$$-\frac{2 (7 x + 4)}{3 x^2 - 1}$$

Sequence: A090993
Score: 19.3091
Type of gen. func.: revogf

$$\frac{-4 + ((8 + 3 x) (x + 2))^{1/2}}{14 + 3 x}$$

Sequence: A090993
Score: 19.8770
Type of gen. func.: lgdogf

$$-\frac{21 x^2 + 24 x + 7}{(7 x + 4) (3 x^2 - 1)}$$

Sequence: A090993
Score: 9.85259
Type of gen. func.: ogf

$$(12 f(x) - 47) (3 f(x) x^2 - f(x) + 14 x + 8)$$

Sequence: A090994
Score: 6.12790
Type of gen. func.: lgdogf

$$-\frac{5 x^8 - 24 x^7 - 12 x^6 + 118 x^5 + 69 x^4 - 112 x^3 - 64 x^2 + 30 x + 17}{(x^5 - 3 x^4 - 3 x^3 + 4 x^2 + x - 1) (5 x^4 - 12 x^3 - 21 x^2 + 8 x + 9)}$$

Sequence: A090994
Score: 7.62707
Type of gen. func.: ogf

$$-\frac{5 x^4 - 12 x^3 - 21 x^2 + 8 x + 9}{x^5 - 3 x^4 - 3 x^3 + 4 x^2 + x - 1}$$

Sequence: A090995
Score: 11.1328
Type of gen. func.: ogf

$$-\frac{2 (3 x^2 - 4 x - 5)}{x^3 - 2 x^2 - x + 1}$$

Sequence: A090995
Score: 11.8684
Type of gen. func.: lgdogf

$$-\frac{3 x^4 - 8 x^3 - 4 x^2 + 14 x + 9}{(3 x^2 - 4 x - 5) (x^3 - 2 x^2 - x + 1)}$$

Sequence: A090995
Score: 5.80026
Type of gen. func.: ogf

$$-(39 f(x) + 140) (f(x) x^3 - 2 f(x) x^2 - f(x) x + 6 x^2 + f(x) - 8 x - 10)$$

Sequence: A090995
Score: 6.00202
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 2 a(n + 1) - a(n), a(0) = 10, a(1) = 18, a(2) = 32\}$$

Sequence: A091000
Score: 10.8706
Type of gen. func.: ogf

$$-\frac{2 x^2 + 2 x - 1}{(x - 1) (3 x - 1) (2 x + 1)}$$

Sequence: A091000
Score: 10.9407
Type of gen. func.: lgdogf

$$-\frac{6 x (2 x^3 + 4 x^2 - 4 x + 1)}{(x - 1) (3 x - 1) (2 x + 1) (2 x^2 + 2 x - 1)}$$

Sequence: A091000
Score: 5.71645
Type of gen. func.: ogf

$$-(13 f(x) - 4) (6 f(x) x^3 - 5 f(x) x^2 - 2 f(x) x + 2 x^2 + f(x) + 2 x - 1)$$

Sequence: A091000
Score: 5.97395
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 5 a(n + 1) + 6 a(n), a(0) = 1, a(1) = 0, a(2) = 3\}$$

Sequence: A091001
Score: 11.5750
Type of gen. func.: ogf

$$- \frac{x (2 x - 1)}{(x - 1) (3 x - 1) (2 x + 1)}$$

Sequence: A091001
Score: 12.8061
Type of gen. func.: lgdogf

$$- \frac{2 x (12 x^2 - 14 x + 5)}{(x - 1) (3 x - 1) (2 x + 1) (2 x - 1)}$$

Sequence: A091001
Score: 5.99796
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 5 a(n + 1) - 6 a(n), a(0) = 0, a(1) = 1, a(2) = 0\}$$

Sequence: A091001
Score: 5.99797
Type of gen. func.: ogf

$$(113 f(x) - 10) (6 f(x) x^3 - 5 f(x) x^2 - 2 f(x) x + 2 x^2 + f(x) - x)$$

Sequence: A091002
Score: 18.7481
Type of gen. func.: ogf

$$\frac{x^2}{(x-1)(3x-1)(2x+1)}$$

Sequence: A091002
Score: 19.0467
Type of gen. func.: lgdogf

$$-\frac{2(9x^2-5x-1)}{(2x+1)(3x-1)(x-1)}$$

Sequence: A091002
Score: 6.98792
Type of gen. func.: ogf

$$\{a(n+3)-2a(n+2)-5a(n+1)+6a(n), a(0)=0, a(1)=0, a(2)=1\}$$

Sequence: A091002
Score: 7.18384
Type of gen. func.: ogf

$$-(5f(x)+1)(6f(x)x^3-5f(x)x^2-2f(x)x-x^2+f(x))$$

Sequence: A091003
Score: 13.5869
Type of gen. func.: ogf

$$\frac{3x^2-1}{(1+3x)(2x-1)}$$

Sequence: A091003
Score: 17.3856
Type of gen. func.: lgdogf

$$-\frac{3x^2 - 6x + 1}{(2x - 1)(1 + 3x)(3x^2 - 1)}$$

Sequence: A091003
Score: 6.52706
Type of gen. func.: ogf

$$\{a(n + 3) + a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = -1, a(2) = 4\}$$

Sequence: A091003
Score: 7.00799
Type of gen. func.: ogf

$$-(11 f(x) - 10) (6 f(x) x^2 - f(x) x - 3 x^2 - f(x) + 1)$$

Sequence: A091004
Score: 14.2809
Type of gen. func.: ogf

$$\frac{x (x - 1)}{(1 + 3x)(2x - 1)}$$

Sequence: A091004
Score: 18.7970
Type of gen. func.: revogf

$$\frac{x - 1 + (25 x^2 - 6 x + 1)^{1/2}}{2 (6 x - 1)}$$

Sequence: A091004
Score: 19.2917
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^2 - 6 x + 1)}{(x - 1)(2x - 1)(1 + 3x)}$$

Sequence: A091004
Score: 6.92834
Type of gen. func.: ogf

$$\{a(n + 3) + a(n + 2) - 6 a(n + 1), a(0) = 0, a(1) = 1, a(2) = -2\}$$

Sequence: A091004
Score: 8.63905
Type of gen. func.: ogf

$$f(x) (6 f(x) x^{2} - f(x) x - x^{2} - f(x) + x)$$

Sequence: A091005
Score: 18.9297
Type of gen. func.: ogf

$$- \frac{x^{2}}{(1 + 3 x) (2 x - 1)}$$

Sequence: A091005
Score: 28.3630
Type of gen. func.: lgdogf

$$- \frac{12 x - 1}{(1 + 3 x) (2 x - 1)}$$

Sequence: A091005
Score: 7.00398
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) + 6 a(n + 1), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A091005
Score: 8.64688
Type of gen. func.: ogf

2 2

$$-f(x) (6 f(x) x - f(x) x + x - f(x))$$

Sequence: A091024
Score: 11.8775
Type of gen. func.: ogf

$$\frac{x}{(x + 1) (x^3 - 3 x + 1)}$$

Sequence: A091024
Score: 15.8876
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 3 x^2 - 6 x - 2}{(x + 1) (x^3 - 3 x + 1)}$$

Sequence: A091024
Score: 5.15988
Type of gen. func.: ogf

$$-(13 f(x) + 4) (f(x) x^4 + f(x) x^3 - 3 f(x) x^2 - 2 f(x) x + f(x) - x)$$

Sequence: A091026
Score: 4.47293
Type of gen. func.: ogf

$$-\frac{5 x^6 - 30 x^5 + 60 x^4 - 20 x^3 - 75 x^2 + 69 x + 5}{(x - 1)^9}$$

Sequence: A091026
Score: 6.96544
Type of gen. func.: lgdogf

```
            6       5       4       3        2
   3 (5 x  - 30 x  + 50 x  + 40 x  - 195 x  + 134 x + 38)
 - ---------------------------------------------------------
                 6       5       4       3       2
```

$$(x - 1) (5 x - 30 x + 60 x - 20 x - 75 x + 69 x + 5)$$

Sequence: A091027
Score: 3.39139
Type of gen. func.: ogf

$$\{(n^3 + 15 n^2 + 74 n + 120) a(n + 1) + (-5 n^3 - 103 n^2 - 694 n - 1536) a(n + 2) + (4 n^3 + 58 n^2 + 250 n + 336) a(n + 3), a(0) = 63, a(1) = 910, a(2) = 6083\}$$

Sequence: A091027
Score: 3.84590
Type of gen. func.: ogf

$$\frac{6 x^7 - 45 x^6 + 120 x^5 - 80 x^4 - 225 x^3 + 462 x^2 - 217 x - 63}{(x - 1)^{11}}$$

Sequence: A091027
Score: 5.95994
Type of gen. func.: lgdogf

$$- \frac{24 x^7 - 183 x^6 + 450 x^5 + 40 x^4 - 2120 x^3 + 3483 x^2 - 1246 x - 910}{(x - 1) (6 x^7 - 45 x^6 + 120 x^5 - 80 x^4 - 225 x^3 + 462 x^2 - 217 x - 63)}$$

Sequence: A091030
Score: 12.5370
Type of gen. func.: revogf

$$- \frac{-1 - 14 x + (144 x^2 + 28 x + 1)^{1/2}}{26 x}$$

Sequence: A091030
Score: 14.6517
Type of gen. func.: ogf

```
                                       1
                               ------------------
                               (13 x - 1) (x - 1)


------------------------------------------------------------------------------

Sequence:  A091030
Score: 18.5733
Type of gen. func.: lgdogf

                                  2 (-7 + 13 x)
                              - ------------------
                                (13 x - 1) (x - 1)


------------------------------------------------------------------------------

Sequence:  A091030
Score: 6.03307
Type of gen. func.: ogf

            {-a(n + 2) + 14 a(n + 1) - 13 a(n), a(0) = 1, a(1) = 14}


------------------------------------------------------------------------------

Sequence:  A091030
Score: 6.03308
Type of gen. func.: ogf

                                        2
               (85 f(x) + 13) (13 f(x) x  - 14 f(x) x + f(x) - 1)


------------------------------------------------------------------------------

Sequence:  A091032
Score: 4.01028
Type of gen. func.: ogf

     3       2
{(4 n  + 42 n  + 146 n + 168) a(n + 1) + (-n - 2) a(n + 2), a(0) = 1, a(1) = 60

    }


------------------------------------------------------------------------------

Sequence:  A091035
Score: 3.39157
Type of gen. func.: ogf

     4        3        2                                  2
{(8 n  + 136 n  + 862 n  + 2414 n + 2520) a(n + 1) + (-2 n  - 7 n - 6) a(n + 2)

    , a(0) = 1, a(1) = 840}
```

Sequence: A091037
Score: 10.3974
Type of gen. func.: ogf

$$\frac{1}{(120 x - 1) (24 x - 1)}$$

Sequence: A091037
Score: 11.6715
Type of gen. func.: lgdogf

$$- \frac{144 (-1 + 40 x)}{(120 x - 1) (24 x - 1)}$$

Sequence: A091037
Score: 4.39
Type of gen. func.: ogf

$$(781 f(x) + 515) (2880 f(x) x^{2} - 144 f(x) x + f(x) - 1)$$

Sequence: A091037
Score: 4.43934
Type of gen. func.: ogf

$$\{-a(n + 2) + 144 a(n + 1) - 2880 a(n), a(0) = 1, a(1) = 144\}$$

Sequence: A091037
Score: 8.55913
Type of gen. func.: revogf

$$- \frac{-1 - 144 x + (9216 x^{2} + 288 x + 1)^{1/2}}{5760 x}$$

Sequence: A091038
Score: 10.8828
Type of gen. func.: ogf

$$1$$

```
 -----------------------
 (720 x - 1) (120 x - 1)
```

Sequence: A091038
Score: 11.5232
Type of gen. func.: lgdogf

$$- \frac{120 (-7 + 1440 x)}{(720 x - 1) (120 x - 1)}$$

Sequence: A091038
Score: 4.61334
Type of gen. func.: ogf

$$(1555 f(x) + 846) (86400 f(x) x^{2} - 840 f(x) x + f(x) - 1)$$

Sequence: A091038
Score: 4.71587
Type of gen. func.: ogf

$$\{-a(n + 2) + 840 a(n + 1) - 86400 a(n), a(0) = 1, a(1) = 840\}$$

Sequence: A091038
Score: 8.29673
Type of gen. func.: revogf

$$- \frac{-1 - 840 x + (360000 x^{2} + 1680 x + 1)^{1/2}}{172800 x}$$

Sequence: A091045
Score: 13.6702
Type of gen. func.: revogf

$$- \frac{-1 - 18 x + (256 x^{2} + 36 x + 1)^{1/2}}{34 x}$$

Sequence: A091045

Score: 15.9469

Type of gen. func.: ogf

$$\frac{1}{(17 x - 1) (x - 1)}$$

Sequence: A091045

Score: 20.2522

Type of gen. func.: lgdogf

$$- \frac{2 (-9 + 17 x)}{(17 x - 1) (x - 1)}$$

Sequence: A091045

Score: 6.49004

Type of gen. func.: ogf

$$(145 f(x) + 17) (17 f(x) x^{2} - 18 f(x) x + f(x) - 1)$$

Sequence: A091045

Score: 6.56638

Type of gen. func.: ogf

$$\{-a(n + 2) + 18 a(n + 1) - 17 a(n), a(0) = 1, a(1) = 18\}$$

Sequence: A091052

Score: 5.80717

Type of gen. func.: ogf

$$-(182 f(x) + 11) (16 f(x) x^{4} - 17 f(x) x^{2} + 8 x^{3} + 4 x^{2} + f(x) - 2 x - 1)$$

Sequence: A091052

Score: 7.54308

Type of gen. func.: lgdogf

$$- \frac{2 (32 x^{5} + 16 x^{4} + 2 x^{3} - 17 x^{2} + 11 x + 1)}{(x - 1) (4 x - 1) (2 x + 1) (2 x - 1) (1 + 4 x) (x + 1)}$$

Sequence: A091052
Score: 9.53415
Type of gen. func.: ogf

$$-\frac{(2x-1)(2x+1)^2}{(x-1)(4x-1)(1+4x)(x+1)}$$

Sequence: A091054
Score: 5.31442
Type of gen. func.: ogf

$$(52 f(x) - 43)(12 f(x) x^3 - 8 f(x) x^2 - 5 f(x) x + 2 x^2 + f(x) + 5 x - 1)$$

Sequence: A091054
Score: 5.40932
Type of gen. func.: ogf

$$\{-a(n+3) + 5 a(n+2) + 8 a(n+1) - 12 a(n), a(0) = 1, a(1) = 0, a(2) = 6\}$$

Sequence: A091054
Score: 9.62211
Type of gen. func.: lgdogf

$$-\frac{6x(4x^3 + 20x^2 - 11x + 2)}{(x-1)(6x-1)(2x+1)(2x^2 + 5x - 1)}$$

Sequence: A091054
Score: 9.77168
Type of gen. func.: ogf

$$-\frac{2x^2 + 5x - 1}{(x-1)(6x-1)(2x+1)}$$

Sequence: A091055

Score: 10.4456
Type of gen. func.: ogf

$$-\frac{x (2 x - 1)}{(x - 1) (6 x - 1) (2 x + 1)}$$

Sequence: A091055
Score: 11.0476
Type of gen. func.: lgdogf

$$-\frac{48 x^3 - 52 x^2 + 16 x + 3}{(x - 1) (6 x - 1) (2 x + 1) (2 x - 1)}$$

Sequence: A091055
Score: 5.40932
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) - 8 a(n + 1) + 12 a(n), a(0) = 0, a(1) = 1, a(2) = 3\}$$

Sequence: A091055
Score: 5.60967
Type of gen. func.: ogf

$$(3 f(x) + 1) (12 f(x) x^3 - 8 f(x) x^2 - 5 f(x) x + 2 x^2 + f(x) - x)$$

Sequence: A091056
Score: 13.3945
Type of gen. func.: ogf

$$\frac{x^2}{(x - 1) (6 x - 1) (2 x + 1)}$$

Sequence: A091056
Score: 14.2663
Type of gen. func.: lgdogf

$$-\frac{36 x^2 - 16 x - 5}{}$$

$$(x - 1) (6 x - 1) (2 x + 1)$$

Sequence: A091056
Score: 5.06819
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) - 8 a(n + 1) + 12 a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A091056
Score: 6.86061
Type of gen. func.: ogf

$$-12 f(x) x^3 + 8 f(x) x^2 + 5 f(x) x + x^2 - f(x)$$

Sequence: A091074
Score: 14.9690
Type of gen. func.: ogf

$$-\frac{55 x + 12}{x^2 + x - 1}$$

Sequence: A091074
Score: 16.4210
Type of gen. func.: revogf

$$\frac{-12 - x + (5 x^2 + 244 x + 144)^{1/2}}{2 (55 + x)}$$

Sequence: A091074
Score: 18.6401
Type of gen. func.: lgdogf

$$-\frac{55 x^2 + 24 x + 67}{(55 x + 12) (x^2 + x - 1)}$$

Sequence: A091074
Score: 7.73126
Type of gen. func.: ogf

$$(91 f(x) + 3397) (f(x) x^2 + f(x) x - f(x) + 55 x + 12)$$

Sequence: A091074
Score: 8.37554
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 12, a(1) = 67\}$$

Sequence: A091084
Score: 10.8422
Type of gen. func.: ogf

$$-(2 f(x) + 1) (f(x) x^4 + 5 x^4 + 3 x^3 + x^2 - f(x) + x)$$

Sequence: A091084
Score: 12.6322
Type of gen. func.: lgdogf

$$- \frac{5 x^6 + 6 x^5 + 3 x^4 + 4 x^3 + 15 x^2 + 6 x + 1}{(x - 1) (x + 1) (x^2 + 1) (5 x^3 + 3 x^2 + x + 1)}$$

Sequence: A091084
Score: 16.1744
Type of gen. func.: ogf

$$- \frac{x (5 x^3 + 3 x^2 + x + 1)}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A091085
Score: 9.56363
Type of gen. func.: ogf

$$-(7 f(x) - 6) (f(x) x^4 + 5 x^4 + 2 x^3 + 2 x^2 - f(x) + 1)$$

Sequence: A091086
Score: 15.6883
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^5 + 3 x^4 + 2 x^3 + 5 x + 1)}{(x - 1) (x + 1) (x^2 + 1) (5 x^2 + 2 x + 1)}$$

Sequence: A091086
Score: 16.3328
Type of gen. func.: ogf

$$- \frac{x (5 x^2 + 2 x + 1)}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A091086
Score: 9.94985
Type of gen. func.: ogf

$$-(150 f(x) + 227) (f(x) x^4 + 5 x^3 + 2 x^2 - f(x) + x)$$

Sequence: A091095
Score: 12.5876
Type of gen. func.: ogf

$$\frac{24 x^2 - 4 x - 1}{(4 x - 1) (1 + 4 x)}$$

Sequence: A091095
Score: 14.1322
Type of gen. func.: lgdogf

$$\frac{4 (16 x^2 - 4 x + 1)}{}$$

$$(1 + 4 x) (4 x - 1) (24 x^2 - 4 x - 1)$$

Sequence: A091095
Score: 7.55254
Type of gen. func.: ogf

$$\{-a(n + 3) + 16 a(n + 1), a(0) = 1, a(1) = 4, a(2) = -8\}$$

Sequence: A091095
Score: 7.73454
Type of gen. func.: ogf

$$-(10 f(x) - 17) (16 f(x) x^2 - 24 x^2 - f(x) + 4 x + 1)$$

Sequence: A091096
Score: 13.0338
Type of gen. func.: ogf

$$\frac{40 x^2 - 5 x - 1}{(5 x - 1) (5 x + 1)}$$

Sequence: A091096
Score: 14.6100
Type of gen. func.: lgdogf

$$\frac{5 (25 x^2 - 6 x + 1)}{(5 x + 1) (5 x - 1) (40 x^2 - 5 x - 1)}$$

Sequence: A091096
Score: 7.72935
Type of gen. func.: ogf

$$\{-a(n + 3) + 25 a(n + 1), a(0) = 1, a(1) = 5, a(2) = -15\}$$

Sequence: A091096

Score: 8.20648
Type of gen. func.: ogf

$$(102 f(x) - 227) (25 f(x) x^{2} - 40 x^{2} - f(x) + 5 x + 1)$$

Sequence: A091097
Score: 11.7602
Type of gen. func.: ogf

$$\frac{60 x^{2} - 6 x - 1}{(6 x - 1) (1 + 6 x)}$$

Sequence: A091097
Score: 13.1497
Type of gen. func.: lgdogf

$$\frac{6 (36 x^{2} - 8 x + 1)}{(6 x - 1) (1 + 6 x) (60 x^{2} - 6 x - 1)}$$

Sequence: A091097
Score: 6.97407
Type of gen. func.: ogf

$$\{-a(n + 3) + 36 a(n + 1), a(0) = 1, a(1) = 6, a(2) = -24\}$$

Sequence: A091097
Score: 7.59204
Type of gen. func.: ogf

$$(26 f(x) - 53) (36 f(x) x^{2} - 60 x^{2} - f(x) + 6 x + 1)$$

Sequence: A091103
Score: 13.3582
Type of gen. func.: ogf

$$- \frac{12 x^{2} - 3 x + 1}{}$$

$$(3 x - 1) (1 + 3 x)$$

Sequence: A091103
Score: 14.8348
Type of gen. func.: lgdogf

$$\frac{3 (9 x^2 - 14 x + 1)}{(3 x - 1) (1 + 3 x) (12 x^2 - 3 x + 1)}$$

Sequence: A091103
Score: 7.85776
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 1), a(0) = 1, a(1) = -3, a(2) = 21\}$$

Sequence: A091103
Score: 7.95131
Type of gen. func.: ogf

$$-(406 f(x) - 379) (9 f(x) x^2 + 12 x^2 - f(x) - 3 x + 1)$$

Sequence: A091104
Score: 13.1484
Type of gen. func.: ogf

$$- \frac{24 x^2 - 4 x + 1}{(4 x - 1) (1 + 4 x)}$$

Sequence: A091104
Score: 14.2039
Type of gen. func.: lgdogf

$$\frac{4 (16 x^2 - 20 x + 1)}{(4 x - 1) (1 + 4 x) (24 x^2 - 4 x + 1)}$$

Sequence: A091104
Score: 7.79731
Type of gen. func.: ogf

$$\{a(n + 3) - 16 a(n + 1), a(0) = 1, a(1) = -4, a(2) = 40\}$$

Sequence: A091104
Score: 7.88905
Type of gen. func.: ogf

$$-(145 f(x) - 137) (16 f(x) x^2 + 24 x^2 - f(x) - 4 x + 1)$$

Sequence: A091105
Score: 13.4642
Type of gen. func.: ogf

$$- \frac{40 x^2 - 5 x + 1}{(5 x - 1) (5 x + 1)}$$

Sequence: A091105
Score: 15.0770
Type of gen. func.: lgdogf

$$\frac{5 (25 x - 1) (x - 1)}{(5 x + 1) (5 x - 1) (40 x^2 - 5 x + 1)}$$

Sequence: A091105
Score: 7.8928
Type of gen. func.: ogf

$$-(2522 f(x) - 2397) (25 f(x) x^2 + 40 x^2 - f(x) - 5 x + 1)$$

Sequence: A091105
Score: 7.98456
Type of gen. func.: ogf

$$\{a(n + 3) - 25 a(n + 1), a(0) = 1, a(1) = -5, a(2) = 65\}$$

Sequence: A091135
Score: 15.9647
Type of gen. func.: lgdogf

$$-\frac{3\,(10\,x^2-14\,x+5)}{(x-1)\,(2\,x-1)\,(3\,x-2)}$$

Sequence: A091135
Score: 8.04469
Type of gen. func.: ogf

$$-\frac{3\,x-2}{(2\,x-1)^3\,(x-1)^3}$$

Sequence: A091140
Score: 12.4548
Type of gen. func.: ogf

$$-\frac{x^2-x-1}{2\,x^3-4\,x^2-2\,x+1}$$

Sequence: A091140
Score: 12.7066
Type of gen. func.: lgdogf

$$-\frac{2\,x^4-4\,x^3+6\,x+3}{(x^2-x-1)\,(2\,x^3-4\,x^2-2\,x+1)}$$

Sequence: A091140
Score: 6.78341
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) - 4 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 3, a(2) = 9}

Sequence: A091140
Score: 6.84453
Type of gen. func.: ogf

$$(8 f(x) + 1) (2 f(x) x^3 - 4 f(x) x^2 - 2 f(x) x + x^2 + f(x) - x - 1)$$

Sequence: A091141
Score: 12.7825
Type of gen. func.: ogf

$$\frac{(x + 1)^2}{2 x^3 - 4 x^2 - 2 x + 1}$$

Sequence: A091141
Score: 13.9336
Type of gen. func.: lgdogf

$$- \frac{2 (x^3 + 3 x^2 - 3 x - 2)}{(x + 1) (2 x^3 - 4 x^2 - 2 x + 1)}$$

Sequence: A091141
Score: 6.90031
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 4 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 4, a(2) = 13\}$$

Sequence: A091141
Score: 6.90032
Type of gen. func.: ogf

$$(16 f(x) - 13) (2 f(x) x^3 - 4 f(x) x^2 - 2 f(x) x - x^2 + f(x) - 2 x - 1)$$

Sequence: A091142
Score: 11.3452
Type of gen. func.: lgdogf

$$-\frac{2\,(x + 1)\,(2\,x^3 - 2\,x^2 + x + 1)}{(2\,x^2 - 1)\,(2\,x^3 - 4\,x^2 - 2\,x + 1)}$$

Sequence: A091142
Score: 13.3288
Type of gen. func.: ogf

$$-\frac{2\,x^2 - 1}{2\,x^3 - 4\,x^2 - 2\,x + 1}$$

Sequence: A091142
Score: 6.78341
Type of gen. func.: ogf

$\{a(n + 3) - 2\,a(n + 2) - 4\,a(n + 1) + 2\,a(n),\ a(0) = 1,\ a(1) = 2,\ a(2) = 6\}$

Sequence: A091142
Score: 6.84453
Type of gen. func.: ogf

$$-(f(x) - 1)\,(2\,f(x)\,x^3 - 4\,f(x)\,x^2 - 2\,f(x)\,x + 2\,x^2 + f(x) - 1)$$

Sequence: A091143
Score: 19.2286
Type of gen. func.: ogf

$$\frac{1}{(4\,x - 1)\,(8\,x^2 - 1)}$$

Sequence: A091143
Score: 6.40953
Type of gen. func.: ogf

$\{a(n + 3) - 4\,a(n + 2) - 8\,a(n + 1) + 32\,a(n),\ a(0) = 1,\ a(1) = 4,\ a(2) = 24\}$

Sequence: A091143
Score: 7.30685
Type of gen. func.: ogf

$$(f(x) + 2) (32 f(x) x^3 - 8 f(x) x^2 - 4 f(x) x + f(x) - 1)$$

Sequence: A091147
Score: 12.8115
Type of gen. func.: ogf

$$4 f(x)^2 x^2 + f(x) x - f(x) + 1$$

Sequence: A091147
Score: 4.97289
Type of gen. func.: ogf

{(15 n + 30) a(n + 1) + (2 n + 7) a(n + 2) + (-n - 5) a(n + 3), a(0) = 1,

a(1) = 1, a(2) = 5}

Sequence: A091147
Score: 57.1421
Type of gen. func.: revogf

$$\frac{x}{4 x^2 + x + 1}$$

Sequence: A091148
Score: 10.1505
Type of gen. func.: ogf

$$5 f(x)^2 x^2 + f(x) x - f(x) + 1$$

Sequence: A091148
Score: 3.93999
Type of gen. func.: ogf

$\{(19 n + 38) a(n + 1) + (2 n + 7) a(n + 2) + (-n - 5) a(n + 3), a(0) = 1,$

$a(1) = 1, a(2) = 6\}$

Sequence: A091148
Score: 45.1028
Type of gen. func.: revogf

$$\frac{x}{5 x^2 + x + 1}$$

Sequence: A091149
Score: 10.6288
Type of gen. func.: ogf

$$6 f(x)^2 x^2 + f(x) x - f(x) + 1$$

Sequence: A091149
Score: 4.12564
Type of gen. func.: ogf

$\{(23 n + 46) a(n + 1) + (2 n + 7) a(n + 2) + (-n - 5) a(n + 3), a(0) = 1,$

$a(1) = 1, a(2) = 7\}$

Sequence: A091149
Score: 47.2735
Type of gen. func.: revogf

$$\frac{x}{6 x^2 + x + 1}$$

Sequence: A091270
Score: 11.2180
Type of gen. func.: ogf

$$\frac{x (2 x^2 - x + 2)}{(2 x - 1) (x - 1)}$$

Sequence: A091270
Score: 15.3469
Type of gen. func.: lgdogf

$$-\frac{4x^2+4x-5}{(x-1)(2x-1)(2x^2-x+2)}$$

Sequence: A091270
Score: 5.60900
Type of gen. func.: ogf

$\{-a(n+4)+3a(n+3)-2a(n+2), a(0)=0, a(1)=2, a(2)=5, a(3)=13\}$

Sequence: A091270
Score: 6.08976
Type of gen. func.: ogf

$$-(946 f(x)+357)(2 f(x) x^2-2x^3-3 f(x) x+x^2+f(x)-2x)$$

Sequence: A091281
Score: 11.2113
Type of gen. func.: ogf

$$-\frac{8x^2+10x-1}{(15x-1)(24x^2-1)}$$

Sequence: A091281
Score: 5.82635
Type of gen. func.: ogf

$$(3461019 f(x)-555023)$$

$$(360 f(x) x^3-24 f(x) x^2-15 f(x) x+8x^2+f(x)+10x-1)$$

Sequence: A091281
Score: 6.32432
Type of gen. func.: ogf

$$\{a(n + 3) - 15 a(n + 2) - 24 a(n + 1) + 360 a(n), a(0) = 1, a(1) = 5, a(2) = 91\}$$

Sequence: A091307
Score: 12.2447
Type of gen. func.: ogf

$$-\frac{2 (10 x^2 - 5 x - 3)}{(2 x - 1) (x - 1)}$$

Sequence: A091307
Score: 14.0424
Type of gen. func.: lgdogf

$$-\frac{2 (10 x^2 - 16 x + 7)}{(x - 1) (2 x - 1) (10 x^2 - 5 x - 3)}$$

Sequence: A091307
Score: 6.47558
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 2 a(n + 1), a(0) = 6, a(1) = 28, a(2) = 52\}$$

Sequence: A091307
Score: 6.66791
Type of gen. func.: ogf

$$-(5 f(x) + 166) (2 f(x) x^2 - 3 f(x) x + 20 x^2 + f(x) - 10 x - 6)$$

Sequence: A091332
Score: 6.42035
Type of gen. func.: ogf

$$-\frac{1402 x^7 + 2424 x^6 - 786 x^5 - 2020 x^4 + 7980 x^3 - 3423 x^2 - 4444 x - 1234}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A091337
Score: 15.2916
Type of gen. func.: ogf

$$f(x) x^4 + x^2 + f(x) - 1$$

Sequence: A091337
Score: 16.6508
Type of gen. func.: ogf

$$-\frac{(x - 1) (x + 1)}{x^4 + 1}$$

Sequence: A091337
Score: 20.2094
Type of gen. func.: ogf_with_Euler_transform]

$$x (x^6 - x^2 - 1)$$

Sequence: A091337
Score: 28.0431
Type of gen. func.: lgdogf

$$-\frac{2 x (x^4 - 2 x^2 - 1)}{(x - 1) (x + 1) (x^4 + 1)}$$

Sequence: A091341
Score: 5.49299
Type of gen. func.: ogf

$$(59800 x^7 - 38262 x^6 - 62840 x^5 + 38160 x^4 - 54750 x^3 - 11233 x^2 + 67891 x$$

$$+ 12345) \Big/ \left((x^2 + 1) (x - 1)^2 (x + 1)^2\right)$$

Sequence: A091344
Score: 11.4033
Type of gen. func.: ogf

$$- \frac{x (x + 1)}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A091344
Score: 13.0324
Type of gen. func.: lgdogf

$$- \frac{12 x^3 + 7 x^2 - 22 x + 7}{(x - 1) (3 x - 1) (2 x - 1) (x + 1)}$$

Sequence: A091344
Score: 5.90530
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 11 a(n + 1) - 6 a(n), a(0) = 0, a(1) = 1, a(2) = 7\}$$

Sequence: A091344
Score: 6.12401
Type of gen. func.: ogf

$$(7 f(x) + 1) (6 f(x) x^3 - 11 f(x) x^2 + 6 f(x) x + x^2 - f(x) + x)$$

Sequence: A091347
Score: 5.91112
Type of gen. func.: ogf

$$-(14925 f(x) + 5038)$$

$$(24 f(x) x^4 - 50 f(x) x^3 + 35 f(x) x^2 - 10 f(x) x - 5 x^2 + f(x) - x)$$

Sequence: A091347
Score: 7.83346
Type of gen. func.: lgdogf

$$-\frac{360 x^4 - 404 x^3 + 25 x^2 + 70 x - 15}{(x - 1) (5 x + 1) (4 x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A091347
Score: 8.42197
Type of gen. func.: ogf

$$\frac{x (5 x + 1)}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A091348
Score: 5.56782
Type of gen. func.: ogf

$$\frac{x (x + 1) (4 x^2 - 15 x - 1)}{(x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A091360
Score: 19.8291
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^2 - 2 x + 2}{-x^2 + 2 x - 1}$$

Sequence: A091361
Score: 17.1623
Type of gen. func.: ogf

$$\frac{5 x^3 + 1}{(x - 1)^2}$$

Sequence: A091361
Score: 24.2583
Type of gen. func.: lgdogf

$$\frac{5 x^{3} - 15 x^{2} - 2}{(x - 1) (5 x^{3} + 1)}$$

Sequence: A091361
Score: 7.37679
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) + a(n + 2), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 9\}$$

Sequence: A091361
Score: 9.34394
Type of gen. func.: ogf

$$(56 f(x) - 5) (f(x) x^{2} - 5 x^{3} - 2 f(x) x + f(x) - 1)$$

Sequence: A091363
Score: 15.9874
Type of gen. func.: lgdegf]

$$- \frac{2 (x^{2} + 7 x + 4)}{(x - 1) (x^{2} + 4 x + 1)}$$

Sequence: A091363
Score: 4.70457
Type of gen. func.: egf]

$$-(660 f(x) + 1087)$$

$$(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - x^{3} - 4 f(x) x - 4 x^{2} + f(x) - x)$$

Sequence: A091363
Score: 9.15134
Type of gen. func.: egf]

$$\frac{x (x^2 + 4 x + 1)}{(x - 1)^4}$$

Sequence: A091364
Score: 11.3808
Type of gen. func.: lgdegf]

$$-\frac{2 (x^3 + 18 x^2 + 33 x + 8)}{(x - 1) (x + 1) (x^2 + 10 x + 1)}$$

Sequence: A091364
Score: 5.96722
Type of gen. func.: egf]

$$-\frac{x (x + 1) (x^2 + 10 x + 1)}{(x - 1)^5}$$

Sequence: A091374
Score: 6.37979
Type of gen. func.: ogf

$$-\frac{x^{26} + x^{19} - x^{16} - x^{14} - x^{12} - x^{10} - x^8 - x^6 - x^4 - x^2 - x - 1}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^6 + x^3 + 1) (x^6 - x^3 + 1) (x - 1)^2}$$

Sequence: A091429
Score: 13.2255
Type of gen. func.: lgdegf]

$$-\frac{2 (-13 + 216 x)}{(18 x - 1) (16 x - 1)}$$

Sequence: A091429

Score: 2.77870
Type of gen. func.: ogf

$$\{(288 n^2 + 1296 n + 1440) a(n + 1) + (-34 n - 94) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 26, a(2) = 1128\}$$

Sequence: A091429
Score: 4.98249
Type of gen. func.: egf]

$$5184 x^3 f(x)^2 - 900 f(x)^2 x^2 + 52 f(x)^2 x - f(x)^2 + 1$$

Sequence: A091433
Score: 4.7288
Type of gen. func.: ogf

$$(3409 f(x) - 311) (60 f(x) x^3 - 47 f(x) x^2 + 12 f(x) x + 58 x^2 - f(x) - 42 x + 8)$$

Sequence: A091433
Score: 4.84902
Type of gen. func.: ogf

$$\{a(n + 3) - 12 a(n + 2) + 47 a(n + 1) - 60 a(n), a(0) = 8, a(1) = 54, a(2) = 330\}$$

Sequence: A091433
Score: 7.27534
Type of gen. func.: lgdogf

$$- \frac{3 (580 x^4 - 840 x^3 + 453 x^2 - 106 x + 9)}{(4 x - 1) (3 x - 1) (5 x - 1) (29 x^2 - 21 x + 4)}$$

Sequence: A091433
Score: 8.66945
Type of gen. func.: ogf

$$-\frac{2\,(29\,x^{2} - 21\,x + 4)}{(4\,x - 1)\,(3\,x - 1)\,(5\,x - 1)}$$

Sequence: A091484
Score: 6.19528
Type of gen. func.: ogf

$$\frac{6\,x^{7} - 4\,x^{6} + 17\,x^{5} - 12\,x^{4} + 3\,x^{3} - 5\,x^{2} - 1}{(x^{2} + x - 1)\,(x^{4} + 3\,x^{2} + 1)}$$

Sequence: A091498
Score: 5.48733
Type of gen. func.: ogf

$$- (x^{5} - x - 1) \Big/ ((x^{2} - x + 1)\,(x^{4} + x^{3} + x^{2} + x + 1)\,(x^{2} + 1)\,(x^{2} + x + 1)^{2}\,(x + 1)^{3}\,(x - 1)^{6})$$

Sequence: A091520
Score: 23.3057
Type of gen. func.: lgdogf

$$-\frac{2\,(1 + 12\,x)}{(4\,x - 1)\,(1 + 4\,x)}$$

Sequence: A091520
Score: 4.68588
Type of gen. func.: ogf

$\{(n + 3)\,a(n + 3) - 2\,a(n + 2) + (-40 - 16\,n)\,a(n + 1),\ a(0) = 1,\ a(1) = 2,$

$a(2) = 14\}$

Sequence: A091520
Score: 7.73454
Type of gen. func.: ogf

$$64 x^3 f(x)^2 - 16 f(x)^2 x^2 - 4 f(x)^2 x + f(x)^2 - 1$$

Sequence: A091526
Score: 5.76654
Type of gen. func.: ogf

$$-4 f(x)^2 x^2 - 7 f(x)^2 x - 4 f(x) x^2 + 2 f(x)^2 + 9 f(x) x - x^2 - 2 f(x)$$

Sequence: A091527
Score: 12.552
Type of gen. func.: ogf

$$108 f(x)^3 x^2 - f(x)^3 + f(x) + 8 x$$

Sequence: A091527
Score: 4.10950
Type of gen. func.: ogf

$$\{(108 n^2 + 432 n + 384) a(n + 1) + (-n^2 - 5 n - 6) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 30\}$$

Sequence: A091535
Score: 6.18446
Type of gen. func.: ogf

$$\{(9 n^2 + 45 n + 56) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 20\}$$

Sequence: A091536
Score: 21.0511
Type of gen. func.: ogf

$$(f(x) - 1)^2$$

Sequence: A091540

Score: 3.53552
Type of gen. func.: ogf

$\{(-9 n^2 - 66 n - 120) a(n + 1) + (6 n + 25) a(n + 2) - a(n + 3), a(0) = 1,$

$a(1) = 13, a(2) = 184\}$

Sequence: A091541
Score: 4.19174
Type of gen. func.: ogf

$\{(18 n^2 - 12 n) a(n) + (3 n^2 + n + 2) a(n + 1) + (-n - 2) a(n + 2), a(0) = 1,$

$a(1) = 4\}$

Sequence: A091541
Score: 9.0091
Type of gen. func.: egf]

$$-72 x^2 + 48 x + 19 - 27 f(x) + 9 f(x)^2 - f(x)^3$$

Sequence: A091544
Score: 4.44799
Type of gen. func.: ogf

$$\{(16 n^2 + 76 n + 90) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 30\}$$

Sequence: A091545
Score: 4.62875
Type of gen. func.: ogf

$$\{(25 n^2 + 115 n + 132) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 42\}$$

Sequence: A091546
Score: 4.87237
Type of gen. func.: ogf

$$\{(36 n^2 + 162 n + 182) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 56\}$$

Sequence: A091553
Score: 3.59755
Type of gen. func.: ogf

$$(1415945944 f(x) - 356020565)$$

$$(1036800 f(x) x^3 - 54720 f(x) x^2 + 504 f(x) x - f(x) + 200 x + 1)$$

Sequence: A091553
Score: 3.67995
Type of gen. func.: ogf

$$\{a(n + 3) - 504 a(n + 2) + 54720 a(n + 1) - 1036800 a(n), a(0) = 1, a(1) = 704, a(2) = 300096\}$$

Sequence: A091553
Score: 6.13160
Type of gen. func.: lgdogf

$$- \frac{64 (6480000 x^3 - 122400 x^2 - 1710 x + 11)}{(200 x + 1) (24 x - 1) (360 x - 1) (120 x - 1)}$$

Sequence: A091553
Score: 7.19512
Type of gen. func.: ogf

$$- \frac{200 x + 1}{(24 x - 1) (360 x - 1) (120 x - 1)}$$

Sequence: A091561
Score: 11.4086
Type of gen. func.: ogf

$$x^3 f(x)^2 + 2 f(x) x - f(x) + 1$$

Sequence: A091561

Score: 15.7089
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (4 x^3 + 4 x^2 + 4 x + 1)^{1/2}}{2 x^2}$$

Sequence: A091561
Score: 3.38243
Type of gen. func.: ogf

$$\{(4 n + 10) a(n + 1) + (-4 n - 16) a(n + 2) + (4 n + 22) a(n + 3)$$
$$+ (-n - 7) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 9\}$$

Sequence: A091565
Score: 12.2182
Type of gen. func.: ogf

$$-2 f(x)^2 x^2 - f(x) x + f(x) - x$$

Sequence: A091565
Score: 18.6968
Type of gen. func.: revogf

$$\frac{-1 - x + (8 x^3 + x^2 + 2 x + 1)^{1/2}}{4 x^2}$$

Sequence: A091565
Score: 3.67793
Type of gen. func.: ogf

$$\{(-8 n - 12) a(n + 1) + (n + 3) a(n + 2) + (-2 n - 9) a(n + 3)$$
$$+ (n + 6) a(n + 4), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 1\}$$

Sequence: A091571
Score: 5.58355
Type of gen. func.: ogf

$$\frac{9 x^{8} - 2 x^{7} + 9 x^{5} - 2 x^{4} + 9 x^{3} - 2 x + 9}{(x^{2} - x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2} (x + 1)^{2}}$$

Sequence: A091572
Score: 7.06377
Type of gen. func.: ogf

$$\frac{2 (4 x^{6} + 3 x^{5} + 3 x^{4} + 7 x^{3} + 3 x^{2} + 3 x + 4)}{(x^{2} + 1) (x^{2} - x + 1) (x - 1)^{2} (x + 1)^{2}}$$

Sequence: A091573
Score: 11.9639
Type of gen. func.: ogf

$$\frac{7 x^{2} - 2 x + 7}{(x - 1)^{2} (x^{2} + 1)}$$

Sequence: A091573
Score: 12.9452
Type of gen. func.: lgdogf

$$- \frac{2 (7 x^{4} - 3 x^{3} + 15 x^{2} - x + 6)}{(x - 1) (x^{2} + 1) (7 x^{2} - 2 x + 7)}$$

Sequence: A091573
Score: 4.14829
Type of gen. func.: ogf

{(-n - 4) a(n + 1) + (n + 3) a(n + 2) + (-n - 4) a(n + 3) + (n + 3) a(n + 4),

a(0) = 7, a(1) = 12, a(2) = 17, a(3) = 24}

Sequence: A091573
Score: 6.11489

Type of gen. func.: ogf

$$-(43 f(x) + 45) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - 2 f(x) x - 7 x^2 + f(x) + 2 x - 7)$$

Sequence: A091574
Score: 12.9628
Type of gen. func.: ogf

$$\frac{5 x^2 + 8 x + 5}{(x - 1)^2 (x + 1)^2}$$

Sequence: A091574
Score: 14.4615
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^3 + 12 x^2 + 15 x + 4)}{(x - 1) (x + 1) (5 x^2 + 8 x + 5)}$$

Sequence: A091574
Score: 6.31523
Type of gen. func.: ogf

$$\{(n + 4) a(n + 1) + (-n - 2) a(n + 3), a(0) = 5, a(1) = 8, a(2) = 15\}$$

Sequence: A091574
Score: 7.77771
Type of gen. func.: ogf

$$(70 f(x) + 69) (f(x) x^4 - 2 f(x) x^2 - 5 x^2 + f(x) - 8 x - 5)$$

Sequence: A091577
Score: 4.82884
Type of gen. func.: ogf

6 5 4 3 2 4

$$2 (3 x + 5 x + 7 x + 9 x + 7 x + 5 x + 3) (x + 1)$$

Sequence: A091577
Score: 6.98980
Type of gen. func.: lgdogf

$$\frac{30 x^9 + 45 x^8 + 56 x^7 + 63 x^6 + 60 x^5 + 50 x^4 + 40 x^3 + 27 x^2 + 14 x + 5}{(3 x^6 + 5 x^5 + 7 x^4 + 9 x^3 + 7 x^2 + 5 x + 3) (x^4 + 1)}$$

Sequence: A091593
Score: 12.6301
Type of gen. func.: ogf

$$-2 f(x)^2 x^2 - f(x) x - f(x) + 1$$

Sequence: A091593
Score: 17.0206
Type of gen. func.: lgdogf

$$-\frac{(9 x^2 + 2 x + 1)^{1/2} - 1}{(9 x^2 + 2 x + 1)^{1/2} x}$$

Sequence: A091593
Score: 4.93494
Type of gen. func.: ogf

$$\{(9 n + 18) a(n + 1) + (2 n + 7) a(n + 2) + (n + 5) a(n + 3), a(0) = 1,$$

$$a(1) = -1, a(2) = -1\}$$

Sequence: A091593
Score: 46.0559
Type of gen. func.: revogf

$$-\frac{x}{(x + 1) (2 x - 1)}$$

Sequence: A091596
Score: 10.4605
Type of gen. func.: ogf

$$-\frac{x\,(2\,x^2-1)}{(2\,x-1)^2\,(x+1)^2}$$

Sequence: A091596
Score: 16.3324
Type of gen. func.: lgdogf

$$-\frac{2\,(4\,x^3-2\,x-1)}{(2\,x-1)\,(x+1)\,(2\,x^2-1)}$$

Sequence: A091596
Score: 3.79849
Type of gen. func.: ogf

{(-2 n - 4) a(n + 1) + (-n - 5) a(n + 2) + (n - 2) a(n + 3) + 2 a(n + 4),

a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 5}

Sequence: A091596
Score: 6.60126
Type of gen. func.: ogf

$$4\,f(x)\,x^4+4\,f(x)\,x^3-3\,f(x)\,x^2+2\,x^3-2\,f(x)\,x+f(x)-x$$

Sequence: A091628
Score: 10.9859
Type of gen. func.: ogf

$$-\frac{30\,x-23}{(10\,x-1)\,(x-1)}$$

Sequence: A091628
Score: 11.2123
Type of gen. func.: revogf

$$-\frac{-23 - 11 x + (81 x^2 + 386 x + 529)^{1/2}}{20 (x + 3)}$$

Sequence: A091628
Score: 11.7106
Type of gen. func.: lgdogf

$$-\frac{300 x^2 - 460 x + 223}{(x - 1) (30 x - 23) (10 x - 1)}$$

Sequence: A091628
Score: 5.43748
Type of gen. func.: ogf

$$-(1993 f(x) + 3890) (10 f(x) x^2 - 11 f(x) x + f(x) + 30 x - 23)$$

Sequence: A091628
Score: 6.18747
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 23, a(1) = 223\}$$

Sequence: A091629
Score: 13.2123
Type of gen. func.: ogf

$$\{a(n + 1) - 2 a(n), a(0) = 6\}$$

Sequence: A091629
Score: 16.7571
Type of gen. func.: ogf

$$-2 f(x) x + f(x) - 6$$

Sequence: A091629
Score: 27.4817
Type of gen. func.: ogf

$$-\frac{6}{2 x - 1}$$

Sequence: A091629
Score: 30.6108
Type of gen. func.: revegf]

$$-1/2 \ln(3) + 1/2 \ln(x + 3)$$

Sequence: A091629
Score: 61.2216
Type of gen. func.: lgdogf

$$-\frac{2}{2 x - 1}$$

Sequence: A091630
Score: 3.9008
Type of gen. func.: ogf

$$(4071500098 f(x) + 42943793305)$$

$$(20 f(x) x^3 - 32 f(x) x^2 + 13 f(x) x + 120 x^2 - f(x) - 142 x + 29)$$

Sequence: A091630
Score: 4.44884
Type of gen. func.: ogf

$$\{-a(n + 3) + 13 a(n + 2) - 32 a(n + 1) + 20 a(n), a(0) = 29, a(1) = 235,$$

$$a(2) = 2247\}$$

Sequence: A091630
Score: 6.34912
Type of gen. func.: lgdogf

$$-\frac{2400 x^4 - 5680 x^3 + 4724 x^2 - 1616 x + 235}{(x - 1) (2 x - 1) (10 x - 1) (120 x^2 - 142 x + 29)}$$

Sequence: A091630
Score: 7.80159
Type of gen. func.: ogf

$$-\frac{120 x^2 - 142 x + 29}{(x - 1) (2 x - 1) (10 x - 1)}$$

Sequence: A091650
Score: 10.1019
Type of gen. func.: ogf

$$-\frac{x^3 + 2 x^2 - x - 1}{(x + 1) (x^3 - 3 x + 1)}$$

Sequence: A091650
Score: 11.2408
Type of gen. func.: lgdogf

$$-\frac{x^6 + 4 x^5 + 2 x^4 - 2 x^3 + x^2 + 2 x + 3}{(x + 1) (x^3 - 3 x + 1) (x^3 + 2 x^2 - x - 1)}$$

Sequence: A091650
Score: 5.51663
Type of gen. func.: ogf

$$(191 f(x) - 122)$$

$$(f(x) x^4 + f(x) x^3 - 3 f(x) x^2 + x^3 - 2 f(x) x + 2 x^2 + f(x) - x - 1)$$

Sequence: A091674
Score: 2.68006
Type of gen. func.: ogf

$$\{(365 n^2 - 130670 n - 528520) a(n + 1) + (-n^2 + 723 n + 2543) a(n + 2) + (-n - 3) a(n + 3), a(0) = 1, a(1) = 1093, a(2) = 795341\}$$

Sequence: A091684
Score: 11.8459
Type of gen. func.: ogf

$$\frac{x (x^4 + 2 x^3 + 2 x + 1)}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A091684
Score: 14.8135
Type of gen. func.: lgdogf

$$- \frac{2 (x^6 + 3 x^5 + 7 x^3 + 6 x^2 + 1)}{(x - 1) (x^2 + x + 1) (x^4 + 2 x^3 + 2 x + 1)}$$

Sequence: A091684
Score: 6.48705
Type of gen. func.: ogf

$$\{(n + 4) a(n + 1) + (-n - 1) a(n + 4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 0\}$$

Sequence: A091685
Score: 9.47736
Type of gen. func.: lgdogf

$$- 2 x^3 (x^{12} + 15 x^8 + 25 x^6 + 21 x^2 + 10) / ((x - 1) (x + 1) (x^2 + 1) (x^8 - x^6 + 6 x^4 - x^2 + 1) (x^2 + x + 1) (x^2 - x + 1))$$

Sequence: A091685
Score: 9.59352
Type of gen. func.: ogf

$$\frac{x\,(x^2+1)\,(x^8-x^6+6\,x^4-x^2+1)}{(x-1)^2\,(x+1)^2\,(x^2+x+1)^2\,(x^2-x+1)^2}$$

Sequence: A091686
Score: 3.92176
Type of gen. func.: ogf

$$(10512196655 + 2733765309\,f(x))\,(100\,f(x)\,x^4 - 220\,f(x)\,x^3 - 100\,x^4 + 141\,f(x)\,x^2 + 120\,x^3 - 22\,f(x)\,x - 42\,x^2 + f(x) + 14\,x - 1)$$

Sequence: A091686
Score: 7.08317
Type of gen. func.: ogf

$$\frac{100\,x^4 - 120\,x^3 + 42\,x^2 - 14\,x + 1}{(10\,x-1)^2\,(x-1)^2}$$

Sequence: A091686
Score: 8.76228
Type of gen. func.: lgdogf

$$-\frac{2\,(500\,x^4 - 440\,x^3 - 30\,x^2 + 55\,x - 4)}{(x-1)\,(10\,x-1)\,(100\,x^4 - 120\,x^3 + 42\,x^2 - 14\,x + 1)}$$

Sequence: A091691
Score: 10.0888
Type of gen. func.: lgdogf

$$-\frac{x\,(1210\,x^3 - 1329\,x^2 + 297\,x - 16)}{(x-1)\,(10\,x-1)\,(121\,x^3 - 133\,x^2 + 22\,x - 1)}$$

Sequence: A091691
Score: 4.18845
Type of gen. func.: ogf

$$-(111405780 f(x) - 645892309) (100 f(x) x^4 - 220 f(x) x^3 + 141 f(x) x^2 + 121 x^3 - 22 f(x) x - 133 x^2 + f(x) + 22 x - 1)$$

Sequence: A091691
Score: 7.95335
Type of gen. func.: ogf

$$-\frac{121 x^3 - 133 x^2 + 22 x - 1}{(10 x - 1)^2 (x - 1)^2}$$

Sequence: A091692
Score: 3.45038
Type of gen. func.: ogf

$$(317119374 f(x) - 1359297931) (100 f(x) x^4 - 220 f(x) x^3 + 141 f(x) x^2 - 80 x^3 - 22 f(x) x + 99 x^2 + f(x) - 10 x)$$

Sequence: A091692
Score: 6.65134
Type of gen. func.: ogf

$$\frac{x (80 x^2 - 99 x + 10)}{(10 x - 1)^2 (x - 1)^2}$$

Sequence: A091692
Score: 8.49046
Type of gen. func.: lgdogf

$$-\frac{1600 x^3 - 2970 x^2 + 1329 x - 121}{(x - 1) (10 x - 1) (80 x^2 - 99 x + 10)}$$

Sequence: A091693
Score: 3.14691
Type of gen. func.: ogf

$$(10934943138 f(x) - 51688017389) (100 f(x) x^{4} - 220 f(x) x^{3} + 141 f(x) x^{2} + 110 x^{3} - 22 f(x) x - 120 x^{2} + f(x) + 20 x - 1)$$

Sequence: A091693
Score: 5.97560
Type of gen. func.: ogf

$$- \frac{110 x^{3} - 120 x^{2} + 20 x - 1}{(10 x - 1)^{2} (x - 1)^{2}}$$

Sequence: A091693
Score: 6.84561
Type of gen. func.: lgdogf

$$- \frac{2 (550 x^{4} - 595 x^{3} + 135 x^{2} - 10 x + 1)}{(x - 1) (10 x - 1) (110 x^{3} - 120 x^{2} + 20 x - 1)}$$

Sequence: A091695
Score: 17.2523
Type of gen. func.: lgdegf]

$$- \frac{6 x^{4} - 12 x^{3} - 4 x^{2} + 8 x - 7}{(2 x + 1) (x - 1)^{4}}$$

Sequence: A091699
Score: 12.9241
Type of gen. func.: revogf

```
                                          2            1/2
```

```
    (-3 + 3 x + (x  + 6 x + 1)   ) x
  - --------------------------------
                  2
            2 (x  - 3 x + 1)
```

Sequence: A091699
Score: 6.11164
Type of gen. func.: ogf

$$-f(x)^2 x^2 - 3 f(x)^2 x - 2 f(x)^2 + 3 f(x) x + 3 f(x) - 1$$

Sequence: A091699
Score: 9.08724
Type of gen. func.: lgdogf

$$\frac{-10 x^2 - 17 x - 3 + 3 ((1 + x) (5 x + 1))^{1/2}}{2 (x + 2) (5 x + 1) (1 + x)}$$

Sequence: A091701
Score: 4.72664
Type of gen. func.: ogf

$$-(10 f(x) + 1) (f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 - 4 f(x) x + x^2 + f(x) + x - 1)$$

Sequence: A091701
Score: 9.17926
Type of gen. func.: ogf

$$-\frac{x^2 + x - 1}{x^4 + 2 x^3 - 3 x^2 - 4 x + 1}$$

Sequence: A091701
Score: 9.70042
Type of gen. func.: lgdogf

```
                      4      3    2
       (2 x + 1) (x  + 2 x  - x  - 2 x + 3)
   - ----------------------------------------
       2             4      3      2
```

$$(x + x - 1) (x + 2 x - 3 x - 4 x + 1)$$

Sequence: A091702
Score: 4.80355
Type of gen. func.: ogf

$$(12 f(x) + 5) (f(x) x^4 + 2 f(x) x^3 - 2 f(x) x^2 - 3 f(x) x + x^2 + f(x) + x - 1)$$

Sequence: A091702
Score: 9.05019
Type of gen. func.: ogf

$$-\frac{x^2 + x - 1}{x^4 + 2 x^3 - 2 x^2 - 3 x + 1}$$

Sequence: A091702
Score: 9.55605
Type of gen. func.: lgdogf

$$-\frac{(2 x + 1) (x^4 + 2 x^3 - x^2 - 2 x + 2)}{(x^2 + x - 1) (x^4 + 2 x^3 - 2 x^2 - 3 x + 1)}$$

Sequence: A091703
Score: 8.41443
Type of gen. func.: ogf

$$\frac{x (x^8 + 2 x^7 + 3 x^6 + 4 x^5 + 4 x^3 + 3 x^2 + 2 x + 1)}{(x - 1)^2 (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A091704
Score: 15.1430
Type of gen. func.: lgdogf

$$11 x^{10} + 9 x^8 + 5 x^4 + 3 x^2 + 4 x + 1$$

$$x^{11} + x^9 + x^5 + x^3 + 2 x^2 + x + 2$$

Sequence: A091712
Score: 3.82132
Type of gen. func.: ogf

$$\{(4 n^2 - 6 n + 2) a(n + 1) + (7 n^2 + 19 n + 10) a(n + 2) + (-2 n^2 - 10 n - 12) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 2\}$$

Sequence: A091712
Score: 6.87064
Type of gen. func.: ogf

$$-x^4 - 2 f(x) x^2 - 6 x^3 - f(x)^2 + 10 f(x) x - 12 x^2 + f(x) - 8 x$$

Sequence: A091720
Score: 10.2141
Type of gen. func.: ogf

$$-(60172 f(x) - 551025) (f(x) x^3 + 17 x^2 - f(x) + 34 x + 8)$$

Sequence: A091720
Score: 11.7855
Type of gen. func.: ogf

$$\{a(n + 3) - a(n), a(0) = 8, a(1) = 34, a(2) = 17\}$$

Sequence: A091720
Score: 14.3149
Type of gen. func.: lgdogf

$$- \frac{17 x^4 + 68 x^3 + 24 x^2 + 34 x + 34}{(x - 1) (x^2 + x + 1) (17 x^2 + 34 x + 8)}$$

Sequence: A091720
Score: 18.0248
Type of gen. func.: ogf

$$-\frac{17 x^2 + 34 x + 8}{(x - 1) (x^2 + x + 1)}$$

Sequence: A091721
Score: 13.0993
Type of gen. func.: ogf

$$-\frac{49 x^4 + 21 x^3 + 16 x^2 + 27 x + 5}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A091721
Score: 7.70990
Type of gen. func.: lgdogf

$$-\frac{49 x^8 + 42 x^7 + 48 x^6 + 108 x^5 + 25 x^4 + 196 x^3 + 63 x^2 + 32 x + 27}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (49 x^4 + 21 x^3 + 16 x^2 + 27 x + 5)}$$

Sequence: A091722
Score: 14.3231
Type of gen. func.: ogf

$$-\frac{23 x^2 + 32 x + 4}{(x - 1) (x^2 + 1)}$$

Sequence: A091722
Score: 14.5096
Type of gen. func.: lgdogf

$$-\frac{23 x^4 + 64 x^3 - 43 x^2 + 38 x + 36}{(x - 1) (x^2 + 1) (23 x^2 + 32 x + 4)}$$

```
------------------------------------------------------------------------------

Sequence:  A091722
Score: 6.88821
Type of gen. func.: ogf


-(2311287 f(x) + 252670207)

          3          2                  2
    (f(x) x  - f(x) x  + f(x) x + 23 x  - f(x) + 32 x + 4)



------------------------------------------------------------------------------

Sequence:  A091722
Score: 7.91539
Type of gen. func.: ogf


    {a(n + 3) - a(n + 2) + a(n + 1) - a(n), a(0) = 4, a(1) = 36, a(2) = 55}



------------------------------------------------------------------------------

Sequence:  A091753
Score: 3.53015
Type of gen. func.: ogf


     3       2
{(9 n  + 81 n  + 236 n + 224) a(n + 1) + (-n - 2) a(n + 2), a(0) = 1, a(1) = 60

    }



------------------------------------------------------------------------------

Sequence:  A091761
Score: 11.1506
Type of gen. func.: revogf


                                              1/2           1/2
                       -1 - 34 x + (32 x + 1)    (36 x + 1)
                     - ---------------------------------------
                                         2 x



------------------------------------------------------------------------------

Sequence:  A091761
Score: 11.4651
Type of gen. func.: ogf


                                  2
                           -f(x) x  + 34 f(x) x - f(x) + x



------------------------------------------------------------------------------

Sequence:  A091761
```

Score: 15.3308
Type of gen. func.: ogf

$$\frac{x}{x^2 - 34 x + 1}$$

Sequence: A091761
Score: 22.3013
Type of gen. func.: lgdogf

$$-\frac{2 (-17 + x)}{x^2 - 34 x + 1}$$

Sequence: A091761
Score: 6.35667
Type of gen. func.: ogf

$$\{a(n + 2) - 34 a(n + 1) + a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A091773
Score: 5.58399
Type of gen. func.: ogf

$$-\frac{(x^2 - x + 1) (x^4 + 1)}{(x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^5}$$

Sequence: A091774
Score: 4.07049
Type of gen. func.: ogf

$$\frac{(x^4 - x^3 + x^2 - x + 1) (x^4 + 1)}{(x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x - 1)^6}$$

Sequence: A091775
Score: 3.93689
Type of gen. func.: ogf

$$-(857731525 f(x) + 3484488096) (576 f(x) x^4 - 820 f(x) x^3 + 273 f(x) x^2 + 2304 x^3 - 30 f(x) x - 2460 x^2 + f(x) + 546 x - 30)$$

Sequence: A091775
Score: 7.36578
Type of gen. func.: ogf

$$- \frac{6 (384 x^3 - 410 x^2 + 91 x - 5)}{(x - 1) (4 x - 1) (9 x - 1) (16 x - 1)}$$

Sequence: A091814
Score: 3.34943
Type of gen. func.: ogf

$$\{(48 n^2 + 216 n + 240) a(n + 1) + (-14 n - 39) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 11, a(2) = 203\}$$

Sequence: A091814
Score: 5.91992
Type of gen. func.: egf]

$$384 f(x)^2 x^3 - 160 f(x)^2 x^2 + 22 f(x)^2 x - f(x)^2 + 1$$

Sequence: A091823
Score: 13.2546
Type of gen. func.: ogf

$$\frac{x^2 - x - 4}{(x - 1)^3}$$

Sequence: A091823
Score: 30.5050
Type of gen. func.: lgdogf

$$-\frac{x^2 - 13}{(x - 1)\,(x^2 - x - 4)}$$

Sequence: A091823
Score: 6.97009
Type of gen. func.: ogf

$$(496\,f(x) - 3505)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x - x^2 - f(x) + x + 4)$$

Sequence: A091823
Score: 7.09239
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 4,\ a(1) = 13,\ a(2) = 26\}$$

Sequence: A091848
Score: 5.96341
Type of gen. func.: ogf

$$-x^6\,(x^{17} + x^{11} + x^6 - x^4 + x^3 + 1) \Big/ \left((x^2 + 1)\,(x^4 + 1)\,(x^2 + x + 1)\,(x^2 - x + 1)\,(x^4 - x^2 + 1)\,(x^8 - x^4 + 1)\,(1 + x)^2\,(x - 1)^3\right)$$

Sequence: A091870
Score: 14.8220
Type of gen. func.: revogf

$$-\frac{-1 - 8\,x + (20\,x^2 + 16\,x + 1)^{1/2}}{22\,x}$$

Sequence: A091870
Score: 16.8344
Type of gen. func.: ogf

$$\frac{x}{\qquad}$$

$$11 x^2 - 8 x + 1$$

Sequence: A091870
Score: 20.8606
Type of gen. func.: lgdogf

$$-\frac{2 (-4 + 11 x)}{11 x^2 - 8 x + 1}$$

Sequence: A091870
Score: 6.98012
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 11 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A091870
Score: 9.5395
Type of gen. func.: ogf

$$-11 f(x) x^2 + 8 f(x) x - f(x) + x$$

Sequence: A091874
Score: 6.44157
Type of gen. func.: ogf

$$\frac{800 x^6 - 550 x^5 - 160 x^4 - 66 x^3 - 21 x^2 - 7 x + 1}{(10 x - 1) (x - 1)}$$

Sequence: A091875
Score: 6.71457
Type of gen. func.: lgdogf

$$\frac{3480 x^5 + 4275 x^4 + 312 x^3 + 89 x^2 - 46 x + 3}{(10 x - 1) (87 x^5 + 157 x^4 + 47 x^3 + 23 x^2 + 7 x - 1)}$$

Sequence: A091875
Score: 7.54620
Type of gen. func.: ogf

$$\frac{5 (87 x^5 + 157 x^4 + 47 x^3 + 23 x^2 + 7 x - 1)}{10 x - 1}$$

Sequence: A091876
Score: 3.77196
Type of gen. func.: ogf

$$(24988241072148225 f(x) - 3800404046493457747)$$

$$(-1220 x^4 + 10 f(x) x^2 + 1232 x^3 - 11 f(x) x - 32 x^2 + f(x) + 47 x - 6)$$

Sequence: A091876
Score: 5.82817
Type of gen. func.: lgdogf

$$\frac{24400 x^5 - 52580 x^4 + 31984 x^3 - 3578 x^2 - 56 x + 19}{(x - 1) (10 x - 1) (1220 x^4 - 1232 x^3 + 32 x^2 - 47 x + 6)}$$

Sequence: A091876
Score: 7.30519
Type of gen. func.: ogf

$$\frac{1220 x^4 - 1232 x^3 + 32 x^2 - 47 x + 6}{(10 x - 1) (x - 1)}$$

Sequence: A091877
Score: 4.1695
Type of gen. func.: ogf

$$(5942015700 f(x) - 298651084109)$$

$$(-270 x^4 + 10 f(x) x^2 + 267 x^3 - 11 f(x) x + 14 x^2 + f(x) + 15 x - 2)$$

Sequence: A091877
Score: 6.14773
Type of gen. func.: lgdogf

$$\frac{5400 x^{5} - 11580 x^{4} + 6954 x^{3} - 497 x^{2} - 68 x + 7}{(x - 1) (10 x - 1) (270 x^{4} - 267 x^{3} - 14 x^{2} - 15 x + 2)}$$

Sequence: A091877
Score: 7.41845
Type of gen. func.: ogf

$$\frac{270 x^{4} - 267 x^{3} - 14 x^{2} - 15 x + 2}{(10 x - 1) (x - 1)}$$

Sequence: A091881
Score: 10.8506
Type of gen. func.: revogf

$$- \frac{-17 x - 1 + (225 x^{2} - 10 x + 1)^{1/2}}{2 (11 + 16 x)}$$

Sequence: A091881
Score: 10.8606
Type of gen. func.: ogf

$$- \frac{11 x - 1}{(16 x - 1) (x - 1)}$$

Sequence: A091881
Score: 12.1423
Type of gen. func.: lgdogf

$$- \frac{2 (88 x^{2} - 16 x + 3)}{(x - 1) (11 x - 1) (16 x - 1)}$$

Sequence: A091881
Score: 5.3195
Type of gen. func.: ogf

$$-(1705 f(x) - 1381) (16 f(x) x^2 - 17 f(x) x + f(x) + 11 x - 1)$$

Sequence: A091881
Score: 6.20608
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1) + 16 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A091882
Score: 10.9109
Type of gen. func.: ogf

$$-15 f(x) x + f(x) + 10 x - 1$$

Sequence: A091882
Score: 13.1490
Type of gen. func.: ogf

$$\frac{10 x - 1}{15 x - 1}$$

Sequence: A091882
Score: 13.1968
Type of gen. func.: revogf

$$\frac{3 x}{4} + 1/20 - \frac{(225 x^2 - 10 x + 1)^{1/2}}{20}$$

Sequence: A091882
Score: 26.3936
Type of gen. func.: lgdogf

$$\frac{5}{(15 x - 1) (10 x - 1)}$$

Sequence: A091882
Score: 7.02481
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1), a(0) = 1, a(1) = 5\}$$

Sequence: A091883
Score: 12.1618
Type of gen. func.: revogf

$$\frac{-1 - 5 x + (225 x^2 - 10 x + 1)^{1/2}}{10 (10 x - 1)}$$

Sequence: A091883
Score: 12.3538
Type of gen. func.: ogf

$$\frac{5 x - 1}{(5 x + 1) (10 x - 1)}$$

Sequence: A091883
Score: 14.3447
Type of gen. func.: lgdogf

$$- \frac{50 x (-2 + 5 x)}{(5 x + 1) (5 x - 1) (10 x - 1)}$$

Sequence: A091883
Score: 6.93021
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + 50 a(n), a(0) = 1, a(1) = 0\}$$

Sequence: A091883
Score: 8.87932
Type of gen. func.: ogf

$$50 f(x) x^2 + 5 f(x) x - f(x) - 5 x + 1$$

Sequence: A091903
Score: 14.7482
Type of gen. func.: revogf

$$\frac{-1 - 5 x + (225 x^2 + 10 x + 1)^{1/2}}{100 x}$$

Sequence: A091903
Score: 15.3728
Type of gen. func.: ogf

$$- \frac{x}{(5 x + 1) (10 x - 1)}$$

Sequence: A091903
Score: 20.5421
Type of gen. func.: lgdogf

$$- \frac{5 (1 + 20 x)}{(5 x + 1) (10 x - 1)}$$

Sequence: A091903
Score: 7.12399
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + 50 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A091903
Score: 9.73613
Type of gen. func.: ogf

$$-50 f(x) x^2 - 5 f(x) x + f(x) - x$$

Sequence: A091904

Score: 10.3006
Type of gen. func.: ogf

$$-32 f(x) x^2 - 4 f(x) x + f(x) - x$$

Sequence: A091904
Score: 16.2642
Type of gen. func.: ogf

$$-\frac{x}{(4 x + 1) (8 x - 1)}$$

Sequence: A091904
Score: 16.4569
Type of gen. func.: revogf

$$\frac{-1 - 4 x + (144 x^2 + 8 x + 1)^{1/2}}{64 x}$$

Sequence: A091904
Score: 22.5520
Type of gen. func.: lgdogf

$$-\frac{4 (1 + 16 x)}{(4 x + 1) (8 x - 1)}$$

Sequence: A091904
Score: 7.53705
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 32 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A091905
Score: 12.6993
Type of gen. func.: ogf

$$\frac{4 x - 1}{(4 x + 1) (8 x - 1)}$$

Sequence: A091905
Score: 13.3763
Type of gen. func.: revogf

$$\frac{-1 - 4 x + (144 x^2 - 8 x + 1)^{1/2}}{8 (8 x - 1)}$$

Sequence: A091905
Score: 14.3795
Type of gen. func.: lgdogf

$$- \frac{64 (-1 + 2 x) x}{(4 x + 1) (8 x - 1) (4 x - 1)}$$

Sequence: A091905
Score: 7.12399
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 32 a(n), a(0) = 1, a(1) = 0\}$$

Sequence: A091905
Score: 9.12762
Type of gen. func.: ogf

$$32 f(x) x^2 + 4 f(x) x - f(x) - 4 x + 1$$

Sequence: A091914
Score: 17.3323
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (52 x^2 + 4 x + 1)^{1/2}}{24 x}$$

Sequence: A091914
Score: 18.7207
Type of gen. func.: ogf

$$-\frac{1}{12x^2+2x-1}$$

Sequence: A091914
Score: 23.9986
Type of gen. func.: lgdogf

$$-\frac{2(1+12x)}{12x^2+2x-1}$$

Sequence: A091914
Score: 7.57744
Type of gen. func.: ogf

$$(19 f(x) - 18)(12 f(x) x^2 + 2 f(x) x - f(x) + 1)$$

Sequence: A091914
Score: 7.66872
Type of gen. func.: ogf

$$\{-a(n+2) + 2 a(n+1) + 12 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A091915
Score: 12.7448
Type of gen. func.: ogf

$$-\frac{2x(x^4+2x^2+x+1)}{3x^3-1}$$

Sequence: A091915
Score: 12.9868
Type of gen. func.: lgdogf

$$\frac{3x^6-6x^4-10x^3-9x^2-4x-1}{}$$

$$(3 x^3 - 1) (x^4 + 2 x^2 + x + 1)$$

Sequence: A091915
Score: 8.54324
Type of gen. func.: ogf

$$-(5 f(x) + 4) (2 x^5 + 3 f(x) x^3 + 4 x^3 + 2 x^2 - f(x) + 2 x)$$

Sequence: A091916
Score: 12.8867
Type of gen. func.: lgdogf

$$\frac{6 x^6 - 9 x^4 - 14 x^3 - 9 x^2 - 6 x - 1}{(3 x^3 - 1) (2 x^4 + 3 x^2 + x + 1)}$$

Sequence: A091916
Score: 14.0550
Type of gen. func.: ogf

$$- \frac{2 x^4 + 3 x^2 + x + 1}{3 x^3 - 1}$$

Sequence: A091916
Score: 7.41793
Type of gen. func.: ogf

$$\{a(n + 5) - 3 a(n + 2), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 3, a(4) = 5\}$$

Sequence: A091919
Score: 13.6014
Type of gen. func.: ogf

$$- \frac{1}{(-1 + 2 x) (x - 1)^2 (1 + x)^2}$$

Sequence: A091919
Score: 19.1084
Type of gen. func.: lgdogf

$$-\frac{2\,(5\,x^2-2\,x-1)}{(x-1)\,(-1+2\,x)\,(1+x)}$$

Sequence: A091919
Score: 3.64078
Type of gen. func.: ogf

$$\{(-n-4)\,a(n+4)+(8+2\,n)\,a(n+3)+(6+n)\,a(n+2)$$
$$+(-12-2\,n)\,a(n+1),\ a(0)=1,\ a(1)=2,\ a(2)=6,\ a(3)=12\}$$

Sequence: A091927
Score: 12.7193
Type of gen. func.: ogf

$$\frac{6\,x-1}{5\,x^2+6\,x-1}$$

Sequence: A091927
Score: 13.0985
Type of gen. func.: revogf

$$\frac{-1-6\,x+(56\,x^2-12\,x+1)^{1/2}}{2\,(-6+5\,x)}$$

Sequence: A091927
Score: 15.6455
Type of gen. func.: lgdogf

$$-\frac{10\,x\,(-1+3\,x)}{(6\,x-1)\,(5\,x^2+6\,x-1)}$$

Sequence: A091927
Score: 7.06630
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) + 5 a(n), a(0) = 1, a(1) = 0\}$$

Sequence: A091927
Score: 9.08524
Type of gen. func.: ogf

$$5 f(x) x^2 + 6 f(x) x - f(x) - 6 x + 1$$

Sequence: A091928
Score: 12.5821
Type of gen. func.: ogf

$$\frac{x - 1}{5 x^2 + 6 x - 1}$$

Sequence: A091928
Score: 13.5173
Type of gen. func.: revogf

$$\frac{-1 - 6 x + (56 x^2 + 8 x + 1)^{1/2}}{2 (5 x - 1)}$$

Sequence: A091928
Score: 15.8346
Type of gen. func.: lgdogf

$$- \frac{5 (x^2 - 2 x - 1)}{(x - 1) (5 x^2 + 6 x - 1)}$$

Sequence: A091928
Score: 6.50797
Type of gen. func.: ogf

$$(54 f(x) - 29) (5 f(x) x^2 + 6 f(x) x - f(x) - x + 1)$$

Sequence: A091928
Score: 6.90479
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) + 5 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A091929
Score: 13.3694
Type of gen. func.: ogf

$$\frac{6 x - 1}{11 x^2 + 6 x - 1}$$

Sequence: A091929
Score: 13.7695
Type of gen. func.: revogf

$$\frac{-1 - 6 x + (80 x^2 - 12 x + 1)^{1/2}}{2 (-6 + 11 x)}$$

Sequence: A091929
Score: 16.8294
Type of gen. func.: lgdogf

$$- \frac{22 x (-1 + 3 x)}{(6 x - 1) (11 x^2 + 6 x - 1)}$$

Sequence: A091929
Score: 7.49991
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) + 11 a(n), a(0) = 1, a(1) = 0\}$$

Sequence: A091929
Score: 9.60927
Type of gen. func.: ogf

$$11 f(x) x^2 + 6 f(x) x - f(x) - 6 x + 1$$

Sequence: A091940
Score: 21.4016
Type of gen. func.: lgdogf

$$- \frac{3 (1 + x) (7 x + 3)}{(x - 1) (7 x^2 + 4 x + 1)}$$

Sequence: A091940
Score: 3.92566
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-3 + 3 n) a(n + 3) + (-27 + 3 n) a(n + 2) + (-21 - 7 n) a(n + 1), a(0) = 0, a(1) = 2, a(2) = 18, a(3) = 84\}$$

Sequence: A091940
Score: 9.30008
Type of gen. func.: ogf

$$- \frac{2 x (7 x^2 + 4 x + 1)}{(x - 1)^5}$$

Sequence: A091962
Score: 3.78291
Type of gen. func.: ogf

$$\{(2 n^3 + 27 n^2 + 121 n + 180) a(n + 1) + (28 n^2 + 196 n + 420) a(n + 2) + (-2 n^3 - 15 n^2 - 37 n - 30) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 42\}$$

Sequence: A091962

Score: 4.10658
Type of gen. func.: ogf

$$-\frac{x\,(x^{6}+31\,x^{5}+187\,x^{4}+330\,x^{3}+187\,x^{2}+31\,x+1)}{(x-1)^{11}}$$

Sequence: A091962
Score: 7.43180
Type of gen. func.: lgdogf

$$-\frac{5\,x^{6}+192\,x^{5}+1464\,x^{4}+3388\,x^{3}+2673\,x^{2}+684\,x+42}{(x-1)\,(x^{6}+31\,x^{5}+187\,x^{4}+330\,x^{3}+187\,x^{2}+31\,x+1)}$$

Sequence: A091964
Score: 5.98961
Type of gen. func.: ogf

$$f(x)^{2}\,x^{3}-3\,f(x)^{2}\,x^{2}+f(x)^{2}\,x+f(x)\,x^{2}-3\,f(x)\,x+f(x)-1$$

Sequence: A091971
Score: 6.95145
Type of gen. func.: lgdogf

$$-x^{2}\,(x^{12}+2\,x^{9}+5\,x^{8}+10\,x^{7}+7\,x^{6}-2\,x^{5}-x^{4}+6\,x^{3}+10\,x^{2}+4\,x+3) \Big/ \big((x-1)\,(x^{2}+x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{4}-x^{3}+x^{2}-x+1)\,(x^{4}-x^{2}+1)\big)$$

Sequence: A091971
Score: 8.36894
Type of gen. func.: ogf

$$-\frac{(x^{4}-x^{3}+x^{2}-x+1)\,(x^{4}-x^{2}+1)}{(x^{2}+x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x-1)^{3}}$$

Sequence: A091972
Score: 11.6337
Type of gen. func.: lgdogf

$$-\frac{x^2 (2 x^6 - 2 x^5 + 4 x^4 - 3 x^3 + 7 x^2 + x + 3)}{(x - 1) (x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^2 + 1)}$$

Sequence: A091972
Score: 21.3460
Type of gen. func.: ogf_with_Euler_transform]

$$\left(\frac{1}{x^6} + \frac{1}{x^7} + \frac{1}{x^5} - 1\right) x^9$$

Sequence: A091972
Score: 9.53425
Type of gen. func.: ogf

$$\frac{x^4 - x^3 + x^2 - x + 1}{(x^2 + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A091973
Score: 4.69482
Type of gen. func.: ogf

$$-\frac{x^{10} - x^9 + 2 x^8 + 2 x^6 + x^5 + 2 x^4 + 2 x^2 - x + 1}{(x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x - 1)^3}$$

Sequence: A091993
Score: 13.8176
Type of gen. func.: lgdegf]

$$-\frac{4 (-7 + 135 x)}{(20 x - 1) (18 x - 1)}$$

Sequence: A091993
Score: 2.79367
Type of gen. func.: ogf

$$\{(360 n^2 + 1620 n + 1800) a(n + 1) + (-38 n - 104) a(n + 2) + a(n + 3),$$
$$a(0) = 1, a(1) = 28, a(2) = 1308\}$$

Sequence: A091993
Score: 4.98416
Type of gen. func.: egf]

$$-6480 f(x)^2 x^3 + 1044 f(x)^2 x^2 - 56 f(x)^2 x + f(x)^2 - 1$$

Sequence: A091994
Score: 14.4492
Type of gen. func.: lgdegf]

$$- \frac{-29 + 540 x}{(20 x - 1) (18 x - 1)}$$

Sequence: A091994
Score: 2.82634
Type of gen. func.: ogf

$$\{(360 n^2 + 1620 n + 1800) a(n + 1) + (-38 n - 105) a(n + 2) + a(n + 3),$$
$$a(0) = 1, a(1) = 29, a(2) = 1403\}$$

Sequence: A091994
Score: 5.04246
Type of gen. func.: egf]

$$7200 f(x)^2 x^3 - 1120 f(x)^2 x^2 + 58 f(x)^2 x - f(x)^2 + 1$$

Sequence: A091998

Score: 13.5693
Type of gen. func.: ogf

$$\frac{x^2 + 10 x + 1}{(1 + x) (x - 1)^2}$$

Sequence: A091998
Score: 17.9391
Type of gen. func.: lgdogf

$$- \frac{x^3 + 21 x^2 + 15 x + 11}{(x - 1) (1 + x) (x^2 + 10 x + 1)}$$

Sequence: A091998
Score: 7.31564
Type of gen. func.: ogf

$$(27 f(x) + 344) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - 10 x - 1)$$

Sequence: A091998
Score: 7.37981
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 11, a(2) = 13}

Sequence: A091999
Score: 13.7918
Type of gen. func.: ogf

$$\frac{2 (x^2 + 4 x + 1)}{(1 + x) (x - 1)^2}$$

Sequence: A091999
Score: 19.6475
Type of gen. func.: lgdogf

$$-\frac{x^3 + 9x^2 + 9x + 5}{(x - 1)(1 + x)(x^2 + 4x + 1)}$$

Sequence: A091999
Score: 7.37981
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 10, a(2) = 14\}$$

Sequence: A091999
Score: 7.51159
Type of gen. func.: ogf

$$(4 f(x) + 19) (f(x) x^3 - f(x) x^2 - f(x) x - 2 x^2 + f(x) - 8 x - 2)$$

Sequence: A092038
Score: 12.3226
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 - 1}{(x - 1)^2 (x^2 + 1)}$$

Sequence: A092038
Score: 15.4796
Type of gen. func.: lgdogf

$$-\frac{x^5 - 3x^4 + 5x^3 - 7x^2 + 2x - 2}{(x - 1)(x^2 + 1)(x^4 - x^3 - 1)}$$

Sequence: A092038
Score: 5.55278
Type of gen. func.: ogf

$\{-a(n + 5) + 2 a(n + 4) - 2 a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 1,$

$a(1) = 2, a(2) = 2, a(3) = 3, a(4) = 4\}$

Sequence: A092038
Score: 6.71306
Type of gen. func.: ogf

$$(6 f(x) + 29) (f(x) x^4 - 2 f(x) x^3 + x^4 + 2 f(x) x^2 - x^3 - 2 f(x) x + f(x) - 1)$$

Sequence: A092055
Score: 5.51163
Type of gen. func.: ogf

$$\{-a(n + 3) + 14 a(n + 2) - 56 a(n + 1) + 64 a(n), a(0) = 1, a(1) = 4, a(2) = 20\}$$

Sequence: A092055
Score: 8.25225
Type of gen. func.: lgdogf

$$-\frac{4 (320 x^4 - 320 x^3 + 118 x^2 - 18 x + 1)}{(4 x - 1) (-1 + 2 x) (8 x - 1) (20 x^2 - 10 x + 1)}$$

Sequence: A092055
Score: 8.37244
Type of gen. func.: ogf

$$-64 f(x) x^3 + 56 f(x) x^2 - 14 f(x) x - 20 x^2 + f(x) + 10 x - 1$$

Sequence: A092055
Score: 9.68711
Type of gen. func.: ogf

$$-\frac{20 x^2 - 10 x + 1}{(8 x - 1) (-1 + 2 x) (4 x - 1)}$$

Sequence: A092076
Score: 11.0748
Type of gen. func.: ogf

$$-\frac{x^6 + 4x^3 + 1}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A092076
Score: 11.9020
Type of gen. func.: lgdogf

$$-\frac{x^8 + x^7 + x^6 + 22x^5 + 4x^4 + 4x^3 + 19x^2 + x + 1}{(x - 1)(x^2 + x + 1)(x^6 + 4x^3 + 1)}$$

Sequence: A092084
Score: 6.16438
Type of gen. func.: lgdegf]

$(-36 n - 78) a(n + 1) + (12 n + 31) a(n + 2) + (-n - 3) a(n + 3), a(0) = 8,$

$a(1) = 49, a(2) = 595/2$

Sequence: A092085
Score: 7.00444
Type of gen. func.: lgdegf]

$(-36 n - 78) a(n + 1) + (12 n + 31) a(n + 2) + (-n - 3) a(n + 3), a(0) = 6,$

$a(1) = 35, a(2) = 413/2$

Sequence: A092086
Score: 11.3167
Type of gen. func.: revogf

$$\frac{x (4x + 1)(19x^2 + 8x + 1)(43x^2 + 8x + 1)}{(7x + 1)^6}$$

Sequence: A092087
Score: 11.5525
Type of gen. func.: revogf

$$\frac{x (2 x + 1) (7 x^2 + 4 x + 1) (31 x^2 + 4 x + 1)}{(5 x + 1)^6}$$

Sequence: A092091
Score: 14.8140
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 + 4 x + 1) (5 x^2 - x + 2)}{(x - 1) (1 + x) (x^3 + 3 x^2 - x + 1)}$$

Sequence: A092091
Score: 5.12060
Type of gen. func.: ogf

$$- \frac{x^3 + 3 x^2 - x + 1}{(1 + x)^4 (x - 1)^9}$$

Sequence: A092092
Score: 14.2643
Type of gen. func.: ogf

$$\frac{x^3 + x + 1}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A092092
Score: 19.0562
Type of gen. func.: lgdogf

$$- \frac{3 x^5 + 5 x^3 + 9 x^2 + 1}{(x - 1) (x^2 + x + 1) (x^3 + x + 1)}$$

Sequence: A092093
Score: 10.4502
Type of gen. func.: ogf

$$\frac{2x^6+x^5+3x^3+x^2+2x+1}{(x-1)^2(x^4+x^3+x^2+x+1)^2}$$

Sequence: A092093
Score: 8.58161
Type of gen. func.: lgdogf

$$-\frac{8x^{10}+5x^9+21x^7+8x^6+30x^5+15x^4+9x^2+2x+2}{(x-1)(x^4+x^3+x^2+x+1)(2x^6+x^5+3x^3+x^2+2x+1)}$$

Sequence: A092094
Score: 7.57906
Type of gen. func.: ogf

$$-\frac{6x^6-3x^5-2x^4-13x^3+6x^2+5x+7}{(x^2+x+1)^2(x-1)^3}$$

Sequence: A092094
Score: 8.79291
Type of gen. func.: lgdogf

$$-\frac{3(2x^8-x^6-7x^5+5x^3+7x^2+8x+4)}{(x-1)(6x^6-3x^5-2x^4-13x^3+6x^2+5x+7)(x^2+x+1)}$$

Sequence: A092096
Score: 6.34494
Type of gen. func.: ogf

10   9   7   6   5   4   2

$$-\frac{10 x - 5 x - 3 x - x - 21 x + 10 x + 8 x + x + 11}{(x^4 + x^3 + x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A092130
Score: 13.4887
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^7 + x^6 + x^3}{x^6 - 1}$$

Sequence: A092135
Score: 3.48788
Type of gen. func.: ogf

$$(8255484896886647 f(x) - 68730278075946) (3888 f(x) x^4 - 38664 f(x) x^3 + 4584 f(x) x^2 - 154 f(x) x + 1728 x^2 + f(x) - 1080 x)$$

Sequence: A092135
Score: 7.18588
Type of gen. func.: ogf

$$-\frac{216 x (8 x - 5)}{(12 x^2 - 118 x + 1) (18 x - 1)^2}$$

Sequence: A092145
Score: 4.08592
Type of gen. func.: ogf

$$\{(80 n^2 + 360 n + 400) a(n + 1) + (-18 n - 49) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 13, a(2) = 283\}$$

Sequence: A092145
Score: 7.22163
Type of gen. func.: egf]

$$-640 f(x)^2 x^3 + 224 f(x)^2 x^2 - 26 f(x)^2 x + f(x)^2 - 1$$

Sequence: A092164
Score: 12.4489
Type of gen. func.: ogf

$$-\frac{6 x + 1}{(1 + x) (6 x - 1)}$$

Sequence: A092164
Score: 13.3712
Type of gen. func.: revogf

$$\frac{-1 - 5 x + (49 x^2 + 34 x + 1)^{1/2}}{12 (1 + x)}$$

Sequence: A092164
Score: 14.0569
Type of gen. func.: lgdogf

$$-\frac{36 x^2 + 12 x + 11}{(6 x - 1) (6 x + 1) (1 + x)}$$

Sequence: A092164
Score: 6.4391
Type of gen. func.: ogf

$$(67 f(x) + 54) (6 f(x) x^2 + 5 f(x) x - f(x) + 6 x + 1)$$

Sequence: A092164
Score: 6.74942
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) - 6 a(n), a(0) = 1, a(1) = 11\}$$

Sequence: A092165
Score: 14.8167
Type of gen. func.: revogf

$$\frac{-2 - 5 x + (49 x^2 + 20 x + 4)^{1/2}}{12 x}$$

Sequence: A092165
Score: 22.8986
Type of gen. func.: ogf

$$- \frac{2}{(1 + x) (6 x - 1)}$$

Sequence: A092165
Score: 23.8356
Type of gen. func.: lgdogf

$$- \frac{5 + 12 x}{(1 + x) (6 x - 1)}$$

Sequence: A092165
Score: 8.68568
Type of gen. func.: ogf

$$-(37 f(x) - 24) (6 f(x) x^2 + 5 f(x) x - f(x) + 2)$$

Sequence: A092165
Score: 9.10425
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + 6 a(n), a(0) = 2, a(1) = 10\}$$

Sequence: A092166
Score: 14.8998
Type of gen. func.: revogf

$$-5 - 5 x + (49 x^2 + 50 x + 25)^{1/2}$$

```
                  ---------------------------------
                                12 x
```

Sequence: A092166
Score: 17.5205
Type of gen. func.: ogf

$$-\frac{5}{(1 + x)\,(6 x - 1)}$$

Sequence: A092166
Score: 24.6171
Type of gen. func.: lgdogf

$$-\frac{5 + 12 x}{(1 + x)\,(6 x - 1)}$$

Sequence: A092166
Score: 6.6457
Type of gen. func.: ogf

$$(1111 f(x) - 2430)\,(6 f(x) x^2 + 5 f(x) x - f(x) + 5)$$

Sequence: A092166
Score: 6.96598
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + 6 a(n), a(0) = 5, a(1) = 25\}$$

Sequence: A092167
Score: 12.8484
Type of gen. func.: ogf

$$-\frac{2 (3 x + 2)}{(1 + x)\,(6 x - 1)}$$

Sequence: A092167
Score: 13.4808

Type of gen. func.: revogf

$$\frac{-5 x - 4 + (49 x^{2} + 64 x + 16)^{1/2}}{12 (1 + x)}$$

Sequence: A092167
Score: 14.5178
Type of gen. func.: lgdogf

$$- \frac{18 x^{2} + 24 x + 13}{(6 x - 1) (3 x + 2) (1 + x)}$$

Sequence: A092167
Score: 6.6457
Type of gen. func.: ogf

$$(89 f(x) - 18) (6 f(x) x^{2} + 5 f(x) x - f(x) + 6 x + 4)$$

Sequence: A092167
Score: 6.96598
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) - 6 a(n), a(0) = 4, a(1) = 26\}$$

Sequence: A092170
Score: 3.20364
Type of gen. func.: ogf

$$\{(-n^{2} - 8 n - 16) a(n + 1) + (-n^{2} - 8 n - 15) a(n + 2) + a(n + 3), a(0) = 1,$$
$$a(1) = 3, a(2) = 33\}$$

Sequence: A092181
Score: 13.8630
Type of gen. func.: lgdogf

$$- \frac{6 (1 + x) (3 x^{2} + 23 x + 4)}{}$$

$$(x - 1) (9 x^3 + 43 x^2 + 19 x + 1)$$

Sequence: A092181
Score: 3.69679
Type of gen. func.: ogf

$$\{(-791 n^2 - 4736 n - 7089) a(n + 1) + (760 n^2 + 1352 n + 1080) a(n + 2) + (31 n^2 + 96 n + 9) a(n + 3), a(0) = 1, a(1) = 24, a(2) = 153\}$$

Sequence: A092181
Score: 8.09971
Type of gen. func.: ogf

$$- \frac{9 x^3 + 43 x^2 + 19 x + 1}{(x - 1)^5}$$

Sequence: A092182
Score: 11.2059
Type of gen. func.: lgdogf

$$- \frac{2 (107 x^3 + 696 x^2 + 587 x + 60)}{(x - 1) (107 x^3 + 357 x^2 + 115 x + 1)}$$

Sequence: A092182
Score: 7.49496
Type of gen. func.: ogf

$$- \frac{107 x^3 + 357 x^2 + 115 x + 1}{(x - 1)^5}$$

Sequence: A092183
Score: 6.89747
Type of gen. func.: ogf

$$-\frac{543 x^3 + 1993 x^2 + 595 x + 1}{(x - 1)^5}$$

Sequence: A092183
Score: 9.77430
Type of gen. func.: lgdogf

$$-\frac{6 (181 x^3 + 1268 x^2 + 1061 x + 100)}{(x - 1) (543 x^3 + 1993 x^2 + 595 x + 1)}$$

Sequence: A092184
Score: 13.5303
Type of gen. func.: ogf

$$-\frac{x (1 + x)}{(x - 1) (x^2 - 4 x + 1)}$$

Sequence: A092184
Score: 18.1271
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - x^2 - 5 x + 3)}{(x - 1) (1 + x) (x^2 - 4 x + 1)}$$

Sequence: A092184
Score: 6.94799
Type of gen. func.: ogf

{a(n + 3) - 5 a(n + 2) + 5 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 6}

Sequence: A092184
Score: 7.20772
Type of gen. func.: ogf

$$(6 f(x) + 1) (f(x) x^3 - 5 f(x) x^2 + 5 f(x) x + x^2 - f(x) + x)$$

Sequence: A092185
Score: 11.4382
Type of gen. func.: ogf

$$\frac{x (x^2 - 2 x + 6)}{(x - 1)^4}$$

Sequence: A092185
Score: 24.9607
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 - 2 x + 11)}{(x - 1) (x^2 - 2 x + 6)}$$

Sequence: A092185
Score: 4.19591
Type of gen. func.: ogf

$$\{(18 + 6 n) a(n + 4) + (-38 - 8 n) a(n + 3) + (7 + 3 n) a(n + 2)$$
$$+ (-n - 2) a(n + 1), a(0) = 0, a(1) = 6, a(2) = 22, a(3) = 53\}$$

Sequence: A092185
Score: 6.09479
Type of gen. func.: ogf

$$(440 f(x) + 587)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x + 2 x^2 + f(x) - 6 x)$$

Sequence: A092200
Score: 16.9453
Type of gen. func.: ogf

$$2 x + 1$$

$$(x^2 + x + 1) (x - 1)^2$$

Sequence: A092200
Score: 20.9760
Type of gen. func.: lgdogf

$$-\frac{3 (1 + x) (2 x^2 + 1)}{(x - 1) (2 x + 1) (x^2 + x + 1)}$$

Sequence: A092200
Score: 5.41025
Type of gen. func.: ogf

{(3 n + 13) a(n + 1) + 3 a(n + 2) + 3 a(n + 3) + (-3 n - 10) a(n + 4), a(0) = 1,

a(1) = 3, a(2) = 3, a(3) = 4}

Sequence: A092200
Score: 8.09099
Type of gen. func.: ogf

$$-(207 f(x) + 820) (f(x) x^4 - f(x) x^3 - f(x) x + f(x) - 2 x - 1)$$

Sequence: A092202
Score: 10.7399
Type of gen. func.: ogf

$$\frac{x (1 + x)}{x^4 + x^3 + x^2 + x + 1}$$

Sequence: A092202
Score: 23.2698
Type of gen. func.: lgdogf

$$-\frac{x (3 x^3 + 6 x^2 + 4 x + 2)}{(1 + x) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A092202
Score: 27.8663
Type of gen. func.: ogf_with_Euler_transform]

$$[x^4 - x]$$

Sequence: A092202
Score: 5.58475
Type of gen. func.: ogf

$$(f(x) + 2) (f(x) x^4 + f(x) x^3 + f(x) x^2 + f(x) x - x^2 + f(x) - x)$$

Sequence: A092220
Score: 10.3264
Type of gen. func.: ogf

$$(f(x) - 1) (f(x) x^3 + x^2 + f(x) - x)$$

Sequence: A092220
Score: 16.2928
Type of gen. func.: ogf

$$- \frac{x (x - 1)}{(1 + x) (x^2 - x + 1)}$$

Sequence: A092220
Score: 25.2231
Type of gen. func.: ogf_with_Euler_transform]

$$x^5 - x^2 - 1$$

Sequence: A092220
Score: 25.8053
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 3 x^2 - 1}{(x - 1) (1 + x) (x^2 - x + 1)}$$

Sequence: A092220
Score: 9.77567
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n), a(0) = 0, a(1) = 1, a(2) = -1\}$$

Sequence: A092221
Score: 10.7248
Type of gen. func.: ogf

$$\frac{7 x^4 + 36 x^3 + 59 x^2 + 51 x + 22}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A092221
Score: 8.43754
Type of gen. func.: lgdogf

$$-\frac{14 x^6 + 108 x^5 + 236 x^4 + 283 x^3 + 240 x^2 + 118 x + 51}{(x - 1) (x^2 + x + 1) (7 x^4 + 36 x^3 + 59 x^2 + 51 x + 22)}$$

Sequence: A092222
Score: 10.7232
Type of gen. func.: ogf

$$\frac{4 x^4 + 37 x^3 + 67 x^2 + 62 x + 29}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A092222
Score: 8.52586
Type of gen. func.: lgdogf

$$-\frac{8x^6+111x^5+268x^4+326x^3+285x^2+134x+62}{(x-1)(x^2+x+1)(4x^4+37x^3+67x^2+62x+29)}$$

Sequence: A092223
Score: 10.3885
Type of gen. func.: ogf

$$\frac{16x^4+66x^3+101x^2+84x+34}{(x-1)^2(x^2+x+1)^2}$$

Sequence: A092223
Score: 8.13343
Type of gen. func.: lgdogf

$$-\frac{2(16x^6+99x^5+202x^4+242x^3+201x^2+101x+42)}{(x-1)(x^2+x+1)(16x^4+66x^3+101x^2+84x+34)}$$

Sequence: A092226
Score: 10.3228
Type of gen. func.: ogf

$$\frac{9x^4+83x^3+149x^2+139x+65}{(x-1)^2(x^2+x+1)^2}$$

Sequence: A092226
Score: 8.08268
Type of gen. func.: lgdogf

$$-\frac{18x^6+249x^5+596x^4+731x^3+639x^2+298x+139}{(x-1)(x^2+x+1)(9x^4+83x^3+149x^2+139x+65)}$$

Sequence: A092227
Score: 6.94041
Type of gen. func.: ogf

$$\frac{23 x^8 + 47 x^7 + 101 x^6 + 125 x^5 + 157 x^4 + 133 x^3 + 109 x^2 + 55 x + 31}{(x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2}$$

Sequence: A092228
Score: 10.0571
Type of gen. func.: ogf

$$\frac{74 x^4 + 190 x^3 + 233 x^2 + 158 x + 42}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A092228
Score: 7.83724
Type of gen. func.: lgdogf

$$- \frac{2 (74 x^6 + 285 x^5 + 466 x^4 + 543 x^3 + 411 x^2 + 233 x + 79)}{(x - 1) (x^2 + x + 1) (74 x^4 + 190 x^3 + 233 x^2 + 158 x + 42)}$$

Sequence: A092229
Score: 7.60512
Type of gen. func.: lgdogf

$$- \frac{2 (46 x^6 + 261 x^5 + 514 x^4 + 617 x^3 + 507 x^2 + 257 x + 105)}{(x - 1) (x^2 + x + 1) (46 x^4 + 174 x^3 + 257 x^2 + 210 x + 82)}$$

Sequence: A092229
Score: 9.85758
Type of gen. func.: ogf

$$\frac{46 x^4 + 174 x^3 + 257 x^2 + 210 x + 82}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A092236
Score: 12.3287
Type of gen. func.: ogf

$$-\frac{(-1 + 2 x)^2}{(-1 + 3 x) (3 x^2 - 3 x + 1)}$$

Sequence: A092236
Score: 13.9057
Type of gen. func.: lgdogf

$$-\frac{18 x^3 - 27 x^2 + 12 x - 2}{(-1 + 3 x) (-1 + 2 x) (3 x^2 - 3 x + 1)}$$

Sequence: A092236
Score: 6.58945
Type of gen. func.: ogf

$$-(3 f(x) + 5) (9 f(x) x^3 - 12 f(x) x^2 + 6 f(x) x + 4 x^2 - f(x) - 4 x + 1)$$

Sequence: A092236
Score: 6.76440
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 12 a(n + 1) - 9 a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A092242
Score: 13.7918
Type of gen. func.: ogf

$$\frac{5 x^2 + 2 x + 5}{(1 + x) (x - 1)^2}$$

Sequence: A092242
Score: 17.5574
Type of gen. func.: lgdogf

$$-\frac{5 x^3 + 9 x^2 + 27 x + 7}{(x - 1) (1 + x) (5 x^2 + 2 x + 5)}$$

Sequence: A092242
Score: 7.12965
Type of gen. func.: ogf

$$-(27 f(x) + 424) (f(x) x^3 - f(x) x^2 - f(x) x - 5 x^2 + f(x) - 2 x - 5)$$

Sequence: A092242
Score: 7.44512
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 5, a(1) = 7, a(2) = 17}

Sequence: A092259
Score: 13.7918
Type of gen. func.: ogf

$$\frac{4 (x^2 + x + 1)}{(1 + x) (x - 1)^2}$$

Sequence: A092259
Score: 20.6299
Type of gen. func.: lgdogf

$$-\frac{x^3 + 3 x^2 + 6 x + 2}{(x - 1) (1 + x) (x^2 + x + 1)}$$

Sequence: A092259
Score: 33.5013

Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + x + 2$$

Sequence: A092259
Score: 7.44512
Type of gen. func.: ogf

$$(5 f(x) + 172) (f(x) x^3 - f(x) x^2 - f(x) x - 4 x^2 + f(x) - 4 x - 4)$$

Sequence: A092259
Score: 7.44512
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 4, a(1) = 8, a(2) = 16\}$$

Sequence: A092263
Score: 10.5948
Type of gen. func.: ogf

$$\frac{x^2 + x + 1}{(x - 1) (x^2 + 1) (x^2 + x - 1)}$$

Sequence: A092263
Score: 11.3763
Type of gen. func.: lgdogf

$$- \frac{3 x^6 + 4 x^5 + 4 x^4 - 2 x^3 - 3}{(x - 1) (x^2 + x + 1) (x^2 + x - 1) (x^2 + 1)}$$

Sequence: A092264
Score: 4.68580
Type of gen. func.: ogf

$$- (3 x^{11} + 5 x^{10} + 9 x^9 + 17 x^8 - 19 x^7 - 23 x^6 - 25 x^5 - 27 x^4 + x^3 + x^2 + x$$

$$+ 1) \Big/ ((x - 1) (1 + x) (x^2 + 1) (x^4 + 5 x^2 - 1) (x^4 - 5 x^2 - 1))$$

Sequence: A092270
Score: 11.6150
Type of gen. func.: ogf

$$-\frac{18 x^3 + 4 x^2 - 2 x - 1}{(-1 + 3 x) (2 x + 1) (-1 + 2 x) (3 x + 1)}$$

Sequence: A092270
Score: 7.83921
Type of gen. func.: lgdogf

$$-\frac{2 (324 x^6 + 144 x^5 + 9 x^4 - 72 x^3 - 14 x^2 + 9 x + 1)}{(-1 + 3 x) (2 x + 1) (-1 + 2 x) (3 x + 1) (18 x^3 + 4 x^2 - 2 x - 1)}$$

Sequence: A092270
Score: 9.63192
Type of gen. func.: ogf

$$36 f(x) x^4 - 13 f(x) x^2 + 18 x^3 + 4 x^2 + f(x) - 2 x - 1$$

Sequence: A092277
Score: 14.4252
Type of gen. func.: ogf

$$-\frac{2 x (3 x + 4)}{(x - 1)^3}$$

Sequence: A092277
Score: 33.7841
Type of gen. func.: lgdogf

$$-\frac{3 (2 x + 5)}{(3 x + 4) (x - 1)}$$

Sequence: A092277
Score: 7.14991
Type of gen. func.: ogf

$$(15043 f(x) - 75702) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 6 x^2 - f(x) + 8 x)$$

Sequence: A092277
Score: 7.34142
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 8, a(2) = 30\}$$

Sequence: A092278
Score: 12.9414
Type of gen. func.: ogf

$$\frac{x^4 (x^{11} + x^6 + 1)}{(1 + x) (x^2 + 1) (x^8 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A092279
Score: 8.54441
Type of gen. func.: ogf

$$- \frac{4 x^{16} - x^{14} - x^{12} - x^{10} - x^7 - x^5 - x^3 - 5}{(1 + x) (x^2 + 1) (x^8 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A092286
Score: 10.2531
Type of gen. func.: ogf

$$\frac{x (3 x^2 - 8 x + 6)}{(x - 1)^4}$$

Sequence: A092286
Score: 20.4776
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^2-9\,x+8)}{(x-1)\,(3\,x^2-8\,x+6)}$$

Sequence: A092286
Score: 5.23412
Type of gen. func.: ogf

$$-(111\,f(x)-15167)$$

$$(f(x)\,x^4-4\,f(x)\,x^3+6\,f(x)\,x^2-3\,x^3-4\,f(x)\,x+8\,x^2+f(x)-6\,x)$$

Sequence: A092295
Score: 13.1284
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^4+x^3+x^2-x+1}{x-1}$$

Sequence: A092297
Score: 16.4161
Type of gen. func.: revogf

$$\frac{-6-x+(3\,x^2+4\,x+12)^{1/2}\,3^{1/2}}{4\,x}$$

Sequence: A092297
Score: 18.4693
Type of gen. func.: ogf

$$-\frac{6\,x}{(-1+2\,x)\,(1+x)}$$

Sequence: A092297
Score: 30.5937
Type of gen. func.: lgdogf

$$-\frac{4 x + 1}{(1 + x) (-1 + 2 x)}$$

Sequence: A092297
Score: 8.43659
Type of gen. func.: ogf

$$(f(x) + 6) (2 f(x) x^2 + f(x) x - f(x) + 6 x)$$

Sequence: A092297
Score: 8.43659
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 2 a(n), a(0) = 0, a(1) = 6\}$$

Sequence: A092312
Score: 2.38787
Type of gen. func.: ogf

$$(f(x) - 1)^2$$

Sequence: A092327
Score: 14.6542
Type of gen. func.: lgdogf

$$-\frac{10 x^3 - 51 x^2 + 92 x - 61}{(x - 1) (5 x^3 - 22 x^2 + 34 x - 19)}$$

Sequence: A092327
Score: 4.03176
Type of gen. func.: ogf

$$\{(-167 n^2 - 1805 n - 2942) a(n + 1) + (422 n^2 + 4480 n + 9060) a(n + 2)$$

$+ (-255 n^2 - 2323 n - 3626) a(n + 3), a(0) = 0, a(1) = 19, a(2) = 61\}$

Sequence: A092327
Score: 8.53532
Type of gen. func.: ogf

$$\frac{x (5 x^3 - 22 x^2 + 34 x - 19)}{(x - 1)^5}$$

Sequence: A092352
Score: 13.8225
Type of gen. func.: lgdogf

$$- \frac{15 x^5 + 6 x^4 + 6 x^3 + 17 x^2 + 2 x + 2}{(x - 1) (3 x^3 + 1) (x^2 + x + 1)}$$

Sequence: A092352
Score: 8.71130
Type of gen. func.: ogf

$$\frac{3 x^3 + 1}{(x^2 + x + 1)^2 (x - 1)^4}$$

Sequence: A092353
Score: 13.0695
Type of gen. func.: lgdogf

$$- \frac{5 x^5 + 2 x^4 + 2 x^3 + 11 x^2 + 2 x + 2}{(x - 1) (1 + x) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A092353
Score: 29.6921
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + 3 x^2 + 2$$

Sequence: A092353
Score: 8.92085
Type of gen. func.: ogf

$$\frac{(1 + x) (x^2 - x + 1)}{(x^2 + x + 1)^2 (x - 1)^4}$$

Sequence: A092364
Score: 23.0689
Type of gen. func.: lgdogf

$$- \frac{3 (x + 9) (1 + x)}{(x - 1) (x^2 + 7 x + 4)}$$

Sequence: A092364
Score: 3.74478
Type of gen. func.: ogf

{(12 + 4 n) a(n + 4) + (-21 + 3 n) a(n + 3) + (-36 - 6 n) a(n + 2)

+ (-n - 3) a(n + 1), a(0) = 0, a(1) = 4, a(2) = 27, a(3) = 96}

Sequence: A092364
Score: 9.02357
Type of gen. func.: ogf

$$- \frac{x (x^2 + 7 x + 4)}{(x - 1)^5}$$

Sequence: A092365
Score: 16.1258
Type of gen. func.: lgdogf

$$-\frac{4\,(x^3+6\,x^2+6\,x+2)}{(x-1)\,(2\,x^3+6\,x^2+3\,x+1)}$$

Sequence: A092365
Score: 4.24788
Type of gen. func.: ogf

$$\{(2\,n^2+12\,n+18)\,a(n+1)+(-n^2+6\,n+24)\,a(n+2)$$
$$+(-n^2-6\,n-9)\,a(n+3),\ a(0)=1,\ a(1)=8,\ a(2)=36\}$$

Sequence: A092365
Score: 8.69107
Type of gen. func.: ogf

$$-\frac{2\,x^3+6\,x^2+3\,x+1}{(x-1)^5}$$

Sequence: A092385
Score: 8.05969
Type of gen. func.: lgdogf

$$\frac{2\,(540\,x^8-1170\,x^7+630\,x^6+3\,x^4-7\,x^3+3\,x^2-3\,x+5)}{(x-1)\,(180\,x^8-180\,x^7+3\,x^4-2\,x^3+6\,x^2-6\,x-2)}$$

Sequence: A092385
Score: 9.23427
Type of gen. func.: ogf

$$-\frac{180\,x^8-180\,x^7+3\,x^4-2\,x^3+6\,x^2-6\,x-2}{(x-1)^2}$$

Sequence: A092387

Score: 10.5254
Type of gen. func.: lgdogf

$$-\frac{4 x^4 - 22 x^3 + 43 x^2 - 32 x + 9}{(x - 1) (x^2 - 3 x + 1) (4 x^2 - 11 x + 5)}$$

Sequence: A092387
Score: 10.7381
Type of gen. func.: ogf

$$-\frac{4 x^2 - 11 x + 5}{(x - 1) (x^2 - 3 x + 1)}$$

Sequence: A092387
Score: 5.45704
Type of gen. func.: ogf

$$-(1755 f(x) + 4099) (f(x) x^3 - 4 f(x) x^2 + 4 f(x) x + 4 x^2 - f(x) - 11 x + 5)$$

Sequence: A092387
Score: 5.89168
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 4 a(n + 1) + a(n), a(0) = 5, a(1) = 9, a(2) = 20\}$$

Sequence: A092396
Score: 3.33735
Type of gen. func.: ogf

$$\{(-n^3 - 8 n^2 - 21 n - 18) a(n + 1) + (n^3 + 12 n^2 + 48 n + 64) a(n + 2)$$
$$+ (-n - 2) a(n + 3) + (n + 4) a(n + 4), a(0) = 1, a(1) = -1, a(2) = -4,$$
$$a(3) = 9\}$$

Sequence: A092414
Score: 3.82440
Type of gen. func.: ogf

$$\frac{8 x^2 (1440 x^2 + 24 x - 1)}{(50 x - 1) (48 x - 1) (64 x - 1) (60 x - 1) (54 x - 1)}$$

Sequence: A092420
Score: 14.7222
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (x^2 - 9 x + 1)}$$

Sequence: A092420
Score: 16.5408
Type of gen. func.: lgdogf

$$- \frac{3 x^2 - 20 x + 10}{(x - 1) (x^2 - 9 x + 1)}$$

Sequence: A092420
Score: 4.94971
Type of gen. func.: ogf

$\{a(n + 3) - 10 a(n + 2) + 10 a(n + 1) - a(n), a(0) = 1, a(1) = 10, a(2) = 90\}$

Sequence: A092420
Score: 5.57442
Type of gen. func.: ogf

$$(226 f(x) - 1) (f(x) x^3 - 10 f(x) x^2 + 10 f(x) x - f(x) + 1)$$

Sequence: A092431
Score: 13.1096
Type of gen. func.: lgdogf

$$- \frac{80 x^3 - 118 x^2 + 56 x - 9}{}$$

$$(x - 1) (4 x - 1) (-1 + 2 x) (-2 + 5 x)$$

Sequence: A092431
Score: 13.5908
Type of gen. func.: ogf

$$\frac{-2 + 5 x}{(x - 1) (-1 + 2 x) (4 x - 1)}$$

Sequence: A092431
Score: 6.43776
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 8 a(n), a(0) = 2, a(1) = 9, a(2) = 35\}$$

Sequence: A092431
Score: 6.73306
Type of gen. func.: ogf

$$(243 f(x) - 2116) (8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x - f(x) - 5 x + 2)$$

Sequence: A092438
Score: 4.8142
Type of gen. func.: ogf

$$(17 f(x) - 5)$$

$$(6 f(x) x^4 - 5 f(x) x^3 - 5 f(x) x^2 + 6 x^3 + 5 f(x) x - 4 x^2 - f(x) + 2 x)$$

Sequence: A092438
Score: 8.14525
Type of gen. func.: lgdogf

$$- \frac{36 x^5 - 51 x^4 + 44 x^3 - 20 x^2 - 4 x + 3}{(x - 1) (-1 + 3 x) (-1 + 2 x) (1 + x) (3 x^2 - 2 x + 1)}$$

Sequence: A092438
Score: 8.83704
Type of gen. func.: ogf

$$-\frac{2 x (3 x^2 - 2 x + 1)}{(x - 1) (-1 + 3 x) (-1 + 2 x) (1 + x)}$$

Sequence: A092439
Score: 4.95606
Type of gen. func.: ogf

$$\frac{2 x^2 (6 x^4 - 26 x^3 + 25 x^2 - 12 x + 3)}{(1 + x) (-1 + 3 x) (-1 + 2 x)^2 (x - 1)^3}$$

Sequence: A092439
Score: 5.46925
Type of gen. func.: lgdogf

$$-\frac{108 x^7 - 594 x^6 + 726 x^5 - 389 x^4 + 76 x^3 + 80 x^2 - 70 x + 15}{(x - 1) (-1 + 3 x) (-1 + 2 x) (1 + x) (6 x^4 - 26 x^3 + 25 x^2 - 12 x + 3)}$$

Sequence: A092440
Score: 5.39084
Type of gen. func.: ogf

$\{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 5, a(2) = 25\}$

Sequence: A092440
Score: 5.43856
Type of gen. func.: ogf

$$(27 f(x) - 2) (8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x + 4 x^2 - f(x) - 2 x + 1)$$

Sequence: A092440
Score: 9.12143
Type of gen. func.: lgdogf

$$-\frac{32 x^4 - 32 x^3 + 24 x^2 - 20 x + 5}{(x - 1) (-1 + 2 x) (4 x - 1) (4 x^2 - 2 x + 1)}$$

Sequence: A092440
Score: 9.91219
Type of gen. func.: ogf

$$-\frac{4 x^2 - 2 x + 1}{(x - 1) (-1 + 2 x) (4 x - 1)}$$

Sequence: A092441
Score: 5.90664
Type of gen. func.: ogf

$$-\frac{8 x^4 - 2 x^2 + x - 1}{(4 x - 1) (-1 + 2 x)^2 (x - 1)^3}$$

Sequence: A092441
Score: 6.63871
Type of gen. func.: lgdogf

$$-\frac{2 (64 x^6 + 24 x^5 - 100 x^4 + 58 x^3 - 39 x^2 + 25 x - 5)}{(x - 1) (-1 + 2 x) (4 x - 1) (8 x^4 - 2 x^2 + x - 1)}$$

Sequence: A092442
Score: 10.4226
Type of gen. func.: lgdogf

$$-\frac{16 x^4 - 10 x^3 + 7 x^2 - 12 x + 5}{(-1 + 2 x) (x - 1) (4 x^3 - 3 x^2 + 2 x - 1)}$$

Sequence: A092442

Score: 7.24701
Type of gen. func.: ogf

$$\frac{x\,(4 x^3 - 3 x^2 + 2 x - 1)}{(-1 + 2 x)^2\,(x - 1)^3}$$

Sequence: A092443
Score: 3.22766
Type of gen. func.: ogf

$$\{(-8 n^2 - 36 n - 40) a(n + 1) + (6 n^2 + 38 n + 60) a(n + 2)$$
$$+ (-n^2 - 7 n - 12) a(n + 3), a(0) = 3, a(1) = 12, a(2) = 50\}$$

Sequence: A092443
Score: 3.43651
Type of gen. func.: ogf

$$64 f(x)^2 x^4 - 48 f(x)^2 x^3 + 12 f(x)^2 x^2 + 128 f(x) x^3 - f(x)^2 x - 96 f(x) x^2$$
$$+ 24 f(x) x + 64 x^2 - 2 f(x) - 39 x + 6$$

Sequence: A092444
Score: 4.7974
Type of gen. func.: ogf

$$(35 f(x) - 11) (f(x) x^3 - 12 f(x) x^2 + 12 f(x) x + 7 x^2 - f(x) - 11 x + 1)$$

Sequence: A092444
Score: 4.88157
Type of gen. func.: ogf

$$\{-a(n + 3) + 12 a(n + 2) - 12 a(n + 1) + a(n), a(0) = 1, a(1) = 1, a(2) = 7\}$$

Sequence: A092444
Score: 8.64637
Type of gen. func.: lgdogf

$$-\frac{7x^4 - 22x^3 + 51x^2 - 10x + 1}{(x-1)(7x^2 - 11x + 1)(x^2 - 11x + 1)}$$

Sequence: A092444
Score: 8.69530
Type of gen. func.: ogf

$$-\frac{7x^2 - 11x + 1}{(x-1)(x^2 - 11x + 1)}$$

Sequence: A092451
Score: 16.1180
Type of gen. func.: lgdogf

$$\frac{2(9x^{20} - 10x^{19} - 4x^{10} + 5x^9 - 2)}{(x-1)(x^{20} - x^{10} + 2)}$$

Sequence: A092464
Score: 13.8578
Type of gen. func.: ogf

$$\frac{4x^2 + 5x + 4}{(1+x)(x-1)^2}$$

Sequence: A092464
Score: 17.2755
Type of gen. func.: lgdogf

$$-\frac{4x^3 + 14x^2 + 25x + 9}{(x-1)(1+x)(4x^2 + 5x + 4)}$$

Sequence: A092464
Score: 7.41512
Type of gen. func.: ogf

$$(11 f(x) - 177) (f(x) x^3 - f(x) x^2 - f(x) x - 4 x^2 + f(x) - 5 x - 4)$$

Sequence: A092464
Score: 7.48074
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 4, a(1) = 9, a(2) = 17\}$$

Sequence: A092467
Score: 10.8478
Type of gen. func.: lgdogf

$$- \frac{16 x^3 - 24 x^2 + 10 x - 3}{(-1 + 2 x) (8 x^3 - 12 x^2 + 7 x - 1)}$$

Sequence: A092467
Score: 5.15174
Type of gen. func.: ogf

$$(29 f(x) - 19) (8 f(x) x^3 - 12 f(x) x^2 + 7 f(x) x + 4 x^2 - f(x) - 4 x + 1)$$

Sequence: A092467
Score: 5.15174
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 12 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 3, a(2) = 13\}$$

Sequence: A092467
Score: 9.47255
Type of gen. func.: ogf

$$- \frac{(-1 + 2 x)^2}{8 x^3 - 12 x^2 + 7 x - 1}$$

Sequence: A092472
Score: 3.8596
Type of gen. func.: ogf

$$-648 f(x)^2 x^3 + 225 f(x)^2 x^2 - 26 f(x)^2 x + 72 f(x) x^2 + f(x)^2 - 17 f(x) x - 81 x^2 + f(x) + 25 x - 2$$

Sequence: A092474
Score: 3.18982
Type of gen. func.: ogf

$$-\frac{126 x^8 + 30 x^6 + 4 x^2 + 3}{x - 1}$$

Sequence: A092476
Score: 11.5610
Type of gen. func.: lgdogf

$$-\frac{4 x^5 + 16 x^4 + 16 x^3 + 24 x^2 + 15 x + 3}{(x - 1) (x^2 + x + 1) (4 x^3 + 6 x^2 + 2 x + 1)}$$

Sequence: A092476
Score: 12.2990
Type of gen. func.: ogf

$$\frac{4 x^3 + 6 x^2 + 2 x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A092476
Score: 5.14322
Type of gen. func.: ogf

$\{(n + 3) a(n + 1) + a(n + 2) + a(n + 3) + (-n - 2) a(n + 4), a(0) = 1, a(1) = 3,$

$a(2) = 9, a(3) = 14\}$

Sequence: A092476
Score: 7.07194
Type of gen. func.: ogf

$$(f(x) - 36) (f(x) x^4 - f(x) x^3 - 4 x^3 - f(x) x - 6 x^2 + f(x) - 2 x - 1)$$

Sequence: A092486
Score: 13.0160
Type of gen. func.: ogf

$$\frac{3 x^2 - 4 x + 3}{(x - 1)^2 (x^2 + 1)}$$

Sequence: A092486
Score: 15.7320
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^4 - 6 x^3 + 8 x^2 - 2 x + 1)}{(x - 1) (x^2 + 1) (3 x^2 - 4 x + 3)}$$

Sequence: A092486
Score: 4.58215
Type of gen. func.: ogf

$\{(n + 4) a(n + 1) + (-n - 3) a(n + 2) + (n + 4) a(n + 3) + (-n - 3) a(n + 4),$

$a(0) = 3, a(1) = 2, a(2) = 1, a(3) = 4\}$

Sequence: A092486
Score: 6.65259
Type of gen. func.: ogf

$-(29 f(x) + 74)$

$$(f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - 2 f(x) x - 3 x^2 + f(x) + 4 x - 3)$$

Sequence: A092489
Score: 5.26308
Type of gen. func.: lgdogf

$$-\frac{2 x^{9} - x^{8} - 12 x^{7} + 9 x^{6} - 8 x^{5} - 20 x^{4} + 44 x^{3} - 40 x^{2} + 20 x - 4}{(x^{4} + x^{3} - x^{2} + 2 x - 1) (x^{6} - 4 x^{5} - 4 x^{4} + 9 x^{3} - 11 x^{2} + 6 x - 1)}$$

Sequence: A092489
Score: 5.65725
Type of gen. func.: ogf

$$\frac{x^{2} (x^{4} + x^{3} - x^{2} + 2 x - 1)}{x^{6} - 4 x^{5} - 4 x^{4} + 9 x^{3} - 11 x^{2} + 6 x - 1}$$

Sequence: A092490
Score: 6.03724
Type of gen. func.: lgdogf

$$-\frac{3 x^{8} - 4 x^{7} - 21 x^{6} + 14 x^{5} + 12 x^{4} - 46 x^{3} + 35 x^{2} - 20 x + 5}{(x^{3} + x^{2} - x + 1) (x^{6} - 4 x^{5} - 4 x^{4} + 9 x^{3} - 11 x^{2} + 6 x - 1)}$$

Sequence: A092490
Score: 6.36549
Type of gen. func.: ogf

$$-\frac{x^{3} (x^{3} + x^{2} - x + 1)}{x^{6} - 4 x^{5} - 4 x^{4} + 9 x^{3} - 11 x^{2} + 6 x - 1}$$

Sequence: A092491
Score: 10.0976
Type of gen. func.: ogf

$$x^{4}$$

$$-\frac{}{x^6 - 4 x^5 - 4 x^4 + 9 x^3 - 11 x^2 + 6 x - 1}$$

Sequence: A092491
Score: 9.12932
Type of gen. func.: lgdogf

$$-\frac{6 x^5 - 20 x^4 - 16 x^3 + 27 x^2 - 22 x + 6}{x^6 - 4 x^5 - 4 x^4 + 9 x^3 - 11 x^2 + 6 x - 1}$$

Sequence: A092492
Score: 7.75262
Type of gen. func.: ogf

$$\frac{x^5 (x - 1)}{x^6 - 4 x^5 - 4 x^4 + 9 x^3 - 11 x^2 + 6 x - 1}$$

Sequence: A092492
Score: 7.79178
Type of gen. func.: lgdogf

$$-\frac{5 x^6 - 22 x^5 + 8 x^4 + 34 x^3 - 38 x^2 + 22 x - 5}{(x - 1) (x^6 - 4 x^5 - 4 x^4 + 9 x^3 - 11 x^2 + 6 x - 1)}$$

Sequence: A092493
Score: 7.26502
Type of gen. func.: ogf

$$-\frac{x^4 + x^3 - x^2 + 2 x - 1}{x^5 - x^4 - 3 x^3 + 4 x^2 - 4 x + 1}$$

Sequence: A092493
Score: 7.44341
Type of gen. func.: lgdogf

$$-\frac{x^8+2x^7-x^6+2x^5-4x^3+10x^2-6x+2}{(x^4+x^3-x^2+2x-1)(x^5-x^4-3x^3+4x^2-4x+1)}$$

Sequence: A092498
Score: 14.1581
Type of gen. func.: lgdogf

$$-\frac{8x^4+11x^3+15x^2+10x+4}{(x-1)(x^2+x+1)(2x^2+x+1)}$$

Sequence: A092498
Score: 9.67340
Type of gen. func.: ogf

$$\frac{2x^2+x+1}{(x^2+x+1)(x-1)^4}$$

Sequence: A092499
Score: 11.2712
Type of gen. func.: revogf

$$-\frac{-21x-1+(19x+1)^{1/2}(23x+1)^{1/2}}{2x}$$

Sequence: A092499
Score: 15.4993
Type of gen. func.: ogf

$$\frac{x}{x^2-21x+1}$$

Sequence: A092499

Score: 22.5425
Type of gen. func.: lgdogf

$$-\frac{-21 + 2 x}{x^{2} - 21 x + 1}$$

Sequence: A092499
Score: 6.42655
Type of gen. func.: ogf

$$\{a(n + 2) - 21 a(n + 1) + a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A092499
Score: 8.78296
Type of gen. func.: ogf

$$-f(x) x^{2} + 21 f(x) x - f(x) + x$$

Sequence: A092508
Score: 5.45453
Type of gen. func.: ogf

$$\frac{x^{12} - x^{6} + 1}{(x^{4} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1)^{2} (1 + x)^{3} (x - 1)^{4}}$$

Sequence: A092521
Score: 15.6264
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (x^{2} - 7 x + 1)}$$

Sequence: A092521
Score: 17.1574
Type of gen. func.: lgdogf

2

$$-\frac{3 x - 16 x + 8}{(x - 1) (x^{2} - 7 x + 1)}$$

Sequence: A092521
Score: 5.11660
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 8 a(n + 1) - a(n), a(0) = 1, a(1) = 8, a(2) = 56\}$$

Sequence: A092521
Score: 5.61336
Type of gen. func.: ogf

$$(1131 f(x) - 11) (f(x) x^{3} - 8 f(x) x^{2} + 8 f(x) x - f(x) + 1)$$

Sequence: A092530
Score: 15.6549
Type of gen. func.: lgdogf

$$-\frac{2 (x^{4} - x^{3} - 3 x^{2} - 7 x - 2)}{(x - 1) (1 + x) (x^{3} - x^{2} - 2 x - 2)}$$

Sequence: A092530
Score: 9.45702
Type of gen. func.: ogf

$$\frac{x (x^{3} - x^{2} - 2 x - 2)}{(1 + x)^{2} (x - 1)^{3}}$$

Sequence: A092531
Score: 4.93157
Type of gen. func.: ogf

```
                  8    6    4    2
                 x  - x  + x  - x  + 1
            ------------------------------------
              4         2     2         3        4
```

$$(x + 1) (x + 1) (1 + x) (x - 1)$$

Sequence: A092531
Score: 7.63656
Type of gen. func.: lgdogf

$$-(7 x^{15} + x^{14} - 6 x^{13} + 15 x^{11} + x^{10} - 14 x^9 + 24 x^7 - 7 x^5 + x^4 + 8 x^3 + x + 1) \Big/ ((x - 1) (1 + x) (x^2 + 1) (x^4 + 1) (x^8 - x^6 + x^4 - x^2 + 1))$$

Sequence: A092532
Score: 12.4148
Type of gen. func.: ogf

$$-\frac{1}{(x^4 + 1) (1 + x)^2 (x^2 + 1)^2 (x - 1)^3}$$

Sequence: A092532
Score: 14.5045
Type of gen. func.: lgdogf

$$-\frac{13 x^7 + x^6 + x^5 + x^4 + 5 x^3 + x^2 + x + 1}{(x^4 + 1) (x^2 + 1) (x - 1) (1 + x)}$$

Sequence: A092532
Score: 32.0090
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 + x^3 + 1$$

Sequence: A092533
Score: 13.2568
Type of gen. func.: lgdogf

$$\frac{3 x^{11} - x^{10} - x^9 - x^8 - 8 x^7 - 5 x^3 - x^2 - x - 1}{}$$

$$(x - 1) (1 + x) (x^2 + 1) (x^8 + 1)$$

Sequence: A092533
Score: 16.5861
Type of gen. func.: ogf

$$\frac{x^8 + 1}{(1 + x) (x^2 + 1) (x - 1)^2}$$

Sequence: A092533
Score: 24.8054
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{15} + x^7 + x^3 + 1$$

Sequence: A092534
Score: 10.2765
Type of gen. func.: ogf

$$- \frac{(x^2 - x + 1) (x^4 + 1)}{(1 + x) (x - 1)^3}$$

Sequence: A092534
Score: 11.9083
Type of gen. func.: lgdogf

$$\frac{2 x^7 - 3 x^6 - 4 x^5 + 3 x^4 - 6 x^3 + x^2 - 4 x - 1}{(x - 1) (1 + x) (x^2 - x + 1) (x^4 + 1)}$$

Sequence: A092534
Score: 17.7468
Type of gen. func.: ogf_with_Euler_transform]

$$-x^7 - x^5 + x^3 + x^2 + 2 x + 1$$

Sequence: A092535
Score: 13.3312
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1)\,(x^2 + 1)}{(x - 1)^2}$$

Sequence: A092535
Score: 18.0595
Type of gen. func.: lgdogf

$$\frac{2\,x^4 - 5\,x^3 + 3\,x^2 - 3\,x - 1}{(x - 1)\,(x^2 + 1)\,(x^2 - x + 1)}$$

Sequence: A092535
Score: 22.3566
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 - x^3 + x^2 + 2\,x + 1$$

Sequence: A092535
Score: 7.30042
Type of gen. func.: ogf

{-a(n + 5) + 2 a(n + 4) - a(n + 3), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 4,

a(4) = 6}

Sequence: A092535
Score: 8.06888
Type of gen. func.: ogf

$$-(3\,f(x) + 10)\,(-x^4 + f(x)\,x^2 + x^3 - 2\,f(x)\,x - 2\,x^2 + f(x) + x - 1)$$

Sequence: A092550
Score: 12.1428
Type of gen. func.: ogf

$$-\frac{x^4 + x^2 + x + 1}{x^6 + 2 x^3 - 1}$$

Sequence: A092550
Score: 9.92154
Type of gen. func.: lgdogf

$$-\frac{2 x^9 + 4 x^7 + 3 x^6 + 6 x^5 + 2 x^4 + 8 x^3 + 6 x^2 + 2 x + 1}{(x^4 + x^2 + x + 1) (x^6 + 2 x^3 - 1)}$$

Sequence: A092563
Score: 4.64531
Type of gen. func.: ogf

$$\{(-8 n^2 - 24 n - 18) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A092566
Score: 5.09587
Type of gen. func.: ogf

$$-27 f(x)^3 x^4 + 14 f(x)^3 x^3 - 9 f(x)^3 x^2 - 14 f(x)^3 x + 5 f(x)^3 + 3 f(x) x - 4 f(x) - 1$$

Sequence: A092690
Score: 17.1711
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^2 - x - 1)}{(-1 + 3 x) (-1 + 2 x) (1 + x)}$$

Sequence: A092690
Score: 3.39457
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-14 - 4 n) a(n + 3) + n a(n + 2) + (12 + 6 n) a(n + 1),$$
$$a(0) = 1, a(1) = 2, a(2) = 7, a(3) = 22\}$$

Sequence: A092690
Score: 6.82485
Type of gen. func.: ogf

$$27 f(x)^2 x^4 - 18 f(x)^2 x^2 + 8 f(x)^2 x - f(x)^2 + 4 x^2 - 4 x + 1$$

Sequence: A092691
Score: 3.61668
Type of gen. func.: egf]

$$\{(n + 2) a(n + 1) + (-n - 2) a(n + 2) + (-n - 4) a(n + 3) + (n + 4) a(n + 4),$$
$$a(0) = 0, a(1) = 0, a(2) = 1/2, a(3) = 1/2\}$$

Sequence: A092749
Score: 6.09690
Type of gen. func.: ogf

$$- \frac{24 x^{16} + 6 x^{10} + 6 x^4 + 2 x^2 + x + 2}{x - 1}$$

Sequence: A092765
Score: 10.4996
Type of gen. func.: lgdogf

$$-16 x - 36 x^2 + (-144 x^3 + 4 x^2 + 2) f(x)$$
$$+ (-144 x^4 + 8 x^3 + 23 x^2 - 4 x) f(x)^2$$

Sequence: A092794
Score: 10.9344
Type of gen. func.: lgdogf

$$-\frac{1280 x^3 + 112 x^2 - 184 x + 21}{(4 x - 1) (8 x - 1) (4 x + 1) (5 x - 1)}$$

Sequence: A092794
Score: 11.7201
Type of gen. func.: ogf

$$-\frac{4 x + 1}{(4 x - 1) (8 x - 1) (5 x - 1)}$$

Sequence: A092794
Score: 5.61385
Type of gen. func.: ogf

$(1052943 f(x) - 1059760)$

$(160 f(x) x^3 - 92 f(x) x^2 + 17 f(x) x - f(x) + 4 x + 1)$

Sequence: A092794
Score: 5.61385
Type of gen. func.: ogf

$\{a(n + 3) - 17 a(n + 2) + 92 a(n + 1) - 160 a(n), a(0) = 1, a(1) = 21,$

$a(2) = 265\}$

Sequence: A092795
Score: 6.50334
Type of gen. func.: ogf

$$\frac{318 x^3 + 187 x^2 - 24 x - 1}{(9 x - 1) (6 x - 1) (7 x - 1) (5 x - 1) (16 x - 1)}$$

Sequence: A092796
Score: 3.78975
Type of gen. func.: ogf

$$132960 x^5 + 145292 x^4 - 17528 x^3 - 1227 x^2 + 122 x + 1$$

$$-\frac{}{(10x-1)(6x-1)(11x-1)(32x-1)(8x-1)(17x-1)(7x-1)}$$

Sequence: A092803
Score: 12.3766
Type of gen. func.: ogf

$$-\frac{5x-1}{(6x-1)(-1+2x)}$$

Sequence: A092803
Score: 12.9569
Type of gen. func.: revogf

$$-\frac{-1-8x+(16x^2-4x+1)^{1/2}}{2(5+12x)}$$

Sequence: A092803
Score: 13.5890
Type of gen. func.: lgdogf

$$-\frac{3(20x^2-8x+1)}{(6x-1)(-1+2x)(5x-1)}$$

Sequence: A092803
Score: 6.32584
Type of gen. func.: ogf

$$-(4f(x)+5)(12f(x)x^2-8f(x)x+f(x)+5x-1)$$

Sequence: A092803
Score: 6.85934
Type of gen. func.: ogf

$$\{a(n+2)-8a(n+1)+12a(n),\ a(0)=1,\ a(1)=3\}$$

Sequence: A092804
Score: 10.3209
Type of gen. func.: lgdogf

$$-\frac{10\,(2000\,x^3 + 300\,x^2 + 1)}{(10\,x + 1)\,(10\,x - 1)\,(100\,x^2 + 10\,x + 1)}$$

Sequence: A092804
Score: 13.3258
Type of gen. func.: ogf

$$-\frac{10\,x + 1}{(10\,x - 1)\,(100\,x^2 + 10\,x + 1)}$$

Sequence: A092804
Score: 7.59066
Type of gen. func.: ogf

$$\{-a(n + 3) + 1000\,a(n),\ a(0) = 1,\ a(1) = 10,\ a(2) = 0\}$$

Sequence: A092804
Score: 8.44595
Type of gen. func.: ogf

$$(f(x) - 3)\,(1000\,f(x)\,x^3 - f(x) + 10\,x + 1)$$

Sequence: A092805
Score: 4.37081
Type of gen. func.: ogf

$$(40040053\,f(x) + 1360030)$$

$$(1000\,f(x)\,x^4 - 1000\,f(x)\,x^3 - f(x)\,x + f(x) - 10\,x - 1)$$

Sequence: A092805
Score: 6.92168
Type of gen. func.: lgdogf

$$-\frac{30000 x^4 - 16000 x^3 - 3000 x^2 - 11}{(x - 1) (10 x + 1) (10 x - 1) (100 x^2 + 10 x + 1)}$$

Sequence: A092805
Score: 8.96015
Type of gen. func.: ogf

$$\frac{10 x + 1}{(10 x - 1) (x - 1) (100 x^2 + 10 x + 1)}$$

Sequence: A092806
Score: 10.8127
Type of gen. func.: ogf

$$\frac{(9 x + 1) (x - 1)}{(11 x - 1) (91 x^2 + 8 x + 1)}$$

Sequence: A092806
Score: 5.62613
Type of gen. func.: ogf

$(70810 f(x) - 325107)$

$(1001 f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 9 x^2 - f(x) + 8 x + 1)$

Sequence: A092806
Score: 5.91465
Type of gen. func.: ogf

$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + 1001 a(n), a(0) = 1, a(1) = 11,$

$a(2) = 21\}$

Sequence: A092806
Score: 8.83157
Type of gen. func.: lgdogf

4 3 2

$$-\frac{9009 x - 16016 x - 3006 x + 24 x - 11}{(x - 1) (11 x - 1) (9 x + 1) (91 x^2 + 8 x + 1)}$$

Sequence: A092807
Score: 10.3739
Type of gen. func.: ogf

$$\frac{4 x^2 - 6 x + 1}{(6 x - 1) (-1 + 2 x)}$$

Sequence: A092807
Score: 11.9133
Type of gen. func.: lgdogf

$$\frac{2 (20 x^2 - 8 x + 1)}{(-1 + 2 x) (6 x - 1) (4 x^2 - 6 x + 1)}$$

Sequence: A092807
Score: 5.43876
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 12 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 8\}$$

Sequence: A092807
Score: 7.78045
Type of gen. func.: ogf

$$-12 f(x) x^2 + 8 f(x) x + 4 x^2 - f(x) - 6 x + 1$$

Sequence: A092808
Score: 12.0243
Type of gen. func.: ogf

$$\frac{x^2 - x - 1}{(2 x + 1) (-1 + 2 x) (1 + x)}$$

Sequence: A092808
Score: 12.9090
Type of gen. func.: lgdogf

$$-\frac{x\left(4x^{3}-8x^{2}-15x-6\right)}{(2x+1)(-1+2x)(1+x)\left(x^{2}-x-1\right)}$$

Sequence: A092808
Score: 6.16372
Type of gen. func.: ogf

$$-(484 f(x)+245)\left(4 f(x) x^{3}+4 f(x) x^{2}-f(x) x-x^{2}-f(x)+x+1\right)$$

Sequence: A092808
Score: 6.60795
Type of gen. func.: ogf

$$\{a(n+3)+a(n+2)-4 a(n+1)-4 a(n), a(0)=1, a(1)=0, a(2)=3\}$$

Sequence: A092809
Score: 10.0039
Type of gen. func.: lgdogf

$$-\frac{8x^{5}-12x^{4}-16x^{3}+5x^{2}+8x+1}{(x-1)(2x+1)(-1+2x)(1+x)\left(x^{2}-x-1\right)}$$

Sequence: A092809
Score: 13.6724
Type of gen. func.: ogf

$$-\frac{x^{2}-x-1}{(x-1)(2x+1)(-1+2x)(1+x)}$$

Sequence: A092809
Score: 7.9523
Type of gen. func.: ogf

$$-(2 f(x) + 55) (4 f(x) x^4 - 5 f(x) x^2 + x^2 + f(x) - x - 1)$$

Sequence: A092810
Score: 15.7639
Type of gen. func.: ogf

$$-9 f(x) x + f(x) + 3 x - 1$$

Sequence: A092810
Score: 16.4542
Type of gen. func.: revogf

$$1/6 + \frac{3 x}{2} - \frac{(81 x^2 + 6 x + 1)^{1/2}}{6}$$

Sequence: A092810
Score: 19.1722
Type of gen. func.: ogf

$$\frac{-1 + 3 x}{9 x - 1}$$

Sequence: A092810
Score: 32.9084
Type of gen. func.: lgdogf

$$\frac{6}{(9 x - 1) (-1 + 3 x)}$$

Sequence: A092810
Score: 9.85240
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 6\}$$

Sequence: A092811
Score: 13.3144
Type of gen. func.: ogf

$$-8 f(x) x + f(x) + 4 x - 1$$

Sequence: A092811
Score: 16.1931
Type of gen. func.: ogf

$$\frac{4 x - 1}{8 x - 1}$$

Sequence: A092811
Score: 22.5832
Type of gen. func.: revogf

$$1/8 + x - \frac{(64 x^2 + 1)^{1/2}}{8}$$

Sequence: A092811
Score: 34.5390
Type of gen. func.: lgdogf

$$\frac{4}{(8 x - 1) (4 x - 1)}$$

Sequence: A092811
Score: 8.32147
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 4\}$$

Sequence: A092812
Score: 4.80296
Type of gen. func.: ogf

$$\{a(n + 3) - 20 a(n + 2) + 64 a(n + 1), a(0) = 1, a(1) = 4, a(2) = 40\}$$

Sequence: A092812
Score: 4.89623
Type of gen. func.: ogf

$$-(-13 + 45 f(x)) (64 f(x) x^2 - 20 f(x) x - 24 x^2 + f(x) + 16 x - 1)$$

Sequence: A092812
Score: 8.84756
Type of gen. func.: ogf

$$\frac{24 x^2 - 16 x + 1}{(16 x - 1) (4 x - 1)}$$

Sequence: A092812
Score: 9.66625
Type of gen. func.: lgdogf

$$\frac{4 (136 x^2 - 20 x + 1)}{(4 x - 1) (16 x - 1) (24 x^2 - 16 x + 1)}$$

Sequence: A092833
Score: 15.3736
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{24} + x^{22} + 1}{x^2 - 1}$$

Sequence: A092841
Score: 10.7614
Type of gen. func.: lgdogf

$$-\frac{16 x^3 + 24 x^2 - 42 x + 11}{(x - 1) (2 x + 1) (-1 + 2 x) (4 x - 1)}$$

Sequence: A092841
Score: 5.11621
Type of gen. func.: ogf

$$(603 f(x) - 616) (8 f(x) x^{3} - 14 f(x) x^{2} + 7 f(x) x + 4 x^{2} - f(x) + 4 x + 1)$$

Sequence: A092841
Score: 5.16070
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 11, a(2) = 67\}$$

Sequence: A092841
Score: 9.57226
Type of gen. func.: ogf

$$- \frac{(2 x + 1)^{2}}{(x - 1) (-1 + 2 x) (4 x - 1)}$$

Sequence: A092846
Score: 18.2111
Type of gen. func.: lgdegf]

$$1331 - 363 f(x) + 33 f(x)^{2} - f(x)^{3}$$

Sequence: A092848
Score: 16.5319
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^{2} + 1}{x^{4} + x^{2} + 1}$$

Sequence: A092869
Score: 18.3950
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^2 - 1}{-x^4 - 1}$$

Sequence: A092870
Score: 3.19105
Type of gen. func.: ogf

$$\{(-1728 n^2 - 4320 n - 2652) a(n + 1) + (n^2 + 4 n + 4) a(n + 2), a(0) = 1, a(1) = 60\}$$

Sequence: A092880
Score: 10.1300
Type of gen. func.: ogf

$$- \frac{14 x^2 - 7 x + 1}{(-1 + 3 x) (-1 + 2 x) (4 x - 1)}$$

Sequence: A092880
Score: 5.68704
Type of gen. func.: ogf

$$(f(x) - 1) (24 f(x) x^3 - 26 f(x) x^2 + 9 f(x) x + 14 x^2 - f(x) - 7 x + 1)$$

Sequence: A092880
Score: 5.68704
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 26 a(n + 1) - 24 a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A092880
Score: 8.70699
Type of gen. func.: lgdogf

$$- \frac{2 (168 x^4 - 168 x^3 + 64 x^2 - 12 x + 1)}{}$$

$$(-1 + 3 x) (-1 + 2 x) (4 x - 1) (14 x^2 - 7 x + 1)$$

Sequence: A092881
Score: 4.33940
Type of gen. func.: ogf

$$-\frac{4752 x^5 - 3852 x^4 + 1396 x^3 - 269 x^2 + 26 x - 1}{(6 x - 1) (4 x - 1) (-1 + 3 x) (-1 + 2 x) (8 x - 1) (5 x - 1)}$$

Sequence: A092886
Score: 12.7513
Type of gen. func.: ogf

$$\frac{x}{x^4 - x^3 - 2 x^2 - x + 1}$$

Sequence: A092886
Score: 15.8434
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 3 x^2 - 4 x - 1}{x^4 - x^3 - 2 x^2 - x + 1}$$

Sequence: A092886
Score: 5.58528
Type of gen. func.: ogf

$$-(2 f(x) + 3) (f(x) x^4 - f(x) x^3 - 2 f(x) x^2 - f(x) x + f(x) - x)$$

Sequence: A092896
Score: 11.1842
Type of gen. func.: lgdogf

```
                 4       3       2
             16 x  - 40 x  + 16 x  - 1
     -----------------------------------------
                              3      2
```

$$(x - 1) (4 x - 1) (4 x - 4 x + 4 x - 1)$$

Sequence: A092896
Score: 12.0176
Type of gen. func.: ogf

$$- \frac{4 x^3 - 4 x^2 + 4 x - 1}{(4 x - 1) (x - 1)}$$

Sequence: A092896
Score: 6.37454
Type of gen. func.: ogf

$$\{-a(n + 4) + 5 a(n + 3) - 4 a(n + 2), a(0) = 1, a(1) = 1, a(2) = 5, a(3) = 17\}$$

Sequence: A092896
Score: 6.91577
Type of gen. func.: ogf

$$-(27 f(x) - 7) (4 f(x) x^2 + 4 x^3 - 5 f(x) x - 4 x^2 + f(x) + 4 x - 1)$$

Sequence: A092897
Score: 11.7317
Type of gen. func.: ogf

$$\frac{3 x^3 + x^2 + x - 1}{(-1 + 3 x) (1 + x)^2}$$

Sequence: A092897
Score: 13.4639
Type of gen. func.: lgdogf

$$\frac{4 x (3 x^2 - 3 x + 2)}{(-1 + 3 x) (1 + x) (3 x^3 + x^2 + x - 1)}$$

Sequence: A092897
Score: 6.17928
Type of gen. func.: ogf

{-a(n + 4) + a(n + 3) + 5 a(n + 2) + 3 a(n + 1), a(0) = 1, a(1) = 0, a(2) = 4,

a(3) = 4}

Sequence: A092897
Score: 8.34521
Type of gen. func.: ogf

$$3 f(x) x^3 + 5 f(x) x^2 - 3 x^3 + f(x) x - x^2 - f(x) - x + 1$$

Sequence: A092898
Score: 12.3897
Type of gen. func.: ogf

$$\frac{4 x^3 - 4 x^2 + 4 x - 1}{4 x - 1}$$

Sequence: A092898
Score: 14.3777
Type of gen. func.: lgdogf

$$\frac{4 x (8 x^2 - 7 x + 2)}{(4 x - 1) (4 x^3 - 4 x^2 + 4 x - 1)}$$

Sequence: A092898
Score: 6.84012
Type of gen. func.: ogf

{-a(n + 4) + 4 a(n + 3), a(0) = 1, a(1) = 0, a(2) = 4, a(3) = 12}

Sequence: A092898
Score: 7.54771
Type of gen. func.: ogf

$$-(f(x) - 1) (-4 x^3 + 4 f(x) x + 4 x^2 - f(x) - 4 x + 1)$$

Sequence: A092899
Score: 12.3049
Type of gen. func.: ogf

$$\frac{(2 x + 1) (3 x^2 + 1)}{(1 + x) (x - 1)^2}$$

Sequence: A092899
Score: 16.0167
Type of gen. func.: lgdogf

$$- \frac{9 x^3 + 25 x^2 + 11 x + 3}{(x - 1) (2 x + 1) (1 + x) (3 x^2 + 1)}$$

Sequence: A092899
Score: 6.38376
Type of gen. func.: ogf

$\{a(n + 4) - a(n + 3) - a(n + 2) + a(n + 1), a(0) = 1, a(1) = 3, a(2) = 7,$

$a(3) = 15\}$

Sequence: A092899
Score: 6.79233
Type of gen. func.: ogf

$$-(-53 + 84 f(x)) (f(x) x^3 - f(x) x^2 - 6 x^3 - f(x) x - 3 x^2 + f(x) - 2 x - 1)$$

Sequence: A092900
Score: 10.4630
Type of gen. func.: ogf

$$\frac{2 x^3 - 9 x^2 + 1}{}$$

$$(x - 1) (1 + x) (10 x^2 - 1)$$

Sequence: A092900
Score: 6.39968
Type of gen. func.: ogf

$$-(f(x) - 1) (10 f(x) x^4 - 11 f(x) x^2 - 2 x^3 + 9 x^2 + f(x) - 1)$$

Sequence: A092900
Score: 8.11601
Type of gen. func.: lgdogf

$$- \frac{2 x (10 x^5 - 90 x^4 + 11 x^3 + 20 x^2 - 3 x - 2)}{(x - 1) (1 + x) (10 x^2 - 1) (2 x^3 - 9 x^2 + 1)}$$

Sequence: A092907
Score: 6.87471
Type of gen. func.: ogf_with_Euler_transform]

$$-90 x^9 + 90 x^8 + 2$$

Sequence: A092936
Score: 10.0375
Type of gen. func.: ogf

$$- \frac{x - 1}{(1 + x) (x^2 - 11 x + 1)}$$

Sequence: A092936
Score: 11.5000
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 13 x^2 + 20 x + 9}{(x - 1) (1 + x) (x^2 - 11 x + 1)}$$

Sequence: A092936
Score: 4.75915
Type of gen. func.: ogf

$$\{-a(n + 3) + 10 a(n + 2) + 10 a(n + 1) - a(n), a(0) = 1, a(1) = 9, a(2) = 100\}$$

Sequence: A092936
Score: 4.8855
Type of gen. func.: ogf

$$(470871 f(x) - 6803) (f(x) x^3 - 10 f(x) x^2 - 10 f(x) x + f(x) + x - 1)$$

Sequence: A092942
Score: 8.27513
Type of gen. func.: ogf

$$-\frac{x (1 + x) (x^3 - 2 x^2 - 1)}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A092956
Score: 10.3884
Type of gen. func.: revegf]

$$\frac{(x^2 + 6 x + 1)^{1/2} x + (x^2 + 6 x + 1)^{1/2} - 1 - 4 x + x^2}{8 x^2}$$

Sequence: A092956
Score: 4.60667
Type of gen. func.: ogf

$$\{(4 n^3 + 34 n^2 + 96 n + 90) a(n + 1) + (-n^2 - 6 n - 8) a(n + 2), a(0) = 1,$$

$$a(1) = 8\}$$

Sequence: A092966
Score: 10.7953
Type of gen. func.: ogf

$$\frac{x (x^2 + 12 x + 10)}{(x - 1)^4}$$

Sequence: A092966
Score: 22.1849
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + 19 x + 26)}{(x - 1) (x^2 + 12 x + 10)}$$

Sequence: A092966
Score: 3.96886
Type of gen. func.: ogf

$$\{(30 + 10 n) a(n + 4) + (-48 + 2 n) a(n + 3) + (-49 - 11 n) a(n + 2) + (-n - 2) a(n + 1), a(0) = 0, a(1) = 10, a(2) = 52, a(3) = 149\}$$

Sequence: A092966
Score: 5.39765
Type of gen. func.: ogf

$$(57963588 f(x) + 474473203) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 12 x^2 + f(x) - 10 x)$$

Sequence: A092984
Score: 9.81478
Type of gen. func.: ogf

$$\frac{x^{23} - x^{22} + x^{12} - x^{11} + x^7 - x^6 + x^5 - x^3 - 1}{x - 1}$$

Sequence: A093005
Score: 10.9308
Type of gen. func.: ogf

$$-\frac{2x^2+x+1}{(1+x)^2\,(x-1)^3}$$

Sequence: A093005
Score: 17.9504
Type of gen. func.: lgdogf

$$-\frac{2\,(3x^3+3x^2+5x+1)}{(x-1)\,(1+x)\,(2x^2+x+1)}$$

Sequence: A093031
Score: 10.1154
Type of gen. func.: ogf

$$-\frac{x\,(1+x)\,(2x^{21}-2x^{20}-2x^{15}+2x^{14}-2x^{13}+2x^{12}-2x^{11}-1)}{(x-1)^2}$$

Sequence: A093031
Score: 6.32484
Type of gen. func.: lgdogf

$$(40x^{22}-44x^{21}-36x^{20}+40x^{19}-28x^{16}+32x^{15}-18x^{11}+22x^{10}+x+3)\Big/\Big((x-1)\,(1+x)\,(2x^{21}-2x^{20}-2x^{15}+2x^{14}-2x^{13}+2x^{12}-2x^{11}-1)\Big)$$

Sequence: A093033
Score: 10.0701
Type of gen. func.: ogf

$$x^3+34x^2+55x+6$$

$$\frac{}{(x - 1)^{4}}$$

Sequence: A093033
Score: 16.2752
Type of gen. func.: lgdogf

$$- \frac{x^{3} + 71 x^{2} + 233 x + 79}{(x - 1) (x^{3} + 34 x^{2} + 55 x + 6)}$$

Sequence: A093033
Score: 5.0034
Type of gen. func.: ogf

$$(3006062592 f(x) + 121235215105)$$

$$(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - x^{3} - 4 f(x) x - 34 x^{2} + f(x) - 55 x - 6)$$

Sequence: A093040
Score: 13.4331
Type of gen. func.: ogf

$$- \frac{1 + x}{(x^{2} + x + 1) (x^{2} + x - 1)}$$

Sequence: A093040
Score: 14.4429
Type of gen. func.: lgdogf

$$- \frac{3 x^{4} + 8 x^{3} + 7 x^{2} + 2 x + 1}{(1 + x) (x^{2} + x + 1) (x^{2} + x - 1)}$$

Sequence: A093040
Score: 7.08967
Type of gen. func.: ogf

$$-(36 f(x) + 7) (f(x) x^4 + 2 f(x) x^3 + f(x) x^2 - f(x) + x + 1)$$

Sequence: A093041
Score: 3.45125
Type of gen. func.: ogf

$$\{(2 n + 12) a(n + 1) + (-3 n - 17) a(n + 2) + (3 n + 17) a(n + 3) + (-n - 5) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 6\}$$

Sequence: A093041
Score: 4.8366
Type of gen. func.: ogf

$$-(8 f(x) + 17) (4 f(x) x^4 - 8 f(x) x^3 + 9 f(x) x^2 + 3 x^3 - 5 f(x) x - 6 x^2 + f(x) + 4 x - 1)$$

Sequence: A093041
Score: 8.91945
Type of gen. func.: ogf

$$-\frac{(x - 1) (3 x^2 - 3 x + 1)}{(x^2 - x + 1) (-1 + 2 x)^2}$$

Sequence: A093041
Score: 9.09543
Type of gen. func.: lgdogf

$$-\frac{6 x^5 - 21 x^4 + 24 x^3 - 13 x^2 + 4 x - 1}{(x - 1) (-1 + 2 x) (x^2 - x + 1) (3 x^2 - 3 x + 1)}$$

Sequence: A093042
Score: 10.1410
Type of gen. func.: ogf

$$-\frac{x\,(2\,x^{2}-1)}{(4\,x^{2}+2\,x-1)\,(x^{2}-x-1)}$$

Sequence: A093042
Score: 5.19029
Type of gen. func.: ogf

$$(19\,f(x)-67)\,(4\,f(x)\,x^{4}-2\,f(x)\,x^{3}-7\,f(x)\,x^{2}+2\,x^{3}-f(x)\,x+f(x)-x)$$

Sequence: A093042
Score: 9.40986
Type of gen. func.: lgdogf

$$-\frac{16\,x^{5}-4\,x^{4}-16\,x^{3}+8\,x^{2}+10\,x+1}{(4\,x^{2}+2\,x-1)\,(2\,x^{2}-1)\,(x^{2}-x-1)}$$

Sequence: A093043
Score: 10.4723
Type of gen. func.: lgdogf

$$-\frac{24\,x^{4}+8\,x^{3}-20\,x^{2}-14\,x-3}{(2\,x+1)\,(4\,x^{2}+2\,x-1)\,(x^{2}-x-1)}$$

Sequence: A093043
Score: 5.24697
Type of gen. func.: ogf

$$-f(x)\,(4\,f(x)\,x^{4}-2\,f(x)\,x^{3}-7\,f(x)\,x^{2}-2\,x^{3}-f(x)\,x-x^{2}+f(x))$$

Sequence: A093043
Score: 9.50539
Type of gen. func.: ogf

$$x^{2}\,(2\,x+1)$$

$$\overline{\quad (4 x^{2} + 2 x - 1) (x^{2} - x - 1) \quad}$$

Sequence: A093044
Score: 4.67495
Type of gen. func.: ogf

$$-(f(x) + 7)$$

$$(4 f(x) x^{4} - 2 f(x) x^{3} - 7 f(x) x^{2} + 2 x^{3} - f(x) x + 5 x^{2} + f(x) + x - 1)$$

Sequence: A093044
Score: 8.43221
Type of gen. func.: lgdogf

$$- \frac{2 x (4 x^{5} + 20 x^{4} + 8 x^{3} - 8 x^{2} - x + 2)}{(4 x^{2} + 2 x - 1) (x^{2} - x - 1) (2 x^{3} + 5 x^{2} + x - 1)}$$

Sequence: A093044
Score: 8.56062
Type of gen. func.: ogf

$$- \frac{2 x^{3} + 5 x^{2} + x - 1}{(4 x^{2} + 2 x - 1) (x^{2} - x - 1)}$$

Sequence: A093045
Score: 10.6439
Type of gen. func.: lgdogf

$$- \frac{12 x^{4} + 12 x^{3} - 13 x^{2} - 14 x - 2}{(1 + x) (4 x^{2} + 2 x - 1) (x^{2} - x - 1)}$$

Sequence: A093045
Score: 4.93136
Type of gen. func.: ogf

$$-(9 f(x) + 5) (4 f(x) x^4 - 2 f(x) x^3 - 7 f(x) x^2 - 2 x^3 - f(x) x - 2 x^2 + f(x))$$

Sequence: A093045
Score: 9.50539
Type of gen. func.: ogf

$$\frac{2 x^2 (1 + x)}{(4 x^2 + 2 x - 1) (x^2 - x - 1)}$$

Sequence: A093058
Score: 3.77386
Type of gen. func.: ogf

$$(413 x^8 + 1254 x^7 + 2124 x^6 + 2965 x^5 + 3481 x^4 + 3009 x^3 + 2168 x^2 + 1298 x + 457) / ((x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A093069
Score: 10.3181
Type of gen. func.: lgdogf

$$- \frac{128 x^4 - 416 x^3 + 420 x^2 - 164 x + 23}{(x - 1) (-1 + 2 x) (4 x - 1) (16 x^2 - 26 x + 7)}$$

Sequence: A093069
Score: 11.9702
Type of gen. func.: ogf

$$- \frac{16 x^2 - 26 x + 7}{(x - 1) (-1 + 2 x) (4 x - 1)}$$

Sequence: A093069
Score: 6.43775
Type of gen. func.: ogf

$$(647 f(x) + 1936) (8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x + 16 x^2 - f(x) - 26 x + 7)$$

Sequence: A093069
Score: 6.66168
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 8 a(n), a(0) = 7, a(1) = 23, a(2) = 79\}$$

Sequence: A093085
Score: 10.2070
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^4 + x^3 + x + 2}{-x^6 + x^4 - x^2 + 1}$$

Sequence: A093103
Score: 14.7222
Type of gen. func.: revogf

$$\frac{-1 - 8 x + (148 x^2 + 16 x + 1)^{1/2}}{42 x}$$

Sequence: A093103
Score: 16.8006
Type of gen. func.: ogf

$$-\frac{1}{21 x^2 + 8 x - 1}$$

Sequence: A093103
Score: 21.5171
Type of gen. func.: lgdogf

$$-\frac{2 (4 + 21 x)}{{}^{2}}$$

$$21 x \; + 8 x - 1$$

Sequence: A093103
Score: 6.49115
Type of gen. func.: ogf

$$-(53 f(x) - 21) (21 f(x) x^2 + 8 f(x) x - f(x) + 1)$$

Sequence: A093103
Score: 6.88218
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) + 21 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A093112
Score: 10.5634
Type of gen. func.: lgdogf

$$-\frac{128 x^4 - 224 x^3 + 108 x^2 + 4 x - 7}{(x - 1) (-1 + 2 x) (4 x - 1) (16 x^2 - 14 x + 1)}$$

Sequence: A093112
Score: 11.8696
Type of gen. func.: ogf

$$\frac{16 x^2 - 14 x + 1}{(x - 1) (-1 + 2 x) (4 x - 1)}$$

Sequence: A093112
Score: 6.17605
Type of gen. func.: ogf

$$-(647 f(x) - 4672)$$

$$(8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x - 16 x^2 - f(x) + 14 x - 1)$$

Sequence: A093112
Score: 6.66365
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) - 14 a(n + 1) + 8 a(n), a(0) = -1, a(1) = 7, a(2) = 47\}$$

Sequence: A093117
Score: 12.0642
Type of gen. func.: ogf

$$-\frac{7 x + 1}{21 x^2 + 8 x - 1}$$

Sequence: A093117
Score: 12.3498
Type of gen. func.: revogf

$$\frac{-1 - 8 x + (148 x^2 + 44 x + 1)^{1/2}}{14 (3 x + 1)}$$

Sequence: A093117
Score: 13.2534
Type of gen. func.: lgdogf

$$-\frac{3 (49 x^2 + 14 x + 5)}{(7 x + 1) (21 x^2 + 8 x - 1)}$$

Sequence: A093117
Score: 6.60656
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) - 21 a(n), a(0) = 1, a(1) = 15\}$$

Sequence: A093117
Score: 8.02305
Type of gen. func.: ogf

$$(18 f(x) + 7) (21 f(x) x^2 + 8 f(x) x - f(x) + 7 x + 1)$$

Sequence: A093119
Score: 11.3958
Type of gen. func.: lgdogf

$$- \frac{x^4 - 6 x^3 + 21 x^2 + 36 x + 68}{(x - 1) (x^4 - 5 x^3 + 12 x^2 + 3 x + 13)}$$

Sequence: A093119
Score: 7.07440
Type of gen. func.: ogf

$$- \frac{x^4 - 5 x^3 + 12 x^2 + 3 x + 13}{(x - 1)^5}$$

Sequence: A093121
Score: 4.65787
Type of gen. func.: ogf

$$-(25 f(x) + 52)$$

$$(4 f(x) x^4 - 2 f(x) x^3 - 7 f(x) x^2 - f(x) x + 3 x^2 + f(x) + x - 1)$$

Sequence: A093121
Score: 9.11323
Type of gen. func.: ogf

$$- \frac{3 x^2 + x - 1}{(4 x^2 + 2 x - 1) (x^2 - x - 1)}$$

Sequence: A093121
Score: 9.37938
Type of gen. func.: lgdogf

$$-\frac{2 x (12 x^4 + 3 x^3 - 10 x^2 + x + 4)}{(3 x^2 + x - 1) (4 x^2 + 2 x - 1) (x^2 - x - 1)}$$

Sequence: A093122
Score: 10.1482
Type of gen. func.: lgdogf

$$-\frac{12 x^4 + 12 x^3 - 13 x^2 - 14 x - 2}{(1 + x) (4 x^2 + 2 x - 1) (x^2 - x - 1)}$$

Sequence: A093122
Score: 4.8001
Type of gen. func.: ogf

$$-(83 f(x) + 17) (4 f(x) x^4 - 2 f(x) x^3 - 7 f(x) x^2 - f(x) x - x^2 + f(x) - x)$$

Sequence: A093122
Score: 9.67405
Type of gen. func.: ogf

$$\frac{x (1 + x)}{(4 x^2 + 2 x - 1) (x^2 - x - 1)}$$

Sequence: A093123
Score: 13.2793
Type of gen. func.: ogf

$$-\frac{6 x - 1}{20 x^2 - 10 x + 1}$$

Sequence: A093123
Score: 13.9079
Type of gen. func.: revogf

2   1/2

$$-\frac{-1 - 10 x + (20 x - 4 x + 1)}{4 (3 + 10 x)}$$

Sequence: A093123
Score: 14.5702
Type of gen. func.: lgdogf

$$-\frac{4 (30 x^2 - 10 x + 1)}{(6 x - 1) (20 x^2 - 10 x + 1)}$$

Sequence: A093123
Score: 6.78399
Type of gen. func.: ogf

$$-(5 f(x) + 11) (20 f(x) x^2 - 10 f(x) x + f(x) + 6 x - 1)$$

Sequence: A093123
Score: 7.43008
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 20 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A093128
Score: 8.43215
Type of gen. func.: ogf

$$f(x)^2 x^4 - f(x) x^4 + f(x) x^3 + 2 f(x) x^2 + f(x) x - f(x) + 1$$

Sequence: A093129
Score: 14.0200
Type of gen. func.: ogf

$$-\frac{-1 + 3 x}{5 x^2 - 5 x + 1}$$

Sequence: A093129
Score: 15.0738
Type of gen. func.: revogf

$$-\frac{-1 - 5 x + (5 x^2 - 2 x + 1)^{1/2}}{2 (3 + 5 x)}$$

Sequence: A093129
Score: 16.2638
Type of gen. func.: lgdogf

$$-\frac{15 x^2 - 10 x + 2}{(-1 + 3 x) (5 x^2 - 5 x + 1)}$$

Sequence: A093129
Score: 7.01
Type of gen. func.: ogf

$$-(5 f(x) + 11) (5 f(x) x^2 - 5 f(x) x + f(x) + 3 x - 1)$$

Sequence: A093129
Score: 7.69390
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 5 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A093130
Score: 14.5178
Type of gen. func.: ogf

$$\frac{2 x}{20 x^2 - 10 x + 1}$$

Sequence: A093130
Score: 15.0596
Type of gen. func.: revogf

$$-\frac{-1 - 5 x + (5 x^2 + 10 x + 1)^{1/2}}{20 x}$$

Sequence: A093130
Score: 20.6373
Type of gen. func.: lgdogf

$$-\frac{10 (4 x - 1)}{20 x^2 - 10 x + 1}$$

Sequence: A093130
Score: 6.82160
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 20 a(n), a(0) = 0, a(1) = 2\}$$

Sequence: A093130
Score: 9.28186
Type of gen. func.: ogf

$$-20 f(x) x^2 + 10 f(x) x - f(x) + 2 x$$

Sequence: A093131
Score: 12.904
Type of gen. func.: ogf

$$-5 f(x) x^2 + 5 f(x) x - f(x) + x$$

Sequence: A093131
Score: 17.1384
Type of gen. func.: revogf

$$-\frac{-1 - 5 x + (5 x^2 + 10 x + 1)^{1/2}}{10 x}$$

Sequence: A093131
Score: 19.5084
Type of gen. func.: ogf

$$\frac{x}{5x^2 - 5x + 1}$$

Sequence: A093131
Score: 26.4216
Type of gen. func.: lgdogf

$$-\frac{5(-1 + 2x)}{5x^2 - 5x + 1}$$

Sequence: A093131
Score: 7.94785
Type of gen. func.: ogf

$$\{a(n + 2) - 5a(n + 1) + 5a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A093132
Score: 12.0453
Type of gen. func.: revogf

$$-\frac{-1 - 10x + ((2x + 1)(10x + 1))^{1/2}}{4(10x + 1)}$$

Sequence: A093132
Score: 12.5566
Type of gen. func.: ogf

$$-\frac{-1 + 2x}{20x^2 - 10x + 1}$$

Sequence: A093132
Score: 14.4544

Type of gen. func.: lgdogf

$$-\frac{8\,(5\,x^{2} - 5\,x + 1)}{(-1 + 2\,x)\,(20\,x^{2} - 10\,x + 1)}$$

Sequence: A093132
Score: 6.48527
Type of gen. func.: ogf

$$(145\,f(x) + 111)\,(20\,f(x)\,x^{2} - 10\,f(x)\,x + f(x) + 2\,x - 1)$$

Sequence: A093132
Score: 7.02570
Type of gen. func.: ogf

$$\{-a(n + 2) + 10\,a(n + 1) - 20\,a(n),\ a(0) = 1,\ a(1) = 8\}$$

Sequence: A093133
Score: 12.5020
Type of gen. func.: ogf

$$-\frac{7\,x - 1}{20\,x^{2} - 10\,x + 1}$$

Sequence: A093133
Score: 13.0776
Type of gen. func.: revogf

$$-\frac{-1 - 10\,x + (20\,x^{2} - 8\,x + 1)^{1/2}}{2\,(7 + 20\,x)}$$

Sequence: A093133
Score: 14.0345
Type of gen. func.: lgdogf

$$140\,x^{2} - 40\,x + 3$$

$$- \frac{}{(7 x - 1) (20 x^2 - 10 x + 1)}$$

Sequence: A093133
Score: 6.99514
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 20 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A093133
Score: 9.03989
Type of gen. func.: ogf

$$-20 f(x) x^2 + 10 f(x) x - f(x) - 7 x + 1$$

Sequence: A093134
Score: 13.8695
Type of gen. func.: ogf

$$\frac{7 x - 1}{(1 + x) (8 x - 1)}$$

Sequence: A093134
Score: 14.3022
Type of gen. func.: revogf

$$\frac{-1 - 7 x + (81 x^2 - 14 x + 1)^{1/2}}{2 (-7 + 8 x)}$$

Sequence: A093134
Score: 17.5712
Type of gen. func.: lgdogf

$$- \frac{8 x (-2 + 7 x)}{(8 x - 1) (7 x - 1) (1 + x)}$$

Sequence: A093134
Score: 7.70527
Type of gen. func.: ogf

$$\{-a(n+2) + 7\,a(n+1) + 8\,a(n),\ a(0) = 1,\ a(1) = 0\}$$

Sequence: A093134
Score: 9.90678
Type of gen. func.: ogf

$$8\,f(x)\,x^2 + 7\,f(x)\,x - f(x) - 7\,x + 1$$

Sequence: A093135
Score: 12.1536
Type of gen. func.: ogf

$$-\frac{8\,x - 1}{(10\,x - 1)\,(x - 1)}$$

Sequence: A093135
Score: 12.7146
Type of gen. func.: revogf

$$-\frac{-1 - 11\,x + (81\,x^2 - 10\,x + 1)^{1/2}}{4\,(4 + 5\,x)}$$

Sequence: A093135
Score: 14.3447
Type of gen. func.: lgdogf

$$-\frac{80\,x^2 - 20\,x + 3}{(x - 1)\,(8\,x - 1)\,(10\,x - 1)}$$

Sequence: A093135
Score: 6.01285
Type of gen. func.: ogf

$$-(439\,f(x) - 358)\,(10\,f(x)\,x^2 - 11\,f(x)\,x + f(x) + 8\,x - 1)$$

Sequence: A093135
Score: 6.80025
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A093136
Score: 12.4179
Type of gen. func.: ogf

$$-10 f(x) x + f(x) + 8 x - 1$$

Sequence: A093136
Score: 14.7222
Type of gen. func.: revogf

$$1/16 + \frac{5 x}{8} - \frac{(100 x^2 - 12 x + 1)^{1/2}}{16}$$

Sequence: A093136
Score: 15.0321
Type of gen. func.: ogf

$$\frac{8 x - 1}{10 x - 1}$$

Sequence: A093136
Score: 31.0802
Type of gen. func.: lgdogf

$$\frac{2}{(10 x - 1) (8 x - 1)}$$

Sequence: A093136
Score: 7.82495
Type of gen. func.: ogf

{a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 2}

Sequence: A093137
Score: 12.1536
Type of gen. func.: ogf

$$-\frac{7 x - 1}{(10 x - 1) (x - 1)}$$

Sequence: A093137
Score: 12.7146
Type of gen. func.: revogf

$$-\frac{-1 - 11 x + (81 x^2 - 6 x + 1)^{1/2}}{2 (7 + 10 x)}$$

Sequence: A093137
Score: 13.6450
Type of gen. func.: lgdogf

$$-\frac{2 (35 x^2 - 10 x + 2)}{(x - 1) (7 x - 1) (10 x - 1)}$$

Sequence: A093137
Score: 6.01285
Type of gen. func.: ogf

$$-(249 f(x) - 185) (10 f(x) x^2 - 11 f(x) x + f(x) + 7 x - 1)$$

Sequence: A093137
Score: 6.80025
Type of gen. func.: ogf

{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 1, a(1) = 4}

Sequence: A093138
Score: 12.4179
Type of gen. func.: ogf

$$-10 f(x) x + f(x) + 7 x - 1$$

Sequence: A093138
Score: 15.0321
Type of gen. func.: ogf

$$\frac{7 x - 1}{10 x - 1}$$

Sequence: A093138
Score: 15.1201
Type of gen. func.: revogf

$$1/14 + \frac{5 x}{7} - \frac{(100 x^2 - 8 x + 1)^{1/2}}{14}$$

Sequence: A093138
Score: 31.0802
Type of gen. func.: lgdogf

$$\frac{3}{(10 x - 1) (7 x - 1)}$$

Sequence: A093138
Score: 7.82495
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 3\}$$

Sequence: A093140
Score: 12.1536
Type of gen. func.: ogf

$$- \frac{6 x - 1}{(10 x - 1) (x - 1)}$$

Sequence: A093140
Score: 13.0103
Type of gen. func.: revogf

$$-\frac{-1 - 11 x + (81 x^2 - 2 x + 1)^{1/2}}{4 (3 + 5 x)}$$

Sequence: A093140
Score: 13.9861
Type of gen. func.: lgdogf

$$-\frac{5 (12 x^2 - 4 x + 1)}{(x - 1) (6 x - 1) (10 x - 1)}$$

Sequence: A093140
Score: 6.14216
Type of gen. func.: ogf

$$-(71 f(x) - 46) (10 f(x) x^2 - 11 f(x) x + f(x) + 6 x - 1)$$

Sequence: A093140
Score: 6.80025
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A093141
Score: 12.4179
Type of gen. func.: ogf

$$-10 f(x) x + f(x) + 6 x - 1$$

Sequence: A093141
Score: 15.0321
Type of gen. func.: ogf

$$\frac{6x-1}{10x-1}$$

Sequence: A093141
Score: 15.1201
Type of gen. func.: revogf

$$\frac{1}{12}+\frac{5x}{6}-\frac{(100x^2-4x+1)^{1/2}}{12}$$

Sequence: A093141
Score: 31.0802
Type of gen. func.: lgdogf

$$\frac{4}{(10x-1)(6x-1)}$$

Sequence: A093141
Score: 7.82495
Type of gen. func.: ogf

$$\{a(n+2)-10a(n+1), a(0)=1, a(1)=4\}$$

Sequence: A093142
Score: 12.1536
Type of gen. func.: ogf

$$-\frac{5x-1}{(10x-1)(x-1)}$$

Sequence: A093142
Score: 12.7146
Type of gen. func.: revogf

$$-\frac{-1-11x+(81x^2+2x+1)^{1/2}}{10(2x+1)}$$

Sequence: A093142
Score: 13.6450
Type of gen. func.: lgdogf

$$-\frac{2 (25 x^{2} - 10 x + 3)}{(x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A093142
Score: 6.80025
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A093142
Score: 8.36208
Type of gen. func.: ogf

$$-(347 f(x) - 185) (10 f(x) x^{2} - 11 f(x) x + f(x) + 5 x - 1)$$

Sequence: A093143
Score: 12.4179
Type of gen. func.: ogf

$$-10 f(x) x + f(x) + 5 x - 1$$

Sequence: A093143
Score: 15.0321
Type of gen. func.: ogf

$$\frac{5 x - 1}{10 x - 1}$$

Sequence: A093143
Score: 19.2912
Type of gen. func.: revogf

$$1/10 + x - \frac{(100 x^{2} + 1)^{1/2}}{}$$

Sequence: A093143
Score: 31.0802
Type of gen. func.: lgdogf

$$\frac{5}{(10 x - 1) (5 x - 1)}$$

Sequence: A093143
Score: 7.82495
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 5\}$$

Sequence: A093144
Score: 12.0930
Type of gen. func.: revogf

$$- \frac{-1 - 20 x + (200 x^2 + 40 x + 1)^{1/2}}{100 x}$$

Sequence: A093144
Score: 14.4089
Type of gen. func.: ogf

$$\frac{x}{50 x^2 - 20 x + 1}$$

Sequence: A093144
Score: 18.3634
Type of gen. func.: lgdogf

$$- \frac{20 (5 x - 1)}{50 x^2 - 20 x + 1}$$

Sequence: A093144
Score: 6.07604
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1) + 50 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A093144
Score: 8.26741
Type of gen. func.: ogf

$$-50 f(x) x^2 + 20 f(x) x - f(x) + x$$

Sequence: A093145
Score: 10.032
Type of gen. func.: ogf

$$-20 f(x) x^2 + 10 f(x) x - f(x) + x$$

Sequence: A093145
Score: 15.4568
Type of gen. func.: revogf

$$-\frac{-1 - 10 x + (20 x^2 + 20 x + 1)^{1/2}}{40 x}$$

Sequence: A093145
Score: 17.4843
Type of gen. func.: ogf

$$\frac{x}{20 x^2 - 10 x + 1}$$

Sequence: A093145
Score: 22.3265
Type of gen. func.: lgdogf

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  10 (4 x - 1)
- ----------------
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$$20 x^2 - 10 x + 1$$

Sequence: A093145
Score: 7.37288
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 20 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A093146
Score: 10.7903
Type of gen. func.: revogf

$$- \frac{-1 - 20 x + (200 x^2 - 20 x + 1)^{1/2}}{10 (3 + 10 x)}$$

Sequence: A093146
Score: 10.8016
Type of gen. func.: ogf

$$- \frac{15 x - 1}{50 x^2 - 20 x + 1}$$

Sequence: A093146
Score: 11.5260
Type of gen. func.: lgdogf

$$- \frac{5 (150 x^2 - 20 x + 1)}{(15 x - 1) (50 x^2 - 20 x + 1)}$$

Sequence: A093146
Score: 5.63563
Type of gen. func.: ogf

$$-(2 f(x) - 1) (50 f(x) x^2 - 20 f(x) x + f(x) + 15 x - 1)$$

Sequence: A093146
Score: 6.17235
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1) + 50 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A093147
Score: 11.5740
Type of gen. func.: revogf

$$-\frac{-1 - 20 x + (200 x^2 + 20 x + 1)^{1/2}}{10 (10 x + 1)}$$

Sequence: A093147
Score: 11.8151
Type of gen. func.: ogf

$$-\frac{5 x - 1}{50 x^2 - 20 x + 1}$$

Sequence: A093147
Score: 12.9518
Type of gen. func.: lgdogf

$$-\frac{5 (50 x^2 - 20 x + 3)}{(5 x - 1) (50 x^2 - 20 x + 1)}$$

Sequence: A093147
Score: 6.03598
Type of gen. func.: ogf

$$-(82 f(x) - 1) (50 f(x) x^2 - 20 f(x) x + f(x) + 5 x - 1)$$

Sequence: A093147
Score: 6.53305
Type of gen. func.: ogf

$$\{a(n+2) - 20 a(n+1) + 50 a(n), a(0) = 1, a(1) = 15\}$$

Sequence: A093148
Score: 11.2647
Type of gen. func.: ogf

$$\{-a(n+4) + a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 3\}$$

Sequence: A093148
Score: 11.9433
Type of gen. func.: ogf

$$(f(x) + 6) (f(x) x^4 + 3 x^3 + x^2 - f(x) + x + 1)$$

Sequence: A093148
Score: 13.1443
Type of gen. func.: lgdogf

$$-\frac{3 x^6 + 2 x^5 + 3 x^4 + 4 x^3 + 9 x^2 + 2 x + 1}{(x - 1) (1 + x) (x^2 + 1) (3 x^3 + x^2 + x + 1)}$$

Sequence: A093148
Score: 17.3911
Type of gen. func.: ogf

$$-\frac{3 x^3 + x^2 + x + 1}{(x - 1) (1 + x) (x^2 + 1)}$$

Sequence: A093160
Score: 13.7436
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4 x^2 - 4 x - 4}{-x^4 + 1}$$

Sequence: A093175
Score: 5.25699
Type of gen. func.: ogf

$$(12954 f(x) - 661) (f(x) x^4 + f(x) x^3 + f(x) x^2 + 2 x^3 + f(x) x + 4 x^2 - f(x) + 3 x + 1)$$

Sequence: A093175
Score: 9.45851
Type of gen. func.: lgdogf

$$- \frac{2 x^6 + 8 x^5 + 11 x^4 + 6 x^3 + 8 x^2 + 10 x + 4}{(1 + x) (2 x^2 + 2 x + 1) (x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A093175
Score: 9.76299
Type of gen. func.: ogf

$$- \frac{(1 + x) (2 x^2 + 2 x + 1)}{x^4 + x^3 + x^2 + x - 1}$$

Sequence: A093178
Score: 14.5966
Type of gen. func.: ogf

$$\frac{x^3 - x^2 + x + 1}{(x - 1)^2 (1 + x)^2}$$

Sequence: A093178
Score: 18.6192
Type of gen. func.: lgdogf

$$x^4 - 2 x^3 + 6 x^2 + 2 x + 1$$

$$- \frac{\qquad}{(x-1)(1+x)(x^3-x^2+x+1)}$$

Sequence: A093178
Score: 9.03596
Type of gen. func.: ogf

$$-(6 f(x) - 5) (f(x) x^4 - 2 f(x) x^2 - x^3 + x^2 + f(x) - x - 1)$$

Sequence: A093196
Score: 5.24698
Type of gen. func.: ogf

$$- \frac{(1 + x) (x^4 + 20 x^3 + 70 x^2 + 20 x + 1)}{(x - 1)^7}$$

Sequence: A093196
Score: 8.13530
Type of gen. func.: lgdogf

$$- \frac{2 (x^5 + 34 x^4 + 222 x^3 + 360 x^2 + 153 x + 14)}{(x - 1) (1 + x) (x^4 + 20 x^3 + 70 x^2 + 20 x + 1)}$$

Sequence: A093197
Score: 10.3541
Type of gen. func.: lgdegf]

$$-24 + 100 x + (80 x^2 - 36 x + 4) f(x) + (16 x^3 - 8 x^2 + x) f(x)^2$$

Sequence: A093197
Score: 11.1662
Type of gen. func.: revegf]

$$\frac{3^{1/3} (3^{(1/3)} (x + 1/3)^{(1/3)} - 1)}{2/3}$$

$$3 (x + 1/3)$$

Sequence: A093197
Score: 5.09481
Type of gen. func.: ogf

$$\{(4 n^2 + 30 n + 56) a(n + 1) + (-n - 6) a(n + 2), a(0) = 1, a(1) = 6\}$$

Sequence: A093198
Score: 7.54040
Type of gen. func.: ogf

$$- \frac{(x^2 + 3 x + 1) (x^2 + 4 x + 1)}{(1 + x) (x - 1)^5}$$

Sequence: A093198
Score: 9.38774
Type of gen. func.: lgdogf

$$- \frac{2 x^5 + 25 x^4 + 88 x^3 + 112 x^2 + 62 x + 11}{(x - 1) (1 + x) (x^2 + 3 x + 1) (x^2 + 4 x + 1)}$$

Sequence: A093216
Score: 6.04345
Type of gen. func.: ogf

$$\frac{4800 x (20480000 x^3 - 2053550 x^2 - 1425 x + 201)}{(100 x - 1) (10 x - 1)}$$

Sequence: A093220
Score: 7.12335
Type of gen. func.: ogf

$$f(x) (1000 f(x) x^2 - 110 f(x) x - 10000 x^2 + f(x) - 800 x)$$

Sequence: A093230
Score: 14.8943
Type of gen. func.: ogf

$$\frac{900 x}{(100 x - 1) (10 x - 1)}$$

Sequence: A093230
Score: 7.38183
Type of gen. func.: lgdogf

$$- \frac{10 (-11 + 200 x)}{(100 x - 1) (10 x - 1)}$$

Sequence: A093230
Score: 7.44714
Type of gen. func.: ogf

$$\{a(n + 2) - 110 a(n + 1) + 1000 a(n), a(0) = 0, a(1) = 900\}$$

Sequence: A093230
Score: 9.92952
Type of gen. func.: ogf

$$-1000 f(x) x^2 + 110 f(x) x - f(x) + 900 x$$

Sequence: A093232
Score: 3.05573
Type of gen. func.: ogf

$$- \frac{4 x (2760000000 x^4 - 1423600000 x^3 + 127419000 x^2 - 1335490 x - 241)}{(100 x - 1) (10 x - 1)}$$

Sequence: A093248
Score: 3.35191
Type of gen. func.: ogf

$$-(7360025259174560500 f(x) + 102461752456503084703689) (929280000 x^4 + 1000 f(x) x^2 - 98716800 x^3 - 110 f(x) x + 3840 x^2 + f(x) - 96 x)$$

Sequence: A093248
Score: 6.55317
Type of gen. func.: ogf

$$-\frac{96 x (9680000 x^3 - 1028300 x^2 + 40 x - 1)}{(100 x - 1) (10 x - 1)}$$

Sequence: A093255
Score: 4.25061
Type of gen. func.: ogf

$$\frac{55 x (1000000 x^5 - 1000000 x^4 + 189900 x^3 - 77900 x^2 - 12009 x - 1)}{(x - 1) (10 x + 1) (100 x - 1) (100 x + 1) (10 x - 1)}$$

Sequence: A093260
Score: 10.9225
Type of gen. func.: ogf

$$\frac{600 x (50 x + 1)}{(100 x - 1) (10 x - 1)}$$

Sequence: A093260
Score: 5.85132
Type of gen. func.: ogf

$$\{a(n + 3) - 110 a(n + 2) + 1000 a(n + 1), a(0) = 0, a(1) = 600, a(2) = 96000\}$$

Sequence: A093260
Score: 7.12335
Type of gen. func.: ogf

$$f(x) (1000 f(x) x^2 - 110 f(x) x - 30000 x^2 + f(x) - 600 x)$$

Sequence: A093270
Score: 14.8943
Type of gen. func.: ogf

$$\frac{700 x}{(100 x - 1) (10 x - 1)}$$

Sequence: A093270
Score: 7.44714
Type of gen. func.: ogf

{a(n + 2) - 110 a(n + 1) + 1000 a(n), a(0) = 0, a(1) = 700}

Sequence: A093270
Score: 9.92952
Type of gen. func.: ogf

$$-1000 f(x) x^2 + 110 f(x) x - f(x) + 700 x$$

Sequence: A093275
Score: 10.6454
Type of gen. func.: ogf

$$\frac{75 x (1 + 20 x)}{(100 x - 1) (10 x - 1)}$$

Sequence: A093275
Score: 5.61305
Type of gen. func.: ogf

{a(n + 3) - 110 a(n + 2) + 1000 a(n + 1), a(0) = 0, a(1) = 75, a(2) = 9750}

Sequence: A093275
Score: 6.86039
Type of gen. func.: ogf

$$f(x) (1000 f(x) x^2 - 110 f(x) x - 1500 x^2 + f(x) - 75 x)$$

Sequence: A093280
Score: 4.71473
Type of gen. func.: ogf

$$-(305346105 f(x) - 102598447888)$$

$$(4000000 x^4 + 1000 f(x) x^2 - 1040000 x^3 - 110 f(x) x + f(x) - 800 x)$$

Sequence: A093280
Score: 8.62300
Type of gen. func.: ogf

$$-\frac{800 x (5000 x^3 - 1300 x^2 - 1)}{(100 x - 1) (10 x - 1)}$$

Sequence: A093296
Score: 5.45240
Type of gen. func.: ogf

$$-\frac{8 x (12337200000 x^4 - 1240813000 x^3 - 15490 x^2 + 599 x - 12)}{(100 x - 1) (10 x - 1)}$$

Sequence: A093302
Score: 20.8996
Type of gen. func.: lgdegf]

$$\frac{4 x^2 - 5}{(-1 + 2 x) (2 x + 1)}$$

Sequence: A093303
Score: 3.50529
Type of gen. func.: ogf

$$\{(2 n^2 + 9 n + 9) a(n + 1) + (-2 n^2 - 10 n - 13) a(n + 2) + (n + 2) a(n + 3),$$

$$a(0) = 0, a(1) = 2, a(2) = 10\}$$

Sequence: A093322
Score: 4.56416
Type of gen. func.: ogf

$$(3700760690 f(x) + 46277026973)$$

$$(f(x) x^4 + f(x) x^3 + f(x) x^2 + 28 x^3 + f(x) x + 18 x^2 - f(x) + 7 x + 1)$$

Sequence: A093322
Score: 8.42145
Type of gen. func.: lgdogf

$$-\frac{28 x^6 + 36 x^5 + 11 x^4 - 38 x^3 + 76 x^2 + 38 x + 8}{(28 x^3 + 18 x^2 + 7 x + 1) (x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A093322
Score: 9.12833
Type of gen. func.: ogf

$$-\frac{28 x^3 + 18 x^2 + 7 x + 1}{x^4 + x^3 + x^2 + x - 1}$$

Sequence: A093328
Score: 13.0021
Type of gen. func.: ogf

$$-\frac{5 x^2 - 4 x + 3}{(x - 1)^3}$$

Sequence: A093328
Score: 22.8744
Type of gen. func.: lgdogf

$$-\frac{5 x^2 + 2 x + 5}{{}^{2}}$$

$$(x - 1) (5 x - 4 x + 3)$$

Sequence: A093328
Score: 7.01885
Type of gen. func.: ogf

$$(17 f(x) - 15) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 5 x^2 - f(x) - 4 x + 3)$$

Sequence: A093328
Score: 7.01886
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3, a(1) = 5, a(2) = 11\}$$

Sequence: A093344
Score: 3.54607
Type of gen. func.: ogf

$$\{(n^2 + 4 n + 4) a(n + 1) + (-n^2 - 8 n - 14) a(n + 2) + (8 + 2 n) a(n + 3) - a(n + 4), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 17\}$$

Sequence: A093353
Score: 10.7249
Type of gen. func.: ogf

$$- \frac{x^2 + x + 2}{(1 + x)^2 (x - 1)^3}$$

Sequence: A093353
Score: 18.8358
Type of gen. func.: lgdogf

$$- \frac{3 x^3 + 5 x^2 + 13 x + 3}{(x - 1) (1 + x) (x^2 + x + 2)}$$

Sequence: A093356
Score: 11.3226
Type of gen. func.: ogf

$$\frac{4 x^2 - 10 x + 3}{(4 x - 1) (-1 + 2 x)}$$

Sequence: A093356
Score: 13.0191
Type of gen. func.: lgdogf

$$\frac{8 (7 x^2 - 5 x + 1)}{(-1 + 2 x) (4 x - 1) (4 x^2 - 10 x + 3)}$$

Sequence: A093356
Score: 5.93613
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 8 a(n + 1), a(0) = 3, a(1) = 8, a(2) = 28\}$$

Sequence: A093356
Score: 6.05368
Type of gen. func.: ogf

$$-(85 f(x) + 257) (8 f(x) x^2 - 6 f(x) x - 4 x^2 + f(x) + 10 x - 3)$$

Sequence: A093357
Score: 10.8317
Type of gen. func.: revegf]

$$1/4 \ln(2 x + 1) + 1/2 \operatorname{arctanh}((6 x + 4)^{1/2}) - 1/2 \operatorname{arctanh}(2)$$

Sequence: A093357
Score: 12.3500
Type of gen. func.: ogf

$$-\frac{4 x (x - 1)}{(4 x - 1) (-1 + 2 x)}$$

Sequence: A093357
Score: 16.1012
Type of gen. func.: lgdogf

$$-\frac{8 x^2 - 16 x + 5}{(x - 1) (-1 + 2 x) (4 x - 1)}$$

Sequence: A093357
Score: 5.93284
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 8 a(n + 1), a(0) = 0, a(1) = 4, a(2) = 20\}$$

Sequence: A093357
Score: 7.11942
Type of gen. func.: ogf

$$-f(x) (8 f(x) x^2 - 6 f(x) x + 4 x^2 + f(x) - 4 x)$$

Sequence: A093361
Score: 6.46870
Type of gen. func.: ogf

$$-\frac{x^6 - 7 x^4 + 2 x^3 - x^2 - 2 x - 1}{(1 + x)^3 (x - 1)^4}$$

Sequence: A093361
Score: 9.04514
Type of gen. func.: lgdogf

$$-\frac{x^7 + x^6 - 15 x^5 + x^4 - 31 x^3 - 7 x^2 - 11 x - 3}{(x - 1) (1 + x) (x^6 - 7 x^4 + 2 x^3 - x^2 - 2 x - 1)}$$

Sequence: A093374
Score: 13.3894
Type of gen. func.: lgdogf

$$-\frac{2x^3+11x^2-14x+5}{(-1+2x)(x^3+2x^2-3x+1)}$$

Sequence: A093374
Score: 5.27465
Type of gen. func.: ogf

$$(32 f(x)+239)(16 f(x) x^4-32 f(x) x^3+24 f(x) x^2-x^3-8 f(x) x-2x^2 + f(x)+3x-1)$$

Sequence: A093374
Score: 9.42844
Type of gen. func.: ogf

$$\frac{x^3+2x^2-3x+1}{(-1+2x)^4}$$

Sequence: A093379
Score: 10.1504
Type of gen. func.: ogf

$$-\frac{x(2x^2+2x-1)}{(-1+3x)(-1+2x)(1+x)}$$

Sequence: A093379
Score: 5.03646
Type of gen. func.: ogf

$\{-a(n+4)+4a(n+3)-a(n+2)-6a(n+1), a(0)=0, a(1)=1, a(2)=2,$

$a(3)=5\}$

Sequence: A093379
Score: 5.94393
Type of gen. func.: ogf

$$-f(x) (6 f(x) x^3 + f(x) x^2 + 2 x^3 - 4 f(x) x + 2 x^2 + f(x) - x)$$

Sequence: A093379
Score: 9.99660
Type of gen. func.: lgdogf

$$-\frac{2 (6 x^4 + 12 x^3 - 4 x^2 - 3 x + 1)}{(-1 + 3 x) (-1 + 2 x) (1 + x) (2 x^2 + 2 x - 1)}$$

Sequence: A093380
Score: 5.20224
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) - a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = 6, a(2) = 14, a(3) = 22\}$$

Sequence: A093380
Score: 5.76115
Type of gen. func.: ogf

$$(7 f(x) + 73) (2 f(x) x^3 - f(x) x^2 + 10 x^3 - 2 f(x) x - x^2 + f(x) - 4 x - 1)$$

Sequence: A093380
Score: 9.90383
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^4 + 12 x^3 - 17 x^2 + 2 x + 3)}{(x - 1) (-1 + 2 x) (1 + x) (10 x^3 - x^2 - 4 x - 1)}$$

Sequence: A093380
Score: 9.95857
Type of gen. func.: ogf

$$-\frac{10 x^3 - x^2 - 4 x - 1}{(x - 1) (-1 + 2 x) (1 + x)}$$

Sequence: A093381
Score: 4.12565
Type of gen. func.: ogf

$$-(8821 f(x) + 96274) (24 f(x) x^4 - 50 f(x) x^3 + 35 f(x) x^2 + 4 x^3 - 10 f(x) x + 3 x^2 + f(x) + 2 x - 1)$$

Sequence: A093381
Score: 6.27098
Type of gen. func.: lgdogf

$$-\frac{2 (48 x^6 + 72 x^5 - 73 x^4 - 108 x^3 + 119 x^2 - 38 x + 4)}{(x - 1) (4 x - 1) (-1 + 3 x) (-1 + 2 x) (4 x^3 + 3 x^2 + 2 x - 1)}$$

Sequence: A093381
Score: 7.74195
Type of gen. func.: ogf

$$-\frac{4 x^3 + 3 x^2 + 2 x - 1}{(x - 1) (-1 + 3 x) (-1 + 2 x) (4 x - 1)}$$

Sequence: A093387
Score: 13.9719
Type of gen. func.: lgdogf

$$-\frac{2 (x - 1 + 6 x^2 + (-(-1 + 2 x) (2 x + 1))^{1/2})}{x (2 x + 1) (-1 + 2 x)}$$

Sequence: A093387
Score: 4.07873
Type of gen. func.: ogf

$$\{(-8 n - 24) a(n + 1) + (12 + 4 n) a(n + 2) + (2 n + 12) a(n + 3) + (-n - 6) a(n + 4), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 2\}$$

Sequence: A093387
Score: 5.95192
Type of gen. func.: ogf

$$4 f(x)^2 x^4 - 4 f(x)^2 x^3 + f(x)^2 x^2 - 4 f(x) x^3 + 2 f(x) x^2 + 2 f(x) x + x^2 - f(x)$$

Sequence: A093388
Score: 3.67328
Type of gen. func.: ogf

$$\{(-72 n^2 - 288 n - 288) a(n + 1) + (17 n^2 + 85 n + 108) a(n + 2) + (-n^2 - 6 n - 9) a(n + 3), a(0) = 1, a(1) = 6, a(2) = 42\}$$

Sequence: A093390
Score: 10.9280
Type of gen. func.: ogf

$$\frac{x^7}{(x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A093390
Score: 19.5286
Type of gen. func.: lgdogf

$$- \frac{8 x^6 - 6 x^5 + 5 x^3 - 3 x^2 + 2}{(x - 1) (x^6 + x^3 + 1)}$$

Sequence: A093391
Score: 13.5570
Type of gen. func.: lgdogf

$$-\frac{2\,(7\,x^{12}-6\,x^{11}+5\,x^{8}-4\,x^{7}+3\,x^{4}-2\,x^{3}+1)}{(x-1)\,(x^{4}+1)\,(x^{8}+1)}$$

Sequence: A093391
Score: 7.89492
Type of gen. func.: ogf

$$\frac{x^{13}}{(x^{4}+1)\,(x^{8}+1)\,(x-1)^{2}}$$

Sequence: A093392
Score: 5.97681
Type of gen. func.: ogf

$$\frac{x^{21}}{(x^{20}+x^{15}+x^{10}+x^{5}+1)\,(x-1)^{2}}$$

Sequence: A093392
Score: 9.85109
Type of gen. func.: lgdogf

$$-\frac{22\,x^{20}-20\,x^{19}+17\,x^{15}-15\,x^{14}+12\,x^{10}-10\,x^{9}+7\,x^{5}-5\,x^{4}+2}{(x-1)\,(x^{20}+x^{15}+x^{10}+x^{5}+1)}$$

Sequence: A093393
Score: 6.61670
Type of gen. func.: lgdogf

$$-(8\,x^{14}-4\,x^{13}+10\,x^{12}+5\,x^{11}+x^{10}+4\,x^{9}+12\,x^{8}-x^{7}+3\,x^{6}+16\,x^{5}$$

4 3 2 / 2 6 3

$- 6 x + 8 x + 4 x - 2 x + 2) / ((x - 1) (x + 1) (x + x + 1) /$

$(2 x^{6} + x^{4} + x^{3} + 1))$

Sequence: A093393
Score: 6.64882
Type of gen. func.: ogf

$$\frac{x^{3} (2 x^{6} + x^{4} + x^{3} + 1)}{(x^{2} + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A093406
Score: 10.2622
Type of gen. func.: lgdogf

$$- \frac{x^{6} + 10 x^{5} + 23 x^{4} - 12 x^{3} + x^{2} - 2 x + 3}{(x^{3} + 5 x^{2} - x + 1) (x^{4} + 4 x^{3} - 6 x^{2} + 4 x - 1)}$$

Sequence: A093406
Score: 10.4422
Type of gen. func.: ogf

$$- \frac{x^{3} + 5 x^{2} - x + 1}{x^{4} + 4 x^{3} - 6 x^{2} + 4 x - 1}$$

Sequence: A093406
Score: 5.58369
Type of gen. func.: ogf

$(10666 f(x) - 1619)$

$$(f(x) x^{4} + 4 f(x) x^{3} - 6 f(x) x^{2} + x^{3} + 4 f(x) x + 5 x^{2} - f(x) - x + 1)$$

Sequence: A093434
Score: 4.84919

Type of gen. func.: ogf

$$\{(27 n^2 + 135 n + 168) a(n + 1) - a(n + 2), a(0) = 3, a(1) = 180\}$$

Sequence: A093467
Score: 10.5829
Type of gen. func.: lgdogf

$$-\frac{3 x^4 - 12 x^3 + 18 x^2 - 10 x + 2}{(x - 1) (x^2 - 3 x + 1) (x^3 - x^2 - 2 x + 1)}$$

Sequence: A093467
Score: 5.15299
Type of gen. func.: ogf

$$\{-a(n + 4) + 4 a(n + 3) - 4 a(n + 2) + a(n + 1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 6\}$$

Sequence: A093467
Score: 5.48543
Type of gen. func.: ogf

$$-(4 f(x) + 17) (f(x) x^3 - 4 f(x) x^2 + x^3 + 4 f(x) x - x^2 - f(x) - 2 x + 1)$$

Sequence: A093467
Score: 9.85790
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 - 2 x + 1}{(x - 1) (x^2 - 3 x + 1)}$$

Sequence: A093468
Score: 4.54262
Type of gen. func.: ogf

$$\{(-n - 2) a(n) + (n + 3) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 2, a(2) = 3\}$$

Sequence: A093478
Score: 13.6436
Type of gen. func.: lgdogf

$$\frac{112 x^{5} - 188 x^{4} + 26 x^{3} + 59 x^{2} - 4 x + 1}{(x - 1) (2 x + 1) (14 x^{4} - 15 x^{3} - 2 x^{2} + 2 x - 1)}$$

Sequence: A093478
Score: 16.0593
Type of gen. func.: ogf

$$\frac{(2 x + 1) (14 x^{4} - 15 x^{3} - 2 x^{2} + 2 x - 1)}{x - 1}$$

Sequence: A093479
Score: 16.1578
Type of gen. func.: ogf

$$\frac{x (10 x^{4} - 10 x^{3} - 2 x^{2} - 5 x - 1)}{x - 1}$$

Sequence: A093479
Score: 16.6936
Type of gen. func.: lgdogf

$$\frac{2 (15 x^{4} - 30 x^{3} + 14 x^{2} + 2 x + 3)}{(x - 1) (10 x^{4} - 10 x^{3} - 2 x^{2} - 5 x - 1)}$$

Sequence: A093485
Score: 12.2607
Type of gen. func.: ogf

$$- \frac{10 x^{2} + 16 x + 1}{}$$

$$(x - 1)^{3}$$

Sequence: A093485
Score: 28.0581
Type of gen. func.: lgdogf

$$-\frac{(x + 8)^{2}}{(x - 1)\,(x^{2} + 7\,x + 19)}$$

Sequence: A093485
Score: 6.54596
Type of gen. func.: ogf

$$(187\,f(x) - 1867)\,(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x + 10\,x^{2} - f(x) + 16\,x + 1)$$

Sequence: A093485
Score: 6.77564
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 1,\ a(1) = 19,\ a(2) = 64\}$$

Sequence: A093500
Score: 12.8002
Type of gen. func.: ogf

$$-\frac{x^{2} + 3\,x + 11}{(x - 1)^{3}}$$

Sequence: A093500
Score: 24.3303
Type of gen. func.: lgdogf

$$-\frac{x^{2} + 8\,x + 36}{(x - 1)\,(x^{2} + 3\,x + 11)}$$

Sequence: A093500
Score: 6.78302
Type of gen. func.: ogf

$$(837 f(x) - 8359) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + x^{2} - f(x) + 3 x + 11)$$

Sequence: A093500
Score: 6.90098
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 11, a(1) = 36, a(2) = 76\}$$

Sequence: A093509
Score: 4.96138
Type of gen. func.: ogf

$$\frac{x (5 x^{8} - 4 x^{7} + 8 x^{6} - 6 x^{5} + 9 x^{4} - 6 x^{3} + 8 x^{2} - 4 x + 5)}{(x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A093544
Score: 10.3273
Type of gen. func.: ogf

$$\frac{(x^{2} + 5 x + 1) (x^{3} + 2 x^{2} + 1)}{(x - 1)^{2} (x^{2} + x + 1)^{2}}$$

Sequence: A093544
Score: 6.51415
Type of gen. func.: ogf

$$\{(-4 n - 17) a(n + 1) + (4 n + 5) a(n + 4), a(0) = 1, a(1) = 5, a(2) = 3, a(3) = 13\}$$

Sequence: A093544

Score: 9.33029
Type of gen. func.: lgdogf

$$-\frac{x^7 + 14 x^6 + 33 x^5 + 17 x^4 + 53 x^3 + 39 x^2 + 6 x + 5}{(x - 1) (x^2 + 5 x + 1) (x^3 + 2 x^2 + 1) (x^2 + x + 1)}$$

Sequence: A093545
Score: 6.38230
Type of gen. func.: ogf

$$\frac{x (x^{10} + 3 x^9 + 5 x^8 + x^7 + 5 x^6 + 5 x^5 + 2 x^4 + 5 x^3 + 5 x^2 + x + 2)}{(x^6 + x^3 + 1) (x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A093566
Score: 21.6767
Type of gen. func.: lgdogf

$$-\frac{5 (x^2 + 16 x + 4)}{(x - 1) (x^2 + 13 x + 1)}$$

Sequence: A093566
Score: 6.95292
Type of gen. func.: ogf

$$-\frac{x^4 (x^2 + 13 x + 1)}{(x - 1)^7}$$

Sequence: A093567
Score: 14.3684
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 13 x^2 - 38 x - 14}{(x - 1) (x^3 + 2 x^2 - 7 x - 1)}$$

Sequence: A093567
Score: 3.57183
Type of gen. func.: ogf

$$\{(151 n^2 + 1311 n + 2828) a(n + 1) + (-407 n^2 - 2859 n - 4552) a(n + 2) + (256 n^2 + 918 n + 812) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 14\}$$

Sequence: A093567
Score: 6.42274
Type of gen. func.: ogf

$$\frac{x (x^3 + 2 x^2 - 7 x - 1)}{(x - 1)^7}$$

Sequence: A093610
Score: 4.86225
Type of gen. func.: ogf

$$(x^{16} + x^{15} + 2 x^{14} + x^{13} + 2 x^{12} + x^{11} + 2 x^{10} + x^9 + 2 x^8 + 2 x^7 + x^6 + 2 x^5 + x^4 + 2 x^3 + x^2 + 2 x + 1) / ((1 + x) (x^2 + 1) (x^8 + 1) (x^4 + 1) (x - 1)^2)$$

Sequence: A093611
Score: 6.73849
Type of gen. func.: lgdogf

$$- \frac{x^{10} + 3 x^8 + 4 x^7 + 15 x^6 + 6 x^5 + 29 x^4 + 36 x^3 + 21 x^2 + 8 x + 3}{(1 + x) (x^6 + 6 x^3 - 1) (x^4 - x^3 + 2 x^2 + 2 x + 1)}$$

Sequence: A093611
Score: 8.97619
Type of gen. func.: ogf

$$-\frac{x(1+x)(x^4-x^3+2x^2+2x+1)}{x^6+6x^3-1}$$

Sequence: A093616
Score: 7.87210
Type of gen. func.: ogf

$$\frac{21x^{32}+50x^{19}-100x^{18}+50x^{17}-5}{(21x^{32}-5)(x-1)^2}$$

Sequence: A093620
Score: 12.9020
Type of gen. func.: lgdegf]

$$-205+82x+(164x^2-148x+1)f(x)+(32x^2-32x+8)f(x)^2$$

Sequence: A093620
Score: 4.94101
Type of gen. func.: ogf

$$\{(-4n^2-14n-12)a(n+1)+(4n+13)a(n+2)-a(n+3),\ a(0)=1,$$
$$a(1)=5,\ a(2)=43\}$$

Sequence: A093646
Score: 29.0179
Type of gen. func.: lgdogf

$$-\frac{19+81x}{(9x+1)(x-1)}$$

Sequence: A093646
Score: 4.60882
Type of gen. func.: ogf

$$\{(n+3)a(n+3)+(-3+8n)a(n+2)+(-90-9n)a(n+1),\ a(0)=1,$$

a(1) = 19, a(2) = 145}

Sequence: A093646
Score: 5.72386
Type of gen. func.: ogf

$$\frac{9 x + 1}{(x - 1)^{10}}$$

Sequence: A093652
Score: 5.62063
Type of gen. func.: lgdogf

$$- (x^{10} + 6 x^{9} + 6 x^{8} - 4 x^{7} - 10 x^{6} - 12 x^{5} - 8 x^{4} + 12 x^{3} + 21 x^{2} + 14 x + 2) \Big/ ((x^{7} + 3 x^{6} - 2 x^{5} - 7 x^{4} + x^{3} + x^{2} - 2 x - 1) (x^{4} - 4 x^{2} + 1))$$

Sequence: A093652
Score: 5.93718
Type of gen. func.: ogf

$$- \frac{x^{7} + 3 x^{6} - 2 x^{5} - 7 x^{4} + x^{3} + x^{2} - 2 x - 1}{(x^{4} - 4 x^{2} + 1)^{2}}$$

Sequence: A093695
Score: 19.5642
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^{2} + 2}{x - 1}$$

Sequence: A093697
Score: 5.62290
Type of gen. func.: ogf

$$(x^{30} - x^{29} - x^{17} + x^{14} + x^{11} + x^{10} + x^{9} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + 1) \Big/ \Big((x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}\Big)$$

Sequence: A093699
Score: 5.37057
Type of gen. func.: ogf

$$- \frac{x^{6} + 38 x^{5} + 95 x^{4} + 148 x^{3} + 79 x^{2} + 22 x + 1}{(1 + x)^{3} (x - 1)^{5}}$$

Sequence: A093699
Score: 6.26984
Type of gen. func.: lgdogf

$$- \frac{2 (x^{7} + 58 x^{6} + 231 x^{5} + 560 x^{4} + 575 x^{3} + 378 x^{2} + 105 x + 12)}{(x - 1) (1 + x) (x^{6} + 38 x^{5} + 95 x^{4} + 148 x^{3} + 79 x^{2} + 22 x + 1)}$$

Sequence: A093709
Score: 11.0414
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{3} - x^{2} + 1}{-x^{4} - 1}$$

Sequence: A093718
Score: 10.9171
Type of gen. func.: lgdogf

$$- \frac{2 x^{8} - 2 x^{7} + 2 x^{6} + 2 x^{5} - x^{4} + 6 x^{3} - x^{2} + 1}{(x - 1) (x^{2} + x + 1) (x^{2} - x + 1) (2 x^{4} - x^{3} + x^{2} + 1)}$$

Sequence: A093718
Score: 9.87353
Type of gen. func.: ogf

$$-\frac{2x^4 - x^3 + x^2 + 1}{(x-1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A093719
Score: 11.0455
Type of gen. func.: lgdogf

$$-\frac{x^{10} + 3x^8 + 5x^6 + 6x^5 + 5x^4 + 3x^2 + 1}{(x-1)(1+x)(x^2+x+1)(x^2-x+1)(x^5+x^3+x+1)}$$

Sequence: A093719
Score: 14.0372
Type of gen. func.: ogf

$$-\frac{x^5 + x^3 + x + 1}{(x-1)(1+x)(x^2+x+1)(x^2-x+1)}$$

Sequence: A093722
Score: 7.94598
Type of gen. func.: lgdogf

$$-\frac{3x^9 + 9x^8 + 23x^7 + 13x^6 + 41x^5 + 35x^4 + 32x^3 + 10x^2 + 11x + 3}{(x-1)(1+x)(x^2+1)(x^6+2x^5+4x^4+x^3+4x^2+2x+1)}$$

Sequence: A093722
Score: 8.33550
Type of gen. func.: ogf

```
         6      5      4    3      2
   x (x  + 2 x  + 4 x  + x  + 4 x  + 2 x + 1)
 - ------------------------------------------
                 2   2     2        3
```

$$(1 + x) (x + 1) (x - 1)$$

Sequence: A093732
Score: 3.77473
Type of gen. func.: ogf

$$-\frac{259620 x^5 + 107048 x^4 - 20467 x^3 - 729 x^2 + 127 x + 1}{(9 x - 1) (6 x - 1) (7 x - 1) (5 x - 1) (31 x - 1) (10 x - 1) (16 x - 1)}$$

Sequence: A093798
Score: 7.83349
Type of gen. func.: ogf

$$-(1000 f(x) x^2 - 110 f(x) x + f(x) - 900 x)^2$$

Sequence: A093798
Score: 7.99134
Type of gen. func.: lgdogf

$$-\frac{10 (-11 + 200 x)}{(100 x - 1) (10 x - 1)}$$

Sequence: A093801
Score: 13.7665
Type of gen. func.: ogf

$$\frac{3 x + 1}{(6 x - 1) (-1 + 3 x)}$$

Sequence: A093801
Score: 14.7877
Type of gen. func.: revogf

$$-\frac{-1 - 9 x + (9 x^2 + 30 x + 1)^{1/2}}{6 (6 x - 1)}$$

Sequence: A093801
Score: 15.1483
Type of gen. func.: lgdogf

$$-\frac{6\,(9\,x^2 + 6\,x - 2)}{(6\,x - 1)\,(-1 + 3\,x)\,(3\,x + 1)}$$

Sequence: A093801
Score: 7.19614
Type of gen. func.: ogf

$$(17\,f(x) + 47)\,(18\,f(x)\,x^2 - 9\,f(x)\,x + f(x) - 3\,x - 1)$$

Sequence: A093801
Score: 7.53881
Type of gen. func.: ogf

$$\{-a(n + 2) + 9\,a(n + 1) - 18\,a(n),\ a(0) = 1,\ a(1) = 12\}$$

Sequence: A093829
Score: 17.1326
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-1 + 2\,x}{-x^2 + x - 1}$$

Sequence: A093833
Score: 10.5221
Type of gen. func.: ogf

$$\frac{(x - 1)^2}{(-1 + 3\,x)\,(-1 + 2\,x)\,(1 + x)}$$

Sequence: A093833
Score: 13.1003
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^{3}-9\,x^{2}+x+1)}{(x-1)\,(-1+3\,x)\,(-1+2\,x)\,(1+x)}$$

Sequence: A093833
Score: 5.68004
Type of gen. func.: ogf

$$(11\,f(x)+13)\,(6\,f(x)\,x^{3}+f(x)\,x^{2}-4\,f(x)\,x-x^{2}+f(x)+2\,x-1)$$

Sequence: A093833
Score: 5.73077
Type of gen. func.: ogf

$$\{a(n+3)-4\,a(n+2)+a(n+1)+6\,a(n),\ a(0)=1,\ a(1)=2,\ a(2)=8\}$$

Sequence: A093834
Score: 12.1237
Type of gen. func.: ogf

$$\frac{(-1+2\,x)^{2}}{(-1+3\,x)\,(4\,x-1)}$$

Sequence: A093834
Score: 19.4535
Type of gen. func.: lgdogf

$$\frac{-3+10\,x}{(-1+3\,x)\,(-1+2\,x)\,(4\,x-1)}$$

Sequence: A093834
Score: 6.29498
Type of gen. func.: ogf

$$\{-a(n+3)+7\,a(n+2)-12\,a(n+1),\ a(0)=1,\ a(1)=3,\ a(2)=13\}$$

Sequence: A093834

Score: 6.6804
Type of gen. func.: ogf

$$-(f(x) + 1) (12 f(x) x^2 - 7 f(x) x - 4 x^2 + f(x) + 4 x - 1)$$

Sequence: A093835
Score: 10.2559
Type of gen. func.: ogf

$$\frac{x (2 x^2 + 1)}{(-1 + 2 x)^2 (1 + x)^2}$$

Sequence: A093835
Score: 16.4108
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^3 + 6 x + 1)}{(-1 + 2 x) (1 + x) (2 x^2 + 1)}$$

Sequence: A093835
Score: 3.80934
Type of gen. func.: ogf

$$\{(-2 n^2 - 10 n - 12) a(n + 1) + (-n^2 - 4 n - 3) a(n + 2)$$
$$+ (n^2 + 3 n + 2) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A093835
Score: 4.93803
Type of gen. func.: ogf

$$-(9882 f(x) - 6493)$$
$$(4 f(x) x^4 + 4 f(x) x^3 - 3 f(x) x^2 - 2 x^3 - 2 f(x) x + f(x) - x)$$

Sequence: A093882

Score: 6.22534
Type of gen. func.: ogf

$$-\frac{x^{10}\,(9x^{10}-x^{9}-x^{8}-x^{7}-x^{6}-x^{5}-x^{4}-x^{3}-x^{2}-x-1)}{(1+x)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{4}-x^{3}+x^{2}-x+1)\,(x-1)^{2}}$$

Sequence: A093907
Score: 13.1276
Type of gen. func.: lgdogf

$$-\frac{(x+2)\,(x^{4}-3x^{3}+3x^{2}+x+2)}{(x-1)\,(1+x)\,(x^{4}-x^{3}-2x^{2}+3x+1)}$$

Sequence: A093907
Score: 8.92248
Type of gen. func.: ogf

$$-\frac{2\,(x^{4}-x^{3}-2x^{2}+3x+1)}{(1+x)^{2}\,(x-1)^{3}}$$

Sequence: A093916
Score: 17.2800
Type of gen. func.: ogf

$$-\frac{2x^{5}+3x^{4}+3x^{3}+3x^{2}+7x+2}{(x-1)^{3}\,(1+x)^{3}}$$

Sequence: A093916
Score: 17.6801
Type of gen. func.: lgdogf

$$-\frac{2x^{6}+6x^{5}+19x^{4}+24x^{3}+44x^{2}+18x+7}{(x-1)\,(1+x)\,(2x^{5}+3x^{4}+3x^{3}+3x^{2}+7x+2)}$$

```
------------------------------------------------------------------------------

Sequence:  A093917
Score: 4.82172
Type of gen. func.: ogf


    3       2                           3      2
{(-n  - 12 n  - 49 n - 68) a(n + 1) + (n  + 6 n  + 13 n + 10) a(n + 3),

    a(0) = 2, a(1) = 15, a(2) = 30}



------------------------------------------------------------------------------

Sequence:  A093917
Score: 6.66102
Type of gen. func.: lgdogf


             7       6        5        4        3        2
          4 x  + 45 x  + 100 x  + 285 x  + 220 x  + 231 x  + 60 x + 15
      - -----------------------------------------------------------------
                            6       5       4       3       2
        (x - 1) (1 + x) (2 x  + 15 x  + 22 x  + 42 x  + 22 x  + 15 x + 2)



------------------------------------------------------------------------------

Sequence:  A093917
Score: 6.79424
Type of gen. func.: ogf


                   6       5       4       3       2
                2 x  + 15 x  + 22 x  + 42 x  + 22 x  + 15 x + 2
                -----------------------------------------------
                                      4        4
                               (x - 1)  (1 + x)



------------------------------------------------------------------------------

Sequence:  A093918
Score: 10.3180
Type of gen. func.: lgdogf


                    6      5       4       3       2
                   x  + 2 x  + 14 x  + 24 x  + 49 x  + 22 x + 8
              - ---------------------------------------------------
                                  2              3    2
                (x - 1) (1 + x) (x  + 2 x + 2) (x  - x  + 3 x + 1)



------------------------------------------------------------------------------

Sequence:  A093918
Score: 9.45038
Type of gen. func.: ogf


                          2              3    2
                        (x  + 2 x + 2) (x  - x  + 3 x + 1)
                      - ----------------------------------
                                       3        3
```

$$(x - 1)\ (1 + x)$$

Sequence: A093949
Score: 17.0204
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4 x^2 + x + 1}{x^3 - 1}$$

Sequence: A093951
Score: 7.73551
Type of gen. func.: ogf

$$-f(x)^3 x^4 - 8 f(x)^2 x^2 + 4 f(x)^2 x - 6 f(x) x + f(x) - 1$$

Sequence: A093951
Score: 9.87860
Type of gen. func.: revogf

$$\frac{2 (4 x + 1)^{1/2} x^2 + 4 (4 x + 1)^{1/2} x + (4 x + 1)^{1/2} - 1 - 6 x - 8 x^2}{2 x^3}$$

Sequence: A093953
Score: 2.79629
Type of gen. func.: ogf

$$(1868317 f(x) - 1025620) (10 f(x) x^3 - 17 f(x) x^2 + 8 f(x) x - f(x) + 2 x + 1)$$

Sequence: A093953
Score: 2.82040
Type of gen. func.: ogf

$\{a(n + 3) - 8 a(n + 2) + 17 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 10, a(2) = 63\}$

Sequence: A093953
Score: 5.74682
Type of gen. func.: lgdogf

$$-\frac{2 (1 + x) (20 x^2 - 22 x + 5)}{(x - 1) (2 x + 1) (-1 + 2 x) (5 x - 1)}$$

Sequence: A093953
Score: 5.94847
Type of gen. func.: ogf

$$-\frac{2 x + 1}{(x - 1) (-1 + 2 x) (5 x - 1)}$$

Sequence: A093960
Score: 12.4897
Type of gen. func.: ogf

$$\frac{(1 + x) (x - 1)^2}{x^2 - 3 x + 1}$$

Sequence: A093960
Score: 15.3916
Type of gen. func.: lgdogf

$$\frac{x^3 - 5 x^2 + 2 x - 2}{(x - 1) (1 + x) (x^2 - 3 x + 1)}$$

Sequence: A093960
Score: 6.62495
Type of gen. func.: ogf

$\{a(n + 4) - 3 a(n + 3) + a(n + 2), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 11\}$

Sequence: A093960
Score: 7.4693
Type of gen. func.: ogf

$$(10 f(x) - 7) (f(x) x^2 - x^3 - 3 f(x) x + x^2 + f(x) + x - 1)$$

Sequence: A093964
Score: 20.7541
Type of gen. func.: lgdegf]

$$\frac{x^3 - 4 x^2 + 3 x + 6}{(x - 1) (x^2 - 2 x - 1)}$$

Sequence: A093964
Score: 4.43173
Type of gen. func.: ogf

$$\{(-n^2 - 5 n - 6) a(n + 1) + (n^2 + 7 n + 12) a(n + 2) + (-n - 2) a(n + 3),$$

$$a(0) = 0, a(1) = 1, a(2) = 6\}$$

Sequence: A093965
Score: 4.17946
Type of gen. func.: ogf

$$\{(-n^2 - 7 n - 12) a(n + 1) + (n^2 + 9 n + 20) a(n + 2) + (-n - 3) a(n + 3),$$

$$a(0) = 1, a(1) = 4, a(2) = 21\}$$

Sequence: A093967
Score: 10.5605
Type of gen. func.: ogf

$$\frac{x (x^2 + 1)}{(x^2 + 2 x - 1)^2}$$

Sequence: A093967
Score: 19.8952
Type of gen. func.: lgdogf

$$-\frac{2(x^3+3x+2)}{(x^2+1)(x^2+2x-1)}$$

Sequence: A093967
Score: 3.96782
Type of gen. func.: ogf

$$\{(n^2+5n+6)a(n+1)+(2n^2+8n+6)a(n+2)+(-n^2-3n-2)a(n+3)$$

$$, a(0)=0, a(1)=1, a(2)=4\}$$

Sequence: A093967
Score: 5.36277
Type of gen. func.: ogf

$$(236 f(x)-65)(f(x)x^4+4f(x)x^3+2f(x)x^2-x^3-4f(x)x+f(x)-x)$$

Sequence: A093968
Score: 12.5522
Type of gen. func.: ogf

$$\frac{x(2x^2+2x+1)}{(2x^2-1)^2}$$

Sequence: A093968
Score: 16.4064
Type of gen. func.: lgdogf

$$-\frac{2(4x^3+6x^2+6x+1)}{(2x^2-1)(2x^2+2x+1)}$$

Sequence: A093968
Score: 6.65812
Type of gen. func.: ogf

$$\{(2 n + 6) a(n + 1) + (-n - 1) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A093968
Score: 8.69052
Type of gen. func.: ogf

$$(4 f(x) - 1) (4 f(x) x^4 - 4 f(x) x^2 - 2 x^3 - 2 x^2 + f(x) - x)$$

Sequence: A093969
Score: 14.9233
Type of gen. func.: lgdogf

$$- \frac{2 x (5 x^2 - 6 x + 3)}{(5 x^2 - 4 x + 1) (x^2 + 2 x - 1)}$$

Sequence: A093969
Score: 4.73827
Type of gen. func.: ogf

$$\{a(n + 4) - 4 a(n + 3) + 2 a(n + 2) + 4 a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 0, a(3) = 3\}$$

Sequence: A093969
Score: 4.80694
Type of gen. func.: ogf

$$-(4 f(x) - 13)$$

$$(f(x) x^4 + 4 f(x) x^3 + 2 f(x) x^2 - 5 x^3 - 4 f(x) x + 4 x^2 + f(x) - x)$$

Sequence: A093969
Score: 9.08710
Type of gen. func.: ogf

$$\frac{x (5 x^2 - 4 x + 1)}{(x^2 + 2 x - 1)^2}$$

Sequence: A093985
Score: 5.76297
Type of gen. func.: ogf

$$\{a(n + 1) + (-2 n - 6) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 2, a(2) = 7\}$$

Sequence: A093986
Score: 3.06476
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 1) + (2 n^2 + 11 n + 16) a(n + 2) + (-2 n^2 - 17 n - 34) a(n + 3) + (n + 4) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 17\}$$

Sequence: A094002
Score: 11.1515
Type of gen. func.: ogf

$$\frac{x^2 - x - 1}{(-1 + 2 x) (x - 1)^2}$$

Sequence: A094002
Score: 15.1508
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 2 x^2 - 7 x + 5}{(x - 1) (-1 + 2 x) (x^2 - x - 1)}$$

Sequence: A094002
Score: 5.86413
Type of gen. func.: ogf

$$(701 f(x) - 1755) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x - x^2 - f(x) + x + 1)$$

Sequence: A094002
Score: 6.01982
Type of gen. func.: ogf

$$\{a(n+3) - 4 a(n+2) + 5 a(n+1) - 2 a(n), a(0) = 1, a(1) = 5, a(2) = 14\}$$

Sequence: A094012
Score: 11.3257
Type of gen. func.: lgdogf

$$-\frac{2 (-1 + 2 x) (10 x^2 - 4 x + 1)}{(2 x^2 - 4 x + 1) (10 x^2 - 6 x + 1)}$$

Sequence: A094012
Score: 3.50985
Type of gen. func.: ogf

$$\{(2 n^2 + 10 n + 12) a(n+1) + (-4 n^2 - 16 n - 12) a(n+2) + (n^2 + 3 n + 2) a(n+3), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A094012
Score: 4.56796
Type of gen. func.: ogf

$$(4 f(x) + 1) (4 f(x) x^4 - 16 f(x) x^3 + 20 f(x) x^2 - 10 x^3 - 8 f(x) x + 6 x^2 + f(x) - x)$$

Sequence: A094012
Score: 8.17426
Type of gen. func.: ogf

$$\frac{x (10 x^2 - 6 x + 1)}{(2 x^2 - 4 x + 1)^2}$$

Sequence: A094013
Score: 13.4478
Type of gen. func.: ogf

$$\frac{4 x - 1}{4 x^{2} + 4 x - 1}$$

Sequence: A094013
Score: 15.2755
Type of gen. func.: revogf

$$\frac{-1 - 4 x + (32 x^{2} - 8 x + 1)^{1/2}}{8 (x - 1)}$$

Sequence: A094013
Score: 17.5219
Type of gen. func.: lgdogf

$$- \frac{8 x (-1 + 2 x)}{(4 x - 1) (4 x^{2} + 4 x - 1)}$$

Sequence: A094013
Score: 7.47099
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 0\}$$

Sequence: A094013
Score: 9.60556
Type of gen. func.: ogf

$$4 f(x) x^{2} + 4 f(x) x - f(x) - 4 x + 1$$

Sequence: A094014
Score: 14.9266
Type of gen. func.: revegf]

$$1/2 \qquad 1/2$$

$$1/4\ 2\ (\ln(1 + 2) + \operatorname{arcsinh}(4 x - 1))$$

Sequence: A094014
Score: 14.9396
Type of gen. func.: ogf

$$\frac{-1 + 2 x}{8 x^2 - 1}$$

Sequence: A094014
Score: 18.8778
Type of gen. func.: lgdogf

$$- \frac{2 (8 x^2 - 8 x + 1)}{(-1 + 2 x) (8 x^2 - 1)}$$

Sequence: A094014
Score: 8.62707
Type of gen. func.: ogf

$$-(6 f(x) - 5) (8 f(x) x^2 - f(x) - 2 x + 1)$$

Sequence: A094014
Score: 9.57067
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n), a(0) = 1, a(1) = -2\}$$

Sequence: A094015
Score: 15.1780
Type of gen. func.: ogf

$$- \frac{4 x + 1}{8 x^2 - 1}$$

Sequence: A094015
Score: 16.0333
Type of gen. func.: revogf

$$\frac{-1 + (32 x^2 + 16 x + 1)^{1/2}}{8 (2 x + 1)}$$

Sequence: A094015
Score: 17.9196
Type of gen. func.: lgdogf

$$- \frac{4 (8 x^2 + 4 x + 1)}{(4 x + 1) (8 x^2 - 1)}$$

Sequence: A094015
Score: 9.72339
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A094015
Score: 9.87772
Type of gen. func.: ogf

$$-f(x) (8 f(x) x^2 - f(x) + 4 x + 1)$$

Sequence: A094024
Score: 15.1321
Type of gen. func.: ogf

$$- \frac{2 x + 1}{(1 + x) (2 x^2 - 1)}$$

Sequence: A094024
Score: 17.4693
Type of gen. func.: lgdogf

$$-\frac{8 x^{3} + 10 x^{2} + 4 x + 1}{(2 x + 1) (1 + x) (2 x^{2} - 1)}$$

Sequence: A094024
Score: 7.16071
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) + 2 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A094024
Score: 7.7864
Type of gen. func.: ogf

$$(f(x) - 1) (2 f(x) x^{3} + 2 f(x) x^{2} - f(x) x - f(x) + 2 x + 1)$$

Sequence: A094025
Score: 12.0289
Type of gen. func.: lgdogf

$$-\frac{27 x^{4} + 12 x^{3} - 12 x^{2} - 8 x - 3}{(x - 1) (3 x + 1) (1 + x) (3 x^{2} - 1)}$$

Sequence: A094025
Score: 15.0195
Type of gen. func.: ogf

$$\frac{3 x + 1}{(x - 1) (1 + x) (3 x^{2} - 1)}$$

Sequence: A094025
Score: 8.1773
Type of gen. func.: ogf

$$(908 f(x) - 2133) (3 f(x) x^{4} - 4 f(x) x^{2} + f(x) - 3 x - 1)$$

Sequence: A094026
Score: 11.2661
Type of gen. func.: ogf

$$\frac{x\,(10\,x+1)}{(x-1)\,(1+x)\,(10\,x^{2}-1)}$$

Sequence: A094026
Score: 6.309
Type of gen. func.: ogf

$$-(999\,f(x)+446)\,(10\,f(x)\,x^{4}-11\,f(x)\,x^{2}-10\,x^{2}+f(x)-x)$$

Sequence: A094026
Score: 9.41279
Type of gen. func.: lgdogf

$$-\frac{2\,(150\,x^{4}+20\,x^{3}-55\,x^{2}-11\,x-5)}{(x-1)\,(10\,x+1)\,(1+x)\,(10\,x^{2}-1)}$$

Sequence: A094027
Score: 4.82613
Type of gen. func.: ogf

$$-(999999\,f(x)+494951)\,(100\,f(x)\,x^{4}-101\,f(x)\,x^{2}-100\,x^{2}+f(x)-x)$$

Sequence: A094027
Score: 6.38736
Type of gen. func.: lgdogf

$$-\frac{2\,(15000\,x^{4}+200\,x^{3}-5050\,x^{2}-101\,x-50)}{(x-1)\,(10\,x+1)\,(100\,x+1)\,(10\,x-1)\,(1+x)}$$

Sequence: A094027
Score: 8.91605
Type of gen. func.: ogf

$$\frac{x (100 x + 1)}{(x - 1) (10 x + 1) (10 x - 1) (1 + x)}$$

Sequence: A094028
Score: 10.6784
Type of gen. func.: ogf

$$\frac{1}{(100 x - 1) (x - 1)}$$

Sequence: A094028
Score: 13.2814
Type of gen. func.: lgdogf

$$- \frac{-101 + 200 x}{(100 x - 1) (x - 1)}$$

Sequence: A094028
Score: 4.48978
Type of gen. func.: ogf

$$\{-a(n + 2) + 101 a(n + 1) - 100 a(n), a(0) = 1, a(1) = 101\}$$

Sequence: A094028
Score: 7.23139
Type of gen. func.: ogf

$$(10001 f(x) + 200) (100 f(x) x^2 - 101 f(x) x + f(x) - 1)$$

Sequence: A094028
Score: 7.70322
Type of gen. func.: revogf

$$- \frac{-101 x - 1 + (81 x + 1)^{1/2} (121 x + 1)^{1/2}}{200 x}$$

Sequence: A094033
Score: 14.1864
Type of gen. func.: ogf

$$-\frac{3 x^3}{(x - 1) (-1 + 3 x) (-1 + 2 x)}$$

Sequence: A094033
Score: 16.6482
Type of gen. func.: lgdogf

$$-\frac{2 (9 x^2 - 11 x + 3)}{(x - 1) (-1 + 3 x) (-1 + 2 x)}$$

Sequence: A094033
Score: 5.01982
Type of gen. func.: ogf

$\{-a(n + 4) + 6 a(n + 3) - 11 a(n + 2) + 6 a(n + 1), a(0) = 0, a(1) = 0,$

$a(2) = 0, a(3) = 3\}$

Sequence: A094033
Score: 6.52576
Type of gen. func.: ogf

$$-f(x) (6 f(x) x^3 - 11 f(x) x^2 + 3 x^3 + 6 f(x) x - f(x))$$

Sequence: A094034
Score: 5.46876
Type of gen. func.: ogf

$$-\frac{x^3 (5 x + 1) (56 x^2 - 11 x - 1)}{(x - 1) (4 x - 1) (-1 + 3 x) (-1 + 2 x) (7 x - 1) (5 x - 1)}$$

Sequence: A094038
Score: 10.4802
Type of gen. func.: lgdogf

$$-\frac{2\,(12\,x^4-24\,x^3+12\,x^2-1)}{(-1+2\,x)\,(2\,x^2-1)\,(2\,x^2-4\,x+1)}$$

Sequence: A094038
Score: 11.2033
Type of gen. func.: ogf

$$\frac{x\,(-1+2\,x)}{(2\,x^2-1)\,(2\,x^2-4\,x+1)}$$

Sequence: A094038
Score: 5.75304
Type of gen. func.: ogf

$$-(2\,f(x)-3)\,(4\,f(x)\,x^4-8\,f(x)\,x^3+4\,f(x)\,x-2\,x^2-f(x)+x)$$

Sequence: A094039
Score: 4.83054
Type of gen. func.: ogf

$\{-a(n+4)+4\,a(n+3)-a(n+2)-6\,a(n+1),\ a(0)=0,\ a(1)=1,\ a(2)=2,$

$a(3)=6\}$

Sequence: A094039
Score: 5.50261
Type of gen. func.: ogf

$$(f(x)+2)\,(6\,f(x)\,x^3+f(x)\,x^2+x^3-4\,f(x)\,x+2\,x^2+f(x)-x)$$

Sequence: A094039
Score: 9.73540
Type of gen. func.: ogf

$$-\frac{x\,(x^2+2\,x-1)}{(-1+3\,x)\,(-1+2\,x)\,(1+x)}$$

Sequence: A094039
Score: 9.88752
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^4+12\,x^3-6\,x^2-2\,x+1)}{(-1+3\,x)\,(-1+2\,x)\,(1+x)\,(x^2+2\,x-1)}$$

Sequence: A094041
Score: 8.04519
Type of gen. func.: ogf

$$\frac{3\,x^8+2\,x^7+2\,x^6+2\,x^5+2\,x^4+2\,x^3+2\,x^2+2\,x+2}{(x^2+x+1)\,(x^6+x^3+1)\,(x-1)^2}$$

Sequence: A094042
Score: 6.87364
Type of gen. func.: ogf

$$\frac{x^{10}+x^9+2\,x^8+2\,x^7+2\,x^6+2\,x^5+2\,x^4+2\,x^3+2\,x^2+2\,x+1}{(1+x)\,(x^4+x^3+x^2+x+1)\,(x^4-x^3+x^2-x+1)\,(x-1)^2}$$

Sequence: A094052
Score: 11.5126
Type of gen. func.: lgdogf

$$-\frac{x\,(4\,x^4+9\,x^3-2\,x^2-12\,x+6)}{(-1+2\,x)\,(x^2+x-1)\,(x^3+2\,x^2-x-1)}$$

Sequence: A094052

Score: 5.48005
Type of gen. func.: ogf

$$(9 f(x) - 1) (2 f(x) x^4 + 3 f(x) x^3 - 4 f(x) x^2 + x^3 - f(x) x + x^2 + f(x) - x)$$

Sequence: A094052
Score: 9.98421
Type of gen. func.: ogf

$$- \frac{x (x^2 + x - 1)}{(-1 + 2 x) (x^3 + 2 x^2 - x - 1)}$$

Sequence: A094075
Score: 3.68565
Type of gen. func.: ogf

$$\frac{105 (x^6 + 120 x^5 + 1191 x^4 + 2416 x^3 + 1191 x^2 + 120 x + 1)}{(x - 1)^8}$$

Sequence: A094075
Score: 5.51991
Type of gen. func.: lgdogf

$$- \frac{2 (x^6 + 183 x^5 + 2682 x^4 + 8422 x^3 + 7197 x^2 + 1611 x + 64)}{(x - 1) (x^6 + 120 x^5 + 1191 x^4 + 2416 x^3 + 1191 x^2 + 120 x + 1)}$$

Sequence: A094081
Score: 7.06800
Type of gen. func.: ogf

$$- \frac{5 x^4 + 160 x^3 + 438 x^2 + 160 x + 5}{(x - 1)^5}$$

Sequence: A094081
Score: 9.46484
Type of gen. func.: lgdogf

$$-\frac{5 x^4 + 340 x^3 + 1794 x^2 + 1516 x + 185}{(x - 1) (5 x^4 + 160 x^3 + 438 x^2 + 160 x + 5)}$$

Sequence: A094085
Score: 13.122
Type of gen. func.: ogf

$$-8 f(x) x + f(x) - 72 x - 3$$

Sequence: A094085
Score: 14.4349
Type of gen. func.: revogf

$$- 1/48 - \frac{x}{18} + \frac{(64 x^2 + 336 x + 9)^{1/2}}{144}$$

Sequence: A094085
Score: 15.8845
Type of gen. func.: ogf

$$-\frac{3 (1 + 24 x)}{8 x - 1}$$

Sequence: A094085
Score: 29.5916
Type of gen. func.: lgdogf

$$-\frac{32}{(1 + 24 x) (8 x - 1)}$$

Sequence: A094085
Score: 8.26863
Type of gen. func.: ogf

$\{a(n+2) - 8\,a(n+1),\ a(0) = 3,\ a(1) = 96\}$

Sequence: A094103
Score: 8.21606
Type of gen. func.: lgdogf

$$-\frac{4x^9 + 5x^8 + 8x^7 + 9x^6 + 2x^5 + 2x^4 - 6x^3 - 7x^2 - 4x - 1}{(x-1)(1+x)(x^2+1)(x^4+x^2-1)(x^2+x+1)}$$

Sequence: A094103
Score: 9.31413
Type of gen. func.: ogf

$$\frac{(1+x)(x^2+1)}{(x-1)(x^2+x+1)(x^4+x^2-1)}$$

Sequence: A094125
Score: 12.2354
Type of gen. func.: ogf

$$6 f(x) x^2 - 5 f(x) x + f(x) + 13 x - 5$$

Sequence: A094125
Score: 17.0232
Type of gen. func.: ogf

$$-\frac{13x - 5}{(-1+3x)(-1+2x)}$$

Sequence: A094125
Score: 17.9009
Type of gen. func.: lgdogf

$$-\frac{6(13x^2 - 10x + 2)}{(13x-5)(-1+3x)(-1+2x)}$$

Sequence: A094125
Score: 18.7741
Type of gen. func.: revogf

$$-\frac{-5 - 5 x + (x^2 - 2 x + 25)^{1/2}}{2 (13 + 6 x)}$$

Sequence: A094125
Score: 9.43454
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 6 a(n), a(0) = 5, a(1) = 12\}$$

Sequence: A094159
Score: 13.9578
Type of gen. func.: ogf

$$-\frac{3 x (3 x + 1)}{(x - 1)^3}$$

Sequence: A094159
Score: 35.6442
Type of gen. func.: lgdogf

$$-\frac{6 (1 + x)}{(3 x + 1) (x - 1)}$$

Sequence: A094159
Score: 6.79994
Type of gen. func.: ogf

$$-(1072 f(x) - 4095) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 9 x^2 - f(x) + 3 x)$$

Sequence: A094159
Score: 7.10350
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 3, a(2) = 18\}$

Sequence: A094160
Score: 18.8707
Type of gen. func.: lgdogf

$$- \frac{32 x^2 + 77 x + 19}{(x - 1) (16 x^2 + 15 x + 1)}$$

Sequence: A094160
Score: 3.69616
Type of gen. func.: ogf

$\{(n + 3) a(n + 4) + (9 + 14 n) a(n + 3) + (-76 + n) a(n + 2)$

$+ (-32 - 16 n) a(n + 1), a(0) = 0, a(1) = 4, a(2) = 76, a(3) = 344\}$

Sequence: A094160
Score: 4.8482
Type of gen. func.: ogf

$-(33128448 f(x) + 914116051)$

$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 64 x^3 - 4 f(x) x - 60 x^2 + f(x) - 4 x)$

Sequence: A094160
Score: 9.95499
Type of gen. func.: ogf

$$\frac{4 x (16 x^2 + 15 x + 1)}{(x - 1)^4}$$

Sequence: A094161
Score: 10.7254
Type of gen. func.: lgdogf

3   2

$$-\frac{224 x + 1023 x + 690 x + 63}{(x - 1) (112 x^3 + 229 x^2 + 58 x + 1)}$$

Sequence: A094161
Score: 8.09441
Type of gen. func.: ogf

$$-\frac{5 x (112 x^3 + 229 x^2 + 58 x + 1)}{(x - 1)^5}$$

Sequence: A094170
Score: 10.1444
Type of gen. func.: lgdogf

$$-\frac{2 (x^6 + 3 x^5 + 12 x^4 + 18 x^3 + 33 x^2 + 18 x + 5)}{(x - 1) (1 + x) (x^5 + x^4 + 4 x^3 + 4 x^2 + 7 x + 1)}$$

Sequence: A094170
Score: 6.71414
Type of gen. func.: ogf

$$-\frac{x^2 (x^5 + x^4 + 4 x^3 + 4 x^2 + 7 x + 1)}{(1 + x)^2 (x - 1)^5}$$

Sequence: A094187
Score: 22.1074
Type of gen. func.: revegf]

$$\frac{x (x + 2)}{2 (9 x + 1)^2}$$

Sequence: A094187
Score: 3.73634
Type of gen. func.: egf]

$$892296 f(x)^2 x^3 - 37260 f(x)^2 x^2 + 358 f(x)^2 x - f(x)^2 + 9792 f(x) x - 288 f(x) + 289$$

Sequence: A094187
Score: 8.92800
Type of gen. func.: lgdegf]

$$-\frac{8262 x - 179 + 144 (1 - 34 x)^{1/2}}{(162 x - 1) (-1 + 34 x)}$$

Sequence: A094188
Score: 10.4390
Type of gen. func.: ogf

$$-\frac{x - 1}{(1 + x) (x^2 + x - 1)^2}$$

Sequence: A094188
Score: 19.1767
Type of gen. func.: lgdogf

$$-\frac{2 x (2 x^2 - 3)}{(x - 1) (1 + x) (x^2 + x - 1)}$$

Sequence: A094195
Score: 14.2465
Type of gen. func.: ogf

$$\frac{4 x - 1}{(5 x - 1) (x - 1)^2}$$

Sequence: A094195
Score: 19.3958
Type of gen. func.: lgdogf

$$-\frac{40 x^2 - 19 x + 3}{(x - 1) (4 x - 1) (5 x - 1)}$$

Sequence: A094195
Score: 6.74835
Type of gen. func.: ogf

{a(n + 3) - 7 a(n + 2) + 11 a(n + 1) - 5 a(n), a(0) = 1, a(1) = 3, a(2) = 10}

Sequence: A094195
Score: 6.99374
Type of gen. func.: ogf

$$(4341 f(x) + 2315) (5 f(x) x^3 - 11 f(x) x^2 + 7 f(x) x - f(x) - 4 x + 1)$$

Sequence: A094196
Score: 4.47066
Type of gen. func.: ogf

$$(4 x^{12} + 4 x^{11} + 3 x^{10} + x^9 + 3 x^8 + 4 x^7 - 35 x^6 - 32 x^5 - 19 x^4 - 5 x^3 - 11 x^2 - 8 x - 1) / ((x - 1) (x^{12} - 10 x^6 + 1))$$

Sequence: A094200
Score: 6.83664
Type of gen. func.: ogf

$$-\frac{3 x^4 + 92 x^3 + 194 x^2 + 92 x + 3}{(x - 1)^5}$$

Sequence: A094200
Score: 9.47654
Type of gen. func.: lgdogf

4 3 2

$$-\frac{3 x + 196 x + 858 x + 756 x + 107}{(x - 1) (3 x^4 + 92 x^3 + 194 x^2 + 92 x + 3)}$$

Sequence: A094201
Score: 5.87259
Type of gen. func.: ogf

$$\frac{37 x^4 + 206 x^3 + 198 x^2 + 38 x + 1}{(x - 1)^6}$$

Sequence: A094201
Score: 8.55137
Type of gen. func.: lgdogf

$$-\frac{2 (37 x^4 + 383 x^3 + 705 x^2 + 293 x + 22)}{(x - 1) (37 x^4 + 206 x^3 + 198 x^2 + 38 x + 1)}$$

Sequence: A094211
Score: 3.40316
Type of gen. func.: ogf

$$(75185520397038261 f(x) - 21542075932591331) (128 f(x) x^4 + 36991 f(x) x^3$$
$$- 7585 f(x) x^2 - 10569 x^3 - 71 f(x) x + 4293 x^2 + f(x) + 69 x - 1)$$

Sequence: A094211
Score: 4.77891
Type of gen. func.: ogf

$$\frac{10569 x^3 - 4293 x^2 - 69 x + 1}{(128 x - 1) (x^3 + 289 x^2 - 57 x - 1)}$$

Sequence: A094213
Score: 3.52029

Type of gen. func.: ogf

$$-\frac{1547833 x^4 + 3035380 x^3 - 91731 x^2 - 263 x + 1}{(512 x - 1) (1 + x) (x^3 - 13605 x^2 + 246 x + 1)}$$

Sequence: A094218
Score: 3.41598
Type of gen. func.: ogf

$$\{(-4 n^2 - 22 n - 30) a(n + 1) + (-31 n^2 - 267 n - 602) a(n + 2) + (8 n^2 + 64 n) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 2\}$$

Sequence: A094219
Score: 3.88396
Type of gen. func.: ogf

$$\{(-4 n^2 - 30 n - 50) a(n + 1) + (n^2 + 6 n - 16) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 7\}$$

Sequence: A094233
Score: 4.71041
Type of gen. func.: ogf

$$-f(x) (2 f(x) x^5 - 5 f(x) x^4 - 4 f(x) x^3 + x^4 + 5 f(x) x^2 + 2 x^3 + f(x) x - 3 x^2 - f(x) - x + 1)$$

Sequence: A094233
Score: 7.80162
Type of gen. func.: lgdogf

$$-\frac{2 x (x^7 + 4 x^6 - 12 x^5 + 6 x^4 + 12 x^3 - 6 x^2 - 4 x + 2)}{(x - 1) (-1 + 2 x) (1 + x) (x^3 - 3 x^2 + 1) (x^3 + 3 x^2 - 1)}$$

Sequence: A094233
Score: 8.05329
Type of gen. func.: ogf

$$-\frac{(x-1)(x^3+3x^2-1)}{(-1+2x)(1+x)(x^3-3x^2+1)}$$

Sequence: A094247
Score: 10.0640
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^9+x^8+x^6+x^2+1}{-x^{10}+1}$$

Sequence: A094248
Score: 10.2889
Type of gen. func.: ogf

$$-\frac{5x^2+7x+1}{5x^3+2x^2-1}$$

Sequence: A094248
Score: 6.23901
Type of gen. func.: ogf

$\{-a(n+3)+2a(n+1)+5a(n), a(0)=1, a(1)=7, a(2)=7\}$

Sequence: A094248
Score: 8.0662
Type of gen. func.: ogf

$$-(219 f(x)+565)(5 f(x) x^3+2 f(x) x^2+5x^2-f(x)+7x+1)$$

Sequence: A094248
Score: 9.55231

Type of gen. func.: lgdogf

$$-\frac{25 x^4 + 70 x^3 + 29 x^2 + 14 x + 7}{(5 x^2 + 7 x + 1) (5 x^3 + 2 x^2 - 1)}$$

Sequence: A094253
Score: 4.32746
Type of gen. func.: ogf

$\{-a(n + 4) + 4 a(n + 3) + 4 a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 8,$

$a(2) = 20, a(3) = 120\}$

Sequence: A094253
Score: 4.78858
Type of gen. func.: ogf

$(-7 + 22 f(x))$

$(8 f(x) x^3 - 4 f(x) x^2 - 16 x^3 - 4 f(x) x + 16 x^2 + f(x) - 4 x - 1)$

Sequence: A094253
Score: 8.05412
Type of gen. func.: lgdogf

$$\frac{8 (8 x^4 - 24 x^3 + 13 x^2 - 3 x + 1)}{(8 x^3 - 4 x^2 - 4 x + 1) (16 x^3 - 16 x^2 + 4 x + 1)}$$

Sequence: A094253
Score: 8.22827
Type of gen. func.: ogf

$$\frac{16 x^3 - 16 x^2 + 4 x + 1}{8 x^3 - 4 x^2 - 4 x + 1}$$

Sequence: A094254

Score: 4.99614
Type of gen. func.: ogf

$$\{a(n + 4) - 6 a(n + 3) + 8 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 20, a(3) = 128\}$$

Sequence: A094254
Score: 5.62066
Type of gen. func.: ogf

$$(23 f(x) - 26) (8 f(x) x^3 - 16 x^3 - 6 f(x) x - 8 x^2 + f(x) + 4 x - 1)$$

Sequence: A094254
Score: 8.54283
Type of gen. func.: lgdogf

$$- \frac{2 (2 x + 1) (16 x^3 + 24 x^2 - 6 x - 1)}{(8 x^3 - 6 x + 1) (16 x^3 + 8 x^2 - 4 x + 1)}$$

Sequence: A094254
Score: 9.42819
Type of gen. func.: ogf

$$\frac{16 x^3 + 8 x^2 - 4 x + 1}{8 x^3 - 6 x + 1}$$

Sequence: A094256
Score: 13.5912
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 30 x^2 + 30 x - 7}{(x - 1) (x^3 - 9 x^2 + 6 x - 1)}$$

Sequence: A094256
Score: 15.0767
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (x^3 - 9 x^2 + 6 x - 1)}$$

Sequence: A094256
Score: 6.00712
Type of gen. func.: ogf

$$(1114027 f(x) + 1038) (f(x) x^4 - 10 f(x) x^3 + 15 f(x) x^2 - 7 f(x) x + f(x) - 1)$$

Sequence: A094257
Score: 4.03580
Type of gen. func.: ogf

{-a(n + 4) + 21 a(n + 3) - 35 a(n + 2) + 7 a(n + 1), a(0) = 1, a(1) = 7,

a(2) = 175, a(3) = 3423}

Sequence: A094257
Score: 4.28226
Type of gen. func.: ogf

$$(7309 f(x) - 16353)$$

$$(7 f(x) x^3 - 35 f(x) x^2 - 14 x^3 + 21 f(x) x + 63 x^2 - f(x) - 14 x + 1)$$

Sequence: A094257
Score: 7.13822
Type of gen. func.: lgdogf

$$- \frac{7 (7 x^4 - 56 x^3 + 122 x^2 - 8 x - 1)}{(7 x^3 - 35 x^2 + 21 x - 1) (14 x^3 - 63 x^2 + 14 x - 1)}$$

Sequence: A094257
Score: 7.58076
Type of gen. func.: ogf

$$14 x^3 - 63 x^2 + 14 x - 1$$

```
                            ------------------------
                               3       2
                            7 x  - 35 x  + 21 x - 1



------------------------------------------------------------------------------

Sequence:  A094258
Score: 12.5779
Type of gen. func.: egf]


                           2               2
                    -f(x) x  + 2 f(x) x + x  - f(x) - x + 1



------------------------------------------------------------------------------

Sequence:  A094258
Score: 16.8497
Type of gen. func.: egf]


                                    2
                                   x  - x + 1
                                   ----------
                                          2
                                    (x - 1)



------------------------------------------------------------------------------

Sequence:  A094258
Score: 4.53316
Type of gen. func.: ogf


    2                 2                          2
{(-n  - n) a(n) + (2 n  + 9 n + 6) a(n + 1) + (-n  - 9 n - 15) a(n + 2)

     + (n + 3) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 4}



------------------------------------------------------------------------------

Sequence:  A094258
Score: 40.0145
Type of gen. func.: lgdegf]


                                      1 + x
                             - ---------------------
                                         2
                               (x - 1) (x  - x + 1)



------------------------------------------------------------------------------

Sequence:  A094259
Score: 14.1835
Type of gen. func.: ogf


                                    5 x - 1
                               ------------------
                                                2
```

$$(6 x - 1) (x - 1)$$

Sequence: A094259
Score: 19.3128
Type of gen. func.: lgdogf

$$- \frac{60 x^{2} - 23 x + 3}{(x - 1) (6 x - 1) (5 x - 1)}$$

Sequence: A094259
Score: 6.71851
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 13 a(n + 1) - 6 a(n), a(0) = 1, a(1) = 3, a(2) = 11\}$$

Sequence: A094259
Score: 7.09177
Type of gen. func.: ogf

$$(856 f(x) + 519) (6 f(x) x^{3} - 13 f(x) x^{2} + 8 f(x) x - f(x) - 5 x + 1)$$

Sequence: A094260
Score: 7.46260
Type of gen. func.: lgdogf

$$- \frac{2 (x^{9} + 15 x^{8} + 4 x^{7} + 250 x^{6} - 6 x^{5} + 516 x^{4} - 4 x^{3} + 174 x^{2} + 5 x + 5)}{(x - 1) (1 + x) (x^{2} + 1) (x^{6} + 10 x^{5} - x^{4} + 76 x^{3} - x^{2} + 10 x + 1)}$$

Sequence: A094260
Score: 7.46585
Type of gen. func.: ogf

$$- \frac{(x^{2} + 1) (x^{6} + 10 x^{5} - x^{4} + 76 x^{3} - x^{2} + 10 x + 1)}{(x - 1)^{5} (1 + x)^{5}}$$

Sequence: A094266
Score: 7.47753
Type of gen. func.: ogf

$$-\frac{(1+x)(x^{10}-2x^{9}+3x^{8}+x^{5}-3x^{4}+1)}{(2x^{4}-1)(2x^{8}-2x^{4}+1)}$$

Sequence: A094283
Score: 11.7856
Type of gen. func.: ogf

$$-\frac{(3x+1)(5x^{2}+1)}{-1+2x}$$

Sequence: A094283
Score: 12.7133
Type of gen. func.: lgdogf

$$\frac{5(12x^{3}-7x^{2}-2x-1)}{(-1+2x)(3x+1)(5x^{2}+1)}$$

Sequence: A094283
Score: 6.49408
Type of gen. func.: ogf

{a(n + 4) - 2 a(n + 3), a(0) = 1, a(1) = 5, a(2) = 15, a(3) = 45}

Sequence: A094283
Score: 7.23203
Type of gen. func.: ogf

$$-(f(x)-1)(15x^{3}+2f(x)x+5x^{2}-f(x)+3x+1)$$

Sequence: A094284
Score: 12.1186

Type of gen. func.: ogf

$$-(f(x) - 5) (-x^3 + f(x) x - f(x) - 2 x + 5)$$

Sequence: A094284
Score: 21.2749
Type of gen. func.: ogf

$$\frac{x^3 + 2 x - 5}{x - 1}$$

Sequence: A094284
Score: 28.4506
Type of gen. func.: lgdogf

$$\frac{2 x^3 - 3 x^2 + 3}{(x - 1) (x^3 + 2 x - 5)}$$

Sequence: A094284
Score: 9.97259
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3), a(0) = 5, a(1) = 3, a(2) = 3, a(3) = 2\}$$

Sequence: A094286
Score: 5.67719
Type of gen. func.: ogf

$$-(2 f(x) + 5)$$

$$(4 f(x) x^4 - 2 f(x) x^3 - 6 f(x) x^2 + 3 x^3 + 5 f(x) x - f(x) - 3 x + 1)$$

Sequence: A094286
Score: 8.15962
Type of gen. func.: lgdogf

$$12 x^6 - 18 x^4 - 2 x^3 + 21 x^2 - 12 x + 2$$

$$- \frac{}{(x - 1) (-1 + 2 x) (2 x^2 + 2 x - 1) (3 x^3 - 3 x + 1)}$$

Sequence: A094286
Score: 9.41709
Type of gen. func.: ogf

$$- \frac{3 x^3 - 3 x + 1}{(-1 + 2 x) (x - 1) (2 x^2 + 2 x - 1)}$$

Sequence: A094287
Score: 6.40305
Type of gen. func.: ogf

$$- \frac{x^5 + 2 x^4 - 5 x^3 - 2 x^2 + 4 x - 1}{(x^3 + 3 x^2 - 4 x + 1) (x^3 - x^2 - 2 x + 1)}$$

Sequence: A094288
Score: 5.14261
Type of gen. func.: ogf

$$- \frac{x^6 - 2 x^5 - 7 x^4 + 6 x^3 + 5 x^2 - 5 x + 1}{(x - 1) (x^2 + 2 x - 1) (x^4 - 4 x^3 - 2 x^2 + 4 x - 1)}$$

Sequence: A094292
Score: 11.4456
Type of gen. func.: lgdogf

$$- \frac{3 x^4 - 8 x^3 + 3 x^2 + 6 x - 3}{(x - 1) (x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A094292
Score: 4.73827
Type of gen. func.: ogf

$\{-a(n+4) + 4 a(n+3) - 3 a(n+2) - 2 a(n+1) + a(n), a(0) = 0, a(1) = 0,$
$a(2) = 1, a(3) = 3\}$

Sequence: A094292
Score: 7.15681
Type of gen. func.: ogf

$$-f(x) x^4 + 2 f(x) x^3 + 3 f(x) x^2 + x^3 - 4 f(x) x - x^2 + f(x)$$

Sequence: A094292
Score: 9.61388
Type of gen. func.: ogf

$$\frac{x^2 (x - 1)}{(x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A094294
Score: 3.49462
Type of gen. func.: ogf

$\{(2 n^2 + 12 n + 18) a(n+1) + (-3 n^2 - 23 n - 42) a(n+2)$
$+ (n^2 + 12 n + 29) a(n+3) + (-n - 4) a(n+4), a(0) = 1, a(1) = 2,$
$a(2) = 5, a(3) = 18\}$

Sequence: A094297
Score: 10.1002
Type of gen. func.: lgdogf

$$-\frac{12 x^4 + 8 x^3 + 2 x^2 - 10 x + 3}{(-1 + 2 x) (3 x^2 + x - 1) (2 x^2 + 2 x - 1)}$$

Sequence: A094297
Score: 10.4819

Type of gen. func.: ogf

$$-\frac{3 x^2 + x - 1}{(-1 + 2 x) (2 x^2 + 2 x - 1)}$$

Sequence: A094297
Score: 5.65834
Type of gen. func.: ogf

$$(6 f(x) + 109) (4 f(x) x^3 + 2 f(x) x^2 - 4 f(x) x + 3 x^2 + f(x) + x - 1)$$

Sequence: A094297
Score: 5.70887
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 2 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 3, a(2) = 7\}$$

Sequence: A094304
Score: 3.97048
Type of gen. func.: ogf

$$\{n^2 a(n) + (-2 n^2 - 7 n - 3) a(n + 1) + (n^2 + 8 n + 12) a(n + 2)$$
$$+ (-n - 3) a(n + 3), a(0) = 1, a(1) = 0, a(2) = 1\}$$

Sequence: A094306
Score: 11.7415
Type of gen. func.: ogf

$$-\frac{x - 1}{(-1 + 2 x) (2 x^2 + 2 x - 1)}$$

Sequence: A094306
Score: 12.4340
Type of gen. func.: lgdogf

$$8 x^3 - 10 x^2 - 4 x + 3$$

$$-\frac{}{(x-1)(-1+2x)(2x^2+2x-1)}$$

Sequence: A094306
Score: 5.50705
Type of gen. func.: ogf

$$\{-a(n+3)+4a(n+2)-2a(n+1)-4a(n),\ a(0)=1,\ a(1)=3,\ a(2)=10\}$$

Sequence: A094306
Score: 5.92663
Type of gen. func.: ogf

$$(27f(x)-32)(4f(x)x^3+2f(x)x^2-4f(x)x+f(x)+x-1)$$

Sequence: A094309
Score: 15.5753
Type of gen. func.: ogf

$$\frac{1}{(-1+2x)(2x^2+2x-1)}$$

Sequence: A094309
Score: 16.9069
Type of gen. func.: lgdogf

$$-\frac{4(3x^2+x-1)}{(-1+2x)(2x^2+2x-1)}$$

Sequence: A094309
Score: 5.65122
Type of gen. func.: ogf

$$\{-a(n+3)+4a(n+2)-2a(n+1)-4a(n),\ a(0)=1,\ a(1)=4,\ a(2)=14\}$$

Sequence: A094309
Score: 6.32264
Type of gen. func.: ogf

$$(87 f(x) - 22) (4 f(x) x^3 + 2 f(x) x^2 - 4 f(x) x + f(x) - 1)$$

Sequence: A094311
Score: 4.82932
Type of gen. func.: ogf

$$\frac{x^6 + 12 x^5 + 78 x^4 + 133 x^3 + 78 x^2 + 12 x + 1}{(x - 1)^8}$$

Sequence: A094311
Score: 7.10665
Type of gen. func.: lgdogf

$$- \frac{2 x^6 + 42 x^5 + 372 x^4 + 977 x^3 + 867 x^2 + 240 x + 20}{(x - 1) (x^6 + 12 x^5 + 78 x^4 + 133 x^3 + 78 x^2 + 12 x + 1)}$$

Sequence: A094323
Score: 13.2272
Type of gen. func.: lgdogf

$$- \frac{21 x^3 + 205 x^2 + 287 x + 63}{(x - 1) (7 x^3 + 46 x^2 + 39 x + 4)}$$

Sequence: A094323
Score: 7.10365
Type of gen. func.: ogf

$$\frac{x (7 x^3 + 46 x^2 + 39 x + 4)}{(x - 1)^6}$$

Sequence: A094324
Score: 11.1317
Type of gen. func.: lgdogf

$$\frac{20 x^5 - 22 x^4 - 2 x^3 + 86 x^2 - 178 x + 101}{(x - 1) (5 x^5 + x^4 + x^3 + 89 x^2 + 11010 x - 11111)}$$

Sequence: A094324
Score: 11.7934
Type of gen. func.: ogf

$$\frac{5 x^5 + x^4 + x^3 + 89 x^2 + 11010 x - 11111}{x - 1}$$

Sequence: A094325
Score: 10.4289
Type of gen. func.: ogf

$$\frac{4 x^6 + x^5 + x^4 + 8 x^3 + 90 x^2 + 111001 x - 111111}{x - 1}$$

Sequence: A094325
Score: 9.67281
Type of gen. func.: lgdogf

$$\frac{2 (10 x^6 - 10 x^5 - x^4 + 6 x^3 + 33 x^2 - 90 x + 55)}{(x - 1) (4 x^6 + x^5 + x^4 + 8 x^3 + 90 x^2 + 111001 x - 111111)}$$

Sequence: A094326
Score: 7.40533
Type of gen. func.: lgdogf

$$2 (7 x^8 - 5 x^7 - x^6 - x^5 + 8 x^4 - 12 x^3 + 486 x^2 - 978 x + 500) / ((x - 1) (2 x^8 + x^7 + x^6 + x^5 + 7 x^4 + 2 x^3 + 978 x^2 + 11110111 x - 11111111))$$

Sequence: A094326
Score: 8.31819
Type of gen. func.: ogf

$$\frac{2 x^{8} + x^{7} + x^{6} + x^{5} + 7 x^{4} + 2 x^{3} + 978 x^{2} + 11110111 x - 11111111}{x - 1}$$

Sequence: A094327
Score: 7.57468
Type of gen. func.: ogf

$$\frac{x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + 7 x^{4} + 79 x^{3} + 901 x^{2} + 111110110 x - 111111111}{x - 1}$$

Sequence: A094328
Score: 15.2507
Type of gen. func.: ogf

$$- \frac{6 x^{4} + 9 x^{3} + 7 x^{2} + 5 x + 4}{(x - 1) (x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A094328
Score: 9.09045
Type of gen. func.: lgdogf

$$- \frac{6 x^{8} + 18 x^{7} + 21 x^{6} + 20 x^{5} + 20 x^{4} + 24 x^{3} + 27 x^{2} + 14 x + 5}{(x - 1) (x^{4} + x^{3} + x^{2} + x + 1) (6 x^{4} + 9 x^{3} + 7 x^{2} + 5 x + 4)}$$

Sequence: A094347
Score: 11.6845
Type of gen. func.: ogf

$$- \frac{2 (13 x - 1)}{x^{2} - 14 x + 1}$$

Sequence: A094347
Score: 14.1476
Type of gen. func.: revogf

$$-\frac{-1 - 7 x + (48 x^2 - 12 x + 1)^{1/2}}{26 + x}$$

Sequence: A094347
Score: 14.5300
Type of gen. func.: lgdogf

$$-\frac{13 x^2 - 2 x + 1}{(13 x - 1) (x^2 - 14 x + 1)}$$

Sequence: A094347
Score: 5.84224
Type of gen. func.: ogf

$$-(84 f(x) - 167) (f(x) x^2 - 14 f(x) x + f(x) + 26 x - 2)$$

Sequence: A094347
Score: 6.61651
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1) + a(n), a(0) = 2, a(1) = 2\}$$

Sequence: A094359
Score: 12.8681
Type of gen. func.: ogf

$$-\frac{x (3 x + 1)}{(2 x + 1) (-1 + 2 x) (1 + x)}$$

Sequence: A094359

Score: 13.3871
Type of gen. func.: lgdogf

$$-\frac{2\,(12\,x^{3}+12\,x^{2}+4\,x+1)}{(2\,x+1)\,(-1+2\,x)\,(3\,x+1)\,(1+x)}$$

Sequence: A094359
Score: 6.60795
Type of gen. func.: ogf

$$\{-a(n+3)-a(n+2)+4\,a(n+1)+4\,a(n),\ a(0)=0,\ a(1)=1,\ a(2)=2\}$$

Sequence: A094359
Score: 6.85498
Type of gen. func.: ogf

$$(2\,f(x)+1)\,(4\,f(x)\,x^{3}+4\,f(x)\,x^{2}-f(x)\,x+3\,x^{2}-f(x)+x)$$

Sequence: A094360
Score: 10.3972
Type of gen. func.: lgdogf

$$-\frac{20\,x^{4}+24\,x^{3}+29\,x^{2}+18\,x+2}{(2\,x+1)\,(-1+2\,x)\,(1+x)\,(5\,x^{2}+3\,x+1)}$$

Sequence: A094360
Score: 11.4767
Type of gen. func.: ogf

$$-\frac{5\,x^{2}+3\,x+1}{(2\,x+1)\,(-1+2\,x)\,(1+x)}$$

Sequence: A094360
Score: 6.08764
Type of gen. func.: ogf

3 2 2

$$(972 f(x) + 341) (4 f(x) x + 4 f(x) x - f(x) x + 5 x - f(x) + 3 x + 1)$$

Sequence: A094360
Score: 6.25071
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) + 4 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 2, a(2) = 7\}$$

Sequence: A094361
Score: 11.2637
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n), a(0) = 4, a(1) = 1\}$$

Sequence: A094361
Score: 11.7835
Type of gen. func.: revegf]

$$-1/2 \operatorname{arcsinh}\left(\frac{7^{1/2}}{21}\right) + 1/2 \operatorname{arcsinh}\left(\frac{7^{1/2} (4 x + 1)}{21}\right)$$

Sequence: A094361
Score: 17.5823
Type of gen. func.: ogf

$$-\frac{x + 4}{(-1 + 2 x) (2 x + 1)}$$

Sequence: A094361
Score: 19.1084
Type of gen. func.: lgdogf

$$-\frac{4 x^{2} + 32 x + 1}{(x + 4) (2 x + 1) (-1 + 2 x)}$$

Sequence: A094361
Score: 9.87497

Type of gen. func.: ogf

$$(1040 f(x) - 4159) (4 f(x) x^2 - f(x) + x + 4)$$

Sequence: A094364
Score: 11.0967
Type of gen. func.: ogf

$$\frac{5 x - 1}{100 x^2 + 10 x - 1}$$

Sequence: A094364
Score: 11.3328
Type of gen. func.: lgdogf

$$- \frac{5 (100 x^2 - 40 x - 1)}{(5 x - 1) (100 x^2 + 10 x - 1)}$$

Sequence: A094364
Score: 5.91827
Type of gen. func.: ogf

$$(40 f(x) - 39) (100 f(x) x^2 + 10 f(x) x - f(x) - 5 x + 1)$$

Sequence: A094364
Score: 6.26639
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) + 100 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A094373
Score: 11.317
Type of gen. func.: ogf

$$-2 f(x) x^2 + 3 f(x) x - x^2 - f(x) - x + 1$$

Sequence: A094373
Score: 15.1605
Type of gen. func.: ogf

$$-\frac{x^2 + x - 1}{(-1 + 2 x) (x - 1)}$$

Sequence: A094373
Score: 20.7707
Type of gen. func.: lgdogf

$$-\frac{5 x^2 - 6 x + 2}{(x - 1) (-1 + 2 x) (x^2 + x - 1)}$$

Sequence: A094373
Score: 7.87754
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 3\}$$

Sequence: A094374
Score: 10.5153
Type of gen. func.: lgdogf

$$-\frac{6 x^4 - 36 x^3 + 45 x^2 - 20 x + 3}{(x - 1) (3 x - 1) (-1 + 2 x) (x^2 - 3 x + 1)}$$

Sequence: A094374
Score: 12.7088
Type of gen. func.: ogf

$$-\frac{x^2 - 3 x + 1}{(x - 1) (3 x - 1) (-1 + 2 x)}$$

Sequence: A094374
Score: 6.91182
Type of gen. func.: ogf

$$(11 f(x) - 37) (6 f(x) x^3 - 11 f(x) x^2 + 6 f(x) x + x^2 - f(x) - 3 x + 1)$$

Sequence: A094374
Score: 6.97299
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 11 a(n + 1) - 6 a(n), a(0) = 1, a(1) = 3, a(2) = 8\}$$

Sequence: A094375
Score: 10.0890
Type of gen. func.: ogf

$$- \frac{5 x^2 - 5 x + 1}{(3 x - 1) (-1 + 2 x) (4 x - 1)}$$

Sequence: A094375
Score: 5.4794
Type of gen. func.: ogf

$$(26 f(x) - 461) (24 f(x) x^3 - 26 f(x) x^2 + 9 f(x) x + 5 x^2 - f(x) - 5 x + 1)$$

Sequence: A094375
Score: 5.52704
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 26 a(n + 1) - 24 a(n), a(0) = 1, a(1) = 4, a(2) = 15\}$$

Sequence: A094375
Score: 8.77321
Type of gen. func.: lgdogf

$$- \frac{120 x^4 - 240 x^3 + 157 x^2 - 42 x + 4}{(4 x - 1) (3 x - 1) (-1 + 2 x) (5 x^2 - 5 x + 1)}$$

Sequence: A094388
Score: 12.4371
Type of gen. func.: ogf

$$-\frac{x^2 + 2x - 1}{(3x - 1)(x - 1)}$$

Sequence: A094388
Score: 15.3806
Type of gen. func.: lgdogf

$$-\frac{2(5x^2 - 4x + 1)}{(x - 1)(3x - 1)(x^2 + 2x - 1)}$$

Sequence: A094388
Score: 6.46243
Type of gen. func.: ogf

$$\{-a(n + 3) + 4a(n + 2) - 3a(n + 1), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A094388
Score: 9.28405
Type of gen. func.: ogf

$$3f(x)x^2 - 4f(x)x + x^2 + f(x) + 2x - 1$$

Sequence: A094389
Score: 10.2195
Type of gen. func.: ogf

$$\frac{2x^9 + 2x^8 - 4x^7 + 4x^6 - 4x^5 + 4x^4 - 4x^3 - 4x^2 - 1}{x - 1}$$

Sequence: A094389
Score: 8.17376
Type of gen. func.: lgdogf

$$\frac{16 x^9 - 4 x^8 - 40 x^7 + 48 x^6 - 40 x^5 + 32 x^4 - 24 x^3 + 8 x^2 + 8 x + 1}{(x - 1) (2 x^9 + 2 x^8 - 4 x^7 + 4 x^6 - 4 x^5 + 4 x^4 - 4 x^3 - 4 x^2 - 1)}$$

Sequence: A094421
Score: 19.0032
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 + 34 x + 37)}{(x - 1) (x^2 + 22 x + 13)}$$

Sequence: A094421
Score: 4.91704
Type of gen. func.: ogf

$(139392 f(x) + 3217769)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - x^2 + f(x) - 22 x - 13)$$

Sequence: A094421
Score: 9.83407
Type of gen. func.: ogf

$$\frac{x^2 + 22 x + 13}{(x - 1)^4}$$

Sequence: A094423
Score: 10.6219
Type of gen. func.: ogf

$$- \frac{5 x + 1}{(5 x - 1) (25 x^2 + 6 x + 1)}$$

Sequence: A094423
Score: 5.08006
Type of gen. func.: ogf

$$-(5844 f(x) - 8075) (125 f(x) x^3 + 5 f(x) x^2 - f(x) x - f(x) + 5 x + 1)$$

Sequence: A094423
Score: 5.12462
Type of gen. func.: ogf

$$\{a(n + 3) + a(n + 2) - 5 a(n + 1) - 125 a(n), a(0) = 1, a(1) = 4, a(2) = 1\}$$

Sequence: A094423
Score: 9.85935
Type of gen. func.: lgdogf

$$-\frac{2 (625 x^3 + 200 x^2 + 5 x + 2)}{(5 x + 1) (5 x - 1) (25 x^2 + 6 x + 1)}$$

Sequence: A094428
Score: 11.4377
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^{11} - x^6 + x^5 - x^4}{-x^{12} + 1}$$

Sequence: A094429
Score: 10.6499
Type of gen. func.: ogf

$$\frac{7 x (x - 1)}{7 x^3 - 14 x^2 + 7 x - 1}$$

Sequence: A094429
Score: 11.9272

Type of gen. func.: lgdogf

$$-\frac{14 x^3 - 35 x^2 + 28 x - 6}{(x - 1) (7 x^3 - 14 x^2 + 7 x - 1)}$$

Sequence: A094429
Score: 5.46630
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) - 14 a(n + 1) + 7 a(n), a(0) = 0, a(1) = 7, a(2) = 42\}$$

Sequence: A094429
Score: 5.61539
Type of gen. func.: ogf

$$(13 f(x) - 16) (7 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x - 7 x^2 - f(x) + 7 x)$$

Sequence: A094430
Score: 14.6456
Type of gen. func.: ogf

$$-\frac{7}{7 x^3 - 14 x^2 + 7 x - 1}$$

Sequence: A094430
Score: 16.2906
Type of gen. func.: lgdogf

$$-\frac{7 (3 x - 1) (x - 1)}{7 x^3 - 14 x^2 + 7 x - 1}$$

Sequence: A094430
Score: 5.30273
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 7 a(n), a(0) = 7, a(1) = 49, a(2) = 245\}$$

Sequence: A094430
Score: 6.03056
Type of gen. func.: ogf

$$(26 f(x) - 35) (7 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x - f(x) + 7)$$

Sequence: A094431
Score: 12.8546
Type of gen. func.: ogf

$$- \frac{6 x - 1}{9 x^2 - 8 x + 1}$$

Sequence: A094431
Score: 13.4829
Type of gen. func.: revogf

$$- \frac{-1 - 8 x + (28 x^2 - 8 x + 1)^{1/2}}{6 (2 + 3 x)}$$

Sequence: A094431
Score: 14.5200
Type of gen. func.: lgdogf

$$- \frac{2 (27 x^2 - 9 x + 1)}{(6 x - 1) (9 x^2 - 8 x + 1)}$$

Sequence: A094431
Score: 6.42733
Type of gen. func.: ogf

$$-(13 f(x) + 3) (9 f(x) x^2 - 8 f(x) x + f(x) + 6 x - 1)$$

Sequence: A094431
Score: 7.05438
Type of gen. func.: ogf

$$\{a(n+2) - 8\,a(n+1) + 9\,a(n),\ a(0) = 1,\ a(1) = 2\}$$

Sequence: A094432
Score: 10.4236
Type of gen. func.: ogf

$$-9\,f(x)\,x^2 + 8\,f(x)\,x - f(x) + 3\,x$$

Sequence: A094432
Score: 13.4635
Type of gen. func.: revogf

$$-\frac{-8\,x - 3 + (14\,x + 3)^{1/2}\,(2\,x + 3)^{1/2}}{18\,x}$$

Sequence: A094432
Score: 16.6214
Type of gen. func.: ogf

$$\frac{3\,x}{9\,x^2 - 8\,x + 1}$$

Sequence: A094432
Score: 24.2344
Type of gen. func.: lgdogf

$$-\frac{2\,(-4 + 9\,x)}{9\,x^2 - 8\,x + 1}$$

Sequence: A094432
Score: 7.59251
Type of gen. func.: ogf

$$\{a(n+2) - 8\,a(n+1) + 9\,a(n),\ a(0) = 0,\ a(1) = 3\}$$

Sequence: A094433
Score: 10.6003
Type of gen. func.: ogf

$$6 f(x) x^2 - 6 f(x) x - 2 x^2 + f(x) + 5 x - 1$$

Sequence: A094433
Score: 13.6568
Type of gen. func.: ogf

$$- \frac{4 x - 1}{6 x^2 - 6 x + 1}$$

Sequence: A094433
Score: 14.3337
Type of gen. func.: revogf

$$- \frac{-1 - 6 x + (12 x^2 - 4 x + 1)^{1/2}}{4 (2 + 3 x)}$$

Sequence: A094433
Score: 15.4363
Type of gen. func.: lgdogf

$$- \frac{2 (12 x^2 - 6 x + 1)}{(4 x - 1) (6 x^2 - 6 x + 1)}$$

Sequence: A094433
Score: 7.49459
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 6 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A094434
Score: 10.7351
Type of gen. func.: ogf

$$-6 f(x) x^2 + 6 f(x) x - f(x) + 2 x$$

Sequence: A094434
Score: 17.1181
Type of gen. func.: ogf

$$\frac{2 x}{6 x^2 - 6 x + 1}$$

Sequence: A094434
Score: 17.8275
Type of gen. func.: revogf

$$- \frac{-1 - 3 x + (3 x^2 + 6 x + 1)^{1/2}}{6 x}$$

Sequence: A094434
Score: 25.9984
Type of gen. func.: lgdogf

$$- \frac{6 (-1 + 2 x)}{6 x^2 - 6 x + 1}$$

Sequence: A094434
Score: 7.81937
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 6 a(n), a(0) = 0, a(1) = 2\}$$

Sequence: A094506
Score: 10.8853
Type of gen. func.: lgdogf

2

$$-\frac{4\,(3072\,x + 704\,x - 123)}{(96\,x + 11)\,(4\,x - 1)\,(32\,x - 1)}$$

Sequence: A094506
Score: 11.0977
Type of gen. func.: ogf

$$\frac{4\,(96\,x + 11)}{(32\,x - 1)\,(4\,x - 1)}$$

Sequence: A094506
Score: 12.0685
Type of gen. func.: revogf

$$-\frac{-11 - 9\,x + (49\,x^{2} + 294\,x + 121)^{1/2}}{64\,(x - 3)}$$

Sequence: A094506
Score: 5.83487
Type of gen. func.: ogf

$$(931\,f(x) + 19552)\,(128\,f(x)\,x^{2} - 36\,f(x)\,x + f(x) - 384\,x - 44)$$

Sequence: A094506
Score: 6.35935
Type of gen. func.: ogf

$$\{-a(n + 2) + 36\,a(n + 1) - 128\,a(n),\ a(0) = 44,\ a(1) = 1968\}$$

Sequence: A094539
Score: 3.95577
Type of gen. func.: ogf

$$-\frac{x^{2}\,(281\,x^{12} - 1132\,x^{10} - 699\,x^{8} - 172\,x^{6} - 208\,x^{4} + 122\,x^{2} + 61)}{(3\,x - 1)\,(3677\,x^{12} - 183\,x^{8} - 574\,x^{4} + 61)}$$

Sequence: A094554
Score: 4.83054
Type of gen. func.: ogf

$\{-a(n + 4) + 2 a(n + 3) + 5 a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 0, a(2) = 3, a(3) = 2\}$

Sequence: A094554
Score: 5.06241
Type of gen. func.: ogf

$$(-2783 + 4970 f(x)) (6 f(x) x^3 - 5 f(x) x^2 - 2 x^3 - 2 f(x) x + 2 x^2 + f(x) + 2 x - 1)$$

Sequence: A094554
Score: 9.17103
Type of gen. func.: ogf

$$\frac{2 x^3 - 2 x^2 - 2 x + 1}{(x - 1) (3 x - 1) (2 x + 1)}$$

Sequence: A094554
Score: 9.88752
Type of gen. func.: lgdogf

$$\frac{2 x (x^3 + 8 x^2 - 9 x + 3)}{(x - 1) (3 x - 1) (2 x + 1) (2 x^3 - 2 x^2 - 2 x + 1)}$$

Sequence: A094555
Score: 10.5092
Type of gen. func.: ogf

$$- \frac{x (x^2 + x - 1)}{(x - 1) (3 x - 1) (2 x + 1)}$$

Sequence: A094555
Score: 11.2184
Type of gen. func.: lgdogf

$$-\frac{6x^4+12x^3-21x^2+8x+1}{(x-1)(3x-1)(2x+1)(x^2+x-1)}$$

Sequence: A094555
Score: 5.21451
Type of gen. func.: ogf

{-a(n + 4) + 2 a(n + 3) + 5 a(n + 2) - 6 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 1,

a(3) = 6}

Sequence: A094555
Score: 5.74035
Type of gen. func.: ogf

$$-(5f(x)+1)(6f(x)x^3-5f(x)x^2+x^3-2f(x)x+x^2+f(x)-x)$$

Sequence: A094556
Score: 10.4067
Type of gen. func.: ogf

$$\frac{x(2x^2-2x+1)}{(x-1)(3x-1)(2x+1)}$$

Sequence: A094556
Score: 10.6313
Type of gen. func.: lgdogf

$$-\frac{2x(6x^3-12x^2+16x-7)}{(x-1)(3x-1)(2x+1)(2x^2-2x+1)}$$

Sequence: A094556

Score: 5.20336
Type of gen. func.: ogf

$$\{-a(n+4)+2a(n+3)+5a(n+2)-6a(n+1),\ a(0)=0,\ a(1)=1,\ a(2)=0,\ a(3)=7\}$$

Sequence: A094556
Score: 5.45514
Type of gen. func.: ogf

$$-(1065 f(x)+133)(6 f(x) x^3-5 f(x) x^2-2 x^3-2 f(x) x+2 x^2+f(x)-x)$$

Sequence: A094567
Score: 13.1223
Type of gen. func.: ogf

$$-\frac{-1+2x}{(x+1)(x^2-7x+1)}$$

Sequence: A094567
Score: 16.2648
Type of gen. func.: lgdogf

$$-\frac{(4x+1)(x-2)^2}{(-1+2x)(x+1)(x^2-7x+1)}$$

Sequence: A094567
Score: 6.10074
Type of gen. func.: ogf

$$-(15219 f(x)-1139)(f(x) x^3-6 f(x) x^2-6 f(x) x+f(x)+2x-1)$$

Sequence: A094567
Score: 6.15473
Type of gen. func.: ogf

$$\{-a(n+3)+6a(n+2)+6a(n+1)-a(n),\ a(0)=1,\ a(1)=4,\ a(2)=30\}$$

Sequence: A094569
Score: 13.6472
Type of gen. func.: ogf

$$-\frac{x - 2}{(x + 1) (x^2 - 7 x + 1)}$$

Sequence: A094569
Score: 6.34476
Type of gen. func.: ogf

{-a(n + 3) + 6 a(n + 2) + 6 a(n + 1) - a(n), a(0) = 2, a(1) = 11, a(2) = 78}

Sequence: A094569
Score: 6.45807
Type of gen. func.: ogf

$$(417303 f(x) - 10078) (f(x) x^3 - 6 f(x) x^2 - 6 f(x) x + f(x) + x - 2)$$

Sequence: A094569
Score: 6.51084
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 12 x^2 + 24 x + 11}{(x - 2) (x + 1) (x^2 - 7 x + 1)}$$

Sequence: A094584
Score: 11.4990
Type of gen. func.: ogf

$$-\frac{2 x + 1}{(x - 1) (x^2 + x - 1)^2}$$

Sequence: A094584
Score: 15.4803
Type of gen. func.: lgdogf

$$-\frac{8 x^3 + 3 x^2 - 3 x - 5}{(x - 1) (2 x + 1) (x^2 + x - 1)}$$

Sequence: A094586
Score: 10.5786
Type of gen. func.: lgdogf

$$-\frac{(-1 + 2 x) (x^4 - 2 x^3 - x^2 + 2 x + 5)}{(x^2 - 3 x + 1) (x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A094586
Score: 5.10729
Type of gen. func.: ogf

$$(242 f(x) + 5) (f(x) x^4 - 2 f(x) x^3 - 3 f(x) x^2 + 4 f(x) x - x^2 - f(x) + x + 1)$$

Sequence: A094586
Score: 9.69646
Type of gen. func.: ogf

$$\frac{x^2 - x - 1}{(x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A094588
Score: 16.4538
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 3 x^2 - x - 3}{(x - 1) (2 x + 1) (x^2 + x - 1)}$$

Sequence: A094588
Score: 5.31985
Type of gen. func.: ogf

$$(25 f(x) + 13)$$

$$(f(x) x^4 + 2 f(x) x^3 - f(x) x^2 + 2 x^3 - 2 f(x) x - x^2 + f(x) - x)$$

Sequence: A094588
Score: 9.83810
Type of gen. func.: ogf

$$-\frac{x (2 x + 1) (x - 1)}{(x^2 + x - 1)^2}$$

Sequence: A094616
Score: 4.54694
Type of gen. func.: ogf

$$-(3892 f(x) - 205167)$$

$$(6 f(x) x^4 - 17 f(x) x^3 + 17 f(x) x^2 - 7 f(x) x + 4 x^2 + f(x) - x - 1)$$

Sequence: A094616
Score: 9.15794
Type of gen. func.: ogf

$$-\frac{4 x^2 - x - 1}{(3 x - 1) (-1 + 2 x) (x - 1)^2}$$

Sequence: A094616
Score: 9.51251
Type of gen. func.: lgdogf

$$-\frac{2 (24 x^4 - 19 x^3 - 14 x^2 + 17 x - 4)}{(x - 1) (3 x - 1) (-1 + 2 x) (4 x^2 - x - 1)}$$

Sequence: A094618
Score: 4.7194
Type of gen. func.: ogf

$$(4 f(x) + 435)$$

$$(6 f(x) x^4 - 17 f(x) x^3 + 17 f(x) x^2 - 7 f(x) x - 7 x^2 + f(x) + 7 x - 2)$$

Sequence: A094618
Score: 8.84059
Type of gen. func.: ogf

$$\frac{7 x^2 - 7 x + 2}{(3 x - 1) (-1 + 2 x) (x - 1)^2}$$

Sequence: A094618
Score: 9.04127
Type of gen. func.: lgdogf

$$- \frac{84 x^4 - 161 x^3 + 125 x^2 - 47 x + 7}{(x - 1) (3 x - 1) (-1 + 2 x) (7 x^2 - 7 x + 2)}$$

Sequence: A094620
Score: 11.0084
Type of gen. func.: ogf

$$\frac{x (20 x^2 + 22 x + 11)}{(x - 1) (x + 1) (10 x^2 - 1)}$$

Sequence: A094620
Score: 6.26341
Type of gen. func.: ogf

$$(67988657 f(x) - 69266915)$$

$$(10 f(x) x^4 - 11 f(x) x^2 - 20 x^3 - 22 x^2 + f(x) - 11 x)$$

Sequence: A094620
Score: 7.05823
Type of gen. func.: lgdogf

$$-\frac{2 (200 x^5 + 330 x^4 + 220 x^3 - 121 x^2 - 141 x - 11)}{(x - 1) (x + 1) (10 x^2 - 1) (20 x^2 + 22 x + 11)}$$

Sequence: A094621
Score: 5.26959
Type of gen. func.: ogf

$$-(377942 f(x) - 1382735)$$

$$(10 f(x) x^4 - 11 f(x) x^2 - 20 x^3 - 13 x^2 + f(x) - 11 x)$$

Sequence: A094621
Score: 7.22628
Type of gen. func.: lgdogf

$$-\frac{400 x^5 + 390 x^4 + 440 x^3 - 143 x^2 - 282 x - 13}{(x - 1) (x + 1) (10 x^2 - 1) (20 x^2 + 13 x + 11)}$$

Sequence: A094621
Score: 9.34155
Type of gen. func.: ogf

$$\frac{x (20 x^2 + 13 x + 11)}{(x - 1) (x + 1) (10 x^2 - 1)}$$

Sequence: A094622
Score: 10.1072
Type of gen. func.: ogf

```
      x (20 x + 11)
   -------------------
               2
```

$$(x - 1) (10 x - 1)$$

Sequence: A094622
Score: 11.0365
Type of gen. func.: lgdogf

$$-\frac{400 x^3 + 130 x^2 - 220 x - 31}{(20 x + 11) (x - 1) (10 x^2 - 1)}$$

Sequence: A094622
Score: 5.13785
Type of gen. func.: ogf

$$(60407 f(x) + 226678) (10 f(x) x^3 - 10 f(x) x^2 - f(x) x - 20 x^2 + f(x) - 11 x)$$

Sequence: A094622
Score: 5.36123
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 10 a(n + 1) - 10 a(n), a(0) = 0, a(1) = 11, a(2) = 31\}$$

Sequence: A094623
Score: 10.5150
Type of gen. func.: ogf

$$\frac{x (10 x + 1)}{(x - 1) (10 x^2 - 1)}$$

Sequence: A094623
Score: 11.9470
Type of gen. func.: lgdogf

$$-\frac{200 x^3 - 70 x^2 - 20 x - 11}{(x - 1) (10 x + 1) (10 x^2 - 1)}$$

Sequence: A094623
Score: 5.53421
Type of gen. func.: ogf

$$(779 f(x) + 980) (10 f(x) x^3 - 10 f(x) x^2 - f(x) x - 10 x^2 + f(x) - x)$$

Sequence: A094623
Score: 5.53421
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 10 a(n + 1) + 10 a(n), a(0) = 0, a(1) = 1, a(2) = 11\}$$

Sequence: A094624
Score: 11.5869
Type of gen. func.: ogf

$$\frac{x (x^2 + 11 x + 1)}{(x - 1) (x + 1) (10 x^2 - 1)}$$

Sequence: A094624
Score: 6.6211
Type of gen. func.: ogf

$$-(58780 f(x) + 45331) (10 f(x) x^4 - 11 f(x) x^2 - x^3 - 11 x^2 + f(x) - x)$$

Sequence: A094624
Score: 8.06810
Type of gen. func.: lgdogf

$$- \frac{20 x^5 + 330 x^4 + 40 x^3 - 121 x^2 - 24 x - 11}{(x - 1) (x + 1) (x^2 + 11 x + 1) (10 x^2 - 1)}$$

Sequence: A094625
Score: 5.3923
Type of gen. func.: ogf

$-(4286392 f(x) + 6837335)$

$$(10 f(x) x^4 - 11 f(x) x^2 - 11 x^3 - 22 x^2 + f(x) - 2 x)$$

Sequence: A094625
Score: 7.48487
Type of gen. func.: lgdogf

$$-\frac{2 (110 x^5 + 330 x^4 + 40 x^3 - 121 x^2 - 33 x - 11)}{(x - 1) (x + 1) (10 x^2 - 1) (11 x^2 + 22 x + 2)}$$

Sequence: A094625
Score: 9.70615
Type of gen. func.: ogf

$$\frac{x (11 x^2 + 22 x + 2)}{(x - 1) (x + 1) (10 x^2 - 1)}$$

Sequence: A094626
Score: 12.8205
Type of gen. func.: ogf

$$\frac{x (x + 1)}{(x - 1) (10 x^2 - 1)}$$

Sequence: A094626
Score: 12.9659
Type of gen. func.: lgdogf

$$-\frac{2 (10 x^3 + 10 x^2 - 10 x - 1)}{(10 x^2 - 1) (x - 1) (x + 1)}$$

Sequence: A094626
Score: 6.69388

Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 10 a(n + 1) - 10 a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A094626
Score: 6.6939
Type of gen. func.: ogf

$$-(2 f(x) + 1) (10 f(x) x^3 - 10 f(x) x^2 - f(x) x - x^2 + f(x) - x)$$

Sequence: A094627
Score: 10.0654
Type of gen. func.: ogf

$$\frac{(x + 1)^2}{(x - 1) (10 x^2 - 1)}$$

Sequence: A094627
Score: 13.2180
Type of gen. func.: lgdogf

$$-\frac{10 x^3 + 30 x^2 - 19 x - 3}{(10 x^2 - 1) (x - 1) (x + 1)}$$

Sequence: A094627
Score: 5.07295
Type of gen. func.: ogf

$$-(17705 f(x) + 13644) (10 f(x) x^3 - 10 f(x) x^2 - f(x) x - x^2 + f(x) - 2 x - 1)$$

Sequence: A094627
Score: 5.51408
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 10 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 3, a(2) = 14\}$$

Sequence: A094628
Score: 14.4121
Type of gen. func.: ogf

$$-\frac{13 x + 4}{10 x^2 - 1}$$

Sequence: A094628
Score: 15.9739
Type of gen. func.: revogf

$$\frac{-2 + ((5 x + 4) (2 x + 1))^{1/2}}{13 + 10 x}$$

Sequence: A094628
Score: 15.9739
Type of gen. func.: lgdogf

$$-\frac{130 x^2 + 80 x + 13}{(13 x + 4) (10 x^2 - 1)}$$

Sequence: A094628
Score: 8.60723
Type of gen. func.: ogf

$$(80 f(x) - 151) (10 f(x) x^2 - f(x) + 13 x + 4)$$

Sequence: A094628
Score: 9.38970
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n), a(0) = 4, a(1) = 13\}$$

Sequence: A094629
Score: 14.4121

Type of gen. func.: ogf

$$-\frac{11 x + 2}{10 x^{2} - 1}$$

Sequence: A094629
Score: 15.9739
Type of gen. func.: lgdogf

$$-\frac{110 x^{2} + 40 x + 11}{(11 x + 2) (10 x^{2} - 1)}$$

Sequence: A094629
Score: 16.4056
Type of gen. func.: revogf

$$\frac{-1 + ((x + 1) (10 x + 1))^{1/2}}{11 + 10 x}$$

Sequence: A094629
Score: 8.72846
Type of gen. func.: ogf

$$(40 f(x) + 41) (10 f(x) x^{2} - f(x) + 11 x + 2)$$

Sequence: A094629
Score: 9.38970
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n), a(0) = 2, a(1) = 11\}$$

Sequence: A094630
Score: 11.4213
Type of gen. func.: ogf

$$(f(x) - 1)^{2} (-5 x^{4} + f(x) - 1)$$

Sequence: A094632
Score: 4.57755
Type of gen. func.: ogf

$$-(54 f(x) + 133)$$

$$(4 f(x) x^4 - 2 f(x) x^3 - 7 f(x) x^2 + x^3 - f(x) x + 4 x^2 + f(x) + x - 1)$$

Sequence: A094632
Score: 8.56062
Type of gen. func.: ogf

$$- \frac{x^3 + 4 x^2 + x - 1}{(4 x^2 + 2 x - 1) (x^2 - x - 1)}$$

Sequence: A094632
Score: 8.89425
Type of gen. func.: lgdogf

$$- \frac{x (4 x^5 + 32 x^4 + 11 x^3 - 18 x^2 + 6)}{(4 x^2 + 2 x - 1) (x^2 - x - 1) (x^3 + 4 x^2 + x - 1)}$$

Sequence: A094633
Score: 4.82769
Type of gen. func.: ogf

$$-(65 f(x) - 2108)$$

$$(4 f(x) x^4 - 2 f(x) x^3 - 7 f(x) x^2 - f(x) x + 6 x^2 + f(x) + x - 2)$$

Sequence: A094633
Score: 9.26231
Type of gen. func.: lgdogf

$$- \frac{48 x^5 - 36 x^3 + 11 x^2 + 16 x + 1}{}$$

$$(2 + 3 x) (-1 + 2 x) (x^2 - x - 1) (4 x^2 + 2 x - 1)$$

Sequence: A094633
Score: 9.58542
Type of gen. func.: ogf

$$- \frac{(2 + 3 x) (-1 + 2 x)}{(4 x^2 + 2 x - 1) (x^2 - x - 1)}$$

Sequence: A094648
Score: 11.5040
Type of gen. func.: ogf

$$\frac{2 x^2 - 2 x - 3}{x^3 + 2 x^2 - x - 1}$$

Sequence: A094648
Score: 13.1156
Type of gen. func.: lgdogf

$$- \frac{2 x^4 - 4 x^3 - 11 x^2 - 8 x + 1}{(2 x^2 - 2 x - 3) (x^3 + 2 x^2 - x - 1)}$$

Sequence: A094648
Score: 6.26559
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) + 2 a(n + 1) + a(n), a(0) = 3, a(1) = -1, a(2) = 5\}$$

Sequence: A094648
Score: 6.32203
Type of gen. func.: ogf

$$(5 f(x) - 3) (f(x) x^3 + 2 f(x) x^2 - f(x) x - 2 x^2 - f(x) + 2 x + 3)$$

Sequence: A094649
Score: 5.20201
Type of gen. func.: ogf

$$-(3 f(x) - 5)$$

$$(f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 - 2 x^3 - f(x) x + 6 x^2 + f(x) + 3 x - 4)$$

Sequence: A094649
Score: 8.66720
Type of gen. func.: lgdogf

$$-\frac{2 x^6 - 12 x^5 - 15 x^4 + 8 x^3 + 21 x^2 - 12 x - 1}{(x - 1) (2 x^3 - 6 x^2 - 3 x + 4) (x^3 + 3 x^2 - 1)}$$

Sequence: A094649
Score: 9.52575
Type of gen. func.: ogf

$$\frac{2 x^3 - 6 x^2 - 3 x + 4}{(x - 1) (x^3 + 3 x^2 - 1)}$$

Sequence: A094650
Score: 6.71205
Type of gen. func.: lgdogf

$$-\frac{3 x^8 - 12 x^7 - 45 x^6 - 32 x^5 + 64 x^4 + 36 x^3 - 31 x^2 - 16 x + 1}{(3 x^4 - 6 x^3 - 12 x^2 + 4 x + 5) (x^5 + 3 x^4 - 3 x^3 - 4 x^2 + x + 1)}$$

Sequence: A094650
Score: 7.55098
Type of gen. func.: ogf

$$\frac{3 x^4 - 6 x^3 - 12 x^2 + 4 x + 5}{{}^{5} \quad {}^{4} \quad {}^{3} \quad {}^{2}}$$

$$x + 3 x - 3 x - 4 x + x + 1$$

Sequence: A094659
Score: 5.16912
Type of gen. func.: ogf

$$-(f(x) - 1)$$

$$(2 f(x) x^4 + 3 f(x) x^3 - 4 f(x) x^2 - x^3 - f(x) x + 2 x^2 + f(x) + x - 1)$$

Sequence: A094659
Score: 9.46555
Type of gen. func.: ogf

$$\frac{x^3 - 2 x^2 - x + 1}{(-1 + 2 x) (x^3 + 2 x^2 - x - 1)}$$

Sequence: A094659
Score: 9.67055
Type of gen. func.: lgdogf

$$- \frac{2 x (x^5 - 4 x^4 - 4 x^3 + 2 x^2 + 4 x - 2)}{(-1 + 2 x) (x^3 - 2 x^2 - x + 1) (x^3 + 2 x^2 - x - 1)}$$

Sequence: A094667
Score: 5.98786
Type of gen. func.: ogf

$$(7 f(x) - 1)$$

$$(5 f(x) x^4 - 20 f(x) x^3 + 21 f(x) x^2 - 8 f(x) x - 3 x^2 + f(x) + 4 x - 1)$$

Sequence: A094667
Score: 7.46842
Type of gen. func.: lgdogf

$$2 (15 x^5 - 60 x^4 + 90 x^3 - 60 x^2 + 18 x - 2)$$

$$-\frac{}{(x - 1) (3 x - 1) (x^2 - 3 x + 1) (5 x^2 - 5 x + 1)}$$

Sequence: A094667
Score: 8.59417
Type of gen. func.: ogf

$$\frac{(3 x - 1) (x - 1)}{(x^2 - 3 x + 1) (5 x^2 - 5 x + 1)}$$

Sequence: A094686
Score: 17.2148
Type of gen. func.: ogf

$$-\frac{1}{(x^2 + x + 1) (x^2 + x - 1)}$$

Sequence: A094686
Score: 20.0947
Type of gen. func.: lgdogf

$$-\frac{2 x (x + 1) (2 x + 1)}{(x^2 + x + 1) (x^2 + x - 1)}$$

Sequence: A094686
Score: 7.52102
Type of gen. func.: ogf

$$-(f(x) - 2) (f(x) x^4 + 2 f(x) x^3 + f(x) x^2 - f(x) + 1)$$

Sequence: A094687
Score: 13.4583
Type of gen. func.: ogf

$$\frac{x^2}{{}^{2}}$$

```
                        (-1 + 2 x) (x + 1) (x  + x - 1)



------------------------------------------------------------------------------

Sequence:  A094687
Score: 15.6954
Type of gen. func.: lgdogf


                                 3      2
                              8 x  + 9 x  - 4 x - 2
                       - -------------------------------
                                              2
                         (-1 + 2 x) (x + 1) (x  + x - 1)



------------------------------------------------------------------------------

Sequence:  A094687
Score: 5.89494
Type of gen. func.: ogf


                          4            3            2               2
    (2 f(x) + 1) (2 f(x) x  + 3 f(x) x  - 2 f(x) x  - 2 f(x) x - x  + f(x))



------------------------------------------------------------------------------

Sequence:  A094688
Score: 16.4792
Type of gen. func.: ogf


                                       x
                             ----------------------
                                        2
                             (3 x - 1) (x  + x - 1)



------------------------------------------------------------------------------

Sequence:  A094688
Score: 20.1745
Type of gen. func.: lgdogf


                                     2
                                  9 x  + 4 x - 4
                            - ----------------------
                                         2
                              (3 x - 1) (x  + x - 1)



------------------------------------------------------------------------------

Sequence:  A094688
Score: 6.08691
Type of gen. func.: ogf


  {a(n + 3) - 4 a(n + 2) + 2 a(n + 1) + 3 a(n), a(0) = 0, a(1) = 1, a(2) = 4}
```

Sequence: A094688
Score: 6.82471
Type of gen. func.: ogf

$$(4 f(x) + 1) (3 f(x) x^3 + 2 f(x) x^2 - 4 f(x) x + f(x) - x)$$

Sequence: A094703
Score: 12.6370
Type of gen. func.: revogf

$$\frac{-1 - 8 x + (148 x^2 + 28 x + 1)^{1/2}}{6 (1 + 7 x)}$$

Sequence: A094703
Score: 13.5847
Type of gen. func.: lgdogf

$$- \frac{63 x^2 + 42 x + 11}{(3 x + 1) (21 x^2 + 8 x - 1)}$$

Sequence: A094703
Score: 15.1740
Type of gen. func.: ogf

$$- \frac{3 x + 1}{21 x^2 + 8 x - 1}$$

Sequence: A094703
Score: 7.93188
Type of gen. func.: ogf

$$(130 f(x) - 9) (21 f(x) x^2 + 8 f(x) x - f(x) + 3 x + 1)$$

Sequence: A094703
Score: 8.30958

Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) - 21 a(n), a(0) = 1, a(1) = 11\}$$

Sequence: A094704
Score: 13.2157
Type of gen. func.: ogf

$$\frac{x}{(10 x - 1) (x^2 + x - 1)}$$

Sequence: A094704
Score: 15.1201
Type of gen. func.: lgdogf

$$-\frac{30 x^2 + 18 x - 11}{(10 x - 1) (x^2 + x - 1)}$$

Sequence: A094704
Score: 4.98489
Type of gen. func.: ogf

$$\{a(n + 3) - 11 a(n + 2) + 9 a(n + 1) + 10 a(n), a(0) = 0, a(1) = 1, a(2) = 11\}$$

Sequence: A094704
Score: 5.3611
Type of gen. func.: ogf

$$-(11 f(x) + 1) (10 f(x) x^3 + 9 f(x) x^2 - 11 f(x) x + f(x) - x)$$

Sequence: A094705
Score: 16.7308
Type of gen. func.: lgdogf

$$-\frac{2 (9 x^2 + x - 2)}{(3 x - 1) (-1 + 2 x) (x + 1)}$$

Sequence: A094705
Score: 17.6596
Type of gen. func.: ogf

$$\frac{x}{(3 x - 1) (-1 + 2 x) (x + 1)}$$

Sequence: A094705
Score: 7.15931
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + a(n + 1) + 6 a(n), a(0) = 0, a(1) = 1, a(2) = 4\}$$

Sequence: A094705
Score: 8.02709
Type of gen. func.: ogf

$$(4 f(x) + 1) (6 f(x) x^3 + f(x) x^2 - 4 f(x) x + f(x) - x)$$

Sequence: A094706
Score: 15.6392
Type of gen. func.: ogf

$$\frac{x}{(-1 + 2 x) (x^2 + 2 x - 1)}$$

Sequence: A094706
Score: 18.7477
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^2 + 3 x - 2)}{(-1 + 2 x) (x^2 + 2 x - 1)}$$

Sequence: A094706
Score: 6.34023

Type of gen. func.: ogf

{a(n + 3) - 4 a(n + 2) + 3 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 1, a(2) = 4}

Sequence: A094706
Score: 6.70252
Type of gen. func.: ogf

$$-(79 f(x) + 12) (2 f(x) x^{3} + 3 f(x) x^{2} - 4 f(x) x + f(x) - x)$$

Sequence: A094707
Score: 10.6141
Type of gen. func.: ogf

$$\frac{x^{2} (x + 1)}{(x - 1) (x^{4} + x^{2} - 1)}$$

Sequence: A094707
Score: 15.8725
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^{5} + x^{4} - x^{3} + x^{2} - x - 1)}{(x - 1) (x + 1) (x^{4} + x^{2} - 1)}$$

Sequence: A094715
Score: 7.25151
Type of gen. func.: lgdogf

$$\frac{x (3 x^{7} - 8 x^{6} - 26 x^{5} + 6 x^{4} + 24 x^{3} - 8 x^{2} + 3 x + 2)}{(-1 + 2 x) (x^{2} - x + 1) (3 x^{2} + 3 x + 1) (x^{5} - x^{4} + x^{3} + 2 x^{2} - 1)}$$

Sequence: A094715
Score: 7.98998
Type of gen. func.: ogf

$$\frac{x^5 - x^4 + x^3 + 2 x^2 - 1}{(-1 + 2 x) (x^2 - x + 1) (3 x^2 + 3 x + 1)}$$

Sequence: A094717
Score: 6.12887
Type of gen. func.: ogf

$$- \frac{2 x^5 - 2 x^4 + 5 x^3 - 8 x^2 + 5 x - 1}{(3 x - 1) (x - 1) (x^2 + x + 1) (3 x^2 - 3 x + 1)}$$

Sequence: A094723
Score: 11.5923
Type of gen. func.: ogf

$$- \frac{x^2 + x - 1}{(-1 + 2 x) (x^2 + 2 x - 1)}$$

Sequence: A094723
Score: 12.8456
Type of gen. func.: lgdogf

$$- \frac{2 x^4 + 4 x^3 + x^2 - 8 x + 3}{(-1 + 2 x) (x^2 + x - 1) (x^2 + 2 x - 1)}$$

Sequence: A094723
Score: 6.09597
Type of gen. func.: ogf

$$-(19 f(x) - 3) (2 f(x) x^3 + 3 f(x) x^2 - 4 f(x) x + x^2 + f(x) + x - 1)$$

Sequence: A094723
Score: 6.31369
Type of gen. func.: ogf

{a(n + 3) - 4 a(n + 2) + 3 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 3, a(2) = 8}

Sequence: A094726
Score: 13.6568
Type of gen. func.: ogf

$$-\frac{3x+1}{9x^2+2x-1}$$

Sequence: A094726
Score: 14.3337
Type of gen. func.: revogf

$$\frac{-1-2x+(40x^2+16x+1)^{1/2}}{6(3x+1)}$$

Sequence: A094726
Score: 15.8425
Type of gen. func.: lgdogf

$$-\frac{27x^2+18x+5}{(3x+1)(9x^2+2x-1)}$$

Sequence: A094726
Score: 7.14601
Type of gen. func.: ogf

$$(28 f(x) - 3) (9 f(x) x^2 + 2 f(x) x - f(x) + 3 x + 1)$$

Sequence: A094726
Score: 7.49459
Type of gen. func.: ogf

{a(n + 2) - 2 a(n + 1) - 9 a(n), a(0) = 1, a(1) = 5}

Sequence: A094729
Score: 11.0908
Type of gen. func.: ogf

$$-\frac{x\,(12\,x^2 - 5\,x + 1)}{(x - 1)\,(3\,x - 1)\,(-1 + 2\,x)}$$

Sequence: A094729
Score: 5.62940
Type of gen. func.: ogf

{-a(n + 4) + 6 a(n + 3) - 11 a(n + 2) + 6 a(n + 1), a(0) = 0, a(1) = 1,

a(2) = 1, a(3) = 7}

Sequence: A094729
Score: 6.2973
Type of gen. func.: ogf

$$(26\,f(x) - 1)\,(6\,f(x)\,x^3 - 11\,f(x)\,x^2 + 12\,x^3 + 6\,f(x)\,x - 5\,x^2 - f(x) + x)$$

Sequence: A094729
Score: 9.92945
Type of gen. func.: lgdogf

$$-\frac{72\,x^4 - 60\,x^3 + x^2 + 2\,x + 1}{(x - 1)\,(3\,x - 1)\,(-1 + 2\,x)\,(12\,x^2 - 5\,x + 1)}$$

Sequence: A094730
Score: 4.57789
Type of gen. func.: ogf

$$-\frac{x\,(5040\,x^5 - 2686\,x^4 + 843\,x^3 - 193\,x^2 + 21\,x - 1)}{(x - 1)\,(4\,x - 1)\,(3\,x - 1)\,(-1 + 2\,x)\,(7\,x - 1)\,(5\,x - 1)}$$

Sequence: A094734

Score: 11.6835
Type of gen. func.: ogf

$$-\frac{x\,(9\,x^{2}-5\,x+1)}{(x-1)\,(3\,x-1)\,(-1+2\,x)}$$

Sequence: A094734
Score: 11.7078
Type of gen. func.: lgdogf

$$-\frac{54\,x^{4}-60\,x^{3}+19\,x^{2}-4\,x+1}{(x-1)\,(3\,x-1)\,(-1+2\,x)\,(9\,x^{2}-5\,x+1)}$$

Sequence: A094734
Score: 5.84176
Type of gen. func.: ogf

$\{a(n+4)-6\,a(n+3)+11\,a(n+2)-6\,a(n+1),\ a(0)=0,\ a(1)=1,\ a(2)=1,$

$a(3)=4\}$

Sequence: A094734
Score: 6.37282
Type of gen. func.: ogf

$$-(47\,f(x)-7)\,(6\,f(x)\,x^{3}-11\,f(x)\,x^{2}+9\,x^{3}+6\,f(x)\,x-5\,x^{2}-f(x)+x)$$

Sequence: A094735
Score: 5.21819
Type of gen. func.: ogf

$$-\frac{x\,(1960\,x^{5}-1695\,x^{4}+731\,x^{3}-176\,x^{2}+21\,x-1)}{(x-1)\,(4\,x-1)\,(3\,x-1)\,(-1+2\,x)\,(7\,x-1)\,(5\,x-1)}$$

Sequence: A094759
Score: 12.1088
Type of gen. func.: lgdogf

$$\frac{2\,(297\,x^{29} - 891\,x^{28} + 891\,x^{27} - 297\,x^{26} + 1)}{(x - 1)\,(22\,x^{29} - 44\,x^{28} + 22\,x^{27} - 1)}$$

Sequence: A094759
Score: 13.0335
Type of gen. func.: ogf

$$-\frac{22\,x^{29} - 44\,x^{28} + 22\,x^{27} - 1}{(x - 1)^{2}}$$

Sequence: A094766
Score: 10.4486
Type of gen. func.: lgdogf

$$\frac{12\,x^{5} - 46\,x^{4} + 64\,x^{3} - 33\,x^{2} - 6\,x + 15}{(x - 1)\,(6\,x^{5} - 16\,x^{4} + 16\,x^{3} - 15\,x^{2} + 18\,x - 11)}$$

Sequence: A094766
Score: 9.34538
Type of gen. func.: ogf

$$\frac{6\,x^{5} - 16\,x^{4} + 16\,x^{3} - 15\,x^{2} + 18\,x - 11}{(x - 1)^{3}}$$

Sequence: A094788
Score: 10.2908
Type of gen. func.: ogf

$$-\frac{-1 + 2\,x}{(x^{2} - 3\,x + 1)\,(5\,x^{2} - 5\,x + 1)}$$

Sequence: A094788

Score: 5.10491
Type of gen. func.: ogf

$$(1054 f(x) - 47)$$

$$(5 f(x) x^4 - 20 f(x) x^3 + 21 f(x) x^2 - 8 f(x) x + f(x) + 2 x - 1)$$

Sequence: A094788
Score: 9.63045
Type of gen. func.: lgdogf

$$- \frac{2 (3 x - 1) (5 x^3 - 15 x^2 + 12 x - 3)}{(-1 + 2 x) (x^2 - 3 x + 1) (5 x^2 - 5 x + 1)}$$

Sequence: A094789
Score: 11.9645
Type of gen. func.: ogf

$$\frac{x - 1}{x^3 - 6 x^2 + 5 x - 1}$$

Sequence: A094789
Score: 15.5311
Type of gen. func.: lgdogf

$$- \frac{(-1 + 2 x) (x - 2)^2}{(x - 1) (x^3 - 6 x^2 + 5 x - 1)}$$

Sequence: A094789
Score: 5.61167
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 6 a(n + 1) + a(n), a(0) = 1, a(1) = 4, a(2) = 14\}$$

Sequence: A094789
Score: 5.87147
Type of gen. func.: ogf

$$-(61 f(x) + 3) (f(x) x^3 - 6 f(x) x^2 + 5 f(x) x - f(x) - x + 1)$$

Sequence: A094790
Score: 11.7216
Type of gen. func.: ogf

$$\frac{-1 + 2 x}{x^3 - 6 x^2 + 5 x - 1}$$

Sequence: A094790
Score: 12.4157
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 15 x^2 + 12 x - 3}{(-1 + 2 x) (x^3 - 6 x^2 + 5 x - 1)}$$

Sequence: A094790
Score: 5.54682
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 6 a(n + 1) - a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A094790
Score: 5.64766
Type of gen. func.: ogf

$$-(122 f(x) + 13) (f(x) x^3 - 6 f(x) x^2 + 5 f(x) x - f(x) - 2 x + 1)$$

Sequence: A094792
Score: 11.1201
Type of gen. func.: ogf

$$\frac{x^3 + 3 x + 2}{(x - 1)^4}$$

Sequence: A094792
Score: 20.3387
Type of gen. func.: lgdogf

$$-\frac{x^3 + 3 x^2 + 9 x + 11}{(x - 1) (x^3 + 3 x + 2)}$$

Sequence: A094792
Score: 5.64182
Type of gen. func.: ogf

$\{a(n + 1) + (-n - 7) a(n + 2) + (n + 3) a(n + 3), a(0) = 2, a(1) = 11,$

$a(2) = 32\}$

Sequence: A094792
Score: 5.76907
Type of gen. func.: ogf

$(584 f(x) + 569)$

$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x + f(x) - 3 x - 2)$

Sequence: A094793
Score: 13.6432
Type of gen. func.: lgdogf

$$-\frac{x^4 + 4 x^3 + 18 x^2 + 44 x + 53}{(x - 1) (x^4 + 6 x^2 + 8 x + 9)}$$

Sequence: A094793
Score: 5.18096
Type of gen. func.: ogf

$\{-a(n + 1) + (n + 8) a(n + 2) + (-n - 3) a(n + 3), a(0) = 9, a(1) = 53,$

$a(2) = 181\}$

Sequence: A094793
Score: 8.15853
Type of gen. func.: ogf

$$-\frac{x^4 + 6 x^2 + 8 x + 9}{(x - 1)^5}$$

Sequence: A094794
Score: 5.05095
Type of gen. func.: ogf

{-a(n + 1) + (n + 9) a(n + 2) + (-n - 3) a(n + 3), a(0) = 44, a(1) = 309,

a(2) = 1214}

Sequence: A094794
Score: 6.54753
Type of gen. func.: ogf

$$\frac{x^5 + 10 x^3 + 20 x^2 + 45 x + 44}{(x - 1)^6}$$

Sequence: A094794
Score: 9.76991
Type of gen. func.: lgdogf

$$-\frac{x^5 + 5 x^4 + 30 x^3 + 110 x^2 + 265 x + 309}{(x - 1) (x^5 + 10 x^3 + 20 x^2 + 45 x + 44)}$$

Sequence: A094795
Score: 4.85297
Type of gen. func.: ogf

{-a(n + 1) + (n + 10) a(n + 2) + (-n - 3) a(n + 3), a(0) = 265, a(1) = 2119,

a(2) = 9403}

Sequence: A094795
Score: 5.37965
Type of gen. func.: ogf

$$-\frac{x^6 + 15 x^4 + 40 x^3 + 135 x^2 + 264 x + 265}{(x - 1)^7}$$

Sequence: A094795
Score: 7.48289
Type of gen. func.: lgdogf

$$-\frac{x^6 + 6 x^5 + 45 x^4 + 220 x^3 + 795 x^2 + 1854 x + 2119}{(x - 1) (x^6 + 15 x^4 + 40 x^3 + 135 x^2 + 264 x + 265)}$$

Sequence: A094797
Score: 11.5625
Type of gen. func.: lgdogf

$$-\frac{990 x^3 - 281 x^2 + 22 x - 2}{(x - 1) (10 x - 1) (99 x^2 - 19 x + 1)}$$

Sequence: A094797
Score: 5.00779
Type of gen. func.: ogf

$-(2339280 f(x) - 1788821)$

$$(100 f(x) x^3 - 120 f(x) x^2 + 21 f(x) x + 99 x^2 - f(x) - 19 x + 1)$$

Sequence: A094797
Score: 5.68681
Type of gen. func.: ogf

{-a(n + 3) + 21 a(n + 2) - 120 a(n + 1) + 100 a(n), a(0) = 1, a(1) = 2,

a(2) = 21}

Sequence: A094797
Score: 9.86829
Type of gen. func.: ogf

$$-\frac{99 x^2 - 19 x + 1}{(x - 1) (10 x - 1)^2}$$

Sequence: A094803
Score: 10.1239
Type of gen. func.: ogf

$$-\frac{x^2 - 3 x + 1}{(-1 + 2 x) (2 x^2 - 4 x + 1)}$$

Sequence: A094803
Score: 5.27463
Type of gen. func.: ogf

$$-(230 f(x) + 67) (4 f(x) x^3 - 10 f(x) x^2 + 6 f(x) x + x^2 - f(x) - 3 x + 1)$$

Sequence: A094803
Score: 5.55471
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 10 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A094803
Score: 9.75883
Type of gen. func.: lgdogf

$$-\frac{4 x^4 - 24 x^3 + 36 x^2 - 18 x + 3}{(-1 + 2 x) (x^2 - 3 x + 1) (2 x^2 - 4 x + 1)}$$

Sequence: A094806
Score: 11.7775
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 22 x^2 + 20 x - 5}{(x - 1) (-1 + 2 x) (2 x^2 - 4 x + 1)}$$

Sequence: A094806
Score: 13.4547
Type of gen. func.: ogf

$$\frac{x - 1}{(-1 + 2 x) (2 x^2 - 4 x + 1)}$$

Sequence: A094806
Score: 6.37330
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 10 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 5, a(2) = 20\}$$

Sequence: A094806
Score: 6.66565
Type of gen. func.: ogf

$$-(79 f(x) - 4) (4 f(x) x^3 - 10 f(x) x^2 + 6 f(x) x - f(x) - x + 1)$$

Sequence: A094811
Score: 17.1674
Type of gen. func.: lgdogf

$$-\frac{2 (6 x^2 - 10 x + 3)}{(-1 + 2 x) (2 x^2 - 4 x + 1)}$$

Sequence: A094811
Score: 17.9580

Type of gen. func.: ogf

$$-\frac{1}{(-1+2x)(2x^2-4x+1)}$$

Sequence: A094811
Score: 5.98599
Type of gen. func.: ogf

$$\{a(n+3)-6a(n+2)+10a(n+1)-4a(n), a(0)=1, a(1)=6, a(2)=26\}$$

Sequence: A094811
Score: 6.62526
Type of gen. func.: ogf

$$(113f(x)-18)(4f(x)x^3-10f(x)x^2+6f(x)x-f(x)+1)$$

Sequence: A094817
Score: 5.03192
Type of gen. func.: ogf

$$-(394f(x)+213)(4f(x)x^3-10f(x)x^2+6f(x)x+3x^2-f(x)-6x+2)$$

Sequence: A094817
Score: 5.29675
Type of gen. func.: ogf

$$\{-a(n+3)+6a(n+2)-10a(n+1)+4a(n), a(0)=2, a(1)=6, a(2)=19\}$$

Sequence: A094817
Score: 8.82265
Type of gen. func.: lgdogf

$$-\frac{2(6x^4-24x^3+33x^2-17x+3)}{(-1+2x)(2x^2-4x+1)(3x^2-6x+2)}$$

Sequence: A094817
Score: 9.73919
Type of gen. func.: ogf

$$-\frac{3 x^{2} - 6 x + 2}{(-1 + 2 x) (2 x^{2} - 4 x + 1)}$$

Sequence: A094818
Score: 7.62533
Type of gen. func.: ogf

$$-\frac{x^{10} + x^{9} + 3 x^{8} + 3 x^{7} + 5 x^{6} + 4 x^{5} + 6 x^{4} + 3 x^{3} + 3 x^{2} + x + 1}{(x - 1) (x + 1) (x^{2} - x + 1) (x^{2} + 1) (x^{2} + x + 1)}$$

Sequence: A094821
Score: 11.5905
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^{3} - 6 x^{2} + 7 x - 2)}{(x - 1) (-1 + 2 x) (2 x^{2} - 4 x + 1)}$$

Sequence: A094821
Score: 5.2507
Type of gen. func.: ogf

$$(394 f(x) + 47) (4 f(x) x^{3} - 10 f(x) x^{2} + 6 f(x) x + x^{2} - f(x) - 2 x + 1)$$

Sequence: A094821
Score: 5.29675
Type of gen. func.: ogf

{a(n + 3) - 6 a(n + 2) + 10 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 4, a(2) = 15}

Sequence: A094821

Score: 9.73919
Type of gen. func.: ogf

$$-\frac{(x-1)^2}{(-1+2x)(2x^2-4x+1)}$$

Sequence: A094822
Score: 6.68818
Type of gen. func.: lgdegf]

$$64-288x+324x^2+(-297x^2+240x-48)f(x)+(90x^2-66x+12)f(x)^2$$
$$+(-9x^2+6x-1)f(x)^3$$

Sequence: A094823
Score: 7.30070
Type of gen. func.: ogf

$$\frac{x(4x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)}{(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x-1)^2}$$

Sequence: A094825
Score: 10.4056
Type of gen. func.: lgdogf

$$-\frac{15x^4-60x^3+81x^2-42x+7}{(x-1)(x^2-3x+1)(5x^2-5x+1)}$$

Sequence: A094825
Score: 10.4422
Type of gen. func.: ogf

$$-\frac{x-1}{(x^2-3x+1)(5x^2-5x+1)}$$

Sequence: A094825
Score: 5.02181
Type of gen. func.: ogf

$$-(7259 f(x) - 59)$$

$$(5 f(x) x^4 - 20 f(x) x^3 + 21 f(x) x^2 - 8 f(x) x + f(x) + x - 1)$$

Sequence: A094826
Score: 12.0252
Type of gen. func.: ogf

$$\frac{3 x - 1}{x^3 - 9 x^2 + 6 x - 1}$$

Sequence: A094826
Score: 12.4893
Type of gen. func.: lgdogf

$$- \frac{3 (2 x^3 - 10 x^2 + 6 x - 1)}{(3 x - 1) (x^3 - 9 x^2 + 6 x - 1)}$$

Sequence: A094826
Score: 5.69052
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 9 a(n + 1) - a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A094826
Score: 6.12824
Type of gen. func.: ogf

$$(7 f(x) + 20) (f(x) x^3 - 9 f(x) x^2 + 6 f(x) x - f(x) - 3 x + 1)$$

Sequence: A094827
Score: 4.59855
Type of gen. func.: ogf

$(83 f(x) + 1)$

$$(f(x) x^4 - 10 f(x) x^3 + 15 f(x) x^2 - 7 f(x) x - x^2 + f(x) + 3 x - 1)$$

Sequence: A094827
Score: 8.14103
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - 19 x^4 + 64 x^3 - 68 x^2 + 28 x - 4}{(x - 1) (x^2 - 3 x + 1) (x^3 - 9 x^2 + 6 x - 1)}$$

Sequence: A094827
Score: 8.54941
Type of gen. func.: ogf

$$\frac{x^2 - 3 x + 1}{(x - 1) (x^3 - 9 x^2 + 6 x - 1)}$$

Sequence: A094828
Score: 10.0030
Type of gen. func.: lgdogf

$$- \frac{6 x^4 - 44 x^3 + 60 x^2 - 30 x + 5}{(x - 1) (-1 + 2 x) (x^3 - 9 x^2 + 6 x - 1)}$$

Sequence: A094828
Score: 4.75495
Type of gen. func.: ogf

$-(2753 f(x) - 28)$

$$(f(x) x^4 - 10 f(x) x^3 + 15 f(x) x^2 - 7 f(x) x + f(x) + 2 x - 1)$$

Sequence: A094828

Score: 9.88727
Type of gen. func.: ogf

$$-\frac{-1 + 2 x}{(x - 1) (x^3 - 9 x^2 + 6 x - 1)}$$

Sequence: A094829
Score: 15.7622
Type of gen. func.: ogf

$$-\frac{1}{x^3 - 9 x^2 + 6 x - 1}$$

Sequence: A094829
Score: 17.8331
Type of gen. func.: lgdogf

$$-\frac{3 (x^2 - 6 x + 2)}{x^3 - 9 x^2 + 6 x - 1}$$

Sequence: A094829
Score: 5.16107
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 9 a(n + 1) - a(n), a(0) = 1, a(1) = 6, a(2) = 27\}$$

Sequence: A094829
Score: 5.66215
Type of gen. func.: ogf

$$(2036 f(x) - 11) (f(x) x^3 - 9 f(x) x^2 + 6 f(x) x - f(x) + 1)$$

Sequence: A094831
Score: 10.2468
Type of gen. func.: lgdogf

4 3 2

$$-\frac{3 x - 8 x + 21 x - 12 x + 2}{(x - 1) (3 x - 1) (x^3 - 9 x^2 + 6 x - 1)}$$

Sequence: A094831
Score: 10.2899
Type of gen. func.: ogf

$$-\frac{(3 x - 1) (x - 1)}{x^3 - 9 x^2 + 6 x - 1}$$

Sequence: A094831
Score: 5.27463
Type of gen. func.: ogf

$$-(525 f(x) - 137) (f(x) x^3 - 9 f(x) x^2 + 6 f(x) x + 3 x^2 - f(x) - 4 x + 1)$$

Sequence: A094831
Score: 5.60430
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 9 a(n + 1) + a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A094832
Score: 10.7120
Type of gen. func.: ogf

$$-\frac{x^2 - 3 x + 1}{x^3 - 9 x^2 + 6 x - 1}$$

Sequence: A094832
Score: 11.4385
Type of gen. func.: lgdogf

$$-\frac{x^4 - 6 x^3 + 24 x^2 - 16 x + 3}{(x^2 - 3 x + 1) (x^3 - 9 x^2 + 6 x - 1)}$$

Sequence: A094832
Score: 5.63303
Type of gen. func.: ogf

$$-(21 f(x) - 1) (f(x) x^3 - 9 f(x) x^2 + 6 f(x) x + x^2 - f(x) - 3 x + 1)$$

Sequence: A094832
Score: 5.78259
Type of gen. func.: ogf

{-a(n + 3) + 6 a(n + 2) - 9 a(n + 1) + a(n), a(0) = 1, a(1) = 3, a(2) = 10}

Sequence: A094833
Score: 11.5729
Type of gen. func.: ogf

$$\frac{-1 + 2 x}{x^3 - 9 x^2 + 6 x - 1}$$

Sequence: A094833
Score: 12.2582
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 21 x^2 + 18 x - 4}{(-1 + 2 x) (x^3 - 9 x^2 + 6 x - 1)}$$

Sequence: A094833
Score: 5.42800
Type of gen. func.: ogf

{-a(n + 3) + 6 a(n + 2) - 9 a(n + 1) + a(n), a(0) = 1, a(1) = 4, a(2) = 15}

Sequence: A094833
Score: 5.6272
Type of gen. func.: ogf

$$-(176 f(x) + 9) (f(x) x^3 - 9 f(x) x^2 + 6 f(x) x - f(x) - 2 x + 1)$$

Sequence: A094834
Score: 11.8727
Type of gen. func.: ogf

$$\frac{x - 1}{x^3 - 9 x^2 + 6 x - 1}$$

Sequence: A094834
Score: 13.1179
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 12 x^2 + 18 x - 5}{(x - 1) (x^3 - 9 x^2 + 6 x - 1)}$$

Sequence: A094834
Score: 5.56862
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 9 a(n + 1) + a(n), a(0) = 1, a(1) = 5, a(2) = 21\}$$

Sequence: A094834
Score: 5.61835
Type of gen. func.: ogf

$$-(7239 f(x) + 170) (f(x) x^3 - 9 f(x) x^2 + 6 f(x) x - f(x) - x + 1)$$

Sequence: A094835
Score: 10.3723
Type of gen. func.: lgdogf

$$-\frac{2701 x^2 - 2 x + 1}{(2701 x - 1) (x^2 - 2702 x + 1)}$$

```
--------------------------------------------------------------------------------

Sequence:  A094835
Score: 4.14182
Type of gen. func.: ogf


                                          2
    -(3647700 f(x) - 94840187) (f(x) x  - 2702 f(x) x + f(x) + 70226 x - 26)



--------------------------------------------------------------------------------

Sequence:  A094835
Score: 5.23679
Type of gen. func.: ogf


            {a(n + 2) - 2702 a(n + 1) + a(n), a(0) = 26, a(1) = 26}



--------------------------------------------------------------------------------

Sequence:  A094835
Score: 8.10926
Type of gen. func.: revogf


                                               2                 1/2
                     -13 - 1351 x + (1825200 x  - 35100 x + 169)
                   - ----------------------------------------------
                                       70226 + x



--------------------------------------------------------------------------------

Sequence:  A094835
Score: 8.59625
Type of gen. func.: ogf


                                    26 (2701 x - 1)
                                  - ---------------
                                     2
                                    x  - 2702 x + 1



--------------------------------------------------------------------------------

Sequence:  A094836
Score: 10.0821
Type of gen. func.: lgdogf


                                 (53 x + 1) (51 x - 1)
                           - ------------------------------
                                                 2
                             (2703 x - 1) (x  - 2702 x + 1)



--------------------------------------------------------------------------------

Sequence:  A094836
```

Score: 10.5492
Type of gen. func.: ogf

$$\frac{15\,(2703\,x-1)}{x^{2}-2702\,x+1}$$

Sequence: A094836
Score: 5.22527
Type of gen. func.: ogf

$$(7306208\,f(x)+109593105)\,(f(x)\,x^{2}-2702\,f(x)\,x+f(x)-40545\,x+15)$$

Sequence: A094836
Score: 6.42649
Type of gen. func.: ogf

$$\{-a(n+2)+2702\,a(n+1)-a(n),\ a(0)=-15,\ a(1)=15\}$$

Sequence: A094836
Score: 6.93143
Type of gen. func.: revogf

$$\frac{-15+2702\,x+15^{1/2}\,((520\,x+3)\,(936\,x+5))^{1/2}}{2\,(-40545+x)}$$

Sequence: A094854
Score: 4.52942
Type of gen. func.: ogf

$$(23\,f(x)-3)\,(f(x)\,x^{4}-10\,f(x)\,x^{3}+15\,f(x)\,x^{2}+2\,x^{3}-7\,f(x)\,x-7\,x^{2}+f(x)+5\,x-1)$$

Sequence: A094854
Score: 7.14073
Type of gen. func.: lgdogf

$$-\frac{2x^6 - 14x^5 + 55x^4 - 76x^3 + 50x^2 - 16x + 2}{(x-1)(-1+2x)(x^2-3x+1)(x^3-9x^2+6x-1)}$$

Sequence: A094854
Score: 8.02682
Type of gen. func.: ogf

$$-\frac{(-1+2x)(x^2-3x+1)}{(x-1)(x^3-9x^2+6x-1)}$$

Sequence: A094855
Score: 10.5537
Type of gen. func.: lgdogf

$$-\frac{4x^4 - 24x^3 + 30x^2 - 16x + 3}{(x-1)(-1+2x)(x^3-9x^2+6x-1)}$$

Sequence: A094855
Score: 4.97463
Type of gen. func.: ogf

$$(19 f(x) + 2)$$

$$(f(x) x^4 - 10 f(x) x^3 + 15 f(x) x^2 - 7 f(x) x - 4 x^2 + f(x) + 4 x - 1)$$

Sequence: A094855
Score: 9.24862
Type of gen. func.: ogf

$$\frac{(-1+2x)^2}{(x-1)(x^3-9x^2+6x-1)}$$

Sequence: A094856
Score: 11.3029

Type of gen. func.: lgdegf]

$$25 - 160 x + 256 x^2 + (-128 x^2 + 72 x - 10) f(x) + (16 x^2 - 8 x + 1) f(x)^2$$

Sequence: A094856
Score: 5.16343
Type of gen. func.: ogf

$$\{(-16 n - 32) a(n + 1) + (4 n + 13) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 5, a(2) = 29\}$$

Sequence: A094864
Score: 16.6868
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - x^2 + 2 x - 1)}{(x - 1) (-1 + 2 x) (x^2 - 3 x + 1)}$$

Sequence: A094864
Score: 5.87982
Type of gen. func.: ogf

$$f(x) (f(x) x^4 - 6 f(x) x^3 + 11 f(x) x^2 + 2 x^3 - 6 f(x) x - 5 x^2 + f(x) + 4 x - 1)$$

Sequence: A094864
Score: 9.79971
Type of gen. func.: ogf

$$-\frac{(-1 + 2 x) (x - 1)^2}{(x^2 - 3 x + 1)^2}$$

Sequence: A094865
Score: 14.6104
Type of gen. func.: lgdogf

$$-\frac{2 (10 x^{3} - 30 x^{2} + 21 x - 4)}{(x^{2} - 3 x + 1) (5 x^{2} - 5 x + 1)}$$

Sequence: A094865
Score: 14.9622
Type of gen. func.: ogf

$$\frac{x^{3}}{(x^{2} - 3 x + 1) (5 x^{2} - 5 x + 1)}$$

Sequence: A094865
Score: 7.5552
Type of gen. func.: ogf

$$-5 f(x) x^{4} + 20 f(x) x^{3} - 21 f(x) x^{2} + x^{3} + 8 f(x) x - f(x)$$

Sequence: A094869
Score: 27.9071
Type of gen. func.: lgdegf]

$$-6 + 25 x + (1 - 5 x) f(x)$$

Sequence: A094869
Score: 4.12663
Type of gen. func.: ogf

$\{(-25 n - 50) a(n + 1) + (5 n + 16) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 6,$

$a(2) = 41\}$

Sequence: A094875
Score: 28.6384
Type of gen. func.: lgdogf

$$\frac{37 x^{36} + 5 x^{4} + 1}{{}^{37} \quad {}^{5}}$$

```
                              x   + x  + x + 1
```

Sequence: A094895
Score: 3.78748
Type of gen. func.: ogf

```
-(1333504977 f(x) - 5769217406)

               3              2                       2
    (544 f(x) x  + 324 f(x) x  + 24 f(x) x + 1480 x  - f(x) + 256 x + 1)
```

Sequence: A094895
Score: 4.43943
Type of gen. func.: ogf

```
{-a(n + 3) + 24 a(n + 2) + 324 a(n + 1) + 544 a(n), a(0) = 1, a(1) = 280,

    a(2) = 8524}
```

Sequence: A094895
Score: 6.03157
Type of gen. func.: lgdogf

```
                               4          3         2
                 8 (100640 x  + 34816 x  + 6132 x  + 451 x + 35)
              - -------------------------------------------------------
                                                          2
                (-1 + 34 x) (8 x + 1) (2 x + 1) (1480 x  + 256 x + 1)
```

Sequence: A094895
Score: 7.62831
Type of gen. func.: ogf

```
                                      2
                                1480 x  + 256 x + 1
                          - -------------------------------
                            (2 x + 1) (8 x + 1) (-1 + 34 x)
```

Sequence: A094905
Score: 24.9533
Type of gen. func.: lgdegf]

```
                              -7 + 36 x + (1 - 6 x) f(x)
```

Sequence: A094905
Score: 3.69679
Type of gen. func.: ogf

$$\{(-36 n - 72) a(n + 1) + (6 n + 19) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 7, a(2) = 55\}$$

Sequence: A094909
Score: 10.6052
Type of gen. func.: lgdogf

$$\frac{x^8 + x^6 + 2 x^5 + 5 x^4 + 2 x^3 + 4 x^2 + 2 x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^6 - 2 x^5 + x^2 - 1)}$$

Sequence: A094909
Score: 7.66296
Type of gen. func.: ogf

$$\frac{x^7 - x^6 - x^5 - x^4 + x^3 + x^2 - 1}{(x^2 + x + 1) (x + 1) (x - 1)^3}$$

Sequence: A094911
Score: 28.8041
Type of gen. func.: lgdegf]

$$\frac{-8 + 49 x}{7 x - 1}$$

Sequence: A094911
Score: 3.83743
Type of gen. func.: ogf

$$\{(-49 n - 98) a(n + 1) + (7 n + 22) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 8, a(2) = 71\}$$

Sequence: A094914
Score: 4.07711
Type of gen. func.: ogf

```
-(2708768 f(x) + 12840188755877)

           3           2                         2
    (f(x) x  - 3 f(x) x  + 3 f(x) x + 1354363 x  - f(x) - 2708726 x + 1354361)
```

Sequence: A094914
Score: 4.76708
Type of gen. func.: ogf

```
{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 1354361, a(1) = 1354357,

    a(2) = 1354351}
```

Sequence: A094914
Score: 7.84456
Type of gen. func.: ogf

```
                                  2
                         1354363 x  - 2708726 x + 1354361
                       - --------------------------------
                                            3
                                     (x - 1)
```

Sequence: A094914
Score: 8.67154
Type of gen. func.: lgdogf

```
                                  2
                         1354363 x  - 2708726 x + 1354357
                  - ------------------------------------------
                                          2
                    (x - 1) (1354363 x  - 2708726 x + 1354361)
```

Sequence: A094935
Score: 22.8830
Type of gen. func.: lgdegf]

```
                           -9 + 64 x + (1 - 8 x) f(x)
```

Sequence: A094935
Score: 3.37045
Type of gen. func.: ogf

$$\{(-64 n - 128) a(n + 1) + (8 n + 25) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 9, a(2) = 89\}$$

Sequence: A094938
Score: 10.4453
Type of gen. func.: revogf

$$- \frac{-1 - 45 x + (729 x^2 + 162 x + 1)^{1/2}}{36 (-1 + 18 x)}$$

Sequence: A094938
Score: 10.6664
Type of gen. func.: ogf

$$\frac{18 x + 1}{(36 x - 1) (9 x - 1)}$$

Sequence: A094938
Score: 11.1266
Type of gen. func.: lgdogf

$$- \frac{9 (648 x^2 + 72 x - 7)}{(36 x - 1) (18 x + 1) (9 x - 1)}$$

Sequence: A094938
Score: 5.74345
Type of gen. func.: ogf

$$(27 f(x) + 22) (324 f(x) x^2 - 45 f(x) x + f(x) - 18 x - 1)$$

Sequence: A094938
Score: 6.07737
Type of gen. func.: ogf

$$\{-a(n + 2) + 45 a(n + 1) - 324 a(n), a(0) = 1, a(1) = 63\}$$

Sequence: A094943
Score: 4.48162
Type of gen. func.: ogf

$$(292771 f(x) + 179222)$$

$$(18 f(x) x^3 + 15 f(x) x^2 + 3 f(x) x + 18 x^2 - f(x) + 10 x + 1)$$

Sequence: A094943
Score: 4.82933
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) - 15 a(n + 1) - 18 a(n), a(0) = 1, a(1) = 13, a(2) = 72}

Sequence: A094943
Score: 7.61415
Type of gen. func.: lgdogf

$$-\frac{324 x^4 + 360 x^3 + 150 x^2 + 66 x + 13}{(6 x - 1) (18 x^2 + 10 x + 1) (3 x^2 + 3 x + 1)}$$

Sequence: A094943
Score: 8.61849
Type of gen. func.: ogf

$$-\frac{18 x^2 + 10 x + 1}{(6 x - 1) (3 x^2 + 3 x + 1)}$$

Sequence: A094944
Score: 10.5386
Type of gen. func.: lgdogf

$$-\frac{343 x^3 + 147 x^2 + 21 x + 17}{(1 + 7 x) (7 x - 1) (7 x^2 + 4 x + 1)}$$

Sequence: A094944
Score: 4.89546
Type of gen. func.: ogf

$$-(169 f(x) + 399)$$

$$(49 f(x) x^3 + 21 f(x) x^2 + 3 f(x) x + 49 x^2 - f(x) + 14 x + 1)$$

Sequence: A094944
Score: 5.14651
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 21 a(n + 1) - 49 a(n), a(0) = 1, a(1) = 17, a(2) = 121\}$$

Sequence: A094944
Score: 9.26372
Type of gen. func.: ogf

$$-\frac{(1 + 7 x)^2}{(7 x - 1) (7 x^2 + 4 x + 1)}$$

Sequence: A094951
Score: 15.2951
Type of gen. func.: lgdogf

$$-\frac{81 x^2 - 84 x + 31}{(3 x - 1) (27 x^2 - 23 x + 6)}$$

Sequence: A094951
Score: 5.24296
Type of gen. func.: ogf

$$(9904 f(x) + 18181)$$

$$(27 f(x) x^3 - 27 f(x) x^2 + 9 f(x) x + 27 x^2 - f(x) - 23 x + 6)$$

Sequence: A094951
Score: 5.46701
Type of gen. func.: ogf

$\{a(n + 3) - 9 a(n + 2) + 27 a(n + 1) - 27 a(n), a(0) = 6, a(1) = 31, a(2) = 144\}$

Sequence: A094951
Score: 9.84062
Type of gen. func.: ogf

$$-\frac{27 x^2 - 23 x + 6}{(3 x - 1)^3}$$

Sequence: A094952
Score: 10.2898
Type of gen. func.: ogf

$$\frac{x^2 + 11 x + 6}{(x - 1)^4}$$

Sequence: A094952
Score: 20.1701
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 35 x + 35}{(x - 1) (x^2 + 11 x + 6)}$$

Sequence: A094952
Score: 4.83414
Type of gen. func.: ogf

$(2322045792 f(x) + 25370674727)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - x^2 + f(x) - 11 x - 6)$$

Sequence: A094958
Score: 13.0952
Type of gen. func.: ogf

$$-\frac{(x^2 + x + 1) (x + 1)}{2 x^2 - 1}$$

Sequence: A094958
Score: 15.9038
Type of gen. func.: lgdogf

$$\frac{2 x^4 - 7 x^2 - 8 x - 2}{(x + 1) (x^2 + x + 1) (2 x^2 - 1)}$$

Sequence: A094958
Score: 7.77529
Type of gen. func.: ogf

{a(n + 4) - 2 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 5}

Sequence: A094958
Score: 8.88605
Type of gen. func.: ogf

$$(f(x) - 13) (2 f(x) x^2 + x^3 + 2 x^2 - f(x) + 2 x + 1)$$

Sequence: A094966
Score: 14.0321
Type of gen. func.: lgdogf

$$-\frac{3 x^4 + 4 x^3 - 3 x^2 - 6 x - 1}{(x + 1) (x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A094966
Score: 14.2395
Type of gen. func.: ogf

$$\frac{x (x + 1)}{(x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A094966
Score: 8.4797
Type of gen. func.: ogf

$$(f(x) + 1) (f(x) x^4 - 3 f(x) x^2 - x^2 + f(x) - x)$$

Sequence: A094967
Score: 11.1366
Type of gen. func.: ogf

$$- \frac{(x - 1) (x + 1)^2}{(x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A094967
Score: 12.2298
Type of gen. func.: lgdogf

$$- \frac{x^5 + x^4 - x^3 - 3 x^2 + 3 x + 1}{(x - 1) (x + 1) (x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A094967
Score: 8.77057
Type of gen. func.: ogf

$$(f(x) + 2) (f(x) x^4 - 3 f(x) x^2 + x^3 + x^2 + f(x) - x - 1)$$

Sequence: A094968
Score: 10.2968
Type of gen. func.: ogf

$$\frac{4 x^2 - x - 1}{(-1 + 2 x) (x + 1) (x - 1)^2}$$

Sequence: A094968
Score: 12.0106
Type of gen. func.: lgdogf

$$- \frac{2 (8 x^4 - x^3 - 2 x^2 - 3 x + 2)}{(x - 1) (-1 + 2 x) (x + 1) (4 x^2 - x - 1)}$$

Sequence: A094968
Score: 3.60648
Type of gen. func.: ogf

$$\{(4 n + 6) a(n + 1) + (-2 n + 1) a(n + 2) + (-4 n - 4) a(n + 3)$$
$$+ (2 n + 1) a(n + 4), a(0) = 1, a(1) = 4, a(2) = 7, a(3) = 14\}$$

Sequence: A094968
Score: 5.22409
Type of gen. func.: ogf

$$-(16 f(x) - 151)$$
$$(2 f(x) x^4 - 3 f(x) x^3 - f(x) x^2 + 3 f(x) x - 4 x^2 - f(x) + x + 1)$$

Sequence: A095000
Score: 49.1183
Type of gen. func.: lgdegf]

$$-5 + x + (1 - x) f(x)$$

Sequence: A095000
Score: 5.54779
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 1) + (n + 7) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 5, a(2) = 29$$

}

Sequence: A095002
Score: 5.14312
Type of gen. func.: ogf

$$\{-a(n + 3) + 9 a(n + 2) - 9 a(n + 1) + a(n), a(0) = 1, a(1) = 3, a(2) = 19\}$$

Sequence: A095002
Score: 6.20873
Type of gen. func.: ogf

$$(4545 f(x) + 376) (f(x) x^3 - 9 f(x) x^2 + 9 f(x) x + x^2 - f(x) - 6 x + 1)$$

Sequence: A095002
Score: 9.52741
Type of gen. func.: ogf

$$-\frac{x^2 - 6 x + 1}{(x - 1) (x^2 - 8 x + 1)}$$

Sequence: A095002
Score: 9.98577
Type of gen. func.: lgdogf

$$-\frac{x^4 - 12 x^3 + 48 x^2 - 16 x + 3}{(x - 1) (x^2 - 8 x + 1) (x^2 - 6 x + 1)}$$

Sequence: A095003
Score: 11.3612
Type of gen. func.: ogf

$$\frac{3 x - 1}{(x - 1) (x^2 - 8 x + 1)}$$

Sequence: A095003
Score: 12.5566
Type of gen. func.: lgdogf

$$-\frac{6\,(x^3 - 5\,x^2 + 3\,x - 1)}{(x - 1)\,(3\,x - 1)\,(x^2 - 8\,x + 1)}$$

Sequence: A095003
Score: 5.32869
Type of gen. func.: ogf

$$\{a(n + 3) - 9\,a(n + 2) + 9\,a(n + 1) - a(n),\ a(0) = 1,\ a(1) = 6,\ a(2) = 45\}$$

Sequence: A095003
Score: 6.50746
Type of gen. func.: ogf

$$-(17978\,f(x) + 1597)\,(f(x)\,x^3 - 9\,f(x)\,x^2 + 9\,f(x)\,x - f(x) - 3\,x + 1)$$

Sequence: A095004
Score: 11.6438
Type of gen. func.: ogf

$$-\frac{x + 1}{(x - 1)\,(x^2 - 8\,x + 1)}$$

Sequence: A095004
Score: 13.7531
Type of gen. func.: lgdogf

$$-\frac{2\,(x^3 - 3\,x^2 - 9\,x + 5)}{(x - 1)\,(x + 1)\,(x^2 - 8\,x + 1)}$$

Sequence: A095004

Score: 5.41333
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 9 a(n + 1) - a(n), a(0) = 1, a(1) = 10, a(2) = 81\}$$

Sequence: A095004
Score: 6.85042
Type of gen. func.: ogf

$$(178910 f(x) - 6801) (f(x) x^{3} - 9 f(x) x^{2} + 9 f(x) x - f(x) + x + 1)$$

Sequence: A095049
Score: 5.63887
Type of gen. func.: ogf

$$- x^{2} (x^{18} - x^{17} + x^{16} - x^{15} + x^{14} - x^{11} + 4 x^{10} - 4 x^{9} + 4 x^{8} + 2 x^{6} - x^{5} + 3 x^{4} - x^{3} + 2 x^{2} + 1)/(x - 1)$$

Sequence: A095121
Score: 10.9327
Type of gen. func.: ogf

$$-2 f(x) x^{2} + 3 f(x) x + 2 x^{2} - f(x) - x + 1$$

Sequence: A095121
Score: 14.6458
Type of gen. func.: ogf

$$\frac{2 x^{2} - x + 1}{(-1 + 2 x) (x - 1)}$$

Sequence: A095121
Score: 19.5446
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^{2} - 1)}{\quad}$$

$$(x - 1) (-1 + 2 x) (2 x^2 - x + 1)$$

Sequence: A095121
Score: 7.61005
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A095122
Score: 7.75613
Type of gen. func.: ogf

$$- \frac{x (x^3 + 2 x^2 - 2 x + 1)}{(x + 1) (x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A095122
Score: 7.81833
Type of gen. func.: lgdogf

$$- \frac{2 x^7 + 5 x^6 - 12 x^5 + 10 x^3 - 20 x^2 + 6 x + 1}{(x + 1) (x^2 - 3 x + 1) (x^2 + x - 1) (x^3 + 2 x^2 - 2 x + 1)}$$

Sequence: A095125
Score: 11.8419
Type of gen. func.: lgdogf

$$- \frac{x^4 - 2 x^3 + 2 x^2 + 4 x + 3}{(x^2 - x - 1) (x^3 - 3 x^2 - 2 x + 1)}$$

Sequence: A095125
Score: 12.9724
Type of gen. func.: ogf

$$- \frac{x^2 - x - 1}{}$$

$$x^3 - 3x^2 - 2x + 1$$

Sequence: A095125
Score: 6.70606
Type of gen. func.: ogf

$$-(191 f(x) - 15) (f(x) x^3 - 3 f(x) x^2 - 2 f(x) x + x^2 + f(x) - x - 1)$$

Sequence: A095125
Score: 7.06532
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 1, a(1) = 3, a(2) = 8\}$$

Sequence: A095126
Score: 10.2899
Type of gen. func.: ogf

$$-\frac{x^2 - 5x - 4}{x^3 - 3x^2 - 2x + 1}$$

Sequence: A095126
Score: 10.7861
Type of gen. func.: lgdogf

$$-\frac{x^4 - 10x^3 + 5x^2 + 22x + 13}{(x^2 - 5x - 4)(x^3 - 3x^2 - 2x + 1)}$$

Sequence: A095126
Score: 5.41104
Type of gen. func.: ogf

$$(1199 f(x) + 932) (f(x) x^3 - 3 f(x) x^2 - 2 f(x) x + x^2 + f(x) - 5 x - 4)$$

Sequence: A095126
Score: 5.50598
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 4, a(1) = 13, a(2) = 37\}$$

Sequence: A095127
Score: 10.4152
Type of gen. func.: ogf

$$- \frac{x^2 - 2 x - 1}{x^3 - 3 x^2 - 2 x + 1}$$

Sequence: A095127
Score: 11.5240
Type of gen. func.: lgdogf

$$- \frac{x^4 - 4 x^3 + 5 x^2 + 4 x + 4}{(x^2 - 2 x - 1) (x^3 - 3 x^2 - 2 x + 1)}$$

Sequence: A095127
Score: 5.62239
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 1, a(1) = 4, a(2) = 10\}$$

Sequence: A095127
Score: 5.67258
Type of gen. func.: ogf

$$(59 f(x) + 5) (f(x) x^3 - 3 f(x) x^2 - 2 f(x) x + x^2 + f(x) - 2 x - 1)$$

Sequence: A095128
Score: 11.3676
Type of gen. func.: lgdogf

4   3   2

$$- \frac{x - 2 x + 2 x + 2 x + 4}{(x^2 - x - 1) (x^3 - 2 x^2 - 3 x + 1)}$$

Sequence: A095128
Score: 12.7511
Type of gen. func.: ogf

$$- \frac{x^2 - x - 1}{x^3 - 2 x^2 - 3 x + 1}$$

Sequence: A095128
Score: 6.88335
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 1, a(1) = 4, a(2) = 13\}$$

Sequence: A095128
Score: 6.9448
Type of gen. func.: ogf

$$(69 f(x) - 4) (f(x) x^3 - 2 f(x) x^2 - 3 f(x) x + x^2 + f(x) - x - 1)$$

Sequence: A095129
Score: 6.73953
Type of gen. func.: lgdogf

$$- \frac{288 x^6 - 240 x^5 - 4 x^4 + 104 x^3 - 99 x^2 + 22 x + 1}{(x - 1) (4 x - 1) (2 x + 1) (-1 + 2 x) (x + 1) (6 x^2 - 3 x + 1)}$$

Sequence: A095129
Score: 7.91147
Type of gen. func.: ogf

$$- \frac{x (6 x^2 - 3 x + 1)}{(x - 1) (4 x - 1) (2 x + 1) (-1 + 2 x) (x + 1)}$$

Sequence: A095130
Score: 10.9864
Type of gen. func.: ogf

$$-\frac{x}{(x-1)\,(x^2+x+1)\,(x^2-x+1)}$$

Sequence: A095130
Score: 18.3524
Type of gen. func.: lgdogf

$$-\frac{5\,x^4-4\,x^3+3\,x^2-2\,x+1}{(x-1)\,(x^2+x+1)\,(x^2-x+1)}$$

Sequence: A095130
Score: 23.0618
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5-x+1]$$

Sequence: A095130
Score: 5.27693
Type of gen. func.: ogf

$$f(x)\,(f(x)\,x^5-f(x)\,x^4+f(x)\,x^3-f(x)\,x^2+f(x)\,x-f(x)+x)$$

Sequence: A095151
Score: 12.1696
Type of gen. func.: ogf

$$\frac{x\,(x-2)}{(-1+2\,x)\,(x-1)^2}$$

Sequence: A095151
Score: 19.5247
Type of gen. func.: lgdogf

$$-\frac{4 x^2 - 13 x + 7}{(x - 1) (x - 2) (-1 + 2 x)}$$

Sequence: A095151
Score: 6.24924
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 0, a(1) = 2, a(2) = 7\}$$

Sequence: A095151
Score: 6.48285
Type of gen. func.: ogf

$$(7 f(x) + 4) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x - x^2 - f(x) + 2 x)$$

Sequence: A095152
Score: 11.6621
Type of gen. func.: lgdogf

$$-\frac{2 (441 x^3 - 294 x^2 - 31 x + 16)}{(x - 1) (3 x - 1) (7 x - 1) (21 x + 1)}$$

Sequence: A095152
Score: 12.2849
Type of gen. func.: ogf

$$-\frac{21 x + 1}{(x - 1) (3 x - 1) (7 x - 1)}$$

Sequence: A095152
Score: 5.55746
Type of gen. func.: ogf

$$(7205765656 f(x) - 13332566457)$$

$$(21 f(x) x^3 - 31 f(x) x^2 + 11 f(x) x - f(x) + 21 x + 1)$$

Sequence: A095152
Score: 5.93424
Type of gen. func.: ogf

$$\{a(n + 3) - 11 a(n + 2) + 31 a(n + 1) - 21 a(n), a(0) = 1, a(1) = 32, a(2) = 321\}$$

Sequence: A095153
Score: 3.9665
Type of gen. func.: ogf

$$(751528759219136 f(x) + 2758968597475125)$$

$$(315 f(x) x^4 - 486 f(x) x^3 + 196 f(x) x^2 - 26 f(x) x + f(x) - 315 x - 35)$$

Sequence: A095153
Score: 8.09489
Type of gen. func.: lgdogf

$$- \frac{8505 x^4 - 7488 x^3 + 306 x^2 + 392 x - 35}{(x - 1) (15 x - 1) (3 x - 1) (9 x + 1) (7 x - 1)}$$

Sequence: A095153
Score: 8.93858
Type of gen. func.: ogf

$$\frac{35 (9 x + 1)}{(x - 1) (15 x - 1) (3 x - 1) (7 x - 1)}$$

Sequence: A095154
Score: 6.84660
Type of gen. func.: ogf

$$- \frac{21 (465 x^2 + 82 x + 1)}{(x - 1) (15 x - 1) (3 x - 1) (31 x - 1) (7 x - 1)}$$

Sequence: A095155
Score: 5.16612
Type of gen. func.: ogf

$$\frac{7\,(87885\,x^3 + 20891\,x^2 + 591\,x + 1)}{(x - 1)\,(15\,x - 1)\,(3\,x - 1)\,(31\,x - 1)\,(63\,x - 1)\,(7\,x - 1)}$$

Sequence: A095166
Score: 19.7164
Type of gen. func.: lgdogf

$$-\frac{3\,(8\,x^2 + 9\,x + 3)}{(x - 1)\,(6\,x^2 + 3\,x + 1)}$$

Sequence: A095166
Score: 3.60089
Type of gen. func.: ogf

$\{(-n - 4)\,a(n + 4) + (3 - 2\,n)\,a(n + 3) + (21 - 3\,n)\,a(n + 2)$

$+ (30 + 6\,n)\,a(n + 1),\ a(0) = 1,\ a(1) = 9,\ a(2) = 45,\ a(3) = 155\}$

Sequence: A095166
Score: 8.22475
Type of gen. func.: ogf

$$\frac{6\,x^2 + 3\,x + 1}{(x - 1)^6}$$

Sequence: A095176
Score: 22.1802
Type of gen. func.: lgdegf]

$$-10 + 81\,x + (1 - 9\,x)\,f(x)$$

Sequence: A095176
Score: 3.38026
Type of gen. func.: ogf

{(-81 n - 162) a(n + 1) + (9 n + 28) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 10,

a(2) = 109}

Sequence: A095177
Score: 3.96087
Type of gen. func.: ogf

{(-n - 2) a(n + 1) + (n + 8) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 6, a(2) = 41

}

Sequence: A095177
Score: 34.8771
Type of gen. func.: lgdegf]

$$-6 + x + (1 - x) f(x)$$

Sequence: A095235
Score: 6.79747
Type of gen. func.: lgdogf

$$\frac{8 x^{10} - 10 x^{9} + 12 x^{8} - 16 x^{7} + 72 x^{5} - 128 x^{4} + 13 x^{3} + 9 x^{2} + 15 x + 27}{(x - 1) (x^{10} + 2 x^{8} + 24 x^{5} - 4 x^{4} - 3 x^{3} - 18 x^{2} + 21 x - 24)}$$

Sequence: A095235
Score: 8.34599
Type of gen. func.: ogf

$$- \frac{x^{10} + 2 x^{8} + 24 x^{5} - 4 x^{4} - 3 x^{3} - 18 x^{2} + 21 x - 24}{(x - 1)^{2}}$$

Sequence: A095262
Score: 10.4989

Type of gen. func.: lgdogf

$$-\frac{144 x^3 + 66 x^2 - 104 x + 21}{(2 + 3 x) (3 x - 1) (-1 + 2 x) (4 x - 1)}$$

Sequence: A095262
Score: 11.2963
Type of gen. func.: ogf

$$-\frac{2 + 3 x}{(3 x - 1) (-1 + 2 x) (4 x - 1)}$$

Sequence: A095262
Score: 5.26525
Type of gen. func.: ogf

$$(9987937 f(x) - 17878788) (24 f(x) x^3 - 26 f(x) x^2 + 9 f(x) x - f(x) + 3 x + 2)$$

Sequence: A095262
Score: 5.31025
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 26 a(n + 1) - 24 a(n), a(0) = 2, a(1) = 21, a(2) = 137\}$$

Sequence: A095263
Score: 19.3041
Type of gen. func.: ogf

$$-\frac{1}{x^3 - 2 x^2 + 3 x - 1}$$

Sequence: A095263
Score: 21.2317
Type of gen. func.: lgdogf

$$3 x^2 - 4 x + 3$$

$$-\frac{\qquad}{x^3 - 2x^2 + 3x - 1}$$

Sequence: A095263
Score: 6.37725
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 3, a(2) = 7\}$$

Sequence: A095263
Score: 7.21466
Type of gen. func.: ogf

$$(2 f(x) + 3) (f(x) x^3 - 2 f(x) x^2 + 3 f(x) x - f(x) + 1)$$

Sequence: A095264
Score: 12.3256
Type of gen. func.: ogf

$$-\frac{2 x + 1}{(-1 + 2 x) (x - 1)^2}$$

Sequence: A095264
Score: 16.4048
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^2 + 2 x - 3)}{(x - 1) (2 x + 1) (-1 + 2 x)}$$

Sequence: A095264
Score: 5.78103
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 6, a(2) = 19\}$$

Sequence: A095264

Score: 5.93869
Type of gen. func.: ogf

$$(8529 f(x) - 11668) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x - f(x) + 2 x + 1)$$

Sequence: A095265
Score: 10.6496
Type of gen. func.: ogf

$$\frac{21 x^2 + 18 x + 1}{(x - 1)^4}$$

Sequence: A095265
Score: 18.0924
Type of gen. func.: lgdogf

$$- \frac{2 (21 x^2 + 48 x + 11)}{(x - 1) (21 x^2 + 18 x + 1)}$$

Sequence: A095265
Score: 3.67050
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (29 + 17 n) a(n + 3) + (-90 + 3 n) a(n + 2)$$
$$+ (-63 - 21 n) a(n + 1), a(0) = 1, a(1) = 22, a(2) = 103, a(3) = 284\}$$

Sequence: A095265
Score: 5.43973
Type of gen. func.: ogf

$$(8860 f(x) + 145151)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 21 x^2 + f(x) - 18 x - 1)$$

Sequence: A095266
Score: 12.1825
Type of gen. func.: lgdogf

$$-\frac{6\,(13\,x^{3}+71\,x^{2}+59\,x+7)}{(x-1)\,(39\,x^{3}+103\,x^{2}+37\,x+1)}$$

Sequence: A095266
Score: 7.51254
Type of gen. func.: ogf

$$-\frac{39\,x^{3}+103\,x^{2}+37\,x+1}{(x-1)^{5}}$$

Sequence: A095307
Score: 13.2306
Type of gen. func.: ogf

$$-\frac{x-1}{(-1+2\,x)\,(x^{3}+2\,x^{2}-x-1)}$$

Sequence: A095307
Score: 13.2603
Type of gen. func.: lgdogf

$$-\frac{x\,(6\,x^{3}-2\,x^{2}-13\,x+8)}{(x-1)\,(-1+2\,x)\,(x^{3}+2\,x^{2}-x-1)}$$

Sequence: A095307
Score: 6.50858
Type of gen. func.: ogf

$$(631\,f(x)+76)\,(2\,f(x)\,x^{4}+3\,f(x)\,x^{3}-4\,f(x)\,x^{2}-f(x)\,x+f(x)+x-1)$$

Sequence: A095308
Score: 13.3856
Type of gen. func.: ogf

$$\frac{1}{(-1 + 2 x) (x^3 + 2 x^2 - x - 1)}$$

Sequence: A095308
Score: 14.2701
Type of gen. func.: lgdogf

$$- \frac{8 x^3 + 9 x^2 - 8 x - 1}{(-1 + 2 x) (x^3 + 2 x^2 - x - 1)}$$

Sequence: A095308
Score: 5.12415
Type of gen. func.: ogf

$$-(29623 f(x) + 1952) (2 f(x) x^4 + 3 f(x) x^3 - 4 f(x) x^2 - f(x) x + f(x) - 1)$$

Sequence: A095310
Score: 10.5221
Type of gen. func.: ogf

$$- \frac{x^2 - 3 x - 1}{x^3 - 3 x^2 - 2 x + 1}$$

Sequence: A095310
Score: 11.6447
Type of gen. func.: lgdogf

$$- \frac{x^4 - 6 x^3 + 8 x^2 + 4 x + 5}{(x^2 - 3 x - 1) (x^3 - 3 x^2 - 2 x + 1)}$$

Sequence: A095310
Score: 5.48585
Type of gen. func.: ogf

$$(8203 f(x) + 2009) (f(x) x^3 - 3 f(x) x^2 - 2 f(x) x + x^2 + f(x) - 3 x - 1)$$

Sequence: A095310
Score: 5.68005
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 1, a(1) = 5, a(2) = 12\}$$

Sequence: A095311
Score: 13.9758
Type of gen. func.: ogf

$$-\frac{44 x + 1}{(x - 1)^3}$$

Sequence: A095311
Score: 29.6016
Type of gen. func.: lgdogf

$$-\frac{47 + 88 x}{(44 x + 1) (x - 1)}$$

Sequence: A095311
Score: 6.28911
Type of gen. func.: ogf

$$(41741325 f(x) - 1128042541) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 44 x + 1)$$

Sequence: A095311
Score: 6.56255
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 47, a(2) = 138\}$$

Sequence: A095342

Score: 12.8819
Type of gen. func.: ogf

$$-\frac{2 x^2 + x + 1}{(-1 + 2 x) (x + 1)^2}$$

Sequence: A095342
Score: 18.0070
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 9 x + 1}{(-1 + 2 x) (x + 1) (2 x^2 + x + 1)}$$

Sequence: A095342
Score: 7.72912
Type of gen. func.: ogf

$$(71 f(x) + 34) (2 f(x) x^3 + 3 f(x) x^2 + 2 x^2 - f(x) + x + 1)$$

Sequence: A095342
Score: 7.81135
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 1, a(2) = 5\}$$

Sequence: A095343
Score: 11.7869
Type of gen. func.: lgdogf

$$-\frac{9 x^4 + 6 x^3 + 13 x^2 + 14 x + 1}{(x + 1) (3 x^2 + x - 1) (3 x^2 + x + 1)}$$

Sequence: A095343
Score: 12.2324
Type of gen. func.: ogf

$$-\frac{3x^2+x+1}{(x+1)(3x^2+x-1)}$$

Sequence: A095343
Score: 7.1881
Type of gen. func.: ogf

$$(187 f(x) + 114) (3 f(x) x^3 + 4 f(x) x^2 + 3 x^2 - f(x) + x + 1)$$

Sequence: A095343
Score: 7.41751
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 1, a(2) = 7\}$$

Sequence: A095344
Score: 10.9002
Type of gen. func.: lgdogf

$$-\frac{16x^4+8x^3+17x^2+18x+1}{(x+1)(4x^2+x+1)(4x^2+x-1)}$$

Sequence: A095344
Score: 13.3065
Type of gen. func.: ogf

$$-\frac{4x^2+x+1}{(x+1)(4x^2+x-1)}$$

Sequence: A095344
Score: 7.81925
Type of gen. func.: ogf

$$(389 f(x) + 268) (4 f(x) x^3 + 5 f(x) x^2 + 4 x^2 - f(x) + x + 1)$$

Sequence: A095344
Score: 8.06881
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 1, a(2) = 9\}$$

Sequence: A095364
Score: 7.84516
Type of gen. func.: lgdogf

$$-\frac{x (4 x^6 - 17 x^5 + 12 x^4 + 28 x^3 - 14 x^2 - 12 x + 6)}{(-1 + 2 x) (x + 1) (x^3 - 3 x^2 + 1) (x^3 - 2 x^2 - x + 1)}$$

Sequence: A095364
Score: 8.25584
Type of gen. func.: ogf

$$-\frac{x^3 - 2 x^2 - x + 1}{(-1 + 2 x) (x + 1) (x^3 - 3 x^2 + 1)}$$

Sequence: A095367
Score: 8.94561
Type of gen. func.: ogf

$$\frac{x^2 + x - 1}{(-1 + 2 x) (x + 1) (x^3 - 3 x^2 + 1)}$$

Sequence: A095367
Score: 9.33999
Type of gen. func.: lgdogf

$$-\frac{x (x - 2) (6 x^4 + 10 x^3 - 9 x^2 - 6 x + 4)}{(-1 + 2 x) (x + 1) (x^2 + x - 1) (x^3 - 3 x^2 + 1)}$$

Sequence: A095368
Score: 10.1912
Type of gen. func.: lgdogf

$$-\frac{x (x - 2) (8 x^3 - 9 x^2 - 6 x + 5)}{(x - 1) (-1 + 2 x) (x + 1) (x^3 - 3 x^2 + 1)}$$

Sequence: A095368
Score: 9.30661
Type of gen. func.: ogf

$$\frac{x - 1}{(-1 + 2 x) (x + 1) (x^3 - 3 x^2 + 1)}$$

Sequence: A095369
Score: 11.3677
Type of gen. func.: lgdogf

$$-\frac{10 x^4 - 20 x^3 - 12 x^2 + 10 x + 1}{(-1 + 2 x) (x + 1) (x^3 - 3 x^2 + 1)}$$

Sequence: A095369
Score: 11.8081
Type of gen. func.: ogf

$$-\frac{1}{(-1 + 2 x) (x + 1) (x^3 - 3 x^2 + 1)}$$

Sequence: A095372
Score: 4.48218
Type of gen. func.: ogf

$$-(8991 f(x) - 710) (100 f(x) x^2 - 101 f(x) x + f(x) + 10 x - 1)$$

Sequence: A095372
Score: 5.10041
Type of gen. func.: ogf

$$\{a(n+2) - 101\,a(n+1) + 100\,a(n),\ a(0) = 1,\ a(1) = 91\}$$

Sequence: A095372
Score: 8.66953
Type of gen. func.: revogf

$$-\frac{-1 - 101\,x + (9801\,x^{2} + 162\,x + 1)^{1/2}}{20\,(10\,x + 1)}$$

Sequence: A095372
Score: 8.87472
Type of gen. func.: ogf

$$-\frac{10\,x - 1}{(100\,x - 1)\,(x - 1)}$$

Sequence: A095372
Score: 9.63281
Type of gen. func.: lgdogf

$$-\frac{1000\,x^{2} - 200\,x + 91}{(x - 1)\,(100\,x - 1)\,(10\,x - 1)}$$

Sequence: A095661
Score: 11.1186
Type of gen. func.: ogf

$$\frac{2\,x - 3}{(x - 1)^{5}}$$

Sequence: A095661

Score: 32.2777
Type of gen. func.: lgdogf

$$-\frac{-13 + 8 x}{(x - 1) (2 x - 3)}$$

Sequence: A095661
Score: 5.12610
Type of gen. func.: ogf

{(3 n + 9) a(n + 3) + (-23 - 5 n) a(n + 2) + (10 + 2 n) a(n + 1), a(0) = 3,

a(1) = 13, a(2) = 35}

Sequence: A095662
Score: 28.2518
Type of gen. func.: lgdogf

$$-\frac{-19 + 12 x}{(x - 1) (2 x - 3)}$$

Sequence: A095662
Score: 4.67715
Type of gen. func.: ogf

{(3 n + 9) a(n + 3) + (-29 - 5 n) a(n + 2) + (14 + 2 n) a(n + 1), a(0) = 3,

a(1) = 19, a(2) = 70}

Sequence: A095662
Score: 8.09304
Type of gen. func.: ogf

$$\frac{2 x - 3}{(x - 1)^{7}}$$

Sequence: A095663
Score: 26.4153
Type of gen. func.: lgdogf

$$2 (-11 + 7 x)$$

```
                                - -----------------
                                  (x - 1) (2 x - 3)
```

Sequence: A095663
Score: 4.54892
Type of gen. func.: ogf

```
{(3 n + 9) a(n + 3) + (-32 - 5 n) a(n + 2) + (16 + 2 n) a(n + 1), a(0) = 3,

    a(1) = 22, a(2) = 92}
```

Sequence: A095663
Score: 7.14831
Type of gen. func.: ogf

```
                                       2 x - 3
                                     - --------
                                              8
                                       (x - 1)
```

Sequence: A095664
Score: 35.9801
Type of gen. func.: lgdogf

```
                                     -25 + 16 x
                                - -----------------
                                  (x - 1) (2 x - 3)
```

Sequence: A095664
Score: 5.89500
Type of gen. func.: ogf

```
{(3 n + 9) a(n + 3) + (-35 - 5 n) a(n + 2) + (18 + 2 n) a(n + 1), a(0) = 3,

    a(1) = 25, a(2) = 117}
```

Sequence: A095664
Score: 8.38280
Type of gen. func.: ogf

```
                                      2 x - 3
                                      --------
                                             9
                                      (x - 1)
```

Sequence: A095665
Score: 25.2478
Type of gen. func.: lgdogf

$$-\frac{2 (-14 + 9 x)}{(x - 1) (2 x - 3)}$$

Sequence: A095665
Score: 4.32111
Type of gen. func.: ogf

{(3 n + 9) a(n + 3) + (-38 - 5 n) a(n + 2) + (20 + 2 n) a(n + 1), a(0) = 3,

a(1) = 28, a(2) = 145}

Sequence: A095665
Score: 5.40139
Type of gen. func.: ogf

$$-\frac{2 x - 3}{(x - 1)^{10}}$$

Sequence: A095667
Score: 11.2225
Type of gen. func.: ogf

$$\frac{3 x - 4}{(x - 1)^{5}}$$

Sequence: A095667
Score: 31.2817
Type of gen. func.: lgdogf

$$-\frac{-17 + 12 x}{(x - 1) (3 x - 4)}$$

Sequence: A095667

```
Score: 5.14063
Type of gen. func.: ogf


{(4 n + 12) a(n + 3) + (-31 - 7 n) a(n + 2) + (15 + 3 n) a(n + 1), a(0) = 4,

    a(1) = 17, a(2) = 45}



------------------------------------------------------------------------------

Sequence:  A095668
Score: 29.8149
Type of gen. func.: lgdogf

                                  3 (-7 + 5 x)
                              - -----------------
                                (x - 1) (3 x - 4)



------------------------------------------------------------------------------

Sequence:  A095668
Score: 4.90133
Type of gen. func.: ogf


{(4 n + 12) a(n + 3) + (-35 - 7 n) a(n + 2) + (18 + 3 n) a(n + 1), a(0) = 4,

    a(1) = 21, a(2) = 66}



------------------------------------------------------------------------------

Sequence:  A095668
Score: 9.49632
Type of gen. func.: ogf

                                     3 x - 4
                                   - --------
                                            6
                                     (x - 1)



------------------------------------------------------------------------------

Sequence:  A095669
Score: 28.6714
Type of gen. func.: lgdogf

                                   -25 + 18 x
                              - -----------------
                                (x - 1) (3 x - 4)



------------------------------------------------------------------------------

Sequence:  A095669
Score: 4.71465
Type of gen. func.: ogf


{(4 n + 12) a(n + 3) + (-39 - 7 n) a(n + 2) + (21 + 3 n) a(n + 1), a(0) = 4,
    a(1) = 25, a(2) = 91}



--------------------------------------------------------------------------------

Sequence:  A095669
Score: 8.21091
Type of gen. func.: ogf

                                     3 x - 4
                                     --------
                                            7
                                     (x - 1)


--------------------------------------------------------------------------------

Sequence:  A095670
Score: 27.8840
Type of gen. func.: lgdogf

                                    -29 + 21 x
                               - -----------------
                                 (x - 1) (3 x - 4)


--------------------------------------------------------------------------------

Sequence:  A095670
Score: 4.55664
Type of gen. func.: ogf


{(4 n + 12) a(n + 3) + (-43 - 7 n) a(n + 2) + (24 + 3 n) a(n + 1), a(0) = 4,

    a(1) = 29, a(2) = 120}



--------------------------------------------------------------------------------

Sequence:  A095670
Score: 7.25343
Type of gen. func.: ogf

                                      3 x - 4
                                    - --------
                                             8
                                      (x - 1)


--------------------------------------------------------------------------------

Sequence:  A095671
Score: 25.7728
Type of gen. func.: lgdogf

                                   3 (-11 + 8 x)
                               - -----------------
                                 (x - 1) (3 x - 4)
```

Sequence: A095671
Score: 4.38181
Type of gen. func.: ogf

{(4 n + 12) a(n + 3) + (-47 - 7 n) a(n + 2) + (27 + 3 n) a(n + 1), a(0) = 4,

a(1) = 33, a(2) = 153}

Sequence: A095671
Score: 6.27121
Type of gen. func.: ogf

$$\frac{3 x - 4}{(x - 1)^9}$$

Sequence: A095681
Score: 10.6343
Type of gen. func.: lgdogf

$$- \frac{6 x^5 + 5 x^4 - 4 x^3 - 6 x^2 - 2 x + 3}{(x - 1) (x^2 + x - 1) (x^3 + x^2 + x - 1)}$$

Sequence: A095681
Score: 13.2383
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (x^2 + x - 1) (x^3 + x^2 + x - 1)}$$

Sequence: A095685
Score: 14.9135
Type of gen. func.: lgdogf

$$\frac{x^3 - 25 x^2 + 55 x - 15}{(x - 1) (x + 1) (x^2 - 10 x + 1)}$$

Sequence: A095685
Score: 4.47439
Type of gen. func.: ogf

$$\{-a(n+5) + 11\, a(n+4) - 11\, a(n+3) + a(n+2),\ a(0) = 1,\ a(1) = 15,\ a(2) = 160,\ a(3) = 1600,\ a(4) = 15856\}$$

Sequence: A095685
Score: 5.05801
Type of gen. func.: ogf

$$-(1991 f(x) + 234)\,(f(x)\, x^3 + x^4 - 11 f(x)\, x^2 + 4 x^3 + 11 f(x)\, x + 6 x^2 - f(x) + 4 x + 1)$$

Sequence: A095685
Score: 8.83551
Type of gen. func.: ogf

$$-\frac{(x+1)^4}{(x-1)(x^2 - 10 x + 1)}$$

Sequence: A095687
Score: 18.9775
Type of gen. func.: ogf

$$-\frac{10 x}{5 x - 1}$$

Sequence: A095687
Score: 25.4633
Type of gen. func.: revegf]

$$-1/5 \ln(2) + 1/5 \ln(x + 2)$$

Sequence: A095687
Score: 50.9265

Type of gen. func.: lgdogf

$$-\frac{5}{5x-1}$$

Sequence: A095687
Score: 7.90729
Type of gen. func.: ogf

$$\{-a(n+2)+5\,a(n+1),\ a(0)=0,\ a(1)=10\}$$

Sequence: A095687
Score: 9.48876
Type of gen. func.: ogf

$$-f(x)\,(5\,f(x)\,x-f(x)+10\,x)$$

Sequence: A095694
Score: 4.28911
Type of gen. func.: ogf

$$-\frac{2x^3-3x^2+15x+1}{(x-1)^7}$$

Sequence: A095694
Score: 9.02253
Type of gen. func.: lgdogf

$$-\frac{8x^3-9x^2+84x+22}{(x-1)\,(2x^3-3x^2+15x+1)}$$

Sequence: A095695
Score: 4.09674
Type of gen. func.: ogf

$$-\frac{11x^4-39x^3+51x^2+76x+6}{}$$

$$(x - 1)^{9}$$

Sequence: A095695
Score: 7.83873
Type of gen. func.: lgdogf

$$-\frac{5 (11 x^{4} - 38 x^{3} + 48 x^{2} + 142 x + 26)}{(x - 1) (11 x^{4} - 39 x^{3} + 51 x^{2} + 76 x + 6)}$$

Sequence: A095696
Score: 4.22591
Type of gen. func.: ogf

$$-\frac{878 x^{5} - 1705 x^{4} + 455 x^{3} + 715 x^{2} + 580 x + 22}{(x - 1)^{11}}$$

Sequence: A095696
Score: 7.36199
Type of gen. func.: lgdogf

$$-\frac{3 (1756 x^{5} - 2515 x^{4} - 1060 x^{3} + 2600 x^{2} + 2410 x + 274)}{(x - 1) (878 x^{5} - 1705 x^{4} + 455 x^{3} + 715 x^{2} + 580 x + 22)}$$

Sequence: A095698
Score: 10.5092
Type of gen. func.: lgdogf

$$-\frac{2 (6 x^{3} - 4 x - 1) (2 x^{3} + x^{2} - 1)}{(2 x^{2} - 1) (4 x^{3} + x^{2} - 2 x - 1) (3 x^{2} - 1)}$$

Sequence: A095698
Score: 11.2130
Type of gen. func.: ogf

$$-\frac{4 x^3 + x^2 - 2 x - 1}{(3 x^2 - 1) (2 x^2 - 1)}$$

Sequence: A095698
Score: 7.14555
Type of gen. func.: ogf

$$(3 f(x) + 22) (6 f(x) x^4 - 5 f(x) x^2 + 4 x^3 + x^2 + f(x) - 2 x - 1)$$

Sequence: A095722
Score: 3.77067
Type of gen. func.: ogf

$\{(-n - 2) a(n + 1) + (n + 11) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 9,$

$a(2) = 89\}$

Sequence: A095722
Score: 33.4319
Type of gen. func.: lgdegf]

$$-9 + x + (1 - x) f(x)$$

Sequence: A095740
Score: 3.85973
Type of gen. func.: ogf

$\{(-n - 2) a(n + 1) + (n + 12) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 10,$

$a(2) = 109\}$

Sequence: A095740
Score: 32.5819
Type of gen. func.: lgdegf]

$$-10 + x + (1 - x) f(x)$$

Sequence: A095752
Score: 3.26511
Type of gen. func.: ogf

$$-(230629148964 f(x) - 109288018795) (100 f(x) x^4 - 220 f(x) x^3 + 141 f(x) x^2 - 22 f(x) x + 10 x^2 + f(x) + 33 x - 7)$$

Sequence: A095752
Score: 6.86509
Type of gen. func.: ogf

$$- \frac{(2 x + 7) (5 x - 1)}{(10 x - 1)^2 (x - 1)^2}$$

Sequence: A095752
Score: 8.88379
Type of gen. func.: lgdogf

$$- \frac{200 x^3 + 990 x^2 - 663 x + 121}{(x - 1) (2 x + 7) (5 x - 1) (10 x - 1)}$$

Sequence: A095761
Score: 2.99318
Type of gen. func.: ogf

$$(608535390947 f(x) - 135161137400) (100 f(x) x^3 - 201 f(x) x^2 + 102 f(x) x - f(x) + 21 x + 1)$$

Sequence: A095761
Score: 3.18630
Type of gen. func.: ogf

$$\{a(n + 3) - 102 a(n + 2) + 201 a(n + 1) - 100 a(n), a(0) = 1, a(1) = 123, a(2) = 12345\}$$

Sequence: A095761

Score: 6.58502
Type of gen. func.: ogf

$$-\frac{21 x + 1}{(100 x - 1) (x - 1)^2}$$

Sequence: A095761
Score: 8.19492
Type of gen. func.: lgdogf

$$-\frac{3 (1400 x^2 + 93 x - 41)}{(x - 1) (21 x + 1) (100 x - 1)}$$

Sequence: A095764
Score: 12.8229
Type of gen. func.: ogf

$$\frac{88 x^2 + x + 11}{(x + 1) (x - 1)^2}$$

Sequence: A095764
Score: 15.2409
Type of gen. func.: lgdogf

$$-\frac{2 (44 x^3 + 45 x^2 + 105 x + 6)}{(x - 1) (x + 1) (88 x^2 + x + 11)}$$

Sequence: A095764
Score: 6.26235
Type of gen. func.: ogf

$(39046400 f(x) + 3641386889)$

$$(f(x) x^3 - f(x) x^2 - f(x) x - 88 x^2 + f(x) - x - 11)$$

Sequence: A095764
Score: 6.96416
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 11, a(1) = 12, a(2) = 111\}$$

Sequence: A095768
Score: 11.0400
Type of gen. func.: ogf

$$-\frac{4 x^2 - 6 x + 3}{(-1 + 2 x) (x - 1)^2}$$

Sequence: A095768
Score: 12.9379
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^3 - 8 x^2 + 8 x - 3)}{(x - 1) (-1 + 2 x) (4 x^2 - 6 x + 3)}$$

Sequence: A095768
Score: 5.70709
Type of gen. func.: ogf

$$-(65 f(x) - 112) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x + 4 x^2 - f(x) - 6 x + 3)$$

Sequence: A095768
Score: 5.95963
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 3, a(1) = 6, a(2) = 13\}$$

Sequence: A095776
Score: 20.8631
Type of gen. func.: lgdogf

$$3 (9 x^2 + 1)$$

$$-\frac{}{27 x^{3} + 9 x - 1}$$

Sequence: A095776
Score: 3.54851
Type of gen. func.: ogf

$$\{(-n - 4)\, a(n + 4) + (30 + 9 n)\, a(n + 3) + (54 + 27 n)\, a(n + 1),\ a(0) = 1,\ a(1) = 3,\ a(2) = 18,\ a(3) = 135\}$$

Sequence: A095776
Score: 9.31486
Type of gen. func.: ogf

$$-27 f(x)^{3} x^{3} - 9 f(x)^{3} x + f(x)^{3} - 1$$

Sequence: A095791
Score: 4.81052
Type of gen. func.: ogf

$$-(x^{41} + x^{38} + x^{36} + x^{34} - 2 x^{33} - x^{25} - 2 x^{20} - x^{17} - x^{15} - x^{13} - x^{12} - x^{7} - x^{4} - x^{2} - 1) \Big/ ((x - 1)(x^{34} - x^{13} - 1))$$

Sequence: A095794
Score: 13.5895
Type of gen. func.: ogf

$$\frac{x^{2} - 3 x - 1}{(x - 1)^{3}}$$

Sequence: A095794
Score: 26.2384
Type of gen. func.: lgdogf

$$x^{2} - 4 x - 6$$

$$-\frac{}{(x - 1) (x^2 - 3 x - 1)}$$

Sequence: A095794
Score: 7.14619
Type of gen. func.: ogf

$$(351 f(x) - 1271) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 3 x + 1)$$

Sequence: A095794
Score: 7.33591
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 6, a(2) = 14\}$$

Sequence: A095795
Score: 12.6261
Type of gen. func.: ogf

$$\frac{3 x^3 - 5 x^2 - 5 x - 2}{x^4 + x^2 - 1}$$

Sequence: A095795
Score: 7.59902
Type of gen. func.: ogf

$$-(12 f(x) + 139) (f(x) x^4 + f(x) x^2 - 3 x^3 + 5 x^2 - f(x) + 5 x + 2)$$

Sequence: A095796
Score: 12.6433
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 + 3 x^2 - 33 x - 13)}{(x - 1) (2 x^3 - 22 x - 1)}$$

Sequence: A095796
Score: 3.82578
Type of gen. func.: ogf

$$(1536779601 f(x) + 36048976379)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 2 x^3 - 4 f(x) x + f(x) - 22 x - 1)$$

Sequence: A095796
Score: 8.14346
Type of gen. func.: ogf

$$- \frac{2 x^3 - 22 x - 1}{(x - 1)^4}$$

Sequence: A095797
Score: 5.01915
Type of gen. func.: ogf

$$- (16 x^{14} - 6 x^{13} + 2 x^{12} + 24 x^{11} + 10 x^{10} - 7 x^9 + 5 x^8 - 2 x^7 - 10 x^6 - 7 x^5$$

$$- x^3 - x^2 - x - 1) \Big/ (12 x^{16} + 30 x^{12} - 24 x^8 - 4 x^4 + 1)$$

Sequence: A095807
Score: 3.95279
Type of gen. func.: ogf

$$(10729 f(x) - 7390)$$

$$(90 f(x) x^3 - 109 f(x) x^2 + 20 f(x) x + 90 x^2 - f(x) - 10 x + 1)$$

Sequence: A095807
Score: 4.11887
Type of gen. func.: ogf

$$\{a(n + 3) - 20 a(n + 2) + 109 a(n + 1) - 90 a(n), a(0) = 1, a(1) = 10,$$

$$a(2) = 181\}$$

Sequence: A095807
Score: 6.38417
Type of gen. func.: lgdogf

$$-\frac{2\,(4050\,x^{4}-900\,x^{3}-220\,x^{2}-19\,x+5)}{(x-1)\,(9\,x-1)\,(10\,x-1)\,(90\,x^{2}-10\,x+1)}$$

Sequence: A095807
Score: 7.31560
Type of gen. func.: ogf

$$-\frac{90\,x^{2}-10\,x+1}{(x-1)\,(9\,x-1)\,(10\,x-1)}$$

Sequence: A095810
Score: 6.13512
Type of gen. func.: ogf

$$(4\,x^{26}+12\,x^{25}+4\,x^{24}+2\,x^{8}+6\,x^{7}+2\,x^{6}+3\,x^{5}+x^{4}+2\,x^{3}+2\,x^{2}+x+1)\Big/\left((x+1)\,(x^{2}+1)\,(x-1)^{2}\right)$$

Sequence: A095813
Score: 9.84060
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{6}-2\,x^{4}+2\,x^{2}+1}{x^{8}+x^{6}+x^{4}+x^{2}+1}$$

Sequence: A095819
Score: 26.5243
Type of gen. func.: lgdogf

$$-\frac{-37+27\,x}{(x-1)\,(3\,x-4)}$$

Sequence: A095819
Score: 4.33613
Type of gen. func.: ogf

$\{(4 n + 12) a(n + 3) + (-51 - 7 n) a(n + 2) + (30 + 3 n) a(n + 1), a(0) = 4, a(1) = 37, a(2) = 190\}$

Sequence: A095819
Score: 5.45514
Type of gen. func.: ogf

$$- \frac{3 x - 4}{(x - 1)^{10}}$$

Sequence: A095839
Score: 11.614
Type of gen. func.: egf]

$$-2 f(x)^2 x - f(x)^2 + 4 f(x) - 3$$

Sequence: A095839
Score: 14.9336
Type of gen. func.: lgdegf]

$$- \frac{-1 + 6 x + 2 (1 - 6 x)^{1/2}}{(2 x + 1) (6 x - 1)}$$

Sequence: A095875
Score: 12.1344
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^3 + 3 x^2 + x + 4}{-x^3 - x^2 - x - 1}$$

Sequence: A095889
Score: 3.86279
Type of gen. func.: ogf

$$-\frac{2\,(80\,x^5 - 87\,x^4 - 36\,x^3 + 82\,x^2 - 36\,x + 5)}{(-1 + 2\,x)^3\,(3\,x - 1)^4\,(x - 1)^4}$$

Sequence: A095894
Score: 15.2657
Type of gen. func.: ogf

$$-\frac{5\,x + 1}{(x + 1)\,(x - 1)^3}$$

Sequence: A095894
Score: 22.0443
Type of gen. func.: lgdogf

$$-\frac{15\,x^2 + 14\,x + 7}{(x - 1)\,(5\,x + 1)\,(x + 1)}$$

Sequence: A095894
Score: 4.04540
Type of gen. func.: ogf

$\{(-n - 4)\,a(n + 4) + (-8 - 5\,n)\,a(n + 3) + (16 + n)\,a(n + 2)$

$+ (20 + 5\,n)\,a(n + 1),\ a(0) = 1,\ a(1) = 7,\ a(2) = 14,\ a(3) = 26\}$

Sequence: A095894
Score: 7.0972
Type of gen. func.: ogf

$$(268920\,f(x) - 1678123)\,(f(x)\,x^4 - 2\,f(x)\,x^3 + 2\,f(x)\,x - f(x) + 5\,x + 1)$$

Sequence: A095897

Score: 4.3095
Type of gen. func.: ogf

$$-\frac{9037 f(x) - 5349}{96 f(x) x^4 + 32 f(x) x^3 - 20 f(x) x^2 - 4 f(x) x + 4 x^2 + f(x) - 4 x - 1}$$

Sequence: A095897
Score: 8.33014
Type of gen. func.: lgdogf

$$-\frac{8 (96 x^5 - 128 x^4 - 80 x^3 + 4 x + 1)}{(6 x - 1) (2 x + 1) (4 x^2 - 4 x - 1) (8 x^2 - 1)}$$

Sequence: A095897
Score: 8.49929
Type of gen. func.: ogf

$$-\frac{4 x^2 - 4 x - 1}{(6 x - 1) (2 x + 1) (8 x^2 - 1)}$$

Sequence: A095898
Score: 12.5427
Type of gen. func.: revogf

$$\frac{-1 - 24 x + (580 x^2 + 60 x + 1)^{1/2}}{2 (x + 3)}$$

Sequence: A095898
Score: 14.6331
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 2 x + 27}{(3 x + 1) (x^2 + 24 x - 1)}$$

Sequence: A095898
Score: 15.2687
Type of gen. func.: ogf

$$-\frac{3x+1}{x^2+24x-1}$$

Sequence: A095898
Score: 7.89169
Type of gen. func.: ogf

$$(650 f(x) + 79) (f(x) x^2 + 24 f(x) x - f(x) + 3 x + 1)$$

Sequence: A095898
Score: 8.36143
Type of gen. func.: ogf

$$\{a(n + 2) - 24 a(n + 1) - a(n), a(0) = 1, a(1) = 27\}$$

Sequence: A095905
Score: 11.7548
Type of gen. func.: ogf

$$-\frac{6x+1}{18x^2+15x-1}$$

Sequence: A095905
Score: 12.0254
Type of gen. func.: revogf

$$\frac{-1 - 15 x + (297 x^2 + 54 x + 1)^{1/2}}{12 (3 x + 1)}$$

Sequence: A095905
Score: 12.8844
Type of gen. func.: lgdogf

$$-\frac{3\,(36\,x^2+12\,x+7)}{(6\,x+1)\,(18\,x^2+15\,x-1)}$$

Sequence: A095905
Score: 6.2076
Type of gen. func.: ogf

$$(39\,f(x)+10)\,(18\,f(x)\,x^2+15\,f(x)\,x-f(x)+6\,x+1)$$

Sequence: A095905
Score: 6.49972
Type of gen. func.: ogf

$$\{a(n+2)-15\,a(n+1)-18\,a(n),\ a(0)=1,\ a(1)=21\}$$

Sequence: A095915
Score: 11.3775
Type of gen. func.: lgdogf

$$\frac{2\,(5\,x^6-10\,x^5+11\,x^4-16\,x^3-7\,x^2-2\,x-1)}{(x-1)\,(x^2+1)\,(10\,x^4+5\,x^3+3\,x^2+x+1)}$$

Sequence: A095915
Score: 12.1888
Type of gen. func.: ogf

$$-\frac{10\,x^4+5\,x^3+3\,x^2+x+1}{(x-1)\,(x^2+1)}$$

Sequence: A095915
Score: 6.55674
Type of gen. func.: ogf

$$\{-a(n+5)+a(n+4)-a(n+3)+a(n+2),\ a(0)=1,\ a(1)=2,\ a(2)=4,$$
$$a(3)=8,\ a(4)=16\}$$

Sequence: A095915
Score: 7.66716
Type of gen. func.: ogf

$$-f(x)\,(f(x)\,x^3 + 10\,x^4 - f(x)\,x^2 + 5\,x^3 + f(x)\,x + 3\,x^2 - f(x) + x + 1)$$

Sequence: A095929
Score: 11.6135
Type of gen. func.: ogf

$$-\frac{5\,x^2 - 5\,x + 1}{(4\,x - 1)\,(x^2 - 3\,x + 1)}$$

Sequence: A095929
Score: 6.20724
Type of gen. func.: ogf

$$-(f(x) - 1)\,(4\,f(x)\,x^3 - 13\,f(x)\,x^2 + 7\,f(x)\,x + 5\,x^2 - f(x) - 5\,x + 1)$$

Sequence: A095929
Score: 6.37204
Type of gen. func.: ogf

{-a(n + 3) + 7 a(n + 2) - 13 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 2, a(2) = 6}

Sequence: A095929
Score: 9.09411
Type of gen. func.: lgdogf

$$-\frac{2\,(10\,x^4 - 20\,x^3 + 21\,x^2 - 8\,x + 1)}{(4\,x - 1)\,(x^2 - 3\,x + 1)\,(5\,x^2 - 5\,x + 1)}$$

Sequence: A095930

Score: 11.0948
Type of gen. func.: lgdogf

$$-\frac{24x^3 - 51x^2 + 26x - 4}{(4x-1)(3x-1)(x^2-3x+1)}$$

Sequence: A095930
Score: 14.1788
Type of gen. func.: ogf

$$\frac{3x-1}{(4x-1)(x^2-3x+1)}$$

Sequence: A095930
Score: 6.71626
Type of gen. func.: ogf

$$\{a(n+3) - 7a(n+2) + 13a(n+1) - 4a(n), a(0) = 1, a(1) = 4, a(2) = 15\}$$

Sequence: A095930
Score: 7.22314
Type of gen. func.: ogf

$$(205 f(x) + 8)(4 f(x) x^3 - 13 f(x) x^2 + 7 f(x) x - f(x) - 3x + 1)$$

Sequence: A095931
Score: 15.0485
Type of gen. func.: ogf

$$-\frac{1}{(4x-1)(x^2-3x+1)}$$

Sequence: A095931
Score: 15.5411
Type of gen. func.: lgdogf

2

$$-\frac{12 x - 26 x + 7}{(x^2 - 3 x + 1) (4 x - 1)}$$

Sequence: A095931
Score: 5.01616
Type of gen. func.: ogf

{a(n + 3) - 7 a(n + 2) + 13 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 7, a(2) = 36}

Sequence: A095931
Score: 6.91462
Type of gen. func.: ogf

$$(163021 f(x) - 7216) (4 f(x) x^3 - 13 f(x) x^2 + 7 f(x) x - f(x) + 1)$$

Sequence: A095932
Score: 11.5169
Type of gen. func.: lgdogf

$$-\frac{16 x^3 - 38 x^2 + 26 x - 5}{(4 x - 1) (-1 + 2 x) (x^2 - 3 x + 1)}$$

Sequence: A095932
Score: 13.5312
Type of gen. func.: ogf

$$\frac{-1 + 2 x}{(4 x - 1) (x^2 - 3 x + 1)}$$

Sequence: A095932
Score: 6.40953
Type of gen. func.: ogf

{-a(n + 3) + 7 a(n + 2) - 13 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 5, a(2) = 22}

Sequence: A095932
Score: 6.46624
Type of gen. func.: ogf

$$-(2253 f(x) + 160) (4 f(x) x^3 - 13 f(x) x^2 + 7 f(x) x - f(x) - 2 x + 1)$$

Sequence: A095933
Score: 14.2041
Type of gen. func.: ogf

$$-\frac{2}{(4 x - 1) (x^2 - 3 x + 1)}$$

Sequence: A095933
Score: 16.2280
Type of gen. func.: lgdogf

$$-\frac{12 x^2 - 26 x + 7}{(x^2 - 3 x + 1) (4 x - 1)}$$

Sequence: A095933
Score: 5.18757
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 13 a(n + 1) - 4 a(n), a(0) = 2, a(1) = 14, a(2) = 72\}$$

Sequence: A095933
Score: 5.47313
Type of gen. func.: ogf

$$(163021 f(x) - 14432) (4 f(x) x^3 - 13 f(x) x^2 + 7 f(x) x - f(x) + 2)$$

Sequence: A095934
Score: 13.8473
Type of gen. func.: ogf

2

$$\frac{x - 1}{3 x^2 - 5 x + 1}$$

Sequence: A095934
Score: 28.8412
Type of gen. func.: lgdogf

$$\frac{x - 3}{(x - 1) (3 x^2 - 5 x + 1)}$$

Sequence: A095934
Score: 7.12529
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 13\}$$

Sequence: A095934
Score: 7.80749
Type of gen. func.: ogf

$$(-2 + 11 f(x)) (3 f(x) x^2 - 5 f(x) x - x^2 + f(x) + 2 x - 1)$$

Sequence: A095939
Score: 11.2996
Type of gen. func.: ogf

$$\frac{(-1 + 2 x) (x - 1)}{3 x^2 - 5 x + 1}$$

Sequence: A095939
Score: 14.3009
Type of gen. func.: lgdogf

$$- \frac{x^2 + 2 x - 2}{(x - 1) (-1 + 2 x) (3 x^2 - 5 x + 1)}$$

Sequence: A095939
Score: 5.87136
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 9\}$$

Sequence: A095939
Score: 6.43956
Type of gen. func.: ogf

$$(-1 + 2 f(x)) (3 f(x) x^2 - 5 f(x) x - 2 x^2 + f(x) + 3 x - 1)$$

Sequence: A095940
Score: 12.9068
Type of gen. func.: ogf

$$-\frac{x (x - 1)}{3 x^2 - 5 x + 1}$$

Sequence: A095940
Score: 14.8309
Type of gen. func.: revogf

$$-\frac{-1 - 5 x + (13 x^2 + 6 x + 1)^{1/2}}{2 (3 x + 1)}$$

Sequence: A095940
Score: 18.3205
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 6 x + 4}{(x - 1) (3 x^2 - 5 x + 1)}$$

Sequence: A095940

Score: 6.26170
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 3 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 4\}$$

Sequence: A095940
Score: 7.80781
Type of gen. func.: ogf

$$f(x) (3 f(x) x^2 - 5 f(x) x + x^2 + f(x) - x)$$

Sequence: A095944
Score: 17.3851
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^2 - 3}{-x^2 + 1}$$

Sequence: A095946
Score: 5.93558
Type of gen. func.: ogf

$$-\frac{80117 x^4 - 321048 x^3 + 482602 x^2 - 322036 x + 80557}{(x - 1)^5}$$

Sequence: A095946
Score: 6.60509
Type of gen. func.: lgdogf

$$-\frac{80117 x^4 - 321628 x^3 + 484662 x^2 - 322940 x + 80749}{(x - 1) (80117 x^4 - 321048 x^3 + 482602 x^2 - 322036 x + 80557)}$$

Sequence: A095974
Score: 4.93117
Type of gen. func.: ogf

$$-\frac{316781 x^4 - 1208862 x^3 + 1733458 x^2 - 1106836 x + 265483}{(x - 1)^5}$$

Sequence: A095974
Score: 5.39876
Type of gen. func.: lgdogf

$$-\frac{316781 x^4 - 1150600 x^3 + 1573788 x^2 - 960428 x + 220579}{(x - 1) (316781 x^4 - 1208862 x^3 + 1733458 x^2 - 1106836 x + 265483)}$$

Sequence: A095977
Score: 13.6754
Type of gen. func.: ogf

$$\frac{2}{(-1 + 2 x)^2 (x + 1)^2}$$

Sequence: A095977
Score: 27.3593
Type of gen. func.: lgdogf

$$-\frac{2 (4 x + 1)}{(x + 1) (-1 + 2 x)}$$

Sequence: A095977
Score: 4.40851
Type of gen. func.: ogf

$\{(n + 3) a(n + 3) + (-n - 4) a(n + 2) + (-10 - 2 n) a(n + 1), a(0) = 2,$

$a(1) = 4, a(2) = 14\}$

Sequence: A095977
Score: 5.4479
Type of gen. func.: ogf

$$-(41 f(x) + 40) (4 f(x) x^4 + 4 f(x) x^3 - 3 f(x) x^2 - 2 f(x) x + f(x) - 2)$$

Sequence: A095980
Score: 6.65525
Type of gen. func.: ogf

$$-f(x)^2 x^4 + f(x)^2 x^3 - f(x)^2 x^2 - f(x) x^3 - f(x) x + f(x) - 1$$

Sequence: A095981
Score: 6.07552
Type of gen. func.: ogf

$$-f(x)^2 x^3 + f(x)^2 x^2 - f(x) x^3 + f(x) x^2 + 2 f(x) x + x^2 - f(x)$$

Sequence: A095982
Score: 11.5040
Type of gen. func.: ogf

$$-\frac{x^2 + x + 2}{(x + 1) (x^3 - x^2 + 2 x - 1)}$$

Sequence: A095982
Score: 11.8559
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 3 x^4 + 8 x^3 + 6 x + 3}{(x + 1) (x^2 + x + 2) (x^3 - x^2 + 2 x - 1)}$$

Sequence: A095982
Score: 5.89702
Type of gen. func.: ogf

$$-(113 f(x) + 269) (f(x) x^4 + f(x) x^2 + f(x) x + x^2 - f(x) + x + 2)$$

Sequence: A096000
Score: 12.2964
Type of gen. func.: ogf

$$\frac{3 x^2 + 6 x + 1}{(x - 1)^4}$$

Sequence: A096000
Score: 21.6792
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^2 + 12 x + 5)}{(x - 1) (3 x^2 + 6 x + 1)}$$

Sequence: A096000
Score: 4.24226
Type of gen. func.: ogf

{(n + 4) a(n + 4) + (5 + 5 n) a(n + 3) + (-30 - 3 n) a(n + 2)

+ (-9 - 3 n) a(n + 1), a(0) = 1, a(1) = 10, a(2) = 37, a(3) = 92}

Sequence: A096000
Score: 6.06036
Type of gen. func.: ogf

(463000 f(x) + 2104337)

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 3 x^2 + f(x) - 6 x - 1)$$

Sequence: A096019
Score: 14.9873
Type of gen. func.: ogf

$$- \frac{x + 3}{(x + 1) (3 x - 1)}$$

Sequence: A096019
Score: 15.7475
Type of gen. func.: revogf

$$\frac{-2 x - 3 + (16 x^{2} + 16 x + 9)^{1/2}}{2 (3 x + 1)}$$

Sequence: A096019
Score: 18.8970
Type of gen. func.: lgdogf

$$- \frac{3 x^{2} + 18 x + 7}{(3 x - 1) (x + 3) (x + 1)}$$

Sequence: A096019
Score: 7.41127
Type of gen. func.: ogf

$$-(32 f(x) - 47) (3 f(x) x^{2} + 2 f(x) x - f(x) + x + 3)$$

Sequence: A096019
Score: 8.22472
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 3 a(n), a(0) = 3, a(1) = 7\}$$

Sequence: A096022
Score: 10.1953
Type of gen. func.: ogf

$$\frac{3 (3 x^{4} + 4 x^{3} + 4 x^{2} + 4 x + 5)}{(x + 1) (x^{2} + 1) (x - 1)^{2}}$$

Sequence: A096022
Score: 8.43687
Type of gen. func.: lgdogf

$$-\frac{3x^7+11x^6+19x^5+27x^4+49x^3+25x^2+17x+9}{(x-1)(x+1)(x^2+1)(3x^4+4x^3+4x^2+4x+5)}$$

Sequence: A096023
Score: 8.10819
Type of gen. func.: ogf

$$\frac{3(19x^6+20x^5+20x^4+20x^3+20x^2+20x+21)}{(x+1)(x^2+x+1)(x^2-x+1)(x-1)^2}$$

Sequence: A096024
Score: 15.0654
Type of gen. func.: ogf

$$\frac{3(139x+141)}{(x-1)^2}$$

Sequence: A096024
Score: 15.7363
Type of gen. func.: revogf

$$-\frac{-423-2x+(178929+3360x)^{1/2}}{2(-417+x)}$$

Sequence: A096024
Score: 24.1290
Type of gen. func.: lgdogf

$$-\frac{421+139x}{(139x+141)(x-1)}$$

Sequence: A096024
Score: 7.68963
Type of gen. func.: ogf

$$(560 f(x) + 294843) (f(x) x^2 - 2 f(x) x + f(x) - 417 x - 423)$$

Sequence: A096024
Score: 8.48511
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 423, a(1) = 1263\}$$

Sequence: A096025
Score: 10.8252
Type of gen. func.: ogf

$$\frac{3 (279 x^2 + 280 x + 281)}{(x + 1) (x - 1)^2}$$

Sequence: A096025
Score: 11.6569
Type of gen. func.: lgdogf

$$-\frac{279 x^3 + 839 x^2 + 1681 x + 561}{(x - 1) (x + 1) (279 x^2 + 280 x + 281)}$$

Sequence: A096025
Score: 5.53657
Type of gen. func.: ogf

$$-(280 f(x) + 791920081)$$

$$(f(x) x^3 - f(x) x^2 - f(x) x - 837 x^2 + f(x) - 840 x - 843)$$

Sequence: A096025
Score: 6.04409
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 843, a(1) = 1683, a(2) = 3363\}$$

Sequence: A096026
Score: 4.46818
Type of gen. func.: ogf

$$3 \left(839 x^{10} + 840 x^{9} + 840 x^{8} + 840 x^{7} + 840 x^{6} + 840 x^{5} + 840 x^{4} + 840 x^{3} + 840 x^{2} + 840 x + 841\right) \Big/ \left((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}\right)$$

Sequence: A096045
Score: 14.0052
Type of gen. func.: ogf

$$\frac{5 x + 1}{(4 x - 1) (x - 1)}$$

Sequence: A096045
Score: 14.3649
Type of gen. func.: revogf

$$- \frac{-1 - 5 x + (9 x^{2} + 30 x + 1)^{1/2}}{2 (-5 + 4 x)}$$

Sequence: A096045
Score: 15.4423
Type of gen. func.: lgdogf

$$- \frac{2 (10 x^{2} + 4 x - 5)}{(x - 1) (5 x + 1) (4 x - 1)}$$

Sequence: A096045
Score: 7.24407
Type of gen. func.: ogf

$$(21 f(x) + 29) (4 f(x) x^{2} - 5 f(x) x + f(x) - 5 x - 1)$$

Sequence: A096045
Score: 7.59317
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A096046
Score: 12.7379
Type of gen. func.: ogf

$$\frac{5 x + 1}{(9 x - 1) (x - 1)}$$

Sequence: A096046
Score: 12.7592
Type of gen. func.: revogf

$$- \frac{-1 - 10 x + (64 x^2 + 40 x + 1)^{1/2}}{2 (-5 + 9 x)}$$

Sequence: A096046
Score: 14.3541
Type of gen. func.: lgdogf

$$- \frac{3 (15 x^2 + 6 x - 5)}{(x - 1) (5 x + 1) (9 x - 1)}$$

Sequence: A096046
Score: 6.36895
Type of gen. func.: ogf

$$(1984 f(x) + 3641) (9 f(x) x^2 - 10 f(x) x + f(x) - 5 x - 1)$$

Sequence: A096046
Score: 6.97552
Type of gen. func.: ogf

$\{-a(n + 2) + 10 a(n + 1) - 9 a(n), a(0) = 1, a(1) = 15\}$

Sequence: A096047
Score: 4.50527
Type of gen. func.: ogf

$$(55895 f(x) + 7264) (64 f(x) x^3 - 84 f(x) x^2 + 21 f(x) x - 32 x^2 - f(x) + x + 1)$$

Sequence: A096047
Score: 4.65799
Type of gen. func.: ogf

$\{a(n + 3) - 21 a(n + 2) + 84 a(n + 1) - 64 a(n), a(0) = 1, a(1) = 22,$
$a(2) = 346\}$

Sequence: A096047
Score: 7.27446
Type of gen. func.: lgdogf

$$- \frac{2 (1024 x^4 - 64 x^3 - 390 x^2 + 116 x - 11)}{(x - 1) (4 x - 1) (16 x - 1) (32 x^2 - x - 1)}$$

Sequence: A096047
Score: 8.45605
Type of gen. func.: ogf

$$\frac{32 x^2 - x - 1}{(x - 1) (4 x - 1) (16 x - 1)}$$

Sequence: A096048
Score: 3.00894
Type of gen. func.: ogf

$$-(490920192 f(x) + 1300268729) (1296 f(x) x^4 - 1800 f(x) x^3 + 553 f(x) x^2$$

$$- 612 x^3 - 50 f(x) x + 101 x^2 + f(x) + 8 x - 1)$$

Sequence: A096048
Score: 5.71700
Type of gen. func.: ogf

$$\frac{612 x^3 - 101 x^2 - 8 x + 1}{(x - 1) (4 x - 1) (36 x - 1) (9 x - 1)}$$

Sequence: A096053
Score: 12.6099
Type of gen. func.: ogf

$$\frac{3 x + 1}{(9 x - 1) (x - 1)}$$

Sequence: A096053
Score: 12.6284
Type of gen. func.: revogf

$$- \frac{-1 - 10 x + (64 x^2 + 32 x + 1)^{1/2}}{6 (3 x - 1)}$$

Sequence: A096053
Score: 14.2069
Type of gen. func.: lgdogf

$$- \frac{27 x^2 + 18 x - 13}{(x - 1) (3 x + 1) (9 x - 1)}$$

Sequence: A096053
Score: 6.51747
Type of gen. func.: ogf

$$(112 f(x) + 57) (9 f(x) x^2 - 10 f(x) x + f(x) - 3 x - 1)$$

Sequence: A096053
Score: 6.90542
Type of gen. func.: ogf

$$\{-a(n+2)+10\,a(n+1)-9\,a(n),\ a(0)=1,\ a(1)=13\}$$

Sequence: A096054
Score: 3.15939
Type of gen. func.: ogf

$$(1425645000\,f(x)-398400929)\,(1296\,f(x)\,x^4-1800\,f(x)\,x^3+553\,f(x)\,x^2+216\,x^3-50\,f(x)\,x+246\,x^2+f(x)-41\,x-1)$$

Sequence: A096054
Score: 5.83273
Type of gen. func.: ogf

$$-\frac{(6x-1)\,(36x^2+47x+1)}{(x-1)\,(4x-1)\,(36x-1)\,(9x-1)}$$

Sequence: A096084
Score: 4.46755
Type of gen. func.: ogf

$$-\frac{74x^3+4508x^2-1065x+13}{(-1+2x)\,(37x^3+3984x^2-153x+1)}$$

Sequence: A096086
Score: 3.35960
Type of gen. func.: ogf

$$\{a(n+3)-153\,a(n+2)+3984\,a(n+1)+37\,a(n),\ a(0)=3,\ a(1)=825,\ a(2)=114236\}$$

Sequence: A096086
Score: 4.24371
Type of gen. func.: ogf

$$-(7181521786241427132471 f(x) + 78940057196799678286)$$

$$(37 f(x) x^3 + 3984 f(x) x^2 - 153 f(x) x + 37 x^2 + f(x) - 366 x - 3)$$

Sequence: A096086
Score: 5.99929
Type of gen. func.: ogf

$$-\frac{37 x^2 - 366 x - 3}{37 x^3 + 3984 x^2 - 153 x + 1}$$

Sequence: A096100
Score: 4.21039
Type of gen. func.: egf]

$$-(f(x) x - 2 f(x) + 3 x + 2)^3$$

Sequence: A096129
Score: 12.0304
Type of gen. func.: lgdogf

$$-\frac{x^4 + 12 x^3 + 126 x^2 + 92 x + 9}{(x - 1) (x^4 + 4 x^3 + 38 x^2 + 4 x + 1)}$$

Sequence: A096129
Score: 7.53935
Type of gen. func.: ogf

$$-\frac{x^4 + 4 x^3 + 38 x^2 + 4 x + 1}{(x - 1)^5}$$

Sequence: A096140
Score: 10.8852
Type of gen. func.: lgdogf

$$-\frac{(-1+2x)(x^2-x+3)(x^2-x-1)}{(x^2-3x+1)(x^2-x+1)(x^2+x-1)}$$

Sequence: A096140
Score: 4.94857
Type of gen. func.: ogf

$$(33 f(x) - 8) (f(x) x^4 - 2 f(x) x^3 - 3 f(x) x^2 + x^3 + 4 f(x) x - x^2 - f(x) + x)$$

Sequence: A096140
Score: 9.08367
Type of gen. func.: ogf

$$-\frac{x(x^2-x+1)}{(x^2-3x+1)(x^2+x-1)}$$

Sequence: A096166
Score: 6.51002
Type of gen. func.: lgdogf

$$\frac{1860 x^{13} + 339 x^{12} - 2418 x^{11} + 105 x^{10} - 68 x^9 + 40 x^8 - 344 x^7 - 10}{(x-1)(155 x^{13} + 214 x^{12} + 15 x^{11} + 30 x^{10} + 29 x^9 + 43 x^8 + x + 9)}$$

Sequence: A096166
Score: 8.55369
Type of gen. func.: ogf

$$-\frac{155 x^{13} + 214 x^{12} + 15 x^{11} + 30 x^{10} + 29 x^9 + 43 x^8 + x + 9}{x-1}$$

Sequence: A096200
Score: 10.2023
Type of gen. func.: ogf

$$-\frac{x^3\,(5\,x+7)}{(x-1)^5}$$

Sequence: A096200
Score: 34.8835
Type of gen. func.: lgdogf

$$-\frac{20\,(x+2)}{(5\,x+7)\,(x-1)}$$

Sequence: A096200
Score: 5.26786
Type of gen. func.: ogf

{7 n a(n + 3) + (-38 - 2 n) a(n + 2) + (-10 - 5 n) a(n + 1), a(0) = 0, a(1) = 0,

a(2) = 0, a(3) = 7}

Sequence: A096222
Score: 5.32255
Type of gen. func.: ogf

$$-(7\,f(x)+47)$$

$$(64\,f(x)\,x^4 - 48\,f(x)\,x^3 + 24\,x^3 + 6\,f(x)\,x - 9\,x^2 - f(x) - 3\,x + 1)$$

Sequence: A096222
Score: 5.32256
Type of gen. func.: ogf

{-a(n + 4) + 6 a(n + 3) - 48 a(n + 1) + 64 a(n), a(0) = 1, a(1) = 3, a(2) = 9,

a(3) = 30}

Sequence: A096222
Score: 6.83597

Type of gen. func.: lgdogf

$$-\frac{1536 x^6 - 1152 x^5 - 144 x^4 + 256 x^3 - 18 x^2 - 18 x + 3}{(-1 + 2 x) (4 x - 1) (8 x^2 - 1) (24 x^3 - 9 x^2 - 3 x + 1)}$$

Sequence: A096222
Score: 9.38840
Type of gen. func.: ogf

$$-\frac{24 x^3 - 9 x^2 - 3 x + 1}{(4 x - 1) (-1 + 2 x) (8 x^2 - 1)}$$

Sequence: A096229
Score: 5.62248
Type of gen. func.: ogf

$$-\frac{2 x (15 x^9 - x^8 - 2 x^7 - 3 x^6 - 4 x^5 + 85 x^4 + x^3 + 2 x^2 + 3 x + 4)}{(x^4 + x^3 + x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A096230
Score: 15.2507
Type of gen. func.: ogf

$$-\frac{x^4 + 3 x^3 + 5 x^2 + 7 x + 9}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A096230
Score: 9.72678
Type of gen. func.: lgdogf

$$-\frac{x^8 + 6 x^7 + 15 x^6 + 28 x^5 + 45 x^4 + 4 x^3 + 9 x^2 + 10 x + 7}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (x^4 + 3 x^3 + 5 x^2 + 7 x + 9)}$$

Sequence: A096231
Score: 11.0550
Type of gen. func.: ogf

$$-\frac{(x^2 + x + 1)\,(x + 1)^2}{x^3 + x^2 - 1}$$

Sequence: A096231
Score: 14.1390
Type of gen. func.: lgdogf

$$\frac{x^5 + x^4 - 2\,x^3 - 8\,x^2 - 7\,x - 3}{(x + 1)\,(x^2 + x + 1)\,(x^3 + x^2 - 1)}$$

Sequence: A096231
Score: 6.40486
Type of gen. func.: ogf

$$\{a(n + 5) - a(n + 3) - a(n + 2),\ a(0) = 1,\ a(1) = 3,\ a(2) = 5,\ a(3) = 7,\ a(4) = 9\}$$

Sequence: A096231
Score: 7.40378
Type of gen. func.: ogf

$$(2\,f(x) + 1)\,(f(x)\,x^3 + x^4 + f(x)\,x^2 + 3\,x^3 + 4\,x^2 - f(x) + 3\,x + 1)$$

Sequence: A096252
Score: 6.27913
Type of gen. func.: ogf

$$(3\,f(x) - 25)\,(16\,f(x)\,x^4 - 4\,f(x)\,x^2 + 16\,x^3 + 8\,x^2 + f(x) + 4\,x - 4)$$

Sequence: A096252
Score: 9.74672

Type of gen. func.: ogf

$$-\frac{4\,(4\,x^{3}+2\,x^{2}+x-1)}{16\,x^{4}-4\,x^{2}+1}$$

Sequence: A096261
Score: 3.98726
Type of gen. func.: ogf

$$-(9\,x^{10}+10\,x^{9}-7\,x^{8}-8\,x^{7}-1)\Big/\left(91\,x^{10}-10\,x^{9}-70\,x^{8}+4\,x^{7}+5\,x^{6}-6\,x^{5}+7\,x^{4}-8\,x^{3}+9\,x^{2}-10\,x+1\right)$$

Sequence: A096261
Score: 6.04385
Type of gen. func.: ogf

$$(-1+51\,f(x))\,(10\,f(x)\,x^{2}+8\,f(x)\,x+x^{2}-f(x)+2\,x+1)^{2}$$

Sequence: A096284
Score: 8.97322
Type of gen. func.: ogf

$$-\frac{2\,x^{4}-x^{3}+2\,x^{2}-x+2}{(x-1)\,(x^{2}+x+1)\,(x^{2}-x+1)}$$

Sequence: A096284
Score: 9.27802
Type of gen. func.: lgdogf

$$-\frac{2\,x^{8}-2\,x^{7}+5\,x^{6}-4\,x^{5}+8\,x^{4}+2\,x^{2}+1}{(x-1)\,(x^{2}+x+1)\,(x^{2}-x+1)\,(2\,x^{4}-x^{3}+2\,x^{2}-x+2)}$$

Sequence: A096285
Score: 10.9882
Type of gen. func.: ogf

$$-\frac{(x^2+1)^2}{(x-1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A096285
Score: 15.0309
Type of gen. func.: lgdogf

$$-\frac{x^6+4x^4-2x^3+2x+1}{(x-1)(x^2+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A096285
Score: 24.0002
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5-2x^3+x+1]$$

Sequence: A096286
Score: 4.59974
Type of gen. func.: ogf

$$2(x^{22}+x^{21}+6x^{19}+6x^{17}+3x^{16}+3x^{15}+10x^{14}+13x^{13}+x^{12}+7x^{10}+9x^9-4x^8-5x^7-9x^6-4x^5-14x^4-11x^3-6x^2-6x-3)/(x-1)$$

Sequence: A096302
Score: 14.2376
Type of gen. func.: ogf

$$\frac{81}{(10x-1)^2}$$

Sequence: A096302
Score: 20.6281
Type of gen. func.: revogf

$$\frac{4 x}{(9 + (81 + 40 x)^{1/2})^2}$$

Sequence: A096302
Score: 39.6694
Type of gen. func.: lgdogf

$$- \frac{20}{10 x - 1}$$

Sequence: A096302
Score: 5.91901
Type of gen. func.: ogf

$$\{-a(n + 2) + 20 a(n + 1) - 100 a(n), a(0) = 81, a(1) = 1620\}$$

Sequence: A096302
Score: 6.05508
Type of gen. func.: ogf

$$(5 f(x) + 891) (100 f(x) x^2 - 20 f(x) x + f(x) - 81)$$

Sequence: A096307
Score: 35.8406
Type of gen. func.: lgdegf]

$$-7 + x + (1 - x) f(x)$$

Sequence: A096307
Score: 4.06793
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 1) + (n + 9) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 7, a(2) = 55$$

}

Sequence: A096320
Score: 6.21549
Type of gen. func.: ogf

$$-(2x^{14}+3x^{13}+5x^{12}+8x^{11}+2x^{10}+5x^{9}-5x^{7}+5x^{5}+2x^{4}+8x^{3}+5x^{2}+3x+2)\Big/\left((x-1)(x^{2}+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{8}-x^{6}+x^{4}-x^{2}+1)\right)$$

Sequence: A096338
Score: 11.0663
Type of gen. func.: ogf

$$-\frac{x}{(x+1)^{3}(x-1)^{5}}$$

Sequence: A096338
Score: 36.1981
Type of gen. func.: lgdogf

$$-\frac{2(4x+1)}{(x-1)(x+1)}$$

Sequence: A096338
Score: 38.2479
Type of gen. func.: ogf_with_Euler_transform]

[2 + 3 x]

Sequence: A096338
Score: 6.07401
Type of gen. func.: ogf

{(-n - 2) a(n + 3) + 2 a(n + 2) + (n + 8) a(n + 1), a(0) = 0, a(1) = 1,

a(2) = 2}

Sequence: A096341
Score: 3.64568
Type of gen. func.: ogf

{(-n - 2) a(n + 1) + (n + 10) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 8,

a(2) = 71}

Sequence: A096341
Score: 32.2986
Type of gen. func.: lgdegf]

$$-8 + x + (1 - x) f(x)$$

Sequence: A096363
Score: 11.2932
Type of gen. func.: lgdogf

$$\frac{5 (50 x^2 - 10 x + 1)}{(10 x - 1) (25 x^2 + 5 x - 1)}$$

Sequence: A096363
Score: 5.21003
Type of gen. func.: ogf

{-a(n + 3) + 10 a(n + 2), a(0) = 60, a(1) = 300, a(2) = 1500}

Sequence: A096363
Score: 5.44957
Type of gen. func.: ogf

$$-(f(x) - 60) (10 f(x) x - 1500 x^2 - f(x) - 300 x + 60)$$

Sequence: A096363
Score: 9.11756
Type of gen. func.: ogf

$$\frac{60\,(25\,x^2 + 5\,x - 1)}{10\,x - 1}$$

Sequence: A096367
Score: 11.0410
Type of gen. func.: ogf

$$-\frac{2\,(2\,x^2 - 1)}{(x - 1)\,(-1 + 2\,x)^3}$$

Sequence: A096367
Score: 16.1427
Type of gen. func.: lgdogf

$$-\frac{8\,x^3 - 2\,x^2 - 12\,x + 7}{(x - 1)\,(-1 + 2\,x)\,(2\,x^2 - 1)}$$

Sequence: A096367
Score: 5.86159
Type of gen. func.: ogf

$$-(71\,f(x) + 6518)$$

$$(8\,f(x)\,x^4 - 20\,f(x)\,x^3 + 18\,f(x)\,x^2 - 7\,f(x)\,x + 4\,x^2 + f(x) - 2)$$

Sequence: A096372
Score: 6.49570
Type of gen. func.: ogf

$$-\frac{2004599\,x^4 - 7659968\,x^3 + 10998014\,x^2 - 7030812\,x + 1688311}{(x - 1)^5}$$

Sequence: A096372

Score: 6.88111
Type of gen. func.: lgdogf

$$-\frac{2004599 x^4 - 7301540 x^3 + 10014138 x^2 - 6127220 x + 1410743}{(x - 1) (2004599 x^4 - 7659968 x^3 + 10998014 x^2 - 7030812 x + 1688311)}$$

Sequence: A096376
Score: 13.7809
Type of gen. func.: ogf

$$-\frac{3 x^2 - x + 2}{(x - 1)^3}$$

Sequence: A096376
Score: 25.7833
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 4 x + 5}{(x - 1) (3 x^2 - x + 2)}$$

Sequence: A096376
Score: 7.1849
Type of gen. func.: ogf

$$(1712 f(x) - 1191) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) - x + 2)$$

Sequence: A096376
Score: 7.43923
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2, a(1) = 5, a(2) = 12}

Sequence: A096382
Score: 11.3003
Type of gen. func.: ogf

$$\frac{6 (x^2 - 4 x + 5)}{(x - 1)^4}$$

Sequence: A096382
Score: 24.6145
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 - 5 x + 8)}{(x - 1) (x^2 - 4 x + 5)}$$

Sequence: A096382
Score: 3.91376
Type of gen. func.: ogf

$$\{(20 + 5 n) a(n + 4) + (-43 - 9 n) a(n + 3) + (20 + 5 n) a(n + 2) + (-n - 3) a(n + 1), a(0) = 30, a(1) = 96, a(2) = 210, a(3) = 384\}$$

Sequence: A096382
Score: 5.94311
Type of gen. func.: ogf

$$(77 f(x) + 1654) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 6 x^2 + f(x) + 24 x - 30)$$

Sequence: A096383
Score: 17.5990
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^2 - 19 x + 20)}{(x - 1) (5 x^2 - 16 x + 14)}$$

Sequence: A096383
Score: 5.20421
Type of gen. func.: ogf

$$(299 f(x) + 13116)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 30 x^2 + f(x) + 96 x - 84)$$

Sequence: A096383
Score: 9.97474
Type of gen. func.: ogf

$$\frac{6 (5 x^2 - 16 x + 14)}{(x - 1)^4}$$

Sequence: A096386
Score: 11.6266
Type of gen. func.: ogf

$$\frac{x^2 (x^4 + x^2 + x + 1)}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A096386
Score: 8.77860
Type of gen. func.: lgdogf

$$- \frac{3 x^9 + x^8 + 6 x^7 + 8 x^6 + 10 x^5 + 4 x^4 + 7 x^3 + 3 x^2 + 4 x + 2}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 + x^2 + x + 1)}$$

Sequence: A096398
Score: 10.4679
Type of gen. func.: lgdogf

$$\frac{2 (3 x^6 - 9 x^5 + 7 x^4 + 2 x^3 - x^2 + 1)}{(x - 1) (x + 1) (2 x^5 - 5 x^4 + 4 x^3 - 3 x^2 + 2 x - 1)}$$

Sequence: A096398
Score: 8.83604
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x^5 - 5 x^4 + 4 x^3 - 3 x^2 + 2 x - 1)}{(x - 1)^3}$$

Sequence: A096400
Score: 11.5031
Type of gen. func.: ogf

$$- \frac{91 x^2 + x - 89}{(x + 1) (x - 1)^2}$$

Sequence: A096400
Score: 13.8886
Type of gen. func.: lgdogf

$$- \frac{91 x^3 + 93 x^2 - 84 x - 88}{(x - 1) (x + 1) (91 x^2 + x - 89)}$$

Sequence: A096400
Score: 5.94016
Type of gen. func.: ogf

$$-(15 f(x) - 37903) (f(x) x^3 - f(x) x^2 - f(x) x + 91 x^2 + f(x) + x - 89)$$

Sequence: A096400
Score: 6.30172
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 89, a(1) = 88, a(2) = 86}

Sequence: A096406
Score: 14.3103
Type of gen. func.: ogf

$$\frac{4\,(x^3 - x^2 - 1)}{(x - 1)\,(x + 1)\,(2\,x^2 + 1)}$$

Sequence: A096406
Score: 15.2528
Type of gen. func.: lgdogf

$$-\frac{x^2\,(2\,x^4 - 4\,x^3 + x^2 - 8\,x + 3)}{(x - 1)\,(x + 1)\,(2\,x^2 + 1)\,(x^3 - x^2 - 1)}$$

Sequence: A096406
Score: 8.39356
Type of gen. func.: ogf

$$-(63\,f(x) - 250)\,(2\,f(x)\,x^4 - f(x)\,x^2 - 4\,x^3 + 4\,x^2 - f(x) + 4)$$

Sequence: A096431
Score: 7.70860
Type of gen. func.: ogf

$$\frac{(x + 1)\,(x^8 + 2\,x^7 - x^6 + 8\,x^5 + x^4 + 8\,x^3 - x^2 + 2\,x + 1)}{(x - 1)^2\,(x^4 + x^3 + x^2 + x + 1)^2}$$

Sequence: A096472
Score: 11.561
Type of gen. func.: ogf

$$-f(x)\,x^2 + 2\,f(x)\,x - f(x) + 3600$$

Sequence: A096472
Score: 19.9107
Type of gen. func.: ogf

$$\frac{3600}{(x-1)^2}$$

Sequence: A096472
Score: 31.9454
Type of gen. func.: revogf

$$\frac{x}{(30+(900+x)^{1/2})^2}$$

Sequence: A096472
Score: 8.14528
Type of gen. func.: ogf

$$\{-a(n+2)+2\,a(n+1)-a(n),\ a(0)=3600,\ a(1)=7200\}$$

Sequence: A096472
Score: 87.8498
Type of gen. func.: lgdogf

$$-\frac{2}{x-1}$$

Sequence: A096531
Score: 4.34868
Type of gen. func.: ogf

$$-\frac{x^2\,(32\,x^7-60\,x^5-48\,x^4+33\,x^3+31\,x^2-5\,x-4)}{(-1+2\,x)\,(2\,x+1)\,(x-1)\,(2\,x^2-1)\,(8\,x^2-1)}$$

Sequence: A096582
Score: 14.0833
Type of gen. func.: ogf

$$-(2\,f(x)-10001)\,(f(x)\,x^2-2\,f(x)\,x+f(x)+101\,x-100)$$

Sequence: A096582
Score: 16.0715
Type of gen. func.: ogf

$$\{-a(n+2) + 2\,a(n+1) - a(n),\ a(0) = 100,\ a(1) = 99\}$$

Sequence: A096582
Score: 27.8792
Type of gen. func.: ogf

$$-\frac{101\,x - 100}{(x-1)^2}$$

Sequence: A096582
Score: 45.0743
Type of gen. func.: lgdogf

$$-\frac{-99 + 101\,x}{(101\,x - 100)\,(x-1)}$$

Sequence: A096613
Score: 6.49635
Type of gen. func.: lgdogf

$$-\frac{x^7 + 537\,x^6 + 1073\,x^5 + 1609\,x^4 + 2148\,x^3 + 1608\,x^2 + 1072\,x + 536}{(x-1)\,(x+1)\,(x^2+1)\,(x^4 + 268\,x^3 + 268\,x^2 + 268\,x + 268)}$$

Sequence: A096613
Score: 8.80992
Type of gen. func.: ogf

$$\frac{x^4 + 268\,x^3 + 268\,x^2 + 268\,x + 268}{(x+1)\,(x^2+1)\,(x-1)^2}$$

Sequence: A096625
Score: 11.8928
Type of gen. func.: ogf

$$-\frac{48 x^{31} + 9 x^{15} - 3 x^{8} + 4 x^{7} + x^{3} + 1}{x - 1}$$

Sequence: A096625
Score: 7.64343
Type of gen. func.: lgdogf

$$(1440 x^{31} - 1488 x^{30} + 126 x^{15} - 135 x^{14} - 21 x^{8} + 48 x^{7} - 28 x^{6} + 2 x^{3} - 3 x^{2} - 1) / ((x - 1) (48 x^{31} + 9 x^{15} - 3 x^{8} + 4 x^{7} + x^{3} + 1))$$

Sequence: A096630
Score: 3.44148
Type of gen. func.: ogf

$$- (4 x^{7} + 116692953951 x^{6} - 116692953960 x^{5} - x^{2} - 23338590790 x + 23338590792) / ((5 x^{5} - 1) (x - 1)^{2})$$

Sequence: A096654
Score: 4.49360
Type of gen. func.: ogf

{(-n - 3) a(n + 1) + (-n - 4) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 2, a(2) = 8

}

Sequence: A096680
Score: 7.39899
Type of gen. func.: ogf

$$-\frac{41 x^{14} - 39 x^{13} - 2 x^{12} + 4 x^{6} - 3 x^{5} - x^{4} + 2 x^{2} + 109 x - 112}{(x - 1)^{2}}$$

Sequence: A096727
Score: 21.0104
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4x-8}{x^2-1}$$

Sequence: A096740
Score: 14.7245
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{21}-x^{11}-x^{10}}{-x^2+1}$$

Sequence: A096748
Score: 11.5708
Type of gen. func.: ogf

$$-f(x)\,x^4 - f(x)\,x^2 - x^2 + f(x) - 2x - 1$$

Sequence: A096748
Score: 14.4127
Type of gen. func.: ogf

$$-\frac{(x+1)^2}{x^4+x^2-1}$$

Sequence: A096748
Score: 22.3854
Type of gen. func.: lgdogf

$$-\frac{2\,(x^4+2x^3+x+1)}{(x+1)\,(x^4+x^2-1)}$$

Sequence: A096749
Score: 15.7003
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^5+x^3+x^2}{x^2-1}$$

Sequence: A096750
Score: 11.3526
Type of gen. func.: ogf

$$-\frac{x^2-x+1}{x^4+x^3-2x^2+2x-1}$$

Sequence: A096750
Score: 12.0030
Type of gen. func.: lgdogf

$$-\frac{(x+1)(2x^4-4x^3+6x^2-3x+1)}{(x^2-x+1)(x^4+x^3-2x^2+2x-1)}$$

Sequence: A096750
Score: 7.32082
Type of gen. func.: ogf

$$-f(x)x^4-f(x)x^3+2f(x)x^2-2f(x)x-x^2+f(x)+x-1$$

Sequence: A096765
Score: 16.3871
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^3-x^2-x}{-x^2+1}$$

Sequence: A096773
Score: 12.6365
Type of gen. func.: ogf

$$-\frac{x (2 x - 3)}{(-1 + 2 x) (2 x + 1) (x - 1)}$$

Sequence: A096773
Score: 13.3923
Type of gen. func.: lgdogf

$$-\frac{16 x^3 - 44 x^2 + 24 x + 1}{(x - 1) (2 x + 1) (-1 + 2 x) (2 x - 3)}$$

Sequence: A096773
Score: 6.26331
Type of gen. func.: ogf

$$-(674 f(x) + 665) (4 f(x) x^3 - 4 f(x) x^2 - f(x) x + 2 x^2 + f(x) - 3 x)$$

Sequence: A096773
Score: 6.48902
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 4 a(n + 1) - 4 a(n), a(0) = 0, a(1) = 3, a(2) = 1\}$$

Sequence: A096777
Score: 11.3592
Type of gen. func.: ogf

$$-\frac{x^4 + 1}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A096777
Score: 13.5520

Type of gen. func.: lgdogf

$$-\frac{x^6 + 2x^5 + 2x^4 + 4x^3 + 5x^2 + 2x + 2}{(x - 1)(x^2 + x + 1)(x^4 + 1)}$$

Sequence: A096777
Score: 22.3111
Type of gen. func.: ogf_with_Euler_transform]

$$-x^7 + x^3 + x^2 + 2$$

Sequence: A096778
Score: 16.5909
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^5 - x - 1}{-x^2 + 1}$$

Sequence: A096881
Score: 10.8008
Type of gen. func.: ogf

$$-(17 f(x) - 9)(17 f(x) x^2 - f(x) + 4 x + 1)$$

Sequence: A096881
Score: 13.7816
Type of gen. func.: revegf]

$$-1/17\ 17^{1/2} (\operatorname{arcsinh}(4) - \operatorname{arcsinh}(4 + 17 x))$$

Sequence: A096881
Score: 14.4083
Type of gen. func.: ogf

$$-\frac{4 x + 1}{}$$

$$17 x^2 - 1$$

Sequence: A096881
Score: 16.0164
Type of gen. func.: lgdogf

$$- \frac{2 (34 x^2 + 17 x + 2)}{(4 x + 1) (17 x^2 - 1)}$$

Sequence: A096881
Score: 9.31000
Type of gen. func.: ogf

$$\{-a(n + 2) + 17 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A096882
Score: 10.5353
Type of gen. func.: ogf

$$-(100 f(x) - 51) (50 f(x) x^2 - f(x) + 7 x + 1)$$

Sequence: A096882
Score: 13.6234
Type of gen. func.: revegf]

$$-1/10\ 2^{1/2} (\operatorname{arcsinh}(7) - \operatorname{arcsinh}(7 + 50 x))$$

Sequence: A096882
Score: 13.9087
Type of gen. func.: ogf

$$- \frac{1 + 7 x}{50 x^2 - 1}$$

Sequence: A096882
Score: 15.4644
Type of gen. func.: lgdogf

$$-\frac{350 x^2 + 100 x + 7}{(1 + 7 x) (50 x^2 - 1)}$$

Sequence: A096882
Score: 8.98718
Type of gen. func.: ogf

$$\{-a(n + 2) + 50 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A096883
Score: 11.3206
Type of gen. func.: revegf]

$$-1/101\ 101^{1/2} (\operatorname{arcsinh}(10) - \operatorname{arcsinh}(10 + 101 x))$$

Sequence: A096883
Score: 12.6125
Type of gen. func.: ogf

$$-\frac{10 x + 1}{101 x^2 - 1}$$

Sequence: A096883
Score: 13.2534
Type of gen. func.: lgdogf

$$-\frac{2 (505 x^2 + 101 x + 5)}{(10 x + 1) (101 x^2 - 1)}$$

Sequence: A096883
Score: 7.20716
Type of gen. func.: ogf

$$-(101 f(x) - 51) (101 f(x) x^2 - f(x) + 10 x + 1)$$

Sequence: A096883
Score: 8.28285
Type of gen. func.: ogf

$$\{-a(n + 2) + 101 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A096884
Score: 17.1783
Type of gen. func.: ogf

$$-\frac{1}{101 x - 1}$$

Sequence: A096884
Score: 22.6565
Type of gen. func.: revegf]

$$1/101 \ln(1 + 101 x)$$

Sequence: A096884
Score: 25.6774
Type of gen. func.: lgdogf

$$-\frac{101}{101 x - 1}$$

Sequence: A096884
Score: 7.31669
Type of gen. func.: ogf

$$\{a(n + 1) - 101 a(n), a(0) = 1\}$$

Sequence: A096884
Score: 9.18838
Type of gen. func.: ogf

$$-101 f(x) x + f(x) - 1$$

Sequence: A096885
Score: 11.2886
Type of gen. func.: ogf

$$-\frac{1}{x^2 + 100 x - 1}$$

Sequence: A096885
Score: 16.7461
Type of gen. func.: lgdogf

$$-\frac{2 (50 + x)}{x^2 + 100 x - 1}$$

Sequence: A096885
Score: 4.39
Type of gen. func.: ogf

$$-(5001 f(x) - 1) (f(x) x^2 + 100 f(x) x - f(x) + 1)$$

Sequence: A096885
Score: 4.59420
Type of gen. func.: ogf

$$\{-a(n + 2) + 100 a(n + 1) + a(n), a(0) = 1, a(1) = 100\}$$

Sequence: A096885
Score: 9.17050
Type of gen. func.: revogf

$$\frac{-100 x - 1 + (10004 x^2 + 200 x + 1)^{1/2}}{2 x}$$

Sequence: A096886
Score: 10.4025
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A096886
Score: 16.2380
Type of gen. func.: ogf

$$-\frac{3 x + 1}{8 x^2 - 1}$$

Sequence: A096886
Score: 16.3144
Type of gen. func.: revogf

$$\frac{-1 + ((4 x + 1) (8 x + 1))^{1/2}}{2 (8 x + 3)}$$

Sequence: A096886
Score: 19.1934
Type of gen. func.: lgdogf

$$-\frac{24 x^2 + 16 x + 3}{(3 x + 1) (8 x^2 - 1)}$$

Sequence: A096886
Score: 9.79057
Type of gen. func.: ogf

$$(16 f(x) - 7) (8 f(x) x^2 - f(x) + 3 x + 1)$$

Sequence: A096911
Score: 16.2884
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^5+x^2+1}{x^4-1}$$

Sequence: A096914
Score: 13.6098
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^3-x^2+x+2}{x^2-1}$$

Sequence: A096920
Score: 15.6276
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^3-2x^2+2x-2}{-x^4+1}$$

Sequence: A096938
Score: 13.7531
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^8-x^6-x^2-1}{-x^{10}+1}$$

Sequence: A096941
Score: 13.2136
Type of gen. func.: ogf

$$-\frac{-5+4x}{(x-1)^4}$$

Sequence: A096941

```
Score: 31.6358
Type of gen. func.: lgdogf

                                      4 (3 x - 4)
                                 - ------------------
                                   (x - 1) (-5 + 4 x)



--------------------------------------------------------------------------------

Sequence:  A096941
Score: 5.20021
Type of gen. func.: ogf


{(5 n + 15) a(n + 3) + (-34 - 9 n) a(n + 2) + (16 + 4 n) a(n + 1), a(0) = 5,

    a(1) = 16, a(2) = 34}



--------------------------------------------------------------------------------

Sequence:  A096941
Score: 6.44826
Type of gen. func.: ogf

                           4            3            2
 (19 f(x) + 2384) (f(x) x  - 4 f(x) x  + 6 f(x) x  - 4 f(x) x + f(x) + 4 x - 5)



--------------------------------------------------------------------------------

Sequence:  A096942
Score: 10.9907
Type of gen. func.: ogf

                                       -5 + 4 x
                                       --------
                                              5
                                       (x - 1)



--------------------------------------------------------------------------------

Sequence:  A096942
Score: 30.6274
Type of gen. func.: lgdogf

                                       -21 + 16 x
                                 - ------------------
                                   (x - 1) (-5 + 4 x)



--------------------------------------------------------------------------------

Sequence:  A096942
Score: 5.03444
Type of gen. func.: ogf


{(5 n + 15) a(n + 3) + (-39 - 9 n) a(n + 2) + (20 + 4 n) a(n + 1), a(0) = 5,
```

a(1) = 21, a(2) = 55}

Sequence: A096943
Score: 27.6064
Type of gen. func.: lgdogf

$$-\frac{2(-13+10x)}{(x-1)(-5+4x)}$$

Sequence: A096943
Score: 4.90133
Type of gen. func.: ogf

{(5 n + 15) a(n + 3) + (-44 - 9 n) a(n + 2) + (24 + 4 n) a(n + 1), a(0) = 5,

a(1) = 26, a(2) = 81}

Sequence: A096943
Score: 9.49632
Type of gen. func.: ogf

$$-\frac{-5+4x}{(x-1)^6}$$

Sequence: A096944
Score: 27.5873
Type of gen. func.: lgdogf

$$-\frac{-31+24x}{(x-1)(-5+4x)}$$

Sequence: A096944
Score: 4.50990
Type of gen. func.: ogf

{(5 n + 15) a(n + 3) + (-49 - 9 n) a(n + 2) + (28 + 4 n) a(n + 1), a(0) = 5,

a(1) = 31, a(2) = 112}

Sequence: A096944
Score: 7.90500
Type of gen. func.: ogf

$$\frac{-5 + 4 x}{(x - 1)^7}$$

Sequence: A096945
Score: 26.8015
Type of gen. func.: lgdogf

$$- \frac{4 (-9 + 7 x)}{(x - 1) (-5 + 4 x)}$$

Sequence: A096945
Score: 4.38231
Type of gen. func.: ogf

{(5 n + 15) a(n + 3) + (-54 - 9 n) a(n + 2) + (32 + 4 n) a(n + 1), a(0) = 5,

a(1) = 36, a(2) = 148}

Sequence: A096945
Score: 6.97593
Type of gen. func.: ogf

$$- \frac{-5 + 4 x}{(x - 1)^8}$$

Sequence: A096946
Score: 26.8037
Type of gen. func.: lgdogf

$$- \frac{-41 + 32 x}{(x - 1) (-5 + 4 x)}$$

Sequence: A096946
Score: 4.38181
Type of gen. func.: ogf

{(5 n + 15) a(n + 3) + (-59 - 9 n) a(n + 2) + (36 + 4 n) a(n + 1), a(0) = 5,

a(1) = 41, a(2) = 189}

Sequence: A096946
Score: 6.27121
Type of gen. func.: ogf

$$\frac{-5 + 4 x}{(x - 1)^{9}}$$

Sequence: A096947
Score: 24.8064
Type of gen. func.: lgdogf

$$- \frac{2 (-23 + 18 x)}{(x - 1) (-5 + 4 x)}$$

Sequence: A096947
Score: 4.37885
Type of gen. func.: ogf

{(5 n + 15) a(n + 3) + (-64 - 9 n) a(n + 2) + (40 + 4 n) a(n + 1), a(0) = 5,

a(1) = 46, a(2) = 235}

Sequence: A096947
Score: 5.50888
Type of gen. func.: ogf

$$- \frac{-5 + 4 x}{(x - 1)^{10}}$$

Sequence: A096951
Score: 12.0910
Type of gen. func.: ogf

$$- \frac{6 x - 1}{}$$

$$(9 x - 1) (4 x - 1)$$

Sequence: A096951
Score: 12.6477
Type of gen. func.: revogf

$$-\frac{-1 - 13 x + (25 x^2 + 2 x + 1)^{1/2}}{12 (6 x + 1)}$$

Sequence: A096951
Score: 13.2500
Type of gen. func.: lgdogf

$$-\frac{216 x^2 - 72 x + 7}{(6 x - 1) (4 x - 1) (9 x - 1)}$$

Sequence: A096951
Score: 6.76520
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1) + 36 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A096951
Score: 7.59494
Type of gen. func.: ogf

$$-(19 f(x) + 30) (36 f(x) x^2 - 13 f(x) x + f(x) + 6 x - 1)$$

Sequence: A096957
Score: 12.9484
Type of gen. func.: ogf

$$-\frac{5 x - 6}{(x - 1)^4}$$

Sequence: A096957
Score: 30.9923
Type of gen. func.: lgdogf

$$-\frac{-19 + 15 x}{(x - 1) (5 x - 6)}$$

Sequence: A096957
Score: 5.06315
Type of gen. func.: ogf

{(6 n + 18) a(n + 3) + (-41 - 11 n) a(n + 2) + (20 + 5 n) a(n + 1), a(0) = 6,

a(1) = 19, a(2) = 40}

Sequence: A096957
Score: 6.26867
Type of gen. func.: ogf

$$(91 f(x) + 24186) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + f(x) + 5 x - 6)$$

Sequence: A096958
Score: 10.6054
Type of gen. func.: ogf

$$\frac{5 x - 6}{(x - 1)^5}$$

Sequence: A096958
Score: 29.5372
Type of gen. func.: lgdogf

$$-\frac{5 (-5 + 4 x)}{(x - 1) (5 x - 6)}$$

Sequence: A096958
Score: 4.82680
Type of gen. func.: ogf

{(6 n + 18) a(n + 3) + (-47 - 11 n) a(n + 2) + (25 + 5 n) a(n + 1), a(0) = 6,

```
    a(1) = 25, a(2) = 65}



------------------------------------------------------------------------------

Sequence:  A096959
Score: 28.8694
Type of gen. func.: lgdogf


                                   -31 + 25 x
                              - -----------------
                                (x - 1) (5 x - 6)



------------------------------------------------------------------------------

Sequence:  A096959
Score: 4.71767
Type of gen. func.: ogf


{(6 n + 18) a(n + 3) + (-53 - 11 n) a(n + 2) + (30 + 5 n) a(n + 1), a(0) = 6,

    a(1) = 31, a(2) = 96}



------------------------------------------------------------------------------

Sequence:  A096959
Score: 9.19946
Type of gen. func.: ogf


                                     5 x - 6
                                   - --------
                                            6
                                     (x - 1)



------------------------------------------------------------------------------

Sequence:  A096975
Score: 11.5040
Type of gen. func.: ogf


                                    2
                                 2 x  + 2 x - 3
                              - -----------------
                                 3      2
                                x  - 2 x  - x + 1



------------------------------------------------------------------------------

Sequence:  A096975
Score: 12.0639
Type of gen. func.: lgdogf


                             4      3       2
                          2 x  + 4 x  - 11 x  + 8 x + 1
                     - ------------------------------------
                           2              3      2
```

$$(2 x \;\; + 2 x - 3) (x \;\; - 2 x \;\; - x + 1)$$

Sequence: A096975
Score: 6.10214
Type of gen. func.: ogf

$$-(5 f(x) - 3) (f(x) x^3 - 2 f(x) x^2 - f(x) x + 2 x^2 + f(x) + 2 x - 3)$$

Sequence: A096975
Score: 6.26559
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 2 a(n + 1) - a(n), a(0) = 3, a(1) = 1, a(2) = 5\}$$

Sequence: A096976
Score: 12.9125
Type of gen. func.: ogf

$$-\frac{x^2 + x - 1}{x^3 - 2 x^2 - x + 1}$$

Sequence: A096976
Score: 16.9639
Type of gen. func.: lgdogf

$$-\frac{x (x^3 + 2 x^2 - 4 x + 2)}{(x^2 + x - 1) (x^3 - 2 x^2 - x + 1)}$$

Sequence: A096976
Score: 6.84927
Type of gen. func.: ogf

$$-(3 f(x) - 2) (f(x) x^3 - 2 f(x) x^2 - f(x) x + x^2 + f(x) + x - 1)$$

Sequence: A096976
Score: 7.09608
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 2 a(n + 1) + a(n), a(0) = 1, a(1) = 0, a(2) = 1\}$$

Sequence: A096977
Score: 11.6465
Type of gen. func.: lgdogf

$$- \frac{2 (24 x^3 - 20 x^2 + 4 x + 1)}{(x - 1) (2 x + 1) (-1 + 2 x) (4 x - 1)}$$

Sequence: A096977
Score: 3.30058
Type of gen. func.: ogf

$$\{(-8 n - 16) a(n + 1) + (6 n + 4) a(n + 2) + (3 n + 4) a(n + 3)$$

$$+ (-n - 1) a(n + 4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 11\}$$

Sequence: A096977
Score: 5.11979
Type of gen. func.: ogf

$$(65 f(x) + 8) (8 f(x) x^4 - 14 f(x) x^3 + 3 f(x) x^2 + 4 f(x) x - 2 x^2 - f(x) + x)$$

Sequence: A096977
Score: 9.85173
Type of gen. func.: ogf

$$\frac{x (-1 + 2 x)}{(2 x + 1) (4 x - 1) (x - 1)^2}$$

Sequence: A096978
Score: 12.3986
Type of gen. func.: ogf

$$- \frac{x}{\qquad}$$

$$(2 x + 1) (4 x - 1) (x - 1)^2$$

Sequence: A096978
Score: 16.0944
Type of gen. func.: lgdogf

$$-\frac{2 (16 x^2 - 5 x - 2)}{(x - 1) (2 x + 1) (4 x - 1)}$$

Sequence: A096978
Score: 3.36446
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 4) + (10 + 3 n) a(n + 3) + (16 + 6 n) a(n + 2) + (-32 - 8 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 19\}$$

Sequence: A096978
Score: 5.23067
Type of gen. func.: ogf

$$-(5459 f(x) - 1080) (8 f(x) x^4 - 14 f(x) x^3 + 3 f(x) x^2 + 4 f(x) x - f(x) + x)$$

Sequence: A096979
Score: 14.2777
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^3 - 9 x^2 + 3)}{(x - 1) (x + 1) (x^2 - 6 x + 1)}$$

Sequence: A096979
Score: 14.8521
Type of gen. func.: ogf

$$-\frac{x}{(x - 1) (x + 1) (x^2 - 6 x + 1)}$$

Sequence: A096979
Score: 5.79938
Type of gen. func.: ogf

$$-(210 f(x) - 1) (f(x) x^{4} - 6 f(x) x^{3} + 6 f(x) x - f(x) + x)$$

Sequence: A096980
Score: 14.1953
Type of gen. func.: ogf

$$-\frac{3 x + 1}{7 x^{2} + 2 x - 1}$$

Sequence: A096980
Score: 14.9066
Type of gen. func.: revogf

$$\frac{-1 - 2 x + (32 x^{2} + 16 x + 1)^{1/2}}{2 (3 + 7 x)}$$

Sequence: A096980
Score: 16.4757
Type of gen. func.: lgdogf

$$-\frac{21 x^{2} + 14 x + 5}{(3 x + 1) (7 x^{2} + 2 x - 1)}$$

Sequence: A096980
Score: 7.42778
Type of gen. func.: ogf

$$(24 f(x) + 1) (7 f(x) x^{2} + 2 f(x) x - f(x) + 3 x + 1)$$

Sequence: A096980
Score: 7.79010
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) - 7 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A096981
Score: 13.8635
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^5 - x^4 - x^2 - 1}{-x^6 + 1}$$

Sequence: A097038
Score: 14.6283
Type of gen. func.: ogf

$$\frac{x}{(2 x^2 - 1) (-1 + 2 x) (x + 1)}$$

Sequence: A097038
Score: 15.3542
Type of gen. func.: lgdogf

$$- \frac{16 x^3 + 6 x^2 - 8 x - 1}{(-1 + 2 x) (x + 1) (2 x^2 - 1)}$$

Sequence: A097038
Score: 5.82751
Type of gen. func.: ogf

$$-(35 f(x) - 22) (4 f(x) x^4 + 2 f(x) x^3 - 4 f(x) x^2 - f(x) x + f(x) - x)$$

Sequence: A097039
Score: 13.8630
Type of gen. func.: lgdogf

$$-\frac{3 x^{4} - 17 x^{3} + 3 x + 7}{(x - 1) (x^{2} + x - 1) (x^{2} - 4 x - 1)}$$

Sequence: A097039
Score: 8.51459
Type of gen. func.: ogf

$$\frac{x (x^{2} - 4 x - 1)}{(x - 1) (x^{2} + x - 1)^{2}}$$

Sequence: A097040
Score: 12.3857
Type of gen. func.: ogf

$$-\frac{2 x^{2}}{(x^{2} - 3 x + 1) (x^{2} + x - 1)}$$

Sequence: A097040
Score: 14.7677
Type of gen. func.: lgdogf

$$-\frac{2 (x - 2) (-1 + 2 x) (x + 1)}{(x^{2} - 3 x + 1) (x^{2} + x - 1)}$$

Sequence: A097040
Score: 5.42516
Type of gen. func.: ogf

$$(3 f(x) - 2) (f(x) x^{4} - 2 f(x) x^{3} - 3 f(x) x^{2} + 4 f(x) x + 2 x^{2} - f(x))$$

Sequence: A097041
Score: 13.7436
Type of gen. func.: ogf

$$-\frac{x + 1}{9 x^3 + x^2 - 1}$$

Sequence: A097041
Score: 15.7103
Type of gen. func.: lgdogf

$$-\frac{18 x^3 + 28 x^2 + 2 x + 1}{(x + 1) (9 x^3 + x^2 - 1)}$$

Sequence: A097041
Score: 7.16423
Type of gen. func.: ogf

{a(n + 3) - a(n + 1) - 9 a(n), a(0) = 1, a(1) = 1, a(2) = 1}

Sequence: A097041
Score: 7.48263
Type of gen. func.: ogf

$$-(f(x) - 18) (9 f(x) x^3 + f(x) x^2 - f(x) + x + 1)$$

Sequence: A097045
Score: 4.87181
Type of gen. func.: ogf

$$(x^{72} - x^{68} - x^{67} + x^{66} + 8 x^{15} + 7 x^{14} + 6 x^{13} + 5 x^{12} + 4 x^{11} + 11 x^{10} + 9 x^9 - 9 x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 + 1) \Big/ (x^{72} - x^{67} + x^{66} + 8 x^9 - 9 x^8 + 1)$$

Sequence: A097057
Score: 7.52777
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4x^6+2x^4-2x^3+6x^2+2x+4}{-x^7-x^6-x^5-x^4-x^3-x^2-x-1}$$

Sequence: A097062
Score: 10.2339
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+2)+a(n+1)-a(n),\ a(0)=1,\ a(1)=-1,\ a(2)=3\}$$

Sequence: A097062
Score: 18.7902
Type of gen. func.: ogf

$$\frac{3x^2-2x+1}{(x+1)(x-1)^2}$$

Sequence: A097062
Score: 25.1726
Type of gen. func.: lgdogf

$$-\frac{3x^3-x^2+7x-1}{(x-1)(x+1)(3x^2-2x+1)}$$

Sequence: A097062
Score: 9.79657
Type of gen. func.: ogf

$$-(22 f(x)+23)(f(x)x^3-f(x)x^2-f(x)x-3x^2+f(x)+2x-1)$$

Sequence: A097063
Score: 13.5364
Type of gen. func.: ogf

$$3x^2-2x+1$$

$$-\frac{}{(x+1)\,(x-1)^3}$$

Sequence: A097063
Score: 21.4145
Type of gen. func.: lgdogf

$$-\frac{6\,x\,(x^2+1)}{(x-1)\,(x+1)\,(3\,x^2-2\,x+1)}$$

Sequence: A097063
Score: 6.93882
Type of gen. func.: ogf

$$-(101\,f(x)-112)\,(f(x)\,x^4-2\,f(x)\,x^3+2\,f(x)\,x+3\,x^2-f(x)-2\,x+1)$$

Sequence: A097064
Score: 11.5729
Type of gen. func.: ogf

$$4\,f(x)\,x^2-4\,f(x)\,x-6\,x^2+f(x)+4\,x-1$$

Sequence: A097064
Score: 12.7705
Type of gen. func.: ogf

$$\frac{6\,x^2-4\,x+1}{(-1+2\,x)^2}$$

Sequence: A097064
Score: 25.6398
Type of gen. func.: lgdogf

$$-\frac{4\,x}{(-1+2\,x)\,(6\,x^2-4\,x+1)}$$

Sequence: A097064
Score: 6.70138
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 0, a(2) = 2\}$$

Sequence: A097065
Score: 14.6511
Type of gen. func.: ogf

$$\frac{2 x^2 - 2 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A097065
Score: 18.8316
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 2 x^2 + 5 x - 1}{(x - 1) (x + 1) (2 x^2 - 2 x + 1)}$$

Sequence: A097065
Score: 7.70448
Type of gen. func.: ogf

$$-(31 f(x) + 9) (f(x) x^3 - f(x) x^2 - f(x) x - 2 x^2 + f(x) + 2 x - 1)$$

Sequence: A097065
Score: 7.97964
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = -1, a(2) = 2\}$$

Sequence: A097066
Score: 13.8454

Type of gen. func.: ogf

$$-\frac{2x^2-2x+1}{(x+1)(x-1)^3}$$

Sequence: A097066
Score: 19.8188
Type of gen. func.: lgdogf

$$-\frac{2x(2x^2-x+2)}{(x-1)(x+1)(2x^2-2x+1)}$$

Sequence: A097066
Score: 4.08006
Type of gen. func.: ogf

$$\{(2n^2+4n)a(n)+(n^2+13n+24)a(n+1)+(-2n^2+2n+12)a(n+2)$$
$$+(-n^2-7n-12)a(n+3),\ a(0)=1,\ a(1)=0,\ a(2)=2\}$$

Sequence: A097066
Score: 7.60876
Type of gen. func.: ogf

$$(-1+2f(x))(f(x)x^4-2f(x)x^3+2f(x)x+2x^2-f(x)-2x+1)$$

Sequence: A097067
Score: 12.3855
Type of gen. func.: ogf

$$\frac{5x^2-4x+1}{(-1+2x)^2}$$

Sequence: A097067

Score: 24.8549
Type of gen. func.: lgdogf

$$-\frac{2x}{(-1+2x)(5x^2-4x+1)}$$

Sequence: A097067
Score: 6.49933
Type of gen. func.: ogf

$$\{-a(n+3)+4a(n+2)-4a(n+1), a(0)=1, a(1)=0, a(2)=1\}$$

Sequence: A097067
Score: 9.24551
Type of gen. func.: ogf

$$4f(x)x^2-4f(x)x-5x^2+f(x)+4x-1$$

Sequence: A097068
Score: 12.8240
Type of gen. func.: ogf

$$\frac{3x}{4x^2-14x+1}$$

Sequence: A097068
Score: 18.4159
Type of gen. func.: lgdogf

$$-\frac{2(-7+4x)}{4x^2-14x+1}$$

Sequence: A097068
Score: 5.94283
Type of gen. func.: ogf

$$\{a(n+2)-14a(n+1)+4a(n), a(0)=0, a(1)=3\}$$

Sequence: A097068
Score: 8.12188
Type of gen. func.: ogf

$$-4 f(x) x^2 + 14 f(x) x - f(x) + 3 x$$

Sequence: A097068
Score: 9.03420
Type of gen. func.: revogf

$$-\frac{-14 x - 3 + (6 x + 1)^{1/2} (10 x + 3)^{1/2} 3^{1/2}}{8 x}$$

Sequence: A097070
Score: 4.97301
Type of gen. func.: ogf

$$64 f(x)^2 x^3 - 48 f(x)^2 x^2 - 64 f(x) x^3 + 12 f(x)^2 x + 48 f(x) x^2 + 16 x^3$$
$$- f(x)^2 - 12 f(x) x - 11 x^2 + f(x) + 2 x$$

Sequence: A097070
Score: 5.56582
Type of gen. func.: ogf

$$\{(-4 n^2 - 2 n) a(n) + (5 n^2 + 14 n + 9) a(n + 1) + (-n^2 - 3 n - 2) a(n + 2),$$
$$a(0) = 1, a(1) = 2\}$$

Sequence: A097072
Score: 11.8079
Type of gen. func.: ogf

$$\frac{2 x^2 - 2 x + 1}{(x - 1) (-1 + 2 x) (x + 1)}$$

Sequence: A097072
Score: 11.8299
Type of gen. func.: lgdogf

$$-\frac{2 x (2 x^3 - 4 x^2 + 6 x - 3)}{(x - 1) (-1 + 2 x) (x + 1) (2 x^2 - 2 x + 1)}$$

Sequence: A097072
Score: 6.05278
Type of gen. func.: ogf

$$-(397 f(x) + 332) (2 f(x) x^3 - f(x) x^2 - 2 f(x) x - 2 x^2 + f(x) + 2 x - 1)$$

Sequence: A097072
Score: 6.48902
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) - a(n + 1) + 2 a(n), a(0) = 1, a(1) = 0, a(2) = 3}

Sequence: A097073
Score: 10.1448
Type of gen. func.: ogf

$$2 f(x) x^2 + f(x) x + 2 x^2 - f(x) - x + 1$$

Sequence: A097073
Score: 13.5902
Type of gen. func.: ogf

$$-\frac{2 x^2 - x + 1}{(-1 + 2 x) (x + 1)}$$

Sequence: A097073
Score: 19.1836
Type of gen. func.: lgdogf

$$\frac{4 x (x - 2)}{(-1 + 2 x) (x + 1) (2 x^2 - x + 1)}$$

Sequence: A097073
Score: 7.13150
Type of gen. func.: ogf

{-a(n + 3) + a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = 0, a(2) = 4}

Sequence: A097074
Score: 11.5525
Type of gen. func.: lgdogf

$$- \frac{4 x^4 - 4 x^3 + 11 x^2 - 6 x - 1}{(x - 1) (-1 + 2 x) (x + 1) (2 x^2 - x + 1)}$$

Sequence: A097074
Score: 11.5903
Type of gen. func.: ogf

$$\frac{2 x^2 - x + 1}{(x - 1) (-1 + 2 x) (x + 1)}$$

Sequence: A097074
Score: 6.31260
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) - a(n + 1) + 2 a(n), a(0) = 1, a(1) = 1, a(2) = 5}

Sequence: A097074
Score: 6.36946
Type of gen. func.: ogf

$$(7 f(x) + 9) (2 f(x) x^3 - f(x) x^2 - 2 f(x) x - 2 x^2 + f(x) + x - 1)$$

Sequence: A097075
Score: 11.7656
Type of gen. func.: ogf

$$\frac{x^2 + x - 1}{(x + 1) (x^2 + 2 x - 1)}$$

Sequence: A097075
Score: 15.0511
Type of gen. func.: lgdogf

$$- \frac{x (x^3 + 2 x^2 - x - 4)}{(x + 1) (x^2 + x - 1) (x^2 + 2 x - 1)}$$

Sequence: A097075
Score: 6.13422
Type of gen. func.: ogf

$$-(49 f(x) + 15) (f(x) x^3 + 3 f(x) x^2 + f(x) x - x^2 - f(x) - x + 1)$$

Sequence: A097075
Score: 6.46580
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - 3 a(n + 1) - a(n), a(0) = 1, a(1) = 0, a(2) = 2}

Sequence: A097076
Score: 17.0976
Type of gen. func.: ogf

$$- \frac{x}{(x + 1) (x^2 + 2 x - 1)}$$

Sequence: A097076
Score: 23.7187
Type of gen. func.: lgdogf

$$-\frac{3x^2+6x+1}{(x+1)(x^2+2x-1)}$$

Sequence: A097076
Score: 6.93148
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+2)+3a(n+1)+a(n), a(0)=0, a(1)=1, a(2)=1\}$$

Sequence: A097076
Score: 7.77165
Type of gen. func.: ogf

$$(f(x)+1)(f(x)x^3+3f(x)x^2+f(x)x-f(x)+x)$$

Sequence: A097080
Score: 13.8447
Type of gen. func.: ogf

$$-\frac{3x^2-2x+3}{(x-1)^3}$$

Sequence: A097080
Score: 24.3811
Type of gen. func.: lgdogf

$$-\frac{3x^2+2x+7}{(x-1)(3x^2-2x+3)}$$

Sequence: A097080
Score: 7.47367
Type of gen. func.: ogf

$$\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0)=3, a(1)=7, a(2)=15\}$$

Sequence: A097080
Score: 7.5404
Type of gen. func.: ogf

$$(17 f(x) - 6) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) - 2 x + 3)$$

Sequence: A097081
Score: 12.4767
Type of gen. func.: lgdogf

$$- \frac{x^4 - 4 x^3 - 6 x^2 + 4 x - 1}{(x - 1) (x^4 + 4 x^3 - 6 x^2 + 4 x - 1)}$$

Sequence: A097081
Score: 5.11006
Type of gen. func.: ogf

$$(f(x) - 2)$$

$$(f(x) x^4 + 4 f(x) x^3 - 6 f(x) x^2 - x^3 + 4 f(x) x + 3 x^2 - f(x) - 3 x + 1)$$

Sequence: A097081
Score: 9.09194
Type of gen. func.: ogf

$$\frac{(x - 1)^3}{x^4 + 4 x^3 - 6 x^2 + 4 x - 1}$$

Sequence: A097083
Score: 15.6212
Type of gen. func.: lgdogf

$$- \frac{5 x^4 - 3 x^2 + 2 x - 2}{(x - 1) (x^2 + 1) (x^2 + x - 1)}$$

Sequence: A097083
Score: 16.2893
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (x^2 + 1) (x^2 + x - 1)}$$

Sequence: A097108
Score: 8.04426
Type of gen. func.: ogf

$$- \frac{2 x^7 + 4 x^6 + 3 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1}{(x + 1) (x^2 - x + 1) (x - 1)^3 (x^2 + x + 1)^3}$$

Sequence: A097109
Score: 9.35240
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^5 - x^4 + x^3 + 2 x^2 + x - 1}{-x^6 + 1}$$

Sequence: A097110
Score: 11.8554
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^6 - 3 x^4 - 4 x^3 + 3 x + 1)}{(x - 1) (x + 1) (2 x^2 - 1) (2 x^3 - 2 x - 1)}$$

Sequence: A097110
Score: 13.5736
Type of gen. func.: ogf

$$2 x^3 - 2 x - 1$$

$$-\frac{}{(x - 1) (x + 1) (2 x^2 - 1)}$$

Sequence: A097110
Score: 8.23083
Type of gen. func.: ogf

$$(2 f(x) + 11) (2 f(x) x^4 - 3 f(x) x^2 + 2 x^3 + f(x) - 2 x - 1)$$

Sequence: A097111
Score: 10.5590
Type of gen. func.: ogf

$$-\frac{12 x^3 + 2 x^2 - 3 x - 1}{(-1 + 2 x) (2 x + 1) (5 x^2 - 1)}$$

Sequence: A097111
Score: 6.43136
Type of gen. func.: ogf

$$-(40 f(x) + 247) (20 f(x) x^4 - 9 f(x) x^2 + 12 x^3 + 2 x^2 + f(x) - 3 x - 1)$$

Sequence: A097111
Score: 7.62467
Type of gen. func.: lgdogf

$$-\frac{240 x^6 + 80 x^5 - 72 x^4 - 80 x^3 - 9 x^2 + 14 x + 3}{(2 x + 1) (-1 + 2 x) (5 x^2 - 1) (12 x^3 + 2 x^2 - 3 x - 1)}$$

Sequence: A097112
Score: 5.92634
Type of gen. func.: ogf

$$(45 f(x) + 349) (90 f(x) x^4 - 19 f(x) x^2 + 36 x^3 + 6 x^2 + f(x) - 4 x - 1)$$

Sequence: A097112
Score: 6.27519
Type of gen. func.: lgdogf

$$-\frac{2\,(1620\,x^{6}+540\,x^{5}-198\,x^{4}-180\,x^{3}-16\,x^{2}+13\,x+2)}{(3\,x-1)\,(3\,x+1)\,(10\,x^{2}-1)\,(36\,x^{3}+6\,x^{2}-4\,x-1)}$$

Sequence: A097112
Score: 9.32528
Type of gen. func.: ogf

$$-\frac{36\,x^{3}+6\,x^{2}-4\,x-1}{(3\,x-1)\,(3\,x+1)\,(10\,x^{2}-1)}$$

Sequence: A097113
Score: 5.59304
Type of gen. func.: ogf

$$(544\,f(x)+5197)\,(272\,f(x)\,x^{4}-33\,f(x)\,x^{2}+80\,x^{3}+12\,x^{2}+f(x)-5\,x-1)$$

Sequence: A097113
Score: 5.90568
Type of gen. func.: lgdogf

$$-\frac{21760\,x^{6}+6528\,x^{5}-1440\,x^{4}-1088\,x^{3}-75\,x^{2}+42\,x+5}{(4\,x-1)\,(4\,x+1)\,(17\,x^{2}-1)\,(80\,x^{3}+12\,x^{2}-5\,x-1)}$$

Sequence: A097113
Score: 8.86896
Type of gen. func.: ogf

$$-\frac{80\,x^{3}+12\,x^{2}-5\,x-1}{(4\,x-1)\,(4\,x+1)\,(17\,x^{2}-1)}$$

Sequence: A097114
Score: 5.13182
Type of gen. func.: ogf

$$(1225 f(x) + 18748)$$

$$(2450 f(x) x^4 - 99 f(x) x^2 + 392 x^3 + 42 x^2 + f(x) - 8 x - 1)$$

Sequence: A097114
Score: 8.19665
Type of gen. func.: ogf

$$-\frac{392 x^3 + 42 x^2 - 8 x - 1}{(1 + 7 x) (7 x - 1) (50 x^2 - 1)}$$

Sequence: A097115
Score: 6.41614
Type of gen. func.: ogf

$$(20200 f(x) + 428431)$$

$$(10100 f(x) x^4 - 201 f(x) x^2 + 1100 x^3 + 90 x^2 + f(x) - 11 x - 1)$$

Sequence: A097115
Score: 7.30199
Type of gen. func.: ogf

$$-\frac{1100 x^3 + 90 x^2 - 11 x - 1}{(10 x + 1) (10 x - 1) (101 x^2 - 1)}$$

Sequence: A097116
Score: 12.6993
Type of gen. func.: ogf

$$\frac{x - 1}{3 x^3 - x^2 + 2 x - 1}$$

Sequence: A097116
Score: 14.3332
Type of gen. func.: lgdogf

$$-\frac{6x^3 - 10x^2 + 2x - 1}{(x - 1)(3x^3 - x^2 + 2x - 1)}$$

Sequence: A097116
Score: 6.00948
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1) + 3 a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A097116
Score: 6.29029
Type of gen. func.: ogf

$$-(5 f(x) - 6)(3 f(x) x^3 - f(x) x^2 + 2 f(x) x - f(x) - x + 1)$$

Sequence: A097117
Score: 13.4768
Type of gen. func.: ogf

$$\frac{x - 1}{4x^3 - x^2 + 2x - 1}$$

Sequence: A097117
Score: 15.2290
Type of gen. func.: lgdogf

$$-\frac{8x^3 - 13x^2 + 2x - 1}{(x - 1)(4x^3 - x^2 + 2x - 1)}$$

Sequence: A097117
Score: 6.37741
Type of gen. func.: ogf

$$\{-a(n+3) + 2\, a(n+2) - a(n+1) + 4\, a(n),\ a(0) = 1,\ a(1) = 1,\ a(2) = 1\}$$

Sequence: A097117
Score: 6.67541
Type of gen. func.: ogf

$$-(7\, f(x) - 8)\, (4\, f(x)\, x^3 - f(x)\, x^2 + 2\, f(x)\, x - f(x) - x + 1)$$

Sequence: A097118
Score: 13.1556
Type of gen. func.: ogf

$$\frac{x - 1}{5\, x^3 - x^2 + 2\, x - 1}$$

Sequence: A097118
Score: 14.5456
Type of gen. func.: lgdogf

$$-\frac{10\, x^3 - 16\, x^2 + 2\, x - 1}{(x - 1)\, (5\, x^3 - x^2 + 2\, x - 1)}$$

Sequence: A097118
Score: 6.22541
Type of gen. func.: ogf

$$\{-a(n+3) + 2\, a(n+2) - a(n+1) + 5\, a(n),\ a(0) = 1,\ a(1) = 1,\ a(2) = 1\}$$

Sequence: A097118
Score: 6.45598
Type of gen. func.: ogf

$$-(9\, f(x) - 10)\, (5\, f(x)\, x^3 - f(x)\, x^2 + 2\, f(x)\, x - f(x) - x + 1)$$

Sequence: A097119
Score: 10.5280
Type of gen. func.: ogf

$$-\frac{(x-1)^2}{(-1+2x)(x^3+x^2-x+1)}$$

Sequence: A097119
Score: 12.9514
Type of gen. func.: lgdogf

$$-\frac{4x^4-7x^3-3x^2+3x-1}{(x-1)(-1+2x)(x^3+x^2-x+1)}$$

Sequence: A097119
Score: 5.63124
Type of gen. func.: ogf

$$(5 f(x)-4)(2 f(x) x^4+f(x) x^3-3 f(x) x^2+3 f(x) x+x^2-f(x)-2 x+1)$$

Sequence: A097120
Score: 11.5923
Type of gen. func.: lgdogf

$$-\frac{6x^4-11x^3-3x^2+3x-1}{(x-1)(3x^4+x^3-3x^2+3x-1)}$$

Sequence: A097120
Score: 5.3195
Type of gen. func.: ogf

$$(7 f(x)-6)(3 f(x) x^4+f(x) x^3-3 f(x) x^2+3 f(x) x+x^2-f(x)-2 x+1)$$

Sequence: A097120
Score: 9.94517
Type of gen. func.: ogf

$$-\frac{(x-1)^2}{3x^4+x^3-3x^2+3x-1}$$

Sequence: A097121
Score: 10.3972
Type of gen. func.: ogf

$$-\frac{(x-1)^2}{4x^4+x^3-3x^2+3x-1}$$

Sequence: A097121
Score: 12.1301
Type of gen. func.: lgdogf

$$-\frac{8x^4-15x^3-3x^2+3x-1}{(x-1)(4x^4+x^3-3x^2+3x-1)}$$

Sequence: A097121
Score: 5.5613
Type of gen. func.: ogf

$$(9f(x)-8)(4f(x)x^4+f(x)x^3-3f(x)x^2+3f(x)x+x^2-f(x)-2x+1)$$

Sequence: A097122
Score: 11.3745
Type of gen. func.: ogf

$$-\frac{(x-1)^2}{4x^3-3x^2+3x-1}$$

Sequence: A097122
Score: 14.1717
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 12 x^2 + 3 x - 1}{(x - 1) (4 x^3 - 3 x^2 + 3 x - 1)}$$

Sequence: A097122
Score: 6.19504
Type of gen. func.: ogf

$$(11 f(x) - 8) (4 f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) - 2 x + 1)$$

Sequence: A097122
Score: 6.19504
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A097123
Score: 11.1507
Type of gen. func.: ogf

$$-\frac{(x - 1)^2}{5 x^3 - 3 x^2 + 3 x - 1}$$

Sequence: A097123
Score: 13.8901
Type of gen. func.: lgdogf

$$-\frac{5 x^3 - 15 x^2 + 3 x - 1}{(x - 1) (5 x^3 - 3 x^2 + 3 x - 1)}$$

Sequence: A097123
Score: 6.07317
Type of gen. func.: ogf

$$\{-a(n+3) + 3 a(n+2) - 3 a(n+1) + 5 a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A097123
Score: 7.64263
Type of gen. func.: ogf

$$5 f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) - 2 x + 1$$

Sequence: A097124
Score: 10.7614
Type of gen. func.: ogf

$$-\frac{(x-1)^2}{6 x^3 - 3 x^2 + 3 x - 1}$$

Sequence: A097124
Score: 13.3982
Type of gen. func.: lgdogf

$$-\frac{6 x^3 - 18 x^2 + 3 x - 1}{(x-1)(6 x^3 - 3 x^2 + 3 x - 1)}$$

Sequence: A097124
Score: 5.659
Type of gen. func.: ogf

$$-(9 f(x) - 11)(6 f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) - 2 x + 1)$$

Sequence: A097124
Score: 5.86110
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + 6 a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A097131
Score: 10.2690
Type of gen. func.: lgdogf

$$-\frac{2 x^6 + 2 x^5 + 3 x^4 - 4 x^3 - 3 x^2 + 4 x + 1}{(x^2 + x - 1) (x^2 - x - 1) (2 x^3 + x^2 - x - 1)}$$

Sequence: A097131
Score: 11.9179
Type of gen. func.: ogf

$$-\frac{2 x^3 + x^2 - x - 1}{(x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A097131
Score: 7.30816
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 2) + a(n), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 1\}$$

Sequence: A097131
Score: 7.37776
Type of gen. func.: ogf

$$-(f(x) + 1) (f(x) x^4 - 3 f(x) x^2 + 2 x^3 + x^2 + f(x) - x - 1)$$

Sequence: A097132
Score: 8.17645
Type of gen. func.: lgdogf

$$-\frac{4 x^7 + x^6 - 6 x^5 - 11 x^4 + 6 x^3 + 11 x^2 - 4 x - 2}{(x - 1) (x^2 + x - 1) (x^2 - x - 1) (2 x^3 + x^2 - x - 1)}$$

Sequence: A097132
Score: 8.53876
Type of gen. func.: ogf

$$\frac{2 x^3 + x^2 - x - 1}{(x - 1) (x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A097133
Score: 12.8961
Type of gen. func.: lgdogf

$$- \frac{2 x^4 + 4 x^3 + 7 x^2 + 8 x + 2}{(x + 1) (2 x^2 + 2 x + 1) (x^2 + x - 1)}$$

Sequence: A097133
Score: 12.9233
Type of gen. func.: ogf

$$- \frac{2 x^2 + 2 x + 1}{(x + 1) (x^2 + x - 1)}$$

Sequence: A097133
Score: 7.83647
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A097133
Score: 7.92072
Type of gen. func.: ogf

$$(3 f(x) + 1) (f(x) x^3 + 2 f(x) x^2 + 2 x^2 - f(x) + 2 x + 1)$$

Sequence: A097134
Score: 10.2453
Type of gen. func.: ogf

$$-f(x) x^2 + 3 f(x) x + x^2 - f(x) + 1$$

Sequence: A097134
Score: 14.0088
Type of gen. func.: ogf

$$\frac{x^2 + 1}{x^2 - 3 x + 1}$$

Sequence: A097134
Score: 19.7972
Type of gen. func.: lgdogf

$$- \frac{3 (x - 1) (x + 1)}{(x^2 + 1) (x^2 - 3 x + 1)}$$

Sequence: A097134
Score: 6.72974
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + a(n + 1), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A097135
Score: 11.4551
Type of gen. func.: ogf

$$-f(x) x^2 - f(x) x + x^2 + f(x) - 2 x - 1$$

Sequence: A097135
Score: 15.3455
Type of gen. func.: ogf

$$x^2 - 2 x - 1$$

$$\overline{}$$
$$x^2 + x - 1$$

Sequence: A097135
Score: 25.7631
Type of gen. func.: lgdogf

$$\frac{3 (x^2 + 1)}{(x^2 + x - 1) (x^2 - 2 x - 1)}$$

Sequence: A097135
Score: 7.97363
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - a(n + 1), a(0) = 1, a(1) = 3, a(2) = 3}

Sequence: A097136
Score: 12.9966
Type of gen. func.: ogf

$$\frac{2 x^2 - 1}{(x - 1) (x^2 - 3 x + 1)}$$

Sequence: A097136
Score: 13.2635
Type of gen. func.: lgdogf

$$- \frac{2 x^4 - 11 x^2 + 12 x - 4}{(x - 1) (x^2 - 3 x + 1) (2 x^2 - 1)}$$

Sequence: A097136
Score: 6.55581
Type of gen. func.: ogf

{a(n + 3) - 4 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 1, a(1) = 4, a(2) = 10}

Sequence: A097136
Score: 6.67392
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^3 - 4 f(x) x^2 + 4 f(x) x - 2 x^2 - f(x) + 1)$$

Sequence: A097137
Score: 12.8470
Type of gen. func.: ogf

$$- \frac{x^2}{(x + 1) (3 x - 1) (x - 1)^2}$$

Sequence: A097137
Score: 18.3210
Type of gen. func.: lgdogf

$$- \frac{4 (3 x^2 - 1)}{(x - 1) (3 x - 1) (x + 1)}$$

Sequence: A097137
Score: 3.38444
Type of gen. func.: ogf

$$\{(-3 n - 9) a(n + 1) + a(n + 2) n + (3 n + 7) a(n + 3) + (-n - 2) a(n + 4),$$
$$a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 4\}$$

Sequence: A097137
Score: 5.20252
Type of gen. func.: ogf

$$(2 f(x) - 1) (3 f(x) x^4 - 4 f(x) x^3 - 2 f(x) x^2 + 4 f(x) x + x^2 - f(x))$$

Sequence: A097138

Score: 11.7823
Type of gen. func.: ogf

$$-\frac{x^2}{(x+1)(4x-1)(x-1)^2}$$

Sequence: A097138
Score: 17.6579
Type of gen. func.: lgdogf

$$-\frac{16x^2+x-5}{(x-1)(4x-1)(x+1)}$$

Sequence: A097138
Score: 5.16084
Type of gen. func.: ogf

$$(3 f(x)-1)(4 f(x) x^4-5 f(x) x^3-3 f(x) x^2+5 f(x) x+x^2-f(x))$$

Sequence: A097139
Score: 13.1013
Type of gen. func.: ogf

$$-\frac{x^2}{(x+1)(5x-1)(x-1)^2}$$

Sequence: A097139
Score: 16.7266
Type of gen. func.: lgdogf

$$-\frac{2(5x+3)(2x-1)}{(x-1)(5x-1)(x+1)}$$

Sequence: A097139
Score: 3.27534
Type of gen. func.: ogf

$$\{(-5 n - 15) a(n + 1) + (n - 2) a(n + 2) + (5 n + 11) a(n + 3) + (-n - 2) a(n + 4), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 6\}$$

Sequence: A097139
Score: 5.30551
Type of gen. func.: ogf

$$(4 f(x) - 1) (5 f(x) x^4 - 6 f(x) x^3 - 4 f(x) x^2 + 6 f(x) x + x^2 - f(x))$$

Sequence: A097140
Score: 13.0835
Type of gen. func.: ogf

$$- \frac{x (2 x + 1)}{(x - 1) (x + 1)^2}$$

Sequence: A097140
Score: 27.1018
Type of gen. func.: lgdogf

$$- \frac{4 x^2 + x + 1}{(x - 1) (2 x + 1) (x + 1)}$$

Sequence: A097140
Score: 6.71854
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) + a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 1\}$$

Sequence: A097140
Score: 6.71855
Type of gen. func.: ogf

$$-(f(x) + 1) (f(x) x^3 + f(x) x^2 - f(x) x + 2 x^2 - f(x) + x)$$

Sequence: A097141
Score: 15.0506
Type of gen. func.: ogf

$$\frac{x (2 x + 1)}{(x + 1)^2}$$

Sequence: A097141
Score: 25.8632
Type of gen. func.: revogf

$$- \frac{2 x - 1 + (1 + 4 x)^{1/2}}{2 (-2 + x)}$$

Sequence: A097141
Score: 47.4158
Type of gen. func.: lgdogf

$$- \frac{2 x}{(x + 1) (2 x + 1)}$$

Sequence: A097141
Score: 7.37477
Type of gen. func.: ogf

$$\{-a(n + 3) - 2 a(n + 2) - a(n + 1), a(0) = 0, a(1) = 1, a(2) = 0\}$$

Sequence: A097141
Score: 8.28627
Type of gen. func.: ogf

$$(2 f(x) + 1) (f(x) x^2 + 2 f(x) x - 2 x^2 + f(x) - x)$$

Sequence: A097162
Score: 6.51632
Type of gen. func.: lgdogf

$$-\frac{160x^7+220x^6-360x^5-61x^4+108x^3+16x^2-8x-3}{(x-1)(2x+1)(2x-1)(5x^2-1)(4x^3+5x^2-2x-1)}$$

Sequence: A097162
Score: 8.17070
Type of gen. func.: ogf

$$\frac{4x^3+5x^2-2x-1}{(2x-1)(2x+1)(x-1)(5x^2-1)}$$

Sequence: A097163
Score: 11.4767
Type of gen. func.: ogf

$$-\frac{x^2-x-1}{(2x-1)(2x+1)(x-1)}$$

Sequence: A097163
Score: 11.8313
Type of gen. func.: lgdogf

$$-\frac{4x^4-8x^3-7x^2+6x+2}{(x-1)(2x+1)(2x-1)(x^2-x-1)}$$

Sequence: A097163
Score: 5.88301
Type of gen. func.: ogf

$$-(124f(x)+135)(4f(x)x^3-4f(x)x^2-f(x)x+x^2+f(x)-x-1)$$

Sequence: A097163
Score: 6.25071
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - 4 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 2, a(2) = 5}

Sequence: A097164
Score: 12.9585
Type of gen. func.: ogf

$$\frac{3 x + 1}{(2 x - 1) (2 x + 1) (x - 1)}$$

Sequence: A097164
Score: 14.3205
Type of gen. func.: lgdogf

$$- \frac{4 (6 x^3 - 2 x - 1)}{(x - 1) (2 x + 1) (2 x - 1) (3 x + 1)}$$

Sequence: A097164
Score: 6.13212
Type of gen. func.: ogf

{-a(n + 3) + a(n + 2) + 4 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 4, a(2) = 8}

Sequence: A097164
Score: 6.41867
Type of gen. func.: ogf

$$-(3 f(x) + 7) (4 f(x) x^3 - 4 f(x) x^2 - f(x) x + f(x) - 3 x - 1)$$

Sequence: A097165
Score: 10.2209
Type of gen. func.: ogf

$$\frac{3 x - 1}{(x - 1) (4 x - 1) (5 x - 1)}$$

Sequence: A097165
Score: 4.93422

Type of gen. func.: ogf

$$\{-a(n + 3) + 10 a(n + 2) - 29 a(n + 1) + 20 a(n), a(0) = 1, a(1) = 7, a(2) = 41\}$$

Sequence: A097165
Score: 4.97713
Type of gen. func.: ogf

$$-(3141 f(x) - 680) (20 f(x) x^3 - 29 f(x) x^2 + 10 f(x) x - f(x) - 3 x + 1)$$

Sequence: A097166
Score: 11.3206
Type of gen. func.: revogf

$$-\frac{-1 - 11 x + ((3 x + 1) (27 x + 1))^{1/2}}{4 (5 x - 1)}$$

Sequence: A097166
Score: 11.8075
Type of gen. func.: ogf

$$\frac{2 x + 1}{(10 x - 1) (x - 1)}$$

Sequence: A097166
Score: 13.2534
Type of gen. func.: lgdogf

$$-\frac{20 x^2 + 20 x - 13}{(x - 1) (2 x + 1) (10 x - 1)}$$

Sequence: A097166
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 13\}$$

Sequence: A097166
Score: 7.75562
Type of gen. func.: ogf

$$(123 f(x) + 46) (10 f(x) x^2 - 11 f(x) x + f(x) - 2 x - 1)$$

Sequence: A097167
Score: 11.8075
Type of gen. func.: ogf

$$- \frac{7 x - 1}{(10 x - 1) (9 x - 1)}$$

Sequence: A097167
Score: 12.3498
Type of gen. func.: lgdogf

$$- \frac{6 (105 x^2 - 30 x + 2)}{(9 x - 1) (7 x - 1) (10 x - 1)}$$

Sequence: A097167
Score: 12.9378
Type of gen. func.: revogf

$$- \frac{-1 - 19 x + (x^2 + 10 x + 1)^{1/2}}{2 (7 + 90 x)}$$

Sequence: A097167
Score: 6.09837
Type of gen. func.: ogf

$$(169 f(x) + 407) (90 f(x) x^2 - 19 f(x) x + f(x) + 7 x - 1)$$

Sequence: A097167
Score: 6.52884

Type of gen. func.: ogf

$$\{-a(n+2) + 19\, a(n+1) - 90\, a(n),\ a(0) = 1,\ a(1) = 12\}$$

Sequence: A097168
Score: 4.66345
Type of gen. func.: ogf

$$\{-a(n+3) + 20\, a(n+2) - 109\, a(n+1) + 90\, a(n),\ a(0) = 1,\ a(1) = 13,\ a(2) = 151\}$$

Sequence: A097168
Score: 4.70298
Type of gen. func.: ogf

$$-(25081 f(x) + 1935) (90 f(x) x^3 - 109 f(x) x^2 + 20 f(x) x - f(x) - 7 x + 1)$$

Sequence: A097168
Score: 8.90803
Type of gen. func.: lgdogf

$$-\frac{1260 x^3 - 1033 x^2 + 218 x - 13}{(x - 1) (9 x - 1) (7 x - 1) (10 x - 1)}$$

Sequence: A097168
Score: 9.73598
Type of gen. func.: ogf

$$\frac{7 x - 1}{(x - 1) (9 x - 1) (10 x - 1)}$$

Sequence: A097169
Score: 7.03909
Type of gen. func.: ogf

$$\frac{18 x^3 + 10 x^2 - 3 x - 1}{(x - 1) (3 x - 1) (3 x + 1) (10 x^2 - 1)}$$

Sequence: A097175
Score: 6.70928
Type of gen. func.: ogf

$$\frac{48 x^3 + 17 x^2 - 4 x - 1}{(1 + 4 x) (4 x - 1) (x - 1) (17 x^2 - 1)}$$

Sequence: A097176
Score: 6.67533
Type of gen. func.: ogf

$$\frac{100 x^3 + 26 x^2 - 5 x - 1}{(x - 1) (5 x + 1) (5 x - 1) (26 x^2 - 1)}$$

Sequence: A097177
Score: 5.44070
Type of gen. func.: ogf

$$\frac{900 x^3 + 101 x^2 - 10 x - 1}{(10 x - 1) (10 x + 1) (x - 1) (101 x^2 - 1)}$$

Sequence: A097178
Score: 4.58638
Type of gen. func.: ogf

$$(10201 f(x) + 208554)$$

$$(10100 f(x) x^4 - 201 f(x) x^2 + 900 x^3 + 101 x^2 + f(x) - 10 x - 1)$$

Sequence: A097178
Score: 7.30199
Type of gen. func.: ogf

$$900 x^3 + 101 x^2 - 10 x - 1$$

$$-\frac{}{(10 x + 1) (10 x - 1) (101 x^2 - 1)}$$

Sequence: A097182
Score: 8.24002
Type of gen. func.: lgdogf

$$-\frac{112 x^6 - 384 x^5 + 560 x^4 - 448 x^3 + 210 x^2 - 56 x + 7}{(x - 1) (2 x^2 - 2 x + 1) (8 x^4 - 16 x^3 + 12 x^2 - 4 x + 1)}$$

Sequence: A097182
Score: 9.89440
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (2 x^2 - 2 x + 1) (8 x^4 - 16 x^3 + 12 x^2 - 4 x + 1)}$$

Sequence: A097183
Score: 31.1653
Type of gen. func.: lgdogf

$$-14 + (1 - 16 x) f(x)$$

Sequence: A097183
Score: 5.05741
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (30 + 16 n) a(n + 1), a(0) = 1, a(1) = 14\}$$

Sequence: A097184
Score: 12.5433
Type of gen. func.: revogf

$$-x (x - 1) (2 x^2 - 2 x + 1) (8 x^4 - 16 x^3 + 12 x^2 - 4 x + 1)$$

Sequence: A097184
Score: 6.02776
Type of gen. func.: ogf

$$\{(-16 n - 30) a(n + 1) + (n + 3) a(n + 2), a(0) = 1, a(1) = 7\}$$

Sequence: A097188
Score: 10.6816
Type of gen. func.: ogf

$$1 - f(x) + 3 f(x)^{2} x - 3 f(x)^{3} x^{2}$$

Sequence: A097188
Score: 41.2025
Type of gen. func.: revogf

$$x (3 x^{2} - 3 x + 1)$$

Sequence: A097188
Score: 6.00206
Type of gen. func.: ogf

$$\{(-9 n - 15) a(n + 1) + (n + 3) a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A097189
Score: 3.77644
Type of gen. func.: ogf

$$81 f(x)^{3} x^{3} - 99 f(x)^{3} x^{2} + 19 f(x)^{3} x + 81 f(x)^{2} x^{2} - f(x)^{3} - 18 f(x)^{2} x + f(x)^{2} + 27 f(x) x - 3 f(x) + 3$$

Sequence: A097191
Score: 6.00347
Type of gen. func.: lgdogf

$$- \frac{3 (1944 x^{7} - 5103 x^{6} + 5832 x^{5} - 3780 x^{4} + 1512 x^{3} - 378 x^{2} + 56 x - 4)}{(3 x^{2} - 3 x + 1) (243 x^{6} - 486 x^{5} + 405 x^{4} - 189 x^{3} + 54 x^{2} - 9 x + 1)}$$

Sequence: A097191
Score: 7.38067
Type of gen. func.: ogf

$$\frac{1}{(3 x^2 - 3 x + 1) (243 x^6 - 486 x^5 + 405 x^4 - 189 x^3 + 54 x^2 - 9 x + 1)}$$

Sequence: A097192
Score: 31.6401
Type of gen. func.: lgdogf

$$-24 + (1 - 27 x) f(x)$$

Sequence: A097192
Score: 5.13059
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (51 + 27 n) a(n + 1), a(0) = 1, a(1) = 24\}$$

Sequence: A097193
Score: 4.76782
Type of gen. func.: ogf

$$\{(-27 n - 51) a(n + 1) + (n + 3) a(n + 2), a(0) = 1, a(1) = 12\}$$

Sequence: A097193
Score: 8.04945
Type of gen. func.: revogf

$$x (3 x^2 - 3 x + 1) (243 x^6 - 486 x^5 + 405 x^4 - 189 x^3 + 54 x^2 - 9 x + 1)$$

Sequence: A097195
Score: 8.22745
Type of gen. func.: ogf_with_Euler_transform]

$$2 x^4 + x^2 + x + 2$$

```
- -------------------------
     5    4    3    2
   -x  - x  - x  - x  - x - 1
```

Sequence: A097196
Score: 13.3146
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^3+x^2+x}{x^4-x^3+x-1}$$

Sequence: A097197
Score: 14.1581
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^2+1}{x^4-x^3+x-1}$$

Sequence: A097228
Score: 5.24245
Type of gen. func.: ogf

$$-(1600x^9+1620x^8+380x^7+270x^6+120x^5+8x^4-138x^3-127x^2-38x-27)\Big/((x-1)(x+1)(x^2+1)(10x^4-1))$$

Sequence: A097280
Score: 12.5109
Type of gen. func.: lgdogf

$$-\frac{5x^4+6x^3-5x^2-10x+7}{(x-1)(x^2+x-1)(5x^2+3x-5)}$$

Sequence: A097280
Score: 13.7256

Type of gen. func.: ogf

$$-\frac{5 x^{2} + 3 x - 5}{(x^{2} + x - 1) (x - 1)}$$

Sequence: A097280
Score: 7.65741
Type of gen. func.: ogf

$$(14 f(x) - 85) (f(x) x^{3} - 2 f(x) x + 5 x^{2} + f(x) + 3 x - 5)$$

Sequence: A097280
Score: 7.73888
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 5, a(1) = 7, a(2) = 9\}$$

Sequence: A097297
Score: 27.5873
Type of gen. func.: lgdogf

$$-\frac{-37 + 30 x}{(x - 1) (5 x - 6)}$$

Sequence: A097297
Score: 4.48118
Type of gen. func.: ogf

$$\{(6 n + 18) a(n + 3) + (-59 - 11 n) a(n + 2) + (35 + 5 n) a(n + 1), a(0) = 6,$$
$$a(1) = 37, a(2) = 133\}$$

Sequence: A097297
Score: 7.90500
Type of gen. func.: ogf

$$\frac{5 x - 6}{(x - 1)^{7}}$$

Sequence: A097298
Score: 26.9375
Type of gen. func.: lgdogf

$$-\frac{-43 + 35 x}{(x - 1) (5 x - 6)}$$

Sequence: A097298
Score: 4.37606
Type of gen. func.: ogf

{(6 n + 18) a(n + 3) + (-65 - 11 n) a(n + 2) + (40 + 5 n) a(n + 1), a(0) = 6,

a(1) = 43, a(2) = 176}

Sequence: A097298
Score: 7.01063
Type of gen. func.: ogf

$$-\frac{5 x - 6}{(x - 1)^{8}}$$

Sequence: A097299
Score: 27.0731
Type of gen. func.: lgdogf

$$-\frac{-49 + 40 x}{(x - 1) (5 x - 6)}$$

Sequence: A097299
Score: 4.39679
Type of gen. func.: ogf

{(6 n + 18) a(n + 3) + (-71 - 11 n) a(n + 2) + (45 + 5 n) a(n + 1), a(0) = 6,

a(1) = 49, a(2) = 225}

Sequence: A097299
Score: 6.33299
Type of gen. func.: ogf

$$\frac{5 x - 6}{(x - 1)^{9}}$$

Sequence: A097300
Score: 25.8886
Type of gen. func.: lgdogf

$$- \frac{5 (-11 + 9 x)}{(x - 1) (5 x - 6)}$$

Sequence: A097300
Score: 4.37218
Type of gen. func.: ogf

{(6 n + 18) a(n + 3) + (-77 - 11 n) a(n + 2) + (50 + 5 n) a(n + 1), a(0) = 6,

a(1) = 55, a(2) = 280}

Sequence: A097300
Score: 5.53575
Type of gen. func.: ogf

$$- \frac{5 x - 6}{(x - 1)^{10}}$$

Sequence: A097308
Score: 14.8823
Type of gen. func.: ogf

$$- \frac{13 x - 1}{x^{2} - 26 x + 1}$$

Sequence: A097308
Score: 18.1028
Type of gen. func.: lgdogf

$$-\frac{13 x^{2} - 2 x + 13}{(13 x - 1) (x^{2} - 26 x + 1)}$$

Sequence: A097308
Score: 7.36284
Type of gen. func.: ogf

$$-(336 f(x) - 167) (f(x) x^{2} - 26 f(x) x + f(x) + 13 x - 1)$$

Sequence: A097308
Score: 8.32702
Type of gen. func.: ogf

$$\{a(n + 2) - 26 a(n + 1) + a(n), a(0) = 1, a(1) = 13\}$$

Sequence: A097309
Score: 12.0103
Type of gen. func.: revogf

$$-\frac{-26 x - 1 + (1 + 24 x)^{1/2} (28 x + 1)^{1/2}}{2 x}$$

Sequence: A097309
Score: 16.4993
Type of gen. func.: ogf

$$\frac{x}{x^{2} - 26 x + 1}$$

Sequence: A097309
Score: 25.1125
Type of gen. func.: lgdogf

$$-\frac{2 (x - 13)}{{}^{2}}$$

$$x - 26 x + 1$$

Sequence: A097309
Score: 6.84117
Type of gen. func.: ogf

$$\{a(n + 2) - 26 a(n + 1) + a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A097309
Score: 9.3496
Type of gen. func.: ogf

$$-f(x) x^2 + 26 f(x) x - f(x) + x$$

Sequence: A097310
Score: 15.1898
Type of gen. func.: ogf

$$-\frac{14 x - 1}{x^2 - 28 x + 1}$$

Sequence: A097310
Score: 19.5100
Type of gen. func.: lgdogf

$$-\frac{2 (7 x^2 - x + 7)}{(14 x - 1) (x^2 - 28 x + 1)}$$

Sequence: A097310
Score: 7.59491
Type of gen. func.: ogf

$$-(195 f(x) - 97) (f(x) x^2 - 28 f(x) x + f(x) + 14 x - 1)$$

Sequence: A097310

Score: 8.49906
Type of gen. func.: ogf

$$\{a(n+2) - 28\,a(n+1) + a(n),\ a(0) = 1,\ a(1) = 14\}$$

Sequence: A097311
Score: 12.2567
Type of gen. func.: revogf

$$-\frac{-28x - 1 + (26x+1)^{1/2}\,(30x+1)^{1/2}}{2x}$$

Sequence: A097311
Score: 16.8326
Type of gen. func.: ogf

$$\frac{x}{x^2 - 28x + 1}$$

Sequence: A097311
Score: 24.5134
Type of gen. func.: lgdogf

$$-\frac{2(-14 + x)}{x^2 - 28x + 1}$$

Sequence: A097311
Score: 6.97937
Type of gen. func.: ogf

$$\{a(n+2) - 28\,a(n+1) + a(n),\ a(0) = 0,\ a(1) = 1\}$$

Sequence: A097311
Score: 9.53848
Type of gen. func.: ogf

$$-f(x)\,x^2 + 28\,f(x)\,x - f(x) + x$$

Sequence: A097313
Score: 12.4415
Type of gen. func.: revogf

$$-\frac{-30 x - 1 + (28 x + 1)^{1/2} (32 x + 1)^{1/2}}{2 x}$$

Sequence: A097313
Score: 17.0826
Type of gen. func.: ogf

$$\frac{x}{x^2 - 30 x + 1}$$

Sequence: A097313
Score: 24.8830
Type of gen. func.: lgdogf

$$-\frac{2 (-15 + x)}{x^2 - 30 x + 1}$$

Sequence: A097313
Score: 7.08302
Type of gen. func.: ogf

$$\{a(n + 2) - 30 a(n + 1) + a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A097313
Score: 9.68015
Type of gen. func.: ogf

$$-f(x) x^2 + 30 f(x) x - f(x) + x$$

Sequence: A097314
Score: 10.5860

Type of gen. func.: ogf

$$\{-a(n + 2) + 38 a(n + 1) - a(n), a(0) = 1, a(1) = 39\}$$

Sequence: A097314
Score: 11.5708
Type of gen. func.: revogf

$$-\frac{-1 - 38 x + (1440 x^2 + 80 x + 1)^{1/2}}{2 (x - 1)}$$

Sequence: A097314
Score: 15.4277
Type of gen. func.: lgdogf

$$-\frac{x^2 + 2 x - 39}{(x + 1) (x^2 - 38 x + 1)}$$

Sequence: A097314
Score: 19.3309
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - 38 x + 1}$$

Sequence: A097314
Score: 9.88023
Type of gen. func.: ogf

$$(1480 f(x) + 41) (f(x) x^2 - 38 f(x) x + f(x) - x - 1)$$

Sequence: A097315
Score: 11.5708
Type of gen. func.: revogf

$$-1 - 38 x + (1440 x^2 + 72 x + 1)^{1/2}$$

$$- \frac{\quad}{2 (x + 1)}$$

Sequence: A097315
Score: 15.9098
Type of gen. func.: lgdogf

$$- \frac{x^2 - 2 x + 37}{(x - 1) (x^2 - 38 x + 1)}$$

Sequence: A097315
Score: 17.0909
Type of gen. func.: ogf

$$- \frac{x - 1}{x^2 - 38 x + 1}$$

Sequence: A097315
Score: 8.36363
Type of gen. func.: ogf

$$-(1404 f(x) - 35) (f(x) x^2 - 38 f(x) x + f(x) + x - 1)$$

Sequence: A097315
Score: 9.35930
Type of gen. func.: ogf

$$\{a(n + 2) - 38 a(n + 1) + a(n), a(0) = 1, a(1) = 37\}$$

Sequence: A097316
Score: 10.6710
Type of gen. func.: revogf

$$- \frac{-66 x - 1 + (68 x + 1)^{1/2} (64 x + 1)^{1/2}}{2 x}$$

Sequence: A097316
Score: 14.7477
Type of gen. func.: ogf

$$\frac{1}{x^2 - 66 x + 1}$$

Sequence: A097316
Score: 21.3420
Type of gen. func.: lgdogf

$$-\frac{2 (-33 + x)}{x^2 - 66 x + 1}$$

Sequence: A097316
Score: 5.89907
Type of gen. func.: ogf

$$(2177 f(x) + 1) (f(x) x^2 - 66 f(x) x + f(x) - 1)$$

Sequence: A097316
Score: 5.96930
Type of gen. func.: ogf

$$\{-a(n + 2) + 66 a(n + 1) - a(n), a(0) = 1, a(1) = 66\}$$

Sequence: A097321
Score: 18.4527
Type of gen. func.: lgdogf

$$-\frac{8 x^2 + 65 x + 35}{(x - 1) (4 x^2 + 19 x + 4)}$$

Sequence: A097321
Score: 5.81312
Type of gen. func.: ogf

$(78 f(x) + 6667)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 24 x^2 + f(x) - 114 x - 24)$$

Sequence: A097321
Score: 9.54266
Type of gen. func.: ogf

$$\frac{6 (4 x^2 + 19 x + 4)}{(x - 1)^4}$$

Sequence: A097325
Score: 12.7354
Type of gen. func.: ogf

$$- \frac{x (x^4 + x^3 + x^2 + x + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A097325
Score: 26.5719
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5 - x^4 + 1]$$

Sequence: A097325
Score: 9.38869
Type of gen. func.: lgdogf

$$- \frac{2 x^9 + 3 x^8 + 4 x^7 + 5 x^6 + 6 x^5 + 4 x^3 + 3 x^2 + 2 x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A097331
Score: 11.799
Type of gen. func.: ogf

$$-f(x)^2 x + 2 f(x) x + f(x) - 2 x - 1$$

Sequence: A097331
Score: 24.1522
Type of gen. func.: revogf

$$x/2 - 1/4 + \frac{(-4 x^2 + 4 x + 1)^{1/2}}{4}$$

Sequence: A097332
Score: 14.1427
Type of gen. func.: revogf

$$\frac{-1 + 2 x^2 + (-4 x^2 + 4 x + 1)^{1/2}}{2 (x^2 + x + 1)}$$

Sequence: A097332
Score: 6.56453
Type of gen. func.: ogf

$$f(x)^2 x^3 - 2 f(x)^2 x^2 + f(x)^2 x + f(x) x^2 - f(x) + x + 1$$

Sequence: A097333
Score: 17.4425
Type of gen. func.: ogf

$$-\frac{x + 1}{x^3 + x - 1}$$

Sequence: A097333
Score: 24.0613
Type of gen. func.: lgdogf

$$2 x^3 + 3 x^2 + 2$$

$$-\frac{}{(x+1)(x^3+x-1)}$$

Sequence: A097333
Score: 8.35012
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - a(n), a(0) = 1, a(1) = 2, a(2) = 2}

Sequence: A097333
Score: 9.02196
Type of gen. func.: ogf

$$(11 f(x) - 10) (f(x) x^3 + f(x) x - f(x) + x + 1)$$

Sequence: A097334
Score: 14.9178
Type of gen. func.: lgdogf

$$-\frac{16 x^3 + 12 x^2 + 3}{(2 x - 1) (2 x + 1) (2 x^2 + x + 1)}$$

Sequence: A097334
Score: 15.5573
Type of gen. func.: ogf

$$-\frac{2 x + 1}{(2 x - 1) (2 x^2 + x + 1)}$$

Sequence: A097334
Score: 7.44765
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - 4 a(n), a(0) = 1, a(1) = 3, a(2) = 3}

Sequence: A097334
Score: 8.23622
Type of gen. func.: ogf

$$(4 f(x) + 5) (4 f(x) x^3 + f(x) x - f(x) + 2 x + 1)$$

Sequence: A097335
Score: 15.4896
Type of gen. func.: ogf

$$-\frac{3 x + 1}{9 x^3 + x - 1}$$

Sequence: A097335
Score: 15.8968
Type of gen. func.: lgdogf

$$-\frac{(3 x + 2) (18 x^2 - 3 x + 2)}{(3 x + 1) (9 x^3 + x - 1)}$$

Sequence: A097335
Score: 7.41522
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 9 a(n), a(0) = 1, a(1) = 4, a(2) = 4\}$$

Sequence: A097335
Score: 8.20036
Type of gen. func.: ogf

$$(7 f(x) + 9) (9 f(x) x^3 + f(x) x - f(x) + 3 x + 1)$$

Sequence: A097336
Score: 13.7407
Type of gen. func.: ogf

$$-\frac{1 + 4 x}{}$$

$$16 x^3 + x - 1$$

Sequence: A097336
Score: 15.4760
Type of gen. func.: lgdogf

$$-\frac{128 x^3 + 48 x^2 + 5}{(1 + 4 x) (16 x^3 + x - 1)}$$

Sequence: A097336
Score: 6.65338
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 16 a(n), a(0) = 1, a(1) = 5, a(2) = 5\}$$

Sequence: A097336
Score: 7.18262
Type of gen. func.: ogf

$$(11 f(x) + 14) (16 f(x) x^3 + f(x) x - f(x) + 4 x + 1)$$

Sequence: A097339
Score: 7.50910
Type of gen. func.: ogf

$$\frac{x^4 + 11 x^3 - 8 x^2 + 3 x - 1}{(2 x - 1) (x - 1)^4}$$

Sequence: A097339
Score: 9.68508
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 50 x^4 - 19 x^3 - 9 x^2 - 3 x + 3}{(x - 1) (2 x - 1) (x^4 + 11 x^3 - 8 x^2 + 3 x - 1)}$$

Sequence: A097340
Score: 10.9486
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-24 x^{2} + 24 x - 24}{-x^{4} + 1}$$

Sequence: A097362
Score: 15.8070
Type of gen. func.: ogf

$$-\frac{2 x^{3} - 4 x - 1}{(x - 1)^{2} (x + 1)^{2}}$$

Sequence: A097362
Score: 18.8050
Type of gen. func.: lgdogf

$$-\frac{2 (x^{4} - 3 x^{2} - 2 x - 2)}{(x - 1) (x + 1) (2 x^{3} - 4 x - 1)}$$

Sequence: A097362
Score: 9.19384
Type of gen. func.: ogf

$$-(3 f(x) - 16) (f(x) x^{4} - 2 f(x) x^{2} + 2 x^{3} + f(x) - 4 x - 1)$$

Sequence: A097388
Score: 12.0884
Type of gen. func.: egf]

$$4 f(x)^{2} x + f(x)^{2} - 1$$

Sequence: A097388
Score: 55.5309
Type of gen. func.: lgdegf]

$$-\frac{2}{1 + 4 x}$$

Sequence: A097388
Score: 6.18155
Type of gen. func.: ogf

$$\{(-4 n - 6) a(n + 1) - a(n + 2), a(0) = 1, a(1) = -2\}$$

Sequence: A097388
Score: 79.3299
Type of gen. func.: revegf]

$$x (x + 1)$$

Sequence: A097399
Score: 10.5184
Type of gen. func.: lgdogf

$$\frac{11 x^{13} - 13 x^{12} + 12 x^{3} - 36 x^{2} - 32 x - 104}{(x - 1) (x^{13} + 12 x^{3} + 50 x^{2} - 68 x + 86)}$$

Sequence: A097399
Score: 11.0084
Type of gen. func.: ogf

$$\frac{x^{13} + 12 x^{3} + 50 x^{2} - 68 x + 86}{(x - 1)^{2}}$$

Sequence: A097401
Score: 12.1840
Type of gen. func.: lgdogf

$$-\frac{49 x^3 - 191 x^2 + 262 x - 132}{(x - 1) (49 x^3 - 169 x^2 + 200 x - 83)}$$

Sequence: A097401
Score: 4.74759
Type of gen. func.: ogf

$$-(2349 f(x) + 689854) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 196 x^3 - 4 f(x) x - 676 x^2 + f(x) + 800 x - 332)$$

Sequence: A097401
Score: 8.76908
Type of gen. func.: ogf

$$-\frac{4 (49 x^3 - 169 x^2 + 200 x - 83)}{(x - 1)^4}$$

Sequence: A097405
Score: 3.60166
Type of gen. func.: ogf

$$\frac{x^2 (256 x^7 + 880 x^6 - 360 x^5 - 706 x^4 + 113 x^3 + 149 x^2 - 9 x - 8)}{(x - 1) (4 x - 1) (2 x + 1) (2 x - 1) (1 + 4 x) (2 x^2 - 1) (8 x^2 - 1)}$$

Sequence: A097451
Score: 18.7777
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x}{x^4 - x^3 + x - 1}$$

Sequence: A097462

Score: 6.43040
Type of gen. func.: ogf

$$\frac{x^{12} \left(10 x^{9} + 9 x^{8} + 8 x^{7} + 7 x^{6} + 6 x^{5} + 5 x^{4} + 4 x^{3} + 3 x^{2} + 2 x + 1\right)}{(x - 1)^{2} \left(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1\right)^{2}}$$

Sequence: A097472
Score: 13.2984
Type of gen. func.: ogf

$$\frac{1}{(x - 1) \left(x^{3} + 3 x^{2} + 2 x - 1\right)}$$

Sequence: A097472
Score: 15.2045
Type of gen. func.: lgdogf

$$- \frac{(3 + 2 x) \left(2 x^{2} - 1\right)}{(x - 1) \left(x^{3} + 3 x^{2} + 2 x - 1\right)}$$

Sequence: A097472
Score: 5.47579
Type of gen. func.: ogf

$$(31 f(x) + 38) \left(f(x) x^{4} + 2 f(x) x^{3} - f(x) x^{2} - 3 f(x) x + f(x) - 1\right)$$

Sequence: A097481
Score: 6.30599
Type of gen. func.: ogf

$$2 \left(100 x^{22} - 219 x^{21} + 138 x^{20} - 19 x^{19} + 100 x^{12} - 210 x^{11} + 120 x^{10} - 10 x^{9} + 10 x^{2} - 21 x + 12\right) / (x - 1)^{2}$$

Sequence: A097482
Score: 11.4621
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 - 2x^2 - 1}{(x+1)(x-1)^2}$$

Sequence: A097482
Score: 14.9075
Type of gen. func.: lgdogf

$$\frac{x^5 - x^4 - x^3 + 5x^2 + 7x + 1}{(x-1)(x+1)(x^4 - x^3 - 2x^2 - 1)}$$

Sequence: A097482
Score: 5.81065
Type of gen. func.: ogf

$\{-a(n + 5) + a(n + 4) + a(n + 3) - a(n + 2), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 5, a(4) = 7\}$

Sequence: A097482
Score: 6.53698
Type of gen. func.: ogf

$$-(3 f(x) - 64) (f(x) x^3 + x^4 - f(x) x^2 - x^3 - f(x) x - 2 x^2 + f(x) - 1)$$

Sequence: A097488
Score: 4.14497
Type of gen. func.: ogf

$$(x^{26} - 2 x^{25} + x^{24} + 600 x^{23} - 1230 x^{22} + 603 x^{21} + 84 x^{20} - 57 x^{19} + 300 x^{12} - 630 x^{11} + 360 x^{10} - 30 x^9 + 30 x^2 - 63 x + 36) / (x - 1)^2$$

Sequence: A097512
Score: 13.6563
Type of gen. func.: ogf

$$-\frac{18 x - 11}{x^2 - 3 x + 1}$$

Sequence: A097512
Score: 14.6236
Type of gen. func.: revogf

$$-\frac{-11 - 3 x + (5 x^2 - 6 x + 121)^{1/2}}{2 (18 + x)}$$

Sequence: A097512
Score: 16.1234
Type of gen. func.: lgdogf

$$-\frac{18 x^2 - 22 x + 15}{(18 x - 11) (x^2 - 3 x + 1)}$$

Sequence: A097512
Score: 6.90156
Type of gen. func.: ogf

$$-(23 f(x) - 28) (f(x) x^2 - 3 f(x) x + f(x) + 18 x - 11)$$

Sequence: A097512
Score: 7.64102
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + a(n), a(0) = 11, a(1) = 15\}$$

Sequence: A097513
Score: 4.59865
Type of gen. func.: ogf

$$\frac{x^8 - x^7 + x^6 + x^4 + x^2 - x + 1}{(x^2 + 1)(x^2 - x + 1)(x^2 + x + 1)^2 (x + 1)^3 (x - 1)^6}$$

Sequence: A097514
Score: 71.5307
Type of gen. func.: lgdegf]

$$-x + \exp(x)$$

Sequence: A097535
Score: 9.75703
Type of gen. func.: ogf

$$(3 x^{21} + x^{18} + x^{15} + x^{13} + x^{12} + x^9 + x^6 + x^5 + x^3 + 1) \Big/ ((x + 1)(x^2 + 1)(x^4 + 1)(x^2 + x + 1)(x^2 - x + 1)(x^4 - x^2 + 1)(x^8 - x^4 + 1)(x - 1)^2)$$

Sequence: A097550
Score: 12.7098
Type of gen. func.: ogf

$$-\frac{x^2 + 1}{x^3 - 2 x^2 + 3 x - 1}$$

Sequence: A097550
Score: 18.7066
Type of gen. func.: lgdogf

$$-\frac{x^4 - 2 x + 3}{(x^2 + 1)(x^3 - 2 x^2 + 3 x - 1)}$$

Sequence: A097550
Score: 6.46836
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 3, a(2) = 8\}$$

Sequence: A097550
Score: 6.64638
Type of gen. func.: ogf

$$(29 f(x) - 22) (f(x) x^3 - 2 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 1)$$

Sequence: A097551
Score: 7.68268
Type of gen. func.: ogf

$$- \frac{(x^2 + 1)^2}{x^5 - 3 x^4 + 5 x^3 - 5 x^2 + 4 x - 1}$$

Sequence: A097551
Score: 8.70378
Type of gen. func.: lgdogf

$$- \frac{(x^4 + 2 x^3 + 3 x^2 + 2 x + 4) (x - 1)^2}{(x^2 + 1) (x^5 - 3 x^4 + 5 x^3 - 5 x^2 + 4 x - 1)}$$

Sequence: A097552
Score: 6.94410
Type of gen. func.: ogf

$$- \frac{(x^2 + 1)^3}{(x - 1) (x^4 - 3 x^3 + 4 x^2 - 4 x + 1)}$$

Sequence: A097552
Score: 7.85908
Type of gen. func.: lgdogf

$$x^6 - 8 x^5 + 16 x^4 - 16 x^3 + 4 x^2 + 10 x - 5$$

$$\frac{}{(x - 1) (x^2 + 1) (x^4 - 3 x^3 + 4 x^2 - 4 x + 1)}$$

Sequence: A097553
Score: 5.63991
Type of gen. func.: ogf

$$- \frac{(x^2 + 1)^4}{x^7 - 5 x^6 + 11 x^5 - 17 x^4 + 17 x^3 - 13 x^2 + 6 x - 1}$$

Sequence: A097554
Score: 5.33127
Type of gen. func.: ogf

$$- \frac{(x^2 + 1)^5}{x^7 - 6 x^6 + 15 x^5 - 24 x^4 + 25 x^3 - 18 x^2 + 7 x - 1}$$

Sequence: A097555
Score: 4.51881
Type of gen. func.: ogf

$$- \frac{(x^2 + 1)^6}{x^9 - 7 x^8 + 21 x^7 - 41 x^6 + 57 x^5 - 59 x^4 + 45 x^3 - 25 x^2 + 8 x - 1}$$

Sequence: A097564
Score: 10.4573
Type of gen. func.: ogf

$$- \frac{x (x^4 - x^3 + 2 x^2 + x + 1)}{x^6 + 2 x^3 - 1}$$

Sequence: A097564
Score: 8.81773
Type of gen. func.: lgdogf

$$-\frac{2x^9-3x^8+8x^7+3x^6+6x^5+4x^4+8x^3+3x^2+4x+1}{(x^6+2x^3-1)(x^4-x^3+2x^2+x+1)}$$

Sequence: A097575
Score: 10.0269
Type of gen. func.: ogf

$$-\frac{x^7+x^6+x^5+2x^3+x^2+x+1}{x^8+x^4-1}$$

Sequence: A097575
Score: 7.17735
Type of gen. func.: lgdogf

$$-(x^{14}+2x^{13}+3x^{12}+7x^{10}+4x^9+6x^8+8x^7+9x^6+8x^5+8x^4+4x^3+6x^2+2x+1) / ((x^7+x^6+x^5+2x^3+x^2+x+1)(x^8+x^4-1))$$

Sequence: A097578
Score: 12.4238
Type of gen. func.: ogf

$$\frac{4x^3+6x^2+6x+1}{(2x^2-1)^2}$$

Sequence: A097578
Score: 12.9999
Type of gen. func.: lgdogf

$$-\frac{2(4x^4+12x^3+24x^2+10x+3)}{(2x^2-1)(4x^3+6x^2+6x+1)}$$

Sequence: A097578
Score: 7.84023
Type of gen. func.: ogf

$$(32 f(x) - 57) (4 f(x) x^4 - 4 f(x) x^2 - 4 x^3 - 6 x^2 + f(x) - 6 x - 1)$$

Sequence: A097579
Score: 4.81193
Type of gen. func.: ogf

$$(252657 f(x) - 4145) (f(x) x^3 - 35 f(x) x^2 + 35 f(x) x + x^2 - f(x) - 7 x + 1)$$

Sequence: A097579
Score: 4.97644
Type of gen. func.: ogf

{-a(n + 3) + 35 a(n + 2) - 35 a(n + 1) + a(n), a(0) = 1, a(1) = 28, a(2) = 946}

Sequence: A097579
Score: 9.24197
Type of gen. func.: ogf

$$-\frac{x^2 - 7 x + 1}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A097579
Score: 9.51923
Type of gen. func.: lgdogf

$$-\frac{x^4 - 14 x^3 + 213 x^2 - 68 x + 28}{(x - 1) (x^2 - 34 x + 1) (x^2 - 7 x + 1)}$$

Sequence: A097581
Score: 11.7429
Type of gen. func.: lgdogf

$$-\frac{10 x^4 + 24 x^3 + 29 x^2 + 18 x + 4}{(x + 1) (2 x^2 - 1) (5 x^2 + 6 x + 2)}$$

Sequence: A097581
Score: 11.7923
Type of gen. func.: ogf

$$-\frac{5 x^2 + 6 x + 2}{(x + 1) (2 x^2 - 1)}$$

Sequence: A097581
Score: 6.36577
Type of gen. func.: ogf

$$(22 f(x) - 21) (2 f(x) x^3 + 2 f(x) x^2 - f(x) x + 5 x^2 - f(x) + 6 x + 2)$$

Sequence: A097581
Score: 6.42261
Type of gen. func.: ogf

$$\{a(n + 3) + a(n + 2) - 2 a(n + 1) - 2 a(n), a(0) = 2, a(1) = 4, a(2) = 5\}$$

Sequence: A097593
Score: 3.35239
Type of gen. func.: egf]

$$\{a(n) + (n + 1) a(n + 1) + (-2 n - 5) a(n + 2) + (n + 3) a(n + 3), a(0) = 0,$$
$$a(1) = 0, a(2) = 1/2, a(3) = 2/3\}$$

Sequence: A097594
Score: 9.04928
Type of gen. func.: lgdogf

```
                   2          4      3      2
                 (x  + 1) (3 x  + 2 x  + 9 x  + 6 x + 5)
               - ----------------------------------------
                       3    2              4    2
```

$$(3 x + x + 5 x + 2) (x + x - 1)$$

Sequence: A097594
Score: 9.13708
Type of gen. func.: ogf

$$-\frac{3 x^3 + x^2 + 5 x + 2}{x^4 + x^2 - 1}$$

Sequence: A097594
Score: 9.55954
Type of gen. func.: ogf

$$(34 f(x) + 23) (f(x) x^4 + f(x) x^2 + 3 x^3 + x^2 - f(x) + 5 x + 2)$$

Sequence: A097596
Score: 6.84528
Type of gen. func.: ogf

$$\frac{x^9 - x^7 + x^6 + x^5 - x + 1}{(x - 1) (x^2 + 1) (x^3 + x^2 + x - 1) (x^4 - x^2 + 1)}$$

Sequence: A097602
Score: 6.58933
Type of gen. func.: lgdogf

$$- (x^{18} + 7 x^{12} + 2 x^{11} + 2 x^{10} + 10 x^9 + 4 x^8 + 4 x^7 + 4 x^6 + 4 x^5 + 4 x^4 + 6 x^3 + 2 x^2 + 2 x + 2) / ((x - 1) (x^2 + x + 1) (x^6 + x^3 + 1) (x^{10} - x^9 + x^4 + 1))$$

Sequence: A097602
Score: 9.34577
Type of gen. func.: ogf

$$-\frac{x^{10}-x^{9}+x^{4}+1}{(x^{2}+x+1)\,(x^{6}+x^{3}+1)\,(x-1)^{3}}$$

Sequence: A097613
Score: 3.75316
Type of gen. func.: ogf

$$\{(4 n^{2} + 2 n) a(n) + (-9 n^{2} - 29 n - 18) a(n + 1) + (6 n^{2} + 34 n + 48) a(n + 2) + (-n^{2} - 7 n - 12) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 7\}$$

Sequence: A097613
Score: 7.33093
Type of gen. func.: ogf

$$-4 f(x)^{2} x^{2} + f(x)^{2} x + 4 f(x) x^{2} - 5 f(x) x - x^{2} + f(x) + 2 x - 1$$

Sequence: A097625
Score: 3.24873
Type of gen. func.: ogf

$$\{-8 a(n + 1) + (-2 n - 10) a(n + 2) + (-n - 3) a(n + 3) + a(n + 4), a(0) = -1, a(1) = 0, a(2) = 2, a(3) = -4\}$$

Sequence: A097632
Score: 12.3402
Type of gen. func.: egf]

$$-\frac{2 (1 + 4 x)}{4 x^{2} + 2 x - 1}$$

Sequence: A097632
Score: 14.3152
Type of gen. func.: lgdegf]

2

$$-\frac{2\,(8\,x + 4\,x + 3)}{(1 + 4\,x)\,(4\,x^{2} + 2\,x - 1)}$$

Sequence: A097632
Score: 6.03598
Type of gen. func.: egf]

$$-(25\,f(x) + 112)\,(4\,f(x)\,x^{2} + 2\,f(x)\,x - f(x) + 8\,x + 2)$$

Sequence: A097648
Score: 3.09757
Type of gen. func.: ogf

$$(7381\,f(x) - 126714840)\,(-11154440\,x^{3} - 1014040\,x^{2} + f(x) - 110440\,x - 10040)$$

Sequence: A097648
Score: 9.31442
Type of gen. func.: lgdogf

$$\frac{3333\,x^{2} + 202\,x + 11}{(11\,x + 1)\,(101\,x^{2} + 1)}$$

Sequence: A097657
Score: 13.2976
Type of gen. func.: ogf

$$-\frac{12\,x + 11}{x^{2} + x - 1}$$

Sequence: A097657
Score: 14.9085
Type of gen. func.: revogf

$$\frac{-11 - x + (5\,x^{2} + 70\,x + 121)^{1/2}}{2\,(12 + x)}$$

Sequence: A097657
Score: 16.5203
Type of gen. func.: lgdogf

$$-\frac{12 x^{2} + 22 x + 23}{(12 x + 11) (x^{2} + x - 1)}$$

Sequence: A097657
Score: 7.02231
Type of gen. func.: ogf

$$(45 f(x) + 34) (f(x) x^{2} + f(x) x - f(x) + 12 x + 11)$$

Sequence: A097657
Score: 7.44031
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 11, a(1) = 23\}$$

Sequence: A097658
Score: 3.71930
Type of gen. func.: ogf

$$\frac{3 x (x - 3)}{(x - 1)^{3}}$$

Sequence: A097658
Score: 9.23483
Type of gen. func.: lgdogf

$$-\frac{2 (-4 + x)}{(x - 1) (x - 3)}$$

Sequence: A097659

```
Score: 10.3545
Type of gen. func.: ogf


                              -1001 f(x) x + f(x) - 1



------------------------------------------------------------------------------

Sequence:  A097659
Score: 18.9834
Type of gen. func.: ogf


                                          1
                                    - ----------
                                      1001 x - 1



------------------------------------------------------------------------------

Sequence:  A097659
Score: 23.4742
Type of gen. func.: revegf]


                               1/1001 ln(1 + 1001 x)



------------------------------------------------------------------------------

Sequence:  A097659
Score: 26.2358
Type of gen. func.: lgdogf


                                         1001
                                    - ----------
                                      1001 x - 1



------------------------------------------------------------------------------

Sequence:  A097659
Score: 8.28365
Type of gen. func.: ogf


                          {a(n + 1) - 1001 a(n), a(0) = 1}



------------------------------------------------------------------------------

Sequence:  A097677
Score: 21.5462
Type of gen. func.: lgdegf]


                                          2
                                      3 (x  + 1)
                               - --------------------
                                           2
                                 (x - 1) (x  + x + 1)
```

Sequence: A097677
Score: 3.84016
Type of gen. func.: ogf

$$\{(-n^3 - 9 n^2 - 26 n - 24) a(n + 1) + a(n + 4) - 3 a(n + 3), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 33\}$$

Sequence: A097678
Score: 11.8199
Type of gen. func.: lgdegf]

$$9 x + 9 x^2 + (3 x^3 + 3 x^2 + 3 x - 3) f(x) + (x^3 - 1) f(x)^2$$

Sequence: A097678
Score: 3.75429
Type of gen. func.: ogf

$$\{(-n^3 - 9 n^2 - 26 n - 24) a(n + 1) + (-3 n - 9) a(n + 2) + a(n + 4), a(0) = 1, a(1) = 0, a(2) = 3, a(3) = 6\}$$

Sequence: A097679
Score: 18.6508
Type of gen. func.: lgdegf]

$$-4 + 4 x - 4 x^2 + (-x^3 + x^2 - x + 1) f(x)$$

Sequence: A097680
Score: 17.5338
Type of gen. func.: lgdegf]

$$- \frac{5 (x^4 + 1)}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A097681
Score: 5.00830

Type of gen. func.: lgdegf]

$$-216 + 216 x - 216 x^2 - 216 x^5 + (72 x^5 + 108 x^2 - 108 x + 108) f(x) + (-6 x^5 - 18 x^2 + 18 x - 18) f(x)^2 + (x^2 - x + 1) f(x)^3$$

Sequence: A097682
Score: 12.9555
Type of gen. func.: ogf

$$(8 f(x) x - f(x) + 1)^3$$

Sequence: A097693
Score: 12.9932
Type of gen. func.: lgdogf

$$- \frac{6 (2 x^3 - 9 x^2 + 17 x - 18)}{(x - 1) (12 x^3 - 45 x^2 + 64 x - 43)}$$

Sequence: A097693
Score: 4.67209
Type of gen. func.: ogf

$$(2349108 f(x) + 145059653) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 24 x^3 - 4 f(x) x - 90 x^2 + f(x) + 128 x - 86)$$

Sequence: A097693
Score: 8.88838
Type of gen. func.: ogf

$$- \frac{2 (12 x^3 - 45 x^2 + 64 x - 43)}{(x - 1)^4}$$

Sequence: A097696

Score: 5.12335
Type of gen. func.: ogf

$$(6656789529 f(x) + 82534104902294)$$

$$(-65 x^4 + f(x) x^2 - 1454 x^3 - 2 f(x) x - 1840 x^2 + f(x) + 5902 x - 7343)$$

Sequence: A097696
Score: 8.51503
Type of gen. func.: lgdogf

$$\frac{2 (65 x^4 + 597 x^3 - 2181 x^2 + 1111 x - 4392)}{(x - 1) (65 x^4 + 1454 x^3 + 1840 x^2 - 5902 x + 7343)}$$

Sequence: A097696
Score: 8.99712
Type of gen. func.: ogf

$$\frac{65 x^4 + 1454 x^3 + 1840 x^2 - 5902 x + 7343}{(x - 1)^2}$$

Sequence: A097701
Score: 17.7054
Type of gen. func.: lgdogf

$$- \frac{9 x^3 + 11 x^2 + 8 x + 2}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A097701
Score: 26.6198
Type of gen. func.: egf]_with_Euler_transform]

$$\frac{(x + 2)^2}{2}$$

Sequence: A097701
Score: 9.13599
Type of gen. func.: ogf

$$-\frac{1}{(x^2+x+1)(x+1)^2(x-1)^5}$$

Sequence: A097705
Score: 15.1451
Type of gen. func.: revogf

$$\frac{-4x-1+(84x^2+8x+1)^{1/2}}{34x}$$

Sequence: A097705
Score: 16.3884
Type of gen. func.: ogf

$$-\frac{1}{17x^2+4x-1}$$

Sequence: A097705
Score: 20.9701
Type of gen. func.: lgdogf

$$-\frac{2(2+17x)}{17x^2+4x-1}$$

Sequence: A097705
Score: 6.33189
Type of gen. func.: ogf

$$-(25f(x)-17)(17f(x)x^2+4f(x)x-f(x)+1)$$

Sequence: A097705
Score: 6.71333

Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 17 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A097723
Score: 15.2137
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{4 x^2 + 2 x + 2}{-x^3 - x^2 - x - 1}$$

Sequence: A097725
Score: 13.2087
Type of gen. func.: revogf

$$- \frac{-102 x - 1 + (100 x + 1)^{1/2} (104 x + 1)^{1/2}}{2 x}$$

Sequence: A097725
Score: 18.8016
Type of gen. func.: ogf

$$\frac{1}{x^2 - 102 x + 1}$$

Sequence: A097725
Score: 26.9677
Type of gen. func.: lgdogf

$$- \frac{2 (-51 + x)}{x^2 - 102 x + 1}$$

Sequence: A097725
Score: 7.65181
Type of gen. func.: ogf

$$\{-a(n + 2) + 102 a(n + 1) - a(n), a(0) = 1, a(1) = 102\}$$

Sequence: A097725
Score: 7.65182
Type of gen. func.: ogf

$$(5201 f(x) + 1) (f(x) x^2 - 102 f(x) x + f(x) - 1)$$

Sequence: A097726
Score: 11.0046
Type of gen. func.: lgdogf

$$- \frac{x^2 + 2 x - 103}{(x + 1) (x^2 - 102 x + 1)}$$

Sequence: A097726
Score: 14.0012
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - 102 x + 1}$$

Sequence: A097726
Score: 7.07587
Type of gen. func.: ogf

$$(10504 f(x) + 105) (f(x) x^2 - 102 f(x) x + f(x) - x - 1)$$

Sequence: A097726
Score: 7.65181
Type of gen. func.: ogf

$$\{-a(n + 2) + 102 a(n + 1) - a(n), a(0) = 1, a(1) = 103\}$$

Sequence: A097726

Score: 8.19492
Type of gen. func.: revogf

$$-\frac{-1 - 102 x + (10400 x^2 + 208 x + 1)^{1/2}}{2 (x - 1)}$$

Sequence: A097727
Score: 13.7707
Type of gen. func.: revogf

$$-\frac{-1 - 102 x + (10400 x^2 + 200 x + 1)^{1/2}}{2 (x + 1)}$$

Sequence: A097727
Score: 14.0012
Type of gen. func.: ogf

$$-\frac{x - 1}{x^2 - 102 x + 1}$$

Sequence: A097727
Score: 18.4921
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x + 101}{(x - 1) (x^2 - 102 x + 1)}$$

Sequence: A097727
Score: 6.85475
Type of gen. func.: ogf

$$-(10300 f(x) - 99) (f(x) x^2 - 102 f(x) x + f(x) + x - 1)$$

Sequence: A097727
Score: 7.65181
Type of gen. func.: ogf

{a(n + 2) - 102 a(n + 1) + a(n), a(0) = 1, a(1) = 101}

Sequence: A097728
Score: 11.6436
Type of gen. func.: ogf

$$\frac{1}{x^2 - 146 x + 1}$$

Sequence: A097728
Score: 17.2863
Type of gen. func.: lgdogf

$$-\frac{2 (x - 73)}{x^2 - 146 x + 1}$$

Sequence: A097728
Score: 4.68419
Type of gen. func.: ogf

$$(10657 f(x) + 1) (f(x) x^2 - 146 f(x) x + f(x) - 1)$$

Sequence: A097728
Score: 4.73866
Type of gen. func.: ogf

{-a(n + 2) + 146 a(n + 1) - a(n), a(0) = 1, a(1) = 146}

Sequence: A097728
Score: 8.11399
Type of gen. func.: revogf

$$-\frac{-146 x - 1 + (148 x + 1)^{1/2} (144 x + 1)^{1/2}}{2 x}$$

Sequence: A097729
Score: 12.1846
Type of gen. func.: revogf

$$-\frac{-1 - 146\,x + (21312\,x^{2} + 296\,x + 1)^{1/2}}{2\,(x - 1)}$$

Sequence: A097729
Score: 14.5774
Type of gen. func.: ogf

$$\frac{x + 1}{x^{2} - 146\,x + 1}$$

Sequence: A097729
Score: 16.3622
Type of gen. func.: lgdogf

$$-\frac{x^{2} + 2\,x - 147}{(x + 1)\,(x^{2} - 146\,x + 1)}$$

Sequence: A097729
Score: 7.36706
Type of gen. func.: ogf

$$(21460\,f(x) + 149)\,(f(x)\,x^{2} - 146\,f(x)\,x + f(x) - x - 1)$$

Sequence: A097729
Score: 7.96671
Type of gen. func.: ogf

$$\{-a(n + 2) + 146\,a(n + 1) - a(n),\ a(0) = 1,\ a(1) = 147\}$$

Sequence: A097730
Score: 11.3596
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2x + 145}{(x - 1)(x^2 - 146x + 1)}$$

Sequence: A097730
Score: 4.73866
Type of gen. func.: ogf

$$\{a(n + 2) - 146 a(n + 1) + a(n), a(0) = 1, a(1) = 145\}$$

Sequence: A097730
Score: 6.0127
Type of gen. func.: ogf

$$-(21168 f(x) - 143) (f(x) x^2 - 146 f(x) x + f(x) + x - 1)$$

Sequence: A097730
Score: 8.45927
Type of gen. func.: revogf

$$-\frac{-1 - 146x + (21312x^2 + 288x + 1)^{1/2}}{2(x + 1)}$$

Sequence: A097730
Score: 8.67074
Type of gen. func.: ogf

$$-\frac{x - 1}{x^2 - 146x + 1}$$

Sequence: A097731
Score: 12.2825
Type of gen. func.: ogf

$$\frac{1}{\;\;\;\;\;\;^{2}}$$

$$x - 198 x + 1$$

Sequence: A097731
Score: 17.4979
Type of gen. func.: lgdogf

$$-\frac{2 (-99 + x)}{x^2 - 198 x + 1}$$

Sequence: A097731
Score: 4.94125
Type of gen. func.: ogf

$$(19601 f(x) + 1) (f(x) x^2 - 198 f(x) x + f(x) - 1)$$

Sequence: A097731
Score: 4.99871
Type of gen. func.: ogf

$$\{-a(n + 2) + 198 a(n + 1) - a(n), a(0) = 1, a(1) = 198\}$$

Sequence: A097731
Score: 8.57040
Type of gen. func.: revogf

$$-\frac{-198 x - 1 + (196 x + 1)^{1/2} (200 x + 1)^{1/2}}{2 x}$$

Sequence: A097732
Score: 11.9986
Type of gen. func.: lgdogf

$$-\frac{x^2 + 2 x - 199}{(x + 1) (x^2 - 198 x + 1)}$$

Sequence: A097732
Score: 13.0830
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - 198 x + 1}$$

Sequence: A097732
Score: 6.61183
Type of gen. func.: ogf

$$(39400 f(x) + 201) (f(x) x^2 - 198 f(x) x + f(x) - x - 1)$$

Sequence: A097732
Score: 7.15001
Type of gen. func.: ogf

$$\{-a(n + 2) + 198 a(n + 1) - a(n), a(0) = 1, a(1) = 199\}$$

Sequence: A097732
Score: 8.93510
Type of gen. func.: revogf

$$- \frac{-1 - 198 x + (39200 x^2 + 400 x + 1)^{1/2}}{2 (x - 1)}$$

Sequence: A097733
Score: 12.3515
Type of gen. func.: lgdogf

$$- \frac{x^2 - 2 x + 197}{(x - 1) (x^2 - 198 x + 1)}$$

Sequence: A097733
Score: 4.43184
Type of gen. func.: ogf

$$-(39004 f(x) - 195) (f(x) x^2 - 198 f(x) x + f(x) + x - 1)$$

Sequence: A097733
Score: 4.99871
Type of gen. func.: ogf

$$\{a(n + 2) - 198 a(n + 1) + a(n), a(0) = 1, a(1) = 197\}$$

Sequence: A097733
Score: 8.93510
Type of gen. func.: revogf

$$-\frac{-1 - 198 x + (39200 x^2 + 392 x + 1)^{1/2}}{2 (x + 1)}$$

Sequence: A097733
Score: 9.14657
Type of gen. func.: ogf

$$-\frac{x - 1}{x^2 - 198 x + 1}$$

Sequence: A097734
Score: 12.8505
Type of gen. func.: ogf

$$\frac{1}{x^2 - 258 x + 1}$$

Sequence: A097734
Score: 17.5932
Type of gen. func.: lgdogf

$$-\frac{2 (-129 + x)}{x^2 - 258 x + 1}$$

Sequence: A097734
Score: 5.16975
Type of gen. func.: ogf

$$(33281 f(x) + 1) (f(x) x^2 - 258 f(x) x + f(x) - 1)$$

Sequence: A097734
Score: 5.22987
Type of gen. func.: ogf

$$\{-a(n + 2) + 258 a(n + 1) - a(n), a(0) = 1, a(1) = 258\}$$

Sequence: A097734
Score: 8.97610
Type of gen. func.: revogf

$$- \frac{-258 x - 1 + (256 x + 1)^{1/2} (260 x + 1)^{1/2}}{2 x}$$

Sequence: A097735
Score: 12.5665
Type of gen. func.: lgdogf

$$- \frac{x^2 + 2 x - 259}{(x + 1) (x^2 - 258 x + 1)}$$

Sequence: A097735
Score: 13.7007
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - 258 x + 1}$$

Sequence: A097735

Score: 6.92398
Type of gen. func.: ogf

$$(66820 f(x) + 261) (f(x) x^2 - 258 f(x) x + f(x) - x - 1)$$

Sequence: A097735
Score: 7.48757
Type of gen. func.: ogf

$$\{-a(n + 2) + 258 a(n + 1) - a(n), a(0) = 1, a(1) = 259\}$$

Sequence: A097735
Score: 9.35807
Type of gen. func.: revogf

$$- \frac{-1 - 258 x + (66560 x^2 + 520 x + 1)^{1/2}}{2 (x - 1)}$$

Sequence: A097736
Score: 12.9361
Type of gen. func.: lgdogf

$$- \frac{x^2 - 2 x + 257}{(x - 1) (x^2 - 258 x + 1)}$$

Sequence: A097736
Score: 5.22987
Type of gen. func.: ogf

$$\{a(n + 2) - 258 a(n + 1) + a(n), a(0) = 1, a(1) = 257\}$$

Sequence: A097736
Score: 6.63845
Type of gen. func.: ogf

$$-(66304 f(x) - 255) (f(x) x^2 - 258 f(x) x + f(x) + x - 1)$$

Sequence: A097736
Score: 9.35807
Type of gen. func.: revogf

$$-\frac{-1 - 258 x + (66560 x^{2} + 512 x + 1)^{1/2}}{2 (x + 1)}$$

Sequence: A097736
Score: 9.56955
Type of gen. func.: ogf

$$-\frac{x - 1}{x^{2} - 258 x + 1}$$

Sequence: A097737
Score: 13.4185
Type of gen. func.: ogf

$$\frac{1}{x^{2} - 326 x + 1}$$

Sequence: A097737
Score: 18.3883
Type of gen. func.: lgdogf

$$-\frac{2 (-163 + x)}{x^{2} - 326 x + 1}$$

Sequence: A097737
Score: 5.39825
Type of gen. func.: ogf

$$(53137 f(x) + 1) (f(x) x^{2} - 326 f(x) x + f(x) - 1)$$

Sequence: A097737
Score: 5.46102
Type of gen. func.: ogf

$$\{-a(n + 2) + 326 a(n + 1) - a(n), a(0) = 1, a(1) = 326\}$$

Sequence: A097737
Score: 9.38180
Type of gen. func.: revogf

$$-\frac{-326 x - 1 + (328 x + 1)^{1/2} (324 x + 1)^{1/2}}{2 x}$$

Sequence: A097738
Score: 12.0607
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - 326 x + 1}$$

Sequence: A097738
Score: 13.1345
Type of gen. func.: lgdogf

$$-\frac{x^2 + 2 x - 327}{(x + 1) (x^2 - 326 x + 1)}$$

Sequence: A097738
Score: 6.03036
Type of gen. func.: ogf

$$(106600 f(x) + 329) (f(x) x^2 - 326 f(x) x + f(x) - x - 1)$$

Sequence: A097738
Score: 6.59133
Type of gen. func.: ogf

$$\{-a(n+2)+326\,a(n+1)-a(n),\ a(0)=1,\ a(1)=327\}$$

Sequence: A097738
Score: 9.57726
Type of gen. func.: revogf

$$-\frac{-1-326\,x+(106272\,x^2+656\,x+1)^{1/2}}{2\,(x-1)}$$

Sequence: A097739
Score: 13.5208
Type of gen. func.: lgdogf

$$-\frac{x^2-2\,x+325}{(x-1)\,(x^2-326\,x+1)}$$

Sequence: A097739
Score: 5.46102
Type of gen. func.: ogf

$$\{a(n+2)-326\,a(n+1)+a(n),\ a(0)=1,\ a(1)=325\}$$

Sequence: A097739
Score: 6.86693
Type of gen. func.: ogf

$$-(105948\,f(x)-323)\,(f(x)\,x^2-326\,f(x)\,x+f(x)+x-1)$$

Sequence: A097739
Score: 9.57726
Type of gen. func.: revogf

$$-\frac{-1-326\,x+(106272\,x^2+648\,x+1)^{1/2}}{2\,(x+1)}$$

Sequence: A097739
Score: 9.99251
Type of gen. func.: ogf

$$-\frac{x-1}{x^2-326x+1}$$

Sequence: A097740
Score: 13.7735
Type of gen. func.: ogf

$$\frac{1}{x^2-402x+1}$$

Sequence: A097740
Score: 18.8853
Type of gen. func.: lgdogf

$$-\frac{2(-201+x)}{x^2-402x+1}$$

Sequence: A097740
Score: 5.54106
Type of gen. func.: ogf

$$(80801 f(x) + 1) (f(x) x^2 - 402 f(x) x + f(x) - 1)$$

Sequence: A097740
Score: 5.60550
Type of gen. func.: ogf

$$\{-a(n + 2) + 402 a(n + 1) - a(n), a(0) = 1, a(1) = 402\}$$

Sequence: A097740
Score: 9.63537
Type of gen. func.: revogf

$$-\frac{-402 x - 1 + (404 x + 1)^{1/2} (400 x + 1)^{1/2}}{2 x}$$

Sequence: A097741
Score: 12.3882
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - 402 x + 1}$$

Sequence: A097741
Score: 13.4895
Type of gen. func.: lgdogf

$$-\frac{x^2 + 2 x - 403}{(x + 1) (x^2 - 402 x + 1)}$$

Sequence: A097741
Score: 6.19408
Type of gen. func.: ogf

$$(162004 f(x) + 405) (f(x) x^2 - 402 f(x) x + f(x) - x - 1)$$

Sequence: A097741
Score: 6.77028
Type of gen. func.: ogf

$$\{-a(n + 2) + 402 a(n + 1) - a(n), a(0) = 1, a(1) = 403\}$$

Sequence: A097741
Score: 9.83610
Type of gen. func.: revogf

$$-\frac{-1 - 402 x + (161600 x^2 + 808 x + 1)^{1/2}}{2 (x - 1)}$$

Sequence: A097742
Score: 10.2569
Type of gen. func.: ogf

$$-\frac{x - 1}{x^{2} - 402 x + 1}$$

Sequence: A097742
Score: 13.8863
Type of gen. func.: lgdogf

$$-\frac{x^{2} - 2 x + 401}{(x - 1) (x^{2} - 402 x + 1)}$$

Sequence: A097742
Score: 5.60550
Type of gen. func.: ogf

$$\{a(n + 2) - 402 a(n + 1) + a(n), a(0) = 1, a(1) = 401\}$$

Sequence: A097742
Score: 7.05544
Type of gen. func.: ogf

$$-(161200 f(x) - 399) (f(x) x^{2} - 402 f(x) x + f(x) + x - 1)$$

Sequence: A097742
Score: 9.83610
Type of gen. func.: revogf

$$-\frac{-1 - 402 x + (161600 x^{2} + 800 x + 1)^{1/2}}{2 (x + 1)}$$

Sequence: A097765

Score: 14.1285
Type of gen. func.: ogf

$$\frac{1}{x^2 - 486 x + 1}$$

Sequence: A097765
Score: 19.3823
Type of gen. func.: lgdogf

$$-\frac{2 (-243 + x)}{x^2 - 486 x + 1}$$

Sequence: A097765
Score: 5.61928
Type of gen. func.: ogf

$$(118097 f(x) + 1) (f(x) x^2 - 486 f(x) x + f(x) - 1)$$

Sequence: A097765
Score: 5.74997
Type of gen. func.: ogf

$$\{-a(n + 2) + 486 a(n + 1) - a(n), a(0) = 1, a(1) = 486\}$$

Sequence: A097765
Score: 9.88893
Type of gen. func.: revogf

$$-\frac{-486 x - 1 + (484 x + 1)^{1/2} (488 x + 1)^{1/2}}{2 x}$$

Sequence: A097766
Score: 10.0949
Type of gen. func.: revogf

$$-1 - 486 x + (236192 x^2 + 976 x + 1)^{1/2}$$

$$-\frac{\qquad}{2\,(x - 1)}$$

Sequence: A097766
Score: 12.7156
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - 486\,x + 1}$$

Sequence: A097766
Score: 13.8445
Type of gen. func.: lgdogf

$$-\frac{x^2 + 2\,x - 487}{(x + 1)\,(x^2 - 486\,x + 1)}$$

Sequence: A097766
Score: 6.3578
Type of gen. func.: ogf

$$(236680\,f(x) + 489)\,(f(x)\,x^2 - 486\,f(x)\,x + f(x) - x - 1)$$

Sequence: A097766
Score: 6.94922
Type of gen. func.: ogf

$$\{-a(n + 2) + 486\,a(n + 1) - a(n),\ a(0) = 1,\ a(1) = 487\}$$

Sequence: A097767
Score: 10.0949
Type of gen. func.: revogf

$$-\frac{-1 - 486\,x + (236192\,x^2 + 968\,x + 1)^{1/2}}{2\,(x + 1)}$$

Sequence: A097767
Score: 10.5212
Type of gen. func.: ogf

$$-\frac{x - 1}{x^2 - 486 x + 1}$$

Sequence: A097767
Score: 14.2517
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x + 485}{(x - 1) (x^2 - 486 x + 1)}$$

Sequence: A097767
Score: 5.04588
Type of gen. func.: ogf

$$-(235708 f(x) - 483) (f(x) x^2 - 486 f(x) x + f(x) + x - 1)$$

Sequence: A097767
Score: 5.74997
Type of gen. func.: ogf

$$\{a(n + 2) - 486 a(n + 1) + a(n), a(0) = 1, a(1) = 485\}$$

Sequence: A097768
Score: 10.1425
Type of gen. func.: revogf

$$-\frac{-578 x - 1 + (576 x + 1)^{1/2} (580 x + 1)^{1/2}}{2 x}$$

Sequence: A097768
Score: 14.4835
Type of gen. func.: ogf

$$\frac{1}{x^2 - 578 x + 1}$$

Sequence: A097768
Score: 19.8793
Type of gen. func.: lgdogf

$$-\frac{2 (-289 + x)}{x^2 - 578 x + 1}$$

Sequence: A097768
Score: 5.76047
Type of gen. func.: ogf

$$(167041 f(x) + 1) (f(x) x^2 - 578 f(x) x + f(x) - 1)$$

Sequence: A097768
Score: 5.89444
Type of gen. func.: ogf

$$\{-a(n + 2) + 578 a(n + 1) - a(n), a(0) = 1, a(1) = 578\}$$

Sequence: A097769
Score: 10.1425
Type of gen. func.: revogf

$$-\frac{-1 - 578 x + (334080 x^2 + 1160 x + 1)^{1/2}}{2 (x - 1)}$$

Sequence: A097769
Score: 10.7856
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - 578 x + 1}$$

Sequence: A097769
Score: 14.1995
Type of gen. func.: lgdogf

$$-\frac{x^2 + 2x - 579}{(x+1)(x^2 - 578x + 1)}$$

Sequence: A097769
Score: 5.39278
Type of gen. func.: ogf

$$(334660 f(x) + 581) (f(x) x^2 - 578 f(x) x + f(x) - x - 1)$$

Sequence: A097769
Score: 5.89444
Type of gen. func.: ogf

$$\{-a(n + 2) + 578 a(n + 1) - a(n), a(0) = 1, a(1) = 579\}$$

Sequence: A097770
Score: 10.1425
Type of gen. func.: revogf

$$-\frac{-1 - 578x + (334080x^2 + 1152x + 1)^{1/2}}{2(x+1)}$$

Sequence: A097770
Score: 10.7856
Type of gen. func.: ogf

$$-\frac{x - 1}{x^2 - 578x + 1}$$

Sequence: A097770
Score: 14.6171
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x + 577}{(x - 1) (x^2 - 578 x + 1)}$$

Sequence: A097770
Score: 5.17266
Type of gen. func.: ogf

$$-(333504 f(x) - 575) (f(x) x^2 - 578 f(x) x + f(x) + x - 1)$$

Sequence: A097770
Score: 5.89444
Type of gen. func.: ogf

$$\{a(n + 2) - 578 a(n + 1) + a(n), a(0) = 1, a(1) = 577\}$$

Sequence: A097771
Score: 11.9895
Type of gen. func.: ogf

$$\frac{1}{x^2 - 678 x + 1}$$

Sequence: A097771
Score: 16.4016
Type of gen. func.: lgdogf

$$-\frac{2 (-339 + x)}{x^2 - 678 x + 1}$$

Sequence: A097771
Score: 4.76854
Type of gen. func.: ogf

$$(229841 f(x) + 1) (f(x) x^2 - 678 f(x) x + f(x) - 1)$$

Sequence: A097771
Score: 4.87944
Type of gen. func.: ogf

$$\{-a(n + 2) + 678 a(n + 1) - a(n), a(0) = 1, a(1) = 678\}$$

Sequence: A097771
Score: 8.36818
Type of gen. func.: revogf

$$- \frac{-1 - 678 x + (676 x + 1)^{1/2} (680 x + 1)^{1/2}}{2 x}$$

Sequence: A097772
Score: 10.9970
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - 678 x + 1}$$

Sequence: A097772
Score: 11.7155
Type of gen. func.: lgdogf

$$- \frac{x^2 + 2 x - 679}{(x + 1) (x^2 - 678 x + 1)}$$

Sequence: A097772
Score: 5.49852
Type of gen. func.: ogf

$$(460360 f(x) + 681) (f(x) x^2 - 678 f(x) x + f(x) - x - 1)$$

Sequence: A097772
Score: 6.01001
Type of gen. func.: ogf

$$\{-a(n+2)+678\,a(n+1)-a(n),\ a(0)=1,\ a(1)=679\}$$

Sequence: A097772
Score: 8.36818
Type of gen. func.: revogf

$$-\frac{-1-678\,x+(459680\,x^{2}+1360\,x+1)^{1/2}}{2\,(x-1)}$$

Sequence: A097773
Score: 12.0600
Type of gen. func.: lgdogf

$$-\frac{x^{2}-2\,x+677}{(x-1)\,(x^{2}-678\,x+1)}$$

Sequence: A097773
Score: 4.87944
Type of gen. func.: ogf

$$\{a(n+2)-678\,a(n+1)+a(n),\ a(0)=1,\ a(1)=677\}$$

Sequence: A097773
Score: 5.27409
Type of gen. func.: ogf

$$-(459004\,f(x)-675)\,(f(x)\,x^{2}-678\,f(x)\,x+f(x)+x-1)$$

Sequence: A097773
Score: 8.36818
Type of gen. func.: revogf

2 1/2

$$-\frac{-1 - 678 x + (459680 x^2 + 1352 x + 1)}{2 (x + 1)}$$

Sequence: A097773
Score: 8.92834
Type of gen. func.: ogf

$$-\frac{x - 1}{x^2 - 678 x + 1}$$

Sequence: A097774
Score: 12.2635
Type of gen. func.: ogf

$$\frac{1}{x^2 - 786 x + 1}$$

Sequence: A097774
Score: 16.7853
Type of gen. func.: lgdogf

$$-\frac{2 (-393 + x)}{x^2 - 786 x + 1}$$

Sequence: A097774
Score: 4.87754
Type of gen. func.: ogf

$$(308897 f(x) + 1) (f(x) x^2 - 786 f(x) x + f(x) - 1)$$

Sequence: A097774
Score: 4.99098
Type of gen. func.: ogf

$$\{-a(n + 2) + 786 a(n + 1) - a(n), a(0) = 1, a(1) = 786\}$$

Sequence: A097774
Score: 8.56393
Type of gen. func.: revogf

$$-\frac{-1 - 786 x + (788 x + 1)^{1/2} (784 x + 1)^{1/2}}{2 x}$$

Sequence: A097775
Score: 11.9895
Type of gen. func.: lgdogf

$$-\frac{x^2 + 2 x - 787}{(x + 1) (x^2 - 786 x + 1)}$$

Sequence: A097775
Score: 13.5342
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - 786 x + 1}$$

Sequence: A097775
Score: 6.7671
Type of gen. func.: ogf

$$(618580 f(x) + 789) (f(x) x^2 - 786 f(x) x + f(x) - x - 1)$$

Sequence: A097775
Score: 7.39660
Type of gen. func.: ogf

$$\{-a(n + 2) + 786 a(n + 1) - a(n), a(0) = 1, a(1) = 787\}$$

Sequence: A097775
Score: 8.56393
Type of gen. func.: revogf

$$-\frac{-1 - 786 x + (617792 x^{2} + 1576 x + 1)^{1/2}}{2 (x - 1)}$$

Sequence: A097776
Score: 12.3421
Type of gen. func.: lgdogf

$$-\frac{x^{2} - 2 x + 785}{(x - 1) (x^{2} - 786 x + 1)}$$

Sequence: A097776
Score: 4.37983
Type of gen. func.: ogf

$$-(617008 f(x) - 783) (f(x) x^{2} - 786 f(x) x + f(x) + x - 1)$$

Sequence: A097776
Score: 4.99098
Type of gen. func.: ogf

$$\{a(n + 2) - 786 a(n + 1) + a(n), a(0) = 1, a(1) = 785\}$$

Sequence: A097776
Score: 8.56393
Type of gen. func.: revogf

$$-\frac{-1 - 786 x + (617792 x^{2} + 1568 x + 1)^{1/2}}{2 (x + 1)}$$

Sequence: A097776
Score: 9.13243
Type of gen. func.: ogf

$$-\frac{x - 1}{{}^{2}}$$

$$x - 786 x + 1$$

Sequence: A097778
Score: 11.2712
Type of gen. func.: revogf

$$-\frac{-23 x - 1 + (21 x + 1)^{1/2} (25 x + 1)^{1/2}}{2 x}$$

Sequence: A097778
Score: 15.5754
Type of gen. func.: ogf

$$\frac{1}{x^2 - 23 x + 1}$$

Sequence: A097778
Score: 22.5424
Type of gen. func.: lgdogf

$$-\frac{-23 + 2 x}{x^2 - 23 x + 1}$$

Sequence: A097778
Score: 6.30434
Type of gen. func.: ogf

$$(527 f(x) + 2) (f(x) x^2 - 23 f(x) x + f(x) - 1)$$

Sequence: A097778
Score: 6.30435
Type of gen. func.: ogf

$$\{-a(n + 2) + 23 a(n + 1) - a(n), a(0) = 1, a(1) = 23\}$$

Sequence: A097780
Score: 11.4520
Type of gen. func.: revogf

$$-\frac{-25 x - 1 + (27 x + 1)^{1/2} (23 x + 1)^{1/2}}{2 x}$$

Sequence: A097780
Score: 15.8201
Type of gen. func.: ogf

$$\frac{1}{x^2 - 25 x + 1}$$

Sequence: A097780
Score: 22.9040
Type of gen. func.: lgdogf

$$-\frac{-25 + 2 x}{x^2 - 25 x + 1}$$

Sequence: A097780
Score: 6.40336
Type of gen. func.: ogf

$$(623 f(x) + 2) (f(x) x^2 - 25 f(x) x + f(x) - 1)$$

Sequence: A097780
Score: 6.40336
Type of gen. func.: ogf

$$\{-a(n + 2) + 25 a(n + 1) - a(n), a(0) = 1, a(1) = 25\}$$

Sequence: A097781
Score: 11.8136
Type of gen. func.: revogf

$$1/2 \qquad 1/2$$

$$-\frac{-27 x - 1 + (25 x + 1) \quad (29 x + 1)}{2 x}$$

Sequence: A097781
Score: 16.3094
Type of gen. func.: ogf

$$\frac{1}{x^2 - 27 x + 1}$$

Sequence: A097781
Score: 23.6273
Type of gen. func.: lgdogf

$$-\frac{-27 + 2 x}{x^2 - 27 x + 1}$$

Sequence: A097781
Score: 6.6014
Type of gen. func.: ogf

$$(727 f(x) + 2) (f(x) x^2 - 27 f(x) x + f(x) - 1)$$

Sequence: A097781
Score: 6.60140
Type of gen. func.: ogf

$$\{-a(n + 2) + 27 a(n + 1) - a(n), a(0) = 1, a(1) = 27\}$$

Sequence: A097782
Score: 11.9945
Type of gen. func.: revogf

$$-\frac{-29 x - 1 + (27 x + 1)^{1/2} (31 x + 1)^{1/2}}{2 x}$$

Sequence: A097782
Score: 16.5540
Type of gen. func.: ogf

$$\frac{1}{x^2 - 29 x + 1}$$

Sequence: A097782
Score: 23.9889
Type of gen. func.: lgdogf

$$-\frac{-29 + 2 x}{x^2 - 29 x + 1}$$

Sequence: A097782
Score: 6.70042
Type of gen. func.: ogf

$$(839 f(x) + 2) (f(x) x^2 - 29 f(x) x + f(x) - 1)$$

Sequence: A097782
Score: 6.70043
Type of gen. func.: ogf

$$\{-a(n + 2) + 29 a(n + 1) - a(n), a(0) = 1, a(1) = 29\}$$

Sequence: A097783
Score: 12.6370
Type of gen. func.: revogf

$$-\frac{-1 - 11 x + (117 x^2 + 26 x + 1)^{1/2}}{2 (x - 1)}$$

Sequence: A097783
Score: 15.1740
Type of gen. func.: ogf

$$\frac{x+1}{x^2-11x+1}$$

Sequence: A097783
Score: 16.4664
Type of gen. func.: lgdogf

$$-\frac{x^2+2x-12}{(x+1)(x^2-11x+1)}$$

Sequence: A097783
Score: 8.02305
Type of gen. func.: ogf

$$(65 f(x) + 7) (f(x) x^2 - 11 f(x) x + f(x) - x - 1)$$

Sequence: A097783
Score: 8.30958
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - a(n), a(0) = 1, a(1) = 12\}$$

Sequence: A097784
Score: 16.9095
Type of gen. func.: lgdogf

$$-\frac{3x^2-22x+11}{(x-1)(x^2-10x+1)}$$

Sequence: A097784
Score: 17.2831
Type of gen. func.: ogf

$$-\frac{1}{\quad 2}$$

$$(x - 1) (x - 10 x + 1)$$

Sequence: A097784
Score: 5.76102
Type of gen. func.: ogf

$$\{a(n + 3) - 11 a(n + 2) + 11 a(n + 1) - a(n), a(0) = 1, a(1) = 11, a(2) = 110\}$$

Sequence: A097784
Score: 6.41943
Type of gen. func.: ogf

$$(9711 f(x) - 31) (f(x) x^3 - 11 f(x) x^2 + 11 f(x) x - f(x) + 1)$$

Sequence: A097786
Score: 11.4960
Type of gen. func.: ogf

$$- \frac{1}{(3 x - 1) (x - 1)^4}$$

Sequence: A097786
Score: 25.2360
Type of gen. func.: lgdogf

$$- \frac{-7 + 15 x}{(3 x - 1) (x - 1)}$$

Sequence: A097786
Score: 4.20769
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 3) + (15 + 4 n) a(n + 2) + (-18 - 3 n) a(n + 1), a(0) = 1,$$
$$a(1) = 7, a(2) = 31\}$$

Sequence: A097787
Score: 25.7510

Type of gen. func.: lgdogf

$$-\frac{2\,(-4+9\,x)}{(3\,x-1)\,(x-1)}$$

Sequence: A097787
Score: 4.29184
Type of gen. func.: ogf

$$\{(-n-3)\,a(n+3)+(16+4\,n)\,a(n+2)+(-21-3\,n)\,a(n+1),\ a(0)=1,$$
$$a(1)=8,\ a(2)=39\}$$

Sequence: A097787
Score: 9.51670
Type of gen. func.: ogf

$$\frac{1}{(3\,x-1)\,(x-1)^{5}}$$

Sequence: A097788
Score: 11.1982
Type of gen. func.: ogf

$$-\frac{1}{(4\,x-1)\,(x-1)^{4}}$$

Sequence: A097788
Score: 24.5822
Type of gen. func.: lgdogf

$$-\frac{4\,(-2+5\,x)}{(4\,x-1)\,(x-1)}$$

Sequence: A097788
Score: 4.09868
Type of gen. func.: ogf

$$\{(-n-3)\,a(n+3)+(18+5\,n)\,a(n+2)+(-24-4\,n)\,a(n+1),\ a(0)=1,$$

a(1) = 8, a(2) = 42}

Sequence: A097789
Score: 24.1192
Type of gen. func.: lgdogf

$$-\frac{3\,(-3 + 8\,x)}{(4\,x - 1)\,(x - 1)}$$

Sequence: A097789
Score: 4.18065
Type of gen. func.: ogf

{(-n - 3) a(n + 3) + (19 + 5 n) a(n + 2) + (-28 - 4 n) a(n + 1), a(0) = 1,

a(1) = 9, a(2) = 51}

Sequence: A097789
Score: 9.27014
Type of gen. func.: ogf

$$\frac{1}{(4\,x - 1)\,(x - 1)^{5}}$$

Sequence: A097790
Score: 10.2209
Type of gen. func.: ogf

$$-\frac{1}{(5\,x - 1)\,(x - 1)^{4}}$$

Sequence: A097790
Score: 3.74098
Type of gen. func.: ogf

{(-n - 3) a(n + 3) + (21 + 6 n) a(n + 2) + (-30 - 5 n) a(n + 1), a(0) = 1,

a(1) = 9, a(2) = 55}

Sequence: A097791
Score: 22.7730
Type of gen. func.: lgdogf

$$-\frac{10\,(3\,x-1)}{(5\,x-1)\,(x-1)}$$

Sequence: A097791
Score: 3.77599
Type of gen. func.: ogf

$\{(-n-3)\,a(n+3)+(22+6\,n)\,a(n+2)+(-35-5\,n)\,a(n+1),\ a(0)=1,$

$a(1)=10,\ a(2)=65\}$

Sequence: A097791
Score: 8.30719
Type of gen. func.: ogf

$$\frac{1}{(5\,x-1)\,(x-1)^{5}}$$

Sequence: A097793
Score: 10.3653
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{12}-x^{10}-x^{8}-x^{4}-x^{2}-1}{-x^{14}+1}$$

Sequence: A097795
Score: 12.0882
Type of gen. func.: ogf

$$-x^{2}\,(x^{14}-x^{11}-1)\Big/\Big((x+1)\,(x^{2}+x+1)\,(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)\,(x^{6}-x^{5}+x^{4}-x^{3}+x^{2}-x+1)\,(x-1)^{2}\Big)$$

Sequence: A097801
Score: 16.711
Type of gen. func.: egf]

$$-2 f(x)^2 x + f(x)^2 - 4$$

Sequence: A097801
Score: 56.9091
Type of gen. func.: revegf]

$$-\frac{x(-4+x)}{8}$$

Sequence: A097801
Score: 73.9818
Type of gen. func.: lgdegf]

$$-\frac{1}{2x-1}$$

Sequence: A097801
Score: 8.54541
Type of gen. func.: ogf

$$\{(-2n-3)a(n+1)+a(n+2), a(0)=2, a(1)=2\}$$

Sequence: A097802
Score: 17.4610
Type of gen. func.: ogf

$$\frac{3(1+24x)}{(x-1)^2}$$

Sequence: A097802
Score: 21.2967
Type of gen. func.: revogf

$$-\frac{-3 - 2 x + (9 + 300 x)^{1/2}}{2 (-72 + x)}$$

Sequence: A097802
Score: 29.1844
Type of gen. func.: lgdogf

$$-\frac{2 (13 + 12 x)}{(1 + 24 x) (x - 1)}$$

Sequence: A097802
Score: 9.02478
Type of gen. func.: ogf

$$(25 f(x) + 939) (f(x) x^2 - 2 f(x) x + f(x) - 72 x - 3)$$

Sequence: A097802
Score: 9.67717
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 3, a(1) = 78\}$$

Sequence: A097803
Score: 14.1581
Type of gen. func.: ogf

$$-\frac{3 (3 x^2 + 1)}{(x - 1)^3}$$

Sequence: A097803
Score: 30.4533
Type of gen. func.: lgdogf

$$-\frac{3 (x + 1)^2}{(x - 1) (3 x^2 + 1)}$$

Sequence: A097803
Score: 7.14170
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 3,\ a(1) = 9,\ a(2) = 27\}$$

Sequence: A097803
Score: 7.83507
Type of gen. func.: ogf

$$-f(x)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 9\,x^2 - f(x) + 3)$$

Sequence: A097804
Score: 13.0576
Type of gen. func.: revogf

$$-\frac{-9 - 6\,x + (16\,x^2 + 24\,x + 81)^{1/2}}{2\,(21 + 5\,x)}$$

Sequence: A097804
Score: 15.0665
Type of gen. func.: lgdogf

$$-\frac{35\,x^2 - 30\,x + 11}{(x - 1)\,(7\,x - 3)\,(5\,x - 1)}$$

Sequence: A097804
Score: 15.8138
Type of gen. func.: ogf

$$-\frac{3\,(7\,x - 3)}{(5\,x - 1)\,(x - 1)}$$

Sequence: A097804
Score: 7.9069
Type of gen. func.: ogf

$$-(12 f(x) + 13) (5 f(x) x^2 - 6 f(x) x + f(x) + 21 x - 9)$$

Sequence: A097804
Score: 8.76426
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 5 a(n), a(0) = 9, a(1) = 33\}$$

Sequence: A097809
Score: 11.9340
Type of gen. func.: ogf

$$-\frac{x^2 + 1}{(2 x - 1) (x - 1)^2}$$

Sequence: A097809
Score: 16.2594
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 + x^2 + 2 x - 2)}{(x - 1) (2 x - 1) (x^2 + 1)}$$

Sequence: A097809
Score: 6.01982
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 4, a(2) = 12\}$$

Sequence: A097809
Score: 8.00282
Type of gen. func.: ogf

$$-2 f(x) x^3 + 5 f(x) x^2 - 4 f(x) x - x^2 + f(x) - 1$$

Sequence: A097810
Score: 11.2630
Type of gen. func.: ogf

$$-\frac{x^2 + x + 1}{(2x - 1)(x - 1)^2}$$

Sequence: A097810
Score: 14.9653
Type of gen. func.: lgdogf

$$-\frac{2x^3 + 6x^2 + 3x - 5}{(x - 1)(2x - 1)(x^2 + x + 1)}$$

Sequence: A097810
Score: 5.97428
Type of gen. func.: ogf

$$(597 f(x) - 461)(2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x + x^2 - f(x) + x + 1)$$

Sequence: A097810
Score: 6.08002
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 5, a(2) = 16\}$$

Sequence: A097813
Score: 13.7586
Type of gen. func.: ogf

$$-\frac{3x^2 - 2x + 1}{(2x - 1)(x - 1)^2}$$

Sequence: A097813

Score: 7.49352
Type of gen. func.: ogf

$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$

Sequence: A097813
Score: 7.56103
Type of gen. func.: ogf

$$(5 f(x) - 2) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x + 3 x^2 - f(x) - 2 x + 1)$$

Sequence: A097814
Score: 27.7356
Type of gen. func.: lgdegf]

$$-6 + 9 x + (1 - 3 x) f(x)$$

Sequence: A097814
Score: 3.92927
Type of gen. func.: ogf

$\{(-9 n - 18) a(n + 1) + (3 n + 12) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 6,$

$a(2) = 45\}$

Sequence: A097815
Score: 28.8987
Type of gen. func.: lgdegf]

$$-8 + 16 x + (1 - 4 x) f(x)$$

Sequence: A097815
Score: 4.27035
Type of gen. func.: ogf

$\{(-16 n - 32) a(n + 1) + (16 + 4 n) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 8,$

$a(2) = 80\}$

Sequence: A097816

```
Score: 25.4814
Type of gen. func.: lgdegf]


                          -10 + 25 x + (1 - 5 x) f(x)



--------------------------------------------------------------------------------

Sequence:  A097816
Score: 3.90143
Type of gen. func.: ogf


{(-25 n - 50) a(n + 1) + (5 n + 20) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 10,

    a(2) = 125}



--------------------------------------------------------------------------------

Sequence:  A097817
Score: 27.5865
Type of gen. func.: lgdegf]


                           -5 + 6 x + (1 - 3 x) f(x)



--------------------------------------------------------------------------------

Sequence:  A097817
Score: 3.90859
Type of gen. func.: ogf


{(-6 n - 12) a(n + 1) + (3 n + 11) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 5,

    a(2) = 34}



--------------------------------------------------------------------------------

Sequence:  A097818
Score: 4.03163
Type of gen. func.: ogf


                                        2
       (40509 f(x) + 10490) (100 f(x) x  - 101 f(x) x + f(x) - 10 x - 8)



--------------------------------------------------------------------------------

Sequence:  A097818
Score: 4.48978
Type of gen. func.: ogf


          {-a(n + 2) + 101 a(n + 1) - 100 a(n), a(0) = 8, a(1) = 818}



--------------------------------------------------------------------------------

Sequence:  A097818
```

Score: 7.26719
Type of gen. func.: revogf

$$-\frac{-8-101\,x+(9801\,x^{2}+1656\,x+64)^{1/2}}{20\,(10\,x-1)}$$

Sequence: A097818
Score: 7.90202
Type of gen. func.: ogf

$$\frac{2\,(5\,x+4)}{(100\,x-1)\,(x-1)}$$

Sequence: A097818
Score: 8.37307
Type of gen. func.: lgdogf

$$-\frac{500\,x^{2}+800\,x-409}{(x-1)\,(5\,x+4)\,(100\,x-1)}$$

Sequence: A097819
Score: 28.4738
Type of gen. func.: lgdegf]

$$-7+12\,x+(1-4\,x)\,f(x)$$

Sequence: A097819
Score: 4.85917
Type of gen. func.: ogf

$$\{(-12\,n-24)\,a(n+1)+(15+4\,n)\,a(n+2)-a(n+3),\ a(0)=1,\ a(1)=7,\ a(2)=65\}$$

Sequence: A097820
Score: 29.9724
Type of gen. func.: lgdegf]

$$-6+8\,x+(1-4\,x)\,f(x)$$

Sequence: A097820
Score: 4.23947
Type of gen. func.: ogf

{(-8 n - 16) a(n + 1) + (4 n + 14) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 6,

a(2) = 52}

Sequence: A097821
Score: 25.9237
Type of gen. func.: lgdegf]

$$-7 + 10 x + (1 - 5 x) f(x)$$

Sequence: A097821
Score: 3.83743
Type of gen. func.: ogf

{(-10 n - 20) a(n + 1) + (5 n + 17) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 7,

a(2) = 74}

Sequence: A097826
Score: 16.4664
Type of gen. func.: lgdogf

$$- \frac{3 (x^2 - 8 x + 4)}{(x - 1) (x^2 - 11 x + 1)}$$

Sequence: A097826
Score: 17.8976
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (x^2 - 11 x + 1)}$$

Sequence: A097826

Score: 5.96585
Type of gen. func.: ogf

$$\{a(n + 3) - 12 a(n + 2) + 12 a(n + 1) - a(n), a(0) = 1, a(1) = 12, a(2) = 132\}$$

Sequence: A097826
Score: 6.64767
Type of gen. func.: ogf

$$(7145 f(x) - 17) (f(x) x^3 - 12 f(x) x^2 + 12 f(x) x - f(x) + 1)$$

Sequence: A097827
Score: 12.8584
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (x^2 - 12 x + 1)}$$

Sequence: A097827
Score: 14.0042
Type of gen. func.: lgdogf

$$- \frac{3 x^2 - 26 x + 13}{(x - 1) (x^2 - 12 x + 1)}$$

Sequence: A097827
Score: 4.28614
Type of gen. func.: ogf

$$\{a(n + 3) - 13 a(n + 2) + 13 a(n + 1) - a(n), a(0) = 1, a(1) = 13, a(2) = 156\}$$

Sequence: A097827
Score: 4.73093
Type of gen. func.: ogf

$$(20317 f(x) - 37) (f(x) x^3 - 13 f(x) x^2 + 13 f(x) x - f(x) + 1)$$

Sequence: A097828
Score: 13.1490
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(x^2-13x+1)}$$

Sequence: A097828
Score: 14.3279
Type of gen. func.: lgdogf

$$-\frac{3x^2-28x+14}{(x-1)(x^2-13x+1)}$$

Sequence: A097828
Score: 4.38300
Type of gen. func.: ogf

$$\{a(n+3)-14a(n+2)+14a(n+1)-a(n),\ a(0)=1,\ a(1)=14,\ a(2)=182\}$$

Sequence: A097828
Score: 4.88392
Type of gen. func.: ogf

$$(7017f(x)-10)(f(x)x^3-14f(x)x^2+14f(x)x-f(x)+1)$$

Sequence: A097829
Score: 13.7302
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(x^2-15x+1)}$$

Sequence: A097829
Score: 14.9755

Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 32 x + 16}{(x - 1) (x^2 - 15 x + 1)}$$

Sequence: A097829
Score: 4.57673
Type of gen. func.: ogf

$$\{a(n + 3) - 16 a(n + 2) + 16 a(n + 1) - a(n), a(0) = 1, a(1) = 16, a(2) = 240\}$$

Sequence: A097829
Score: 5.05167
Type of gen. func.: ogf

$$(24983 f(x) - 23) (f(x) x^3 - 16 f(x) x^2 + 16 f(x) x - f(x) + 1)$$

Sequence: A097830
Score: 15.3803
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 34 x + 17}{(x - 1) (x^2 - 16 x + 1)}$$

Sequence: A097830
Score: 18.0441
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (x^2 - 16 x + 1)}$$

Sequence: A097830
Score: 6.01471
Type of gen. func.: ogf

$$\{a(n + 3) - 17 a(n + 2) + 17 a(n + 1) - a(n), a(0) = 1, a(1) = 17, a(2) = 272\}$$

Sequence: A097830
Score: 6.76655
Type of gen. func.: ogf

$$(9255 f(x) - 7) (f(x) x^3 - 17 f(x) x^2 + 17 f(x) x - f(x) + 1)$$

Sequence: A097831
Score: 14.3113
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (x^2 - 17 x + 1)}$$

Sequence: A097831
Score: 16.0826
Type of gen. func.: lgdogf

$$- \frac{3 (x^2 - 12 x + 6)}{(x - 1) (x^2 - 17 x + 1)}$$

Sequence: A097831
Score: 4.77044
Type of gen. func.: ogf

$$\{a(n + 3) - 18 a(n + 2) + 18 a(n + 1) - a(n), a(0) = 1, a(1) = 18, a(2) = 306\}$$

Sequence: A097831
Score: 5.2655
Type of gen. func.: ogf

$$(20668 f(x) - 13) (f(x) x^3 - 18 f(x) x^2 + 18 f(x) x - f(x) + 1)$$

Sequence: A097832
Score: 12.8677

Type of gen. func.: ogf

$$-\frac{1}{(x-1)(x^2-19x+1)}$$

Sequence: A097832
Score: 14.0214
Type of gen. func.: lgdogf

$$-\frac{3x^2-40x+20}{(x-1)(x^2-19x+1)}$$

Sequence: A097832
Score: 4.28922
Type of gen. func.: ogf

$$\{a(n+3)-20a(n+2)+20a(n+1)-a(n), a(0)=1, a(1)=20, a(2)=380\}$$

Sequence: A097832
Score: 4.73433
Type of gen. func.: ogf

$$(64629 f(x)-29)(f(x)x^3-20 f(x)x^2+20 f(x)x-f(x)+1)$$

Sequence: A097833
Score: 13.0809
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(x^2-20x+1)}$$

Sequence: A097833
Score: 14.6784
Type of gen. func.: lgdogf

$$3(x^2-14x+7)$$

$$- \frac{\qquad}{(x - 1) (x^2 - 20 x + 1)}$$

Sequence: A097833
Score: 4.36032
Type of gen. func.: ogf

$$\{a(n + 3) - 21 a(n + 2) + 21 a(n + 1) - a(n), a(0) = 1, a(1) = 21, a(2) = 420\}$$

Sequence: A097833
Score: 4.76782
Type of gen. func.: ogf

$$(158821 f(x) - 61) (f(x) x^3 - 21 f(x) x^2 + 21 f(x) x - f(x) + 1)$$

Sequence: A097834
Score: 12.0547
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - 27 x + 1}$$

Sequence: A097834
Score: 12.6379
Type of gen. func.: revogf

$$- \frac{-27 x - 1 + (725 x^2 + 58 x + 1)^{1/2}}{2 (x - 1)}$$

Sequence: A097834
Score: 16.4675
Type of gen. func.: lgdogf

$$- \frac{x^2 + 2 x - 28}{(x + 1) (x^2 - 27 x + 1)}$$

Sequence: A097834
Score: 6.23054
Type of gen. func.: ogf

$$(377 f(x) + 15) (f(x) x^2 - 27 f(x) x + f(x) - x - 1)$$

Sequence: A097834
Score: 6.60140
Type of gen. func.: ogf

$$\{-a(n + 2) + 27 a(n + 1) - a(n), a(0) = 1, a(1) = 28\}$$

Sequence: A097835
Score: 11.9945
Type of gen. func.: ogf

$$-\frac{x - 1}{x^2 - 27 x + 1}$$

Sequence: A097835
Score: 12.5734
Type of gen. func.: revogf

$$-\frac{-27 x - 1 + (725 x^2 + 50 x + 1)^{1/2}}{2 (x + 1)}$$

Sequence: A097835
Score: 16.8955
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x + 26}{(x - 1) (x^2 - 27 x + 1)}$$

Sequence: A097835
Score: 5.99723

Type of gen. func.: ogf

$$-(175 f(x) - 6) (f(x) x^2 - 27 f(x) x + f(x) + x - 1)$$

Sequence: A097835
Score: 6.56839
Type of gen. func.: ogf

$$\{a(n + 2) - 27 a(n + 1) + a(n), a(0) = 1, a(1) = 26\}$$

Sequence: A097836
Score: 11.8330
Type of gen. func.: revogf

$$- \frac{-1 - 51 x + (53 x + 1)^{1/2} (49 x + 1)^{1/2}}{2 x}$$

Sequence: A097836
Score: 16.3279
Type of gen. func.: ogf

$$\frac{1}{x^2 - 51 x + 1}$$

Sequence: A097836
Score: 23.6660
Type of gen. func.: lgdogf

$$- \frac{-51 + 2 x}{x^2 - 51 x + 1}$$

Sequence: A097836
Score: 6.53118
Type of gen. func.: ogf

$$(2599 f(x) + 2) (f(x) x^2 - 51 f(x) x + f(x) - 1)$$

```
------------------------------------------------------------------------------

Sequence:  A097836
Score: 6.60893
Type of gen. func.: ogf


             {-a(n + 2) + 51 a(n + 1) - a(n), a(0) = 1, a(1) = 51}



------------------------------------------------------------------------------

Sequence:  A097837
Score: 12.0685
Type of gen. func.: ogf


                                     x + 1
                                 -------------
                                  2
                                 x  - 51 x + 1



------------------------------------------------------------------------------

Sequence:  A097837
Score: 12.0960
Type of gen. func.: revogf


                                          2             1/2
                       -1 - 51 x + (2597 x  + 106 x + 1)
                     - ------------------------------------
                                    2 (x - 1)



------------------------------------------------------------------------------

Sequence:  A097837
Score: 16.4945
Type of gen. func.: lgdogf


                                   2
                                  x  + 2 x - 52
                           - -----------------------
                                       2
                             (x + 1) (x  - 51 x + 1)



------------------------------------------------------------------------------

Sequence:  A097837
Score: 6.16834
Type of gen. func.: ogf


                                     2
             (1325 f(x) + 27) (f(x) x  - 51 f(x) x + f(x) - x - 1)



------------------------------------------------------------------------------

Sequence:  A097837
```

Score: 6.60893
Type of gen. func.: ogf

$$\{-a(n + 2) + 51 a(n + 1) - a(n), a(0) = 1, a(1) = 52\}$$

Sequence: A097838
Score: 12.0685
Type of gen. func.: ogf

$$-\frac{x - 1}{x^{2} - 51 x + 1}$$

Sequence: A097838
Score: 12.3709
Type of gen. func.: revogf

$$-\frac{-1 - 51 x + (2597 x^{2} + 98 x + 1)^{1/2}}{2 (x + 1)}$$

Sequence: A097838
Score: 17.0099
Type of gen. func.: lgdogf

$$-\frac{x^{2} - 2 x + 50}{(x - 1) (x^{2} - 51 x + 1)}$$

Sequence: A097838
Score: 5.96936
Type of gen. func.: ogf

$$-(637 f(x) - 12) (f(x) x^{2} - 51 f(x) x + f(x) + x - 1)$$

Sequence: A097838
Score: 6.60893
Type of gen. func.: ogf

$$\{a(n + 2) - 51 a(n + 1) + a(n), a(0) = 1, a(1) = 50\}$$

Sequence: A097839
Score: 13.1282
Type of gen. func.: revogf

$$-\frac{-1 - 83 x + (81 x + 1)^{1/2} (85 x + 1)^{1/2}}{2 x}$$

Sequence: A097839
Score: 18.0802
Type of gen. func.: ogf

$$\frac{1}{x^2 - 83 x + 1}$$

Sequence: A097839
Score: 26.2563
Type of gen. func.: lgdogf

$$-\frac{-83 + 2 x}{x^2 - 83 x + 1}$$

Sequence: A097839
Score: 7.23209
Type of gen. func.: ogf

$$(6887 f(x) + 2) (f(x) x^2 - 83 f(x) x + f(x) - 1)$$

Sequence: A097839
Score: 7.31818
Type of gen. func.: ogf

$$\{-a(n + 2) + 83 a(n + 1) - a(n), a(0) = 1, a(1) = 83\}$$

Sequence: A097840

Score: 13.1357
Type of gen. func.: lgdogf

$$-\frac{x^{2} + 2 x - 84}{(x + 1) (x^{2} - 83 x + 1)}$$

Sequence: A097840
Score: 4.9304
Type of gen. func.: ogf

$$(3485 f(x) + 43) (f(x) x^{2} - 83 f(x) x + f(x) - x - 1)$$

Sequence: A097840
Score: 5.28257
Type of gen. func.: ogf

$$\{-a(n + 2) + 83 a(n + 1) - a(n), a(0) = 1, a(1) = 84\}$$

Sequence: A097840
Score: 9.63281
Type of gen. func.: revogf

$$-\frac{-1 - 83 x + (6885 x^{2} + 170 x + 1)^{1/2}}{2 (x - 1)}$$

Sequence: A097840
Score: 9.64643
Type of gen. func.: ogf

$$\frac{x + 1}{x^{2} - 83 x + 1}$$

Sequence: A097841
Score: 13.5461
Type of gen. func.: lgdogf

2

$$-\frac{x - 2 x + 82}{(x - 1) (x^2 - 83 x + 1)}$$

Sequence: A097841
Score: 4.7206
Type of gen. func.: ogf

$$-(1701 f(x) - 20) (f(x) x^2 - 83 f(x) x + f(x) + x - 1)$$

Sequence: A097841
Score: 5.28257
Type of gen. func.: ogf

$$\{a(n + 2) - 83 a(n + 1) + a(n), a(0) = 1, a(1) = 82\}$$

Sequence: A097841
Score: 9.63281
Type of gen. func.: revogf

$$-\frac{-1 - 83 x + (6885 x^2 + 162 x + 1)^{1/2}}{2 (x + 1)}$$

Sequence: A097841
Score: 9.64643
Type of gen. func.: ogf

$$-\frac{x - 1}{x^2 - 83 x + 1}$$

Sequence: A097842
Score: 11.0046
Type of gen. func.: lgdogf

$$-\frac{x^2 + 2 x - 124}{(x + 1) (x^2 - 123 x + 1)}$$

Sequence: A097842
Score: 16.4586
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - 123 x + 1}$$

Sequence: A097842
Score: 8.19492
Type of gen. func.: revogf

$$-\frac{-1 - 123 x + (15125 x^2 + 250 x + 1)^{1/2}}{2 (x - 1)}$$

Sequence: A097842
Score: 8.50057
Type of gen. func.: ogf

$$(7625 f(x) + 63) (f(x) x^2 - 123 f(x) x + f(x) - x - 1)$$

Sequence: A097842
Score: 8.99480
Type of gen. func.: ogf

$$\{-a(n + 2) + 123 a(n + 1) - a(n), a(0) = 1, a(1) = 124\}$$

Sequence: A097843
Score: 11.0046
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x + 122}{(x - 1) (x^2 - 123 x + 1)}$$

Sequence: A097843

Score: 14.1740
Type of gen. func.: ogf

$$-\frac{x - 1}{x^{2} - 123 x + 1}$$

Sequence: A097843
Score: 7.01242
Type of gen. func.: ogf

$$-(3751 f(x) - 30) (f(x) x^{2} - 123 f(x) x + f(x) + x - 1)$$

Sequence: A097843
Score: 7.74628
Type of gen. func.: ogf

$$\{a(n + 2) - 123 a(n + 1) + a(n), a(0) = 1, a(1) = 122\}$$

Sequence: A097843
Score: 8.19492
Type of gen. func.: revogf

$$-\frac{-1 - 123 x + (15125 x^{2} + 242 x + 1)^{1/2}}{2 (x + 1)}$$

Sequence: A097844
Score: 16.4004
Type of gen. func.: lgdogf

$$-\frac{-171 + 2 x}{x^{2} - 171 x + 1}$$

Sequence: A097844
Score: 17.1916
Type of gen. func.: ogf

$$\frac{1}{}$$

$$x^2 - 171 x + 1$$

Sequence: A097844

Score: 6.91615

Type of gen. func.: ogf

$$(29239 f(x) + 2) (f(x) x^2 - 171 f(x) x + f(x) - 1)$$

Sequence: A097844

Score: 6.99658

Type of gen. func.: ogf

$$\{-a(n + 2) + 171 a(n + 1) - a(n), a(0) = 1, a(1) = 171\}$$

Sequence: A097844

Score: 8.36755

Type of gen. func.: revogf

$$-\frac{-171 x - 1 + (173 x + 1)^{1/2} (169 x + 1)^{1/2}}{2 x}$$

Sequence: A097845

Score: 11.7146

Type of gen. func.: lgdogf

$$-\frac{x^2 + 2 x - 172}{(x + 1) (x^2 - 171 x + 1)}$$

Sequence: A097845

Score: 4.56467

Type of gen. func.: ogf

$$(14705 f(x) + 87) (f(x) x^2 - 171 f(x) x + f(x) - x - 1)$$

Sequence: A097845
Score: 4.88314
Type of gen. func.: ogf

$$\{-a(n + 2) + 171 a(n + 1) - a(n), a(0) = 1, a(1) = 172\}$$

Sequence: A097845
Score: 8.72362
Type of gen. func.: revogf

$$-\frac{-1 - 171 x + (29237 x^{2} + 346 x + 1)^{1/2}}{2 (x - 1)}$$

Sequence: A097845
Score: 8.93511
Type of gen. func.: ogf

$$\frac{x + 1}{x^{2} - 171 x + 1}$$

Sequence: A097852
Score: 4.59058
Type of gen. func.: ogf

$$\frac{x^{8} + x^{7} - x^{5} - x^{4} - x^{3} + x + 1}{(x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{2} + 1) (x + 1)^{3} (x - 1)^{4}}$$

Sequence: A097861
Score: 4.52135
Type of gen. func.: ogf

$$3 f(x)^{2} x^{4} - 4 f(x)^{2} x^{3} - 2 f(x)^{2} x^{2} - 3 f(x) x^{3} + 4 f(x)^{2} x + f(x) x^{2} - f(x)^{2}$$
$$+ 3 f(x) x + x^{2} - f(x)$$

Sequence: A097864
Score: 5.09009

Type of gen. func.: ogf

$$x \left(x^{25} + x^{23} - x^{19} - x^{17} - x^{16} - 2 x^{13} - x^{12} - x^{11} - x^{9} + x^{8} + 4 x^{7} + 2 x^{6} + x^{5} + 2 x^{4} + x^{3} + x^{2} + x + 1\right) / \left((x - 1)^{2} \left(x^{2} + x + 1\right)^{2} \left(x^{6} + x^{3} + 1\right)\right)$$

Sequence: A097869
Score: 17.4207
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{9} - x^{7} + x^{4} + 3 x^{3} + x + 1$$

Sequence: A097869
Score: 5.71754
Type of gen. func.: ogf

$$\frac{\left(x^{4} - x^{3} + x^{2} - x + 1\right) \left(x^{4} + 1\right)}{\left(x^{2} + 1\right)^{2} (x + 1)^{2} (x - 1)^{4}}$$

Sequence: A097869
Score: 7.19380
Type of gen. func.: lgdogf

$$- \left(2 x^{11} - x^{10} + 4 x^{9} - 3 x^{8} + 18 x^{7} - 10 x^{6} + 14 x^{5} - 10 x^{4} + 16 x^{3} - x^{2} + 2 x + 1\right) / \left((x - 1) (x + 1) \left(x^{2} + 1\right) \left(x^{4} - x^{3} + x^{2} - x + 1\right) \left(x^{4} + 1\right)\right)$$

Sequence: A097870
Score: 6.18827
Type of gen. func.: ogf

$$\frac{(x + 1) \left(x^{2} - x + 1\right) \left(x^{4} + x^{3} + x^{2} + 1\right)}{\left(x^{2} + x + 1\right)^{2} (x - 1)^{4}}$$

Sequence: A097870
Score: 7.77858
Type of gen. func.: lgdogf

$$-\frac{x^{9}+4x^{8}+7x^{7}+15x^{6}+20x^{5}+17x^{4}+10x^{3}+16x^{2}+4x+2}{(x-1)(x+1)(x^{2}+x+1)(x^{2}-x+1)(x^{4}+x^{3}+x^{2}+1)}$$

Sequence: A097893
Score: 18.5149
Type of gen. func.: lgdogf

$$-\frac{2(3x^{2}-1)}{(x-1)(3x-1)(x+1)}$$

Sequence: A097893
Score: 6.4918
Type of gen. func.: ogf

$$-3f(x)^{2}x^{4}+4f(x)^{2}x^{3}+2f(x)^{2}x^{2}-4f(x)^{2}x+f(x)^{2}-1$$

Sequence: A097895
Score: 10.0753
Type of gen. func.: ogf

$$\frac{x^{2}(3x-2)}{(2x-1)(2x^{2}-1)(x^{2}+x-1)}$$

Sequence: A097895
Score: 10.5308
Type of gen. func.: lgdogf

$$-\frac{48x^{5}-22x^{4}-64x^{3}+51x^{2}-4x-3}{(2x-1)(3x-2)(2x^{2}-1)(x^{2}+x-1)}$$

Sequence: A097896
Score: 10.1044
Type of gen. func.: lgdogf

$$-\frac{2 x^6 + 12 x^5 + 3 x^4 - 10 x^3 - 3 x^2 + 2}{(2 x^2 - 1) (x^2 + x - 1) (x^3 + 3 x^2 - x - 1)}$$

Sequence: A097896
Score: 5.3773
Type of gen. func.: ogf

$$(2 f(x) + 45)$$

$$(2 f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 + x^3 - f(x) x + 3 x^2 + f(x) - x - 1)$$

Sequence: A097896
Score: 9.63725
Type of gen. func.: ogf

$$-\frac{x^3 + 3 x^2 - x - 1}{(2 x^2 - 1) (x^2 + x - 1)}$$

Sequence: A097900
Score: 17.8808
Type of gen. func.: lgdegf]

$$-\frac{6 (-2 + x)}{(x - 1) (x^3 - 3 x^2 + 6 x - 6)}$$

Sequence: A097900
Score: 4.63625
Type of gen. func.: egf]

$$(520 f(x) - 1033)$$

$$(6 f(x) x^3 - 18 f(x) x^2 - x^3 + 18 f(x) x + 3 x^2 - 6 f(x) - 6 x + 6)$$

Sequence: A097900
Score: 8.22770
Type of gen. func.: egf]

$$\frac{x^3 - 3 x^2 + 6 x - 6}{6 (x - 1)^3}$$

Sequence: A097913
Score: 5.44589
Type of gen. func.: ogf

$$(x^{12} - x^6 + 1) / ((x^4 - x^2 + 1) (x^8 - x^4 + 1) (x^2 + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2 (x^4 + 1)^2 (x + 1)^2 (x - 1)^4)$$

Sequence: A097920
Score: 10.2781
Type of gen. func.: ogf

$$- \frac{(x^2 + 1) (x^8 - x^6 + x^4 - x^2 + 1)}{(x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A097920
Score: 20.0375
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{19} + x^9 + x^4 + x^2 + 1$$

Sequence: A097921
Score: 11.7918
Type of gen. func.: lgdogf

$$\frac{x^8 - 2 x^7 - x^6 - 6 x^5 - 2 x^3 - 5 x^2 - 2 x - 1}{(x - 1) (x^4 + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A097921
Score: 18.0648
Type of gen. func.: ogf_with_Euler_transform]

$$-x^7 - x^5 + x^3 + 2 x^2 + x + 1$$

Sequence: A097921
Score: 8.80103
Type of gen. func.: ogf

$$-\frac{(x^2 - x + 1) (x^4 + 1)}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A097922
Score: 10.1464
Type of gen. func.: lgdogf

$$\frac{x^8 - 2 x^7 - 2 x^6 - 4 x^5 - x^4 - 4 x^3 - x^2 - 4 x - 1}{(x - 1) (x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^2 + 1)}$$

Sequence: A097922
Score: 18.0648
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9 + x^4 - x^3 + x^2 + 2 x + 1$$

Sequence: A097922
Score: 8.15508
Type of gen. func.: ogf

$$-\frac{(x^2 + 1) (x^4 - x^3 + x^2 - x + 1)}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A097923
Score: 10.2675
Type of gen. func.: ogf

$$-\frac{(x^4+1)(x^{16}-x^{12}+x^8-x^4+1)}{(x^2+x+1)(x^4+x^3+x^2+x+1)(x-1)^3}$$

Sequence: A097924
Score: 16.8097
Type of gen. func.: ogf

$$\frac{-2+x}{x^2+4x-1}$$

Sequence: A097924
Score: 21.8694
Type of gen. func.: revogf

$$\frac{-1-2x+(5x^2+3x+1)^{1/2}}{x-1}$$

Sequence: A097924
Score: 23.2363
Type of gen. func.: lgdogf

$$-\frac{x^2-4x-7}{(-2+x)(x^2+4x-1)}$$

Sequence: A097924
Score: 8.31248
Type of gen. func.: ogf

$$-(32 f(x) - 15) (f(x) x^2 + 4 f(x) x - f(x) - x + 2)$$

Sequence: A097924
Score: 9.22484
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + a(n), a(0) = 2, a(1) = 7\}$$

Sequence: A097926
Score: 4.83572
Type of gen. func.: ogf

$$(1601 f(x) - 8118)$$

$$(f(x) x^4 + f(x) x^3 + f(x) x^2 + 10 x^3 + f(x) x + 16 x^2 - f(x) + 18 x + 18)$$

Sequence: A097926
Score: 8.50300
Type of gen. func.: lgdogf

$$-\frac{5 x^6 + 16 x^5 + 30 x^4 + 44 x^3 + 43 x^2 + 34 x + 18}{(x^4 + x^3 + x^2 + x - 1) (5 x^3 + 8 x^2 + 9 x + 9)}$$

Sequence: A097926
Score: 8.77594
Type of gen. func.: ogf

$$-\frac{2 (5 x^3 + 8 x^2 + 9 x + 9)}{x^4 + x^3 + x^2 + x - 1}$$

Sequence: A097927
Score: 8.64041
Type of gen. func.: ogf

$$-\frac{2 x^9 + 4 x^8 + 8 x^7 + 16 x^6 + 32 x^5 + 29 x^4 + 35 x^3 + 23 x^2 + 46 x + 1}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A097944
Score: 19.0721
Type of gen. func.: lgdogf

$$\frac{24 x^{25} - 25 x^{24} + 3 x^{4} - 4 x^{3} - 1}{(x - 1) (x^{25} + x^{4} + 1)}$$

Sequence: A097944
Score: 19.8259
Type of gen. func.: ogf

$$- \frac{x^{25} + x^{4} + 1}{x - 1}$$

Sequence: A097947
Score: 10.7783
Type of gen. func.: lgdogf

$$- \frac{4 x^{5} + 29 x^{4} + 64 x^{3} + 32 x^{2} + 4 x - 1}{(x - 1) (x + 1) (2 x^{2} + 7 x + 2) (x^{2} + 4 x + 1)}$$

Sequence: A097947
Score: 12.5350
Type of gen. func.: ogf

$$\frac{2 x^{2} + 7 x + 2}{(x - 1) (x + 1) (x^{2} + 4 x + 1)}$$

Sequence: A097947
Score: 6.37195
Type of gen. func.: ogf

$$(228773 f(x) - 22473) (f(x) x^{4} + 4 f(x) x^{3} - 4 f(x) x - 2 x^{2} - f(x) - 7 x - 2)$$

Sequence: A097948
Score: 10.2522
Type of gen. func.: lgdogf

$$-\frac{x^6 + 6 x^5 + 12 x^4 + 4 x^3 + 3 x^2 + 6 x + 4}{(x - 1) (x + 1) (x^2 + 4 x + 1) (x^3 + 3 x^2 - 1)}$$

Sequence: A097948
Score: 11.3783
Type of gen. func.: ogf

$$-\frac{x^3 + 3 x^2 - 1}{(x - 1) (x + 1) (x^2 + 4 x + 1)}$$

Sequence: A097948
Score: 6.01291
Type of gen. func.: ogf

$$-(838 f(x) - 167) (f(x) x^4 + 4 f(x) x^3 + x^3 - 4 f(x) x + 3 x^2 - f(x) - 1)$$

Sequence: A097949
Score: 11.9157
Type of gen. func.: lgdogf

$$-\frac{x^6 - 21 x^4 - 56 x^3 - 21 x^2 + 1}{(x - 1) (x + 1) (x^2 + 4 x + 1) (x^3 - 7 x - 2)}$$

Sequence: A097949
Score: 12.1568
Type of gen. func.: ogf

$$-\frac{x^3 - 7 x - 2}{(x - 1) (x + 1) (x^2 + 4 x + 1)}$$

Sequence: A097949
Score: 6.23162
Type of gen. func.: ogf

$$-(551 f(x) - 107) (f(x) x^{4} + 4 f(x) x^{3} + x^{3} - 4 f(x) x - f(x) - 7 x - 2)$$

Sequence: A097950
Score: 11.1070
Type of gen. func.: ogf

$$\frac{x^{8} - x^{7} + x^{5} - x^{4} + x^{3} - x + 1}{(x - 1)^{2}}$$

Sequence: A097950
Score: 11.4417
Type of gen. func.: lgdogf

$$\frac{6 x^{8} - 13 x^{7} + 7 x^{6} + 3 x^{5} - 7 x^{4} + 5 x^{3} - 3 x^{2} + x - 1}{(x - 1) (x^{8} - x^{7} + x^{5} - x^{4} + x^{3} - x + 1)}$$

Sequence: A097950
Score: 24.7688
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{14} + x^{4} + x^{2} + 1$$

Sequence: A097971
Score: 11.0498
Type of gen. func.: egf]

$$\frac{2 (x + 1)}{(x - 1)^{4}}$$

Sequence: A097971
Score: 3.96494

Type of gen. func.: ogf

$$\{(-n^2 - 6 n - 8) a(n + 1) + (2 n^2 + 19 n + 40) a(n + 2) + (-2 n - 6) a(n + 3),$$

$$a(0) = 2, a(1) = 10, a(2) = 56\}$$

Sequence: A097971
Score: 33.1028
Type of gen. func.: lgdegf]

$$- \frac{3 x + 5}{(x - 1) (x + 1)}$$

Sequence: A097971
Score: 5.3074
Type of gen. func.: egf]

$$(2624 f(x) + 7423)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + f(x) - 2 x - 2)$$

Sequence: A097992
Score: 16.9927
Type of gen. func.: lgdogf

$$- \frac{7 x^5 + x^4 + x^3 + x^2 + x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A097992
Score: 23.6475
Type of gen. func.: ogf

$$\frac{1}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A097992
Score: 38.6842
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5 + 1]$$

Sequence: A097999
Score: 23.5600
Type of gen. func.: lgdegf]

$$- \frac{3 (x - 3)}{x^2 - 6 x + 1}$$

Sequence: A097999
Score: 3.32437
Type of gen. func.: ogf

$$\{(n^2 + 6 n + 8) a(n + 1) + (-6 n - 21) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 9, a(2) = 132\}$$

Sequence: A097999
Score: 7.03285
Type of gen. func.: revegf]

$$- \frac{-3 - 18 x - 24 x^2 + ((2 x + 1) (1 + 4 x) (3 + 8 x)^2)^{1/2}}{(2 x + 1) (1 + 4 x)}$$

Sequence: A098011
Score: 16.4564
Type of gen. func.: ogf

$$\frac{x^3 + x - 1}{2 x - 1}$$

Sequence: A098011
Score: 22.0130
Type of gen. func.: lgdogf

$$^{3} \qquad ^{2}$$

$$\frac{4 x - 3 x + 1}{(2 x - 1) (x^3 + x - 1)}$$

Sequence: A098011
Score: 7.71392
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 3\}$$

Sequence: A098011
Score: 9.87381
Type of gen. func.: ogf

$$(f(x) + 1) (-x^3 + 2 f(x) x - f(x) - x + 1)$$

Sequence: A098022
Score: 7.12964
Type of gen. func.: ogf

$$\frac{2 x^9 + 5 x^8 + 5 x^7 + 7 x^6 + 5 x^5 + 7 x^4 + 5 x^3 + 7 x^2 + 5 x + 5}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A098051
Score: 4.1761
Type of gen. func.: ogf

$$-(4 f(x) - 1) (f(x)^2 x^4 - 2 f(x)^2 x^3 + f(x)^2 x^2 + 2 f(x) x^3 - 2 f(x) x^2 + 2 f(x) x - f(x) - x + 1)$$

Sequence: A098054
Score: 8.09324
Type of gen. func.: ogf

$$\frac{x (2 x^{10} - 3 x^6 - 2 x^5 - 2 x^4 + x^3 + x^2 + x + 1)}{(x^4 + x^2 - 1) (x^4 - x^2 - 1)}$$

Sequence: A098067
Score: 6.43017
Type of gen. func.: ogf

$$(100 x^{22} - 219 x^{21} + 138 x^{20} - 19 x^{19} + 100 x^{12} - 210 x^{11} + 120 x^{10} - 10 x^{9} + 10 x^{2} - 21 x + 12) / (x - 1)^{2}$$

Sequence: A098077
Score: 19.8907
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^{2} + 12 x + 5)}{(x - 1) (2 x^{2} + 5 x + 1)}$$

Sequence: A098077
Score: 3.73223
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (2 + 4 n) a(n + 3) + (-30 - 3 n) a(n + 2) + (-8 - 2 n) a(n + 1), a(0) = 2, a(1) = 20, a(2) = 84, a(3) = 240\}$$

Sequence: A098077
Score: 9.37724
Type of gen. func.: ogf

$$- \frac{2 (2 x^{2} + 5 x + 1)}{(x - 1)^{5}}$$

Sequence: A098098
Score: 9.62541
Type of gen. func.: ogf_with_Euler_transform]

$$4 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2$$

$$- \frac{}{-x^5 - x^4 - x^3 - x^2 - x - 1}$$

Sequence: A098106
Score: 10.2737
Type of gen. func.: ogf

$$- \frac{12 x^3 - 6 x^2 + x - 1}{(4 x^2 - 2 x + 1)^2}$$

Sequence: A098106
Score: 14.0424
Type of gen. func.: lgdogf

$$- \frac{3 (16 x^4 - 8 x^3 - 8 x^2 - 2 x + 1)}{(12 x^3 - 6 x^2 + x - 1) (4 x^2 - 2 x + 1)}$$

Sequence: A098106
Score: 5.81936
Type of gen. func.: ogf

$$(72 f(x) + 11) (16 f(x) x^4 - 16 f(x) x^3 + 12 f(x) x^2 + 12 x^3 - 4 f(x) x - 6 x^2 + f(x) + x - 1)$$

Sequence: A098108
Score: 18.0971
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^7}{x^8 + 1}$$

Sequence: A098111
Score: 11.274
Type of gen. func.: ogf

$$5 f(x) x^2 - 5 f(x) x + f(x) + 5 x - 1$$

Sequence: A098111
Score: 15.7837
Type of gen. func.: ogf

$$- \frac{5 x - 1}{5 x^2 - 5 x + 1}$$

Sequence: A098111
Score: 18.9923
Type of gen. func.: revogf

$$- \frac{-1 - 5 x + (5 x^2 - 10 x + 1)^{1/2}}{10 (x + 1)}$$

Sequence: A098111
Score: 22.2482
Type of gen. func.: lgdogf

$$- \frac{5 x (-2 + 5 x)}{(5 x - 1) (5 x^2 - 5 x + 1)}$$

Sequence: A098111
Score: 8.76872
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - 5 a(n), a(0) = 1, a(1) = 0\}$$

Sequence: A098118
Score: 3.24895
Type of gen. func.: ogf

$$\{(16 n^3 + 128 n^2 + 340 n + 300) a(n + 1) + (-8 n^2 - 52 n - 86) a(n + 2) + (n + 4) a(n + 3), a(0) = 1, a(1) = 7, a(2) = 74\}$$

Sequence: A098123
Score: 15.2689
Type of gen. func.: lgdogf

$$- \frac{2 x^2 (x^2 + 3)}{(x - 1) (x + 1) (x^4 - 4 x^3 - 2 x^2 + 1)}$$

Sequence: A098123
Score: 7.27787
Type of gen. func.: ogf

$$f(x)^2 x^4 - 4 f(x)^2 x^3 - 2 f(x)^2 x^2 - x^4 + f(x)^2 + 2 x^2 - 1$$

Sequence: A098127
Score: 16.9266
Type of gen. func.: ogf

$$- \frac{19 x + 7}{x^2 + x - 1}$$

Sequence: A098127
Score: 19.6000
Type of gen. func.: revogf

$$\frac{-7 - x + (5 x^2 + 90 x + 49)^{1/2}}{2 (19 + x)}$$

Sequence: A098127
Score: 21.2333
Type of gen. func.: lgdogf

$$- \frac{19 x^2 + 14 x + 26}{(19 x + 7) (x^2 + x - 1)}$$

Sequence: A098127
Score: 8.84797
Type of gen. func.: ogf

$$(10 f(x) + 99) (f(x) x^2 + f(x) x - f(x) + 19 x + 7)$$

Sequence: A098127
Score: 9.38099
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 7, a(1) = 26\}$$

Sequence: A098140
Score: 12.0157
Type of gen. func.: ogf

$$- \frac{x (60 x + 1)}{(x - 1)^3}$$

Sequence: A098140
Score: 24.9519
Type of gen. func.: lgdogf

$$- \frac{3 (21 + 40 x)}{(60 x + 1) (x - 1)}$$

Sequence: A098140
Score: 5.57526
Type of gen. func.: ogf

$$-(3032615 f(x) - 61333779) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 60 x^2 - f(x) + x)$$

Sequence: A098140
Score: 6.22239
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 63\}$$

Sequence: A098149
Score: 14.6617
Type of gen. func.: ogf

$$-\frac{1 + 4 x}{x^2 + 3 x + 1}$$

Sequence: A098149
Score: 17.8572
Type of gen. func.: revogf

$$\frac{-1 - 3 x + (5 x^2 - 10 x + 1)^{1/2}}{2 (4 + x)}$$

Sequence: A098149
Score: 19.8980
Type of gen. func.: lgdogf

$$-\frac{4 x^2 + 2 x - 1}{(1 + 4 x) (x^2 + 3 x + 1)}$$

Sequence: A098149
Score: 7.25029
Type of gen. func.: ogf

$$-(15 f(x) + 14) (f(x) x^2 + 3 f(x) x + f(x) + 4 x + 1)$$

Sequence: A098149
Score: 8.04605
Type of gen. func.: ogf

$$\{a(n + 2) + 3 a(n + 1) + a(n), a(0) = -1, a(1) = -1\}$$

Sequence: A098150
Score: 10.4204
Type of gen. func.: ogf

$$(27 f(x) - 40) (f(x) x^2 + 3 f(x) x + f(x) - 2 x + 3)$$

Sequence: A098150
Score: 10.9226
Type of gen. func.: ogf

$$\{a(n + 2) + 3 a(n + 1) + a(n), a(0) = -3, a(1) = 11\}$$

Sequence: A098150
Score: 16.6163
Type of gen. func.: revogf

$$\frac{-3 - 3 x + (5 x^2 + 26 x + 9)^{1/2}}{2 (-2 + x)}$$

Sequence: A098150
Score: 18.4626
Type of gen. func.: lgdogf

$$- \frac{2 x^2 - 6 x - 11}{(2 x - 3) (x^2 + 3 x + 1)}$$

Sequence: A098150
Score: 20.1461
Type of gen. func.: ogf

$$\frac{2 x - 3}{x^2 + 3 x + 1}$$

Sequence: A098151
Score: 13.9890
Type of gen. func.: ogf_with_Euler_transform]

```
                                    4    3
                                -2 x  - x  - x - 2
                              - ------------------
                                       6
                                     -x  + 1
```

Sequence: A098153
Score: 6.19125
Type of gen. func.: ogf

```
             7        6            5         4          3       2
     100890 x  - 890 x  + 900890 x  + 90010 x  + 10000 x  + 90 x  + 10 x + 1
   - -----------------------------------------------------------------------
                                      x - 1
```

Sequence: A098154
Score: 5.93251
Type of gen. func.: ogf

```
         7            6             5         4         3       2
(999990 x  - 1001000 x  - 1000000 x  - 9000 x  - 1091 x  - 10 x  - 10 x - 1)/(

    x - 1)
```

Sequence: A098155
Score: 4.02360
Type of gen. func.: ogf

```
           11              10              9           8          7           6
(99999000 x   - 100100000 x   - 99901000 x  - 897990 x  + 99990 x  - 101000 x

               5         4         3       2
     - 208101 x  - 2000 x  - 1091 x  - 10 x  - 10 x - 1)/(x - 1)
```

Sequence: A098156
Score: 11.0400
Type of gen. func.: ogf

```
                                3    2
                               x  + x  - 2 x + 1
                               -----------------
                                           2
                                  (2 x - 1)
```

Sequence: A098156
Score: 14.6630
Type of gen. func.: lgdogf

$$\frac{2 x^3 - 3 x^2 + 2 x - 2}{(2 x - 1) (x^3 + x^2 - 2 x + 1)}$$

Sequence: A098156
Score: 5.85598
Type of gen. func.: ogf

$$\{a(n + 4) - 4 a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 13\}$$

Sequence: A098156
Score: 6.60232
Type of gen. func.: ogf

$$(3 f(x) - 20) (4 f(x) x^2 - x^3 - 4 f(x) x - x^2 + f(x) + 2 x - 1)$$

Sequence: A098177
Score: 10.6508
Type of gen. func.: ogf

$$(x + 1) (x^{12} - 2 x^{11} + 2 x^{10} - 2 x^9 + 2 x^8 - 2 x^7 + 2 x^6 - 2 x^5 + x^4 + x^2 - x + 1) / (x - 1)^2$$

Sequence: A098177
Score: 6.82880
Type of gen. func.: lgdogf

$$(11 x^{13} - 23 x^{12} + 12 x^{11} - 3 x^5 + 7 x^4 - 3 x^3 - 3 x^2 - 2) / ((x - 1) (x + 1) (x^{12} - 2 x^{11} + 2 x^{10} - 2 x^9 + 2 x^8 - 2 x^7 + 2 x^6 - 2 x^5 + x^4 + x^2 - x + 1))$$

Sequence: A098178
Score: 15.2683

Type of gen. func.: ogf

$$-\frac{(x+1)(x^2-x+1)}{(x^2+1)(x-1)}$$

Sequence: A098178
Score: 18.0125
Type of gen. func.: lgdogf

$$-\frac{x^4-2x^3+6x^2-2x+1}{(x-1)(x+1)(x^2+1)(x^2-x+1)}$$

Sequence: A098178
Score: 21.1830
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5+x^3+x^2-x+1$$

Sequence: A098178
Score: 6.64344
Type of gen. func.: ogf

{a(n + 4) - a(n + 3) + a(n + 2) - a(n + 1), a(0) = 1, a(1) = 1, a(2) = 0,

a(3) = 1}

Sequence: A098178
Score: 7.84046
Type of gen. func.: ogf

$$-(2f(x)+5)(f(x)x^3-f(x)x^2+x^3+f(x)x-f(x)+1)$$

Sequence: A098179
Score: 5.14764
Type of gen. func.: ogf

-(27 f(x) + 4)

$$(4 f(x) x^4 - 10 f(x) x^3 + 10 f(x) x^2 - 5 f(x) x - 3 x^2 + f(x) + 3 x - 1)$$

Sequence: A098179
Score: 8.57771
Type of gen. func.: lgdogf

$$-\frac{24 x^5 - 66 x^4 + 76 x^3 - 45 x^2 + 14 x - 2}{(x - 1) (2 x - 1) (3 x^2 - 3 x + 1) (2 x^2 - 2 x + 1)}$$

Sequence: A098179
Score: 9.86027
Type of gen. func.: ogf

$$\frac{3 x^2 - 3 x + 1}{(x - 1) (2 x - 1) (2 x^2 - 2 x + 1)}$$

Sequence: A098180
Score: 13.8169
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 - x + 1)}{(x^2 + 1) (x - 1)^2}$$

Sequence: A098180
Score: 15.7320
Type of gen. func.: lgdogf

$$-\frac{x^5 + x^4 - x^3 + 7 x^2 - 2 x + 2}{(x - 1) (x + 1) (x^2 + 1) (x^2 - x + 1)}$$

Sequence: A098180
Score: 21.8332
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^3 + x^2 - x + 2$$

Sequence: A098180
Score: 4.58215
Type of gen. func.: ogf

$$\{(2 n + 7) a(n + 1) + (-2 n - 5) a(n + 2) + (2 n + 7) a(n + 3) + (-2 n - 5) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 2, a(3) = 3\}$$

Sequence: A098180
Score: 6.85572
Type of gen. func.: ogf

$$-(48 f(x) + 85) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - x^3 - 2 f(x) x + f(x) - 1)$$

Sequence: A098181
Score: 14.7230
Type of gen. func.: ogf

$$\frac{x + 1}{(x^2 + 1) (x - 1)^2}$$

Sequence: A098181
Score: 23.1841
Type of gen. func.: lgdogf

$$-\frac{3 x^3 + 3 x^2 - x + 3}{(x^2 + 1) (x - 1) (x + 1)}$$

Sequence: A098181
Score: 30.8677
Type of gen. func.: ogf_with_Euler_transform]

$$[x^3 - 2 x + 3]$$

Sequence: A098181
Score: 4.58215
Type of gen. func.: ogf

$$\{(2 n + 9) a(n + 1) + (-2 n - 7) a(n + 2) + (2 n + 9) a(n + 3) + (-2 n - 7) a(n + 4), a(0) = 1, a(1) = 3, a(2) = 4, a(3) = 4\}$$

Sequence: A098181
Score: 7.01641
Type of gen. func.: ogf

$$-(64 f(x) + 319) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - 2 f(x) x + f(x) - x - 1)$$

Sequence: A098182
Score: 10.2657
Type of gen. func.: ogf

$$-\frac{(x - 1)^2}{x^3 - x^2 + 3 x - 1}$$

Sequence: A098182
Score: 15.7186
Type of gen. func.: lgdogf

$$-\frac{x^3 - 3 x^2 - x - 1}{(x - 1) (x^3 - x^2 + 3 x - 1)}$$

Sequence: A098182
Score: 5.59116
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 1, a(2) = 3\}$$

Sequence: A098182

Score: 5.64152
Type of gen. func.: ogf

$$(f(x) - 1) (f(x) x^3 - f(x) x^2 + 3 f(x) x + x^2 - f(x) - 2 x + 1)$$

Sequence: A098183
Score: 11.9259
Type of gen. func.: ogf

$$- \frac{(x - 1)^2}{x^3 + 3 x - 1}$$

Sequence: A098183
Score: 16.7308
Type of gen. func.: lgdogf

$$- \frac{x^3 - 3 x^2 - 3 x - 1}{(x - 1) (x^3 + 3 x - 1)}$$

Sequence: A098183
Score: 6.72416
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - a(n), a(0) = 1, a(1) = 1, a(2) = 4\}$$

Sequence: A098183
Score: 8.58117
Type of gen. func.: ogf

$$(7 f(x) - 6) (f(x) x^3 + 3 f(x) x + x^2 - f(x) - 2 x + 1)$$

Sequence: A098184
Score: 10.0788
Type of gen. func.: ogf

$$(x - 1)^2$$

```
- -----------------
    3    2
   x  + x  + 3 x - 1
```

Sequence: A098184
Score: 15.0483
Type of gen. func.: lgdogf

$$-\frac{(x+1)(x^2-4x-1)}{(x-1)(x^3+x^2+3x-1)}$$

Sequence: A098184
Score: 5.30005
Type of gen. func.: ogf

$$-(9 f(x) - 13) (f(x) x^3 + f(x) x^2 + 3 f(x) x + x^2 - f(x) - 2 x + 1)$$

Sequence: A098184
Score: 5.48934
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 1, a(2) = 5\}$$

Sequence: A098207
Score: 2.8962
Type of gen. func.: ogf

$$(21533460861 f(x) - 111604945400)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 4000 x^2 - f(x) + 850 x + 1)$$

Sequence: A098207
Score: 3.30669
Type of gen. func.: ogf

$$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 1, a(1) = 961,$$

$$a(2) = 109561\}$$

Sequence: A098207
Score: 5.67500
Type of gen. func.: ogf

$$-\frac{4000 x^2 + 850 x + 1}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A098209
Score: 3.52937
Type of gen. func.: ogf

$-(187 f(x) + 96)$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 840 x^2 - f(x) + 48 x)$$

Sequence: A098209
Score: 3.58676
Type of gen. func.: ogf

$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 0, a(1) = 48,$

$a(2) = 4488\}$

Sequence: A098209
Score: 6.37466
Type of gen. func.: lgdogf

$$-\frac{70000 x^3 - 44850 x^2 + 4440 x - 187}{(x - 1) (35 x - 2) (100 x - 1) (10 x - 1)}$$

Sequence: A098209
Score: 6.48781
Type of gen. func.: ogf

$$\frac{24 x (35 x - 2)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A098210

Score: 3.55783
Type of gen. func.: ogf

$$-(77 f(x) + 15)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 510 x^2 - f(x) + 15 x)$$

Sequence: A098210
Score: 3.58676
Type of gen. func.: ogf

$$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 0, a(1) = 15, a(2) = 1155\}$$

Sequence: A098210
Score: 6.46980
Type of gen. func.: lgdogf

$$-\frac{68000 x^3 - 40740 x^2 + 2220 x - 77}{(x - 1) (10 x - 1) (34 x - 1) (100 x - 1)}$$

Sequence: A098210
Score: 6.48781
Type of gen. func.: ogf

$$\frac{15 x (34 x - 1)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A098212
Score: 11.9192
Type of gen. func.: lgdogf

$$-\frac{x^4 - 10 x^2 + 48 x + 25}{(x + 1) (x^2 - 6 x + 1) (x^2 - 5)}$$

Sequence: A098212
Score: 12.2557
Type of gen. func.: ogf

$$-\frac{x^2-5}{(x+1)(x^2-6x+1)}$$

Sequence: A098212
Score: 6.0222
Type of gen. func.: ogf

$$-(4055 f(x) - 451) (f(x) x^3 - 5 f(x) x^2 - 5 f(x) x + x^2 + f(x) - 5)$$

Sequence: A098212
Score: 6.07457
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) - 5 a(n + 1) + a(n), a(0) = 5, a(1) = 25, a(2) = 149\}$$

Sequence: A098224
Score: 6.42521
Type of gen. func.: ogf

$$- (145227 x^8 + 90510 x^7 + 33950 x^6 + 10239 x^5 + 2529 x^4 + 510 x^3 + 97 x^2 + 20 x + 4)/(x - 1)$$

Sequence: A098230
Score: 18.9134
Type of gen. func.: ogf

$$-\frac{x(72x+1)}{(x-1)^3}$$

Sequence: A098230
Score: 40.1920
Type of gen. func.: lgdogf

$$-\frac{3(25+48x)}{(72x+1)(x-1)}$$

Sequence: A098230
Score: 8.70619
Type of gen. func.: ogf

$$-(6197627 f(x) - 150133161) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 72 x^2 - f(x) + x)$$

Sequence: A098230
Score: 9.79446
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 75\}$$

Sequence: A098232
Score: 5.18214
Type of gen. func.: ogf

$$-\frac{(2048 x^7 + 512 x^6 + 2 x + 1) (64 x^4 + 8 x^2 + 1)}{524288 x^{12} - 1}$$

Sequence: A098244
Score: 12.0591
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x + 170}{(x - 1) (x^2 - 171 x + 1)}$$

Sequence: A098244
Score: 4.88314
Type of gen. func.: ogf

$$\{a(n + 2) - 171 a(n + 1) + a(n), a(0) = 1, a(1) = 170\}$$

Sequence: A098244
Score: 6.33374

Type of gen. func.: ogf

$$-(7267 f(x) - 42) (f(x) x^2 - 171 f(x) x + f(x) + x - 1)$$

Sequence: A098244
Score: 8.72362
Type of gen. func.: revogf

$$-\frac{-1 - 171 x + (29237 x^2 + 338 x + 1)^{1/2}}{2 (x + 1)}$$

Sequence: A098244
Score: 8.93511
Type of gen. func.: ogf

$$-\frac{x - 1}{x^2 - 171 x + 1}$$

Sequence: A098245
Score: 12.5665
Type of gen. func.: ogf

$$\frac{1}{x^2 - 227 x + 1}$$

Sequence: A098245
Score: 17.1956
Type of gen. func.: lgdogf

$$-\frac{-227 + 2 x}{x^2 - 227 x + 1}$$

Sequence: A098245
Score: 5.0555
Type of gen. func.: ogf

$$(51527 f(x) + 2) (f(x) x^2 - 227 f(x) x + f(x) - 1)$$

Sequence: A098245
Score: 5.11429
Type of gen. func.: ogf

$$\{-a(n + 2) + 227 a(n + 1) - a(n), a(0) = 1, a(1) = 227\}$$

Sequence: A098245
Score: 8.77325
Type of gen. func.: revogf

$$- \frac{-227 x - 1 + (225 x + 1)^{1/2} (229 x + 1)^{1/2}}{2 x}$$

Sequence: A098246
Score: 12.2826
Type of gen. func.: lgdogf

$$- \frac{x^2 + 2 x - 228}{(x + 1) (x^2 - 227 x + 1)}$$

Sequence: A098246
Score: 4.72934
Type of gen. func.: ogf

$$(25877 f(x) + 115) (f(x) x^2 - 227 f(x) x + f(x) - x - 1)$$

Sequence: A098246
Score: 5.11429
Type of gen. func.: ogf

$$\{-a(n + 2) + 227 a(n + 1) - a(n), a(0) = 1, a(1) = 228\}$$

Sequence: A098246

Score: 9.14658
Type of gen. func.: revogf

$$-\frac{-1 - 227 x + (51525 x^2 + 458 x + 1)^{1/2}}{2 (x - 1)}$$

Sequence: A098246
Score: 9.35806
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - 227 x + 1}$$

Sequence: A098247
Score: 12.6438
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x + 226}{(x - 1) (x^2 - 227 x + 1)}$$

Sequence: A098247
Score: 4.58155
Type of gen. func.: ogf

$$-(12825 f(x) - 56) (f(x) x^2 - 227 f(x) x + f(x) + x - 1)$$

Sequence: A098247
Score: 5.11429
Type of gen. func.: ogf

$$\{a(n + 2) - 227 a(n + 1) + a(n), a(0) = 1, a(1) = 226\}$$

Sequence: A098247
Score: 9.14658
Type of gen. func.: revogf

$${}^{2} \qquad {}^{1/2}$$

$$-\frac{-1 - 227 x + (51525 x + 450 x + 1)}{2 (x + 1)}$$

Sequence: A098247
Score: 9.35806
Type of gen. func.: ogf

$$-\frac{x - 1}{x^2 - 227 x + 1}$$

Sequence: A098248
Score: 13.0635
Type of gen. func.: ogf

$$\frac{1}{x^2 - 291 x + 1}$$

Sequence: A098248
Score: 17.8914
Type of gen. func.: lgdogf

$$-\frac{-291 + 2 x}{x^2 - 291 x + 1}$$

Sequence: A098248
Score: 5.25543
Type of gen. func.: ogf

$$(84679 f(x) + 2) (f(x) x^2 - 291 f(x) x + f(x) - 1)$$

Sequence: A098248
Score: 5.31655
Type of gen. func.: ogf

$$\{-a(n + 2) + 291 a(n + 1) - a(n), a(0) = 1, a(1) = 291\}$$

Sequence: A098248
Score: 9.12824
Type of gen. func.: revogf

$$-\frac{-291 x - 1 + (289 x + 1)^{1/2} (293 x + 1)^{1/2}}{2 x}$$

Sequence: A098249
Score: 12.7795
Type of gen. func.: lgdogf

$$-\frac{x^2 + 2 x - 292}{(x + 1) (x^2 - 291 x + 1)}$$

Sequence: A098249
Score: 4.91637
Type of gen. func.: ogf

$$(42485 f(x) + 147) (f(x) x^2 - 291 f(x) x + f(x) - x - 1)$$

Sequence: A098249
Score: 5.31655
Type of gen. func.: ogf

$$\{-a(n + 2) + 291 a(n + 1) - a(n), a(0) = 1, a(1) = 292\}$$

Sequence: A098249
Score: 9.51668
Type of gen. func.: revogf

$$-\frac{-1 - 291 x + (84677 x^2 + 586 x + 1)^{1/2}}{2 (x - 1)}$$

Sequence: A098249
Score: 9.72815
Type of gen. func.: ogf

$$\frac{x+1}{x^{2}-291\,x+1}$$

Sequence: A098250
Score: 13.1554
Type of gen. func.: lgdogf

$$-\frac{x^{2}-2\,x+290}{(x-1)\,(x^{2}-291\,x+1)}$$

Sequence: A098250
Score: 5.31655
Type of gen. func.: ogf

$$\{a(n+2)-291\,a(n+1)+a(n),\ a(0)=1,\ a(1)=290\}$$

Sequence: A098250
Score: 6.84505
Type of gen. func.: ogf

$$-(21097\,f(x)-72)\,(f(x)\,x^{2}-291\,f(x)\,x+f(x)+x-1)$$

Sequence: A098250
Score: 9.51668
Type of gen. func.: revogf

$$-\frac{-1-291\,x+(84677\,x^{2}+578\,x+1)^{1/2}}{2\,(x+1)}$$

Sequence: A098250
Score: 9.72815
Type of gen. func.: ogf

```
        x - 1
  - --------------
       2
```

$$x - 291 x + 1$$

Sequence: A098251
Score: 13.5605
Type of gen. func.: ogf

$$\frac{1}{x^2 - 363 x + 1}$$

Sequence: A098251
Score: 18.5871
Type of gen. func.: lgdogf

$$-\frac{-363 + 2 x}{x^2 - 363 x + 1}$$

Sequence: A098251
Score: 5.39338
Type of gen. func.: ogf

$$(131767 f(x) + 2) (f(x) x^2 - 363 f(x) x + f(x) - 1)$$

Sequence: A098251
Score: 5.51881
Type of gen. func.: ogf

$$\{-a(n + 2) + 363 a(n + 1) - a(n), a(0) = 1, a(1) = 363\}$$

Sequence: A098251
Score: 9.48323
Type of gen. func.: revogf

$$-\frac{-363 x - 1 + (365 x + 1)^{1/2} (361 x + 1)^{1/2}}{2 x}$$

Sequence: A098252
Score: 10.0983
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - 363 x + 1}$$

Sequence: A098252
Score: 13.2765
Type of gen. func.: lgdogf

$$-\frac{x^2 + 2 x - 364}{(x + 1) (x^2 - 363 x + 1)}$$

Sequence: A098252
Score: 5.10341
Type of gen. func.: ogf

$$(66065 f(x) + 183) (f(x) x^2 - 363 f(x) x + f(x) - x - 1)$$

Sequence: A098252
Score: 5.51881
Type of gen. func.: ogf

$$\{-a(n + 2) + 363 a(n + 1) - a(n), a(0) = 1, a(1) = 364\}$$

Sequence: A098252
Score: 9.68080
Type of gen. func.: revogf

$$-\frac{-1 - 363 x + (131765 x^2 + 730 x + 1)^{1/2}}{2 (x - 1)}$$

Sequence: A098253
Score: 10.0983
Type of gen. func.: ogf

$$-\frac{x - 1}{x^2 - 363 x + 1}$$

Sequence: A098253
Score: 13.6670
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x + 362}{(x - 1) (x^2 - 363 x + 1)}$$

Sequence: A098253
Score: 5.51881
Type of gen. func.: ogf

$$\{a(n + 2) - 363 a(n + 1) + a(n), a(0) = 1, a(1) = 362\}$$

Sequence: A098253
Score: 7.09247
Type of gen. func.: ogf

$$-(32851 f(x) - 90) (f(x) x^2 - 363 f(x) x + f(x) + x - 1)$$

Sequence: A098253
Score: 9.68080
Type of gen. func.: revogf

$$-\frac{-1 - 363 x + (131765 x^2 + 722 x + 1)^{1/2}}{2 (x + 1)}$$

Sequence: A098254
Score: 13.9155
Type of gen. func.: ogf

$$\frac{1}{x^2 - 443 x + 1}$$

Sequence: A098254
Score: 19.0841
Type of gen. func.: lgdogf

$$-\frac{-443 + 2 x}{x^2 - 443 x + 1}$$

Sequence: A098254
Score: 5.53456
Type of gen. func.: ogf

$$(196247 f(x) + 2) (f(x) x^2 - 443 f(x) x + f(x) - 1)$$

Sequence: A098254
Score: 5.66328
Type of gen. func.: ogf

$$\{-a(n + 2) + 443 a(n + 1) - a(n), a(0) = 1, a(1) = 443\}$$

Sequence: A098254
Score: 9.73679
Type of gen. func.: revogf

$$-\frac{-443 x - 1 + (445 x + 1)^{1/2} (441 x + 1)^{1/2}}{2 x}$$

Sequence: A098255
Score: 10.3626
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - 443 x + 1}$$

Sequence: A098255
Score: 13.6315

Type of gen. func.: lgdogf

$$-\frac{x^2 + 2 x - 444}{(x + 1) (x^2 - 443 x + 1)}$$

Sequence: A098255
Score: 5.23701
Type of gen. func.: ogf

$$(98345 f(x) + 223) (f(x) x^2 - 443 f(x) x + f(x) - x - 1)$$

Sequence: A098255
Score: 5.66328
Type of gen. func.: ogf

$$\{-a(n + 2) + 443 a(n + 1) - a(n), a(0) = 1, a(1) = 444\}$$

Sequence: A098255
Score: 9.93964
Type of gen. func.: revogf

$$-\frac{-1 - 443 x + (196245 x^2 + 890 x + 1)^{1/2}}{2 (x - 1)}$$

Sequence: A098256
Score: 10.3626
Type of gen. func.: ogf

$$-\frac{x - 1}{x^2 - 443 x + 1}$$

Sequence: A098256
Score: 14.0324
Type of gen. func.: lgdogf

$$x^2 - 2 x + 442$$

$$- \frac{\quad}{(x - 1) (x^2 - 443 x + 1)}$$

Sequence: A098256
Score: 5.66328
Type of gen. func.: ogf

$$\{a(n + 2) - 443 a(n + 1) + a(n), a(0) = 1, a(1) = 442\}$$

Sequence: A098256
Score: 7.2098
Type of gen. func.: ogf

$$-(48951 f(x) - 110) (f(x) x^2 - 443 f(x) x + f(x) + x - 1)$$

Sequence: A098256
Score: 9.93964
Type of gen. func.: revogf

$$- \frac{-1 - 443 x + (196245 x^2 + 882 x + 1)^{1/2}}{2 (x + 1)}$$

Sequence: A098257
Score: 14.2705
Type of gen. func.: ogf

$$\frac{1}{x^2 - 531 x + 1}$$

Sequence: A098257
Score: 19.5811
Type of gen. func.: lgdogf

$$- \frac{-531 + 2 x}{x^2 - 531 x + 1}$$

Sequence: A098257
Score: 5.67575
Type of gen. func.: ogf

$$(281959 f(x) + 2) (f(x) x^2 - 531 f(x) x + f(x) - 1)$$

Sequence: A098257
Score: 5.80776
Type of gen. func.: ogf

$$\{-a(n + 2) + 531 a(n + 1) - a(n), a(0) = 1, a(1) = 531\}$$

Sequence: A098257
Score: 9.99035
Type of gen. func.: revogf

$$- \frac{-531 x - 1 + (529 x + 1)^{1/2} (533 x + 1)^{1/2}}{2 x}$$

Sequence: A098258
Score: 10.6270
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - 531 x + 1}$$

Sequence: A098258
Score: 13.9865
Type of gen. func.: lgdogf

$$- \frac{x^2 + 2 x - 532}{(x + 1) (x^2 - 531 x + 1)}$$

Sequence: A098258
Score: 5.31347
Type of gen. func.: ogf

$$(141245 f(x) + 267) (f(x) x^2 - 531 f(x) x + f(x) - x - 1)$$

Sequence: A098258
Score: 5.80776
Type of gen. func.: ogf

$$\{-a(n + 2) + 531 a(n + 1) - a(n), a(0) = 1, a(1) = 532\}$$

Sequence: A098258
Score: 9.99035
Type of gen. func.: revogf

$$- \frac{-1 - 531 x + (281957 x^2 + 1066 x + 1)^{1/2}}{2 (x - 1)}$$

Sequence: A098259
Score: 10.6270
Type of gen. func.: ogf

$$- \frac{x - 1}{x^2 - 531 x + 1}$$

Sequence: A098259
Score: 14.3979
Type of gen. func.: lgdogf

$$- \frac{x^2 - 2 x + 530}{(x - 1) (x^2 - 531 x + 1)}$$

Sequence: A098259
Score: 5.14914
Type of gen. func.: ogf

$$-(70357 f(x) - 132) (f(x) x^2 - 531 f(x) x + f(x) + x - 1)$$

Sequence: A098259
Score: 5.80776
Type of gen. func.: ogf

$$\{a(n + 2) - 531 a(n + 1) + a(n), a(0) = 1, a(1) = 530\}$$

Sequence: A098259
Score: 9.99035
Type of gen. func.: revogf

$$-\frac{-1 - 531 x + (281957 x^2 + 1058 x + 1)^{1/2}}{2 (x + 1)}$$

Sequence: A098260
Score: 11.8525
Type of gen. func.: ogf

$$\frac{1}{x^2 - 627 x + 1}$$

Sequence: A098260
Score: 16.2098
Type of gen. func.: lgdogf

$$-\frac{-627 + 2 x}{x^2 - 627 x + 1}$$

Sequence: A098260
Score: 4.71404
Type of gen. func.: ogf

$$(393127 f(x) + 2) (f(x) x^2 - 627 f(x) x + f(x) - 1)$$

Sequence: A098260
Score: 4.82369

Type of gen. func.: ogf

$$\{-a(n+2)+627\,a(n+1)-a(n),\ a(0)=1,\ a(1)=627\}$$

Sequence: A098260
Score: 8.27031
Type of gen. func.: revogf

$$-\frac{-1-627\,x+(625\,x+1)^{1/2}\,(629\,x+1)^{1/2}}{2\,x}$$

Sequence: A098261
Score: 11.5784
Type of gen. func.: lgdogf

$$-\frac{x^2+2\,x-628}{(x+1)\,(x^2-627\,x+1)}$$

Sequence: A098261
Score: 4.41315
Type of gen. func.: ogf

$$(196877\,f(x)+315)\,(f(x)\,x^2-627\,f(x)\,x+f(x)-x-1)$$

Sequence: A098261
Score: 4.82369
Type of gen. func.: ogf

$$\{-a(n+2)+627\,a(n+1)-a(n),\ a(0)=1,\ a(1)=628\}$$

Sequence: A098261
Score: 8.27031
Type of gen. func.: revogf

$$-\frac{-1-627\,x+(393125\,x^2+1258\,x+1)^{1/2}}{2\,(x-1)}$$

Sequence: A098261
Score: 8.82632
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - 627 x + 1}$$

Sequence: A098262
Score: 11.9190
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x + 626}{(x - 1) (x^2 - 627 x + 1)}$$

Sequence: A098262
Score: 4.27666
Type of gen. func.: ogf

$$-(98125 f(x) - 156) (f(x) x^2 - 627 f(x) x + f(x) + x - 1)$$

Sequence: A098262
Score: 4.82369
Type of gen. func.: ogf

$$\{a(n + 2) - 627 a(n + 1) + a(n), a(0) = 1, a(1) = 626\}$$

Sequence: A098262
Score: 8.27031
Type of gen. func.: revogf

$$-\frac{-1 - 627 x + (393125 x^2 + 1250 x + 1)^{1/2}}{2 (x + 1)}$$

Sequence: A098262

Score: 8.82632
Type of gen. func.: ogf

$$-\frac{x - 1}{x^{2} - 627 x + 1}$$

Sequence: A098263
Score: 12.1265
Type of gen. func.: ogf

$$\frac{1}{x^{2} - 731 x + 1}$$

Sequence: A098263
Score: 16.5935
Type of gen. func.: lgdogf

$$-\frac{-731 + 2 x}{x^{2} - 731 x + 1}$$

Sequence: A098263
Score: 4.82304
Type of gen. func.: ogf

$$(534359 f(x) + 2) (f(x) x^{2} - 731 f(x) x + f(x) - 1)$$

Sequence: A098263
Score: 4.93521
Type of gen. func.: ogf

$$\{-a(n + 2) + 731 a(n + 1) - a(n), a(0) = 1, a(1) = 731\}$$

Sequence: A098263
Score: 8.46606
Type of gen. func.: revogf

$$-1 - 731 x + (733 x + 1)^{1/2} (729 x + 1)^{1/2}$$

```
          - ------------------------------------------
                               2 x
```

Sequence: A098264
Score: 12.1714
Type of gen. func.: ogf

$$19 f(x)^2 x^2 + 2 f(x)^2 x - f(x)^2 + 1$$

Sequence: A098264
Score: 31.9206
Type of gen. func.: lgdogf

$$- \frac{1 + 19 x}{19 x^2 + 2 x - 1}$$

Sequence: A098264
Score: 5.09130
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-2 n - 5) a(n + 2) + (-38 - 19 n) a(n + 1), a(0) = 1,

a(1) = 1, a(2) = 11}

Sequence: A098265
Score: 12.6743
Type of gen. func.: ogf

$$23 f(x)^2 x^2 + 2 f(x)^2 x - f(x)^2 + 1$$

Sequence: A098265
Score: 33.2618
Type of gen. func.: lgdogf

$$- \frac{23 x + 1}{23 x^2 + 2 x - 1}$$

Sequence: A098265
Score: 5.30169
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-2 n - 5) a(n + 2) + (-46 - 23 n) a(n + 1), a(0) = 1, a(1) = 1, a(2) = 13\}$$

Sequence: A098269
Score: 20.8949
Type of gen. func.: lgdogf

$$-\frac{4 (-2 + x)}{4 x^2 - 16 x + 1}$$

Sequence: A098269
Score: 3.35171
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 3) + (40 + 16 n) a(n + 2) + (-8 - 4 n) a(n + 1), a(0) = 1, a(1) = 8, a(2) = 94\}$$

Sequence: A098269
Score: 8.01268
Type of gen. func.: ogf

$$4 f(x)^2 x^2 - 16 f(x)^2 x + f(x)^2 - 1$$

Sequence: A098270
Score: 20.8132
Type of gen. func.: lgdogf

$$-\frac{2 (-5 + 2 x)}{4 x^2 - 20 x + 1}$$

Sequence: A098270
Score: 3.56436
Type of gen. func.: ogf

```
{(-n - 3) a(n + 3) + (50 + 20 n) a(n + 2) + (-8 - 4 n) a(n + 1), a(0) = 1,

    a(1) = 10, a(2) = 148}


------------------------------------------------------------------------------

Sequence:  A098270
Score: 8.63245
Type of gen. func.: ogf

                            2  2          2          2
                      4 f(x)  x  - 20 f(x)  x + f(x)  - 1


------------------------------------------------------------------------------

Sequence:  A098272
Score: 13.6132
Type of gen. func.: ogf

                                              3
                              -2 + f(x) - f(x)  x


------------------------------------------------------------------------------

Sequence:  A098272
Score: 23.7743
Type of gen. func.: revogf

                                            1/2
                              (1 + (1 - 8 x)   ) x
                              --------------------
                                       4


------------------------------------------------------------------------------

Sequence:  A098272
Score: 4.42970
Type of gen. func.: ogf

       2                                2
{(-54 n  - 162 n - 120) a(n + 1) + (2 n  + 9 n + 10) a(n + 2), a(0) = 2,

    a(1) = 8}


------------------------------------------------------------------------------

Sequence:  A098272
Score: 9.62314
Type of gen. func.: ogf

                      2 hypergeom([1/3, 2/3], [3/2], 27 x)


------------------------------------------------------------------------------
```

Sequence: A098290
Score: 8.52963
Type of gen. func.: ogf

$$-\frac{x\,(158\,x^{6}+392\,x^{5}+380\,x^{4}+208\,x^{3}+10\,x^{2}+x+2)}{(x-1)\,(x^{4}+x^{3}+x^{2}+x+1)}$$

Sequence: A098291
Score: 11.8525
Type of gen. func.: lgdogf

$$-\frac{x^{2}+2\,x-732}{(x+1)\,(x^{2}-731\,x+1)}$$

Sequence: A098291
Score: 4.51519
Type of gen. func.: ogf

$$(267545\,f(x)+367)\,(f(x)\,x^{2}-731\,f(x)\,x+f(x)-x-1)$$

Sequence: A098291
Score: 4.93521
Type of gen. func.: ogf

$$\{-a(n+2)+731\,a(n+1)-a(n),\ a(0)=1,\ a(1)=732\}$$

Sequence: A098291
Score: 8.46606
Type of gen. func.: revogf

$$-\frac{-1-731\,x+(534357\,x^{2}+1466\,x+1)^{1/2}}{2\,(x-1)}$$

Sequence: A098291
Score: 9.03038
Type of gen. func.: ogf

$$\frac{x+1}{x^2-731x+1}$$

Sequence: A098292
Score: 12.2011
Type of gen. func.: lgdogf

$$-\frac{x^2-2x+730}{(x-1)(x^2-731x+1)}$$

Sequence: A098292
Score: 4.33089
Type of gen. func.: ogf

$$-(133407 f(x) - 182) (f(x) x^2 - 731 f(x) x + f(x) + x - 1)$$

Sequence: A098292
Score: 4.93521
Type of gen. func.: ogf

$$\{a(n+2) - 731 a(n+1) + a(n), a(0) = 1, a(1) = 730\}$$

Sequence: A098292
Score: 8.46606
Type of gen. func.: revogf

$$-\frac{-1-731x+(534357x^2+1458x+1)^{1/2}}{2(x+1)}$$

Sequence: A098292
Score: 9.03038
Type of gen. func.: ogf

x - 1
- --------------
2

$$x - 731 x + 1$$

Sequence: A098293
Score: 11.3289
Type of gen. func.: ogf

$$- \frac{(2 x + 1) (x^2 + x - 1)}{(3 x^2 - 1) (2 x^2 - 1)}$$

Sequence: A098293
Score: 9.32121
Type of gen. func.: ogf

$$-6 f(x) x^4 + 5 f(x) x^2 - 2 x^3 - 3 x^2 - f(x) + x + 1$$

Sequence: A098293
Score: 9.37300
Type of gen. func.: lgdogf

$$- \frac{12 x^6 + 36 x^5 - 8 x^4 - 24 x^3 - x^2 + 4 x + 1}{(2 x + 1) (3 x^2 - 1) (x^2 + x - 1) (2 x^2 - 1)}$$

Sequence: A098296
Score: 10.0027
Type of gen. func.: ogf

$$- \frac{x (x + 1)}{(x - 1) (x^2 - 9 x + 1)}$$

Sequence: A098296
Score: 12.6342
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 7 x^2 - 20 x + 11}{{}^{2}}$$

$$(x - 1) (x + 1) (x - 9 x + 1)$$

Sequence: A098296
Score: 5.17683
Type of gen. func.: ogf

$$\{a(n + 3) - 10 a(n + 2) + 10 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 11\}$$

Sequence: A098296
Score: 5.36508
Type of gen. func.: ogf

$$(11 f(x) + 1) (f(x) x^3 - 10 f(x) x^2 + 10 f(x) x + x^2 - f(x) + x)$$

Sequence: A098297
Score: 12.1618
Type of gen. func.: lgdogf

$$- \frac{2 (x^3 - 4 x^2 - 11 x + 6)}{(x - 1) (x + 1) (x^2 - 10 x + 1)}$$

Sequence: A098297
Score: 4.98489
Type of gen. func.: ogf

$$\{a(n + 3) - 11 a(n + 2) + 11 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 12\}$$

Sequence: A098297
Score: 5.16615
Type of gen. func.: ogf

$$(12 f(x) + 1) (f(x) x^3 - 11 f(x) x^2 + 11 f(x) x + x^2 - f(x) + x)$$

Sequence: A098297
Score: 9.63181
Type of gen. func.: ogf

$$-\frac{x (x + 1)}{(x - 1) (x^2 - 10 x + 1)}$$

Sequence: A098298
Score: 11.9031
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 9 x^2 - 24 x + 13}{(x - 1) (x + 1) (x^2 - 11 x + 1)}$$

Sequence: A098298
Score: 12.0749
Type of gen. func.: ogf

$$-\frac{x (x + 1)}{(x - 1) (x^2 - 11 x + 1)}$$

Sequence: A098298
Score: 6.24928
Type of gen. func.: ogf

$$\{a(n + 3) - 12 a(n + 2) + 12 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 13\}$$

Sequence: A098298
Score: 6.47653
Type of gen. func.: ogf

$$(13 f(x) + 1) (f(x) x^3 - 12 f(x) x^2 + 12 f(x) x + x^2 - f(x) + x)$$

Sequence: A098299
Score: 10.9960
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - 5 x^2 - 13 x + 7)}{\quad{}^2}$$

$$(x - 1) (x + 1) (x - 12 x + 1)$$

Sequence: A098299
Score: 4.51304
Type of gen. func.: ogf

$$\{a(n + 3) - 13 a(n + 2) + 13 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 14\}$$

Sequence: A098299
Score: 4.67715
Type of gen. func.: ogf

$$(14 f(x) + 1) (f(x) x^{3} - 13 f(x) x^{2} + 13 f(x) x + x^{2} - f(x) + x)$$

Sequence: A098299
Score: 8.72010
Type of gen. func.: ogf

$$-\frac{x (x + 1)}{(x - 1) (x^{2} - 12 x + 1)}$$

Sequence: A098300
Score: 10.7787
Type of gen. func.: lgdogf

$$-\frac{2 x^{3} - 11 x^{2} - 28 x + 15}{(x - 1) (x + 1) (x^{2} - 13 x + 1)}$$

Sequence: A098300
Score: 4.61445
Type of gen. func.: ogf

$$\{a(n + 3) - 14 a(n + 2) + 14 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 15\}$$

Sequence: A098300
Score: 4.78225

Type of gen. func.: ogf

$$(15 f(x) + 1) (f(x) x^3 - 14 f(x) x^2 + 14 f(x) x + x^2 - f(x) + x)$$

Sequence: A098300
Score: 8.91605
Type of gen. func.: ogf

$$- \frac{x (x + 1)}{(x - 1) (x^2 - 13 x + 1)}$$

Sequence: A098301
Score: 11.6783
Type of gen. func.: ogf

$$- \frac{x (x + 1)}{(x - 1) (x^2 - 14 x + 1)}$$

Sequence: A098301
Score: 6.04402
Type of gen. func.: ogf

$$\{a(n + 3) - 15 a(n + 2) + 15 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 16\}$$

Sequence: A098301
Score: 6.2638
Type of gen. func.: ogf

$$(16 f(x) + 1) (f(x) x^3 - 15 f(x) x^2 + 15 f(x) x + x^2 - f(x) + x)$$

Sequence: A098302
Score: 11.2604
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 13 x^2 - 32 x + 17}{(x - 1) (x + 1) (x^2 - 15 x + 1)}$$

Sequence: A098302
Score: 4.81728
Type of gen. func.: ogf

$$\{a(n + 3) - 16 a(n + 2) + 16 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 17\}$$

Sequence: A098302
Score: 4.99246
Type of gen. func.: ogf

$$(17 f(x) + 1) (f(x) x^{3} - 16 f(x) x^{2} + 16 f(x) x + x^{2} - f(x) + x)$$

Sequence: A098302
Score: 9.30797
Type of gen. func.: ogf

$$- \frac{x (x + 1)}{(x - 1) (x^{2} - 15 x + 1)}$$

Sequence: A098303
Score: 10.5322
Type of gen. func.: lgdogf

$$- \frac{2 (x^{3} - 7 x^{2} - 17 x + 9)}{(x - 1) (x + 1) (x^{2} - 16 x + 1)}$$

Sequence: A098303
Score: 4.32438
Type of gen. func.: ogf

$$\{a(n + 3) - 17 a(n + 2) + 17 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 18\}$$

Sequence: A098303
Score: 4.48163
Type of gen. func.: ogf

$$(18 f(x) + 1) (f(x) x^3 - 17 f(x) x^2 + 17 f(x) x + x^2 - f(x) + x)$$

Sequence: A098303
Score: 8.35558
Type of gen. func.: ogf

$$-\frac{x (x + 1)}{(x - 1) (x^2 - 16 x + 1)}$$

Sequence: A098304
Score: 10.2704
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 15 x^2 - 36 x + 19}{(x - 1) (x + 1) (x^2 - 17 x + 1)}$$

Sequence: A098304
Score: 4.39893
Type of gen. func.: ogf

$$\{a(n + 3) - 18 a(n + 2) + 18 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 19\}$$

Sequence: A098304
Score: 4.5589
Type of gen. func.: ogf

$$(19 f(x) + 1) (f(x) x^3 - 18 f(x) x^2 + 18 f(x) x + x^2 - f(x) + x)$$

Sequence: A098304
Score: 8.49963
Type of gen. func.: ogf

$$-\frac{x (x + 1)}{(x - 1) (x^2 - 17 x + 1)}$$

Sequence: A098305
Score: 10.2018
Type of gen. func.: ogf

$$-\frac{x (x - 1)}{(x + 1) (x^2 - 7 x + 1)}$$

Sequence: A098305
Score: 12.7193
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 9 x^2 + 12 x + 5}{(x - 1) (x + 1) (x^2 - 7 x + 1)}$$

Sequence: A098305
Score: 5.23877
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) - 6 a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 5\}$$

Sequence: A098305
Score: 7.36596
Type of gen. func.: ogf

$$(5 f(x) + 1) (f(x) x^3 - 6 f(x) x^2 - 6 f(x) x + x^2 + f(x) - x)$$

Sequence: A098306
Score: 10.8428
Type of gen. func.: ogf

$$-\frac{x (x - 1)}{(x + 1) (x^2 - 8 x + 1)}$$

Sequence: A098306

Score: 13.8387
Type of gen. func.: lgdogf

$$-\frac{2\,(x^3 - 5\,x^2 + 7\,x + 3)}{(x - 1)\,(x + 1)\,(x^2 - 8\,x + 1)}$$

Sequence: A098306
Score: 5.56791
Type of gen. func.: ogf

$$\{a(n + 3) - 7\,a(n + 2) - 7\,a(n + 1) + a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 6\}$$

Sequence: A098306
Score: 5.77606
Type of gen. func.: ogf

$$(6\,f(x) + 1)\,(f(x)\,x^3 - 7\,f(x)\,x^2 - 7\,f(x)\,x + x^2 + f(x) - x)$$

Sequence: A098307
Score: 10.1960
Type of gen. func.: ogf

$$-\frac{x\,(x - 1)}{(x + 1)\,(x^2 - 9\,x + 1)}$$

Sequence: A098307
Score: 12.4388
Type of gen. func.: lgdogf

$$-\frac{2\,x^3 - 11\,x^2 + 16\,x + 7}{(x - 1)\,(x + 1)\,(x^2 - 9\,x + 1)}$$

Sequence: A098307
Score: 5.23578
Type of gen. func.: ogf

$\{a(n + 3) - 8 a(n + 2) - 8 a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 7\}$

Sequence: A098307
Score: 5.43151
Type of gen. func.: ogf

$$(7 f(x) + 1) (f(x) x^3 - 8 f(x) x^2 - 8 f(x) x + x^2 + f(x) - x)$$

Sequence: A098308
Score: 10.2485
Type of gen. func.: ogf

$$-\frac{x (x - 1)}{(x + 1) (x^2 - 10 x + 1)}$$

Sequence: A098308
Score: 12.7818
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - 6 x^2 + 9 x + 4)}{(x - 1) (x + 1) (x^2 - 10 x + 1)}$$

Sequence: A098308
Score: 5.26277
Type of gen. func.: ogf

$\{a(n + 3) - 9 a(n + 2) - 9 a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 8\}$

Sequence: A098308
Score: 5.45951
Type of gen. func.: ogf

$$(8 f(x) + 1) (f(x) x^3 - 9 f(x) x^2 - 9 f(x) x + x^2 + f(x) - x)$$

Sequence: A098309

Score: 12.3329
Type of gen. func.: ogf

$$-\frac{x (x - 1)}{(x + 1) (x^2 - 12 x + 1)}$$

Sequence: A098309
Score: 12.3538
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - 7 x^2 + 11 x + 5)}{(x - 1) (x + 1) (x^2 - 12 x + 1)}$$

Sequence: A098309
Score: 6.38281
Type of gen. func.: ogf

$$\{a(n + 3) - 11 a(n + 2) - 11 a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 10\}$$

Sequence: A098309
Score: 6.61492
Type of gen. func.: ogf

$$(10 f(x) + 1) (f(x) x^3 - 11 f(x) x^2 - 11 f(x) x + x^2 + f(x) - x)$$

Sequence: A098310
Score: 10.7185
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 15 x^2 + 24 x + 11}{(x - 1) (x + 1) (x^2 - 13 x + 1)}$$

Sequence: A098310
Score: 4.58910
Type of gen. func.: ogf

$\{a(n+3) - 12 a(n+2) - 12 a(n+1) + a(n), a(0) = 0, a(1) = 1, a(2) = 11\}$

Sequence: A098310
Score: 4.75598
Type of gen. func.: ogf

$$(11 f(x) + 1) (f(x) x^3 - 12 f(x) x^2 - 12 f(x) x + x^2 + f(x) - x)$$

Sequence: A098310
Score: 8.86707
Type of gen. func.: ogf

$$- \frac{x (x - 1)}{(x + 1) (x^2 - 13 x + 1)}$$

Sequence: A098325
Score: 7.33694
Type of gen. func.: ogf

$$\frac{x (41 x^8 + 16 x^7 + 17 x^6 + 140 x^5 - 179 x^4 + 36 x^3 - 65 x^2 - x - 9)}{x - 1}$$

Sequence: A098329
Score: 12.2653
Type of gen. func.: ogf

$$31 f(x)^2 x^2 + 2 f(x)^2 x - f(x)^2 + 1$$

Sequence: A098329
Score: 32.1778
Type of gen. func.: lgdogf

$$- \frac{31 x + 1}{31 x^2 + 2 x - 1}$$

Sequence: A098329
Score: 5.13058
Type of gen. func.: ogf

$$\{(n + 3)\, a(n + 3) + (-2 n - 5)\, a(n + 2) + (-62 - 31 n)\, a(n + 1),\ a(0) = 1,\ a(1) = 1,\ a(2) = 17\}$$

Sequence: A098331
Score: 10.1929
Type of gen. func.: ogf

$$5 f(x)^2 x^2 - 2 f(x)^2 x + f(x)^2 - 1$$

Sequence: A098331
Score: 15.8123
Type of gen. func.: revogf

$$-\frac{(-x + (-(2 x - 1) (2 x + 1))^{1/2}) x}{5 x^2 - 1}$$

Sequence: A098331
Score: 29.5622
Type of gen. func.: lgdogf

$$-\frac{5 x - 1}{5 x^2 - 2 x + 1}$$

Sequence: A098331
Score: 4.25269
Type of gen. func.: ogf

$$\{(-n - 3)\, a(n + 3) + (5 + 2 n)\, a(n + 2) + (-10 - 5 n)\, a(n + 1),\ a(0) = 1,\ a(1) = 1,\ a(2) = -1\}$$

Sequence: A098332
Score: 27.5458
Type of gen. func.: lgdogf

$$-\frac{9x-1}{9x^2-2x+1}$$

Sequence: A098332
Score: 3.79752
Type of gen. func.: ogf

{(-n - 3) a(n + 3) + (5 + 2 n) a(n + 2) + (-9 n - 18) a(n + 1), a(0) = 1,

a(1) = 1, a(2) = -3}

Sequence: A098332
Score: 9.10198
Type of gen. func.: ogf

$$9 f(x)^2 x^2 - 2 f(x)^2 x + f(x)^2 - 1$$

Sequence: A098333
Score: 23.1362
Type of gen. func.: lgdogf

$$-\frac{13x-1}{13x^2-2x+1}$$

Sequence: A098333
Score: 3.63803
Type of gen. func.: ogf

{(-n - 3) a(n + 3) + (5 + 2 n) a(n + 2) + (-26 - 13 n) a(n + 1), a(0) = 1,

a(1) = 1, a(2) = -5}

Sequence: A098333
Score: 8.64033
Type of gen. func.: ogf

$$13 f(x)^2 x^2 - 2 f(x)^2 x + f(x)^2 - 1$$

Sequence: A098334
Score: 11.0979
Type of gen. func.: ogf

$$17 f(x)^2 x^2 - 2 f(x)^2 x + f(x)^2 - 1$$

Sequence: A098334
Score: 22.5755
Type of gen. func.: lgdogf

$$- \frac{-1 + 17 x}{17 x^2 - 2 x + 1}$$

Sequence: A098334
Score: 4.67280
Type of gen. func.: ogf

$\{(-n - 3) a(n + 3) + (5 + 2 n) a(n + 2) + (-34 - 17 n) a(n + 1), a(0) = 1,$

$a(1) = 1, a(2) = -7\}$

Sequence: A098335
Score: 24.1642
Type of gen. func.: lgdogf

$$- \frac{2 (4 x - 1)}{8 x^2 - 4 x + 1}$$

Sequence: A098335
Score: 3.64393
Type of gen. func.: ogf

$\{(-n - 3) a(n + 3) + (10 + 4 n) a(n + 2) + (-8 n - 16) a(n + 1), a(0) = 1,$

$a(1) = 2, a(2) = 2\}$

Sequence: A098335

Score: 8.79169
Type of gen. func.: ogf

$$8 f(x)^2 x^2 - 4 f(x)^2 x + f(x)^2 - 1$$

Sequence: A098336
Score: 17.1674
Type of gen. func.: revogf

$$-\frac{(-2 x + (-8 x^2 + 1)^{1/2}) x}{12 x^2 - 1}$$

Sequence: A098336
Score: 24.7210
Type of gen. func.: lgdogf

$$-\frac{2 (6 x - 1)}{12 x^2 - 4 x + 1}$$

Sequence: A098336
Score: 3.87536
Type of gen. func.: ogf

$\{(-n - 3) a(n + 3) + (10 + 4 n) a(n + 2) + (-12 n - 24) a(n + 1), a(0) = 1,$

$a(1) = 2, a(2) = 0\}$

Sequence: A098336
Score: 9.20397
Type of gen. func.: ogf

$$-12 f(x)^2 x^2 + 4 f(x)^2 x - f(x)^2 + 1$$

Sequence: A098337
Score: 21.1617
Type of gen. func.: lgdogf

$$2 (10 x - 1)$$

$$-\frac{}{20 x^2 - 4 x + 1}$$

Sequence: A098337
Score: 3.43449
Type of gen. func.: ogf

{(-n - 3) a(n + 3) + (10 + 4 n) a(n + 2) + (-40 - 20 n) a(n + 1), a(0) = 1,

a(1) = 2, a(2) = -4}

Sequence: A098337
Score: 8.21058
Type of gen. func.: ogf

$$20 f(x)^2 x^2 - 4 f(x)^2 x + f(x)^2 - 1$$

Sequence: A098338
Score: 13.6453
Type of gen. func.: revogf

$$-\frac{(-3 x + (-(2 x - 1) (2 x + 1))^{1/2}) x}{13 x^2 - 1}$$

Sequence: A098338
Score: 25.1073
Type of gen. func.: lgdogf

$$-\frac{-3 + 13 x}{13 x^2 - 6 x + 1}$$

Sequence: A098338
Score: 3.97626
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-15 - 6 n) a(n + 2) + (26 + 13 n) a(n + 1), a(0) = 1,

a(1) = 3, a(2) = 7}

Sequence: A098338
Score: 9.50574
Type of gen. func.: ogf

$$-13 f(x)^2 x^2 + 6 f(x)^2 x - f(x)^2 + 1$$

Sequence: A098339
Score: 15.6775
Type of gen. func.: revogf

$$-\frac{(-3 x + (-8 x^2 + 1)^{1/2}) x}{17 x^2 - 1}$$

Sequence: A098339
Score: 23.2026
Type of gen. func.: lgdogf

$$-\frac{-3 + 17 x}{17 x^2 - 6 x + 1}$$

Sequence: A098339
Score: 3.62733
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-15 - 6 n) a(n + 2) + (34 + 17 n) a(n + 1), a(0) = 1,

a(1) = 3, a(2) = 5}

Sequence: A098339
Score: 8.6716
Type of gen. func.: ogf

$$17 f(x)^2 x^2 - 6 f(x)^2 x + f(x)^2 - 1$$

Sequence: A098340

Score: 12.0651
Type of gen. func.: ogf

$$-21 f(x)^2 x^2 + 6 f(x)^2 x - f(x)^2 + 1$$

Sequence: A098340
Score: 21.3995
Type of gen. func.: lgdogf

$$-\frac{3 (7 x - 1)}{21 x^2 - 6 x + 1}$$

Sequence: A098340
Score: 3.49510
Type of gen. func.: ogf

{(-n - 3) a(n + 3) + (15 + 6 n) a(n + 2) + (-42 - 21 n) a(n + 1), a(0) = 1,

a(1) = 3, a(2) = 3}

Sequence: A098341
Score: 12.7301
Type of gen. func.: revogf

$$-\frac{(-3 x + (-(4 x - 1) (1 + 4 x))^{1/2}) x}{(5 x - 1) (5 x + 1)}$$

Sequence: A098341
Score: 25.4602
Type of gen. func.: lgdogf

$$-\frac{-3 + 25 x}{25 x^2 - 6 x + 1}$$

Sequence: A098341
Score: 4.03720
Type of gen. func.: ogf

$$\{(-n - 3)\, a(n + 3) + (15 + 6 n)\, a(n + 2) + (-25 n - 50)\, a(n + 1),\ a(0) = 1,\ a(1) = 3,\ a(2) = 1\}$$

Sequence: A098341
Score: 9.65144
Type of gen. func.: ogf

$$-25 f(x)^2 x^2 + 6 f(x)^2 x - f(x)^2 + 1$$

Sequence: A098347
Score: 10.1593
Type of gen. func.: ogf

$$-\frac{2 x^2 - 2 x - 1}{3 x^3 - 3 x^2 - 3 x + 1}$$

Sequence: A098347
Score: 5.07968
Type of gen. func.: ogf

$$-(10359 f(x) + 3457) (3 f(x) x^3 - 3 f(x) x^2 - 3 f(x) x + 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A098347
Score: 5.48425
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 3 a(n + 1) + 3 a(n),\ a(0) = 1,\ a(1) = 5,\ a(2) = 16\}$$

Sequence: A098347
Score: 9.95094
Type of gen. func.: lgdogf

$$-\frac{6 x^4 - 12 x^3 + 3 x^2 + 2 x + 5}{(2 x^2 - 2 x - 1) (3 x^3 - 3 x^2 - 3 x + 1)}$$

Sequence: A098378
Score: 32.5976
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{18}+x^{9}+1$$

Sequence: A098378
Score: 5.24046
Type of gen. func.: ogf

$$-(x^{18}+x^{17}+x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1) / ((x-1)(x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1))$$

Sequence: A098382
Score: 7.03904
Type of gen. func.: ogf

$$-\frac{4x^{32}-2x^{31}-2x^{29}+2x^{22}-2x^{21}+2x^{12}-2x^{11}+2x^{7}-2x^{5}-1}{(x+1)(x-1)^{2}}$$

Sequence: A098385
Score: 5.89927
Type of gen. func.: ogf

$$(100 f(x)-453)(8 f(x) x^{3}-12 f(x) x^{2}+6 f(x) x+24 x^{2}-f(x)-34 x+13)$$

Sequence: A098391
Score: 10.1027
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{48}-x^{15}+x^{11}+x^{8}+x^{7}-x^{3}-1}{-x^{48}-x^{8}+1}$$

Sequence: A098399
Score: 31.7690
Type of gen. func.: revogf

$$\frac{x (3 x + 1)}{(1 + 6 x)^2}$$

Sequence: A098399
Score: 5.80555
Type of gen. func.: ogf

$$\{(-12 n - 30) a(n + 1) + (n + 3) a(n + 2), a(0) = 1, a(1) = 9\}$$

Sequence: A098399
Score: 7.78972
Type of gen. func.: ogf

$$-36 f(x)^2 x^2 + 3 f(x)^2 x - 12 f(x) x + f(x) - 1$$

Sequence: A098400
Score: 27.2883
Type of gen. func.: revogf

$$\frac{x (1 + 4 x)}{(1 + 8 x)^2}$$

Sequence: A098400
Score: 4.95150
Type of gen. func.: ogf

$$\{(-16 n - 40) a(n + 1) + (n + 3) a(n + 2), a(0) = 1, a(1) = 12\}$$

Sequence: A098400
Score: 6.70647
Type of gen. func.: ogf

$$-64 f(x)^2 x^2 + 4 f(x)^2 x - 16 f(x) x + f(x) - 1$$

Sequence: A098401
Score: 6.76356
Type of gen. func.: ogf

$$\{(-12 n - 6) a(n) + (n + 1) a(n + 1), a(0) = 1, a(1) = 3\}$$

Sequence: A098401
Score: 9.78307
Type of gen. func.: ogf

$$-12 f(x)^2 x + f(x)^2 + 12 f(x) x - f(x) - 3 x$$

Sequence: A098402
Score: 5.14067
Type of gen. func.: ogf

$$\{(-16 n - 8) a(n) + (n + 1) a(n + 1), a(0) = 1, a(1) = 4\}$$

Sequence: A098402
Score: 9.66623
Type of gen. func.: ogf

$$-16 f(x)^2 x + f(x)^2 + 16 f(x) x - f(x) - 4 x$$

Sequence: A098405
Score: 4.76788
Type of gen. func.: ogf

$$\{(-8 n - 28) a(n + 1) + (9 n + 32) a(n + 2) + (-n - 4) a(n + 3), a(0) = 1,$$

$$a(1) = 7, a(2) = 47\}$$

Sequence: A098405
Score: 5.44393
Type of gen. func.: ogf

$$16 f(x)^2 x^4 - 34 f(x)^2 x^3 + 20 f(x)^2 x^2 - 2 f(x)^2 x - 8 f(x) x^2 + 9 f(x) x - f(x) + 1$$

Sequence: A098406
Score: 11.9004
Type of gen. func.: ogf

$$-\frac{19 x - 2}{(10 x - 1) (x - 1)}$$

Sequence: A098406
Score: 13.0103
Type of gen. func.: revogf

$$-\frac{-3 - 11 x + (81 x^2 - 14 x + 9)^{1/2}}{20 (x + 2)}$$

Sequence: A098406
Score: 13.3201
Type of gen. func.: lgdogf

$$-\frac{200 x^2 - 60 x + 13}{(x - 1) (20 x - 3) (10 x - 1)}$$

Sequence: A098406
Score: 6.41822
Type of gen. func.: ogf

$$(7 f(x) - 23) (10 f(x) x^2 - 11 f(x) x + f(x) + 19 x - 2)$$

Sequence: A098406
Score: 6.80025
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 2, a(1) = 3\}$$

Sequence: A098407
Score: 15.4324
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x - 1}{4 x^{3} - 2 x^{2} - 2 x + 1}$$

Sequence: A098408
Score: 5.78939
Type of gen. func.: ogf

$$-\frac{100 x^{8} + 20 x^{7} + 20 x^{6} - 90 x^{5} - 9 x^{4} - 19 x^{3} - 10 x^{2} - 2 x - 1}{(x - 1) (x^{2} + x + 1) (10 x^{3} - 1)}$$

Sequence: A098409
Score: 11.4807
Type of gen. func.: ogf

$$21 f(x)^{2} x^{2} - 10 f(x)^{2} x + f(x)^{2} - 1$$

Sequence: A098409
Score: 19.8299
Type of gen. func.: revogf

$$-\frac{(-5 x + (4 x^{2} + 1)^{1/2}) x}{21 x^{2} - 1}$$

Sequence: A098409
Score: 28.2194
Type of gen. func.: lgdogf

$$-\frac{-5 + 21 x}{(7 x - 1) (3 x - 1)}$$

Sequence: A098409
Score: 4.81450
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 3) + (25 + 10 n) a(n + 2) + (-42 - 21 n) a(n + 1), a(0) = 1, a(1) = 5, a(2) = 27\}$$

Sequence: A098410
Score: 12.2525
Type of gen. func.: ogf

$$32 f(x)^2 x^2 - 12 f(x)^2 x + f(x)^2 - 1$$

Sequence: A098410
Score: 27.0301
Type of gen. func.: lgdogf

$$- \frac{2 (-3 + 16 x)}{(8 x - 1) (4 x - 1)}$$

Sequence: A098410
Score: 5.13815
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 3) + (30 + 12 n) a(n + 2) + (-64 - 32 n) a(n + 1), a(0) = 1, a(1) = 6, a(2) = 38\}$$

Sequence: A098411
Score: 11.616
Type of gen. func.: ogf

$$-48 f(x)^2 x^2 + 16 f(x)^2 x - f(x)^2 + 1$$

Sequence: A098411
Score: 26.5308
Type of gen. func.: lgdogf

$$- \frac{8 (6 x - 1)}{(12 x - 1) (4 x - 1)}$$

Sequence: A098411
Score: 4.87123
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 3) + (40 + 16 n) a(n + 2) + (-96 - 48 n) a(n + 1), a(0) = 1, a(1) = 8, a(2) = 72\}$$

Sequence: A098430
Score: 16.1509
Type of gen. func.: ogf

$$-16 f(x)^2 x + f(x)^2 - 1$$

Sequence: A098430
Score: 20.1725
Type of gen. func.: revogf

$$(-8 x + (64 x^2 + 1)^{1/2}) x$$

Sequence: A098430
Score: 45.8465
Type of gen. func.: lgdogf

$$-\frac{8}{16 x - 1}$$

Sequence: A098430
Score: 7.00888
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (24 + 16 n) a(n + 1), a(0) = 1, a(1) = 8\}$$

Sequence: A098439
Score: 25.7516
Type of gen. func.: lgdogf

$$-\frac{1 + 47 x}{47 x^2 + 2 x - 1}$$

Sequence: A098439
Score: 4.11906
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-2 n - 5) a(n + 2) + (-94 - 47 n) a(n + 1), a(0) = 1,

a(1) = 1, a(2) = 25}

Sequence: A098439
Score: 9.84713
Type of gen. func.: ogf

$$47 f(x)^2 x^2 + 2 f(x)^2 x - f(x)^2 + 1$$

Sequence: A098440
Score: 10.2277
Type of gen. func.: ogf

$$59 f(x)^2 x^2 + 2 f(x)^2 x - f(x)^2 + 1$$

Sequence: A098440
Score: 26.7664
Type of gen. func.: lgdogf

$$-\frac{1 + 59 x}{59 x^2 + 2 x - 1}$$

Sequence: A098440
Score: 4.25047
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-5 - 2 n) a(n + 2) + (-118 - 59 n) a(n + 1), a(0) = 1,

a(1) = 1, a(2) = 31}

Sequence: A098441
Score: 23.3667
Type of gen. func.: lgdogf

$$-\frac{1 + 63 x}{(7 x + 1) (9 x - 1)}$$

Sequence: A098441
Score: 3.87110
Type of gen. func.: ogf

$\{(n + 3) a(n + 3) + (-5 - 2 n) a(n + 2) + (-126 - 63 n) a(n + 1), a(0) = 1,$

$a(1) = 1, a(2) = 33\}$

Sequence: A098441
Score: 9.31486
Type of gen. func.: ogf

$$63 f(x)^2 x^2 + 2 f(x)^2 x - f(x)^2 + 1$$

Sequence: A098442
Score: 23.3102
Type of gen. func.: lgdogf

$$-\frac{1 + 95 x}{95 x^2 + 2 x - 1}$$

Sequence: A098442
Score: 3.70923
Type of gen. func.: ogf

$\{(n + 3) a(n + 3) + (-5 - 2 n) a(n + 2) + (-190 - 95 n) a(n + 1), a(0) = 1,$

$a(1) = 1, a(2) = 49\}$

Sequence: A098442
Score: 8.92533
Type of gen. func.: ogf

$$95 f(x)^2 x^2 + 2 f(x)^2 x - f(x)^2 + 1$$

Sequence: A098443
Score: 26.1446
Type of gen. func.: lgdogf

$$-\frac{4 (x + 1)}{4 x^2 + 8 x - 1}$$

Sequence: A098443
Score: 3.86291
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-20 - 8 n) a(n + 2) + (-8 - 4 n) a(n + 1), a(0) = 1,

a(1) = 4, a(2) = 26}

Sequence: A098443
Score: 9.32006
Type of gen. func.: ogf

$$-4 f(x)^2 x^2 - 8 f(x)^2 x + f(x)^2 - 1$$

Sequence: A098444
Score: 25.2441
Type of gen. func.: lgdogf

$$-\frac{3 + 11 x}{11 x^2 + 6 x - 1}$$

Sequence: A098444
Score: 4.01323
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-15 - 6 n) a(n + 2) + (-22 - 11 n) a(n + 1), a(0) = 1,

a(1) = 3, a(2) = 19}

Sequence: A098444
Score: 9.65684
Type of gen. func.: ogf

$$11 f(x)^2 x^2 + 6 f(x)^2 x - f(x)^2 + 1$$

Sequence: A098453
Score: 12.8252
Type of gen. func.: ogf

$$-12 f(x)^2 x^2 - 4 f(x)^2 x + f(x)^2 - 1$$

Sequence: A098453
Score: 15.1380
Type of gen. func.: revogf

$$\frac{(-2 x + (16 x^2 + 1)^{1/2}) x}{12 x^2 + 1}$$

Sequence: A098453
Score: 20.9603
Type of gen. func.: lgdogf

$$- \frac{2 (1 + 6 x)}{(1 + 2 x) (6 x - 1)}$$

Sequence: A098453
Score: 3.61784
Type of gen. func.: ogf

$\{(n + 3) a(n + 3) + (-10 - 4 n) a(n + 2) + (-24 - 12 n) a(n + 1), a(0) = 1,$

$a(1) = 2, a(2) = 12\}$

Sequence: A098455
Score: 21.7767
Type of gen. func.: lgdogf

$$-\frac{2(1+18x)}{36x^2+4x-1}$$

Sequence: A098455
Score: 3.75439
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-10 - 4 n) a(n + 2) + (-72 - 36 n) a(n + 1), a(0) = 1,

a(1) = 2, a(2) = 24}

Sequence: A098455
Score: 9.03401
Type of gen. func.: ogf

$$36 f(x)^2 x^2 + 4 f(x)^2 x - f(x)^2 + 1$$

Sequence: A098456
Score: 21.5171
Type of gen. func.: lgdogf

$$-\frac{2(1+32x)}{64x^2+4x-1}$$

Sequence: A098456
Score: 3.68530
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-10 - 4 n) a(n + 2) + (-128 - 64 n) a(n + 1), a(0) = 1,

a(1) = 2, a(2) = 38}

Sequence: A098456
Score: 8.92533
Type of gen. func.: ogf

$$64 f(x)^2 x^2 + 4 f(x)^2 x - f(x)^2 + 1$$

Sequence: A098457
Score: 13.1027
Type of gen. func.: ogf

$$-\frac{x^6+x^5+x^3+x+1}{(x-1)(x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A098457
Score: 9.53606
Type of gen. func.: lgdogf

$$-\frac{x^{12}+2x^{11}+4x^9+6x^7+7x^6+6x^5+5x^4+3x^2+1}{(x-1)(x^6+x^5+x^3+x+1)(x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A098460
Score: 11.0306
Type of gen. func.: revegf]

$$1/2 \sin(2^{1/2} x) 2^{1/2} + 1/2 \cos(2^{1/2} x) - 1/2$$

Sequence: A098460
Score: 24.5681
Type of gen. func.: lgdegf]

$$-\frac{1+2x}{2x^2+2x-1}$$

Sequence: A098460
Score: 3.88775
Type of gen. func.: ogf

$$\{(2n^2+8n+8) a(n+1) + (2n+5) a(n+2) - a(n+3), a(0) = 1, a(1) = 1,$$
$$a(2) = 5\}$$

Sequence: A098460
Score: 8.76287
Type of gen. func.: egf]

$$-2 f(x)^2 x^2 - 2 f(x)^2 x + f(x)^2 - 1$$

Sequence: A098461
Score: 11.3845
Type of gen. func.: revegf]

$$1/3 \sin(3^{1/2} x) 3^{1/2} + 1/3 \cos(3^{1/2} x) - 1/3$$

Sequence: A098461
Score: 25.3564
Type of gen. func.: lgdegf]

$$-\frac{3 x + 1}{(x + 1) (3 x - 1)}$$

Sequence: A098461
Score: 3.95419
Type of gen. func.: ogf

$$\{(3 n^2 + 12 n + 12) a(n + 1) + (2 n + 5) a(n + 2) - a(n + 3), a(0) = 1,$$
$$a(1) = 1, a(2) = 6\}$$

Sequence: A098461
Score: 9.03815
Type of gen. func.: egf]

$$-3 f(x)^2 x^2 - 2 f(x)^2 x + f(x)^2 - 1$$

Sequence: A098469
Score: 10.9457
Type of gen. func.: revogf

$$\frac{(8 x^3 - 2 x + (-(2 x - 1) (1 + 2 x))^{1/2}) x}{16 x^4 - 4 x^2 + 1}$$

Sequence: A098470
Score: 3.36908
Type of gen. func.: ogf

$$\{(-3 n^2 - 45 n - 168) a(n + 1) + (-2 n^2 - 31 n - 120) a(n + 2)$$

$$+ (n^2 + 16 n + 39) a(n + 3), a(0) = 1, a(1) = 6, a(2) = 28\}$$

Sequence: A098477
Score: 18.2070
Type of gen. func.: lgdogf

$$- \frac{12 x^2 - 7 x - 1}{(x - 1) (8 x^2 + x - 1)}$$

Sequence: A098477
Score: 7.80334
Type of gen. func.: ogf

$$8 f(x)^2 x^3 - 7 f(x)^2 x^2 - 2 f(x)^2 x + f(x)^2 - 1$$

Sequence: A098478
Score: 15.9335
Type of gen. func.: lgdogf

$$- \frac{18 x^2 - 11 x - 1}{(x - 1) (3 x + 1) (-1 + 4 x)}$$

Sequence: A098478
Score: 3.23490
Type of gen. func.: ogf

$\{(-n - 4) a(n + 4) + (7 + 2 n) a(n + 3) + (33 + 11 n) a(n + 2) + (-30 - 12 n) a(n + 1), a(0) = 1, a(1) = 1, a(2) = 7, a(3) = 13\}$

Sequence: A098478
Score: 7.83389
Type of gen. func.: ogf

$$12 f(x)^2 x^3 - 11 f(x)^2 x^2 - 2 f(x)^2 x + f(x)^2 - 1$$

Sequence: A098479
Score: 22.5832
Type of gen. func.: lgdogf

$$-\frac{6 x^2 - x + 1}{4 x^3 - x^2 + 2 x - 1}$$

Sequence: A098479
Score: 3.62407
Type of gen. func.: ogf

$\{(-n - 4) a(n + 4) + (7 + 2 n) a(n + 3) + (-3 - n) a(n + 2) + (10 + 4 n) a(n + 1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 3\}$

Sequence: A098479
Score: 8.81409
Type of gen. func.: ogf

$$-4 f(x)^2 x^3 + f(x)^2 x^2 - 2 f(x)^2 x + f(x)^2 - 1$$

Sequence: A098480
Score: 20.5195
Type of gen. func.: lgdogf

$$-\frac{12 x^2 - x + 1}{8 x^3 - x^2 + 2 x - 1}$$

Sequence: A098480
Score: 3.40149
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (7 + 2 n) a(n + 3) + (-3 - n) a(n + 2) + (20 + 8 n) a(n + 1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 5\}$$

Sequence: A098480
Score: 8.27274
Type of gen. func.: ogf

$$-8 f(x)^2 x^3 + f(x)^2 x^2 - 2 f(x)^2 x + f(x)^2 - 1$$

Sequence: A098481
Score: 19.8922
Type of gen. func.: lgdogf

$$- \frac{18 x^2 - x + 1}{(3 x - 1) (4 x^2 + x + 1)}$$

Sequence: A098481
Score: 3.38269
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (7 + 2 n) a(n + 3) + (-3 - n) a(n + 2) + (30 + 12 n) a(n + 1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 7\}$$

Sequence: A098481
Score: 8.16796
Type of gen. func.: ogf

$$12 f(x)^2 x^3 - f(x)^2 x^2 + 2 f(x)^2 x - f(x)^2 + 1$$

Sequence: A098482
Score: 11.9697

Type of gen. func.: lgdogf

$-a(n + 4) + 2 a(n + 3) - a(n + 2) + 4 a(n), a(0) = 1, a(1) = 1, a(2) = 1,$

$a(3) = 9$

Sequence: A098482
Score: 9.042
Type of gen. func.: ogf

$$-4 f(x)^2 x^4 + f(x)^2 x^2 - 2 f(x)^2 x + f(x)^2 - 1$$

Sequence: A098483
Score: 11.0790
Type of gen. func.: lgdogf

$-a(n + 4) + 2 a(n + 3) - a(n + 2) + 8 a(n), a(0) = 1, a(1) = 1, a(2) = 1,$

$a(3) = 17$

Sequence: A098483
Score: 8.51459
Type of gen. func.: ogf

$$-8 f(x)^2 x^4 + f(x)^2 x^2 - 2 f(x)^2 x + f(x)^2 - 1$$

Sequence: A098484
Score: 10.9666
Type of gen. func.: lgdogf

$-a(n + 4) + 2 a(n + 3) - a(n + 2) + 12 a(n), a(0) = 1, a(1) = 1, a(2) = 1,$

$a(3) = 25$

Sequence: A098484
Score: 8.45933
Type of gen. func.: ogf

$$-12 f(x)^2 x^4 + f(x)^2 x^2 - 2 f(x)^2 x + f(x)^2 - 1$$

Sequence: A098498
Score: 8.74722
Type of gen. func.: ogf

$$-\frac{2x^6-x^5-6x^4+5x^3+11x^2+2x+1}{(x-1)^3}$$

Sequence: A098498
Score: 9.72304
Type of gen. func.: lgdogf

$$\frac{6x^6-14x^5-x^4+24x^3-26x^2-26x-5}{(x-1)(2x^6-x^5-6x^4+5x^3+11x^2+2x+1)}$$

Sequence: A098499
Score: 7.20546
Type of gen. func.: lgdogf

$$\frac{9x^8-8x^7-27x^6+22x^5+19x^4-68x^3-74x^2-36x-5}{(x-1)(x+1)(3x^7-x^6-8x^5+4x^4+13x^3+13x^2+3x+1)}$$

Sequence: A098499
Score: 7.98290
Type of gen. func.: ogf

$$-\frac{3x^7-x^6-8x^5+4x^4+13x^3+13x^2+3x+1}{(x+1)(x-1)^3}$$

Sequence: A098500
Score: 9.21440
Type of gen. func.: ogf

$$-\frac{2x^6-2x^5-4x^4+4x^3+6x^2+1}{{}^{3}}$$

$$(x - 1)$$

Sequence: A098500
Score: 9.81319
Type of gen. func.: lgdogf

$$\frac{6 x^{6} - 16 x^{5} + 6 x^{4} + 16 x^{3} - 18 x^{2} - 12 x - 3}{(x - 1) (2 x^{6} - 2 x^{5} - 4 x^{4} + 4 x^{3} + 6 x^{2} + 1)}$$

Sequence: A098501
Score: 7.01199
Type of gen. func.: lgdogf

$$\frac{8 x^{9} + 2 x^{8} - 34 x^{7} - 5 x^{6} + 52 x^{5} + 4 x^{4} - 44 x^{3} - 17 x^{2} - 6 x - 2}{(x - 1) (x + 1) (2 x^{8} + 2 x^{7} - 7 x^{6} - 5 x^{5} + 8 x^{4} + 5 x^{3} + x^{2} + 1)}$$

Sequence: A098501
Score: 7.89484
Type of gen. func.: ogf

$$- \frac{2 x^{8} + 2 x^{7} - 7 x^{6} - 5 x^{5} + 8 x^{4} + 5 x^{3} + x^{2} + 1}{(x + 1) (x - 1)^{3}}$$

Sequence: A098502
Score: 18.0389
Type of gen. func.: ogf

$$\frac{4 (x + 3)}{(x - 1)^{2}}$$

Sequence: A098502
Score: 27.1303
Type of gen. func.: revogf

$$-\frac{-6 - x + 2 (9 + 4 x)}{-4 + x}$$

Sequence: A098502
Score: 45.2172
Type of gen. func.: lgdogf

$$-\frac{7 + x}{(x + 3) (x - 1)}$$

Sequence: A098502
Score: 9.53783
Type of gen. func.: ogf

$$(2 f(x) + 25) (f(x) x^2 - 2 f(x) x + f(x) - 4 x - 12)$$

Sequence: A098502
Score: 9.87846
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 12, a(1) = 28\}$$

Sequence: A098518
Score: 4.83217
Type of gen. func.: ogf

$$\{(-7 n^2 - 35 n - 42) a(n + 1) + (-2 n^2 - 11 n - 15) a(n + 2)$$

$$+ (n^2 + 6 n + 8) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A098518
Score: 7.50257
Type of gen. func.: ogf

$$-14 f(x)^2 x^3 - 4 f(x)^2 x^2 + 2 f(x)^2 x - 7 f(x) x^2 - 2 f(x) x + f(x) - x$$

Sequence: A098519
Score: 4.49938
Type of gen. func.: ogf

$$\{(11 n^2 + 55 n + 66) a(n + 1) + (2 n^2 + 11 n + 15) a(n + 2) + (-n^2 - 6 n - 8) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A098519
Score: 6.96425
Type of gen. func.: ogf

$$-33 f(x)^2 x^3 - 6 f(x)^2 x^2 + 3 f(x)^2 x - 11 f(x) x^2 - 2 f(x) x + f(x) - x$$

Sequence: A098520
Score: 4.77712
Type of gen. func.: ogf

$$\{(15 n^2 + 75 n + 90) a(n + 1) + (2 n^2 + 11 n + 15) a(n + 2) + (-n^2 - 6 n - 8) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A098520
Score: 7.39414
Type of gen. func.: ogf

$$-60 f(x)^2 x^3 - 8 f(x)^2 x^2 + 4 f(x)^2 x - 15 f(x) x^2 - 2 f(x) x + f(x) - x$$

Sequence: A098521
Score: 4.74483
Type of gen. func.: ogf

$$\{(7 n^2 + 35 n + 42) a(n + 1) + (2 n^2 + 11 n + 15) a(n + 2) + (-n^2 - 6 n - 5) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A098521
Score: 6.14036

Type of gen. func.: ogf

$$-28 f(x)^2 x^4 - 8 f(x)^2 x^3 + 4 f(x)^2 x^2 + 7 f(x) x^3 - 5 f(x) x^2 - 3 f(x) x - x^2 + f(x)$$

Sequence: A098522
Score: 4.72532
Type of gen. func.: ogf

$$\{(11 n^2 + 55 n + 66) a(n + 1) + (2 n^2 + 11 n + 15) a(n + 2) + (-n^2 - 6 n - 5) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A098522
Score: 6.06075
Type of gen. func.: ogf

$$-99 f(x)^2 x^4 - 18 f(x)^2 x^3 + 9 f(x)^2 x^2 + 11 f(x) x^3 - 9 f(x) x^2 - 3 f(x) x - x^2 + f(x)$$

Sequence: A098523
Score: 13.6129
Type of gen. func.: lgdogf

$$-\frac{3 x^6 + 5 x^4 - x^2 + 2 x + 1}{(x^2 + 1) (x^2 - x + 1) (x^3 + x^2 - 1)}$$

Sequence: A098523
Score: 15.3146
Type of gen. func.: ogf

$$-\frac{x^2 + 1}{(x^2 - x + 1) (x^3 + x^2 - 1)}$$

Sequence: A098524
Score: 15.0206
Type of gen. func.: lgdogf

$$-\frac{24 x^{6} + 20 x^{4} - 2 x^{2} + 4 x + 1}{(2 x^{2} + 1) (4 x^{5} + x - 1)}$$

Sequence: A098524
Score: 15.6262
Type of gen. func.: ogf

$$-\frac{2 x^{2} + 1}{4 x^{5} + x - 1}$$

Sequence: A098525
Score: 14.2925
Type of gen. func.: lgdogf

$$-\frac{81 x^{6} + 45 x^{4} - 3 x^{2} + 6 x + 1}{(3 x^{2} + 1) (9 x^{5} + x - 1)}$$

Sequence: A098525
Score: 14.8744
Type of gen. func.: ogf

$$-\frac{3 x^{2} + 1}{9 x^{5} + x - 1}$$

Sequence: A098526
Score: 14.4756
Type of gen. func.: ogf

$$-\frac{4 x^{2} + 1}{(2 x - 1) (8 x^{4} + 4 x^{3} + 2 x^{2} + x + 1)}$$

Sequence: A098526
Score: 9.99706
Type of gen. func.: lgdogf

$$-\frac{192 x^6 + 80 x^4 - 4 x^2 + 8 x + 1}{(2 x - 1) (4 x^2 + 1) (8 x^4 + 4 x^3 + 2 x^2 + x + 1)}$$

Sequence: A098527
Score: 15.2194
Type of gen. func.: lgdogf

$$-\frac{4 x^9 + 7 x^6 - 2 x^3 + 3 x^2 + 1}{(x + 1) (x^2 - x + 1) (x^7 + x - 1)}$$

Sequence: A098527
Score: 17.0966
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 - x + 1)}{x^7 + x - 1}$$

Sequence: A098528
Score: 15.0640
Type of gen. func.: lgdogf

$$-\frac{32 x^9 + 28 x^6 - 4 x^3 + 6 x^2 + 1}{(2 x^3 + 1) (4 x^7 + x - 1)}$$

Sequence: A098528
Score: 16.2952
Type of gen. func.: ogf

$$-\frac{2x+1}{4x^7+x-1}$$

Sequence: A098531
Score: 5.62852
Type of gen. func.: ogf

$$\frac{x\,(x^4+7x^3-16x^2-7x+1)}{(x-1)\,(x^2+x-1)\,(x^2+11x-1)\,(x^2-4x-1)}$$

Sequence: A098532
Score: 4.26674
Type of gen. func.: ogf

$$\frac{x\,(x^4-11x^3-64x^2-11x+1)}{(x+1)\,(x^2+7x+1)\,(x^2-3x+1)\,(x^2-18x+1)}$$

Sequence: A098535
Score: 21.3786
Type of gen. func.: lgdogf

$$-\frac{3x^3\,(4+3x)}{(x+1)\,(9x^4-x-1)}$$

Sequence: A098536
Score: 15.5310
Type of gen. func.: lgdogf

$$-\frac{12x^3+x^2-2x+1}{9x^4+x^3-3x^2+3x-1}$$

Sequence: A098536
Score: 7.04141

Type of gen. func.: ogf

$$9 f(x)^3 x^4 + f(x)^3 x^3 - 3 f(x)^3 x^2 + 3 f(x)^3 x - f(x)^3 + 1$$

Sequence: A098537
Score: 19.9796
Type of gen. func.: lgdogf

$$-\frac{6 x^3 (4 + 3 x)}{(x + 1) (18 x^4 - x - 1)}$$

Sequence: A098538
Score: 14.5168
Type of gen. func.: lgdogf

$$-\frac{24 x^3 + x^2 - 2 x + 1}{18 x^4 + x^3 - 3 x^2 + 3 x - 1}$$

Sequence: A098538
Score: 6.66725
Type of gen. func.: ogf

$$18 f(x)^3 x^4 + f(x)^3 x^3 - 3 f(x)^3 x^2 + 3 f(x)^3 x - f(x)^3 + 1$$

Sequence: A098547
Score: 10.1279
Type of gen. func.: ogf

$$-\frac{x^3 - 7 x^2 + x - 1}{(x - 1)^4}$$

Sequence: A098547
Score: 17.7906
Type of gen. func.: lgdogf

$$-\frac{x^3 - 11 x^2 - 11 x - 3}{(x - 1) (x^3 - 7 x^2 + x - 1)}$$

Sequence: A098547
Score: 4.06172
Type of gen. func.: ogf

$$\{(201 n^2 + 1093 n + 1382) a(n + 1) + (-230 n^2 - 640 n - 114) a(n + 2) + (29 n^2 + 63 n - 72) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 13\}$$

Sequence: A098547
Score: 5.34144
Type of gen. func.: ogf

$$(41526 f(x) + 134875) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + x^3 - 4 f(x) x - 7 x^2 + f(x) + x - 1)$$

Sequence: A098548
Score: 7.19090
Type of gen. func.: ogf

$$\frac{4 x^{10} + 4 x^8 + x^7 + 11 x^6 + x^5 + 5 x^4 + x^3 + x^2 + x + 1}{(x^4 + 1) (x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A098554
Score: 14.7795
Type of gen. func.: ogf

$$-\frac{x (x - 1) (x + 1)}{(x^2 + x + 1) (x^2 + 1)}$$

Sequence: A098554
Score: 19.4947

Type of gen. func.: lgdogf

$$-\frac{2 x^5 + x^4 - 4 x^3 - 4 x^2 - 6 x - 1}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A098554
Score: 29.0520
Type of gen. func.: ogf_with_Euler_transform]

$$x^3 + x^2 - 2 x - 1$$

Sequence: A098554
Score: 7.56432
Type of gen. func.: ogf

$$(21 f(x) + 31) (f(x) x^4 + f(x) x^3 + 2 f(x) x^2 + x^3 + f(x) x + f(x) - x)$$

Sequence: A098557
Score: 3.39131
Type of gen. func.: ogf

$$\{(n^3 - n) a(n) + (n^3 + 4 n^2 + 5 n) a(n + 1) + 2 a(n + 2) + (-2 - n) a(n + 3),$$
$$a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A098558
Score: 16.862
Type of gen. func.: egf]

$$-f(x) x + f(x) - x - 1$$

Sequence: A098558
Score: 20.5078
Type of gen. func.: egf]

$$-\frac{x + 1}{x - 1}$$

Sequence: A098558
Score: 41.9709
Type of gen. func.: lgdegf]

$$-\frac{2}{(x-1)(x+1)}$$

Sequence: A098558
Score: 5.34358
Type of gen. func.: ogf

$$\{(n^2 + n) a(n) + (n^2 + 3 n + 4) a(n + 1) + (-2 - n) a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A098559
Score: 14.4724
Type of gen. func.: egf]

$$-\frac{3x+1}{3x-1}$$

Sequence: A098559
Score: 15.6382
Type of gen. func.: egf]

$$-3 f(x) x + f(x) - 3 x - 1$$

Sequence: A098559
Score: 27.5865
Type of gen. func.: lgdegf]

$$-\frac{6}{(3x-1)(3x+1)}$$

Sequence: A098559
Score: 3.74459
Type of gen. func.: ogf

$\{(9 n^2 + 9 n) a(n) + (3 n^2 + 9 n + 12) a(n + 1) + (-2 - n) a(n + 2), a(0) = 1,$

$a(1) = 6\}$

Sequence: A098560
Score: 12.9069
Type of gen. func.: egf]

$$-4 f(x) x + f(x) - 4 x - 1$$

Sequence: A098560
Score: 15.6975
Type of gen. func.: egf]

$$- \frac{4 x + 1}{-1 + 4 x}$$

Sequence: A098560
Score: 29.9724
Type of gen. func.: lgdegf]

$$- \frac{8}{(-1 + 4 x) (4 x + 1)}$$

Sequence: A098560
Score: 3.97814
Type of gen. func.: ogf

$\{(16 n^2 + 16 n) a(n) + (4 n^2 + 12 n + 16) a(n + 1) + (-2 - n) a(n + 2),$

$a(0) = 1, a(1) = 8\}$

Sequence: A098574
Score: 15.0978
Type of gen. func.: ogf

$$\frac{x - 1}{x^7 - x^2 + 2 x - 1}$$

Sequence: A098574
Score: 16.6994
Type of gen. func.: lgdogf

$$-\frac{6 x^{7} - 7 x^{6} - x^{2} + 2 x - 1}{(x - 1) (x^{7} - x^{2} + 2 x - 1)}$$

Sequence: A098575
Score: 13.7256
Type of gen. func.: ogf

$$\frac{x - 1}{2 x^{4} - x^{2} + 2 x - 1}$$

Sequence: A098575
Score: 14.5535
Type of gen. func.: lgdogf

$$-\frac{6 x^{4} - 8 x^{3} - x^{2} + 2 x - 1}{(x - 1) (2 x^{4} - x^{2} + 2 x - 1)}$$

Sequence: A098575
Score: 7.06266
Type of gen. func.: ogf

$$(f(x) - 1) (2 f(x) x^{4} - f(x) x^{2} + 2 f(x) x - f(x) - x + 1)$$

Sequence: A098576
Score: 14.0202
Type of gen. func.: ogf

$$\frac{x - 1}{3 x^{4} - x^{2} + 2 x - 1}$$

Sequence: A098576
Score: 14.5769
Type of gen. func.: lgdogf

$$-\frac{9 x^4 - 12 x^3 - x^2 + 2 x - 1}{(x - 1) (3 x^4 - x^2 + 2 x - 1)}$$

Sequence: A098576
Score: 7.21425
Type of gen. func.: ogf

$$(f(x) - 1) (3 f(x) x^4 - f(x) x^2 + 2 f(x) x - f(x) - x + 1)$$

Sequence: A098577
Score: 14.3777
Type of gen. func.: ogf

$$\frac{x - 1}{2 x^5 - x^2 + 2 x - 1}$$

Sequence: A098577
Score: 14.9473
Type of gen. func.: lgdogf

$$-\frac{8 x^5 - 10 x^4 - x^2 + 2 x - 1}{(x - 1) (2 x^5 - x^2 + 2 x - 1)}$$

Sequence: A098577
Score: 7.39826
Type of gen. func.: ogf

$$(f(x) - 2) (2 f(x) x^5 - f(x) x^2 + 2 f(x) x - f(x) - x + 1)$$

Sequence: A098578
Score: 15.9863
Type of gen. func.: ogf

$$\frac{x}{(x - 1)\,(x^{4} + x - 1)}$$

Sequence: A098578
Score: 20.8642
Type of gen. func.: lgdogf

$$-\frac{5\,x^{4} - 4\,x^{3} + 2\,x - 2}{(x - 1)\,(x^{4} + x - 1)}$$

Sequence: A098578
Score: 8.24555
Type of gen. func.: ogf

$$-f(x)\,x^{5} + f(x)\,x^{4} - f(x)\,x^{2} + 2\,f(x)\,x - f(x) + x$$

Sequence: A098579
Score: 18.1689
Type of gen. func.: ogf

$$8\,x - 1 + f(x)^{2}$$

Sequence: A098579
Score: 5.41573
Type of gen. func.: ogf

$$\{(n + 2)\,a(n + 2) + (-4 - 8\,n)\,a(n + 1),\ a(0) = 1,\ a(1) = -4\}$$

Sequence: A098579
Score: 61.1949
Type of gen. func.: lgdogf

4

$$\overline{-1 + 8 x}$$

Sequence: A098580
Score: 12.4036
Type of gen. func.: lgdogf

$$\frac{4 (4 x + (1 - 8 x)^{1/2}) (-1 + 4 x)}{(16 x^2 + 8 x - 1) (-1 + 8 x)}$$

Sequence: A098580
Score: 4.03300
Type of gen. func.: ogf

$$\{(-32 n^2 + 16 n) a(n) + (12 n^2 + 20 n + 8) a(n + 1) + (-n^2 - 3 n - 2) a(n + 2),$$
$$a(0) = 1, a(1) = -4\}$$

Sequence: A098580
Score: 7.13888
Type of gen. func.: ogf

$$8 f(x)^2 x - f(x)^2 - 16 f(x) x + 16 x^2 + 2 f(x) + 8 x - 1$$

Sequence: A098581
Score: 13.2744
Type of gen. func.: ogf

$$- \frac{4 x^2 + 2 x + 1}{(2 x - 1) (4 x^3 + 2 x^2 + x + 1)}$$

Sequence: A098581
Score: 7.17902
Type of gen. func.: ogf

$$-(5 f(x) - 36) (8 f(x) x^4 + f(x) x + 4 x^2 - f(x) + 2 x + 1)$$

Sequence: A098581
Score: 9.19576
Type of gen. func.: lgdogf

$$-\frac{64 x^5 + 48 x^4 + 32 x^3 - 4 x^2 + 8 x + 3}{(2 x - 1) (4 x^2 + 2 x + 1) (4 x^3 + 2 x^2 + x + 1)}$$

Sequence: A098582
Score: 11.4593
Type of gen. func.: ogf

$$-\frac{(1 + 2 x) (4 x^2 + 1)}{(2 x - 1) (8 x^4 + 4 x^3 + 2 x^2 + x + 1)}$$

Sequence: A098582
Score: 6.76324
Type of gen. func.: lgdogf

$$-\frac{256 x^7 + 192 x^6 + 128 x^5 + 80 x^4 - 16 x^3 + 20 x^2 + 8 x + 3}{(1 + 2 x) (2 x - 1) (4 x^2 + 1) (8 x^4 + 4 x^3 + 2 x^2 + x + 1)}$$

Sequence: A098583
Score: 10.0067
Type of gen. func.: ogf

$$-\frac{16 x^4 + 8 x^3 + 4 x^2 + 2 x + 1}{(2 x - 1) (16 x^5 + 8 x^4 + 4 x^3 + 2 x^2 + x + 1)}$$

Sequence: A098586
Score: 14.5032
Type of gen. func.: ogf

$$-\frac{x - 2}{\quad}$$

$$(x - 1) (x^2 + 2 x - 1)$$

Sequence: A098586
Score: 14.5136
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 5 x^2 - 4 x + 5}{(x - 1) (x - 2) (x^2 + 2 x - 1)}$$

Sequence: A098586
Score: 6.80240
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - a(n + 1) - a(n), a(0) = 2, a(1) = 5, a(2) = 13\}$$

Sequence: A098586
Score: 7.32067
Type of gen. func.: ogf

$$(25 f(x) - 32) (f(x) x^3 + f(x) x^2 - 3 f(x) x + f(x) + x - 2)$$

Sequence: A098588
Score: 20.2918
Type of gen. func.: ogf

$$- \frac{1}{x^5 + 2 x - 1}$$

Sequence: A098588
Score: 28.5170
Type of gen. func.: lgdogf

$$- \frac{5 x^4 + 2}{x^5 + 2 x - 1}$$

Sequence: A098589
Score: 18.7280
Type of gen. func.: ogf

$$-\frac{1}{2x^3+3x-1}$$

Sequence: A098589
Score: 22.4129
Type of gen. func.: lgdogf

$$-\frac{3(2x^2+1)}{2x^3+3x-1}$$

Sequence: A098589
Score: 6.57473
Type of gen. func.: ogf

$$\{-a(n+3)+3a(n+2)+2a(n),\ a(0)=1,\ a(1)=3,\ a(2)=9\}$$

Sequence: A098589
Score: 7.62993
Type of gen. func.: ogf

$$(f(x)-1)(2f(x)x^3+3f(x)x-f(x)+1)$$

Sequence: A098590
Score: 11.7299
Type of gen. func.: lgdogf

$$-a(n+4)+4a(n+3)+a(n),\ a(0)=4,\ a(1)=16,\ a(2)=64,\ a(3)=260$$

Sequence: A098590
Score: 19.9350
Type of gen. func.: ogf

$$-\frac{1}{x^4 + 4x - 1}$$

Sequence: A098590
Score: 7.7395
Type of gen. func.: ogf

$$-(f(x) - 1)\,(f(x)\,x^4 + 4\,f(x)\,x - f(x) + 1)$$

Sequence: A098600
Score: 15.4412
Type of gen. func.: ogf

$$-\frac{1 + 2x}{(x + 1)\,(x^2 + x - 1)}$$

Sequence: A098600
Score: 16.8652
Type of gen. func.: lgdogf

$$-\frac{4x^3 + 7x^2 + 4x + 2}{(1 + 2x)\,(x + 1)\,(x^2 + x - 1)}$$

Sequence: A098600
Score: 8.04914
Type of gen. func.: ogf

$$\{-a(n + 3) + 2\,a(n + 1) + a(n),\ a(0) = 1,\ a(1) = 2,\ a(2) = 2\}$$

Sequence: A098600
Score: 8.40687
Type of gen. func.: ogf

$$-(10\,f(x) - 7)\,(f(x)\,x^3 + 2\,f(x)\,x^2 - f(x) + 2x + 1)$$

Sequence: A098601
Score: 12.8194
Type of gen. func.: ogf

$$-\frac{1 + 2 x}{(x + 1) (x^3 + x^2 - 1)}$$

Sequence: A098601
Score: 14.6083
Type of gen. func.: lgdogf

$$-\frac{6 x^4 + 12 x^3 + 8 x^2 + 2 x + 1}{(1 + 2 x) (x + 1) (x^3 + x^2 - 1)}$$

Sequence: A098601
Score: 6.10924
Type of gen. func.: ogf

$$-(27 f(x) + 100) (f(x) x^4 + 2 f(x) x^3 + f(x) x^2 - f(x) x - f(x) + 2 x + 1)$$

Sequence: A098602
Score: 13.5168
Type of gen. func.: ogf

$$-\frac{12 x}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A098602
Score: 5.59315
Type of gen. func.: ogf

$$\{a(n + 3) - 35 a(n + 2) + 35 a(n + 1) - a(n), a(0) = 0, a(1) = 12, a(2) = 420\}$$

Sequence: A098602
Score: 8.11007
Type of gen. func.: ogf

$$f(x) x^3 - 35 f(x) x^2 + 35 f(x) x - f(x) + 12 x$$

Sequence: A098603
Score: 14.1582
Type of gen. func.: ogf

$$\frac{x (9 x - 11)}{(x - 1)^3}$$

Sequence: A098603
Score: 31.1346
Type of gen. func.: lgdogf

$$- \frac{6 (-4 + 3 x)}{(x - 1) (9 x - 11)}$$

Sequence: A098603
Score: 6.84312
Type of gen. func.: ogf

$$-(1852 f(x) - 196833) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 9 x^2 - f(x) + 11 x)$$

Sequence: A098603
Score: 7.26703
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 11, a(2) = 24\}$$

Sequence: A098608
Score: 17.1783
Type of gen. func.: ogf

$$- \frac{1}{100 x - 1}$$

Sequence: A098608
Score: 22.6565
Type of gen. func.: revegf]

$$\frac{1}{100}\ln(1 + 100 x)$$

Sequence: A098608
Score: 27.5115
Type of gen. func.: lgdogf

$$-\frac{100}{100 x - 1}$$

Sequence: A098608
Score: 7.31669
Type of gen. func.: ogf

$$\{a(n + 1) - 100 a(n), a(0) = 1\}$$

Sequence: A098608
Score: 9.18838
Type of gen. func.: ogf

$$-100 f(x) x + f(x) - 1$$

Sequence: A098609
Score: 11.2203
Type of gen. func.: ogf

$$-100 f(x) x^2 + 101 f(x) x - f(x) + 99 x$$

Sequence: A098609
Score: 14.9475
Type of gen. func.: lgdogf

$$-\frac{-101 + 200 x}{(100 x - 1) (x - 1)}$$

Sequence: A098609
Score: 17.0976
Type of gen. func.: ogf

$$\frac{99 x}{(100 x - 1) (x - 1)}$$

Sequence: A098609
Score: 7.10617
Type of gen. func.: revogf

$$- \frac{-101 x - 99 + 3 (11 x + 9)^{1/2} (9 x + 11)^{1/2} 11^{1/2}}{200 x}$$

Sequence: A098609
Score: 8.35001
Type of gen. func.: ogf

$\{a(n + 2) - 101 a(n + 1) + 100 a(n), a(0) = 0, a(1) = 99\}$

Sequence: A098610
Score: 12.9344
Type of gen. func.: lgdogf

$$- \frac{90 x^2 - 40 x - 9}{(9 x - 2) (10 x - 1) (x + 1)}$$

Sequence: A098610
Score: 16.2154
Type of gen. func.: ogf

$$\frac{9 x - 2}{(x + 1) (10 x - 1)}$$

Sequence: A098610
Score: 7.93519
Type of gen. func.: ogf

$$-(121 f(x) - 161) (10 f(x) x^2 + 9 f(x) x - f(x) - 9 x + 2)$$

Sequence: A098610
Score: 8.98683
Type of gen. func.: ogf

$$\{-a(n + 2) + 9 a(n + 1) + 10 a(n), a(0) = 2, a(1) = 9\}$$

Sequence: A098611
Score: 10.8389
Type of gen. func.: revogf

$$\frac{-9 x - 11 + (11 x^2 + 18 x + 11)^{1/2} 11^{1/2}}{20 x}$$

Sequence: A098611
Score: 10.9516
Type of gen. func.: ogf

$$-10 f(x) x^2 - 9 f(x) x + f(x) - 11 x$$

Sequence: A098611
Score: 17.1294
Type of gen. func.: ogf

$$-\frac{11 x}{(x + 1) (10 x - 1)}$$

Sequence: A098611
Score: 20.8107
Type of gen. func.: lgdogf

$$-\frac{9 + 20 x}{(x + 1) (10 x - 1)}$$

Sequence: A098611

Score: 8.04877
Type of gen. func.: ogf

$$\{-a(n + 2) + 9 a(n + 1) + 10 a(n), a(0) = 0, a(1) = 11\}$$

Sequence: A098613
Score: 15.5139
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x + 1}{x^{3} - x^{2} + x - 1}$$

Sequence: A098614
Score: 12.1116
Type of gen. func.: lgdogf

$$-1 - 4 x + (-16 x^{2} - 4 x + 1) f(x) + (-16 x^{3} - 4 x^{2} + x) f(x)^{2}$$

Sequence: A098614
Score: 19.9255
Type of gen. func.: revogf

$$(-x + (-(2 x - 1) (1 + 2 x))^{1/2}) x$$

Sequence: A098614
Score: 3.50129
Type of gen. func.: ogf

$$\{(-16 n^{2} - 64 n - 60) a(n + 1) + (-4 n^{2} - 22 n - 30) a(n + 2)$$

$$+ (n^{2} + 7 n + 12) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 4\}$$

Sequence: A098615
Score: 10.8470
Type of gen. func.: lgdogf

$$\frac{5 x - 20 x^{3} + (-(2 x - 1) (1 + 2 x))^{1/2}}{}$$

$$(2 x - 1) (1 + 2 x) (5 x^2 - 1)$$

Sequence: A098615
Score: 20.9428
Type of gen. func.: ogf

$$5 f(x)^2 x^2 - f(x)^2 + 2 f(x) x + 1$$

Sequence: A098615
Score: 29.7115
Type of gen. func.: revogf

$$\frac{x}{(5 x^2 + 2 x + 1)^{1/2}}$$

Sequence: A098616
Score: 12.0587
Type of gen. func.: lgdogf

$$-2 - 4 x + (-16 x^2 - 8 x + 1) f(x) + (-16 x^3 - 8 x^2 + x) f(x)^2$$

Sequence: A098616
Score: 18.6362
Type of gen. func.: revogf

$$(-2 x + (-(2 x - 1) (1 + 2 x))^{1/2}) x$$

Sequence: A098616
Score: 3.46503
Type of gen. func.: ogf

$$\{(16 n^2 + 64 n + 60) a(n + 1) + (8 n^2 + 44 n + 60) a(n + 2)$$

$$+ (-n^2 - 7 n - 12) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 10\}$$

Sequence: A098617
Score: 10.4107
Type of gen. func.: ogf

$$-8 f(x)^2 x^2 + f(x)^2 - 4 f(x) x - 1$$

Sequence: A098617
Score: 27.9430
Type of gen. func.: revogf

$$\frac{x}{(8 x^2 + 4 x + 1)^{1/2}}$$

Sequence: A098617
Score: 9.59237
Type of gen. func.: lgdogf

$$\frac{2 (-16 x^3 + 4 x + (-(2 x - 1) (1 + 2 x))^{1/2})}{(2 x - 1) (1 + 2 x) (8 x^2 - 1)}$$

Sequence: A098618
Score: 21.0756
Type of gen. func.: revogf

$$(-3 x + (-8 x^2 + 1)^{1/2}) x$$

Sequence: A098618
Score: 9.54367
Type of gen. func.: lgdogf

$$-3 - 8 x + (-32 x^2 - 12 x + 1) f(x) + (-32 x^3 - 12 x^2 + x) f(x)^2$$

Sequence: A098619
Score: 13.2348
Type of gen. func.: ogf

$$17 f(x)^2 x^2 - f(x)^2 + 6 f(x) x + 1$$

Sequence: A098619
Score: 15.4416
Type of gen. func.: lgdogf

$$\frac{17 x - 136 x^3 + 3 (-8 x^2 + 1)^{1/2}}{(8 x^2 - 1) (17 x^2 - 1)}$$

Sequence: A098619
Score: 34.7436
Type of gen. func.: revogf

$$\frac{x}{(17 x^2 + 6 x + 1)^{1/2}}$$

Sequence: A098646
Score: 10.4474
Type of gen. func.: ogf

$$(30 f(x) - 89) (4 f(x) x^2 - f(x) + 2 x + 3)$$

Sequence: A098646
Score: 11.2637
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n), a(0) = 3, a(1) = 2\}$$

Sequence: A098646
Score: 12.1898
Type of gen. func.: revegf]

$$-1/2 \operatorname{arcsinh}\left(\frac{2^{1/2}}{4}\right) + 1/2 \operatorname{arcsinh}\left(\frac{2^{1/2} (1 + 2 x)}{4}\right)$$

Sequence: A098646
Score: 17.2442
Type of gen. func.: lgdogf

$$-\frac{2\,(4\,x^{2}+12\,x+1)}{(2\,x+3)\,(1+2\,x)\,(2\,x-1)}$$

Sequence: A098646
Score: 17.5823
Type of gen. func.: ogf

$$-\frac{2\,x+3}{(2\,x-1)\,(1+2\,x)}$$

Sequence: A098647
Score: 10.4550
Type of gen. func.: ogf

$$-\frac{12\,x-1}{64\,x^{2}-24\,x+1}$$

Sequence: A098647
Score: 11.1534
Type of gen. func.: lgdogf

$$-\frac{4\,(192\,x^{2}-32\,x+3)}{(12\,x-1)\,(64\,x^{2}-24\,x+1)}$$

Sequence: A098647
Score: 5.28251
Type of gen. func.: ogf

$$-(160\,f(x)-79)\,(64\,f(x)\,x^{2}-24\,f(x)\,x+f(x)+12\,x-1)$$

Sequence: A098647

Score: 5.90399
Type of gen. func.: ogf

$$\{a(n + 2) - 24 a(n + 1) + 64 a(n), a(0) = 1, a(1) = 12\}$$

Sequence: A098648
Score: 13.5319
Type of gen. func.: ogf

$$-\frac{3 x - 1}{4 x^2 - 6 x + 1}$$

Sequence: A098648
Score: 16.1235
Type of gen. func.: lgdogf

$$-\frac{12 x^2 - 8 x + 3}{(3 x - 1) (4 x^2 - 6 x + 1)}$$

Sequence: A098648
Score: 7.42604
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A098648
Score: 8.01422
Type of gen. func.: ogf

$$-(160 f(x) - 79) (4 f(x) x^2 - 6 f(x) x + f(x) + 3 x - 1)$$

Sequence: A098655
Score: 10.6280
Type of gen. func.: lgdogf

```
                  4       3       2
   2 (64 x  + 64 x  - 80 x  + 16 x + 1)
 - --------------------------------------
                 2          2
```

$$(2 x - 1) (8 x - 1) (8 x + 4 x - 3)$$

Sequence: A098655
Score: 11.1881
Type of gen. func.: ogf

$$-\frac{8 x^2 + 4 x - 3}{(2 x - 1) (8 x^2 - 1)}$$

Sequence: A098655
Score: 5.8291
Type of gen. func.: ogf

$$-(11 f(x) + 195) (16 f(x) x^3 - 8 f(x) x^2 - 2 f(x) x + 8 x^2 + f(x) + 4 x - 3)$$

Sequence: A098655
Score: 6.08477
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 8 a(n + 1) - 16 a(n), a(0) = 3, a(1) = 2, a(2) = 20\}$$

Sequence: A098656
Score: 13.6837
Type of gen. func.: ogf

$$-\frac{x (-1 + 4 x)}{(2 x - 1) (8 x^2 - 1)}$$

Sequence: A098656
Score: 16.0624
Type of gen. func.: lgdogf

$$-\frac{2 (64 x^3 - 40 x^2 + 8 x - 1)}{(2 x - 1) (-1 + 4 x) (8 x^2 - 1)}$$

Sequence: A098656
Score: 7.08620
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 8 a(n + 1) - 16 a(n), a(0) = 0, a(1) = 1, a(2) = -2\}$$

Sequence: A098656
Score: 7.34864
Type of gen. func.: ogf

$$(2 f(x) - 1) (16 f(x) x^3 - 8 f(x) x^2 - 2 f(x) x + 4 x^2 + f(x) - x)$$

Sequence: A098657
Score: 11.1910
Type of gen. func.: ogf

$$-\frac{4 x^2 + x - 1}{(2 x - 1) (8 x^2 - 1)}$$

Sequence: A098657
Score: 11.5295
Type of gen. func.: lgdogf

$$-\frac{64 x^4 + 32 x^3 - 48 x^2 + 8 x + 1}{(2 x - 1) (8 x^2 - 1) (4 x^2 + x - 1)}$$

Sequence: A098657
Score: 6.14021
Type of gen. func.: ogf

$$(f(x) - 37) (16 f(x) x^3 - 8 f(x) x^2 - 2 f(x) x + 4 x^2 + f(x) + x - 1)$$

Sequence: A098657
Score: 6.14022
Type of gen. func.: ogf

{-a(n + 3) + 2 a(n + 2) + 8 a(n + 1) - 16 a(n), a(0) = 1, a(1) = 1, a(2) = 6}

Sequence: A098658
Score: 11.4987
Type of gen. func.: ogf

$$-12 f(x)^2 x + f(x)^2 - 1$$

Sequence: A098658
Score: 20.6950
Type of gen. func.: revogf

$$(-6 x + (36 x^2 + 1)^{1/2}) x$$

Sequence: A098658
Score: 4.98998
Type of gen. func.: ogf

{(-2 - n) a(n + 2) + (18 + 12 n) a(n + 1), a(0) = 1, a(1) = 6}

Sequence: A098658
Score: 43.1147
Type of gen. func.: lgdogf

$$- \frac{6}{12 x - 1}$$

Sequence: A098659
Score: 10.3238
Type of gen. func.: ogf

$$25 f(x)^2 x^2 - 14 f(x)^2 x + f(x)^2 - 1$$

Sequence: A098659
Score: 25.3485
Type of gen. func.: lgdogf

$$-\frac{-7 + 25 x}{25 x^2 - 14 x + 1}$$

Sequence: A098659
Score: 4.32932
Type of gen. func.: ogf

{(-3 - n) a(n + 3) + (35 + 14 n) a(n + 2) + (-50 - 25 n) a(n + 1), a(0) = 1,

a(1) = 7, a(2) = 61}

Sequence: A098660
Score: 11.7536
Type of gen. func.: revogf

$$\frac{-1 + ((8 x^2 + 4 x + 1) (4 x + 1)^2)^{1/2}}{2 (16 x^2 + 8 x + 3)}$$

Sequence: A098660
Score: 8.04605
Type of gen. func.: ogf

$$-16 f(x)^2 x^3 + 2 f(x)^2 x - 8 f(x) x^2 + f(x) - 3 x - 1$$

Sequence: A098662
Score: 11.5514
Type of gen. func.: revogf

$$\frac{-1 + ((12 x^2 + 4 x + 1) (1 + 6 x)^2)^{1/2}}{8 (9 x^2 + 3 x + 1)}$$

Sequence: A098662
Score: 7.81158
Type of gen. func.: ogf

2 3   2   2

```
             -36 f(x)  x  + 3 f(x)  x - 12 f(x) x  + f(x) - 4 x - 1



------------------------------------------------------------------------------

Sequence:  A098663
Score: 6.10145
Type of gen. func.: ogf


           2  3          2  2         2             2
    12 f(x)  x  - 24 f(x)  x  + 3 f(x)  x + 4 f(x) x  - 8 f(x) x + f(x) - 1



------------------------------------------------------------------------------

Sequence:  A098663
Score: 9.19069
Type of gen. func.: revogf


             2           1/2          2           1/2                     2
        (12 x  + 4 x + 1)    + 6 (12 x  + 4 x + 1)    x - 1 - 8 x - 24 x
      - -----------------------------------------------------------------
                                  8 x (3 x + 1)



------------------------------------------------------------------------------

Sequence:  A098664
Score: 11.2943
Type of gen. func.: revogf


                                2                     2 1/2
                     -1 + ((16 x  + 4 x + 1) (1 + 8 x) )
                     --------------------------------------
                                     2
                              2 (64 x  + 16 x + 5)



------------------------------------------------------------------------------

Sequence:  A098664
Score: 7.91145
Type of gen. func.: ogf


                     2  3         2             2
             -64 f(x)  x  + 4 f(x)  x - 16 f(x) x  + f(x) - 5 x - 1



------------------------------------------------------------------------------

Sequence:  A098665
Score: 6.52849
Type of gen. func.: ogf


           2  3          2  2         2             2
    36 f(x)  x  - 40 f(x)  x  + 4 f(x)  x + 9 f(x) x  - 10 f(x) x + f(x) - 1



------------------------------------------------------------------------------
```

Sequence: A098665
Score: 9.67455
Type of gen. func.: revogf

$$-\frac{(16x^2+4x+1)^{1/2}+8(16x^2+4x+1)^{1/2}x-1-10x-40x^2}{18x(4x+1)}$$

Sequence: A098670
Score: 11.1873
Type of gen. func.: lgdogf

$$\frac{2(394x^6-867x^5+447x^4+26x^3-2x+3)}{(x-1)(197x^6-184x^5-13x^4+4x-5)}$$

Sequence: A098670
Score: 11.8585
Type of gen. func.: ogf

$$-\frac{197x^6-184x^5-13x^4+4x-5}{(x-1)^2}$$

Sequence: A098703
Score: 12.1011
Type of gen. func.: ogf

$$-\frac{x(2x-1)}{(3x-1)(x^2+x-1)}$$

Sequence: A098703
Score: 14.4632
Type of gen. func.: lgdogf

$$-\frac{12x^3-5x^2-4x+2}{(3x-1)(2x-1)(x^2+x-1)}$$

Sequence: A098703
Score: 6.21410
Type of gen. func.: ogf

$$\{a(n+3) - 4\,a(n+2) + 2\,a(n+1) + 3\,a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 2\}$$

Sequence: A098703
Score: 6.44641
Type of gen. func.: ogf

$$(7\,f(x) + 4)\,(3\,f(x)\,x^{3} + 2\,f(x)\,x^{2} - 4\,f(x)\,x + 2\,x^{2} + f(x) - x)$$

Sequence: A098704
Score: 10.3671
Type of gen. func.: revogf

$$-\frac{-17\,x - 2 + (25\,x + 2)^{1/2}\,(9\,x + 2)^{1/2}}{32\,x}$$

Sequence: A098704
Score: 13.9422
Type of gen. func.: ogf

$$\frac{2}{(16\,x - 1)\,(x - 1)}$$

Sequence: A098704
Score: 17.6624
Type of gen. func.: lgdogf

$$-\frac{-17 + 32\,x}{(16\,x - 1)\,(x - 1)}$$

Sequence: A098704
Score: 5.67414
Type of gen. func.: ogf

$$2$$

$$(257 f(x) + 64) (16 f(x) x - 17 f(x) x + f(x) - 2)$$

Sequence: A098704
Score: 5.74089
Type of gen. func.: ogf

$$\{-a(n + 2) + 17 a(n + 1) - 16 a(n), a(0) = 2, a(1) = 34\}$$

Sequence: A098706
Score: 4.86688
Type of gen. func.: ogf

$$\{-a(n + 4) + 35 a(n + 3) - 35 a(n + 2) + a(n + 1), a(0) = 0, a(1) = 2, a(2) = 10, a(3) = 290\}$$

Sequence: A098706
Score: 5.13097
Type of gen. func.: ogf

$$-(3960 f(x) + 5519) (f(x) x^3 - 35 f(x) x^2 + 10 x^3 + 35 f(x) x - 60 x^2 - f(x) + 2 x)$$

Sequence: A098706
Score: 8.89805
Type of gen. func.: lgdogf

$$-\frac{5 x^4 - 60 x^3 + 878 x^2 - 60 x + 5}{(x - 1) (x^2 - 34 x + 1) (5 x^2 - 30 x + 1)}$$

Sequence: A098706
Score: 9.59268
Type of gen. func.: ogf

$$-\frac{2 x (5 x^2 - 30 x + 1)}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A098713
Score: 13.9848
Type of gen. func.: ogf

$$\frac{24 x^2 - 14 x - 1}{(x - 1) (-1 + 4 x)^2}$$

Sequence: A098713
Score: 16.9052
Type of gen. func.: lgdogf

$$-\frac{96 x^3 - 88 x^2 - 4 x + 23}{(x - 1) (-1 + 4 x) (24 x^2 - 14 x - 1)}$$

Sequence: A098713
Score: 7.04658
Type of gen. func.: ogf

$$-(291510 f(x) - 721781)$$

$$(16 f(x) x^3 - 24 f(x) x^2 + 9 f(x) x - 24 x^2 - f(x) + 14 x + 1)$$

Sequence: A098713
Score: 7.76932
Type of gen. func.: ogf

$\{-a(n + 3) + 9 a(n + 2) - 24 a(n + 1) + 16 a(n), a(0) = 1, a(1) = 23,$

$a(2) = 159\}$

Sequence: A098730
Score: 7.38755
Type of gen. func.: lgdogf

$$-\frac{6 x^6 + 30 x^5 + 36 x^4 - 7 x^3 - 21 x^2 + 3 x + 1}{(3 x - 1) (x + 1) (x^2 + 2 x - 1) (x^3 + 3 x^2 + 2 x - 1)}$$

Sequence: A098746
Score: 7.66428
Type of gen. func.: ogf

$$-f(x)^3 x^2 + f(x)^3 x - f(x)^3 - f(x)^2 x + 3 f(x)^2 - 3 f(x) + 1$$

Sequence: A098748
Score: 11.2569
Type of gen. func.: lgdogf

$$\frac{4 x^5 - 17 x^4 + 28 x^3 - 20 x^2 + 10 x + 1}{(x - 1) (2 x^5 - 7 x^4 + 9 x^3 - 7 x^2 + 2 x - 1)}$$

Sequence: A098748
Score: 9.85271
Type of gen. func.: ogf

$$\frac{2 x^5 - 7 x^4 + 9 x^3 - 7 x^2 + 2 x - 1}{(x - 1)^3}$$

Sequence: A098749
Score: 11.9111
Type of gen. func.: lgdogf

$$\frac{2 x^5 - 8 x^4 + 12 x^3 - 13 x^2 + 2 x - 1}{(x - 1) (x^5 - 3 x^4 + 4 x^3 + x^2 - 2 x + 1)}$$

Sequence: A098749
Score: 9.71393
Type of gen. func.: ogf

$$- \frac{x^5 - 3 x^4 + 4 x^3 + x^2 - 2 x + 1}{(x - 1)^3}$$

Sequence: A098752
Score: 7.15118
Type of gen. func.: ogf

$$-\frac{(2 x^{2} + x + 1) (10 x^{4} + 10 x^{3} - 10 x - 1)}{(x - 1) (x^{2} + x + 1) (10 x^{3} - 1)}$$

Sequence: A098760
Score: 11.4410
Type of gen. func.: ogf

$$-\frac{x (90 x^{20} - 90 x^{19} + 9 x - 10)}{(x + 1) (x - 1)^{2}}$$

Sequence: A098760
Score: 9.56333
Type of gen. func.: lgdogf

$$\frac{1530 x^{21} - 1530 x^{20} - 1710 x^{19} + 1710 x^{18} - 18 x^{2} + 21 x + 1}{(x - 1) (x + 1) (90 x^{20} - 90 x^{19} + 9 x - 10)}$$

Sequence: A098786
Score: 17.8015
Type of gen. func.: ogf

$$-(f(x) - 1)^{3}$$

Sequence: A098790
Score: 11.2059
Type of gen. func.: ogf

$$\frac{x^{2} - x + 1}{{}^{2}}$$

$$(x - 1) (x + 2 x - 1)$$

Sequence: A098790
Score: 13.6754
Type of gen. func.: lgdogf

$$-\frac{x^4 - 2 x^3 + 5 x^2 - 2}{(x - 1) (x^2 - x + 1) (x^2 + 2 x - 1)}$$

Sequence: A098790
Score: 5.89277
Type of gen. func.: ogf

$$-(f(x) - 13) (f(x) x^3 + f(x) x^2 - 3 f(x) x - x^2 + f(x) + x - 1)$$

Sequence: A098790
Score: 6.10323
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A098808
Score: 12.1010
Type of gen. func.: revogf

$$-\frac{-2037 - 3 x + (x^2 + 4118 x + 4149369)^{1/2}}{4 (1013 + x)}$$

Sequence: A098808
Score: 12.3383
Type of gen. func.: lgdogf

$$-\frac{4052 x^2 - 8148 x + 4085}{(x - 1) (2026 x - 2037) (2 x - 1)}$$

Sequence: A098808
Score: 12.5876
Type of gen. func.: ogf

$$-\frac{2026 x - 2037}{(x - 1) (2 x - 1)}$$

Sequence: A098808
Score: 6.41967
Type of gen. func.: ogf

$$(4107 f(x) + 8321266) (2 f(x) x^2 - 3 f(x) x + f(x) + 2026 x - 2037)$$

Sequence: A098808
Score: 7.29507
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 2037, a(1) = 4085\}$$

Sequence: A098809
Score: 12.2239
Type of gen. func.: lgdogf

$$-\frac{16777124 x^2 - 33554340 x + 16777193}{(8388562 x - 8388585) (x - 1) (2 x - 1)}$$

Sequence: A098809
Score: 15.0174
Type of gen. func.: ogf

$$-\frac{8388562 x - 8388585}{(x - 1) (2 x - 1)}$$

Sequence: A098809
Score: 7.25415
Type of gen. func.: ogf

$$(16777239 f(x) + 140736909542434)$$

$$(2 f(x) x^2 - 3 f(x) x + f(x) + 8388562 x - 8388585)$$

Sequence: A098809
Score: 9.01041
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 8388585, a(1) = 16777193\}$$

Sequence: A098820
Score: 10.2631
Type of gen. func.: ogf

$$-\frac{8 x^9 + 4 x^5 + 2 x^3 + x^2 + 1}{x - 1}$$

Sequence: A098821
Score: 10.6355
Type of gen. func.: ogf

$$-\frac{17 x^2 - 16 x + 4}{(x - 1) (2 x - 1)^2}$$

Sequence: A098821
Score: 11.9351
Type of gen. func.: lgdogf

$$-\frac{34 x^3 - 47 x^2 + 22 x - 4}{(x - 1) (2 x - 1) (17 x^2 - 16 x + 4)}$$

Sequence: A098821
Score: 5.4921
Type of gen. func.: ogf

$$-(184 f(x) - 1143) (4 f(x) x^3 - 8 f(x) x^2 + 5 f(x) x + 17 x^2 - f(x) - 16 x + 4)$$

Sequence: A098821
Score: 5.98246
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 8 a(n + 1) - 4 a(n), a(0) = 4, a(1) = 4, a(2) = 5\}$$

Sequence: A098847
Score: 13.6476
Type of gen. func.: ogf

$$\frac{x (11 x - 13)}{(x - 1)^3}$$

Sequence: A098847
Score: 27.3654
Type of gen. func.: lgdogf

$$- \frac{2 (-14 + 11 x)}{(x - 1) (11 x - 13)}$$

Sequence: A098847
Score: 6.76647
Type of gen. func.: ogf

$$-(356 f(x) - 62685) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 11 x^2 - f(x) + 13 x)$$

Sequence: A098847
Score: 7.12575
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 0, a(1) = 13, a(2) = 28\}$$

Sequence: A098848
Score: 13.7132
Type of gen. func.: ogf

x (13 x - 15)

$$(x - 1)^3$$

Sequence: A098848
Score: 27.4989
Type of gen. func.: lgdogf

$$- \frac{2 (-16 + 13 x)}{(x - 1) (13 x - 15)}$$

Sequence: A098848
Score: 6.68662
Type of gen. func.: ogf

$$-(3228 f(x) - 876197) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 13 x^2 - f(x) + 15 x)$$

Sequence: A098848
Score: 7.16001
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 15, a(2) = 32\}$$

Sequence: A098849
Score: 13.8445
Type of gen. func.: ogf

$$\frac{x (15 x - 17)}{(x - 1)^3}$$

Sequence: A098849
Score: 29.8226
Type of gen. func.: lgdogf

$$- \frac{6 (-6 + 5 x)}{(x - 1) (15 x - 17)}$$

Sequence: A098849

Score: 6.80686
Type of gen. func.: ogf

$$-(580 f(x) - 229881) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x - 15 x^{2} - f(x) + 17 x)$$

Sequence: A098849
Score: 7.22852
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 17, a(2) = 36\}$$

Sequence: A098850
Score: 13.9101
Type of gen. func.: ogf

$$\frac{x (17 x - 19)}{(x - 1)^{3}}$$

Sequence: A098850
Score: 27.8993
Type of gen. func.: lgdogf

$$-\frac{2 (-20 + 17 x)}{(x - 1) (17 x - 19)}$$

Sequence: A098850
Score: 6.72701
Type of gen. func.: ogf

$$-(4988 f(x) - 2767401) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x - 17 x^{2} - f(x) + 19 x)$$

Sequence: A098850
Score: 7.26278
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 19, a(2) = 40\}$$

Sequence: A098878
Score: 3.48832
Type of gen. func.: ogf

$$(205233 f(x) - 285625) (64 f(x) x^4 - 120 f(x) x^3 + 70 f(x) x^2 - 136 x^3 - 15 f(x) x + 100 x^2 + f(x) - 29 x + 2)$$

Sequence: A098878
Score: 6.29501
Type of gen. func.: ogf

$$\frac{136 x^3 - 100 x^2 + 29 x - 2}{(x - 1) (-1 + 8 x) (2 x - 1) (-1 + 4 x)}$$

Sequence: A098879
Score: 4.52149
Type of gen. func.: ogf

$$\frac{66560 x^5 - 57728 x^4 + 22640 x^3 - 2300 x^2 + 125 x - 2}{(x - 1) (-1 + 4 x) (2 x - 1) (-1 + 8 x) (16 x - 1) (32 x - 1)}$$

Sequence: A098884
Score: 12.1625
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{10} - x^9 + x^6 + x^4 - x + 1}{x^{12} - 1}$$

Sequence: A098890
Score: 10.1818
Type of gen. func.: ogf

$$- \frac{x^2 - 22 x + 1}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A098890
Score: 5.25515
Type of gen. func.: ogf

$(2021301 f(x) + 19310)$

$$(f(x) x^3 - 35 f(x) x^2 + 35 f(x) x + x^2 - f(x) - 22 x + 1)$$

Sequence: A098890
Score: 5.56956
Type of gen. func.: ogf

$\{-a(n + 3) + 35 a(n + 2) - 35 a(n + 1) + a(n), a(0) = 1, a(1) = 13, a(2) = 421\}$

Sequence: A098894
Score: 7.65446
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)}{(x - 1) (x^4 + 2 x^2 - 1)}$$

Sequence: A098894
Score: 8.96349
Type of gen. func.: lgdogf

$$-\frac{2 (x^7 + x^6 + x^5 + 3 x^4 + x^3 + x^2 - 3 x - 1)}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 2 x^2 - 1)}$$

Sequence: A098916
Score: 25.5798
Type of gen. func.: lgdegf]

$$-\frac{3 (x + 3)}{(x + 2) (x - 1)}$$

Sequence: A098916
Score: 3.94142
Type of gen. func.: egf]

$$(7263 f(x) + 19939)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 2 x^2 + f(x) - 4 x)$$

Sequence: A098916
Score: 4.68709
Type of gen. func.: ogf

$$\{(-n^2 - 6 n - 9) a(n + 1) + (n + 1) a(n + 2), a(0) = 0, a(1) = 4\}$$

Sequence: A098916
Score: 8.00411
Type of gen. func.: egf]

$$\frac{2 x (x + 2)}{(x - 1)^4}$$

Sequence: A098921
Score: 10.0720
Type of gen. func.: lgdogf

$$- \frac{2 (x^5 + 2 x^4 + 18 x^3 + 81 x^2 + 87 x + 31)}{(x - 1) (x + 1) (x^4 + 8 x^2 + 26 x + 9)}$$

Sequence: A098921
Score: 7.61462
Type of gen. func.: ogf

$$- \frac{x (x^4 + 8 x^2 + 26 x + 9)}{(x + 1) (x - 1)^5}$$

Sequence: A098923

Score: 12.7839
Type of gen. func.: ogf

$$-\frac{x (30 x + 1)}{(x - 1)^3}$$

Sequence: A098923
Score: 27.0518
Type of gen. func.: lgdogf

$$-\frac{3 (11 + 20 x)}{(30 x + 1) (x - 1)}$$

Sequence: A098923
Score: 6.02817
Type of gen. func.: ogf

$$-(206615 f(x) - 2113104) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 30 x^2 - f(x) + x)$$

Sequence: A098923
Score: 6.62022
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 33\}$$

Sequence: A098924
Score: 13.4052
Type of gen. func.: ogf

$$-\frac{42 x + 1}{(x - 1)^3}$$

Sequence: A098924
Score: 26.2715
Type of gen. func.: lgdogf

$$-\frac{3 (15 + 28 x)}{(42 x + 1) (x - 1)}$$

Sequence: A098924
Score: 6.24034
Type of gen. func.: ogf

$$(552851 f(x) - 14277275) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 42 x + 1)$$

Sequence: A098924
Score: 6.29461
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 45, a(2) = 132\}$$

Sequence: A098931
Score: 10.0127
Type of gen. func.: ogf

$$-\frac{x^3 - 5 x^2 - 3 x - 1}{(x - 1)^4}$$

Sequence: A098931
Score: 17.1868
Type of gen. func.: lgdogf

$$-\frac{x^3 - 7 x^2 - 19 x - 7}{(x - 1) (x^3 - 5 x^2 - 3 x - 1)}$$

Sequence: A098931
Score: 4.19009
Type of gen. func.: ogf

$$\{(19 n^2 + 110 n + 144) a(n + 1) + (-14 n^2 - 6 n + 93) a(n + 2)$$

$$+ (-5 n^2 - 32 n - 51) a(n + 3), a(0) = 1, a(1) = 7, a(2) = 27\}$$

```
------------------------------------------------------------------------------

Sequence:  A098931
Score: 5.28066
Type of gen. func.: ogf


(29824 f(x) + 148249)

           4           3           2    3                 2
    (f(x) x  - 4 f(x) x  + 6 f(x) x  + x  - 4 f(x) x - 5 x  + f(x) - 3 x - 1)



------------------------------------------------------------------------------

Sequence:  A098938
Score: 3.51709
Type of gen. func.: ogf


                                   x (30 x + 1)
                                 - ------------
                                            3
                                     (x - 1)



------------------------------------------------------------------------------

Sequence:  A098938
Score: 6.98184
Type of gen. func.: lgdogf


                                  3 (11 + 20 x)
                              - ------------------
                                (30 x + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A098944
Score: 5.19469
Type of gen. func.: ogf


      23       12    11    10     9      8      7      6      5       4       3
(100 x   + 10 x   + x   + x   + x  + 2 x  + 2 x  + 2 x  + 3 x  + 20 x  + 20 x

           2               /
     + 20 x  + 10 x + 8)  /  (
                         /

      10    9    8    7    6    5    4    3    2                 2
    (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x - 1) )



------------------------------------------------------------------------------

Sequence:  A098949
Score: 5.77426
Type of gen. func.: ogf


      11    10      9      8      7      6    5       4       3       2
(101 x   + x   + 2 x  + 2 x  + 2 x  + 2 x  + x  + 20 x  + 20 x  + 20 x  + 20 x

            /    10    9    8    7    6    5    4    3    2                 2
```

$$+ 9) / ((x + x + x + x + x + x + x + x + x + x + 1) (x - 1))$$

/

Sequence: A098955
Score: 10.7033
Type of gen. func.: ogf

$$-\frac{x^{11} - x^{10} + x^{2} - 10 x - 1}{(x - 1)^{2}}$$

Sequence: A098955
Score: 12.7951
Type of gen. func.: lgdogf

$$\frac{9 x^{11} - 19 x^{10} + 10 x^{9} + 8 x + 12}{(x - 1) (x^{11} - x^{10} + x^{2} - 10 x - 1)}$$

Sequence: A098992
Score: 14.1259
Type of gen. func.: lgdogf

$$-\frac{10 x^{3} - 24 x^{2} + 11 x + 11}{(x - 1) (2 x^{3} - 5 x^{2} + 3 x + 1)}$$

Sequence: A098992
Score: 4.02698
Type of gen. func.: ogf

$$\{(-727 n^{2} - 8319 n - 21644) a(n + 1) + (1418 n^{2} + 8520 n - 2618) a(n + 2)$$

$$+ (-691 n^{2} - 453 n + 238) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A098992
Score: 6.46957
Type of gen. func.: ogf

$$\frac{x^2 (2 x^3 - 5 x^2 + 3 x + 1)}{(x - 1)^8}$$

Sequence: A098994
Score: 4.02367
Type of gen. func.: ogf

$$\frac{x^3 (3 x^6 - 14 x^5 + 23 x^4 - 6 x^3 - 17 x^2 + 14 x + 1)}{(x - 1)^{12}}$$

Sequence: A098994
Score: 7.96026
Type of gen. func.: lgdogf

$$- \frac{2 (9 x^6 - 40 x^5 + 57 x^4 + 19 x^3 - 94 x^2 + 60 x + 13)}{(x - 1) (3 x^6 - 14 x^5 + 23 x^4 - 6 x^3 - 17 x^2 + 14 x + 1)}$$

Sequence: A099003
Score: 14.7868
Type of gen. func.: ogf

$$\frac{13 x + 1}{(x - 1) (2 x - 1)}$$

Sequence: A099003
Score: 15.8744
Type of gen. func.: revogf

$$- \frac{-1 - 3 x + (x^2 + 58 x + 1)^{1/2}}{2 (-13 + 2 x)}$$

Sequence: A099003
Score: 16.2616
Type of gen. func.: lgdogf

$$-\frac{2\,(13\,x^2 + 2\,x - 8)}{(x - 1)\,(13\,x + 1)\,(2\,x - 1)}$$

Sequence: A099003
Score: 7.72947
Type of gen. func.: ogf

$$(11\,f(x) + 53)\,(2\,f(x)\,x^2 - 3\,f(x)\,x + f(x) - 13\,x - 1)$$

Sequence: A099003
Score: 8.19512
Type of gen. func.: ogf

$$\{-a(n + 2) + 3\,a(n + 1) - 2\,a(n),\ a(0) = 1,\ a(1) = 16\}$$

Sequence: A099012
Score: 10.2568
Type of gen. func.: ogf

$$9\,f(x)\,x^2 + 3\,f(x)\,x - f(x) + x$$

Sequence: A099012
Score: 16.3554
Type of gen. func.: ogf

$$-\frac{x}{9\,x^2 + 3\,x - 1}$$

Sequence: A099012
Score: 16.5484
Type of gen. func.: revogf

$$\frac{-1 - 3\,x + (45\,x^2 + 6\,x + 1)^{1/2}}{18\,x}$$

Sequence: A099012
Score: 24.8226
Type of gen. func.: lgdogf

$$-\frac{3 (1 + 6 x)}{9 x^2 + 3 x - 1}$$

Sequence: A099012
Score: 7.47099
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) + 9 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A099013
Score: 13.5871
Type of gen. func.: ogf

$$\frac{x}{(x - 1) (9 x^2 + 3 x - 1)}$$

Sequence: A099013
Score: 16.7226
Type of gen. func.: lgdogf

$$-\frac{(9 x + 2) (3 x - 2)}{(x - 1) (9 x^2 + 3 x - 1)}$$

Sequence: A099013
Score: 5.50830
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) + 6 a(n + 1) - 9 a(n), a(0) = 0, a(1) = 1, a(2) = 4\}$$

Sequence: A099013
Score: 5.87905
Type of gen. func.: ogf

$$-(21 f(x) + 4) (9 f(x) x^3 - 6 f(x) x^2 - 4 f(x) x + f(x) - x)$$

Sequence: A099014
Score: 4.69593
Type of gen. func.: ogf

$(25 f(x) + 7)$

$$(f(x) x^4 + 3 f(x) x^3 - 6 f(x) x^2 + x^3 - 3 f(x) x - 2 x^2 + f(x) - x)$$

Sequence: A099014
Score: 8.61992
Type of gen. func.: ogf

$$-\frac{x (x^2 - 2 x - 1)}{(x^2 + 4 x - 1) (x^2 - x - 1)}$$

Sequence: A099014
Score: 9.11353
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 3 x^4 - 16 x^3 + 6 x^2 + 10 x + 5}{(x^2 + 4 x - 1) (x^2 - 2 x - 1) (x^2 - x - 1)}$$

Sequence: A099015
Score: 4.32561
Type of gen. func.: ogf

$-(610 f(x) - 209)$

$$(f(x) x^4 + 3 f(x) x^3 - 6 f(x) x^2 - 3 f(x) x + 4 x^2 + f(x) + x - 1)$$

Sequence: A099015
Score: 8.58852
Type of gen. func.: ogf

$$-\frac{4x^2+x-1}{(x^2+4x-1)(x^2-x-1)}$$

Sequence: A099015
Score: 8.78887
Type of gen. func.: lgdogf

$$-\frac{(x+1)(8x^4+7x^3-5x^2+2x+2)}{(4x^2+x-1)(x^2+4x-1)(x^2-x-1)}$$

Sequence: A099016
Score: 11.5750
Type of gen. func.: ogf

$$-\frac{2x^2-1}{(x+1)(x^2-3x+1)}$$

Sequence: A099016
Score: 15.3916
Type of gen. func.: lgdogf

$$-\frac{2x^4+x^2+2}{(x+1)(x^2-3x+1)(2x^2-1)}$$

Sequence: A099016
Score: 5.89086
Type of gen. func.: ogf

$\{a(n+3) - 2a(n+2) - 2a(n+1) + a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$

Sequence: A099016
Score: 6.16614
Type of gen. func.: ogf

$$(f(x) - 1) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + 2 x^2 + f(x) - 1)$$

Sequence: A099018
Score: 14.9653
Type of gen. func.: revegf]

$$1/2 \ln(x + 1) + \operatorname{arctanh}((4 + 3 x)^{1/2}) - \operatorname{arctanh}(2)$$

Sequence: A099018
Score: 15.2676
Type of gen. func.: ogf

$$- \frac{2 (x - 2)}{(x - 1) (2 x - 1)}$$

Sequence: A099018
Score: 19.2411
Type of gen. func.: lgdogf

$$- \frac{2 x^2 - 8 x + 5}{(x - 1) (x - 2) (2 x - 1)}$$

Sequence: A099018
Score: 4.8584
Type of gen. func.: ogf

$$(17 f(x) + 47) (2 f(x) x^2 - 3 f(x) x + f(x) - x - 1)$$

Sequence: A099018
Score: 8.27761
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 4, a(1) = 10\}$$

Sequence: A099021
Score: 12.3713

Type of gen. func.: lgdegf]

$$-7 + 7 x + 7 x^2 + (30 x^2 - 26 x + 5) f(x) + (8 x^2 - 8 x + 2) f(x)^2$$

Sequence: A099021
Score: 3.40016
Type of gen. func.: ogf

$$\{(-n^2 - 5 n - 6) a(n + 1) + (-4 n^2 - 21 n - 27) a(n + 2) + (4 n + 13) a(n + 3) - a(n + 4), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 24\}$$

Sequence: A099025
Score: 17.7032
Type of gen. func.: lgdogf

$$- \frac{3 x^2 - 8 x - 4}{(x + 1) (x^2 - 5 x + 1)}$$

Sequence: A099025
Score: 19.4119
Type of gen. func.: ogf

$$\frac{1}{(x + 1) (x^2 - 5 x + 1)}$$

Sequence: A099025
Score: 6.35610
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) - 4 a(n + 1) + a(n), a(0) = 1, a(1) = 4, a(2) = 20\}$$

Sequence: A099025
Score: 7.1824
Type of gen. func.: ogf

$$(39 f(x) + 1) (f(x) x^3 - 4 f(x) x^2 - 4 f(x) x + f(x) - 1)$$

Sequence: A099035
Score: 11.9332
Type of gen. func.: ogf

$$\frac{2 x^2 - 1}{(x - 1) (2 x - 1)^2}$$

Sequence: A099035
Score: 14.8161
Type of gen. func.: lgdogf

$$- \frac{4 x^3 + 2 x^2 - 10 x + 5}{(x - 1) (2 x - 1) (2 x^2 - 1)}$$

Sequence: A099035
Score: 6.01942
Type of gen. func.: ogf

{-a(n + 3) + 5 a(n + 2) - 8 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 5, a(2) = 15}

Sequence: A099035
Score: 8.00228
Type of gen. func.: ogf

$$4 f(x) x^3 - 8 f(x) x^2 + 5 f(x) x - 2 x^2 - f(x) + 1$$

Sequence: A099036
Score: 11.4199
Type of gen. func.: ogf

$$\frac{(x - 1)^2}{(2 x - 1) (x^2 + x - 1)}$$

Sequence: A099036
Score: 16.2560
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 6 x^2 + x + 1}{(x - 1) (2 x - 1) (x^2 + x - 1)}$$

Sequence: A099036
Score: 6.21977
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + a(n + 1) + 2 a(n), a(0) = 1, a(1) = 1, a(2) = 3\}$$

Sequence: A099036
Score: 6.9591
Type of gen. func.: ogf

$$(11 f(x) + 13) (2 f(x) x^3 + f(x) x^2 - 3 f(x) x - x^2 + f(x) + 2 x - 1)$$

Sequence: A099038
Score: 15.8471
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 9 x^2 + 3 x - 1}{x^4 - 6 x^3 + 3 x^2 - 2 x + 1}$$

Sequence: A099038
Score: 7.31183
Type of gen. func.: ogf

$$-f(x)^2 x^4 + 6 f(x)^2 x^3 - 3 f(x)^2 x^2 + 2 f(x)^2 x - f(x)^2 + 1$$

Sequence: A099041
Score: 13.3478
Type of gen. func.: lgdogf

$$-\frac{2\,(x^2 - 5\,x + 3)}{(x - 1)\,(x - 2)\,(2\,x - 1)}$$

Sequence: A099041
Score: 4.20953
Type of gen. func.: ogf

$$\{a(n + 3) - 4\,a(n + 2) + 5\,a(n + 1) - 2\,a(n),\ a(0) = 8,\ a(1) = 24,\ a(2) = 58\}$$

Sequence: A099041
Score: 6.96187
Type of gen. func.: ogf

$$(71\,f(x) - 407)\,(2\,f(x)\,x^3 - 5\,f(x)\,x^2 + 4\,f(x)\,x - 3\,x^2 - f(x) + 4\,x + 1)$$

Sequence: A099041
Score: 7.86698
Type of gen. func.: ogf

$$-\frac{2\,(x - 2)^2}{(2\,x - 1)\,(x - 1)^2}$$

Sequence: A099044
Score: 15.1926
Type of gen. func.: lgdogf

$$\frac{2\,(-1 + 2\,(1 - 12\,x)^{1/2})}{(16\,x - 1)\,(12\,x - 1)}$$

Sequence: A099044
Score: 6.70178
Type of gen. func.: ogf

$$\{(-12\,n - 6)\,a(n) + (n + 1)\,a(n + 1),\ a(0) = 1,\ a(1) = 2\}$$

Sequence: A099044
Score: 9.09551
Type of gen. func.: ogf

$$-36 f(x)^{2} x + 3 f(x)^{2} + 48 f(x) x - 4 f(x) - 16 x + 1$$

Sequence: A099045
Score: 14.7923
Type of gen. func.: lgdogf

$$\frac{-1 + 3 (1 - 16 x)^{1/2}}{(18 x - 1) (16 x - 1)}$$

Sequence: A099045
Score: 6.52634
Type of gen. func.: ogf

$$\{(-16 n - 8) a(n) + (n + 1) a(n + 1), a(0) = 1, a(1) = 2\}$$

Sequence: A099045
Score: 7.91318
Type of gen. func.: ogf

$$-32 f(x)^{2} x + 2 f(x)^{2} + 48 f(x) x - 3 f(x) - 18 x + 1$$

Sequence: A099046
Score: 12.1423
Type of gen. func.: lgdogf

$$\frac{2 (-1 + 4 (1 - 20 x)^{1/2})}{(64 x - 3) (-1 + 20 x)}$$

Sequence: A099046
Score: 5.31950
Type of gen. func.: ogf

$$\{(-20 n - 10) a(n) + (n + 1) a(n + 1), a(0) = 1, a(1) = 2\}$$

Sequence: A099046
Score: 8.22288
Type of gen. func.: ogf

$$-100 f(x)^2 x + 5 f(x)^2 + 160 f(x) x - 8 f(x) - 64 x + 3$$

Sequence: A099048
Score: 17.4023
Type of gen. func.: ogf

$$-\frac{2 (7 x - 16)}{(x - 1)^2}$$

Sequence: A099048
Score: 25.0657
Type of gen. func.: revogf

$$-\frac{-16 - x + (256 + 18 x)^{1/2}}{14 + x}$$

Sequence: A099048
Score: 32.0841
Type of gen. func.: lgdogf

$$-\frac{-25 + 7 x}{(x - 1) (7 x - 16)}$$

Sequence: A099048
Score: 9.18997
Type of gen. func.: ogf

$$(9 f(x) + 337) (f(x) x^2 - 2 f(x) x + f(x) + 14 x - 32)$$

Sequence: A099048

Score: 9.73699
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 32, a(1) = 50\}$$

Sequence: A099087
Score: 24.1765
Type of gen. func.: ogf

$$\frac{1}{2 x^2 - 2 x + 1}$$

Sequence: A099087
Score: 37.4588
Type of gen. func.: lgdogf

$$-\frac{2 (2 x - 1)}{2 x^2 - 2 x + 1}$$

Sequence: A099087
Score: 9.72955
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A099087
Score: 9.84967
Type of gen. func.: ogf

$$(f(x) - 4) (2 f(x) x^2 - 2 f(x) x + f(x) - 1)$$

Sequence: A099094
Score: 11.807
Type of gen. func.: ogf

$$-3 f(x) x^3 - 3 f(x) x^2 + f(x) - 1$$

Sequence: A099094
Score: 18.8274
Type of gen. func.: ogf

$$-\frac{1}{3x^3+3x^2-1}$$

Sequence: A099094
Score: 23.6626
Type of gen. func.: lgdogf

$$-\frac{3x(3x+2)}{3x^3+3x^2-1}$$

Sequence: A099094
Score: 7.49047
Type of gen. func.: ogf

$\{-a(n+3)+3a(n+1)+3a(n), a(0)=1, a(1)=0, a(2)=3\}$

Sequence: A099098
Score: 11.0762
Type of gen. func.: ogf

$$\frac{x^2+x-1}{x^3+3x^2+2x-1}$$

Sequence: A099098
Score: 13.2493
Type of gen. func.: lgdogf

$$-\frac{(x+1)(x^3+x^2-3x-1)}{(x^2+x-1)(x^3+3x^2+2x-1)}$$

Sequence: A099098
Score: 5.77476
Type of gen. func.: ogf

$$-(25 f(x) - 33) (f(x) x^3 + 3 f(x) x^2 + 2 f(x) x - x^2 - f(x) - x + 1)$$

Sequence: A099098
Score: 6.03256
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 3 a(n + 1) + a(n), a(0) = 1, a(1) = 1, a(2) = 4\}$$

Sequence: A099099
Score: 12.2097
Type of gen. func.: lgdogf

$$-\frac{x^4 - 4 x^3 + 9 x^2 - 4 x + 1}{(x - 1) (x^4 - 5 x^3 + 6 x^2 - 4 x + 1)}$$

Sequence: A099099
Score: 4.73987
Type of gen. func.: ogf

$-(36 f(x) + 5)$

$$(f(x) x^4 - 5 f(x) x^3 + 6 f(x) x^2 + x^3 - 4 f(x) x - 3 x^2 + f(x) + 3 x - 1)$$

Sequence: A099099
Score: 8.74106
Type of gen. func.: ogf

$$-\frac{(x - 1)^3}{x^4 - 5 x^3 + 6 x^2 - 4 x + 1}$$

Sequence: A099100
Score: 10.2414
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) + a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A099100
Score: 18.4790
Type of gen. func.: ogf

$$\frac{3 x - 1}{x^2 + 11 x - 1}$$

Sequence: A099100
Score: 19.4807
Type of gen. func.: revogf

$$\frac{-1 - 11 x + (125 x^2 + 10 x + 1)^{1/2}}{2 (-3 + x)}$$

Sequence: A099100
Score: 23.2687
Type of gen. func.: lgdogf

$$- \frac{(4 + 3 x) (x - 2)}{(3 x - 1) (x^2 + 11 x - 1)}$$

Sequence: A099100
Score: 9.23953
Type of gen. func.: ogf

$$-(45 f(x) - 13) (f(x) x^2 + 11 f(x) x - f(x) - 3 x + 1)$$

Sequence: A099101
Score: 5.34254
Type of gen. func.: ogf

$$-(135 f(x) + 1) (f(x) x^4 + 6 f(x) x^3 + 5 f(x) x^2 - x^3 - 2 x^2 - f(x) + 1)$$

Sequence: A099101
Score: 9.09215
Type of gen. func.: lgdogf

$$-\frac{x\,(x^5 + 4\,x^4 + 7\,x^3 - 4\,x^2 - 15\,x - 6)}{(x + 1)\,(x^2 + x - 1)\,(x^4 + 6\,x^3 + 5\,x^2 - 1)}$$

Sequence: A099101
Score: 9.36880
Type of gen. func.: ogf

$$\frac{(x + 1)\,(x^2 + x - 1)}{x^4 + 6\,x^3 + 5\,x^2 - 1}$$

Sequence: A099110
Score: 10.3219
Type of gen. func.: lgdogf

$$-\frac{2\,(48\,x^3 - 3\,x^2 - 17\,x + 4)}{(-1 + 4\,x)\,(3\,x - 1)\,(2\,x - 1)\,(x + 1)}$$

Sequence: A099110
Score: 11.5763
Type of gen. func.: ogf

$$-\frac{1}{(-1 + 4\,x)\,(3\,x - 1)\,(2\,x - 1)\,(x + 1)}$$

Sequence: A099110
Score: 4.50679
Type of gen. func.: ogf

$$(13804307\,f(x) - 463104)$$

$$(24\,f(x)\,x^4 - 2\,f(x)\,x^3 - 17\,f(x)\,x^2 + 8\,f(x)\,x - f(x) + 1)$$

Sequence: A099111
Score: 7.26964
Type of gen. func.: lgdogf

$$-\frac{600 x^4 - 136 x^3 - 249 x^2 + 114 x - 13}{(-1 + 4 x) (3 x - 1) (2 x - 1) (5 x - 1) (x + 1)}$$

Sequence: A099111
Score: 8.84454
Type of gen. func.: ogf

$$\frac{1}{(-1 + 4 x) (3 x - 1) (2 x - 1) (5 x - 1) (x + 1)}$$

Sequence: A099131
Score: 7.33278
Type of gen. func.: ogf

$$-\frac{(x - 1)^4}{x^5 - 4 x^4 + 10 x^3 - 10 x^2 + 5 x - 1}$$

Sequence: A099131
Score: 9.75358
Type of gen. func.: lgdogf

$$-\frac{x^5 - 5 x^4 + 6 x^3 - 10 x^2 + 5 x - 1}{(x - 1) (x^5 - 4 x^4 + 10 x^3 - 10 x^2 + 5 x - 1)}$$

Sequence: A099132
Score: 7.16704
Type of gen. func.: ogf

$$-\frac{(x - 1)^4}{x^6 + x^5 - 5 x^4 + 10 x^3 - 10 x^2 + 5 x - 1}$$

Sequence: A099132
Score: 9.28040
Type of gen. func.: lgdogf

$$-\frac{(2x^2 - x + 1)(x^4 - 2x^3 - 4x^2 + 4x - 1)}{(x - 1)(x^6 + x^5 - 5x^4 + 10x^3 - 10x^2 + 5x - 1)}$$

Sequence: A099133
Score: 11.6013
Type of gen. func.: ogf

$$16 f(x) x^2 + 4 f(x) x - f(x) + x$$

Sequence: A099133
Score: 18.3179
Type of gen. func.: ogf

$$-\frac{x}{16x^2 + 4x - 1}$$

Sequence: A099133
Score: 19.0742
Type of gen. func.: revogf

$$\frac{-4x - 1 + (80x^2 + 8x + 1)^{1/2}}{32x}$$

Sequence: A099133
Score: 27.4669
Type of gen. func.: lgdogf

$$-\frac{4(1 + 8x)}{16x^2 + 4x - 1}$$

Sequence: A099133
Score: 8.48877
Type of gen. func.: ogf

$$\{-a(n+2)+4\,a(n+1)+16\,a(n),\ a(0)=0,\ a(1)=1\}$$

Sequence: A099134
Score: 15.1298
Type of gen. func.: ogf

$$-\frac{x}{19\,x^2+2\,x-1}$$

Sequence: A099134
Score: 15.7128
Type of gen. func.: revogf

$$\frac{-2\,x-1+(80\,x^2+4\,x+1)^{1/2}}{38\,x}$$

Sequence: A099134
Score: 21.7562
Type of gen. func.: lgdogf

$$-\frac{2\,(1+19\,x)}{19\,x^2+2\,x-1}$$

Sequence: A099134
Score: 7.01138
Type of gen. func.: ogf

$$\{-a(n+2)+2\,a(n+1)+19\,a(n),\ a(0)=0,\ a(1)=1\}$$

Sequence: A099134
Score: 9.58223
Type of gen. func.: ogf

2

$$-19 f(x) x - 2 f(x) x + f(x) - x$$

Sequence: A099135
Score: 5.72039
Type of gen. func.: ogf

$$-(5 x^{15} - 4 x^{14} + 3 x^{13} - 17 x^{12} + 15 x^{11} + 3 x^{10} - 5 x^{9} - 9 x^{8} + 7 x^{7} + 4 x^{6} - x^{5} + x^{3} - x^{2} - x - 1) / (x - 1)^{2}$$

Sequence: A099136
Score: 5.25205
Type of gen. func.: ogf

$$-(3 x^{15} + x^{14} - 6 x^{13} - 2 x^{12} + 8 x^{11} - 14 x^{10} + 19 x^{9} - 19 x^{8} + 19 x^{7} - 16 x^{6} + 7 x^{5} + 5 x^{4} - 16 x^{3} + 21 x^{2} - 10 x - 1) / (x - 1)^{2}$$

Sequence: A099138
Score: 14.4957
Type of gen. func.: revogf

$$\frac{-1 - 6 x + (324 x^{2} + 12 x + 1)^{1/2}}{144 x}$$

Sequence: A099138
Score: 15.1096
Type of gen. func.: ogf

$$-\frac{x}{(1 + 6 x) (12 x - 1)}$$

Sequence: A099138
Score: 19.4942
Type of gen. func.: lgdogf

$$6 (1 + 24 x)$$

$$-\frac{}{(1 + 6 x) (12 x - 1)}$$

Sequence: A099138
Score: 7.00202
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) + 72 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A099138
Score: 9.56943
Type of gen. func.: ogf

$$-72 f(x) x^2 - 6 f(x) x + f(x) - x$$

Sequence: A099139
Score: 12.3245
Type of gen. func.: revogf

$$\frac{-1 - 12 x + (576 x^2 + 24 x + 1)^{1/2}}{216 x}$$

Sequence: A099139
Score: 12.5370
Type of gen. func.: ogf

$$-\frac{x}{(1 + 6 x) (18 x - 1)}$$

Sequence: A099139
Score: 16.9993
Type of gen. func.: lgdogf

$$-\frac{12 (1 + 18 x)}{(1 + 6 x) (18 x - 1)}$$

Sequence: A099139

Score: 5.96998
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) + 108 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A099139
Score: 8.08837
Type of gen. func.: ogf

$$-108 f(x) x^2 - 12 f(x) x + f(x) - x$$

Sequence: A099140
Score: 12.3416
Type of gen. func.: ogf

$$-\frac{6 x - 1}{16 x^2 - 12 x + 1}$$

Sequence: A099140
Score: 13.5304
Type of gen. func.: lgdogf

$$-\frac{2 (48 x^2 - 16 x + 3)}{(6 x - 1) (16 x^2 - 12 x + 1)}$$

Sequence: A099140
Score: 14.5712
Type of gen. func.: revogf

$$-\frac{-1 - 12 x + (80 x^2 + 1)^{1/2}}{4 (8 x + 3)}$$

Sequence: A099140
Score: 6.17079
Type of gen. func.: ogf

2

$$-(160 f(x) - 79) (16 f(x) x - 12 f(x) x + f(x) + 6 x - 1)$$

Sequence: A099140
Score: 6.90542
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 16 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A099141
Score: 11.6230
Type of gen. func.: ogf

$$-\frac{7 x - 1}{25 x^2 - 14 x + 1}$$

Sequence: A099141
Score: 13.0419
Type of gen. func.: lgdogf

$$-\frac{175 x^2 - 50 x + 7}{(7 x - 1) (25 x^2 - 14 x + 1)}$$

Sequence: A099141
Score: 5.93783
Type of gen. func.: ogf

$$-(48 f(x) + 1) (25 f(x) x^2 - 14 f(x) x + f(x) + 7 x - 1)$$

Sequence: A099141
Score: 6.50333
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1) + 25 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A099142
Score: 10.6697

Type of gen. func.: ogf

$$-\frac{-1 + 8 x}{36 x^{2} - 16 x + 1}$$

Sequence: A099142
Score: 11.6701
Type of gen. func.: lgdogf

$$-\frac{8 (36 x^{2} - 9 x + 1)}{(-1 + 8 x) (36 x^{2} - 16 x + 1)}$$

Sequence: A099142
Score: 5.27872
Type of gen. func.: ogf

$$-(385 f(x) - 129) (36 f(x) x^{2} - 16 f(x) x + f(x) + 8 x - 1)$$

Sequence: A099142
Score: 5.96998
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1) + 36 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A099150
Score: 7.50544
Type of gen. func.: ogf

$$(459 f(x) + 1130) (10 f(x) x^{2} - 11 f(x) x + f(x) - 10 x - 8)$$

Sequence: A099151
Score: 8.53135
Type of gen. func.: ogf

$$(549 f(x) + 736) (10 f(x) x^{2} - 11 f(x) x + f(x) - 4 x - 5)$$

Sequence: A099156
Score: 10.3204
Type of gen. func.: ogf

$$-4 f(x) x^2 + 8 f(x) x - f(x) + x$$

Sequence: A099156
Score: 13.6311
Type of gen. func.: revogf

$$-\frac{-1 - 8 x + (4 x + 1)^{1/2} (1 + 12 x)^{1/2}}{8 x}$$

Sequence: A099156
Score: 18.4516
Type of gen. func.: ogf

$$\frac{x}{4 x^2 - 8 x + 1}$$

Sequence: A099156
Score: 27.2623
Type of gen. func.: lgdogf

$$-\frac{8 (x - 1)}{4 x^2 - 8 x + 1}$$

Sequence: A099156
Score: 7.51733
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A099157
Score: 12.1618
Type of gen. func.: revogf

$$-\frac{-1 - 12 x + (4 x + 1)^{1/2} (1 + 20 x)^{1/2}}{32 x}$$

Sequence: A099157
Score: 16.2365
Type of gen. func.: ogf

$$\frac{x}{16 x^2 - 12 x + 1}$$

Sequence: A099157
Score: 20.7201
Type of gen. func.: lgdogf

$$-\frac{4 (-3 + 8 x)}{16 x^2 - 12 x + 1}$$

Sequence: A099157
Score: 6.84671
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 16 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A099157
Score: 9.31601
Type of gen. func.: ogf

$$-16 f(x) x^2 + 12 f(x) x - f(x) + x$$

Sequence: A099158
Score: 10.9960
Type of gen. func.: revogf

$$-\frac{-1 - 14 x + (4 x + 1)^{1/2} (1 + 24 x)^{1/2}}{50 x}$$

Sequence: A099158
Score: 14.6996
Type of gen. func.: ogf

$$\frac{x}{25 x^2 - 14 x + 1}$$

Sequence: A099158
Score: 18.0648
Type of gen. func.: lgdogf

$$-\frac{2 (-7 + 25 x)}{25 x^2 - 14 x + 1}$$

Sequence: A099158
Score: 6.19863
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1) + 25 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A099158
Score: 8.4342
Type of gen. func.: ogf

$$-25 f(x) x^2 + 14 f(x) x - f(x) + x$$

Sequence: A099159
Score: 10.9141
Type of gen. func.: ogf

$$\frac{(x - 1) (2 x - 1)}{(3 x - 1) (x^2 + x - 1)}$$

Sequence: A099159

Score: 11.4487
Type of gen. func.: lgdogf

$$-\frac{6 x^{4} - 18 x^{3} + 11 x^{2} - 1}{(x - 1) (3 x - 1) (2 x - 1) (x^{2} + x - 1)}$$

Sequence: A099159
Score: 5.69025
Type of gen. func.: ogf

$$-(79 f(x) + 11) (3 f(x) x^{3} + 2 f(x) x^{2} - 4 f(x) x - 2 x^{2} + f(x) + 3 x - 1)$$

Sequence: A099159
Score: 5.94429
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 2 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 1, a(2) = 4\}$$

Sequence: A099163
Score: 13.1156
Type of gen. func.: ogf

$$-\frac{2 x^{2} - 1}{(2 x - 1) (x^{2} - x - 1)}$$

Sequence: A099163
Score: 15.2809
Type of gen. func.: lgdogf

$$-\frac{4 x^{4} - 4 x^{2} + 2 x + 1}{(2 x - 1) (2 x^{2} - 1) (x^{2} - x - 1)}$$

Sequence: A099163
Score: 6.67489
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A099163
Score: 6.73503
Type of gen. func.: ogf

$$-(3 f(x) + 2) (2 f(x) x^3 - 3 f(x) x^2 - f(x) x + 2 x^2 + f(x) - 1)$$

Sequence: A099164
Score: 10.9681
Type of gen. func.: ogf

$$-\frac{x^2 + 2 x - 1}{(3 x - 1) (x^2 + x - 1)}$$

Sequence: A099164
Score: 11.9249
Type of gen. func.: lgdogf

$$-\frac{3 x^4 + 12 x^3 - x^2 - 6 x + 2}{(3 x - 1) (x^2 + x - 1) (x^2 + 2 x - 1)}$$

Sequence: A099164
Score: 5.71842
Type of gen. func.: ogf

$$-(29 f(x) - 14) (3 f(x) x^3 + 2 f(x) x^2 - 4 f(x) x + x^2 + f(x) + 2 x - 1)$$

Sequence: A099164
Score: 5.97371
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 2 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A099166
Score: 11.8147
Type of gen. func.: ogf

$$\frac{x^2 + 1}{(2 x - 1) (x^2 + x - 1)}$$

Sequence: A099166
Score: 14.9962
Type of gen. func.: lgdogf

$$- \frac{2 x^4 + 9 x^2 - 3}{(2 x - 1) (x^2 + 1) (x^2 + x - 1)}$$

Sequence: A099166
Score: 6.01284
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - a(n + 1) - 2 a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A099166
Score: 6.2938
Type of gen. func.: ogf

$$(f(x) - 1) (2 f(x) x^3 + f(x) x^2 - 3 f(x) x - x^2 + f(x) - 1)$$

Sequence: A099167
Score: 11.7177
Type of gen. func.: ogf

$$\frac{x^2 + 1}{(3 x - 1) (x^2 + x - 1)}$$

Sequence: A099167
Score: 13.6433

Type of gen. func.: lgdogf

$$-\frac{3 x^4 + 13 x^2 + 2 x - 4}{(3 x - 1) (x^2 + 1) (x^2 + x - 1)}$$

Sequence: A099167
Score: 5.91071
Type of gen. func.: ogf

$$(3605 f(x) - 2068) (3 f(x) x^3 + 2 f(x) x^2 - 4 f(x) x - x^2 + f(x) - 1)$$

Sequence: A099167
Score: 5.91071
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 2 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 4, a(2) = 15\}$$

Sequence: A099171
Score: 4.58516
Type of gen. func.: ogf

$$-f(x)^2 x^4 + f(x)^2 x^3 + 2 f(x)^2 x^2 - 2 f(x) x^3 + 3 f(x) x^2 + 2 f(x) x - x^2 - f(x) + 2 x$$

Sequence: A099176
Score: 5.01083
Type of gen. func.: ogf

$$-(5 f(x) + 1) (4 f(x) x^4 + 4 f(x) x^3 - 4 f(x) x^2 - 2 f(x) x + 2 x^2 + f(x) + x - 1)$$

Sequence: A099176
Score: 8.94673
Type of gen. func.: lgdogf

$$16 x^5 + 20 x^4 - 8 x^3 - 12 x^2 + 4 x + 1$$

$$-\frac{\quad}{(2 x - 1) (x + 1) (2 x^2 - 1) (2 x^2 + 2 x - 1)}$$

Sequence: A099176
Score: 9.65855
Type of gen. func.: ogf

$$-\frac{(x + 1) (2 x - 1)}{(2 x^2 - 1) (2 x^2 + 2 x - 1)}$$

Sequence: A099177
Score: 12.5115
Type of gen. func.: ogf

$$\frac{x}{(2 x^2 - 1) (2 x^2 + 2 x - 1)}$$

Sequence: A099177
Score: 13.8960
Type of gen. func.: lgdogf

$$-\frac{2 (8 x^3 + 6 x^2 - 4 x - 1)}{(2 x^2 - 1) (2 x^2 + 2 x - 1)}$$

Sequence: A099177
Score: 5.6676
Type of gen. func.: ogf

$$(4 f(x) - 1) (4 f(x) x^4 + 4 f(x) x^3 - 4 f(x) x^2 - 2 f(x) x + f(x) - x)$$

Sequence: A099193
Score: 18.4121
Type of gen. func.: lgdogf

$$-\frac{2 (7 + x)}{(x - 1) (x + 1)}$$

Sequence: A099193
Score: 36.6813
Type of gen. func.: ogf_with_Euler_transform]

[14 - 6 x]

Sequence: A099193
Score: 5.61689
Type of gen. func.: ogf

$$\frac{x (x + 1)^6}{(x - 1)^8}$$

Sequence: A099193
Score: 6.03296
Type of gen. func.: ogf

{(n + 2) a(n + 3) - 14 a(n + 2) + (-2 - n) a(n + 1), a(0) = 0, a(1) = 1,

a(2) = 14}

Sequence: A099195
Score: 19.5719
Type of gen. func.: lgdogf

$$- \frac{2 (x + 8)}{(x - 1) (x + 1)}$$

Sequence: A099195
Score: 37.2586
Type of gen. func.: ogf_with_Euler_transform]

[16 - 7 x]

Sequence: A099195
Score: 5.01571
Type of gen. func.: ogf

$$-\frac{x\,(x+1)^{7}}{(x-1)^{9}}$$

Sequence: A099195
Score: 6.13031
Type of gen. func.: ogf

{(n + 2) a(n + 3) - 16 a(n + 2) + (-2 - n) a(n + 1), a(0) = 0, a(1) = 1,

a(2) = 16}

Sequence: A099196
Score: 20.7317
Type of gen. func.: lgdogf

$$-\frac{2\,(x+9)}{(x-1)\,(x+1)}$$

Sequence: A099196
Score: 37.3464
Type of gen. func.: ogf_with_Euler_transform]

[18 - 8 x]

Sequence: A099196
Score: 4.39097
Type of gen. func.: ogf

$$\frac{x\,(x+1)^{8}}{(x-1)^{10}}$$

Sequence: A099196
Score: 6.14736
Type of gen. func.: ogf

{(n + 2) a(n + 3) - 18 a(n + 2) + (-2 - n) a(n + 1), a(0) = 0, a(1) = 1,

$a(2) = 18\}$

Sequence: A099197
Score: 3.69371
Type of gen. func.: ogf

$$-\frac{x\,(x+1)^{9}}{(x-1)^{11}}$$

Sequence: A099197
Score: 35.1396
Type of gen. func.: lgdogf

$$-\frac{2\,(x+10)}{(x-1)\,(x+1)}$$

Sequence: A099197
Score: 35.2055
Type of gen. func.: ogf_with_Euler_transform]

$$[20 - 9\,x]$$

Sequence: A099197
Score: 5.80050
Type of gen. func.: ogf

$\{(n + 2)\, a(n + 3) - 20\, a(n + 2) + (-2 - n)\, a(n + 1),\ a(0) = 0,\ a(1) = 1,$

$a(2) = 20\}$

Sequence: A099206
Score: 5.85354
Type of gen. func.: ogf

$$\frac{x\,(2\,x^{11} + 2\,x^{9} + 2\,x^{8} + x^{7} + 2\,x^{6} + x^{5} + x^{4} + x^{3} - x^{2} - x - 1)}{x^{9} + x^{6} + 2\,x^{3} - 1}$$

Sequence: A099211
Score: 18.3789
Type of gen. func.: ogf

$$-\frac{1}{4 x^3 - 2 x - 1}$$

Sequence: A099211
Score: 23.2700
Type of gen. func.: lgdogf

$$-\frac{2 (6 x^2 - 1)}{4 x^3 - 2 x - 1}$$

Sequence: A099211
Score: 6.45217
Type of gen. func.: ogf

$$\{-a(n + 3) - 2 a(n + 2) + 4 a(n), a(0) = 1, a(1) = -2, a(2) = 4\}$$

Sequence: A099211
Score: 7.4877
Type of gen. func.: ogf

$$(f(x) + 2) (4 f(x) x^3 - 2 f(x) x - f(x) + 1)$$

Sequence: A099212
Score: 11.9808
Type of gen. func.: ogf

$$-\frac{1 + 2 x}{4 x^3 - 2 x - 1}$$

Sequence: A099212
Score: 16.1207
Type of gen. func.: lgdogf

$$-\frac{4 x^2 (4 x + 3)}{(1 + 2 x) (4 x^3 - 2 x - 1)}$$

Sequence: A099212
Score: 5.86017
Type of gen. func.: ogf

$$\{-a(n + 3) - 2 a(n + 2) + 4 a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$$

Sequence: A099212
Score: 8.55771
Type of gen. func.: ogf

$$4 f(x) x^3 - 2 f(x) x - f(x) + 2 x + 1$$

Sequence: A099213
Score: 12.2821
Type of gen. func.: ogf

$$\frac{(x - 1) (x + 1)}{3 x^3 + x^2 + x - 1}$$

Sequence: A099213
Score: 14.9178
Type of gen. func.: lgdogf

$$-\frac{3 x^4 - 10 x^2 - 1}{(x - 1) (x + 1) (3 x^3 + x^2 + x - 1)}$$

Sequence: A099213
Score: 6.25071
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) - 3 a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A099213
Score: 7.0715
Type of gen. func.: ogf

$$f(x) (3 f(x) x^3 + f(x) x^2 + f(x) x - x^2 - f(x) + 1)$$

Sequence: A099214
Score: 12.2179
Type of gen. func.: lgdogf

$$- \frac{2 (8 x^3 - 10 x^2 + 4 x - 1)}{(2 x - 1) (4 x^3 - 4 x^2 + 4 x - 1)}$$

Sequence: A099214
Score: 12.2332
Type of gen. func.: ogf

$$\frac{2 x - 1}{4 x^3 - 4 x^2 + 4 x - 1}$$

Sequence: A099214
Score: 5.78895
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 4 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A099214
Score: 6.05945
Type of gen. func.: ogf

$$-(f(x) - 1) (4 f(x) x^3 - 4 f(x) x^2 + 4 f(x) x - f(x) - 2 x + 1)$$

Sequence: A099215
Score: 12.6237
Type of gen. func.: ogf

$$\frac{2x-1}{(3x-1)(x^2-x+1)}$$

Sequence: A099215
Score: 13.3851
Type of gen. func.: lgdogf

$$-\frac{12x^3-17x^2+8x-2}{(3x-1)(2x-1)(x^2-x+1)}$$

Sequence: A099215
Score: 5.97371
Type of gen. func.: ogf

$$\{a(n+3)-4a(n+2)+4a(n+1)-3a(n),\ a(0)=1,\ a(1)=2,\ a(2)=4\}$$

Sequence: A099215
Score: 6.25285
Type of gen. func.: ogf

$$-(f(x)+3)(3f(x)x^3-4f(x)x^2+4f(x)x-f(x)-2x+1)$$

Sequence: A099216
Score: 12.0640
Type of gen. func.: ogf

$$\frac{2x-1}{2x^3-4x^2+4x-1}$$

Sequence: A099216
Score: 12.5242
Type of gen. func.: lgdogf

$$-\frac{2(x-1)(4x^2-3x+1)}{}$$

$$(2x-1)(2x^3-4x^2+4x-1)$$

Sequence: A099216
Score: 5.70887
Type of gen. func.: ogf

$$\{a(n+3)-4a(n+2)+4a(n+1)-2a(n),\ a(0)=1,\ a(1)=2,\ a(2)=4\}$$

Sequence: A099216
Score: 7.89373
Type of gen. func.: ogf

$$-2f(x)x^3+4f(x)x^2-4f(x)x+f(x)+2x-1$$

Sequence: A099232
Score: 15.9490
Type of gen. func.: ogf

$$\frac{x}{(x-1)(3x^2+x-1)}$$

Sequence: A099232
Score: 21.4364
Type of gen. func.: lgdogf

$$-\frac{9x^2-4x-2}{(x-1)(3x^2+x-1)}$$

Sequence: A099232
Score: 6.46580
Type of gen. func.: ogf

$$\{-a(n+3)+2a(n+2)+2a(n+1)-3a(n),\ a(0)=0,\ a(1)=1,\ a(2)=2\}$$

Sequence: A099232

Score: 6.96799
Type of gen. func.: ogf

$$-(2 f(x) + 1) (3 f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + f(x) - x)$$

Sequence: A099234
Score: 13.4648
Type of gen. func.: ogf

$$- \frac{1}{x^4 + 3 x^3 + 3 x^2 + x - 1}$$

Sequence: A099234
Score: 17.0118
Type of gen. func.: lgdogf

$$- \frac{(4 x + 1) (x + 1)^2}{x^4 + 3 x^3 + 3 x^2 + x - 1}$$

Sequence: A099234
Score: 5.54434
Type of gen. func.: ogf

$$(23 f(x) - 14) (f(x) x^4 + 3 f(x) x^3 + 3 f(x) x^2 + f(x) x - f(x) + 1)$$

Sequence: A099235
Score: 11.1461
Type of gen. func.: ogf

$$- \frac{1}{(x^2 + x + 1) (x^3 + 3 x^2 + 2 x - 1)}$$

Sequence: A099235
Score: 14.1431
Type of gen. func.: lgdogf

$$-\frac{(5x+1)(x+1)^3}{(x^2+x+1)(x^3+3x^2+2x-1)}$$

Sequence: A099242
Score: 7.64626
Type of gen. func.: lgdogf

$$-\frac{6x^5-30x^4+60x^3-60x^2+30x-7}{x^6-6x^5+15x^4-20x^3+15x^2-7x+1}$$

Sequence: A099242
Score: 8.72765
Type of gen. func.: ogf

$$\frac{1}{x^6-6x^5+15x^4-20x^3+15x^2-7x+1}$$

Sequence: A099247
Score: 5.00801
Type of gen. func.: ogf

$$-(x^{31}-x^{30}+x^{29}+2x^{28}+4x^{27}+7x^{26}-13x^{25}-x^{24}+x^{10}-x^9+x^8+x^7-x^6-x^5+x^3-x^2-1)\Big/(x-1)^2$$

Sequence: A099250
Score: 23.1158
Type of gen. func.: revogf

$$\frac{x(x+1)}{(x^2+x+1)(1+2x)^2}$$

Sequence: A099251
Score: 8.56302

Type of gen. func.: lgdogf

$$1 - 6 x + 9 x^2 + (27 x^3 - 39 x^2 + 13 x - 1) f(x) + (18 x^4 - 38 x^3 + 22 x^2 - 2 x) f(x)^2$$

Sequence: A099252
Score: 3.81663
Type of gen. func.: ogf

$$\{(18 n^3 + 135 n^2 + 333 n + 270) a(n + 1) + (-20 n^3 - 162 n^2 - 433 n - 381) a(n + 2) + (2 n^3 + 19 n^2 + 58 n + 56) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 6\}$$

Sequence: A099253
Score: 6.58092
Type of gen. func.: lgdogf

$$- \frac{7 x^6 - 42 x^5 + 105 x^4 - 140 x^3 + 105 x^2 - 42 x + 8}{x^7 - 7 x^6 + 21 x^5 - 35 x^4 + 35 x^3 - 21 x^2 + 8 x - 1}$$

Sequence: A099253
Score: 8.55329
Type of gen. func.: ogf

$$- \frac{1}{x^7 - 7 x^6 + 21 x^5 - 35 x^4 + 35 x^3 - 21 x^2 + 8 x - 1}$$

Sequence: A099254
Score: 15.6518
Type of gen. func.: ogf

$$\frac{1}{(x^2 - x + 1)^2}$$

Sequence: A099254
Score: 21.2610
Type of gen. func.: ogf_with_Euler_transform]

$$2 x^{5} - 2 x^{2} - 2 x + 2$$

Sequence: A099254
Score: 4.69555
Type of gen. func.: ogf

$$\{(-3 - n) a(n + 3) + (n + 4) a(n + 2) + (-5 - n) a(n + 1), a(0) = 1, a(1) = 2, a(2) = 1\}$$

Sequence: A099254
Score: 40.6027
Type of gen. func.: lgdogf

$$- \frac{2 (2 x - 1)}{x^{2} - x + 1}$$

Sequence: A099254
Score: 6.46177
Type of gen. func.: ogf

$$f(x) (f(x) x^{4} - 2 f(x) x^{3} + 3 f(x) x^{2} - 2 f(x) x + f(x) - 1)$$

Sequence: A099255
Score: 11.6878
Type of gen. func.: ogf

$$- \frac{3 x^{3} + 6 x^{2} - 6 x - 7}{(x^{2} + x - 1) (x^{2} - x - 1)}$$

Sequence: A099255
Score: 6.78309

Type of gen. func.: ogf

$$-(6400 f(x) - 16963) (f(x) x^4 - 3 f(x) x^2 + 3 x^3 + 6 x^2 + f(x) - 6 x - 7)$$

Sequence: A099255
Score: 9.20213
Type of gen. func.: lgdogf

$$- \frac{3 x^6 + 12 x^5 - 9 x^4 - 28 x^3 + 9 x^2 + 30 x + 6}{(x^2 + x - 1) (x^2 - x - 1) (3 x^3 + 6 x^2 - 6 x - 7)}$$

Sequence: A099256
Score: 12.6549
Type of gen. func.: lgdogf

$$- \frac{x^6 - 21 x^4 - 12 x^3 + 21 x^2 + 18 x + 8}{(-3 + x) (x^2 + 3 x + 1) (x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A099256
Score: 16.2440
Type of gen. func.: ogf

$$- \frac{(-3 + x) (x^2 + 3 x + 1)}{(x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A099256
Score: 9.25909
Type of gen. func.: ogf

$$(6400 f(x) - 26287) (f(x) x^4 - 3 f(x) x^2 + x^3 + f(x) - 8 x - 3)$$

Sequence: A099262
Score: 3.45309
Type of gen. func.: ogf

$$-\frac{531 x^5 - 881 x^4 + 535 x^3 - 151 x^2 + 20 x - 1}{(x - 1) (-1 + 4 x) (3 x - 1) (2 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A099263
Score: 3.95856
Type of gen. func.: ogf

$$-\frac{3641 x^6 - 6583 x^5 + 4566 x^4 - 1579 x^3 + 290 x^2 - 27 x + 1}{(x - 1) (6 x - 1) (-1 + 4 x) (3 x - 1) (2 x - 1) (-1 + 8 x) (5 x - 1)}$$

Sequence: A099265
Score: 5.50190
Type of gen. func.: lgdogf

$$-\frac{1140 x^6 - 2749 x^5 + 2699 x^4 - 1368 x^3 + 376 x^2 - 53 x + 3}{(x - 1) (3 x - 1) (2 x - 1) (5 x - 1) (19 x^3 - 24 x^2 + 9 x - 1)}$$

Sequence: A099265
Score: 6.40584
Type of gen. func.: ogf

$$\frac{19 x^3 - 24 x^2 + 9 x - 1}{(3 x - 1) (2 x - 1) (5 x - 1) (x - 1)^2}$$

Sequence: A099266
Score: 5.30621
Type of gen. func.: ogf

$$\frac{91 x^4 - 135 x^3 + 68 x^2 - 14 x + 1}{(6 x - 1) (3 x - 1) (2 x - 1) (-1 + 4 x) (x - 1)^2}$$

Sequence: A099269
Score: 2.70805

Type of gen. func.: ogf

$$-(7051 f(x) - 999) (18 f(x) x^{3} - 4 f(x) x^{2} - 7 f(x) x + f(x) + 3 x - 1)$$

Sequence: A099269
Score: 5.46625
Type of gen. func.: lgdogf

$$-\frac{2 (54 x^{3} - 33 x^{2} + 4 x + 2)}{(3 x - 1) (18 x^{3} - 4 x^{2} - 7 x + 1)}$$

Sequence: A099269
Score: 5.66685
Type of gen. func.: ogf

$$-\frac{3 x - 1}{18 x^{3} - 4 x^{2} - 7 x + 1}$$

Sequence: A099270
Score: 11.6899
Type of gen. func.: lgdogf

$$-\frac{2 (-3 + x) (x^{2} - 5 x - 2)}{(x - 1) (x + 1) (x^{2} - 14 x + 1)}$$

Sequence: A099270
Score: 4.69051
Type of gen. func.: ogf

$$\{a(n + 3) - 13 a(n + 2) - 13 a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 12\}$$

Sequence: A099270
Score: 4.86108
Type of gen. func.: ogf

```
                              3            2                 2
```

$$(12 f(x) + 1) (f(x) x - 13 f(x) x - 13 f(x) x + x + f(x) - x)$$

Sequence: A099270
Score: 9.06302
Type of gen. func.: ogf

$$- \frac{x (x - 1)}{(x + 1) (x^2 - 14 x + 1)}$$

Sequence: A099271
Score: 11.2002
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 17 x^2 + 28 x + 13}{(x - 1) (x + 1) (x^2 - 15 x + 1)}$$

Sequence: A099271
Score: 4.79193
Type of gen. func.: ogf

$$\{a(n + 3) - 14 a(n + 2) - 14 a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 13\}$$

Sequence: A099271
Score: 4.96618
Type of gen. func.: ogf

$$(13 f(x) + 1) (f(x) x^3 - 14 f(x) x^2 - 14 f(x) x + x^2 + f(x) - x)$$

Sequence: A099271
Score: 9.25898
Type of gen. func.: ogf

$$- \frac{x (x - 1)}{(x + 1) (x^2 - 15 x + 1)}$$

Sequence: A099272
Score: 11.6230
Type of gen. func.: lgdogf

$$-\frac{2\,(x^3 - 9\,x^2 + 15\,x + 7)}{(x - 1)\,(x + 1)\,(x^2 - 16\,x + 1)}$$

Sequence: A099272
Score: 12.0337
Type of gen. func.: ogf

$$-\frac{x\,(x - 1)}{(x + 1)\,(x^2 - 16\,x + 1)}$$

Sequence: A099272
Score: 6.22796
Type of gen. func.: ogf

$$\{a(n + 3) - 15\,a(n + 2) - 15\,a(n + 1) + a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 14\}$$

Sequence: A099272
Score: 6.45444
Type of gen. func.: ogf

$$(14\,f(x) + 1)\,(f(x)\,x^3 - 15\,f(x)\,x^2 - 15\,f(x)\,x + x^2 + f(x) - x)$$

Sequence: A099273
Score: 10.2114
Type of gen. func.: lgdogf

$$-\frac{2\,x^3 - 19\,x^2 + 32\,x + 15}{(x - 1)\,(x + 1)\,(x^2 - 17\,x + 1)}$$

Sequence: A099273
Score: 4.37408
Type of gen. func.: ogf

$$\{a(n+3) - 16\, a(n+2) - 16\, a(n+1) + a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 15\}$$

Sequence: A099273
Score: 4.53314
Type of gen. func.: ogf

$$(15 f(x) + 1) (f(x) x^3 - 16 f(x) x^2 - 16 f(x) x + x^2 + f(x) - x)$$

Sequence: A099273
Score: 8.45161
Type of gen. func.: ogf

$$-\frac{x (x - 1)}{(x + 1) (x^2 - 17 x + 1)}$$

Sequence: A099275
Score: 10.5655
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 21 x^2 + 36 x + 17}{(x - 1) (x + 1) (x^2 - 19 x + 1)}$$

Sequence: A099275
Score: 4.52319
Type of gen. func.: ogf

$$\{a(n+3) - 18\, a(n+2) - 18\, a(n+1) + a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 17\}$$

Sequence: A099275
Score: 4.68768
Type of gen. func.: ogf

$$(17 f(x) + 1) (f(x) x^3 - 18 f(x) x^2 - 18 f(x) x + x^2 + f(x) - x)$$

Sequence: A099275
Score: 8.73973
Type of gen. func.: ogf

$$-\frac{x(x-1)}{(x+1)(x^2-19x+1)}$$

Sequence: A099276
Score: 10.9109
Type of gen. func.: lgdogf

$$-\frac{2(x^3-11x^2+19x+9)}{(x-1)(x+1)(x^2-20x+1)}$$

Sequence: A099276
Score: 4.57290
Type of gen. func.: ogf

$$\{a(n+3)-19a(n+2)-19a(n+1)+a(n),\ a(0)=0,\ a(1)=1,\ a(2)=18\}$$

Sequence: A099276
Score: 4.73919
Type of gen. func.: ogf

$$(18f(x)+1)(f(x)x^3-19f(x)x^2-19f(x)x+x^2+f(x)-x)$$

Sequence: A099276
Score: 8.83578
Type of gen. func.: ogf

$$-\frac{x(x-1)}{(x+1)(x^2-20x+1)}$$

Sequence: A099277
Score: 10.8016
Type of gen. func.: lgdogf

$$-\frac{2x^3 - 23x^2 + 40x + 19}{(x - 1)(x + 1)(x^2 - 21x + 1)}$$

Sequence: A099277
Score: 4.62261
Type of gen. func.: ogf

$$\{a(n + 3) - 20\,a(n + 2) - 20\,a(n + 1) + a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 19\}$$

Sequence: A099277
Score: 4.79071
Type of gen. func.: ogf

$$(19\,f(x) + 1)\,(f(x)\,x^3 - 20\,f(x)\,x^2 - 20\,f(x)\,x + x^2 + f(x) - x)$$

Sequence: A099277
Score: 8.93181
Type of gen. func.: ogf

$$-\frac{x\,(x - 1)}{(x + 1)(x^2 - 21x + 1)}$$

Sequence: A099278
Score: 11.0377
Type of gen. func.: lgdogf

$$-\frac{2\,(x^3 - 12x^2 + 21x + 10)}{(x - 1)(x + 1)(x^2 - 22x + 1)}$$

Sequence: A099278
Score: 4.72202
Type of gen. func.: ogf

$$\{a(n + 3) - 21\,a(n + 2) - 21\,a(n + 1) + a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 20\}$$

Sequence: A099278
Score: 4.89373
Type of gen. func.: ogf

$$(20 f(x) + 1) (f(x) x^3 - 21 f(x) x^2 - 21 f(x) x + x^2 + f(x) - x)$$

Sequence: A099278
Score: 9.12390
Type of gen. func.: ogf

$$-\frac{x (x - 1)}{(x + 1) (x^2 - 22 x + 1)}$$

Sequence: A099279
Score: 10.5492
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - 10 x^2 + 17 x + 8)}{(x - 1) (x + 1) (x^2 - 18 x + 1)}$$

Sequence: A099279
Score: 4.42378
Type of gen. func.: ogf

$$\{a(n + 3) - 17 a(n + 2) - 17 a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 16\}$$

Sequence: A099279
Score: 6.72678
Type of gen. func.: ogf

$$(16 f(x) + 1) (f(x) x^3 - 17 f(x) x^2 - 17 f(x) x + x^2 + f(x) - x)$$

Sequence: A099279
Score: 8.54764
Type of gen. func.: ogf

$$-\frac{x (x - 1)}{(x + 1) (x^2 - 18 x + 1)}$$

Sequence: A099322
Score: 4.50778
Type of gen. func.: ogf

$$(259 f(x) - 59) (8 f(x) x^4 - 16 f(x) x^3 + f(x) x^2 + 7 f(x) x - x^2 - f(x) + x)$$

Sequence: A099322
Score: 8.81065
Type of gen. func.: ogf

$$\frac{x (x - 1)}{(8 x^2 - 8 x + 1) (x^2 - x - 1)}$$

Sequence: A099322
Score: 9.53950
Type of gen. func.: lgdogf

$$-\frac{24 x^4 - 64 x^3 + 49 x^2 - 2 x - 6}{(x - 1) (8 x^2 - 8 x + 1) (x^2 - x - 1)}$$

Sequence: A099323
Score: 10.7769
Type of gen. func.: ogf

$$f(x)^2 x - f(x)^2 - f(x) x + f(x) + x$$

Sequence: A099323
Score: 6.90101
Type of gen. func.: ogf

$$\{3 a(n) n - 2 a(n + 1) n + (-2 - n) a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A099324
Score: 12.9261
Type of gen. func.: lgdogf

$$-\frac{x + 1 + (4 x + 1)^{1/2} x - (4 x + 1)^{1/2}}{2 (4 x + 1)^{1/2} x (x + 1)}$$

Sequence: A099324
Score: 5.13005
Type of gen. func.: ogf

$$\{(4 n + 6) a(n + 1) + (5 n + 9) a(n + 2) + (n + 3) a(n + 3), a(0) = 1, a(1) = 0, a(2) = -1\}$$

Sequence: A099324
Score: 8.39974
Type of gen. func.: ogf

$$f(x)^2 x^2 + 2 f(x)^2 x + f(x)^2 - f(x) x - f(x) - x$$

Sequence: A099325
Score: 10.6497
Type of gen. func.: lgdogf

$$\frac{-8 x^2 - 6 x - 1 + (-(2 x - 1) (1 + 2 x))^{1/2}}{2 x (1 + 2 x) (2 x - 1)}$$

Sequence: A099325
Score: 5.18151
Type of gen. func.: ogf

$$-8 f(x)^2 x^3 + 12 f(x)^2 x^2 - 6 f(x)^2 x - 4 f(x) x^2 + f(x)^2 + 4 f(x) x - f(x) - x$$

Sequence: A099325
Score: 8.66172

Type of gen. func.: revogf

$$-1/3\,\frac{x\left(\mathrm{HeunG}\left(\frac{27}{112}, \frac{-27}{56}, -1/3, 1/3, 3/2, 1/2, -\frac{27\,x}{4}\right) - 4 - 12\,x\right)}{8\,x^{2} + 4\,x + 1}$$

Sequence: A099326
Score: 4.34204
Type of gen. func.: ogf

$$16\,f(x)^{2}\,x^{4} - 32\,f(x)^{2}\,x^{3} + 24\,f(x)^{2}\,x^{2} - 8\,f(x)^{2}\,x - 4\,f(x)\,x^{2} + f(x)^{2} + 4\,f(x)\,x + x^{2} - f(x)$$

Sequence: A099327
Score: 9.66896
Type of gen. func.: lgdogf

$$-15 - 16\,x - 8\,x^{2} + (-16\,x^{3} - 12\,x^{2} + 4\,x + 3)\,f(x) + (-8\,x^{4} + 4\,x^{3} + 2\,x^{2} - x)\,f(x)^{2}$$

Sequence: A099328
Score: 6.66379
Type of gen. func.: lgdogf

$$-\frac{2\,x\,(3\,x^{9} - 2\,x^{8} - x^{7} + 3\,x^{6} - 7\,x^{5} + 3\,x^{4} + x^{3} + 3\,x^{2} - 2\,x + 1)}{(x + 1)\,(2\,x^{3} - 2\,x^{2} + 2\,x - 1)\,(x^{3} + x^{2} + x - 1)\,(x^{4} - 2\,x^{3} - 1)}$$

Sequence: A099328
Score: 7.95956
Type of gen. func.: ogf

$$-\frac{(x + 1)\,(2\,x^{3} - 2\,x^{2} + 2\,x - 1)}{(x^{3} + x^{2} + x - 1)\,(x^{4} - 2\,x^{3} - 1)}$$

Sequence: A099329
Score: 6.98963
Type of gen. func.: ogf

$$-\frac{x^2 (x^3 - x^2 - 1)}{(x^3 + x^2 + x - 1) (x^4 - 2 x^3 - 1)}$$

Sequence: A099329
Score: 7.13047
Type of gen. func.: lgdogf

$$-\frac{4 x^9 - 8 x^8 + 2 x^7 - 7 x^6 + 12 x^5 + 5 x^4 + 14 x^3 - 7 x^2 + 4 x + 1}{(x^3 - x^2 - 1) (x^3 + x^2 + x - 1) (x^4 - 2 x^3 - 1)}$$

Sequence: A099330
Score: 7.27787
Type of gen. func.: ogf

$$\frac{x (x^3 - x + 1)}{(x^3 + x^2 + x - 1) (x^4 - 2 x^3 - 1)}$$

Sequence: A099330
Score: 7.76429
Type of gen. func.: lgdogf

$$-\frac{x (4 x^8 - 3 x^7 - 8 x^6 + 9 x^5 - 2 x^4 + 5 x^3 - 12 x^2 + x - 2)}{(x^3 - x + 1) (x^3 + x^2 + x - 1) (x^4 - 2 x^3 - 1)}$$

Sequence: A099331
Score: 7.32910
Type of gen. func.: ogf

$$\frac{x^3 (x^2 - x + 2)}{}$$

$$(x^3 + x^2 + x - 1) (x^4 - 2 x^3 - 1)$$

Sequence: A099331
Score: 8.46698
Type of gen. func.: lgdogf

$$- \frac{5 x^8 - 10 x^7 + 16 x^6 - 14 x^5 - 26 x^3 + 8 x^2 - 6 x - 1}{(x^2 - x + 2) (x^3 + x^2 + x - 1) (x^4 - 2 x^3 - 1)}$$

Sequence: A099359
Score: 4.31942
Type of gen. func.: ogf

$$-(108159 f(x) + 143093) (64 f(x) x^4 - 120 f(x) x^3 + 70 f(x) x^2 + 88 x^3 - 15 f(x) x - 168 x^2 + f(x) + 65 x - 6)$$

Sequence: A099359
Score: 8.03612
Type of gen. func.: ogf

$$- \frac{88 x^3 - 168 x^2 + 65 x - 6}{(x - 1) (-1 + 8 x) (2 x - 1) (-1 + 4 x)}$$

Sequence: A099360
Score: 4.72202
Type of gen. func.: ogf

$$- \frac{3136 x^4 - 5624 x^3 + 2514 x^2 - 355 x + 14}{(16 x - 1) (x - 1) (-1 + 8 x) (2 x - 1) (-1 + 4 x)}$$

Sequence: A099363
Score: 10.3575
Type of gen. func.: ogf

2 3   2

$$f(x)\ x - 2 f(x) x - f(x) x + f(x) + 2 x - 1$$

Sequence: A099363
Score: 18.6231
Type of gen. func.: revogf

$$-\frac{-1 - x + (-(-1 + 4 x) (x - 1)^2)^{1/2}}{2 (x^2 - 2 x + 2)}$$

Sequence: A099364
Score: 15.4284
Type of gen. func.: lgdogf

$$-\frac{2 (-x - 1 + 2 x^2 + (-(2 x - 1) (1 + 2 x))^{1/2})}{x (1 + 2 x) (2 x - 1)}$$

Sequence: A099364
Score: 7.85311
Type of gen. func.: ogf

$$-f(x)^2 x^4 + 4 f(x) x^3 - 2 f(x) x^2 - 2 f(x) x - 4 x^2 + f(x) + 4 x - 1$$

Sequence: A099365
Score: 11.5689
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 29 x^2 + 52 x + 25}{(x - 1) (x + 1) (x^2 - 27 x + 1)}$$

Sequence: A099365
Score: 4.94569
Type of gen. func.: ogf

$$\{a(n + 3) - 26 a(n + 2) - 26 a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 25\}$$

Sequence: A099365
Score: 5.12554
Type of gen. func.: ogf

$$(25 f(x) + 1) (f(x) x^3 - 26 f(x) x^2 - 26 f(x) x + x^2 + f(x) - x)$$

Sequence: A099365
Score: 9.55608
Type of gen. func.: ogf

$$-\frac{x (x - 1)}{(x + 1) (x^2 - 27 x + 1)}$$

Sequence: A099366
Score: 10.9748
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - 20 x^2 + 37 x + 18)}{(x - 1) (x + 1) (x^2 - 38 x + 1)}$$

Sequence: A099366
Score: 4.69395
Type of gen. func.: ogf

$$\{a(n + 3) - 37 a(n + 2) - 37 a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 36\}$$

Sequence: A099366
Score: 4.86463
Type of gen. func.: ogf

$$(36 f(x) + 1) (f(x) x^3 - 37 f(x) x^2 - 37 f(x) x + x^2 + f(x) - x)$$

Sequence: A099366
Score: 9.06966
Type of gen. func.: ogf

$$-\frac{x\,(x-1)}{(x+1)\,(x^2-38\,x+1)}$$

Sequence: A099367
Score: 11.4864
Type of gen. func.: lgdogf

$$-\frac{2\,x^3-53\,x^2+100\,x+49}{(x-1)\,(x+1)\,(x^2-51\,x+1)}$$

Sequence: A099367
Score: 5.01012
Type of gen. func.: ogf

$$\{a(n+3)-50\,a(n+2)-50\,a(n+1)+a(n),\ a(0)=0,\ a(1)=1,\ a(2)=49\}$$

Sequence: A099367
Score: 5.1923
Type of gen. func.: ogf

$$(49\,f(x)+1)\,(f(x)\,x^3-50\,f(x)\,x^2-50\,f(x)\,x+x^2+f(x)-x)$$

Sequence: A099367
Score: 9.68058
Type of gen. func.: ogf

$$-\frac{x\,(x-1)}{(x+1)\,(x^2-51\,x+1)}$$

Sequence: A099368
Score: 11.8117
Type of gen. func.: ogf

$$-\frac{51\,x-2}{x^2-51\,x+1}$$

Sequence: A099368
Score: 13.6080
Type of gen. func.: revogf

$$-\frac{-2 - 51 x + (2597 x^2 + 4)^{1/2}}{2 (x + 51)}$$

Sequence: A099368
Score: 14.3242
Type of gen. func.: lgdogf

$$-\frac{51 x^2 - 4 x + 51}{(51 x - 2) (x^2 - 51 x + 1)}$$

Sequence: A099368
Score: 5.7232
Type of gen. func.: ogf

$$-(2597 f(x) - 2593) (f(x) x^2 - 51 f(x) x + f(x) + 51 x - 2)$$

Sequence: A099368
Score: 6.60893
Type of gen. func.: ogf

$$\{a(n + 2) - 51 a(n + 1) + a(n), a(0) = 2, a(1) = 51\}$$

Sequence: A099369
Score: 10.6065
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - 34 x^2 + 65 x + 32)}{(x - 1) (x + 1) (x^2 - 66 x + 1)}$$

Sequence: A099369
Score: 4.53718
Type of gen. func.: ogf

$$\{a(n + 3) - 65 a(n + 2) - 65 a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 64\}$$

Sequence: A099369
Score: 4.70216
Type of gen. func.: ogf

$$(64 f(x) + 1) (f(x) x^3 - 65 f(x) x^2 - 65 f(x) x + x^2 + f(x) - x)$$

Sequence: A099369
Score: 8.76675
Type of gen. func.: ogf

$$-\frac{x (x - 1)}{(x + 1) (x^2 - 66 x + 1)}$$

Sequence: A099370
Score: 10.4439
Type of gen. func.: ogf

$$-\frac{33 x - 1}{x^2 - 66 x + 1}$$

Sequence: A099370
Score: 12.6397
Type of gen. func.: lgdogf

$$-\frac{33 x^2 - 2 x + 33}{(33 x - 1) (x^2 - 66 x + 1)}$$

Sequence: A099370
Score: 5.06046
Type of gen. func.: ogf

$$-(2176 f(x) - 1087) (f(x) x^2 - 66 f(x) x + f(x) + 33 x - 1)$$

Sequence: A099370
Score: 5.84363
Type of gen. func.: ogf

$$\{a(n + 2) - 66 a(n + 1) + a(n), a(0) = 1, a(1) = 33\}$$

Sequence: A099371
Score: 12.3642
Type of gen. func.: ogf

$$-f(x) x^2 - 9 f(x) x + f(x) - x$$

Sequence: A099371
Score: 15.7883
Type of gen. func.: ogf

$$-\frac{x}{x^2 + 9 x - 1}$$

Sequence: A099371
Score: 15.9772
Type of gen. func.: revogf

$$\frac{-1 - 9 x + (85 x^2 + 18 x + 1)^{1/2}}{2 x}$$

Sequence: A099371
Score: 28.7590
Type of gen. func.: lgdogf

$$-\frac{9 + 2 x}{x^2 + 9 x - 1}$$

Sequence: A099371
Score: 7.21194
Type of gen. func.: ogf

$$\{-a(n+2)+9\,a(n+1)+a(n),\ a(0)=0,\ a(1)=1\}$$

Sequence: A099372
Score: 4.02804
Type of gen. func.: ogf

$$\{a(n+3)-82\,a(n+2)-82\,a(n+1)+a(n),\ a(0)=0,\ a(1)=1,\ a(2)=81\}$$

Sequence: A099372
Score: 6.64517
Type of gen. func.: ogf

$$(81\,f(x)+1)\,(f(x)\,x^3-82\,f(x)\,x^2-82\,f(x)\,x+x^2+f(x)-x)$$

Sequence: A099372
Score: 7.78298
Type of gen. func.: ogf

$$-\frac{x\,(x-1)}{(x+1)\,(x^2-83\,x+1)}$$

Sequence: A099372
Score: 9.20978
Type of gen. func.: lgdogf

$$-\frac{2\,x^3-85\,x^2+164\,x+81}{(x-1)\,(x+1)\,(x^2-83\,x+1)}$$

Sequence: A099373
Score: 11.4073
Type of gen. func.: lgdogf

$$83\,x^2-4\,x+83$$

$$- \frac{}{(83 x - 2) (x^2 - 83 x + 1)}$$

Sequence: A099373
Score: 5.28257
Type of gen. func.: ogf

$$\{a(n + 2) - 83 a(n + 1) + a(n), a(0) = 2, a(1) = 83\}$$

Sequence: A099373
Score: 7.34593
Type of gen. func.: ogf

$$-(6885 f(x) - 6881) (f(x) x^2 - 83 f(x) x + f(x) + 83 x - 2)$$

Sequence: A099373
Score: 9.44119
Type of gen. func.: ogf

$$- \frac{83 x - 2}{x^2 - 83 x + 1}$$

Sequence: A099374
Score: 3.50762
Type of gen. func.: ogf

$$\{a(n + 3) - 101 a(n + 2) - 101 a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 100\}$$

Sequence: A099374
Score: 3.63179
Type of gen. func.: ogf

$$(100 f(x) + 1) (f(x) x^3 - 101 f(x) x^2 - 101 f(x) x + x^2 + f(x) - x)$$

Sequence: A099374
Score: 6.72774
Type of gen. func.: ogf

$$-\frac{x (x - 1)}{(x + 1) (x^2 - 102 x + 1)}$$

Sequence: A099374
Score: 7.89602
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - 52 x^2 + 101 x + 50)}{(x - 1) (x + 1) (x^2 - 102 x + 1)}$$

Sequence: A099376
Score: 18.6305
Type of gen. func.: lgdogf

$$\frac{8}{(1 - 4 x)^{1/2} (1 + (1 - 4 x)^{1/2})}$$

Sequence: A099376
Score: 5.16085
Type of gen. func.: ogf

$$\{(-4 n^2 - 18 n - 20) a(n + 1) + (n^2 + 6 n + 5) a(n + 2), a(0) = 0, a(1) = 1\}$$

Sequence: A099376
Score: 8.10989
Type of gen. func.: ogf

$$f(x)^2 x^3 - 2 f(x) x^2 + 4 f(x) x - f(x) + x$$

Sequence: A099392
Score: 12.0248
Type of gen. func.: ogf

$$x^3 + x^2 - x + 1$$

```
                         - ----------------
                                          3
                           (x + 1) (x - 1)



--------------------------------------------------------------------------------

Sequence:  A099392
Score: 17.6903
Type of gen. func.: lgdogf


                              2        2
                            (x  + 1) (x  + 4 x + 1)
                  - -----------------------------------
                                         3    2
                    (x - 1) (x + 1) (x  + x  - x + 1)



--------------------------------------------------------------------------------

Sequence:  A099392
Score: 6.97234
Type of gen. func.: ogf


                          4            3    3               2
     (5 f(x) - 4) (f(x) x  - 2 f(x) x  + x  + 2 f(x) x + x  - f(x) - x + 1)



--------------------------------------------------------------------------------

Sequence:  A099393
Score: 5.28082
Type of gen. func.: ogf


 {a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 5, a(2) = 19}



--------------------------------------------------------------------------------

Sequence:  A099393
Score: 5.32757
Type of gen. func.: ogf


                           3            2                 2
   (7 f(x) - 39) (8 f(x) x  - 14 f(x) x  + 7 f(x) x - 2 x  - f(x) - 2 x + 1)



--------------------------------------------------------------------------------

Sequence:  A099393
Score: 8.54307
Type of gen. func.: lgdogf


                               4       3       2
                          16 x  + 32 x  - 66 x  + 32 x - 5
                  - ----------------------------------------------
                                                          2
                    (x - 1) (2 x - 1) (-1 + 4 x) (2 x  + 2 x - 1)
```

Sequence: A099393
Score: 9.70990
Type of gen. func.: ogf

$$\frac{2 x^2 + 2 x - 1}{(2 x - 1) (-1 + 4 x) (x - 1)}$$

Sequence: A099397
Score: 11.1148
Type of gen. func.: lgdogf

$$-\frac{51 x^2 - 2 x + 51}{(51 x - 1) (x^2 - 102 x + 1)}$$

Sequence: A099397
Score: 4.52792
Type of gen. func.: ogf

$$-(5200 f(x) - 2599) (f(x) x^2 - 102 f(x) x + f(x) + 51 x - 1)$$

Sequence: A099397
Score: 5.22042
Type of gen. func.: ogf

$$\{a(n + 2) - 102 a(n + 1) + a(n), a(0) = 1, a(1) = 51\}$$

Sequence: A099397
Score: 9.24450
Type of gen. func.: ogf

$$-\frac{51 x - 1}{x^2 - 102 x + 1}$$

Sequence: A099423
Score: 5.82435
Type of gen. func.: ogf

$$\frac{(x^5 - x^4 + 1)(x^{10} + x^8 - 2x^4 + 1)}{(x - 1)(x + 1)(x^2 + 1)(2x^4 - 1)(2x^8 - 2x^4 + 1)}$$

Sequence: A099425
Score: 15.9786
Type of gen. func.: ogf

$$-\frac{x^2 + 1}{x^2 + 2x - 1}$$

Sequence: A099425
Score: 19.6096
Type of gen. func.: lgdogf

$$\frac{2(x^2 - 2x - 1)}{(x^2 + 1)(x^2 + 2x - 1)}$$

Sequence: A099425
Score: 7.67598
Type of gen. func.: ogf

$$\{-a(n + 3) + 2a(n + 2) + a(n + 1), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A099425
Score: 8.41881
Type of gen. func.: ogf

$$-(2f(x) - 1)(f(x)x^2 + 2f(x)x + x^2 - f(x) + 1)$$

Sequence: A099428
Score: 6.06045
Type of gen. func.: lgdogf

2

$$-\frac{3 x - 7 x - 3}{(x - 2) (x^2 + x - 1)}$$

Sequence: A099429
Score: 11.2496
Type of gen. func.: ogf

$$-\frac{x^2 (x - 2)}{(x + 1)^2 (2 x - 1)^2}$$

Sequence: A099429
Score: 20.2430
Type of gen. func.: lgdogf

$$-\frac{3 (2 x^2 - 5 x - 1)}{(x - 2) (2 x - 1) (x + 1)}$$

Sequence: A099429
Score: 4.46106
Type of gen. func.: ogf

$$\{(-2 n^2 - 10 n - 12) a(n + 1) + (-n^2 - 4 n - 3) a(n + 2) + (n^2 + 3 n + 2) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A099429
Score: 5.79272
Type of gen. func.: ogf

$$-(15 f(x) + 8) (4 f(x) x^4 + 4 f(x) x^3 - 3 f(x) x^2 + x^3 - 2 f(x) x - 2 x^2 + f(x))$$

Sequence: A099430
Score: 11.4199
Type of gen. func.: ogf

$$\frac{3 x^2 - 2 x + 1}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A099430
Score: 11.6308
Type of gen. func.: lgdogf

$$- \frac{2 x (3 x^3 - 4 x^2 + 7 x - 4)}{(x - 1) (2 x - 1) (x + 1) (3 x^2 - 2 x + 1)}$$

Sequence: A099430
Score: 6.16472
Type of gen. func.: ogf

$$(81 f(x) + 94) (2 f(x) x^3 - f(x) x^2 - 2 f(x) x - 3 x^2 + f(x) + 2 x - 1)$$

Sequence: A099430
Score: 6.27580
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) - a(n + 1) + 2 a(n), a(0) = 1, a(1) = 0, a(2) = 4}

Sequence: A099431
Score: 15.5727
Type of gen. func.: lgdogf

$$- \frac{12 x (x^2 - x + 1)}{(2 x - 1) (x + 1) (3 x^2 - 2 x + 1)}$$

Sequence: A099431
Score: 4.76405
Type of gen. func.: ogf

-(324 f(x) - 2239)

4 3 2 3 2

(4 f(x) x + 4 f(x) x - 3 f(x) x - 3 x - 2 f(x) x + 2 x + f(x) - x)

Sequence: A099431
Score: 4.83211
Type of gen. func.: ogf

{a(n + 4) - 2 a(n + 3) - 3 a(n + 2) + 4 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 1,

a(2) = 0, a(3) = 6}

Sequence: A099431
Score: 9.26707
Type of gen. func.: ogf

$$\frac{x\,(3\,x^2 - 2\,x + 1)}{(x + 1)^2\,(2\,x - 1)^2}$$

Sequence: A099432
Score: 13.8370
Type of gen. func.: ogf

$$\frac{1}{(3\,x^2 + 3\,x - 1)^2}$$

Sequence: A099432
Score: 25.9984
Type of gen. func.: lgdogf

$$-\frac{6\,(1 + 2\,x)}{3\,x^2 + 3\,x - 1}$$

Sequence: A099432
Score: 4.16016
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-12 - 3 n) a(n + 2) + (-15 - 3 n) a(n + 1), a(0) = 1,

a(1) = 6, a(2) = 33}

Sequence: A099432
Score: 5.26037
Type of gen. func.: ogf

$$(397 f(x) + 40) (9 f(x) x^4 + 18 f(x) x^3 + 3 f(x) x^2 - 6 f(x) x + f(x) - 1)$$

Sequence: A099443
Score: 13.7471
Type of gen. func.: ogf

$$\frac{x^2 + 1}{x^4 - x^3 + x^2 - x + 1}$$

Sequence: A099443
Score: 21.8648
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - x^4 + 4 x^3 - 2 x^2 - 1}{(x^2 + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A099443
Score: 24.1006
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 - x^4 - x^3 + 1$$

Sequence: A099443
Score: 6.29268
Type of gen. func.: ogf

$\{-a(n + 4) + a(n + 3) - a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 1,$

$a(2) = 1, a(3) = 1\}$

Sequence: A099443
Score: 8.67534
Type of gen. func.: ogf

$$f(x)\,x^4 - f(x)\,x^3 + f(x)\,x^2 - f(x)\,x - x^2 + f(x) - 1$$

Sequence: A099444
Score: 10.1513
Type of gen. func.: lgdogf

$$-\frac{2\,x^5 - 3\,x^4 + 4\,x^3 - 6\,x^2 + 4\,x - 3}{(x^2 + 1)\,(x^4 - 3\,x^3 + 3\,x^2 - 3\,x + 1)}$$

Sequence: A099444
Score: 10.3606
Type of gen. func.: ogf

$$\frac{x^2 + 1}{x^4 - 3\,x^3 + 3\,x^2 - 3\,x + 1}$$

Sequence: A099444
Score: 5.22044
Type of gen. func.: ogf

$$-(3\,f(x) + 2)\,(f(x)\,x^4 - 3\,f(x)\,x^3 + 3\,f(x)\,x^2 - 3\,f(x)\,x - x^2 + f(x) - 1)$$

Sequence: A099445
Score: 10.3606
Type of gen. func.: ogf

$$-\frac{(x - 1)\,(x + 1)\,(x^2 + 1)}{x^4 - 3\,x^3 + 3\,x^2 - 3\,x + 1}$$

Sequence: A099445
Score: 5.18029

Type of gen. func.: ogf

$$-(22 f(x) + 5) (f(x) x^4 - 3 f(x) x^3 + x^4 + 3 f(x) x^2 - 3 f(x) x + f(x) - 1)$$

Sequence: A099445
Score: 8.04674
Type of gen. func.: lgdogf

$$-\frac{3 x^6 - 6 x^5 + 9 x^4 - 8 x^3 + 9 x^2 - 6 x + 3}{(x - 1) (x + 1) (x^2 + 1) (x^4 - 3 x^3 + 3 x^2 - 3 x + 1)}$$

Sequence: A099446
Score: 10.0592
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 3 x^4 + 4 x^3 - 6 x^2 + 8 x - 3}{(x^2 + 1) (x^4 - 3 x^3 + 5 x^2 - 3 x + 1)}$$

Sequence: A099446
Score: 4.6976
Type of gen. func.: ogf

$$-(17 f(x) - 18) (f(x) x^4 - 3 f(x) x^3 + 5 f(x) x^2 - 3 f(x) x - x^2 + f(x) - 1)$$

Sequence: A099446
Score: 9.46748
Type of gen. func.: ogf

$$\frac{x^2 + 1}{x^4 - 3 x^3 + 5 x^2 - 3 x + 1}$$

Sequence: A099447
Score: 4.49752
Type of gen. func.: ogf

$$-(52 f(x) - 63) (f(x) x^4 - 3 f(x) x^3 + x^4 + 5 f(x) x^2 - 3 f(x) x + f(x) - 1)$$

Sequence: A099447
Score: 7.46784
Type of gen. func.: lgdogf

$$-\frac{3 x^6 - 10 x^5 + 9 x^4 - 8 x^3 + 9 x^2 - 10 x + 3}{(x - 1) (x + 1) (x^2 + 1) (x^4 - 3 x^3 + 5 x^2 - 3 x + 1)}$$

Sequence: A099447
Score: 9.06425
Type of gen. func.: ogf

$$-\frac{(x - 1) (x + 1) (x^2 + 1)}{x^4 - 3 x^3 + 5 x^2 - 3 x + 1}$$

Sequence: A099448
Score: 10.0528
Type of gen. func.: ogf

$$\frac{x^2 + 1}{x^4 - 5 x^3 + 7 x^2 - 5 x + 1}$$

Sequence: A099448
Score: 5.10494
Type of gen. func.: ogf

$$(251 f(x) + 50) (f(x) x^4 - 5 f(x) x^3 + 7 f(x) x^2 - 5 f(x) x - x^2 + f(x) - 1)$$

Sequence: A099448
Score: 9.56055
Type of gen. func.: lgdogf

5   4   3   2

$$-\frac{2 x - 5 x + 4 x - 10 x + 12 x - 5}{(x^2 + 1) (x^4 - 5 x^3 + 7 x^2 - 5 x + 1)}$$

Sequence: A099449
Score: 10.0033
Type of gen. func.: ogf

$$-\frac{(x - 1) (x + 1) (x^2 + 1)}{x^4 - 5 x^3 + 7 x^2 - 5 x + 1}$$

Sequence: A099449
Score: 4.96346
Type of gen. func.: ogf

$$-(38 f(x) + 25) (f(x) x^4 - 5 f(x) x^3 + x^4 + 7 f(x) x^2 - 5 f(x) x + f(x) - 1)$$

Sequence: A099449
Score: 7.41091
Type of gen. func.: lgdogf

$$-\frac{5 x^6 - 14 x^5 + 15 x^4 - 8 x^3 + 15 x^2 - 14 x + 5}{(x - 1) (x + 1) (x^2 + 1) (x^4 - 5 x^3 + 7 x^2 - 5 x + 1)}$$

Sequence: A099450
Score: 22.9588
Type of gen. func.: ogf

$$\frac{1}{7 x^2 - 5 x + 1}$$

Sequence: A099450
Score: 32.4103
Type of gen. func.: lgdogf

$$-5 + 14 x$$

$$- \frac{}{7 x^2 - 5 x + 1}$$

Sequence: A099450
Score: 9.12821
Type of gen. func.: ogf

$$(11 f(x) + 14) (7 f(x) x^2 - 5 f(x) x + f(x) - 1)$$

Sequence: A099450
Score: 9.23954
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - 7 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A099451
Score: 12.2567
Type of gen. func.: ogf

$$\frac{x^2 + 1}{x^4 - 5 x^3 + 9 x^2 - 5 x + 1}$$

Sequence: A099451
Score: 12.3521
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - 5 x^4 + 4 x^3 - 10 x^2 + 16 x - 5}{(x^2 + 1) (x^4 - 5 x^3 + 9 x^2 - 5 x + 1)}$$

Sequence: A099451
Score: 6.2241
Type of gen. func.: ogf

$$(295 f(x) + 98) (f(x) x^4 - 5 f(x) x^3 + 9 f(x) x^2 - 5 f(x) x - x^2 + f(x) - 1)$$

Sequence: A099452
Score: 12.2039
Type of gen. func.: ogf

$$-\frac{(x-1)(x+1)(x^2+1)}{x^4-5x^3+9x^2-5x+1}$$

Sequence: A099452
Score: 6.05535
Type of gen. func.: ogf

$$-(12 f(x) - 11)(f(x) x^4 - 5 f(x) x^3 + x^4 + 9 f(x) x^2 - 5 f(x) x + f(x) - 1)$$

Sequence: A099452
Score: 9.58323
Type of gen. func.: lgdogf

$$-\frac{5x^6-18x^5+15x^4-8x^3+15x^2-18x+5}{(x-1)(x+1)(x^2+1)(x^4-5x^3+9x^2-5x+1)}$$

Sequence: A099453
Score: 15.8729
Type of gen. func.: revogf

$$-\frac{-1-7x+(5x^2+14x+1)^{1/2}}{22x}$$

Sequence: A099453
Score: 17.6371
Type of gen. func.: ogf

$$\frac{1}{11x^2-7x+1}$$

Sequence: A099453
Score: 23.4919
Type of gen. func.: lgdogf

$$-\frac{-7+22x}{11x^2-7x+1}$$

Sequence: A099453
Score: 7.13884
Type of gen. func.: ogf

$$(27 f(x) + 22) (11 f(x) x^2 - 7 f(x) x + f(x) - 1)$$

Sequence: A099453
Score: 7.22484
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) - 11 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A099454
Score: 4.50679
Type of gen. func.: ogf

$$(2663 f(x) + 242) (f(x) x^4 - 7 f(x) x^3 + 13 f(x) x^2 - 7 f(x) x - x^2 + f(x) - 1)$$

Sequence: A099454
Score: 8.50036
Type of gen. func.: lgdogf

$$-\frac{2x^5-7x^4+4x^3-14x^2+24x-7}{(x^2+1)(x^4-7x^3+13x^2-7x+1)}$$

Sequence: A099454
Score: 8.94529
Type of gen. func.: ogf

2

$$\frac{x + 1}{x^4 - 7 x^3 + 13 x^2 - 7 x + 1}$$

Sequence: A099455
Score: 4.40589
Type of gen. func.: ogf

$$-(696 f(x) - 605) (f(x) x^4 - 7 f(x) x^3 + x^4 + 13 f(x) x^2 - 7 f(x) x + f(x) - 1)$$

Sequence: A099455
Score: 6.64396
Type of gen. func.: lgdogf

$$- \frac{7 x^6 - 26 x^5 + 21 x^4 - 8 x^3 + 21 x^2 - 26 x + 7}{(x - 1) (x + 1) (x^2 + 1) (x^4 - 7 x^3 + 13 x^2 - 7 x + 1)}$$

Sequence: A099455
Score: 8.94529
Type of gen. func.: ogf

$$- \frac{(x - 1) (x + 1) (x^2 + 1)}{x^4 - 7 x^3 + 13 x^2 - 7 x + 1}$$

Sequence: A099456
Score: 18.2766
Type of gen. func.: ogf

$$\frac{1}{5 x^2 - 4 x + 1}$$

Sequence: A099456
Score: 25.4580
Type of gen. func.: lgdogf

$$2 (-2 + 5 x)$$

$$-\frac{}{5 x^{2} - 4 x + 1}$$

Sequence: A099456
Score: 7.35522
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 5 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A099456
Score: 7.44604
Type of gen. func.: ogf

$$(3 f(x) + 5) (5 f(x) x^{2} - 4 f(x) x + f(x) - 1)$$

Sequence: A099457
Score: 4.77255
Type of gen. func.: ogf

$$(13 f(x) + 25) (f(x) x^{4} - 4 f(x) x^{3} + 7 f(x) x^{2} - 4 f(x) x - x^{2} + f(x) - 1)$$

Sequence: A099457
Score: 9.32483
Type of gen. func.: ogf

$$\frac{x^{2} + 1}{x^{4} - 4 x^{3} + 7 x^{2} - 4 x + 1}$$

Sequence: A099457
Score: 9.84288
Type of gen. func.: lgdogf

$$-\frac{2 (x^{5} - 2 x^{4} + 2 x^{3} - 4 x^{2} + 6 x - 2)}{(x^{2} + 1) (x^{4} - 4 x^{3} + 7 x^{2} - 4 x + 1)}$$

Sequence: A099458
Score: 4.54971
Type of gen. func.: ogf

$$-(51 f(x) - 50) (f(x) x^4 - 4 f(x) x^3 + x^4 + 7 f(x) x^2 - 4 f(x) x + f(x) - 1)$$

Sequence: A099458
Score: 7.49625
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^6 - 7 x^5 + 6 x^4 - 4 x^3 + 6 x^2 - 7 x + 2)}{(x - 1) (x + 1) (x^2 + 1) (x^4 - 4 x^3 + 7 x^2 - 4 x + 1)}$$

Sequence: A099458
Score: 9.16942
Type of gen. func.: ogf

$$-\frac{(x - 1) (x + 1) (x^2 + 1)}{x^4 - 4 x^3 + 7 x^2 - 4 x + 1}$$

Sequence: A099459
Score: 13.1693
Type of gen. func.: revogf

$$-\frac{-1 - 7 x + (x + 1)^{1/2} (13 x + 1)^{1/2}}{18 x}$$

Sequence: A099459
Score: 17.5291
Type of gen. func.: ogf

$$\frac{1}{9 x^2 - 7 x + 1}$$

Sequence: A099459
Score: 23.5950
Type of gen. func.: lgdogf

$$-\frac{-7 + 18 x}{9 x^{2} - 7 x + 1}$$

Sequence: A099459
Score: 6.96939
Type of gen. func.: ogf

$$(31 f(x) + 18) (9 f(x) x^{2} - 7 f(x) x + f(x) - 1)$$

Sequence: A099459
Score: 7.05438
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) - 9 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A099460
Score: 4.346
Type of gen. func.: ogf

$$(2107 f(x) + 162) (f(x) x^{4} - 7 f(x) x^{3} + 11 f(x) x^{2} - 7 f(x) x - x^{2} + f(x) - 1)$$

Sequence: A099460
Score: 8.19334
Type of gen. func.: lgdogf

$$-\frac{2 x^{5} - 7 x^{4} + 4 x^{3} - 14 x^{2} + 20 x - 7}{(x^{2} + 1) (x^{4} - 7 x^{3} + 11 x^{2} - 7 x + 1)}$$

Sequence: A099460
Score: 8.62614
Type of gen. func.: ogf

2

$$\frac{x + 1}{x^4 - 7 x^3 + 11 x^2 - 7 x + 1}$$

Sequence: A099461
Score: 12.9660
Type of gen. func.: lgdogf

$$- \frac{7 x^6 - 22 x^5 + 21 x^4 - 8 x^3 + 21 x^2 - 22 x + 7}{(x - 1) (x + 1) (x^2 + 1) (x^4 - 7 x^3 + 11 x^2 - 7 x + 1)}$$

Sequence: A099461
Score: 17.2956
Type of gen. func.: ogf

$$- \frac{(x - 1) (x + 1) (x^2 + 1)}{x^4 - 7 x^3 + 11 x^2 - 7 x + 1}$$

Sequence: A099461
Score: 8.64783
Type of gen. func.: ogf

$$-(18 f(x) + 13) (f(x) x^4 - 7 f(x) x^3 + x^4 + 11 f(x) x^2 - 7 f(x) x + f(x) - 1)$$

Sequence: A099462
Score: 17.0024
Type of gen. func.: ogf

$$- \frac{x}{4 x^3 + 4 x^2 - 1}$$

Sequence: A099462
Score: 23.8011
Type of gen. func.: lgdogf

$$4 x (3 x + 2)$$

$$-\frac{\quad}{4 x^{3} + 4 x^{2} - 1}$$

Sequence: A099462
Score: 7.57717
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 1, a(2) = 0\}$$

Sequence: A099462
Score: 8.20117
Type of gen. func.: ogf

$$-(2 f(x) - 3) (4 f(x) x^{3} + 4 f(x) x^{2} - f(x) + x)$$

Sequence: A099463
Score: 11.1461
Type of gen. func.: ogf

$$\frac{x (x - 1)}{x^{3} + x^{2} + 3 x - 1}$$

Sequence: A099463
Score: 16.0399
Type of gen. func.: lgdogf

$$-\frac{2 (x^{3} - x^{2} - x - 1)}{(x - 1) (x^{3} + x^{2} + 3 x - 1)}$$

Sequence: A099463
Score: 5.72369
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A099463
Score: 7.47446
Type of gen. func.: ogf

$$f(x) x^3 + f(x) x^2 + 3 f(x) x - x^2 - f(x) + x$$

Sequence: A099464
Score: 16.8832
Type of gen. func.: lgdogf

$$-\frac{(x - 1) (3 x - 7)}{x^3 - 5 x^2 + 7 x - 1}$$

Sequence: A099464
Score: 18.6032
Type of gen. func.: ogf

$$-\frac{x}{x^3 - 5 x^2 + 7 x - 1}$$

Sequence: A099464
Score: 6.87146
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 5 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 7\}$$

Sequence: A099464
Score: 7.70437
Type of gen. func.: ogf

$$(7 f(x) + 1) (f(x) x^3 - 5 f(x) x^2 + 7 f(x) x - f(x) + x)$$

Sequence: A099465
Score: 3.57622
Type of gen. func.: ogf

$$-3 f(x) x^3 - 3 f(x) x^2 + f(x) - 1$$

Sequence: A099465
Score: 5.70262
Type of gen. func.: ogf

$$-\frac{1}{3 x^{3} + 3 x^{2} - 1}$$

Sequence: A099465
Score: 6.97676
Type of gen. func.: lgdogf

$$-\frac{3 x (3 x + 2)}{3 x^{3} + 3 x^{2} - 1}$$

Sequence: A099470
Score: 14.0659
Type of gen. func.: ogf

$$-\frac{1}{(x^{2} - x + 1)^{2}}$$

Sequence: A099470
Score: 20.8035
Type of gen. func.: ogf_with_Euler_transform]

$$2 x^{5} - 2 x^{2} - 2 x + 2$$

Sequence: A099470
Score: 4.59487
Type of gen. func.: ogf

$\{(n + 3) a(n + 3) + (-n - 4) a(n + 2) + (5 + n) a(n + 1), a(0) = -1, a(1) = -2,$

$a(2) = -1\}$

Sequence: A099470
Score: 40.2395
Type of gen. func.: lgdogf

$$-\frac{2(2x-1)}{x^2-x+1}$$

Sequence: A099470
Score: 6.09939
Type of gen. func.: ogf

$$-f(x)\,(f(x)\,x^4 - 2\,f(x)\,x^3 + 3\,f(x)\,x^2 - 2\,f(x)\,x + f(x) + 1)$$

Sequence: A099471
Score: 21.3698
Type of gen. func.: lgdogf

$$-\frac{(2x-1)(x^2-x+3)}{(x^2-x+1)(x^2-x+2)}$$

Sequence: A099471
Score: 4.9365
Type of gen. func.: ogf

$-(2\,f(x) + 1)$

$$(f(x)\,x^4 - 2\,f(x)\,x^3 + 3\,f(x)\,x^2 + x^3 - 2\,f(x)\,x - x^2 + f(x) + 2x - 1)$$

Sequence: A099471
Score: 9.03956
Type of gen. func.: ogf

$$-\frac{x^3-x^2+2x-1}{(x^2-x+1)^2}$$

Sequence: A099479

Score: 11.1587
Type of gen. func.: ogf

$$\frac{x (x^2 + 1)}{(x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A099479
Score: 13.1021
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^6 - x^5 + 4 x^4 - 2 x^3 + 2 x^2 + 1)}{(x - 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A099479
Score: 27.3029
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5 - x^3 + 2]$$

Sequence: A099480
Score: 15.1414
Type of gen. func.: ogf

$$\frac{1}{(x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A099480
Score: 17.4268
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^4 - 2 x^3 + 2 x^2 - x + 1)}{(x - 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A099480

Score: 31.7548
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5 - x + 2]$$

Sequence: A099483
Score: 14.0877
Type of gen. func.: ogf

$$\frac{x}{(x^2 + 1)\,(x^2 - 3\,x + 1)}$$

Sequence: A099483
Score: 16.5901
Type of gen. func.: lgdogf

$$-\frac{4\,x^3 - 9\,x^2 + 4\,x - 3}{(x^2 + 1)\,(x^2 - 3\,x + 1)}$$

Sequence: A099483
Score: 5.61216
Type of gen. func.: ogf

$$-(54\,f(x) + 31)\,(f(x)\,x^4 - 3\,f(x)\,x^3 + 2\,f(x)\,x^2 - 3\,f(x)\,x + f(x) - x)$$

Sequence: A099484
Score: 10.0531
Type of gen. func.: ogf

$$\frac{(x - 1)^2}{(x^2 + 1)\,(x^2 - 3\,x + 1)}$$

Sequence: A099484
Score: 13.6039
Type of gen. func.: lgdogf

$$-\frac{2x^4-7x^3+9x^2-x+1}{(x-1)(x^2+1)(x^2-3x+1)}$$

Sequence: A099484
Score: 5.10046
Type of gen. func.: ogf

$$-(503 f(x) + 26)$$

$$(f(x) x^4 - 3 f(x) x^3 + 2 f(x) x^2 - 3 f(x) x - x^2 + f(x) + 2 x - 1)$$

Sequence: A099485
Score: 10.7067
Type of gen. func.: lgdogf

$$-\frac{2(x^5-3x^4+5x^3-4x^2+x-1)}{(x^2-3x+1)(x^2-x+1)(x^2+1)}$$

Sequence: A099485
Score: 4.9003
Type of gen. func.: ogf

$$-(127 f(x) + 28)$$

$$(f(x) x^4 - 3 f(x) x^3 + 2 f(x) x^2 - 3 f(x) x - x^2 + f(x) + x - 1)$$

Sequence: A099485
Score: 9.65855
Type of gen. func.: ogf

$$\frac{x^2-x+1}{(x^2+1)(x^2-3x+1)}$$

Sequence: A099486
Score: 13.1383

Type of gen. func.: ogf

$$\frac{x}{(x^2 + 1)(x^2 - 4 x + 1)}$$

Sequence: A099486
Score: 16.2595
Type of gen. func.: lgdogf

$$-\frac{4 (x^3 - 3 x^2 + x - 1)}{(x^2 + 1)(x^2 - 4 x + 1)}$$

Sequence: A099486
Score: 5.36479
Type of gen. func.: ogf

$$(182 f(x) + 11) (f(x) x^4 - 4 f(x) x^3 + 2 f(x) x^2 - 4 f(x) x + f(x) - x)$$

Sequence: A099487
Score: 4.75731
Type of gen. func.: ogf

$$-(1310 f(x) - 9)$$

$$(f(x) x^4 - 4 f(x) x^3 + 2 f(x) x^2 - 4 f(x) x - x^2 + f(x) + 3 x - 1)$$

Sequence: A099487
Score: 9.32528
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 13 x^4 + 28 x^3 - 14 x^2 + 2 x - 1}{(x^2 + 1)(x^2 - 4 x + 1)(x^2 - 3 x + 1)}$$

Sequence: A099487
Score: 9.37674
Type of gen. func.: ogf

$$\frac{x^2 - 3 x + 1}{(x^2 + 1) (x^2 - 4 x + 1)}$$

Sequence: A099488
Score: 13.6132
Type of gen. func.: lgdogf

$$- \frac{2 (x^4 - 4 x^3 + 6 x^2 + 1)}{(x - 1) (x^2 + 1) (x^2 - 4 x + 1)}$$

Sequence: A099488
Score: 4.89932
Type of gen. func.: ogf

$$-(208 f(x) + 11)$$

$$(f(x) x^4 - 4 f(x) x^3 + 2 f(x) x^2 - 4 f(x) x - x^2 + f(x) + 2 x - 1)$$

Sequence: A099488
Score: 9.65664
Type of gen. func.: ogf

$$\frac{(x - 1)^2}{(x^2 + 1) (x^2 - 4 x + 1)}$$

Sequence: A099489
Score: 10.5204
Type of gen. func.: lgdogf

$$- \frac{(x^2 - 2 x + 3) (2 x^3 - 3 x^2 - 1)}{(x^2 + 1) (x^2 - x + 1) (x^2 - 4 x + 1)}$$

Sequence: A099489
Score: 4.71893
Type of gen. func.: ogf

$(730 f(x) + 81)$

$$(f(x) x^4 - 4 f(x) x^3 + 2 f(x) x^2 - 4 f(x) x - x^2 + f(x) + x - 1)$$

Sequence: A099489
Score: 9.02751
Type of gen. func.: ogf

$$\frac{x^2 - x + 1}{(x^2 + 1) (x^2 - 4 x + 1)}$$

Sequence: A099491
Score: 11.6531
Type of gen. func.: ogf

$$\frac{(x^2 + 1)^2}{x^6 + 2 x^4 - x^3 + 2 x^2 + 1}$$

Sequence: A099491
Score: 16.4105
Type of gen. func.: lgdogf

$$- \frac{x^2 (2 x^5 + 6 x^3 + x^2 + 4 x - 3)}{(x^2 + 1) (x^6 + 2 x^4 - x^3 + 2 x^2 + 1)}$$

Sequence: A099492
Score: 11.1068
Type of gen. func.: ogf

$$\frac{(x^2 + 1)^2}{x^6 + 2 x^4 - 2 x^3 + 2 x^2 + 1}$$

Sequence: A099492
Score: 14.9537
Type of gen. func.: lgdogf

$$-\frac{2 x^{2} (x^{5} + 3 x^{3} + x^{2} + 2 x - 3)}{(x^{2} + 1) (x^{6} + 2 x^{4} - 2 x^{3} + 2 x^{2} + 1)}$$

Sequence: A099493
Score: 10.8668
Type of gen. func.: ogf

$$\frac{(x^{2} + 1)^{2}}{x^{6} + x^{4} - 2 x^{3} + x^{2} + 1}$$

Sequence: A099493
Score: 14.9931
Type of gen. func.: lgdogf

$$-\frac{2 x (x^{6} + 3 x^{4} + x^{3} + x^{2} - 3 x - 1)}{(x^{2} + 1) (x^{6} + x^{4} - 2 x^{3} + x^{2} + 1)}$$

Sequence: A099494
Score: 13.0741
Type of gen. func.: lgdogf

$$-\frac{x (2 x^{6} + 6 x^{4} + x^{3} + 2 x^{2} - 3 x - 2)}{(x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x^{2} + 1)}$$

Sequence: A099494
Score: 14.7488
Type of gen. func.: ogf_with_Euler_transform]

$$x^{9} - x^{4} - 2 x^{3} + x^{2} + x$$

Sequence: A099494
Score: 8.64183
Type of gen. func.: ogf

$$\frac{(x^2 + 1)^2}{(x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A099495
Score: 7.71030
Type of gen. func.: lgdogf

$$- \frac{4 x^7 - 11 x^6 + 16 x^5 - 16 x^4 + 10 x^3 - 8 x^2 - 1}{(x^2 + x + 1) (x^2 - x + 1) (x^4 - 3 x^3 + 3 x^2 - 3 x + 1)}$$

Sequence: A099495
Score: 7.82712
Type of gen. func.: ogf

$$\frac{x (x^2 - x + 1)}{(x^2 + x + 1) (x^4 - 3 x^3 + 3 x^2 - 3 x + 1)}$$

Sequence: A099496
Score: 17.0816
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 + 3 x + 1}$$

Sequence: A099496
Score: 20.6688
Type of gen. func.: revogf

$$- \frac{-1 + 3 x + (5 x^2 - 2 x + 1)^{1/2}}{}$$

$$2 (x - 1)$$

Sequence: A099496

Score: 26.8695

Type of gen. func.: lgdogf

$$-\frac{x^2 + 2 x + 2}{(x + 1) (x^2 + 3 x + 1)}$$

Sequence: A099496

Score: 8.93803

Type of gen. func.: ogf

$$(21 f(x) - 5) (f(x) x^2 + 3 f(x) x + f(x) - x - 1)$$

Sequence: A099496

Score: 9.37404

Type of gen. func.: ogf

$$\{-a(n + 2) - 3 a(n + 1) - a(n), a(0) = 1, a(1) = -2\}$$

Sequence: A099503

Score: 19.5498

Type of gen. func.: ogf

$$\frac{1}{x^3 - 4 x + 1}$$

Sequence: A099503

Score: 27.4970

Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 4}{x^3 - 4 x + 1}$$

Sequence: A099503
Score: 6.79099
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - a(n), a(0) = 1, a(1) = 4, a(2) = 16\}$$

Sequence: A099503
Score: 7.58994
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^3 - 4 f(x) x + f(x) - 1)$$

Sequence: A099504
Score: 18.4526
Type of gen. func.: ogf

$$\frac{1}{x^3 - 5 x + 1}$$

Sequence: A099504
Score: 25.9379
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 5}{x^3 - 5 x + 1}$$

Sequence: A099504
Score: 6.40984
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - a(n), a(0) = 1, a(1) = 5, a(2) = 25\}$$

Sequence: A099504
Score: 7.16395
Type of gen. func.: ogf

3

$$-(f(x) - 1) (f(x) x - 5 f(x) x + f(x) - 1)$$

Sequence: A099505
Score: 14.5111
Type of gen. func.: ogf

$$\frac{x}{x^6 - x^4 + 2 x^3 - x^2 - x + 1}$$

Sequence: A099505
Score: 18.8967
Type of gen. func.: lgdogf

$$-\frac{6 x^5 - 4 x^3 + 6 x^2 - 2 x - 1}{x^6 - x^4 + 2 x^3 - x^2 - x + 1}$$

Sequence: A099508
Score: 13.3688
Type of gen. func.: ogf

$$\frac{x}{(x - 1) (x^2 + x - 1) (x^3 + x + 1)}$$

Sequence: A099508
Score: 14.1704
Type of gen. func.: lgdogf

$$-\frac{6 x^5 - 4 x^3 + 6 x^2 - 4 x - 1}{(x - 1) (x^2 + x - 1) (x^3 + x + 1)}$$

Sequence: A099511
Score: 12.2798
Type of gen. func.: lgdogf

$$2 x^5 - 5 x^4 + 9 x^2 + 3$$

$$-\frac{}{(x^2 + x + 1)(x^2 - 3x + 1)(x^2 - x - 1)}$$

Sequence: A099511
Score: 4.97381
Type of gen. func.: ogf

$$-(988 f(x) - 59)(f(x) x^4 - 2 f(x) x^3 - f(x) x^2 - 2 f(x) x + x^2 + f(x) - x - 1)$$

Sequence: A099511
Score: 9.80343
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{(x^2 + x + 1)(x^2 - 3x + 1)}$$

Sequence: A099513
Score: 4.59831
Type of gen. func.: ogf

$$-(236127 f(x) - 5044)$$
$$(f(x) x^4 - 7 f(x) x^3 - f(x) x^2 - 2 f(x) x + x^2 + f(x) - 2x - 1)$$

Sequence: A099513
Score: 9.39655
Type of gen. func.: ogf

$$-\frac{x^2 - 2x - 1}{x^4 - 7x^3 - x^2 - 2x + 1}$$

Sequence: A099513
Score: 9.77430
Type of gen. func.: lgdogf

$$2x^5 - 13x^4 + 24x^3 + 25x^2 + 4$$

$$-\frac{}{(x^2 - 2 x - 1) (x^4 - 7 x^3 - x^2 - 2 x + 1)}$$

Sequence: A099515
Score: 10.5681
Type of gen. func.: ogf

$$-\frac{2 x^2 - 1}{4 x^4 + 3 x^3 - 3 x^2 - 2 x + 1}$$

Sequence: A099515
Score: 5.16487
Type of gen. func.: ogf

$-(333 f(x) + 560)$

$$(4 f(x) x^4 + 3 f(x) x^3 - 3 f(x) x^2 - 2 f(x) x + 2 x^2 + f(x) - 1)$$

Sequence: A099515
Score: 9.62086
Type of gen. func.: lgdogf

$$-\frac{16 x^5 + 6 x^4 - 16 x^3 - 5 x^2 + 2 x + 2}{(2 x^2 - 1) (4 x^4 + 3 x^3 - 3 x^2 - 2 x + 1)}$$

Sequence: A099516
Score: 11.0338
Type of gen. func.: lgdogf

$$-\frac{2 (x - 1) (3 x^4 + 3 x^3 - x^2 + 2 x + 1)}{x^6 - 2 x^4 + 2 x^3 - x^2 - 2 x + 1}$$

Sequence: A099516
Score: 11.9888
Type of gen. func.: ogf

$$\frac{x}{x^{6} - 2 x^{4} + 2 x^{3} - x^{2} - 2 x + 1}$$

Sequence: A099517
Score: 10.9128
Type of gen. func.: ogf

$$\frac{x^{3} - x + 1}{(x - 1) (x + 1) (x^{2} - x + 1) (x^{2} + x - 1)}$$

Sequence: A099517
Score: 8.89676
Type of gen. func.: lgdogf

$$- \frac{3 x^{8} - 7 x^{6} + 6 x^{5} + 6 x^{4} - 8 x^{3} + 3 x^{2} - 1}{(x - 1) (x + 1) (x^{2} - x + 1) (x^{2} + x - 1) (x^{3} - x + 1)}$$

Sequence: A099524
Score: 18.6399
Type of gen. func.: ogf

$$- \frac{1}{x^{3} + 5 x - 1}$$

Sequence: A099524
Score: 26.2066
Type of gen. func.: lgdogf

$$- \frac{3 x^{2} + 5}{x^{3} + 5 x - 1}$$

Sequence: A099524
Score: 6.47492

Type of gen. func.: ogf

$$\{-a(n+3)+5\,a(n+2)+a(n),\ a(0)=1,\ a(1)=5,\ a(2)=25\}$$

Sequence: A099524
Score: 7.59404
Type of gen. func.: ogf

$$(f(x)-1)\,(f(x)\,x^{3}+5\,f(x)\,x-f(x)+1)$$

Sequence: A099525
Score: 23.5711
Type of gen. func.: ogf

$$-\frac{1}{3\,x^{3}+2\,x-1}$$

Sequence: A099525
Score: 26.8037
Type of gen. func.: lgdogf

$$-\frac{9\,x^{2}+2}{3\,x^{3}+2\,x-1}$$

Sequence: A099525
Score: 7.27194
Type of gen. func.: ogf

$$\{-a(n+3)+2\,a(n+2)+3\,a(n),\ a(0)=1,\ a(1)=2,\ a(2)=4\}$$

Sequence: A099525
Score: 8.43903
Type of gen. func.: ogf

$$(f(x)-1)\,(3\,f(x)\,x^{3}+2\,f(x)\,x-f(x)+1)$$

Sequence: A099526
Score: 12.3451
Type of gen. func.: lgdogf

$$-a(n + 4) + 2 a(n + 3) + 3 a(n), a(0) = 2, a(1) = 4, a(2) = 8, a(3) = 28$$

Sequence: A099526
Score: 20.6133
Type of gen. func.: ogf

$$- \frac{1}{(x + 1) (3 x^3 - 3 x^2 + 3 x - 1)}$$

Sequence: A099526
Score: 8.39802
Type of gen. func.: ogf

$$(f(x) - 1) (3 f(x) x^4 + 2 f(x) x - f(x) + 1)$$

Sequence: A099528
Score: 4.76708
Type of gen. func.: ogf

$$(5309 f(x) - 290)$$

$$(f(x) x^4 - 5 f(x) x^3 + 2 f(x) x^2 - 4 f(x) x + x^2 + f(x) - x - 1)$$

Sequence: A099528
Score: 9.25780
Type of gen. func.: ogf

$$- \frac{x^2 - x - 1}{x^4 - 5 x^3 + 2 x^2 - 4 x + 1}$$

Sequence: A099528
Score: 9.34442
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 8 x^4 + 6 x^3 + 17 x^2 - 6 x + 5}{(x^2 - x - 1) (x^4 - 5 x^3 + 2 x^2 - 4 x + 1)}$$

Sequence: A099529
Score: 14.3673
Type of gen. func.: ogf

$$\frac{(x + 1)^2}{x^3 + x^2 + 2 x + 1}$$

Sequence: A099529
Score: 29.3604
Type of gen. func.: lgdogf

$$-\frac{x^2 (x + 3)}{(x + 1) (x^3 + x^2 + 2 x + 1)}$$

Sequence: A099529
Score: 7.96730
Type of gen. func.: ogf

$$\{-a(n + 3) - 2 a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$$

Sequence: A099529
Score: 9.84722
Type of gen. func.: ogf

$$f(x) x^3 + f(x) x^2 + 2 f(x) x - x^2 + f(x) - 2 x - 1$$

Sequence: A099530
Score: 10.8209
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x - f(x) x + f(x) - 1)$$

Sequence: A099530
Score: 21.0539
Type of gen. func.: lgdogf

$$a(n + 4) - a(n + 3) + a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = -3$$

Sequence: A099530
Score: 31.7164
Type of gen. func.: ogf

$$\frac{1}{x^4 - x + 1}$$

Sequence: A099531
Score: 10.8247
Type of gen. func.: ogf

$$\frac{(x + 1)^3}{x^4 + x^3 + 3 x^2 + 3 x + 1}$$

Sequence: A099531
Score: 23.9014
Type of gen. func.: lgdogf

$$- \frac{x^3 (4 + x)}{(x + 1) (x^4 + x^3 + 3 x^2 + 3 x + 1)}$$

Sequence: A099531
Score: 7.24783
Type of gen. func.: ogf

$$f(x) x^4 + f(x) x^3 + 3 f(x) x^2 - x^3 + 3 f(x) x - 3 x^2 + f(x) - 3 x - 1$$

Sequence: A099558
Score: 12.2761
Type of gen. func.: ogf

$$-\frac{x^2 - x + 1}{x^5 - x^2 + 2 x - 1}$$

Sequence: A099558
Score: 14.1171
Type of gen. func.: lgdogf

$$-\frac{3 x^6 - 4 x^5 + 5 x^4 - x^2 + 1}{(x^2 - x + 1) (x^5 - x^2 + 2 x - 1)}$$

Sequence: A099559
Score: 15.9396
Type of gen. func.: lgdogf

$$-\frac{6 x^5 - 5 x^4 + 2 x - 2}{(x - 1) (x^2 - x + 1) (x^3 + x^2 - 1)}$$

Sequence: A099559
Score: 16.1740
Type of gen. func.: ogf

$$\frac{x}{(x - 1) (x^2 - x + 1) (x^3 + x^2 - 1)}$$

Sequence: A099560
Score: 14.4228
Type of gen. func.: ogf

$$\frac{x^3}{(x - 1) (x^2 + x + 1) (x^3 + x - 1)}$$

Sequence: A099560
Score: 15.5229
Type of gen. func.: lgdogf

$$-\frac{6x^5+4x^3-6x^2-1}{(x-1)(x^2+x+1)(x^3+x-1)}$$

Sequence: A099561
Score: 14.6813
Type of gen. func.: lgdogf

$$-\frac{8x^7+5x^4-8x^3-1}{(x-1)(x+1)(x^2+1)(x^4+x-1)}$$

Sequence: A099561
Score: 14.6813
Type of gen. func.: ogf

$$\frac{x^4}{(x-1)(x+1)(x^2+1)(x^4+x-1)}$$

Sequence: A099562
Score: 11.0202
Type of gen. func.: lgdogf

$$-\frac{10x^9+6x^5-10x^4-1}{(x-1)(x^2-x+1)(x^3+x^2-1)(x^4+x^3+x^2+x+1)}$$

Sequence: A099562
Score: 14.4167
Type of gen. func.: ogf

$$5$$

$$\frac{x}{(x - 1) (x^2 - x + 1) (x^3 + x^2 - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A099563
Score: 6.74308
Type of gen. func.: ogf

$$x (3 x^{47} - x^{41} - x^{35} + x^{29} - x^{27} - x^{24} - 2 x^{23} + x^{17} + x^{11} - x^5 + x^3 + 1) / ((x + 1) (x^2 + 1) (x^4 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x^8 - x^4 + 1) (x - 1)^2)$$

Sequence: A099568
Score: 11.5903
Type of gen. func.: ogf

$$- \frac{x - 1}{(2 x - 1) (x^3 + x - 1)}$$

Sequence: A099568
Score: 13.5911
Type of gen. func.: lgdogf

$$- \frac{6 x^4 - 10 x^3 + 5 x^2 - 4 x + 2}{(x - 1) (2 x - 1) (x^3 + x - 1)}$$

Sequence: A099568
Score: 4.97895
Type of gen. func.: ogf

$\{-a(n + 4) + 3 a(n + 3) - 2 a(n + 2) + a(n + 1) - 2 a(n), a(0) = 1, a(1) = 2,$

$a(2) = 4, a(3) = 9\}$

Sequence: A099568

Score: 5.56701
Type of gen. func.: ogf

$$-(21 f(x) + 52) (2 f(x) x^4 - f(x) x^3 + 2 f(x) x^2 - 3 f(x) x + f(x) + x - 1)$$

Sequence: A099570
Score: 11.8958
Type of gen. func.: ogf

$$f(x) x^2 + x^3 + 2 f(x) x - x^2 + f(x) - 2 x - 1$$

Sequence: A099570
Score: 15.4060
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 - 2 x - 1}{(x + 1)^2}$$

Sequence: A099570
Score: 35.2046
Type of gen. func.: lgdogf

$$\frac{x^2 (x + 3)}{(x + 1) (x^3 - x^2 - 2 x - 1)}$$

Sequence: A099570
Score: 8.39079
Type of gen. func.: ogf

$\{a(n + 4) + 2 a(n + 3) + a(n + 2), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = -1\}$

Sequence: A099571
Score: 16.6675
Type of gen. func.: lgdogf

$$8 x^3 + 7 x^2 - 8 x - 1$$

$$- \frac{}{(x - 1) (x + 1) (x^2 + x - 1)}$$

Sequence: A099571
Score: 9.02516
Type of gen. func.: ogf

$$\frac{1}{(x^2 + x - 1) (x - 1)^3 (x + 1)^3}$$

Sequence: A099572
Score: 16.4842
Type of gen. func.: lgdogf

$$- \frac{10 x^3 + 9 x^2 - 10 x - 1}{(x - 1) (x + 1) (x^2 + x - 1)}$$

Sequence: A099572
Score: 7.56123
Type of gen. func.: ogf

$$- \frac{1}{(x^2 + x - 1) (x - 1)^4 (x + 1)^4}$$

Sequence: A099574
Score: 7.44792
Type of gen. func.: lgdogf

$$- \frac{4 x^{11} + 2 x^9 + x^8 - 8 x^7 - x^6 - 4 x^5 - 2 x^4 + 4 x^3 - 3 x^2 + 2 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^4 + x^2 - 1) (x^2 + x - 1)}$$

Sequence: A099574
Score: 8.62118
Type of gen. func.: ogf

$$-\frac{(x - 1) (x + 1) (x^2 + 1)}{(x^4 + x^2 - 1) (x^4 + x - 1)}$$

Sequence: A099576
Score: 6.22348
Type of gen. func.: ogf

$$-27 f(x)^3 x^4 + 4 f(x)^3 x^2 - 54 f(x)^2 x^2 + 8 f(x)^2 - 18 f(x) x - 7 f(x) - 1$$

Sequence: A099578
Score: 13.3481
Type of gen. func.: revogf

$$\frac{(-3 + ((12 x^2 + 4 x + 1) (5 + 6 x)^2)^{1/2}) x}{2 (3 x + 1)^3}$$

Sequence: A099578
Score: 6.49598
Type of gen. func.: ogf

$$-27 f(x)^3 x^3 + 4 f(x)^3 x - 27 f(x)^2 x^2 + 4 f(x)^2 - 9 f(x) x - 3 f(x) - 1$$

Sequence: A099579
Score: 12.9585
Type of gen. func.: ogf

$$\frac{x^2}{(3 x^2 - 1) (3 x^2 + x - 1)}$$

Sequence: A099579
Score: 15.1096
Type of gen. func.: lgdogf

$$36 x^3 + 9 x^2 - 12 x - 1$$

$$-\frac{}{(3 x^2 - 1) (3 x^2 + x - 1)}$$

Sequence: A099579
Score: 5.49438
Type of gen. func.: ogf

$$-(6 f(x) + 1) (9 f(x) x^4 + 3 f(x) x^3 - 6 f(x) x^2 - f(x) x - x^2 + f(x))$$

Sequence: A099580
Score: 12.9749
Type of gen. func.: ogf

$$\frac{x^2}{(2 x - 1) (1 + 2 x) (4 x^2 + x - 1)}$$

Sequence: A099580
Score: 13.3432
Type of gen. func.: lgdogf

$$-\frac{64 x^3 + 12 x^2 - 16 x - 1}{(1 + 2 x) (2 x - 1) (4 x^2 + x - 1)}$$

Sequence: A099580
Score: 5.56069
Type of gen. func.: ogf

$$-(8 f(x) + 1) (16 f(x) x^4 + 4 f(x) x^3 - 8 f(x) x^2 - f(x) x - x^2 + f(x))$$

Sequence: A099581
Score: 13.4313
Type of gen. func.: ogf

$$\frac{x^2}{\quad{}^2 \qquad {}^2}$$

$$(3 x - 1) (3 x + 3 x - 1)$$

Sequence: A099581
Score: 13.8643
Type of gen. func.: lgdogf

$$- \frac{3 (x + 1) (12 x^2 - 3 x - 1)}{(3 x^2 - 1) (3 x^2 + 3 x - 1)}$$

Sequence: A099581
Score: 5.26508
Type of gen. func.: ogf

$$-(6 f(x) + 1) (9 f(x) x^4 + 9 f(x) x^3 - 6 f(x) x^2 - 3 f(x) x - x^2 + f(x))$$

Sequence: A099582
Score: 11.2676
Type of gen. func.: lgdogf

$$- \frac{4 (16 x^3 + 12 x^2 - 4 x - 1)}{(1 + 2 x) (2 x - 1) (4 x^2 + 4 x - 1)}$$

Sequence: A099582
Score: 12.2760
Type of gen. func.: ogf

$$\frac{x^2}{(2 x - 1) (1 + 2 x) (4 x^2 + 4 x - 1)}$$

Sequence: A099582
Score: 4.89122
Type of gen. func.: ogf

$$-(14 f(x) + 1) (16 f(x) x^4 + 16 f(x) x^3 - 8 f(x) x^2 - 4 f(x) x - x^2 + f(x))$$

Sequence: A099583
Score: 13.6688
Type of gen. func.: ogf

$$\frac{x^2}{(x+1)(3x-1)(3x^2-1)}$$

Sequence: A099583
Score: 13.8147
Type of gen. func.: lgdogf

$$-\frac{2(18x^3+9x^2-6x-1)}{(3x-1)(x+1)(3x^2-1)}$$

Sequence: A099583
Score: 5.35818
Type of gen. func.: ogf

$$-(6f(x)+1)(9f(x)x^4+6f(x)x^3-6f(x)x^2-2f(x)x-x^2+f(x))$$

Sequence: A099586
Score: 5.37684
Type of gen. func.: ogf

$$(4f(x)-1)(2f(x)x^4-4f(x)x^3+6f(x)x^2+2x^3-4f(x)x-3x^2+f(x)+3x-1)$$

Sequence: A099586
Score: 8.03682
Type of gen. func.: lgdogf

```
               6       5       4       3       2
            4 x  - 12 x  + 18 x  - 16 x  + 12 x  - 6 x + 1
        - -----------------------------------------------------
                       2              4      3      2
```

$$(2 x - 1) (x - x + 1) (2 x - 4 x + 6 x - 4 x + 1)$$

Sequence: A099586
Score: 9.56660
Type of gen. func.: ogf

$$-\frac{(2 x - 1) (x^2 - x + 1)}{2 x^4 - 4 x^3 + 6 x^2 - 4 x + 1}$$

Sequence: A099587
Score: 11.2844
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^4 - 6 x^3 + 6 x^2 - 4 x + 1)}{(x - 1) (2 x^4 - 4 x^3 + 6 x^2 - 4 x + 1)}$$

Sequence: A099587
Score: 4.51353
Type of gen. func.: ogf

$\{-a(n + 4) + 4 a(n + 3) - 6 a(n + 2) + 4 a(n + 1) - 2 a(n), a(0) = 0, a(1) = 1,$

$a(2) = 2, a(3) = 3\}$

Sequence: A099587
Score: 4.64531
Type of gen. func.: ogf

$-(4 f(x) + 3)$

$(2 f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x + 2 x^2 + f(x) - x)$

Sequence: A099587
Score: 8.71792
Type of gen. func.: ogf

$$\frac{x (x - 1)^2}{}$$

$$2x^4 - 4x^3 + 6x^2 - 4x + 1$$

Sequence: A099588
Score: 11.0994
Type of gen. func.: lgdogf

$$-\frac{6x^4 - 16x^3 + 18x^2 - 12x + 3}{(x-1)(2x^4 - 4x^3 + 6x^2 - 4x + 1)}$$

Sequence: A099588
Score: 12.4032
Type of gen. func.: ogf

$$-\frac{x^2 (x-1)}{2x^4 - 4x^3 + 6x^2 - 4x + 1}$$

Sequence: A099588
Score: 7.99832
Type of gen. func.: ogf

$$2 f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + x^3 - 4 f(x) x - x^2 + f(x)$$

Sequence: A099589
Score: 15.2185
Type of gen. func.: ogf

$$\frac{x^3}{2x^4 - 4x^3 + 6x^2 - 4x + 1}$$

Sequence: A099589
Score: 15.3035
Type of gen. func.: lgdogf

$$4 (2x - 1)(x^2 - x + 1)$$

$$-\frac{}{2 x^{4} - 4 x^{3} + 6 x^{2} - 4 x + 1}$$

Sequence: A099589
Score: 7.53238
Type of gen. func.: ogf

$$-2 f(x) x^{4} + 4 f(x) x^{3} - 6 f(x) x^{2} + x^{3} + 4 f(x) x - f(x)$$

Sequence: A099590
Score: 7.56697
Type of gen. func.: ogf

$$\frac{x (x + 2) (x^{2} - 2 x + 2)}{(2 x - 1)^{2} (x^{2} + 1)}$$

Sequence: A099590
Score: 9.75527
Type of gen. func.: lgdogf

$$-\frac{6 x^{5} - x^{4} - 22 x^{3} + 57 x^{2} - 20 x + 14}{(2 x - 1) (x + 2) (x^{2} + 1) (x^{2} - 2 x + 2)}$$

Sequence: A099592
Score: 7.30518
Type of gen. func.: ogf

$$\frac{6 (2 x^{19} + 3 x^{10} + x^{7} + 2 x^{6} + 2 x^{5} + 5 x^{4} + 15 x^{3} + 20 x^{2} + 155 x - 210)}{x - 1}$$

Sequence: A099603
Score: 10.4129
Type of gen. func.: lgdogf

$$2 (8 x^{5} - 12 x^{4} - 8 x^{3} + 6 x^{2} + 4 x + 1)$$

$$- \frac{}{(2 x^2 - 2 x - 1) (4 x^4 - 6 x^2 + 1)}$$

Sequence: A099603
Score: 12.1131
Type of gen. func.: ogf

$$- \frac{2 x^2 - 2 x - 1}{4 x^4 - 6 x^2 + 1}$$

Sequence: A099603
Score: 7.34514
Type of gen. func.: ogf

$$(13 f(x) + 7) (4 f(x) x^4 - 6 f(x) x^2 + 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A099604
Score: 8.05062
Type of gen. func.: lgdogf

$$- \frac{3 x^8 + 4 x^7 - 5 x^6 - 14 x^5 - 8 x^4 + 6 x^3 + 8 x^2 + 4 x + 1}{(x^3 - x - 1) (x^6 + 2 x^5 - 3 x^3 - 2 x^2 + 1)}$$

Sequence: A099604
Score: 9.78938
Type of gen. func.: ogf

$$- \frac{x^3 - x - 1}{x^6 + 2 x^5 - 3 x^3 - 2 x^2 + 1}$$

Sequence: A099606
Score: 11.2661
Type of gen. func.: ogf

2

$$-\frac{2 x - 4 x - 1}{(2 x^2 + 4 x + 1) (2 x^2 - 4 x + 1)}$$

Sequence: A099606
Score: 6.46962
Type of gen. func.: ogf

$$-(338 f(x) + 83) (4 f(x) x^4 - 12 f(x) x^2 + 2 x^2 + f(x) - 4 x - 1)$$

Sequence: A099606
Score: 8.21227
Type of gen. func.: lgdogf

$$-\frac{4 (4 x^5 - 12 x^4 - 4 x^3 + 12 x^2 + 5 x + 1)}{(2 x^2 - 4 x - 1) (2 x^2 + 4 x + 1) (2 x^2 - 4 x + 1)}$$

Sequence: A099607
Score: 6.69933
Type of gen. func.: lgdogf

$$-\frac{3 x^8 - 19 x^6 - 16 x^5 + 16 x^4 + 36 x^3 + 19 x^2 + 6 x + 2}{(x^3 - x^2 - 2 x + 1) (x^3 - x^2 - 2 x - 1) (x^3 + 3 x^2 + 2 x + 1)}$$

Sequence: A099607
Score: 7.60493
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 - 2 x - 1}{(x^3 - x^2 - 2 x + 1) (x^3 + 3 x^2 + 2 x + 1)}$$

Sequence: A099621
Score: 13.8867
Type of gen. func.: ogf

$$\frac{x}{(-1 + 4 x) (3 x - 1) (x + 1)}$$

Sequence: A099621
Score: 15.3477
Type of gen. func.: lgdogf

$$- \frac{2 (18 x^2 + 5 x - 3)}{(-1 + 4 x) (3 x - 1) (x + 1)}$$

Sequence: A099621
Score: 5.70346
Type of gen. func.: ogf

$\{a(n + 3) - 6 a(n + 2) + 5 a(n + 1) + 12 a(n), a(0) = 0, a(1) = 1, a(2) = 6\}$

Sequence: A099621
Score: 5.91471
Type of gen. func.: ogf

$$-(989 f(x) + 120) (12 f(x) x^3 + 5 f(x) x^2 - 6 f(x) x + f(x) - x)$$

Sequence: A099622
Score: 12.6272
Type of gen. func.: ogf

$$\frac{x}{(-1 + 4 x) (5 x - 1) (x + 1)}$$

Sequence: A099622
Score: 13.9097
Type of gen. func.: lgdogf

$$- \frac{2 (30 x^2 + 11 x - 4)}{(-1 + 4 x) (5 x - 1) (x + 1)}$$

Sequence: A099622
Score: 5.25204
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 11 a(n + 1) + 20 a(n), a(0) = 0, a(1) = 1, a(2) = 8\}$$

Sequence: A099622
Score: 5.65219
Type of gen. func.: ogf

$$-(8 f(x) + 1) (20 f(x) x^3 + 11 f(x) x^2 - 8 f(x) x + f(x) - x)$$

Sequence: A099623
Score: 12.5120
Type of gen. func.: ogf

$$-\frac{x^2}{(x + 1) (3 x - 1) (2 x - 1)^2}$$

Sequence: A099623
Score: 18.0826
Type of gen. func.: lgdogf

$$-\frac{6 (4 x^2 + x - 1)}{(3 x - 1) (2 x - 1) (x + 1)}$$

Sequence: A099623
Score: 3.44718
Type of gen. func.: ogf

$$\{(-6 n - 18) a(n + 1) + (-n - 6) a(n + 2) + (10 + 4 n) a(n + 3)$$
$$+ (-2 - n) a(n + 4), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 6\}$$

Sequence: A099623
Score: 6.75647
Type of gen. func.: ogf

$$-12 f(x) x^4 + 4 f(x) x^3 + 9 f(x) x^2 - 6 f(x) x - x^2 + f(x)$$

Sequence: A099624
Score: 11.3832
Type of gen. func.: ogf

$$- \frac{x^2}{(x + 1) (-1 + 4 x) (3 x - 1)^2}$$

Sequence: A099624
Score: 15.4930
Type of gen. func.: lgdogf

$$- \frac{48 x^2 + 19 x - 9}{(-1 + 4 x) (3 x - 1) (x + 1)}$$

Sequence: A099624
Score: 4.89122
Type of gen. func.: ogf

$$-(23 f(x) - 1) (36 f(x) x^4 + 3 f(x) x^3 - 23 f(x) x^2 + 9 f(x) x + x^2 - f(x))$$

Sequence: A099625
Score: 12.2798
Type of gen. func.: ogf

$$- \frac{x^2}{(x^2 + 2 x - 1) (2 x - 1)^2}$$

Sequence: A099625
Score: 17.7417
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^2 + 5 x - 3)}{}$$

$$(2 x - 1) (x^2 + 2 x - 1)$$

Sequence: A099625
Score: 3.38320
Type of gen. func.: ogf

$$\{(2 n + 6) a(n + 1) + (3 n + 10) a(n + 2) + (-10 - 4 n) a(n + 3) + (n + 2) a(n + 4), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 6\}$$

Sequence: A099625
Score: 5.22133
Type of gen. func.: ogf

$$-(11 f(x) - 1) (4 f(x) x^4 + 4 f(x) x^3 - 11 f(x) x^2 + 6 f(x) x + x^2 - f(x))$$

Sequence: A099626
Score: 13.6008
Type of gen. func.: ogf

$$\frac{x}{x^4 + 2 x^3 - 3 x^2 - 2 x + 1}$$

Sequence: A099626
Score: 13.6759
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^3 + 3 x^2 - 3 x - 1)}{x^4 + 2 x^3 - 3 x^2 - 2 x + 1}$$

Sequence: A099626
Score: 5.46263
Type of gen. func.: ogf

$$-(71 f(x) - 9) (f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 - 2 f(x) x + f(x) - x)$$

Sequence: A099638
Score: 3.28694
Type of gen. func.: ogf

```
-(21995424693 f(x) + 1412265115)

                3               2
    (1000 f(x) x  - 1110 f(x) x  + 111 f(x) x - f(x) - 34 x + 1)
```

Sequence: A099638
Score: 3.57852
Type of gen. func.: ogf

```
{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 1, a(1) = 77,

    a(2) = 7437}
```

Sequence: A099638
Score: 6.46980
Type of gen. func.: lgdogf

```
                               3          2
                        68000 x  - 40740 x  + 2220 x - 77
                  - ------------------------------------------
                    (x - 1) (10 x - 1) (34 x - 1) (100 x - 1)
```

Sequence: A099638
Score: 7.15703
Type of gen. func.: ogf

```
                                    34 x - 1
                         ------------------------------
                         (x - 1) (100 x - 1) (10 x - 1)
```

Sequence: A099653
Score: 6.20742
Type of gen. func.: lgdogf

```
                7       6        5        4        3        2
    (x + 2) (9 x  + 62 x  + 191 x  + 338 x  + 369 x  + 246 x  + 90 x + 12)
   --------------------------------------------------------------------------
    9       8       7        6        5        4        3       2
   x  + 10 x  + 45 x  + 120 x  + 209 x  + 246 x  + 194 x  + 96 x  + 24 x + 5
```

Sequence: A099654
Score: 20.7589
Type of gen. func.: lgdogf

$$\frac{5 x^4 + 24 x^3 + 48 x^2 + 48 x + 21}{x^5 + 6 x^4 + 16 x^3 + 24 x^2 + 21 x + 5}$$

Sequence: A099654
Score: 7.11381
Type of gen. func.: ogf

$$-(103612 f(x) + 315619) (-x^5 - 6 x^4 - 16 x^3 - 24 x^2 + f(x) - 21 x - 5)$$

Sequence: A099669
Score: 15.8638
Type of gen. func.: ogf

$$- \frac{2}{(10 x - 1) (x - 1)^2}$$

Sequence: A099669
Score: 20.8996
Type of gen. func.: lgdogf

$$- \frac{6 (-2 + 5 x)}{(10 x - 1) (x - 1)}$$

Sequence: A099669
Score: 5.91530
Type of gen. func.: ogf

{a(n + 3) - 12 a(n + 2) + 21 a(n + 1) - 10 a(n), a(0) = 2, a(1) = 24,

a(2) = 246}

Sequence: A099669
Score: 6.28834
Type of gen. func.: ogf

$$(218107 f(x) - 72200) (10 f(x) x^3 - 21 f(x) x^2 + 12 f(x) x - f(x) + 2)$$

Sequence: A099670
Score: 12.6125
Type of gen. func.: ogf

$$- \frac{3}{(10 x - 1) (x - 1)^2}$$

Sequence: A099670
Score: 20.8996
Type of gen. func.: lgdogf

$$- \frac{6 (-2 + 5 x)}{(10 x - 1) (x - 1)}$$

Sequence: A099670
Score: 4.70297
Type of gen. func.: ogf

$$\{a(n + 3) - 12 a(n + 2) + 21 a(n + 1) - 10 a(n), a(0) = 3, a(1) = 36, a(2) = 369\}$$

Sequence: A099670
Score: 4.95492
Type of gen. func.: ogf

$$(218107 f(x) - 108300) (10 f(x) x^3 - 21 f(x) x^2 + 12 f(x) x - f(x) + 3)$$

Sequence: A099671
Score: 12.6125
Type of gen. func.: ogf

$$- \frac{4}{(10 x - 1) (x - 1)^2}$$

Sequence: A099671
Score: 20.8996
Type of gen. func.: lgdogf

$$-\frac{6 (-2 + 5 x)}{(10 x - 1) (x - 1)}$$

Sequence: A099671
Score: 4.70297
Type of gen. func.: ogf

{a(n + 3) - 12 a(n + 2) + 21 a(n + 1) - 10 a(n), a(0) = 4, a(1) = 48,

a(2) = 492}

Sequence: A099671
Score: 4.95492
Type of gen. func.: ogf

$$(218107 f(x) - 144400) (10 f(x) x^3 - 21 f(x) x^2 + 12 f(x) x - f(x) + 4)$$

Sequence: A099672
Score: 15.8638
Type of gen. func.: ogf

$$-\frac{5}{(10 x - 1) (x - 1)^2}$$

Sequence: A099672
Score: 20.8996
Type of gen. func.: lgdogf

$$-\frac{6 (-2 + 5 x)}{(10 x - 1) (x - 1)}$$

Sequence: A099672
Score: 5.91530
Type of gen. func.: ogf

{a(n + 3) - 12 a(n + 2) + 21 a(n + 1) - 10 a(n), a(0) = 5, a(1) = 60,

a(2) = 615}

Sequence: A099672
Score: 6.23219
Type of gen. func.: ogf

$$(218107 f(x) - 180500) (10 f(x) x^3 - 21 f(x) x^2 + 12 f(x) x - f(x) + 5)$$

Sequence: A099673
Score: 12.6125
Type of gen. func.: ogf

$$- \frac{6}{(10 x - 1) (x - 1)^2}$$

Sequence: A099673
Score: 20.8996
Type of gen. func.: lgdogf

$$- \frac{6 (-2 + 5 x)}{(10 x - 1) (x - 1)}$$

Sequence: A099673
Score: 4.70297
Type of gen. func.: ogf

{a(n + 3) - 12 a(n + 2) + 21 a(n + 1) - 10 a(n), a(0) = 6, a(1) = 72,

a(2) = 738}

Sequence: A099673
Score: 4.95492
Type of gen. func.: ogf

$$(218107 f(x) - 216600) (10 f(x) x^3 - 21 f(x) x^2 + 12 f(x) x - f(x) + 6)$$

Sequence: A099674
Score: 12.6125
Type of gen. func.: ogf

$$-\frac{7}{(10 x - 1) (x - 1)^{2}}$$

Sequence: A099674
Score: 20.8996
Type of gen. func.: lgdogf

$$-\frac{6 (-2 + 5 x)}{(10 x - 1) (x - 1)}$$

Sequence: A099674
Score: 4.70297
Type of gen. func.: ogf

$\{a(n + 3) - 12 a(n + 2) + 21 a(n + 1) - 10 a(n), a(0) = 7, a(1) = 84,$

$a(2) = 861\}$

Sequence: A099674
Score: 4.95492
Type of gen. func.: ogf

$$(218107 f(x) - 252700) (10 f(x) x^{3} - 21 f(x) x^{2} + 12 f(x) x - f(x) + 7)$$

Sequence: A099675
Score: 12.6125
Type of gen. func.: ogf

$$-\frac{8}{(10 x - 1) (x - 1)^{2}}$$

Sequence: A099675
Score: 20.8996

Type of gen. func.: lgdogf

$$-\frac{6\,(-2 + 5\,x)}{(10\,x - 1)\,(x - 1)}$$

Sequence: A099675
Score: 4.70297
Type of gen. func.: ogf

$$\{a(n + 3) - 12\,a(n + 2) + 21\,a(n + 1) - 10\,a(n),\ a(0) = 8,\ a(1) = 96,\ a(2) = 984\}$$

Sequence: A099675
Score: 4.95492
Type of gen. func.: ogf

$$(218107\,f(x) - 288800)\,(10\,f(x)\,x^{3} - 21\,f(x)\,x^{2} + 12\,f(x)\,x - f(x) + 8)$$

Sequence: A099676
Score: 15.3914
Type of gen. func.: ogf

$$-\frac{9}{(10\,x - 1)\,(x - 1)^{2}}$$

Sequence: A099676
Score: 25.5940
Type of gen. func.: lgdogf

$$-\frac{6\,(-2 + 5\,x)}{(10\,x - 1)\,(x - 1)}$$

Sequence: A099676
Score: 5.64351
Type of gen. func.: ogf

$$\{a(n + 3) - 12\,a(n + 2) + 21\,a(n + 1) - 10\,a(n),\ a(0) = 9,\ a(1) = 108,\ a(2) = 1107\}$$

Sequence: A099676
Score: 6.04662
Type of gen. func.: ogf

$$(218107 f(x) - 324900) (10 f(x) x^3 - 21 f(x) x^2 + 12 f(x) x - f(x) + 9)$$

Sequence: A099721
Score: 10.3885
Type of gen. func.: ogf

$$\frac{x (x^2 + 8 x + 3)}{(x - 1)^4}$$

Sequence: A099721
Score: 21.9814
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 + 13 x + 10)}{(x - 1) (x^2 + 8 x + 3)}$$

Sequence: A099721
Score: 3.81084
Type of gen. func.: ogf

$$\{(9 + 3 n) a(n + 4) + (-10 + 5 n) a(n + 3) + (-33 - 7 n) a(n + 2)$$

$$+ (-2 - n) a(n + 1), a(0) = 0, a(1) = 3, a(2) = 20, a(3) = 63\}$$

Sequence: A099721
Score: 5.26637
Type of gen. func.: ogf

$$(531144 f(x) + 2040421)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 8 x^2 + f(x) - 3 x)$$

Sequence: A099735
Score: 5.68456
Type of gen. func.: ogf

$$-\frac{5x^{23}+x^{22}-6x^{21}-2x^{20}-4x^{19}+x^{18}+5x^{17}-x^{2}+x+1}{(x^{2}+1)(x-1)^{3}(x+1)^{3}}$$

Sequence: A099743
Score: 10.0248
Type of gen. func.: ogf

$$-\frac{x^{2}(3x-2)}{(3x-1)(2x-1)^{3}}$$

Sequence: A099743
Score: 14.4850
Type of gen. func.: lgdogf

$$-\frac{3(18x^{2}-20x+5)}{(3x-1)(2x-1)(3x-2)}$$

Sequence: A099743
Score: 4.07790
Type of gen. func.: ogf

$$\{(-6n^{2}-66n-108)a(n+1)+(5n^{2}+49n+60)a(n+2)$$

$$+(-n^{2}-9n-8)a(n+3),\ a(0)=0,\ a(1)=0,\ a(2)=2\}$$

Sequence: A099743
Score: 5.26853
Type of gen. func.: ogf

$$-(75f(x)-8)$$

$$(24f(x)x^{4}-44f(x)x^{3}+30f(x)x^{2}+3x^{3}-9f(x)x-2x^{2}+f(x))$$

Sequence: A099745
Score: 5.25426
Type of gen. func.: ogf

$$-\frac{x^4 (81 x^3 - 137 x^2 + 72 x - 12)}{(2 x - 1)^4 (3 x - 1)^4}$$

Sequence: A099745
Score: 8.46048
Type of gen. func.: lgdogf

$$-\frac{(9 x - 4) (-2 + 5 x) (54 x^2 - 73 x + 21)}{(3 x - 1) (2 x - 1) (81 x^3 - 137 x^2 + 72 x - 12)}$$

Sequence: A099754
Score: 10.8975
Type of gen. func.: ogf

$$-\frac{7 x^2 - 8 x + 2}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A099754
Score: 5.72582
Type of gen. func.: ogf

$$-(11 f(x) + 41) (6 f(x) x^3 - 11 f(x) x^2 + 6 f(x) x + 7 x^2 - f(x) - 8 x + 2)$$

Sequence: A099754
Score: 5.97918
Type of gen. func.: ogf

{-a(n + 3) + 6 a(n + 2) - 11 a(n + 1) + 6 a(n), a(0) = 2, a(1) = 4, a(2) = 9}

Sequence: A099754
Score: 9.74212
Type of gen. func.: lgdogf

$$-\frac{2\,(21\,x^4-48\,x^3+41\,x^2-15\,x+2)}{(x-1)\,(3\,x-1)\,(2\,x-1)\,(7\,x^2-8\,x+2)}$$

Sequence: A099760
Score: 3.00643
Type of gen. func.: ogf

$$\{(-2\,n^2-2\,n)\,a(n)+(-3\,n-3)\,a(n+1)+(2\,n^2+10\,n+14)\,a(n+2)$$
$$+(-n-3)\,a(n+3),\ a(0)=1,\ a(1)=2,\ a(2)=6\}$$

Sequence: A099761
Score: 15.2309
Type of gen. func.: lgdogf

$$-\frac{2\,(x^3-6\,x^2+33\,x+32)}{(x-1)\,(x^3-5\,x^2+19\,x+9)}$$

Sequence: A099761
Score: 3.92665
Type of gen. func.: ogf

$$\{(-11\,n^2-71\,n-98)\,a(n+1)+(32\,n^2+192\,n+288)\,a(n+2)$$
$$+(-21\,n^2-81\,n-78)\,a(n+3),\ a(0)=0,\ a(1)=9,\ a(2)=64\}$$

Sequence: A099761
Score: 7.89598
Type of gen. func.: ogf

$$-\frac{x\,(x^3-5\,x^2+19\,x+9)}{(x-1)^5}$$

Sequence: A099762
Score: 14.4551
Type of gen. func.: lgdogf

$$-\frac{3 (x^3 + 17 x^2 + 33 x + 9)}{(x - 1) (x^3 + 12 x^2 + 15 x + 2)}$$

Sequence: A099762
Score: 3.93323
Type of gen. func.: ogf

$$\{(-n^2 - 6 n - 9) a(n + 1) + (5 n^2 + 37 n + 86) a(n + 2)$$
$$+ (-4 n^2 - 16 n - 16) a(n + 3), a(0) = 0, a(1) = 8, a(2) = 108\}$$

Sequence: A099762
Score: 6.90243
Type of gen. func.: ogf

$$\frac{4 x (x^3 + 12 x^2 + 15 x + 2)}{(x - 1)^6}$$

Sequence: A099764
Score: 14.9029
Type of gen. func.: lgdogf

$$-\frac{4 (x^3 + 12 x^2 + 18 x + 4)}{(x - 1) (x + 1) (x^2 + 8 x + 1)}$$

Sequence: A099764
Score: 5.74729
Type of gen. func.: ogf

$$\{(n^2 + 8 n + 16) a(n + 1) + (-n^2 - 2 n - 1) a(n + 2), a(0) = 0, a(1) = 36\}$$

Sequence: A099764
Score: 6.04715
Type of gen. func.: ogf

$$-\frac{36 x (x+1) (x^2+8 x+1)}{(x-1)^7}$$

Sequence: A099770
Score: 10.5363
Type of gen. func.: lgdogf

$$-\frac{13 x^7+x^6+16 x^5+2 x^4+10 x^3+2 x^2+3 x+1}{(x-1) (x+1) (x^2+1) (x^2+x+1) (x^2-x+1)}$$

Sequence: A099770
Score: 24.5541
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5+x^3+x+1]$$

Sequence: A099770
Score: 8.68663
Type of gen. func.: ogf

$$\frac{1}{(x^2-x+1) (x^2+x+1) (x^2+1) (x+1)^3 (x-1)^4}$$

Sequence: A099776
Score: 13.2546
Type of gen. func.: ogf

$$-\frac{x^2-2 x+5}{(x-1)^3}$$

Sequence: A099776
Score: 25.5849
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x + 13}{(x - 1) (x^2 - 2 x + 5)}$$

Sequence: A099776
Score: 7.09238
Type of gen. func.: ogf

$$(82 f(x) - 203) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) - 2 x + 5)$$

Sequence: A099776
Score: 7.09239
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 5, a(1) = 13, a(2) = 25\}$$

Sequence: A099780
Score: 12.3803
Type of gen. func.: lgdogf

$$-\frac{3 (4 x^3 - 11 x^2 + 6 x - 1)}{(3 x - 1) (2 x - 1) (x^2 - 4 x + 1)}$$

Sequence: A099780
Score: 14.6136
Type of gen. func.: ogf

$$\frac{3 x - 1}{(2 x - 1) (x^2 - 4 x + 1)}$$

Sequence: A099780
Score: 6.91538
Type of gen. func.: ogf

$$\{a(n+3) - 6 a(n+2) + 9 a(n+1) - 2 a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A099780
Score: 6.97767
Type of gen. func.: ogf

$$-(517 f(x) + 104) (2 f(x) x^3 - 9 f(x) x^2 + 6 f(x) x - f(x) - 3 x + 1)$$

Sequence: A099781
Score: 11.4387
Type of gen. func.: ogf

$$\frac{4 x - 1}{x^3 - 16 x^2 + 8 x - 1}$$

Sequence: A099781
Score: 11.8657
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 67 x^2 + 32 x - 4}{(4 x - 1) (x^3 - 16 x^2 + 8 x - 1)}$$

Sequence: A099781
Score: 5.41835
Type of gen. func.: ogf

$$\{a(n+3) - 8 a(n+2) + 16 a(n+1) - a(n), a(0) = 1, a(1) = 4, a(2) = 16\}$$

Sequence: A099781
Score: 5.77283
Type of gen. func.: ogf

$$(65 f(x) + 191) (f(x) x^3 - 16 f(x) x^2 + 8 f(x) x - f(x) - 4 x + 1)$$

Sequence: A099782
Score: 11.3448
Type of gen. func.: lgdogf

$$-\frac{2\,(8\,x^3 - 35\,x^2 + 16\,x - 2)}{(4\,x - 1)\,(2\,x^3 - 16\,x^2 + 8\,x - 1)}$$

Sequence: A099782
Score: 11.7871
Type of gen. func.: ogf

$$\frac{4\,x - 1}{2\,x^3 - 16\,x^2 + 8\,x - 1}$$

Sequence: A099782
Score: 5.58337
Type of gen. func.: ogf

$$\{a(n + 3) - 8\,a(n + 2) + 16\,a(n + 1) - 2\,a(n),\ a(0) = 1,\ a(1) = 4,\ a(2) = 16\}$$

Sequence: A099782
Score: 6.00477
Type of gen. func.: ogf

$$(33\,f(x) + 95)\,(2\,f(x)\,x^3 - 16\,f(x)\,x^2 + 8\,f(x)\,x - f(x) - 4\,x + 1)$$

Sequence: A099783
Score: 12.5111
Type of gen. func.: lgdogf

$$-\frac{3\,(6\,x^3 - 12\,x^2 + 6\,x - 1)}{(3\,x - 1)\,(3\,x^3 - 9\,x^2 + 6\,x - 1)}$$

Sequence: A099783
Score: 12.7541
Type of gen. func.: ogf

$$\frac{3 x - 1}{3 x^3 - 9 x^2 + 6 x - 1}$$

Sequence: A099783
Score: 6.03540
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 9 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A099783
Score: 6.2015
Type of gen. func.: ogf

$$-(46 f(x) + 17) (3 f(x) x^3 - 9 f(x) x^2 + 6 f(x) x - f(x) - 3 x + 1)$$

Sequence: A099784
Score: 11.0654
Type of gen. func.: ogf

$$-\frac{2 x + 1}{2 x^3 - 4 x^2 - 4 x - 1}$$

Sequence: A099784
Score: 12.5808
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^3 - x^2 - 4 x - 1)}{(2 x + 1) (2 x^3 - 4 x^2 - 4 x - 1)}$$

Sequence: A099784
Score: 5.23631
Type of gen. func.: ogf

```
 {-a(n + 3) - 4 a(n + 2) - 4 a(n + 1) + 2 a(n), a(0) = 1, a(1) = -2, a(2) = 4}
```

Sequence: A099784
Score: 5.69386
Type of gen. func.: ogf

```
                              3           2
        (3 f(x) - 1) (2 f(x) x  - 4 f(x) x  - 4 f(x) x - f(x) + 2 x + 1)
```

Sequence: A099785
Score: 4.89305
Type of gen. func.: ogf

```
(5 f(x) - 1)

             4            3             2                 2
    (2 f(x) x  + 8 f(x) x  - 12 f(x) x  + 6 f(x) x + 4 x  - f(x) - 4 x + 1)
```

Sequence: A099785
Score: 9.08710
Type of gen. func.: ogf

```
                                            2
                                   (2 x - 1)
                        - -----------------------------
                             4      3       2
                          2 x  + 8 x  - 12 x  + 6 x - 1
```

Sequence: A099785
Score: 9.58329
Type of gen. func.: lgdogf

```
                              4      3       2
                        2 (4 x  + 4 x  - 12 x  + 6 x - 1)
                  - -----------------------------------------
                                  4      3       2
                    (2 x - 1) (2 x  + 8 x  - 12 x  + 6 x - 1)
```

Sequence: A099786
Score: 4.99306
Type of gen. func.: ogf

```
               4            3             2                 2
  -f(x) (f(x) x  + 27 f(x) x  - 27 f(x) x  + 9 f(x) x + 9 x  - f(x) - 6 x + 1)
```

Sequence: A099786
Score: 8.93125
Type of gen. func.: ogf

$$-\frac{(3x-1)^2}{x^4+27x^3-27x^2+9x-1}$$

Sequence: A099786
Score: 9.70693
Type of gen. func.: lgdogf

$$-\frac{6x^4+77x^3-81x^2+27x-3}{(3x-1)(x^4+27x^3-27x^2+9x-1)}$$

Sequence: A099787
Score: 5.31245
Type of gen. func.: ogf

$$f(x)\,(2f(x)x^4+27f(x)x^3-27f(x)x^2+9f(x)x+9x^2-f(x)-6x+1)$$

Sequence: A099787
Score: 9.20328
Type of gen. func.: ogf

$$-\frac{(3x-1)^2}{2x^4+27x^3-27x^2+9x-1}$$

Sequence: A099787
Score: 9.56055
Type of gen. func.: lgdogf

$$-\frac{12x^4+73x^3-81x^2+27x-3}{(3x-1)(2x^4+27x^3-27x^2+9x-1)}$$

Sequence: A099814
Score: 12.9265
Type of gen. func.: ogf

$$-100 f(x) x^2 + 101 f(x) x - f(x) + 11 x$$

Sequence: A099814
Score: 13.6466
Type of gen. func.: revogf

$$-\frac{-101 x - 11 + (81 x + 11)^{1/2} (11 x + 1)^{1/2} 11^{1/2}}{200 x}$$

Sequence: A099814
Score: 19.6975
Type of gen. func.: ogf

$$\frac{11 x}{(100 x - 1) (x - 1)}$$

Sequence: A099814
Score: 28.2344
Type of gen. func.: lgdogf

$$-\frac{-101 + 200 x}{(100 x - 1) (x - 1)}$$

Sequence: A099814
Score: 9.61973
Type of gen. func.: ogf

$$\{a(n + 2) - 101 a(n + 1) + 100 a(n), a(0) = 0, a(1) = 11\}$$

Sequence: A099837
Score: 12.8300
Type of gen. func.: ogf

$$-\frac{(x-1)(x+1)}{x^2+x+1}$$

Sequence: A099837
Score: 24.7528
Type of gen. func.: lgdogf

$$\frac{x^2+4x+1}{(x-1)(x+1)(x^2+x+1)}$$

Sequence: A099837
Score: 25.0646
Type of gen. func.: ogf_with_Euler_transform]

$$x^2-x-1$$

Sequence: A099837
Score: 6.16343
Type of gen. func.: ogf

$$\{-a(n+3)-a(n+2)-a(n+1),\ a(0)=1,\ a(1)=-1,\ a(2)=-1\}$$

Sequence: A099837
Score: 9.38313
Type of gen. func.: ogf

$$-f(x)\,x^2-f(x)\,x-x^2-f(x)+1$$

Sequence: A099838
Score: 10.1281
Type of gen. func.: ogf

$$f(x)\,x^2-x^3+f(x)\,x+x^2+f(x)+x-1$$

Sequence: A099838
Score: 13.1167
Type of gen. func.: ogf

$$\frac{(x + 1) (x - 1)^{2}}{x^{2} + x + 1}$$

Sequence: A099838
Score: 28.1056
Type of gen. func.: lgdogf

$$\frac{x^{3} + 3 x^{2} + 6 x + 2}{(x - 1) (x + 1) (x^{2} + x + 1)}$$

Sequence: A099838
Score: 31.9366
Type of gen. func.: ogf_with_Euler_transform]

$$x^{2} - x - 2$$

Sequence: A099838
Score: 7.08071
Type of gen. func.: ogf

$$\{a(n + 4) + a(n + 3) + a(n + 2), a(0) = 1, a(1) = -2, a(2) = 0, a(3) = 3\}$$

Sequence: A099839
Score: 13.8553
Type of gen. func.: revogf

$$- \frac{-1 + 10 x + ((20 x - 1) (4 x - 1))^{1/2}}{2 (1 + 5 x)}$$

Sequence: A099839
Score: 14.0669

Type of gen. func.: ogf

$$-\frac{x - 1}{5 x^2 + 10 x + 1}$$

Sequence: A099839
Score: 17.5014
Type of gen. func.: lgdogf

$$-\frac{5 x^2 - 10 x - 11}{(x - 1) (5 x^2 + 10 x + 1)}$$

Sequence: A099839
Score: 6.95783
Type of gen. func.: ogf

$$-(100 f(x) + 21) (5 f(x) x^2 + 10 f(x) x + f(x) + x - 1)$$

Sequence: A099839
Score: 7.70331
Type of gen. func.: ogf

$$\{a(n + 2) + 10 a(n + 1) + 5 a(n), a(0) = 1, a(1) = -11\}$$

Sequence: A099840
Score: 10.0336
Type of gen. func.: ogf

$$(70 f(x) + 11) (20 f(x) x^2 - f(x) - 6 x + 1)$$

Sequence: A099840
Score: 10.8054
Type of gen. func.: ogf

$$\{-a(n + 2) + 20 a(n), a(0) = 1, a(1) = -6\}$$

Sequence: A099840
Score: 16.5403
Type of gen. func.: revogf

$$\frac{-1 + ((20 x - 1) (4 x - 1))^{1/2}}{4 (-3 + 10 x)}$$

Sequence: A099840
Score: 16.7226
Type of gen. func.: ogf

$$\frac{6 x - 1}{20 x^2 - 1}$$

Sequence: A099840
Score: 19.1519
Type of gen. func.: lgdogf

$$- \frac{2 (60 x^2 - 20 x + 3)}{(6 x - 1) (20 x^2 - 1)}$$

Sequence: A099841
Score: 13.1273
Type of gen. func.: ogf

$$- \frac{16 x - 1}{80 x^2 - 20 x + 1}$$

Sequence: A099841
Score: 13.6406
Type of gen. func.: revogf

$$- \frac{-1 - 20 x + ((20 x - 1) (4 x - 1))^{1/2}}{32 (1 + 5 x)}$$

Sequence: A099841
Score: 14.8531
Type of gen. func.: lgdogf

$$-\frac{4\,(320\,x^2 - 40\,x + 1)}{(16\,x - 1)\,(80\,x^2 - 20\,x + 1)}$$

Sequence: A099841
Score: 6.84902
Type of gen. func.: ogf

$$-(5\,f(x) - 6)\,(80\,f(x)\,x^2 - 20\,f(x)\,x + f(x) + 16\,x - 1)$$

Sequence: A099841
Score: 7.50131
Type of gen. func.: ogf

$$\{-a(n + 2) + 20\,a(n + 1) - 80\,a(n),\ a(0) = 1,\ a(1) = 4\}$$

Sequence: A099842
Score: 15.2579
Type of gen. func.: revogf

$$\frac{-1 + 6\,x + ((12\,x - 1)\,(4\,x - 1))^{1/2}}{2\,(3\,x - 1)}$$

Sequence: A099842
Score: 15.4552
Type of gen. func.: ogf

$$\frac{x - 1}{3\,x^2 - 6\,x - 1}$$

Sequence: A099842
Score: 7.72761
Type of gen. func.: ogf

$$-(48 f(x) + 1) (3 f(x) x^2 - 6 f(x) x - f(x) - x + 1)$$

Sequence: A099842
Score: 8.48151
Type of gen. func.: ogf

$$\{-a(n + 2) - 6 a(n + 1) + 3 a(n), a(0) = 1, a(1) = -7\}$$

Sequence: A099843
Score: 16.4520
Type of gen. func.: ogf

$$\frac{x - 1}{x^2 - 4 x - 1}$$

Sequence: A099843
Score: 17.0243
Type of gen. func.: revogf

$$\frac{-1 + 4 x + ((10 x - 1) (2 x - 1))^{1/2}}{2 (x - 1)}$$

Sequence: A099843
Score: 25.5364
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x + 5}{(x - 1) (x^2 - 4 x - 1)}$$

Sequence: A099843
Score: 8.22602
Type of gen. func.: ogf

$$-(22 f(x) + 3) (f(x) x^2 - 4 f(x) x - f(x) - x + 1)$$

Sequence: A099843
Score: 9.02856
Type of gen. func.: ogf

$$\{-a(n + 2) - 4 a(n + 1) + a(n), a(0) = 1, a(1) = -5\}$$

Sequence: A099844
Score: 10.4605
Type of gen. func.: ogf

$$\frac{1}{x^6 - 3 x^5 + 3 x^4 - 3 x^3 + 3 x^2 - 3 x + 1}$$

Sequence: A099844
Score: 9.38301
Type of gen. func.: lgdogf

$$-\frac{3 (2 x^5 - 5 x^4 + 4 x^3 - 3 x^2 + 2 x - 1)}{x^6 - 3 x^5 + 3 x^4 - 3 x^3 + 3 x^2 - 3 x + 1}$$

Sequence: A099845
Score: 7.37564
Type of gen. func.: ogf

$$\frac{(x^2 + 1)^2}{x^6 - 3 x^5 + 3 x^4 - 3 x^3 + 3 x^2 - 3 x + 1}$$

Sequence: A099845
Score: 7.65270
Type of gen. func.: lgdogf

$$-\frac{2 x^7 - 3 x^6 + 6 x^5 - 12 x^4 + 6 x^3 + 2 x - 3}{(x^2 + 1) (x^6 - 3 x^5 + 3 x^4 - 3 x^3 + 3 x^2 - 3 x + 1)}$$

Sequence: A099846
Score: 10.7865
Type of gen. func.: lgdogf

$$-\frac{6 x^{5} - 15 x^{4} + 16 x^{3} - 15 x^{2} + 8 x - 3}{(x^{2} - x + 1) (x^{4} - 2 x^{3} + x^{2} - 2 x + 1)}$$

Sequence: A099846
Score: 11.5014
Type of gen. func.: ogf

$$\frac{1}{(x^{2} - x + 1) (x^{4} - 2 x^{3} + x^{2} - 2 x + 1)}$$

Sequence: A099854
Score: 8.17162
Type of gen. func.: ogf

$$\frac{(x^{2} + 1)^{2}}{(x^{2} - x + 1) (x^{4} - 2 x^{3} + x^{2} - 2 x + 1)}$$

Sequence: A099854
Score: 8.29405
Type of gen. func.: lgdogf

$$-\frac{2 x^{7} - 3 x^{6} + 6 x^{5} - 10 x^{4} + 8 x^{3} - 6 x^{2} + 4 x - 3}{(x^{2} + 1) (x^{2} - x + 1) (x^{4} - 2 x^{3} + x^{2} - 2 x + 1)}$$

Sequence: A099855
Score: 13.0070
Type of gen. func.: ogf

$$\frac{x}{(2 x^{2} - 2 x + 1) (2 x - 1)^{2}}$$

Sequence: A099855
Score: 16.7502
Type of gen. func.: lgdogf

$$-\frac{2 (8 x^2 - 8 x + 3)}{(2 x - 1) (2 x^2 - 2 x + 1)}$$

Sequence: A099855
Score: 5.52798
Type of gen. func.: ogf

$$(4 f(x) + 17) (8 f(x) x^4 - 16 f(x) x^3 + 14 f(x) x^2 - 6 f(x) x + f(x) - x)$$

Sequence: A099856
Score: 14.8424
Type of gen. func.: ogf

$$-3 f(x) x + f(x) - 3 x - 1$$

Sequence: A099856
Score: 18.0516
Type of gen. func.: ogf

$$-\frac{3 x + 1}{3 x - 1}$$

Sequence: A099856
Score: 18.7108
Type of gen. func.: revogf

$$-1/6 - x/2 + \frac{(9 x^2 + 18 x + 1)^{1/2}}{6}$$

Sequence: A099856

Score: 36.3821
Type of gen. func.: lgdogf

$$-\frac{6}{(3x-1)(3x+1)}$$

Sequence: A099856
Score: 9.27653
Type of gen. func.: ogf

$$\{a(n+2) - 3a(n+1), a(0) = 1, a(1) = 6\}$$

Sequence: A099857
Score: 12.5615
Type of gen. func.: ogf

$$\frac{x^2 + 3x + 1}{x^2 - 3x + 1}$$

Sequence: A099857
Score: 17.1731
Type of gen. func.: lgdogf

$$-\frac{6(x-1)(x+1)}{(x^2 + 3x + 1)(x^2 - 3x + 1)}$$

Sequence: A099857
Score: 6.46369
Type of gen. func.: ogf

$$\{-a(n+3) + 3a(n+2) - a(n+1), a(0) = 1, a(1) = 6, a(2) = 18\}$$

Sequence: A099857
Score: 9.37689
Type of gen. func.: ogf

$$-f(x)x^2 + 3f(x)x + x^2 - f(x) + 3x + 1$$

Sequence: A099858
Score: 11.3331
Type of gen. func.: lgdogf

$$-\frac{2\,(x^5 + 3\,x^4 - 7\,x^3 + x - 3)}{(x^2 + 1)\,(x^2 + 3\,x + 1)\,(x^2 - 3\,x + 1)}$$

Sequence: A099858
Score: 4.95615
Type of gen. func.: ogf

$$(127\,f(x) + 124)$$

$$(f(x)\,x^4 - 3\,f(x)\,x^3 + 2\,f(x)\,x^2 - 3\,f(x)\,x - x^2 + f(x) - 3\,x - 1)$$

Sequence: A099858
Score: 9.55316
Type of gen. func.: ogf

$$\frac{x^2 + 3\,x + 1}{(x^2 + 1)\,(x^2 - 3\,x + 1)}$$

Sequence: A099859
Score: 10.9874
Type of gen. func.: lgdogf

$$-\frac{4\,x^7 - 3\,x^6 + 8\,x^5 - 6\,x^4 + 4\,x^3 - 2\,x^2 - 1}{(x^2 + 1)\,(x^6 - x^5 + x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A099859
Score: 15.3806
Type of gen. func.: ogf_with_Euler_transform]

$$x^{13} - x^6 - x^3 + 1$$

Sequence: A099859
Score: 7.23573
Type of gen. func.: ogf

$$\frac{x (x^2 + 1)}{x^6 - x^5 + x^4 - x^3 + x^2 - x + 1}$$

Sequence: A099860
Score: 12.0693
Type of gen. func.: lgdogf

$$- \frac{2 x^7 - x^6 + 6 x^5 - 4 x^4 + 2 x^3 - 2 x - 1}{(x^2 + 1) (x^6 - x^5 + x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A099860
Score: 16.0675
Type of gen. func.: ogf_with_Euler_transform]

$$x^{13} - x^6 - 2 x^3 + x + 1$$

Sequence: A099860
Score: 7.60388
Type of gen. func.: ogf

$$\frac{(x^2 + 1)^2}{x^6 - x^5 + x^4 - x^3 + x^2 - x + 1}$$

Sequence: A099867
Score: 14.4249
Type of gen. func.: revogf

$$- \frac{-1 - 5 x + (21 x^2 + 26 x + 1)^{1/2}}{2 (-4 + x)}$$

Sequence: A099867
Score: 16.5259
Type of gen. func.: ogf

$$\frac{4 x + 1}{x^2 - 5 x + 1}$$

Sequence: A099867
Score: 17.3098
Type of gen. func.: lgdogf

$$- \frac{4 x^2 + 2 x - 9}{(4 x + 1) (x^2 - 5 x + 1)}$$

Sequence: A099867
Score: 8.54787
Type of gen. func.: ogf

$$(43 f(x) + 38) (f(x) x^2 - 5 f(x) x + f(x) - 4 x - 1)$$

Sequence: A099867
Score: 9.06907
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A099868
Score: 13.3109
Type of gen. func.: revogf

$$- \frac{-3 - 5 x + (21 x^2 + 70 x + 9)^{1/2}}{2 (-10 + x)}$$

Sequence: A099868

Score: 15.0624
Type of gen. func.: lgdogf

$$-\frac{10 x^2 + 6 x - 25}{(10 x + 3) (x^2 - 5 x + 1)}$$

Sequence: A099868
Score: 15.4048
Type of gen. func.: ogf

$$\frac{10 x + 3}{x^2 - 5 x + 1}$$

Sequence: A099868
Score: 7.87357
Type of gen. func.: ogf

$$(119 f(x) + 268) (f(x) x^2 - 5 f(x) x + f(x) - 10 x - 3)$$

Sequence: A099868
Score: 8.53760
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - a(n), a(0) = 3, a(1) = 25\}$$

Sequence: A099903
Score: 13.6048
Type of gen. func.: lgdogf

$$-\frac{6 (x^3 + 11 x^2 + 15 x + 3)}{(x - 1) (2 x^3 + 15 x^2 + 12 x + 1)}$$

Sequence: A099903
Score: 3.83340
Type of gen. func.: ogf

$$\{(-4 n^2 - 32 n - 64) a(n + 1) + (5 n^2 + 23 n + 44) a(n + 2) + (-n^2 - 6 n - 9) a(n + 3), a(0) = 2, a(1) = 36, a(2) = 216\}$$

Sequence: A099903
Score: 7.08005
Type of gen. func.: ogf

$$\frac{2 (2 x^3 + 15 x^2 + 12 x + 1)}{(x - 1)^6}$$

Sequence: A099912
Score: 10.6000
Type of gen. func.: ogf

$$\frac{2 x^2 - 9 x + 1}{(11 x - 1) (2 x - 1)}$$

Sequence: A099912
Score: 11.6576
Type of gen. func.: lgdogf

$$\frac{4 (43 x^2 - 10 x + 1)}{(11 x - 1) (2 x - 1) (2 x^2 - 9 x + 1)}$$

Sequence: A099912
Score: 5.55237
Type of gen. func.: ogf

$$\{a(n + 3) - 13 a(n + 2) + 22 a(n + 1), a(0) = 1, a(1) = 4, a(2) = 32\}$$

Sequence: A099912
Score: 5.71568
Type of gen. func.: ogf

2 2

$$-(-61 + 105 f(x)) (22 f(x) x - 13 f(x) x - 2 x + f(x) + 9 x - 1)$$

Sequence: A099913
Score: 4.80018
Type of gen. func.: ogf

$$(5691 f(x) - 3286) (10 f(x) x^3 - f(x) x^2 - 10 f(x) x + 6 x^2 + f(x) + 7 x - 1)$$

Sequence: A099913
Score: 4.96714
Type of gen. func.: ogf

$$\{a(n + 3) - 10 a(n + 2) - a(n + 1) + 10 a(n), a(0) = 1, a(1) = 3, a(2) = 25\}$$

Sequence: A099913
Score: 8.47642
Type of gen. func.: lgdogf

$$-\frac{(2 x + 1) (30 x^3 + 55 x^2 - 16 x + 3)}{(x - 1) (10 x - 1) (x + 1) (6 x^2 + 7 x - 1)}$$

Sequence: A099913
Score: 9.06700
Type of gen. func.: ogf

$$-\frac{6 x^2 + 7 x - 1}{(x - 1) (10 x - 1) (x + 1)}$$

Sequence: A099914
Score: 11.8075
Type of gen. func.: ogf

$$\frac{3 x + 1}{(10 x - 1) (x - 1)}$$

Sequence: A099914
Score: 11.8128
Type of gen. func.: revogf

$$-\frac{-11\,x-1+(81\,x^{2}+34\,x+1)^{1/2}}{2\,(-3+10\,x)}$$

Sequence: A099914
Score: 12.9378
Type of gen. func.: lgdogf

$$-\frac{2\,(15\,x^{2}+10\,x-7)}{(x-1)\,(3\,x+1)\,(10\,x-1)}$$

Sequence: A099914
Score: 6.23541
Type of gen. func.: ogf

$$(67\,f(x)+31)\,(10\,f(x)\,x^{2}-11\,f(x)\,x+f(x)-3\,x-1)$$

Sequence: A099914
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n+2)+11\,a(n+1)-10\,a(n),\ a(0)=1,\ a(1)=14\}$$

Sequence: A099915
Score: 11.8075
Type of gen. func.: ogf

$$\frac{4\,x+1}{(10\,x-1)\,(x-1)}$$

Sequence: A099915
Score: 12.0753
Type of gen. func.: revogf

$$-11\,x-1+(81\,x^{2}+38\,x+1)^{1/2}$$

$$- \frac{}{4 (-2 + 5 x)}$$

Sequence: A099915
Score: 13.5847
Type of gen. func.: lgdogf

$$- \frac{5 (8 x^2 + 4 x - 3)}{(x - 1) (4 x + 1) (10 x - 1)}$$

Sequence: A099915
Score: 6.03208
Type of gen. func.: ogf

$$(871 f(x) + 1154) (10 f(x) x^2 - 11 f(x) x + f(x) - 4 x - 1)$$

Sequence: A099915
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 15\}$$

Sequence: A099916
Score: 12.9375
Type of gen. func.: ogf

$$\frac{(x^2 + 1)^2}{x^6 - x^3 + 1}$$

Sequence: A099916
Score: 14.5830
Type of gen. func.: ogf_with_Euler_transform]

$$x^{17} - x^8 - x^5 - 2 x^3 + x^2 + 2 x$$

Sequence: A099917
Score: 12.9375
Type of gen. func.: ogf

$$\frac{(x^2+1)^2}{x^6+x^3+1}$$

Sequence: A099917
Score: 21.2834
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 - 2x^3 - x^2 + 2x$$

Sequence: A099918
Score: 11.1638
Type of gen. func.: lgdogf

$$-\frac{2x^7+x^6+6x^5+4x^4+2x^3-2x+1}{(x^2+1)(x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A099918
Score: 18.6510
Type of gen. func.: ogf_with_Euler_transform]

$$x^6 - 2x^3 + 2x - 1$$

Sequence: A099918
Score: 6.93709
Type of gen. func.: ogf

$$\frac{(x^2+1)^2}{x^6+x^5+x^4+x^3+x^2+x+1}$$

Sequence: A099919
Score: 13.3084

Type of gen. func.: ogf

$$\frac{2 x}{(x - 1) (x^2 + 4 x - 1)}$$

Sequence: A099919
Score: 17.8628
Type of gen. func.: lgdogf

$$- \frac{3 x^2 + 6 x - 5}{(x - 1) (x^2 + 4 x - 1)}$$

Sequence: A099919
Score: 5.34713
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 3 a(n + 1) + a(n), a(0) = 0, a(1) = 2, a(2) = 10\}$$

Sequence: A099919
Score: 5.75846
Type of gen. func.: ogf

$$-(29 f(x) + 6) (f(x) x^3 + 3 f(x) x^2 - 5 f(x) x + f(x) - 2 x)$$

Sequence: A099920
Score: 10.7418
Type of gen. func.: ogf

$$- \frac{x (x - 2)}{(x^2 + x - 1)^2}$$

Sequence: A099920
Score: 22.1819
Type of gen. func.: lgdogf

$$3 x^2 - 7 x - 3$$

$$- \frac{}{(x - 2) (x^2 + x - 1)}$$

Sequence: A099920
Score: 3.58061
Type of gen. func.: ogf

$$\{(6 + 2 n) a(n + 4) + (-3 n - 9) a(n + 3) + (-8 - n) a(n + 2) + (n + 3) a(n + 1), a(0) = 0, a(1) = 2, a(2) = 3, a(3) = 8\}$$

Sequence: A099920
Score: 5.24977
Type of gen. func.: ogf

$$-(775 f(x) - 881) (f(x) x^4 + 2 f(x) x^3 - f(x) x^2 - 2 f(x) x + x^2 + f(x) - 2 x)$$

Sequence: A099921
Score: 13.6988
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 5 x^2 + 4 x + 1}{(x - 1) (x + 1) (x^2 - 3 x + 1)}$$

Sequence: A099921
Score: 14.5493
Type of gen. func.: ogf

$$- \frac{5 (x - 1)}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A099921
Score: 6.82400
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 5, a(1) = 5, a(2) = 20\}$$

Sequence: A099921
Score: 7.0101
Type of gen. func.: ogf

$$-(159 f(x) - 95) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + f(x) + 5 x - 5)$$

Sequence: A099922
Score: 4.29176
Type of gen. func.: ogf

$$(2118425 f(x) + 255744)$$

$$(f(x) x^4 - 9 f(x) x^3 + 16 f(x) x^2 - 9 f(x) x - x^2 + f(x) - 8 x - 1)$$

Sequence: A099922
Score: 8.64481
Type of gen. func.: ogf

$$\frac{x^2 + 8 x + 1}{(x^2 - 7 x + 1) (x - 1)^2}$$

Sequence: A099922
Score: 9.72384
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 17 x^3 - 123 x^2 - 13 x + 17}{(x - 1) (x^2 - 7 x + 1) (x^2 + 8 x + 1)}$$

Sequence: A099923
Score: 5.81172
Type of gen. func.: ogf

$$-\frac{x^4 + 76 x^3 - 164 x^2 - 79 x + 16}{(x - 1) (x^2 + 3 x + 1) (x^2 - 7 x + 1)}$$

Sequence: A099924
Score: 21.0180
Type of gen. func.: lgdogf

$$-\frac{2\,(x^{2}-4\,x-1)}{(x-2)\,(x^{2}+x-1)}$$

Sequence: A099924
Score: 4.85709
Type of gen. func.: ogf

$-(185\,f(x)+512)$

$$(f(x)\,x^{4}+2\,f(x)\,x^{3}-f(x)\,x^{2}-2\,f(x)\,x-x^{2}+f(x)+4\,x-4)$$

Sequence: A099924
Score: 9.64380
Type of gen. func.: ogf

$$\frac{(x-2)^{2}}{(x^{2}+x-1)^{2}}$$

Sequence: A099925
Score: 14.9307
Type of gen. func.: ogf

$$\frac{2\,x^{2}-3}{(x+1)\,(x^{2}+x-1)}$$

Sequence: A099925
Score: 16.3751
Type of gen. func.: lgdogf

$$-\frac{x\,(2\,x^{3}-9\,x-8)}{(x+1)\,(2\,x^{2}-3)\,(x^{2}+x-1)}$$

Sequence: A099925
Score: 8.07479
Type of gen. func.: ogf

$$-(435 f(x) + 2791) (f(x) x^3 + 2 f(x) x^2 - 2 x^2 - f(x) + 3)$$

Sequence: A099925
Score: 8.50891
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 1) - a(n), a(0) = 3, a(1) = 0, a(2) = 4\}$$

Sequence: A099926
Score: 2.42987
Type of gen. func.: ogf

$$-(10 f(x) - 7) (f(x) x^3 + 2 f(x) x^2 - f(x) + 2 x + 1)$$

Sequence: A099926
Score: 4.46302
Type of gen. func.: ogf

$$-\frac{2 x + 1}{(x + 1) (x^2 + x - 1)}$$

Sequence: A099930
Score: 10.9109
Type of gen. func.: lgdogf

$$-\frac{4 (x^3 + 9 x^2 - 15 x - 3)}{(x^2 + 14 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A099930
Score: 10.9197

Type of gen. func.: ogf

$$\frac{1}{(x^2 + 14 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A099930
Score: 4.03188
Type of gen. func.: ogf

$$-(137309 f(x) + 13) (f(x) x^4 + 12 f(x) x^3 - 30 f(x) x^2 - 12 f(x) x + f(x) - 1)$$

Sequence: A099931
Score: 7.74333
Type of gen. func.: lgdogf

$$- \frac{5 x^4 - 116 x^3 - 522 x^2 + 348 x + 29}{(x - 1) (x^2 - 34 x + 1) (x^2 + 6 x + 1)}$$

Sequence: A099931
Score: 8.58314
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (x^2 - 34 x + 1) (x^2 + 6 x + 1)}$$

Sequence: A099934
Score: 3.15913
Type of gen. func.: ogf

$$\{-a(n + 1) + (n + 4) a(n + 2) + (-n - 5) a(n + 3) + a(n + 4), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 11\}$$

Sequence: A099938
Score: 11.4294
Type of gen. func.: ogf

$$-\frac{2\,(2x^2-5x+1)}{(x-1)\,(x^2-6x+1)}$$

Sequence: A099938
Score: 6.16193
Type of gen. func.: ogf

$$(668 f(x) + 89)\,(f(x)\,x^3 - 7 f(x)\,x^2 + 7 f(x)\,x + 4x^2 - f(x) - 10x + 2)$$

Sequence: A099938
Score: 6.27098
Type of gen. func.: ogf

$$\{-a(n+3) + 7a(n+2) - 7a(n+1) + a(n),\ a(0) = 2,\ a(1) = 4,\ a(2) = 18\}$$

Sequence: A099938
Score: 9.64958
Type of gen. func.: lgdogf

$$-\frac{2\,(x^4-5x^3+12x^2-5x+1)}{(x-1)\,(x^2-6x+1)\,(2x^2-5x+1)}$$

Sequence: A099942
Score: 11.8834
Type of gen. func.: ogf

$$\frac{(2x+1)\,(x^2+1)}{(x-1)\,(x+1)\,(2x^2-1)}$$

Sequence: A099942
Score: 7.28701
Type of gen. func.: ogf

$$\{-a(n+4) + 3a(n+2) - 2a(n),\ a(0) = 1,\ a(1) = 2,\ a(2) = 4,\ a(3) = 8\}$$

Sequence: A099942
Score: 8.30562
Type of gen. func.: ogf

$$f(x) (2 f(x) x^4 - 3 f(x) x^2 - 2 x^3 - x^2 + f(x) - 2 x - 1)$$

Sequence: A099942
Score: 9.58947
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^6 + 2 x^5 + 9 x^4 + 4 x^3 - 6 x^2 - 4 x - 1)}{(x - 1) (2 x + 1) (x + 1) (2 x^2 - 1) (x^2 + 1)}$$

Sequence: A099943
Score: 17.3890
Type of gen. func.: ogf

$$-\frac{2 (23 x - 36)}{(x - 1)^2}$$

Sequence: A099943
Score: 24.2944
Type of gen. func.: revogf

$$-\frac{-36 - x + (1296 + 26 x)^{1/2}}{46 + x}$$

Sequence: A099943
Score: 28.6327
Type of gen. func.: lgdogf

$$-\frac{-49 + 23 x}{(x - 1) (23 x - 36)}$$

Sequence: A099943
Score: 8.98112
Type of gen. func.: ogf

$$(13 f(x) + 1465) (f(x) x^2 - 2 f(x) x + f(x) + 46 x - 72)$$

Sequence: A099943
Score: 9.72955
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 72, a(1) = 98\}$$

Sequence: A099944
Score: 14.0950
Type of gen. func.: ogf

$$-\frac{4 (16 x - 19)}{(x - 1) (2 x - 1)}$$

Sequence: A099944
Score: 14.7564
Type of gen. func.: revogf

$$-\frac{-76 - 3 x + (x^2 + 200 x + 5776)^{1/2}}{4 (32 + x)}$$

Sequence: A099944
Score: 15.8361
Type of gen. func.: lgdogf

$$-\frac{32 x^2 - 76 x + 41}{(x - 1) (2 x - 1) (16 x - 19)}$$

Sequence: A099944
Score: 7.27982
Type of gen. func.: ogf

$$(47 f(x) + 3152) (2 f(x) x^2 - 3 f(x) x + f(x) + 64 x - 76)$$

Sequence: A099944
Score: 7.79369
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 76, a(1) = 164\}$$

Sequence: A099945
Score: 13.2984
Type of gen. func.: ogf

$$-\frac{4 (40 x - 47)}{(x - 1) (2 x - 1)}$$

Sequence: A099945
Score: 13.8823
Type of gen. func.: revogf

$$-\frac{-188 - 3 x + (x^2 + 488 x + 35344)^{1/2}}{4 (80 + x)}$$

Sequence: A099945
Score: 14.8509
Type of gen. func.: lgdogf

$$-\frac{80 x^2 - 188 x + 101}{(x - 1) (40 x - 47) (2 x - 1)}$$

Sequence: A099945
Score: 6.85915
Type of gen. func.: ogf

$$(115 f(x) + 19184) (2 f(x) x^2 - 3 f(x) x + f(x) + 160 x - 188)$$

Sequence: A099945
Score: 7.57698

Type of gen. func.: ogf

$$\{-a(n+2)+3\,a(n+1)-2\,a(n),\ a(0)=188,\ a(1)=404\}$$

Sequence: A099953
Score: 4.27276
Type of gen. func.: ogf

$$\{(2n+5)\,a(n+1)+(-2n-6)\,a(n+2)+a(n+3),\ a(0)=0,\ a(1)=1,\ a(2)=4\}$$

Sequence: A099976
Score: 4.21635
Type of gen. func.: ogf

$$\{(-32n^2-128n-126)\,a(n+1)+(2n^2+9n+10)\,a(n+2),\ a(0)=2,\ a(1)=20\}$$

Sequence: A100004
Score: 7.35042
Type of gen. func.: ogf

$$(f(x)-1)^2\,(3780691200\,x^4+503936\,f(x)\,x^2-503936\,x^2-3\,f(x)+3)$$

Sequence: A100019
Score: 15.0058
Type of gen. func.: lgdogf

$$-\frac{2\,(x^3+12\,x^2+33\,x+14)}{(x-1)\,(x+3)\,(x^2+4\,x+1)}$$

Sequence: A100019
Score: 3.84866
Type of gen. func.: ogf

$$\{(-8n^2-41n-50)\,a(n+1)+(-19n^2-210n-471)\,a(n+2)$$

$$+ (27 n^2 + 111 n + 114) a(n + 3), a(0) = 0, a(1) = 3, a(2) = 28\}$$

Sequence: A100019
Score: 7.78099
Type of gen. func.: ogf

$$- \frac{x (x + 3) (x^2 + 4 x + 1)}{(x - 1)^5}$$

Sequence: A100024
Score: 7.17705
Type of gen. func.: lgdogf

$$- \frac{16 x^7 - 41 x^6 + 246 x^5 - 55 x^4 + 260 x^3 + 57 x^2 + 22 x + 7}{(x - 1) (x + 1) (x^6 - 3 x^5 + 15 x^4 - 10 x^3 + 15 x^2 - 3 x + 1)}$$

Sequence: A100033
Score: 4.27195
Type of gen. func.: ogf

$$\{(-32 n^2 - 160 n - 198) a(n + 1) + (2 n^2 + 11 n + 15) a(n + 2), a(0) = 3,$$

$$a(1) = 35\}$$

Sequence: A100033
Score: 7.43718
Type of gen. func.: revogf

$$- \frac{-3 - 48 x - 128 x^4 - 256 x^3 - 176 x^2 + (32 x^2 + 32 x + 9)^{1/2}}{128 (2 x + 1)^4}$$

Sequence: A100036
Score: 7.53881
Type of gen. func.: ogf

$$-\frac{x^7 - x^6 + 2x^5 + x^4 - x^2 + x + 1}{(x+1)^2 (x-1)^3}$$

Sequence: A100036
Score: 9.05364
Type of gen. func.: lgdogf

$$\frac{2x^8 - 2x^7 - 6x^6 + 3x^5 - 11x^4 - x^3 - 3x^2 - 4x - 2}{(x-1)(x+1)(x^7 - x^6 + 2x^5 + x^4 - x^2 + x + 1)}$$

Sequence: A100037
Score: 13.4540
Type of gen. func.: ogf

$$-\frac{3x^2 - 3x + 4}{(x-1)^3}$$

Sequence: A100037
Score: 26.8403
Type of gen. func.: lgdogf

$$-\frac{3(x^2 + 3)}{(x-1)(3x^2 - 3x + 4)}$$

Sequence: A100037
Score: 7.26278
Type of gen. func.: ogf

$$(304 f(x) - 1) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) - 3 x + 4)$$

Sequence: A100037
Score: 7.26278
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 4, a(1) = 9, a(2) = 18\}$$

Sequence: A100038
Score: 12.8950
Type of gen. func.: ogf

$$- \frac{6 x^2 - 13 x + 11}{(x - 1)^3}$$

Sequence: A100038
Score: 20.4354
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^2 - 7 x + 10)}{(x - 1) (6 x^2 - 13 x + 11)}$$

Sequence: A100038
Score: 6.76984
Type of gen. func.: ogf

$$(5552 f(x) + 21075) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 6 x^2 - f(x) - 13 x + 11)$$

Sequence: A100038
Score: 7.06419
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 11, a(1) = 20, a(2) = 33\}$$

Sequence: A100039
Score: 12.8138
Type of gen. func.: ogf

$$- \frac{13 x^2 - 31 x + 22}{(x - 1)^3}$$

Sequence: A100039
Score: 20.1170
Type of gen. func.: lgdogf

$$-\frac{13 x^2 - 36 x + 35}{(x - 1) (13 x^2 - 31 x + 22)}$$

Sequence: A100039
Score: 6.72198
Type of gen. func.: ogf

$$(9392 f(x) + 125199)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 13 x^2 - f(x) - 31 x + 22)$$

Sequence: A100039
Score: 7.13115
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 22, a(1) = 35, a(2) = 52\}$$

Sequence: A100040
Score: 12.7303
Type of gen. func.: ogf

$$\frac{4 x^2 - 13 x + 5}{(x - 1)^3}$$

Sequence: A100040
Score: 21.1238
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^2 - 9 x + 1)}{(x - 1) (4 x^2 - 13 x + 5)}$$

Sequence: A100040
Score: 6.41691
Type of gen. func.: ogf

$$-(2608 f(x) - 16087) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 4 x^2 - f(x) + 13 x - 5)$$

Sequence: A100040
Score: 7.04715
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = -5, a(1) = -2, a(2) = 5\}$$

Sequence: A100041
Score: 13.4330
Type of gen. func.: ogf

$$\frac{(2 x - 1) (3 x - 7)}{(x - 1)^3}$$

Sequence: A100041
Score: 21.1555
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^2 - 11 x + 2)}{(x - 1) (2 x - 1) (3 x - 7)}$$

Sequence: A100041
Score: 6.77113
Type of gen. func.: ogf

$$-(2864 f(x) - 24087) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 6 x^2 - f(x) + 17 x - 7)$$

Sequence: A100041
Score: 7.43615
Type of gen. func.: ogf

$\{-a(n+3)+3a(n+2)-3a(n+1)+a(n), a(0)=-7, a(1)=-4, a(2)=3\}$

Sequence: A100047
Score: 11.4226
Type of gen. func.: ogf

$$-\frac{x(x-1)(x+1)}{x^4-x^3+x^2-x+1}$$

Sequence: A100047
Score: 16.1243
Type of gen. func.: lgdogf

$$-\frac{2x^5-x^4-4x^3+4x^2-4x+1}{(x-1)(x+1)(x^4-x^3+x^2-x+1)}$$

Sequence: A100047
Score: 22.4432
Type of gen. func.: ogf_with_Euler_transform]

$$x^9-x^4-2x+1$$

Sequence: A100047
Score: 7.20843
Type of gen. func.: ogf

$$-f(x)x^4+f(x)x^3-f(x)x^2-x^3+f(x)x-f(x)+x$$

Sequence: A100048
Score: 11.1583
Type of gen. func.: ogf

$$-\frac{x(x-1)(x+1)}{x^4-2x^3+x^2-2x+1}$$

Sequence: A100048
Score: 11.1660
Type of gen. func.: lgdogf

$$-\frac{2\,(x^{5}-x^{4}-2\,x^{3}+4\,x^{2}-2\,x+1)}{(x-1)\,(x+1)\,(x^{4}-2\,x^{3}+x^{2}-2\,x+1)}$$

Sequence: A100048
Score: 5.80233
Type of gen. func.: ogf

$$(7\,f(x)-1)\,(f(x)\,x^{4}-2\,f(x)\,x^{3}+f(x)\,x^{2}+x^{3}-2\,f(x)\,x+f(x)-x)$$

Sequence: A100049
Score: 10.2228
Type of gen. func.: ogf

$$-\frac{(x-1)\,(x+1)\,(x^{2}+1)^{2}}{x^{6}+2\,x^{4}-x^{3}+2\,x^{2}+1}$$

Sequence: A100049
Score: 11.1942
Type of gen. func.: lgdogf

$$\frac{x\,(2\,x^{6}-3\,x^{5}+10\,x^{4}+2\,x^{3}+10\,x^{2}-3\,x+2)}{(x-1)\,(x+1)\,(x^{2}+1)\,(x^{6}+2\,x^{4}-x^{3}+2\,x^{2}+1)}$$

Sequence: A100050
Score: 13.8453
Type of gen. func.: ogf

$$-\frac{x\,(x-1)\,(x+1)}{(x^{2}-x+1)^{2}}$$

Sequence: A100050
Score: 27.2015
Type of gen. func.: ogf_with_Euler_transform]

$$2 x^{5} - 2 x^{2} - 3 x + 2$$

Sequence: A100050
Score: 31.7145
Type of gen. func.: lgdogf

$$- \frac{2 (x^{3} - 3 x + 1)}{(x - 1) (x + 1) (x^{2} - x + 1)}$$

Sequence: A100050
Score: 5.20199
Type of gen. func.: ogf

$$\{(n^{2} + 5 n + 6) a(n + 1) + (-n^{2} - 4 n - 3) a(n + 2) + (n^{2} + 3 n + 2) a(n + 3),$$
$$a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A100050
Score: 6.97632
Type of gen. func.: ogf

$$-(9 f(x) - 5) (f(x) x^{4} - 2 f(x) x^{3} + 3 f(x) x^{2} + x^{3} - 2 f(x) x + f(x) - x)$$

Sequence: A100051
Score: 13.4811
Type of gen. func.: ogf

$$- \frac{(x - 1) (x + 1)}{x^{2} - x + 1}$$

Sequence: A100051
Score: 19.9552

Type of gen. func.: ogf_with_Euler_transform]

$$x^5 - x^2 - 2 x + 1$$

Sequence: A100051
Score: 23.6192
Type of gen. func.: lgdogf

$$-\frac{x^2 - 4 x + 1}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A100051
Score: 6.47624
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) + a(n + 1), a(0) = 1, a(1) = 1, a(2) = -1}

Sequence: A100051
Score: 9.85934
Type of gen. func.: ogf

$$-f(x) x^2 + f(x) x - x^2 - f(x) + 1$$

Sequence: A100052
Score: 14.4818
Type of gen. func.: lgdogf

$$-\frac{3 (x^4 - x^3 - 2 x^2 - x + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A100052
Score: 20.3877
Type of gen. func.: ogf_with_Euler_transform]

$$2 x^5 - 3 x^2 - 3 x + 3$$

Sequence: A100052
Score: 4.86019
Type of gen. func.: ogf

$$(36 f(x) + 47)$$

$$(f(x) x^4 - 2 f(x) x^3 + x^4 + 3 f(x) x^2 + x^3 - 2 f(x) x + f(x) - x - 1)$$

Sequence: A100052
Score: 8.77358
Type of gen. func.: ogf

$$- \frac{(x - 1) (x + 1) (x^2 + x + 1)}{(x^2 - x + 1)^2}$$

Sequence: A100058
Score: 17.6114
Type of gen. func.: ogf

$$\frac{1}{2 x^3 - x^2 - 3 x + 1}$$

Sequence: A100058
Score: 18.7820
Type of gen. func.: lgdogf

$$- \frac{6 x^2 - 2 x - 3}{2 x^3 - x^2 - 3 x + 1}$$

Sequence: A100058
Score: 5.76655
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - a(n + 1) + 2 a(n), a(0) = 1, a(1) = 3, a(2) = 10\}$$

Sequence: A100058
Score: 6.2059
Type of gen. func.: ogf

$$-(73 f(x) + 60) (2 f(x) x^3 - f(x) x^2 - 3 f(x) x + f(x) - 1)$$

Sequence: A100059
Score: 4.9708
Type of gen. func.: ogf

$$(3257 f(x) + 2282) (2 f(x) x^3 - f(x) x^2 - 3 f(x) x + 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A100059
Score: 5.14675
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + a(n + 1) - 2 a(n), a(0) = 1, a(1) = 5, a(2) = 14\}$$

Sequence: A100059
Score: 9.53415
Type of gen. func.: ogf

$$-\frac{2 x^2 - 2 x - 1}{2 x^3 - x^2 - 3 x + 1}$$

Sequence: A100059
Score: 9.80812
Type of gen. func.: lgdogf

$$-\frac{4 x^4 - 8 x^3 + 2 x^2 - 2 x + 5}{(2 x^2 - 2 x - 1) (2 x^3 - x^2 - 3 x + 1)}$$

Sequence: A100061
Score: 3.84566
Type of gen. func.: ogf

$$- (81 x^2 + 9 x + 1) (531441 x^6 + 729 x^3 + 1) \Big/ ((9 x - 1) (4782969 x^8 + 1062882 x^7 + 177147 x^6 + 26244 x^5 + 3645 x^4 + 486 x^3 + 63 x^2 + 8 x + 1))$$

Sequence: A100062
Score: 10.6721
Type of gen. func.: ogf

$$\{a(n + 1) - 9 a(n), a(0) = 9\}$$

Sequence: A100062
Score: 13.5354
Type of gen. func.: ogf

$$-9 f(x) x + f(x) - 9$$

Sequence: A100062
Score: 22.1980
Type of gen. func.: ogf

$$- \frac{9}{9 x - 1}$$

Sequence: A100062
Score: 49.3991
Type of gen. func.: revegf]

$$1/9 \ln(x + 1)$$

Sequence: A100062
Score: 54.3390
Type of gen. func.: lgdogf

$$- \frac{9}{9 x - 1}$$

Sequence: A100063
Score: 14.4468
Type of gen. func.: ogf

$$-\frac{(x^2+1)(x+1)}{(x-1)(x^2+x+1)}$$

Sequence: A100063
Score: 14.9160
Type of gen. func.: lgdogf

$$-\frac{x^4+2x^3+6x^2+2x+1}{(x-1)(x+1)(x^2+1)(x^2+x+1)}$$

Sequence: A100063
Score: 24.8915
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^3+x^2+1]$$

Sequence: A100063
Score: 8.57776
Type of gen. func.: ogf

$$\{-a(n+4)+a(n+1),\ a(0)=1,\ a(1)=1,\ a(2)=1,\ a(3)=2\}$$

Sequence: A100063
Score: 9.92127
Type of gen. func.: ogf

$$(f(x)-2)(f(x)x^3+x^3+x^2-f(x)+x+1)$$

Sequence: A100066
Score: 18.9298
Type of gen. func.: lgdogf

2

$$-\frac{8 x - 4 x - 1}{(x - 1) (2 x + 1) (2 x - 1)}$$

Sequence: A100066
Score: 3.64651
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 4) + (n + 3) a(n + 3) + (4 n + 8) a(n + 2) + (-8 - 4 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 3\}$$

Sequence: A100066
Score: 6.90359
Type of gen. func.: ogf

$$-4 f(x)^2 x^4 + 8 f(x)^2 x^3 - 3 f(x)^2 x^2 - 2 f(x)^2 x + f(x)^2 - x^2$$

Sequence: A100067
Score: 7.78215
Type of gen. func.: ogf

$$-20 f(x)^2 x^3 + 8 f(x)^2 x^2 + 5 f(x)^2 x - 8 f(x) x^2 - 2 f(x)^2 + 2 f(x) - x$$

Sequence: A100068
Score: 7.1952
Type of gen. func.: ogf

$$-40 f(x)^2 x^3 + 12 f(x)^2 x^2 + 10 f(x)^2 x - 12 f(x) x^2 - 3 f(x)^2 + 3 f(x) - x$$

Sequence: A100069
Score: 7.12168
Type of gen. func.: ogf

$$-68 f(x)^2 x^3 + 16 f(x)^2 x^2 + 17 f(x)^2 x - 16 f(x) x^2 - 4 f(x)^2 + 4 f(x) - x$$

Sequence: A100071
Score: 24.4195

Type of gen. func.: lgdogf

$$-\frac{2(4x+1)}{(2x-1)(2x+1)}$$

Sequence: A100071
Score: 5.03480
Type of gen. func.: ogf

$\{(-2-n)a(n+3)+2a(n+2)+(4n+8)a(n+1), a(0)=0, a(1)=1,$

$a(2)=2\}$

Sequence: A100071
Score: 7.69687
Type of gen. func.: ogf

$$-16 f(x)^2 x^4 + 16 f(x)^2 x^3 - 4 f(x)^2 x + f(x)^2 - x^2$$

Sequence: A100087
Score: 11.4892
Type of gen. func.: ogf

$$-5 f(x)^2 x + 2 f(x)^2 + 2 f(x) x - 2 f(x) - x$$

Sequence: A100087
Score: 5.17722
Type of gen. func.: ogf

$\{-20 a(n) n + 8 a(n+1) n + (5n+15) a(n+2) + (-2n-6) a(n+3),$

$a(0)=1, a(1)=2, a(2)=4\}$

Sequence: A100088
Score: 12.6365
Type of gen. func.: ogf

$$\frac{(x-1)(x+1)}{(2x-1)(x^2+1)}$$

Sequence: A100088
Score: 14.4142
Type of gen. func.: lgdogf

$$-\frac{2\,(x^4 - 4\,x^2 + 2\,x - 1)}{(x - 1)\,(2\,x - 1)\,(x + 1)\,(x^2 + 1)}$$

Sequence: A100088
Score: 6.43108
Type of gen. func.: ogf

$$\{a(n + 3) - 2\,a(n + 2) + a(n + 1) - 2\,a(n),\ a(0) = 1,\ a(1) = 2,\ a(2) = 2\}$$

Sequence: A100088
Score: 6.99302
Type of gen. func.: ogf

$$-f(x)\,(2\,f(x)\,x^3 - f(x)\,x^2 + 2\,f(x)\,x - x^2 - f(x) + 1)$$

Sequence: A100095
Score: 6.63684
Type of gen. func.: ogf

$$20\,f(x)^2\,x^4 - 9\,f(x)^2\,x^2 + 8\,f(x)\,x^3 + f(x)^2 - 2\,f(x)\,x + x^2$$

Sequence: A100096
Score: 4.95808
Type of gen. func.: ogf

$$-40\,f(x)^2\,x^4 - 4\,f(x)^2\,x^3 + 18\,f(x)^2\,x^2 - 12\,f(x)\,x^3 + f(x)^2\,x - 2\,f(x)^2 + 3\,f(x)\,x - x^2$$

Sequence: A100097
Score: 5.9639

Type of gen. func.: ogf

$$32 f(x)^2 x^4 - 12 f(x)^2 x^2 + 8 f(x) x^3 + f(x)^2 - 2 f(x) x + x^2$$

Sequence: A100098
Score: 13.5379
Type of gen. func.: revogf

$$\frac{(-1 - x + 3 (9 x^2 + 2 x + 1)^{1/2}) x}{2 (10 x^2 + 2 x + 1)}$$

Sequence: A100098
Score: 3.38414
Type of gen. func.: ogf

$$\{(20 n + 40) a(n + 1) + (-8 n - 26) a(n + 2) + (-5 n - 16) a(n + 3) + (2 n + 8) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 7\}$$

Sequence: A100098
Score: 7.35681
Type of gen. func.: ogf

$$10 f(x)^2 x^2 + f(x)^2 x - 2 f(x)^2 + 2 f(x) x + f(x) + 1$$

Sequence: A100098
Score: 9.34307
Type of gen. func.: lgdogf

$$\frac{-40 x^2 + 18 x + 1 + 3 (-(2 x - 1) (2 x + 1))^{1/2}}{2 (-2 + 5 x) (2 x - 1) (2 x + 1)}$$

Sequence: A100099
Score: 6.12236
Type of gen. func.: ogf

$$-20 f(x)^2 x^3 + 8 f(x)^2 x^2 + 5 f(x)^2 x - 4 f(x) x^2 - 2 f(x)^2 + f(x) - x$$

Sequence: A100102
Score: 10.6106
Type of gen. func.: ogf

$$-\frac{13 x^2 - 9 x + 2}{(4 x - 1) (x - 1)^2}$$

Sequence: A100102
Score: 12.4066
Type of gen. func.: lgdogf

$$-\frac{52 x^3 - 20 x^2 + 7 x - 3}{(x - 1) (4 x - 1) (13 x^2 - 9 x + 2)}$$

Sequence: A100102
Score: 5.82173
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 9 a(n + 1) - 4 a(n), a(0) = 2, a(1) = 3, a(2) = 13\}$$

Sequence: A100102
Score: 6.85915
Type of gen. func.: ogf

$$(9 f(x) - 202) (4 f(x) x^3 - 9 f(x) x^2 + 6 f(x) x + 13 x^2 - f(x) - 9 x + 2)$$

Sequence: A100103
Score: 10.7845
Type of gen. func.: ogf

$$-\frac{9 x^2 - 4 x + 1}{(4 x - 1) (x - 1)^2}$$

Sequence: A100103
Score: 12.9029
Type of gen. func.: lgdogf

$$-\frac{2\,(18\,x^{3}+2\,x^{2}-x-1)}{(x-1)\,(4\,x-1)\,(9\,x^{2}-4\,x+1)}$$

Sequence: A100103
Score: 5.7205
Type of gen. func.: ogf

$$(981\,f(x)-757)\,(4\,f(x)\,x^{3}-9\,f(x)\,x^{2}+6\,f(x)\,x+9\,x^{2}-f(x)-4\,x+1)$$

Sequence: A100103
Score: 5.82173
Type of gen. func.: ogf

$$\{a(n+3)-6\,a(n+2)+9\,a(n+1)-4\,a(n),\ a(0)=1,\ a(1)=2,\ a(2)=12\}$$

Sequence: A100104
Score: 10.7463
Type of gen. func.: ogf

$$\frac{x^{3}+7\,x^{2}-3\,x+1}{(x-1)^{4}}$$

Sequence: A100104
Score: 18.8935
Type of gen. func.: lgdogf

$$-\frac{x^{3}+17\,x^{2}+5\,x+1}{(x-1)\,(x^{3}+7\,x^{2}-3\,x+1)}$$

Sequence: A100104

Score: 4.35507
Type of gen. func.: ogf

$$\{(-169 n^2 - 809 n - 942) a(n + 1) + (218 n^2 + 600 n + 234) a(n + 2) + (-49 n^2 - 151 n - 12) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 5\}$$

Sequence: A100104
Score: 5.70665
Type of gen. func.: ogf

$$(17766 f(x) + 34463) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 7 x^2 + f(x) + 3 x - 1)$$

Sequence: A100109
Score: 10.4849
Type of gen. func.: ogf

$$- \frac{2 x^3 - 9 x^2 + 2 x - 1}{(x - 1)^4}$$

Sequence: A100109
Score: 16.8593
Type of gen. func.: lgdogf

$$- \frac{2 (x^3 - 6 x^2 - 6 x - 1)}{(x - 1) (2 x^3 - 9 x^2 + 2 x - 1)}$$

Sequence: A100109
Score: 4.41168
Type of gen. func.: ogf

$$\{(11 n^2 + 63 n + 82) a(n + 1) + (-16 n^2 - 64 n - 52) a(n + 2) + (5 n^2 + 19 n + 12) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 11\}$$

Sequence: A100109
Score: 5.5297
Type of gen. func.: ogf

```
(44442 f(x) + 202069)

           4           3           2      3                 2
    (f(x) x  - 4 f(x) x  + 6 f(x) x  + 2 x  - 4 f(x) x - 9 x  + f(x) + 2 x - 1)
```

Sequence: A100119
Score: 17.5584
Type of gen. func.: lgdogf

```
                                3      2
                               x  - 7 x  - 4 x - 2
                        - -----------------------------
                                    3      2
                          (x - 1) (x  - 5 x  + 2 x - 1)
```

Sequence: A100119
Score: 4.05242
Type of gen. func.: ogf

```
       2                                  2
{(137 n  + 765 n + 982) a(n + 1) + (-192 n  - 708 n - 476) a(n + 2)

            2
     + (55 n  + 189 n + 72) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 7}
```

Sequence: A100119
Score: 5.31007
Type of gen. func.: ogf

```
(21006 f(x) + 43441)

           4           3           2    3                 2
    (f(x) x  - 4 f(x) x  + 6 f(x) x  + x  - 4 f(x) x - 5 x  + f(x) + 2 x - 1)
```

Sequence: A100119
Score: 9.99948
Type of gen. func.: ogf

```
                                3      2
                               x  - 5 x  + 2 x - 1
                             - -------------------
                                           4
                                    (x - 1)
```

Sequence: A100130
Score: 11.3492
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{24 x^2 - 24 x + 24}{-x^4 + 1}$$

Sequence: A100131
Score: 13.0914
Type of gen. func.: ogf

$$\frac{2 x - 1}{(x^2 + 2 x - 1) (x - 1)^2}$$

Sequence: A100131
Score: 14.7878
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^3 + x^2 - 3 x + 1)}{(x - 1) (2 x - 1) (x^2 + 2 x - 1)}$$

Sequence: A100131
Score: 3.54003
Type of gen. func.: ogf

$\{(n + 3) a(n + 1) + (n + 4) a(n + 2) + (-3 n - 7) a(n + 3) + (n + 2) a(n + 4),$

$a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8\}$

Sequence: A100131
Score: 7.30362
Type of gen. func.: ogf

$$f(x) (f(x) x^4 - 4 f(x) x^2 + 4 f(x) x - f(x) - 2 x + 1)$$

Sequence: A100132
Score: 11.6969
Type of gen. func.: lgdogf

$$-\frac{2\,(6\,x^4-4\,x^3-4\,x^2+4\,x-1)}{(2\,x-1)\,(2\,x^4-4\,x^2+4\,x-1)}$$

Sequence: A100132
Score: 12.8339
Type of gen. func.: ogf

$$\frac{2\,x-1}{2\,x^4-4\,x^2+4\,x-1}$$

Sequence: A100132
Score: 6.87064
Type of gen. func.: ogf

$$-f(x)\,(2\,f(x)\,x^4-4\,f(x)\,x^2+4\,f(x)\,x-f(x)-2\,x+1)$$

Sequence: A100133
Score: 11.1658
Type of gen. func.: lgdogf

$$-\frac{2\,(9\,x^4-6\,x^3-4\,x^2+4\,x-1)}{(2\,x-1)\,(3\,x^4-4\,x^2+4\,x-1)}$$

Sequence: A100133
Score: 12.2600
Type of gen. func.: ogf

$$\frac{2\,x-1}{3\,x^4-4\,x^2+4\,x-1}$$

Sequence: A100133
Score: 6.30854
Type of gen. func.: ogf

$$(f(x) - 1) (3 f(x) x^4 - 4 f(x) x^2 + 4 f(x) x - f(x) - 2 x + 1)$$

Sequence: A100134
Score: 10.7459
Type of gen. func.: lgdogf

$$- \frac{4 x^6 - 6 x^5 + x^3 - 3 x^2 + 3 x - 1}{(x - 1) (x^2 + x - 1) (x^4 - x^3 + 2 x^2 - 2 x + 1)}$$

Sequence: A100134
Score: 10.9597
Type of gen. func.: ogf

$$- \frac{(x - 1)^2}{(x^2 + x - 1) (x^4 - x^3 + 2 x^2 - 2 x + 1)}$$

Sequence: A100135
Score: 10.8601
Type of gen. func.: ogf

$$- \frac{(x - 1)^2}{2 x^6 + x^3 - 3 x^2 + 3 x - 1}$$

Sequence: A100135
Score: 11.8515
Type of gen. func.: lgdogf

$$- \frac{8 x^6 - 12 x^5 + x^3 - 3 x^2 + 3 x - 1}{(x - 1) (2 x^6 + x^3 - 3 x^2 + 3 x - 1)}$$

Sequence: A100136
Score: 10.9374
Type of gen. func.: ogf

$$-\frac{(x-1)^2}{3x^6+x^3-3x^2+3x-1}$$

Sequence: A100136
Score: 11.7498
Type of gen. func.: lgdogf

$$-\frac{12x^6-18x^5+x^3-3x^2+3x-1}{(x-1)(3x^6+x^3-3x^2+3x-1)}$$

Sequence: A100137
Score: 10.4001
Type of gen. func.: ogf

$$-\frac{(2x-1)^2}{(x^2+2x-1)(x^4-2x^3+5x^2-4x+1)}$$

Sequence: A100137
Score: 8.92837
Type of gen. func.: lgdogf

$$-\frac{2(4x^6-3x^5+8x^3-12x^2+6x-1)}{(2x-1)(x^2+2x-1)(x^4-2x^3+5x^2-4x+1)}$$

Sequence: A100138
Score: 10.0578
Type of gen. func.: ogf

$$-\frac{(2x-1)^2}{{}^{6}\qquad{}^{3}\qquad{}^{2}}$$

$$2 x + 8 x - 12 x + 6 x - 1$$

Sequence: A100138
Score: 9.72456
Type of gen. func.: lgdogf

$$-\frac{2 (8 x^{6} - 6 x^{5} + 8 x^{3} - 12 x^{2} + 6 x - 1)}{(2 x - 1) (2 x^{6} + 8 x^{3} - 12 x^{2} + 6 x - 1)}$$

Sequence: A100139
Score: 10.2036
Type of gen. func.: ogf

$$-\frac{(2 x - 1)^{2}}{3 x^{6} + 8 x^{3} - 12 x^{2} + 6 x - 1}$$

Sequence: A100139
Score: 9.73121
Type of gen. func.: lgdogf

$$-\frac{2 (12 x^{6} - 9 x^{5} + 8 x^{3} - 12 x^{2} + 6 x - 1)}{(2 x - 1) (3 x^{6} + 8 x^{3} - 12 x^{2} + 6 x - 1)}$$

Sequence: A100145
Score: 16.1197
Type of gen. func.: lgdogf

$$-\frac{6 (35 x^{2} + 93 x + 20)}{(x - 1) (105 x^{2} + 116 x + 1)}$$

Sequence: A100145
Score: 4.39137
Type of gen. func.: ogf

$$\frac{(64662519566187 f(x) + 6058884262005787)}{(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 105 x^2 + f(x) - 116 x - 1)}$$

Sequence: A100145
Score: 9.68508
Type of gen. func.: ogf

$$\frac{105 x^2 + 116 x + 1}{(x - 1)^4}$$

Sequence: A100146
Score: 15.4308
Type of gen. func.: lgdogf

$$- \frac{2 (35 x^2 + 101 x + 24)}{(x - 1) (35 x^2 + 44 x + 1)}$$

Sequence: A100146
Score: 4.32651
Type of gen. func.: ogf

$$\frac{(73901696000 f(x) + 2529223721807)}{(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 35 x^2 + f(x) - 44 x - 1)}$$

Sequence: A100146
Score: 9.32332
Type of gen. func.: ogf

$$\frac{35 x^2 + 44 x + 1}{(x - 1)^4}$$

Sequence: A100147
Score: 16.0846
Type of gen. func.: lgdogf

$$-\frac{6\,(7x^2+20x+5)}{(x-1)\,(21x^2+26x+1)}$$

Sequence: A100147
Score: 5.50488
Type of gen. func.: ogf

$$-(27101088 f(x) + 554600083)$$

$$(f(x)\,x^4 - 4 f(x)\,x^3 + 6 f(x)\,x^2 - 4 f(x)\,x - 21 x^2 + f(x) - 26 x - 1)$$

Sequence: A100147
Score: 9.03045
Type of gen. func.: ogf

$$\frac{21x^2+26x+1}{(x-1)^4}$$

Sequence: A100148
Score: 16.0607
Type of gen. func.: lgdogf

$$-\frac{6\,(17x^2+45x+10)}{(x-1)\,(51x^2+56x+1)}$$

Sequence: A100148
Score: 4.22863
Type of gen. func.: ogf

$$-(430405956504 f(x) + 19586065330829)$$

$$(f(x)\,x^4 - 4 f(x)\,x^3 + 6 f(x)\,x^2 - 4 f(x)\,x - 51 x^2 + f(x) - 56 x - 1)$$

Sequence: A100148

Score: 9.46977
Type of gen. func.: ogf

$$\frac{51 x^2 + 56 x + 1}{(x - 1)^4}$$

Sequence: A100149
Score: 15.8180
Type of gen. func.: lgdogf

$$-\frac{4 (8 x^2 + 23 x + 6)}{(x - 1) (16 x^2 + 20 x + 1)}$$

Sequence: A100149
Score: 4.20509
Type of gen. func.: ogf

$$(1959713917 f(x) + 30915986121)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 16 x^2 + f(x) - 20 x - 1)$$

Sequence: A100149
Score: 8.88401
Type of gen. func.: ogf

$$\frac{16 x^2 + 20 x + 1}{(x - 1)^4}$$

Sequence: A100150
Score: 15.0464
Type of gen. func.: lgdogf

$$-\frac{2 (17 x^2 + 47 x + 12)}{(x - 1) (17 x^2 + 20 x + 1)}$$

Sequence: A100150
Score: 4.20509
Type of gen. func.: ogf

$$(1697197819 f(x) + 27296718679)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 17 x^2 + f(x) - 20 x - 1)$$

Sequence: A100150
Score: 8.88401
Type of gen. func.: ogf

$$\frac{17 x^2 + 20 x + 1}{(x - 1)^4}$$

Sequence: A100151
Score: 16.0607
Type of gen. func.: lgdogf

$$- \frac{4 (26 x^2 + 68 x + 15)}{(x - 1) (52 x^2 + 56 x + 1)}$$

Sequence: A100151
Score: 4.2825
Type of gen. func.: ogf

$$(2413616773895 f(x) + 110618318190639)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 52 x^2 + f(x) - 56 x - 1)$$

Sequence: A100151
Score: 9.46977
Type of gen. func.: ogf

$$\frac{52 x^2 + 56 x + 1}{(x - 1)^4}$$

Sequence: A100152
Score: 15.5514
Type of gen. func.: lgdogf

$$-\frac{4\,(5x^2+20x+6)}{(x-1)(10x^2+20x+1)}$$

Sequence: A100152
Score: 4.3081
Type of gen. func.: ogf

$$(3247219 f(x) + 45917125)$$

$$(f(x)\,x^4 - 4 f(x)\,x^3 + 6 f(x)\,x^2 - 4 f(x)\,x - 10 x^2 + f(x) - 20 x - 1)$$

Sequence: A100152
Score: 8.73756
Type of gen. func.: ogf

$$\frac{10x^2+20x+1}{(x-1)^4}$$

Sequence: A100153
Score: 16.4623
Type of gen. func.: lgdogf

$$-\frac{12\,(7x^2+21x+5)}{(x-1)(42x^2+56x+1)}$$

Sequence: A100153
Score: 4.2825
Type of gen. func.: ogf

$$(4298322688605 f(x) + 183481478525507)$$

4 3 2 2

$$(f(x)\ x\ -\ 4\ f(x)\ x\ +\ 6\ f(x)\ x\ -\ 4\ f(x)\ x\ -\ 42\ x\ +\ f(x)\ -\ 56\ x\ -\ 1)$$

Sequence: A100153
Score: 9.46977
Type of gen. func.: ogf

$$\frac{42 x^2 + 56 x + 1}{(x - 1)^4}$$

Sequence: A100154
Score: 16.0607
Type of gen. func.: lgdogf

$$-\frac{12 (2 x + 5) (4 x + 1)}{(x - 1) (48 x^2 + 56 x + 1)}$$

Sequence: A100154
Score: 4.2825
Type of gen. func.: ogf

$$(5909074817625 f(x) + 263214641592569)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 48 x^2 + f(x) - 56 x - 1)$$

Sequence: A100154
Score: 9.46977
Type of gen. func.: ogf

$$\frac{48 x^2 + 56 x + 1}{(x - 1)^4}$$

Sequence: A100155
Score: 15.7291
Type of gen. func.: lgdogf

$$-\frac{2 (x + 3) (13 x + 4)}{}$$

$$(x - 1) (13 x^2 + 20 x + 1)$$

Sequence: A100155
Score: 4.2385
Type of gen. func.: ogf

$$(311371201 f(x) + 4640976695)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 13 x^2 + f(x) - 20 x - 1)$$

Sequence: A100155
Score: 8.83520
Type of gen. func.: ogf

$$\frac{13 x^2 + 20 x + 1}{(x - 1)^4}$$

Sequence: A100156
Score: 16.0414
Type of gen. func.: lgdogf

$$- \frac{4 (x^2 + 7 x + 3)}{(x - 1) (2 x^2 + 8 x + 1)}$$

Sequence: A100156
Score: 4.02316
Type of gen. func.: ogf

$$(11045969 f(x) + 62124143)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 2 x^2 + f(x) - 8 x - 1)$$

Sequence: A100156
Score: 8.33787
Type of gen. func.: ogf

^{2}

$$\frac{2 x + 8 x + 1}{(x - 1)^4}$$

Sequence: A100157
Score: 15.0486
Type of gen. func.: lgdogf

$$-\frac{2 (5 x^2 + 20 x + 7)}{(x - 1) (5 x^2 + 10 x + 1)}$$

Sequence: A100157
Score: 4.30669
Type of gen. func.: ogf

$(1248 f(x) + 9089)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 5 x^2 + f(x) - 10 x - 1)$$

Sequence: A100157
Score: 8.36729
Type of gen. func.: ogf

$$\frac{5 x^2 + 10 x + 1}{(x - 1)^4}$$

Sequence: A100158
Score: 15.6783
Type of gen. func.: lgdogf

$$-\frac{2 (51 x^2 + 138 x + 31)}{(x - 1) (51 x^2 + 58 x + 1)}$$

Sequence: A100158
Score: 4.45267
Type of gen. func.: ogf

$$(3102534380 f(x) + 144369484937)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 51 x^2 + f(x) - 58 x - 1)$$

Sequence: A100158
Score: 9.46977
Type of gen. func.: ogf

$$\frac{51 x^2 + 58 x + 1}{(x - 1)^4}$$

Sequence: A100159
Score: 15.7609
Type of gen. func.: lgdogf

$$- \frac{2 (55 x^2 + 142 x + 31)}{(x - 1) (55 x^2 + 58 x + 1)}$$

Sequence: A100159
Score: 4.47562
Type of gen. func.: ogf

$$(9692123668 f(x) + 463572873955)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 55 x^2 + f(x) - 58 x - 1)$$

Sequence: A100159
Score: 9.51858
Type of gen. func.: ogf

$$\frac{55 x^2 + 58 x + 1}{(x - 1)^4}$$

Sequence: A100160

Score: 16.1453
Type of gen. func.: lgdogf

$$-\frac{2\,(57\,x^2 + 144\,x + 31)}{(x - 1)\,(57\,x + 1)\,(x + 1)}$$

Sequence: A100160
Score: 4.38843
Type of gen. func.: ogf

$$(161854281596\,f(x) + 7848280970867)$$

$$(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - 4\,f(x)\,x - 57\,x^2 + f(x) - 58\,x - 1)$$

Sequence: A100160
Score: 9.51858
Type of gen. func.: ogf

$$\frac{(x + 1)\,(57\,x + 1)}{(x - 1)^4}$$

Sequence: A100161
Score: 15.1309
Type of gen. func.: lgdogf

$$-\frac{2\,(17\,x^2 + 50\,x + 13)}{(x - 1)\,(17\,x^2 + 22\,x + 1)}$$

Sequence: A100161
Score: 4.40437
Type of gen. func.: ogf

$$(1419000\,f(x) + 24316889)$$

$$(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - 4\,f(x)\,x - 17\,x^2 + f(x) - 22\,x - 1)$$

Sequence: A100161

Score: 8.93282
Type of gen. func.: ogf

$$\frac{17 x^2 + 22 x + 1}{(x - 1)^4}$$

Sequence: A100162
Score: 15.2154
Type of gen. func.: lgdogf

$$- \frac{2 (19 x^2 + 52 x + 13)}{(x - 1) (19 x^2 + 22 x + 1)}$$

Sequence: A100162
Score: 4.36778
Type of gen. func.: ogf

$$(25285960 f(x) + 448855593)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 19 x^2 + f(x) - 22 x - 1)$$

Sequence: A100162
Score: 8.98163
Type of gen. func.: ogf

$$\frac{19 x^2 + 22 x + 1}{(x - 1)^4}$$

Sequence: A100163
Score: 15.5958
Type of gen. func.: lgdogf

$$- \frac{2 (21 x^2 + 54 x + 13)}{(x - 1) (21 x + 1) (x + 1)}$$

Sequence: A100163
Score: 4.30875
Type of gen. func.: ogf

$$(494226920 f(x) + 9089120351)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 21 x^2 + f(x) - 22 x - 1)$$

Sequence: A100163
Score: 8.98163
Type of gen. func.: ogf

$$\frac{(x + 1) (21 x + 1)}{(x - 1)^4}$$

Sequence: A100164
Score: 15.3000
Type of gen. func.: lgdogf

$$- \frac{2 (21 x^2 + 63 x + 16)}{(x - 1) (21 x^2 + 28 x + 1)}$$

Sequence: A100164
Score: 5.81501
Type of gen. func.: ogf

$$(115475 f(x) + 2485283)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 21 x^2 + f(x) - 28 x - 1)$$

Sequence: A100164
Score: 9.03045
Type of gen. func.: ogf

$$\frac{21 x^2 + 28 x + 1}{(x - 1)^4}$$

Sequence: A100165
Score: 15.4690
Type of gen. func.: lgdogf

$$-\frac{2\,(25\,x^2 + 67\,x + 16)}{(x - 1)\,(25\,x^2 + 28\,x + 1)}$$

Sequence: A100165
Score: 4.4696
Type of gen. func.: ogf

$$(6251661\,f(x) + 142281235)$$

$$(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - 4\,f(x)\,x - 25\,x^2 + f(x) - 28\,x - 1)$$

Sequence: A100165
Score: 9.12807
Type of gen. func.: ogf

$$\frac{25\,x^2 + 28\,x + 1}{(x - 1)^4}$$

Sequence: A100166
Score: 15.7609
Type of gen. func.: lgdogf

$$-\frac{2\,(53\,x^2 + 140\,x + 31)}{(x - 1)\,(53\,x^2 + 58\,x + 1)}$$

Sequence: A100166
Score: 4.47562
Type of gen. func.: ogf

$$(4177147296\,f(x) + 197066598499)$$

$$(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - 4\,f(x)\,x - 53\,x^2 + f(x) - 58\,x - 1)$$

Sequence: A100166
Score: 9.51858
Type of gen. func.: ogf

$$\frac{53 x^{2} + 58 x + 1}{(x - 1)^{4}}$$

Sequence: A100167
Score: 4.31496
Type of gen. func.: ogf

$$-(41614500 f(x) + 1078164023)$$

$$(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 4 f(x) x - 25 x^{2} + f(x) - 34 x - 1)$$

Sequence: A100167
Score: 9.17689
Type of gen. func.: ogf

$$\frac{25 x^{2} + 34 x + 1}{(x - 1)^{4}}$$

Sequence: A100168
Score: 4.46273
Type of gen. func.: ogf

$$(28518735 f(x) + 764875403)$$

$$(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 4 f(x) x - 28 x^{2} + f(x) - 34 x - 1)$$

Sequence: A100168
Score: 9.17689
Type of gen. func.: ogf

$$\frac{28 x^{2} + 34 x + 1}{{}^{4}}$$

$$(x - 1)$$

Sequence: A100169
Score: 16.0909
Type of gen. func.: lgdogf

$$-\frac{4 (38 x^2 + 104 x + 23)}{(x - 1) (76 x^2 + 88 x + 1)}$$

Sequence: A100169
Score: 4.56743
Type of gen. func.: ogf

$$(1746877605 f(x) + 122258538653)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 76 x^2 + f(x) - 88 x - 1)$$

Sequence: A100169
Score: 9.71383
Type of gen. func.: ogf

$$\frac{76 x^2 + 88 x + 1}{(x - 1)^4}$$

Sequence: A100170
Score: 16.0909
Type of gen. func.: lgdogf

$$-\frac{4 (41 x^2 + 107 x + 23)}{(x - 1) (82 x^2 + 88 x + 1)}$$

Sequence: A100170
Score: 4.56743
Type of gen. func.: ogf

$$(5456999823 f(x) + 392501106641)$$

$$(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - 4\,f(x)\,x - 82\,x^2 + f(x) - 88\,x - 1)$$

Sequence: A100170
Score: 9.71383
Type of gen. func.: ogf

$$\frac{82\,x^2 + 88\,x + 1}{(x - 1)^4}$$

Sequence: A100171
Score: 14.5561
Type of gen. func.: lgdogf

$$-\frac{2\,(10\,x^2 + 25\,x + 7)}{(x - 1)\,(10\,x^2 + 10\,x + 1)}$$

Sequence: A100171
Score: 4.19793
Type of gen. func.: ogf

$$(627347\,f(x) + 5449625)$$

$$(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - 4\,f(x)\,x - 10\,x^2 + f(x) - 10\,x - 1)$$

Sequence: A100171
Score: 8.39587
Type of gen. func.: ogf

$$\frac{10\,x^2 + 10\,x + 1}{(x - 1)^4}$$

Sequence: A100172
Score: 15.8558
Type of gen. func.: lgdogf

$$-\frac{4\,(14\,x^2 + 35\,x + 8)}{(x - 1)\,(28\,x^2 + 28\,x + 1)}$$

Sequence: A100172
Score: 4.43899
Type of gen. func.: ogf

$$(37751936\,f(x) + 896047269)$$

$$(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - 4\,f(x)\,x - 28\,x^2 + f(x) - 28\,x - 1)$$

Sequence: A100172
Score: 9.12807
Type of gen. func.: ogf

$$\frac{28\,x^2 + 28\,x + 1}{(x - 1)^4}$$

Sequence: A100173
Score: 15.8558
Type of gen. func.: lgdogf

$$-\frac{4\,(13\,x^2 + 34\,x + 8)}{(x - 1)\,(26\,x^2 + 28\,x + 1)}$$

Sequence: A100173
Score: 4.40879
Type of gen. func.: ogf

$$(48335265\,f(x) + 1115593007)$$

$$(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - 4\,f(x)\,x - 26\,x^2 + f(x) - 28\,x - 1)$$

Sequence: A100173
Score: 9.12807

Type of gen. func.: ogf

$$\frac{26 x^2 + 28 x + 1}{(x - 1)^4}$$

Sequence: A100174
Score: 15.2310
Type of gen. func.: lgdogf

$$- \frac{2 (3 x + 7) (3 x + 1)}{(x - 1) (9 x + 1) (x + 1)}$$

Sequence: A100174
Score: 4.14434
Type of gen. func.: ogf

$$(4575500 f(x) + 38296019)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 9 x^2 + f(x) - 10 x - 1)$$

Sequence: A100174
Score: 8.46631
Type of gen. func.: ogf

$$\frac{(x + 1) (9 x + 1)}{(x - 1)^4}$$

Sequence: A100175
Score: 23.6574
Type of gen. func.: lgdogf

$$- \frac{4 (2 + x)}{(2 x + 1) (x - 1)}$$

Sequence: A100175
Score: 3.69526
Type of gen. func.: ogf

$\{(n + 3) a(n + 3) + (-6 + n) a(n + 2) + (-2 n - 6) a(n + 1), a(0) = 1, a(1) = 8,$

$a(2) = 30\}$

Sequence: A100175
Score: 6.22015
Type of gen. func.: ogf

$(585 f(x) + 2153)$

$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 4 x^2 + f(x) - 4 x - 1)$

Sequence: A100175
Score: 8.08672
Type of gen. func.: ogf

$$\frac{(2 x + 1)^2}{(x - 1)^4}$$

Sequence: A100176
Score: 10.5233
Type of gen. func.: ogf

$$\frac{5 x^2 + 12 x + 1}{(x - 1)^4}$$

Sequence: A100176
Score: 19.0048
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^2 + 23 x + 8)}{(x - 1) (5 x^2 + 12 x + 1)}$$

Sequence: A100176
Score: 5.08019
Type of gen. func.: ogf

$$(23379759 f(x) + 197523779)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 5 x^2 + f(x) - 12 x - 1)$$

Sequence: A100177
Score: 10.9552
Type of gen. func.: ogf

$$- \frac{4 x^3 + 8 x^2 - x + 1}{(x - 1)^5}$$

Sequence: A100177
Score: 20.3947
Type of gen. func.: lgdogf

$$- \frac{4 (2 x^3 + 9 x^2 + 3 x + 1)}{(x - 1) (4 x^3 + 8 x^2 - x + 1)}$$

Sequence: A100177
Score: 5.15192
Type of gen. func.: ogf

$$\{(-58 n^2 - 358 n - 552) a(n + 1) + (65 n^2 + 156 n - 80) a(n + 2)$$

$$+ (-7 n^2 - 2 n + 57) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 18\}$$

Sequence: A100178
Score: 12.4283
Type of gen. func.: ogf

$$\frac{(x + 1) (3 x + 1)}{(x - 1)^4}$$

Sequence: A100178

Score: 14.7060
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^2+9\,x+4)}{(x-1)\,(3\,x+1)\,(x+1)}$$

Sequence: A100178
Score: 4.30932
Type of gen. func.: ogf

$$\{(n+4)\,a(n+4)+(1+3\,n)\,a(n+3)+(-20-n)\,a(n+2)$$
$$+(-3\,n-9)\,a(n+1),\ a(0)=1,\ a(1)=8,\ a(2)=29,\ a(3)=72\}$$

Sequence: A100178
Score: 6.21416
Type of gen. func.: ogf

$$(85760\,f(x)+291527)$$
$$(f(x)\,x^4-4\,f(x)\,x^3+6\,f(x)\,x^2-4\,f(x)\,x-3\,x^2+f(x)-4\,x-1)$$

Sequence: A100179
Score: 15.3070
Type of gen. func.: lgdogf

$$-\frac{8\,x^2+23\,x+9}{(x-1)\,(4\,x+1)\,(x+1)}$$

Sequence: A100179
Score: 3.97827
Type of gen. func.: ogf

$$(4448000\,f(x)+18764467)$$
$$(f(x)\,x^4-4\,f(x)\,x^3+6\,f(x)\,x^2-4\,f(x)\,x-4\,x^2+f(x)-5\,x-1)$$

Sequence: A100179
Score: 8.18719
Type of gen. func.: ogf

$$\frac{(x+1)(4x+1)}{(x-1)^4}$$

Sequence: A100182
Score: 13.6499
Type of gen. func.: ogf

$$\frac{2x^2+4x+1}{(x-1)^4}$$

Sequence: A100182
Score: 26.4723
Type of gen. func.: lgdogf

$$-\frac{4(x^2+4x+2)}{(x-1)(2x^2+4x+1)}$$

Sequence: A100182
Score: 4.73289
Type of gen. func.: ogf

$$\{(n+4)a(n+4)+(1+3n)a(n+3)+(-20-2n)a(n+2)$$

$$+(-2n-6)a(n+1), a(0)=1, a(1)=8, a(2)=28, a(3)=68\}$$

Sequence: A100182
Score: 6.72747
Type of gen. func.: ogf

$$(342657 f(x)+1090183)$$

$$(f(x)x^4-4f(x)x^3+6f(x)x^2-4f(x)x-2x^2+f(x)-4x-1)$$

Sequence: A100183
Score: 15.7884
Type of gen. func.: lgdogf

$$-\frac{4 (2 x^2 + 8 x + 3)}{(x - 1) (4 x^2 + 8 x + 1)}$$

Sequence: A100183
Score: 4.10031
Type of gen. func.: ogf

$$(8715499 f(x) + 51534803)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 4 x^2 + f(x) - 8 x - 1)$$

Sequence: A100183
Score: 8.43832
Type of gen. func.: ogf

$$\frac{4 x^2 + 8 x + 1}{(x - 1)^4}$$

Sequence: A100184
Score: 15.2310
Type of gen. func.: lgdogf

$$-\frac{4 (3 x^2 + 12 x + 4)}{(x - 1) (6 x^2 + 12 x + 1)}$$

Sequence: A100184
Score: 4.08718
Type of gen. func.: ogf

$$(20679885 f(x) + 178955987)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 6 x^2 + f(x) - 12 x - 1)$$

Sequence: A100184

Score: 8.46631
Type of gen. func.: ogf

$$\frac{6 x^{2} + 12 x + 1}{(x - 1)^{4}}$$

Sequence: A100185
Score: 13.0518
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^{3} + 18 x^{2} + 7 x + 2)}{(x - 1) (3 x^{3} + 9 x^{2} - x + 1)}$$

Sequence: A100185
Score: 7.21033
Type of gen. func.: ogf

$$- \frac{3 x^{3} + 9 x^{2} - x + 1}{(x - 1)^{5}}$$

Sequence: A100186
Score: 15.0182
Type of gen. func.: lgdogf

$$- \frac{2 (3 x + 8) (3 x + 1)}{(x - 1) (9 x^{2} + 12 x + 1)}$$

Sequence: A100186
Score: 4.13498
Type of gen. func.: ogf

$$(22487245 f(x) + 212092159)$$

$$(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 4 f(x) x - 9 x^{2} + f(x) - 12 x - 1)$$

Sequence: A100186
Score: 8.56533
Type of gen. func.: ogf

$$\frac{9 x^2 + 12 x + 1}{(x - 1)^4}$$

Sequence: A100187
Score: 14.9027
Type of gen. func.: lgdogf

$$- \frac{2 (11 x^2 + 32 x + 9)}{(x - 1) (11 x^2 + 14 x + 1)}$$

Sequence: A100187
Score: 4.12142
Type of gen. func.: ogf

$$(360413456 f(x) + 3996895247)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 11 x^2 + f(x) - 14 x - 1)$$

Sequence: A100187
Score: 8.59113
Type of gen. func.: ogf

$$\frac{11 x^2 + 14 x + 1}{(x - 1)^4}$$

Sequence: A100188
Score: 14.0242
Type of gen. func.: lgdogf

$$- \frac{2 (x^3 - 9 x^2 - 9 x - 3)}{(x - 1) (x^3 - 7 x^2 - x - 1)}$$

Sequence: A100188
Score: 7.09083
Type of gen. func.: ogf

$$\frac{x^3 - 7 x^2 - x - 1}{(x - 1)^5}$$

Sequence: A100189
Score: 13.8630
Type of gen. func.: lgdogf

$$-\frac{2 (7 x^3 + 21 x^2 + 9 x + 3)}{(x - 1) (x + 1) (7 x^2 + 1)}$$

Sequence: A100189
Score: 3.75115
Type of gen. func.: ogf

$$\{(-4 n^2 - 25 n - 39) a(n + 1) + (4 n^2 + 6 n - 22) a(n + 2) + (9 + 3 n) a(n + 3)$$

$$, a(0) = 1, a(1) = 6, a(2) = 27\}$$

Sequence: A100189
Score: 7.32984
Type of gen. func.: ogf

$$-\frac{(x + 1) (7 x^2 + 1)}{(x - 1)^5}$$

Sequence: A100190
Score: 10.3272
Type of gen. func.: ogf

$$\frac{9 x^2 + 12 x + 1}{}$$

$$(3 x - 1)^2 (x - 1)^2$$

Sequence: A100190
Score: 11.0302
Type of gen. func.: lgdogf

$$- \frac{2 (27 x^3 + 54 x^2 - 27 x - 10)}{(x - 1) (3 x - 1) (9 x^2 + 12 x + 1)}$$

Sequence: A100190
Score: 5.23634
Type of gen. func.: ogf

$$(149864 f(x) + 376609)$$

$$(9 f(x) x^4 - 24 f(x) x^3 + 22 f(x) x^2 - 8 f(x) x - 9 x^2 + f(x) - 12 x - 1)$$

Sequence: A100191
Score: 10.1593
Type of gen. func.: lgdogf

$$- \frac{4 x^4 - 12 x^3 + 9 x^2 + 2 x + 6}{(2 x^2 - 3 x - 1) (2 x^3 - 3 x^2 - 3 x + 1)}$$

Sequence: A100191
Score: 12.2846
Type of gen. func.: ogf

$$- \frac{2 x^2 - 3 x - 1}{2 x^3 - 3 x^2 - 3 x + 1}$$

Sequence: A100191
Score: 6.35053
Type of gen. func.: ogf

$$(29259 f(x) + 8086) (2 f(x) x^3 - 3 f(x) x^2 - 3 f(x) x + 2 x^2 + f(x) - 3 x - 1)$$

Sequence: A100191
Score: 6.63153
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 6, a(2) = 19\}$$

Sequence: A100192
Score: 6.84414
Type of gen. func.: ogf

$$36 f(x)^2 x^2 - 17 f(x)^2 x + 2 f(x)^2 + 8 f(x) x - 2 f(x) + x$$

Sequence: A100193
Score: 6.05666
Type of gen. func.: ogf

$$-64 f(x)^2 x^2 + 28 f(x)^2 x - 3 f(x)^2 - 12 f(x) x + 3 f(x) - x$$

Sequence: A100206
Score: 13.9519
Type of gen. func.: ogf

$$- \frac{x (x - 7)}{(x - 1) (2 x - 1)}$$

Sequence: A100206
Score: 16.4253
Type of gen. func.: revogf

$$- \frac{-7 - 3 x + (x^2 + 38 x + 49)^{1/2}}{2 (2 x + 1)}$$

Sequence: A100206
Score: 18.7066

Type of gen. func.: lgdogf

$$-\frac{2\,(x^{2}-14\,x+10)}{(x-1)\,(x-7)\,(2\,x-1)}$$

Sequence: A100206
Score: 6.70236
Type of gen. func.: ogf

$$\{a(n+3)-3\,a(n+2)+2\,a(n+1),\ a(0)=0,\ a(1)=7,\ a(2)=20\}$$

Sequence: A100206
Score: 8.44001
Type of gen. func.: ogf

$$f(x)\,(2\,f(x)\,x^{2}-3\,f(x)\,x+x^{2}+f(x)-7\,x)$$

Sequence: A100207
Score: 10.3878
Type of gen. func.: ogf

$$-\frac{2\,(x^{3}-6\,x^{2}-5\,x-2)}{(x-1)^{4}}$$

Sequence: A100207
Score: 17.9107
Type of gen. func.: lgdogf

$$-\frac{x^{3}-9\,x^{2}-27\,x-13}{(x-1)\,(x^{3}-6\,x^{2}-5\,x-2)}$$

Sequence: A100207
Score: 4.10318
Type of gen. func.: ogf

2 2

```
{(-823 n  - 4665 n - 6038) a(n + 1) + (458 n  - 1072 n - 6238) a(n + 2)

             2
     + (365 n  + 2173 n + 3234) a(n + 3), a(0) = 4, a(1) = 26, a(2) = 92}



------------------------------------------------------------------------------

Sequence:  A100207
Score: 5.47092
Type of gen. func.: ogf


(541188 f(x) + 7374401) (

          4           3           2      3                  2
    f(x) x  - 4 f(x) x  + 6 f(x) x  + 2 x  - 4 f(x) x - 12 x  + f(x) - 10 x - 4

    )



------------------------------------------------------------------------------

Sequence:  A100212
Score: 10.1670
Type of gen. func.: lgdogf


                      6       5       4       3      2
                  40 x  + 64 x  - 68 x  + 32 x  - 2 x  - 8 x + 5
                - -----------------------------------------------
                              2          2                2
                  (2 + x) (2 x  - 1) (2 x  - 2 x + 1) (2 x  + 1)



------------------------------------------------------------------------------

Sequence:  A100212
Score: 9.58391
Type of gen. func.: ogf


                                      4
                                   4 x  (2 + x)
                    - ---------------------------------------
                          2          2                2
                      (2 x  - 1) (2 x  - 2 x + 1) (2 x  + 1)



------------------------------------------------------------------------------

Sequence:  A100213
Score: 6.39116
Type of gen. func.: ogf


                          6       5      4      2
                      16 x  - 16 x  + 8 x  - 2 x  + 7 x - 4
               - -------------------------------------------------
                                2          2                2
                 (2 x - 1) (2 x  - 1) (2 x  - 2 x + 1) (2 x  + 1)



------------------------------------------------------------------------------

Sequence:  A100214
```

Score: 11.5140
Type of gen. func.: ogf

$$\frac{4 (7 x^2 - 2 x + 1)}{(x - 1)^4}$$

Sequence: A100214
Score: 21.9814
Type of gen. func.: lgdogf

$$- \frac{2 (7 x^2 + 4 x + 1)}{(x - 1) (7 x^2 - 2 x + 1)}$$

Sequence: A100214
Score: 3.99001
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-11 - 3 n) a(n + 3) + (10 + 9 n) a(n + 2) + (-21 - 7 n) a(n + 1), a(0) = 4, a(1) = 8, a(2) = 36, a(3) = 112\}$$

Sequence: A100214
Score: 6.06003
Type of gen. func.: ogf

$$(84 f(x) + 767) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 28 x^2 + f(x) + 8 x - 4)$$

Sequence: A100215
Score: 5.19609
Type of gen. func.: ogf

$$(281 f(x) - 5595) (4 f(x) x^3 - 6 f(x) x^2 + 4 f(x) x + 2 x^2 - f(x) - 7 x + 4)$$

Sequence: A100215
Score: 5.33404
Type of gen. func.: ogf

$\{-a(n + 3) + 4 a(n + 2) - 6 a(n + 1) + 4 a(n), a(0) = 4, a(1) = 9, a(2) = 14\}$

Sequence: A100215
Score: 9.06581
Type of gen. func.: lgdogf

$$-\frac{8 x^4 - 56 x^3 + 82 x^2 - 44 x + 9}{(2 x - 1) (2 x^2 - 7 x + 4) (2 x^2 - 2 x + 1)}$$

Sequence: A100215
Score: 9.88110
Type of gen. func.: ogf

$$-\frac{2 x^2 - 7 x + 4}{(2 x - 1) (2 x^2 - 2 x + 1)}$$

Sequence: A100216
Score: 12.2821
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^4 - 8 x^2 + 7 x - 2)}{(x - 1) (2 x - 1) (x + 1) (2 x^2 - 2 x + 1)}$$

Sequence: A100216
Score: 12.5253
Type of gen. func.: ogf

$$\frac{(x - 1) (x + 1)}{(2 x - 1) (2 x^2 - 2 x + 1)}$$

Sequence: A100216
Score: 6.15467
Type of gen. func.: ogf

$$-(202 f(x) + 1583) (4 f(x) x^3 - 6 f(x) x^2 + 4 f(x) x - x^2 - f(x) + 1)$$

Sequence: A100216
Score: 6.37448
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 6 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 4, a(2) = 9\}$$

Sequence: A100217
Score: 4.41763
Type of gen. func.: ogf

$$4 f(x)^2 x^4 - f(x)^2 x^3 - 4 f(x)^2 x^2 + 5 f(x)^2 x + 4 f(x) x^2 - f(x)^2 - 5 f(x) x + f(x) + x$$

Sequence: A100219
Score: 19.1381
Type of gen. func.: lgdogf

$$- \frac{x (4 x^2 - 7 x + 4)}{(x - 1) (2 x - 1) (x^2 - x + 1)}$$

Sequence: A100219
Score: 4.73901
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 0, a(2) = -2\}$$

Sequence: A100219
Score: 6.4942
Type of gen. func.: ogf

$$-f(x) x^3 + 2 f(x) x^2 - 2 f(x) x + f(x) + 2 x - 1$$

Sequence: A100219
Score: 9.92509
Type of gen. func.: ogf

$$\frac{2 x - 1}{(x - 1) (x^2 - x + 1)}$$

Sequence: A100223
Score: 10.7290
Type of gen. func.: lgdogf

$$\frac{-3 x + 1 + 2 x (5 x^2 - 2 x + 1)^{1/2} - (5 x^2 - 2 x + 1)^{1/2}}{2 (5 x^2 - 2 x + 1)^{1/2} (x - 1) x}$$

Sequence: A100223
Score: 13.4912
Type of gen. func.: ogf

$$-f(x)^2 + f(x) x + x^2 + f(x) - x$$

Sequence: A100223
Score: 4.16640
Type of gen. func.: ogf

$$\{(15 n^2 - 15 n) a(n) + (-11 n^2 - 13 n) a(n + 1) + (5 n^2 + 13 n + 6) a(n + 2)$$

$$+ (-n^2 - 5 n - 6) a(n + 3), a(0) = 1, a(1) = 0, a(2) = 1\}$$

Sequence: A100225
Score: 11.8730
Type of gen. func.: lgdogf

$$\frac{1 - 4 x + 2 x (8 x^2 + 1)^{1/2} - (8 x^2 + 1)^{1/2}}{2 (8 x^2 + 1)^{1/2} (x - 1) x}$$

Sequence: A100225
Score: 11.907
Type of gen. func.: ogf

$$f(x)^2 - 2 f(x) x - x^2 - f(x) + x$$

Sequence: A100225
Score: 3.76955
Type of gen. func.: ogf

$$\{(32 n^2 - 32 n) a(n) + (-8 n^2 - 16 n) a(n + 1) + (4 n^2 + 8 n) a(n + 2) + (-n^2 - 5 n - 6) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A100227
Score: 11.1121
Type of gen. func.: lgdogf

$$- \frac{3 x^4 - 4 x^3 + 10 x^2 - 4 x - 1}{(x - 1) (3 x^2 - 2 x + 1) (x^2 + 2 x - 1)}$$

Sequence: A100227
Score: 12.8352
Type of gen. func.: ogf

$$\frac{3 x^2 - 2 x + 1}{(x - 1) (x^2 + 2 x - 1)}$$

Sequence: A100227
Score: 6.99062
Type of gen. func.: ogf

$$(f(x) + 11) (f(x) x^3 + f(x) x^2 - 3 f(x) x - 3 x^2 + f(x) + 2 x - 1)$$

Sequence: A100227
Score: 6.99062

Type of gen. func.: ogf

$$\{-a(n+3) + 3\,a(n+2) - a(n+1) - a(n),\ a(0) = 1,\ a(1) = 1,\ a(2) = 5\}$$

Sequence: A100228
Score: 12.2551
Type of gen. func.: ogf

$$-f(x)^2 + 3\,f(x)\,x + x^2 + f(x) - x$$

Sequence: A100228
Score: 3.80331
Type of gen. func.: ogf

$$\{(65\,n^2 - 65\,n)\,a(n) + (-3\,n^2 - 21\,n)\,a(n+1) + (3\,n^2 + 3\,n - 6)\,a(n+2) + (-n^2 - 5\,n - 6)\,a(n+3),\ a(0) = 1,\ a(1) = 2,\ a(2) = 3\}$$

Sequence: A100228
Score: 9.26534
Type of gen. func.: lgdogf

$$\frac{-5\,x + 1 + 2\,x\,(13\,x^2 + 2\,x + 1)^{1/2} - (13\,x^2 + 2\,x + 1)^{1/2}}{2\,(13\,x^2 + 2\,x + 1)^{1/2}\,(x - 1)\,x}$$

Sequence: A100230
Score: 10.3541
Type of gen. func.: lgdogf

$$-\frac{4\,x^4 - 4\,x^3 + 15\,x^2 - 4\,x - 2}{(x - 1)\,(4\,x^2 - 2\,x + 1)\,(x^2 + 3\,x - 1)}$$

Sequence: A100230
Score: 10.3954
Type of gen. func.: ogf

$$\frac{4 x^2 - 2 x + 1}{(x - 1) (x^2 + 3 x - 1)}$$

Sequence: A100230
Score: 5.41982
Type of gen. func.: ogf

$$-(13 f(x) - 48) (f(x) x^3 + 2 f(x) x^2 - 4 f(x) x - 4 x^2 + f(x) + 2 x - 1)$$

Sequence: A100230
Score: 5.61167
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 2 a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 10\}$$

Sequence: A100231
Score: 12.1652
Type of gen. func.: ogf

$$-f(x)^2 + 4 f(x) x + x^2 + f(x) - x$$

Sequence: A100231
Score: 3.72042
Type of gen. func.: ogf

$$\{(-120 n^2 + 120 n) a(n) + (-4 n^2 + 28 n) a(n + 1) + (-2 n^2 + 2 n + 12) a(n + 2) + (n^2 + 5 n + 6) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 4\}$$

Sequence: A100231
Score: 9.23058
Type of gen. func.: lgdogf

$$\frac{-6 x + 1 + 2 (20 x^2 + 4 x + 1)^{1/2} x - (20 x^2 + 4 x + 1)^{1/2}}{2 (x - 1) (20 x^2 + 4 x + 1)^{1/2} x}$$

Sequence: A100233
Score: 10.0858
Type of gen. func.: lgdogf

$$-\frac{5x^4-4x^3+22x^2-4x-3}{(x-1)(5x^2-2x+1)(x^2+4x-1)}$$

Sequence: A100233
Score: 12.1368
Type of gen. func.: ogf

$$\frac{5x^2-2x+1}{(x-1)(x^2+4x-1)}$$

Sequence: A100233
Score: 6.43775
Type of gen. func.: ogf

$$(145 f(x) - 321) (f(x) x^3 + 3 f(x) x^2 - 5 f(x) x - 5 x^2 + f(x) + 2 x - 1)$$

Sequence: A100233
Score: 6.55170
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 3 a(n + 1) - a(n), a(0) = 1, a(1) = 3, a(2) = 17\}$$

Sequence: A100234
Score: 11.6878
Type of gen. func.: ogf

$$-f(x)^2 + 5 f(x) x + x^2 + f(x) - x$$

Sequence: A100234
Score: 3.55715

Type of gen. func.: ogf

$$\{(-203 n^2 + 203 n) a(n) + (-13 n^2 + 37 n) a(n + 1) + (-n^2 + 7 n + 18) a(n + 2) + (n^2 + 5 n + 6) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 5\}$$

Sequence: A100236
Score: 4.75867
Type of gen. func.: ogf

$$-(493 f(x) - 877) (f(x) x^3 + 4 f(x) x^2 - 6 f(x) x - 6 x^2 + f(x) + 2 x - 1)$$

Sequence: A100236
Score: 5.01134
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 4 a(n + 1) - a(n), a(0) = 1, a(1) = 4, a(2) = 26\}$$

Sequence: A100236
Score: 9.23504
Type of gen. func.: lgdogf

$$-\frac{6 x^4 - 4 x^3 + 31 x^2 - 4 x - 4}{(x - 1) (6 x^2 - 2 x + 1) (x^2 + 5 x - 1)}$$

Sequence: A100236
Score: 9.28330
Type of gen. func.: ogf

$$\frac{6 x^2 - 2 x + 1}{(x - 1) (x^2 + 5 x - 1)}$$

Sequence: A100237
Score: 15.5345
Type of gen. func.: revogf

$$\frac{-1 - 5 x + (29 x^2 + 6 x + 1)^{1/2}}{2 (x - 1)}$$

Sequence: A100237
Score: 16.5965
Type of gen. func.: ogf

$$\frac{x - 1}{x^2 + 5 x - 1}$$

Sequence: A100237
Score: 19.5433
Type of gen. func.: lgdogf

$$- \frac{x^2 - 2 x - 4}{(x - 1) (x^2 + 5 x - 1)}$$

Sequence: A100237
Score: 8.29825
Type of gen. func.: ogf

$$-(11 f(x) - 3) (f(x) x^2 + 5 f(x) x - f(x) - x + 1)$$

Sequence: A100237
Score: 9.10783
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A100238
Score: 12.513
Type of gen. func.: ogf

$$-f(x)^2 + 2 f(x) x - 2 x^2 + f(x)$$

Sequence: A100238
Score: 5.19907
Type of gen. func.: ogf

$\{(-4 n + 4) a(n) + (4 n + 2) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 2, a(2) = -2\}$

Sequence: A100239
Score: 12.4936
Type of gen. func.: ogf

$$-f(x)^2 + 3 f(x) x - 3 x^2 + f(x)$$

Sequence: A100239
Score: 5.19101
Type of gen. func.: ogf

$\{(3 n - 3) a(n) + (-6 n - 3) a(n + 1) + (-2 - n) a(n + 2), a(0) = 1, a(1) = 3, a(2) = -3\}$

Sequence: A100240
Score: 14.5503
Type of gen. func.: ogf

$$-x^2 + 2 x - 1 - 4 f(x) x + f(x)^2$$

Sequence: A100240
Score: 15.3800
Type of gen. func.: lgdogf

$$-\frac{-1 + 2 x - 5 x^2 + 2 (5 x^2 - 2 x + 1)^{1/2}}{(x - 1) (5 x^2 - 2 x + 1)}$$

Sequence: A100240
Score: 4.12622
Type of gen. func.: ogf

$$\{(5 n^2 - 5 n) a(n) + (-7 n^2 - 11 n) a(n + 1) + (3 n^2 + 9 n + 6) a(n + 2) + (-n^2 - 5 n - 6) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A100242
Score: 11.5702
Type of gen. func.: lgdogf

$$-\frac{2 (x^4 + 50 x^3 + 180 x^2 + 116 x + 13)}{(x - 1) (x^4 + 32 x^3 + 66 x^2 + 20 x + 1)}$$

Sequence: A100242
Score: 6.86904
Type of gen. func.: ogf

$$\frac{x (x^4 + 32 x^3 + 66 x^2 + 20 x + 1)}{(x - 1)^6}$$

Sequence: A100244
Score: 5.11943
Type of gen. func.: lgdogf

$$(20 x^{21} - 21 x^{20} - 18 x^{19} + 36 x^{18} - 18 x^{17} - 15 x^{16} + 16 x^{15} + 5 x^6 - 6 x^5 - 3 x^4 + 6 x^3 - 3 x^2 + 2) / ((x - 1) (x^{21} - x^{19} + x^{18} - x^{16} + x^6 - x^4 + x^3 - x - 1))$$

Sequence: A100244
Score: 7.25238
Type of gen. func.: ogf

$$\frac{x^{21} - x^{19} + x^{18} - x^{16} + x^6 - x^4 + x^3 - x - 1}{x - 1}$$

Sequence: A100255
Score: 12.9965
Type of gen. func.: lgdogf

$$-\frac{8x^3 + 99x^2 + 138x + 25}{(x-1)(4x^3 + 29x^2 + 20x + 1)}$$

Sequence: A100255
Score: 3.50111
Type of gen. func.: ogf

$$\{(-438n^2 - 1786n - 1820)a(n+1) + (711n^2 + 2082n + 4796)a(n+2)$$
$$+ (-273n^2 - 956n - 820)a(n+3), a(0) = 0, a(1) = 1, a(2) = 25\}$$

Sequence: A100255
Score: 7.37868
Type of gen. func.: ogf

$$-\frac{x(4x^3 + 29x^2 + 20x + 1)}{(x-1)^5}$$

Sequence: A100256
Score: 13.5857
Type of gen. func.: lgdogf

$$-\frac{2x^3 + 63x^2 + 156x + 49}{(x-1)(x^3 + 20x^2 + 29x + 4)}$$

Sequence: A100256
Score: 3.48324
Type of gen. func.: ogf

$$\{(-273n^2 - 1228n - 1364)a(n+1) + (711n^2 + 3606n + 7844)a(n+2)$$

$+ (-438 n^2 - 1718 n - 1684) a(n + 3), a(0) = 0, a(1) = 4, a(2) = 49\}$

Sequence: A100256
Score: 7.41594
Type of gen. func.: ogf

$$-\frac{x (x^3 + 20 x^2 + 29 x + 4)}{(x - 1)^5}$$

Sequence: A100261
Score: 6.82471
Type of gen. func.: ogf

$$-\frac{x^{11} - x^{10} + 2 x^9 - 2 x^8 + x^7 - 8 x^6 - x^5 - 2 x^4 - 2 x^3 - x^2 - x - 4}{(x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2}$$

Sequence: A100284
Score: 10.2289
Type of gen. func.: ogf

$$-\frac{x^2 + 4 x - 1}{(x - 1) (5 x - 1) (x + 1)}$$

Sequence: A100284
Score: 10.9182
Type of gen. func.: lgdogf

$$-\frac{5 x^4 + 40 x^3 - 14 x^2 + 1}{(x - 1) (5 x - 1) (x + 1) (x^2 + 4 x - 1)}$$

Sequence: A100284
Score: 5.42577
Type of gen. func.: ogf

$$-(8 f(x) - 3) (5 f(x) x^3 - f(x) x^2 - 5 f(x) x + x^2 + f(x) + 4 x - 1)$$

Sequence: A100284
Score: 5.57110
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) - a(n + 1) + 5 a(n), a(0) = 1, a(1) = 1, a(2) = 5\}$$

Sequence: A100285
Score: 14.4468
Type of gen. func.: ogf

$$-\frac{5 x^2 + 1}{(x^2 + 1) (x - 1)}$$

Sequence: A100285
Score: 18.3060
Type of gen. func.: lgdogf

$$-\frac{5 x^4 - 2 x^2 + 8 x + 1}{(x - 1) (5 x^2 + 1) (x^2 + 1)}$$

Sequence: A100285
Score: 7.35237
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 1, a(2) = 5\}$$

Sequence: A100285
Score: 9.68783
Type of gen. func.: ogf

$$f(x) x^3 - f(x) x^2 + f(x) x + 5 x^2 - f(x) + 1$$

Sequence: A100286
Score: 7.73563
Type of gen. func.: ogf

$$-\frac{2x^4 - 2x^3 + 2x^2 + 1}{(x-1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A100286
Score: 8.94962
Type of gen. func.: lgdogf

$$-\frac{2x^8 - 4x^7 + 6x^6 - x^4 + 8x^3 - 5x^2 + 2x + 1}{(x-1)(x^2+x+1)(x^2-x+1)(2x^4 - 2x^3 + 2x^2 + 1)}$$

Sequence: A100295
Score: 14.0902
Type of gen. func.: ogf

$$-\frac{x-1}{x^3 - 2x^2 - 4x + 1}$$

Sequence: A100295
Score: 16.3090
Type of gen. func.: lgdogf

$$-\frac{2x^3 - 5x^2 + 4x + 3}{(x-1)(x^3 - 2x^2 - 4x + 1)}$$

Sequence: A100295
Score: 6.60867
Type of gen. func.: ogf

$\{-a(n+3) + 4\,a(n+2) + 2\,a(n+1) - a(n),\ a(0) = 1,\ a(1) = 3,\ a(2) = 14\}$

Sequence: A100295

Score: 7.04509
Type of gen. func.: ogf

$$(807 f(x) - 79) (f(x) x^3 - 2 f(x) x^2 - 4 f(x) x + f(x) + x - 1)$$

Sequence: A100296
Score: 12.4534
Type of gen. func.: ogf

$$-\frac{x^2 - 2 x - 1}{x^3 - 2 x^2 - 4 x + 1}$$

Sequence: A100296
Score: 13.8293
Type of gen. func.: lgdogf

$$-\frac{x^4 - 4 x^3 + 5 x^2 + 2 x + 6}{(x^2 - 2 x - 1) (x^3 - 2 x^2 - 4 x + 1)}$$

Sequence: A100296
Score: 6.54875
Type of gen. func.: ogf

$$(6439 f(x) + 654) (f(x) x^3 - 2 f(x) x^2 - 4 f(x) x + x^2 + f(x) - 2 x - 1)$$

Sequence: A100296
Score: 6.72262
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 1, a(1) = 6, a(2) = 25\}$$

Sequence: A100297
Score: 10.5816
Type of gen. func.: ogf

$$x^2 - 11 x + 1$$

$$-\frac{}{x^{3}-14 x^{2}+17 x-1}$$

Sequence: A100297
Score: 5.41777
Type of gen. func.: ogf

$$(4901815 f(x) + 324714)$$

$$(f(x) x^{3} - 14 f(x) x^{2} + 17 f(x) x + x^{2} - f(x) - 11 x + 1)$$

Sequence: A100297
Score: 5.88888
Type of gen. func.: ogf

$$\{-a(n + 3) + 17 a(n + 2) - 14 a(n + 1) + a(n), a(0) = 1, a(1) = 6, a(2) = 89\}$$

Sequence: A100299
Score: 5.88333
Type of gen. func.: ogf

$$4 f(x)^{2} x^{4} + 8 f(x)^{2} x^{3} + 4 f(x)^{2} x^{2} + 7 f(x) x^{3} + 9 f(x) x^{2} + f(x) x + 3 x^{2}$$

$$- f(x) + 2 x$$

Sequence: A100300
Score: 10.9190
Type of gen. func.: lgdogf

$$-\frac{2 (x^{2} - 6 x + 1)^{1/2} x + (x^{2} - 6 x + 1)^{1/2} - 1 + x^{2}}{(x + 1) x (x^{2} - 6 x + 1)^{1/2}}$$

Sequence: A100300
Score: 6.26748
Type of gen. func.: ogf

$$4 f(x)^{2} x^{4} + 8 f(x)^{2} x^{3} + 4 f(x)^{2} x^{2} - f(x) x^{3} + f(x) x^{2} + f(x) x - f(x) + 1$$

Sequence: A100302
Score: 10.3618
Type of gen. func.: ogf

$$-\frac{(2x+1)(3x-1)}{(x-1)(8x^2+x-1)}$$

Sequence: A100302
Score: 5.64349
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) - 7 a(n + 1) + 8 a(n), a(0) = 1, a(1) = 1, a(2) = 3}

Sequence: A100302
Score: 7.1555
Type of gen. func.: ogf

$$(f(x)-10)(8f(x)x^3-7f(x)x^2-2f(x)x+6x^2+f(x)+x-1)$$

Sequence: A100302
Score: 9.67248
Type of gen. func.: lgdogf

$$-\frac{48x^4+16x^3-19x^2+2x+1}{(x-1)(3x-1)(2x+1)(8x^2+x-1)}$$

Sequence: A100303
Score: 11.4298
Type of gen. func.: ogf

$$8f(x)x^2+f(x)x-4x^2-f(x)-x+1$$

Sequence: A100303
Score: 11.9874
Type of gen. func.: ogf

$$\frac{4 x^2 + x - 1}{8 x^2 + x - 1}$$

Sequence: A100303
Score: 17.8730
Type of gen. func.: lgdogf

$$- \frac{4 x (x - 2)}{(4 x^2 + x - 1) (8 x^2 + x - 1)}$$

Sequence: A100303
Score: 6.29040
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 8 a(n + 1), a(0) = 1, a(1) = 0, a(2) = 4\}$$

Sequence: A100304
Score: 11.0978
Type of gen. func.: ogf

$$8 f(x) x^2 + f(x) x - 6 x^2 - f(x) - x + 1$$

Sequence: A100304
Score: 12.6859
Type of gen. func.: ogf

$$\frac{(2 x + 1) (3 x - 1)}{8 x^2 + x - 1}$$

Sequence: A100304
Score: 16.9863
Type of gen. func.: lgdogf

$$- \frac{2 x (x - 2)}{(3 x - 1) (2 x + 1) (8 x^2 + x - 1)}$$

Sequence: A100304
Score: 6.65694
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 8 a(n + 1), a(0) = 1, a(1) = 0, a(2) = 2\}$$

Sequence: A100305
Score: 10.7357
Type of gen. func.: ogf

$$-\frac{4 x^2 + x - 1}{(x - 1) (8 x^2 + x - 1)}$$

Sequence: A100305
Score: 10.8787
Type of gen. func.: lgdogf

$$-\frac{32 x^4 + 16 x^3 - 23 x^2 + 6 x + 1}{(x - 1) (4 x^2 + x - 1) (8 x^2 + x - 1)}$$

Sequence: A100305
Score: 5.84712
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 7 a(n + 1) + 8 a(n), a(0) = 1, a(1) = 1, a(2) = 5\}$$

Sequence: A100305
Score: 7.7731
Type of gen. func.: ogf

$$-f(x) (8 f(x) x^3 - 7 f(x) x^2 - 2 f(x) x + 4 x^2 + f(x) + x - 1)$$

Sequence: A100312
Score: 23.6281

Type of gen. func.: lgdogf

$$-\frac{2(x-2)}{(2x-1)(x-1)}$$

Sequence: A100312
Score: 4.79447
Type of gen. func.: ogf

{a(n + 3) - 6 a(n + 2) + 12 a(n + 1) - 8 a(n), a(0) = 8, a(1) = 32, a(2) = 104}

Sequence: A100312
Score: 6.73459
Type of gen. func.: ogf

$$(5 f(x) - 29) (8 f(x) x^3 - 12 f(x) x^2 + 6 f(x) x - 4 x^2 - f(x) + 2 x + 1)$$

Sequence: A100312
Score: 8.82792
Type of gen. func.: ogf

$$-\frac{8(x-1)^2}{(2x-1)^3}$$

Sequence: A100313
Score: 24.7888
Type of gen. func.: lgdogf

$$-\frac{2(-3+2x)}{(2x-1)(x-1)}$$

Sequence: A100313
Score: 4.08021
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-12 - 3 n) a(n + 2) + (6 + 2 n) a(n + 1), a(0) = 16,

a(1) = 96, a(2) = 400}

Sequence: A100313
Score: 4.82681
Type of gen. func.: ogf

$$(134 f(x) + 1659) (16 f(x) x^4 - 32 f(x) x^3 - 16 x^4 + 24 f(x) x^2 + 16 x^3 - 8 f(x) x + 8 x^2 + f(x) - 8 x - 1)$$

Sequence: A100313
Score: 8.43243
Type of gen. func.: ogf

$$\frac{16 (x - 1)^2}{(2 x - 1)^4}$$

Sequence: A100314
Score: 10.5939
Type of gen. func.: ogf

$$- \frac{2 (x^2 - 4 x + 2)}{(2 x - 1) (x - 1)^2}$$

Sequence: A100314
Score: 13.1796
Type of gen. func.: lgdogf

$$- \frac{2 (x^3 - 7 x^2 + 7 x - 2)}{(x - 1) (2 x - 1) (x^2 - 4 x + 2)}$$

Sequence: A100314
Score: 5.71883
Type of gen. func.: ogf

{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 4, a(1) = 8, a(2) = 14}

Sequence: A100314
Score: 7.34658
Type of gen. func.: ogf

$$(f(x) - 33)\,(2\,f(x)\,x^3 - 5\,f(x)\,x^2 + 4\,f(x)\,x - 3\,x^2 - f(x) + 1)$$

Sequence: A100315
Score: 12.6325
Type of gen. func.: ogf

$$-\frac{2\,(3\,x^2 - 9\,x + 4)}{(2\,x - 1)\,(x - 1)^2}$$

Sequence: A100315
Score: 14.7929
Type of gen. func.: lgdogf

$$-\frac{6\,x^3 - 30\,x^2 + 27\,x - 7}{(x - 1)\,(2\,x - 1)\,(3\,x^2 - 9\,x + 4)}$$

Sequence: A100315
Score: 6.53244
Type of gen. func.: ogf

$$(8\,f(x) - 223)$$

$$(2\,f(x)\,x^3 - 5\,f(x)\,x^2 + 4\,x^3 + 4\,f(x)\,x - 13\,x^2 - f(x) + 4\,x + 1)$$

Sequence: A100315
Score: 6.87033
Type of gen. func.: ogf

$$\{a(n + 3) - 4\,a(n + 2) + 5\,a(n + 1) - 2\,a(n),\ a(0) = 8,\ a(1) = 14,\ a(2) = 22\}$$

Sequence: A100316
Score: 12.3470
Type of gen. func.: ogf

$$-\frac{2\,(9\,x^2 - 20\,x + 8)}{(2\,x - 1)\,(x - 1)^2}$$

Sequence: A100316
Score: 14.1132
Type of gen. func.: lgdogf

$$-\frac{2\,(9\,x^3 - 31\,x^2 + 25\,x - 6)}{(x - 1)\,(2\,x - 1)\,(9\,x^2 - 20\,x + 8)}$$

Sequence: A100316
Score: 6.33079
Type of gen. func.: ogf

$$-(3\,f(x) - 83)$$

$$(2\,f(x)\,x^3 - 5\,f(x)\,x^2 + 16\,x^3 + 4\,f(x)\,x - 35\,x^2 - f(x) + 12\,x + 1)$$

Sequence: A100316
Score: 6.87140
Type of gen. func.: ogf

$$\{a(n + 3) - 4\,a(n + 2) + 5\,a(n + 1) - 2\,a(n),\ a(0) = 16,\ a(1) = 24,\ a(2) = 34\}$$

Sequence: A100320
Score: 16.4915
Type of gen. func.: lgdogf

$$-\frac{4\,(2 + (1 - 4\,x)^{1/2})}{(4\,x + 3)\,(4\,x - 1)}$$

Sequence: A100320
Score: 6.48852

Type of gen. func.: ogf

$$\{(-4 n - 2) a(n) + (n + 1) a(n + 1), a(0) = 1, a(1) = 4\}$$

Sequence: A100320
Score: 8.08959
Type of gen. func.: ogf

$$-4 f(x)^2 x + f(x)^2 - 8 f(x) x + 2 f(x) - 4 x - 3$$

Sequence: A100321
Score: 11.9451
Type of gen. func.: ogf

$$- \frac{3 x^3 - 3 x - 1}{(2 x + 1) (x - 1) (x^2 - x - 1)}$$

Sequence: A100321
Score: 12.2647
Type of gen. func.: lgdogf

$$- \frac{6 x^6 - 12 x^4 - 2 x^3 + 6 x^2 + 4 x + 1}{(x - 1) (2 x + 1) (x^2 - x - 1) (3 x^3 - 3 x - 1)}$$

Sequence: A100321
Score: 6.34007
Type of gen. func.: ogf

$$(f(x) - 13)$$

$$(2 f(x) x^4 - 3 f(x) x^3 - 2 f(x) x^2 + 3 x^3 + 2 f(x) x + f(x) - 3 x - 1)$$

Sequence: A100325
Score: 3.58953
Type of gen. func.: ogf

3   3   3   2   3   2   2   3   2

$$-5 f(x) \; x + 8 f(x) \; x - 5 f(x) \; x - 14 f(x) \; x + f(x) + 16 f(x) \; x$$

$$- 5 f(x)^2 - 13 f(x) x + 8 f(x) - 4$$

Sequence: A100327
Score: 26.8259
Type of gen. func.: revogf

$$\frac{(1 - x + (1 - 4 x)^{1/2}) x}{2 + x}$$

Sequence: A100327
Score: 9.56937
Type of gen. func.: ogf

$$-f(x)^3 x - 2 f(x)^2 x - f(x) x + 2 f(x) - 2$$

Sequence: A100328
Score: 12.9392
Type of gen. func.: revogf

$$- \frac{2 (4 x + 1)^{1/2} + 2 (4 x + 1)^{1/2} x - 2 - 6 x - x^2}{x}$$

Sequence: A100328
Score: 5.55492
Type of gen. func.: ogf

$$f(x)^3 x^2 - 2 f(x)^2 x^2 - 4 f(x)^2 x + f(x) x^2 - 12 f(x) x + 4 f(x) - 4$$

Sequence: A100329
Score: 13.3682
Type of gen. func.: lgdogf

$a(n + 4) + a(n + 3) + a(n + 2) + a(n + 1) - a(n)$, $a(0) = -1$, $a(1) = -1$,

$a(2) = -1$, $a(3) = 7$

Sequence: A100329
Score: 14.6887
Type of gen. func.: ogf

$$-\frac{x}{x^4 - x^3 - x^2 - x - 1}$$

Sequence: A100329
Score: 6.4339
Type of gen. func.: ogf

$$-(3 f(x) - 1) (f(x) x^4 - f(x) x^3 - f(x) x^2 - f(x) x - f(x) + x)$$

Sequence: A100334
Score: 13.6064
Type of gen. func.: ogf

$$-\frac{x (x - 1)}{x^4 - 2 x^3 + 4 x^2 - 3 x + 1}$$

Sequence: A100334
Score: 17.0610
Type of gen. func.: lgdogf

$$-\frac{3 x^4 - 8 x^3 + 10 x^2 - 8 x + 2}{(x - 1) (x^4 - 2 x^3 + 4 x^2 - 3 x + 1)}$$

Sequence: A100334
Score: 8.58656
Type of gen. func.: ogf

$$-f(x) x^4 + 2 f(x) x^3 - 4 f(x) x^2 + 3 f(x) x - x^2 - f(x) + x$$

Sequence: A100335

Score: 10.3082
Type of gen. func.: ogf

$$-\frac{x (x - 1)}{(x^2 - x + 1) (2 x - 1)^2}$$

Sequence: A100335
Score: 13.7465
Type of gen. func.: lgdogf

$$-\frac{6 x^3 - 13 x^2 + 10 x - 4}{(x - 1) (2 x - 1) (x^2 - x + 1)}$$

Sequence: A100335
Score: 5.31775
Type of gen. func.: ogf

$$(7 f(x) + 11) (4 f(x) x^4 - 8 f(x) x^3 + 9 f(x) x^2 - 5 f(x) x + x^2 + f(x) - x)$$

Sequence: A100381
Score: 14.7052
Type of gen. func.: ogf

$$-\frac{4 x^2}{(2 x - 1)^3}$$

Sequence: A100381
Score: 6.09403
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 12 a(n + 1) - 8 a(n), a(0) = 0, a(1) = 0, a(2) = 4\}$$

Sequence: A100381
Score: 66.9772
Type of gen. func.: lgdogf

$$-\frac{6}{2 x - 1}$$

Sequence: A100381
Score: 8.24924
Type of gen. func.: ogf

$$8 f(x) x^{3} - 12 f(x) x^{2} + 6 f(x) x + 4 x^{2} - f(x)$$

Sequence: A100401
Score: 11.8011
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A100401
Score: 12.548
Type of gen. func.: ogf

$$-(5 f(x) - 2) (f(x) x + 6 x^{2} - f(x) + 2 x + 1)$$

Sequence: A100401
Score: 22.0287
Type of gen. func.: ogf

$$-\frac{6 x^{2} + 2 x + 1}{x - 1}$$

Sequence: A100401
Score: 27.0188
Type of gen. func.: lgdogf

$$\frac{3 (2 x^{2} - 4 x - 1)}{(x - 1) (6 x^{2} + 2 x + 1)}$$

Sequence: A100402
Score: 12.0889
Type of gen. func.: ogf

$$-(29 f(x) + 186) (f(x) x^3 + 7 x^2 - f(x) + 4 x + 1)$$

Sequence: A100402
Score: 13.0433
Type of gen. func.: ogf

$$\{a(n + 3) - a(n), a(0) = 1, a(1) = 4, a(2) = 7\}$$

Sequence: A100402
Score: 17.0645
Type of gen. func.: lgdogf

$$-\frac{7 x^4 + 8 x^3 + 3 x^2 + 14 x + 4}{(x - 1) (x^2 + x + 1) (7 x^2 + 4 x + 1)}$$

Sequence: A100402
Score: 20.2305
Type of gen. func.: ogf

$$-\frac{7 x^2 + 4 x + 1}{(x - 1) (x^2 + x + 1)}$$

Sequence: A100403
Score: 11.8011
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2), a(0) = 1, a(1) = 6, a(2) = 9\}$$

Sequence: A100403
Score: 12.548
Type of gen. func.: ogf

2

$$-(f(x) - 1) (f(x) x + 3 x - f(x) + 5 x + 1)$$

Sequence: A100403
Score: 22.0287
Type of gen. func.: ogf

$$-\frac{3 x^2 + 5 x + 1}{x - 1}$$

Sequence: A100403
Score: 28.6082
Type of gen. func.: lgdogf

$$\frac{3 (x^2 - 2 x - 2)}{(x - 1) (3 x^2 + 5 x + 1)}$$

Sequence: A100404
Score: 16.0345
Type of gen. func.: egf]

$$\frac{x - 2}{x^2 + x - 1}$$

Sequence: A100404
Score: 8.2937
Type of gen. func.: egf]

$$(20 f(x) - 39) (f(x) x^2 + f(x) x - f(x) - x + 2)$$

Sequence: A100406
Score: 7.26329
Type of gen. func.: ogf

$$-\frac{9 x^8 + 18 x^7 + 174 x^6 + 9 x^5 + 157842 x^4 + 147 x^3 + 9 x^2 + 124875 x + 1}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A100412
Score: 11.0896
Type of gen. func.: revogf

$$-\frac{-73 - 11 x + (81 x^2 + 1566 x + 5329)^{1/2}}{20 (x + 1)}$$

Sequence: A100412
Score: 11.5615
Type of gen. func.: ogf

$$\frac{62 x + 1}{(10 x - 1) (x - 1)}$$

Sequence: A100412
Score: 11.8128
Type of gen. func.: lgdogf

$$-\frac{100 x^2 - 1460 x + 793}{(x - 1) (10 x - 73) (10 x - 1)}$$

Sequence: A100412
Score: 5.96722
Type of gen. func.: ogf

$$(783 f(x) + 4546) (10 f(x) x^2 - 11 f(x) x + f(x) - 62 x - 1)$$

Sequence: A100412
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 73\}$$

Sequence: A100413
Score: 10.5395

Type of gen. func.: revogf

$$-\frac{-52 - 11 x + (81 x^{2} + 1224 x + 2704)^{1/2}}{20 (x - 2)}$$

Sequence: A100413
Score: 10.9859
Type of gen. func.: ogf

$$\frac{4 (5 x + 13)}{(10 x - 1) (x - 1)}$$

Sequence: A100413
Score: 11.7106
Type of gen. func.: lgdogf

$$-\frac{2 (25 x^{2} + 130 x - 74)}{(x - 1) (5 x + 13) (10 x - 1)}$$

Sequence: A100413
Score: 5.72671
Type of gen. func.: ogf

$$(171 f(x) + 2060) (10 f(x) x^{2} - 11 f(x) x + f(x) - 20 x - 52)$$

Sequence: A100413
Score: 6.18747
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 52, a(1) = 592\}$$

Sequence: A100430
Score: 13.2744
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^{3} + 57 x^{2} + 85 x + 15)}{{}^{3} \qquad {}^{2}}$$

$$(x - 1) (3 x + 35 x + 25 x + 1)$$

Sequence: A100430
Score: 3.85703
Type of gen. func.: ogf

$$\{(-12 n^2 - 78 n - 126) a(n + 1) + (14 n^2 + 49 n + 72) a(n + 2) + (-2 n^2 - 11 n - 15) a(n + 3), a(0) = 1, a(1) = 30, a(2) = 175\}$$

Sequence: A100430
Score: 8.06076
Type of gen. func.: ogf

$$-\frac{3 x^3 + 35 x^2 + 25 x + 1}{(x - 1)^5}$$

Sequence: A100431
Score: 20.9675
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^2 + 12 x + 5)}{(x - 1) (2 x^2 + 5 x + 1)}$$

Sequence: A100431
Score: 3.91042
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (4 n + 2) a(n + 3) + (-30 - 3 n) a(n + 2) + (-8 - 2 n) a(n + 1), a(0) = 8, a(1) = 80, a(2) = 336, a(3) = 960\}$$

Sequence: A100431
Score: 9.75191
Type of gen. func.: ogf

$$8 (2 x^2 + 5 x + 1)$$

$$-\frac{}{(x - 1)^{5}}$$

Sequence: A100434
Score: 13.1030
Type of gen. func.: lgdogf

$$-\frac{2 (x^{5} + 6 x^{4} + 6 x^{3} + 12 x^{2} + 17 x - 2)}{(x + 3) (x + 1) (x^{4} + 6 x^{2} + 1)}$$

Sequence: A100434
Score: 13.4258
Type of gen. func.: ogf

$$\frac{(x + 3) (x + 1)}{x^{4} + 6 x^{2} + 1}$$

Sequence: A100434
Score: 7.57692
Type of gen. func.: ogf

$$(12134 f(x) - 11151) (f(x) x^{4} + 6 f(x) x^{2} - x^{2} + f(x) - 4 x - 3)$$

Sequence: A100444
Score: 3.20092
Type of gen. func.: ogf

$$\{(-4 n^{2} - 18 n - 18) a(n + 1) + (4 n^{2} + 26 n + 41) a(n + 2) - a(n + 3),$$

$$a(0) = 1, a(1) = 3, a(2) = 53\}$$

Sequence: A100445
Score: 2.82634
Type of gen. func.: ogf

$$\{(-4 n^{2} - 22 n - 28) a(n + 1) + (4 n^{2} + 30 n + 55) a(n + 2) - a(n + 3),$$

a(0) = 1, a(1) = 11, a(2) = 309}

Sequence: A100451
Score: 11.1353
Type of gen. func.: ogf

$$\frac{x^2 (2 x^4 - 4 x^3 + 7 x - 7)}{(x - 1)^3}$$

Sequence: A100451
Score: 16.6572
Type of gen. func.: lgdogf

$$\frac{2 (x^4 - 4 x^3 + 6 x^2 - 7 x + 7)}{(x - 1) (2 x^4 - 4 x^3 + 7 x - 7)}$$

Sequence: A100455
Score: 12.9493
Type of gen. func.: ogf

$$\frac{x^2 - x - 1}{(2 x - 1) (x^2 + 1)}$$

Sequence: A100455
Score: 15.5160
Type of gen. func.: lgdogf

$$- \frac{(x - 3) (2 x^3 + 2 x^2 - x + 1)}{(2 x - 1) (x^2 + 1) (x^2 - x - 1)}$$

Sequence: A100455
Score: 7.05272
Type of gen. func.: ogf

$$\{a(n+3) - 2\,a(n+2) + a(n+1) - 2\,a(n),\ a(0) = 1,\ a(1) = 3,\ a(2) = 4\}$$

Sequence: A100455
Score: 7.11626
Type of gen. func.: ogf

$$(9\,f(x) + 5)\,(2\,f(x)\,x^{3} - f(x)\,x^{2} + 2\,f(x)\,x - x^{2} - f(x) + x + 1)$$

Sequence: A100470
Score: 13.7165
Type of gen. func.: ogf

$$-\frac{x\,(x^{10} - x - 1)}{(x + 1)\,(x - 1)^{2}}$$

Sequence: A100470
Score: 16.2257
Type of gen. func.: lgdogf

$$\frac{7\,x^{11} - x^{10} - 10\,x^{9} + 2\,x^{2} + 4\,x + 2}{(x - 1)\,(x + 1)\,(x^{10} - x - 1)}$$

Sequence: A100477
Score: 10.7296
Type of gen. func.: ogf

$$\frac{x\,(x - 1)}{x^{3} + 2\,x^{2} + 3\,x - 1}$$

Sequence: A100477
Score: 13.9984
Type of gen. func.: lgdogf

```
           3    2
        2 x  - x  - 4 x - 2
  - -----------------------------
              3      2
```

$$(x - 1) (x + 2 x + 3 x - 1)$$

Sequence: A100477

Score: 5.50979

Type of gen. func.: ogf

$$-(2 f(x) + 1) (f(x) x^3 + 2 f(x) x^2 + 3 f(x) x - x^2 - f(x) + x)$$

Sequence: A100477

Score: 5.50979

Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + 2 a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A100503

Score: 10.4097

Type of gen. func.: ogf

$$\frac{2 x^3 + 5 x^2 + 1}{(x - 1)^4}$$

Sequence: A100503

Score: 17.7418

Type of gen. func.: lgdogf

$$-\frac{2 (x^3 + 8 x^2 + 5 x + 2)}{(x - 1) (2 x^3 + 5 x^2 + 1)}$$

Sequence: A100503

Score: 4.15251

Type of gen. func.: ogf

$$\{(-17 n^2 - 79 n - 90) a(n + 1) + (14 n^2 - 5 n - 102) a(n + 2)$$

$$+ (3 n^2 + 24 n + 45) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 15\}$$

Sequence: A100503
Score: 5.58757
Type of gen. func.: ogf

$$(88 f(x) + 159) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 2 x^3 - 4 f(x) x - 5 x^2 + f(x) - 1)$$

Sequence: A100504
Score: 11.8044
Type of gen. func.: ogf

$$\frac{2 (3 x^2 + 1)}{(x - 1)^4}$$

Sequence: A100504
Score: 23.5166
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^2 + 3 x + 2)}{(x - 1) (3 x^2 + 1)}$$

Sequence: A100504
Score: 4.03835
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-7 - n) a(n + 3) + 3 n a(n + 2) + (-3 n - 9) a(n + 1),$$
$$a(0) = 2, a(1) = 8, a(2) = 26, a(3) = 64\}$$

Sequence: A100504
Score: 5.94796
Type of gen. func.: ogf

$$(164 f(x) + 455) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 6 x^2 + f(x) - 2)$$

Sequence: A100510
Score: 3.94352
Type of gen. func.: ogf

$$\{(-4 n^2 - 18 n - 20) a(n + 1) + (4 n + 15) a(n + 2) - a(n + 3), a(0) = 2, a(1) = 14, a(2) = 142\}$$

Sequence: A100510
Score: 30.1215
Type of gen. func.: lgdegf]

$$-\frac{-7 + 6 x}{(2 x - 1)^2}$$

Sequence: A100511
Score: 15.4665
Type of gen. func.: lgdogf

$$\frac{2 (-12 x - 13 + 2 (1 - 4 x)^{1/2})}{(4 x + 3) (4 x - 1)}$$

Sequence: A100511
Score: 3.94149
Type of gen. func.: ogf

$$\{(-16 n^2 - 56 n - 48) a(n + 1) + (8 n^2 + 26 n + 18) a(n + 2) + (-n^2 - 3 n - 2) a(n + 3), a(0) = 0, a(1) = 3, a(2) = 22\}$$

Sequence: A100511
Score: 4.0782
Type of gen. func.: ogf

$$256 f(x)^2 x^4 - 256 f(x)^2 x^3 + 96 f(x)^2 x^2 - 64 f(x) x^3 - 16 f(x)^2 x + 32 f(x) x^2 + 4 x^3 + f(x)^2 - 4 f(x) x + 3 x^2$$

Sequence: A100525
Score: 15.4552
Type of gen. func.: ogf

$$-\frac{2\ (x - 2)}{x^2 - 6\ x + 1}$$

Sequence: A100525
Score: 15.4779
Type of gen. func.: revogf

$$-\frac{-2 - 3\ x + (8\ x^2 + 10\ x + 4)^{1/2}}{2 + x}$$

Sequence: A100525
Score: 17.9744
Type of gen. func.: lgdogf

$$-\frac{x^2 - 4\ x + 11}{(x - 2)\ (x^2 - 6\ x + 1)}$$

Sequence: A100525
Score: 7.72761
Type of gen. func.: ogf

$$-(31\ f(x) - 3)\ (f(x)\ x^2 - 6\ f(x)\ x + f(x) + 2\ x - 4)$$

Sequence: A100525
Score: 8.37933
Type of gen. func.: ogf

$$\{a(n + 2) - 6\ a(n + 1) + a(n),\ a(0) = 4,\ a(1) = 22\}$$

Sequence: A100530
Score: 10.5880
Type of gen. func.: lgdogf

$$-\frac{2x^6+13x^5+17x^4+18x^3+12x^2+13x+5}{(x-1)(x+1)(x^2+1)(x^3+4x^2+3x+2)}$$

Sequence: A100530
Score: 11.9186
Type of gen. func.: ogf

$$\frac{x(x^3+4x^2+3x+2)}{(x^2+1)(x+1)(x-1)^2}$$

Sequence: A100531
Score: 11.1794
Type of gen. func.: ogf

$$\frac{7x^4+6x^3+4x^2+2x+1}{(x^2+1)(x+1)(x-1)^2}$$

Sequence: A100531
Score: 8.79762
Type of gen. func.: lgdogf

$$-\frac{7x^7+19x^6+25x^5+25x^4+45x^3+25x^2+11x+3}{(x-1)(x+1)(x^2+1)(7x^4+6x^3+4x^2+2x+1)}$$

Sequence: A100532
Score: 11.0611
Type of gen. func.: lgdogf

$$-\frac{3x^6-6x^4-16x^3+2x^2-4x-3}{(x-1)(3x^2+3x+2)(x^4+x^3+x^2+x-1)}$$

Sequence: A100532
Score: 11.7481
Type of gen. func.: ogf

$$\frac{(x-1)\,(3\,x^{2}+3\,x+2)}{x^{4}+x^{3}+x^{2}+x-1}$$

Sequence: A100532
Score: 5.96044
Type of gen. func.: ogf

$$(5458\,f(x)-15239)$$

$$(f(x)\,x^{4}+f(x)\,x^{3}+f(x)\,x^{2}-3\,x^{3}+f(x)\,x-f(x)+x+2)$$

Sequence: A100536
Score: 13.5071
Type of gen. func.: ogf

$$\frac{2\,x^{2}-7\,x-1}{(x-1)^{3}}$$

Sequence: A100536
Score: 22.4592
Type of gen. func.: lgdogf

$$-\frac{2\,(x^{2}-5\,x-5)}{(x-1)\,(2\,x^{2}-7\,x-1)}$$

Sequence: A100536
Score: 7.16462
Type of gen. func.: ogf

$$(148\,f(x)-973)\,(f(x)\,x^{3}-3\,f(x)\,x^{2}+3\,f(x)\,x-2\,x^{2}-f(x)+7\,x+1)$$

Sequence: A100536
Score: 7.22747
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 10, a(2) = 25\}$$

Sequence: A100538
Score: 6.40044
Type of gen. func.: ogf

$$\frac{x^3 + x + 1}{(x - 1) (x^3 - 2 x^2 + 3 x - 1) (x^6 + 3 x^5 + 5 x^4 + 5 x^3 + 5 x^2 + 3 x + 1)}$$

Sequence: A100542
Score: 10.0860
Type of gen. func.: ogf

$$\frac{3 x^5 - 11 x^4 + 19 x^3 - 21 x^2 + 14 x - 5}{(x - 1)^3}$$

Sequence: A100542
Score: 11.4487
Type of gen. func.: lgdogf

$$\frac{6 x^5 - 26 x^4 + 44 x^3 - 36 x^2 + 14 x + 1}{(x - 1) (3 x^5 - 11 x^4 + 19 x^3 - 21 x^2 + 14 x - 5)}$$

Sequence: A100545
Score: 10.6572
Type of gen. func.: ogf

$$(43 f(x) + 60) (f(x) x^2 - 3 f(x) x + f(x) + 2 x - 7)$$

Sequence: A100545
Score: 11.1708

Type of gen. func.: ogf

$$\{-a(n+2)+3\,a(n+1)-a(n),\ a(0)=7,\ a(1)=19\}$$

Sequence: A100545
Score: 20.6039
Type of gen. func.: ogf

$$-\frac{2x-7}{x^2-3x+1}$$

Sequence: A100545
Score: 22.2791
Type of gen. func.: revogf

$$-\frac{-7-3x+(5x^2+34x+49)^{1/2}}{2\,(2+x)}$$

Sequence: A100545
Score: 25.3734
Type of gen. func.: lgdogf

$$-\frac{2x^2-14x+19}{(2x-7)\,(x^2-3x+1)}$$

Sequence: A100550
Score: 12.7118
Type of gen. func.: ogf

$$-\frac{x\,(x+1)}{3x^3+2x^2+x-1}$$

Sequence: A100550
Score: 15.8727
Type of gen. func.: lgdogf

$$-\frac{6x^{3}+11x^{2}+4x+2}{(x+1)(3x^{3}+2x^{2}+x-1)}$$

Sequence: A100550
Score: 6.52768
Type of gen. func.: ogf

$$\{a(n+3)-a(n+2)-2a(n+1)-3a(n),\ a(0)=0,\ a(1)=1,\ a(2)=2\}$$

Sequence: A100550
Score: 8.52437
Type of gen. func.: ogf

$$3f(x)x^{3}+2f(x)x^{2}+f(x)x+x^{2}-f(x)+x$$

Sequence: A100571
Score: 6.07293
Type of gen. func.: lgdogf

$$\frac{845x^{9}-3717x^{8}+6183x^{7}-4613x^{6}+1302x^{5}-x^{3}+5x^{2}-7x+27}{(x-1)(169x^{9}-549x^{8}+597x^{7}-217x^{6}+x^{3}-4x^{2}+5x-8)}$$

Sequence: A100571
Score: 6.24920
Type of gen. func.: ogf

$$-\frac{169x^{9}-549x^{8}+597x^{7}-217x^{6}+x^{3}-4x^{2}+5x-8}{(x-1)^{4}}$$

Sequence: A100575
Score: 15.3458
Type of gen. func.: ogf

$$-\frac{x^{2}}{\qquad}$$

$$(4x-1)(2x-1)^2$$

Sequence: A100575
Score: 24.2012
Type of gen. func.: lgdogf

$$-\frac{8(3x-1)}{(4x-1)(2x-1)}$$

Sequence: A100575
Score: 5.89170
Type of gen. func.: ogf

$$\{a(n+3) - 8a(n+2) + 20a(n+1) - 16a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A100575
Score: 7.95024
Type of gen. func.: ogf

$$16 f(x) x^3 - 20 f(x) x^2 + 8 f(x) x + x^2 - f(x)$$

Sequence: A100579
Score: 7.97967
Type of gen. func.: ogf

$$-\frac{x^8 + 2x^7 + 58x^6 + 17x^5 + 158x^4 + 49x^3 + 7x^2 + 125x + 1}{(x-1)(x^2+x+1)(x^6+x^3+1)}$$

Sequence: A100583
Score: 14.6648
Type of gen. func.: lgdogf

$$-\frac{6x^3 + 26x^2 + 29x + 11}{(x-1)(2x+1)(2+x)(x+1)}$$

Sequence: A100583
Score: 8.89520
Type of gen. func.: ogf

$$\frac{4 x (2 + x) (2 x + 1)}{(x + 1) (x - 1)^4}$$

Sequence: A100601
Score: 7.46689
Type of gen. func.: ogf

$$- \frac{5 x^8 + 11 x^7 + 333 x^6 + 100 x^5 + 1001 x^4 + 333 x^3 + 50 x^2 + 1001 x + 9}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A100606
Score: 14.1054
Type of gen. func.: lgdogf

$$- \frac{2 (x^3 - 15 x^2 - 33 x - 13)}{(x - 1) (x^3 - 11 x^2 - 11 x - 3)}$$

Sequence: A100606
Score: 3.72839
Type of gen. func.: ogf

$$\{(166 n^2 + 909 n + 1154) a(n + 1) + (-90 n^2 + 410 n + 1566) a(n + 2)$$

$$+ (-76 n^2 - 351 n - 398) a(n + 3), a(0) = 0, a(1) = 3, a(2) = 26\}$$

Sequence: A100606
Score: 7.69732
Type of gen. func.: ogf

$$\frac{x (x^3 - 11 x^2 - 11 x - 3)}{(x - 1)^5}$$

Sequence: A100622
Score: 20.4566
Type of gen. func.: lgdegf]

$$\frac{1 + (1 - 4 x)^{1/2}}{2 (1 - 4 x)^{1/2}}$$

Sequence: A100622
Score: 3.99979
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 1) + (4 n + 9) a(n + 2) + (-4 n - 11) a(n + 3) + a(n + 4),$$

$$a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 10\}$$

Sequence: A100638
Score: 9.09106
Type of gen. func.: ogf

$$- \frac{2 x^7 + 2 x^4 + 4 x^3 + 3 x^2 + 2 x + 1}{2 x^8 + 5 x^4 - 1}$$

Sequence: A100683
Score: 11.2728
Type of gen. func.: ogf

$$- \frac{x^2 + 3 x - 1}{x^3 + x^2 + x - 1}$$

Sequence: A100683
Score: 15.3878
Type of gen. func.: lgdogf

```
                 4      3    2
                x  + 6 x  - x  + 2
       - --------------------------------
            2              3    2
```

```
                         (x  + 3 x - 1) (x  + x  + x - 1)



------------------------------------------------------------------------------

Sequence:  A100683
Score: 6.13964
Type of gen. func.: ogf


     {a(n + 3) - a(n + 2) - a(n + 1) - a(n), a(0) = -1, a(1) = 2, a(2) = 2}



------------------------------------------------------------------------------

Sequence:  A100683
Score: 7.7263
Type of gen. func.: ogf


                      3         2             2
                f(x) x  + f(x) x  + f(x) x + x  - f(x) + 3 x - 1



------------------------------------------------------------------------------

Sequence:  A100684
Score: 11.4072
Type of gen. func.: ogf_with_Euler_transform]


                               7    3      2
                             -x  + x  - 2 x  - x - 2
                           - -----------------------
                                       4
                                     -x  + 1



------------------------------------------------------------------------------

Sequence:  A100691
Score: 10.4760
Type of gen. func.: lgdogf


                              6      4      3    2
                          2 (x  + 4 x  + 2 x  + x  - 2)
                 - --------------------------------------------
                             2        2             3
                   (x - 1) (x  + 1) (x  + x + 1) (x  + 2 x - 1)



------------------------------------------------------------------------------

Sequence:  A100691
Score: 4.61273
Type of gen. func.: ogf


(9 + 41 f(x))

           4         3    4           2    3                  2
    (f(x) x  - f(x) x  - x  + 2 f(x) x  - x  - 3 f(x) x - 2 x  + f(x) - x - 1)
```

Sequence: A100691
Score: 7.92306
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)(x^2 + 1)}{(x - 1)(x^3 + 2x - 1)}$$

Sequence: A100692
Score: 10.1952
Type of gen. func.: ogf

$$-\frac{(x + 1)(2x^5 + 2x^4 + 2x^3 + 2x^2 + 2x + 1)}{2x^4 - 1}$$

Sequence: A100692
Score: 7.94122
Type of gen. func.: lgdogf

$$\frac{8x^9 + 8x^8 - 8x^6 - 28x^5 - 38x^4 - 24x^3 - 12x^2 - 8x - 3}{(x + 1)(2x^4 - 1)(2x^5 + 2x^4 + 2x^3 + 2x^2 + 2x + 1)}$$

Sequence: A100693
Score: 7.18095
Type of gen. func.: ogf

$$-\frac{(2x^5 + 2x^4 + 2x^3 + 2x^2 + 2x + 1)(x^6 + x^5 - 2x^4 + x^3 + x^2 + 1)}{2x^4 - 1}$$

Sequence: A100702
Score: 11.8644
Type of gen. func.: ogf

$$-\frac{(x + 1)(2x - 1)}{(3x - 1)(x - 1)}$$

Sequence: A100702
Score: 13.6840
Type of gen. func.: lgdogf

$$- \frac{11 x^2 - 10 x + 3}{(x - 1) (3 x - 1) (2 x - 1) (x + 1)}$$

Sequence: A100702
Score: 6.16483
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 3 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 7\}$$

Sequence: A100702
Score: 6.4826
Type of gen. func.: ogf

$$-(2 f(x) + 7) (3 f(x) x^2 - 4 f(x) x + 2 x^2 + f(x) + x - 1)$$

Sequence: A100705
Score: 10.8440
Type of gen. func.: ogf

$$\frac{x^3 + 3 x^2 + x + 1}{(x - 1)^4}$$

Sequence: A100705
Score: 20.4985
Type of gen. func.: lgdogf

$$- \frac{x^3 + 9 x^2 + 9 x + 5}{(x - 1) (x^3 + 3 x^2 + x + 1)}$$

Sequence: A100705
Score: 4.39466
Type of gen. func.: ogf

$$\{(-49 n^2 - 237 n - 278) a(n + 1) + (26 n^2 - 136 n - 586) a(n + 2)$$

$$+ (23 n^2 + 157 n + 264) a(n + 3), a(0) = 1, a(1) = 5, a(2) = 17\}$$

Sequence: A100705
Score: 5.75853
Type of gen. func.: ogf

$$(35694 f(x) + 47845)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 3 x^2 + f(x) - x - 1)$$

Sequence: A100706
Score: 4.0732
Type of gen. func.: ogf

$$(11011 f(x) + 1310) (100 f(x) x^2 - 101 f(x) x + f(x) - 10 x - 1)$$

Sequence: A100706
Score: 4.48978
Type of gen. func.: ogf

$$\{-a(n + 2) + 101 a(n + 1) - 100 a(n), a(0) = 1, a(1) = 111\}$$

Sequence: A100706
Score: 7.55218
Type of gen. func.: revogf

$$- \frac{-1 - 101 x + (9801 x^2 + 242 x + 1)^{1/2}}{20 (10 x - 1)}$$

Sequence: A100706
Score: 7.90202
Type of gen. func.: ogf

$$\frac{10 x + 1}{(100 x - 1) (x - 1)}$$

Sequence: A100706
Score: 8.02419
Type of gen. func.: lgdogf

$$- \frac{1000 x^{2} + 200 x - 111}{(x - 1) (10 x + 1) (100 x - 1)}$$

Sequence: A100720
Score: 11.5030
Type of gen. func.: ogf

$$\frac{2 x^{3} - 2 x^{2} - x - 3}{(2 x - 1) (x^{2} + 1)}$$

Sequence: A100720
Score: 12.9954
Type of gen. func.: lgdogf

$$\frac{2 x^{4} + 12 x^{3} + 7 x^{2} - 2 x + 7}{(2 x - 1) (x^{2} + 1) (2 x^{3} - 2 x^{2} - x - 3)}$$

Sequence: A100720
Score: 5.92319
Type of gen. func.: ogf

$\{a(n + 4) - 2 a(n + 3) + a(n + 2) - 2 a(n + 1), a(0) = 3, a(1) = 7, a(2) = 13,$

$a(3) = 23\}$

Sequence: A100720
Score: 6.40086
Type of gen. func.: ogf

3 2 3 2

$(185 f(x) - 1827) (2 f(x) x - f(x) x - 2 x + 2 f(x) x + 2 x - f(x) + x + 3)$

Sequence: A100727
Score: 6.95066
Type of gen. func.: lgdogf

$$(2 x^{13} + x^{12} + 2 x^{10} - 4 x^9 - 6 x^8 + 4 x^7 + 4 x^6 + 6 x^5 - 2 x^4 - 4 x^3 - 6 x^2 - 4 x - 1) / ((x - 1) (x + 1) (x^2 + 1) (x^4 - x^2 - 1) (x^6 + x^5 + x^4 - x^3 - x^2 - x - 1))$$

Sequence: A100727
Score: 8.26889
Type of gen. func.: ogf

$$\frac{(x^4 - x^2 - 1) (x^6 + x^5 + x^4 - x^3 - x^2 - x - 1)}{(x - 1)^2 (x + 1)^2 (x^2 + 1)}$$

Sequence: A100747
Score: 15.2092
Type of gen. func.: ogf

$$- \frac{3 x + 1}{15 x^2 - 1}$$

Sequence: A100747
Score: 16.4757
Type of gen. func.: revogf

$$\frac{-1 + (60 x^2 + 12 x + 1)^{1/2}}{6 (1 + 5 x)}$$

Sequence: A100747
Score: 16.9210
Type of gen. func.: lgdogf

$$-\frac{3\,(15\,x^2+10\,x+1)}{(3\,x+1)\,(15\,x^2-1)}$$

Sequence: A100747
Score: 9.12555
Type of gen. func.: ogf

$$(40\,f(x)-31)\,(15\,f(x)\,x^2-f(x)+3\,x+1)$$

Sequence: A100747
Score: 9.82751
Type of gen. func.: ogf

$$\{-a(n+2)+15\,a(n),\ a(0)=1,\ a(1)=3\}$$

Sequence: A100764
Score: 14.7536
Type of gen. func.: ogf

$$\frac{(x+1)\,(2\,x^3+x^2-x+1)}{(x-1)^2}$$

Sequence: A100764
Score: 16.4956
Type of gen. func.: lgdogf

$$\frac{4\,x^4-5\,x^3-9\,x^2-2}{(x-1)\,(x+1)\,(2\,x^3+x^2-x+1)}$$

Sequence: A100764
Score: 8.16461
Type of gen. func.: ogf

4 2 3

$$-(48 f(x) + 25) (-2 x + f(x) x - 3 x - 2 f(x) x + f(x) - 1)$$

Sequence: A100774
Score: 11.2653
Type of gen. func.: ogf

$$-3 f(x) x^2 + 4 f(x) x - f(x) + 4 x$$

Sequence: A100774
Score: 17.9636
Type of gen. func.: ogf

$$\frac{4 x}{(3 x - 1) (x - 1)}$$

Sequence: A100774
Score: 19.8448
Type of gen. func.: revogf

$$- \frac{-2 - 2 x + (x^2 + 8 x + 4)^{1/2}}{3 x}$$

Sequence: A100774
Score: 26.1951
Type of gen. func.: lgdogf

$$- \frac{2 (3 x - 2)}{(3 x - 1) (x - 1)}$$

Sequence: A100774
Score: 8.20558
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + 3 a(n), a(0) = 0, a(1) = 4\}$$

Sequence: A100775
Score: 17.1496

Type of gen. func.: ogf

$$-\frac{4 x - 101}{(x - 1)^2}$$

Sequence: A100775
Score: 19.2901
Type of gen. func.: revogf

$$-\frac{-101 - 2 x + (10201 + 388 x)^{1/2}}{2 (4 + x)}$$

Sequence: A100775
Score: 28.2463
Type of gen. func.: lgdogf

$$-\frac{2 (-99 + 2 x)}{(x - 1) (4 x - 101)}$$

Sequence: A100775
Score: 8.8575
Type of gen. func.: ogf

$$(97 f(x) + 9805) (f(x) x^2 - 2 f(x) x + f(x) + 4 x - 101)$$

Sequence: A100775
Score: 9.37247
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 101, a(1) = 198\}$$

Sequence: A100776
Score: 14.7293
Type of gen. func.: ogf

$$-\frac{12 x - 1009}{(x - 1)^2}$$

Sequence: A100776
Score: 15.3808
Type of gen. func.: revogf

$$- \frac{-1009 - 2 x + (1018081 + 3988 x)^{1/2}}{2 (12 + x)}$$

Sequence: A100776
Score: 22.1098
Type of gen. func.: lgdogf

$$- \frac{2 (-1003 + 6 x)}{(x - 1) (12 x - 1009)}$$

Sequence: A100776
Score: 7.44057
Type of gen. func.: ogf

$$(997 f(x) + 1006045) (f(x) x^2 - 2 f(x) x + f(x) + 12 x - 1009)$$

Sequence: A100776
Score: 8.20155
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1009, a(1) = 2006\}$$

Sequence: A100779
Score: 7.07905
Type of gen. func.: lgdogf

$$- \frac{12 x^9 + 23 x^8 + 37 x^7 + 74 x^6 + 81 x^5 + 51 x^4 + 44 x^3 + 28 x^2 + 8 x + 2}{(x - 1) (x + 1) (3 x^6 + x^5 + 2 x^4 + 4 x^3 + x^2 + 1) (x^2 + x + 1)}$$

Sequence: A100779

Score: 7.88968
Type of gen. func.: ogf

$$-\frac{3x^6+x^5+2x^4+4x^3+x^2+1}{(x+1)(x^2+x+1)^2(x-1)^5}$$

Sequence: A100789
Score: 3.91145
Type of gen. func.: ogf

$$\frac{(x+1)(x^6+13x^5+149x^4+514x^3+149x^2+13x+1)}{(x-1)^8}$$

Sequence: A100790
Score: 10.2585
Type of gen. func.: lgdogf

$$-\frac{4x^4+56x^3+80x^2+31x+9}{(x-1)(2x^4+16x^3+8x^2+3x+1)}$$

Sequence: A100790
Score: 6.18694
Type of gen. func.: ogf

$$\frac{2x^4+16x^3+8x^2+3x+1}{(x-1)^6}$$

Sequence: A100828
Score: 4.76066
Type of gen. func.: ogf

$-(334 f(x) - 223)$

$$(f(x)\,x^4 + 2 f(x)\,x^3 - 2 f(x)\,x^2 + 2x^3 - 2 f(x)\,x + 3x^2 + f(x) - 2x - 1)$$

Sequence: A100828
Score: 8.67727
Type of gen. func.: lgdogf

```
                         6      5      4      3    2
                     2 (x  + 3 x  + 2 x  - 2 x  - x  - x + 2)
            - ------------------------------------------------------
                                2                3      2
              (x - 1) (x + 1) (x  + 2 x - 1) (2 x  + 3 x  - 2 x - 1)
```

Sequence: A100828
Score: 8.96488
Type of gen. func.: ogf

```
                                 3      2
                              2 x  + 3 x  - 2 x - 1
                        - ------------------------------
                                            2
                          (x - 1) (x + 1) (x  + 2 x - 1)
```

Sequence: A100830
Score: 10.0910
Type of gen. func.: ogf

```
                               10      9
                            9 x   - 8 x  - 9 x + 10
                  -------------------------------------------
                            2            6    3             2
                  (x + 1) (x  - x + 1) (x  - x  + 1) (x - 1)
```

Sequence: A100830
Score: 8.47110
Type of gen. func.: lgdogf

```
                  19      18        10        9        8
               9 x   - 7 x   - 162 x   + 328 x  - 162 x  - 9 x + 11
     - --------------------------------------------------------------------
                         2            6    3          10      9
       (x - 1) (x + 1) (x  - x + 1) (x  - x  + 1) (9 x   - 8 x  - 9 x + 10)
```

Sequence: A100832
Score: 12.7652
Type of gen. func.: ogf

```
                                          2
                              (3 x + 1) (x  - x - 1)
                            - ----------------------
                                                2
```

$$(x + 1) (x - 1)$$

Sequence: A100832
Score: 18.0021
Type of gen. func.: lgdogf

$$- \frac{x^3 - x^2 - 11 x - 5}{(x - 1) (3 x + 1) (x + 1) (x^2 - x - 1)}$$

Sequence: A100832
Score: 6.67270
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3) - a(n + 2) + a(n + 1), a(0) = 1, a(1) = 5, a(2) = 8, a(3) = 9\}$$

Sequence: A100832
Score: 6.88122
Type of gen. func.: ogf

$$-(160 f(x) + 2253) (f(x) x^3 - f(x) x^2 + 3 x^3 - f(x) x - 2 x^2 + f(x) - 4 x - 1)$$

Sequence: A100846
Score: 7.80744
Type of gen. func.: lgdogf

$$\frac{856800 x^{10} - 1827000 x^9 + 972000 x^8 - 1001 x + 1221}{(x - 1) (107100 x^{10} - 108000 x^9 + 1001 x - 1111)}$$

Sequence: A100846
Score: 9.28641
Type of gen. func.: ogf

$$- \frac{107100 x^{10} - 108000 x^9 + 1001 x - 1111}{(x - 1)^2}$$

Sequence: A100853
Score: 11.7385
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^6 - x^4 - x^3 - x^2 - 1}{-x^8 + 1}$$

Sequence: A100855
Score: 17.0809
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 27 x^2 + 24 x + 7}{(x - 1) (x^3 + 8 x^2 + 2 x + 1)}$$

Sequence: A100855
Score: 4.12763
Type of gen. func.: ogf

$$\{(-291 n^2 - 1325 n - 1486) a(n + 1) + (242 n^2 - 304 n - 1400) a(n + 2)$$

$$+ (49 n^2 + 269 n + 342) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 7\}$$

Sequence: A100855
Score: 8.75420
Type of gen. func.: ogf

$$-\frac{x (x^3 + 8 x^2 + 2 x + 1)}{(x - 1)^5}$$

Sequence: A100886
Score: 10.7523
Type of gen. func.: lgdogf

5 4 3 2

$$-\frac{4x + 13x + 16x + 9x + 6x + 3}{(2x+1)(x+1)(x^2+x+1)(x^2+x-1)}$$

Sequence: A100886
Score: 10.7546
Type of gen. func.: ogf

$$-\frac{x(x+1)(2x+1)}{(x^2+x+1)(x^2+x-1)}$$

Sequence: A100886
Score: 6.1839
Type of gen. func.: ogf

$$-(75 f(x) - 7)(f(x) x^4 + 2 f(x) x^3 + f(x) x^2 + 2 x^3 + 3 x^2 - f(x) + x)$$

Sequence: A100887
Score: 11.9179
Type of gen. func.: ogf

$$-\frac{2x^2 + 2x - 1}{(x^2+x+1)(x^2+x-1)}$$

Sequence: A100887
Score: 12.7881
Type of gen. func.: lgdogf

$$-\frac{2(2x+1)(x^4 + 2x^3 - x + 1)}{(x^2+x+1)(2x^2+2x-1)(x^2+x-1)}$$

Sequence: A100887
Score: 6.56496
Type of gen. func.: ogf

4 3 2 2

$$-(124 f(x) + 41) (f(x) x + 2 f(x) x + f(x) x + 2 x - f(x) + 2 x - 1)$$

Sequence: A100888
Score: 11.6962
Type of gen. func.: ogf

$$\frac{x^2 - x - 3}{(x^2 + x + 1) (x^2 + x - 1)}$$

Sequence: A100888
Score: 11.8366
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - x^4 - 16 x^3 - 19 x^2 - 4 x - 1}{(x^2 + x + 1) (x^2 + x - 1) (x^2 - x - 3)}$$

Sequence: A100888
Score: 6.55393
Type of gen. func.: ogf

$$(2598 f(x) - 305) (f(x) x^4 + 2 f(x) x^3 + f(x) x^2 - x^2 - f(x) + x + 3)$$

Sequence: A100896
Score: 7.72913
Type of gen. func.: lgdogf

$$\frac{2745900 x^{11} - 5804100 x^{10} + 3060000 x^9 - 2893 x + 3113}{(x - 1) (305100 x^{11} - 306000 x^{10} + 2893 x - 3003)}$$

Sequence: A100896
Score: 9.47156
Type of gen. func.: ogf

$$-\frac{305100 x^{11} - 306000 x^{10} + 2893 x - 3003}{}$$

$$(x - 1)^{2}$$

Sequence: A100897
Score: 7.01106
Type of gen. func.: lgdogf

$$\frac{6309900 x^{11} - 13328100 x^{10} + 7020000 x^{9} - 6897 x + 7117}{(x - 1) (701100 x^{11} - 702000 x^{10} + 6897 x - 7007)}$$

Sequence: A100897
Score: 8.69365
Type of gen. func.: ogf

$$- \frac{701100 x^{11} - 702000 x^{10} + 6897 x - 7007}{(x - 1)^{2}}$$

Sequence: A100910
Score: 30.9626
Type of gen. func.: ogf_with_Euler_transform]

$$[x^{10}]$$

Sequence: A100963
Score: 10.4081
Type of gen. func.: ogf

$$\frac{861 x^{17} + 91 x^{10} + 15 x^{6} + 3 x^{3} + 1}{(x - 1)^{2}}$$

Sequence: A100963
Score: 6.90128
Type of gen. func.: lgdogf

$$(12915 x^{17} - 14637 x^{16} + 728 x^{10} - 910 x^{9} + 60 x^{6} - 90 x^{5} + 3 x^{3} - 9 x^{2} - 2)$$

$$\Big/ \left((x - 1) (861 x^{17} + 91 x^{10} + 15 x^{6} + 3 x^{3} + 1)\right)$$

Sequence: A101000
Score: 10.2931
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n), a(0) = 0, a(1) = 1, a(2) = 3\}$$

Sequence: A101000
Score: 15.7547
Type of gen. func.: ogf

$$-f(x) x^{3} - 3 x^{2} + f(x) - x$$

Sequence: A101000
Score: 17.1551
Type of gen. func.: ogf

$$-\frac{x (3 x + 1)}{(x - 1) (x^{2} + x + 1)}$$

Sequence: A101000
Score: 20.5736
Type of gen. func.: lgdogf

$$-\frac{3 (x + 1) (2 x^{2} - x + 1)}{(x - 1) (3 x + 1) (x^{2} + x + 1)}$$

Sequence: A101052
Score: 10.3524
Type of gen. func.: ogf

$$-\frac{8 x^{2} - 5 x + 1}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A101052
Score: 5.48585
Type of gen. func.: ogf

$$-(10 f(x) - 7) (6 f(x) x^3 - 11 f(x) x^2 + 6 f(x) x + 8 x^2 - f(x) - 5 x + 1)$$

Sequence: A101052
Score: 5.68005
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 11 a(n + 1) - 6 a(n), a(0) = 1, a(1) = 1, a(2) = 3\}$$

Sequence: A101052
Score: 9.52747
Type of gen. func.: lgdogf

$$- \frac{48 x^4 - 60 x^3 + 25 x^2 - 6 x + 1}{(x - 1) (3 x - 1) (2 x - 1) (8 x^2 - 5 x + 1)}$$

Sequence: A101053
Score: 11.3984
Type of gen. func.: lgdegf]

$$\frac{-1 - \exp(x) + \exp(x) x}{x - 1}$$

Sequence: A101054
Score: 12.6307
Type of gen. func.: lgdegf]

$$\frac{-2 - \exp(x) + \exp(x) x}{x - 1}$$

Sequence: A101055
Score: 13.2468
Type of gen. func.: lgdegf]

$$\frac{-3 - \exp(x) + \exp(x)\,x}{x - 1}$$

Sequence: A101089
Score: 14.1601
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^3 + 29\,x^2 + 44\,x + 9)}{(x - 1)\,(x + 1)\,(x^2 + 10\,x + 1)}$$

Sequence: A101089
Score: 3.82405
Type of gen. func.: ogf

$$\{(4\,n^2 + 41\,n + 105)\,a(n + 1) + (-8\,n^2 - 64\,n - 150)\,a(n + 2) + (4\,n^2 + 23\,n + 33)\,a(n + 3),\ a(0) = 1,\ a(1) = 18,\ a(2) = 116\}$$

Sequence: A101089
Score: 6.61168
Type of gen. func.: ogf

$$-\frac{(x + 1)\,(x^2 + 10\,x + 1)}{(x - 1)^7}$$

Sequence: A101090
Score: 13.6065
Type of gen. func.: lgdogf

$$-\frac{5\,x^3 + 69\,x^2 + 99\,x + 19}{(x - 1)\,(x + 1)\,(x^2 + 10\,x + 1)}$$

Sequence: A101090

Score: 3.60238
Type of gen. func.: ogf

$$\{(4 n^2 + 49 n + 150) a(n + 1) + (-8 n^2 - 72 n - 169) a(n + 2) + (4 n^2 + 23 n + 33) a(n + 3), a(0) = 1, a(1) = 19, a(2) = 135\}$$

Sequence: A101090
Score: 5.74517
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 10 x + 1)}{(x - 1)^8}$$

Sequence: A101091
Score: 13.7287
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^3 + 40 x^2 + 55 x + 10)}{(x - 1) (x + 1) (x^2 + 10 x + 1)}$$

Sequence: A101091
Score: 3.78250
Type of gen. func.: ogf

$$\{(4 n^2 + 57 n + 203) a(n + 1) + (-8 n^2 - 80 n - 188) a(n + 2) + (4 n^2 + 23 n + 33) a(n + 3), a(0) = 1, a(1) = 20, a(2) = 155\}$$

Sequence: A101091
Score: 5.50994
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^2 + 10 x + 1)}{(x - 1)^9}$$

Sequence: A101092
Score: 11.1573
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^4 + 67 x^3 + 237 x^2 + 157 x + 17)}{(x - 1) (x^4 + 26 x^3 + 66 x^2 + 26 x + 1)}$$

Sequence: A101092
Score: 6.08808
Type of gen. func.: ogf

$$\frac{x^4 + 26 x^3 + 66 x^2 + 26 x + 1}{(x - 1)^8}$$

Sequence: A101093
Score: 4.23740
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^4 + 56 x^3 + 246 x^2 + 56 x + 1)}{(x - 1)^9}$$

Sequence: A101093
Score: 7.17865
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^5 + 145 x^4 + 1020 x^3 + 1510 x^2 + 530 x + 33)}{(x - 1) (x + 1) (x^4 + 56 x^3 + 246 x^2 + 56 x + 1)}$$

Sequence: A101094
Score: 19.8969
Type of gen. func.: lgdogf

$$-\frac{5 x^2 + 26 x + 11}{}$$

$$(x - 1) (x^2 + 4 x + 1)$$

Sequence: A101094
Score: 7.11579
Type of gen. func.: ogf

$$-\frac{x^2 + 4 x + 1}{(x - 1)^7}$$

Sequence: A101095
Score: 11.6986
Type of gen. func.: ogf

$$\frac{x^4 + 26 x^3 + 66 x^2 + 26 x + 1}{(x - 1)^2}$$

Sequence: A101095
Score: 6.90411
Type of gen. func.: ogf

$$(17143 f(x) + 4104155)$$

$$(-x^4 + f(x) x^2 - 26 x^3 - 2 f(x) x - 66 x^2 + f(x) - 26 x - 1)$$

Sequence: A101095
Score: 8.94393
Type of gen. func.: lgdogf

$$\frac{2 (x^4 + 11 x^3 - 39 x^2 - 79 x - 14)}{(x - 1) (x^4 + 26 x^3 + 66 x^2 + 26 x + 1)}$$

Sequence: A101096
Score: 10.1905
Type of gen. func.: ogf

$$-\frac{x^4 + 26x^3 + 66x^2 + 26x + 1}{(x - 1)^3}$$

Sequence: A101096
Score: 12.9111
Type of gen. func.: lgdogf

$$\frac{x^4 - 4x^3 - 144x^2 - 184x - 29}{(x - 1)(x^4 + 26x^3 + 66x^2 + 26x + 1)}$$

Sequence: A101096
Score: 5.39895
Type of gen. func.: ogf

$\{-a(n + 5) + 3 a(n + 4) - 3 a(n + 3) + a(n + 2), a(0) = 1, a(1) = 29,$

$a(2) = 150, a(3) = 390, a(4) = 750\}$

Sequence: A101096
Score: 5.701
Type of gen. func.: ogf

$-(28771 f(x) + 587418)$

$(f(x) x^3 + x^4 - 3 f(x) x^2 + 26 x^3 + 3 f(x) x + 66 x^2 - f(x) + 26 x + 1)$

Sequence: A101097
Score: 22.6429
Type of gen. func.: lgdogf

$$-\frac{6(x^2 + 5x + 2)}{(x - 1)(x^2 + 4x + 1)}$$

Sequence: A101097
Score: 3.67317
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (3 n - 3) a(n + 3) + (-36 - 3 n) a(n + 2) + (-7 - n) a(n + 1), a(0) = 1, a(1) = 12, a(2) = 69, a(3) = 272\}$$

Sequence: A101097
Score: 6.96517
Type of gen. func.: ogf

$$\frac{x^2 + 4 x + 1}{(x - 1)^8}$$

Sequence: A101098
Score: 14.4668
Type of gen. func.: lgdogf

$$-\frac{30 (x + 1) (x^2 + 6 x + 1)}{(x - 1) (x^4 + 26 x^3 + 66 x^2 + 26 x + 1)}$$

Sequence: A101098
Score: 5.13252
Type of gen. func.: ogf

$$-(28 f(x) + 725) (f(x) x^4 - 4 f(x) x^3 - x^4 + 6 f(x) x^2 - 26 x^3 - 4 f(x) x - 66 x^2 + f(x) - 26 x - 1)$$

Sequence: A101098
Score: 9.04024
Type of gen. func.: ogf

$$\frac{x^4 + 26 x^3 + 66 x^2 + 26 x + 1}{(x - 1)^4}$$

Sequence: A101099
Score: 10.9338

Type of gen. func.: lgdogf

$$-\frac{5\,(x^4 + 32\,x^3 + 108\,x^2 + 68\,x + 7)}{(x - 1)\,(x^4 + 26\,x^3 + 66\,x^2 + 26\,x + 1)}$$

Sequence: A101099
Score: 5.16187
Type of gen. func.: ogf

$$-\frac{x^4 + 26\,x^3 + 66\,x^2 + 26\,x + 1}{(x - 1)^9}$$

Sequence: A101100
Score: 4.26029
Type of gen. func.: ogf

$$-(26567999\,f(x) + 100985012160)\,(x^4 + 26\,x^3 + f(x)\,x + 66\,x^2 - f(x) + 26\,x + 1)$$

Sequence: A101100
Score: 4.33504
Type of gen. func.: ogf

$\{-a(n + 5) + a(n + 4), a(0) = 1, a(1) = 27, a(2) = 93, a(3) = 119, a(4) = 120\}$

Sequence: A101100
Score: 7.72178
Type of gen. func.: ogf

$$-\frac{x^4 + 26\,x^3 + 66\,x^2 + 26\,x + 1}{x - 1}$$

Sequence: A101100
Score: 7.74149
Type of gen. func.: lgdogf

4   3   2

$$\frac{3 (x + 16 x - 4 x - 44 x - 9)}{(x - 1) (x^4 + 26 x^3 + 66 x^2 + 26 x + 1)}$$

Sequence: A101101
Score: 15.8727
Type of gen. func.: ogf

$$- \frac{x^2 + 4 x + 1}{x - 1}$$

Sequence: A101101
Score: 22.4756
Type of gen. func.: lgdogf

$$\frac{x^2 - 2 x - 5}{(x - 1) (x^2 + 4 x + 1)}$$

Sequence: A101101
Score: 8.50323
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2), a(0) = 1, a(1) = 5, a(2) = 6\}$$

Sequence: A101101
Score: 9.0414
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x + x^2 - f(x) + 4 x + 1)$$

Sequence: A101102
Score: 18.9151
Type of gen. func.: lgdogf

$$- \frac{7 x^2 + 34 x + 13}{(x - 1) (x^2 + 4 x + 1)}$$

Sequence: A101102
Score: 3.87819
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-4 + 3 n) a(n + 3) + (-40 - 3 n) a(n + 2) + (-8 - n) a(n + 1), a(0) = 1, a(1) = 13, a(2) = 82, a(3) = 354\}$$

Sequence: A101102
Score: 6.66253
Type of gen. func.: ogf

$$-\frac{x^2 + 4 x + 1}{(x - 1)^9}$$

Sequence: A101103
Score: 10.2796
Type of gen. func.: lgdogf

$$\frac{x^3 - 3 x^2 - 33 x - 13}{(x - 1) (x + 1) (x^2 + 10 x + 1)}$$

Sequence: A101103
Score: 4.16310
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) + a(n + 2), a(0) = 1, a(1) = 13, a(2) = 36, a(3) = 60\}$$

Sequence: A101103
Score: 7.73148
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 10 x + 1)}{(x - 1)^2}$$

Sequence: A101103
Score: 8.19755
Type of gen. func.: ogf

$$-(13 f(x) - 99) (f(x) x^2 - x^3 - 2 f(x) x - 11 x^2 + f(x) - 11 x - 1)$$

Sequence: A101104
Score: 13.2705
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 + 10 x + 1)}{x - 1}$$

Sequence: A101104
Score: 15.5124
Type of gen. func.: lgdogf

$$\frac{2 (x^3 + 4 x^2 - 11 x - 6)}{(x - 1) (x + 1) (x^2 + 10 x + 1)}$$

Sequence: A101104
Score: 7.37253
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3), a(0) = 1, a(1) = 12, a(2) = 23, a(3) = 24\}$$

Sequence: A101104
Score: 7.76467
Type of gen. func.: ogf

$$(12097 f(x) - 517956) (x^3 + f(x) x + 11 x^2 - f(x) + 11 x + 1)$$

Sequence: A101106
Score: 13.1197
Type of gen. func.: lgdogf

$$-\frac{2x^3-9x^2+3x-3}{x^4-6x^3+3x^2-6x+1}$$

Sequence: A101106
Score: 6.08842
Type of gen. func.: ogf

$$-f(x)^2 x^4+6 f(x)^2 x^3-3 f(x)^2 x^2+6 f(x)^2 x-f(x)^2+1$$

Sequence: A101109
Score: 122.250
Type of gen. func.: lgdegf]

$$3 x^2$$

Sequence: A101109
Score: 5.05733
Type of gen. func.: egf]

$$\{(-n-4)\, a(n+4)+3\, a(n+1),\ a(0)=1,\ a(1)=0,\ a(2)=0,\ a(3)=1\}$$

Sequence: A101120
Score: 8.62720
Type of gen. func.: lgdogf

$$-\frac{2\,(5x^5+41x^4-10x^3+4x^2+3x-11)}{(x-1)(x+7)(2x-1)(x+1)(x^2+1)}$$

Sequence: A101120
Score: 9.32051
Type of gen. func.: ogf

$$-\frac{x+7}{(x+1)(2x-1)(x^2+1)(x-1)^2}$$

Sequence: A101127
Score: 14.4995
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-8 x^{2} + 8 x - 8}{-x^{4} + 1}$$

Sequence: A101135
Score: 10.1774
Type of gen. func.: ogf

$$\frac{256 x^{14} + 121 x^{13} + 9 x^{5} + 4 x^{4} + 1}{(x - 1)^{2}}$$

Sequence: A101135
Score: 8.30210
Type of gen. func.: lgdogf

$$\frac{3072 x^{14} - 2253 x^{13} - 1573 x^{12} + 27 x^{5} - 37 x^{4} - 16 x^{3} - 2}{(x - 1) (256 x^{14} + 121 x^{13} + 9 x^{5} + 4 x^{4} + 1)}$$

Sequence: A101152
Score: 6.03243
Type of gen. func.: ogf

$$\frac{x (93 x^{5} + 383 x^{4} + 93 x^{3} - 447 x^{2} - 1149 x - 111)}{(x - 1) (x^{6} - 6 x^{3} + 1)}$$

Sequence: A101156
Score: 16.6421
Type of gen. func.: ogf

$$- \frac{2 (7 x + 5)}{}$$

$$x^2 + x - 1$$

Sequence: A101156
Score: 18.7306
Type of gen. func.: revogf

$$\frac{-10 - x + (5 x^2 + 76 x + 100)^{1/2}}{2 (14 + x)}$$

Sequence: A101156
Score: 22.5869
Type of gen. func.: lgdogf

$$- \frac{7 x^2 + 10 x + 12}{(7 x + 5) (x^2 + x - 1)}$$

Sequence: A101156
Score: 7.98139
Type of gen. func.: ogf

$$-(2165 f(x) + 19822) (f(x) x^2 + f(x) x - f(x) + 14 x + 10)$$

Sequence: A101156
Score: 9.31163
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 10, a(1) = 24\}$$

Sequence: A101165
Score: 10.3087
Type of gen. func.: ogf

$$\frac{x (x^2 + 3 x + 3)}{(x - 1)^4}$$

Sequence: A101165
Score: 23.1708
Type of gen. func.: lgdogf

$$-\frac{(x+3)(2x+5)}{(x-1)(x^2+3x+3)}$$

Sequence: A101165
Score: 4.11220
Type of gen. func.: ogf

$$\{(-3n-9)a(n+4)+15a(n+3)+(13+2n)a(n+2)+(n+2)a(n+1),$$
$$a(0)=0, a(1)=3, a(2)=15, a(3)=43\}$$

Sequence: A101165
Score: 5.05055
Type of gen. func.: ogf

$$-(1477301 f(x)+2709344)$$
$$(f(x)x^4-4f(x)x^3+6f(x)x^2-x^3-4f(x)x-3x^2+f(x)-3x)$$

Sequence: A101166
Score: 15.2048
Type of gen. func.: lgdogf

$$-\frac{2x^3+15x^2+32x+26}{(x-1)(2+x)(x^2+2x+2)}$$

Sequence: A101166
Score: 3.83752
Type of gen. func.: ogf

$$\{(49n^2+344n+492)a(n+1)+(-8n^2+413n+2202)a(n+2)$$
$$+(-41n^2-397n-630)a(n+3), a(0)=0, a(1)=4, a(2)=26\}$$

Sequence: A101166
Score: 7.97023
Type of gen. func.: ogf

$$-\frac{x (2 + x) (x^2 + 2 x + 2)}{(x - 1)^5}$$

Sequence: A101168
Score: 12.7516
Type of gen. func.: ogf

$$-\frac{x^2 + x + 1}{x^3 + 2 x^2 + 2 x - 1}$$

Sequence: A101168
Score: 6.94505
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) + a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A101168
Score: 7.00762
Type of gen. func.: ogf

$$(8 f(x) + 1) (f(x) x^3 + 2 f(x) x^2 + 2 f(x) x + x^2 - f(x) + x + 1)$$

Sequence: A101169
Score: 11.8644
Type of gen. func.: ogf

$$\frac{x + 1}{x^3 - 3 x^2 - 2 x + 1}$$

Sequence: A101169

Score: 5.61440
Type of gen. func.: ogf

$$\{a(n+3) - 2\, a(n+2) - 3\, a(n+1) + a(n),\ a(0) = 1,\ a(1) = 3,\ a(2) = 9\}$$

Sequence: A101169
Score: 6.04628
Type of gen. func.: ogf

$$(35\, f(x) - 8)\, (f(x)\, x^3 - 3\, f(x)\, x^2 - 2\, f(x)\, x + f(x) - x - 1)$$

Sequence: A101195
Score: 17.9330
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x - 1}{-x^3 - 1}$$

Sequence: A101197
Score: 11.6185
Type of gen. func.: ogf

$$\frac{x + 1}{2\, x^3 - 3\, x^2 - 2\, x + 1}$$

Sequence: A101197
Score: 5.49804
Type of gen. func.: ogf

$$\{a(n+3) - 2\, a(n+2) - 3\, a(n+1) + 2\, a(n),\ a(0) = 1,\ a(1) = 3,\ a(2) = 9\}$$

Sequence: A101197
Score: 5.97845
Type of gen. func.: ogf

$$(5\, f(x) + 4)\, (2\, f(x)\, x^3 - 3\, f(x)\, x^2 - 2\, f(x)\, x + f(x) - x - 1)$$

Sequence: A101202
Score: 14.0460
Type of gen. func.: revogf

$$\frac{63492\, x}{(47619 + (2267569161 + 63492\, x)^{1/2})^2}$$

Sequence: A101202
Score: 16.6026
Type of gen. func.: ogf

$$\frac{142857}{(x - 1)^2}$$

Sequence: A101202
Score: 6.85761
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\, a(n + 1) - a(n),\ a(0) = 142857,\ a(1) = 285714\}$$

Sequence: A101202
Score: 77.2531
Type of gen. func.: lgdogf

$$-\frac{2}{x - 1}$$

Sequence: A101202
Score: 9.85781
Type of gen. func.: ogf

$$-f(x)\, x^2 + 2\, f(x)\, x - f(x) + 142857$$

Sequence: A101213
Score: 13.3649
Type of gen. func.: lgdogf

$$-\frac{4 (x^3 + 22 x^2 + 58 x + 24)}{(x - 1) (x^3 + 17 x^2 + 33 x + 9)}$$

Sequence: A101213
Score: 3.61224
Type of gen. func.: ogf

$$\{(n^2 + 8 n + 16) a(n + 1) + (-7 n^2 - 68 n - 189) a(n + 2) + (6 n^2 + 30 n + 36) a(n + 3), a(0) = 0, a(1) = 108, a(2) = 1152\}$$

Sequence: A101213
Score: 5.72976
Type of gen. func.: ogf

$$-\frac{12 x (x^3 + 17 x^2 + 33 x + 9)}{(x - 1)^7}$$

Sequence: A101217
Score: 3.66885
Type of gen. func.: ogf

$$-\frac{208 x^3 - 108 x^2 - 112 x - 1}{(x - 1) (10 x + 1) (10 x - 1)}$$

Sequence: A101229
Score: 12.4561
Type of gen. func.: ogf

$$\frac{17 x^{10} + 27 x^8 + 7 x^3 - 1}{2 x - 1}$$

Sequence: A101229
Score: 8.82786
Type of gen. func.: lgdogf

$$\frac{306 x^{10} - 170 x^{9} + 378 x^{8} - 216 x^{7} + 28 x^{3} - 21 x^{2} + 2}{(2 x - 1) (17 x^{10} + 27 x^{8} + 7 x^{3} - 1)}$$

Sequence: A101230
Score: 10.3087
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{5} + 2 x^{4} + x^{3} + x^{2} + x + 2}{x^{6} - 1}$$

Sequence: A101243
Score: 9.38386
Type of gen. func.: ogf

$$- \frac{10 x (800 x^{12} - 800 x^{11} + 80 x^{2} - 72 x - 9)}{(x - 1)^{2}}$$

Sequence: A101243
Score: 9.82212
Type of gen. func.: lgdogf

$$\frac{2 (4000 x^{12} - 8400 x^{11} + 4400 x^{10} - 44 x + 45)}{(x - 1) (800 x^{12} - 800 x^{11} + 80 x^{2} - 72 x - 9)}$$

Sequence: A101265
Score: 11.7050
Type of gen. func.: lgdogf

$$- \frac{x^{4} - 6 x^{3} + 13 x^{2} - 8 x + 2}{(x - 1) (x^{2} - 4 x + 1) (x^{2} - 3 x + 1)}$$

Sequence: A101265
Score: 12.6971
Type of gen. func.: ogf

$$-\frac{x^2 - 3x + 1}{(x - 1)(x^2 - 4x + 1)}$$

Sequence: A101265
Score: 6.91537
Type of gen. func.: ogf

$$(19 f(x) + 5) (f(x) x^3 - 5 f(x) x^2 + 5 f(x) x + x^2 - f(x) - 3 x + 1)$$

Sequence: A101265
Score: 6.91538
Type of gen. func.: ogf

{-a(n + 3) + 5 a(n + 2) - 5 a(n + 1) + a(n), a(0) = 1, a(1) = 2, a(2) = 6}

Sequence: A101272
Score: 14.3666
Type of gen. func.: ogf

$$-\frac{(x + 1)(x^2 + x + 1)(x^2 - x + 1)}{x - 1}$$

Sequence: A101272
Score: 16.7703
Type of gen. func.: lgdogf

$$\frac{2 (2 x^5 - x^4 - x^3 - x^2 - x - 1)}{(x - 1)(x + 1)(x^2 + x + 1)(x^2 - x + 1)}$$

Sequence: A101272
Score: 39.5702
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^5 + 2]$$

Sequence: A101272
Score: 6.60862
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) + a(n + 1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 4,

a(4) = 5, a(5) = 6, a(6) = 6}

Sequence: A101277
Score: 15.4706
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^3 + 2 x^2 + 2}{x^4 - 1}$$

Sequence: A101291
Score: 10.8983
Type of gen. func.: revogf

$$-\frac{-45 - 110 x + 9 (100 x^2 + 120 x + 25)^{1/2}}{10 (9 + 200 x)}$$

Sequence: A101291
Score: 11.5205
Type of gen. func.: ogf

$$-\frac{45 (x - 1)}{(100 x - 1) (10 x - 1)}$$

Sequence: A101291
Score: 12.5215
Type of gen. func.: lgdogf

$$1000 x^2 - 2000 x + 109$$

```
                        - ------------------------------
                          (x - 1) (100 x - 1) (10 x - 1)



------------------------------------------------------------------------------

Sequence:  A101291
Score: 6.17594
Type of gen. func.: ogf


                                      2
        (222 f(x) + 1891) (1000 f(x) x  - 110 f(x) x + f(x) + 45 x - 45)



------------------------------------------------------------------------------

Sequence:  A101291
Score: 6.58315
Type of gen. func.: ogf


         {-a(n + 2) + 110 a(n + 1) - 1000 a(n), a(0) = 45, a(1) = 4905}



------------------------------------------------------------------------------

Sequence:  A101308
Score: 5.01122
Type of gen. func.: ogf


         2  3       2  2         3       2           2    3    2
     f(x)  x  - f(x)  x  - f(x) x  + f(x)  x + f(x) x  + x  - x  - f(x) + 1



------------------------------------------------------------------------------

Sequence:  A101328
Score: 15.7976
Type of gen. func.: ogf


                               (x + 1) (2 x + 1)
                               -----------------
                                          2
                                   (x - 1)



------------------------------------------------------------------------------

Sequence:  A101328
Score: 29.3276
Type of gen. func.: lgdogf


                                     7 x + 5
                          - -------------------------
                            (x - 1) (2 x + 1) (x + 1)



------------------------------------------------------------------------------

Sequence:  A101328
Score: 8.12886
```

Type of gen. func.: ogf

$$\{-a(n+3)+2\,a(n+2)-a(n+1),\ a(0)=1,\ a(1)=5,\ a(2)=11\}$$

Sequence: A101328
Score: 8.8134
Type of gen. func.: ogf

$$(12\,f(x)+13)\,(f(x)\,x^{2}-2\,f(x)\,x-2\,x^{2}+f(x)-3\,x-1)$$

Sequence: A101338
Score: 16.6698
Type of gen. func.: lgdogf

$$-\frac{2\,x^{3}-9\,x^{2}+4\,x-2}{(x-1)\,(x^{3}-4\,x^{2}+3\,x-1)}$$

Sequence: A101338
Score: 4.06912
Type of gen. func.: ogf

$$\{(32\,n^{2}+242\,n+438)\,a(n+1)+(-61\,n^{2}-337\,n-354)\,a(n+2)$$
$$+(29\,n^{2}+107\,n+60)\,a(n+3),\ a(0)=1,\ a(1)=2,\ a(2)=4\}$$

Sequence: A101338
Score: 8.79305
Type of gen. func.: ogf

$$\frac{x^{3}-4\,x^{2}+3\,x-1}{(x-1)^{5}}$$

Sequence: A101351
Score: 11.2496
Type of gen. func.: ogf

$$-\frac{x^2 - 4x + 2}{(x - 1)(2x - 1)(x^2 + x - 1)}$$

Sequence: A101351
Score: 5.74981
Type of gen. func.: ogf

$$-(7 f(x) + 116)$$

$$(2 f(x) x^4 - f(x) x^3 - 4 f(x) x^2 + 4 f(x) x + x^2 - f(x) - 4 x + 2)$$

Sequence: A101351
Score: 8.86228
Type of gen. func.: lgdogf

$$-\frac{4x^5 - 25x^4 + 24x^3 + 6x^2 - 14x + 4}{(x - 1)(2x - 1)(x^2 - 4x + 2)(x^2 + x - 1)}$$

Sequence: A101352
Score: 8.43659
Type of gen. func.: ogf

$$\frac{x(x^2 - 4x + 2)}{(2x - 1)(x^2 + x - 1)(x - 1)^2}$$

Sequence: A101352
Score: 9.34808
Type of gen. func.: lgdogf

$$-\frac{6x^5 - 32x^4 + 21x^3 + 21x^2 - 24x + 6}{(x - 1)(2x - 1)(x^2 - 4x + 2)(x^2 + x - 1)}$$

Sequence: A101353
Score: 11.9419

Type of gen. func.: ogf

$$\frac{3 x^2 - 1}{(x - 1) (2 x - 1) (x^2 + x - 1)}$$

Sequence: A101353
Score: 6.06426
Type of gen. func.: ogf

$$(27 f(x) + 556) (2 f(x) x^4 - f(x) x^3 - 4 f(x) x^2 + 4 f(x) x - 3 x^2 - f(x) + 1)$$

Sequence: A101353
Score: 9.75452
Type of gen. func.: lgdogf

$$- \frac{12 x^5 - 3 x^4 - 8 x^3 - 9 x^2 + 14 x - 4}{(x - 1) (2 x - 1) (3 x^2 - 1) (x^2 + x - 1)}$$

Sequence: A101357
Score: 23.2407
Type of gen. func.: lgdogf

$$- \frac{3 (4 x^2 + 1)}{(x - 1) (4 x^2 - 2 x + 1)}$$

Sequence: A101357
Score: 3.85047
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-3 n - 9) a(n + 3) + (6 + 6 n) a(n + 2)$$

$$+ (-12 - 4 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 9\}$$

Sequence: A101357
Score: 9.09269
Type of gen. func.: ogf

$$-\frac{x\,(4\,x^{2} - 2\,x + 1)}{(x - 1)^{5}}$$

Sequence: A101362
Score: 14.6627
Type of gen. func.: lgdogf

$$-\frac{12\,(x + 1)\,(2\,x^{2} + 11\,x + 2)}{(x - 1)\,(8\,x^{3} + 33\,x^{2} + 18\,x + 1)}$$

Sequence: A101362
Score: 4.13294
Type of gen. func.: ogf

$$\{(-37\,n^{2} - 195\,n - 252)\,a(n + 1) + (56\,n^{2} + 176\,n + 456)\,a(n + 2)$$
$$+ (-19\,n^{2} - 71\,n - 66)\,a(n + 3),\ a(0) = 0,\ a(1) = 2,\ a(2) = 48\}$$

Sequence: A101362
Score: 7.50350
Type of gen. func.: ogf

$$\frac{2\,x\,(8\,x^{3} + 33\,x^{2} + 18\,x + 1)}{(x - 1)^{6}}$$

Sequence: A101368
Score: 14.9676
Type of gen. func.: lgdogf

$$-\frac{3\,x^{4} - 10\,x^{3} + 15\,x^{2} - 6\,x + 1}{(x - 1)\,(x^{2} - 5\,x + 1)\,(3\,x^{2} - 5\,x + 1)}$$

Sequence: A101368
Score: 15.1861
Type of gen. func.: ogf

$$-\frac{3x^2-5x+1}{(x-1)(x^2-5x+1)}$$

Sequence: A101368
Score: 8.27100
Type of gen. func.: ogf

$$\{-a(n+3)+6a(n+2)-6a(n+1)+a(n), a(0)=1, a(1)=1, a(2)=3\}$$

Sequence: A101368
Score: 8.34552
Type of gen. func.: ogf

$$(5f(x)+3)(f(x)x^3-6f(x)x^2+6f(x)x+3x^2-f(x)-5x+1)$$

Sequence: A101374
Score: 16.1339
Type of gen. func.: lgdogf

$$-\frac{2(x^3-12x^2-15x-4)}{(x-1)(x^3-9x^2-3x-1)}$$

Sequence: A101374
Score: 4.60554
Type of gen. func.: ogf

$$\{(-2n^2-11n-14)a(n+1)+(2n^2+2n-8)a(n+2)+(n+2)a(n+3),$$
$$a(0)=0, a(1)=1, a(2)=8\}$$

Sequence: A101374
Score: 8.45193
Type of gen. func.: ogf

$$\frac{x\,(x^3 - 9\,x^2 - 3\,x - 1)}{(x - 1)^5}$$

Sequence: A101375
Score: 22.4491
Type of gen. func.: lgdogf

$$-\frac{6\,(5\,x^2 + 4\,x + 1)}{(x - 1)\,(10\,x^2 + x + 1)}$$

Sequence: A101375
Score: 4.35318
Type of gen. func.: ogf

$$\{(n + 3)\,a(n + 4) - 6\,a(n + 3) + (-15 + 9\,n)\,a(n + 2) + (-30 - 10\,n)\,a(n + 1),$$
$$a(0) = 0,\ a(1) = 1,\ a(2) = 6,\ a(3) = 30\}$$

Sequence: A101375
Score: 9.48371
Type of gen. func.: ogf

$$-\frac{x\,(10\,x^2 + x + 1)}{(x - 1)^5}$$

Sequence: A101376
Score: 13.0071
Type of gen. func.: lgdogf

$$-\frac{2\,(x^4 + 32\,x^3 + 90\,x^2 + 50\,x + 7)}{(x - 1)\,(x^4 + 20\,x^3 + 30\,x^2 + 8\,x + 1)}$$

Sequence: A101376

Score: 7.30918
Type of gen. func.: ogf

$$\frac{x (x^4 + 20 x^3 + 30 x^2 + 8 x + 1)}{(x - 1)^6}$$

Sequence: A101377
Score: 12.7061
Type of gen. func.: lgdogf

$$- \frac{2 (x^4 - 19 x^3 - 93 x^2 - 61 x - 8)}{(x - 1) (x^4 - 14 x^3 - 36 x^2 - 10 x - 1)}$$

Sequence: A101377
Score: 7.30687
Type of gen. func.: ogf

$$- \frac{x (x^4 - 14 x^3 - 36 x^2 - 10 x - 1)}{(x - 1)^6}$$

Sequence: A101378
Score: 15.1035
Type of gen. func.: lgdogf

$$- \frac{6 (7 x^3 + 29 x^2 + 21 x + 3)}{(x - 1) (14 x^3 + 33 x^2 + 12 x + 1)}$$

Sequence: A101378
Score: 4.50591
Type of gen. func.: ogf

$$\{(13 n^2 + 63 n + 72) a(n + 1) + (-11 n^2 + 17 n + 10) a(n + 2)$$

$$+ (-2 n^2 - 5 n - 2) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 18\}$$

Sequence: A101378
Score: 7.87440
Type of gen. func.: ogf

$$\frac{x\,(14\,x^{3} + 33\,x^{2} + 12\,x + 1)}{(x - 1)^{6}}$$

Sequence: A101379
Score: 11.2476
Type of gen. func.: lgdogf

$$-\frac{18\,x^{4} + 284\,x^{3} + 635\,x^{2} + 296\,x + 27}{(x - 1)\,(6\,x^{4} + 65\,x^{3} + 88\,x^{2} + 20\,x + 1)}$$

Sequence: A101379
Score: 6.55320
Type of gen. func.: ogf

$$-\frac{x\,(6\,x^{4} + 65\,x^{3} + 88\,x^{2} + 20\,x + 1)}{(x - 1)^{7}}$$

Sequence: A101380
Score: 11.3969
Type of gen. func.: lgdogf

$$-\frac{39\,x^{4} + 444\,x^{3} + 824\,x^{2} + 344\,x + 29}{(x - 1)\,(x + 1)\,(13\,x^{3} + 85\,x^{2} + 21\,x + 1)}$$

Sequence: A101380
Score: 6.53021
Type of gen. func.: ogf

$$-\frac{x\,(x + 1)\,(13\,x^{3} + 85\,x^{2} + 21\,x + 1)}{}$$

$$(x-1)^7$$

Sequence: A101381
Score: 11.7371
Type of gen. func.: lgdogf

$$-\frac{30\,(x^4+14\,x^3+28\,x^2+12\,x+1)}{(x-1)\,(10\,x^4+95\,x^3+111\,x^2+23\,x+1)}$$

Sequence: A101381
Score: 6.53021
Type of gen. func.: ogf

$$-\frac{x\,(10\,x^4+95\,x^3+111\,x^2+23\,x+1)}{(x-1)^7}$$

Sequence: A101382
Score: 4.27302
Type of gen. func.: ogf

$$-\frac{x\,(108\,x^6+2749\,x^5+10727\,x^4+10362\,x^3+2762\,x^2+169\,x+3)}{(x-1)^9}$$

Sequence: A101382
Score: 5.91007
Type of gen. func.: lgdogf

$$-\frac{4\,(81\,x^6+2911\,x^5+16845\,x^4+26270\,x^3+12605\,x^2+1719\,x+49)}{(x-1)\,(108\,x^6+2749\,x^5+10727\,x^4+10362\,x^3+2762\,x^2+169\,x+3)}$$

Sequence: A101383
Score: 15.2809
Type of gen. func.: lgdogf

$$-\frac{2\,(9\,x^3+59\,x^2+45\,x+7)}{(x-1)\,(6\,x^3+25\,x^2+8\,x+1)}$$

Sequence: A101383
Score: 3.89116
Type of gen. func.: ogf

$$\{(4931\,n^2+28841\,n+42144)\,a(n+1)+(-4098\,n^2+3496\,n+21846)\,a(n+2)$$
$$+(-833\,n^2-3517\,n-3702)\,a(n+3),\ a(0)=0,\ a(1)=1,\ a(2)=14\}$$

Sequence: A101383
Score: 7.82084
Type of gen. func.: ogf

$$\frac{x\,(6\,x^3+25\,x^2+8\,x+1)}{(x-1)^6}$$

Sequence: A101384
Score: 11.4635
Type of gen. func.: lgdogf

$$-\frac{12\,(x^4+37\,x^3+108\,x^2+59\,x+5)}{(x-1)\,(4\,x^4+107\,x^3+195\,x^2+53\,x+1)}$$

Sequence: A101384
Score: 6.24114
Type of gen. func.: ogf

$$-\frac{x^2\,(4\,x^4+107\,x^3+195\,x^2+53\,x+1)}{(x-1)^7}$$

Sequence: A101386
Score: 13.4095
Type of gen. func.: revogf

$$-\frac{-5 - 6 x + (32 x^2 + 48 x + 25)^{1/2}}{2 (x + 3)}$$

Sequence: A101386
Score: 15.5926
Type of gen. func.: ogf

$$-\frac{3 x - 5}{x^2 - 6 x + 1}$$

Sequence: A101386
Score: 15.6444
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 10 x + 27}{(3 x - 5) (x^2 - 6 x + 1)}$$

Sequence: A101386
Score: 7.62681
Type of gen. func.: ogf

$$-(152 f(x) - 31) (f(x) x^2 - 6 f(x) x + f(x) + 3 x - 5)$$

Sequence: A101386
Score: 8.45381
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + a(n), a(0) = 5, a(1) = 27\}$$

Sequence: A101399
Score: 10.7054
Type of gen. func.: ogf

$$-\frac{x^2 + x + 1}{x^3 + 2 x^2 + x - 1}$$

Sequence: A101399
Score: 12.7885
Type of gen. func.: lgdogf

$$-\frac{x^4 + 2 x^3 + 4 x^2 + 6 x + 2}{(x^2 + x + 1) (x^3 + 2 x^2 + x - 1)}$$

Sequence: A101399
Score: 5.83062
Type of gen. func.: ogf

$$(49 f(x) + 6) (f(x) x^3 + 2 f(x) x^2 + f(x) x + x^2 - f(x) + x + 1)$$

Sequence: A101399
Score: 5.83062
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 2 a(n + 1) + a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A101400
Score: 11.4078
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 + x^4 + x^3 - 2 x^2 - 3 x - 1)}{(x^2 + x + 1) (x^4 - x^3 - 2 x^2 - x + 1)}$$

Sequence: A101400
Score: 5.12535
Type of gen. func.: ogf

$$-(13 f(x) + 4) (f(x) x^4 - f(x) x^3 - 2 f(x) x^2 - f(x) x - x^2 + f(x) - x - 1)$$

Sequence: A101400
Score: 9.95359
Type of gen. func.: ogf

$$\frac{x^2 + x + 1}{x^4 - x^3 - 2 x^2 - x + 1}$$

Sequence: A101423
Score: 8.01770
Type of gen. func.: lgdogf

$$- \frac{3 x^8 - 6 x^6 - 2 x^5 + 23 x^4 + 52 x^3 + 60 x^2 + 38 x + 12}{(x - 1) (x + 1) (x^2 + x + 1) (3 x^5 - 3 x^4 - 3 x^3 + x^2 + 6 x + 6)}$$

Sequence: A101423
Score: 9.85271
Type of gen. func.: ogf

$$- \frac{x^3 + 3 x^2 + 3 x + 3}{(x^2 + x + 1) (x + 1) (x - 1)^3}$$

Sequence: A101424
Score: 13.9227
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^4 - 4 x^3 - 2 x^2 + 10 x + 9)}{(x - 1) (x + 1) (4 x^3 - 8 x^2 + 9)}$$

Sequence: A101424
Score: 15.4938
Type of gen. func.: ogf

4 + x
- ----------------

$$(x + 1) (x - 1)^3$$

Sequence: A101424
Score: 4.10587
Type of gen. func.: ogf

$$\{(-4 n - 16) a(n + 4) + (6 - n) a(n + 3) + (26 + 4 n) a(n + 2) + (n + 4) a(n + 1), a(0) = 4, a(1) = 9, a(2) = 18, a(3) = 28\}$$

Sequence: A101424
Score: 7.33191
Type of gen. func.: ogf

$$(25225 f(x) - 159731) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x - f(x) + x + 4)$$

Sequence: A101425
Score: 13.5082
Type of gen. func.: lgdogf

$$- \frac{5 x^4 - 10 x^3 - 5 x^2 + 28 x + 24}{(x - 1) (x + 1) (5 x^3 - 10 x^2 + 12)}$$

Sequence: A101425
Score: 15.5578
Type of gen. func.: ogf

$$- \frac{2 x + 5}{(x + 1) (x - 1)^3}$$

Sequence: A101425
Score: 4.10232
Type of gen. func.: ogf

$$\{(-5 n - 20) a(n + 4) + (6 - 2 n) a(n + 3) + (34 + 5 n) a(n + 2) + (8 + 2 n) a(n + 1), a(0) = 5, a(1) = 12, a(2) = 24, a(3) = 38\}$$

Sequence: A101425
Score: 7.36219
Type of gen. func.: ogf

$$(45521 f(x) - 393377) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x - f(x) + 2 x + 5)$$

Sequence: A101426
Score: 7.27090
Type of gen. func.: lgdogf

$$-\frac{7 x^8 - 14 x^6 - 2 x^5 + 67 x^4 + 148 x^3 + 164 x^2 + 102 x + 32}{(x - 1) (x + 1) (x^2 + x + 1) (7 x^5 - 7 x^4 - 7 x^3 + 3 x^2 + 16 x + 16)}$$

Sequence: A101426
Score: 9.64802
Type of gen. func.: ogf

$$-\frac{3 x^3 + 9 x^2 + 9 x + 7}{(x^2 + x + 1) (x + 1) (x - 1)^3}$$

Sequence: A101427
Score: 6.07413
Type of gen. func.: ogf

$$-\frac{x^6 + 3 x^4 + 4 x^3 + 3 x^2 + 1}{(x^2 + x + 1) (x + 1)^2 (x - 1)^5}$$

Sequence: A101432
Score: 10.3260
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 2), a(0) = 1, a(1) = 3, a(2) = 4, a(3) = 6\}$$

Sequence: A101432
Score: 11.6623
Type of gen. func.: ogf

$$(17 f(x) - 57) (f(x) x^2 + 3 x^3 + 3 x^2 - f(x) + 3 x + 1)$$

Sequence: A101432
Score: 17.3911
Type of gen. func.: ogf

$$- \frac{3 x^3 + 3 x^2 + 3 x + 1}{(x - 1) (x + 1)}$$

Sequence: A101432
Score: 18.3524
Type of gen. func.: lgdogf

$$\frac{3 x^4 - 12 x^2 - 8 x - 3}{(x - 1) (x + 1) (3 x^3 + 3 x^2 + 3 x + 1)}$$

Sequence: A101442
Score: 14.1480
Type of gen. func.: revogf

$$- \frac{-10007 - 2 x + (100140049 + 39892 x)^{1/2}}{2 (34 + x)}$$

Sequence: A101442
Score: 14.4228
Type of gen. func.: ogf

$$- \frac{34 x - 10007}{(x - 1)^2}$$

Sequence: A101442
Score: 20.8059

Type of gen. func.: lgdogf

$$-\frac{2(-9990+17x)}{(x-1)(34x-10007)}$$

Sequence: A101442
Score: 7.21137
Type of gen. func.: ogf

$$(9973 f(x)+99800389)(f(x)x^2-2f(x)x+f(x)+34x-10007)$$

Sequence: A101442
Score: 8.01264
Type of gen. func.: ogf

$$\{-a(n+2)+2a(n+1)-a(n), a(0)=10007, a(1)=19980\}$$

Sequence: A101443
Score: 11.8906
Type of gen. func.: ogf

$$-\frac{(x+1)(x^4-x^2-1)}{(x-1)^2(x^2+x+1)^2}$$

Sequence: A101443
Score: 12.9459
Type of gen. func.: lgdogf

$$-\frac{x^7+2x^6-3x^5+x^4-x^3-9x^2-2x-1}{(x-1)(x+1)(x^2+x+1)(x^4-x^2-1)}$$

Sequence: A101455
Score: 10.3847
Type of gen. func.: ogf

$$\{-a(n+2)-a(n), a(0)=1, a(1)=0\}$$

Sequence: A101455
Score: 15.9569
Type of gen. func.: ogf

$$f(x) x^2 + f(x) - 1$$

Sequence: A101455
Score: 22.5598
Type of gen. func.: ogf

$$\frac{1}{x^2 + 1}$$

Sequence: A101455
Score: 25.7862
Type of gen. func.: revogf

$$- \frac{-1 + (-(-1 + 2 x) (2 x + 1))^{1/2}}{2 x}$$

Sequence: A101455
Score: 26.1078
Type of gen. func.: ogf_with_Euler_transform]

$$[x^3 - x]$$

Sequence: A101455
Score: 79.5076
Type of gen. func.: lgdogf

$$- \frac{2 x}{x^2 + 1}$$

Sequence: A101463

Score: 10.9359
Type of gen. func.: ogf

$$\frac{x^3 + x^2 + 2x + 1}{x^4 + 5x^2 + 1}$$

Sequence: A101463
Score: 11.5171
Type of gen. func.: lgdogf

$$-\frac{x^6 + 2x^5 + x^4 + 4x^3 + 7x^2 + 8x - 2}{(x^3 + x^2 + 2x + 1)(x^4 + 5x^2 + 1)}$$

Sequence: A101463
Score: 6.34674
Type of gen. func.: ogf

$$-(19582 f(x) - 4389) (f(x) x^4 + 5 f(x) x^2 - x^3 - x^2 + f(x) - 2x - 1)$$

Sequence: A101467
Score: 5.60801
Type of gen. func.: ogf

$$\frac{2700x^5 - 5460x^4 + 3579x^3 - 1028x^2 + 147x - 10}{(x - 1)(3x - 1)(-1 + 2x)(5x - 1)(10x - 1)}$$

Sequence: A101478
Score: 32.9525
Type of gen. func.: revogf

$$\frac{x (x^2 + 1)}{(x + 1)^4}$$

Sequence: A101478

Score: 5.77517
Type of gen. func.: lgdogf

$$(64 n^2 + 320 n + 396) a(n + 1) + (-16 n^2 - 96 n - 144) a(n + 2) + (n^2 + 7 n + 12) a(n + 3), a(0) = 4, a(1) = 26, a(2) = 184$$

Sequence: A101485
Score: 4.92263
Type of gen. func.: ogf

$$\{(16 n^2 + 48 n + 35) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A101487
Score: 20.8466
Type of gen. func.: revogf

$$\frac{x (x^2 + x + 1)}{(x^2 + 4 x + 1)^2}$$

Sequence: A101488
Score: 4.34731
Type of gen. func.: ogf

$$f(x)^2 x^3 + 2 f(x)^2 x^2 + 2 f(x) x^3 + f(x)^2 x - 6 f(x) x^2 + x^3 - 7 f(x) x + 8 x^2 + f(x) + 5 x - 1$$

Sequence: A101490
Score: 28.7023
Type of gen. func.: revogf

$$\frac{x (x^2 - x + 1)}{(x^2 + 1)^2}$$

Sequence: A101496

```
Score: 12.3981
Type of gen. func.: ogf


                                 (x - 1) (x + 1)
                             - --------------------
                                4    3    2
                               x  + x  - x  - x + 1



------------------------------------------------------------------------------

Sequence:  A101496
Score: 15.8577
Type of gen. func.: lgdogf


                              5    4      3      2
                           2 x  + x  - 4 x  - 2 x  + 1
                    - --------------------------------------
                                            4    3    2
                      (x - 1) (x + 1) (x  + x  - x  - x + 1)



------------------------------------------------------------------------------

Sequence:  A101496
Score: 6.24711
Type of gen. func.: ogf


                           4         3         2             2
      -(3 f(x) - 2) (f(x) x  + f(x) x  - f(x) x  - f(x) x + x  + f(x) - 1)



------------------------------------------------------------------------------

Sequence:  A101497
Score: 13.7845
Type of gen. func.: ogf


                                 (x - 1) (x + 1)
                             - -------------------
                                4      3
                               x  + 2 x  - 2 x + 1



------------------------------------------------------------------------------

Sequence:  A101497
Score: 14.4876
Type of gen. func.: lgdogf


                            5    4      3      2
                        2 (x  + x  - 2 x  - 2 x  - x + 1)
                    - -------------------------------------
                                            4      3
                      (x - 1) (x + 1) (x  + 2 x  - 2 x + 1)



------------------------------------------------------------------------------

Sequence:  A101497
Score: 7.01534
```

Type of gen. func.: ogf

$$-(19 f(x) - 8) (f(x) x^4 + 2 f(x) x^3 - 2 f(x) x + x^2 + f(x) - 1)$$

Sequence: A101498
Score: 12.6406
Type of gen. func.: ogf

$$-\frac{(x - 1) (x + 1)}{x^4 + 3 x^3 + x^2 - 3 x + 1}$$

Sequence: A101498
Score: 13.1437
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 3 x^4 - 4 x^3 - 6 x^2 - 4 x + 3}{(x - 1) (x + 1) (x^4 + 3 x^3 + x^2 - 3 x + 1)}$$

Sequence: A101498
Score: 6.27208
Type of gen. func.: ogf

$$-(71 f(x) - 18) (f(x) x^4 + 3 f(x) x^3 + f(x) x^2 - 3 f(x) x + x^2 + f(x) - 1)$$

Sequence: A101499
Score: 8.3466
Type of gen. func.: ogf

$$-f(x)^2 x^3 - f(x)^2 x + f(x) x^2 + f(x) - 1$$

Sequence: A101500
Score: 15.6817
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - 3 x^2 + x - 1)}{}$$

$$(x^2 + 1) (x^2 - 4 x + 1)$$

Sequence: A101500
Score: 7.45725
Type of gen. func.: ogf

$$f(x)^2 x^4 - 4 f(x)^2 x^3 + 2 f(x)^2 x^2 - 4 f(x)^2 x + f(x)^2 - 1$$

Sequence: A101501
Score: 10.7478
Type of gen. func.: ogf

$$- \frac{x (-1 + 2 x)}{(4 x - 1) (4 x^2 - 2 x - 1)}$$

Sequence: A101501
Score: 13.0767
Type of gen. func.: lgdogf

$$- \frac{8 x (8 x^2 - 9 x + 3)}{(4 x - 1) (-1 + 2 x) (4 x^2 - 2 x - 1)}$$

Sequence: A101501
Score: 5.66178
Type of gen. func.: ogf

$\{-a(n + 3) + 2 a(n + 2) + 12 a(n + 1) - 16 a(n), a(0) = 0, a(1) = 1, a(2) = 0\}$

Sequence: A101501
Score: 6.2784
Type of gen. func.: ogf

$$f(x) (16 f(x) x^3 - 12 f(x) x^2 - 2 f(x) x + 2 x^2 + f(x) - x)$$

Sequence: A101502
Score: 4.75517
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) - 12 a(n + 2) + 16 a(n + 1), a(0) = 1, a(1) = 0, a(2) = 4, a(3) = 0\}$$

Sequence: A101502
Score: 5.02145
Type of gen. func.: ogf

$$-(-5 + 7 f(x)) (16 f(x) x^3 - 12 f(x) x^2 - 8 x^3 - 2 f(x) x + 8 x^2 + f(x) + 2 x - 1)$$

Sequence: A101502
Score: 8.84059
Type of gen. func.: ogf

$$\frac{8 x^3 - 8 x^2 - 2 x + 1}{(4 x - 1) (4 x^2 - 2 x - 1)}$$

Sequence: A101502
Score: 9.41279
Type of gen. func.: lgdogf

$$\frac{8 x (4 x^3 + 4 x^2 - 4 x + 1)}{(4 x - 1) (4 x^2 - 2 x - 1) (8 x^3 - 8 x^2 - 2 x + 1)}$$

Sequence: A101551
Score: 13.3063
Type of gen. func.: lgdogf

$$- \frac{3 (x^2 + 1) (2 x^3 - 2 x + 1)}{(x^2 + x - 1) (x^4 - x^3 + 2 x^2 - 2 x + 1)}$$

Sequence: A101551
Score: 15.2072
Type of gen. func.: ogf

$$-\frac{x^4}{(x^2+x-1)(x^4-x^3+2x^2-2x+1)}$$

Sequence: A101552
Score: 12.3386
Type of gen. func.: lgdogf

$$-\frac{4(2x^7-x^3+3x^2-3x+1)}{(x^2-x+1)(x^4+x^2-2x+1)(x^2+x-1)}$$

Sequence: A101552
Score: 13.2907
Type of gen. func.: ogf

$$-\frac{x^6}{(x^2-x+1)(x^4+x^2-2x+1)(x^2+x-1)}$$

Sequence: A101553
Score: 15.3606
Type of gen. func.: ogf

$$-\frac{5x+1}{15x^2-1}$$

Sequence: A101553
Score: 16.2162
Type of gen. func.: revogf

$$\frac{-1+(60x^2+20x+1)^{1/2}}{10(1+3x)}$$

Sequence: A101553
Score: 17.5676
Type of gen. func.: lgdogf

$$-\frac{5(15x^2+6x+1)}{(5x+1)(15x^2-1)}$$

Sequence: A101553
Score: 8.8376
Type of gen. func.: ogf

$$-(24 f(x)+1)(15 f(x) x^2 - f(x) + 5x + 1)$$

Sequence: A101553
Score: 9.92529
Type of gen. func.: ogf

$$\{a(n+2) - 15 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A101596
Score: 16.8290
Type of gen. func.: lgdogf

$$\frac{16}{(1-8x)^{1/2}(1+(1-8x)^{1/2})}$$

Sequence: A101596
Score: 4.74933
Type of gen. func.: ogf

$$\{(-8n^2 - 52n - 84) a(n+1) + (n^2 + 8n + 12) a(n+2), a(0) = 1, a(1) = 8\}$$

Sequence: A101596
Score: 7.48933
Type of gen. func.: ogf

$$16 f(x)^2 x^4 - 8 f(x) x^2 + 8 f(x) x - f(x) + 1$$

Sequence: A101600
Score: 12.1265
Type of gen. func.: ogf

$$-9 f(x)^2 x^2 - 6 f(x) x + f(x) - 1$$

Sequence: A101600
Score: 15.5401
Type of gen. func.: lgdogf

$$\frac{12}{(1 - 12 x)^{1/2} (1 + (1 - 12 x)^{1/2})}$$

Sequence: A101600
Score: 5.38888
Type of gen. func.: ogf

$$\{(-12 n - 30) a(n + 1) + (n + 4) a(n + 2), a(0) = 1, a(1) = 6\}$$

Sequence: A101600
Score: 50.8585
Type of gen. func.: revogf

$$\frac{x}{(1 + 3 x)^2}$$

Sequence: A101601
Score: 12.3811
Type of gen. func.: ogf

$$27 f(x)^2 x^3 + 9 f(x) x - f(x) + 1$$

Sequence: A101601
Score: 14.2110
Type of gen. func.: lgdogf

$$\frac{18}{(1-12x)^{1/2}\,(1+(1-12x)^{1/2})}$$

Sequence: A101601
Score: 21.3165
Type of gen. func.: revogf

$$\frac{8x}{(1+(1+12x)^{1/2})^3}$$

Sequence: A101601
Score: 4.21901
Type of gen. func.: ogf

$$\{(-12n^2 - 66n - 90)\,a(n+1) + (n^2 + 7n + 10)\,a(n+2),\ a(0) = 1,\ a(1) = 9\}$$

Sequence: A101602
Score: 15.0942
Type of gen. func.: lgdogf

$$\frac{24}{(1-12x)^{1/2}\,(1+(1-12x)^{1/2})}$$

Sequence: A101602
Score: 4.40437
Type of gen. func.: ogf

$$\{(-12n^2 - 78n - 126)\,a(n+1) + (n^2 + 8n + 12)\,a(n+2),\ a(0) = 1,\ a(1) = 12\}$$

Sequence: A101602
Score: 8.72507
Type of gen. func.: ogf

$$-81 f(x)^2 x^4 + 18 f(x) x^2 - 12 f(x) x + f(x) - 1$$

Sequence: A101604
Score: 15.9374
Type of gen. func.: ogf

$$-\frac{1}{(x+1)(2x^2+3x-1)}$$

Sequence: A101604
Score: 17.7933
Type of gen. func.: lgdogf

$$-\frac{2(3x^2+5x+1)}{(x+1)(2x^2+3x-1)}$$

Sequence: A101604
Score: 5.83422
Type of gen. func.: ogf

$$\{-a(n+3) + 2a(n+2) + 5a(n+1) + 2a(n), a(0) = 1, a(1) = 2, a(2) = 9\}$$

Sequence: A101604
Score: 6.05029
Type of gen. func.: ogf

$$-(1097 f(x) + 268)(2 f(x) x^3 + 5 f(x) x^2 + 2 f(x) x - f(x) + 1)$$

Sequence: A101617
Score: 10.5773
Type of gen. func.: ogf

$$-\frac{(1+3x)(2x^2-1)}{(2x+1)(x-1)(4x^2-x-1)}$$

Sequence: A101617
Score: 5.73555
Type of gen. func.: ogf

$$-(f(x) - 11) \left(8 f(x) x^4 - 6 f(x) x^3 - 5 f(x) x^2 + 6 x^3 + 2 f(x) x + 2 x^2 + f(x) - 3 x - 1 \right)$$

Sequence: A101617
Score: 9.75984
Type of gen. func.: lgdogf

$$- \frac{48 x^6 + 32 x^5 - 54 x^4 - 20 x^3 + 11 x^2 + 6 x + 1}{(x - 1) (2 x + 1) (1 + 3 x) (2 x^2 - 1) (4 x^2 - x - 1)}$$

Sequence: A101622
Score: 13.5566
Type of gen. func.: ogf

$$\frac{x (4 x + 1)}{(x - 1) (-1 + 2 x) (x + 1)}$$

Sequence: A101622
Score: 14.3205
Type of gen. func.: lgdogf

$$- \frac{2 (8 x^3 + x^2 - x - 3)}{(x - 1) (-1 + 2 x) (4 x + 1) (x + 1)}$$

Sequence: A101622
Score: 6.71938
Type of gen. func.: ogf

$$-(27 f(x) - 2024) (2 f(x) x^3 - f(x) x^2 - 2 f(x) x - 4 x^2 + f(x) - x)$$

Sequence: A101622
Score: 6.96152
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - a(n + 1) + 2 a(n), a(0) = 0, a(1) = 1, a(2) = 6\}$$

Sequence: A101640
Score: 6.54486
Type of gen. func.: ogf

$$-(f(x) x^2 - 2 f(x) x + f(x) + 371599982 x - 371599983)^2$$

Sequence: A101641
Score: 6.54486
Type of gen. func.: ogf

$$-(f(x) x^2 - 2 f(x) x + f(x) + 499999983 x - 499999984)^2$$

Sequence: A101667
Score: 7.23572
Type of gen. func.: ogf

$$-\frac{x^{11} + 2 x^{10} + x^9 - 3 x^8 + 2 x^7 + x^6 - 3 x^5 + x^4 + 2 x^3 - 3 x^2 + x + 3}{(x - 1) (x + 1) (x^{10} - x^9 + x^8 - x^7 + x^6 - x^5 + x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A101675
Score: 16.0031
Type of gen. func.: ogf

$$-\frac{x^2 + x - 1}{(x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A101675
Score: 18.6921

Type of gen. func.: lgdogf

$$-\frac{2x^5+3x^4-4x^3+x^2-4x-1}{(x^2+x+1)(x^2-x+1)(x^2+x-1)}$$

Sequence: A101675
Score: 9.40388
Type of gen. func.: ogf

$$-(f(x)-4)(f(x)x^4+f(x)x^2+x^2+f(x)+x-1)$$

Sequence: A101676
Score: 16.2224
Type of gen. func.: lgdogf

$$-\frac{x(3x^5+2x^4-7x^3+6x^2-5x+4)}{(x-1)(x^2+x+1)(x^2-x+1)(x^2+x-1)}$$

Sequence: A101676
Score: 9.73101
Type of gen. func.: ogf

$$\frac{x^2+x-1}{(x-1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A101677
Score: 11.2188
Type of gen. func.: ogf

$$-\frac{x^2+x-1}{(x^2+x+1)(x^2-x+1)(x-1)^2}$$

Sequence: A101677

Score: 17.1091
Type of gen. func.: lgdogf

$$-\frac{4x^6+3x^5-7x^4+7x^3-5x^2+5x-1}{(x-1)(x^2+x+1)(x^2-x+1)(x^2+x-1)}$$

Sequence: A101686
Score: 6.43375
Type of gen. func.: ogf

$$\{(n^2+4n+5)a(n+1)-a(n+2),\ a(0)=1,\ a(1)=2\}$$

Sequence: A101785
Score: 27.3593
Type of gen. func.: revogf

$$\frac{x(x-1)(x+1)}{x^2-x-1}$$

Sequence: A101785
Score: 8.70249
Type of gen. func.: ogf

$$-x^2 f(x)^3+f(x)^2 x^2-f(x)x+f(x)-1$$

Sequence: A101786
Score: 24.7188
Type of gen. func.: revogf

$$\frac{x(2x^2-1)}{(2x+1)(x-1)}$$

Sequence: A101786
Score: 8.51781
Type of gen. func.: ogf

$$2 x^2 f(x)^3 - 2 f(x)^2 x^2 + f(x) x - f(x) + 1$$

Sequence: A101822
Score: 18.9364
Type of gen. func.: ogf

$$-\frac{1}{3 x^3 + 2 x^2 + x - 1}$$

Sequence: A101822
Score: 21.4701
Type of gen. func.: lgdogf

$$-\frac{9 x^2 + 4 x + 1}{3 x^3 + 2 x^2 + x - 1}$$

Sequence: A101822
Score: 6.25578
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 2 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 1, a(2) = 3\}$$

Sequence: A101822
Score: 6.73699
Type of gen. func.: ogf

$$-(10 f(x) - 9) (3 f(x) x^3 + 2 f(x) x^2 + f(x) x - f(x) + 1)$$

Sequence: A101825
Score: 10.3857
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 1), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 1\}$$

Sequence: A101825

Score: 12.333
Type of gen. func.: ogf

$$(5 f(x) + 12) (f(x) x^3 + x^3 + 2 x^2 - f(x) + x)$$

Sequence: A101825
Score: 18.6158
Type of gen. func.: ogf

$$-\frac{x (x + 1)^2}{(x - 1) (x^2 + x + 1)}$$

Sequence: A101825
Score: 27.0188
Type of gen. func.: lgdogf

$$-\frac{x^3 + 3 x^2 + 2}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A101825
Score: 33.9521
Type of gen. func.: egf]_with_Euler_transform]

$$\frac{(x - 2)^2}{2}$$

Sequence: A101850
Score: 10.4499
Type of gen. func.: lgdogf

$$\frac{4 - 15 x - 4 x^2 + 3 (-(4 x - 1) x^2)^{1/2}}{(4 x - 1) (x^2 + 8 x - 2)}$$

Sequence: A101850

Score: 6.91489
Type of gen. func.: ogf

$$f(x)^2 x^2 + 8 f(x)^2 x - 2 f(x)^2 - 2 f(x) x + f(x) + 1$$

Sequence: A101853
Score: 10.1578
Type of gen. func.: ogf

$$\frac{x^2 - 6 x + 6}{(x - 1)^4}$$

Sequence: A101853
Score: 21.4416
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 - 8 x + 9)}{(x - 1) (x^2 - 6 x + 6)}$$

Sequence: A101853
Score: 5.19176
Type of gen. func.: ogf

$(586 f(x) + 58327)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - x^2 + f(x) + 6 x - 6)$$

Sequence: A101854
Score: 23.9276
Type of gen. func.: lgdogf

$$- \frac{(3 x - 4) (x - 6)}{(x - 1) (x^2 - 6 x + 6)}$$

Sequence: A101854
Score: 3.82519

Type of gen. func.: ogf

$$\{(-6 n - 24) a(n + 4) + (60 + 12 n) a(n + 3) + (-36 - 7 n) a(n + 2) + (n + 4) a(n + 1), a(0) = 6, a(1) = 24, a(2) = 61, a(3) = 125\}$$

Sequence: A101854
Score: 9.87770
Type of gen. func.: ogf

$$-\frac{x^2 - 6 x + 6}{(x - 1)^5}$$

Sequence: A101855
Score: 20.8043
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^2 - 14 x + 15)}{(x - 1) (x^2 - 6 x + 6)}$$

Sequence: A101855
Score: 3.74162
Type of gen. func.: ogf

$$\{(-6 n - 24) a(n + 4) + (66 + 12 n) a(n + 3) + (-42 - 7 n) a(n + 2) + (5 + n) a(n + 1), a(0) = 6, a(1) = 30, a(2) = 91, a(3) = 216\}$$

Sequence: A101855
Score: 8.67375
Type of gen. func.: ogf

$$\frac{x^2 - 6 x + 6}{(x - 1)^6}$$

Sequence: A101859
Score: 14.5325

Type of gen. func.: ogf

$$\frac{x (10 x - 11)}{(x - 1)^3}$$

Sequence: A101859
Score: 31.3172
Type of gen. func.: lgdogf

$$- \frac{-23 + 20 x}{(x - 1) (10 x - 11)}$$

Sequence: A101859
Score: 7.20521
Type of gen. func.: ogf

$$-(205 f(x) - 88578) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 10 x^2 - f(x) + 11 x)$$

Sequence: A101859
Score: 7.58778
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 11, a(2) = 23\}$$

Sequence: A101860
Score: 15.1574
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^3 - 15 x^2 + 12)}{(x - 1) (10 x^3 - 30 x^2 + 20 x + 1)}$$

Sequence: A101860
Score: 3.78784
Type of gen. func.: ogf

$$\{(431 n^2 + 2517 n + 3310) a(n + 1) + (-908 n^2 - 5046 n - 6604) a(n + 2)$$

$+ (477 n^2 + 2391 n + 2880) a(n + 3), a(0) = 1, a(1) = 24, a(2) = 60\}$

Sequence: A101860
Score: 5.22461
Type of gen. func.: ogf

$$(25 f(x) + 77751) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 10 x^3 - 4 f(x) x + 30 x^2 + f(x) - 20 x - 1)$$

Sequence: A101860
Score: 9.46960
Type of gen. func.: ogf

$$\frac{10 x^3 - 30 x^2 + 20 x + 1}{(x - 1)^4}$$

Sequence: A101861
Score: 13.7828
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 39 x^2 + 116 x - 84}{(x - 1) (x - 2) (x^2 - 12 x + 12)}$$

Sequence: A101861
Score: 3.99474
Type of gen. func.: ogf

$$\{(-4 n^2 - 25 n - 39) a(n + 1) + (8 n^2 + 23 n - 63) a(n + 2) + (-4 n^2 + 2 n + 42) a(n + 3), a(0) = 24, a(1) = 84, a(2) = 194\}$$

Sequence: A101861
Score: 8.12264
Type of gen. func.: ogf

$$\frac{(x - 2) (x^2 - 12 x + 12)}{(x - 1)^5}$$

Sequence: A101862
Score: 13.2603
Type of gen. func.: lgdogf

$$- \frac{3 x^3 - 53 x^2 + 152 x - 108}{(x - 1) (x - 2) (x^2 - 12 x + 12)}$$

Sequence: A101862
Score: 4.45992
Type of gen. func.: ogf

$$\{(-4 n^2 - 33 n - 68) a(n + 1) + (8 n^2 + 31 n - 69) a(n + 2)$$

$$+ (-4 n^2 + 2 n + 42) a(n + 3), a(0) = 24, a(1) = 108, a(2) = 302\}$$

Sequence: A101862
Score: 8.28915
Type of gen. func.: ogf

$$- \frac{(x - 2) (x^2 - 12 x + 12)}{(x - 1)^6}$$

Sequence: A101879
Score: 11.1549
Type of gen. func.: lgdogf

$$- \frac{2 x^4 - 8 x^3 + 13 x^2 - 6 x + 1}{(x - 1) (x^2 - 4 x + 1) (2 x^2 - 4 x + 1)}$$

Sequence: A101879

Score: 12.9464
Type of gen. func.: ogf

$$-\frac{2 x^2 - 4 x + 1}{(x - 1) (x^2 - 4 x + 1)}$$

Sequence: A101879
Score: 7.05117
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 5 a(n + 1) + a(n), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A101879
Score: 7.11471
Type of gen. func.: ogf

$$(5 f(x) + 3) (f(x) x^3 - 5 f(x) x^2 + 5 f(x) x + 2 x^2 - f(x) - 4 x + 1)$$

Sequence: A101881
Score: 11.0676
Type of gen. func.: ogf

$$\frac{x^3 - x - 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A101881
Score: 18.5755
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + x^3 - x^2 - 6 x - 2}{(x - 1) (x + 1) (x^3 - x - 1)}$$

Sequence: A101882
Score: 10.8911
Type of gen. func.: lgdogf

$$-\frac{2x^{7}+4x^{6}+2x^{5}+x^{4}-3x^{3}-9x^{2}-4x-2}{(x-1)(x^{2}+x+1)(x^{5}+x^{4}-x^{2}-x-1)}$$

Sequence: A101882
Score: 9.19420
Type of gen. func.: ogf

$$\frac{x^{5}+x^{4}-x^{2}-x-1}{(x^{2}+x+1)^{2}(x-1)^{3}}$$

Sequence: A101883
Score: 7.92751
Type of gen. func.: lgdogf

$$-\frac{2x^{10}+4x^{9}+6x^{8}+3x^{7}+3x^{6}-x^{5}-5x^{4}-12x^{3}-6x^{2}-4x-2}{(x-1)(x+1)(x^{2}+1)(x^{7}+x^{6}+x^{5}-x^{3}-x^{2}-x-1)}$$

Sequence: A101883
Score: 8.08070
Type of gen. func.: ogf

$$\frac{x^{7}+x^{6}+x^{5}-x^{3}-x^{2}-x-1}{(x^{2}+1)^{2}(x+1)^{2}(x-1)^{3}}$$

Sequence: A101890
Score: 12.2733
Type of gen. func.: lgdogf

$$-\frac{(3x^{2}-3x+1)(x^{2}+x-3)}{(x-1)(x^{4}+2x^{3}-5x^{2}+4x-1)}$$

Sequence: A101890
Score: 6.2582
Type of gen. func.: ogf

$$f(x) x^4 + 2 f(x) x^3 - 5 f(x) x^2 - x^3 + 4 f(x) x + x^2 - f(x)$$

Sequence: A101890
Score: 9.70475
Type of gen. func.: ogf

$$\frac{x^2 (x - 1)}{x^4 + 2 x^3 - 5 x^2 + 4 x - 1}$$

Sequence: A101891
Score: 12.8937
Type of gen. func.: lgdogf

$$- \frac{x^4 - 4 x^3 - x^2 + 2 x - 1}{(x - 1) (x^4 + 2 x^3 - 5 x^2 + 4 x - 1)}$$

Sequence: A101891
Score: 5.24135
Type of gen. func.: ogf

$$-f(x) (f(x) x^4 + 2 f(x) x^3 - 5 f(x) x^2 - x^3 + 4 f(x) x + 3 x^2 - f(x) - 3 x + 1)$$

Sequence: A101891
Score: 9.05325
Type of gen. func.: ogf

$$\frac{(x - 1)^3}{x^4 + 2 x^3 - 5 x^2 + 4 x - 1}$$

Sequence: A101892
Score: 10.1527

Type of gen. func.: ogf

$$\frac{x^2 (x-1)}{(2x^2-2x+1)(x^2+2x-1)}$$

Sequence: A101892
Score: 11.3716
Type of gen. func.: lgdogf

$$-\frac{6x^4-4x^3-11x^2+10x-3}{(x-1)(2x^2-2x+1)(x^2+2x-1)}$$

Sequence: A101892
Score: 5.78953
Type of gen. func.: ogf

$$f(x)\,(2 f(x) x^4 + 2 f(x) x^3 - 5 f(x) x^2 - x^3 + 4 f(x) x + x^2 - f(x))$$

Sequence: A101893
Score: 11.3188
Type of gen. func.: ogf

$$\frac{x^2 (x-1)}{2x^4-4x^2+4x-1}$$

Sequence: A101893
Score: 12.8989
Type of gen. func.: lgdogf

$$-\frac{6x^4-8x^3-4x^2+8x-3}{(x-1)(2x^4-4x^2+4x-1)}$$

Sequence: A101893

Score: 7.75779
Type of gen. func.: ogf

$$2 f(x) x^{4} - 4 f(x) x^{2} - x^{3} + 4 f(x) x + x^{2} - f(x)$$

Sequence: A101912
Score: 4.90727
Type of gen. func.: ogf

$$\frac{x^{20} + x^{18} + x^{16} + x^{10} + x^{8} + x^{4} + x^{2} + 1}{x^{21} + x^{20} + x^{18} + x^{17} + x^{16} + x^{10} + x^{9} + x^{8} + x^{5} + x^{4} + x^{2} + x + 1}$$

Sequence: A101914
Score: 12.0478
Type of gen. func.: ogf

$$\frac{x^{16} + x^{4} + 1}{x^{17} + x^{16} + x^{4} + x + 1}$$

Sequence: A101915
Score: 12.1198
Type of gen. func.: ogf

$$\frac{(x^{2} + x + 1) (x^{8} - x^{7} + x^{5} - x^{4} + x^{3} - x + 1) (x^{15} - x^{10} + 1)}{x^{26} + x^{25} + x^{5} + x + 1}$$

Sequence: A101916
Score: 8.92342
Type of gen. func.: ogf

$$- \frac{x^{37} - x^{36} + x^{31} - x^{6} - 1}{x^{36} - x^{32} - x^{31} + x^{6} + x + 1}$$

Sequence: A101917
Score: 18.6475
Type of gen. func.: ogf

$$\frac{(x+1)(x^6-x^5+x^4-x^3+x^2-x+1)}{x^7+x+1}$$

Sequence: A101917
Score: 19.4377
Type of gen. func.: lgdogf

$$\frac{6x^7-1}{(x+1)(x^6-x^5+x^4-x^3+x^2-x+1)(x^7+x+1)}$$

Sequence: A101918
Score: 19.2214
Type of gen. func.: ogf

$$\frac{x^8+1}{(x^2+x+1)(x^6-x^5+x^3-x^2+1)}$$

Sequence: A101918
Score: 22.1622
Type of gen. func.: lgdogf

$$\frac{7x^8-1}{(x^6-x^5+x^3-x^2+1)(x^2+x+1)(x^8+1)}$$

Sequence: A101927
Score: 4.73954
Type of gen. func.: ogf

$$\{(4n^2+12n+10)a(n+1)+a(n+2), a(0)=1, a(1)=-2\}$$

Sequence: A101928
Score: 7.58474
Type of gen. func.: ogf

$$\{(4 n^2 + 8 n + 5) a(n + 1) + a(n + 2), a(0) = 1, a(1) = -1\}$$

Sequence: A101945
Score: 11.2072
Type of gen. func.: ogf

$$\frac{2 x^2 - 2 x - 1}{(-1 + 2 x) (x - 1)^2}$$

Sequence: A101945
Score: 13.4007
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^3 - 2 x^2 - 4 x + 3)}{(x - 1) (-1 + 2 x) (2 x^2 - 2 x - 1)}$$

Sequence: A101945
Score: 5.84308
Type of gen. func.: ogf

$$(1297 f(x) - 6834) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x - 2 x^2 - f(x) + 2 x + 1)$$

Sequence: A101945
Score: 6.04992
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 6, a(2) = 17\}$$

Sequence: A101946
Score: 13.6198
Type of gen. func.: ogf

$$-\frac{2 x^2 + 1}{(-1 + 2 x) (x - 1)^2}$$

Sequence: A101946
Score: 14.8897
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^3 + 2 x^2 + x - 2)}{(x - 1) (-1 + 2 x) (2 x^2 + 1)}$$

Sequence: A101946
Score: 6.87014
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 4, a(2) = 13\}$$

Sequence: A101946
Score: 6.99392
Type of gen. func.: ogf

$$(345 f(x) - 158) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x + 2 x^2 - f(x) + 1)$$

Sequence: A101947
Score: 13.1492
Type of gen. func.: lgdogf

$$\frac{9 x^{11} - 19 x^{10} + 10 x^9 + 2}{(x - 1) (x^2 - x + 1) (x^9 - x^7 - x^6 + x^4 + x^3 - x - 1)}$$

Sequence: A101947
Score: 15.2221
Type of gen. func.: ogf

$$-\frac{(x^2 - x + 1) (x^9 - x^7 - x^6 + x^4 + x^3 - x - 1)}{}$$

$$(x - 1)^2$$

Sequence: A101947
Score: 9.83696
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{32} - x^{29} - 2 x^{22} + x^{10} + x^{9} + 2}{x^{22} - x^{10} - 1}$$

Sequence: A101986
Score: 10.2914
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x - 2)}{(x - 1)^4}$$

Sequence: A101986
Score: 23.1268
Type of gen. func.: lgdogf

$$-\frac{2 x^2 - x - 9}{(x - 1) (x - 2) (x + 1)}$$

Sequence: A101986
Score: 3.81356
Type of gen. func.: ogf

$$\{(-6 - 2 n) a(n + 4) + (11 + n) a(n + 3) + (3 + 2 n) a(n + 2)$$

$$+ (-2 - n) a(n + 1), a(0) = 0, a(1) = 2, a(2) = 9, a(3) = 23\}$$

Sequence: A101986
Score: 5.40483
Type of gen. func.: ogf

$(1280 f(x) + 8687)$

4 3 2 3 2

```
    (f(x) x  - 4 f(x) x  + 6 f(x) x  + x  - 4 f(x) x - x  + f(x) - 2 x)
```

Sequence: A101990
Score: 10.1422
Type of gen. func.: lgdogf

```
                                      3       2
                       (1 + 3 x) (27 x  - 21 x  + 9 x + 1)
                    - -------------------------------------
                                    2           2
                      (3 x - 1) (3 x  + 1) (9 x  - 2 x + 1)
```

Sequence: A101990
Score: 12.2909
Type of gen. func.: ogf

```
                                     2
                                  9 x  - 2 x + 1
                             - ---------------------
                                             2
                               (3 x - 1) (3 x  + 1)
```

Sequence: A101990
Score: 6.40809
Type of gen. func.: ogf

```
                            3           2                 2
   -(19 f(x) - 23) (9 f(x) x  - 3 f(x) x  + 3 f(x) x + 9 x  - f(x) - 2 x + 1)
```

Sequence: A101990
Score: 6.69415
Type of gen. func.: ogf

```
  {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - 9 a(n), a(0) = 1, a(1) = 1, a(2) = 9}
```

Sequence: A102000
Score: 5.19204
Type of gen. func.: ogf

```
                     4           3           2      3
 (f(x) - 1) (8 f(x) x  + 4 f(x) x  + 2 f(x) x  - 4 x  + f(x) x - f(x) + x + 1)
```

Sequence: A102000
Score: 9.11727
Type of gen. func.: lgdogf

$$-\frac{2\,(16\,x^{6}-16\,x^{4}-24\,x^{3}-x^{2}-2\,x-1)}{(4\,x^{3}-x-1)\,(8\,x^{4}+4\,x^{3}+2\,x^{2}+x-1)}$$

Sequence: A102000
Score: 9.70684
Type of gen. func.: ogf

$$\frac{4\,x^{3}-x-1}{8\,x^{4}+4\,x^{3}+2\,x^{2}+x-1}$$

Sequence: A102001
Score: 12.4339
Type of gen. func.: ogf

$$-\frac{4\,x^{2}+2\,x+1}{4\,x^{3}+2\,x^{2}+x-1}$$

Sequence: A102001
Score: 6.77204
Type of gen. func.: ogf

$$\{a(n+3)-a(n+2)-2\,a(n+1)-4\,a(n),\ a(0)=1,\ a(1)=3,\ a(2)=9\}$$

Sequence: A102001
Score: 6.83304
Type of gen. func.: ogf

$$(7\,f(x)+2)\,(4\,f(x)\,x^{3}+2\,f(x)\,x^{2}+f(x)\,x+4\,x^{2}-f(x)+2\,x+1)$$

Sequence: A102001
Score: 6.87785
Type of gen. func.: lgdogf

$$-\frac{16 x^4 + 16 x^3 + 12 x^2 + 12 x + 3}{(4 x^2 + 2 x + 1) (4 x^3 + 2 x^2 + x - 1)}$$

Sequence: A102002
Score: 12.3431
Type of gen. func.: lgdogf

$$-\frac{16 x^4 + 48 x^3 + 20 x^2 + 12 x + 7}{(4 x^2 + 6 x + 1) (4 x^3 + 2 x^2 + x - 1)}$$

Sequence: A102002
Score: 12.7684
Type of gen. func.: ogf

$$-\frac{4 x^2 + 6 x + 1}{4 x^3 + 2 x^2 + x - 1}$$

Sequence: A102002
Score: 6.89269
Type of gen. func.: ogf

$$(17 f(x) + 19) (4 f(x) x^3 + 2 f(x) x^2 + f(x) x + 4 x^2 - f(x) + 6 x + 1)$$

Sequence: A102002
Score: 6.89270
Type of gen. func.: ogf

$\{a(n + 3) - a(n + 2) - 2 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 7, a(2) = 13\}$

Sequence: A102026
Score: 6.24458
Type of gen. func.: lgdogf

10 9 8 7 6 5 4 3 2

$$\frac{x + 2 x + 4 x + 8 x + 15 x + 14 x + 10 x + 8 x + 7 x + 6 x + 4}{(x^5 + x^4 + x^3 + x^2 + x - 1) (x^6 + 2 x^5 + x^4 - x^2 - 2 x - 2)}$$

Sequence: A102026
Score: 7.00011
Type of gen. func.: ogf

$$\frac{x^6 + 2 x^5 + x^4 - x^2 - 2 x - 2}{x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A102039
Score: 10.5271
Type of gen. func.: ogf

$$\frac{5 x^4 + 2 x^3 + 2 x^2 + 1}{(x^2 + 1) (x - 1)^2}$$

Sequence: A102039
Score: 12.3007
Type of gen. func.: lgdogf

$$- \frac{2 (6 x^5 - 2 x^4 + 9 x^3 + 5 x^2 + x + 1)}{(x - 1) (5 x^4 + 2 x^3 + 2 x^2 + 1) (x^2 + 1)}$$

Sequence: A102039
Score: 5.88064
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^4 - 2 f(x) x^3 - 5 x^4 + 2 f(x) x^2 - 2 x^3 - 2 f(x) x - 2 x^2 + f(x) - 1)$$

Sequence: A102040
Score: 10.3821
Type of gen. func.: ogf

$$\frac{5x^4-4x^3+6x^2+3}{(x^2+1)(x-1)^2}$$

Sequence: A102040
Score: 13.0918
Type of gen. func.: lgdogf

$$-\frac{2(3x^5-x^4+12x^3+3x+3)}{(x-1)(x^2+1)(5x^4-4x^3+6x^2+3)}$$

Sequence: A102040
Score: 5.75996
Type of gen. func.: ogf

$$-(2f(x)+13)\,(f(x)x^4-2f(x)x^3-5x^4+2f(x)x^2+4x^3-2f(x)x-6x^2+f(x)-3)$$

Sequence: A102041
Score: 10.2870
Type of gen. func.: ogf

$$-\frac{5x^4-4x^3-4x^2-7}{(x^2+1)(x-1)^2}$$

Sequence: A102041
Score: 11.0425
Type of gen. func.: lgdogf

$$-\frac{2(3x^5-11x^4+12x^3-20x^2+3x-7)}{(x-1)(x^2+1)(5x^4-4x^3-4x^2-7)}$$

Sequence: A102041
Score: 4.36255
Type of gen. func.: ogf

$$\{(-n - 4)\, a(n) + (n + 3)\, a(n + 1) + (-n - 4)\, a(n + 2) + (n + 3)\, a(n + 3),$$

$$a(0) = 7, a(1) = 14, a(2) = 18, a(3) = 26\}$$

Sequence: A102041
Score: 5.70718
Type of gen. func.: ogf

$$-(3 f(x) + 79) ($$

$$f(x) x^4 - 2 f(x) x^3 + 5 x^4 + 2 f(x) x^2 - 4 x^3 - 2 f(x) x - 4 x^2 + f(x) - 7)$$

Sequence: A102042
Score: 10.3367
Type of gen. func.: ogf

$$-\frac{5 x^4 + 2 x^3 - 8 x^2 - 9}{(x^2 + 1) (x - 1)^2}$$

Sequence: A102042
Score: 11.5658
Type of gen. func.: lgdogf

$$-\frac{2 (6 x^5 - 12 x^4 + 9 x^3 - 15 x^2 + x - 9)}{(x - 1) (x^2 + 1) (5 x^4 + 2 x^3 - 8 x^2 - 9)}$$

Sequence: A102042
Score: 5.85506
Type of gen. func.: ogf

$$(2 f(x) + 143) ($$

$$f(x) x^4 - 2 f(x) x^3 + 5 x^4 + 2 f(x) x^2 + 2 x^3 - 2 f(x) x - 8 x^2 + f(x) - 9)$$

Sequence: A102071
Score: 4.11614
Type of gen. func.: ogf

$$\{(-3 n^2 - 15 n - 18) a(n + 1) + (-5 n^2 - 40 n - 75) a(n + 2) + (-n^2 - 13 n - 45) a(n + 3) + (n^2 + 12 n + 32) a(n + 4),\ a(0) = 1,\ a(1) = 3,\ a(2) = 7,\ a(3) = 17\}$$

Sequence: A102071
Score: 9.11706
Type of gen. func.: ogf

$$-f(x)^2 x^4 - f(x) x^3 - 3 f(x) x^2 - f(x) x - x^2 + f(x) - 2 x - 1$$

Sequence: A102080
Score: 11.9642
Type of gen. func.: ogf

$$-\frac{2 (2 x^3 - 4 x - 1)}{(x + 1) (x^3 - x^2 - 3 x + 1)}$$

Sequence: A102080
Score: 6.18486
Type of gen. func.: ogf

$$(1739 f(x) - 13258) (f(x) x^4 - 4 f(x) x^2 + 4 x^3 - 2 f(x) x + f(x) - 8 x - 2)$$

Sequence: A102080
Score: 7.58759
Type of gen. func.: lgdogf

$$-\frac{x^6 + 4 x^5 - 8 x^4 - 20 x^3 + 17 x^2 + 44 x + 16}{(x + 1) (x^3 - x^2 - 3 x + 1) (x^3 + 2 x^2 - 4 x - 6)}$$

Sequence: A102081
Score: 3.18279
Type of gen. func.: ogf

$$-(235 f(x) - 1144)$$

$$(f(x) x^4 + f(x) x^3 - 2 f(x) x^2 + 4 x^3 - f(x) x + 3 x^2 + f(x) - 4 x - 1)$$

Sequence: A102081
Score: 6.03490
Type of gen. func.: ogf

$$-\frac{4 x^3 + 3 x^2 - 4 x - 1}{(x - 1) (x + 1) (x^2 + x - 1)}$$

Sequence: A102081
Score: 9.07220
Type of gen. func.: lgdogf

$$-\frac{x^6 + 10 x^5 + 10 x^4 - 16 x^3 - 15 x^2 + 10 x + 4}{(x - 1) (x + 1) (x^2 + x - 1) (x^3 + 5 x^2 + x - 5)}$$

Sequence: A102083
Score: 13.5689
Type of gen. func.: ogf

$$-\frac{5 x^2 + 10 x + 1}{(x - 1)^3}$$

Sequence: A102083
Score: 22.3255
Type of gen. func.: lgdogf

$$-\frac{5 x^2 + 30 x + 13}{(x - 1) (5 x^2 + 10 x + 1)}$$

Sequence: A102083
Score: 7.25235
Type of gen. func.: ogf

$$(121 f(x) - 751) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 5 x^2 - f(x) + 10 x + 1)$$

Sequence: A102083
Score: 7.37958
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 13, a(2) = 41\}$$

Sequence: A102090
Score: 3.79121
Type of gen. func.: ogf

$$- \frac{3 x^7 + 5 x^6 - 40 x^5 - 36 x^4 + 122 x^3 + 66 x^2 - 87 x - 47}{(x + 1) (x^2 - x - 1) (x^5 - x^4 - 9 x^3 + 9 x^2 + 5 x - 1)}$$

Sequence: A102091
Score: 10.4516
Type of gen. func.: lgdogf

$$- \frac{2 (x^4 - 7 x^3 + 17 x^2 - 13 x + 4)}{(x - 1) (x - 3) (-1 + 2 x) (x^2 - 4 x + 1)}$$

Sequence: A102091
Score: 12.0580
Type of gen. func.: ogf

$$- \frac{4 (-1 + 2 x) (x - 3)}{(x - 1) (x^2 - 4 x + 1)}$$

Sequence: A102091

Score: 6.38365
Type of gen. func.: ogf

$$(3417 f(x) + 7726) (f(x) x^3 - 5 f(x) x^2 + 5 f(x) x + 8 x^2 - f(x) - 28 x + 12)$$

Sequence: A102091
Score: 6.54876
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 5 a(n + 1) + a(n), a(0) = 12, a(1) = 32, a(2) = 108\}$$

Sequence: A102094
Score: 10.2772
Type of gen. func.: ogf

$$\frac{x^3 - x^2 + 39 x + 9}{(x - 1)^4}$$

Sequence: A102094
Score: 18.3065
Type of gen. func.: lgdogf

$$- \frac{x^3 + x^2 + 115 x + 75}{(x - 1) (x^3 - x^2 + 39 x + 9)}$$

Sequence: A102094
Score: 4.30981
Type of gen. func.: ogf

$$\{(-2 n^2 - 11 n - 14) a(n + 1) + (-10 n^2 - 97 n - 204) a(n + 2)$$

$$+ (12 n^2 + 66 n + 90) a(n + 3), a(0) = 9, a(1) = 75, a(2) = 245\}$$

Sequence: A102094
Score: 5.30877
Type of gen. func.: ogf

$(2932416 f(x) + 82460663)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x + x^2 + f(x) - 39 x - 9)$$

Sequence: A102105
Score: 11.3973
Type of gen. func.: ogf

$$\frac{2 x^2 - 3 x - 1}{(x - 1) (3 x - 1) (5 x - 1)}$$

Sequence: A102105
Score: 5.69864
Type of gen. func.: ogf

$(10361852 f(x) - 5642347)$

$$(15 f(x) x^3 - 23 f(x) x^2 + 9 f(x) x - 2 x^2 - f(x) + 3 x + 1)$$

Sequence: A102105
Score: 6.18989
Type of gen. func.: ogf

$\{a(n + 3) - 9 a(n + 2) + 23 a(n + 1) - 15 a(n), a(0) = 1, a(1) = 12, a(2) = 83\}$

Sequence: A102105
Score: 8.38346
Type of gen. func.: lgdogf

$$- \frac{2 (15 x^4 - 45 x^3 + 3 x^2 + 25 x - 6)}{(x - 1) (3 x - 1) (5 x - 1) (2 x^2 - 3 x - 1)}$$

Sequence: A102126
Score: 3.54222
Type of gen. func.: ogf

$$x^6 - 2 x^5 + 2 x^4 - 3 x^2 + 2 x + 1$$

$$\frac{}{(x - 1)^2}$$

Sequence: A102129
Score: 10.6943
Type of gen. func.: lgdogf

$$-\frac{2 (x + 2) (x^3 - 3 x^2 - x - 1)}{(x - 1) (2 x + 1) (x + 1) (x^2 + 4 x - 1)}$$

Sequence: A102129
Score: 11.9785
Type of gen. func.: ogf

$$\frac{(2 x + 1) (x - 1)}{(x + 1) (x^2 + 4 x - 1)}$$

Sequence: A102129
Score: 6.24517
Type of gen. func.: ogf

$$(8072 f(x) - 3821) (f(x) x^3 + 5 f(x) x^2 + 3 f(x) x - 2 x^2 - f(x) + x + 1)$$

Sequence: A102129
Score: 6.46625
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + 5 a(n + 1) + a(n), a(0) = 1, a(1) = 4, a(2) = 15\}$$

Sequence: A102147
Score: 2.97202
Type of gen. func.: egf]

$$-72 f(x)^2 x^3 + 108 f(x)^2 x^2 + 96 f(x) x^3 - 54 f(x)^2 x - 144 f(x) x^2 - 32 x^3 + 9 f(x)^2 + 72 f(x) x + 48 x^2 - 12 f(x) - 24 x + 3$$

Sequence: A102147
Score: 3.65310
Type of gen. func.: ogf

$$\{(4 n^2 + 6 n) a(n) + (-2 n^2 - 11 n - 10) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A102206
Score: 10.4876
Type of gen. func.: lgdogf

$$- \frac{2 (x^4 - 7 x^3 + 17 x^2 - 13 x + 4)}{(x - 1) (x - 3) (-1 + 2 x) (x^2 - 4 x + 1)}$$

Sequence: A102206
Score: 12.4449
Type of gen. func.: ogf

$$- \frac{(-1 + 2 x) (x - 3)}{(x - 1) (x^2 - 4 x + 1)}$$

Sequence: A102206
Score: 6.27386
Type of gen. func.: ogf

$$-(6834 f(x) + 3863) (f(x) x^3 - 5 f(x) x^2 + 5 f(x) x + 2 x^2 - f(x) - 7 x + 3)$$

Sequence: A102206
Score: 6.71803
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 5 a(n + 1) + a(n), a(0) = 3, a(1) = 8, a(2) = 27\}$$

Sequence: A102207

Score: 11.6546
Type of gen. func.: ogf

$$\frac{3 x - 4}{(x - 1) (x^2 - 4 x + 1)}$$

Sequence: A102207
Score: 12.1030
Type of gen. func.: lgdogf

$$- \frac{6 x^3 - 27 x^2 + 40 x - 17}{(x - 1) (3 x - 4) (x^2 - 4 x + 1)}$$

Sequence: A102207
Score: 5.41835
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 5 a(n + 1) + a(n), a(0) = 4, a(1) = 17, a(2) = 65\}$$

Sequence: A102207
Score: 5.5648
Type of gen. func.: ogf

$$-(5310 f(x) + 89) (f(x) x^3 - 5 f(x) x^2 + 5 f(x) x - f(x) - 3 x + 4)$$

Sequence: A102214
Score: 13.1915
Type of gen. func.: ogf

$$- \frac{(2 x + 1)^2}{(x + 1) (x - 1)^3}$$

Sequence: A102214
Score: 21.9245
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^2 + 4 x + 3)}{(x - 1) (2 x + 1) (x + 1)}$$

Sequence: A102214
Score: 4.21299
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) - 2 n a(n + 3) + (10 + n) a(n + 2) + (6 + 2 n) a(n + 1),$$
$$a(0) = 1, a(1) = 6, a(2) = 16, a(3) = 30\}$$

Sequence: A102214
Score: 6.87761
Type of gen. func.: ogf

$$-(f(x) + 137) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x + 4 x^2 - f(x) + 4 x + 1)$$

Sequence: A102231
Score: 5.04544
Type of gen. func.: revogf

$$(12 n^2 - 6 n) a(n) + (-29 n^2 - 77 n - 80) a(n + 1)$$
$$+ (8 n^2 + 56 n + 128) a(n + 2) + (4 n^2 + 28 n + 40) a(n + 3), a(0) = 0,$$
$$a(1) = 1, a(2) = -5$$

Sequence: A102231
Score: 5.51102
Type of gen. func.: ogf

$$f(x)^2 x^2 - f(x)^3 + 9 f(x)^2 x + 4 f(x)^2 + 16 f(x) x - 4 f(x) + 4 x$$

Sequence: A102237
Score: 8.35180
Type of gen. func.: lgdogf

$$\frac{256 x^5 - 16 x^4 - 144 x^3 + 48 x^2 - 12 x + 9}{}$$

$$(-1 + 2 x) (32 x^5 + 24 x^4 - 12 x^3 + 6 x^2 - 5 x - 2)$$

Sequence: A102237
Score: 9.58656
Type of gen. func.: ogf

$$\frac{32 x^5 + 24 x^4 - 12 x^3 + 6 x^2 - 5 x - 2}{-1 + 2 x}$$

Sequence: A102239
Score: 10.0839
Type of gen. func.: ogf

$$- \frac{5 x^2 - 2 x - 1}{(x - 1) (5 x - 1) (x + 1)}$$

Sequence: A102239
Score: 5.34885
Type of gen. func.: ogf

$$(1302 f(x) + 55) (5 f(x) x^3 - f(x) x^2 - 5 f(x) x + 5 x^2 + f(x) - 2 x - 1)$$

Sequence: A102239
Score: 5.44351
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) - a(n + 1) + 5 a(n), a(0) = 1, a(1) = 7, a(2) = 31\}$$

Sequence: A102239
Score: 9.56750
Type of gen. func.: lgdogf

$$- \frac{25 x^4 - 20 x^3 + 12 x^2 - 8 x + 7}{(x - 1) (5 x - 1) (x + 1) (5 x^2 - 2 x - 1)}$$

Sequence: A102260
Score: 9.82952
Type of gen. func.: ogf

$$-(2 f(x) x - f(x) + 5)^{3}$$

Sequence: A102283
Score: 10.2272
Type of gen. func.: ogf

$$(f(x) - 1) (f(x) x^{2} + f(x) x + f(x) - x)$$

Sequence: A102283
Score: 10.2272
Type of gen. func.: ogf

$$\{-a(n + 2) - a(n + 1) - a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A102283
Score: 22.3893
Type of gen. func.: ogf

$$\frac{x}{x^{2} + x + 1}$$

Sequence: A102283
Score: 33.0680
Type of gen. func.: ogf_with_Euler_transform]

$$[x^{2} - 1]$$

Sequence: A102283
Score: 63.0870
Type of gen. func.: lgdogf

$$-\frac{2 x + 1}{2}$$

$$x + x + 1$$

Sequence: A102285
Score: 12.8450
Type of gen. func.: ogf

$$-\frac{x - 1}{7 x^{2} - 6 x + 1}$$

Sequence: A102285
Score: 13.7966
Type of gen. func.: revogf

$$-\frac{-1 - 6 x + (8 x^{2} + 8 x + 1)^{1/2}}{2 (7 x + 1)}$$

Sequence: A102285
Score: 16.1617
Type of gen. func.: lgdogf

$$-\frac{7 x^{2} - 14 x + 5}{(x - 1) (7 x^{2} - 6 x + 1)}$$

Sequence: A102285
Score: 6.72122
Type of gen. func.: ogf

$$(16 f(x) + 9) (7 f(x) x^{2} - 6 f(x) x + f(x) + x - 1)$$

Sequence: A102285
Score: 7.04907
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 7 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A102289
Score: 3.59875
Type of gen. func.: ogf

$$\{(n^3 + 8 n^2 + 20 n + 16) a(n + 1) + (-n^2 - 8 n - 16) a(n + 2) + (-n - 4) a(n + 3) + a(n + 4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 15\}$$

Sequence: A102289
Score: 8.14121
Type of gen. func.: lgdegf]

$$- \frac{2 x^5 - 8 x^4 + 7 x^3 - 8 x^2 + 9 x + 2}{(x + 1) (x^3 - 2 x^2 - 1) (x - 1)^2}$$

Sequence: A102290
Score: 10.3055
Type of gen. func.: lgdegf]

$$- \frac{3 x^4 - 7 x^3 + 14 x^2 - 11 x - 3}{(x + 1) (x^2 - x + 2) (x - 1)^2}$$

Sequence: A102290
Score: 4.45036
Type of gen. func.: egf]

$$\{(n + 1) a(n + 3) + (-1 - n) a(n + 2) + (-2 - n) a(n + 1) + n a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A102296
Score: 10.9907
Type of gen. func.: ogf

$$\frac{(x + 1) (3 x + 2)}{(x - 1)^4}$$

Sequence: A102296
Score: 20.6584
Type of gen. func.: lgdogf

$$-\frac{6 x^{2} + 21 x + 13}{(x - 1) (3 x + 2) (x + 1)}$$

Sequence: A102296
Score: 3.77292
Type of gen. func.: ogf

$$\{(8 + 2 n) a(n + 4) + (-4 + 3 n) a(n + 3) + (-25 - 2 n) a(n + 2) + (-9 - 3 n) a(n + 1), a(0) = 2, a(1) = 13, a(2) = 43, a(3) = 102\}$$

Sequence: A102296
Score: 5.26637
Type of gen. func.: ogf

$$(47956000 f(x) + 211472609) (f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 4 f(x) x - 3 x^{2} + f(x) - 5 x - 2)$$

Sequence: A102301
Score: 14.0190
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (x + 1) (-1 + 2 x)^{2}}$$

Sequence: A102301
Score: 19.2417
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^{2} - x - 2)}{(x - 1) (-1 + 2 x) (x + 1)}$$

Sequence: A102301

Score: 3.43464
Type of gen. func.: ogf

$$\{(-n - 4)\, a(n + 4) + (10 + 2 n)\, a(n + 3) + (n + 4)\, a(n + 2) + (-10 - 2 n)\, a(n + 1),\ a(0) = 1,\ a(1) = 4,\ a(2) = 13,\ a(3) = 36\}$$

Sequence: A102301
Score: 6.5794
Type of gen. func.: ogf

$$(14 f(x) - 13) (4 f(x) x^4 - 4 f(x) x^3 - 3 f(x) x^2 + 4 f(x) x - f(x) + 1)$$

Sequence: A102302
Score: 11.9816
Type of gen. func.: lgdogf

$$- \frac{x^7 + 3 x^6 - x^5 + x^4 - 11 x^3 - x^2 - 5 x - 3}{(x - 1) (x + 1) (x^2 + 1) (x^4 + x^3 - x^2 - 3)}$$

Sequence: A102302
Score: 12.3816
Type of gen. func.: ogf

$$- \frac{x^4 + x^3 - x^2 - 3}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A102303
Score: 5.16962
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) - a(n + 1) + 7 a(n),\ a(0) = 1,\ a(1) = 9,\ a(2) = 57\}$$

Sequence: A102303
Score: 6.23584
Type of gen. func.: ogf

$$3 \qquad 2 \qquad\qquad 2$$

$$(289 f(x) - 154) (7 f(x) x - f(x) x - 7 f(x) x + 7 x + f(x) - 2 x - 1)$$

Sequence: A102303
Score: 9.22878
Type of gen. func.: lgdogf

$$-\frac{(7 x^2 - 6 x + 3) (7 x^2 + 2 x + 3)}{(x - 1) (7 x - 1) (x + 1) (7 x^2 - 2 x - 1)}$$

Sequence: A102303
Score: 9.57651
Type of gen. func.: ogf

$$-\frac{7 x^2 - 2 x - 1}{(x - 1) (7 x - 1) (x + 1)}$$

Sequence: A102305
Score: 12.9463
Type of gen. func.: ogf

$$-\frac{3 x^2 - 7 x + 6}{(x - 1)^3}$$

Sequence: A102305
Score: 22.1211
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 8 x + 11}{(x - 1) (3 x^2 - 7 x + 6)}$$

Sequence: A102305
Score: 6.86717
Type of gen. func.: ogf

3 2 2

$$(412 f(x) + 741) (f(x) x - 3 f(x) x + 3 f(x) x + 3 x - f(x) - 7 x + 6)$$

Sequence: A102305
Score: 6.92741
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 6, a(1) = 11, a(2) = 18\}$$

Sequence: A102307
Score: 10.2969
Type of gen. func.: lgdogf

$$- \frac{2 (8 x - 3 + (16 x^2 - 12 x + 1)^{1/2})}{16 x^2 - 12 x + 1}$$

Sequence: A102312
Score: 11.234
Type of gen. func.: ogf

$$-f(x) x^2 - 11 f(x) x + f(x) - 5 x$$

Sequence: A102312
Score: 11.6257
Type of gen. func.: revogf

$$\frac{-5 - 11 x + (25 x^2 + 22 x + 5)^{1/2} 5^{1/2}}{2 x}$$

Sequence: A102312
Score: 17.7379
Type of gen. func.: ogf

$$- \frac{5 x}{x^2 + 11 x - 1}$$

Sequence: A102312
Score: 23.7799
Type of gen. func.: lgdogf

$$-\frac{11+2x}{x^2+11x-1}$$

Sequence: A102312
Score: 8.21999
Type of gen. func.: ogf

$$\{-a(n+2)+11\,a(n+1)+a(n),\ a(0)=0,\ a(1)=5\}$$

Sequence: A102314
Score: 10.0817
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{12}+x^{10}+x^8+2x^6+x^4+x^2+1}{-x^{14}+1}$$

Sequence: A102315
Score: 14.4771
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^4-4x^2-2}{-x^6+1}$$

Sequence: A102341
Score: 10.7448
Type of gen. func.: ogf

$$\frac{12}{(x^2-14x+1)(x^2+4x+1)}$$

Sequence: A102341

Score: 11.1628
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^3 - 15 x^2 - 54 x - 5)}{(x^2 - 14 x + 1) (x^2 + 4 x + 1)}$$

Sequence: A102341
Score: 4.31421
Type of gen. func.: ogf

$-(119833 f(x) + 132)$

$$(f(x) x^4 - 10 f(x) x^3 - 54 f(x) x^2 - 10 f(x) x + f(x) - 12)$$

Sequence: A102344
Score: 12.7131
Type of gen. func.: lgdogf

$$\frac{7 x^2 - 2 x + 7}{(x^2 - 14 x + 1) (x^2 - 21 x + 2)}$$

Sequence: A102344
Score: 13.3446
Type of gen. func.: ogf

$$\frac{x^2 - 21 x + 2}{x^2 - 14 x + 1}$$

Sequence: A102344
Score: 7.05725
Type of gen. func.: ogf

$$\{a(n + 3) - 14 a(n + 2) + a(n + 1), a(0) = 2, a(1) = 7, a(2) = 97\}$$

Sequence: A102344
Score: 7.19563

Type of gen. func.: ogf

$$-(96 f(x) - 143) (f(x) x^2 - 14 f(x) x - x^2 + f(x) + 21 x - 2)$$

Sequence: A102345
Score: 14.3356
Type of gen. func.: ogf

$$\frac{2 (x - 1)}{(x + 1) (3 x - 1)}$$

Sequence: A102345
Score: 18.0592
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 6 x - 1}{(x - 1) (3 x - 1) (x + 1)}$$

Sequence: A102345
Score: 7.41498
Type of gen. func.: ogf

$$(14 f(x) - 27) (3 f(x) x^2 + 2 f(x) x - f(x) - 2 x + 2)$$

Sequence: A102345
Score: 7.86712
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 3 a(n), a(0) = 2, a(1) = 2\}$$

Sequence: A102352
Score: 14.8632
Type of gen. func.: ogf

$$-\frac{x^7 - x^6 + x - 2}{(x - 1)^2}$$

Sequence: A102352
Score: 20.2170
Type of gen. func.: lgdogf

$$\frac{5 x^{7} - 11 x^{6} + 6 x^{5} - x + 3}{(x - 1) (x^{7} - x^{6} + x - 2)}$$

Sequence: A102403
Score: 32.6556
Type of gen. func.: revogf

$$- \frac{x (x - 1)}{x^{3} - x^{2} + 1}$$

Sequence: A102403
Score: 8.65508
Type of gen. func.: ogf

$$f(x)^{3} x^{3} - f(x)^{2} x^{2} + f(x)^{2} x - f(x) + 1$$

Sequence: A102406
Score: 13.9758
Type of gen. func.: revogf

$$\frac{(x + 1)^{1/2} (4 x^{2} - 3 x + 1)^{1/2} - 1 + x - 2 x^{2}}{2 x (x - 1)}$$

Sequence: A102406
Score: 6.89269
Type of gen. func.: ogf

$$-f(x)^{2} x^{3} - 2 f(x)^{2} x^{2} - f(x)^{2} x + f(x) x^{2} + f(x) x + f(x) - 1$$

Sequence: A102407
Score: 15.1464
Type of gen. func.: revogf

$$\frac{x - 1 + (-(x - 1) (4 x^2 + 3 x + 1))^{1/2}}{2 (x + 1)}$$

Sequence: A102407
Score: 9.78369
Type of gen. func.: ogf

$$f(x)^2 x + f(x) x^2 - f(x) x - f(x) + x + 1$$

Sequence: A102420
Score: 9.39225
Type of gen. func.: ogf_with_Euler_transform]

$$-x^8 - x^7 - x^6 - x^5 + x^3 + x^2 + x + 1$$

Sequence: A102422
Score: 10.5229
Type of gen. func.: ogf_with_Euler_transform]

$$-(x - 1) (x^4 + x^3 + x^2 + x + 1)^2$$

Sequence: A102429
Score: 9.02186
Type of gen. func.: ogf

$$\frac{x^3 - x^2 - 1}{(x - 1) (x^4 - 2 x^2 - x + 1)}$$

Sequence: A102429
Score: 9.68628
Type of gen. func.: lgdogf

7 6 5 4 2

$$-\frac{2 x - 4 x + 2 x - 4 x + 11 x - 4 x - 2}{(x - 1) (x^3 - x^2 - 1) (x^4 - 2 x^2 - x + 1)}$$

Sequence: A102436
Score: 11.7185
Type of gen. func.: ogf

$$-\frac{x - 1}{x^3 - 4 x^2 - 6 x + 1}$$

Sequence: A102436
Score: 13.8387
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 7 x^2 + 8 x + 5}{(x - 1) (x^3 - 4 x^2 - 6 x + 1)}$$

Sequence: A102436
Score: 5.49630
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 1, a(1) = 5, a(2) = 34\}$$

Sequence: A102436
Score: 5.69801
Type of gen. func.: ogf

$$(10989 f(x) - 575) (f(x) x^3 - 4 f(x) x^2 - 6 f(x) x + f(x) + x - 1)$$

Sequence: A102438
Score: 10.4034
Type of gen. func.: ogf

$$(25 f(x) + 1492) (f(x) x^2 - 2 f(x) x + f(x) - 56 x - 44)$$

Sequence: A102438
Score: 11.1378
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 44, a(1) = 144\}$$

Sequence: A102438
Score: 19.8146
Type of gen. func.: revogf

$$- \frac{-22 - x + 2 (121 + 25 x)^{1/2}}{-56 + x}$$

Sequence: A102438
Score: 20.1427
Type of gen. func.: ogf

$$\frac{4 (14 x + 11)}{(x - 1)^{2}}$$

Sequence: A102438
Score: 25.6855
Type of gen. func.: lgdogf

$$- \frac{2 (18 + 7 x)}{(14 x + 11) (x - 1)}$$

Sequence: A102439
Score: 15.8230
Type of gen. func.: ogf

$$\frac{4 (24 x + 1)}{(x - 1)^{2}}$$

Sequence: A102439
Score: 22.2814
Type of gen. func.: revogf

$$-\frac{-2 - x + 2 (1 + 25 x)^{1/2}}{-96 + x}$$

Sequence: A102439
Score: 26.4076
Type of gen. func.: lgdogf

$$-\frac{2 (13 + 12 x)}{(24 x + 1) (x - 1)}$$

Sequence: A102439
Score: 8.08733
Type of gen. func.: ogf

$$(25 f(x) + 1252) (f(x) x^2 - 2 f(x) x + f(x) - 96 x - 4)$$

Sequence: A102439
Score: 8.66500
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 4, a(1) = 104\}$$

Sequence: A102446
Score: 20.0942
Type of gen. func.: revogf

$$\frac{-x - 2 + (17 x^2 + 4 x + 4)^{1/2}}{8 x}$$

Sequence: A102446
Score: 23.6023
Type of gen. func.: ogf

$$-\frac{2}{4 x^2 + x - 1}$$

Sequence: A102446
Score: 33.1554
Type of gen. func.: lgdogf

$$-\frac{1 + 8 x}{4 x^2 + x - 1}$$

Sequence: A102446
Score: 9.38403
Type of gen. func.: ogf

$$(29 f(x) - 56) (4 f(x) x^2 + f(x) x - f(x) + 2)$$

Sequence: A102446
Score: 9.49848
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 4 a(n), a(0) = 2, a(1) = 2\}$$

Sequence: A102484
Score: 7.01106
Type of gen. func.: lgdogf

$$\frac{8091900 x^{11} - 17090100 x^{10} + 9000000 x^9 - 8899 x + 9119}{(x - 1) (899100 x^{11} - 900000 x^{10} + 8899 x - 9009)}$$

Sequence: A102484
Score: 8.69365
Type of gen. func.: ogf

$$-\frac{899100 x^{11} - 900000 x^{10} + 8899 x - 9009}{(x - 1)^2}$$

Sequence: A102485
Score: 16.7722
Type of gen. func.: ogf

$$\frac{2 x + 1}{(-1 + 2 x) (3 x - 1)}$$

Sequence: A102485
Score: 18.0869
Type of gen. func.: lgdogf

$$- \frac{12 x^2 + 12 x - 7}{(3 x - 1) (2 x + 1) (-1 + 2 x)}$$

Sequence: A102485
Score: 18.0869
Type of gen. func.: revogf

$$- \frac{-1 - 5 x + (x^2 + 18 x + 1)^{1/2}}{4 (3 x - 1)}$$

Sequence: A102485
Score: 8.67525
Type of gen. func.: ogf

$$(23 f(x) + 26) (6 f(x) x^2 - 5 f(x) x + f(x) - 2 x - 1)$$

Sequence: A102485
Score: 9.20423
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - 6 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A102486
Score: 12.7077
Type of gen. func.: ogf

$$-5 f(x) x^2 + 4 f(x) x - f(x) - 2 x + 2$$

Sequence: A102486
Score: 17.7908
Type of gen. func.: ogf

$$-\frac{2 (x - 1)}{5 x^2 - 4 x + 1}$$

Sequence: A102486
Score: 23.1049
Type of gen. func.: revogf

$$-\frac{-1 - 2 x + (-x^2 + 2 x + 1)^{1/2}}{2 + 5 x}$$

Sequence: A102486
Score: 23.7651
Type of gen. func.: lgdogf

$$-\frac{5 x^2 - 10 x + 3}{(x - 1) (5 x^2 - 4 x + 1)}$$

Sequence: A102486
Score: 9.76324
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 5 a(n), a(0) = 2, a(1) = 6\}$$

Sequence: A102487
Score: 7.30070
Type of gen. func.: ogf

$$\frac{x (3 x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A102488
Score: 6.09939
Type of gen. func.: ogf

$$\frac{x^{26} + x^{25} + 10 x^{24} - 10 x^{20} + x^{2} + x + 10}{(x + 1) (x^{8} + 1) (x^{16} - x^{8} + 1) (x - 1)^{2}}$$

Sequence: A102489
Score: 7.28781
Type of gen. func.: ogf

$$\frac{x (7 x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}{(x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A102491
Score: 7.06388
Type of gen. func.: ogf

$$\frac{x (11 x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}{(x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A102492
Score: 6.73803
Type of gen. func.: ogf

$$\frac{x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 10}{(x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A102493
Score: 6.78502
Type of gen. func.: ogf

$$x (51 x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)$$

$$(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x-1)^2$$

Sequence: A102516
Score: 10.2167
Type of gen. func.: lgdogf

$$-\frac{5x^6-6x^5+2x^3-6x^2+6x-2}{(x-1)(x^2+x-1)(x^4-x^3+2x^2-2x+1)}$$

Sequence: A102516
Score: 11.3289
Type of gen. func.: ogf

$$\frac{x(x-1)}{(x^2+x-1)(x^4-x^3+2x^2-2x+1)}$$

Sequence: A102517
Score: 13.6385
Type of gen. func.: ogf

$$\frac{x^2+1}{(x^2-x+1)(2x^2+1)}$$

Sequence: A102517
Score: 17.8505
Type of gen. func.: lgdogf

$$-\frac{(2x^2-x+1)(2x^3+3x-1)}{(x^2+1)(x^2-x+1)(2x^2+1)}$$

Sequence: A102517
Score: 6.87213
Type of gen. func.: ogf

$$-(f(x) + 2) (2 f(x) x^4 - 2 f(x) x^3 + 3 f(x) x^2 - f(x) x - x^2 + f(x) - 1)$$

Sequence: A102518
Score: 14.9676
Type of gen. func.: revogf

$$1/12 + \frac{3 x}{4} - \frac{(81 x^2 - 6 x + 1)^{1/2}}{12}$$

Sequence: A102518
Score: 15.2903
Type of gen. func.: ogf

$$-9 f(x) x + f(x) + 6 x - 1$$

Sequence: A102518
Score: 18.5963
Type of gen. func.: ogf

$$\frac{-1 + 6 x}{9 x - 1}$$

Sequence: A102518
Score: 31.6960
Type of gen. func.: lgdogf

$$\frac{3}{(9 x - 1) (-1 + 6 x)}$$

Sequence: A102518
Score: 9.55642
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 3\}$$

Sequence: A102526
Score: 7.88462

Type of gen. func.: lgdogf

$$-\frac{2x^9+4x^8+6x^7+2x^6-2x^5+x^4-2x^3-5x^2+2x+1}{(x+1)(x^2+x-1)(x^3+x-1)(x^4+x^2-1)}$$

Sequence: A102526
Score: 8.31504
Type of gen. func.: ogf

$$-\frac{(x+1)(x^3+x-1)}{(x^2+x-1)(x^4+x^2-1)}$$

Sequence: A102543
Score: 5.89043
Type of gen. func.: lgdogf

$$-\frac{3x^{14}+6x^{12}+9x^{10}-2x^9-3x^8+x^6+2x^5-2x^4-4x^3+x^2+1}{(x^3+x-1)(x^6+x^4+x^2-1)(x^6+x^2-1)}$$

Sequence: A102543
Score: 9.61813
Type of gen. func.: ogf

$$-\frac{x^6+x^4+x^2-1}{(x^3+x-1)(x^6+x^2-1)}$$

Sequence: A102560
Score: 12.8435
Type of gen. func.: ogf

$$\frac{x^2+x+1}{(x^2+1)(x+1)}$$

Sequence: A102560
Score: 26.9626
Type of gen. func.: ogf_with_Euler_transform]

$$[x^3 - x^2]$$

Sequence: A102560
Score: 28.6172
Type of gen. func.: lgdogf

$$-\frac{x^2 (x^2 + 2 x + 3)}{(x + 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A102560
Score: 7.12232
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$$

Sequence: A102560
Score: 8.80287
Type of gen. func.: ogf

$$f(x) x^3 + f(x) x^2 + f(x) x - x^2 + f(x) - x - 1$$

Sequence: A102561
Score: 16.8170
Type of gen. func.: ogf

$$\frac{2 x^3 - 1}{(2 x^2 - 1) (2 x^2 + 1)}$$

Sequence: A102561
Score: 18.1946
Type of gen. func.: lgdogf

$$-\frac{2 x^{2} (4 x^{4} - 8 x + 3)}{(2 x^{2} - 1) (2 x^{2} + 1) (2 x^{3} - 1)}$$

Sequence: A102561
Score: 9.82813
Type of gen. func.: ogf

$$-(28 f(x) - 27) (4 f(x) x^{4} - 2 x^{3} - f(x) + 1)$$

Sequence: A102572
Score: 13.3881
Type of gen. func.: ogf

$$- x^{3} (x^{48} - x^{12} - 1) / ((x + 1) (x^{2} + 1) (x^{4} + 1) (x^{8} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x^{8} - x^{4} + 1) (x^{16} - x^{8} + 1) (x - 1)^{2})$$

Sequence: A102572
Score: 7.78142
Type of gen. func.: lgdogf

$$(79 x^{48} - 768 x^{47} - 944 x^{36} + 960 x^{35} + 1180 x^{24} - 1200 x^{23} - 1475 x^{12} + 1500 x^{11} + 125) / ((x - 1) (689 x^{48} - 16 x^{36} + 20 x^{24} - 25 x^{12} - 125))$$

Sequence: A102591
Score: 13.1146
Type of gen. func.: ogf

$$-\frac{-1 + 2 x}{4 x^{2} - 8 x + 1}$$

Sequence: A102591
Score: 13.7661

Type of gen. func.: revogf

$$-\frac{-1 - 8 x + (48 x^2 + 8 x + 1)^{1/2}}{4 (2 x + 1)}$$

Sequence: A102591
Score: 14.8250
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^2 - 4 x + 3)}{(-1 + 2 x) (4 x^2 - 8 x + 1)}$$

Sequence: A102591
Score: 6.41477
Type of gen. func.: ogf

$$-(112 f(x) - 31) (4 f(x) x^2 - 8 f(x) x + f(x) + 2 x - 1)$$

Sequence: A102591
Score: 7.19706
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A102592
Score: 11.3770
Type of gen. func.: ogf

$$-\frac{4 x - 1}{16 x^2 - 12 x + 1}$$

Sequence: A102592
Score: 12.1664
Type of gen. func.: revogf

$$-1 - 12 x + (80 x^2 + 8 x + 1)^{1/2}$$

```
- -------------------------------
          8 (4 x + 1)
```

Sequence: A102592
Score: 12.7599
Type of gen. func.: lgdogf

$$-\frac{8 (8 x^2 - 4 x + 1)}{(4 x - 1) (16 x^2 - 12 x + 1)}$$

Sequence: A102592
Score: 5.81216
Type of gen. func.: ogf

$$-(21 f(x) - 5) (16 f(x) x^2 - 12 f(x) x + f(x) + 4 x - 1)$$

Sequence: A102592
Score: 6.36569
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 16 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A102594
Score: 3.88801
Type of gen. func.: ogf

$$\{(27 n^3 - 27 n^2 + 6 n) a(n) + (-4 n^3 - 2 n^2 + 14 n + 12) a(n + 1), a(0) = 1,$$
$$a(1) = 0, a(2) = 0, a(3) = 1\}$$

Sequence: A102594
Score: 5.07132
Type of gen. func.: ogf

$$f(x)^3 x + 4 f(x)^2 x - 7 f(x) x^2 + x^3 - 4 f(x) x + 7 x^2 - f(x) - x + 1$$

Sequence: A102603
Score: 17.6891
Type of gen. func.: ogf

$$\frac{3 (x + 7)}{(x - 1)^2}$$

Sequence: A102603
Score: 21.0014
Type of gen. func.: revogf

$$-\frac{-21 - 2 x + (441 + 96 x)^{1/2}}{2 (x - 3)}$$

Sequence: A102603
Score: 42.0027
Type of gen. func.: lgdogf

$$-\frac{15 + x}{(x + 7) (x - 1)}$$

Sequence: A102603
Score: 8.65639
Type of gen. func.: ogf

$$(2128 f(x) + 107187) (f(x) x^2 - 2 f(x) x + f(x) - 3 x - 21)$$

Sequence: A102603
Score: 9.68690
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 21, a(1) = 45\}$$

Sequence: A102620
Score: 10.3514
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 5, a(2) = 15\}$$

Sequence: A102620
Score: 19.1756
Type of gen. func.: ogf

$$-\frac{(x + 1)^2}{x^3 - x^2 + 3 x - 1}$$

Sequence: A102620
Score: 28.8872
Type of gen. func.: lgdogf

$$-\frac{x^3 + 3 x^2 - 5 x + 5}{(x + 1) (x^3 - x^2 + 3 x - 1)}$$

Sequence: A102620
Score: 9.99752
Type of gen. func.: ogf

$$-(43 f(x) + 57) (f(x) x^3 - f(x) x^2 + 3 f(x) x + x^2 - f(x) + 2 x + 1)$$

Sequence: A102637
Score: 4.78885
Type of gen. func.: ogf

$$(8 x^{11} - 9 x^{10} - 7 x^9 - 15 x^8 + 26 x^7 + 20 x^6 + 4 x^5 - 30 x^4 - 18 x^3 + 19 x^2 + 7 x + 1) \Big/ ((x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A102650
Score: 10.7091
Type of gen. func.: ogf

$$\frac{4 (x^2 + x + 1)}{{}^{2}}$$

$$(x - 1) (-1 + 2 x) (x + 1) (x + 1)$$

Sequence: A102650
Score: 8.30892
Type of gen. func.: lgdogf

$$- \frac{6 x^6 + 6 x^5 + 7 x^4 - 4 x^3 + 2 x^2 - 2 x - 3}{(x - 1) (-1 + 2 x) (x + 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A102651
Score: 11.3188
Type of gen. func.: ogf

$$- \frac{4 (x^4 - x - 1)}{(x - 1) (-1 + 2 x) (x + 1) (x^2 + 1)}$$

Sequence: A102651
Score: 11.6696
Type of gen. func.: lgdogf

$$- \frac{2 x^8 - 8 x^5 - x^4 + 3}{(x - 1) (-1 + 2 x) (x + 1) (x^2 + 1) (x^4 - x - 1)}$$

Sequence: A102652
Score: 14.1601
Type of gen. func.: ogf

$$\frac{4}{(-1 + 2 x) (x - 1) (x^2 + 1)}$$

Sequence: A102652
Score: 15.8195
Type of gen. func.: lgdogf

3   2

$$-\frac{8 x - 9 x + 6 x - 3}{(-1 + 2 x) (x - 1) (x^2 + 1)}$$

Sequence: A102652
Score: 5.78204
Type of gen. func.: ogf

$$(17 f(x) + 256) (2 f(x) x^4 - 3 f(x) x^3 + 3 f(x) x^2 - 3 f(x) x + f(x) - 4)$$

Sequence: A102653
Score: 10.3067
Type of gen. func.: lgdogf

$$-\frac{2 x^6 - 4 x^5 - 2 x^3 + 3 x^2 - 4 x + 3}{(-1 + 2 x) (x - 1) (x^2 + 1) (x^3 - x^2 - 1)}$$

Sequence: A102653
Score: 5.1018
Type of gen. func.: ogf

$$(37 f(x) + 260)$$

$$(2 f(x) x^4 - 3 f(x) x^3 + 3 f(x) x^2 + 4 x^3 - 3 f(x) x - 4 x^2 + f(x) - 4)$$

Sequence: A102653
Score: 9.50473
Type of gen. func.: ogf

$$-\frac{4 (x^3 - x^2 - 1)}{(-1 + 2 x) (x - 1) (x^2 + 1)}$$

Sequence: A102670
Score: 5.01732
Type of gen. func.: ogf

2 26 24 22 20 18 6 4 2

$$\frac{x\,(x + x + x + x + x + x + x + 1)}{(x^4 + x^3 + x^2 + x + 1)\,(x^4 - x^3 + x^2 - x + 1)\,(x - 1)^2}$$

Sequence: A102682
Score: 4.70822
Type of gen. func.: ogf

$$-x^8\,(x^{62} + 2\,x^{61} + 2\,x^{60} + x^2 + 2\,x + 1) \Big/ (2\,x^{69} - 2\,x^{68} + 2\,x^{67} - 2\,x^{66} + 2\,x^{65} - 2\,x^{64} + 2\,x^{63} - x^{62} + 2\,x^{61} - 2\,x^{60} - x^{12} + x^{10} + x^2 - 1)$$

Sequence: A102683
Score: 5.00892
Type of gen. func.: ogf

$$\frac{x^9\,(x^{71} + 3\,x^{11} - 3\,x^{10} + x - 1)}{x^{71} - 3\,x^{21} + 3\,x^{20} + 2\,x^{11} - 2\,x^{10} + x - 1}$$

Sequence: A102683
Score: 6.48174
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2\,x^{20} + 2\,x^{19} - x^{10} + x^9}{x^{71} + 2\,x^{11} - 2\,x^{10} + x - 1}$$

Sequence: A102684
Score: 8.61885
Type of gen. func.: ogf

$$-\frac{x^9\,(x^{70} + x^{69} + x^{68} + 1)}{x^{78} + x^{71} - x^{68} - x^{11} + x^{10} + x - 1}$$

Sequence: A102685

Score: 30.3445
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{18} + x^{9} + 2$$

Sequence: A102685
Score: 4.45575
Type of gen. func.: ogf

$$x \left(x^{18} + x^{17} + x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1\right) \Big/ \left((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}\right)$$

Sequence: A102689
Score: 12.8750
Type of gen. func.: ogf

$$\frac{4 (1883 x + 617)}{(x - 1)^{2}}$$

Sequence: A102689
Score: 14.6171
Type of gen. func.: revogf

$$- \frac{-1234 - x + 2 (380689 + 2500 x)^{1/2}}{-7532 + x}$$

Sequence: A102689
Score: 19.4895
Type of gen. func.: lgdogf

$$- \frac{3117 + 1883 x}{(1883 x + 617) (x - 1)}$$

Sequence: A102689
Score: 6.56623
Type of gen. func.: ogf

$$(1250 f(x) + 6630689) (f(x) x^2 - 2 f(x) x + f(x) - 7532 x - 2468)$$

Sequence: A102689
Score: 7.37780
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 2468, a(1) = 12468\}$$

Sequence: A102692
Score: 2.99456
Type of gen. func.: egf]

$$\{(-n^3 + n) a(n) + (7 n^3 + 19 n^2 + 14 n + 2) a(n + 1)$$
$$+ (-7 n^3 - 44 n^2 - 89 n - 58) a(n + 2) + (n^3 + 9 n^2 + 26 n + 24) a(n + 3),$$
$$a(0) = 1, a(1) = 2, a(2) = 2\}$$

Sequence: A102693
Score: 21.4670
Type of gen. func.: revegf]

$$\frac{-1 + (2 x + 1)^{1/2}}{2 x + 1}$$

Sequence: A102693
Score: 5.75539
Type of gen. func.: ogf

$$\{(4 n^2 + 26 n + 42) a(n + 1) + (-n - 5) a(n + 2), a(0) = 1, a(1) = 5\}$$

Sequence: A102693
Score: 6.90647
Type of gen. func.: egf]

$$-4 f(x)^2 x^4 + f(x)^2 x^3 + 4 f(x) x^2 - 5 f(x) x + f(x) - 1$$

Sequence: A102702
Score: 13.9425
Type of gen. func.: lgdogf

$$-\frac{x^4 + 3 x^3 + 6 x^2 - 3 x - 3}{(x^2 + x - 1) (x^3 + 2 x^2 + x - 2)}$$

Sequence: A102702
Score: 5.14391
Type of gen. func.: ogf

$-(3 f(x) - 1)$

$$(f(x) x^4 + 2 f(x) x^3 - f(x) x^2 + x^3 - 2 f(x) x + 2 x^2 + f(x) + x - 2)$$

Sequence: A102702
Score: 9.41936
Type of gen. func.: ogf

$$-\frac{x^3 + 2 x^2 + x - 2}{(x^2 + x - 1)^2}$$

Sequence: A102713
Score: 12.5367
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^3 + 5 x + 1)}{(-1 + 2 x) (x + 1) (x^2 + 1)}$$

Sequence: A102713
Score: 5.99338
Type of gen. func.: ogf

$-(920 f(x) + 577)$

$$(4 f(x) x^4 + 4 f(x) x^3 - 3 f(x) x^2 - 2 f(x) x - x^2 + f(x) - 1)$$

Sequence: A102713
Score: 7.52723
Type of gen. func.: ogf

$$\frac{x^2 + 1}{(x + 1)^2 (-1 + 2 x)^2}$$

Sequence: A102714
Score: 14.2087
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 4 x^2 - 8 x - 5}{(x + 2) (x + 1) (x^2 - 3 x + 1)}$$

Sequence: A102714
Score: 14.2951
Type of gen. func.: ogf

$$\frac{x + 2}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A102714
Score: 6.70480
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 2, a(1) = 5, a(2) = 14\}$$

Sequence: A102714
Score: 6.8256
Type of gen. func.: ogf

$$-(567 f(x) + 370) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + f(x) - x - 2)$$

Sequence: A102736
Score: 13.4808
Type of gen. func.: lgdegf]

$$-\frac{2 (x^3 + 2 x^2 + x + 1)}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A102736
Score: 15.9946
Type of gen. func.: egf]

$$x^2 f(x)^3 - 2 f(x)^3 x + f(x)^3 - x^2 - x - 1$$

Sequence: A102736
Score: 7.68968
Type of gen. func.: ogf

$$\{(n^3 + 3 n^2 + 2 n) a(n) + (n + 2) a(n + 1) - a(n + 3) + a(n + 2), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A102741
Score: 5.51360
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (6 + n) a(n + 1), a(0) = 81, a(1) = 405\}$$

Sequence: A102741
Score: 72.0965
Type of gen. func.: lgdogf

$$-\frac{5}{x - 1}$$

Sequence: A102741

Score: 9.83258
Type of gen. func.: ogf

$$-\frac{81}{(x-1)^5}$$

Sequence: A102757
Score: 10.0736
Type of gen. func.: lgdegf]

$$-68 + 153\,x + (153\,x^2 - 84\,x + 9)\,f(x) + (18\,x^2 - 12\,x + 2)\,f(x)^2$$

Sequence: A102757
Score: 3.80349
Type of gen. func.: ogf

$$\{(-9\,n^2 - 36\,n - 36)\,a(n + 1) + (6\,n + 16)\,a(n + 2) - a(n + 3),\ a(0) = 1,\ a(1) = 4,\ a(2) = 31\}$$

Sequence: A102762
Score: 13.7206
Type of gen. func.: ogf

$$-\frac{x^4 + 4\,x^3 - 7\,x^2 + 5\,x - 1}{(x-1)^3}$$

Sequence: A102762
Score: 19.3363
Type of gen. func.: lgdogf

$$\frac{x^4 - 4\,x^3 - 5\,x^2 + 4\,x - 2}{(x - 1)\,(x^4 + 4\,x^3 - 7\,x^2 + 5\,x - 1)}$$

Sequence: A102762
Score: 7.33674

Type of gen. func.: ogf

$$\{a(5 + n) - 3 a(n + 4) + 3 a(n + 3) - a(n + 2), a(0) = -1, a(1) = 2, a(2) = 2,$$
$$a(3) = 3, a(4) = 6\}$$

Sequence: A102762
Score: 7.88429
Type of gen. func.: ogf

$$-(52 f(x) + 125)$$
$$(f(x) x^3 + x^4 - 3 f(x) x^2 + 4 x^3 + 3 f(x) x - 7 x^2 - f(x) + 5 x - 1)$$

Sequence: A102773
Score: 27.7924
Type of gen. func.: lgdegf]

$$-\frac{-5 + 16 x}{(4 x - 1)^2}$$

Sequence: A102773
Score: 4.04744
Type of gen. func.: ogf

$$\{(-16 n^2 - 64 n - 64) a(n + 1) + (8 n + 21) a(n + 2) - a(n + 3), a(0) = 1,$$
$$a(1) = 5, a(2) = 49\}$$

Sequence: A102784
Score: 4.84388
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A102785
Score: 11.3472
Type of gen. func.: ogf

$$x - 1$$

$$\frac{}{3 x^{3} - 2 x^{2} + 2 x - 1}$$

Sequence: A102785
Score: 12.3106
Type of gen. func.: lgdogf

$$- \frac{6 x^{3} - 11 x^{2} + 4 x - 1}{(x - 1) (3 x^{3} - 2 x^{2} + 2 x - 1)}$$

Sequence: A102785
Score: 5.41802
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + 2 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 1, a(2) = 0\}$$

Sequence: A102785
Score: 5.56851
Type of gen. func.: ogf

$$-(23 f(x) - 9) (3 f(x) x^{3} - 2 f(x) x^{2} + 2 f(x) x - f(x) - x + 1)$$

Sequence: A102794
Score: 2.61263
Type of gen. func.: ogf

$$(13579795031 f(x) - 11174911200)$$

$$(1000 f(x) x^{3} - 1110 f(x) x^{2} + 111 f(x) x - f(x) + 360 x + 36)$$

Sequence: A102794
Score: 4.83807
Type of gen. func.: ogf

$$\{a(n + 4) - 111 a(n + 3) + 1110 a(n + 2) - 1000 a(n + 1), a(0) = 1, a(1) = 36,$$

$$a(2) = 4356, a(3) = 443556\}$$

Sequence: A102794
Score: 7.79981
Type of gen. func.: lgdogf

$$\frac{36 (10000 x^4 + 2000 x^3 - 2220 x^2 + 20 x + 1)}{(x - 1) (100 x - 1) (10 x - 1) (1000 x^3 - 1470 x^2 + 75 x - 1)}$$

Sequence: A102794
Score: 8.58182
Type of gen. func.: ogf

$$\frac{1000 x^3 - 1470 x^2 + 75 x - 1}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A102807
Score: 10.0121
Type of gen. func.: ogf

$$- \frac{490 x^2 - 95 x + 1}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A102807
Score: 5.37965
Type of gen. func.: ogf

$$(9044673 f(x) - 1854007)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 490 x^2 - f(x) - 95 x + 1)$$

Sequence: A102807
Score: 5.81349
Type of gen. func.: ogf

$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 1, a(1) = 16,$

$a(2) = 1156\}$

Sequence: A102807
Score: 8.35039
Type of gen. func.: lgdogf

$$-\frac{4\,(122500\,x^4-47500\,x^3+13515\,x^2-310\,x+4)}{(x-1)\,(100\,x-1)\,(10\,x-1)\,(490\,x^2-95\,x+1)}$$

Sequence: A102815
Score: 11.4758
Type of gen. func.: ogf

$$-\frac{169\,x^{79}+220\,x^{78}-8\,x^2-2\,x+11}{21\,x^{79}-20\,x^{78}-x^2+2\,x-1}$$

Sequence: A102815
Score: 26.4311
Type of gen. func.: lgdogf

$$-\frac{2\,(-10+9\,x)}{(x-1)\,(8\,x^2+2\,x-11)}$$

Sequence: A102839
Score: 25.4132
Type of gen. func.: lgdogf

$$-\frac{3\,(1+3\,x)}{(x+1)\,(3\,x-1)}$$

Sequence: A102839
Score: 4.32956
Type of gen. func.: ogf

$\{(-2 - n)\,a(n + 3) + (5 + 2\,n)\,a(n + 2) + (9 + 3\,n)\,a(n + 1),\ a(0) = 0,$

$a(1) = 1,\ a(2) = 3\}$

Sequence: A102840
Score: 35.4022
Type of gen. func.: lgdogf

$$-\frac{3 (5 x - 1)}{5 x^2 - 2 x + 1}$$

Sequence: A102840
Score: 5.38463
Type of gen. func.: ogf

{(-2 - n) a(n + 3) + (5 + 2 n) a(n + 2) + (-15 - 5 n) a(n + 1), a(0) = 0,

a(1) = 1, a(2) = 3}

Sequence: A102841
Score: 14.2820
Type of gen. func.: ogf

$$-\frac{1}{(x + 1) (-1 + 2 x)^3}$$

Sequence: A102841
Score: 28.6139
Type of gen. func.: lgdogf

$$-\frac{5 + 8 x}{(x + 1) (-1 + 2 x)}$$

Sequence: A102841
Score: 4.22822
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-7 - n) a(n + 2) + (-10 - 2 n) a(n + 1), a(0) = 1,

a(1) = 5, a(2) = 19}

Sequence: A102841
Score: 5.31147
Type of gen. func.: ogf

$$-(f(x) + 1) (8 f(x) x^4 - 4 f(x) x^3 - 6 f(x) x^2 + 5 f(x) x - f(x) + 1)$$

Sequence: A102860
Score: 14.0788
Type of gen. func.: ogf

$$\frac{16 x}{(x - 1)^4}$$

Sequence: A102860
Score: 6.18094
Type of gen. func.: ogf

$$-(7 f(x) + 72) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + f(x) - 16 x)$$

Sequence: A102860
Score: 7.31015
Type of gen. func.: ogf

$$\{(n + 1) a(n + 2) + (-n - 4) a(n + 1), a(0) = 0, a(1) = 16\}$$

Sequence: A102860
Score: 93.6679
Type of gen. func.: lgdogf

$$- \frac{4}{x - 1}$$

Sequence: A102865
Score: 12.2722
Type of gen. func.: lgdogf

$$- \frac{16 x^4 + 8 x^3 + 3 x^2 - 6 x + 3}{(x - 1) (4 x - 1) (x + 1) (4 x^2 + x - 1)}$$

Sequence: A102865
Score: 12.2846
Type of gen. func.: ogf

$$-\frac{4 x^{2} + x - 1}{(x - 1) (4 x - 1) (x + 1)}$$

Sequence: A102865
Score: 6.51619
Type of gen. func.: ogf

$$-(5 f(x) + 4) (4 f(x) x^{3} - f(x) x^{2} - 4 f(x) x + 4 x^{2} + f(x) + x - 1)$$

Sequence: A102865
Score: 6.69074
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) + a(n + 1) - 4 a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A102866
Score: 14.2316
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x - 2}{4 x^{3} - 2 x^{2} - 2 x + 1}$$

Sequence: A102871
Score: 10.5897
Type of gen. func.: ogf

$$\frac{-1 + 2 x}{(x - 1) (x^{2} - 4 x + 1)}$$

Sequence: A102871
Score: 11.1982
Type of gen. func.: lgdogf

$$-\frac{4x^3 - 13x^2 + 10x - 3}{(x - 1)(-1 + 2x)(x^2 - 4x + 1)}$$

Sequence: A102871
Score: 4.96684
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 5 a(n + 1) - a(n), a(0) = 1, a(1) = 3, a(2) = 10\}$$

Sequence: A102871
Score: 5.1023
Type of gen. func.: ogf

$$-(225 f(x) + 47) (f(x) x^3 - 5 f(x) x^2 + 5 f(x) x - f(x) - 2 x + 1)$$

Sequence: A102875
Score: 7.04531
Type of gen. func.: lgdogf

$$-\frac{x^{10} - 2x^9 - 12x^7 - x^6 - 12x^5 + x^4 - 12x^3 - 24x^2 - 2x - 1}{(x^2 + x - 1)(x^5 - x^4 - x^2 - x - 2)(x^4 - x^3 + 2x^2 + x + 1)}$$

Sequence: A102875
Score: 9.65848
Type of gen. func.: ogf

$$\frac{x (x^5 - x^4 - x^2 - x - 2)}{(x^2 + x - 1)(x^4 - x^3 + 2x^2 + x + 1)}$$

Sequence: A102879
Score: 10.5446
Type of gen. func.: lgdogf

$$2 (x^4 - 2x^3 + 6x^2 - 2x + 1)$$

$$-\frac{}{(x-1)(x+1)(x^2+1)(x^2-4x+1)}$$

Sequence: A102879
Score: 5.4301
Type of gen. func.: ogf

$$-f(x)^2x^4+4f(x)^2x^3-2f(x)^2x^2+x^4+4f(x)^2x-f(x)^2-2x^2+1$$

Sequence: A102880
Score: 7.41684
Type of gen. func.: ogf

$$-f(x)^2x^3-f(x)x^4-x^4-f(x)^2x+2x^2+f(x)-1$$

Sequence: A102881
Score: 10.6993
Type of gen. func.: lgdogf

$$-\frac{4x^4+12x^3+12x^2+4x+1}{(x+1)(2x^2+2x-1)(2x^2+2x+1)}$$

Sequence: A102881
Score: 7.2777
Type of gen. func.: ogf

$$-4f(x)^2x^4-8f(x)^2x^3-4f(x)^2x^2+f(x)^2-x^2-2x-1$$

Sequence: A102882
Score: 14.7731
Type of gen. func.: lgdogf

$$-\frac{2x(15x^3+21x^2+9x+1)}{(2x+1)(3x^2-1)(5x^2+4x+1)}$$

Sequence: A102882
Score: 7.20509
Type of gen. func.: ogf

$$-15 f(x)^2 x^4 - 12 f(x)^2 x^3 + 2 f(x)^2 x^2 + 4 f(x)^2 x + f(x)^2 - 4 x^2 - 4 x - 1$$

Sequence: A102893
Score: 4.77673
Type of gen. func.: ogf

$$\{(27 n^3 - 3 n) a(n) + (-4 n^3 - 6 n^2 + 4 n + 6) a(n + 1), a(0) = 1, a(1) = 0, a(2) = 1\}$$

Sequence: A102893
Score: 6.8699
Type of gen. func.: ogf

$$-f(x)^3 x - 2 f(x)^2 x + 2 f(x) x - x^2 + f(x) + x - 1$$

Sequence: A102898
Score: 3.82733
Type of gen. func.: ogf

$$\{40 n a(n) - 12 a(n + 1) n + (-10 n - 30) a(n + 2) + (9 + 3 n) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A102898
Score: 8.48217
Type of gen. func.: ogf

$$-10 f(x)^2 x + 3 f(x)^2 + 2 f(x) x - 3 f(x) - x$$

Sequence: A102899
Score: 11.6874
Type of gen. func.: ogf

$$\frac{x (x^2 - x + 1) (x + 1)^2}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A102899
Score: 15.4609
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + x^4 - x^3 + 10 x^2 - x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A102899
Score: 24.3692
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + 3 x^2 - x + 1$$

Sequence: A102900
Score: 13.9834
Type of gen. func.: ogf

$$\frac{-1 + 2 x}{(x + 1) (4 x - 1)}$$

Sequence: A102900
Score: 14.6796
Type of gen. func.: revogf

$$\frac{-1 - 3 x + (25 x^2 - 2 x + 1)^{1/2}}{4 (-1 + 2 x)}$$

Sequence: A102900
Score: 15.8088
Type of gen. func.: lgdogf

$$8 x^2 - 8 x - 1$$

```
           - ----------------------------
             (4 x - 1) (-1 + 2 x) (x + 1)
```

Sequence: A102900
Score: 7.23281
Type of gen. func.: ogf

$$(53 f(x) - 52) (4 f(x) x^2 + 3 f(x) x - f(x) - 2 x + 1)$$

Sequence: A102900
Score: 7.67383
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A102901
Score: 10.463
Type of gen. func.: ogf

$$6 f(x) x^2 + f(x) x - f(x) - x + 1$$

Sequence: A102901
Score: 14.6482
Type of gen. func.: ogf

$$\frac{x - 1}{(2 x + 1) (3 x - 1)}$$

Sequence: A102901
Score: 16.2320
Type of gen. func.: revogf

$$\frac{-1 - x + (25 x^2 - 2 x + 1)^{1/2}}{2 (-1 + 6 x)}$$

Sequence: A102901
Score: 19.6752

Type of gen. func.: lgdogf

$$-\frac{6 x (x - 2)}{(x - 1) (3 x - 1) (2 x + 1)}$$

Sequence: A102901
Score: 8.13788
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 6 a(n), a(0) = 1, a(1) = 0\}$$

Sequence: A102902
Score: 13.0976
Type of gen. func.: revogf

$$-\frac{-1 - 9 x + (17 x + 1)^{1/2} (x + 1)^{1/2}}{32 x}$$

Sequence: A102902
Score: 16.9171
Type of gen. func.: ogf

$$\frac{1}{16 x^2 - 9 x + 1}$$

Sequence: A102902
Score: 22.5279
Type of gen. func.: lgdogf

$$-\frac{-9 + 32 x}{16 x^2 - 9 x + 1}$$

Sequence: A102902
Score: 6.84739
Type of gen. func.: ogf

$$(49 f(x) + 32) (16 f(x) x^2 - 9 f(x) x + f(x) - 1)$$

Sequence: A102902
Score: 6.92988
Type of gen. func.: ogf

$$\{-a(n + 2) + 9 a(n + 1) - 16 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A102905
Score: 5.65225
Type of gen. func.: ogf

$$\frac{2 x^9 - x^8 - 4 x^7 + 2 x^6 + 2 x^5 + 2 x^4 - 4 x^3 - 4 x^2 + 3}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x - 1) (x^4 + 1)}$$

Sequence: A102909
Score: 3.62596
Type of gen. func.: ogf

$$- \frac{x^8 + 162 x^7 + 3418 x^6 + 14212 x^5 + 16578 x^4 + 5482 x^3 + 466 x^2 + 1}{(x - 1)^9}$$

Sequence: A103115
Score: 13.7860
Type of gen. func.: ogf

$$- \frac{11 x^2 + 2 x - 1}{(x - 1)^3}$$

Sequence: A103115
Score: 22.2903
Type of gen. func.: lgdogf

$$- \frac{11 x^2 + 26 x - 1}{(x - 1) (11 x^2 + 2 x - 1)}$$

Sequence: A103115
Score: 7.18263
Type of gen. func.: ogf

$$-(38 f(x) - 157) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 11 x^2 - f(x) + 2 x - 1)$$

Sequence: A103115
Score: 7.56401
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = -1, a(1) = -1, a(2) = 11\}$$

Sequence: A103127
Score: 11.4894
Type of gen. func.: ogf

$$\frac{x^4 + 10 x^3 + 2 x^2 + 2 x + 1}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A103127
Score: 9.56224
Type of gen. func.: lgdogf

$$-\frac{x^7 + 21 x^6 + 17 x^5 + 21 x^4 + 23 x^3 + 35 x^2 + 7 x + 3}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 10 x^3 + 2 x^2 + 2 x + 1)}$$

Sequence: A103134
Score: 11.2136
Type of gen. func.: revogf

$$-\frac{-3 - 18 x + ((40 x + 9) (1 + 8 x))^{1/2}}{2 (x - 1)}$$

Sequence: A103134
Score: 14.5147
Type of gen. func.: ogf

$$\frac{x + 3}{x^2 - 18 x + 1}$$

Sequence: A103134
Score: 15.7691
Type of gen. func.: lgdogf

$$-\frac{(x + 11) (x - 5)}{(x + 3) (x^2 - 18 x + 1)}$$

Sequence: A103134
Score: 7.50198
Type of gen. func.: ogf

$$(984 f(x) + 73) (f(x) x^2 - 18 f(x) x + f(x) - x - 3)$$

Sequence: A103134
Score: 7.94851
Type of gen. func.: ogf

$$\{-a(n + 2) + 18 a(n + 1) - a(n), a(0) = 3, a(1) = 55\}$$

Sequence: A103135
Score: 11.5076
Type of gen. func.: ogf

$$-\frac{3 x^3 + 18 x^2 - 14 x + 1}{(3 x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A103135
Score: 6.28494
Type of gen. func.: ogf

$$(10204 f(x) + 194191)$$

$$(3 f(x) x^4 - 5 f(x) x^2 + 3 x^3 + 4 f(x) x + 18 x^2 - f(x) - 14 x + 1)$$

Sequence: A103135
Score: 9.50412
Type of gen. func.: lgdogf

$$-\frac{9 x^6 + 108 x^5 - 111 x^4 - 12 x^3 + 7 x^2 + 26 x - 10}{(x^2 + x - 1) (3 x^3 + 18 x^2 - 14 x + 1) (3 x^2 - 3 x + 1)}$$

Sequence: A103137
Score: 13.8025
Type of gen. func.: ogf

$$-f(x)^2 + f(x) x + 3 f(x) - 2$$

Sequence: A103137
Score: 25.4342
Type of gen. func.: revogf

$$-\frac{(3 + (4 x + 1)^{1/2}) x}{2 (x - 2)}$$

Sequence: A103137
Score: 39.4230
Type of gen. func.: lgdogf

$$-\frac{1}{(x^2 + 6 x + 1)^{1/2}}$$

Sequence: A103137
Score: 5.34604
Type of gen. func.: ogf

$\{a(n + 1) n + (6 n + 9) a(n + 2) + (n + 3) a(n + 3), a(0) = 1, a(1) = -1,$

$a(2) = 2\}$

Sequence: A103138
Score: 10.6223
Type of gen. func.: ogf

$$f(x) x^2 + f(x)^2 + 5 f(x) x + 2 f(x) - 2 x$$

Sequence: A103138
Score: 16.0950
Type of gen. func.: lgdogf

$$- \frac{3 x - 1 + (x^2 + 6 x + 1)^{1/2}}{2 (x^2 + 6 x + 1)^{1/2} x}$$

Sequence: A103138
Score: 3.31379
Type of gen. func.: ogf

$$\{(3 n^2 + 3 n - 6) a(n + 1) + (17 n^2 + 41 n + 30) a(n + 2)$$
$$+ (-3 n^2 - 21 n - 36) a(n + 3) + (-n^2 - 7 n - 12) a(n + 4), a(0) = 0,$$
$$a(1) = 1, a(2) = -3, a(3) = 10\}$$

Sequence: A103142
Score: 15.6178
Type of gen. func.: ogf

$$- \frac{1}{x^4 + x^3 + x^2 + 2 x - 1}$$

Sequence: A103142
Score: 18.7916
Type of gen. func.: lgdogf

$$3 \qquad 2$$

$$-\frac{4 x + 3 x + 2 x + 2}{x^4 + x^3 + x^2 + 2 x - 1}$$

Sequence: A103142
Score: 6.54076
Type of gen. func.: ogf

$$(7 f(x) - 2) (f(x) x^4 + f(x) x^3 + f(x) x^2 + 2 f(x) x - f(x) + 1)$$

Sequence: A103143
Score: 17.3817
Type of gen. func.: ogf

$$-\frac{x^2}{3 x^3 + x^2 + x - 1}$$

Sequence: A103143
Score: 25.8355
Type of gen. func.: lgdogf

$$-\frac{9 x^2 + 2 x + 1}{3 x^3 + x^2 + x - 1}$$

Sequence: A103143
Score: 7.11070
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) + 3 a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A103143
Score: 9.6565
Type of gen. func.: ogf

$$-3 f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x)$$

Sequence: A103145
Score: 14.4087
Type of gen. func.: lgdogf

$$-\frac{6x^3-12x^2-9x+19}{(x-1)(2x-3)(3x^2-3x-1)}$$

Sequence: A103145
Score: 5.03621
Type of gen. func.: ogf

$$(1658 f(x) + 198957) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 6 x^3 - 4 f(x) x + 15 x^2 + f(x) - 7 x - 3)$$

Sequence: A103145
Score: 9.42676
Type of gen. func.: ogf

$$\frac{(2x-3)(3x^2-3x-1)}{(x-1)^4}$$

Sequence: A103154
Score: 6.00802
Type of gen. func.: lgdogf

$$-(x^9 + 41 x^8 + 81 x^7 + 121 x^6 + 161 x^5 + 799 x^4 + 259 x^3 + 219 x^2 + 179 x + 139) / ((x - 1) (x^4 + x^3 + x^2 + x + 1) (x^5 + 20 x^4 + 20 x^3 + 20 x^2 + 20 x + 119))$$

Sequence: A103154
Score: 8.75118
Type of gen. func.: ogf

$$\frac{x^5 + 20 x^4 + 20 x^3 + 20 x^2 + 20 x + 119}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A103177
Score: 10.8959
Type of gen. func.: ogf

$$-\frac{(-1 + 2 x) (2 x - 3)}{(3 x - 1) (x - 1)^2}$$

Sequence: A103177
Score: 11.4319
Type of gen. func.: lgdogf

$$-\frac{12 x^3 - 36 x^2 + 27 x - 7}{(x - 1) (3 x - 1) (-1 + 2 x) (2 x - 3)}$$

Sequence: A103177
Score: 5.68078
Type of gen. func.: ogf

$$(1213 f(x) + 2393) (3 f(x) x^3 - 7 f(x) x^2 + 5 f(x) x + 4 x^2 - f(x) - 8 x + 3)$$

Sequence: A103177
Score: 5.88188
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 7 a(n + 1) - 3 a(n), a(0) = 3, a(1) = 7, a(2) = 18\}$$

Sequence: A103180
Score: 6.54463
Type of gen. func.: ogf

$$-\frac{2 x^{10} + x^9 - 3 x^8 + 2 x^7 + x^6 - 3 x^5 + x^4 + 2 x^3 - 3 x^2 + x + 2}{(x - 1) (x + 1) (x^{10} - x^9 + x^8 - x^7 + x^6 - x^5 + x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A103181
Score: 11.4031
Type of gen. func.: ogf

$$-\frac{x\,(11\,x^{10}+10\,x^{9}+1)}{(x-1)\,(x+1)\,(x^{2}+1)\,(x^{8}-x^{6}+x^{4}-x^{2}+1)}$$

Sequence: A103181
Score: 7.89805
Type of gen. func.: lgdogf

$$-\frac{2\,x\,(11\,x^{20}+15\,x^{19}-5\,x^{17}-38\,x^{10}-35\,x^{9}+50\,x^{8}+45\,x^{7}+1)}{(x-1)\,(x+1)\,(x^{2}+1)\,(11\,x^{10}+10\,x^{9}+1)\,(x^{8}-x^{6}+x^{4}-x^{2}+1)}$$

Sequence: A103192
Score: 11.4894
Type of gen. func.: ogf

$$\frac{x^{4}+10\,x^{3}+2\,x^{2}+2\,x+1}{(x^{2}+1)\,(x+1)\,(x-1)^{2}}$$

Sequence: A103192
Score: 9.56224
Type of gen. func.: lgdogf

$$-\frac{x^{7}+21\,x^{6}+17\,x^{5}+21\,x^{4}+23\,x^{3}+35\,x^{2}+7\,x+3}{(x-1)\,(x+1)\,(x^{2}+1)\,(x^{4}+10\,x^{3}+2\,x^{2}+2\,x+1)}$$

Sequence: A103194
Score: 3.99056
Type of gen. func.: ogf

3   2   2

$$\{(-n - 7 n - 16 n - 12) a(n + 1) + (2 n + 11 n + 15) a(n + 2) + (-2 - n) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 6\}$$

Sequence: A103196
Score: 13.1753
Type of gen. func.: ogf

$$- \frac{2 x + 1}{(-1 + 2 x) (x + 1)^{2}}$$

Sequence: A103196
Score: 6.86798
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 2, a(2) = 3\}$$

Sequence: A103196
Score: 7.25382
Type of gen. func.: ogf

$$(199 f(x) - 108) (2 f(x) x^{3} + 3 f(x) x^{2} - f(x) + 2 x + 1)$$

Sequence: A103200
Score: 10.1019
Type of gen. func.: ogf

$$- \frac{x^{2} + x + 1}{(x - 1) (x^{4} - 8 x^{2} + 1)}$$

Sequence: A103200
Score: 10.7659
Type of gen. func.: lgdogf

$$- \frac{3 x^{6} + 2 x^{5} - 6 x^{4} - 20 x^{3} - 17 x^{2} + 18 x + 2}{(x - 1) (x^{2} + x + 1) (x^{4} - 8 x^{2} + 1)}$$

Sequence: A103201
Score: 5.66864
Type of gen. func.: ogf

$$-(1240 f(x) - 1131) (f(x) x^4 - 8 f(x) x^2 + x^3 - x^2 + f(x) - 19 x - 11)$$

Sequence: A103201
Score: 8.36909
Type of gen. func.: lgdogf

$$-\frac{x^6 - 2 x^5 - 49 x^4 - 44 x^3 + 149 x^2 + 178 x + 19}{(x^3 - x^2 - 19 x - 11) (x^4 - 8 x^2 + 1)}$$

Sequence: A103201
Score: 9.56055
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 - 19 x - 11}{x^4 - 8 x^2 + 1}$$

Sequence: A103204
Score: 10.0555
Type of gen. func.: ogf

$$2 f(x) x^2 - 3 f(x) x + x^2 + f(x) + 2 x - 2$$

Sequence: A103204
Score: 13.4706
Type of gen. func.: ogf

$$-\frac{x^2 + 2 x - 2}{(-1 + 2 x) (x - 1)}$$

Sequence: A103204
Score: 17.0751
Type of gen. func.: lgdogf

$$-\frac{7 x^{2} - 10 x + 4}{(x - 1) (-1 + 2 x) (x^{2} + 2 x - 2)}$$

Sequence: A103204
Score: 6.99943
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 2 a(n + 1), a(0) = 2, a(1) = 4, a(2) = 7\}$$

Sequence: A103205
Score: 9.33640
Type of gen. func.: ogf

$$-\frac{x (9 x^{9} - 11 x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 1)}{(x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A103210
Score: 12.1022
Type of gen. func.: ogf

$$-2 f(x)^{2} x - f(x) x + f(x) - 1$$

Sequence: A103210
Score: 29.4444
Type of gen. func.: revogf

$$-\frac{x (-1 + 2 x)}{x + 1}$$

Sequence: A103210
Score: 3.40014
Type of gen. func.: ogf

$$\{(-n^2 - n)\, a(n) + (9 n^2 + 21 n + 12)\, a(n + 1) + (9 n^2 + 51 n + 72)\, a(n + 2) + (-n^2 - 7 n - 12)\, a(n + 3),\ a(0) = 1,\ a(1) = 3,\ a(2) = 15\}$$

Sequence: A103210
Score: 9.81480
Type of gen. func.: lgdogf

$$-\frac{-x - 1 + (x^2 - 10 x + 1)^{1/2}}{2 (x^2 - 10 x + 1)^{1/2}\, x}$$

Sequence: A103211
Score: 12.4877
Type of gen. func.: ogf

$$-3 f(x)^2 x - f(x) x + f(x) - 1$$

Sequence: A103211
Score: 29.7538
Type of gen. func.: revogf

$$-\frac{x (3 x - 1)}{x + 1}$$

Sequence: A103211
Score: 3.45903
Type of gen. func.: ogf

$$\{(n^2 + n)\, a(n) + (-13 n^2 - 31 n - 18)\, a(n + 1) + (-13 n^2 - 73 n - 102)\, a(n + 2) + (n^2 + 7 n + 12)\, a(n + 3),\ a(0) = 1,\ a(1) = 4,\ a(2) = 28\}$$

Sequence: A103211
Score: 9.91794
Type of gen. func.: lgdogf

$$-\frac{-x-1+(x^2-14x+1)^{1/2}}{2(x^2-14x+1)^{1/2}\,x}$$

Sequence: A103214
Score: 17.9497
Type of gen. func.: ogf

$$\frac{23x+1}{(x-1)^2}$$

Sequence: A103214
Score: 22.4988
Type of gen. func.: revogf

$$-\frac{-1-2x+(1+96x)^{1/2}}{2(-23+x)}$$

Sequence: A103214
Score: 32.3983
Type of gen. func.: lgdogf

$$-\frac{25+23x}{(23x+1)(x-1)}$$

Sequence: A103214
Score: 9.27734
Type of gen. func.: ogf

$$(48 f(x) + 577) (f(x) x^2 - 2 f(x) x + f(x) - 23 x - 1)$$

Sequence: A103214
Score: 9.94800
Type of gen. func.: ogf

$$\{-a(n+2) + 2 a(n+1) - a(n), a(0) = 1, a(1) = 25\}$$

Sequence: A103215
Score: 8.99410
Type of gen. func.: ogf

$$\frac{7 x^6 + 4 x^5 + 3 x^4 + 5 x^3 + 3 x^2 + x + 1}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A103220
Score: 20.4062
Type of gen. func.: lgdogf

$$- \frac{9 x^2 + 38 x + 13}{(x - 1) (3 x^2 + 8 x + 1)}$$

Sequence: A103220
Score: 3.76451
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (1 + 7 n) a(n + 3) + (-43 - 5 n) a(n + 2)$$

$$+ (-9 - 3 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 13, a(3) = 58\}$$

Sequence: A103220
Score: 8.98039
Type of gen. func.: ogf

$$- \frac{x (3 x^2 + 8 x + 1)}{(x - 1)^5}$$

Sequence: A103221
Score: 23.0419
Type of gen. func.: ogf

$$\frac{1}{(x^2 + x + 1) (x + 1) (x - 1)^2}$$

Sequence: A103221
Score: 24.5075
Type of gen. func.: lgdogf

$$-\frac{x\,(5\,x^{2}+5\,x+2)}{(x-1)\,(x+1)\,(x^{2}+x+1)}$$

Sequence: A103221
Score: 37.6923
Type of gen. func.: ogf_with_Euler_transform]

$$[x^{2}+x]$$

Sequence: A103258
Score: 10.3085
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2\,x^{6}-x^{5}-2\,x^{4}+x^{3}-2\,x^{2}-x-2}{-x^{8}+1}$$

Sequence: A103260
Score: 5.02348
Type of gen. func.: ogf

$$(x+1)\,(x^{23}-x^{22}+x^{21}+x^{20}-x^{19}+x^{18}-x^{17}+2\,x^{16}+x^{7}-x^{6}+x^{5}+1)\Big/\Big((x-1)\,(x^{23}+x^{22}+x^{21}-x^{20}-x^{19}-x^{18}-x^{17}-2\,x^{16}+x^{7}+x^{6}+x^{5}-1)\Big)$$

Sequence: A103261
Score: 11.8886
Type of gen. func.: ogf_with_Euler_transform]

2

$$-\frac{-20 x + 10 x - 20}{-x^{4} + 1}$$

Sequence: A103262
Score: 17.9796
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^{4} - 2}{-x^{6} + 1}$$

Sequence: A103290
Score: 10.0861
Type of gen. func.: ogf

$$-\frac{2 x^{2} (x^{2} + 1)}{(x - 1)^{5}}$$

Sequence: A103290
Score: 27.2872
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^{3} + x + 5]$$

Sequence: A103290
Score: 28.1936
Type of gen. func.: lgdogf

$$-\frac{3 x^{2} + 2 x + 5}{(x - 1) (x^{2} + 1)}$$

Sequence: A103290
Score: 4.40220
Type of gen. func.: ogf

$$\{(-14 n^2 - 54 n - 52) a(n + 1) + (13 n^2 - 36 n - 145) a(n + 2)$$

$$+ (n^2 + 30 n + 29) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A103311
Score: 11.8006
Type of gen. func.: ogf

$$\frac{x (x - 1)^2}{x^4 - 2 x^3 + 4 x^2 - 3 x + 1}$$

Sequence: A103311
Score: 17.0238
Type of gen. func.: lgdogf

$$- \frac{2 x^4 - 6 x^3 + 6 x^2 - 5 x + 1}{(x - 1) (x^4 - 2 x^3 + 4 x^2 - 3 x + 1)}$$

Sequence: A103311
Score: 6.28791
Type of gen. func.: ogf

$$-(f(x) + 1) (f(x) x^4 - 2 f(x) x^3 + 4 f(x) x^2 - x^3 - 3 f(x) x + 2 x^2 + f(x) - x)$$

Sequence: A103312
Score: 14.7809
Type of gen. func.: ogf

$$\frac{x (x - 1)^2}{3 x^2 - 3 x + 1}$$

Sequence: A103312
Score: 34.1294
Type of gen. func.: lgdogf

$$\frac{3x-1}{(x-1)(3x^2-3x+1)}$$

Sequence: A103312
Score: 7.45583
Type of gen. func.: ogf

$$\{-a(n+4)+3a(n+3)-3a(n+2), a(0)=0, a(1)=1, a(2)=1, a(3)=1\}$$

Sequence: A103312
Score: 8.34167
Type of gen. func.: ogf

$$-(f(x)+1)(3f(x)x^2-x^3-3f(x)x+2x^2+f(x)-x)$$

Sequence: A103321
Score: 12.3298
Type of gen. func.: ogf

$$\frac{1}{(x^3+x-1)(x^3+x^2+x-1)}$$

Sequence: A103321
Score: 12.9965
Type of gen. func.: lgdogf

$$-\frac{6x^5+5x^4+8x^3-3x^2-2}{(x^3+x-1)(x^3+x^2+x-1)}$$

Sequence: A103322
Score: 11.0673
Type of gen. func.: ogf

$$\frac{1}{(x^3+x^2-1)(x^3+x^2+x-1)}$$

Sequence: A103322
Score: 11.7545
Type of gen. func.: lgdogf

$$-\frac{6 x^5 + 10 x^4 + 8 x^3 - 3 x^2 - 4 x - 1}{(x^3 + x^2 - 1) (x^3 + x^2 + x - 1)}$$

Sequence: A103325
Score: 4.01758
Type of gen. func.: ogf

$$\frac{x^5 - 235 x^4 - 960 x^3 + 1045 x^2 + 255 x - 32}{(x^2 + x - 1) (x^2 + 11 x - 1) (x^2 - 4 x - 1)}$$

Sequence: A103326
Score: 7.08317
Type of gen. func.: ogf

$$-\frac{5 (x^4 - 4 x^3 - 9 x^2 + 6 x + 1)}{(x - 1) (x^2 + 3 x + 1) (x^2 - 7 x + 1)}$$

Sequence: A103333
Score: 14.6137
Type of gen. func.: ogf

$$-8 f(x) x + f(x) + 5 x - 1$$

Sequence: A103333
Score: 17.7734
Type of gen. func.: ogf

$$\frac{5 x - 1}{8 x - 1}$$

Sequence: A103333
Score: 17.9288
Type of gen. func.: revogf

$$\frac{1}{10} + \frac{4 x}{5} - \frac{(64 x^2 - 4 x + 1)^{1/2}}{10}$$

Sequence: A103333
Score: 35.8577
Type of gen. func.: lgdogf

$$\frac{3}{(8 x - 1) (5 x - 1)}$$

Sequence: A103333
Score: 9.13356
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 3\}$$

Sequence: A103334
Score: 10.7646
Type of gen. func.: ogf

$$\frac{10 x^2 - 9 x + 1}{(8 x - 1) (-1 + 2 x)}$$

Sequence: A103334
Score: 12.0538
Type of gen. func.: lgdogf

$$\frac{44 x^2 - 12 x + 1}{(-1 + 2 x) (8 x - 1) (10 x^2 - 9 x + 1)}$$

Sequence: A103334

Score: 5.79630
Type of gen. func.: ogf

$$\{a(n + 3) - 10 a(n + 2) + 16 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 4\}$$

Sequence: A103334
Score: 8.14615
Type of gen. func.: ogf

$$-16 f(x) x^2 + 10 f(x) x + 10 x^2 - f(x) - 9 x + 1$$

Sequence: A103368
Score: 10.0573
Type of gen. func.: ogf

$$-f(x) x^4 - f(x) x^2 - f(x) + x + 1$$

Sequence: A103368
Score: 12.9308
Type of gen. func.: ogf

$$\frac{x + 1}{(x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A103368
Score: 16.9414
Type of gen. func.: lgdogf

$$- \frac{3 x^4 + 4 x^3 + x^2 + 2 x - 1}{(x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A103368
Score: 21.7894
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5 - 2 x + 1]$$

Sequence: A103370
Score: 3.24416
Type of gen. func.: ogf

$$\{(9 n^2 + 45 n + 54) a(n + 1) + (-10 n^2 - 80 n - 156) a(n + 2) + (n^2 + 11 n + 30) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 12\}$$

Sequence: A103372
Score: 10.9797
Type of gen. func.: ogf

$$-f(x) x^5 - f(x) x^4 - x^3 - x^2 + f(x) - x - 1$$

Sequence: A103372
Score: 12.1564
Type of gen. func.: lgdogf

$$-\frac{2 x^7 + 4 x^6 + 6 x^5 + 8 x^4 + 4 x^3 + 3 x^2 + 2 x + 1}{(x + 1) (x^2 + 1) (x^5 + x^4 - 1)}$$

Sequence: A103372
Score: 13.3445
Type of gen. func.: ogf

$$-\frac{(x^2 + 1) (x + 1)}{x^5 + x^4 - 1}$$

Sequence: A103373
Score: 11.9513
Type of gen. func.: ogf

$$-\frac{x^4 + x^3 + x^2 + x + 1}{x^6 + x^5 - 1}$$

Sequence: A103373
Score: 9.83621
Type of gen. func.: lgdogf

$$-\frac{2x^9+4x^8+6x^7+8x^6+10x^5+5x^4+4x^3+3x^2+2x+1}{(x^4+x^3+x^2+x+1)(x^6+x^5-1)}$$

Sequence: A103374
Score: 11.1720
Type of gen. func.: ogf

$$-\frac{(x+1)(x^2+x+1)(x^2-x+1)}{x^7+x^6-1}$$

Sequence: A103374
Score: 8.07215
Type of gen. func.: lgdogf

$$-(2x^{11}+4x^{10}+6x^9+8x^8+10x^7+12x^6+6x^5+5x^4+4x^3+3x^2+2x+1) \Big/ ((x+1)(x^2+x+1)(x^2-x+1)(x^7+x^6-1))$$

Sequence: A103375
Score: 6.97953
Type of gen. func.: lgdogf

$$-(2x^{13}+4x^{12}+6x^{11}+8x^{10}+10x^9+12x^8+14x^7+7x^6+6x^5+5x^4+4x^3+3x^2+2x+1) \Big/ ((x^6+x^5+x^4+x^3+x^2+x+1)(x^8+x^7-1))$$

Sequence: A103375

Score: 9.99491
Type of gen. func.: ogf

$$-\frac{x^6+x^5+x^4+x^3+x^2+x+1}{x^8+x^7-1}$$

Sequence: A103376
Score: 9.50974
Type of gen. func.: ogf

$$-\frac{(x^4+1)\,(x^2+1)\,(x+1)}{x^9+x^8-1}$$

Sequence: A103377
Score: 10.0242
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{29}+x^{20}+x^{19}-x^9-1}{-x^{20}-x^{19}-x^{18}+1}$$

Sequence: A103377
Score: 8.63122
Type of gen. func.: ogf

$$-\frac{(x^2+x+1)\,(x^6+x^3+1)}{x^{10}+x^9-1}$$

Sequence: A103378
Score: 7.53900
Type of gen. func.: ogf

$$-\frac{(x+1)\,(x^4+x^3+x^2+x+1)\,(x^4-x^3+x^2-x+1)}{x^{11}+x^{10}-1}$$

Sequence: A103378
Score: 9.39585
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{32}+x^{22}+x^{21}-x^{10}-1}{-x^{22}-x^{21}-x^{20}+1}$$

Sequence: A103379
Score: 10.1825
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{35}+x^{24}+x^{23}-x^{11}-1}{-x^{24}-x^{23}-x^{22}+1}$$

Sequence: A103379
Score: 7.57527
Type of gen. func.: ogf

$$-\frac{x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1}{x^{12}+x^{11}-1}$$

Sequence: A103380
Score: 10.1891
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{38}+x^{26}+x^{25}-x^{12}-1}{-x^{26}-x^{25}-x^{24}+1}$$

Sequence: A103380
Score: 7.06668
Type of gen. func.: ogf

$$-\frac{(x+1)(x^{2}+1)(x^{2}+x+1)(x^{2}-x+1)(x^{4}-x^{2}+1)}{}$$

$$x^{13} + x^{12} - 1$$

Sequence: A103424
Score: 13.3287
Type of gen. func.: ogf

$$4 f(x) x^2 - 4 x^2 - f(x) + 2 x + 1$$

Sequence: A103424
Score: 14.4167
Type of gen. func.: ogf

$$\frac{4 x^2 - 2 x - 1}{(-1 + 2 x) (2 x + 1)}$$

Sequence: A103424
Score: 18.6883
Type of gen. func.: lgdogf

$$\frac{2 (4 x^2 + 1)}{(2 x + 1) (-1 + 2 x) (4 x^2 - 2 x - 1)}$$

Sequence: A103424
Score: 8.51108
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 0\}$$

Sequence: A103425
Score: 11.7956
Type of gen. func.: ogf

$$- \frac{5 x^2 - 1}{(x - 1) (3 x - 1) (x + 1)}$$

Sequence: A103425
Score: 12.9249
Type of gen. func.: lgdogf

$$-\frac{15 x^4 + 6 x^2 - 8 x + 3}{(x - 1) (3 x - 1) (x + 1) (5 x^2 - 1)}$$

Sequence: A103425
Score: 6.00313
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) - a(n + 1) + 3 a(n), a(0) = 1, a(1) = 3, a(2) = 5}

Sequence: A103425
Score: 6.22547
Type of gen. func.: ogf

$$(8 f(x) - 13) (3 f(x) x^3 - f(x) x^2 - 3 f(x) x + 5 x^2 + f(x) - 1)$$

Sequence: A103433
Score: 4.11777
Type of gen. func.: ogf

$$(1795 f(x) - 173)$$

$$(f(x) x^4 - 9 f(x) x^3 + 16 f(x) x^2 - x^3 - 9 f(x) x + 4 x^2 + f(x) - x)$$

Sequence: A103433
Score: 7.73473
Type of gen. func.: ogf

$$\frac{x (x^2 - 4 x + 1)}{(x^2 - 7 x + 1) (x - 1)^2}$$

Sequence: A103433
Score: 9.54638

Type of gen. func.: lgdogf

$$-\frac{2x^4-19x^3+57x^2-25x+5}{(x-1)(x^2-7x+1)(x^2-4x+1)}$$

Sequence: A103434
Score: 13.4928
Type of gen. func.: lgdogf

$$-\frac{(x-5)(3x^2+4x-2)}{(x-1)(x+1)(x^2-7x+1)}$$

Sequence: A103434
Score: 4.3368
Type of gen. func.: ogf

$$-(444744 f(x) + 22033)$$

$$(f(x) x^4 - 9 f(x) x^3 + 16 f(x) x^2 - 9 f(x) x - x^2 + f(x) - x)$$

Sequence: A103434
Score: 9.13356
Type of gen. func.: ogf

$$\frac{x(x+1)}{(x^2-7x+1)(x-1)^2}$$

Sequence: A103435
Score: 10.934
Type of gen. func.: ogf

$$4 f(x) x^2 + 2 f(x) x - f(x) + 2 x$$

Sequence: A103435
Score: 17.4352
Type of gen. func.: ogf

$$-\frac{2x}{4x^2+2x-1}$$

Sequence: A103435
Score: 19.8540
Type of gen. func.: revogf

$$\frac{-1-x+(5x^2+2x+1)^{1/2}}{4x}$$

Sequence: A103435
Score: 26.4721
Type of gen. func.: lgdogf

$$-\frac{2(4x+1)}{4x^2+2x-1}$$

Sequence: A103435
Score: 7.96425
Type of gen. func.: ogf

$$\{-a(n+2)+2a(n+1)+4a(n),\ a(0)=0,\ a(1)=2\}$$

Sequence: A103453
Score: 12.1103
Type of gen. func.: ogf

$$\frac{3x^2-2x+1}{(3x-1)(x-1)}$$

Sequence: A103453
Score: 15.3369
Type of gen. func.: lgdogf

$$2(3x^2-1)$$

```
- ---------------------------------
                          2
  (x - 1) (3 x - 1) (3 x  - 2 x + 1)
```

Sequence: A103453
Score: 6.29261
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 8\}$$

Sequence: A103453
Score: 9.04007
Type of gen. func.: ogf

$$-3 f(x) x^2 + 4 f(x) x + 3 x^2 - f(x) - 2 x + 1$$

Sequence: A103454
Score: 12.4124
Type of gen. func.: ogf

$$\frac{4 x^2 - 2 x + 1}{(4 x - 1) (x - 1)}$$

Sequence: A103454
Score: 14.0249
Type of gen. func.: lgdogf

$$-\frac{3 (-1 + 2 x) (2 x + 1)}{(x - 1) (4 x - 1) (4 x^2 - 2 x + 1)}$$

Sequence: A103454
Score: 6.38695
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 15\}$$

Sequence: A103454

Score: 9.26559
Type of gen. func.: ogf

$$-4 f(x) x^2 + 5 f(x) x + 4 x^2 - f(x) - 2 x + 1$$

Sequence: A103455
Score: 11.4893
Type of gen. func.: ogf

$$\frac{5 x^2 - 2 x + 1}{(5 x - 1) (x - 1)}$$

Sequence: A103455
Score: 14.5505
Type of gen. func.: lgdogf

$$- \frac{4 (5 x^2 - 1)}{(x - 1) (5 x - 1) (5 x^2 - 2 x + 1)}$$

Sequence: A103455
Score: 5.91199
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 5 a(n + 1), a(0) = 1, a(1) = 4, a(2) = 24\}$$

Sequence: A103455
Score: 8.57655
Type of gen. func.: ogf

$$-5 f(x) x^2 + 6 f(x) x + 5 x^2 - f(x) - 2 x + 1$$

Sequence: A103456
Score: 10.2004
Type of gen. func.: ogf

$$\frac{10 x^2 - 2 x + 1}{}$$

$$(10 x - 1) (x - 1)$$

Sequence: A103456
Score: 12.7146
Type of gen. func.: lgdogf

$$- \frac{9 (10 x^2 - 1)}{(x - 1) (10 x - 1) (10 x^2 - 2 x + 1)}$$

Sequence: A103456
Score: 5.44020
Type of gen. func.: ogf

$$\{-a(n + 3) + 11 a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 9, a(2) = 99\}$$

Sequence: A103456
Score: 7.7192
Type of gen. func.: ogf

$$-10 f(x) x^2 + 11 f(x) x + 10 x^2 - f(x) - 2 x + 1$$

Sequence: A103457
Score: 13.1654
Type of gen. func.: ogf

$$- \frac{3 x^2 - 1}{(3 x - 1) (x - 1)}$$

Sequence: A103457
Score: 15.4164
Type of gen. func.: lgdogf

$$- \frac{4 (3 x^2 - 3 x + 1)}{(x - 1) (3 x - 1) (3 x^2 - 1)}$$

Sequence: A103457
Score: 6.26315
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 3 a(n + 1), a(0) = 1, a(1) = 4, a(2) = 10\}$$

Sequence: A103457
Score: 6.79056
Type of gen. func.: ogf

$$-(13 f(x) + 19) (3 f(x) x^2 - 4 f(x) x + 3 x^2 + f(x) - 1)$$

Sequence: A103458
Score: 11.8607
Type of gen. func.: ogf

$$- \frac{7 x^2 - 1}{(7 x - 1) (x - 1)}$$

Sequence: A103458
Score: 13.8827
Type of gen. func.: lgdogf

$$- \frac{4 (14 x^2 - 7 x + 2)}{(x - 1) (7 x - 1) (7 x^2 - 1)}$$

Sequence: A103458
Score: 5.64245
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 7 a(n + 1), a(0) = 1, a(1) = 8, a(2) = 50\}$$

Sequence: A103458
Score: 6.24916
Type of gen. func.: ogf

2 2

$$-(9 f(x) + 7) (7 f(x) x - 8 f(x) x + 7 x + f(x) - 1)$$

Sequence: A103459
Score: 12.5332
Type of gen. func.: ogf

$$-\frac{8 x^{2} - 1}{(8 x - 1) (x - 1)}$$

Sequence: A103459
Score: 15.0535
Type of gen. func.: lgdogf

$$-\frac{72 x^{2} - 32 x + 9}{(x - 1) (8 x - 1) (8 x^{2} - 1)}$$

Sequence: A103459
Score: 5.96238
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 8 a(n + 1), a(0) = 1, a(1) = 9, a(2) = 65\}$$

Sequence: A103459
Score: 6.46447
Type of gen. func.: ogf

$$-(49 f(x) + 32) (8 f(x) x^{2} - 9 f(x) x + 8 x^{2} + f(x) - 1)$$

Sequence: A103460
Score: 11.4773
Type of gen. func.: lgdogf

$$-\frac{2 (45 x^{2} - 18 x + 5)}{(x - 1) (3 x - 1) (1 + 3 x) (9 x - 1)}$$

Sequence: A103460
Score: 11.4833
Type of gen. func.: ogf

$$-\frac{(3x-1)(1+3x)}{(9x-1)(x-1)}$$

Sequence: A103460
Score: 5.46825
Type of gen. func.: ogf

{a(n + 3) - 10 a(n + 2) + 9 a(n + 1), a(0) = 1, a(1) = 10, a(2) = 82}

Sequence: A103460
Score: 6.04385
Type of gen. func.: ogf

$$-(16 f(x) + 9) (9 f(x) x^2 - 10 f(x) x + 9 x^2 + f(x) - 1)$$

Sequence: A103461
Score: 13.0990
Type of gen. func.: ogf

$$-\frac{10x^2+1}{(10x+1)(x-1)}$$

Sequence: A103461
Score: 15.9540
Type of gen. func.: lgdogf

$$-\frac{90x^2+40x-9}{(x-1)(10x+1)(10x^2+1)}$$

Sequence: A103461
Score: 6.36236
Type of gen. func.: ogf

```
     {a(n + 3) + 9 a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = -9, a(2) = 101}



------------------------------------------------------------------------------

Sequence:  A103461
Score: 7.1069
Type of gen. func.: ogf


                                     2                  2
           (121 f(x) - 40) (10 f(x) x  - 9 f(x) x + 10 x  - f(x) + 1)



------------------------------------------------------------------------------

Sequence:  A103469
Score: 10.8662
Type of gen. func.: ogf


                             6    5    4    3
                            x  - x  + x  - x  - x - 1
                  - ------------------------------------------
                              2            2                  2
                    (x + 1) (x  + x + 1) (x  - x + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A103469
Score: 8.01943
Type of gen. func.: lgdogf


        11    10      9      8      6      5      4    3      2
       x   - x   + 3 x  - 3 x  - 6 x  - 3 x  - 7 x  + x  - 5 x  - 2 x - 2
    - ---------------------------------------------------------------------
                        2            2            6    5    4    3
      (x - 1) (x + 1) (x  + x + 1) (x  - x + 1) (x  - x  + x  - x  - x - 1)



------------------------------------------------------------------------------

Sequence:  A103485
Score: 11.6652
Type of gen. func.: ogf


                                 3      2
                              7 x  + 5 x  - 4 x - 7
                            - ---------------------
                                        3    2
                              (x - 1) (x  + x  - 1)



------------------------------------------------------------------------------

Sequence:  A103485
Score: 6.28826
Type of gen. func.: ogf


                           4         2      3               2
 -(104 f(x) + 2715) (f(x) x  - f(x) x  + 7 x  - f(x) x + 5 x  + f(x) - 4 x - 7)
```

Sequence: A103485
Score: 9.48434
Type of gen. func.: lgdogf

$$-\frac{7 x^6 + 10 x^5 - 5 x^4 - 14 x^3 - 12 x^2 + 4 x + 11}{(x - 1) (x^3 + x^2 - 1) (7 x^3 + 5 x^2 - 4 x - 7)}$$

Sequence: A103486
Score: 11.8306
Type of gen. func.: lgdogf

$$-\frac{3 x^5 - x^4 - 11 x^3 - 25 x^2 - 15 x - 11}{(x - 1) (3 x^3 - 2 x^2 - 4 x - 7) (x^2 + x + 1)}$$

Sequence: A103486
Score: 12.4099
Type of gen. func.: ogf

$$-\frac{3 x^3 - 2 x^2 - 4 x - 7}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A103486
Score: 4.94961
Type of gen. func.: ogf

$$\{(-10 n - 51) a(n + 1) - 10 a(n + 2) - 10 a(n + 3) + (10 n + 41) a(n + 4),$$
$$a(0) = 7, a(1) = 11, a(2) = 13, a(3) = 17\}$$

Sequence: A103486
Score: 6.85026
Type of gen. func.: ogf

$$(1140 f(x) + 3169) (f(x) x^4 - f(x) x^3 + 3 x^3 - f(x) x - 2 x^2 + f(x) - 4 x - 7)$$

Sequence: A103505
Score: 10.7232
Type of gen. func.: ogf

$$\frac{x^4 - 2x^3 - 2x^2 + 2x - 1}{(x-1)^3}$$

Sequence: A103505
Score: 16.5297
Type of gen. func.: lgdogf

$$\frac{x^4 - 4x^3 + 8x^2 + 1}{(x-1)(x^4 - 2x^3 - 2x^2 + 2x - 1)}$$

Sequence: A103505
Score: 6.35141
Type of gen. func.: ogf

$$(11 f(x) - 180)$$

$$(f(x) x^3 - x^4 - 3 f(x) x^2 + 2x^3 + 3 f(x) x + 2x^2 - f(x) - 2x + 1)$$

Sequence: A103517
Score: 15.7908
Type of gen. func.: ogf

$$-\frac{x^2 - 2x - 1}{(x-1)^2}$$

Sequence: A103517
Score: 43.1758
Type of gen. func.: lgdogf

$$\frac{4}{(x-1)(x^2 - 2x - 1)}$$

Sequence: A103517
Score: 8.20502
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 4, a(2) = 6\}$$

Sequence: A103517
Score: 8.62797
Type of gen. func.: ogf

$$-(f(x) + 3) (f(x) x^2 - 2 f(x) x + x^2 + f(x) - 2 x - 1)$$

Sequence: A103519
Score: 12.2950
Type of gen. func.: lgdegf]

$$\frac{x^4 + 2 x^3 - 9 x^2 + 2 x + 10}{(x - 1) (x^3 + 2 x^2 - 4 x - 2)}$$

Sequence: A103519
Score: 3.56297
Type of gen. func.: ogf

$$\{(-n^2 - 8 n - 15) a(n + 1) + (n^2 + 8 n + 17) a(n + 2) + (-n - 3) a(n + 3),$$
$$a(0) = 1, a(1) = 5, a(2) = 21\}$$

Sequence: A103532
Score: 10.3922
Type of gen. func.: ogf

$$\frac{7 x^2 + 16 x + 1}{(x - 1)^4}$$

Sequence: A103532
Score: 18.2851
Type of gen. func.: lgdogf

$$-\frac{2\,(7x^2+31x+10)}{(x-1)\,(7x^2+16x+1)}$$

Sequence: A103532
Score: 5.15925
Type of gen. func.: ogf

$(791040\, f(x) + 8844197)$

$$(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - 4\,f(x)\,x - 7x^2 + f(x) - 16x - 1)$$

Sequence: A103535
Score: 4.95707
Type of gen. func.: ogf

$$-\frac{3x^7 - 17x^6 + 12x^5 + 60x^4 - 96x^3 + 21x^2 + 25x - 9}{(x^2-4x+1)\,(x^4-4x^2+1)\,(x-1)^2}$$

Sequence: A103604
Score: 19.2313
Type of gen. func.: lgdogf

$$-\frac{11\,(5x^2+14x+7)}{(x-1)\,(5x^2+12x+5)}$$

Sequence: A103604
Score: 3.54759
Type of gen. func.: ogf

$\{(5n+20)\,a(n+4) + (-56+7n)\,a(n+3) + (-168-7n)\,a(n+2)$

$+ (-60-5n)\,a(n+1),\ a(0) = 210,\ a(1) = 3234,\ a(2) = 25872,$

$a(3) = 144144\}$

Sequence: A103609
Score: 11.5194
Type of gen. func.: ogf

$$f(x) x^4 + f(x) x^2 + x^3 + x^2 - f(x)$$

Sequence: A103609
Score: 14.3488
Type of gen. func.: ogf

$$-\frac{x^2 (x + 1)}{x^4 + x^2 - 1}$$

Sequence: A103609
Score: 19.2843
Type of gen. func.: lgdogf

$$-\frac{3 x^4 + 4 x^3 + x^2 + 2 x + 1}{(x + 1) (x^4 + x^2 - 1)}$$

Sequence: A103609
Score: 7.86423
Type of gen. func.: ogf

$\{-a(n + 4) + a(n + 2) + a(n), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 1\}$

Sequence: A103610
Score: 7.98711
Type of gen. func.: ogf

$$-\frac{x^2 (x^{13} + x^{10} + x^7 + x^6 + x^5 + x^4 + x^3 + x + 1)}{x^{16} + x^8 - 1}$$

Sequence: A103620
Score: 10.3733
Type of gen. func.: lgdegf]

$$-\frac{140x^9+823x^8-140x^7-6720}{(x-1)(x+1)(823x^8-6720)}$$

Sequence: A103621
Score: 7.61553
Type of gen. func.: ogf

$$\frac{3x^8+34x^7+2x^6+2x^5+10x^4+2x^3+2x^2+2x+7}{(x^4+1)(x^2+1)(x+1)(x-1)^2}$$

Sequence: A103623
Score: 3.61907
Type of gen. func.: ogf

$$(341x^8+11352x^7+77440x^6+153824x^5+99330x^4+19624x^3+968x^2+1)\bigg/(x-1)^{10}$$

Sequence: A103626
Score: 5.60271
Type of gen. func.: ogf

$$-\frac{x^{14}+x^{13}+2x^{12}-x^{11}-x^{10}+x^8-x^7-x^6-x^5-x^3-x^2-x-1}{(x-1)(x+1)(x^2+1)(2x^{12}+x^8-1)}$$

Sequence: A103627
Score: 14.0160
Type of gen. func.: ogf

```
          4    3    2
   x (x  - x  + x  + 1)
  ----------------------
          2   2         2
```

$$(x - 1)\ \ (x\ \ + x + 1)$$

Sequence: A103627
Score: 14.5174
Type of gen. func.: lgdogf

$$-\frac{x\,(2x^5 - 3x^4 + 4x^3 + 4x^2 + 3x + 2)}{(x - 1)(x^2 + x + 1)(x^4 - x^3 + x^2 + 1)}$$

Sequence: A103628
Score: 15.0645
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^3 + 3x^2 - x - 2}{-x + 1}$$

Sequence: A103632
Score: 15.2553
Type of gen. func.: ogf

$$-\frac{x^2 - x + 1}{x^4 + x - 1}$$

Sequence: A103632
Score: 17.3257
Type of gen. func.: lgdogf

$$-\frac{x\,(2x^4 - 3x^3 + 4x^2 - x + 2)}{(x^2 - x + 1)(x^4 + x - 1)}$$

Sequence: A103632
Score: 8.33537
Type of gen. func.: ogf

4 2

```
      -(f(x) - 1) (f(x) x  + f(x) x + x  - f(x) - x + 1)
```

Sequence: A103639
Score: 4.24920
Type of gen. func.: ogf

```
                 2
  {(16 n  + 64 n + 63) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 15}
```

Sequence: A103644
Score: 4.55614
Type of gen. func.: ogf

```
 {-a(n + 3) - 2 a(n + 2) + 6 a(n + 1) + 27 a(n), a(0) = 1, a(1) = 1, a(2) = 4}
```

Sequence: A103644
Score: 4.90328
Type of gen. func.: ogf

```
                               3            2
  (17 f(x) - 9) (27 f(x) x  + 6 f(x) x  - 2 f(x) x - f(x) + 3 x + 1)
```

Sequence: A103644
Score: 9.12967
Type of gen. func.: lgdogf

```
                     3       2
                162 x  + 99 x  + 12 x + 1
          - -------------------------------------
                                     2
            (3 x - 1) (1 + 3 x) (9 x  + 5 x + 1)
```

Sequence: A103644
Score: 9.53415
Type of gen. func.: ogf

```
                     1 + 3 x
             - --------------------------
                                 2
                (3 x - 1) (9 x  + 5 x + 1)
```

Sequence: A103645

Score: 5.0879
Type of gen. func.: ogf

$-(187 f(x) + 9441)$

$$(27 f(x) x^3 + 6 f(x) x^2 - 2 f(x) x + 108 x^2 - f(x) + 27 x + 1)$$

Sequence: A103645
Score: 5.48609
Type of gen. func.: ogf

$\{a(n + 3) + 2 a(n + 2) - 6 a(n + 1) - 27 a(n), a(0) = 1, a(1) = 25, a(2) = 64\}$

Sequence: A103645
Score: 8.13191
Type of gen. func.: lgdogf

$$-\frac{2916 x^4 + 1458 x^3 + 459 x^2 + 228 x + 25}{(3 x - 1) (9 x^2 + 5 x + 1) (108 x^2 + 27 x + 1)}$$

Sequence: A103645
Score: 9.70615
Type of gen. func.: ogf

$$-\frac{108 x^2 + 27 x + 1}{(3 x - 1) (9 x^2 + 5 x + 1)}$$

Sequence: A103646
Score: 12.3687
Type of gen. func.: lgdogf

$$-\frac{162 x^3 + 99 x^2 + 12 x + 1}{(3 x - 1) (1 + 3 x) (9 x^2 + 5 x + 1)}$$

Sequence: A103646
Score: 12.3808

Type of gen. func.: ogf

$$-\frac{9\,(1+3\,x)}{(3\,x-1)\,(9\,x^{2}+5\,x+1)}$$

Sequence: A103646
Score: 5.97318
Type of gen. func.: ogf

$$\{-a(n+3)-2\,a(n+2)+6\,a(n+1)+27\,a(n),\ a(0)=9,\ a(1)=9,\ a(2)=36\}$$

Sequence: A103646
Score: 6.36395
Type of gen. func.: ogf

$$(17\,f(x)-81)\,(27\,f(x)\,x^{3}+6\,f(x)\,x^{2}-2\,f(x)\,x-f(x)+27\,x+9)$$

Sequence: A103648
Score: 7.19005
Type of gen. func.: ogf

$$-\frac{x\,(2\,x^{11}-2\,x^{9}+3\,x^{7}-2\,x^{6}-x^{5}+x^{3}-x^{2}-1)}{(x-1)\,(2\,x^{12}+x^{8}-1)}$$

Sequence: A103650
Score: 16.7523
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2\,x^{2}+2\,x+1}{x-1}$$

Sequence: A103681
Score: 15.7562
Type of gen. func.: ogf

$$x\,(2\,x^{7}-2\,x^{6}-1)$$

$$- \frac{}{(x - 1)^2}$$

Sequence: A103681
Score: 19.2450
Type of gen. func.: lgdogf

$$\frac{2 (5 x^7 - 11 x^6 + 6 x^5 + 1)}{(x - 1) (2 x^7 - 2 x^6 - 1)}$$

Sequence: A103685
Score: 14.6316
Type of gen. func.: ogf

$$\frac{x^2}{(x - 1) (2 x^3 - 4 x^2 + 4 x - 1)}$$

Sequence: A103685
Score: 15.6872
Type of gen. func.: lgdogf

$$- \frac{8 x^3 - 18 x^2 + 16 x - 5}{(x - 1) (2 x^3 - 4 x^2 + 4 x - 1)}$$

Sequence: A103685
Score: 7.83306
Type of gen. func.: ogf

$$-2 f(x) x^4 + 6 f(x) x^3 - 8 f(x) x^2 + 5 f(x) x + x^2 - f(x)$$

Sequence: A103715
Score: 5.20252
Type of gen. func.: ogf

2 2 4 3 2

$$-\frac{x\ (x\ + 1)\ (x\ + 2 x\ + 14 x\ + 2 x + 1)}{(x - 1) (x^{8} - 82 x^{4} + 1)}$$

Sequence: A103749
Score: 13.9015
Type of gen. func.: ogf

$$-\frac{x (2 x + 1)}{2 x^{3} - x^{2} - x - 1}$$

Sequence: A103749
Score: 19.6228
Type of gen. func.: lgdogf

$$-\frac{8 x^{3} + 4 x^{2} - 2 x + 1}{(2 x + 1) (2 x^{3} - x^{2} - x - 1)}$$

Sequence: A103749
Score: 7.13861
Type of gen. func.: ogf

$$\{a(n + 3) + a(n + 2) + a(n + 1) - 2 a(n), a(0) = 0, a(1) = 1, a(2) = 1\}$$

Sequence: A103749
Score: 9.32219
Type of gen. func.: ogf

$$2 f(x) x^{3} - f(x) x^{2} - f(x) x + 2 x^{2} - f(x) + x$$

Sequence: A103750
Score: 15.0990
Type of gen. func.: ogf

$$-\frac{2 x^{3} + 1}{2 x^{4} - x^{3} + x - 1}$$

Sequence: A103750
Score: 17.6041
Type of gen. func.: lgdogf

$$-\frac{4 x^{6} + 4 x^{3} + 3 x^{2} + 1}{(2 x^{3} + 1) (2 x^{4} - x^{3} + x - 1)}$$

Sequence: A103750
Score: 6.94068
Type of gen. func.: ogf

$\{-a(n + 4) + a(n + 3) - a(n + 1) + 2 a(n), a(0) = 1, a(1) = 1, a(2) = 1,$

$a(3) = 2\}$

Sequence: A103750
Score: 7.61633
Type of gen. func.: ogf

$$-(17 f(x) - 12) (2 f(x) x^{4} - f(x) x^{3} + 2 x^{3} + f(x) x - f(x) + 1)$$

Sequence: A103768
Score: 5.93108
Type of gen. func.: ogf

$$-\frac{2 x^{2} (x^{3} - 4 x^{2} + 7 x - 3)}{(3 x - 1) (-1 + 2 x)^{2} (x - 1)^{3}}$$

Sequence: A103768
Score: 7.63999
Type of gen. func.: lgdogf

$$-\frac{18 x^{5} - 103 x^{4} + 274 x^{3} - 300 x^{2} + 140 x - 23}{(x - 1) (3 x - 1) (-1 + 2 x) (x^{3} - 4 x^{2} + 7 x - 3)}$$

Sequence: A103770
Score: 17.8154
Type of gen. func.: lgdogf

$$-\frac{27 x^2 + 6 x + 1}{(3 x - 1) (3 x^2 + 2 x + 1)}$$

Sequence: A103770
Score: 18.1716
Type of gen. func.: ogf

$$-\frac{1}{(3 x - 1) (3 x^2 + 2 x + 1)}$$

Sequence: A103770
Score: 6.00313
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - 3 a(n + 1) - 9 a(n), a(0) = 1, a(1) = 1, a(2) = 4}

Sequence: A103770
Score: 6.79142
Type of gen. func.: ogf

$$(f(x) - 1) (9 f(x) x^3 + 3 f(x) x^2 + f(x) x - f(x) + 1)$$

Sequence: A103771
Score: 16.3742
Type of gen. func.: ogf

$$-\frac{1}{4 x^3 + 4 x^2 + 4 x - 1}$$

Sequence: A103771

Score: 16.4855
Type of gen. func.: lgdogf

$$-\frac{4\,(3\,x^2+2\,x+1)}{4\,x^3+4\,x^2+4\,x-1}$$

Sequence: A103771
Score: 5.36145
Type of gen. func.: ogf

{a(n + 3) - 4 a(n + 2) - 4 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 4, a(2) = 20}

Sequence: A103771
Score: 6.11964
Type of gen. func.: ogf

$$(f(x)-1)\,(4\,f(x)\,x^3+4\,f(x)\,x^2+4\,f(x)\,x-f(x)+1)$$

Sequence: A103772
Score: 10.7028
Type of gen. func.: ogf

$$-\frac{(x+1)^2}{(x-1)\,(x^2-14\,x+1)}$$

Sequence: A103772
Score: 11.4588
Type of gen. func.: lgdogf

$$-\frac{x^3+3\,x^2-45\,x+17}{(x-1)\,(x+1)\,(x^2-14\,x+1)}$$

Sequence: A103772
Score: 5.61897
Type of gen. func.: ogf

$$(11699 f(x) - 1020) (f(x) x^3 - 15 f(x) x^2 + 15 f(x) x + x^2 - f(x) + 2 x + 1)$$

Sequence: A103772
Score: 5.76305
Type of gen. func.: ogf

$$\{a(n + 3) - 15 a(n + 2) + 15 a(n + 1) - a(n), a(0) = 1, a(1) = 17, a(2) = 241\}$$

Sequence: A103775
Score: 23.1590
Type of gen. func.: lgdogf

$$\frac{18 x^5 + 4 x^3 + 4 x + 1}{3 x^6 + x^4 + 2 x^2 + x + 1}$$

Sequence: A103779
Score: 14.5425
Type of gen. func.: ogf

$$x - f(x) - f(x)^2 - f(x)^3$$

Sequence: A103779
Score: 4.52237
Type of gen. func.: ogf

$$\{(-27 n^2 + 3) a(n) + (-14 n^2 - 21 n - 7) a(n + 1) + (-3 n^2 - 9 n - 6) a(n + 2),$$
$$a(0) = 0, a(1) = 1, a(2) = -1\}$$

Sequence: A103779
Score: 71.5203
Type of gen. func.: revogf

$$x (x^2 + x + 1)$$

Sequence: A103780
Score: 5.86279
Type of gen. func.: lgdogf

$$-\frac{(3x^2+2x+1)(3x^6+6x^5+9x^4+8x^3+5x^2+2x+1)}{x^9+3x^8+6x^7+8x^6+8x^5+6x^4+4x^3+2x^2+x-1}$$

Sequence: A103780
Score: 6.99903
Type of gen. func.: ogf

$$-\frac{1}{x^9+3x^8+6x^7+8x^6+8x^5+6x^4+4x^3+2x^2+x-1}$$

Sequence: A103817
Score: 9.79966
Type of gen. func.: ogf

$$-\frac{2x^{26}-2x^{24}+4x^{23}-4x^{22}+4x^{21}-2x^{11}+2x^{10}+x+1}{x-1}$$

Sequence: A103819
Score: 4.51094
Type of gen. func.: ogf

$-(3f(x)+1)$

$$(2f(x)x^5+2f(x)x^4-f(x)x^3-2f(x)x^2-2f(x)x-x^2+f(x)-x)$$

Sequence: A103819
Score: 9.08367
Type of gen. func.: ogf

$$\frac{x(x+1)}{(x-1)(x^2+x+1)(2x^2+2x-1)}$$

Sequence: A103819
Score: 9.33016
Type of gen. func.: lgdogf

$$-\frac{8x^5+16x^4+6x^3-5x^2-4x-3}{(x-1)(x+1)(x^2+x+1)(2x^2+2x-1)}$$

Sequence: A103820
Score: 17.3027
Type of gen. func.: lgdogf

$$-\frac{(3x-2)(3x+2)}{(x-1)(3x^2+3x-1)}$$

Sequence: A103820
Score: 19.2609
Type of gen. func.: ogf

$$\frac{1}{(x-1)(3x^2+3x-1)}$$

Sequence: A103820
Score: 6.69063
Type of gen. func.: ogf

$$\{-a(n+3)+4\,a(n+2)-3\,a(n),\ a(0)=1,\ a(1)=4,\ a(2)=16\}$$

Sequence: A103820
Score: 7.47777
Type of gen. func.: ogf

$$-(f(x)-1)(3\,f(x)\,x^3-4\,f(x)\,x+f(x)-1)$$

Sequence: A103821
Score: 16.3554
Type of gen. func.: lgdogf

$$-\frac{(4x+3)(-1+2x)}{(x-1)(4x^2+4x-1)}$$

Sequence: A103821
Score: 3.35702
Type of gen. func.: ogf

$$\{(-n-4)\,a(n+4)+(18+5n)\,a(n+3)-2\,a(n+2)+(-12-4n)\,a(n+1),$$
$$a(0)=1,\ a(1)=3,\ a(2)=11,\ a(3)=43\}$$

Sequence: A103821
Score: 6.23932
Type of gen. func.: ogf

$$-4f(x)^2x^4+4f(x)^2x^3+5f(x)^2x^2-6f(x)^2x+f(x)^2-1$$

Sequence: A103831
Score: 10.1750
Type of gen. func.: ogf

$$\frac{x(x^2+3)(x^2-2x-1)}{(x-1)^3(x+1)^3}$$

Sequence: A103831
Score: 12.9196
Type of gen. func.: lgdogf

$$-\frac{2(x^5-3x^4+6x^3-18x^2-7x-3)}{(x-1)(x+1)(x^2+3)(x^2-2x-1)}$$

Sequence: A103832
Score: 10.4321
Type of gen. func.: ogf

2 2

$$\frac{(3x + 1)(x - 2x - 1)}{(x-1)^3 (x+1)^3}$$

Sequence: A103832
Score: 11.8404
Type of gen. func.: lgdogf

$$-\frac{2(3x^5 - 9x^4 + 2x^3 - 14x^2 - 5x - 1)}{(x-1)(x+1)(3x^2+1)(x^2-2x-1)}$$

Sequence: A103847
Score: 34.3501
Type of gen. func.: ogf

$$\frac{91(x^{100} + x^{99} - 91)}{x^{99} + 91x - 91}$$

Sequence: A103847
Score: 45.7359
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{100} - 91x + 91}{91x - 91}$$

Sequence: A103872
Score: 4.22675
Type of gen. func.: ogf

$\{(9 + 3n)a(n+1) + (6 + 2n)a(n+2) + (-n - 5)a(n+3), a(0) = 0,$

$a(1) = 2, a(2) = 2\}$

Sequence: A103872
Score: 6.62933
Type of gen. func.: ogf

$$-f(x)^{2} x^{3} - f(x)^{2} x^{2} - 4 f(x) x^{2} - 2 f(x) x + 2 f(x) - 4 x$$

Sequence: A103878
Score: 7.44925
Type of gen. func.: ogf

$$- \frac{x}{(12 x - 1) (15 x - 1) (20 x - 1) (30 x - 1) (60 x - 1)}$$

Sequence: A103885
Score: 4.08836
Type of gen. func.: ogf

$$-4 x^{2} f(x)^{3} - 44 f(x)^{3} x + 8 f(x)^{2} x^{2} + 4 f(x)^{3} + 88 f(x)^{2} x - 5 f(x) x^{2}$$

$$- 8 f(x)^{2} - 60 f(x) x + x^{2} + 5 f(x) + 14 x - 1$$

Sequence: A103889
Score: 14.7230
Type of gen. func.: ogf

$$\frac{x^{2} - x + 2}{(x + 1) (x - 1)^{2}}$$

Sequence: A103889
Score: 23.1841
Type of gen. func.: lgdogf

$$- \frac{x^{3} - x^{2} + 7 x + 1}{(x - 1) (x + 1) (x^{2} - x + 2)}$$

Sequence: A103889
Score: 7.80956
Type of gen. func.: ogf

3 2 2

$$(172 f(x) + 345) (f(x) x - f(x) x - f(x) x - x + f(x) + x - 2)$$

Sequence: A103889
Score: 8.01876
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 1, a(2) = 4\}$$

Sequence: A103897
Score: 18.8965
Type of gen. func.: revogf

$$- \frac{-3 - 6 x + (4 x^2 + 36 x + 9)^{1/2}}{16 x}$$

Sequence: A103897
Score: 21.5722
Type of gen. func.: ogf

$$\frac{3}{(4 x - 1) (-1 + 2 x)}$$

Sequence: A103897
Score: 25.8952
Type of gen. func.: lgdogf

$$- \frac{2 (-3 + 8 x)}{(4 x - 1) (-1 + 2 x)}$$

Sequence: A103897
Score: 8.47481
Type of gen. func.: ogf

$$(31 f(x) + 150) (8 f(x) x^2 - 6 f(x) x + f(x) - 3)$$

Sequence: A103897
Score: 8.57690

Type of gen. func.: ogf

```
             {-a(n + 2) + 6 a(n + 1) - 8 a(n), a(0) = 3, a(1) = 18}
```

Sequence: A103924
Score: 19.7475
Type of gen. func.: ogf_with_Euler_transform]

```
       5
     -x  + 2
   - -------
      x - 1
```

Sequence: A103925
Score: 19.9262
Type of gen. func.: ogf_with_Euler_transform]

```
       6
     -x  + 2
   - -------
      x - 1
```

Sequence: A103926
Score: 18.3188
Type of gen. func.: ogf_with_Euler_transform]

```
       7
     -x  + 2
   - -------
      x - 1
```

Sequence: A103927
Score: 20.1049
Type of gen. func.: ogf_with_Euler_transform]

```
       8
     -x  + 2
   - -------
      x - 1
```

Sequence: A103928
Score: 18.4069
Type of gen. func.: ogf_with_Euler_transform]

```
       9
```

$$-\frac{-x + 2}{x - 1}$$

Sequence: A103929
Score: 17.9686
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{10} + 2}{x - 1}$$

Sequence: A103938
Score: 9.30759
Type of gen. func.: ogf

$$-x^{2} f(x)^{3} - 2 f(x)^{2} x + 28 f(x) x - f(x) - 64 x + 3$$

Sequence: A103938
Score: 9.56084
Type of gen. func.: revogf

$$3/128 + \frac{7 x}{32} - \frac{(-(16 x - 9) (4 x - 1)^{2})^{1/2}}{128}$$

Sequence: A103944
Score: 3.09852
Type of gen. func.: ogf

$\{(-16 n - 40) a(n + 1) + (-6 n + 24) a(n + 2) + (9 n + 33) a(n + 3)$

$+ (-n - 4) a(n + 4), a(0) = 1, a(1) = 10, a(2) = 93, a(3) = 836\}$

Sequence: A103947
Score: 11.8011
Type of gen. func.: ogf

$\{a(n + 3) - a(n + 1), a(0) = 1, a(1) = 4, a(2) = 3\}$

Sequence: A103947
Score: 13.2172
Type of gen. func.: ogf

$$(3 f(x) + 5) (f(x) x^2 + 2 x^2 - f(x) + 4 x + 1)$$

Sequence: A103947
Score: 20.2305
Type of gen. func.: ogf

$$-\frac{2 x^2 + 4 x + 1}{(x - 1) (x + 1)}$$

Sequence: A103947
Score: 23.1590
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^2 + 3 x + 2)}{(x - 1) (x + 1) (2 x^2 + 4 x + 1)}$$

Sequence: A103948
Score: 10.2350
Type of gen. func.: ogf

$$\frac{6 x^5 - 3 x^4 - 30 x^3 - 39 x^2 - 28 x - 1}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A103948
Score: 7.82025
Type of gen. func.: lgdogf

$$\frac{3 (2 x^8 + 4 x^7 + 9 x^6 + 18 x^5 + 34 x^4 + 44 x^3 + 44 x^2 + 26 x + 9)}{(x - 1) (x + 1) (x^2 + x + 1) (6 x^5 - 3 x^4 - 30 x^3 - 39 x^2 - 28 x - 1)}$$

Sequence: A103949
Score: 6.31952
Type of gen. func.: ogf

$$\frac{24 x^8 + 132 x^7 + 92 x^6 - 80 x^5 - 288 x^4 - 472 x^3 - 357 x^2 - 257 x - 1}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A103969
Score: 11.0120
Type of gen. func.: lgdogf

$$\frac{2 (3 x^8 + x^7 - x^6 - 3 x^5 - 5 x^4 - 4 x^3 - 3 x^2 - 2 x - 1)}{(x^4 + x^3 + x^2 + x + 1) (2 x^5 - 1)}$$

Sequence: A103969
Score: 8.79468
Type of gen. func.: ogf

$$- \frac{(x^4 + x^3 + x^2 + x + 1)^2}{2 x^5 - 1}$$

Sequence: A103970
Score: 14.0749
Type of gen. func.: ogf

$$-3 x - 1 + f(x) - f(x)^2 x$$

Sequence: A103971
Score: 13.3258
Type of gen. func.: ogf

$$4 x + 1 - f(x) + f(x)^2 x$$

Sequence: A103971

Score: 19.5766
Type of gen. func.: revogf

$$- 1/8 + \frac{(-16 x^2 + 16 x + 1)^{1/2}}{8}$$

Sequence: A103972
Score: 18.4549
Type of gen. func.: ogf

$$5 x + 1 - f(x) + f(x)^2 x$$

Sequence: A103972
Score: 25.5499
Type of gen. func.: revogf

$$- 1/10 + \frac{(-20 x^2 + 20 x + 1)^{1/2}}{10}$$

Sequence: A103972
Score: 3.91732
Type of gen. func.: ogf

$$\{(200 n^2 + 200 n) a(n) + (60 n^2 + 180 n + 120) a(n + 1) + (-6 n^2 - 18 n) a(n + 2) + (-n^2 - 7 n - 12) a(n + 3), a(0) = 1, a(1) = 6, a(2) = 12\}$$

Sequence: A103973
Score: 6.90639
Type of gen. func.: ogf

$$-8 f(x)^2 x^3 + f(x)^2 x + 8 f(x) x^2 - 16 x^3 - 8 x^2 - f(x) + x + 1$$

Sequence: A103974
Score: 4.22581
Type of gen. func.: ogf

$$(668 f(x) - 143) (f(x) x^3 - 15 f(x) x^2 + 15 f(x) x + 5 x^2 - f(x) - 10 x + 1)$$

Sequence: A103974
Score: 4.33604
Type of gen. func.: ogf

$$\{-a(n + 3) + 15 a(n + 2) - 15 a(n + 1) + a(n), a(0) = 1, a(1) = 5, a(2) = 65\}$$

Sequence: A103974
Score: 7.73511
Type of gen. func.: lgdogf

$$-\frac{5 x^4 - 20 x^3 + 78 x^2 - 20 x + 5}{(x - 1) (x^2 - 14 x + 1) (5 x^2 - 10 x + 1)}$$

Sequence: A103974
Score: 7.79133
Type of gen. func.: ogf

$$-\frac{5 x^2 - 10 x + 1}{(x - 1) (x^2 - 14 x + 1)}$$

Sequence: A103975
Score: 14.9117
Type of gen. func.: ogf

$$-\frac{16}{(x - 1) (x^2 - 14 x + 1)}$$

Sequence: A103975
Score: 18.9574
Type of gen. func.: lgdogf

$$3 (x^2 - 10 x + 5)$$

$$-\frac{}{(x - 1) (x^{2} - 14 x + 1)}$$

Sequence: A103975
Score: 5.46762
Type of gen. func.: ogf

$$\{a(n + 3) - 15 a(n + 2) + 15 a(n + 1) - a(n), a(0) = 16, a(1) = 240, a(2) = 3360\}$$

Sequence: A103975
Score: 6.07513
Type of gen. func.: ogf

$$(37843 f(x) - 688) (f(x) x^{3} - 15 f(x) x^{2} + 15 f(x) x - f(x) + 16)$$

Sequence: A103978
Score: 6.68957
Type of gen. func.: ogf

$$-12 f(x)^{2} x^{3} + f(x)^{2} x + 12 f(x) x^{2} - 36 x^{3} - 12 x^{2} - f(x) + 2 x + 1$$

Sequence: A103998
Score: 3.46296
Type of gen. func.: ogf

$$-(35525 f(x) + 181752) (f(x) x^{4} - 11 f(x) x^{3} + 3 x^{4} + 25 f(x) x^{2} - 22 x^{3} - 11 f(x) x + 25 x^{2} + f(x) - 1)$$

Sequence: A103998
Score: 5.33498
Type of gen. func.: lgdogf

$$-\frac{11 x^{6} - 100 x^{5} + 374 x^{4} - 500 x^{3} + 374 x^{2} - 100 x + 11}{(x^{4} - 11 x^{3} + 25 x^{2} - 11 x + 1) (3 x^{4} - 22 x^{3} + 25 x^{2} - 1)}$$

Sequence: A103998
Score: 6.40244
Type of gen. func.: ogf

$$-\frac{3 x^4 - 22 x^3 + 25 x^2 - 1}{x^4 - 11 x^3 + 25 x^2 - 11 x + 1}$$

Sequence: A104004
Score: 13.0117
Type of gen. func.: ogf

$$-\frac{(x - 1) (x + 1)}{(-1 + 2 x) (x^2 + x - 1)}$$

Sequence: A104004
Score: 6.56343
Type of gen. func.: ogf

$$-(37 f(x) - 11) (2 f(x) x^3 + f(x) x^2 - 3 f(x) x + x^2 + f(x) - 1)$$

Sequence: A104004
Score: 6.62204
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + a(n + 1) + 2 a(n), a(0) = 1, a(1) = 3, a(2) = 7}

Sequence: A104004
Score: 9.39099
Type of gen. func.: lgdogf

$$-\frac{2 x^4 - 3 x^2 - 4 x + 3}{(x - 1) (-1 + 2 x) (x + 1) (x^2 + x - 1)}$$

Sequence: A104005
Score: 11.6196
Type of gen. func.: ogf

$$\frac{(x - 1)^{2}}{(-1 + 2 x) (x^{2} - x - 1)}$$

Sequence: A104005
Score: 15.6727
Type of gen. func.: lgdogf

$$- \frac{2 x^{3} - 6 x^{2} + 7 x - 1}{(x - 1) (-1 + 2 x) (x^{2} - x - 1)}$$

Sequence: A104005
Score: 6.00677
Type of gen. func.: ogf

$$-(159 f(x) - 19) (2 f(x) x^{3} - 3 f(x) x^{2} - f(x) x - x^{2} + f(x) + 2 x - 1)$$

Sequence: A104005
Score: 6.32855
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = -1, a(2) = 3\}$$

Sequence: A104008
Score: 3.60993
Type of gen. func.: ogf

$$(360310039305462848 f(x) + 18283459031025)$$

$$(f(x) x^{4} - 208 f(x) x^{3} + 2718 f(x) x^{2} - 208 f(x) x + f(x) - 120 x - 120)$$

Sequence: A104008
Score: 8.12235
Type of gen. func.: ogf

$$\frac{120 (x + 1)}{(x^2 - 14 x + 1) (x^2 - 194 x + 1)}$$

Sequence: A104009
Score: 4.18055
Type of gen. func.: ogf

$$(1048809025 f(x) + 22865691) (f(x) x^4 - 208 f(x) x^3 + 2718 f(x) x^2 - 12 x^3 - 208 f(x) x + 648 x^2 + f(x) - 12 x)$$

Sequence: A104009
Score: 7.96295
Type of gen. func.: ogf

$$\frac{12 x (x^2 - 54 x + 1)}{(x^2 - 14 x + 1) (x^2 - 194 x + 1)}$$

Sequence: A104051
Score: 4.36822
Type of gen. func.: ogf

$$(135680 x^8 - 162816 x^7 + 27136 x^6 + 1500 x^5 - 1800 x^4 - 1620 x^3 + 364 x^2 - 8 x + 3) / ((5 x - 1) (128 x^3 - 1))$$

Sequence: A104095
Score: 4.56278
Type of gen. func.: ogf

$$(1460082 f(x) - 2626049) (f(x) x^4 + 10 f(x) x^3 + 19 f(x) x^2 - 18 x^3 + f(x) x - f(x) + x)$$

Sequence: A104095

Score: 8.61992
Type of gen. func.: lgdogf

$$-\frac{36 x^5 + 180 x^4 - 4 x^3 - 48 x^2 - 2 x - 1}{(18 x^2 - 1) (x^4 + 10 x^3 + 19 x^2 + x - 1)}$$

Sequence: A104095
Score: 9.39394
Type of gen. func.: ogf

$$\frac{x (18 x^2 - 1)}{x^4 + 10 x^3 + 19 x^2 + x - 1}$$

Sequence: A104099
Score: 10.0816
Type of gen. func.: ogf

$$\frac{x (17 x^2 + 38 x + 5)}{(x - 1)^4}$$

Sequence: A104099
Score: 18.1798
Type of gen. func.: lgdogf

$$-\frac{2 (17 x^2 + 74 x + 29)}{(x - 1) (17 x^2 + 38 x + 5)}$$

Sequence: A104099
Score: 3.68840
Type of gen. func.: ogf

$\{(-15 - 5 n) a(n + 4) + (-8 - 33 n) a(n + 3) + (169 + 21 n) a(n + 2)$

$+ (34 + 17 n) a(n + 1), a(0) = 0, a(1) = 5, a(2) = 58, a(3) = 219\}$

Sequence: A104099
Score: 5.04082
Type of gen. func.: ogf

$$(10466000 f(x) + 151321589)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 17 x^3 - 4 f(x) x - 38 x^2 + f(x) - 5 x)$$

Sequence: A104100
Score: 3.50029
Type of gen. func.: ogf

$$-(17092500868379 f(x) - 22019348495041)$$

$$(f(x) x^4 + 10 f(x) x^3 + 19 f(x) x^2 - 3 x^3 + f(x) x + 37 x^2 - f(x) + 20 x)$$

Sequence: A104100
Score: 7.01725
Type of gen. func.: lgdogf

$$- \frac{6 x^5 - 81 x^4 - 820 x^3 - 1306 x^2 - 754 x - 57}{(3 x^2 - 37 x - 20) (x^4 + 10 x^3 + 19 x^2 + x - 1)}$$

Sequence: A104100
Score: 7.59153
Type of gen. func.: ogf

$$\frac{x (3 x^2 - 37 x - 20)}{x^4 + 10 x^3 + 19 x^2 + x - 1}$$

Sequence: A104121
Score: 16.5350
Type of gen. func.: ogf

$$- \frac{x^2 (x^7 - x^6 + 1)}{x - 1}$$

Sequence: A104121
Score: 21.2632
Type of gen. func.: lgdogf

$$\frac{6 x^7 - 12 x^6 + 6 x^5 - 1}{(x - 1) (x^7 - x^6 + 1)}$$

Sequence: A104144
Score: 8.46534
Type of gen. func.: ogf

$$- \frac{x^8}{x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A104144
Score: 9.11513
Type of gen. func.: lgdogf

$$- \frac{9 x^8 + 8 x^7 + 7 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1}{x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A104150
Score: 10.5637
Type of gen. func.: ogf

$$\{-n a(n) + a(n + 1), a(0) = 0, a(1) = 1\}$$

Sequence: A104150
Score: 64.9118
Type of gen. func.: revegf]

$$1 - \exp(-x)$$

Sequence: A104155
Score: 5.82243

Type of gen. func.: ogf

$$-(44x^{16}-x^{15}-x^{14}-x^{13}-7x^{12}-x^{11}-x^{10}-x^{9}-7x^{8}-x^{7}-x^{6}-x^{5}-7x^{4}-x^{3}-x^{2}-x-111)\Big/\left((x^{8}+1)(x^{4}+1)(x^{2}+1)(x+1)(x-1)^{2}\right)$$

Sequence: A104161
Score: 11.6969
Type of gen. func.: lgdogf

$$-\frac{2(x^{4}-x^{3}+2x^{2}-1)}{(x-1)(x^{2}-x+1)(x^{2}+x-1)}$$

Sequence: A104161
Score: 4.2996
Type of gen. func.: ogf

$$(3f(x)-1)(f(x)x^{4}-f(x)x^{3}-2f(x)x^{2}+x^{3}+3f(x)x-x^{2}-f(x)+x)$$

Sequence: A104161
Score: 7.83352
Type of gen. func.: ogf

$$-\frac{x(x^{2}-x+1)}{(x^{2}+x-1)(x-1)^{2}}$$

Sequence: A104175
Score: 9.65068
Type of gen. func.: ogf

$$-\frac{9x^{6}+3x^{4}+5x^{3}+7x^{2}+6x+8}{(x-1)(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)}$$

Sequence: A104184
Score: 22.1286
Type of gen. func.: revogf

$$\frac{x (x - 1)^2}{x^4 - x^3 + x^2 - x + 1}$$

Sequence: A104187
Score: 6.63683
Type of gen. func.: lgdogf

$$-\frac{(x + 1) (x^4 + 3 x^2 + 2 x - 3) (x^2 + 1)}{(x - 1) (x^2 + x + 1) (x^2 - x + 1) (x^3 + x^2 + x - 1)}$$

Sequence: A104187
Score: 6.81742
Type of gen. func.: ogf

$$-\frac{(x^2 + x + 1) (x^2 - x + 1)}{(x^3 + x^2 + x - 1) (x - 1)^2}$$

Sequence: A104188
Score: 12.6923
Type of gen. func.: ogf

$$-\frac{4 x (5 x + 3)}{(x - 1)^3}$$

Sequence: A104188
Score: 30.7407
Type of gen. func.: lgdogf

$$-\frac{2 (5 x + 7)}{(5 x + 3) (x - 1)}$$

Sequence: A104188
Score: 6.34612
Type of gen. func.: ogf

$$-(720 f(x) - 7469) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 20 x^2 - f(x) + 12 x)$$

Sequence: A104188
Score: 6.62693
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 12, a(2) = 56\}$$

Sequence: A104204
Score: 6.29440
Type of gen. func.: ogf

$$-\frac{x^{11} + x^{10} - 2 x^9 - 2 x^8 + 2 x^7 + 3 x^6 - 3 x^4 - x^3 - 2 x^2 - x - 1}{x^9 - x^6 - 2 x^3 + 1}$$

Sequence: A104205
Score: 3.96631
Type of gen. func.: ogf

$$- x (x^{18} + x^{17} + 2 x^{16} - 4 x^{15} - 3 x^{14} + 8 x^{13} + x^{12} - 3 x^{11} - 6 x^{10} + 2 x^9 + x^8 + 2 x^7 - 6 x^5 - 3 x^4 - 3 x^3 - 2 x^2 - x - 1) / ((x^4 + 1) (x^{12} - 3 x^4 + 1))$$

Sequence: A104220
Score: 9.22674
Type of gen. func.: ogf

$$-\frac{x^4 + x^2 - 1}{(x - 1) (x^2 + x + 1) (x^2 + x - 1)}$$

Sequence: A104220
Score: 9.64095
Type of gen. func.: lgdogf

$$-\frac{x^8+4x^6+4x^5-3x^4-8x^3+4x^2+1}{(x-1)(x^2+x+1)(x^2+x-1)(x^4+x^2-1)}$$

Sequence: A104221
Score: 12.0717
Type of gen. func.: ogf

$$\frac{2x^3}{(x-1)(x^2+x+1)(x^2+x-1)}$$

Sequence: A104221
Score: 13.8248
Type of gen. func.: lgdogf

$$-\frac{5x^4+4x^3-3x^2-2x-1}{(x^2+x-1)(x^2+x+1)(x-1)}$$

Sequence: A104221
Score: 6.29381
Type of gen. func.: ogf

$$-f(x)\,x^5-f(x)\,x^4+f(x)\,x^3+f(x)\,x^2+2x^3+f(x)\,x-f(x)$$

Sequence: A104237
Score: 7.21524
Type of gen. func.: ogf

$$-\frac{(x^2-x+1)(2x^4-x^3+x^2+x+1)}{\qquad{}^{2}\qquad{}^{3}\quad{}^{2}\qquad\qquad{}^{2}}$$

$$(x - 1) (x + 1) (x - x + x + 1) (x + 1)$$

Sequence: A104240
Score: 6.23882
Type of gen. func.: ogf

$$-\frac{x (7 x^4 + 137 x^3 + 360 x^2 + 137 x + 7)}{(x - 1) (x^2 - 11 x + 1) (x^4 + 11 x^3 + 120 x^2 + 11 x + 1)}$$

Sequence: A104249
Score: 14.4066
Type of gen. func.: ogf

$$-\frac{2 x^2 + 1}{(x - 1)^3}$$

Sequence: A104249
Score: 26.8536
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 4 x + 3}{(x - 1) (2 x^2 + 1)}$$

Sequence: A104249
Score: 7.33191
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 3, a(2) = 8\}$$

Sequence: A104249
Score: 7.39796
Type of gen. func.: ogf

$$(513 f(x) - 353) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x) + 1)$$

Sequence: A104268
Score: 4.01932
Type of gen. func.: ogf

$$16 f(x)^2 x^4 - 8 f(x)^2 x^3 + f(x)^2 x^2 + 32 f(x) x^3 - 44 f(x) x^2 + 17 f(x) x + 16 x^2 - 2 f(x) - 11 x + 2$$

Sequence: A104270
Score: 10.1533
Type of gen. func.: ogf

$$-\frac{4 x^2 - 3 x + 1}{(-1 + 2 x)^3}$$

Sequence: A104270
Score: 16.6574
Type of gen. func.: lgdogf

$$-\frac{8 x^2 - 4 x + 3}{(-1 + 2 x) (4 x^2 - 3 x + 1)}$$

Sequence: A104270
Score: 5.52197
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 12 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 3, a(2) = 10\}$$

Sequence: A104270
Score: 5.62058
Type of gen. func.: ogf

$$(6 f(x) - 1) (8 f(x) x^3 - 12 f(x) x^2 + 6 f(x) x + 4 x^2 - f(x) - 3 x + 1)$$

Sequence: A104344
Score: 4.44425
Type of gen. func.: ogf

$\{(-n^2 - 8 n - 16) a(n + 1) + (n^2 + 8 n + 17) a(n + 2) - a(n + 3), a(0) = 1,$

$a(1) = 5, a(2) = 41\}$

Sequence: A104356
Score: 10.5022
Type of gen. func.: lgdogf

$$\frac{64 x^5 + 20 x^4 - 20 x^3 - 15 x^2 + 5}{(-1 + 2 x) (8 x^5 + 10 x^4 + 5 x^3 - 3 x - 1)}$$

Sequence: A104356
Score: 11.4034
Type of gen. func.: ogf

$$\frac{8 x^5 + 10 x^4 + 5 x^3 - 3 x - 1}{-1 + 2 x}$$

Sequence: A104385
Score: 4.90131
Type of gen. func.: ogf

$$-\frac{x^2 (x^6 - 3 x^5 + 3 x^4 - 2 x^3 + 3 x^2 + 1)}{(x^2 + 1) (x^2 + x + 1) (x - 1)^5}$$

Sequence: A104385
Score: 5.59282
Type of gen. func.: lgdogf

$$- (3 x^{10} - 8 x^9 + 8 x^8 - 10 x^7 + 17 x^6 + 8 x^5 + 23 x^4 + 20 x^3 + 17 x^2 + 8 x + 4) / ((x - 1) (x^2 + 1) (x^2 + x + 1) (x^6 - 3 x^5 + 3 x^4 - 2 x^3 + 3 x^2 + 1))$$

Sequence: A104403
Score: 6.11324
Type of gen. func.: ogf

$$-\frac{x(64x^6-64x^5+16x^4+15x^3+15x^2+11x+3)}{(16x-1)(x+1)(x^2+1)(x-1)^2}$$

Sequence: A104406
Score: 5.94809
Type of gen. func.: ogf

$$-(x^4+x^3+x^2+x+1)(x^{35}-x^{33}+x^{32}-x^{28}+x^{27}+x^{26}-x^{24}+x^{22}-x^{19}$$

$$+x^{17}-x^{14}+x^{12}-x^9+x^8+x^7-x^6+x^5-x^4+x^2-x+1)/(x-1)$$

Sequence: A104408
Score: 12.7869
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^5+x^3-x}{-x^8-x^7+x+1}$$

Sequence: A104409
Score: 18.5060
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^3}{x^8+x^7-x-1}$$

Sequence: A104410
Score: 10.6655
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^6+x^4+x^3+x^2-1}{}$$

$$x^8 + x^7 - x - 1$$

Sequence: A104449
Score: 17.9922
Type of gen. func.: ogf

$$\frac{2 x - 3}{x^2 + x - 1}$$

Sequence: A104449
Score: 21.4863
Type of gen. func.: revogf

$$\frac{-3 - x + (5 x^2 - 2 x + 9)^{1/2}}{2 (x - 2)}$$

Sequence: A104449
Score: 23.3821
Type of gen. func.: lgdogf

$$- \frac{2 x^2 - 6 x - 1}{(2 x - 3) (x^2 + x - 1)}$$

Sequence: A104449
Score: 9.20054
Type of gen. func.: ogf

$$(51 f(x) - 152) (f(x) x^2 + f(x) x - f(x) - 2 x + 3)$$

Sequence: A104449
Score: 9.87374
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 3, a(1) = 1\}$$

Sequence: A104454
Score: 11.6509
Type of gen. func.: ogf

$$45 f(x)^2 x^2 - 14 f(x)^2 x + f(x)^2 - 1$$

Sequence: A104454
Score: 28.6516
Type of gen. func.: lgdogf

$$- \frac{-7 + 45 x}{(9 x - 1) (5 x - 1)}$$

Sequence: A104454
Score: 4.88584
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 3) + (35 + 14 n) a(n + 2) + (-90 - 45 n) a(n + 1), a(0) = 1,$$

$$a(1) = 7, a(2) = 51\}$$

Sequence: A104454
Score: 7.16289
Type of gen. func.: revogf

$$x (x^4 + 3 x^2 + 1) (5 x^4 + 5 x^2 + 1) / (2 x^{10} + 35 x^9 + 25 x^8 + 140 x^7 + 50 x^6$$

$$+ 147 x^5 + 35 x^4 + 56 x^3 + 10 x^2 + 7 x + 1)$$

Sequence: A104455
Score: 10.9525
Type of gen. func.: ogf

$$-3 f(x)^2 x^2 + f(x)^2 x + 3 f(x) x - f(x) + 1$$

Sequence: A104455
Score: 37.7487
Type of gen. func.: revogf

$$\frac{x (x - 1)}{3 x^2 - 3 x - 1}$$

Sequence: A104455
Score: 5.44095
Type of gen. func.: ogf

{(-21 n - 42) a(n + 1) + (10 n + 28) a(n + 2) + (-n - 4) a(n + 3), a(0) = 1,

a(1) = 4, a(2) = 17}

Sequence: A104459
Score: 14.8972
Type of gen. func.: ogf

$$\frac{9 x^3 - 2 x - 1}{10 x^2 - 1}$$

Sequence: A104459
Score: 15.9060
Type of gen. func.: lgdogf

$$\frac{90 x^4 - 7 x^2 + 20 x + 2}{(10 x^2 - 1) (9 x^3 - 2 x - 1)}$$

Sequence: A104459
Score: 7.52384
Type of gen. func.: ogf

{-a(n + 4) + 10 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 10, a(3) = 11}

Sequence: A104459
Score: 9.31074
Type of gen. func.: ogf

2   3

$$(947 f(x) + 288) (10 f(x) x - 9 x - f(x) + 2 x + 1)$$

Sequence: A104468
Score: 8.84286
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{5} + x}{x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1}$$

Sequence: A104470
Score: 3.06230
Type of gen. func.: ogf

$$\{(n + 4) a(n + 1) + (n + 4) a(n + 2) + (n + 4) a(n + 3) - a(n + 4), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 9\}$$

Sequence: A104473
Score: 21.3321
Type of gen. func.: lgdogf

$$-\frac{3 x^{2} - 14 x + 21}{(x - 1) (x^{2} - 4 x + 5)}$$

Sequence: A104473
Score: 3.60738
Type of gen. func.: ogf

$$\{(-5 n - 20) a(n + 4) + (48 + 9 n) a(n + 3) + (-24 - 5 n) a(n + 2) + (n + 4) a(n + 1), a(0) = 15, a(1) = 63, a(2) = 168, a(3) = 360\}$$

Sequence: A104473
Score: 9.12979
Type of gen. func.: ogf

$$-\frac{3 (x^{2} - 4 x + 5)}{5}$$

$(x - 1)$

Sequence: A104474
Score: 14.0190
Type of gen. func.: lgdogf

$$-\frac{4(x^3 - 8x^2 + 28x - 56)}{(x - 1)(x^3 - 7x^2 + 21x - 35)}$$

Sequence: A104474
Score: 5.55871
Type of gen. func.: ogf

$$\{(n^2 + 14n + 45)a(n + 1) + (-n^2 - 8n - 12)a(n + 2), a(0) = 35, a(1) = 224\}$$

Sequence: A104474
Score: 6.54578
Type of gen. func.: ogf

$$\frac{x^3 - 7x^2 + 21x - 35}{(x - 1)^7}$$

Sequence: A104475
Score: 6.36536
Type of gen. func.: ogf

$$\{(-2 - n)a(n + 2) + (10 + n)a(n + 1), a(0) = 70, a(1) = 630\}$$

Sequence: A104475
Score: 7.01489
Type of gen. func.: ogf

$$-\frac{70}{(x - 1)^9}$$

Sequence: A104475
Score: 84.3033
Type of gen. func.: lgdogf

$$- \frac{9}{x - 1}$$

Sequence: A104476
Score: 13.5530
Type of gen. func.: lgdogf

$$- \frac{12 (5 x^3 + 24 x^2 + 28 x + 8)}{(x - 1) (x + 1) (5 x^2 + 16 x + 5)}$$

Sequence: A104476
Score: 5.55908
Type of gen. func.: ogf

$$\{(-n^2 - 22 n - 117) a(n + 1) + (n^2 + 8 n + 12) a(n + 2), a(0) = 330,$$

$$a(1) = 6336\}$$

Sequence: A104487
Score: 11.6237
Type of gen. func.: ogf

$$\frac{-1 + 2 x}{(3 x - 1) (x^2 - 3 x + 1)}$$

Sequence: A104487
Score: 12.0550
Type of gen. func.: lgdogf

$$- \frac{(3 x - 2) (4 x^2 - 7 x + 2)}{(3 x - 1) (-1 + 2 x) (x^2 - 3 x + 1)}$$

Sequence: A104487
Score: 5.50598
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 10 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 4, a(2) = 14\}$$

Sequence: A104487
Score: 5.75854
Type of gen. func.: ogf

$$-(61 f(x) + 3) (3 f(x) x^3 - 10 f(x) x^2 + 6 f(x) x - f(x) - 2 x + 1)$$

Sequence: A104488
Score: 4.78868
Type of gen. func.: ogf

$$\frac{x^7 (x^{16} - x^8 - 1) (x^{40} + x^{32} + 2 x^{24} + 3 x^{16} + x^8 + 1)}{x^{56} + 4 x^{32} - x^{24} - x^{16} - x^8 - 1}$$

Sequence: A104496
Score: 6.22276
Type of gen. func.: ogf

$$f(x)^2 x^3 + 2 f(x)^2 x^2 + f(x)^2 x + 2 f(x) x^2 + 3 f(x) x - 4 x^2 + f(x) - 4 x - 1$$

Sequence: A104497
Score: 13.1842
Type of gen. func.: ogf

$$-4 f(x)^2 x + f(x)^2 + 8 x - 1$$

Sequence: A104497
Score: 34.9288
Type of gen. func.: lgdogf

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                2
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$$(8x - 1)(4x - 1)$$

Sequence: A104497
Score: 5.16822
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) + (-10 - 12 n) a(n + 1) + 32 n a(n), a(0) = 1, a(1) = -2\}$$

Sequence: A104498
Score: 26.6098
Type of gen. func.: revogf

$$\frac{x (x - 1)}{4 x^2 - 4 x - 1}$$

Sequence: A104498
Score: 5.01048
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) + (-10 - 12 n) a(n + 1) + 32 n a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A104498
Score: 5.82882
Type of gen. func.: lgdogf

$$- \frac{8 (8 x - 1)^{1/2} (4 x - 1)^{1/2} x - (8 x - 1)^{1/2} (4 x - 1)^{1/2} - 1 + 4 x}{2 (4 x - 1)^{3/2} x (8 x - 1)^{1/2}}$$

Sequence: A104498
Score: 8.51095
Type of gen. func.: ogf

$$4 f(x)^2 x - f(x)^2 - 4 f(x) x + f(x) - x$$

Sequence: A104502
Score: 8.94783

Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}{x^9 - 1}$$

Sequence: A104506
Score: 13.1300
Type of gen. func.: lgdogf

$$\frac{-10 x^2 + 3 x - 1 + (5 x^2 - 2 x + 1)^{1/2}}{(5 x^2 - 2 x + 1) x}$$

Sequence: A104506
Score: 3.51159
Type of gen. func.: ogf

$$\{(-5 n^2 - 25 n - 30) a(n + 1) + (2 n^2 + 11 n + 15) a(n + 2)$$
$$+ (-n^2 - 6 n - 8) a(n + 3), a(0) = 0, a(1) = -1, a(2) = -2\}$$

Sequence: A104506
Score: 5.50046
Type of gen. func.: ogf

$$5 f(x)^2 x^3 - 2 f(x)^2 x^2 + f(x)^2 x + 5 f(x) x^2 - 2 f(x) x + f(x) + x$$

Sequence: A104507
Score: 6.38283
Type of gen. func.: ogf

$$5 f(x)^2 x^3 - 7 f(x)^2 x^2 + 3 f(x)^2 x + 5 f(x) x^2 - f(x)^2 - 2 f(x) x + f(x) - x$$

Sequence: A104522
Score: 3.87875
Type of gen. func.: ogf

$\{(-9 - 3 n) a(n + 1) + a(n + 2) n + (3 n + 7) a(n + 3) + (-2 - n) a(n + 4),$

$a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 19\}$

Sequence: A104522
Score: 5.19918
Type of gen. func.: ogf

$(211 f(x) + 206)$

$(3 f(x) x^{4} - 4 f(x) x^{3} - 2 f(x) x^{2} + x^{3} + 4 f(x) x - 3 x^{2} - f(x) - x + 1)$

Sequence: A104522
Score: 9.24666
Type of gen. func.: lgdogf

$$- \frac{3 x^{5} - 15 x^{4} - 10 x^{3} + 2 x^{2} + 7 x - 3}{(x - 1) (3 x - 1) (x + 1) (x^{3} - 3 x^{2} - x + 1)}$$

Sequence: A104522
Score: 9.52057
Type of gen. func.: ogf

$$- \frac{x^{3} - 3 x^{2} - x + 1}{(x + 1) (3 x - 1) (x - 1)^{2}}$$

Sequence: A104530
Score: 10.9616
Type of gen. func.: ogf

$$-16 f(x)^{2} x + 3 f(x)^{2} + 8 f(x) x - 3 f(x) - x$$

Sequence: A104530
Score: 3.65386
Type of gen. func.: ogf

2   2

$$\{(512 n + 256 n) a(n) + (-288 n - 528 n - 192) a(n + 1)$$

$$+ (52 n^2 + 170 n + 132) a(n + 2) + (-3 n^2 - 15 n - 18) a(n + 3), a(0) = 1,$$

$$a(1) = 3, a(2) = 15\}$$

Sequence: A104531
Score: 3.29016
Type of gen. func.: ogf

$$\{(1000 n^2 + 500 n) a(n) + (-510 n^2 - 930 n - 300) a(n + 1)$$

$$+ (81 n^2 + 261 n + 198) a(n + 2) + (-4 n^2 - 20 n - 24) a(n + 3), a(0) = 1,$$

$$a(1) = 4, a(2) = 24\}$$

Sequence: A104531
Score: 9.78274
Type of gen. func.: ogf

$$-25 f(x)^2 x + 4 f(x)^2 + 10 f(x) x - 4 f(x) - x$$

Sequence: A104532
Score: 10.4516
Type of gen. func.: ogf

$$-36 f(x)^2 x + 5 f(x)^2 + 12 f(x) x - 5 f(x) - x$$

Sequence: A104532
Score: 3.48388
Type of gen. func.: ogf

$$\{(-1728 n^2 - 864 n) a(n) + (816 n^2 + 1488 n + 432) a(n + 1)$$

$$+ (-116 n^2 - 370 n - 276) a(n + 2) + (5 n^2 + 25 n + 30) a(n + 3), a(0) = 1,$$

$$a(1) = 5, a(2) = 35\}$$

Sequence: A104533
Score: 31.1269

Type of gen. func.: lgdegf]

$$2 + (-4 x^2 + 4 x - 1) f(x)$$

Sequence: A104533
Score: 5.63935
Type of gen. func.: ogf

$$\{(4 n^2 + 4 n) a(n) + (-4 n - 6) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A104537
Score: 12.2023
Type of gen. func.: ogf

$$4 f(x) x^2 + 2 f(x) x + f(x) - x - 1$$

Sequence: A104537
Score: 17.0832
Type of gen. func.: ogf

$$\frac{x + 1}{4 x^2 + 2 x + 1}$$

Sequence: A104537
Score: 24.4771
Type of gen. func.: lgdogf

$$- \frac{4 x^2 + 8 x + 1}{(x + 1) (4 x^2 + 2 x + 1)}$$

Sequence: A104537
Score: 9.37495
Type of gen. func.: ogf

$$\{-a(n + 2) - 2 a(n + 1) - 4 a(n), a(0) = 1, a(1) = -1\}$$

Sequence: A104538
Score: 12.8501
Type of gen. func.: ogf

$$4 f(x) x^2 + 2 f(x) x + f(x) - 2 x - 1$$

Sequence: A104538
Score: 17.9902
Type of gen. func.: ogf

$$\frac{2 x + 1}{4 x^2 + 2 x + 1}$$

Sequence: A104538
Score: 18.6452
Type of gen. func.: revogf

$$- \frac{-1 + 2 x + (-(1 + 6 x) (-1 + 2 x))^{1/2}}{4 (-1 + 2 x)}$$

Sequence: A104538
Score: 27.9678
Type of gen. func.: lgdogf

$$- \frac{8 (x + 1) x}{(2 x + 1) (4 x^2 + 2 x + 1)}$$

Sequence: A104538
Score: 9.99454
Type of gen. func.: ogf

$$\{-a(n + 2) - 2 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 0\}$$

Sequence: A104545
Score: 11.2286
Type of gen. func.: ogf

$$-f(x)^2 x^3 - f(x)^2 x^2 + f(x) - x - 1$$

Sequence: A104545
Score: 14.4514
Type of gen. func.: revogf

$$\frac{-1 - x^2 + ((x^2 + 1) (x^2 + 4 x + 1))^{1/2}}{2 (x^2 + 1)}$$

Sequence: A104547
Score: 12.5253
Type of gen. func.: revogf

$$- \frac{-1 - 2 x + x^2 + (x^4 + 4 x^3 - 2 x^2 + 1)^{1/2}}{2 (2 x + 1)}$$

Sequence: A104547
Score: 6.58082
Type of gen. func.: ogf

$$f(x)^2 x^2 - f(x)^2 x + 2 f(x) x^2 - 2 f(x) x + f(x) + x - 1$$

Sequence: A104550
Score: 4.88512
Type of gen. func.: ogf

$\{n a(n) + (-7 n - 6) a(n + 1) + (7 n + 22) a(n + 2) + (-n - 4) a(n + 3),$

$a(0) = 1, a(1) = 4, a(2) = 20\}$

Sequence: A104550
Score: 5.80748
Type of gen. func.: ogf

$$f(x)^2 x^3 - 6 f(x)^2 x^2 - f(x) x^3 + f(x)^2 x + 7 f(x) x^2 - 7 f(x) x - x^2 + f(x)$$

$+ 2 x - 1$

Sequence: A104551
Score: 19.1159
Type of gen. func.: lgdogf

$$-\frac{8 x^2 - 4 x + 1}{(x - 1) (4 x^2 + 1)}$$

Sequence: A104551
Score: 8.08745
Type of gen. func.: ogf

$$4 f(x)^2 x^4 - 8 f(x)^2 x^3 + 5 f(x)^2 x^2 - 2 f(x)^2 x + f(x)^2 - x^2$$

Sequence: A104554
Score: 15.9594
Type of gen. func.: ogf

$$\frac{x (x - 1)}{x^4 - 2 x^3 + x - 1}$$

Sequence: A104554
Score: 25.4712
Type of gen. func.: lgdogf

$$-\frac{x^2 (3 x^2 - 8 x + 6)}{(x - 1) (x^4 - 2 x^3 + x - 1)}$$

Sequence: A104554
Score: 7.51807
Type of gen. func.: ogf

$\{-a(n + 4) + a(n + 3) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 0,$

$a(3) = 0\}$

Sequence: A104554
Score: 8.50174
Type of gen. func.: ogf

$$(8 f(x) + 1) (f(x) x^4 - 2 f(x) x^3 + f(x) x - x^2 - f(x) + x)$$

Sequence: A104555
Score: 17.5655
Type of gen. func.: ogf_with_Euler_transform]

$$3 x^5 - 3 x^2 - 3 x + 2$$

Sequence: A104555
Score: 23.6679
Type of gen. func.: lgdogf

$$- \frac{5 x^2 - 8 x + 2}{(x - 1) (x^2 - x + 1)}$$

Sequence: A104555
Score: 7.19001
Type of gen. func.: ogf

$$- \frac{x (x - 1)}{(x^2 - x + 1)^3}$$

Sequence: A104563
Score: 10.3412
Type of gen. func.: ogf

$$- \frac{x (x + 1) (x^2 - x + 1)}{(x^2 + 1) (x - 1)^3}$$

Sequence: A104563
Score: 13.5112
Type of gen. func.: lgdogf

$$-\frac{2x^5+x^4+8x^2-2x+3}{(x-1)(x+1)(x^2+1)(x^2-x+1)}$$

Sequence: A104563
Score: 18.3197
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5+x^3+x^2-x+3$$

Sequence: A104565
Score: 12.4555
Type of gen. func.: ogf

$$f(x)^2 x^2 + 2 f(x) x + f(x) - 1$$

Sequence: A104565
Score: 16.8713
Type of gen. func.: lgdogf

$$-\frac{(8x^2+4x+1)^{1/2}-1}{(8x^2+4x+1)^{1/2}\, x}$$

Sequence: A104565
Score: 4.83470
Type of gen. func.: ogf

$\{(8 n + 16) a(n + 1) + (4 n + 14) a(n + 2) + (5 + n) a(n + 3), a(0) = 1,$

$a(1) = -2, a(2) = 3\}$

Sequence: A104565
Score: 51.7388
Type of gen. func.: revogf

$$-\frac{x}{x^2+2x-1}$$

Sequence: A104581
Score: 22.3149
Type of gen. func.: ogf

$$\frac{1}{(x^2-x+1)(x+1)^2}$$

Sequence: A104581
Score: 27.6424
Type of gen. func.: ogf_with_Euler_transform]

$$x^5-x^2+x-1$$

Sequence: A104581
Score: 38.1212
Type of gen. func.: lgdogf

$$-\frac{4x^2-x+1}{(x+1)(x^2-x+1)}$$

Sequence: A104581
Score: 7.37830
Type of gen. func.: ogf

{-a(n + 4) - a(n + 3) - a(n + 1) - a(n), a(0) = 1, a(1) = -1, a(2) = 1,

a(3) = -2}

Sequence: A104581
Score: 9.63062
Type of gen. func.: ogf

4   3

$$-f(x) (f(x) x + f(x) x + f(x) x + f(x) - 1)$$

Sequence: A104584
Score: 10.1667
Type of gen. func.: lgdogf

$$-\frac{4 x^4 + 11 x^3 + 33 x^2 + 17 x + 7}{(x - 1) (x + 1) (2 x^3 + 3 x^2 + 6 x + 1)}$$

Sequence: A104584
Score: 7.09334
Type of gen. func.: ogf

$$-\frac{x (2 x^3 + 3 x^2 + 6 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A104585
Score: 13.7573
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 19 x^3 + 21 x^2 + 25 x + 5}{(x - 1) (x + 1) (x^3 + 6 x^2 + 3 x + 2)}$$

Sequence: A104585
Score: 9.40643
Type of gen. func.: ogf

$$-\frac{x (x^3 + 6 x^2 + 3 x + 2)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A104588
Score: 9.05489
Type of gen. func.: ogf

$$-\frac{60 x^{32} + 15 x^{27} - 33 x^{24} - 8 x^{8} - 2 x^{3} - 2}{(x - 1) (15 x^{24} - 2)}$$

Sequence: A104598
Score: 7.09103
Type of gen. func.: lgdogf

$$20 - 208 x - 64 x^{2} + (-64 x^{3} - 144 x^{2} + 48 x - 2) f(x)$$
$$+ (-16 x^{4} - 24 x^{3} + 15 x^{2} - 2 x) f(x)^{2}$$

Sequence: A104621
Score: 6.23461
Type of gen. func.: ogf

$$\frac{x^{6} + 2 x^{5} + 3 x^{4} + 4 x^{3} + 5 x^{2} + 6 x - 7}{x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x - 1}$$

Sequence: A104624
Score: 17.2998
Type of gen. func.: ogf

$$-1 + 4 f(x) x + f(x)^{2}$$

Sequence: A104624
Score: 60.5059
Type of gen. func.: revogf

$$\frac{x}{(1 - 4 x)^{1/2}}$$

Sequence: A104624
Score: 7.20826
Type of gen. func.: ogf

$$\{4 a(n + 1) n + (n + 3) a(n + 3), a(0) = 1, a(1) = -2, a(2) = 2\}$$

Sequence: A104625
Score: 8.22602
Type of gen. func.: ogf

$$-f(x)^{2} x^{4} - 4 f(x)^{2} x - 2 f(x) x^{2} + f(x)^{2} - 1$$

Sequence: A104626
Score: 6.69985
Type of gen. func.: lgdogf

$$\frac{4 x^{7} - 30 x^{6} + 80 x^{5} - 80 x^{4} + 2 x^{3} + 48 x^{2} - 28 x + 5}{(x - 1) (x^{2} - 3 x + 1) (2 x^{5} - 6 x^{4} - 2 x^{2} + 11 x - 4)}$$

Sequence: A104626
Score: 8.24506
Type of gen. func.: ogf

$$\frac{2 x^{5} - 6 x^{4} - 2 x^{2} + 11 x - 4}{(x - 1) (x^{2} - 3 x + 1)}$$

Sequence: A104629
Score: 4.10250
Type of gen. func.: ogf

$$\{(4 n + 18) a(n + 1) + (7 n + 30) a(n + 2) + (-2 n - 12) a(n + 3), a(0) = 1,$$
$$a(1) = 2, a(2) = 6\}$$

Sequence: A104629
Score: 6.60717
Type of gen. func.: ogf

$$-f(x)^{2} x^{4} - 2 f(x)^{2} x^{3} - 2 f(x) x^{2} - 2 f(x) x + f(x) - 1$$

Sequence: A104630
Score: 13.4978
Type of gen. func.: ogf

$$\frac{x}{x^4 - 5 x^3 + 7 x^2 - 5 x + 1}$$

Sequence: A104630
Score: 13.8643
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 15 x^2 + 14 x - 5}{x^4 - 5 x^3 + 7 x^2 - 5 x + 1}$$

Sequence: A104630
Score: 5.33382
Type of gen. func.: ogf

$$-(655 f(x) + 61) (f(x) x^4 - 5 f(x) x^3 + 7 f(x) x^2 - 5 f(x) x + f(x) - x)$$

Sequence: A104632
Score: 20.0935
Type of gen. func.: revogf

$$\frac{x (x + 1)}{x^4 + 2 x^3 + 4 x^2 + 3 x + 1}$$

Sequence: A104643
Score: 42.6078
Type of gen. func.: revegf]

$$(1 + 26 x)^{(1/26)} - 1$$

Sequence: A104643
Score: 51.7380

Type of gen. func.: lgdegf]

$$-25 + (x + 1) f(x)$$

Sequence: A104643
Score: 8.17900
Type of gen. func.: ogf

$$\{(-n + 24) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 25\}$$

Sequence: A104651
Score: 6.92238
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + 174 x^3 + 16415 x^2 + 174 x + 1)}{(x^2 - 27 x + 1) (x^4 + 27 x^3 + 728 x^2 + 27 x + 1)}$$

Sequence: A104652
Score: 5.44660
Type of gen. func.: ogf

$$\frac{8 x (4 x^4 + 381 x^3 + 455 x^2 + 381 x + 4)}{(x - 1) (x^6 + 19602 x^3 - 1)}$$

Sequence: A104653
Score: 13.5354
Type of gen. func.: revegf]

$$- \frac{-2 - 4 x + ((2 x + 1) (x + 2)^2)^{1/2}}{2 x + 1}$$

Sequence: A104653
Score: 6.9583
Type of gen. func.: egf]

$$-2 f(x) x^2 + f(x)^2 + 8 f(x) x - x^2 - 4 f(x) + 4 x$$

Sequence: A104653
Score: 9.73598
Type of gen. func.: lgdegf]

$$\frac{2 (x^2 - 4 x + 1)^{1/2} - 2 - 4 x + x^2}{(x^2 - 4 x + 1)^{1/2} x (x - 4)}$$

Sequence: A104661
Score: 10.0502
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 2, a(1) = 3\}$$

Sequence: A104661
Score: 18.3138
Type of gen. func.: ogf

$$-\frac{x - 2}{(x - 1)^2}$$

Sequence: A104661
Score: 9.69553
Type of gen. func.: ogf

$$(2 f(x) + 5) (f(x) x^2 - 2 f(x) x + f(x) + x - 2)$$

Sequence: A104670
Score: 15.5167
Type of gen. func.: lgdogf

$$-\frac{24 (7 x^2 + 7 x + 1)}{(x - 1) (21 x^2 + 14 x + 1)}$$

Sequence: A104670
Score: 4.61213
Type of gen. func.: ogf

$$\frac{21 x^2 + 14 x + 1}{(x - 1)^{10}}$$

Sequence: A104671
Score: 4.52185
Type of gen. func.: ogf

$$\frac{56 x^3 + 84 x^2 + 24 x + 1}{(x - 1)^{12}}$$

Sequence: A104671
Score: 6.06589
Type of gen. func.: ogf

$$\{(n^2 + 15 n + 50) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 36\}$$

Sequence: A104673
Score: 5.86311
Type of gen. func.: ogf

$$\{(n^2 + 19 n + 84) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 66\}$$

Sequence: A104675
Score: 15.4938
Type of gen. func.: ogf

$$\frac{2 (2 x - 3)}{(x - 1)^3}$$

Sequence: A104675
Score: 21.2322

Type of gen. func.: lgdogf

$$-\frac{-7 + 4 x}{(x - 1) (2 x - 3)}$$

Sequence: A104675
Score: 7.20328
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 6, a(1) = 14, a(2) = 24\}$$

Sequence: A104675
Score: 7.67452
Type of gen. func.: ogf

$$(61 f(x) - 1086) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) - 4 x + 6)$$

Sequence: A104676
Score: 10.2840
Type of gen. func.: ogf

$$-\frac{3 (2 x^2 - 7 x + 7)}{(x - 1)^5}$$

Sequence: A104676
Score: 4.04373
Type of gen. func.: ogf

$$\{(7 n + 28) a(n + 4) + (-70 - 14 n) a(n + 3) + (42 + 9 n) a(n + 2)$$

$$+ (-8 - 2 n) a(n + 1), a(0) = 21, a(1) = 84, a(2) = 216, a(3) = 450\}$$

Sequence: A104677
Score: 6.21389
Type of gen. func.: ogf

$$\{(n^2 + 15 n + 50) a(n + 1) + (-n^2 - 9 n - 14) a(n + 2), a(0) = 56, a(1) = 336\}$$

Sequence: A104677
Score: 7.24954
Type of gen. func.: ogf

$$\frac{4\,(x^3 - 6\,x^2 + 14\,x - 14)}{(x - 1)^7}$$

Sequence: A104678
Score: 5.48505
Type of gen. func.: ogf

$$-\frac{x^4 - 9\,x^3 + 36\,x^2 - 84\,x + 126}{(x - 1)^9}$$

Sequence: A104678
Score: 5.87072
Type of gen. func.: ogf

$$\{(n^2 + 17\,n + 66)\,a(n + 1) + (-n^2 - 9\,n - 14)\,a(n + 2),\ a(0) = 126,\ a(1) = 1050\}$$

Sequence: A104679
Score: 5.99999
Type of gen. func.: ogf

$$-\frac{252}{(x - 1)^{11}}$$

Sequence: A104679
Score: 6.81817
Type of gen. func.: ogf

$$\{(-n - 2)\,a(n + 2) + (12 + n)\,a(n + 1),\ a(0) = 252,\ a(1) = 2772\}$$

Sequence: A104680
Score: 3.36168
Type of gen. func.: ogf

$$\{(3 n + 12) a(n + 4) + (-40 + 4 n) a(n + 3) + (-112 - 4 n) a(n + 2) + (-42 - 3 n) a(n + 1), a(0) = 792, a(1) = 13728, a(2) = 123552, a(3) = 772200\}$$

Sequence: A104681
Score: 8.13470
Type of gen. func.: ogf

$$\frac{2 x^{13} - 2 x^{12} + x^{9} + x^{8} - 6 x^{7} + 6 x^{6} + 9 x^{5} + 9 x^{4} + 2 x^{3} + 2 x^{2} + x - 1}{(x - 1)^{2} (x + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2}}$$

Sequence: A104683
Score: 10.9362
Type of gen. func.: ogf

$$\frac{x^{3} - x^{2} + x + 1}{(x^{2} + 2 x - 1) (x^{2} - 2 x - 1)}$$

Sequence: A104683
Score: 6.52156
Type of gen. func.: ogf

$$-(166 f(x) + 137) (f(x) x^{4} - 6 f(x) x^{2} - x^{3} + x^{2} + f(x) - x - 1)$$

Sequence: A104683
Score: 9.17429
Type of gen. func.: lgdogf

$$- \frac{x^{6} - 2 x^{5} + 9 x^{4} + 4 x^{3} - 9 x^{2} - 10 x - 1}{(x^{2} + 2 x - 1) (x^{2} - 2 x - 1) (x^{3} - x^{2} + x + 1)}$$

Sequence: A104686
Score: 7.77594
Type of gen. func.: ogf

$$-\frac{x\,(x^6+3\,x^5+3\,x^3+3\,x+1)}{(x-1)\,(x^2+1)\,(x^2+x+1)\,(x^4-x^2+1)}$$

Sequence: A104720
Score: 12.0042
Type of gen. func.: ogf

$$-\frac{1}{(x+1)\,(10\,x-1)\,(x-1)^2}$$

Sequence: A104720
Score: 16.1169
Type of gen. func.: lgdogf

$$-\frac{40\,x^2+7\,x-11}{(x-1)\,(10\,x-1)\,(x+1)}$$

Sequence: A104720
Score: 3.03020
Type of gen. func.: ogf

$$\{(-n-4)\,a(n+4)+(41+10\,n)\,a(n+3)+(-5+n)\,a(n+2)$$
$$+(-50-10\,n)\,a(n+1),\ a(0)=1,\ a(1)=11,\ a(2)=112,\ a(3)=1122\}$$

Sequence: A104720
Score: 6.55962
Type of gen. func.: ogf

$$(4030201\,f(x)-824000)$$
$$(10\,f(x)\,x^4-11\,f(x)\,x^3-9\,f(x)\,x^2+11\,f(x)\,x-f(x)+1)$$

Sequence: A104721
Score: 14.2873
Type of gen. func.: ogf

$$-\frac{(x+1)^2}{(2x-1)(2x+1)}$$

Sequence: A104721
Score: 21.4443
Type of gen. func.: lgdogf

$$-\frac{2(1+4x)}{(2x+1)(2x-1)(x+1)}$$

Sequence: A104721
Score: 8.33427
Type of gen. func.: ogf

$$\{-a(n+3)+4a(n+1), a(0)=1, a(1)=2, a(2)=5\}$$

Sequence: A104721
Score: 8.86176
Type of gen. func.: ogf

$$(205 f(x) - 141)(4 f(x) x^2 + x^2 - f(x) + 2x + 1)$$

Sequence: A104722
Score: 5.04305
Type of gen. func.: ogf

$$-f(x)^2 x^4 - 2 f(x) x^4 - 4 f(x) x^3 - x^4 - f(x) x^2 - 4 x^3 + 2 f(x) x - 6 x^2$$
$$+ f(x) - 4x - 1$$

Sequence: A104722
Score: 5.44413
Type of gen. func.: lgdogf

2 2

$$(12 n + 80 n + 132) a(n + 1) + (12 n + 80 n + 128) a(n + 2)$$

$$+ (-3 n^{2} - 23 n - 44) a(n + 3) + (-3 n^{2} - 23 n - 40) a(n + 4), a(0) = 2,$$

$$a(1) = 2, a(2) = 2, a(3) = 10$$

Sequence: A104740
Score: 4.63790
Type of gen. func.: ogf

$$\frac{(3 x + 1) (x^{26} - x^{24} + x^{22} + x^{16} + x^{12} - 1)}{x^{26} - x^{24} + x^{22} + x^{16} + x^{12} + x^{8} + x^{2} - 1}$$

Sequence: A104743
Score: 10.5755
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x - 1)}{(3 x - 1) (x - 1)^{2}}$$

Sequence: A104743
Score: 12.3936
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^{3} + 6 x^{2} - 7 x + 2)}{(x - 1) (3 x - 1) (2 x - 1) (x + 1)}$$

Sequence: A104743
Score: 5.70888
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 7 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 4, a(2) = 11\}$$

Sequence: A104743
Score: 5.81174
Type of gen. func.: ogf

3 2 2

$$(4 f(x) - 7) (3 f(x) x - 7 f(x) x + 5 f(x) x - 2 x - f(x) - x + 1)$$

Sequence: A104745
Score: 11.6975
Type of gen. func.: lgdogf

$$- \frac{2 (10 x^3 + 15 x^2 - 12 x + 3)}{(x - 1) (5 x - 1) (4 x^2 + x - 1)}$$

Sequence: A104745
Score: 5.1171
Type of gen. func.: ogf

$$(10672 f(x) + 3953) (5 f(x) x^3 - 11 f(x) x^2 + 7 f(x) x - 4 x^2 - f(x) - x + 1)$$

Sequence: A104745
Score: 5.34154
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 11 a(n + 1) - 5 a(n), a(0) = 1, a(1) = 6, a(2) = 27\}$$

Sequence: A104745
Score: 9.82153
Type of gen. func.: ogf

$$\frac{4 x^2 + x - 1}{(5 x - 1) (x - 1)^2}$$

Sequence: A104747
Score: 7.99728
Type of gen. func.: ogf

$$- \frac{3 x^2 - 3 x + 1}{(2 x - 1)^2 (x - 1)^3}$$

Sequence: A104767
Score: 14.6884
Type of gen. func.: ogf

$$-\frac{x(x^2+1)}{2x^3-2x^2+2x-1}$$

Sequence: A104767
Score: 17.9571
Type of gen. func.: lgdogf

$$-\frac{2(x^4+2x^2-x+1)}{(x^2+1)(2x^3-2x^2+2x-1)}$$

Sequence: A104767
Score: 6.39113
Type of gen. func.: ogf

{-a(n + 4) + 2 a(n + 3) - 2 a(n + 2) + 2 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 2,

a(3) = 3}

Sequence: A104767
Score: 8.45695
Type of gen. func.: ogf

$$f(x)(2f(x)x^3-2f(x)x^2+x^3+2f(x)x-f(x)+x)$$

Sequence: A104769
Score: 13.1687
Type of gen. func.: ogf

$$-f(x)x^3+f(x)x+f(x)+x$$

Sequence: A104769

Score: 20.9988
Type of gen. func.: ogf

$$\frac{x}{x^3 - x - 1}$$

Sequence: A104769
Score: 40.7350
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 1}{x^3 - x - 1}$$

Sequence: A104769
Score: 8.35434
Type of gen. func.: ogf

{a(n + 3) + a(n + 2) - a(n), a(0) = 0, a(1) = -1, a(2) = 1}

Sequence: A104770
Score: 16.7791
Type of gen. func.: ogf

$$-\frac{x^2 + 1}{x^3 - x - 1}$$

Sequence: A104770
Score: 25.2207
Type of gen. func.: lgdogf

$$-\frac{x^4 + 4 x^2 + 2 x - 1}{(x^2 + 1) (x^3 - x - 1)}$$

Sequence: A104770
Score: 8.74653

Type of gen. func.: ogf

$$\{-a(n+3) - a(n+2) + a(n), a(0) = 1, a(1) = -1, a(2) = 2\}$$

Sequence: A104770
Score: 9.13528
Type of gen. func.: ogf

$$(7 f(x) - 22) (f(x) x^3 - f(x) x + x^2 - f(x) + 1)$$

Sequence: A104771
Score: 16.4435
Type of gen. func.: ogf

$$-\frac{x^2 - x + 1}{x^3 - x - 1}$$

Sequence: A104771
Score: 21.8333
Type of gen. func.: lgdogf

$$-\frac{x^4 - 2 x^3 + 4 x^2 + 2 x - 2}{(x^2 - x + 1) (x^3 - x - 1)}$$

Sequence: A104771
Score: 8.80308
Type of gen. func.: ogf

$$-(41 f(x) - 46) (f(x) x^3 - f(x) x + x^2 - f(x) - x + 1)$$

Sequence: A104771
Score: 9.27132
Type of gen. func.: ogf

$$\{a(n+3) + a(n+2) - a(n), a(0) = 1, a(1) = -2, a(2) = 3\}$$

Sequence: A104777
Score: 10.4812
Type of gen. func.: lgdogf

$$-\frac{x^5 + 49 x^4 + 94 x^3 + 190 x^2 + 73 x + 25}{(x - 1) (x + 1) (x^4 + 24 x^3 + 22 x^2 + 24 x + 1)}$$

Sequence: A104777
Score: 8.34517
Type of gen. func.: ogf

$$-\frac{x^4 + 24 x^3 + 22 x^2 + 24 x + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A104794
Score: 13.1461
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x - 4}{x^2 - 1}$$

Sequence: A104858
Score: 6.37
Type of gen. func.: ogf

$$2 f(x)^2 x^3 - 4 f(x)^2 x^2 + 2 f(x)^2 x + f(x) x^2 - f(x) + 1$$

Sequence: A104858
Score: 7.13985
Type of gen. func.: lgdogf

$$-\frac{1 - 2 x + x^2 + 3 (x^2 - 6 x + 1)^{1/2} x - (x^2 - 6 x + 1)^{1/2}}{2 x (x^2 - 6 x + 1)^{1/2} (x - 1)}$$

Sequence: A104859
Score: 3.10766
Type of gen. func.: ogf

$$\{(-27 n^2 - 135 n - 168) a(n + 1) + (31 n^2 + 161 n + 210) a(n + 2) + (-4 n^2 - 26 n - 42) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A104859
Score: 5.11527
Type of gen. func.: ogf

$$f(x)^3 x^4 - 3 f(x)^3 x^3 + 3 x^2 f(x)^3 - f(x)^3 x - f(x) x + f(x) - 1$$

Sequence: A104862
Score: 11.1407
Type of gen. func.: ogf

$$- \frac{x (x - 1)}{x^4 + x^2 - 2 x + 1}$$

Sequence: A104862
Score: 15.3387
Type of gen. func.: lgdogf

$$- \frac{3 x^4 - 4 x^3 + x^2 - 2 x + 1}{(x - 1) (x^4 + x^2 - 2 x + 1)}$$

Sequence: A104862
Score: 7.47083
Type of gen. func.: ogf

$$-f(x) x^4 - f(x) x^2 + 2 f(x) x - x^2 - f(x) + x$$

Sequence: A104891
Score: 12.5506
Type of gen. func.: ogf

$$-5 f(x) x^2 + 6 f(x) x - f(x) + 5 x$$

Sequence: A104891
Score: 18.7423
Type of gen. func.: revogf

$$-\frac{-6 x - 5 + (16 x^2 + 60 x + 25)^{1/2}}{10 x}$$

Sequence: A104891
Score: 20.0131
Type of gen. func.: ogf

$$\frac{5 x}{(5 x - 1) (x - 1)}$$

Sequence: A104891
Score: 28.1135
Type of gen. func.: lgdogf

$$-\frac{2 (-3 + 5 x)}{(5 x - 1) (x - 1)}$$

Sequence: A104891
Score: 9.14180
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 5 a(n), a(0) = 0, a(1) = 5\}$$

Sequence: A104896
Score: 12.1022
Type of gen. func.: ogf

$$-7 f(x) x^2 + 8 f(x) x - f(x) + 7 x$$

Sequence: A104896
Score: 17.6189
Type of gen. func.: revogf

$$-\frac{-7 - 8 x + (36 x^2 + 112 x + 49)^{1/2}}{14 x}$$

Sequence: A104896
Score: 19.2981
Type of gen. func.: ogf

$$\frac{7 x}{(7 x - 1) (x - 1)}$$

Sequence: A104896
Score: 27.1060
Type of gen. func.: lgdogf

$$-\frac{2 (-4 + 7 x)}{(7 x - 1) (x - 1)}$$

Sequence: A104896
Score: 8.81519
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 7 a(n), a(0) = 0, a(1) = 7\}$$

Sequence: A104934
Score: 10.5377
Type of gen. func.: ogf

$$(9 f(x) - 7) (2 f(x) x^2 + 3 f(x) x - f(x) - x + 1)$$

Sequence: A104934
Score: 13.2066
Type of gen. func.: ogf

$$\frac{x - 1}{2 x^2 + 3 x - 1}$$

Sequence: A104934
Score: 13.8472
Type of gen. func.: revogf

$$\frac{-1 - 3 x + (17 x^2 + 2 x + 1)^{1/2}}{2 (2 x - 1)}$$

Sequence: A104934
Score: 16.6167
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 - 2 x - 1)}{(x - 1) (2 x^2 + 3 x - 1)}$$

Sequence: A104934
Score: 7.24750
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A104969
Score: 3.55282
Type of gen. func.: ogf

$$\{(-8 n - 24) a(n + 1) + (4 n + 12) a(n + 2) + (-8 - 2 n) a(n + 3)$$

$$+ (n + 4) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 12\}$$

Sequence: A104969
Score: 4.0171
Type of gen. func.: ogf

$$-16 f(x)^2 x^4 + 16 f(x)^2 x^3 - 8 f(x)^2 x^2 - 32 f(x) x^3 + 4 f(x)^2 x + 16 f(x) x^2$$

$$- f(x)^2 - 8 f(x) x - 16 x^2 + 4 f(x) - 3$$

Sequence: A104970
Score: 4.80187
Type of gen. func.: ogf

$\{(16 n + 40) a(n + 1) + 2 a(n + 2) + (-n - 3) a(n + 3), a(0) = 1, a(1) = 6, a(2) = 18\}$

Sequence: A104970
Score: 5.62271
Type of gen. func.: ogf

$$-64 f(x)^2 x^3 + 16 f(x)^2 x^2 + 4 f(x)^2 x - 64 f(x) x^2 - f(x)^2 + 4 f(x) - 16 x - 3$$

Sequence: A104977
Score: 5.06845
Type of gen. func.: ogf

$$\frac{x^{20} - x^{16} - x^{12} - x^4 + 1}{x^{21} + x^{20} - 3 x^{19} - x^{17} - x^{16} - x^{13} - x^{12} - x^{11} - x^5 - x^4 + x^3 + x + 1}$$

Sequence: A104979
Score: 10.1638
Type of gen. func.: ogf

$$-1 + f(x) - f(x)^2 x^2 - f(x)^3 x$$

Sequence: A104979
Score: 15.8729
Type of gen. func.: revogf

$$\frac{(1 + (-4 x^3 - 4 x + 1)^{1/2}) x}{2 (x^2 + 1)}$$

Sequence: A105036
Score: 7.18760
Type of gen. func.: ogf

$$-\frac{4 x (x^{2} + x + 1)}{(x - 1) (x^{4} - 26 x^{2} + 1)}$$

Sequence: A105036
Score: 8.04517
Type of gen. func.: lgdogf

$$-\frac{3 x^{6} + 2 x^{5} - 24 x^{4} - 56 x^{3} - 53 x^{2} + 54 x + 2}{(x - 1) (x^{2} + x + 1) (x^{4} - 26 x^{2} + 1)}$$

Sequence: A105037
Score: 7.59317
Type of gen. func.: ogf

$$-\frac{2 x (2 x^{2} + x + 2)}{(x - 1) (x^{4} - 22 x^{2} + 1)}$$

Sequence: A105037
Score: 8.86896
Type of gen. func.: lgdogf

$$-\frac{6 x^{6} - 37 x^{4} - 52 x^{3} - 112 x^{2} + 92 x + 3}{(x - 1) (2 x^{2} + x + 2) (x^{4} - 22 x^{2} + 1)}$$

Sequence: A105038
Score: 15.1578
Type of gen. func.: ogf

$$-\frac{4 x}{{}^{2}}$$

$$(x - 1) (x - 10 x + 1)$$

Sequence: A105038
Score: 15.9841
Type of gen. func.: lgdogf

$$-\frac{3 x^{2} - 22 x + 11}{(x - 1) (x^{2} - 10 x + 1)}$$

Sequence: A105038
Score: 6.24928
Type of gen. func.: ogf

$$\{a(n + 3) - 11 a(n + 2) + 11 a(n + 1) - a(n), a(0) = 0, a(1) = 4, a(2) = 44\}$$

Sequence: A105038
Score: 9.01795
Type of gen. func.: ogf

$$f(x) x^{3} - 11 f(x) x^{2} + 11 f(x) x - f(x) + 4 x$$

Sequence: A105040
Score: 7.82953
Type of gen. func.: ogf

$$-\frac{3 x (5 x^{2} + 32 x + 5)}{(x - 1) (x^{2} - 16 x + 1) (x^{2} + 16 x + 1)}$$

Sequence: A105045
Score: 8.28406
Type of gen. func.: ogf

$$-\frac{x (x^{4} + x^{3} - 7 x^{2} + x + 1)}{(x - 1) (x^{4} - 8 x^{2} + 1)}$$

Sequence: A105045
Score: 8.71705
Type of gen. func.: lgdogf

$$-\frac{x^8+2x^7-14x^6+2x^5+47x^4-18x^3-6x^2+2x+2}{(x-1)(x^4+x^3-7x^2+x+1)(x^4-8x^2+1)}$$

Sequence: A105046
Score: 5.57756
Type of gen. func.: ogf

$$-\frac{x(x^6+7x^5+137x^4-938x^3+137x^2+7x+1)}{(x-1)(x^2-11x+1)(x^4+11x^3+120x^2+11x+1)}$$

Sequence: A105051
Score: 5.96924
Type of gen. func.: ogf

$$-\frac{3x^2(5x^2+32x+5)}{(x-1)(x^2-16x+1)(x^2+16x+1)}$$

Sequence: A105058
Score: 4.50578
Type of gen. func.: ogf

$$-(64948 f(x)+18869)(f(x)x^3-5f(x)x^2-5f(x)x+x^2+f(x)-8x-1)$$

Sequence: A105058
Score: 4.86149
Type of gen. func.: ogf

$$\{a(n+3)-5a(n+2)-5a(n+1)+a(n), a(0)=1, a(1)=13, a(2)=69\}$$

Sequence: A105058
Score: 9.08541
Type of gen. func.: ogf

$$-\frac{x^2 - 8x - 1}{(x + 1)(x^2 - 6x + 1)}$$

Sequence: A105058
Score: 9.51276
Type of gen. func.: lgdogf

$$-\frac{x^4 - 16x^3 + 42x^2 + 8x + 13}{(x + 1)(x^2 - 6x + 1)(x^2 - 8x - 1)}$$

Sequence: A105063
Score: 7.02316
Type of gen. func.: ogf

$$-\frac{8x^2 (x + 1)^2}{(x - 1)(x^2 - 8x - 1)(x^2 + 8x - 1)}$$

Sequence: A105063
Score: 8.38286
Type of gen. func.: lgdogf

$$-\frac{3x^5 + 3x^4 - 70x^3 - 198x^2 + 131x + 3}{(x - 1)(x + 1)(x^2 - 8x - 1)(x^2 + 8x - 1)}$$

Sequence: A105072
Score: 17.1724
Type of gen. func.: lgdegf]

$$2 a(n) + (-n - 1) a(n + 1), a(0) = 2, a(1) = 1$$

Sequence: A105073
Score: 11.0345
Type of gen. func.: ogf

$$-\frac{2x}{(x-1)(x^2+x+1)(x^2-3x+1)}$$

Sequence: A105073
Score: 12.0565
Type of gen. func.: lgdogf

$$-\frac{5x^4-12x^3+3x^2-2x+3}{(x-1)(x^2+x+1)(x^2-3x+1)}$$

Sequence: A105076
Score: 8.39221
Type of gen. func.: ogf

$$-\frac{x(x^2+x+1)}{(x-1)(x^4-8x^2+1)}$$

Sequence: A105076
Score: 9.43341
Type of gen. func.: lgdogf

$$-\frac{3x^6+2x^5-6x^4-20x^3-17x^2+18x+2}{(x-1)(x^2+x+1)(x^4-8x^2+1)}$$

Sequence: A105077
Score: 14.4693
Type of gen. func.: ogf

$$-\frac{x^3+5x+5}{(x^2-x+1)(x+1)^2}$$

Sequence: A105077
Score: 20.8860
Type of gen. func.: lgdogf

$$-\frac{x^2 (x^3 - x^2 + 16 x + 12)}{(x + 1) (x^2 - x + 1) (x^3 + 5 x + 5)}$$

Sequence: A105077
Score: 7.35524
Type of gen. func.: ogf

$$(37195 f(x) + 251511) (f(x) x^4 + f(x) x^3 + x^3 + f(x) x + f(x) + 5 x + 5)$$

Sequence: A105082
Score: 14.5017
Type of gen. func.: ogf

$$-\frac{4 x + 5}{x^2 + 2 x - 1}$$

Sequence: A105082
Score: 15.9848
Type of gen. func.: revogf

$$\frac{-5 - 2 x + (8 x^2 + 36 x + 25)^{1/2}}{2 (4 + x)}$$

Sequence: A105082
Score: 17.7609
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^2 + 5 x + 7)}{(4 x + 5) (x^2 + 2 x - 1)}$$

Sequence: A105082
Score: 7.58809
Type of gen. func.: ogf

$$(19 f(x) + 3) (f(x) x^2 + 2 f(x) x - f(x) + 4 x + 5)$$

Sequence: A105082
Score: 7.86236
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) - a(n), a(0) = 5, a(1) = 14\}$$

Sequence: A105094
Score: 13.9801
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{8 x + 16}{x^2 - 1}$$

Sequence: A105099
Score: 5.91112
Type of gen. func.: ogf

$$-\frac{5 x (67 x^2 + 96 x + 67)}{(x - 1) (x^2 - 48 x + 1) (x^2 + 48 x + 1)}$$

Sequence: A105150
Score: 12.8135
Type of gen. func.: ogf

$$-\frac{x (7 x^5 + 5 x^4 + 3 x^3 + 2 x^2 + x + 1)}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A105150
Score: 9.17620

Type of gen. func.: lgdogf

$$-\frac{5x^8+6x^7+6x^6+4x^5+40x^4+20x^3+9x^2+4x+1}{(x-1)(x^4+x^3+x^2+x+1)(7x^5+5x^4+3x^3+2x^2+x+1)}$$

Sequence: A105163
Score: 10.4417
Type of gen. func.: ogf

$$-\frac{2x^3-5x^2+3x-1}{(x-1)^4}$$

Sequence: A105163
Score: 4.27667
Type of gen. func.: ogf

$$\{(21n^2+129n+174)a(n+1)+(-46n^2-244n-282)a(n+2)$$
$$+(25n^2+103n+84)a(n+3),\ a(0)=1,\ a(1)=1,\ a(2)=3\}$$

Sequence: A105163
Score: 5.58344
Type of gen. func.: ogf

$$-(74f(x)+391)$$
$$(f(x)x^4-4f(x)x^3+6f(x)x^2+2x^3-4f(x)x-5x^2+f(x)+3x-1)$$

Sequence: A105175
Score: 5.18221
Type of gen. func.: ogf

$$-\frac{413x^2(22363x^2+13920x+22363)}{(x-1)(x^2+6960x+1)(x^2-6960x+1)}$$

Sequence: A105187
Score: 3.33030
Type of gen. func.: ogf

$$\{(n^3 + 12 n^2 + 47 n + 60) a(n + 1) + (-n - 2) a(n + 2), a(0) = 1, a(1) = 24\}$$

Sequence: A105188
Score: 3.55505
Type of gen. func.: ogf

$$\{(-n^4 - 18 n^3 - 119 n^2 - 342 n - 360) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 120\}$$

Sequence: A105198
Score: 8.24416
Type of gen. func.: ogf

$$-\frac{x (x^4 + 2 x^3 + 2 x + 1)}{(x - 1) (x^4 + 1) (x^2 + 1)}$$

Sequence: A105198
Score: 9.92528
Type of gen. func.: lgdogf

$$-\frac{3 x^{10} + 6 x^9 - 5 x^8 + 16 x^7 - 6 x^6 + 4 x^5 - 2 x^4 + 7 x^2 - 2 x + 3}{(x - 1) (x^2 + 1) (x^4 + 1) (x^4 + 2 x^3 + 2 x + 1)}$$

Sequence: A105209
Score: 7.08066
Type of gen. func.: ogf

$$-\frac{x^{52} + x^{49} - x^{42} - x^{37} - x^{25} - x^{22} - x^{15} - x^3 - 1}{(x - 1) (x^{49} - x^{22} - 1)}$$

Sequence: A105218
Score: 15.3020
Type of gen. func.: lgdegf]

$$-\frac{(x-2)(2x^2-3)}{(x^2-x-1)(x-1)^2}$$

Sequence: A105219
Score: 28.7337
Type of gen. func.: lgdegf]

$$-\frac{-4+3x}{(x-1)^2}$$

Sequence: A105225
Score: 14.0593
Type of gen. func.: ogf

$$-\frac{3x^2-3x+1}{(x-1)(2x^2-x+1)}$$

Sequence: A105225
Score: 16.6819
Type of gen. func.: lgdogf

$$-\frac{6x^4-12x^3+9x^2-1}{(x-1)(3x^2-3x+1)(2x^2-x+1)}$$

Sequence: A105225
Score: 7.33005
Type of gen. func.: ogf

$$-(91 f(x) - 31)(2 f(x) x^3 - 3 f(x) x^2 + 2 f(x) x + 3 x^2 - f(x) - 3 x + 1)$$

Sequence: A105225
Score: 7.65728
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 1, a(1) = -1, a(2) = -2\}$$

Sequence: A105244
Score: 6.65297
Type of gen. func.: ogf

$$(2 x^{14} + x^{11} - x^{10} - 2 x^{9} - 2 x^{8} - 3 x^{7} - 5 x^{6} - 4 x^{5} - 3 x^{4} - 4 x^{3} - 3 x^{2} - 2 x - 1) \Big/ ((x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{6} + x^{3} + 1))$$

Sequence: A105249
Score: 17.7717
Type of gen. func.: lgdogf

$$-\frac{21 (x + 1) (5 x + 1)}{(x - 1) (15 x^{2} + 12 x + 1)}$$

Sequence: A105249
Score: 3.39628
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (12 + 11 n) a(n + 3) + (-120 + 3 n) a(n + 2) + (-120 - 15 n) a(n + 1), a(0) = 1, a(1) = 21, a(2) = 168, a(3) = 840\}$$

Sequence: A105249
Score: 5.93635
Type of gen. func.: ogf

$$-\frac{15 x^{2} + 12 x + 1}{(x - 1)^{9}}$$

Sequence: A105250

Score: 13.9768
Type of gen. func.: lgdogf

$$-\frac{8 (35 x^3 + 84 x^2 + 42 x + 4)}{(x - 1) (35 x^3 + 63 x^2 + 21 x + 1)}$$

Sequence: A105250
Score: 4.98656
Type of gen. func.: ogf

$$-\frac{35 x^3 + 63 x^2 + 21 x + 1}{(x - 1)^{11}}$$

Sequence: A105250
Score: 6.24334
Type of gen. func.: ogf

$$\{(n^2 + 14 n + 45) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 32\}$$

Sequence: A105251
Score: 10.2460
Type of gen. func.: lgdogf

$$-\frac{45 (14 x^4 + 56 x^3 + 56 x^2 + 16 x + 1)}{(x - 1) (70 x^4 + 224 x^3 + 168 x^2 + 32 x + 1)}$$

Sequence: A105251
Score: 6.01904
Type of gen. func.: ogf

$$\{(n^2 + 16 n + 60) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 45\}$$

Sequence: A105252
Score: 6.07189
Type of gen. func.: ogf

$$\{(n^2 + 18 n + 77) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 60\}$$

Sequence: A105252
Score: 8.15700
Type of gen. func.: lgdogf

$$- \frac{30 (42 x^5 + 252 x^4 + 420 x^3 + 240 x^2 + 45 x + 2)}{(x - 1) (126 x^5 + 630 x^4 + 840 x^3 + 360 x^2 + 45 x + 1)}$$

Sequence: A105253
Score: 6.11803
Type of gen. func.: ogf

$$\{(n^2 + 20 n + 96) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 77\}$$

Sequence: A105254
Score: 5.93281
Type of gen. func.: ogf

$$\{(n^2 + 22 n + 117) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 96\}$$

Sequence: A105262
Score: 8.42734
Type of gen. func.: lgdogf

$$- \frac{2 x^7 + 3 x^6 - 4 x^4 + 2 x^3 + 10 x^2 + 8 x + 1}{(x + 1) (x^3 + x^2 - 1) (x^4 - x^3 - 3 x^2 - 2 x + 1)}$$

Sequence: A105262
Score: 9.30059
Type of gen. func.: ogf

$$- \frac{x^3 + x^2 - 1}{}$$

$$(x + 1) (x^4 - x^3 - 3 x^2 - 2 x + 1)$$

Sequence: A105271
Score: 8.16516
Type of gen. func.: lgdogf

$$\frac{5922 x^8 - 12851 x^7 + 6937 x^6 + 14 x^4 - 37 x^3 + 27 x^2 + 4}{(x - 1) (987 x^8 - 991 x^7 + 7 x^4 - 9 x^3 + x^2 - 2 x - 1)}$$

Sequence: A105271
Score: 8.72766
Type of gen. func.: ogf

$$- \frac{x (987 x^8 - 991 x^7 + 7 x^4 - 9 x^3 + x^2 - 2 x - 1)}{(x - 1)^2}$$

Sequence: A105279
Score: 11.2098
Type of gen. func.: ogf

$$-10 f(x) x^2 + 11 f(x) x - f(x) + 10 x$$

Sequence: A105279
Score: 15.9540
Type of gen. func.: revogf

$$- \frac{-10 - 11 x + (81 x^2 + 220 x + 100)^{1/2}}{20 x}$$

Sequence: A105279
Score: 17.3752
Type of gen. func.: ogf

$$\frac{10 x}{(10 x - 1) (x - 1)}$$

Sequence: A105279
Score: 25.4082
Type of gen. func.: lgdogf

$$-\frac{-11 + 20 x}{(10 x - 1) (x - 1)}$$

Sequence: A105279
Score: 8.27392
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 0, a(1) = 10\}$$

Sequence: A105280
Score: 11.2098
Type of gen. func.: ogf

$$-11 f(x) x^2 + 12 f(x) x - f(x) + 11 x$$

Sequence: A105280
Score: 15.5914
Type of gen. func.: revogf

$$-\frac{-12 x - 11 + (100 x^2 + 264 x + 121)^{1/2}}{22 x}$$

Sequence: A105280
Score: 17.3752
Type of gen. func.: ogf

$$\frac{11 x}{(11 x - 1) (x - 1)}$$

Sequence: A105280
Score: 24.5008
Type of gen. func.: lgdogf

$$-\frac{2\,(-6 + 11\,x)}{(11\,x - 1)\,(x - 1)}$$

Sequence: A105280
Score: 8.27392
Type of gen. func.: ogf

$$\{a(n + 2) - 12\,a(n + 1) + 11\,a(n),\ a(0) = 0,\ a(1) = 11\}$$

Sequence: A105281
Score: 12.4888
Type of gen. func.: ogf

$$-6\,f(x)\,x^2 + 7\,f(x)\,x - f(x) + 6\,x$$

Sequence: A105281
Score: 18.6521
Type of gen. func.: revogf

$$-\frac{-7\,x - 6 + (25\,x^2 + 84\,x + 36)^{1/2}}{12\,x}$$

Sequence: A105281
Score: 19.9146
Type of gen. func.: ogf

$$\frac{6\,x}{(-1 + 6\,x)\,(x - 1)}$$

Sequence: A105281
Score: 29.0973
Type of gen. func.: lgdogf

$$-\frac{-7 + 12\,x}{(-1 + 6\,x)\,(x - 1)}$$

Sequence: A105281
Score: 9.09679
Type of gen. func.: ogf

$$\{a(n+2) - 7\,a(n+1) + 6\,a(n),\ a(0) = 0,\ a(1) = 6\}$$

Sequence: A105309
Score: 10.6638
Type of gen. func.: ogf

$$-\frac{(x-1)(x+1)}{x^4 - x^3 - 2x^2 - x + 1}$$

Sequence: A105309
Score: 10.9562
Type of gen. func.: lgdogf

$$-\frac{2x^5 - x^4 - 4x^3 + 4x^2 + 2x + 1}{(x-1)(x+1)(x^4 - x^3 - 2x^2 - x + 1)}$$

Sequence: A105309
Score: 5.3319
Type of gen. func.: ogf

$$-(39 f(x) - 8)(f(x)\,x^4 - f(x)\,x^3 - 2 f(x)\,x^2 - f(x)\,x + x^2 + f(x) - 1)$$

Sequence: A105340
Score: 105.693
Type of gen. func.: lgdogf

$$-\frac{3}{x-1}$$

Sequence: A105340
Score: 8.74952
Type of gen. func.: ogf

$$\frac{x\,(2048\,x^{60} + 6144\,x^{59} + 12288\,x^{58} + 1)}{20480\,x^{60} - 30720\,x^{59} + 12288\,x^{58} - x^{3} + 3\,x^{2} - 3\,x + 1}$$

Sequence: A105343
Score: 10.8790
Type of gen. func.: ogf

$$-\frac{x^{4} + x^{3} - 2\,x^{2} + x + 1}{(x + 1)\,(x - 1)^{3}}$$

Sequence: A105343
Score: 6.54443
Type of gen. func.: ogf

$$(14\,f(x) + 3)\,(f(x)\,x^{4} - 2\,f(x)\,x^{3} + x^{4} + x^{3} + 2\,f(x)\,x - 2\,x^{2} - f(x) + x + 1)$$

Sequence: A105367
Score: 16.3177
Type of gen. func.: lgdogf

$$-\frac{x^{2}\,(2\,x^{3} + 4\,x^{2} + 6\,x + 3)}{(x^{2} + x + 1)\,(x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A105367
Score: 19.1998
Type of gen. func.: ogf_with_Euler_transform]

$$[x^{4} - x^{2}]$$

Sequence: A105367
Score: 4.19728
Type of gen. func.: ogf

4 3 2 2

$$-(3 f(x) - 4) (f(x) x + f(x) x + f(x) x + f(x) x - x + f(x) - x - 1)$$

Sequence: A105367
Score: 8.09042
Type of gen. func.: ogf

$$\frac{x^2 + x + 1}{x^4 + x^3 + x^2 + x + 1}$$

Sequence: A105368
Score: 10.0734
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^2 + x + 1)}{x^4 + x^3 + x^2 + x + 1}$$

Sequence: A105368
Score: 13.4624
Type of gen. func.: lgdogf

$$-\frac{x^6 - x^4 - 6 x^3 - 6 x^2 - 2 x - 1}{(x - 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A105368
Score: 19.7855
Type of gen. func.: ogf_with_Euler_transform]

$$[x^4 - x^2 - 1]$$

Sequence: A105368
Score: 5.19661
Type of gen. func.: ogf

$$(5 f(x) - 33) (f(x) x^4 + f(x) x^3 + f(x) x^2 + x^3 + f(x) x + f(x) - 1)$$

Sequence: A105369
Score: 10.7425
Type of gen. func.: lgdogf

$$-\frac{(2x+1)(15x^4+30x^3+25x^2+10x+2)}{(3x^2+3x+1)(5x^4+10x^3+10x^2+5x+1)}$$

Sequence: A105369
Score: 11.2905
Type of gen. func.: ogf

$$\frac{3x^2+3x+1}{5x^4+10x^3+10x^2+5x+1}$$

Sequence: A105369
Score: 7.35435
Type of gen. func.: ogf

$$-5 f(x) x^4 - 10 f(x) x^3 - 10 f(x) x^2 - 5 f(x) x + 3 x^2 - f(x) + 3 x + 1$$

Sequence: A105370
Score: 10.4806
Type of gen. func.: ogf

$$\frac{(x+1)(3x^2+3x+1)}{5x^4+10x^3+10x^2+5x+1}$$

Sequence: A105370
Score: 5.91404
Type of gen. func.: ogf

$$(5 f(x) - 33) (5 f(x) x^4 + 10 f(x) x^3 + 10 f(x) x^2 - 3 x^3 + 5 f(x) x - 6 x^2$$
$$+ f(x) - 4 x - 1)$$

Sequence: A105370
Score: 9.78291
Type of gen. func.: lgdogf

$$-\frac{15 x^{6} + 60 x^{5} + 90 x^{4} + 70 x^{3} + 31 x^{2} + 8 x + 1}{(x + 1) (3 x^{2} + 3 x + 1) (5 x^{4} + 10 x^{3} + 10 x^{2} + 5 x + 1)}$$

Sequence: A105371
Score: 10.4566
Type of gen. func.: lgdogf

$$-\frac{x^{6} - 4 x^{5} + 6 x^{4} - 6 x^{3} + 5 x^{2} - 4 x + 1}{(x - 1) (x^{2} - x + 1) (x^{4} - 2 x^{3} + 4 x^{2} - 3 x + 1)}$$

Sequence: A105371
Score: 6.26463
Type of gen. func.: ogf

$$f(x) x^{4} - 2 f(x) x^{3} + 4 f(x) x^{2} + x^{3} - 3 f(x) x - 2 x^{2} + f(x) + 2 x - 1$$

Sequence: A105371
Score: 9.35627
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^{2} - x + 1)}{x^{4} - 2 x^{3} + 4 x^{2} - 3 x + 1}$$

Sequence: A105374
Score: 10.1403
Type of gen. func.: ogf

$$\frac{8 x (x^{2} + x + 1)}{(x - 1)^{4}}$$

Sequence: A105374
Score: 24.3135
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 5 x + 5}{(x - 1) (x^2 + x + 1)}$$

Sequence: A105374
Score: 29.3849
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^2 + 5]$$

Sequence: A105374
Score: 4.45927
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 4) + 5 a(n + 3) + 5 a(n + 2) + (n + 2) a(n + 1), a(0) = 0,$$
$$a(1) = 8, a(2) = 40, a(3) = 120\}$$

Sequence: A105374
Score: 5.28742
Type of gen. func.: ogf

$$-(75 f(x) + 328)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 8 x^3 - 4 f(x) x - 8 x^2 + f(x) - 8 x)$$

Sequence: A105384
Score: 13.1716
Type of gen. func.: ogf

$$\frac{x}{x^4 + x^3 + x^2 + x + 1}$$

Sequence: A105384
Score: 15.9763
Type of gen. func.: lgdogf

-a(n + 4) - a(n + 3) - a(n + 2) - a(n + 1) - a(n), a(0) = -1, a(1) = -1,

a(2) = -1, a(3) = -1

Sequence: A105384
Score: 27.8663
Type of gen. func.: ogf_with_Euler_transform]

$$[x^4 - 1]$$

Sequence: A105384
Score: 7.34836
Type of gen. func.: ogf

$$-f(x) x^4 - f(x) x^3 - f(x) x^2 - f(x) x - f(x) + x$$

Sequence: A105385
Score: 19.5144
Type of gen. func.: lgdogf

$$-\frac{x (3 x^3 + 6 x^2 + 4 x + 2)}{(x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A105385
Score: 23.5790
Type of gen. func.: ogf_with_Euler_transform]

$$[x^4 - x]$$

Sequence: A105385
Score: 4.88366
Type of gen. func.: ogf

$$(2 f(x) - 1) (f(x) x^4 + f(x) x^3 + f(x) x^2 + f(x) x + f(x) - x - 1)$$

Sequence: A105385
Score: 9.68726
Type of gen. func.: ogf

$$\frac{x + 1}{x^4 + x^3 + x^2 + x + 1}$$

Sequence: A105390
Score: 9.75704
Type of gen. func.: ogf

$$- x^{11} (x^{19} - x^{10} + 1) \Big/ ((x + 1) (x^4 + x^3 + x^2 + x + 1)$$

$$(x^4 - x^3 + x^2 - x + 1)$$

$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3)$$

Sequence: A105392
Score: 6.55086
Type of gen. func.: lgdogf

$$- \frac{x^8 - 4 x^6 - 4 x^5 - 13 x^4 + 44 x^3 + 82 x^2 - 16 x - 17}{(x + 1) (x^2 - 3 x + 1) (x^2 + x - 1) (x^4 - 3 x^2 - 2 x - 5)}$$

Sequence: A105392
Score: 7.02871
Type of gen. func.: ogf

$$\frac{x (x^4 - 3 x^2 - 2 x - 5)}{(x + 1) (x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A105395

Score: 10.3260
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 7\}$$

Sequence: A105395
Score: 11.9433
Type of gen. func.: ogf

$$(5 f(x) - 4) (f(x) x^3 + 6 x^3 + x^2 - f(x) + x + 1)$$

Sequence: A105395
Score: 15.9455
Type of gen. func.: lgdogf

$$- \frac{x^4 + 2 x^3 + 21 x^2 + 2 x + 1}{(x - 1) (2 x + 1) (x^2 + x + 1) (3 x^2 - x + 1)}$$

Sequence: A105395
Score: 17.3911
Type of gen. func.: ogf

$$- \frac{(2 x + 1) (3 x^2 - x + 1)}{(x - 1) (x^2 + x + 1)}$$

Sequence: A105396
Score: 13.0433
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n), a(0) = 3, a(1) = 6, a(2) = 6\}$$

Sequence: A105396
Score: 13.2172
Type of gen. func.: ogf

$$(f(x) + 6) (f(x) x^3 + 6 x^2 - f(x) + 6 x + 3)$$

Sequence: A105396
Score: 17.3692
Type of gen. func.: lgdogf

$$-\frac{2x^4+4x^3+3x^2+4x+2}{(x-1)(x^2+x+1)(2x^2+2x+1)}$$

Sequence: A105396
Score: 20.2305
Type of gen. func.: ogf

$$-\frac{3(2x^2+2x+1)}{(x-1)(x^2+x+1)}$$

Sequence: A105397
Score: 14.9589
Type of gen. func.: ogf

$$\{-a(n+2)+a(n), a(0)=4, a(1)=2\}$$

Sequence: A105397
Score: 21.2749
Type of gen. func.: ogf

$$-f(x)x^2+f(x)-2x-4$$

Sequence: A105397
Score: 21.4435
Type of gen. func.: lgdogf

$$-\frac{x^2+4x+1}{(x-1)(x+2)(x+1)}$$

Sequence: A105397
Score: 22.9752
Type of gen. func.: revogf

$$\frac{-2 + (x^{2} + 2 x + 4)^{1/2}}{x + 2}$$

Sequence: A105397
Score: 23.3505
Type of gen. func.: ogf

$$- \frac{2 (x + 2)}{(x - 1) (x + 1)}$$

Sequence: A105398
Score: 15.4890
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 4, a(1) = 8\}$$

Sequence: A105398
Score: 22.0287
Type of gen. func.: ogf

$$f(x) x^{2} - f(x) + 8 x + 4$$

Sequence: A105398
Score: 24.1779
Type of gen. func.: ogf

$$- \frac{4 (2 x + 1)}{(x - 1) (x + 1)}$$

Sequence: A105398
Score: 30.3962
Type of gen. func.: lgdogf

$$- \frac{2 (x^{2} + x + 1)}{}$$

$$(x - 1) (2 x + 1) (x + 1)$$

Sequence: A105398
Score: 34.7385
Type of gen. func.: revogf

$$\frac{-2 + (x^2 + 8 x + 4)^{1/2}}{8 + x}$$

Sequence: A105423
Score: 26.0408
Type of gen. func.: lgdogf

$$- \frac{3 x (x - 2)}{(x - 1) (x^2 + x - 1)}$$

Sequence: A105423
Score: 3.84156
Type of gen. func.: ogf

{(n + 4) a(n + 4) + (-2 n - 6) a(n + 3) - 6 a(n + 2) + (n + 4) a(n + 1),

a(0) = 1, a(1) = 0, a(2) = 3, a(3) = 3}

Sequence: A105423
Score: 8.93039
Type of gen. func.: ogf

$$\frac{(x - 1)^3}{(x^2 + x - 1)^3}$$

Sequence: A105426
Score: 13.3144
Type of gen. func.: ogf

$$- \frac{3 x - 1}{x^2 - 8 x + 1}$$

Sequence: A105426
Score: 14.6791
Type of gen. func.: revogf

$$-\frac{-1 - 8 x + (60 x^2 + 4 x + 1)^{1/2}}{2 (3 + x)}$$

Sequence: A105426
Score: 16.7761
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 2 x + 5}{(3 x - 1) (x^2 - 8 x + 1)}$$

Sequence: A105426
Score: 6.3739
Type of gen. func.: ogf

$$-(1496 f(x) - 871) (f(x) x^2 - 8 f(x) x + f(x) + 3 x - 1)$$

Sequence: A105426
Score: 7.30666
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A105432
Score: 10.3872
Type of gen. func.: ogf

$$-\frac{x^{18} - x^{17} + x^6 - x^4 + x^2 + 2 x - 4}{(x - 1)^2}$$

Sequence: A105432
Score: 9.74327
Type of gen. func.: lgdogf

$$\frac{16 x^{18} - 33 x^{17} + 17 x^{16} + 4 x^{6} - 6 x^{5} - 2 x^{4} + 4 x^{3} - 4 x + 6}{(x - 1) (x^{18} - x^{17} + x^{6} - x^{4} + x^{2} + 2 x - 4)}$$

Sequence: A105434
Score: 9.30742
Type of gen. func.: ogf

$$\frac{x^{28} + x^{24} + x^{12} + x^{6} + x^{4} + x^{2} + 1}{(x - 1)^{2}}$$

Sequence: A105450
Score: 6.08365
Type of gen. func.: ogf

$$\frac{x (2 x^{5} - 11 x^{4} + 26 x^{3} - 32 x^{2} + 20 x - 6)}{(x - 1)^{7}}$$

Sequence: A105450
Score: 9.67550
Type of gen. func.: lgdogf

$$- \frac{4 x^{5} - 23 x^{4} + 60 x^{3} - 82 x^{2} + 56 x - 22}{(x - 1) (2 x^{5} - 11 x^{4} + 26 x^{3} - 32 x^{2} + 20 x - 6)}$$

Sequence: A105452
Score: 5.27530
Type of gen. func.: ogf

$\{(-7 n - 34) a(n + 1) + (7 n + 13) a(n + 4), a(0) = 2, a(1) = 13, a(2) = 20,$

$a(3) = 9\}$

Sequence: A105452
Score: 7.01744
Type of gen. func.: lgdogf

$$-\frac{x^{7}+16x^{6}+15x^{5}+85x^{4}+97x^{3}+27x^{2}+40x+13}{(x-1)(x^{2}+x+1)(x^{5}+8x^{4}+5x^{3}+20x^{2}+13x+2)}$$

Sequence: A105452
Score: 8.38964
Type of gen. func.: ogf

$$\frac{x^{5}+8x^{4}+5x^{3}+20x^{2}+13x+2}{(x-1)^{2}(x^{2}+x+1)^{2}}$$

Sequence: A105476
Score: 15.7019
Type of gen. func.: ogf

$$\frac{(x-1)(x+1)}{3x^{2}+x-1}$$

Sequence: A105476
Score: 7.54308
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+2)+3a(n+1),\ a(0)=1,\ a(1)=1,\ a(2)=3\}$$

Sequence: A105476
Score: 8.64487
Type of gen. func.: ogf

$$(8f(x)-7)(3f(x)x^{2}+f(x)x-x^{2}-f(x)+1)$$

Sequence: A105479

Score: 16.6355
Type of gen. func.: lgdegf]

$$(-n - 2)\, a(n + 2) + a(n + 1),\ a(0) = 1,\ a(1) = 1$$

Sequence: A105514
Score: 6.59028
Type of gen. func.: ogf

$$x^{19} (x + 1) (x^4 - x^3 + x^2 - x + 1) (x^{24} - x^{10} + 1) / ((x^{42} + x^{41} + x^{40} + x^{39} + x^{38} + x^{37} + x^{36} + x^{35} + x^{34} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A105518
Score: 7.70696
Type of gen. func.: ogf

$$- x^6 (x^{43} - x^{34} - x^{24} + x^{10} - 1) / ((x^{42} + x^{41} + x^{40} + x^{39} + x^{38} + x^{37} + x^{36} + x^{35} + x^{34} + x^{33} + x^{32} + x^{31} + x^{30} + x^{29} + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A105523
Score: 13.3204
Type of gen. func.: lgdogf

$$- \frac{2 x - 1 + (4 x^2 + 1)^{1/2}}{2 (4 x^2 + 1)^{1/2} x}$$

Sequence: A105523
Score: 38.2962
Type of gen. func.: revogf

$$\frac{x (x - 1)}{2 x - 1}$$

Sequence: A105523
Score: 8.74892
Type of gen. func.: ogf

$$-f(x)^{2} x + 2 f(x) x + f(x) - 1$$

Sequence: A105524
Score: 7.00291
Type of gen. func.: ogf

$$-f(x)^{2} x^{4} + 2 f(x)^{2} x^{2} + 4 f(x) x^{3} - 4 f(x) x^{2} - 2 f(x) x - f(x) + 1$$

Sequence: A105559
Score: 14.8921
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3 x^{2} - 3}{x^{4} + x^{2} + 1}$$

Sequence: A105565
Score: 5.95383
Type of gen. func.: ogf

$$- x (x^{44} - x^{43} + x^{13} + x^{12} + x^{10} + x^{9} + x^{8} + x^{7} + x^{5} + x^{4} + x^{3} + x + 1) / ((x - 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x + 1) (x^{6} - x^{5} + x^{4} - x^{3} + x^{2} - x + 1))$$

Sequence: A105576
Score: 13.2757
Type of gen. func.: ogf

$$-\frac{x^{2} - 2 x + 3}{{}^{2}}$$

$$(x - 1) (2 x \quad - x + 1)$$

Sequence: A105576
Score: 15.2695
Type of gen. func.: lgdogf

$$- \frac{2 (x^4 - 4 x^3 + 11 x^2 - 8 x + 2)}{(x - 1) (x^2 - 2 x + 3) (2 x^2 - x + 1)}$$

Sequence: A105576
Score: 6.98118
Type of gen. func.: ogf

$$-(9 f(x) - 59) (2 f(x) x^3 - 3 f(x) x^2 + 2 f(x) x + x^2 - f(x) - 2 x + 3)$$

Sequence: A105576
Score: 7.29565
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 3, a(1) = 4, a(2) = 0\}$$

Sequence: A105577
Score: 13.5859
Type of gen. func.: ogf

$$\frac{x^2 - 3 x - 1}{(x - 1) (2 x^2 - x + 1)}$$

Sequence: A105577
Score: 15.9477
Type of gen. func.: lgdogf

$$- \frac{2 x^4 - 12 x^3 + x^2 + 8 x - 5}{(x - 1) (2 x^2 - x + 1) (x^2 - 3 x - 1)}$$

Sequence: A105577
Score: 6.79293
Type of gen. func.: ogf

$$-(1403 f(x) - 10259) (2 f(x) x^3 - 3 f(x) x^2 + 2 f(x) x - x^2 - f(x) + 3 x + 1)$$

Sequence: A105577
Score: 7.39945
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 5, a(2) = 6\}$$

Sequence: A105578
Score: 14.5465
Type of gen. func.: ogf

$$-\frac{x^2 - x + 1}{(x - 1) (2 x^2 - x + 1)}$$

Sequence: A105578
Score: 17.8735
Type of gen. func.: lgdogf

$$-\frac{2 x^4 - 4 x^3 + 7 x^2 - 4 x + 1}{(x - 1) (x^2 - x + 1) (2 x^2 - x + 1)}$$

Sequence: A105578
Score: 7.71596
Type of gen. func.: ogf

$$-(f(x) - 2) (2 f(x) x^3 - 3 f(x) x^2 + 2 f(x) x + x^2 - f(x) - x + 1)$$

Sequence: A105578
Score: 7.99401
Type of gen. func.: ogf

$$\{-a(n+3) + 2\,a(n+2) - 3\,a(n+1) + 2\,a(n),\ a(0) = 1,\ a(1) = 1,\ a(2) = 0\}$$

Sequence: A105579
Score: 14.7063
Type of gen. func.: ogf

$$-\frac{x^2 + x + 1}{(x - 1)(2x^2 - x + 1)}$$

Sequence: A105579
Score: 18.5103
Type of gen. func.: lgdogf

$$-\frac{2x^4 + 4x^3 + x^2 - 4x + 3}{(x - 1)(x^2 + x + 1)(2x^2 - x + 1)}$$

Sequence: A105579
Score: 7.86916
Type of gen. func.: ogf

$$(35 f(x) - 477)(2 f(x) x^3 - 3 f(x) x^2 + 2 f(x) x + x^2 - f(x) + x + 1)$$

Sequence: A105579
Score: 8.00969
Type of gen. func.: ogf

$$\{a(n+3) - 2\,a(n+2) + 3\,a(n+1) - 2\,a(n),\ a(0) = 1,\ a(1) = 3,\ a(2) = 4\}$$

Sequence: A105580
Score: 14.3103
Type of gen. func.: ogf

$$-\frac{x^2 + x - 5}{x^3 - x^2 - x - 1}$$

Sequence: A105580
Score: 18.9901
Type of gen. func.: lgdogf

$$-\frac{x^4 + 2 x^3 - 15 x^2 + 12 x + 6}{(x^2 + x - 5) (x^3 - x^2 - x - 1)}$$

Sequence: A105580
Score: 7.33555
Type of gen. func.: ogf

$$-(538 f(x) + 413) (f(x) x^3 - f(x) x^2 - f(x) x + x^2 - f(x) + x - 5)$$

Sequence: A105580
Score: 7.86423
Type of gen. func.: ogf

{-a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = -5, a(1) = 6, a(2) = 0}

Sequence: A105633
Score: 6.69575
Type of gen. func.: ogf

$$-f(x)^2 x^3 + f(x)^2 x^2 - f(x) x^2 + 2 f(x) x - f(x) + 1$$

Sequence: A105633
Score: 9.02774
Type of gen. func.: revogf

$$-\frac{-(x + 1)^{1/2} x - (x + 1)^{1/2} + (x^3 - x^2 + 3 x + 1)^{1/2}}{2 (x + 1)^{1/2} x}$$

Sequence: A105635

Score: 13.0272
Type of gen. func.: ogf

$$\frac{x}{(x - 1) (x + 1) (x^2 + 2 x - 1)}$$

Sequence: A105635
Score: 14.4732
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^3 + 3 x^2 - 2 x - 1)}{(x - 1) (x + 1) (x^2 + 2 x - 1)}$$

Sequence: A105635
Score: 8.35425
Type of gen. func.: ogf

$$-f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 + 2 f(x) x - f(x) + x$$

Sequence: A105636
Score: 10.0192
Type of gen. func.: ogf

$$- \frac{x (x^2 + 4 x + 1)}{(x + 1) (x - 1)^5}$$

Sequence: A105636
Score: 18.1929
Type of gen. func.: lgdogf

$$- \frac{4 (x^3 + 6 x^2 + 6 x + 2)}{(x - 1) (x + 1) (x^2 + 4 x + 1)}$$

Sequence: A105636

Score: 4.85960
Type of gen. func.: ogf

$$\{(n^2 + 8 n + 16) a(n + 1) + (4 n + 12) a(n + 2) + (-n^2 - 4 n - 4) a(n + 3),$$
$$a(0) = 0, a(1) = 1, a(2) = 8\}$$

Sequence: A105637
Score: 14.9801
Type of gen. func.: ogf

$$\frac{x (2 x + 1)}{(x^2 + x + 1) (x + 1) (x - 1)^2}$$

Sequence: A105637
Score: 15.8034
Type of gen. func.: lgdogf

$$- \frac{8 x^4 + 13 x^3 + 9 x^2 + 4 x + 2}{(x - 1) (2 x + 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A105638
Score: 10.3418
Type of gen. func.: ogf

$$\frac{x (x^3 - 4 x - 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A105638
Score: 16.5144
Type of gen. func.: lgdogf

$$- \frac{2 x^4 + x^3 - 13 x^2 - 9 x - 5}{(x - 1) (x + 1) (x^3 - 4 x - 1)}$$

Sequence: A105644
Score: 8.54868
Type of gen. func.: ogf

$$\frac{x (6 x^6 + 6 x^5 + 6 x^4 + 6 x^3 + 6 x^2 + 6 x + 5)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A105660
Score: 4.44712
Type of gen. func.: ogf

$(31716 f(x) + 78665)$

$$(f(x) x^4 - 6 f(x) x^3 + 13 f(x) x^2 + x^3 - 6 f(x) x - 6 x^2 + f(x) + 8 x - 3)$$

Sequence: A105660
Score: 7.93301
Type of gen. func.: lgdogf

$$- \frac{x^6 - 12 x^5 + 47 x^4 - 96 x^3 + 119 x^2 - 66 x + 10}{(x - 1) (x^2 - 5 x + 3) (x^4 - 6 x^3 + 13 x^2 - 6 x + 1)}$$

Sequence: A105660
Score: 8.32410
Type of gen. func.: ogf

$$- \frac{(x - 1) (x^2 - 5 x + 3)}{x^4 - 6 x^3 + 13 x^2 - 6 x + 1}$$

Sequence: A105671
Score: 6.12910
Type of gen. func.: lgdogf

$$- \frac{x^8 + 31 x^6 - 90 x^5 + 66 x^4 + 150 x^3 - 449 x^2 + 240 x + 1}{(x - 1) (x^2 + 3 x + 1) (x^2 - 3 x + 1) (x^4 + 8 x^2 - 15 x + 16)}$$

Sequence: A105671
Score: 7.26518
Type of gen. func.: ogf

$$-\frac{x^4 + 8 x^2 - 15 x + 16}{(x - 1) (x^2 + 3 x + 1) (x^2 - 3 x + 1)}$$

Sequence: A105693
Score: 13.6688
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 13 x^2 + 14 x - 4}{(x - 1) (2 x - 1) (x^2 - 3 x + 1)}$$

Sequence: A105693
Score: 13.7838
Type of gen. func.: ogf

$$\frac{x (x - 1)}{(2 x - 1) (x^2 - 3 x + 1)}$$

Sequence: A105693
Score: 7.07817
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 7 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 1, a(2) = 4\}$$

Sequence: A105693
Score: 7.27478
Type of gen. func.: ogf

$$(19 f(x) - 3) (2 f(x) x^3 - 7 f(x) x^2 + 5 f(x) x - x^2 - f(x) + x)$$

Sequence: A105694
Score: 13.6706
Type of gen. func.: ogf

$$\frac{(x - 1)(x + 1)}{10 x - 1}$$

Sequence: A105694
Score: 16.5408
Type of gen. func.: lgdogf

$$\frac{2 (5 x^2 - x + 5)}{(x - 1)(10 x - 1)(x + 1)}$$

Sequence: A105694
Score: 6.59961
Type of gen. func.: ogf

$$\{-a(n + 3) + 10 a(n + 2), a(0) = 1, a(1) = 10, a(2) = 99\}$$

Sequence: A105694
Score: 7.86528
Type of gen. func.: ogf

$$(49 f(x) + 1)(10 f(x) x - x^2 - f(x) + 1)$$

Sequence: A105695
Score: 7.67232
Type of gen. func.: ogf

$$f(x)^2 x + f(x) x^2 + x^3 - x^2 - f(x) - x + 1$$

Sequence: A105696
Score: 10.3042
Type of gen. func.: ogf

$$-3 f(x)^2 x - x^3 + f(x)^2 + x^2 + x - 1$$

Sequence: A105696
Score: 22.6360
Type of gen. func.: lgdogf

$$\frac{3 x^{2} + 1}{(x - 1) (3 x - 1) (x + 1)}$$

Sequence: A105696
Score: 3.54377
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (10 + 3 n) a(n + 3) + (n + 2) a(n + 2) - 3 n a(n + 1),$$

$$a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 6\}$$

Sequence: A105723
Score: 12.6511
Type of gen. func.: ogf

$$-3 f(x) x^{2} - 2 f(x) x + f(x) - 4 x$$

Sequence: A105723
Score: 17.2591
Type of gen. func.: ogf

$$- \frac{4 x}{(x + 1) (3 x - 1)}$$

Sequence: A105723
Score: 20.9604
Type of gen. func.: revogf

$$\frac{-2 - x + 2 (x^{2} + x + 1)^{1/2}}{3 x}$$

Sequence: A105723
Score: 26.2006

Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x+1)}{(x+1)\,(3\,x-1)}$$

Sequence: A105723
Score: 7.88380
Type of gen. func.: ogf

$$\{-a(n+2)+2\,a(n+1)+3\,a(n),\ a(0)=0,\ a(1)=4\}$$

Sequence: A105747
Score: 2.80540
Type of gen. func.: ogf

$$\{-a(n+1)+(-4\,n-13)\,a(n+2)+(4\,n+15)\,a(n+3)-a(n+4),\ a(0)=1,\ a(1)=4,\ a(2)=23,\ a(3)=216\}$$

Sequence: A105748
Score: 4.02439
Type of gen. func.: ogf

$$\{a(n+1)+(2\,n+6)\,a(n+2)+(-8-2\,n)\,a(n+3)+a(n+4),\ a(0)=1,\ a(1)=3,\ a(2)=10,\ a(3)=47\}$$

Sequence: A105751
Score: 4.31834
Type of gen. func.: ogf

$$\{(n^3+7\,n^2+17\,n+15)\,a(n+1)+(-5-2\,n)\,a(n+2)+(n+2)\,a(n+3),\ a(0)=0,\ a(1)=1,\ a(2)=3\}$$

Sequence: A105752
Score: 13.6069
Type of gen. func.: egf]

$$-2\,f(x)\,x+x^2-2\,f(x)+2\,x+2$$

Sequence: A105752
Score: 16.0258
Type of gen. func.: egf]

$$\frac{x^2 + 2 x + 2}{2 (x + 1)}$$

Sequence: A105752
Score: 29.7244
Type of gen. func.: lgdegf]

$$\frac{x (x + 2)}{(x + 1) (x^2 + 2 x + 2)}$$

Sequence: A105752
Score: 3.33872
Type of gen. func.: ogf

$$\{(-n^2 - 2 n) a(n + 1) + (-n^2 - 6 n - 6) a(n + 2) + (-n^2 - 9 n - 18) a(n + 3) + (-n - 4) a(n + 4), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = -3\}$$

Sequence: A105754
Score: 4.87091
Type of gen. func.: ogf

$$- \frac{8 x^7 + 7 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1}{x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A105755
Score: 4.37451
Type of gen. func.: ogf

$$- \frac{9 x^8 + 8 x^7 + 7 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1}{x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A105770
Score: 10.8125
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^6 + x^5 + 7 x^4 + 9 x^3 + 2 x^2 + 5 x + 1)}{(x - 1) (x^2 + x + 1) (x^2 - x + 1) (4 x^2 + x + 1)}$$

Sequence: A105770
Score: 9.40989
Type of gen. func.: ogf

$$-\frac{(x^2 - x + 1) (4 x^2 + x + 1)}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A105801
Score: 4.66516
Type of gen. func.: ogf

$$(123 x^9 - 153 x^8 + 153 x^7 + 201 x^6 - 266 x^5 - 29 x^4 - 41 x^3 + 16 x^2 + 2 x + 2) \Big/ ((x - 1) (9 x^6 + 33 x^3 - 2))$$

Sequence: A105811
Score: 15.4450
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{(x + 1)^2}$$

Sequence: A105811
Score: 41.0944
Type of gen. func.: lgdogf

$$3 x + 1$$

$$\frac{}{(x + 1) (x^2 - x - 1)}$$

Sequence: A105811
Score: 8.10480
Type of gen. func.: ogf

$$\{-a(n + 3) - 2 a(n + 2) - a(n + 1), a(0) = 1, a(1) = -1, a(2) = 0\}$$

Sequence: A105811
Score: 8.43902
Type of gen. func.: ogf

$$-(f(x) - 3) (f(x) x^2 + 2 f(x) x + x^2 + f(x) - x - 1)$$

Sequence: A105812
Score: 12.9879
Type of gen. func.: ogf

$$f(x) x + x^2 + f(x) - x - 1$$

Sequence: A105812
Score: 15.2969
Type of gen. func.: ogf

$$- \frac{x^2 - x - 1}{x + 1}$$

Sequence: A105812
Score: 36.5585
Type of gen. func.: lgdogf

$$\frac{x (x + 2)}{(x + 1) (x^2 - x - 1)}$$

Sequence: A105812
Score: 8.29349
Type of gen. func.: ogf

$$\{a(n + 3) + a(n + 2), a(0) = 1, a(1) = 0, a(2) = -1\}$$

Sequence: A105814
Score: 8.88221
Type of gen. func.: lgdogf

$$\frac{3240 x^{11} - 10440 x^{10} + 11250 x^{9} - 4050 x^{8} + 10 x - 13}{(x - 1) (405 x^{11} - 855 x^{10} + 450 x^{9} - 5 x + 6)}$$

Sequence: A105814
Score: 9.25710
Type of gen. func.: ogf

$$- \frac{2 (405 x^{11} - 855 x^{10} + 450 x^{9} - 5 x + 6)}{(x - 1)^{3}}$$

Sequence: A105837
Score: 4.9063
Type of gen. func.: ogf

$$(498969450 f(x) + 139707517)$$

$$(f(x) x^{4} - 398 f(x) x^{2} - x^{3} - 131 x^{2} + f(x) - 131 x - 1)$$

Sequence: A105837
Score: 8.49963
Type of gen. func.: ogf

$$\frac{(x + 1) (x^{2} + 130 x + 1)}{(x^{2} + 20 x + 1) (x^{2} - 20 x + 1)}$$

Sequence: A105838

Score: 7.40454
Type of gen. func.: ogf

$$-\frac{3 x (13 x^2 + 40 x + 13)}{(x - 1) (x^2 + 20 x + 1) (x^2 - 20 x + 1)}$$

Sequence: A105839
Score: 5.70725
Type of gen. func.: ogf

$$\frac{(x + 1) (x^6 + 36 x^5 + 2891 x^4 + 65280 x^3 + 2891 x^2 + 36 x + 1)}{(x^4 - 340 x^2 + 1) (x^4 + 340 x^2 + 1)}$$

Sequence: A105843
Score: 5.39421
Type of gen. func.: ogf

$$(3747688560 f(x) + 2781895871)$$

$$(f(x) x^4 - 146 f(x) x^2 - x^3 - 149 x^2 + f(x) - 149 x - 1)$$

Sequence: A105843
Score: 9.49686
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 148 x + 1)}{(x^2 - 12 x - 1) (x^2 + 12 x - 1)}$$

Sequence: A105844
Score: 6.37195
Type of gen. func.: ogf

$$-\frac{24 x (x^2 + x + 1)}{(x - 1) (x^2 - 12 x - 1) (x^2 + 12 x - 1)}$$

Sequence: A105845
Score: 4.57979
Type of gen. func.: ogf

$$(76727403673600 f(x) + 62274902334769)$$

$$(f(x) x^4 - 4098 f(x) x^2 - x^3 - 4511 x^2 + f(x) - 4511 x - 1)$$

Sequence: A105845
Score: 8.41692
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 4510 x + 1)}{(x^2 - 64 x - 1) (x^2 + 64 x - 1)}$$

Sequence: A105846
Score: 7.39357
Type of gen. func.: ogf

$$- \frac{64 x (11 x^2 + 10 x + 11)}{(x - 1) (x^2 - 64 x - 1) (x^2 + 64 x - 1)}$$

Sequence: A105849
Score: 10.6592
Type of gen. func.: revogf

$$- \frac{-1 - 4 x - x^2 + ((x + 1) (x^3 - x^2 + 3 x + 1))^{1/2}}{2 (2 x^2 + 4 x + 1)}$$

Sequence: A105849
Score: 6.69786
Type of gen. func.: ogf

$$-2 f(x)^2 x^3 + f(x)^2 x^2 - 4 f(x) x^2 + 4 f(x) x - f(x) - x + 1$$

Sequence: A105864
Score: 8.5049
Type of gen. func.: ogf

$$f(x)^2 x^3 - f(x)^2 x - f(x) x^2 + f(x) - 1$$

Sequence: A105865
Score: 8.8434
Type of gen. func.: ogf

$$2 f(x)^2 x^3 - f(x)^2 x - 2 f(x) x^2 + f(x) - 1$$

Sequence: A105866
Score: 12.9631
Type of gen. func.: ogf

$$\frac{x}{4 x^4 + 2 x^3 - 5 x^2 - x + 1}$$

Sequence: A105866
Score: 14.1008
Type of gen. func.: lgdogf

$$-\frac{16 x^3 + 6 x^2 - 10 x - 1}{4 x^4 + 2 x^3 - 5 x^2 - x + 1}$$

Sequence: A105866
Score: 5.58571
Type of gen. func.: ogf

$$-(31 f(x) - 13) (4 f(x) x^4 + 2 f(x) x^3 - 5 f(x) x^2 - f(x) x + f(x) - x)$$

Sequence: A105867
Score: 12.4794
Type of gen. func.: lgdogf

$$-\frac{16 x^3 + 6 x^2 - 12 x - 1}{(x - 1) (2 x + 1) (2 x^2 + 2 x - 1)}$$

Sequence: A105867
Score: 13.1928
Type of gen. func.: ogf

$$\frac{x}{(2 x + 1) (x - 1) (2 x^2 + 2 x - 1)}$$

Sequence: A105867
Score: 5.29875
Type of gen. func.: ogf

$$-(19 f(x) - 6) (4 f(x) x^4 + 2 f(x) x^3 - 6 f(x) x^2 - f(x) x + f(x) - x)$$

Sequence: A105870
Score: 5.98718
Type of gen. func.: ogf

$$- x (x^{14} + 6 x^{13} + 2 x^{12} + 4 x^{11} + 5 x^{10} + 6 x^9 + 6 x^8 + 6 x^6 + x^5 + 5 x^4 + 3 x^3 + 2 x^2 + x + 1) / ((x - 1) (x + 1) (x^2 + 1) (x^4 + 1) (x^8 + 1))$$

Sequence: A105872
Score: 4.99901
Type of gen. func.: ogf

$$4 f(x)^2 x^4 - f(x)^2 x^3 + 12 f(x)^2 x^2 - 3 f(x)^2 x - 4 f(x) x^2 + 5 f(x) x - f(x) + 1$$

Sequence: A105899
Score: 11.5795
Type of gen. func.: lgdogf

$$-\frac{3x^8+3x^6+2x^5-2x^4+8x^3+x^2+2x+1}{(x-1)(x^2+x+1)(x^2-x+1)(3x^4+2x^2+1)}$$

Sequence: A105899
Score: 12.2382
Type of gen. func.: ogf

$$-\frac{3x^4+2x^2+1}{(x-1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A105920
Score: 2.15646
Type of gen. func.: ogf

$$(f(x)-1)^2$$

Sequence: A105923
Score: 2.83977
Type of gen. func.: ogf

$$(f(x)-1)(-1536x^6+f(x)-1)$$

Sequence: A105924
Score: 6.1578
Type of gen. func.: ogf

$$(f(x)-1)^2$$

Sequence: A105926
Score: 23.5365
Type of gen. func.: lgdegf]

$$-\frac{2x^2-x+1}{(2x-1)(x-1)}$$

Sequence: A105927
Score: 4.42923
Type of gen. func.: ogf

$$\{(-n^2 - 5 n - 6) a(n + 1) + (-n^2 - 5 n - 6) a(n + 2) + (n + 1) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A105928
Score: 4.51625
Type of gen. func.: ogf

$$\{(-n^2 - 5 n - 6) a(n + 1) + (-n^2 - 5 n - 6) a(n + 2) + n a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6\}$$

Sequence: A105928
Score: 62.5936
Type of gen. func.: lgdegf]

$$-\frac{3 + x}{x - 1}$$

Sequence: A105938
Score: 22.8338
Type of gen. func.: lgdogf

$$-\frac{3 (x^2 - 6 x + 15)}{(x - 1) (x^2 - 5 x + 10)}$$

Sequence: A105938
Score: 3.82025
Type of gen. func.: ogf

$$\{(10 n + 40) a(n + 4) + (-90 - 15 n) a(n + 3) + (30 + 6 n) a(n + 2) + (-n - 4) a(n + 1), a(0) = 10, a(1) = 45, a(2) = 126, a(3) = 280\}$$

Sequence: A105938
Score: 9.88489
Type of gen. func.: ogf

$$-\frac{x^2 - 5x + 10}{(x-1)^5}$$

Sequence: A105939
Score: 5.45047
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (8 + n) a(n + 1), a(0) = 20, a(1) = 140}

Sequence: A105939
Score: 63.3519
Type of gen. func.: lgdogf

$$-\frac{7}{x-1}$$

Sequence: A105939
Score: 7.47692
Type of gen. func.: ogf

$$-\frac{20}{(x-1)^7}$$

Sequence: A105940
Score: 3.67900
Type of gen. func.: ogf

{(2 n + 8) a(n + 4) + (-18 + 3 n) a(n + 3) + (-60 - 3 n) a(n + 2)

+ (-20 - 2 n) a(n + 1), a(0) = 56, a(1) = 756, a(2) = 5292, a(3) = 25872}

Sequence: A105940
Score: 5.23069

Type of gen. func.: ogf

$$-\frac{28 (x + 2) (2 x + 1)}{(x - 1)^{11}}$$

Sequence: A105942
Score: 5.93069
Type of gen. func.: ogf

$$\{(-n^2 - 19 n - 88) a(n + 1) + (n^2 + 7 n + 10) a(n + 2), a(0) = 84, a(1) = 1470\}$$

Sequence: A105943
Score: 5.48719
Type of gen. func.: ogf

$$\{(-n^2 - 21 n - 108) a(n + 1) + (n^2 + 7 n + 10) a(n + 2), a(0) = 120,$$

$$a(1) = 2640\}$$

Sequence: A105944
Score: 5.38102
Type of gen. func.: ogf

$$\{(n^2 + 23 n + 130) a(n + 1) + (-n^2 - 7 n - 10) a(n + 2), a(0) = 165,$$

$$a(1) = 4455\}$$

Sequence: A105946
Score: 13.7141
Type of gen. func.: lgdogf

$$-\frac{12 (5 x^3 + 20 x^2 + 15 x + 2)}{(x - 1) (10 x^3 + 30 x^2 + 15 x + 1)}$$

Sequence: A105946
Score: 5.99800
Type of gen. func.: ogf

$$-\frac{10 x^{3} + 30 x^{2} + 15 x + 1}{(x - 1)^{9}}$$

Sequence: A105946
Score: 6.24182
Type of gen. func.: ogf

$$\{(n^{2} + 12 n + 35) a(n + 1) + (-n^{2} - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 24\}$$

Sequence: A105947
Score: 4.75167
Type of gen. func.: ogf

$$-\frac{15 x^{4} + 80 x^{3} + 90 x^{2} + 24 x + 1}{(x - 1)^{11}}$$

Sequence: A105947
Score: 6.29693
Type of gen. func.: ogf

$$\{(n^{2} + 14 n + 48) a(n + 1) + (-n^{2} - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 35\}$$

Sequence: A105948
Score: 6.07138
Type of gen. func.: ogf

$$\{(n^{2} + 16 n + 63) a(n + 1) + (-n^{2} - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 48\}$$

Sequence: A105948
Score: 8.33983
Type of gen. func.: lgdogf

$$-\frac{24 (7 x^{5} + 70 x^{4} + 175 x^{3} + 140 x^{2} + 35 x + 2)}{{}^{5} \qquad {}^{4} \qquad {}^{3} \qquad {}^{2}}$$

```
              (x - 1) (21 x  + 175 x  + 350 x  + 210 x  + 35 x + 1)



-------------------------------------------------------------------------------

Sequence:  A105951
Score: 4.77877
Type of gen. func.: ogf


                          4           3           2       3                  2
(189 f(x) - 682) (4 f(x) x  + 6 f(x) x  + 4 f(x) x  + 16 x  + 3 f(x) x + 18 x

     + f(x) + 8 x + 3)



-------------------------------------------------------------------------------

Sequence:  A105951
Score: 7.87578
Type of gen. func.: lgdogf


                    6        5        4       3       2
                64 x  + 144 x  + 140 x  + 48 x  - 16 x  - 12 x + 1
            - -------------------------------------------------------
                                    2           3       2
              (2 x + 1) (x + 1) (2 x  + 1) (16 x  + 18 x  + 8 x + 3)



-------------------------------------------------------------------------------

Sequence:  A105951
Score: 8.65018
Type of gen. func.: ogf


                                 3       2
                             16 x  + 18 x  + 8 x + 3
                         - ----------------------------
                                                 2
                           (x + 1) (2 x + 1) (2 x  + 1)



-------------------------------------------------------------------------------

Sequence:  A105953
Score: 5.84829
Type of gen. func.: lgdogf


        10        9        8        7        6        5        4       3
- (100 x   + 120 x  + 150 x  + 120 x  + 125 x  + 144 x  + 100 x  + 48 x

           2               /      6
     + 30 x  + 12 x + 5)  /  ((5 x  - 1)
                         /

         6       5       4       3      2
    (19 x  + 20 x  + 12 x  + 10 x  + 6 x  + 5 x + 1))



-------------------------------------------------------------------------------

Sequence:  A105953
Score: 9.26014
```

Type of gen. func.: ogf

$$-\frac{19x^6+20x^5+12x^4+10x^3+6x^2+5x+1}{5x^6-1}$$

Sequence: A105955
Score: 9.14062
Type of gen. func.: ogf

$$-\frac{x(x^8+10x^7+2x^6+8x^5+5x^4+3x^3+2x^2+x+1)}{(x-1)(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)}$$

Sequence: A105960
Score: 11.0331
Type of gen. func.: lgdogf

$$\frac{527x^{32}-544x^{31}+84x^{13}-91x^{12}+9x^4-12x^3-2}{(x-1)(17x^{32}+7x^{13}+3x^4+x+1)}$$

Sequence: A105960
Score: 14.7515
Type of gen. func.: ogf

$$-\frac{17x^{32}+7x^{13}+3x^4+x+1}{x-1}$$

Sequence: A105963
Score: 15.0406
Type of gen. func.: ogf

$$-\frac{1+4x}{3x^2+x-1}$$

Sequence: A105963
Score: 16.5840
Type of gen. func.: revogf

$$\frac{-x - 1 + (13 x^{2} + 18 x + 1)^{1/2}}{2 (4 + 3 x)}$$

Sequence: A105963
Score: 18.9531
Type of gen. func.: lgdogf

$$- \frac{12 x^{2} + 6 x + 5}{(1 + 4 x) (3 x^{2} + x - 1)}$$

Sequence: A105963
Score: 7.77961
Type of gen. func.: ogf

$$(11 f(x) + 14) (3 f(x) x^{2} + f(x) x - f(x) + 4 x + 1)$$

Sequence: A105963
Score: 8.25399
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - 3 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A105964
Score: 10.6109
Type of gen. func.: ogf

$$\frac{x (x^{7} - x^{6} + x^{3} + 1)}{(x - 1)^{2} (x + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2}}$$

Sequence: A105964
Score: 10.8372
Type of gen. func.: lgdogf

$$-\frac{x^2 (5 x^{10} - 6 x^9 + 9 x^6 + 7 x^4 + 6 x^3 + 3)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^7 - x^6 + x^3 + 1)}$$

Sequence: A105966
Score: 5.93372
Type of gen. func.: ogf

$$(x^{15} - x^{10} - x^9 - x^8 - 2 x^5 - x^4 - 1) / ((x - 1) (x + 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^8 - x^7 + x^5 - x^4 + x^3 - x + 1))$$

Sequence: A105968
Score: 11.2997
Type of gen. func.: lgdogf

$$-\frac{2 (x^4 - x^3 + 3 x^2 + x + 2)}{(x - 1) (2 x + 1) (x + 1) (x^2 - 4 x + 1)}$$

Sequence: A105968
Score: 12.1244
Type of gen. func.: ogf

$$-\frac{(2 x + 1) (x - 1)}{(x + 1) (x^2 - 4 x + 1)}$$

Sequence: A105968
Score: 6.32126
Type of gen. func.: ogf

$$(2998 f(x) - 1293) (f(x) x^3 - 3 f(x) x^2 - 3 f(x) x + 2 x^2 + f(x) - x - 1)$$

Sequence: A105968
Score: 6.54504
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 1, a(1) = 4, a(2) = 13\}$$

Sequence: A106006
Score: 7.01186
Type of gen. func.: ogf

$$\frac{x^2 (3 x^6 + 6 x^5 + 7 x^4 + 6 x^3 + 5 x^2 + 3 x + 1)}{(x + 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A106053
Score: 4.22852
Type of gen. func.: ogf

$$f(x)^2 x^4 + 2 f(x)^2 x^3 + f(x) x^4 - 5 f(x)^2 x^2 + 2 f(x) x^3 - 2 f(x)^2 x - 5 f(x) x^2 + f(x)^2 - 2 f(x) x - x^2 + f(x)$$

Sequence: A106058
Score: 10.7004
Type of gen. func.: ogf

$$- \frac{x^3 (2 x^2 - x - 2)}{(x - 1)^4}$$

Sequence: A106058
Score: 26.4543
Type of gen. func.: lgdogf

$$- \frac{4 x^2 + x - 9}{(x - 1) (2 x^2 - x - 2)}$$

Sequence: A106058
Score: 4.24707
Type of gen. func.: ogf

$$\{(2996 n^2 - 322 n) a(n + 1) + (-7179 n^2 - 2946 n - 7380) a(n + 2) + (4183 n^2 - 293 n) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 2\}$$

Sequence: A106058
Score: 6.38707
Type of gen. func.: ogf

$$f(x) (f(x) x^4 + 2 x^5 - 4 f(x) x^3 - x^4 + 6 f(x) x^2 - 2 x^3 - 4 f(x) x + f(x))$$

Sequence: A106113
Score: 14.6046
Type of gen. func.: lgdogf

$$- \frac{x^4 - 2 x^3 - 12 x^2 + 10 x + 8}{(x - 1) (x^4 - 3 x^3 - x^2 + 3 x + 1)}$$

Sequence: A106113
Score: 7.69307
Type of gen. func.: ogf

$$- \frac{x^3 (x^4 - 3 x^3 - x^2 + 3 x + 1)}{(x - 1)^5}$$

Sequence: A106150
Score: 14.9361
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^4 - 16 x^2 + 5 x + 11)}{(x - 1) (3 x^2 - x - 3) (x^2 - x - 1)}$$

Sequence: A106150
Score: 6.93460
Type of gen. func.: ogf

$$\frac{x^4 (3 x^2 - x - 3) (x^2 - x - 1)}{(x - 1)^6}$$

Sequence: A106157
Score: 11.3379
Type of gen. func.: lgdogf

$$-\frac{2 x^6 - 4 x^5 - 5 x^4 - 12 x^3 + 12 x^2 - 1}{(x - 1) (2 x - 1) (x + 1) (x^4 - x^3 - 2 x^2 - x + 1)}$$

Sequence: A106157
Score: 4.43563
Type of gen. func.: ogf

$\{(2 n + 8) a(n + 1) + (-n - 4) a(n + 2) + (-2 n - 4) a(n + 3)$

$+ (n + 2) a(n + 4), a(0) = -1, a(1) = -1, a(2) = -2, a(3) = -1\}$

Sequence: A106157
Score: 9.34822
Type of gen. func.: ogf

$$\frac{x^4 - x^3 - 2 x^2 - x + 1}{(2 x - 1) (x + 1)^2 (x - 1)^2}$$

Sequence: A106173
Score: 5.63719
Type of gen. func.: ogf

$$\frac{x^4 (x^6 - 6 x^5 + 2 x^4 + 11 x^3 - 2 x^2 - 6 x - 1)}{(x - 1)^7}$$

Sequence: A106173
Score: 9.21847
Type of gen. func.: lgdogf

$$-\frac{x^6 - 6 x^5 - 24 x^4 + 52 x^3 + 23 x^2 - 40 x - 13}{(x - 1) (x^6 - 6 x^5 + 2 x^4 + 11 x^3 - 2 x^2 - 6 x - 1)}$$

Sequence: A106174
Score: 4.95774
Type of gen. func.: ogf

$$\{a(n + 1) + (-2 n - 6) a(n + 2) + a(n + 3), a(0) = 0, a(1) = 1, a(2) = 4\}$$

Sequence: A106181
Score: 11.0187
Type of gen. func.: ogf

$$-f(x)^2 x^2 - 2 f(x) x^2 - f(x) x - f(x) + x$$

Sequence: A106181
Score: 4.07905
Type of gen. func.: ogf

$$\{(-8 n^2 - 8 n) a(n) + (12 n^2 + 48 n + 36) a(n + 1) + (-2 n^2 - 8 n + 6) a(n + 2)$$
$$+ (3 n^2 + 21 n + 30) a(n + 3), a(0) = 0, a(1) = 1, a(2) = -1\}$$

Sequence: A106183
Score: 15.0464
Type of gen. func.: lgdogf

$$-\frac{2 (12 x^2 - 2 x - 1)}{(2 x + 1) (2 x - 1) (-1 + 4 x)}$$

Sequence: A106183

Score: 3.28294
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (14 + 4 n) a(n + 3) + (4 n + 12) a(n + 2) + (-40 - 16 n) a(n + 1), a(0) = 1, a(1) = 2, a(2) = 8, a(3) = 24\}$$

Sequence: A106183
Score: 8.04719
Type of gen. func.: ogf

$$16 f(x)^2 x^3 - 4 f(x)^2 x^2 - 4 f(x)^2 x + f(x)^2 - 1$$

Sequence: A106184
Score: 16.3197
Type of gen. func.: lgdogf

$$-\frac{2 (24 x^2 - 4 x - 1)}{(-1 + 4 x) (8 x^2 - 1)}$$

Sequence: A106184
Score: 7.51881
Type of gen. func.: ogf

$$32 f(x)^2 x^3 - 8 f(x)^2 x^2 - 4 f(x)^2 x + f(x)^2 - 1$$

Sequence: A106185
Score: 16.1411
Type of gen. func.: lgdogf

$$-\frac{2 (36 x^2 - 6 x - 1)}{(-1 + 4 x) (12 x^2 - 1)}$$

Sequence: A106185
Score: 7.54309
Type of gen. func.: ogf

$$48 f(x)^2 x^3 - 12 f(x)^2 x^2 - 4 f(x)^2 x + f(x)^2 - 1$$

Sequence: A106186
Score: 17.7038
Type of gen. func.: lgdogf

$$-\frac{2 (12 x^2 - 2 x + 1)}{(-1 + 4 x) (4 x^2 + 1)}$$

Sequence: A106186
Score: 3.23490
Type of gen. func.: ogf

$\{(-n - 4) a(n + 4) + (14 + 4 n) a(n + 3) + (-12 - 4 n) a(n + 2)$

$+ (16 n + 40) a(n + 1), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 16\}$

Sequence: A106186
Score: 7.92943
Type of gen. func.: ogf

$$-16 f(x)^2 x^3 + 4 f(x)^2 x^2 - 4 f(x)^2 x + f(x)^2 - 1$$

Sequence: A106188
Score: 17.8827
Type of gen. func.: lgdogf

$$-\frac{2 (5 x^2 - x - 1)}{(x - 1) (-1 + 4 x) (x + 1)}$$

Sequence: A106188
Score: 3.29976
Type of gen. func.: ogf

$\{(-n - 4) a(n + 4) + (14 + 4 n) a(n + 3) + (n + 4) a(n + 2)$

$+ (-14 - 4 n) a(n + 1), a(0) = 1, a(1) = 2, a(2) = 7, a(3) = 22\}$

Sequence: A106189
Score: 17.4863
Type of gen. func.: lgdogf

$$-\frac{2\,(10\,x^2-2\,x-1)}{(-1+4\,x)\,(2\,x^2-1)}$$

Sequence: A106189
Score: 3.31593
Type of gen. func.: ogf

$$\{(-n-4)\,a(n+4)+(14+4\,n)\,a(n+3)+(2\,n+8)\,a(n+2)$$
$$+(-28-8\,n)\,a(n+1),\ a(0)=1,\ a(1)=2,\ a(2)=8,\ a(3)=24\}$$

Sequence: A106191
Score: 10.1335
Type of gen. func.: ogf

$$f(x)^2\,x^2-2\,f(x)^2\,x+f(x)^2+4\,x-1$$

Sequence: A106191
Score: 32.6718
Type of gen. func.: lgdogf

$$-\frac{2\,x+1}{(-1+4\,x)\,(x-1)}$$

Sequence: A106191
Score: 4.52629
Type of gen. func.: ogf

$$\{(n+3)\,a(n+3)+(-9-5\,n)\,a(n+2)+(6+4\,n)\,a(n+1),\ a(0)=1,$$
$$a(1)=-1,\ a(2)=-3\}$$

Sequence: A106192
Score: 10.0351

Type of gen. func.: ogf

$$f(x)^2 x^4 - 2 f(x)^2 x^2 + f(x)^2 + 4 x - 1$$

Sequence: A106192
Score: 21.2817
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^2 - x + 1)}{(x - 1) (-1 + 4 x) (x + 1)}$$

Sequence: A106192
Score: 3.39571
Type of gen. func.: ogf

{(n + 4) a(n + 4) + (-10 - 4 n) a(n + 3) + (-n - 4) a(n + 2)

+ (10 + 4 n) a(n + 1), a(0) = 1, a(1) = -2, a(2) = -1, a(3) = -6}

Sequence: A106193
Score: 10.0843
Type of gen. func.: ogf

$$-4 f(x)^2 x^4 + 4 f(x)^2 x^2 - f(x)^2 - 4 x + 1$$

Sequence: A106193
Score: 21.3759
Type of gen. func.: lgdogf

$$- \frac{2 (6 x^2 - 2 x + 1)}{(-1 + 4 x) (2 x^2 - 1)}$$

Sequence: A106193
Score: 3.42968
Type of gen. func.: ogf

{(-n - 4) a(n + 4) + (10 + 4 n) a(n + 3) + (2 n + 8) a(n + 2)

$$+ (-20 - 8 n) a(n + 1), a(0) = 1, a(1) = -2, a(2) = 0, a(3) = -8\}$$

Sequence: A106201
Score: 11.6088
Type of gen. func.: ogf

$$-4 f(x) x^{4} - f(x) x^{2} + 2 f(x) x - x^{2} - f(x) + x$$

Sequence: A106201
Score: 17.3113
Type of gen. func.: ogf

$$- \frac{x (x - 1)}{4 x^{4} + x^{2} - 2 x + 1}$$

Sequence: A106201
Score: 20.1978
Type of gen. func.: lgdogf

$$- \frac{(3 x - 1) (4 x^{3} - 4 x^{2} - x - 1)}{(x - 1) (4 x^{4} + x^{2} - 2 x + 1)}$$

Sequence: A106202
Score: 11.9052
Type of gen. func.: ogf

$$4 f(x) x^{4} + f(x) x^{2} - 2 x^{3} - 2 f(x) x + f(x)$$

Sequence: A106202
Score: 21.4293
Type of gen. func.: ogf

$$\frac{2 x^{3}}{4 x^{4} + x^{2} - 2 x + 1}$$

Sequence: A106202
Score: 31.0340
Type of gen. func.: lgdogf

$$-\frac{2(8x^3+x-1)}{4x^4+x^2-2x+1}$$

Sequence: A106202
Score: 7.96958
Type of gen. func.: ogf

{a(n + 4) - 2 a(n + 3) + a(n + 2) + 4 a(n), a(0) = 0, a(1) = 0, a(2) = 0,

a(3) = 2}

Sequence: A106206
Score: 25.1969
Type of gen. func.: lgdogf

$$-6 + (1 + 144x) f(x)$$

Sequence: A106206
Score: 3.91868
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (-138 - 144 n) a(n + 1), a(0) = 1, a(1) = 6}

Sequence: A106228
Score: 14.4950
Type of gen. func.: revogf

$$\frac{(1 + x + (-(x+1)(3x-1))^{1/2})\,x}{2(x+1)}$$

Sequence: A106228
Score: 9.4781
Type of gen. func.: ogf

$$f(x)^3 x - f(x)^2 x + f(x) x - f(x) + 1$$

Sequence: A106230
Score: 10.5015
Type of gen. func.: ogf

$$\frac{8 x^4 - 20 x^3 + 12 x^2 + x - 3}{(x - 1)^3}$$

Sequence: A106230
Score: 12.9189
Type of gen. func.: lgdogf

$$\frac{2 (4 x^4 - 16 x^3 + 24 x^2 - 13 x + 4)}{(x - 1) (8 x^4 - 20 x^3 + 12 x^2 + x - 3)}$$

Sequence: A106230
Score: 5.72149
Type of gen. func.: ogf

$$\{-a(n + 5) + 3 a(n + 4) - 3 a(n + 3) + a(n + 2), a(0) = 3, a(1) = 8, a(2) = 3,$$
$$a(3) = 8, a(4) = 15\}$$

Sequence: A106230
Score: 6.19116
Type of gen. func.: ogf

$$(347 f(x) - 8281)$$

$$(f(x) x^3 - 8 x^4 - 3 f(x) x^2 + 20 x^3 + 3 f(x) x - 12 x^2 - f(x) - x + 3)$$

Sequence: A106231
Score: 13.1940
Type of gen. func.: lgdogf

3 2

$$- \frac{x + 17 x + 59 x + 19}{(x - 1) (10 x^4 - 39 x^3 + 67 x^2 - 25 x + 11)}$$

Sequence: A106231
Score: 4.95621
Type of gen. func.: ogf

$$(-395723 + 452196 f(x)) (f(x) x^4 - 4 f(x) x^3 - 10 x^4 + 6 f(x) x^2 + 39 x^3 - 4 f(x) x - 67 x^2 + f(x) + 25 x - 11)$$

Sequence: A106231
Score: 8.81106
Type of gen. func.: ogf

$$\frac{10 x^4 - 39 x^3 + 67 x^2 - 25 x + 11}{(x - 1)^4}$$

Sequence: A106232
Score: 11.7242
Type of gen. func.: ogf

$$\frac{4 (x^3 - 3 x^2 + 2 x - 1)}{(x - 1)^3}$$

Sequence: A106232
Score: 25.1628
Type of gen. func.: lgdogf

$$\frac{2 x + 1}{(x - 1) (x^3 - 3 x^2 + 2 x - 1)}$$

Sequence: A106232
Score: 6.12458
Type of gen. func.: ogf

$\{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 4, a(1) = 4, a(2) = 12, a(3) = 24\}$

Sequence: A106232
Score: 8.37443
Type of gen. func.: ogf

$$f(x) x^{3} - 3 f(x) x^{2} - 4 x^{3} + 3 f(x) x + 12 x^{2} - f(x) - 8 x + 4$$

Sequence: A106233
Score: 11.2084
Type of gen. func.: lgdogf

$$- \frac{9 x^{4} - 24 x^{3} + 25 x^{2} - 14 x + 3}{(x - 1) (x^{2} - x + 1) (3 x^{2} - 3 x + 1)}$$

Sequence: A106233
Score: 5.84425
Type of gen. func.: ogf

$$(23 f(x) - 4) (3 f(x) x^{4} - 6 f(x) x^{3} + 7 f(x) x^{2} - 4 f(x) x + x^{2} + f(x) - x)$$

Sequence: A106233
Score: 9.24391
Type of gen. func.: ogf

$$- \frac{x (x - 1)}{(x^{2} - x + 1) (3 x^{2} - 3 x + 1)}$$

Sequence: A106247
Score: 10.9655
Type of gen. func.: ogf

$$- \frac{(x^{2} - x - 1)^{2}}{}$$

$$(x - 1)^3 (x + 1)^3$$

Sequence: A106247
Score: 21.2548
Type of gen. func.: lgdogf

$$- \frac{2 (x^3 - 2 x^2 - x - 1)}{(x - 1) (x + 1) (x^2 - x - 1)}$$

Sequence: A106248
Score: 13.7048
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-6 x^3 - 6 x^2 - 6 x - 6}{x^5 - 1}$$

Sequence: A106249
Score: 13.2432
Type of gen. func.: ogf

$$\frac{x^3 + x^2 - x + 1}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A106249
Score: 13.6484
Type of gen. func.: lgdogf

$$- \frac{2 x (x^5 + 2 x^4 - x^3 + 3 x^2 + 2 x + 1)}{(x - 1) (x + 1) (x^2 + 1) (x^3 + x^2 - x + 1)}$$

Sequence: A106250
Score: 11.5278
Type of gen. func.: lgdogf

$$-\frac{x\,(3\,x^6+5\,x^5-3\,x^4+7\,x^3+2\,x^2+4\,x+2)}{(x-1)\,(x^3+x^2-x+1)\,(x^4+x^3+x^2+x+1)}$$

Sequence: A106250
Score: 13.2203
Type of gen. func.: ogf

$$\frac{x^3+x^2-x+1}{(x^4+x^3+x^2+x+1)\,(x-1)^2}$$

Sequence: A106251
Score: 11.8673
Type of gen. func.: ogf

$$\frac{x^5+x^3+x^2-x+1}{(x+1)\,(x^2+x+1)\,(x^2-x+1)\,(x-1)^2}$$

Sequence: A106251
Score: 8.49804
Type of gen. func.: lgdogf

$$-\frac{x\,(2\,x^9+x^8+5\,x^7+7\,x^6-3\,x^5+9\,x^4+7\,x^3+2\,x^2+4\,x+2)}{(x-1)\,(x+1)\,(x^2+x+1)\,(x^2-x+1)\,(x^5+x^3+x^2-x+1)}$$

Sequence: A106252
Score: 10.2891
Type of gen. func.: lgdogf

$$-\frac{6\,x^6+18\,x^5+30\,x^4+34\,x^3+28\,x^2+13\,x+3}{(x-1)\,(x+1)\,(x^2+x+1)\,(3\,x^3+4\,x^2+3\,x+1)}$$

Sequence: A106252
Score: 12.2109
Type of gen. func.: ogf

$$\frac{3x^3+4x^2+3x+1}{(x^2+x+1)(x+1)(x-1)^2}$$

Sequence: A106253
Score: 12.3124
Type of gen. func.: lgdogf

$$-\frac{x^6+8x^5+16x^4+18x^3+13x^2+8x+2}{(x-1)(x+1)(x^2+x+1)(x^3+4x^2+4x+2)}$$

Sequence: A106253
Score: 14.3666
Type of gen. func.: ogf

$$-\frac{x^3+4x^2+4x+2}{(x-1)(x+1)(x^2+x+1)}$$

Sequence: A106253
Score: 7.99430
Type of gen. func.: ogf

{a(n + 4) + a(n + 3) - a(n + 1) - a(n), a(0) = 2, a(1) = 2, a(2) = 2, a(3) = 1}

Sequence: A106253
Score: 8.0593
Type of gen. func.: ogf

$$(141 f(x) - 247) (f(x) x^4 + f(x) x^3 + x^3 - f(x) x + 4 x^2 - f(x) + 4 x + 2)$$

Sequence: A106256
Score: 10.7608
Type of gen. func.: lgdogf

$$-\frac{x^4 + 4x^3 + 14x^2 - 28x - 3}{(x+1)(x^2 - 4x + 1)(x^2 + 4x + 1)}$$

Sequence: A106256
Score: 5.69161
Type of gen. func.: ogf

$$-(1014 f(x) - 77)(f(x) x^4 - 14 f(x) x^2 - x^3 - 3x^2 + f(x) - 3x - 1)$$

Sequence: A106256
Score: 9.48600
Type of gen. func.: ogf

$$\frac{(x+1)^3}{(x^2 - 4x + 1)(x^2 + 4x + 1)}$$

Sequence: A106257
Score: 5.53655
Type of gen. func.: ogf

$$(40560 f(x) - 5621)(f(x) x^4 - 14 f(x) x^2 + 5x^3 + 11x^2 + f(x) - 11x - 5)$$

Sequence: A106257
Score: 6.61554
Type of gen. func.: lgdogf

$$-\frac{5x^6 + 22x^5 + 37x^4 - 20x^3 + 139x^2 + 118x + 11}{(x-1)(x^2 + 4x + 1)(5x^2 + 16x + 5)(x^2 - 4x + 1)}$$

Sequence: A106257
Score: 9.03759
Type of gen. func.: ogf

$$-\frac{(x - 1) (5 x^2 + 16 x + 5)}{(x^2 - 4 x + 1) (x^2 + 4 x + 1)}$$

Sequence: A106258
Score: 24.5900
Type of gen. func.: lgdogf

$$-\frac{4 (2 x + 1)}{8 x^2 + 8 x - 1}$$

Sequence: A106258
Score: 3.93557
Type of gen. func.: ogf

$\{(n + 3) a(n + 3) + (-20 - 8 n) a(n + 2) + (-8 n - 16) a(n + 1), a(0) = 1,$

$a(1) = 4, a(2) = 28\}$

Sequence: A106258
Score: 9.55781
Type of gen. func.: ogf

$$8 f(x)^2 x^2 + 8 f(x)^2 x - f(x)^2 + 1$$

Sequence: A106259
Score: 3.50574
Type of gen. func.: ogf

$\{(n + 3) a(n + 3) + (-30 - 12 n) a(n + 2) + (-12 n - 24) a(n + 1), a(0) = 1,$

$a(1) = 6, a(2) = 60\}$

Sequence: A106259
Score: 8.35984
Type of gen. func.: ogf

$$-12 f(x)^2 x^2 - 12 f(x)^2 x + f(x)^2 - 1$$

Sequence: A106260
Score: 14.2448
Type of gen. func.: revogf

$$\frac{(-8 x + (80 x^2 + 1)^{1/2}) x}{16 x^2 + 1}$$

Sequence: A106260
Score: 19.7235
Type of gen. func.: lgdogf

$$- \frac{8 (2 x + 1)}{16 x^2 + 16 x - 1}$$

Sequence: A106260
Score: 3.35990
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-40 - 16 n) a(n + 2) + (-16 n - 32) a(n + 1), a(0) = 1,

a(1) = 8, a(2) = 104}

Sequence: A106260
Score: 8.06376
Type of gen. func.: ogf

$$-16 f(x)^2 x^2 - 16 f(x)^2 x + f(x)^2 - 1$$

Sequence: A106261
Score: 14.4643
Type of gen. func.: revogf

$$\frac{(-10 x + (120 x^2 + 1)^{1/2}) x}{20 x^2 + 1}$$

Sequence: A106261
Score: 20.3571
Type of gen. func.: lgdogf

$$-\frac{10 (2 x + 1)}{20 x^2 + 20 x - 1}$$

Sequence: A106261
Score: 3.57310
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-50 - 20 n) a(n + 2) + (-20 n - 40) a(n + 1), a(0) = 1, a(1) = 10, a(2) = 160\}$$

Sequence: A106261
Score: 8.6304
Type of gen. func.: ogf

$$-20 f(x)^2 x^2 - 20 f(x)^2 x + f(x)^2 - 1$$

Sequence: A106271
Score: 16.2688
Type of gen. func.: revogf

$$-\frac{-1 - 5 x - 2 x^2 + (-3 x^2 - 6 x + 1)^{1/2}}{2 (x + 2)^2}$$

Sequence: A106271
Score: 5.9156
Type of gen. func.: ogf

$$-f(x)^2 x^3 + 2 f(x)^2 x^2 - f(x)^2 x - 4 f(x) x^2 + 5 f(x) x - f(x) - 4 x + 1$$

Sequence: A106318
Score: 5.27863
Type of gen. func.: ogf

$$-\frac{2 (x + 1) (x^4 + 56 x^3 + 246 x^2 + 56 x + 1)}{(x - 1)^7}$$

Sequence: A106318
Score: 8.24581
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 + 88 x^4 + 718 x^3 + 1208 x^2 + 473 x + 32)}{(x - 1) (x + 1) (x^4 + 56 x^3 + 246 x^2 + 56 x + 1)}$$

Sequence: A106328
Score: 13.1431
Type of gen. func.: ogf

$$-f(x) x^2 + 6 f(x) x - f(x) + 3 x$$

Sequence: A106328
Score: 14.6645
Type of gen. func.: revogf

$$-\frac{-3 - 6 x + (4 x + 3)^{1/2} (8 x + 3)^{1/2}}{2 x}$$

Sequence: A106328
Score: 20.9579
Type of gen. func.: ogf

$$\frac{3 x}{x^2 - 6 x + 1}$$

Sequence: A106328
Score: 31.5286
Type of gen. func.: lgdogf

$$-\frac{2(x-3)}{x^2-6x+1}$$

Sequence: A106328
Score: 9.57338
Type of gen. func.: ogf

$$\{a(n+2)-6a(n+1)+a(n), a(0)=0, a(1)=3\}$$

Sequence: A106329
Score: 16.4439
Type of gen. func.: ogf

$$-\frac{3(3x-1)}{x^2-6x+1}$$

Sequence: A106329
Score: 20.2065
Type of gen. func.: revogf

$$-\frac{-3-6x+(32x^2+9)^{1/2}}{2(x+9)}$$

Sequence: A106329
Score: 20.7838
Type of gen. func.: lgdogf

$$-\frac{3x^2-2x+3}{(3x-1)(x^2-6x+1)}$$

Sequence: A106329
Score: 7.95674
Type of gen. func.: ogf

$$-(280 f(x)-597)(f(x) x^2-6 f(x) x+f(x)+9x-3)$$

Sequence: A106329
Score: 9.02410
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + a(n), a(0) = 3, a(1) = 9\}$$

Sequence: A106330
Score: 6.30651
Type of gen. func.: lgdogf

$$- (7 x^{10} + 22 x^{9} + 75 x^{8} + 96 x^{7} + 75 x^{6} - 30 x^{5} + 75 x^{4} + 96 x^{3} + 75 x^{2} + 22 x + 7) / ((7 x^{5} + 11 x^{4} + 25 x^{3} - 11 x^{2} - 7 x - 5) (x^{6} - 10 x^{3} + 1))$$

Sequence: A106330
Score: 9.21479
Type of gen. func.: ogf

$$- \frac{7 x^{5} + 11 x^{4} + 25 x^{3} - 11 x^{2} - 7 x - 5}{x^{6} - 10 x^{3} + 1}$$

Sequence: A106331
Score: 6.66398
Type of gen. func.: lgdogf

$$- \frac{2 (x^{9} + 3 x^{8} + 10 x^{7} + 10 x^{6} + 3 x^{5} - 25 x^{4} - 22 x^{3} - 18 x^{2} - 5 x - 1)}{(x^{4} + 2 x^{3} + 5 x^{2} + 2 x + 1) (x^{6} - 10 x^{3} + 1)}$$

Sequence: A106331
Score: 8.76108
Type of gen. func.: ogf

$$\frac{x (x^{4} + 2 x^{3} + 5 x^{2} + 2 x + 1)}{x^{6} - 10 x^{3} + 1}$$

Sequence: A106336
Score: 5.92395
Type of gen. func.: revogf

$$x (x - 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^7 - x^3 - 1) / ((x + 1) (x^{14} - x^{11} - x^{10} - 2 x^9 - 2 x^8 - x^7 + x^5 + x^4 + 2 x^3 + x^2 + x + 1))$$

Sequence: A106352
Score: 10.6734
Type of gen. func.: ogf

$$- \frac{4 x^2 + x + 1}{(x^2 + x + 1) (x + 1) (x - 1)^3}$$

Sequence: A106352
Score: 11.3517
Type of gen. func.: lgdogf

$$- \frac{16 x^5 + 25 x^4 + 28 x^3 + 23 x^2 + 14 x + 2}{(x - 1) (x + 1) (x^2 + x + 1) (4 x^2 + x + 1)}$$

Sequence: A106353
Score: 6.26563
Type of gen. func.: lgdogf

$$- \frac{24 x^9 + 42 x^8 + 80 x^7 + 99 x^6 + 114 x^5 + 95 x^4 + 72 x^3 + 33 x^2 + 14 x + 3}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1) (4 x^4 + 2 x^3 + 3 x^2 + 2 x + 1)}$$

Sequence: A106353
Score: 7.64258
Type of gen. func.: ogf

$$\frac{2\,(4\,x^4 + 2\,x^3 + 3\,x^2 + 2\,x + 1)}{(x^2 + 1)\,(x^2 + x + 1)\,(x + 1)^2\,(x - 1)^4}$$

Sequence: A106354
Score: 4.17004
Type of gen. func.: ogf

$$-\frac{16\,x^8 + 12\,x^7 + 21\,x^6 + 22\,x^5 + 23\,x^4 + 12\,x^3 + 11\,x^2 + 2\,x + 1}{(x^2 + x + 1)\,(x^4 + x^3 + x^2 + x + 1)\,(x^2 + 1)\,(x + 1)^2\,(x - 1)^5}$$

Sequence: A106387
Score: 13.6598
Type of gen. func.: ogf

$$\frac{5\,x^2 + 2\,x + 4}{(x + 1)\,(x - 1)^2}$$

Sequence: A106387
Score: 17.3861
Type of gen. func.: lgdogf

$$-\frac{5\,x^3 + 9\,x^2 + 24\,x + 6}{(x - 1)\,(x + 1)\,(5\,x^2 + 2\,x + 4)}$$

Sequence: A106387
Score: 7.06142
Type of gen. func.: ogf

$$(3047\,f(x) + 45007)\,(f(x)\,x^3 - f(x)\,x^2 - f(x)\,x - 5\,x^2 + f(x) - 2\,x - 4)$$

Sequence: A106387
Score: 7.37387
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 4, a(1) = 6, a(2) = 15}

Sequence: A106388
Score: 8.42883
Type of gen. func.: ogf

$$-\frac{11 x^4 + 12 x^3 + 86 x^2 + 12 x + 11}{(x + 1)^2 (x - 1)^3}$$

Sequence: A106388
Score: 9.54205
Type of gen. func.: lgdogf

$$-\frac{11 x^5 + 35 x^4 + 314 x^3 + 170 x^2 + 239 x + 23}{(x - 1) (x + 1) (11 x^4 + 12 x^3 + 86 x^2 + 12 x + 11)}$$

Sequence: A106389
Score: 13.3793
Type of gen. func.: ogf

$$\frac{2 x^2 + 10 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A106389
Score: 16.2698
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 22 x^2 + 17 x + 11}{(x - 1) (x + 1) (2 x^2 + 10 x + 1)}$$

Sequence: A106389
Score: 6.85552
Type of gen. func.: ogf

$$(10855 f(x) + 163089) (f(x) x^3 - f(x) x^2 - f(x) x - 2 x^2 + f(x) - 10 x - 1)$$

Sequence: A106389
Score: 7.27646
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 11, a(2) = 14\}$$

Sequence: A106390
Score: 8.03100
Type of gen. func.: ogf

$$- \frac{x^4 + 60 x^3 + 34 x^2 + 60 x + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A106390
Score: 9.69513
Type of gen. func.: lgdogf

$$- \frac{x^5 + 121 x^4 + 166 x^3 + 454 x^2 + 133 x + 61}{(x - 1) (x + 1) (x^4 + 60 x^3 + 34 x^2 + 60 x + 1)}$$

Sequence: A106392
Score: 23.3254
Type of gen. func.: ogf

$$\frac{1}{10 x^2 - 6 x + 1}$$

Sequence: A106392
Score: 30.1132
Type of gen. func.: lgdogf

$$- \frac{2 (-3 + 10 x)}{{}^{2}}$$

$$10 x - 6 x + 1$$

Sequence: A106392
Score: 9.55499
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A106392
Score: 9.67152
Type of gen. func.: ogf

$$(4 f(x) + 5) (10 f(x) x^2 - 6 f(x) x + f(x) - 1)$$

Sequence: A106393
Score: 22.0588
Type of gen. func.: ogf

$$\frac{1}{17 x^2 - 8 x + 1}$$

Sequence: A106393
Score: 28.8507
Type of gen. func.: lgdogf

$$- \frac{2 (-4 + 17 x)}{17 x^2 - 8 x + 1}$$

Sequence: A106393
Score: 8.92855
Type of gen. func.: ogf

$$(15 f(x) + 17) (17 f(x) x^2 - 8 f(x) x + f(x) - 1)$$

Sequence: A106393
Score: 9.03613

Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 17 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A106401
Score: 6.55989
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4 x^8 - 3 x^7 - 3 x^6 - x^5 - 3 x^4 - 3 x^3 - x^2 - 3 x - 3}{x^9 - 1}$$

Sequence: A106402
Score: 18.4300
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-6 x - 3}{x^2 + x + 1}$$

Sequence: A106406
Score: 3.72196
Type of gen. func.: ogf_with_Euler_transform]

$$-(-2 x^{14} - 2 x^{13} - 2 x^{12} - x^{11} - 2 x^{10} - x^9 - x^8 - 2 x^7 - 2 x^6 - x^5 - x^4 - 2 x^3 - x^2 - 2 x - 2) / (x^{15} - 1)$$

Sequence: A106434
Score: 12.7365
Type of gen. func.: ogf

$$-2 f(x) x^2 - 3 f(x) x + f(x) - 2 x$$

Sequence: A106434
Score: 20.3095
Type of gen. func.: ogf

$$-\frac{2\,x}{2\,x^{2}+3\,x-1}$$

Sequence: A106434
Score: 20.5990
Type of gen. func.: revogf

$$\frac{-3\,x-2+(17\,x^{2}+12\,x+4)^{1/2}}{4\,x}$$

Sequence: A106434
Score: 33.7075
Type of gen. func.: lgdogf

$$-\frac{4\,x+3}{2\,x^{2}+3\,x-1}$$

Sequence: A106434
Score: 9.27719
Type of gen. func.: ogf

$$\{-a(n+2)+3\,a(n+1)+2\,a(n),\ a(0)=0,\ a(1)=2\}$$

Sequence: A106435
Score: 10.4499
Type of gen. func.: ogf

$$-3\,f(x)\,x^{2}-3\,f(x)\,x+f(x)-3\,x$$

Sequence: A106435
Score: 14.4526
Type of gen. func.: revogf

$$\frac{-3\,x-3+(7\,x^{2}+6\,x+3)^{1/2}\,3^{1/2}}{6\,x}$$

Sequence: A106435
Score: 16.6633
Type of gen. func.: ogf

$$-\frac{3 x}{3 x^2 + 3 x - 1}$$

Sequence: A106435
Score: 25.2920
Type of gen. func.: lgdogf

$$-\frac{3 (2 x + 1)}{3 x^2 + 3 x - 1}$$

Sequence: A106435
Score: 7.61163
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) + 3 a(n), a(0) = 0, a(1) = 3\}$$

Sequence: A106438
Score: 10.1252
Type of gen. func.: ogf

$$\frac{x (2 x^2 + 5 x - 2)}{(x^2 - 3 x + 1) (x^2 + 3 x - 1)}$$

Sequence: A106438
Score: 5.57742
Type of gen. func.: ogf

$$(205 f(x) + 33) (f(x) x^4 - 9 f(x) x^2 - 2 x^3 + 6 f(x) x - 5 x^2 - f(x) + 2 x)$$

Sequence: A106438
Score: 8.76165

Type of gen. func.: lgdogf

$$-\frac{4x^5+15x^4-8x^3-57x^2+40x-7}{(x^2-3x+1)(x^2+3x-1)(2x^2+5x-2)}$$

Sequence: A106440
Score: 13.2859
Type of gen. func.: lgdogf

$$-\frac{30(2x^2+6x+1)}{(-1+4x)(6x^2+12x+1)}$$

Sequence: A106450
Score: 9.27372
Type of gen. func.: ogf

$$\frac{x^6+3x^5+x^4-2x^3-2x^2+3x+2}{(x^2+1)(x+1)^2(x-1)^2}$$

Sequence: A106459
Score: 10.6909
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^3+x^2+1}{-x^4+1}$$

Sequence: A106466
Score: 12.3946
Type of gen. func.: ogf

$$\frac{x^2+x+1}{(x^2+1)(x+1)^2(x-1)^2}$$

Sequence: A106466
Score: 12.7193
Type of gen. func.: lgdogf

$$-\frac{4 x^5 + 5 x^4 + 8 x^3 + 2 x^2 + 4 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A106466
Score: 19.5845
Type of gen. func.: egf]_with_Euler_transform]

$$1 + x - 1/2 x^2 + 1/6 x^3$$

Sequence: A106469
Score: 10.2304
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^2 + 2 x^3 + x^2 - f(x) + 2 x + 1)$$

Sequence: A106469
Score: 15.6149
Type of gen. func.: ogf

$$-\frac{(2 x + 1) (x^2 + 1)}{(x - 1) (x + 1)}$$

Sequence: A106469
Score: 18.1623
Type of gen. func.: lgdogf

$$\frac{2 (x^4 - 4 x^2 - 2 x - 1)}{(x - 1) (2 x + 1) (x + 1) (x^2 + 1)}$$

Sequence: A106469

Score: 9.27133
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 2), a(0) = 1, a(1) = 2, a(2) = 2, a(3) = 4\}$$

Sequence: A106472
Score: 12.7835
Type of gen. func.: ogf

$$\frac{(x + 1) (x - 1)^2}{(2 x - 1)^2}$$

Sequence: A106472
Score: 21.6141
Type of gen. func.: lgdogf

$$\frac{2 x^2 - x + 3}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A106472
Score: 6.78080
Type of gen. func.: ogf

$$\{a(n + 4) - 4 a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 17\}$$

Sequence: A106472
Score: 7.64501
Type of gen. func.: ogf

$$(3 f(x) + 61) (4 f(x) x^2 - x^3 - 4 f(x) x + x^2 + f(x) + x - 1)$$

Sequence: A106505
Score: 6.68187
Type of gen. func.: lgdogf

$$(x^{11} - x^{10} - 5 x^9 - x^8 + 3 x^7 + x^6 + 7 x^5 + 23 x^4 + 19 x^3 + 15 x^2 + 11 x + 7)$$

/ 4 3 2

$$/ \; ((x - 1)(x + x + x + x + 1)$$

$$/$$

$$(x^7 + x^6 + 3x^5 - 2x^4 - 2x^3 - 2x^2 - 2x - 5))$$

Sequence: A106505
Score: 8.70079
Type of gen. func.: ogf

$$-\frac{x^7 + x^6 + 3x^5 - 2x^4 - 2x^3 - 2x^2 - 2x - 5}{(x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A106507
Score: 29.2611
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{1}{x + 1}$$

Sequence: A106508
Score: 13.1178
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4x^3 + 4x^2 - 6x + 4}{x^4 - 1}$$

Sequence: A106510
Score: 11.7332
Type of gen. func.: ogf

$$f(x)\,x^2 + f(x)\,x - x^2 + f(x) - 2x - 1$$

Sequence: A106510
Score: 15.7181
Type of gen. func.: ogf

2

$$\frac{(x + 1)}{x^2 + x + 1}$$

Sequence: A106510
Score: 33.2538
Type of gen. func.: ogf_with_Euler_transform]

$$x^2 - 2 x + 1$$

Sequence: A106510
Score: 51.6166
Type of gen. func.: lgdogf

$$- \frac{x - 1}{(x + 1) (x^2 + x + 1)}$$

Sequence: A106510
Score: 8.16725
Type of gen. func.: ogf

{a(n + 3) + a(n + 2) + a(n + 1), a(0) = 1, a(1) = 1, a(2) = -1}

Sequence: A106511
Score: 12.3583
Type of gen. func.: ogf

$$- \frac{(x + 1)^2}{(x^2 + x + 1) (x^2 - x - 1)}$$

Sequence: A106511
Score: 21.4996
Type of gen. func.: lgdogf

$$- \frac{2 x^3 (x + 2)}{(x + 1) (x^2 + x + 1) (x^2 - x - 1)}$$

Sequence: A106511
Score: 8.47028
Type of gen. func.: ogf

$$-f(x)\ x^{4} + f(x)\ x^{2} + 2\ f(x)\ x - x^{2} + f(x) - 2\ x - 1$$

Sequence: A106514
Score: 12.6372
Type of gen. func.: ogf

$$-\frac{x - 1}{(2\ x - 1)\ (x^{2} + 2\ x - 1)}$$

Sequence: A106514
Score: 14.2705
Type of gen. func.: lgdogf

$$-\frac{4\ x^{3} - 3\ x^{2} - 6\ x + 3}{(2\ x - 1)\ (x - 1)\ (x^{2} + 2\ x - 1)}$$

Sequence: A106514
Score: 5.98011
Type of gen. func.: ogf

$$\{a(n + 3) - 4\ a(n + 2) + 3\ a(n + 1) + 2\ a(n),\ a(0) = 1,\ a(1) = 3,\ a(2) = 9\}$$

Sequence: A106514
Score: 6.37879
Type of gen. func.: ogf

$$(193\ f(x) - 4)\ (2\ f(x)\ x^{3} + 3\ f(x)\ x^{2} - 4\ f(x)\ x + f(x) + x - 1)$$

Sequence: A106515
Score: 12.9609

Type of gen. func.: ogf

$$-\frac{x - 1}{(x^2 + x - 1)(x^2 + 2x - 1)}$$

Sequence: A106515
Score: 13.4692
Type of gen. func.: lgdogf

$$-\frac{3x^4 + 2x^3 - 9x^2 + 2}{(x - 1)(x^2 + x - 1)(x^2 + 2x - 1)}$$

Sequence: A106515
Score: 6.2448
Type of gen. func.: ogf

$$-(106 f(x) + 29)(f(x) x^4 + 3 f(x) x^3 - 3 f(x) x + f(x) + x - 1)$$

Sequence: A106517
Score: 12.2947
Type of gen. func.: ogf

$$-\frac{x - 1}{(3x - 1)(x^2 + x - 1)}$$

Sequence: A106517
Score: 13.5870
Type of gen. func.: lgdogf

$$-\frac{(2x - 1)(3x^2 - 2x - 3)}{(x - 1)(3x - 1)(x^2 + x - 1)}$$

Sequence: A106517
Score: 5.76655
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 2 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 3, a(2) = 10\}$$

Sequence: A106517
Score: 6.2059
Type of gen. func.: ogf

$$(65 f(x) - 93) (3 f(x) x^3 + 2 f(x) x^2 - 4 f(x) x + f(x) + x - 1)$$

Sequence: A106521
Score: 5.50236
Type of gen. func.: ogf

$$\frac{2 (2 x^4 + x^3 - 29 x^2 - 10 x - 9)}{(x - 1) (x^4 - 20 x^2 + 1)}$$

Sequence: A106523
Score: 11.0269
Type of gen. func.: lgdogf

$$- \frac{4 x^5 + 5 x^4 - 2 x^3 - 6 x^2 - 6 x - 1}{(x + 1) (x^2 - x - 1) (x^3 + x^2 + x - 1)}$$

Sequence: A106523
Score: 12.4351
Type of gen. func.: ogf

$$\frac{x + 1}{(x^2 - x - 1) (x^3 + x^2 + x - 1)}$$

Sequence: A106525
Score: 6.10338
Type of gen. func.: lgdogf

$$7 x^{10} + 18 x^9 + 33 x^8 - x^6 - 54 x^5 + 91 x^4 + 96 x^3 + 129 x^2 + 42 x + 11$$

$$-\frac{}{(x^{6}-6x^{3}+1)(7x^{5}+9x^{4}+11x^{3}-21x^{2}-11x-9)}$$

Sequence: A106525
Score: 8.37554
Type of gen. func.: ogf

$$-\frac{7x^{5}+9x^{4}+11x^{3}-21x^{2}-11x-9}{x^{6}-6x^{3}+1}$$

Sequence: A106526
Score: 6.85854
Type of gen. func.: lgdogf

$$-\frac{4x^{9}+9x^{8}+28x^{7}+27x^{6}+12x^{5}-42x^{4}-44x^{3}-45x^{2}-14x-3}{(2x^{4}+3x^{3}+7x^{2}+3x+2)(x^{6}-6x^{3}+1)}$$

Sequence: A106526
Score: 9.82803
Type of gen. func.: ogf

$$\frac{2(2x^{4}+3x^{3}+7x^{2}+3x+2)}{x^{6}-6x^{3}+1}$$

Sequence: A106527
Score: 5.56639
Type of gen. func.: lgdogf

$$-(17x^{10}+38x^{9}+99x^{8}-51x^{6}-114x^{5}+221x^{4}+320x^{3}+243x^{2}+102x+33)\Big/\left((x^{6}-6x^{3}+1)(17x^{5}+19x^{4}+33x^{3}-51x^{2}-33x-19)\right)$$

Sequence: A106527
Score: 8.09159

Type of gen. func.: ogf

$$-\frac{17 x^5 + 19 x^4 + 33 x^3 - 51 x^2 - 33 x - 19}{x^6 - 6 x^3 + 1}$$

Sequence: A106528
Score: 9.57638
Type of gen. func.: ogf

$$\frac{2 (3 x^4 + 10 x^3 + 17 x^2 + 10 x + 3)}{x^6 - 6 x^3 + 1}$$

Sequence: A106540
Score: 11.0627
Type of gen. func.: ogf

$$-\frac{(x - 1)^2}{2 x^3 - 5 x^2 + 3 x - 1}$$

Sequence: A106540
Score: 15.2507
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 6 x^2 + 7 x - 1}{(x - 1) (2 x^3 - 5 x^2 + 3 x - 1)}$$

Sequence: A106540
Score: 5.71886
Type of gen. func.: ogf

$$-(121 f(x) + 19) (2 f(x) x^3 - 5 f(x) x^2 + 3 f(x) x + x^2 - f(x) - 2 x + 1)$$

Sequence: A106540

Score: 6.02523
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 1, a(2) = -1\}$

Sequence: A106541
Score: 11.6932
Type of gen. func.: ogf

$$-\frac{2 (x - 1)^2}{2 x^3 - 5 x^2 + 3 x - 1}$$

Sequence: A106541
Score: 15.7343
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 6 x^2 + 7 x - 1}{(x - 1) (2 x^3 - 5 x^2 + 3 x - 1)}$$

Sequence: A106541
Score: 6.04481
Type of gen. func.: ogf

$$-(121 f(x) + 38) (2 f(x) x^3 - 5 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x) - 4 x + 2)$$

Sequence: A106541
Score: 6.36864
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 2, a(1) = 2, a(2) = -2\}$

Sequence: A106542
Score: 11.9799
Type of gen. func.: ogf

$$-\frac{3 (x - 1)^2}{}$$

$$2 x^3 - 5 x^2 + 3 x - 1$$

Sequence: A106542
Score: 6.41026
Type of gen. func.: ogf

$$(121 f(x) + 57) (2 f(x) x^3 - 5 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) - 6 x + 3)$$

Sequence: A106542
Score: 6.52474
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 3, a(1) = 3, a(2) = -3\}$$

Sequence: A106565
Score: 13.1468
Type of gen. func.: revogf

$$\frac{-5 x - 5 + (9 x^2 + 10 x + 5)^{1/2} 5^{1/2}}{10 x}$$

Sequence: A106565
Score: 15.8809
Type of gen. func.: ogf

$$- \frac{5 x}{5 x^2 + 5 x - 1}$$

Sequence: A106565
Score: 24.1025
Type of gen. func.: lgdogf

$$- \frac{5 (2 x + 1)}{5 x^2 + 5 x - 1}$$

Sequence: A106565
Score: 7.25422
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + 5 a(n), a(0) = 0, a(1) = 5\}$$

Sequence: A106565
Score: 9.9592
Type of gen. func.: ogf

$$-5 f(x) x^2 - 5 f(x) x + f(x) - 5 x$$

Sequence: A106567
Score: 11.9042
Type of gen. func.: ogf

$$-4 f(x) x^2 - 5 f(x) x + f(x) - 4 x$$

Sequence: A106567
Score: 15.3049
Type of gen. func.: revogf

$$\frac{-5 x - 4 + (41 x^2 + 40 x + 16)^{1/2}}{8 x}$$

Sequence: A106567
Score: 18.9824
Type of gen. func.: ogf

$$-\frac{4 x}{4 x^2 + 5 x - 1}$$

Sequence: A106567
Score: 25.7400
Type of gen. func.: lgdogf

$$-\frac{5 + 8 x}{}$$

$$4 x^2 + 5 x - 1$$

Sequence: A106567
Score: 8.67099
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 4\}$$

Sequence: A106568
Score: 10.0066
Type of gen. func.: ogf

$$-4 f(x) x^2 - 4 f(x) x + f(x) - 4 x$$

Sequence: A106568
Score: 15.9565
Type of gen. func.: ogf

$$-\frac{4 x}{4 x^2 + 4 x - 1}$$

Sequence: A106568
Score: 18.1599
Type of gen. func.: revogf

$$\frac{-1 - x + (2 x^2 + 2 x + 1)^{1/2}}{2 x}$$

Sequence: A106568
Score: 24.2131
Type of gen. func.: lgdogf

$$-\frac{4 (2 x + 1)}{4 x^2 + 4 x - 1}$$

Sequence: A106568
Score: 7.28875
Type of gen. func.: ogf

{-a(n + 2) + 4 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 4}

Sequence: A106569
Score: 15.1403
Type of gen. func.: ogf

$$-\frac{3x}{3x^2+5x-1}$$

Sequence: A106569
Score: 15.3072
Type of gen. func.: revogf

$$\frac{-5x-3+(37x^2+30x+9)^{1/2}}{6x}$$

Sequence: A106569
Score: 25.0481
Type of gen. func.: lgdogf

$$-\frac{5+6x}{3x^2+5x-1}$$

Sequence: A106569
Score: 6.91595
Type of gen. func.: ogf

{-a(n + 2) + 5 a(n + 1) + 3 a(n), a(0) = 0, a(1) = 3}

Sequence: A106569
Score: 9.49478
Type of gen. func.: ogf

2

$$-3 f(x) x - 5 f(x) x + f(x) - 3 x$$

Sequence: A106570
Score: 10.7351
Type of gen. func.: ogf

$$-3 f(x) x^2 - 4 f(x) x + f(x) - 3 x$$

Sequence: A106570
Score: 17.1181
Type of gen. func.: ogf

$$-\frac{3 x}{3 x^2 + 4 x - 1}$$

Sequence: A106570
Score: 17.3323
Type of gen. func.: revogf

$$\frac{-4 x - 3 + (28 x^2 + 24 x + 9)^{1/2}}{6 x}$$

Sequence: A106570
Score: 25.9984
Type of gen. func.: lgdogf

$$-\frac{2 (3 x + 2)}{3 x^2 + 4 x - 1}$$

Sequence: A106570
Score: 7.81937
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 3 a(n), a(0) = 0, a(1) = 3\}$$

Sequence: A106576
Score: 5.55738
Type of gen. func.: ogf

$$-\left(8x^{17}+9x^{16}+4x^{13}+7x^{12}+5x^{8}+6x^{5}+3x^{4}+2x+1\right) \Big/ \left((x-1)(x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)(x^{8}-x^{6}+x^{4}-x^{2}+1)\right)$$

Sequence: A106586
Score: 6.31397
Type of gen. func.: ogf

$$-\frac{x^{8}+2x^{7}+7x^{6}-2x^{5}+9x^{4}-2x^{3}+7x^{2}+2x+1}{(x-1)(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)}$$

Sequence: A106603
Score: 17.5598
Type of gen. func.: ogf

$$\frac{3x+1}{8x^{3}+2x+1}$$

Sequence: A106603
Score: 20.3718
Type of gen. func.: lgdogf

$$-\frac{48x^{3}+24x^{2}-1}{(3x+1)(8x^{3}+2x+1)}$$

Sequence: A106603
Score: 8.40627
Type of gen. func.: ogf

$$\{a(n+3)+2\,a(n+2)+8\,a(n),\ a(0)=1,\ a(1)=1,\ a(2)=-2\}$$

Sequence: A106603
Score: 9.18823
Type of gen. func.: ogf

$$(13 f(x) - 7) (8 f(x) x^3 + 2 f(x) x + f(x) - 3 x - 1)$$

Sequence: A106607
Score: 13.6382
Type of gen. func.: lgdogf

$$- \frac{3 x^5 - 2 x^4 + 7 x^3 + 3 x^2 + 4 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^2 - x + 1)}$$

Sequence: A106607
Score: 20.9058
Type of gen. func.: ogf_with_Euler_transform]

$$-2 x^5 + x^3 + 2 x^2 + 2 x + 1$$

Sequence: A106607
Score: 7.90248
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1)^2}{(x^2 + 1) (x + 1) (x - 1)^4}$$

Sequence: A106608
Score: 6.39671
Type of gen. func.: ogf

$$x (x^{12} + 2 x^{11} + 3 x^{10} + 4 x^9 + 5 x^8 + 6 x^7 + x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1) / ((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A106609
Score: 5.79818
Type of gen. func.: ogf

$$x (x^2 - x + 1) (x^{12} + 2 x^{11} + 4 x^{10} + 3 x^9 + 4 x^8 + 4 x^7 + 7 x^6 + 4 x^5 + 4 x^4 + 3 x^3 + 4 x^2 + 2 x + 1) / ((x - 1)^2 (x + 1)^2 (x^2 + 1)^2 (x^4 + 1)^2)$$

Sequence: A106610
Score: 5.14666
Type of gen. func.: ogf

$$x (x^{14} + 3 x^{13} + 3 x^{12} + 4 x^{11} + 6 x^{10} + 4 x^9 + 5 x^8 + 9 x^7 + 5 x^6 + 4 x^5 + 6 x^4 + 4 x^3 + 3 x^2 + 3 x + 1) (x^2 - x + 1) / ((x - 1)^2 (x^2 + x + 1)^2 (x^6 + x^3 + 1))$$

Sequence: A106624
Score: 10.8475
Type of gen. func.: lgdogf

$$- \frac{x (2 x^5 - 4 x^4 + 3 x^3 + 8 x^2 - 3 x - 4)}{(x - 1) (x + 1) (2 x^2 - 1) (x^3 - x^2 + 1)}$$

Sequence: A106624
Score: 12.4551
Type of gen. func.: ogf

$$\frac{x^3 - x^2 + 1}{(x - 1) (x + 1) (2 x^2 - 1)}$$

Sequence: A106624
Score: 7.44865
Type of gen. func.: ogf

$$-(4 f(x) - 19) (2 f(x) x^4 - 3 f(x) x^2 - x^3 + x^2 + f(x) - 1)$$

Sequence: A106632
Score: 12.7439
Type of gen. func.: lgdogf

$$-\frac{(3 x - 1) (243 x^3 + 81 x^2 + 45 x - 1)}{(3 x + 1) (27 x^2 + 1) (9 x^2 - 2 x + 1)}$$

Sequence: A106632
Score: 13.4121
Type of gen. func.: ogf

$$-\frac{27 x^2 + 1}{(3 x + 1) (9 x^2 - 2 x + 1)}$$

Sequence: A106632
Score: 6.76337
Type of gen. func.: ogf

$$-(139 f(x) + 603) (27 f(x) x^3 + 3 f(x) x^2 + f(x) x + 27 x^2 + f(x) + 1)$$

Sequence: A106632
Score: 6.94137
Type of gen. func.: ogf

$\{a(n + 3) + a(n + 2) + 3 a(n + 1) + 27 a(n), a(0) = -1, a(1) = 1, a(2) = -25\}$

Sequence: A106637
Score: 7.59818
Type of gen. func.: ogf

$$\frac{x^9 + 2 x^8 + x^7 + x^6 + 2 x^5 + 3 x^4 + 3 x^3 + 2 x^2 + x + 2}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A106646
Score: 2.46452
Type of gen. func.: ogf

$$(f(x) - 1)^2$$

Sequence: A106648
Score: 13.5071
Type of gen. func.: ogf

$$-\frac{5 x^2 - 7 x + 8}{(x - 1)^3}$$

Sequence: A106648
Score: 23.1009
Type of gen. func.: lgdogf

$$-\frac{5 x^2 - 4 x + 17}{(x - 1) (5 x^2 - 7 x + 8)}$$

Sequence: A106648
Score: 7.16462
Type of gen. func.: ogf

$$(628 f(x) + 511) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 5 x^2 - f(x) - 7 x + 8)$$

Sequence: A106648
Score: 7.22747
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 8, a(1) = 17, a(2) = 32\}$$

Sequence: A106664

Score: 13.2770
Type of gen. func.: ogf

$$\frac{x^2 - 3 x + 1}{(x - 1) (x + 1) (2 x^2 - 2 x + 1)}$$

Sequence: A106664
Score: 14.1318
Type of gen. func.: lgdogf

$$- \frac{4 x^5 - 20 x^4 + 20 x^3 - 5 x^2 - 1}{(x - 1) (x + 1) (x^2 - 3 x + 1) (2 x^2 - 2 x + 1)}$$

Sequence: A106664
Score: 6.78604
Type of gen. func.: ogf

$$-(10 f(x) - 19)$$

$$(2 f(x) x^4 - 2 f(x) x^3 - f(x) x^2 + 2 f(x) x - x^2 - f(x) + 3 x - 1)$$

Sequence: A106666
Score: 10.5681
Type of gen. func.: ogf

$$- \frac{2 x^3 - 4 x^2 + 1}{(x - 1) (2 x^3 - 2 x^2 - 2 x + 1)}$$

Sequence: A106666
Score: 5.77251
Type of gen. func.: ogf

$$(161 f(x) + 178) (2 f(x) x^4 - 4 f(x) x^3 + 2 x^3 + 3 f(x) x - 4 x^2 - f(x) + 1)$$

Sequence: A106666

Score: 8.21293
Type of gen. func.: lgdogf

$$-\frac{4x^6-16x^5+16x^4-4x^3+6x^2-8x+3}{(x-1)(2x^3-4x^2+1)(2x^3-2x^2-2x+1)}$$

Sequence: A106691
Score: 10.5793
Type of gen. func.: lgdogf

$$-\frac{4x^6+6x^5-11x^4+12x^3+18x^2-2x-3}{(x-1)(2x+1)(x+1)(x^4+x^3-2x^2+x+1)}$$

Sequence: A106691
Score: 8.13154
Type of gen. func.: ogf

$$\frac{x^4+x^3-2x^2+x+1}{(x-1)^2(2x+1)^2(x+1)^2}$$

Sequence: A106706
Score: 9.84138
Type of gen. func.: ogf

$$-\frac{19x^5+25x^4+35x^3-11x^2-14x-19}{(x-1)(2x^3-1)(x^2+x+1)}$$

Sequence: A106707
Score: 11.8727
Type of gen. func.: ogf

$$-f(x)x^2+4f(x)x-f(x)-x$$

Sequence: A106707
Score: 17.5493
Type of gen. func.: revogf

$$-\frac{-4 x + 1 + (2 x - 1)^{1/2} (-1 + 6 x)^{1/2}}{2 x}$$

Sequence: A106707
Score: 18.9322
Type of gen. func.: ogf

$$-\frac{x}{x^2 - 4 x + 1}$$

Sequence: A106707
Score: 38.6085
Type of gen. func.: lgdogf

$$-\frac{2 (x - 2)}{x^2 - 4 x + 1}$$

Sequence: A106707
Score: 8.64805
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + a(n), a(0) = 0, a(1) = -1\}$$

Sequence: A106709
Score: 11.4194
Type of gen. func.: ogf

$$-2 f(x) x^2 + 5 f(x) x - f(x) - 2 x$$

Sequence: A106709
Score: 16.6096
Type of gen. func.: ogf

$$2 x$$

$$-\frac{}{2 x^{2} - 5 x + 1}$$

Sequence: A106709
Score: 18.7258
Type of gen. func.: revogf

$$\frac{-2 + 5 x + (17 x^{2} - 20 x + 4)^{1/2}}{4 x}$$

Sequence: A106709
Score: 29.3100
Type of gen. func.: lgdogf

$$-\frac{-5 + 4 x}{2 x^{2} - 5 x + 1}$$

Sequence: A106709
Score: 7.58711
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 2 a(n), a(0) = 0, a(1) = -2\}$$

Sequence: A106710
Score: 10.4784
Type of gen. func.: ogf

$$-650 f(x) x^{2} + 51 f(x) x - f(x) + 26 x$$

Sequence: A106710
Score: 16.1009
Type of gen. func.: ogf

$$\frac{26 x}{(26 x - 1) (25 x - 1)}$$

Sequence: A106710
Score: 7.76633
Type of gen. func.: ogf

$$\{a(n+2) - 51\, a(n+1) + 650\, a(n),\ a(0) = 0,\ a(1) = 26\}$$

Sequence: A106729
Score: 15.0876
Type of gen. func.: ogf

$$-\frac{5\,(x-1)}{x^2 - 3\,x + 1}$$

Sequence: A106729
Score: 16.2380
Type of gen. func.: revogf

$$-\frac{-5 - 3\,x + (5\,x^2 + 10\,x + 25)^{1/2}}{2\,(5+x)}$$

Sequence: A106729
Score: 21.4761
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2\,x + 2}{(x-1)\,(x^2 - 3\,x + 1)}$$

Sequence: A106729
Score: 7.46091
Type of gen. func.: ogf

$$-(21\, f(x) - 25)\,(f(x)\, x^2 - 3\, f(x)\, x + f(x) + 5\, x - 5)$$

Sequence: A106729
Score: 8.18004
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + a(n), a(0) = 5, a(1) = 10\}$$

Sequence: A106731
Score: 11.6518
Type of gen. func.: ogf

$$-2 f(x) x^2 + 4 f(x) x - f(x) - 2 x$$

Sequence: A106731
Score: 18.5800
Type of gen. func.: ogf

$$-\frac{2 x}{2 x^2 - 4 x + 1}$$

Sequence: A106731
Score: 22.3276
Type of gen. func.: revogf

$$\frac{-1 + 2 x + (2 x^2 - 4 x + 1)^{1/2}}{2 x}$$

Sequence: A106731
Score: 8.48715
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + 2 a(n), a(0) = 0, a(1) = -2\}$$

Sequence: A106732
Score: 10.3631
Type of gen. func.: ogf

$$-3 f(x) x^2 + 5 f(x) x - f(x) - 3 x$$

Sequence: A106732

Score: 16.5249
Type of gen. func.: ogf

$$-\frac{3 x}{3 x^2 - 5 x + 1}$$

Sequence: A106732
Score: 18.6387
Type of gen. func.: revogf

$$\frac{-3 + 5 x + (13 x^2 - 30 x + 9)^{1/2}}{6 x}$$

Sequence: A106732
Score: 29.1737
Type of gen. func.: lgdogf

$$-\frac{-5 + 6 x}{3 x^2 - 5 x + 1}$$

Sequence: A106732
Score: 7.54841
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 3 a(n), a(0) = 0, a(1) = -3\}$$

Sequence: A106734
Score: 15.1319
Type of gen. func.: lgdogf

$$-\frac{7 x^3 - 9 x^2 - 21 x - 1}{(x - 1) (7 x^3 - 15 x^2 + 3 x - 1)}$$

Sequence: A106734
Score: 3.98011
Type of gen. func.: ogf

$$\{(27 n^2 + 163 n + 218) a(n + 1) + (-62 n^2 - 328 n - 374) a(n + 2) + (35 n^2 + 141 n + 108) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 13\}$$

Sequence: A106734
Score: 5.17959
Type of gen. func.: ogf

$$-(62 f(x) + 1423) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 7 x^3 - 4 f(x) x - 15 x^2 + f(x) + 3 x - 1)$$

Sequence: A106734
Score: 9.69513
Type of gen. func.: ogf

$$- \frac{7 x^3 - 15 x^2 + 3 x - 1}{(x - 1)^4}$$

Sequence: A106746
Score: 6.83893
Type of gen. func.: ogf

$$- \frac{50 x^{22} - 50 x^{20} + 49 x^{12} - 50 x^{10} + 4 x^2 - 5}{(x + 1) (x^2 + 1) (x^8 - x^6 + x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A106747
Score: 8.37814
Type of gen. func.: ogf

$$\frac{x^2 (6 x^{10} - 5 x^8 + 1)}{(x + 1) (x^2 + 1) (x^8 - x^6 + x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A106789

Score: 6.08370
Type of gen. func.: ogf

$$-\frac{2\,(5\,x^5 + x^4 + 18\,x^3 - 4\,x^2 + 5\,x - 5)}{(x^3 + x^2 + 3\,x - 1)\,(x^3 - x^2 - x - 1)}$$

Sequence: A106791
Score: 3.67353
Type of gen. func.: ogf

$$-\frac{17\,x^9 + 2\,x^8 - 32\,x^7 + 46\,x^6 - 21\,x^5 - 143\,x^4 + 16\,x^3 - 30\,x^2 - 24\,x + 17}{(x^4 + x^3 - 3\,x^2 - 3\,x + 1)\,(x^6 - x^5 + 2\,x^4 - 2\,x^3 - 2\,x^2 - x - 1)}$$

Sequence: A106793
Score: 29.6830
Type of gen. func.: revegf]

$$(1 + 27\,x)^{(1/27)} - 1$$

Sequence: A106793
Score: 36.0437
Type of gen. func.: lgdegf]

$$-26 + (x + 1)\,f(x)$$

Sequence: A106793
Score: 5.73002
Type of gen. func.: ogf

$$\{(-n + 25)\,a(n + 1) - a(n + 2),\ a(0) = 1,\ a(1) = 26\}$$

Sequence: A106803
Score: 11.7479
Type of gen. func.: ogf

```
                x (x - 1)
          - -----------------
               3    2
```

$$x \quad - x \quad - 2 x + 1$$

Sequence: A106803
Score: 15.6982
Type of gen. func.: lgdogf

$$-\frac{2 x^{3} - 4 x^{2} + 2 x + 1}{(x - 1) (x^{3} - x^{2} - 2 x + 1)}$$

Sequence: A106803
Score: 6.03268
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 1\}$$

Sequence: A106803
Score: 6.2582
Type of gen. func.: ogf

$$(f(x) + 1) (f(x) x^{3} - f(x) x^{2} - 2 f(x) x + x^{2} + f(x) - x)$$

Sequence: A106804
Score: 5.0033
Type of gen. func.: ogf

$$(11 f(x) - 5) (f(x) x^{4} - 25 f(x) x^{2} - 4 x^{3} + 10 f(x) x - 9 x^{2} - f(x) + 2 x)$$

Sequence: A106804
Score: 7.54695
Type of gen. func.: lgdogf

$$-\frac{8 x^{5} + 27 x^{4} - 8 x^{3} - 265 x^{2} + 108 x - 11}{(4 x^{2} + 9 x - 2) (x^{2} + 5 x - 1) (x^{2} - 5 x + 1)}$$

Sequence: A106804
Score: 8.81178
Type of gen. func.: ogf

$$\frac{x (4 x^2 + 9 x - 2)}{(x^2 - 5 x + 1) (x^2 + 5 x - 1)}$$

Sequence: A106805
Score: 21.1691
Type of gen. func.: ogf

$$\frac{1}{x^3 - x^2 - 2 x + 1}$$

Sequence: A106805
Score: 24.0436
Type of gen. func.: lgdogf

$$- \frac{3 x^2 - 2 x - 2}{x^3 - x^2 - 2 x + 1}$$

Sequence: A106805
Score: 6.99337
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A106805
Score: 7.91168
Type of gen. func.: ogf

$$(2 f(x) + 1) (f(x) x^3 - f(x) x^2 - 2 f(x) x + f(x) - 1)$$

Sequence: A106832
Score: 10.9125
Type of gen. func.: ogf

$$\frac{2\,(x^2 + 3\,x + 1)}{(x + 1)^2\,(x - 1)^2}$$

Sequence: A106832
Score: 13.4747
Type of gen. func.: lgdogf

$$-\frac{2\,x^3 + 9\,x^2 + 6\,x + 3}{(x - 1)\,(x + 1)\,(x^2 + 3\,x + 1)}$$

Sequence: A106832
Score: 5.36216
Type of gen. func.: ogf

$$\{(n + 4)\,a(n + 1) + (-n - 2)\,a(n + 3),\ a(0) = 2,\ a(1) = 6,\ a(2) = 6\}$$

Sequence: A106832
Score: 6.61715
Type of gen. func.: ogf

$$(7\,f(x) - 23)\,(f(x)\,x^4 - 2\,f(x)\,x^2 - 2\,x^2 + f(x) - 6\,x - 2)$$

Sequence: A106833
Score: 14.5684
Type of gen. func.: ogf

$$\frac{3\,x^2 + 4\,x + 3}{(x + 1)^2\,(x - 1)^2}$$

Sequence: A106833
Score: 16.6113
Type of gen. func.: lgdogf

$$2\,(3\,x^3 + 6\,x^2 + 9\,x + 2)$$

$$- \frac{}{(x - 1) (x + 1) (3 x^2 + 4 x + 3)}$$

Sequence: A106833
Score: 7.15859
Type of gen. func.: ogf

$$\{(n + 4) a(n + 1) + (-n - 2) a(n + 3), a(0) = 3, a(1) = 4, a(2) = 9\}$$

Sequence: A106833
Score: 8.74102
Type of gen. func.: ogf

$$(42 f(x) + 53) (f(x) x^4 - 2 f(x) x^2 - 3 x^2 + f(x) - 4 x - 3)$$

Sequence: A106835
Score: 4.86778
Type of gen. func.: ogf

$$-(1618 f(x) + 733) (4 f(x) x^4 - 25 f(x) x^2 - 6 x^3 + 10 f(x) x - 18 x^2 - f(x) + 4 x)$$

Sequence: A106835
Score: 7.24922
Type of gen. func.: lgdogf

$$- \frac{24 x^5 + 108 x^4 - 32 x^3 - 255 x^2 + 106 x - 11}{(3 x^2 + 9 x - 2) (2 x^2 - 5 x + 1) (2 x^2 + 5 x - 1)}$$

Sequence: A106835
Score: 9.09129
Type of gen. func.: ogf

$$\frac{2 x (3 x^2 + 9 x - 2)}{(2 x^2 + 5 x - 1) (2 x^2 - 5 x + 1)}$$

Sequence: A106839
Score: 18.0389
Type of gen. func.: ogf

$$\frac{5 x + 11}{(x - 1)^2}$$

Sequence: A106839
Score: 21.4187
Type of gen. func.: revogf

$$-\frac{-11 - 2 x + (121 + 64 x)^{1/2}}{2 (-5 + x)}$$

Sequence: A106839
Score: 33.9129
Type of gen. func.: lgdogf

$$-\frac{27 + 5 x}{(5 x + 11) (x - 1)}$$

Sequence: A106839
Score: 9.32349
Type of gen. func.: ogf

$$(32 f(x) + 377) (f(x) x^2 - 2 f(x) x + f(x) - 5 x - 11)$$

Sequence: A106839
Score: 9.87846
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 11, a(1) = 27\}$$

Sequence: A106845
Score: 14.2083
Type of gen. func.: lgdogf

$$-\frac{2 (x^4 + 5 x^3 + 9 x^2 + 23 x + 7)}{(x - 1) (x^4 + 2 x^3 + 3 x^2 + 8 x + 1)}$$

Sequence: A106845
Score: 7.59839
Type of gen. func.: ogf

$$\frac{x (x^4 + 2 x^3 + 3 x^2 + 8 x + 1)}{(x - 1)^6}$$

Sequence: A106850
Score: 4.56678
Type of gen. func.: ogf

-(821 f(x) + 857)

$$(9 f(x) x^4 - 25 f(x) x^2 - 6 x^3 + 10 f(x) x - 27 x^2 - f(x) + 6 x)$$

Sequence: A106850
Score: 6.74144
Type of gen. func.: lgdogf

$$-\frac{36 x^5 + 243 x^4 - 72 x^3 - 245 x^2 + 104 x - 11}{(3 x^2 + 5 x - 1) (3 x^2 - 5 x + 1) (2 x^2 + 9 x - 2)}$$

Sequence: A106850
Score: 8.46197
Type of gen. func.: ogf

$$\frac{3 x (2 x^2 + 9 x - 2)}{(3 x^2 - 5 x + 1) (3 x^2 + 5 x - 1)}$$

Sequence: A106851
Score: 5.34972
Type of gen. func.: ogf

$$(708 f(x) - 115) (f(x) x^4 - 16 f(x) x^2 - 3 x^3 + 8 f(x) x - 7 x^2 - f(x) + 2 x)$$

Sequence: A106851
Score: 8.43243
Type of gen. func.: lgdogf

$$- \frac{6 x^5 + 21 x^4 - 8 x^3 - 136 x^2 + 70 x - 9}{(x^2 - 4 x + 1) (3 x^2 + 7 x - 2) (x^2 + 4 x - 1)}$$

Sequence: A106851
Score: 9.72676
Type of gen. func.: ogf

$$\frac{x (3 x^2 + 7 x - 2)}{(x^2 - 4 x + 1) (x^2 + 4 x - 1)}$$

Sequence: A106852
Score: 10.2758
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) + 3 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A106852
Score: 11.5427
Type of gen. func.: ogf

$$f(x) (3 f(x) x^2 - f(x) x + f(x) - 1)$$

Sequence: A106852
Score: 29.0558
Type of gen. func.: ogf

$$\overline{3 x^2 - x + 1}$$

Sequence: A106852
Score: 44.6954
Type of gen. func.: lgdogf

$$-\frac{-1 + 6 x}{3 x^2 - x + 1}$$

Sequence: A106853
Score: 24.5961
Type of gen. func.: ogf

$$\frac{1}{4 x^2 - x + 1}$$

Sequence: A106853
Score: 36.1306
Type of gen. func.: lgdogf

$$-\frac{-1 + 8 x}{4 x^2 - x + 1}$$

Sequence: A106853
Score: 8.69863
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) + 4 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A106853
Score: 8.80602
Type of gen. func.: ogf

$$(5 f(x) - 4) (4 f(x) x^2 - f(x) x + f(x) - 1)$$

Sequence: A106854
Score: 10.1117
Type of gen. func.: ogf

$$(11 f(x) - 10) (5 f(x) x^2 - f(x) x + f(x) - 1)$$

Sequence: A106854
Score: 10.2350
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) + 5 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A106854
Score: 28.9405
Type of gen. func.: ogf

$$\frac{1}{5 x^2 - x + 1}$$

Sequence: A106854
Score: 40.0723
Type of gen. func.: lgdogf

$$-\frac{10 x - 1}{5 x^2 - x + 1}$$

Sequence: A106855
Score: 14.6025
Type of gen. func.: ogf

$$3 f(x) x^3 - f(x) x^2 + f(x) - 1$$

Sequence: A106855
Score: 23.2851
Type of gen. func.: ogf

$$1$$

$$\overline{3x^3 - x^2 + 1}$$

Sequence: A106855
Score: 36.8386
Type of gen. func.: lgdogf

$$-\frac{x(-2+9x)}{3x^3 - x^2 + 1}$$

Sequence: A106855
Score: 9.26396
Type of gen. func.: ogf

$$\{-a(n+3) + a(n+1) - 3a(n), a(0) = 1, a(1) = 0, a(2) = 1\}$$

Sequence: A107025
Score: 5.83704
Type of gen. func.: ogf

$$-\frac{(x-1)^5}{x^6 - 7x^5 + 15x^4 - 20x^3 + 15x^2 - 6x + 1}$$

Sequence: A107025
Score: 7.75666
Type of gen. func.: lgdogf

$$-\frac{x^6 - 6x^5 + 20x^4 - 20x^3 + 15x^2 - 6x + 1}{(x-1)(x^6 - 7x^5 + 15x^4 - 20x^3 + 15x^2 - 6x + 1)}$$

Sequence: A107033
Score: 14.4221
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^3 + 3x^2 - 5x + 3}{}$$

$$x^4 - 1$$

Sequence: A107034
Score: 10.0892
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^3 - x^2 - x - 1}{x^4 - 1}$$

Sequence: A107063
Score: 12.8672
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^5 + x^4 - 3x^2 + 1}{x^6 - 1}$$

Sequence: A107064
Score: 10.9042
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^3 + x^2 + x - 1}{x^4 - x^3 + x - 1}$$

Sequence: A107066
Score: 22.7542
Type of gen. func.: lgdogf

$$-\frac{5x^4 - 2}{(x - 1)(x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A107066
Score: 24.5642
Type of gen. func.: ogf

$$\frac{1}{(x-1)(x^4+x^3+x^2+x-1)}$$

Sequence: A107068
Score: 17.5388
Type of gen. func.: ogf

$$-\frac{1}{x^4-x^3-3x^2-3x-1}$$

Sequence: A107068
Score: 20.6807
Type of gen. func.: lgdogf

$$-\frac{4x^3-3x^2-6x-3}{x^4-x^3-3x^2-3x-1}$$

Sequence: A107068
Score: 7.28304
Type of gen. func.: ogf

$$(17 f(x) - 1) (f(x) x^4 - f(x) x^3 - 3 f(x) x^2 - 3 f(x) x - f(x) + 1)$$

Sequence: A107075
Score: 3.43777
Type of gen. func.: ogf

$$(16409908899 f(x) - 5855486)$$

$$(f(x) x^3 - 323 f(x) x^2 + 323 f(x) x + x^2 - f(x) - 142 x + 1)$$

Sequence: A107075
Score: 3.74773
Type of gen. func.: ogf

{-a(n + 3) + 323 a(n + 2) - 323 a(n + 1) + a(n), a(0) = 1, a(1) = 181,

a(2) = 58141}

Sequence: A107075
Score: 6.82422
Type of gen. func.: ogf

$$-\frac{x^2 - 142 x + 1}{(x - 1) (x^2 - 322 x + 1)}$$

Sequence: A107103
Score: 12.5714
Type of gen. func.: lgdegf]

$$3 + 12 x - 4 x^2 + (-8 - 16 x) f(x) + (8 x^3 - 4 x^2 - 10 x - 3) f(x)^2$$

Sequence: A107103
Score: 3.14689
Type of gen. func.: ogf

$$\{(-3 n - 9) a(n + 1) + (6 n^2 + 29 n + 43) a(n + 2) + (-4 n^2 - 27 n - 51) a(n + 3) + (-8 - 2 n) a(n + 4), a(0) = 1, a(1) = -3, a(2) = 12, a(3) = -67\}$$

Sequence: A107104
Score: 32.3888
Type of gen. func.: lgdegf]

$$-4 + (1 - 2 x) f(x)^2$$

Sequence: A107118
Score: 10.3147
Type of gen. func.: ogf

$$-\frac{x^2 - 16 x + 1}{}$$

$$(x - 1) (x^2 - 34 x + 1)$$

Sequence: A107118
Score: 5.36698
Type of gen. func.: ogf

$$(1980873 f(x) - 1652) (f(x) x^3 - 35 f(x) x^2 + 35 f(x) x + x^2 - f(x) - 16 x + 1)$$

Sequence: A107118
Score: 5.64221
Type of gen. func.: ogf

$$\{-a(n + 3) + 35 a(n + 2) - 35 a(n + 1) + a(n), a(0) = 1, a(1) = 19, a(2) = 631\}$$

Sequence: A107118
Score: 9.22682
Type of gen. func.: lgdogf

$$- \frac{x^4 - 32 x^3 + 528 x^2 - 68 x + 19}{(x - 1) (x^2 - 34 x + 1) (x^2 - 16 x + 1)}$$

Sequence: A107229
Score: 5.80725
Type of gen. func.: lgdogf

$$\frac{600 x^9 + 480 x^8 + 96 x^7 - 190 x^6 - 56 x^5 + 3 x^4 - 6 x^3 + 5 x^2 + 2 x + 1}{(5 x^3 + 2 x^2 - 1) (30 x^7 + 12 x^6 + 4 x^4 + 4 x^3 + x^2 - x - 1)}$$

Sequence: A107229
Score: 7.49252
Type of gen. func.: ogf

$$\frac{30 x^7 + 12 x^6 + 4 x^4 + 4 x^3 + x^2 - x - 1}{5 x^3 + 2 x^2 - 1}$$

Sequence: A107231
Score: 17.7226
Type of gen. func.: lgdogf

$$-\frac{3\,(4\,x^{2}+6\,x+1)}{(2\,x+1)\,(2\,x-1)\,(x+1)}$$

Sequence: A107231
Score: 3.57776
Type of gen. func.: ogf

$$\{(-n-4)\,a(n+4)-n\,a(n+3)+(26+4\,n)\,a(n+2)+(16+4\,n)\,a(n+1),$$

$$a(0)=1,\ a(1)=3,\ a(2)=12,\ a(3)=30\}$$

Sequence: A107232
Score: 5.84616
Type of gen. func.: ogf

$$2\,f(x)^{2}\,x^{4}-f(x)^{2}\,x^{3}+4\,f(x)\,x^{3}+4\,f(x)\,x^{2}-f(x)\,x+4\,x^{2}-f(x)+4\,x+1$$

Sequence: A107233
Score: 3.68464
Type of gen. func.: ogf

$$\{(-n-3)\,a(n+4)-4\,n\,a(n+3)+(32+4\,n)\,a(n+2)+(32+16\,n)\,a(n+1),$$

$$a(0)=0,\ a(1)=1,\ a(2)=8,\ a(3)=30\}$$

Sequence: A107234
Score: 15.1649
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{2}-x-1}{-x^{5}+1}$$

Sequence: A107235
Score: 16.2868
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^3 - x - 1}{-x^5 + 1}$$

Sequence: A107236
Score: 14.3933
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^3 + x^2 + 1}{x^5 - 1}$$

Sequence: A107237
Score: 13.3599
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^3 + x^2 + x}{x^5 - 1}$$

Sequence: A107239
Score: 5.89623
Type of gen. func.: ogf

$$\frac{x^2 (x^3 + x^2 + x - 1)}{(x - 1) (x^3 + x^2 + 3 x - 1) (x^3 - x^2 - x - 1)}$$

Sequence: A107239
Score: 6.05807
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^9 + x^8 + 2 x^7 - 8 x^6 - 2 x^5 - 12 x^4 + 14 x^3 - 4 x^2 - 1)}{(x - 1) (x^3 + x^2 + x - 1) (x^3 + x^2 + 3 x - 1) (x^3 - x^2 - x - 1)}$$

Sequence: A107240
Score: 5.62509
Type of gen. func.: ogf

$$\frac{(x^3 - x^2 + 3 x - 1) (x + 1)^2}{(x - 1) (x^3 + x^2 + 3 x - 1) (x^3 - x^2 - x - 1)}$$

Sequence: A107241
Score: 3.57510
Type of gen. func.: ogf

$$\frac{4 x^9 + x^8 - 7 x^7 - x^6 - x^5 - 8 x^4 - 11 x^3 - 5 x^2 - x + 1}{(x - 1) (x^4 + x^3 - 3 x^2 - 3 x + 1) (x^6 - x^5 + 2 x^4 - 2 x^3 - 2 x^2 - x - 1)}$$

Sequence: A107242
Score: 4.03190
Type of gen. func.: ogf

$$\frac{x^2 (x + 1) (x^6 - x^5 - 4 x^2 + x + 1)}{(x - 1) (x^4 + x^3 - 3 x^2 - 3 x + 1) (x^6 - x^5 + 2 x^4 - 2 x^3 - 2 x^2 - x - 1)}$$

Sequence: A107248
Score: 7.24127
Type of gen. func.: ogf

$$- \frac{25 x^5 + 37 x^4 + 33 x^3 - 3 x^2 + x + 1}{(5 x^3 - 2 x^2 + 1) (5 x^3 + 2 x^2 - 1)}$$

Sequence: A107253
Score: 11.0131
Type of gen. func.: lgdogf

$$15 x^4 - 28 x^3 + 36 x^2 + 96 x + 1$$

$$- \frac{}{(x - 1) (15 x^4 - 44 x^3 + 56 x^2 - 4 x + 1)}$$

Sequence: A107253
Score: 7.44854
Type of gen. func.: ogf

$$- \frac{15 x^4 - 44 x^3 + 56 x^2 - 4 x + 1}{(x - 1)^5}$$

Sequence: A107255
Score: 5.97354
Type of gen. func.: ogf

$$- \frac{31 x^5 - 125 x^4 + 160 x^3 - 190 x^2 + 5 x - 1}{(x - 1)^6}$$

Sequence: A107255
Score: 8.20289
Type of gen. func.: lgdogf

$$- \frac{31 x^5 - 95 x^4 - 20 x^3 - 280 x^2 - 355 x - 1}{(x - 1) (31 x^5 - 125 x^4 + 160 x^3 - 190 x^2 + 5 x - 1)}$$

Sequence: A107256
Score: 5.03929
Type of gen. func.: ogf

$$- \frac{63 x^6 - 314 x^5 + 687 x^4 - 328 x^3 + 617 x^2 - 6 x + 1}{(x - 1)^7}$$

Sequence: A107256
Score: 6.49751
Type of gen. func.: lgdogf

$$-\frac{63 x^6 - 250 x^5 + 491 x^4 + 1436 x^3 + 2101 x^2 + 1198 x + 1}{(x - 1) (63 x^6 - 314 x^5 + 687 x^4 - 328 x^3 + 617 x^2 - 6 x + 1)}$$

Sequence: A107264
Score: 10.3733
Type of gen. func.: ogf

$$3 f(x)^2 x^2 + 3 f(x) x - f(x) + 1$$

Sequence: A107264
Score: 39.9775
Type of gen. func.: revogf

$$\frac{x}{3 x^2 + 3 x + 1}$$

Sequence: A107264
Score: 4.02649
Type of gen. func.: ogf

$$\{(-3 n - 6) a(n + 1) + (-6 n - 21) a(n + 2) + (n + 5) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 12\}$$

Sequence: A107265
Score: 12.469
Type of gen. func.: ogf

$$-5 f(x)^2 x^2 - 5 f(x) x + f(x) - 1$$

Sequence: A107265
Score: 15.0688
Type of gen. func.: lgdogf

$$-\frac{(5 x^2 - 10 x + 1)^{1/2} - 1}{}$$

$$(5 x^2 - 10 x + 1)^{1/2} x$$

Sequence: A107265
Score: 4.77706
Type of gen. func.: ogf

$\{(5 n + 10) a(n + 1) + (-10 n - 35) a(n + 2) + (n + 5) a(n + 3), a(0) = 1,$

$a(1) = 5, a(2) = 30\}$

Sequence: A107265
Score: 48.2202
Type of gen. func.: revogf

$$\frac{x}{5 x^2 + 5 x + 1}$$

Sequence: A107266
Score: 13.4644
Type of gen. func.: ogf

$$-6 f(x)^2 x^2 - 6 f(x) x + f(x) - 1$$

Sequence: A107266
Score: 15.6407
Type of gen. func.: lgdogf

$$-\frac{(12 x^2 - 12 x + 1)^{1/2} - 1}{(12 x^2 - 12 x + 1)^{1/2} x}$$

Sequence: A107266
Score: 5.12514
Type of gen. func.: ogf

$\{(-12 n - 24) a(n + 1) + (12 n + 42) a(n + 2) + (-n - 5) a(n + 3), a(0) = 1,$

$a(1) = 6, a(2) = 42\}$

Sequence: A107266
Score: 52.1355
Type of gen. func.: revogf

$$\frac{x}{6 x^{2} + 6 x + 1}$$

Sequence: A107271
Score: 7.61527
Type of gen. func.: ogf

$$- \frac{2 x^{6} + 2 x^{5} - 4 x^{3} - 2 x^{2} - 3 x - 1}{2 x^{9} - 4 x^{6} - 2 x^{3} + 1}$$

Sequence: A107283
Score: 23.4919
Type of gen. func.: lgdegf]

$$\frac{x^{3} + x^{2} - x - 5}{(x - 1) (x^{2} + x + 2)}$$

Sequence: A107285
Score: 11.2730
Type of gen. func.: lgdogf

$$- \frac{110 x^{2} - 40 x + 11}{(x - 1) (11 x - 2) (10 x - 1)}$$

Sequence: A107285
Score: 4.54654
Type of gen. func.: ogf

$$-(17982 f(x) - 42752615) (10 f(x) x^{2} - 11 f(x) x + f(x) + 22055 x - 4010)$$

Sequence: A107285
Score: 5.44586
Type of gen. func.: ogf

$$\{a(n+2) - 11 a(n+1) + 10 a(n), a(0) = 4010, a(1) = 22055\}$$

Sequence: A107285
Score: 9.14606
Type of gen. func.: revogf

$$-\frac{-4010 - 11 x + (81 x^2 + 16080100)^{1/2}}{10 (2 x + 4411)}$$

Sequence: A107285
Score: 9.17728
Type of gen. func.: ogf

$$-\frac{2005 (11 x - 2)}{(10 x - 1) (x - 1)}$$

Sequence: A107287
Score: 7.17568
Type of gen. func.: lgdogf

$$\frac{x (4 x^{10} - 8 x^8 + 9 x^7 + 18 x^6 - 21 x^5 - 10 x^4 + 17 x^3 - 4 x^2 - x + 2)}{(x - 1) (x + 1) (2 x^5 + x^2 - x + 1) (x^5 - x^3 + x^2 + x - 1)}$$

Sequence: A107287
Score: 8.30081
Type of gen. func.: ogf

$$\frac{(x - 1) (x + 1) (2 x^5 + x^2 - x + 1)}{x^5 - x^3 + x^2 + x - 1}$$

Sequence: A107293

Score: 15.7834
Type of gen. func.: ogf

$$-\frac{x^4}{x^5 - x^3 + x^2 + x - 1}$$

Sequence: A107293
Score: 20.3522
Type of gen. func.: lgdogf

$$-\frac{5x^4 - 3x^2 + 2x + 1}{x^5 - x^3 + x^2 + x - 1}$$

Sequence: A107293
Score: 6.61013
Type of gen. func.: ogf

$$-f(x)\,(f(x)\,x^5 - f(x)\,x^3 + x^4 + f(x)\,x^2 + f(x)\,x - f(x))$$

Sequence: A107298
Score: 5.50024
Type of gen. func.: ogf

$$\frac{x^5 - x^4 - 3x^3 - 2x^2 + 7x - 3}{(x - 1)(x^3 - x^2 - 2x + 1)}$$

Sequence: A107299
Score: 6.26066
Type of gen. func.: lgdogf

$$\frac{4x^8 - 12x^7 - x^6 + 52x^5 - 80x^4 + 50x^3 - 13x^2 - 4x + 3}{(x - 1)(2x - 1)(2x^3 - x^2 - 3x + 1)(x^4 - 2x^2 - 3x + 3)}$$

Sequence: A107299
Score: 7.00667
Type of gen. func.: ogf

$$\frac{(2x-1)(x^4-2x^2-3x+3)}{(x-1)(2x^3-x^2-3x+1)}$$

Sequence: A107300
Score: 4.73399
Type of gen. func.: ogf

$$-(74 f(x)-51)(2 f(x) x^3-2 f(x) x^2-2 f(x) x+2x^2+f(x)+4x-3)$$

Sequence: A107300
Score: 4.94533
Type of gen. func.: ogf

{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - 2 a(n), a(0) = 3, a(1) = 2, a(2) = 8}

Sequence: A107300
Score: 8.58483
Type of gen. func.: lgdogf

$$-\frac{2(2x^4+8x^3-11x^2+4x+1)}{(2x^2+4x-3)(2x^3-2x^2-2x+1)}$$

Sequence: A107300
Score: 9.07995
Type of gen. func.: ogf

$$-\frac{2x^2+4x-3}{2x^3-2x^2-2x+1}$$

Sequence: A107307
Score: 6.48992
Type of gen. func.: ogf

$$\frac{x^4 - x^3 - 2 x^2 - x + 1}{(6 x^2 + 2 x - 1) (x - 1)^3}$$

Sequence: A107307
Score: 7.94512
Type of gen. func.: lgdogf

$$- \frac{6 x^6 - 37 x^4 - 40 x^3 + 31 x^2 + 2 x - 4}{(x - 1) (6 x^2 + 2 x - 1) (x^4 - x^3 - 2 x^2 - x + 1)}$$

Sequence: A107319
Score: 4.92568
Type of gen. func.: ogf

$$\{(n^2 + 18 n + 80) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 63\}$$

Sequence: A107328
Score: 4.81983
Type of gen. func.: ogf

$$-(1015 f(x) + 2747) (f(x) x^3 - 4 f(x) x^2 + 4 f(x) x + 4 x^2 - f(x) - 8 x + 3)$$

Sequence: A107328
Score: 5.20714
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 4 a(n + 1) + a(n), a(0) = 3, a(1) = 4, a(2) = 8\}$$

Sequence: A107328
Score: 9.05028
Type of gen. func.: lgdogf

$$- \frac{4 x^4 - 16 x^3 + 25 x^2 - 16 x + 4}{{}^{2}}$$

$$(x - 1) (2 x - 1) (2 x - 3) (x - 3 x + 1)$$

Sequence: A107328
Score: 9.56066
Type of gen. func.: ogf

$$-\frac{(2 x - 1) (2 x - 3)}{(x - 1) (x^{2} - 3 x + 1)}$$

Sequence: A107330
Score: 6.37402
Type of gen. func.: lgdogf

$$\frac{x^{8} - 6 x^{7} + 8 x^{6} + 26 x^{5} - 60 x^{4} + 34 x^{3} - 15 x^{2} + 3}{(x - 1) (x^{3} - 2 x^{2} - 3 x + 1) (x^{5} - 2 x^{4} - 5 x^{3} - 3 x^{2} + 9 x - 3)}$$

Sequence: A107330
Score: 7.06077
Type of gen. func.: ogf

$$\frac{x^{5} - 2 x^{4} - 5 x^{3} - 3 x^{2} + 9 x - 3}{(x - 1) (x^{3} - 2 x^{2} - 3 x + 1)}$$

Sequence: A107332
Score: 10.6011
Type of gen. func.: ogf

$$\frac{x (x^{2} + x - 1)}{x^{5} - x^{3} + x^{2} + x - 1}$$

Sequence: A107332
Score: 16.1308
Type of gen. func.: lgdogf

2   4   3   2

$$-\frac{x\ (3 x + 4 x - 6 x - 2 x + 3)}{(x^2 + x - 1)\ (x^5 - x^3 + x^2 + x - 1)}$$

Sequence: A107332
Score: 6.97189
Type of gen. func.: ogf

$$f(x)\ x^5 - f(x)\ x^3 + f(x)\ x^2 - x^3 + f(x)\ x - x^2 - f(x) + x$$

Sequence: A107334
Score: 12.0795
Type of gen. func.: lgdogf

$$-\frac{2\ (3 x^4 + 8 x^3 - 12 x^2 + 6 x + 1)}{(3 x^2 + 4 x - 3)\ (2 x^3 - 3 x^2 - 2 x + 1)}$$

Sequence: A107334
Score: 12.6964
Type of gen. func.: ogf

$$-\frac{3 x^2 + 4 x - 3}{2 x^3 - 3 x^2 - 2 x + 1}$$

Sequence: A107334
Score: 6.50822
Type of gen. func.: ogf

$$-(553 f(x) - 594)\ (2 f(x)\ x^3 - 3 f(x)\ x^2 - 2 f(x)\ x + 3 x^2 + f(x) + 4 x - 3)$$

Sequence: A107334
Score: 6.85380
Type of gen. func.: ogf

$$\{-a(n + 3) + 2\ a(n + 2) + 3\ a(n + 1) - 2\ a(n),\ a(0) = 3,\ a(1) = 2,\ a(2) = 10\}$$

Sequence: A107351
Score: 12.4500
Type of gen. func.: lgdogf

$$-\frac{3 (3 x^5 + x^4 + 3 x^3 + 3 x^2 + 3 x + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A107351
Score: 24.4237
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + 2 x^2 + 3 x + 3$$

Sequence: A107351
Score: 7.31130
Type of gen. func.: ogf

$$-\frac{x^2 - x + 1}{(x^2 + x + 1) (x + 1)^2 (x - 1)^7}$$

Sequence: A107358
Score: 15.2177
Type of gen. func.: lgdogf

$$-\frac{13 x^{12} - 2 x - 1}{(x - 1) (x + 1) (x^{11} + x^9 + x^7 + x^5 + x^3 + x - 1)}$$

Sequence: A107358
Score: 18.7696
Type of gen. func.: ogf

$$\frac{x}{(x - 1) (x + 1) (x^{11} + x^9 + x^7 + x^5 + x^3 + x - 1)}$$

Sequence: A107361
Score: 15.4959
Type of gen. func.: ogf

$$\frac{1}{(3 x - 1) (x^2 - x - 1)}$$

Sequence: A107361
Score: 18.3029
Type of gen. func.: lgdogf

$$- \frac{9 x^2 - 8 x - 2}{(3 x - 1) (x^2 - x - 1)}$$

Sequence: A107361
Score: 5.67259
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) - 4 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 2, a(2) = 8}

Sequence: A107361
Score: 6.16824
Type of gen. func.: ogf

$$(613 f(x) + 135) (3 f(x) x^3 - 4 f(x) x^2 - 2 f(x) x + f(x) - 1)$$

Sequence: A107363
Score: 8.96120
Type of gen. func.: ogf

$$\frac{(x - 1) (x^2 + 1) (x^4 + 2 x^3 - x^2 + 1) (x + 1)^2}{(x^4 + x^2 - 1) (x^8 - x^6 + 2 x^4 + x^2 + 1)}$$

Sequence: A107368

Score: 11.3272
Type of gen. func.: ogf

$$\frac{x^2 (x - 1)}{x^5 - x^3 + x^2 + x - 1}$$

Sequence: A107368
Score: 14.7468
Type of gen. func.: lgdogf

$$-\frac{x (4 x^4 - 5 x^3 - 2 x^2 + 4 x - 2)}{(x - 1) (x^5 - x^3 + x^2 + x - 1)}$$

Sequence: A107368
Score: 7.30449
Type of gen. func.: ogf

$$-f(x) x^5 + f(x) x^3 - f(x) x^2 + x^3 - f(x) x - x^2 + f(x)$$

Sequence: A107373
Score: 3.99414
Type of gen. func.: ogf

$$\{(-8 n - 24) a(n + 1) + (4 n + 12) a(n + 2) + (2 n + 8) a(n + 3)$$
$$+ (-n - 4) a(n + 4), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 2\}$$

Sequence: A107373
Score: 5.18445
Type of gen. func.: ogf

$$-16 f(x)^2 x^4 + 16 f(x)^2 x^3 + 8 f(x) x^3 - 4 f(x)^2 x - 4 f(x) x^2 + f(x)^2$$
$$- 2 f(x) x - x^2 + f(x)$$

Sequence: A107375
Score: 5.45201

Type of gen. func.: ogf

$$(16 f(x) - 1) (f(x) x^4 + 6 f(x) x^3 + 4 x^3 - 6 f(x) x + 5 x^2 + f(x) - x)$$

Sequence: A107375
Score: 9.43785
Type of gen. func.: lgdogf

$$- \frac{8 x^5 + 39 x^4 + 56 x^3 + 6 x^2 - 8 x + 1}{(4 x^2 + 5 x - 1) (x^4 + 6 x^3 - 6 x + 1)}$$

Sequence: A107375
Score: 9.72972
Type of gen. func.: ogf

$$- \frac{x (4 x^2 + 5 x - 1)}{x^4 + 6 x^3 - 6 x + 1}$$

Sequence: A107376
Score: 5.31671
Type of gen. func.: ogf

$$(9 f(x) + 1) (f(x) x^4 + 7 f(x) x^3 + 5 x^3 - 7 f(x) x + 6 x^2 + f(x) - x)$$

Sequence: A107376
Score: 8.72484
Type of gen. func.: lgdogf

$$- \frac{10 x^5 + 53 x^4 + 80 x^3 + 14 x^2 - 10 x + 1}{(5 x^2 + 6 x - 1) (x^4 + 7 x^3 - 7 x + 1)}$$

Sequence: A107376
Score: 9.40648
Type of gen. func.: ogf

$$-\frac{x\,(5\,x^2+6\,x-1)}{x^4+7\,x^3-7\,x+1}$$

Sequence: A107377
Score: 10.3541
Type of gen. func.: lgdogf

$$-\frac{6\,x^5+27\,x^4+36\,x^3-6\,x+1}{(3\,x^2+4\,x-1)\,(x^4+5\,x^3-5\,x+1)}$$

Sequence: A107377
Score: 5.30168
Type of gen. func.: ogf

$$-(7\,f(x)-2)\,(f(x)\,x^4+5\,f(x)\,x^3+3\,x^3-5\,f(x)\,x+4\,x^2+f(x)-x)$$

Sequence: A107377
Score: 9.70615
Type of gen. func.: ogf

$$-\frac{x\,(3\,x^2+4\,x-1)}{x^4+5\,x^3-5\,x+1}$$

Sequence: A107378
Score: 10.0396
Type of gen. func.: ogf

$$-\frac{x\,(2\,x^2+3\,x-1)}{x^4+4\,x^3-4\,x+1}$$

Sequence: A107378
Score: 7.01694
Type of gen. func.: ogf

$$f(x) x^4 + 4 f(x) x^3 + 2 x^3 - 4 f(x) x + 3 x^2 + f(x) - x$$

Sequence: A107378
Score: 9.73771
Type of gen. func.: lgdogf

$$- \frac{4 x^5 + 17 x^4 + 20 x^3 - 4 x^2 - 4 x + 1}{(2 x^2 + 3 x - 1) (x^4 + 4 x^3 - 4 x + 1)}$$

Sequence: A107381
Score: 5.33434
Type of gen. func.: ogf

$$\frac{x^7 + 3 x^6 - 2 x^3 - 9 x^2 + 13 x - 4}{(x - 1) (x^2 + x - 1) (x^2 + 2 x - 1)}$$

Sequence: A107382
Score: 10.0467
Type of gen. func.: ogf

$$\frac{4 (x^3 - 3 x + 1)}{x^4 + 4 x^3 - 4 x + 1}$$

Sequence: A107382
Score: 10.5204
Type of gen. func.: lgdogf

$$- \frac{x^6 - 9 x^4 - 12 x^3 + 9 x^2 - 1}{(x^3 - 3 x + 1) (x^4 + 4 x^3 - 4 x + 1)}$$

Sequence: A107382
Score: 5.36982

Type of gen. func.: ogf

$$(357 f(x) + 274) (f(x) x^4 + 4 f(x) x^3 - 4 x^3 - 4 f(x) x + f(x) + 12 x - 4)$$

Sequence: A107383
Score: 10.7506
Type of gen. func.: ogf

$$-2 f(x) x^3 - 2 f(x) x^2 - x^2 + f(x) - x$$

Sequence: A107383
Score: 13.5903
Type of gen. func.: ogf

$$-\frac{x (x + 1)}{2 x^3 + 2 x^2 - 1}$$

Sequence: A107383
Score: 16.8937
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 8 x^2 + 4 x + 1}{(x + 1) (2 x^3 + 2 x^2 - 1)}$$

Sequence: A107383
Score: 7.74503
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 1, a(2) = 1\}$$

Sequence: A107384
Score: 10.7381
Type of gen. func.: lgdogf

```
          5      3      2
      12 x  - 12 x  + 2 x  + 2 x + 1
  - ------------------------------------
                2           3      2
```

$$(x - 1) (2 x - 1) (3 x + 3 x - 1)$$

Sequence: A107384
Score: 11.6741
Type of gen. func.: ogf

$$- \frac{x (2 x^2 - 1)}{(x - 1) (3 x^3 + 3 x^2 - 1)}$$

Sequence: A107384
Score: 6.21889
Type of gen. func.: ogf

$$(8 f(x) + 1) (3 f(x) x^4 - 3 f(x) x^2 + 2 x^3 - f(x) x + f(x) - x)$$

Sequence: A107385
Score: 11.3322
Type of gen. func.: lgdogf

$$- \frac{24 x^5 - 16 x^3 + 3 x^2 + 2 x + 1}{(x - 1) (3 x^2 - 1) (4 x^3 + 4 x^2 - 1)}$$

Sequence: A107385
Score: 12.1093
Type of gen. func.: ogf

$$- \frac{x (3 x^2 - 1)}{(x - 1) (4 x^3 + 4 x^2 - 1)}$$

Sequence: A107385
Score: 6.3324
Type of gen. func.: ogf

$$(92 f(x) - 19) (4 f(x) x^4 - 4 f(x) x^2 + 3 x^3 - f(x) x + f(x) - x)$$

Sequence: A107386
Score: 10.2978
Type of gen. func.: lgdogf

$$\frac{2 x^6 - 4 x^5 - 2 x^4 + 16 x^3 - 3 x^2 + 2 x + 1}{(x - 1) (x + 1) (2 x^5 - 4 x^4 + x - 1)}$$

Sequence: A107386
Score: 9.75326
Type of gen. func.: ogf

$$\frac{x (2 x^5 - 4 x^4 + x - 1)}{(x + 1) (x - 1)^3}$$

Sequence: A107387
Score: 11.7302
Type of gen. func.: ogf

$$\frac{x (x^2 + 2 x - 1)}{(x - 1) (x + 1) (x^2 - 3 x + 1)}$$

Sequence: A107387
Score: 6.6301
Type of gen. func.: ogf

$$(5 f(x) + 3) (f(x) x^4 - 3 f(x) x^3 - x^3 + 3 f(x) x - 2 x^2 - f(x) + x)$$

Sequence: A107387
Score: 7.37319
Type of gen. func.: lgdogf

$$\frac{2 x^8 - 12 x^7 + 18 x^6 + 22 x^5 - 67 x^4 + 40 x^3 - 6 x^2 - 2 x + 1}{(x - 1) (x + 1) (x^2 - 3 x + 1) (2 x^5 - 6 x^4 + x^2 + 2 x - 1)}$$

Sequence: A107388
Score: 11.3807
Type of gen. func.: ogf

$$-\frac{x (2 x - 1) (3 x - 1)}{(x - 1) (x + 1) (x^2 - 4 x + 1)}$$

Sequence: A107388
Score: 5.918
Type of gen. func.: ogf

$$-(2724 f(x) - 3355) (f(x) x^4 - 4 f(x) x^3 + 6 x^3 + 4 f(x) x - 5 x^2 - f(x) + x)$$

Sequence: A107388
Score: 6.98175
Type of gen. func.: lgdogf

$$\frac{2 x^8 - 16 x^7 + 32 x^6 + 28 x^5 - 107 x^4 + 60 x^3 - 4 x^2 - 4 x + 1}{(x - 1) (x + 1) (x^2 - 4 x + 1) (2 x^5 - 8 x^4 + 2 x^2 + 3 x - 1)}$$

Sequence: A107389
Score: 11.9157
Type of gen. func.: ogf

$$-\frac{x (7 x^2 - 6 x + 1)}{(x - 1) (x + 1) (x^2 - 5 x + 1)}$$

Sequence: A107389
Score: 6.19617
Type of gen. func.: ogf

$$-(1099 f(x) - 1325) (f(x) x^4 - 5 f(x) x^3 + 7 x^3 + 5 f(x) x - 6 x^2 - f(x) + x)$$

Sequence: A107389
Score: 7.67931
Type of gen. func.: lgdogf

$$\frac{2 x^{8} - 20 x^{7} + 50 x^{6} + 34 x^{5} - 157 x^{4} + 84 x^{3} - 6 x + 1}{(x - 1) (x + 1) (2 x^{5} - 10 x^{4} + 3 x^{2} + 4 x - 1) (x^{2} - 5 x + 1)}$$

Sequence: A107391
Score: 10.5513
Type of gen. func.: revogf

$$\frac{-3 + 6 x + (100 x^{2} - 20 x + 9)^{1/2}}{64 (1 + 4 x)}$$

Sequence: A107391
Score: 4.45753
Type of gen. func.: ogf

$$-(3855 f(x) - 73312) (1024 f(x) x^{2} - 48 f(x) x - f(x) + 256 x + 24)$$

Sequence: A107391
Score: 5.15872
Type of gen. func.: ogf

$$\{a(n + 2) + 48 a(n + 1) - 1024 a(n), a(0) = 24, a(1) = -896\}$$

Sequence: A107391
Score: 8.82935
Type of gen. func.: ogf

$$- \frac{8 (32 x + 3)}{(64 x + 1) (16 x - 1)}$$

Sequence: A107391
Score: 9.28512
Type of gen. func.: lgdogf

$$-\frac{16\,(2048\,x^2+384\,x-7)}{(32\,x+3)\,(64\,x+1)\,(16\,x-1)}$$

Sequence: A107392
Score: 10.2248
Type of gen. func.: ogf

$$\frac{12\,x^2-18\,x+7}{(x-1)\,(2\,x-1)^3}$$

Sequence: A107392
Score: 5.4088
Type of gen. func.: ogf

(881 f(x) + 2492)

$$(8\,f(x)\,x^4-20\,f(x)\,x^3+18\,f(x)\,x^2-7\,f(x)\,x-12\,x^2+f(x)+18\,x-7)$$

Sequence: A107394
Score: 9.97789
Type of gen. func.: lgdogf

$$-\frac{5}{x-1}$$

Sequence: A107395
Score: 5.39989
Type of gen. func.: lgdogf

$$-\frac{7\,(3\,x^2+10\,x+5)}{(x-1)\,(3\,x^2+8\,x+3)}$$

Sequence: A107401
Score: 8.18929
Type of gen. func.: ogf

$$-\frac{x\,(3\,x^3+x^2-2\,x-1)}{(x+1)\,(x^4-4\,x^2+1)}$$

Sequence: A107401
Score: 8.65278
Type of gen. func.: lgdogf

$$-\frac{6\,x^7+6\,x^6-6\,x^5-3\,x^4+6\,x^3+10\,x^2+6\,x+1}{(x+1)\,(3\,x^3+x^2-2\,x-1)\,(x^4-4\,x^2+1)}$$

Sequence: A107402
Score: 7.67136
Type of gen. func.: ogf

$$-\frac{x\,(5\,x^3+2\,x^2-2\,x-1)}{(x+1)\,(x^4-5\,x^2+1)}$$

Sequence: A107402
Score: 7.81806
Type of gen. func.: lgdogf

$$-\frac{10\,x^7+11\,x^6-4\,x^5+4\,x^4+6\,x^3+8\,x^2+6\,x+1}{(x+1)\,(5\,x^3+2\,x^2-2\,x-1)\,(x^4-5\,x^2+1)}$$

Sequence: A107413
Score: 8.03201
Type of gen. func.: ogf

$$\frac{x\,(5\,x^3+5\,x^2+6\,x-1)}{x^5-6\,x^3+7\,x-1}$$

Sequence: A107417
Score: 16.2445
Type of gen. func.: lgdogf

$$-\frac{6\,(10\,x^2 + 15\,x + 3)}{(x - 1)\,(10\,x^2 + 10\,x + 1)}$$

Sequence: A107417
Score: 3.52717
Type of gen. func.: ogf

{(n + 4) a(n + 4) + (9 + 9 n) a(n + 3) - 90 a(n + 2) + (-70 - 10 n) a(n + 1),

a(0) = 1, a(1) = 18, a(2) = 126, a(3) = 560}

Sequence: A107417
Score: 6.13989
Type of gen. func.: ogf

$$\frac{10\,x^2 + 10\,x + 1}{(x - 1)^8}$$

Sequence: A107418
Score: 11.7823
Type of gen. func.: lgdogf

$$-\frac{28\,(5\,x^3 + 15\,x^2 + 9\,x + 1)}{(x - 1)\,(20\,x^3 + 45\,x^2 + 18\,x + 1)}$$

Sequence: A107418
Score: 4.45691
Type of gen. func.: ogf

$$\frac{20\,x^3 + 45\,x^2 + 18\,x + 1}{(x - 1)^{10}}$$

Sequence: A107418
Score: 5.18161
Type of gen. func.: ogf

$$\{(n^2 + 13 n + 40) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 28\}$$

Sequence: A107419
Score: 10.6121
Type of gen. func.: lgdogf

$$- \frac{40 (7 x^4 + 35 x^3 + 42 x^2 + 14 x + 1)}{(x - 1) (35 x^4 + 140 x^3 + 126 x^2 + 28 x + 1)}$$

Sequence: A107419
Score: 4.29477
Type of gen. func.: ogf

$$\frac{35 x^4 + 140 x^3 + 126 x^2 + 28 x + 1}{(x - 1)^{12}}$$

Sequence: A107419
Score: 6.14536
Type of gen. func.: ogf

$$\{(n^2 + 15 n + 54) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 40\}$$

Sequence: A107420
Score: 5.86518
Type of gen. func.: ogf

$$\{(n^2 + 17 n + 70) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 54\}$$

Sequence: A107420
Score: 7.96298
Type of gen. func.: lgdogf

$$-\frac{18\,(28 x^5 + 210 x^4 + 420 x^3 + 280 x^2 + 60 x + 3)}{(x - 1)\,(56 x^5 + 350 x^4 + 560 x^3 + 280 x^2 + 40 x + 1)}$$

Sequence: A107421
Score: 5.91410
Type of gen. func.: ogf

$$\{(n^2 + 19 n + 88)\, a(n + 1) + (-n^2 - 4 n - 4)\, a(n + 2),\ a(0) = 1,\ a(1) = 70\}$$

Sequence: A107421
Score: 6.68123
Type of gen. func.: lgdogf

$$-\frac{70\,(12 x^6 + 126 x^5 + 378 x^4 + 420 x^3 + 180 x^2 + 27 x + 1)}{(x - 1)\,(84 x^6 + 756 x^5 + 1890 x^4 + 1680 x^3 + 540 x^2 + 54 x + 1)}$$

Sequence: A107443
Score: 12.3560
Type of gen. func.: ogf

$$-\frac{3 x^2 + 1}{(x - 1)\,(2 x^2 - x + 1)\,(2 x^2 + x + 1)}$$

Sequence: A107443
Score: 12.4573
Type of gen. func.: lgdogf

$$-\frac{36 x^6 - 24 x^5 + 29 x^4 - 16 x^3 + 6 x^2 + 1}{(x - 1)\,(3 x^2 + 1)\,(2 x^2 - x + 1)\,(2 x^2 + x + 1)}$$

Sequence: A107443
Score: 6.68141

Type of gen. func.: ogf

$$f(x)\,(4\,f(x)\,x^5 - 4\,f(x)\,x^4 + 3\,f(x)\,x^3 - 3\,f(x)\,x^2 + f(x)\,x + 3\,x^2 - f(x) + 1)$$

Sequence: A107451
Score: 4.07123
Type of gen. func.: ogf

$$(10\,x^{10} - 44\,x^9 - 86\,x^8 + 246\,x^7 + 198\,x^6 + 58\,x^5 + 18\,x^4 + 24\,x^3 - 6\,x + 1) \Big/ (x^6 - 5\,x^5 - 6\,x^4 + 30\,x^3 + 5\,x^2 - 7\,x + 1)$$

Sequence: A107453
Score: 11.9433
Type of gen. func.: ogf

$$f(x)\,(f(x)\,x^4 + x^4 + x^3 + x^2 - f(x) + x + 1)$$

Sequence: A107453
Score: 13.1443
Type of gen. func.: lgdogf

$$-\frac{x^6 + 2\,x^5 + 3\,x^4 + 8\,x^3 + 3\,x^2 + 2\,x + 1}{(x - 1)\,(x + 1)\,(x^2 + 1)\,(x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A107453
Score: 15.2507
Type of gen. func.: ogf

$$-\frac{x^4 + x^3 + x^2 + x + 1}{(x - 1)\,(x + 1)\,(x^2 + 1)}$$

Sequence: A107453
Score: 29.9774
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^4 + x^3 + 1]$$

Sequence: A107454
Score: 6.01094
Type of gen. func.: lgdogf

$$x (5 x^{13} + 3 x^{11} + x^9 - 10 x^8 - x^7 - 8 x^6 - 3 x^5 - 6 x^4 - 10 x^3 - 4 x^2 - 2) / ((x - 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1))$$

Sequence: A107454
Score: 9.47053
Type of gen. func.: ogf

$$- \frac{(x^4 - x^3 + x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A107455
Score: 7.17381
Type of gen. func.: ogf

$$- \frac{x^{16} + x^{13} + x^{10} + x^8 + x^6 + x^5 + x^4 + x^3 + x^2 + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A107458
Score: 12.5779
Type of gen. func.: ogf

$$\frac{x^3 + x^2 - 1}{(x + 1) (x^3 + x - 1)}$$

Sequence: A107458
Score: 18.8669
Type of gen. func.: lgdogf

$$-\frac{x^{3}\,(x^{3}+2\,x^{2}-4)}{(x+1)\,(x^{3}+x^{2}-1)\,(x^{3}+x-1)}$$

Sequence: A107458
Score: 9.332
Type of gen. func.: ogf

$$-f(x)\,x^{4}-f(x)\,x^{3}-f(x)\,x^{2}+x^{3}+x^{2}+f(x)-1$$

Sequence: A107459
Score: 4.01096
Type of gen. func.: ogf

$$-\frac{x^{11}+x^{8}+x^{6}+x^{5}+2\,x^{4}+x^{3}+x^{2}+x+1}{(x-1)\,(x+1)\,(x^{2}+x+1)\,(x^{2}-x+1)}$$

Sequence: A107464
Score: 10.4469
Type of gen. func.: ogf

$$\frac{16\,x^{2}-26\,x+11}{(x-1)\,(2\,x-1)^{3}}$$

Sequence: A107464
Score: 5.40609
Type of gen. func.: ogf

$$(31762\,f(x)-123523)$$

$$(8\,f(x)\,x^{4}-20\,f(x)\,x^{3}+18\,f(x)\,x^{2}-7\,f(x)\,x-16\,x^{2}+f(x)+26\,x-11)$$

Sequence: A107467
Score: 5.34316
Type of gen. func.: ogf

$$-\frac{x\,(7\,x^{5}+4\,x^{4}+x^{3}+2\,x^{2}+2\,x-1)}{x^{7}+x^{6}-2\,x^{5}-x^{4}+3\,x^{3}-x^{2}-3\,x+1}$$

Sequence: A107475
Score: 6.12219
Type of gen. func.: ogf

$$-\frac{6\,x^{4}-5\,x^{3}+6\,x^{2}+4\,x-1}{(x^{3}-5\,x^{2}+6\,x-1)\,(x^{3}+2\,x^{2}-x-1)}$$

Sequence: A107476
Score: 3.67050
Type of gen. func.: ogf

$$-\frac{x\,(3\,x^{4}-11\,x^{3}+8\,x^{2}+5\,x-1)}{x^{6}-4\,x^{5}-6\,x^{4}+24\,x^{3}-4\,x^{2}-6\,x+1}$$

Sequence: A107477
Score: 3.75870
Type of gen. func.: ogf

$$(10\,x^{10}-44\,x^{9}-96\,x^{8}+290\,x^{7}+124\,x^{6}+16\,x^{5}+2\,x^{4}+19\,x^{3}-10\,x^{2}-6\,x+1)\;\Big/\;(x^{6}-5\,x^{5}-7\,x^{4}+35\,x^{3}-5\,x^{2}-7\,x+1)$$

Sequence: A107479
Score: 5.86217
Type of gen. func.: lgdogf

$$-(2\,x^{11}+4\,x^{10}+6\,x^{9}+8\,x^{8}+10\,x^{7}+12\,x^{6}+10\,x^{5}+13\,x^{4}+10\,x^{3}+7\,x^{2}$$

$$+ 4 x + 1) \Big/ \left((x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^7 + x^6 + x^5 + x^4 + x^3 + x^2 - 1)\right)$$

Sequence: A107479
Score: 6.55801
Type of gen. func.: ogf

$$- \frac{x (x + 1) (x^2 + x + 1) (x^2 - x + 1)}{x^7 + x^6 + x^5 + x^4 + x^3 + x^2 - 1}$$

Sequence: A107480
Score: 8.15460
Type of gen. func.: lgdogf

$$- \frac{2 x^{11} - 6 x^8 - 2 x^7 - 10 x^6 - 6 x^5 - x^4 - 4 x^3 - 2 x^2 - 2 x - 1}{(x^2 + 1) (x^5 + x^2 + x - 1) (x^5 - x^2 - 1)}$$

Sequence: A107480
Score: 9.81473
Type of gen. func.: ogf

$$\frac{x (x^5 - x^2 - 1)}{(x^2 + 1) (x^5 + x^2 + x - 1)}$$

Sequence: A107483
Score: 3.85751
Type of gen. func.: ogf

$$\frac{2 (50 x^6 - 100 x^5 + 90 x^4 + 20 x^3 + 41 x^2 + 9 x + 1)}{(x - 1) (x^2 + 1) (1000 x^4 - 1)}$$

Sequence: A107583
Score: 3.51695
Type of gen. func.: ogf

$$(148 f(x) - 139) (3 f(x) x^3 - 7 f(x) x^2 + 5 f(x) x + 10 x^2 - f(x) - 5 x + 1)$$

Sequence: A107583
Score: 3.67537
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 7 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 0, a(2) = 3\}$$

Sequence: A107583
Score: 6.58010
Type of gen. func.: ogf

$$- \frac{10 x^2 - 5 x + 1}{(3 x - 1) (x - 1)^2}$$

Sequence: A107583
Score: 8.67026
Type of gen. func.: lgdogf

$$- \frac{6 x (5 x^2 - 1)}{(x - 1) (3 x - 1) (10 x^2 - 5 x + 1)}$$

Sequence: A107584
Score: 12.5069
Type of gen. func.: ogf

$$- \frac{17 x^2 - 6 x + 1}{(-1 + 4 x) (x - 1)^2}$$

Sequence: A107584
Score: 15.6256
Type of gen. func.: lgdogf

$$-\frac{4 x (17 x^2 + 5 x - 4)}{(x - 1) (-1 + 4 x) (17 x^2 - 6 x + 1)}$$

Sequence: A107584
Score: 6.62758
Type of gen. func.: ogf

$$(1953 f(x) - 929) (4 f(x) x^3 - 9 f(x) x^2 + 6 f(x) x + 17 x^2 - f(x) - 6 x + 1)$$

Sequence: A107584
Score: 6.98584
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 9 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 0, a(2) = 8\}$$

Sequence: A107585
Score: 13.8599
Type of gen. func.: ogf

$$-\frac{26 x^2 - 7 x + 1}{(5 x - 1) (x - 1)^2}$$

Sequence: A107585
Score: 17.2679
Type of gen. func.: lgdogf

$$-\frac{10 x (13 x^2 + 6 x - 3)}{(x - 1) (5 x - 1) (26 x^2 - 7 x + 1)}$$

Sequence: A107585
Score: 7.27642
Type of gen. func.: ogf

$$(11536 f(x) + 6689)$$

$$(5 f(x) x^3 - 11 f(x) x^2 + 7 f(x) x + 26 x^2 - f(x) - 7 x + 1)$$

Sequence: A107585
Score: 7.72718
Type of gen. func.: ogf

{a(n + 3) - 7 a(n + 2) + 11 a(n + 1) - 5 a(n), a(0) = 1, a(1) = 0, a(2) = 15}

Sequence: A107600
Score: 5.74208
Type of gen. func.: ogf

$$\frac{x^5 - 5 x^4 + 7 x^3 + 4 x^2 - 11 x - 1}{(x - 1)^7}$$

Sequence: A107600
Score: 9.28105
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - 10 x^4 + 8 x^3 + 41 x^2 - 58 x - 18}{(x - 1) (x^5 - 5 x^4 + 7 x^3 + 4 x^2 - 11 x - 1)}$$

Sequence: A107601
Score: 5.24083
Type of gen. func.: ogf

$$\frac{x^6 - 6 x^5 + 11 x^4 - 22 x^2 + 15 x + 7}{(x - 1)^8}$$

Sequence: A107601
Score: 8.13764
Type of gen. func.: lgdogf

$$2 x^6 - 12 x^5 + 14 x^4 + 44 x^3 - 132 x^2 + 61 x + 71$$

$$- \frac{\quad}{(x - 1) (x^6 - 6 x^5 + 11 x^4 - 22 x^2 + 15 x + 7)}$$

Sequence: A107635
Score: 16.2522
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-3 x^2 + 3 x - 3}{-x^4 + 1}$$

Sequence: A107659
Score: 12.6422
Type of gen. func.: ogf

$$\frac{2 x + 1}{(2 x - 1) (2 x^2 - 1)}$$

Sequence: A107659
Score: 13.6757
Type of gen. func.: lgdogf

$$- \frac{4 (4 x^3 + 2 x^2 - x - 1)}{(2 x + 1) (2 x - 1) (2 x^2 - 1)}$$

Sequence: A107659
Score: 5.92952
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 4, a(2) = 10}

Sequence: A107659
Score: 6.38129
Type of gen. func.: ogf

$$(33 f(x) - 10) (4 f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + f(x) - 2 x - 1)$$

Sequence: A107660
Score: 11.8431
Type of gen. func.: ogf

$$\frac{3 x + 1}{(3 x - 1) (3 x^2 - 1)}$$

Sequence: A107660
Score: 12.8085
Type of gen. func.: lgdogf

$$- \frac{6 (9 x^3 + 3 x^2 - x - 1)}{(3 x - 1) (3 x + 1) (3 x^2 - 1)}$$

Sequence: A107660
Score: 5.55471
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 3 a(n + 1) + 9 a(n), a(0) = 1, a(1) = 6, a(2) = 21\}$$

Sequence: A107660
Score: 5.92152
Type of gen. func.: ogf

$$(110 f(x) - 51) (9 f(x) x^3 - 3 f(x) x^2 - 3 f(x) x + f(x) - 3 x - 1)$$

Sequence: A107663
Score: 4.80278
Type of gen. func.: ogf

$$(153 f(x) - 2362) (4 f(x) x^4 + 2 f(x) x^3 - 4 f(x) x^2 + 16 x^3 - f(x) x + 6 x^2 + f(x) - 8 x - 1)$$

Sequence: A107663

Score: 7.64843
Type of gen. func.: lgdogf

$$-\frac{64x^6+48x^5-20x^4-16x^3-16x^2-4x+9}{(2x-1)(x+1)(2x^2-1)(16x^3+6x^2-8x-1)}$$

Sequence: A107663
Score: 8.80510
Type of gen. func.: ogf

$$-\frac{16x^3+6x^2-8x-1}{(x+1)(2x-1)(2x^2-1)}$$

Sequence: A107680
Score: 12.5709
Type of gen. func.: ogf

$$-\frac{81x^{30}+27x^{14}+9x^6+3x^2+1}{x-1}$$

Sequence: A107684
Score: 6.11137
Type of gen. func.: lgdogf

$$(4x^{10}+8x^9+8x^8-20x^7-60x^6-88x^5-85x^4-58x^3-30x^2-10x-2) \Big/ \left((2x^3-1)(2x^6+4x^5+6x^4+7x^3+6x^2+3x+1)(x^2+x+1)\right)$$

Sequence: A107684
Score: 7.02594
Type of gen. func.: ogf

$$-\frac{x(2x^6+4x^5+6x^4+7x^3+6x^2+3x+1)}{(2x^3-1)(x^2+x+1)}$$

Sequence: A107708
Score: 14.7997
Type of gen. func.: revogf

$$\frac{(-x + 1 + (-3 x^2 - 6 x + 1)^{1/2}) x}{2 (x + 1)}$$

Sequence: A107708
Score: 7.4567
Type of gen. func.: ogf

$$-f(x)^3 x - f(x)^2 x - f(x) x + f(x) - 1$$

Sequence: A107731
Score: 11.2774
Type of gen. func.: lgdogf

$$- \frac{x^4 + 36 x^3 + 186 x^2 + 156 x + 21}{(x - 1) (x^4 + 16 x^3 + 46 x^2 + 16 x + 1)}$$

Sequence: A107731
Score: 7.39122
Type of gen. func.: ogf

$$- \frac{x^4 + 16 x^3 + 46 x^2 + 16 x + 1}{(x - 1)^5}$$

Sequence: A107732
Score: 10.3727
Type of gen. func.: ogf

$$- \frac{8 x^5 - 10 x^3 - 2 x^2 + 2 x + 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1) (2 x^2 - 1)}$$

Sequence: A107733
Score: 8.54883
Type of gen. func.: ogf

$$-\frac{64 x^{7} - 96 x^{5} + 40 x^{3} + 4 x^{2} - 3 x - 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1) (4 x^{2} - 2 x - 1) (4 x^{2} + 2 x - 1)}$$

Sequence: A107750
Score: 12.2442
Type of gen. func.: ogf

$$\frac{x (x + 1) (x^{4} - x^{3} + x^{2} + 1)}{(x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A107751
Score: 13.2172
Type of gen. func.: ogf

$$f(x) (x^{5} + f(x) x^{3} + x^{2} - f(x) + x + 1)$$

Sequence: A107751
Score: 13.8954
Type of gen. func.: lgdogf

$$\frac{2 x^{7} - 6 x^{4} - 2 x^{3} - 3 x^{2} - 2 x - 1}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{4} - x^{3} + x^{2} + 1)}$$

Sequence: A107751
Score: 17.3911
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^{4} - x^{3} + x^{2} + 1)}{2}$$

$$(x - 1) (x + x + 1)$$

Sequence: A107751
Score: 8.26078
Type of gen. func.: ogf

{a(n + 4) - a(n + 1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1, a(4) = 1,

a(5) = 2}

Sequence: A107760
Score: 15.9236
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^2 - 3 x + 3}{-x^3 - 1}$$

Sequence: A107767
Score: 14.3963
Type of gen. func.: lgdogf

$$- \frac{4 (9 x^3 - 9 x^2 + 1)}{(x - 1) (3 x - 1) (3 x^2 - 1)}$$

Sequence: A107767
Score: 14.9717
Type of gen. func.: ogf

$$- \frac{x}{(3 x - 1) (x - 1) (3 x^2 - 1)}$$

Sequence: A107767
Score: 6.22587
Type of gen. func.: ogf

$$(52 f(x) - 3) (9 f(x) x^4 - 12 f(x) x^3 + 4 f(x) x - f(x) + x)$$

Sequence: A107769
Score: 9.56116
Type of gen. func.: ogf

$$-\frac{x(x^2-x+1)}{(x-1)(x^2+2x-1)(x^4+2x^2-1)}$$

Sequence: A107820
Score: 14.8146
Type of gen. func.: ogf

$$-\frac{2x^3-x^2+x-3}{(x-1)^2}$$

Sequence: A107820
Score: 22.7343
Type of gen. func.: lgdogf

$$\frac{2x^3-6x^2+x+5}{(x-1)(2x^3-x^2+x-3)}$$

Sequence: A107820
Score: 7.92709
Type of gen. func.: ogf

$$\{a(n+4)-2a(n+3)+a(n+2), a(0)=3, a(1)=5, a(2)=8, a(3)=9\}$$

Sequence: A107820
Score: 8.29072
Type of gen. func.: ogf

$$-(67f(x)+2117)(f(x)x^2+2x^3-2f(x)x-x^2+f(x)+x-3)$$

Sequence: A107837
Score: 5.28784
Type of gen. func.: ogf

$$-\left(702 x^{17} - 702 x^{16} + 701 x^{12} - 701 x^{11} + 61 x^{7} - 61 x^{6} - 20 x^{5} + 72 x^{2} - 72 x - 20\right) \Big/ \left((x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}\right)$$

Sequence: A107839
Score: 16.9486
Type of gen. func.: revogf

$$-\frac{-1 - 5 x + (17 x^{2} + 10 x + 1)^{1/2}}{4 x}$$

Sequence: A107839
Score: 19.3830
Type of gen. func.: ogf

$$\frac{1}{2 x^{2} - 5 x + 1}$$

Sequence: A107839
Score: 27.2651
Type of gen. func.: lgdogf

$$-\frac{-5 + 4 x}{2 x^{2} - 5 x + 1}$$

Sequence: A107839
Score: 7.80049
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A107839

Score: 9.34259
Type of gen. func.: ogf

$$(21 f(x) + 4) (2 f(x) x^2 - 5 f(x) x + f(x) - 1)$$

Sequence: A107840
Score: 6.40995
Type of gen. func.: lgdogf

$$\frac{2 x^8 - 12 x^7 + 18 x^6 + 20 x^5 - 64 x^4 + 40 x^3 - 3 x^2 - 4 x + 1}{(x - 1) (x + 1) (x^2 - 3 x + 1) (2 x^5 - 6 x^4 + 2 x^2 + 2 x - 1)}$$

Sequence: A107840
Score: 8.79012
Type of gen. func.: ogf

$$\frac{2 x^5 - 6 x^4 + 2 x^2 + 2 x - 1}{(x - 1) (x + 1) (x^2 - 3 x + 1)}$$

Sequence: A107841
Score: 13.2328
Type of gen. func.: ogf

$$-3 f(x)^2 x + f(x) x + f(x) - 1$$

Sequence: A107841
Score: 15.3639
Type of gen. func.: lgdogf

$$- \frac{x - 1 + (x^2 - 10 x + 1)^{1/2}}{2 (x^2 - 10 x + 1)^{1/2} x}$$

Sequence: A107841
Score: 3.68272
Type of gen. func.: ogf

$$\{(-n^2 - n) a(n) + (11 n^2 + 29 n + 18) a(n + 1) + (-11 n^2 - 59 n - 78) a(n + 2) + (n^2 + 7 n + 12) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 10\}$$

Sequence: A107841
Score: 48.0122
Type of gen. func.: revogf

$$\frac{x (3 x - 1)}{x - 1}$$

Sequence: A107843
Score: 16.6100
Type of gen. func.: ogf

$$- \frac{203 x - 201}{(x - 1)^2}$$

Sequence: A107843
Score: 19.4674
Type of gen. func.: revogf

$$- \frac{-201 - 2 x + (40401 - 8 x)^{1/2}}{2 (203 + x)}$$

Sequence: A107843
Score: 25.7471
Type of gen. func.: lgdogf

$$- \frac{-199 + 203 x}{(203 x - 201) (x - 1)}$$

Sequence: A107843
Score: 8.3906
Type of gen. func.: ogf

$$-(4 f(x) - 40405) (f(x) x^2 - 2 f(x) x + f(x) + 203 x - 201)$$

Sequence: A107843
Score: 9.46383
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 201, a(1) = 199\}$$

Sequence: A107849
Score: 10.8496
Type of gen. func.: lgdogf

$$-\frac{2 (5 x^7 + 9 x^6 + 3 x^5 - x^4 - x^3 + 3 x^2 + x + 1)}{(1 + x) (2 x^3 + x^2 - 1) (x^4 + 1)}$$

Sequence: A107849
Score: 9.29052
Type of gen. func.: ogf

$$-\frac{(1 + x)^2}{(2 x^3 + x^2 - 1) (x^4 + 1)}$$

Sequence: A107850
Score: 8.10403
Type of gen. func.: ogf

$$-\frac{(x^2 + x + 1) (2 x^2 + 2 x + 1) (x - 1)^2}{(2 x^3 + x^2 - 1) (x^4 + 1)}$$

Sequence: A107851
Score: 7.11478
Type of gen. func.: lgdogf

$$-\frac{8 x^{11} + 2 x^{10} - 8 x^9 - 31 x^8 - 32 x^7 - 24 x^6 + 8 x^4 - 10 x^2 - 8 x - 1}{}$$

$$(2 x^3 + x^2 - 1) (2 x^5 - x^3 - 3 x^2 - x - 1) (x^4 + 1)$$

Sequence: A107851
Score: 7.64775
Type of gen. func.: ogf

$$\frac{x (2 x^5 - x^3 - 3 x^2 - x - 1)}{(2 x^3 + x^2 - 1) (x^4 + 1)}$$

Sequence: A107852
Score: 7.41429
Type of gen. func.: ogf

$$- \frac{x (1 + x)^2 (x^2 + 1)}{(2 x^3 + x^2 - 1) (x^4 + 1)}$$

Sequence: A107852
Score: 8.38382
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^9 + 6 x^8 + 7 x^7 + 9 x^6 + x^5 - x^4 - x^3 + 5 x^2 + 2 x + 1)}{(1 + x) (x^2 + 1) (2 x^3 + x^2 - 1) (x^4 + 1)}$$

Sequence: A107853
Score: 8.19876
Type of gen. func.: ogf

$$\frac{x (x - 1) (1 + x)^3}{(2 x^3 + x^2 - 1) (x^4 + 1)}$$

Sequence: A107853
Score: 8.83849
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^8 + 3 x^7 - 6 x^6 - 3 x^5 - 2 x^4 + 3 x^3 - 2 x^2 + x - 1)}{(x - 1) (1 + x) (2 x^3 + x^2 - 1) (x^4 + 1)}$$

Sequence: A107854
Score: 8.39971
Type of gen. func.: ogf

$$\frac{x (x^2 + 1) (x^3 - x - 1)}{(2 x^3 + x^2 - 1) (x^4 + 1)}$$

Sequence: A107855
Score: 6.55584
Type of gen. func.: ogf

$$\frac{2 x^{10} + 8 x^8 + 5 x^6 + 3 x^5 + 5 x^4 + 2 x^3 + x^2 - x - 1}{(x^2 + 1) (x^4 + 3 x^2 - 1)}$$

Sequence: A107856
Score: 6.82575
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (2 x^6 + 2 x^2 - 1)}{(x^2 + 1) (x^4 + 3 x^2 - 1)}$$

Sequence: A107857
Score: 8.01447
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 + 3 x^2 - 1}{(x - 1) (x^4 + 4 x^2 - 1)}$$

Sequence: A107857
Score: 8.13142
Type of gen. func.: lgdogf

$$-\frac{x^8 - 2 x^7 + 6 x^6 + 2 x^5 + 6 x^4 - 2 x^3 - 6 x^2 + 2 x + 1}{(x - 1) (x^4 - x^3 + 3 x^2 - 1) (x^4 + 4 x^2 - 1)}$$

Sequence: A107858
Score: 8.01447
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 + 3 x^2 - 1}{(x - 1) (x^4 + 4 x^2 - 1)}$$

Sequence: A107858
Score: 8.13142
Type of gen. func.: lgdogf

$$-\frac{x^8 - 2 x^7 + 6 x^6 + 2 x^5 + 6 x^4 - 2 x^3 - 6 x^2 + 2 x + 1}{(x - 1) (x^4 - x^3 + 3 x^2 - 1) (x^4 + 4 x^2 - 1)}$$

Sequence: A107891
Score: 10.0903
Type of gen. func.: lgdogf

$$-\frac{5 x^4 + 64 x^3 + 170 x^2 + 120 x + 19}{(x - 1) (x^4 + 10 x^3 + 20 x^2 + 10 x + 1)}$$

Sequence: A107891
Score: 3.67613
Type of gen. func.: ogf

$$\{(-n^2 - 11 n - 30) a(n + 1) + (2 n^2 + 18 n + 66) a(n + 2)$$

$$+ (-n^2 - 7 n - 12) a(n + 3), a(0) = 1, a(1) = 19, a(2) = 155\}$$

Sequence: A107891
Score: 4.91953
Type of gen. func.: ogf

$$-\frac{x^4 + 10 x^3 + 20 x^2 + 10 x + 1}{(x - 1)^9}$$

Sequence: A107895
Score: 22.0119
Type of gen. func.: egf]_with_Euler_transform]

$$-\frac{1}{-x^2 + 2 x - 1}$$

Sequence: A107903
Score: 13.3809
Type of gen. func.: ogf

$$\frac{2 x + 1}{4 x^2 - 8 x + 1}$$

Sequence: A107903
Score: 13.4127
Type of gen. func.: revogf

$$-\frac{-1 - 8 x + (48 x^2 + 24 x + 1)^{1/2}}{4 (-1 + 2 x)}$$

Sequence: A107903
Score: 15.1323
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^2 + 4 x - 5)}{(2 x + 1) (4 x^2 - 8 x + 1)}$$

Sequence: A107903
Score: 6.76564
Type of gen. func.: ogf

$$(336 f(x) + 289) (4 f(x) x^2 - 8 f(x) x + f(x) - 2 x - 1)$$

Sequence: A107903
Score: 7.25472
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A107904
Score: 14.5282
Type of gen. func.: ogf

$$-\frac{6 x + 1}{12 x^2 - 1}$$

Sequence: A107904
Score: 15.3198
Type of gen. func.: revogf

$$\frac{-1 + (48 x^2 + 24 x + 1)^{1/2}}{12 (2 x + 1)}$$

Sequence: A107904
Score: 16.5965
Type of gen. func.: lgdogf

$$-\frac{6 (12 x^2 + 4 x + 1)}{(6 x + 1) (12 x^2 - 1)}$$

Sequence: A107904
Score: 8.47481
Type of gen. func.: ogf

$$-(4 f(x) + 5) (12 f(x) x^2 - f(x) + 6 x + 1)$$

Sequence: A107904
Score: 9.38748
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A107906
Score: 12.9509
Type of gen. func.: revegf]

$$-1/4 \ln(3) + 1/4 \ln(2 + 4 x + (16 x^2 + 16 x + 1)^{1/2})$$

Sequence: A107906
Score: 14.1844
Type of gen. func.: lgdogf

$$-\frac{8 (16 x^2 + 4 x + 1)}{(4 x + 1) (8 x + 1) (-1 + 4 x)}$$

Sequence: A107906
Score: 14.4830
Type of gen. func.: ogf

$$-\frac{8 x + 1}{(-1 + 4 x) (4 x + 1)}$$

Sequence: A107906
Score: 8.44841
Type of gen. func.: ogf

$$-(5 f(x) + 2) (16 f(x) x^2 - f(x) + 8 x + 1)$$

Sequence: A107906
Score: 9.35823
Type of gen. func.: ogf

$$\{a(n+2) - 16\, a(n),\ a(0) = 1,\ a(1) = 8\}$$

Sequence: A107908
Score: 12.7408
Type of gen. func.: lgdogf

$$-\frac{2\,(5x^3 + 33x^2 + 38x + 8)}{(x-1)\,(2x^3 + 10x^2 + 8x + 1)}$$

Sequence: A107908
Score: 3.62354
Type of gen. func.: ogf

$$\{(-7n^2 - 77n - 210)\, a(n+1) + (8n^2 + 42n + 84)\, a(n+2) + (-n^2 - 7n - 12)\, a(n+3),\ a(0) = 1,\ a(1) = 16,\ a(2) = 110\}$$

Sequence: A107908
Score: 5.76616
Type of gen. func.: ogf

$$\frac{2x^3 + 10x^2 + 8x + 1}{(x-1)^8}$$

Sequence: A107915
Score: 7.51072
Type of gen. func.: lgdogf

$$-\frac{7\,(x^6 + 26x^5 + 161x^4 + 336x^3 + 259x^2 + 70x + 5)}{(x-1)\,(x^6 + 22x^5 + 113x^4 + 190x^3 + 113x^2 + 22x + 1)}$$

Sequence: A107916
Score: 4.52937
Type of gen. func.: ogf

$$-\frac{2 x^5 + 28 x^4 + 85 x^3 + 75 x^2 + 19 x + 1}{(x - 1)^{11}}$$

Sequence: A107916
Score: 8.95693
Type of gen. func.: lgdogf

$$-\frac{2 (6 x^5 + 103 x^4 + 396 x^3 + 465 x^2 + 170 x + 15)}{(x - 1) (2 x^5 + 28 x^4 + 85 x^3 + 75 x^2 + 19 x + 1)}$$

Sequence: A107917
Score: 3.70311
Type of gen. func.: ogf

$$\{(n^3 + 16 n^2 + 81 n + 126) a(n + 1) + (20 n^2 + 200 n + 660) a(n + 2)$$
$$+ (-n^3 - 14 n^2 - 61 n - 84) a(n + 3), a(0) = 1, a(1) = 34, a(2) = 455\}$$

Sequence: A107917
Score: 3.91308
Type of gen. func.: ogf

$$\frac{x^6 + 22 x^5 + 113 x^4 + 190 x^3 + 113 x^2 + 22 x + 1}{(x - 1)^{12}}$$

Sequence: A107917
Score: 7.38718
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^6 + 80 x^5 + 507 x^4 + 1081 x^3 + 850 x^2 + 234 x + 17)}{}$$

$$(x - 1) (x^6 + 22 x^5 + 113 x^4 + 190 x^3 + 113 x^2 + 22 x + 1)$$

Sequence: A107920
Score: 13.3678
Type of gen. func.: ogf

$$-2 f(x) x^2 + f(x) x - f(x) + x$$

Sequence: A107920
Score: 23.9000
Type of gen. func.: ogf

$$\frac{x}{2 x^2 - x + 1}$$

Sequence: A107920
Score: 41.2035
Type of gen. func.: lgdogf

$$- \frac{-1 + 4 x}{2 x^2 - x + 1}$$

Sequence: A107920
Score: 9.73704
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) + 2 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A107928
Score: 5.76059
Type of gen. func.: ogf

$$\{-a(n + 5) + 8 a(n + 2), a(0) = 2, a(1) = 3, a(2) = 12, a(3) = 24, a(4) = 16\}$$

Sequence: A107928
Score: 6.66068

Type of gen. func.: ogf

$$(500 f(x) + 593) (8 f(x) x^3 - 8 x^4 + 8 x^3 + 12 x^2 - f(x) + 3 x + 2)$$

Sequence: A107928
Score: 9.68827
Type of gen. func.: ogf

$$\frac{8 x^4 - 8 x^3 - 12 x^2 - 3 x - 2}{(-1 + 2 x) (4 x^2 + 2 x + 1)}$$

Sequence: A107941
Score: 4.52220
Type of gen. func.: ogf

$$- \frac{3 x^5 + 38 x^4 + 105 x^3 + 85 x^2 + 20 x + 1}{(x - 1)^{11}}$$

Sequence: A107941
Score: 8.89110
Type of gen. func.: lgdogf

$$- \frac{18 x^5 + 281 x^4 + 992 x^3 + 1080 x^2 + 370 x + 31}{(x - 1) (3 x^5 + 38 x^4 + 105 x^3 + 85 x^2 + 20 x + 1)}$$

Sequence: A107942
Score: 4.08396
Type of gen. func.: ogf

$$\frac{(1 + x) (x^4 + 17 x^3 + 48 x^2 + 17 x + 1)}{(x - 1)^{10}}$$

Sequence: A107942

Score: 8.00696
Type of gen. func.: lgdogf

$$-\frac{5 x^{5} + 113 x^{4} + 527 x^{3} + 715 x^{2} + 292 x + 28}{(x - 1) (1 + x) (x^{4} + 17 x^{3} + 48 x^{2} + 17 x + 1)}$$

Sequence: A107943
Score: 3.39010
Type of gen. func.: ogf

$$\{(-21 n^{2} - 273 n - 882) a(n + 1) + (22 n^{2} + 100 n + 162) a(n + 2)$$
$$+ (-n^{2} - 7 n - 12) a(n + 3), a(0) = 1, a(1) = 25, a(2) = 245\}$$

Sequence: A107943
Score: 4.22078
Type of gen. func.: ogf

$$\frac{3 x^{4} + 25 x^{3} + 40 x^{2} + 15 x + 1}{(x - 1)^{10}}$$

Sequence: A107943
Score: 9.05018
Type of gen. func.: lgdogf

$$-\frac{18 x^{4} + 187 x^{3} + 395 x^{2} + 215 x + 25}{(x - 1) (3 x^{4} + 25 x^{3} + 40 x^{2} + 15 x + 1)}$$

Sequence: A107953
Score: 7.85374
Type of gen. func.: ogf

$$\frac{48 x^{3} - 120 x^{2} + 104 x - 31}{(x - 1) (-1 + 2 x)^{4}}$$

Sequence: A107954
Score: 5.06515
Type of gen. func.: ogf

$$\frac{128 x^{4} - 432 x^{3} + 568 x^{2} - 342 x + 79}{(x - 1) (-1 + 2 x)^{5}}$$

Sequence: A107954
Score: 6.02437
Type of gen. func.: lgdogf

$$- \frac{512 x^{5} - 2464 x^{4} + 4896 x^{3} - 4964 x^{2} + 2548 x - 527}{(x - 1) (-1 + 2 x) (128 x^{4} - 432 x^{3} + 568 x^{2} - 342 x + 79)}$$

Sequence: A107955
Score: 4.18622
Type of gen. func.: ogf

$$\frac{320 x^{5} - 1360 x^{4} + 2400 x^{3} - 2180 x^{2} + 1012 x - 191}{(x - 1) (-1 + 2 x)^{6}}$$

Sequence: A107956
Score: 5.06493
Type of gen. func.: ogf

$$- \frac{2 x^{4} + 19 x^{3} + 34 x^{2} + 14 x + 1}{(x - 1)^{9}}$$

Sequence: A107956
Score: 9.79199
Type of gen. func.: lgdogf

$$- \frac{10 x^{4} + 122 x^{3} + 295 x^{2} + 180 x + 23}{}$$

$$(x - 1) (2 x^4 + 19 x^3 + 34 x^2 + 14 x + 1)$$

Sequence: A107959
Score: 10.2932
Type of gen. func.: lgdogf

$$- \frac{5 x^4 + 82 x^3 + 235 x^2 + 160 x + 22}{(x - 1) (x^4 + 13 x^3 + 28 x^2 + 13 x + 1)}$$

Sequence: A107959
Score: 5.01646
Type of gen. func.: ogf

$$- \frac{x^4 + 13 x^3 + 28 x^2 + 13 x + 1}{(x - 1)^9}$$

Sequence: A107962
Score: 12.2181
Type of gen. func.: lgdogf

$$- \frac{25 x^3 + 123 x^2 + 113 x + 19}{(x - 1) (5 x^3 + 18 x^2 + 11 x + 1)}$$

Sequence: A107962
Score: 5.80262
Type of gen. func.: ogf

$$\frac{5 x^3 + 18 x^2 + 11 x + 1}{(x - 1)^8}$$

Sequence: A107963
Score: 18.7477
Type of gen. func.: lgdogf

$$-\frac{15 x^2 + 42 x + 13}{(x - 1) (3 x^2 + 6 x + 1)}$$

Sequence: A107963
Score: 3.50199
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (2 + 5 n) a(n + 3) + (-48 - 3 n) a(n + 2) + (-18 - 3 n) a(n + 1), a(0) = 1, a(1) = 13, a(2) = 73, a(3) = 273\}$$

Sequence: A107963
Score: 7.29280
Type of gen. func.: ogf

$$-\frac{3 x^2 + 6 x + 1}{(x - 1)^7}$$

Sequence: A107965
Score: 4.05927
Type of gen. func.: ogf

$$-\frac{x^6 + 22 x^5 + 113 x^4 + 190 x^3 + 113 x^2 + 22 x + 1}{(x - 1)^{11}}$$

Sequence: A107965
Score: 7.22589
Type of gen. func.: lgdogf

$$-\frac{5 x^6 + 138 x^5 + 901 x^4 + 1972 x^3 + 1587 x^2 + 446 x + 33}{(x - 1) (x^6 + 22 x^5 + 113 x^4 + 190 x^3 + 113 x^2 + 22 x + 1)}$$

Sequence: A107966
Score: 4.08396

Type of gen. func.: ogf

$$\frac{2 x^5 + 28 x^4 + 85 x^3 + 75 x^2 + 19 x + 1}{(x - 1)^{10}}$$

Sequence: A107966
Score: 7.62568
Type of gen. func.: lgdogf

$$- \frac{10 x^5 + 178 x^4 + 707 x^3 + 855 x^2 + 321 x + 29}{(x - 1) (2 x^5 + 28 x^4 + 85 x^3 + 75 x^2 + 19 x + 1)}$$

Sequence: A107967
Score: 4.07858
Type of gen. func.: ogf

$$\frac{3 x^5 + 38 x^4 + 105 x^3 + 85 x^2 + 20 x + 1}{(x - 1)^{10}}$$

Sequence: A107967
Score: 7.57384
Type of gen. func.: lgdogf

$$- \frac{15 x^5 + 243 x^4 + 887 x^3 + 995 x^2 + 350 x + 30}{(x - 1) (3 x^5 + 38 x^4 + 105 x^3 + 85 x^2 + 20 x + 1)}$$

Sequence: A107968
Score: 5.11340
Type of gen. func.: ogf

$$- \frac{3 x^4 + 25 x^3 + 40 x^2 + 15 x + 1}{(x - 1)^9}$$

Sequence: A107968
Score: 9.88752
Type of gen. func.: lgdogf

$$- \frac{15 x^{4} + 162 x^{3} + 355 x^{2} + 200 x + 24}{(x - 1) (3 x^{4} + 25 x^{3} + 40 x^{2} + 15 x + 1)}$$

Sequence: A107969
Score: 10.2537
Type of gen. func.: lgdogf

$$- \frac{(8 x^{2} + 7 x + 1) (x^{2} + 12 x + 22)}{(x - 1) (2 x^{4} + 19 x^{3} + 34 x^{2} + 14 x + 1)}$$

Sequence: A107969
Score: 5.27334
Type of gen. func.: ogf

$$\frac{2 x^{4} + 19 x^{3} + 34 x^{2} + 14 x + 1}{(x - 1)^{8}}$$

Sequence: A107970
Score: 10.4067
Type of gen. func.: lgdogf

$$- \frac{4 x^{4} + 69 x^{3} + 207 x^{2} + 147 x + 21}{(x - 1) (x^{4} + 13 x^{3} + 28 x^{2} + 13 x + 1)}$$

Sequence: A107970
Score: 5.51812
Type of gen. func.: ogf

$$\frac{x^{4} + 13 x^{3} + 28 x^{2} + 13 x + 1}{{}^{8}}$$

$$(x - 1)$$

Sequence: A107971
Score: 13.1009
Type of gen. func.: lgdogf

$$-\frac{20 x^3 + 105 x^2 + 102 x + 18}{(x - 1) (5 x^3 + 18 x^2 + 11 x + 1)}$$

Sequence: A107971
Score: 3.43359
Type of gen. func.: ogf

$$\{(-2279 n^2 - 18909 n - 37570) a(n + 1) + (4383 n^2 + 31133 n + 94306) a(n + 2)$$

$$+ (-2104 n^2 - 13274 n - 20886) a(n + 3), a(0) = 1, a(1) = 18, a(2) = 123\}$$

Sequence: A107971
Score: 6.73882
Type of gen. func.: ogf

$$-\frac{5 x^3 + 18 x^2 + 11 x + 1}{(x - 1)^7}$$

Sequence: A107973
Score: 2.20486
Type of gen. func.: ogf

$$(949 f(x) + 2329726)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 421 x^2 - f(x) - 880 x + 461)$$

Sequence: A107973
Score: 4.11354
Type of gen. func.: ogf

$$2$$

$$-\frac{421 x - 880 x + 461}{(x - 1)^{3}}$$

Sequence: A107973
Score: 5.60903
Type of gen. func.: lgdogf

$$-\frac{421 x^{2} - 918 x + 503}{(x - 1) (421 x^{2} - 880 x + 461)}$$

Sequence: A107979
Score: 13.1884
Type of gen. func.: ogf

$$-\frac{x + 2}{2 x^{2} + 4 x - 1}$$

Sequence: A107979
Score: 14.5279
Type of gen. func.: revogf

$$\frac{-2 x - 1 + ((2 x + 1) (1 + 3 x))^{1/2}}{2 x + 1}$$

Sequence: A107979
Score: 17.0916
Type of gen. func.: lgdogf

$$-\frac{2 x^{2} + 8 x + 9}{(x + 2) (2 x^{2} + 4 x - 1)}$$

Sequence: A107979
Score: 6.90093
Type of gen. func.: ogf

$$(44 f(x) - 7) (2 f(x) x^{2} + 4 f(x) x - f(x) + x + 2)$$

Sequence: A107979
Score: 7.23756
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) - 2 a(n), a(0) = 2, a(1) = 9\}$$

Sequence: A108012
Score: 5.13081
Type of gen. func.: ogf

$$(159 f(x) + 115)$$

$$(4 f(x) x^{4} - 16 f(x) x^{2} - 4 x^{3} + 8 f(x) x - 14 x^{2} - f(x) + 4 x)$$

Sequence: A108012
Score: 7.54840
Type of gen. func.: lgdogf

$$- \frac{16 x^{5} + 84 x^{4} - 32 x^{3} - 128 x^{2} + 68 x - 9}{(2 x^{2} + 4 x - 1) (2 x^{2} - 4 x + 1) (2 x^{2} + 7 x - 2)}$$

Sequence: A108012
Score: 9.26607
Type of gen. func.: ogf

$$\frac{2 x (2 x^{2} + 7 x - 2)}{(2 x^{2} + 4 x - 1) (2 x^{2} - 4 x + 1)}$$

Sequence: A108014
Score: 12.9549
Type of gen. func.: ogf

$$\frac{x (x - 2)}{{}^{2} \qquad\qquad {}^{2}}$$

$$(x - x + 1) (x + x - 1)$$

Sequence: A108014
Score: 14.2651
Type of gen. func.: lgdogf

$$-\frac{3 x^4 - 8 x^3 - x^2 + 4 x - 3}{(x - 2) (x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A108014
Score: 6.53478
Type of gen. func.: ogf

$$-(15 f(x) + 31) (f(x) x^4 - f(x) x^2 + 2 f(x) x - x^2 - f(x) + 2 x)$$

Sequence: A108019
Score: 10.155
Type of gen. func.: ogf

$$-8 f(x) x^2 + 9 f(x) x - f(x) + 4 x$$

Sequence: A108019
Score: 15.1323
Type of gen. func.: revogf

$$-\frac{-4 - 9 x + (49 x^2 + 72 x + 16)^{1/2}}{16 x}$$

Sequence: A108019
Score: 16.1931
Type of gen. func.: ogf

$$\frac{4 x}{(8 x - 1) (x - 1)}$$

Sequence: A108019
Score: 24.5900
Type of gen. func.: lgdogf

$$-\frac{-9 + 16 x}{(8 x - 1) (x - 1)}$$

Sequence: A108019
Score: 7.39686
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) + 8 a(n), a(0) = 0, a(1) = 4\}$$

Sequence: A108020
Score: 11.1604
Type of gen. func.: ogf

$$-16 f(x) x^2 + 17 f(x) x - f(x) + 12 x$$

Sequence: A108020
Score: 17.2986
Type of gen. func.: ogf

$$\frac{12 x}{(16 x - 1) (x - 1)}$$

Sequence: A108020
Score: 20.3773
Type of gen. func.: lgdogf

$$-\frac{-17 + 32 x}{(16 x - 1) (x - 1)}$$

Sequence: A108020
Score: 8.23742
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1) + 16 a(n), a(0) = 0, a(1) = 12\}$$

Sequence: A108020
Score: 9.46090
Type of gen. func.: revogf

$$-\frac{-17\,x - 12 + (25\,x + 12)^{1/2}\,(4 + 3\,x)^{1/2}\,3^{1/2}}{32\,x}$$

Sequence: A108033
Score: 4.09301
Type of gen. func.: ogf

$$\{(20\,n^2 + 120\,n + 160)\,a(n + 1) + (3\,n^2 + 7\,n + 64)\,a(n + 2)$$
$$+ (-6 - 3\,n)\,a(n + 3),\ a(0) = 0,\ a(1) = 2,\ a(2) = 40\}$$

Sequence: A108033
Score: 9.26312
Type of gen. func.: egf]

$$-\frac{2\,x\,(5\,x + 1)}{(x - 1)^5}$$

Sequence: A108034
Score: 13.3813
Type of gen. func.: lgdegf]

$$-\frac{36\,x^3 + 116\,x^2 + 332\,x + 83}{(x - 1)\,(6\,x^3 + 14\,x^2 + 38\,x + 5)}$$

Sequence: A108051
Score: 12.6060
Type of gen. func.: ogf

$$-\frac{x\,(2\,x + 1)}{4\,x^2 + 4\,x - 1}$$

Sequence: A108051
Score: 14.4830
Type of gen. func.: revogf

$$\frac{-1 - 4 x + (32 x^2 + 16 x + 1)^{1/2}}{4 (2 x + 1)}$$

Sequence: A108051
Score: 16.0075
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^2 + 4 x + 3)}{(2 x + 1) (4 x^2 + 4 x - 1)}$$

Sequence: A108051
Score: 6.11576
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) - 4 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 6\}$$

Sequence: A108051
Score: 7.26697
Type of gen. func.: ogf

$$-f(x) (4 f(x) x^2 + 4 f(x) x + 2 x^2 - f(x) + x)$$

Sequence: A108057
Score: 7.59894
Type of gen. func.: ogf

$$\frac{(x - 1) (x^2 + 1) (x^7 - x^6 + x^4 + x^3 - 2 x^2 - x - 1)}{(x^2 - x + 1) (x^6 - x^3 + 1) (1 + x)^2}$$

Sequence: A108068

Score: 10.5726
Type of gen. func.: lgdogf

$$\frac{94 x^{46} + 35 x^{34} + 92 x^{22} + 22 x^{10} + 20 x^{4} + 3 x^{2} + 4}{2 x^{47} + x^{35} + 4 x^{23} + 2 x^{11} + 4 x^{5} + x^{3} + 4 x + 4}$$

Sequence: A108069
Score: 10.5726
Type of gen. func.: lgdogf

$$\frac{94 x^{46} + 35 x^{34} + 46 x^{22} + 22 x^{10} + 10 x^{4} + 3 x^{2} + 2}{2 x^{47} + x^{35} + 2 x^{23} + 2 x^{11} + 2 x^{5} + x^{3} + 2 x + 1}$$

Sequence: A108080
Score: 6.4918
Type of gen. func.: ogf

$$4 f(x)^{2} x^{3} + 15 f(x)^{2} x^{2} - 8 f(x)^{2} x - 4 f(x) x^{2} + f(x)^{2} + 5 f(x) x + x^{2} - f(x)$$

Sequence: A108081
Score: 6.15395
Type of gen. func.: ogf

$$4 f(x)^{2} x^{3} + 15 f(x)^{2} x^{2} - 8 f(x)^{2} x - 4 f(x) x^{2} + f(x)^{2} + 5 f(x) x - f(x) + x$$

Sequence: A108095
Score: 18.191
Type of gen. func.: ogf

$$-x^{2} - 14 x - 1 + f(x)^{2}$$

Sequence: A108095
Score: 41.4393
Type of gen. func.: lgdogf

$$7 + x$$

$$\frac{\qquad}{x^{2} + 14 x + 1}$$

Sequence: A108095
Score: 5.01821
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (21 + 14 n) a(n + 2) + n a(n + 1), a(0) = 1, a(1) = 7, a(2) = -24\}$$

Sequence: A108099
Score: 10.0754
Type of gen. func.: revogf

$$1/3 \frac{2 \operatorname{HeunG}(4/9, 1/4, -1/6, 1/6, 1/2, -1, - \frac{3 x}{2}) (27 x + 8)^{1/2} 2^{1/2} - 8 + 3 x}{4 + x}$$

Sequence: A108099
Score: 13.4618
Type of gen. func.: ogf

$$- \frac{4 (1 + x)^{2}}{(x - 1)^{3}}$$

Sequence: A108099
Score: 38.8657
Type of gen. func.: ogf_with_Euler_transform]

$$[5 - 2 x]$$

Sequence: A108099
Score: 44.7796
Type of gen. func.: lgdogf

$$- \frac{5 + x}{(x - 1) (1 + x)}$$

Sequence: A108099
Score: 7.20324
Type of gen. func.: ogf

```
                           3            2                 2
    (19 f(x) - 120) (f(x) x  - 3 f(x) x  + 3 f(x) x + 4 x  - f(x) + 8 x + 4)
```

Sequence: A108099
Score: 7.20324
Type of gen. func.: ogf

```
  {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 4, a(1) = 20, a(2) = 52}
```

Sequence: A108100
Score: 13.5075
Type of gen. func.: ogf

```
                                      2
                                2 (5 x  + 2 x + 1)
                              - ------------------
                                           3
                                     (x - 1)
```

Sequence: A108100
Score: 23.4925
Type of gen. func.: lgdogf

```
                                    2
                                 5 x  + 14 x + 5
                           - ------------------------
                                            2
                             (x - 1) (5 x  + 2 x + 1)
```

Sequence: A108100
Score: 7.28231
Type of gen. func.: ogf

```
                          3            2                  2
   (44 f(x) - 205) (f(x) x  - 3 f(x) x  + 3 f(x) x + 10 x  - f(x) + 4 x + 2)
```

Sequence: A108100
Score: 7.34618

Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2, a(1) = 10, a(2) = 34}

Sequence: A108104
Score: 15.9146
Type of gen. func.: lgdogf

$$-\frac{5x^6+6x^5+x^2+2x+1}{(1+x)(x^6+x^2-1)}$$

Sequence: A108104
Score: 16.6764
Type of gen. func.: ogf

$$-\frac{1+x}{x^6+x^2-1}$$

Sequence: A108105
Score: 6.91459
Type of gen. func.: ogf

$$-f(x)\,(2 f(x) x^5+x^4+x^3+x^2-f(x)+x+1)$$

Sequence: A108105
Score: 7.41573
Type of gen. func.: lgdogf

$$-\frac{2x^8+4x^7+6x^6+8x^5+10x^4+4x^3+3x^2+2x+1}{(x^4+x^3+x^2+x+1)(2x^5-1)}$$

Sequence: A108105
Score: 9.25492
Type of gen. func.: ogf

4   3   2

$$-\frac{x + x + x + x + 1}{2 x^{5} - 1}$$

Sequence: A108118
Score: 11.0172
Type of gen. func.: ogf

$$\frac{(x^{2} + 1)^{2}}{(1 + x) (x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A108118
Score: 15.0972
Type of gen. func.: lgdogf

$$-\frac{x^{5} + x^{4} + 5 x^{3} - 5 x^{2} + 4 x + 2}{(x - 1) (1 + x) (x^{2} + 1) (x^{2} - x + 1)}$$

Sequence: A108118
Score: 21.6865
Type of gen. func.: ogf_with_Euler_transform]

$$x^{5} - 2 x^{3} - x^{2} + 2 x + 2$$

Sequence: A108120
Score: 5.21605
Type of gen. func.: ogf

$$(2 x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + 2 x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + 2 x^{5} + x^{4} + x^{3} + x^{2} + x + 1) \bigg/ ((1 + x) (x^{2} + 1) (x^{4} + 1) (x^{8} + 1) (x - 1)^{2})$$

Sequence: A108122
Score: 13.9817
Type of gen. func.: ogf

$$\frac{2 x^2 - 1}{x^3 + 2 x^2 + x - 1}$$

Sequence: A108122
Score: 18.2059
Type of gen. func.: lgdogf

$$- \frac{2 x^4 - 5 x^2 - 1}{(2 x^2 - 1) (x^3 + 2 x^2 + x - 1)}$$

Sequence: A108122
Score: 7.11569
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 2 a(n + 1) + a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A108122
Score: 7.4482
Type of gen. func.: ogf

$$(f(x) - 1) (f(x) x^3 + 2 f(x) x^2 + f(x) x - 2 x^2 - f(x) + 1)$$

Sequence: A108136
Score: 10.8425
Type of gen. func.: ogf

$$\frac{4 x^2 + 2 x - 1}{x^3 + 2 x^2 + 3 x - 1}$$

Sequence: A108136
Score: 11.1787
Type of gen. func.: lgdogf

$$(x - 1) (4 x^3 + 8 x^2 - 3 x + 1)$$

$$- \frac{}{(4 x^2 + 2 x - 1) (x^3 + 2 x^2 + 3 x - 1)}$$

Sequence: A108136
Score: 5.90530
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + 2 a(n + 1) + a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A108136
Score: 5.9585
Type of gen. func.: ogf

$$(3 f(x) - 4) (f(x) x^3 + 2 f(x) x^2 + 3 f(x) x - 4 x^2 - f(x) - 2 x + 1)$$

Sequence: A108140
Score: 5.67827
Type of gen. func.: lgdogf

$$\frac{6 x^{10} - 20 x^9 - 26 x^8 + 104 x^7 + 20 x^6 - 116 x^5 + 37 x^4 + 9 x^2 - 6 x + 1}{(x^2 - 3 x + 1) (x^2 + x - 1) (2 x^7 - 2 x^6 - 8 x^5 - 2 x^3 + 3 x - 1)}$$

Sequence: A108140
Score: 7.31441
Type of gen. func.: ogf

$$\frac{2 x^7 - 2 x^6 - 8 x^5 - 2 x^3 + 3 x - 1}{(x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A108142
Score: 4.29888
Type of gen. func.: ogf

$$\frac{2 x^{11} + 6 x^{10} - 8 x^8 - 18 x^7 - 6 x^6 - 5 x^5 - 7 x^4 - 4 x^3 + 5 x - 1}{(x^3 + x^2 - 5 x + 1) (x^3 + x^2 + x - 1)}$$

Sequence: A108143
Score: 10.4262
Type of gen. func.: lgdogf

$$-\frac{3x^4+8x^3+16x^2-8x+1}{(3x^2+4x-1)(x^3+x^2-5x+1)}$$

Sequence: A108143
Score: 5.41971
Type of gen. func.: ogf

$$\{-a(n+3)+5a(n+2)-a(n+1)-a(n),\ a(0)=1,\ a(1)=1,\ a(2)=1\}$$

Sequence: A108143
Score: 5.46854
Type of gen. func.: ogf

$$(3f(x)+2)(f(x)x^3+f(x)x^2-5f(x)x+3x^2+f(x)+4x-1)$$

Sequence: A108143
Score: 9.95095
Type of gen. func.: ogf

$$-\frac{3x^2+4x-1}{x^3+x^2-5x+1}$$

Sequence: A108146
Score: 11.1302
Type of gen. func.: ogf

$$-\frac{2x^2+3x-1}{x^3+x^2-4x+1}$$

Sequence: A108146
Score: 11.8886
Type of gen. func.: lgdogf

$$-\frac{2x^4+6x^3+8x^2-6x+1}{(2x^2+3x-1)(x^3+x^2-4x+1)}$$

Sequence: A108146
Score: 6.06199
Type of gen. func.: ogf

{-a(n + 3) + 4 a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 1, a(2) = 1}

Sequence: A108146
Score: 7.62857
Type of gen. func.: ogf

$$-f(x)\,x^3 - f(x)\,x^2 + 4 f(x)\,x - 2x^2 - f(x) - 3x + 1$$

Sequence: A108152
Score: 12.4791
Type of gen. func.: ogf

$$\frac{3x-1}{x^3+2x^2+3x-1}$$

Sequence: A108152
Score: 15.1540
Type of gen. func.: lgdogf

$$-\frac{x(6x^2+3x-4)}{(3x-1)(x^3+2x^2+3x-1)}$$

Sequence: A108152
Score: 5.95850

Type of gen. func.: ogf

$$\{-a(n+3)+3\,a(n+2)+2\,a(n+1)+a(n),\ a(0)=1,\ a(1)=0,\ a(2)=2\}$$

Sequence: A108152
Score: 6.23956
Type of gen. func.: ogf

$$(63\,f(x)-127)\,(f(x)\,x^3+2\,f(x)\,x^2+3\,f(x)\,x-f(x)-3\,x+1)$$

Sequence: A108153
Score: 16.3327
Type of gen. func.: ogf

$$-\frac{x}{x^3+2\,x^2+3\,x-1}$$

Sequence: A108153
Score: 22.6589
Type of gen. func.: lgdogf

$$-\frac{3\,x^2+4\,x+3}{x^3+2\,x^2+3\,x-1}$$

Sequence: A108153
Score: 6.62137
Type of gen. func.: ogf

$$\{-a(n+3)+3\,a(n+2)+2\,a(n+1)+a(n),\ a(0)=0,\ a(1)=1,\ a(2)=3\}$$

Sequence: A108153
Score: 9.54509
Type of gen. func.: ogf

$$f(x)\,x^3+2\,f(x)\,x^2+3\,f(x)\,x-f(x)+x$$

Sequence: A108155
Score: 4.78716
Type of gen. func.: ogf

$$-(2x^{15}+4x^{14}+6x^{13}+8x^{12}+10x^{11}+15x^{10}+20x^{9}+21x^{8}+20x^{7}+17x^{6}+12x^{5}+5x^{4}+2x^{3}-x-1)\Big/\left((x^{4}+x^{3}+x^{2}+x+1)(2x^{5}-1)\right)$$

Sequence: A108177
Score: 6.50374
Type of gen. func.: ogf

$$-\frac{16x^{10}+32x^{9}+48x^{8}+56x^{7}+48x^{6}+24x^{5}+16x^{4}+8x^{3}-x-1}{(4x^{3}-1)(4x^{3}+1)(x^{2}+x+1)}$$

Sequence: A108178
Score: 5.13763
Type of gen. func.: ogf

$$-\frac{4x^{4}+31x^{3}+46x^{2}+16x+1}{(x-1)^{9}}$$

Sequence: A108178
Score: 9.93529
Type of gen. func.: lgdogf

$$-\frac{20x^{4}+202x^{3}+415x^{2}+220x+25}{(x-1)(4x^{4}+31x^{3}+46x^{2}+16x+1)}$$

Sequence: A108188
Score: 3.04594
Type of gen. func.: ogf

$\{(n + 4) a(n + 1) + (n + 4) a(n + 2) + (n + 4) a(n + 3) - a(n + 4), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 6\}$

Sequence: A108189
Score: 4.42652
Type of gen. func.: ogf

$\{(n + 4) a(n + 1) + (n + 4) a(n + 2) - a(n + 4), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 3\}$

Sequence: A108195
Score: 13.4619
Type of gen. func.: ogf

$$\frac{x^2 + 2 x - 5}{(x - 1)^3}$$

Sequence: A108195
Score: 25.1752
Type of gen. func.: lgdogf

$$-\frac{x^2 + 6 x - 13}{(x - 1) (x^2 + 2 x - 5)}$$

Sequence: A108195
Score: 7.07909
Type of gen. func.: ogf

$$(124 f(x) - 2655) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) - 2 x + 5)$$

Sequence: A108195
Score: 7.20328
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 5, a(1) = 13, a(2) = 23\}$

Sequence: A108196
Score: 4.4769
Type of gen. func.: ogf

$$-(2104 f(x) - 1019)$$

$$(f(x) x^4 - 3 f(x) x^3 + 8 f(x) x^2 - 3 f(x) x - x^2 + f(x) + 1)$$

Sequence: A108196
Score: 9.29818
Type of gen. func.: ogf

$$\frac{(x - 1) (1 + x)}{x^4 - 3 x^3 + 8 x^2 - 3 x + 1}$$

Sequence: A108196
Score: 9.46800
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - 3 x^4 - 4 x^3 + 12 x^2 - 18 x + 3}{(x - 1) (1 + x) (x^4 - 3 x^3 + 8 x^2 - 3 x + 1)}$$

Sequence: A108204
Score: 3.91854
Type of gen. func.: ogf

$$\{(n + 2) a(n + 1) + (-2 n - 4) a(n + 2) + a(n + 3), a(0) = 0, a(1) = 1,$$
$$a(2) = 2\}$$

Sequence: A108205
Score: 4.11779
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 1) + (-2 n - 4) a(n + 2) + a(n + 3), a(0) = 0, a(1) = 1,$$
$$a(2) = 2\}$$

Sequence: A108206
Score: 4.06390
Type of gen. func.: ogf

{(-n - 2) a(n + 1) + (-6 - 3 n) a(n + 2) + a(n + 3), a(0) = 0, a(1) = 1,

    a(2) = 3}

Sequence: A108207
Score: 3.99610
Type of gen. func.: ogf

{(-n - 2) a(n + 1) + (5 n + 10) a(n + 2) - a(n + 3), a(0) = 0, a(1) = 1,

    a(2) = 5}

Sequence: A108208
Score: 4.45508
Type of gen. func.: ogf

{(2 n + 4) a(n + 1) + (-4 n - 8) a(n + 2) + a(n + 3), a(0) = 0, a(1) = 2,

    a(2) = 8}

Sequence: A108209
Score: 4.05044
Type of gen. func.: ogf

{(-2 n - 4) a(n + 1) + (5 n + 10) a(n + 2) - a(n + 3), a(0) = 0, a(1) = 2,

    a(2) = 10}

Sequence: A108210
Score: 4.09241
Type of gen. func.: ogf

{(-6 - 3 n) a(n + 1) + (5 n + 10) a(n + 2) - a(n + 3), a(0) = 0, a(1) = 3,

    a(2) = 15}

Sequence: A108211
Score: 12.2963
Type of gen. func.: ogf

$$-\frac{x^2 + 14 x + 17}{(x - 1)^3}$$

Sequence: A108211
Score: 6.56496
Type of gen. func.: ogf

$$(188 f(x) - 3871) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 14 x + 17)$$

Sequence: A108211
Score: 6.67815
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 17, a(1) = 65, a(2) = 145\}$$

Sequence: A108213
Score: 10.5687
Type of gen. func.: revegf]

$$-1/14\ 7^{1/2}\ 14^{1/2} \left|\operatorname{arcsinh}\left(\frac{7^{1/2}}{7}\right) - \operatorname{arcsinh}\left(\frac{7^{1/2} (11 + x)}{77}\right)\right|$$

Sequence: A108213
Score: 12.0702
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n), a(0) = 44, a(1) = 22\}$$

Sequence: A108213
Score: 16.9496
Type of gen. func.: ogf

$$-2 f(x) x^2 + f(x) - 22 x - 44$$

Sequence: A108213

Score: 18.5263
Type of gen. func.: ogf

$$-\frac{22\,(x+2)}{2\,x^2-1}$$

Sequence: A108213
Score: 26.0694
Type of gen. func.: lgdogf

$$-\frac{2\,x^2+8\,x+1}{(x+2)\,(2\,x^2-1)}$$

Sequence: A108214
Score: 4.65874
Type of gen. func.: ogf

$$\{(n^2+7\,n+12)\,a(n+1)-a(n+2),\ a(0)=8,\ a(1)=48\}$$

Sequence: A108246
Score: 29.7190
Type of gen. func.: lgdegf]

$$2-2\,x+x^2+(-2+2\,x)\,f(x)$$

Sequence: A108246
Score: 3.70255
Type of gen. func.: ogf

$$\{(-n^2-5\,n-6)\,a(n+1)+(2\,n+6)\,a(n+2)+(-2\,n-8)\,a(n+3)$$
$$+\,2\,a(n+4),\ a(0)=1,\ a(1)=1,\ a(2)=1,\ a(3)=2\}$$

Sequence: A108248
Score: 37.6310
Type of gen. func.: ogf_with_Euler_transform]

$$x^{23} - x + 2$$

Sequence: A108261
Score: 5.00855
Type of gen. func.: ogf

$$-\frac{(5 x - 1) (x - 2)}{(x - 1) (x^2 - 6 x + 1)}$$

Sequence: A108261
Score: 5.9226
Type of gen. func.: ogf

$$(2948 f(x) + 377) (f(x) x^3 - 7 f(x) x^2 + 7 f(x) x + 5 x^2 - f(x) - 11 x + 2)$$

Sequence: A108262
Score: 4.24729
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) - 7 a(n + 1) + a(n), a(0) = 3, a(1) = 8, a(2) = 39\}$$

Sequence: A108262
Score: 6.01186
Type of gen. func.: ogf

$$(236312 f(x) + 59449) (f(x) x^3 - 7 f(x) x^2 + 7 f(x) x + 4 x^2 - f(x) - 13 x + 3)$$

Sequence: A108262
Score: 7.31509
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^4 - 13 x^3 + 36 x^2 - 17 x + 4)}{(x - 1) (x - 3) (-1 + 4 x) (x^2 - 6 x + 1)}$$

Sequence: A108262
Score: 7.74103
Type of gen. func.: ogf

$$-\frac{(-1+4x)(x-3)}{(x-1)(x^2-6x+1)}$$

Sequence: A108281
Score: 4.05219
Type of gen. func.: ogf

$$\{a(n+3)-195\,a(n+2)+195\,a(n+1)-a(n),\ a(0)=0,\ a(1)=15,\ a(2)=2926\}$$

Sequence: A108281
Score: 4.12146
Type of gen. func.: ogf

$$(2926\,f(x)+225)\,(f(x)\,x^3-195\,f(x)\,x^2+195\,f(x)\,x+x^2-f(x)+15\,x)$$

Sequence: A108281
Score: 7.77760
Type of gen. func.: ogf

$$-\frac{x(x+15)}{(x-1)(x^2-194x+1)}$$

Sequence: A108281
Score: 8.78733
Type of gen. func.: lgdogf

$$-\frac{2(x^3-75x^2-2925x+1463)}{(x+15)(x-1)(x^2-194x+1)}$$

Sequence: A108300
Score: 14.3061
Type of gen. func.: ogf

$$-\frac{2x+1}{x^2+3x-1}$$

Sequence: A108300
Score: 15.3878
Type of gen. func.: revogf

$$\frac{-1-3x+((1+x)(13x+1))^{1/2}}{2(x+2)}$$

Sequence: A108300
Score: 18.5559
Type of gen. func.: lgdogf

$$-\frac{2x^2+2x+5}{(2x+1)(x^2+3x-1)}$$

Sequence: A108300
Score: 7.85093
Type of gen. func.: ogf

$$\{a(n+2)-3a(n+1)-a(n), a(0)=1, a(1)=5\}$$

Sequence: A108300
Score: 8.81445
Type of gen. func.: ogf

$$(17f(x)+8)(f(x)x^2+3f(x)x-f(x)+2x+1)$$

Sequence: A108304
Score: 4.84538
Type of gen. func.: ogf

$$\{(9n^2+27n)a(n)+(-10n^2-64n-84)a(n+1)+(n^2+13n+42)a(n+2)$$

, a(0) = 1, a(1) = 1}

Sequence: A108306
Score: 15.6652
Type of gen. func.: ogf

$$-\frac{1 + 3 x}{3 x^2 + 3 x - 1}$$

Sequence: A108306
Score: 15.8108
Type of gen. func.: revogf

$$\frac{-1 - 3 x + (21 x^2 + 18 x + 1)^{1/2}}{6 (1 + x)}$$

Sequence: A108306
Score: 16.6429
Type of gen. func.: lgdogf

$$-\frac{3 (3 x^2 + 2 x + 2)}{(1 + 3 x) (3 x^2 + 3 x - 1)}$$

Sequence: A108306
Score: 7.74653
Type of gen. func.: ogf

$$-(61 f(x) + 83) (3 f(x) x^2 + 3 f(x) x - f(x) + 3 x + 1)$$

Sequence: A108306
Score: 8.59677
Type of gen. func.: ogf

{a(n + 2) - 3 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 6}

Sequence: A108307
Score: 4.06813
Type of gen. func.: ogf

$$\{(8 n^2 + 48 n + 64) a(n + 1) + (7 n^2 + 67 n + 148) a(n + 2) + (-n^2 - 17 n - 72) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A108308
Score: 6.65
Type of gen. func.: ogf

$$-f(x)^2 x^3 + f(x)^2 x - 2 f(x)^2 - f(x) x + 4 f(x) - 2$$

Sequence: A108308
Score: 7.73692
Type of gen. func.: lgdogf

$$\frac{-1 + 8 x + 3 x^2 - 24 x^3 + (-(8 x - 1) (x^2 - 12 x + 1)^2)^{1/2}}{2 (8 x - 1) (x^3 - x + 2)}$$

Sequence: A108351
Score: 9.09616
Type of gen. func.: ogf

$$\frac{x^2 + x - 1}{(1 + x) (x^3 + x^2 + x - 1) (x - 1)^2}$$

Sequence: A108351
Score: 9.80261
Type of gen. func.: lgdogf

$$- \frac{4 x^6 + 9 x^5 + x^4 - 4 x^3 - 4 x^2 + x + 1}{(x - 1) (1 + x) (x^2 + x - 1) (x^3 + x^2 + x - 1)}$$

Sequence: A108354
Score: 14.1291
Type of gen. func.: ogf

$$\frac{1}{(x^2 + 1)^2 (x - 1)^2}$$

Sequence: A108354
Score: 29.6407
Type of gen. func.: ogf_with_Euler_transform]

$$[2 x^3 - 2 x + 2]$$

Sequence: A108354
Score: 30.2387
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^2 - 2 x + 1)}{(x - 1) (x^2 + 1)}$$

Sequence: A108355
Score: 11.1234
Type of gen. func.: ogf

$$\frac{2 x^2 + 1}{(x^2 + 1)^2 (x - 1)^2}$$

Sequence: A108356
Score: 14.0338
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^2 - x + 1)}{(1 + x) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A108356
Score: 27.5592
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 - x^5 + x + 1$$

Sequence: A108357
Score: 11.4523
Type of gen. func.: lgdogf

$$-\frac{2 x (2 x^{10} + 3 x^8 + 4 x^6 + 2 x^2 + 1)}{(x - 1) (1 + x) (x^2 + 1) (x^4 + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A108357
Score: 12.4521
Type of gen. func.: ogf

$$-\frac{(x^2 + x + 1) (x^2 - x + 1)}{(x - 1) (1 + x) (x^2 + 1) (x^4 + 1)}$$

Sequence: A108357
Score: 17.7984
Type of gen. func.: ogf_with_Euler_transform]

$$x (x^6 - x^4 + 1)$$

Sequence: A108360
Score: 14.8600
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^3 - x^2 - 2 x + 1)}{(x - 1) (-1 + 2 x) (x^2 + 2 x - 1)}$$

Sequence: A108360
Score: 8.10501
Type of gen. func.: ogf

$$\frac{(-1+2x)^2}{(x-1)^2\,(x^2+2x-1)^2}$$

Sequence: A108361
Score: 6.53509
Type of gen. func.: ogf

$$\frac{(x^2+x-1)^2}{(1+x)\,(x-1)^2\,(x^3+x^2+x-1)^2}$$

Sequence: A108361
Score: 9.83407
Type of gen. func.: lgdogf

$$-\frac{5x^6+11x^5-3x^4-6x^3-x^2+x+1}{(x-1)\,(1+x)\,(x^2+x-1)\,(x^3+x^2+x-1)}$$

Sequence: A108362
Score: 11.2725
Type of gen. func.: lgdogf

$$-\frac{x\,(x^5-2x^4+3x^3+4x^2-3x-4)}{(x^2+x-1)\,(x^2-x-1)\,(x^3-x^2+1)}$$

Sequence: A108362
Score: 12.1919
Type of gen. func.: ogf

$$\frac{x^3-x^2+1}{(x^2+x-1)\,(x^2-x-1)}$$

Sequence: A108362
Score: 7.22042
Type of gen. func.: ogf

$$-(50 f(x) + 27) (f(x) x^4 - 3 f(x) x^2 - x^3 + x^2 + f(x) - 1)$$

Sequence: A108368
Score: 16.9919
Type of gen. func.: ogf

$$-\frac{x}{x^3 + 3 x^2 + 3 x - 1}$$

Sequence: A108368
Score: 26.9553
Type of gen. func.: lgdogf

$$-\frac{3 (1 + x)^2}{x^3 + 3 x^2 + 3 x - 1}$$

Sequence: A108368
Score: 6.88860
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + 3 a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 3\}$$

Sequence: A108368
Score: 9.93031
Type of gen. func.: ogf

$$-f(x) x^3 - 3 f(x) x^2 - 3 f(x) x + f(x) - x$$

Sequence: A108369
Score: 17.6318
Type of gen. func.: ogf

$$-\frac{x}{x^3 - 3x^2 - 3x - 1}$$

Sequence: A108369
Score: 22.6102
Type of gen. func.: lgdogf

$$-\frac{3(x^2 - 2x - 1)}{x^3 - 3x^2 - 3x - 1}$$

Sequence: A108369
Score: 6.51265
Type of gen. func.: ogf

$$\{a(n + 3) + 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = -3\}$$

Sequence: A108369
Score: 6.951
Type of gen. func.: ogf

$$-(23 f(x) - 3) (f(x) x^3 - 3 f(x) x^2 - 3 f(x) x - f(x) + x)$$

Sequence: A108390
Score: 8.18776
Type of gen. func.: ogf

$$\frac{x^8 + x^7 + x^6 + 4x^5 - 4x^4 - 4x^3 - x^2 - x - 1}{(1 + x)(x^2 - x + 1)(x^2 + x - 1)(x^4 - x^3 + 2x^2 + x + 1)}$$

Sequence: A108391
Score: 8.92219
Type of gen. func.: ogf

$$x^8 + x^7 + 3x^6 + 8x^5 + 4x^4 + 3x^2 - x + 1$$

$$- \frac{}{(1 + x) (x^2 - x + 1) (x^2 + x - 1) (x^4 - x^3 + 2 x^2 + x + 1)}$$

Sequence: A108404
Score: 13.0385
Type of gen. func.: ogf

$$- \frac{-1 + 4 x}{11 x^2 - 8 x + 1}$$

Sequence: A108404
Score: 13.9903
Type of gen. func.: lgdogf

$$- \frac{2 (22 x^2 - 11 x + 2)}{(-1 + 4 x) (11 x^2 - 8 x + 1)}$$

Sequence: A108404
Score: 6.66412
Type of gen. func.: ogf

$$-(5 f(x) + 3) (11 f(x) x^2 - 8 f(x) x + f(x) + 4 x - 1)$$

Sequence: A108404
Score: 7.22614
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 11 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A108411
Score: 10.7216
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A108411
Score: 12.4243
Type of gen. func.: ogf

$$(12 f(x) - 11) (3 f(x) x^2 - f(x) + x + 1)$$

Sequence: A108411
Score: 16.7362
Type of gen. func.: ogf

$$- \frac{1 + x}{3 x^2 - 1}$$

Sequence: A108411
Score: 18.1611
Type of gen. func.: revogf

$$\frac{-1 + (12 x^2 + 4 x + 1)^{1/2}}{2 (1 + 3 x)}$$

Sequence: A108411
Score: 21.6762
Type of gen. func.: lgdogf

$$- \frac{3 x^2 + 6 x + 1}{(1 + x) (3 x^2 - 1)}$$

Sequence: A108412
Score: 11.9364
Type of gen. func.: lgdogf

$$- \frac{2 x^5 + 3 x^4 + 4 x^3 - 4 x^2 - 10 x - 1}{(x^2 + x + 1) (x^4 - 4 x^2 + 1)}$$

Sequence: A108412

Score: 12.3911
Type of gen. func.: ogf

$$\frac{x^2 + x + 1}{x^4 - 4 x^2 + 1}$$

Sequence: A108412
Score: 7.06295
Type of gen. func.: ogf

$$-(142 f(x) + 25) (f(x) x^4 - 4 f(x) x^2 - x^2 + f(x) - x - 1)$$

Sequence: A108413
Score: 11.3771
Type of gen. func.: ogf

$$\frac{2 x^3 + 5 x^2 + x + 1}{x^4 + 4 x^2 + 1}$$

Sequence: A108413
Score: 7.3219
Type of gen. func.: ogf

$$(2 f(x) - 3) (f(x) x^4 + 4 f(x) x^2 - 2 x^3 - 5 x^2 + f(x) - x - 1)$$

Sequence: A108413
Score: 9.66397
Type of gen. func.: lgdogf

$$- \frac{2 x^6 + 10 x^5 - 5 x^4 + 4 x^3 - 2 x^2 - 2 x - 1}{(2 x^3 + 5 x^2 + x + 1) (x^4 + 4 x^2 + 1)}$$

Sequence: A108424
Score: 40.1160
Type of gen. func.: revogf

$$-\frac{x (x - 1)^2}{x - 2}$$

Sequence: A108424
Score: 9.01495
Type of gen. func.: ogf

$$-f(x)^3 x^2 + 2 f(x)^2 x - f(x) x - f(x) + 2$$

Sequence: A108427
Score: 5.49067
Type of gen. func.: ogf

$$-4 f(x)^3 x^4 - 44 f(x)^3 x^3 + 4 f(x)^3 x^2 - 4 f(x)^2 x^3 - 44 f(x)^2 x^2 + 4 f(x)^2 x - 13 f(x) x + f(x) - 1$$

Sequence: A108427
Score: 8.38997
Type of gen. func.: revogf

$$\left(5 (2 x + 1)^{(3/2)} (10 x + 1)^{1/2} x + (2 x + 1)^{(3/2)} (10 x + 1)^{1/2} - 1 - 13 x - 44 x^3 - 44 x^2\right) \Big/ \left(8 x^2 (1 + x)\right)$$

Sequence: A108432
Score: 12.5039
Type of gen. func.: revogf

$$\frac{(1 - 3 x + (17 x^2 - 10 x + 1)^{1/2}) x}{2 (-1 + 2 x)^2}$$

Sequence: A108432
Score: 4.42551
Type of gen. func.: ogf

$$8 f(x)^3 x^3 + 6 f(x)^3 x^2 - x f(x)^3 - 12 f(x)^2 x^2 - 5 f(x)^2 x + 6 f(x) x + f(x) - 1$$

Sequence: A108434
Score: 14.0288
Type of gen. func.: revogf

$$\frac{(1 - 2 x + (8 x^2 - 8 x + 1)^{1/2}) x}{2 (x - 1)^2}$$

Sequence: A108434
Score: 4.48216
Type of gen. func.: ogf

$$-f(x)^3 x^3 - 2 f(x)^3 x^2 + x f(x)^3 + 3 f(x)^2 x^2 + 3 f(x)^2 x - 3 f(x) x - f(x) + 1$$

Sequence: A108436
Score: 6.07484
Type of gen. func.: ogf

$$-f(x)^3 x^4 + 2 f(x)^2 x^3 + 2 f(x)^2 x^2 + 7 f(x) x - f(x) + 2$$

Sequence: A108436
Score: 9.11827
Type of gen. func.: revogf

$$-\frac{3 (4 x + 1)^{1/2} x + 2 (4 x + 1)^{1/2} - 2 - 7 x - 2 x^2}{2 x^2 (x - 2)}$$

Sequence: A108442
Score: 7.93
Type of gen. func.: ogf

```
          3  2       3       2           2
```

$$f(x)\ x + f(x) - f(x)\ x - 3 f(x) + f(x) x + 3 f(x) - 1$$

Sequence: A108447
Score: 15.4552
Type of gen. func.: revogf

$$-\frac{\left(1 - x + ((5 x - 1) (x - 1))^{1/2}\right) x}{2 (x - 1)}$$

Sequence: A108447
Score: 8.18926
Type of gen. func.: ogf

$$-x f(x)^{3} - f(x)^{2} x + f(x) x + f(x) - 1$$

Sequence: A108448
Score: 6.04223
Type of gen. func.: ogf

$$4 f(x)^{3} x^{3} + 44 f(x)^{3} x^{2} - 4 x f(x)^{3} - 3 f(x) x + f(x) - 1$$

Sequence: A108448
Score: 8.35701
Type of gen. func.: revogf

$$-\frac{\left(1 + 44 x^{2} + ((20 x^{2} + 4 x + 1) (-1 + 10 x)^{2})^{1/2}\right) x}{2 (x - 1) (2 x + 1)^{2}}$$

Sequence: A108474
Score: 17.9656
Type of gen. func.: ogf

$$-\frac{1}{(-1 + 2 x) (4 x^{2} + 1)}$$

Sequence: A108474
Score: 20.1152
Type of gen. func.: lgdogf

$$-\frac{2\,(12\,x^2 - 4\,x + 1)}{(-1 + 2\,x)\,(4\,x^2 + 1)}$$

Sequence: A108474
Score: 5.98855
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) + 4 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 2, a(2) = 0}

Sequence: A108474
Score: 6.45368
Type of gen. func.: ogf

$$-(f(x) - 1)\,(8\,f(x)\,x^3 - 4\,f(x)\,x^2 + 2\,f(x)\,x - f(x) + 1)$$

Sequence: A108475
Score: 13.1927
Type of gen. func.: ogf

$$-\frac{3\,x - 1}{(1 + x)\,(x^2 - 6\,x + 1)}$$

Sequence: A108475
Score: 6.18773
Type of gen. func.: ogf

{-a(n + 3) + 5 a(n + 2) + 5 a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 15}

Sequence: A108475
Score: 6.3565
Type of gen. func.: ogf

3 2

$$(22280 f(x) - 3527) (f(x) x - 5 f(x) x - 5 f(x) x + f(x) + 3 x - 1)$$

Sequence: A108476
Score: 10.0571
Type of gen. func.: lgdogf

$$-\frac{2 (32 x^3 - 36 x^2 + 12 x + 1)}{(2 x + 1) (-1 + 4 x) (4 x^2 - 8 x + 1)}$$

Sequence: A108476
Score: 10.6515
Type of gen. func.: ogf

$$-\frac{-1 + 4 x}{(2 x + 1) (4 x^2 - 8 x + 1)}$$

Sequence: A108476
Score: 5.04544
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) + 12 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 2, a(2) = 24\}$$

Sequence: A108476
Score: 5.09009
Type of gen. func.: ogf

$$-(1191 f(x) - 263) (8 f(x) x^3 - 12 f(x) x^2 - 6 f(x) x + f(x) + 4 x - 1)$$

Sequence: A108478
Score: 6.68414
Type of gen. func.: lgdogf

$$-\frac{(x - 1) (9 x^7 + x^6 - 3 x^5 - 19 x^4 - 21 x^3 - 29 x^2 - x - 1)}{(3 x^3 + x^2 + x - 1) (x^3 + x^2 + 3 x - 1) (x^3 - 3 x^2 - x - 1)}$$

Sequence: A108478
Score: 7.03611
Type of gen. func.: ogf

$$-\frac{3 x^3 + x^2 + x - 1}{(x^3 + x^2 + 3 x - 1) (x^3 - 3 x^2 - x - 1)}$$

Sequence: A108479
Score: 10.0043
Type of gen. func.: ogf

$$-\frac{x^2 + x - 1}{(x^2 + x + 1) (x^2 - 3 x + 1)}$$

Sequence: A108479
Score: 11.6694
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + x^4 - 8 x^3 + 7 x^2 + 1}{(x^2 + x + 1) (x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A108479
Score: 5.26943
Type of gen. func.: ogf

$$(48 f(x) - 17) (f(x) x^4 - 2 f(x) x^3 - f(x) x^2 - 2 f(x) x + x^2 + f(x) + x - 1)$$

Sequence: A108480
Score: 4.91183
Type of gen. func.: ogf

$$(146 f(x) - 53)$$

$$(4 f(x) x^4 - 4 f(x) x^3 - 3 f(x) x^2 - 2 f(x) x + 2 x^2 + f(x) + x - 1)$$

Sequence: A108480
Score: 8.47106
Type of gen. func.: lgdogf

$$-\frac{16 x^5 + 4 x^4 - 24 x^3 + 13 x^2 + 2 x + 1}{(-1 + 2 x) (1 + x) (4 x^4 - 4 x^3 - 3 x^2 - 2 x + 1)}$$

Sequence: A108480
Score: 9.39655
Type of gen. func.: ogf

$$-\frac{(1 + x) (-1 + 2 x)}{4 x^4 - 4 x^3 - 3 x^2 - 2 x + 1}$$

Sequence: A108481
Score: 9.26426
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3 x^4 - x^3 + x + 3}{-x^6 - x^5 - x^4 - x^3 - x^2 - x - 1}$$

Sequence: A108482
Score: 9.67259
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^4 + x^3 - x - 1}{x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}$$

Sequence: A108483
Score: 11.0534
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^4 - 1}{x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}$$

Sequence: A108484
Score: 4.6521
Type of gen. func.: ogf

$$-(464 f(x) - 165)$$

$$(9 f(x) x^4 - 6 f(x) x^3 - 5 f(x) x^2 - 2 f(x) x + 3 x^2 + f(x) + x - 1)$$

Sequence: A108484
Score: 8.55428
Type of gen. func.: lgdogf

$$- \frac{54 x^5 + 9 x^4 - 48 x^3 + 19 x^2 + 4 x + 1}{(3 x^2 + x - 1) (9 x^4 - 6 x^3 - 5 x^2 - 2 x + 1)}$$

Sequence: A108484
Score: 9.23678
Type of gen. func.: ogf

$$- \frac{3 x^2 + x - 1}{9 x^4 - 6 x^3 - 5 x^2 - 2 x + 1}$$

Sequence: A108485
Score: 5.29982
Type of gen. func.: ogf

$$(79 f(x) - 25) (4 f(x) x^4 - 8 f(x) x^3 - 4 f(x) x + 2 x^2 + f(x) + 2 x - 1)$$

Sequence: A108485
Score: 8.37624
Type of gen. func.: lgdogf

$$- \frac{2 (8 x^5 + 4 x^4 - 24 x^3 + 16 x^2 - 2 x + 1)}{(2 x^2 + 2 x - 1) (4 x^4 - 8 x^3 - 4 x + 1)}$$

Sequence: A108485
Score: 9.81769
Type of gen. func.: ogf

$$-\frac{2 x^2 + 2 x - 1}{4 x^4 - 8 x^3 - 4 x + 1}$$

Sequence: A108486
Score: 4.27142
Type of gen. func.: ogf

$$(215 f(x) - 78)$$

$$(36 f(x) x^4 - 24 f(x) x^3 - 8 f(x) x^2 - 4 f(x) x + 6 x^2 + f(x) + 2 x - 1)$$

Sequence: A108486
Score: 8.06155
Type of gen. func.: ogf

$$-\frac{6 x^2 + 2 x - 1}{36 x^4 - 24 x^3 - 8 x^2 - 4 x + 1}$$

Sequence: A108487
Score: 3.65957
Type of gen. func.: ogf

$$-(261 f(x) - 41) (100 f(x) x^4 - 200 f(x) x^3 + 80 f(x) x^2 - 20 f(x) x + 10 x^2$$

$$+ f(x) + 10 x - 1)$$

Sequence: A108487
Score: 5.60483
Type of gen. func.: lgdogf

$$-\frac{10 (200 x^5 + 100 x^4 - 440 x^3 + 160 x^2 - 18 x + 1)}{}$$

$$(10 x^2 + 10 x - 1) (100 x^4 - 200 x^3 + 80 x^2 - 20 x + 1)$$

Sequence: A108487
Score: 6.84386
Type of gen. func.: ogf

$$- \frac{10 x^2 + 10 x - 1}{100 x^4 - 200 x^3 + 80 x^2 - 20 x + 1}$$

Sequence: A108488
Score: 13.5267
Type of gen. func.: lgdogf

$$- \frac{8 x^3 - 6 x^2 - 3 x - 1}{4 x^4 - 4 x^3 - 3 x^2 - 2 x + 1}$$

Sequence: A108488
Score: 6.69155
Type of gen. func.: ogf

$$4 f(x)^2 x^4 - 4 f(x)^2 x^3 - 3 f(x)^2 x^2 - 2 f(x)^2 x + f(x)^2 - 1$$

Sequence: A108489
Score: 13.2984
Type of gen. func.: lgdogf

$$- \frac{18 x^3 - 9 x^2 - 5 x - 1}{9 x^4 - 6 x^3 - 5 x^2 - 2 x + 1}$$

Sequence: A108489
Score: 6.71365
Type of gen. func.: ogf

$$-9 f(x)^2 x^4 + 6 f(x)^2 x^3 + 5 f(x)^2 x^2 + 2 f(x)^2 x - f(x)^2 + 1$$

Sequence: A108490
Score: 11.1048
Type of gen. func.: lgdogf

$$-\frac{2 (36 x^{3} - 18 x^{2} - 4 x - 1)}{36 x^{4} - 24 x^{3} - 8 x^{2} - 4 x + 1}$$

Sequence: A108490
Score: 6.05967
Type of gen. func.: ogf

$$-36 f(x)^{2} x^{4} + 24 f(x)^{2} x^{3} + 8 f(x)^{2} x^{2} + 4 f(x)^{2} x - f(x)^{2} + 1$$

Sequence: A108494
Score: 15.8615
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^{2} - x + 2}{-x^{4} + 1}$$

Sequence: A108495
Score: 4.72188
Type of gen. func.: ogf

$$\frac{7 x^{2} (3 x^{4} + 28 x^{3} + 58 x^{2} + 28 x + 3)}{(x - 1)^{8}}$$

Sequence: A108495
Score: 9.48682
Type of gen. func.: lgdogf

$$-\frac{4 (3 x^{4} + 38 x^{3} + 108 x^{2} + 78 x + 13)}{\quad {}^{4} \qquad {}^{3} \qquad {}^{2}}$$

$$(x - 1) (3 x + 28 x + 58 x + 28 x + 3)$$

Sequence: A108520
Score: 25.8889
Type of gen. func.: ogf

$$\frac{1}{2 x^2 + 2 x + 1}$$

Sequence: A108520
Score: 35.2930
Type of gen. func.: lgdogf

$$- \frac{2 (2 x + 1)}{2 x^2 + 2 x + 1}$$

Sequence: A108520
Score: 9.15584
Type of gen. func.: ogf

$$\{a(n + 2) + 2 a(n + 1) + 2 a(n), a(0) = 1, a(1) = -2\}$$

Sequence: A108520
Score: 9.26887
Type of gen. func.: ogf

$$(f(x) - 4) (2 f(x) x^2 + 2 f(x) x + f(x) - 1)$$

Sequence: A108522
Score: 12.5892
Type of gen. func.: revegf]

$$\frac{2 \ln(1 + x) \exp(1) + Ei(1, -1 - x) - Ei(1, -1)}{\exp(1)}$$

Sequence: A108524

Score: 12.6583
Type of gen. func.: lgdogf

$$-\frac{(x-1)\left(-1+(4x^2-8x+1)^{1/2}\right)}{(x-2)\,x\,(4x^2-8x+1)^{1/2}}$$

Sequence: A108524
Score: 12.8738
Type of gen. func.: ogf

$$-f(x)^2 x^2 + 2 f(x)^2 x - f(x) + 1$$

Sequence: A108524
Score: 3.76017
Type of gen. func.: ogf

$$\{(-4n-8)\,a(n+1) + (16n+44)\,a(n+2) + (-17n-61)\,a(n+3) + (2n+10)\,a(n+4),\ a(0)=1,\ a(1)=2,\ a(2)=7,\ a(3)=32\}$$

Sequence: A108524
Score: 33.9474
Type of gen. func.: revogf

$$\frac{x\,(-1+2x)}{(x-1)\,(1+x)}$$

Sequence: A108550
Score: 3.49406
Type of gen. func.: ogf

$$(88483 + 183170 f(x))\,(3 f(x) x^4 - 16 f(x) x^3 + 2 x^4 + 24 f(x) x^2 - 10 x^3 - 12 f(x) x + 8 x^2 + f(x) + 6 x - 2)$$

Sequence: A108550
Score: 6.20293
Type of gen. func.: ogf

$$-\frac{2\,(x^2-4\,x+1)\,(x^2-x-1)}{(3\,x^2-10\,x+1)\,(x-1)^2}$$

Sequence: A108550
Score: 6.84176
Type of gen. func.: lgdogf

$$-\frac{x^5-23\,x^4+96\,x^3-136\,x^2+47\,x-9}{(x-1)\,(x^2-4\,x+1)\,(3\,x^2-10\,x+1)\,(x^2-x-1)}$$

Sequence: A108555
Score: 4.34413
Type of gen. func.: ogf

$$\frac{(x^3+x^2+x-1)\,(2\,x^5+5\,x^4-4\,x^3+10\,x^2-6\,x+1)}{(x^3+x^2+3\,x-1)\,(x-1)^2\,(x^2+2\,x-1)}$$

Sequence: A108557
Score: 5.75414
Type of gen. func.: ogf

$$\frac{12\,x^5-80\,x^4+33\,x^3+19\,x^2-9\,x+1}{(x^2-6\,x+1)\,(3\,x-1)^2}$$

Sequence: A108563
Score: 4.01315
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2\,x^{12}+2\,x^{10}-5\,x^8+2\,x^7+x^6-3\,x^5-2\,x^4+3\,x^3-2\,x^2-2\,x}{x^{13}+x^{10}+x^9+x^7+x^6+x^4+x^3+1}$$

Sequence: A108576
Score: 6.73567
Type of gen. func.: ogf

$$\frac{8 x^9 (2 x^2 + 1)}{(x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (1 + x)^2 (x - 1)^4}$$

Sequence: A108576
Score: 7.58028
Type of gen. func.: lgdogf

$$- \frac{2 (10 x^9 + 2 x^8 + 18 x^7 + 5 x^6 + 15 x^5 + 6 x^4 + 8 x^3 + 4 x^2 + 3 x + 1)}{(x - 1) (1 + x) (2 x^2 + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A108577
Score: 6.78297
Type of gen. func.: ogf

$$\frac{x^9 (2 x^2 + 1)}{(x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (1 + x)^2 (x - 1)^4}$$

Sequence: A108577
Score: 7.57617
Type of gen. func.: lgdogf

$$- \frac{2 (10 x^9 + 2 x^8 + 18 x^7 + 5 x^6 + 15 x^5 + 6 x^4 + 8 x^3 + 4 x^2 + 3 x + 1)}{(x - 1) (1 + x) (2 x^2 + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A108578
Score: 10.2285
Type of gen. func.: ogf

$$- \frac{8 x^4 (2 x + 1)}{(x^2 + x + 1) (1 + x) (x - 1)^3}$$

Sequence: A108578
Score: 13.5224
Type of gen. func.: lgdogf

$$-\frac{10 x^4 + 18 x^3 + 15 x^2 + 8 x + 3}{(x - 1) (2 x + 1) (1 + x) (x^2 + x + 1)}$$

Sequence: A108579
Score: 11.3716
Type of gen. func.: ogf

$$-\frac{x^4 (2 x + 1)}{(x^2 + x + 1) (1 + x) (x - 1)^3}$$

Sequence: A108579
Score: 14.8409
Type of gen. func.: lgdogf

$$-\frac{10 x^4 + 18 x^3 + 15 x^2 + 8 x + 3}{(x - 1) (2 x + 1) (1 + x) (x^2 + x + 1)}$$

Sequence: A108589
Score: 10.1038
Type of gen. func.: lgdogf

$$-\frac{6 x^6 + 12 x^5 + 18 x^4 + 19 x^3 + 17 x^2 + 11 x + 5}{(x - 1) (1 + x) (3 x^3 + 3 x^2 + 3 x + 2) (x^2 + 1)}$$

Sequence: A108589
Score: 12.3922
Type of gen. func.: ogf

$$3 x^3 + 3 x^2 + 3 x + 2$$

$$\overline{(x^{2} + 1) (1 + x) (x - 1)^{2}}$$

Sequence: A108600
Score: 4.88792
Type of gen. func.: ogf

$$-f(x)^{2} x^{4} - 2 f(x) x^{3} - 4 f(x)^{2} x - f(x) x^{2} + f(x)^{2} + 4 f(x) x - x^{2} - f(x) - 2 x$$

Sequence: A108623
Score: 38.5941
Type of gen. func.: revogf

$$\frac{x (x - 1)}{x^{2} + x - 1}$$

Sequence: A108623
Score: 8.17286
Type of gen. func.: lgdogf

$$- \frac{-3 x + 1 + 2 x (5 x^{2} - 2 x + 1)^{1/2} - (5 x^{2} - 2 x + 1)^{1/2}}{2 (5 x^{2} - 2 x + 1)^{1/2} x (x - 1)}$$

Sequence: A108623
Score: 8.47242
Type of gen. func.: ogf

$$f(x)^{2} x^{2} - f(x)^{2} x + f(x) x + f(x) - 1$$

Sequence: A108624
Score: 34.4130
Type of gen. func.: revogf

$$- \frac{x (1 + x)}{{}^{2}}$$

$$x - x - 1$$

Sequence: A108624
Score: 7.69232
Type of gen. func.: lgdogf

$$-\frac{-3 x - 1 + 2 x (5 x^{2} + 2 x + 1)^{1/2} + (5 x^{2} + 2 x + 1)^{1/2}}{2 (1 + x) (5 x^{2} + 2 x + 1)^{1/2} x}$$

Sequence: A108624
Score: 7.9012
Type of gen. func.: ogf

$$-f(x)^{2} x^{2} - f(x)^{2} x + f(x) x - f(x) + 1$$

Sequence: A108626
Score: 18.1523
Type of gen. func.: lgdogf

$$-\frac{2 (x^{3} + x - 1)}{(x - 1) (x^{3} + x^{2} + 3 x - 1)}$$

Sequence: A108626
Score: 8.00446
Type of gen. func.: ogf

$$f(x)^{2} x^{4} + 2 f(x)^{2} x^{2} - 4 f(x)^{2} x + f(x)^{2} - 1$$

Sequence: A108627
Score: 10.1917
Type of gen. func.: lgdogf

$$-\frac{x^{6} + x^{4} + 4 x^{3} - x^{2} - 4 x + 3}{(x - 1) (x^{3} + x - 1) (x^{3} + x^{2} + 3 x - 1)}$$

Sequence: A108627
Score: 5.29676
Type of gen. func.: ogf

$$(55 f(x) - 113) (f(x) x^4 + 2 f(x) x^2 + 2 x^3 - 4 f(x) x + f(x) + 2 x - 2)$$

Sequence: A108627
Score: 9.89885
Type of gen. func.: ogf

$$- \frac{2 (x^3 + x - 1)}{(x - 1) (x^3 + x^2 + 3 x - 1)}$$

Sequence: A108629
Score: 6.52411
Type of gen. func.: ogf

$$f(x)^2 x^3 + f(x)^2 x^2 + f(x)^2 x - f(x) x - f(x) + 1$$

Sequence: A108630
Score: 12.2805
Type of gen. func.: revogf

$$\frac{-1 + x - x^2 + (-3 x^4 + 2 x^3 - x^2 + 2 x + 1)^{1/2}}{2 (x^2 + 1)}$$

Sequence: A108630
Score: 6.58201
Type of gen. func.: ogf

$$f(x)^2 x^3 + f(x)^2 x^2 + f(x)^2 x - f(x) x - f(x) + x + 1$$

Sequence: A108642

Score: 10.4825
Type of gen. func.: lgdogf

$$-\frac{307 x^4 + 974 x^3 - 249 x^2 - 88 x + 46}{(x - 1) (307 x^4 - 127 x^3 + 44 x^2 - 44 x + 18)}$$

Sequence: A108642
Score: 7.64045
Type of gen. func.: ogf

$$-\frac{307 x^4 - 127 x^3 + 44 x^2 - 44 x + 18}{(x - 1)^5}$$

Sequence: A108645
Score: 5.16187
Type of gen. func.: ogf

$$-\frac{5 x^4 + 37 x^3 + 52 x^2 + 17 x + 1}{(x - 1)^9}$$

Sequence: A108645
Score: 9.98305
Type of gen. func.: lgdogf

$$-\frac{25 x^4 + 242 x^3 + 475 x^2 + 240 x + 26}{(x - 1) (5 x^4 + 37 x^3 + 52 x^2 + 17 x + 1)}$$

Sequence: A108646
Score: 5.27334
Type of gen. func.: ogf

$$\frac{2 x^4 + 21 x^3 + 38 x^2 + 15 x + 1}{(x - 1)^8}$$

Sequence: A108646
Score: 9.49977
Type of gen. func.: lgdogf

$$-\frac{8x^4+113x^3+291x^2+181x+23}{(x-1)(2x^4+21x^3+38x^2+15x+1)}$$

Sequence: A108647
Score: 13.5328
Type of gen. func.: lgdogf

$$-\frac{20(1+x)(x^2+5x+1)}{(x-1)(4x^3+18x^2+12x+1)}$$

Sequence: A108647
Score: 5.49949
Type of gen. func.: ogf

$$\{(n^2+11n+30)a(n+1)+(-n^2-4n-4)a(n+2),\ a(0)=1,\ a(1)=20\}$$

Sequence: A108647
Score: 5.83135
Type of gen. func.: ogf

$$\frac{4x^3+18x^2+12x+1}{(x-1)^8}$$

Sequence: A108648
Score: 13.4086
Type of gen. func.: lgdogf

$$-\frac{6(2x^3+14x^2+16x+3)}{(x-1)(3x^3+15x^2+11x+1)}$$

Sequence: A108648
Score: 3.90577
Type of gen. func.: ogf

$$\{(-n^2 - 9 n - 20) a(n + 1) + (3 n^2 + 27 n + 78) a(n + 2) + (-2 n^2 - 12 n - 18) a(n + 3), a(0) = 1, a(1) = 18, a(2) = 120\}$$

Sequence: A108648
Score: 6.64347
Type of gen. func.: ogf

$$-\frac{3 x^3 + 15 x^2 + 11 x + 1}{(x - 1)^7}$$

Sequence: A108649
Score: 13.6715
Type of gen. func.: lgdogf

$$-\frac{8 x^3 + 71 x^2 + 86 x + 17}{(x - 1) (2 x^3 + 13 x^2 + 10 x + 1)}$$

Sequence: A108649
Score: 3.46757
Type of gen. func.: ogf

$$\{(-1193 n^2 - 11641 n - 28380) a(n + 1) + (709 n^2 - 1306 n - 13353) a(n + 2) + (484 n^2 + 2885 n + 4299) a(n + 3), a(0) = 1, a(1) = 17, a(2) = 111\}$$

Sequence: A108649
Score: 6.64347
Type of gen. func.: ogf

$$2 x^3 + 13 x^2 + 10 x + 1$$

$$-\frac{\qquad}{(x-1)^7}$$

Sequence: A108650
Score: 18.3319
Type of gen. func.: lgdogf

$$-\frac{2\,(12\,x^2 + 26\,x + 7)}{(x-1)\,(6\,x^2 + 8\,x + 1)}$$

Sequence: A108650
Score: 3.51721
Type of gen. func.: ogf

$$\{(n + 4)\,a(n + 4) + (7 + 7\,n)\,a(n + 3) + (-56 - 2\,n)\,a(n + 2) + (-30 - 6\,n)\,a(n + 1),\ a(0) = 1,\ a(1) = 14,\ a(2) = 75,\ a(3) = 260\}$$

Sequence: A108650
Score: 8.07360
Type of gen. func.: ogf

$$\frac{6\,x^2 + 8\,x + 1}{(x-1)^6}$$

Sequence: A108666
Score: 17.6963
Type of gen. func.: lgdogf

$$-\frac{2\,(x^2 - 3\,x + 4)}{(x-1)\,(x^2 - 6\,x + 1)}$$

Sequence: A108670
Score: 4.86319
Type of gen. func.: ogf

$$-\frac{(1 + 3 x) (3 x^3 + 16 x^2 + 15 x + 1)}{(x - 1)^9}$$

Sequence: A108670
Score: 9.26231
Type of gen. func.: lgdogf

$$-\frac{45 x^4 + 342 x^3 + 580 x^2 + 266 x + 27}{(x - 1) (1 + 3 x) (3 x^3 + 16 x^2 + 15 x + 1)}$$

Sequence: A108671
Score: 5.37881
Type of gen. func.: ogf

$$\frac{3 x^4 + 27 x^3 + 44 x^2 + 16 x + 1}{(x - 1)^8}$$

Sequence: A108671
Score: 9.55316
Type of gen. func.: lgdogf

$$-\frac{12 x^4 + 147 x^3 + 345 x^2 + 200 x + 24}{(x - 1) (3 x^4 + 27 x^3 + 44 x^2 + 16 x + 1)}$$

Sequence: A108673
Score: 13.1009
Type of gen. func.: lgdogf

$$-\frac{24 x^3 + 123 x^2 + 114 x + 19}{(x - 1) (6 x^3 + 21 x^2 + 12 x + 1)}$$

Sequence: A108673

Score: 3.75549
Type of gen. func.: ogf

$$\{(-37 n^2 - 317 n - 660) a(n + 1) + (54 n^2 + 305 n + 831) a(n + 2) + (-17 n^2 - 108 n - 171) a(n + 3), a(0) = 1, a(1) = 19, a(2) = 133\}$$

Sequence: A108673
Score: 6.73882
Type of gen. func.: ogf

$$- \frac{6 x^3 + 21 x^2 + 12 x + 1}{(x - 1)^7}$$

Sequence: A108674
Score: 16.7885
Type of gen. func.: lgdogf

$$- \frac{3 (x^3 + 13 x^2 + 21 x + 5)}{(x - 1) (1 + x) (x^2 + 8 x + 1)}$$

Sequence: A108674
Score: 4.39317
Type of gen. func.: ogf

$$\{(-n^2 - 8 n - 16) a(n + 1) + (2 n^2 + 14 n + 35) a(n + 2) + (-n^2 - 6 n - 9) a(n + 3), a(0) = 1, a(1) = 15, a(2) = 84\}$$

Sequence: A108674
Score: 8.19144
Type of gen. func.: ogf

$$\frac{(1 + x) (x^2 + 8 x + 1)}{(x - 1)^6}$$

Sequence: A108675
Score: 5.68772
Type of gen. func.: ogf

$$-\frac{x^4 + 14 x^3 + 31 x^2 + 14 x + 1}{(x - 1)^7}$$

Sequence: A108675
Score: 9.94534
Type of gen. func.: lgdogf

$$-\frac{3 x^4 + 60 x^3 + 197 x^2 + 146 x + 21}{(x - 1) (x^4 + 14 x^3 + 31 x^2 + 14 x + 1)}$$

Sequence: A108676
Score: 12.9435
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^3 + 27 x^2 + 37 x + 8)}{(x - 1) (2 x^3 + 12 x^2 + 10 x + 1)}$$

Sequence: A108676
Score: 3.55854
Type of gen. func.: ogf

$$\{(-43 n^2 - 313 n - 564) a(n + 1) + (116 n^2 + 900 n + 2488) a(n + 2)$$

$$+ (-73 n^2 - 437 n - 654) a(n + 3), a(0) = 1, a(1) = 16, a(2) = 93\}$$

Sequence: A108676
Score: 7.00814
Type of gen. func.: ogf

$$\frac{2 x^3 + 12 x^2 + 10 x + 1}{}$$

$$(x - 1)^{6}$$

Sequence: A108677
Score: 18.5687
Type of gen. func.: lgdogf

$$- \frac{(4 + 3 x) (15 x + 4)}{(x - 1) (9 x^{2} + 9 x + 1)}$$

Sequence: A108677
Score: 3.74678
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (8 + 8 n) a(n + 3) - 72 a(n + 2) + (-54 - 9 n) a(n + 1),$$

$$a(0) = 1, a(1) = 16, a(2) = 100, a(3) = 399\}$$

Sequence: A108677
Score: 7.22316
Type of gen. func.: ogf

$$- \frac{9 x^{2} + 9 x + 1}{(x - 1)^{7}}$$

Sequence: A108678
Score: 10.2681
Type of gen. func.: ogf

$$- \frac{2 x^{2} + 5 x + 1}{(x - 1)^{5}}$$

Sequence: A108678
Score: 21.5306
Type of gen. func.: lgdogf

$$2 (3 x^{2} + 12 x + 5)$$

$$- \frac{}{(x-1)(2x^2+5x+1)}$$

Sequence: A108678
Score: 4.03574
Type of gen. func.: ogf

{(n + 4) a(n + 4) + (2 + 4 n) a(n + 3) + (-30 - 3 n) a(n + 2)

+ (-2 n - 8) a(n + 1), a(0) = 1, a(1) = 10, a(2) = 42, a(3) = 120}

Sequence: A108679
Score: 12.2539
Type of gen. func.: lgdogf

$$- \frac{7(x^4+12x^3+30x^2+20x+3)}{(x-1)(x^4+10x^3+20x^2+10x+1)}$$

Sequence: A108679
Score: 4.77204
Type of gen. func.: ogf

$$- \frac{x^4+10x^3+20x^2+10x+1}{(x-1)^{11}}$$

Sequence: A108679
Score: 6.28512
Type of gen. func.: ogf

$\{(n^2 + 15 n + 56) a(n + 1) + (-n^2 - 5 n - 6) a(n + 2), a(0) = 1, a(1) = 21\}$

Sequence: A108680
Score: 13.2647
Type of gen. func.: lgdogf

$$- \frac{2(12x^3+55x^2+50x+9)}{}$$

$$(x - 1) (4 x^3 + 14 x^2 + 9 x + 1)$$

Sequence: A108680
Score: 3.84204
Type of gen. func.: ogf

$$\{(-4 n^2 - 48 n - 140) a(n + 1) + (5 n^2 + 31 n + 78) a(n + 2) + (-n^2 - 7 n - 12) a(n + 3), a(0) = 1, a(1) = 18, a(2) = 140\}$$

Sequence: A108680
Score: 5.58011
Type of gen. func.: ogf

$$- \frac{4 x^3 + 14 x^2 + 9 x + 1}{(x - 1)^9}$$

Sequence: A108681
Score: 18.1106
Type of gen. func.: lgdogf

$$- \frac{36 x^2 + 61 x + 15}{(x - 1) (6 x + 1) (1 + x)}$$

Sequence: A108681
Score: 3.38397
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (3 + 6 n) a(n + 3) + (-63 - n) a(n + 2) + (-42 - 6 n) a(n + 1), a(0) = 1, a(1) = 15, a(2) = 98, a(3) = 420\}$$

Sequence: A108681
Score: 6.44870
Type of gen. func.: ogf

$$\frac{(1 + x) (6 x + 1)}{}$$

$$(x-1)^8$$

Sequence: A108682
Score: 12.9368
Type of gen. func.: lgdogf

$$-\frac{20x^3+96x^2+91x+17}{(x-1)(4x^3+14x^2+9x+1)}$$

Sequence: A108682
Score: 4.00345
Type of gen. func.: ogf

$$\{(-179n^2-1799n-4350)a(n+1)+(274n^2+1867n+5715)a(n+2)$$
$$+(-95n^2-656n-1113)a(n+3), a(0)=1, a(1)=17, a(2)=122\}$$

Sequence: A108682
Score: 6.92770
Type of gen. func.: ogf

$$\frac{4x^3+14x^2+9x+1}{(x-1)^8}$$

Sequence: A108683
Score: 18.5255
Type of gen. func.: lgdogf

$$-\frac{2(15x^2+27x+7)}{(x-1)(6x+1)(1+x)}$$

Sequence: A108683
Score: 3.55299
Type of gen. func.: ogf

$$\{(n+4)a(n+4)+(4+6n)a(n+3)+(-56-n)a(n+2)+(-36-6n)a(n+1),\ a(0)=1,\ a(1)=14,\ a(2)=83,\ a(3)=322\}$$

Sequence: A108683
Score: 7.39901
Type of gen. func.: ogf

$$-\frac{(1+x)(6x+1)}{(x-1)^7}$$

Sequence: A108684
Score: 14.5456
Type of gen. func.: lgdogf

$$-\frac{4x^3+48x^2+66x+15}{(x-1)(x^3+9x^2+8x+1)}$$

Sequence: A108684
Score: 3.45171
Type of gen. func.: ogf

$$\{(-696n^2-7014n-17670)a(n+1)+(233n^2-2819n-15030)a(n+2)+(463n^2+2879n+4470)a(n+3),\ a(0)=1,\ a(1)=15,\ a(2)=93\}$$

Sequence: A108684
Score: 6.64044
Type of gen. func.: ogf

$$-\frac{x^3+9x^2+8x+1}{(x-1)^7}$$

Sequence: A108704
Score: 14.7877
Type of gen. func.: lgdegf]

$$7 + 7 x - 14 x^{2} + (-4 x^{2} + 16 x - 5) f(x) + (-2 + 4 x) f(x)^{2}$$

Sequence: A108704
Score: 3.85746
Type of gen. func.: ogf

$$\{(-2 n^{2} - 10 n - 12) a(n + 1) + (n + 3) a(n + 2) + (2 n + 7) a(n + 3)$$
$$- a(n + 4), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 18\}$$

Sequence: A108716
Score: 4.28922
Type of gen. func.: ogf

$$\{-a(n + 3) + 21 a(n + 2) - 35 a(n + 1) + 7 a(n), a(0) = 3, a(1) = 21,$$
$$a(2) = 371\}$$

Sequence: A108716
Score: 4.32619
Type of gen. func.: ogf

$$(17 f(x) - 2) (7 f(x) x^{3} - 35 f(x) x^{2} + 21 f(x) x + 35 x^{2} - f(x) - 42 x + 3)$$

Sequence: A108716
Score: 6.91195
Type of gen. func.: lgdogf

$$- \frac{7 (35 x^{4} - 84 x^{3} + 114 x^{2} - 20 x + 3)}{(35 x^{2} - 42 x + 3) (7 x^{3} - 35 x^{2} + 21 x - 1)}$$

Sequence: A108716
Score: 7.72060
Type of gen. func.: ogf

$$- \frac{35 x^{2} - 42 x + 3}{{}^{3} \qquad {}^{2}}$$

$$7 x - 35 x + 21 x - 1$$

Sequence: A108732
Score: 14.4335
Type of gen. func.: ogf

$$-\frac{11 (x + 2)}{2 x^2 - 1}$$

Sequence: A108732
Score: 16.3928
Type of gen. func.: revogf

$$\frac{-11 + (2 x^2 + 11 x + 121)^{1/2}}{11 + 2 x}$$

Sequence: A108732
Score: 20.2178
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 8 x + 1}{(x + 2) (2 x^2 - 1)}$$

Sequence: A108732
Score: 8.61999
Type of gen. func.: ogf

$$(36 f(x) - 781) (2 f(x) x^2 - f(x) + 11 x + 22)$$

Sequence: A108732
Score: 9.40362
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n), a(0) = 22, a(1) = 11\}$$

Sequence: A108733
Score: 22.2808
Type of gen. func.: ogf

$$-18\,x - 1 + f(x)^{3}$$

Sequence: A108733
Score: 6.72626
Type of gen. func.: ogf

$$\{(-n - 2)\,a(n + 2) + (-12 - 18\,n)\,a(n + 1),\ a(0) = 1,\ a(1) = 6\}$$

Sequence: A108733
Score: 72.7962
Type of gen. func.: lgdogf

$$\frac{6}{1 + 18\,x}$$

Sequence: A108734
Score: 24.4339
Type of gen. func.: ogf

$$24\,x + 1 - f(x)^{2}$$

Sequence: A108734
Score: 7.30735
Type of gen. func.: ogf

$$\{(-n - 2)\,a(n + 2) + (-12 - 24\,n)\,a(n + 1),\ a(0) = 1,\ a(1) = 12\}$$

Sequence: A108734
Score: 72.4422
Type of gen. func.: lgdogf

$$\frac{12}{1 + 24\,x}$$

Sequence: A108734
Score: 9.71786
Type of gen. func.: revogf

$$\frac{1}{72} \sin\left(\frac{2}{3} \arcsin(36 x 3^{1/2})\right) 3^{1/2} + \frac{1}{72} \cos\left(\frac{2}{3} \arcsin(36 x 3^{1/2})\right) - \frac{1}{72}$$

Sequence: A108735
Score: 18.7233
Type of gen. func.: ogf

$$12 x + 1 - f(x)^2$$

Sequence: A108735
Score: 5.70615
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (-6 - 12 n) a(n + 1), a(0) = 1, a(1) = 6\}$$

Sequence: A108735
Score: 61.4125
Type of gen. func.: lgdogf

$$\frac{6}{1 + 12 x}$$

Sequence: A108735
Score: 7.48933
Type of gen. func.: revogf

$$\frac{1}{36} \sin\left(\frac{2}{3} \arcsin(18 x 3^{1/2})\right) 3^{1/2} + \frac{1}{36} \cos\left(\frac{2}{3} \arcsin(18 x 3^{1/2})\right) - \frac{1}{36}$$

Sequence: A108741
Score: 12.5814
Type of gen. func.: ogf

$$- \frac{x (1 + x)}{(x - 1) (x^2 - 98 x + 1)}$$

Sequence: A108741
Score: 15.2875
Type of gen. func.: lgdogf

$$-\frac{2\,(x^3 - 48\,x^2 - 99\,x + 50)}{(x - 1)\,(1 + x)\,(x^2 - 98\,x + 1)}$$

Sequence: A108741
Score: 6.45479
Type of gen. func.: ogf

$$\{a(n + 3) - 99\,a(n + 2) + 99\,a(n + 1) - a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 100\}$$

Sequence: A108741
Score: 6.6874
Type of gen. func.: ogf

$$(100\,f(x) + 1)\,(f(x)\,x^3 - 99\,f(x)\,x^2 + 99\,f(x)\,x + x^2 - f(x) + x)$$

Sequence: A108742
Score: 12.1977
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{x^4 - 2\,x^2 - x + 1}$$

Sequence: A108742
Score: 12.5855
Type of gen. func.: lgdogf

$$-\frac{2\,x^5 - 3\,x^4 - 4\,x^3 + 3\,x^2 + 2\,x + 2}{(x^2 - x - 1)\,(x^4 - 2\,x^2 - x + 1)}$$

Sequence: A108742
Score: 6.3595
Type of gen. func.: ogf

$$-(59 f(x) + 27) (f(x) x^4 - 2 f(x) x^2 - f(x) x + x^2 + f(x) - x - 1)$$

Sequence: A108752
Score: 11.7695
Type of gen. func.: ogf

$$\frac{x (x^2 + 2 x + 3)}{(x^2 + 1) (x - 1)^2}$$

Sequence: A108752
Score: 4.33925
Type of gen. func.: ogf

$$\{(-3 n - 10) a(n + 1) + (3 n + 7) a(n + 2) + (-3 n - 10) a(n + 3)$$

$$+ (3 n + 7) a(n + 4), a(0) = 0, a(1) = 3, a(2) = 8, a(3) = 11\}$$

Sequence: A108752
Score: 6.22589
Type of gen. func.: ogf

$$(204 f(x) + 2461)$$

$$(f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - x^3 - 2 f(x) x - 2 x^2 + f(x) - 3 x)$$

Sequence: A108758
Score: 6.07011
Type of gen. func.: ogf

$$-f(x) (f(x) x^5 - f(x) x^4 - x^5 + x^4 + 2 f(x) x - x^2 - f(x) - x + 1)$$

Sequence: A108758
Score: 9.69642
Type of gen. func.: ogf

$$\frac{x^5 - x^4 + x^2 + x - 1}{x^5 - x^4 + 2 x - 1}$$

Sequence: A108765
Score: 10.8959
Type of gen. func.: ogf

$$-\frac{x^2 - x + 1}{(3 x - 1) (x - 1)^2}$$

Sequence: A108765
Score: 14.4804
Type of gen. func.: lgdogf

$$-\frac{3 x^3 - 3 x^2 + 8 x - 4}{(x - 1) (3 x - 1) (x^2 - x + 1)}$$

Sequence: A108765
Score: 5.88187
Type of gen. func.: ogf

$$(193 f(x) - 1) (3 f(x) x^3 - 7 f(x) x^2 + 5 f(x) x + x^2 - f(x) - x + 1)$$

Sequence: A108765
Score: 5.88188
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 7 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 4, a(2) = 14\}$$

Sequence: A108766
Score: 12.6506
Type of gen. func.: ogf

3   2

$$\frac{x - 3 x + 5 x - 1}{(x - 1)^4}$$

Sequence: A108766
Score: 22.9133
Type of gen. func.: lgdogf

$$- \frac{x^3 - 3 x^2 + 9 x + 1}{(x - 1) (x^3 - 3 x^2 + 5 x - 1)}$$

Sequence: A108766
Score: 5.29398
Type of gen. func.: ogf

$$\{(9 n^2 + 57 n + 78) a(n + 1) + (-22 n^2 - 128 n - 174) a(n + 2)$$

$$+ (13 n^2 + 59 n + 60) a(n + 3), a(0) = -1, a(1) = 1, a(2) = 7\}$$

Sequence: A108766
Score: 7.05865
Type of gen. func.: ogf

$$(10 f(x) + 1)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x + 3 x^2 + f(x) - 5 x + 1)$$

Sequence: A108781
Score: 26.2238
Type of gen. func.: lgdogf

$$- \frac{4 x^2 + 7 x + 1}{(x - 1) (8 x^2 - x + 1)}$$

Sequence: A108781
Score: 4.04394
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-7 - 2 n) a(n + 3) + (11 + 9 n) a(n + 2) + (-12 - 8 n) a(n + 1), a(0) = 1, a(1) = 1, a(2) = 5, a(3) = 9\}$$

Sequence: A108781
Score: 8.60968
Type of gen. func.: ogf

$$f(x)^2 x^3 - 3 f(x)^2 x^2 + 3 f(x)^2 x - f(x)^2 + 8 x^2 - x + 1$$

Sequence: A108791
Score: 4.75177
Type of gen. func.: ogf

$$(20568760 f(x) + 4433579) (f(x) x^3 + 19 f(x) x^2 + 19 f(x) x + x^2 + f(x) - 26 x + 5)$$

Sequence: A108791
Score: 5.07121
Type of gen. func.: ogf

$$\{a(n + 3) + 19 a(n + 2) + 19 a(n + 1) + a(n), a(0) = -5, a(1) = 121, a(2) = -2205\}$$

Sequence: A108791
Score: 9.42928
Type of gen. func.: ogf

$$- \frac{x^2 - 26 x + 5}{(1 + x) (x^2 + 18 x + 1)}$$

Sequence: A108791
Score: 9.80381
Type of gen. func.: lgdogf

$$x^4 - 52 x^3 - 498 x^2 + 188 x + 121$$

```
                - ---------------------------------------
                             2               2
                  (1 + x) (x  + 18 x + 1) (x  - 26 x + 5)
```

Sequence: A108808
Score: 6.94857
Type of gen. func.: ogf

$$\frac{2 (x - 2) (x^3 - 6 x^2 + 4 x - 1)}{4 x^5 - 6 x^4 - 91 x^3 + 75 x^2 - 23 x + 1}$$

Sequence: A108812
Score: 13.3279
Type of gen. func.: ogf

$$-\frac{41 x^4 + 31 x^3 + 21 x^2 + 11 x + 1}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A108812
Score: 7.98545
Type of gen. func.: lgdogf

$$-\frac{41 x^8 + 62 x^7 + 63 x^6 + 44 x^5 + 5 x^4 + 164 x^3 + 93 x^2 + 42 x + 11}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (41 x^4 + 31 x^3 + 21 x^2 + 11 x + 1)}$$

Sequence: A108851
Score: 12.8450
Type of gen. func.: ogf

$$\frac{-1 + 2 x}{3 x^2 + 4 x - 1}$$

Sequence: A108851
Score: 14.5041
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^2-3\,x-1)}{(-1+2\,x)\,(3\,x^2+4\,x-1)}$$

Sequence: A108851
Score: 6.49466
Type of gen. func.: ogf

$$(133\,f(x)-117)\,(3\,f(x)\,x^2+4\,f(x)\,x-f(x)-2\,x+1)$$

Sequence: A108851
Score: 7.04907
Type of gen. func.: ogf

$$\{-a(n+2)+4\,a(n+1)+3\,a(n),\ a(0)=1,\ a(1)=2\}$$

Sequence: A108869
Score: 33.2549
Type of gen. func.: lgdegf]

$$-7+6\,x+(1-x)\,f(x)$$

Sequence: A108869
Score: 4.24346
Type of gen. func.: ogf

$$\{(-6\,n-12)\,a(n+1)+(n+9)\,a(n+2)-a(n+3),\ a(0)=1,\ a(1)=7,\ a(2)=50\}$$

Sequence: A108896
Score: 10.1662
Type of gen. func.: ogf

$$-\frac{990\,x-949}{(-1+10\,x)\,(x-1)}$$

Sequence: A108896
Score: 5.82555
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 949, a(1) = 9449\}$$

Sequence: A108896
Score: 6.27624
Type of gen. func.: ogf

$$-(84959 f(x) + 8657510) (10 f(x) x^2 - 11 f(x) x + f(x) + 990 x - 949)$$

Sequence: A108896
Score: 9.39600
Type of gen. func.: revogf

$$- \frac{-949 - 11 x + (81 x^2 + 16918 x + 900601)^{1/2}}{20 (99 + x)}$$

Sequence: A108896
Score: 9.75738
Type of gen. func.: lgdogf

$$- \frac{9900 x^2 - 18980 x + 9449}{(x - 1) (-1 + 10 x) (990 x - 949)}$$

Sequence: A108898
Score: 17.6814
Type of gen. func.: lgdogf

$$- \frac{16 x^3 - 6 x^2 - 1}{(x - 1) (-1 + 4 x) (2 x^2 + 2 x - 1)}$$

Sequence: A108898
Score: 18.6962
Type of gen. func.: ogf

$$\frac{-1 + 4 x}{(x - 1) (2 x^{2} + 2 x - 1)}$$

Sequence: A108898
Score: 8.95030
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 2 a(n), a(0) = -1, a(1) = 1, a(2) = 3}

Sequence: A108898
Score: 9.89796
Type of gen. func.: ogf

$$(3 f(x) + 5) (2 f(x) x^{3} - 3 f(x) x + f(x) - 4 x + 1)$$

Sequence: A108903
Score: 10.1662
Type of gen. func.: ogf

$$- \frac{990 x - 959}{(-1 + 10 x) (x - 1)}$$

Sequence: A108903
Score: 4.93785
Type of gen. func.: ogf

$$-(85969 f(x) + 8930210) (10 f(x) x^{2} - 11 f(x) x + f(x) + 990 x - 959)$$

Sequence: A108903
Score: 5.82555
Type of gen. func.: ogf

{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 959, a(1) = 9559}

Sequence: A108903
Score: 9.39600
Type of gen. func.: revogf

$$-\frac{-959 - 11 x + (81 x^2 + 17138 x + 919681)^{1/2}}{20 (99 + x)}$$

Sequence: A108903
Score: 9.75738
Type of gen. func.: lgdogf

$$-\frac{9900 x^2 - 19180 x + 9559}{(x - 1) (990 x - 959) (-1 + 10 x)}$$

Sequence: A108904
Score: 10.1662
Type of gen. func.: ogf

$$-\frac{11 (90 x - 89)}{(-1 + 10 x) (x - 1)}$$

Sequence: A108904
Score: 10.7954
Type of gen. func.: lgdogf

$$-\frac{900 x^2 - 1780 x + 889}{(x - 1) (90 x - 89) (-1 + 10 x)}$$

Sequence: A108904
Score: 5.03373
Type of gen. func.: ogf

$$-(7999 f(x) + 862510) (10 f(x) x^2 - 11 f(x) x + f(x) + 990 x - 979)$$

Sequence: A108904
Score: 5.82555
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 979, a(1) = 9779\}$$

Sequence: A108904
Score: 9.39600
Type of gen. func.: revogf

$$-\frac{-979 - 11 x + (81 x^2 + 17578 x + 958441)^{1/2}}{20 (99 + x)}$$

Sequence: A108907
Score: 11.9656
Type of gen. func.: ogf

$$x^6 (1 + x)^6 (x^2 + x + 1)^6 (x^2 - x + 1)^6$$

Sequence: A108907
Score: 18.3022
Type of gen. func.: lgdogf

$$\frac{6 (5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1)}{(1 + x) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A108908
Score: 5.72114
Type of gen. func.: ogf

$$\frac{20 x^6 + 7 x^5 + 9 x^4 + 19 x^3 + 8 x^2 + 9 x + 9}{(x - 1) (-1 + 10 x) (1 + x) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A108922
Score: 15.7067
Type of gen. func.: ogf

$$\frac{1}{(x^8 + 1) (x - 1)^2}$$

Sequence: A108922
Score: 27.9288
Type of gen. func.: lgdogf

$$-\frac{2\,(5\,x^{8}-4\,x^{7}+1)}{(x-1)\,(x^{8}+1)}$$

Sequence: A108922
Score: 30.2720
Type of gen. func.: ogf_with_Euler_transform]

$$x^{15}-x^{7}+2$$

Sequence: A108923
Score: 11.2173
Type of gen. func.: ogf

$$-\frac{1}{(x^{8}+1)\,(x-1)^{3}}$$

Sequence: A108923
Score: 26.6193
Type of gen. func.: lgdogf

$$-\frac{11\,x^{8}-8\,x^{7}+3}{(x-1)\,(x^{8}+1)}$$

Sequence: A108923
Score: 27.9177
Type of gen. func.: ogf_with_Euler_transform]

$$x^{15}-x^{7}+3$$

Sequence: A108924
Score: 10.3677
Type of gen. func.: ogf

$$-\frac{(1 + x) (-1 + 2 x)}{(x - 1) (2 x + 1) (-1 + 4 x)}$$

Sequence: A108924
Score: 5.45201
Type of gen. func.: ogf

$$-(43 f(x) - 3) (8 f(x) x^3 - 6 f(x) x^2 - 3 f(x) x + 2 x^2 + f(x) + x - 1)$$

Sequence: A108924
Score: 5.59674
Type of gen. func.: ogf

{-a(n + 3) + 3 a(n + 2) + 6 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 2, a(2) = 10}

Sequence: A108924
Score: 9.53415
Type of gen. func.: lgdogf

$$-\frac{2 (8 x^4 + 8 x^3 - 12 x^2 + 4 x + 1)}{(x - 1) (-1 + 4 x) (2 x + 1) (-1 + 2 x) (1 + x)}$$

Sequence: A108928
Score: 12.8002
Type of gen. func.: ogf

$$\frac{(1 + 3 x) (x - 5)}{(x - 1)^3}$$

Sequence: A108928
Score: 21.0424
Type of gen. func.: lgdogf

$$3 x^2 - 22 x - 29$$

$$- \frac{}{(x - 5) (x - 1) (1 + 3 x)}$$

Sequence: A108928
Score: 6.78302
Type of gen. func.: ogf

$$(484 f(x) - 7035) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 3 x^2 - f(x) + 14 x + 5)$$

Sequence: A108928
Score: 6.96152
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 5, a(1) = 29, a(2) = 69\}$$

Sequence: A108929
Score: 6.68905
Type of gen. func.: lgdogf

$$- \frac{x^8 + 4 x^7 + 9 x^6 + 2 x^5 + 9 x^4 - 4 x^3 - 3 x^2 + 2 x + 4}{(x - 1) (x^2 + x + 1) (x^2 + 4 x - 1) (x^4 + 2 x^3 - 1)}$$

Sequence: A108929
Score: 7.58711
Type of gen. func.: ogf

$$- \frac{x^4 + 2 x^3 - 1}{(x - 1) (x^2 + x + 1) (x^2 + 4 x - 1)}$$

Sequence: A108931
Score: 10.1570
Type of gen. func.: lgdogf

$$- \frac{4 x^5 - 9 x^4 + 4 x^3 + 18 x^2 - 16 x + 3}{(x - 1) (-1 + 2 x) (x^2 + 2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A108931
Score: 11.5418
Type of gen. func.: ogf

$$\frac{x (-1 + 2 x) (x - 1)}{(x^2 + 2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A108931
Score: 6.97077
Type of gen. func.: ogf

$$(344 f(x) + 117) (f(x) x^4 - 6 f(x) x^2 - 2 x^3 + 3 x^2 + f(x) - x)$$

Sequence: A108932
Score: 16.0684
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^5 + x^4 + 1}{x^8 - 1}$$

Sequence: A108946
Score: 10.2164
Type of gen. func.: lgdogf

$$- \frac{2 x^5 + 7 x^4 + 12 x^3 + 16 x^2 + 2 x - 3}{(x - 1) (1 + x) (x^2 + x + 1) (x^2 + 4 x + 1)}$$

Sequence: A108946
Score: 11.1342
Type of gen. func.: ogf

$$- \frac{x^2 + x + 1}{(x - 1) (1 + x) (x^2 + 4 x + 1)}$$

Sequence: A108946
Score: 5.95774
Type of gen. func.: ogf

$$(838 f(x) - 81) (f(x) x^4 + 4 f(x) x^3 - 4 f(x) x + x^2 - f(x) + x + 1)$$

Sequence: A108958
Score: 4.14165
Type of gen. func.: ogf

$$\{(8 n^2 + 44 n + 60) a(n + 1) + (-6 n^2 - 34 n - 46) a(n + 2) + (n^2 + 6 n + 8) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 6\}$$

Sequence: A108958
Score: 5.51182
Type of gen. func.: ogf

$$-16 f(x)^2 x^4 + 20 f(x)^2 x^3 - 8 f(x)^2 x^2 + f(x)^2 x + 8 f(x) x^2 - 6 f(x) x + f(x) - x$$

Sequence: A108961
Score: 10.3393
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^6 + x^5 + x^4 - x^3 + x^2 + x + 1}{x^8 - 1}$$

Sequence: A108981
Score: 13.3781
Type of gen. func.: ogf

$$-\frac{2 x + 1}{(1 + x) (-1 + 4 x)}$$

Sequence: A108981
Score: 14.0351
Type of gen. func.: revogf

$$\frac{-1 - 3 x + (25 x^2 + 14 x + 1)^{1/2}}{4 (2 x + 1)}$$

Sequence: A108981
Score: 15.9317
Type of gen. func.: lgdogf

$$- \frac{8 x^2 + 8 x + 5}{(-1 + 4 x) (2 x + 1) (1 + x)}$$

Sequence: A108981
Score: 7.00017
Type of gen. func.: ogf

$$(23 f(x) + 2) (4 f(x) x^2 + 3 f(x) x - f(x) + 2 x + 1)$$

Sequence: A108981
Score: 7.34163
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A108982
Score: 13.6693
Type of gen. func.: ogf

$$- \frac{2 x + 1}{(1 + x) (5 x - 1)}$$

Sequence: A108982
Score: 14.3513
Type of gen. func.: revogf

$$\frac{-4 x - 1 + (36 x^2 + 16 x + 1)^{1/2}}{2 (2 + 5 x)}$$

Sequence: A108982
Score: 15.8619
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^2 + 5 x + 3)}{(2 x + 1) (5 x - 1) (1 + x)}$$

Sequence: A108982
Score: 7.15253
Type of gen. func.: ogf

$$(17 f(x) + 1) (5 f(x) x^2 + 4 f(x) x - f(x) + 2 x + 1)$$

Sequence: A108982
Score: 7.50143
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) - 5 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A108983
Score: 13.4635
Type of gen. func.: ogf

$$- \frac{2 x + 1}{(1 + x) (6 x - 1)}$$

Sequence: A108983
Score: 14.1353
Type of gen. func.: revogf

$$\frac{-5 x - 1 + (49 x^2 + 18 x + 1)^{1/2}}{4 (1 + 3 x)}$$

Sequence: A108983
Score: 15.6232
Type of gen. func.: lgdogf

$$-\frac{12 x^2 + 12 x + 7}{(6 x - 1) (2 x + 1) (1 + x)}$$

Sequence: A108983
Score: 7.04488
Type of gen. func.: ogf

$$(47 f(x) + 2) (6 f(x) x^2 + 5 f(x) x - f(x) + 2 x + 1)$$

Sequence: A108983
Score: 7.38852
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) - 6 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A108984
Score: 12.7152
Type of gen. func.: revogf

$$\frac{-1 - 6 x + ((4 x + 1) (16 x + 1))^{1/2}}{2 (2 + 7 x)}$$

Sequence: A108984
Score: 12.9815
Type of gen. func.: ogf

$$-\frac{2 x + 1}{(1 + x) (7 x - 1)}$$

Sequence: A108984
Score: 15.0575
Type of gen. func.: lgdogf

$$-\frac{2\,(7\,x^2+7\,x+4)}{(2\,x+1)\,(7\,x-1)\,(1+x)}$$

Sequence: A108984
Score: 6.79265
Type of gen. func.: ogf

$$(31\,f(x)+1)\,(7\,f(x)\,x^2+6\,f(x)\,x-f(x)+2\,x+1)$$

Sequence: A108984
Score: 7.12399
Type of gen. func.: ogf

$$\{a(n+2)-6\,a(n+1)-7\,a(n),\ a(0)=1,\ a(1)=8\}$$

Sequence: A108985
Score: 8.01185
Type of gen. func.: lgdogf

$$-\frac{(x^2+1)\,(x^6-6\,x^4-14\,x^3-3\,x^2+6\,x+4)}{(x-1)\,(1+x)\,(x^2+x+1)\,(x^2+2\,x-1)\,(x^3-x^2-x-1)}$$

Sequence: A108985
Score: 8.35882
Type of gen. func.: ogf

$$-\frac{(1+x)\,(x^3-x^2-x-1)}{(x-1)\,(x^2+x+1)\,(x^2+2\,x-1)}$$

Sequence: A109002
Score: 3.49263
Type of gen. func.: ogf

$$\{-a(n+3)+11\,a(n+2)-10\,a(n+1),\ a(0)=9,\ a(1)=89,\ a(2)=899\}$$

Sequence: A109002
Score: 3.70011
Type of gen. func.: ogf

$$(550 + 819 f(x)) (10 f(x) x^2 - 11 f(x) x - 10 x^2 + f(x) + 10 x - 9)$$

Sequence: A109002
Score: 6.55633
Type of gen. func.: ogf

$$\frac{10 x^2 - 10 x + 9}{(-1 + 10 x) (x - 1)}$$

Sequence: A109002
Score: 7.11527
Type of gen. func.: lgdogf

$$-\frac{10 x^2 + 160 x - 89}{(x - 1) (-1 + 10 x) (10 x^2 - 10 x + 9)}$$

Sequence: A109007
Score: 11.8262
Type of gen. func.: ogf

$$-(7 f(x) - 18) (f(x) x^3 + x^2 - f(x) + x + 3)$$

Sequence: A109007
Score: 12.4487
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n), a(0) = 3, a(1) = 1, a(2) = 1\}$$

Sequence: A109007
Score: 18.5528
Type of gen. func.: lgdogf

$$-\frac{x^4 + 2 x^3 + 9 x^2 + 2 x + 1}{(x - 1) (x^2 + x + 1) (x^2 + x + 3)}$$

Sequence: A109007
Score: 19.3082
Type of gen. func.: ogf

$$-\frac{x^2 + x + 3}{(x - 1) (x^2 + x + 1)}$$

Sequence: A109008
Score: 12.6147
Type of gen. func.: ogf

$$f(x) (f(x) x^4 + x^3 + 2 x^2 - f(x) + x + 4)$$

Sequence: A109008
Score: 12.7074
Type of gen. func.: lgdogf

$$-\frac{x^6 + 4 x^5 + 3 x^4 + 16 x^3 + 3 x^2 + 4 x + 1}{(x - 1) (1 + x) (x^2 + 1) (x^3 + 2 x^2 + x + 4)}$$

Sequence: A109008
Score: 16.5982
Type of gen. func.: ogf

$$-\frac{x^3 + 2 x^2 + x + 4}{(x - 1) (1 + x) (x^2 + 1)}$$

Sequence: A109009
Score: 10.1938
Type of gen. func.: lgdogf

$$-\frac{x^8+2x^7+3x^6+4x^5+25x^4+4x^3+3x^2+2x+1}{(x-1)(x^4+x^3+x^2+x+1)(x^4+x^3+x^2+x+5)}$$

Sequence: A109009
Score: 14.5554
Type of gen. func.: ogf

$$-\frac{x^4+x^3+x^2+x+5}{(x-1)(x^4+x^3+x^2+x+1)}$$

Sequence: A109010
Score: 11.6802
Type of gen. func.: ogf

$$-\frac{x^6+x^5+x^4+x^3+x^2+x+7}{(x-1)(x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A109010
Score: 6.92268
Type of gen. func.: lgdogf

$$-(x^{12}+2x^{11}+3x^{10}+4x^9+5x^8+6x^7+49x^6+6x^5+5x^4+4x^3+3x^2+2x+1)\Big/((x-1)(x^6+x^5+x^4+x^3+x^2+x+1)(x^6+x^5+x^4+x^3+x^2+x+7))$$

Sequence: A109011
Score: 10.6303
Type of gen. func.: ogf

$$-\frac{x^7+2x^6+x^5+4x^4+x^3+2x^2+x+8}{(x-1)(1+x)(x^2+1)(x^4+1)}$$

Sequence: A109012
Score: 9.75361
Type of gen. func.: ogf

$$-\frac{x^8+x^7+3x^6+x^5+x^4+3x^3+x^2+x+9}{(x-1)(x^2+x+1)(x^6+x^3+1)}$$

Sequence: A109013
Score: 8.95569
Type of gen. func.: ogf

$$-\frac{x^9+2x^8+x^7+2x^6+5x^5+2x^4+x^3+2x^2+x+10}{(x-1)(1+x)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)}$$

Sequence: A109014
Score: 8.31875
Type of gen. func.: ogf

$$-\frac{x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+11}{(x-1)(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A109015
Score: 7.71980
Type of gen. func.: ogf

$$-\frac{x^{11}+2x^{10}+3x^9+4x^8+x^7+6x^6+x^5+4x^4+3x^3+2x^2+x+12}{(x-1)(1+x)(x^2+x+1)(x^2-x+1)(x^2+1)(x^4-x^2+1)}$$

Sequence: A109017
Score: 12.5569
Type of gen. func.: ogf

$$x\,(x^2+1)\,(x^4-x^2+1)$$

$$\frac{}{x^{8} - x^{4} + 1}$$

Sequence: A109017
Score: 16.3616
Type of gen. func.: lgdogf

$$- \frac{2 x^{3} (x^{10} + x^{6} + 4 x^{4} - 3 x^{2} - 2)}{(x^{2} + 1) (x^{4} - x^{2} + 1) (x^{8} - x^{4} + 1)}$$

Sequence: A109020
Score: 12.5942
Type of gen. func.: ogf

$$- \frac{x (1 + x)}{(x - 1) (3 x - 1) (7 x - 1)}$$

Sequence: A109020
Score: 14.0801
Type of gen. func.: lgdogf

$$- \frac{2 (21 x^{3} + 16 x^{2} - 31 x + 6)}{(x - 1) (3 x - 1) (7 x - 1) (1 + x)}$$

Sequence: A109020
Score: 6.57090
Type of gen. func.: ogf

$\{a(n + 3) - 11 a(n + 2) + 31 a(n + 1) - 21 a(n), a(0) = 0, a(1) = 1, a(2) = 12\}$

Sequence: A109020
Score: 6.80769
Type of gen. func.: ogf

$$(12 f(x) + 1) (21 f(x) x^{3} - 31 f(x) x^{2} + 11 f(x) x + x^{2} - f(x) + x)$$

Sequence: A109021
Score: 15.5468
Type of gen. func.: ogf

$$-\frac{8 x^{2}}{(x-1)(3 x-1)(7 x-1)}$$

Sequence: A109021
Score: 18.9737
Type of gen. func.: lgdogf

$$-\frac{63 x^{2}-62 x+11}{(x-1)(3 x-1)(7 x-1)}$$

Sequence: A109021
Score: 6.60396
Type of gen. func.: ogf

{a(n + 3) - 11 a(n + 2) + 31 a(n + 1) - 21 a(n), a(0) = 0, a(1) = 0, a(2) = 8}

Sequence: A109021
Score: 8.8839
Type of gen. func.: ogf

$$21 f(x) x^{3}-31 f(x) x^{2}+11 f(x) x+8 x^{2}-f(x)$$

Sequence: A109033
Score: 16.0620
Type of gen. func.: revogf

$$1/2-x^{2}-\frac{(4 x^{4}+4 x^{2}-4 x+1)^{1/2}}{2}$$

Sequence: A109033
Score: 9.63505
Type of gen. func.: ogf

$$-2 f(x)^2 x^2 + 2 f(x)^2 x - f(x) - x + 1$$

Sequence: A109034
Score: 11.393
Type of gen. func.: ogf

$$-x^2 + 2 x - 1 + f(x) - 2 f(x)^2 x$$

Sequence: A109039
Score: 5.44621
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4 x^{11} + x^{10} + x^9 + 2 x^8 + 3 x^7 + x^6 + 4 x^5 + x^4 + 3 x^3 + 2 x^2 + x + 1}{-x^{12} + 1}$$

Sequence: A109041
Score: 15.0448
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-6 x^2 - 9 x - 9}{x^3 - 1}$$

Sequence: A109043
Score: 14.3878
Type of gen. func.: ogf

$$\frac{2 x (x^2 + x + 1)}{(1 + x)^2 (x - 1)^2}$$

Sequence: A109043
Score: 20.5952
Type of gen. func.: lgdogf

$${}^{3} \qquad {}^{2}$$

$$-\frac{2 x + 3 x + 6 x + 1}{(x - 1) (1 + x) (x^2 + x + 1)}$$

Sequence: A109043
Score: 34.9830
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + 2 x + 1$$

Sequence: A109043
Score: 7.63181
Type of gen. func.: ogf

$$\{(n + 3) a(n + 1) + (-n - 1) a(n + 3), a(0) = 0, a(1) = 2, a(2) = 2\}$$

Sequence: A109043
Score: 8.68968
Type of gen. func.: ogf

$$-(f(x) - 2) (f(x) x^4 - 2 f(x) x^2 - 2 x^3 - 2 x^2 + f(x) - 2 x)$$

Sequence: A109044
Score: 11.2344
Type of gen. func.: ogf

$$\frac{3 x (x^4 + 2 x^3 + x^2 + 2 x + 1)}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A109044
Score: 11.5212
Type of gen. func.: lgdogf

$$-\frac{2 (x^6 + 3 x^5 + 2 x^4 + 7 x^3 + 6 x^2 + x + 1)}{(x - 1) (x^2 + x + 1) (x^4 + 2 x^3 + x^2 + 2 x + 1)}$$

Sequence: A109044
Score: 6.81139
Type of gen. func.: ogf

$$\{(-n-4)\,a(n+1)+(n+1)\,a(n+4),\ a(0)=0,\ a(1)=3,\ a(2)=6,\ a(3)=3\}$$

Sequence: A109045
Score: 7.39957
Type of gen. func.: lgdogf

$$-\frac{2x^9+3x^8+12x^7+5x^6+24x^5+12x^4+20x^3+3x^2+6x+1}{(x-1)(1+x)(x^2+1)(x^6+x^5+3x^4+x^3+3x^2+x+1)}$$

Sequence: A109045
Score: 8.69774
Type of gen. func.: ogf

$$\frac{4x(x^6+x^5+3x^4+x^3+3x^2+x+1)}{(x-1)^2(1+x)^2(x^2+1)^2}$$

Sequence: A109046
Score: 7.27630
Type of gen. func.: ogf

$$\frac{5x(x^4+x^3+3x^2+x+1)(x^4+x^3-x^2+x+1)}{(x-1)^2(x^4+x^3+x^2+x+1)^2}$$

Sequence: A109047
Score: 6.29660
Type of gen. func.: ogf

$$\frac{6x(x^{10}+x^9+x^8+2x^7+5x^6+x^5+5x^4+2x^3+x^2+x+1)}{(x-1)^2(1+x)^2(x^2+x+1)^2(x^2-x+1)^2}$$

Sequence: A109048
Score: 5.33890
Type of gen. func.: ogf

$$7 x (x^{12} + 2 x^{11} + 3 x^{10} + 4 x^{9} + 5 x^{8} + 6 x^{7} + x^{6} + 6 x^{5} + 5 x^{4} + 4 x^{3} + 3 x^{2} + 2 x + 1) / ((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A109049
Score: 4.90727
Type of gen. func.: ogf

$$8 x (x^{2} - x + 1) (x^{12} + 2 x^{11} + 4 x^{10} + 3 x^{9} + 4 x^{8} + 4 x^{7} + 7 x^{6} + 4 x^{5} + 4 x^{4} + 3 x^{3} + 4 x^{2} + 2 x + 1) / ((x - 1)^{2} (1 + x)^{2} (x^{2} + 1)^{2} (x^{4} + 1)^{2})$$

Sequence: A109050
Score: 4.23061
Type of gen. func.: ogf

$$9 x (x^{14} + 3 x^{13} + 3 x^{12} + 4 x^{11} + 6 x^{10} + 4 x^{9} + 5 x^{8} + 9 x^{7} + 5 x^{6} + 4 x^{5} + 6 x^{4} + 4 x^{3} + 3 x^{2} + 3 x + 1) (x^{2} - x + 1) / ((x - 1)^{2} (x^{2} + x + 1)^{2} (x^{6} + x^{3} + 1))$$

Sequence: A109063
Score: 9.89022
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-4 x^{3} - 3 x^{2} - 2 x - 1}{-x^{4} - x^{3} - x^{2} - x - 1}$$

Sequence: A109064
Score: 10.9336

Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4 x^4 - 5 x^3 - 5 x^2 - 5 x - 5}{x^5 - 1}$$

Sequence: A109078
Score: 4.54908
Type of gen. func.: ogf

$$-2 f(x)^2 x^4 + f(x)^2 x^3 - 4 f(x)^2 x^2 - 4 f(x) x^3 + 2 f(x)^2 x + 4 f(x) x^2 - 5 f(x) x - 2 x^2 + 2 f(x) + 3 x - 2$$

Sequence: A109081
Score: 32.6168
Type of gen. func.: revogf

$$\frac{x (x - 1)^2}{x^2 - x + 1}$$

Sequence: A109081
Score: 6.65719
Type of gen. func.: ogf

$$-f(x)^3 x^2 + f(x)^2 x^2 + 2 f(x)^2 x - f(x) x - f(x) + 1$$

Sequence: A109094
Score: 13.1894
Type of gen. func.: lgdogf

$$-\frac{x^5 - 3 x^4 - x^3 - 11 x^2 - 8 x - 2}{(x - 1) (1 + x) (x^4 - 2 x^3 - x^2 - x - 1)}$$

Sequence: A109094

Score: 8.55369
Type of gen. func.: ogf

$$\frac{x (x^4 - 2 x^3 - x^2 - x - 1)}{(1 + x)^2 (x - 1)^3}$$

Sequence: A109095
Score: 6.38151
Type of gen. func.: egf]

(179 f(x) - 3648)

$$(f(x) x^3 - 4 x^4 - 3 f(x) x^2 + 8 x^3 + 3 f(x) x - f(x) - 8 x + 6)$$

Sequence: A109105
Score: 10.5811
Type of gen. func.: ogf

$$- \frac{40 (-1 + 2 x)}{25 x^2 - 15 x + 1}$$

Sequence: A109105
Score: 12.3752
Type of gen. func.: lgdogf

$$- \frac{50 x^2 - 50 x + 13}{(-1 + 2 x) (25 x^2 - 15 x + 1)}$$

Sequence: A109105
Score: 5.40077
Type of gen. func.: ogf

$$-(29 f(x) + 192) (25 f(x) x^2 - 15 f(x) x + f(x) + 80 x - 40)$$

Sequence: A109105
Score: 5.95947

Type of gen. func.: ogf

$$\{a(n+2) - 15\,a(n+1) + 25\,a(n),\ a(0) = 40,\ a(1) = 520\}$$

Sequence: A109105
Score: 9.75738
Type of gen. func.: revogf

$$-\frac{-40 - 15\,x + (125\,x^2 + 880\,x + 1600)^{1/2}}{10\,(16 + 5\,x)}$$

Sequence: A109106
Score: 10.8016
Type of gen. func.: ogf

$$-\frac{2\,(5\,x - 1)}{25\,x^2 - 15\,x + 1}$$

Sequence: A109106
Score: 11.0249
Type of gen. func.: revogf

$$-\frac{-2 - 15\,x + (125\,x^2 + 20\,x + 4)^{1/2}}{10\,(2 + 5\,x)}$$

Sequence: A109106
Score: 12.0749
Type of gen. func.: lgdogf

$$-\frac{5\,(25\,x^2 - 10\,x + 2)}{(5\,x - 1)\,(25\,x^2 - 15\,x + 1)}$$

Sequence: A109106
Score: 5.51572
Type of gen. func.: ogf

$$-(21 f(x) - 10) (25 f(x) x^2 - 15 f(x) x + f(x) + 10 x - 2)$$

Sequence: A109106
Score: 6.09973
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1) + 25 a(n), a(0) = 2, a(1) = 20\}$$

Sequence: A109107
Score: 16.3221
Type of gen. func.: ogf

$$-\frac{2}{x^2 + 10 x - 1}$$

Sequence: A109107
Score: 16.9809
Type of gen. func.: revogf

$$\frac{-1 - 5 x + (26 x^2 + 10 x + 1)^{1/2}}{x}$$

Sequence: A109107
Score: 25.8757
Type of gen. func.: lgdogf

$$-\frac{2 (5 + x)}{x^2 + 10 x - 1}$$

Sequence: A109107
Score: 6.30627
Type of gen. func.: ogf

$$(10301 f(x) - 602) (f(x) x^2 + 10 f(x) x - f(x) + 2)$$

Sequence: A109107
Score: 6.60656
Type of gen. func.: ogf

$$\{-a(n+2)+10a(n+1)+a(n),\ a(0)=2,\ a(1)=20\}$$

Sequence: A109108
Score: 11.3730
Type of gen. func.: ogf

$$\frac{x-1}{x^2+10x-1}$$

Sequence: A109108
Score: 12.1808
Type of gen. func.: revogf

$$\frac{-10x-1+(104x^2+16x+1)^{1/2}}{2(x-1)}$$

Sequence: A109108
Score: 15.9874
Type of gen. func.: lgdogf

$$-\frac{x^2-2x-9}{(x-1)(x^2+10x-1)}$$

Sequence: A109108
Score: 5.68649
Type of gen. func.: ogf

$$-(92f(x)-11)(f(x)x^2+10f(x)x-f(x)-x+1)$$

Sequence: A109108
Score: 6.30310
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) + a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A109109
Score: 13.3201
Type of gen. func.: revogf

$$\frac{-10 x - 1 + (104 x^2 - 4 x + 1)^{1/2}}{2 (-6 + x)}$$

Sequence: A109109
Score: 15.1201
Type of gen. func.: lgdogf

$$- \frac{2 (3 x + 2) (x - 1)}{(6 x - 1) (x^2 + 10 x - 1)}$$

Sequence: A109109
Score: 15.5535
Type of gen. func.: ogf

$$\frac{6 x - 1}{x^2 + 10 x - 1}$$

Sequence: A109109
Score: 7.77677
Type of gen. func.: ogf

$$-(21 f(x) - 13) (f(x) x^2 + 10 f(x) x - f(x) - 6 x + 1)$$

Sequence: A109109
Score: 8.62002
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) + a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A109110
Score: 11.4267
Type of gen. func.: ogf

$$-\frac{2x^2 - x - 4}{x^3 - x^2 - 2x + 1}$$

Sequence: A109110
Score: 12.6586
Type of gen. func.: lgdogf

$$-\frac{2x^4 - 2x^3 - 7x^2 + 4x + 9}{(2x^2 - x - 4)(x^3 - x^2 - 2x + 1)}$$

Sequence: A109110
Score: 6.00888
Type of gen. func.: ogf

$$-(6 f(x) + 11)(f(x) x^3 - f(x) x^2 - 2 f(x) x + 2 x^2 + f(x) - x - 4)$$

Sequence: A109110
Score: 6.16842
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) - a(n + 1) + a(n), a(0) = 4, a(1) = 9, a(2) = 20}

Sequence: A109111
Score: 4.59331
Type of gen. func.: ogf

$$(116155 f(x) + 18253)(750 f(x) x^2 - 250 f(x) x + f(x) - 10 x - 2)$$

Sequence: A109111
Score: 5.16749
Type of gen. func.: ogf

$\{-a(n + 2) + 250 a(n + 1) - 750 a(n), a(0) = 2, a(1) = 510\}$

Sequence: A109111
Score: 8.39243
Type of gen. func.: revogf

$$-\frac{-1 - 125 x + ((85 x + 1) (175 x + 1))^{1/2}}{10 (-1 + 75 x)}$$

Sequence: A109111
Score: 9.07753
Type of gen. func.: lgdogf

$$-\frac{15 (250 x^2 + 100 x - 17)}{(5 x + 1) (750 x^2 - 250 x + 1)}$$

Sequence: A109111
Score: 9.09478
Type of gen. func.: ogf

$$\frac{2 (5 x + 1)}{750 x^2 - 250 x + 1}$$

Sequence: A109112
Score: 13.3959
Type of gen. func.: ogf

$$\frac{x + 2}{3 x^2 - 6 x + 1}$$

Sequence: A109112
Score: 14.7659
Type of gen. func.: revogf

$$-\frac{-1 - 3 x + ((1 + x) (6 x + 1))^{1/2}}{}$$

$$3 x - 1$$

Sequence: A109112
Score: 15.9632
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 12 x - 13}{(x + 2) (3 x^2 - 6 x + 1)}$$

Sequence: A109112
Score: 6.92891
Type of gen. func.: ogf

$$(66 f(x) + 37) (3 f(x) x^2 - 6 f(x) x + f(x) - x - 2)$$

Sequence: A109112
Score: 7.26283
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 3 a(n), a(0) = 2, a(1) = 13\}$$

Sequence: A109113
Score: 12.9149
Type of gen. func.: ogf

$$-\frac{2 (1 + x)}{3 x^2 + 6 x - 1}$$

Sequence: A109113
Score: 14.2297
Type of gen. func.: revogf

$$\frac{-1 - 3 x + ((2 x + 1) (6 x + 1))^{1/2}}{3 x + 2}$$

Sequence: A109113
Score: 16.7408
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 6 x + 7}{(1 + x) (3 x^2 + 6 x - 1)}$$

Sequence: A109113
Score: 6.75781
Type of gen. func.: ogf

$$(24 f(x) + 1) (3 f(x) x^2 + 6 f(x) x - f(x) + 2 x + 2)$$

Sequence: A109113
Score: 7.00207
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) - 3 a(n), a(0) = 2, a(1) = 14\}$$

Sequence: A109114
Score: 13.7962
Type of gen. func.: revogf

$$-\frac{-5 x - 1 + ((1 + x) (13 x + 1))^{1/2}}{2 (3 x - 1)}$$

Sequence: A109114
Score: 14.0749
Type of gen. func.: ogf

$$\frac{1 + x}{3 x^2 - 5 x + 1}$$

Sequence: A109114
Score: 17.7379
Type of gen. func.: lgdogf

$$-\frac{3\,(x^2+2\,x-2)}{(1+x)\,(3\,x^2-5\,x+1)}$$

Sequence: A109114
Score: 7.28011
Type of gen. func.: ogf

$$(23\,f(x)+25)\,(3\,f(x)\,x^2-5\,f(x)\,x+f(x)-x-1)$$

Sequence: A109114
Score: 7.72401
Type of gen. func.: ogf

$$\{-a(n+2)+5\,a(n+1)-3\,a(n),\ a(0)=1,\ a(1)=6\}$$

Sequence: A109115
Score: 13.0511
Type of gen. func.: revogf

$$\frac{-4\,x-1+((2\,x+1)\,(14\,x+1))^{1/2}}{2\,(3\,x+2)}$$

Sequence: A109115
Score: 13.3258
Type of gen. func.: ogf

$$-\frac{2\,x+1}{3\,x^2+4\,x-1}$$

Sequence: A109115
Score: 17.2735
Type of gen. func.: lgdogf

$$-\frac{6\,(x^2+x+1)}{{}^{2}}$$

$$(2 x + 1) (3 x + 4 x - 1)$$

Sequence: A109115
Score: 6.58969
Type of gen. func.: ogf

$$-(31 f(x) + 17) (3 f(x) x^2 + 4 f(x) x - f(x) + 2 x + 1)$$

Sequence: A109115
Score: 7.31295
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A109116
Score: 5.74959
Type of gen. func.: ogf

$$\frac{4 (4 x^4 - x^3 - 105 x^2 - 73 x - 5)}{(x - 1)^7}$$

Sequence: A109117
Score: 5.81175
Type of gen. func.: ogf

$$\frac{27 x^4 + 398 x^3 + 636 x^2 + 138 x + 1}{(x - 1)^6}$$

Sequence: A109117
Score: 8.54151
Type of gen. func.: lgdogf

$$- \frac{6 (9 x^4 + 217 x^3 + 623 x^2 + 327 x + 24)}{(x - 1) (27 x^4 + 398 x^3 + 636 x^2 + 138 x + 1)}$$

Sequence: A109118
Score: 4.76958
Type of gen. func.: ogf

$$\frac{2\,(x^6 - 6\,x^5 + 13\,x^4 - 132\,x^3 - 477\,x^2 - 118\,x - 1)}{(x - 1)^7}$$

Sequence: A109118
Score: 6.67247
Type of gen. func.: lgdogf

$$-\frac{x^6 - 6\,x^5 + 9\,x^4 - 476\,x^3 - 2781\,x^2 - 1662\,x - 125}{(x - 1)\,(x^6 - 6\,x^5 + 13\,x^4 - 132\,x^3 - 477\,x^2 - 118\,x - 1)}$$

Sequence: A109119
Score: 4.08007
Type of gen. func.: ogf

$$-\frac{2\,(x^6 + 1324\,x^5 + 20495\,x^4 + 46360\,x^3 + 20495\,x^2 + 1324\,x + 1)}{(x - 1)^7}$$

Sequence: A109120
Score: 4.80098
Type of gen. func.: ogf

$$-\frac{20\,(256\,x^4 + 2771\,x^3 + 4539\,x^2 + 1385\,x + 49)}{(x - 1)^7}$$

Sequence: A109120
Score: 7.19939
Type of gen. func.: lgdogf

$$-\,\frac{12\,(64\,x^4 + 1009\,x^3 + 2584\,x^2 + 1449\,x + 144)}{}$$

$$(x - 1) (256 x^4 + 2771 x^3 + 4539 x^2 + 1385 x + 49)$$

Sequence: A109121
Score: 3.86458
Type of gen. func.: ogf

$$- \frac{10 (243 x^5 + 8539 x^4 + 33404 x^3 + 25068 x^2 + 3281 x + 25)}{(x - 1)^7}$$

Sequence: A109122
Score: 4.42643
Type of gen. func.: ogf

$$- \frac{4 (325 x^5 + 11293 x^4 + 39262 x^3 + 24542 x^2 + 2333 x + 5)}{(x - 1)^7}$$

Sequence: A109123
Score: 4.54429
Type of gen. func.: ogf

$$\frac{16 (2 x^5 - 14 x^4 + 15 x^3 - 473 x^2 - 403 x - 27)}{(x - 1)^7}$$

Sequence: A109123
Score: 7.27525
Type of gen. func.: lgdogf

$$- \frac{4 (x^5 - 8 x^4 + x^3 - 580 x^2 - 841 x - 148)}{(x - 1) (2 x^5 - 14 x^4 + 15 x^3 - 473 x^2 - 403 x - 27)}$$

Sequence: A109125
Score: 3.90040
Type of gen. func.: ogf

```
            8      7       6      5       4       3      2
           x  - 7 x  + 17 x  - 9 x  - 26 x  + 37 x  + 5 x  - 23 x - 2
           ----------------------------------------------------------
                                           9
                                    (x - 1)
```

Sequence: A109125
Score: 5.52124
Type of gen. func.: lgdogf

```
          8      7      6       5        4        3        2
         x  - 6 x  + 2 x  + 66 x  - 175 x  + 118 x  + 146 x  - 174 x - 41
     - ---------------------------------------------------------------------
                 8      7       6      5       4       3      2
       (x - 1) (x  - 7 x  + 17 x  - 9 x  - 26 x  + 37 x  + 5 x  - 23 x - 2)
```

Sequence: A109130
Score: 5.27289
Type of gen. func.: ogf

```
           8        7         6        5        4       3       2
      130 x  - 608 x  + 1099 x  - 925 x  + 320 x  - 10 x  + 10 x  - 5 x + 1
    - ---------------------------------------------------------------------
                                           5
                                    (x - 1)
```

Sequence: A109130
Score: 6.02149
Type of gen. func.: lgdogf

```
   3       5        4         3         2                   /
3 x  (130 x  - 752 x  + 1785 x  - 2198 x  + 1435 x - 420)  /  ((x - 1)
                                                          /

          8        7         6        5        4       3       2
    (130 x  - 608 x  + 1099 x  - 925 x  + 320 x  - 10 x  + 10 x  - 5 x + 1))
```

Sequence: A109141
Score: 15.4345
Type of gen. func.: lgdogf

```
                                    2
                            6 x (4 x  + 55 x + 22)
                          ---------------------------
                              4        3        2
                          24 x  + 440 x  + 264 x  + 1
```

Sequence: A109142
Score: 6.48635
Type of gen. func.: lgdogf

$$12 x^3 (117 x^5 + 1887 x^4 + 3570 x^3 + 2142 x^2 + 425 x + 51) / ((24 x^3 + 33 x^2 + 6 x + 1) (117 x^6 + 1962 x^5 + 1863 x^4 + 156 x^3 + 3 x^2 - 6 x + 1))$$

Sequence: A109149
Score: 12.6729
Type of gen. func.: lgdogf

$$\frac{8 x^6 (x^9 + 1116 x^2 + 63 x + 868)}{x^{16} + 1984 x^9 + 126 x^8 + 1984 x^7 + 1}$$

Sequence: A109164
Score: 12.6859
Type of gen. func.: ogf

$$- \frac{2 x + 1}{(x - 1) (x^2 - 3 x + 1)}$$

Sequence: A109164
Score: 14.3297
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 5 x^2 - 8 x + 6}{(x - 1) (2 x + 1) (x^2 - 3 x + 1)}$$

Sequence: A109164
Score: 5.95001
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 1, a(1) = 6, a(2) = 20\}$$

Sequence: A109164
Score: 6.16836
Type of gen. func.: ogf

$$(1601 f(x) - 1021) (f(x) x^3 - 4 f(x) x^2 + 4 f(x) x - f(x) + 2 x + 1)$$

Sequence: A109165
Score: 12.8289
Type of gen. func.: lgdogf

$$- \frac{2 (6 x^4 + 4 x^3 - 5 x^2 - 5 x - 1)}{(2 x + 1) (2 x^4 - 5 x^2 + 1)}$$

Sequence: A109165
Score: 14.1564
Type of gen. func.: ogf

$$\frac{2 x + 1}{2 x^4 - 5 x^2 + 1}$$

Sequence: A109165
Score: 7.53984
Type of gen. func.: ogf

$$-(169 f(x) + 40) (2 f(x) x^4 - 5 f(x) x^2 + f(x) - 2 x - 1)$$

Sequence: A109175
Score: 4.57776
Type of gen. func.: ogf

$$-(292 f(x) - 625) (f(x) x^4 + 2 f(x) x^3 + x^4 - 2 f(x) x^2 - 2 x^3 - 2 f(x) x - x^2 + f(x) - x - 1)$$

Sequence: A109175
Score: 8.23998
Type of gen. func.: ogf

$$-\frac{x^4 - 2x^3 - x^2 - x - 1}{(x - 1)(1 + x)(x^2 + 2x - 1)}$$

Sequence: A109175
Score: 8.92116
Type of gen. func.: lgdogf

$$\frac{4x^6 - 2x^5 + 3x^4 + 20x^3 - 6x - 3}{(x - 1)(1 + x)(x^2 + 2x - 1)(x^4 - 2x^3 - x^2 - x - 1)}$$

Sequence: A109188
Score: 16.7192
Type of gen. func.: lgdogf

$$-\frac{2(3x^2 - 4x - 1)}{(x - 1)(3x - 1)(1 + x)}$$

Sequence: A109190
Score: 16.4998
Type of gen. func.: revogf

$$\frac{(-x + (5x^2 - 2x + 1)^{1/2})\,x}{4x^2 - 2x + 1}$$

Sequence: A109190
Score: 7.85703
Type of gen. func.: lgdogf

$$-\frac{-1 - 2x + 12x^3 + 11x^2 + (-(1 + x)(3x - 1)(x - 1)^2)^{1/2}}{(1 + x)(3x - 1)(4x^2 + 2x - 1)}$$

Sequence: A109190
Score: 8.27274
Type of gen. func.: ogf

$$-4 f(x)^2 x^2 - 2 f(x)^2 x + f(x)^2 + 2 f(x) x - 1$$

Sequence: A109192
Score: 6.63075
Type of gen. func.: ogf

$$f(x)^2 x^4 + 3 f(x)^2 x^2 + 2 f(x)^2 x - 2 f(x) x^2 - f(x)^2 + 1$$

Sequence: A109220
Score: 10.5467
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - 3 x^4 - 4 x^3 + 4 x^2 + 2 x + 3}{(x^2 - x - 1) (x^4 - 2 x^2 - 2 x + 1)}$$

Sequence: A109220
Score: 10.5899
Type of gen. func.: ogf

$$- \frac{x^2 - x - 1}{x^4 - 2 x^2 - 2 x + 1}$$

Sequence: A109220
Score: 5.42844
Type of gen. func.: ogf

$$-(772 f(x) + 143) (f(x) x^4 - 2 f(x) x^2 - 2 f(x) x + x^2 + f(x) - x - 1)$$

Sequence: A109222
Score: 10.7324

Type of gen. func.: ogf

$$-\frac{(x-1)(1+x)^2}{x^4-2x^2-x+1}$$

Sequence: A109222
Score: 6.22299
Type of gen. func.: ogf

$$(4f(x)+3)(f(x)x^4-2f(x)x^2+x^3-f(x)x+x^2+f(x)-x-1)$$

Sequence: A109237
Score: 4.69822
Type of gen. func.: ogf

$$(2x^{15}+x^{14}+x^{13}+2x^{12}+x^{11}+x^{10}+2x^9+x^8+x^7+2x^6+x^5+x^4+2x^3+x^2+x+1) \Big/ \left((1+x)(x^2+1)(x^4+1)(x^8+1)(x-1)^2\right)$$

Sequence: A109241
Score: 14.3828
Type of gen. func.: revogf

$$-\frac{-110x-1+(8100x^2+220x+1)^{1/2}}{2000x}$$

Sequence: A109241
Score: 17.3173
Type of gen. func.: ogf

$$\frac{1}{(100x-1)(-1+10x)}$$

Sequence: A109241
Score: 19.0360
Type of gen. func.: lgdogf

$$-\frac{10(-11+200x)}{(100x-1)(-1+10x)}$$

Sequence: A109241
Score: 7.39389
Type of gen. func.: ogf

$$(101 f(x) + 20) (1000 f(x) x^2 - 110 f(x) x + f(x) - 1)$$

Sequence: A109241
Score: 7.39389
Type of gen. func.: ogf

$$\{-a(n + 2) + 110 a(n + 1) - 1000 a(n), a(0) = 1, a(1) = 110\}$$

Sequence: A109242
Score: 3.13572
Type of gen. func.: ogf

$$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 1, a(1) = 111, a(2) = 11211\}$$

Sequence: A109242
Score: 5.4838
Type of gen. func.: ogf

$$(101111101 f(x) - 313000) (1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - f(x) + 1)$$

Sequence: A109242
Score: 8.02419
Type of gen. func.: lgdogf

$$-\frac{3(1000x^2 - 740x + 37)}{(x-1)(100x-1)(-1+10x)}$$

Sequence: A109242
Score: 8.78002
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(100x-1)(-1+10x)}$$

Sequence: A109243
Score: 6.12858
Type of gen. func.: ogf

$$-\frac{x(32x^5-8x^4-8x^3+6x^2-2x-1)}{(2x+1)^2(-1+2x)^2(2x^2-1)^2}$$

Sequence: A109247
Score: 16.7485
Type of gen. func.: lgdogf

$$\frac{3x(x^5+2x^4-3x-2)}{(x^4-3x^3-3x^2+1)(x^4+1)}$$

Sequence: A109247
Score: 6.62076
Type of gen. func.: ogf

$$(2f(x)+7)(f(x)x^4-x^4+3x^3+3x^2+f(x)-1)$$

Sequence: A109247
Score: 9.44274
Type of gen. func.: ogf

$$\frac{x^4-3x^3-3x^2+1}{x^4+1}$$

Sequence: A109248
Score: 15.6025
Type of gen. func.: ogf

$$-\frac{(1 + x) (-1 + 2 x)}{x^3 - x^2 + 1}$$

Sequence: A109248
Score: 18.5780
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 2 x^3 - 4 x^2 - 2 x - 1}{(-1 + 2 x) (1 + x) (x^3 - x^2 + 1)}$$

Sequence: A109248
Score: 9.16851
Type of gen. func.: ogf

$$-(3 f(x) - 8) (f(x) x^3 - f(x) x^2 + 2 x^2 + f(x) + x - 1)$$

Sequence: A109248
Score: 9.46112
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1) - a(n), a(0) = 1, a(1) = -1, a(2) = -1\}$$

Sequence: A109249
Score: 4.45024
Type of gen. func.: ogf

$$\frac{x (8 x^6 - 7 x^5 + 8 x^4 + 7 x^3 - x^2 + 2 x - 1)}{(4 x^3 - x^2 + 3 x - 1) (2 x^4 - 2 x^3 + 3 x^2 + 1) (x - 1)^2}$$

Sequence: A109256
Score: 4.77897
Type of gen. func.: ogf

$$\frac{2 (5 x^6 - 33 x^5 + 28 x^4 - 602 x^3 + 345 x^2 - 121 x + 18)}{(x - 1)^7}$$

Sequence: A109256
Score: 6.79347
Type of gen. func.: lgdogf

$$- \frac{5 x^6 - 36 x^5 - 81 x^4 - 2296 x^3 - 81 x^2 - 36 x + 5}{(x - 1) (5 x^6 - 33 x^5 + 28 x^4 - 602 x^3 + 345 x^2 - 121 x + 18)}$$

Sequence: A109262
Score: 5.80534
Type of gen. func.: revogf

$$(5 n^2 + 5 n) a(n) + (17 n^2 + 65 n + 48) a(n + 1) + (7 n^2 + 37 n + 54) a(n + 2)$$

$$+ (3 n^2 + 21 n + 30) a(n + 3), a(0) = 0, a(1) = 1, a(2) = -2$$

Sequence: A109262
Score: 7.12485
Type of gen. func.: ogf

$$-f(x)^2 x^2 - 4 f(x)^2 x + f(x)^2 - 3 f(x) x + f(x) - x$$

Sequence: A109263
Score: 5.59355
Type of gen. func.: ogf

$$-f(x)^2 x^2 - 4 f(x)^2 x - 2 f(x) x^2 + f(x)^2 - 3 f(x) x - x^2 + f(x)$$

Sequence: A109265
Score: 11.7558
Type of gen. func.: ogf

2

$$-\frac{x\ \ + x - 1}{x^2 - x + 1}$$

Sequence: A109265
Score: 28.4279
Type of gen. func.: lgdogf

$$-\frac{2 x (x - 2)}{(x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A109265
Score: 6.16887
Type of gen. func.: ogf

{-a(n + 3) + a(n + 2) - a(n + 1), a(0) = 1, a(1) = 0, a(2) = -2}

Sequence: A109265
Score: 8.77544
Type of gen. func.: ogf

$$f(x) x^2 - f(x) x + x^2 + f(x) + x - 1$$

Sequence: A109266
Score: 15.8050
Type of gen. func.: ogf

$$-\frac{x^2 + x - 1}{x^3 - x^2 + 1}$$

Sequence: A109266
Score: 23.0642
Type of gen. func.: lgdogf

$$-\frac{x^4 + 2 x^3 - 4 x^2 - 1}{(x^2 + x - 1) (x^3 - x^2 + 1)}$$

Sequence: A109266
Score: 9.28746
Type of gen. func.: ogf

$$-(4 f(x) - 5) (f(x) x^{3} - f(x) x^{2} + x^{2} + f(x) + x - 1)$$

Sequence: A109266
Score: 9.68691
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 1) + a(n), a(0) = 1, a(1) = -1, a(2) = 0\}$$

Sequence: A109338
Score: 2.79599
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^{3}$$

Sequence: A109340
Score: 16.7922
Type of gen. func.: lgdogf

$$- \frac{3 (x^{2} + 1) (2 x + 1)^{2}}{(x - 1) (x^{2} + x + 1) (4 x^{2} + x + 1)}$$

Sequence: A109340
Score: 9.57516
Type of gen. func.: ogf

$$- \frac{x^{2} (4 x^{2} + x + 1)}{(x^{2} + x + 1) (x - 1)^{3}}$$

Sequence: A109344

Score: 3.96732
Type of gen. func.: ogf

$$-(838088266191 f(x) + 730954573900) (1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 1000 x^2 - f(x) - 950 x + 49)$$

Sequence: A109344
Score: 4.64393
Type of gen. func.: ogf

$$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 49, a(1) = 4489, a(2) = 444889\}$$

Sequence: A109344
Score: 7.98756
Type of gen. func.: ogf

$$-\frac{1000 x^2 - 950 x + 49}{(x - 1) (100 x - 1) (-1 + 10 x)}$$

Sequence: A109359
Score: 6.88587
Type of gen. func.: lgdogf

$$- (8 x^{11} - x^{10} + 14 x^9 + 4 x^8 + 24 x^7 - 9 x^6 + 36 x^5 - x^4 + 12 x^3 + 6 x^2 + 2 x + 1) / ((x - 1) (1 + x) (x^2 - x + 1) (4 x^6 + x^5 + 2 x^4 + 3 x^3 + x^2 + 1) (x^2 + 1))$$

Sequence: A109359
Score: 8.03496
Type of gen. func.: ogf

$$\frac{x (4 x^6 + x^5 + 2 x^4 + 3 x^3 + x^2 + 1)}{(x^2 + 1) (x^2 - x + 1) (1 + x)^2 (x - 1)^2}$$

Sequence: A109360
Score: 7.34845
Type of gen. func.: ogf

$$-\frac{x (4 x^6 - x^5 - 6 x^4 + x^3 - 5 x^2 - 4 x - 1)}{(x^2 + 1) (x^2 - x + 1) (1 + x)^2 (x - 1)^2}$$

Sequence: A109362
Score: 9.57727
Type of gen. func.: lgdogf

$$-\frac{9 x^8 + 10 x^6 + 6 x^5 + 9 x^2 + 2}{(x - 1) (1 + x) (x^2 + x + 1) (x^2 - x + 1) (3 x^3 + 2 x + 1)}$$

Sequence: A109362
Score: 9.74118
Type of gen. func.: ogf

$$-\frac{x^2 (3 x^3 + 2 x + 1)}{(x - 1) (1 + x) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A109363
Score: 16.0350
Type of gen. func.: ogf

$$-\frac{-1 + 4 x}{(-1 + 2 x) (x - 1)^2}$$

Sequence: A109363
Score: 23.4111
Type of gen. func.: lgdogf

$$-\frac{2 x (-5 + 8 x)}{(x - 1) (-1 + 2 x) (-1 + 4 x)}$$

Sequence: A109363
Score: 7.45485
Type of gen. func.: ogf

$$-(3921 f(x) - 11704) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x - f(x) + 4 x - 1)$$

Sequence: A109363
Score: 7.65633
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = -1, a(1) = 0, a(2) = 5\}$$

Sequence: A109377
Score: 12.7060
Type of gen. func.: ogf

$$-\frac{2 x^2 + x + 2}{x^3 - x^2 + 2 x - 1}$$

Sequence: A109377
Score: 15.8509
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 2 x^3 + x^2 + 5}{(2 x^2 + x + 2) (x^3 - x^2 + 2 x - 1)}$$

Sequence: A109377
Score: 6.85899
Type of gen. func.: ogf

$$(23 f(x) + 29) (f(x) x^3 - f(x) x^2 + 2 f(x) x + 2 x^2 - f(x) + x + 2)$$

Sequence: A109377
Score: 6.85899

Type of gen. func.: ogf

$$\{-a(n+3) + 2\,a(n+2) - a(n+1) + a(n),\ a(0) = 2,\ a(1) = 5,\ a(2) = 10\}$$

Sequence: A109389
Score: 19.9215
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{4} - 1}{x^{6} - 1}$$

Sequence: A109430
Score: 4.55307
Type of gen. func.: ogf

$$x\,(2\,x^{13} + x^{12} + 2\,x^{11} - 6\,x^{9} + 4\,x^{8} - 6\,x^{7} + 8\,x^{6} - 6\,x^{5} - 2\,x^{3} + 4\,x + 1) \Big/ ((x - 1)\,(x^{2} + 1)\,(x^{4} + 1)\,(x^{8} - x^{4} + 1))$$

Sequence: A109437
Score: 14.0915
Type of gen. func.: ogf

$$\frac{x}{(1 + x)\,(x^{2} - 4\,x + 1)}$$

Sequence: A109437
Score: 18.9231
Type of gen. func.: lgdogf

$$-\frac{3\,(x^{2} - 2\,x - 1)}{(1 + x)\,(x^{2} - 4\,x + 1)}$$

Sequence: A109437
Score: 5.71278

Type of gen. func.: ogf

$$\{-a(n+3)+3a(n+2)+3a(n+1)-a(n), a(0)=0, a(1)=1, a(2)=3\}$$

Sequence: A109437
Score: 6.09729
Type of gen. func.: ogf

$$-(22 f(x)+3)(f(x) x^3 - 3 f(x) x^2 - 3 f(x) x + f(x) - x)$$

Sequence: A109438
Score: 11.9327
Type of gen. func.: ogf

$$\frac{2x+1}{(1+x)(x^2-4x+1)}$$

Sequence: A109438
Score: 13.1855
Type of gen. func.: lgdogf

$$-\frac{4x^3-3x^2-6x-5}{(2x+1)(1+x)(x^2-4x+1)}$$

Sequence: A109438
Score: 5.59674
Type of gen. func.: ogf

$$\{-a(n+3)+3a(n+2)+3a(n+1)-a(n), a(0)=1, a(1)=5, a(2)=18\}$$

Sequence: A109438
Score: 5.85586
Type of gen. func.: ogf

$$(1423 f(x)+465)(f(x) x^3 - 3 f(x) x^2 - 3 f(x) x + f(x) - 2x - 1)$$

Sequence: A109451
Score: 7.67608
Type of gen. func.: ogf

$$\frac{x^5 + x^4 + x^3 - 2 x^2 + 2 x + 1}{(1 + x) (x^4 + 1) (x - 1)^2}$$

Sequence: A109454
Score: 8.56599
Type of gen. func.: lgdogf

$$- \frac{3 x^6 - 6 x^5 - 22 x^4 + 26 x^3 + 56 x^2 - 6 x - 13}{(1 + x) (x^2 - 3 x + 1) (x^2 - x - 4) (x^2 + x - 1)}$$

Sequence: A109454
Score: 8.76678
Type of gen. func.: ogf

$$\frac{x^4 (x^2 - x - 4)}{(1 + x) (x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A109467
Score: 4.23034
Type of gen. func.: ogf

$$(7398982278 f(x) - 2861328785) (160 f(x) x^4 + 144 f(x) x^3 + 44 f(x) x^2 + 160 x^3$$

$$+ 4 f(x) x + 108 x^2 - f(x) + 22 x + 1)$$

Sequence: A109467
Score: 5.96541
Type of gen. func.: lgdogf

$$- \frac{2 (12800 x^6 + 17280 x^5 + 9536 x^4 + 2848 x^3 + 724 x^2 + 152 x + 13)}{{}^{3} \quad {}^{2} \qquad {}^{2}}$$

$$(2 x + 1) (-1 + 10 x) (160 x + 108 x + 22 x + 1) (8 x + 4 x + 1)$$

Sequence: A109467
Score: 8.02305
Type of gen. func.: ogf

$$- \frac{160 x^{3} + 108 x^{2} + 22 x + 1}{(2 x + 1) (-1 + 10 x) (8 x^{2} + 4 x + 1)}$$

Sequence: A109470
Score: 9.62909
Type of gen. func.: ogf

$$\frac{x^{25} - x^{24} + x^{7} - x^{6} + x - 2}{(x - 1)^{3}}$$

Sequence: A109474
Score: 14.3717
Type of gen. func.: ogf

$$\frac{7 x^{3} + 2 x + 1}{(x - 1)^{2} (1 + x)}$$

Sequence: A109474
Score: 18.3056
Type of gen. func.: lgdogf

$$- \frac{7 x^{3} + 25 x^{2} + 5 x + 3}{(x - 1) (1 + x) (7 x^{3} + 2 x + 1)}$$

Sequence: A109474
Score: 6.59151
Type of gen. func.: ogf

$\{a(n + 4) - a(n + 3) - a(n + 2) + a(n + 1), a(0) = 1, a(1) = 3, a(2) = 4,$

$a(3) = 13\}$

Sequence: A109474
Score: 7.49291
Type of gen. func.: ogf

$$(3580 f(x) + 1503) (f(x) x^3 - f(x) x^2 - 7 x^3 - f(x) x + f(x) - 2 x - 1)$$

Sequence: A109475
Score: 12.6274
Type of gen. func.: lgdogf

$$\frac{4 x^2 (x + 3) (x^4 - 3 x^3 + 9 x^2 + 3 x + 6)}{x^8 + 48 x^5 + 30 x^4 + 48 x^3 + 1}$$

Sequence: A109478
Score: 12.0868
Type of gen. func.: lgdogf

$$\frac{4 x^2 (x^5 + 310 x^2 + 527 x + 186)}{x^8 + 496 x^5 + 1054 x^4 + 496 x^3 + 1}$$

Sequence: A109498
Score: 11.2139
Type of gen. func.: ogf

$$- \frac{8 x - 1}{(9 x - 1) (-1 + 2 x)}$$

Sequence: A109498
Score: 11.7108
Type of gen. func.: revogf

$$- \frac{-1 - 11 x + (49 x^2 - 10 x + 1)^{1/2}}{}$$

$$4 (4 + 9 x)$$

Sequence: A109498
Score: 11.9832
Type of gen. func.: lgdogf

$$- \frac{3 (48 x^2 - 12 x + 1)}{(8 x - 1) (-1 + 2 x) (9 x - 1)}$$

Sequence: A109498
Score: 5.79181
Type of gen. func.: ogf

$$-(7 f(x) - 2) (18 f(x) x^2 - 11 f(x) x + f(x) + 8 x - 1)$$

Sequence: A109498
Score: 6.27446
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 18 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A109499
Score: 13.3478
Type of gen. func.: ogf

$$\frac{3 x - 1}{(1 + x) (-1 + 4 x)}$$

Sequence: A109499
Score: 14.0742
Type of gen. func.: revogf

$$\frac{-1 - 3 x + (25 x^2 - 6 x + 1)^{1/2}}{2 (-3 + 4 x)}$$

Sequence: A109499

Score: 16.8891
Type of gen. func.: lgdogf

$$-\frac{4 x (-2 + 3 x)}{(-1 + 4 x) (3 x - 1) (1 + x)}$$

Sequence: A109499
Score: 7.41544
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 0\}$$

Sequence: A109499
Score: 9.53416
Type of gen. func.: ogf

$$4 f(x) x^2 + 3 f(x) x - f(x) - 3 x + 1$$

Sequence: A109500
Score: 12.5015
Type of gen. func.: ogf

$$\frac{-1 + 4 x}{(1 + x) (5 x - 1)}$$

Sequence: A109500
Score: 13.1737
Type of gen. func.: revogf

$$\frac{-4 x - 1 + (36 x^2 - 8 x + 1)^{1/2}}{2 (-4 + 5 x)}$$

Sequence: A109500
Score: 14.9540
Type of gen. func.: lgdogf

$$-\frac{10 x (-1 + 2 x)}{(-1 + 4 x) (5 x - 1) (1 + x)}$$

Sequence: A109500
Score: 6.94530
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 5 a(n), a(0) = 1, a(1) = 0\}$$

Sequence: A109500
Score: 8.92968
Type of gen. func.: ogf

$$5 f(x) x^2 + 4 f(x) x - f(x) - 4 x + 1$$

Sequence: A109501
Score: 12.2457
Type of gen. func.: ogf

$$\frac{5 x - 1}{(1 + x) (6 x - 1)}$$

Sequence: A109501
Score: 12.6029
Type of gen. func.: revogf

$$\frac{-5 x - 1 + (49 x^2 - 10 x + 1)^{1/2}}{2 (-5 + 6 x)}$$

Sequence: A109501
Score: 15.0535
Type of gen. func.: lgdogf

$$- \frac{6 x (-2 + 5 x)}{(6 x - 1) (5 x - 1) (1 + x)}$$

Sequence: A109501
Score: 6.80319
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + 6 a(n), a(0) = 1, a(1) = 0\}$$

Sequence: A109501
Score: 8.74696
Type of gen. func.: ogf

$$6 f(x) x^2 + 5 f(x) x - f(x) - 5 x + 1$$

Sequence: A109509
Score: 22.0222
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x}{x^2 + x - 1}$$

Sequence: A109522
Score: 10.1877
Type of gen. func.: ogf

$$- \frac{x (2 x^2 + x - 2)}{(x - 1) (1 + x) (x^2 + x - 1)}$$

Sequence: A109522
Score: 11.1017
Type of gen. func.: lgdogf

$$- \frac{4 x^5 + 5 x^4 - 6 x^3 - 6 x^2 + 4 x + 1}{(x - 1) (1 + x) (x^2 + x - 1) (2 x^2 + x - 2)}$$

Sequence: A109522
Score: 5.59175
Type of gen. func.: ogf

$$(2 f(x) - 7) (f(x) x^4 + f(x) x^3 - 2 f(x) x^2 + 2 x^3 - f(x) x + x^2 + f(x) - 2 x)$$

Sequence: A109523
Score: 6.56893
Type of gen. func.: lgdogf

$$-\frac{2x^9+10x^8+14x^7+11x^6-6x^5-8x^4-6x^3+5x^2+2}{(x-1)(x^2+x+1)(x^3+x^2+x-1)(x^4+3x^3+2x^2-2)}$$

Sequence: A109523
Score: 7.22066
Type of gen. func.: ogf

$$-\frac{x(x^4+3x^3+2x^2-2)}{(x-1)(x^2+x+1)(x^3+x^2+x-1)}$$

Sequence: A109524
Score: 7.97630
Type of gen. func.: lgdogf

$$-\frac{4x^9+11x^8+10x^7-3x^6-16x^5-9x^4+5x^2+2x+2}{(x-1)(1+x)(x^2+x+1)(2x^3+x^2-2)(x^3+x^2-1)}$$

Sequence: A109524
Score: 8.78798
Type of gen. func.: ogf

$$-\frac{x(1+x)(2x^3+x^2-2)}{(x-1)(x^2+x+1)(x^3+x^2-1)}$$

Sequence: A109525
Score: 6.14106
Type of gen. func.: ogf

$$x(2x^6+3x^5+5x^4+4x^3-2)$$

$$-\frac{\qquad}{(x - 1) (1 + x) (x^{2} + 1) (x^{4} + x^{3} + x^{2} + x - 1)}$$

Sequence: A109526
Score: 8.20987
Type of gen. func.: ogf

$$-\frac{x (3 x^{6} + x^{5} + 2 x^{4} + 2 x^{3} - 2 x^{2} - 2)}{(x - 1) (1 + x) (x^{2} + 1) (x^{4} + x - 1)}$$

Sequence: A109528
Score: 5.57556
Type of gen. func.: lgdogf

$$- (4 x^{13} - 15 x^{12} + 6 x^{11} - 4 x^{10} - 42 x^{9} - 18 x^{7} - 36 x^{6} - 18 x^{5} + 2 x^{4} - 30 x^{3} - 6 x^{2} - 2 x - 3) / ((x^{5} - 3 x^{4} + x^{3} - x^{2} - 3 x - 1) (x^{9} + 3 x^{6} + 3 x^{3} - 1))$$

Sequence: A109528
Score: 7.97274
Type of gen. func.: ogf

$$\frac{x (x^{5} - 3 x^{4} + x^{3} - x^{2} - 3 x - 1)}{x^{9} + 3 x^{6} + 3 x^{3} - 1}$$

Sequence: A109529
Score: 5.61591
Type of gen. func.: lgdogf

$$- 2 (x^{15} - 2 x^{13} + 6 x^{12} - 3 x^{11} + 2 x^{10} + 11 x^{9} + 9 x^{7} + 14 x^{6} + 9 x^{5} - x^{4} + 12 x^{3} + 3 x^{2} + x + 1) / ((x^{7} - x^{5} + 3 x^{4} - x^{3} + x^{2} + 2 x + 1) (x^{9} + 3 x^{6} + 3 x^{3} - 1))$$

Sequence: A109529
Score: 7.91018
Type of gen. func.: ogf

$$-\frac{x^7 - x^5 + 3x^4 - x^3 + x^2 + 2x + 1}{x^9 + 3x^6 + 3x^3 - 1}$$

Sequence: A109530
Score: 6.97164
Type of gen. func.: ogf

$$-\frac{x^8 - x^7 + 2x^6 + 3x^5 + x^4 + 3x^3 + 2x^2 + 1}{x^9 + 3x^6 + 3x^3 - 1}$$

Sequence: A109531
Score: 9.66767
Type of gen. func.: ogf

$$-\frac{x(x^2 - x + 1)(x^5 + x^4 + 2x^2 + 2x + 1)}{x^9 + 2x^6 + x^3 - 1}$$

Sequence: A109532
Score: 10.0457
Type of gen. func.: ogf

$$-\frac{x^7 + 2x^4 + x^2 + x + 1}{x^9 + 2x^6 + x^3 - 1}$$

Sequence: A109532
Score: 6.82096
Type of gen. func.: lgdogf

15 12 10 9 8 7 6 5 4 3

$$- (2 x + 8 x + 7 x + 12 x + 9 x + 8 x + 15 x + 12 x + x + 10 x + 3 x^2 + 2 x + 1) / ((x^7 + 2 x^4 + x^2 + x + 1) (x^9 + 2 x^6 + x^3 - 1))$$

Sequence: A109533
Score: 7.94024
Type of gen. func.: ogf

$$-\frac{x^8 + x^6 + 2 x^5 + x^4 + x^3 + x^2 + 1}{x^9 + 2 x^6 + x^3 - 1}$$

Sequence: A109534
Score: 10.1333
Type of gen. func.: ogf

$$-\frac{x^5 - 4 x^4 - 3 x^3 - 3 x^2 - 2 x - 1}{(x^2 + 1) (1 + x)^2 (x - 1)}$$

Sequence: A109534
Score: 8.59154
Type of gen. func.: lgdogf

$$-\frac{x^8 - 8 x^7 - 7 x^6 - 20 x^5 - 11 x^4 - 28 x^3 - 13 x^2 - 8 x - 2}{(x - 1) (1 + x) (x^2 + 1) (x^5 - 4 x^4 - 3 x^3 - 3 x^2 - 2 x - 1)}$$

Sequence: A109537
Score: 10.8860
Type of gen. func.: ogf

$$\frac{x^3 + x^2 - 1}{x^6 - x^4 + x^2 + x - 1}$$

Sequence: A109538

Score: 5.71318
Type of gen. func.: lgdogf

$$-\frac{4 x^{12} + 6 x^{11} + 5 x^{10} - 10 x^8 - 26 x^7 - 22 x^6 + 10 x^5 + 6 x^4 + 2 x^3 - x^2 - 2 x - 1}{(4 x^6 + 3 x^5 + 2 x^4 + x^3 - x - 1)(x^7 + x^6 + x^5 + x^4 + x^3 + x^2 - 1)}$$

Sequence: A109538
Score: 7.04535
Type of gen. func.: ogf

$$\frac{4 x^6 + 3 x^5 + 2 x^4 + x^3 - x - 1}{x^7 + x^6 + x^5 + x^4 + x^3 + x^2 - 1}$$

Sequence: A109539
Score: 5.99766
Type of gen. func.: ogf

$$\frac{5 x^7 + 4 x^6 + 3 x^5 + 2 x^4 + x^3 - x - 1}{(1 + x)(x^7 + x^5 + x^3 + x - 1)}$$

Sequence: A109540
Score: 6.11355
Type of gen. func.: ogf

$$\frac{6 x^7 + 4 x^6 + 3 x^5 + 2 x^4 + x^3 - x - 1}{(x^2 + x - 1)(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A109541
Score: 6.83560
Type of gen. func.: ogf

$$\frac{5 x^6 + 3 x^5 + 2 x^4 + x^3 - x - 1}{}$$

$$(1 + x) (x^2 + x + 1) (x^2 - x + 1) (x^2 + x - 1)$$

Sequence: A109543
Score: 12.4206
Type of gen. func.: ogf

$$\frac{x^4 + x^3 - 1}{x^5 + x^3 + x - 1}$$

Sequence: A109543
Score: 13.9015
Type of gen. func.: lgdogf

$$- \frac{x^8 + 2 x^7 - x^6 - 8 x^4 + 2 x^3 - 1}{(x^4 + x^3 - 1) (x^5 + x^3 + x - 1)}$$

Sequence: A109543
Score: 6.45869
Type of gen. func.: ogf

$$f(x) (3 f(x) - 4) (f(x) x^5 + f(x) x^3 - x^4 - x^3 + f(x) x - f(x) + 1)$$

Sequence: A109544
Score: 6.79281
Type of gen. func.: ogf

$$f(x) x^5 + f(x) x^4 + f(x) x^3 - 2 x^4 + f(x) x^2 - x^3 - f(x) + x + 1$$

Sequence: A109544
Score: 9.23159
Type of gen. func.: lgdogf

$$- \frac{2 x^8 + 2 x^7 - x^6 - 8 x^5 - 9 x^4 + 2 x^3 - x^2 - 2 x - 1}{(2 x^4 + x^3 - x - 1) (x^5 + x^4 + x^3 + x^2 - 1)}$$

Sequence: A109544
Score: 9.64411
Type of gen. func.: ogf

$$\frac{2 x^4 + x^3 - x - 1}{x^5 + x^4 + x^3 + x^2 - 1}$$

Sequence: A109545
Score: 11.0403
Type of gen. func.: ogf

$$\frac{x^2 + x - 1}{x^3 + x^2 + 2 x - 1}$$

Sequence: A109545
Score: 14.0424
Type of gen. func.: lgdogf

$$- \frac{x^4 + 2 x^3 - 4 x^2 - 1}{(x^2 + x - 1) (x^3 + x^2 + 2 x - 1)}$$

Sequence: A109545
Score: 5.75606
Type of gen. func.: ogf

$$-(19 f(x) - 15) (f(x) x^3 + f(x) x^2 + 2 f(x) x - x^2 - f(x) - x + 1)$$

Sequence: A109545
Score: 6.01304
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + a(n + 1) + a(n), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A109546
Score: 14.0052
Type of gen. func.: ogf

$$\frac{4 x - 5}{(1 + x) (-1 + 4 x)}$$

Sequence: A109546
Score: 15.0656
Type of gen. func.: revogf

$$\frac{-5 - 3 x + (25 x^2 + 14 x + 25)^{1/2}}{8 (x - 1)}$$

Sequence: A109546
Score: 15.4423
Type of gen. func.: lgdogf

$$- \frac{(4 x + 1) (4 x - 11)}{(-1 + 4 x) (4 x - 5) (1 + x)}$$

Sequence: A109546
Score: 6.85037
Type of gen. func.: ogf

$$-(73 f(x) - 244) (4 f(x) x^2 + 3 f(x) x - f(x) - 4 x + 5)$$

Sequence: A109546
Score: 7.59317
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) + 4 a(n), a(0) = 5, a(1) = 11\}$$

Sequence: A109575
Score: 10.0737
Type of gen. func.: egf]

$$3$$

$$-8 f(x) x + 12 f(x) x + f(x) - x$$

Sequence: A109575
Score: 17.7772
Type of gen. func.: egf]

$$-\frac{x}{8 x^{3} - 12 x - 1}$$

Sequence: A109575
Score: 20.5172
Type of gen. func.: lgdegf]

$$-\frac{12 (2 x^{2} - 1)}{8 x^{3} - 12 x - 1}$$

Sequence: A109575
Score: 6.36237
Type of gen. func.: egf]

$$\{a(n + 3) + 12 a(n + 2) - 8 a(n), a(0) = 0, a(1) = 1, a(2) = -12\}$$

Sequence: A109576
Score: 18.7373
Type of gen. func.: egf]

$$-\frac{x}{(x - 1) (2 x + 1)^{2}}$$

Sequence: A109576
Score: 26.5000
Type of gen. func.: lgdegf]

$$-\frac{3 (-1 + 2 x)}{(2 x + 1) (x - 1)}$$

Sequence: A109576
Score: 3.49340
Type of gen. func.: ogf

$$\{(2 n^3 + 16 n^2 + 42 n + 36) a(n + 1) + (-n^2 - 7 n - 12) a(n + 2) + (-n - 2) a(n + 3), a(0) = 0, a(1) = 1, a(2) = -6\}$$

Sequence: A109576
Score: 8.4703
Type of gen. func.: egf]

$$f(x) (4 f(x) x^3 - 3 f(x) x - f(x) + x)$$

Sequence: A109581
Score: 11.0544
Type of gen. func.: egf]

$$-f(x) x^3 + f(x) x + f(x) - x$$

Sequence: A109581
Score: 19.7639
Type of gen. func.: egf]

$$- \frac{x}{x^3 - x - 1}$$

Sequence: A109581
Score: 30.7699
Type of gen. func.: lgdegf]

$$- \frac{3 x^2 - 1}{x^3 - x - 1}$$

Sequence: A109581
Score: 4.00128

Type of gen. func.: ogf

$$\{(-n^3 - 9 n^2 - 26 n - 24) a(n + 1) + (n + 4) a(n + 3) + a(n + 4), a(0) = 0,$$
$$a(1) = 1, a(2) = -2, a(3) = 6\}$$

Sequence: A109582
Score: 22.5966
Type of gen. func.: egf]

$$\frac{1}{x^3 - x - 1}$$

Sequence: A109582
Score: 31.0509
Type of gen. func.: lgdegf]

$$-\frac{3 x^2 - 1}{x^3 - x - 1}$$

Sequence: A109582
Score: 4.02025
Type of gen. func.: ogf

$$\{(-n^3 - 9 n^2 - 26 n - 24) a(n + 1) + (n + 4) a(n + 3) + a(n + 4), a(0) = -1,$$
$$a(1) = 1, a(2) = -2, a(3) = 0\}$$

Sequence: A109582
Score: 8.09014
Type of gen. func.: egf]

$$(f(x) + 1) (f(x) x^3 - f(x) x - f(x) - 1)$$

Sequence: A109583
Score: 4.38114
Type of gen. func.: egf]

$$\frac{x^{3} (1 + x) (x^{6} + 2 x^{4} - x^{3} + x^{2} + 1)}{x^{10} - 3 x^{9} - x^{8} + x^{7} - x^{6} + 1}$$

Sequence: A109588
Score: 7.10385
Type of gen. func.: lgdogf

$$- (4 x^{10} - 5 x^{9} + 6 x^{8} + 36 x^{7} - 7 x^{6} - 12 x^{5} + 30 x^{4} + 11 x^{3} + 6 x^{2} + 2 x + 1) / ((x - 1) (x^{8} - x^{7} + x^{6} + 4 x^{5} - 2 x^{3} + x^{2} + x + 1) (x^{2} + x + 1))$$

Sequence: A109588
Score: 7.43446
Type of gen. func.: ogf

$$\frac{x^{8} - x^{7} + x^{6} + 4 x^{5} - 2 x^{3} + x^{2} + x + 1}{(x - 1)^{4} (x^{2} + x + 1)^{4}}$$

Sequence: A109594
Score: 7.04365
Type of gen. func.: lgdogf

$$- (4 x^{10} - 5 x^{9} - 6 x^{8} + 8 x^{7} - 39 x^{6} + 12 x^{5} - 10 x^{4} - 27 x^{3} - 6 x^{2} - 2 x - 1) / ((x - 1) (x^{8} - x^{7} - x^{6} - 4 x^{4} + 2 x^{3} - x^{2} - x - 1) (x^{2} + x + 1))$$

Sequence: A109594
Score: 7.43446
Type of gen. func.: ogf

$$- \frac{x^{8} - x^{7} - x^{6} - 4 x^{4} + 2 x^{3} - x^{2} - x - 1}{(x - 1)^{4} (x^{2} + x + 1)^{4}}$$

Sequence: A109595
Score: 7.43446
Type of gen. func.: ogf

$$\frac{x^8 - x^7 + x^6 - 2 x^5 + 4 x^3 + x^2 + x + 1}{(x - 1)^4 (x^2 + x + 1)^4}$$

Sequence: A109595
Score: 7.55592
Type of gen. func.: lgdogf

$$- \frac{4 x^{10} - 5 x^9 + 6 x^8 - 6 x^7 - 7 x^6 + 42 x^5 + 11 x^3 + 24 x^2 + 2 x + 1}{(x - 1) (x^2 + x + 1) (x^8 - x^7 + x^6 - 2 x^5 + 4 x^3 + x^2 + x + 1)}$$

Sequence: A109609
Score: 13.1213
Type of gen. func.: ogf

$$1/((x - 1) (1 + x) (x^2 + x + 1) (x^2 - x + 1) (x^2 + x - 1) (x^2 + 1)$$
$$(x^4 - x^2 + 1))$$

Sequence: A109609
Score: 7.58150
Type of gen. func.: lgdogf

$$- (14 x^{13} + 13 x^{12} - 12 x^{11} - 2 x - 1) \Big/ ((x - 1) (1 + x) (x^2 + x + 1)$$
$$(x^2 - x + 1) (x^2 + x - 1) (x^2 + 1) (x^4 - x^2 + 1))$$

Sequence: A109610
Score: 11.1097
Type of gen. func.: ogf

$$- \frac{x^{12} - x^{10} + 2 x^7 - 3 x^4 - 1}{\qquad}$$

$$(1 + x) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2$$

Sequence: A109613
Score: 10.7009
Type of gen. func.: ogf

$$-f(x) x^3 + f(x) x^2 + f(x) x + x^2 - f(x) + 1$$

Sequence: A109613
Score: 15.9575
Type of gen. func.: ogf

$$\frac{x^2 + 1}{(x - 1)^2 (1 + x)}$$

Sequence: A109613
Score: 24.7893
Type of gen. func.: lgdogf

$$- \frac{x^3 + x^2 + 5 x + 1}{(x - 1) (1 + x) (x^2 + 1)}$$

Sequence: A109613
Score: 31.2639
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^3 + 2 x + 1]$$

Sequence: A109613
Score: 8.12123
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 1, a(2) = 3\}$$

Sequence: A109614
Score: 7.10385
Type of gen. func.: lgdogf

$$-(4x^{10}-5x^{9}-6x^{8}+8x^{7}+9x^{6}-42x^{5}-10x^{4}-3x^{3}-24x^{2}-2x-1)\Big/\left((x-1)(x^{2}+x+1)(x^{8}-x^{7}-x^{6}+2x^{4}-4x^{3}-x^{2}-x-1)\right)$$

Sequence: A109614
Score: 7.43446
Type of gen. func.: ogf

$$-\frac{x^{8}-x^{7}-x^{6}+2x^{4}-4x^{3}-x^{2}-x-1}{(x-1)^{4}(x^{2}+x+1)^{4}}$$

Sequence: A109620
Score: 12.2441
Type of gen. func.: ogf

$$\frac{(-1+2x)(x^{2}+1)}{(x-1)^{4}}$$

Sequence: A109620
Score: 21.9255
Type of gen. func.: lgdogf

$$-\frac{2(x^{3}+2x^{2}+2x-1)}{(x-1)(-1+2x)(x^{2}+1)}$$

Sequence: A109620
Score: 5.01488
Type of gen. func.: ogf

$$\{(47n^{2}+259n+330)\,a(n+1)+(-88n^{2}-368n-228)\,a(n+2)$$

^{2}

$$+ (41 n + 127 n + 12) a(n + 3), a(0) = -1, a(1) = -2, a(2) = -3\}$$

Sequence: A109620
Score: 6.63942
Type of gen. func.: ogf

$$-(10 f(x) + 3)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 2 x^3 - 4 f(x) x + x^2 + f(x) - 2 x + 1)$$

Sequence: A109622
Score: 11.0859
Type of gen. func.: lgdogf

$$- \frac{x^6 + 2 x^5 - x^4 - 8 x^3 - 3 x^2 - 6 x - 1}{(x - 1) (1 + x) (x^5 - 2 x^3 - x^2 + x - 1)}$$

Sequence: A109622
Score: 7.50565
Type of gen. func.: ogf

$$- \frac{x^5 - 2 x^3 - x^2 + x - 1}{(1 + x)^2 (x - 1)^4}$$

Sequence: A109632
Score: 2.48838
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 100 x + 200$$

Sequence: A109632
Score: 3.40249
Type of gen. func.: ogf

$$\frac{100 (x + 2)}{(x - 1)^2}$$

Sequence: A109632
Score: 8.23484
Type of gen. func.: lgdogf

$$-\frac{5 + x}{(x + 2) (x - 1)}$$

Sequence: A109633
Score: 2.78232
Type of gen. func.: ogf

$$\frac{100 (x^3 + x + 1)}{(x - 1)^2}$$

Sequence: A109634
Score: 14.0460
Type of gen. func.: ogf

$$\frac{x}{(2 x^2 + 2 x - 1)^2}$$

Sequence: A109634
Score: 25.9290
Type of gen. func.: lgdogf

$$-\frac{4 (2 x + 1)}{2 x^2 + 2 x - 1}$$

Sequence: A109634
Score: 4.24209
Type of gen. func.: ogf

{(n + 2) a(n + 3) + (-6 - 2 n) a(n + 2) + (-2 n - 8) a(n + 1), a(0) = 0,

a(1) = 1, a(2) = 4}

Sequence: A109634
Score: 6.32071
Type of gen. func.: ogf

$$(28 f(x) - 1) (4 f(x) x^4 + 8 f(x) x^3 - 4 f(x) x + f(x) - x)$$

Sequence: A109644
Score: 9.20708
Type of gen. func.: ogf

$$- \frac{4950 x^{11} - 9900 x^{10} + 4950 x^9 + 45 x^2 - 91 x + 44}{(x - 1)^3}$$

Sequence: A109678
Score: 12.4998
Type of gen. func.: ogf

$$\frac{1 + x}{(x - 1)^4}$$

Sequence: A109678
Score: 36.0747
Type of gen. func.: ogf_with_Euler_transform]

$$[5 - x]$$

Sequence: A109678
Score: 37.3767
Type of gen. func.: lgdogf

$$- \frac{5 + 3 x}{(x - 1) (1 + x)}$$

Sequence: A109678
Score: 5.64804
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 3) + 5 a(n + 2) + (n + 4) a(n + 1), a(0) = 1, a(1) = 5, a(2) = 14\}$$

Sequence: A109678
Score: 6.00382
Type of gen. func.: ogf

$$(5248 f(x) + 7423) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + f(x) - x - 1)$$

Sequence: A109697
Score: 36.1972
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{1}{-x^5 + 1}$$

Sequence: A109698
Score: 31.2111
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x}{-x^5 + 1}$$

Sequence: A109699
Score: 30.8253
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^2}{-x^5 + 1}$$

Sequence: A109700
Score: 30.8630
Type of gen. func.: ogf_with_Euler_transform]

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$$\frac{x}{-x^5 + 1}$$

Sequence: A109701
Score: 37.0150
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{1}{-x^6 + 1}$$

Sequence: A109702
Score: 30.8013
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^4}{-x^6 + 1}$$

Sequence: A109703
Score: 37.0093
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{1}{-x^7 + 1}$$

Sequence: A109704
Score: 32.0852
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x}{-x^7 + 1}$$

Sequence: A109705
Score: 31.5694
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^{2}}{-x^{7} + 1}$$

Sequence: A109706
Score: 31.3435
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^{3}}{-x^{7} + 1}$$

Sequence: A109707
Score: 30.8729
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^{4}}{-x^{7} + 1}$$

Sequence: A109708
Score: 30.7779
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^{5}}{-x^{7} + 1}$$

Sequence: A109716
Score: 7.18763
Type of gen. func.: ogf

$$-111111 f(x) x + f(x) - 1$$

Sequence: A109718
Score: 15.1966
Type of gen. func.: ogf

$$-f(x)\,x^4 - 3\,x^3 + f(x) - x$$

Sequence: A109718
Score: 16.5474
Type of gen. func.: ogf

$$-\frac{x\,(3\,x^2 + 1)}{(x - 1)\,(1 + x)\,(x^2 + 1)}$$

Sequence: A109718
Score: 19.4536
Type of gen. func.: lgdogf

$$-\frac{2\,x\,(3\,x^4 + 2\,x^2 + 3)}{(x - 1)\,(1 + x)\,(3\,x^2 + 1)\,(x^2 + 1)}$$

Sequence: A109718
Score: 8.65853
Type of gen. func.: ogf

$$\{a(n + 4) - a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 0,\ a(3) = 3\}$$

Sequence: A109720
Score: 11.9673
Type of gen. func.: ogf

$$-\frac{x\,(1 + x)\,(x^2 + x + 1)\,(x^2 - x + 1)}{(x - 1)\,(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A109720
Score: 31.7100
Type of gen. func.: ogf_with_Euler_transform]

$$x^6 - x^5 + 1$$

Sequence: A109720
Score: 7.97277
Type of gen. func.: lgdogf

$$- (2 x^{11} + 3 x^{10} + 4 x^{9} + 5 x^{8} + 6 x^{7} + 7 x^{6} + 5 x^{4} + 4 x^{3} + 3 x^{2} + 2 x + 1) / ((x - 1) (1 + x) (x^{2} + x + 1) (x^{2} - x + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1))$$

Sequence: A109731
Score: 5.40015
Type of gen. func.: ogf

$$-(35148 f(x) - 147013) (f(x) x^{4} + 4 f(x) x^{2} + x^{3} + 2 x^{2} + f(x) + 4 x - 1)$$

Sequence: A109731
Score: 9.19761
Type of gen. func.: lgdogf

$$- \frac{x^{6} + 4 x^{5} + 8 x^{4} - 4 x^{3} + 13 x^{2} - 12 x - 4}{(x^{3} + 2 x^{2} + 4 x - 1) (x^{4} + 4 x^{2} + 1)}$$

Sequence: A109731
Score: 9.47103
Type of gen. func.: ogf

$$- \frac{x^{3} + 2 x^{2} + 4 x - 1}{x^{4} + 4 x^{2} + 1}$$

Sequence: A109737
Score: 14.1085
Type of gen. func.: lgdogf

```
2   5       2
```

$$\frac{4 x (x + 70 x + 15 x + 42)}{x^{8} + 112 x^{5} + 30 x^{4} + 112 x^{3} + 1}$$

Sequence: A109743
Score: 3.39464
Type of gen. func.: ogf

$$\{(3 n^{2} + 9 n) a(n) + (5 n^{2} + 24 n + 22) a(n + 1) + (2 n^{2} + 11 n + 20) a(n + 2) + (-6 - 2 n) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A109747
Score: 20.7650
Type of gen. func.: lgdegf]

$$-a(n) + (-n - 1) a(n + 1), a(0) = 2, a(1) = -1$$

Sequence: A109753
Score: 12.2071
Type of gen. func.: ogf

$$- \frac{x (7 x^{6} + 5 x^{4} + 3 x^{2} + 1)}{(x - 1) (1 + x) (x^{2} + 1) (x^{4} + 1)}$$

Sequence: A109753
Score: 9.82503
Type of gen. func.: lgdogf

$$- \frac{2 x (7 x^{12} + 10 x^{10} + 9 x^{8} + 4 x^{6} + 21 x^{4} + 10 x^{2} + 3)}{(x - 1) (1 + x) (x^{2} + 1) (x^{4} + 1) (7 x^{6} + 5 x^{4} + 3 x^{2} + 1)}$$

Sequence: A109764
Score: 11.7452
Type of gen. func.: lgdogf

$$2 (14 x^{3} + 143 x^{2} + 212 x + 51)$$

$$- \frac{}{(x - 1) (1 + x) (7 x^2 + 46 x + 7)}$$

Sequence: A109764
Score: 3.47022
Type of gen. func.: ogf

$$\{(-16 n^2 - 123 n - 236) a(n + 1) + (32 n^2 + 192 n + 466) a(n + 2)$$

$$+ (-16 n^2 - 69 n - 74) a(n + 3), a(0) = 0, a(1) = 14, a(2) = 204\}$$

Sequence: A109764
Score: 5.70323
Type of gen. func.: ogf

$$- \frac{2 x (1 + x) (7 x^2 + 46 x + 7)}{(x - 1)^7}$$

Sequence: A109765
Score: 13.8422
Type of gen. func.: ogf

$$\frac{x}{(-1 + 4 x) (-1 + 2 x) (1 + x)}$$

Sequence: A109765
Score: 15.3341
Type of gen. func.: lgdogf

$$- \frac{24 x^2 + 4 x - 5}{(-1 + 4 x) (-1 + 2 x) (1 + x)}$$

Sequence: A109765
Score: 5.61169
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 2 a(n + 1) + 8 a(n), a(0) = 0, a(1) = 1, a(2) = 5\}$$

Sequence: A109765
Score: 6.2919
Type of gen. func.: ogf

$$(5 f(x) + 1) (8 f(x) x^3 + 2 f(x) x^2 - 5 f(x) x + f(x) - x)$$

Sequence: A109768
Score: 10.4406
Type of gen. func.: lgdogf

$$-\frac{x^6 + 10 x^5 + 3 x^4 + 4 x^3 + 3 x^2 + 10 x + 1}{(x - 1) (1 + x) (x^2 + 1) (x^3 + 5 x^2 + x + 1)}$$

Sequence: A109768
Score: 13.8678
Type of gen. func.: ogf

$$-\frac{x^3 + 5 x^2 + x + 1}{(x - 1) (1 + x) (x^2 + 1)}$$

Sequence: A109768
Score: 9.52368
Type of gen. func.: ogf

$$(2 f(x) - 5) (f(x) x^4 + x^3 + 5 x^2 - f(x) + x + 1)$$

Sequence: A109771
Score: 18.4054
Type of gen. func.: ogf

$$-x^2 - 6 x - 1 + f(x)^2$$

Sequence: A109771
Score: 43.7389
Type of gen. func.: lgdogf

$$\frac{x + 3}{x^2 + 6 x + 1}$$

Sequence: A109771
Score: 5.05500
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (9 + 6 n) a(n + 2) + n a(n + 1), a(0) = 1, a(1) = 3,

a(2) = -4}

Sequence: A109774
Score: 13.4184
Type of gen. func.: ogf

$$-\frac{8 x}{(x - 1) (3 x - 1) (9 x - 1)}$$

Sequence: A109774
Score: 15.8774
Type of gen. func.: lgdogf

$$-\frac{81 x^2 - 78 x + 13}{(x - 1) (3 x - 1) (9 x - 1)}$$

Sequence: A109774
Score: 5.55243
Type of gen. func.: ogf

{a(n + 3) - 13 a(n + 2) + 39 a(n + 1) - 27 a(n), a(0) = 0, a(1) = 8, a(2) = 104

}

Sequence: A109774
Score: 6.9758
Type of gen. func.: ogf

$$(13 f(x) + 8) (27 f(x) x^{3} - 39 f(x) x^{2} + 13 f(x) x - f(x) + 8 x)$$

Sequence: A109778
Score: 6.54836
Type of gen. func.: lgdogf

$$24 x^{7} (117 x^{10} + 1887 x^{8} + 3570 x^{6} + 2142 x^{4} + 425 x^{2} + 51) / ((24 x^{6} + 33 x^{4} + 6 x^{2} + 1) (117 x^{12} + 1962 x^{10} + 1863 x^{8} + 156 x^{6} + 3 x^{4} - 6 x^{2} + 1))$$

Sequence: A109781
Score: 6.57448
Type of gen. func.: ogf

$$\frac{x^{5} + x^{4} - 6 x^{3} + 2 x^{2} + x - 1}{(x - 1) (x^{2} - x + 1) (x^{2} - 2 x - 1) (1 + x)^{2}}$$

Sequence: A109781
Score: 6.69770
Type of gen. func.: lgdogf

$$- (2 x^{10} - x^{9} - 27 x^{8} + 68 x^{7} - 52 x^{6} + 12 x^{5} - 6 x^{3} + 12 x^{2} + 3 x - 3) / ((x - 1) (1 + x) (x^{2} - x + 1) (x^{2} - 2 x - 1) (x^{5} + x^{4} - 6 x^{3} + 2 x^{2} + x - 1))$$

Sequence: A109782
Score: 7.26044
Type of gen. func.: ogf

$$\frac{x (x^{4} - 2 x^{3} + 2 x^{2} + 1)}{(x - 1) (x^{2} - x + 1) (x^{2} - 2 x - 1) (1 + x)^{2}}$$

Sequence: A109784
Score: 5.65609
Type of gen. func.: lgdogf

$$-(2x^{10}-8x^{9}+6x^{8}-12x^{7}+9x^{6}+24x^{5}-16x^{4}+22x^{3}-24x^{2}+8x-5) / ((x-1)(-1+2x)(x^{2}+x+1)(x^{2}-x-1)(x^{3}-x^{2}+x-2)(x^{2}+1))$$

Sequence: A109784
Score: 6.61352
Type of gen. func.: ogf

$$\frac{(x^{2}-x-1)(x^{3}-x^{2}+x-2)}{(-1+2x)(x-1)(x^{2}+x+1)(x^{2}+1)}$$

Sequence: A109785
Score: 9.70971
Type of gen. func.: ogf

$$-\frac{x^{12}+2x^{10}-x^{8}-x^{7}-x^{2}-x-1}{(1+x)(x^{2}+1)(x^{2}+x+1)(x^{2}-x+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A109786
Score: 4.08903
Type of gen. func.: ogf

$$f(x)(f(x)+2)(f(x)x^{5}-2f(x)x^{4}-f(x)x^{3}+5x^{4}-f(x)x^{2}+3x^{3}-2f(x)x+2x^{2}+f(x)+x-1)$$

Sequence: A109786
Score: 6.86798
Type of gen. func.: lgdogf

$$-\frac{5x^8+6x^7+5x^6+6x^5+20x^4-2x^3-3x^2-2x+1}{(1+x)(x^2+1)(5x^4+3x^3+2x^2+x-1)(x^2-3x+1)}$$

Sequence: A109786
Score: 7.60647
Type of gen. func.: ogf

$$-\frac{5x^4+3x^3+2x^2+x-1}{(1+x)(x^2+1)(x^2-3x+1)}$$

Sequence: A109787
Score: 5.82143
Type of gen. func.: lgdogf

$$-\frac{2(11x^9-21x^8+5x^7+5x^6+18x^5-60x^4+33x^3-x^2-3x+1)}{(x-1)(1+x)(x^2-3x+1)(11x^4-3x^3-2x^2-x+1)(x^2+1)}$$

Sequence: A109787
Score: 7.45104
Type of gen. func.: ogf

$$-\frac{11x^4-3x^3-2x^2-x+1}{(x-1)(1+x)(x^2+1)(x^2-3x+1)}$$

Sequence: A109792
Score: 3.29098
Type of gen. func.: ogf

$$\{(n^3+11n^2+40n+48)a(n+1)+(-n^2-7n-12)a(n+2)$$
$$+(-n-6)a(n+3)+a(n+4),\ a(0)=1,\ a(1)=3,\ a(2)=14,\ a(3)=70\}$$

Sequence: A109793
Score: 5.15275
Type of gen. func.: ogf

$$\frac{118 x^6 + 92 x^5 + 46 x^4 - 4 x^3 - 3 x^2 - 2 x - 1}{(1 + x) (x^2 + 1) (50 x^4 - 1)}$$

Sequence: A109794
Score: 11.5431
Type of gen. func.: lgdogf

$$- \frac{x^6 + 6 x^4 + 4 x^3 - 6 x^2 - 6 x - 1}{(x^2 + x - 1) (x^2 - x - 1) (x^3 + x + 1)}$$

Sequence: A109794
Score: 12.6065
Type of gen. func.: ogf

$$\frac{x^3 + x + 1}{(x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A109794
Score: 7.72659
Type of gen. func.: ogf

$$(f(x) - 3) (f(x) x^4 - 3 f(x) x^2 - x^3 + f(x) - x - 1)$$

Sequence: A109795
Score: 6.22588
Type of gen. func.: ogf

$$- \frac{11 x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}{(1 + x)^2 (x^4 + x^3 + x^2 + x + 1)^2 (x^4 - x^3 + x^2 - x + 1)^2 (x - 1)^3}$$

Sequence: A109803
Score: 7.67600
Type of gen. func.: ogf

$$\frac{(1+x)^2\,(x^2+1)}{(x-1)\,(x^2+x+1)\,(x^2+2x-1)}$$

Sequence: A109803
Score: 8.05056
Type of gen. func.: lgdogf

$$-\frac{x^7+3x^6+8x^5+10x^4+13x^3-5x^2-2x-4}{(x-1)\,(1+x)\,(x^2+1)\,(x^2+x+1)\,(x^2+2x-1)}$$

Sequence: A109808
Score: 14.1475
Type of gen. func.: ogf

$$\{a(n+1)-7\,a(n),\ a(0)=2\}$$

Sequence: A109808
Score: 17.9431
Type of gen. func.: ogf

$$-7\,f(x)\,x+f(x)-2$$

Sequence: A109808
Score: 29.4267
Type of gen. func.: ogf

$$-\frac{2}{7x-1}$$

Sequence: A109808
Score: 30.1376
Type of gen. func.: revegf]

$$-1/7 \ln(2) + 1/7 \ln(2 + 7 x)$$

Sequence: A109808
Score: 65.7549
Type of gen. func.: lgdogf

$$-\frac{7}{7 x - 1}$$

Sequence: A109815
Score: 7.43446
Type of gen. func.: ogf

$$\frac{x^8 + x^7 - x^6 - 2 x^5 + 4 x^4 + x^2 + x + 1}{(x - 1)^4 (x^2 + x + 1)^4}$$

Sequence: A109815
Score: 7.55592
Type of gen. func.: lgdogf

$$-\frac{4 x^{10} + 5 x^9 - 6 x^8 - 6 x^7 + 39 x^6 - 6 x^5 + 27 x^3 + 12 x^2 + 2 x + 1}{(x - 1) (x^2 + x + 1) (x^8 + x^7 - x^6 - 2 x^5 + 4 x^4 + x^2 + x + 1)}$$

Sequence: A109816
Score: 7.16509
Type of gen. func.: lgdogf

$$- (4 x^{10} + 5 x^9 - 6 x^8 + 36 x^7 - 9 x^6 - 6 x^5 + 30 x^4 + 3 x^3 + 12 x^2 + 2 x + 1) / ((x - 1) (x^8 + x^7 - x^6 + 4 x^5 - 2 x^4 + x^2 + x + 1) (x^2 + x + 1))$$

Sequence: A109816
Score: 7.43446
Type of gen. func.: ogf

8 7 6 5 4 2

$$\frac{x + x - x + 4 x - 2 x + x + x + 1}{(x - 1)^4 (x^2 + x + 1)^4}$$

Sequence: A109868
Score: 10.7334
Type of gen. func.: lgdogf

$$\frac{2 (50 x^4 - 5 x^2 + 11 x + 1)}{(10 x^2 - 1) (10 x^3 - x^2 - 2 x - 1)}$$

Sequence: A109868
Score: 5.87458
Type of gen. func.: ogf

$$\{-a(n + 4) + 10 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 11, a(3) = 10\}$$

Sequence: A109868
Score: 6.32156
Type of gen. func.: ogf

$$(10010 f(x) + 4231) (10 f(x) x^2 - 10 x^3 + x^2 - f(x) + 2 x + 1)$$

Sequence: A109868
Score: 9.85734
Type of gen. func.: ogf

$$\frac{10 x^3 - x^2 - 2 x - 1}{10 x^2 - 1}$$

Sequence: A109900
Score: 32.0074
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + 2 x + 3$$

Sequence: A109900
Score: 9.04136
Type of gen. func.: ogf

$$\frac{x\,(x^2+x+1)}{(1+x)^2\,(x-1)^4}$$

Sequence: A109912
Score: 9.91971
Type of gen. func.: ogf

$$(2\,f(x)\,x-f(x)+1)^2$$

Sequence: A109913
Score: 2.62721
Type of gen. func.: ogf

$$-(f(x)-2)\,(f(x)\,x-f(x)+2)^2$$

Sequence: A109936
Score: 7.39155
Type of gen. func.: ogf

$$-\frac{8965\,x^{18}-8965\,x^{17}+897\,x^7-897\,x^6+87\,x^4-87\,x^3+7\,x-8}{(x-1)^2}$$

Sequence: A109957
Score: 4.75642
Type of gen. func.: ogf

$$f(x)^3\,x^4-3\,f(x)^3\,x^3+2\,f(x)^3\,x^2-x\,f(x)^3+f(x)^2\,x^2+2\,f(x)^2\,x-2\,f(x)\,x$$
$$-f(x)+1$$

Sequence: A109961
Score: 13.0159
Type of gen. func.: lgdogf

$$-\frac{x^4 - 4x^3 + 7x^2 - 2x + 1}{(x - 1)(x^2 - 3x + 1)(x^2 - x + 1)}$$

Sequence: A109961
Score: 5.00214
Type of gen. func.: ogf

$(36 f(x) + 7)$

$$(f(x)\,x^4 - 4 f(x)\,x^3 + 5 f(x)\,x^2 + x^3 - 4 f(x)\,x - 3x^2 + f(x) + 3x - 1)$$

Sequence: A109961
Score: 8.96488
Type of gen. func.: ogf

$$-\frac{(x - 1)^3}{(x^2 - 3x + 1)(x^2 - x + 1)}$$

Sequence: A109972
Score: 3.93759
Type of gen. func.: ogf

$$-f(x)^3 x^4 + f(x)^3 x^2 - 2x\,f(x)^3 - f(x)^2 x^2 + f(x)^3 + 4 f(x)^2 x - 3 f(x)^2$$
$$- 2 f(x)\,x + 3 f(x) - 1$$

Sequence: A109975
Score: 12.1288
Type of gen. func.: ogf

$$\frac{(x - 1)(x^2 + x - 1)}{(-1 + 2x)^2}$$

Sequence: A109975
Score: 14.3005
Type of gen. func.: lgdogf

$$\frac{2 x^3 - 3 x^2 + 4 x - 2}{(x - 1) (-1 + 2 x) (x^2 + x - 1)}$$

Sequence: A109975
Score: 5.63883
Type of gen. func.: ogf

$$\{a(n + 4) - 4 a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 9\}$$

Sequence: A109975
Score: 9.05389
Type of gen. func.: ogf

$$4 f(x) x^2 - x^3 - 4 f(x) x + f(x) + 2 x - 1$$

Sequence: A109980
Score: 15.0485
Type of gen. func.: revogf

$$- \frac{(-3 x + (9 x^2 - 2 x + 1)^{1/2}) x}{-1 + 2 x}$$

Sequence: A109980
Score: 3.39655
Type of gen. func.: ogf

$$\{6 a(n) n + (-37 n - 54) a(n + 1) + (12 n + 27) a(n + 2) + (-n - 3) a(n + 3),$$

$$a(0) = 1, a(1) = 2, a(2) = 8\}$$

Sequence: A109980
Score: 8.66428
Type of gen. func.: lgdogf

$$\frac{-3 + 18 x - 3 x^2 + ((x^2 - 6 x + 1) (3 x - 1)^2)^{1/2}}{(6 x - 1) (x^2 - 6 x + 1)}$$

Sequence: A109980
Score: 9.27313
Type of gen. func.: ogf

$$-6 f(x)^2 x + f(x)^2 + 2 f(x) x - 1$$

Sequence: A109984
Score: 16.6127
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 - 9 x + 22)}{(x - 5) (x^2 - 6 x + 1)}$$

Sequence: A110001
Score: 4.26552
Type of gen. func.: ogf

$$- (x^{15} - x^{14} + x^{13} - x^{12} + 11 x^{11} - 3 x^{10} - x^9 + 3 x^8 + 11 x^7 + 3 x^6 - x^5 - 3 x^4 + x^3 + x^2 + x + 1) / ((x - 1)^5 (1 + x)^5 (x^2 + 1)^5)$$

Sequence: A110003
Score: 4.28602
Type of gen. func.: ogf

$$- (x^{15} + x^{14} - x^{13} - x^{12} + 11 x^{11} - x^{10} - 3 x^9 + 3 x^8 + 11 x^7 - x^6 + 3 x^5 - 3 x^4 + x^3 + x^2 + x + 1) / ((x - 1)^5 (1 + x)^5 (x^2 + 1)^5)$$

Sequence: A110004

Score: 4.16557
Type of gen. func.: ogf

$$-\left(x^{15} + x^{14} - x^{13} - x^{12} - x^{11} + 11 x^{10} - 3 x^{9} + 3 x^{8} - x^{7} + 11 x^{6} + 3 x^{5} - 3 x^{4} + x^{3} + x^{2} + x + 1\right) / \left((x - 1)^{5} (1 + x)^{5} (x^{2} + 1)^{5}\right)$$

Sequence: A110005
Score: 4.26552
Type of gen. func.: ogf

$$\left(x^{15} - x^{14} - x^{13} + x^{12} + 3 x^{11} - 11 x^{10} + x^{9} - 3 x^{8} - 3 x^{7} - 11 x^{6} + x^{5} + 3 x^{4} - x^{3} - x^{2} - x - 1\right) / \left((x - 1)^{5} (1 + x)^{5} (x^{2} + 1)^{5}\right)$$

Sequence: A110008
Score: 4.16557
Type of gen. func.: ogf

$$-\left(x^{15} - x^{14} + x^{13} - x^{12} - x^{11} - 3 x^{10} + 11 x^{9} + 3 x^{8} - x^{7} + 3 x^{6} + 11 x^{5} - 3 x^{4} + x^{3} + x^{2} + x + 1\right) / \left((x - 1)^{5} (1 + x)^{5} (x^{2} + 1)^{5}\right)$$

Sequence: A110009
Score: 4.30653
Type of gen. func.: ogf

$$\left(x^{15} - x^{14} - x^{13} + x^{12} + 3 x^{11} + x^{10} - 11 x^{9} - 3 x^{8} - 3 x^{7} + x^{6} - 11 x^{5} + 3 x^{4} - x^{3} - x^{2} - x - 1\right) / \left((x - 1)^{5} (1 + x)^{5} (x^{2} + 1)^{5}\right)$$

Sequence: A110034
Score: 10.4994
Type of gen. func.: ogf

$$-\frac{2 x^{3} - x^{2} - 3 x + 1}{}$$

$$(x - 1) (1 + x) (x^2 - 3 x + 1)$$

Sequence: A110034
Score: 11.4012
Type of gen. func.: lgdogf

$$-\frac{2 x (x^5 - x^4 - 3 x^3 + 5 x^2 - 1)}{(x - 1) (1 + x) (2 x^3 - x^2 - 3 x + 1) (x^2 - 3 x + 1)}$$

Sequence: A110034
Score: 5.88988
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^4 - 3 f(x) x^3 + 2 x^3 + 3 f(x) x - x^2 - f(x) - 3 x + 1)$$

Sequence: A110035
Score: 10.8706
Type of gen. func.: ogf

$$\frac{x^2 + x - 1}{(x - 1) (1 + x) (x^2 - 3 x + 1)}$$

Sequence: A110035
Score: 11.0132
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 5 x^3 + 3 x^2 + x - 1)}{(x - 1) (1 + x) (x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A110035
Score: 5.86822
Type of gen. func.: ogf

$$(62 f(x) + 21) (f(x) x^4 - 3 f(x) x^3 + 3 f(x) x - x^2 - f(x) - x + 1)$$

```
------------------------------------------------------------------------------

Sequence:  A110038
Score: 10.0705
Type of gen. func.: lgdegf]


                 2      3    4        4      3       2
-24 - 24 x - 12 x  - 4 x  - x  + (-2 x  - 8 x  - 24 x  - 48 x - 24) f(x)

              2
     + 48 f(x)



------------------------------------------------------------------------------

Sequence:  A110044
Score: 5.52603
Type of gen. func.: ogf


    20      18      17      15      14      12      11      9      8      6
(2 x   + 2 x   + 2 x   + 2 x   + 2 x   + 2 x   + 2 x   + 2 x  + 2 x  + 2 x

          5       4       2                 /            2
     + 2 x  + 22 x  - 12 x  - 23 x - 11)  /  ((x - 1) (x  + x + 1))
                                         /



------------------------------------------------------------------------------

Sequence:  A110045
Score: 23.7351
Type of gen. func.: ogf_with_Euler_transform]


                                       x
                                 --------------
                                    2
                                 2 x  - 3 x + 1



------------------------------------------------------------------------------

Sequence:  A110046
Score: 4.17824
Type of gen. func.: ogf


                           4            3           2       3
(334 f(x) - 223) (16 f(x) x  + 16 f(x) x  - 8 f(x) x  + 16 x  - 4 f(x) x

           2
     + 12 x  + f(x) - 4 x - 1)



------------------------------------------------------------------------------

Sequence:  A110046
Score: 6.31361
Type of gen. func.: lgdogf


                        6       5       4      3      2
```

$$-\frac{8\,(32\,x + 48\,x + 16\,x - 8\,x - 2\,x - x + 1)}{(2\,x + 1)\,(-1 + 2\,x)\,(4\,x^{2} + 4\,x - 1)\,(16\,x^{3} + 12\,x^{2} - 4\,x - 1)}$$

Sequence: A110046
Score: 7.47956
Type of gen. func.: ogf

$$-\frac{16\,x^{3} + 12\,x^{2} - 4\,x - 1}{(2\,x + 1)\,(-1 + 2\,x)\,(4\,x^{2} + 4\,x - 1)}$$

Sequence: A110047
Score: 10.2951
Type of gen. func.: ogf

$$-\frac{4\,x^{2} - 2\,x - 1}{(2\,x + 1)\,(-1 + 2\,x)\,(4\,x^{2} + 4\,x - 1)}$$

Sequence: A110047
Score: 5.53752
Type of gen. func.: ogf

$(16\,f(x) - 7)$

$$(16\,f(x)\,x^{4} + 16\,f(x)\,x^{3} - 8\,f(x)\,x^{2} - 4\,f(x)\,x + 4\,x^{2} + f(x) - 2\,x - 1)$$

Sequence: A110047
Score: 7.23756
Type of gen. func.: lgdogf

$$-\frac{2\,(64\,x^{5} - 16\,x^{4} - 64\,x^{3} - 8\,x^{2} + 4\,x + 3)}{(2\,x + 1)\,(-1 + 2\,x)\,(4\,x^{2} + 4\,x - 1)\,(4\,x^{2} - 2\,x - 1)}$$

Sequence: A110048
Score: 13.9833
Type of gen. func.: ogf

$$-\frac{1}{(2x+1)(4x^2+4x-1)}$$

Sequence: A110048
Score: 14.3733
Type of gen. func.: lgdogf

$$-\frac{2(12x^2+12x+1)}{(2x+1)(4x^2+4x-1)}$$

Sequence: A110048
Score: 5.15174
Type of gen. func.: ogf

{-a(n + 3) + 2 a(n + 2) + 12 a(n + 1) + 8 a(n), a(0) = 1, a(1) = 2, a(2) = 16}

Sequence: A110048
Score: 5.70192
Type of gen. func.: ogf

$$(119 f(x) + 25) (8 f(x) x^3 + 12 f(x) x^2 + 2 f(x) x - f(x) + 1)$$

Sequence: A110050
Score: 6.39349
Type of gen. func.: ogf

$$-\frac{16x^4-24x^3-30x^2+9x+2}{(x-1)(2x+1)(-1+2x)(4x^2+4x-1)}$$

Sequence: A110051
Score: 5.73193
Type of gen. func.: lgdogf

$$64x^7+48x^6-64x^5+48x^4+28x^3-75x^2+10x+4$$

$$- \frac{\quad}{(x - 1) (2 x + 1) (-1 + 2 x) (4 x^2 + 4 x - 1) (2 x^3 + x^2 - x + 1)}$$

Sequence: A110051
Score: 7.62978
Type of gen. func.: ogf

$$- \frac{2 x^3 + x^2 - x + 1}{(x - 1) (2 x + 1) (-1 + 2 x) (4 x^2 + 4 x - 1)}$$

Sequence: A110052
Score: 5.01537
Type of gen. func.: ogf

$$(25 f(x) + 11)$$

$$(8 f(x) x^4 - 4 f(x) x^3 - 10 f(x) x^2 + 7 f(x) x - 4 x^2 - f(x) + x)$$

Sequence: A110052
Score: 9.43928
Type of gen. func.: lgdogf

$$- \frac{96 x^4 - 64 x^3 - 28 x^2 + 20 x - 3}{(x - 1) (-1 + 2 x) (-1 + 4 x) (4 x^2 + 4 x - 1)}$$

Sequence: A110052
Score: 9.72676
Type of gen. func.: ogf

$$\frac{x (-1 + 4 x)}{(-1 + 2 x) (x - 1) (4 x^2 + 4 x - 1)}$$

Sequence: A110061
Score: 16.2337
Type of gen. func.: ogf

$$\frac{x^2 (-3 + 4 x)}{x^4 - x^3 + 1}$$

Sequence: A110061
Score: 22.6079
Type of gen. func.: lgdogf

$$- \frac{12 x^4 - 20 x^3 + 9 x^2 - 4}{(-3 + 4 x) (x^4 - x^3 + 1)}$$

Sequence: A110061
Score: 9.25322
Type of gen. func.: ogf

$$(2977 f(x) + 11470) (f(x) x^4 - f(x) x^3 - 4 x^3 + 3 x^2 + f(x))$$

Sequence: A110062
Score: 15.5872
Type of gen. func.: ogf

$$\frac{2 x^2 - x + 1}{x^4 - x^3 + 1}$$

Sequence: A110062
Score: 17.7665
Type of gen. func.: lgdogf

$$- \frac{4 x^5 - 5 x^4 + 6 x^3 - 3 x^2 - 4 x + 1}{(2 x^2 - x + 1) (x^4 - x^3 + 1)}$$

Sequence: A110062
Score: 8.88473
Type of gen. func.: ogf

$$-(32 f(x) + 211) (f(x) x^4 - f(x) x^3 - 2 x^2 + f(x) + x - 1)$$

Sequence: A110063
Score: 16.3055
Type of gen. func.: ogf

$$-\frac{2 x^2 - x + 3}{x^4 - x^3 + 1}$$

Sequence: A110063
Score: 18.1731
Type of gen. func.: lgdogf

$$-\frac{4 x^5 - 5 x^4 + 14 x^3 - 9 x^2 - 4 x + 1}{(2 x^2 - x + 3) (x^4 - x^3 + 1)}$$

Sequence: A110063
Score: 9.29416
Type of gen. func.: ogf

$$(4612 f(x) + 43907) (f(x) x^4 - f(x) x^3 + 2 x^2 + f(x) - x + 3)$$

Sequence: A110064
Score: 18.4738
Type of gen. func.: ogf

$$-\frac{-1 + 4 x}{x^4 - x^3 + 1}$$

Sequence: A110064
Score: 21.9833
Type of gen. func.: lgdogf

$$12 x^4 - 12 x^3 + 3 x^2 - 4$$

$$-\frac{}{(-1 + 4 x) (x^4 - x^3 + 1)}$$

Sequence: A110064
Score: 9.42931
Type of gen. func.: ogf

$$-(2899 f(x) + 57008) (f(x) x^4 - f(x) x^3 + f(x) + 4 x - 1)$$

Sequence: A110090
Score: 13.5395
Type of gen. func.: ogf

$$-\frac{x (x^3 - 2 x^2 - 2 x - 1)}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A110090
Score: 13.5442
Type of gen. func.: lgdogf

$$-\frac{3 x^5 - 8 x^4 - 10 x^3 - 3 x^2 - 4 x - 2}{(x - 1) (x^2 + x + 1) (x^3 - 2 x^2 - 2 x - 1)}$$

Sequence: A110091
Score: 11.5336
Type of gen. func.: ogf

$$\frac{x^5 - x^4 + x^3 + x^2 + x + 1}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A110091
Score: 11.7513
Type of gen. func.: lgdogf

```
     7       6       5       4    3       2
```

$$-\frac{x - 2 x + 3 x + 9 x + x + 9 x + 2 x + 1}{(x - 1) (x^5 - x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)}$$

Sequence: A110099
Score: 3.39299
Type of gen. func.: ogf

$$-f(x)^2 x^4 + 12 f(x)^2 x^3 - 38 f(x)^2 x^2 - f(x) x^3 + 12 f(x)^2 x + 7 f(x) x^2 - f(x)^2 - 7 f(x) x + f(x) - x$$

Sequence: A110110
Score: 4.7807
Type of gen. func.: ogf

$$f(x)^2 x^3 + 2 f(x)^2 x^2 + f(x) x^3 - f(x)^2 x + 3 f(x) x^2 + f(x) x + x^2 - f(x) + 2 x + 1$$

Sequence: A110111
Score: 3.87573
Type of gen. func.: ogf

$$-(11830 f(x) + 843) (729 f(x) x^4 + 189 f(x) x^3 - 84 f(x) x^2 - 7 f(x) x + f(x) - x)$$

Sequence: A110111
Score: 8.52414
Type of gen. func.: lgdogf

$$-\frac{2916 x^3 + 567 x^2 - 168 x - 7}{(27 x^2 + 10 x - 1) (27 x^2 - 3 x - 1)}$$

Sequence: A110111
Score: 9.47398
Type of gen. func.: ogf

$$\frac{x}{(27 x^{2} + 10 x - 1) (27 x^{2} - 3 x - 1)}$$

Sequence: A110118
Score: 5.13258
Type of gen. func.: ogf

$$(x^{2} + 1) (x^{13} + x^{12} + x^{10} + x^{9} + x^{8} + x^{6} + x^{5} + x^{4} + x^{2} + x + 1) \Big/ \left((x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{8} - x^{7} + x^{5} - x^{4} + x^{3} - x + 1) (x - 1)^{2} \right)$$

Sequence: A110122
Score: 6.38423
Type of gen. func.: ogf

$$f(x)^{2} x^{3} - 7 f(x)^{2} x^{2} + f(x)^{2} x + f(x) x^{2} - 4 f(x) x + f(x) - 1$$

Sequence: A110122
Score: 8.30165
Type of gen. func.: revogf

$$- \frac{(5 x^{2} + 2 x + 1)^{1/2} + 3 (5 x^{2} + 2 x + 1)^{1/2} x - 1 - 4 x - 7 x^{2}}{2 x (1 + x)}$$

Sequence: A110127
Score: 3.10723
Type of gen. func.: ogf

$$f(x)^{2} x^{4} - 12 f(x)^{2} x^{3} - f(x) x^{4} + 38 f(x)^{2} x^{2} + 10 f(x) x^{3} - 12 f(x)^{2} x - 26 f(x) x^{2} + f(x)^{2} + 10 f(x) x + x^{2} - f(x)$$

Sequence: A110151

Score: 4.35259
Type of gen. func.: ogf

$$\frac{x (2 x^6 + 2 x^4 + 4 x^3 - 5 x^2 + 3 x - 1)}{(x - 1) (x^4 - 2 x^3 + 2 x^2 + 1) (2 x^4 - 4 x^3 + 3 x^2 - 3 x + 1)}$$

Sequence: A110158
Score: 10.3170
Type of gen. func.: lgdogf

$$- \frac{(3 x + 1) (4 x^3 - 4 x^2 - 4 x + 3)}{(x - 1) (1 + x) (2 x^3 - 2 x^2 - 2 x + 1)}$$

Sequence: A110158
Score: 8.97128
Type of gen. func.: ogf

$$\frac{x^4}{(1 + x) (2 x^3 - 2 x^2 - 2 x + 1) (x - 1)^2}$$

Sequence: A110159
Score: 19.2781
Type of gen. func.: lgdogf

$$- \frac{12 x^2 + 31 x + 11}{(x - 1) (3 x^2 + 5 x + 1)}$$

Sequence: A110159
Score: 3.60037
Type of gen. func.: ogf

{(n + 4) a(n + 4) + (1 + 4 n) a(n + 3) + (-35 - 2 n) a(n + 2)

+ (-15 - 3 n) a(n + 1), a(0) = 1, a(1) = 11, a(2) = 54, a(3) = 179}

Sequence: A110159
Score: 8.26448
Type of gen. func.: ogf

$$\frac{3 x^{2} + 5 x + 1}{(x - 1)^{6}}$$

Sequence: A110161
Score: 12.5569
Type of gen. func.: ogf

$$- \frac{x (x - 1) (1 + x)}{x^{4} - x^{2} + 1}$$

Sequence: A110161
Score: 15.8130
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} - x^{3} (x^{2} + 1)$$

Sequence: A110161
Score: 27.0884
Type of gen. func.: lgdogf

$$- \frac{2 x^{3} (x^{2} - 2)}{(x - 1) (1 + x) (x^{4} - x^{2} + 1)}$$

Sequence: A110161
Score: 6.46132
Type of gen. func.: ogf

$\{a(n + 4) - a(n + 2) + a(n), a(0) = 0, a(1) = 1, a(2) = 0, a(3) = 0\}$

Sequence: A110161
Score: 8.21625
Type of gen. func.: ogf

$$f(x) (f(x) x^4 - f(x) x^2 + x^3 + f(x) - x)$$

Sequence: A110164
Score: 17.7384
Type of gen. func.: ogf

$$-\frac{(x - 1) (1 + x)}{2 x + 1}$$

Sequence: A110164
Score: 24.8139
Type of gen. func.: lgdogf

$$\frac{2 (x^2 + x + 1)}{(x - 1) (2 x + 1) (1 + x)}$$

Sequence: A110164
Score: 8.65802
Type of gen. func.: ogf

$$\{a(n + 3) + 2 a(n + 2), a(0) = 1, a(1) = -2, a(2) = 3\}$$

Sequence: A110164
Score: 9.69698
Type of gen. func.: ogf

$$-(f(x) - 1) (2 f(x) x + x^2 + f(x) - 1)$$

Sequence: A110166
Score: 4.58901
Type of gen. func.: ogf

$$25 f(x)^2 x^3 - 35 f(x)^2 x^2 + 11 f(x)^2 x + 5 f(x) x^2 - f(x)^2 - 6 f(x) x + f(x) - x$$

Sequence: A110167
Score: 4.82201
Type of gen. func.: ogf

$$5 f(x)^2 x^4 + 9 f(x)^2 x^3 - 17 f(x)^2 x^2 + 3 f(x)^2 x + 5 f(x) x^2 - 6 f(x) x + f(x) - 1$$

Sequence: A110170
Score: 10.8154
Type of gen. func.: ogf

$$f(x)^2 x^2 - 6 f(x)^2 x + f(x)^2 - x^2 + 2 x - 1$$

Sequence: A110170
Score: 30.7032
Type of gen. func.: lgdogf

$$- \frac{2 (1 + x)}{(x - 1) (x^2 - 6 x + 1)}$$

Sequence: A110170
Score: 4.77152
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-16 - 7 n) a(n + 2) + (5 + 7 n) a(n + 1) - n a(n),$$
$$a(0) = 1, a(1) = 2, a(2) = 10\}$$

Sequence: A110184
Score: 2.78956
Type of gen. func.: ogf

$$f(x)^2 x^4 - 12 f(x)^2 x^3 - 2 f(x) x^4 + 38 f(x)^2 x^2 + 18 f(x) x^3 - 12 f(x)^2 x - 40 f(x) x^2 + 2 x^3 + f(x)^2 + 18 f(x) x - 3 x^2 - 2 f(x) + 2 x$$

Sequence: A110185

Score: 12.3326
Type of gen. func.: ogf

$$\frac{x (4 x^3 + 3 x^2 + 12 x + 1)}{(1 + x)^2 (x - 1)^2}$$

Sequence: A110185
Score: 13.7250
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^4 + 3 x^3 + 24 x^2 + 5 x + 6)}{(x - 1) (1 + x) (4 x^3 + 3 x^2 + 12 x + 1)}$$

Sequence: A110185
Score: 4.27368
Type of gen. func.: ogf

$$\{(8 n^2 + 12 n) a(n) + (2 n^2 + 9 n + 10) a(n + 1) + (-8 n^2 + 4 n) a(n + 2)$$
$$+ (-2 n^2 - 5 n - 2) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 12\}$$

Sequence: A110185
Score: 7.77733
Type of gen. func.: ogf

$$(256 f(x) + 1211) (f(x) x^4 - 4 x^4 - 2 f(x) x^2 - 3 x^3 - 12 x^2 + f(x) - x)$$

Sequence: A110190
Score: 6.41594
Type of gen. func.: ogf

$$f(x) x^4 - f(x)^2 x^2 - 7 f(x) x^3 + 12 f(x) x^2 - x^3 - 7 f(x) x + 2 x^2 + f(x) - x$$

Sequence: A110198
Score: 12.6274
Type of gen. func.: lgdogf

$$-\frac{3x^4 - 7x^3 + x^2 - 2x + 2}{(x - 1)(x^2 + x + 1)(x^2 - 3x + 1)}$$

Sequence: A110199
Score: 3.70211
Type of gen. func.: ogf

$$\{(-4n - 12)a(n + 1) + (4n + 12)a(n + 2) + (n + 6)a(n + 3) + (-n - 6)a(n + 4), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 2\}$$

Sequence: A110199
Score: 7.71596
Type of gen. func.: ogf

$$f(x)^2 x^4 - 2 f(x)^2 x^3 + f(x)^2 x^2 + f(x) x - f(x) + 1$$

Sequence: A110202
Score: 6.87670
Type of gen. func.: ogf

$$-\frac{x(32x^2 - 38x + 9)}{(2x - 1)(4x - 1)^2 (x - 1)^2}$$

Sequence: A110202
Score: 8.03670
Type of gen. func.: lgdogf

$$-\frac{2(384x^4 - 896x^3 + 756x^2 - 270x + 35)}{(x - 1)(2x - 1)(4x - 1)(32x^2 - 38x + 9)}$$

Sequence: A110203
Score: 3.79092
Type of gen. func.: ogf

$$\frac{x^2 (576 x^4 - 1360 x^3 + 1140 x^2 - 396 x + 49)}{(2 x - 1)^2 (4 x - 1)^3 (x - 1)^3}$$

Sequence: A110206
Score: 4.18199
Type of gen. func.: ogf

{a(n + 3) - 28 a(n + 2) + 224 a(n + 1) - 512 a(n), a(0) = 1, a(1) = 36,

a(2) = 784}

Sequence: A110206
Score: 4.40209
Type of gen. func.: ogf

$$(5823 f(x) - 3896) (512 f(x) x^3 - 224 f(x) x^2 + 28 f(x) x - f(x) + 8 x + 1)$$

Sequence: A110206
Score: 8.04506
Type of gen. func.: lgdogf

$$- \frac{4 (2048 x^3 - 64 x^2 - 112 x + 9)}{(16 x - 1) (8 x - 1) (1 + 8 x) (4 x - 1)}$$

Sequence: A110206
Score: 8.65240
Type of gen. func.: ogf

$$- \frac{1 + 8 x}{(16 x - 1) (8 x - 1) (4 x - 1)}$$

Sequence: A110210
Score: 16.0944
Type of gen. func.: lgdogf

$$- \frac{48 x^3 + 18 x^2 - 1}{}$$

$$(x - 1) (1 + 4 x) (6 x^2 + 6 x + 1)$$

Sequence: A110210
Score: 16.1659
Type of gen. func.: ogf

$$\frac{1 + 4 x}{(x - 1) (6 x^2 + 6 x + 1)}$$

Sequence: A110210
Score: 7.73901
Type of gen. func.: ogf

$$\{a(n + 3) + 5 a(n + 2) - 6 a(n), a(0) = -1, a(1) = 1, a(2) = -5\}$$

Sequence: A110210
Score: 8.17377
Type of gen. func.: ogf

$$-(3 f(x) + 1) (6 f(x) x^3 - 5 f(x) x - f(x) - 4 x - 1)$$

Sequence: A110211
Score: 15.4169
Type of gen. func.: lgdogf

$$- \frac{3 (8 x^3 + 6 x^2 - 1)}{(x - 1) (2 x + 1) (6 x^2 + 6 x + 1)}$$

Sequence: A110211
Score: 15.5371
Type of gen. func.: ogf

$$\frac{2 x + 1}{(x - 1) (6 x^2 + 6 x + 1)}$$

Sequence: A110211
Score: 7.35969
Type of gen. func.: ogf

$$\{-a(n + 3) - 5\, a(n + 2) + 6\, a(n),\ a(0) = -1,\ a(1) = 3,\ a(2) = -15\}$$

Sequence: A110211
Score: 9.08015
Type of gen. func.: ogf

$$f(x)\, (6\, f(x)\, x^3 - 5\, f(x)\, x - f(x) - 2\, x - 1)$$

Sequence: A110212
Score: 23.3388
Type of gen. func.: lgdogf

$$- \frac{18\, x^2 - 5}{(x - 1)\, (6\, x^2 + 6\, x + 1)}$$

Sequence: A110212
Score: 24.8764
Type of gen. func.: ogf

$$\frac{1}{(x - 1)\, (6\, x^2 + 6\, x + 1)}$$

Sequence: A110212
Score: 7.59386
Type of gen. func.: ogf

$$\{-a(n + 3) - 5\, a(n + 2) + 6\, a(n),\ a(0) = -1,\ a(1) = 5,\ a(2) = -25\}$$

Sequence: A110212
Score: 8.48727
Type of gen. func.: ogf

$$-(f(x) + 1) (6 f(x) x - 5 f(x) x - f(x) - 1)$$

Sequence: A110213
Score: 16.2434
Type of gen. func.: ogf

$$\frac{2 x - 1}{(x - 1) (6 x^2 + 6 x + 1)}$$

Sequence: A110213
Score: 16.4430
Type of gen. func.: lgdogf

$$-\frac{24 x^3 - 18 x^2 + 7}{(x - 1) (2 x - 1) (6 x^2 + 6 x + 1)}$$

Sequence: A110213
Score: 7.69423
Type of gen. func.: ogf

$$\{-a(n + 3) - 5 a(n + 2) + 6 a(n), a(0) = 1, a(1) = -7, a(2) = 35\}$$

Sequence: A110213
Score: 8.49945
Type of gen. func.: ogf

$$(45 f(x) + 4) (6 f(x) x^3 - 5 f(x) x - f(x) - 2 x + 1)$$

Sequence: A110224
Score: 4.26337
Type of gen. func.: ogf

$$(683 f(x) - 9)$$

$$(f(x) x^4 + 3 f(x) x^3 - 6 f(x) x^2 + x^3 - 3 f(x) x + 3 x^2 + f(x) + x - 1)$$

Sequence: A110224
Score: 7.53332
Type of gen. func.: lgdogf

$$-\frac{x^6 + 6 x^5 + 18 x^4 + 8 x^3 - 9 x^2 + 6 x + 2}{(1 + x) (x^2 + 2 x - 1) (x^2 + 4 x - 1) (x^2 - x - 1)}$$

Sequence: A110224
Score: 7.69621
Type of gen. func.: ogf

$$-\frac{(1 + x) (x^2 + 2 x - 1)}{(x^2 + 4 x - 1) (x^2 - x - 1)}$$

Sequence: A110225
Score: 6.89958
Type of gen. func.: ogf

$$\frac{x^8 - 2 x^7 - 2 x^6 + 3 x^5 - 8 x^3 + 2 x^2 + 3 x - 1}{(x - 1) (1 + x) (x^2 + 2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A110241
Score: 4.93415
Type of gen. func.: ogf

$$-(41 f(x) - 11) (64 f(x) x^3 - 24 f(x) x^2 - 6 f(x) x + 8 x^2 + f(x) + 4 x - 1)$$

Sequence: A110241
Score: 5.10577
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) + 24 a(n + 1) - 64 a(n), a(0) = 1, a(1) = 2, a(2) = 28\}$$

Sequence: A110241
Score: 7.66907

Type of gen. func.: lgdogf

$$-\frac{2\,(256\,x^4+256\,x^3-120\,x^2+16\,x+1)}{(1+4\,x)\,(8\,x-1)\,(2\,x-1)\,(8\,x^2+4\,x-1)}$$

Sequence: A110241
Score: 9.32005
Type of gen. func.: ogf

$$-\frac{8\,x^2+4\,x-1}{(1+4\,x)\,(8\,x-1)\,(2\,x-1)}$$

Sequence: A110269
Score: 13.8954
Type of gen. func.: lgdogf

$$-\frac{(2\,x+1)\,(3\,x^4+6\,x^3+5\,x^2+2\,x+2)}{(x-1)\,(1+x)\,(x^2+x+1)\,(3\,x^2+4\,x+2)}$$

Sequence: A110269
Score: 13.9619
Type of gen. func.: ogf

$$-\frac{x\,(3\,x^2+4\,x+2)}{(x-1)\,(1+x)\,(x^2+x+1)}$$

Sequence: A110269
Score: 7.8915
Type of gen. func.: ogf

$$(f(x)+2)\,(f(x)\,x^4+f(x)\,x^3+3\,x^3-f(x)\,x+4\,x^2-f(x)+2\,x)$$

Sequence: A110270
Score: 14.7892

Type of gen. func.: ogf

$$-\frac{x\,(2\,x^{4}+1)}{(x-1)\,(1+x)\,(x^{2}+x+1)\,(x^{2}-x+1)}$$

Sequence: A110270
Score: 15.1981
Type of gen. func.: lgdogf

$$-\frac{2\,x^{3}\,(2\,x^{6}+3\,x^{2}+4)}{(x-1)\,(1+x)\,(x^{2}+x+1)\,(x^{2}-x+1)\,(2\,x^{4}+1)}$$

Sequence: A110272
Score: 3.72492
Type of gen. func.: ogf

$$(17516\,f(x)+659)$$

$$(f(x)\,x^{4}+12\,f(x)\,x^{3}-30\,f(x)\,x^{2}+x^{3}-12\,f(x)\,x+4\,x^{2}+f(x)-x)$$

Sequence: A110272
Score: 6.95971
Type of gen. func.: ogf

$$-\frac{x\,(x^{2}+4\,x-1)}{(x^{2}+14\,x-1)\,(x^{2}-2\,x-1)}$$

Sequence: A110272
Score: 7.12694
Type of gen. func.: lgdogf

$$-\frac{2\,(x^{5}+12\,x^{4}+46\,x^{3}-72\,x^{2}+29\,x+4)}{(x^{2}+14\,x-1)\,(x^{2}+4\,x-1)\,(x^{2}-2\,x-1)}$$

Sequence: A110273
Score: 3.47972
Type of gen. func.: ogf

$$(452638 f(x) + 14263) (f(x) x^4 + 12 f(x) x^3 - 30 f(x) x^2 + x^3 - 12 f(x) x + 5 x^2 + f(x) + 3 x - 1)$$

Sequence: A110273
Score: 6.03744
Type of gen. func.: lgdogf

$$-\frac{x^6 + 10 x^5 + 99 x^4 + 92 x^3 - 69 x^2 + 50 x + 9}{(1 + x) (x^2 + 14 x - 1) (x^2 + 4 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A110273
Score: 6.48096
Type of gen. func.: ogf

$$-\frac{(1 + x) (x^2 + 4 x - 1)}{(x^2 + 14 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A110274
Score: 6.35379
Type of gen. func.: ogf

$$\frac{8 x^4 + 28 x^3 + 6 x^2 - 7 x - 16}{(x - 1) (x^2 + x + 1) (4 x^2 - 8 x + 1)}$$

Sequence: A110275
Score: 6.39965
Type of gen. func.: ogf

$$-\frac{40 x^4 - 36 x^3 - 10 x^2 - 39 x + 48}{(x - 1) (x^2 + x + 1) (4 x^2 - 8 x + 1)}$$

Sequence: A110276
Score: 7.19737
Type of gen. func.: lgdogf

$$-\frac{-(x^2-6x+1)^{1/2}+8x(x^2-6x+1)^{1/2}+1-3x-4x^2}{2x(4x-1)(x^2-6x+1)^{1/2}}$$

Sequence: A110286
Score: 14.6431
Type of gen. func.: ogf

$$\{a(n+1)-2a(n),\ a(0)=15\}$$

Sequence: A110286
Score: 18.4781
Type of gen. func.: ogf

$$-2f(x)x+f(x)-15$$

Sequence: A110286
Score: 29.3210
Type of gen. func.: revegf]

$$-1/2\ln(15)+1/2\ln(15+2x)$$

Sequence: A110286
Score: 29.8493
Type of gen. func.: ogf

$$-\frac{15}{2x-1}$$

Sequence: A110286
Score: 69.3042
Type of gen. func.: lgdogf

2

```
                                    - -------
                                      2 x - 1
```

Sequence: A110287
Score: 14.7726
Type of gen. func.: ogf

```
                         {a(n + 1) - 2 a(n), a(0) = 17}
```

Sequence: A110287
Score: 18.6416
Type of gen. func.: ogf

```
                             -2 f(x) x + f(x) - 17
```

Sequence: A110287
Score: 29.5851
Type of gen. func.: revegf]

```
                         -1/2 ln(17) + 1/2 ln(17 + 2 x)
```

Sequence: A110287
Score: 30.1135
Type of gen. func.: ogf

```
                                         17
                                    - -------
                                      2 x - 1
```

Sequence: A110287
Score: 76.9214
Type of gen. func.: lgdogf

```
                                          2
                                    - -------
                                      2 x - 1
```

Sequence: A110288
Score: 14.8374
Type of gen. func.: ogf

$\{a(n+1) - 2\,a(n),\ a(0) = 19\}$

Sequence: A110288
Score: 18.7234
Type of gen. func.: ogf

$$-2 f(x) x + f(x) - 19$$

Sequence: A110288
Score: 29.7172
Type of gen. func.: revegf]

$$-1/2 \ln(19) + 1/2 \ln(19 + 2 x)$$

Sequence: A110288
Score: 30.2455
Type of gen. func.: ogf

$$-\frac{19}{2 x - 1}$$

Sequence: A110288
Score: 77.2648
Type of gen. func.: lgdogf

$$-\frac{2}{2 x - 1}$$

Sequence: A110293
Score: 11.4033
Type of gen. func.: ogf

$$-\frac{x^3 + x^2 - 7 x - 1}{(x^2 - 4 x + 1) (x^2 + 4 x + 1)}$$

Sequence: A110293
Score: 6.78036

Type of gen. func.: ogf

$$-(5822 f(x) - 571) (f(x) x^4 - 14 f(x) x^2 + x^3 + x^2 + f(x) - 7 x - 1)$$

Sequence: A110293
Score: 7.98587
Type of gen. func.: lgdogf

$$- \frac{x^6 + 2 x^5 - 7 x^4 - 4 x^3 + 95 x^2 + 26 x + 7}{(x^2 - 4 x + 1) (x^2 + 4 x + 1) (x^3 + x^2 - 7 x - 1)}$$

Sequence: A110294
Score: 10.2460
Type of gen. func.: lgdogf

$$- \frac{2 (x^5 - 12 x^4 + 2 x^3 + 56 x^2 - 15 x + 4)}{(x^2 + 4 x + 1) (x^2 - 4 x + 1) (x^2 - 8 x + 1)}$$

Sequence: A110294
Score: 12.0986
Type of gen. func.: ogf

$$\frac{x^2 - 8 x + 1}{(x^2 - 4 x + 1) (x^2 + 4 x + 1)}$$

Sequence: A110294
Score: 7.01715
Type of gen. func.: ogf

$$(5822 f(x) - 1539) (f(x) x^4 - 14 f(x) x^2 - x^2 + f(x) + 8 x - 1)$$

Sequence: A110303
Score: 28.8762
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{19} + x^{18} + 2$$

Sequence: A110307
Score: 11.6702
Type of gen. func.: ogf

$$\frac{2 x + 1}{(x^2 + x + 1) (x^2 + 5 x + 1)}$$

Sequence: A110307
Score: 5.51848
Type of gen. func.: ogf

$(110871 f(x) - 5639)$

$$(f(x) x^4 + 6 f(x) x^3 + 7 f(x) x^2 + 6 f(x) x + f(x) - 2 x - 1)$$

Sequence: A110308
Score: 10.7076
Type of gen. func.: ogf

$$- \frac{x (x + 2)}{(x^2 + x + 1) (x^2 + 5 x + 1)}$$

Sequence: A110308
Score: 12.4930
Type of gen. func.: lgdogf

$$- \frac{3 x^4 + 20 x^3 + 43 x^2 + 28 x + 11}{(x + 2) (x^2 + x + 1) (x^2 + 5 x + 1)}$$

Sequence: A110308
Score: 5.1176
Type of gen. func.: ogf

$-(45651 f(x) - 1319)$

$$(f(x)\, x^4 + 6\, f(x)\, x^3 + 7\, f(x)\, x^2 + 6\, f(x)\, x + x^2 + f(x) + 2\, x)$$

Sequence: A110309
Score: 10.1790
Type of gen. func.: ogf

$$\frac{x^2 + 3\, x + 1}{(x^2 + x + 1)\, (x^2 + 5\, x + 1)}$$

Sequence: A110309
Score: 10.3968
Type of gen. func.: lgdogf

$$- \frac{2\, x^5 + 15\, x^4 + 40\, x^3 + 33\, x^2 + 12\, x + 3}{(x^2 + x + 1)\, (x^2 + 3\, x + 1)\, (x^2 + 5\, x + 1)}$$

Sequence: A110309
Score: 5.20259
Type of gen. func.: ogf

$$-(527\, f(x) + 4)$$

$$(f(x)\, x^4 + 6\, f(x)\, x^3 + 7\, f(x)\, x^2 + 6\, f(x)\, x - x^2 + f(x) - 3\, x - 1)$$

Sequence: A110310
Score: 10.6396
Type of gen. func.: ogf

$$\frac{x^2 - x + 1}{(x^2 + x + 1)\, (x^2 + 5\, x + 1)}$$

Sequence: A110310
Score: 11.6854
Type of gen. func.: lgdogf

$$-\frac{2x^5+3x^4-8x^3+5x^2+12x+7}{(x^2+x+1)(x^2+5x+1)(x^2-x+1)}$$

Sequence: A110310
Score: 5.39802
Type of gen. func.: ogf

$$-(790 f(x)+99)\,(f(x) x^4+6 f(x) x^3+7 f(x) x^2+6 f(x) x-x^2+f(x)+x-1)$$

Sequence: A110311
Score: 16.1727
Type of gen. func.: ogf

$$\frac{1}{(x^2+x+1)(x^2+5x+1)}$$

Sequence: A110311
Score: 17.1181
Type of gen. func.: lgdogf

$$-\frac{2(2x^3+9x^2+7x+3)}{(x^2+x+1)(x^2+5x+1)}$$

Sequence: A110311
Score: 5.73051
Type of gen. func.: ogf

$$-(12099 f(x)+104)\,(f(x) x^4+6 f(x) x^3+7 f(x) x^2+6 f(x) x+f(x)-1)$$

Sequence: A110313
Score: 25.0277
Type of gen. func.: lgdegf]

$$2 + x - x^2 + (x^2 + x - 1) f(x)$$

Sequence: A110315
Score: 7.76658
Type of gen. func.: ogf

$$-\frac{(x^2 + 2 x - 1) (x^2 - x - 1)}{(x - 1)^3 (1 + x)^3}$$

Sequence: A110322
Score: 18.9480
Type of gen. func.: lgdegf]

$$\frac{(2 x + 1) (x - 2)}{(1 + x) (2 x - 1)}$$

Sequence: A110325
Score: 13.2002
Type of gen. func.: ogf

$$\frac{2 x^2 + 3 x - 1}{(x - 1)^3}$$

Sequence: A110325
Score: 32.3890
Type of gen. func.: lgdogf

$$-\frac{2 x (x + 5)}{(x - 1) (2 x^2 + 3 x - 1)}$$

Sequence: A110325
Score: 6.60008
Type of gen. func.: ogf

$$-(2096 f(x) + 13529) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 2 x^2 - f(x) - 3 x + 1)$$

Sequence: A110325
Score: 7.25414
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 1, a(1) = 0, a(2) = -5\}$$

Sequence: A110326
Score: 10.0680
Type of gen. func.: ogf

$$-\frac{x^4 + x^3 - 6 x^2 - x + 1}{(x - 1)^3 (1 + x)^3}$$

Sequence: A110326
Score: 15.6924
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 3 x^4 - 20 x^3 - 2 x^2 - 6 x - 1}{(x - 1) (1 + x) (x^4 + x^3 - 6 x^2 - x + 1)}$$

Sequence: A110328
Score: 26.5639
Type of gen. func.: lgdegf]

$$\frac{x^2 - 3}{x^2 + 2 x - 1}$$

Sequence: A110331
Score: 13.3393
Type of gen. func.: ogf

$$-\frac{x^2 - 4 x + 1}{(x - 1)^3}$$

Sequence: A110331
Score: 31.9271
Type of gen. func.: lgdogf

$$-\frac{x^2 - 6x - 1}{(x - 1)(x^2 - 4x + 1)}$$

Sequence: A110331
Score: 7.26518
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = -1, a(2) = -5\}$$

Sequence: A110331
Score: 9.14271
Type of gen. func.: ogf

$$-f(x) x^3 + 3 f(x) x^2 - 3 f(x) x - x^2 + f(x) + 4 x - 1$$

Sequence: A110332
Score: 10.1503
Type of gen. func.: ogf

$$-\frac{x^4 + 2x^3 - 4x^2 - 2x + 1}{(x - 1)^3 (1 + x)^3}$$

Sequence: A110332
Score: 15.7072
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 + 3x^4 - 6x^3 - 2x^2 - x - 1)}{(x - 1)(1 + x)(x^4 + 2x^3 - 4x^2 - 2x + 1)}$$

Sequence: A110344
Score: 11.3107
Type of gen. func.: ogf

$$-\frac{7x^3 + 3x^2 + 5x + 1}{(x-1)^3 (1+x)^3}$$

Sequence: A110345
Score: 10.1405
Type of gen. func.: lgdogf

$$-\frac{4x^5 + 3x^4 + 44x^3 + 18x^2 + 24x + 3}{(x-1)(1+x)(2x^4 + x^3 + 9x^2 + 3x + 1)}$$

Sequence: A110345
Score: 9.07875
Type of gen. func.: ogf

$$-\frac{2x^4 + x^3 + 9x^2 + 3x + 1}{(x-1)^3 (1+x)^3}$$

Sequence: A110347
Score: 8.98238
Type of gen. func.: revegf]

$$\frac{-5 - 18x + ((12x^2 + 6x + 1)(24x^2 + 30x + 5)^2)^{1/2}}{27(2x+1)^3}$$

Sequence: A110349
Score: 9.66499
Type of gen. func.: ogf

$$-\frac{x^3 + 2x^2 + 4x + 1}{{}^{2}\qquad{}^{3}}$$

$$(1 + x)\ (x - 1)$$

Sequence: A110365
Score: 14.4249
Type of gen. func.: lgdogf

$$\frac{2\,(28\,x^{2} + 8\,x + 1)}{(28\,x^{2} - 1)\,(20\,x^{2} - 2\,x - 1)}$$

Sequence: A110365
Score: 14.6440
Type of gen. func.: ogf

$$\frac{2\,(20\,x^{2} - 2\,x - 1)}{28\,x^{2} - 1}$$

Sequence: A110365
Score: 8.68421
Type of gen. func.: ogf

$$\{a(n + 3) - 28\,a(n + 1),\ a(0) = 2,\ a(1) = 4,\ a(2) = 16\}$$

Sequence: A110365
Score: 9.22028
Type of gen. func.: ogf

$$-(2\,f(x) - 3)\,(28\,f(x)\,x^{2} - 40\,x^{2} - f(x) + 4\,x + 2)$$

Sequence: A110369
Score: 10.9512
Type of gen. func.: ogf

$$\frac{11\,x - 2}{(10\,x - 1)\,(x - 1)^{2}}$$

Sequence: A110369
Score: 14.5820
Type of gen. func.: lgdogf

$$-\frac{220 x^2 - 71 x + 13}{(x - 1) (11 x - 2) (10 x - 1)}$$

Sequence: A110369
Score: 4.99377
Type of gen. func.: ogf

$$-(25110081 f(x) + 21159220)$$

$$(10 f(x) x^3 - 21 f(x) x^2 + 12 f(x) x - f(x) - 11 x + 2)$$

Sequence: A110369
Score: 5.29001
Type of gen. func.: ogf

$$\{a(n + 3) - 12 a(n + 2) + 21 a(n + 1) - 10 a(n), a(0) = 2, a(1) = 13, a(2) = 114\}$$

Sequence: A110370
Score: 6.02055
Type of gen. func.: ogf

$$(f(x) x + 2 f(x) - 5 x - 2) (f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A110371
Score: 12.0273
Type of gen. func.: egf]

$$f(x)^2 x^2 + 4 f(x) x - 2 f(x) + 4$$

Sequence: A110371
Score: 15.8831
Type of gen. func.: lgdegf]

$$\frac{4}{(1 - 4 x)^{1/2} (1 + (1 - 4 x)^{1/2})}$$

Sequence: A110371
Score: 6.22465
Type of gen. func.: ogf

$$\{(4 n^2 + 18 n + 20) a(n + 1) + (-n - 4) a(n + 2), a(0) = 2, a(1) = 4\}$$

Sequence: A110388
Score: 8.64934
Type of gen. func.: ogf

$$- \frac{8 x^9 + 7 x^8 + 3 x^7 + 3 x^6 + 5 x^5 + 4 x^4 + 6 x^3 + 6 x^2 + 2 x + 1}{(x - 1) (1 + x) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x^4 - x^2 + 1)}$$

Sequence: A110391
Score: 12.8800
Type of gen. func.: ogf

$$- \frac{4 x^2 - 2 x - 1}{(x^2 - 3 x + 1) (1 + x)}$$

Sequence: A110391
Score: 14.4878
Type of gen. func.: lgdogf

$$- \frac{(2 x^2 - x + 2)^2}{(1 + x) (x^2 - 3 x + 1) (4 x^2 - 2 x - 1)}$$

Sequence: A110391
Score: 6.83197
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + 4 x^2 + f(x) - 2 x - 1)$$

Sequence: A110391
Score: 7.01497
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 1, a(1) = 4, a(2) = 6\}$$

Sequence: A110395
Score: 11.5615
Type of gen. func.: lgdegf]

$$\frac{2 (50 x^3 + 100 x^2 + 60 x + 9)}{(1 + x) (10 x^2 + 10 x + 1)}$$

Sequence: A110395
Score: 4.01152
Type of gen. func.: ogf

$$\{(-10 n^2 - 70 n - 120) a(n + 1) + (n^2 - 3 n - 28) a(n + 2) + (n + 3) a(n + 3),$$

$$a(0) = 1, a(1) = 18, a(2) = 246\}$$

Sequence: A110397
Score: 7.83725
Type of gen. func.: ogf

$$- \frac{9900 x^{11} - 19800 x^{10} + 9900 x^9 + 100 x^2 - 201 x + 99}{(x - 1)^3}$$

Sequence: A110400
Score: 3.34308
Type of gen. func.: ogf

$$-(56934431471907 f(x) - 398236113166954) (10 f(x) x^3 + 200 x^4 - f(x) x^2$$

$$+ 300 x^3 - 10 f(x) x + 79 x^2 + f(x) - 11 x - 1)$$

Sequence: A110400
Score: 6.52884
Type of gen. func.: ogf

$$-\frac{200 x^4 + 300 x^3 + 79 x^2 - 11 x - 1}{(x - 1) (10 x - 1) (1 + x)}$$

Sequence: A110402
Score: 7.65576
Type of gen. func.: ogf

$$-(f(x) x^2 - 2 f(x) x + f(x) + x - 11)^2$$

Sequence: A110403
Score: 5.18623
Type of gen. func.: ogf

$$(f(x) - 11) (f(x) x^2 - 2 f(x) x + f(x) + 10 x - 11)^2$$

Sequence: A110422
Score: 16.6323
Type of gen. func.: lgdogf

$$-\frac{2 (1 + x) (5 x^4 - 11 x^3 + 12 x^2 - 5 x + 1)}{(x - 1) (x^2 + 1) (2 x^3 - x^2 + 1)}$$

Sequence: A110422
Score: 9.02464
Type of gen. func.: ogf

$$\frac{2 x^3 - x^2 + 1}{(x - 1)^2 (x^2 + 1)^3}$$

Sequence: A110426
Score: 10.0861
Type of gen. func.: ogf

$$\frac{2 x^{2} + 2 x - 1}{(x - 1)^{5}}$$

Sequence: A110426
Score: 24.8252
Type of gen. func.: lgdogf

$$- \frac{3 (2 x^{2} + 4 x - 1)}{(x - 1) (2 x^{2} + 2 x - 1)}$$

Sequence: A110426
Score: 4.37801
Type of gen. func.: ogf

$\{(n + 4) a(n + 4) + (-12 - 3 n) a(n + 3) + 12 a(n + 2) + (8 + 2 n) a(n + 1),$

$a(0) = 1, a(1) = 3, a(2) = 3, a(3) = -5\}$

Sequence: A110427
Score: 11.5561
Type of gen. func.: ogf

$$- \frac{x^{2} + 3 x - 1}{(x - 1)^{4}}$$

Sequence: A110427
Score: 27.5453
Type of gen. func.: lgdogf

$$- \frac{2 x^{2} + 11 x - 1}{{}^{2}}$$

$$(x - 1) (x + 3 x - 1)$$

Sequence: A110427
Score: 4.00690
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-13 - 4 n) a(n + 3) + (15 + 2 n) a(n + 2) + (n + 3) a(n + 1), a(0) = 1, a(1) = 1, a(2) = -3, a(3) = -14\}$$

Sequence: A110427
Score: 5.82025
Type of gen. func.: ogf

$$(22950 f(x) - 35197) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + x^2 + f(x) + 3 x - 1)$$

Sequence: A110430
Score: 11.3495
Type of gen. func.: ogf

$$\frac{5 x^2 - x + 5}{(10 x - 1) (x - 1)}$$

Sequence: A110430
Score: 13.6099
Type of gen. func.: lgdogf

$$- \frac{9 (5 x^2 + 10 x - 6)}{(x - 1) (10 x - 1) (5 x^2 - x + 5)}$$

Sequence: A110430
Score: 5.83384
Type of gen. func.: ogf

$$\{-a(n + 3) + 11 a(n + 2) - 10 a(n + 1), a(0) = 5, a(1) = 54, a(2) = 549\}$$

Sequence: A110430
Score: 6.43527
Type of gen. func.: ogf

$$(11 + 14 f(x)) (10 f(x) x^2 - 11 f(x) x - 5 x^2 + f(x) + x - 5)$$

Sequence: A110431
Score: 13.57
Type of gen. func.: ogf

$$-10 f(x) x + f(x) + 5 x - 6$$

Sequence: A110431
Score: 16.4269
Type of gen. func.: ogf

$$\frac{5 x - 6}{10 x - 1}$$

Sequence: A110431
Score: 19.7562
Type of gen. func.: revogf

$$3/5 + x - \frac{(25 x^2 + 25 x + 9)^{1/2}}{5}$$

Sequence: A110431
Score: 32.2339
Type of gen. func.: lgdogf

$$\frac{55}{(10 x - 1) (5 x - 6)}$$

Sequence: A110431
Score: 8.43542
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1), a(0) = 6, a(1) = 55\}$$

Sequence: A110450
Score: 35.2149
Type of gen. func.: ogf_with_Euler_transform]

$$[7 - 2 x]$$

Sequence: A110450
Score: 36.7311
Type of gen. func.: lgdogf

$$- \frac{7 + 3 x}{(x - 1) (1 + x)}$$

Sequence: A110450
Score: 5.56248
Type of gen. func.: ogf

$$\{(n + 2) a(n + 3) - 7 a(n + 2) + (-3 - n) a(n + 1), a(0) = 0, a(1) = 3, a(2) = 21\}$$

Sequence: A110450
Score: 8.98039
Type of gen. func.: ogf

$$- \frac{3 x (1 + x)^2}{(x - 1)^5}$$

Sequence: A110451
Score: 10.0032
Type of gen. func.: ogf

$$\frac{x (3 x^2 + 14 x + 7)}{(x - 1)^4}$$

Sequence: A110451
Score: 20.8402
Type of gen. func.: lgdogf

$$-\frac{6 (x + 7) (1 + x)}{(x - 1) (3 x^2 + 14 x + 7)}$$

Sequence: A110451
Score: 3.66455
Type of gen. func.: ogf

$$\{(21 + 7 n) a(n + 4) + (-28 + 7 n) a(n + 3) + (-59 - 11 n) a(n + 2)$$

$$+ (-6 - 3 n) a(n + 1), a(0) = 0, a(1) = 7, a(2) = 42, a(3) = 129\}$$

Sequence: A110451
Score: 4.93492
Type of gen. func.: ogf

$$-(1040904 f(x) + 7145197)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 3 x^3 - 4 f(x) x - 14 x^2 + f(x) - 7 x)$$

Sequence: A110452
Score: 50.5361
Type of gen. func.: lgdogf

$$1$$

Sequence: A110468
Score: 3.90495
Type of gen. func.: ogf

$$\{(-4 n^3 - 26 n^2 - 56 n - 40) a(n + 1) + (n + 3) a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A110485
Score: 4.26552
Type of gen. func.: ogf

15 14 13 12 11 10 9 8 7 6 5 4

$$(x - x + x - x + 3 x - 11 x - 3 x + x - 3 x - 11 x + 3 x + x$$

$$- x^{3} - x^{2} - x - 1) / ((x - 1)^{5} (1 + x)^{5} (x^{2} + 1)^{5})$$

Sequence: A110491
Score: 11.7177
Type of gen. func.: egf]

$$-2 f(x)^{2} x + f(x)^{2} - 2 x - 1$$

Sequence: A110491
Score: 31.2438
Type of gen. func.: lgdegf]

$$- \frac{2}{(2 x - 1) (2 x + 1)}$$

Sequence: A110491
Score: 5.62908
Type of gen. func.: ogf

$$\{(-4 n^{2} - 4 n) a(n) + a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 2\}$$

Sequence: A110508
Score: 6.75953
Type of gen. func.: ogf

$$f(x)^{2} x^{3} + 2 f(x)^{2} x^{2} + f(x)^{2} + f(x) x - 3 f(x) + 2$$

Sequence: A110508
Score: 7.44139
Type of gen. func.: lgdogf

$$- \frac{-4 x + 24 x^{3} + 29 x^{2} + (-(8 x - 1) (x^{2} - 10 x - 2))^{1/2}}{2 (8 x - 1) (x^{3} + 2 x^{2} + 1)}$$

Sequence: A110512
Score: 10.0712
Type of gen. func.: ogf

$$2 f(x) x^2 + f(x) x + f(x) - x - 1$$

Sequence: A110512
Score: 14.0997
Type of gen. func.: ogf

$$\frac{1 + x}{2 x^2 + x + 1}$$

Sequence: A110512
Score: 17.2455
Type of gen. func.: revogf

$$- \frac{x - 1 + (-7 x^2 + 2 x + 1)^{1/2}}{2 (2 x - 1)}$$

Sequence: A110512
Score: 24.6364
Type of gen. func.: lgdogf

$$- \frac{2 x (x + 2)}{(1 + x) (2 x^2 + x + 1)}$$

Sequence: A110512
Score: 7.83317
Type of gen. func.: ogf

$$\{-a(n + 2) - a(n + 1) - 2 a(n), a(0) = 1, a(1) = 0\}$$

Sequence: A110513
Score: 18.4938
Type of gen. func.: ogf

$$\frac{1 + x}{x^3 + 2 x + 1}$$

Sequence: A110513
Score: 25.8254
Type of gen. func.: lgdogf

$$- \frac{2 x^3 + 3 x^2 + 1}{(1 + x) (x^3 + 2 x + 1)}$$

Sequence: A110513
Score: 8.85341
Type of gen. func.: ogf

$$\{-a(n + 3) - 2 a(n + 2) - a(n), a(0) = 1, a(1) = -1, a(2) = 2\}$$

Sequence: A110513
Score: 9.3508
Type of gen. func.: ogf

$$-(5 f(x) - 3) (f(x) x^3 + 2 f(x) x + f(x) - x - 1)$$

Sequence: A110514
Score: 13.1303
Type of gen. func.: ogf

$$\frac{x^3 + x^2 - x + 1}{(x^2 + 1) (1 + x)^2 (x - 1)^2}$$

Sequence: A110514
Score: 16.3288
Type of gen. func.: lgdogf

$$3 x^6 + 4 x^5 - 3 x^4 + 8 x^3 + x^2 + 4 x - 1$$

$$- \frac{}{(x - 1) (1 + x) (x^2 + 1) (x^3 + x^2 - x + 1)}$$

Sequence: A110516
Score: 13.6610
Type of gen. func.: ogf

$$- \frac{x^3 + x^2 - x + 1}{(x^2 + 1) (x - 1) (1 + x)^2}$$

Sequence: A110516
Score: 17.0359
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 + 2 x - 1) (x^4 - x^3 + x^2 + 1)}{(x - 1) (1 + x) (x^2 + 1) (x^3 + x^2 - x + 1)}$$

Sequence: A110520
Score: 10.7302
Type of gen. func.: ogf

$$-4 f(x)^2 x - f(x)^2 + 4 f(x) - 3$$

Sequence: A110520
Score: 12.3016
Type of gen. func.: lgdogf

$$- \frac{2 (-1 + 12 x + 2 (1 - 12 x)^{1/2})}{(1 + 4 x) (-1 + 12 x)}$$

Sequence: A110520
Score: 17.5205
Type of gen. func.: revogf

$$(2 - 2 x + (4 x^2 - 8 x + 1)^{1/2}) x$$

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                       3
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Sequence: A110520
Score: 3.85725
Type of gen. func.: ogf

$$\{(48 n + 72) a(n + 1) + (8 n + 6) a(n + 2) + (-3 - n) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 10\}$$

Sequence: A110521
Score: 6.45235
Type of gen. func.: ogf

$$f(x)^2 x^3 + 2 f(x)^2 x^2 + 2 f(x)^2 + f(x) x - 5 f(x) + 3$$

Sequence: A110521
Score: 6.92988
Type of gen. func.: lgdogf

$$- \frac{-4 x + 45 x^2 + 36 x^3 + (-(-1 + 12 x) (x^2 - 16 x - 4)^2)^{1/2}}{2 (-1 + 12 x) (x^3 + 2 x^2 + 2)}$$

Sequence: A110523
Score: 10.2670
Type of gen. func.: ogf

$$\{-a(n + 2) - a(n + 1) - 3 a(n), a(0) = 1, a(1) = 0\}$$

Sequence: A110523
Score: 13.2005
Type of gen. func.: ogf

$$3 f(x) x^2 + f(x) x + f(x) - x - 1$$

Sequence: A110523

Score: 18.4806
Type of gen. func.: ogf

$$\frac{1 + x}{3 x^{2} + x + 1}$$

Sequence: A110523
Score: 21.7133
Type of gen. func.: revogf

$$- \frac{x - 1 + (-11 x^{2} + 2 x + 1)^{1/2}}{2 (-1 + 3 x)}$$

Sequence: A110523
Score: 31.7945
Type of gen. func.: lgdogf

$$- \frac{3 x (x + 2)}{(1 + x) (3 x^{2} + x + 1)}$$

Sequence: A110524
Score: 17.4057
Type of gen. func.: ogf

$$\frac{1 + x}{2 x^{3} + 2 x + 1}$$

Sequence: A110524
Score: 22.9124
Type of gen. func.: lgdogf

$$- \frac{4 x^{3} + 6 x^{2} + 1}{(1 + x) (2 x^{3} + 2 x + 1)}$$

Sequence: A110524

Score: 8.33252
Type of gen. func.: ogf

$$\{-a(n + 3) - 2 a(n + 2) - 2 a(n), a(0) = 1, a(1) = -1, a(2) = 2\}$$

Sequence: A110524
Score: 8.80063
Type of gen. func.: ogf

$$-(7 f(x) - 5) (2 f(x) x^3 + 2 f(x) x + f(x) - x - 1)$$

Sequence: A110525
Score: 6.45706
Type of gen. func.: ogf

$$-f(x)^2 x^3 + f(x)^2 x - 3 f(x)^2 - f(x) x + 6 f(x) - 3$$

Sequence: A110525
Score: 7.23074
Type of gen. func.: lgdogf

$$\frac{-1 + 12 x + 3 x^2 - 36 x^3 + (-(-1 + 12 x) (x^2 - 18 x + 1)^2)^{1/2}}{2 (-1 + 12 x) (x^3 - x + 3)}$$

Sequence: A110526
Score: 13.8422
Type of gen. func.: ogf

$$- \frac{x}{(1 + x) (x^2 + 4 x - 1)}$$

Sequence: A110526
Score: 19.1676
Type of gen. func.: lgdogf

$$- \frac{(x + 3) (3 x + 1)}{2}$$

$$(1 + x) (x + 4 x - 1)$$

Sequence: A110526
Score: 5.61169
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + 5 a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 3\}$$

Sequence: A110526
Score: 5.98941
Type of gen. func.: ogf

$$-(47 f(x) - 5) (f(x) x^{3} + 5 f(x) x^{2} + 3 f(x) x - f(x) + x)$$

Sequence: A110527
Score: 10.2866
Type of gen. func.: ogf

$$-\frac{x (5 x + 1)}{(1 + x) (x^{2} + 4 x - 1)}$$

Sequence: A110527
Score: 5.18883
Type of gen. func.: ogf

$$(2228 f(x) + 2065) (f(x) x^{3} + 5 f(x) x^{2} + 3 f(x) x + 5 x^{2} - f(x) + x)$$

Sequence: A110527
Score: 5.28232
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + 5 a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 8\}$$

Sequence: A110528
Score: 4.68642
Type of gen. func.: ogf

$$-(206620 f(x) - 81873) (f(x) x^3 + 5 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x) + 7 x + 1)$$

Sequence: A110528
Score: 5.09751
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + 5 a(n + 1) + a(n), a(0) = 1, a(1) = 10, a(2) = 37\}$$

Sequence: A110528
Score: 9.52649
Type of gen. func.: ogf

$$-\frac{2 x^2 + 7 x + 1}{(1 + x) (x^2 + 4 x - 1)}$$

Sequence: A110532
Score: 10.0590
Type of gen. func.: ogf

$$\frac{x^2 (2 x^4 + 2 x^3 + x^2 + x + 1)}{(1 + x) (x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A110533
Score: 4.53981
Type of gen. func.: ogf

$$-\frac{x^5 (x^{11} + x^{10} + x^9 + x^8 + x^7 + 3 x^6 + 4 x^5 + x^4 + x^3 + x^2 + 3 x + 2)}{(x^4 - x^3 + x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1)^2 (1 + x)^2 (x - 1)^3}$$

Sequence: A110549
Score: 7.08773
Type of gen. func.: lgdogf

$$- (x^{12} + 2 x^{11} + 7 x^{10} - 4 x^9 + 16 x^8 - 4 x^7 + 6 x^6 + x^4 + 10 x^3 - x^2 + 4 x + 2$$

$$\Bigg) \Bigg/ \left((x-1)(x^2+1)(x^2-x+1)(x^4+2x^3+4x^2+2x+1)(x^4+1)\right)$$

Sequence: A110549
Score: 7.60725
Type of gen. func.: ogf

$$-\frac{(x^2-x+1)(x^4+2x^3+4x^2+2x+1)}{(x^4+1)(x^2+1)(x-1)}$$

Sequence: A110550
Score: 10.2564
Type of gen. func.: lgdogf

$$-\frac{x^8+4x^7-5x^6+10x^5-4x^4-4x^3+7x^2-2x+3}{(x-1)(x^2+3x+1)(x^2-x+1)(x^4+1)}$$

Sequence: A110550
Score: 11.5591
Type of gen. func.: ogf

$$-\frac{(x^2+3x+1)(x^2-x+1)}{(x-1)(x^4+1)}$$

Sequence: A110551
Score: 13.4994
Type of gen. func.: ogf

$$-\frac{x^2+x+1}{(x-1)(x^2-x+1)}$$

Sequence: A110551
Score: 16.7805
Type of gen. func.: lgdogf

$$-\frac{x^4 + 2 x^3 - x^2 - 2 x + 3}{(x - 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A110551
Score: 24.8915
Type of gen. func.: ogf_with_Euler_transform]

$$x^5 - 2 x^2 - x + 3$$

Sequence: A110551
Score: 7.35237
Type of gen. func.: ogf

$$(4 f(x) - 39) (f(x) x^3 - 2 f(x) x^2 + 2 f(x) x + x^2 - f(x) + x + 1)$$

Sequence: A110551
Score: 7.35237
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 3, a(2) = 5}

Sequence: A110556
Score: 6.63894
Type of gen. func.: ogf

{(-4 n - 2) a(n) + (-n - 1) a(n + 1), a(0) = 1, a(1) = -1}

Sequence: A110556
Score: 8.73065
Type of gen. func.: ogf

$$4 f(x)^2 x + f(x)^2 - 4 f(x) x - f(x) + x$$

Sequence: A110568

Score: 7.70055
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 + 3x^2 - x + 1}{(x - 1)(x^2 + x + 1)(x^2 - x + 1)}$$

Sequence: A110568
Score: 9.98251
Type of gen. func.: lgdogf

$$-\frac{x(x^7 - 2x^6 + 9x^5 - 8x^4 + 7x^3 - 2x + 4)}{(x - 1)(x^2 + x + 1)(x^2 - x + 1)(x^4 - x^3 + 3x^2 - x + 1)}$$

Sequence: A110569
Score: 8.85446
Type of gen. func.: ogf

$$-\frac{(x^2 + 1)(2x^2 - x + 2)}{(x - 1)(x^2 + x + 1)(x^2 - x + 1)}$$

Sequence: A110569
Score: 9.36588
Type of gen. func.: lgdogf

$$-\frac{2x^8 - 2x^7 + 11x^6 - 8x^5 + 10x^4 + 4x + 1}{(x - 1)(x^2 + 1)(x^2 + x + 1)(2x^2 - x + 2)(x^2 - x + 1)}$$

Sequence: A110591
Score: 11.5267
Type of gen. func.: ogf

$$-(x^{52} + x^{48} - x^{16} - x^4 - 1) \Big/ \left((1 + x)(x^2 + 1)(x^4 + 1)(x^8 + 1)(x^2 + x + 1)(x^2 - x + 1)(x^4 - x^2 + 1)(x^8 - x^4 + 1)(x^{16} - x^8 + 1)\right)$$

$$(x - 1)^2)$$

Sequence: A110592
Score: 11.0532
Type of gen. func.: lgdogf

$$\frac{24 x^{25} - 25 x^{24} + 4 x^5 - 5 x^4 - 1}{(x - 1) (x^2 + x + 1) (x^8 - x^7 + x^5 - x^4 + x^3 - x + 1) (x^{15} - x^{10} + 1)}$$

Sequence: A110592
Score: 19.8259
Type of gen. func.: ogf

$$- \frac{(x^2 + x + 1) (x^8 - x^7 + x^5 - x^4 + x^3 - x + 1) (x^{15} - x^{10} + 1)}{x - 1}$$

Sequence: A110593
Score: 14.8424
Type of gen. func.: ogf

$$-3 f(x) x + f(x) + 3 x - 3$$

Sequence: A110593
Score: 18.0516
Type of gen. func.: ogf

$$\frac{3 (x - 1)}{-1 + 3 x}$$

Sequence: A110593
Score: 19.8448
Type of gen. func.: revogf

$$1/2 + x/2 - \frac{(9 x^2 + 6 x + 9)^{1/2}}{6}$$

Sequence: A110593
Score: 40.9299
Type of gen. func.: lgdogf

$$\frac{2}{(-1 + 3 x) (x - 1)}$$

Sequence: A110593
Score: 9.27653
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1), a(0) = 3, a(1) = 6\}$$

Sequence: A110594
Score: 14.0052
Type of gen. func.: ogf

$$-4 f(x) x + f(x) + 4 x - 4$$

Sequence: A110594
Score: 17.0333
Type of gen. func.: ogf

$$\frac{4 (x - 1)}{4 x - 1}$$

Sequence: A110594
Score: 21.2997
Type of gen. func.: revogf

$$1/2 + x/2 - \frac{(x^2 + x + 1)^{1/2}}{2}$$

Sequence: A110594
Score: 38.6057
Type of gen. func.: lgdogf

3

(4 x - 1) (x - 1)

Sequence: A110594
Score: 8.63333
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1), a(0) = 4, a(1) = 12\}$$

Sequence: A110595
Score: 13.1253
Type of gen. func.: ogf

$$-5 f(x) x + f(x) + 5 x - 5$$

Sequence: A110595
Score: 15.6340
Type of gen. func.: revogf

$$1/2 + x/2 - \frac{(25 x^2 + 30 x + 25)^{1/2}}{10}$$

Sequence: A110595
Score: 15.9632
Type of gen. func.: ogf

$$\frac{5 (x - 1)}{5 x - 1}$$

Sequence: A110595
Score: 38.5639
Type of gen. func.: lgdogf

$$\frac{4}{(5 x - 1) (x - 1)}$$

Sequence: A110595
Score: 8.09092

Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1), a(0) = 5, a(1) = 20\}$$

Sequence: A110609
Score: 4.09180
Type of gen. func.: ogf

$$\{(8 n^2 + 28 n + 24) a(n + 1) + (2 n^2 + 20 n + 42) a(n + 2) + (-n^2 - 6 n - 8) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 8\}$$

Sequence: A110609
Score: 4.23536
Type of gen. func.: ogf

$$-64 f(x)^2 x^4 + 48 f(x)^2 x^3 - 12 f(x)^2 x^2 + 64 f(x) x^3 + f(x)^2 x - 48 f(x) x^2 - 4 x^3 + 12 f(x) x - 4 x^2 - f(x) + x$$

Sequence: A110610
Score: 15.1795
Type of gen. func.: lgdogf

$$- \frac{3 x^3 - 5 x^2 - 2 x - 4}{(x - 1) (1 + x) (x^3 - 2 x^2 + x - 1)}$$

Sequence: A110610
Score: 5.12667
Type of gen. func.: ogf

$$(6528 f(x) + 75827) (f(x) x^4 - 4 f(x) x^3 + x^4 + 6 f(x) x^2 - x^3 - 4 f(x) x - x^2 + f(x) - 1)$$

Sequence: A110610
Score: 9.36725
Type of gen. func.: ogf

$$-\frac{(1 + x) (x^3 - 2 x^2 + x - 1)}{(x - 1)^4}$$

Sequence: A110611
Score: 13.6906
Type of gen. func.: lgdogf

$$-\frac{x^5 - x^4 + x^3 + x^2 + 10 x + 4}{(x - 1) (1 + x) (x^4 - 2 x^3 + x^2 + x + 1)}$$

Sequence: A110611
Score: 8.55475
Type of gen. func.: ogf

$$\frac{x^4 - 2 x^3 + x^2 + x + 1}{(1 + x) (x - 1)^4}$$

Sequence: A110613
Score: 10.1758
Type of gen. func.: lgdogf

$$-\frac{x (40 x^3 - 80 x^2 + 39 x - 6)}{(2 x - 1) (4 x - 1) (1 + x) (5 x^2 - 5 x + 1)}$$

Sequence: A110613
Score: 10.5009
Type of gen. func.: ogf

$$\frac{5 x^2 - 5 x + 1}{(4 x - 1) (2 x - 1) (1 + x)}$$

Sequence: A110613
Score: 5.52204
Type of gen. func.: ogf

$$(1228 f(x) - 499) (8 f(x) x^3 + 2 f(x) x^2 - 5 f(x) x - 5 x^2 + f(x) + 5 x - 1)$$

Sequence: A110613
Score: 5.77078
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 2 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 0, a(2) = 3\}$$

Sequence: A110614
Score: 11.2934
Type of gen. func.: lgdogf

$$- \frac{64 x^4 + 16 x^2 - 20 x + 5}{(4 x - 1) (2 x - 1) (1 + x) (8 x^2 - 1)}$$

Sequence: A110614
Score: 13.4325
Type of gen. func.: ogf

$$- \frac{8 x^2 - 1}{(4 x - 1) (2 x - 1) (1 + x)}$$

Sequence: A110614
Score: 6.77570
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 2 a(n + 1) + 8 a(n), a(0) = 1, a(1) = 5, a(2) = 15\}$$

Sequence: A110614
Score: 7.02434
Type of gen. func.: ogf

$$(23 f(x) + 52) (8 f(x) x^3 + 2 f(x) x^2 - 5 f(x) x + 8 x^2 + f(x) - 1)$$

Sequence: A110622
Score: 4.26552
Type of gen. func.: ogf

$$-(x^{15} - x^{14} - x^{13} + x^{12} + 11 x^{11} - 3 x^{10} + 3 x^{9} - x^{8} + 11 x^{7} + 3 x^{6} - 3 x^{5} - x^{4} + x^{3} + x^{2} + x + 1) / ((x - 1)^{5} (1 + x)^{5} (x^{2} + 1)^{5})$$

Sequence: A110650
Score: 4.32704
Type of gen. func.: ogf

$$(x^{15} + x^{14} - x^{13} - x^{12} + 3 x^{11} - 3 x^{10} - 11 x^{9} + x^{8} - 3 x^{7} + 3 x^{6} - 11 x^{5} + x^{4} - x^{3} - x^{2} - x - 1) / ((x - 1)^{5} (1 + x)^{5} (x^{2} + 1)^{5})$$

Sequence: A110651
Score: 4.18598
Type of gen. func.: ogf

$$(x^{15} + x^{14} - x^{13} - x^{12} - 3 x^{11} + 3 x^{10} - 11 x^{9} + x^{8} + 3 x^{7} - 3 x^{6} - 11 x^{5} + x^{4} - x^{3} - x^{2} - x - 1) / ((x - 1)^{5} (1 + x)^{5} (x^{2} + 1)^{5})$$

Sequence: A110652
Score: 4.18598
Type of gen. func.: ogf

$$(x^{15} - x^{14} + x^{13} - x^{12} - 3 x^{11} - 11 x^{10} + 3 x^{9} + x^{8} + 3 x^{7} - 11 x^{6} - 3 x^{5} + x^{4} - x^{3} - x^{2} - x - 1) / ((x - 1)^{5} (1 + x)^{5} (x^{2} + 1)^{5})$$

Sequence: A110653
Score: 4.30653
Type of gen. func.: ogf

$$-(x^{15} - x^{14} - x^{13} + x^{12} + 11 x^{11} + 3 x^{10} - 3 x^{9} - x^{8} + 11 x^{7} - 3 x^{6} + 3 x^{5} - x^{4} + x^{3} + x^{2} + x + 1) / ((x - 1)^{5} (1 + x)^{5} (x^{2} + 1)^{5})$$

Sequence: A110654
Score: 11.8673
Type of gen. func.: ogf

$$f(x) x^{3} - f(x) x^{2} - f(x) x + f(x) - x$$

Sequence: A110654
Score: 20.3063
Type of gen. func.: ogf

$$\frac{x}{(x - 1)^{2} (1 + x)}$$

Sequence: A110654
Score: 43.3805
Type of gen. func.: ogf_with_Euler_transform]

$$[1 + x]$$

Sequence: A110654
Score: 45.0396
Type of gen. func.: lgdogf

$$-\frac{3 x + 1}{(x - 1) (1 + x)}$$

Sequence: A110654
Score: 8.23229
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 1\}$$

Sequence: A110655
Score: 20.6626
Type of gen. func.: ogf

$$\frac{x}{(x^2 + 1) (1 + x) (x - 1)^2}$$

Sequence: A110655
Score: 21.8238
Type of gen. func.: lgdogf

$$-a(n + 4) + a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 5$$

Sequence: A110655
Score: 37.0892
Type of gen. func.: ogf_with_Euler_transform]

$$[x^3 + 1]$$

Sequence: A110655
Score: 9.02736
Type of gen. func.: ogf

$$-(f(x) + 2) (f(x) x^5 - f(x) x^4 - f(x) x + f(x) - x)$$

Sequence: A110656
Score: 15.7501
Type of gen. func.: lgdogf

$$- \frac{9 x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}{(x - 1) (1 + x) (x^2 + 1) (x^4 + 1)}$$

Sequence: A110656
Score: 21.3030
Type of gen. func.: ogf

$$\frac{x}{(1 + x)\,(x^2 + 1)\,(x^4 + 1)\,(x - 1)^2}$$

Sequence: A110656
Score: 38.2552
Type of gen. func.: ogf_with_Euler_transform]

$$[x^7 + 1]$$

Sequence: A110657
Score: 12.3865
Type of gen. func.: lgdogf

$$-\frac{2 x^6 - 5 x^5 + 3 x^4 + 5 x^3 + 3 x^2 - 2 x + 2}{(x - 1)\,(1 + x)\,(x^2 + 1)\,(x^3 - 2 x^2 + x + 1)}$$

Sequence: A110657
Score: 12.6769
Type of gen. func.: ogf

$$\frac{x\,(x^3 - 2 x^2 + x + 1)}{(x^2 + 1)\,(1 + x)\,(x - 1)^2}$$

Sequence: A110658
Score: 8.71145
Type of gen. func.: ogf

$$\frac{(x^6 - 2 x^4 + x^2 + 1)\,(x^2 - x + 1)}{(1 + x)\,(x^2 + 1)\,(x^4 + 1)\,(x - 1)^2}$$

Sequence: A110659
Score: 13.2840
Type of gen. func.: lgdogf

$$-\frac{x^2 (x^5 - 3 x^4 - x^3 + 3 x^2 - 2 x - 6)}{(x - 1) (1 + x) (x^2 + 1) (x^4 - 2 x^3 + x - 1)}$$

Sequence: A110659
Score: 13.4118
Type of gen. func.: ogf

$$-\frac{x^4 - 2 x^3 + x - 1}{(x^2 + 1) (1 + x) (x - 1)^2}$$

Sequence: A110660
Score: 13.7789
Type of gen. func.: ogf

$$-\frac{2 x^2}{(1 + x)^2 (x - 1)^3}$$

Sequence: A110660
Score: 39.8529
Type of gen. func.: ogf_with_Euler_transform]

$$[2 x + 1]$$

Sequence: A110660
Score: 41.6195
Type of gen. func.: lgdogf

$$-\frac{5 x + 1}{(x - 1) (1 + x)}$$

Sequence: A110660
Score: 6.36751
Type of gen. func.: ogf

$$\{(-n - 1) a(n + 3) + a(n + 2) + (n + 4) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A110660
Score: 7.18386
Type of gen. func.: ogf

$$-f(x)\,x^5 + f(x)\,x^4 + 2\,f(x)\,x^3 - 2\,f(x)\,x^2 - f(x)\,x - 2\,x^2 + f(x)$$

Sequence: A110665
Score: 12.3371
Type of gen. func.: ogf

$$-\frac{(2\,x - 1)\,x}{(x^2 - x + 1)^2}$$

Sequence: A110665
Score: 6.36437
Type of gen. func.: ogf

$$(9\,f(x) - 91)\,(f(x)\,x^4 - 2\,f(x)\,x^3 + 3\,f(x)\,x^2 - 2\,f(x)\,x + 2\,x^2 + f(x) - x)$$

Sequence: A110666
Score: 12.3485
Type of gen. func.: ogf

$$\frac{(2\,x - 1)\,x}{(x - 1)\,(x^2 - x + 1)^2}$$

Sequence: A110666
Score: 24.4957
Type of gen. func.: lgdogf

$$-\frac{8\,x^3 - 15\,x^2 + 9\,x - 1}{(x - 1)\,(2\,x - 1)\,(x^2 - x + 1)}$$

Sequence: A110667
Score: 10.2987
Type of gen. func.: ogf

$$-\frac{(2x-1)x}{(x-1)^2(x^2-x+1)^2}$$

Sequence: A110667
Score: 23.3122
Type of gen. func.: lgdogf

$$-\frac{2(5x^3-9x^2+6x-1)}{(x-1)(2x-1)(x^2-x+1)}$$

Sequence: A110668
Score: 21.4726
Type of gen. func.: lgdogf

$$-\frac{3(4x^3-7x^2+5x-1)}{(x-1)(2x-1)(x^2-x+1)}$$

Sequence: A110668
Score: 8.83581
Type of gen. func.: ogf

$$\frac{(2x-1)x}{(x^2-x+1)^2(x-1)^3}$$

Sequence: A110669
Score: 20.2935
Type of gen. func.: lgdogf

$$-\frac{2(7x^3-12x^2+9x-2)}{(x-1)(2x-1)(x^2-x+1)}$$

Sequence: A110669
Score: 8.07776
Type of gen. func.: ogf

$$-\frac{(2x-1)x}{(x^2-x+1)^2(x-1)^4}$$

Sequence: A110670
Score: 19.0777
Type of gen. func.: lgdogf

$$-\frac{16x^3-27x^2+21x-5}{(x-1)(2x-1)(x^2-x+1)}$$

Sequence: A110670
Score: 7.13861
Type of gen. func.: ogf

$$\frac{(2x-1)x}{(x^2-x+1)^2(x-1)^5}$$

Sequence: A110671
Score: 19.1939
Type of gen. func.: lgdogf

$$-\frac{6(3x^3-5x^2+4x-1)}{(x-1)(2x-1)(x^2-x+1)}$$

Sequence: A110671
Score: 6.26351
Type of gen. func.: ogf

$$-\frac{(2x-1)x}{(x^2-x+1)^2(x-1)^6}$$

Sequence: A110672
Score: 18.2051
Type of gen. func.: lgdogf

$$- \frac{20 x^3 - 33 x^2 + 27 x - 7}{(x - 1) (2 x - 1) (x^2 - x + 1)}$$

Sequence: A110672
Score: 5.69313
Type of gen. func.: ogf

$$\frac{(2 x - 1) x}{(x^2 - x + 1)^2 (x - 1)^7}$$

Sequence: A110678
Score: 13.8080
Type of gen. func.: ogf

$$- \frac{2 (36 x^2 - 73 x + 36)}{(x - 1)^3}$$

Sequence: A110678
Score: 26.6264
Type of gen. func.: lgdogf

$$- \frac{36 x^2 - 74 x + 35}{(x - 1) (36 x^2 - 73 x + 36)}$$

Sequence: A110678
Score: 7.29692
Type of gen. func.: ogf

$$-(41 f(x) + 5550) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 72 x^2 - f(x) - 146 x + 72)$$

Sequence: A110678
Score: 7.80452
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 72, a(1) = 70, a(2) = 66\}$$

Sequence: A110679
Score: 13.6043
Type of gen. func.: ogf

$$\frac{x - 1}{(1 + x) (x^2 + 4 x - 1)}$$

Sequence: A110679
Score: 13.7087
Type of gen. func.: lgdogf

$$- \frac{2 (x^3 + x^2 - 5 x - 1)}{(x - 1) (1 + x) (x^2 + 4 x - 1)}$$

Sequence: A110679
Score: 6.38079
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + 5 a(n + 1) + a(n), a(0) = 1, a(1) = 2, a(2) = 11\}$$

Sequence: A110679
Score: 6.67619
Type of gen. func.: ogf

$$(3944 f(x) + 577) (f(x) x^3 + 5 f(x) x^2 + 3 f(x) x - f(x) - x + 1)$$

Sequence: A110683
Score: 6.49908
Type of gen. func.: ogf

$$\frac{(7 x^2 + 3 x - 1) (2 x^2 + 2 x + 1)}{(x - 1) (3 x^2 + 3 x + 1) (2 x^3 + 2 x^2 + 4 x + 1)}$$

Sequence: A110684
Score: 6.46901
Type of gen. func.: ogf

$$\frac{4 x^4 - 4 x^3 - 12 x^2 - 8 x - 1}{(x - 1) (3 x^2 + 3 x + 1) (2 x^3 + 2 x^2 + 4 x + 1)}$$

Sequence: A110685
Score: 6.15375
Type of gen. func.: ogf

$$\frac{4 x^4 - 4 x^3 - 2 x^2 + 4 x + 1}{(x - 1) (3 x^2 + 3 x + 1) (2 x^3 + 2 x^2 + 4 x + 1)}$$

Sequence: A110686
Score: 5.56222
Type of gen. func.: lgdogf

$$- (144 x^8 + 576 x^7 + 724 x^6 + 596 x^5 + 290 x^4 + 68 x^3 + 35 x^2 + 20 x + 4) \Big/ \Big((2 x + 1) (x - 1) (4 x^2 + 8 x + 1) (2 x^3 + 2 x^2 + 4 x + 1) (3 x^2 + 3 x + 1) \Big)$$

Sequence: A110686
Score: 6.94071
Type of gen. func.: ogf

$$\frac{(2 x + 1) (4 x^2 + 8 x + 1)}{(x - 1) (3 x^2 + 3 x + 1) (2 x^3 + 2 x^2 + 4 x + 1)}$$

Sequence: A110687
Score: 5.69691
Type of gen. func.: lgdogf

$$-2(42x^8+120x^7+79x^6-94x^5-204x^4-172x^3-90x^2-28x-4) \Big/ \left((3x^2+3x+1)(2x^2+2x+1)(7x^2+3x-1)(2x^3+2x^2+4x+1)\right)$$

Sequence: A110687
Score: 6.99049
Type of gen. func.: ogf

$$-\frac{(7x^2+3x-1)(2x^2+2x+1)}{(3x^2+3x+1)(2x^3+2x^2+4x+1)}$$

Sequence: A110688
Score: 7.08153
Type of gen. func.: ogf

$$-\frac{(2x+1)(6x^2+4x+1)}{(3x^2+3x+1)(2x^3+2x^2+4x+1)}$$

Sequence: A110689
Score: 6.18139
Type of gen. func.: lgdogf

$$-\frac{3(32x^7+152x^6+240x^5+218x^4+112x^3+22x^2-2x-1)}{(2x+1)(4x^2+8x+1)(2x^3+2x^2+4x+1)(3x^2+3x+1)}$$

Sequence: A110689
Score: 7.47496
Type of gen. func.: ogf

$$(2x+1)(4x^2+8x+1)$$

$$\overline{(3 x^2 + 3 x + 1) (2 x^3 + 2 x^2 + 4 x + 1)}$$

Sequence: A110690
Score: 10.1372
Type of gen. func.: lgdogf

$$- \frac{5 x^4 + 100 x^3 + 265 x^2 + 166 x + 22}{(x - 1) (x^4 + 16 x^3 + 31 x^2 + 13 x + 1)}$$

Sequence: A110690
Score: 5.01646
Type of gen. func.: ogf

$$- \frac{x^4 + 16 x^3 + 31 x^2 + 13 x + 1}{(x - 1)^9}$$

Sequence: A110691
Score: 3.73236
Type of gen. func.: ogf

$$\frac{x^6 + 35 x^5 + 227 x^4 + 410 x^3 + 227 x^2 + 35 x + 1}{(x - 1)^{10}}$$

Sequence: A110691
Score: 6.16916
Type of gen. func.: lgdogf

$$- \frac{4 x^6 + 181 x^5 + 1537 x^4 + 3778 x^3 + 3046 x^2 + 769 x + 45}{(x - 1) (x^6 + 35 x^5 + 227 x^4 + 410 x^3 + 227 x^2 + 35 x + 1)}$$

Sequence: A110692
Score: 5.45791
Type of gen. func.: ogf

$$\frac{8 x^4 + 54 x^3 + 71 x^2 + 21 x + 1}{(x - 1)^8}$$

Sequence: A110692
Score: 9.69646
Type of gen. func.: lgdogf

$$- \frac{32 x^4 + 302 x^3 + 588 x^2 + 289 x + 29}{(x - 1) (8 x^4 + 54 x^3 + 71 x^2 + 21 x + 1)}$$

Sequence: A110693
Score: 3.88428
Type of gen. func.: ogf

$$\frac{9 x^5 + 86 x^4 + 195 x^3 + 133 x^2 + 26 x + 1}{(x - 1)^{10}}$$

Sequence: A110693
Score: 7.00616
Type of gen. func.: lgdogf

$$- \frac{45 x^5 + 561 x^4 + 1709 x^3 + 1649 x^2 + 500 x + 36}{(x - 1) (9 x^5 + 86 x^4 + 195 x^3 + 133 x^2 + 26 x + 1)}$$

Sequence: A110694
Score: 12.2181
Type of gen. func.: lgdogf

$$- \frac{20 x^3 + 120 x^2 + 113 x + 19}{(x - 1) (4 x^3 + 18 x^2 + 11 x + 1)}$$

Sequence: A110694
Score: 5.80262
Type of gen. func.: ogf

$$\frac{4 x^3 + 18 x^2 + 11 x + 1}{(x - 1)^8}$$

Sequence: A110706
Score: 3.35587
Type of gen. func.: ogf

$$\{(8 n^2 + 32 n + 32) a(n + 1) + (7 n^2 + 59 n + 120) a(n + 2) + (-n^2 - 9 n - 20) a(n + 3), a(0) = 6, a(1) = 30, a(2) = 174\}$$

Sequence: A110711
Score: 3.23003
Type of gen. func.: ogf

$$\{(-8 n^2 - 32 n - 32) a(n + 1) + (-7 n^2 - 43 n - 64) a(n + 2) + (n^2 + 7 n + 10) a(n + 3), a(0) = 0, a(1) = 6, a(2) = 42\}$$

Sequence: A110712
Score: 8.58092
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-4 x^9 - 3 x^8 - x^7 - 3 x^6 - x^5 - 4 x^4 - x^3 - 3 x^2 - x - 3}{x^{10} - 1}$$

Sequence: A110731
Score: 6.95484
Type of gen. func.: lgdegf]

$$1 - 3 f(x) + 3 f(x)^2 - f(x)^3$$

Sequence: A110803
Score: 10.9638
Type of gen. func.: lgdogf

$$\frac{2\,(36\,x^{10} - 80\,x^{9} + 45\,x^{8} + 1)}{(x - 1)\,(9\,x^{10} - 10\,x^{9} - 1)}$$

Sequence: A110803
Score: 9.92954
Type of gen. func.: ogf

$$-\frac{9\,x^{10} - 10\,x^{9} - 1}{(x - 1)^{2}}$$

Sequence: A110807
Score: 10.4889
Type of gen. func.: lgdogf

$$-\frac{2\,(100\,x^{3} - 30\,x + 11)}{(x - 1)\,(10\,x - 1)\,(10\,x^{2} - 1)}$$

Sequence: A110807
Score: 3.32105
Type of gen. func.: ogf

$$-(97206318\,f(x) - 38518621)$$

$$(100\,f(x)\,x^{4} - 220\,f(x)\,x^{3} + 141\,f(x)\,x^{2} + 90\,x^{3} - 22\,f(x)\,x + f(x) - 9\,x)$$

Sequence: A110807
Score: 6.86956
Type of gen. func.: ogf

$$-\frac{9\,x\,(10\,x^{2} - 1)}{(10\,x - 1)^{2}\,(x - 1)^{2}}$$

Sequence: A110822
Score: 18.55
Type of gen. func.: ogf

$$-x^2 - 30 x - 1 + f(x)^2$$

Sequence: A110822
Score: 39.8274
Type of gen. func.: lgdogf

$$\frac{15 + x}{x^2 + 30 x + 1}$$

Sequence: A110822
Score: 5.04761
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (45 + 30 n) a(n + 2) + n a(n + 1), a(0) = 1, a(1) = 15,

a(2) = -112}

Sequence: A110824
Score: 17.3534
Type of gen. func.: ogf

$$-x^2 - 62 x - 1 + f(x)^2$$

Sequence: A110824
Score: 37.1300
Type of gen. func.: lgdogf

$$\frac{31 + x}{x^2 + 62 x + 1}$$

Sequence: A110824

Score: 4.72201
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (93 + 62 n) a(n + 2) + n a(n + 1), a(0) = 1, a(1) = 31, a(2) = -480\}$$

Sequence: A110826
Score: 17.1089
Type of gen. func.: ogf

$$-x^{2} - 126 x - 1 + f(x)^{2}$$

Sequence: A110826
Score: 35.4892
Type of gen. func.: lgdogf

$$\frac{63 + x}{x^{2} + 126 x + 1}$$

Sequence: A110826
Score: 4.67643
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (189 + 126 n) a(n + 2) + n a(n + 1), a(0) = 1, a(1) = 63, a(2) = -1984\}$$

Sequence: A110828
Score: 16.9749
Type of gen. func.: ogf

$$-x^{2} - 254 x - 1 + f(x)^{2}$$

Sequence: A110828
Score: 33.5282
Type of gen. func.: lgdogf

```
   127 + x
--------------
 2
```

$$x + 254 x + 1$$

Sequence: A110828
Score: 4.60907
Type of gen. func.: ogf

$\{(n + 3) a(n + 3) + (381 + 254 n) a(n + 2) + n a(n + 1), a(0) = 1, a(1) = 127,$

$a(2) = -8064\}$

Sequence: A110830
Score: 17.5836
Type of gen. func.: lgdogf

$$\frac{x^3 + 21 x^2 + 35 x + 7}{x^4 + 28 x^3 + 70 x^2 + 28 x + 1}$$

Sequence: A110831
Score: 12.8097
Type of gen. func.: ogf

$$- \frac{x^2 - 26 x + 31}{(x - 1)^3}$$

Sequence: A110831
Score: 23.2878
Type of gen. func.: lgdogf

$$- \frac{x^2 - 50 x + 67}{(x - 1) (x^2 - 26 x + 31)}$$

Sequence: A110831
Score: 6.7251
Type of gen. func.: ogf

$$(748 f(x) - 170965) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) - 26 x + 31)$$

Sequence: A110831
Score: 6.95700
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 31,\ a(1) = 67,\ a(2) = 109\}$$

Sequence: A110832
Score: 7.94958
Type of gen. func.: lgdogf

$$\frac{2\,x\,(x^6 + 105\,x^4 + 280\,x^3 + 435\,x^2 + 168\,x + 35)}{x^8 + 140\,x^6 + 448\,x^5 + 870\,x^4 + 448\,x^3 + 140\,x^2 + 1}$$

Sequence: A110834
Score: 7.23491
Type of gen. func.: lgdogf

$$\frac{2\,x\,(x^6 + 465\,x^4 + 8680\,x^3 + 18259\,x^2 + 5208\,x + 155)}{(x^2 + 14\,x + 1)\,(x^6 - 14\,x^5 + 815\,x^4 + 2492\,x^3 + 815\,x^2 - 14\,x + 1)}$$

Sequence: A110847
Score: 2.87854
Type of gen. func.: ogf

$$\{(2\,n^2 - 59\,n + 435)\,a(n+1) + (-2\,n^2 - 7\,n - 6)\,a(n+2),\ a(0) = 1,$$
$$a(1) = 496\}$$

Sequence: A110851
Score: 5.44508
Type of gen. func.: ogf

$$\{(2\,n^2 - 123\,n + 1891)\,a(n+1) + (-2\,n^2 - 7\,n - 6)\,a(n+2),\ a(0) = 1,$$
$$a(1) = 2016\}$$

Sequence: A110886
Score: 3.31257
Type of gen. func.: ogf

$$\{(-4 n + 2) a(n) + (-n - 5) a(n + 1) + (6 n + 10) a(n + 2) + (-3 - n) a(n + 3),$$
$$a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 8\}$$

Sequence: A110886
Score: 7.36561
Type of gen. func.: ogf

$$f(x)^2 x - f(x)^2 - 3 f(x) x - x^2 + 3 f(x) + x - 2$$

Sequence: A110906
Score: 3.79866
Type of gen. func.: ogf

$$(194721 f(x) - 1631504)$$
$$(f(x) x^3 - 15 f(x) x^2 + 15 f(x) x + 121 x^2 - f(x) + 34 x + 1)$$

Sequence: A110906
Score: 4.12334
Type of gen. func.: ogf

$$\{a(n + 3) - 15 a(n + 2) + 15 a(n + 1) - a(n), a(0) = 1, a(1) = 49, a(2) = 841\}$$

Sequence: A110906
Score: 6.63860
Type of gen. func.: lgdogf

$$- \frac{121 x^4 + 68 x^3 - 2322 x^2 + 212 x + 49}{(x - 1) (121 x^2 + 34 x + 1) (x^2 - 14 x + 1)}$$

Sequence: A110906
Score: 7.30956
Type of gen. func.: ogf

$$-\frac{121 x^2 + 34 x + 1}{(x - 1) (x^2 - 14 x + 1)}$$

Sequence: A110907
Score: 11.1961
Type of gen. func.: lgdogf

$$-\frac{4 (3 x^4 + 19 x^3 + 28 x^2 + 19 x + 3)}{(x - 1) (1 + x) (x^2 + 6 x + 1) (x^2 + 4 x + 1)}$$

Sequence: A110907
Score: 5.70892
Type of gen. func.: ogf

$(64 f(x) - 5351)$

$$(f(x) x^4 - 2 f(x) x^3 + x^4 + 10 x^3 + 2 f(x) x + 26 x^2 - f(x) + 10 x + 1)$$

Sequence: A110907
Score: 9.56244
Type of gen. func.: ogf

$$-\frac{(x^2 + 6 x + 1) (x^2 + 4 x + 1)}{(1 + x) (x - 1)^3}$$

Sequence: A110935
Score: 7.86412
Type of gen. func.: ogf

$$-\frac{2 x (2 x^4 - x^3 - 3 x^2 + x + 2)}{(x^2 + x - 1) (1 + x)^2 (x - 1)^2}$$

Sequence: A110935
Score: 9.15528
Type of gen. func.: lgdogf

$$-\frac{4x^7 - x^6 - 10x^5 + 2x^4 + 12x^3 + 6x^2 - 6x - 3}{(x-1)(1+x)(x^2+x-1)(2x^4 - x^3 - 3x^2 + x + 2)}$$

Sequence: A110953
Score: 10.4518
Type of gen. func.: ogf

$$-\frac{2(1+4x)}{(2x+1)(4x-1)}$$

Sequence: A110953
Score: 11.1792
Type of gen. func.: lgdogf

$$-\frac{2(16x^2 + 8x + 3)}{(1+4x)(2x+1)(4x-1)}$$

Sequence: A110953
Score: 12.0618
Type of gen. func.: revogf

$$\frac{-1 - x + ((1+x)(9x+1))^{1/2}}{8(1+x)}$$

Sequence: A110953
Score: 5.16846
Type of gen. func.: ogf

$$-(43 f(x) + 76)(8 f(x) x^2 + 2 f(x) x - f(x) + 8x + 2)$$

Sequence: A110953
Score: 5.66663
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) - 8 a(n), a(0) = 2, a(1) = 12\}$$

Sequence: A111053
Score: 5.71235
Type of gen. func.: ogf

$$-f(x)^2 x^4 + 2 f(x)^2 x^3 - 5 f(x)^2 x^2 - 2 f(x) x^3 + f(x)^2 x - 2 f(x) x^2 + 5 f(x) x - x^2 - f(x) - 4 x + 1$$

Sequence: A111072
Score: 5.55297
Type of gen. func.: ogf

$$\frac{x (x^{12} + 3 x^{11} + 6 x^{10} + 5 x^8 + 5 x^6 + 5 x^4 + 6 x^2 + 3 x + 1)}{(x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^8 - x^6 + x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A111074
Score: 11.1664
Type of gen. func.: ogf

$$-\frac{x^3 - 3 x + 3}{(1 + x)^2 (x - 1)^3}$$

Sequence: A111074
Score: 18.8340
Type of gen. func.: lgdogf

$$-\frac{x (2 x^3 + x^2 - 9 x + 12)}{(x - 1) (1 + x) (x^3 - 3 x + 3)}$$

Sequence: A111074
Score: 4.40929
Type of gen. func.: ogf

$$\{(n + 6) a(n + 1) + (-n - 6) a(n + 2) + (-n - 4) a(n + 3) + (n + 4) a(n + 4),$$
$$a(0) = 3, a(1) = 0, a(2) = 6, a(3) = 1\}$$

Sequence: A111080
Score: 15.7533
Type of gen. func.: ogf

$$\frac{11}{(x - 1)^4}$$

Sequence: A111080
Score: 6.40379
Type of gen. func.: ogf

$$-(f(x) + 11) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + f(x) - 11)$$

Sequence: A111080
Score: 7.43080
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (5 + n) a(n + 1), a(0) = 11, a(1) = 44\}$$

Sequence: A111085
Score: 3.69692
Type of gen. func.: ogf

$$- \frac{x^8 + 5 x^7 + 67 x^6 + 130 x^5 + 242 x^4 + 130 x^3 + 67 x^2 + 5 x + 1}{(1 + x)^2 (x - 1)^9}$$

Sequence: A111093
Score: 5.62972
Type of gen. func.: ogf

```
      12      11      10      8      6      4      2
x (9 x   + 5 x   + 6 x   + 5 x  - 5 x  + 5 x  + 4 x  + 5 x + 1)
-----------------------------------------------------------------
  2        4    3    2            8    6    4    2             2
```

$$(x + 1) (x + x + x + x + 1) (x - x + x - x + 1) (x - 1)$$

Sequence: A111097
Score: 3.54088
Type of gen. func.: ogf

$$\frac{x^5 - 2 x^4 + x^3 - 2 x^2 - 1}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A111108
Score: 12.9609
Type of gen. func.: ogf

$$-\frac{x (3 x + 5)}{(2 x + 1) (x^2 + 2 x - 1)}$$

Sequence: A111108
Score: 13.2711
Type of gen. func.: lgdogf

$$-\frac{12 x^3 + 45 x^2 + 50 x + 3}{(3 x + 5) (2 x + 1) (x^2 + 2 x - 1)}$$

Sequence: A111108
Score: 7.30775
Type of gen. func.: ogf

$$-(3 f(x) + 25) (2 f(x) x^3 + 5 f(x) x^2 + 3 x^2 - f(x) + 5 x)$$

Sequence: A111108
Score: 7.38633
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 1) - 2 a(n), a(0) = 0, a(1) = 5, a(2) = 3\}$$

Sequence: A111109
Score: 6.44577
Type of gen. func.: ogf

$$-\frac{x\,(x^6+3x^5+2x^4-2x^3-4x^2+4x-1)}{(x-1)^2\,(x^2+2x-1)^2}$$

Sequence: A111109
Score: 7.76082
Type of gen. func.: lgdogf

$$-\frac{(1+x)\,(x^6+12x^5+3x^4-24x^3+22x^2-10x+2)}{(x-1)\,(x^2+2x-1)\,(x^6+3x^5+2x^4-2x^3-4x^2+4x-1)}$$

Sequence: A111110
Score: 7.48937
Type of gen. func.: lgdogf

$$-\frac{x^8-2x^7+6x^6-10x^5+31x^4-42x^3+28x^2-10x+2}{(x^4-x^3+4x^2-3x+1)\,(x^5-2x^4+8x^3-9x^2+5x-1)}$$

Sequence: A111110
Score: 8.21326
Type of gen. func.: ogf

$$-\frac{x\,(x^4-x^3+4x^2-3x+1)}{x^5-2x^4+8x^3-9x^2+5x-1}$$

Sequence: A111112
Score: 4.95598
Type of gen. func.: ogf

$$-\frac{480\,x^3\,(7x^4+32x^3+366x^2+584x+247)}{{}^{7}}$$

$$(1 + x) (x - 1)$$

Sequence: A111112
Score: 7.50561
Type of gen. func.: lgdogf

$$-\frac{2 (14 x^5 + 101 x^4 + 1208 x^3 + 3190 x^2 + 3106 x + 1033)}{(x - 1) (1 + x) (7 x^4 + 32 x^3 + 366 x^2 + 584 x + 247)}$$

Sequence: A111139
Score: 3.31514
Type of gen. func.: ogf

$\{(-n - 2) a(n + 1) + (-n - 2) a(n + 2) + (5 + n) a(n + 3) - a(n + 4), a(0) = 0,$

$a(1) = 1, a(2) = 3, a(3) = 11\}$

Sequence: A111144
Score: 10.5908
Type of gen. func.: ogf

$$\frac{x (26 x^2 - 60 x + 35)}{(x - 1)^4}$$

Sequence: A111144
Score: 18.8956
Type of gen. func.: lgdogf

$$-\frac{4 (13 x^2 - 32 x + 20)}{(x - 1) (26 x^2 - 60 x + 35)}$$

Sequence: A111144
Score: 3.83284
Type of gen. func.: ogf

$\{(105 + 35 n) a(n + 4) + (-270 - 95 n) a(n + 3) + (214 + 86 n) a(n + 2)$

$$+ (-52 - 26 n) a(n + 1), a(0) = 0, a(1) = 35, a(2) = 80, a(3) = 136\}$$

Sequence: A111144
Score: 5.33044
Type of gen. func.: ogf

$$-(21488 f(x) - 14178421)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 26 x^3 - 4 f(x) x + 60 x^2 + f(x) - 35 x)$$

Sequence: A111165
Score: 32.1709
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{1}{-x^2 - x - 1}$$

Sequence: A111216
Score: 14.1045
Type of gen. func.: ogf

$$-\frac{x - 1}{x^2 - 31 x + 1}$$

Sequence: A111216
Score: 14.8249
Type of gen. func.: revogf

$$-\frac{-1 - 31 x + (957 x^2 + 58 x + 1)^{1/2}}{2 (1 + x)}$$

Sequence: A111216
Score: 19.9210
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x + 30}{2}$$

$$(x - 1) (x - 31 x + 1)$$

Sequence: A111216
Score: 7.05224
Type of gen. func.: ogf

$$-(232 f(x) - 7) (f(x) x^{2} - 31 f(x) x + f(x) + x - 1)$$

Sequence: A111216
Score: 7.72387
Type of gen. func.: ogf

$$\{a(n + 2) - 31 a(n + 1) + a(n), a(0) = 1, a(1) = 30\}$$

Sequence: A111244
Score: 6.15210
Type of gen. func.: ogf

$$\frac{2 x^{10} - 5 x^{9} + 2 x^{8} + 2 x^{7} - 2 x^{6} + 3 x^{5} - 3 x^{4} + x^{3} - 2 x^{2} - x - 1}{(1 + x) (x^{2} + 1) (x - 1)^{3}}$$

Sequence: A111258
Score: 5.70323
Type of gen. func.: ogf

$$\frac{x (297 x^{5} + 7 x^{4} + 297 x^{3} - 1243 x^{2} - 21 x - 539)}{(x - 1) (x^{6} - 6 x^{3} + 1)}$$

Sequence: A111262
Score: 3.84882
Type of gen. func.: ogf

$$(167616 f(x) + 53527) (f(x) x^{4} - 10 f(x) x^{3} + 23 f(x) x^{2} + x^{3} - 10 f(x) x - 14 x^{2} + f(x) + 18 x - 3)$$

Sequence: A111262
Score: 6.32432
Type of gen. func.: lgdogf

$$-\frac{x^6 - 28 x^5 + 171 x^4 - 352 x^3 + 361 x^2 - 110 x + 12}{(x^2 - 7 x + 1) (x^2 - 3 x + 1) (x^3 - 14 x^2 + 18 x - 3)}$$

Sequence: A111262
Score: 7.08746
Type of gen. func.: ogf

$$-\frac{x^3 - 14 x^2 + 18 x - 3}{(x^2 - 7 x + 1) (x^2 - 3 x + 1)}$$

Sequence: A111277
Score: 10.5899
Type of gen. func.: ogf

$$-\frac{(2 x - 1)^2}{(-1 + 3 x) (x - 1)^2}$$

Sequence: A111277
Score: 12.6560
Type of gen. func.: lgdogf

$$-\frac{9 x^3 - 9 x^2 + 6 x - 2}{(x - 1) (-1 + 3 x) (3 x^2 - 3 x + 1)}$$

Sequence: A111277
Score: 5.61725
Type of gen. func.: ogf

$$-(f(x) - 1) (3 f(x) x^3 - 7 f(x) x^2 + 5 f(x) x + 4 x^2 - f(x) - 4 x + 1)$$

Sequence: A111277
Score: 5.76772
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 7 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A111279
Score: 10.2227
Type of gen. func.: revogf

$$-\frac{-1 - 5 x + 4 x^2 + ((5 x^2 - 2 x + 1) (2 x - 1)^2)^{1/2}}{2 (x + 2)^2}$$

Sequence: A111279
Score: 6.24048
Type of gen. func.: ogf

$$-f(x)^2 x^2 - 4 f(x)^2 x - 2 f(x) x^2 + f(x)^2 + 13 f(x) x - x^2 - 3 f(x) - 8 x + 2$$

Sequence: A111280
Score: 6.16446
Type of gen. func.: lgdogf

$$-\frac{29 x^8 - 4 x^7 + 116 x^6 - 124 x^5 + 357 x^4 - 116 x^3 - 10 x^2 + 4 x - 2}{(x^5 - 4 x^3 + 2 x^2 - 4 x + 1) (29 x^4 - 2 x^3 - 2 x + 1)}$$

Sequence: A111280
Score: 8.54241
Type of gen. func.: ogf

$$\frac{29 x^4 - 2 x^3 - 2 x + 1}{x^5 - 4 x^3 + 2 x^2 - 4 x + 1}$$

Sequence: A111281
Score: 10.8706
Type of gen. func.: ogf

$$-\frac{2 x^2 - x + 1}{2 x^3 - 2 x^2 + 3 x - 1}$$

Sequence: A111281
Score: 12.0329
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^4 - 2 x^3 + x^2 + 1)}{(2 x^2 - x + 1) (2 x^3 - 2 x^2 + 3 x - 1)}$$

Sequence: A111281
Score: 5.92061
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 2 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 2, a(2) = 6}

Sequence: A111281
Score: 6.77839
Type of gen. func.: ogf

$$-(5 f(x) - 4) (2 f(x) x^3 - 2 f(x) x^2 + 3 f(x) x + x^2 - f(x) - 2 x + 1)$$

Sequence: A111282
Score: 12.7001
Type of gen. func.: ogf

$$\frac{x^2 - x + 1}{x^2 - 3 x + 1}$$

Sequence: A111282
Score: 18.3271

Type of gen. func.: lgdogf

$$-\frac{2(x-1)(1+x)}{(x^{2}-3x+1)(x^{2}-x+1)}$$

Sequence: A111282
Score: 6.59906
Type of gen. func.: ogf

$$\{-a(n+3)+3a(n+2)-a(n+1),\ a(0)=1,\ a(1)=2,\ a(2)=6\}$$

Sequence: A111282
Score: 9.48036
Type of gen. func.: ogf

$$-f(x)x^{2}+3f(x)x+x^{2}-f(x)-x+1$$

Sequence: A111283
Score: 5.15152
Type of gen. func.: ogf

$$-(69f(x)-8)(f(x)x^{4}+3f(x)x^{2}+x^{3}-5f(x)x+x^{2}+f(x)+3x-1)$$

Sequence: A111283
Score: 8.34768
Type of gen. func.: lgdogf

$$-\frac{x^{6}+2x^{5}+6x^{4}+6x^{3}+11x^{2}-8x+2}{(x-1)(x^{3}+x^{2}+3x-1)(x^{3}+x^{2}+4x-1)}$$

Sequence: A111283
Score: 9.25780
Type of gen. func.: ogf

$$-\frac{x^{3}+x^{2}+3x-1}{{}^{3}\quad{}^{2}}$$

$$(x - 1) (x + x + 4 x - 1)$$

Sequence: A111284
Score: 12.7803
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x + 3 x^2 - f(x) + 1$$

Sequence: A111284
Score: 17.4752
Type of gen. func.: ogf

$$\frac{3 x^2 + 1}{(x - 1)^2}$$

Sequence: A111284
Score: 8.39493
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A111285
Score: 10.8425
Type of gen. func.: ogf

$$-\frac{(x - 1)^2}{2 x^3 - 3 x^2 + 4 x - 1}$$

Sequence: A111285
Score: 14.4080
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - 3 x^2 + x - 1)}{(x - 1) (2 x^3 - 3 x^2 + 4 x - 1)}$$

Sequence: A111285
Score: 5.90530
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A111285
Score: 5.9585
Type of gen. func.: ogf

$$(2 f(x) - 1) (2 f(x) x^3 - 3 f(x) x^2 + 4 f(x) x + x^2 - f(x) - 2 x + 1)$$

Sequence: A111286
Score: 17.4132
Type of gen. func.: ogf

$$-\frac{2 x^2 + 1}{2 x - 1}$$

Sequence: A111286
Score: 20.5906
Type of gen. func.: lgdogf

$$\frac{2 (2 x^2 - 2 x - 1)}{(2 x - 1) (2 x^2 + 1)}$$

Sequence: A111286
Score: 8.49931
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A111286
Score: 9.51922
Type of gen. func.: ogf

$$-(f(x) - 1) (2 f(x) x + 2 x^2 - f(x) + 1)$$

Sequence: A111297
Score: 11.4842
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 + 2 x - 1}{(2 x - 1)^2}$$

Sequence: A111297
Score: 15.9720
Type of gen. func.: lgdogf

$$\frac{2 x^3 - 3 x^2 - 2 x + 2}{(2 x - 1) (x^3 - x^2 + 2 x - 1)}$$

Sequence: A111297
Score: 6.09160
Type of gen. func.: ogf

$$\{a(n + 4) - 4 a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 11\}$$

Sequence: A111297
Score: 6.86797
Type of gen. func.: ogf

$$(5 f(x) + 28) (4 f(x) x^2 + x^3 - 4 f(x) x - x^2 + f(x) + 2 x - 1)$$

Sequence: A111314
Score: 14.3074
Type of gen. func.: ogf

$$\frac{2 x^2 - x + 1}{(x - 1) (x^2 + x - 1)}$$

Sequence: A111314
Score: 8.06694
Type of gen. func.: ogf

$$(5 f(x) + 19) (f(x) x^3 - 2 f(x) x - 2 x^2 + f(x) + x - 1)$$

Sequence: A111314
Score: 8.06695
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n), a(0) = 1, a(1) = 1, a(2) = 4\}$$

Sequence: A111317
Score: 28.2841
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{1}{-x^2 - x - 1}$$

Sequence: A111330
Score: 32.5436
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{1}{x^2 + 1}$$

Sequence: A111335
Score: 32.2557
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{1}{-x^2 - 1}$$

Sequence: A111352
Score: 11.1185

Type of gen. func.: ogf

$$\frac{2 x - 1}{(1 + x) (x^2 + 2 x - 1)}$$

Sequence: A111352
Score: 12.6640
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 3 x^2 - 6 x + 1}{(2 x - 1) (1 + x) (x^2 + 2 x - 1)}$$

Sequence: A111352
Score: 5.26141
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 3 a(n + 1) - a(n), a(0) = 1, a(1) = -1, a(2) = 2\}$$

Sequence: A111352
Score: 5.61216
Type of gen. func.: ogf

$$(31 f(x) + 25) (f(x) x^3 + 3 f(x) x^2 + f(x) x - f(x) - 2 x + 1)$$

Sequence: A111365
Score: 13.5319
Type of gen. func.: ogf

$$\frac{4 x - 1}{3 x^2 + 5 x - 1}$$

Sequence: A111365
Score: 14.2041
Type of gen. func.: revogf

$$-5 x - 1 + (37 x^2 - 6 x + 1)^{1/2}$$

```
                    ------------------------------
                             2 (-4 + 3 x)
```

Sequence: A111365
Score: 15.2967
Type of gen. func.: lgdogf

$$-\frac{12 x^2 - 6 x - 1}{(4 x - 1) (3 x^2 + 5 x - 1)}$$

Sequence: A111365
Score: 6.99926
Type of gen. func.: ogf

$$(67 f(x) - 66) (3 f(x) x^2 + 5 f(x) x - f(x) - 4 x + 1)$$

Sequence: A111365
Score: 7.42604
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A111374
Score: 18.9888
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^2 + 1}{-x^4 - 1}$$

Sequence: A111375
Score: 9.44154
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^4 + 2 x^3 + x^2 + 2 x + 1}{x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}$$

Sequence: A111376
Score: 9.36915
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{4}-2 x^{3}-x^{2}-2 x-1}{x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1}$$

Sequence: A111384
Score: 22.9185
Type of gen. func.: lgdogf

$$-\frac{2 (5 x^{2}+5 x+2)}{(x-1) (2 x+1) (1+x)}$$

Sequence: A111384
Score: 4.63105
Type of gen. func.: ogf

$$\{(n^{2}+3 n) a(n+1)+(-2+2 n) a(n+2)+(-n^{2}+n) a(n+3), a(0)=0,$$

$$a(1)=0, a(2)=0, a(3)=1, a(4)=4\}$$

Sequence: A111384
Score: 9.75245
Type of gen. func.: ogf

$$\frac{x^{3} (2 x+1)}{(1+x)^{2} (x-1)^{4}}$$

Sequence: A111385
Score: 16.7804
Type of gen. func.: lgdogf

$$-\frac{18 x^{3}+27 x^{2}+20 x+5}{{}^{2}}$$

$$(x - 1) (1 + x) (3 x \; + 3 x + 1)$$

Sequence: A111385
Score: 8.14098
Type of gen. func.: ogf

$$-\frac{x^4 (3 x^2 + 3 x + 1)}{(1 + x)^3 (x - 1)^5}$$

Sequence: A111386
Score: 10.807
Type of gen. func.: ogf

$$(10 f(x) - 1) (5 f(x) x^2 - f(x) + 3 x + 1)$$

Sequence: A111386
Score: 11.4824
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A111386
Score: 17.5887
Type of gen. func.: revogf

$$\frac{-1 + ((2 x + 1) (10 x + 1))^{1/2}}{2 (3 + 5 x)}$$

Sequence: A111386
Score: 17.9238
Type of gen. func.: ogf

$$-\frac{3 x + 1}{5 x^2 - 1}$$

Sequence: A111386
Score: 21.2099
Type of gen. func.: lgdogf

$$-\frac{15 x^2 + 10 x + 3}{(3 x + 1) (5 x^2 - 1)}$$

Sequence: A111394
Score: 26.4986
Type of gen. func.: revegf]

$$\frac{x (2 x^2 + 6 x + 3)}{3 (1 + x)^3}$$

Sequence: A111394
Score: 6.27277
Type of gen. func.: egf]

$$-81 f(x)^3 x^4 + 108 f(x)^3 x^3 - 48 x f(x)^3 + 16 f(x)^3 - 18 f(x) x - 15 f(x) - 1$$

Sequence: A111396
Score: 11.0139
Type of gen. func.: ogf

$$\frac{x (7 x^2 - 18 x + 12)}{(x - 1)^4}$$

Sequence: A111396
Score: 20.3656
Type of gen. func.: lgdogf

$$-\frac{2 (7 x^2 - 20 x + 15)}{(x - 1) (7 x^2 - 18 x + 12)}$$

```
------------------------------------------------------------------------------

Sequence:  A111396
Score: 4.02949
Type of gen. func.: ogf


{(36 + 12 n) a(n + 4) + (-30 n - 90) a(n + 3) + (65 + 25 n) a(n + 2)

     + (-14 - 7 n) a(n + 1), a(0) = 0, a(1) = 12, a(2) = 30, a(3) = 55}



------------------------------------------------------------------------------

Sequence:  A111396
Score: 5.73643
Type of gen. func.: ogf


-(101 f(x) - 6357)

           4           3           2      3                  2
    (f(x) x  - 4 f(x) x  + 6 f(x) x  - 7 x  - 4 f(x) x + 18 x  + f(x) - 12 x)



------------------------------------------------------------------------------

Sequence:  A111400
Score: 4.64810
Type of gen. func.: ogf


                     6      5        4       3       2
                 x (x  - 8 x  + 110 x  + 90 x  + 80 x  + 4 x + 3)
               - ------------------------------------------------
                                                   9
                                     (x - 1)



------------------------------------------------------------------------------

Sequence:  A111400
Score: 7.65697
Type of gen. func.: lgdogf


                  6       5        4        3        2
               3 x  - 26 x  + 510 x  + 980 x  + 830 x  + 192 x + 31
            - -------------------------------------------------------
                        6      5        4       3       2
              (x - 1) (x  - 8 x  + 110 x  + 90 x  + 80 x  + 4 x + 3)



------------------------------------------------------------------------------

Sequence:  A111424
Score: 4.38230
Type of gen. func.: ogf


{(-4 n - 14) a(n + 1) + (4 n + 15) a(n + 2) - a(n + 3), a(0) = 2, a(1) = 14,

    a(2) = 134}



------------------------------------------------------------------------------
```

Sequence: A111453
Score: 6.55548
Type of gen. func.: ogf

$$(3 x^{11} + 4 x^{10} - 6 x^9 + 4 x^8 + 4 x^7 - 9 x^6 + 4 x^5 + 4 x^4 - 6 x^3 + 4 x^2 + 4 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A111466
Score: 11.7248
Type of gen. func.: ogf

$$- \frac{x^3 + 2 x^2 + 1}{(x^2 + x - 1) (x^4 - x^3 + 2 x^2 + x + 1)}$$

Sequence: A111466
Score: 9.58023
Type of gen. func.: lgdogf

$$- \frac{x (3 x^7 + 8 x^6 + 6 x^4 + 8 x^3 + 15 x + 4)}{(x^2 + x - 1) (x^3 + 2 x^2 + 1) (x^4 - x^3 + 2 x^2 + x + 1)}$$

Sequence: A111500
Score: 12.9747
Type of gen. func.: lgdogf

$$- \frac{2 (x^4 + 6 x^3 + 20 x^2 + 16 x + 5)}{(x - 1) (1 + x) (x^3 + 3 x^2 + 7 x + 1)}$$

Sequence: A111500
Score: 9.67396
Type of gen. func.: ogf

$$\frac{x^3 + 3 x^2 + 7 x + 1}{{}^{4}}$$

$$(1 + x) (x - 1)$$

Sequence: A111566
Score: 13.6303
Type of gen. func.: ogf

$$\frac{2 x + 1}{2 x^2 - 4 x + 1}$$

Sequence: A111566
Score: 15.0163
Type of gen. func.: revogf

$$- \frac{-1 - 4 x + (8 x^2 + 16 x + 1)^{1/2}}{4 (x - 1)}$$

Sequence: A111566
Score: 15.4013
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^2 + 2 x - 3)}{(2 x + 1) (2 x^2 - 4 x + 1)}$$

Sequence: A111566
Score: 7.21605
Type of gen. func.: ogf

$$(5 f(x) + 4) (2 f(x) x^2 - 4 f(x) x + f(x) - 2 x - 1)$$

Sequence: A111566
Score: 7.48005
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A111567
Score: 13.4184
Type of gen. func.: ogf

$$\frac{1 + x}{2 x^2 - 4 x + 1}$$

Sequence: A111567
Score: 13.7469
Type of gen. func.: revogf

$$-\frac{-1 - 4 x + (8 x^2 + 12 x + 1)^{1/2}}{2 (2 x - 1)}$$

Sequence: A111567
Score: 16.8891
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 4 x - 5}{(1 + x) (2 x^2 - 4 x + 1)}$$

Sequence: A111567
Score: 7.02128
Type of gen. func.: ogf

$$(16 f(x) + 9) (2 f(x) x^2 - 4 f(x) x + f(x) - x - 1)$$

Sequence: A111567
Score: 7.36378
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A111569
Score: 12.6390
Type of gen. func.: ogf

$$-\frac{x^2 + 2 x - 1}{(x^2 + 1) (x^2 + x - 1)}$$

Sequence: A111569
Score: 6.82279
Type of gen. func.: ogf

$$(23 f(x) + 19) (f(x) x^4 + f(x) x^3 + f(x) x + x^2 - f(x) + 2 x - 1)$$

Sequence: A111570
Score: 5.40413
Type of gen. func.: ogf

$$(1117 f(x) + 2843) (f(x) x^4 + f(x) x^3 + x^3 + f(x) x - x^2 - f(x) + 3 x + 2)$$

Sequence: A111570
Score: 9.18465
Type of gen. func.: lgdogf

$$-\frac{x^6 - 2 x^5 + 8 x^4 + 12 x^3 + 10 x^2 - 2 x + 5}{(x^2 + 1) (x^2 + x - 1) (x^3 - x^2 + 3 x + 2)}$$

Sequence: A111570
Score: 9.79009
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 + 3 x + 2}{(x^2 + 1) (x^2 + x - 1)}$$

Sequence: A111571
Score: 12.1668
Type of gen. func.: ogf

2

$$\frac{3x - 1}{(x^2 + 1)(x^2 + x - 1)}$$

Sequence: A111571
Score: 13.1491
Type of gen. func.: lgdogf

$$-\frac{6x^5 + 3x^4 - 4x^3 - 6x^2 + 6x - 1}{(x^2 + 1)(3x^2 - 1)(x^2 + x - 1)}$$

Sequence: A111571
Score: 6.24783
Type of gen. func.: ogf

$$-(f(x) + 4)(f(x)x^4 + f(x)x^3 + f(x)x - 3x^2 - f(x) + 1)$$

Sequence: A111572
Score: 12.3923
Type of gen. func.: lgdogf

$$-\frac{2x^5 - 11x^4 - 4x^3 + 2x^2 + 2x - 3}{(x^2 + 1)(x^2 - 4x + 1)(x^2 + x - 1)}$$

Sequence: A111572
Score: 13.1832
Type of gen. func.: ogf

$$\frac{x^2 - 4x + 1}{(x^2 + 1)(x^2 + x - 1)}$$

Sequence: A111572
Score: 6.99283
Type of gen. func.: ogf

$$(103 f(x) + 288) (f(x) x^4 + f(x) x^3 + f(x) x - x^2 - f(x) + 4 x - 1)$$

Sequence: A111573
Score: 12.8273
Type of gen. func.: ogf

$$- \frac{x (2 x + 1)}{(x^2 + 1) (x^2 + x - 1)}$$

Sequence: A111573
Score: 15.0051
Type of gen. func.: lgdogf

$$- \frac{6 x^4 + 8 x^3 + 3 x^2 + 3}{(2 x + 1) (x^2 + 1) (x^2 + x - 1)}$$

Sequence: A111573
Score: 6.58698
Type of gen. func.: ogf

$$(670 f(x) - 781) (f(x) x^4 + f(x) x^3 + f(x) x + 2 x^2 - f(x) + x)$$

Sequence: A111574
Score: 12.9413
Type of gen. func.: ogf

$$- \frac{3 x^2 - 2 x + 1}{(x^2 + 1) (x^2 + x - 1)}$$

Sequence: A111574
Score: 14.6859
Type of gen. func.: lgdogf

$$- \frac{6 x^5 - 3 x^4 + 6 x - 1}{}$$

$$(x^2 + 1) (3 x^2 - 2 x + 1) (x^2 + x - 1)$$

Sequence: A111574
Score: 6.69
Type of gen. func.: ogf

$$-(73 f(x) - 214) (f(x) x^4 + f(x) x^3 + f(x) x + 3 x^2 - f(x) - 2 x + 1)$$

Sequence: A111575
Score: 10.1483
Type of gen. func.: ogf

$$-f(x) (3 f(x) x^4 + x^3 + x^2 - f(x) + x + 1)$$

Sequence: A111575
Score: 12.2836
Type of gen. func.: lgdogf

$$- \frac{3 x^6 + 6 x^5 + 9 x^4 + 12 x^3 + 3 x^2 + 2 x + 1}{(1 + x) (x^2 + 1) (3 x^4 - 1)}$$

Sequence: A111575
Score: 14.0652
Type of gen. func.: ogf

$$- \frac{(1 + x) (x^2 + 1)}{3 x^4 - 1}$$

Sequence: A111575
Score: 9.11040
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1\}$$

Sequence: A111580
Score: 8.97494
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4 x^{9} - 2 x^{8} - 3 x^{7} - 2 x^{6} - 3 x^{5} - 3 x^{3} - 2 x^{2} - 3 x - 2}{x^{10} - 1}$$

Sequence: A111586
Score: 6.87930
Type of gen. func.: ogf

$$\frac{x (x^{9} + x^{7} - x^{6} - 3 x^{5} - 3 x^{4} - 2 x^{3} - x^{2} - x - 1)}{(1 + x) (x^{3} + 2 x - 1)}$$

Sequence: A111587
Score: 11.3715
Type of gen. func.: ogf

$$-\frac{(1 + x)^{2}}{(x^{2} + 1) (x^{2} + 2 x - 1)}$$

Sequence: A111587
Score: 13.6039
Type of gen. func.: lgdogf

$$-\frac{2 (x^{4} + 3 x^{3} + 3 x^{2} - x + 2)}{(1 + x) (x^{2} + 1) (x^{2} + 2 x - 1)}$$

Sequence: A111587
Score: 5.8785
Type of gen. func.: ogf

$$-(697 f(x) - 44) (f(x) x^{4} + 2 f(x) x^{3} + 2 f(x) x + x^{2} - f(x) + 2 x + 1)$$

Sequence: A111597
Score: 4.99066
Type of gen. func.: ogf

$$\{(-n^{2} - 17 n - 72) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 56\}$$

Sequence: A111598
Score: 4.49772
Type of gen. func.: ogf

$$\{(-n^{2} - 19 n - 90) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 72\}$$

Sequence: A111599
Score: 4.62236
Type of gen. func.: ogf

$$\{(-n^{2} - 21 n - 110) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 90\}$$

Sequence: A111600
Score: 4.74487
Type of gen. func.: ogf

$$\{(-n^{2} - 23 n - 132) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 110\}$$

Sequence: A111601
Score: 13.7661
Type of gen. func.: lgdegf]

$$- \frac{2 x^{3} + 4 x^{2} + 7 x + 2}{(x - 1) (1 + x) (x^{2} + x + 1)}$$

Sequence: A111601
Score: 3.49207
Type of gen. func.: ogf

3   2

```
{(n  + 10 n  + 33 n + 36) a(n + 1) + (n + 4) a(n + 2) + (-3 - n) a(n + 3),

    a(0) = 1, a(1) = 2, a(2) = 9}



------------------------------------------------------------------------------

Sequence:  A111602
Score: 3.09320
Type of gen. func.: ogf


    3       2
{(-n  - 13 n  - 56 n - 80) a(n + 1) + (-10 - 2 n) a(n + 2) + (n + 3) a(n + 3),

    a(0) = 1, a(1) = 6, a(2) = 42}



------------------------------------------------------------------------------

Sequence:  A111602
Score: 6.71917
Type of gen. func.: lgdegf]


                         5       4       3       2
                   3 (2 x  + 12 x  + 33 x  + 34 x  + 20 x + 4)
               - -----------------------------------------------
                                     4      3       2
                 (x - 1) (1 + x) (2 x  + 8 x  + 15 x  + 8 x + 2)



------------------------------------------------------------------------------

Sequence:  A111607
Score: 5.81096
Type of gen. func.: ogf


  14    13      12      11      10      9      8      7      6      5      4
(x   + x   + 3 x   + 3 x   + 5 x   + 6 x  + 7 x  + 2 x  + 7 x  + 3 x  + 5 x

          3      2                /         2        2   2     2   4     2
     + 3 x  + 3 x  + 2 x + 1)  /  ((x - 1)  (1 + x)  (x  + 1)  (x  + 1) )
                              /



------------------------------------------------------------------------------

Sequence:  A111639
Score: 4.82831
Type of gen. func.: ogf


-(3273 f(x) - 523)

           4           3           2      3                  2
    (f(x) x  + 2 f(x) x  - 8 f(x) x  + 2 x  - 6 f(x) x + 3 x  - f(x) - 8 x - 3)



------------------------------------------------------------------------------

Sequence:  A111639
Score: 8.84222
Type of gen. func.: lgdogf
```

$$-\frac{2\,(x^6+3\,x^5-x^4-10\,x^3+35\,x^2+27\,x+5)}{(x^2+4\,x+1)\,(x^2-2\,x-1)\,(2\,x^3+3\,x^2-8\,x-3)}$$

Sequence: A111639
Score: 9.15500
Type of gen. func.: ogf

$$-\frac{2\,x^3+3\,x^2-8\,x-3}{(x^2+4\,x+1)\,(x^2-2\,x-1)}$$

Sequence: A111640
Score: 10.9629
Type of gen. func.: lgdogf

$$-\frac{(x-1)\,(x^5-x^4-4\,x^3+27\,x+9)}{(x^2-2\,x-1)\,(x^3-x^2-3\,x+1)\,(x^2+4\,x+1)}$$

Sequence: A111640
Score: 4.93706
Type of gen. func.: ogf

$-(15748\,f(x)+1505)$

$$(f(x)\,x^4+2\,f(x)\,x^3-8\,f(x)\,x^2+x^3-6\,f(x)\,x-x^2-f(x)-3\,x+1)$$

Sequence: A111640
Score: 9.48943
Type of gen. func.: ogf

$$-\frac{x^3-x^2-3\,x+1}{(x^2+4\,x+1)\,(x^2-2\,x-1)}$$

Sequence: A111641

Score: 4.87241
Type of gen. func.: ogf

$-(3188 f(x) - 227)$

$$(f(x) x^4 + 2 f(x) x^3 - 8 f(x) x^2 + x^3 - 6 f(x) x + 3 x^2 - f(x) + x + 1)$$

Sequence: A111641
Score: 9.10029
Type of gen. func.: lgdogf

$$-\frac{x^6 + 6 x^5 + 17 x^4 + 20 x^3 + 19 x^2 - 10 x - 5}{(x^2 + 4 x + 1) (x^2 - 2 x - 1) (x^3 + 3 x^2 + x + 1)}$$

Sequence: A111641
Score: 9.23860
Type of gen. func.: ogf

$$-\frac{x^3 + 3 x^2 + x + 1}{(x^2 + 4 x + 1) (x^2 - 2 x - 1)}$$

Sequence: A111642
Score: 11.3404
Type of gen. func.: ogf

$$\frac{2 (x - 1) (1 + x)}{(x^2 + 4 x + 1) (x^2 - 2 x - 1)}$$

Sequence: A111642
Score: 12.7146
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 + x^4 - 2 x^3 + 9 x + 3)}{(x - 1) (1 + x) (x^2 + 4 x + 1) (x^2 - 2 x - 1)}$$

Sequence: A111642
Score: 5.67017
Type of gen. func.: ogf

$$(2751 f(x) + 572) (f(x) x^4 + 2 f(x) x^3 - 8 f(x) x^2 - 6 f(x) x - 2 x^2 - f(x) + 2)$$

Sequence: A111643
Score: 10.4497
Type of gen. func.: ogf

$$\frac{2 (1 + x)^2}{(x^2 + 4 x + 1) (x^2 - 2 x - 1)}$$

Sequence: A111643
Score: 5.26298
Type of gen. func.: ogf

$$-(1057 f(x) + 92) (f(x) x^4 + 2 f(x) x^3 - 8 f(x) x^2 - 6 f(x) x - 2 x^2 - f(x) - 4 x - 2)$$

Sequence: A111644
Score: 11.0928
Type of gen. func.: ogf

$$- \frac{x^2 + 1}{(x^2 + 4 x + 1) (x^2 - 2 x - 1)}$$

Sequence: A111644
Score: 5.38081
Type of gen. func.: ogf

$$-(3866 f(x) - 511) (f(x) x^4 + 2 f(x) x^3 - 8 f(x) x^2 - 6 f(x) x + x^2 - f(x) + 1)$$

Sequence: A111645
Score: 10.4497
Type of gen. func.: ogf

$$-\frac{(1 + x) (-1 + 3 x)}{(x^2 + 4 x + 1) (x^2 - 2 x - 1)}$$

Sequence: A111645
Score: 5.22484
Type of gen. func.: ogf

$(301941 f(x) - 73042)$

$$(f(x) x^4 + 2 f(x) x^3 - 8 f(x) x^2 - 6 f(x) x + 3 x^2 - f(x) + 2 x - 1)$$

Sequence: A111647
Score: 4.91203
Type of gen. func.: ogf

$$\frac{3 x^3 - 17 x^2 - 99 x + 1}{(x^2 - 6 x + 1) (x^2 - 198 x + 1)}$$

Sequence: A111648
Score: 3.48438
Type of gen. func.: ogf

$(32482890 f(x) - 8892713)$

$$(f(x) x^3 - 35 f(x) x^2 + 35 f(x) x + 11 x^2 - f(x) - 22 x + 3)$$

Sequence: A111648
Score: 3.77967
Type of gen. func.: ogf

$\{-a(n + 3) + 35 a(n + 2) - 35 a(n + 1) + a(n), a(0) = 3, a(1) = 83, a(2) = 2811$

$\}$

Sequence: A111648

Score: 6.40360
Type of gen. func.: lgdogf

$$-\frac{11 x^4 - 44 x^3 + 394 x^2 - 188 x + 83}{(x - 1) (11 x^2 - 22 x + 3) (x^2 - 34 x + 1)}$$

Sequence: A111648
Score: 6.86155
Type of gen. func.: ogf

$$-\frac{11 x^2 - 22 x + 3}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A111649
Score: 5.07096
Type of gen. func.: ogf

$$-\frac{20 x^6 - 700 x^5 + 700 x^4 - 20 x^3 - x^2 - 34 x + 3}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A111650
Score: 24.5042
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x + 2}{-x - 1}$$

Sequence: A111651
Score: 18.6652
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^3 - x^2 - 1}{x^3 + 1}$$

Sequence: A111652
Score: 24.1131
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x + 2}{-x - 1}$$

Sequence: A111660
Score: 4.61797
Type of gen. func.: ogf

$$-x^{2} \left(x^{29} - x^{28} + x^{27} - x^{26} - x^{24} - x^{22} - x^{20} - x^{18} - x^{16} - x^{14} - x^{12} - x^{10} - x^{8} - x^{6} - x^{4} - x^{2} - 1\right) \Big/ \left((x^{2} + x + 1)(x^{6} + x^{3} + 1)(x^{18} + x^{9} + 1)(x - 1)^{2}\right)$$

Sequence: A111661
Score: 12.5828
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{6 x^{5} + 4 x^{4} + 5 x^{3} + 5 x + 4}{-x^{6} + 1}$$

Sequence: A111662
Score: 7.57239
Type of gen. func.: ogf

$$-\frac{x^{2} (x - 1)(x^{2} + x + 1)(x^{6} + x^{3} + 1)}{(2 x - 1)(2 x^{9} - x^{6} + x^{3} - 1)}$$

Sequence: A111663
Score: 6.57183
Type of gen. func.: ogf

$$-\frac{x^{9} + x^{6} + x^{3} - 1}{}$$

$$(2x-1)(x-1)(x^2+x+1)(x^2+1)(x^4-x^2+1)$$

Sequence: A111665
Score: 6.34675
Type of gen. func.: lgdogf

$$-\frac{2(5x^9-3x^8-5x^7-5x^6-2x^5-12x^4-x^3+x^2+3x-1)}{(x-1)(1+x)(x^2+1)(5x^4+3x^3+2x^2+x-1)(x^2-3x+1)}$$

Sequence: A111665
Score: 7.79110
Type of gen. func.: ogf

$$\frac{5x^4+3x^3+2x^2+x-1}{(x-1)(1+x)(x^2+1)(x^2-3x+1)}$$

Sequence: A111666
Score: 6.63458
Type of gen. func.: ogf

$$-\frac{5x^5-3x^4-4x^3-3x^2-3x+2}{(x-1)(1+x)(x^2+1)(x^2-3x+1)}$$

Sequence: A111694
Score: 10.4794
Type of gen. func.: ogf

$$\frac{x(x-2)(x-4)}{(x-1)^4}$$

Sequence: A111694
Score: 22.8441
Type of gen. func.: lgdogf

$$-\frac{2\,(x^2-8\,x+13)}{(x-1)\,(x-2)\,(x-4)}$$

Sequence: A111694
Score: 3.80595
Type of gen. func.: ogf

$$\{(-24-8\,n)\,a(n+4)+(54+14\,n)\,a(n+3)+(-23-7\,n)\,a(n+2)+(n+2)\,a(n+1),\ a(0)=0,\ a(1)=8,\ a(2)=26,\ a(3)=57\}$$

Sequence: A111694
Score: 5.2397
Type of gen. func.: ogf

$$-(25488\,f(x)+311021)\,(f(x)\,x^4-4\,f(x)\,x^3+6\,f(x)\,x^2-x^3-4\,f(x)\,x+6\,x^2+f(x)-8\,x)$$

Sequence: A111698
Score: 5.83182
Type of gen. func.: ogf

$$(x^{16}-x^{15}+x^{13}-x^{12}+2\,x^{10}-2\,x^9+2\,x^7-2\,x^6+x^5+x^4-8\,x^3+4\,x^2+4\,x+1)\Big/\left((x^2+x+1)\,(x-1)^2\right)$$

Sequence: A111706
Score: 7.29698
Type of gen. func.: ogf

$$\frac{11\,x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1}{(1+x)\,(x^4+x^3+x^2+x+1)\,(x^4-x^3+x^2-x+1)\,(x-1)^2}$$

Sequence: A111708
Score: 12.8837
Type of gen. func.: ogf

$$-\frac{9\,(100\,x^{11} - 110\,x^{10} - 1)}{(x - 1)^2}$$

Sequence: A111708
Score: 13.4976
Type of gen. func.: lgdogf

$$\frac{2\,(450\,x^{11} - 990\,x^{10} + 550\,x^{9} + 1)}{(x - 1)\,(100\,x^{11} - 110\,x^{10} - 1)}$$

Sequence: A111709
Score: 8.89178
Type of gen. func.: ogf

$$\frac{(x^8 - x^7 + x^5 - x + 1)\,(x^4 + 1)}{(1 + x)\,(x^2 + 1)\,(x^2 + x + 1)\,(x^2 - x + 1)\,(x^4 - x^2 + 1)\,(x - 1)^2}$$

Sequence: A111710
Score: 10.7248
Type of gen. func.: ogf

$$-\frac{x^2 + 3\,x + 1}{(1 + x)^2\,(x - 1)^3}$$

Sequence: A111710
Score: 17.6088
Type of gen. func.: lgdogf

$$-\frac{3\,x^3 + 13\,x^2 + 10\,x + 4}{(x - 1)\,(1 + x)\,(x^2 + 3\,x + 1)}$$

Sequence: A111711
Score: 13.3684
Type of gen. func.: lgdogf

$$-\frac{x^5 + 3 x^4 + 8 x^3 + 8 x^2 + 8 x + 2}{(x - 1) (1 + x) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A111711
Score: 28.0651
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^4 + 2 x + 2]$$

Sequence: A111711
Score: 8.79470
Type of gen. func.: ogf

$$-\frac{x^4 + x^3 + x^2 + x + 1}{(1 + x)^2 (x - 1)^3}$$

Sequence: A111712
Score: 16.1211
Type of gen. func.: lgdogf

$$-\frac{(x^2 + x + 1) (x^3 + 6 x + 3)}{(x - 1) (1 + x) (x^4 + x^2 + 2 x + 1)}$$

Sequence: A111712
Score: 9.66892
Type of gen. func.: ogf

$$-\frac{x^4 + x^2 + 2 x + 1}{(1 + x)^2 (x - 1)^3}$$

Sequence: A111721
Score: 14.1988
Type of gen. func.: ogf

$$\frac{5 x^2 - x + 1}{(x - 1) (x^2 + x - 1)}$$

Sequence: A111721
Score: 7.83895
Type of gen. func.: ogf

$$(11 f(x) + 181) (f(x) x^3 - 2 f(x) x - 5 x^2 + f(x) + x - 1)$$

Sequence: A111721
Score: 8.00573
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) + a(n), a(0) = 1, a(1) = 1, a(2) = 7}

Sequence: A111733
Score: 13.2024
Type of gen. func.: lgdogf

$$- \frac{7 x^4 - 2 x^3 + 17 x^2 - 14 x - 1}{(x - 1) (7 x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A111733
Score: 14.4693
Type of gen. func.: ogf

$$\frac{7 x^2 - x + 1}{(x - 1) (x^2 + x - 1)}$$

Sequence: A111733
Score: 7.98826

Type of gen. func.: ogf

$$(15 f(x) + 449) (f(x) x^3 - 2 f(x) x - 7 x^2 + f(x) + x - 1)$$

Sequence: A111733
Score: 8.15822
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n), a(0) = 1, a(1) = 1, a(2) = 9\}$$

Sequence: A111734
Score: 12.7003
Type of gen. func.: lgdogf

$$-\frac{2 x^6 - x^4 + 4 x^3 + 7 x^2 + 2 x + 1}{(x - 1) (x^2 + x + 1) (x^2 - x - 1) (2 x^2 + 2 x + 1)}$$

Sequence: A111734
Score: 13.6065
Type of gen. func.: ogf

$$-\frac{(x - 1) (2 x^2 + 2 x + 1)}{(x^2 + x + 1) (x^2 - x - 1)}$$

Sequence: A111734
Score: 7.094
Type of gen. func.: ogf

$$-(15 f(x) - 56) (f(x) x^4 - f(x) x^2 + 2 x^3 - 2 f(x) x - f(x) - x - 1)$$

Sequence: A111746
Score: 16.0395
Type of gen. func.: lgdogf

$$-\frac{3 x^3 + 11 x^2 + 33 x + 17}{}$$

$$(x - 1) (1 + x) (x^2 + 2 x + 5)$$

Sequence: A111746
Score: 9.44438
Type of gen. func.: ogf

$$\frac{x (x^2 + 2 x + 5)}{(1 + x) (x - 1)^4}$$

Sequence: A111766
Score: 12.4869
Type of gen. func.: ogf

$$-\frac{x (x - 5)}{(1 + x) (x^2 - 6 x + 1)}$$

Sequence: A111766
Score: 6.35496
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) - 5 a(n + 1) + a(n), a(0) = 0, a(1) = 5, a(2) = 24\}$$

Sequence: A111766
Score: 7.18947
Type of gen. func.: ogf

$$f(x) (f(x) x^3 - 5 f(x) x^2 - 5 f(x) x + x^2 + f(x) - 5 x)$$

Sequence: A111777
Score: 2.97975
Type of gen. func.: ogf

$$\{(n^3 + 16 n^2 + 85 n + 150) a(n + 1) + (18 + 3 n) a(n + 2) + (-3 - n) a(n + 3),$$
$$a(0) = 1, a(1) = 12, a(2) = 130\}$$

Sequence: A111778
Score: 3.18938
Type of gen. func.: ogf

```
   3       2
{(n  + 19 n  + 120 n + 252) a(n + 1) + (28 + 4 n) a(n + 2) + (-3 - n) a(n + 3),

    a(0) = 1, a(1) = 20, a(2) = 315}
```

Sequence: A111779
Score: 2.96271
Type of gen. func.: ogf

```
   3       2
{(n  + 22 n  + 161 n + 392) a(n + 1) + (40 + 5 n) a(n + 2) + (-3 - n) a(n + 3),

    a(0) = 1, a(1) = 30, a(2) = 651}
```

Sequence: A111780
Score: 3.11916
Type of gen. func.: ogf

```
   3       2
{(n  + 25 n  + 208 n + 576) a(n + 1) + (54 + 6 n) a(n + 2) + (-3 - n) a(n + 3),

    a(0) = 1, a(1) = 42, a(2) = 1204}
```

Sequence: A111781
Score: 3.26094
Type of gen. func.: ogf

```
   3       2
{(n  + 28 n  + 261 n + 810) a(n + 1) + (70 + 7 n) a(n + 2) + (-3 - n) a(n + 3),

    a(0) = 1, a(1) = 56, a(2) = 2052}
```

Sequence: A111782
Score: 2.95285
Type of gen. func.: ogf

```
    3       2
{(-n  - 31 n  - 320 n - 1100) a(n + 1) + (-88 - 8 n) a(n + 2)

     + (n + 3) a(n + 3), a(0) = 1, a(1) = 72, a(2) = 3285}
```

Sequence: A111783
Score: 3.01233
Type of gen. func.: ogf

$$\{(-n^3 - 34 n^2 - 385 n - 1452) a(n + 1) + (-108 - 9 n) a(n + 2) + (n + 3) a(n + 3), a(0) = 1, a(1) = 90, a(2) = 5005\}$$

Sequence: A111784
Score: 3.09921
Type of gen. func.: ogf

$$\{(-n^3 - 37 n^2 - 456 n - 1872) a(n + 1) + (-130 - 10 n) a(n + 2) + (n + 3) a(n + 3), a(0) = 1, a(1) = 110, a(2) = 7326\}$$

Sequence: A111802
Score: 10.8764
Type of gen. func.: ogf

$$- \frac{2 x^5 - 7 x^4 + 7 x^3 - x + 1}{(x - 1)^3}$$

Sequence: A111802
Score: 12.6423
Type of gen. func.: lgdogf

$$\frac{4 x^5 - 17 x^4 + 28 x^3 - 21 x^2 + 2 x - 2}{(x - 1) (2 x^5 - 7 x^4 + 7 x^3 - x + 1)}$$

Sequence: A111882
Score: 23.7392
Type of gen. func.: lgdegf]

$$1 + x^2 + (x^3 + x^2 - x - 1) f(x)$$

Sequence: A111883
Score: 17.9821
Type of gen. func.: lgdegf]

$$1 + 2 x - x^2 + (-x^3 + x^2 + x - 1) f(x)$$

Sequence: A111883
Score: 3.59631
Type of gen. func.: ogf

$$\{(n^3 + 7 n^2 + 16 n + 12) a(n + 1) + (-n^2 - 7 n - 12) a(n + 2) + (-n - 4) a(n + 3) + a(n + 4), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 16\}$$

Sequence: A111884
Score: 21.6284
Type of gen. func.: lgdegf]

$$-1 + (x^2 + 2 x) f(x) + (x^2 + 2 x + 1) f(x)^2$$

Sequence: A111884
Score: 6.43690
Type of gen. func.: ogf

$$\{(n^2 + n) a(n) + (2 n + 1) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A111889
Score: 7.37133
Type of gen. func.: ogf

$$- \frac{x (2 x^7 + 7 x^6 + 6 x^5 + 8 x^4 + 4 x^3 + 3 x^2 + 5 x + 1)}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A111903
Score: 25.3222
Type of gen. func.: lgdogf

$$4 (x - 3)$$

$$- \frac{}{x^2 - 6 x + 1}$$

Sequence: A111903
Score: 3.41243
Type of gen. func.: ogf

$$\{(n + 2) a(n + 3) + (-18 - 6 n) a(n + 2) + (n + 4) a(n + 1), a(0) = 0, a(1) = 4, a(2) = 48\}$$

Sequence: A111903
Score: 3.90361
Type of gen. func.: ogf

$$-(136323 f(x) - 9499) (f(x) x^4 - 12 f(x) x^3 + 38 f(x) x^2 - 12 f(x) x + f(x) - 4 x)$$

Sequence: A111903
Score: 9.20138
Type of gen. func.: ogf

$$\frac{4 x}{(x^2 - 6 x + 1)^2}$$

Sequence: A111911
Score: 3.72801
Type of gen. func.: ogf

$$\{(-128 n^3 - 704 n^2 - 1272 n - 756) a(n + 1) + (2 n^3 + 17 n^2 + 48 n + 45) a(n + 2), a(0) = 1, a(1) = 5\}$$

Sequence: A111912
Score: 5.48191
Type of gen. func.: ogf

$$x (x^8 + x^7 + 2 x^5 - x^2 - 3 x - 2)$$

$$\overline{(x-1)(1+x)(x^{8}-x^{4}+1)}$$

Sequence: A111913
Score: 8.28931
Type of gen. func.: ogf

$$\frac{x(x^{8}+x^{7}+2x^{4}-x^{2}-3x-2)}{(x-1)(1+x)(x^{8}-x^{4}+1)}$$

Sequence: A111914
Score: 8.01386
Type of gen. func.: ogf

$$-\frac{x^{2}(x^{4}-2x^{3}+x^{2}-2x+1)(1+x)^{2}}{(x-1)(x^{8}-x^{4}+1)}$$

Sequence: A111914
Score: 9.77789
Type of gen. func.: lgdogf

$$-(3x^{13}-5x^{12}-5x^{11}+x^{10}-4x^{9}+14x^{8}-3x^{7}-x^{6}+2x^{4}-x^{3}+x^{2}-5x+1)\Big/((x-1)(1+x)(x^{4}-2x^{3}+x^{2}-2x+1)(x^{8}-x^{4}+1))$$

Sequence: A111915
Score: 9.57254
Type of gen. func.: ogf

$$-\frac{x^{2}(x-1)(x^{2}+x+1)(x^{2}-x+1)}{x^{8}-x^{4}+1}$$

Sequence: A111915
Score: 9.69509

Type of gen. func.: lgdogf

$$-(3 x^{12} - 4 x^{11} + 5 x^{10} - 6 x^9 + 8 x^8 - 8 x^7 - x^6 + 2 x^5 - 8 x^4 + 8 x^3 - 3 x^2 + 2 x - 1) / ((x - 1) (x^2 + x + 1) (x^2 - x + 1) (x^8 - x^4 + 1))$$

Sequence: A111926
Score: 12.1928
Type of gen. func.: ogf

$$-\frac{x^4}{(2 x - 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A111926
Score: 14.9870
Type of gen. func.: lgdogf

$$-\frac{10 x^3 - 18 x^2 + 15 x - 5}{(x - 1) (2 x - 1) (x^2 - x + 1)}$$

Sequence: A111926
Score: 6.04519
Type of gen. func.: ogf

$$2 f(x) x^5 - 7 f(x) x^4 + 11 f(x) x^3 + x^4 - 10 f(x) x^2 + 5 f(x) x - f(x)$$

Sequence: A111927
Score: 15.3809
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 15 x^2 + 12 x - 4}{(x - 1) (2 x - 1) (x^2 - x + 1)}$$

Sequence: A111927
Score: 15.7451
Type of gen. func.: ogf

$$\frac{x^3}{(2 x - 1) (x - 1) (x^2 - x + 1)}$$

Sequence: A111927
Score: 7.79304
Type of gen. func.: ogf

$$-2 f(x) x^4 + 5 f(x) x^3 - 6 f(x) x^2 + x^3 + 4 f(x) x - f(x)$$

Sequence: A111932
Score: 18.2703
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4 x^2 - 2 x + 2}{-x^3 - 1}$$

Sequence: A111942
Score: 3.37463
Type of gen. func.: ogf

$$\{(-n^3 - n^2) a(n) + (2 n^3 + 10 n^2 + 18 n + 8) a(n + 1) - 8 a(n + 2)$$
$$+ (-16 - 8 n) a(n + 3), a(0) = 0, a(1) = 1, a(2) = -1\}$$

Sequence: A111949
Score: 4.51466
Type of gen. func.: ogf_with_Euler_transform]

$$- (-2 x^{19} - x^{18} - 2 x^{17} - x^{16} - x^{15} - 2 x^{13} - x^{12} - x^{11} - x^{10} - 2 x^9 - x^8 - x^7$$
$$- x^6 - 2 x^5 - x^3 - x^2 - 2 x - 1) \Big/ (x^{20} - 1)$$

Sequence: A111951
Score: 6.90712
Type of gen. func.: ogf

$$-\frac{x\,(3\,x^{4}-2\,x^{3}+4\,x^{2}-2\,x+3)}{(x^{4}+1)\,(x^{2}+1)\,(x-1)}$$

Sequence: A111951
Score: 7.99808
Type of gen. func.: lgdogf

$$-\frac{9\,x^{10}-14\,x^{9}+29\,x^{8}-32\,x^{7}+42\,x^{6}-28\,x^{5}+14\,x^{4}+x^{2}+2\,x+1}{(x-1)\,(x^{2}+1)\,(3\,x^{4}-2\,x^{3}+4\,x^{2}-2\,x+3)\,(x^{4}+1)}$$

Sequence: A111952
Score: 5.60566
Type of gen. func.: lgdogf

$$-(8\,x^{11}+3\,x^{10}+20\,x^{9}+10\,x^{8}+36\,x^{7}+21\,x^{6}+20\,x^{4}+4\,x^{3}+15\,x^{2}+4\,x+6)\;\Big/\;((x-1)\,(4\,x^{5}+x^{4}+5\,x^{3}+2\,x^{2}+6\,x+3)\,(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1))$$

Sequence: A111952
Score: 9.93465
Type of gen. func.: ogf

$$-\frac{x\,(4\,x^{5}+x^{4}+5\,x^{3}+2\,x^{2}+6\,x+3)}{(x-1)\,(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)}$$

Sequence: A111954
Score: 13.8655
Type of gen. func.: ogf

$$x - 1$$

$$\frac{}{(1 + x) (x^2 + 2 x - 1)}$$

Sequence: A111954
Score: 19.5830
Type of gen. func.: lgdogf

$$- \frac{2 x (x^2 - 3)}{(x - 1) (1 + x) (x^2 + 2 x - 1)}$$

Sequence: A111954
Score: 6.62049
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 3 a(n + 1) + a(n), a(0) = 1, a(1) = 0, a(2) = 3\}$$

Sequence: A111954
Score: 6.86797
Type of gen. func.: ogf

$$(394 f(x) + 335) (f(x) x^3 + 3 f(x) x^2 + f(x) x - f(x) - x + 1)$$

Sequence: A111955
Score: 12.3517
Type of gen. func.: ogf

$$- \frac{x (3 x + 1)}{(1 + x) (x^2 + 2 x - 1)}$$

Sequence: A111955
Score: 14.4551
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^3 + 6 x^2 + 3 x + 2)}{(3 x + 1) (1 + x) (x^2 + 2 x - 1)}$$

Sequence: A111955
Score: 6.34277
Type of gen. func.: ogf

$$(314 f(x) + 261) (f(x) x^{3} + 3 f(x) x^{2} + f(x) x + 3 x^{2} - f(x) + x)$$

Sequence: A111955
Score: 6.34277
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 3 a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 4\}$$

Sequence: A111958
Score: 5.38746
Type of gen. func.: ogf

$$- \frac{7 x^{10} - 4 x^{9} + 8 x^{8} - x^{7} + 6 x^{6} - 4 x^{5} + 7 x^{4} + 4 x^{2} - x + 2}{(x - 1) (x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1)}$$

Sequence: A111961
Score: 15.8832
Type of gen. func.: revogf

$$\frac{(-x + (5 x^{2} + 2 x + 1)^{1/2}) x}{4 x^{2} + 2 x + 1}$$

Sequence: A111961
Score: 7.74792
Type of gen. func.: lgdogf

$$\frac{1 + 2 x - 12 x^{3} - 11 x^{2} + (-(1 + x) (-1 + 3 x) (x - 1)^{2})^{1/2}}{(1 + x) (-1 + 3 x) (4 x^{2} + 2 x - 1)}$$

Sequence: A111961
Score: 8.00446
Type of gen. func.: ogf

$$4 f(x)^2 x^2 + 2 f(x)^2 x - f(x)^2 + 2 f(x) x + 1$$

Sequence: A111962
Score: 6.52509
Type of gen. func.: ogf

$$-f(x)^2 x^4 - 3 f(x)^2 x^2 - 2 f(x)^2 x - 2 f(x) x^2 + f(x)^2 - 1$$

Sequence: A111964
Score: 7.25164
Type of gen. func.: ogf

$$-f(x)^2 x^4 + 2 f(x)^2 x^3 + 3 f(x)^2 x^2 - 2 f(x) x^2 + f(x)^2 + 2 f(x) x - 1$$

Sequence: A111966
Score: 13.5584
Type of gen. func.: revogf

$$-\frac{(-3 x + (5 x^2 + 2 x + 1)^{1/2}) x}{4 x^2 - 2 x - 1}$$

Sequence: A111966
Score: 7.27525
Type of gen. func.: lgdogf

$$\frac{3 - 22 x + 39 x^2 - 20 x^3 + ((5 x - 1) (x - 1) (-1 + 3 x)^2)^{1/2}}{(5 x - 1) (x - 1) (4 x^2 - 6 x + 1)}$$

Sequence: A111966
Score: 7.51772
Type of gen. func.: ogf

$$-4 f(x)^2 x^2 + 6 f(x)^2 x - f(x)^2 + 2 f(x) x + 1$$

Sequence: A111972
Score: 19.0721
Type of gen. func.: lgdogf

$$\frac{27 x^{28} - 28 x^{27} + 3 x^4 - 4 x^3 - 1}{(x - 1) (x^{28} + x^4 + 1)}$$

Sequence: A111972
Score: 19.7328
Type of gen. func.: ogf

$$-\frac{x (x^{28} + x^4 + 1)}{x - 1}$$

Sequence: A111989
Score: 17.9903
Type of gen. func.: ogf

$$\frac{1}{8 x^3 - 6 x + 1}$$

Sequence: A111989
Score: 18.1720
Type of gen. func.: lgdogf

$$-\frac{6 (2 x - 1) (2 x + 1)}{8 x^3 - 6 x + 1}$$

Sequence: A111989
Score: 6.24927
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 8 a(n), a(0) = 1, a(1) = 6, a(2) = 36\}$$

Sequence: A111989
Score: 6.98449
Type of gen. func.: ogf

$$-(f(x) - 1) (8 f(x) x^3 - 6 f(x) x + f(x) - 1)$$

Sequence: A111990
Score: 10.2268
Type of gen. func.: ogf

$$\frac{1}{(8 x^3 - 6 x + 1)^2}$$

Sequence: A111990
Score: 17.0933
Type of gen. func.: lgdogf

$$- \frac{12 (2 x - 1) (2 x + 1)}{8 x^3 - 6 x + 1}$$

Sequence: A111990
Score: 3.50979
Type of gen. func.: ogf

$\{(-n - 4) a(n + 4) + (30 + 6 n) a(n + 3) + (-56 - 8 n) a(n + 1), a(0) = 1,$

$a(1) = 12, a(2) = 108, a(3) = 848\}$

Sequence: A111991
Score: 16.9528
Type of gen. func.: lgdogf

$$- \frac{18 (2 x - 1) (2 x + 1)}{8 x^3 - 6 x + 1}$$

Sequence: A111991
Score: 3.36012
Type of gen. func.: ogf

$$\{(-n-4)a(n+4)+(36+6n)a(n+3)+(-80-8n)a(n+1),\ a(0)=1,\ a(1)=18,\ a(2)=216,\ a(3)=2136\}$$

Sequence: A111991
Score: 6.14216
Type of gen. func.: ogf

$$\frac{1}{(8x^3-6x+1)^3}$$

Sequence: A111993
Score: 11.4804
Type of gen. func.: lgdogf

$$-\frac{5\,(x-1+(x^2-6x+1)^{1/2})}{2\,(x^2-6x+1)^{1/2}\,x}$$

Sequence: A111994
Score: 12.7316
Type of gen. func.: lgdogf

$$-36+(6x^2-36x+6)f(x)+(x^3-6x^2+x)f(x)^2$$

Sequence: A111995
Score: 11.7431
Type of gen. func.: lgdogf

$$-\frac{7\,(x-1+(x^2-6x+1)^{1/2})}{2\,(x^2-6x+1)^{1/2}\,x}$$

Sequence: A111996

Score: 12.7076
Type of gen. func.: lgdogf

$$-\frac{4\,(x - 1 + (x^2 - 6\,x + 1)^{1/2})}{(x^2 - 6\,x + 1)^{1/2}\,x}$$

Sequence: A111997
Score: 12.3684
Type of gen. func.: lgdogf

$$-\frac{9\,(x - 1 + (x^2 - 6\,x + 1)^{1/2})}{2\,(x^2 - 6\,x + 1)^{1/2}\,x}$$

Sequence: A111998
Score: 11.6642
Type of gen. func.: lgdogf

$$-100 + (10\,x^2 - 60\,x + 10)\,f(x) + (x^3 - 6\,x^2 + x)\,f(x)^2$$

Sequence: A112000
Score: 11.3825
Type of gen. func.: lgdegf]

$$-\frac{5\,(2\,x^3 - 81\,x^2 + 138\,x - 26)}{(2\,x + 1)\,(2\,x^3 - 57\,x^2 + 64\,x - 6)}$$

Sequence: A112000
Score: 3.56539
Type of gen. func.: ogf

$$\{(2\,n^2 + 15\,n + 28)\,a(n + 1) + (-12\,n^2 - 125\,n - 332)\,a(n + 2)$$

$$+ (-18 - 6\,n)\,a(n + 3),\ a(0) = -3,\ a(1) = 65,\ a(2) = -1190\}$$

Sequence: A112001

Score: 7.57390
Type of gen. func.: lgdegf]

$$-\frac{21\,(10\,x^4 - 535\,x^3 + 1509\,x^2 - 766\,x + 66)}{(2\,x + 1)\,(30\,x^4 - 1235\,x^3 + 2544\,x^2 - 846\,x + 36)}$$

Sequence: A112002
Score: 6.02142
Type of gen. func.: lgdogf

$$-\frac{8\,x^5 + 1031\,x^4 + 14976\,x^3 + 52756\,x^2 + 53296\,x + 13068}{(x - 1)\,(x^5 + 114\,x^4 + 1452\,x^3 + 4400\,x^2 + 3708\,x + 720)}$$

Sequence: A112014
Score: 2.18261
Type of gen. func.: ogf

$$-(f(x)\,x^2 - 2\,f(x)\,x + f(x) - x)^2$$

Sequence: A112014
Score: 3.56272
Type of gen. func.: ogf_with_Euler_transform]

$$1 + (1452\,x^8 + 1)^{1/2}$$

Sequence: A112027
Score: 10.7145
Type of gen. func.: ogf

$$-\frac{6\,x^7 - 3\,x^4 - 3\,x^3 - x^2 - 2\,x - 1}{(x - 1)\,(1 + x)\,(x^2 + 1)\,(3\,x^4 - 1)}$$

Sequence: A112030
Score: 10.8237
Type of gen. func.: ogf

$$\{a(n + 2) + a(n), a(0) = 3, a(1) = 1\}$$

Sequence: A112030
Score: 15.3937
Type of gen. func.: ogf

$$f(x) x^2 + f(x) - x - 3$$

Sequence: A112030
Score: 16.8955
Type of gen. func.: ogf

$$\frac{x + 3}{x^2 + 1}$$

Sequence: A112030
Score: 24.0241
Type of gen. func.: revogf

$$- \frac{-3 + (-4 x^2 + 4 x + 9)^{1/2}}{2 (x - 1)}$$

Sequence: A112030
Score: 31.1424
Type of gen. func.: lgdogf

$$- \frac{x^2 + 6 x - 1}{(x + 3) (x^2 + 1)}$$

Sequence: A112031
Score: 13.6591
Type of gen. func.: ogf

$$- \frac{2 x^2 + x + 3}{}$$

$$(x^2 + 1) (2 x^2 - 1)$$

Sequence: A112031
Score: 7.7086
Type of gen. func.: ogf

$$-(107 f(x) - 185) (2 f(x) x^4 + f(x) x^2 + 2 x^2 - f(x) + x + 3)$$

Sequence: A112032
Score: 10.7458
Type of gen. func.: ogf

$$(264 f(x) - 1055) (2 f(x) x^2 - f(x) + x + 4)$$

Sequence: A112032
Score: 12.0890
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n), a(0) = 4, a(1) = 1\}$$

Sequence: A112032
Score: 18.8707
Type of gen. func.: ogf

$$- \frac{x + 4}{2 x^2 - 1}$$

Sequence: A112033
Score: 11.7477
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n), a(0) = 12, a(1) = 3\}$$

Sequence: A112033
Score: 16.6
Type of gen. func.: ogf

$$-2 f(x) x^2 + f(x) - 3 x - 12$$

Sequence: A112033
Score: 18.1809
Type of gen. func.: ogf

$$-\frac{3 (x + 4)}{2 x^2 - 1}$$

Sequence: A112033
Score: 22.6922
Type of gen. func.: revogf

$$\frac{-6 + (2 x^2 + 3 x + 36)^{1/2}}{2 x + 3}$$

Sequence: A112033
Score: 24.1562
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 16 x + 1}{(x + 4) (2 x^2 - 1)}$$

Sequence: A112062
Score: 10.9537
Type of gen. func.: ogf

$$\frac{4 x^4 + x^3 + 3 x^2 + x + 3}{(x^2 + 1) (1 + x) (x - 1)^2}$$

Sequence: A112062
Score: 9.29277
Type of gen. func.: lgdogf

$$-\frac{2(2x^7+3x^6+7x^5+6x^4+18x^3+5x^2+5x+2)}{(x-1)(1+x)(x^2+1)(4x^4+x^3+3x^2+x+3)}$$

Sequence: A112063
Score: 7.52857
Type of gen. func.: lgdogf

$$-\frac{2(6x^7+19x^6+43x^5+79x^4+107x^3+71x^2+29x+6)}{(x-1)(1+x)(12x^4+13x^3+12x^2+12x+11)(x^2+x+1)}$$

Sequence: A112063
Score: 9.46406
Type of gen. func.: ogf

$$\frac{12x^4+13x^3+12x^2+12x+11}{(1+x)(x^2+x+1)(x-1)^2}$$

Sequence: A112072
Score: 10.6689
Type of gen. func.: ogf

$$\frac{7x^4+2x^3+6x^2+2x+7}{(x^2+1)(1+x)(x-1)^2}$$

Sequence: A112072
Score: 8.39035
Type of gen. func.: lgdogf

$$-\frac{7x^7+11x^6+27x^5+23x^4+73x^3+21x^2+21x+9}{(x-1)(1+x)(x^2+1)(7x^4+2x^3+6x^2+2x+7)}$$

Sequence: A112073

Score: 7.07729
Type of gen. func.: lgdogf

$$-\frac{23x^7+73x^6+168x^5+314x^4+430x^3+288x^2+119x+25}{(x-1)(1+x)(x^2+x+1)(23x^4+25x^3+24x^2+25x+23)}$$

Sequence: A112073
Score: 9.23523
Type of gen. func.: ogf

$$\frac{23x^4+25x^3+24x^2+25x+23}{(1+x)(x^2+x+1)(x-1)^2}$$

Sequence: A112087
Score: 14.1727
Type of gen. func.: ogf

$$-\frac{4(x^2+1)}{(x-1)^3}$$

Sequence: A112087
Score: 27.6967
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^3+x+3]$$

Sequence: A112087
Score: 30.4819
Type of gen. func.: lgdogf

$$-\frac{x^2+2x+3}{(x-1)(x^2+1)}$$

Sequence: A112087
Score: 7.08634
Type of gen. func.: ogf

$$\{a(n+3) - 3 a(n+2) + 3 a(n+1) - a(n), a(0) = 4, a(1) = 12, a(2) = 28\}$$

Sequence: A112087
Score: 7.48003
Type of gen. func.: ogf

$$(9 f(x) - 16) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) + 4)$$

Sequence: A112091
Score: 10.4354
Type of gen. func.: ogf

$$-\frac{(2 x - 1)^2}{(x - 1) (5 x^2 - 5 x + 1)}$$

Sequence: A112091
Score: 12.1946
Type of gen. func.: lgdogf

$$-\frac{10 x^3 - 15 x^2 + 8 x - 2}{(x - 1) (2 x - 1) (5 x^2 - 5 x + 1)}$$

Sequence: A112091
Score: 5.72561
Type of gen. func.: ogf

$$(10 f(x) - 7) (5 f(x) x^3 - 10 f(x) x^2 + 6 f(x) x + 4 x^2 - f(x) - 4 x + 1)$$

Sequence: A112091
Score: 5.72562
Type of gen. func.: ogf

$$\{a(n+3) - 6 a(n+2) + 10 a(n+1) - 5 a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A112128
Score: 4.31626
Type of gen. func.: ogf

$$(52 x^{20} - 125 x^{16} - 98 x^{12} - 42 x^{8} - 100 x^{4} - 49) \Big/ (52 x^{20} - 42 x^{17} - 125 x^{16} - 48 x^{13} - 98 x^{12} - 174 x^{9} - 42 x^{8} - 4 x^{5} - 100 x^{4} - 98 x - 49)$$

Sequence: A112132
Score: 10.0338
Type of gen. func.: lgdogf

$$-\frac{7 x^{6} + 2 x^{5} + 9 x^{4} + 4 x^{3} + 21 x^{2} + 2 x + 3}{(x - 1) (1 + x) (x^{2} + 1) (7 x^{3} + x^{2} + 3 x + 1)}$$

Sequence: A112132
Score: 13.8678
Type of gen. func.: ogf

$$-\frac{7 x^{3} + x^{2} + 3 x + 1}{(x - 1) (1 + x) (x^{2} + 1)}$$

Sequence: A112132
Score: 9.19146
Type of gen. func.: ogf

$$(10 f(x) + 629) (f(x) x^{4} + 7 x^{3} + x^{2} - f(x) + 3 x + 1)$$

Sequence: A112133
Score: 12.5488
Type of gen. func.: ogf

$$-\frac{23 x^{3} + 24 x^{2} + 12 x + 1}{}$$

$$(x - 1) (1 + x) (x^2 + x + 1)$$

Sequence: A112133
Score: 7.22809
Type of gen. func.: ogf

$$(38 f(x) + 531) (f(x) x^4 + f(x) x^3 + 23 x^3 - f(x) x + 24 x^2 - f(x) + 12 x + 1)$$

Sequence: A112133
Score: 9.84597
Type of gen. func.: lgdogf

$$- \frac{23 x^6 + 48 x^5 + 60 x^4 + 74 x^3 + 96 x^2 + 48 x + 11}{(x - 1) (1 + x) (x^2 + x + 1) (23 x^3 + 24 x^2 + 12 x + 1)}$$

Sequence: A112142
Score: 12.3594
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-12 x^2 + 12 x - 12}{-x^4 + 1}$$

Sequence: A112143
Score: 16.6914
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{4 x^2 + 4 x + 4}{-x^4 + 1}$$

Sequence: A112150
Score: 16.1386
Type of gen. func.: ogf_with_Euler_transform]

$$-6 x^2 + 6 x - 6$$

$$- \frac{}{-x^{4} + 1}$$

Sequence: A112157
Score: 19.9389
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-2 x - 2}{x^{3} - 1}$$

Sequence: A112160
Score: 14.9061
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-4 x^{2} + 4 x - 4}{-x^{4} + 1}$$

Sequence: A112161
Score: 14.7847
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^{4} - 2 x^{3} - 2 x - 1}{x^{6} - 1}$$

Sequence: A112165
Score: 8.26490
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{7} - 2 x^{6} + 2 x^{5} + x^{4} - x^{3} - 2 x^{2} + 2 x - 1}{x^{9} + x^{6} + x^{3} + 1}$$

Sequence: A112175
Score: 16.0413
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^4 + 2x^2 + 1}{-x^6 + 1}$$

Sequence: A112176
Score: 9.50631
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^7 - x^6 - x^5 - x^4 + x^3 + x^2 + x - 1}{-x^9 - 1}$$

Sequence: A112182
Score: 12.3443
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^8 - x^6 - 2x^4 - x^2 - 1}{x^{10} - 1}$$

Sequence: A112192
Score: 10.9051
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{10} + x^9 + x^6 + x^4 + x + 1}{x^{12} - 1}$$

Sequence: A112194
Score: 9.23037
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^7 + x^6 - x^5 + x^4 + x^3 - x^2 + x + 1}{x^9 - 1}$$

Sequence: A112206
Score: 8.58777
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{10}+x^{9}-2x^{8}-x^{6}+2x^{5}-x^{4}-2x^{2}+x-1}{-x^{12}+1}$$

Sequence: A112215
Score: 8.77507
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{28}-x^{22}-x^{18}-x^{16}-x^{12}-x^{10}-x^{6}-1}{x^{30}-1}$$

Sequence: A112240
Score: 19.0550
Type of gen. func.: lgdegf]

$$\frac{2x^{2}+1}{(1+x)^{2}(2x-1)^{2}}$$

Sequence: A112241
Score: 21.6778
Type of gen. func.: lgdegf]

$$\frac{2x^{2}+1}{(2x^{2}+2x-1)^{2}}$$

Sequence: A112242
Score: 15.2734
Type of gen. func.: lgdegf]

$$3+6x-3x^{2}+(-4x^{2}+8x-2)f(x)+(-x^{2}+2x-1)f(x)^{2}$$

Sequence: A112242
Score: 4.10003
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) + (n^2 + 3 n) a(n + 2) + (-2 n - 7) a(n + 3) + a(n + 4), a(0) = 1, a(1) = 1, a(2) = 5, a(3) = 25\}$$

Sequence: A112243
Score: 17.4355
Type of gen. func.: lgdegf]

$$1 + 2 x - 2 x^2 + (-4 x^2 + 4 x - 1) f(x)$$

Sequence: A112259
Score: 10.4851
Type of gen. func.: ogf

$$-\frac{1 + 8 x}{(8 x - 1) (64 x^2 + 11 x + 1)}$$

Sequence: A112259
Score: 4.97596
Type of gen. func.: ogf

$$-(13955 f(x) - 14208) (512 f(x) x^3 + 24 f(x) x^2 - 3 f(x) x - f(x) + 8 x + 1)$$

Sequence: A112259
Score: 5.10577
Type of gen. func.: ogf

$$\{a(n + 3) + 3 a(n + 2) - 24 a(n + 1) - 512 a(n), a(0) = 1, a(1) = 5, a(2) = 9\}$$

Sequence: A112259
Score: 9.58634
Type of gen. func.: lgdogf

$$8192 x^3 + 1728 x^2 + 48 x + 5$$

$$- \frac{}{(1 + 8 x) (8 x - 1) (64 x^2 + 11 x + 1)}$$

Sequence: A112260
Score: 11.7461
Type of gen. func.: lgdogf

$$- \frac{64 x^4 - 64 x^3 + 24 x^2 + 4 x - 1}{(2 x - 1) (4 x^2 - x + 1) (8 x^2 - 4 x + 1)}$$

Sequence: A112260
Score: 11.9225
Type of gen. func.: ogf

$$- \frac{8 x^2 - 4 x + 1}{(2 x - 1) (4 x^2 - x + 1)}$$

Sequence: A112260
Score: 6.21601
Type of gen. func.: ogf

$$-(95 f(x) - 92) (8 f(x) x^3 - 6 f(x) x^2 + 3 f(x) x + 8 x^2 - f(x) - 4 x + 1)$$

Sequence: A112260
Score: 6.49352
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 6 a(n + 1) - 8 a(n), a(0) = 1, a(1) = -1, a(2) = -1\}$$

Sequence: A112261
Score: 13.4706
Type of gen. func.: ogf

$$- \frac{2 (-1 + 3 x)}{(2 x - 1) (4 x^2 - x + 1)}$$

Sequence: A112261
Score: 6.31015
Type of gen. func.: lgdogf

$$-\frac{6 x (8 x^2 - 7 x + 2)}{(-1 + 3 x) (2 x - 1) (4 x^2 - x + 1)}$$

Sequence: A112261
Score: 6.37448
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 6 a(n + 1) - 8 a(n), a(0) = -2, a(1) = 0, a(2) = 12}

Sequence: A112261
Score: 6.43191
Type of gen. func.: ogf

$$-(235 f(x) - 988) (8 f(x) x^3 - 6 f(x) x^2 + 3 f(x) x - f(x) + 6 x - 2)$$

Sequence: A112274
Score: 13.9874
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^2 + 1}{x^4 - x^3 + x^2 - x + 1}$$

Sequence: A112279
Score: 9.42736
Type of gen. func.: ogf

$$-\frac{100 x^7 + 125 x^6 + 30 x^5 + 11 x^4 + 5 x^3 + 3 x^2 + 2 x + 1}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A112293
Score: 4.35074
Type of gen. func.: ogf

{(-2 n - 3) a(n + 1) + (2 n + 6) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 2,

a(2) = 7}

Sequence: A112298
Score: 5.93053
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^9 + 3 x^8 - x^6 + x^5 + 4 x^4 - x^3 - x^2 + 2 x + 3}{-x^{10} + x^8 - x^6 + x^4 - x^2 + 1}$$

Sequence: A112299
Score: 11.9218
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x - 1)^2}{(x^2 + 1) (x^4 + 1)}$$

Sequence: A112299
Score: 14.6099
Type of gen. func.: lgdogf

$$-\frac{2 x^8 - x^7 - x^6 - 7 x^5 - 3 x^4 - 5 x^3 - 5 x^2 - 3 x - 1}{(x - 1) (x^2 + 1) (x^2 + x + 1) (x^4 + 1)}$$

Sequence: A112299
Score: 26.3182
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 - x^2 - x - 1$$

Sequence: A112300
Score: 14.5334
Type of gen. func.: ogf

$$\frac{(x-1)^2}{(x^2+x+1)(x^2-x+1)}$$

Sequence: A112300
Score: 25.2348
Type of gen. func.: lgdogf

$$-\frac{2(x^4-2x^3-x-1)}{(x-1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A112300
Score: 28.5069
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5-x-2]$$

Sequence: A112300
Score: 7.88957
Type of gen. func.: ogf

{-a(n + 4) - a(n + 2) - a(n), a(0) = 1, a(1) = -2, a(2) = 0, a(3) = 2}

Sequence: A112300
Score: 8.54026
Type of gen. func.: ogf

$$-(f(x)+3)(f(x)x^4+f(x)x^2-x^2+f(x)+2x-1)$$

Sequence: A112301
Score: 7.87280
Type of gen. func.: ogf_with_Euler_transform]

$$^{9} \quad ^{8} \quad ^{7}$$

$$-\frac{-2 x - 2 x + x - x - 2}{x^{10} - x^{8} + x^{2} - 1}$$

Sequence: A112328
Score: 4.41888
Type of gen. func.: ogf

$$-64 f(x)^{2} x^{4} + 48 f(x)^{2} x^{3} - 12 f(x)^{2} x^{2} + f(x)^{2} x + 96 f(x) x^{2} - 48 f(x) x + 6 f(x) - 16 x - 12$$

Sequence: A112335
Score: 15.0926
Type of gen. func.: ogf

$$-\frac{x^{2} + 3 x - 1}{(x - 1)^{2}}$$

Sequence: A112335
Score: 39.0427
Type of gen. func.: lgdogf

$$-\frac{5 x + 1}{(x - 1) (x^{2} + 3 x - 1)}$$

Sequence: A112335
Score: 7.84223
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 1, a(1) = -1, a(2) = -4\}$$

Sequence: A112335
Score: 8.07987
Type of gen. func.: ogf

$$-(-29 + 30 f(x)) (f(x) x^{2} - 2 f(x) x + x^{2} + f(x) + 3 x - 1)$$

Sequence: A112346
Score: 15.1242
Type of gen. func.: lgdogf

$$-\frac{2(3x^3+3x^2-3x-1)}{(x-1)(1+x)(3x^2-1)}$$

Sequence: A112346
Score: 3.87200
Type of gen. func.: ogf

$$\frac{1+x}{(x-1)(3x^2-1)}$$

Sequence: A112353
Score: 6.80906
Type of gen. func.: lgdogf

$$\frac{48x^7-159x^6+176x^5-57x^4-32x^3+27x^2+22x-28}{(x-1)(12x^7-25x^6+13x^5+8x^4-6x^3-9x^2-2x+10)}$$

Sequence: A112353
Score: 7.15028
Type of gen. func.: ogf

$$-\frac{12x^7-25x^6+13x^5+8x^4-6x^3-9x^2-2x+10}{(x-1)^3}$$

Sequence: A112355
Score: 10.9422
Type of gen. func.: ogf

$$-\frac{3x^3-6x^2+x+3}{}$$

$$(x - 1)^{3}$$

Sequence: A112355
Score: 18.4861
Type of gen. func.: lgdogf

$$- \frac{3 x^{2} - 10 x + 10}{(x - 1) (3 x^{3} - 6 x^{2} + x + 3)}$$

Sequence: A112355
Score: 5.59269
Type of gen. func.: ogf

$\{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 3, a(1) = 10, a(2) = 15,$
$a(3) = 21\}$

Sequence: A112355
Score: 6.23978
Type of gen. func.: ogf

$$(11 f(x) + 42) (f(x) x^{3} - 3 f(x) x^{2} + 3 x^{3} + 3 f(x) x - 6 x^{2} - f(x) + x + 3)$$

Sequence: A112368
Score: 5.75076
Type of gen. func.: ogf

$\{(2 n + 6) a(n + 1) + (-2 n - 7) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 3,$
$a(2) = 11\}$

Sequence: A112369
Score: 5.77096
Type of gen. func.: ogf

$\{(2 n + 6) a(n + 1) + (-2 n - 7) a(n + 2) + a(n + 3), a(0) = 0, a(1) = 2,$
$a(2) = 10\}$

Sequence: A112370
Score: 5.08782
Type of gen. func.: ogf

$$\{(3 n + 9) a(n + 1) + (-3 n - 10) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 4, a(2) = 22\}$$

Sequence: A112385
Score: 4.25047
Type of gen. func.: ogf

$$\{(256 n^3 + 1664 n^2 + 3568 n + 2520) a(n + 1) + (-27 n^3 - 216 n^2 - 573 n - 504) a(n + 2), a(0) = 2, a(1) = 6\}$$

Sequence: A112385
Score: 42.8262
Type of gen. func.: revogf

$$-\frac{x (x - 2)^3}{16}$$

Sequence: A112387
Score: 11.8125
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^6 + 5 x^4 + 4 x^3 + 4 x^2 + x + 1)}{(x^2 + 1) (2 x^2 - 1) (2 x^3 + 2 x + 1)}$$

Sequence: A112387
Score: 13.5271
Type of gen. func.: ogf

$$-\frac{2 x^3 + 2 x + 1}{(x^2 + 1) (2 x^2 - 1)}$$

Sequence: A112387
Score: 8.20262
Type of gen. func.: ogf

$$(2 f(x) + 93) (2 f(x) x^4 + f(x) x^2 + 2 x^3 - f(x) + 2 x + 1)$$

Sequence: A112414
Score: 10.0454
Type of gen. func.: ogf

$$(3 f(x) + 29) (f(x) x^2 - 2 f(x) x + f(x) + 4 x - 7)$$

Sequence: A112414
Score: 10.4085
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 7, a(1) = 10\}$$

Sequence: A112414
Score: 19.1979
Type of gen. func.: ogf

$$-\frac{4 x - 7}{(x - 1)^2}$$

Sequence: A112414
Score: 24.2151
Type of gen. func.: revogf

$$-\frac{-7 - 2 x + (49 + 12 x)^{1/2}}{2 (x + 4)}$$

Sequence: A112414
Score: 33.9011
Type of gen. func.: lgdogf

$$-\frac{2(-5+2x)}{(x-1)(4x-7)}$$

Sequence: A112415
Score: 5.40039
Type of gen. func.: ogf

$$\{(-n-2)\,a(n+2)+(n+6)\,a(n+1),\ a(0)=12,\ a(1)=60\}$$

Sequence: A112415
Score: 69.8715
Type of gen. func.: lgdogf

$$-\frac{5}{x-1}$$

Sequence: A112415
Score: 9.54068
Type of gen. func.: ogf

$$-\frac{12}{(x-1)^5}$$

Sequence: A112421
Score: 13.8423
Type of gen. func.: lgdogf

$$-\frac{2(4x^5+x^4+x^3+x^2+x+1)}{(x-1)(1+x)(x^2+x+1)(x^2-x+1)}$$

Sequence: A112421
Score: 14.6117
Type of gen. func.: ogf

$$-\frac{2}{(1+x)(x^2+x+1)(x^2-x+1)(x-1)^3}$$

Sequence: A112421
Score: 33.1689
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5 + 2]$$

Sequence: A112422
Score: 7.43859
Type of gen. func.: ogf

$$-(8x^6 + 8x^5 + 8x^4 + 8x^3 + 8x^2 + 8x + 3) \Big/ ((1 + x)(x^2 + x + 1)(x^2 - x + 1)(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^3)$$

Sequence: A112423
Score: 5.33953
Type of gen. func.: ogf

$$-\frac{6(3x^7 + 3x^6 + 3x^5 + 3x^4 + 3x^3 + 3x^2 + 3x + 1)}{(1 + x)(x^2 + 1)(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x^4 + 1)(x - 1)^3}$$

Sequence: A112440
Score: 4.02589
Type of gen. func.: ogf

$$\frac{9x^9(x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - 1)}{x - 1}$$

Sequence: A112447
Score: 12.3493
Type of gen. func.: lgdogf

$$-\frac{8x^5 + 6x^4 + 8x^3 + x^2 + 6x + 1}{(2x^2 - 1)(2x^2 + x + 1)(x^2 + 1)}$$

Sequence: A112447
Score: 14.4920
Type of gen. func.: ogf

$$-\frac{2 x^{2} + x + 1}{(x^{2} + 1) (2 x^{2} - 1)}$$

Sequence: A112447
Score: 8.78772
Type of gen. func.: ogf

$$(16 f(x) + 7) (2 f(x) x^{4} + f(x) x^{2} + 2 x^{2} - f(x) + x + 1)$$

Sequence: A112455
Score: 12.7769
Type of gen. func.: ogf

$$-\frac{x^{2} + 3}{x^{3} + x^{2} + 1}$$

Sequence: A112455
Score: 22.3207
Type of gen. func.: lgdogf

$$-\frac{x (x^{3} + 9 x + 4)}{(x^{2} + 3) (x^{3} + x^{2} + 1)}$$

Sequence: A112455
Score: 6.90997
Type of gen. func.: ogf

$$-(651 f(x) + 1889) (f(x) x^{3} + f(x) x^{2} + x^{2} + f(x) + 3)$$

Sequence: A112455
Score: 7.28147
Type of gen. func.: ogf

$$\{a(n + 3) + a(n + 1) + a(n), a(0) = -3, a(1) = 0, a(2) = 2\}$$

Sequence: A112459
Score: 10.9834
Type of gen. func.: lgdogf

$$-\frac{12 x + 23}{(2 x + 3) (x - 1)}$$

Sequence: A112459
Score: 3.21513
Type of gen. func.: ogf

$$-\frac{2 x + 3}{(x - 1)^7}$$

Sequence: A112460
Score: 30.2455
Type of gen. func.: lgdogf

$$-\frac{3 (8 x + 13)}{(3 x + 4) (x - 1)}$$

Sequence: A112460
Score: 5.12897
Type of gen. func.: ogf

$$\{(-4 n - 12) a(n + 3) + (41 + n) a(n + 2) + (27 + 3 n) a(n + 1), a(0) = 4, a(1) = 39, a(2) = 207\}$$

Sequence: A112460
Score: 7.34055
Type of gen. func.: ogf

$$-\frac{3x+4}{(x-1)^{9}}$$

Sequence: A112461
Score: 29.5899
Type of gen. func.: lgdogf

$$-\frac{59+40x}{(4x+5)(x-1)}$$

Sequence: A112461
Score: 4.82742
Type of gen. func.: ogf

{(-5 n - 15) a(n + 3) + (61 + n) a(n + 2) + (44 + 4 n) a(n + 1), a(0) = 5,

    a(1) = 59, a(2) = 374}

Sequence: A112461
Score: 5.57835
Type of gen. func.: ogf

$$-\frac{4x+5}{(x-1)^{11}}$$

Sequence: A112462
Score: 30.3217
Type of gen. func.: lgdogf

$$-\frac{83+60x}{(5x+6)(x-1)}$$

Sequence: A112462
Score: 4.79023
Type of gen. func.: ogf

$$-\frac{5x+6}{\quad^{13}}$$

```
                                   (x - 1)


--------------------------------------------------------------------------------

Sequence:  A112462
Score: 4.94376
Type of gen. func.: ogf


{(-18 - 6 n) a(n + 3) + (85 + n) a(n + 2) + (65 + 5 n) a(n + 1), a(0) = 6,

    a(1) = 83, a(2) = 611}



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Sequence:  A112463
Score: 27.9955
Type of gen. func.: lgdogf


                                     3 (37 + 28 x)
                                 - -----------------
                                   (6 x + 7) (x - 1)



--------------------------------------------------------------------------------

Sequence:  A112463
Score: 4.86653
Type of gen. func.: ogf


{(-7 n - 21) a(n + 3) + (113 + n) a(n + 2) + (90 + 6 n) a(n + 1), a(0) = 7,

    a(1) = 111, a(2) = 930}



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Sequence:  A112464
Score: 27.6585
Type of gen. func.: lgdogf


                                      143 + 112 x
                                 - -----------------
                                   (7 x + 8) (x - 1)



--------------------------------------------------------------------------------

Sequence:  A112464
Score: 4.74785
Type of gen. func.: ogf


{(-24 - 8 n) a(n + 3) + (145 + n) a(n + 2) + (119 + 7 n) a(n + 1), a(0) = 8,

    a(1) = 143, a(2) = 1343}



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Sequence: A112469
Score: 17.4243
Type of gen. func.: ogf

$$\frac{1 + x}{(x - 1) (x^2 - x - 1)}$$

Sequence: A112469
Score: 22.2003
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + x^2 - 4 x - 1}{(x - 1) (1 + x) (x^2 - x - 1)}$$

Sequence: A112469
Score: 9.08289
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 1) + a(n), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A112469
Score: 9.81371
Type of gen. func.: ogf

$$(11 f(x) + 13) (f(x) x^3 - 2 f(x) x^2 + f(x) - x - 1)$$

Sequence: A112476
Score: 15.6616
Type of gen. func.: ogf

$$\frac{x - 1}{(1 + x) (x^3 + x^2 + x - 1)}$$

Sequence: A112476
Score: 19.2463
Type of gen. func.: lgdogf

$$-\frac{3 x^4 - 4 x^2 - 4 x + 1}{(x - 1) (1 + x) (x^3 + x^2 + x - 1)}$$

Sequence: A112476
Score: 8.26582
Type of gen. func.: ogf

$$-(6 f(x) + 79) (f(x) x^4 + 2 f(x) x^3 + 2 f(x) x^2 - f(x) - x + 1)$$

Sequence: A112478
Score: 13.8025
Type of gen. func.: ogf

$$-f(x)^2 + f(x) x + f(x) + x$$

Sequence: A112478
Score: 16.7064
Type of gen. func.: lgdogf

$$\frac{x - 1 + (x^2 + 6 x + 1)^{1/2}}{2 (x^2 + 6 x + 1)^{1/2} x}$$

Sequence: A112478
Score: 3.75810
Type of gen. func.: ogf

$$\{(n^2 - n) a(n) + (5 n^2 + n) a(n + 1) + (-5 n^2 - 19 n - 18) a(n + 2)$$

$$+ (-n^2 - 5 n - 6) a(n + 3), a(0) = 1, a(1) = 2, a(2) = -2\}$$

Sequence: A112482
Score: 5.90561
Type of gen. func.: ogf

$$f(x)^3 x^2 - f(x)^2 x^2 - f(x)^2 x + f(x) x^2 + 3 f(x) x - x^2 - f(x) - x + 1$$

Sequence: A112483
Score: 32.5411
Type of gen. func.: revogf

$$-\frac{x\,(x^2-x-1)}{2\,x+1}$$

Sequence: A112483
Score: 9.05324
Type of gen. func.: ogf

$$f(x)^3\,x^2-f(x)^2\,x+2\,f(x)\,x-f(x)+1$$

Sequence: A112487
Score: 44.6896
Type of gen. func.: revegf]

$$2-x-2\,\exp(-x)$$

Sequence: A112494
Score: 10.1706
Type of gen. func.: lgdogf

$$-\frac{21\,(40\,x^4+192\,x^3+204\,x^2+56\,x+3)}{(x-1)\,(120\,x^4+444\,x^3+328\,x^2+52\,x+1)}$$

Sequence: A112494
Score: 4.61237
Type of gen. func.: ogf

$$-\frac{120\,x^4+444\,x^3+328\,x^2+52\,x+1}{(x-1)^{11}}$$

Sequence: A112495
Score: 7.25318
Type of gen. func.: ogf

$$-\frac{5x-3}{(-1+3x)(2x-1)^2(x-1)^3}$$

Sequence: A112495
Score: 9.82454
Type of gen. func.: lgdogf

$$-\frac{150x^3-253x^2+140x-25}{(x-1)(-1+3x)(5x-3)(2x-1)}$$

Sequence: A112498
Score: 6.71891
Type of gen. func.: ogf

$$-\frac{6x^2+x-3}{(-1+3x)(2x-1)^2(x-1)^3}$$

Sequence: A112498
Score: 8.55541
Type of gen. func.: lgdogf

$$-\frac{144x^4-78x^3-149x^2+136x-29}{(x-1)(-1+3x)(2x-1)(6x^2+x-3)}$$

Sequence: A112502
Score: 14.2244
Type of gen. func.: lgdogf

$$-\frac{2(18x^2-20x+5)}{(x-1)(-1+3x)(2x-1)}$$

Sequence: A112502
Score: 8.39075
Type of gen. func.: ogf

$$\frac{1}{(-1 + 3 x) (2 x - 1)^{2} (x - 1)^{3}}$$

Sequence: A112504
Score: 7.60966
Type of gen. func.: lgdogf

$$- \frac{1800 x^{4} - 3066 x^{3} + 1771 x^{2} - 420 x + 35}{(x - 1) (4 x - 1) (-1 + 3 x) (2 x - 1) (5 x - 1)}$$

Sequence: A112518
Score: 19.7405
Type of gen. func.: ogf

$$\frac{1}{x^{4} + 2 x^{3} - x + 1}$$

Sequence: A112518
Score: 20.8713
Type of gen. func.: lgdogf

$$- \frac{(2 x + 1) (2 x^{2} + 2 x - 1)}{x^{4} + 2 x^{3} - x + 1}$$

Sequence: A112518
Score: 7.37776
Type of gen. func.: ogf

$$(4 f(x) + 5) (f(x) x^{4} + 2 f(x) x^{3} - f(x) x + f(x) - 1)$$

Sequence: A112521
Score: 15.1269
Type of gen. func.: lgdogf

$$\frac{6\left(-8x-1+(1-4x)^{1/2}\right)}{(16x+5)(4x-1)}$$

Sequence: A112521
Score: 3.58573
Type of gen. func.: ogf

$$\{(64n^2+128n+60)a(n+1)+(4n^2+10n+6)a(n+2)$$
$$+(-5n^2-15n-10)a(n+3), a(0)=0, a(1)=1, a(2)=0\}$$

Sequence: A112522
Score: 5.27905
Type of gen. func.: ogf

$$(8x^{10}+4x^9-2x^8-15x^7+15x^6+16x^5-10x^4-10x^3+14x^2+3x+1)$$
$$\Big/ \left((4x^2+1)(x^4-x^2+1)(x^2+1)\right)$$

Sequence: A112523
Score: 7.78592
Type of gen. func.: ogf

$$-\frac{x(4x^6-4x^5-3x^4+5x^3+4x^2-3x-1)}{(4x^2+1)(x^2+1)(x^4-x^2+1)}$$

Sequence: A112524
Score: 10.0797
Type of gen. func.: ogf

$$\frac{x^3-3x^2+5x+1}{(x-1)^4}$$

Sequence: A112524
Score: 18.1258
Type of gen. func.: lgdogf

$$-\frac{x^3 - 3x^2 + 9x + 9}{(x - 1)(x^3 - 3x^2 + 5x + 1)}$$

Sequence: A112524
Score: 4.19533
Type of gen. func.: ogf

$$\{(7n^2 + 48n + 68)a(n + 1) + (-22n^2 - 150n - 239)a(n + 2)$$

$$+ (15n^2 + 78n + 99)a(n + 3), a(0) = 1, a(1) = 9, a(2) = 27\}$$

Sequence: A112524
Score: 5.42753
Type of gen. func.: ogf

$$(2608 f(x) + 3681)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x + 3 x^2 + f(x) - 5 x - 1)$$

Sequence: A112525
Score: 12.8304
Type of gen. func.: ogf

$$-\frac{1}{100x^3 + 100x^2 - 1}$$

Sequence: A112525
Score: 14.7822
Type of gen. func.: lgdogf

$$-\frac{100x(2 + 3x)}{100x^3 + 100x^2 - 1}$$

```
------------------------------------------------------------------------------

Sequence:  A112525
Score: 5.31361
Type of gen. func.: ogf


     {-a(n + 3) + 100 a(n + 1) + 100 a(n), a(0) = 1, a(1) = 0, a(2) = 100}



------------------------------------------------------------------------------

Sequence:  A112525
Score: 5.84497
Type of gen. func.: ogf


                                         3             2
            (9601 f(x) + 399) (100 f(x) x  + 100 f(x) x  - f(x) + 1)



------------------------------------------------------------------------------

Sequence:  A112533
Score: 6.08904
Type of gen. func.: ogf


                             5        3        2
                      54675 x  - 432 x  + 108 x  + 49 x + 4
               - ------------------------------------------------
                      2            2                  2
                 (27 x  - 1) (27 x  + 6 x + 1) (27 x  - 6 x + 1)



------------------------------------------------------------------------------

Sequence:  A112553
Score: 11.6896
Type of gen. func.: ogf


                                          1
                             ---------------------
                               2         2
                             (x  + 1) (x  - x + 1)



------------------------------------------------------------------------------

Sequence:  A112553
Score: 12.7880
Type of gen. func.: ogf_with_Euler_transform]


                              5    3    2
                             x  + x  - x  - 2 x + 1



------------------------------------------------------------------------------

Sequence:  A112553
Score: 18.3129
```

Type of gen. func.: lgdogf

$$-\frac{4x^3-3x^2+4x-1}{(x^2+1)(x^2-x+1)}$$

Sequence: A112553
Score: 4.34735
Type of gen. func.: ogf

$$(109 f(x)+693)(f(x) x^4-f(x) x^3+2 f(x) x^2-f(x) x+f(x)-1)$$

Sequence: A112556
Score: 5.13271
Type of gen. func.: ogf

$$4 f(x)^2 x^4-f(x)^2 x^3-12 f(x)^2 x^2+16 f(x) x^3+11 f(x)^2 x-4 f(x) x^2+x^3$$
$$-2 f(x)^2-16 f(x) x+12 x^2+4 f(x)+5 x-2$$

Sequence: A112575
Score: 15.1647
Type of gen. func.: ogf

$$\frac{x}{x^4-2x^3+x^2-2x+1}$$

Sequence: A112575
Score: 17.0326
Type of gen. func.: lgdogf

$$-\frac{2(2x^3-3x^2+x-1)}{x^4-2x^3+x^2-2x+1}$$

Sequence: A112575
Score: 6.46208

Type of gen. func.: ogf

$$-(11 f(x) + 5) (f(x) x^{4} - 2 f(x) x^{3} + f(x) x^{2} - 2 f(x) x + f(x) - x)$$

Sequence: A112576
Score: 13.9337
Type of gen. func.: ogf

$$\frac{x}{x^{4} + x^{3} - 3 x^{2} - x + 1}$$

Sequence: A112576
Score: 16.3989
Type of gen. func.: lgdogf

$$-\frac{(x - 1) (4 x^{2} + 7 x + 1)}{x^{4} + x^{3} - 3 x^{2} - x + 1}$$

Sequence: A112576
Score: 5.59631
Type of gen. func.: ogf

$$-(29 f(x) - 9) (f(x) x^{4} + f(x) x^{3} - 3 f(x) x^{2} - f(x) x + f(x) - x)$$

Sequence: A112577
Score: 13.6712
Type of gen. func.: ogf

$$\frac{x}{(x^{2} + 2 x - 1) (x^{2} - x - 1)}$$

Sequence: A112577
Score: 16.6109
Type of gen. func.: lgdogf

3   2

$$-\frac{4 x + 3 x - 8 x - 1}{(x^2 + 2 x - 1) (x^2 - x - 1)}$$

Sequence: A112577
Score: 6.08883
Type of gen. func.: ogf

$$(715 f(x) + 8) (f(x) x^4 + f(x) x^3 - 4 f(x) x^2 - f(x) x + f(x) - x)$$

Sequence: A112598
Score: 8.79412
Type of gen. func.: ogf

$$\frac{x^9 - 5 x^8 + x^7 + 4 x^6 - x^5 + x^4 + x^2 - x + 1}{(x - 1)^2}$$

Sequence: A112598
Score: 9.17313
Type of gen. func.: lgdogf

$$\frac{7 x^9 - 39 x^8 + 45 x^7 + 9 x^6 - 27 x^5 + 7 x^4 - 4 x^3 - x - 1}{(x - 1) (x^9 - 5 x^8 + x^7 + 4 x^6 - x^5 + x^4 + x^2 - x + 1)}$$

Sequence: A112603
Score: 13.9332
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^2 - x + 3}{-x^3 - x^2 - x - 1}$$

Sequence: A112604
Score: 7.64077
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^{8}+x^{6}-x^{4}+x^{3}-2x^{2}-x}{x^{9}+x^{6}+x^{3}+1}$$

Sequence: A112605
Score: 8.30526
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^{6}+x^{4}+x^{3}-x^{2}-x+2}{-x^{7}-x^{6}-x-1}$$

Sequence: A112606
Score: 5.47893
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^{18}-x^{17}+x^{11}-3x^{6}-2x^{5}-1}{x^{19}+x^{18}+x^{13}+x^{12}+x^{7}+x^{6}+x+1}$$

Sequence: A112607
Score: 10.0292
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^{12}-x^{11}-1}{x^{13}+x^{12}+x+1}$$

Sequence: A112608
Score: 5.61042
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^{8}-x^{5}-3x^{4}+x^{3}-x^{2}-2x}{x^{9}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+1}$$

Sequence: A112609

Score: 9.41603
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^6 - x^3 - x^2}{x^7 + x^4 + x^3 + 1}$$

Sequence: A112610
Score: 13.9850
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4x^2 - 2x + 6}{-x^3 - x^2 - x - 1}$$

Sequence: A112611
Score: 4.7973
Type of gen. func.: ogf

$$(3991 f(x) + 7844)$$

$$(225 f(x) x^4 - 45 f(x) x^3 + 60 x^3 - 5 f(x) x - 4 x^2 + f(x) - 4 x)$$

Sequence: A112611
Score: 7.97822
Type of gen. func.: lgdogf

$$-\frac{6 (1125 x^5 - 225 x^4 - 135 x^3 + 35 x^2 - 5 x + 1)}{(5 x - 1) (15 x^2 - x - 1) (45 x^3 - 1)}$$

Sequence: A112611
Score: 8.69075
Type of gen. func.: ogf

$$-\frac{4 x (15 x^2 - x - 1)}{(5 x - 1) (45 x^3 - 1)}$$

Sequence: A112627
Score: 10.8000
Type of gen. func.: lgdogf

$$-\frac{64 x^3 + 16 x^2 - 32 x - 3}{(x - 1) (4 x - 1) (2 x + 1) (1 + 4 x)}$$

Sequence: A112627
Score: 14.0395
Type of gen. func.: ogf

$$\frac{2 x + 1}{(x - 1) (4 x - 1) (1 + 4 x)}$$

Sequence: A112627
Score: 6.71452
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - 16 a(n + 1) + 16 a(n), a(0) = 1, a(1) = 3, a(2) = 19}

Sequence: A112627
Score: 7.08412
Type of gen. func.: ogf

$$(612 f(x) + 259) (16 f(x) x^3 - 16 f(x) x^2 - f(x) x + f(x) - 2 x - 1)$$

Sequence: A112641
Score: 8.09891
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A112651
Score: 14.2275
Type of gen. func.: ogf

$$\frac{x (10 x + 1)}{}$$

$$(x-1)^2\,(1+x)$$

Sequence: A112651
Score: 21.3979
Type of gen. func.: lgdogf

$$-\frac{20\,x^2+13\,x+11}{(x-1)\,(10\,x+1)\,(1+x)}$$

Sequence: A112651
Score: 7.17563
Type of gen. func.: ogf

$$(4741\,f(x)+59296)\,(f(x)\,x^3-f(x)\,x^2-f(x)\,x-10\,x^2+f(x)-x)$$

Sequence: A112651
Score: 7.36783
Type of gen. func.: ogf

$$\{a(n+3)-a(n+2)-a(n+1)+a(n),\ a(0)=0,\ a(1)=1,\ a(2)=11\}$$

Sequence: A112652
Score: 11.7132
Type of gen. func.: ogf

$$\frac{x\,(3\,x^2+2\,x+1)}{(x^2+1)\,(x-1)^2}$$

Sequence: A112652
Score: 17.5568
Type of gen. func.: lgdogf

$$-\frac{2\,(1+x)\,(3\,x^3+x+2)}{(x-1)\,(x^2+1)\,(3\,x^2+2\,x+1)}$$

Sequence: A112652
Score: 4.38493
Type of gen. func.: ogf

$$\{(3 n + 8) a(n + 1) + (-3 n - 5) a(n + 2) + (3 n + 8) a(n + 3) + (-3 n - 5) a(n + 4), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 9\}$$

Sequence: A112652
Score: 6.24133
Type of gen. func.: ogf

$$(156 f(x) + 863) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - 3 x^3 - 2 f(x) x - 2 x^2 + f(x) - x)$$

Sequence: A112653
Score: 14.0947
Type of gen. func.: ogf

$$\frac{x (12 x + 1)}{(x - 1)^2 (1 + x)}$$

Sequence: A112653
Score: 21.1967
Type of gen. func.: lgdogf

$$- \frac{24 x^2 + 15 x + 13}{(x - 1) (12 x + 1) (1 + x)}$$

Sequence: A112653
Score: 7.04738
Type of gen. func.: ogf

$$(9997 f(x) + 143995) (f(x) x^3 - f(x) x^2 - f(x) x - 12 x^2 + f(x) - x)$$

Sequence: A112653

Score: 7.29906
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 13\}$$

Sequence: A112654
Score: 12.7435
Type of gen. func.: ogf

$$\frac{x (x^{2} + 9 x + 1)}{(x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A112654
Score: 14.8391
Type of gen. func.: lgdogf

$$- \frac{2 (x^{4} + 14 x^{3} + 7 x^{2} + 6 x + 5)}{(x - 1) (x^{2} + x + 1) (x^{2} + 9 x + 1)}$$

Sequence: A112654
Score: 5.02018
Type of gen. func.: ogf

$$\{(-3 - n) a(n + 1) - a(n + 2) - a(n + 3) + (n + 2) a(n + 4), a(0) = 0, a(1) = 1,$$
$$a(2) = 10, a(3) = 11\}$$

Sequence: A112654
Score: 6.78959
Type of gen. func.: ogf

$$-(49 f(x) + 475) (f(x) x^{4} - f(x) x^{3} - x^{3} - f(x) x - 9 x^{2} + f(x) - x)$$

Sequence: A112655
Score: 12.5580
Type of gen. func.: ogf

2

$$\frac{x\ (x\ \ +11\,x+1)}{(x^{2}+x+1)\,(x-1)^{2}}$$

Sequence: A112655
Score: 14.5839
Type of gen. func.: lgdogf

$$-\frac{2\,(x^{4}+17\,x^{3}+8\,x^{2}+7\,x+6)}{(x-1)\,(x^{2}+11\,x+1)\,(x^{2}+x+1)}$$

Sequence: A112655
Score: 5.02318
Type of gen. func.: ogf

$\{(-3-n)\,a(n+1)-a(n+2)-a(n+3)+(n+2)\,a(n+4),\ a(0)=0,\ a(1)=1,$

$a(2)=12,\ a(3)=13\}$

Sequence: A112655
Score: 6.6306
Type of gen. func.: ogf

$$-(223\,f(x)+2621)\,(f(x)\,x^{4}-f(x)\,x^{3}-x^{3}-f(x)\,x-11\,x^{2}+f(x)-x)$$

Sequence: A112657
Score: 12.9426
Type of gen. func.: revogf

$$\frac{(-5\,x-1+3\,(9\,x^{2}+2\,x+1)^{1/2})\,x}{2\,(7\,x^{2}+x+1)}$$

Sequence: A112657
Score: 6.96834
Type of gen. func.: ogf

$$-7\,f(x)^{2}\,x^{2}-5\,f(x)^{2}\,x+2\,f(x)^{2}-f(x)\,x-f(x)-1$$

Sequence: A112657
Score: 9.70693
Type of gen. func.: lgdogf

$$\frac{-42 x^2 - x + 5 + 3 (-(1 + x) (-1 + 3 x))^{1/2}}{2 (7 x - 2) (-1 + 3 x) (1 + x)}$$

Sequence: A112667
Score: 10.5067
Type of gen. func.: lgdogf

$$\frac{45 x^6 + 10 x^5 - 5 x^4 - 58 x^3 - 47 x^2 - 32 x + 88}{(x - 1) (9 x^6 + 16 x^5 + 25 x^4 + 21 x^3 + 16 x^2 + 9 x - 97)}$$

Sequence: A112667
Score: 12.0136
Type of gen. func.: ogf

$$\frac{9 x^6 + 16 x^5 + 25 x^4 + 21 x^3 + 16 x^2 + 9 x - 97}{x - 1}$$

Sequence: A112685
Score: 12.0762
Type of gen. func.: lgdogf

$$- \frac{8 x^4 - 4 x^3 - 11 x^2 - 2 x - 1}{(2 x + 1) (4 x^2 - x - 1) (x^2 + 2 x - 1)}$$

Sequence: A112685
Score: 12.9528
Type of gen. func.: ogf

$$\frac{4 x^2 - x - 1}{}$$

$$(2 x + 1) (x^2 + 2 x - 1)$$

Sequence: A112685
Score: 7.61141
Type of gen. func.: ogf

$$-(9 f(x) - 8) (2 f(x) x^3 + 5 f(x) x^2 - 4 x^2 - f(x) + x + 1)$$

Sequence: A112685
Score: 7.85434
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A112689
Score: 14.4652
Type of gen. func.: ogf

$$\frac{x}{(x^2 + x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A112689
Score: 20.2454
Type of gen. func.: lgdogf

$$- \frac{6 x^4 + x^3 + 5 x^2 - x + 1}{(x - 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A112689
Score: 28.4194
Type of gen. func.: ogf_with_Euler_transform]

$$x^3 + x^2 - x + 1$$

Sequence: A112690
Score: 14.3794
Type of gen. func.: ogf

$$-\frac{x}{(x^2+x+1)(x^2+1)(x-1)}$$

Sequence: A112690
Score: 21.3046
Type of gen. func.: ogf_with_Euler_transform]

$$x(x^2+x-1)$$

Sequence: A112690
Score: 24.2614
Type of gen. func.: lgdogf

$$-\frac{x(5x^3+3x-2)}{(x-1)(x^2+1)(x^2+x+1)}$$

Sequence: A112690
Score: 6.84069
Type of gen. func.: ogf

$$-(f(x)-2)(f(x)x^5+f(x)x^3-f(x)x^2-f(x)+x)$$

Sequence: A112691
Score: 10.5662
Type of gen. func.: ogf

$$-\frac{4x^6-5x^4-2x^3+5x^2-1}{(x-1)(2x+1)(2x-1)(1+x)}$$

Sequence: A112696
Score: 3.84047
Type of gen. func.: ogf

```
{(-8 n - 20) a(n + 1) + (9 n + 24) a(n + 2) + (-n - 4) a(n + 3), a(0) = 1,

    a(1) = 3, a(2) = 11}



--------------------------------------------------------------------------------

Sequence:  A112696
Score: 6.18519
Type of gen. func.: ogf


                  2  3          2  2         2
            2 f(x)  x  - 4 f(x)  x  + 2 f(x)  x + f(x) x - f(x) + 1



--------------------------------------------------------------------------------

Sequence:  A112697
Score: 3.68530
Type of gen. func.: ogf


{(12 n + 30) a(n + 1) + (-13 n - 34) a(n + 2) + (n + 4) a(n + 3), a(0) = 1,

    a(1) = 4, a(2) = 22}



--------------------------------------------------------------------------------

Sequence:  A112697
Score: 6.01285
Type of gen. func.: ogf


                  2  3          2  2         2
            3 f(x)  x  - 6 f(x)  x  + 3 f(x)  x + f(x) x - f(x) + 1



--------------------------------------------------------------------------------

Sequence:  A112698
Score: 3.50574
Type of gen. func.: ogf


{(16 n + 40) a(n + 1) + (-17 n - 44) a(n + 2) + (n + 4) a(n + 3), a(0) = 1,

    a(1) = 5, a(2) = 37}



--------------------------------------------------------------------------------

Sequence:  A112698
Score: 5.71989
Type of gen. func.: ogf


                  2  3          2  2         2
            4 f(x)  x  - 8 f(x)  x  + 4 f(x)  x + f(x) x - f(x) + 1



--------------------------------------------------------------------------------
```

Sequence: A112699
Score: 3.29018
Type of gen. func.: ogf

{(20 n + 50) a(n + 1) + (-21 n - 54) a(n + 2) + (n + 4) a(n + 3), a(0) = 1,

a(1) = 6, a(2) = 56}

Sequence: A112699
Score: 5.31227
Type of gen. func.: ogf

$$5 f(x)^2 x^3 - 10 f(x)^2 x^2 + 5 f(x)^2 x + f(x) x - f(x) + 1$$

Sequence: A112700
Score: 3.52781
Type of gen. func.: ogf

{(24 n + 60) a(n + 1) + (-25 n - 64) a(n + 2) + (n + 4) a(n + 3), a(0) = 1,

a(1) = 7, a(2) = 79}

Sequence: A112700
Score: 5.69594
Type of gen. func.: ogf

$$6 f(x)^2 x^3 - 12 f(x)^2 x^2 + 6 f(x)^2 x + f(x) x - f(x) + 1$$

Sequence: A112701
Score: 3.65048
Type of gen. func.: ogf

{(-28 n - 70) a(n + 1) + (29 n + 74) a(n + 2) + (-n - 4) a(n + 3), a(0) = 1,

a(1) = 8, a(2) = 106}

Sequence: A112701
Score: 5.93204
Type of gen. func.: ogf

$$7 f(x)^2 x^3 - 14 f(x)^2 x^2 + 7 f(x)^2 x + f(x) x - f(x) + 1$$

Sequence: A112702
Score: 3.79578
Type of gen. func.: ogf

{(-32 n - 80) a(n + 1) + (33 n + 84) a(n + 2) + (-n - 4) a(n + 3), a(0) = 1,

a(1) = 9, a(2) = 137}

Sequence: A112702
Score: 6.16814
Type of gen. func.: ogf

$$8 f(x)^2 x^3 - 16 f(x)^2 x^2 + 8 f(x)^2 x + f(x) x - f(x) + 1$$

Sequence: A112703
Score: 3.37303
Type of gen. func.: ogf

{(-36 n - 90) a(n + 1) + (37 n + 94) a(n + 2) + (-n - 4) a(n + 3), a(0) = 1,

a(1) = 10, a(2) = 172}

Sequence: A112703
Score: 5.5163
Type of gen. func.: ogf

$$9 f(x)^2 x^3 - 18 f(x)^2 x^2 + 9 f(x)^2 x + f(x) x - f(x) + 1$$

Sequence: A112704
Score: 3.43522
Type of gen. func.: ogf

{(-40 n - 100) a(n + 1) + (41 n + 104) a(n + 2) + (-n - 4) a(n + 3), a(0) = 1,

a(1) = 11, a(2) = 211}

Sequence: A112704
Score: 5.57347
Type of gen. func.: ogf

$$10 f(x)^{2} x^{3} - 20 f(x)^{2} x^{2} + 10 f(x)^{2} x + f(x) x - f(x) + 1$$

Sequence: A112710
Score: 16.9623
Type of gen. func.: revogf

$$-\frac{-1 - x - 6 x^{2} + (13 x^{2} + 2 x + 1)^{1/2}}{6 x^{2}}$$

Sequence: A112710
Score: 4.47839
Type of gen. func.: ogf

$\{(12 n + 30) a(n + 1) + (-11 n - 26) a(n + 2) + (-n - 4) a(n + 3), a(0) = 1,$

$a(1) = -2, a(2) = 16\}$

Sequence: A112710
Score: 7.30685
Type of gen. func.: ogf

$$-3 f(x)^{2} x^{3} + 6 f(x)^{2} x^{2} - 3 f(x)^{2} x + f(x) x - f(x) + 1$$

Sequence: A112711
Score: 10.3529
Type of gen. func.: lgdogf

$$-\frac{-x + 1 + 3 (16 x + 1)^{1/2} x - (16 x + 1)^{1/2}}{2 (16 x + 1)^{1/2} x (x - 1)}$$

Sequence: A112711
Score: 16.7618
Type of gen. func.: revogf

$$-\frac{-1 - x - 8 x^{2} + (17 x^{2} + 2 x + 1)^{1/2}}{}$$

$$8 x^2$$

Sequence: A112711
Score: 4.42595
Type of gen. func.: ogf

{(-16 n - 40) a(n + 1) + (15 n + 36) a(n + 2) + (n + 4) a(n + 3), a(0) = 1,

a(1) = -3, a(2) = 29}

Sequence: A112711
Score: 7.22129
Type of gen. func.: ogf

$$-4 f(x)^2 x^3 + 8 f(x)^2 x^2 - 4 f(x)^2 x + f(x) x - f(x) + 1$$

Sequence: A112712
Score: 6.23600
Type of gen. func.: ogf

$$\frac{x}{(x^2 + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A112712
Score: 9.50720
Type of gen. func.: lgdogf

$$-\frac{6 x^5 - 5 x^4 + 8 x^3 - 6 x^2 + 4 x - 1}{(x^2 + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A112712
Score: 9.84576
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 - x^4 + x^3 - 2 x + 1$$

Sequence: A112713
Score: 13.7994
Type of gen. func.: ogf

$$-\frac{x}{(x-1)(1+x)(x^4-x^3+x^2-x+1)}$$

Sequence: A112713
Score: 17.1376
Type of gen. func.: lgdogf

$$-\frac{6x^5-5x^4+1}{(x-1)(1+x)(x^4-x^3+x^2-x+1)}$$

Sequence: A112713
Score: 21.3597
Type of gen. func.: ogf_with_Euler_transform]

$$x^9-x^4+1$$

Sequence: A112742
Score: 33.4831
Type of gen. func.: lgdogf

$$-\frac{2(2x+3)}{(x-1)(1+x)}$$

Sequence: A112742
Score: 35.1526
Type of gen. func.: ogf_with_Euler_transform]

$$[6-x]$$

Sequence: A112742
Score: 5.63523
Type of gen. func.: ogf

{(n + 1) a(n + 3) - 6 a(n + 2) + (-3 - n) a(n + 1), a(0) = 0, a(1) = 0,

a(2) = 4}

Sequence: A112742
Score: 9.41582
Type of gen. func.: ogf

$$-\frac{4 x^{2} (1 + x)}{(x - 1)^{5}}$$

Sequence: A112765
Score: 7.79690
Type of gen. func.: ogf

$$-\frac{x^{4} (2 x^{20} + x^{15} + x^{10} + x^{5} + 1)}{(x - 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{20} + x^{15} + x^{10} + x^{5} + 1)}$$

Sequence: A112802
Score: 7.87706
Type of gen. func.: ogf

$$-\frac{x^{82}}{x^{24} - x^{21} + x^{20} + x^{15} + x^{6} - 1}$$

Sequence: A112803
Score: 9.28538
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{6} + 2 x^{5} - x^{4} + x^{2} - 2 x + 1}{-x^{8} - x^{6} - x^{4} - x^{2} - 1}$$

Sequence: A112805
Score: 9.37319

Type of gen. func.: ogf

$$-f(x)^3 x^4 + f(x)^2 x^4 - f(x) x + f(x) - 1$$

Sequence: A112806
Score: 12.9241
Type of gen. func.: revogf

$$\frac{(1 - x + x^2 + ((x^2 + x + 1) (x^2 - 3 x + 1))^{1/2}) x}{2}$$

Sequence: A112814
Score: 10.2090
Type of gen. func.: lgdogf

$$\frac{10060 x^6 - 22635 x^5 + 12575 x^4 - 104 x + 106}{(x - 1) (2515 x^6 - 2515 x^5 + 104 x - 105)}$$

Sequence: A112814
Score: 11.2836
Type of gen. func.: ogf

$$- \frac{2515 x^6 - 2515 x^5 + 104 x - 105}{(x - 1)^2}$$

Sequence: A112818
Score: 8.54151
Type of gen. func.: lgdogf

$$\frac{136090 x^7 - 299398 x^6 + 163308 x^5 - 155 x + 157}{(x - 1) (27218 x^7 - 27218 x^6 + 155 x - 156)}$$

Sequence: A112818
Score: 9.78938

Type of gen. func.: ogf

$$-\frac{27218 x^{7} - 27218 x^{6} + 155 x - 156}{(x - 1)^{2}}$$

Sequence: A112819
Score: 3.72567
Type of gen. func.: ogf

{a(n + 4) - 2 a(n + 3) + a(n + 2), a(0) = 20, a(1) = 24, a(2) = 529, a(3) = 530

    }

Sequence: A112819
Score: 6.67284
Type of gen. func.: ogf

$$-\frac{504 x^{3} - 501 x^{2} + 16 x - 20}{(x - 1)^{2}}$$

Sequence: A112819
Score: 7.10193
Type of gen. func.: lgdogf

$$\frac{2 (252 x^{3} - 756 x^{2} + 493 x + 12)}{(x - 1) (504 x^{3} - 501 x^{2} + 16 x - 20)}$$

Sequence: A112820
Score: 9.91604
Type of gen. func.: ogf

$$-\frac{79218 x^{18} - 79218 x^{17} + 271 x - 272}{(x - 1)^{2}}$$

Sequence: A112821
Score: 2.33094
Type of gen. func.: ogf

$$(f(x) + 58825) (f(x) x^2 - 2 f(x) x + f(x) + 342 x - 343)$$

Sequence: A112821
Score: 4.42404
Type of gen. func.: ogf

$$-\frac{342 x - 343}{(x - 1)^2}$$

Sequence: A112821
Score: 6.03577
Type of gen. func.: lgdogf

$$-\frac{2 (-172 + 171 x)}{(x - 1) (342 x - 343)}$$

Sequence: A112831
Score: 13.7962
Type of gen. func.: ogf

$$-\frac{5 x - 1}{9 x^2 - 7 x + 1}$$

Sequence: A112831
Score: 14.4830
Type of gen. func.: revogf

$$-\frac{-1 - 7 x + (13 x^2 - 6 x + 1)^{1/2}}{2 (5 + 9 x)}$$

Sequence: A112831
Score: 16.0075
Type of gen. func.: lgdogf

$$-\frac{45 x^2 - 18 x + 2}{(5 x - 1) (9 x^2 - 7 x + 1)}$$

Sequence: A112831
Score: 7.30386
Type of gen. func.: ogf

$$(f(x) - 2) (9 f(x) x^2 - 7 f(x) x + f(x) + 5 x - 1)$$

Sequence: A112831
Score: 7.57106
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) + 9 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A112832
Score: 5.17595
Type of gen. func.: ogf

$$(7562 f(x) + 2341)$$

$$(f(x) x^4 - 4 f(x) x^3 + x^3 + 4 f(x) x - 3 x^2 - f(x) - 2 x + 1)$$

Sequence: A112832
Score: 8.02683
Type of gen. func.: lgdogf

$$-\frac{x^6 - 6 x^5 + 6 x^4 + 12 x^3 + 3 x^2 - 6 x + 2}{(x - 1) (1 + x) (x^3 - 3 x^2 - 2 x + 1) (x^2 - 4 x + 1)}$$

Sequence: A112832
Score: 9.37674
Type of gen. func.: ogf

$$-\frac{x^3 - 3 x^2 - 2 x + 1}{}$$

$$(x-1)(1+x)(x^2-4x+1)$$

Sequence: A112835
Score: 6.22973
Type of gen. func.: ogf

$$-\frac{(1+x)(x^6-2x^4+x^3-2x^2-x-1)}{x^8-2x^6-2x^4-2x^2+1}$$

Sequence: A112848
Score: 5.84067
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^{11}-x^{10}-2x^9+x^8-x^7+x^6+x^4-x^3-x^2-2x-1}{x^{12}-x^9+x^3-1}$$

Sequence: A112849
Score: 4.80056
Type of gen. func.: ogf

$$-4f(x)^2x^4+9f(x)^2x^3-8f(x)x^4-6f(x)^2x^2+6f(x)x^3-4x^4+f(x)^2x$$
$$+7f(x)x^2-3x^3-6f(x)x+4x^2+f(x)+x-1$$

Sequence: A112851
Score: 38.0536
Type of gen. func.: ogf_with_Euler_transform]

$$[7-x]$$

Sequence: A112851
Score: 39.9007
Type of gen. func.: lgdogf

$$-\frac{5x+7}{(x-1)(1+x)}$$

Sequence: A112851
Score: 6.10027
Type of gen. func.: ogf

$$\{(n + 1) a(n + 3) - 7 a(n + 2) + (-n - 4) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 3\}$$

Sequence: A112851
Score: 9.15040
Type of gen. func.: ogf

$$\frac{3 x^2 (1 + x)}{(x - 1)^6}$$

Sequence: A112865
Score: 4.76303
Type of gen. func.: ogf

$$(x - 1) (x^2 + 1) (2 x^{48} - x^{32} + x^{16} - 1) / ((x^4 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x^8 - x^4 + 1) (x^{16} - x^8 + 1))$$

Sequence: A112884
Score: 2.78967
Type of gen. func.: ogf

$$-(107 f(x) - 70) (2 f(x) x^4 - 3 f(x) x^3 - f(x) x^2 + 2 x^3 + 3 f(x) x - f(x) - 3 x + 2)$$

Sequence: A112884
Score: 5.39489
Type of gen. func.: lgdogf

$$- \frac{4 x^5 + 4 x^4 - 12 x^3 + 10 x^2 + x - 3}{}$$

$$(x-1)(2x-1)(1+x)(2x^3-3x+2)$$

Sequence: A112884
Score: 5.49846
Type of gen. func.: ogf

$$-\frac{2x^3-3x+2}{(1+x)(2x-1)(x-1)^2}$$

Sequence: A112958
Score: 5.21283
Type of gen. func.: lgdegf]

$$-2-x^3+(2x^3+6)f(x)+(-x^3-6)f(x)^2+2f(x)^3$$

Sequence: A112959
Score: 11.5962
Type of gen. func.: lgdegf]

$$1-3f(x)+3f(x)^2-f(x)^3$$

Sequence: A112960
Score: 4.86192
Type of gen. func.: ogf

$$-(f(x)-1)(f(x)x-f(x)+1)^2$$

Sequence: A112982
Score: 3.14227
Type of gen. func.: ogf

$$(f(x)x-f(x)+1)^2$$

Sequence: A112986

Score: 11.9107
Type of gen. func.: lgdogf

$$-\frac{20x^5+15x^4+19x^3+40x^2+9x+5}{(x-1)(x^2+x+1)(5x^3+2x^2+2x+3)}$$

Sequence: A112986
Score: 9.26426
Type of gen. func.: ogf

$$-\frac{x^3(5x^3+2x^2+2x+3)}{(x^2+x+1)^2(x-1)^3}$$

Sequence: A113010
Score: 4.24146
Type of gen. func.: ogf

$$-(1022x^{19}+510x^{18}+254x^{17}+126x^{16}+62x^{15}+30x^{14}+14x^{13}+6x^{12}+2x^{11}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)\;/\;(2x^{10}-1)$$

Sequence: A113019
Score: 4.46053
Type of gen. func.: ogf

$$-(511x^{18}+255x^{17}+127x^{16}+63x^{15}+31x^{14}+15x^{13}+7x^{12}+3x^{11}+x^{10}+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)\;/\;((x-1)(x^2+x+1)(x^6+x^3+1))$$

Sequence: A113021
Score: 14.7239
Type of gen. func.: ogf

$$x^2$$

```
- ------------------------
   4    3      2
  x  + x  - 2 x  + 2 x - 1
```

Sequence: A113021
Score: 17.9710
Type of gen. func.: lgdogf

$$-\frac{4 x^{3} + 3 x^{2} - 4 x + 2}{x^{4} + x^{3} - 2 x^{2} + 2 x - 1}$$

Sequence: A113021
Score: 6.24293
Type of gen. func.: ogf

$$-(7 f(x) - 2) (f(x) x^{4} + f(x) x^{3} - 2 f(x) x^{2} + 2 f(x) x + x^{2} - f(x))$$

Sequence: A113022
Score: 3.00594
Type of gen. func.: ogf

$$\frac{x^{2} + 7 x - 4}{(5 x - 1) (x - 1)^{2}}$$

Sequence: A113022
Score: 7.0496
Type of gen. func.: ogf

$$(170672 f(x) + 63817) (5 f(x) x^{3} - 11 f(x) x^{2} + 7 f(x) x - x^{2} - f(x) - 7 x + 4)$$

Sequence: A113023
Score: 4.08629
Type of gen. func.: ogf

$$-5 f(x) x + f(x) + 7 x - 5$$

Sequence: A113023
Score: 6.52400
Type of gen. func.: lgdogf

$$\frac{18}{(5 x - 1) (7 x - 5)}$$

Sequence: A113032
Score: 11.6268
Type of gen. func.: ogf

$$-\frac{(x - 1)^2}{x^8 + x^3 - 3 x^2 + 3 x - 1}$$

Sequence: A113032
Score: 13.1185
Type of gen. func.: lgdogf

$$-\frac{6 x^8 - 8 x^7 + x^3 - 3 x^2 + 3 x - 1}{(x - 1) (x^8 + x^3 - 3 x^2 + 3 x - 1)}$$

Sequence: A113047
Score: 21.6151
Type of gen. func.: lgdogf

$$\frac{40 x^{39} + 13 x^{12} + 4 x^3 + 1}{x^{40} + x^{13} + x^4 + x + 1}$$

Sequence: A113059
Score: 12.5920
Type of gen. func.: lgdegf]

$$\frac{-x - \exp(x) + \exp(x) x}{x - 1}$$

Sequence: A113060
Score: 18.1029
Type of gen. func.: lgdegf]

$$\frac{\exp(x)\,x - \exp(x) - 2 + x}{x - 1}$$

Sequence: A113066
Score: 11.0416
Type of gen. func.: ogf

$$\frac{(x + 1)^2}{(x^2 + x + 1)\,(x^2 + 3\,x + 1)}$$

Sequence: A113066
Score: 14.8015
Type of gen. func.: lgdogf

$$-\frac{2\,(x^4 + 4\,x^3 + 6\,x^2 + 3\,x + 1)}{(x + 1)\,(x^2 + x + 1)\,(x^2 + 3\,x + 1)}$$

Sequence: A113066
Score: 5.68558
Type of gen. func.: ogf

$-(47\,f(x) + 1)$

$$(f(x)\,x^4 + 4\,f(x)\,x^3 + 5\,f(x)\,x^2 + 4\,f(x)\,x - x^2 + f(x) - 2\,x - 1)$$

Sequence: A113067
Score: 15.4789
Type of gen. func.: ogf

$$-\frac{x}{(x^2 + x + 1)\,(x^2 + 3\,x + 1)}$$

Sequence: A113067
Score: 18.1655
Type of gen. func.: lgdogf

$$-\frac{2 (x + 2) (2 x^2 + 2 x + 1)}{(x^2 + x + 1) (x^2 + 3 x + 1)}$$

Sequence: A113067
Score: 6.37367
Type of gen. func.: ogf

$$(94 f(x) + 19) (f(x) x^4 + 4 f(x) x^3 + 5 f(x) x^2 + 4 f(x) x + f(x) + x)$$

Sequence: A113070
Score: 13.3421
Type of gen. func.: ogf

$$\frac{(x + 1)^2}{(2 x - 1)^2}$$

Sequence: A113070
Score: 43.3540
Type of gen. func.: lgdogf

$$-\frac{6}{(x + 1) (2 x - 1)}$$

Sequence: A113070
Score: 6.86537
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 6, a(2) = 21\}$$

Sequence: A113070
Score: 7.4435
Type of gen. func.: ogf

$$(11 f(x) + 53) (4 f(x) x^2 - 4 f(x) x - x^2 + f(x) - 2 x - 1)$$

Sequence: A113071
Score: 12.0526
Type of gen. func.: ogf

$$\frac{(x + 1)^2}{(3 x - 1)^2}$$

Sequence: A113071
Score: 39.1297
Type of gen. func.: lgdogf

$$- \frac{8}{(x + 1) (3 x - 1)}$$

Sequence: A113071
Score: 6.20183
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 8, a(2) = 40\}$$

Sequence: A113071
Score: 6.8687
Type of gen. func.: ogf

$$(2 f(x) + 7) (9 f(x) x^2 - 6 f(x) x - x^2 + f(x) - 2 x - 1)$$

Sequence: A113116
Score: 3.02618
Type of gen. func.: ogf

$$- \frac{(9 x^2 + 3 x + 1) (2071723 x^3 + 1)}{5363222357 x^6 - 1}$$

Sequence: A113119
Score: 11.7287
Type of gen. func.: ogf

$$\frac{10\,(10\,x^2 - 2\,x + 1)}{(10\,x - 1)^2}$$

Sequence: A113119
Score: 6.33983
Type of gen. func.: ogf

$$\{-a(n + 3) + 20\,a(n + 2) - 100\,a(n + 1),\ a(0) = 10,\ a(1) = 180,\ a(2) = 2700\}$$

Sequence: A113119
Score: 6.96753
Type of gen. func.: ogf

$$(5\,f(x) + 94)\,(100\,f(x)\,x^2 - 20\,f(x)\,x - 100\,x^2 + f(x) + 20\,x - 10)$$

Sequence: A113127
Score: 14.0374
Type of gen. func.: ogf

$$\frac{(x + 1)\,(x^2 + 1)}{(x - 1)^2}$$

Sequence: A113127
Score: 22.1046
Type of gen. func.: lgdogf

$$\frac{x^3 - 3\,x^2 - 3\,x - 3}{(x - 1)\,(x + 1)\,(x^2 + 1)}$$

Sequence: A113127
Score: 34.1077
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^3 + 3]$$

Sequence: A113127
Score: 7.44594
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) + a(n + 2), a(0) = 1, a(1) = 3, a(2) = 6, a(3) = 10\}$$

Sequence: A113127
Score: 8.15507
Type of gen. func.: ogf

$$-(8 f(x) + 1) (f(x) x^2 - x^3 - 2 f(x) x - x^2 + f(x) - x - 1)$$

Sequence: A113142
Score: 17.0517
Type of gen. func.: lgdogf

$$\frac{x^3 + 3 x^2 + 5 x - 5}{(x - 1) (x + 1) (x^2 + 2 x - 1)}$$

Sequence: A113142
Score: 5.02951
Type of gen. func.: ogf

$$\{-a(n + 5) - 2 a(n + 4) - a(n + 3), a(0) = 0, a(1) = 1, a(2) = -5, a(3) = 10, a(4) = -14\}$$

Sequence: A113142
Score: 5.91433
Type of gen. func.: ogf

$$(38 f(x) + 769) (-x^4 + f(x) x^2 - x^3 + 2 f(x) x + 3 x^2 + f(x) - x)$$

Sequence: A113142
Score: 9.82689
Type of gen. func.: ogf

$$\frac{x (x - 1) (x^2 + 2 x - 1)}{(x + 1)^2}$$

Sequence: A113179
Score: 17.3472
Type of gen. func.: lgdogf

$$- \frac{2 (6 x^2 - 2 x + 1)}{8 x^3 - 4 x^2 + 4 x - 1}$$

Sequence: A113179
Score: 3.27439
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (14 + 4 n) a(n + 3) + (-12 - 4 n) a(n + 2)$$

$$+ (20 + 8 n) a(n + 1), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 12\}$$

Sequence: A113179
Score: 8.08491
Type of gen. func.: ogf

$$8 f(x)^2 x^3 - 4 f(x)^2 x^2 + 4 f(x)^2 x - f(x)^2 + 1$$

Sequence: A113180
Score: 17.9218
Type of gen. func.: lgdogf

$$- \frac{2 (8 x^3 - 2 x + 1)}{8 x^4 - 4 x^2 + 4 x - 1}$$

Sequence: A113180
Score: 8.35108
Type of gen. func.: ogf

$$8 f(x)^2 x^4 - 4 f(x)^2 x^2 + 4 f(x)^2 x - f(x)^2 + 1$$

Sequence: A113217
Score: 11.1965
Type of gen. func.: ogf

$$- \frac{x (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A113217
Score: 26.5851
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9 + x^8 + x$$

Sequence: A113217
Score: 8.17376
Type of gen. func.: lgdogf

$$- x (x^{15} + 3 x^{13} + 5 x^{11} + 7 x^9 + 9 x^7 + 8 x^6 + 6 x^4 + 4 x^2 + 2) / ((x - 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^6 + x^3 + 1))$$

Sequence: A113224
Score: 10.5681
Type of gen. func.: ogf

$$\frac{x^2 + 1}{(x - 1) (x + 1) (x^2 + 2 x - 1)}$$

Sequence: A113224

Score: 10.6898

Type of gen. func.: lgdogf

$$-\frac{2\,(x^5+x^4+2\,x^3+4\,x^2-3\,x-1)}{(x-1)\,(x+1)\,(x^2+1)\,(x^2+2\,x-1)}$$

Sequence: A113224

Score: 5.32503

Type of gen. func.: ogf

$$(334\,f(x)+127)\,(f(x)\,x^4+2\,f(x)\,x^3-2\,f(x)\,x^2-2\,f(x)\,x-x^2+f(x)-1)$$

Sequence: A113225

Score: 10.0557

Type of gen. func.: ogf

$$-\frac{x^2+x-1}{(x-1)\,(x+1)\,(x^2+2\,x-1)}$$

Sequence: A113225

Score: 11.3373

Type of gen. func.: lgdogf

$$-\frac{2\,x^5+5\,x^4-6\,x^2+2\,x+1}{(x-1)\,(x+1)\,(x^2+x-1)\,(x^2+2\,x-1)}$$

Sequence: A113225

Score: 5.17794

Type of gen. func.: ogf

$$-(28\,f(x)+1)\,(f(x)\,x^4+2\,f(x)\,x^3-2\,f(x)\,x^2-2\,f(x)\,x+x^2+f(x)+x-1)$$

Sequence: A113235
Score: 15.8346
Type of gen. func.: lgdegf]

$$1 - 2 x + 4 x^{2} - 2 x^{3} + (-x^{2} + 2 x - 1) f(x)$$

Sequence: A113235
Score: 3.34862
Type of gen. func.: egf]

$$\{-2 a(n) + 4 a(n + 1) + (-n - 4) a(n + 2) + (2 n + 7) a(n + 3) + (-n - 4) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 1/2, a(3) = 7/6, a(4) = \frac{49}{24}\}$$

Sequence: A113236
Score: 15.6720
Type of gen. func.: lgdegf]

$$-\frac{3 x^{4} - 6 x^{3} + 3 x^{2} - 1}{(x - 1)^{2}}$$

Sequence: A113237
Score: 17.9744
Type of gen. func.: lgdegf]

$$-\frac{4 x^{5} - 8 x^{4} + 4 x^{3} - 1}{(x - 1)^{2}}$$

Sequence: A113249
Score: 11.5659
Type of gen. func.: ogf

$$-\frac{81 x^{3} + 27 x^{2} - 1}{(3 x - 1) (3 x + 1) (9 x^{2} + 4 x + 1)}$$

Sequence: A113249
Score: 6.38439
Type of gen. func.: ogf

$$(1502 f(x) + 2421) (81 f(x) x^4 + 36 f(x) x^3 + 81 x^3 - 4 f(x) x + 27 x^2 - f(x) - 1)$$

Sequence: A113249
Score: 8.16315
Type of gen. func.: lgdogf

$$- \frac{6561 x^6 + 4374 x^5 + 972 x^4 + 324 x^3 + 243 x^2 + 54 x + 4}{(3 x - 1) (3 x + 1) (9 x^2 + 4 x + 1) (81 x^3 + 27 x^2 - 1)}$$

Sequence: A113250
Score: 10.2460
Type of gen. func.: ogf

$$- \frac{256 x^3 + 48 x^2 - 1}{(4 x - 1) (4 x + 1) (16 x^2 + 4 x + 1)}$$

Sequence: A113250
Score: 5.81973
Type of gen. func.: ogf

$$-(3 f(x) + 8) (256 f(x) x^4 + 64 f(x) x^3 + 256 x^3 - 4 f(x) x + 48 x^2 - f(x) - 1)$$

Sequence: A113250
Score: 7.08154
Type of gen. func.: lgdogf

$$- \frac{4 (16384 x^6 + 6144 x^5 + 768 x^4 + 256 x^3 + 192 x^2 + 24 x + 1)}{(4 x + 1) (4 x - 1) (16 x^2 + 4 x + 1) (256 x^3 + 48 x^2 - 1)}$$

```
------------------------------------------------------------------------------

Sequence:  A113251
Score: 10.4169
Type of gen. func.: ogf

                                    3       2
                               625 x  + 75 x  - 1
                    - --------------------------------------
                                               2
                      (5 x + 1) (5 x - 1) (25 x  + 4 x + 1)


------------------------------------------------------------------------------

Sequence:  A113251
Score: 5.76939
Type of gen. func.: ogf

(19818 f(x) + 71975)

               4             3        3                  2
    (625 f(x) x  + 100 f(x) x  + 625 x  - 4 f(x) x + 75 x  - f(x) - 1)


------------------------------------------------------------------------------

Sequence:  A113251
Score: 7.03291
Type of gen. func.: lgdogf

                  6          5         4         3         2
          390625 x  + 93750 x  + 7500 x  + 2500 x  + 1875 x  + 150 x + 4
        - --------------------------------------------------------------
                                     2                  3       2
            (5 x + 1) (5 x - 1) (25 x  + 4 x + 1) (625 x  + 75 x  - 1)


------------------------------------------------------------------------------

Sequence:  A113252
Score: 4.93203
Type of gen. func.: ogf

-(3779 f(x) + 17784)

                4             3         3                   2
    (1296 f(x) x  + 144 f(x) x  + 1296 x  - 4 f(x) x + 108 x  - f(x) - 1)


------------------------------------------------------------------------------

Sequence:  A113252
Score: 6.09854
Type of gen. func.: lgdogf

                    6          5         4         3        2
         4 (419904 x  + 69984 x  + 3888 x  + 1296 x  + 972 x  + 54 x + 1)
       - ----------------------------------------------------------------
                                    2                   3        2
          (-1 + 6 x) (1 + 6 x) (36 x  + 4 x + 1) (1296 x  + 108 x  - 1)
```

Sequence: A113252
Score: 8.94341
Type of gen. func.: ogf

```
                                     3        2
                               1296 x  + 108 x  - 1
                    - --------------------------------------
                                                2
                      (-1 + 6 x) (1 + 6 x) (36 x  + 4 x + 1)
```

Sequence: A113253
Score: 4.40549
Type of gen. func.: ogf

```
(243994 f(x) + 1459367)

                4             3         3                   2
    (2401 f(x) x  + 196 f(x) x  + 2401 x  - 4 f(x) x + 147 x  - f(x) - 1)
```

Sequence: A113253
Score: 5.35520
Type of gen. func.: lgdogf

```
                 6            5           4          3          2
        5764801 x  + 705894 x  + 28812 x  + 9604 x  + 7203 x  + 294 x + 4
      - ------------------------------------------------------------------
                                   2                   3        2
          (7 x + 1) (7 x - 1) (49 x  + 4 x + 1) (2401 x  + 147 x  - 1)
```

Sequence: A113253
Score: 7.98861
Type of gen. func.: ogf

```
                                    3       2
                              2401 x  + 147 x  - 1
                    - -------------------------------------
                                               2
                      (7 x + 1) (7 x - 1) (49 x  + 4 x + 1)
```

Sequence: A113254
Score: 4.76187
Type of gen. func.: ogf

```
-(149 f(x) + 1112)
```

$$(4096 f(x) x^4 + 256 f(x) x^3 + 4096 x^3 - 4 f(x) x + 192 x^2 - f(x) - 1)$$

Sequence: A113254
Score: 5.62356
Type of gen. func.: lgdogf

$$- \frac{4 (4194304 x^6 + 393216 x^5 + 12288 x^4 + 4096 x^3 + 3072 x^2 + 96 x + 1)}{(8 x + 1) (8 x - 1) (64 x^2 + 4 x + 1) (4096 x^3 + 192 x^2 - 1)}$$

Sequence: A113254
Score: 8.50787
Type of gen. func.: ogf

$$- \frac{4096 x^3 + 192 x^2 - 1}{(8 x + 1) (8 x - 1) (64 x^2 + 4 x + 1)}$$

Sequence: A113255
Score: 4.84093
Type of gen. func.: ogf

$$(4012046 f(x) + 36710901)$$

$$(6561 f(x) x^4 + 324 f(x) x^3 + 6561 x^3 - 4 f(x) x + 243 x^2 - f(x) - 1)$$

Sequence: A113255
Score: 5.76102
Type of gen. func.: lgdogf

$$- \frac{43046721 x^6 + 3188646 x^5 + 78732 x^4 + 26244 x^3 + 19683 x^2 + 486 x + 4}{(9 x + 1) (9 x - 1) (81 x^2 + 4 x + 1) (6561 x^3 + 243 x^2 - 1)}$$

Sequence: A113255
Score: 8.90731
Type of gen. func.: ogf

$$-\frac{6561 x^3 + 243 x^2 - 1}{(9 x + 1) (9 x - 1) (81 x^2 + 4 x + 1)}$$

Sequence: A113256
Score: 4.90016
Type of gen. func.: ogf

$$-(41537 f(x) + 458600)$$

$$(10000 f(x) x^4 + 400 f(x) x^3 + 10000 x^3 - 4 f(x) x + 300 x^2 - f(x) - 1)$$

Sequence: A113256
Score: 5.64769
Type of gen. func.: lgdogf

$$-\frac{4 (25000000 x^6 + 1500000 x^5 + 30000 x^4 + 10000 x^3 + 7500 x^2 + 150 x + 1)}{(10 x + 1) (10 x - 1) (100 x^2 + 4 x + 1) (10000 x^3 + 300 x^2 - 1)}$$

Sequence: A113256
Score: 8.90938
Type of gen. func.: ogf

$$-\frac{10000 x^3 + 300 x^2 - 1}{(10 x + 1) (10 x - 1) (100 x^2 + 4 x + 1)}$$

Sequence: A113264
Score: 15.2576
Type of gen. func.: revogf

$$-\frac{-1 - x - 10 x^2 + (21 x^2 + 2 x + 1)^{1/2}}{10 x^2}$$

Sequence: A113264

Score: 4.23619
Type of gen. func.: ogf

{(-20 n - 50) a(n + 1) + (19 n + 46) a(n + 2) + (n + 4) a(n + 3), a(0) = 1,

a(1) = -4, a(2) = 46}

Sequence: A113264
Score: 6.83969
Type of gen. func.: ogf

$$-5 f(x)^2 x^3 + 10 f(x)^2 x^2 - 5 f(x)^2 x + f(x) x - f(x) + 1$$

Sequence: A113264
Score: 9.87253
Type of gen. func.: lgdogf

$$-\frac{-x + 1 + 3 (20 x + 1)^{1/2} x - (20 x + 1)^{1/2}}{2 (20 x + 1)^{1/2} x (x - 1)}$$

Sequence: A113265
Score: 14.3205
Type of gen. func.: revogf

$$-\frac{-1 - x - 12 x^2 + (25 x^2 + 2 x + 1)^{1/2}}{12 x^2}$$

Sequence: A113265
Score: 3.97193
Type of gen. func.: ogf

{(-24 n - 60) a(n + 1) + (23 n + 56) a(n + 2) + (n + 4) a(n + 3), a(0) = 1,

a(1) = -5, a(2) = 67}

Sequence: A113265
Score: 6.41301
Type of gen. func.: ogf

$$-6 f(x)^2 x^3 + 12 f(x)^2 x^2 - 6 f(x)^2 x + f(x) x - f(x) + 1$$

Sequence: A113265
Score: 9.26619
Type of gen. func.: lgdogf

$$- \frac{-x + 1 + 3 (24 x + 1)^{1/2} x - (24 x + 1)^{1/2}}{2 (24 x + 1)^{1/2} x (x - 1)}$$

Sequence: A113266
Score: 13.1358
Type of gen. func.: revogf

$$- \frac{-1 - x - 14 x^2 + (29 x^2 + 2 x + 1)^{1/2}}{14 x^2}$$

Sequence: A113266
Score: 3.65575
Type of gen. func.: ogf

$\{(-28 n - 70) a(n + 1) + (27 n + 66) a(n + 2) + (n + 4) a(n + 3), a(0) = 1,$

$a(1) = -6, a(2) = 92\}$

Sequence: A113266
Score: 5.90253
Type of gen. func.: ogf

$$-7 f(x)^2 x^3 + 14 f(x)^2 x^2 - 7 f(x)^2 x + f(x) x - f(x) + 1$$

Sequence: A113266
Score: 8.49963
Type of gen. func.: lgdogf

$$-x + 1 + 3 (28 x + 1)^{1/2} x - (28 x + 1)^{1/2}$$
$$- \text{---}$$

$$2 (28 x + 1)^{1/2} x (x - 1)$$

Sequence: A113267
Score: 13.6509
Type of gen. func.: revogf

$$- \frac{-1 - x - 16 x^2 + (33 x^2 + 2 x + 1)^{1/2}}{16 x^2}$$

Sequence: A113267
Score: 3.77762
Type of gen. func.: ogf

$\{(32 n + 80) a(n + 1) + (-31 n - 76) a(n + 2) + (-n - 4) a(n + 3), a(0) = 1,$

$a(1) = -7, a(2) = 121\}$

Sequence: A113267
Score: 6.13863
Type of gen. func.: ogf

$$-8 f(x)^2 x^3 + 16 f(x)^2 x^2 - 8 f(x)^2 x + f(x) x - f(x) + 1$$

Sequence: A113267
Score: 8.83295
Type of gen. func.: lgdogf

$$- \frac{-x + 1 + 3 (32 x + 1)^{1/2} x - (32 x + 1)^{1/2}}{2 (32 x + 1)^{1/2} x (x - 1)}$$

Sequence: A113268
Score: 14.0373
Type of gen. func.: revogf

$$- \frac{-1 - x - 18 x^2 + (37 x^2 + 2 x + 1)^{1/2}}{2}$$

$$18 x$$

Sequence: A113268
Score: 3.88658
Type of gen. func.: ogf

$$\{(36 n + 90) a(n + 1) + (-35 n - 86) a(n + 2) + (-n - 4) a(n + 3), a(0) = 1, a(1) = -8, a(2) = 154\}$$

Sequence: A113268
Score: 6.3157
Type of gen. func.: ogf

$$-9 f(x)^2 x^3 + 18 f(x)^2 x^2 - 9 f(x)^2 x + f(x) x - f(x) + 1$$

Sequence: A113268
Score: 9.08294
Type of gen. func.: lgdogf

$$-\frac{-x + 1 + 3 (36 x + 1)^{1/2} x - (36 x + 1)^{1/2}}{2 (36 x + 1)^{1/2} x (x - 1)}$$

Sequence: A113269
Score: 14.4880
Type of gen. func.: revogf

$$-\frac{-1 - x - 20 x^2 + (41 x^2 + 2 x + 1)^{1/2}}{20 x^2}$$

Sequence: A113269
Score: 3.98815
Type of gen. func.: ogf

$$\{(40 n + 100) a(n + 1) + (-39 n - 96) a(n + 2) + (-n - 4) a(n + 3), a(0) = 1, a(1) = -9, a(2) = 191\}$$

Sequence: A113269
Score: 6.38919
Type of gen. func.: ogf

$$-10 f(x)^2 x^3 + 20 f(x)^2 x^2 - 10 f(x)^2 x + f(x) x - f(x) + 1$$

Sequence: A113269
Score: 9.37459
Type of gen. func.: lgdogf

$$-\frac{-x + 1 + 3 (40 x + 1)^{1/2} x - (40 x + 1)^{1/2}}{2 (40 x + 1)^{1/2} x (x - 1)}$$

Sequence: A113277
Score: 13.7032
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3 x + 2}{x^2 - 1}$$

Sequence: A113281
Score: 11.4279
Type of gen. func.: lgdogf

$$-\frac{x^5 + x^4 + 2 x^3 + 4 x^2 - 3 x - 1}{(x - 1) (x + 1) (x^2 + 1) (x^2 + 2 x - 1)}$$

Sequence: A113281
Score: 6.64332
Type of gen. func.: ogf

$$-f(x)^2 x^4 - 2 f(x)^2 x^3 + 2 f(x)^2 x^2 + 2 f(x)^2 x - f(x)^2 + x^2 + 1$$

Sequence: A113282
Score: 6.83461
Type of gen. func.: ogf

$$-\frac{x^5 + x^4 + 2x^3 + 4x^2 - 3x - 1}{(x - 1)(x + 1)(x^2 + 1)(x^2 + 2x - 1)}$$

Sequence: A113297
Score: 10.9590
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{12} + x^{10} + x^8 + x^4 + x^2 + 1}{-x^{14} + 1}$$

Sequence: A113300
Score: 18.7741
Type of gen. func.: ogf

$$-\frac{x}{x^3 + x^2 + 3x - 1}$$

Sequence: A113300
Score: 25.3247
Type of gen. func.: lgdogf

$$-\frac{3x^2 + 2x + 3}{x^3 + x^2 + 3x - 1}$$

Sequence: A113300
Score: 6.93458
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) - a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 3}

Sequence: A113300

Score: 9.99661
Type of gen. func.: ogf

$$f(x) x^3 + f(x) x^2 + 3 f(x) x - f(x) + x$$

Sequence: A113301
Score: 13.7380
Type of gen. func.: ogf

$$\frac{x (x + 1)}{(x - 1) (x^3 + x^2 + 3 x - 1)}$$

Sequence: A113301
Score: 13.8048
Type of gen. func.: lgdogf

$$-\frac{3 x^4 + 4 x^3 + 2 x^2 + 4 x - 5}{(x - 1) (x + 1) (x^3 + x^2 + 3 x - 1)}$$

Sequence: A113301
Score: 6.99168
Type of gen. func.: ogf

$$-(44 f(x) - 9) (f(x) x^4 + 2 f(x) x^2 - 4 f(x) x - x^2 + f(x) - x)$$

Sequence: A113306
Score: 16.1683
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^2 - 1}{-x^4 + x^2 - 1}$$

Sequence: A113311
Score: 11.8011
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2), a(0) = 1, a(1) = 3, a(2) = 4\}$$

Sequence: A113311
Score: 13.9619
Type of gen. func.: ogf

$$-f(x) (f(x) x + x^2 - f(x) + 2 x + 1)$$

Sequence: A113311
Score: 22.0287
Type of gen. func.: ogf

$$-\frac{(x + 1)^2}{x - 1}$$

Sequence: A113311
Score: 47.1074
Type of gen. func.: ogf_with_Euler_transform]

$$[3 - 2 x]$$

Sequence: A113311
Score: 54.0376
Type of gen. func.: lgdogf

$$\frac{-3 + x}{(x - 1) (x + 1)}$$

Sequence: A113312
Score: 12.3851
Type of gen. func.: ogf

$$f(x) x^3 - 2 f(x) x^2 - x^2 + f(x) - 2 x - 1$$

Sequence: A113312
Score: 15.4270

Type of gen. func.: ogf

$$\frac{(x + 1)^{2}}{(x - 1)\,(x^{2} - x - 1)}$$

Sequence: A113312
Score: 22.7471
Type of gen. func.: lgdogf

$$-\frac{x^{3} + 3\,x^{2} - 4\,x - 2}{(x - 1)\,(x + 1)\,(x^{2} - x - 1)}$$

Sequence: A113312
Score: 9.35466
Type of gen. func.: ogf

$$\{a(n + 3) - 2\,a(n + 1) + a(n),\ a(0) = 1,\ a(1) = 2,\ a(2) = 3\}$$

Sequence: A113335
Score: 5.88850
Type of gen. func.: ogf

$$\{(-n - 2)\,a(n + 2) + (7 + n)\,a(n + 1),\ a(0) = 243,\ a(1) = 1458\}$$

Sequence: A113335
Score: 78.6017
Type of gen. func.: lgdogf

$$-\frac{6}{x - 1}$$

Sequence: A113335
Score: 9.16923
Type of gen. func.: ogf

$$\frac{243}{{}^{6}}$$

$$(x - 1)$$

Sequence: A113337
Score: 6.93338
Type of gen. func.: ogf

$$f(x)^{3} - f(x)^{2} x - f(x) x^{2} - 2 f(x)^{2} + 2 f(x) x + f(x) - x$$

Sequence: A113338
Score: 7.20323
Type of gen. func.: ogf

$$- \frac{41 x^{4} + 18 x^{3} + 278 x^{2} + 18 x + 41}{(x + 1)^{2} (x - 1)^{3}}$$

Sequence: A113338
Score: 8.12542
Type of gen. func.: lgdogf

$$- \frac{41 x^{5} + 77 x^{4} + 1016 x^{3} + 404 x^{2} + 779 x + 59}{(x - 1) (x + 1) (41 x^{4} + 18 x^{3} + 278 x^{2} + 18 x + 41)}$$

Sequence: A113405
Score: 18.6168
Type of gen. func.: ogf

$$- \frac{x^{3}}{(x + 1) (2 x - 1) (x^{2} - x + 1)}$$

Sequence: A113405
Score: 18.9927
Type of gen. func.: lgdogf

$$- \frac{8 x^{3} - 3 x^{2} + 2}{}$$

$$(2 x - 1) (x + 1) (x^2 - x + 1)$$

Sequence: A113405
Score: 9.42333
Type of gen. func.: ogf

$$-2 f(x) x^4 + f(x) x^3 - x^3 - 2 f(x) x + f(x)$$

Sequence: A113407
Score: 6.90704
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^6 + x^5 - x^3 + 3 x^2 + 2 x + 1}{-x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 1}$$

Sequence: A113409
Score: 6.36617
Type of gen. func.: ogf

$$-2 f(x)^2 x^4 - f(x)^2 x^3 + f(x)^2 x^2 - 2 f(x) x^2 - f(x) x + f(x) - 1$$

Sequence: A113411
Score: 5.95434
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^6 + 3 x^4 + x^3 + x^2 - x + 2}{-x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 1}$$

Sequence: A113416
Score: 11.1933
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{4 x^5 - 2 x^4 + x^3 + 5 x - 2}{-x^6 + x^4 - x^2 + 1}$$

Sequence: A113417
Score: 7.99525
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4x^7-2x^6-5x^5-2x^4-2x^3-2x^2-5x-2}{x^8-1}$$

Sequence: A113419
Score: 7.99525
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4x^7+2x^6-7x^5+2x^4-2x^3+2x^2-7x+2}{x^8-1}$$

Sequence: A113421
Score: 8.35514
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4x^{11}-2x^{10}-2x^9-3x^7-2x^6-2x^5-2x^4-3x^3-2x-2}{x^{12}-1}$$

Sequence: A113422
Score: 11.5643
Type of gen. func.: lgdogf

$$-\frac{4x^5+13x^4+22x^3+28x^2+16x+7}{(x-1)(x+1)(x^2+x+1)(2x^2+x+2)}$$

Sequence: A113422
Score: 9.22667
Type of gen. func.: ogf

2

$$-\frac{x (x + 1) (2 x + x + 2)}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A113423
Score: 9.18890
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3 x^6 - x^5 - 3 x^4 - 2 x^3 - 2 x^2 - 1}{x^7 + x^5 - x^2 - 1}$$

Sequence: A113424
Score: 12.6261
Type of gen. func.: ogf

hypergeom([1/6, 5/6], [1], 432 x)

Sequence: A113424
Score: 5.03071
Type of gen. func.: ogf

$$\{(-432 n^2 - 1296 n - 924) a(n + 1) + (n^2 + 4 n + 4) a(n + 2), a(0) = 1,$$

$$a(1) = 60\}$$

Sequence: A113428
Score: 10.6032
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^4 + x^2 + x}{-x^5 + 1}$$

Sequence: A113429
Score: 10.6032
Type of gen. func.: ogf_with_Euler_transform]

$$-x^4 - x^3 - 1$$

$$- \frac{\qquad}{x^5 - 1}$$

Sequence: A113430
Score: 4.76078
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^9 + x^8 + x^6 + x^5 + x^4 + x^3 + x^2 + 1}{-x^{10} + 1}$$

Sequence: A113431
Score: 6.34733
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^9 + x^8 + x^7 + x^6 + x^4 + x^2 + x + 1}{-x^{10} + 1}$$

Sequence: A113435
Score: 13.1376
Type of gen. func.: ogf

$$- \frac{(x - 1) (x^2 + x + 1)}{x^4 - 2 x^3 - x + 1}$$

Sequence: A113435
Score: 14.1171
Type of gen. func.: lgdogf

$$- \frac{x^6 - 2 x^3 + 3 x^2 + 1}{(x - 1) (x^2 + x + 1) (x^4 - 2 x^3 - x + 1)}$$

Sequence: A113435
Score: 6.74633
Type of gen. func.: ogf

$$-(5 f(x) - 2) (f(x) x^4 - 2 f(x) x^3 + x^3 - f(x) x + f(x) - 1)$$

Sequence: A113436
Score: 4.73635
Type of gen. func.: ogf

$$(10 f(x) - 3) (f(x) x^4 - 11 f(x) x^3 + 15 f(x) x^2 + 4 x^3 - 7 f(x) x - 8 x^2 + f(x) + 5 x - 1)$$

Sequence: A113436
Score: 8.39353
Type of gen. func.: ogf

$$-\frac{(x - 1) (2 x - 1)^2}{x^4 - 11 x^3 + 15 x^2 - 7 x + 1}$$

Sequence: A113436
Score: 8.55544
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 7 x^4 + 18 x^3 - 20 x^2 + 10 x - 2}{(x - 1) (2 x - 1) (x^4 - 11 x^3 + 15 x^2 - 7 x + 1)}$$

Sequence: A113437
Score: 4.37816
Type of gen. func.: ogf

$$-(3 f(x) + 4) (f(x) x^4 - 11 f(x) x^3 + 15 f(x) x^2 + 2 x^3 - 7 f(x) x - 5 x^2 + f(x) + 4 x - 1)$$

Sequence: A113437
Score: 7.92501
Type of gen. func.: ogf

$$-\frac{(2x-1)(x-1)^2}{x^4-11x^3+15x^2-7x+1}$$

Sequence: A113437
Score: 7.96576
Type of gen. func.: lgdogf

$$-\frac{2x^5-8x^4+29x^3-35x^2+17x-3}{(x-1)(2x-1)(x^4-11x^3+15x^2-7x+1)}$$

Sequence: A113438
Score: 10.7944
Type of gen. func.: lgdogf

$$-\frac{x^4-4x^3+18x^2-16x+4}{(x-1)(x^4-11x^3+15x^2-7x+1)}$$

Sequence: A113438
Score: 5.28586
Type of gen. func.: ogf

$-(3f(x)+1)$

$$(f(x)x^4-11f(x)x^3+15f(x)x^2+x^3-7f(x)x-3x^2+f(x)+3x-1)$$

Sequence: A113438
Score: 9.56809
Type of gen. func.: ogf

$$-\frac{(x-1)^3}{x^4-11x^3+15x^2-7x+1}$$

Sequence: A113439
Score: 13.6501
Type of gen. func.: lgdogf

$$-\frac{x^8 - 2x^4 + 4x^3 + 1}{(x-1)(x+1)(x^2+1)(x^5 - 2x^4 - x + 1)}$$

Sequence: A113439
Score: 13.6762
Type of gen. func.: ogf

$$-\frac{(x^2+1)(x-1)(x+1)}{x^5 - 2x^4 - x + 1}$$

Sequence: A113439
Score: 7.02291
Type of gen. func.: ogf

$$(2 f(x)^2 - 1)(f(x) x^5 - 2 f(x) x^4 + x^4 - f(x) x + f(x) - 1)$$

Sequence: A113440
Score: 6.07901
Type of gen. func.: ogf

$$-\frac{(x-1)(2x-1)^3}{x^5 - 20x^4 + 38x^3 - 28x^2 + 9x - 1}$$

Sequence: A113440
Score: 6.48001
Type of gen. func.: lgdogf

$$-\frac{2x^6 - 8x^5 + 29x^4 - 44x^3 + 32x^2 - 12x + 2}{(x-1)(2x-1)(x^5 - 20x^4 + 38x^3 - 28x^2 + 9x - 1)}$$

Sequence: A113441
Score: 6.20699
Type of gen. func.: ogf

$$-\frac{(2x-1)^2(x-1)^2}{x^5-20x^4+38x^3-28x^2+9x-1}$$

Sequence: A113441
Score: 6.69374
Type of gen. func.: lgdogf

$$-\frac{2x^6-9x^5+49x^4-82x^3+60x^2-21x+3}{(x-1)(2x-1)(x^5-20x^4+38x^3-28x^2+9x-1)}$$

Sequence: A113442
Score: 6.43429
Type of gen. func.: ogf

$$-\frac{(2x-1)(x-1)^3}{x^5-20x^4+38x^3-28x^2+9x-1}$$

Sequence: A113442
Score: 6.57771
Type of gen. func.: lgdogf

$$-\frac{2x^6-10x^5+69x^4-120x^3+88x^2-30x+4}{(x-1)(2x-1)(x^5-20x^4+38x^3-28x^2+9x-1)}$$

Sequence: A113443
Score: 6.56493
Type of gen. func.: ogf

$$(x-1)^4$$

$$- \frac{}{x^{5} - 20 x^{4} + 38 x^{3} - 28 x^{2} + 9 x - 1}$$

Sequence: A113443
Score: 8.46153
Type of gen. func.: lgdogf

$$- \frac{x^{5} - 5 x^{4} + 42 x^{3} - 58 x^{2} + 29 x - 5}{(x - 1) (x^{5} - 20 x^{4} + 38 x^{3} - 28 x^{2} + 9 x - 1)}$$

Sequence: A113444
Score: 13.1367
Type of gen. func.: lgdogf

$$- \frac{x^{10} - 2 x^{5} + 5 x^{4} + 1}{(x - 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{6} - 2 x^{5} - x + 1)}$$

Sequence: A113444
Score: 14.3302
Type of gen. func.: ogf

$$- \frac{(x - 1) (x^{4} + x^{3} + x^{2} + x + 1)}{x^{6} - 2 x^{5} - x + 1}$$

Sequence: A113446
Score: 7.51949
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^{8} - x^{7} + 2 x^{6} - x^{4} + x^{3} + 2 x^{2} - 2 x + 1}{-x^{9} - x^{6} - x^{3} - 1}$$

Sequence: A113447
Score: 9.07022
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^{7}+x^{6}-2x^{4}-x^{3}+2x^{2}-1}{x^{8}+x^{4}+1}$$

Sequence: A113448
Score: 4.42909
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^{14}-x^{13}+x^{12}+x^{11}+x^{8}-x^{7}+x^{6}+x^{5}+x^{2}-x+1}{-x^{15}-x^{12}-x^{9}-x^{6}-x^{3}-1}$$

Sequence: A113449
Score: 4.4202
Type of gen. func.: ogf

$$-(107723 f(x) + 11114)$$

$$(f(x) x^{4} - 4 f(x) x^{3} - 12 f(x) x^{2} + 8 f(x) x - f(x) - 8 x + 2)$$

Sequence: A113449
Score: 9.42819
Type of gen. func.: lgdogf

$$-\frac{4 (3 x^{4} - 9 x^{3} - 9 x^{2} + 6 x - 1)}{(4 x - 1) (x^{2} - 6 x + 1) (x^{2} + 2 x - 1)}$$

Sequence: A113449
Score: 9.62461
Type of gen. func.: ogf

$$\frac{2 (4 x - 1)}{(x^{2} - 6 x + 1) (x^{2} + 2 x - 1)}$$

Sequence: A113450

Score: 4.27109
Type of gen. func.: ogf

$$-(215446 f(x) + 11749)$$

$$(f(x) x^4 - 4 f(x) x^3 - 12 f(x) x^2 + 8 f(x) x - 2 x^2 - f(x) + 4 x)$$

Sequence: A113450
Score: 8.99517
Type of gen. func.: ogf

$$\frac{2 x (x - 2)}{(x^2 - 6 x + 1) (x^2 + 2 x - 1)}$$

Sequence: A113450
Score: 9.58275
Type of gen. func.: lgdogf

$$- \frac{3 x^4 - 16 x^3 + 12 x^2 + 48 x - 15}{(x - 2) (x^2 - 6 x + 1) (x^2 + 2 x - 1)}$$

Sequence: A113497
Score: 16.4165
Type of gen. func.: ogf

$$\frac{4 x^2 + 3 x + 1}{(x + 1)^2 (x - 1)^2}$$

Sequence: A113497
Score: 8.47198
Type of gen. func.: lgdogf

$$- \frac{8 x^3 + 9 x^2 + 12 x + 3}{(x - 1) (x + 1) (4 x^2 + 3 x + 1)}$$

Sequence: A113497
Score: 9.84987
Type of gen. func.: ogf

$$(64 f(x) + 53) (f(x) x^4 - 2 f(x) x^2 - 4 x^2 + f(x) - 3 x - 1)$$

Sequence: A113500
Score: 4.96982
Type of gen. func.: ogf

$$\frac{x^4 - 140 x^3 - 965 x^2 + 894 x - 32}{(x - 1) (x + 1) (x^2 - 123 x + 1)}$$

Sequence: A113531
Score: 5.51153
Type of gen. func.: ogf

$$\frac{3 x^5 + 117 x^4 + 374 x^3 + 210 x^2 + 15 x + 1}{(x - 1)^6}$$

Sequence: A113531
Score: 7.65106
Type of gen. func.: lgdogf

$$- \frac{3 (x^5 + 83 x^4 + 530 x^3 + 654 x^2 + 165 x + 7)}{(x - 1) (3 x^5 + 117 x^4 + 374 x^3 + 210 x^2 + 15 x + 1)}$$

Sequence: A113532
Score: 4.40387
Type of gen. func.: ogf

$$- \frac{4 x^6 + 285 x^5 + 1857 x^4 + 2278 x^3 + 594 x^2 + 21 x + 1}{(x - 1)^7}$$

Sequence: A113532
Score: 5.53972
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^6 + 297 x^5 + 3498 x^4 + 8270 x^3 + 4902 x^2 + 657 x + 14)}{(x - 1) (4 x^6 + 285 x^5 + 1857 x^4 + 2278 x^3 + 594 x^2 + 21 x + 1)}$$

Sequence: A113541
Score: 13.3180
Type of gen. func.: ogf

$$\frac{x^2 + 17 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A113541
Score: 17.6035
Type of gen. func.: lgdogf

$$-\frac{x^3 + 35 x^2 + 22 x + 18}{(x - 1) (x + 1) (x^2 + 17 x + 1)}$$

Sequence: A113541
Score: 7.11827
Type of gen. func.: ogf

$$(52 f(x) + 1005) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - 17 x - 1)$$

Sequence: A113541
Score: 7.24315
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 18, a(2) = 20\}$$

Sequence: A113551

Score: 15.3681
Type of gen. func.: revegf]

$$\frac{((3x+1)(x+1))^{1/2}\,x}{(3x+1)^2}$$

Sequence: A113553
Score: 6.34373
Type of gen. func.: ogf

$$-\frac{x^7-x^6+x^5-x^4-x^3-2x^2-2x-1}{(x^2+1)(x-1)^2}$$

Sequence: A113574
Score: 4.99956
Type of gen. func.: ogf

$$\frac{2x^8+2x^7+x^6+4x^5+2x^4+4x^3+2x^2+2x+1}{(x-1)(10x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A113596
Score: 4.86501
Type of gen. func.: ogf

$$-\frac{x(4x^5+80x^4+120x^3+65x^2+10x+1)}{(x-1)^9}$$

Sequence: A113596
Score: 8.36925
Type of gen. func.: lgdogf

$$-\frac{16x^5+420x^4+1040x^3+815x^2+210x+19}{(x-1)(4x^5+80x^4+120x^3+65x^2+10x+1)}$$

Sequence: A113618
Score: 3.98188
Type of gen. func.: ogf

$$\frac{4 x^{7} + 679 x^{6} + 7956 x^{5} + 18907 x^{4} + 11212 x^{3} + 1533 x^{2} + 28 x + 1}{(x - 1)^{8}}$$

Sequence: A113630
Score: 3.23681
Type of gen. func.: ogf

$$- (5 x^{8} + 1548 x^{7} + 31360 x^{6} + 129620 x^{5} + 148266 x^{4} + 48316 x^{3} + 3728 x^{2} + 36 x + 1) \Big/ (x - 1)^{9}$$

Sequence: A113655
Score: 13.0160
Type of gen. func.: ogf

$$\frac{2 x^{3} - x^{2} - x + 3}{(x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A113655
Score: 16.9422
Type of gen. func.: lgdogf

$$- \frac{2 (x^{5} - x^{3} + 8 x^{2} + 1)}{(x - 1) (x^{2} + x + 1) (2 x^{3} - x^{2} - x + 3)}$$

Sequence: A113655
Score: 5.47623
Type of gen. func.: ogf

$\{(-n - 4) a(n + 1) - a(n + 2) - a(n + 3) + (n + 3) a(n + 4), a(0) = 3, a(1) = 2,$

$a(2) = 1, a(3) = 6\}$

Sequence: A113655
Score: 7.12778
Type of gen. func.: ogf

$$-(84 f(x) + 257) (f(x) x^4 - f(x) x^3 - 2 x^3 - f(x) x + x^2 + f(x) + x - 3)$$

Sequence: A113660
Score: 5.73327
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^8 - 6 x^7 + 9 x^6 - 2 x^5 - 3 x^4 + 3 x^3 + 4 x^2 - 9 x + 6}{-x^9 - x^6 - x^3 - 1}$$

Sequence: A113677
Score: 3.60420
Type of gen. func.: ogf

$$\{(-16 n^2 - 80 n - 84) a(n + 1) + (n + 3) a(n + 2), a(0) = 3, a(1) = 30\}$$

Sequence: A113677
Score: 7.74235
Type of gen. func.: egf]

$$3 \operatorname{hypergeom}([1/2, 5/2], [2], 16 x)$$

Sequence: A113679
Score: 10.7894
Type of gen. func.: ogf

$$-f(x) x + 2 x^2 + f(x) + x - 1$$

Sequence: A113679
Score: 12.7075
Type of gen. func.: ogf

$$\frac{(x + 1)\,(2\,x - 1)}{x - 1}$$

Sequence: A113679
Score: 28.7079
Type of gen. func.: lgdogf

$$\frac{2\,x\,(x - 2)}{(x - 1)\,(2\,x - 1)\,(x + 1)}$$

Sequence: A113679
Score: 6.88961
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2), a(0) = 1, a(1) = 0, a(2) = -2\}$$

Sequence: A113681
Score: 8.78862
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^4 + x^3 - x^2 - x + 1}{x^5 - 1}$$

Sequence: A113682
Score: 4.88086
Type of gen. func.: ogf

$$3\,f(x)^2\,x^4 + 5\,f(x)^2\,x^3 + f(x)^2\,x^2 - f(x)^2\,x + 3\,f(x)\,x^2 + 2\,f(x)\,x - f(x) + 1$$

Sequence: A113683
Score: 11.5329
Type of gen. func.: ogf

$$\frac{2\,(8\,x^6 + 24\,x^5 - 2\,x^4 - 6\,x^3 - 2\,x^2 - 21\,x - 5)}{(x - 1)\,(x + 1)}$$

Sequence: A113683
Score: 9.44945
Type of gen. func.: lgdogf

$$\frac{32 x^7 + 72 x^6 - 52 x^5 - 126 x^4 + 8 x^3 + 39 x^2 + 14 x + 21}{(x - 1) (x + 1) (8 x^6 + 24 x^5 - 2 x^4 - 6 x^3 - 2 x^2 - 21 x - 5)}$$

Sequence: A113684
Score: 11.3637
Type of gen. func.: lgdogf

$$-\frac{3 x^5 + 4 x^4 + 2 x^3 - 9 x^2 - 2 x + 4}{(x - 1) (x^2 + x - 1) (x^3 + x^2 - 1)}$$

Sequence: A113684
Score: 8.54702
Type of gen. func.: ogf

$$-\frac{x (x^3 + x^2 - 1)}{(x - 1)^2 (x^2 + x - 1)^2}$$

Sequence: A113687
Score: 8.04029
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^4 + x^3 - x^2 + x - 1}{x^5 - x^4 + x^3 - x^2 + x - 1}$$

Sequence: A113706
Score: 16.6166
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x + 1}{\quad}$$

$$-x^2 - x - 1$$

Sequence: A113726
Score: 15.6386
Type of gen. func.: lgdogf

$$-\frac{2 x (1 + 2 x) (4 x + 1)}{(2 x - 1) (x + 1) (2 x^2 + x + 1)}$$

Sequence: A113726
Score: 16.2213
Type of gen. func.: ogf

$$-\frac{1}{(x + 1) (2 x - 1) (2 x^2 + x + 1)}$$

Sequence: A113726
Score: 6.95197
Type of gen. func.: ogf

$$-(11 f(x) - 10) (4 f(x) x^4 + 4 f(x) x^3 + f(x) x^2 - f(x) + 1)$$

Sequence: A113727
Score: 15.3432
Type of gen. func.: ogf

$$-\frac{1}{(x^2 + 2 x - 1) (x + 1)^2}$$

Sequence: A113727
Score: 24.2943
Type of gen. func.: lgdogf

$$-\frac{4 x (x + 2)}{(x + 1) (x^2 + 2 x - 1)}$$

Sequence: A113727
Score: 3.52267
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-n - 3) a(n + 3) + (-14 - 3 n) a(n + 2) + (-5 - n) a(n + 1), a(0) = 1, a(1) = 0, a(2) = 4, a(3) = 4\}$$

Sequence: A113727
Score: 6.90443
Type of gen. func.: ogf

$$(37 f(x) - 5) (f(x) x^4 + 4 f(x) x^3 + 4 f(x) x^2 - f(x) + 1)$$

Sequence: A113754
Score: 6.28542
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^2 + 18 x + 1) (x^2 + 4 x + 1)}{(x - 1)^7}$$

Sequence: A113754
Score: 8.43221
Type of gen. func.: lgdogf

$$- \frac{2 (x^5 + 37 x^4 + 238 x^3 + 384 x^2 + 165 x + 15)}{(x - 1) (x + 1) (x^2 + 18 x + 1) (x^2 + 4 x + 1)}$$

Sequence: A113763
Score: 28.8762
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{12} + x^{11} + 2$$

Sequence: A113763
Score: 6.15138
Type of gen. func.: ogf

$$\frac{x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1}{(x+1)\,(x^{2}+1)\,(x^{2}+x+1)\,(x^{2}-x+1)\,(x^{4}-x^{2}+1)\,(x-1)^{2}}$$

Sequence: A113770
Score: 14.7629
Type of gen. func.: ogf

$$\frac{(x+1)\,(7\,x+1)}{(x-1)^{2}}$$

Sequence: A113770
Score: 24.7325
Type of gen. func.: lgdogf

$$-\frac{2\,(5+11\,x)}{(x-1)\,(7\,x+1)\,(x+1)}$$

Sequence: A113770
Score: 7.52340
Type of gen. func.: ogf

$$\{-a(n+3)+2\,a(n+2)-a(n+1),\ a(0)=1,\ a(1)=10,\ a(2)=26\}$$

Sequence: A113770
Score: 8.32376
Type of gen. func.: ogf

$$(8\,f(x)+17)\,(f(x)\,x^{2}-2\,f(x)\,x-7\,x^{2}+f(x)-8\,x-1)$$

Sequence: A113772
Score: 10.2585
Type of gen. func.: ogf

$$^{3} \qquad ^{2}$$

$$-\frac{x - 2x + 6x - 2}{(x^2 + x - 1)^3}$$

Sequence: A113772
Score: 11.0732
Type of gen. func.: lgdogf

$$-\frac{x(3x^3 - 8x^2 + 31x - 4)}{(x^2 + x - 1)(x^3 - 2x^2 + 6x - 2)}$$

Sequence: A113774
Score: 6.82558
Type of gen. func.: lgdegf]

$$2/3 \exp(x) + 1/3\, 3^{1/2} \exp(-x/2) \sin\left(\frac{3^{1/2} x}{2}\right) + 1/3 \exp(-x/2) \cos\left(\frac{3^{1/2} x}{2}\right)$$

Sequence: A113775
Score: 12.5298
Type of gen. func.: lgdegf]

$$(-5 - n)\, a(n + 1) + (n + 2)\, a(n + 4),\ a(0) = 1,\ a(1) = 2,\ a(2) = 0,\ a(3) = 4$$

Sequence: A113778
Score: 5.20227
Type of gen. func.: lgdogf

$$-\frac{3x^7 + x^6 - x^5 - 3x^4 + 29x^3 - x^2 + x + 3}{(x - 1)(x + 1)(x^2 + 1)(3x^4 - x^3 - x^2 - x + 4)}$$

Sequence: A113778
Score: 5.46145
Type of gen. func.: ogf

$$3x^4 - x^3 - x^2 - x + 4$$

$$\frac{}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A113779
Score: 10.0833
Type of gen. func.: ogf

$$-(35601 f(x) - 453739) (f(x) x^3 + 8 x^2 - f(x) + 9 x + 17)$$

Sequence: A113779
Score: 11.6547
Type of gen. func.: ogf

$$\{a(n + 3) - a(n), a(0) = 17, a(1) = 9, a(2) = 8\}$$

Sequence: A113779
Score: 14.6607
Type of gen. func.: lgdogf

$$-\frac{8 x^4 + 18 x^3 + 51 x^2 + 16 x + 9}{(x - 1) (x^2 + x + 1) (8 x^2 + 9 x + 17)}$$

Sequence: A113779
Score: 17.9483
Type of gen. func.: ogf

$$-\frac{8 x^2 + 9 x + 17}{(x - 1) (x^2 + x + 1)}$$

Sequence: A113780
Score: 8.05575
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^6 + x^5 - 4 x^4 - 4 x^2 - 3}{x^7 + x^6 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + x + 1}$$

Sequence: A113790
Score: 10.5659
Type of gen. func.: ogf

$$\frac{x^5 - x^4 + 2 x^3 + 2 x^2 - x + 2}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A113790
Score: 8.80994
Type of gen. func.: lgdogf

$$- \frac{x^9 - x^8 + 6 x^7 + 10 x^6 - x^5 + 19 x^4 + x^3 + 9 x^2 + 5 x + 1}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (x^5 - x^4 + 2 x^3 + 2 x^2 - x + 2)}$$

Sequence: A113801
Score: 13.3793
Type of gen. func.: ogf

$$\frac{x^2 + 12 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A113801
Score: 17.6845
Type of gen. func.: lgdogf

$$- \frac{x^3 + 25 x^2 + 17 x + 13}{(x - 1) (x + 1) (x^2 + 12 x + 1)}$$

Sequence: A113801
Score: 7.2132
Type of gen. func.: ogf

3 2 2

$$(11 f(x) + 160) (f(x) x - f(x) x - f(x) x - x + f(x) - 12 x - 1)$$

Sequence: A113801
Score: 7.27646
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 13, a(2) = 15\}$$

Sequence: A113802
Score: 13.4440
Type of gen. func.: ogf

$$\frac{2 (x^2 + 5 x + 1)}{(x + 1) (x - 1)^2}$$

Sequence: A113802
Score: 18.5794
Type of gen. func.: lgdogf

$$- \frac{x^3 + 11 x^2 + 10 x + 6}{(x - 1) (x + 1) (x^2 + 5 x + 1)}$$

Sequence: A113802
Score: 7.31162
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 12, a(2) = 16\}$$

Sequence: A113802
Score: 7.37633
Type of gen. func.: ogf

$$(f(x) + 24) (f(x) x^3 - f(x) x^2 - f(x) x - 2 x^2 + f(x) - 10 x - 2)$$

Sequence: A113803

Score: 13.0173
Type of gen. func.: ogf

$$\frac{3 x^{2} + 8 x + 3}{(x + 1) (x - 1)^{2}}$$

Sequence: A113803
Score: 15.8812
Type of gen. func.: lgdogf

$$- \frac{3 x^{3} + 19 x^{2} + 23 x + 11}{(x - 1) (x + 1) (3 x^{2} + 8 x + 3)}$$

Sequence: A113803
Score: 6.96542
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 3, a(1) = 11, a(2) = 17\}$$

Sequence: A113803
Score: 7.15368
Type of gen. func.: ogf

$$(5 f(x) - 2) (f(x) x^{3} - f(x) x^{2} - f(x) x - 3 x^{2} + f(x) - 8 x - 3)$$

Sequence: A113804
Score: 12.6958
Type of gen. func.: ogf

$$\frac{2 (2 x^{2} + 3 x + 2)}{(x + 1) (x - 1)^{2}}$$

Sequence: A113804
Score: 16.1412
Type of gen. func.: lgdogf

$$-\frac{2x^3+8x^2+13x+5}{(x-1)(x+1)(2x^2+3x+2)}$$

Sequence: A113804
Score: 6.79336
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+2)+a(n+1)-a(n),\ a(0)=4,\ a(1)=10,\ a(2)=18\}$$

Sequence: A113804
Score: 6.91468
Type of gen. func.: ogf

$$(5 f(x)-26)(f(x) x^3-f(x) x^2-f(x) x-4 x^2+f(x)-6 x-4)$$

Sequence: A113805
Score: 12.9523
Type of gen. func.: ogf

$$\frac{5x^2+4x+5}{(x+1)(x-1)^2}$$

Sequence: A113805
Score: 16.1293
Type of gen. func.: lgdogf

$$-\frac{5x^3+13x^2+29x+9}{(x-1)(x+1)(5x^2+4x+5)}$$

Sequence: A113805
Score: 6.8111
Type of gen. func.: ogf

$$-(f(x)+39)(f(x) x^3-f(x) x^2-f(x) x-5 x^2+f(x)-4 x-5)$$

Sequence: A113805
Score: 6.99193
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 5, a(1) = 9, a(2) = 19\}$$

Sequence: A113806
Score: 12.9523
Type of gen. func.: ogf

$$\frac{2 (3 x^2 + x + 3)}{(x + 1) (x - 1)^2}$$

Sequence: A113806
Score: 17.2046
Type of gen. func.: lgdogf

$$- \frac{3 x^3 + 5 x^2 + 16 x + 4}{(x - 1) (x + 1) (3 x^2 + x + 3)}$$

Sequence: A113806
Score: 6.75289
Type of gen. func.: ogf

$$(891 f(x) + 27950) (f(x) x^3 - f(x) x^2 - f(x) x - 6 x^2 + f(x) - 2 x - 6)$$

Sequence: A113806
Score: 6.99193
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 6, a(1) = 8, a(2) = 20\}$$

Sequence: A113828
Score: 6.38588

Type of gen. func.: lgdogf

$$-\frac{4096 x^{7} + 1024 x^{6} - 1216 x^{4} - 192 x^{3} - 80 x^{2} - 32 x - 9}{(x - 1) (8 x^{2} - 1) (32 x^{3} + 16 x^{2} + 8 x + 1) (8 x^{2} + 1)}$$

Sequence: A113828
Score: 8.92630
Type of gen. func.: ogf

$$\frac{32 x^{3} + 16 x^{2} + 8 x + 1}{(x - 1) (8 x^{2} + 1) (8 x^{2} - 1)}$$

Sequence: A113829
Score: 6.71649
Type of gen. func.: ogf

$$\frac{256 x^{5} + 128 x^{4} + 32 x^{3} + 16 x^{2} + 8 x + 1}{(x - 1) (4 x - 1) (4 x + 1) (16 x^{2} + 4 x + 1) (16 x^{2} - 4 x + 1)}$$

Sequence: A113835
Score: 12.0488
Type of gen. func.: ogf

$$\frac{4 x + 1}{(x - 1) (8 x^{2} - 1)}$$

Sequence: A113835
Score: 13.3097
Type of gen. func.: lgdogf

$$-\frac{64 x^{3} - 8 x^{2} - 16 x - 5}{(x - 1) (4 x + 1) (8 x^{2} - 1)}$$

Sequence: A113835
Score: 5.65122
Type of gen. func.: ogf

$$\{a(n+3) - a(n+2) - 8\,a(n+1) + 8\,a(n),\ a(0) = 1,\ a(1) = 5,\ a(2) = 13\}$$

Sequence: A113835
Score: 6.19987
Type of gen. func.: ogf

$$(3\,f(x) + 4)\,(8\,f(x)\,x^3 - 8\,f(x)\,x^2 - f(x)\,x + f(x) - 4\,x - 1)$$

Sequence: A113836
Score: 11.8029
Type of gen. func.: ogf

$$\frac{1 + 2\,x}{(x - 1)\,(8\,x^2 - 1)}$$

Sequence: A113836
Score: 13.3157
Type of gen. func.: lgdogf

$$-\frac{(4\,x + 3)\,(8\,x^2 - 4\,x - 1)}{(x - 1)\,(1 + 2\,x)\,(8\,x^2 - 1)}$$

Sequence: A113836
Score: 5.53588
Type of gen. func.: ogf

$$\{a(n+3) - a(n+2) - 8\,a(n+1) + 8\,a(n),\ a(0) = 1,\ a(1) = 3,\ a(2) = 11\}$$

Sequence: A113836
Score: 5.73903
Type of gen. func.: ogf

$$-(34\,f(x) + 31)\,(8\,f(x)\,x^3 - 8\,f(x)\,x^2 - f(x)\,x + f(x) - 2\,x - 1)$$

Sequence: A113841
Score: 10.1899
Type of gen. func.: ogf

$$\frac{4 x^2 + 2 x + 1}{(4 x - 1) (x - 1) (16 x^2 + 4 x + 1)}$$

Sequence: A113841
Score: 5.34972
Type of gen. func.: ogf

$$(17003 f(x) + 4674) (64 f(x) x^4 - 64 f(x) x^3 - f(x) x - 4 x^2 + f(x) - 2 x - 1)$$

Sequence: A113841
Score: 8.17213
Type of gen. func.: lgdogf

$$- \frac{512 x^5 + 128 x^4 - 188 x^2 - 8 x - 3}{(x - 1) (4 x - 1) (4 x^2 + 2 x + 1) (16 x^2 + 4 x + 1)}$$

Sequence: A113854
Score: 5.04292
Type of gen. func.: ogf

$$(1757 f(x) + 2006) (64 f(x) x^4 - 64 f(x) x^3 - f(x) x - 32 x^2 + f(x) - 2 x - 1)$$

Sequence: A113854
Score: 7.22692
Type of gen. func.: lgdogf

$$- \frac{4096 x^5 - 1664 x^4 - 160 x^2 - 64 x - 3}{(x - 1) (4 x - 1) (32 x^2 + 2 x + 1) (16 x^2 + 4 x + 1)}$$

Sequence: A113854
Score: 9.45547
Type of gen. func.: ogf

$$\frac{32 x^2 + 2 x + 1}{(4 x - 1) (x - 1) (16 x^2 + 4 x + 1)}$$

Sequence: A113859
Score: 10.4568
Type of gen. func.: ogf

$$-\frac{6 x^2 - 14 x + 7}{(x - 1) (2 x^2 - 4 x + 1)}$$

Sequence: A113859
Score: 5.68704
Type of gen. func.: ogf

$$(19 f(x) + 65) (2 f(x) x^3 - 6 f(x) x^2 + 5 f(x) x + 6 x^2 - f(x) - 14 x + 7)$$

Sequence: A113859
Score: 5.68704
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 6 a(n + 1) + 2 a(n), a(0) = 7, a(1) = 21, a(2) = 69\}$$

Sequence: A113859
Score: 9.63045
Type of gen. func.: lgdogf

$$-\frac{12 x^4 - 56 x^3 + 96 x^2 - 72 x + 21}{(x - 1) (2 x^2 - 4 x + 1) (6 x^2 - 14 x + 7)}$$

Sequence: A113861
Score: 11.8973
Type of gen. func.: ogf

$$4 f(x) x^{3} - 3 f(x) x - 2 x^{2} + f(x) - x$$

Sequence: A113861
Score: 16.2678
Type of gen. func.: ogf

$$\frac{x (1 + 2 x)}{(x + 1) (2 x - 1)^{2}}$$

Sequence: A113861
Score: 21.2628
Type of gen. func.: lgdogf

$$- \frac{8 x^{2} + 10 x + 5}{(1 + 2 x) (2 x - 1) (x + 1)}$$

Sequence: A113861
Score: 8.57118
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 4 a(n), a(0) = 0, a(1) = 1, a(2) = 5\}$$

Sequence: A113867
Score: 5.04187
Type of gen. func.: ogf

$$(101640 f(x) + 180233)$$

$$(64 f(x) x^{4} - 64 f(x) x^{3} - f(x) x - 32 x^{2} + f(x) - 16 x - 1)$$

Sequence: A113867
Score: 6.71404
Type of gen. func.: lgdogf

$$\quad^{5} \qquad\quad ^{4} \qquad\quad ^{3} \qquad\quad ^{2}$$

$$-\frac{4096 x + 1024 x - 1792 x - 160 x - 64 x - 17}{(x - 1) (4 x - 1) (16 x^2 + 4 x + 1) (32 x^2 + 16 x + 1)}$$

Sequence: A113867
Score: 9.69589
Type of gen. func.: ogf

$$\frac{32 x^2 + 16 x + 1}{(4 x - 1) (x - 1) (16 x^2 + 4 x + 1)}$$

Sequence: A113870
Score: 5.22672
Type of gen. func.: ogf

$$-(528 f(x) - 35) (16 f(x) x^3 - 16 f(x) x^2 - f(x) x + 12 x^2 + f(x) - 2 x - 1)$$

Sequence: A113870
Score: 5.54765
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 16 a(n + 1) + 16 a(n), a(0) = 1, a(1) = 3, a(2) = 7\}$$

Sequence: A113870
Score: 9.38969
Type of gen. func.: lgdogf

$$-\frac{192 x^4 - 64 x^3 - 4 x^2 + 8 x + 3}{(x - 1) (4 x - 1) (4 x + 1) (12 x^2 - 2 x - 1)}$$

Sequence: A113870
Score: 9.88175
Type of gen. func.: ogf

$$-\frac{12 x^2 - 2 x - 1}{(x - 1) (4 x - 1) (4 x + 1)}$$

Sequence: A113876
Score: 10.3413
Type of gen. func.: ogf

$$-\frac{8 x^2 - 4 x - 1}{(x - 1) (4 x - 1) (4 x + 1)}$$

Sequence: A113876
Score: 5.42918
Type of gen. func.: ogf

$$-(136 f(x) + 35) (16 f(x) x^3 - 16 f(x) x^2 - f(x) x + 8 x^2 + f(x) - 4 x - 1)$$

Sequence: A113876
Score: 5.66522
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 16 a(n + 1) - 16 a(n), a(0) = 1, a(1) = 5, a(2) = 13\}$$

Sequence: A113876
Score: 9.25780
Type of gen. func.: lgdogf

$$-\frac{128 x^4 - 128 x^3 + 24 x^2 + 16 x + 5}{(x - 1) (4 x - 1) (4 x + 1) (8 x^2 - 4 x - 1)}$$

Sequence: A113920
Score: 30.5112
Type of gen. func.: lgdogf

$$\frac{3 x^2 (2 x - 3)}{(x - 1) (x^3 - x + 1)}$$

Sequence: A113920
Score: 8.19249
Type of gen. func.: ogf

$$-\frac{(x^3 - x + 1)^3}{(x - 1)^3}$$

Sequence: A113922
Score: 21.7813
Type of gen. func.: lgdogf

$$\frac{2 (x^2 - 10 x - 23)}{(x - 1) (x^2 + 14 x + 1)}$$

Sequence: A113922
Score: 3.78577
Type of gen. func.: ogf

$\{(n + 4) a(n + 4) + (-7 + 13 n) a(n + 3) + (-46 - 13 n) a(n + 2)$

$+ (1 - n) a(n + 1), a(0) = 1, a(1) = 46, a(2) = 769, a(3) = 5632\}$

Sequence: A113922
Score: 7.05529
Type of gen. func.: ogf

$$\frac{(x^2 + 14 x + 1)^3}{(x - 1)^4}$$

Sequence: A113923
Score: 2.34048
Type of gen. func.: ogf

$$-f(x) x + f(x) + 9 x - 12$$

Sequence: A113923

Score: 6.02057
Type of gen. func.: lgdogf

$$\frac{1}{(x - 1)(3 x - 4)}$$

Sequence: A113946
Score: 14.0249
Type of gen. func.: lgdogf

$$-\frac{16 x^2 + 36 x + 5}{(4 x - 1)(1 + 2 x)(4 x + 1)(x + 1)}$$

Sequence: A113946
Score: 4.83718
Type of gen. func.: ogf

$\{a(n + 4) + a(n + 3) - 16 a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 5, a(2) = 23,$

$a(3) = 81\}$

Sequence: A113946
Score: 5.17998
Type of gen. func.: ogf

$(351 + 1540 f(x))$

$(16 f(x) x^3 + 16 f(x) x^2 + 8 x^3 - f(x) x + 12 x^2 - f(x) + 6 x + 1)$

Sequence: A113946
Score: 9.13689
Type of gen. func.: ogf

$$-\frac{(1 + 2 x)^3}{(4 x - 1)(4 x + 1)(x + 1)}$$

Sequence: A113954
Score: 14.2885
Type of gen. func.: ogf

$$\frac{2 x^{2} - 1}{(2 x - 1) (x + 1)^{2}}$$

Sequence: A113954
Score: 17.3633
Type of gen. func.: lgdogf

$$- \frac{2 x (2 x^{2} - 2 x - 1)}{(2 x - 1) (x + 1) (2 x^{2} - 1)}$$

Sequence: A113954
Score: 8.14290
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 0, a(2) = 1\}$$

Sequence: A113954
Score: 8.50887
Type of gen. func.: ogf

$$(7 f(x) - 8) (2 f(x) x^{3} + 3 f(x) x^{2} - 2 x^{2} - f(x) + 1)$$

Sequence: A113956
Score: 4.44057
Type of gen. func.: ogf

$$-4 f(x)^{2} x^{4} - 15 f(x)^{2} x^{3} - 8 f(x)^{2} x^{2} + 7 f(x)^{2} x - 4 f(x) x^{2} - f(x)^{2} - 3 f(x) x + f(x) - x$$

Sequence: A113968
Score: 10.4466
Type of gen. func.: ogf

$$- \frac{x^{2} (1 + 2 x)}{}$$

$$(4x-1)(4x+1)(x+1)$$

Sequence: A113968
Score: 12.0670
Type of gen. func.: lgdogf

$$-\frac{64x^3+80x^2+32x+1}{(4x-1)(1+2x)(4x+1)(x+1)}$$

Sequence: A113968
Score: 4.98588
Type of gen. func.: ogf

{a(n + 4) + a(n + 3) - 16 a(n + 2) - 16 a(n + 1), a(0) = 0, a(1) = 0, a(2) = 1,

a(3) = 1}

Sequence: A113968
Score: 6.03794
Type of gen. func.: ogf

$$-f(x)\,(16 f(x) x^3 + 16 f(x) x^2 + 2 x^3 - f(x) x + x^2 - f(x))$$

Sequence: A113973
Score: 9.17951
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^5-5x^3+x^2+5x-2}{-x^6+x^5-x^3+x-1}$$

Sequence: A113975
Score: 2.90255
Type of gen. func.: ogf

$$-(7 f(x) + 11)(f(x) x + x^2 - f(x) + 3 x + 2)$$

Sequence: A113975
Score: 5.16011
Type of gen. func.: ogf

$$-\frac{(x + 2)\,(x + 1)}{x - 1}$$

Sequence: A113975
Score: 7.04328
Type of gen. func.: lgdogf

$$\frac{x^2 - 2\,x - 5}{(x - 1)\,(x + 2)\,(x + 1)}$$

Sequence: A113976
Score: 4.76325
Type of gen. func.: ogf

{a(n + 4) - 4 a(n + 3) + 3 a(n + 2), a(0) = 14, a(1) = 133, a(2) = 616,

a(3) = 2128}

Sequence: A113976
Score: 4.88333
Type of gen. func.: ogf

$$-(13319\,f(x) - 134806)$$

$$(3\,f(x)\,x^2 - 63\,x^3 - 4\,f(x)\,x - 126\,x^2 + f(x) - 77\,x - 14)$$

Sequence: A113976
Score: 8.80479
Type of gen. func.: ogf

$$\frac{7\,(3\,x + 2)\,(3\,x + 1)\,(x + 1)}{(3\,x - 1)\,(x - 1)}$$

Sequence: A113977
Score: 8.58713
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3 x^{8} - x^{7} - 3 x^{6} - x^{5} + 4 x^{4} - x^{3} - 3 x^{2} - x - 3}{x^{10} - 1}$$

Sequence: A113979
Score: 12.4525
Type of gen. func.: ogf

$$-\frac{x (3 x - 2)}{(2 x - 1) (2 x^{2} - 1)}$$

Sequence: A113979
Score: 14.5688
Type of gen. func.: lgdogf

$$-\frac{24 x^{3} - 30 x^{2} + 8 x + 1}{(2 x - 1) (3 x - 2) (2 x^{2} - 1)}$$

Sequence: A113979
Score: 6.39452
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 2, a(2) = 1\}$$

Sequence: A113979
Score: 6.63356
Type of gen. func.: ogf

$$(f(x) + 4) (4 f(x) x^{3} - 2 f(x) x^{2} - 2 f(x) x + 3 x^{2} + f(x) - 2 x)$$

Sequence: A113980
Score: 11.6359
Type of gen. func.: ogf

$$(x - 1)^{2}$$

$$\overline{(2 x - 1) (2 x^2 - 1)}$$

Sequence: A113980
Score: 16.6500
Type of gen. func.: lgdogf

$$- \frac{2 x (2 x^2 - 6 x + 3)}{(x - 1) (2 x - 1) (2 x^2 - 1)}$$

Sequence: A113980
Score: 5.96463
Type of gen. func.: ogf

$$-(460 f(x) + 269) (4 f(x) x^3 - 2 f(x) x^2 - 2 f(x) x - x^2 + f(x) + 2 x - 1)$$

Sequence: A113980
Score: 6.39452
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 0, a(2) = 3\}$$

Sequence: A114014
Score: 11.1484
Type of gen. func.: lgdogf

$$\frac{32 x^3 + 16 x^2 - 38 x - 7}{(4 x - 1) (1 + 2 x) (4 x + 1) (x + 1)}$$

Sequence: A114014
Score: 4.06991
Type of gen. func.: ogf

$$\{-a(n + 5) - a(n + 4) + 16 a(n + 3) + 16 a(n + 2), a(0) = 1, a(1) = 7,$$
$$a(2) = 33, a(3) = 127, a(4) = 529\}$$

Sequence: A114014
Score: 4.32787
Type of gen. func.: ogf

$$-(7964 f(x) - 1323)$$
$$(16 f(x) x^3 + 16 x^4 + 16 f(x) x^2 + 32 x^3 - f(x) x + 24 x^2 - f(x) + 8 x + 1)$$

Sequence: A114014
Score: 7.49459
Type of gen. func.: ogf

$$- \frac{(1 + 2 x)^4}{(4 x - 1) (4 x + 1) (x + 1)}$$

Sequence: A114022
Score: 6.41173
Type of gen. func.: ogf

$$- x (26 x^{14} - 2 x^{13} - 2 x^{12} - 2 x^{11} - 2 x^{10} + 48 x^9 - 66 x^8 + 5 x^3 - 4 x^2 - x$$
$$- 1) \bigg/ (x - 1)^2$$

Sequence: A114040
Score: 11.8223
Type of gen. func.: lgdogf

$$- \frac{7 x^4 - 4 x^3 - 38 x^2 + 28 x - 9}{(x - 1) (x^2 - 6 x + 1) (7 x^2 - 2 x - 1)}$$

Sequence: A114040
Score: 12.0280
Type of gen. func.: ogf

$$\frac{7 x^2 - 2 x - 1}{(x - 1) (x^2 - 6 x + 1)}$$

Sequence: A114040
Score: 6.38005
Type of gen. func.: ogf

$$(153 f(x) + 143) (f(x) x^{3} - 7 f(x) x^{2} + 7 f(x) x - 7 x^{2} - f(x) + 2 x + 1)$$

Sequence: A114040
Score: 6.49296
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 7 a(n + 1) - a(n), a(0) = 1, a(1) = 9, a(2) = 49\}$$

Sequence: A114044
Score: 7.36764
Type of gen. func.: ogf

$$(x^{2} + x + 1) (x^{23} - x^{22} + x^{20} - x^{19} + x^{17} - x^{16} + x^{14} - x^{13} + x^{11} - x^{10} - x^{3} + x^{2} - 1) / (2 x^{25} + x^{20} + 2 x^{15} + 2 x^{11} + x^{10} + 2 x^{6} + x^{2} - 1)$$

Sequence: A114046
Score: 11.6937
Type of gen. func.: ogf

$$- \frac{1151 x - 1}{x^{2} - 2302 x + 1}$$

Sequence: A114046
Score: 12.7487
Type of gen. func.: lgdogf

$$- \frac{1151 x^{2} - 2 x + 1151}{(1151 x - 1) (x^{2} - 2302 x + 1)}$$

Sequence: A114046
Score: 5.57362
Type of gen. func.: ogf

$$-(2649600 f(x) - 1324799) (f(x) x^2 - 2302 f(x) x + f(x) + 1151 x - 1)$$

Sequence: A114046
Score: 6.77702
Type of gen. func.: ogf

$$\{a(n + 2) - 2302 a(n + 1) + a(n), a(0) = 1, a(1) = 1151\}$$

Sequence: A114047
Score: 11.0827
Type of gen. func.: ogf

$$-\frac{649 x - 1}{x^2 - 1298 x + 1}$$

Sequence: A114047
Score: 5.32821
Type of gen. func.: ogf

$$-(842400 f(x) - 421199) (f(x) x^2 - 1298 f(x) x + f(x) + 649 x - 1)$$

Sequence: A114047
Score: 6.36937
Type of gen. func.: ogf

$$\{a(n + 2) - 1298 a(n + 1) + a(n), a(0) = 1, a(1) = 649\}$$

Sequence: A114047
Score: 9.59160
Type of gen. func.: revogf

$$2 \quad 1/2$$

$$-\frac{-1 - 1298 x + (1684800 x + 1)}{2 (x + 649)}$$

Sequence: A114048
Score: 11.2442
Type of gen. func.: lgdogf

$$-\frac{2 (85 x^2 - x + 85)}{(170 x - 1) (x^2 - 340 x + 1)}$$

Sequence: A114048
Score: 4.55156
Type of gen. func.: ogf

$$-(28899 f(x) - 14449) (f(x) x^2 - 340 f(x) x + f(x) + 170 x - 1)$$

Sequence: A114048
Score: 5.34544
Type of gen. func.: ogf

$$\{a(n + 2) - 340 a(n + 1) + a(n), a(0) = 1, a(1) = 170\}$$

Sequence: A114048
Score: 9.38180
Type of gen. func.: ogf

$$-\frac{170 x - 1}{x^2 - 340 x + 1}$$

Sequence: A114049
Score: 11.4436
Type of gen. func.: lgdogf

$$-\frac{55 x^2 - 2 x + 55}{(55 x - 1) (x^2 - 110 x + 1)}$$

Sequence: A114049
Score: 4.65879
Type of gen. func.: ogf

$$-(6048 f(x) - 3023) (f(x) x^2 - 110 f(x) x + f(x) + 55 x - 1)$$

Sequence: A114049
Score: 5.37131
Type of gen. func.: ogf

$$\{a(n + 2) - 110 a(n + 1) + a(n), a(0) = 1, a(1) = 55\}$$

Sequence: A114049
Score: 9.51169
Type of gen. func.: ogf

$$-\frac{55 x - 1}{x^2 - 110 x + 1}$$

Sequence: A114050
Score: 11.0046
Type of gen. func.: lgdogf

$$-\frac{197 x^2 - 2 x + 197}{(197 x - 1) (x^2 - 394 x + 1)}$$

Sequence: A114050
Score: 4.67458
Type of gen. func.: ogf

$$-(77616 f(x) - 38807) (f(x) x^2 - 394 f(x) x + f(x) + 197 x - 1)$$

Sequence: A114050
Score: 5.48992
Type of gen. func.: ogf

{a(n + 2) - 394 a(n + 1) + a(n), a(0) = 1, a(1) = 197}

Sequence: A114050
Score: 9.63537
Type of gen. func.: ogf

$$-\frac{197 x - 1}{x^2 - 394 x + 1}$$

Sequence: A114051
Score: 13.2017
Type of gen. func.: revogf

$$-\frac{-1 - 48 x + (2300 x^2 + 1)^{1/2}}{2 (x + 24)}$$

Sequence: A114051
Score: 13.2730
Type of gen. func.: ogf

$$-\frac{24 x - 1}{x^2 - 48 x + 1}$$

Sequence: A114051
Score: 13.8966
Type of gen. func.: lgdogf

$$-\frac{2 (12 x^2 - x + 12)}{(24 x - 1) (x^2 - 48 x + 1)}$$

Sequence: A114051
Score: 6.56666
Type of gen. func.: ogf

2

$$-(575 f(x) - 287) (f(x) x - 48 f(x) x + f(x) + 24 x - 1)$$

Sequence: A114051
Score: 7.42658
Type of gen. func.: ogf

$$\{a(n + 2) - 48 a(n + 1) + a(n), a(0) = 1, a(1) = 24\}$$

Sequence: A114052
Score: 11.6389
Type of gen. func.: ogf

$$-\frac{26 x - 1}{x^2 - 52 x + 1}$$

Sequence: A114052
Score: 13.4048
Type of gen. func.: revogf

$$-\frac{-1 - 52 x + (2700 x^2 + 1)^{1/2}}{2 (x + 26)}$$

Sequence: A114052
Score: 14.1104
Type of gen. func.: lgdogf

$$-\frac{2 (13 x^2 - x + 13)}{(26 x - 1) (x^2 - 52 x + 1)}$$

Sequence: A114052
Score: 5.75817
Type of gen. func.: ogf

$$-(675 f(x) - 337) (f(x) x^2 - 52 f(x) x + f(x) + 26 x - 1)$$

Sequence: A114052
Score: 6.51221
Type of gen. func.: ogf

$$\{a(n + 2) - 52 a(n + 1) + a(n), a(0) = 1, a(1) = 26\}$$

Sequence: A114091
Score: 5.44457
Type of gen. func.: ogf

$$-\frac{x^8 - 2 x^5 - x^4 - x^3 + 2 x^2 + x + 1}{(x - 1)^3 (x^2 + x + 1)^3}$$

Sequence: A114091
Score: 5.69416
Type of gen. func.: lgdogf

$$-\frac{x^{10} - 5 x^6 - 6 x^5 + 4 x^4 + 4 x^3 + 6 x^2 + 4 x + 1}{(x - 1) (x^2 + x + 1) (x^8 - 2 x^5 - x^4 - x^3 + 2 x^2 + x + 1)}$$

Sequence: A114099
Score: 19.7757
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^8}{-x^9 + 1}$$

Sequence: A114099
Score: 6.31546
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 - x + 1) (x^6 - x^3 + 1) (x^{36} - x^{27} + 1)}{3 x^{45} + x^{36} - 2 x^{27} - 2 x^{18} + 1}$$

Sequence: A114111
Score: 6.23771
Type of gen. func.: ogf

$$-(9608 x^{22} - 9608 x^{21} + 24 x^{16} - 24 x^{15} + 8 x^{9} - 4 x^{8} - 4 x^{7} + 2 x^{6} - 2 x^{5} - x^{3} - 1) \Big/ (x - 1)^{2}$$

Sequence: A114112
Score: 11.6636
Type of gen. func.: ogf

$$\frac{x^{4} - 2 x^{3} + x^{2} + x + 1}{(x + 1) (x - 1)^{2}}$$

Sequence: A114112
Score: 14.6832
Type of gen. func.: lgdogf

$$\frac{x^{5} - x^{4} - 3 x^{3} + 3 x^{2} - 6 x - 2}{(x - 1) (x + 1) (x^{4} - 2 x^{3} + x^{2} + x + 1)}$$

Sequence: A114112
Score: 6.75263
Type of gen. func.: ogf

$$-(4 f(x) + 183) (f(x) x^{3} - x^{4} - f(x) x^{2} + 2 x^{3} - f(x) x - x^{2} + f(x) - x - 1)$$

Sequence: A114113
Score: 10.7249
Type of gen. func.: ogf

$$-\frac{x^{4} - 2 x^{3} + x^{2} + x + 1}{(x + 1) (x - 1)^{3}}$$

Sequence: A114113
Score: 16.1988
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - x^2 + 8 x + 3}{(x - 1) (x + 1) (x^4 - 2 x^3 + x^2 + x + 1)}$$

Sequence: A114113
Score: 6.02789
Type of gen. func.: ogf

$$-(3896 f(x) - 1851)$$

$$(f(x) x^4 - 2 f(x) x^3 + x^4 - 2 x^3 + 2 f(x) x + x^2 - f(x) + x + 1)$$

Sequence: A114119
Score: 12.9918
Type of gen. func.: ogf

$$- \frac{x^3 - x^2 - 2 x - 1}{(x + 1) (x - 1)^2}$$

Sequence: A114119
Score: 21.4497
Type of gen. func.: lgdogf

$$\frac{(x + 3) (1 + 2 x)}{(x - 1) (x + 1) (x^3 - x^2 - 2 x - 1)}$$

Sequence: A114119
Score: 6.79117
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3) - a(n + 2) + a(n + 1), a(0) = 1, a(1) = 3, a(2) = 5, a(3) = 6\}$$

Sequence: A114119
Score: 7.22929
Type of gen. func.: ogf

$$-(3 f(x) + 67) (f(x) x^3 - f(x) x^2 + x^3 - f(x) x - x^2 + f(x) - 2 x - 1)$$

Sequence: A114121
Score: 4.67185
Type of gen. func.: ogf

$$\{(-16 n - 8) a(n) + (8 n + 10) a(n + 1) + (-n - 2) a(n + 2), a(0) = 1, a(1) = 2, a(2) = 7\}$$

Sequence: A114121
Score: 5.90127
Type of gen. func.: ogf

$$16 f(x)^2 x^2 - 8 f(x)^2 x - 8 f(x) x^2 + f(x)^2 + 6 f(x) x + x^2 - f(x)$$

Sequence: A114122
Score: 4.29483
Type of gen. func.: ogf

$$(116 f(x) - 103) (4 f(x) x^4 + 4 f(x) x^3 - 2 f(x) x + x^2 - f(x) + 2 x + 1)$$

Sequence: A114122
Score: 8.09680
Type of gen. func.: ogf

$$- \frac{(x + 1)^2}{(2 x^2 - 1) (2 x^2 + 2 x + 1)}$$

Sequence: A114122
Score: 9.54918
Type of gen. func.: lgdogf

$$-\frac{2 x (1 + 2 x) (2 x^2 + 4 x + 1)}{(x + 1) (2 x^2 - 1) (2 x^2 + 2 x + 1)}$$

Sequence: A114138
Score: 4.36109
Type of gen. func.: ogf

$$(x^{19} - 2 x^{18} - x^9 + 2 x^8 - x^4 + 2 x^3 - x + 1) / (4 x^{19} - 4 x^{18} + 2 x^{14} - 4 x^{13} + 2 x^{11} - 2 x^{10} - 2 x^9 + 2 x^6 - 2 x^5 - 3 x^4 + 3 x^3 - 2 x + 1)$$

Sequence: A114140
Score: 4.36109
Type of gen. func.: ogf

$$(x^{19} - 2 x^{18} - x^9 + 2 x^8 - x^4 + 2 x^3 - x + 1) / (4 x^{19} - 4 x^{18} + 2 x^{14} - 4 x^{13} + 2 x^{11} - 2 x^{10} - 2 x^9 + 2 x^6 - 2 x^5 - 3 x^4 + 3 x^3 - 2 x + 1)$$

Sequence: A114142
Score: 10.6162
Type of gen. func.: ogf

$$(2 f(x) + 5) (f(x) x^2 - 2 f(x) x + f(x) + x - 2)$$

Sequence: A114142
Score: 11.0046
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 2, a(1) = 3\}$$

Sequence: A114142
Score: 20.0528
Type of gen. func.: ogf

$$-\frac{x-2}{(x-1)^2}$$

Sequence: A114142
Score: 30.5266
Type of gen. func.: revogf

$$\frac{x}{(x+1)^{1/2}\,(1+(x+1)^{1/2})}$$

Sequence: A114142
Score: 49.1817
Type of gen. func.: lgdogf

$$-\frac{-3+x}{(x-1)\,(x-2)}$$

Sequence: A114143
Score: 15.0214
Type of gen. func.: revogf

$$-\frac{-2-x+(x+4)^{1/2}}{x+3}$$

Sequence: A114143
Score: 15.6473
Type of gen. func.: lgdogf

$$-\frac{-5+3\,x}{(x-1)\,(3\,x-4)}$$

Sequence: A114143
Score: 4.53464
Type of gen. func.: ogf

$$(2\,f(x)+17)\,(f(x)\,x^2-2\,f(x)\,x+f(x)+3\,x-4)$$

Sequence: A114143
Score: 4.75584
Type of gen. func.: ogf

$$\{-a(n+2)+2\,a(n+1)-a(n),\ a(0)=4,\ a(1)=5\}$$

Sequence: A114143
Score: 8.66620
Type of gen. func.: ogf

$$-\frac{3x-4}{(x-1)^2}$$

Sequence: A114182
Score: 4.1527
Type of gen. func.: ogf

$$(1694704\,f(x)-84053)$$

$$(f(x)\,x^4-9\,f(x)\,x^3+16\,f(x)\,x^2-x^3-9\,f(x)\,x+7\,x^2+f(x)-16\,x)$$

Sequence: A114182
Score: 8.02856
Type of gen. func.: ogf

$$\frac{x\,(x^2-7x+16)}{(x^2-7x+1)\,(x-1)^2}$$

Sequence: A114185
Score: 10.5632
Type of gen. func.: ogf

$$\frac{x\,(x-2)^2}{(x^2-3x+1)\,(x-1)^2}$$

Sequence: A114185
Score: 3.87493
Type of gen. func.: ogf

$$\{(-n - 6)\, a(n + 1) + (4 n + 23)\, a(n + 2) + (-4 n - 21)\, a(n + 3) + (n + 5)\, a(n + 4),\ a(0) = 0,\ a(1) = 4,\ a(2) = 16,\ a(3) = 49\}$$

Sequence: A114185
Score: 5.43036
Type of gen. func.: ogf

$$-(743 f(x) - 3176)$$

$$(f(x)\, x^4 - 5 f(x)\, x^3 + 8 f(x)\, x^2 - x^3 - 5 f(x)\, x + 4 x^2 + f(x) - 4 x)$$

Sequence: A114185
Score: 5.90117
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 11 x^2 + 19 x - 8}{(x - 2)(x - 1)(x^2 - 3 x + 1)}$$

Sequence: A114190
Score: 10.2450
Type of gen. func.: lgdogf

$$\frac{4 x + 29 x^2 - 24 x^3 + ((8 x + 1)(x^2 + 10 x - 2)^2)^{1/2}}{2 (8 x + 1)(x^3 - 2 x^2 - 1)}$$

Sequence: A114190
Score: 8.27691
Type of gen. func.: ogf

$$-f(x)^2 x^3 + 2 f(x)^2 x^2 + f(x)^2 - f(x)\, x - 3 f(x) + 2$$

Sequence: A114191
Score: 13.579
Type of gen. func.: ogf

$$f(x)^{2} x - f(x)^{2} + 3 f(x) - 2$$

Sequence: A114191
Score: 18.3873
Type of gen. func.: lgdogf

$$\frac{-1 - 8 x + 3 (8 x + 1)^{1/2}}{2 (8 x + 1) (x - 1)}$$

Sequence: A114191
Score: 26.6299
Type of gen. func.: revogf

$$\frac{(3 + x + (x^{2} + 6 x + 1)^{1/2}) x}{4}$$

Sequence: A114191
Score: 4.94597
Type of gen. func.: ogf

$$\{(-8 n - 12) a(n + 1) + (7 n + 9) a(n + 2) + (n + 3) a(n + 3), a(0) = 1, a(1) = -1, a(2) = 3\}$$

Sequence: A114194
Score: 7.55819
Type of gen. func.: ogf

$$-f(x)^{2} x^{3} + 4 f(x)^{2} x^{2} - 3 f(x)^{2} x - f(x) x - 2 f(x) + 2$$

Sequence: A114196
Score: 11.7528
Type of gen. func.: ogf

$$3 x - 1$$

$$-\frac{}{x^{3}+8x^{2}-6x+1}$$

Sequence: A114196
Score: 12.7122
Type of gen. func.: lgdogf

$$-\frac{6x^{3}+21x^{2}-16x+3}{(3x-1)(x^{3}+8x^{2}-6x+1)}$$

Sequence: A114196
Score: 5.51237
Type of gen. func.: ogf

$$\{a(n+3)-6a(n+2)+8a(n+1)+a(n),\ a(0)=1,\ a(1)=3,\ a(2)=10\}$$

Sequence: A114196
Score: 5.66271
Type of gen. func.: ogf

$$-(251f(x)-21)(f(x)x^{3}+8f(x)x^{2}-6f(x)x+f(x)+3x-1)$$

Sequence: A114199
Score: 12.0588
Type of gen. func.: lgdogf

$$-\frac{2(x^{4}-x^{3}-3x^{2}+3x-1)}{(x-1)(x^{4}+2x^{3}-5x^{2}+4x-1)}$$

Sequence: A114199
Score: 5.41471
Type of gen. func.: ogf

$$-f(x)(f(x)x^{4}+2f(x)x^{3}-5f(x)x^{2}+4f(x)x+x^{2}-f(x)-2x+1)$$

Sequence: A114199
Score: 9.80926
Type of gen. func.: ogf

$$-\frac{(x-1)^2}{x^4+2x^3-5x^2+4x-1}$$

Sequence: A114203
Score: 10.2529
Type of gen. func.: ogf

$$-\frac{(x-1)^2}{(2x^2-2x+1)(x^2+2x-1)}$$

Sequence: A114203
Score: 11.3745
Type of gen. func.: lgdogf

$$-\frac{2(2x^4-3x^3-3x^2+3x-1)}{(x-1)(2x^2-2x+1)(x^2+2x-1)}$$

Sequence: A114203
Score: 5.4841
Type of gen. func.: ogf

$$(2f(x)-1)$$

$$(2f(x)x^4+2f(x)x^3-5f(x)x^2+4f(x)x+x^2-f(x)-2x+1)$$

Sequence: A114208
Score: 6.69161
Type of gen. func.: ogf

$$-\frac{2x^6+2x^5+2x^4+2x^3+x^2+x+1}{(x^2+x+1)(x-1)^3(x+1)^3}$$

Sequence: A114208
Score: 7.16756
Type of gen. func.: lgdogf

$$-\frac{2x(2x^8+4x^7+10x^6+17x^5+21x^4+18x^3+15x^2+9x+3)}{(x-1)(x+1)(x^2+x+1)(2x^6+2x^5+2x^4+2x^3+x^2+x+1)}$$

Sequence: A114209
Score: 14.4062
Type of gen. func.: ogf

$$-\frac{x}{(x^2+x+1)(x+1)^2(x-1)^3}$$

Sequence: A114209
Score: 22.9045
Type of gen. func.: lgdogf

$$-\frac{x(7x^2+7x+4)}{(x-1)(x+1)(x^2+x+1)}$$

Sequence: A114209
Score: 35.0255
Type of gen. func.: ogf_with_Euler_transform]

$$[x^2+2x]$$

Sequence: A114210
Score: 6.48412
Type of gen. func.: ogf

$$-\frac{x(x^6+x^5+2x^4+2x^3+2x^2+2x+1)}{(x^2+x+1)(x-1)^3(x+1)^3}$$

Sequence: A114210
Score: 6.98533
Type of gen. func.: lgdogf

$$-\frac{2x^9+4x^8+14x^7+25x^6+38x^5+43x^4+40x^3+23x^2+8x+1}{(x-1)(x+1)(x^2+x+1)(x^6+x^5+2x^4+2x^3+2x^2+2x+1)}$$

Sequence: A114211
Score: 15.5613
Type of gen. func.: lgdogf

$$-\frac{2(x+1)(x^2-4x-2)}{(x-1)(2x^3-6x^2-1)}$$

Sequence: A114211
Score: 4.70436
Type of gen. func.: ogf

$(95875 f(x) + 539233)$

$$(f(x)x^4-4f(x)x^3+6f(x)x^2+2x^3-4f(x)x-6x^2+f(x)-1)$$

Sequence: A114211
Score: 9.15096
Type of gen. func.: ogf

$$-\frac{2x^3-6x^2-1}{(x-1)^4}$$

Sequence: A114215
Score: 7.34942
Type of gen. func.: lgdogf

$$2(x^9-4x^7-5x^6+3x^5+6x^4+2x^3+2x^2+4x+1)$$

$$- \frac{\quad}{(x+1)(x^2+1)(x^2+x-1)(x^2-x-1)(x^3-x^2-x-1)}$$

Sequence: A114215
Score: 9.49553
Type of gen. func.: ogf

$$- \frac{x(x+1)(x^3-x^2-x-1)}{(x^2+1)(x^2+x-1)(x^2-x-1)}$$

Sequence: A114220
Score: 10.0595
Type of gen. func.: ogf

$$- \frac{2x^3-x^2-x+1}{(x+1)^2(x-1)^3}$$

Sequence: A114220
Score: 18.3202
Type of gen. func.: lgdogf

$$- \frac{x(4x^3-x^2+x+2)}{(x-1)(x+1)(2x^3-x^2-x+1)}$$

Sequence: A114239
Score: 10.4131
Type of gen. func.: lgdogf

$$- \frac{2(2x^4+27x^3+75x^2+55x+9)}{(x-1)(x^4+10x^3+20x^2+10x+1)}$$

Sequence: A114239
Score: 3.75563
Type of gen. func.: ogf

$$\{(-n^2 - 9 n - 20) a(n + 1) + (2 n^2 + 16 n + 60) a(n + 2)$$

$$+ (-n^2 - 7 n - 12) a(n + 3), a(0) = 1, a(1) = 18, a(2) = 136\}$$

Sequence: A114239
Score: 5.43815
Type of gen. func.: ogf

$$\frac{x^4 + 10 x^3 + 20 x^2 + 10 x + 1}{(x - 1)^8}$$

Sequence: A114240
Score: 13.6728
Type of gen. func.: lgdogf

$$-\frac{8 x^3 + 56 x^2 + 68 x + 15}{(x - 1) (2 x^3 + 10 x^2 + 8 x + 1)}$$

Sequence: A114240
Score: 3.57562
Type of gen. func.: ogf

$$\{(-102 n^2 - 922 n - 2060) a(n + 1) + (155 n^2 + 985 n + 2730) a(n + 2)$$

$$+ (-53 n^2 - 357 n - 594) a(n + 3), a(0) = 1, a(1) = 15, a(2) = 94\}$$

Sequence: A114240
Score: 6.57779
Type of gen. func.: ogf

$$-\frac{2 x^3 + 10 x^2 + 8 x + 1}{(x - 1)^7}$$

Sequence: A114241
Score: 19.0616
Type of gen. func.: lgdogf

$$-\frac{2 (x + 2) (8 x + 3)}{(x - 1) (4 x^2 + 6 x + 1)}$$

Sequence: A114241
Score: 7.95544
Type of gen. func.: ogf

$$\frac{4 x^2 + 6 x + 1}{(x - 1)^6}$$

Sequence: A114242
Score: 14.2573
Type of gen. func.: lgdogf

$$-\frac{5 x^3 + 39 x^2 + 54 x + 14}{(x - 1) (x + 1) (x^2 + 5 x + 1)}$$

Sequence: A114242
Score: 3.77659
Type of gen. func.: ogf

$$\{(-n^2 - 11 n - 30) a(n + 1) + (2 n^2 + 18 n + 56) a(n + 2)$$
$$+ (-n^2 - 7 n - 12) a(n + 3), a(0) = 1, a(1) = 14, a(2) = 90\}$$

Sequence: A114242
Score: 5.99616
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 5 x + 1)}{(x - 1)^8}$$

Sequence: A114243
Score: 19.1731
Type of gen. func.: lgdogf

$$-\frac{3 (x + 2) (5 x + 2)}{(x - 1) (3 x^2 + 5 x + 1)}$$

Sequence: A114243
Score: 4.01919
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + 4 n a(n + 3) + (-40 - 2 n) a(n + 2) + (-18 - 3 n) a(n + 1),$$

$$a(0) = 1, a(1) = 12, a(2) = 66, a(3) = 245\}$$

Sequence: A114243
Score: 8.03837
Type of gen. func.: ogf

$$-\frac{3 x^2 + 5 x + 1}{(x - 1)^7}$$

Sequence: A114244
Score: 14.9780
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 33 x^2 + 48 x + 13}{(x - 1) (x + 1) (x^2 + 5 x + 1)}$$

Sequence: A114244
Score: 3.98724
Type of gen. func.: ogf

$$\{(-n^2 - 9 n - 20) a(n + 1) + (2 n^2 + 16 n + 50) a(n + 2)$$

$$+ (-n^2 - 7 n - 12) a(n + 3), a(0) = 1, a(1) = 13, a(2) = 76\}$$

Sequence: A114244
Score: 6.83528
Type of gen. func.: ogf

$$-\frac{(x+1)(x^2+5x+1)}{(x-1)^7}$$

Sequence: A114254
Score: 14.6208
Type of gen. func.: lgdogf

$$-\frac{3x^3+23x^2+77x+25}{(x-1)(3x^3+7x^2+21x+1)}$$

Sequence: A114254
Score: 3.84212
Type of gen. func.: ogf

$$\{(47n^2+217n+246)a(n+1)+(74n^2+909n+1947)a(n+2)$$
$$+(-121n^2-622n-777)a(n+3),\ a(0)=1,\ a(1)=25,\ a(2)=101\}$$

Sequence: A114254
Score: 4.93624
Type of gen. func.: ogf

$$(2392576 f(x)+23678621)($$
$$f(x)x^4-4f(x)x^3+6f(x)x^2-3x^3-4f(x)x-7x^2+f(x)-21x-1)$$

Sequence: A114254
Score: 9.55605
Type of gen. func.: ogf

$$3x^3+7x^2+21x+1$$

$$\overline{}$$
$$(x - 1)^4$$

Sequence: A114277
Score: 3.44143
Type of gen. func.: ogf

$$\{(-4 n^2 - 34 n - 72) a(n + 1) + (5 n^2 + 44 n + 93) a(n + 2) + (-n^2 - 10 n - 21) a(n + 3), a(0) = 1, a(1) = 5, a(2) = 19\}$$

Sequence: A114277
Score: 8.47480
Type of gen. func.: lgdogf

$$20 - 53 x + 36 x^2 + (24 x^3 - 46 x^2 + 26 x - 4) f(x) + (4 x^4 - 9 x^3 + 6 x^2 - x) f(x)^2$$

Sequence: A114285
Score: 14.2274
Type of gen. func.: ogf

$$- \frac{3 x - 1}{(x + 1) (x - 1)^2}$$

Sequence: A114285
Score: 31.0735
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^2 + 1)}{(x - 1) (3 x - 1) (x + 1)}$$

Sequence: A114285
Score: 6.73259
Type of gen. func.: ogf

{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = -2, a(2) = -1}

Sequence: A114285
Score: 6.79325
Type of gen. func.: ogf

$$-(108 f(x) - 199) (f(x) x^3 - f(x) x^2 - f(x) x + f(x) + 3 x - 1)$$

Sequence: A114300
Score: 6.69800
Type of gen. func.: ogf

$$-\frac{3 x^6 - 6 x^5 - 6 x^4 + 5 x^3 - x^2 - x + 1}{(x - 1) (x + 1) (x^2 - 3 x + 1)}$$

Sequence: A114307
Score: 12.5433
Type of gen. func.: ogf

$$\frac{12 (25 x^2 + 5 x - 1)}{10 x - 1}$$

Sequence: A114307
Score: 15.0095
Type of gen. func.: lgdogf

$$\frac{5 (50 x^2 - 10 x + 1)}{(10 x - 1) (25 x^2 + 5 x - 1)}$$

Sequence: A114307
Score: 7.04681
Type of gen. func.: ogf

{-a(n + 3) + 10 a(n + 2), a(0) = 12, a(1) = 60, a(2) = 300}

Sequence: A114307
Score: 7.37842
Type of gen. func.: ogf

$$-(f(x) - 12) (10 f(x) x - 300 x^2 - f(x) - 60 x + 12)$$

Sequence: A114336
Score: 4.86577
Type of gen. func.: ogf

$$- \frac{x^7 + 2 x^6 + 2 x^5 - 4 x^4 - 11 x^3 - 12 x^2 - 7 x - 3}{(x^2 + x + 1) (x^6 - 6 x^3 + 1)}$$

Sequence: A114358
Score: 11.0220
Type of gen. func.: ogf

$$\frac{60 x^3 + 543 x^2 + 320 x + 1}{(x - 1)^2}$$

Sequence: A114358
Score: 12.0868
Type of gen. func.: lgdogf

$$\frac{2 (30 x^3 - 90 x^2 - 703 x - 161)}{(x - 1) (60 x^3 + 543 x^2 + 320 x + 1)}$$

Sequence: A114358
Score: 5.63918
Type of gen. func.: ogf

$$-(623237538 f(x) - 220481840939)$$

$$(f(x) x^2 - 60 x^3 - 2 f(x) x - 543 x^2 + f(x) - 320 x - 1)$$

```
------------------------------------------------------------------------------

Sequence:  A114358
Score: 5.96275
Type of gen. func.: ogf


{a(n + 4) - 2 a(n + 3) + a(n + 2), a(0) = 1, a(1) = 322, a(2) = 1186,

    a(3) = 2110}



------------------------------------------------------------------------------

Sequence:  A114359
Score: 5.02073
Type of gen. func.: ogf


(268801023855507 f(x) + 2997964984709372407)

         4         2        3                    2
    (-7 x  + f(x) x  - 441 x  - 2 f(x) x - 2142 x  + f(x) - 841 x - 1)



------------------------------------------------------------------------------

Sequence:  A114359
Score: 9.59009
Type of gen. func.: lgdogf


                        4        3         2
                    14 x  + 413 x  - 1323 x  - 5125 x - 843
                 ---------------------------------------------
                             4        3         2
                 (x - 1) (7 x  + 441 x  + 2142 x  + 841 x + 1)



------------------------------------------------------------------------------

Sequence:  A114359
Score: 9.77721
Type of gen. func.: ogf


                         4        3          2
                      7 x  + 441 x  + 2142 x  + 841 x + 1
                      -----------------------------------
                                                2
                                   (x - 1)



------------------------------------------------------------------------------

Sequence:  A114360
Score: 4.70192
Type of gen. func.: ogf


(75448619453570220 f(x) + 1400067135551055539197)

           4         2         3                     2
    (-112 x  + f(x) x  - 2576 x  - 2 f(x) x - 7976 x  + f(x) - 2205 x - 1)
```

Sequence: A114360
Score: 8.62309
Type of gen. func.: lgdogf

$$\frac{224 x^4 + 2128 x^3 - 7728 x^2 - 18157 x - 2207}{(x - 1) (112 x^4 + 2576 x^3 + 7976 x^2 + 2205 x + 1)}$$

Sequence: A114360
Score: 9.22754
Type of gen. func.: ogf

$$\frac{112 x^4 + 2576 x^3 + 7976 x^2 + 2205 x + 1}{(x - 1)^2}$$

Sequence: A114361
Score: 6.93578
Type of gen. func.: lgdogf

$$\frac{27 x^5 + 2061 x^4 + 8955 x^3 - 39501 x^2 - 63004 x - 5778}{(x - 1) (9 x^5 + 1053 x^4 + 13167 x^3 + 28614 x^2 + 5776 x + 1)}$$

Sequence: A114361
Score: 7.92367
Type of gen. func.: ogf

$$\frac{9 x^5 + 1053 x^4 + 13167 x^3 + 28614 x^2 + 5776 x + 1}{(x - 1)^2}$$

Sequence: A114364
Score: 12.2519
Type of gen. func.: ogf

$$\frac{2 (x + 2)}{(x - 1)^4}$$

Sequence: A114364
Score: 36.6356
Type of gen. func.: lgdogf

$$-\frac{3(x+3)}{(x+2)(x-1)}$$

Sequence: A114364
Score: 4.88475
Type of gen. func.: ogf

{(-2 n - 6) a(n + 3) + (11 + n) a(n + 2) + (n + 4) a(n + 1), a(0) = 4,

a(1) = 18, a(2) = 48}

Sequence: A114364
Score: 5.79354
Type of gen. func.: ogf

$$(16983 f(x) + 78220)\,(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + f(x) - 2 x - 4)$$

Sequence: A114444
Score: 14.8161
Type of gen. func.: ogf

$$\frac{16 x (-3 + x)}{(x - 1)^3}$$

Sequence: A114444
Score: 21.1222
Type of gen. func.: lgdogf

$$-\frac{2(-4+x)}{(x-1)(-3+x)}$$

Sequence: A114444
Score: 7.66796
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 0,\ a(1) = 48,\ a(2) = 128\}$$

Sequence: A114444
Score: 7.9468
Type of gen. func.: ogf

$$(f(x) + 18)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x - 16\,x^2 - f(x) + 48\,x)$$

Sequence: A114464
Score: 6.44641
Type of gen. func.: ogf

$$f(x)\,x^3 + f(x)^2\,x - 3\,f(x)\,x^2 + f(x)\,x + x^2 - f(x) - x + 1$$

Sequence: A114465
Score: 6.9386
Type of gen. func.: ogf

$$f(x)^2\,x^3 - f(x)^2\,x^2 + f(x)^2\,x + f(x)\,x^2 - f(x) + 1$$

Sequence: A114465
Score: 7.51145
Type of gen. func.: revogf

$$-\frac{x\,(x-1)\,(x^6 - 3\,x^4 - 4\,x^2 - 1)\,(x^6 + x^4 - 2\,x^2 - 1)}{(x^4 - x^2 - 1)\,(5\,x^8 + 5\,x^6 - 5\,x^4 - 5\,x^2 - 1)}$$

Sequence: A114479
Score: 13.3144
Type of gen. func.: ogf

$$-\frac{4\,x - 3}{2}$$

$$8 x - 8 x + 1$$

Sequence: A114479
Score: 13.6550
Type of gen. func.: revogf

$$-\frac{-3 - 8 x + (32 x^{2} + 32 x + 9)^{1/2}}{8 (1 + 2 x)}$$

Sequence: A114479
Score: 15.0555
Type of gen. func.: lgdogf

$$-\frac{4 (8 x^{2} - 12 x + 5)}{(4 x - 3) (8 x^{2} - 8 x + 1)}$$

Sequence: A114479
Score: 6.73198
Type of gen. func.: ogf

$$-(7 f(x) + 4) (8 f(x) x^{2} - 8 f(x) x + f(x) + 4 x - 3)$$

Sequence: A114479
Score: 7.21863
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 8 a(n), a(0) = 3, a(1) = 20\}$$

Sequence: A114479
Score: 8.55923
Type of gen. func.: lgdogf

$$-\frac{-32 x^{2} + 48 x - 20}{-32 x^{3} + 56 x^{2} - 28 x + 3}$$

Sequence: A114480
Score: 11.2123
Type of gen. func.: revogf

$$-\frac{-4 - 15 x + (125 x^2 + 80 x + 16)^{1/2}}{10 (5 x + 2)}$$

Sequence: A114480
Score: 11.2148
Type of gen. func.: ogf

$$-\frac{2 (5 x - 2)}{25 x^2 - 15 x + 1}$$

Sequence: A114480
Score: 12.8531
Type of gen. func.: lgdogf

$$-\frac{25 (5 x^2 - 4 x + 1)}{(5 x - 2) (25 x^2 - 15 x + 1)}$$

Sequence: A114480
Score: 5.66643
Type of gen. func.: ogf

$$-(144 f(x) + 49) (25 f(x) x^2 - 15 f(x) x + f(x) + 10 x - 4)$$

Sequence: A114480
Score: 6.33306
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1) + 25 a(n), a(0) = 4, a(1) = 50\}$$

Sequence: A114480
Score: 7.27446
Type of gen. func.: lgdogf

$$-\frac{-125 x^2 + 100 x - 25}{-125 x^3 + 125 x^2 - 35 x + 2}$$

Sequence: A114481
Score: 4.47192
Type of gen. func.: ogf

$(1669 f(x) + 1357)$

$(108 f(x) x^3 - 108 f(x) x^2 + 27 f(x) x + 36 x^2 - f(x) - 30 x + 5)$

Sequence: A114481
Score: 4.54523
Type of gen. func.: ogf

$\{-a(n + 3) + 27 a(n + 2) - 108 a(n + 1) + 108 a(n), a(0) = 5, a(1) = 105,$

$a(2) = 2331\}$

Sequence: A114481
Score: 6.70898
Type of gen. func.: lgdogf

$$-\frac{3 (1296 x^4 - 2160 x^3 + 1296 x^2 - 336 x + 35)}{(3 x - 1) (36 x^2 - 24 x + 1) (36 x^2 - 30 x + 5)}$$

Sequence: A114481
Score: 8.15468
Type of gen. func.: ogf

$$-\frac{36 x^2 - 30 x + 5}{(3 x - 1) (36 x^2 - 24 x + 1)}$$

Sequence: A114487
Score: 7.78684

Type of gen. func.: ogf

$$-f(x)^2 x^4 - f(x)^2 x^2 - f(x)^2 x + 2 f(x) x^2 + f(x) - 1$$

Sequence: A114495
Score: 6.64918
Type of gen. func.: lgdogf

$$-\frac{(-4 + x) I}{x (4 x - 1)^{1/2} (x + 2)} - \frac{3 x + 4}{(x + 2) x}$$

Sequence: A114496
Score: 6.51246
Type of gen. func.: ogf

$$4 f(x)^3 x^2 - 71 f(x)^3 x + 8 f(x)^3 - f(x) x - 6 f(x) - 2$$

Sequence: A114507
Score: 11.5354
Type of gen. func.: revogf

$$-\frac{-x^2 + x}{-x^4 + x^3 - 1}$$

Sequence: A114507
Score: 31.6401
Type of gen. func.: revogf

$$-\frac{x (x - 1)}{x^4 - x^3 + 1}$$

Sequence: A114509
Score: 12.0063
Type of gen. func.: revogf

2

$$-\frac{-x + x}{-x^5 + x^4 - 1}$$

Sequence: A114509
Score: 32.9584
Type of gen. func.: revogf

$$-\frac{x (x - 1)}{x^5 - x^4 + 1}$$

Sequence: A114515
Score: 4.22502
Type of gen. func.: ogf

$$-4 f(x)^2 x^4 - 15 f(x)^2 x^3 - 12 f(x)^2 x^2 - 4 f(x) x^3 + 4 f(x)^2 x - 3 f(x) x^2$$
$$- 3 f(x) x - x^2 + f(x)$$

Sequence: A114540
Score: 8.40345
Type of gen. func.: ogf

$$-\frac{x^3 (x^{17} - x^{16} - x^9 - x^7 - x^5 - x^2 - 1)}{(x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A114542
Score: 4.36556
Type of gen. func.: ogf

$$-(34335827653 f(x) - 22024240) (9389 f(x) x^3 + 4691 f(x) x^2 + x^2 - f(x) + x)$$

Sequence: A114542
Score: 5.11520
Type of gen. func.: ogf

$$\{-a(n + 3) + 4691 a(n + 1) + 9389 a(n), a(0) = 0, a(1) = 1, a(2) = 1\}$$

Sequence: A114542
Score: 8.58314
Type of gen. func.: ogf

$$-\frac{x (x + 1)}{9389 x^3 + 4691 x^2 - 1}$$

Sequence: A114543
Score: 5.07403
Type of gen. func.: ogf

$$-(50464516 f(x) - 197119) (1536 f(x) x^3 + 772 f(x) x^2 + x^2 - f(x) + x)$$

Sequence: A114543
Score: 5.69533
Type of gen. func.: ogf

$$\{-a(n + 3) + 772 a(n + 1) + 1536 a(n), a(0) = 0, a(1) = 1, a(2) = 1\}$$

Sequence: A114543
Score: 5.75404
Type of gen. func.: lgdogf

$$-\frac{-3072 x^3 - 5380 x^2 - 1544 x - 1}{-1536 x^4 - 2308 x^3 - 772 x^2 + x + 1}$$

Sequence: A114543
Score: 9.31598
Type of gen. func.: lgdogf

$$-\frac{3072 x^3 + 5380 x^2 + 1544 x + 1}{(1 + 2 x) (x + 1) (768 x^2 + 2 x - 1)}$$

Sequence: A114543
Score: 9.62314
Type of gen. func.: ogf

$$-\frac{x (x + 1)}{(1 + 2 x) (768 x^2 + 2 x - 1)}$$

Sequence: A114553
Score: 10.6781
Type of gen. func.: ogf

$$-\frac{x (x + 1)}{(3 x + 1) (16 x^2 + 3 x - 1)}$$

Sequence: A114553
Score: 10.9061
Type of gen. func.: lgdogf

$$-\frac{96 x^3 + 169 x^2 + 50 x + 1}{(3 x + 1) (x + 1) (16 x^2 + 3 x - 1)}$$

Sequence: A114553
Score: 6.18208
Type of gen. func.: ogf

$$\{-a(n + 3) + 25 a(n + 1) + 48 a(n), a(0) = 0, a(1) = 1, a(2) = 1\}$$

Sequence: A114553
Score: 6.45383
Type of gen. func.: ogf

$$(f(x) + 1) (48 f(x) x^3 + 25 f(x) x^2 + x^2 - f(x) + x)$$

Sequence: A114553
Score: 6.75055
Type of gen. func.: lgdogf

$$-\frac{-96 x^{3} - 169 x^{2} - 50 x - 1}{-48 x^{4} - 73 x^{3} - 25 x^{2} + x + 1}$$

Sequence: A114563
Score: 13.7241
Type of gen. func.: lgdogf

$$\frac{8160 x^{4} + 828 x^{3} + 27 x^{2} + 4 x + 1}{1632 x^{5} + 207 x^{4} + 9 x^{3} + 2 x^{2} + x + 1}$$

Sequence: A114568
Score: 11.6210
Type of gen. func.: ogf

$$-\frac{x (x + 1)}{(1 + 2 x) (4690 x^{2} + 2 x - 1)}$$

Sequence: A114568
Score: 5.91067
Type of gen. func.: ogf

$$-(34401933242 f(x) - 22005477) (9380 f(x) x^{3} + 4694 f(x) x^{2} + x^{2} - f(x) + x)$$

Sequence: A114568
Score: 6.78849
Type of gen. func.: lgdogf

$$-\frac{-18760 x^{3} - 32834 x^{2} - 9388 x - 1}{-9380 x^{4} - 14074 x^{3} - 4694 x^{2} + x + 1}$$

Sequence: A114568
Score: 6.92563
Type of gen. func.: ogf

$$\{-a(n+3)+4694\,a(n+1)+9380\,a(n),\ a(0)=0,\ a(1)=1,\ a(2)=1\}$$

Sequence: A114569
Score: 12.7673
Type of gen. func.: revogf

$$-\frac{-8-5x+((16+3x)(3x+4))^{1/2}}{2(4x+5)}$$

Sequence: A114569
Score: 13.3258
Type of gen. func.: ogf

$$-\frac{5x-8}{(4x-1)(x-1)}$$

Sequence: A114569
Score: 14.6824
Type of gen. func.: lgdogf

$$-\frac{(10x-7)(2x-5)}{(x-1)(4x-1)(5x-8)}$$

Sequence: A114569
Score: 6.73778
Type of gen. func.: ogf

$$(111\,f(x)+337)(4\,f(x)\,x^2-5\,f(x)\,x+f(x)+5x-8)$$

Sequence: A114569
Score: 7.22484
Type of gen. func.: ogf

$$\{-a(n+2)+5\,a(n+1)-4\,a(n),\ a(0)=8,\ a(1)=35\}$$

Sequence: A114569

Score: 8.56660
Type of gen. func.: lgdogf

$$-\frac{-20 x^2 + 64 x - 35}{-20 x^3 + 57 x^2 - 45 x + 8}$$

Sequence: A114584
Score: 8.96679
Type of gen. func.: ogf

$$-f(x)^2 x^2 + f(x) x^3 - f(x) x + f(x) - 1$$

Sequence: A114587
Score: 7.84704
Type of gen. func.: lgdogf

$$-32 + 88 x + 196 x^2 + (112 x^3 + 108 x^2 - 66 x + 8) f(x)$$
$$+ (16 x^4 + 24 x^3 - 15 x^2 + 2 x) f(x)^2$$

Sequence: A114590
Score: 8.56975
Type of gen. func.: lgdogf

$$8 - 16 x - 100 x^2 + (-80 x^3 - 60 x^2 + 36 x - 4) f(x)$$
$$+ (-16 x^4 - 24 x^3 + 15 x^2 - 2 x) f(x)^2$$

Sequence: A114619
Score: 12.3857
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - 4 x^2 + 5 x + 2)}{(x - 1) (x + 1) (x^2 - 6 x + 1)}$$

Sequence: A114619
Score: 4.99192
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) - 5 a(n + 1) + a(n), a(0) = 0, a(1) = 2, a(2) = 8\}$$

Sequence: A114619
Score: 5.17853
Type of gen. func.: ogf

$$(2 f(x) + 1) (f(x) x^3 - 5 f(x) x^2 - 5 f(x) x + 2 x^2 + f(x) - 2 x)$$

Sequence: A114619
Score: 7.59045
Type of gen. func.: lgdogf

$$- \frac{-2 x^3 + 8 x^2 - 10 x - 4}{-x^4 + 6 x^3 - 6 x + 1}$$

Sequence: A114619
Score: 9.72111
Type of gen. func.: ogf

$$- \frac{2 x (x - 1)}{(x + 1) (x^2 - 6 x + 1)}$$

Sequence: A114620
Score: 12.5164
Type of gen. func.: ogf

$$\frac{2 x}{(x + 1) (x^2 - 6 x + 1)}$$

Sequence: A114620
Score: 16.2971
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 10 x - 5}{(x + 1) (x^2 - 6 x + 1)}$$

Sequence: A114620
Score: 5.02889
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) + 5 a(n + 1) - a(n), a(0) = 0, a(1) = 2, a(2) = 10\}$$

Sequence: A114620
Score: 7.31476
Type of gen. func.: ogf

$$f(x) x^3 - 5 f(x) x^2 - 5 f(x) x + f(x) - 2 x$$

Sequence: A114620
Score: 8.66517
Type of gen. func.: lgdogf

$$-\frac{-3 x^2 + 10 x + 5}{-x^3 + 5 x^2 + 5 x - 1}$$

Sequence: A114633
Score: 3.25988
Type of gen. func.: ogf

$$\{(n^3 + 15 n^2 + 74 n + 120) a(n + 1) + (-n^3 - 15 n^2 - 74 n - 120) a(n + 2)$$
$$+ (-n - 6) a(n + 3) + (n + 4) a(n + 4), a(0) = 1, a(1) = 3, a(2) = 18,$$
$$a(3) = 70\}$$

Sequence: A114633
Score: 5.19617
Type of gen. func.: lgdegf]

$$x^8 - 3 x^6 - 6 x^5 + 21 x^4 - 12 x^3 - 13 x^2 - 30 x - 6$$

$$\overline{(x - 1) (x + 1) (x^6 - 2 x^4 - 4 x^3 + 7 x^2 + 4 x + 2)}$$

Sequence: A114637
Score: 11.2823
Type of gen. func.: ogf

$$f(x) (f(x) x^2 - 2 f(x) x + 2 x^2 + f(x) - 3 x)$$

Sequence: A114637
Score: 18.6504
Type of gen. func.: ogf

$$- \frac{x (2 x - 3)}{(x - 1)^2}$$

Sequence: A114637
Score: 19.0389
Type of gen. func.: lgdogf

$$- \frac{-2 x + 4}{-2 x^2 + 5 x - 3}$$

Sequence: A114637
Score: 27.3029
Type of gen. func.: revogf

$$- \frac{-3 - 2 x + (9 + 4 x)^{1/2}}{2 (x + 2)}$$

Sequence: A114637
Score: 40.9544
Type of gen. func.: lgdogf

$$- \frac{2 (x - 2)}{(x - 1) (2 x - 3)}$$

Sequence: A114637
Score: 9.04820
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n + 1), a(0) = 0, a(1) = 3, a(2) = 4\}$$

Sequence: A114641
Score: 8.32849
Type of gen. func.: lgdegf]

$$8 - 12 f(x) + 6 f(x)^2 - f(x)^3$$

Sequence: A114646
Score: 13.1049
Type of gen. func.: lgdogf

$$-\frac{93 x + 47}{24 x^3 + 21 x^2 - 44 x - 1}$$

Sequence: A114646
Score: 14.5345
Type of gen. func.: ogf

$$\frac{24 x^2 + 45 x + 1}{(x - 1)^2}$$

Sequence: A114646
Score: 24.5054
Type of gen. func.: lgdogf

$$-\frac{93 x + 47}{(x - 1) (24 x^2 + 45 x + 1)}$$

Sequence: A114646

Score: 7.61332
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 47, a(2) = 117\}$$

Sequence: A114646
Score: 7.99399
Type of gen. func.: ogf

$$(140 f(x) + 2069) (f(x) x^2 - 2 f(x) x - 24 x^2 + f(x) - 45 x - 1)$$

Sequence: A114647
Score: 11.2476
Type of gen. func.: ogf

$$- \frac{3 x^2 + 4 x - 3}{(x - 1) (x + 1) (x^2 + 2 x - 1)}$$

Sequence: A114647
Score: 5.66483
Type of gen. func.: ogf

$$-(675 f(x) + 182) (f(x) x^4 + 2 f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + 3 x^2 + f(x) + 4 x - 3)$$

Sequence: A114647
Score: 6.52476
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^5 + 9 x^4 + 2 x^3 - 10 x^2 + 3 x + 1)}{(x - 1) (x + 1) (x^2 + 2 x - 1) (3 x^2 + 4 x - 3)}$$

Sequence: A114650
Score: 7.67608
Type of gen. func.: ogf

$$-\frac{34 x^{31} - 34 x^{30} + 13 x^{12} - 13 x^{11} + 5 x^{5} - 5 x^{4} + 2 x^{2} - 2 x - 1}{(x + 1) (x - 1)^{2}}$$

Sequence: A114688
Score: 11.0909
Type of gen. func.: ogf

$$-\frac{x^{2} - 3 x - 1}{(x - 1) (x + 1) (x^{2} + 2 x - 1)}$$

Sequence: A114688
Score: 5.75391
Type of gen. func.: ogf

$$(748 f(x) - 585)$$

$$(f(x) x^{4} + 2 f(x) x^{3} - 2 f(x) x^{2} - 2 f(x) x + x^{2} + f(x) - 3 x - 1)$$

Sequence: A114688
Score: 7.35744
Type of gen. func.: lgdogf

$$-\frac{2 x^{5} - 7 x^{4} - 16 x^{3} + 2 x^{2} + 2 x + 5}{(x - 1) (x + 1) (x^{2} + 2 x - 1) (x^{2} - 3 x - 1)}$$

Sequence: A114689
Score: 11.1894
Type of gen. func.: ogf

$$-\frac{x^{2} - 4 x - 1}{(x - 1) (x + 1) (x^{2} + 2 x - 1)}$$

Sequence: A114689
Score: 5.80505

Type of gen. func.: ogf

$$(667 f(x) - 646)$$

$$(f(x) x^4 + 2 f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + x^2 + f(x) - 4 x - 1)$$

Sequence: A114689
Score: 7.66851
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 5 x^4 - 10 x^3 + 2 x^2 + x + 3)}{(x - 1) (x + 1) (x^2 + 2 x - 1) (x^2 - 4 x - 1)}$$

Sequence: A114693
Score: 12.3105
Type of gen. func.: lgdogf

$$-\frac{x - 2 + 2 (x^2 - 6 x + 1)^{1/2}}{(x^2 - 6 x + 1)^{1/2} x}$$

Sequence: A114693
Score: 6.08904
Type of gen. func.: ogf

$$-4 f(x)^2 x^4 - f(x) x^3 + f(x) x^2 - 5 f(x) x + f(x) - 2$$

Sequence: A114695
Score: 5.21526
Type of gen. func.: ogf

$$-\frac{x^8 - 4 x^7 - x^6 - 23 x^5 + 47 x^4 + 8 x^3 + 4 x^2 + 2 x + 2}{(x - 1) (x^2 + x + 1) (x^6 - 47 x^3 + 1)}$$

Sequence: A114696
Score: 11.2388

Type of gen. func.: ogf

$$\frac{x^2 + 4 x + 1}{(x - 1) (x + 1) (x^2 + 2 x - 1)}$$

Sequence: A114696
Score: 5.53909
Type of gen. func.: ogf

$$-(17710 f(x) - 6429)$$
$$(f(x) x^4 + 2 f(x) x^3 - 2 f(x) x^2 - 2 f(x) x - x^2 + f(x) - 4 x - 1)$$

Sequence: A114696
Score: 7.31579
Type of gen. func.: lgdogf

$$- \frac{-2 x^5 - 14 x^4 - 20 x^3 + 6 x + 6}{-x^6 - 6 x^5 - 7 x^4 + 8 x^3 + 9 x^2 - 2 x - 1}$$

Sequence: A114696
Score: 8.02244
Type of gen. func.: lgdogf

$$- \frac{2 (x^5 + 7 x^4 + 10 x^3 - 3 x - 3)}{(x - 1) (x + 1) (x^2 + 4 x + 1) (x^2 + 2 x - 1)}$$

Sequence: A114697
Score: 10.8937
Type of gen. func.: ogf

$$\frac{x^2 + x + 1}{(x - 1) (x + 1) (x^2 + 2 x - 1)}$$

Sequence: A114697
Score: 5.36903
Type of gen. func.: ogf

$$-(11024 f(x) + 2229)$$

$$(f(x) x^{4} + 2 f(x) x^{3} - 2 f(x) x^{2} - 2 f(x) x - x^{2} + f(x) - x - 1)$$

Sequence: A114697
Score: 7.43183
Type of gen. func.: lgdogf

$$-\frac{2 x^{5} + 5 x^{4} + 8 x^{3} + 6 x^{2} - 6 x - 3}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} + 2 x - 1)}$$

Sequence: A114698
Score: 13.8960
Type of gen. func.: lgdogf

$$-\frac{22 x + 18}{3 x^{3} + 13 x^{2} - 15 x - 1}$$

Sequence: A114698
Score: 15.4400
Type of gen. func.: ogf

$$\frac{3 x^{2} + 16 x + 1}{(x - 1)^{2}}$$

Sequence: A114698
Score: 25.5587
Type of gen. func.: lgdogf

$$-\frac{2 (9 + 11 x)}{(x - 1) (3 x^{2} + 16 x + 1)}$$

Sequence: A114698
Score: 8.01693
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 18, a(2) = 38\}$$

Sequence: A114698
Score: 8.68501
Type of gen. func.: ogf

$$(10 f(x) + 71) (f(x) x^2 - 2 f(x) x - 3 x^2 + f(x) - 16 x - 1)$$

Sequence: A114703
Score: 7.25895
Type of gen. func.: ogf

$$\frac{x (x^4 - 2 x^3 - 2 x^2 + 10 x + 1)}{(x^2 + 1) (x^2 + 4 x - 1) (x^2 - 4 x - 1)}$$

Sequence: A114710
Score: 12.2844
Type of gen. func.: revogf

$$- \frac{-3 x^2 + x}{-2 x^2 + 3 x - 1}$$

Sequence: A114710
Score: 24.2021
Type of gen. func.: revogf

$$- \frac{x (3 x - 1)}{(2 x - 1) (x - 1)}$$

Sequence: A114710
Score: 3.20999
Type of gen. func.: ogf

$$\{(2 n + 4) a(n + 1) + (-9 n - 36) a(n + 2) + (-16 n - 53) a(n + 3) + (3 n + 15) a(n + 4), a(0) = 1, a(1) = 0, a(2) = 2, a(3) = 6\}$$

Sequence: A114710
Score: 7.67383
Type of gen. func.: lgdogf

$$- \frac{5 x - 3 + 4 x (x^2 - 6 x + 1)^{1/2} + 3 (x^2 - 6 x + 1)^{1/2}}{2 (x^2 - 6 x + 1)^{1/2} x (2 x + 3)}$$

Sequence: A114710
Score: 8.29596
Type of gen. func.: ogf

$$-2 f(x)^2 x^2 - 3 f(x)^2 x + 3 f(x) x + f(x) - 1$$

Sequence: A114723
Score: 3.95984
Type of gen. func.: ogf

$$(1419 f(x) - 811) (f(x) x^4 + 3 f(x) x^3 + 3 f(x) x^2 - 2 x^3 + f(x) x - f(x) + x)$$

Sequence: A114723
Score: 7.65160
Type of gen. func.: lgdogf

$$- \frac{4 x^5 + 6 x^4 - 4 x^3 - 11 x^2 - 2 x - 1}{(2 x^2 - 1) (x^4 + 3 x^3 + 3 x^2 + x - 1)}$$

Sequence: A114723
Score: 7.91969
Type of gen. func.: ogf

$$x (2 x^2 - 1)$$

$$\overline{x^4 + 3 x^3 + 3 x^2 + x - 1}$$

Sequence: A114724
Score: 7.08618
Type of gen. func.: ogf

$$- (3 x^{11} + 5 x^{10} + 8 x^9 + 13 x^8 + 4 x^7 + 5 x^6 + 9 x^5 + 14 x^4 + 5 x^3 + 6 x^2 + 11 x + 2) \Big/ ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x^4 - x^2 + 1))$$

Sequence: A114725
Score: 5.77426
Type of gen. func.: ogf

$$\frac{x (1 + 2 x) (14 x^3 + 2 x - 1)}{x^6 + 5 x^5 + 10 x^4 + 10 x^3 + 5 x^2 + x - 1}$$

Sequence: A114743
Score: 10.3423
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n), a(0) = 4, a(1) = 6, a(2) = 10\}$$

Sequence: A114743
Score: 14.4638
Type of gen. func.: lgdogf

$$- \frac{10 x^4 + 12 x^3 + 12 x^2 + 10 x + 3}{(5 x^2 + 3 x + 2) (2 x^3 - 1)}$$

Sequence: A114743
Score: 15.9271
Type of gen. func.: ogf

$$-\frac{2\,(5\,x^2+3\,x+2)}{2\,x^3-1}$$

Sequence: A114743
Score: 7.88472
Type of gen. func.: lgdogf

$$-\frac{-10\,x^4-12\,x^3-12\,x^2-10\,x-3}{-10\,x^5-6\,x^4-4\,x^3+5\,x^2+3\,x+2}$$

Sequence: A114743
Score: 9.59467
Type of gen. func.: ogf

$$-(180\,f(x)-31)\,(2\,f(x)\,x^3+10\,x^2-f(x)+6\,x+4)$$

Sequence: A114745
Score: 10.9146
Type of gen. func.: lgdogf

$$\frac{24\,x^7-34\,x^4-12\,x^3-12\,x^2-4\,x-3}{(2\,x^3-1)\,(6\,x^5+2\,x^3+2\,x^2+3\,x+1)}$$

Sequence: A114745
Score: 12.3283
Type of gen. func.: ogf

$$-\frac{6\,x^5+2\,x^3+2\,x^2+3\,x+1}{2\,x^3-1}$$

Sequence: A114746
Score: 5.60008

Type of gen. func.: ogf

$$-(x+1)\left(20x^{14}+8x^{13}-8x^{12}-4x^{11}-20x^{10}+12x^{9}-8x^{8}+6x^{7}-10x^{6}+10x^{5}-6x^{4}+3x^{3}-2x^{2}+4x+1\right) \Big/ \left(2x^{3}-1\right)$$

Sequence: A114749
Score: 5.96163
Type of gen. func.: lgdogf

$$-\frac{18x^{7}+45x^{6}+24x^{5}-23x^{4}-34x^{3}+6x^{2}-2x-1}{(9x^{3}+3x^{2}-1)(x^{3}+3x^{2}+2x-1)(x^{2}+x+1)}$$

Sequence: A114749
Score: 7.03911
Type of gen. func.: ogf

$$\frac{x(9x^{3}+3x^{2}-1)}{(x^{2}+x+1)(x^{3}+3x^{2}+2x-1)}$$

Sequence: A114752
Score: 11.1341
Type of gen. func.: lgdogf

$$-\frac{6x^{3}+6x^{2}+10x+2}{3x^{4}+2x^{3}-2x^{2}-2x-1}$$

Sequence: A114752
Score: 15.8222
Type of gen. func.: ogf

$$\frac{3x^{2}+2x+1}{(x+1)^{2}(x-1)^{2}}$$

Sequence: A114752
Score: 18.4360
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^3+3\,x^2+5\,x+1)}{(x-1)\,(x+1)\,(3\,x^2+2\,x+1)}$$

Sequence: A114752
Score: 9.69747
Type of gen. func.: ogf

$$(6\,f(x)+5)\,(f(x)\,x^4-2\,f(x)\,x^2-3\,x^2+f(x)-2\,x-1)$$

Sequence: A114753
Score: 10.0857
Type of gen. func.: lgdogf

$$-\frac{-x^4-2\,x^3-12\,x^2-6\,x-3}{-x^5-x^4-2\,x^3+3\,x+1}$$

Sequence: A114753
Score: 13.8097
Type of gen. func.: ogf

$$\frac{x^3+x^2+3\,x+1}{(x+1)^2\,(x-1)^2}$$

Sequence: A114753
Score: 16.6169
Type of gen. func.: lgdogf

$$-\frac{x^4+2\,x^3+12\,x^2+6\,x+3}{(x-1)\,(x+1)\,(x^3+x^2+3\,x+1)}$$

Sequence: A114753
Score: 8.31139
Type of gen. func.: ogf

$$-(87 f(x) - 253) (f(x) x^4 - 2 f(x) x^2 - x^3 - x^2 + f(x) - 3 x - 1)$$

Sequence: A114775
Score: 8.42162
Type of gen. func.: ogf

$$-\frac{x^2 (x^2 + 1) (x^7 - x^4 + 1)}{(x^6 - x^4 + 1) (x^6 + x^4 - 1)}$$

Sequence: A114779
Score: 11.4588
Type of gen. func.: egf]

$$(f(x) x - f(x) + 1)^3$$

Sequence: A114790
Score: 10.1996
Type of gen. func.: egf]

$$(f(x) x - f(x) + 1)^3$$

Sequence: A114796
Score: 5.68332
Type of gen. func.: egf]

$$-(2 f(x) x + f(x) - 3 x - 1) (f(x) x - f(x) + 1)^2$$

Sequence: A114798
Score: 9.04136
Type of gen. func.: ogf

$$\frac{2 x^5 - 3 x^4 + 8 x^3 + 2 x + 3}{(x - 1)^4 (x + 1)^4}$$

Sequence: A114798
Score: 9.74421
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^6 - 6 x^5 + 25 x^4 - 6 x^3 + 19 x^2 + 12 x + 1)}{(x - 1) (x + 1) (2 x^5 - 3 x^4 + 8 x^3 + 2 x + 3)}$$

Sequence: A114801
Score: 9.35807
Type of gen. func.: lgdogf

$$\frac{240 x^{14} + 369 x^{13} - 1477 x^{12} + 780 x^{11} + 88 x^{10} + 2}{(x - 1) (20 x^{14} + 59 x^{13} - 71 x^{12} - 8 x^{11} - 1)}$$

Sequence: A114803
Score: 5.34898
Type of gen. func.: ogf

$$- \frac{3 x^5 - x^4 - 4 x^2 - 3 x - 1}{(x - 1)^4 (x + 1)^4}$$

Sequence: A114803
Score: 5.77441
Type of gen. func.: lgdogf

$$- \frac{9 x^6 - 4 x^5 + 15 x^4 - 28 x^3 - 21 x^2 - 16 x - 3}{(x - 1) (x + 1) (3 x^5 - x^4 - 4 x^2 - 3 x - 1)}$$

Sequence: A114849
Score: 4.10843
Type of gen. func.: ogf

$$(58458664 f(x) + 2647383)$$

$$(f(x) x^4 - 3 f(x) x^3 - 28 f(x) x^2 + 11 f(x) x - 2 x^2 - f(x) + 3 x)$$

Sequence: A114849
Score: 8.58478
Type of gen. func.: ogf

$$\frac{x (2 x - 3)}{(x^2 - 7 x + 1) (x^2 + 4 x - 1)}$$

Sequence: A114849
Score: 8.84677
Type of gen. func.: lgdogf

$$- \frac{6 x^4 - 24 x^3 - 29 x^2 + 168 x - 31}{(2 x - 3) (x^2 - 7 x + 1) (x^2 + 4 x - 1)}$$

Sequence: A114851
Score: 6.99941
Type of gen. func.: ogf

$$f(x)^2 x^3 - f(x)^2 x^2 + f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x)$$

Sequence: A114855
Score: 9.21034
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-3 x^2 + x - 2}{x^3 - x^2 + x - 1}$$

Sequence: A114878

Score: 3.79361
Type of gen. func.: ogf

$$-(75075631 f(x) - 1302698)$$

$$(f(x) x^4 + 4 f(x) x^3 - 77 f(x) x^2 + 18 f(x) x + 2 x^2 - f(x) + 4 x)$$

Sequence: A114878
Score: 8.15343
Type of gen. func.: ogf

$$-\frac{2 x (x + 2)}{(x^2 - 7 x + 1) (x^2 + 11 x - 1)}$$

Sequence: A114878
Score: 8.67111
Type of gen. func.: lgdogf

$$-\frac{3 x^4 + 16 x^3 - 53 x^2 - 308 x + 37}{(x + 2) (x^2 - 7 x + 1) (x^2 + 11 x - 1)}$$

Sequence: A114891
Score: 6.40812
Type of gen. func.: ogf

$$(3 x^{12} + 2 x^{10} + x^9 + 4 x^8 + 2 x^7 + 4 x^6 + 2 x^5 + 4 x^4 + 3 x^3 + 2 x^2 + 2 x + 1) / ((x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2)$$

Sequence: A114932
Score: 5.70847
Type of gen. func.: ogf

$$-\frac{x^2 (56 x^3 - 53 x^2 + 8 x + 1)}{(x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (7 x - 1)}$$

Sequence: A114935
Score: 5.42478
Type of gen. func.: ogf

$$-\frac{x\,(56\,x^4 - 81\,x^3 + 47\,x^2 - 11\,x + 1)}{(x - 1)\,(4\,x - 1)\,(3\,x - 1)\,(2\,x - 1)\,(7\,x - 1)}$$

Sequence: A114938
Score: 4.16795
Type of gen. func.: ogf

$$\{(n^2 + 7\,n + 12)\,a(n + 1) + (2\,n^2 + 15\,n + 28)\,a(n + 2) - a(n + 3),\ a(0) = 0,\ a(1) = 2,\ a(2) = 30\}$$

Sequence: A114948
Score: 11.7361
Type of gen. func.: lgdogf

$$-\frac{-10\,x^2 + 18\,x - 14}{-10\,x^3 + 29\,x^2 - 30\,x + 11}$$

Sequence: A114948
Score: 13.0197
Type of gen. func.: ogf

$$-\frac{10\,x^2 - 19\,x + 11}{(x - 1)^3}$$

Sequence: A114948
Score: 20.9644
Type of gen. func.: lgdogf

$$-\frac{2\,(5\,x^2 - 9\,x + 7)}{(x - 1)\,(10\,x^2 - 19\,x + 11)}$$

Sequence: A114948
Score: 7.06153
Type of gen. func.: ogf

$$(76 f(x) - 1721) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 10 x^2 - f(x) - 19 x + 11)$$

Sequence: A114948
Score: 7.24574
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 11, a(1) = 14, a(2) = 19\}$$

Sequence: A114949
Score: 12.7487
Type of gen. func.: lgdogf

$$- \frac{-7 x^2 + 8 x - 7}{-7 x^3 + 18 x^2 - 17 x + 6}$$

Sequence: A114949
Score: 13.5712
Type of gen. func.: ogf

$$- \frac{7 x^2 - 11 x + 6}{(x - 1)^3}$$

Sequence: A114949
Score: 23.5910
Type of gen. func.: lgdogf

$$- \frac{7 x^2 - 8 x + 7}{(x - 1) (7 x^2 - 11 x + 6)}$$

Sequence: A114949
Score: 7.1306
Type of gen. func.: ogf

$$-(4 f(x) + 471) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 7 x^{2} - f(x) - 11 x + 6)$$

Sequence: A114949
Score: 7.44612
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 6, a(1) = 7, a(2) = 10\}$$

Sequence: A114952
Score: 6.81231
Type of gen. func.: ogf

$$-\frac{x^{2} (x^{9} - x^{8} + 2 x^{7} - x^{6} + x^{5} - 2 x^{4} + x^{2} + 1)}{(x^{6} - x^{4} + x^{2} + 1) (x^{6} + x^{4} + x^{2} - 1)}$$

Sequence: A114955
Score: 16.8455
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{7} - x^{5} + x^{2} + x + 1$$

Sequence: A114955
Score: 7.10832
Type of gen. func.: lgdogf

$$\frac{8 x^{9} - 9 x^{8} + 6 x^{7} - 2 x^{6} - 2 x^{5} - 2 x^{4} - 2 x^{3} - 2 x^{2} - 2 x - 1}{(x - 1) (x + 1) (x^{2} + 1) (x^{2} - x + 1) (x^{4} + 1)}$$

Sequence: A114955
Score: 7.78334
Type of gen. func.: ogf

```
                                  2        2            4
```

$$-\frac{(x + 1) (x + 1) (x - x + 1) (x + 1)}{x - 1}$$

Sequence: A114956
Score: 6.68907
Type of gen. func.: ogf

$$-(x^{15} + x^{13} + x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + 2 x^{7} + x^{6} + 2 x^{5} + x^{4} + x^{3} + x^{2} + 1)/(x - 1)$$

Sequence: A114958
Score: 10.9851
Type of gen. func.: ogf

$$-\frac{4 x^2 - 2 x + 3}{(2 x - 1) (x - 1)^2}$$

Sequence: A114958
Score: 14.5916
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^3 + 6 x - 5)}{(x - 1) (2 x - 1) (4 x^2 - 2 x + 3)}$$

Sequence: A114958
Score: 5.63102
Type of gen. func.: ogf

$$(38065 f(x) - 16064) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x + 4 x^2 - f(x) - 2 x + 3)$$

Sequence: A114958
Score: 5.87801
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 3, a(1) = 10, a(2) = 29\}$$

Sequence: A114958
Score: 8.70251
Type of gen. func.: lgdogf

$$-\frac{8 x^{3} + 12 x - 10}{8 x^{4} - 16 x^{3} + 16 x^{2} - 11 x + 3}$$

Sequence: A114960
Score: 7.15025
Type of gen. func.: lgdogf

$$-\frac{32 x^{6} - 68 x^{5} + 80 x^{4} - 72 x^{3} + 36 x^{2} - 5 x - 1}{(x - 1) (2 x - 1) (2 x^{2} - 1) (4 x^{3} - 5 x^{2} + 3 x - 1)}$$

Sequence: A114960
Score: 7.47473
Type of gen. func.: ogf

$$-\frac{4 x^{3} - 5 x^{2} + 3 x - 1}{(2 x - 1) (2 x^{2} - 1) (x - 1)^{2}}$$

Sequence: A114962
Score: 11.9616
Type of gen. func.: lgdogf

$$-\frac{-15 x^{2} + 24 x - 15}{-15 x^{3} + 42 x^{2} - 41 x + 14}$$

Sequence: A114962
Score: 13.2699
Type of gen. func.: ogf

$$15 x^{2} - 27 x + 14$$

$$-\frac{}{(x - 1)^3}$$

Sequence: A114962
Score: 20.8387
Type of gen. func.: lgdogf

$$-\frac{2 (7 x^2 - 13 x + 9)}{(x - 1) (14 x^2 - 27 x + 15)}$$

Sequence: A114962
Score: 6.96126
Type of gen. func.: ogf

$$-(44 f(x) + 1085) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 15 x^2 - f(x) - 27 x + 14)$$

Sequence: A114962
Score: 7.38500
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 14, a(1) = 15, a(2) = 18\}$$

Sequence: A114963
Score: 11.6810
Type of gen. func.: lgdogf

$$-\frac{23 x^2 - 40 x + 23}{23 x^3 - 66 x^2 + 65 x - 22}$$

Sequence: A114963
Score: 12.9586
Type of gen. func.: ogf

$$-\frac{23 x^2 - 43 x + 22}{(x - 1)^3}$$

Sequence: A114963
Score: 19.3738
Type of gen. func.: lgdogf

$$-\frac{2 (11 x^2 - 21 x + 13)}{(x - 1) (22 x^2 - 43 x + 23)}$$

Sequence: A114963
Score: 6.74267
Type of gen. func.: ogf

$$-(260 f(x) + 8599) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 23 x^2 - f(x) - 43 x + 22)$$

Sequence: A114963
Score: 7.21172
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 22, a(1) = 23, a(2) = 26\}$$

Sequence: A114964
Score: 11.6810
Type of gen. func.: lgdogf

$$-\frac{31 x^2 - 56 x + 31}{31 x^3 - 90 x^2 + 89 x - 30}$$

Sequence: A114964
Score: 12.9586
Type of gen. func.: ogf

$$-\frac{31 x^2 - 59 x + 30}{(x - 1)^3}$$

Sequence: A114964
Score: 18.9958
Type of gen. func.: lgdogf

$$-\frac{2\,(15\,x^2 - 29\,x + 17)}{(x - 1)\,(30\,x^2 - 59\,x + 31)}$$

Sequence: A114964
Score: 6.91124
Type of gen. func.: ogf

$$(388\,f(x) + 16503)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 31\,x^2 - f(x) - 59\,x + 30)$$

Sequence: A114964
Score: 7.21172
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 30,\ a(1) = 31,\ a(2) = 34\}$$

Sequence: A114965
Score: 11.1423
Type of gen. func.: lgdogf

$$-\frac{34\,x^2 - 66\,x + 38}{34\,x^3 - 101\,x^2 + 102\,x - 35}$$

Sequence: A114965
Score: 12.7092
Type of gen. func.: ogf

$$-\frac{34\,x^2 - 67\,x + 35}{(x - 1)^3}$$

Sequence: A114965

Score: 18.9958
Type of gen. func.: lgdogf

$$-\frac{2\,(17\,x^2 - 33\,x + 19)}{(x - 1)\,(34\,x^2 - 67\,x + 35)}$$

Sequence: A114965
Score: 6.66713
Type of gen. func.: ogf

$$-(44\,f(x) + 5855)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 34\,x^2 - f(x) - 67\,x + 35)$$

Sequence: A114965
Score: 7.07296
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 35,\ a(1) = 38,\ a(2) = 43\}$$

Sequence: A114982
Score: 15.5753
Type of gen. func.: ogf

$$\frac{x\,(x^2 - 3)}{3\,x - 1}$$

Sequence: A114982
Score: 21.6832
Type of gen. func.: lgdogf

$$\frac{3\,x^2 - 2\,x + 9}{(3\,x - 1)\,(x^2 - 3)}$$

Sequence: A114982
Score: 6.65196
Type of gen. func.: ogf

```
       {-a(n + 4) + 3 a(n + 3), a(0) = 0, a(1) = 3, a(2) = 9, a(3) = 26}
```

Sequence: A114982
Score: 9.53115
Type of gen. func.: ogf

```
                               3
                      -f(x) (-x  + 3 f(x) x - f(x) + 3 x)
```

Sequence: A114982
Score: 9.97794
Type of gen. func.: lgdogf

```
                                     2
                                  3 x  - 2 x + 9
                             - ---------------------
                                   3    2
                               -3 x  + x  + 9 x - 3
```

Sequence: A114984
Score: 12.3414
Type of gen. func.: ogf

```
                                    2
                                43 x  - x + 200
                                ----------------
                                               2
                                (x + 1) (x - 1)
```

Sequence: A114984
Score: 14.6190
Type of gen. func.: lgdogf

```
                               3       2
                           43 x  + 41 x  + 685 x + 199
                      - ---------------------------------
                                             2
                        (x - 1) (x + 1) (43 x  - x + 200)
```

Sequence: A114984
Score: 5.68239
Type of gen. func.: ogf

```
-(9249574444 f(x) + 3053646790485)

           3         2                2
```

$(f(x) x - f(x) x - f(x) x - 43 x + f(x) + x - 200)$

Sequence: A114984
Score: 6.69366
Type of gen. func.: ogf

$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 200, a(1) = 199, a(2) = 442\}$

Sequence: A114984
Score: 8.67969
Type of gen. func.: lgdogf

$$-\frac{-43 x^3 - 41 x^2 - 685 x - 199}{-43 x^4 + x^3 - 157 x^2 - x + 200}$$

Sequence: A115006
Score: 13.1263
Type of gen. func.: lgdogf

$$-\frac{-6 x^2 - 16 x - 8}{-2 x^3 - 3 x^2 + 2 x + 3}$$

Sequence: A115006
Score: 14.9685
Type of gen. func.: ogf

$$-\frac{x (2 x + 3)}{(x + 1) (x - 1)^3}$$

Sequence: A115006
Score: 23.3725
Type of gen. func.: lgdogf

$$-\frac{2 (x + 2) (3 x + 2)}{(x - 1) (2 x + 3) (x + 1)}$$

Sequence: A115006
Score: 4.33100
Type of gen. func.: ogf

$$\{(-9 - 3 n) a(n + 4) + (4 - 2 n) a(n + 3) + (19 + 3 n) a(n + 2) + (6 + 2 n) a(n + 1), a(0) = 0, a(1) = 3, a(2) = 8, a(3) = 16\}$$

Sequence: A115006
Score: 7.61791
Type of gen. func.: ogf

$$(975 f(x) - 6113) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x + 2 x^2 - f(x) + 3 x)$$

Sequence: A115007
Score: 9.29713
Type of gen. func.: lgdogf

$$- \frac{9 x^6 + 48 x^5 + 107 x^4 + 144 x^3 + 118 x^2 + 62 x + 16}{(x - 1) (x + 1) (x^2 + x + 1) (3 x^3 + 9 x^2 + 10 x + 6)}$$

Sequence: A115007
Score: 9.42686
Type of gen. func.: ogf

$$- \frac{x (3 x^3 + 9 x^2 + 10 x + 6)}{(x + 1) (x^2 + x + 1) (x - 1)^3}$$

Sequence: A115008
Score: 10.5965
Type of gen. func.: ogf

$$- \frac{x^3 + 2 x^2 - x + 1}{(x^2 + 1) (x^2 + x - 1)}$$

Sequence: A115008
Score: 12.4180
Type of gen. func.: lgdogf

$$-\frac{x\,(x^5+4\,x^4-x^3+4\,x+4)}{(x^2+1)\,(x^2+x-1)\,(x^3+2\,x^2-x+1)}$$

Sequence: A115008
Score: 5.84924
Type of gen. func.: ogf

$$(2060\,f(x)-3093)\,(f(x)\,x^4+f(x)\,x^3+x^3+f(x)\,x+2\,x^2-f(x)-x+1)$$

Sequence: A115012
Score: 7.34034
Type of gen. func.: ogf

$$-\frac{x^8+2\,x^7+3\,x^6+4\,x^5+4\,x^3+3\,x^2+2\,x+1}{(x^4+x^3+x^2+x+1)^2\,(x-1)^3}$$

Sequence: A115014
Score: 9.69629
Type of gen. func.: ogf

$$-\frac{(x^2+1)\,(x^8-x^6+6\,x^4-x^2+1)}{(x+1)^2\,(x^2+x+1)^2\,(x^2-x+1)^2\,(x-1)^3}$$

Sequence: A115015
Score: 5.69822
Type of gen. func.: ogf

$$-(x^{12}+2\,x^{11}+3\,x^{10}+4\,x^9+5\,x^8+6\,x^7+6\,x^5+5\,x^4+4\,x^3+3\,x^2+2\,x+1)\Big/\left((x^6+x^5+x^4+x^3+x^2+x+1)^2\,(x-1)^3\right)$$

Sequence: A115032
Score: 10.4776
Type of gen. func.: ogf

$$-\frac{x^2 - 14x + 5}{(x-1)(x^2 - 18x + 1)}$$

Sequence: A115032
Score: 5.36453
Type of gen. func.: ogf

$$(8811420 f(x) + 283321)$$

$$(f(x) x^3 - 19 f(x) x^2 + 19 f(x) x + x^2 - f(x) - 14 x + 5)$$

Sequence: A115032
Score: 5.68276
Type of gen. func.: ogf

{-a(n + 3) + 19 a(n + 2) - 19 a(n + 1) + a(n), a(0) = 5, a(1) = 81, a(2) = 1445

}

Sequence: A115032
Score: 6.15198
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 28x^3 - 262x^2 + 188x - 81}{-x^5 + 33x^4 - 290x^3 + 362x^2 - 109x + 5}$$

Sequence: A115032
Score: 8.18361
Type of gen. func.: lgdogf

$$-\frac{x^4 - 28x^3 + 262x^2 - 188x + 81}{(x-1)(x^2 - 18x + 1)(x^2 - 14x + 5)}$$

Sequence: A115036
Score: 4.23836
Type of gen. func.: ogf

$$-2\,(x^{25}+x^{22}-x^{21}+x^{19}-x^{18}+x^{16}-x^{15}+x^{13}-x^{12}+x^{10}+x^{8}+2\,x^{7}-2\,x^{6}-x^{5}-x^{4}-2\,x^{3}-2\,x^{2}-2\,x-3)\;/\;\left((x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)\,(x-1)^{2}\right)$$

Sequence: A115046
Score: 13.1230
Type of gen. func.: lgdogf

$$\frac{2\,x\,(3\,x^{5}-6\,x^{4}+36\,x^{3}-4\,x^{2}+9\,x-6)}{(x-1)\,(x+1)\,(x^{2}+1)\,(x^{4}-6\,x^{3}+1)}$$

Sequence: A115046
Score: 7.27613
Type of gen. func.: ogf

$$\frac{(x^{4}-6\,x^{3}+1)\,(x^{2}+1)^{2}}{(x-1)^{4}\,(x+1)^{4}}$$

Sequence: A115046
Score: 8.58583
Type of gen. func.: lgdogf

$$-\,\frac{-6\,x^{6}+12\,x^{5}-72\,x^{4}+8\,x^{3}-18\,x^{2}+12\,x}{x^{8}-6\,x^{7}+6\,x^{3}-1}$$

Sequence: A115052
Score: 11.8186

Type of gen. func.: ogf

$$\frac{1}{(3 x^2 - 3 x + 1)^2}$$

Sequence: A115052
Score: 12.3010
Type of gen. func.: lgdogf

$$-\frac{6 - 12 x}{-3 x^2 + 3 x - 1}$$

Sequence: A115052
Score: 3.93952
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-12 - 3 n) a(n + 2) + (3 n + 15) a(n + 1), a(0) = 1,

a(1) = 6, a(2) = 21}

Sequence: A115052
Score: 4.86085
Type of gen. func.: ogf

$$-(f(x) - 20) (9 f(x) x^4 - 18 f(x) x^3 + 15 f(x) x^2 - 6 f(x) x + f(x) - 1)$$

Sequence: A115053
Score: 13.2610
Type of gen. func.: ogf

$$\frac{x (x + 3)^2}{(3 x + 1)^2}$$

Sequence: A115053
Score: 19.8916
Type of gen. func.: lgdogf

$$-\frac{16}{3x^{2}+10x+3}$$

Sequence: A115053
Score: 46.1884
Type of gen. func.: lgdogf

$$-\frac{16}{(x+3)(3x+1)}$$

Sequence: A115053
Score: 6.51620
Type of gen. func.: ogf

$\{a(n + 4) + 6 a(n + 3) + 9 a(n + 2), a(0) = 0, a(1) = 9, a(2) = -48, a(3) = 208$

$\}$

Sequence: A115053
Score: 7.33863
Type of gen. func.: ogf

$$-(17 f(x) + 27) (9 f(x) x^{2} - x^{3} + 6 f(x) x - 6 x^{2} + f(x) - 9 x)$$

Sequence: A115054
Score: 26.1243
Type of gen. func.: lgdogf

$$\frac{2 (x + 2)^{2} (x - 1)^{2}}{(x^{3} + 6 x + 2) (x^{2} + x + 1)}$$

Sequence: A115054
Score: 9.22321
Type of gen. func.: ogf

$$\frac{(x^{3} + 6 x + 2)^{2}}{{}^{2}\qquad{}^{2}}$$

$$(x + x + 1)$$

Sequence: A115054
Score: 9.22321
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 4 x^3 - 6 x^2 - 8 x + 8}{-x^5 - x^4 - 7 x^3 - 8 x^2 - 8 x - 2}$$

Sequence: A115055
Score: 13.9603
Type of gen. func.: lgdogf

$$-\frac{3 x^2 (1 + 2 x) (x + 1)^2}{(x^2 + x - 1) (x^4 + 2 x^3 + 2 x^2 + x + 1)}$$

Sequence: A115055
Score: 14.2937
Type of gen. func.: ogf

$$-\frac{x}{(x^2 + x - 1) (x^4 + 2 x^3 + 2 x^2 + x + 1)}$$

Sequence: A115055
Score: 8.05923
Type of gen. func.: lgdogf

$$-\frac{-6 x^5 - 15 x^4 - 12 x^3 - 3 x^2}{-x^6 - 3 x^5 - 3 x^4 - x^3 + 1}$$

Sequence: A115056
Score: 14.4142
Type of gen. func.: lgdogf

$$4 x + 11$$

$$-\frac{\qquad}{x^2 + x - 2}$$

Sequence: A115056
Score: 33.4666
Type of gen. func.: lgdogf

$$-\frac{4 x + 11}{(x + 2) (x - 1)}$$

Sequence: A115056
Score: 4.61631
Type of gen. func.: ogf

$$\{2 n a(n + 3) + (-10 - n) a(n + 2) + (-n - 2) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 48\}$$

Sequence: A115056
Score: 8.71969
Type of gen. func.: ogf

$$-\frac{24 x^3 (x + 2)}{(x - 1)^5}$$

Sequence: A115059
Score: 11.9591
Type of gen. func.: lgdogf

$$-\frac{3 x^6 + 6 x^5 + x^4 + 2 x^3 + 7 x^2 + 1}{(x^2 + 1) (x^2 + x - 1) (x^3 + x^2 + 1)}$$

Sequence: A115059
Score: 8.05208
Type of gen. func.: ogf

$$x^2 (x^3 + x^2 + 1)$$

$$- \frac{}{(x^2 + x - 1) (x^2 + 1)^2}$$

Sequence: A115067
Score: 14.4748
Type of gen. func.: ogf

$$\frac{x (-4 + x)}{(x - 1)^3}$$

Sequence: A115067
Score: 16.8381
Type of gen. func.: lgdogf

$$- \frac{-2 x + 11}{-x^2 + 5 x - 4}$$

Sequence: A115067
Score: 36.9723
Type of gen. func.: lgdogf

$$- \frac{-11 + 2 x}{(x - 1) (-4 + x)}$$

Sequence: A115067
Score: 7.30147
Type of gen. func.: ogf

$$(1107 f(x) - 3367) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 4 x)$$

Sequence: A115067
Score: 7.36666
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 4, a(2) = 11\}$$

Sequence: A115098
Score: 10.6722
Type of gen. func.: ogf

$$3 f(x) x^2 - 4 f(x) x + f(x) + 5 x - 2$$

Sequence: A115098
Score: 14.9411
Type of gen. func.: ogf

$$-\frac{5 x - 2}{(3 x - 1) (x - 1)}$$

Sequence: A115098
Score: 17.3465
Type of gen. func.: lgdogf

$$-\frac{3 (5 x^2 - 4 x + 1)}{(x - 1) (3 x - 1) (5 x - 2)}$$

Sequence: A115098
Score: 19.9748
Type of gen. func.: revogf

$$-\frac{-1 - 2 x + (x^2 - x + 1)^{1/2}}{5 + 3 x}$$

Sequence: A115098
Score: 8.19940
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + 3 a(n), a(0) = 2, a(1) = 3\}$$

Sequence: A115098
Score: 9.74422
Type of gen. func.: lgdogf

^{2}

$$-\frac{15 x - 12 x + 3}{15 x^{3} - 26 x^{2} + 13 x - 2}$$

Sequence: A115099
Score: 11.9959
Type of gen. func.: lgdogf

$$-\frac{-6 x^{2} + 6 x - 2}{-6 x^{3} + 11 x^{2} - 6 x + 1}$$

Sequence: A115099
Score: 17.2336
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^{2} - 3 x + 1)}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A115099
Score: 17.3274
Type of gen. func.: ogf

$$-\frac{4 (2 x - 1)}{(3 x - 1) (x - 1)}$$

Sequence: A115099
Score: 8.56853
Type of gen. func.: ogf

$$-(13 f(x) + 12) (3 f(x) x^{2} - 4 f(x) x + f(x) + 8 x - 4)$$

Sequence: A115099
Score: 9.50896
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + 3 a(n), a(0) = 4, a(1) = 8\}$$

Sequence: A115102
Score: 11.7510
Type of gen. func.: lgdogf

$$-\frac{-6 x^{2} - 4 x - 4}{-6 x^{3} - 5 x^{2} + 2 x + 1}$$

Sequence: A115102
Score: 16.7126
Type of gen. func.: ogf

$$-\frac{2 (3 x + 1)}{(x + 1) (2 x - 1)}$$

Sequence: A115102
Score: 19.4264
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^{2} + 2 x + 2)}{(2 x - 1) (3 x + 1) (x + 1)}$$

Sequence: A115102
Score: 19.9514
Type of gen. func.: revogf

$$\frac{-2 - x + (9 x^{2} + 28 x + 4)^{1/2}}{4 (x + 3)}$$

Sequence: A115102
Score: 8.26445
Type of gen. func.: ogf

$$-(17 f(x) + 94) (2 f(x) x^{2} + f(x) x - f(x) + 6 x + 2)$$

Sequence: A115102
Score: 9.17154
Type of gen. func.: ogf

$$\{a(n+2) - a(n+1) - 2\,a(n),\ a(0) = 2,\ a(1) = 8\}$$

Sequence: A115106
Score: 5.59679
Type of gen. func.: lgdogf

$$\frac{4\,(224\,x^7 - 176\,x^6 - 224\,x^5 + 326\,x^4 - 128\,x^3 + 17\,x^2 + 2\,x - 1)}{(2\,x - 1)\,(4\,x^2 + 2\,x - 1)\,(56\,x^5 - 88\,x^4 + 20\,x^3 + 4\,x^2 - 1)}$$

Sequence: A115106
Score: 8.34367
Type of gen. func.: ogf

$$-\frac{56\,x^5 - 88\,x^4 + 20\,x^3 + 4\,x^2 - 1}{(2\,x - 1)\,(4\,x^2 + 2\,x - 1)}$$

Sequence: A115108
Score: 6.03923
Type of gen. func.: ogf

$$-\frac{9520\,x^9 - 11504\,x^8 + 2840\,x^7 - 1040\,x^6 + 248\,x^5 + 36\,x^4 - 1}{(2\,x - 1)\,(4\,x^2 + 2\,x - 1)}$$

Sequence: A115109
Score: 5.60430
Type of gen. func.: ogf

$$-\frac{3100\,x^8 - 3596\,x^7 + 854\,x^6 - 268\,x^5 - 6\,x^4 + 22\,x^3 - 4\,x^2 + 2\,x - 1}{(2\,x - 1)\,(4\,x^2 + 2\,x - 1)}$$

Sequence: A115110
Score: 20.0502
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x - 3}{x^2 - 1}$$

Sequence: A115112
Score: 4.04848
Type of gen. func.: ogf

$$4 f(x)^2 x^4 - 9 f(x)^2 x^3 + 6 f(x)^2 x^2 - 8 f(x) x^3 - f(x)^2 x + 2 f(x) x^2$$
$$+ 8 f(x) x + 4 x^2 - 2 f(x) + 8 x$$

Sequence: A115113
Score: 12.9029
Type of gen. func.: ogf

$$\frac{2 (8 x^2 - 1)}{(x + 1) (4 x - 1)}$$

Sequence: A115113
Score: 16.2162
Type of gen. func.: lgdogf

$$\frac{24 x^2 - 8 x + 3}{(4 x - 1) (x + 1) (8 x^2 - 1)}$$

Sequence: A115113
Score: 6.26353
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 4 a(n + 1), a(0) = 2, a(1) = 6, a(2) = 10\}$$

Sequence: A115113
Score: 8.23282

Type of gen. func.: ogf

$$(61 f(x) - 284) (4 f(x) x^2 + 3 f(x) x - 16 x^2 - f(x) + 2)$$

Sequence: A115113
Score: 8.48874
Type of gen. func.: lgdogf

$$-\frac{24 x^2 - 8 x + 3}{-32 x^4 - 24 x^3 + 12 x^2 + 3 x - 1}$$

Sequence: A115125
Score: 12.2473
Type of gen. func.: lgdogf

$$-\frac{-8 x + 1 + 3 (-8 x + 1)^{1/2}}{2 (x + 1) (8 x - 1)}$$

Sequence: A115125
Score: 18.3707
Type of gen. func.: ogf

$$2 x + 2 - 3 f(x) + f(x)^2$$

Sequence: A115125
Score: 5.74019
Type of gen. func.: ogf

$$\{(-8 n + 4) a(n) + (n + 1) a(n + 1), a(0) = 1, a(1) = 2\}$$

Sequence: A115129
Score: 13.2518
Type of gen. func.: lgdogf

$$-\frac{15 x^3 - 65 x^2 + 100 x - 56}{{}^{3} \qquad {}^{2}}$$

$$(x - 1) (5 x - 20 x + 28 x - 14)$$

Sequence: A115129
Score: 4.03841
Type of gen. func.: ogf

$$\{(n^2 + 15 n + 44) a(n + 1) + (-2 n^2 - 26 n - 68) a(n + 2) + (n^2 + 11 n + 24) a(n + 3), a(0) = 14, a(1) = 56, a(2) = 146\}$$

Sequence: A115129
Score: 7.50574
Type of gen. func.: ogf

$$-\frac{5 x^3 - 20 x^2 + 28 x - 14}{(x - 1)^6}$$

Sequence: A115129
Score: 8.34908
Type of gen. func.: lgdogf

$$-\frac{-15 x^3 + 65 x^2 - 100 x + 56}{-5 x^4 + 25 x^3 - 48 x^2 + 42 x - 14}$$

Sequence: A115130
Score: 3.76811
Type of gen. func.: ogf

$$\{(n^2 + 17 n + 52) a(n + 1) + (-2 n^2 - 29 n - 79) a(n + 2) + (n^2 + 12 n + 27) a(n + 3), a(0) = 42, a(1) = 174, a(2) = 471\}$$

Sequence: A115130
Score: 5.80917
Type of gen. func.: ogf

$$-\frac{14 x^4 - 70 x^3 + 135 x^2 - 120 x + 42}{(x - 1)^7}$$

Sequence: A115130
Score: 9.23465
Type of gen. func.: lgdogf

$$-\frac{42 x^4 - 224 x^3 + 465 x^2 - 450 x + 174}{(x - 1) (14 x^4 - 70 x^3 + 135 x^2 - 120 x + 42)}$$

Sequence: A115132
Score: 3.69142
Type of gen. func.: ogf

$$\{(n^2 + 19 n + 60) a(n + 1) + (-2 n^2 - 32 n - 90) a(n + 2)$$

$$+ (n^2 + 13 n + 30) a(n + 3), a(0) = 132, a(1) = 561, a(2) = 1562\}$$

Sequence: A115132
Score: 4.89572
Type of gen. func.: ogf

$$-\frac{42 x^5 - 252 x^4 + 616 x^3 - 770 x^2 + 495 x - 132}{(x - 1)^8}$$

Sequence: A115132
Score: 6.97760
Type of gen. func.: lgdogf

$$-\frac{126 x^5 - 798 x^4 + 2072 x^3 - 2772 x^2 + 1925 x - 561}{(x - 1) (42 x^5 - 252 x^4 + 616 x^3 - 770 x^2 + 495 x - 132)}$$

Sequence: A115133

Score: 3.36153
Type of gen. func.: ogf

$$\{(n^2 + 21 n + 68) a(n + 1) + (-2 n^2 - 35 n - 101) a(n + 2)$$

$$+ (n^2 + 14 n + 33) a(n + 3), a(0) = 429, a(1) = 1859, a(2) = 5291\}$$

Sequence: A115133
Score: 3.80437
Type of gen. func.: ogf

$$- \frac{132 x^6 - 924 x^5 + 2730 x^4 - 4368 x^3 + 4004 x^2 - 2002 x + 429}{(x - 1)^9}$$

Sequence: A115133
Score: 5.10080
Type of gen. func.: lgdogf

$$- \frac{396 x^6 - 2904 x^5 + 9030 x^4 - 15288 x^3 + 14924 x^2 - 8008 x + 1859}{(x - 1) (132 x^6 - 924 x^5 + 2730 x^4 - 4368 x^3 + 4004 x^2 - 2002 x + 429)}$$

Sequence: A115135
Score: 6.03243
Type of gen. func.: ogf

$$\frac{x (92 x^5 + 433 x^4 + 92 x^3 - 444 x^2 - 1299 x - 108)}{(x - 1) (x^6 - 6 x^3 + 1)}$$

Sequence: A115137
Score: 5.46307
Type of gen. func.: ogf

$$-f(x)^2 x^2 - f(x)^2 x + 4 f(x) x^2 - 4 f(x) x - 4 x^2 + f(x) + 4 x - 1$$

Sequence: A115138
Score: 6.53228
Type of gen. func.: ogf

$$-f(x)^2 x^2 - f(x)^2 x + 8 f(x) x^2 - 6 f(x) x - 16 x^2 + f(x) + 8 x - 1$$

Sequence: A115140
Score: 11.6627
Type of gen. func.: lgdogf

$$-\frac{2}{(1 - 4 x)^{1/2} (1 + (1 - 4 x)^{1/2})}$$

Sequence: A115140
Score: 18.9125
Type of gen. func.: ogf

$$-x + f(x) - f(x)^2$$

Sequence: A115140
Score: 22.1829
Type of gen. func.: revogf

$$x \operatorname{hypergeom}([1/3, 2/3], [3/2], \frac{27 x}{4})$$

Sequence: A115140
Score: 7.28919
Type of gen. func.: ogf

$$\{(-4 n + 2) a(n) + (n + 1) a(n + 1), a(0) = 1, a(1) = -1\}$$

Sequence: A115141
Score: 11.6627
Type of gen. func.: lgdogf

$$-\frac{4}{(1 - 4 x)^{1/2} (1 + (1 - 4 x)^{1/2})}$$

Sequence: A115141
Score: 11.8604
Type of gen. func.: ogf

$$f(x)^2 + 2 f(x) x + x^2 - f(x)$$

Sequence: A115141
Score: 6.03243
Type of gen. func.: ogf

$$\{(-4 n - 2) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = -2, a(2) = -1\}$$

Sequence: A115142
Score: 11.3850
Type of gen. func.: lgdogf

$$- \frac{6}{(1 - 4 x)^{1/2} (1 + (1 - 4 x)^{1/2})}$$

Sequence: A115142
Score: 11.578
Type of gen. func.: ogf

$$-x^3 - f(x)^2 - 3 f(x) x + f(x)$$

Sequence: A115142
Score: 22.3453
Type of gen. func.: lgdogf

$$- \frac{6}{(1 - 4 x)^{1/2} (1 + (1 - 4 x)^{1/2})}$$

Sequence: A115142
Score: 4.91440
Type of gen. func.: ogf

$\{(4 n^2 - 2 n) a(n + 1) + (-n^2 - n + 2) a(n + 2), a(0) = 1, a(1) = -3, a(2) = 0, a(3) = -1\}$

Sequence: A115143
Score: 12.0662
Type of gen. func.: lgdogf

$$-\frac{8}{(1 - 4 x)^{1/2} (1 + (1 - 4 x)^{1/2})}$$

Sequence: A115143
Score: 23.5711
Type of gen. func.: lgdogf

$$-\frac{8}{(1 - 4 x)^{1/2} (1 + (1 - 4 x)^{1/2})}$$

Sequence: A115143
Score: 4.79450
Type of gen. func.: ogf

$\{(-4 n^2 + 6 n - 2) a(n + 1) + (n^2 - 4) a(n + 2), a(0) = 1, a(1) = -4, a(2) = 2, a(3) = 0, a(4) = -1\}$

Sequence: A115143
Score: 9.40219
Type of gen. func.: ogf

$$x^4 - 2 f(x) x^2 + f(x)^2 + 4 f(x) x - f(x)$$

Sequence: A115144
Score: 11.4819
Type of gen. func.: lgdogf

$$-\frac{}{(1-4x)^{1/2}\,(1+(1-4x)^{1/2})}$$

Sequence: A115144
Score: 22.2242
Type of gen. func.: lgdogf

$$-\frac{10}{(1-4x)^{1/2}\,(1+(1-4x)^{1/2})}$$

Sequence: A115144
Score: 4.19400
Type of gen. func.: ogf

$$\{(-4n^2+10n-6)\,a(n+1)+(n^2-n-6)\,a(n+2),\ a(0)=1,\ a(1)=-5,$$
$$a(2)=5,\ a(3)=0,\ a(4)=0,\ a(5)=-1\}$$

Sequence: A115145
Score: 12.0436
Type of gen. func.: lgdogf

$$-\frac{12}{(1-4x)^{1/2}\,(1+(1-4x)^{1/2})}$$

Sequence: A115145
Score: 23.3225
Type of gen. func.: lgdogf

$$-\frac{12}{(1-4x)^{1/2}\,(1+(1-4x)^{1/2})}$$

Sequence: A115145
Score: 4.08144
Type of gen. func.: ogf

$$\{(4n^2-14n+12)\,a(n+1)+(-n^2+2n+8)\,a(n+2),\ a(0)=1,\ a(1)=-6,$$

$a(2) = 9, a(3) = -2, a(4) = 0, a(5) = 0, a(6) = -1\}$

Sequence: A115146
Score: 11.5418
Type of gen. func.: lgdogf

$$-\frac{14}{(1-4x)^{1/2}\,(1+(1-4x)^{1/2})}$$

Sequence: A115146
Score: 22.4479
Type of gen. func.: lgdogf

$$-\frac{14}{(1-4x)^{1/2}\,(1+(1-4x)^{1/2})}$$

Sequence: A115146
Score: 3.64792
Type of gen. func.: ogf

$\{(4n^2 - 18n + 20)\,a(n+1) + (-n^2 + 3n + 10)\,a(n+2), a(0) = 1, a(1) = -7,$

$a(2) = 14, a(3) = -7, a(4) = 0, a(5) = 0, a(6) = 0, a(7) = -1\}$

Sequence: A115147
Score: 11.1515
Type of gen. func.: lgdogf

$$-\frac{16}{(1-4x)^{1/2}\,(1+(1-4x)^{1/2})}$$

Sequence: A115147
Score: 21.6705
Type of gen. func.: lgdogf

```
                  16
- ------------------------------
             1/2                 1/2
```

$$(1 - 4 x) \quad (1 + (1 - 4 x) \quad)$$

Sequence: A115148
Score: 10.5939
Type of gen. func.: lgdogf

$$- \frac{18}{(1 - 4 x)^{1/2} (1 + (1 - 4 x)^{1/2})}$$

Sequence: A115148
Score: 20.6987
Type of gen. func.: lgdogf

$$- \frac{18}{(1 - 4 x)^{1/2} (1 + (1 - 4 x)^{1/2})}$$

Sequence: A115149
Score: 11.2590
Type of gen. func.: lgdogf

$$- \frac{20}{(1 - 4 x)^{1/2} (1 + (1 - 4 x)^{1/2})}$$

Sequence: A115149
Score: 21.3670
Type of gen. func.: lgdogf

$$100 + (10 - 40 x) f(x) + (4 x^2 - x) f(x)^2$$

Sequence: A115150
Score: 4.8411
Type of gen. func.: ogf

$$f(x)^2 x^4 + f(x)^2 x^3 - 2 f(x) x^3 - 8 f(x) x^2 + 8 f(x) x + x^2 - f(x) + 7 x + 1$$

Sequence: A115164
Score: 11.8883
Type of gen. func.: ogf

$$\frac{24 x^2 + 2 x - 3}{(x + 1) (4 x - 1)}$$

Sequence: A115164
Score: 13.9834
Type of gen. func.: lgdogf

$$\frac{64 x^2 - 24 x + 7}{(4 x - 1) (x + 1) (24 x^2 + 2 x - 3)}$$

Sequence: A115164
Score: 6.29378
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 4 a(n + 1), a(0) = 3, a(1) = 7, a(2) = 9\}$$

Sequence: A115164
Score: 6.48451
Type of gen. func.: ogf

$$-(3 f(x) - 58) (4 f(x) x^2 + 3 f(x) x - 24 x^2 - f(x) - 2 x + 3)$$

Sequence: A115164
Score: 8.23033
Type of gen. func.: lgdogf

$$- \frac{64 x^2 - 24 x + 7}{-96 x^4 - 80 x^3 + 30 x^2 + 11 x - 3}$$

Sequence: A115178
Score: 11.497
Type of gen. func.: ogf

$$-f(x)^2 x^3 - f(x)^2 x^2 + f(x) - 1$$

Sequence: A115178
Score: 13.3567
Type of gen. func.: revogf

$$\frac{-x^2 - 1 + (x + 1)^{1/2} (x^3 + 3 x^2 - x + 1)^{1/2}}{2 x^2}$$

Sequence: A115180
Score: 4.72449
Type of gen. func.: ogf

$$(x^2 + x + 1) (x^2 - x + 1) (x^{13} + x^{12} + x^8 + x^7 + x^4 + x + 1) / ((x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A115188
Score: 5.45959
Type of gen. func.: ogf

$$-f(x)^2 x^3 - 2 f(x)^2 x^2 + 4 f(x) x^2 - 9 f(x) x + f(x) - 4 x - 1$$

Sequence: A115188
Score: 9.27961
Type of gen. func.: revogf

$$\frac{-1 - 9 x - 2 x^2 + ((4 x^2 + 32 x + 1) (x + 1)^2)^{1/2}}{2 (x - 2)^2}$$

Sequence: A115189

Score: 4.4033
Type of gen. func.: ogf

$$f(x)^2 x^4 + 2 f(x)^2 x^3 - 4 f(x) x^3 - 18 f(x) x^2 + 12 f(x) x + 4 x^2 - f(x) + 28 x + 1$$

Sequence: A115194
Score: 6.08607
Type of gen. func.: ogf

$$-4 f(x)^2 x^4 - 4 f(x)^2 x^3 + 4 f(x) x^2 - 7 f(x) x + f(x) - 1$$

Sequence: A115197
Score: 13.9287
Type of gen. func.: lgdogf

$$-\frac{-1 + 8 x + 3 (-8 x + 1)^{1/2}}{(x + 1) (8 x - 1)}$$

Sequence: A115197
Score: 15.0580
Type of gen. func.: revogf

$$\frac{(5 - 2 x + 3 (1 - 4 x)^{1/2}) x}{2 (x + 2)^2}$$

Sequence: A115197
Score: 3.77036
Type of gen. func.: ogf

$$\{(20 + 8 n) a(n + 1) + (7 n + 8) a(n + 2) + (-n - 3) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 7\}$$

Sequence: A115197
Score: 6.25633
Type of gen. func.: ogf

$$-f(x)^2 x^2 - 2 f(x)^2 x - f(x)^2 - 4 f(x) x + 5 f(x) - 4$$

Sequence: A115197
Score: 8.37243
Type of gen. func.: lgdogf

$$-\frac{-1 + 8 x + 3 (-8 x + 1)^{1/2}}{8 x^2 + 7 x - 1}$$

Sequence: A115202
Score: 9.90917
Type of gen. func.: lgdogf

$$36 + 50 x + (40 x^2 + 27 x - 4) f(x) + (8 x^3 + 7 x^2 - x) f(x)^2$$

Sequence: A115203
Score: 10.2489
Type of gen. func.: lgdogf

$$55 + 72 x + (48 x^2 + 34 x - 5) f(x) + (8 x^3 + 7 x^2 - x) f(x)^2$$

Sequence: A115204
Score: 10.5320
Type of gen. func.: lgdogf

$$78 + 98 x + (56 x^2 + 41 x - 6) f(x) + (8 x^3 + 7 x^2 - x) f(x)^2$$

Sequence: A115205
Score: 10.6950
Type of gen. func.: revogf

$$\frac{x (9 x^9 + 1)}{9 x^{10} + 10 x^9 + x + 1}$$

Sequence: A115205
Score: 4.27610
Type of gen. func.: ogf

$$\frac{(3 x^2 - 3 x + 1) (3 x^6 - 9 x^5 + 18 x^4 - 21 x^3 + 15 x^2 - 6 x + 1)}{(x - 1)^{10}}$$

Sequence: A115217
Score: 10.5661
Type of gen. func.: ogf

$$-\frac{1}{(2 x - 1) (x - 1) (x^2 + x + 1) (2 x^2 - 1)}$$

Sequence: A115217
Score: 9.89797
Type of gen. func.: lgdogf

$$-\frac{24 x^5 - 10 x^4 - 8 x^3 - 9 x^2 + 4 x + 2}{(x - 1) (2 x - 1) (x^2 + x + 1) (2 x^2 - 1)}$$

Sequence: A115219
Score: 12.0471
Type of gen. func.: ogf

$$\frac{2 x^2 (x - 1)}{2 x^3 - 2 x^2 + 3 x - 1}$$

Sequence: A115219
Score: 14.8573
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^3 - 4 x^2 + 2 x - 1)}{^{3} \quad ^{2}}$$

$$(x - 1) (2 x - 2 x + 3 x - 1)$$

Sequence: A115219
Score: 5.65288
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) + 2 a(n + 2) - 2 a(n + 1), a(0) = 0, a(1) = 0, a(2) = 2,

a(3) = 4}

Sequence: A115219
Score: 6.62048
Type of gen. func.: ogf

$$(f(x) + 1) (2 f(x) x^3 - 2 f(x) x^2 - 2 x^3 + 3 f(x) x + 2 x^2 - f(x))$$

Sequence: A115219
Score: 9.18592
Type of gen. func.: lgdogf

$$- \frac{-4 x^3 + 8 x^2 - 4 x + 2}{-2 x^4 + 4 x^3 - 5 x^2 + 4 x - 1}$$

Sequence: A115220
Score: 10.2036
Type of gen. func.: ogf

$$\frac{x^4 (2 x^2 + 2 x - 1)}{2 x^6 + 2 x^5 - x^4 + 4 x - 1}$$

Sequence: A115220
Score: 9.82096
Type of gen. func.: lgdogf

$$- \frac{2 (8 x^7 + 16 x^6 - 8 x^4 + 2 x^3 - 4 x^2 + 2 x - 1)}{(2 x^2 + 2 x - 1) (2 x^6 + 2 x^5 - x^4 + 4 x - 1)}$$

Sequence: A115235
Score: 4.15399
Type of gen. func.: ogf_with_Euler_transform]

$$- (2 x^{17} + 2 x^{16} + x^{15} + x^{14} + x^{13} + 2 x^{12} + 2 x^{10} + x^{9} + 2 x^{8} + x^{7} + 2 x^{6} + 2 x^{4} + x^{3} + x^{2} + x + 2) \Big/ (-x^{18} + 1)$$

Sequence: A115238
Score: 5.95350
Type of gen. func.: ogf

$$- \frac{x^{4} + 2 x^{3} + 2 x^{2} + x + 1}{(x^{2} + 1) (x + 1)^{3} (x - 1)^{5}}$$

Sequence: A115238
Score: 7.99225
Type of gen. func.: lgdogf

$$- \frac{6 x^{7} + 16 x^{6} + 26 x^{5} + 27 x^{4} + 32 x^{3} + 18 x^{2} + 12 x + 3}{(x - 1) (x + 1) (x^{2} + 1) (x^{4} + 2 x^{3} + 2 x^{2} + x + 1)}$$

Sequence: A115243
Score: 11.2626
Type of gen. func.: ogf

$$\frac{2 x (1 + 2 x)}{(x - 1) (4 x - 1) (x + 1)}$$

Sequence: A115243
Score: 12.6486
Type of gen. func.: lgdogf

$$2 (8 x^{3} + 5 x^{2} - x - 3)$$

$$- \frac{}{(x - 1) (4 x - 1) (1 + 2 x) (x + 1)}$$

Sequence: A115243
Score: 5.73184
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) + a(n + 1) - 4 a(n), a(0) = 0, a(1) = 2, a(2) = 12\}$$

Sequence: A115243
Score: 7.12518
Type of gen. func.: ogf

$$(3 f(x) + 1) (4 f(x) x^3 - f(x) x^2 - 4 f(x) x - 4 x^2 + f(x) - 2 x)$$

Sequence: A115243
Score: 7.82885
Type of gen. func.: lgdogf

$$- \frac{16 x^3 + 10 x^2 - 2 x - 6}{8 x^4 + 2 x^3 - 9 x^2 - 2 x + 1}$$

Sequence: A115256
Score: 8.40253
Type of gen. func.: lgdogf

$$- \frac{72 x^5 - 16 x^4 - 14 x^3 - 21 x^2 + 4 x + 2}{(x - 1) (1 + 2 x) (2 x - 1) (4 x - 1) (x^2 + x + 1)}$$

Sequence: A115257
Score: 3.01673
Type of gen. func.: ogf

$$\{(16 n^2 + 80 n + 100) a(n + 1) + (-17 n^2 - 86 n - 109) a(n + 2)$$

$$+ (n^2 + 6 n + 9) a(n + 3), a(0) = 1, a(1) = 5, a(2) = 41\}$$

Sequence: A115264
Score: 11.7344
Type of gen. func.: lgdogf

$$-\frac{12 x^5 + 13 x^4 + 18 x^3 + 10 x^2 + 6 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A115264
Score: 23.8138
Type of gen. func.: ogf_with_Euler_transform]

$$x^3 + x^2 + 2 x + 1$$

Sequence: A115264
Score: 7.59653
Type of gen. func.: ogf

$$-\frac{1}{(x^2 + x + 1) (x^2 + 1) (x + 1)^3 (x - 1)^5}$$

Sequence: A115266
Score: 10.8741
Type of gen. func.: lgdogf

$$-\frac{-10 x^3 - 12 x^2 - 6 x - 2}{-x^4 - x^3 + x + 1}$$

Sequence: A115266
Score: 13.8738
Type of gen. func.: ogf

$$-\frac{1}{(x + 1) (x^2 + x + 1)^2 (x - 1)^5}$$

Sequence: A115266
Score: 14.3506
Type of gen. func.: lgdogf

a(n + 4) + a(n + 3) - a(n + 1) - a(n), a(0) = 2, a(1) = 4, a(2) = 8, a(3) = 4

Sequence: A115266
Score: 32.0074
Type of gen. func.: ogf_with_Euler_transform]

$$2 x^{2} + x + 2$$

Sequence: A115269
Score: 13.9165
Type of gen. func.: lgdogf

$$- \frac{-12 x^{3} - 2 x^{2} - 4 x - 2}{-x^{4} + 1}$$

Sequence: A115269
Score: 15.3185
Type of gen. func.: lgdogf

$$- \frac{2 (6 x^{3} + x^{2} + 2 x + 1)}{(x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A115269
Score: 29.1216
Type of gen. func.: ogf_with_Euler_transform]

$$[2 x^{3} + x + 2]$$

Sequence: A115269
Score: 9.32866
Type of gen. func.: ogf

$$-\frac{1}{(x^2+1)^2 (x+1)^3 (x-1)^5}$$

Sequence: A115270
Score: 13.0460
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 + x^3 + x^2 + x + 1$$

Sequence: A115270
Score: 5.18429
Type of gen. func.: lgdogf

$$-\frac{18 x^9 + 19 x^8 + 22 x^7 + 8 x^6 + 14 x^5 + 12 x^4 + 14 x^3 + 8 x^2 + 4 x + 1}{(x-1) (x+1) (x^2+1) (x^2+x+1) (x^4+1)}$$

Sequence: A115270
Score: 5.72838
Type of gen. func.: ogf

$$-\frac{1}{(x^2+x+1) (x^4+1) (x^2+1)^2 (x+1)^2 (x-1)^5}$$

Sequence: A115271
Score: 11.9806
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^7 + x^6 + x^5 + x^4 + 7 x^3 + x^2 + x + 1)}{(x-1) (x+1) (x^2+1) (x^4+1)}$$

Sequence: A115271
Score: 26.8401
Type of gen. func.: ogf_with_Euler_transform]

$$-x^7 + 3 x^3 + 2$$

Sequence: A115271
Score: 7.98371
Type of gen. func.: ogf

$$\frac{x^4 + 1}{(x + 1)^2 (x^2 + 1)^2 (x - 1)^4}$$

Sequence: A115271
Score: 8.41295
Type of gen. func.: lgdogf

$$- \frac{-6 x^7 - 2 x^6 - 2 x^5 - 2 x^4 - 14 x^3 - 2 x^2 - 2 x - 2}{-x^8 + 1}$$

Sequence: A115273
Score: 12.2327
Type of gen. func.: lgdogf

$$- \frac{-10 x^3 - 6 x^2 - 2}{-2 x^4 - x^3 + 2 x + 1}$$

Sequence: A115273
Score: 14.8080
Type of gen. func.: ogf

$$\frac{x^4 (1 + 2 x)}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A115273
Score: 21.8838
Type of gen. func.: lgdogf

$$-\frac{2\,(5x^3+3x^2+1)}{(x-1)(1+2x)(x^2+x+1)}$$

Sequence: A115274
Score: 10.6824
Type of gen. func.: lgdogf

$$-\frac{6x^6+9x^5+12x^4+22x^3+15x^2+6x+2}{(x-1)(x^2+x+1)(3x^4+3x^3+3x^2+2x+1)}$$

Sequence: A115274
Score: 12.3793
Type of gen. func.: ogf

$$\frac{3x^4+3x^3+3x^2+2x+1}{(x-1)^2\,(x^2+x+1)^2}$$

Sequence: A115283
Score: 9.06565
Type of gen. func.: ogf

$$-\frac{(1+2x)(2x^2+1)}{(x+1)(x^2+x+1)(x-1)^3}$$

Sequence: A115283
Score: 9.09654
Type of gen. func.: lgdogf

$$-\frac{3\,(4x^6+8x^5+12x^4+14x^3+11x^2+4x+1)}{(x-1)(1+2x)(x+1)(x^2+x+1)(2x^2+1)}$$

Sequence: A115285
Score: 14.1773
Type of gen. func.: lgdogf

$$-\frac{(x^2+2x+3)(3x^2+2x+1)}{(x-1)(x+1)(x^2+1)(x^2+x+1)}$$

Sequence: A115285
Score: 24.4003
Type of gen. func.: ogf_with_Euler_transform]

$$-2x^3+x^2+x+3$$

Sequence: A115285
Score: 8.01484
Type of gen. func.: ogf

$$-\frac{(x+1)(x^2+1)^2}{(x^2+x+1)(x-1)^3}$$

Sequence: A115285
Score: 8.34535
Type of gen. func.: lgdogf

$$-\frac{3x^4+8x^3+14x^2+8x+3}{x^6+x^5+x^4-x^2-x-1}$$

Sequence: A115286
Score: 11.6970
Type of gen. func.: lgdogf

$$-\frac{2(3x^4+36x^3+44x^2+17x+5)}{(x-1)(2x^4+16x^3+8x^2+3x+1)}$$

Sequence: A115286
Score: 6.32427
Type of gen. func.: ogf

$$-\frac{4 x (2 x^4 + 16 x^3 + 8 x^2 + 3 x + 1)}{(x - 1)^7}$$

Sequence: A115286
Score: 7.51398
Type of gen. func.: lgdogf

$$-\frac{6 x^4 + 72 x^3 + 88 x^2 + 34 x + 10}{2 x^5 + 14 x^4 - 8 x^3 - 5 x^2 - 2 x - 1}$$

Sequence: A115291
Score: 10.3260
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3), a(0) = 1, a(1) = 4, a(2) = 7, a(3) = 8\}$$

Sequence: A115291
Score: 11.3942
Type of gen. func.: ogf

$$(321 f(x) - 236) (x^3 + f(x) x + 3 x^2 - f(x) + 3 x + 1)$$

Sequence: A115291
Score: 18.7036
Type of gen. func.: ogf

$$-\frac{(x + 1)^3}{x - 1}$$

Sequence: A115291
Score: 22.5294

Type of gen. func.: lgdogf

$$-\frac{2x-4}{-x^2+1}$$

Sequence: A115291
Score: 47.1074
Type of gen. func.: ogf_with_Euler_transform]

$$[4 - 3x]$$

Sequence: A115291
Score: 51.1936
Type of gen. func.: lgdogf

$$\frac{2(x-2)}{(x-1)(x+1)}$$

Sequence: A115293
Score: 17.5551
Type of gen. func.: lgdogf

$$-\frac{2x-8}{-x^2+1}$$

Sequence: A115293
Score: 36.5375
Type of gen. func.: ogf_with_Euler_transform]

$$[8 - 5x]$$

Sequence: A115293
Score: 39.8720
Type of gen. func.: lgdogf

$$\frac{2(-4+x)}{(x-1)(x+1)}$$

Sequence: A115293
Score: 5.72165
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) - 8 a(n + 2) + (1 - n) a(n + 1), a(0) = 1, a(1) = 8, a(2) = 31\}$$

Sequence: A115293
Score: 8.87843
Type of gen. func.: ogf

$$-\frac{(x + 1)^5}{(x - 1)^3}$$

Sequence: A115294
Score: 13.3678
Type of gen. func.: lgdogf

$$\frac{(3 x^2 + 2 x + 1) (x^3 - x^2 - 2 x - 4)}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A115294
Score: 24.2242
Type of gen. func.: ogf_with_Euler_transform]

$$-3 x^3 + x^2 + x + 4$$

Sequence: A115294
Score: 6.43211
Type of gen. func.: ogf

$$-\frac{(x + 1)^2 (x^2 + 1)^3}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A115295
Score: 12.6824
Type of gen. func.: ogf

$$\frac{15 x^{3} + 33 x^{2} + 15 x + 1}{(x - 1)^{2}}$$

Sequence: A115295
Score: 15.0256
Type of gen. func.: lgdogf

$$\frac{15 x^{3} - 45 x^{2} - 81 x - 17}{(x - 1) (15 x^{3} + 33 x^{2} + 15 x + 1)}$$

Sequence: A115295
Score: 6.70803
Type of gen. func.: ogf

$$-(1744352 f(x) - 11136321)$$

$$(f(x) x^{2} - 15 x^{3} - 2 f(x) x - 33 x^{2} + f(x) - 15 x - 1)$$

Sequence: A115295
Score: 6.87858
Type of gen. func.: ogf

$\{a(n + 4) - 2 a(n + 3) + a(n + 2), a(0) = 1, a(1) = 17, a(2) = 66, a(3) = 130\}$

Sequence: A115295
Score: 9.22355
Type of gen. func.: lgdogf

$$- \frac{-15 x^{3} + 45 x^{2} + 81 x + 17}{15 x^{4} + 18 x^{3} - 18 x^{2} - 14 x - 1}$$

Sequence: A115302
Score: 7.72521
Type of gen. func.: lgdogf

$$\frac{4x^8 - 2x^7 - 2x^6 - 11x^5 + 5x^4 + 9x^3 - 17x^2 - 4}{(x-1)(x^2+x+1)(2x^6 - 5x^4 + 4x^3 - 2x^2 + 3x + 1)}$$

Sequence: A115302
Score: 8.91992
Type of gen. func.: ogf

$$\frac{2x^6 - 5x^4 + 4x^3 - 2x^2 + 3x + 1}{(x^2+x+1)(x-1)^2}$$

Sequence: A115309
Score: 4.72685
Type of gen. func.: ogf

$$(8x^{17} - 2x^{16} - 2x^{15} - 2x^{14} - 2x^{13} - 2x^{12} - 2x^{11} - 2x^{10} - 2x^9 + 9x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) \Big/ ((x^2+x+1)(x^6+x^3+1)(x-1)^2)$$

Sequence: A115315
Score: 3.71221
Type of gen. func.: ogf

$$x^2 (x^8 - 2x^6 + x^5 + 2x^4 - x^3 - x^2 + 1) \Big/ ((x-1)(x+1)(x^2+x-1)(x^4 - x^3 + x^2 - x + 1)(x^8 - x^6 + x^4 - x^2 + 1))$$

Sequence: A115326
Score: 15.8970
Type of gen. func.: lgdegf]

$$-\frac{8x^2-6x-1}{(1+2x)(2x-1)^2}$$

Sequence: A115326
Score: 8.62595
Type of gen. func.: lgdegf]

$$-\frac{8x^2-6x-1}{8x^3-4x^2-2x+1}$$

Sequence: A115327
Score: 124.165
Type of gen. func.: lgdegf]

$$3x+1$$

Sequence: A115327
Score: 5.36753
Type of gen. func.: ogf

$\{(3n+6)a(n+1)-a(n+3)+a(n+2), a(0)=1, a(1)=1, a(2)=4\}$

Sequence: A115328
Score: 14.5596
Type of gen. func.: lgdegf]

$$-\frac{27x^2-12x-1}{(3x+1)(3x-1)^2}$$

Sequence: A115328
Score: 7.99219
Type of gen. func.: lgdegf]

$$-\frac{27x^2-12x-1}{\quad 3 \qquad 2}$$

$$27 x - 9 x - 3 x + 1$$

Sequence: A115329
Score: 5.10808
Type of gen. func.: ogf

$$\{(4 n + 8) a(n + 1) - a(n + 3) + a(n + 2), a(0) = 1, a(1) = 1, a(2) = 5\}$$

Sequence: A115329
Score: 59.0389
Type of gen. func.: lgdegf]

$$1 + 4 x - f(x)$$

Sequence: A115330
Score: 15.5827
Type of gen. func.: lgdegf]

$$-\frac{64 x^2 - 20 x - 1}{(4 x + 1) (4 x - 1)^2}$$

Sequence: A115330
Score: 8.41629
Type of gen. func.: lgdegf]

$$-\frac{64 x^2 - 20 x - 1}{64 x^3 - 16 x^2 - 4 x + 1}$$

Sequence: A115331
Score: 125.496
Type of gen. func.: lgdegf]

$$5 x + 1$$

Sequence: A115331
Score: 5.37685

Type of gen. func.: ogf

$$\{(5 n + 10) a(n + 1) - a(n + 3) + a(n + 2), a(0) = 1, a(1) = 1, a(2) = 6\}$$

Sequence: A115332
Score: 14.0940
Type of gen. func.: lgdegf]

$$-\frac{125 x^2 - 30 x - 1}{(5 x + 1) (5 x - 1)^2}$$

Sequence: A115332
Score: 7.40677
Type of gen. func.: lgdegf]

$$-\frac{-125 x^2 + 30 x + 1}{-125 x^3 + 25 x^2 + 5 x - 1}$$

Sequence: A115335
Score: 13.0509
Type of gen. func.: ogf

$$\frac{4 x^4 + 2 x^3 + 10 x^2 - 2 x - 3}{(x + 1) (2 x - 1)}$$

Sequence: A115335
Score: 6.67356
Type of gen. func.: ogf

$$-(11014 f(x) - 50071)$$

$$(-4 x^4 + 2 f(x) x^2 - 2 x^3 + f(x) x - 10 x^2 - f(x) + 2 x + 3)$$

Sequence: A115335
Score: 7.25050
Type of gen. func.: ogf

{a(n + 5) - a(n + 4) - 2 a(n + 3), a(0) = 3, a(1) = 5, a(2) = 1, a(3) = 9,

a(4) = 7}

Sequence: A115335
Score: 7.80823
Type of gen. func.: lgdogf

$$-\frac{-16 x^5 - 16 x^4 + 12 x^3 - 8 x^2 + 8 x - 5}{8 x^6 + 8 x^5 + 18 x^4 + 4 x^3 - 18 x^2 - x + 3}$$

Sequence: A115339
Score: 12.6529
Type of gen. func.: lgdogf

$$-\frac{2 x^6 + 2 x^5 + x^4 + 4 x^3 + 7 x^2 + 4 x + 1}{(2 x^3 + x^2 + x + 1) (x^4 + x^2 - 1)}$$

Sequence: A115339
Score: 12.6990
Type of gen. func.: ogf

$$-\frac{2 x^3 + x^2 + x + 1}{x^4 + x^2 - 1}$$

Sequence: A115339
Score: 7.8613
Type of gen. func.: ogf

$$-(2 f(x) + 3) (f(x) x^4 + f(x) x^2 + 2 x^3 + x^2 - f(x) + x + 1)$$

Sequence: A115341
Score: 10.5410
Type of gen. func.: lgdogf

$$-\frac{-6 x^2 + 4 x - 2}{8 x^4 + 2 x^3 - 7 x^2 + 1}$$

Sequence: A115341
Score: 13.5242
Type of gen. func.: ogf

$$\frac{2 (4 x^2 - x - 1)}{(x + 1) (2 x - 1)}$$

Sequence: A115341
Score: 17.2267
Type of gen. func.: lgdogf

$$\frac{2 (3 x^2 - 2 x + 1)}{(2 x - 1) (x + 1) (4 x^2 - x - 1)}$$

Sequence: A115341
Score: 7.09688
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 2 a(n + 1), a(0) = 2, a(1) = 4, a(2) = 0\}$$

Sequence: A115341
Score: 7.38953
Type of gen. func.: ogf

$$-(f(x) - 2) (2 f(x) x^2 + f(x) x - 8 x^2 - f(x) + 2 x + 2)$$

Sequence: A115342
Score: 12.0594
Type of gen. func.: ogf

$$\frac{60 x^2 - 60 x - 1}{^2}$$

$$(x - 1) (2 x - 1)$$

Sequence: A115342
Score: 13.3288
Type of gen. func.: lgdogf

$$- \frac{120 x^3 - 180 x^2 - 6 x + 65}{(x - 1) (2 x - 1) (60 x^2 - 60 x - 1)}$$

Sequence: A115342
Score: 6.2274
Type of gen. func.: ogf

$$(16380 f(x) - 968423)$$

$$(4 f(x) x^3 - 8 f(x) x^2 + 5 f(x) x - 60 x^2 - f(x) + 60 x + 1)$$

Sequence: A115342
Score: 6.60645
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 8 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 65, a(2) = 257\}$$

Sequence: A115342
Score: 8.25807
Type of gen. func.: lgdogf

$$- \frac{-120 x^3 + 180 x^2 + 6 x - 65}{-120 x^4 + 300 x^3 - 238 x^2 + 57 x + 1}$$

Sequence: A115344
Score: 9.96351
Type of gen. func.: ogf

$$-f(x)^3 x + f(x)^2 + f(x) x + f(x) + x$$

Sequence: A115357
Score: 4.49598
Type of gen. func.: ogf

$$-(29 f(x) - 36) (f(x) x^4 + f(x) x^3 - f(x) x + 2 x^2 - f(x) + 2 x + 1)$$

Sequence: A115357
Score: 8.62344
Type of gen. func.: ogf

$$-\frac{2 x^2 + 2 x + 1}{(x - 1) (x^2 + x + 1) (x + 1)}$$

Sequence: A115357
Score: 8.86324
Type of gen. func.: lgdogf

$$-\frac{4 x^5 + 8 x^4 + 8 x^3 + 5 x^2 + 4 x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (2 x^2 + 2 x + 1)}$$

Sequence: A115360
Score: 14.9649
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (x^2 + x + 1) (x + 1)}$$

Sequence: A115360
Score: 19.2257
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 3 x^2 - 1}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A115360
Score: 22.0854
Type of gen. func.: ogf_with_Euler_transform]

$$x^2 + x - 1$$

Sequence: A115360
Score: 4.50163
Type of gen. func.: ogf

{a(n + 4) + a(n + 3) - a(n + 1) - a(n), a(0) = 1, a(1) = -1, a(2) = 1, a(3) = 0

}

Sequence: A115360
Score: 5.37573
Type of gen. func.: ogf

$$-(f(x) + 1) (f(x) x^4 + f(x) x^3 - f(x) x - f(x) + 1)$$

Sequence: A115375
Score: 10.3158
Type of gen. func.: lgdogf

$$-\frac{8 x^7 + 9 x^6 - 6 x^4 + 6 x^3 + 10 x^2 + 8 x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^4 - x^2 + 1)}$$

Sequence: A115375
Score: 15.2705
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{11} + x^5 + x^3 + x^2 + 3 x + 1$$

Sequence: A115375
Score: 5.48708
Type of gen. func.: ogf

$$\frac{x^4 - x^2 + 1}{(x^2 + x + 1)\,(x + 1)^4\,(x - 1)^6}$$

Sequence: A115376
Score: 10.4444
Type of gen. func.: lgdogf

$$-\frac{-12\,x^3 - 13\,x^2 - 10\,x - 1}{-x^4 - x^3 + x + 1}$$

Sequence: A115376
Score: 17.0709
Type of gen. func.: lgdogf

$$-\frac{12\,x^3 + 13\,x^2 + 10\,x + 1}{(x - 1)\,(x + 1)\,(x^2 + x + 1)}$$

Sequence: A115376
Score: 31.1427
Type of gen. func.: ogf_with_Euler_transform]

$$x^2 + 4\,x + 1$$

Sequence: A115376
Score: 6.75282
Type of gen. func.: ogf

$$\frac{1}{(x^2 + x + 1)\,(x + 1)^4\,(x - 1)^6}$$

Sequence: A115390
Score: 10.2049
Type of gen. func.: lgdogf

$$-\frac{-6 x^2 + 8 x - 4}{-2 x^3 + 4 x^2 - 4 x + 1}$$

Sequence: A115390
Score: 15.9295
Type of gen. func.: ogf

$$-\frac{x^2}{2 x^3 - 4 x^2 + 4 x - 1}$$

Sequence: A115390
Score: 17.4715
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^2 - 4 x + 2)}{2 x^3 - 4 x^2 + 4 x - 1}$$

Sequence: A115390
Score: 5.93737
Type of gen. func.: ogf

{a(n + 3) - 4 a(n + 2) + 4 a(n + 1) - 2 a(n), a(0) = 0, a(1) = 0, a(2) = 1}

Sequence: A115390
Score: 8.06311
Type of gen. func.: ogf

$$2 f(x) x^3 - 4 f(x) x^2 + 4 f(x) x + x^2 - f(x)$$

Sequence: A115391
Score: 5.76890
Type of gen. func.: ogf

$$\frac{4 x^7 - 3 x^6 + 8 x^5 + 7 x^4 + 12 x^3 - 5 x^2 + 8 x + 1}{}$$

$$(x + 1)^{2} (x^{2} + 1)^{2} (x - 1)^{4}$$

Sequence: A115399
Score: 14.1804
Type of gen. func.: ogf

$$f(x)^{2} x^{3} - f(x)^{2} x^{2} - f(x) + 1$$

Sequence: A115399
Score: 21.2193
Type of gen. func.: revogf

$$\frac{-1 + x^{2} + (x^{4} + 4 x^{3} - 2 x^{2} + 1)^{1/2}}{2 x^{2}}$$

Sequence: A115400
Score: 12.4896
Type of gen. func.: lgdogf

$$-\frac{4 (71 x^{3} + 102 x^{2} + 33 x + 4)}{(x - 1) (71 x^{3} + 39 x^{2} + 9 x + 1)}$$

Sequence: A115400
Score: 4.10890
Type of gen. func.: ogf

$$\{(n^{2} + 5 n + 6) a(n + 1) + (-n^{2} + 2 n + 15) a(n + 2) - n a(n + 3), a(0) = 0,$$
$$a(1) = 0, a(2) = 0, a(3) = 6\}$$

Sequence: A115400
Score: 5.84997
Type of gen. func.: ogf

$$-\frac{6 x^{3} (71 x^{3} + 39 x^{2} + 9 x + 1)}{}$$

$$(x - 1)^7$$

Sequence: A115400
Score: 7.66996
Type of gen. func.: lgdogf

$$-\frac{-284 x^3 - 408 x^2 - 132 x - 16}{-71 x^4 + 32 x^3 + 30 x^2 + 8 x + 1}$$

Sequence: A115412
Score: 14.7947
Type of gen. func.: ogf

$$\frac{x - 1}{x^5 - x^3 - x^2 - x - 1}$$

Sequence: A115412
Score: 18.2694
Type of gen. func.: lgdogf

$$-\frac{4 x^5 - 5 x^4 - 2 x^3 + 2 x^2 + 2 x + 2}{(x - 1) (x^5 - x^3 - x^2 - x - 1)}$$

Sequence: A115412
Score: 9.80953
Type of gen. func.: lgdogf

$$-\frac{-4 x^5 + 5 x^4 + 2 x^3 - 2 x^2 - 2 x - 2}{-x^6 + x^5 + x^4 - 1}$$

Sequence: A115413
Score: 14.2488
Type of gen. func.: ogf

$$-\frac{x-1}{x^5-x^4-x^3+x^2-1}$$

Sequence: A115413
Score: 18.2392
Type of gen. func.: lgdogf

$$-\frac{4x^5-8x^4+2x^3+4x^2-2x+1}{(x-1)(x^5-x^4-x^3+x^2-1)}$$

Sequence: A115413
Score: 8.90551
Type of gen. func.: lgdogf

$$-\frac{4x^5-8x^4+2x^3+4x^2-2x+1}{x^6-2x^5+2x^3-x^2-x+1}$$

Sequence: A115419
Score: 7.97437
Type of gen. func.: ogf

$$\frac{x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+8}{(x+1)(x^2+1)(x^4+1)(x-1)^2}$$

Sequence: A115420
Score: 4.79521
Type of gen. func.: ogf

$$(x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+16)\ /\ ((x+1)(x^2+1)(x^4+1)(x^8+1)(x-1)^2)$$

Sequence: A115451

Score: 10.0439
Type of gen. func.: lgdogf

$$-\frac{8x^3+3x^2+2x+1}{2x^4+x^3+x^2+x-1}$$

Sequence: A115451
Score: 17.8558
Type of gen. func.: ogf

$$-\frac{1}{(x+1)(2x-1)(x^2+1)}$$

Sequence: A115451
Score: 18.7926
Type of gen. func.: lgdogf

$$-\frac{8x^3+3x^2+2x+1}{(2x-1)(x+1)(x^2+1)}$$

Sequence: A115451
Score: 7.1107
Type of gen. func.: ogf

$$-f(x)\,(2 f(x) x^4 + f(x) x^3 + f(x) x^2 + f(x) x - f(x) + 1)$$

Sequence: A115489
Score: 10.9850
Type of gen. func.: lgdogf

$$-\frac{32x-10}{16x^2-10x+1}$$

Sequence: A115489
Score: 13.3201

Type of gen. func.: revogf

$$-\frac{-1 - 5 x + (9 x + 1)^{1/2} (x + 1)^{1/2}}{16 x}$$

Sequence: A115489
Score: 16.3206
Type of gen. func.: ogf

$$\frac{2}{(8 x - 1) (2 x - 1)}$$

Sequence: A115489
Score: 19.9801
Type of gen. func.: lgdogf

$$-\frac{2 (-5 + 16 x)}{(8 x - 1) (2 x - 1)}$$

Sequence: A115489
Score: 6.72025
Type of gen. func.: ogf

$$(17 f(x) + 16) (16 f(x) x^2 - 10 f(x) x + f(x) - 2)$$

Sequence: A115489
Score: 6.72025
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 16 a(n), a(0) = 2, a(1) = 20\}$$

Sequence: A115490
Score: 14.4175
Type of gen. func.: ogf

$$\frac{3}{(16 x - 1) (4 x - 1)}$$

Sequence: A115490
Score: 17.0180
Type of gen. func.: lgdogf

$$-\frac{4\,(-5 + 32\,x)}{(16\,x - 1)\,(4\,x - 1)}$$

Sequence: A115490
Score: 5.80013
Type of gen. func.: ogf

$$(341\,f(x) + 852)\,(64\,f(x)\,x^2 - 20\,f(x)\,x + f(x) - 3)$$

Sequence: A115490
Score: 5.93660
Type of gen. func.: ogf

$$\{-a(n + 2) + 20\,a(n + 1) - 64\,a(n),\ a(0) = 3,\ a(1) = 60\}$$

Sequence: A115490
Score: 8.97311
Type of gen. func.: revogf

$$-\frac{-20\,x - 3 + (4\,x + 3)^{1/2}\,(12\,x + 1)^{1/2}\,3^{1/2}}{128\,x}$$

Sequence: A115490
Score: 9.52096
Type of gen. func.: lgdogf

$$-\frac{128\,x - 20}{64\,x^2 - 20\,x + 1}$$

Sequence: A115491
Score: 15.0103
Type of gen. func.: ogf

$$\frac{6}{(32 x - 1) (2 x - 1)}$$

Sequence: A115491
Score: 17.1510
Type of gen. func.: lgdogf

$$- \frac{2 (-17 + 64 x)}{(32 x - 1) (2 x - 1)}$$

Sequence: A115491
Score: 6.03864
Type of gen. func.: ogf

$$(257 f(x) + 192) (64 f(x) x^2 - 34 f(x) x + f(x) - 6)$$

Sequence: A115491
Score: 6.10886
Type of gen. func.: ogf

$$\{-a(n + 2) + 34 a(n + 1) - 64 a(n), a(0) = 6, a(1) = 204\}$$

Sequence: A115491
Score: 9.52832
Type of gen. func.: revogf

$$- \frac{-3 - 17 x + (3 x + 1)^{1/2} (25 x + 3)^{1/2} 3^{1/2}}{64 x}$$

Sequence: A115491
Score: 9.91249
Type of gen. func.: lgdogf

$$- \frac{128 x - 34}{64 x^2 - 34 x + 1}$$

Sequence: A115492
Score: 3.97292
Type of gen. func.: ogf

$$-(106222635 f(x) - 472714592) (4096 f(x) x^4 - 3456 f(x) x^3 + 808 f(x) x^2 - 54 f(x) x - 1792 x^2 + f(x) + 756 x - 35)$$

Sequence: A115492
Score: 7.75665
Type of gen. func.: ogf

$$\frac{7 (256 x^2 - 108 x + 5)}{(4 x - 1) (2 x - 1) (16 x - 1) (32 x - 1)}$$

Sequence: A115500
Score: 3.07709
Type of gen. func.: ogf

$$-(29403675 f(x) + 728836576) (1024 f(x) x^4 - 960 f(x) x^3 + 280 f(x) x^2 + 4096 x^3 - 30 f(x) x - 2880 x^2 + f(x) + 560 x - 30)$$

Sequence: A115500
Score: 5.66316
Type of gen. func.: ogf

$$-\frac{2 (2048 x^3 - 1440 x^2 + 280 x - 15)}{(16 x - 1) (8 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A115504
Score: 3.87481
Type of gen. func.: ogf

$$-\frac{2 (81920 x^4 - 63488 x^3 + 14880 x^2 - 1240 x + 31)}{(4 x - 1) (2 x - 1) (8 x - 1) (16 x - 1) (32 x - 1)}$$

Sequence: A115519
Score: 11.0168
Type of gen. func.: ogf

$$\frac{x (x + 5) (1 + 2 x)}{(x - 1)^4}$$

Sequence: A115519
Score: 12.3522
Type of gen. func.: lgdogf

$$- \frac{4 x^2 + 37 x + 31}{2 x^3 + 9 x^2 - 6 x - 5}$$

Sequence: A115519
Score: 22.3382
Type of gen. func.: lgdogf

$$- \frac{4 x^2 + 37 x + 31}{(x + 5) (x - 1) (1 + 2 x)}$$

Sequence: A115519
Score: 4.07621
Type of gen. func.: ogf

$$\{(-15 - 5 n) a(n + 4) + (19 - 6 n) a(n + 3) + (46 + 9 n) a(n + 2)$$

$$+ (2 n + 4) a(n + 1), a(0) = 0, a(1) = 5, a(2) = 31, a(3) = 96\}$$

Sequence: A115519
Score: 5.62236
Type of gen. func.: ogf

$$(349344 f(x) + 1868425)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 2 x^3 - 4 f(x) x - 11 x^2 + f(x) - 5 x)$$

Sequence: A115520
Score: 4.81744
Type of gen. func.: ogf

$$\frac{x^{10}+x^{9}+2x^{8}+5x^{7}+7x^{6}+4x^{5}+7x^{4}+5x^{3}+2x^{2}+x+1}{(x^{2}-x+1)(x^{2}+x+1)^{2}(x+1)^{2}(x-1)^{4}}$$

Sequence: A115525
Score: 5.65624
Type of gen. func.: ogf

$$\frac{x^{5}+2x^{4}+x^{3}-2x-1}{(x-1)(x+1)(x^{2}+x+1)(x^{2}+1)}$$

Sequence: A115525
Score: 6.37682
Type of gen. func.: lgdogf

$$-\frac{x^{10}+4x^{9}+4x^{8}+2x^{7}-6x^{6}-6x^{5}+x^{4}+6x^{3}+5x^{2}+2x-1}{(x-1)(x+1)(x^{2}+1)(x^{5}+2x^{4}+x^{3}-2x-1)(x^{2}+x+1)}$$

Sequence: A115535
Score: 14.8738
Type of gen. func.: lgdogf

$$-\frac{2(128x^{2}-287x+162)}{(x-1)(256x^{2}-543x+289)}$$

Sequence: A115535
Score: 5.3515
Type of gen. func.: ogf

$$(11244 f(x) + 1075988551)$$

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 22784 x^{2} - f(x) - 48327 x + 25721)$$

Sequence: A115535
Score: 5.86940
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 25721, a(1) = 28836,

a(2) = 32129}

Sequence: A115535
Score: 9.33083
Type of gen. func.: lgdogf

$$-\frac{-256 x^2 + 574 x - 324}{-256 x^3 + 799 x^2 - 832 x + 289}$$

Sequence: A115535
Score: 9.96993
Type of gen. func.: ogf

$$-\frac{89 (256 x^2 - 543 x + 289)}{(x - 1)^3}$$

Sequence: A115536
Score: 11.5055
Type of gen. func.: ogf

$$-\frac{9434 (16 x - 17)}{(x - 1)^2}$$

Sequence: A115536
Score: 11.9396
Type of gen. func.: lgdogf

$$-\frac{-16 x + 18}{-16 x^2 + 33 x - 17}$$

Sequence: A115536
Score: 12.9087
Type of gen. func.: revogf

$$-\frac{-80189 - x + (6430275721 + 9434 x)^{1/2}}{150944 + x}$$

Sequence: A115536
Score: 22.9488
Type of gen. func.: lgdogf

$$-\frac{2 (-9 + 8 x)}{(x - 1) (16 x - 17)}$$

Sequence: A115536
Score: 6.02667
Type of gen. func.: ogf

$$(629 f(x) + 889465822) (f(x) x^2 - 2 f(x) x + f(x) + 150944 x - 160378)$$

Sequence: A115536
Score: 6.87827
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 160378, a(1) = 169812\}$$

Sequence: A115565
Score: 11.1580
Type of gen. func.: lgdogf

$$-\frac{11 x^4 + 56 x^3 + 276 x^2 + 196 x + 61}{(x - 1) (11 x^4 + 6 x^3 + 86 x^2 + 6 x + 11)}$$

Sequence: A115565

Score: 7.22177
Type of gen. func.: lgdogf

$$-\frac{-11 x^4 - 56 x^3 - 276 x^2 - 196 x - 61}{-11 x^5 + 5 x^4 - 80 x^3 + 80 x^2 - 5 x + 11}$$

Sequence: A115565
Score: 7.88499
Type of gen. func.: ogf

$$-\frac{11 x^4 + 6 x^3 + 86 x^2 + 6 x + 11}{(x - 1)^5}$$

Sequence: A115567
Score: 12.4240
Type of gen. func.: lgdogf

$$-\frac{9 x^4 - 12 x^3 + 17 x^2 - 10 x + 3}{(x - 1) (x^2 - x + 1) (3 x^2 - 3 x + 1)}$$

Sequence: A115567
Score: 6.35769
Type of gen. func.: ogf

$$-\frac{x (x^2 - x + 1) (3 x^2 - 3 x + 1)}{(x - 1)^7}$$

Sequence: A115567
Score: 7.36485
Type of gen. func.: lgdogf

$$-\frac{-9 x^4 + 12 x^3 - 17 x^2 + 10 x - 3}{-3 x^5 + 9 x^4 - 13 x^3 + 11 x^2 - 5 x + 1}$$

Sequence: A115598
Score: 10.0937
Type of gen. func.: lgdogf

$$-\frac{-2x^3+4x^2+14x-8}{-x^4+6x^3-6x+1}$$

Sequence: A115598
Score: 13.9026
Type of gen. func.: ogf

$$-\frac{x+1}{(x-1)(x^2-6x+1)}$$

Sequence: A115598
Score: 6.52071
Type of gen. func.: ogf

$\{a(n+3)-7a(n+2)+7a(n+1)-a(n), a(0)=1, a(1)=8, a(2)=49\}$

Sequence: A115598
Score: 6.69856
Type of gen. func.: ogf

$$(45912 f(x) - 3329) (f(x) x^3 - 7 f(x) x^2 + 7 f(x) x - f(x) + x + 1)$$

Sequence: A115599
Score: 12.0793
Type of gen. func.: ogf

$$-\frac{x^2-5x+2}{(x-1)(x^2-6x+1)}$$

Sequence: A115599

Score: 6.24442
Type of gen. func.: ogf

$$(45912 f(x) + 6247) (f(x) x^3 - 7 f(x) x^2 + 7 f(x) x + x^2 - f(x) - 5 x + 2)$$

Sequence: A115599
Score: 6.52071
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) - 7 a(n + 1) + a(n), a(0) = 2, a(1) = 9, a(2) = 50\}$$

Sequence: A115599
Score: 7.15379
Type of gen. func.: lgdogf

$$- \frac{-x^4 + 10 x^3 - 34 x^2 + 26 x - 9}{-x^5 + 12 x^4 - 44 x^3 + 50 x^2 - 19 x + 2}$$

Sequence: A115605
Score: 4.45875
Type of gen. func.: ogf

$$- \frac{x^2 (2 x^4 - x^3 - 2 x^2 + x + 2)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 4 x - 1) (x^2 - x - 1)}$$

Sequence: A115618
Score: 12.3167
Type of gen. func.: lgdogf

$$- \frac{-6 x^2 + 9 x - 4}{-6 x^3 + 13 x^2 - 9 x + 2}$$

Sequence: A115618
Score: 12.9127
Type of gen. func.: ogf

$$-\frac{(3x-2)^2}{(x-1)(2x-1)^2}$$

Sequence: A115618
Score: 21.8534
Type of gen. func.: lgdogf

$$-\frac{6x^2-9x+4}{(x-1)(2x-1)(3x-2)}$$

Sequence: A115618
Score: 6.7276
Type of gen. func.: ogf

$$-(24 f(x) + 569) (4 f(x) x^3 - 8 f(x) x^2 + 5 f(x) x + 9 x^2 - f(x) - 12 x + 4)$$

Sequence: A115618
Score: 7.08483
Type of gen. func.: ogf

$$\{a(n+3) - 5 a(n+2) + 8 a(n+1) - 4 a(n), a(0) = 4, a(1) = 8, a(2) = 17\}$$

Sequence: A115634
Score: 18.9363
Type of gen. func.: lgdogf

$$-\frac{6x}{(x-1)(2x+1)(2x-1)(x+1)}$$

Sequence: A115634
Score: 4.58764
Type of gen. func.: ogf

$$\{-a(n+3) + a(n+1), a(0) = 1, a(1) = 0, a(2) = -3\}$$

Sequence: A115634
Score: 7.7709
Type of gen. func.: ogf

$$f(x) x^2 - 4 x^2 - f(x) + 1$$

Sequence: A115634
Score: 8.46164
Type of gen. func.: ogf

$$\frac{(2 x - 1) (2 x + 1)}{(x - 1) (x + 1)}$$

Sequence: A115634
Score: 8.65395
Type of gen. func.: lgdogf

$$- \frac{6 x}{4 x^4 - 5 x^2 + 1}$$

Sequence: A115635
Score: 5.71287
Type of gen. func.: lgdogf

$$- (4 x^{10} + 10 x^9 + 13 x^8 + 20 x^7 + 15 x^6 + 18 x^5 + 28 x^4 + 24 x^3 + 17 x^2 + 8 x - 1) \Big/ ((x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1) (4 x^5 + 5 x^4 + 4 x^3 + 3 x^2 - 2 x - 1))$$

Sequence: A115635
Score: 5.71634
Type of gen. func.: ogf

$$\frac{4 x^5 + 5 x^4 + 4 x^3 + 3 x^2 - 2 x - 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 + 1)}$$

Sequence: A115639
Score: 12.2168
Type of gen. func.: ogf

$$-\frac{192 x^{30} + 48 x^{14} + 12 x^{6} + 3 x^{2} + 1}{x - 1}$$

Sequence: A115659
Score: 9.63717
Type of gen. func.: ogf

$$\frac{x (2 x^{4} - 2 x^{3} + 3 x^{2} - 2 x + 3)}{(x + 1) (x^{2} + 1) (x - 1)^{2}}$$

Sequence: A115714
Score: 5.95206
Type of gen. func.: ogf

$$\frac{4 x^{5} + 3 x^{4} + 4 x^{3} + 3 x^{2} - 1}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} + 1)}$$

Sequence: A115714
Score: 6.17358
Type of gen. func.: lgdogf

$$- (x^{2} - x + 1) (4 x^{8} + 10 x^{7} + 17 x^{6} + 27 x^{5} + 35 x^{4} + 30 x^{3} + 23 x^{2} + 9 x + 1) \Big/ \big((x - 1) (x + 1) (x^{2} + 1) (4 x^{5} + 3 x^{4} + 4 x^{3} + 3 x^{2} - 1) (x^{2} + x + 1)\big)$$

Sequence: A115730
Score: 10.2648
Type of gen. func.: lgdogf

5   4   3

$$-\frac{2\,(3\,x - 5\,x - 4\,x + 2\,x + 1)}{(x - 1)\,(x + 1)\,(x^{2} + x + 1)\,(x^{2} - 3\,x + 1)}$$

Sequence: A115730
Score: 10.5435
Type of gen. func.: ogf

$$-\frac{x^{2}}{(x - 1)\,(x + 1)\,(x^{2} + x + 1)\,(x^{2} - 3\,x + 1)}$$

Sequence: A115731
Score: 6.60368
Type of gen. func.: ogf

$$\frac{4\,x^{8} - 4\,x^{7} - 5\,x^{6} + 13\,x^{5} - 15\,x^{4} + 13\,x^{3} - 8\,x^{2} + 4\,x + 1}{(x^{2} + x + 1)\,(x^{2} - x + 1)\,(x - 1)^{2}}$$

Sequence: A115784
Score: 3.79511
Type of gen. func.: ogf

$$-\frac{339\,x^{10} + 3872\,x^{9} - 5577\,x^{7} + 2281\,x^{6} - 3168\,x^{4} + 4526\,x^{3} - 2082\,x + 694}{678\,x^{10} - 3872\,x^{9} - 11154\,x^{7} - 2281\,x^{6} - 6336\,x^{4} - 4526\,x^{3} - 4164\,x - 694}$$

Sequence: A115788
Score: 16.8335
Type of gen. func.: lgdogf

$$-\frac{x\,(x^{11} + 3\,x^{9} + 5\,x^{7} + 7\,x^{5} + 6\,x^{4} + 4\,x^{2} + 2)}{(x - 1)\,(x^{2} + 1)\,(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)\,(x^{4} + 1)}$$

Sequence: A115789
Score: 10.4060

Type of gen. func.: ogf

$$\frac{x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 1}{(x - 1)\,(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A115789
Score: 7.48214
Type of gen. func.: lgdogf

$$(x^{12} + 2x^{11} + 3x^{10} + 4x^{9} + 5x^{8} + 6x^{7} + 6x^{5} + 5x^{4} + 4x^{3} + 3x^{2} + 2x + 1) \Big/ ((x - 1)\,(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)\,(x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 1))$$

Sequence: A115790
Score: 15.7718
Type of gen. func.: lgdogf

$$\frac{7x^{6}}{-x^{7} + 1}$$

Sequence: A115790
Score: 17.2055
Type of gen. func.: ogf

$$-\frac{x^{7}}{(x - 1)\,(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A115790
Score: 25.5968
Type of gen. func.: lgdogf

$$-\frac{7x^{6}}{}$$

6 5 4 3 2

$$(x + x + x + x + x + x + 1) (x - 1)$$

Sequence: A115806
Score: 12.2429
Type of gen. func.: ogf

$$(10 f(x) x - f(x) + 11 x)^{3}$$

Sequence: A115812
Score: 11.3907
Type of gen. func.: ogf

$$(10 f(x) x - f(x) + 1111)^{2}$$

Sequence: A115830
Score: 12.2429
Type of gen. func.: ogf

$$(10 f(x) x - f(x) + 11 x)^{3}$$

Sequence: A115842
Score: 7.47963
Type of gen. func.: lgdogf

$$\frac{90 x^{17} - 186 x^{16} + 187 x^{15} - 105 x^{14} - 42 x^{9} + 48 x^{8} + 8 x^{7} - 6 x + 8}{(x - 1) (6 x^{17} - 6 x^{16} + 7 x^{15} - 6 x^{9} - x^{8} + 6 x^{2} - 6 x - 1)}$$

Sequence: A115842
Score: 8.97678
Type of gen. func.: ogf

$$- \frac{6 x^{17} - 6 x^{16} + 7 x^{15} - 6 x^{9} - x^{8} + 6 x^{2} - 6 x - 1}{(x - 1)^{2}}$$

Sequence: A115843
Score: 7.20600
Type of gen. func.: lgdogf

$$\frac{119 x^{19} - 245 x^{18} + 246 x^{17} - 136 x^{16} - 56 x^{10} + 63 x^{9} + 9 x^{8} - 7 x + 9}{(x - 1) (7 x^{19} - 7 x^{18} + 8 x^{17} - 7 x^{10} - x^{9} + 7 x^{2} - 7 x - 1)}$$

Sequence: A115843
Score: 8.78563
Type of gen. func.: ogf

$$-\frac{7 x^{19} - 7 x^{18} + 8 x^{17} - 7 x^{10} - x^{9} + 7 x^{2} - 7 x - 1}{(x - 1)^{2}}$$

Sequence: A115844
Score: 6.84310
Type of gen. func.: lgdogf

$$(152 x^{21} - 312 x^{20} + 313 x^{19} - 171 x^{18} - 72 x^{11} + 80 x^{10} + 10 x^{9} - 8 x + 10) \Big/ ((x - 1) (8 x^{21} - 8 x^{20} + 9 x^{19} - 8 x^{11} - x^{10} + 8 x^{2} - 8 x - 1))$$

Sequence: A115844
Score: 8.54360
Type of gen. func.: ogf

$$-\frac{8 x^{21} - 8 x^{20} + 9 x^{19} - 8 x^{11} - x^{10} + 8 x^{2} - 8 x - 1}{(x - 1)^{2}}$$

Sequence: A115851
Score: 10.1508
Type of gen. func.: ogf

$$-\frac{x^{2} (x^{2} + x - 1)}{{}^{2}}$$

$$(x - 1) (2 x - 1) (x + 1) (x + 1)$$

Sequence: A115851
Score: 9.00381
Type of gen. func.: lgdogf

$$-\frac{6 x^{6} + 6 x^{5} - 13 x^{4} + 4 x^{3} + 2 x^{2} - 2 x + 1}{(x - 1) (2 x - 1) (x + 1) (x^{2} + 1) (x^{2} + x - 1)}$$

Sequence: A115852
Score: 5.74731
Type of gen. func.: lgdogf

$$-\frac{6 x^{7} - 13 x^{6} - 100 x^{5} - 110 x^{4} - 10 x^{3} + 34 x^{2} + 38 x + 5}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} + 3 x + 1) (x^{2} - 7 x + 1)}$$

Sequence: A115852
Score: 5.99289
Type of gen. func.: ogf

$$-\frac{4 x^{2} (x + 1)}{(x - 1) (x^{2} + x + 1) (x^{2} + 3 x + 1) (x^{2} - 7 x + 1)}$$

Sequence: A115864
Score: 11.7376
Type of gen. func.: revogf

$$-\frac{(-8 x + (48 x^{2} + 1)^{1/2}) x}{(4 x - 1) (4 x + 1)}$$

Sequence: A115864
Score: 18.2585
Type of gen. func.: lgdogf

$$8 (2 x - 1)$$

$$- \frac{}{16 x^2 - 16 x + 1}$$

Sequence: A115864
Score: 3.25362
Type of gen. func.: ogf

{(-n - 3) a(n + 3) + (40 + 16 n) a(n + 2) + (-32 - 16 n) a(n + 1), a(0) = 1,

a(1) = 8, a(2) = 88}

Sequence: A115864
Score: 7.75865
Type of gen. func.: ogf

$$-16 f(x)^2 x^2 + 16 f(x)^2 x - f(x)^2 + 1$$

Sequence: A115864
Score: 9.88845
Type of gen. func.: lgdogf

$$- \frac{16 x - 8}{16 x^2 - 16 x + 1}$$

Sequence: A115865
Score: 17.5267
Type of gen. func.: lgdogf

$$- \frac{12 (-1 + 3 x)}{36 x^2 - 24 x + 1}$$

Sequence: A115865
Score: 3.19643
Type of gen. func.: ogf

{(-n - 3) a(n + 3) + (60 + 24 n) a(n + 2) + (-72 - 36 n) a(n + 1), a(0) = 1,

a(1) = 12, a(2) = 198}

Sequence: A115865
Score: 7.72059
Type of gen. func.: ogf

$$-36 f(x)^2 x^2 + 24 f(x)^2 x - f(x)^2 + 1$$

Sequence: A115865
Score: 9.65075
Type of gen. func.: lgdogf

$$-\frac{36 x - 12}{36 x^2 - 24 x + 1}$$

Sequence: A115877
Score: 10.5054
Type of gen. func.: ogf

$$-(10 f(x) x - f(x) + 111 x)^2$$

Sequence: A115880
Score: 6.68449
Type of gen. func.: lgdogf

$$-\frac{3 x (x^{11} - 4 x^8 - 4 x^7 - 16 x^6 - 12 x^5 - 24 x^4 - 5 x^3 - 16 x^2 - 4 x - 4)}{(x - 1) (x + 1) (x^2 + 1) (x^9 - 2 x^6 - 3 x^5 - 6 x^4 - 4 x^3 - 6 x^2 - 2)}$$

Sequence: A115880
Score: 7.65968
Type of gen. func.: ogf

$$\frac{x^2 (x^9 - 2 x^6 - 3 x^5 - 6 x^4 - 4 x^3 - 6 x^2 - 2)}{(x^2 + 1)^3 (x - 1)^3 (x + 1)^3}$$

Sequence: A115881
Score: 6.63679
Type of gen. func.: ogf

$$-\frac{x^2 (x^9 + x^8 + 2 x^7 + 4 x^6 + x^5 + 6 x^4 + 2 x^3 + 4 x^2 + 1)}{(x^2 + 1)^3 (x - 1)^3 (x + 1)^3}$$

Sequence: A115902
Score: 24.7761
Type of gen. func.: lgdogf

$$\frac{12}{-8 x + 1}$$

Sequence: A115902
Score: 58.8607
Type of gen. func.: lgdogf

$$-\frac{12}{-1 + 8 x}$$

Sequence: A115902
Score: 6.77837
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (20 + 8 n) a(n + 1), a(0) = 1, a(1) = 12\}$$

Sequence: A115902
Score: 8.35474
Type of gen. func.: ogf

$$-512 f(x)^2 x^3 + 192 f(x)^2 x^2 - 24 f(x)^2 x + f(x)^2 - 1$$

Sequence: A115903
Score: 17.2826
Type of gen. func.: lgdogf

$$\frac{18}{}$$

$$-12 x + 1$$

Sequence: A115903
Score: 39.0111
Type of gen. func.: lgdogf

$$-\frac{18}{-1 + 12 x}$$

Sequence: A115903
Score: 4.84558
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (30 + 12 n) a(n + 1), a(0) = 1, a(1) = 18\}$$

Sequence: A115903
Score: 5.95952
Type of gen. func.: ogf

$$-1728 f(x)^2 x^3 + 432 f(x)^2 x^2 - 36 f(x)^2 x + f(x)^2 - 1$$

Sequence: A115944
Score: 5.71500
Type of gen. func.: ogf

$$(x + 1) (x^4 - x^2 + 1) (x^8 + 1) (x^{16} - x^8 + 1) (x^2 + 1)$$

Sequence: A115945
Score: 7.51658
Type of gen. func.: lgdogf

$$\frac{68 x^{19} - 140 x^{18} + 132 x^{17} - 124 x^{16} + 64 x^{15} + 4 x^3 - 12 x^2 + 5 x + 5}{(x - 1) (4 x^{19} - 4 x^{18} + 4 x^{17} - 4 x^{16} + 4 x^3 - 4 x^2 + 3 x - 4)}$$

Sequence: A115945
Score: 9.24159

Type of gen. func.: ogf

$$-\frac{4 x^{19} - 4 x^{18} + 4 x^{17} - 4 x^{16} + 4 x^{3} - 4 x^{2} + 3 x - 4}{(x - 1)^{2}}$$

Sequence: A115953
Score: 6.49420
Type of gen. func.: ogf

$$\frac{x^{5} + x^{3} - 1}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} + 1)}$$

Sequence: A115953
Score: 7.51794
Type of gen. func.: lgdogf

$$-\frac{x^{10} + 2 x^{8} + 2 x^{7} + 4 x^{6} - 2 x^{5} + x^{4} - 2 x^{3} + 3 x^{2} + 2 x + 1}{(x - 1) (x + 1) (x^{2} + 1) (x^{2} + x + 1) (x^{5} + x^{3} - 1)}$$

Sequence: A115962
Score: 11.4424
Type of gen. func.: ogf

$$-4 f(x)^{2} x^{3} - 4 f(x)^{2} x^{2} + f(x)^{2} - 1$$

Sequence: A115962
Score: 12.8728
Type of gen. func.: lgdogf

$$-\frac{6 x^{2} + 4 x}{4 x^{3} + 4 x^{2} - 1}$$

Sequence: A115962

Score: 24.4992
Type of gen. func.: lgdogf

$$-\frac{2 x (2 + 3 x)}{4 x^3 + 4 x^2 - 1}$$

Sequence: A115962
Score: 4.42254
Type of gen. func.: ogf

{(-n - 4) a(n + 4) + (12 + 4 n) a(n + 2) + (10 + 4 n) a(n + 1), a(0) = 1,

a(1) = 0, a(2) = 2, a(3) = 2}

Sequence: A115967
Score: 14.8507
Type of gen. func.: revogf

$$\frac{(-1 - 4 x + 2 (13 x^2 + 2 x + 1)^{1/2}) x}{12 x^2 + 1}$$

Sequence: A115967
Score: 8.59780
Type of gen. func.: lgdogf

$$\frac{2 (-6 x^2 + 2 - 4 x + (-(x + 1) (-1 + 3 x))^{1/2}) (1 + 3 x)}{(x + 1) (-1 + 3 x) (12 x^2 + 8 x - 3)}$$

Sequence: A115967
Score: 9.00415
Type of gen. func.: ogf

$$-12 f(x)^2 x^2 - 8 f(x)^2 x + 3 f(x)^2 - 2 f(x) - 1$$

Sequence: A115969
Score: 5.99974
Type of gen. func.: lgdogf

$$-\frac{2\,(2 + 2 x^2 - 12 x + (x^2 - 6 x + 1)^{1/2})\,(x - 3)}{(x^2 - 6 x + 1)\,(4 x^2 - 24 x + 3)}$$

Sequence: A115969
Score: 7.99965
Type of gen. func.: revogf

$$-\frac{(-1 - 12 x + 2\,(33 x^2 + 6 x + 1)^{1/2})\,x}{(2 x - 1)\,(2 x + 1)}$$

Sequence: A115969
Score: 9.98323
Type of gen. func.: ogf

$$-4 f(x)^2 x^2 + 24 f(x)^2 x - 3 f(x)^2 + 2 f(x) + 1$$

Sequence: A115970
Score: 10.2004
Type of gen. func.: ogf

$$-64 f(x)^2 x + 7 f(x)^2 - 6 f(x) - 1$$

Sequence: A115970
Score: 12.7146
Type of gen. func.: lgdogf

$$\frac{8\,(4 - 16 x + 3\,(1 - 4 x)^{1/2})}{(64 x - 7)\,(4 x - 1)}$$

Sequence: A115970
Score: 15.9841
Type of gen. func.: revogf

$$(-3 - 32 x + 4\,(64 x^2 + 12 x + 1)^{1/2})\,x$$

Sequence: A115970
Score: 3.59258
Type of gen. func.: ogf

$$\{(256 n + 384) a(n + 1) + (-92 n - 234) a(n + 2) + (7 n + 21) a(n + 3),$$

$$a(0) = 1, a(1) = 8, a(2) = 72\}$$

Sequence: A115970
Score: 7.93362
Type of gen. func.: lgdogf

$$\frac{8 (4 - 16 x + 3 (1 - 4 x)^{1/2})}{256 x^2 - 92 x + 7}$$

Sequence: A115971
Score: 12.5455
Type of gen. func.: ogf

$$- \frac{x (x^4 + x^3 + 1)}{(x - 1) (x + 1) (x^4 + 1)}$$

Sequence: A115971
Score: 14.3041
Type of gen. func.: lgdogf

$$- \frac{x (2 x^8 + 3 x^7 - x^5 + 4 x^4 - x^3 + 3 x + 2)}{(x - 1) (x + 1) (x^4 + x^3 + 1) (x^4 + 1)}$$

Sequence: A115978
Score: 9.23025
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-2 x^5 - 2 x^4 - x^3 - 4 x^2 - x - 2}{}$$

$$x^6 - 1$$

Sequence: A116078
Score: 4.04371
Type of gen. func.: ogf

$$-64 f(x)^2 x^3 + 48 f(x)^2 x^2 - 12 f(x)^2 x + 16 f(x) x^2 + f(x)^2 - 8 f(x) x - 25 x^2 + f(x) + 14 x - 2$$

Sequence: A116078
Score: 8.19707
Type of gen. func.: lgdogf

$$\frac{-50 x^2 + 31 x - 5 + (-(4 x - 1) (-1 + 5 x)^2)^{1/2}}{(25 x^2 - 14 x + 2) (4 x - 1)}$$

Sequence: A116080
Score: 8.38229
Type of gen. func.: ogf

$$\frac{x (3 x^9 - 10 x^6 + 13 x^5 - 7 x^4 - 3 x^3 + 7 x^2 - 3 x + 4)}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A116082
Score: 5.12642
Type of gen. func.: ogf

$$\frac{x (x^6 - 3 x^5 + 9 x^4 - 13 x^3 + 11 x^2 - 5 x + 1)}{(x - 1)^8}$$

Sequence: A116082
Score: 8.45877
Type of gen. func.: lgdogf

$$-\frac{2x^6-3x^5+21x^4-29x^3+27x^2-13x+3}{(x-1)(x^6-3x^5+9x^4-13x^3+11x^2-5x+1)}$$

Sequence: A116090
Score: 13.6847
Type of gen. func.: ogf

$$-\frac{1}{x^5+3x^4+3x^3+x^2-1}$$

Sequence: A116090
Score: 16.6192
Type of gen. func.: lgdogf

$$-\frac{x(5x+2)(x+1)^2}{x^5+3x^4+3x^3+x^2-1}$$

Sequence: A116090
Score: 8.14934
Type of gen. func.: lgdogf

$$-\frac{-5x^4-12x^3-9x^2-2x}{-x^5-3x^4-3x^3-x^2+1}$$

Sequence: A116091
Score: 11.9989
Type of gen. func.: ogf

$$-16f(x)^2x^2-4f(x)^2x-f(x)^2+1$$

Sequence: A116091
Score: 15.3586
Type of gen. func.: lgdogf

$$-\frac{2 + 16 x}{16 x^2 + 4 x + 1}$$

Sequence: A116091
Score: 19.3827
Type of gen. func.: revogf

$$-\frac{(2 x + (-12 x^2 + 1)^{1/2}) x}{(4 x - 1) (4 x + 1)}$$

Sequence: A116091
Score: 32.5629
Type of gen. func.: lgdogf

$$-\frac{2 (8 x + 1)}{16 x^2 + 4 x + 1}$$

Sequence: A116091
Score: 5.01916
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (10 + 4 n) a(n + 2) + (32 + 16 n) a(n + 1), a(0) = 1,

a(1) = -2, a(2) = -2}

Sequence: A116092
Score: 11.0118
Type of gen. func.: ogf

$$-64 f(x)^2 x^2 - 8 f(x)^2 x - f(x)^2 + 1$$

Sequence: A116092
Score: 14.0951
Type of gen. func.: lgdogf

$$-\frac{4 + 64 x}{64 x^2 + 8 x + 1}$$

Sequence: A116092
Score: 28.2949
Type of gen. func.: lgdogf

$$-\frac{4\,(16\,x+1)}{64\,x^2+8\,x+1}$$

Sequence: A116092
Score: 4.57634
Type of gen. func.: ogf

$\{(n+3)\,a(n+3)+(20+8\,n)\,a(n+2)+(128+64\,n)\,a(n+1),\ a(0)=1,$

$a(1)=-4,\ a(2)=-8\}$

Sequence: A116093
Score: 11.7148
Type of gen. func.: ogf

$$-12\,f(x)^2\,x^2-4\,f(x)^2\,x-f(x)^2+1$$

Sequence: A116093
Score: 14.9949
Type of gen. func.: lgdogf

$$-\frac{12\,x+2}{12\,x^2+4\,x+1}$$

Sequence: A116093
Score: 31.4560
Type of gen. func.: lgdogf

$$-\frac{2\,(1+6\,x)}{12\,x^2+4\,x+1}$$

Sequence: A116093
Score: 4.93253
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (10 + 4 n) a(n + 2) + (24 + 12 n) a(n + 1), a(0) = 1, a(1) = -2, a(2) = 0\}$$

Sequence: A116098
Score: 7.83801
Type of gen. func.: ogf

$$(10 f(x) x^{2} - 11 f(x) x + f(x) + 20 x - 11)^{2}$$

Sequence: A116129
Score: 7.83801
Type of gen. func.: ogf

$$(10 f(x) x^{2} - 11 f(x) x + f(x) + 20 x - 11)^{2}$$

Sequence: A116138
Score: 13.4759
Type of gen. func.: ogf

$$- \frac{6 x}{(-1 + 3 x)^{3}}$$

Sequence: A116138
Score: 22.6203
Type of gen. func.: lgdogf

$$\frac{9}{-3 x + 1}$$

Sequence: A116138
Score: 5.55587
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 27 a(n + 1) - 27 a(n), a(0) = 0, a(1) = 6, a(2) = 54\}$$

Sequence: A116138
Score: 56.7239
Type of gen. func.: lgdogf

$$- \frac{9}{-1 + 3 x}$$

Sequence: A116138
Score: 8.01734
Type of gen. func.: ogf

$$27 f(x) x^{3} - 27 f(x) x^{2} + 9 f(x) x - f(x) + 6 x$$

Sequence: A116144
Score: 12.5586
Type of gen. func.: ogf

$$- \frac{8 x}{(4 x - 1)^{3}}$$

Sequence: A116144
Score: 20.7867
Type of gen. func.: lgdogf

$$\frac{12}{1 - 4 x}$$

Sequence: A116144
Score: 49.4734
Type of gen. func.: lgdogf

$$- \frac{12}{4 x - 1}$$

Sequence: A116144

Score: 5.24187
Type of gen. func.: ogf

$$\{a(n + 3) - 12 a(n + 2) + 48 a(n + 1) - 64 a(n), a(0) = 0, a(1) = 8, a(2) = 96\}$$

Sequence: A116144
Score: 5.90996
Type of gen. func.: ogf

$$(3 f(x) + 2) (64 f(x) x^3 - 48 f(x) x^2 + 12 f(x) x - f(x) + 8 x)$$

Sequence: A116149
Score: 13.8046
Type of gen. func.: lgdogf

$$- \frac{2 x^3 + 93 x^2 + 264 x + 91}{(x - 1) (x^3 + 30 x^2 + 51 x + 8)}$$

Sequence: A116149
Score: 7.90975
Type of gen. func.: ogf

$$- \frac{x^3 + 30 x^2 + 51 x + 8}{(x - 1)^5}$$

Sequence: A116149
Score: 8.09159
Type of gen. func.: lgdogf

$$- \frac{2 x^3 + 93 x^2 + 264 x + 91}{x^4 + 29 x^3 + 21 x^2 - 43 x - 8}$$

Sequence: A116150
Score: 11.3236
Type of gen. func.: lgdogf

$$-\frac{2\,(72\,x^{3}-21\,x^{2}-5\,x-7)}{(x-1)\,(-1+3\,x)\,(2\,x+1)\,(12\,x+1)}$$

Sequence: A116150
Score: 11.9814
Type of gen. func.: ogf

$$\frac{12\,x+1}{(x-1)\,(-1+3\,x)\,(2\,x+1)}$$

Sequence: A116150
Score: 5.52986
Type of gen. func.: ogf

$$(4627625\,f(x)+18061884)\,(6\,f(x)\,x^{3}-5\,f(x)\,x^{2}-2\,f(x)\,x+f(x)-12\,x-1)$$

Sequence: A116150
Score: 5.67539
Type of gen. func.: ogf

$$\{a(n+3)-2\,a(n+2)-5\,a(n+1)+6\,a(n),\ a(0)=1,\ a(1)=14,\ a(2)=33\}$$

Sequence: A116150
Score: 7.26961
Type of gen. func.: lgdogf

$$-\frac{-144\,x^{3}+42\,x^{2}+10\,x+14}{-72\,x^{4}+54\,x^{3}+29\,x^{2}-10\,x-1}$$

Sequence: A116156
Score: 12.1027
Type of gen. func.: ogf

$$-\frac{10\,x}{(-1+5\,x)^{3}}$$

Sequence: A116156
Score: 20.8668
Type of gen. func.: lgdogf

$$\frac{15}{-5 x + 1}$$

Sequence: A116156
Score: 49.6792
Type of gen. func.: lgdogf

$$-\frac{15}{-1 + 5 x}$$

Sequence: A116156
Score: 5.12828
Type of gen. func.: ogf

{a(n + 3) - 15 a(n + 2) + 75 a(n + 1) - 125 a(n), a(0) = 0, a(1) = 10,

a(2) = 150}

Sequence: A116156
Score: 5.81863
Type of gen. func.: ogf

$$(3 f(x) + 2) (125 f(x) x^3 - 75 f(x) x^2 + 15 f(x) x - f(x) + 10 x)$$

Sequence: A116157
Score: 13.2434
Type of gen. func.: ogf

$$-\frac{1}{(x^2 + x - 1) (x^3 - x^2 + 1)}$$

Sequence: A116157
Score: 13.8536

Type of gen. func.: lgdogf

$$-\frac{5 x^4 - 6 x^2 + 4 x + 1}{(x^2 + x - 1) (x^3 - x^2 + 1)}$$

Sequence: A116157
Score: 7.44944
Type of gen. func.: lgdogf

$$-\frac{5 x^4 - 6 x^2 + 4 x + 1}{x^5 - 2 x^3 + 2 x^2 + x - 1}$$

Sequence: A116164
Score: 11.4314
Type of gen. func.: ogf

$$-\frac{12 x}{(6 x - 1)^3}$$

Sequence: A116164
Score: 20.1034
Type of gen. func.: lgdogf

$$\frac{18}{-6 x + 1}$$

Sequence: A116164
Score: 4.89915
Type of gen. func.: ogf

{a(n + 3) - 18 a(n + 2) + 108 a(n + 1) - 216 a(n), a(0) = 0, a(1) = 12,

a(2) = 216}

Sequence: A116164
Score: 47.8471
Type of gen. func.: lgdogf

$$-\frac{18}{6 x - 1}$$

Sequence: A116164
Score: 5.55237
Type of gen. func.: ogf

$$(3 f(x) + 2) (216 f(x) x^3 - 108 f(x) x^2 + 18 f(x) x - f(x) + 12 x)$$

Sequence: A116165
Score: 12.0087
Type of gen. func.: ogf

$$-\frac{14 x}{(7 x - 1)^3}$$

Sequence: A116165
Score: 21.1188
Type of gen. func.: lgdogf

$$\frac{21}{-7 x + 1}$$

Sequence: A116165
Score: 5.14659
Type of gen. func.: ogf

$\{a(n + 3) - 21 a(n + 2) + 147 a(n + 1) - 343 a(n), a(0) = 0, a(1) = 14,$

$a(2) = 294\}$

Sequence: A116165
Score: 5.83279
Type of gen. func.: ogf

$$(3 f(x) + 2) (343 f(x) x^3 - 147 f(x) x^2 + 21 f(x) x - f(x) + 14 x)$$

Sequence: A116165
Score: 50.3008
Type of gen. func.: lgdogf

$$-\frac{21}{7x-1}$$

Sequence: A116166
Score: 11.2781
Type of gen. func.: ogf

$$-\frac{16x}{(-1+8x)^3}$$

Sequence: A116166
Score: 19.8339
Type of gen. func.: lgdogf

$$\frac{24}{-8x+1}$$

Sequence: A116166
Score: 4.83348
Type of gen. func.: ogf

{a(n + 3) - 24 a(n + 2) + 192 a(n + 1) - 512 a(n), a(0) = 0, a(1) = 16,

a(2) = 384}

Sequence: A116166
Score: 47.2094
Type of gen. func.: lgdogf

$$-\frac{24}{-1+8x}$$

Sequence: A116166
Score: 5.47794

Type of gen. func.: ogf

$$(3 f(x) + 2) (512 f(x) x^3 - 192 f(x) x^2 + 24 f(x) x - f(x) + 16 x)$$

Sequence: A116176
Score: 10.2773
Type of gen. func.: ogf

$$-\frac{18 x}{(9 x - 1)^3}$$

Sequence: A116176
Score: 18.0739
Type of gen. func.: lgdogf

$$\frac{27}{-9 x + 1}$$

Sequence: A116176
Score: 4.40457
Type of gen. func.: ogf

$\{a(n + 3) - 27 a(n + 2) + 243 a(n + 1) - 729 a(n), a(0) = 0, a(1) = 18,$

$a(2) = 486\}$

Sequence: A116176
Score: 4.99185
Type of gen. func.: ogf

$$(3 f(x) + 2) (729 f(x) x^3 - 243 f(x) x^2 + 27 f(x) x - f(x) + 18 x)$$

Sequence: A116176
Score: 42.9704
Type of gen. func.: lgdogf

$$-\frac{27}{9 x - 1}$$

Sequence: A116184
Score: 5.68350
Type of gen. func.: ogf

$$(x^{13} - x^{11} - 36 x^{10} - x^{9} + x^{7} + 36 x^{6} + x^{5} + 33 x^{4} + 36 x^{3} + 36 x^{2} + 37 x + 3) \Big/ ((x^{2} + 1) (x + 1)^{2} (x - 1)^{2})$$

Sequence: A116201
Score: 11.5284
Type of gen. func.: ogf

$$- \frac{x (x - 1) (x + 1)}{x^{4} - x^{3} - x^{2} - x + 1}$$

Sequence: A116201
Score: 13.1863
Type of gen. func.: lgdogf

$$- \frac{2 x^{5} - x^{4} - 4 x^{3} + 4 x^{2} + 1}{(x - 1) (x + 1) (x^{4} - x^{3} - x^{2} - x + 1)}$$

Sequence: A116201
Score: 6.13434
Type of gen. func.: ogf

$$-(6 f(x) - 1) (f(x) x^{4} - f(x) x^{3} - f(x) x^{2} + x^{3} - f(x) x + f(x) - x)$$

Sequence: A116201
Score: 7.49344
Type of gen. func.: lgdogf

$$- \frac{2 x^{5} - x^{4} - 4 x^{3} + 4 x^{2} + 1}{x^{6} - x^{5} - 2 x^{4} + 2 x^{2} + x - 1}$$

Sequence: A116229
Score: 7.73223
Type of gen. func.: ogf

$$-(10 f(x) x^2 - 11 f(x) x + f(x) - 10 x - 8)^2$$

Sequence: A116260
Score: 8.29253
Type of gen. func.: ogf

$$-(10 f(x) x^2 - 11 f(x) x + f(x) - 9)^2$$

Sequence: A116362
Score: 10.3858
Type of gen. func.: ogf

$$-\frac{x (4 x^4 - 4 x^3 - 2 x^2 + 1)}{(2 x - 1) (x - 1) (2 x^2 - 1)}$$

Sequence: A116362
Score: 7.48285
Type of gen. func.: lgdogf

$$-\frac{8 x^6 - 16 x^5 - 24 x^4 + 56 x^3 - 24 x^2 - 4 x + 3}{(x - 1) (2 x - 1) (2 x^2 - 1) (4 x^4 - 4 x^3 - 2 x^2 + 1)}$$

Sequence: A116363
Score: 4.92471
Type of gen. func.: ogf

$$-2 f(x)^2 x^3 + 12 f(x)^2 x^2 - 2 f(x)^2 x + f(x) x^2 - 6 f(x) x + f(x) + 6 x - 1$$

Sequence: A116363
Score: 8.61744
Type of gen. func.: revogf

$$\frac{-1 - 6 x + 12 x^{2} + ((8 x^{2} - 4 x + 1) (4 x - 1)^{2})^{1/2}}{2 (2 x + 3) (x - 2)}$$

Sequence: A116373
Score: 4.89037
Type of gen. func.: ogf

$$- \frac{x^{2} (x^{6} - x^{3} + 1) (x^{39} + x^{36} + x^{33} - x^{30} - 2 x^{27} - x^{24} + x^{3} + 1)}{(x - 1) (2 x^{45} + x^{42} + x^{39} - x^{27} - x^{24} - x^{21} - x^{18} + 1) (x^{2} + x + 1)}$$

Sequence: A116383
Score: 5.38512
Type of gen. func.: ogf

$$20 f(x)^{2} x^{4} - 9 f(x)^{2} x^{2} + 4 f(x) x^{3} + 4 f(x) x^{2} + f(x)^{2} - f(x) x + x^{2} - f(x)$$

Sequence: A116387
Score: 4.40167
Type of gen. func.: ogf

$$-12 f(x)^{2} x^{4} - 14 f(x)^{2} x^{3} + 3 f(x)^{2} x^{2} + 4 f(x)^{2} x - 3 f(x) x^{2} - f(x)^{2}$$

$$- 2 f(x) x - x^{2} + f(x)$$

Sequence: A116390
Score: 13.3267
Type of gen. func.: revogf

$$\frac{(-1 - x + 2 (13 x^{2} + 2 x + 1)^{1/2}) x}{17 x^{2} + 2 x + 1}$$

Sequence: A116390
Score: 6.80662
Type of gen. func.: ogf

$$17 f(x)^{2} x^{2} + 2 f(x)^{2} x - 3 f(x)^{2} + 2 f(x) x + 2 f(x) + 1$$

Sequence: A116390
Score: 6.88794
Type of gen. func.: lgdogf

$$\frac{1 + 17 x - 68 x^{3} - 4 x^{2} + 2 (-(2 x - 1) (2 x + 1) (4 x + 1)^{2})^{1/2}}{(2 x - 1) (2 x + 1) (17 x^{2} + 2 x - 3)}$$

Sequence: A116391
Score: 4.99948
Type of gen. func.: ogf

$$-5 f(x)^{2} x^{4} - 10 f(x)^{2} x^{3} - 4 f(x)^{2} x^{2} + 2 f(x)^{2} x - 2 f(x) x^{2} + f(x)^{2} - 2 f(x) x - 1$$

Sequence: A116394
Score: 6.75813
Type of gen. func.: ogf

$$3 f(x)^{2} x^{4} + 8 f(x)^{2} x^{3} + 7 f(x)^{2} x^{2} - f(x)^{2} + 2 f(x) x + 1$$

Sequence: A116396
Score: 6.7954
Type of gen. func.: ogf

$$-f(x)^{2} x^{3} - 4 f(x)^{2} x^{2} - 3 f(x)^{2} x + f(x)^{2} - f(x) x - 1$$

Sequence: A116396
Score: 8.45988
Type of gen. func.: lgdogf

3 2 4 1/2

$$\frac{3 - 4 x - 12 x - 29 x + (-(4 x - 1) (x - 1))}{2 (4 x - 1) (x^{3} + 4 x^{2} + 3 x - 1)}$$

Sequence: A116404
Score: 13.0914
Type of gen. func.: ogf

$$\frac{x - 1}{(x^{2} + 1) (x^{2} + 2 x - 1)}$$

Sequence: A116404
Score: 15.8195
Type of gen. func.: lgdogf

$$- \frac{3 x^{4} - 6 x^{2} - 1}{(x - 1) (x^{2} + 1) (x^{2} + 2 x - 1)}$$

Sequence: A116404
Score: 6.48453
Type of gen. func.: ogf

$$(476 f(x) - 143) (f(x) x^{4} + 2 f(x) x^{3} + 2 f(x) x - f(x) - x + 1)$$

Sequence: A116404
Score: 8.26006
Type of gen. func.: lgdogf

$$- \frac{3 x^{4} - 6 x^{2} - 1}{x^{5} + x^{4} - 2 x^{3} + 2 x^{2} - 3 x + 1}$$

Sequence: A116406
Score: 4.89904
Type of gen. func.: ogf

```
      2  3          2  2           3          2              2    3       2
```

$$8 f(x) x - 4 f(x) x - 4 f(x) x - 2 f(x) x + 4 f(x) x + x + f(x)$$

$$+ f(x) x - f(x)$$

Sequence: A116410
Score: 3.40047
Type of gen. func.: ogf

$$\{(-9 n - 9) a(n) + (-3 n - 3) a(n + 1) + (5 n + 11) a(n + 2)$$

$$+ (-n - 3) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 8\}$$

Sequence: A116410
Score: 4.31334
Type of gen. func.: ogf

$$9 f(x)^2 x^3 + 3 f(x)^2 x^2 - 6 f(x) x^3 - 5 f(x)^2 x - f(x) x^2 + x^3 + f(x)^2$$

$$+ 4 f(x) x - f(x)$$

Sequence: A116411
Score: 8.8159
Type of gen. func.: ogf

$$-31 f(x)^3 x^3 + 12 f(x)^3 x^2 - 12 f(x)^3 x + 4 f(x)^3 + 3 f(x) x - 3 f(x) - 1$$

Sequence: A116413
Score: 14.5032
Type of gen. func.: ogf

$$-\frac{x + 1}{x^3 + x^2 + 2 x - 1}$$

Sequence: A116413
Score: 17.9778
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 4 x^2 + 2 x + 3}{(x + 1) (x^3 + x^2 + 2 x - 1)}$$

Sequence: A116413
Score: 6.86313
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + a(n + 1) + a(n), a(0) = 1, a(1) = 3, a(2) = 7\}$$

Sequence: A116413
Score: 7.11732
Type of gen. func.: ogf

$$-(9 f(x) + 26) (f(x) x^3 + f(x) x^2 + 2 f(x) x - f(x) + x + 1)$$

Sequence: A116413
Score: 9.60839
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 4 x^2 + 2 x + 3}{x^4 + 2 x^3 + 3 x^2 + x - 1}$$

Sequence: A116415
Score: 13.0645
Type of gen. func.: lgdogf

$$-\frac{6 x - 5}{3 x^2 - 5 x + 1}$$

Sequence: A116415
Score: 16.6096
Type of gen. func.: revogf

$$-\frac{-1 - 5 x + (13 x^2 + 10 x + 1)^{1/2}}{6 x}$$

Sequence: A116415
Score: 19.0030
Type of gen. func.: ogf

$$\frac{1}{3 x^2 - 5 x + 1}$$

Sequence: A116415
Score: 26.7198
Type of gen. func.: lgdogf

$$-\frac{6 x - 5}{3 x^2 - 5 x + 1}$$

Sequence: A116415
Score: 7.64754
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A116415
Score: 7.64755
Type of gen. func.: ogf

$$(19 f(x) + 6) (3 f(x) x^2 - 5 f(x) x + f(x) - 1)$$

Sequence: A116418
Score: 12.3543
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{6 x^5 + 2 x^4 + 5 x^3 + 4 x^2 + 5 x + 2}{-x^6 + 1}$$

Sequence: A116421
Score: 4.93931
Type of gen. func.: ogf

$$\{(-32 n^2 - 32 n - 8) a(n) + (n^2 + 2 n + 1) a(n + 1), a(0) = 0, a(1) = 1\}$$

Sequence: A116423
Score: 10.9594
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 6 x + 3}{x^4 + 2 x^3 - 7 x^2 + 5 x - 1}$$

Sequence: A116423
Score: 13.8435
Type of gen. func.: ogf

$$-\frac{x (x - 1)}{x^3 + 3 x^2 - 4 x + 1}$$

Sequence: A116423
Score: 16.3057
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 6 x + 3}{(x - 1) (x^3 + 3 x^2 - 4 x + 1)}$$

Sequence: A116423
Score: 7.10881
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 3 a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 3\}$$

Sequence: A116423
Score: 9.28327
Type of gen. func.: ogf

$$f(x) x^3 + 3 f(x) x^2 - 4 f(x) x + x^2 + f(x) - x$$

Sequence: A116453
Score: 14.9653
Type of gen. func.: ogf

$$-2 f(x) x + f(x) + x - 5$$

Sequence: A116453
Score: 18.2010
Type of gen. func.: ogf

$$\frac{x - 5}{2 x - 1}$$

Sequence: A116453
Score: 18.2010
Type of gen. func.: lgdogf

$$- \frac{9}{-2 x^2 + 11 x - 5}$$

Sequence: A116453
Score: 21.2849
Type of gen. func.: revogf

$$5/2 + x - \frac{(4 x^2 + 16 x + 25)^{1/2}}{2}$$

Sequence: A116453
Score: 43.9889
Type of gen. func.: lgdogf

$$\frac{9}{(2 x - 1) (x - 5)}$$

Sequence: A116453
Score: 9.35331
Type of gen. func.: ogf

$\{a(n+2) - 2a(n+1), a(0) = 5, a(1) = 9\}$

Sequence: A116454
Score: 10.2559
Type of gen. func.: ogf

$$\frac{x(x+1)(x-2)}{(2x-1)(x-1)^2}$$

Sequence: A116454
Score: 13.9666
Type of gen. func.: lgdogf

$$-\frac{2x^3 - 2x^2 - 13x + 9}{(x-1)(x-2)(2x-1)(x+1)}$$

Sequence: A116454
Score: 5.05027
Type of gen. func.: ogf

$\{a(n+4) - 4a(n+3) + 5a(n+2) - 2a(n+1), a(0) = 0, a(1) = 2, a(2) = 9,$

$a(3) = 25\}$

Sequence: A116454
Score: 5.33308
Type of gen. func.: ogf

$$-(1312 f(x) - 3069)(2 f(x) x^3 - 5 f(x) x^2 - x^3 + 4 f(x) x + x^2 - f(x) + 2x)$$

Sequence: A116454
Score: 9.13199
Type of gen. func.: lgdogf

$$-\frac{2x^3 - 2x^2 - 13x + 9}{2x^4 - 5x^3 + 5x - 2}$$

Sequence: A116458
Score: 16.6401
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{10}-x^{8}-1}{-x^{14}+1}$$

Sequence: A116468
Score: 9.46368
Type of gen. func.: ogf

$$\frac{2x^{5}-4x^{4}+5x^{3}-2x^{2}+x+2}{(x+1)(x^{2}+1)(x-1)^{2}}$$

Sequence: A116470
Score: 11.0809
Type of gen. func.: lgdogf

$$\frac{x^{8}+x^{6}-2x^{5}-9x^{4}-8x^{3}-8x^{2}-6x-2}{(x^{3}+x+1)(x^{4}+x^{2}-1)(x^{2}+x+1)}$$

Sequence: A116470
Score: 9.52352
Type of gen. func.: ogf

$$-\frac{x(x^{2}+x+1)(x^{3}+x+1)}{x^{4}+x^{2}-1}$$

Sequence: A116471
Score: 13.3180
Type of gen. func.: lgdogf

4   3   2

$$-\frac{(x + 2)\,(x - 3x + 3x + x + 2)}{(x - 1)\,(x + 1)\,(x^4 - x^3 - 2x^2 + 3x + 1)}$$

Sequence: A116471
Score: 8.63594
Type of gen. func.: ogf

$$-\frac{2x\,(x^4 - x^3 - 2x^2 + 3x + 1)}{(x + 1)^2\,(x - 1)^3}$$

Sequence: A116476
Score: 4.65864
Type of gen. func.: ogf

$$\frac{2x^8 + 7x^7 + 15x^6 + 33x^5 - 605x^4 - 1379x^3 - 183x^2 - 33x - 13}{(x - 1)\,(x^8 - 394x^4 + 1)}$$

Sequence: A116483
Score: 10.4129
Type of gen. func.: lgdogf

$$-\frac{-5x^2 - 10x + 3}{-5x^3 - 3x^2 + x - 1}$$

Sequence: A116483
Score: 15.0409
Type of gen. func.: ogf

$$\frac{x + 1}{5x^2 - 2x + 1}$$

Sequence: A116483
Score: 16.4523
Type of gen. func.: revogf

$$-\frac{-1 - 2x + (-16x^2 + 8x + 1)^{1/2}}{2(-1 + 5x)}$$

Sequence: A116483
Score: 19.6514
Type of gen. func.: lgdogf

$$-\frac{5x^2 + 10x - 3}{(x + 1)(5x^2 - 2x + 1)}$$

Sequence: A116483
Score: 7.77975
Type of gen. func.: ogf

$$(44 f(x) - 61)(5 f(x) x^2 - 2 f(x) x + f(x) - x - 1)$$

Sequence: A116483
Score: 8.25413
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - 5 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A116484
Score: 10.3656
Type of gen. func.: ogf

$$5 f(x) x^2 - 2 f(x) x + f(x) - 3x + 1$$

Sequence: A116484
Score: 14.5118
Type of gen. func.: ogf

$$\frac{-1 + 3x}{5x^2 - 2x + 1}$$

Sequence: A116484
Score: 16.5201
Type of gen. func.: revogf

$$\frac{-1 + 2 x + (-16 x^2 + 8 x + 1)^{1/2}}{2 (-3 + 5 x)}$$

Sequence: A116484
Score: 17.3461
Type of gen. func.: lgdogf

$$- \frac{15 x^2 - 10 x - 1}{(-1 + 3 x) (5 x^2 - 2 x + 1)}$$

Sequence: A116484
Score: 7.96378
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - 5 a(n), a(0) = -1, a(1) = 1\}$$

Sequence: A116484
Score: 9.60338
Type of gen. func.: lgdogf

$$- \frac{15 x^2 - 10 x - 1}{15 x^3 - 11 x^2 + 5 x - 1}$$

Sequence: A116494
Score: 14.6970
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^3 - x^2 + x - 1}{-x^5 - 1}$$

Sequence: A116498
Score: 10.7160
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^6 - x^5 + x^4 + x^3 + x^2 - x + 1}{-x^8 + 1}$$

Sequence: A116509
Score: 5.27463
Type of gen. func.: ogf

$$-(98022 f(x) - 868477)$$

$$(f(x) x^4 - 6 f(x) x^2 + 25 x^3 + 25 x^2 + f(x) - 109 x - 41)$$

Sequence: A116509
Score: 6.21016
Type of gen. func.: lgdogf

$$-\frac{25 x^6 + 50 x^5 - 177 x^4 - 164 x^3 + 579 x^2 + 442 x + 109}{(x^2 - 2 x - 1) (x^2 + 2 x - 1) (25 x^3 + 25 x^2 - 109 x - 41)}$$

Sequence: A116509
Score: 8.96689
Type of gen. func.: ogf

$$-\frac{25 x^3 + 25 x^2 - 109 x - 41}{(x^2 + 2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A116510
Score: 7.69647
Type of gen. func.: ogf

$$-\frac{x^{36} + x^{33} + 2 x^{32} - x^5 + 1}{{}^{4} \qquad {}^{32}}$$

$$(x - 1) (x + 1) (x + 1) (x + 1)$$

Sequence: A116521
Score: 13.0568
Type of gen. func.: ogf

$$\frac{x^3}{x^4 - 6 x^3 + 8 x^2 - 5 x + 1}$$

Sequence: A116521
Score: 13.5415
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 18 x^2 + 16 x - 5}{x^4 - 6 x^3 + 8 x^2 - 5 x + 1}$$

Sequence: A116521
Score: 6.46246
Type of gen. func.: ogf

$$-f(x) x^4 + 6 f(x) x^3 - 8 f(x) x^2 + x^3 + 5 f(x) x - f(x)$$

Sequence: A116521
Score: 7.80222
Type of gen. func.: lgdogf

$$- \frac{-4 x^3 + 18 x^2 - 16 x + 5}{-x^4 + 6 x^3 - 8 x^2 + 5 x - 1}$$

Sequence: A116530
Score: 12.1126
Type of gen. func.: ogf

$$\{a(n + 1) - 3 a(n), a(0) = 20\}$$

Sequence: A116530
Score: 15.2849
Type of gen. func.: ogf

$$-3 f(x) x + f(x) - 20$$

Sequence: A116530
Score: 22.9274
Type of gen. func.: lgdogf

$$\frac{3}{-3 x + 1}$$

Sequence: A116530
Score: 24.2021
Type of gen. func.: revegf]

$$-1/3 \ln(20) + 1/3 \ln(20 + 3 x)$$

Sequence: A116530
Score: 24.6910
Type of gen. func.: ogf

$$- \frac{20}{-1 + 3 x}$$

Sequence: A116530
Score: 57.2049
Type of gen. func.: lgdogf

$$- \frac{3}{-1 + 3 x}$$

Sequence: A116547
Score: 7.12824
Type of gen. func.: ogf

$$x (4 x^{14} - 17 x^{10} + 21 x^{9} - 13 x^{7} + 8 x^{5} - 4 x^{4} - 4 x^{3} + 9 x^{2} - 4 x + 5)$$

$$\frac{}{(x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A116551
Score: 10.8831
Type of gen. func.: lgdogf

$$\frac{2\,x^7 - 2\,x^6 + 3\,x^5 - 15\,x^4 + 6\,x^3 - 11\,x - 1}{(x - 1)\,(x^2 + x + 1)\,(2\,x^5 - 5\,x^3 + 5\,x^2 - 2\,x + 3)}$$

Sequence: A116551
Score: 11.1764
Type of gen. func.: ogf

$$\frac{x\,(2\,x^5 - 5\,x^3 + 5\,x^2 - 2\,x + 3)}{(x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A116556
Score: 11.5343
Type of gen. func.: lgdogf

$$-\frac{-4\,x - 2}{-2\,x^2 - 2\,x + 1}$$

Sequence: A116556
Score: 14.9634
Type of gen. func.: ogf

$$-\frac{4\,x}{2\,x^2 + 2\,x - 1}$$

Sequence: A116556
Score: 16.9997
Type of gen. func.: revogf

$$\frac{-2 - x + (3 x^2 + 4 x + 4)^{1/2}}{2 x}$$

Sequence: A116556
Score: 22.6663
Type of gen. func.: lgdogf

$$- \frac{2 (2 x + 1)}{2 x^2 + 2 x - 1}$$

Sequence: A116556
Score: 6.83515
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 4\}$$

Sequence: A116556
Score: 9.38384
Type of gen. func.: ogf

$$-2 f(x) x^2 - 2 f(x) x + f(x) - 4 x$$

Sequence: A116558
Score: 8.84180
Type of gen. func.: ogf

$$- \frac{x (x^6 + x^5 + x^4 - 2 x^3 - 5 x^2 - x - 1)}{(x^4 + 2 x^2 - 1) (x^4 - 2 x^2 - 1)}$$

Sequence: A116559
Score: 7.62680
Type of gen. func.: ogf

$$\frac{x (x^9 + x^8 - 2 x^7 + 3 x^6 - 5 x^5 - 5 x^4 - 2 x^3 - 2 x^2 - x - 1)}{x^{12} + 6 x^6 - 1}$$

Sequence: A116560
Score: 8.04865
Type of gen. func.: ogf

$$- \frac{x (x^{9} + x^{8} - x^{6} + x^{5} + x^{4} + x + 1)}{x^{12} + 2 x^{6} - 1}$$

Sequence: A116561
Score: 5.99831
Type of gen. func.: ogf

$$- \frac{x (x^{9} + x^{8} + x^{7} + 2 x^{6} - 7 x^{5} - 7 x^{4} - 18 x^{3} - 4 x^{2} - 4 x - 1)}{x^{12} - 20 x^{6} + 1}$$

Sequence: A116562
Score: 2.87748
Type of gen. func.: ogf

$$-(125 f(x) - 79) (f(x) x^{4} + 2 f(x) x^{3} - f(x) x^{2} - x^{3} - 2 f(x) x + f(x) - x)$$

Sequence: A116567
Score: 4.90870
Type of gen. func.: ogf

$$- x (1296 x^{9} + 1296 x^{8} + 1296 x^{7} - 36 x^{6} + 228 x^{5} + 228 x^{4} + 40 x^{3} + 2 x^{2} + 2 x + 1) / (46656 x^{12} + 1476 x^{6} - 1)$$

Sequence: A116576
Score: 10.3463
Type of gen. func.: lgdogf

$$- \frac{4 x^{6} + 2 x^{5} - 2 x^{4} - 5 x^{3} - 9 x^{2} - x + 7}{}$$

$$(x - 1) (x^3 + x^2 + x - 1) (2 x^3 - x - 2)$$

Sequence: A116576
Score: 10.3972
Type of gen. func.: ogf

$$\frac{2 x^3 - x - 2}{(x^3 + x^2 + x - 1) (x - 1)^2}$$

Sequence: A116597
Score: 8.32164
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{3 x^7 - 2 x^6 + 3 x^5 - 2 x^4 + 5 x^3 - 2 x^2 + 3 x - 2}{-x^8 + 1}$$

Sequence: A116604
Score: 6.40605
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-2 x^{11} - 3 x^{10} - x^9 - 2 x^8 - 2 x^7 - 3 x^6 - 3 x^4 - 2 x^3 - 2 x^2 - x - 3}{x^{12} - 1}$$

Sequence: A116634
Score: 14.4813
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^5 - x^2 - x - 1}{-x^3 + 1}$$

Sequence: A116637
Score: 5.39405
Type of gen. func.: lgdogf

$$\frac{(-1)^{1/3} \left(16 + \left(12 x 3^{1/2} + 4 (27 x^2 - 4)^{1/2}\right)^{(4/3)} (-1)^{(1/3)}\right)}{2 x \left(12 x 3^{1/2} + 4 (27 x^2 - 4)^{1/2}\right)^{2/3} (81 x^2 - 12)^{1/2}}$$

Sequence: A116637
Score: 8.03594
Type of gen. func.: ogf

$$-f(x)^3 x - 3 f(x)^2 x + 4 f(x)^2 - 3 f(x) x - 4 f(x) - x$$

Sequence: A116646
Score: 19.3447
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^3 + 2 x}{x - 1}$$

Sequence: A116665
Score: 11.8533
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^7 - 2 x^5 - x^4 + 2 x^2 + x}{x^2 - 1}$$

Sequence: A116668
Score: 13.5809
Type of gen. func.: ogf

$$-\frac{3 x^2 + x + 1}{(x - 1)^3}$$

Sequence: A116668
Score: 13.8073
Type of gen. func.: lgdogf

$$-\frac{-3x^2 - 8x - 4}{-3x^3 + 2x^2 + 1}$$

Sequence: A116668
Score: 25.4047
Type of gen. func.: lgdogf

$$-\frac{(x + 2)(2 + 3x)}{(x - 1)(3x^2 + x + 1)}$$

Sequence: A116668
Score: 7.2038
Type of gen. func.: ogf

$$(475 f(x) - 651)(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) + x + 1)$$

Sequence: A116668
Score: 7.33130
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 4, a(2) = 12\}$$

Sequence: A116689
Score: 10.4258
Type of gen. func.: lgdogf

$$-\frac{30x^2 + 84x + 21}{10x^3 + 6x^2 - 15x - 1}$$

Sequence: A116689
Score: 17.7200
Type of gen. func.: lgdogf

$$-\frac{3(10x^2 + 28x + 7)}{}$$

$$(x - 1) (10 x^2 + 16 x + 1)$$

Sequence: A116689
Score: 3.56127
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (9 + 15 n) a(n + 3) + (-90 - 6 n) a(n + 2) + (-30 - 10 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 21, a(3) = 105\}$$

Sequence: A116689
Score: 8.46326
Type of gen. func.: ogf

$$- \frac{x (10 x^2 + 16 x + 1)}{(x - 1)^5}$$

Sequence: A116690
Score: 4.49218
Type of gen. func.: ogf

$$- \frac{x (2 x^2 - 2 x + 1) (2 x^4 - 4 x^3 + 6 x^2 - 4 x + 1)}{(x - 1)^9}$$

Sequence: A116690
Score: 7.71881
Type of gen. func.: lgdogf

$$- \frac{12 x^6 - 24 x^5 + 50 x^4 - 56 x^3 + 40 x^2 - 16 x + 3}{(x - 1) (2 x^2 - 2 x + 1) (2 x^4 - 4 x^3 + 6 x^2 - 4 x + 1)}$$

Sequence: A116697
Score: 5.04919
Type of gen. func.: ogf

4 3 3 2

$$(5 f(x) - 7) (f(x) x - f(x) x + x - f(x) x - x - f(x) + 2 x + 1)$$

Sequence: A116697
Score: 8.70803
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 + 2 x + 1}{(x^2 + 1) (x^2 - x - 1)}$$

Sequence: A116697
Score: 9.51579
Type of gen. func.: lgdogf

$$-\frac{x^6 - 2 x^5 + 7 x^4 + 2 x^3 - x^2 - 2 x + 1}{(x^2 + 1) (x^2 - x - 1) (x^3 - x^2 + 2 x + 1)}$$

Sequence: A116698
Score: 4.29094
Type of gen. func.: ogf

$$(13794 f(x) - 16295)$$

$$(2 f(x) x^4 + 2 f(x) x^3 - f(x) x^2 + x^3 + f(x) x + 3 x^2 - f(x) - x + 1)$$

Sequence: A116698
Score: 8.08034
Type of gen. func.: ogf

$$-\frac{x^3 + 3 x^2 - x + 1}{(2 x^2 + 1) (x^2 + x - 1)}$$

Sequence: A116698
Score: 8.86261
Type of gen. func.: lgdogf

5 4 3 2

$$-\frac{x (2 x + 12 x + x + 2 x + 7 x + 4)}{(2 x^2 + 1) (x^2 + x - 1) (x^3 + 3 x^2 - x + 1)}$$

Sequence: A116699
Score: 10.1384
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 + 9 x^2 - 2 x + 2}{-2 x^4 + 7 x^3 - 8 x^2 + 4 x - 1}$$

Sequence: A116699
Score: 16.9388
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 9 x^2 + 2 x - 2}{(x - 1) (2 x^3 - 5 x^2 + 3 x - 1)}$$

Sequence: A116699
Score: 4.26881
Type of gen. func.: ogf

$$\{(61 n^2 + 499 n + 948) a(n + 1) + (-128 n^2 - 800 n - 972) a(n + 2)$$
$$+ (67 n^2 + 277 n + 228) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A116699
Score: 9.32269
Type of gen. func.: ogf

$$\frac{2 x^3 - 5 x^2 + 3 x - 1}{(x - 1)^5}$$

Sequence: A116701
Score: 15.8314

Type of gen. func.: lgdogf

$$-\frac{x^4 + 9 x^2 - 2 x + 2}{(x - 1) (x^4 - 2 x^3 + 5 x^2 - 3 x + 1)}$$

Sequence: A116701
Score: 8.15437
Type of gen. func.: ogf

$$-\frac{x^4 - 2 x^3 + 5 x^2 - 3 x + 1}{(x - 1)^5}$$

Sequence: A116701
Score: 8.80301
Type of gen. func.: lgdogf

$$-\frac{-x^4 - 9 x^2 + 2 x - 2}{-x^5 + 3 x^4 - 7 x^3 + 8 x^2 - 4 x + 1}$$

Sequence: A116702
Score: 10.2625
Type of gen. func.: ogf

$$-\frac{x^3 - 4 x^2 + 3 x - 1}{(2 x - 1) (x - 1)^3}$$

Sequence: A116702
Score: 10.6571
Type of gen. func.: lgdogf

$$-\frac{2 x^4 - 12 x^3 + 11 x^2 - 6 x + 2}{(x - 1) (2 x - 1) (x^3 - 4 x^2 + 3 x - 1)}$$

Sequence: A116702
Score: 5.44973
Type of gen. func.: ogf

$$-(251 f(x) + 155)$$

$$(2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 + x^3 - 5 f(x) x - 4 x^2 + f(x) + 3 x - 1)$$

Sequence: A116702
Score: 7.82387
Type of gen. func.: lgdogf

$$-\frac{-2 x^4 + 12 x^3 - 11 x^2 + 6 x - 2}{-2 x^5 + 11 x^4 - 19 x^3 + 15 x^2 - 6 x + 1}$$

Sequence: A116703
Score: 10.9166
Type of gen. func.: lgdogf

$$-\frac{6 x^4 - 12 x^3 + 11 x^2 - 6 x + 2}{(2 x^2 - 2 x + 1) (3 x^3 - 5 x^2 + 4 x - 1)}$$

Sequence: A116703
Score: 11.3163
Type of gen. func.: ogf

$$-\frac{2 x^2 - 2 x + 1}{3 x^3 - 5 x^2 + 4 x - 1}$$

Sequence: A116703
Score: 6.00257
Type of gen. func.: ogf

$$-(4 f(x) + 5) (3 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x + 2 x^2 - f(x) - 2 x + 1)$$

Sequence: A116703
Score: 6.16336
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A116703
Score: 6.83461
Type of gen. func.: lgdogf

$$-\frac{-6 x^4 + 12 x^3 - 11 x^2 + 6 x - 2}{-6 x^5 + 16 x^4 - 21 x^3 + 15 x^2 - 6 x + 1}$$

Sequence: A116704
Score: 5.40027
Type of gen. func.: lgdogf

$$-\frac{2 (6 x^8 - 32 x^7 + 73 x^6 - 106 x^5 + 107 x^4 - 74 x^3 + 32 x^2 - 8 x + 1)}{(x - 1) (3 x^3 - 5 x^2 + 4 x - 1) (4 x^5 - 13 x^4 + 22 x^3 - 17 x^2 + 7 x - 1)}$$

Sequence: A116704
Score: 6.42399
Type of gen. func.: ogf

$$\frac{x^5 - 5 x^4 + 13 x^3 - 12 x^2 + 6 x - 1}{4 x^5 - 13 x^4 + 22 x^3 - 17 x^2 + 7 x - 1}$$

Sequence: A116705
Score: 4.11724
Type of gen. func.: ogf

$$-\frac{4 x^8 - 19 x^7 + 32 x^6 - 39 x^5 + 62 x^4 - 44 x^3 + 24 x^2 - 7 x + 1}{(x - 1)^9}$$

Sequence: A116705
Score: 5.85122
Type of gen. func.: lgdogf

$$-\frac{4 x^{8} - 6 x^{7} - 37 x^{6} + 36 x^{5} + 115 x^{4} - 16 x^{3} + 36 x^{2} - 8 x + 2}{(x - 1) (4 x^{8} - 19 x^{7} + 32 x^{6} - 39 x^{5} + 62 x^{4} - 44 x^{3} + 24 x^{2} - 7 x + 1)}$$

Sequence: A116706
Score: 5.74164
Type of gen. func.: ogf

$$\frac{4 x^{6} - 28 x^{5} + 64 x^{4} - 64 x^{3} + 34 x^{2} - 9 x + 1}{(x - 1) (2 x - 1)^{5}}$$

Sequence: A116706
Score: 6.32071
Type of gen. func.: lgdogf

$$\frac{2 (14 x^{6} - 60 x^{5} + 90 x^{4} - 72 x^{3} + 34 x^{2} - 8 x + 1)}{(x - 1) (2 x - 1) (4 x^{6} - 28 x^{5} + 64 x^{4} - 64 x^{3} + 34 x^{2} - 9 x + 1)}$$

Sequence: A116707
Score: 5.08081
Type of gen. func.: ogf

$$-(3 f(x) + 1) (4 f(x) x^{4} - 16 f(x) x^{3} + 16 f(x) x^{2} + 4 x^{3} - 7 f(x) x - 8 x^{2}$$
$$+ f(x) + 5 x - 1)$$

Sequence: A116707
Score: 8.16791
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^{5} - 14 x^{4} + 24 x^{3} - 18 x^{2} + 6 x - 1)}{(x - 1) (2 x - 1) (4 x^{4} - 16 x^{3} + 16 x^{2} - 7 x + 1)}$$

Sequence: A116707
Score: 9.19691
Type of gen. func.: ogf

$$-\frac{(x-1)(2x-1)^2}{4x^4-16x^3+16x^2-7x+1}$$

Sequence: A116708
Score: 3.72810
Type of gen. func.: ogf

$$-(4x^9-29x^8+108x^7-234x^6+313x^5-268x^4+151x^3-54x^2+11x-1)\Big/\left((x^2-3x+1)(2x-1)^2(x-1)^6\right)$$

Sequence: A116709
Score: 5.19174
Type of gen. func.: lgdogf

$$-\frac{2(2x^8-14x^7+46x^6-100x^5+144x^4-110x^3+45x^2-10x+1)}{(2x^4-7x^3+12x^2-6x+1)(2x^5-10x^4+25x^3-22x^2+8x-1)}$$

Sequence: A116709
Score: 7.98476
Type of gen. func.: ogf

$$-\frac{2x^4-7x^3+12x^2-6x+1}{2x^5-10x^4+25x^3-22x^2+8x-1}$$

Sequence: A116710
Score: 5.62232
Type of gen. func.: ogf

$$-\frac{2x^6 - 14x^5 + 37x^4 - 49x^3 + 31x^2 - 9x + 1}{(x-1)(2x^2 - 4x + 1)(x^2 - 3x + 1)^2}$$

Sequence: A116711
Score: 10.7199
Type of gen. func.: ogf

$$\frac{2x^5 - 2x^3 - 2x^2 + x - 1}{(x-1)^3}$$

Sequence: A116711
Score: 6.61688
Type of gen. func.: lgdogf

$$\frac{2(2x^5 - 5x^4 + 4x^2 + x + 1)}{(x-1)(2x^5 - 2x^3 - 2x^2 + x - 1)}$$

Sequence: A116711
Score: 8.50965
Type of gen. func.: lgdogf

$$-\frac{4x^5 - 10x^4 + 8x^2 + 2x + 2}{-2x^6 + 2x^5 + 2x^4 - 3x^2 + 2x - 1}$$

Sequence: A116712
Score: 10.5939
Type of gen. func.: ogf

$$\frac{x^3 - x + 1}{(2x-1)(x^2 + x - 1)}$$

Sequence: A116712

Score: 12.4044
Type of gen. func.: lgdogf

$$\frac{x^4 - 2 x^3 - 2 x^2 - 2 x + 2}{(2 x - 1) (x^2 + x - 1) (x^3 - x + 1)}$$

Sequence: A116712
Score: 4.85886
Type of gen. func.: ogf

$\{a(n + 4) - 3 a(n + 3) + a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 12\}$

Sequence: A116712
Score: 5.82187
Type of gen. func.: ogf

$$(2 f(x) - 1) (2 f(x) x^3 + f(x) x^2 - x^3 - 3 f(x) x + f(x) + x - 1)$$

Sequence: A116713
Score: 8.01956
Type of gen. func.: lgdogf

$$\frac{4 x^6 - 20 x^5 + 35 x^4 - 20 x^3 + 8 x^2 - 6 x + 2}{(x - 1) (2 x - 1) (2 x^5 - 3 x^4 - 2 x^3 + 4 x^2 - 3 x + 1)}$$

Sequence: A116713
Score: 8.53152
Type of gen. func.: ogf

$$\frac{2 x^5 - 3 x^4 - 2 x^3 + 4 x^2 - 3 x + 1}{(2 x - 1) (x - 1)^3}$$

Sequence: A116714
Score: 10.9737

Type of gen. func.: ogf

$$\frac{x^4 + 2 x^3 + x^2 + 1}{(x - 1) (x^3 + x^2 + x - 1)}$$

Sequence: A116714
Score: 6.48443
Type of gen. func.: ogf

$$(291 f(x) + 1864) (f(x) x^4 - x^4 - 2 x^3 - 2 f(x) x - x^2 + f(x) - 1)$$

Sequence: A116714
Score: 9.57948
Type of gen. func.: lgdogf

$$- \frac{2 (x^6 + x^5 + 3 x^4 + 4 x^3 - 2 x^2 - x - 1)}{(x - 1) (x^3 + x^2 + x - 1) (x^4 + 2 x^3 + x^2 + 1)}$$

Sequence: A116715
Score: 6.66498
Type of gen. func.: lgdogf

$$- \frac{x^8 + 6 x^7 + 13 x^6 + 14 x^5 + 12 x^4 + 14 x^3 + 14 x^2 + 6 x + 2}{(x + 1) (x^3 + 2 x^2 + 1) (x^5 + 3 x^4 + 2 x^3 + x^2 + x - 1)}$$

Sequence: A116715
Score: 8.27305
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^3 + 2 x^2 + 1)}{x^5 + 3 x^4 + 2 x^3 + x^2 + x - 1}$$

Sequence: A116716

Score: 7.31997
Type of gen. func.: lgdogf

$$-\frac{x^8 - 2x^7 - x^6 + 2x^5 + 2x^4 - 4x^3 + 4x^2 + 2x + 2}{(x + 1)(x^2 + 1)(x^3 - x^2 - 2x + 1)(x^3 - 2x^2 + x - 1)}$$

Sequence: A116716
Score: 9.66984
Type of gen. func.: ogf

$$-\frac{(x + 1)(x^3 - 2x^2 + x - 1)}{(x^2 + 1)(x^3 - x^2 - 2x + 1)}$$

Sequence: A116717
Score: 11.8948
Type of gen. func.: lgdogf

$$-\frac{x^6 - 4x^4 - 2x^3 + 2x^2 - 2x + 2}{(x - 1)(x^2 + x - 1)(x^4 - x^3 - 2x^2 + 2x - 1)}$$

Sequence: A116717
Score: 8.85258
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 - 2x^2 + 2x - 1}{(x^2 + x - 1)(x - 1)^3}$$

Sequence: A116718
Score: 7.85144
Type of gen. func.: ogf

$$\frac{2x^6 + 3x^5 - x^4 - 2x^3 - x^2 + 2x - 1}{(x^2 + x - 1)(x - 1)^2}$$

Sequence: A116718
Score: 9.05168
Type of gen. func.: lgdogf

$$\frac{2 x^7 - 2 x^6 - 15 x^5 - x^4 + 16 x^3 - 2 x^2 - 2}{(x - 1) (x + 1) (x^2 + x - 1) (2 x^4 + x^3 - 3 x^2 + 2 x - 1)}$$

Sequence: A116720
Score: 10.3071
Type of gen. func.: lgdogf

$$- \frac{2 x^4 - 8 x^3 - 8 x^2 - 2 x - 2}{-2 x^5 + 3 x^2 - 2 x + 1}$$

Sequence: A116720
Score: 10.7086
Type of gen. func.: ogf

$$- \frac{2 x^4 + 2 x^3 + 2 x^2 - x + 1}{(x - 1)^3}$$

Sequence: A116720
Score: 14.9830
Type of gen. func.: lgdogf

$$\frac{2 (x^4 - 4 x^3 - 4 x^2 - x - 1)}{(x - 1) (2 x^4 + 2 x^3 + 2 x^2 - x + 1)}$$

Sequence: A116720
Score: 5.64771
Type of gen. func.: ogf

{-a(n + 5) + 3 a(n + 4) - 3 a(n + 3) + a(n + 2), a(0) = 1, a(1) = 2, a(2) = 5,

a(3) = 12, a(4) = 25}

Sequence: A116720
Score: 6.01873
Type of gen. func.: ogf

$$-(4212 f(x) - 1697)$$

$$(f(x) x^3 + 2 x^4 - 3 f(x) x^2 + 2 x^3 + 3 f(x) x + 2 x^2 - f(x) - x + 1)$$

Sequence: A116721
Score: 10.6406
Type of gen. func.: ogf

$$-\frac{x^4 - 3 x^2 + 2 x - 1}{(x - 1)^4}$$

Sequence: A116721
Score: 18.0595
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^3 - 3 x^2 - 1)}{(x - 1) (x^4 - 3 x^2 + 2 x - 1)}$$

Sequence: A116721
Score: 5.65055
Type of gen. func.: ogf

$$-(94 f(x) + 2301)$$

$$(f(x) x^4 - 4 f(x) x^3 + x^4 + 6 f(x) x^2 - 4 f(x) x - 3 x^2 + f(x) + 2 x - 1)$$

Sequence: A116721
Score: 9.75392
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 + 6 x^2 + 2}{}$$

$$-x^5 + x^4 + 3x^3 - 5x^2 + 3x - 1$$

Sequence: A116722
Score: 13.2628
Type of gen. func.: lgdogf

$$-\frac{5x^4 - 6x^3 + 6x^2 - 2x + 2}{(x - 1)(x^5 - 3x^3 + 5x^2 - 3x + 1)}$$

Sequence: A116722
Score: 7.88406
Type of gen. func.: lgdogf

$$-\frac{5x^4 - 6x^3 + 6x^2 - 2x + 2}{x^6 - x^5 - 3x^4 + 8x^3 - 8x^2 + 4x - 1}$$

Sequence: A116722
Score: 8.63097
Type of gen. func.: ogf

$$-\frac{x^5 - 3x^3 + 5x^2 - 3x + 1}{(x - 1)^5}$$

Sequence: A116725
Score: 8.35191
Type of gen. func.: ogf

$$-\frac{x^4 - 6x^3 + 7x^2 - 4x + 1}{(2x - 1)(x - 1)^4}$$

Sequence: A116725
Score: 8.36128
Type of gen. func.: lgdogf

$$-\frac{2\,(x^5-9\,x^4+10\,x^3-7\,x^2+4\,x-1)}{(x-1)\,(2\,x-1)\,(x^4-6\,x^3+7\,x^2-4\,x+1)}$$

Sequence: A116726
Score: 6.68903
Type of gen. func.: lgdogf

$$-\frac{3\,x^8+2\,x^7-6\,x^6+2\,x^5+9\,x^4-6\,x^3-2\,x^2-2\,x+2}{(x-1)\,(x^2+x-1)\,(x^3-x+1)\,(x^3+x^2+x-1)}$$

Sequence: A116726
Score: 7.24255
Type of gen. func.: ogf

$$-\frac{x^3-x+1}{(x-1)\,(x^2+x-1)\,(x^3+x^2+x-1)}$$

Sequence: A116727
Score: 12.8235
Type of gen. func.: ogf

$$\frac{3\,x^4+4\,x^3+2\,x^2+1}{(x-1)^2}$$

Sequence: A116727
Score: 6.31651
Type of gen. func.: lgdogf

$$\frac{2\,(3\,x^4-4\,x^3-6\,x^2-2\,x-1)}{(x-1)\,(3\,x^4+4\,x^3+2\,x^2+1)}$$

Sequence: A116727
Score: 6.51191
Type of gen. func.: ogf

$\{-a(n+5)+2\,a(n+4)-a(n+3),\ a(0)=1,\ a(1)=2,\ a(2)=5,\ a(3)=12,\ a(4)=22\}$

Sequence: A116727
Score: 7.18556
Type of gen. func.: ogf

$$-(11955\,f(x)-2974)\,(-3\,x^4+f(x)\,x^2-4\,x^3-2\,f(x)\,x-2\,x^2+f(x)-1)$$

Sequence: A116727
Score: 8.59304
Type of gen. func.: lgdogf

$$-\frac{6\,x^4-8\,x^3-12\,x^2-4\,x-2}{-3\,x^5-x^4+2\,x^3+2\,x^2-x+1}$$

Sequence: A116728
Score: 10.0925
Type of gen. func.: lgdogf

$$-\frac{-4\,x^3+12\,x^2+4\,x+2}{4\,x^4-2\,x^3-2\,x^2+x-1}$$

Sequence: A116728
Score: 14.3420
Type of gen. func.: ogf

$$\frac{4\,x^3+2\,x^2+1}{(x-1)^2}$$

Sequence: A116728

Score: 18.2151
Type of gen. func.: lgdogf

$$\frac{2\,(2\,x^{3} - 6\,x^{2} - 2\,x - 1)}{(x - 1)\,(4\,x^{3} + 2\,x^{2} + 1)}$$

Sequence: A116728
Score: 7.10865
Type of gen. func.: ogf

$$\{a(n + 4) - 2\,a(n + 3) + a(n + 2), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 12\}$$

Sequence: A116728
Score: 8.09402
Type of gen. func.: ogf

$$(497\,f(x) - 418)\,(f(x)\,x^{2} - 4\,x^{3} - 2\,f(x)\,x - 2\,x^{2} + f(x) - 1)$$

Sequence: A116729
Score: 4.44156
Type of gen. func.: ogf

$$\frac{x^{5} + x^{4} - 2\,x^{3} - 2\,x^{2} + x - 1}{(x - 1)^{3}}$$

Sequence: A116729
Score: 5.96604
Type of gen. func.: lgdogf

$$\frac{2\,(x^{5} - 2\,x^{4} - 2\,x^{3} + 4\,x^{2} + x + 1)}{(x - 1)\,(x^{5} + x^{4} - 2\,x^{3} - 2\,x^{2} + x - 1)}$$

Sequence: A116730
Score: 10.5514
Type of gen. func.: ogf

$$-\frac{2 x^3 + x^2 - x + 1}{(x^2 + x - 1)(x - 1)^2}$$

Sequence: A116730
Score: 12.8156
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 + 2 x^4 + 2 x^3 - x^2 - 1)}{(x - 1)(x^2 + x - 1)(2 x^3 + x^2 - x + 1)}$$

Sequence: A116730
Score: 4.46405
Type of gen. func.: ogf

$\{(-3 n - 8) a(n + 1) - 3 a(n + 2) + (6 n + 13) a(n + 3) + (-3 n - 5) a(n + 4),$

$a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 12\}$

Sequence: A116730
Score: 5.60315
Type of gen. func.: ogf

$-(159 f(x) + 122)$

$(f(x) x^4 - f(x) x^3 - 2 f(x) x^2 + 2 x^3 + 3 f(x) x + x^2 - f(x) - x + 1)$

Sequence: A116730
Score: 7.52275
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 4 x^4 + 4 x^3 - 2 x^2 - 2}{2 x^6 + x^5 - 5 x^4 + x^3 + 3 x^2 - 3 x + 1}$$

Sequence: A116731
Score: 11.5171
Type of gen. func.: ogf

$$\frac{3 x^2 - 2 x + 1}{(x - 1)^4}$$

Sequence: A116731
Score: 13.2447
Type of gen. func.: lgdogf

$$- \frac{-6 x^2 - 2}{-3 x^3 + 5 x^2 - 3 x + 1}$$

Sequence: A116731
Score: 24.3607
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^2 + 1)}{(x - 1) (3 x^2 - 2 x + 1)}$$

Sequence: A116731
Score: 3.99337
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-11 - 3 n) a(n + 3) + (5 n + 10) a(n + 2)$$

$$+ (-3 n - 9) a(n + 1), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 12\}$$

Sequence: A116731
Score: 5.88652
Type of gen. func.: ogf

$$-(32 f(x) + 23)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 3 x^2 + f(x) + 2 x - 1)$$

Sequence: A116732
Score: 16.1106

Type of gen. func.: ogf

$$\frac{x^3}{x^4 - x^3 - x^2 - x + 1}$$

Sequence: A116732
Score: 19.6433
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 3 x^2 - 2 x - 1}{x^4 - x^3 - x^2 - x + 1}$$

Sequence: A116732
Score: 7.97394
Type of gen. func.: ogf

$$f(x) x^4 - f(x) x^3 - f(x) x^2 - x^3 - f(x) x + f(x)$$

Sequence: A116732
Score: 9.86775
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 3 x^2 - 2 x - 1}{x^4 - x^3 - x^2 - x + 1}$$

Sequence: A116733
Score: 10.5578
Type of gen. func.: ogf

$$-\frac{x^4 + 2 x^3 + 2 x^2 - x + 1}{(x - 1)^3}$$

Sequence: A116733

Score: 15.3359
Type of gen. func.: lgdogf

$$\frac{x^4 - 4 x^3 - 8 x^2 - 2 x - 2}{(x - 1) (x^4 + 2 x^3 + 2 x^2 - x + 1)}$$

Sequence: A116733
Score: 5.56816
Type of gen. func.: ogf

$\{-a(n + 5) + 3 a(n + 4) - 3 a(n + 3) + a(n + 2), a(0) = 1, a(1) = 2, a(2) = 5,$

$a(3) = 12, a(4) = 24\}$

Sequence: A116733
Score: 6.11242
Type of gen. func.: ogf

$(10825 f(x) - 858)$

$(f(x) x^3 + x^4 - 3 f(x) x^2 + 2 x^3 + 3 f(x) x + 2 x^2 - f(x) - x + 1)$

Sequence: A116733
Score: 9.23809
Type of gen. func.: lgdogf

$$- \frac{x^4 - 4 x^3 - 8 x^2 - 2 x - 2}{-x^5 - x^4 + 3 x^2 - 2 x + 1}$$

Sequence: A116734
Score: 10.8123
Type of gen. func.: lgdogf

$$- \frac{2 (x^6 + 2 x^5 - x^4 + 4 x^3 - x^2 - 1)}{(x - 1) (x^3 + x^2 - x + 1) (x^3 + x^2 + x - 1)}$$

Sequence: A116734
Score: 9.30890
Type of gen. func.: ogf

$$-\frac{x^3 + x^2 - x + 1}{(x^3 + x^2 + x - 1)(x - 1)^2}$$

Sequence: A116735
Score: 12.0139
Type of gen. func.: ogf

$$-\frac{2x^3 + 2x^2 - x + 1}{(x - 1)^3}$$

Sequence: A116735
Score: 12.9525
Type of gen. func.: lgdogf

$$-\frac{8x^2 + 2x + 2}{2x^4 - 3x^2 + 2x - 1}$$

Sequence: A116735
Score: 21.4050
Type of gen. func.: lgdogf

$$-\frac{2(4x^2 + x + 1)}{(x - 1)(2x^3 + 2x^2 - x + 1)}$$

Sequence: A116735
Score: 6.23277
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 2, a(2) = 5,

a(3) = 12}

Sequence: A116735
Score: 6.73949
Type of gen. func.: ogf

$$(-131 + 176 f(x)) (f(x) x^3 - 3 f(x) x^2 + 2 x^3 + 3 f(x) x + 2 x^2 - f(x) - x + 1)$$

Sequence: A116736
Score: 5.71577
Type of gen. func.: lgdogf

$$- \frac{(x^2 - 4 x + 2) (x^6 - 6 x^5 + 18 x^4 - 28 x^3 + 18 x^2 - 6 x + 1)}{(x^4 - 5 x^3 + 9 x^2 - 5 x + 1) (x^5 - 7 x^4 + 18 x^3 - 17 x^2 + 7 x - 1)}$$

Sequence: A116736
Score: 6.57329
Type of gen. func.: ogf

$$- \frac{x^4 - 5 x^3 + 9 x^2 - 5 x + 1}{x^5 - 7 x^4 + 18 x^3 - 17 x^2 + 7 x - 1}$$

Sequence: A116737
Score: 5.71577
Type of gen. func.: lgdogf

$$- \frac{(x - 1) (4 x^8 + 12 x^7 + 20 x^6 + 14 x^5 + 2 x^4 + 5 x^3 + 7 x^2 + 2 x + 2)}{(x^3 + x^2 + x - 1) (x^7 + x^6 - x^5 - x^4 + 2 x^3 + x^2 + 3 x - 1)}$$

Sequence: A116737
Score: 6.18280
Type of gen. func.: ogf

$$\frac{x^3 + x^2 + x - 1}{x^7 + x^6 - x^5 - x^4 + 2 x^3 + x^2 + 3 x - 1}$$

Sequence: A116738
Score: 11.9645
Type of gen. func.: ogf

$$\frac{2 x - 1}{x^3 - 2 x^2 + 4 x - 1}$$

Sequence: A116738
Score: 13.2180
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 7 x^2 + 4 x - 2}{(2 x - 1) (x^3 - 2 x^2 + 4 x - 1)}$$

Sequence: A116738
Score: 5.66178
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A116738
Score: 6.15649
Type of gen. func.: ogf

$$(4 f(x) - 7) (f(x) x^3 - 2 f(x) x^2 + 4 f(x) x - f(x) - 2 x + 1)$$

Sequence: A116738
Score: 7.82863
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 + 7 x^2 - 4 x + 2}{-2 x^4 + 5 x^3 - 10 x^2 + 6 x - 1}$$

Sequence: A116739

Score: 3.74144
Type of gen. func.: ogf

$$(2 x^{9} - 8 x^{8} + 53 x^{7} - 133 x^{6} + 190 x^{5} - 182 x^{4} + 115 x^{3} - 45 x^{2} + 10 x - 1) \Big/ \left((2 x - 1)^{3} (x - 1)^{6}\right)$$

Sequence: A116740
Score: 3.43911
Type of gen. func.: ogf

$$- \frac{6 x^{8} - 36 x^{7} + 91 x^{6} - 149 x^{5} + 160 x^{4} - 108 x^{3} + 44 x^{2} - 10 x + 1}{(x^{2} - 3 x + 1) (2 x - 1)^{2} (x - 1)^{5}}$$

Sequence: A116741
Score: 4.60961
Type of gen. func.: ogf

$$- \frac{2 x^{6} - 13 x^{5} + 31 x^{4} - 41 x^{3} + 26 x^{2} - 8 x + 1}{(2 x - 1) (x - 1)^{2} (x^{2} - 3 x + 1)^{2}}$$

Sequence: A116742
Score: 6.58338
Type of gen. func.: ogf

$$- \frac{2 x^{4} - 9 x^{3} + 13 x^{2} - 6 x + 1}{(2 x - 1) (x^{2} - 3 x + 1)^{2}}$$

Sequence: A116742
Score: 6.95061
Type of gen. func.: lgdogf

$$- \frac{4 x^{6} - 24 x^{5} + 63 x^{4} - 81 x^{3} + 47 x^{2} - 14 x + 2}{(2 x - 1) (x^{2} - 3 x + 1) (2 x^{4} - 9 x^{3} + 13 x^{2} - 6 x + 1)}$$

```
------------------------------------------------------------------------------

Sequence:  A116743
Score: 5.07693
Type of gen. func.: lgdogf


       9      8       7       6        5        4       3       2
      x  - 7 x  + 25 x  - 65 x  + 115 x  - 135 x  + 99 x  - 47 x  + 14 x - 2
   - ------------------------------------------------------------------------
               2            3      2              4      3       2
     (x - 1) (x  - x + 1) (x  - 2 x  + 3 x - 1) (x  - 5 x  + 10 x  - 6 x + 1)


------------------------------------------------------------------------------

Sequence:  A116743
Score: 5.69052
Type of gen. func.: ogf


                            3      2                   2
                          (x  - 2 x  + 3 x - 1) (x - 1)
                  - ------------------------------------------
                      2            4      3       2
                    (x  - x + 1) (x  - 5 x  + 10 x  - 6 x + 1)


------------------------------------------------------------------------------

Sequence:  A116744
Score: 4.87490
Type of gen. func.: ogf


                     2              4      3       2
                   (x  - x + 1) (2 x  - 7 x  + 10 x  - 5 x + 1)
                 - --------------------------------------------
                         4      3      2                     3
                     (2 x  - 7 x  + 8 x  - 5 x + 1) (x - 1)


------------------------------------------------------------------------------

Sequence:  A116745
Score: 3.74872
Type of gen. func.: ogf


           8       7        6        5        4        3       2
       15 x  - 89 x  + 211 x  - 293 x  + 262 x  - 151 x  + 54 x  - 11 x + 1
     - --------------------------------------------------------------------
                                        4        5
                               (2 x - 1)  (x - 1)


------------------------------------------------------------------------------

Sequence:  A116746
Score: 5.16528
Type of gen. func.: lgdogf


       8       7        6       5        4        3       2               /
- (24 x  + 60 x  - 123 x  - 56 x  + 238 x  - 204 x  + 87 x  - 20 x + 2)  /  (
```

$$/ \; (x - 1) (-1 + 3 x) (2 x - 1) (x^2 + 2 x - 1) (4 x^4 + 5 x^3 - 12 x^2 + 6 x - 1))$$

Sequence: A116746
Score: 6.75377
Type of gen. func.: ogf

$$- \frac{4 x^4 + 5 x^3 - 12 x^2 + 6 x - 1}{(x - 1) (-1 + 3 x) (2 x - 1) (x^2 + 2 x - 1)}$$

Sequence: A116747
Score: 4.91916
Type of gen. func.: ogf

$$- \frac{2 x^6 - 12 x^5 + 24 x^4 - 31 x^3 + 21 x^2 - 7 x + 1}{(2 x - 1) (x^2 - 3 x + 1) (x - 1)^4}$$

Sequence: A116748
Score: 3.76921
Type of gen. func.: ogf

$$\frac{x^9 - 8 x^8 + 24 x^7 - 44 x^6 + 61 x^5 - 72 x^4 + 58 x^3 - 29 x^2 + 8 x - 1}{(2 x - 1) (x^3 - 2 x^2 + 3 x - 1) (x - 1)^5}$$

Sequence: A116749
Score: 3.64788
Type of gen. func.: ogf

$$(5 x^9 - 30 x^8 + 80 x^7 - 153 x^6 + 230 x^5 - 231 x^4 + 143 x^3 - 53 x^2 + 11 x - 1)$$

$$/ \; ((x^2 - 3 x + 1) (2 x - 1)^3 (x - 1)^4)$$

Sequence: A116750
Score: 4.04467
Type of gen. func.: ogf

$$\frac{x^8 - 5x^7 + 5x^6 + 8x^5 - 16x^4 + 14x^3 - 13x^2 + 5x - 1}{(x - 1)^7}$$

Sequence: A116750
Score: 5.46735
Type of gen. func.: lgdogf

$$\frac{x^8 - 8x^7 + 30x^6 - 46x^5 + 8x^4 + 8x^3 + 23x^2 - 4x + 2}{(x - 1)(x^8 - 5x^7 + 5x^6 + 8x^5 - 16x^4 + 14x^3 - 13x^2 + 5x - 1)}$$

Sequence: A116751
Score: 6.67494
Type of gen. func.: ogf

$$-\frac{(x - 1)^4}{x^5 - 6x^4 + 13x^3 - 12x^2 + 6x - 1}$$

Sequence: A116751
Score: 8.74991
Type of gen. func.: lgdogf

$$-\frac{x^5 - 5x^4 + 11x^3 - 15x^2 + 6x - 2}{(x - 1)(x^5 - 6x^4 + 13x^3 - 12x^2 + 6x - 1)}$$

Sequence: A116752
Score: 3.96368
Type of gen. func.: ogf

$$-\frac{5x^7 - 28x^6 + 64x^5 - 88x^4 + 73x^3 - 35x^2 + 9x - 1}{(x^2 - 3x + 1)(2x - 1)^2 (x - 1)^4}$$

Sequence: A116753
Score: 4.28125
Type of gen. func.: ogf

$$-\frac{8x^7-41x^6+84x^5-103x^4+79x^3-36x^2+9x-1}{(2x-1)^3(x-1)^5}$$

Sequence: A116753
Score: 5.26276
Type of gen. func.: lgdogf

$$-(16x^8-84x^7+161x^6-242x^5+267x^4-178x^3+69x^2-16x+2)\Big/\Big((x-1)(2x-1)(8x^7-41x^6+84x^5-103x^4+79x^3-36x^2+9x-1)\Big)$$

Sequence: A116754
Score: 6.83172
Type of gen. func.: ogf

$$\frac{x^6+2x^5-12x^4+25x^3-20x^2+7x-1}{(x-1)(2x-1)^4}$$

Sequence: A116754
Score: 7.04621
Type of gen. func.: lgdogf

$$\frac{(x^2-4x+2)(2x^5-x^4+10x^3-12x^2+4x-1)}{(x-1)(2x-1)(x^6+2x^5-12x^4+25x^3-20x^2+7x-1)}$$

Sequence: A116755
Score: 4.66377
Type of gen. func.: ogf

$$-\frac{x^6 - 4x^5 + 15x^4 - 14x^3 + 13x^2 - 5x + 1}{(x-1)^7}$$

Sequence: A116755
Score: 7.25316
Type of gen. func.: lgdogf

$$-\frac{x^6 - 2x^5 + 25x^4 + 4x^3 + 23x^2 - 4x + 2}{(x-1)(x^6 - 4x^5 + 15x^4 - 14x^3 + 13x^2 - 5x + 1)}$$

Sequence: A116756
Score: 5.11971
Type of gen. func.: ogf

$$\frac{9x^6 - 24x^5 - 23x^4 - 8x^3 - 3x^2 + x - 1}{(x-1)^3}$$

Sequence: A116756
Score: 5.43410
Type of gen. func.: lgdogf

$$\frac{27x^6 - 102x^5 + 97x^4 + 92x^3 + 27x^2 + 4x + 2}{(x-1)(9x^6 - 24x^5 - 23x^4 - 8x^3 - 3x^2 + x - 1)}$$

Sequence: A116757
Score: 6.68512
Type of gen. func.: ogf

$$-\frac{8x^5 - 22x^4 + 30x^3 - 21x^2 + 7x - 1}{(2x-1)^3 (x-1)^3}$$

Sequence: A116757
Score: 7.13019
Type of gen. func.: lgdogf

$$-\frac{16 x^6 - 40 x^5 + 74 x^4 - 80 x^3 + 43 x^2 - 12 x + 2}{(x - 1) (2 x - 1) (8 x^5 - 22 x^4 + 30 x^3 - 21 x^2 + 7 x - 1)}$$

Sequence: A116758
Score: 4.81196
Type of gen. func.: ogf

$$-\frac{x^7 - 4 x^6 + 4 x^5 - 4 x^4 + 13 x^3 - 14 x^2 + 6 x - 1}{(x - 1)^2 (x^2 - 3 x + 1)^2}$$

Sequence: A116759
Score: 4.56070
Type of gen. func.: ogf

$$-\frac{x^6 - 8 x^5 + 15 x^4 - 14 x^3 + 13 x^2 - 5 x + 1}{(x - 1)^7}$$

Sequence: A116759
Score: 7.08925
Type of gen. func.: lgdogf

$$-\frac{x^6 - 10 x^5 + 5 x^4 + 4 x^3 + 23 x^2 - 4 x + 2}{(x - 1) (x^6 - 8 x^5 + 15 x^4 - 14 x^3 + 13 x^2 - 5 x + 1)}$$

Sequence: A116760
Score: 7.13854
Type of gen. func.: ogf

$$\frac{9 x^3 - 13 x^2 + 6 x - 1}{(2 x - 1) (x^2 - 3 x + 1)^2}$$

Sequence: A116760
Score: 7.87718
Type of gen. func.: lgdogf

$$-\frac{36 x^5 - 87 x^4 + 89 x^3 - 47 x^2 + 14 x - 2}{(2 x - 1) (9 x^3 - 13 x^2 + 6 x - 1) (x^2 - 3 x + 1)}$$

Sequence: A116761
Score: 6.08924
Type of gen. func.: ogf

$$\frac{2 x^6 - 8 x^5 + 20 x^4 - 30 x^3 + 21 x^2 - 7 x + 1}{(2 x - 1)^3 (x - 1)^3}$$

Sequence: A116761
Score: 7.00671
Type of gen. func.: lgdogf

$$-\frac{2 x^6 + 20 x^5 - 80 x^4 + 88 x^3 - 43 x^2 + 12 x - 2}{(x - 1) (2 x - 1) (2 x^6 - 8 x^5 + 20 x^4 - 30 x^3 + 21 x^2 - 7 x + 1)}$$

Sequence: A116762
Score: 3.88086
Type of gen. func.: ogf

$$\frac{x^9 - 4 x^8 + 3 x^7 + x^6 + 8 x^5 - 17 x^4 + 14 x^3 - 13 x^2 + 5 x - 1}{(x - 1)^7}$$

Sequence: A116763
Score: 5.41483
Type of gen. func.: ogf

```
                    6       5       4       3       2
```

$$\frac{2 x - 18 x + 39 x - 45 x + 27 x - 8 x + 1}{(x - 1)^{2} (2 x - 1)^{4}}$$

Sequence: A116763
Score: 6.73038
Type of gen. func.: lgdogf

$$\frac{20 x^{6} - 54 x^{5} + 102 x^{4} - 105 x^{3} + 53 x^{2} - 14 x + 2}{(x - 1) (2 x - 1) (2 x^{6} - 18 x^{5} + 39 x^{4} - 45 x^{3} + 27 x^{2} - 8 x + 1)}$$

Sequence: A116764
Score: 4.38125
Type of gen. func.: ogf

$$(1618 f(x) + 201) (9 f(x) x^{4} - 19 f(x) x^{3} + 17 f(x) x^{2} + 6 x^{3} - 7 f(x) x - 9 x^{2}$$

$$+ f(x) + 5 x - 1)$$

Sequence: A116764
Score: 6.18025
Type of gen. func.: lgdogf

$$- \frac{54 x^{6} - 162 x^{5} + 204 x^{4} - 142 x^{3} + 61 x^{2} - 16 x + 2}{(2 x - 1) (27 x^{6} - 84 x^{5} + 117 x^{4} - 91 x^{3} + 41 x^{2} - 10 x + 1)}$$

Sequence: A116764
Score: 7.98608
Type of gen. func.: ogf

$$- \frac{(2 x - 1) (3 x^{2} - 3 x + 1)}{9 x^{4} - 19 x^{3} + 17 x^{2} - 7 x + 1}$$

Sequence: A116765
Score: 4.67665
Type of gen. func.: ogf

$$-\frac{3x^6+6x^5-9x^4+5x^3-9x^2+4x-1}{(x-1)^6}$$

Sequence: A116765
Score: 6.76041
Type of gen. func.: lgdogf

$$-\frac{24x^5+12x^4-21x^3-21x^2+2x-2}{(x-1)(3x^6+6x^5-9x^4+5x^3-9x^2+4x-1)}$$

Sequence: A116766
Score: 4.30464
Type of gen. func.: ogf

$$-\frac{6x^8-7x^7-7x^6+4x^5+11x^4+x^3+6x^2-3x+1}{(x-1)^5}$$

Sequence: A116767
Score: 4.02169
Type of gen. func.: ogf

$$-\frac{2x^8-3x^7+x^6-9x^5+15x^4-14x^3+13x^2-5x+1}{(x-1)^7}$$

Sequence: A116767
Score: 5.53910
Type of gen. func.: lgdogf

$$\frac{2x^8-16x^7+20x^6+12x^5-4x^3-23x^2+4x-2}{(x-1)(2x^8-3x^7+x^6-9x^5+15x^4-14x^3+13x^2-5x+1)}$$

Sequence: A116768
Score: 6.15638
Type of gen. func.: lgdogf

$$-\frac{6 x^7 - 18 x^6 + 45 x^5 - 107 x^4 + 107 x^3 - 51 x^2 + 14 x - 2}{(x - 1) (2 x - 1) (x^2 - 3 x + 1) (3 x^4 - 6 x^3 + 10 x^2 - 5 x + 1)}$$

Sequence: A116768
Score: 7.94961
Type of gen. func.: ogf

$$-\frac{3 x^4 - 6 x^3 + 10 x^2 - 5 x + 1}{(2 x - 1) (x^2 - 3 x + 1) (x - 1)^2}$$

Sequence: A116769
Score: 4.35749
Type of gen. func.: ogf

$$-\frac{3 x^7 - 20 x^6 + 54 x^5 - 71 x^4 + 57 x^3 - 29 x^2 + 8 x - 1}{(2 x - 1)^2 (x - 1)^6}$$

Sequence: A116769
Score: 5.37452
Type of gen. func.: lgdogf

$$-(6 x^8 - 47 x^7 + 143 x^6 - 178 x^5 + 158 x^4 - 121 x^3 + 57 x^2 - 14 x + 2) \Big/ \Big((x - 1) (2 x - 1) (3 x^7 - 20 x^6 + 54 x^5 - 71 x^4 + 57 x^3 - 29 x^2 + 8 x - 1)\Big)$$

Sequence: A116770
Score: 5.38483
Type of gen. func.: ogf

$$\frac{3 x^6 - 12 x^5 + 22 x^4 - 30 x^3 + 21 x^2 - 7 x + 1}{{}^{3} \qquad {}^{3}}$$

$$(2 x - 1)\ (x - 1)$$

Sequence: A116770
Score: 6.66440
Type of gen. func.: lgdogf

$$- \frac{3 x^{6} - 2 x^{5} - 54 x^{4} + 80 x^{3} - 43 x^{2} + 12 x - 2}{(x - 1) (2 x - 1) (3 x^{6} - 12 x^{5} + 22 x^{4} - 30 x^{3} + 21 x^{2} - 7 x + 1)}$$

Sequence: A116771
Score: 3.81098
Type of gen. func.: ogf

$$- \frac{x^{9} - 3 x^{8} + 3 x^{7} - 4 x^{6} + 19 x^{5} - 32 x^{4} + 27 x^{3} - 18 x^{2} + 6 x - 1}{(x - 1)^{8}}$$

Sequence: A116771
Score: 5.07392
Type of gen. func.: lgdogf

$$(x^{9} - 9 x^{8} + 21 x^{7} - 13 x^{6} - 33 x^{5} + 33 x^{4} - 7 x^{3} + 27 x^{2} - 6 x + 2) \Big/ \Big((x - 1) (x^{9} - 3 x^{8} + 3 x^{7} - 4 x^{6} + 19 x^{5} - 32 x^{4} + 27 x^{3} - 18 x^{2} + 6 x - 1)\Big)$$

Sequence: A116772
Score: 5.01841
Type of gen. func.: lgdogf

$$- (17 x^{8} - 74 x^{7} + 167 x^{6} - 234 x^{5} + 221 x^{4} - 142 x^{3} + 61 x^{2} - 16 x + 2) \Big/ \Big((x - 1) (x^{4} + 3 x^{3} - 5 x^{2} + 4 x - 1) (2 x^{5} - 13 x^{4} + 21 x^{3} - 17 x^{2} + 7 x - 1)\Big)$$

Sequence: A116772
Score: 6.25206
Type of gen. func.: ogf

$$-\frac{(x-1)(x^{4}+3x^{3}-5x^{2}+4x-1)}{2x^{5}-13x^{4}+21x^{3}-17x^{2}+7x-1}$$

Sequence: A116773
Score: 5.36463
Type of gen. func.: ogf

$$-\frac{4x^{5}-15x^{4}+26x^{3}-20x^{2}+7x-1}{(x^{2}-3x+1)(2x-1)^{2}(x-1)^{2}}$$

Sequence: A116774
Score: 4.56070
Type of gen. func.: ogf

$$-\frac{x^{6}-5x^{5}+13x^{4}-14x^{3}+13x^{2}-5x+1}{(x-1)^{7}}$$

Sequence: A116774
Score: 7.08925
Type of gen. func.: lgdogf

$$-\frac{x^{6}-4x^{5}+14x^{4}-4x^{3}+23x^{2}-4x+2}{(x-1)(x^{6}-5x^{5}+13x^{4}-14x^{3}+13x^{2}-5x+1)}$$

Sequence: A116775
Score: 5.69851
Type of gen. func.: lgdogf

$$\frac{8x^{8}-52x^{7}+100x^{6}-5x^{5}+7x^{4}-57x^{3}+35x^{2}-10x+2}{{}^{7}\quad{}^{6}\quad{}^{5}\quad{}^{4}\quad{}^{3}\quad{}^{2}}$$

$$(x - 1) (2 x - 1) (4 x - 5 x - 11 x + 13 x - 19 x + 16 x - 6 x + 1)$$

Sequence: A116775
Score: 5.83520
Type of gen. func.: ogf

$$\frac{4 x^7 - 5 x^6 - 11 x^5 + 13 x^4 - 19 x^3 + 16 x^2 - 6 x + 1}{(2 x - 1)^2 (x - 1)^4}$$

Sequence: A116776
Score: 5.38879
Type of gen. func.: ogf

$$\frac{x^6 - 14 x^5 + 37 x^4 - 45 x^3 + 27 x^2 - 8 x + 1}{(x - 1)^2 (2 x - 1)^4}$$

Sequence: A116776
Score: 6.83269
Type of gen. func.: lgdogf

$$\frac{20 x^6 - 72 x^5 + 126 x^4 - 113 x^3 + 53 x^2 - 14 x + 2}{(x - 1) (2 x - 1) (x^6 - 14 x^5 + 37 x^4 - 45 x^3 + 27 x^2 - 8 x + 1)}$$

Sequence: A116777
Score: 5.16528
Type of gen. func.: lgdogf

$$- (9 x^8 - 54 x^7 + 183 x^6 - 370 x^5 + 397 x^4 - 244 x^3 + 91 x^2 - 20 x + 2) \Big/ ($$

$$(x - 1) (-1 + 3 x) (x^2 - 3 x + 1) (3 x^5 - 12 x^4 + 23 x^3 - 19 x^2 + 7 x - 1))$$

Sequence: A116777
Score: 5.58933
Type of gen. func.: ogf

$$-\frac{3x^5 - 12x^4 + 23x^3 - 19x^2 + 7x - 1}{(-1 + 3x)(x^2 - 3x + 1)(x - 1)^3}$$

Sequence: A116778
Score: 5.40232
Type of gen. func.: lgdogf

$$-\frac{9x^8 - 36x^7 + 60x^6 - 94x^5 + 108x^4 - 92x^3 + 43x^2 - 12x + 2}{(x - 1)(-1 + 3x)(x^2 - x + 1)(3x^5 - 9x^4 + 11x^3 - 11x^2 + 5x - 1)}$$

Sequence: A116778
Score: 5.60960
Type of gen. func.: ogf

$$-\frac{3x^5 - 9x^4 + 11x^3 - 11x^2 + 5x - 1}{(-1 + 3x)(x^2 - x + 1)(x - 1)^3}$$

Sequence: A116779
Score: 6.61802
Type of gen. func.: lgdogf

$$-\frac{x^7 - 3x^6 + 14x^5 - 38x^4 + 51x^3 - 29x^2 + 10x - 2}{(x - 1)(x^3 - 3x^2 + 4x - 1)(x^4 - 2x^3 + 6x^2 - 4x + 1)}$$

Sequence: A116779
Score: 6.82486
Type of gen. func.: ogf

$$-\frac{x^4 - 2x^3 + 6x^2 - 4x + 1}{(x^3 - 3x^2 + 4x - 1)(x - 1)^2}$$

Sequence: A116780
Score: 5.68739
Type of gen. func.: ogf

$$-\frac{2x^5-6x^4+10x^3-11x^2+5x-1}{2x^6-8x^5+19x^4-27x^3+19x^2-7x+1}$$

Sequence: A116781
Score: 7.78236
Type of gen. func.: lgdogf

$$-\frac{4x^7+6x^6+8x^5-11x^4+2x^3+5x^2+2}{(2x^5-2x^3-x^2-3x+1)(x^3+x^2+x-1)}$$

Sequence: A116781
Score: 8.15171
Type of gen. func.: ogf

$$-\frac{x^3+x^2+x-1}{2x^5-2x^3-x^2-3x+1}$$

Sequence: A116782
Score: 4.36532
Type of gen. func.: ogf

$$-(293 f(x)+122)(2 f(x) x^4-9 f(x) x^3+11 f(x) x^2+2x^3-6 f(x) x-5x^2+f(x)+4x-1)$$

Sequence: A116782
Score: 8.00593
Type of gen. func.: lgdogf

$$-\frac{4x^5-16x^4+31x^3-25x^2+10x-2}{(x-1)(2x-1)(2x^4-9x^3+11x^2-6x+1)}$$

Sequence: A116782
Score: 8.17100
Type of gen. func.: ogf

$$-\frac{(2x-1)(x-1)^2}{2x^4-9x^3+11x^2-6x+1}$$

Sequence: A116783
Score: 4.76683
Type of gen. func.: ogf

$$-\frac{3x^6+x^5+17x^4-14x^3+13x^2-5x+1}{(x-1)^7}$$

Sequence: A116783
Score: 7.07606
Type of gen. func.: lgdogf

$$-\frac{3x^6+20x^5+56x^4+12x^3+23x^2-4x+2}{(x-1)(3x^6+x^5+17x^4-14x^3+13x^2-5x+1)}$$

Sequence: A116784
Score: 4.97838
Type of gen. func.: ogf

$$-\frac{3x^6+4x^5-27x^4+40x^3-26x^2+8x-1}{(x-1)(x^2-3x+1)(2x-1)^3}$$

Sequence: A116785
Score: 4.23143
Type of gen. func.: ogf

$$-\frac{3x^7-15x^6+34x^5-54x^4+52x^3-28x^2+8x-1}{}$$

$$(2x-1)(x^2-3x+1)(x-1)^5$$

Sequence: A116786
Score: 5.17237
Type of gen. func.: ogf

$$-\frac{6x^6-22x^5+35x^4-36x^3+22x^2-7x+1}{(2x-1)(3x^3-5x^2+4x-1)(x-1)^3}$$

Sequence: A116787
Score: 4.00223
Type of gen. func.: ogf

$$-\frac{x^8-x^7+2x^6+2x^5-7x^4+17x^3-15x^2+6x-1}{x^9-2x^8+6x^7-4x^6-7x^5+32x^4-40x^3+25x^2-8x+1}$$

Sequence: A116788
Score: 5.43814
Type of gen. func.: lgdogf

$$-\frac{4x^8-28x^7+89x^6-174x^5+219x^4-158x^3+65x^2-16x+2}{(x-1)(2x-1)(x^2-3x+1)(2x^5-9x^4+16x^3-15x^2+6x-1)}$$

Sequence: A116788
Score: 5.78922
Type of gen. func.: ogf

$$-\frac{2x^5-9x^4+16x^3-15x^2+6x-1}{(2x-1)(x^2-3x+1)(x-1)^3}$$

Sequence: A116789
Score: 4.69525
Type of gen. func.: ogf

$$-\frac{4x^7+4x^6+11x^5+8x^4+4x^3+4x^2-3x+1}{(x^2+x-1)(x^3+x^2+x-1)(x-1)^3}$$

Sequence: A116790
Score: 7.38449
Type of gen. func.: ogf

$$-\frac{(x-1)^3}{x^5+x^4-6x^3+7x^2-5x+1}$$

Sequence: A116790
Score: 9.17621
Type of gen. func.: lgdogf

$$-\frac{2x^5-4x^4-4x^3+11x^2-4x+2}{(x-1)(x^5+x^4-6x^3+7x^2-5x+1)}$$

Sequence: A116791
Score: 4.12679
Type of gen. func.: ogf

$$-\frac{x^7-6x^6+20x^5-30x^4+27x^3-18x^2+6x-1}{(x-1)^8}$$

Sequence: A116791
Score: 6.11529
Type of gen. func.: lgdogf

$$-\frac{x^7-5x^6+24x^5-20x^4+15x^3-27x^2+6x-2}{(x-1)(x^7-6x^6+20x^5-30x^4+27x^3-18x^2+6x-1)}$$

Sequence: A116792
Score: 4.05327
Type of gen. func.: ogf

$$\frac{x^9 - 4 x^8 + 3 x^7 + 5 x^6 - 9 x^5 + 2 x^4 - 6 x^3 + 10 x^2 - 5 x + 1}{(x^2 - 3 x + 1) (x^3 + x^2 + x - 1) (x - 1)^3}$$

Sequence: A116793
Score: 5.50136
Type of gen. func.: lgdogf

$$- \frac{x^8 - 4 x^7 + 13 x^6 - 28 x^5 + 65 x^4 - 72 x^3 + 39 x^2 - 12 x + 2}{(x^4 - 2 x^3 + 6 x^2 - 4 x + 1) (x^5 - 3 x^4 + 11 x^3 - 12 x^2 + 6 x - 1)}$$

Sequence: A116793
Score: 6.50553
Type of gen. func.: ogf

$$- \frac{x^4 - 2 x^3 + 6 x^2 - 4 x + 1}{x^5 - 3 x^4 + 11 x^3 - 12 x^2 + 6 x - 1}$$

Sequence: A116794
Score: 4.44712
Type of gen. func.: ogf

$$- \frac{2 x^8 - 4 x^6 + 11 x^5 - x^4 + 6 x^3 - 10 x^2 + 5 x - 1}{(x^2 - 3 x + 1) (x^3 + x^2 + x - 1) (x - 1)^3}$$

Sequence: A116795
Score: 3.95104
Type of gen. func.: ogf

$$\frac{x^7 - 5 x^6 + 8 x^5 - 9 x^4 + 17 x^3 - 15 x^2 + 6 x - 1}{(x^2 + 1) (x^2 - 3 x + 1) (x^3 - x^2 - 2 x + 1) (x - 1)^3}$$

Sequence: A116796
Score: 8.25385
Type of gen. func.: lgdogf

$$-\frac{8 x^5 - 31 x^4 + 45 x^3 - 29 x^2 + 10 x - 2}{(x - 1) (x^2 - 3 x + 1) (4 x^3 - 9 x^2 + 5 x - 1)}$$

Sequence: A116796
Score: 8.46455
Type of gen. func.: ogf

$$\frac{4 x^3 - 9 x^2 + 5 x - 1}{(x - 1) (x^2 - 3 x + 1)^2}$$

Sequence: A116797
Score: 5.84110
Type of gen. func.: ogf

$$-\frac{3 x^5 - 4 x^4 + 4 x^3 - 7 x^2 + 4 x - 1}{4 x^6 - 7 x^5 + 9 x^4 - 15 x^3 + 13 x^2 - 6 x + 1}$$

Sequence: A116798
Score: 5.37014
Type of gen. func.: ogf

$$-(2 f(x) + 1) (3 f(x) x^4 - 11 f(x) x^3 + 15 f(x) x^2 + 2 x^3 - 7 f(x) x - 7 x^2 + f(x) + 5 x - 1)$$

Sequence: A116798
Score: 7.00372
Type of gen. func.: lgdogf

$$-\frac{6 x^6 - 42 x^5 + 92 x^4 - 94 x^3 + 53 x^2 - 16 x + 2}{}$$

$$(2 x - 1) (x^2 - 3 x + 1) (3 x^4 - 11 x^3 + 15 x^2 - 7 x + 1)$$

Sequence: A116798
Score: 9.72065
Type of gen. func.: ogf

$$- \frac{(2 x - 1) (x^2 - 3 x + 1)}{3 x^4 - 11 x^3 + 15 x^2 - 7 x + 1}$$

Sequence: A116800
Score: 7.44013
Type of gen. func.: ogf

$$\frac{x^5 - 3 x^4 + 7 x^3 - 10 x^2 + 5 x - 1}{(x^2 - 3 x + 1) (3 x^3 - 5 x^2 + 4 x - 1)}$$

Sequence: A116801
Score: 4.47146
Type of gen. func.: ogf

$$- \frac{x^7 - x^6 + 3 x^5 - 3 x^4 + 9 x^3 - 10 x^2 + 5 x - 1}{x^8 - x^7 + 4 x^6 - 7 x^5 + 19 x^4 - 24 x^3 + 18 x^2 - 7 x + 1}$$

Sequence: A116802
Score: 4.70615
Type of gen. func.: ogf

$$- \frac{2 x^6 - 10 x^5 + 31 x^4 - 41 x^3 + 26 x^2 - 8 x + 1}{(2 x - 1) (x - 1)^2 (x^2 - 3 x + 1)^2}$$

Sequence: A116803
Score: 4.39726
Type of gen. func.: ogf

$$-\frac{3x^7-7x^6-3x^5+17x^4-14x^3+13x^2-5x+1}{(x-1)^7}$$

Sequence: A116803
Score: 6.27096
Type of gen. func.: lgdogf

$$-\frac{14x^6-48x^5+36x^4+12x^3+23x^2-4x+2}{(x-1)(3x^7-7x^6-3x^5+17x^4-14x^3+13x^2-5x+1)}$$

Sequence: A116804
Score: 4.41093
Type of gen. func.: ogf

$$-\frac{5x^8-2x^7-x^6+9x^5+10x^4+x^3+6x^2-3x+1}{(x-1)^5}$$

Sequence: A116804
Score: 5.24757
Type of gen. func.: lgdogf

$$\frac{15x^8-44x^7+13x^6+6x^5-55x^4-42x^3-21x^2-2}{(x-1)(5x^8-2x^7-x^6+9x^5+10x^4+x^3+6x^2-3x+1)}$$

Sequence: A116805
Score: 5.45810
Type of gen. func.: ogf

$$-\frac{(2x-1)(x^4-3x^3+6x^2-4x+1)}{(2x^2-4x+1)(x-1)^4}$$

Sequence: A116805
Score: 5.91160
Type of gen. func.: lgdogf

$$-\frac{4x^7-16x^6+56x^5-108x^4+95x^3-47x^2+14x-2}{(x-1)(2x-1)(2x^2-4x+1)(x^4-3x^3+6x^2-4x+1)}$$

Sequence: A116806
Score: 5.30005
Type of gen. func.: ogf

$$-\frac{4x^5-13x^4+23x^3-19x^2+7x-1}{(x-1)(x^3-3x^2+4x-1)(2x-1)^2}$$

Sequence: A116807
Score: 5.99244
Type of gen. func.: ogf

$$-\frac{x^8-2x^7-x^6+4x^5-x^4-6x^2+4x-1}{(2x-1)(x-1)(x^2-3x+1)}$$

Sequence: A116808
Score: 3.96860
Type of gen. func.: ogf

$$-\frac{5x^8-12x^7+3x^6+11x^5-26x^4+34x^3-22x^2+7x-1}{(2x-1)(x^2+x-1)(x-1)^6}$$

Sequence: A116809
Score: 6.70882
Type of gen. func.: ogf

$$-\frac{(x-1)^4}{x^5-5x^4+13x^3-12x^2+6x-1}$$

Sequence: A116809
Score: 8.92090
Type of gen. func.: lgdogf

$$-\frac{x^5 - 5x^4 + 7x^3 - 15x^2 + 6x - 2}{(x - 1)(x^5 - 5x^4 + 13x^3 - 12x^2 + 6x - 1)}$$

Sequence: A116810
Score: 3.34528
Type of gen. func.: ogf

$$-\frac{x^9 - 11x^8 + 47x^7 - 109x^6 + 162x^5 - 165x^4 + 109x^3 - 44x^2 + 10x - 1}{(x^2 - 3x + 1)^2 (x - 1)^6}$$

Sequence: A116812
Score: 3.78832
Type of gen. func.: ogf

$$\frac{x^9 - 2x^8 - 10x^7 + 35x^6 - 64x^5 + 75x^4 - 59x^3 + 29x^2 - 8x + 1}{(x - 1)^2 (3x^3 - 5x^2 + 4x - 1)^2}$$

Sequence: A116814
Score: 3.47410
Type of gen. func.: ogf

$$-\frac{4x^8 - 35x^7 + 114x^6 - 197x^5 + 208x^4 - 135x^3 + 52x^2 - 11x + 1}{(2x - 1)^2 (x^2 - 3x + 1)^2 (x - 1)^3}$$

Sequence: A116815
Score: 4.14899
Type of gen. func.: ogf

$$2x^{10} + 4x^9 + 9x^8 + 9x^7 + 4x^6 - 18x^5 - 15x^4 - 5x^3 - x^2 + x - 1$$

$$\overline{(x - 1) (x^3 + x^2 + x - 1) (x^5 + 3 x^4 + 2 x^3 + x^2 + x - 1)}$$

Sequence: A116816
Score: 5.60960
Type of gen. func.: ogf

$$- \frac{2 x^5 - 9 x^4 + 14 x^3 - 14 x^2 + 6 x - 1}{(x - 1) (2 x^3 - 4 x^2 + 4 x - 1) (x^2 - 3 x + 1)}$$

Sequence: A116817
Score: 5.76969
Type of gen. func.: lgdogf

$$- \frac{x^8 - 4 x^7 - 3 x^6 + 20 x^5 + 9 x^4 - 40 x^3 + 31 x^2 - 12 x + 2}{(x - 1) (x^4 - 2 x^3 - 5 x^2 + 5 x - 1) (x^4 - 2 x^3 - 4 x^2 + 4 x - 1)}$$

Sequence: A116817
Score: 6.64322
Type of gen. func.: ogf

$$- \frac{x^4 - 2 x^3 - 4 x^2 + 4 x - 1}{(x - 1) (x^4 - 2 x^3 - 5 x^2 + 5 x - 1)}$$

Sequence: A116818
Score: 4.34723
Type of gen. func.: ogf

$$- \frac{2 x^7 - 11 x^6 + 16 x^5 - 33 x^4 + 27 x^3 - 18 x^2 + 6 x - 1}{(x - 1)^8}$$

Sequence: A116818
Score: 6.24104
Type of gen. func.: lgdogf

$$-\frac{2x^7-8x^6-18x^5-52x^4+3x^3-27x^2+6x-2}{(x-1)(2x^7-11x^6+16x^5-33x^4+27x^3-18x^2+6x-1)}$$

Sequence: A116819
Score: 4.4036
Type of gen. func.: ogf

$$(1307 f(x)+462)(3 f(x) x^4-14 f(x) x^3+16 f(x) x^2+3x^3-7 f(x) x-8x^2+f(x)+5x-1)$$

Sequence: A116819
Score: 6.68004
Type of gen. func.: lgdogf

$$-\frac{9x^6-48x^5+109x^4-110x^3+57x^2-16x+2}{(3x^3-8x^2+5x-1)(3x^4-14x^3+16x^2-7x+1)}$$

Sequence: A116819
Score: 8.02682
Type of gen. func.: ogf

$$-\frac{3x^3-8x^2+5x-1}{3x^4-14x^3+16x^2-7x+1}$$

Sequence: A116820
Score: 5.22724
Type of gen. func.: lgdogf

$$-\frac{x^8-20x^7+150x^6-342x^5+380x^4-240x^3+91x^2-20x+2}{(x-1)(x^4-13x^3+16x^2-7x+1)(x^4-10x^3+13x^2-6x+1)}$$

Sequence: A116820
Score: 7.53335
Type of gen. func.: ogf

$$-\frac{x^4 - 10 x^3 + 13 x^2 - 6 x + 1}{(x - 1) (x^4 - 13 x^3 + 16 x^2 - 7 x + 1)}$$

Sequence: A116821
Score: 5.60529
Type of gen. func.: ogf

$$-\frac{x^6 - 10 x^4 + 17 x^3 - 14 x^2 + 6 x - 1}{2 x^6 - 14 x^5 + 34 x^4 - 38 x^3 + 24 x^2 - 8 x + 1}$$

Sequence: A116822
Score: 4.32241
Type of gen. func.: ogf

$$-\frac{x^7 - 3 x^6 + 12 x^5 - 18 x^4 + 22 x^3 - 16 x^2 + 6 x - 1}{x^8 - 4 x^7 + 18 x^6 - 35 x^5 + 51 x^4 - 47 x^3 + 26 x^2 - 8 x + 1}$$

Sequence: A116823
Score: 4.29183
Type of gen. func.: ogf

$$-(262 f(x) + 117) \left(2 f(x) x^4 - 10 f(x) x^3 + 15 f(x) x^2 + x^3 - 7 f(x) x - 7 x^2 + f(x) + 5 x - 1 \right)$$

Sequence: A116823
Score: 7.10374
Type of gen. func.: lgdogf

$$-\frac{2 x^6 - 28 x^5 + 85 x^4 - 94 x^3 + 53 x^2 - 16 x + 2}{(x^2 - 3 x + 1) (2 x^2 - 4 x + 1) (x^3 - 7 x^2 + 5 x - 1)}$$

Sequence: A116823
Score: 7.98608
Type of gen. func.: ogf

$$-\frac{x^3 - 7 x^2 + 5 x - 1}{(x^2 - 3 x + 1) (2 x^2 - 4 x + 1)}$$

Sequence: A116824
Score: 4.71530
Type of gen. func.: ogf

$$-\frac{4 x^6 - 2 x^5 + 17 x^4 - 14 x^3 + 13 x^2 - 5 x + 1}{(x - 1)^7}$$

Sequence: A116824
Score: 6.84062
Type of gen. func.: lgdogf

$$-\frac{4 x^6 + 20 x^5 + 41 x^4 + 12 x^3 + 23 x^2 - 4 x + 2}{(x - 1) (4 x^6 - 2 x^5 + 17 x^4 - 14 x^3 + 13 x^2 - 5 x + 1)}$$

Sequence: A116825
Score: 5.70500
Type of gen. func.: ogf

$$\frac{2 x^9 - 16 x^8 + 15 x^7 + 13 x^6 - 8 x^5 - 11 x^4 - x^3 - 6 x^2 + 3 x - 1}{(x - 1)^5}$$

Sequence: A116826
Score: 5.19177
Type of gen. func.: lgdogf

8 7 6 5 4 3 2

$$-\frac{16 x - 56 x + 145 x - 250 x + 263 x - 166 x + 65 x - 16 x + 2}{(x-1)(4x^3-7x^2+5x-1)(4x^5-11x^4+18x^3-15x^2+6x-1)}$$

Sequence: A116826
Score: 5.61741
Type of gen. func.: ogf

$$-\frac{4x^5-11x^4+18x^3-15x^2+6x-1}{(4x^3-7x^2+5x-1)(x-1)^3}$$

Sequence: A116827
Score: 3.45721
Type of gen. func.: ogf

$$-\frac{4x^8-33x^7+91x^6-151x^5+161x^4-108x^3+44x^2-10x+1}{(x^2-3x+1)(2x-1)^2(x-1)^5}$$

Sequence: A116828
Score: 3.57445
Type of gen. func.: ogf

$$-\frac{x^8+2x^7-18x^6+47x^5-65x^4+55x^3-28x^2+8x-1}{x^9+2x^8-27x^7+86x^6-144x^5+150x^4-100x^3+42x^2-10x+1}$$

Sequence: A116829
Score: 3.94626
Type of gen. func.: ogf

$$\frac{x^9-5x^8+6x^7+x^6+2x^5-17x^4+14x^3-13x^2+5x-1}{(x-1)^7}$$

Sequence: A116830
Score: 5.53923

Type of gen. func.: ogf

$$\frac{2 x^6 + 3 x^5 + 4 x^4 + 2 x^3 - 9 x^2 + 5 x - 1}{(2 x - 1) (x - 1) (x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A116831
Score: 3.98332
Type of gen. func.: ogf

$$- \frac{x^8 - 9 x^7 + 31 x^6 - 62 x^5 + 74 x^4 - 58 x^3 + 29 x^2 - 8 x + 1}{(2 x - 1) (x^3 - 2 x^2 + 3 x - 1) (x - 1)^5}$$

Sequence: A116832
Score: 5.07298
Type of gen. func.: lgdogf

$$(2 x^9 - 13 x^8 + 32 x^7 - 27 x^6 - 22 x^5 - 7 x^4 - 23 x^2 + 4 x - 2) / ((x - 1) (x^9 - 4 x^8 + 3 x^7 + 6 x^6 - 7 x^5 + 14 x^4 - 14 x^3 + 13 x^2 - 5 x + 1))$$

Sequence: A116832
Score: 5.08233
Type of gen. func.: ogf

$$- \frac{x^9 - 4 x^8 + 3 x^7 + 6 x^6 - 7 x^5 + 14 x^4 - 14 x^3 + 13 x^2 - 5 x + 1}{(x - 1)^7}$$

Sequence: A116833
Score: 5.40413
Type of gen. func.: ogf

$$- \frac{2 x^7 - 8 x^6 + 19 x^5 - 29 x^4 + 27 x^3 - 18 x^2 + 6 x - 1}{(x - 1)^8}$$

Sequence: A116833
Score: 5.96877
Type of gen. func.: lgdogf

$$-\frac{2 x^7 - 2 x^6 + 9 x^5 - 21 x^4 + 19 x^3 - 27 x^2 + 6 x - 2}{(x - 1) (2 x^7 - 8 x^6 + 19 x^5 - 29 x^4 + 27 x^3 - 18 x^2 + 6 x - 1)}$$

Sequence: A116834
Score: 5.08675
Type of gen. func.: ogf

$$-\frac{x^6 + 16 x^5 + 13 x^4 + x^3 + 6 x^2 - 3 x + 1}{(x - 1)^5}$$

Sequence: A116834
Score: 7.28829
Type of gen. func.: lgdogf

$$\frac{x^6 - 6 x^5 - 93 x^4 - 54 x^3 - 21 x^2 - 2}{(x - 1) (x^6 + 16 x^5 + 13 x^4 + x^3 + 6 x^2 - 3 x + 1)}$$

Sequence: A116836
Score: 3.95343
Type of gen. func.: ogf

$$-\frac{2 x^8 - 7 x^7 + 7 x^6 - 8 x^5 + 8 x^4 - 12 x^3 + 11 x^2 - 5 x + 1}{2 x^9 - 7 x^8 + 7 x^7 - 10 x^6 + 16 x^5 - 27 x^4 + 29 x^3 - 19 x^2 + 7 x - 1}$$

Sequence: A116837
Score: 10.6731
Type of gen. func.: lgdogf

$$-\frac{2 x^4 - 8 x^3 + 11 x^2 - 4 x + 2}{}$$

$$(x - 1) (x^2 - x + 1) (2 x^2 - 4 x + 1)$$

Sequence: A116837
Score: 4.43745
Type of gen. func.: ogf

$$(154 f(x) + 17)$$

$$(2 f(x) x^4 - 6 f(x) x^3 + 7 f(x) x^2 + x^3 - 5 f(x) x - 3 x^2 + f(x) + 3 x - 1)$$

Sequence: A116837
Score: 8.06810
Type of gen. func.: ogf

$$-\frac{(x - 1)^3}{(x^2 - x + 1) (2 x^2 - 4 x + 1)}$$

Sequence: A116838
Score: 3.31009
Type of gen. func.: ogf

$$\frac{x^9 - 8 x^8 + 34 x^7 - 97 x^6 + 183 x^5 - 205 x^4 + 135 x^3 - 52 x^2 + 11 x - 1}{(2 x - 1)^2 (x^2 - 3 x + 1)^2 (x - 1)^3}$$

Sequence: A116839
Score: 3.60845
Type of gen. func.: ogf

$$\frac{2 x^{10} - x^9 - 11 x^8 + 6 x^7 + 7 x^6 - 20 x^5 + 8 x^4 + 18 x^3 - 19 x^2 + 7 x - 1}{(2 x - 1) (x^2 + 2 x - 1) (x^2 + x - 1)^2 (x - 1)^3}$$

Sequence: A116840
Score: 3.81777
Type of gen. func.: ogf

$$\frac{x^8 - 6x^7 + 17x^6 - 40x^5 + 58x^4 - 52x^3 + 28x^2 - 8x + 1}{(2x - 1)(x^2 - 3x + 1)(x - 1)^5}$$

Sequence: A116842
Score: 5.24352
Type of gen. func.: ogf

$$-\frac{18x^6 + 31x^5 + 22x^4 + 8x^3 + 3x^2 - x + 1}{(x - 1)^3}$$

Sequence: A116842
Score: 5.50307
Type of gen. func.: lgdogf

$$\frac{54x^6 - 46x^5 - 133x^4 - 88x^3 - 27x^2 - 4x - 2}{(x - 1)(18x^6 + 31x^5 + 22x^4 + 8x^3 + 3x^2 - x + 1)}$$

Sequence: A116843
Score: 3.96368
Type of gen. func.: ogf

$$-\frac{8x^7 - 26x^6 + 60x^5 - 87x^4 + 73x^3 - 35x^2 + 9x - 1}{(x^2 - 3x + 1)(2x - 1)^2(x - 1)^4}$$

Sequence: A116844
Score: 4.53493
Type of gen. func.: ogf

$$-\frac{x^6 - 3x^5 + 13x^4 - 14x^3 + 12x^2 - 5x + 1}{(x - 1)^7}$$

Sequence: A116844

Score: 7.59749
Type of gen. func.: lgdogf

$$-\frac{x^6+24x^4-4x^3+18x^2-6x+2}{(x-1)(x^6-3x^5+13x^4-14x^3+12x^2-5x+1)}$$

Sequence: A116845
Score: 7.79748
Type of gen. func.: lgdogf

$$-\frac{x^6-5x^5+19x^4-36x^3+30x^2-12x+2}{(x-1)(x^2-3x+1)(x^4-4x^3+8x^2-5x+1)}$$

Sequence: A116845
Score: 7.97518
Type of gen. func.: ogf

$$-\frac{x^4-4x^3+8x^2-5x+1}{(x-1)(x^2-3x+1)^2}$$

Sequence: A116846
Score: 5.21305
Type of gen. func.: lgdogf

$$\frac{x^8-8x^7+25x^6-30x^5+9x^4-4x^3+18x^2-6x+2}{(x-1)(x^8-4x^7+3x^6+6x^5-13x^4+14x^3-12x^2+5x-1)}$$

Sequence: A116846
Score: 5.26984
Type of gen. func.: ogf

$$\frac{x^9-4x^8+4x^7-x^6+8x^5-21x^4+23x^3-16x^2+6x-1}{(x-1)^7}$$

Sequence: A116847
Score: 3.98524
Type of gen. func.: ogf

$$\{(n + 4) a(n + 1) + (-4 n - 13) a(n + 2) + (4 n + 7) a(n + 3) + (-n - 1) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 14\}$$

Sequence: A116847
Score: 6.90487
Type of gen. func.: lgdogf

$$-\frac{x^7 - 7 x^6 + 19 x^5 - 35 x^4 + 50 x^3 - 34 x^2 + 12 x - 2}{(x - 1) (x^2 - 3 x + 1) (x^5 - 5 x^4 + 9 x^3 - 10 x^2 + 5 x - 1)}$$

Sequence: A116847
Score: 6.98299
Type of gen. func.: ogf

$$-\frac{x^5 - 5 x^4 + 9 x^3 - 10 x^2 + 5 x - 1}{(x^2 - 3 x + 1) (x - 1)^4}$$

Sequence: A116848
Score: 5.15988
Type of gen. func.: lgdogf

$$-\frac{12 x^8 - 40 x^7 + 83 x^6 - 120 x^5 + 135 x^4 - 104 x^3 + 50 x^2 - 14 x + 2}{(3 x^4 - 5 x^3 + 7 x^2 - 4 x + 1) (4 x^5 - 10 x^4 + 17 x^3 - 14 x^2 + 6 x - 1)}$$

Sequence: A116848
Score: 7.78689
Type of gen. func.: ogf

$$-\frac{3 x^4 - 5 x^3 + 7 x^2 - 4 x + 1}{4 x^5 - 10 x^4 + 17 x^3 - 14 x^2 + 6 x - 1}$$

Sequence: A116849
Score: 11.8650
Type of gen. func.: lgdogf

$$-\frac{x^4 - 4x^3 + 10x^2 - 6x + 2}{(x-1)(x^4 - 6x^3 + 8x^2 - 5x + 1)}$$

Sequence: A116849
Score: 4.68844
Type of gen. func.: ogf

$-(10 f(x) + 1)$

$$(f(x) x^4 - 6 f(x) x^3 + 8 f(x) x^2 + x^3 - 5 f(x) x - 3 x^2 + f(x) + 3 x - 1)$$

Sequence: A116849
Score: 6.72485
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 4x^3 - 10x^2 + 6x - 2}{-x^5 + 7x^4 - 14x^3 + 13x^2 - 6x + 1}$$

Sequence: A116849
Score: 8.64623
Type of gen. func.: ogf

$$-\frac{(x-1)^3}{x^4 - 6x^3 + 8x^2 - 5x + 1}$$

Sequence: A116850
Score: 6.86798
Type of gen. func.: ogf

$$7x^5 - 20x^4 + 28x^3 - 20x^2 + 7x - 1$$

```
                    - ---------------------------------------
                                            3        3
                               (2 x - 1)  (x - 1)
```

Sequence: A116850
Score: 7.35013
Type of gen. func.: lgdogf

```
                     6       5       4       3       2
                 14 x  - 38 x  + 73 x  - 80 x  + 46 x  - 14 x + 2
          - -----------------------------------------------------------
                                  5       4       3       2
            (x - 1) (2 x - 1) (7 x  - 20 x  + 28 x  - 20 x  + 7 x - 1)
```

Sequence: A116851
Score: 6.87121
Type of gen. func.: ogf

```
                         5      4       3       2
                      2 x  - 8 x  + 11 x  - 11 x  + 5 x - 1
                    - --------------------------------------
                                                5
                               (2 x - 1) (x - 1)
```

Sequence: A116851
Score: 7.55822
Type of gen. func.: lgdogf

```
                      6      5      4       3       2
                2 (2 x  - 8 x  + 8 x  - 17 x  + 14 x  - 5 x + 1)
          - ----------------------------------------------------------
                                  5      4       3       2
            (x - 1) (2 x - 1) (2 x  - 8 x  + 11 x  - 11 x  + 5 x - 1)
```

Sequence: A116862
Score: 7.41846
Type of gen. func.: ogf

```
                       2  3         2  2
                 3 f(x)  x  + 6 f(x)  x  + 7 f(x) x - f(x) + 1
```

Sequence: A116862
Score: 8.60682
Type of gen. func.: revogf

```
               2           1/2         2           1/2                2
```

$$\frac{3 (4 x + 8 x + 1) x + (4 x + 8 x + 1) - 1 - 7 x - 6 x}{6 x^2}$$

Sequence: A116867
Score: 13.3763
Type of gen. func.: lgdogf

$$- \frac{-1 + 12 x + 5 (-12 x + 1)^{1/2}}{(x + 2) (-1 + 12 x)}$$

Sequence: A116867
Score: 15.1363
Type of gen. func.: revogf

$$\frac{(13 - 4 x + 5 (-8 x + 1)^{1/2}) x}{2 (x + 3)^2}$$

Sequence: A116867
Score: 3.81275
Type of gen. func.: ogf

$\{(30 + 12 n) a(n + 1) + (23 n + 32) a(n + 2) + (-2 n - 6) a(n + 3), a(0) = 1,$

$a(1) = 2, a(2) = 9\}$

Sequence: A116867
Score: 6.38221
Type of gen. func.: ogf

$$-f(x)^2 x^2 - 4 f(x)^2 x - 4 f(x)^2 - 6 f(x) x + 13 f(x) - 9$$

Sequence: A116867
Score: 8.15504
Type of gen. func.: lgdogf

$$- \frac{-1 + 12 x + 5 (-12 x + 1)^{1/2}}{}$$

$$12 x^2 + 23 x - 2$$

Sequence: A116873
Score: 4.95812
Type of gen. func.: ogf

$$3 f(x)^2 x^2 + 4 f(x)^2 x + f(x)^2 - 12 f(x) x - 2 f(x) + 8 x + 1$$

Sequence: A116874
Score: 5.26168
Type of gen. func.: ogf

$$8 f(x)^2 x^2 + 14 f(x)^2 x + 3 f(x)^2 - 39 f(x) x - 6 f(x) + 25 x + 3$$

Sequence: A116875
Score: 5.12157
Type of gen. func.: lgdogf

$$\frac{-7 + 290 x - 1800 x^3 - 355 x^2 + 3 (-(-1 + 40 x) (145 x^2 + 60 x - 1)^2)^{1/2}}{2 (1 + 5 x) (9 x + 1) (-1 + 40 x) (x + 2)}$$

Sequence: A116875
Score: 5.55079
Type of gen. func.: ogf

$$5 f(x)^2 x^2 + 11 f(x)^2 x + 2 f(x)^2 - 29 f(x) x - 4 f(x) + 18 x + 2$$

Sequence: A116876
Score: 5.00871
Type of gen. func.: lgdogf

$$(-85 + 4200 x - 28224 x^3 - 5172 x^2 + 7 (-(-1 + 48 x) (972 x^2 + 360 x - 5)^2)^{1/2})$$

$$/(2 (49 x + 5) (2 x + 5) (1 + 6 x) (-1 + 48 x))$$

```
Sequence:  A116876
Score: 5.72309
Type of gen. func.: ogf


             2  2          2           2
      12 f(x)  x  + 32 f(x)  x + 5 f(x)  - 81 f(x) x - 10 f(x) + 49 x + 5



-------------------------------------------------------------------------------

Sequence:  A116877
Score: 5.61141
Type of gen. func.: lgdogf


                     3         2                         2            2 1/2
(-15 + 861 x - 6272 x  - 1064 x  + 6 (-(-1 + 56 x) (252 x  + 84 x - 1) )   )/(

    (-1 + 56 x) (32 x + 3) (7 x + 1) (x + 3))



-------------------------------------------------------------------------------

Sequence:  A116877
Score: 6.01335
Type of gen. func.: ogf


             2  2          2           2
       7 f(x)  x  + 22 f(x)  x + 3 f(x)  - 54 f(x) x - 6 f(x) + 32 x + 3



-------------------------------------------------------------------------------

Sequence:  A116878
Score: 5.24321
Type of gen. func.: ogf


             2  2          2           2
      16 f(x)  x  + 58 f(x)  x + 7 f(x)  - 139 f(x) x - 14 f(x) + 81 x + 7



-------------------------------------------------------------------------------

Sequence:  A116879
Score: 6.82066
Type of gen. func.: lgdogf


                  2          3        2
20 - 128 x - 400 x  + (-320 x  - 120 x  + 36 x - 2) f(x)

             4       3       2          2
     + (-64 x  - 48 x  + 15 x  - x) f(x)



-------------------------------------------------------------------------------

Sequence:  A116881
Score: 4.40142
Type of gen. func.: ogf


       2  3          2  2         2              2       2
```

$$-8 f(x) x - 15 f(x) x - 6 f(x) x - 16 f(x) x + f(x) + 10 f(x) x - f(x) - 8 x$$

Sequence: A116914
Score: 6.2886
Type of gen. func.: ogf

$$4 f(x)^2 x^4 + 15 f(x)^2 x^3 + 12 f(x)^2 x^2 - 4 f(x)^2 x - 4 f(x) x^2 + 5 f(x) x - f(x) + 1$$

Sequence: A116915
Score: 8.78862
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^4 + x^3 - x^2 - x + 1}{-x^5 + 1}$$

Sequence: A116917
Score: 8.47810
Type of gen. func.: lgdogf

$$\frac{20 x^9 - 22 x^8 + 34 x^7 - 39 x^6 + 4 x^5 - 14 x^4 - 10 x^3 - 4 x^2 - 2 x - 1}{(x - 1) (x^2 + 1) (5 x^7 + x^6 + 4 x^5 + 3 x^4 + x^3 + 2 x^2 + 1)}$$

Sequence: A116917
Score: 9.97651
Type of gen. func.: ogf

$$-\frac{5 x^7 + x^6 + 4 x^5 + 3 x^4 + x^3 + 2 x^2 + 1}{(x^2 + 1) (x - 1)}$$

Sequence: A116921
Score: 12.0558
Type of gen. func.: lgdogf

$$-\frac{2x^6+x^5+9x^4-2x^3+4x^2+x+1}{(x-1)(x+1)(x^2+1)(2x^5-2x^4+x^3+1)}$$

Sequence: A116921
Score: 12.3989
Type of gen. func.: ogf

$$\frac{x(2x^5-2x^4+x^3+1)}{(x+1)(x^2+1)(x-1)^2}$$

Sequence: A116922
Score: 10.2358
Type of gen. func.: ogf

$$-\frac{2x^6-2x^5+x^4-x^3-x^2-1}{(x+1)(x^2+1)(x-1)^2}$$

Sequence: A116922
Score: 8.93720
Type of gen. func.: lgdogf

$$\frac{2x^9-2x^8-x^7+x^6-7x^5+11x^4+3x^3+5x^2+3x+1}{(x-1)(x+1)(x^2+1)(2x^6-2x^5+x^4-x^3-x^2-1)}$$

Sequence: A116930
Score: 13.5434
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^5-4x^3+3x+1}{x^2-1}$$

Sequence: A116940
Score: 11.9684
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 2 x^2 - 10 x - 6}{x^4 - 4 x^2 + 3}$$

Sequence: A116940
Score: 14.4881
Type of gen. func.: ogf

$$\frac{x (x^2 - 3)}{(x + 1) (x - 1)^3}$$

Sequence: A116940
Score: 20.8695
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 + x^2 - 5 x - 3)}{(x - 1) (x + 1) (x^2 - 3)}$$

Sequence: A116940
Score: 7.50746
Type of gen. func.: ogf

$$(86 f(x) - 551) (f(x) x^4 - 2 f(x) x^3 - x^3 + 2 f(x) x - f(x) + 3 x)$$

Sequence: A116951
Score: 7.46167
Type of gen. func.: ogf

$$-\frac{x (3 x^4 - 6 x^3 + 39 x^2 + 6 x + 1)}{3 x^6 + 90 x^3 - 1}$$

Sequence: A116952
Score: 11.7185
Type of gen. func.: lgdogf

$$-\frac{12 x^2 + 6 x - 8}{12 x^3 - 13 x^2 + 1}$$

Sequence: A116952
Score: 16.4060
Type of gen. func.: ogf

$$\frac{4 x + 1}{(-1 + 3 x) (x - 1)}$$

Sequence: A116952
Score: 16.8624
Type of gen. func.: revogf

$$-\frac{-1 - 4 x + (4 x^2 + 24 x + 1)^{1/2}}{2 (-4 + 3 x)}$$

Sequence: A116952
Score: 18.1271
Type of gen. func.: lgdogf

$$-\frac{2 (6 x^2 + 3 x - 4)}{(x - 1) (-1 + 3 x) (4 x + 1)}$$

Sequence: A116952
Score: 8.48583
Type of gen. func.: ogf

$$(13 f(x) + 19) (3 f(x) x^2 - 4 f(x) x + f(x) - 4 x - 1)$$

Sequence: A116952
Score: 9.00327

Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A116955
Score: 13.5570
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^3 - 25 x^2 + 11 x - 5)}{(x - 1) (9 x^4 - 30 x^3 + 20 x^2 - 6 x - 1)}$$

Sequence: A116955
Score: 5.36061
Type of gen. func.: ogf

$$(184 f(x) + 2981) (f(x) x^4 - 4 f(x) x^3 + 9 x^4 + 6 f(x) x^2 - 30 x^3 - 4 f(x) x + 20 x^2 + f(x) - 6 x - 1)$$

Sequence: A116955
Score: 8.66821
Type of gen. func.: lgdogf

$$-\frac{-6 x^3 + 50 x^2 - 22 x + 10}{-9 x^5 + 39 x^4 - 50 x^3 + 26 x^2 - 5 x - 1}$$

Sequence: A116955
Score: 9.36566
Type of gen. func.: ogf

$$-\frac{9 x^4 - 30 x^3 + 20 x^2 - 6 x - 1}{(x - 1)^4}$$

Sequence: A116966
Score: 11.3692

Type of gen. func.: lgdogf

$$-\frac{4x^6 - x^5 + 9x^4 + 8x^3 + 8x^2 + x + 3}{(x - 1)(x + 1)(x^2 + 1)(2x^3 - x^2 + 2x + 1)}$$

Sequence: A116966
Score: 12.1082
Type of gen. func.: ogf

$$\frac{2x^3 - x^2 + 2x + 1}{(x + 1)(x^2 + 1)(x - 1)^2}$$

Sequence: A116969
Score: 10.3533
Type of gen. func.: ogf

$$-\frac{x^3 - 2x^2 - 5x + 4}{(x + 1)(2x - 1)(x - 1)^2}$$

Sequence: A116969
Score: 10.7290
Type of gen. func.: lgdogf

$$-\frac{2x^5 - 6x^4 - 29x^3 + 27x^2 + 5x - 7}{(x - 1)(2x - 1)(x + 1)(x^3 - 2x^2 - 5x + 4)}$$

Sequence: A116969
Score: 4.19581
Type of gen. func.: ogf

$\{(-2n - 4)\, a(n + 1) + a(n + 2)\, n + (2n + 3)\, a(n + 3) + (-n - 1)\, a(n + 4),$

$a(0) = 4,\ a(1) = 7,\ a(2) = 15,\ a(3) = 27\}$

Sequence: A116969
Score: 5.42315
Type of gen. func.: ogf

$$-(1086 f(x) - 1883)$$

$$(2 f(x) x^4 - 3 f(x) x^3 - f(x) x^2 + x^3 + 3 f(x) x - 2 x^2 - f(x) - 5 x + 4)$$

Sequence: A116970
Score: 14.3061
Type of gen. func.: ogf

$$\frac{1 + 6 x}{(-1 + 3 x) (x - 1)}$$

Sequence: A116970
Score: 15.3878
Type of gen. func.: revogf

$$-\frac{-1 - 4 x + (4 x^2 + 32 x + 1)^{1/2}}{6 (x - 2)}$$

Sequence: A116970
Score: 15.7725
Type of gen. func.: lgdogf

$$-\frac{2 (9 x^2 + 3 x - 5)}{(x - 1) (-1 + 3 x) (1 + 6 x)}$$

Sequence: A116970
Score: 7.39971
Type of gen. func.: ogf

$$(17 f(x) + 33) (3 f(x) x^2 - 4 f(x) x + f(x) - 6 x - 1)$$

Sequence: A116970
Score: 7.75634
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A116970
Score: 9.46729
Type of gen. func.: lgdogf

$$-\frac{18 x^2 + 6 x - 10}{18 x^3 - 21 x^2 + 2 x + 1}$$

Sequence: A116971
Score: 10.0708
Type of gen. func.: ogf

$$\frac{2 (2 x^2 + 2 x - 5)}{(4 x - 1) (x - 1)^2}$$

Sequence: A116971
Score: 11.3338
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^3 + 12 x^2 - 33 x + 14)}{(x - 1) (4 x - 1) (2 x^2 + 2 x - 5)}$$

Sequence: A116971
Score: 5.07635
Type of gen. func.: ogf

$$(461689 f(x) - 7971004)$$

$$(4 f(x) x^3 - 9 f(x) x^2 + 6 f(x) x - 4 x^2 - f(x) - 4 x + 10)$$

Sequence: A116971
Score: 5.38267
Type of gen. func.: ogf

{a(n + 3) - 6 a(n + 2) + 9 a(n + 1) - 4 a(n), a(0) = 10, a(1) = 56, a(2) = 242}

Sequence: A116971
Score: 7.34576
Type of gen. func.: lgdogf

$$-\frac{8 x^3 + 24 x^2 - 66 x + 28}{8 x^4 - 2 x^3 - 28 x^2 + 27 x - 5}$$

Sequence: A116972
Score: 11.0365
Type of gen. func.: lgdogf

$$-\frac{39 x^3 - 57 x^2 - 19 x + 21}{(-1 + 3 x) (x - 1) (13 x^2 - 16 x - 1)}$$

Sequence: A116972
Score: 5.07968
Type of gen. func.: ogf

$$(45740 f(x) - 806047)$$

$$(3 f(x) x^3 - 7 f(x) x^2 + 5 f(x) x - 13 x^2 - f(x) + 16 x + 1)$$

Sequence: A116972
Score: 5.43614
Type of gen. func.: ogf

{a(n + 3) - 5 a(n + 2) + 7 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 21, a(2) = 85}

Sequence: A116972
Score: 6.96315
Type of gen. func.: lgdogf

$$-\frac{-39 x^3 + 57 x^2 + 19 x - 21}{-39 x^4 + 100 x^3 - 74 x^2 + 12 x + 1}$$

Sequence: A116972
Score: 9.83683
Type of gen. func.: ogf

$$\frac{13 x^2 - 16 x - 1}{(-1 + 3 x) (x - 1)^2}$$

Sequence: A116973
Score: 10.3954
Type of gen. func.: ogf

$$- \frac{3 x^2 - 7 x - 1}{(x - 1) (-1 + 3 x) (x + 1)}$$

Sequence: A116973
Score: 5.51407
Type of gen. func.: ogf

$$(173 f(x) + 618) (3 f(x) x^3 - f(x) x^2 - 3 f(x) x + 3 x^2 + f(x) - 7 x - 1)$$

Sequence: A116973
Score: 5.56245
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - a(n + 1) + 3 a(n), a(0) = 1, a(1) = 10, a(2) = 28\}$$

Sequence: A116973
Score: 9.86101
Type of gen. func.: lgdogf

$$- \frac{9 x^4 - 42 x^3 + 7 x^2 - 4 x + 10}{(x - 1) (-1 + 3 x) (x + 1) (3 x^2 - 7 x - 1)}$$

Sequence: A116975
Score: 11.2451
Type of gen. func.: lgdogf

$$-\frac{2 x^7 + x^6 + 5 x^4 + 2 x^3 + 3 x^2 + 1}{(x + 1) (x^2 - x + 1) (x^5 + x^4 + x - 1)}$$

Sequence: A116975
Score: 12.4904
Type of gen. func.: ogf

$$-\frac{(x^2 - x + 1) (x + 1)}{x^5 + x^4 + x - 1}$$

Sequence: A116996
Score: 10.1061
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^6 + 6 x^4 + 6 x^3 + 5 x^2 + 2 x + 2)}{(x - 1) (x + 1) (x^2 + 1) (2 x^3 - x^2 + 2 x + 1)}$$

Sequence: A116996
Score: 8.30755
Type of gen. func.: ogf

$$-\frac{x (2 x^3 - x^2 + 2 x + 1)}{(x + 1) (x^2 + 1) (x - 1)^3}$$

Sequence: A117058
Score: 4.47146
Type of gen. func.: ogf

$$-\frac{500 x^8 - 200 x^7 - 200 x^6 - 100 x^5 - 106 x^4 + 2 x^3 + 2 x^2 + x + 2}{(x - 1) (10 x^2 - 1) (10 x^2 + 1) (10 x^4 - 1)}$$

Sequence: A117066
Score: 10.0100
Type of gen. func.: ogf

$$-\frac{3x^2+6x+1}{(x-1)^5}$$

Sequence: A117066
Score: 11.9817
Type of gen. func.: lgdogf

$$-\frac{9x^2+30x+11}{3x^3+3x^2-5x-1}$$

Sequence: A117066
Score: 21.5652
Type of gen. func.: lgdogf

$$-\frac{9x^2+30x+11}{(x-1)(3x^2+6x+1)}$$

Sequence: A117066
Score: 3.91481
Type of gen. func.: ogf

{(n + 4) a(n + 4) + (4 + 5 n) a(n + 3) + (-36 - 3 n) a(n + 2)

+ (-12 - 3 n) a(n + 1), a(0) = 1, a(1) = 11, a(2) = 48, a(3) = 140}

Sequence: A117079
Score: 8.17617
Type of gen. func.: ogf

$$-\frac{x^7+x^4+1}{\quad}$$

$$(x + 1) (2 x - 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2$$

Sequence: A117080
Score: 10.8720
Type of gen. func.: ogf

$$- \frac{x^3 - x^2 - 1}{(x - 1) (x^3 + 2 x - 1)}$$

Sequence: A117080
Score: 12.1842
Type of gen. func.: lgdogf

$$- \frac{x^6 - 2 x^5 - x^4 + 2 x^3 - 3 x^2 - 2 x + 3}{(x - 1) (x^3 - x^2 - 1) (x^3 + 2 x - 1)}$$

Sequence: A117080
Score: 5.70974
Type of gen. func.: ogf

$$-(61 f(x) + 56) (f(x) x^4 - f(x) x^3 + 2 f(x) x^2 + x^3 - 3 f(x) x - x^2 + f(x) - 1)$$

Sequence: A117081
Score: 11.0975
Type of gen. func.: lgdogf

$$- \frac{-3599 x^2 + 5362 x - 1979}{-3599 x^3 + 9879 x^2 - 9033 x + 2753}$$

Sequence: A117081
Score: 13.4755
Type of gen. func.: ogf

$$3599 x^2 - 6280 x + 2753$$

$$- \frac{}{(x - 1)^{3}}$$

Sequence: A117081
Score: 18.8805
Type of gen. func.: lgdogf

$$- \frac{3599 x^{2} - 5362 x + 1979}{(x - 1) (3599 x^{2} - 6280 x + 2753)}$$

Sequence: A117081
Score: 7.14611
Type of gen. func.: ogf

$$(265208 f(x) - 41308789)$$

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 3599 x^{2} - f(x) - 6280 x + 2753)$$

Sequence: A117081
Score: 7.79576
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2753, a(1) = 1979,$$

$$a(2) = 1277\}$$

Sequence: A117088
Score: 10.8536
Type of gen. func.: lgdogf

$$- \frac{30 x^{2} + 10 x - 12}{30 x^{3} - 31 x^{2} + 1}$$

Sequence: A117088
Score: 14.3312
Type of gen. func.: revogf

$$\qquad ^{2} \qquad\qquad\qquad ^{1/2}$$

$$-\frac{-1 - 6 x + (16 x \ + 36 x + 1)}{2 (-6 + 5 x)}$$

Sequence: A117088
Score: 15.6774
Type of gen. func.: ogf

$$\frac{1 + 6 x}{(-1 + 5 x) (x - 1)}$$

Sequence: A117088
Score: 15.7643
Type of gen. func.: lgdogf

$$-\frac{2 (15 x^{2} + 5 x - 6)}{(x - 1) (-1 + 5 x) (1 + 6 x)}$$

Sequence: A117088
Score: 8.10904
Type of gen. func.: ogf

$$(31 f(x) + 41) (5 f(x) x^{2} - 6 f(x) x + f(x) - 6 x - 1)$$

Sequence: A117088
Score: 8.49982
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 5 a(n), a(0) = 1, a(1) = 12\}$$

Sequence: A117106
Score: 4.90968
Type of gen. func.: ogf

$$\{(-n^{2} - n) a(n) + (-11 n^{2} - 77 n - 126) a(n + 1) + (n^{2} + 13 n + 42) a(n + 2),$$
$$a(0) = 1, a(1) = 2\}$$

Sequence: A117110
Score: 12.7122
Type of gen. func.: ogf

$$-\frac{x(1+5x)}{(2x+1)(4x-1)}$$

Sequence: A117110
Score: 14.6039
Type of gen. func.: revogf

$$\frac{-2x-1+(36x^2+24x+1)^{1/2}}{2(5+8x)}$$

Sequence: A117110
Score: 14.9601
Type of gen. func.: lgdogf

$$-\frac{40x^2+16x+7}{(1+5x)(4x-1)(2x+1)}$$

Sequence: A117110
Score: 6.16731
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) - 8 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 7}

Sequence: A117110
Score: 7.32822
Type of gen. func.: ogf

$$-f(x)(8f(x)x^2+2f(x)x+5x^2-f(x)+x)$$

Sequence: A117110
Score: 9.16026
Type of gen. func.: lgdogf

^{2}

$$-\frac{-40 x - 16 x - 7}{-40 x^3 - 18 x^2 + 3 x + 1}$$

Sequence: A117142
Score: 10.6016
Type of gen. func.: lgdogf

$$-\frac{-3 x^3 + 3 x^2 + 4 x + 2}{-x^4 + x^3 + 2 x^2 - x - 1}$$

Sequence: A117142
Score: 11.0146
Type of gen. func.: ogf

$$\frac{x^2 - x - 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A117142
Score: 19.3446
Type of gen. func.: lgdogf

$$-\frac{3 x^3 - 3 x^2 - 4 x - 2}{(x - 1) (x + 1) (x^2 - x - 1)}$$

Sequence: A117143
Score: 6.63766
Type of gen. func.: ogf

$$\frac{x^5 - x^4 - x^3 + x + 1}{(x + 1) (x^2 + x + 1)^2 (x - 1)^4}$$

Sequence: A117143
Score: 9.46223

Type of gen. func.: lgdogf

$$-\frac{4x^8 - 8x^6 - 5x^5 + 4x^4 + 10x^3 + 11x^2 + 6x + 2}{(x - 1)(x + 1)(x^2 + x + 1)(x^5 - x^4 - x^3 + x + 1)}$$

Sequence: A117152
Score: 10.8005
Type of gen. func.: lgdogf

$$-\frac{4x^5 - 2x^4 + 20x^3 - 2x^2 - 8x - 7}{(x - 1)(x^2 + x - 1)(x^3 + 3x + 1)}$$

Sequence: A117152
Score: 6.69798
Type of gen. func.: ogf

$$\frac{x^2 (x^3 + 3x + 1)}{(x - 1)(x^2 + x - 1)^3}$$

Sequence: A117186
Score: 4.11652
Type of gen. func.: ogf

$$-8 f(x)^2 x^4 + 4 f(x)^2 x^3 + 2 f(x)^2 x^2 - 4 f(x) x^3 - f(x)^2 x - 4 f(x) x^2 + f(x) x - x^2 + f(x) - 2x - 1$$

Sequence: A117188
Score: 10.4764
Type of gen. func.: ogf

$$-\frac{(x - 1)(x + 1)}{(x^2 + x + 1)(x^2 - x + 1)}$$

Sequence: A117188
Score: 22.1480
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5 - 2 x]$$

Sequence: A117188
Score: 5.90688
Type of gen. func.: ogf

$$-(3 f(x) - 19) (f(x) x^4 + f(x) x^2 + x^2 + f(x) - 1)$$

Sequence: A117188
Score: 9.91512
Type of gen. func.: lgdogf

$$-\frac{-2 x^5 + 4 x^3 + 4 x}{-x^6 + 1}$$

Sequence: A117189
Score: 12.4756
Type of gen. func.: ogf

$$-\frac{(x - 1)^2}{2 x^3 - 4 x^2 + 4 x - 1}$$

Sequence: A117189
Score: 15.9051
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - 3 x^2 + 2 x - 1)}{(x - 1) (2 x^3 - 4 x^2 + 4 x - 1)}$$

Sequence: A117189

Score: 6.79472
Type of gen. func.: ogf

$$(8 f(x) - 11) (2 f(x) x^3 - 4 f(x) x^2 + 4 f(x) x + x^2 - f(x) - 2 x + 1)$$

Sequence: A117189
Score: 6.79473
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 4 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A117189
Score: 9.51262
Type of gen. func.: lgdogf

$$- \frac{-2 x^3 + 6 x^2 - 4 x + 2}{-2 x^4 + 6 x^3 - 8 x^2 + 5 x - 1}$$

Sequence: A117199
Score: 8.17376
Type of gen. func.: lgdogf

$$- \frac{6 x^9 + 12 x^8 + 22 x^7 + 25 x^6 + 28 x^5 + 23 x^4 + 22 x^3 + 11 x^2 + 6 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1) (3 x^4 + 3 x^3 + 4 x^2 + 2 x + 1)}$$

Sequence: A117199
Score: 8.95762
Type of gen. func.: ogf

$$- \frac{3 x^4 + 3 x^3 + 4 x^2 + 2 x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 + 1)}$$

Sequence: A117202
Score: 14.2581
Type of gen. func.: lgdogf

$$-\frac{2\,(x-1)\,(2\,x^2-x+2)}{(x^2-3\,x+1)\,(2\,x^2-2\,x+1)}$$

Sequence: A117202
Score: 3.82621
Type of gen. func.: ogf

$$\{(n^2+5\,n+6)\,a(n+1)+(-3\,n^2-12\,n-9)\,a(n+2)$$
$$+(n^2+3\,n+2)\,a(n+3),\ a(0)=0,\ a(1)=1,\ a(2)=4\}$$

Sequence: A117202
Score: 4.82434
Type of gen. func.: ogf

$$(575\,f(x)+152)$$
$$(f(x)\,x^4-6\,f(x)\,x^3+11\,f(x)\,x^2-2\,x^3-6\,f(x)\,x+2\,x^2+f(x)-x)$$

Sequence: A117202
Score: 8.32200
Type of gen. func.: lgdogf

$$-\frac{4\,x^3-6\,x^2+6\,x-4}{2\,x^4-8\,x^3+9\,x^2-5\,x+1}$$

Sequence: A117202
Score: 8.99676
Type of gen. func.: ogf

$$\frac{x\,(2\,x^2-2\,x+1)}{(x^2-3\,x+1)^2}$$

Sequence: A117216

Score: 12.9919
Type of gen. func.: lgdogf

$$-\frac{8\,(x+1)\,(5\,x^{2}+38\,x+5)}{(x-1)\,(x^{4}+36\,x^{3}+118\,x^{2}+36\,x+1)}$$

Sequence: A117216
Score: 4.83744
Type of gen. func.: ogf

$$(1290\,f(x)+60197)\,(f(x)\,x^{4}-4\,f(x)\,x^{3}-x^{4}+6\,f(x)\,x^{2}-36\,x^{3}-4\,f(x)\,x-118\,x^{2}+f(x)-36\,x-1)$$

Sequence: A117216
Score: 7.70042
Type of gen. func.: lgdogf

$$-\frac{-40\,x^{3}-344\,x^{2}-344\,x-40}{-x^{5}-35\,x^{4}-82\,x^{3}+82\,x^{2}+35\,x+1}$$

Sequence: A117216
Score: 8.47911
Type of gen. func.: ogf

$$\frac{x^{4}+36\,x^{3}+118\,x^{2}+36\,x+1}{(x-1)^{4}}$$

Sequence: A117218
Score: 7.17253
Type of gen. func.: ogf

$$-\frac{x\,(55\,x^{14}-65\,x^{13}+17\,x^{8}-51\,x^{7}+44\,x^{6}-5\,x^{5}+11\,x^{4}+x+1)}{(x-1)^{3}}$$

Sequence: A117225
Score: 4.45263
Type of gen. func.: ogf

$$-\frac{257597 x^4 - 939254 x^3 + 1294076 x^2 - 797574 x + 185371}{(x - 1)^5}$$

Sequence: A117230
Score: 9.38577
Type of gen. func.: ogf

$$-\frac{9 x^9 + 9 x^8 + 8 x^7 + 7 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A117248
Score: 10.7451
Type of gen. func.: lgdogf

$$-\frac{-2 x^3 + 6 x^2 + 6 x + 2}{-x^6 + 2 x^4 + 2 x^3 - 2 x - 1}$$

Sequence: A117248
Score: 11.7755
Type of gen. func.: ogf

$$-\frac{x^3 (x^2 + x + 1) (x^2 - x - 1)}{(x + 1)^2 (x - 1)^2}$$

Sequence: A117248
Score: 16.1384
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - 3 x^2 - 3 x - 1)}{}$$

$$(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x - 1)$$

Sequence: A117275
Score: 15.5796
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^4 + x^2 + x}{x^4 - 1}$$

Sequence: A117276
Score: 13.8090
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^4 - x^2 - x - 2}{-x^4 + 1}$$

Sequence: A117302
Score: 10.3209
Type of gen. func.: lgdogf

$$-\frac{16 x^7 - 7 x^6 - 2}{(x - 1) (2 x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A117302
Score: 14.9321
Type of gen. func.: ogf

$$\frac{1}{(2 x - 1) (x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A117302
Score: 8.87270
Type of gen. func.: lgdogf

$$-\frac{16 x^{7} - 7 x^{6} - 2}{2 x^{8} - x^{7} - 2 x + 1}$$

Sequence: A117304
Score: 12.7395
Type of gen. func.: ogf

$$-\frac{6 (145 x^{5} - 160 x^{4} - 2)}{(x - 1)^{2}}$$

Sequence: A117304
Score: 14.3483
Type of gen. func.: lgdogf

$$\frac{435 x^{5} - 1045 x^{4} + 640 x^{3} + 4}{(x - 1) (145 x^{5} - 160 x^{4} - 2)}$$

Sequence: A117304
Score: 8.14280
Type of gen. func.: lgdogf

$$-\frac{-435 x^{5} + 1045 x^{4} - 640 x^{3} - 4}{145 x^{6} - 305 x^{5} + 160 x^{4} - 2 x + 2}$$

Sequence: A117339
Score: 11.1381
Type of gen. func.: ogf

$$-\frac{(2 x^{3} + 1) (3 x^{4} + x^{3} + 2 x^{2} + x + 1)}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A117353

Score: 11.4369
Type of gen. func.: lgdogf

$$- \frac{12 x^4 - 24 x^3 + 11 x^2 + 2 x - 2}{(x - 1) (2 x - 1) (2 x^3 - x^2 - x + 1)}$$

Sequence: A117353
Score: 11.4767
Type of gen. func.: ogf

$$\frac{x - 1}{(2 x - 1) (2 x^3 - x^2 - x + 1)}$$

Sequence: A117353
Score: 5.55618
Type of gen. func.: ogf

$$-(9 f(x) + 38) (4 f(x) x^4 - 4 f(x) x^3 - f(x) x^2 + 3 f(x) x - f(x) - x + 1)$$

Sequence: A117353
Score: 7.07150
Type of gen. func.: lgdogf

$$- \frac{12 x^4 - 24 x^3 + 11 x^2 + 2 x - 2}{4 x^5 - 8 x^4 + 3 x^3 + 4 x^2 - 4 x + 1}$$

Sequence: A117363
Score: 12.5807
Type of gen. func.: ogf

$$- \frac{2 x - 1}{x^3 - x^2 + 1}$$

Sequence: A117363
Score: 16.4846

Type of gen. func.: lgdogf

$$-\frac{4x^3-5x^2+2x-2}{(2x-1)(x^3-x^2+1)}$$

Sequence: A117363
Score: 6.55801
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+1)-a(n), a(0)=1, a(1)=-2, a(2)=1\}$$

Sequence: A117363
Score: 6.77421
Type of gen. func.: ogf

$$-(26 f(x)-61)(f(x) x^3-f(x) x^2+f(x)+2 x-1)$$

Sequence: A117363
Score: 7.70566
Type of gen. func.: lgdogf

$$-\frac{4x^3-5x^2+2x-2}{2x^4-3x^3+x^2+2x-1}$$

Sequence: A117373
Score: 10.0628
Type of gen. func.: ogf

$$-\frac{-1+3x}{x^2-x+1}$$

Sequence: A117373
Score: 14.3420
Type of gen. func.: revogf

2 1/2

$$-\frac{-x - 1 + (-3 x - 10 x + 1)}{2 (x + 3)}$$

Sequence: A117373
Score: 16.0293
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 2 x - 2}{(-1 + 3 x) (x^2 - x + 1)}$$

Sequence: A117373
Score: 5.08796
Type of gen. func.: ogf

$$-(f(x) - 2) (f(x) x^2 - f(x) x + f(x) + 3 x - 1)$$

Sequence: A117373
Score: 5.52229
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = -2\}$$

Sequence: A117374
Score: 10.6854
Type of gen. func.: ogf

$$-\frac{-1 + 3 x}{x^3 - x^2 + 1}$$

Sequence: A117374
Score: 13.6699
Type of gen. func.: lgdogf

$$-\frac{6 x^3 - 6 x^2 + 2 x - 3}{(-1 + 3 x) (x^3 - x^2 + 1)}$$

Sequence: A117374
Score: 5.57003
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+1)-a(n), a(0)=1, a(1)=-3, a(2)=1\}$$

Sequence: A117374
Score: 5.69112
Type of gen. func.: ogf

$$-(79 f(x) - 486) (f(x) x^3 - f(x) x^2 + f(x) + 3 x - 1)$$

Sequence: A117376
Score: 4.25225
Type of gen. func.: ogf

$$-9 f(x)^2 x^4 + 2 f(x)^2 x^3 + 9 f(x)^2 x^2 - 11 f(x)^2 x - 6 f(x) x^2 + 2 f(x)^2 + 2 f(x) x - f(x) - 1$$

Sequence: A117378
Score: 10.1549
Type of gen. func.: lgdogf

$$-\frac{4 x^2 - 2 x - 3}{4 x^3 - 5 x^2 + 5 x - 1}$$

Sequence: A117378
Score: 10.3161
Type of gen. func.: ogf

$$f(x) x^2 - f(x) x + f(x) + 4 x - 1$$

Sequence: A117378
Score: 13.9743
Type of gen. func.: revogf

$$-\frac{-x - 1 + (-3 x^2 - 14 x + 1)^{1/2}}{2 (4 + x)}$$

Sequence: A117378
Score: 14.4426
Type of gen. func.: ogf

$$-\frac{4 x - 1}{x^2 - x + 1}$$

Sequence: A117378
Score: 16.0293
Type of gen. func.: lgdogf

$$-\frac{4 x^2 - 2 x - 3}{(4 x - 1) (x^2 - x + 1)}$$

Sequence: A117378
Score: 7.92579
Type of gen. func.: ogf

{-a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = -3}

Sequence: A117379
Score: 11.0538
Type of gen. func.: ogf

$$-\frac{4 x - 1}{x^3 - x^2 + 1}$$

Sequence: A117379
Score: 14.0998
Type of gen. func.: lgdogf

3   2

$$-\frac{8 x - 7 x + 2 x - 4}{(4 x - 1) (x^3 - x^2 + 1)}$$

Sequence: A117379
Score: 5.7621
Type of gen. func.: ogf

$$-(174 f(x) - 2093) (f(x) x^3 - f(x) x^2 + f(x) + 4 x - 1)$$

Sequence: A117379
Score: 5.76211
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1) - a(n), a(0) = 1, a(1) = -4, a(2) = 1\}$$

Sequence: A117381
Score: 3.80565
Type of gen. func.: ogf

$$-16 f(x)^2 x^4 + 3 f(x)^2 x^3 + 16 f(x)^2 x^2 - 19 f(x)^2 x - 8 f(x) x^2 + 3 f(x)^2$$
$$+ 3 f(x) x - 2 f(x) - 1$$

Sequence: A117397
Score: 3.13799
Type of gen. func.: ogf

$$\{(n^2 + 8 n + 12) a(n + 1) + (-2 n^2 - 20 n - 42) a(n + 2)$$
$$+ (n^2 + 13 n + 34) a(n + 3) + (-n - 4) a(n + 4), a(0) = 1, a(1) = 4,$$
$$a(2) = 19, a(3) = 109\}$$

Sequence: A117410
Score: 19.8236
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x + 1}{2}$$

$$x - 1$$

Sequence: A117412
Score: 13.195
Type of gen. func.: ogf

$$-f(x) x^{2} + 2 f(x) x - f(x) + 200$$

Sequence: A117412
Score: 22.9971
Type of gen. func.: ogf

$$\frac{200}{(x - 1)^{2}}$$

Sequence: A117412
Score: 28.7463
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A117412
Score: 30.3789
Type of gen. func.: revogf

$$\frac{2 x}{(10 + (100 + 2 x)^{1/2})^{2}}$$

Sequence: A117412
Score: 9.35927
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 200, a(1) = 400\}$$

Sequence: A117412

Score: 98.7315
Type of gen. func.: lgdogf

$$-\frac{2}{x-1}$$

Sequence: A117413
Score: 13.1004
Type of gen. func.: ogf

$$-\frac{(x-1)(x+1)}{x^4+4x^3-2x^2+1}$$

Sequence: A117413
Score: 14.1549
Type of gen. func.: lgdogf

$$-\frac{2x(x^4+2x^3-2x^2-6x+1)}{(x-1)(x+1)(x^4+4x^3-2x^2+1)}$$

Sequence: A117413
Score: 7.00987
Type of gen. func.: ogf

$$(63040 f(x) - 8313) (f(x) x^4 + 4 f(x) x^3 - 2 f(x) x^2 + x^2 + f(x) - 1)$$

Sequence: A117413
Score: 7.61071
Type of gen. func.: lgdogf

$$-\frac{2x^5+4x^4-4x^3-12x^2+2x}{x^6+4x^5-3x^4-4x^3+3x^2-1}$$

Sequence: A117439
Score: 11.0567
Type of gen. func.: ogf

$$-\frac{(x-1)(x+1)}{x^4-2x^2-4x+1}$$

Sequence: A117439
Score: 11.4387
Type of gen. func.: lgdogf

$$-\frac{2(x^5-2x^3+2x^2+x+2)}{(x-1)(x+1)(x^4-2x^2-4x+1)}$$

Sequence: A117439
Score: 6.56493
Type of gen. func.: lgdogf

$$-\frac{2x^5-4x^3+4x^2+2x+4}{x^6-3x^4-4x^3+3x^2+4x-1}$$

Sequence: A117439
Score: 9.34958
Type of gen. func.: ogf

$$-f(x)\,(f(x)\,x^4-2\,f(x)\,x^2-4\,f(x)\,x+x^2+f(x)-1)$$

Sequence: A117441
Score: 10.1656
Type of gen. func.: ogf

$$-\frac{x^2-x-1}{x^4-x^2+1}$$

Sequence: A117441
Score: 15.5610
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 3 x^4 - 4 x^3 + x^2 + 1}{(x^2 - x - 1) (x^4 - x^2 + 1)}$$

Sequence: A117441
Score: 5.51850
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 2) - a(n), a(0) = 1, a(1) = 1, a(2) = 0, a(3) = 1\}$$

Sequence: A117441
Score: 8.16116
Type of gen. func.: ogf

$$-f(x) x^4 + f(x) x^2 - x^2 - f(x) + x + 1$$

Sequence: A117444
Score: 12.8502
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 10 x^4 + 10 x^3 + 5 x^2 - 2}{(x^2 + 3 x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A117444
Score: 5.42317
Type of gen. func.: ogf

$$f(x) x^4 + f(x) x^3 + f(x) x^2 - x^3 + f(x) x - 3 x^2 + f(x) - x$$

Sequence: A117444
Score: 8.24618
Type of gen. func.: ogf

$$\frac{x (x^2 + 3 x + 1)}{{}^{4} \quad {}^{3} \quad {}^{2}}$$

$$x + x + x + x + 1$$

Sequence: A117447
Score: 10.0338
Type of gen. func.: lgdogf

$$- \frac{x^{6} + 6 x^{5} + 9 x^{4} + 10 x^{3} + 9 x^{2} + 6 x + 1}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{3} + 3 x^{2} + 2 x + 1)}$$

Sequence: A117447
Score: 10.5499
Type of gen. func.: ogf

$$- \frac{x^{3} + 3 x^{2} + 2 x + 1}{(x - 1) (x^{2} + x + 1) (x + 1)}$$

Sequence: A117447
Score: 6.06619
Type of gen. func.: ogf

$$(2 f(x) - 29) (f(x) x^{4} + f(x) x^{3} + x^{3} - f(x) x + 3 x^{2} - f(x) + 2 x + 1)$$

Sequence: A117448
Score: 10.0714
Type of gen. func.: ogf

$$- \frac{2 x^{4} + 2 x^{3} + x^{2} + x + 1}{(x - 1) (x^{2} + x + 1) (x^{2} - x + 1) (x + 1)^{2}}$$

Sequence: A117448
Score: 8.88099
Type of gen. func.: lgdogf

$$- \frac{x (6 x^{8} + 6 x^{7} + 5 x^{6} + 5 x^{5} + 7 x^{4} - x^{3} + 7 x^{2} + 5 x + 2)}{}$$

$$(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (2 x^4 + 2 x^3 + x^2 + x + 1)$$

Sequence: A117450
Score: 6.91049
Type of gen. func.: lgdogf

$$- \frac{2 x^9 + 2 x^8 + 2 x^7 + 7 x^6 - 2 x^5 + 12 x^4 + 2 x^3 + 2 x^2 + 2 x + 1}{(x - 1) (x^2 + 1) (x^3 - x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A117450
Score: 8.23372
Type of gen. func.: ogf

$$- \frac{(x^2 + 1) (x^3 - x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A117451
Score: 10.6611
Type of gen. func.: lgdogf

$$- \frac{x (x^8 + x^7 + x^6 + 5 x^5 - 3 x^4 + 11 x^3 + x^2 + x + 2)}{(x - 1) (x^2 + 1) (x^3 - x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A117451
Score: 13.3227
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^3 - x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A117452
Score: 13.0598
Type of gen. func.: ogf

$$-\frac{(x^2+1)(x^3-x+1)}{(x-1)(x^4+x^3+x^2+x+1)}$$

Sequence: A117452
Score: 7.66226
Type of gen. func.: lgdogf

$$-\frac{3x^6-4x^5+10x^4+2x-1}{(x-1)(x^2+1)(x^3-x+1)(x^4+x^3+x^2+x+1)}$$

Sequence: A117465
Score: 5.20723
Type of gen. func.: ogf

{(n + 5) a(n) + (-n + 3) a(n + 2), a(0) = 9, a(1) = 0, a(2) = 15, a(3) = 0,

a(4) = 105, a(5) = 24}

Sequence: A117465
Score: 5.39189
Type of gen. func.: ogf

$$\frac{3(10x^{12}-50x^{10}+105x^8-160x^6-8x^5-40x^4+10x^2-3)}{(x-1)^5(x+1)^5}$$

Sequence: A117465
Score: 5.74795
Type of gen. func.: lgdogf

$$10x(2x^{12}-12x^{10}+29x^8-20x^6+4x^5+120x^4+4x^3+8x^2+1)\bigg/\bigg((x-1)(x+1)(10x^{12}-50x^{10}+105x^8-160x^6-8x^5-40x^4+10x^2-3)\bigg)$$

Sequence: A117472
Score: 5.22723
Type of gen. func.: ogf

$$-(19652 f(x) - 74287) (f(x) x^4 - 6 f(x) x^2 + 13 x^3 + 13 x^2 + f(x) - 53 x - 25)$$

Sequence: A117472
Score: 6.23658
Type of gen. func.: lgdogf

$$-\frac{13 x^6 + 26 x^5 - 81 x^4 - 100 x^3 + 279 x^2 + 274 x + 53}{(x^2 - 2 x - 1) (x^2 + 2 x - 1) (13 x^3 + 13 x^2 - 53 x - 25)}$$

Sequence: A117472
Score: 8.86358
Type of gen. func.: ogf

$$-\frac{13 x^3 + 13 x^2 - 53 x - 25}{(x^2 + 2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A117473
Score: 6.23446
Type of gen. func.: ogf

$$\frac{5 x^4 + 7 x^3 - 18 x^2 - 21 x - 7}{(x - 1) (x^2 + 2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A117474
Score: 5.32350
Type of gen. func.: lgdogf

$$-\frac{3 x^8 + 2 x^7 - 13 x^6 - 28 x^5 + 29 x^4 + 66 x^3 + 85 x^2 - 80 x - 8}{(x - 1) (x^2 + 2 x - 1) (x^2 - 2 x - 1) (3 x^4 + x^3 - 10 x^2 - 3 x - 5)}$$

Sequence: A117474
Score: 6.48154
Type of gen. func.: ogf

$$\frac{3 x^4 + x^3 - 10 x^2 - 3 x - 5}{(x - 1) (x^2 + 2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A117475
Score: 5.58531
Type of gen. func.: ogf

$$-(107916 f(x) - 442423)$$

$$(f(x) x^4 - 6 f(x) x^2 + 17 x^3 + 17 x^2 + f(x) - 65 x - 37)$$

Sequence: A117475
Score: 6.78771
Type of gen. func.: lgdogf

$$- \frac{17 x^6 + 34 x^5 - 93 x^4 - 148 x^3 + 339 x^2 + 410 x + 65}{(x^2 + 2 x - 1) (x^2 - 2 x - 1) (17 x^3 + 17 x^2 - 65 x - 37)}$$

Sequence: A117475
Score: 9.63264
Type of gen. func.: ogf

$$- \frac{17 x^3 + 17 x^2 - 65 x - 37}{(x^2 + 2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A117476
Score: 5.21826
Type of gen. func.: lgdogf

$$- \frac{8 x^8 + 14 x^7 - 43 x^6 - 124 x^5 + 105 x^4 + 318 x^3 + 139 x^2 - 200 x - 33}{(x - 1) (x^2 + 2 x - 1) (x^2 - 2 x - 1) (8 x^4 + 7 x^3 - 28 x^2 - 21 x - 12)}$$

Sequence: A117476
Score: 6.82165
Type of gen. func.: ogf

$$\frac{8 x^{4} + 7 x^{3} - 28 x^{2} - 21 x - 12}{(x - 1) (x^{2} + 2 x - 1) (x^{2} - 2 x - 1)}$$

Sequence: A117485
Score: 11.2142
Type of gen. func.: lgdogf

$$- \frac{12 x^{3} + 14 x^{2} + 8 x + 2}{x^{4} + x^{3} - x - 1}$$

Sequence: A117485
Score: 17.7092
Type of gen. func.: lgdogf

$$- \frac{2 (2 x + 1) (3 x^{2} + 2 x + 1)}{(x - 1) (x + 1) (x^{2} + x + 1)}$$

Sequence: A117485
Score: 32.9981
Type of gen. func.: ogf_with_Euler_transform]

$$2 x^{2} + 2 x + 2$$

Sequence: A117485
Score: 8.29852
Type of gen. func.: ogf

$$\frac{1}{(x^{2} + x + 1)^{2} (x + 1)^{2} (x - 1)^{6}}$$

Sequence: A117486
Score: 12.8704
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^2+x+1)\,(5\,x^3+3\,x^2+3\,x+1)}{(x-1)\,(x+1)\,(x^2+1)\,(x^2+x+1)}$$

Sequence: A117486
Score: 25.2576
Type of gen. func.: ogf_with_Euler_transform]

$$2\,x^3+2\,x^2+2\,x+2$$

Sequence: A117486
Score: 4.87644
Type of gen. func.: ogf

$$\frac{1}{(x^2+x+1)^2\,(x^2+1)^2\,(x+1)^4\,(x-1)^8}$$

Sequence: A117486
Score: 7.76619
Type of gen. func.: lgdogf

$$-\frac{-20\,x^5-22\,x^4-28\,x^3-16\,x^2-8\,x-2}{-x^6-x^5-x^4+x^2+x+1}$$

Sequence: A117487
Score: 19.5241
Type of gen. func.: ogf_with_Euler_transform]

$$2\,x^4+2\,x^3+2\,x^2+2\,x+2$$

Sequence: A117487
Score: 7.46217
Type of gen. func.: lgdogf

$$-\frac{2\,(3x^4+2x^3+3x^2+x+1)\,(5x^5+7x^4+7x^3+6x^2+4x+1)}{(x-1)\,(x+1)\,(x^2+x+1)\,(x^4+x^3+x^2+x+1)\,(x^2+1)}$$

Sequence: A117516
Score: 5.62766
Type of gen. func.: ogf

$$-\frac{x\,(6x^8-16x^6+11x^4+10x^3-6x^2-10x-3)}{(x+1)^3\,(x-1)^4}$$

Sequence: A117516
Score: 6.30081
Type of gen. func.: lgdogf

$$\frac{6x^9-6x^8-32x^7+16x^6+63x^5-51x^4-24x^3+36x^2+43x+13}{(x-1)\,(x+1)\,(6x^8-16x^6+11x^4+10x^3-6x^2-10x-3)}$$

Sequence: A117518
Score: 6.27304
Type of gen. func.: ogf

$$-\frac{x\,(3x^8-2x^7-5x^6+4x^5-2x^4+x^3+x^2-3x-1)}{(x+1)^2\,(x-1)^4}$$

Sequence: A117518
Score: 7.12431
Type of gen. func.: lgdogf

```
   9      8       7       6       5       4      3       2
6 x  - 8 x  - 20 x  + 20 x  + 26 x  - 19 x  + 2 x  + 10 x  + 10 x + 5
----------------------------------------------------------------------
                       8      7      6      5      4    3    2
```

$$(x - 1) (x + 1) (3 x - 2 x - 5 x + 4 x - 2 x + x + x - 3 x - 1)$$

Sequence: A117520
Score: 4.46108
Type of gen. func.: ogf

$$- x (x^{14} + 2 x^{13} + 3 x^{12} + 4 x^{11} + 5 x^{10} + 6 x^{9} + 7 x^{8} + 25 x^{7} + 7 x^{6} + 6 x^{5} + 5 x^{4} + 4 x^{3} + 3 x^{2} + 2 x + 1) / ((x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2} (x - 1)^{3})$$

Sequence: A117524
Score: 16.1168
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{4} - x^{2} - x}{-x + 1}$$

Sequence: A117525
Score: 14.2249
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{5} - x^{4} - 2 x^{3} + 3 x}{x - 1}$$

Sequence: A117547
Score: 10.7861
Type of gen. func.: ogf

$$\frac{x (9 x^{3} - 52 x^{2} - x + 2)}{x^{2} - 6 x + 1}$$

Sequence: A117547
Score: 11.1484
Type of gen. func.: lgdogf

$$\frac{9 x^4 - 108 x^3 + 340 x^2 - 108 x + 11}{(x^2 - 6 x + 1) (9 x^3 - 52 x^2 - x + 2)}$$

Sequence: A117547
Score: 5.83512
Type of gen. func.: ogf

$(22731021 f(x) - 6940275095)$

$(-9 x^4 + f(x) x^2 + 52 x^3 - 6 f(x) x + x^2 + f(x) - 2 x)$

Sequence: A117547
Score: 6.53104
Type of gen. func.: lgdogf

$$- \frac{9 x^4 - 108 x^3 + 340 x^2 - 108 x + 11}{-9 x^5 + 106 x^4 - 320 x^3 + 44 x^2 + 13 x - 2}$$

Sequence: A117560
Score: 17.5315
Type of gen. func.: lgdogf

$$- \frac{x^3 - 3 x^2 + 3 x + 11}{(x - 1) (x^3 - 3 x^2 + 3 x + 2)}$$

Sequence: A117560
Score: 5.05730
Type of gen. func.: ogf

$\{(-n - 5) a(n + 1) + (2 n + 8) a(n + 2) + (-n - 3) a(n + 3), a(0) = 2,$

$a(1) = 11, a(2) = 29\}$

Sequence: A117560
Score: 5.45184

Type of gen. func.: ogf

$$(179 f(x) + 230)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x + 3 x^2 + f(x) - 3 x - 2)$$

Sequence: A117560
Score: 9.49023
Type of gen. func.: lgdogf

$$- \frac{-x^3 + 3 x^2 - 3 x - 11}{-x^4 + 4 x^3 - 6 x^2 + x + 2}$$

Sequence: A117560
Score: 9.98323
Type of gen. func.: ogf

$$\frac{x^3 - 3 x^2 + 3 x + 2}{(x - 1)^4}$$

Sequence: A117561
Score: 11.8370
Type of gen. func.: lgdogf

$$\frac{x^5 - 5 x^4 + 11 x^3 - 11 x^2 + x + 15}{(x - 1) (x^5 - 3 x^4 + x^3 + 4 x^2 - 3 x - 3)}$$

Sequence: A117561
Score: 8.30562
Type of gen. func.: ogf

$$- \frac{x^5 - 3 x^4 + x^3 + 4 x^2 - 3 x - 3}{(x - 1)^4}$$

Sequence: A117569
Score: 11.0189
Type of gen. func.: lgdogf

$$-\frac{-x^2+1}{-x^4-x^3-2x^2-x-1}$$

Sequence: A117569
Score: 14.1375
Type of gen. func.: ogf

$$f(x)x^2-x^2+f(x)-x-1$$

Sequence: A117569
Score: 15.2916
Type of gen. func.: ogf

$$\frac{x^2+x+1}{x^2+1}$$

Sequence: A117569
Score: 22.6590
Type of gen. func.: ogf_with_Euler_transform]

$$x^3-x^2-x+1$$

Sequence: A117569
Score: 36.4560
Type of gen. func.: lgdogf

$$-\frac{(x-1)(x+1)}{(x^2+1)(x^2+x+1)}$$

Sequence: A117569
Score: 9.02757

Type of gen. func.: ogf

{a(n + 3) + a(n + 1), a(0) = 1, a(1) = 1, a(2) = 0}

Sequence: A117571
Score: 10.6917
Type of gen. func.: lgdogf

$$-\frac{-4 x^4 - 2 x^3 - 6 x^2 - 5 x - 1}{-2 x^5 - x^3 + 2 x^2 + 1}$$

Sequence: A117571
Score: 15.7562
Type of gen. func.: ogf

$$\frac{2 x^2 + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A117571
Score: 18.3540
Type of gen. func.: lgdogf

$$-\frac{(2 x + 1) (2 x^3 + 3 x + 1)}{(x - 1) (x^2 + x + 1) (2 x^2 + 1)}$$

Sequence: A117571
Score: 5.44304
Type of gen. func.: ogf

{(-11 - 3 n) a(n + 1) - 3 a(n + 2) - 3 a(n + 3) + (3 n + 8) a(n + 4), a(0) = 1,

a(1) = 1, a(2) = 3, a(3) = 4}

Sequence: A117571
Score: 8.09099
Type of gen. func.: ogf

$$(171 f(x) + 734) (f(x) x^4 - f(x) x^3 - f(x) x - 2 x^2 + f(x) - 1)$$

Sequence: A117572
Score: 14.5289
Type of gen. func.: lgdogf

$$- \frac{3 x (2 x^4 + 2 x^3 + 3 x^2 + 3 x + 2)}{(x - 1) (x + 1) (x^2 + x + 1) (2 x^2 + 1)}$$

Sequence: A117572
Score: 14.9801
Type of gen. func.: ogf

$$\frac{2 x^2 + 1}{(x + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A117573
Score: 10.5044
Type of gen. func.: lgdogf

$$- \frac{8 x^5 + 10 x^4 + 14 x^3 + 13 x^2 + 8 x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (2 x^2 + 1)}$$

Sequence: A117573
Score: 9.85651
Type of gen. func.: ogf

$$- \frac{2 x^2 + 1}{(x + 1) (x^2 + x + 1) (x - 1)^3}$$

Sequence: A117575
Score: 13.7175
Type of gen. func.: ogf

$$\frac{x^2 + x + 1}{2 x^2 + 1}$$

Sequence: A117575
Score: 20.9021
Type of gen. func.: lgdogf

$$- \frac{2 x^2 + 2 x - 1}{(x^2 + x + 1) (2 x^2 + 1)}$$

Sequence: A117575
Score: 8.00186
Type of gen. func.: ogf

$$\{a(n + 3) + 2 a(n + 1), a(0) = 1, a(1) = 1, a(2) = -1\}$$

Sequence: A117575
Score: 8.96209
Type of gen. func.: ogf

$$(2 f(x) - 3) (2 f(x) x^2 - x^2 + f(x) - x - 1)$$

Sequence: A117575
Score: 9.33550
Type of gen. func.: lgdogf

$$- \frac{-2 x^2 - 2 x + 1}{-2 x^4 - 2 x^3 - 3 x^2 - x - 1}$$

Sequence: A117576
Score: 10.5928
Type of gen. func.: ogf

$$2$$

$$\frac{x + x + 1}{(x + 1) (2 x^2 + 1)}$$

Sequence: A117576
Score: 14.7769
Type of gen. func.: lgdogf

$$- \frac{x (2 x^3 + 4 x^2 + 7 x + 2)}{(x + 1) (x^2 + x + 1) (2 x^2 + 1)}$$

Sequence: A117576
Score: 5.52275
Type of gen. func.: ogf

$$-(22 f(x) - 21) (2 f(x) x^3 + 2 f(x) x^2 + f(x) x - x^2 + f(x) - x - 1)$$

Sequence: A117576
Score: 5.82127
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) - 2 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 0, a(2) = -1\}$$

Sequence: A117585
Score: 11.5371
Type of gen. func.: ogf

$$- \frac{x^2 - x + 1}{(x^2 + 2 x - 1) (x - 1)^2}$$

Sequence: A117585
Score: 12.7833
Type of gen. func.: lgdogf

$$- \frac{(x + 1) (2 x^3 - 3 x^2 + 6 x - 3)}{{}^{2} \qquad {}^{2}}$$

$$(x - 1) (x - x + 1) (x + 2 x - 1)$$

Sequence: A117585
Score: 3.55437
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 1) + (-n - 5) a(n + 2) + (3 n + 10) a(n + 3) + (-n - 3) a(n + 4), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 24\}$$

Sequence: A117585
Score: 6.01508
Type of gen. func.: ogf

$$-(10 f(x) - 19) (f(x) x^4 - 4 f(x) x^2 + 4 f(x) x + x^2 - f(x) - x + 1)$$

Sequence: A117585
Score: 7.99734
Type of gen. func.: lgdogf

$$-\frac{-2 x^4 + x^3 - 3 x^2 - 3 x + 3}{-x^5 + 3 x^3 - 5 x^2 + 4 x - 1}$$

Sequence: A117589
Score: 13.6931
Type of gen. func.: ogf

$$-\frac{x (2 x + 1) (4 x^2 + 1)}{(x - 1) (x^4 + 1)}$$

Sequence: A117589
Score: 14.5931
Type of gen. func.: lgdogf

$$-\frac{16 x^7 + 4 x^6 - x^4 - 20 x^3 + 20 x^2 + 8 x + 3}{(x - 1) (2 x + 1) (4 x^2 + 1) (x^4 + 1)}$$

Sequence: A117591
Score: 12.3429
Type of gen. func.: ogf

$$-\frac{3x^2-1}{(2x-1)(x^2+x-1)}$$

Sequence: A117591
Score: 14.3684
Type of gen. func.: lgdogf

$$-\frac{6x^4+3x^2-8x+3}{(2x-1)(3x^2-1)(x^2+x-1)}$$

Sequence: A117591
Score: 6.17144
Type of gen. func.: ogf

$$-(11 f(x)+129)(2 f(x) x^3+f(x) x^2-3 f(x) x+3x^2+f(x)-1)$$

Sequence: A117591
Score: 6.28165
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + a(n + 1) + 2 a(n), a(0) = 1, a(1) = 3, a(2) = 5}

Sequence: A117591
Score: 7.90500
Type of gen. func.: lgdogf

$$-\frac{-6x^4-3x^2+8x-3}{-6x^5-3x^4+11x^3-2x^2-3x+1}$$

Sequence: A117606
Score: 10.9429
Type of gen. func.: lgdogf

$$\frac{11 x^{8} + 3 x^{6} + 10 x^{5} - 43 x^{4} + 36 x^{3} + 9 x^{2} + 10 x + 4}{(x - 1) (x + 1) (x^{2} + 1) (11 x^{5} - 7 x^{4} - 3 x^{3} - 5 x^{2} - 4 x - 2)}$$

Sequence: A117606
Score: 13.5492
Type of gen. func.: ogf

$$\frac{11 x^{5} - 7 x^{4} - 3 x^{3} - 5 x^{2} - 4 x - 2}{(x^{2} + 1) (x - 1) (x + 1)}$$

Sequence: A117609
Score: 11.8494
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{3} + 4 x^{2} - 2 x + 7}{-x^{3} - x^{2} - x - 1}$$

Sequence: A117614
Score: 10.0233
Type of gen. func.: ogf

$$- \frac{x^{2} - 2 x - 1}{(x - 1) (4 x - 1) (x + 1)}$$

Sequence: A117614
Score: 10.5066
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^{4} - 8 x^{3} - 3 x^{2} + 3)}{(x - 1) (4 x - 1) (x + 1) (x^{2} - 2 x - 1)}$$

Sequence: A117614
Score: 5.22582
Type of gen. func.: ogf

$$-(47 f(x) + 97) (4 f(x) x^3 - f(x) x^2 - 4 f(x) x + x^2 + f(x) - 2 x - 1)$$

Sequence: A117614
Score: 5.41081
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) - a(n + 1) + 4 a(n), a(0) = 1, a(1) = 6, a(2) = 24\}$$

Sequence: A117614
Score: 6.50448
Type of gen. func.: lgdogf

$$-\frac{-4 x^4 + 16 x^3 + 6 x^2 - 6}{-4 x^5 + 9 x^4 + 6 x^3 - 10 x^2 - 2 x + 1}$$

Sequence: A117615
Score: 11.7461
Type of gen. func.: ogf

$$\frac{x (x^2 + 1)}{(x - 1) (4 x - 1) (x + 1)}$$

Sequence: A117615
Score: 13.7473
Type of gen. func.: lgdogf

$$-\frac{4 (x^4 + 4 x^2 - x - 1)}{(x - 1) (4 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A117615
Score: 5.07217
Type of gen. func.: ogf

$$\{-a(n+4) + 4 a(n+3) + a(n+2) - 4 a(n+1), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 18\}$$

Sequence: A117615
Score: 5.92501
Type of gen. func.: ogf

$$-(77 f(x) - 15) (4 f(x) x^3 - f(x) x^2 - x^3 - 4 f(x) x + f(x) - x)$$

Sequence: A117615
Score: 9.17160
Type of gen. func.: lgdogf

$$-\frac{4 x^4 + 16 x^2 - 4 x - 4}{4 x^5 - x^4 - 4 x + 1}$$

Sequence: A117616
Score: 13.9128
Type of gen. func.: ogf

$$\frac{2 x}{(x - 1) (4 x - 1) (x + 1)}$$

Sequence: A117616
Score: 15.8088
Type of gen. func.: lgdogf

$$-\frac{2 (2 x + 1) (3 x - 2)}{(x - 1) (4 x - 1) (x + 1)}$$

Sequence: A117616
Score: 5.64032
Type of gen. func.: ogf

$\{-a(n+3) + 4\,a(n+2) + a(n+1) - 4\,a(n),\ a(0) = 0,\ a(1) = 2,\ a(2) = 8\}$

Sequence: A117616
Score: 8.13086
Type of gen. func.: ogf

$$4\,f(x)\,x^3 - f(x)\,x^2 - 4\,f(x)\,x + f(x) - 2\,x$$

Sequence: A117616
Score: 9.63194
Type of gen. func.: lgdogf

$$-\frac{12\,x^2 - 2\,x - 4}{4\,x^3 - x^2 - 4\,x + 1}$$

Sequence: A117617
Score: 12.6517
Type of gen. func.: ogf

$$\frac{2\,x + 1}{(-1 + 5\,x)\,(x - 1)}$$

Sequence: A117617
Score: 12.6624
Type of gen. func.: revogf

$$-\frac{-1 - 6\,x + (16\,x^2 + 20\,x + 1)^{1/2}}{2\,(-2 + 5\,x)}$$

Sequence: A117617
Score: 14.2858
Type of gen. func.: lgdogf

$$-\frac{2\,(5\,x^2 + 5\,x - 4)}{(x - 1)\,(2\,x + 1)\,(-1 + 5\,x)}$$

Sequence: A117617
Score: 6.54397
Type of gen. func.: ogf

$$(19 f(x) + 13) (5 f(x) x^2 - 6 f(x) x + f(x) - 2 x - 1)$$

Sequence: A117617
Score: 6.94299
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 5 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A117617
Score: 8.49739
Type of gen. func.: lgdogf

$$- \frac{10 x^2 + 10 x - 8}{10 x^3 - 7 x^2 - 4 x + 1}$$

Sequence: A117619
Score: 12.2032
Type of gen. func.: lgdogf

$$- \frac{-8 x^2 + 10 x - 8}{-8 x^3 + 21 x^2 - 20 x + 7}$$

Sequence: A117619
Score: 13.1873
Type of gen. func.: ogf

$$- \frac{8 x^2 - 13 x + 7}{(x - 1)^3}$$

Sequence: A117619
Score: 21.6747
Type of gen. func.: lgdogf

$$-\frac{2\,(4\,x^{2} - 5\,x + 4)}{(x - 1)\,(8\,x^{2} - 13\,x + 7)}$$

Sequence: A117619
Score: 6.8707
Type of gen. func.: ogf

$$-(20\,f(x) + 679)\,(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x + 8\,x^{2} - f(x) - 13\,x + 7)$$

Sequence: A117619
Score: 7.23550
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 7,\ a(1) = 8,\ a(2) = 11\}$$

Sequence: A117624
Score: 3.47475
Type of gen. func.: ogf

$$-(138756661\,x^{6} - 770153280\,x^{5} + 1791141703\,x^{4} - 2232512922\,x^{3} + 1571907177\,x^{2} - 592496806\,x + 93363947)\,/\,(x - 1)^{7}$$

Sequence: A117625
Score: 11.0557
Type of gen. func.: lgdogf

$$-\frac{-9\,x^{2} - 16\,x - 2}{-9\,x^{3} + 10\,x^{2} - 2\,x + 1}$$

Sequence: A117625

Score: 11.9619
Type of gen. func.: ogf

$$-\frac{9x^2 - x + 1}{(x-1)^3}$$

Sequence: A117625
Score: 21.6554
Type of gen. func.: lgdogf

$$-\frac{9x^2 + 16x + 2}{(x-1)(9x^2 - x + 1)}$$

Sequence: A117625
Score: 6.03035
Type of gen. func.: ogf

$$-(2673 f(x) - 7388) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 9 x^2 - f(x) - x + 1)$$

Sequence: A117625
Score: 6.45728
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 12\}$

Sequence: A117641
Score: 12.1327
Type of gen. func.: revogf

$$-\frac{-3x^2 + x}{-x^2 + 3x - 1}$$

Sequence: A117641
Score: 27.0106
Type of gen. func.: revogf

$$-\frac{x(-1+3x)}{x^2-3x+1}$$

Sequence: A117641
Score: 5.91661
Type of gen. func.: lgdogf

$$-\frac{-7x+3+3(-1+5x)^{1/2}(x-1)^{1/2}+2(x-1)^{1/2}x(-1+5x)^{1/2}}{2(x+3)(-1+5x)^{1/2}x(x-1)^{1/2}}$$

Sequence: A117641
Score: 8.1935
Type of gen. func.: ogf

$$-f(x)^2 x^2 - 3 f(x)^2 x + 3 f(x) x + f(x) - 1$$

Sequence: A117642
Score: 10.5946
Type of gen. func.: ogf

$$\frac{3x(x^2+4x+1)}{(x-1)^4}$$

Sequence: A117642
Score: 12.0616
Type of gen. func.: lgdogf

$$-\frac{2x^2+14x+8}{x^3+3x^2-3x-1}$$

Sequence: A117642
Score: 24.1566
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + 7 x + 4)}{(x - 1) (x^2 + 4 x + 1)}$$

Sequence: A117642
Score: 3.95961
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-2 + 3 n) a(n + 3) + (-17 - 3 n) a(n + 2)$$

$$+ (-n - 2) a(n + 1), a(0) = 0, a(1) = 3, a(2) = 24, a(3) = 81\}$$

Sequence: A117642
Score: 5.48253
Type of gen. func.: ogf

$$-(220 f(x) + 1087)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 3 x^3 - 4 f(x) x - 12 x^2 + f(x) - 3 x)$$

Sequence: A117644
Score: 10.0845
Type of gen. func.: lgdogf

$$-\frac{-36 x^2 - 72 x + 45}{32 x^4 - 108 x^3 + 53 x^2 + 27 x - 4}$$

Sequence: A117644
Score: 15.2219
Type of gen. func.: ogf

$$-\frac{4 x^2 - 9 x - 4}{(-1 + 8 x) (x - 1)}$$

Sequence: A117644
Score: 5.46446
Type of gen. func.: lgdogf

$$\frac{9 (2 x + 5) (2 x - 1)}{(x - 1) (-1 + 8 x) (4 x^2 - 9 x - 4)}$$

Sequence: A117644
Score: 7.68344
Type of gen. func.: ogf

$$\{-a(n + 3) + 9 a(n + 2) - 8 a(n + 1), a(0) = 4, a(1) = 45, a(2) = 369\}$$

Sequence: A117644
Score: 8.49223
Type of gen. func.: ogf

$$(37 f(x) + 77) (8 f(x) x^2 - 9 f(x) x + 4 x^2 + f(x) - 9 x - 4)$$

Sequence: A117647
Score: 14.6252
Type of gen. func.: lgdogf

$$- \frac{2 (x^4 + 2 x^3 + 4 x + 1)}{(x + 1) (x^4 + 4 x^2 - 1)}$$

Sequence: A117647
Score: 7.93613
Type of gen. func.: ogf

$$f(x) x^4 + 4 f(x) x^2 + x^3 + 2 x^2 - f(x) + x$$

Sequence: A117647
Score: 9.75754
Type of gen. func.: ogf

$$- \frac{x (x + 1)^2}{x^4 + 4 x^2 - 1}$$

Sequence: A117651
Score: 4.32370
Type of gen. func.: ogf

$$(4 x^{11} - 4 x^{10} - 14 x^{9} + 14 x^{8} + 16 x^{7} - 16 x^{6} - 4 x^{5} + 3 x^{4} - 3 x^{3} + 2 x^{2} + x - 1) \Big/ ((x + 1)^{4} (x - 1)^{5})$$

Sequence: A117662
Score: 15.4331
Type of gen. func.: lgdogf

$$- \frac{-4 x + 14}{-x^{2} + 4 x - 3}$$

Sequence: A117662
Score: 32.7188
Type of gen. func.: lgdogf

$$- \frac{2 (-7 + 2 x)}{(x - 1) (x - 3)}$$

Sequence: A117662
Score: 4.97513
Type of gen. func.: ogf

$\{-3 n a(n + 3) + (10 + 4 n) a(n + 2) + (-n - 2) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 3\}$

Sequence: A117662
Score: 9.57240
Type of gen. func.: ogf

$$\frac{x^{3} (x - 3)}{(x - 1)^{5}}$$

Sequence: A117663
Score: 5.72392
Type of gen. func.: ogf

$$-\frac{46 x^8 + 24 x^7 + 63 x^6 + 39 x^5 + 178 x^4 + 21 x^3 + 27 x^2 + 6 x + 1}{(x + 1)^2 (x^2 + 1)^2 (x - 1)^3}$$

Sequence: A117665
Score: 11.6660
Type of gen. func.: lgdogf

$$-\frac{-21 x^2 - 6 x - 3}{-7 x^3 + 9 x^2 - 3 x + 1}$$

Sequence: A117665
Score: 20.7628
Type of gen. func.: lgdogf

$$-\frac{3 (7 x^2 + 2 x + 1)}{(x - 1) (7 x^2 - 2 x + 1)}$$

Sequence: A117665
Score: 3.84920
Type of gen. func.: ogf

$\{(n + 3) a(n + 4) + (-3 n - 9) a(n + 3) + (3 + 9 n) a(n + 2)$

$+ (-21 - 7 n) a(n + 1), a(0) = 0, a(1) = 2, a(2) = 6, a(3) = 24\}$

Sequence: A117665
Score: 9.02730
Type of gen. func.: ogf

$$-\frac{2 x (7 x^2 - 2 x + 1)}{5}$$

$$(x - 1)$$

Sequence: A117666
Score: 10.3026
Type of gen. func.: ogf

$$-\frac{(x^2 - 3 x + 1) (x^2 + x - 1)}{(x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A117666
Score: 10.7274
Type of gen. func.: lgdogf

$$-\frac{2 (x^8 - 3 x^7 - 5 x^6 + 13 x^5 - 14 x^4 + 11 x^3 - 7 x^2 + 1)}{(x - 1) (x^2 + x + 1) (x^2 - 3 x + 1) (x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A117671
Score: 3.87182
Type of gen. func.: ogf

$$\{(-27 n^2 - 108 n - 105) a(n + 1) + (4 n^2 + 18 n + 18) a(n + 2), a(0) = 1,$$
$$a(1) = 6\}$$

Sequence: A117671
Score: 4.09768
Type of gen. func.: ogf

$$-27 f(x)^3 x^3 + 4 f(x)^3 x^2 - 54 f(x)^2 x^2 + 8 f(x)^2 x - 31 f(x) x + 4 f(x) - x$$
$$- 4$$

Sequence: A117671
Score: 8.27489
Type of gen. func.: revogf

$$(-27 x^2 - 27 x - 4 + ((x + 1) (9 x + 1) (4 + 9 x)^2)^{1/2}) (x + 1)$$

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                                      2
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Sequence: A117672
Score: 5.71675
Type of gen. func.: ogf

$$\frac{x^{13}+3x^{12}+x^{11}+2x^{10}+x^{9}+2x^{8}+x^{7}+2x^{6}+x^{5}+2x^{4}+x^{3}+2x^{2}+x+2}{(x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A117676
Score: 4.44175
Type of gen. func.: ogf

$$\frac{-x(x+1)(x^{12}+2x^{11}+3x^{10}+24x^{9}-11x^{8}+26x^{7}-9x^{6}+26x^{5}-11x^{4}+24x^{3}+3x^{2}+2x+1)}{(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)^{2}(x-1)^{3}}$$

Sequence: A117691
Score: 10.3646
Type of gen. func.: ogf

$$-\frac{x^{7}+x^{6}+x^{5}-2x^{3}-3x^{2}-3x-4}{(x^{2}+1)^{2}(x-1)^{2}(x+1)^{2}}$$

Sequence: A117691
Score: 8.15426
Type of gen. func.: lgdogf

$$-\frac{x^{10}+2x^{9}+3x^{8}-3x^{6}-12x^{5}-16x^{4}-32x^{3}-6x^{2}-6x-3}{(x-1)(x+1)(x^{2}+1)(x^{7}+x^{6}+x^{5}-2x^{3}-3x^{2}-3x-4)}$$

Sequence: A117713
Score: 6.18613
Type of gen. func.: lgdogf

$$-\frac{120 x^{11} + 166 x^8 + 28 x^7 - 3 x^6 + 54 x^5 - 15 x^4 - 6 x^3 - 25 x^2 - 10 x - 3}{(x - 1) (x + 1) (10 x^3 - 1) (6 x^5 + 2 x^4 + x^3 + 5 x^2 + 2 x + 1) (x^2 - x + 1)}$$

Sequence: A117713
Score: 7.94352
Type of gen. func.: ogf

$$\frac{6 x^5 + 2 x^4 + x^3 + 5 x^2 + 2 x + 1}{(x - 1) (x + 1) (10 x^3 - 1) (x^2 - x + 1)}$$

Sequence: A117717
Score: 20.0580
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 3 x^2 + 12 x + 13}{(x - 1) (x^3 + 3 x + 2)}$$

Sequence: A117717
Score: 4.51839
Type of gen. func.: ogf

$$\{(n^2 + 14 n + 24) a(n + 1) + (-8 n^2 - 61 n - 66) a(n + 2) + (7 n^2 + 23 n + 18) a(n + 3), a(0) = 0, a(1) = 2, a(2) = 13\}$$

Sequence: A117717
Score: 9.79892
Type of gen. func.: ogf

3

$$-\frac{x\,(x + 3\,x + 2)}{(x - 1)^{5}}$$

Sequence: A117717
Score: 9.91841
Type of gen. func.: lgdogf

$$-\frac{2\,x^{3} + 3\,x^{2} + 12\,x + 13}{x^{4} - x^{3} + 3\,x^{2} - x - 2}$$

Sequence: A117719
Score: 10.3609
Type of gen. func.: ogf

$$-\frac{x^{3} + x^{2} - 2\,x - 1}{(x^{2} + 2\,x - 1)\,(x^{2} - 2\,x - 1)}$$

Sequence: A117719
Score: 6.53844
Type of gen. func.: ogf

$$(186\,f(x) - 7)\,(f(x)\,x^{4} - 6\,f(x)\,x^{2} + x^{3} + x^{2} + f(x) - 2\,x - 1)$$

Sequence: A117719
Score: 9.29565
Type of gen. func.: lgdogf

$$-\frac{x^{6} + 2\,x^{5} - 4\,x^{3} + 9\,x^{2} + 10\,x + 2}{(x^{2} + 2\,x - 1)\,(x^{2} - 2\,x - 1)\,(x^{3} + x^{2} - 2\,x - 1)}$$

Sequence: A117727
Score: 10.4735
Type of gen. func.: lgdogf

$$-\frac{100 x^5 + 10 x^4 - 25 x^2 - 10 x - 3}{(x - 1) (5 x^2 + 2 x + 1) (10 x^3 - 1)}$$

Sequence: A117727
Score: 10.6895
Type of gen. func.: ogf

$$\frac{5 x^2 + 2 x + 1}{(x - 1) (10 x^3 - 1)}$$

Sequence: A117727
Score: 5.95962
Type of gen. func.: ogf

$$(f(x) + 4) (10 f(x) x^4 - 10 f(x) x^3 - f(x) x - 5 x^2 + f(x) - 2 x - 1)$$

Sequence: A117748
Score: 10.1423
Type of gen. func.: ogf

$$-\frac{3 x (x^2 + x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A117748
Score: 11.4101
Type of gen. func.: lgdogf

$$-\frac{3 x^3 + 5 x^2 + 8 x + 2}{x^4 + x^3 - x - 1}$$

Sequence: A117748
Score: 19.2807
Type of gen. func.: lgdogf

$$-\frac{3x^3+5x^2+8x+2}{(x-1)(x+1)(x^2+x+1)}$$

Sequence: A117748
Score: 32.6913
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2+2x+2$$

Sequence: A117760
Score: 15.8848
Type of gen. func.: ogf

$$-\frac{1}{x^7+x^5+x^3+x-1}$$

Sequence: A117760
Score: 18.6243
Type of gen. func.: lgdogf

$$-\frac{7x^6+5x^4+3x^2+1}{x^7+x^5+x^3+x-1}$$

Sequence: A117760
Score: 9.26612
Type of gen. func.: lgdogf

$$-\frac{7x^6+5x^4+3x^2+1}{x^7+x^5+x^3+x-1}$$

Sequence: A117761
Score: 10.6118
Type of gen. func.: ogf

$$-\frac{x\left(x^{2}+x+1\right)\left(x^{2}-x+1\right)}{x^{7}+x^{5}+x^{3}+x-1}$$

Sequence: A117761
Score: 9.09045
Type of gen. func.: lgdogf

$$-\frac{3x^{10}+6x^{8}+9x^{6}+3x^{4}+4x^{3}+2x^{2}+2x+1}{\left(x^{2}+x+1\right)\left(x^{2}-x+1\right)\left(x^{7}+x^{5}+x^{3}+x-1\right)}$$

Sequence: A117791
Score: 16.9999
Type of gen. func.: ogf

$$-\frac{1}{x^{6}-x^{4}+x^{2}+x-1}$$

Sequence: A117791
Score: 9.56244
Type of gen. func.: lgdogf

$$-\frac{-6x^{5}+4x^{3}-2x-1}{-x^{6}+x^{4}-x^{2}-x+1}$$

Sequence: A117792
Score: 12.0756
Type of gen. func.: ogf

$$-\frac{x\left(x^{4}+1\right)}{x^{6}-x^{4}+x^{2}+x-1}$$

Sequence: A117792

Score: 14.8788
Type of gen. func.: lgdogf

$$-\frac{2x^9+4x^5-3x^4+2x+1}{(x^6-x^4+x^2+x-1)(x^4+1)}$$

Sequence: A117793
Score: 12.7634
Type of gen. func.: lgdogf

$$-\frac{6x^4+18x^3+38x^2+21x+7}{(x-1)(x+1)(3x^3+5x^2+6x+1)}$$

Sequence: A117793
Score: 7.97830
Type of gen. func.: lgdogf

$$-\frac{-6x^4-18x^3-38x^2-21x-7}{-3x^5-5x^4-3x^3+4x^2+6x+1}$$

Sequence: A117793
Score: 8.58535
Type of gen. func.: ogf

$$-\frac{5x(3x^3+5x^2+6x+1)}{(x+1)^2(x-1)^3}$$

Sequence: A117794
Score: 11.6430
Type of gen. func.: lgdogf

$$-\frac{12x^4+27x^3+65x^2+29x+11}{(x-1)(x+1)(6x^3+7x^2+10x+1)}$$

Sequence: A117794
Score: 7.41392
Type of gen. func.: lgdogf

$$-\frac{-12 x^4 - 27 x^3 - 65 x^2 - 29 x - 11}{-6 x^5 - 7 x^4 - 4 x^3 + 6 x^2 + 10 x + 1}$$

Sequence: A117794
Score: 8.21978
Type of gen. func.: ogf

$$-\frac{6 x (6 x^3 + 7 x^2 + 10 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A117795
Score: 11.4979
Type of gen. func.: lgdogf

$$-\frac{20 x^4 + 37 x^3 + 99 x^2 + 38 x + 16}{(x - 1) (x + 1) (10 x^3 + 9 x^2 + 15 x + 1)}$$

Sequence: A117795
Score: 7.36269
Type of gen. func.: lgdogf

$$-\frac{-20 x^4 - 37 x^3 - 99 x^2 - 38 x - 16}{-10 x^5 - 9 x^4 - 5 x^3 + 8 x^2 + 15 x + 1}$$

Sequence: A117795
Score: 8.15438
Type of gen. func.: ogf

$$-\frac{7 x (10 x^3 + 9 x^2 + 15 x + 1)}{}$$

$$(x + 1)^2 (x - 1)^3$$

Sequence: A117796
Score: 10.8328
Type of gen. func.: lgdogf

$$-\frac{42 x^4 + 60 x^3 + 188 x^2 + 59 x + 29}{(x - 1) (x + 1) (21 x^3 + 13 x^2 + 28 x + 1)}$$

Sequence: A117796
Score: 7.75398
Type of gen. func.: ogf

$$-\frac{9 x (21 x^3 + 13 x^2 + 28 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A117797
Score: 10.7506
Type of gen. func.: lgdogf

$$-\frac{56 x^4 + 73 x^3 + 243 x^2 + 71 x + 37}{(x - 1) (x + 1) (28 x^3 + 15 x^2 + 36 x + 1)}$$

Sequence: A117797
Score: 7.61498
Type of gen. func.: ogf

$$-\frac{10 x (28 x^3 + 15 x^2 + 36 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A117798
Score: 11.0375
Type of gen. func.: lgdogf

$$-\frac{64 x^4 + 83 x^3 + 273 x^2 + 79 x + 41}{(x - 1) (x + 1) (32 x^3 + 17 x^2 + 40 x + 1)}$$

Sequence: A117798
Score: 7.81436
Type of gen. func.: ogf

$$-\frac{20 x (32 x^3 + 17 x^2 + 40 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A117802
Score: 3.0517
Type of gen. func.: ogf

$$(215 f(x) + 25668) (f(x) x^2 + 6 x^3 - 2 f(x) x - 12 x^2 + f(x) + 4 x - 8)$$

Sequence: A117802
Score: 5.31587
Type of gen. func.: ogf

$$-\frac{2 (x - 2) (3 x^2 + 2)}{(x - 1)^2}$$

Sequence: A117802
Score: 7.53335
Type of gen. func.: lgdogf

$$\frac{3 x^3 - 9 x^2 + 10 x + 6}{(x - 1) (x - 2) (3 x^2 + 2)}$$

Sequence: A117804
Score: 11.5955
Type of gen. func.: lgdogf

$$-\frac{-8x^{10}+10x^{9}+2}{x^{11}-x^{10}+x-1}$$

Sequence: A117804
Score: 15.4374
Type of gen. func.: lgdogf

$$\frac{2(4x^{10}-5x^{9}-1)}{(x-1)(x^{2}+1)(x^{8}-x^{6}+x^{4}-x^{2}+1)}$$

Sequence: A117804
Score: 16.6976
Type of gen. func.: ogf

$$\frac{(x^{2}+1)(x^{8}-x^{6}+x^{4}-x^{2}+1)}{(x-1)^{2}}$$

Sequence: A117804
Score: 27.7259
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{19}+x^{9}+2$$

Sequence: A117821
Score: 5.77715
Type of gen. func.: ogf

$$-\frac{14x^{9}-28x^{8}+14x^{7}+8x^{6}-16x^{5}+12x^{4}-7x^{3}+3x^{2}-2x+1}{(x^{2}+x-1)(x-1)^{2}}$$

Sequence: A117822
Score: 6.00516

Type of gen. func.: ogf

$$-\frac{12 x^{9} - 24 x^{8} + 12 x^{7} + 6 x^{6} - 12 x^{5} + 8 x^{4} - 4 x^{3} + 2 x^{2} - 2 x + 1}{(x^{2} + x - 1) (x - 1)^{2}}$$

Sequence: A117823
Score: 6.37965
Type of gen. func.: lgdogf

$$\frac{36 x^{9} - 60 x^{8} - 96 x^{7} + 288 x^{6} - 226 x^{5} + 38 x^{4} + 48 x^{3} - 28 x^{2} - x + 3}{(x - 1) (x^{2} + x - 1) (12 x^{7} - 24 x^{6} + 12 x^{5} + 6 x^{4} - 8 x^{3} + 1)}$$

Sequence: A117823
Score: 7.51030
Type of gen. func.: ogf

$$-\frac{x (12 x^{7} - 24 x^{6} + 12 x^{5} + 6 x^{4} - 8 x^{3} + 1)}{(x^{2} + x - 1) (x - 1)^{2}}$$

Sequence: A117824
Score: 7.27434
Type of gen. func.: ogf

$$-\frac{x (8 x^{6} - 16 x^{5} + 12 x^{4} - 6 x^{3} + x^{2} - x + 1)}{(x^{2} + x - 1) (x - 1)^{2}}$$

Sequence: A117824
Score: 7.30750
Type of gen. func.: lgdogf

$$\frac{2 (8 x^{8} - 12 x^{7} - 28 x^{6} + 77 x^{5} - 68 x^{4} + 34 x^{3} - 11 x^{2} + 1)}{(x - 1) (x^{2} + x - 1) (8 x^{6} - 16 x^{5} + 12 x^{4} - 6 x^{3} + x^{2} - x + 1)}$$

Sequence: A117855
Score: 11.9479
Type of gen. func.: ogf

$$(6 f(x) - 11) (3 f(x) x^2 - f(x) + 2 x + 2)$$

Sequence: A117855
Score: 12.6946
Type of gen. func.: lgdogf

$$-\frac{-3 x^2 - 6 x - 1}{-3 x^3 - 3 x^2 + x + 1}$$

Sequence: A117855
Score: 12.6946
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n), a(0) = 2, a(1) = 2\}$$

Sequence: A117855
Score: 19.8160
Type of gen. func.: ogf

$$-\frac{2 (x + 1)}{3 x^2 - 1}$$

Sequence: A117855
Score: 24.9379
Type of gen. func.: revogf

$$\frac{-1 + (3 x^2 + 2 x + 1)^{1/2}}{2 + 3 x}$$

Sequence: A117855
Score: 26.6004
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 6 x + 1}{(x + 1) (3 x^2 - 1)}$$

Sequence: A117856
Score: 11.3003
Type of gen. func.: ogf

$$(20 f(x) - 57) (4 f(x) x^2 - f(x) + 3 x + 3)$$

Sequence: A117856
Score: 12.1832
Type of gen. func.: lgdogf

$$-\frac{-4 x^2 - 8 x - 1}{-4 x^3 - 4 x^2 + x + 1}$$

Sequence: A117856
Score: 12.1832
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n), a(0) = 3, a(1) = 3\}$$

Sequence: A117856
Score: 19.0176
Type of gen. func.: ogf

$$-\frac{3 (x + 1)}{(2 x - 1) (2 x + 1)}$$

Sequence: A117856
Score: 20.1509
Type of gen. func.: revogf

$$\frac{-3 + (16 x^2 + 12 x + 9)^{1/2}}{}$$

$$2 (4 x + 3)$$

Sequence: A117856
Score: 21.2704
Type of gen. func.: lgdogf

$$- \frac{4 x^2 + 8 x + 1}{(2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A117857
Score: 11.2476
Type of gen. func.: ogf

$$(15 f(x) - 58) (5 f(x) x^2 - f(x) + 4 x + 4)$$

Sequence: A117857
Score: 11.9397
Type of gen. func.: lgdogf

$$- \frac{-5 x^2 - 10 x - 1}{-5 x^3 - 5 x^2 + x + 1}$$

Sequence: A117857
Score: 12.1263
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n), a(0) = 4, a(1) = 4\}$$

Sequence: A117857
Score: 18.9288
Type of gen. func.: ogf

$$- \frac{4 (x + 1)}{5 x^2 - 1}$$

Sequence: A117857
Score: 23.8233
Type of gen. func.: revogf

$$\frac{-2 + (5 x^2 + 4 x + 4)^{1/2}}{4 + 5 x}$$

Sequence: A117857
Score: 24.5918
Type of gen. func.: lgdogf

$$- \frac{5 x^2 + 10 x + 1}{(x + 1) (5 x^2 - 1)}$$

Sequence: A117858
Score: 11.3211
Type of gen. func.: ogf

$$(42 f(x) - 205) (6 f(x) x^2 - f(x) + 5 x + 5)$$

Sequence: A117858
Score: 12.1920
Type of gen. func.: lgdogf

$$- \frac{-6 x^2 - 12 x - 1}{-6 x^3 - 6 x^2 + x + 1}$$

Sequence: A117858
Score: 12.3825
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n), a(0) = 5, a(1) = 5\}$$

Sequence: A117858
Score: 19.3288
Type of gen. func.: ogf

$$-\frac{5\,(x+1)}{6\,x^2-1}$$

Sequence: A117858
Score: 19.9711
Type of gen. func.: revogf

$$\frac{-5+(24\,x^2+20\,x+25)^{1/2}}{2\,(5+6\,x)}$$

Sequence: A117858
Score: 25.1250
Type of gen. func.: lgdogf

$$-\frac{6\,x^2+12\,x+1}{(x+1)\,(6\,x^2-1)}$$

Sequence: A117859
Score: 10.5202
Type of gen. func.: ogf

$$(28\,f(x)-165)\,(7\,f(x)\,x^2-f(x)+6\,x+6)$$

Sequence: A117859
Score: 11.3295
Type of gen. func.: lgdogf

$$-\frac{-7\,x^2-14\,x-1}{-7\,x^3-7\,x^2+x+1}$$

Sequence: A117859
Score: 11.5065
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n), a(0) = 6, a(1) = 6\}$$

Sequence: A117859
Score: 17.9614
Type of gen. func.: ogf

$$-\frac{6 (x + 1)}{7 x^2 - 1}$$

Sequence: A117859
Score: 23.3254
Type of gen. func.: lgdogf

$$-\frac{7 x^2 + 14 x + 1}{(x + 1) (7 x^2 - 1)}$$

Sequence: A117860
Score: 10.9963
Type of gen. func.: ogf

$$(72 f(x) - 497) (8 f(x) x^2 - f(x) + 7 x + 7)$$

Sequence: A117860
Score: 11.8421
Type of gen. func.: lgdogf

$$-\frac{-8 x^2 - 16 x - 1}{-8 x^3 - 8 x^2 + x + 1}$$

Sequence: A117860
Score: 12.0272
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n), a(0) = 7, a(1) = 7\}$$

Sequence: A117860
Score: 18.7741
Type of gen. func.: ogf

$$-\frac{7 (x + 1)}{8 x^2 - 1}$$

Sequence: A117860
Score: 19.3951
Type of gen. func.: revogf

$$\frac{-7 + (32 x^2 + 28 x + 49)^{1/2}}{2 (7 + 8 x)}$$

Sequence: A117860
Score: 24.4003
Type of gen. func.: lgdogf

$$-\frac{8 x^2 + 16 x + 1}{(x + 1) (8 x^2 - 1)}$$

Sequence: A117861
Score: 10.6408
Type of gen. func.: ogf

$$(45 f(x) - 356) (9 f(x) x^2 - f(x) + 8 x + 8)$$

Sequence: A117861
Score: 11.4594
Type of gen. func.: lgdogf

$$-\frac{-9 x^2 - 18 x - 1}{-9 x^3 - 9 x^2 + x + 1}$$

Sequence: A117861
Score: 11.6384
Type of gen. func.: ogf

$$\{-a(n + 2) + 9 a(n), a(0) = 8, a(1) = 8\}$$

Sequence: A117861
Score: 18.1673
Type of gen. func.: ogf

$$-\frac{8 (x + 1)}{(-1 + 3 x) (1 + 3 x)}$$

Sequence: A117861
Score: 19.2546
Type of gen. func.: lgdogf

$$-\frac{9 x^2 + 18 x + 1}{(-1 + 3 x) (1 + 3 x) (x + 1)}$$

Sequence: A117862
Score: 11.9626
Type of gen. func.: lgdogf

$$-\frac{6 x^3 + 6 x^2 - 6 x - 2}{3 x^4 - 4 x^2 + 1}$$

Sequence: A117862
Score: 15.3483
Type of gen. func.: ogf

$$\frac{2 (x + 1)}{(x - 1) (3 x^2 - 1)}$$

Sequence: A117862
Score: 17.7583

Type of gen. func.: lgdogf

$$-\frac{2 (3 x^3 + 3 x^2 - 3 x - 1)}{(x - 1) (x + 1) (3 x^2 - 1)}$$

Sequence: A117862
Score: 7.19875
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 3 a(n + 1) + 3 a(n), a(0) = 2, a(1) = 4, a(2) = 10\}$$

Sequence: A117862
Score: 9.68576
Type of gen. func.: ogf

$$3 f(x) x^3 - 3 f(x) x^2 - f(x) x - 2 x^2 + f(x) - 2 x$$

Sequence: A117863
Score: 11.2127
Type of gen. func.: lgdogf

$$-\frac{8 x^3 + 8 x^2 - 8 x - 2}{4 x^4 - 5 x^2 + 1}$$

Sequence: A117863
Score: 14.3861
Type of gen. func.: ogf

$$\frac{3 (x + 1)}{(x - 1) (2 x + 1) (2 x - 1)}$$

Sequence: A117863
Score: 14.6784
Type of gen. func.: lgdogf

$$2 (4 x^3 + 4 x^2 - 4 x - 1)$$

$$-\frac{}{(x-1)(2x+1)(2x-1)(x+1)}$$

Sequence: A117863
Score: 6.74746
Type of gen. func.: ogf

$$\{a(n+3) - a(n+2) - 4\,a(n+1) + 4\,a(n),\ a(0) = 3,\ a(1) = 6,\ a(2) = 18\}$$

Sequence: A117863
Score: 7.26154
Type of gen. func.: ogf

$$(11\,f(x) + 39)\,(4\,f(x)\,x^3 - 4\,f(x)\,x^2 - f(x)\,x + f(x) - 3\,x - 3)$$

Sequence: A117864
Score: 10.5389
Type of gen. func.: lgdogf

$$-\frac{10\,x^3 + 10\,x^2 - 10\,x - 2}{5\,x^4 - 6\,x^2 + 1}$$

Sequence: A117864
Score: 14.1182
Type of gen. func.: ogf

$$\frac{4\,(x+1)}{(x-1)\,(5\,x^2 - 1)}$$

Sequence: A117864
Score: 16.3258
Type of gen. func.: lgdogf

$$-\frac{2\,(5\,x^3 + 5\,x^2 - 5\,x - 1)}{(x-1)\,(x+1)\,(5\,x^2 - 1)}$$

Sequence: A117864
Score: 6.62181
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 5 a(n + 1) + 5 a(n), a(0) = 4, a(1) = 8, a(2) = 28\}$$

Sequence: A117864
Score: 7.12632
Type of gen. func.: ogf

$$(24 f(x) + 89) (5 f(x) x^3 - 5 f(x) x^2 - f(x) x + f(x) - 4 x - 4)$$

Sequence: A117865
Score: 10.7185
Type of gen. func.: lgdogf

$$-\frac{12 x^3 + 12 x^2 - 12 x - 2}{6 x^4 - 7 x^2 + 1}$$

Sequence: A117865
Score: 14.3587
Type of gen. func.: ogf

$$\frac{5 (x + 1)}{(x - 1) (6 x^2 - 1)}$$

Sequence: A117865
Score: 16.6120
Type of gen. func.: lgdogf

$$-\frac{2 (6 x^3 + 6 x^2 - 6 x - 1)}{(x - 1) (x + 1) (6 x^2 - 1)}$$

Sequence: A117865

Score: 6.67553
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 6 a(n + 1) + 6 a(n), a(0) = 5, a(1) = 10, a(2) = 40\}$$

Sequence: A117865
Score: 7.2477
Type of gen. func.: ogf

$$(22 f(x) + 85) (6 f(x) x^3 - 6 f(x) x^2 - f(x) x + f(x) - 5 x - 5)$$

Sequence: A117866
Score: 10.6536
Type of gen. func.: lgdogf

$$-\frac{14 x^3 + 14 x^2 - 14 x - 2}{7 x^4 - 8 x^2 + 1}$$

Sequence: A117866
Score: 14.2719
Type of gen. func.: ogf

$$\frac{6 (x + 1)}{(x - 1) (7 x^2 - 1)}$$

Sequence: A117866
Score: 16.5129
Type of gen. func.: lgdogf

$$-\frac{2 (7 x^3 + 7 x^2 - 7 x - 1)}{(x - 1) (x + 1) (7 x^2 - 1)}$$

Sequence: A117866
Score: 6.63517
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 7 a(n + 1) + 7 a(n), a(0) = 6, a(1) = 12, a(2) = 54\}$$

Sequence: A117866
Score: 7.06926
Type of gen. func.: ogf

$$(145 f(x) + 579) (7 f(x) x^{3} - 7 f(x) x^{2} - f(x) x + f(x) - 6 x - 6)$$

Sequence: A117867
Score: 10.4446
Type of gen. func.: lgdogf

$$- \frac{16 x^{3} + 16 x^{2} - 16 x - 2}{8 x^{4} - 9 x^{2} + 1}$$

Sequence: A117867
Score: 13.9918
Type of gen. func.: ogf

$$\frac{7 (x + 1)}{(x - 1) (8 x^{2} - 1)}$$

Sequence: A117867
Score: 16.1862
Type of gen. func.: lgdogf

$$- \frac{2 (8 x^{3} + 8 x^{2} - 8 x - 1)}{(x - 1) (x + 1) (8 x^{2} - 1)}$$

Sequence: A117867
Score: 6.50495
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 8 a(n + 1) + 8 a(n), a(0) = 7, a(1) = 14, a(2) = 70\}$$

Sequence: A117867
Score: 6.9305
Type of gen. func.: ogf

$$(111 f(x) + 455) (8 f(x) x^3 - 8 f(x) x^2 - f(x) x + f(x) - 7 x - 7)$$

Sequence: A117868
Score: 10.6199
Type of gen. func.: lgdogf

$$- \frac{18 x^3 + 18 x^2 - 18 x - 2}{9 x^4 - 10 x^2 + 1}$$

Sequence: A117868
Score: 14.4271
Type of gen. func.: ogf

$$\frac{8 (x + 1)}{(x - 1) (3 x - 1) (3 x + 1)}$$

Sequence: A117868
Score: 14.4510
Type of gen. func.: lgdogf

$$- \frac{2 (9 x^3 + 9 x^2 - 9 x - 1)}{(x - 1) (3 x - 1) (3 x + 1) (x + 1)}$$

Sequence: A117868
Score: 6.70732
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 9 a(n + 1) + 9 a(n), a(0) = 8, a(1) = 16, a(2) = 88\}$$

Sequence: A117868
Score: 7.14611
Type of gen. func.: ogf

$$(161 f(x) + 674) (9 f(x) x^3 - 9 f(x) x^2 - f(x) x + f(x) - 8 x - 8)$$

Sequence: A117886
Score: 9.78894
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^5 + x^4 - 1}{x^6 - x^5 + x - 1}$$

Sequence: A117899
Score: 10.4695
Type of gen. func.: lgdogf

$$-\frac{4 x^6 + 9 x^5 + 20 x^4 + 18 x^3 + 15 x^2 + 10 x + 2}{(x - 1) (x^2 + x + 1) (2 x^4 + 3 x^3 + 5 x^2 + 2 x + 1)}$$

Sequence: A117899
Score: 12.2799
Type of gen. func.: ogf

$$\frac{2 x^4 + 3 x^3 + 5 x^2 + 2 x + 1}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A117900
Score: 8.74509
Type of gen. func.: lgdogf

$$-\frac{6 x^7 + 20 x^6 + 32 x^5 + 34 x^4 + 33 x^3 + 22 x^2 + 8 x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (2 x^4 + 4 x^3 + 4 x^2 + 2 x + 1)}$$

Sequence: A117900
Score: 9.30456
Type of gen. func.: ogf

$$\frac{2 x^4 + 4 x^3 + 4 x^2 + 2 x + 1}{(x + 1) (x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A117902
Score: 10.1135
Type of gen. func.: lgdogf

$$- \frac{-4 x^4 + 6 x^2 - 2 x}{-8 x^6 - 4 x^5 + 6 x^3 + x^2 - 1}$$

Sequence: A117902
Score: 15.2657
Type of gen. func.: ogf

$$\frac{2 x^3 + x^2 - 1}{4 x^3 - 1}$$

Sequence: A117902
Score: 19.1140
Type of gen. func.: lgdogf

$$- \frac{2 x (x - 1) (2 x^2 + 2 x - 1)}{(2 x^3 + x^2 - 1) (4 x^3 - 1)}$$

Sequence: A117902
Score: 8.51664
Type of gen. func.: ogf

$$\{a(n + 4) - 4 a(n + 1), a(0) = 1, a(1) = 0, a(2) = -1, a(3) = 2\}$$

Sequence: A117902
Score: 9.98865
Type of gen. func.: ogf

$$(16 f(x) - 17) (4 f(x) x^3 - 2 x^3 - x^2 - f(x) + 1)$$

Sequence: A117905
Score: 10.2064
Type of gen. func.: lgdogf

$$- \frac{10 x^5 + 20 x^4 + 17 x^3 + 8 x^2 + 4 x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (2 x^2 + 2 x + 1)}$$

Sequence: A117905
Score: 9.63255
Type of gen. func.: ogf

$$\frac{2 x^2 + 2 x + 1}{(x + 1) (x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A117907
Score: 5.52417
Type of gen. func.: lgdogf

$$\frac{x^{10} + 2 x^9 + 3 x^8 + 4 x^7 + 5 x^6 + 10 x^5 + 3 x^4 + 2 x^3 + x^2 - 1}{(x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + 1)}$$

Sequence: A117909
Score: 10.4439
Type of gen. func.: lgdogf

$$- \frac{-3 x^5 - 10 x^3 - 9 x^2 - 2}{-x^6 - 2 x^4 + 2 x + 1}$$

Sequence: A117909
Score: 14.1085

Type of gen. func.: ogf

$$\frac{x^3 + 2 x + 1}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A117909
Score: 17.7501
Type of gen. func.: lgdogf

$$- \frac{3 x^5 + 10 x^3 + 9 x^2 + 2}{(x - 1) (x^2 + x + 1) (x^3 + 2 x + 1)}$$

Sequence: A117910
Score: 12.0998
Type of gen. func.: ogf

$$\frac{x^4 + x^2 + x + 1}{(x^2 - x + 1) (x + 1) (x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A117910
Score: 8.92481
Type of gen. func.: lgdogf

$$- \frac{5 x^9 + 7 x^7 + 11 x^6 + 9 x^5 + 3 x^4 + 7 x^3 + 3 x^2 + 2 x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 + x^2 + x + 1)}$$

Sequence: A117917
Score: 13.4234
Type of gen. func.: lgdogf

$$- \frac{2 (x^4 + x^2 + 3 x - 2)}{(x - 1) (x^2 - x + 1) (x^2 + 3 x - 1)}$$

Sequence: A117917
Score: 3.23506
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 1) + (-2 n - 9) a(n + 2) + (4 n + 13) a(n + 3) + (-n - 3) a(n + 4), a(0) = 1, a(1) = 4, a(2) = 15, a(3) = 52\}$$

Sequence: A117917
Score: 4.87708
Type of gen. func.: ogf

$$(284 f(x) - 33) (f(x) x^4 + f(x) x^3 - 6 f(x) x^2 + 5 f(x) x + x^2 - f(x) - x + 1)$$

Sequence: A117917
Score: 7.31564
Type of gen. func.: lgdogf

$$- \frac{-2 x^4 - 2 x^2 - 6 x + 4}{-x^5 - x^4 + 5 x^3 - 7 x^2 + 5 x - 1}$$

Sequence: A117917
Score: 9.33009
Type of gen. func.: ogf

$$- \frac{x^2 - x + 1}{(x^2 + 3 x - 1) (x - 1)^2}$$

Sequence: A117930
Score: 28.1775
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} + x^2 + 2$$

Sequence: A117930
Score: 6.77129

Type of gen. func.: lgdogf

$$-\left(17 x^{11} + 2 x^{10} + 2 x^{9} + 5 x^{8} + 2 x^{7} + 2 x^{6} + 5 x^{5} + 2 x^{4} + 2 x^{3} + 5 x^{2} + 2 x + 2\right) \Big/ \left((x - 1) (x^{2} + x + 1) (x + 1) (x^{2} - x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1)\right)$$

Sequence: A117930
Score: 7.64901
Type of gen. func.: ogf

$$\frac{1}{(x + 1) (x^{2} + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x^{2} + x + 1)^{2} (x - 1)^{4}}$$

Sequence: A117950
Score: 13.0856
Type of gen. func.: lgdogf

$$-\frac{-4 x^{2} + 2 x - 4}{-4 x^{3} + 9 x^{2} - 8 x + 3}$$

Sequence: A117950
Score: 13.7292
Type of gen. func.: ogf

$$-\frac{4 x^{2} - 5 x + 3}{(x - 1)^{3}}$$

Sequence: A117950
Score: 24.1692
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^{2} - x + 2)}{(x - 1) (4 x^{2} - 5 x + 3)}$$

Sequence: A117950
Score: 7.41132
Type of gen. func.: ogf

$$(44 f(x) - 87) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) - 5 x + 3)$$

Sequence: A117950
Score: 7.47750
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3, a(1) = 4, a(2) = 7\}$$

Sequence: A117951
Score: 12.6891
Type of gen. func.: lgdogf

$$- \frac{-6 x^2 + 6 x - 6}{-6 x^3 + 15 x^2 - 14 x + 5}$$

Sequence: A117951
Score: 13.7292
Type of gen. func.: ogf

$$- \frac{6 x^2 - 9 x + 5}{(x - 1)^3}$$

Sequence: A117951
Score: 25.6798
Type of gen. func.: lgdogf

$$- \frac{6 (x^2 - x + 1)}{(x - 1) (6 x^2 - 9 x + 5)}$$

Sequence: A117951
Score: 7.41132
Type of gen. func.: ogf

$$(4 f(x) - 101) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 6 x^2 - f(x) - 9 x + 5)$$

Sequence: A117951
Score: 7.47750
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 5, a(1) = 6, a(2) = 9\}$$

Sequence: A117957
Score: 26.8409
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^4}{x^4 - 1}$$

Sequence: A118000
Score: 6.39455
Type of gen. func.: ogf

$$- \frac{x (2 x^{10} - 2 x^9 - 2 x^8 + 2 x^7 - x^6 + 2 x^5 - x^4 - x^3 + x^2 + x + 1)}{(x + 1) (x - 1)^3}$$

Sequence: A118001
Score: 6.60650
Type of gen. func.: lgdogf

$$(14 x^{11} - 14 x^{10} - 28 x^9 + 28 x^8 + 11 x^7 - 9 x^6 + 3 x^5 - 9 x^4 + 4 x^3 - 6 x - 2) / ((x - 1) (x + 1) (2 x^{10} - 2 x^9 - 2 x^8 + 2 x^7 - x^6 + 2 x^5 - x^4 - x^3 + x^2 + x + 1))$$

Sequence: A118001
Score: 7.16172
Type of gen. func.: ogf

$$\frac{2 x^{10} - 2 x^{9} - 2 x^{8} + 2 x^{7} - x^{6} + 2 x^{5} - x^{4} - x^{3} + x^{2} + x + 1}{(x + 1) (x - 1)^{2}}$$

Sequence: A118002
Score: 7.30725
Type of gen. func.: ogf

$$- \frac{x (x^{8} - x^{7} + x^{6} + x^{4} + 2 x^{3} + x + 1)}{(x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x - 1)^{3}}$$

Sequence: A118003
Score: 9.65700
Type of gen. func.: ogf

$$\frac{x^{8} - x^{7} + x^{6} + x^{4} + 2 x^{3} + x + 1}{(x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A118004
Score: 10.9284
Type of gen. func.: lgdogf

$$- \frac{72 x - 13}{36 x^{2} - 13 x + 1}$$

Sequence: A118004
Score: 10.9695
Type of gen. func.: revogf

$$- \frac{-13 x - 5 + (5 + x)^{1/2} (1 + 5 x)^{1/2} 5^{1/2}}{72 x}$$

Sequence: A118004
Score: 14.5712
Type of gen. func.: ogf

$$\frac{5x}{(9x-1)(4x-1)}$$

Sequence: A118004
Score: 19.9801
Type of gen. func.: lgdogf

$$-\frac{72x-13}{(9x-1)(4x-1)}$$

Sequence: A118004
Score: 6.84671
Type of gen. func.: ogf

$$\{a(n+2)-13a(n+1)+36a(n), a(0)=0, a(1)=5\}$$

Sequence: A118004
Score: 9.31601
Type of gen. func.: ogf

$$-36f(x)x^2+13f(x)x-f(x)+5x$$

Sequence: A118005
Score: 11.3655
Type of gen. func.: lgdogf

$$-\frac{-90x-4}{-45x^2-4x+1}$$

Sequence: A118005
Score: 15.0405
Type of gen. func.: revogf

$$\frac{-1 - 4 x + (196 x^2 + 8 x + 1)^{1/2}}{90 x}$$

Sequence: A118005
Score: 16.7140
Type of gen. func.: ogf

$$- \frac{1}{(1 + 5 x) (9 x - 1)}$$

Sequence: A118005
Score: 20.6111
Type of gen. func.: lgdogf

$$- \frac{2 (2 + 45 x)}{(1 + 5 x) (9 x - 1)}$$

Sequence: A118005
Score: 6.45769
Type of gen. func.: ogf

$$-(53 f(x) - 45) (45 f(x) x^2 + 4 f(x) x - f(x) + 1)$$

Sequence: A118005
Score: 6.84671
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 45 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A118015
Score: 10.8558
Type of gen. func.: ogf

$$- \frac{x^3 (x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A118015
Score: 13.4164
Type of gen. func.: lgdogf

$$-\frac{6x^5+9x^4+4x^3+4x^2+4x+3}{(x-1)(x+1)(x^4+x^3+x^2+x+1)}$$

Sequence: A118015
Score: 28.7031
Type of gen. func.: ogf_with_Euler_transform]

$$[x^4-x+3]$$

Sequence: A118015
Score: 9.49882
Type of gen. func.: lgdogf

$$-\frac{6x^5+9x^4+4x^3+4x^2+4x+3}{x^6+x^5-x-1}$$

Sequence: A118057
Score: 11.6708
Type of gen. func.: lgdogf

$$-\frac{-3x^2+30x+21}{-3x^3+21x^2-17x-1}$$

Sequence: A118057
Score: 12.8002
Type of gen. func.: ogf

$$\frac{3x^2-18x-1}{(x-1)^3}$$

Sequence: A118057
Score: 21.0424
Type of gen. func.: lgdogf

$$- \frac{3 (x^2 - 10 x - 7)}{(x - 1) (3 x^2 - 18 x - 1)}$$

Sequence: A118057
Score: 6.90098
Type of gen. func.: ogf

$$(67 f(x) - 877) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 3 x^2 - f(x) + 18 x + 1)$$

Sequence: A118057
Score: 6.96152
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 21, a(2) = 57\}$$

Sequence: A118058
Score: 10.0032
Type of gen. func.: lgdogf

$$- \frac{-20 x^2 + 194 x + 120}{-20 x^3 + 137 x^2 - 116 x - 1}$$

Sequence: A118058
Score: 11.5662
Type of gen. func.: ogf

$$\frac{20 x^2 - 117 x - 1}{(x - 1)^3}$$

Sequence: A118058
Score: 16.8790
Type of gen. func.: lgdogf

$$-\frac{2\,(10\,x^2 - 97\,x - 60)}{(x-1)\,(20\,x^2 - 117\,x - 1)}$$

Sequence: A118058
Score: 6.06753
Type of gen. func.: ogf

$$(9612\,f(x) - 779125)$$

$$(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x - 20\,x^2 - f(x) + 117\,x + 1)$$

Sequence: A118058
Score: 6.38137
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 1,\ a(1) = 120,\ a(2) = 337\}$$

Sequence: A118059
Score: 11.0812
Type of gen. func.: ogf

$$\frac{119\,x^2 - 694\,x - 1}{(x-1)^3}$$

Sequence: A118059
Score: 15.3542
Type of gen. func.: lgdogf

$$-\frac{119\,x^2 - 1150\,x - 697}{(x-1)\,(119\,x^2 - 694\,x - 1)}$$

Sequence: A118059
Score: 5.80871
Type of gen. func.: ogf

$$(7033 f(x) - 3355785)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 119 x^2 - f(x) + 694 x + 1)$$

Sequence: A118059
Score: 6.15625
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 697, a(2) = 1969\}$$

Sequence: A118059
Score: 9.35430
Type of gen. func.: lgdogf

$$- \frac{-119 x^2 + 1150 x + 697}{-119 x^3 + 813 x^2 - 693 x - 1}$$

Sequence: A118060
Score: 11.1345
Type of gen. func.: ogf

$$\frac{696 x^2 - 4057 x - 1}{(x - 1)^3}$$

Sequence: A118060
Score: 14.4228
Type of gen. func.: lgdogf

$$- \frac{2 (348 x^2 - 3361 x - 2030)}{(x - 1) (696 x^2 - 4057 x - 1)}$$

Sequence: A118060

```
Score: 5.69669
Type of gen. func.: ogf


(328172 f(x) - 914197353)

           3           2                    2
    (f(x) x  - 3 f(x) x  + 3 f(x) x - 696 x  - f(x) + 4057 x + 1)



------------------------------------------------------------------------------

Sequence:  A118060
Score: 6.17541
Type of gen. func.: ogf


{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 4060, a(2) = 11481

    }



------------------------------------------------------------------------------

Sequence:  A118060
Score: 9.18592
Type of gen. func.: lgdogf


                                   2
                             -696 x  + 6722 x + 4060
                        - -------------------------------
                                3         2
                          -696 x  + 4753 x  - 4056 x - 1



------------------------------------------------------------------------------

Sequence:  A118061
Score: 11.4637
Type of gen. func.: lgdogf


                                   2
                          3 (1353 x  - 13066 x - 7887)
                       - --------------------------------
                                        2
                         (x - 1) (4059 x  - 23658 x - 1)



------------------------------------------------------------------------------

Sequence:  A118061
Score: 4.86208
Type of gen. func.: ogf


(26569 f(x) - 431509843)

           3           2                     2
    (f(x) x  - 3 f(x) x  + 3 f(x) x - 4059 x  - f(x) + 23658 x + 1)



------------------------------------------------------------------------------

Sequence:  A118061
```

Score: 5.26726
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 23661, a(2) = 66921\}$$

Sequence: A118061
Score: 7.34966
Type of gen. func.: lgdogf

$$- \frac{-4059 x^2 + 39198 x + 23661}{-4059 x^3 + 27717 x^2 - 23657 x - 1}$$

Sequence: A118061
Score: 9.29516
Type of gen. func.: ogf

$$\frac{4059 x^2 - 23658 x - 1}{(x - 1)^3}$$

Sequence: A118070
Score: 8.71447
Type of gen. func.: lgdogf

$$\frac{3 x^{15} - 7 x^{14} + 4 x^{13} + 12 x^{10} - 17 x^9 + 9 x^8 + 8 x^5 + 4}{(x - 1) (x + 1) (x^4 - x^3 + x^2 - x + 1) (x^{10} - x^9 - 2 x^5 - 2)}$$

Sequence: A118070
Score: 9.71446
Type of gen. func.: ogf

$$- \frac{x (x^{10} - x^9 - 2 x^5 - 2)}{(x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A118090
Score: 5.71963
Type of gen. func.: ogf

$$-(882x^{11}+594x^{10}+594x^{9}+155x^{8}+111x^{7}+760x^{6}+617x^{5}+375x^{4}+133x^{3}+98x^{2}+45x+1)\Big/\left((x-1)(x^{2}+x+1)(x^{6}+x^{3}+1)\right)$$

Sequence: A118093
Score: 7.21388
Type of gen. func.: lgdogf

$$-45+360x+576x^{2}+(384x^{3}+240x^{2}-60x+3)f(x)+(64x^{4}+48x^{3}-15x^{2}+x)f(x)^{2}$$

Sequence: A118101
Score: 5.52306
Type of gen. func.: lgdogf

$$\frac{512x^{8}-1632x^{6}-224x^{5}+496x^{4}+128x^{3}-119x^{2}-54x-7}{(x-1)(4x-1)(2x+1)(4x+1)(x+1)(16x^{4}-5x-1)}$$

Sequence: A118101
Score: 9.40904
Type of gen. func.: ogf

$$-\frac{(2x+1)(16x^{4}-5x-1)}{(x-1)(4x-1)(4x+1)(x+1)}$$

Sequence: A118108
Score: 14.2641
Type of gen. func.: ogf

$$\frac{7x+1}{(x-1)(4x-1)(4x+1)(x+1)}$$

Sequence: A118108
Score: 6.73581
Type of gen. func.: lgdogf

$$-\frac{-336 x^4 - 64 x^3 + 119 x^2 + 34 x + 7}{-112 x^5 - 16 x^4 + 119 x^3 + 17 x^2 - 7 x - 1}$$

Sequence: A118108
Score: 7.49965
Type of gen. func.: ogf

$$-(1161 f(x) - 3433) (16 f(x) x^4 - 17 f(x) x^2 + f(x) - 7 x - 1)$$

Sequence: A118108
Score: 8.63396
Type of gen. func.: lgdogf

$$-\frac{336 x^4 + 64 x^3 - 119 x^2 - 34 x - 7}{(x - 1) (4 x + 1) (7 x + 1) (4 x - 1) (x + 1)}$$

Sequence: A118109
Score: 12.9231
Type of gen. func.: ogf

$$\frac{111 x + 1}{(x - 1) (100 x - 1) (100 x + 1) (x + 1)}$$

Sequence: A118109
Score: 6.6301
Type of gen. func.: ogf

$$(21045233429 f(x) - 25926674959)$$

$$(10000 f(x) x^4 - 10001 f(x) x^2 + f(x) - 111 x - 1)$$

Sequence: A118120
Score: 7.12373
Type of gen. func.: ogf

$$\frac{x\,(5\,x^5 + 7\,x^4 + 5\,x^3 - 23\,x^2 - 21\,x - 7)}{(x - 1)\,(x^6 - 6\,x^3 + 1)}$$

Sequence: A118148
Score: 8.37175
Type of gen. func.: ogf

$$-\frac{468\,x^7 + 963\,x^6 + 319\,x^5 + 862\,x^4 + 118\,x^3 + 76\,x^2 + 52\,x + 1}{(x - 1)\,(x + 1)\,(x^2 + x + 1)\,(x^2 - x + 1)}$$

Sequence: A118168
Score: 5.36743
Type of gen. func.: ogf

$$(x^{30} - x^{29} + x^{25} - x^{24} + x^{20} - x^{19} + x^{15} - x^{14} + x^{11} - x^9 + x^8 + x^7 + x^4 + x^3 + 1) \,/\, ((x + 1)\,(x^2 + x + 1)\,(x^2 - x + 1)\,(x - 1)^2)$$

Sequence: A118171
Score: 10.7927
Type of gen. func.: ogf

$$-\frac{4\,x^3 - 12\,x^2 - 7\,x - 1}{(x - 1)\,(4\,x - 1)\,(4\,x + 1)\,(x + 1)}$$

Sequence: A118171
Score: 6.27098
Type of gen. func.: lgdogf

$$-\frac{64\,x^6 - 384\,x^5 - 268\,x^4 - 64\,x^3 + 107\,x^2 + 58\,x + 7}{(x - 1)\,(4\,x + 1)\,(4\,x - 1)\,(x + 1)\,(4\,x^3 - 12\,x^2 - 7\,x - 1)}$$

Sequence: A118171
Score: 6.67185
Type of gen. func.: ogf

$$(6605 f(x) - 1222) (16 f(x) x^4 - 17 f(x) x^2 + 4 x^3 - 12 x^2 + f(x) - 7 x - 1)$$

Sequence: A118173
Score: 8.28521
Type of gen. func.: ogf

$$- \frac{8 x^5 - 8 x^4 - 12 x^3 - 4 x^2 - 3 x - 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1) (4 x^2 + 1)}$$

Sequence: A118216
Score: 12.1813
Type of gen. func.: ogf

$$- \frac{630 x^4 + 135 x^3 + 76 x^2 + 70 x + 1}{(x - 1) (x^2 + x + 1)}$$

Sequence: A118216
Score: 7.45581
Type of gen. func.: ogf

$$(1690277541 f(x) + 49951861885)$$

$$(f(x) x^3 + 630 x^4 + 135 x^3 + 76 x^2 - f(x) + 70 x + 1)$$

Sequence: A118216
Score: 7.58661
Type of gen. func.: ogf

$\{a(n + 5) - a(n + 2), a(0) = 1, a(1) = 70, a(2) = 76, a(3) = 136, a(4) = 700\}$

Sequence: A118216
Score: 9.22426
Type of gen. func.: lgdogf

$$\frac{2\,(315\,x^6 - 38\,x^4 - 1330\,x^3 - 204\,x^2 - 76\,x - 35)}{(x - 1)\,(x^2 + x + 1)\,(630\,x^4 + 135\,x^3 + 76\,x^2 + 70\,x + 1)}$$

Sequence: A118239
Score: 10.9344
Type of gen. func.: lgdogf

$$-\frac{6\,x^2 + 16\,x + 2}{-x^4 + 10\,x^3 - 10\,x^2 + 2\,x - 1}$$

Sequence: A118239
Score: 11.8852
Type of gen. func.: ogf

$$\frac{x^3 - 9\,x^2 + x - 1}{(x - 1)^3}$$

Sequence: A118239
Score: 21.7481
Type of gen. func.: lgdogf

$$\frac{2\,(3\,x^2 + 8\,x + 1)}{(x - 1)\,(x^3 - 9\,x^2 + x - 1)}$$

Sequence: A118239
Score: 6.12001
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 2, a(2) = 12,

a(3) = 30}

Sequence: A118239
Score: 6.40689
Type of gen. func.: ogf

$$-(536 f(x) - 1901) (f(x) x^3 - 3 f(x) x^2 - x^3 + 3 f(x) x + 9 x^2 - f(x) - x + 1)$$

Sequence: A118256
Score: 8.53135
Type of gen. func.: ogf

$$\frac{x^8 + x^7 - x^6 + x^5 + x^3 + 1}{(x - 1) (10 x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A118263
Score: 6.75282
Type of gen. func.: ogf

$$- \frac{6 x^8 + 8 x^7 + 12 x^6 - 5 x^5 - 6 x^4 - 7 x^3 + x^2 + x + 1}{(3 x^3 - 1) (2 x^3 - 1) (4 x^3 - 1)}$$

Sequence: A118264
Score: 12.2506
Type of gen. func.: ogf

$$\frac{(x - 1)^3}{3 x - 1}$$

Sequence: A118264
Score: 16.2320
Type of gen. func.: lgdogf

$$\frac{6 x}{3 x^2 - 4 x + 1}$$

Sequence: A118264
Score: 37.6114
Type of gen. func.: lgdogf

$$\frac{6x}{(3x-1)(x-1)}$$

Sequence: A118264
Score: 6.83453
Type of gen. func.: ogf

{-a(n + 4) + 3 a(n + 3), a(0) = 1, a(1) = 0, a(2) = 3, a(3) = 8}

Sequence: A118264
Score: 7.46299
Type of gen. func.: ogf

$$-(f(x)-1)(-x^3+3f(x)x+3x^2-f(x)-3x+1)$$

Sequence: A118265
Score: 10.9759
Type of gen. func.: ogf

$$-\frac{(x-1)^4}{4x-1}$$

Sequence: A118265
Score: 16.3299
Type of gen. func.: lgdogf

$$\frac{12x}{4x^2-5x+1}$$

Sequence: A118265
Score: 36.6595
Type of gen. func.: lgdogf

12 x

```
-----------------
(4 x - 1) (x - 1)
```

Sequence: A118265
Score: 6.14245
Type of gen. func.: ogf

$$\{a(n + 5) - 4 a(n + 4), a(0) = 1, a(1) = 0, a(2) = 6, a(3) = 20, a(4) = 81\}$$

Sequence: A118265
Score: 6.97423
Type of gen. func.: ogf

$$(1951 f(x) - 999) (x^4 - 4 x^3 + 4 f(x) x + 6 x^2 - f(x) - 4 x + 1)$$

Sequence: A118266
Score: 14.2490
Type of gen. func.: lgdogf

$$\frac{20 x}{5 x^2 - 6 x + 1}$$

Sequence: A118266
Score: 3.84347
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 3) + (6 n + 12) a(n + 2) + (15 - 5 n) a(n + 1), a(0) = 1,$$
$$a(1) = 0, a(2) = 10\}$$

Sequence: A118266
Score: 31.9407
Type of gen. func.: lgdogf

$$\frac{20 x}{(5 x - 1) (x - 1)}$$

Sequence: A118266

Score: 8.22827
Type of gen. func.: ogf

$$\frac{(x-1)^5}{5x-1}$$

Sequence: A118271
Score: 12.3963
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4x^5+x^4-4x^3-2x^2-4x+1}{x^6-1}$$

Sequence: A118272
Score: 14.6748
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4x^5-2x^4-4x^2-2}{x^6-1}$$

Sequence: A118277
Score: 10.1451
Type of gen. func.: ogf

$$-\frac{x(x^2+5x+1)}{(x+1)^2(x-1)^3}$$

Sequence: A118277
Score: 11.1048
Type of gen. func.: lgdogf

$$-\frac{-3x^3-21x^2-12x-6}{-x^4-5x^3+5x+1}$$

Sequence: A118277
Score: 18.4081
Type of gen. func.: lgdogf

$$-\frac{3\,(x^3 + 7\,x^2 + 4\,x + 2)}{(x - 1)\,(x + 1)\,(x^2 + 5\,x + 1)}$$

Sequence: A118286
Score: 13.3445
Type of gen. func.: ogf

$$\frac{2\,(2\,x^2 + 1)}{(x^2 + 1)\,(x - 1)^2}$$

Sequence: A118286
Score: 19.3398
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^4 + 2\,x^2 + x + 1)}{(x - 1)\,(2\,x^2 + 1)\,(x^2 + 1)}$$

Sequence: A118286
Score: 4.35876
Type of gen. func.: ogf

$$\{(3\,n + 11)\,a(n + 1) + (-3\,n - 8)\,a(n + 2) + (3\,n + 11)\,a(n + 3)$$
$$+ (-3\,n - 8)\,a(n + 4),\ a(0) = 2,\ a(1) = 4,\ a(2) = 8,\ a(3) = 12\}$$

Sequence: A118286
Score: 6.67226
Type of gen. func.: ogf

$$-(3\,f(x) - 82)\,(f(x)\,x^4 - 2\,f(x)\,x^3 + 2\,f(x)\,x^2 - 2\,f(x)\,x - 4\,x^2 + f(x) - 2)$$

Sequence: A118286
Score: 9.85675
Type of gen. func.: lgdogf

$$-\frac{-4x^4-4x^2-2x-2}{-2x^5+2x^4-3x^3+3x^2-x+1}$$

Sequence: A118293
Score: 6.46559
Type of gen. func.: ogf

$$(36x^{13}+90x^{12}+27x^{11}+72x^{10}+9x^9-8x^8-7x^7-6x^6-5x^5-40x^4-93x^3-29x^2-82x-18) \Big/ ((x-1)(x^2+x+1)(x^6+x^3+1))$$

Sequence: A118294
Score: 7.68247
Type of gen. func.: ogf

$$(27x^{11}+90x^{10}+9x^9-9x^8-8x^7-7x^6-6x^5-5x^4-4x^3-30x^2-92x-19) \Big/ ((x-1)(x^2+x+1)(x^6+x^3+1))$$

Sequence: A118295
Score: 9.06260
Type of gen. func.: ogf

$$\frac{18x^9-10x^8-9x^7-8x^6-7x^5-6x^4-5x^3-4x^2-3x-20}{(x-1)(x^2+x+1)(x^6+x^3+1)}$$

Sequence: A118312
Score: 11.6632
Type of gen. func.: ogf

$$-\frac{4x^5-8x^4+12x^2+5x+1}{}$$

$$(x - 1)^3$$

Sequence: A118312
Score: 12.9601
Type of gen. func.: lgdogf

$$\frac{2 (2 x + 1) (2 x^4 - 8 x^3 + 12 x^2 - 9 x - 4)}{(x - 1) (4 x^5 - 8 x^4 + 12 x^2 + 5 x + 1)}$$

Sequence: A118321
Score: 13.1525
Type of gen. func.: ogf

$$- \frac{x (4 x^5 + 9 x^3 + x^2 + 6 x + 7)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A118321
Score: 8.68462
Type of gen. func.: lgdogf

$$- \frac{4 x^{10} + 27 x^8 + 4 x^7 + 30 x^6 + 42 x^5 + 20 x^4 + 27 x^2 + 2 x + 6}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (4 x^5 + 9 x^3 + x^2 + 6 x + 7)}$$

Sequence: A118337
Score: 7.21965
Type of gen. func.: ogf

$$\frac{x (8 x^5 + 7 x^4 + 8 x^3 - 36 x^2 - 21 x - 12)}{(x - 1) (x^6 - 6 x^3 + 1)}$$

Sequence: A118341
Score: 10.0259
Type of gen. func.: revogf

$$-\frac{(5x^2-2x+1)^{1/2}\,x+(5x^2-2x+1)^{1/2}-1-3x^2}{2x}$$

Sequence: A118341
Score: 6.24928
Type of gen. func.: ogf

$$-f(x)^3\,x^2+3\,f(x)^2\,x^2+2\,f(x)^2\,x-f(x)\,x^2-f(x)+1$$

Sequence: A118341
Score: 6.74638
Type of gen. func.: revogf

$$-\frac{(5x^2-2x+1)^{1/2}\,(x+1)}{2x}+\frac{3x^2+1}{2x}$$

Sequence: A118342
Score: 5.38854
Type of gen. func.: ogf

$$f(x)^3\,x^3+4\,f(x)^2\,x^3+6\,f(x)^2\,x^2-f(x)\,x^3+3\,f(x)\,x-f(x)+1$$

Sequence: A118346
Score: 12.5586
Type of gen. func.: revogf

$$-\frac{\left(1-2x+((6x-1)(2x-1))^{1/2}\right)x}{2\,(2x-1)}$$

Sequence: A118346
Score: 7.98692
Type of gen. func.: revogf

$$-\frac{\left(-2x+1+(12x^2-8x+1)^{1/2}\right)x}{2\,(2x-1)}$$

Sequence: A118346
Score: 7.98693
Type of gen. func.: ogf

$$-x f(x)^3 - 2 f(x)^2 x + 2 f(x) x + f(x) - 1$$

Sequence: A118347
Score: 6.6659
Type of gen. func.: ogf

$$-f(x)^3 x^2 + 8 f(x)^2 x^2 + 2 f(x)^2 x - 4 f(x) x^2 - f(x) + 1$$

Sequence: A118347
Score: 7.11528
Type of gen. func.: revogf

$$-\frac{(2 x + 1) (12 x^2 - 4 x + 1)^{1/2}}{8 x} + \frac{8 x^2 + 1}{8 x}$$

Sequence: A118347
Score: 9.70441
Type of gen. func.: revogf

$$-\frac{2 (12 x^2 - 4 x + 1)^{1/2} x + (12 x^2 - 4 x + 1)^{1/2} - 1 - 8 x^2}{8 x}$$

Sequence: A118348
Score: 5.71516
Type of gen. func.: ogf

$$f(x)^3 x^3 + 20 f(x)^2 x^3 + 9 f(x)^2 x^2 - 8 f(x) x^2 + 3 f(x) x - f(x) + 1$$

Sequence: A118351
Score: 12.5039

Type of gen. func.: revogf

$$-\frac{(1 - 3 x + ((7 x - 1) (3 x - 1))^{1/2}) x}{2 (3 x - 1)}$$

Sequence: A118351
Score: 7.52773
Type of gen. func.: revogf

$$-\frac{(-3 x + 1 + (21 x^2 - 10 x + 1)^{1/2}) x}{2 (3 x - 1)}$$

Sequence: A118351
Score: 7.6255
Type of gen. func.: ogf

$$-x f(x)^3 - 3 f(x)^2 x + 3 f(x) x + f(x) - 1$$

Sequence: A118352
Score: 6.14749
Type of gen. func.: ogf

$$-f(x)^3 x^2 + 15 f(x)^2 x^2 + 2 f(x)^2 x - 9 f(x) x^2 - f(x) + 1$$

Sequence: A118352
Score: 6.41477
Type of gen. func.: revogf

$$-\frac{(3 x + 1) (21 x^2 - 6 x + 1)^{1/2}}{18 x} + \frac{15 x^2 + 1}{18 x}$$

Sequence: A118352
Score: 9.03400
Type of gen. func.: revogf

$$3 (21 x^2 - 6 x + 1)^{1/2} x + (21 x^2 - 6 x + 1)^{1/2} - 1 - 15 x^2$$

```
         - ----------------------------------------------------------
                                        18 x
```

Sequence: A118353
Score: 5.19088
Type of gen. func.: ogf

$$f(x)^3 x^3 + 54 f(x)^2 x^3 + 12 f(x)^2 x^2 - 27 f(x) x^3 + 3 f(x) x - f(x) + 1$$

Sequence: A118375
Score: 10.2680
Type of gen. func.: lgdogf

$$-\frac{(x + 1) (2 x^5 - 9 x^4 + 14 x^3 - 18 x^2 + 8 x - 5)}{(x - 1) (x^2 + 1) (x^2 - x + 1) (x^2 - 2 x - 1)}$$

Sequence: A118375
Score: 7.87715
Type of gen. func.: ogf

$$-\frac{(x^2 - x + 1) (x^2 - 2 x - 1)}{(x^2 + 1) (x - 1)^4}$$

Sequence: A118376
Score: 12.3352
Type of gen. func.: ogf

$$2 f(x)^2 x^2 - 2 f(x)^2 x + f(x) - 1$$

Sequence: A118376
Score: 15.1619
Type of gen. func.: revogf

$$-\frac{-2 x^2 + x}{2 x^2 - 1}$$

Sequence: A118376
Score: 19.7698
Type of gen. func.: revogf

$$\frac{x\,(2\,x-1)}{2\,x^{2}-1}$$

Sequence: A118376
Score: 3.62076
Type of gen. func.: ogf

$$\{(8\,n+16)\,a(n+1)+(-16\,n-44)\,a(n+2)+(9\,n+33)\,a(n+3)$$
$$+(-n-5)\,a(n+4),\ a(0)=1,\ a(1)=2,\ a(2)=6,\ a(3)=24\}$$

Sequence: A118376
Score: 6.29039
Type of gen. func.: lgdogf

$$-\frac{(2\,x-1)\,(-1+(8\,x^{2}-8\,x+1)^{1/2})}{2\,(x-1)\,(8\,x^{2}-8\,x+1)^{1/2}\,x}$$

Sequence: A118395
Score: 23.8002
Type of gen. func.: lgdegf]

$$1+6\,x+6\,x^{2}+9\,x^{4}+(-3\,x^{2}-1)\,f(x)$$

Sequence: A118395
Score: 5.70201
Type of gen. func.: ogf

$$\{(3\,n^{2}+15\,n+18)\,a(n+1)-a(n+4)+a(n+3),\ a(0)=1,\ a(1)=1,$$
$$a(2)=1,\ a(3)=7\}$$

Sequence: A118396
Score: 5.03730
Type of gen. func.: lgdegf]

$$(9 n^2 - 72 n + 63) a(n + 1) + (4 n^2 - 8 n - 60) a(n + 3), a(0) = 1, a(1) = 0,$$
$$a(2) = 3, a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 0, a(7) = 0, a(8) = 9$$

Sequence: A118402
Score: 11.2933
Type of gen. func.: ogf

$$-\frac{(x^2 + 1) (2 x^2 + 2 x + 1)}{(x - 1) (x + 1)^2}$$

Sequence: A118402
Score: 15.0486
Type of gen. func.: lgdogf

$$\frac{2 x^5 + 2 x^4 - 9 x^3 - 7 x^2 - 7 x - 1}{(x - 1) (x + 1) (x^2 + 1) (2 x^2 + 2 x + 1)}$$

Sequence: A118402
Score: 6.03880
Type of gen. func.: ogf

$$\{-a(n + 5) - a(n + 4) + a(n + 3) + a(n + 2), a(0) = 1, a(1) = 1, a(2) = 3,$$
$$a(3) = 1, a(4) = 5\}$$

Sequence: A118402
Score: 6.79365
Type of gen. func.: ogf

$$(38 f(x) - 1)$$
$$(f(x) x^3 + 2 x^4 + f(x) x^2 + 2 x^3 - f(x) x + 3 x^2 - f(x) + 2 x + 1)$$

Sequence: A118403
Score: 10.5700
Type of gen. func.: ogf

$$-\frac{(x^2+1)(2x^2-2x+1)}{(x-1)^3}$$

Sequence: A118403
Score: 14.7808
Type of gen. func.: lgdogf

$$\frac{2x^4-8x^3+3x^2-2x-1}{(x-1)(x^2+1)(2x^2-2x+1)}$$

Sequence: A118403
Score: 5.65201
Type of gen. func.: ogf

{-a(n + 5) + 3 a(n + 4) - 3 a(n + 3) + a(n + 2), a(0) = 1, a(1) = 1, a(2) = 3,

a(3) = 5, a(4) = 9}

Sequence: A118403
Score: 6.83939
Type of gen. func.: ogf

$$f(x)\,(f(x)\,x^3+2x^4-3f(x)\,x^2-2x^3+3f(x)\,x+3x^2-f(x)-2x+1)$$

Sequence: A118403
Score: 8.47801
Type of gen. func.: lgdogf

$$-\frac{-2x^4+8x^3-3x^2+2x+1}{2x^5-4x^4+5x^3-5x^2+3x-1}$$

Sequence: A118405
Score: 11.0990
Type of gen. func.: lgdogf

$$-\frac{-2x^3-6x^2}{-2x^4-3x^3-3x^2-3x-1}$$

Sequence: A118405
Score: 13.1004
Type of gen. func.: ogf

$$\frac{(x+1)^2}{(2x+1)(x^2+1)}$$

Sequence: A118405
Score: 25.0846
Type of gen. func.: lgdogf

$$-\frac{2x^2(3+x)}{(2x+1)(x+1)(x^2+1)}$$

Sequence: A118405
Score: 7.26477
Type of gen. func.: ogf

$$\{-a(n+3)-2a(n+2)-a(n+1)-2a(n), a(0)=1, a(1)=0, a(2)=0\}$$

Sequence: A118405
Score: 8.97893
Type of gen. func.: ogf

$$2f(x)x^3+f(x)x^2+2f(x)x-x^2+f(x)-2x-1$$

Sequence: A118406
Score: 11.7053

Type of gen. func.: ogf

$$-\frac{5 x^{4} + 2 x^{2} - 1}{(x - 1) (2 x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A118406
Score: 8.11547
Type of gen. func.: lgdogf

$$-\frac{2 (5 x^{8} + 6 x^{6} - 2 x^{5} + 10 x^{4} - 8 x^{3} + 2 x^{2} - 2 x + 1)}{(x - 1) (2 x - 1) (x + 1) (x^{2} + 1) (5 x^{4} + 2 x^{2} - 1)}$$

Sequence: A118408
Score: 13.0041
Type of gen. func.: ogf

$$-\frac{(x + 1)^{2}}{(x - 1) (x^{2} + 1) (2 x^{2} + 2 x + 1)}$$

Sequence: A118408
Score: 15.1879
Type of gen. func.: lgdogf

$$-\frac{6 x^{5} + 10 x^{4} + x^{3} + 3 x^{2} - x + 1}{(x - 1) (x + 1) (x^{2} + 1) (2 x^{2} + 2 x + 1)}$$

Sequence: A118408
Score: 8.54558
Type of gen. func.: lgdogf

$$-\frac{-6 x^{5} - 10 x^{4} - x^{3} - 3 x^{2} + x - 1}{-2 x^{6} - 2 x^{5} - x^{4} + 2 x^{2} + 2 x + 1}$$

Sequence: A118409
Score: 7.22616
Type of gen. func.: ogf

$$- \frac{2 x^{6} - 2 x^{5} + 3 x^{4} - 2 x^{3} - 2 x^{2} - 1}{(x - 1) (2 x^{2} - 1) (2 x^{2} + 1) (x^{4} + 1)}$$

Sequence: A118414
Score: 10.6508
Type of gen. func.: lgdogf

$$- \frac{-24 x^{3} + 18 x^{2} + 11 x - 9}{-12 x^{4} + 24 x^{3} - 13 x^{2} + 1}$$

Sequence: A118414
Score: 12.3009
Type of gen. func.: ogf

$$- \frac{6 x^{2} - 3 x - 1}{(2 x - 1)^{2} (x - 1)^{2}}$$

Sequence: A118414
Score: 16.5289
Type of gen. func.: lgdogf

$$- \frac{24 x^{3} - 18 x^{2} - 11 x + 9}{(x - 1) (2 x - 1) (6 x^{2} - 3 x - 1)}$$

Sequence: A118414
Score: 3.83055
Type of gen. func.: ogf

$$\{(96 n^{2} + 192 n) a(n) + (52 n^{2} + 1166 n + 2310) a(n + 1)$$

2   2

$$+ (-246 n - 1671 n - 2079) a(n + 2) + (98 n + 459 n + 495) a(n + 3),$$

$$a(0) = 1, a(1) = 9, a(2) = 35\}$$

Sequence: A118414
Score: 6.2832
Type of gen. func.: ogf

$$-(82 f(x) - 3519)$$

$$(4 f(x) x^4 - 12 f(x) x^3 + 13 f(x) x^2 - 6 f(x) x + 6 x^2 + f(x) - 3 x - 1)$$

Sequence: A118415
Score: 13.2635
Type of gen. func.: lgdogf

$$- \frac{-12 x - 10}{-12 x^2 + 4 x + 1}$$

Sequence: A118415
Score: 15.0319
Type of gen. func.: ogf

$$\frac{6 x + 1}{(2 x - 1)^2}$$

Sequence: A118415
Score: 17.9218
Type of gen. func.: revogf

$$- \frac{-1 - 4 x + (1 + 32 x)^{1/2}}{4 (-3 + 2 x)}$$

Sequence: A118415
Score: 24.5595
Type of gen. func.: lgdogf

$$- \frac{2 (5 + 6 x)}{}$$

$$(6 x + 1) (2 x - 1)$$

Sequence: A118415
Score: 8.14984
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A118415
Score: 8.97758
Type of gen. func.: ogf

$$(8 f(x) + 17) (4 f(x) x^2 - 4 f(x) x + f(x) - 6 x - 1)$$

Sequence: A118417
Score: 16.0944
Type of gen. func.: revogf

$$- \frac{-1 - 2 x + (1 + 8 x)^{1/2}}{4 (x - 1)}$$

Sequence: A118417
Score: 17.1572
Type of gen. func.: ogf

$$\frac{2 (2 x + 1)}{(2 x - 1)^2}$$

Sequence: A118417
Score: 17.5471
Type of gen. func.: lgdogf

$$- \frac{4 x + 6}{4 x^2 - 1}$$

Sequence: A118417
Score: 19.6709
Type of gen. func.: lgdogf

$$- \frac{2 (3 + 2 x)}{(2 x - 1) (2 x + 1)}$$

Sequence: A118417
Score: 8.97758
Type of gen. func.: ogf

$$(8 f(x) + 65) (4 f(x) x^2 - 4 f(x) x + f(x) - 4 x - 2)$$

Sequence: A118417
Score: 9.30207
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 4 a(n), a(0) = 2, a(1) = 12\}$$

Sequence: A118418
Score: 2.55476
Type of gen. func.: ogf

$$-(2 f(x) x - f(x) - x + 1)^3$$

Sequence: A118425
Score: 11.4462
Type of gen. func.: ogf

$$\frac{x^3}{(x - 1)^2 (x^2 + x - 1)^2}$$

Sequence: A118425
Score: 13.4273
Type of gen. func.: lgdogf

$$- \frac{6 x^2 - 4}{}$$

$$x^3 - 2 x + 1$$

Sequence: A118425
Score: 23.9549
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^2 - 2)}{(x - 1) (x^2 + x - 1)}$$

Sequence: A118425
Score: 4.39131
Type of gen. func.: ogf

$\{(n + 4) a(n + 1) + (-2 n - 4) a(n + 3) + (n + 1) a(n + 4), a(0) = 0, a(1) = 0,$

$a(2) = 0, a(3) = 1\}$

Sequence: A118430
Score: 10.2213
Type of gen. func.: ogf

$$\frac{x^3}{(x^3 - x^2 + 2 x - 1)^2}$$

Sequence: A118430
Score: 11.0199
Type of gen. func.: lgdogf

$$- \frac{-6 x^2 + 4 x - 4}{-x^3 + x^2 - 2 x + 1}$$

Sequence: A118430
Score: 21.2650
Type of gen. func.: lgdogf

$$2$$

$$-\frac{2(3x - 2x + 2)}{x^3 - x^2 + 2x - 1}$$

Sequence: A118430
Score: 3.65426
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 1) + (n + 3) a(n + 2) + (-2 n - 4) a(n + 3) + (n + 1) a(n + 4),$$
$$a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$$

Sequence: A118434
Score: 10.4556
Type of gen. func.: lgdogf

$$-\frac{4x(4x^5 + 4x^4 + 4x^2 - 3x - 1)}{(2x^2 + 2x + 1)(2x^2 - 2x + 1)(4x^3 + 2x^2 + 1)}$$

Sequence: A118434
Score: 13.1438
Type of gen. func.: ogf

$$\frac{4x^3 + 2x^2 + 1}{(2x^2 - 2x + 1)(2x^2 + 2x + 1)}$$

Sequence: A118434
Score: 8.81797
Type of gen. func.: ogf

$$(f(x) - 3)(4 f(x) x^4 - 4x^3 - 2x^2 + f(x) - 1)$$

Sequence: A118436
Score: 8.24997
Type of gen. func.: ogf

$$5x^5 + 29x^4 - 6x^3 + 2x^2 + x + 1$$

$$-\frac{}{(x-1)(x+1)(5x^2-2x+1)(5x^2+2x+1)}$$

Sequence: A118437
Score: 5.19823
Type of gen. func.: ogf

$$\frac{256x^7-384x^6+32x^5-8x^3-1}{(2x-1)(4x^2+1)(8x^2-4x+1)(8x^2+4x+1)}$$

Sequence: A118439
Score: 8.72247
Type of gen. func.: ogf

$$\frac{5x^5-21x^4-6x^3-10x^2+x-1}{(x-1)(x+1)(5x^2-2x+1)(5x^2+2x+1)}$$

Sequence: A118440
Score: 5.62311
Type of gen. func.: ogf

$$\frac{256x^7-128x^6+96x^5-128x^4+16x^3-8x^2+2x-1}{(2x-1)(4x^2+1)(8x^2-4x+1)(8x^2+4x+1)}$$

Sequence: A118442
Score: 10.1722
Type of gen. func.: lgdogf

$$-\frac{-32x^3-48x^2+24x+4}{-16x^4-16x^3-4x+1}$$

Sequence: A118442
Score: 12.6332
Type of gen. func.: ogf

$$-\frac{x\,(4x^2+4x-1)}{(4x^2+1)^2}$$

Sequence: A118442
Score: 16.5662
Type of gen. func.: lgdogf

$$-\frac{4\,(2x-1)\,(4x^2+8x+1)}{(4x^2+1)\,(4x^2+4x-1)}$$

Sequence: A118442
Score: 6.75222
Type of gen. func.: ogf

$$\{(4n+12)\,a(n+1)+(n+1)\,a(n+3),\ a(0)=0,\ a(1)=1,\ a(2)=-4\}$$

Sequence: A118442
Score: 7.99241
Type of gen. func.: ogf

$$(8f(x)+7)\,(16f(x)x^4+8f(x)x^2+4x^3+4x^2+f(x)-x)$$

Sequence: A118443
Score: 6.16387
Type of gen. func.: ogf

$$-\frac{(x+1)\,(175x^5-45x^4+78x^3-18x^2+3x-1)}{(5x^2-2x+1)^2\,(5x^2+2x+1)^2}$$

Sequence: A118444
Score: 12.1073
Type of gen. func.: ogf

3 2

$$-\frac{15 x - 7 x + x - 1}{(5 x^{2} - 2 x + 1) (5 x^{2} + 2 x + 1)}$$

Sequence: A118444
Score: 7.58121
Type of gen. func.: ogf

$$(152 f(x) - 241) (25 f(x) x^{4} + 6 f(x) x^{2} + 15 x^{3} - 7 x^{2} + f(x) + x - 1)$$

Sequence: A118444
Score: 7.58121
Type of gen. func.: ogf

$$\{-a(n + 4) - 6 a(n + 2) - 25 a(n), a(0) = 1, a(1) = -1, a(2) = 1, a(3) = -9\}$$

Sequence: A118444
Score: 9.07605
Type of gen. func.: lgdogf

$$-\frac{375 x^{6} - 350 x^{5} - 15 x^{4} - 100 x^{3} - 39 x^{2} + 2 x - 1}{(5 x^{2} - 2 x + 1) (5 x^{2} + 2 x + 1) (15 x^{3} - 7 x^{2} + x - 1)}$$

Sequence: A118445
Score: 12.7754
Type of gen. func.: ogf

$$\mathrm{hypergeom}([5/2, 5/2], [4], 16 x)$$

Sequence: A118445
Score: 5.02970
Type of gen. func.: ogf

$$\{(-16 n^{2} - 112 n - 196) a(n + 1) + (n^{2} + 7 n + 10) a(n + 2), a(0) = 1, a(1) = 25\}$$

Sequence: A118465
Score: 10.1210
Type of gen. func.: ogf

$$\frac{3 x (3 + x) (3 x + 1)}{(x - 1)^4}$$

Sequence: A118465
Score: 11.3478
Type of gen. func.: lgdogf

$$-\frac{6 x^2 + 36 x + 22}{3 x^3 + 7 x^2 - 7 x - 3}$$

Sequence: A118465
Score: 19.4265
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^2 + 18 x + 11)}{(x - 1) (3 + x) (3 x + 1)}$$

Sequence: A118465
Score: 3.76360
Type of gen. func.: ogf

$$\{(9 + 3 n) a(n + 4) + (-8 + 7 n) a(n + 3) + (-43 - 7 n) a(n + 2) + (-6 - 3 n) a(n + 1), a(0) = 0, a(1) = 9, a(2) = 66, a(3) = 219\}$$

Sequence: A118465
Score: 5.34968
Type of gen. func.: ogf

$$(928 f(x) + 11631) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 9 x^3 - 4 f(x) x - 30 x^2 + f(x) - 9 x)$$

Sequence: A118471
Score: 6.52818
Type of gen. func.: ogf

$$-\frac{40823 x^{10} - 36792 x^{9} - 3591 x^{8} - 387 x^{7} - 53 x^{6} + 3 x^{3} - 3 x^{2} - 1}{(x - 1)^{2}}$$

Sequence: A118485
Score: 6.56058
Type of gen. func.: ogf

$$-\frac{11321 x^{4} - 218 x^{3} + 326 x^{2} - 168 x + 43}{(x - 1)^{5}}$$

Sequence: A118485
Score: 8.42270
Type of gen. func.: lgdogf

$$-\frac{11321 x^{4} + 44848 x^{3} + 324 x^{2} - 20 x + 47}{(x - 1) (11321 x^{4} - 218 x^{3} + 326 x^{2} - 168 x + 43)}$$

Sequence: A118517
Score: 10.4639
Type of gen. func.: ogf

$$-(52 f(x) - 11) (f(x) x^{3} + 9 x^{3} + 7 x^{2} - f(x) + 4 x + 1)$$

Sequence: A118517
Score: 13.6750
Type of gen. func.: lgdogf

$$-\frac{7 x^{4} + 8 x^{3} + 30 x^{2} + 14 x + 4}{(x - 1) (x^{2} + x + 1) (9 x^{3} + 7 x^{2} + 4 x + 1)}$$

Sequence: A118517
Score: 16.3384
Type of gen. func.: ogf

$$-\frac{9x^3+7x^2+4x+1}{(x-1)(x^2+x+1)}$$

Sequence: A118517
Score: 9.60090
Type of gen. func.: ogf

{a(n + 4) - a(n + 1), a(0) = 1, a(1) = 4, a(2) = 7, a(3) = 10}

Sequence: A118518
Score: 8.50933
Type of gen. func.: ogf

$$-\frac{72x^8+72x^7+45x^6+44x^5+14x^4+11x^3+8x^2+5x+2}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A118519
Score: 8.50933
Type of gen. func.: ogf

$$-\frac{3(27x^8+24x^7+18x^6+15x^5+8x^4+4x^3+3x^2+2x+1)}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A118520
Score: 9.10526
Type of gen. func.: ogf

$$-\frac{72x^7+72x^6+47x^5+44x^4+14x^3+11x^2+8x+5}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A118521
Score: 9.10526
Type of gen. func.: ogf

$$-\frac{3\,(27\,x^7 + 24\,x^6 + 19\,x^5 + 15\,x^4 + 8\,x^3 + 4\,x^2 + 3\,x + 2)}{(x - 1)\,(x + 1)\,(x^2 + x + 1)\,(x^2 - x + 1)}$$

Sequence: A118528
Score: 7.33276
Type of gen. func.: ogf

$$-\frac{99\,x^9 + 98\,x^8 + 78\,x^7 + 76\,x^6 + 56\,x^5 + 54\,x^4 + 34\,x^3 + 32\,x^2 + 12\,x + 1}{(x - 1)\,(x^2 + x + 1)\,(x^6 + x^3 + 1)}$$

Sequence: A118554
Score: 5.18302
Type of gen. func.: ogf

$$x\,(9\,x^9 + 12\,x^8 + 7\,x^7 + 12\,x^6 + 9\,x^5 - 43\,x^4 - 48\,x^3 - 21\,x^2 - 24\,x - 11) \Big/ ((x - 1)\,(x^{10} - 6\,x^5 + 1))$$

Sequence: A118557
Score: 10.0657
Type of gen. func.: lgdogf

$$\frac{10988\,x^3 - 32964\,x^2 + 21967\,x + 11}{(x - 1)\,(10988\,x^3 - 10979\,x^2 - 9\,x - 1)}$$

Sequence: A118557
Score: 4.88002
Type of gen. func.: ogf

$$(241483264013\,f(x) + 14611727083500436745)$$

$$(f(x)\,x^2 + 10988\,x^3 - 2\,f(x)\,x - 10979\,x^2 + f(x) - 9\,x - 1)$$

Sequence: A118557
Score: 5.51482
Type of gen. func.: ogf

```
{a(n + 4) - 2 a(n + 3) + a(n + 2), a(0) = 1, a(1) = 11, a(2) = 11000,

    a(3) = 11001}
```

Sequence: A118557
Score: 9.83077
Type of gen. func.: ogf

```
                                 3          2
                          10988 x  - 10979 x  - 9 x - 1
                        - -----------------------------
                                                   2
                                    (x - 1)
```

Sequence: A118558
Score: 6.09551
Type of gen. func.: ogf

```
                           4         3        2
                     1984 x  - 2120 x  + 510 x  - 61 x + 2
                ------------------------------------------------
                (x - 1) (4 x - 1) (2 x - 1) (8 x - 1) (16 x - 1)
```

Sequence: A118587
Score: 12.5663
Type of gen. func.: lgdogf

```
                                3        2
                           133 x  + 353 x  - 121 x + 43
                     - ------------------------------------
                                             3       2
                         (x - 1) (133 x  - 23 x  - 25 x + 17)
```

Sequence: A118587
Score: 4.64417
Type of gen. func.: ogf

```
                                      4           3           2        3
(425677059 f(x) + 13155071725) (f(x) x  - 4 f(x) x  + 6 f(x) x  - 133 x

                      2
```

$- 4 f(x) x + 23 x + f(x) + 25 x - 17)$

Sequence: A118587
Score: 7.98998
Type of gen. func.: lgdogf

$$- \frac{-133 x^3 - 353 x^2 + 121 x - 43}{-133 x^4 + 156 x^3 + 2 x^2 - 42 x + 17}$$

Sequence: A118587
Score: 9.06180
Type of gen. func.: ogf

$$\frac{133 x^3 - 23 x^2 - 25 x + 17}{(x - 1)^4}$$

Sequence: A118589
Score: 19.7054
Type of gen. func.: lgdegf]

$$3 x^2 + 2 x + 1$$

Sequence: A118589
Score: 3.60327
Type of gen. func.: ogf

$$\{(-3 n^2 - 15 n - 18) a(n + 1) + (-2 n - 6) a(n + 2) + a(n + 4) - a(n + 3),$$

$$a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 13\}$$

Sequence: A118589
Score: 38.6380
Type of gen. func.: lgdegf]

$$1 + 2 x + 3 x^2 - f(x)$$

Sequence: A118611
Score: 4.12260
Type of gen. func.: ogf

$$x\,(63\,x^{13} + 33\,x^{12} + 51\,x^{11} + 49\,x^{10} + 51\,x^{9} + 33\,x^{8} + 63\,x^{7} - 301\,x^{6} - 143\,x^{5} - 193\,x^{4} - 147\,x^{3} - 113\,x^{2} - 55\,x - 77) \Big/ ((x - 1)\,(x^{14} - 6\,x^{7} + 1))$$

Sequence: A118613
Score: 6.95599
Type of gen. func.: ogf

$$-(99\,x^{9} + 370\,x^{8} + 343\,x^{7} + 613\,x^{6} + 685\,x^{5} + 856\,x^{4} + 928\,x^{3} + 109\,x^{2} + 28\,x + 1) \Big/ ((x - 1)\,(x^{2} + x + 1)\,(x^{6} + x^{3} + 1))$$

Sequence: A118617
Score: 7.79639
Type of gen. func.: ogf

$$-\frac{99\,x^{9} + 96\,x^{8} + 56\,x^{7} + 52\,x^{6} + 120\,x^{5} + 98\,x^{4} + 76\,x^{3} + 54\,x^{2} + 32\,x + 1}{(x - 1)\,(x^{2} + x + 1)\,(x^{6} + x^{3} + 1)}$$

Sequence: A118619
Score: 11.9115
Type of gen. func.: lgdogf

$$-\frac{79\,x^{4} + 68\,x^{3} + 300\,x^{2} + 158\,x + 34}{(x - 1)\,(x^{2} + x + 1)\,(99\,x^{3} + 79\,x^{2} + 34\,x + 1)}$$

Sequence: A118619
Score: 14.5700
Type of gen. func.: ogf

3   2

$$-\frac{99 x + 79 x + 34 x + 1}{(x - 1) (x^2 + x + 1)}$$

Sequence: A118619
Score: 8.74200
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 1), a(0) = 1, a(1) = 34, a(2) = 79, a(3) = 100\}$$

Sequence: A118619
Score: 9.20212
Type of gen. func.: ogf

$$(59233 f(x) + 413063) (f(x) x^3 + 99 x^3 + 76 x^2 - f(x) + 34 x + 1)$$

Sequence: A118627
Score: 5.73912
Type of gen. func.: ogf

$$- (2 x^{13} + 4 x^{12} - 3 x^{11} - 17 x^{10} + 9 x^9 + 18 x^8 - 6 x^7 - 4 x^6 - 2 x^5 - x^4 - x^3 - x - 1) / ((x - 1) (x + 1) (x^4 + x^2 - 1))$$

Sequence: A118628
Score: 3.46786
Type of gen. func.: ogf

$$(9899010 x^{12} + 9900990 x^{11} - 10001000 x^{10} - 31007101 x^9 + 98010 x^8 + 99990 x^7 - 200000 x^6 - 110090 x^5 + 990 x^4 - 2000 x^3 - 1100 x^2 - 10 x - 3)/(x - 1)$$

Sequence: A118635
Score: 6.85402
Type of gen. func.: ogf

$$- (765 x^{10} - 522 x^9 - 9 x^8 + 9 x^7 + 567 x^6 + 63 x^5 + 36 x^4 + 72 x^3 + 43 x^2$$

$$+ 40 x + 1) \Big/ ((x - 1) (x^2 + x + 1))$$

Sequence: A118639
Score: 3.02664
Type of gen. func.: ogf

$$\frac{x^2 - 4 x - 1}{10 x^2 - 1}$$

Sequence: A118640
Score: 2.57527
Type of gen. func.: ogf

$$\frac{1 + 5 x}{(x - 1) (10 x^2 - 1)}$$

Sequence: A118645
Score: 5.34637
Type of gen. func.: ogf

$$(9 f(x) - 7) (2 f(x) x^4 - f(x) x^3 + 2 f(x) x^2 - x^3 - 3 f(x) x - x^2 + f(x))$$

Sequence: A118645
Score: 7.18419
Type of gen. func.: lgdogf

$$- \frac{6 x^4 + 6 x^3 - x^2 + 4 x - 4}{2 x^5 + x^4 + x^3 - x^2 - 2 x + 1}$$

Sequence: A118645
Score: 8.75322
Type of gen. func.: lgdogf

$$4 x^6 - 4 x^5 + 9 x^4 - 24 x^3 + 7 x^2 - 14 x + 10$$

$$- \frac{}{(2 x - 1) (2 x^3 - x^2 + 2 x - 4) (x^3 + x - 1)}$$

Sequence: A118645
Score: 9.99539
Type of gen. func.: ogf

$$\frac{x^2 (x + 1)}{(2 x - 1) (x^3 + x - 1)}$$

Sequence: A118646
Score: 6.11187
Type of gen. func.: ogf

$$\frac{x^2 (x^3 + x^2 - 2 x - 1)}{(2 x - 1) (x^6 - x^4 - x^2 - x + 1)}$$

Sequence: A118646
Score: 6.46398
Type of gen. func.: lgdogf

$$- \frac{8 x^9 + 7 x^8 - 32 x^7 - 9 x^6 + 24 x^5 + 3 x^4 - 2 x^3 + 8 x^2 + 4 x - 5}{(2 x - 1) (x^3 + x^2 - 2 x - 1) (x^6 - x^4 - x^2 - x + 1)}$$

Sequence: A118647
Score: 8.39228
Type of gen. func.: lgdogf

$$- \frac{(x + 1) (x^9 + x^8 - 4 x^6 - 3 x^5 - x^4 + 5 x^3 - x^2 + 2 x + 4)}{(x^6 - x^4 - x^2 - x + 1) (x^5 + x^4 - x^2 - 2 x - 2)}$$

Sequence: A118647
Score: 8.65832
Type of gen. func.: ogf

$$-\frac{x^5+x^4-x^2-2x-2}{x^6-x^4-x^2-x+1}$$

Sequence: A118648
Score: 6.69985
Type of gen. func.: lgdogf

$$-\frac{16x^8-8x^7-4x^6+34x^5-58x^4+19x^2-42x+25}{(2x-1)(x^4+x-1)(8x^4-2x^3-x^2+8x-11)}$$

Sequence: A118648
Score: 7.47808
Type of gen. func.: ogf

$$-\frac{8x^4-2x^3-x^2+8x-11}{(2x-1)(x^4+x-1)}$$

Sequence: A118649
Score: 12.1105
Type of gen. func.: ogf

$$-\frac{(x-1)(x+1)}{2x^3-2x^2-2x+1}$$

Sequence: A118649
Score: 13.5365
Type of gen. func.: lgdogf

$$-\frac{2(x^4-2x^2+x+1)}{(x-1)(x+1)(2x^3-2x^2-2x+1)}$$

Sequence: A118649
Score: 6.16336
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A118649
Score: 6.21888
Type of gen. func.: ogf

$$-(2 f(x) + 1) (2 f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + x^2 + f(x) - 1)$$

Sequence: A118649
Score: 7.84427
Type of gen. func.: lgdogf

$$- \frac{-2 x^4 + 4 x^2 - 2 x - 2}{-2 x^5 + 2 x^4 + 4 x^3 - 3 x^2 - 2 x + 1}$$

Sequence: A118650
Score: 11.5438
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 6 x^2 + 8 x - 3}{(x - 1) (4 x^3 - 12 x^2 + 8 x - 1)}$$

Sequence: A118650
Score: 6.02427
Type of gen. func.: ogf

$$4 f(x)^2 x^3 - 12 f(x)^2 x^2 + 8 f(x)^2 x - f(x)^2 + x^2 - 2 x + 1$$

Sequence: A118650
Score: 6.90587
Type of gen. func.: lgdogf

3   2

$$- \frac{2 x - 6 x + 8 x - 3}{4 x^4 - 16 x^3 + 20 x^2 - 9 x + 1}$$

Sequence: A118658
Score: 12.7061
Type of gen. func.: ogf

$$f(x) x^2 + f(x) x - f(x) - 2 x + 2$$

Sequence: A118658
Score: 15.3940
Type of gen. func.: lgdogf

$$- \frac{-x^2 + 2 x}{-x^3 + 2 x - 1}$$

Sequence: A118658
Score: 17.7886
Type of gen. func.: ogf

$$\frac{2 (x - 1)}{x^2 + x - 1}$$

Sequence: A118658
Score: 21.3357
Type of gen. func.: revogf

$$\frac{-2 - x + (5 x^2 - 4 x + 4)^{1/2}}{2 (-2 + x)}$$

Sequence: A118658
Score: 31.5768
Type of gen. func.: lgdogf

$$- \frac{x (-2 + x)}{}$$

$$(x - 1) (x^2 + x - 1)$$

Sequence: A118658
Score: 9.88256
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 2, a(1) = 0\}$$

Sequence: A118667
Score: 7.37687
Type of gen. func.: lgdogf

$$- \frac{x^9 + 13 x^8 + 25 x^7 + 29 x^6 + 27 x^5 + 29 x^4 + 37 x^3 + 25 x^2 + 11 x + 3}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (x^5 + 6 x^4 + 6 x^3 + 4 x^2 + 2 x + 1)}$$

Sequence: A118667
Score: 9.75281
Type of gen. func.: ogf

$$\frac{x (x^5 + 6 x^4 + 6 x^3 + 4 x^2 + 2 x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A118672
Score: 6.42891
Type of gen. func.: ogf

$$\frac{2 x^8 + 2 x^6 + x^4 + 2 x^2 + 2}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A118673
Score: 7.05526
Type of gen. func.: ogf

$$\frac{x (11 x^5 + 49 x^4 + 11 x^3 - 53 x^2 - 147 x - 13)}{}$$

$$(x - 1) (x^6 - 6 x^3 + 1)$$

Sequence: A118674
Score: 6.48643
Type of gen. func.: ogf

$$\frac{x (7 x^5 + 17 x^4 + 7 x^3 - 33 x^2 - 51 x - 9)}{(x - 1) (x^6 - 6 x^3 + 1)}$$

Sequence: A118675
Score: 6.90026
Type of gen. func.: ogf

$$\frac{x (12 x^5 + 23 x^4 + 12 x^3 - 56 x^2 - 69 x - 16)}{(x - 1) (x^6 - 6 x^3 + 1)}$$

Sequence: A118676
Score: 7.08620
Type of gen. func.: ogf

$$\frac{x (16 x^5 + 47 x^4 + 16 x^3 - 76 x^2 - 141 x - 20)}{(x - 1) (x^6 - 6 x^3 + 1)}$$

Sequence: A118714
Score: 5.88204
Type of gen. func.: ogf

$$\{(-n^3 - 12 n^2 - 47 n - 54) a(n + 1) + 6 a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A118719
Score: 5.47109
Type of gen. func.: ogf

$$x (x^6 + 7 x^5 + 53 x^4 + 40 x^3 + 53 x^2 + 7 x + 1)$$

$$\frac{}{(x+1)^3 (x-1)^4}$$

Sequence: A118719
Score: 6.83992
Type of gen. func.: lgdogf

$$-\frac{x^7 + 15 x^6 + 172 x^5 + 248 x^4 + 517 x^3 + 215 x^2 + 120 x + 8}{(x - 1) (x + 1) (x^6 + 7 x^5 + 53 x^4 + 40 x^3 + 53 x^2 + 7 x + 1)}$$

Sequence: A118729
Score: 10.6477
Type of gen. func.: lgdogf

$$-\frac{2 (5 x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A118729
Score: 11.1044
Type of gen. func.: ogf

$$-\frac{x^8}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^3}$$

Sequence: A118759
Score: 111.552
Type of gen. func.: lgdogf

$$-\frac{2}{x - 1}$$

Sequence: A118759
Score: 16.2629
Type of gen. func.: ogf

$$-\frac{x\,(89\,x^{97} + 178\,x^{96} + 1)}{267\,x^{97} - 178\,x^{96} - x^{2} + 2\,x - 1}$$

Sequence: A118759
Score: 38.8007
Type of gen. func.: revogf

$$\frac{4\,x}{(1 + (4\,x + 1)^{1/2})^{2}}$$

Sequence: A118759
Score: 48.7886
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A118760
Score: 11.1764
Type of gen. func.: ogf

$$\{a(n + 2) - 2\,a(n + 1) + a(n),\ a(0) = 0,\ a(1) = 1\}$$

Sequence: A118760
Score: 111.552
Type of gen. func.: lgdogf

$$-\frac{2}{x - 1}$$

Sequence: A118760
Score: 15.3438
Type of gen. func.: ogf

$$-f(x)\,x^{2} + 2\,f(x)\,x - f(x) + x$$

Sequence: A118760
Score: 27.4329
Type of gen. func.: ogf

$$\frac{x}{(x-1)^2}$$

Sequence: A118760
Score: 32.3317
Type of gen. func.: lgdogf

$$\frac{2}{-x+1}$$

Sequence: A118760
Score: 38.8007
Type of gen. func.: revogf

$$\frac{4x}{(1+(4x+1)^{1/2})^2}$$

Sequence: A118819
Score: 11.5044
Type of gen. func.: ogf

$$-\frac{90x^5+72x^4+36x^3+13x^2+7x+1}{(x-1)(x^2+x+1)}$$

Sequence: A118819
Score: 8.69206
Type of gen. func.: lgdogf

$$\frac{180x^7+72x^6-463x^4-302x^3-111x^2-26x-7}{(x-1)(x^2+x+1)(90x^5+72x^4+36x^3+13x^2+7x+1)}$$

Sequence: A118820
Score: 5.61019
Type of gen. func.: ogf

$$-(90 x^{14} + 90 x^{13} + 72 x^{12} + 72 x^{11} + 54 x^{10} + 54 x^{9} + 35 x^{8} + 33 x^{7} + 13 x^{6} + 11 x^{5} + 9 x^{4} + 7 x^{3} + 5 x^{2} + 3 x + 1) / ((x - 1) (x^{2} + x + 1) (x^{6} + x^{3} + 1))$$

Sequence: A118822
Score: 10.3330
Type of gen. func.: ogf

$$\{a(n + 4) + a(n), a(0) = 2, a(1) = -1, a(2) = 0, a(3) = -1\}$$

Sequence: A118822
Score: 16.9617
Type of gen. func.: ogf

$$-f(x) x^{4} - x^{3} - f(x) - x + 2$$

Sequence: A118822
Score: 18.3463
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^{2} + x + 2)}{x^{4} + 1}$$

Sequence: A118822
Score: 23.5025
Type of gen. func.: lgdogf

$$-\frac{x^{6} + 3 x^{4} - 8 x^{3} - 3 x^{2} - 1}{(x - 1) (x^{2} + x + 2) (x^{4} + 1)}$$

Sequence: A118825
Score: 11.5083
Type of gen. func.: ogf

$$-f(x) x^4 - x^3 - f(x) - x - 2$$

Sequence: A118825
Score: 12.4477
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 - x + 2)}{x^4 + 1}$$

Sequence: A118825
Score: 15.8038
Type of gen. func.: lgdogf

$$-\frac{x^6 + 3 x^4 + 8 x^3 - 3 x^2 - 1}{(x + 1) (x^2 - x + 2) (x^4 + 1)}$$

Sequence: A118825
Score: 7.01079
Type of gen. func.: ogf

$$\{-a(n + 4) - a(n), a(0) = -2, a(1) = -1, a(2) = 0, a(3) = -1\}$$

Sequence: A118828
Score: 10.3330
Type of gen. func.: ogf

$$\{a(n + 4) + a(n), a(0) = 1, a(1) = -1, a(2) = 0, a(3) = -1\}$$

Sequence: A118828
Score: 11.9863
Type of gen. func.: ogf

$$(2 f(x) - 5) (f(x) x^4 + x^3 + f(x) + x - 1)$$

Sequence: A118828
Score: 18.3463
Type of gen. func.: ogf

$$- \frac{x^3 + x - 1}{x^4 + 1}$$

Sequence: A118828
Score: 26.6361
Type of gen. func.: lgdogf

$$- \frac{x^6 + 3 x^4 - 4 x^3 - 3 x^2 - 1}{(x^3 + x - 1) (x^4 + 1)}$$

Sequence: A118831
Score: 10.2050
Type of gen. func.: ogf

$$\{-a(n + 4) - a(n), a(0) = -1, a(1) = -1, a(2) = 0, a(3) = -1\}$$

Sequence: A118831
Score: 11.8378
Type of gen. func.: ogf

$$(2 f(x) + 5) (f(x) x^4 + x^3 + f(x) + x + 1)$$

Sequence: A118831
Score: 18.1191
Type of gen. func.: ogf

$$- \frac{x^3 + x + 1}{x^4 + 1}$$

Sequence: A118831
Score: 26.3755
Type of gen. func.: lgdogf

$$-\frac{x^6 + 3x^4 + 4x^3 - 3x^2 - 1}{(x^3 + x + 1)(x^4 + 1)}$$

Sequence: A118837
Score: 6.32173
Type of gen. func.: ogf

$$-(90x^{12} + 90x^{11} + 54x^{10} + 54x^9 + 15x^8 + 101x^7 + 79x^6 + 57x^5 + 35x^4 + 13x^3 + 9x^2 + 5x + 1) / ((x - 1)(x^2 + x + 1)(x^6 + x^3 + 1))$$

Sequence: A118852
Score: 6.34767
Type of gen. func.: ogf

$$-(90x^{11} + 90x^{10} + 18x^9 + 101x^8 + 39x^7 + 103x^6 + 59x^5 + 105x^4 + 79x^3 + 17x^2 + 9x + 1) / ((x - 1)(x^2 + x + 1)(x^6 + x^3 + 1))$$

Sequence: A118856
Score: 7.79639
Type of gen. func.: ogf

$$-\frac{99x^9 + 78x^8 + 56x^7 + 34x^6 + 102x^5 + 98x^4 + 58x^3 + 54x^2 + 14x + 1}{(x - 1)(x^2 + x + 1)(x^6 + x^3 + 1)}$$

Sequence: A118857
Score: 7.73913
Type of gen. func.: ogf

$$-\frac{90x^6+18x^5+61x^4+15x^3+31x^2+12x+1}{(x-1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A118862
Score: 9.17526
Type of gen. func.: ogf

$$-\frac{90x^7+108x^6+49x^5+43x^4+82x^3+76x^2+16x+1}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A118864
Score: 7.41362
Type of gen. func.: ogf

$$-(99x^9+38x^8+102x^7+58x^6+104x^5+78x^4+106x^3+98x^2+18x+1)\Big/((x-1)(x^2+x+1)(x^6+x^3+1))$$

Sequence: A118870
Score: 11.5014
Type of gen. func.: ogf

$$\frac{x^2+1}{x^4-2x^3+x^2-2x+1}$$

Sequence: A118870
Score: 12.8681
Type of gen. func.: lgdogf

$$-\frac{2(x^5-x^4+2x^3-2x^2-1)}{(x^2+1)(x^4-2x^3+x^2-2x+1)}$$

Sequence: A118870
Score: 6.17842
Type of gen. func.: ogf

$$-f(x) (f(x) x^4 - 2 f(x) x^3 + f(x) x^2 - 2 f(x) x - x^2 + f(x) - 1)$$

Sequence: A118871
Score: 16.7297
Type of gen. func.: lgdogf

$$- \frac{4 (2 x^3 - 3 x^2 + x - 1)}{x^4 - 2 x^3 + x^2 - 2 x + 1}$$

Sequence: A118871
Score: 8.77289
Type of gen. func.: ogf

$$\frac{x^4}{(x^4 - 2 x^3 + x^2 - 2 x + 1)^2}$$

Sequence: A118871
Score: 8.88120
Type of gen. func.: lgdogf

$$- \frac{8 x^3 - 12 x^2 + 4 x - 4}{x^4 - 2 x^3 + x^2 - 2 x + 1}$$

Sequence: A118885
Score: 11.8509
Type of gen. func.: ogf

$$\frac{x^4}{(x - 1)^2 (x^3 + x^2 + x - 1)^2}$$

Sequence: A118885
Score: 13.9020
Type of gen. func.: lgdogf

$$- \frac{8 x^3 - 4}{x^4 - 2 x + 1}$$

Sequence: A118885
Score: 21.9062
Type of gen. func.: lgdogf

$$- \frac{4 (2 x^3 - 1)}{(x - 1) (x^3 + x^2 + x - 1)}$$

Sequence: A118891
Score: 6.12637
Type of gen. func.: ogf

$$- \frac{x^8 + x^7 - x^5 + 2 x^4 - x + 1}{x^9 - x^7 - x^6 + 4 x^5 - 2 x^4 - 2 x^2 + 3 x - 1}$$

Sequence: A118892
Score: 10.6309
Type of gen. func.: lgdogf

$$- \frac{-8 x^3 + 6 x^2 - 4}{-x^4 + x^3 - 2 x + 1}$$

Sequence: A118892
Score: 20.6544
Type of gen. func.: lgdogf

```
                   3      2
            2 (4 x  - 3 x  + 2)
          - -------------------
                4    3
```

$$x - x + 2 x - 1$$

Sequence: A118892
Score: 8.50475
Type of gen. func.: ogf

$$\frac{x^4}{(x^4 - x^3 + 2 x - 1)^2}$$

Sequence: A118898
Score: 10.1303
Type of gen. func.: ogf

$$\frac{x^4}{(x^4 + x^3 + x^2 + x - 1)^2}$$

Sequence: A118898
Score: 18.4878
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^3 + 3 x^2 + 2 x + 1)}{x^4 + x^3 + x^2 + x - 1}$$

Sequence: A118898
Score: 9.24391
Type of gen. func.: lgdogf

$$- \frac{-8 x^3 - 6 x^2 - 4 x - 2}{-x^4 - x^3 - x^2 - x + 1}$$

Sequence: A118906
Score: 7.13366
Type of gen. func.: ogf

```
        12      11       10      9      7      6      5    3      2
     6 x   - 6 x   - 10 x   + 8 x  + 6 x  + 4 x  - 7 x  + x  - 3 x  - 2 x - 1
   - ------------------------------------------------------------------------
                              2          2        2
                            (x  + 1) (x + 1)  (x - 1)



------------------------------------------------------------------------------

Sequence:  A118932
Score: 10.3413
Type of gen. func.: lgdegf]


          2      4    6        4      2                 2          2       3
   1 + 3 x   + 3 x   + x   + (-3 x   - 6 x   - 3) f(x) + (3 x   + 3) f(x)  - f(x)



------------------------------------------------------------------------------

Sequence:  A118934
Score: 38.9311
Type of gen. func.: lgdegf]


                                        2
                              (x + 1) (x  - x + 1)



------------------------------------------------------------------------------

Sequence:  A118934
Score: 4.10071
Type of gen. func.: egf]


{(n + 5) a(n + 5) - a(n + 4) - a(n + 1), a(0) = 1, a(1) = 1, a(2) = 1/2,

    a(3) = 1/6, a(4) = 7/24}



------------------------------------------------------------------------------

Sequence:  A118969
Score: 3.25482
Type of gen. func.: ogf


         4           3           2
{(-3125 n  - 21875 n  - 56875 n  - 65125 n - 27720) a(n + 1)

             4          3          2
     + (256 n  + 2176 n  + 6896 n  + 9656 n + 5040) a(n + 2), a(0) = 1,

    a(1) = 2}



------------------------------------------------------------------------------

Sequence:  A118970
Score: 3.05525
Type of gen. func.: ogf


        4           3           2
{(3125 n  + 25000 n  + 74375 n  + 97500 n + 47520) a(n + 1)
```

$$+ (-256 n^4 - 2432 n^3 - 8624 n^2 - 13528 n - 7920) a(n + 2), a(0) = 1,$$

$$a(1) = 3\}$$

Sequence: A118971
Score: 20.4008
Type of gen. func.: revogf

$$x (x - 1)^4$$

Sequence: A118971
Score: 62.1604
Type of gen. func.: revogf

$$x (x - 1)^4$$

Sequence: A118973
Score: 5.9681
Type of gen. func.: ogf

$$f(x)^2 x^3 + 2 f(x)^2 x^2 - f(x) x^2 + 2 f(x) x + x^2 - f(x) - 2 x + 1$$

Sequence: A118974
Score: 3.9394
Type of gen. func.: ogf

$$f(x)^2 x^4 + 2 f(x) x^4 - 3 f(x)^2 x^2 - 3 f(x) x^3 + x^4 + 2 f(x)^2 x - f(x) x^2 - 2 x^3$$

$$+ 3 f(x) x + 2 x^2 - f(x)$$

Sequence: A118979
Score: 14.3649
Type of gen. func.: ogf

$$- \frac{12}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A118979
Score: 15.1287
Type of gen. func.: lgdogf

$$-\frac{2\,(9\,x^2 - 11\,x + 3)}{(x - 1)\,(3\,x - 1)\,(2\,x - 1)}$$

Sequence: A118979
Score: 5.27942
Type of gen. func.: ogf

{a(n + 3) - 6 a(n + 2) + 11 a(n + 1) - 6 a(n), a(0) = 12, a(1) = 72, a(2) = 300

}

Sequence: A118979
Score: 5.61539
Type of gen. func.: ogf

$$(22631\,f(x) - 125712)\,(6\,f(x)\,x^3 - 11\,f(x)\,x^2 + 6\,f(x)\,x - f(x) + 12)$$

Sequence: A118979
Score: 9.21928
Type of gen. func.: lgdogf

$$-\frac{18\,x^2 - 22\,x + 6}{6\,x^3 - 11\,x^2 + 6\,x - 1}$$

Sequence: A119016
Score: 10.8642
Type of gen. func.: ogf

$$f(x)\,x^4 + 2\,f(x)\,x^2 + 2\,x^3 - x^2 - f(x) + 1$$

Sequence: A119016
Score: 13.3576

Type of gen. func.: ogf

$$-\frac{2x^3 - x^2 + 1}{x^4 + 2x^2 - 1}$$

Sequence: A119016
Score: 14.3500
Type of gen. func.: lgdogf

$$-\frac{2x(x+1)(x^4 - 2x^3 + 2x + 1)}{(2x^3 - x^2 + 1)(x^4 + 2x^2 - 1)}$$

Sequence: A119032
Score: 10.8229
Type of gen. func.: lgdogf

$$-\frac{2(x^3 - 23x^2 + 171x - 85)}{(x-1)(x-9)(x^2 - 18x + 1)}$$

Sequence: A119032
Score: 4.77950
Type of gen. func.: ogf

{-a(n + 3) + 19 a(n + 2) - 19 a(n + 1) + a(n), a(0) = 0, a(1) = 9, a(2) = 170}

Sequence: A119032
Score: 5.2347
Type of gen. func.: ogf

$$-f(x)(f(x)x^3 - 19f(x)x^2 + 19f(x)x - x^2 - f(x) + 9x)$$

Sequence: A119032
Score: 6.10714
Type of gen. func.: lgdogf

$$-\frac{-2x^3+46x^2-342x+170}{-x^4+28x^3-190x^2+172x-9}$$

Sequence: A119032
Score: 9.31598
Type of gen. func.: ogf

$$\frac{x(x-9)}{(x-1)(x^2-18x+1)}$$

Sequence: A119255
Score: 11.3757
Type of gen. func.: ogf

$$-1+f(x)-f(x)^2x-f(x)^3x^3$$

Sequence: A119255
Score: 13.9827
Type of gen. func.: revogf

$$-\frac{-x^2+x}{-x^3-1}$$

Sequence: A119255
Score: 27.4223
Type of gen. func.: revogf

$$-\frac{x(x-1)}{(x+1)(x^2-x+1)}$$

Sequence: A119259
Score: 3.24089
Type of gen. func.: ogf

2 2

$$\{(16 n + 56 n + 48) a(n + 1) + (6 n - 4 n - 42) a(n + 2) + (-9 n^2 - 53 n - 78) a(n + 3) + (n^2 + 7 n + 12) a(n + 4), a(0) = 1, a(1) = 3, a(2) = 17, a(3) = 111\}$$

Sequence: A119259
Score: 8.47617
Type of gen. func.: ogf

$$-8 f(x)^2 x^2 - 7 f(x)^2 x + f(x)^2 + 8 f(x) x - f(x) - 4 x$$

Sequence: A119282
Score: 13.5904
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = -1, a(2) = 0\}$$

Sequence: A119282
Score: 15.2478
Type of gen. func.: ogf

$$(7 f(x) - 22) (f(x) x^3 - 2 f(x) x^2 + f(x) + x)$$

Sequence: A119282
Score: 22.3271
Type of gen. func.: lgdogf

$$- \frac{3 x^2 - 4 x}{x^3 - 2 x^2 + 1}$$

Sequence: A119282
Score: 30.4956
Type of gen. func.: ogf

$$- \frac{x}{(x - 1) (x^2 - x - 1)}$$

Sequence: A119282
Score: 49.6576
Type of gen. func.: lgdogf

$$-\frac{x(-4+3x)}{(x-1)(x^2-x-1)}$$

Sequence: A119283
Score: 15.3353
Type of gen. func.: lgdogf

$$-\frac{-3x^3-9x^2-8x}{-x^4-3x^3+3x+1}$$

Sequence: A119283
Score: 16.0431
Type of gen. func.: ogf

$$-\frac{x(x+1)}{(x^2+3x+1)(x-1)^2}$$

Sequence: A119283
Score: 27.5035
Type of gen. func.: lgdogf

$$-\frac{x(3x^2+9x+8)}{(x-1)(x+1)(x^2+3x+1)}$$

Sequence: A119283
Score: 7.44857
Type of gen. func.: ogf

$\{a(n+4)+a(n+3)-4a(n+2)+a(n+1)+a(n), a(0)=0, a(1)=-1,$

$a(2)=0, a(3)=-4\}$

Sequence: A119283
Score: 8.14691
Type of gen. func.: ogf

$$(456 f(x) - 47) (f(x) x^4 + f(x) x^3 - 4 f(x) x^2 + f(x) x + x^2 + f(x) + x)$$

Sequence: A119284
Score: 13.0577
Type of gen. func.: ogf

$$- \frac{x (x^2 - 2 x - 1)}{(x - 1) (x^2 + x - 1) (x^2 - 4 x - 1)}$$

Sequence: A119284
Score: 13.9533
Type of gen. func.: lgdogf

$$- \frac{x (3 x^5 - 16 x^4 + 16 x^3 + 28 x^2 - 7 x - 16)}{(x - 1) (x^2 + x - 1) (x^2 - 4 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A119284
Score: 8.13592
Type of gen. func.: lgdogf

$$- \frac{3 x^6 - 16 x^5 + 16 x^4 + 28 x^3 - 7 x^2 - 16 x}{x^7 - 6 x^6 + 4 x^5 + 19 x^4 - 17 x^3 - 6 x^2 + 4 x + 1}$$

Sequence: A119285
Score: 10.8734
Type of gen. func.: ogf

$$- \frac{x (x^2 + 5 x + 1)}{(x + 1) (x^2 + 7 x + 1) (x^2 - 3 x + 1)}$$

Sequence: A119285
Score: 11.1706
Type of gen. func.: lgdogf

$$-\frac{x (3 x^5 + 30 x^4 + 65 x^3 - 130 x^2 - 125 x - 32)}{(x + 1) (x^2 + 5 x + 1) (x^2 + 7 x + 1) (x^2 - 3 x + 1)}$$

Sequence: A119285
Score: 6.58755
Type of gen. func.: lgdogf

$$-\frac{3 x^6 + 30 x^5 + 65 x^4 - 130 x^3 - 125 x^2 - 32 x}{x^7 + 10 x^6 + 11 x^5 - 85 x^4 - 85 x^3 + 11 x^2 + 10 x + 1}$$

Sequence: A119286
Score: 9.22672
Type of gen. func.: ogf

$$-\frac{x (x^4 - 7 x^3 - 16 x^2 + 7 x + 1)}{(x - 1) (x^2 + 4 x - 1) (x^2 - 11 x - 1) (x^2 - x - 1)}$$

Sequence: A119287
Score: 6.63859
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^4 + 11 x^3 - 64 x^2 + 11 x + 1)}{(x^2 + 18 x + 1) (x^2 + 3 x + 1) (x^2 - 7 x + 1) (x - 1)^2}$$

Sequence: A119303
Score: 14.0056
Type of gen. func.: ogf

$$3 x - 1$$

```
                                -----------------
                                 3      2
                                x  - 2 x  + x - 1



------------------------------------------------------------------------------

Sequence:  A119303
Score: 15.6139
Type of gen. func.: lgdogf

                                   3      2
                                6 x  - 9 x  + 4 x + 2
                          - ------------------------------
                                            3      2
                            (3 x - 1) (x  - 2 x  + x - 1)



------------------------------------------------------------------------------

Sequence:  A119303
Score: 6.62767
Type of gen. func.: ogf

   {a(n + 3) - a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = -2, a(2) = -4}



------------------------------------------------------------------------------

Sequence:  A119303
Score: 6.93738
Type of gen. func.: ogf

                                 3            2
        (115 f(x) + 191) (f(x) x  - 2 f(x) x  + f(x) x - f(x) - 3 x + 1)



------------------------------------------------------------------------------

Sequence:  A119303
Score: 9.27874
Type of gen. func.: lgdogf

                                   3      2
                               -6 x  + 9 x  - 4 x - 2
                          - ------------------------------
                                4      3      2
                            -3 x  + 7 x  - 5 x  + 4 x - 1



------------------------------------------------------------------------------

Sequence:  A119306
Score: 12.2534
Type of gen. func.: ogf

                                       4 x - 1
                             - -------------------------
                                4      3      2
                               x  - 3 x  + 3 x  - x + 1
```

Sequence: A119306
Score: 13.0822
Type of gen. func.: lgdogf

$$-\frac{12 x^4 - 28 x^3 + 21 x^2 - 6 x - 3}{(4 x - 1) (x^4 - 3 x^3 + 3 x^2 - x + 1)}$$

Sequence: A119306
Score: 5.79426
Type of gen. func.: ogf

$$-(229 f(x) - 850) (f(x) x^4 - 3 f(x) x^3 + 3 f(x) x^2 - f(x) x + f(x) + 4 x - 1)$$

Sequence: A119306
Score: 7.40059
Type of gen. func.: lgdogf

$$-\frac{12 x^4 - 28 x^3 + 21 x^2 - 6 x - 3}{4 x^5 - 13 x^4 + 15 x^3 - 7 x^2 + 5 x - 1}$$

Sequence: A119309
Score: 11.0301
Type of gen. func.: ogf

$$-24 f(x)^2 x + f(x)^2 - 1$$

Sequence: A119309
Score: 16.9128
Type of gen. func.: lgdogf

$$\frac{12}{-24 x + 1}$$

Sequence: A119309
Score: 18.3812
Type of gen. func.: revogf

$$(-12 x + (144 x^2 + 1)^{1/2}) x$$

Sequence: A119309
Score: 38.1764
Type of gen. func.: lgdogf

$$- \frac{12}{-1 + 24 x}$$

Sequence: A119309
Score: 4.74191
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (36 + 24 n) a(n + 1), a(0) = 1, a(1) = 12\}$$

Sequence: A119327
Score: 13.5039
Type of gen. func.: lgdogf

$$- \frac{8 x^4 - 12 x^2 + 8 x + 1}{(x - 1) (8 x^4 - 16 x^3 + 12 x^2 - 4 x + 1)}$$

Sequence: A119327
Score: 7.80998
Type of gen. func.: ogf

$$- \frac{8 x^4 - 16 x^3 + 12 x^2 - 4 x + 1}{(x - 1)^5}$$

Sequence: A119327
Score: 8.23443
Type of gen. func.: lgdogf

$$-\frac{-8x^4+12x^2-8x-1}{-8x^5+24x^4-28x^3+16x^2-5x+1}$$

Sequence: A119330
Score: 13.1300
Type of gen. func.: lgdogf

$$-\frac{2(x^4-6x^2+4x-1)}{(x-1)(x^4+4x^3-6x^2+4x-1)}$$

Sequence: A119330
Score: 5.177
Type of gen. func.: ogf

$$(116 f(x) - 13)$$

$$(f(x) x^4 + 4 f(x) x^3 - 6 f(x) x^2 + 4 f(x) x + x^2 - f(x) - 2 x + 1)$$

Sequence: A119330
Score: 7.50949
Type of gen. func.: lgdogf

$$-\frac{-2x^4+12x^2-8x+2}{-x^5-3x^4+10x^3-10x^2+5x-1}$$

Sequence: A119330
Score: 9.90383
Type of gen. func.: ogf

$$-\frac{(x-1)^2}{x^4+4x^3-6x^2+4x-1}$$

Sequence: A119332
Score: 14.9395

Type of gen. func.: ogf

$$-\frac{x+1}{2x^4-1}$$

Sequence: A119332
Score: 22.4813
Type of gen. func.: lgdogf

$$-\frac{6x^4+8x^3+1}{(x+1)(2x^4-1)}$$

Sequence: A119332
Score: 9.00765
Type of gen. func.: lgdogf

$$-\frac{6x^4+8x^3+1}{2x^5+2x^4-x-1}$$

Sequence: A119332
Score: 9.14209
Type of gen. func.: ogf

$$(2f(x)-1)(2f(x)x^4-f(x)+x+1)$$

Sequence: A119336
Score: 7.60372
Type of gen. func.: ogf

$$-\frac{(x-1)^4}{(2x-1)(x^2-x+1)(3x^2-3x+1)}$$

Sequence: A119336
Score: 9.29677

Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^{5}-15\,x^{4}+20\,x^{3}-15\,x^{2}+6\,x-1)}{(x-1)\,(2\,x-1)\,(x^{2}-x+1)\,(3\,x^{2}-3\,x+1)}$$

Sequence: A119349
Score: 3.59677
Type of gen. func.: ogf

$$(4227858432\,x^{8}-33554432\,x^{7}-1048576\,x^{6}-524288\,x^{5}-2048\,x^{4}-1024\,x^{3}-32\,x^{2}-16\,x-1)\Big/\big((16\,x-1)\,(16\,x+1)\,(256\,x^{2}+1)\,(65536\,x^{4}+1)\big)$$

Sequence: A119370
Score: 16.1316
Type of gen. func.: revogf

$$-\frac{-1-x^{2}+(x^{4}+4\,x^{3}-2\,x^{2}+1)^{1/2}}{2\,x}$$

Sequence: A119370
Score: 8.43034
Type of gen. func.: revogf

$$\frac{1}{2\,x}+x/2-\frac{(x^{4}+4\,x^{3}-2\,x^{2}+1)^{1/2}}{2\,x}$$

Sequence: A119370
Score: 8.75878
Type of gen. func.: ogf

$$-f(x)^{2}\,x^{2}-f(x)^{2}\,x+f(x)\,x^{2}+f(x)-1$$

Sequence: A119371
Score: 11.0318
Type of gen. func.: revogf

$$-\frac{-1 + 4 x - 2 x^{2} + (4 x^{4} - 4 x^{3} + 4 x^{2} - 4 x + 1)^{1/2}}{2 (x - 1)}$$

Sequence: A119371
Score: 6.45037
Type of gen. func.: ogf

$$-2 f(x)^{2} x^{2} - 3 f(x)^{2} x + f(x) x^{2} + 4 f(x) x + f(x) - x - 1$$

Sequence: A119371
Score: 6.65196
Type of gen. func.: revogf

$$-\frac{-1 + 4 x - 2 x^{2} + (4 x^{4} - 4 x^{3} + 4 x^{2} - 4 x + 1)^{1/2}}{2 (x - 1)}$$

Sequence: A119372
Score: 5.61167
Type of gen. func.: ogf

$$-2 f(x)^{2} x^{3} - 3 f(x)^{2} x^{2} + f(x) x^{3} + f(x) x^{2} - f(x) x + f(x) - 1$$

Sequence: A119407
Score: 8.17212
Type of gen. func.: ogf

$$-\frac{1}{(x^{4} + x^{3} + x^{2} + x - 1) (x - 1)^{2}}$$

Sequence: A119407
Score: 8.61605
Type of gen. func.: lgdogf

$$-\frac{6x^4+x^3+x^2+x-3}{(x-1)(x^4+x^3+x^2+x-1)}$$

Sequence: A119412
Score: 12.8487
Type of gen. func.: ogf

$$\frac{2x(5x-6)}{(x-1)^3}$$

Sequence: A119412
Score: 14.8641
Type of gen. func.: lgdogf

$$-\frac{-10x+13}{-5x^2+11x-6}$$

Sequence: A119412
Score: 29.8634
Type of gen. func.: lgdogf

$$-\frac{-13+10x}{(x-1)(5x-6)}$$

Sequence: A119412
Score: 6.37034
Type of gen. func.: ogf

$$-(135 f(x) - 18662) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 10 x^2 - f(x) + 12 x)$$

Sequence: A119412
Score: 6.70859
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 12, a(2) = 26\}$$

Sequence: A119413
Score: 17.2046
Type of gen. func.: lgdogf

$$-\frac{-3\,x-5}{-3\,x^{2}+2\,x+1}$$

Sequence: A119413
Score: 17.9526
Type of gen. func.: ogf

$$\frac{4\,(3\,x+1)}{(x-1)^{2}}$$

Sequence: A119413
Score: 26.1271
Type of gen. func.: revogf

$$-\frac{-2-x+2\,(4\,x+1)^{1/2}}{-12+x}$$

Sequence: A119413
Score: 36.8154
Type of gen. func.: lgdogf

$$-\frac{5+3\,x}{(3\,x+1)\,(x-1)}$$

Sequence: A119413
Score: 9.49219
Type of gen. func.: ogf

$$(2\,f(x)+17)\,(f(x)\,x^{2}-2\,f(x)\,x+f(x)-12\,x-4)$$

Sequence: A119413

Score: 9.94964
Type of gen. func.: ogf

$$\{-a(n+2)+2a(n+1)-a(n),\ a(0)=4,\ a(1)=20\}$$

Sequence: A119428
Score: 9.50133
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^7-x^6+x^5-x^4+x^3+x^2+x+1}{-x^8-x^6-x^4-x^2-1}$$

Sequence: A119490
Score: 6.75896
Type of gen. func.: lgdegf]

$$8-12f(x)+6f(x)^2-f(x)^3$$

Sequence: A119515
Score: 12.1687
Type of gen. func.: lgdogf

$$-\frac{2x^3+3x^2+8x-8}{(x+1)(x^3+2x^2+3x-1)}$$

Sequence: A119515
Score: 5.56900
Type of gen. func.: ogf

$$\frac{x(x^3+2x^2+3x-1)}{(x+1)^5}$$

Sequence: A119516
Score: 11.0159
Type of gen. func.: ogf

$$\frac{x\,(7\,x^{3} + 7\,x^{2} + 9\,x + 1)}{5\,x^{4} + 10\,x^{2} + 1}$$

Sequence: A119516
Score: 6.94694
Type of gen. func.: ogf

$$(1084\,f(x) - 197)\,(5\,f(x)\,x^{4} - 7\,x^{4} + 10\,f(x)\,x^{2} - 7\,x^{3} - 9\,x^{2} + f(x) - x)$$

Sequence: A119516
Score: 9.97719
Type of gen. func.: lgdogf

$$-\frac{35\,x^{6} + 70\,x^{5} + 65\,x^{4} + 20\,x^{3} + 69\,x^{2} + 6\,x - 9}{(5\,x^{4} + 10\,x^{2} + 1)\,(7\,x^{3} + 7\,x^{2} + 9\,x + 1)}$$

Sequence: A119518
Score: 4.19380
Type of gen. func.: ogf

$$(2\,x^{13} + 8\,x^{12} - 6\,x^{11} - 6\,x^{10} - 24\,x^{9} + 18\,x^{8} + 10\,x^{7} + 22\,x^{6} - 15\,x^{5} + 11\,x^{4} - 7\,x^{3} + 3\,x^{2} + x + 1) \Big/ \left((x^{2} + x + 1)^{3}\,(x - 1)^{4}\right)$$

Sequence: A119522
Score: 7.69927
Type of gen. func.: ogf

$$-(27\,f(x) - 59)\,(27\,x^{2} + f(x) + 8\,x - 1)$$

Sequence: A119536
Score: 10.3148
Type of gen. func.: ogf

$$\frac{6 x (x^2 + x + 1)}{(x - 1)^4}$$

Sequence: A119536
Score: 24.7356
Type of gen. func.: lgdogf

$$- \frac{2 x^2 + 5 x + 5}{(x - 1) (x^2 + x + 1)}$$

Sequence: A119536
Score: 29.8984
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^2 + 5]$$

Sequence: A119536
Score: 4.56352
Type of gen. func.: ogf

$\{(-n - 3) a(n + 4) + 5 a(n + 3) + 5 a(n + 2) + (n + 2) a(n + 1), a(0) = 0,$

$a(1) = 6, a(2) = 30, a(3) = 90\}$

Sequence: A119536
Score: 5.41712
Type of gen. func.: ogf

$-(25 f(x) + 82)$

$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 6 x^3 - 4 f(x) x - 6 x^2 + f(x) - 6 x)$

Sequence: A119537
Score: 17.0561
Type of gen. func.: lgdogf

$$3 x (686 x^4 - 90 x^3 - 3 x - 2)$$

$$343 x^{6} - 54 x^{5} - 3 x^{3} - 3 x^{2} + 1$$

Sequence: A119574
Score: 3.44904
Type of gen. func.: ogf

$$-64 f(x)^{2} x^{4} + 48 f(x)^{2} x^{3} - 12 f(x)^{2} x^{2} + 64 f(x) x^{3} + f(x)^{2} x - 48 f(x) x^{2} - 324 x^{3} + 12 f(x) x + 236 x^{2} - f(x) - 55 x + 4$$

Sequence: A119575
Score: 3.38836
Type of gen. func.: ogf

$$64 f(x)^{2} x^{4} - 48 f(x)^{2} x^{3} + 12 f(x)^{2} x^{2} - 256 f(x) x^{3} - f(x)^{2} x + 192 f(x) x^{2} + 2500 x^{3} - 48 f(x) x - 1844 x^{2} + 4 f(x) + 449 x - 36$$

Sequence: A119576
Score: 15.2283
Type of gen. func.: lgdogf

$$-\frac{2 (12 x^{2} + 4 x + 7)}{(4 x - 1) (4 x^{2} + 1)}$$

Sequence: A119577
Score: 14.8954
Type of gen. func.: lgdogf

$$-\frac{2 (12 x^{2} + 4 x + 7)}{(4 x - 1) (4 x^{2} + 1)}$$

Sequence: A119578
Score: 22.7073
Type of gen. func.: lgdogf

```
                                 3 (-3 + 2 x)
                              - -----------------
                                (4 x - 1) (x - 1)
```

Sequence: A119578
Score: 3.97127
Type of gen. func.: ogf

```
{(-n - 2) a(n + 3) + (14 + 5 n) a(n + 2) + (-6 - 4 n) a(n + 1), a(0) = 0,

    a(1) = 2, a(2) = 18}
```

Sequence: A119579
Score: 23.3017
Type of gen. func.: lgdogf

```
                                 3 (-3 + 2 x)
                              - -----------------
                                (4 x - 1) (x - 1)
```

Sequence: A119579
Score: 4.07362
Type of gen. func.: ogf

```
{(-n - 2) a(n + 3) + (14 + 5 n) a(n + 2) + (-6 - 4 n) a(n + 1), a(0) = 0,

    a(1) = 4, a(2) = 36}
```

Sequence: A119580
Score: 13.7055
Type of gen. func.: lgdogf

```
                                       2
                               6 (2 x  - 6 x - 3)
                          - -------------------------
                                           2
                            (4 x - 1) (2 x  - 4 x - 1)
```

Sequence: A119581
Score: 20.5714
Type of gen. func.: lgdogf

```
                                 4 (-2 + 3 x)
                             - ------------------
```

$$(4 x - 1) (2 x - 1)$$

Sequence: A119581
Score: 3.98582
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 3) + (14 + 6 n) a(n + 2) + (-12 - 8 n) a(n + 1), a(0) = 0, a(1) = 3, a(2) = 24\}$$

Sequence: A119582
Score: 13.4059
Type of gen. func.: lgdogf

$$- \frac{6 (2 x^2 - 6 x - 3)}{(4 x - 1) (2 x^2 - 4 x - 1)}$$

Sequence: A119583
Score: 7.52816
Type of gen. func.: ogf

$$\frac{x^3 (2 x^{10} + 5 x^8 + 3 x^7 + x^6 - 2 x^5 - 2 x^4 - 2 x^3 + x^2 + x + 1)}{(x^2 + 1) (x^4 - x^2 + 1) (x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A119587
Score: 5.78519
Type of gen. func.: ogf

$$2 f(x) x^4 - f(x) x^3 - 4 f(x) x^2 + 3 x^3 + 4 f(x) x - 3 x^2 - f(x) + x$$

Sequence: A119587
Score: 8.53857
Type of gen. func.: lgdogf

$$- \frac{12 x^5 - 21 x^4 + 14 x^3 - 3 x^2 - 2 x + 1}{(x - 1) (2 x - 1) (3 x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A119587
Score: 8.79666
Type of gen. func.: ogf

$$-\frac{x\,(3\,x^2 - 3\,x + 1)}{(2\,x - 1)\,(x - 1)\,(x^2 + x - 1)}$$

Sequence: A119610
Score: 13.4552
Type of gen. func.: lgdogf

$$-\frac{12\,x^5 - 5\,x^4 - 2}{(x - 1)\,(2\,x - 1)\,(x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A119610
Score: 17.0751
Type of gen. func.: ogf

$$\frac{1}{(2\,x - 1)\,(x - 1)\,(x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A119617
Score: 11.1084
Type of gen. func.: lgdogf

$$-\frac{x^5 + 13\,x^4 + 58\,x^3 + 58\,x^2 + 43\,x + 7}{(x - 1)\,(x + 1)\,(x^4 + 6\,x^3 + 16\,x^2 + 6\,x + 1)}$$

Sequence: A119617
Score: 8.55334
Type of gen. func.: ogf

$$x^4 + 6\,x^3 + 16\,x^2 + 6\,x + 1$$

$$-\frac{\qquad}{(x + 1)^{2} (x - 1)^{3}}$$

Sequence: A119620
Score: 16.0959
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{3} - x^{2} + 1}{x^{2} - 1}$$

Sequence: A119633
Score: 3.77762
Type of gen. func.: ogf

$$-(36587595968 f(x) - 23308361469) (729 f(x) x^{4} + 540 f(x) x^{3} - 210 f(x) x^{2} + 729 x^{3} - 20 f(x) x + 513 x^{2} + f(x) - 105 x - 1)$$

Sequence: A119633
Score: 7.30339
Type of gen. func.: ogf

$$-\frac{729 x^{3} + 513 x^{2} - 105 x - 1}{(9 x + 1) (3 x - 1) (27 x - 1) (x + 1)}$$

Sequence: A119635
Score: 15.8108
Type of gen. func.: lgdogf

$$-\frac{2 (8 x^{2} + 10 x + 5)}{(2 x - 1) (4 x^{2} + 2 x + 1)}$$

Sequence: A119635
Score: 3.72916
Type of gen. func.: ogf

$\{(-n - 4) a(n + 4) + 10 a(n + 3) + 20 a(n + 2) + (24 + 8 n) a(n + 1), a(0) = 4,$

$a(1) = 40, a(2) = 240, a(3) = 1088\}$

Sequence: A119635
Score: 4.77885
Type of gen. func.: ogf

$$(11 f(x) + 54)$$

$$(16 f(x) x^4 - 32 f(x) x^3 + 24 f(x) x^2 - 8 f(x) x - 16 x^2 + f(x) - 8 x - 4)$$

Sequence: A119635
Score: 8.83759
Type of gen. func.: ogf

$$\frac{4 (4 x^2 + 2 x + 1)}{(2 x - 1)^4}$$

Sequence: A119651
Score: 8.44925
Type of gen. func.: lgdogf

$$\frac{5 x^7 + x^6 - 3 x^5 - 7 x^4 - 12 x^3 - 12 x^2 - 10 x - 10}{(x - 1) (x^7 + 2 x^6 + 3 x^5 + 4 x^4 + 4 x^3 + 4 x^2 + 2 x + 4)}$$

Sequence: A119651
Score: 8.70922
Type of gen. func.: ogf

$$\frac{x^7 + 2 x^6 + 3 x^5 + 4 x^4 + 4 x^3 + 4 x^2 + 2 x + 4}{(x - 1)^2}$$

Sequence: A119652
Score: 10.6721
Type of gen. func.: ogf

$$\frac{2 x^5 + 4 x^4 + 5 x^3 + 5 x^2 + 5 x + 4}{(x - 1)^2}$$

Sequence: A119652
Score: 10.8922
Type of gen. func.: lgdogf

$$\frac{6 x^5 - 2 x^4 - 11 x^3 - 15 x^2 - 15 x - 13}{(x - 1) (2 x^5 + 4 x^4 + 5 x^3 + 5 x^2 + 5 x + 4)}$$

Sequence: A119692
Score: 3.13004
Type of gen. func.: ogf

$$\{(16 n^2 + 64 n + 60) a(n + 1) + (4 n^2 + 18 n + 20) a(n + 2) + (-n^2 - 5 n - 6) a(n + 3), a(0) = 0, a(1) = 2, a(2) = 6\}$$

Sequence: A119693
Score: 3.38625
Type of gen. func.: ogf

$$\{(16 n^2 + 64 n + 60) a(n + 1) + (4 n^2 + 18 n + 20) a(n + 2) + (-n^2 - 5 n - 6) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 3\}$$

Sequence: A119694
Score: 4.18994
Type of gen. func.: ogf

$$\{(16 n^2 + 64 n + 60) a(n + 1) + (4 n^2 + 22 n + 30) a(n + 2) + (-n^2 - 7 n - 12) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A119701
Score: 3.43572
Type of gen. func.: ogf

$$\{(16 n^2 + 64 n + 60) a(n + 1) + (4 n^2 + 14 n + 10) a(n + 2) + (-n^2 - 3 n - 2) a(n + 3), a(0) = 0, a(1) = 2, a(2) = 12\}$$

Sequence: A119749
Score: 10.3020
Type of gen. func.: ogf

$$\frac{x^2 + 1}{x^4 - x^3 - 2 x^2 - x + 1}$$

Sequence: A119749
Score: 11.1168
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - x^4 + 4 x^3 - 2 x^2 - 6 x - 1}{(x^2 + 1) (x^4 - x^3 - 2 x^2 - x + 1)}$$

Sequence: A119749
Score: 5.11166
Type of gen. func.: ogf

$$-(65 f(x) + 32) (f(x) x^4 - f(x) x^3 - 2 f(x) x^2 - f(x) x - x^2 + f(x) - 1)$$

Sequence: A119771
Score: 18.4527
Type of gen. func.: lgdogf

$$- \frac{4 (9 x^2 + 17 x + 4)}{(x - 1) (9 x + 1) (x + 1)}$$

Sequence: A119771
Score: 3.48316
Type of gen. func.: ogf

{(n + 3) a(n + 4) + (2 + 9 n) a(n + 3) + (-69 - n) a(n + 2)

+ (-36 - 9 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 16, a(3) = 90}

Sequence: A119771
Score: 7.45320
Type of gen. func.: ogf

$$\frac{x (x + 1) (9 x + 1)}{(x - 1)^6}$$

Sequence: A119797
Score: 7.26686
Type of gen. func.: ogf

$$- \frac{x (x^{17} - 4 x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A119826
Score: 13.9951
Type of gen. func.: ogf

$$- \frac{x^2 + x + 1}{2 x^3 + 2 x^2 + 2 x - 1}$$

Sequence: A119826
Score: 15.0017
Type of gen. func.: lgdogf

$$- \frac{2 x^4 + 4 x^3 + 6 x^2 + 6 x + 3}{(x^2 + x + 1) (2 x^3 + 2 x^2 + 2 x - 1)}$$

Sequence: A119826
Score: 7.62233
Type of gen. func.: ogf

$$(10 f(x) - 1) (2 f(x) x^3 + 2 f(x) x^2 + 2 f(x) x + x^2 - f(x) + x + 1)$$

Sequence: A119826
Score: 7.62233
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A119827
Score: 10.7490
Type of gen. func.: ogf

$$\frac{x^3}{(2 x^3 + 2 x^2 + 2 x - 1)^2}$$

Sequence: A119827
Score: 18.4197
Type of gen. func.: lgdogf

$$- \frac{4 (3 x^2 + 2 x + 1)}{2 x^3 + 2 x^2 + 2 x - 1}$$

Sequence: A119827
Score: 3.45306
Type of gen. func.: ogf

$$\{(2 n + 8) a(n + 1) + (2 n + 6) a(n + 2) + (2 n + 4) a(n + 3)$$
$$+ (-n - 1) a(n + 4), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$$

Sequence: A119837
Score: 11.9439
Type of gen. func.: revegf]

$$\frac{1}{9} + \frac{4x}{9} - \frac{2x^2}{9} - \frac{\left((4x^2 - 8x + 1)(x - 1)^2\right)^{1/2}}{9}$$

Sequence: A119837
Score: 27.6882
Type of gen. func.: lgdegf]

$$-\frac{12x}{(6x - 1)(4x - 1)}$$

Sequence: A119837
Score: 3.32452
Type of gen. func.: ogf

$$\{(48n^2 + 168n + 144)a(n + 1) + (-4n^2 - 38n - 60)a(n + 2)$$
$$+ (n + 3)a(n + 3), a(0) = 1, a(1) = 0, a(2) = -12\}$$

Sequence: A119837
Score: 5.8688
Type of gen. func.: egf]

$$-64f(x)^2x^3 + 48f(x)^2x^2 - 12f(x)^2x + f(x)^2 - 36x^2 + 12x - 1$$

Sequence: A119852
Score: 10.6439
Type of gen. func.: ogf

$$\frac{x^3}{(x^3 - 3x + 1)^2}$$

Sequence: A119852
Score: 24.8456
Type of gen. func.: lgdogf

$$6(x - 1)(x + 1)$$

$$-\frac{}{x^{3}-3x+1}$$

Sequence: A119852
Score: 4.08352
Type of gen. func.: ogf

$$\{(n+4)\,a(n+1)+(-6-3n)\,a(n+3)+(n+1)\,a(n+4),\ a(0)=0,\ a(1)=0,$$
$$a(2)=0,\ a(3)=1\}$$

Sequence: A119886
Score: 4.64445
Type of gen. func.: ogf

$$-(792192233355432192\,f(x)+68881669389222008531)$$
$$(64\,f(x)\,x^{4}+576\,x^{4}-20\,f(x)\,x^{2}-5050\,x^{3}-2396\,x^{2}+f(x)-59\,x-1)$$

Sequence: A119886
Score: 8.84656
Type of gen. func.: ogf

$$-\frac{576\,x^{4}-5050\,x^{3}-2396\,x^{2}-59\,x-1}{(4x+1)(2x+1)(2x-1)(4x-1)}$$

Sequence: A119902
Score: 7.24456
Type of gen. func.: ogf

$$-\frac{110001\,x^{4}+480010\,x^{3}+9985\,x^{2}-509990\,x-100016}{(x+1)(x^{2}+1)(x-1)^{2}}$$

Sequence: A119910
Score: 16.8371
Type of gen. func.: ogf

$$\frac{2x+1}{}$$

$$x^2 - x + 1$$

Sequence: A119910
Score: 23.7447
Type of gen. func.: revogf

$$-\frac{-1 - x + (-3 x^2 + 10 x + 1)^{1/2}}{2 (-2 + x)}$$

Sequence: A119910
Score: 28.0619
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 2 x - 3}{(2 x + 1) (x^2 - x + 1)}$$

Sequence: A119910
Score: 8.81011
Type of gen. func.: ogf

$$(5 f(x) - 86) (f(x) x^2 - f(x) x + f(x) - 2 x - 1)$$

Sequence: A119910
Score: 9.23988
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A119915
Score: 10.3554
Type of gen. func.: ogf

$$-\frac{x (x - 1) (x + 1)}{(x^2 + 2 x - 1)^2}$$

Sequence: A119915
Score: 17.9218
Type of gen. func.: lgdogf

$$-\frac{2\,(x^3 - x - 2)}{(x - 1)\,(x + 1)\,(x^2 + 2\,x - 1)}$$

Sequence: A119915
Score: 6.535
Type of gen. func.: ogf

$$f(x)\,x^4 + 4\,f(x)\,x^3 + 2\,f(x)\,x^2 + x^3 - 4\,f(x)\,x + f(x) - x$$

Sequence: A119916
Score: 10.8425
Type of gen. func.: ogf

$$-\frac{x\,(x - 1)}{(x + 1)\,(3\,x - 1)^2}$$

Sequence: A119916
Score: 16.4424
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^2 - 3\,x - 2)}{(x - 1)\,(3\,x - 1)\,(x + 1)}$$

Sequence: A119916
Score: 5.56779
Type of gen. func.: ogf

$\{-a(n + 3) + 5\,a(n + 2) - 3\,a(n + 1) - 9\,a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 4\}$

Sequence: A119916
Score: 7.27087
Type of gen. func.: ogf

$$-9 f(x) x^3 - 3 f(x) x^2 + 5 f(x) x - x^2 - f(x) + x$$

Sequence: A119967
Score: 4.94686
Type of gen. func.: ogf

$$f(x)^2 x^4 + 2 f(x)^2 x^3 - f(x)^2 x^2 - f(x) x^3 - f(x) x^2 + 3 f(x) x + x^2 - f(x)$$
$$- 2 x + 1$$

Sequence: A119975
Score: 5.483
Type of gen. func.: ogf

$$-14 f(x)^2 x^3 - 4 f(x)^2 x^2 + 2 f(x)^2 x - 7 f(x) x^2 - 2 f(x) x + f(x) - 2 x - 1$$

Sequence: A119975
Score: 9.75568
Type of gen. func.: revogf

$$\frac{-1 - 2 x - 4 x^2 + ((8 x^2 + 4 x + 1) (4 x + 1)^2)^{1/2}}{2 (14 x^2 + 7 x + 2)}$$

Sequence: A119976
Score: 3.43162
Type of gen. func.: ogf

$$\{(-4 n^2 - 24 n - 32) a(n + 1) + (-4 n^2 - 26 n - 42) a(n + 2)$$
$$+ (n^2 + 7 n + 12) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 12\}$$

Sequence: A119976
Score: 5.27942
Type of gen. func.: ogf

2 3 2 2 2 2

$$-8 f(x) x - 8 f(x) x + 2 f(x) x - 4 f(x) x - 4 f(x) x + f(x) - x - 1$$

Sequence: A119976
Score: 9.45546
Type of gen. func.: revogf

$$\frac{-8 x^2 - 4 x - 1 + ((8 x^2 + 4 x + 1) (4 x + 1)^2)^{1/2}}{2 (8 x^2 + 4 x + 1)}$$

Sequence: A119996
Score: 10.8060
Type of gen. func.: ogf

$$\frac{x^2 - 2 x - 1}{(x - 1) (x + 1) (x^2 - 3 x + 1)}$$

Sequence: A119996
Score: 5.58616
Type of gen. func.: ogf

$$(12101 f(x) - 2346) (f(x) x^4 - 3 f(x) x^3 + 3 f(x) x - x^2 - f(x) + 2 x + 1)$$

Sequence: A119996
Score: 9.36210
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - 9 x^4 + 8 x^3 + 6 x^2 + 2 x - 5}{(x - 1) (x + 1) (x^2 - 3 x + 1) (x^2 - 2 x - 1)}$$

Sequence: A119997
Score: 10.1682
Type of gen. func.: ogf

$$- \frac{x^3 + 2 x - 1}{}$$

$$(x - 1) (x^2 - 3 x + 1) (x^2 - x - 1)$$

Sequence: A119997
Score: 7.66351
Type of gen. func.: lgdogf

$$- \frac{2 x^7 - 5 x^6 + 8 x^5 - 34 x^4 + 54 x^3 - 26 x^2 + 2 x + 1}{(x - 1) (x^2 - 3 x + 1) (x^2 - x - 1) (x^3 + 2 x - 1)}$$

Sequence: A120009
Score: 16.6941
Type of gen. func.: revogf

$$- \frac{-1 - 5 x + (-(4 x - 1) (x - 1)^2)^{1/2}}{2 (2 + x)^2}$$

Sequence: A120009
Score: 3.90008
Type of gen. func.: ogf

$$\{(16 n^2 + 72 n + 80) a(n + 1) + (-8 n^2 - 54 n - 80) a(n + 2)$$

$$+ (n^2 + 9 n + 18) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A120009
Score: 8.66683
Type of gen. func.: ogf

$$f(x)^2 x^3 + 4 f(x) x^2 - 5 f(x) x + f(x) + 4 x - 1$$

Sequence: A120010
Score: 11.9007
Type of gen. func.: revogf

$$x^2 - x - 1 + (-(3 x^2 - 3 x + 1) (x^2 - x - 1))^{1/2}$$

$$\frac{}{2 (x^2 - x - 1)}$$

Sequence: A120010
Score: 5.81
Type of gen. func.: ogf

$$-f(x)^2 x^3 + f(x)^2 x^2 - f(x)^2 x + f(x) x^2 - f(x) x + f(x) + x - 1$$

Sequence: A120012
Score: 12.6574
Type of gen. func.: revogf

$$- \frac{-3 - 29 x - 36 x^2 + 3 (-(4 x - 1) (x + 1)^2)^{1/2}}{2 (9 x + 4)^2}$$

Sequence: A120012
Score: 5.62672
Type of gen. func.: ogf

$$81 f(x)^2 x^3 - 36 f(x)^2 x^2 + 4 f(x)^2 x + 72 f(x) x^2 - 29 f(x) x + 3 f(x) + 16 x - 3$$

Sequence: A120017
Score: 5.6124
Type of gen. func.: ogf

$$-2 f(x)^2 x^3 + 2 f(x)^2 x^2 - f(x)^2 x + 2 f(x) x^2 - 2 f(x) x + f(x) + x - 1$$

Sequence: A120017
Score: 9.06727
Type of gen. func.: revogf

$$\frac{-1 - 2 x + 2 x^2 + (-(2 x^2 - 2 x - 1) (2 x^2 - 2 x + 1))^{1/2}}{2 (2 x^2 - 2 x - 1)}$$

Sequence: A120018
Score: 5.33302
Type of gen. func.: ogf

$$3 f(x)^2 x^3 - 3 f(x)^2 x^2 + f(x)^2 x - 3 f(x) x^2 + 3 f(x) x - f(x) - x + 1$$

Sequence: A120018
Score: 9.12568
Type of gen. func.: revogf

$$\frac{-1 - 3 x + 3 x^2 + (-(x^2 - x + 1) (3 x^2 - 3 x - 1))^{1/2}}{2 (3 x^2 - 3 x - 1)}$$

Sequence: A120030
Score: 14.1642
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-6 x^3 - 4 x^2 - 10 x - 4}{x^4 - 1}$$

Sequence: A120054
Score: 11.3715
Type of gen. func.: ogf

$$- \frac{256}{(x - 1)^5}$$

Sequence: A120054
Score: 6.36389
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (6 + n) a(n + 1), a(0) = 256, a(1) = 1280\}$$

Sequence: A120054
Score: 85.0243
Type of gen. func.: lgdogf

$$-\frac{5}{x-1}$$

Sequence: A120071
Score: 10.7540
Type of gen. func.: ogf

$$\frac{x\,(19\,x-21)}{(x-1)^3}$$

Sequence: A120071
Score: 21.4973
Type of gen. func.: lgdogf

$$-\frac{2\,(-22+19\,x)}{(x-1)\,(19\,x-21)}$$

Sequence: A120071
Score: 5.61493
Type of gen. func.: ogf

$$\{a(n+3)-3\,a(n+2)+3\,a(n+1)-a(n),\ a(0)=0,\ a(1)=21,\ a(2)=44\}$$

Sequence: A120071
Score: 6.92234
Type of gen. func.: ogf

$$-(6012\,f(x)-4514003)\,(f(x)\,x^3-3\,f(x)\,x^2+3\,f(x)\,x-19\,x^2-f(x)+21\,x)$$

Sequence: A120096
Score: 11.3350
Type of gen. func.: ogf

$$27\,x^2-18\,x-1$$

```
                         - ---------------------------
                           (x - 1) (3 x + 1) (9 x - 1)



------------------------------------------------------------------------------

Sequence:  A120096
Score: 5.99004
Type of gen. func.: ogf


(88492 f(x) + 27261)

              3            2                  2
    (27 f(x) x  - 21 f(x) x  - 7 f(x) x + 27 x  + f(x) - 18 x - 1)



------------------------------------------------------------------------------

Sequence:  A120096
Score: 6.29721
Type of gen. func.: ogf


{-a(n + 3) + 7 a(n + 2) + 21 a(n + 1) - 27 a(n), a(0) = 1, a(1) = 25,

    a(2) = 169}



------------------------------------------------------------------------------

Sequence:  A120118
Score: 5.42877
Type of gen. func.: ogf


                      2            7    5    4    3    2
                    (x  + x + 1) (x  + x  + x  - x  - x  - 2)
                  - -----------------------------------------
                           10    8      5    3
                          x   + x  - 2 x  - x  - x + 1



------------------------------------------------------------------------------

Sequence:  A120212
Score: 5.11156
Type of gen. func.: ogf


                       7      6      5      4      3      2
           (x + 1) (2 x  - 4 x  + 4 x  - 5 x  + 5 x  - 4 x  + 4 x - 3)
         - -----------------------------------------------------------
                                           2
                                    (x - 1)



------------------------------------------------------------------------------

Sequence:  A120215
Score: 7.35524
Type of gen. func.: ogf


               6         5         4         3         2
         5501 x  + 8955 x  - 2002 x  - 2002 x  - 2002 x  - 7503 x - 1057
```

$$-\frac{}{(x^4 + x^3 + x^2 + x + 1) (x + 1) (x - 1)^2}$$

Sequence: A120217
Score: 5.48830
Type of gen. func.: ogf

$$- (550001 x^6 + 890055 x^5 - 200002 x^4 - 200002 x^3 - 200002 x^2 - 750003 x - 100057) / ((x^4 + x^3 + x^2 + x + 1) (x + 1) (x - 1)^2)$$

Sequence: A120262
Score: 3.78946
Type of gen. func.: ogf

$$-\frac{6 x^5 + x^4 - 4 x^3 + 3 x - 1}{(x^3 - 3 x + 1) (4 x^3 - 2 x + 1)}$$

Sequence: A120275
Score: 11.1388
Type of gen. func.: ogf

$$\frac{4 x^7 - 4 x^6 + 4 x^4 - 4 x^3 + 2 x - 5}{x - 1}$$

Sequence: A120278
Score: 3.25633
Type of gen. func.: ogf

$$\{(-4 n - 18) a(n + 1) + (9 n + 41) a(n + 2) + (-6 n - 28) a(n + 3) + (n + 5) a(n + 4), a(0) = 2, a(1) = 10, a(2) = 38, a(3) = 136\}$$

Sequence: A120297
Score: 6.83843
Type of gen. func.: lgdogf

$$-\frac{2x^7-9x^6+12x^5-10x^4+22x^3-10x^2-10x+5}{(x-1)(x^2-3x+1)(x^2+x-1)(x^3-2x^2-1)}$$

Sequence: A120297
Score: 7.84358
Type of gen. func.: ogf

$$-\frac{x^3-2x^2-1}{(x-1)(x^2-3x+1)(x^2+x-1)}$$

Sequence: A120304
Score: 4.52778
Type of gen. func.: ogf

$$\{(4n^2+14n+12)a(n+1)+(-5n^2-19n-16)a(n+2)$$
$$+(n^2+5n+4)a(n+3),\ a(0)=-1,\ a(1)=-1,\ a(2)=0\}$$

Sequence: A120304
Score: 6.41133
Type of gen. func.: ogf

$$-f(x)^2x^3+2f(x)^2x^2-f(x)^2x+5f(x)x^2-6f(x)x-x^2+f(x)-4x+1$$

Sequence: A120305
Score: 4.26284
Type of gen. func.: ogf

$$-4f(x)^2x^4+f(x)^2x^3+12f(x)^2x^2-11f(x)^2x-8f(x)x^2+2f(x)^2$$
$$+10f(x)x-2f(x)-x$$

Sequence: A120323
Score: 7.62226
Type of gen. func.: lgdogf

$$-\frac{6 x^{9} + 3 x^{8} + 5 x^{6} + 18 x^{5} + 12 x^{3} + 3 x^{2} + 1}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (3 x^{4} + x^{3} + x + 3)}$$

Sequence: A120323
Score: 9.59846
Type of gen. func.: ogf

$$-\frac{x (3 x^{4} + x^{3} + x + 3)}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A120324
Score: 7.22163
Type of gen. func.: lgdogf

$$-\frac{2 x (x^{8} + 8 x^{6} + 3 x^{4} + 2 x^{2} + 4)}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} + 4 x^{2} + 1)}$$

Sequence: A120324
Score: 8.06309
Type of gen. func.: ogf

$$-\frac{x (x^{4} + 4 x^{2} + 1)}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A120325
Score: 10.6359
Type of gen. func.: ogf

$$-\frac{x^{2} (x^{2} + 1)}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A120325

Score: 11.2548
Type of gen. func.: lgdogf

$$-\frac{2 x (2 x^6 + 3 x^4 + 1)}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A120325
Score: 15.7512
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5 - x^3 + x]$$

Sequence: A120328
Score: 13.3177
Type of gen. func.: ogf

$$-\frac{5 x^2 - x + 2}{(x - 1)^3}$$

Sequence: A120328
Score: 24.9057
Type of gen. func.: lgdogf

$$-\frac{5 x^2 + 8 x + 5}{(x - 1) (5 x^2 - x + 2)}$$

Sequence: A120328
Score: 7.06418
Type of gen. func.: ogf

$$(244 f(x) - 335) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 5 x^2 - f(x) - x + 2)$$

Sequence: A120328
Score: 7.18922
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2, a(1) = 5, a(2) = 14}

Sequence: A120346
Score: 21.9939
Type of gen. func.: revogf

$$-\frac{x (x^2 + 1) (x^2 + x - 1)}{x + 1}$$

Sequence: A120348
Score: 48.6760
Type of gen. func.: revegf]

$$x (x - 1)^4$$

Sequence: A120353
Score: 12.7047
Type of gen. func.: ogf

{a(n + 1) - 9 a(n), a(0) = 121}

Sequence: A120353
Score: 15.9548
Type of gen. func.: ogf

$$-9 f(x) x + f(x) - 121$$

Sequence: A120353
Score: 25.4094
Type of gen. func.: ogf

$$-\frac{121}{9 x - 1}$$

Sequence: A120353
Score: 5.76305

Type of gen. func.: lgdogf

$$\frac{9\,(6174\,x^{12} + 686\,x^{11} + 3837708963\,x^{2} - 14819112\,x + 4322241)}{686\,x^{11} - 34539380667\,x^{3} + 3971080971\,x^{2} - 53719281\,x + 4322241}$$

Sequence: A120354
Score: 13.7701
Type of gen. func.: ogf

$$\{a(n + 1) - 3\,a(n),\ a(0) = 11\}$$

Sequence: A120354
Score: 17.3765
Type of gen. func.: ogf

$$-3\,f(x)\,x + f(x) - 11$$

Sequence: A120354
Score: 27.5685
Type of gen. func.: revegf]

$$-1/3\,\ln(11) + 1/3\,\ln(11 + 3\,x)$$

Sequence: A120354
Score: 28.0698
Type of gen. func.: ogf

$$-\frac{11}{3\,x - 1}$$

Sequence: A120354
Score: 65.1620
Type of gen. func.: lgdogf

$$-\frac{3}{3\,x - 1}$$

Sequence: A120367
Score: 5.07602
Type of gen. func.: ogf

$$\frac{x^{29} + 2 x^{27} + 2 x^{24} - 8 x^{21} - 6 x^{13} - 4 x^{11} - 4 x^{8} - x^{5} - x^{3} - 1}{(2 x^{24} - 4 x^{8} - 1) (x - 1)^{2}}$$

Sequence: A120370
Score: 13.9664
Type of gen. func.: ogf

$$\frac{x^{17} + x^{5} - x + 2}{(x - 1)^{2}}$$

Sequence: A120370
Score: 15.4426
Type of gen. func.: lgdogf

$$\frac{15 x^{17} - 17 x^{16} + 3 x^{5} - 5 x^{4} + x - 3}{(x - 1) (x^{17} + x^{5} - x + 2)}$$

Sequence: A120391
Score: 6.68274
Type of gen. func.: lgdogf

$$- \frac{8 x^{9} + 3 x^{8} - 4 x^{7} - x^{6} - 22 x^{5} - 23 x^{4} - 8 x^{3} + 8 x^{2} + 8 x + 1}{(x^{3} - 2 x^{2} - x + 1) (x^{3} + 2 x^{2} - x - 1) (4 x^{4} + x^{3} - x^{2} + x + 1)}$$

Sequence: A120391
Score: 8.61649
Type of gen. func.: ogf

$$- \frac{x (4 x^{4} + x^{3} - x^{2} + x + 1)}{(x^{3} - 2 x^{2} - x + 1) (x^{3} + 2 x^{2} - x - 1)}$$

Sequence: A120400
Score: 17.1132
Type of gen. func.: lgdogf

$$-\frac{6 x^5 + 2 x + 1}{(x + 1) (x^5 - x^4 + x^3 - x^2 + 2 x - 1)}$$

Sequence: A120400
Score: 18.7203
Type of gen. func.: ogf

$$-\frac{1}{(x + 1) (x^5 - x^4 + x^3 - x^2 + 2 x - 1)}$$

Sequence: A120413
Score: 12.8843
Type of gen. func.: ogf

$$\frac{2 x (x^2 - 2 x - 1)}{(x + 1) (x - 1)^3}$$

Sequence: A120413
Score: 18.3485
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - 2 x^2 - 3 x - 2)}{(x - 1) (x + 1) (x^2 - 2 x - 1)}$$

Sequence: A120413
Score: 6.86458
Type of gen. func.: ogf

$$-(25 f(x) - 153) (f(x) x^4 - 2 f(x) x^3 - 2 x^3 + 2 f(x) x + 4 x^2 - f(x) + 2 x)$$

Sequence: A120415
Score: 19.9399
Type of gen. func.: ogf

$$-\frac{1}{x^6+x^3+x-1}$$

Sequence: A120415
Score: 23.3232
Type of gen. func.: lgdogf

$$-\frac{6x^5+3x^2+1}{x^6+x^3+x-1}$$

Sequence: A120446
Score: 18.7408
Type of gen. func.: lgdogf

$$-\frac{6x^5+4x^3+1}{(x+1)(x^2-x+1)(x^3+x-1)}$$

Sequence: A120446
Score: 19.5670
Type of gen. func.: ogf

$$-\frac{1}{(x+1)(x^2-x+1)(x^3+x-1)}$$

Sequence: A120452
Score: 12.6836
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^6-x^5-x^3+x+1}{}$$

$$x - 1$$

Sequence: A120461
Score: 12.4037
Type of gen. func.: ogf

$$-\frac{x (x - 4)}{(2 x - 1) (x^2 - x - 1)}$$

Sequence: A120461
Score: 14.8216
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 27 x^2 + 24 x + 3}{(x - 4) (2 x - 1) (x^2 - x - 1)}$$

Sequence: A120461
Score: 5.99161
Type of gen. func.: ogf

$$-(9227 f(x) + 10455) (2 f(x) x^3 - 3 f(x) x^2 - f(x) x + x^2 + f(x) - 4 x)$$

Sequence: A120461
Score: 6.36947
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 0, a(1) = 4, a(2) = 3\}$$

Sequence: A120462
Score: 11.7608
Type of gen. func.: ogf

$$-\frac{2 x (4 x^2 - 2 x - 3)}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A120462
Score: 6.76799
Type of gen. func.: ogf

$$-(387 f(x) + 1315) (4 f(x) x^4 - 5 f(x) x^2 + 8 x^3 - 4 x^2 + f(x) - 6 x)$$

Sequence: A120462
Score: 8.72853
Type of gen. func.: lgdogf

$$- \frac{2 (16 x^5 - 12 x^4 - 24 x^3 + 5 x^2 + 11 x + 1)}{(x - 1) (2 x + 1) (2 x - 1) (x + 1) (4 x^2 - 2 x - 3)}$$

Sequence: A120463
Score: 10.3410
Type of gen. func.: lgdogf

$$- \frac{6 x^6 + 17 x^4 + 12 x^3 - 10 x^2 - 8 x - 1}{(x - 1) (x + 1) (3 x^2 - 1) (2 x^3 + x + 1)}$$

Sequence: A120463
Score: 12.0430
Type of gen. func.: ogf

$$\frac{x (2 x^3 + x + 1)}{(x - 1) (x + 1) (3 x^2 - 1)}$$

Sequence: A120463
Score: 6.99639
Type of gen. func.: ogf

$$-(948 f(x) + 893) (3 f(x) x^4 - 2 x^4 - 4 f(x) x^2 - x^2 + f(x) - x)$$

Sequence: A120464

Score: 10.4119
Type of gen. func.: ogf

$$\frac{x (2 + x)}{2 x^3 - x^2 - 5 x + 1}$$

Sequence: A120464
Score: 12.9824
Type of gen. func.: lgdogf

$$- \frac{(4 x + 11) (x - 1) (x + 1)}{(2 + x) (2 x^3 - x^2 - 5 x + 1)}$$

Sequence: A120464
Score: 5.29893
Type of gen. func.: ogf

$$-(11 f(x) + 4) (2 f(x) x^3 - f(x) x^2 - 5 f(x) x - x^2 + f(x) - 2 x)$$

Sequence: A120464
Score: 5.29893
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) - a(n + 1) + 2 a(n), a(0) = 0, a(1) = 2, a(2) = 11\}$$

Sequence: A120465
Score: 12.1699
Type of gen. func.: ogf

$$- \frac{36 x + 1}{204 x^2 - 1}$$

Sequence: A120465
Score: 12.4796
Type of gen. func.: revogf

$$-1 + (816 x^2 + 144 x + 1)^{1/2}$$

$$\overline{}$$
$$24 (3 + 17 x)$$

Sequence: A120465
Score: 12.7840
Type of gen. func.: lgdogf

$$- \frac{12 (612 x^2 + 34 x + 3)}{(36 x + 1) (204 x^2 - 1)}$$

Sequence: A120465
Score: 6.69347
Type of gen. func.: ogf

$$-(2125 f(x) + 9539) (204 f(x) x^2 - f(x) + 36 x + 1)$$

Sequence: A120465
Score: 7.99219
Type of gen. func.: ogf

$$\{a(n + 2) - 204 a(n), a(0) = 1, a(1) = 36\}$$

Sequence: A120468
Score: 5.61891
Type of gen. func.: ogf

$$-(30116 f(x) + 443205) (9 f(x) x^4 - 10 f(x) x^2 + 18 x^3 - 24 x^2 + f(x) - 16 x)$$

Sequence: A120468
Score: 7.51072
Type of gen. func.: lgdogf

$$- \frac{2 (81 x^5 - 162 x^4 - 144 x^3 + 60 x^2 + 71 x + 6)}{(x - 1) (3 x - 1) (3 x + 1) (x + 1) (9 x^2 - 12 x - 8)}$$

Sequence: A120468
Score: 9.85472
Type of gen. func.: ogf

$$-\frac{2 x (9 x^2 - 12 x - 8)}{(x - 1) (3 x - 1) (3 x + 1) (x + 1)}$$

Sequence: A120470
Score: 13.0361
Type of gen. func.: ogf

$$-\frac{20 x + 7}{(2 x + 1) (4 x - 1)}$$

Sequence: A120470
Score: 13.0511
Type of gen. func.: lgdogf

$$-\frac{2 (80 x^2 + 56 x + 17)}{(4 x - 1) (2 x + 1) (20 x + 7)}$$

Sequence: A120470
Score: 13.3477
Type of gen. func.: revogf

$$\frac{-7 - 2 x + (36 x^2 + 108 x + 49)^{1/2}}{8 (5 + 2 x)}$$

Sequence: A120470
Score: 6.81434
Type of gen. func.: ogf

$$(45 f(x) - 26) (8 f(x) x^2 + 2 f(x) x - f(x) + 20 x + 7)$$

Sequence: A120470
Score: 7.22484
Type of gen. func.: ogf

$$\{a(n+2) - 2\,a(n+1) - 8\,a(n),\ a(0) = 7,\ a(1) = 34\}$$

Sequence: A120471
Score: 11.0996
Type of gen. func.: ogf

$$-3\,f(x)\,x^2 - 2\,f(x)\,x + f(x) - 6\,x$$

Sequence: A120471
Score: 17.6994
Type of gen. func.: ogf

$$-\frac{6\,x}{(x+1)\,(3\,x-1)}$$

Sequence: A120471
Score: 20.1595
Type of gen. func.: revogf

$$\frac{-3 - x + (4\,x^2 + 6\,x + 9)^{1/2}}{3\,x}$$

Sequence: A120471
Score: 26.8793
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x+1)}{(x+1)\,(3\,x-1)}$$

Sequence: A120471
Score: 8.08491
Type of gen. func.: ogf

$$\{-a(n+2) + 2\,a(n+1) + 3\,a(n),\ a(0) = 0,\ a(1) = 6\}$$

Sequence: A120477
Score: 19.3894
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{5 x - 6}{-x + 1}$$

Sequence: A120478
Score: 12.9903
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 21 x^2 - 14 x + 21}{(x - 1) (2 x^4 - 4 x^3 + 11 x^2 - 9 x + 6)}$$

Sequence: A120478
Score: 7.72697
Type of gen. func.: ogf

$$-\frac{2 x^4 - 4 x^3 + 11 x^2 - 9 x + 6}{(x - 1)^5}$$

Sequence: A120495
Score: 6.43273
Type of gen. func.: ogf

$$(f(x) x^2 + f(x) x - f(x) + x)^2$$

Sequence: A120507
Score: 12.9877
Type of gen. func.: ogf_with_Euler_transform]

$$2 + x^3 (x - 1) + x^{19} (x - 1)$$

Sequence: A120529
Score: 10.8399
Type of gen. func.: ogf_with_Euler_transform]

$$1 + x^{3} (x - 1) + x^{19} (x - 1)$$

Sequence: A120537
Score: 6.14215
Type of gen. func.: lgdogf

$$- \frac{2 x^{7} - 15 x^{6} + 48 x^{5} - 52 x^{4} - 14 x^{3} + 16 x^{2} + 22 x - 11}{(x - 1) (x^{2} - 3 x + 1) (x^{2} + x - 1) (x^{3} - 4 x^{2} + 6 x + 1)}$$

Sequence: A120537
Score: 7.23301
Type of gen. func.: ogf

$$\frac{x^{3} - 4 x^{2} + 6 x + 1}{(x - 1) (x^{2} - 3 x + 1) (x^{2} + x - 1)}$$

Sequence: A120571
Score: 15.2244
Type of gen. func.: lgdogf

$$- \frac{x^{4} + 24 x^{2} + 20 x + 15}{(x - 1) (x^{4} - 2 x^{3} + 10 x^{2} + 3)}$$

Sequence: A120571
Score: 8.00814
Type of gen. func.: ogf

$$- \frac{4 (x^{4} - 2 x^{3} + 10 x^{2} + 3)}{(x - 1)^{5}}$$

Sequence: A120573
Score: 11.9907
Type of gen. func.: lgdogf

$$-\frac{2\,(x^4+8\,x^3+26\,x^2+20\,x+5)}{(x-1)\,(x^4+4\,x^3+10\,x^2+4\,x+1)}$$

Sequence: A120573
Score: 6.73882
Type of gen. func.: ogf

$$\frac{6\,(x^4+4\,x^3+10\,x^2+4\,x+1)}{(x-1)^6}$$

Sequence: A120580
Score: 12.8501
Type of gen. func.: ogf

$$4\,f(x)\,x^2-2\,f(x)\,x+f(x)+2\,x-1$$

Sequence: A120580
Score: 17.9902
Type of gen. func.: ogf

$$-\frac{2\,x-1}{4\,x^2-2\,x+1}$$

Sequence: A120580
Score: 19.5366
Type of gen. func.: revogf

$$-\frac{-1-2\,x+(-(2\,x+1)\,(6\,x-1))^{1/2}}{4\,(2\,x+1)}$$

Sequence: A120580
Score: 27.2328
Type of gen. func.: lgdogf

$$-\frac{8 x (x - 1)}{(2 x - 1) (4 x^2 - 2 x + 1)}$$

Sequence: A120580
Score: 9.99454
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 0\}$$

Sequence: A120582
Score: 10.2123
Type of gen. func.: ogf

$$16 f(x) x^4 - 4 f(x) x^2 + 8 x^3 + 4 x^2 + f(x) - 2 x - 1$$

Sequence: A120582
Score: 12.3786
Type of gen. func.: ogf

$$-\frac{(2 x - 1) (2 x + 1)^2}{16 x^4 - 4 x^2 + 1}$$

Sequence: A120582
Score: 12.7098
Type of gen. func.: lgdogf

$$-\frac{2 (32 x^5 + 16 x^4 - 24 x^3 - 4 x^2 - 2 x + 1)}{(2 x + 1) (2 x - 1) (16 x^4 - 4 x^2 + 1)}$$

Sequence: A120588
Score: 15.9636
Type of gen. func.: lgdogf

$$-\frac{1 - 4 x + 3 (1 - 4 x)^{1/2}}{}$$

$$2 (2 + x) (4 x - 1)$$

Sequence: A120588
Score: 17.0674
Type of gen. func.: ogf

$$x + 2 - 3 f(x) + f(x)^2$$

Sequence: A120588
Score: 7.28919
Type of gen. func.: ogf

$$\{(-4 n + 2) a(n) + (n + 1) a(n + 1), a(0) = 1, a(1) = 1\}$$

Sequence: A120589
Score: 10.2319
Type of gen. func.: ogf

$$-f(x)^2 - 2 f(x) x - x^2 + 5 f(x) - 4 x - 4$$

Sequence: A120589
Score: 17.2398
Type of gen. func.: lgdogf

$$- \frac{1 - 4 x + 3 (1 - 4 x)^{1/2}}{(2 + x) (4 x - 1)}$$

Sequence: A120589
Score: 3.93986
Type of gen. func.: ogf

$$\{(-4 n^2 - 2 n) a(n + 1) + (-7 n^2 - 26 n - 24) a(n + 2)$$

$$+ (2 n^2 + 10 n + 12) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 3\}$$

Sequence: A120590

Score: 14.3211
Type of gen. func.: ogf

$$-x - 3 + 4 f(x) - f(x)^3$$

Sequence: A120590
Score: 3.15679
Type of gen. func.: ogf

$$\{(27 n^2 + 54 n + 24) a(n + 1) + (162 n^2 + 567 n + 486) a(n + 2)$$
$$+ (-13 n^2 - 65 n - 78) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 3\}$$

Sequence: A120591
Score: 4.66777
Type of gen. func.: ogf

$$f(x)^3 + 3 f(x)^2 x + 3 f(x) x^2 + x^3 + 9 f(x)^2 + 18 f(x) x + 9 x^2 - 37 f(x)$$
$$+ 27 x + 27$$

Sequence: A120592
Score: 14.6133
Type of gen. func.: ogf

$$-4 x - 4 + 5 f(x) - f(x)^3$$

Sequence: A120592
Score: 3.17008
Type of gen. func.: ogf

$$\{(-108 n^2 - 216 n - 96) a(n + 1) + (-216 n^2 - 756 n - 648) a(n + 2)$$
$$+ (17 n^2 + 85 n + 102) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A120612
Score: 15.5448
Type of gen. func.: ogf

$$\frac{x - 1}{(3 x + 1) (5 x - 1)}$$

Sequence: A120612
Score: 18.0089
Type of gen. func.: lgdogf

$$- \frac{15 x^2 - 30 x - 1}{(x - 1) (3 x + 1) (5 x - 1)}$$

Sequence: A120612
Score: 7.94513
Type of gen. func.: ogf

$$(304 f(x) - 303) (15 f(x) x^2 + 2 f(x) x - f(x) - x + 1)$$

Sequence: A120612
Score: 8.61519
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 15 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A120617
Score: 12.3423
Type of gen. func.: ogf

$$\{-a(n + 2) - 4 a(n), a(0) = 1, a(1) = -2\}$$

Sequence: A120617
Score: 17.5534
Type of gen. func.: ogf

$$4 f(x) x^2 + f(x) + 2 x - 1$$

Sequence: A120617
Score: 19.2660

Type of gen. func.: ogf

$$-\frac{2x-1}{4x^2+1}$$

Sequence: A120617
Score: 21.9934
Type of gen. func.: revogf

$$-\frac{-1+(-16x^2-8x+1)^{1/2}}{4(2x+1)}$$

Sequence: A120617
Score: 23.2152
Type of gen. func.: lgdogf

$$-\frac{2(4x^2-4x-1)}{(2x-1)(4x^2+1)}$$

Sequence: A120634
Score: 12.3548
Type of gen. func.: lgdogf

$$-\frac{2(x^6+2x^5+3x^4-16x^3-x^2-2x-3)}{(x-1)(x+1)(x^2+1)(x^3+x^2+x-7)}$$

Sequence: A120634
Score: 12.3613
Type of gen. func.: ogf

$$-\frac{x(x^3+x^2+x-7)}{(x+1)(x^2+1)(x-1)^2}$$

Sequence: A120655
Score: 4.34538
Type of gen. func.: ogf

$$\{a(n+4) - 4 a(n+3) - 4 a(n+2) + 16 a(n+1), a(0) = 1, a(1) = 11,$$
$$a(2) = 100, a(3) = 368\}$$

Sequence: A120655
Score: 4.50874
Type of gen. func.: ogf

$$-(8429 f(x) + 90151)$$
$$(16 f(x) x^3 - 4 f(x) x^2 + 60 x^3 - 4 f(x) x - 52 x^2 + f(x) - 7 x - 1)$$

Sequence: A120655
Score: 7.16217
Type of gen. func.: lgdogf

$$\frac{592 x^4 - 256 x^3 + 408 x^2 - 112 x - 11}{(x - 1) (2 x + 1) (2 x - 1) (4 x - 1) (60 x^2 + 8 x + 1)}$$

Sequence: A120655
Score: 8.32864
Type of gen. func.: ogf

$$- \frac{(x - 1) (60 x^2 + 8 x + 1)}{(2 x + 1) (2 x - 1) (4 x - 1)}$$

Sequence: A120656
Score: 10.0705
Type of gen. func.: ogf

$$- \frac{2 x (3 x + 1) (-2 + x)}{(x - 1) (3 x - 1) (2 x + 1)}$$

Sequence: A120656
Score: 10.0750

Type of gen. func.: lgdogf

$$-\frac{18 x^4 - 60 x^3 - 5 x^2 + 14 x + 9}{(x - 1) (-2 + x) (3 x - 1) (2 x + 1) (3 x + 1)}$$

Sequence: A120656
Score: 4.99738
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) - 5 a(n + 2) + 6 a(n + 1), a(0) = 0, a(1) = 4, a(2) = 18, a(3) = 50\}$$

Sequence: A120656
Score: 5.44796
Type of gen. func.: ogf

$(1375 f(x) + 5177)$

$(6 f(x) x^3 - 5 f(x) x^2 + 6 x^3 - 2 f(x) x - 10 x^2 + f(x) - 4 x)$

Sequence: A120657
Score: 5.64817
Type of gen. func.: ogf

$$\frac{2 x (128 x^4 + 294 x^3 - 257 x^2 - 59 x - 6)}{(x - 1) (4 x - 1) (2 x - 1) (3 x + 1) (x + 1)}$$

Sequence: A120658
Score: 6.15022
Type of gen. func.: ogf

$$\frac{2 x (70 x^3 + 13 x^2 - 30 x - 6)}{(2 x + 1) (x - 1) (10 x^3 - 3 x^2 - 4 x + 1)}$$

Sequence: A120659
Score: 2.82841
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4783 x^2 + (-9568 x^5 - 3 x^4 - 6 x^3 - x^2 + 2 x + 1)^{1/2} - 4785 x + 1}{2 (2392 x^3 - 4783 x^2 + 2393 x - 1)}$$

Sequence: A120662
Score: 3.80708
Type of gen. func.: ogf

$$-(3515786386 f(x) + 52134780965)$$

$$(30 f(x) x^3 - f(x) x^2 + 189 x^3 - 6 f(x) x - 101 x^2 + f(x) - 12 x)$$

Sequence: A120662
Score: 4.00160
Type of gen. func.: ogf

$\{a(n + 4) - 6 a(n + 3) - a(n + 2) + 30 a(n + 1), a(0) = 0, a(1) = 12,$

$a(2) = 173, a(3) = 861\}$

Sequence: A120662
Score: 6.65718
Type of gen. func.: lgdogf

$$-\frac{5670 x^4 - 6060 x^3 + 155 x^2 - 354 x + 173}{(3 x - 1) (5 x - 1) (2 x + 1) (189 x^2 - 101 x - 12)}$$

Sequence: A120662
Score: 7.72139
Type of gen. func.: ogf

$$-\frac{x (189 x^2 - 101 x - 12)}{(3 x - 1) (2 x + 1) (5 x - 1)}$$

Sequence: A120663
Score: 4.77045
Type of gen. func.: ogf

$$\frac{x\,(129444\,x^4 - 124633\,x^3 + 38216\,x^2 + 2476\,x + 67)}{(x - 1)\,(6\,x - 1)\,(4\,x - 1)\,(2\,x - 1)\,(3\,x + 1)\,(x + 1)}$$

Sequence: A120664
Score: 4.71964
Type of gen. func.: ogf

$\{a(n + 4) - 8\,a(n + 3) + 19\,a(n + 2) - 12\,a(n + 1), a(0) = 0, a(1) = 2,$

$a(2) = 4, a(3) = 18\}$

Sequence: A120664
Score: 5.01931
Type of gen. func.: ogf

$-(937\,f(x) - 48)$

$(12\,f(x)\,x^3 - 19\,f(x)\,x^2 + 24\,x^3 + 8\,f(x)\,x - 12\,x^2 - f(x) + 2\,x)$

Sequence: A120664
Score: 9.02750
Type of gen. func.: lgdogf

$$-\frac{2\,(72\,x^4 - 72\,x^3 + 27\,x^2 - 7\,x + 1)}{(x - 1)\,(3\,x - 1)\,(4\,x - 1)\,(12\,x^2 - 6\,x + 1)}$$

Sequence: A120664
Score: 9.16568
Type of gen. func.: ogf

$$-\frac{2\,x\,(12\,x^2 - 6\,x + 1)}{(x - 1)\,(3\,x - 1)\,(4\,x - 1)}$$

Sequence: A120665
Score: 12.1825
Type of gen. func.: lgdogf

$$-\frac{6 x (4 x^2 - 10 x + 3)}{(6 x - 1) (2 x - 1) (x^2 - 4 x + 1)}$$

Sequence: A120665
Score: 13.3568
Type of gen. func.: ogf

$$-\frac{x (6 x - 1)}{(2 x - 1) (x^2 - 4 x + 1)}$$

Sequence: A120665
Score: 6.62033
Type of gen. func.: ogf

$$-(733 f(x) - 450) (2 f(x) x^3 - 9 f(x) x^2 + 6 f(x) x + 6 x^2 - f(x) - x)$$

Sequence: A120665
Score: 6.92126
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 9 a(n + 1) + 2 a(n), a(0) = 0, a(1) = -1, a(2) = 0\}$$

Sequence: A120689
Score: 11.0785
Type of gen. func.: revogf

$$-\frac{-3 - 10 x + (6 x + 1)^{1/2} (3 + 2 x)^{1/2} 3^{1/2}}{32 x}$$

Sequence: A120689
Score: 15.2859
Type of gen. func.: ogf

$$\frac{3 x}{(8 x - 1) (2 x - 1)}$$

Sequence: A120689
Score: 19.5721
Type of gen. func.: lgdogf

$$-\frac{2(-5+16x)}{(8x-1)(2x-1)}$$

Sequence: A120689
Score: 7.18253
Type of gen. func.: ogf

$$\{a(n+2)-10a(n+1)+16a(n), a(0)=0, a(1)=3\}$$

Sequence: A120689
Score: 9.77296
Type of gen. func.: ogf

$$-16 f(x) x^2 + 10 f(x) x - f(x) + 3 x$$

Sequence: A120691
Score: 5.53543
Type of gen. func.: ogf

$$-\frac{x^6 - x^4 - 3x^3 + 2x^2 + x + 2}{(x-1)(x^2+x+1)^2}$$

Sequence: A120691
Score: 8.62280
Type of gen. func.: lgdogf

$$\frac{x^8 + x^7 + 2x^6 - x^5 - 10x^4 - x^3 + 2x^2 - x + 1}{(x-1)(x^2+x+1)(x^6 - x^4 - 3x^3 + 2x^2 + x + 2)}$$

Sequence: A120694

Score: 13.0543
Type of gen. func.: ogf

$$-\frac{25 x - 1}{(49 x - 1) (x - 1)}$$

Sequence: A120694
Score: 6.45985
Type of gen. func.: ogf

$$-(1152 f(x) - 527) (49 f(x) x^{2} - 50 f(x) x + f(x) + 25 x - 1)$$

Sequence: A120694
Score: 7.37182
Type of gen. func.: ogf

$$\{a(n + 2) - 50 a(n + 1) + 49 a(n), a(0) = 1, a(1) = 25\}$$

Sequence: A120701
Score: 7.85061
Type of gen. func.: ogf

$$-\frac{x^{8} - 2 x^{7} - 3 x^{6} - 3 x^{5} - 3 x^{4} - 3 x^{3} - 3 x^{2} - 4 x - 2}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A120711
Score: 5.63128
Type of gen. func.: lgdogf

$$-\frac{2 (168 x^{7} + 106 x^{6} - 364 x^{5} - 385 x^{4} + 52 x^{3} + 193 x^{2} + 75 x + 8)}{(x - 1) (2 x + 1) (x + 1) (6 x^{2} + 2 x - 1) (14 x^{3} + 2 x^{2} - 16 x - 7)}$$

Sequence: A120711
Score: 7.08152
Type of gen. func.: ogf

3   2

```
                  2 x (14 x  + 2 x  - 16 x - 7)
        - -------------------------------------------
                                              2
          (x - 1) (2 x + 1) (x + 1) (6 x  + 2 x - 1)
```

Sequence: A120714
Score: 6.08648
Type of gen. func.: lgdogf

```
           6        5        4        3        2
      72 x  + 368 x  + 322 x  - 280 x  - 472 x  - 190 x - 21
    - ---------------------------------------------------------
           2                    3       2                2
      (4 x  + 14 x + 7) (6 x  + 10 x  + 2 x - 1) (x  - x - 1)
```

Sequence: A120714
Score: 7.05485
Type of gen. func.: ogf

```
                           2
                  2 x (4 x  + 14 x + 7)
          -------------------------------------
             2                3       2
          (x  - x - 1) (6 x  + 10 x  + 2 x - 1)
```

Sequence: A120717
Score: 3.10802
Type of gen. func.: ogf

```
                                                    4             3        4
-(2068887034736 f(x) + 17039280657349) (60 f(x) x  + 40 f(x) x  + 378 x

                  2        3                     2
     - 11 f(x) x  + 287 x  - 6 f(x) x - 134 x  + f(x) - 67 x)
```

Sequence: A120717
Score: 6.14774
Type of gen. func.: ogf

```
                     3         2
           x (378 x  + 287 x  - 134 x - 67)
       - --------------------------------------
                                         2
         (2 x + 1) (3 x - 1) (10 x  + 5 x - 1)
```

Sequence: A120718
Score: 17.3839

Type of gen. func.: ogf

$$\frac{3 x}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A120718
Score: 23.3961
Type of gen. func.: lgdogf

$$- \frac{3 x^2 - 4 x - 2}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A120718
Score: 7.04753
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 0, a(1) = 3, a(2) = 6\}$$

Sequence: A120718
Score: 7.59491
Type of gen. func.: ogf

$$-(5 f(x) + 4) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + f(x) - 3 x)$$

Sequence: A120719
Score: 6.00666
Type of gen. func.: ogf

$$- \frac{2 x (60 x^3 - 315 x^2 - 727 x + 305)}{(x - 1) (x^2 + 3 x + 1) (x^2 - 7 x + 1)}$$

Sequence: A120723
Score: 4.00188
Type of gen. func.: ogf

4 3 2 3

$$-(30012 f(x) - 226535) (4 f(x) x + 4 f(x) x - 7 f(x) x - 48 x - 2 f(x) x - 34 x^2 + f(x) - 9 x - 1)$$

Sequence: A120723
Score: 5.84062
Type of gen. func.: lgdogf

$$-\frac{192 x^6 + 272 x^5 + 580 x^4 + 280 x^3 - 127 x^2 - 82 x - 11}{(x - 1) (2 x + 1) (3 x + 1) (16 x^2 + 6 x + 1) (2 x^2 + 3 x - 1)}$$

Sequence: A120723
Score: 7.69981
Type of gen. func.: ogf

$$\frac{(3 x + 1) (16 x^2 + 6 x + 1)}{(2 x + 1) (x - 1) (2 x^2 + 3 x - 1)}$$

Sequence: A120727
Score: 14.0213
Type of gen. func.: ogf

$$-\frac{101 x + 110}{x^2 + x - 1}$$

Sequence: A120727
Score: 14.6399
Type of gen. func.: revogf

$$\frac{-110 - x + (5 x^2 + 624 x + 12100)^{1/2}}{2 (101 + x)}$$

Sequence: A120727
Score: 16.0342
Type of gen. func.: lgdogf

$$-\frac{101 x^2 + 220 x + 211}{(101 x + 110) (x^2 + x - 1)}$$

Sequence: A120727
Score: 7.30896
Type of gen. func.: ogf

$$(431 f(x) - 2889) (f(x) x^2 + f(x) x - f(x) + 101 x + 110)$$

Sequence: A120727
Score: 7.98886
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 110, a(1) = 211\}$$

Sequence: A120740
Score: 12.8685
Type of gen. func.: ogf

$$\frac{x (4 x^3 + x + 4)}{(x + 1) (x - 1)^2}$$

Sequence: A120740
Score: 17.9189
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 14 x^2 + 13 x + 5}{(x - 1) (x + 1) (4 x^3 + x + 4)}$$

Sequence: A120740
Score: 6.91282
Type of gen. func.: ogf

$$(2061 f(x) + 4264) (f(x) x^3 - 4 x^4 - f(x) x^2 - f(x) x - x^2 + f(x) - 4 x)$$

Sequence: A120741
Score: 10.5784
Type of gen. func.: ogf

$$-7 f(x) x^2 + 8 f(x) x - f(x) + 3 x$$

Sequence: A120741
Score: 16.8683
Type of gen. func.: ogf

$$\frac{3 x}{(7 x - 1) (x - 1)}$$

Sequence: A120741
Score: 24.5997
Type of gen. func.: lgdogf

$$- \frac{2 (-4 + 7 x)}{(7 x - 1) (x - 1)}$$

Sequence: A120741
Score: 7.70527
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 7 a(n), a(0) = 0, a(1) = 3\}$$

Sequence: A120743
Score: 13.3549
Type of gen. func.: ogf

$$- \frac{10 x - 1}{10 x^2 - 2 x + 1}$$

Sequence: A120743
Score: 15.4046
Type of gen. func.: revogf

$$-\frac{-1 - 2 x + (-36 x^2 - 36 x + 1)^{1/2}}{20 (x + 1)}$$

Sequence: A120743
Score: 15.4046
Type of gen. func.: lgdogf

$$-\frac{4 (1 + 5 x) (5 x - 2)}{(10 x - 1) (10 x^2 - 2 x + 1)}$$

Sequence: A120743
Score: 6.67746
Type of gen. func.: ogf

$$-(9 f(x) + 1015) (10 f(x) x^2 - 2 f(x) x + f(x) + 10 x - 1)$$

Sequence: A120743
Score: 7.56243
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - 10 a(n), a(0) = 1, a(1) = -8\}$$

Sequence: A120747
Score: 9.03304
Type of gen. func.: ogf

$$\frac{x (x^2 - x - 1)}{x^5 - x^4 - 4 x^3 + 3 x^2 + 3 x - 1}$$

Sequence: A120748
Score: 4.02167
Type of gen. func.: ogf

$$-\frac{x (x^2 - 2 x - 1)}{}$$

$$x^4 - x^3 - 3 x^2 - x + 1$$

Sequence: A120748
Score: 5.7425
Type of gen. func.: ogf

$$(374 f(x) + 123)$$

$$(f(x) x^4 - f(x) x^3 - 3 f(x) x^2 + x^3 - f(x) x - 2 x^2 + f(x) - x)$$

Sequence: A120756
Score: 4.03687
Type of gen. func.: ogf

$$-(-112702003129 + 50148346800 f(x))$$

$$(567 f(x) x^3 + 225 f(x) x^2 - 189 x^3 + 9 f(x) x + 366 x^2 - f(x) + 82 x + 1)$$

Sequence: A120756
Score: 4.28917
Type of gen. func.: ogf

$$\{-a(n + 4) + 9 a(n + 3) + 225 a(n + 2) + 567 a(n + 1), a(0) = 1, a(1) = 91,$$

$$a(2) = 1410, a(3) = 33543\}$$

Sequence: A120756
Score: 7.91846
Type of gen. func.: ogf

$$\frac{189 x^3 - 366 x^2 - 82 x - 1}{(9 x + 1) (3 x + 1) (21 x - 1)}$$

Sequence: A120757
Score: 11.0395
Type of gen. func.: ogf

$$- \frac{x (2 + x)}{x^3 + 4 x^2 + 3 x - 1}$$

Sequence: A120757
Score: 13.4722
Type of gen. func.: lgdogf

$$-\frac{2 x^{3} + 10 x^{2} + 16 x + 7}{(2 + x) (x^{3} + 4 x^{2} + 3 x - 1)}$$

Sequence: A120757
Score: 5.66895
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 4 a(n + 1) - a(n), a(0) = 0, a(1) = 2, a(2) = 7\}$$

Sequence: A120757
Score: 5.88088
Type of gen. func.: ogf

$$(8 f(x) - 9) (f(x) x^{3} + 4 f(x) x^{2} + 3 f(x) x + x^{2} - f(x) + 2 x)$$

Sequence: A120758
Score: 11.0228
Type of gen. func.: ogf

$$\frac{3 x + 1}{x^{3} - 7 x^{2} - 3 x + 1}$$

Sequence: A120758
Score: 11.6703
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^{3} - 9 x^{2} - 7 x - 3)}{(3 x + 1) (x^{3} - 7 x^{2} - 3 x + 1)}$$

Sequence: A120758
Score: 5.16997
Type of gen. func.: ogf

$$\{-a(n+3) + 3\,a(n+2) + 7\,a(n+1) - a(n),\ a(0) = 1,\ a(1) = 6,\ a(2) = 25\}$$

Sequence: A120758
Score: 5.31097
Type of gen. func.: ogf

$$(39994\,f(x) + 4665)\,(f(x)\,x^3 - 7\,f(x)\,x^2 - 3\,f(x)\,x + f(x) - 3\,x - 1)$$

Sequence: A120763
Score: 3.70025
Type of gen. func.: ogf

$$\frac{6399360\,x^6 - 6120600\,x^5 - 181640\,x^4 - 60700\,x^3 - 12138\,x^2 - 24285\,x + 2}{(12143\,x - 1)\,(x - 1)}$$

Sequence: A120765
Score: 3.83130
Type of gen. func.: ogf

$$\{(-2\,n - 4)\,a(n+1) + (-4\,n - 9)\,a(n+2) + (-2\,n - 4)\,a(n+3) + a(n+4),$$

$$a(0) = 0,\ a(1) = 1,\ a(2) = 0,\ a(3) = 5\}$$

Sequence: A120771
Score: 11.7962
Type of gen. func.: ogf

$$-\frac{x^8 - x^5 - x^4 + x^3 - 1}{x^9 - x^6 - 2\,x^3 + 1}$$

Sequence: A120771
Score: 8.28825
Type of gen. func.: lgdogf

$$-x^{2} (x^{14} - 2 x^{11} - 5 x^{10} + 6 x^{9} + 11 x^{8} + 2 x^{7} - 12 x^{6} - 12 x^{5} - 2 x^{4} + 6 x^{3} + 5 x^{2} + 4 x + 3) / ((x^{8} - x^{5} - x^{4} + x^{3} - 1) (x^{9} - x^{6} - 2 x^{3} + 1))$$

Sequence: A120775
Score: 11.8320
Type of gen. func.: ogf

$$-\frac{3 x + 1}{(x + 1) (x^{2} + 4 x - 1)}$$

Sequence: A120775
Score: 12.8033
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^{3} + 9 x^{2} + 5 x + 3)}{(3 x + 1) (x + 1) (x^{2} + 4 x - 1)}$$

Sequence: A120775
Score: 5.54954
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + 5 a(n + 1) + a(n), a(0) = 1, a(1) = 6, a(2) = 23\}$$

Sequence: A120775
Score: 5.7009
Type of gen. func.: ogf

$$(19640 f(x) - 5511) (f(x) x^{3} + 5 f(x) x^{2} + 3 f(x) x - f(x) + 3 x + 1)$$

Sequence: A120844
Score: 14.5876
Type of gen. func.: ogf_with_Euler_transform]

```
      -x + 3
 - -------------
    2
```

$$-x + 2 x - 1$$

Sequence: A120845
Score: 4.34413
Type of gen. func.: ogf

$$(13580 f(x) - 238697) (6 f(x) x^4 - 17 f(x) x^3 + 17 f(x) x^2 - 25 x^3 - 7 f(x) x + 13 x^2 + f(x) + 4 x - 2)$$

Sequence: A120845
Score: 7.51280
Type of gen. func.: lgdogf

$$- \frac{2 (75 x^5 - 3 x^4 - 141 x^3 + 126 x^2 - 42 x + 5)}{(x - 1) (3 x - 1) (2 x - 1) (25 x^3 - 13 x^2 - 4 x + 2)}$$

Sequence: A120845
Score: 8.04469
Type of gen. func.: ogf

$$\frac{25 x^3 - 13 x^2 - 4 x + 2}{(3 x - 1) (2 x - 1) (x - 1)^2}$$

Sequence: A120846
Score: 4.47146
Type of gen. func.: ogf

$$(148 f(x) + 10493) (6 f(x) x^4 - 17 f(x) x^3 + 17 f(x) x^2 - x^3 - 7 f(x) x - 7 x^2 + f(x) + 8 x - 2)$$

Sequence: A120846
Score: 8.04215
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^5+45\,x^4-95\,x^3+72\,x^2-24\,x+3)}{(x-1)\,(3\,x-1)\,(2\,x-1)\,(x^3+7\,x^2-8\,x+2)}$$

Sequence: A120846
Score: 8.20711
Type of gen. func.: ogf

$$\frac{x^3+7\,x^2-8\,x+2}{(3\,x-1)\,(2\,x-1)\,(x-1)^2}$$

Sequence: A120848
Score: 4.38846
Type of gen. func.: ogf

$$(148\,f(x)-1165)\,(6\,f(x)\,x^4-17\,f(x)\,x^3+17\,f(x)\,x^2+11\,x^3-7\,f(x)\,x$$
$$-17\,x^2+f(x)+10\,x-2)$$

Sequence: A120848
Score: 7.34967
Type of gen. func.: lgdogf

$$-\frac{2\,(33\,x^5-69\,x^4+72\,x^3-45\,x^2+15\,x-2)}{(x-1)\,(3\,x-1)\,(2\,x-1)\,(11\,x^3-17\,x^2+10\,x-2)}$$

Sequence: A120848
Score: 7.86712
Type of gen. func.: ogf

$$-\frac{11\,x^3-17\,x^2+10\,x-2}{(3\,x-1)\,(2\,x-1)\,(x-1)^2}$$

Sequence: A120849
Score: 4.52004
Type of gen. func.: ogf

$$(388 f(x) - 1003) \left(6 f(x) x^4 - 17 f(x) x^3 + 17 f(x) x^2 - 31 x^3 - 7 f(x) x + 27 x^2 + f(x) - 6 x \right)$$

Sequence: A120849
Score: 8.33566
Type of gen. func.: ogf

$$\frac{x (31 x^2 - 27 x + 6)}{(3 x - 1) (2 x - 1) (x - 1)^2}$$

Sequence: A120849
Score: 8.54151
Type of gen. func.: lgdogf

$$- \frac{372 x^4 - 641 x^3 + 421 x^2 - 127 x + 15}{(x - 1) (3 x - 1) (2 x - 1) (31 x^2 - 27 x + 6)}$$

Sequence: A120892
Score: 11.7216
Type of gen. func.: ogf

$$- \frac{3 x - 1}{(x + 1) (x^2 - 4 x + 1)}$$

Sequence: A120892
Score: 16.0944
Type of gen. func.: lgdogf

$$- \frac{6 x (x - 1)^2}{(3 x - 1) (x + 1) (x^2 - 4 x + 1)}$$

Sequence: A120892
Score: 5.59679
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 0, a(2) = 3\}$$

Sequence: A120892
Score: 5.75225
Type of gen. func.: ogf

$$(1414 f(x) - 685) (f(x) x^3 - 3 f(x) x^2 - 3 f(x) x + f(x) + 3 x - 1)$$

Sequence: A120893
Score: 10.6065
Type of gen. func.: ogf

$$-\frac{x^2 + 2 x - 1}{(x + 1) (x^2 - 4 x + 1)}$$

Sequence: A120893
Score: 11.7430
Type of gen. func.: lgdogf

$$-\frac{x^4 + 4 x^3 - 6 x^2 + 4 x + 1}{(x + 1) (x^2 - 4 x + 1) (x^2 + 2 x - 1)}$$

Sequence: A120893
Score: 5.52986
Type of gen. func.: ogf

$$-(23 f(x) - 11) (f(x) x^3 - 3 f(x) x^2 - 3 f(x) x + x^2 + f(x) + 2 x - 1)$$

Sequence: A120893
Score: 5.77674

Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 1, a(2) = 5\}$$

Sequence: A120908
Score: 10.396
Type of gen. func.: ogf

$$-9 f(x) x^2 + 6 f(x) x - f(x) + 4 x$$

Sequence: A120908
Score: 16.5774
Type of gen. func.: ogf

$$\frac{4 x}{(3 x - 1)^2}$$

Sequence: A120908
Score: 28.7538
Type of gen. func.: revogf

$$\frac{x}{(1 + (3 x + 1)^{1/2})^2}$$

Sequence: A120908
Score: 54.8936
Type of gen. func.: lgdogf

$$- \frac{6}{3 x - 1}$$

Sequence: A120908
Score: 7.57240
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 9 a(n), a(0) = 0, a(1) = 4\}$$

Sequence: A120925
Score: 11.4267
Type of gen. func.: ogf

$$-\frac{x^2 - x + 1}{2 x^3 - 2 x^2 + 3 x - 1}$$

Sequence: A120925
Score: 13.1454
Type of gen. func.: lgdogf

$$-\frac{(x^2 - 2 x + 2) (2 x^2 + 1)}{(x^2 - x + 1) (2 x^3 - 2 x^2 + 3 x - 1)}$$

Sequence: A120925
Score: 6.06113
Type of gen. func.: ogf

$$-(6 f(x) + 1) (2 f(x) x^3 - 2 f(x) x^2 + 3 f(x) x + x^2 - f(x) - x + 1)$$

Sequence: A120925
Score: 6.22349
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 2 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A120926
Score: 14.5515
Type of gen. func.: ogf

$$\frac{(x - 1)^2}{(3 x - 1)^2}$$

Sequence: A120926

Score: 50.5362
Type of gen. func.: lgdogf

$$\frac{4}{(3 x - 1) (x - 1)}$$

Sequence: A120926
Score: 7.48764
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 9 a(n + 1), a(0) = 1, a(1) = 4, a(2) = 16\}$$

Sequence: A120926
Score: 8.20453
Type of gen. func.: ogf

$$(7 f(x) + 11) (9 f(x) x^2 - 6 f(x) x - x^2 + f(x) + 2 x - 1)$$

Sequence: A120928
Score: 3.32362
Type of gen. func.: ogf

$$\{(2 n^2 + 6 n) a(n) + (-4 n^2 - 26 n - 26) a(n + 1) + (3 n^2 + 31 n + 62) a(n + 2) + (-3 n - 9) a(n + 3), a(0) = 2, a(1) = 8, a(2) = 44\}$$

Sequence: A120928
Score: 4.25508
Type of gen. func.: egf]

$$(8527113 f(x) + 15686768) (3 f(x) x^4 - 12 f(x) x^3 - x^4 + 18 f(x) x^2 + 4 x^3 - 12 f(x) x - 6 x^2 + 3 f(x) - 6)$$

Sequence: A120928
Score: 7.95295
Type of gen. func.: egf]

$$x^4 - 4 x^3 + 6 x^2 + 6$$

$$\frac{}{3 (x - 1)^4}$$

Sequence: A120940
Score: 10.6524
Type of gen. func.: ogf

$$\frac{x (2 x + 1)}{(x + 1) (x^2 + x - 1)^2}$$

Sequence: A120940
Score: 17.0416
Type of gen. func.: lgdogf

$$-\frac{8 x^3 + 15 x^2 + 9 x + 3}{(2 x + 1) (x + 1) (x^2 + x - 1)}$$

Sequence: A120948
Score: 3.94856
Type of gen. func.: ogf

$$-(6139 f(x) - 74044) (15 f(x) x^4 - 38 f(x) x^3 + 32 f(x) x^2 - 112 x^3 - 10 f(x) x + 46 x^2 + f(x) + 4 x - 2)$$

Sequence: A120948
Score: 6.97281
Type of gen. func.: lgdogf

$$-\frac{2 (420 x^5 + 75 x^4 - 429 x^3 + 237 x^2 - 51 x + 4)}{(x - 1) (3 x - 1) (5 x - 1) (56 x^3 - 23 x^2 - 2 x + 1)}$$

Sequence: A120948
Score: 7.28602
Type of gen. func.: ogf

$$\frac{2 (56 x^3 - 23 x^2 - 2 x + 1)}{(5 x - 1) (3 x - 1) (x - 1)^2}$$

Sequence: A120949
Score: 4.05316
Type of gen. func.: ogf

$$(5528 f(x) - 182423) (15 f(x) x^4 - 38 f(x) x^3 + 32 f(x) x^2 - 22 x^3 - 10 f(x) x - 2 x^2 + f(x) + 10 x - 2)$$

Sequence: A120949
Score: 7.31295
Type of gen. func.: lgdogf

$$- \frac{165 x^5 + 195 x^4 - 420 x^3 + 240 x^2 - 57 x + 5}{(x - 1) (3 x - 1) (5 x - 1) (11 x^3 + x^2 - 5 x + 1)}$$

Sequence: A120949
Score: 7.37381
Type of gen. func.: ogf

$$\frac{2 (11 x^3 + x^2 - 5 x + 1)}{(5 x - 1) (3 x - 1) (x - 1)^2}$$

Sequence: A120950
Score: 3.92862
Type of gen. func.: ogf

$$-(5528 f(x) + 10687) (15 f(x) x^4 - 38 f(x) x^3 + 32 f(x) x^2 + 38 x^3 - 10 f(x) x - 34 x^2 + f(x) + 14 x - 2)$$

Sequence: A120950
Score: 7.01848
Type of gen. func.: lgdogf

$$-\frac{285 x^5 - 225 x^4 + 128 x^3 - 84 x^2 + 27 x - 3}{(x - 1) (3 x - 1) (5 x - 1) (19 x^3 - 17 x^2 + 7 x - 1)}$$

Sequence: A120950
Score: 7.24923
Type of gen. func.: ogf

$$-\frac{2 (19 x^3 - 17 x^2 + 7 x - 1)}{(5 x - 1) (3 x - 1) (x - 1)^2}$$

Sequence: A120969
Score: 4.03268
Type of gen. func.: ogf

$$-(6139 f(x) - 2249) (15 f(x) x^4 - 38 f(x) x^3 + 32 f(x) x^2 - 122 x^3 - 10 f(x) x + 68 x^2 + f(x) - 10 x)$$

Sequence: A120969
Score: 7.51772
Type of gen. func.: ogf

$$\frac{2 x (61 x^2 - 34 x + 5)}{(5 x - 1) (3 x - 1) (x - 1)^2}$$

Sequence: A120969
Score: 8.10354
Type of gen. func.: lgdogf

$$-\frac{2 (915 x^4 - 1009 x^3 + 433 x^2 - 91 x + 8)}{(x - 1) (3 x - 1) (5 x - 1) (61 x^2 - 34 x + 5)}$$

Sequence: A120978
Score: 4.06607
Type of gen. func.: ogf

$$-(5528 f(x) + 8417) (15 f(x) x^4 - 38 f(x) x^3 + 32 f(x) x^2 - 32 x^3 - 10 f(x) x + 20 x^2 + f(x) - 4 x)$$

Sequence: A120978
Score: 7.66891
Type of gen. func.: ogf

$$\frac{4 x (8 x^2 - 5 x + 1)}{(5 x - 1) (3 x - 1) (x - 1)^2}$$

Sequence: A120978
Score: 8.64595
Type of gen. func.: lgdogf

$$-\frac{240 x^4 - 289 x^3 + 151 x^2 - 43 x + 5}{(x - 1) (3 x - 1) (5 x - 1) (8 x^2 - 5 x + 1)}$$

Sequence: A120984
Score: 11.2282
Type of gen. func.: ogf

$$-1 + f(x) - 3 f(x)^2 x^2 - f(x)^3 x^3$$

Sequence: A120984
Score: 43.5051
Type of gen. func.: revogf

$$\frac{x}{x^3 + 3 x^2 + 1}$$

Sequence: A120985
Score: 10.7731
Type of gen. func.: ogf

$$-f(x)^3 x^3 - 3 f(x) x + f(x) - 1$$

Sequence: A120985
Score: 47.9152
Type of gen. func.: revogf

$$\frac{x}{x^3 + 3 x + 1}$$

Sequence: A120989
Score: 3.81046
Type of gen. func.: ogf

$$\{(-4 n^2 - 26 n - 42) a(n + 1) + (-19 n^2 - 182 n - 423) a(n + 2)$$

$$+ (5 n^2 + 55 n + 120) a(n + 3), a(0) = 2, a(1) = 9, a(2) = 34\}$$

Sequence: A120990
Score: 10.2324
Type of gen. func.: lgdogf

$$-\frac{315 x^3 - 397 x^2 + 169 x - 23}{(x - 1) (7 x - 3) (3 x - 1) (5 x - 1)}$$

Sequence: A120990
Score: 4.19344
Type of gen. func.: ogf

$$(5528 f(x) + 201527)$$

$$(15 f(x) x^4 - 38 f(x) x^3 + 32 f(x) x^2 + 28 x^3 - 10 f(x) x - 12 x^2 + f(x))$$

Sequence: A120990
Score: 7.99549
Type of gen. func.: ogf

$$-\frac{4 x^{2} (7 x - 3)}{(5 x - 1) (3 x - 1) (x - 1)^{2}}$$

Sequence: A121005
Score: 5.07533
Type of gen. func.: ogf

$$-\frac{244140625 x^{4} + 390625 x^{3} + 15625 x^{2} + 125 x + 1}{(125 x - 1) (244140625 x^{4} + 1953125 x^{3} + 15625 x^{2} + 125 x + 1)}$$

Sequence: A121013
Score: 4.42149
Type of gen. func.: ogf

$$\frac{2853116706110 x^{6} - 214358881 x^{4} - 1}{(121 x - 1) (214358881 x^{4} + 1)}$$

Sequence: A121013
Score: 6.72835
Type of gen. func.: ogf

$$-(f(x) - 1) (121 f(x) x - f(x) + 1)^{2}$$

Sequence: A121023
Score: 4.92126
Type of gen. func.: ogf

$$- 3 (8 x^{20} + x^{19} - 8 x^{18} - x^{17} + 5 x^{15} + 4 x^{14} - 5 x^{12} - 4 x^{11} + 2 x^{9} + 7 x^{8} - 2 x^{6} - 7 x^{5} + 8 x^{2} - 8 x - 1) / (x - 1)^{2}$$

Sequence: A121025
Score: 16.1147
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{11} + x^{10} + x^{5} - x^{4} - x + 3$$

Sequence: A121025
Score: 5.69461
Type of gen. func.: ogf

$$\frac{5 (x + 1) (x^{2} + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{2} + 1)}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A121054
Score: 22.7198
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4 + x}{-x - 1}$$

Sequence: A121055
Score: 20.3006
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4 + x}{-x - 1}$$

Sequence: A121101
Score: 6.24988
Type of gen. func.: ogf

$$-(5 f(x) + 4) ($$

$$25 f(x) x^{4} - 30 f(x) x^{3} - 10 x^{4} + 21 x^{3} + 6 f(x) x - 3 x^{2} - f(x) - 5 x + 1)$$

Sequence: A121102
Score: 10.0463
Type of gen. func.: ogf

$$25 f(x) x^4 - 30 f(x) x^3 + 4 x^3 + 6 f(x) x - f(x)$$

Sequence: A121112
Score: 9.85981
Type of gen. func.: ogf

$$x f(x)^3 + 30 f(x)^2 x + 125 f(x) x - 25 f(x) + 125 x$$

Sequence: A121113
Score: 6.29568
Type of gen. func.: ogf

$$-f(x)^3 x^2 + 156 f(x)^2 x^2 + 12 f(x)^2 x - 468 f(x) x^2 + 360 f(x) x + 216 x^2 - 36 f(x)$$

Sequence: A121114
Score: 5.63485
Type of gen. func.: ogf

$$-f(x)^3 x^3 - 129 f(x)^2 x^3 - 18 f(x)^2 x^2 - 38 f(x) x^3 + 57 f(x) x^2 - x^3 - 15 f(x) x + f(x)$$

Sequence: A121115
Score: 7.0008
Type of gen. func.: ogf

$$-x^4 f(x)^3 + 26 f(x)^2 x^3 + 2 f(x)^2 x^2 - 13 f(x) x^2 + 10 f(x) x - f(x) + x$$

Sequence: A121123
Score: 6.32984
Type of gen. func.: ogf

$$(2 f(x) - 1)$$

$$(36 f(x) x^3 - 6 f(x) x^2 - 9 x^3 - 6 f(x) x + 12 x^2 + f(x) + 3 x - 1)$$

Sequence: A121133
Score: 6.86217
Type of gen. func.: lgdogf

$$\frac{16 x^8 - 8 x^7 - 28 x^6 + 20 x^5 + 20 x^4 - 26 x^3 + 7 x^2 + 2 x - 1}{(2 x - 1) (2 x^2 - 1) (2 x^6 + 2 x^5 - 5 x^3 + 3 x - 1)}$$

Sequence: A121133
Score: 9.33448
Type of gen. func.: ogf

$$\frac{2 x^6 + 2 x^5 - 5 x^3 + 3 x - 1}{(2 x^2 - 1) (2 x - 1)^2}$$

Sequence: A121134
Score: 4.46272
Type of gen. func.: ogf

$$\frac{8 x^9 + 4 x^8 - 18 x^7 - 10 x^6 + 20 x^5 + 8 x^4 - 13 x^3 - x^2 + 4 x - 1}{(2 x^2 - 1)^2 (2 x - 1)^3}$$

Sequence: A121135
Score: 4.37081
Type of gen. func.: ogf

$$\frac{16 x^{10} - 40 x^8 + 8 x^7 + 30 x^6 - 18 x^4 - 2 x^3 + 12 x^2 - 6 x + 1}{(2 x^2 - 1)^2 (2 x - 1)^4}$$

Sequence: A121138
Score: 6.81788
Type of gen. func.: ogf

$$\frac{16 x^6 + 24 x^5 + 30 x^4 - 30 x^3 - 7 x^2 + 7 x - 1}{(2 x - 1) (2 x + 1) (4 x - 1)^2}$$

Sequence: A121173
Score: 11.0420
Type of gen. func.: ogf

$$\frac{2 (2 x + 1)}{(2 x^2 - 1) (x - 1) (x + 1)^2}$$

Sequence: A121173
Score: 12.6540
Type of gen. func.: lgdogf

$$- \frac{16 x^4 + 6 x^3 - 10 x^2 - 5 x - 1}{(x - 1) (2 x + 1) (x + 1) (2 x^2 - 1)}$$

Sequence: A121177
Score: 13.2028
Type of gen. func.: ogf

$$-5 f(x) x^2 + 6 f(x) x - f(x) + 2 x$$

Sequence: A121199
Score: 3.67401
Type of gen. func.: ogf

$$-(541752 f(x) - 210617) (35 f(x) x^4 - 82 f(x) x^3 + 60 f(x) x^2 - 408 x^3$$
$$- 14 f(x) x + 118 x^2 + f(x) + 4 x - 2)$$

Sequence: A121199
Score: 6.15252
Type of gen. func.: lgdogf

$$-\frac{2\,(3570\,x^5+1505\,x^4-2301\,x^3+789\,x^2-113\,x+6)}{(x-1)\,(4\,x-1)\,(7\,x-1)\,(5\,x-1)\,(51\,x^2-2\,x-1)}$$

Sequence: A121199
Score: 6.87255
Type of gen. func.: ogf

$$\frac{2\,(4\,x-1)\,(51\,x^2-2\,x-1)}{(7\,x-1)\,(5\,x-1)\,(x-1)^2}$$

Sequence: A121200
Score: 3.65105
Type of gen. func.: ogf

$$-(31033512\,f(x)+8975023)\,(35\,f(x)\,x^4-82\,f(x)\,x^3+60\,f(x)\,x^2-58\,x^3$$
$$-14\,f(x)\,x-2\,x^2+f(x)+14\,x-2)$$

Sequence: A121200
Score: 6.65331
Type of gen. func.: lgdogf

$$-\frac{1015\,x^5+1085\,x^4-1472\,x^3+628\,x^2-111\,x+7}{(x-1)\,(7\,x-1)\,(5\,x-1)\,(29\,x^3+x^2-7\,x+1)}$$

Sequence: A121200
Score: 7.03816
Type of gen. func.: ogf

$$\frac{2\,(29\,x^3+x^2-7\,x+1)}{(7\,x-1)\,(5\,x-1)\,(x-1)^2}$$

Sequence: A121201
Score: 3.69726
Type of gen. func.: ogf

$$(31033512 f(x) - 11008087) (35 f(x) x^4 - 82 f(x) x^3 + 60 f(x) x^2 + 82 x^3 - 14 f(x) x - 50 x^2 + f(x) + 18 x - 2)$$

Sequence: A121201
Score: 6.57683
Type of gen. func.: lgdogf

$$-\frac{1435 x^5 - 315 x^4 + 220 x^3 - 248 x^2 + 65 x - 5}{(x - 1) (7 x - 1) (5 x - 1) (41 x^3 - 25 x^2 + 9 x - 1)}$$

Sequence: A121201
Score: 6.95437
Type of gen. func.: ogf

$$-\frac{2 (41 x^3 - 25 x^2 + 9 x - 1)}{(7 x - 1) (5 x - 1) (x - 1)^2}$$

Sequence: A121202
Score: 3.8235
Type of gen. func.: ogf

$$(541752 f(x) + 556387) (35 f(x) x^4 - 82 f(x) x^3 + 60 f(x) x^2 - 422 x^3 - 14 f(x) x + 148 x^2 + f(x) - 14 x)$$

Sequence: A121202
Score: 7.08746
Type of gen. func.: ogf

$$\frac{2 x (211 x^2 - 74 x + 7)}{(7 x - 1) (5 x - 1) (x - 1)^2}$$

Sequence: A121202
Score: 7.24284
Type of gen. func.: lgdogf

$$-\frac{2\,(7385\,x^4 - 5151\,x^3 + 1407\,x^2 - 197\,x + 12)}{(x - 1)\,(7\,x - 1)\,(5\,x - 1)\,(211\,x^2 - 74\,x + 7)}$$

Sequence: A121203
Score: 3.77893
Type of gen. func.: ogf

$$(31033512\,f(x) + 22838047)\,(35\,f(x)\,x^4 - 82\,f(x)\,x^3 + 60\,f(x)\,x^2 - 72\,x^3$$

$$- 14\,f(x)\,x + 28\,x^2 + f(x) - 4\,x)$$

Sequence: A121203
Score: 7.31868
Type of gen. func.: ogf

$$\frac{4\,x\,(18\,x^2 - 7\,x + 1)}{(7\,x - 1)\,(5\,x - 1)\,(x - 1)^2}$$

Sequence: A121203
Score: 8.01674
Type of gen. func.: lgdogf

$$-\frac{1260\,x^4 - 951\,x^3 + 337\,x^2 - 77\,x + 7}{(x - 1)\,(7\,x - 1)\,(5\,x - 1)\,(18\,x^2 - 7\,x + 1)}$$

Sequence: A121204
Score: 3.78408
Type of gen. func.: ogf

$$-(31033512\,f(x) + 2854937)$$

$$(35 f(x) x^4 - 82 f(x) x^3 + 60 f(x) x^2 + 68 x^3 - 14 f(x) x - 20 x^2 + f(x))$$

Sequence: A121204
Score: 7.66907
Type of gen. func.: ogf

$$-\frac{4 x^2 (17 x - 5)}{(7 x - 1) (5 x - 1) (x - 1)^2}$$

Sequence: A121204
Score: 9.33096
Type of gen. func.: lgdogf

$$-\frac{1785 x^3 - 1703 x^2 + 547 x - 53}{(x - 1) (7 x - 1) (5 x - 1) (17 x - 5)}$$

Sequence: A121205
Score: 10.7720
Type of gen. func.: ogf

$$-\frac{6 (43 x^2 - 98 x + 57)}{(x - 1)^3}$$

Sequence: A121205
Score: 17.2455
Type of gen. func.: lgdogf

$$-\frac{43 x^2 - 110 x + 73}{(x - 1) (43 x^2 - 98 x + 57)}$$

Sequence: A121205
Score: 5.86766
Type of gen. func.: ogf

$(170 f(x) + 78831)$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 258 x^2 - f(x) - 588 x + 342)$$

Sequence: A121205
Score: 6.11628
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 342, a(1) = 438, a(2) = 546\}$

Sequence: A121213
Score: 14.8250
Type of gen. func.: ogf

$$\frac{2 x}{(7 x - 1) (5 x - 1)}$$

Sequence: A121213
Score: 16.2625
Type of gen. func.: revogf

$$- \frac{-1 - 6 x + (x^2 + 12 x + 1)^{1/2}}{35 x}$$

Sequence: A121213
Score: 20.3282
Type of gen. func.: lgdogf

$$- \frac{2 (-6 + 35 x)}{(7 x - 1) (5 x - 1)}$$

Sequence: A121213
Score: 6.96598
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 35 a(n), a(0) = 0, a(1) = 2\}$$

Sequence: A121213
Score: 9.4783
Type of gen. func.: ogf

$$-35 f(x) x^2 + 12 f(x) x - f(x) + 2 x$$

Sequence: A121230
Score: 5.88729
Type of gen. func.: lgdogf

$$-\frac{4 x^9 - 8 x^8 - 12 x^7 + 52 x^6 - 114 x^5 + 97 x^4 - 80 x^3 + 33 x^2 + 34 x + 5}{(x^3 - x - 1) (x^3 - x^2 + 2 x - 1) (2 x^4 - 2 x^3 - 4 x^2 + 8 x - 13)}$$

Sequence: A121230
Score: 6.59719
Type of gen. func.: ogf

$$-\frac{x (2 x^4 - 2 x^3 - 4 x^2 + 8 x - 13)}{(x^3 - x - 1) (x^3 - x^2 + 2 x - 1)}$$

Sequence: A121257
Score: 10.5912
Type of gen. func.: ogf

$$-\frac{4 (x - 1)}{(x^2 - 3 x + 1)^2}$$

Sequence: A121257
Score: 20.1180
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 7 x + 5}{(x - 1) (x^2 - 3 x + 1)}$$

Sequence: A121257
Score: 3.25075
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (17 + 4 n) a(n + 3) + (-15 - 4 n) a(n + 2) + (n + 4) a(n + 1), a(0) = 4, a(1) = 20, a(2) = 76, a(3) = 260\}$$

Sequence: A121257
Score: 5.25321
Type of gen. func.: ogf

$$(244 f(x) - 49) (f(x) x^4 - 6 f(x) x^3 + 11 f(x) x^2 - 6 f(x) x + f(x) + 4 x - 4)$$

Sequence: A121260
Score: 5.62219
Type of gen. func.: ogf

$$- x^2 (x^{30} + x^{26} + x^{24} - x^{22} - x^{16} - x^{14} - 2 x^{12} - x^{10} - 2 x^8 - 2 x^6 - x^4 - x^2 - 1) / ((x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^6 + x^3 + 1) (x^6 - x^3 + 1) (x - 1)^2)$$

Sequence: A121262
Score: 15.469
Type of gen. func.: ogf

$$-f(x) x^4 + f(x) - 1$$

Sequence: A121262
Score: 18.5779
Type of gen. func.: lgdogf

$$a(n + 4) - a(n), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 4$$

Sequence: A121262

Score: 19.7773
Type of gen. func.: ogf

$$-\frac{1}{(x^2 + 1)\,(x - 1)\,(x + 1)}$$

Sequence: A121262
Score: 29.0079
Type of gen. func.: ogf_with_Euler_transform]

$$[x^3]$$

Sequence: A121273
Score: 10.1954
Type of gen. func.: ogf

$$-2\,x^4 + 2\,x^3 + f(x)\,x - 2\,x^2 - f(x) + 2\,x + 1$$

Sequence: A121273
Score: 11.5325
Type of gen. func.: ogf

$$\frac{2\,x^4 - 2\,x^3 + 2\,x^2 - 2\,x - 1}{x - 1}$$

Sequence: A121273
Score: 11.8276
Type of gen. func.: lgdogf

$$\frac{6\,x^4 - 12\,x^3 + 8\,x^2 - 4\,x + 3}{(x - 1)\,(2\,x^4 - 2\,x^3 + 2\,x^2 - 2\,x - 1)}$$

Sequence: A121302
Score: 7.77513
Type of gen. func.: lgdogf

$$-\frac{4x^6-19x^5+37x^4-38x^3+14x^2+x-1}{(x-1)(2x-1)(x^2-3x+1)(x^3-x^2-2x+1)}$$

Sequence: A121302
Score: 7.84047
Type of gen. func.: ogf

$$-\frac{(2x-1)(x-1)^2}{(x^2-3x+1)(x^3-x^2-2x+1)}$$

Sequence: A121311
Score: 14.4189
Type of gen. func.: ogf

$$-\frac{5x^2+x+1}{x^3-2x^2+x-1}$$

Sequence: A121311
Score: 17.6573
Type of gen. func.: lgdogf

$$-\frac{5x^4+2x^3-4x^2+6x+2}{(5x^2+x+1)(x^3-2x^2+x-1)}$$

Sequence: A121311
Score: 7.32959
Type of gen. func.: ogf

$$-(547 f(x) - 1786) (f(x) x^3 - 2 f(x) x^2 + f(x) x + 5 x^2 - f(x) + x + 1)$$

Sequence: A121311
Score: 7.85313
Type of gen. func.: ogf

$$\{a(n+3) - a(n+2) + 2\,a(n+1) - a(n),\ a(0) = 1,\ a(1) = 2,\ a(2) = 5\}$$

Sequence: A121318
Score: 10.4285
Type of gen. func.: ogf

$$\frac{2\,x\,(x+1)\,(x^2 - 2\,x + 2)}{(x-1)^4}$$

Sequence: A121318
Score: 18.7535
Type of gen. func.: lgdogf

$$-\frac{x^3 + x^2 - 2\,x + 8}{(x-1)\,(x+1)\,(x^2 - 2\,x + 2)}$$

Sequence: A121318
Score: 4.88001
Type of gen. func.: ogf

$$\{(-19\,n^2 - 58\,n)\,a(n) + (40\,n^2 + 61\,n - 96)\,a(n+1)$$

$$+ (-21\,n^2 + 3\,n + 24)\,a(n+2),\ a(0) = 0,\ a(1) = 4\}$$

Sequence: A121318
Score: 5.47685
Type of gen. func.: ogf

$$-(16\,f(x) - 21)$$

$$(f(x)\,x^4 - 4\,f(x)\,x^3 - 2\,x^4 + 6\,f(x)\,x^2 + 2\,x^3 - 4\,f(x)\,x + f(x) - 4\,x)$$

Sequence: A121320
Score: 3.59708
Type of gen. func.: ogf

$\{(-4 n - 2) a(n) + (-3 n - 1) a(n + 1) + (5 n + 3) a(n + 2) + (-n - 1) a(n + 3)$

$, a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 2\}$

Sequence: A121323
Score: 5.81223
Type of gen. func.: ogf

$\{-a(n + 1) + (2 n + 7) a(n + 2) - a(n + 3), a(0) = 0, a(1) = 1, a(2) = 5\}$

Sequence: A121324
Score: 3.22758
Type of gen. func.: ogf

$$(-1769473739927 + 911632264272 f(x)) (100 f(x) x^4 - 220 f(x) x^3 - 100 x^4 + 141 f(x) x^2 + 320 x^3 - 22 f(x) x - 51 x^2 + f(x) + 3 x - 1)$$

Sequence: A121324
Score: 5.98932
Type of gen. func.: ogf

$$\frac{100 x^4 - 320 x^3 + 51 x^2 - 3 x + 1}{(10 x - 1)^2 (x - 1)^2}$$

Sequence: A121324
Score: 7.02967
Type of gen. func.: lgdogf

$$\frac{1000 x^4 + 2900 x^3 - 870 x^2 + 29 x + 19}{(x - 1) (10 x - 1) (100 x^4 - 320 x^3 + 51 x^2 - 3 x + 1)}$$

Sequence: A121351
Score: 4.97242
Type of gen. func.: ogf

$\{-a(n + 1) + (3 n + 10) a(n + 2) - a(n + 3), a(0) = 0, a(1) = 1, a(2) = 7\}$

Sequence: A121353
Score: 6.19630
Type of gen. func.: ogf

$$\{a(n + 1) + (-3 n - 7) a(n + 2) + a(n + 3), a(0) = 0, a(1) = 1, a(2) = 4\}$$

Sequence: A121354
Score: 6.32432
Type of gen. func.: ogf

$$\{-a(n + 1) + (3 n + 8) a(n + 2) - a(n + 3), a(0) = 0, a(1) = 1, a(2) = 5\}$$

Sequence: A121363
Score: 4.81747
Type of gen. func.: ogf_with_Euler_transform]

$$- (2 x^{17} + 2 x^{16} + x^{15} + x^{13} + 2 x^{12} + x^{11} + 2 x^{10} + x^{9} + 2 x^{8} + x^{7} + 2 x^{6} + x^{5} + 2 x^{4} + x^{3} + x + 2) / (-x^{18} + 1)$$

Sequence: A121364
Score: 10.9128
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^{7} - x^{6} - 5 x^{5} - 2 x^{4} - x^{3} + x + 1)}{(x^{2} + x - 1) (x^{2} - x - 1) (x^{4} + x^{2} - 1)}$$

Sequence: A121364
Score: 9.50429
Type of gen. func.: ogf

$$- \frac{x^{2} (x^{2} - x - 1)}{(x^{2} + x - 1) (x^{4} + x^{2} - 1)}$$

Sequence: A121365
Score: 4.02359
Type of gen. func.: ogf

$$(186 f(x) + 415) (9 f(x) x^4 - 24 f(x) x^3 + 22 f(x) x^2 + 8 x^3 - 8 f(x) x - 15 x^2 + f(x) + 7 x - 1)$$

Sequence: A121365
Score: 7.24248
Type of gen. func.: ogf

$$- \frac{8 x^3 - 15 x^2 + 7 x - 1}{(3 x - 1)^2 (x - 1)^2}$$

Sequence: A121365
Score: 8.58368
Type of gen. func.: lgdogf

$$- \frac{(2 x - 1) (12 x^3 - 23 x^2 + 8 x - 1)}{(x - 1) (3 x - 1) (8 x^3 - 15 x^2 + 7 x - 1)}$$

Sequence: A121373
Score: 10.1851
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^3 + x^2 - 2 x + 1}{x^4 - 1}$$

Sequence: A121381
Score: 8.73740
Type of gen. func.: ogf

$$\frac{x (3 x^6 + 3 x^5 + 3 x^4 + 3 x^3 + 3 x^2 + 3 x + 4)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A121401
Score: 10.5537
Type of gen. func.: lgdogf

$$-\frac{3 x^4 - 14 x^3 + 26 x^2 - 14 x + 3}{(x - 1) (-2 + x) (3 x - 1) (x^2 - 4 x + 1)}$$

Sequence: A121401
Score: 10.7648
Type of gen. func.: ogf

$$-\frac{(3 x - 1) (-2 + x)}{(x - 1) (x^2 - 4 x + 1)}$$

Sequence: A121401
Score: 5.51807
Type of gen. func.: ogf

$$-(474 f(x) + 361) (f(x) x^3 - 5 f(x) x^2 + 5 f(x) x + 3 x^2 - f(x) - 7 x + 2)$$

Sequence: A121401
Score: 5.86296
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 5 a(n + 1) + a(n), a(0) = 2, a(1) = 3, a(2) = 8\}$$

Sequence: A121442
Score: 13.1834
Type of gen. func.: ogf

$$-\frac{(x - 1) (x + 1)}{x^3 - 9 x^2 - x + 1}$$

Sequence: A121442

Score: 13.2864
Type of gen. func.: lgdogf

$$-\frac{x^4 - 2 x^2 + 16 x + 1}{(x - 1) (x + 1) (x^3 - 9 x^2 - x + 1)}$$

Sequence: A121442
Score: 6.59167
Type of gen. func.: ogf

$$-(197 f(x) - 21) (f(x) x^3 - 9 f(x) x^2 - f(x) x + x^2 + f(x) - 1)$$

Sequence: A121442
Score: 6.70939
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 9 a(n + 1) - a(n), a(0) = 1, a(1) = 1, a(2) = 9\}$$

Sequence: A121443
Score: 14.2343
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4 x^3 + x^2 - 2 x - 1}{x^4 + x^2 + 1}$$

Sequence: A121444
Score: 7.56760
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^4 + x^3 + x^2 + x + 1}{-x^5 - x^4 - x^3 - x^2 - x - 1}$$

Sequence: A121446
Score: 23.0639
Type of gen. func.: revogf

$$x - 1 - (x - 1)^{(2/3)} (-1)^{(1/3)}$$

Sequence: A121446
Score: 4.01528
Type of gen. func.: ogf

$$\{(-27 n^3 - 27 n^2 - 6 n) a(n) + (-23 n^3 - 125 n^2 - 218 n - 120) a(n + 1) + (4 n^3 + 26 n^2 + 54 n + 36) a(n + 2), a(0) = 3, a(1) = 3\}$$

Sequence: A121446
Score: 5.97474
Type of gen. func.: ogf

$$-f(x)^3 x^2 + 3 f(x)^2 x^2 + 2 f(x)^2 x - 3 f(x) x^2 - 6 f(x) x + x^2 - f(x) + 3 x + 3$$

Sequence: A121449
Score: 10.2171
Type of gen. func.: lgdogf

$$-\frac{2 x^4 - 6 x^3 + 2 x^2 + 2 x - 1}{(x - 1) (2 x - 1) (x^3 + 3 x^2 - 4 x + 1)}$$

Sequence: A121449
Score: 12.8800
Type of gen. func.: ogf

$$\frac{(2 x - 1) (x - 1)}{x^3 + 3 x^2 - 4 x + 1}$$

Sequence: A121449
Score: 7.01497
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 3 a(n + 1) - a(n), a(0) = 1, a(1) = 1, a(2) = 3\}$$

Sequence: A121449
Score: 7.07817
Type of gen. func.: ogf

$$(2 f(x) - 1) (f(x) x^3 + 3 f(x) x^2 - 4 f(x) x - 2 x^2 + f(x) + 3 x - 1)$$

Sequence: A121450
Score: 6.07343
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-2 x^9 - x^8 + x^7 - x^6 - x^5 + x^3 - x^2 - x - 1}{x^{10} - x^8 + x^6 - x^4 + x^2 - 1}$$

Sequence: A121451
Score: 15.1654
Type of gen. func.: ogf

$$- \frac{x (5 x^3 + 2)}{2 x^2 - 1}$$

Sequence: A121451
Score: 17.3094
Type of gen. func.: lgdogf

$$\frac{x (10 x^3 - 15 x - 8)}{(2 x^2 - 1) (5 x^3 + 2)}$$

Sequence: A121451
Score: 6.43814
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 1), a(0) = 0, a(1) = 2, a(2) = 0, a(3) = 4, a(4) = 5}

Sequence: A121451
Score: 8.63852
Type of gen. func.: ogf

$$-(125 f(x) + 328) (5 x^4 + 2 f(x) x^2 - f(x) + 2 x)$$

Sequence: A121452
Score: 8.61833
Type of gen. func.: lgdegf]

$$(-n^2 - 7 n - 12) a(n + 1) + (n^2 + 7 n + 10) a(n + 3), a(0) = 1, a(1) = 0,$$
$$a(2) = 3/2$$

Sequence: A121453
Score: 10.5365
Type of gen. func.: ogf

$$\frac{3 (4 x^3 + x^2 + 2 x + 3)}{(x^2 + 1) (x - 1)^2}$$

Sequence: A121453
Score: 12.7932
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^5 + 3 x^4 + x^3 + 11 x^2 - x + 4)}{(x - 1) (x^2 + 1) (4 x^3 + x^2 + 2 x + 3)}$$

Sequence: A121453
Score: 4.04852
Type of gen. func.: ogf

$$\{(5 n + 17) a(n + 1) + (-5 n - 12) a(n + 2) + (5 n + 17) a(n + 3)$$
$$+ (-5 n - 12) a(n + 4), a(0) = 9, a(1) = 24, a(2) = 33, a(3) = 48\}$$

Sequence: A121453

Score: 5.74721
Type of gen. func.: ogf

$$(290 f(x) + 2283) ($$

$$f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - 12 x^3 - 2 f(x) x - 3 x^2 + f(x) - 6 x - 9)$$

Sequence: A121455
Score: 10.2230
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-4 x^5 - 4 x^4 + 2 x^3 - 2 x - 4}{x^6 - x^4 + x^2 - 1}$$

Sequence: A121456
Score: 8.75952
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{4 x^{11} + 2 x^{10} + 4 x^8 + 2 x^7 + 2 x^6 + 2 x^4 + 2 x^3 + 4 x^2 + 2}{-x^{12} + 1}$$

Sequence: A121458
Score: 10.0133
Type of gen. func.: lgdogf

$$- \frac{14 x^4 - 14 x^3 - 42 x^2 - 38 x - 1}{(x - 1) (2 x + 1) (7 x^3 + 21 x^2 - 1)}$$

Sequence: A121458
Score: 10.9202
Type of gen. func.: ogf

$$\frac{(2 x + 1) (x - 1)}{7 x^3 + 21 x^2 - 1}$$

Sequence: A121458
Score: 6.27099
Type of gen. func.: ogf

$$-(623 f(x) - 68) (7 f(x) x^3 + 21 f(x) x^2 - 2 x^2 - f(x) + x + 1)$$

Sequence: A121458
Score: 6.59759
Type of gen. func.: ogf

$$\{a(n + 3) - 21 a(n + 1) - 7 a(n), a(0) = 1, a(1) = 1, a(2) = 19\}$$

Sequence: A121470
Score: 11.6620
Type of gen. func.: ogf

$$-\frac{x^3 + 2 x^2 + 5 x + 1}{(x + 1) (x - 1)^3}$$

Sequence: A121470
Score: 14.0943
Type of gen. func.: lgdogf

$$-\frac{x^4 + 6 x^3 + 22 x^2 + 18 x + 7}{(x - 1) (x + 1) (x^3 + 2 x^2 + 5 x + 1)}$$

Sequence: A121470
Score: 6.28657
Type of gen. func.: ogf

$$-(228 f(x) - 1567)$$

$$(f(x) x^4 - 2 f(x) x^3 + x^3 + 2 f(x) x + 2 x^2 - f(x) + 5 x + 1)$$

Sequence: A121471
Score: 12.2959
Type of gen. func.: ogf

$$-\frac{2x^3+5x^2+x+1}{(x+1)(x-1)^3}$$

Sequence: A121471
Score: 14.1161
Type of gen. func.: lgdogf

$$-\frac{2x^4+14x^3+19x^2+16x+3}{(x-1)(x+1)(2x^3+5x^2+x+1)}$$

Sequence: A121471
Score: 6.73347
Type of gen. func.: ogf

$(6804 f(x) - 33611)$

$$(f(x)x^4-2f(x)x^3+2x^3+2f(x)x+5x^2-f(x)+x+1)$$

Sequence: A121482
Score: 7.19665
Type of gen. func.: lgdogf

$$-\frac{x(x-1)(x+1)(4x^6+6x^5-8x^4-3x^3+6x^2+x-2)}{(2x^2-1)(x^2+x-1)(x^6-4x^4-2x^3+4x^2+x-1)}$$

Sequence: A121482
Score: 7.69732
Type of gen. func.: ogf

$$-\frac{(2x^2-1)(x^2+x-1)}{x^6-4x^4-2x^3+4x^2+x-1}$$

Sequence: A121483
Score: 5.61410
Type of gen. func.: ogf

$$-\frac{(x-1)(3x^4-6x^3+3x-1)}{(x+1)(x^2+x-1)(x^2-3x+1)^2}$$

Sequence: A121483
Score: 5.90255
Type of gen. func.: lgdogf

$$-\frac{6x^9-21x^8+27x^7+9x^6-54x^5+33x^4+x^3+x^2-6x+2}{(x-1)(x+1)(x^2-3x+1)(x^2+x-1)(3x^4-6x^3+3x-1)}$$

Sequence: A121485
Score: 7.35724
Type of gen. func.: lgdogf

$$-\frac{4x^9-12x^7+4x^6+14x^5-8x^3-3x^2+2x+1}{(x-1)(x+1)(2x^2-1)(x^6-4x^4-2x^3+4x^2+x-1)}$$

Sequence: A121485
Score: 8.89236
Type of gen. func.: ogf

$$-\frac{(x-1)(x+1)(2x^2-1)}{x^6-4x^4-2x^3+4x^2+x-1}$$

Sequence: A121486
Score: 5.37600
Type of gen. func.: ogf

$$-\frac{x(x-1)(x^4-3x^3+3x^2+x-1)}{(x+1)(x^2+x-1)(x^2-3x+1)^2}$$

Sequence: A121486
Score: 5.66653
Type of gen. func.: lgdogf

$$-\frac{2x^9 - 10x^8 + 24x^7 - 11x^6 - 39x^5 + 44x^4 - x^3 - x^2 - 10x + 4}{(x - 1)(x + 1)(x^2 - 3x + 1)(x^2 + x - 1)(x^4 - 3x^3 + 3x^2 + x - 1)}$$

Sequence: A121496
Score: 13.1402
Type of gen. func.: ogf

$$\frac{x^4 - x^3 + x + 1}{(x + 1)(x^2 + 1)(x - 1)^2}$$

Sequence: A121496
Score: 13.4758
Type of gen. func.: lgdogf

$$-\frac{x^7 - x^6 + 4x^4 + 9x^3 - x^2 + 2x + 2}{(x - 1)(x + 1)(x^2 + 1)(x^4 - x^3 + x + 1)}$$

Sequence: A121498
Score: 2.56918
Type of gen. func.: ogf

$$\{(3364 n + 8410) a(n + 1) + (837 n + 3354) a(n + 2) + (-n - 4) a(n + 3),$$

$$a(0) = 1, a(1) = 840, a(2) = 706442\}$$

Sequence: A121498
Score: 4.11068
Type of gen. func.: ogf

$$707281 f(x)^2 x^3 - 1682 f(x)^2 x^2 + f(x)^2 x - 841 f(x) x + f(x) - 1$$

Sequence: A121498
Score: 6.80694
Type of gen. func.: revogf

$$-\frac{-1 - 841 x - 1682 x^2 + (710645 x^2 + 1682 x + 1)^{1/2}}{1414562 x^2}$$

Sequence: A121499
Score: 10.0377
Type of gen. func.: ogf

$$-841 f(x) x + f(x) - 1$$

Sequence: A121499
Score: 18.7662
Type of gen. func.: ogf

$$-\frac{1}{841 x - 1}$$

Sequence: A121499
Score: 24.8253
Type of gen. func.: revegf]

$$1/841 \ln(1 + 841 x)$$

Sequence: A121499
Score: 28.1354
Type of gen. func.: lgdogf

$$-\frac{841}{841 x - 1}$$

Sequence: A121499
Score: 7.99300
Type of gen. func.: ogf

{a(n + 1) - 841 a(n), a(0) = 1}

Sequence: A121509
Score: 12.0063
Type of gen. func.: ogf

$$-\frac{3x^3+5x^2+x+1}{(x+1)(x-1)^3}$$

Sequence: A121509
Score: 14.5170
Type of gen. func.: lgdogf

$$-\frac{(x^2+4x+1)(3x^2+4x+3)}{(x-1)(x+1)(3x^3+5x^2+x+1)}$$

Sequence: A121509
Score: 6.96166
Type of gen. func.: ogf

$$(f(x)-8)(f(x)x^4-2f(x)x^3+3x^3+2f(x)x+5x^2-f(x)+x+1)$$

Sequence: A121511
Score: 5.69021
Type of gen. func.: lgdogf

$$-\frac{21x^7-3x^6-15x^5-15x^4+55x^3-49x^2-21x-5}{(x-1)(x+1)(21x^4-12x^3-8x^2-4x-1)(x^2+1)}$$

Sequence: A121511
Score: 7.32885
Type of gen. func.: ogf

$$-\frac{21x^4-12x^3-8x^2-4x-1}{}$$

$$(x + 1) (x^2 + 1) (x - 1)^2$$

Sequence: A121512
Score: 11.9010
Type of gen. func.: ogf

$$-\frac{7 x^3 - 6 x^2 - 3 x - 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A121512
Score: 4.97679
Type of gen. func.: ogf

{(n + 7) a(n + 1) + a(n + 2) + a(n + 3) + (-n - 6) a(n + 4), a(0) = 1, a(1) = 4,

a(2) = 10, a(3) = 4}

Sequence: A121512
Score: 6.62236
Type of gen. func.: ogf

$$(551 f(x) + 8789) (f(x) x^4 - f(x) x^3 + 7 x^3 - f(x) x - 6 x^2 + f(x) - 3 x - 1)$$

Sequence: A121512
Score: 8.04758
Type of gen. func.: lgdogf

$$-\frac{7 x^5 - 5 x^4 - 8 x^3 + 8 x^2 - 16 x - 4}{(x - 1) (x^2 + x + 1) (7 x^3 - 6 x^2 - 3 x - 1)}$$

Sequence: A121515
Score: 10.2530
Type of gen. func.: ogf

$$-\frac{3 (23166 x^4 - 7758 x^3 + x - 1)}{(9 x - 1) (3 x - 1)}$$

Sequence: A121515
Score: 5.0553
Type of gen. func.: ogf

$$(7110520536610062 f(x) + 3161984934488788303)$$

$$(69498 x^{4} + 27 f(x) x^{2} - 23274 x^{3} - 12 f(x) x + f(x) + 3 x - 3)$$

Sequence: A121517
Score: 10.1775
Type of gen. func.: ogf

$$- \frac{x^{2} + 3 x - 1}{(x + 1) (x^{2} - 5 x + 1)}$$

Sequence: A121517
Score: 11.0597
Type of gen. func.: lgdogf

$$- \frac{x^{4} + 6 x^{3} - 11 x^{2} + 6 x + 1}{(x + 1) (x^{2} - 5 x + 1) (x^{2} + 3 x - 1)}$$

Sequence: A121517
Score: 5.30622
Type of gen. func.: ogf

$$-(59 f(x) - 26) (f(x) x^{3} - 4 f(x) x^{2} - 4 f(x) x + x^{2} + f(x) + 3 x - 1)$$

Sequence: A121517
Score: 5.54310
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 1, a(1) = 1, a(2) = 7\}$$

Sequence: A121523
Score: 5.79218
Type of gen. func.: lgdogf

$$-\frac{15 x^8 - 15 x^7 - 10 x^6 + 29 x^5 - 17 x^4 - 8 x^3 + 3 x^2 + 7 x - 3}{(x + 1) (x^2 - 3 x + 1) (x^2 + x - 1) (5 x^4 - 5 x^3 - x^2 + 3 x - 1)}$$

Sequence: A121523
Score: 5.80535
Type of gen. func.: ogf

$$\frac{5 x^4 - 5 x^3 - x^2 + 3 x - 1}{(x + 1) (x^2 + x - 1) (x^2 - 3 x + 1)^2}$$

Sequence: A121525
Score: 5.48732
Type of gen. func.: ogf

$$\frac{x (2 x^4 - 3 x^3 + 2 x^2 + x - 1)}{(x + 1) (x^2 + x - 1) (x^2 - 3 x + 1)^2}$$

Sequence: A121525
Score: 6.09684
Type of gen. func.: lgdogf

$$-\frac{6 x^8 - 10 x^7 + 8 x^6 + 14 x^5 - 34 x^4 + 11 x^2 + 7 x - 5}{(x + 1) (x^2 - 3 x + 1) (x^2 + x - 1) (2 x^4 - 3 x^3 + 2 x^2 + x - 1)}$$

Sequence: A121530
Score: 5.78218
Type of gen. func.: ogf

$$\frac{x (3 x^4 - 4 x^3 + x^2 + 2 x - 1)}{(x + 1) (x^2 + x - 1) (x^2 - 3 x + 1)^2}$$

Sequence: A121530
Score: 6.12529
Type of gen. func.: lgdogf

$$-\frac{9x^8-13x^7+2x^6+23x^5-28x^4-7x^3+7x^2+8x-4}{(x+1)(x^2-3x+1)(x^2+x-1)(3x^4-4x^3+x^2+2x-1)}$$

Sequence: A121532
Score: 5.84263
Type of gen. func.: ogf

$$\frac{x^2(x^4-2x^3+3x^2-1)}{(x+1)(x^2+x-1)(x^2-3x+1)^2}$$

Sequence: A121532
Score: 6.23625
Type of gen. func.: lgdogf

$$-\frac{3x^8-7x^7+14x^6+5x^5-40x^4+7x^3+15x^2+6x-6}{(x+1)(x^2-3x+1)(x^2+x-1)(x^4-2x^3+3x^2-1)}$$

Sequence: A121544
Score: 14.1444
Type of gen. func.: ogf

$$-\frac{6(x-1)}{(16x-1)(4x-1)}$$

Sequence: A121544
Score: 15.5529
Type of gen. func.: lgdogf

$$-\frac{64x^2-128x+19}{}$$

$$(x - 1) (4 x - 1) (16 x - 1)$$

Sequence: A121544
Score: 7.38651
Type of gen. func.: ogf

$$(42 f(x) + 109) (64 f(x) x^2 - 20 f(x) x + f(x) + 6 x - 6)$$

Sequence: A121544
Score: 7.73006
Type of gen. func.: ogf

$$\{-a(n + 2) + 20 a(n + 1) - 64 a(n), a(0) = 6, a(1) = 114\}$$

Sequence: A121545
Score: 25.1699
Type of gen. func.: revogf

$$- \frac{x (2 x - 1)^2}{(x - 1)^3}$$

Sequence: A121545
Score: 5.1223
Type of gen. func.: ogf

$$-x f(x)^3 - 4 f(x)^3 + 3 f(x)^2 x + 4 f(x)^2 - 3 f(x) x - f(x) + x$$

Sequence: A121555
Score: 3.30211
Type of gen. func.: ogf

$$\{(-n^3 - 7 n^2 - 16 n - 12) a(n + 1) + (2 n^2 + 9 n + 8) a(n + 2)$$
$$+ (-n - 1) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 7\}$$

Sequence: A121590

Score: 14.5108
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-12 x - 12}{-x^3 + 1}$$

Sequence: A121591
Score: 14.8806
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{6 x^3 + 6 x^2 + 6 x + 6}{x^5 - 1}$$

Sequence: A121596
Score: 16.5797
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-6 x - 6}{-x^3 + 1}$$

Sequence: A121607
Score: 15.0704
Type of gen. func.: lgdogf

$$-\frac{3 (18 x^2 + 15 x + 5)}{(3 x - 1) (9 x^2 + 3 x + 1)}$$

Sequence: A121607
Score: 3.53444
Type of gen. func.: ogf

$\{(-n - 4) a(n + 4) + 15 a(n + 3) + 45 a(n + 2) + (81 + 27 n) a(n + 1), a(0) = 6,$

$a(1) = 90, a(2) = 810, a(3) = 5508\}$

Sequence: A121607

Score: 4.45647
Type of gen. func.: ogf

$$(11 f(x) + 81) \left(81 f(x) x^4 - 108 f(x) x^3 + 54 f(x) x^2 - 12 f(x) x - 54 x^2 + f(x) - 18 x - 6\right)$$

Sequence: A121607
Score: 8.09201
Type of gen. func.: ogf

$$\frac{6 (9 x^2 + 3 x + 1)}{(3 x - 1)^4}$$

Sequence: A121613
Score: 13.3969
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4 x^3 + 4 x^2 + 4}{-x^4 + 1}$$

Sequence: A121621
Score: 13.9951
Type of gen. func.: ogf

$$-\frac{2 x - 1}{13 x^2 - 4 x + 1}$$

Sequence: A121621
Score: 16.0178
Type of gen. func.: lgdogf

$$-\frac{2 (13 x^2 - 13 x + 1)}{(2 x - 1) (13 x^2 - 4 x + 1)}$$

Sequence: A121621
Score: 7.39971
Type of gen. func.: ogf

$$(9 f(x) - 11) (13 f(x) x^2 - 4 f(x) x + f(x) + 2 x - 1)$$

Sequence: A121621
Score: 7.75634
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + 13 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A121622
Score: 13.8552
Type of gen. func.: ogf

$$- \frac{3 x - 1}{13 x^2 - 6 x + 1}$$

Sequence: A121622
Score: 16.9198
Type of gen. func.: lgdogf

$$- \frac{39 x^2 - 26 x + 3}{(3 x - 1) (13 x^2 - 6 x + 1)}$$

Sequence: A121622
Score: 7.32572
Type of gen. func.: ogf

$$(8 f(x) - 17) (13 f(x) x^2 - 6 f(x) x + f(x) + 3 x - 1)$$

Sequence: A121622
Score: 7.67877
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 13 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A121627
Score: 13.9769
Type of gen. func.: lgdegf]

$$-\frac{4 x (2 x^2 - 6 x + 3)}{(2 x^2 - 4 x + 1) (2 x^2 - 2 x + 1)}$$

Sequence: A121627
Score: 16.4855
Type of gen. func.: revegf]

$$-\frac{-1 - 2 x + (-4 x^2 - 4 x + 1)^{1/2}}{4 (x + 1)}$$

Sequence: A121627
Score: 4.68412
Type of gen. func.: egf]

$(5 f(x) + 23)$

$$(4 f(x) x^4 - 8 f(x) x^3 + 8 f(x) x^2 - 4 f(x) x - 2 x^2 + f(x) + 4 x - 1)$$

Sequence: A121627
Score: 8.82514
Type of gen. func.: egf]

$$\frac{2 x^2 - 4 x + 1}{(2 x^2 - 2 x + 1)^2}$$

Sequence: A121628
Score: 10.1772
Type of gen. func.: ogf

2

$$\frac{3\,x\,(x + 10\,x + 7)}{(x - 1)^{4}}$$

Sequence: A121628
Score: 21.1289
Type of gen. func.: lgdogf

$$-\frac{2\,(x^{2} + 16\,x + 19)}{(x - 1)\,(x^{2} + 10\,x + 7)}$$

Sequence: A121628
Score: 3.76005
Type of gen. func.: ogf

$$\{(21 + 7\,n)\,a(n + 4) + (-32 + 3\,n)\,a(n + 3) + (-41 - 9\,n)\,a(n + 2)$$

$$+ (-2 - n)\,a(n + 1),\ a(0) = 0,\ a(1) = 21,\ a(2) = 114,\ a(3) = 333\}$$

Sequence: A121628
Score: 5.45207
Type of gen. func.: ogf

$$(424\,f(x) + 7817)$$

$$(f(x)\,x^{4} - 4\,f(x)\,x^{3} + 6\,f(x)\,x^{2} - 3\,x^{3} - 4\,f(x)\,x - 30\,x^{2} + f(x) - 21\,x)$$

Sequence: A121629
Score: 11.2011
Type of gen. func.: lgdegf]

$$-\frac{2\,(1 - 2\,x)^{1/2} + 1}{(1 - 2\,x)^{1/2}\,(2\,x - 1)}$$

Sequence: A121630
Score: 7.42221
Type of gen. func.: lgdegf]

$(-9 n - 21) a(n + 1) + (6 n + 16) a(n + 2) + (-n - 3) a(n + 3), a(0) = 4,$

$a(1) = 13, a(2) = 41$

Sequence: A121631
Score: 7.63078
Type of gen. func.: lgdegf]

$(-16 n - 36) a(n + 1) + (8 n + 21) a(n + 2) + (-n - 3) a(n + 3), a(0) = 5,$

$a(1) = 21, a(2) = 173/2$

Sequence: A121635
Score: 11.2298
Type of gen. func.: egf]

$$- \frac{x^2 - x + 1}{(x - 1)^3}$$

Sequence: A121635
Score: 21.8379
Type of gen. func.: lgdegf]

$$- \frac{x^2 + 2}{(x - 1) (x^2 - x + 1)}$$

Sequence: A121638
Score: 4.49652
Type of gen. func.: ogf

$\{a(n + 1) + (n + 4) a(n + 3) - a(n + 4), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 7$

$\}$

Sequence: A121646
Score: 11.2059
Type of gen. func.: ogf

$$(x - 1)^2$$

$$- \frac{\quad}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A121646
Score: 20.2038
Type of gen. func.: lgdogf

$$- \frac{x (x^2 - 3 x + 6)}{(x - 1) (x + 1) (x^2 - 3 x + 1)}$$

Sequence: A121646
Score: 5.79289
Type of gen. func.: ogf

$$-(637 f(x) - 92) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + x^2 + f(x) - 2 x + 1)$$

Sequence: A121646
Score: 6.15822
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = -1, a(1) = 0, a(2) = -3\}$$

Sequence: A121666
Score: 13.5328
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-6 x^4 - 12 x^2 - 6}{x^6 - 1}$$

Sequence: A121667
Score: 12.9866
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-4 x^4 - 8 x^3 - 8 x - 4}{x^6 - 1}$$

Sequence: A121670
Score: 11.1311
Type of gen. func.: ogf

$$- \frac{2 x (x^{2} - 5 x + 1)}{(x - 1)^{4}}$$

Sequence: A121670
Score: 4.16012
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 4) + (11 + 6 n) a(n + 3) + (-19 - 6 n) a(n + 2)$$

$$+ (n + 2) a(n + 1), a(0) = 0, a(1) = -2, a(2) = 2, a(3) = 18\}$$

Sequence: A121670
Score: 5.88359
Type of gen. func.: ogf

$$-(21 f(x) + 94)$$

$$(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} + 2 x^{3} - 4 f(x) x - 10 x^{2} + f(x) + 2 x)$$

Sequence: A121671
Score: 10.8729
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^{4} - 13 x^{3} + 42 x^{2} - 173 x - 158)}{(x - 1) (4 x^{4} - 21 x^{3} + 49 x^{2} - 111 x - 41)}$$

Sequence: A121671
Score: 8.17970
Type of gen. func.: ogf

$$\frac{4 x^{4} - 61 x^{3} - 71 x^{2} + 9 x - 1}{{}^{5}}$$

$$(x - 1)$$

Sequence: A121672
Score: 6.43873
Type of gen. func.: ogf

$$-\frac{2 x (2 x^{4} + 7 x^{3} - 78 x^{2} + 7 x + 2)}{(x - 1)^{6}}$$

Sequence: A121672
Score: 8.58498
Type of gen. func.: lgdogf

$$\frac{2 (4 x^{4} + 29 x^{3} - 291 x^{2} - 121 x + 19)}{(x - 1) (5 x^{6} - 30 x^{5} + 71 x^{4} - 114 x^{3} + 231 x^{2} - 44 x + 1)}$$

Sequence: A121686
Score: 5.03599
Type of gen. func.: ogf

$$-4 f(x)^{2} x^{4} + f(x)^{2} x^{3} - 16 f(x) x^{3} + 28 f(x) x^{2} - 14 f(x) x - 16 x^{2} + 2 f(x)$$

$$+ 16 x - 4$$

Sequence: A121693
Score: 4.42652
Type of gen. func.: ogf

$$\{-a(n + 5) + 6 a(n + 4) - 11 a(n + 3) + 6 a(n + 2), a(0) = 0, a(1) = 0,$$

$$a(2) = 1, a(3) = 12, a(4) = 57\}$$

Sequence: A121693
Score: 5.73076
Type of gen. func.: ogf

$$f(x) (6 f(x) x^{3} - 4 x^{4} - 11 f(x) x^{2} + 6 x^{3} + 6 f(x) x + x^{2} - f(x))$$

Sequence: A121693
Score: 9.16923
Type of gen. func.: ogf

$$\frac{x^2 (4 x^2 - 6 x - 1)}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A121693
Score: 9.48253
Type of gen. func.: lgdogf

$$- \frac{6 (4 x^4 - 12 x^3 + 4 x^2 + 5 x - 2)}{(x - 1) (3 x - 1) (2 x - 1) (4 x^2 - 6 x - 1)}$$

Sequence: A121696
Score: 3.36331
Type of gen. func.: ogf

$$\{(-n^2 - 8 n - 15) a(n + 1) + (-n^2 - 8 n - 16) a(n + 2) + a(n + 4), a(0) = 0,$$

$$a(1) = 1, a(2) = 3, a(3) = 9\}$$

Sequence: A121720
Score: 13.2006
Type of gen. func.: ogf

$$- \frac{x (x^2 - x - 1)}{2 x^4 - 4 x^2 + 1}$$

Sequence: A121720
Score: 13.6966
Type of gen. func.: lgdogf

```
      5      4      3      2
   4 x  - 6 x  - 8 x  + 4 x  + 6 x + 1
 - ------------------------------------
        2              4      2
```

$$(x - x - 1) (2 x - 4 x + 1)$$

Sequence: A121720
Score: 7.89446
Type of gen. func.: ogf

$$-(12 f(x) + 7) (2 f(x) x^4 - 4 f(x) x^2 + x^3 - x^2 + f(x) - x)$$

Sequence: A121724
Score: 3.58953
Type of gen. func.: ogf

$$\{(-80 n - 160) a(n + 1) + (16 n + 32) a(n + 2) + (5 n + 25) a(n + 3)$$
$$+ (-n - 5) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 5, a(3) = 9\}$$

Sequence: A121724
Score: 33.9001
Type of gen. func.: revogf

$$\frac{x (x + 1)}{5 x^2 + 2 x + 1}$$

Sequence: A121724
Score: 9.41668
Type of gen. func.: ogf

$$5 f(x)^2 x^2 - f(x)^2 x + 2 f(x) x - f(x) + 1$$

Sequence: A121725
Score: 3.40946
Type of gen. func.: ogf

$$\{(-360 n - 720) a(n + 1) + (36 n + 72) a(n + 2) + (10 n + 50) a(n + 3)$$
$$+ (-n - 5) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 10, a(3) = 19\}$$

Sequence: A121725

Score: 31.3471

Type of gen. func.: revogf

$$\frac{x (x + 1)}{10 x^2 + 2 x + 1}$$

Sequence: A121725

Score: 9.00449

Type of gen. func.: ogf

$$10 f(x)^2 x^2 - f(x)^2 x + 2 f(x) x - f(x) + 1$$

Sequence: A121735

Score: 13.2473

Type of gen. func.: lgdegf]

$$\frac{2 (x^3 + 6 x^2 + 3 x - 1)}{(x^2 + x + 1) (3 x^4 + 6 x^3 + 8 x^2 + 2 x + 2)}$$

Sequence: A121735

Score: 4.77141

Type of gen. func.: egf]

$$-(f(x) - 7) (2 f(x) x^4 + 4 f(x) x^3 - 3 x^4 + 6 f(x) x^2 - 6 x^3 + 4 f(x) x - 8 x^2 + 2 f(x) - 2 x - 2)$$

Sequence: A121735

Score: 8.36399

Type of gen. func.: egf]

$$\frac{3 x^4 + 6 x^3 + 8 x^2 + 2 x + 2}{2 (x^2 + x + 1)^2}$$

Sequence: A121740

Score: 12.2925

Type of gen. func.: ogf

$$\frac{8 x}{x^2 - 66 x + 1}$$

Sequence: A121740
Score: 19.9651
Type of gen. func.: lgdogf

$$- \frac{2 (-33 + x)}{x^2 - 66 x + 1}$$

Sequence: A121740
Score: 5.69651
Type of gen. func.: ogf

$$\{a(n + 2) - 66 a(n + 1) + a(n), a(0) = 0, a(1) = 8\}$$

Sequence: A121740
Score: 7.78522
Type of gen. func.: ogf

$$-f(x) x^2 + 66 f(x) x - f(x) + 8 x$$

Sequence: A121740
Score: 9.00385
Type of gen. func.: revogf

$$- \frac{-4 - 33 x + 2 (17 x + 2)^{1/2} (8 x + 1)^{1/2} 2^{1/2}}{x}$$

Sequence: A121746
Score: 3.29140
Type of gen. func.: ogf

$$\{(n^2 + 9 n + 20) a(n + 1) + (n^2 + 9 n + 22) a(n + 2) - 4 a(n + 4) - 2 a(n + 3),$$

a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 3}

Sequence: A121780
Score: 4.64873
Type of gen. func.: ogf

$$-x\left(x^{9} - 19x^{8} + 120x^{7} - 177x^{6} + 386x^{5} - 605x^{4} + 489x^{3} - 214x^{2} + 54x - 8\right) \Big/ \left(x^{2} - 3x + 1\right)^{5}$$

Sequence: A121781
Score: 5.49457
Type of gen. func.: ogf

$$-\frac{2x\left(2x^{4} - 10x^{3} + 13x^{2} - 7x + 4\right)}{(2x - 1)^{5}}$$

Sequence: A121781
Score: 8.59884
Type of gen. func.: lgdogf

$$-\frac{4x^{4} - 32x^{3} + 48x^{2} - 30x + 33}{(2x - 1)\left(2x^{4} - 10x^{3} + 13x^{2} - 7x + 4\right)}$$

Sequence: A121782
Score: 19.5827
Type of gen. func.: lgdogf

$$-\frac{3\left(x^{2} + 8x + 11\right)}{(x - 1)(x + 4)(x + 1)}$$

Sequence: A121782
Score: 6.43561
Type of gen. func.: ogf

$$\frac{2 x (x + 4) (x + 1)^2}{(x - 1)^6}$$

Sequence: A121795
Score: 6.85826
Type of gen. func.: ogf

$$- \frac{(x^8 - 2 x^7 + 2 x^6 - 3 x^5 + 3 x^4 + 2 x^2 - x + 1) (x + 1)^2}{x^{12} + 6 x^6 - 1}$$

Sequence: A121798
Score: 3.71470
Type of gen. func.: ogf

$$\frac{x (281 x^6 - 1829 x^5 - 649 x^4 + 2259 x^3 + 494 x^2 - 296 x - 28)}{(x + 1) (3 x - 1) (x^2 - 2 x - 1) (2 x^4 - 16 x^3 + 5 x^2 + 4 x - 1)}$$

Sequence: A121800
Score: 4.59054
Type of gen. func.: ogf

$$\frac{x (30532 x^4 + 32660 x^3 - 14868 x^2 - 4058 x - 159)}{(14 x^2 - 8 x + 1) (2 x^2 - 1) (2 x^2 + 4 x + 1)}$$

Sequence: A121801
Score: 11.3331
Type of gen. func.: ogf

$$- \frac{2 x (x - 3)}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A121801
Score: 13.8282
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 11 x^2 + 12 x + 5}{(x - 3) (x + 1) (x^2 - 3 x + 1)}$$

Sequence: A121801
Score: 5.52123
Type of gen. func.: ogf

$$-(1667 f(x) + 1426) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + 2 x^2 + f(x) - 6 x)$$

Sequence: A121801
Score: 5.76772
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 0, a(1) = 6, a(2) = 10\}$$

Sequence: A121803
Score: 4.02284
Type of gen. func.: ogf

$$\frac{x (1130 x^5 - 2122 x^4 + 331 x^3 + 829 x^2 - 236 x - 28)}{(x - 1) (2 x + 1) (2 x - 1) (13 x^4 - 19 x^3 - 2 x^2 + 6 x - 1)}$$

Sequence: A121804
Score: 5.22892
Type of gen. func.: ogf

$$\frac{x (8094 x^4 + 45409 x^3 - 8931 x^2 - 3733 x - 159)}{(6 x - 1) (3 x - 1) (2 x - 1) (3 x + 1) (x + 1)}$$

Sequence: A121813
Score: 6.43855
Type of gen. func.: ogf

$$-(f(x)\,x - f(x) + x)^3$$

Sequence: A121816
Score: 11.5287
Type of gen. func.: ogf

$$\frac{x^6 - 8\,x^2 + x + 9}{(x + 1)\,(x - 1)^2}$$

Sequence: A121816
Score: 11.8016
Type of gen. func.: lgdogf

$$\frac{3\,x^7 - x^6 - 6\,x^5 + 8\,x^3 + 6\,x^2 - 12\,x - 10}{(x - 1)\,(x + 1)\,(x^6 - 8\,x^2 + x + 9)}$$

Sequence: A121822
Score: 4.5697
Type of gen. func.: ogf

$$-(16\,f(x) - 1)$$

$$(225\,f(x)\,x^3 - 259\,f(x)\,x^2 + 35\,f(x)\,x + 149\,x^2 - f(x) - 30\,x + 1)$$

Sequence: A121822
Score: 4.80205
Type of gen. func.: ogf

$$\{-a(n + 3) + 35\,a(n + 2) - 259\,a(n + 1) + 225\,a(n),\ a(0) = 1,\ a(1) = 5,\ a(2) = 65\}$$

Sequence: A121822
Score: 7.21181
Type of gen. func.: lgdogf

$$^{4} \qquad ^{3} \qquad ^{2}$$

$$-\frac{5\,(6705\,x - 2700\,x + 646\,x - 44\,x + 1)}{(x-1)\,(25\,x-1)\,(9\,x-1)\,(149\,x^{2} - 30\,x + 1)}$$

Sequence: A121822
Score: 8.21220
Type of gen. func.: ogf

$$-\frac{149\,x^{2} - 30\,x + 1}{(x-1)\,(25\,x-1)\,(9\,x-1)}$$

Sequence: A121826
Score: 5.43893
Type of gen. func.: revegf]

$$\frac{x\,(90\,x^{8} + 1904\,x^{3} + 412\,x^{2} + 2\,x - 11)}{11\,(90\,x^{8} + 1904\,x^{4} + 2316\,x^{3} + 414\,x^{2} - 9\,x - 11)}$$

Sequence: A121826
Score: 9.98341
Type of gen. func.: egf]

$$(121\,f(x)\,x^{2} - 22\,f(x)\,x + f(x) - 11)^{2}$$

Sequence: A121827
Score: 8.36954
Type of gen. func.: ogf

$$-\frac{x^{7} - 6\,x^{6} - 6\,x^{5} - 6\,x^{4} - 6\,x^{3} - 6\,x^{2} - 6\,x - 6}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)\,(x-1)^{2}}$$

Sequence: A121832
Score: 18.5425
Type of gen. func.: lgdogf

4   3   2

$$-\frac{(x + 1) (6 x - x + x - x + 1)}{x^6 + x^5 + x - 1}$$

Sequence: A121832
Score: 20.4551
Type of gen. func.: ogf

$$-\frac{1}{x^6 + x^5 + x - 1}$$

Sequence: A121833
Score: 17.5267
Type of gen. func.: ogf

$$-\frac{1}{(x + 1) (x^5 - x^4 + x^3 + x - 1)}$$

Sequence: A121833
Score: 19.4303
Type of gen. func.: lgdogf

$$-\frac{x (6 x^4 + 3 x + 2)}{(x + 1) (x^5 - x^4 + x^3 + x - 1)}$$

Sequence: A121873
Score: 15.4473
Type of gen. func.: revogf

$$-\frac{x (x^2 + x - 1)}{(x + 1)^2}$$

Sequence: A121873
Score: 7.35343
Type of gen. func.: ogf

$$f(x)^3 x^2 + f(x)^2 x^2 + f(x)^2 x + 2 f(x) x - f(x) + 1$$

Sequence: A121887
Score: 5.64356
Type of gen. func.: ogf

$$(2177213 x^5 - 10324925 x^4 + 19628654 x^3 - 18696356 x^2 + 8921273 x - 1705829) / (x - 1)^6$$

Sequence: A121888
Score: 5.35805
Type of gen. func.: ogf

$$- (1387493 x^6 - 7764198 x^5 + 18179331 x^4 - 22787908 x^3 + 16122821 x^2 - 6102720 x + 965201) / (x - 1)^7$$

Sequence: A121892
Score: 2.97534
Type of gen. func.: egf]

$$-(f(x) - 1) (2 f(x) x - 2 x^2 - f(x) + 1)$$

Sequence: A121892
Score: 5.44271
Type of gen. func.: egf]

$$\frac{2 x^2 - 1}{2 x - 1}$$

Sequence: A121892
Score: 6.45124
Type of gen. func.: lgdegf]

$$\frac{2 (2 x^2 - 2 x + 1)}{(2 x - 1) (2 x^2 - 1)}$$

Sequence: A121897
Score: 15.8172
Type of gen. func.: lgdegf]

$$1 - 3 f(x) + 3 f(x)^2 - f(x)^3$$

Sequence: A121907
Score: 14.3587
Type of gen. func.: ogf

$$- \frac{x^2 + x + 1}{2 x^2 + 2 x - 1}$$

Sequence: A121907
Score: 21.9865
Type of gen. func.: lgdogf

$$- \frac{3 (2 x + 1)}{(x^2 + x + 1) (2 x^2 + 2 x - 1)}$$

Sequence: A121907
Score: 7.46088
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A121907
Score: 8.09584
Type of gen. func.: ogf

$$(-5 + 11 f(x)) (2 f(x) x^2 + 2 f(x) x + x^2 - f(x) + x + 1)$$

Sequence: A121925
Score: 6.20799
Type of gen. func.: lgdogf

$$-(x^9+91x^8+184x^7+272x^6+367x^5+457x^4+362x^3+274x^2+181x+91)\Big/\left((x-1)(x^4+x^3+x^2+x+1)(x^5+45x^4+46x^3+45x^2+46x+45)\right)$$

Sequence: A121925
Score: 8.64236
Type of gen. func.: ogf

$$\frac{x(x^5+45x^4+46x^3+45x^2+46x+45)}{(x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A121929
Score: 6.61844
Type of gen. func.: lgdogf

$$-\frac{90x^8+183x^7+271x^6+366x^5+458x^4+363x^3+275x^2+182x+92}{(x-1)(x^4+x^3+x^2+x+1)(45x^4+46x^3+45x^2+46x+46)}$$

Sequence: A121929
Score: 9.44630
Type of gen. func.: ogf

$$\frac{x(45x^4+46x^3+45x^2+46x+46)}{(x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A121948
Score: 12.7984
Type of gen. func.: lgdogf

$$\frac{7 x^8 - 14 x^7 + 7 x^6 + 4 x^5 - 5 x^4 + 2 x^3 - 3 x^2 + 6}{(x - 1) (x^8 - x^7 + x^5 + x^3 + 2 x - 8)}$$

Sequence: A121948
Score: 14.3666
Type of gen. func.: ogf

$$\frac{x^8 - x^7 + x^5 + x^3 + 2 x - 8}{x - 1}$$

Sequence: A121953
Score: 5.26953
Type of gen. func.: ogf

$\{-a(n + 1) + (-n - 3) a(n + 2) + a(n + 4), a(0) = 0, a(1) = 1, a(2) = 1,$

$a(3) = 2\}$

Sequence: A121955
Score: 4.48829
Type of gen. func.: ogf

$(89057 f(x) + 120285)$

$(4 f(x) x^4 - 2 f(x) x^3 - 7 f(x) x^2 + 8 x^3 - f(x) x - 8 x^2 + f(x) - 9 x)$

Sequence: A121955
Score: 7.84602
Type of gen. func.: lgdogf

$$- \frac{64 x^5 - 112 x^4 - 112 x^3 + 118 x^2 + 110 x + 17}{(8 x^2 - 8 x - 9) (4 x^2 + 2 x - 1) (x^2 - x - 1)}$$

Sequence: A121955
Score: 8.73066
Type of gen. func.: ogf

$$-\frac{x\,(8\,x^2-8\,x-9)}{(4\,x^2+2\,x-1)\,(x^2-x-1)}$$

Sequence: A121956
Score: 4.52898
Type of gen. func.: ogf

$\{a(n+1)+(n+2)\,a(n+2)-a(n+4)+a(n+3),\ a(0)=0,\ a(1)=1,$

$a(2)=1,\ a(3)=2\}$

Sequence: A121957
Score: 5.05840
Type of gen. func.: lgdogf

$$-\frac{92\,x^7-1164\,x^6+3464\,x^5+1701\,x^4-2002\,x^3-615\,x^2+306\,x+75}{(23\,x^3-148\,x^2-11\,x+43)\,(2\,x^5-12\,x^4-7\,x^3+7\,x^2+2\,x-1)}$$

Sequence: A121957
Score: 6.48992
Type of gen. func.: ogf

$$-\frac{x\,(23\,x^3-148\,x^2-11\,x+43)}{2\,x^5-12\,x^4-7\,x^3+7\,x^2+2\,x-1}$$

Sequence: A121958
Score: 3.61546
Type of gen. func.: ogf

$\{a(n+1)+(n^2+5\,n+5)\,a(n+2)-a(n+3),\ a(0)=0,\ a(1)=1,\ a(2)=1\}$

Sequence: A121960
Score: 6.45439
Type of gen. func.: ogf

$$-\frac{116 x^4 + 71 x^3 - 49 x^2 - 30 x - 1}{(2 x + 1) (4 x^2 + 2 x - 1) (2 x^2 - 1)}$$

Sequence: A121961
Score: 10.4919
Type of gen. func.: ogf

$$-\frac{1}{(4 x^2 + 2 x - 1) (2 x + 1) (2 x^2 - 1)^2}$$

Sequence: A121961
Score: 12.9899
Type of gen. func.: lgdogf

$$-\frac{8 x (14 x^3 + 12 x^2 - 3 x - 3)}{(2 x + 1) (4 x^2 + 2 x - 1) (2 x^2 - 1)}$$

Sequence: A121963
Score: 6.11170
Type of gen. func.: lgdogf

$$-\frac{2 x^9 - 9 x^8 + 28 x^7 - 16 x^6 + 6 x^5 + 182 x^4 + 108 x^3 + 69 x^2 + 14 x + 2}{(x^4 - 3 x^3 + 7 x^2 + 2 x + 1) (x^6 + 26 x^3 - 1)}$$

Sequence: A121963
Score: 8.19735
Type of gen. func.: ogf

$$-\frac{x (x^4 - 3 x^3 + 7 x^2 + 2 x + 1)}{x^6 + 26 x^3 - 1}$$

Sequence: A121965
Score: 6.11163

Type of gen. func.: ogf

$$\{-a(n + 1) + (n + 2) a(n + 2) - a(n + 3), a(0) = 0, a(1) = 1, a(2) = 1\}$$

Sequence: A121966
Score: 3.70916
Type of gen. func.: ogf

$$\{(n^2 + 4 n + 4) a(n + 1) + (n^2 + 6 n + 10) a(n + 2) - 2 a(n + 3) + (n + 4) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 1, a(3) = -3\}$$

Sequence: A121968
Score: 10.2829
Type of gen. func.: ogf

$$-\frac{2 x^3 - 4 x^2 + 2 x - 1}{(x - 1)^4}$$

Sequence: A121968
Score: 18.0595
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - x^2 - x - 1)}{(x - 1) (2 x^3 - 4 x^2 + 2 x - 1)}$$

Sequence: A121968
Score: 4.18934
Type of gen. func.: ogf

$$\{(29 n^2 + 187 n + 258) a(n + 1) + (-64 n^2 - 356 n - 408) a(n + 2) + (35 n^2 + 151 n + 138) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A121968
Score: 5.65561
Type of gen. func.: ogf

$(41 f(x) + 507)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 2 x^3 - 4 f(x) x - 4 x^2 + f(x) + 2 x - 1)$$

Sequence: A121986
Score: 7.35226
Type of gen. func.: lgdogf

$$-\frac{(x^2 - x + 1) (x^5 - 4 x^4 - 7 x^3 + 7 x^2 - 2 x + 1)}{(x - 1) (x^3 + x^2 + x - 1) (x^4 - 3 x^3 + 2 x - 1)}$$

Sequence: A121986
Score: 7.62613
Type of gen. func.: ogf

$$\frac{x^4 - 3 x^3 + 2 x - 1}{(x^3 + x^2 + x - 1) (x - 1)^2}$$

Sequence: A121988
Score: 39.8212
Type of gen. func.: revogf

$$-x (x - 1) (x^2 - x + 1)$$

Sequence: A121988
Score: 4.40337
Type of gen. func.: ogf

$$\{(64 n^2 - 4) a(n) + (-28 n^2 - 42 n - 14) a(n + 1) + (3 n^2 + 9 n + 6) a(n + 2),$$

$$a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A121990
Score: 10.5755
Type of gen. func.: lgdogf

$$-\frac{2x^4+18x^3-41x^2-4x+13}{(x-1)(x^2-3x+1)(2x^2+9x+1)}$$

Sequence: A121990
Score: 10.7891
Type of gen. func.: ogf

$$-\frac{2x^2+9x+1}{(x^2-3x+1)(x-1)}$$

Sequence: A121990
Score: 5.39455
Type of gen. func.: ogf

$(717911 f(x) - 1825895)$

$$(f(x)x^3-4f(x)x^2+4f(x)x+2x^2-f(x)+9x+1)$$

Sequence: A121990
Score: 5.77312
Type of gen. func.: ogf

$$\{a(n+3)-4a(n+2)+4a(n+1)-a(n),\ a(0)=1,\ a(1)=13,\ a(2)=50\}$$

Sequence: A121991
Score: 4.59669
Type of gen. func.: ogf

$(18078384 f(x) - 18977065)$

$$(f(x)x^4-4f(x)x^2+2x^3+4f(x)x+9x^2-f(x)+x)$$

Sequence: A121991
Score: 9.12268
Type of gen. func.: ogf

^{2}

$$-\frac{x\,(2\,x + 9\,x + 1)}{(x^2 + 2\,x - 1)\,(x - 1)^2}$$

Sequence: A121991
Score: 9.40645
Type of gen. func.: lgdogf

$$-\frac{4\,x^4 + 31\,x^3 + 35\,x^2 - 9\,x - 13}{(x - 1)\,(2\,x^2 + 9\,x + 1)\,(x^2 + 2\,x - 1)}$$

Sequence: A121996
Score: 8.43343
Type of gen. func.: ogf

$$-\frac{x\,(x^{11} + 2\,x^{10} - 2\,x^8 + x^5 - 2\,x^4 - 2\,x^2 - x - 1)}{(x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A122006
Score: 13.3511
Type of gen. func.: ogf

$$-\frac{x\,(x - 1)}{(3\,x - 1)\,(3\,x^2 - 1)}$$

Sequence: A122006
Score: 13.3894
Type of gen. func.: lgdogf

$$-\frac{2\,(9\,x^3 - 15\,x^2 + 3\,x + 1)}{(x - 1)\,(3\,x - 1)\,(3\,x^2 - 1)}$$

Sequence: A122006
Score: 6.85594
Type of gen. func.: ogf

$$-(2 f(x) + 1) (9 f(x) x^3 - 3 f(x) x^2 - 3 f(x) x + x^2 + f(x) - x)$$

Sequence: A122006
Score: 6.85595
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + 3 a(n + 1) - 9 a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A122007
Score: 13.1834
Type of gen. func.: lgdogf

$$-\frac{36 x^3 - 33 x^2 + 6 x + 1}{(3 x - 1) (2 x - 1) (3 x^2 - 1)}$$

Sequence: A122007
Score: 13.4101
Type of gen. func.: ogf

$$-\frac{2 x (2 x - 1)}{(3 x - 1) (3 x^2 - 1)}$$

Sequence: A122007
Score: 6.88628
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 3 a(n + 1) + 9 a(n), a(0) = 0, a(1) = 2, a(2) = 2\}$$

Sequence: A122007
Score: 7.1437
Type of gen. func.: ogf

$$(f(x) + 2) (9 f(x) x^3 - 3 f(x) x^2 - 3 f(x) x + 4 x^2 + f(x) - 2 x)$$

Sequence: A122008
Score: 10.7115
Type of gen. func.: lgdogf

$$-\frac{2x(9x^3-27x^2+21x-5)}{(x-1)(3x-1)(2x-1)(3x^2-1)}$$

Sequence: A122008
Score: 12.4756
Type of gen. func.: ogf

$$\frac{(2x-1)(x-1)}{(3x-1)(3x^2-1)}$$

Sequence: A122008
Score: 6.67552
Type of gen. func.: ogf

$$(102 f(x) + 23) (9 f(x) x^3 - 3 f(x) x^2 - 3 f(x) x - 2 x^2 + f(x) + 3 x - 1)$$

Sequence: A122008
Score: 6.85595
Type of gen. func.: ogf

$$\{-a(n+3) + 3 a(n+2) + 3 a(n+1) - 9 a(n), a(0) = 1, a(1) = 0, a(2) = 5\}$$

Sequence: A122009
Score: 5.01849
Type of gen. func.: ogf

$$(459 f(x) - 46) (2 f(x) x^3 - 15 f(x) x^2 + 12 f(x) x + 6 x^2 - f(x) - 11 x + 1)$$

Sequence: A122009
Score: 5.15055
Type of gen. func.: ogf

$$\{-a(n+3) + 12 a(n+2) - 15 a(n+1) + 2 a(n), a(0) = 1, a(1) = 1, a(2) = 3\}$$

Sequence: A122009
Score: 8.58478
Type of gen. func.: lgdogf

$$-\frac{12x^4 - 44x^3 + 99x^2 - 18x + 1}{(6x^2 - 11x + 1)(2x^3 - 15x^2 + 12x - 1)}$$

Sequence: A122009
Score: 9.17442
Type of gen. func.: ogf

$$-\frac{6x^2 - 11x + 1}{2x^3 - 15x^2 + 12x - 1}$$

Sequence: A122010
Score: 4.82054
Type of gen. func.: ogf

$$-(7 f(x) + 1)(2 f(x) x^3 - 15 f(x) x^2 + 12 f(x) x - 5 x^2 - f(x) + x)$$

Sequence: A122010
Score: 4.82054
Type of gen. func.: ogf

$$\{a(n + 3) - 12 a(n + 2) + 15 a(n + 1) - 2 a(n), a(0) = 0, a(1) = 1, a(2) = 7\}$$

Sequence: A122010
Score: 9.23256
Type of gen. func.: ogf

$$\frac{x(5x - 1)}{2x^3 - 15x^2 + 12x - 1}$$

Sequence: A122010
Score: 9.92385
Type of gen. func.: lgdogf

$$-\frac{20 x^{3} - 81 x^{2} + 30 x - 7}{(5 x - 1) (2 x^{3} - 15 x^{2} + 12 x - 1)}$$

Sequence: A122011
Score: 11.1889
Type of gen. func.: lgdogf

$$-\frac{4 x^{3} - 9 x^{2} - 30 x + 13}{(x + 1) (2 x^{3} - 15 x^{2} + 12 x - 1)}$$

Sequence: A122011
Score: 4.98489
Type of gen. func.: ogf

$$\{a(n + 3) - 12 a(n + 2) + 15 a(n + 1) - 2 a(n), a(0) = 0, a(1) = 1, a(2) = 13\}$$

Sequence: A122011
Score: 5.16615
Type of gen. func.: ogf

$$(13 f(x) + 1) (2 f(x) x^{3} - 15 f(x) x^{2} + 12 f(x) x + x^{2} - f(x) + x)$$

Sequence: A122011
Score: 9.63181
Type of gen. func.: ogf

$$-\frac{x (x + 1)}{2 x^{3} - 15 x^{2} + 12 x - 1}$$

Sequence: A122012
Score: 10.6204
Type of gen. func.: lgdogf

$$-\frac{4x^5-9x^4-12x^3+9x^2+14x+3}{(2x^2-3x-3)(x^2+x-1)(x^2-x-1)}$$

Sequence: A122012
Score: 12.0167
Type of gen. func.: ogf

$$-\frac{x(2x^2-3x-3)}{(x^2+x-1)(x^2-x-1)}$$

Sequence: A122012
Score: 6.98111
Type of gen. func.: ogf

$$-(183 f(x)+391)(f(x)x^4-3f(x)x^2+2x^3-3x^2+f(x)-3x)$$

Sequence: A122013
Score: 5.72729
Type of gen. func.: ogf

$$-\frac{5x^7-20x^6-2x^5+54x^4+7x^3-20x^2-8x-1}{(x^4-x^3-3x^2+x+1)(x^4+x^3-3x^2-x+1)}$$

Sequence: A122014
Score: 5.64022
Type of gen. func.: ogf

$$-\frac{8x^7-33x^6-30x^5+88x^4+35x^3-33x^2-11x-1}{(x^4-x^3-3x^2+x+1)(x^4+x^3-3x^2-x+1)}$$

Sequence: A122015
Score: 4.65342

Type of gen. func.: ogf

$$-\frac{21 x^7 + 65 x^6 + 77 x^5 + 39 x^4 - 17 x^3 - 38 x^2 - 11 x - 1}{(x + 1) (x^3 + x^2 - 1) (x^4 + 2 x^3 + x^2 + x - 1)}$$

Sequence: A122021
Score: 4.84485
Type of gen. func.: ogf

{(-n - 3) a(n + 1) - a(n + 4) + a(n + 2), a(0) = 0, a(1) = 1, a(2) = 2,

a(3) = 1}

Sequence: A122023
Score: 7.07820
Type of gen. func.: ogf

$$-\frac{x (80 x^5 + 28 x^4 - x^3 + x^2 + 3 x + 1)}{(3 x^2 - 1) (8 x^4 - 7 x^2 + 1)}$$

Sequence: A122033
Score: 8.23960
Type of gen. func.: ogf

{2 a(n) n + a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 2}

Sequence: A122038
Score: 4.32415
Type of gen. func.: ogf

{a(n + 3) - 39 a(n + 2) + 351 a(n + 1) - 729 a(n), a(0) = 36, a(1) = 864,

a(2) = 21060}

Sequence: A122038
Score: 4.46828
Type of gen. func.: ogf

(18388 f(x) + 146637)

$$(729 f(x) x^3 - 351 f(x) x^2 + 39 f(x) x - f(x) - 540 x + 36)$$

Sequence: A122038
Score: 7.96003
Type of gen. func.: lgdogf

$$- \frac{6 (3645 x^3 - 1242 x^2 + 117 x - 4)}{(15 x - 1) (3 x - 1) (9 x - 1) (-1 + 27 x)}$$

Sequence: A122038
Score: 8.79007
Type of gen. func.: ogf

$$\frac{36 (15 x - 1)}{(3 x - 1) (-1 + 27 x) (9 x - 1)}$$

Sequence: A122039
Score: 12.0491
Type of gen. func.: ogf

$$\frac{2 x^2 - 1}{(2 x - 1) (x - 1)^2}$$

Sequence: A122039
Score: 14.6318
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^3 + 2 x^2 - 5 x + 2)}{(x - 1) (2 x - 1) (2 x^2 - 1)}$$

Sequence: A122039
Score: 6.02454
Type of gen. func.: ogf

$$3 \qquad 2 \qquad 2$$

$$-(47 f(x) + 394) (2 f(x) x - 5 f(x) x + 4 f(x) x - 2 x - f(x) + 1)$$

Sequence: A122039
Score: 6.13212
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 4, a(2) = 9\}$$

Sequence: A122041
Score: 10.4882
Type of gen. func.: revegf]

$$1/2 \ln(x + 12) - \operatorname{arctanh}((44 x + 529)^{1/2}) - 1/2 \ln(12) + \operatorname{arctanh}(23)$$

Sequence: A122041
Score: 13.8960
Type of gen. func.: ogf

$$-\frac{24 x - 23}{(2 x - 1) (x - 1)}$$

Sequence: A122041
Score: 15.2329
Type of gen. func.: lgdogf

$$-\frac{48 x^2 - 92 x + 45}{(x - 1) (24 x - 23) (2 x - 1)}$$

Sequence: A122041
Score: 6.87486
Type of gen. func.: ogf

$$-(43 f(x) + 1036) (2 f(x) x^2 - 3 f(x) x + f(x) + 24 x - 23)$$

Sequence: A122041
Score: 7.77513
Type of gen. func.: ogf

{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 23, a(1) = 45}

Sequence: A122044
Score: 7.88513
Type of gen. func.: ogf

{a(n) n + a(n + 3) - a(n + 1), a(0) = 0, a(1) = 1, a(2) = 2}

Sequence: A122046
Score: 12.1309
Type of gen. func.: ogf

$$\frac{x^3}{(x + 1)\ (x^2 + 1)\ (x - 1)^4}$$

Sequence: A122046
Score: 20.9896
Type of gen. func.: lgdogf

-a(n + 4) + a(n), a(0) = 3, a(1) = 3, a(2) = 3, a(3) = 7

Sequence: A122046
Score: 35.2562
Type of gen. func.: ogf_with_Euler_transform]

$$[x^3 + 3]$$

Sequence: A122047
Score: 12.9419
Type of gen. func.: lgdogf

$$- \frac{8\ x^4 + 3\ x^3 + 3\ x^2 + 3\ x + 3}{(x - 1)\ (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A122047
Score: 26.0275
Type of gen. func.: ogf_with_Euler_transform]

$$[x^4 + 3]$$

Sequence: A122047
Score: 8.96801
Type of gen. func.: ogf

$$\frac{x^2}{(x^4 + x^3 + x^2 + x + 1)\,(x - 1)^4}$$

Sequence: A122048
Score: 5.98952
Type of gen. func.: ogf

{a(n + 1) + (-2 - n) a(n + 2) + a(n + 4), a(0) = 0, a(1) = 1, a(2) = 2,

a(3) = 1}

Sequence: A122056
Score: 14.4211
Type of gen. func.: ogf_with_Euler_transform]

$$[x^7 + 3]$$

Sequence: A122056
Score: 4.85337
Type of gen. func.: ogf

$$\frac{x^2}{(x + 1)\,(x^2 + 1)\,(x^4 + 1)\,(x - 1)^4}$$

Sequence: A122057
Score: 4.39932
Type of gen. func.: ogf

$$\{(-n^2 - 8 n - 16) a(n + 1) + (2 n + 9) a(n + 2) - a(n + 3), a(0) = 0, a(1) = -2, a(2) = -14\}$$

Sequence: A122058
Score: 4.08896
Type of gen. func.: ogf

$$-(31269217 f(x) - 11300682) (12 f(x) x^4 - f(x) x^3 - 11 f(x) x^2 - 6 x^3 - f(x) x - 6 x^2 + f(x) - 4 x - 1)$$

Sequence: A122058
Score: 6.91488
Type of gen. func.: lgdogf

$$-\frac{72 x^6 + 144 x^5 + 204 x^4 + 52 x^3 - 59 x^2 - 34 x - 5}{(x - 1) (6 x^3 + 6 x^2 + 4 x + 1) (12 x^3 + 11 x^2 - 1)}$$

Sequence: A122058
Score: 8.12615
Type of gen. func.: ogf

$$\frac{6 x^3 + 6 x^2 + 4 x + 1}{(x - 1) (12 x^3 + 11 x^2 - 1)}$$

Sequence: A122061
Score: 5.76137
Type of gen. func.: ogf

$$-(4 x^{10} + 10 x^9 + 15 x^8 + 56 x^7 + 58 x^6 + 48 x^5 + 32 x^4 + 40 x^3 + 18 x^2 + 6 x + 1) / ((x^2 + 1)^3 (x - 1)^3 (x + 1)^3)$$

Sequence: A122065
Score: 5.81907
Type of gen. func.: ogf

$$(45 x^{12} + 61 x^{11} + 54 x^{10} + 141 x^9 + 74024 x^8 - 89 x^7 - 58 x^6 - 37 x^5 - 61 x^4 - 65 x^3 - 74 x^2 - 183 x - 74169) / ((x - 1) (x + 1) (x^2 + 1) (x^4 + 1))$$

Sequence: A122068
Score: 5.25187
Type of gen. func.: ogf

$$-(49 f(x) + 16) (7 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x + 3 x^2 - f(x) - 4 x + 1)$$

Sequence: A122068
Score: 5.43614
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) - 14 a(n + 1) + 7 a(n), a(0) = 1, a(1) = 3, a(2) = 10\}$$

Sequence: A122068
Score: 9.19708
Type of gen. func.: lgdogf

$$-\frac{21 x^4 - 56 x^3 + 56 x^2 - 22 x + 3}{(x - 1) (3 x - 1) (7 x^3 - 14 x^2 + 7 x - 1)}$$

Sequence: A122068
Score: 9.99548
Type of gen. func.: ogf

$$-\frac{(3 x - 1) (x - 1)}{7 x^3 - 14 x^2 + 7 x - 1}$$

Sequence: A122069
Score: 16.1421
Type of gen. func.: revogf

$$\frac{-3 x - 1 + (45 x^2 + 6 x + 1)^{1/2}}{18 x}$$

Sequence: A122069
Score: 17.9842
Type of gen. func.: ogf

$$- \frac{1}{9 x^2 + 3 x - 1}$$

Sequence: A122069
Score: 24.2131
Type of gen. func.: lgdogf

$$- \frac{3 (1 + 6 x)}{9 x^2 + 3 x - 1}$$

Sequence: A122069
Score: 7.23756
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) + 9 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A122069
Score: 7.32692
Type of gen. func.: ogf

$$(5 f(x) - 4) (9 f(x) x^2 + 3 f(x) x - f(x) + 1)$$

Sequence: A122074
Score: 12.8886
Type of gen. func.: revogf

$$- \frac{-1 - 7 x + (41 x^2 + 10 x + 1)^{1/2}}{2 (2 x + 1)}$$

Sequence: A122074
Score: 15.5239
Type of gen. func.: ogf

$$-\frac{x-1}{2x^2-7x+1}$$

Sequence: A122074
Score: 16.3003
Type of gen. func.: lgdogf

$$-\frac{2(x^2-2x+3)}{(x-1)(2x^2-7x+1)}$$

Sequence: A122074
Score: 7.59321
Type of gen. func.: ogf

$$-(191 f(x) - 29) (2 f(x) x^2 - 7 f(x) x + f(x) + x - 1)$$

Sequence: A122074
Score: 8.51921
Type of gen. func.: ogf

{a(n + 2) - 7 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 6}

Sequence: A122088
Score: 15.3395
Type of gen. func.: ogf

$$-\frac{6x^2-10x-1}{(x+1)(x-1)^2}$$

Sequence: A122088
Score: 19.4644
Type of gen. func.: lgdogf

$$-\frac{6x^3 - 14x^2 - x - 11}{(x-1)(x+1)(6x^2 - 10x - 1)}$$

Sequence: A122088
Score: 8.12865
Type of gen. func.: ogf

$$(815 f(x) + 9433) (f(x) x^3 - f(x) x^2 - f(x) x + 6 x^2 + f(x) - 10 x - 1)$$

Sequence: A122088
Score: 8.41638
Type of gen. func.: ogf

{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 11, a(2) = 6}

Sequence: A122089
Score: 5.76705
Type of gen. func.: ogf

$$-(2x^{15} - 4x^{13} - 4x^{11} - x^{10} - 4x^9 - 2x^8 - 4x^7 - 2x^6 - 4x^5 - 2x^4 - 2x^3 - 2x^2 - 1) \Big/ ((x+1)(x^4 + x^3 + x^2 + x + 1)(x^4 - x^3 + x^2 - x + 1)(x-1)^2)$$

Sequence: A122099
Score: 15.3016
Type of gen. func.: ogf

$$-\frac{(x+1)(3x+1)}{x^3 - 3x - 1}$$

Sequence: A122099
Score: 16.0209
Type of gen. func.: lgdogf

$$-\frac{3x^4+8x^3+12x^2+6x+1}{(3x+1)(x+1)(x^3-3x-1)}$$

Sequence: A122099
Score: 8.72024
Type of gen. func.: ogf

$$(f(x)-1)(f(x)x^3-3f(x)x+3x^2-f(x)+4x+1)$$

Sequence: A122099
Score: 8.72025
Type of gen. func.: ogf

$$\{a(n+3)+3a(n+2)-a(n), a(0)=1, a(1)=1, a(2)=0\}$$

Sequence: A122100
Score: 14.2543
Type of gen. func.: ogf

$$\frac{(3x-1)(x-1)}{x^3-3x+1}$$

Sequence: A122100
Score: 15.9389
Type of gen. func.: lgdogf

$$-\frac{3x^4-8x^3+12x^2-6x+1}{(x-1)(3x-1)(x^3-3x+1)}$$

Sequence: A122100
Score: 8.12341
Type of gen. func.: ogf

$$(f(x) - 1) (f(x) x^3 - 3 f(x) x - 3 x^2 + f(x) + 4 x - 1)$$

Sequence: A122100
Score: 8.12342
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + a(n), a(0) = 1, a(1) = -1, a(2) = 0\}$$

Sequence: A122109
Score: 10.0552
Type of gen. func.: lgdogf

$$- \frac{2 (6 x^4 - 8 x^3 + 3 x^2 + 6 x + 1)}{(x - 1) (3 x + 1) (4 x^3 - 9 x^2 + 1)}$$

Sequence: A122109
Score: 10.2887
Type of gen. func.: ogf

$$- \frac{(3 x + 1) (x - 1)}{4 x^3 - 9 x^2 + 1}$$

Sequence: A122109
Score: 6.23891
Type of gen. func.: ogf

$$\{-a(n + 3) + 9 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A122109
Score: 9.44332
Type of gen. func.: ogf

$$f(x) (4 f(x) x^3 - 9 f(x) x^2 + 3 x^2 + f(x) - 2 x - 1)$$

Sequence: A122112
Score: 14.6617
Type of gen. func.: ogf

$$\frac{x - 1}{4 x^{2} - x - 1}$$

Sequence: A122112
Score: 18.2394
Type of gen. func.: revogf

$$\frac{x - 1 + (17 x^{2} - 6 x + 1)^{1/2}}{2 (4 x - 1)}$$

Sequence: A122112
Score: 20.3852
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^{2} - 4 x + 1)}{(x - 1) (4 x^{2} - x - 1)}$$

Sequence: A122112
Score: 7.33085
Type of gen. func.: ogf

$$-(13 f(x) - 9) (4 f(x) x^{2} - f(x) x - f(x) - x + 1)$$

Sequence: A122112
Score: 8.04605
Type of gen. func.: ogf

$$\{a(n + 2) + a(n + 1) - 4 a(n), a(0) = 1, a(1) = -2\}$$

Sequence: A122115
Score: 10.0167
Type of gen. func.: lgdogf

$$-\frac{8x^8+14x^7+7x^6+8x^5-34x^4+22x^3+7x^2+10x-1}{(8x^4+7x^3+5x^2+2x-3)(x^5+x^3+x-1)}$$

Sequence: A122115
Score: 12.4559
Type of gen. func.: ogf

$$-\frac{8x^4+7x^3+5x^2+2x-3}{x^5+x^3+x-1}$$

Sequence: A122117
Score: 14.2659
Type of gen. func.: ogf

$$\frac{x-1}{(4x-1)(x+1)}$$

Sequence: A122117
Score: 15.3477
Type of gen. func.: revogf

$$\frac{-3x-1+(25x^2+2x+1)^{1/2}}{2(4x-1)}$$

Sequence: A122117
Score: 16.5593
Type of gen. func.: lgdogf

$$-\frac{2(2x^2-4x-1)}{(x-1)(4x-1)(x+1)}$$

Sequence: A122117
Score: 7.37893
Type of gen. func.: ogf

$$(29 f(x) - 25) (4 f(x) x^2 + 3 f(x) x - f(x) - x + 1)$$

Sequence: A122117
Score: 7.82885
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A122120
Score: 12.8546
Type of gen. func.: ogf

$$\frac{x - 1}{9 x^2 + 4 x - 1}$$

Sequence: A122120
Score: 13.4829
Type of gen. func.: revogf

$$\frac{-1 - 4 x + (52 x^2 + 4 x + 1)^{1/2}}{2 (9 x - 1)}$$

Sequence: A122120
Score: 15.3049
Type of gen. func.: lgdogf

$$- \frac{3 (3 x^2 - 6 x - 1)}{(x - 1) (9 x^2 + 4 x - 1)}$$

Sequence: A122120
Score: 6.64896
Type of gen. func.: ogf

$$(58 f(x) - 49) (9 f(x) x^2 + 4 f(x) x - f(x) - x + 1)$$

Sequence: A122120
Score: 7.05438
Type of gen. func.: ogf

$$\{-a(n + 2) + 4\ a(n + 1) + 9\ a(n),\ a(0) = 1,\ a(1) = 3\}$$

Sequence: A122124
Score: 7.88256
Type of gen. func.: lgdogf

$$-\frac{x^9 + 7 x^8 + 2 x^7 + 14 x^6 - 7 x^5 + 27 x^4 - 4 x^3 + 16 x^2 - x + 5}{(x - 1) (x^2 + x + 1) (x^2 - x + 1) (x^5 + 3 x^4 + x^3 + 3 x^2 - x + 3)}$$

Sequence: A122124
Score: 7.88817
Type of gen. func.: ogf

$$\frac{x^5 + 3 x^4 + x^3 + 3 x^2 - x + 3}{(x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A122133
Score: 5.61690
Type of gen. func.: ogf

$$\frac{x^9 + 2 x^8 + 5 x^7 + 2 x^6 + 4 x^5 + 2 x^4 + x^3 - x^2 + x + 1}{(x^2 + 1)^2 (x - 1)^4 (x + 1)^4}$$

Sequence: A122161
Score: 12.4310
Type of gen. func.: ogf

$$\frac{x^2 - 3 x + 1}{x^3 - 2 x^2 - x + 1}$$

Sequence: A122161
Score: 16.4195
Type of gen. func.: lgdogf

$$-\frac{x^4 - 6 x^3 + 10 x^2 - 6 x + 2}{(x^2 - 3 x + 1) (x^3 - 2 x^2 - x + 1)}$$

Sequence: A122161
Score: 6.77047
Type of gen. func.: ogf

$$(13 f(x) - 6) (f(x) x^3 - 2 f(x) x^2 - f(x) x - x^2 + f(x) + 3 x - 1)$$

Sequence: A122161
Score: 6.77047
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = -2, a(2) = 1\}$$

Sequence: A122164
Score: 8.14110
Type of gen. func.: lgdogf

$$\frac{3 x^{10} + 9 x^8 + 6 x^7 + 18 x^6 + 6 x^5 + 20 x^4 + 12 x^3 + 3 x^2 + 4 x + 1}{(3 x^5 - 1) (x^6 - x^5 - 3 x^4 - x^3 - 2 x^2 - x - 1)}$$

Sequence: A122164
Score: 9.62212
Type of gen. func.: ogf

$$\frac{x (x^6 - x^5 - 3 x^4 - x^3 - 2 x^2 - x - 1)}{3 x^5 - 1}$$

Sequence: A122167
Score: 10.2043
Type of gen. func.: ogf

$$\frac{x^3 - 6 x^2 + 5 x - 1}{(2 x - 1) (x^3 - 3 x^2 + 1)}$$

Sequence: A122167
Score: 10.3234
Type of gen. func.: lgdogf

$$- \frac{2 x^6 - 24 x^5 + 69 x^4 - 82 x^3 + 51 x^2 - 18 x + 3}{(2 x - 1) (x^3 - 3 x^2 + 1) (x^3 - 6 x^2 + 5 x - 1)}$$

Sequence: A122167
Score: 5.57257
Type of gen. func.: ogf

$$(301 f(x) - 621)$$

$$(2 f(x) x^4 - 7 f(x) x^3 + 3 f(x) x^2 - x^3 + 2 f(x) x + 6 x^2 - f(x) - 5 x + 1)$$

Sequence: A122169
Score: 5.46501
Type of gen. func.: ogf

$$\frac{4 x^7 - 28 x^6 - 14 x^5 - 7 x^4 - 8 x^3 - 4 x^2 - 2 x - 1}{(x + 1) (x^2 + 1) (8 x^4 - 1)}$$

Sequence: A122173
Score: 6.53386
Type of gen. func.: ogf

$$- \frac{x^5 + x^4 - 15 x^3 + 19 x^2 - 8 x + 1}{x^6 - 12 x^5 + 34 x^4 - 30 x^3 + 6 x^2 + 3 x - 1}$$

Sequence: A122174
Score: 7.64460
Type of gen. func.: lgdogf

$$-\frac{6x^7-48x^6+150x^5-233x^4+196x^3-96x^2+28x-4}{(3x^3-9x^2+6x-1)(x^5-7x^4+13x^3-5x^2-2x+1)}$$

Sequence: A122174
Score: 8.89849
Type of gen. func.: ogf

$$-\frac{3x^3-9x^2+6x-1}{x^5-7x^4+13x^3-5x^2-2x+1}$$

Sequence: A122186
Score: 3.56213
Type of gen. func.: ogf

$(15165369 f(x) - 988219)$

$$(f(x)\,x^4+4 f(x)\,x^3-21 f(x)\,x^2+x^3-23 f(x)\,x+4x^2+f(x)-7x-1)$$

Sequence: A122186
Score: 6.80863
Type of gen. func.: ogf

$$-\frac{x^3+4x^2-7x-1}{(x+1)(x^3+3x^2-24x+1)}$$

Sequence: A122187
Score: 4.80897
Type of gen. func.: ogf

$\{a(n + 3) - 11 a(n + 2) - 4 a(n + 1) + a(n), a(0) = 1, a(1) = 14, a(2) = 157\}$

Sequence: A122187
Score: 4.80898
Type of gen. func.: ogf

$$(1193 f(x) - 20) (f(x) x^3 - 4 f(x) x^2 - 11 f(x) x + x^2 + f(x) - 3 x - 1)$$

Sequence: A122187
Score: 8.99744
Type of gen. func.: ogf

$$- \frac{x^2 - 3 x - 1}{x^3 - 4 x^2 - 11 x + 1}$$

Sequence: A122187
Score: 9.58386
Type of gen. func.: lgdogf

$$- \frac{x^4 - 6 x^3 + 20 x^2 + 6 x + 14}{(x^2 - 3 x - 1) (x^3 - 4 x^2 - 11 x + 1)}$$

Sequence: A122189
Score: 11.3139
Type of gen. func.: lgdogf

$$- \frac{7 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1}{x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A122189
Score: 9.89636
Type of gen. func.: ogf

$$- \frac{x^6}{x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A122190
Score: 5.83019
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^8+x^7+x^6+2x^3+2x^2+x+1}{-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1}$$

Sequence: A122192
Score: 6.28355
Type of gen. func.: ogf

$$\frac{6\,(253x^4+1288x^3+506x^2+1)}{x^6+759x^4+2576x^3+759x^2+1}$$

Sequence: A122194
Score: 8.64531
Type of gen. func.: ogf

$$-\frac{3x^4-x^3+2x^2-2x-3}{(x-1)\,(x^4+x^2-1)}$$

Sequence: A122194
Score: 8.76333
Type of gen. func.: lgdogf

$$-\frac{3x^8-2x^7+4x^6-6x^5+x^4-6x^3-2x^2+2x+5}{(x-1)\,(x^4+x^2-1)\,(3x^4-x^3+2x^2-2x-3)}$$

Sequence: A122195
Score: 6.67009
Type of gen. func.: ogf

$$-\frac{3x^9+5x^8-x^6+2x^5+4x^4-x^3-2x^2-3x-8}{}$$

$$(x - 1) (x^8 + x^4 - 1)$$

Sequence: A122219
Score: 10.2195
Type of gen. func.: ogf

$$- \frac{5 x^8 + 4 x^7 + 5 x^6 + 4 x^5 + 3 x^4 + 4 x^3 + 5 x^2 + 4 x + 5}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A122229
Score: 4.40855
Type of gen. func.: ogf

$\{a(n + 4) - 4 a(n + 3) - a(n + 2) + 4 a(n + 1), a(0) = 0, a(1) = 2, a(2) = 12, a(3) = 56\}$

Sequence: A122229
Score: 4.92721
Type of gen. func.: ogf

$$(993 f(x) + 143) (4 f(x) x^3 - f(x) x^2 - 6 x^3 - 4 f(x) x - 4 x^2 + f(x) - 2 x)$$

Sequence: A122229
Score: 9.02057
Type of gen. func.: ogf

$$\frac{2 x (3 x^2 + 2 x + 1)}{(x - 1) (4 x - 1) (x + 1)}$$

Sequence: A122230
Score: 3.06369
Type of gen. func.: ogf

$\{a(n + 4) - 100 a(n + 3) - a(n + 2) + 100 a(n + 1), a(0) = 0, a(1) = 10, a(2) = 1100, a(3) = 111000\}$

Sequence: A122230
Score: 3.17389
Type of gen. func.: ogf

$$(232859209 f(x) + 10881199)$$

$$(100 f(x) x^3 - f(x) x^2 - 990 x^3 - 100 f(x) x - 100 x^2 + f(x) - 10 x)$$

Sequence: A122230
Score: 5.96177
Type of gen. func.: ogf

$$\frac{10 x (99 x^2 + 10 x + 1)}{(x - 1) (100 x - 1) (x + 1)}$$

Sequence: A122265
Score: 7.35432
Type of gen. func.: ogf

$$- \frac{x^9}{x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A122265
Score: 7.68709
Type of gen. func.: lgdogf

$$- \frac{10 x^9 + 9 x^8 + 8 x^7 + 7 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1}{x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A122274
Score: 11.3656
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-4 x^4 - 3 x^3 - 3 x^2 - 3 x - 3}{x^5 - 1}$$

Sequence: A122275
Score: 8.32832
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4x^4 - x^3 - x^2 - x - 1}{x^5 - 1}$$

Sequence: A122299
Score: 11.6919
Type of gen. func.: ogf

$$-\frac{x(x - 1)}{x^3 - 3x^2 - 2x + 1}$$

Sequence: A122299
Score: 14.9192
Type of gen. func.: lgdogf

$$-\frac{2x^3 - 6x^2 + 6x + 1}{(x - 1)(x^3 - 3x^2 - 2x + 1)}$$

Sequence: A122299
Score: 6.00396
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 1\}$$

Sequence: A122299
Score: 7.24741
Type of gen. func.: ogf

$$(f(x) + 1)(f(x) x^3 - 3 f(x) x^2 - 2 f(x) x + x^2 + f(x) - x)$$

Sequence: A122365
Score: 13.5283
Type of gen. func.: ogf

$$-\frac{x(x-1)}{x^3-4x^2-2x+1}$$

Sequence: A122365
Score: 14.7564
Type of gen. func.: lgdogf

$$-\frac{2x^3-7x^2+8x+1}{(x-1)(x^3-4x^2-2x+1)}$$

Sequence: A122365
Score: 6.94695
Type of gen. func.: ogf

$$\{a(n+3)-2a(n+2)-4a(n+1)+a(n),\ a(0)=0,\ a(1)=1,\ a(2)=1\}$$

Sequence: A122365
Score: 7.20664
Type of gen. func.: ogf

$$(f(x)+1)(f(x)x^3-4f(x)x^2-2f(x)x+x^2+f(x)-x)$$

Sequence: A122367
Score: 16.7464
Type of gen. func.: revogf

$$-\frac{-1-3x+(5x^2+2x+1)^{1/2}}{2(x+1)}$$

Sequence: A122367
Score: 17.0816
Type of gen. func.: ogf

$$-\frac{x-1}{x^2-3x+1}$$

Sequence: A122367
Score: 21.7704
Type of gen. func.: lgdogf

$$-\frac{x^2-2x+2}{(x-1)(x^2-3x+1)}$$

Sequence: A122367
Score: 8.54078
Type of gen. func.: ogf

$$-(21 f(x) - 5) (f(x) x^2 - 3 f(x) x + f(x) + x - 1)$$

Sequence: A122367
Score: 9.37404
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A122368
Score: 10.3677
Type of gen. func.: ogf

$$-\frac{(2x-1)(x-1)}{3x^3-9x^2+6x-1}$$

Sequence: A122368
Score: 5.49941
Type of gen. func.: ogf

$$-(9 f(x) - 4) (3 f(x) x^3 - 9 f(x) x^2 + 6 f(x) x + 2 x^2 - f(x) - 3 x + 1)$$

Sequence: A122368
Score: 5.59674
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 9 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 3, a(2) = 11\}$$

Sequence: A122368
Score: 9.83682
Type of gen. func.: lgdogf

$$- \frac{6 x^4 - 18 x^3 + 24 x^2 - 14 x + 3}{(x - 1) (2 x - 1) (3 x^3 - 9 x^2 + 6 x - 1)}$$

Sequence: A122369
Score: 5.01913
Type of gen. func.: ogf

$$(217 f(x) + 76) (11 f(x) x^4 - 37 f(x) x^3 + 32 f(x) x^2 + 6 x^3 - 10 f(x) x - 11 x^2 + f(x) + 6 x - 1)$$

Sequence: A122369
Score: 5.84543
Type of gen. func.: lgdogf

$$- \frac{66 x^6 - 242 x^5 + 413 x^4 - 368 x^3 + 175 x^2 - 42 x + 4}{(x - 1) (3 x - 1) (2 x - 1) (11 x^4 - 37 x^3 + 32 x^2 - 10 x + 1)}$$

Sequence: A122369
Score: 7.35065
Type of gen. func.: ogf

$$- \frac{(x - 1) (3 x - 1) (2 x - 1)}{11 x^4 - 37 x^3 + 32 x^2 - 10 x + 1}$$

Sequence: A122370
Score: 5.18491
Type of gen. func.: ogf

$$-\frac{(x-1)(3x-1)(2x-1)(4x-1)}{53x^5-189x^4+192x^3-81x^2+15x-1}$$

Sequence: A122371
Score: 4.42446
Type of gen. func.: ogf

$$-\frac{(x-1)(4x-1)(3x-1)(2x-1)(5x-1)}{309x^6-1157x^5+1314x^4-669x^3+170x^2-21x+1}$$

Sequence: A122372
Score: 3.89254
Type of gen. func.: ogf

$$-\frac{(x-1)(6x-1)(4x-1)(3x-1)(2x-1)(5x-1)}{2119x^7-8249x^6+10190x^5-5925x^4+1845x^3-316x^2+28x-1}$$

Sequence: A122391
Score: 10.7812
Type of gen. func.: ogf

$$-\frac{(x+1)(x-1)^2}{2x-1}$$

Sequence: A122391
Score: 17.9934
Type of gen. func.: lgdogf

$$\frac{4x^2-x+1}{(x-1)(2x-1)(x+1)}$$

Sequence: A122391
Score: 5.95210
Type of gen. func.: ogf

$$\{a(n+4) - 2 a(n+3), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 3\}$$

Sequence: A122391
Score: 6.56783
Type of gen. func.: ogf

$$-(f(x) - 1) (x^3 + 2 f(x) x - x^2 - f(x) - x + 1)$$

Sequence: A122392
Score: 11.4786
Type of gen. func.: lgdogf

$$\frac{15 x^4 + 12 x^3 + 5 x^2 + 2 x + 2}{(x - 1) (3 x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A122392
Score: 9.83975
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + x + 1) (x - 1)^3}{3 x - 1}$$

Sequence: A122393
Score: 7.80780
Type of gen. func.: lgdogf

$$\frac{36 x^6 + 30 x^5 + 41 x^4 + 18 x^3 + 12 x^2 + 4 x + 3}{(x - 1) (4 x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A122393
Score: 8.27108
Type of gen. func.: ogf

$$-\frac{(x^2+x+1)\,(x^2+1)\,(x+1)^2\,(x-1)^4}{4x-1}$$

Sequence: A122407
Score: 12.9918
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{6x^3-3x^2+2x+3}{-x^4+x^3-x+1}$$

Sequence: A122434
Score: 19.9161
Type of gen. func.: ogf_with_Euler_transform]

$$x^2-3x+2$$

Sequence: A122434
Score: 29.2706
Type of gen. func.: lgdogf

$$\frac{x^2+2}{(x+1)\,(x^2+x+1)}$$

Sequence: A122434
Score: 4.42146
Type of gen. func.: ogf

$$\{-a(n+4)-a(n+3)-a(n+2),\ a(0)=1,\ a(1)=2,\ a(2)=0,\ a(3)=-1\}$$

Sequence: A122434
Score: 6.32436
Type of gen. func.: ogf

$$-f(x)\,x^2+x^3-f(x)\,x+3x^2-f(x)+3x+1$$

Sequence: A122434
Score: 8.19057
Type of gen. func.: ogf

$$\frac{(x + 1)^3}{x^2 + x + 1}$$

Sequence: A122439
Score: 18.0981
Type of gen. func.: lgdogf

$$- \frac{2 (8 x^3 - x - 1)}{(2 x - 1) (2 x^3 + x^2 - 1)}$$

Sequence: A122439
Score: 18.4693
Type of gen. func.: ogf

$$\frac{1}{(2 x - 1) (2 x^3 + x^2 - 1)}$$

Sequence: A122439
Score: 6.6346
Type of gen. func.: ogf

$$-(5 f(x) - 8) (4 f(x) x^4 - f(x) x^2 - 2 f(x) x + f(x) - 1)$$

Sequence: A122441
Score: 3.37201
Type of gen. func.: ogf

$$\{(8 n^2 + 4 n) a(n) + (-7 n^2 + 46 n + 48) a(n + 1)$$

$$+ (-49 n^2 - 164 n - 132) a(n + 2) + (-6 n^2 - 30 n - 36) a(n + 3), a(0) = 1,$$

a(1) = -1, a(2) = 1}

Sequence: A122441
Score: 8.11110
Type of gen. func.: lgdogf

$$-\frac{1 + 8x + ((8x+1)(2+x)^2)^{1/2}}{(x-1)(x-3)(8x+1)}$$

Sequence: A122441
Score: 9.32779
Type of gen. func.: ogf

$$-f(x)^2 x + 3 f(x)^2 + 4 f(x) x - 7 f(x) - 4 x + 4$$

Sequence: A122446
Score: 14.0200
Type of gen. func.: revogf

$$-\frac{-1 - 2x^2 + (4x^4 + 8x^3 - 4x^2 + 1)^{1/2}}{4x}$$

Sequence: A122446
Score: 8.36072
Type of gen. func.: ogf

$$-2 f(x)^2 x^2 - f(x)^2 x + 2 f(x) x^2 + f(x) - 1$$

Sequence: A122447
Score: 10.3226
Type of gen. func.: revogf

$$-\frac{-1 + 6x - 3x^2 + (9x^4 - 4x^3 + 2x^2 - 4x + 1)^{1/2}}{4(x-1)}$$

Sequence: A122447
Score: 6.14513
Type of gen. func.: ogf

$$-3 f(x)^{2} x^{2} - 4 f(x)^{2} x + 2 f(x) x^{2} + 6 f(x) x + f(x) - 2 x - 1$$

Sequence: A122448
Score: 5.34363
Type of gen. func.: ogf

$$3 f(x)^{2} x^{3} + 4 f(x)^{2} x^{2} - 2 f(x) x^{3} - 2 f(x) x^{2} + f(x) x - f(x) + 1$$

Sequence: A122452
Score: 3.93075
Type of gen. func.: ogf

$$-6 f(x)^{2} x^{4} + f(x)^{2} x^{3} + 2 f(x) x^{4} + 12 f(x)^{2} x^{2} - 9 f(x) x^{2} - x^{3} + f(x) x + 2 x^{2} - 2 f(x) + x + 2$$

Sequence: A122461
Score: 19.9214
Type of gen. func.: ogf

$$\frac{2 x^{4}}{(x + 1) (x^{2} + 1) (x - 1)^{2}}$$

Sequence: A122461
Score: 21.3443
Type of gen. func.: lgdogf

$$-a(n + 4) + a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 5$$

Sequence: A122461
Score: 35.7488
Type of gen. func.: ogf_with_Euler_transform]

$$[x^3 + 1]$$

Sequence: A122471
Score: 11.4938
Type of gen. func.: lgdogf

$$-\frac{7 x^3 - 35 x^2 + 22 x - 6}{(x - 1) (7 x - 1) (x^2 - 3 x + 1)}$$

Sequence: A122471
Score: 4.75356
Type of gen. func.: ogf

$$-(3291 f(x) + 832) (7 f(x) x^3 - 15 f(x) x^2 + 9 f(x) x + x^2 - f(x) - 3 x + 1)$$

Sequence: A122471
Score: 5.04544
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 15 a(n + 1) - 7 a(n), a(0) = 1, a(1) = 6, a(2) = 40\}$$

Sequence: A122471
Score: 9.27710
Type of gen. func.: ogf

$$-\frac{x^2 - 3 x + 1}{(7 x - 1) (x - 1)^2}$$

Sequence: A122491
Score: 10.4107
Type of gen. func.: ogf

$$\frac{x^3 (x - 2)}{(x - 1) (x^2 + x - 1)^2}$$

Sequence: A122491
Score: 19.4637
Type of gen. func.: lgdogf

$$-\frac{4 x^{3} - 11 x^{2} + x + 5}{(x - 2) (x - 1) (x^{2} + x - 1)}$$

Sequence: A122491
Score: 3.69412
Type of gen. func.: ogf

$$\{(n^{2} + 5 n + 6) a(n + 1) + (-n - 3) a(n + 2) + (-2 n^{2} - 7 n - 5) a(n + 3)$$
$$+ (n^{2} + 3 n + 2) a(n + 4), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 2\}$$

Sequence: A122501
Score: 3.98444
Type of gen. func.: ogf

$$-(52495124610 f(x) - 461464224949)$$
$$(38 f(x) x^{4} + 54 f(x) x^{3} + 22 f(x) x^{2} + 47 x^{3} + 25 x^{2} - f(x) + 5 x + 1)$$

Sequence: A122501
Score: 5.93371
Type of gen. func.: lgdogf

$$-\frac{1786 x^{6} + 1900 x^{5} + 886 x^{4} + 692 x^{3} + 413 x^{2} + 94 x + 5}{(47 x^{3} + 25 x^{2} + 5 x + 1) (38 x^{4} + 54 x^{3} + 22 x^{2} - 1)}$$

Sequence: A122501
Score: 7.61129
Type of gen. func.: ogf

$$47 x^{3} + 25 x^{2} + 5 x + 1$$

$$-\frac{}{38 x^4 + 54 x^3 + 22 x^2 - 1}$$

Sequence: A122502
Score: 11.9778
Type of gen. func.: ogf

$$-\frac{x}{38 x^4 + 54 x^3 + 22 x^2 - 1}$$

Sequence: A122502
Score: 4.56296
Type of gen. func.: ogf

$$\{a(n + 4) - 22 a(n + 2) - 54 a(n + 1) - 38 a(n), a(0) = 0, a(1) = 1, a(2) = 0, a(3) = 22\}$$

Sequence: A122502
Score: 5.08791
Type of gen. func.: ogf

$$(3234546 f(x) + 638609) (38 f(x) x^4 + 54 f(x) x^3 + 22 f(x) x^2 - f(x) + x)$$

Sequence: A122503
Score: 4.79112
Type of gen. func.: ogf

$$-f(x) (38 f(x) x^4 + 54 f(x) x^3 + 22 f(x) x^2 - 75 x^3 - 21 x^2 - f(x) + x + 1)$$

Sequence: A122503
Score: 5.92178
Type of gen. func.: lgdogf

$$-\frac{2850 x^6 + 1596 x^5 - 630 x^4 - 260 x^3 + 41 x^2 - 2 x - 1}{(38 x^4 + 54 x^3 + 22 x^2 - 1) (75 x^3 + 21 x^2 - x - 1)}$$

Sequence: A122503
Score: 7.37094
Type of gen. func.: ogf

$$\frac{75 x^3 + 21 x^2 - x - 1}{38 x^4 + 54 x^3 + 22 x^2 - 1}$$

Sequence: A122504
Score: 7.81473
Type of gen. func.: ogf

$$\frac{(3 x^2 + x - 1) (x^2 + x - 1)}{(x^3 - x^2 - 2 x + 1) (x^3 - 2 x^2 - x + 1)}$$

Sequence: A122504
Score: 7.84082
Type of gen. func.: lgdogf

$$- \frac{6 x^9 + 3 x^8 - 36 x^7 - 8 x^6 + 42 x^5 + x^4 - 20 x^3 + 2 x^2 + 4 x - 1}{(x^2 + x - 1) (x^3 - x^2 - 2 x + 1) (x^3 - 2 x^2 - x + 1) (3 x^2 + x - 1)}$$

Sequence: A122508
Score: 21.3656
Type of gen. func.: lgdogf

$$- \frac{2 x (1 + 9 x)}{(2 x - 1) (3 x^2 + 2 x + 1)}$$

Sequence: A122508
Score: 22.3336
Type of gen. func.: ogf

$$- \frac{1}{(2 x - 1) (3 x^2 + 2 x + 1)}$$

Sequence: A122508
Score: 7.92483
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 1) - 6 a(n), a(0) = 1, a(1) = 0, a(2) = 1\}$$

Sequence: A122508
Score: 8.47137
Type of gen. func.: ogf

$$(1153 f(x) - 1152) (6 f(x) x^3 + f(x) x^2 - f(x) + 1)$$

Sequence: A122509
Score: 15.7883
Type of gen. func.: ogf

$$- \frac{x}{(3 x - 1) (7 x^2 + 3 x + 1)}$$

Sequence: A122509
Score: 19.8922
Type of gen. func.: lgdogf

$$- \frac{x (4 + 63 x)}{(3 x - 1) (7 x^2 + 3 x + 1)}$$

Sequence: A122509
Score: 7.13019
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 1) + 21 a(n), a(0) = 0, a(1) = 1, a(2) = 0\}$$

Sequence: A122509
Score: 8.96093
Type of gen. func.: ogf

$$f(x)\,(21\,f(x)\,x^3 + 2\,f(x)\,x^2 - f(x) + x)$$

Sequence: A122512
Score: 18.0529
Type of gen. func.: ogf

$$\frac{1}{x^4 - 2\,x^3 - x^2 + 1}$$

Sequence: A122512
Score: 21.7481
Type of gen. func.: lgdogf

$$-\frac{2\,x\,(2\,x^2 - 3\,x - 1)}{x^4 - 2\,x^3 - x^2 + 1}$$

Sequence: A122512
Score: 8.04338
Type of gen. func.: ogf

$$(91\,f(x) + 11)\,(f(x)\,x^4 - 2\,f(x)\,x^3 - f(x)\,x^2 + f(x) - 1)$$

Sequence: A122513
Score: 7.74367
Type of gen. func.: ogf

$$\frac{x\,(5\,x^3 + 9\,x^2 - 45\,x - 1)}{(x - 1)\,(x^2 - 10\,x + 1)\,(x^2 + 10\,x + 1)}$$

Sequence: A122514
Score: 17.2179
Type of gen. func.: ogf

$$\frac{x}{}$$

$$x^4 - x^3 - 2 x^2 + 1$$

Sequence: A122514
Score: 21.9224
Type of gen. func.: lgdogf

$$- \frac{x (4 x^2 - 3 x - 4)}{x^4 - x^3 - 2 x^2 + 1}$$

Sequence: A122514
Score: 6.35088
Type of gen. func.: ogf

{a(n + 4) - 2 a(n + 2) - a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 0,

a(3) = 2}

Sequence: A122514
Score: 7.5224
Type of gen. func.: ogf

$$-(f(x) - 3) (f(x) x^4 - f(x) x^3 - 2 f(x) x^2 + f(x) - x)$$

Sequence: A122517
Score: 16.3436
Type of gen. func.: ogf

$$\frac{1}{x^5 - 2 x^4 - x^3 + 1}$$

Sequence: A122517
Score: 22.3854
Type of gen. func.: lgdogf

$$- \frac{x^2 (5 x^2 - 8 x - 3)}{x^5 - 2 x^4 - x^3 + 1}$$

Sequence: A122518
Score: 20.0372
Type of gen. func.: ogf

$$\frac{1}{x^5 - x^4 - 2 x^3 + 1}$$

Sequence: A122518
Score: 24.5588
Type of gen. func.: lgdogf

$$- \frac{x^2 (5 x^2 - 4 x - 6)}{x^5 - x^4 - 2 x^3 + 1}$$

Sequence: A122519
Score: 10.6305
Type of gen. func.: lgdogf

$$- \frac{x^8 - 4 x^6 - 6 x^5 - 9 x^4 - 2 x^3 - 3 x^2 - 2 x - 1}{(x + 1) (x^2 + 1) (x^3 - x^2 - 1) (x^3 + x^2 - 1)}$$

Sequence: A122519
Score: 12.0109
Type of gen. func.: ogf

$$\frac{(x + 1) (x^3 - x^2 - 1)}{(x^2 + 1) (x^3 + x^2 - 1)}$$

Sequence: A122519
Score: 9.03915
Type of gen. func.: ogf

$$f(x) x^5 + f(x) x^4 + f(x) x^3 - x^4 + x^2 - f(x) + x + 1$$

Sequence: A122520
Score: 3.91202
Type of gen. func.: ogf

$$(f(x) + 1) \left(f(x) x^5 - f(x) x^3 + 4 x^4 - f(x) x^2 + 4 x^3 - f(x) x + 3 x^2 - f(x) + 2 x + 1\right)$$

Sequence: A122520
Score: 6.48052
Type of gen. func.: lgdogf

$$- \frac{4 x^8 + 8 x^7 + 13 x^6 + 16 x^5 + 18 x^4 + 20 x^3 + 10 x^2 + 4 x + 1}{(x^5 - x^3 - x^2 - x - 1) (4 x^4 + 4 x^3 + 3 x^2 + 2 x + 1)}$$

Sequence: A122520
Score: 6.67345
Type of gen. func.: ogf

$$- \frac{4 x^4 + 4 x^3 + 3 x^2 + 2 x + 1}{x^5 - x^3 - x^2 - x - 1}$$

Sequence: A122521
Score: 11.2461
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^2 + x + 1) (x^2 - x + 1)}{x^8 + x^6 - 1}$$

Sequence: A122521
Score: 7.63952
Type of gen. func.: lgdogf

$$- (3 x^{12} + 4 x^{11} + 6 x^{10} + 8 x^9 + 10 x^8 + 12 x^7 + 5 x^6 + 6 x^5 + 5 x^4 + 4 x^3$$

$$+ 3 x^2 + 2 x + 1) \Big/ ((x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^8 + x^6 - 1))$$

Sequence: A122522
Score: 17.9404
Type of gen. func.: ogf

$$- \frac{x + 1}{x^8 + x^2 - 1}$$

Sequence: A122522
Score: 20.5374
Type of gen. func.: lgdogf

$$- \frac{7 x^8 + 8 x^7 + x^2 + 2 x + 1}{(x + 1) (x^8 + x^2 - 1)}$$

Sequence: A122551
Score: 4.97444
Type of gen. func.: ogf

$$\{(8 n^2 + 36 n + 40) a(n + 1) - a(n + 2), a(0) = 2, a(1) = 24\}$$

Sequence: A122552
Score: 13.1156
Type of gen. func.: ogf

$$\frac{(x - 1) (x + 1)}{(2 x - 1) (x^2 + x + 1)}$$

Sequence: A122552
Score: 15.6060
Type of gen. func.: lgdogf

$$2 x^4 - 7 x^2 - 1$$

```
- --------------------------------------
                                    2
  (x - 1) (2 x - 1) (x + 1) (x  + x + 1)
```

Sequence: A122552
Score: 6.67489
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) + 2 a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A122552
Score: 6.73503
Type of gen. func.: ogf

$$-(f(x) - 1) (2 f(x) x^3 + f(x) x^2 + f(x) x - x^2 - f(x) + 1)$$

Sequence: A122553
Score: 13.7680
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1), a(0) = 1, a(1) = 3\}$$

Sequence: A122553
Score: 22.0287
Type of gen. func.: ogf

$$-f(x) x + f(x) - 2 x - 1$$

Sequence: A122553
Score: 26.7917
Type of gen. func.: ogf

$$-\frac{2 x + 1}{x - 1}$$

Sequence: A122553
Score: 29.4751
Type of gen. func.: revogf

$$- 1/4 - x/4 + \frac{(x^2 + 10 x + 1)^{1/2}}{4}$$

Sequence: A122553
Score: 60.7924
Type of gen. func.: lgdogf

$$- \frac{3}{(2 x + 1) (x - 1)}$$

Sequence: A122554
Score: 6.71801
Type of gen. func.: ogf

$$- \frac{x^5 - x^4 - x^3 - x^2 + 1}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A122554
Score: 8.34167
Type of gen. func.: lgdogf

$$\frac{x^7 - x^6 - 5 x^5 + 13 x^4 - 6 x^2 - 3 x + 3}{(x - 1) (x^2 + x - 1) (x^5 - x^4 - x^3 - x^2 + 1)}$$

Sequence: A122558
Score: 14.1445
Type of gen. func.: ogf

$$\frac{x - 1}{3 x^2 + 4 x - 1}$$

Sequence: A122558
Score: 14.8563
Type of gen. func.: revogf

$$\frac{-1 - 4 x + (28 x^2 + 4 x + 1)^{1/2}}{2 (3 x - 1)}$$

Sequence: A122558
Score: 17.8275
Type of gen. func.: lgdogf

$$- \frac{3 (x^2 - 2 x - 1)}{(x - 1) (3 x^2 + 4 x - 1)}$$

Sequence: A122558
Score: 7.31615
Type of gen. func.: ogf

$$(28 f(x) - 19) (3 f(x) x^2 + 4 f(x) x - f(x) - x + 1)$$

Sequence: A122558
Score: 7.76224
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A122562
Score: 15.3082
Type of gen. func.: lgdogf

$$- \frac{2 (115 x^2 - 221 x + 118)}{(x - 1) (115 x^2 - 224 x + 115)}$$

Sequence: A122562
Score: 5.27706
Type of gen. func.: ogf

$$(637 f(x) + 547672)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 115 x^2 + f(x) + 224 x - 115)$$

Sequence: A122562
Score: 9.99125
Type of gen. func.: ogf

$$\frac{115 x^2 - 224 x + 115}{(x - 1)^4}$$

Sequence: A122571
Score: 11.4385
Type of gen. func.: ogf

$$-\frac{13 x - 1}{x^2 - 14 x + 1}$$

Sequence: A122571
Score: 11.9556
Type of gen. func.: revogf

$$-\frac{-1 - 14 x + (192 x^2 - 24 x + 1)^{1/2}}{2 (13 + x)}$$

Sequence: A122571
Score: 14.2175
Type of gen. func.: lgdogf

$$-\frac{13 x^2 - 2 x + 1}{(13 x - 1) (x^2 - 14 x + 1)}$$

Sequence: A122571
Score: 5.65904
Type of gen. func.: ogf

$$-(168 f(x) - 167) (f(x) x^2 - 14 f(x) x + f(x) + 13 x - 1)$$

Sequence: A122571
Score: 6.47722
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1) + a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A122572
Score: 14.7237
Type of gen. func.: ogf

$$\frac{15 x + 1}{x^2 + 14 x + 1}$$

Sequence: A122572
Score: 15.0424
Type of gen. func.: revogf

$$- \frac{-1 + 14 x + ((8 x + 1) (24 x + 1))^{1/2}}{2 (-15 + x)}$$

Sequence: A122572
Score: 18.6051
Type of gen. func.: lgdogf

$$- \frac{(3 x + 1) (5 x - 1)}{(15 x + 1) (x^2 + 14 x + 1)}$$

Sequence: A122572
Score: 7.60455
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^2 + 14 f(x) x + f(x) - 15 x - 1)$$

Sequence: A122572
Score: 8.33752

Type of gen. func.: ogf

$$\{a(n + 2) + 14 a(n + 1) + a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A122573
Score: 10.3523
Type of gen. func.: lgdogf

$$-\frac{3 x^6 + 6 x^5 + 9 x^4 - 4 x^3 - 5 x^2 + 2 x + 1}{(x + 1) (3 x^2 - 1) (x^4 - 4 x^2 + 1)}$$

Sequence: A122573
Score: 11.0489
Type of gen. func.: ogf

$$-\frac{(x + 1) (3 x^2 - 1)}{x^4 - 4 x^2 + 1}$$

Sequence: A122573
Score: 6.77529
Type of gen. func.: ogf

$$\{a(n + 4) - 4 a(n + 2) + a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1\}$$

Sequence: A122573
Score: 7.72237
Type of gen. func.: ogf

$$f(x) (f(x) x^4 - 4 f(x) x^2 + 3 x^3 + 3 x^2 + f(x) - x - 1)$$

Sequence: A122574
Score: 15.2226
Type of gen. func.: ogf

$$-\frac{12 x + 1}{x^2 - 11 x - 1}$$

Sequence: A122574
Score: 17.0635
Type of gen. func.: revogf

$$\frac{-1 + 11 x + (125 x^2 + 26 x + 1)^{1/2}}{2 (x + 12)}$$

Sequence: A122574
Score: 19.8305
Type of gen. func.: lgdogf

$$-\frac{12 x^2 + 2 x + 1}{(12 x + 1) (x^2 - 11 x - 1)}$$

Sequence: A122574
Score: 8.22371
Type of gen. func.: ogf

$$(f(x) - 1) (f(x) x^2 - 11 f(x) x - f(x) + 12 x + 1)$$

Sequence: A122574
Score: 8.62002
Type of gen. func.: ogf

$$\{-a(n + 2) - 11 a(n + 1) + a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A122575
Score: 22.1351
Type of gen. func.: lgdogf

$$-\frac{5 x^2 + 22 x - 43}{(x - 1) (x^2 + 14 x + 1)}$$

Sequence: A122575
Score: 3.82214
Type of gen. func.: ogf

$$\{(-n-3)\,a(n+4) + (-69-13\,n)\,a(n+3) + (35+13\,n)\,a(n+2) + (n+5)\,a(n+1),\ a(0)=0,\ a(1)=-1,\ a(2)=43,\ a(3)=-1215\}$$

Sequence: A122575
Score: 8.62104
Type of gen. func.: ogf

$$\frac{x\,(x-1)}{(x^2+14\,x+1)^3}$$

Sequence: A122576
Score: 12.8339
Type of gen. func.: lgdogf

$$-\frac{3\,(x^5-3\,x^4+12\,x^3-8\,x^2+7\,x-1)}{(x-1)\,(x+1)\,(x^4-2\,x^3+6\,x^2-2\,x+1)}$$

Sequence: A122576
Score: 7.57839
Type of gen. func.: ogf

$$\frac{x^4-2\,x^3+6\,x^2-2\,x+1}{(x-1)^3\,(x+1)^4}$$

Sequence: A122580
Score: 12.4501
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^2-2\,x-2}{x^3-1}$$

Sequence: A122581
Score: 10.2097
Type of gen. func.: lgdogf

$$-\frac{10x^8+4x^7+3x^6+4x^5-x^4+2x^3+4x^2+1}{(5x^4+x^3+2x^2+1)(2x^5-4x^4+x^3-2x^2+x-1)}$$

Sequence: A122581
Score: 5.85706
Type of gen. func.: ogf

$$f(x)^2\,(2f(x)x^5-4f(x)x^4+f(x)x^3+5x^4-2f(x)x^2+x^3+f(x)x+2x^2-f(x)+1)$$

Sequence: A122581
Score: 9.93726
Type of gen. func.: ogf

$$-\frac{5x^4+x^3+2x^2+1}{2x^5-4x^4+x^3-2x^2+x-1}$$

Sequence: A122582
Score: 10.2190
Type of gen. func.: ogf

$$-\frac{3x^4+x^3+2x^2+1}{x^5-2x^4+x^3-2x^2+x-1}$$

Sequence: A122582
Score: 11.8245
Type of gen. func.: lgdogf

$$-\frac{3x^8+2x^7+x^6+4x^5+2x^3+4x^2+1}{(x^5-2x^4+x^3-2x^2+x-1)(3x^4+x^3+2x^2+1)}$$

Sequence: A122582
Score: 5.72005
Type of gen. func.: ogf

$$(4 f(x) - 3) (f(x) x^5 - 2 f(x) x^4 + f(x) x^3 + 3 x^4 - 2 f(x) x^2 + x^3 + f(x) x + 2 x^2 - f(x) + 1)$$

Sequence: A122583
Score: 5.06465
Type of gen. func.: ogf

$$f(x) (3 f(x) - 2) (3 f(x) x^5 - 6 f(x) x^4 + f(x) x^3 + 7 x^4 - 2 f(x) x^2 + x^3 + f(x) x + 2 x^2 - f(x) + 1)$$

Sequence: A122583
Score: 9.61715
Type of gen. func.: ogf

$$- \frac{7 x^4 + x^3 + 2 x^2 + 1}{3 x^5 - 6 x^4 + x^3 - 2 x^2 + x - 1}$$

Sequence: A122583
Score: 9.71794
Type of gen. func.: lgdogf

$$- \frac{21 x^8 + 6 x^7 + 5 x^6 + 4 x^5 - 2 x^4 + 2 x^3 + 4 x^2 + 1}{(3 x^5 - 6 x^4 + x^3 - 2 x^2 + x - 1) (7 x^4 + x^3 + 2 x^2 + 1)}$$

Sequence: A122584
Score: 5.28542
Type of gen. func.: ogf

4 3 2 2

$$(f(x) - 2) (f(x) x - 2 f(x) x + f(x) x + 2 f(x) x - 2 x - f(x) - x + 1)$$

Sequence: A122584
Score: 9.88143
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x - 1)}{x^4 - 2 x^3 + x^2 + 2 x - 1}$$

Sequence: A122584
Score: 9.96766
Type of gen. func.: lgdogf

$$-\frac{4 x^5 - x^4 - 8 x^3 + 3 x^2 + 2 x - 1}{(2 x - 1) (x + 1) (x^4 - 2 x^3 + x^2 + 2 x - 1)}$$

Sequence: A122586
Score: 6.56485
Type of gen. func.: ogf

$$-\frac{x^{44} - x^{35} + x^{32} - x^{29} + x^{28} + x^{27} - x^{26} + x^{17} - x^8 + x^5 - x^2 + x + 1}{(x - 1) (x + 1) (x^2 - x + 1) (x^6 - x^3 + 1) (x^{18} - x^9 + 1)}$$

Sequence: A122588
Score: 13.3928
Type of gen. func.: ogf

$$-\frac{1}{x^5 - 15 x^4 + 35 x^3 - 28 x^2 + 9 x - 1}$$

Sequence: A122589
Score: 7.19986
Type of gen. func.: lgdogf

$$6 x^5 - 105 x^4 + 280 x^3 - 252 x^2 + 90 x - 11$$

$$-\frac{}{x^{6} - 21 x^{5} + 70 x^{4} - 84 x^{3} + 45 x^{2} - 11 x + 1}$$

Sequence: A122589
Score: 8.61076
Type of gen. func.: ogf

$$\frac{1}{x^{6} - 21 x^{5} + 70 x^{4} - 84 x^{3} + 45 x^{2} - 11 x + 1}$$

Sequence: A122595
Score: 13.5328
Type of gen. func.: ogf

$$-\frac{1}{x^{4} - x^{3} - x^{2} + 3 x - 1}$$

Sequence: A122595
Score: 15.8483
Type of gen. func.: lgdogf

$$-\frac{4 x^{3} - 3 x^{2} - 2 x + 3}{x^{4} - x^{3} - x^{2} + 3 x - 1}$$

Sequence: A122595
Score: 5.48024
Type of gen. func.: ogf

$$-(2 f(x) + 1) (f(x) x^{4} - f(x) x^{3} - f(x) x^{2} + 3 f(x) x - f(x) + 1)$$

Sequence: A122597
Score: 7.08210
Type of gen. func.: ogf

$$-\frac{15 x^{10} - 15 x^{9} + 3 x^{8} - 3 x^{7} + 6 x^{6} + x^{5} + 8 x^{4} + 5 x^{3} + 3 x^{2} + 2 x + 1}{}$$

$$3 x^5 - 1$$

Sequence: A122600
Score: 18.9129
Type of gen. func.: ogf

$$\frac{1}{x^3 - 4 x^2 + 3 x + 1}$$

Sequence: A122600
Score: 24.3864
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 8 x + 3}{x^3 - 4 x^2 + 3 x + 1}$$

Sequence: A122600
Score: 6.86219
Type of gen. func.: ogf

$$\{-a(n + 3) - 3 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 1, a(1) = -3, a(2) = 13\}$$

Sequence: A122600
Score: 7.75427
Type of gen. func.: ogf

$$(23 f(x) + 3) (f(x) x^3 - 4 f(x) x^2 + 3 f(x) x + f(x) - 1)$$

Sequence: A122602
Score: 4.04186
Type of gen. func.: ogf

$$\frac{(5 x^4 - 5 x^2 + 1) (x^5 - 3 x^4 - 3 x^3 + 4 x^2 + x - 1)}{(x - 1) (x^3 - 2 x^2 - x + 1) (x^6 + 8 x^5 + 8 x^4 - 6 x^3 - 6 x^2 + x + 1)}$$

```
------------------------------------------------------------------------------

Sequence:  A122603
Score: 3.00277
Type of gen. func.: ogf


      7         6          5          4         3        2               /
(110 x  + 2675 x  - 11417 x  + 12896 x  - 4477 x  + 650 x  - 42 x + 1)  /  (
                                                                       /

     8        7          6          5          4         3        2
    x  - 876 x  + 11826 x  - 25954 x  + 17903 x  - 5146 x  + 691 x  - 43 x + 1)



------------------------------------------------------------------------------

Sequence:  A122604
Score: 5.10708
Type of gen. func.: ogf


                         3      2          4      2
                       (x  + 3 x  - 1) (5 x  - 5 x  + 1)
        ---------------------------------------------------------------
         9      8       7       6       5       4      3      2
        x  - 5 x  - 10 x  + 20 x  + 15 x  - 21 x  - 7 x  + 8 x  + x - 1



------------------------------------------------------------------------------

Sequence:  A122605
Score: 6.20209
Type of gen. func.: ogf


                                  2        3      2
                    (2 x - 1) (2 x  - 1) (x  + 2 x  - x - 1)
               - -----------------------------------------------
                           2            4      3      2
                 (x - 1) (x  + x - 1) (x  - 4 x  - 4 x  + x + 1)



------------------------------------------------------------------------------

Sequence:  A122605
Score: 7.73073
Type of gen. func.: lgdogf


   6     6       5       4       3       2              /
- x  (4 x  + 12 x  - 30 x  - 20 x  + 30 x  + 6 x - 7)  /  ((x - 1) (2 x - 1)
                                                      /

      2            3      2            4      3      2              2
    (x  + x - 1) (x  + 2 x  - x - 1) (x  - 4 x  - 4 x  + x + 1) (2 x  - 1))



------------------------------------------------------------------------------

Sequence:  A122607
Score: 6.77476
Type of gen. func.: lgdogf


        10       9       8       7       6       5       4      3       2
```

$$-\frac{8 x + 10 x - 36 x - 90 x + 49 x - 48 x - 15 x - 2 x - 10 x - 1}{(8 x^5 + 5 x^4 - x^3 - 5 x^2 - 1) (x^6 + 3 x^5 + 6 x^4 + 4 x^3 - 5 x^2 + x - 1)}$$

Sequence: A122607
Score: 7.85563
Type of gen. func.: ogf

$$\frac{8 x^5 + 5 x^4 - x^3 - 5 x^2 - 1}{x^6 + 3 x^5 + 6 x^4 + 4 x^3 - 5 x^2 + x - 1}$$

Sequence: A122608
Score: 5.09355
Type of gen. func.: ogf

$$f(x) (f(x) x^5 - 3 f(x) x^4 - 3 f(x) x^3 + 2 x^4 + 4 f(x) x^2 - x^3 + f(x) x - 4 x^2 - f(x) + 1)$$

Sequence: A122608
Score: 8.64187
Type of gen. func.: ogf

$$-\frac{(x + 1) (2 x - 1) (x^2 - x - 1)}{x^5 - 3 x^4 - 3 x^3 + 4 x^2 + x - 1}$$

Sequence: A122608
Score: 8.79022
Type of gen. func.: lgdogf

$$-\frac{2 x^8 - 2 x^7 - 3 x^6 + 8 x^5 + 15 x^4 - 2 x^3 - 8 x^2 + 1}{(2 x - 1) (x + 1) (x^2 - x - 1) (x^5 - 3 x^4 - 3 x^3 + 4 x^2 + x - 1)}$$

Sequence: A122611
Score: 8.00869
Type of gen. func.: lgdogf

$$-\frac{6x^5+30x^4-44x^3-18x^2+30x-7}{x^6+6x^5-11x^4-6x^3+15x^2-7x+1}$$

Sequence: A122611
Score: 9.15469
Type of gen. func.: ogf

$$\frac{1}{x^6+6x^5-11x^4-6x^3+15x^2-7x+1}$$

Sequence: A122618
Score: 6.16759
Type of gen. func.: ogf

$$-\frac{10x^{19}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1}{(x+1)^2(x^4+x^3+x^2+x+1)^2(x^4-x^3+x^2-x+1)^2(x-1)^3}$$

Sequence: A122620
Score: 6.23832
Type of gen. func.: ogf

$$-\frac{9x^{19}+2x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1}{(x+1)^2(x^4+x^3+x^2+x+1)^2(x^4-x^3+x^2-x+1)^2(x-1)^3}$$

Sequence: A122638
Score: 5.46166
Type of gen. func.: ogf

$$-\frac{x^{20}-x^{19}+11x^{18}-2x^{10}+2x^9+x^7+x^6+x^5+x^4+x^3+x^2+x+2}{(x+1)^2(x^4+x^3+x^2+x+1)^2(x^4-x^3+x^2-x+1)^2(x-1)^3}$$

Sequence: A122649
Score: 3.73340
Type of gen. func.: ogf

$$\{(4 n^2 + 18 n + 20) a(n + 1) + (-4 n - 11) a(n + 2) + a(n + 3), a(0) = 0, a(1) = 1, a(2) = 7\}$$

Sequence: A122649
Score: 4.20007
Type of gen. func.: egf]

$$8 f(x)^2 x^3 - 12 f(x)^2 x^2 + 6 f(x)^2 x - 8 f(x) x^2 - f(x)^2 + 8 f(x) x - 2 f(x) + 2 x$$

Sequence: A122650
Score: 10.8743
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 28657, a(1) = 46368\}$$

Sequence: A122650
Score: 18.4658
Type of gen. func.: ogf

$$- \frac{17711 x + 28657}{x^2 + x - 1}$$

Sequence: A122650
Score: 8.97877
Type of gen. func.: ogf

$$-(51841 f(x) - 410611825) (f(x) x^2 + f(x) x - f(x) + 17711 x + 28657)$$

Sequence: A122652
Score: 11.8736
Type of gen. func.: ogf

2

$$-f(x) x + 10 f(x) x - f(x) + 4 x$$

Sequence: A122652
Score: 17.1533
Type of gen. func.: revogf

$$- \frac{-5 x - 2 + 2 (2 x + 1)^{1/2} (3 x + 1)^{1/2}}{x}$$

Sequence: A122652
Score: 18.7478
Type of gen. func.: ogf

$$\frac{4 x}{x^2 - 10 x + 1}$$

Sequence: A122652
Score: 31.9675
Type of gen. func.: lgdogf

$$- \frac{2 (-5 + x)}{x^2 - 10 x + 1}$$

Sequence: A122652
Score: 8.68802
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + a(n), a(0) = 0, a(1) = 4\}$$

Sequence: A122653
Score: 11.8736
Type of gen. func.: ogf

$$-f(x) x^2 + 10 f(x) x - f(x) + 6 x$$

Sequence: A122653
Score: 14.9635
Type of gen. func.: revogf

$$-\frac{-5 x - 3 + (2 x + 1)^{1/2} (3 + 4 x)^{1/2} 3^{1/2}}{x}$$

Sequence: A122653
Score: 18.7478
Type of gen. func.: ogf

$$\frac{6 x}{x^2 - 10 x + 1}$$

Sequence: A122653
Score: 31.9675
Type of gen. func.: lgdogf

$$-\frac{2 (-5 + x)}{x^2 - 10 x + 1}$$

Sequence: A122653
Score: 8.68802
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + a(n), a(0) = 0, a(1) = 6\}$$

Sequence: A122656
Score: 12.1145
Type of gen. func.: lgdogf

$$-\frac{3 x^5 + 5 x^4 + 40 x^3 + 16 x^2 + 29 x + 3}{(x - 1) (x + 1) (x^4 + x^3 + 7 x^2 + x + 2)}$$

Sequence: A122656
Score: 7.00281
Type of gen. func.: ogf

$$\frac{x^2 (x^4 + x^3 + 7 x^2 + x + 2)}{(x + 1)^3 (x - 1)^4}$$

Sequence: A122657
Score: 4.79014
Type of gen. func.: ogf

$$\frac{2 x^2 (4 x^6 + 19 x^5 + 62 x^4 + 70 x^3 + 62 x^2 + 19 x + 4)}{(x + 1)^4 (x - 1)^6}$$

Sequence: A122657
Score: 7.01631
Type of gen. func.: lgdogf

$$- \frac{16 x^7 + 103 x^6 + 434 x^5 + 709 x^4 + 884 x^3 + 505 x^2 + 202 x + 27}{(x - 1) (x + 1) (4 x^6 + 19 x^5 + 62 x^4 + 70 x^3 + 62 x^2 + 19 x + 4)}$$

Sequence: A122658
Score: 3.98251
Type of gen. func.: ogf

$$\frac{2 x^2 (x^8 + 7 x^7 + 95 x^6 + 113 x^5 + 379 x^4 + 149 x^3 + 189 x^2 + 19 x + 8)}{(x + 1)^5 (x - 1)^6}$$

Sequence: A122678
Score: 12.8068
Type of gen. func.: ogf

$$- \frac{(x + 1)^2}{(x^2 - 3 x + 1) (x - 1)}$$

Sequence: A122678
Score: 6.79315
Type of gen. func.: ogf

$$(173 f(x) - 128) (f(x) x^3 - 4 f(x) x^2 + 4 f(x) x + x^2 - f(x) + 2 x + 1)$$

Sequence: A122678
Score: 6.91340
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 1, a(1) = 6, a(2) = 21\}$$

Sequence: A122679
Score: 12.8611
Type of gen. func.: ogf

$$-\frac{5 x (x + 1)}{(x^2 - 3 x + 1) (x - 1)}$$

Sequence: A122679
Score: 6.54539
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 0, a(1) = 5, a(2) = 25\}$$

Sequence: A122679
Score: 6.85126
Type of gen. func.: ogf

$$(f(x) + 1) (f(x) x^3 - 4 f(x) x^2 + 4 f(x) x + 5 x^2 - f(x) + 5 x)$$

Sequence: A122685
Score: 14.4999
Type of gen. func.: egf]

$$-\frac{x^4 - 2 x^2 + x + 1}{(x - 1) (x + 1)}$$

Sequence: A122685
Score: 16.5481
Type of gen. func.: lgdegf]

$$\frac{2 x^5 - 4 x^3 - x^2 + 2 x - 1}{(x - 1) (x + 1) (x^4 - 2 x^2 + x + 1)}$$

Sequence: A122685
Score: 7.72422
Type of gen. func.: egf]

{-a(n + 5) + a(n + 3), a(0) = 1, a(1) = 1, a(2) = -1, a(3) = 1, a(4) = 0}

Sequence: A122685
Score: 9.4999
Type of gen. func.: egf]

$$-(f(x) - 5) (x^4 + f(x) x^2 - 2 x^2 - f(x) + x + 1)$$

Sequence: A122690
Score: 12.8546
Type of gen. func.: ogf

$$\frac{x - 1}{4 x^2 + 5 x - 1}$$

Sequence: A122690
Score: 13.4829
Type of gen. func.: revogf

$$\frac{-1 - 5 x + (41 x^2 + 6 x + 1)^{1/2}}{2 (4 x - 1)}$$

Sequence: A122690

Score: 16.1794
Type of gen. func.: lgdogf

$$-\frac{4\,(x^2 - 2\,x - 1)}{(x - 1)\,(4\,x^2 + 5\,x - 1)}$$

Sequence: A122690
Score: 6.8054
Type of gen. func.: ogf

$$(5\,f(x) - 3)\,(4\,f(x)\,x^2 + 5\,f(x)\,x - f(x) - x + 1)$$

Sequence: A122690
Score: 7.05438
Type of gen. func.: ogf

$$\{-a(n + 2) + 5\,a(n + 1) + 4\,a(n),\ a(0) = 1,\ a(1) = 4\}$$

Sequence: A122693
Score: 3.11724
Type of gen. func.: ogf

$$\{(n^3 + 8\,n^2 + 21\,n + 18)\,a(n + 1) + (-3\,n^3 - 36\,n^2 - 142\,n - 185)\,a(n + 2)$$
$$+ (-14 - 4\,n)\,a(n + 3) + (9 + 3\,n)\,a(n + 4),\ a(0) = 0,\ a(1) = 2,\ a(2) = 4,$$
$$a(3) = 32\}$$

Sequence: A122694
Score: 5.66209
Type of gen. func.: ogf

$$\frac{x\,(341\,x^5 + 79\,x^4 + 341\,x^3 - 1463\,x^2 - 237\,x - 583)}{(x - 1)\,(x^6 - 6\,x^3 + 1)}$$

Sequence: A122695
Score: 10.8716
Type of gen. func.: ogf

$$-\frac{x^2 (x^2 - x + 1)}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A122695
Score: 5.28479
Type of gen. func.: ogf

{a(n + 5) - 6 a(n + 4) + 11 a(n + 3) - 6 a(n + 2), a(0) = 0, a(1) = 0, a(2) = 1,

a(3) = 5, a(4) = 20}

Sequence: A122695
Score: 6.03975
Type of gen. func.: ogf

$$-(76 f(x) - 75) (6 f(x) x^3 + x^4 - 11 f(x) x^2 - x^3 + 6 f(x) x + x^2 - f(x))$$

Sequence: A122695
Score: 7.91990
Type of gen. func.: lgdogf

$$-\frac{6 x^4 - 12 x^3 + 23 x^2 - 20 x + 5}{(x - 1) (3 x - 1) (2 x - 1) (x^2 - x + 1)}$$

Sequence: A122709
Score: 15.8025
Type of gen. func.: ogf

$$\frac{(2 x + 1)^2}{(x - 1)^2}$$

Sequence: A122709
Score: 51.3439
Type of gen. func.: lgdogf

$$-\frac{6}{(2 x + 1) (x - 1)}$$

Sequence: A122709
Score: 8.13138
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 6, a(2) = 15\}$$

Sequence: A122709
Score: 8.54625
Type of gen. func.: ogf

$$-(7 f(x) - 23) (f(x) x^2 - 2 f(x) x - 4 x^2 + f(x) - 4 x - 1)$$

Sequence: A122733
Score: 3.82587
Type of gen. func.: ogf

$$\frac{128 x^6 + 96 x^5 + 72 x^4 + 4 x^3 + 76 x^2 - 48 x - 9}{2 x - 1}$$

Sequence: A122737
Score: 13.9654
Type of gen. func.: ogf

$$-f(x)^2 x - 6 f(x) x + 2 f(x) - 4 x$$

Sequence: A122737
Score: 54.2715
Type of gen. func.: revogf

$$\frac{2 x}{x^2 + 6 x + 4}$$

Sequence: A122737
Score: 6.80959
Type of gen. func.: ogf

$$\{-5 a(n) n + (6 n + 9) a(n + 1) + (-n - 3) a(n + 2), a(0) = 0, a(1) = 2\}$$

Sequence: A122746
Score: 20.8846
Type of gen. func.: ogf

$$\frac{1}{(2 x^2 - 1) (2 x - 1)}$$

Sequence: A122746
Score: 21.6784
Type of gen. func.: lgdogf

$$- \frac{2 (6 x^2 - 2 x - 1)}{(2 x - 1) (2 x^2 - 1)}$$

Sequence: A122746
Score: 6.89937
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A122746
Score: 7.80534
Type of gen. func.: ogf

$$(f(x) + 2) (4 f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + f(x) - 1)$$

Sequence: A122747
Score: 7.22146
Type of gen. func.: ogf

$$\{(16 n^2 + 48 n + 36) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A122751
Score: 6.34890
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 + 3 x^2 - x + 1}{(x + 1)^2 (x^2 + 1) (x - 1)^5}$$

Sequence: A122751
Score: 9.26867
Type of gen. func.: lgdogf

$$-\frac{5 x^7 - 3 x^6 + 23 x^5 - x^4 + 22 x^3 + 4 x^2 + 8 x + 2}{(x - 1) (x + 1) (x^2 + 1) (x^4 - x^3 + 3 x^2 - x + 1)}$$

Sequence: A122752
Score: 3.76559
Type of gen. func.: ogf

$\{a(n) n + (n + 1) a(n + 1) + (n + 2) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 1,$

$a(2) = 1\}$

Sequence: A122756
Score: 14.3581
Type of gen. func.: ogf

$$-\frac{2 x^2 + 2 x + 1}{(2 x - 1) (2 x + 1)}$$

Sequence: A122756
Score: 14.9931
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^2 + 6 x + 1)}{(2 x + 1) (2 x - 1) (2 x^2 + 2 x + 1)}$$

Sequence: A122756
Score: 8.37554
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A122756
Score: 9.13694
Type of gen. func.: ogf

$$(39 f(x) - 31) (4 f(x) x^2 + 2 x^2 - f(x) + 2 x + 1)$$

Sequence: A122762
Score: 5.97857
Type of gen. func.: ogf

$$\frac{4 x^9 + 4 x^8 + 3 x^7 + 2 x^6 + 2 x^5 + x^4 - x - 1}{x^{10} + x^8 + x^7 + x^5 + x^4 + x^2 - 1}$$

Sequence: A122767
Score: 10.9126
Type of gen. func.: ogf

$$\frac{2 x}{300 x^3 - 120 x^2 - 6 x + 1}$$

Sequence: A122767
Score: 11.6899
Type of gen. func.: lgdogf

$$- \frac{6 (150 x^2 - 40 x - 1)}{300 x^3 - 120 x^2 - 6 x + 1}$$

Sequence: A122767
Score: 4.60964
Type of gen. func.: ogf

$\{-a(n + 3) + 6 a(n + 2) + 120 a(n + 1) - 300 a(n), a(0) = 0, a(1) = 2, a(2) = 12\}$

Sequence: A122767
Score: 4.90568
Type of gen. func.: ogf

$$-(115 f(x) + 8) (300 f(x) x^3 - 120 f(x) x^2 - 6 f(x) x + f(x) - 2 x)$$

Sequence: A122769
Score: 11.3328
Type of gen. func.: ogf

$$-\frac{3 x - 1}{x^2 - 14 x + 1}$$

Sequence: A122769
Score: 11.8599
Type of gen. func.: revogf

$$-\frac{-1 - 14 x + (192 x^2 + 16 x + 1)^{1/2}}{2 (3 + x)}$$

Sequence: A122769
Score: 14.1660
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 2 x + 11}{(3 x - 1) (x^2 - 14 x + 1)}$$

Sequence: A122769
Score: 5.6055

Type of gen. func.: ogf

$$-(152 f(x) - 31) (f(x) x^2 - 14 f(x) x + f(x) + 3 x - 1)$$

Sequence: A122769
Score: 6.20608
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1) + a(n), a(0) = 1, a(1) = 11\}$$

Sequence: A122770
Score: 10.0608
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - 12 x^2 + 45 x - 22)}{(x - 1) (x - 3) (x^2 - 14 x + 1)}$$

Sequence: A122770
Score: 10.9793
Type of gen. func.: ogf

$$\frac{2 x (x - 3)}{(x - 1) (x^2 - 14 x + 1)}$$

Sequence: A122770
Score: 5.68225
Type of gen. func.: ogf

$$-(22 f(x) + 9) (f(x) x^3 - 15 f(x) x^2 + 15 f(x) x - 2 x^2 - f(x) + 6 x)$$

Sequence: A122770
Score: 5.68225
Type of gen. func.: ogf

$$\{-a(n + 3) + 15 a(n + 2) - 15 a(n + 1) + a(n), a(0) = 0, a(1) = 6, a(2) = 88\}$$

Sequence: A122788
Score: 14.3401
Type of gen. func.: ogf

$$\frac{x (x - 1)}{2 x^3 - 2 x^2 + 2 x - 1}$$

Sequence: A122788
Score: 16.4853
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 8 x^2 + 4 x - 1}{(x - 1) (2 x^3 - 2 x^2 + 2 x - 1)}$$

Sequence: A122788
Score: 7.36383
Type of gen. func.: ogf

$$-(f(x) + 1) (2 f(x) x^3 - 2 f(x) x^2 + 2 f(x) x - x^2 - f(x) + x)$$

Sequence: A122788
Score: 7.36383
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - 2 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 1, a(2) = 1\}$$

Sequence: A122789
Score: 16.5204
Type of gen. func.: ogf

$$\frac{x (x - 1) (x + 1)}{x^4 + x - 1}$$

Sequence: A122789
Score: 17.1406
Type of gen. func.: lgdogf

$$-\frac{2x^5-4x^3-x^2+2x-1}{(x-1)(x+1)(x^4+x-1)}$$

Sequence: A122789
Score: 9.52351
Type of gen. func.: ogf

$$-f(x)\,(f(x)\,x^4-x^3+f(x)\,x-f(x)+x)$$

Sequence: A122792
Score: 13.6949
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^2-1}{-x^4-x^3+x+1}$$

Sequence: A122803
Score: 16.1358
Type of gen. func.: ogf

$$\{-a(n+1)-2\,a(n),\ a(0)=1\}$$

Sequence: A122803
Score: 20.4649
Type of gen. func.: ogf

$$2\,f(x)\,x+f(x)-1$$

Sequence: A122803
Score: 33.5625
Type of gen. func.: ogf

$$\frac{1}{2x+1}$$

Sequence: A122803
Score: 63.2344
Type of gen. func.: revegf]

$$-1/2 \ln(1 - 2 x)$$

Sequence: A122803
Score: 88.5282
Type of gen. func.: lgdogf

$$-\frac{2}{2 x + 1}$$

Sequence: A122822
Score: 15.2298
Type of gen. func.: ogf

$$\frac{x^2 (2 x - 1)}{3 x^4 - x^3 - 2 x + 1}$$

Sequence: A122822
Score: 20.3595
Type of gen. func.: lgdogf

$$-\frac{x^2 (18 x^2 - 16 x + 3)}{(2 x - 1) (3 x^4 - x^3 - 2 x + 1)}$$

Sequence: A122822
Score: 7.67782
Type of gen. func.: ogf

{a(n + 4) - 2 a(n + 3) - a(n + 1) + 3 a(n), a(0) = 0, a(1) = 0, a(2) = -1,

a(3) = 0}

Sequence: A122822

Score: 9.01958
Type of gen. func.: ogf

$$f(x) \left(3 f(x) x^{4} - f(x) x^{3} - 2 x^{3} - 2 f(x) x + x^{2} + f(x)\right)$$

Sequence: A122831
Score: 8.72913
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3 x^{7} - 3 x^{6} - x^{5} - 3 x^{4} + 3 x^{3} + x^{2} + 3 x - 3}{x^{9} + 1}$$

Sequence: A122840
Score: 21.6151
Type of gen. func.: lgdogf

$$\frac{10 x^{9} (3 x^{35} - 1) (3 x^{35} + 1)}{9 x^{70} + x^{10} - 1}$$

Sequence: A122841
Score: 6.68672
Type of gen. func.: ogf

$$- x^{5} (2 x^{30} + x^{24} + x^{18} + x^{12} + x^{6} + 1) \Big/ \big((x - 1) (x^{2} + x + 1) (x^{6} + x^{3} + 1) (x + 1) (x^{2} - x + 1) (x^{6} - x^{3} + 1) (x^{2} + 1) (x^{4} - x^{2} + 1) (x^{12} - x^{6} + 1)\big)$$

Sequence: A122854
Score: 13.4316
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{6 x^{2} - 2 x + 8}{-x^{3} - x^{2} - x - 1}$$

Sequence: A122856
Score: 4.70394
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^{10}-2x^{8}-2x^{7}-2x^{6}-2x^{4}-2}{x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1}$$

Sequence: A122859
Score: 10.8613
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^{5}-6x^{4}-3x^{3}-4x^{2}-3x-6}{x^{6}-1}$$

Sequence: A122861
Score: 11.3754
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^{3}-x^{2}+2x-3}{x^{4}-x^{3}+x-1}$$

Sequence: A122868
Score: 11.248
Type of gen. func.: ogf

$$-3f(x)^2x^2-6f(x)^2x+f(x)^2-1$$

Sequence: A122868
Score: 23.0127
Type of gen. func.: lgdogf

$$-\frac{3(x+1)}{3x^{2}+6x-1}$$

Sequence: A122868
Score: 3.40961
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-15 - 6 n) a(n + 2) + (-6 - 3 n) a(n + 1), a(0) = 1, a(1) = 3, a(2) = 15\}$$

Sequence: A122871
Score: 10.3099
Type of gen. func.: ogf

$$-3 f(x)^2 x^2 - 2 f(x) x + f(x) - 1$$

Sequence: A122871
Score: 39.7162
Type of gen. func.: revogf

$$\frac{x}{3 x^2 + 2 x + 1}$$

Sequence: A122871
Score: 4.00188
Type of gen. func.: ogf

$$\{(8 n + 16) a(n + 1) + (4 n + 14) a(n + 2) + (-n - 5) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 7\}$$

Sequence: A122874
Score: 13.0587
Type of gen. func.: ogf

$$-\frac{14 x^2 + 20 x + 7}{(x - 1) (x + 1)^2}$$

Sequence: A122874
Score: 17.2966
Type of gen. func.: lgdogf

$$-\frac{14 x^3 + 26 x^2 + 29 x + 13}{(x - 1) (x + 1) (14 x^2 + 20 x + 7)}$$

Sequence: A122874
Score: 6.85581
Type of gen. func.: ogf

$$(7985 f(x) + 36657) (f(x) x^3 + f(x) x^2 - f(x) x + 14 x^2 - f(x) + 20 x + 7)$$

Sequence: A122874
Score: 7.28050
Type of gen. func.: ogf

{-a(n + 3) - a(n + 2) + a(n + 1) + a(n), a(0) = 7, a(1) = 13, a(2) = 8}

Sequence: A122876
Score: 10.4997
Type of gen. func.: ogf

$$-f(x) x^2 + f(x) x + 2 x^2 - f(x) + 1$$

Sequence: A122876
Score: 14.3568
Type of gen. func.: ogf

$$\frac{2 x^2 + 1}{x^2 - x + 1}$$

Sequence: A122876
Score: 24.4689
Type of gen. func.: lgdogf

$$-\frac{2 x^2 - 2 x - 1}{^2 \qquad ^2}$$

$$(x - x + 1) (2 x + 1)$$

Sequence: A122876
Score: 6.89687
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) - a(n + 1), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A122877
Score: 3.25504
Type of gen. func.: ogf

$$\{(7 n^2 + 35 n + 42) a(n + 1) + (2 n^2 + 13 n + 21) a(n + 2) + (-n^2 - 8 n - 12) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A122877
Score: 7.52464
Type of gen. func.: ogf

$$-4 f(x)^2 x^3 - 3 f(x) x^2 - 2 f(x) x + f(x) - x$$

Sequence: A122878
Score: 8.46822
Type of gen. func.: ogf

$$- \frac{23 x^{14} - 10 x^{11} + 22 x^7 + x^4 + 12}{(x - 1) (x^2 + x + 1) (x^{12} - x^{11} + x^9 - x^8 + x^6 - x^4 + x^3 - x + 1)}$$

Sequence: A122879
Score: 8.54026
Type of gen. func.: ogf

$$- \frac{x^4 (2 x^{10} - x^7 + x^3 + 1)}{(x - 1) (x^2 + x + 1) (x^{12} - x^{11} + x^9 - x^8 + x^6 - x^4 + x^3 - x + 1)}$$

Sequence: A122883
Score: 11.9244
Type of gen. func.: lgdogf

$$-\frac{4x^3 - 17x^2 + 22x + 3}{(x-1)(2x+1)(x^2 - 6x + 1)}$$

Sequence: A122883
Score: 13.1807
Type of gen. func.: ogf

$$-\frac{x-1}{(2x+1)(x^2 - 6x + 1)}$$

Sequence: A122883
Score: 6.24347
Type of gen. func.: ogf

$$\{-a(n+3) + 4a(n+2) + 11a(n+1) - 2a(n), a(0) = 1, a(1) = 3, a(2) = 23\}$$

Sequence: A122883
Score: 6.24348
Type of gen. func.: ogf

$$-(19711 f(x) - 431)(2 f(x) x^3 - 11 f(x) x^2 - 4 f(x) x + f(x) + x - 1)$$

Sequence: A122884
Score: 11.1069
Type of gen. func.: ogf

$$\frac{3x+1}{(2x+1)(x^2 - 6x + 1)}$$

Sequence: A122884
Score: 11.2999

Type of gen. func.: lgdogf

$$-\frac{12 x^3 - 27 x^2 - 22 x - 7}{(2 x + 1) (3 x + 1) (x^2 - 6 x + 1)}$$

Sequence: A122884
Score: 5.26114
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) + 11 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 7, a(2) = 39\}$$

Sequence: A122884
Score: 5.50249
Type of gen. func.: ogf

$$(7319 f(x) + 697) (2 f(x) x^3 - 11 f(x) x^2 - 4 f(x) x + f(x) - 3 x - 1)$$

Sequence: A122885
Score: 4.55549
Type of gen. func.: ogf

$$(140167 f(x) + 12950)$$

$$(2 f(x) x^3 - 11 f(x) x^2 - 4 f(x) x + 2 x^2 + f(x) - 9 x - 1)$$

Sequence: A122885
Score: 4.79317
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) - 11 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 13, a(2) = 61\}$$

Sequence: A122885
Score: 8.29587
Type of gen. func.: lgdogf

$$-\frac{4 x^4 - 36 x^3 + 101 x^2 + 18 x + 13}{(2 x + 1) (x^2 - 6 x + 1) (2 x^2 - 9 x - 1)}$$

Sequence: A122885
Score: 8.89055
Type of gen. func.: ogf

$$-\frac{2x^{2} - 9x - 1}{(2x + 1)(x^{2} - 6x + 1)}$$

Sequence: A122886
Score: 6.25425
Type of gen. func.: ogf

$$-\frac{x^{2} (x - 1)(2x^{5} - x^{4} + 3x^{2} + 2x + 1)}{(2x^{3} + 1)(x^{6} - 6x^{3} + 1)}$$

Sequence: A122898
Score: 29.1404
Type of gen. func.: revogf

$$\frac{x (x + 1)}{7x^{2} + 7x + 1}$$

Sequence: A122898
Score: 4.02663
Type of gen. func.: ogf

$\{(-21 n - 42) a(n + 1) + (10 n + 32) a(n + 2) + (-n - 4) a(n + 3), a(0) = 1,$

$a(1) = 6, a(2) = 37\}$

Sequence: A122898
Score: 5.94125
Type of gen. func.: lgdogf

$$-\frac{7x - 1 + 14 (7x - 1)^{1/2} (3x - 1)^{1/2} x - (7x - 1)^{1/2} (3x - 1)^{1/2}}{\quad^{3/2} \qquad ^{1/2}}$$

```
                          2 (7 x - 1)    (3 x - 1)    x



------------------------------------------------------------------------------

Sequence:  A122898
Score: 8.10555
Type of gen. func.: ogf


                         2  2       2
                   7 f(x)  x  - f(x)  x + 7 f(x) x - f(x) + 1



------------------------------------------------------------------------------

Sequence:  A122904
Score: 7.88407
Type of gen. func.: lgdogf


       10      9      8      7      6      5      4      3       2
    4 x   + 2 x  - 4 x  - 9 x  - 5 x  + 3 x  + 3 x  + 3 x  + 11 x  + 9 x + 7
    ------------------------------------------------------------------------
                   8    7    6    5      3    2              2
         (x - 1) (x  + x  - x  - x  + 4 x  - x  - 2 x - 5) (x  + x + 1)



------------------------------------------------------------------------------

Sequence:  A122904
Score: 8.98961
Type of gen. func.: ogf


                      8    7    6    5      3    2
                     x  + x  - x  - x  + 4 x  - x  - 2 x - 5
                   - ---------------------------------------
                                2                 2
                              (x  + x + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A122909
Score: 4.11795
Type of gen. func.: ogf


-(102925 f(x) - 19443)

           4           3           2    3               2
    (f(x) x  + 3 f(x) x  - 6 f(x) x  - x  - 3 f(x) x - x  + f(x) - x - 1)



------------------------------------------------------------------------------

Sequence:  A122909
Score: 7.96249
Type of gen. func.: lgdogf


                    6      5       4       3      2
                   x  + 2 x  + 12 x  + 16 x  + 3 x  - 14 x - 4
                 - --------------------------------------------
                             2        2              2
```

$$(x + 1) (x + 1) (x + 4 x - 1) (x - x - 1)$$

Sequence: A122909
Score: 8.02197
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 1)}{(x^2 + 4 x - 1) (x^2 - x - 1)}$$

Sequence: A122910
Score: 4.69099
Type of gen. func.: ogf

$$-(25333272 f(x) + 814813)$$

$$(64 f(x) x^3 - 24 f(x) x^2 - 6 f(x) x + 3 x^2 + f(x) + 2 x - 1)$$

Sequence: A122910
Score: 5.26206
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) - 24 a(n + 1) + 64 a(n), a(0) = 1, a(1) = 4, a(2) = 45\}$$

Sequence: A122910
Score: 8.23826
Type of gen. func.: lgdogf

$$- \frac{2 (96 x^4 + 128 x^3 - 111 x^2 + 21 x + 2)}{(3 x - 1) (2 x - 1) (8 x - 1) (4 x + 1) (x + 1)}$$

Sequence: A122910
Score: 9.60535
Type of gen. func.: ogf

$$- \frac{(x + 1) (3 x - 1)}{(4 x + 1) (8 x - 1) (2 x - 1)}$$

Sequence: A122911
Score: 2.87941
Type of gen. func.: ogf

$$-(860098539691881792 f(x) - 11673910175602231) (1024 f(x) x^4 + 320 f(x) x^3 - 120 f(x) x^2 + 25 x^3 - 10 f(x) x + 31 x^2 + f(x) + 5 x - 1)$$

Sequence: A122911
Score: 6.08977
Type of gen. func.: ogf

$$-\frac{(x + 1) (25 x^2 + 6 x - 1)}{(16 x - 1) (2 x + 1) (8 x + 1) (4 x - 1)}$$

Sequence: A122918
Score: 24.1521
Type of gen. func.: ogf_with_Euler_transform]

$$[2 x^2 - 2 x]$$

Sequence: A122918
Score: 25.8133
Type of gen. func.: lgdogf

$$-\frac{2 x (2 + x)}{(x + 1) (x^2 + x + 1)}$$

Sequence: A122918
Score: 4.5258
Type of gen. func.: ogf

$$-(5 f(x) + 11) (f(x) x^4 + 2 f(x) x^3 + 3 f(x) x^2 + 2 f(x) x - x^2 + f(x) - 2 x - 1)$$

Sequence: A122918
Score: 8.78925
Type of gen. func.: ogf

$$\frac{(x + 1)^2}{(x^2 + x + 1)^2}$$

Sequence: A122920
Score: 4.78905
Type of gen. func.: ogf

$$\{(4 n^2 + 30 n + 56) a(n + 1) + (7 n^2 + 51 n + 94) a(n + 2)$$
$$+ (-2 n^2 - 18 n - 36) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 4\}$$

Sequence: A122920
Score: 8.05633
Type of gen. func.: ogf

$$-f(x)^2 x^4 - 2 f(x)^2 x^3 + 2 f(x) x^3 - 3 f(x) x - x^2 + f(x) + 2 x - 1$$

Sequence: A122931
Score: 9.85172
Type of gen. func.: ogf

$$\frac{x - 1}{(x + 1) (x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A122931
Score: 9.94687
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^5 - 4 x^4 - 3 x^3 + 8 x^2 - x - 1)}{(x - 1) (x + 1) (x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A122946
Score: 11.4747
Type of gen. func.: ogf

$$4 f(x) x^3 + f(x) x + 2 x^2 - f(x)$$

Sequence: A122946
Score: 19.5379
Type of gen. func.: ogf

$$- \frac{2 x^2}{(2 x - 1) (2 x^2 + x + 1)}$$

Sequence: A122946
Score: 23.0920
Type of gen. func.: lgdogf

$$- \frac{12 x^2 + 1}{(2 x - 1) (2 x^2 + x + 1)}$$

Sequence: A122946
Score: 7.85765
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 4 a(n), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A122948
Score: 4.98698
Type of gen. func.: ogf

$$(6 f(x)^2 + 2 f(x) + 3) (f(x) x^5 + 2 f(x) x^4 - 5 f(x) x^3 - 2 f(x) x^2 - 2 x^3 + 4 f(x) x + 7 x^2 - f(x) - 5 x + 1)$$

Sequence: A122948
Score: 8.47751
Type of gen. func.: lgdogf

$$-\frac{4x^7-17x^6-8x^5+64x^4-74x^3+39x^2-10x+1}{(2x-1)(x^2-3x+1)(x^5+2x^4-5x^3-2x^2+4x-1)}$$

Sequence: A122948
Score: 9.91529
Type of gen. func.: ogf

$$\frac{(2x-1)(x^2-3x+1)}{x^5+2x^4-5x^3-2x^2+4x-1}$$

Sequence: A122951
Score: 20.0918
Type of gen. func.: revogf

$$\frac{x(x^2-3x+1)}{(x^2+1)(x-1)^2}$$

Sequence: A122958
Score: 12.5551
Type of gen. func.: ogf

$$-\frac{x^2+2x-1}{(2x-1)(x-1)}$$

Sequence: A122958
Score: 6.58834
Type of gen. func.: ogf

{-a(n + 3) + 3 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 0}

Sequence: A122958
Score: 6.72143
Type of gen. func.: ogf

$$-(11 f(x) - 14) (2 f(x) x^2 - 3 f(x) x + x^2 + f(x) + 2 x - 1)$$

Sequence: A122959
Score: 13.3923
Type of gen. func.: ogf

$$-\frac{x^2 - 2 x - 1}{(x + 1) (2 x + 1)}$$

Sequence: A122959
Score: 7.02764
Type of gen. func.: ogf

$$\{-a(n + 3) - 3 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = -1, a(2) = 0\}$$

Sequence: A122959
Score: 7.47148
Type of gen. func.: ogf

$$(11 f(x) - 14) (2 f(x) x^2 + 3 f(x) x + x^2 + f(x) - 2 x - 1)$$

Sequence: A122973
Score: 13.8889
Type of gen. func.: ogf

$$-\frac{14 x^2 - 7 x - 1}{(4 x - 1) (x - 1)}$$

Sequence: A122973
Score: 16.0244
Type of gen. func.: lgdogf

$$-\frac{6 (7 x^2 - 6 x + 2)}{(x - 1) (4 x - 1) (14 x^2 - 7 x - 1)}$$

Sequence: A122973
Score: 7.21153
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 4 a(n + 1), a(0) = 1, a(1) = 12, a(2) = 42\}$$

Sequence: A122973
Score: 7.49998
Type of gen. func.: ogf

$$-(33 f(x) + 95) (4 f(x) x^2 - 5 f(x) x + 14 x^2 + f(x) - 7 x - 1)$$

Sequence: A122983
Score: 10.5899
Type of gen. func.: ogf

$$-\frac{x^2 + 2 x - 1}{(x - 1) (3 x - 1) (x + 1)}$$

Sequence: A122983
Score: 11.5055
Type of gen. func.: lgdogf

$$-\frac{3 x^4 + 12 x^3 - 8 x^2 + 1}{(x - 1) (3 x - 1) (x + 1) (x^2 + 2 x - 1)}$$

Sequence: A122983
Score: 5.61725
Type of gen. func.: ogf

$$-(2 f(x) + 1) (3 f(x) x^3 - f(x) x^2 - 3 f(x) x + x^2 + f(x) + 2 x - 1)$$

Sequence: A122983
Score: 5.76772
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) - a(n + 1) + 3 a(n), a(0) = 1, a(1) = 1, a(2) = 3}

Sequence: A122994
Score: 17.2848
Type of gen. func.: ogf

$$-\frac{2x+1}{9x^2+x-1}$$

Sequence: A122994
Score: 19.1159
Type of gen. func.: revogf

$$\frac{-1-x+(37x^2+10x+1)^{1/2}}{2(2+9x)}$$

Sequence: A122994
Score: 21.2399
Type of gen. func.: lgdogf

$$-\frac{3(6x^2+6x+1)}{(2x+1)(9x^2+x-1)}$$

Sequence: A122994
Score: 8.94043
Type of gen. func.: ogf

$$(25 f(x) - 16) (9 f(x) x^2 + f(x) x - f(x) + 2 x + 1)$$

Sequence: A122994
Score: 9.48559
Type of gen. func.: ogf

{-a(n + 2) + a(n + 1) + 9 a(n), a(0) = 1, a(1) = 3}

Sequence: A122995
Score: 13.4829
Type of gen. func.: revogf

$$\frac{-1 - x + (101 x^2 + 18 x + 1)^{1/2}}{2 (4 + 25 x)}$$

Sequence: A122995
Score: 14.5200
Type of gen. func.: lgdogf

$$- \frac{5 (20 x^2 + 10 x + 1)}{(4 x + 1) (25 x^2 + x - 1)}$$

Sequence: A122995
Score: 16.8575
Type of gen. func.: ogf

$$- \frac{4 x + 1}{25 x^2 + x - 1}$$

Sequence: A122995
Score: 8.81188
Type of gen. func.: ogf

$$(61 f(x) - 36) (25 f(x) x^2 + f(x) x - f(x) + 4 x + 1)$$

Sequence: A122995
Score: 9.34270
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 25 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A122996
Score: 12.9598
Type of gen. func.: ogf

$$-\frac{1 + 6 x}{49 x^2 + x - 1}$$

Sequence: A122996
Score: 13.9087
Type of gen. func.: revogf

$$\frac{-1 - x + (197 x^2 + 26 x + 1)^{1/2}}{2 (6 + 49 x)}$$

Sequence: A122996
Score: 14.9787
Type of gen. func.: lgdogf

$$-\frac{7 (42 x^2 + 14 x + 1)}{(1 + 6 x) (49 x^2 + x - 1)}$$

Sequence: A122996
Score: 6.69832
Type of gen. func.: ogf

$$(113 f(x) - 64) (49 f(x) x^2 + f(x) x - f(x) + 6 x + 1)$$

Sequence: A122996
Score: 7.18253
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 49 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A122997
Score: 10.7475
Type of gen. func.: lgdogf

$$-\frac{x^8 - 4 x^7 - 8 x^5 - x^4 + 8 x^3 - 6 x^2 + 4 x - 1}{}$$

$$(x^4 - 2 x^3 + x^2 - 2 x + 1) (x^5 + x^4 + x^3 + x^2 + x - 1)$$

Sequence: A122997
Score: 5.6501
Type of gen. func.: ogf

$$(f(x) - 3) (f(x) x^5 + f(x) x^4 + f(x) x^3 + x^4 + f(x) x^2 - 2 x^3 + f(x) x + x^2 - f(x) - 2 x + 1)$$

Sequence: A122997
Score: 9.90285
Type of gen. func.: ogf

$$- \frac{x^4 - 2 x^3 + x^2 - 2 x + 1}{x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A122999
Score: 15.7445
Type of gen. func.: revogf

$$\frac{-1 - x + (101 x^2 + 2 x + 1)^{1/2}}{50 x}$$

Sequence: A122999
Score: 16.5658
Type of gen. func.: ogf

$$- \frac{1}{25 x^2 + x - 1}$$

Sequence: A122999
Score: 25.0481
Type of gen. func.: lgdogf

$$- \frac{1 + 50 x}{}$$

$$25 x^2 + x - 1$$

Sequence: A122999
Score: 6.54926
Type of gen. func.: ogf

$$(701 f(x) - 700) (25 f(x) x^2 + f(x) x - f(x) + 1)$$

Sequence: A122999
Score: 6.78598
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 25 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A123003
Score: 7.42616
Type of gen. func.: lgdogf

$$- \frac{2304 x^5 - 6216 x^4 + 6508 x^3 - 3284 x^2 + 799 x - 75}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1) (24 x^2 - 29 x + 8)}$$

Sequence: A123003
Score: 7.47945
Type of gen. func.: ogf

$$\frac{24 x^2 - 29 x + 8}{(4 x - 1) (3 x - 1) (2 x - 1)^2 (x - 1)^2}$$

Sequence: A123004
Score: 15.9433
Type of gen. func.: ogf

$$- \frac{x}{25 x^2 + 2 x - 1}$$

Sequence: A123004
Score: 16.1235
Type of gen. func.: revogf

$$\frac{-1 - 2 x + (104 x^2 + 4 x + 1)^{1/2}}{50 x}$$

Sequence: A123004
Score: 22.9450
Type of gen. func.: lgdogf

$$- \frac{2 (1 + 25 x)}{25 x^2 + 2 x - 1}$$

Sequence: A123004
Score: 7.38834
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 25 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A123004
Score: 7.38835
Type of gen. func.: ogf

$$(2 f(x) + 1) (25 f(x) x^2 + 2 f(x) x - f(x) + x)$$

Sequence: A123005
Score: 10.3006
Type of gen. func.: ogf

$$-49 f(x) x^2 - 2 f(x) x + f(x) - x$$

Sequence: A123005
Score: 16.2642
Type of gen. func.: ogf

$$-\frac{x}{49 x^2 + 2 x - 1}$$

Sequence: A123005
Score: 16.4569
Type of gen. func.: revogf

$$\frac{-1 - 2 x + (200 x^2 + 4 x + 1)^{1/2}}{98 x}$$

Sequence: A123005
Score: 23.4194
Type of gen. func.: lgdogf

$$-\frac{2 (1 + 49 x)}{49 x^2 + 2 x - 1}$$

Sequence: A123005
Score: 7.53705
Type of gen. func.: ogf

$\{-a(n + 2) + 2 a(n + 1) + 49 a(n), a(0) = 0, a(1) = 1\}$

Sequence: A123006
Score: 14.4957
Type of gen. func.: ogf

$$-\frac{x}{121 x^2 + 2 x - 1}$$

Sequence: A123006
Score: 14.6447
Type of gen. func.: revogf

$$\frac{-1 - 2 x + (488 x^2 + 4 x + 1)^{1/2}}{242 x}$$

Sequence: A123006
Score: 19.8750
Type of gen. func.: lgdogf

$$-\frac{2(1+121x)}{121x^2+2x-1}$$

Sequence: A123006
Score: 6.81123
Type of gen. func.: ogf

$$\{-a(n+2)+2a(n+1)+121a(n), a(0)=0, a(1)=1\}$$

Sequence: A123006
Score: 9.26774
Type of gen. func.: ogf

$$-121 f(x) x^2 - 2 f(x) x + f(x) - x$$

Sequence: A123007
Score: 13.4478
Type of gen. func.: ogf

$$-\frac{x+1}{9x^2+2x-1}$$

Sequence: A123007
Score: 14.4538
Type of gen. func.: revogf

$$\frac{-1-2x+(40x^2+8x+1)^{1/2}}{2(1+9x)}$$

Sequence: A123007

Score: 16.4613
Type of gen. func.: lgdogf

$$-\frac{3\,(3\,x^{2}+6\,x+1)}{(x+1)\,(9\,x^{2}+2\,x-1)}$$

Sequence: A123007
Score: 6.95575
Type of gen. func.: ogf

$$(34\,f(x)-25)\,(9\,f(x)\,x^{2}+2\,f(x)\,x-f(x)+x+1)$$

Sequence: A123007
Score: 7.37988
Type of gen. func.: ogf

$$\{-a(n+2)+2\,a(n+1)+9\,a(n),\ a(0)=1,\ a(1)=3\}$$

Sequence: A123008
Score: 13.1708
Type of gen. func.: ogf

$$-\frac{3\,x+1}{25\,x^{2}+2\,x-1}$$

Sequence: A123008
Score: 13.4928
Type of gen. func.: revogf

$$\frac{-1-2\,x+(104\,x^{2}+16\,x+1)^{1/2}}{2\,(3+25\,x)}$$

Sequence: A123008
Score: 14.4800
Type of gen. func.: lgdogf

2

$$-\frac{5\,(15\,x\ +10\,x+1)}{(3\,x+1)\,(25\,x^{2}+2\,x-1)}$$

Sequence: A123008
Score: 6.88477
Type of gen. func.: ogf

$$(74\,f(x)-49)\,(25\,f(x)\,x^{2}+2\,f(x)\,x-f(x)+3\,x+1)$$

Sequence: A123008
Score: 7.29951
Type of gen. func.: ogf

$$\{-a(n+2)+2\,a(n+1)+25\,a(n),\ a(0)=1,\ a(1)=5\}$$

Sequence: A123009
Score: 13.3505
Type of gen. func.: ogf

$$-\frac{5\,x+1}{49\,x^{2}+2\,x-1}$$

Sequence: A123009
Score: 13.6850
Type of gen. func.: revogf

$$\frac{-1-2\,x+(200\,x^{2}+24\,x+1)^{1/2}}{2\,(5+49\,x)}$$

Sequence: A123009
Score: 14.6864
Type of gen. func.: lgdogf

$$-\frac{7\,(35\,x^{2}+14\,x+1)}{(5\,x+1)\,(49\,x^{2}+2\,x-1)}$$

Sequence: A123009
Score: 6.90028
Type of gen. func.: ogf

$$(130 f(x) - 81) (49 f(x) x^2 + 2 f(x) x - f(x) + 5 x + 1)$$

Sequence: A123009
Score: 7.39910
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 49 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A123010
Score: 11.5954
Type of gen. func.: ogf

$$\frac{x^2 + 4 x - 1}{(x + 1) (5 x - 1)}$$

Sequence: A123010
Score: 15.5167
Type of gen. func.: lgdogf

$$- \frac{8 (2 x - 1) x}{(5 x - 1) (x + 1) (x^2 + 4 x - 1)}$$

Sequence: A123010
Score: 6.08471
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) + 5 a(n + 1), a(0) = 1, a(1) = 0, a(2) = 4\}$$

Sequence: A123010
Score: 8.65573
Type of gen. func.: ogf

$$5 f(x) x^2 + 4 f(x) x - x^2 - f(x) - 4 x + 1$$

Sequence: A123011
Score: 13.4184
Type of gen. func.: ogf

$$- \frac{3 x + 1}{5 x^2 + 2 x - 1}$$

Sequence: A123011
Score: 14.0742
Type of gen. func.: revogf

$$\frac{-1 - 2 x + (24 x^2 + 16 x + 1)^{1/2}}{2 (5 x + 3)}$$

Sequence: A123011
Score: 15.5557
Type of gen. func.: lgdogf

$$- \frac{5 (3 x^2 + 2 x + 1)}{(3 x + 1) (5 x^2 + 2 x - 1)}$$

Sequence: A123011
Score: 6.6355
Type of gen. func.: ogf

$$-(14 f(x) + 11) (5 f(x) x^2 + 2 f(x) x - f(x) + 3 x + 1)$$

Sequence: A123011
Score: 7.36378
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) - 5 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A123012
Score: 21.0987
Type of gen. func.: revogf

$$\frac{-1 - 2 x + (88 x^2 + 4 x + 1)^{1/2}}{42 x}$$

Sequence: A123012
Score: 22.7137
Type of gen. func.: ogf

$$-\frac{1}{21 x^2 + 2 x - 1}$$

Sequence: A123012
Score: 29.2136
Type of gen. func.: lgdogf

$$-\frac{2 (1 + 21 x)}{21 x^2 + 2 x - 1}$$

Sequence: A123012
Score: 8.77576
Type of gen. func.: ogf

$$-(23 f(x) - 21) (21 f(x) x^2 + 2 f(x) x - f(x) + 1)$$

Sequence: A123012
Score: 9.30441
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 21 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A123013
Score: 7.03615
Type of gen. func.: ogf

$$\frac{253 x^{4} + 1288 x^{3} + 506 x^{2} + 1}{x^{6} + 759 x^{4} + 2576 x^{3} + 759 x^{2} + 1}$$

Sequence: A123014
Score: 18.6710
Type of gen. func.: lgdegf]

$$- \frac{x^{4} + 1}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A123015
Score: 12.5584
Type of gen. func.: lgdogf

$$- \frac{3 x^{6} + 4 x^{5} + 4 x^{4} - 2 x^{3} - 2 x^{2} - 2 x - 2}{(x - 1) (x^{2} + x + 1) (x^{4} + x^{3} - 1)}$$

Sequence: A123015
Score: 14.0515
Type of gen. func.: ogf

$$\frac{x^{2} + x + 1}{(x - 1) (x^{4} + x^{3} - 1)}$$

Sequence: A123016
Score: 14.0540
Type of gen. func.: ogf

$$\frac{2 x^{2} - 3 x - 1}{(4 x + 1) (2 x - 1)}$$

Sequence: A123016

Score: 7.30255
Type of gen. func.: ogf

$$\{-a(n + 3) - 2 a(n + 2) + 8 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 4\}$$

Sequence: A123016
Score: 7.84062
Type of gen. func.: ogf

$$(-17 + 18 f(x)) (8 f(x) x^2 - 2 f(x) x - 2 x^2 - f(x) + 3 x + 1)$$

Sequence: A123020
Score: 10.5221
Type of gen. func.: ogf

$$- \frac{5 x^2 - 5 x + 1}{(2 x - 1) (x^2 - 4 x + 1)}$$

Sequence: A123020
Score: 5.73077
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 9 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A123020
Score: 5.78239
Type of gen. func.: ogf

$$(5 f(x) - 3) (2 f(x) x^3 - 9 f(x) x^2 + 6 f(x) x + 5 x^2 - f(x) - 5 x + 1)$$

Sequence: A123020
Score: 9.82521
Type of gen. func.: lgdogf

$$- \frac{10 x^4 - 20 x^3 + 21 x^2 - 8 x + 1}{(2 x - 1) (x^2 - 4 x + 1) (5 x^2 - 5 x + 1)}$$

Sequence: A123024
Score: 5.23023
Type of gen. func.: ogf

$$\{(-2 - n)\, a(n + 1) + a(n + 4) - a(n + 2),\ a(0) = 1,\ a(1) = 1,\ a(2) = 2,\ a(3) = 2\}$$

Sequence: A123026
Score: 3.30134
Type of gen. func.: ogf

$$\{(n^3 + 6 n^2 + 10 n + 4)\, a(n + 1) + (n^3 + 10 n^2 + 31 n + 28)\, a(n + 2) + (-2 - n)\, a(n + 3) + (-n - 4)\, a(n + 4),\ a(0) = 1,\ a(1) = 1,\ a(2) = -1,\ a(3) = 2\}$$

Sequence: A123050
Score: 4.80321
Type of gen. func.: ogf

$$-\frac{x^{16} + x^{15} + 2 x^{14} - x^{13} - x^{11} - 2 x^{10} - x^9 + x^7 + x^5 + x^3 + 2 x^2 + x + 1}{(x^2 + x + 1)\,(x^4 + 1)\,(x + 1)^2\,(x^2 + 1)^2\,(x - 1)^3}$$

Sequence: A123056
Score: 3.65307
Type of gen. func.: ogf

$$(1156897 f(x) - 12892)\,(f(x)\, x^4 - 40 f(x)\, x^3 + 206 f(x)\, x^2 - 4 x^3 - 40 f(x)\, x + 52 x^2 + f(x) - 4 x)$$

Sequence: A123056
Score: 6.93147
Type of gen. func.: ogf

$$\frac{4 x (x^2 - 13 x + 1)}{{}^{2} \qquad {}^{2}}$$

$$(x - 34 x + 1) (x - 6 x + 1)$$

Sequence: A123057
Score: 4.25933
Type of gen. func.: ogf

$$(1156897 f(x) - 25784) \left(f(x) x^4 - 40 f(x) x^3 + 206 f(x) x^2 - 8 x^3 - 40 f(x) x + 104 x^2 + f(x) - 8 x \right)$$

Sequence: A123057
Score: 8.03340
Type of gen. func.: ogf

$$\frac{8 x (x^2 - 13 x + 1)}{(x^2 - 34 x + 1) (x^2 - 6 x + 1)}$$

Sequence: A123068
Score: 15.8796
Type of gen. func.: ogf

$$-\frac{x (x^{31} - x^{30} - 1)}{(x - 1)^2}$$

Sequence: A123068
Score: 19.6584
Type of gen. func.: lgdogf

$$\frac{29 x^{31} - 59 x^{30} + 30 x^{29} + 2}{(x - 1) (x^{31} - x^{30} - 1)}$$

Sequence: A123072
Score: 4.26723
Type of gen. func.: ogf

$$\{(32 n^3 + 32 n^2 + 8 n) a(n) + (-16 n^3 - 80 n^2 - 134 n - 72) a(n + 1)$$

$$+ (n + 2) a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A123102
Score: 13.0129
Type of gen. func.: ogf

$$\frac{x - 1}{3 x^3 + x^2 + x - 1}$$

Sequence: A123102
Score: 16.5679
Type of gen. func.: lgdogf

$$- \frac{2 x (3 x^2 - 4 x - 1)}{(x - 1) (3 x^3 + x^2 + x - 1)}$$

Sequence: A123102
Score: 6.21335
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) - 3 a(n), a(0) = 1, a(1) = 0, a(2) = 1\}$$

Sequence: A123102
Score: 8.51459
Type of gen. func.: ogf

$$-3 f(x) x^3 - f(x) x^2 - f(x) x + f(x) + x - 1$$

Sequence: A123108
Score: 14.9091
Type of gen. func.: ogf

$$\frac{x^3 - x + 1}{^{2}}$$

$$(x + 1) (x - 1)$$

Sequence: A123108
Score: 26.3665
Type of gen. func.: lgdogf

$$-\frac{x (x^2 + x + 2)}{(x - 1) (x + 1) (x^3 - x + 1)}$$

Sequence: A123108
Score: 6.94239
Type of gen. func.: ogf

{-a(n + 4) + a(n + 3) + a(n + 2) - a(n + 1), a(0) = 1, a(1) = 0, a(2) = 1,

a(3) = 1}

Sequence: A123108
Score: 8.49957
Type of gen. func.: ogf

$$-f(x) (f(x) x^3 - f(x) x^2 - x^3 - f(x) x + f(x) + x - 1)$$

Sequence: A123109
Score: 12.4177
Type of gen. func.: ogf

$$\frac{3 x^2 - x + 1}{(3 x - 1) (x - 1)}$$

Sequence: A123109
Score: 16.5411
Type of gen. func.: lgdogf

$$-\frac{3 (3 x^2 - 1)}{(x - 1) (3 x - 1) (3 x^2 - x + 1)}$$

Sequence: A123109
Score: 6.38967
Type of gen. func.: ogf

$$\{-a(n+3) + 4\,a(n+2) - 3\,a(n+1),\ a(0) = 1,\ a(1) = 3,\ a(2) = 12\}$$

Sequence: A123109
Score: 9.26951
Type of gen. func.: ogf

$$-3\,f(x)\,x^2 + 4\,f(x)\,x + 3\,x^2 - f(x) - x + 1$$

Sequence: A123111
Score: 4.13746
Type of gen. func.: ogf

$$-\frac{x^7 - 9\,x^6 - 127\,x^5 - 1227\,x^4 - 2317\,x^3 - 1223\,x^2 - 133\,x - 5}{(x-1)^8}$$

Sequence: A123115
Score: 3.51557
Type of gen. func.: ogf

$$-(4627588\,f(x) + 341839)\,(f(x)\,x^4 - 40\,f(x)\,x^3 + 206\,f(x)\,x^2 - 2\,x^3 - 40\,f(x)\,x - 16\,x^2 + f(x) - 2\,x)$$

Sequence: A123115
Score: 6.89592
Type of gen. func.: ogf

$$\frac{2\,x\,(x^2 + 8\,x + 1)}{(x^2 - 34\,x + 1)\,(x^2 - 6\,x + 1)}$$

Sequence: A123116
Score: 4.14797
Type of gen. func.: ogf

$$-(2313794 f(x) + 341839) (f(x) x^4 - 40 f(x) x^3 + 206 f(x) x^2 - 4 x^3 - 40 f(x) x - 32 x^2 + f(x) - 4 x)$$

Sequence: A123116
Score: 8.13640
Type of gen. func.: ogf

$$\frac{4 x (x^2 + 8 x + 1)}{(x^2 - 34 x + 1) (x^2 - 6 x + 1)}$$

Sequence: A123121
Score: 15.8413
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 - x + 1) (x^6 - x^3 + 1)}{(2 x - 1) (x - 1)}$$

Sequence: A123121
Score: 9.61517
Type of gen. func.: lgdogf

$$\frac{14 x^{10} - 24 x^9 + 9 x^8 - 4 x + 3}{(x - 1) (2 x - 1) (x + 1) (x^2 - x + 1) (x^6 - x^3 + 1)}$$

Sequence: A123122
Score: 7.74505
Type of gen. func.: lgdogf

$$(10 x^{12} - 21 x^{11} + 11 x^{10} + 6 x^8 - 8 x^7 - 4 x^6 + 9 x^5 - 5 x^4 + x^3 - 3 x^2 - x + 7) / ((x - 1) (x^{12} - x^{11} + x^8 - x^6 + x^5 + x^3 - x^2 + 3 x - 5))$$

Sequence: A123122
Score: 8.29847
Type of gen. func.: ogf

$$-\frac{x\left(x^{12}-x^{11}+x^{8}-x^{6}+x^{5}+x^{3}-x^{2}+3x-5\right)}{(x-1)^{2}}$$

Sequence: A123126
Score: 4.55035
Type of gen. func.: ogf

$$-\frac{10x^{9}+9x^{8}+16x^{7}+21x^{6}+18x^{5}-30x^{4}+4x^{3}-3x^{2}-1}{x^{10}+x^{9}+2x^{8}+3x^{7}+3x^{6}-6x^{5}+x^{4}-x^{3}-x+1}$$

Sequence: A123127
Score: 5.24175
Type of gen. func.: ogf

$$-\frac{10x^{9}-9x^{8}-7x^{6}+6x^{5}-30x^{4}+12x^{3}+9x^{2}+4x+1}{x^{10}-x^{9}-x^{7}+x^{6}-6x^{5}+3x^{4}+3x^{3}+2x^{2}+x+1}$$

Sequence: A123130
Score: 12.7810
Type of gen. func.: lgdegf]

$$-\frac{48x-7+2(1-6x)^{1/2}}{(8x-1)(6x-1)}$$

Sequence: A123130
Score: 16.9039
Type of gen. func.: revegf]

$$1/8-3/8\exp(-4x)+1/4\exp(-2x)$$

Sequence: A123130
Score: 5.69266
Type of gen. func.: egf]

$$-48 f(x)^2 x^2 + 14 f(x)^2 x - f(x)^2 - 24 f(x) x + 4 f(x) - 3$$

Sequence: A123138
Score: 12.2560
Type of gen. func.: revegf]

$$-\ln(777156) + \ln(513642 + x + (x^2 + 1027284 x + 69439628196)^{1/2})$$

Sequence: A123138
Score: 13.1639
Type of gen. func.: lgdogf

$$-\frac{85607 x^2 + 87838 x + 85607}{(x - 1) (85607 x + 43919) (x + 1)}$$

Sequence: A123138
Score: 14.2050
Type of gen. func.: ogf

$$-\frac{6 (85607 x + 43919)}{(x - 1) (x + 1)}$$

Sequence: A123138
Score: 7.96104
Type of gen. func.: ogf

$$(43919 f(x) + 10412403981) (f(x) x^2 - f(x) + 513642 x + 263514)$$

Sequence: A123138
Score: 9.78995
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 263514, a(1) = 513642\}$$

Sequence: A123151
Score: 3.96324
Type of gen. func.: egf]

$$\{(n^2 + 9 n + 22) a(n + 1) + (-2 n^3 - 18 n^2 - 52 n - 48) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 7/6\}$$

Sequence: A123164
Score: 7.29415
Type of gen. func.: ogf

$$-f(x)^2 x^2 + 6 f(x)^2 x + f(x) x^2 - f(x)^2 - 6 f(x) x + f(x) + 2 x$$

Sequence: A123166
Score: 10.4080
Type of gen. func.: lgdogf

$$-\frac{17 x^2 - 10 x + 2}{(x - 1) (4 x - 1) (x^2 + 3 x - 1)}$$

Sequence: A123166
Score: 13.1372
Type of gen. func.: ogf

$$4 f(x) x^2 - 5 f(x) x + x^2 + f(x) + 3 x - 1$$

Sequence: A123166
Score: 4.50709
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 4 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A123166
Score: 8.67402

Type of gen. func.: ogf

$$-\frac{x^2 + 3 x - 1}{(4 x - 1) (x - 1)}$$

Sequence: A123167
Score: 13.3338
Type of gen. func.: ogf

$$\frac{x^3 + 6 x^2 + 3 x + 2}{(x + 1)^2 (x - 1)^2}$$

Sequence: A123167
Score: 14.9156
Type of gen. func.: lgdogf

$$-\frac{x^4 + 12 x^3 + 12 x^2 + 20 x + 3}{(x - 1) (x + 1) (x^3 + 6 x^2 + 3 x + 2)}$$

Sequence: A123167
Score: 7.95136
Type of gen. func.: ogf

$$-(192 f(x) + 541) (f(x) x^4 - 2 f(x) x^2 - x^3 - 6 x^2 + f(x) - 3 x - 2)$$

Sequence: A123168
Score: 11.2398
Type of gen. func.: ogf

$$\frac{x (2 x^3 + 3 x^2 + 6 x + 1)}{(x + 1)^2 (x - 1)^2}$$

Sequence: A123168
Score: 12.9384

Type of gen. func.: lgdogf

$$-\frac{2\,(x^4 + 3\,x^3 + 12\,x^2 + 5\,x + 3)}{(x - 1)\,(x + 1)\,(2\,x^3 + 3\,x^2 + 6\,x + 1)}$$

Sequence: A123168
Score: 6.86323
Type of gen. func.: ogf

$$-(128\,f(x) + 239)\,(f(x)\,x^4 - 2\,x^4 - 2\,f(x)\,x^2 - 3\,x^3 - 6\,x^2 + f(x) - x)$$

Sequence: A123169
Score: 12.2973
Type of gen. func.: ogf

$$\frac{2\,x\,(x^3 + 6\,x^2 + 3\,x + 2)}{(x + 1)^2\,(x - 1)^2}$$

Sequence: A123169
Score: 14.8883
Type of gen. func.: lgdogf

$$-\frac{x^4 + 12\,x^3 + 12\,x^2 + 20\,x + 3}{(x - 1)\,(x + 1)\,(x^3 + 6\,x^2 + 3\,x + 2)}$$

Sequence: A123169
Score: 4.26145
Type of gen. func.: ogf

$$\{(-2\,n^2 - 3\,n)\,a(n) + (-4\,n^2 - 18\,n - 20)\,a(n + 1) + (2\,n^2 - n)\,a(n + 2)$$
$$+ (4\,n^2 + 10\,n + 4)\,a(n + 3),\ a(0) = 0,\ a(1) = 4,\ a(2) = 6\}$$

Sequence: A123169

Score: 7.61782
Type of gen. func.: ogf

$$-(32 f(x) - 259) (f(x) x^{4} - 2 x^{4} - 2 f(x) x^{2} - 12 x^{3} - 6 x^{2} + f(x) - 4 x)$$

Sequence: A123183
Score: 10.4339
Type of gen. func.: ogf

$$3 f(x) x^{2} - 4 f(x) x + x^{2} + f(x) - 3 x + 1$$

Sequence: A123183
Score: 13.9775
Type of gen. func.: ogf

$$-\frac{x^{2} - 3 x + 1}{(3 x - 1) (x - 1)}$$

Sequence: A123183
Score: 21.1536
Type of gen. func.: lgdogf

$$\frac{5 x^{2} - 4 x + 1}{(x - 1) (3 x - 1) (x^{2} - 3 x + 1)}$$

Sequence: A123183
Score: 7.26280
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 3 a(n + 1), a(0) = -1, a(1) = -1, a(2) = -2\}$$

Sequence: A123184
Score: 6.21331
Type of gen. func.: ogf

$$-\frac{3 x^{4} + 9 x^{3} - 29 x^{2} + 12 x - 1}{}$$

$$(x - 1) (x^4 - 3 x^3 - 27 x^2 + 12 x - 1)$$

Sequence: A123188
Score: 5.19623
Type of gen. func.: ogf

$$(9 f(x) + 2) (4 f(x) x^4 - 6 f(x) x^3 - 8 f(x) x^2 + 4 x^3 + 5 f(x) x + 6 x^2 + f(x) - 5 x - 1)$$

Sequence: A123188
Score: 9.24523
Type of gen. func.: ogf

$$- \frac{4 x^3 + 6 x^2 - 5 x - 1}{4 x^4 - 6 x^3 - 8 x^2 + 5 x + 1}$$

Sequence: A123189
Score: 11.9038
Type of gen. func.: ogf

$$- \frac{2 x - 1}{4 x^3 - 3 x^2 - 3 x + 1}$$

Sequence: A123189
Score: 12.1181
Type of gen. func.: lgdogf

$$- \frac{16 x^3 - 18 x^2 + 6 x + 1}{(2 x - 1) (4 x^3 - 3 x^2 - 3 x + 1)}$$

Sequence: A123189
Score: 5.63303
Type of gen. func.: ogf

$$-(2355 f(x) - 512) (4 f(x) x^3 - 3 f(x) x^2 - 3 f(x) x + f(x) + 2 x - 1)$$

Sequence: A123189
Score: 5.63304
Type of gen. func.: ogf

{-a(n + 3) + 3 a(n + 2) + 3 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 1, a(2) = 6}

Sequence: A123190
Score: 4.69286
Type of gen. func.: ogf

$$-(731 f(x) + 274) (108 f(x) x^4 - 30 f(x) x^3 - 34 f(x) x^2 + 12 x^3 + 4 f(x) x + 28 x^2 + f(x) - 4 x - 1)$$

Sequence: A123190
Score: 8.53760
Type of gen. func.: ogf

$$-\frac{12 x^3 + 28 x^2 - 4 x - 1}{108 x^4 - 30 x^3 - 34 x^2 + 4 x + 1}$$

Sequence: A123194
Score: 8.52519
Type of gen. func.: ogf

$$-\frac{3 x^4 + 6 x^3 - 5 x^2 - 5 x + 4}{(x - 1) (x^2 + x - 1)^2}$$

Sequence: A123194
Score: 9.49539
Type of gen. func.: lgdogf

$$3 x^6 + 9 x^5 - 6 x^4 - 9 x^3 + 2 x^2 + 11 x - 7$$

$$-\frac{\qquad}{(x-1)\,(x^2+x-1)\,(3x^4+6x^3-5x^2-5x+4)}$$

Sequence: A123197
Score: 17.2009
Type of gen. func.: lgdogf

$$-\frac{6\,(x^3+34x^2+41x+4)}{(x-1)\,(3x^3+65x^2+29x-1)}$$

Sequence: A123197
Score: 4.33231
Type of gen. func.: ogf

$$\{(-706n^2-4783n-7995)\,a(n+1)+(312n^2-1484n-6688)\,a(n+2)$$
$$+(394n^2+1867n+2055)\,a(n+3),\ a(0)=-1,\ a(1)=24,\ a(2)=195\}$$

Sequence: A123197
Score: 9.78421
Type of gen. func.: ogf

$$-\frac{3x^3+65x^2+29x-1}{(x-1)^5}$$

Sequence: A123198
Score: 13.5297
Type of gen. func.: lgdogf

$$-\frac{2\,(25x^3+144x^2+69x+2)}{(x-1)\,(25x^3+71x^2-x+1)}$$

Sequence: A123198
Score: 3.62327
Type of gen. func.: ogf

$$\{(1730 n^2 + 10385 n + 15585) a(n + 1) + (-1744 n^2 - 3480 n + 460) a(n + 2) + (14 n^2 - 41 n - 249) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 81\}$$

Sequence: A123198
Score: 8.06076
Type of gen. func.: ogf

$$-\frac{25 x^3 + 71 x^2 - x + 1}{(x - 1)^5}$$

Sequence: A123203
Score: 10.9284
Type of gen. func.: ogf

$$-\frac{4 x^2 - 2 x + 1}{(2 x - 1) (x - 1)^2}$$

Sequence: A123203
Score: 15.5483
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^3 - 1)}{(x - 1) (2 x - 1) (4 x^2 - 2 x + 1)}$$

Sequence: A123203
Score: 5.89942
Type of gen. func.: ogf

$$(73 f(x) - 40) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x + 4 x^2 - f(x) - 2 x + 1)$$

Sequence: A123203
Score: 5.95210

Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 2, a(2) = 7\}$$

Sequence: A123208
Score: 11.6342
Type of gen. func.: ogf

$$-\frac{x^3 - 3 x^2 - 3 x - 1}{(x - 1) (x + 1) (2 x^2 - 1)}$$

Sequence: A123208
Score: 7.79609
Type of gen. func.: ogf

$$-f(x) (2 f(x) x^4 - 3 f(x) x^2 + x^3 - 3 x^2 + f(x) - 3 x - 1)$$

Sequence: A123208
Score: 9.15389
Type of gen. func.: lgdogf

$$-\frac{2 x^6 - 12 x^5 - 15 x^4 - 8 x^3 + 6 x^2 + 12 x + 3}{(x - 1) (x + 1) (2 x^2 - 1) (x^3 - 3 x^2 - 3 x - 1)}$$

Sequence: A123219
Score: 5.19524
Type of gen. func.: ogf

$$-\frac{x^4 + 52 x^3 - 122 x^2 - 28 x + 1}{(x - 1) (x^2 - 34 x + 1) (x^2 + 6 x + 1)}$$

Sequence: A123220
Score: 6.99888
Type of gen. func.: ogf

$$-\frac{136 x^4 - 144 x^3 + 60 x^2 - 12 x + 1}{(3 x - 1) (176 x^4 - 168 x^3 + 64 x^2 - 12 x + 1)}$$

Sequence: A123222
Score: 5.22745
Type of gen. func.: ogf

$$-(31 f(x) - 69) (9 f(x) x^4 - 8 f(x) x^3 + 3 x^3 + 4 f(x) x - 3 x^2 - f(x) - x + 1)$$

Sequence: A123222
Score: 8.31892
Type of gen. func.: lgdogf

$$-\frac{27 x^6 - 54 x^5 - 3 x^4 + 28 x^3 - 3 x^2 - 6 x + 3}{(x - 1) (3 x^2 - 1) (9 x^4 - 8 x^3 + 4 x - 1)}$$

Sequence: A123222
Score: 9.47004
Type of gen. func.: ogf

$$-\frac{(x - 1) (3 x^2 - 1)}{9 x^4 - 8 x^3 + 4 x - 1}$$

Sequence: A123224
Score: 3.34306
Type of gen. func.: ogf

$$\{(-7 n - 30) a(n + 1) + (98 n + 413) a(n + 2) + (-98 n - 329) a(n + 3) + (7 n + 23) a(n + 4), a(0) = 1, a(1) = 4, a(2) = 35, a(3) = 428\}$$

Sequence: A123224
Score: 4.64439
Type of gen. func.: ogf

$$(1186971660 f(x) + 22750397)$$

$$(f(x)\, x^4 - 15\, f(x)\, x^3 + 28\, f(x)\, x^2 - 15\, f(x)\, x - 3\, x^2 + f(x) + 11\, x - 1)$$

Sequence: A123224
Score: 9.47964
Type of gen. func.: ogf

$$\frac{3\, x^2 - 11\, x + 1}{(x^2 - 13\, x + 1)\, (x - 1)^2}$$

Sequence: A123228
Score: 5.92053
Type of gen. func.: lgdogf

$$- (7\, x^8 + 160\, x^7 + 948\, x^6 + 2784\, x^5 + 5578\, x^4 + 2784\, x^3 + 948\, x^2 + 160\, x + 7) \Big/ ((x + 1)\, (7\, x^4 + 80\, x^3 + 142\, x^2 + 32\, x + 3)\, (x^4 + 12\, x^3 + 62\, x^2 + 12\, x + 1))$$

Sequence: A123228
Score: 7.29246
Type of gen. func.: ogf

$$\frac{2\, (7\, x^4 + 80\, x^3 + 142\, x^2 + 32\, x + 3)}{(x + 1)\, (x^4 + 12\, x^3 + 62\, x^2 + 12\, x + 1)}$$

Sequence: A123231
Score: 14.2068
Type of gen. func.: ogf

$$- \frac{x^3 + 2\, x + 1}{x^4 + x^2 - 1}$$

Sequence: A123231
Score: 14.7063
Type of gen. func.: lgdogf

$$-\frac{x^6+5x^4+4x^3+5x^2+2x+2}{(x^3+2x+1)(x^4+x^2-1)}$$

Sequence: A123231
Score: 8.26315
Type of gen. func.: ogf

$$-(10 f(x)-1)(f(x) x^4+f(x) x^2+x^3-f(x)+2x+1)$$

Sequence: A123236
Score: 5.88888
Type of gen. func.: ogf

$$-\frac{150x^3-23x^2-9x+1}{2400x^5-240x^4-370x^3+44x^2+10x-1}$$

Sequence: A123251
Score: 7.94085
Type of gen. func.: lgdogf

$$-\frac{x^{10}-2x^9+12x^8-4x^7+22x^6+48x^4+4x^3+9x^2+2x+4}{(x-1)(x+1)(x^7-x^6+4x^5-x^4+3x^3+x^2+4x+1)(x^2+1)}$$

Sequence: A123251
Score: 9.51375
Type of gen. func.: ogf

$$\frac{x^7-x^6+4x^5-x^4+3x^3+x^2+4x+1}{(x^2+1)^2(x-1)^2(x+1)^2}$$

Sequence: A123259
Score: 7.13081
Type of gen. func.: ogf

$$\frac{7 x^4 + 80 x^3 + 142 x^2 + 32 x + 3}{(x + 1) (x^4 + 12 x^3 + 62 x^2 + 12 x + 1)}$$

Sequence: A123268
Score: 5.72422
Type of gen. func.: ogf

$$\frac{4 x (2 x^2 - 73 x + 2)}{(x^2 - 14 x + 1) (x^2 - 194 x + 1)}$$

Sequence: A123270
Score: 13.6693
Type of gen. func.: ogf

$$\frac{4 x - 1}{4 x^2 + 5 x - 1}$$

Sequence: A123270
Score: 15.0688
Type of gen. func.: revogf

$$\frac{-1 - 5 x + (41 x^2 - 6 x + 1)^{1/2}}{8 (x - 1)}$$

Sequence: A123270
Score: 15.8619
Type of gen. func.: lgdogf

$$- \frac{16 x^2 - 8 x - 1}{(4 x - 1) (4 x^2 + 5 x - 1)}$$

Sequence: A123270
Score: 7.07032
Type of gen. func.: ogf

$$(85 f(x) - 84) (4 f(x) x^2 + 5 f(x) x - f(x) - 4 x + 1)$$

Sequence: A123270
Score: 7.50143
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A123278
Score: 4.39293
Type of gen. func.: ogf

$$(67441352 f(x) + 1419191) (f(x) x^4 - 108 f(x) x^3 + 982 f(x) x^2 - 6 x^3 - 108 f(x) x + 148 x^2 + f(x) - 6 x)$$

Sequence: A123278
Score: 8.35200
Type of gen. func.: ogf

$$\frac{2 x (3 x^2 - 74 x + 3)}{(x^2 - 98 x + 1) (x^2 - 10 x + 1)}$$

Sequence: A123282
Score: 5.74061
Type of gen. func.: ogf

$$\frac{8 x (2 x^2 - 73 x + 2)}{(x^2 - 14 x + 1) (x^2 - 194 x + 1)}$$

Sequence: A123283
Score: 5.00629
Type of gen. func.: ogf

$$\frac{4 x (3 x^2 - 74 x + 3)}{(x^2 - 98 x + 1) (x^2 - 10 x + 1)}$$

Sequence: A123290
Score: 10.1145
Type of gen. func.: ogf

$$-\frac{2 (4 x^2 - 3 x + 1)}{(2 x - 1) (4 x - 1) (x - 1)}$$

Sequence: A123290
Score: 5.45303
Type of gen. func.: ogf

$$(107 f(x) - 28) (8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x + 8 x^2 - f(x) - 6 x + 2)$$

Sequence: A123290
Score: 5.50086
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 8 a(n), a(0) = 2, a(1) = 8, a(2) = 36\}$$

Sequence: A123290
Score: 9.03759
Type of gen. func.: lgdogf

$$-\frac{2 (16 x^4 - 24 x^3 + 19 x^2 - 10 x + 2)}{(x - 1) (2 x - 1) (4 x - 1) (4 x^2 - 3 x + 1)}$$

Sequence: A123293
Score: 15.1856
Type of gen. func.: lgdogf

$$-\frac{4}{x-1}$$

Sequence: A123293
Score: 2.57527
Type of gen. func.: ogf

$$\frac{128 x^2}{(x-1)^4}$$

Sequence: A123296
Score: 10.5603
Type of gen. func.: ogf

$$f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 25 x$$

Sequence: A123296
Score: 10.9738
Type of gen. func.: ogf

$$-\frac{25 x}{(x-1)^3}$$

Sequence: A123296
Score: 4.46723
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 25, a(2) = 75\}$$

Sequence: A123296
Score: 54.9438
Type of gen. func.: lgdogf

$$-\frac{3}{x-1}$$

Sequence: A123304
Score: 5.09255
Type of gen. func.: ogf

$$-(707 f(x) + 26007)$$
$$(2 f(x) x^4 - f(x) x^3 - 9 f(x) x^2 + x^3 - 5 f(x) x + 18 x^2 + f(x) + 15 x - 4)$$

Sequence: A123304
Score: 6.15976
Type of gen. func.: lgdogf

$$-\frac{2 x^6 + 72 x^5 + 81 x^4 - 52 x^3 - 36 x^2 + 36 x + 5}{(x + 1) (2 x^3 - 3 x^2 - 6 x + 1) (x^3 + 18 x^2 + 15 x - 4)}$$

Sequence: A123304
Score: 9.60492
Type of gen. func.: ogf

$$-\frac{x^3 + 18 x^2 + 15 x - 4}{(x + 1) (2 x^3 - 3 x^2 - 6 x + 1)}$$

Sequence: A123330
Score: 12.0040
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^3 + 2 x^2 - x - 2}{x^4 + x^2 + 1}$$

Sequence: A123332
Score: 10.0084
Type of gen. func.: lgdegf]

$$-16 x + 5 + 2 (1 - 2 x)^{1/2}$$

$$(8 x - 3) (2 x - 1)$$

Sequence: A123332
Score: 5.43256
Type of gen. func.: egf]

$$8 f(x)^2 x^3 - 12 f(x)^2 x^2 + 6 f(x)^2 x + 16 f(x) x^2 - f(x)^2 - 16 f(x) x + 4 f(x) + 8 x - 3$$

Sequence: A123335
Score: 16.7121
Type of gen. func.: ogf

$$-\frac{x + 1}{x^2 - 2 x - 1}$$

Sequence: A123335
Score: 25.4780
Type of gen. func.: lgdogf

$$-\frac{x^2 + 2 x - 1}{(x + 1) (x^2 - 2 x - 1)}$$

Sequence: A123335
Score: 8.35604
Type of gen. func.: ogf

$$-(10 f(x) - 9) (f(x) x^2 - 2 f(x) x - f(x) + x + 1)$$

Sequence: A123335
Score: 9.17127
Type of gen. func.: ogf

$$\{a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = -1\}$$

Sequence: A123336
Score: 3.36444
Type of gen. func.: ogf

$$(11210 f(x) - 1831)$$

$$(f(x) x^4 - 18 f(x) x^3 + 58 f(x) x^2 - 3 x^3 - 18 f(x) x + 22 x^2 + f(x) - 3 x)$$

Sequence: A123336
Score: 5.73469
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^5 - 60 x^4 + 402 x^3 - 692 x^2 + 171 x - 16)}{(x^2 - 14 x + 1) (3 x^2 - 22 x + 3) (x^2 - 4 x + 1)}$$

Sequence: A123336
Score: 6.29194
Type of gen. func.: ogf

$$\frac{x (3 x^2 - 22 x + 3)}{(x^2 - 14 x + 1) (x^2 - 4 x + 1)}$$

Sequence: A123344
Score: 15.8508
Type of gen. func.: ogf

$$-2 f(x) x - f(x) + 3 x + 1$$

Sequence: A123344
Score: 19.2781
Type of gen. func.: ogf

$$\frac{3 x + 1}{2 x + 1}$$

Sequence: A123344
Score: 22.2131

Type of gen. func.: revogf

$$- 1/6 + x/3 + \frac{(4 x^2 + 8 x + 1)^{1/2}}{6}$$

Sequence: A123344
Score: 44.4262
Type of gen. func.: lgdogf

$$\frac{1}{(2 x + 1) (3 x + 1)}$$

Sequence: A123344
Score: 9.90678
Type of gen. func.: ogf

$$\{a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = 1\}$$

Sequence: A123347
Score: 2.93076
Type of gen. func.: ogf

$$- \frac{x + 1}{2 x^2 + 4 x - 1}$$

Sequence: A123347
Score: 8.83319
Type of gen. func.: ogf

$$(24 f(x) + 1) (2 f(x) x^2 + 4 f(x) x - f(x) + x + 1)$$

Sequence: A123348
Score: 14.8033
Type of gen. func.: ogf

$$-2 f(x) x^2 - 4 f(x) x + f(x) - 3 x$$

Sequence: A123348
Score: 3.43484
Type of gen. func.: ogf

$$-\frac{3x}{2x^2+4x-1}$$

Sequence: A123348
Score: 5.44977
Type of gen. func.: lgdogf

$$-\frac{4(x+1)}{2x^2+4x-1}$$

Sequence: A123350
Score: 13.7081
Type of gen. func.: lgdogf

$$-\frac{2x^4+15x^2+10x+3}{(x-1)(2x^4-4x^3+9x^2-2x+1)}$$

Sequence: A123350
Score: 7.94402
Type of gen. func.: ogf

$$-\frac{2x^4-4x^3+9x^2-2x+1}{(x-1)^5}$$

Sequence: A123357
Score: 8.60519
Type of gen. func.: ogf

$$-(82 f(x) - 1) (8 f(x) x^2 - 8 f(x) x + f(x) + 2 x - 1)$$

Sequence: A123358
Score: 9.8443
Type of gen. func.: ogf

$$-(21 f(x) - 5) (25 f(x) x^2 - 15 f(x) x + f(x) + 5 x - 1)$$

Sequence: A123362
Score: 13.2606
Type of gen. func.: ogf

$$\frac{5 x - 1}{5 x^2 + 6 x - 1}$$

Sequence: A123362
Score: 14.2573
Type of gen. func.: revogf

$$\frac{-1 - 6 x + (56 x^2 - 8 x + 1)^{1/2}}{10 (x - 1)}$$

Sequence: A123362
Score: 14.9884
Type of gen. func.: lgdogf

$$-\frac{25 x^2 - 10 x - 1}{(5 x - 1) (5 x^2 + 6 x - 1)}$$

Sequence: A123362
Score: 6.70479
Type of gen. func.: ogf

$$(126 f(x) - 125) (5 f(x) x^2 + 6 f(x) x - f(x) - 5 x + 1)$$

Sequence: A123362
Score: 7.27715

Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) + 5 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A123363
Score: 12.6880
Type of gen. func.: lgdogf

$$-\frac{2 (9 x^4 + 12 x^3 + 22 x^2 + 4 x + 1)}{(x - 1) (x + 1) (9 x^3 - x^2 + 5 x - 1)}$$

Sequence: A123363
Score: 9.08733
Type of gen. func.: ogf

$$\frac{9 x^3 - x^2 + 5 x - 1}{(x + 1) (x - 1)^4}$$

Sequence: A123377
Score: 5.02899
Type of gen. func.: ogf

$$\frac{2 x (5 x^2 - 242 x + 5)}{(x^2 - 18 x + 1) (x^2 - 322 x + 1)}$$

Sequence: A123378
Score: 4.87755
Type of gen. func.: ogf

$$\frac{12 x (5 x^2 - 541 x + 5)}{(x^2 - 38 x + 1) (x^2 - 1442 x + 1)}$$

Sequence: A123379
Score: 5.08815

Type of gen. func.: ogf

$$\frac{4 x (5 x^2 - 242 x + 5)}{(x^2 - 18 x + 1) (x^2 - 322 x + 1)}$$

Sequence: A123380
Score: 4.82215
Type of gen. func.: ogf

$$\frac{24 x (5 x^2 - 541 x + 5)}{(x^2 - 38 x + 1) (x^2 - 1442 x + 1)}$$

Sequence: A123381
Score: 5.17446
Type of gen. func.: ogf

$$\frac{8 x (5 x^2 - 242 x + 5)}{(x^2 - 18 x + 1) (x^2 - 322 x + 1)}$$

Sequence: A123385
Score: 4.65874
Type of gen. func.: ogf

$$\{(n^2 + 8 n + 16) a(n + 1) - a(n + 2), a(0) = 2, a(1) = 18\}$$

Sequence: A123392
Score: 13.3923
Type of gen. func.: ogf

$$- \frac{x^3}{x^4 + 2 x^3 + 2 x^2 + x - 1}$$

Sequence: A123392

Score: 16.0522
Type of gen. func.: lgdogf

$$-\frac{(2x+1)(2x^2+2x+1)}{x^4+2x^3+2x^2+x-1}$$

Sequence: A123392
Score: 7.16961
Type of gen. func.: ogf

$$-f(x)x^4-2f(x)x^3-2f(x)x^2-x^3-f(x)x+f(x)$$

Sequence: A123393
Score: 4.71215
Type of gen. func.: ogf

$$\frac{8x(4x^2-337x+4)}{(x^2-30x+1)(x^2-898x+1)}$$

Sequence: A123394
Score: 4.71215
Type of gen. func.: ogf

$$\frac{16x(4x^2-337x+4)}{(x^2-30x+1)(x^2-898x+1)}$$

Sequence: A123395
Score: 4.91135
Type of gen. func.: ogf

$$\frac{3x(9x^2-382x+9)}{(x^2-16x+1)(x^2-254x+1)}$$

Sequence: A123397
Score: 4.65956
Type of gen. func.: ogf

$$\frac{4 x (9 x^2 - 866 x + 9)}{(x^2 - 34 x + 1) (x^2 - 1154 x + 1)}$$

Sequence: A123464
Score: 6.44725
Type of gen. func.: lgdogf

$$- \frac{2}{2 x - 1}$$

Sequence: A123478
Score: 12.9363
Type of gen. func.: ogf

$$- \frac{48}{(x - 1) (x^2 - 254 x + 1)}$$

Sequence: A123478
Score: 15.8056
Type of gen. func.: lgdogf

$$- \frac{3 (x^2 - 170 x + 85)}{(x - 1) (x^2 - 254 x + 1)}$$

Sequence: A123478
Score: 4.68557
Type of gen. func.: ogf

$\{a(n + 3) - 255 a(n + 2) + 255 a(n + 1) - a(n), a(0) = 48, a(1) = 12240,$

$a(2) = 3108960\}$

Sequence: A123478

Score: 5.17451
Type of gen. func.: ogf

$$(594588709 f(x) - 5232) (f(x) x^3 - 255 f(x) x^2 + 255 f(x) x - f(x) + 48)$$

Sequence: A123479
Score: 13.6152
Type of gen. func.: ogf

$$- \frac{20}{(x - 1) (x^2 - 98 x + 1)}$$

Sequence: A123479
Score: 16.8146
Type of gen. func.: lgdogf

$$- \frac{3 (x^2 - 66 x + 33)}{(x - 1) (x^2 - 98 x + 1)}$$

Sequence: A123479
Score: 4.87046
Type of gen. func.: ogf

$$\{a(n + 3) - 99 a(n + 2) + 99 a(n + 1) - a(n), a(0) = 20, a(1) = 1980, a(2) = 194040\}$$

Sequence: A123479
Score: 5.3488
Type of gen. func.: ogf

$$(92208103 f(x) - 5900) (f(x) x^3 - 99 f(x) x^2 + 99 f(x) x - f(x) + 20)$$

Sequence: A123480
Score: 16.3656
Type of gen. func.: ogf

```
- -----------------------
             2
  (x - 1) (x  - 14 x + 1)
```

Sequence: A123480
Score: 20.2647
Type of gen. func.: lgdogf

$$-\frac{3(x^2-10x+5)}{(x-1)(x^2-14x+1)}$$

Sequence: A123480
Score: 6.01471
Type of gen. func.: ogf

$$\{a(n+3)-15a(n+2)+15a(n+1)-a(n), a(0)=4, a(1)=60, a(2)=840\}$$

Sequence: A123480
Score: 6.57683
Type of gen. func.: ogf

$$(37843 f(x)-172)(f(x)x^3-15f(x)x^2+15f(x)x-f(x)+4)$$

Sequence: A123482
Score: 13.7727
Type of gen. func.: ogf

$$-\frac{60}{(x-1)(x^2-398x+1)}$$

Sequence: A123482
Score: 16.4022
Type of gen. func.: lgdogf

$$-\frac{3(x^2-266x+133)}{(x-1)(x^2-398x+1)}$$

Sequence: A123482
Score: 4.98853
Type of gen. func.: ogf

$$\{a(n + 3) - 399\, a(n + 2) + 399\, a(n + 1) - a(n),\ a(0) = 60,\ a(1) = 23940,\ a(2) = 9528120\}$$

Sequence: A123482
Score: 5.369
Type of gen. func.: ogf

$$(25091352403\, f(x) - 71700)\, (f(x)\, x^3 - 399\, f(x)\, x^2 + 399\, f(x)\, x - f(x) + 60)$$

Sequence: A123510
Score: 3.89445
Type of gen. func.: ogf

$$\{(n^3 + 11\, n^2 + 38\, n + 40)\, a(n + 1) + (-2\, n^2 - 16\, n - 30)\, a(n + 2) + (n + 3)\, a(n + 3),\ a(0) = 1,\ a(1) = 6,\ a(2) = 42\}$$

Sequence: A123510
Score: 6.97480
Type of gen. func.: lgdegf]

$$- \frac{12\, x^4 - 16\, x^3 - 73\, x^2 + 160\, x - 84}{(3\, x^3 - 2\, x^2 - 12\, x + 12)\, (x - 1)^2}$$

Sequence: A123511
Score: 5.78186
Type of gen. func.: lgdegf]

$$- \frac{80\, x^5 - 350\, x^4 + 316\, x^3 + 495\, x^2 - 960\, x + 420}{(x - 2)\, (16\, x^3 - 21\, x^2 - 18\, x + 24)\, (x - 1)^2}$$

Sequence: A123512
Score: 2.91104
Type of gen. func.: ogf

$$\{(n^3 + 15 n^2 + 68 n + 84) a(n + 1) + (-2 n^2 - 20 n - 42) a(n + 2) + (n + 3) a(n + 3), a(0) = 1, a(1) = 10, a(2) = 105\}$$

Sequence: A123518
Score: 7.00538
Type of gen. func.: ogf

$$\frac{2 x^3 - 3 x^2 + 2 x + 1}{(x^3 - x^2 - 3 x + 1)^2}$$

Sequence: A123518
Score: 8.87206
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^5 - 7 x^4 + 11 x^3 - 3 x^2 - 2 x - 4)}{(x^3 - x^2 - 3 x + 1) (2 x^3 - 3 x^2 + 2 x + 1)}$$

Sequence: A123520
Score: 10.0210
Type of gen. func.: ogf

$$- \frac{4 (x - 1)}{(x^2 - 4 x + 1)^2}$$

Sequence: A123520
Score: 19.0292
Type of gen. func.: lgdogf

$$- \frac{3 x^2 - 8 x + 7}{(x - 1) (x^2 - 4 x + 1)}$$

Sequence: A123520
Score: 4.67143
Type of gen. func.: ogf

$$-(32072 f(x) - 2767) (f(x) x^4 - 8 f(x) x^3 + 18 f(x) x^2 - 8 f(x) x + f(x) + 4 x - 4)$$

Sequence: A123522
Score: 12.0753
Type of gen. func.: lgdogf

$$- \frac{380 x^2 - 319 x + 101}{(x - 1) (19 x - 10) (10 x - 1)}$$

Sequence: A123522
Score: 4.31298
Type of gen. func.: ogf

$$-(1968219 f(x) + 2997541) (10 f(x) x^3 - 21 f(x) x^2 + 12 f(x) x - 19 x^2 - f(x) + 10 x)$$

Sequence: A123522
Score: 4.71847
Type of gen. func.: ogf

$$\{-a(n + 3) + 12 a(n + 2) - 21 a(n + 1) + 10 a(n), a(0) = 0, a(1) = 10, a(2) = 101\}$$

Sequence: A123522
Score: 8.90421
Type of gen. func.: ogf

$$\frac{x (19 x - 10)}{(10 x - 1) (x - 1)^2}$$

Sequence: A123525
Score: 7.21829
Type of gen. func.: lgdegf]

$$-\frac{2x^4 - 12x^3 + 13x^2 + 10x - 14}{(x^3 - 4x^2 + 2x + 2)(x - 1)^2}$$

Sequence: A123526
Score: 5.50863
Type of gen. func.: ogf

$$\frac{6x^7 + 5x^6 + 4x^5 + 3x^4 + 2x^3 + x^2 - 1}{x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A123530
Score: 8.46918
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^4 + x^2 - x + 2}{-x^5 + x^4 - x^3 + x^2 - x + 1}$$

Sequence: A123532
Score: 11.7132
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4x^5 - 7x^4 - 2x^3 - 2x^2 - 2x - 7}{x^6 - 1}$$

Sequence: A123552
Score: 21.3070
Type of gen. func.: ogf

$$\frac{1}{(x - 1)(x^4 + x^3 - 1)}$$

Sequence: A123552
Score: 24.5037
Type of gen. func.: lgdogf

$$-\frac{5 x^{4} - 3 x^{2} - 1}{(x - 1) (x^{4} + x^{3} - 1)}$$

Sequence: A123555
Score: 5.60276
Type of gen. func.: ogf

$$\{(-27 n^{3} - 135 n^{2} - 222 n - 120) a(n + 1) + (n^{3} + 9 n^{2} + 23 n + 15) a(n + 2),$$

$$a(0) = 0, a(1) = 2\}$$

Sequence: A123569
Score: 4.09291
Type of gen. func.: ogf

$$-\frac{x^{11} + x^{10} + x^{9} + 2 x^{8} - x^{7} - x^{6} - x^{5} - 3 x^{4} + x + 1}{(x^{4} + x^{3} - 1) (x^{4} + x^{2} - 1) (x^{4} + x - 1)}$$

Sequence: A123578
Score: 25.2676
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 + x}{-x - 1}$$

Sequence: A123589
Score: 3.61878
Type of gen. func.: ogf

$$(1649642084 f(x) + 34965875) (20 f(x) x^{4} - 19 f(x) x^{3} + 3 x^{4} - 15 f(x) x^{2}$$

$$^{3} \qquad ^{2}$$

$$+ 4 x - f(x) x + x + f(x) - 3 x - 1)$$

Sequence: A123589
Score: 6.18208
Type of gen. func.: lgdogf

$$-\frac{137 x^6 + 130 x^5 - 130 x^4 + 30 x^3 + 91 x^2 + 28 x + 4}{(3 x + 1) (x^3 + x^2 - 1) (20 x^4 - 19 x^3 - 15 x^2 - x + 1)}$$

Sequence: A123589
Score: 6.74409
Type of gen. func.: ogf

$$-\frac{(3 x + 1) (x^3 + x^2 - 1)}{20 x^4 - 19 x^3 - 15 x^2 - x + 1}$$

Sequence: A123596
Score: 11.7222
Type of gen. func.: ogf

$$-\frac{x^2 (x^2 + x + 1)}{(x - 1)^3 (x + 1)^3}$$

Sequence: A123596
Score: 20.1792
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 5 x^2 + 8 x + 1}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A123596
Score: 34.0882
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + 3 x + 1$$

Sequence: A123613
Score: 5.46518
Type of gen. func.: ogf

$$\frac{x^6 + 4 x^5 + 8 x^4 + 6 x^3 + 10 x^2 + 1}{(x^2 + x + 1)^2 (x - 1)^6}$$

Sequence: A123613
Score: 6.97396
Type of gen. func.: lgdogf

$$-\frac{4 (x^8 + 6 x^7 + 17 x^6 + 24 x^5 + 39 x^4 + 24 x^3 + 17 x^2 + 6 x + 1)}{(x - 1) (x^2 + x + 1) (x^6 + 4 x^5 + 8 x^4 + 6 x^3 + 10 x^2 + 1)}$$

Sequence: A123620
Score: 14.2004
Type of gen. func.: ogf

$$-\frac{x^2 + x + 1}{3 x^2 + 3 x - 1}$$

Sequence: A123620
Score: 21.7526
Type of gen. func.: lgdogf

$$-\frac{4 (2 x + 1)}{(x^2 + x + 1) (3 x^2 + 3 x - 1)}$$

Sequence: A123620
Score: 7.30700
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 4, a(2) = 16\}$$

Sequence: A123620
Score: 8.0066
Type of gen. func.: ogf

$$(-7 + 19 f(x)) (3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + x + 1)$$

Sequence: A123633
Score: 14.7842
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3 x^2 + 3}{x^4 + x^2 + 1}$$

Sequence: A123642
Score: 3.23304
Type of gen. func.: ogf

$$\{(8 n^2 + 32 n + 32) a(n + 1) + (-6 n^2 - 38 n - 52) a(n + 2)$$

$$+ (n^2 + 13 n + 24) a(n + 3) + (-n - 3) a(n + 4), a(0) = 0, a(1) = -1,$$

$$a(2) = -2, a(3) = -2\}$$

Sequence: A123649
Score: 10.0966
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^6 - x^5 + 2 x^4 - 2 x^2 + x + 1}{x^8 + x^4 + 1}$$

Sequence: A123650
Score: 6.27003
Type of gen. func.: ogf

5   4   3   2

```
                       x  - 6 x  - 20 x  - 70 x  - 21 x - 4
                     - -------------------------------------
                                            6
                                     (x - 1)
```

Sequence: A123650
Score: 9.30855
Type of gen. func.: lgdogf

```
                      5      4       3        2
                     x  - 7 x  - 84 x  - 340 x  - 245 x - 45
                - ----------------------------------------------
                            5      4       3       2
                  (x - 1) (x  - 6 x  - 20 x  - 70 x  - 21 x - 4)
```

Sequence: A123654
Score: 5.64203
Type of gen. func.: ogf

```
                      5        4        3        2
              x (200 x  + 409 x  + 200 x  - 936 x  - 1227 x - 264)
              ----------------------------------------------------
                                      6      3
                            (x - 1) (x  - 6 x  + 1)
```

Sequence: A123655
Score: 10.2976
Type of gen. func.: ogf_with_Euler_transform]

```
                                   8    7
                                2 x  + x  + x + 2
                              - -----------------
                                 10    8    2
                                x   - x  + x  - 1
```

Sequence: A123655
Score: 4.76576
Type of gen. func.: ogf

```
       16        12        8      4          /      20        17         16        13
- (21 x   + 24 x   + 87 x  + 2 x  + 49)  /  (52 x   + 42 x   - 125 x   + 48 x
                                        /

           12         9       8      5        4
     - 98 x   + 174 x  - 42 x  + 4 x  - 100 x  + 98 x - 49)
```

Sequence: A123656

Score: 5.20010
Type of gen. func.: ogf

$$-\frac{x^6 - 4x^5 + 81x^4 + 272x^3 + 307x^2 + 60x + 3}{(x-1)^7}$$

Sequence: A123656
Score: 7.25085
Type of gen. func.: lgdogf

$$-\frac{x^6 - 2x^5 + 223x^4 + 1412x^3 + 2351x^2 + 974x + 81}{(x-1)(x^6 - 4x^5 + 81x^4 + 272x^3 + 307x^2 + 60x + 3)}$$

Sequence: A123684
Score: 15.7562
Type of gen. func.: ogf

$$\frac{2x^2 + x + 1}{(x+1)^2 (x-1)^2}$$

Sequence: A123684
Score: 20.0226
Type of gen. func.: lgdogf

$$-\frac{4x^3 + 3x^2 + 8x + 1}{(x-1)(x+1)(2x^2 + x + 1)}$$

Sequence: A123684
Score: 8.71942
Type of gen. func.: ogf

$$-(1120 f(x) + 1013) (f(x) x^4 - 2 f(x) x^2 - 2 x^2 + f(x) - x - 1)$$

Sequence: A123691
Score: 5.75371
Type of gen. func.: ogf

$$\{(27 n^2 + 108 n + 105) a(n + 1) + (-n^2 - 8 n - 15) a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A123720
Score: 11.4279
Type of gen. func.: ogf

$$-\frac{3 x^2 - 4 x + 2}{(2 x - 1) (x - 1)^2}$$

Sequence: A123720
Score: 14.2368
Type of gen. func.: lgdogf

$$-\frac{2 (3 x - 2) (x^2 - x + 1)}{(x - 1) (2 x - 1) (3 x^2 - 4 x + 2)}$$

Sequence: A123720
Score: 5.95811
Type of gen. func.: ogf

$$-(37 f(x) - 35) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x + 3 x^2 - f(x) - 4 x + 2)$$

Sequence: A123720
Score: 6.22411
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 2, a(1) = 4, a(2) = 9\}$$

Sequence: A123738
Score: 25.3428
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{13} + 2 x^{6} + x$$

Sequence: A123738
Score: 8.19863
Type of gen. func.: ogf

$$- \frac{x^{6} - x^{5} + x^{4} - x^{3} + x^{2} - x + 1}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A123738
Score: 8.62604
Type of gen. func.: lgdogf

$$- 2 x (x^{11} - x^{10} + 2 x^{9} - 2 x^{8} + 3 x^{7} - 3 x^{6} + 4 x^{5} + 3 x^{4} - 2 x^{3} + 2 x^{2} - x + 1) / ((x - 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x^{6} - x^{5} + x^{4} - x^{3} + x^{2} - x + 1))$$

Sequence: A123752
Score: 10.5693
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A123752
Score: 16.4985
Type of gen. func.: ogf

$$- \frac{2 x + 1}{7 x^{2} - 1}$$

Sequence: A123752
Score: 17.9218

Type of gen. func.: revogf

$$\frac{-1 + (28 x^2 + 8 x + 1)^{1/2}}{2 (2 + 7 x)}$$

Sequence: A123752
Score: 19.5032
Type of gen. func.: lgdogf

$$- \frac{2 (7 x^2 + 7 x + 1)}{(2 x + 1) (7 x^2 - 1)}$$

Sequence: A123752
Score: 9.52729
Type of gen. func.: ogf

$$-(7 f(x) - 5) (7 f(x) x^2 - f(x) + 2 x + 1)$$

Sequence: A123758
Score: 4.81899
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-2 x^7 - 3 x^6 - 3 x^5 - 4 x^4 - 3 x^3 - 2 x^2 - x - 1}{x^8 + x^7 + x^6 + x^5 - x^3 - x^2 - x - 1}$$

Sequence: A123759
Score: 3.24633
Type of gen. func.: ogf_with_Euler_transform]

$$- (-2 x^{19} - x^{18} - x^{17} - x^{16} - x^{15} - 2 x^{14} - x^{13} - x^{12} - x^{11} - x^{10} - x^9 - x^8 - x^7 - x^6 - x^5 - 2 x^4 - x^3 - x^2 - x - 1) \Big/ (x^{20} - 1)$$

Sequence: A123760

Score: 12.8980
Type of gen. func.: ogf

$$-\frac{15 x^3 + 13 x^2 + 11 x + 9}{2 x^4 - 1}$$

Sequence: A123760
Score: 8.1461
Type of gen. func.: ogf

$$-(268 f(x) - 1197) (2 f(x) x^4 + 15 x^3 + 13 x^2 - f(x) + 11 x + 9)$$

Sequence: A123760
Score: 9.72410
Type of gen. func.: lgdogf

$$-\frac{30 x^6 + 52 x^5 + 66 x^4 + 72 x^3 + 45 x^2 + 26 x + 11}{(15 x^3 + 13 x^2 + 11 x + 9) (2 x^4 - 1)}$$

Sequence: A123761
Score: 7.70156
Type of gen. func.: ogf

$$\frac{60 x^6 - 60 x^5 - 15 x^4 - 12 x^3 - 3 x^2 - 2 x - 1}{120 x^6 - 1}$$

Sequence: A123858
Score: 9.78894
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^5 - x^4 + 1}{x^6 + x^5 - x - 1}$$

Sequence: A123865
Score: 14.9870
Type of gen. func.: lgdogf

$$-\frac{2\,(x^3 - 6\,x^2 - 15\,x - 40)}{(x - 1)\,(x^3 - 5\,x^2 - 5\,x - 15)}$$

Sequence: A123865
Score: 4.34498
Type of gen. func.: ogf

$$\{(n^2 + 6\,n + 8)\,a(n + 1) + (24 + 8\,n)\,a(n + 2) + (-n^2 - 6\,n - 8)\,a(n + 3),$$

$$a(0) = 0,\ a(1) = 15,\ a(2) = 80\}$$

Sequence: A123865
Score: 7.93432
Type of gen. func.: ogf

$$\frac{x\,(x^3 - 5\,x^2 - 5\,x - 15)}{(x - 1)^5}$$

Sequence: A123866
Score: 5.30856
Type of gen. func.: ogf

$$\frac{x\,(x^5 - 7\,x^4 - 42\,x^3 - 322\,x^2 - 287\,x - 63)}{(x - 1)^7}$$

Sequence: A123866
Score: 8.25945
Type of gen. func.: lgdogf

$$-\frac{2\,(x^5 - 8\,x^4 - 98\,x^3 - 868\,x^2 - 1183\,x - 364)}{(x - 1)\,(x^5 - 7\,x^4 - 42\,x^3 - 322\,x^2 - 287\,x - 63)}$$

Sequence: A123871
Score: 13.7316
Type of gen. func.: ogf

$$-\frac{x^2 + x + 1}{4 x^2 + 4 x - 1}$$

Sequence: A123871
Score: 21.0312
Type of gen. func.: lgdogf

$$-\frac{5 (2 x + 1)}{(x^2 + x + 1) (4 x^2 + 4 x - 1)}$$

Sequence: A123871
Score: 7.06576
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 5, a(2) = 25\}$$

Sequence: A123871
Score: 7.74228
Type of gen. func.: ogf

$$(-9 + 29 f(x)) (4 f(x) x^2 + 4 f(x) x + x^2 - f(x) + x + 1)$$

Sequence: A123877
Score: 12.3814
Type of gen. func.: ogf

$$\frac{2 x + 1}{3 x^2 + 3 x + 1}$$

Sequence: A123877
Score: 17.0441

Type of gen. func.: lgdogf

$$-\frac{6 x^{2} + 6 x + 1}{(2 x + 1) (3 x^{2} + 3 x + 1)}$$

Sequence: A123877
Score: 6.26028
Type of gen. func.: ogf

$$-(f(x) - 1) (3 f(x) x^{2} + 3 f(x) x + f(x) - 2 x - 1)$$

Sequence: A123877
Score: 6.79470
Type of gen. func.: ogf

$$\{-a(n + 2) - 3 a(n + 1) - 3 a(n), a(0) = 1, a(1) = -1\}$$

Sequence: A123879
Score: 4.23664
Type of gen. func.: ogf

$$(3 f(x) + 1)$$

$$(f(x) x^{4} - 3 f(x) x^{3} + 5 f(x) x^{2} + x^{3} - 3 f(x) x - 2 x^{2} + f(x) + 2 x - 1)$$

Sequence: A123879
Score: 7.53794
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^{2} - x + 1)}{x^{4} - 3 x^{3} + 5 x^{2} - 3 x + 1}$$

Sequence: A123879
Score: 8.02404
Type of gen. func.: lgdogf

6 5 4 3 2

$$-\frac{x - 4x + 7x - 10x + 10x - 6x + 1}{(x-1)(x^2 - x + 1)(x^4 - 3x^3 + 5x^2 - 3x + 1)}$$

Sequence: A123884
Score: 4.03999
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^{10} - 2x^8 - x^6 + x^5 - 3x^4 - x^3 - 2x^2 - 2}{x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}$$

Sequence: A123887
Score: 15.0508
Type of gen. func.: ogf

$$-\frac{x^2 + x + 1}{5x^2 + 5x - 1}$$

Sequence: A123887
Score: 23.0876
Type of gen. func.: lgdogf

$$-\frac{6(2x + 1)}{(x^2 + x + 1)(5x^2 + 5x - 1)}$$

Sequence: A123887
Score: 7.74457
Type of gen. func.: ogf

$$\{a(n + 3) - 5a(n + 2) - 5a(n + 1), a(0) = 1, a(1) = 6, a(2) = 36\}$$

Sequence: A123887
Score: 8.39675
Type of gen. func.: ogf

$$(-11 + 41 f(x))(5 f(x) x^2 + 5 f(x) x + x^2 - f(x) + x + 1)$$

Sequence: A123888
Score: 17.5471
Type of gen. func.: lgdogf

$$-\frac{5x^4-9x^2+3}{(x-1)(x^4+x^3-2x^2-2x+1)}$$

Sequence: A123888
Score: 21.2345
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(x^4+x^3-2x^2-2x+1)}$$

Sequence: A123888
Score: 7.62793
Type of gen. func.: ogf

$$-(f(x)-1)(f(x)x^5-3f(x)x^3+3f(x)x-f(x)+1)$$

Sequence: A123889
Score: 11.0274
Type of gen. func.: lgdogf

$$-\frac{7x^6-20x^4+18x^2-4}{(x-1)(x^6+x^5-3x^4-3x^3+3x^2+3x-1)}$$

Sequence: A123889
Score: 14.8942
Type of gen. func.: ogf

$$\frac{1}{(x-1)(x^6+x^5-3x^4-3x^3+3x^2+3x-1)}$$

Sequence: A123890
Score: 12.8855
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (x^8 + x^7 - 4 x^6 - 4 x^5 + 6 x^4 + 6 x^3 - 4 x^2 - 4 x + 1)}$$

Sequence: A123890
Score: 8.38546
Type of gen. func.: lgdogf

$$- \frac{9 x^8 - 35 x^6 + 50 x^4 - 30 x^2 + 5}{(x - 1) (x^8 + x^7 - 4 x^6 - 4 x^5 + 6 x^4 + 6 x^3 - 4 x^2 - 4 x + 1)}$$

Sequence: A123891
Score: 10.3264
Type of gen. func.: ogf

$$-f(x) x^3 + x^3 + 3 f(x) x - 3 x^2 - f(x) + 1$$

Sequence: A123891
Score: 13.5874
Type of gen. func.: ogf

$$\frac{x^3 - 3 x^2 + 1}{x^3 - 3 x + 1}$$

Sequence: A123891
Score: 19.5131
Type of gen. func.: lgdogf

$$\frac{3 (x^2 - x + 1)^2}{(x^3 - 3 x^2 + 1) (x^3 - 3 x + 1)}$$

Sequence: A123891
Score: 6.73460
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 3) + a(n + 1), a(0) = 1, a(1) = 3, a(2) = 6, a(3) = 18\}$$

Sequence: A123892
Score: 5.1786
Type of gen. func.: ogf

$$-(f(x) - 1) (2 f(x) x^5 - 2 f(x) x^4 + 6 f(x) x^3 + 2 x^4 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) + 1)$$

Sequence: A123892
Score: 9.90967
Type of gen. func.: ogf

$$-\frac{(x^2 + 1) (2 x^2 + 1)}{2 x^5 - 2 x^4 + 6 x^3 - 3 x^2 + 3 x - 1}$$

Sequence: A123893
Score: 6.75533
Type of gen. func.: ogf

$$-\frac{(2 x^2 + 1) (3 x^2 + 1) (x^2 + 1)}{6 x^7 - 6 x^6 + 22 x^5 - 11 x^4 + 18 x^3 - 6 x^2 + 4 x - 1}$$

Sequence: A123894
Score: 4.97820
Type of gen. func.: ogf

$$-\frac{(4 x^2 + 1) (2 x^2 + 1) (3 x^2 + 1) (x^2 + 1)}{24 x^9 - 24 x^8 + 100 x^7 - 50 x^6 + 105 x^5 - 35 x^4 + 40 x^3 - 10 x^2 + 5 x - 1}$$

Sequence: A123904
Score: 7.37577
Type of gen. func.: lgdogf

$$\frac{1440 x^6 - 1416 x^5 + 172 x^4 + 90 x^3 + 27 x^2 + 9}{(2 x - 1) (180 x^6 - 56 x^5 - 27 x^4 - 9 x^3 + x^2 - x - 2)}$$

Sequence: A123904
Score: 7.52553
Type of gen. func.: ogf

$$- \frac{180 x^6 - 56 x^5 - 27 x^4 - 9 x^3 + x^2 - x - 2}{(2 x - 1)^2}$$

Sequence: A123908
Score: 9.85468
Type of gen. func.: lgdogf

$$- \frac{(x + 1) (3 x^5 + 5 x^4 + 8 x^3 + 4 x^2 + 3 x + 1)}{(x^2 + x + 1) (x^5 + 2 x^4 + 2 x^3 + x^2 - 1)}$$

Sequence: A123908
Score: 9.91604
Type of gen. func.: ogf

$$- \frac{x^2 + x + 1}{x^5 + 2 x^4 + 2 x^3 + x^2 - 1}$$

Sequence: A123919
Score: 10.9449
Type of gen. func.: lgdogf

$$5 x^7 + x^6 + 8 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 3 x + 1$$

$$- \frac{}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A123919
Score: 15.9746
Type of gen. func.: ogf

$$\frac{x (x^2 + 1)}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A123919
Score: 24.5366
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5 - x^3 + x + 1]$$

Sequence: A123920
Score: 10.0204
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^8 - 2 x^7 + 3 x^6 + 4 x^5 + x^4 + x^3 + 2 x^2 + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^3 - x^2 + x + 1)}$$

Sequence: A123920
Score: 13.3227
Type of gen. func.: ogf

$$\frac{x^3 - x^2 + x + 1}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A123932
Score: 13.7680
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1), a(0) = 1, a(1) = 4\}$$

Sequence: A123932
Score: 22.0287
Type of gen. func.: ogf

$$-f(x)\,x + f(x) - 3\,x - 1$$

Sequence: A123932
Score: 26.7917
Type of gen. func.: ogf

$$-\frac{3\,x + 1}{x - 1}$$

Sequence: A123932
Score: 29.4751
Type of gen. func.: revogf

$$-1/6 - x/6 + \frac{(x^2 + 14\,x + 1)^{1/2}}{6}$$

Sequence: A123932
Score: 60.7924
Type of gen. func.: lgdogf

$$-\frac{4}{(3\,x + 1)\,(x - 1)}$$

Sequence: A123941
Score: 12.6131
Type of gen. func.: ogf

$$f(x)\,x^3 - 3\,f(x)\,x + f(x) - x$$

Sequence: A123941
Score: 22.5507
Type of gen. func.: ogf

$$\frac{x}{x^3 - 3x + 1}$$

Sequence: A123941
Score: 28.2335
Type of gen. func.: lgdogf

$$-\frac{3(x-1)(x+1)}{x^3 - 3x + 1}$$

Sequence: A123941
Score: 8.00186
Type of gen. func.: ogf

$$\{a(n+3) - 3 a(n+2) + a(n), a(0) = 0, a(1) = 1, a(2) = 3\}$$

Sequence: A123942
Score: 11.1152
Type of gen. func.: lgdogf

$$-\frac{2x^5 + 4x^4 - 2x^3 - 3x^2 + 6x + 3}{(x^2 + x - 1)(x^4 + x^3 - 4x^2 - 4x + 1)}$$

Sequence: A123942
Score: 5.34095
Type of gen. func.: ogf

$$(14 f(x) - 29)(f(x) x^4 + f(x) x^3 - 4 f(x) x^2 + x^3 - 4 f(x) x + x^2 + f(x) - x)$$

Sequence: A123942
Score: 9.87711
Type of gen. func.: ogf

$$-\frac{x(x^2 + x - 1)}{}$$

$$x^4 + x^3 - 4 x^2 - 4 x + 1$$

Sequence: A123943
Score: 10.4620
Type of gen. func.: ogf

$$- \frac{x (x^3 - 3 x + 1)}{x^5 - 6 x^3 + 8 x - 1}$$

Sequence: A123943
Score: 8.99724
Type of gen. func.: lgdogf

$$- \frac{2 x^7 - 12 x^5 + 5 x^4 + 20 x^3 - 15 x^2 + 5}{(x^3 - 3 x + 1) (x^5 - 6 x^3 + 8 x - 1)}$$

Sequence: A123946
Score: 4.21449
Type of gen. func.: ogf

$$(2 x^{18} - x^{17} - x^{16} + x^{15} + x^{14} - x^{13} + 2 x^{12} - x^{11} - x^9 + x^7 + x^4 - x^3 + x^2 + 1) / ((x - 1) (2 x^3 - 1) (x^6 + x^3 + 1))$$

Sequence: A123947
Score: 10.1450
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - 2 x^4 - 6 x^3 + 3 x^2 + 6 x + 3}{(x^2 - x - 1) (x^4 + x^3 - 4 x^2 - 2 x + 1)}$$

Sequence: A123947
Score: 4.95615
Type of gen. func.: ogf

$$(5 f(x) - 1) (f(x) x^4 + f(x) x^3 - 4 f(x) x^2 + x^3 - 2 f(x) x - x^2 + f(x) - x)$$

Sequence: A123947
Score: 9.02970
Type of gen. func.: ogf

$$-\frac{x (x^2 - x - 1)}{x^4 + x^3 - 4 x^2 - 2 x + 1}$$

Sequence: A123950
Score: 12.5473
Type of gen. func.: ogf

$$-\frac{x (2 x - 1)}{2 x^3 - 3 x^2 - 3 x + 1}$$

Sequence: A123950
Score: 13.2319
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 12 x^2 + 6 x + 1}{(2 x - 1) (2 x^3 - 3 x^2 - 3 x + 1)}$$

Sequence: A123950
Score: 6.44322
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 1, a(2) = 1\}$$

Sequence: A123950
Score: 6.68408
Type of gen. func.: ogf

$$(f(x) + 1) (2 f(x) x^3 - 3 f(x) x^2 - 3 f(x) x + 2 x^2 + f(x) - x)$$

Sequence: A123952
Score: 10.4828
Type of gen. func.: ogf

$$-\frac{29 x^2 - 11 x + 1}{(5 x - 1) (22 x^2 - 10 x + 1)}$$

Sequence: A123952
Score: 5.57421
Type of gen. func.: ogf

$-(472 f(x) - 1669)$

$(110 f(x) x^3 - 72 f(x) x^2 + 15 f(x) x + 29 x^2 - f(x) - 11 x + 1)$

Sequence: A123952
Score: 6.00299
Type of gen. func.: ogf

$\{-a(n + 3) + 15 a(n + 2) - 72 a(n + 1) + 110 a(n), a(0) = 1, a(1) = 4,$

$a(2) = 17\}$

Sequence: A123954
Score: 4.78965
Type of gen. func.: ogf

$780 f(x) x^5 - 1091 f(x) x^4 + 592 f(x) x^3 + x^4 - 156 f(x) x^2 + 20 f(x) x - f(x)$

Sequence: A123954
Score: 8.00375
Type of gen. func.: lgdogf

$$-\frac{4 (975 x^4 - 1091 x^3 + 444 x^2 - 78 x + 5)}{(-1 + 4 x) (3 x - 1) (5 x - 1) (13 x^2 - 8 x + 1)}$$

Sequence: A123954
Score: 9.07888
Type of gen. func.: ogf

$$-\frac{x^4}{(-1 + 4 x) (3 x - 1) (5 x - 1) (13 x^2 - 8 x + 1)}$$

Sequence: A123955
Score: 4.90692
Type of gen. func.: ogf

$$144 f(x) x^5 - 300 f(x) x^4 + 234 f(x) x^3 + x^4 - 86 f(x) x^2 + 15 f(x) x - f(x)$$

Sequence: A123955
Score: 8.51894
Type of gen. func.: lgdogf

$$-\frac{(24 x^2 - 24 x + 5) (30 x^2 - 20 x + 3)}{(3 x - 1) (2 x - 1) (-1 + 4 x) (6 x^2 - 6 x + 1)}$$

Sequence: A123955
Score: 9.43637
Type of gen. func.: ogf

$$-\frac{x^4}{(3 x - 1) (2 x - 1) (-1 + 4 x) (6 x^2 - 6 x + 1)}$$

Sequence: A123957
Score: 10.1942
Type of gen. func.: ogf

$$4 f(x) x^4 + 4 f(x) x^3 - 3 f(x) x^2 - x^3 + f(x)$$

Sequence: A123957
Score: 16.8517
Type of gen. func.: ogf

$$\frac{x^3}{(2x+1)(2x^3+x^2-2x+1)}$$

Sequence: A123957
Score: 19.6430
Type of gen. func.: lgdogf

$$-\frac{2x(8x^2+6x-3)}{(2x+1)(2x^3+x^2-2x+1)}$$

Sequence: A123958
Score: 21.2284
Type of gen. func.: ogf

$$\frac{x^2}{2x^3+2x^2+1}$$

Sequence: A123958
Score: 33.9226
Type of gen. func.: lgdogf

$$-\frac{2x(2+3x)}{2x^3+2x^2+1}$$

Sequence: A123958
Score: 9.46048
Type of gen. func.: ogf

$$\{-a(n+3)-2a(n+1)-2a(n),\ a(0)=0,\ a(1)=0,\ a(2)=1\}$$

Sequence: A123958
Score: 9.77937
Type of gen. func.: ogf

$$-(2 f(x) - 1) (2 f(x) x^3 + 2 f(x) x^2 - x^2 + f(x))$$

Sequence: A123959
Score: 15.3055
Type of gen. func.: lgdogf

$$-\frac{8 x (5 x^3 + 4 x^2 - 3 x - 1)}{8 x^5 + 8 x^4 - 8 x^3 - 4 x^2 + 1}$$

Sequence: A123959
Score: 15.5034
Type of gen. func.: ogf

$$\frac{1}{8 x^5 + 8 x^4 - 8 x^3 - 4 x^2 + 1}$$

Sequence: A123960
Score: 11.3508
Type of gen. func.: lgdogf

$$-\frac{196 x^3 - 240 x^2 + 90 x - 11}{49 x^4 - 80 x^3 + 45 x^2 - 11 x + 1}$$

Sequence: A123960
Score: 11.4073
Type of gen. func.: ogf

$$\frac{2 x^3}{49 x^4 - 80 x^3 + 45 x^2 - 11 x + 1}$$

Sequence: A123960
Score: 6.31275
Type of gen. func.: ogf

$$-49 f(x) x^4 + 80 f(x) x^3 - 45 f(x) x^2 + 2 x^3 + 11 f(x) x - f(x)$$

Sequence: A123968
Score: 13.4035
Type of gen. func.: ogf

$$\frac{(3 x - 1) (x - 2)}{(x - 1)^3}$$

Sequence: A123968
Score: 23.0250
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 8 x - 1}{(x - 1) (x - 2) (3 x - 1)}$$

Sequence: A123968
Score: 7.04839
Type of gen. func.: ogf

$$(284 f(x) - 1617) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 3 x^2 - f(x) + 7 x - 2)$$

Sequence: A123968
Score: 7.30011
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = -2, a(1) = 1, a(2) = 6\}$$

Sequence: A123972
Score: 10.5603
Type of gen. func.: ogf

$$-\frac{x^3 - 11 x^2 + 5 x - 1}{}$$

$$(x - 1)^4$$

Sequence: A123972
Score: 18.4641
Type of gen. func.: lgdogf

$$- \frac{x^3 - 19 x^2 - 7 x + 1}{(x - 1) (x^3 - 11 x^2 + 5 x - 1)}$$

Sequence: A123972
Score: 5.6418
Type of gen. func.: ogf

$$(21654 f(x) + 69365)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + x^3 - 4 f(x) x - 11 x^2 + f(x) + 5 x - 1)$$

Sequence: A123975
Score: 10.2333
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^{14} - x^6 + x^5 - 1}{-x^{16} + x^{15} - x + 1}$$

Sequence: A123977
Score: 7.11827
Type of gen. func.: lgdogf

$$(36 x^{20} - 74 x^{19} + 38 x^{18} + 33 x^{13} - 69 x^{12} + 36 x^{11} + 20 x^7 - 44 x^6 + 24 x^5 - 3 x + 5) \Big/ ((x - 1) (2 x^{20} - 2 x^{19} + 3 x^{13} - 3 x^{12} + 4 x^7 - 4 x^6 + 3 x - 4))$$

Sequence: A123977

Score: 9.71743
Type of gen. func.: ogf

$$-\frac{2x^{20}-2x^{19}+3x^{13}-3x^{12}+4x^{7}-4x^{6}+3x-4}{(x-1)^{2}}$$

Sequence: A123991
Score: 9.65035
Type of gen. func.: lgdogf

$$-\frac{2(9x^{7}+10x^{6}-4x^{5}-8x^{4}+7x^{3}+10x^{2}+5x+1)}{(x-1)(x+1)(x^{2}+x+1)(x^{4}-x^{2}+1)}$$

Sequence: A123999
Score: 7.33730
Type of gen. func.: ogf

$$(x+1)^{4}(x^{2}-x+1)^{4}(x^{6}-x^{3}+x+1)^{4}$$

Sequence: A124007
Score: 20.4608
Type of gen. func.: lgdogf

$$-\frac{4}{x-1}$$

Sequence: A124007
Score: 3.51044
Type of gen. func.: ogf

$$\frac{54x^{2}}{(x-1)^{4}}$$

Sequence: A124008
Score: 6.75896

Type of gen. func.: lgdogf

$$-\frac{3\,(7 + 8\,x)}{(8\,x + 1)\,(x - 1)}$$

Sequence: A124011
Score: 13.5257
Type of gen. func.: ogf

$$-\frac{5\,x^2 - 7\,x + 5}{(x - 1)^3}$$

Sequence: A124011
Score: 23.8088
Type of gen. func.: lgdogf

$$-\frac{5\,x^2 - 4\,x + 8}{(x - 1)\,(5\,x^2 - 7\,x + 5)}$$

Sequence: A124011
Score: 7.17449
Type of gen. func.: ogf

$$-(5\,f(x) - 1)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 5\,x^2 - f(x) - 7\,x + 5)$$

Sequence: A124011
Score: 7.30147
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 5,\ a(1) = 8,\ a(2) = 14\}$$

Sequence: A124023
Score: 18.4889
Type of gen. func.: ogf

$$\frac{1}{\quad}$$

$$(2 x + 1) (2 x^2 - 4 x + 1)$$

Sequence: A124023
Score: 19.0990
Type of gen. func.: lgdogf

$$- \frac{2 (6 x^2 - 6 x - 1)}{(2 x + 1) (2 x^2 - 4 x + 1)}$$

Sequence: A124023
Score: 6.70835
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 6 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 2, a(2) = 10\}$$

Sequence: A124023
Score: 7.43179
Type of gen. func.: ogf

$$(433 f(x) + 62) (4 f(x) x^3 - 6 f(x) x^2 - 2 f(x) x + f(x) - 1)$$

Sequence: A124024
Score: 15.0524
Type of gen. func.: lgdogf

$$- \frac{2 (10 x^3 - 15 x^2 - 9 x + 1)}{(x^2 - 3 x + 1) (5 x^2 + 5 x + 1)}$$

Sequence: A124024
Score: 15.7239
Type of gen. func.: ogf

$$\frac{1}{(x^2 - 3 x + 1) (5 x^2 + 5 x + 1)}$$

Sequence: A124024
Score: 5.83304
Type of gen. func.: ogf

$$(14571 f(x) + 220) (5 f(x) x^4 - 10 f(x) x^3 - 9 f(x) x^2 + 2 f(x) x + f(x) - 1)$$

Sequence: A124026
Score: 11.4891
Type of gen. func.: ogf

$$- \frac{x (3 x - 2)}{(2 x + 1) (2 x^2 - 4 x + 1)}$$

Sequence: A124026
Score: 12.1718
Type of gen. func.: lgdogf

$$- \frac{24 x^3 - 42 x^2 + 24 x + 1}{(2 x + 1) (3 x - 2) (2 x^2 - 4 x + 1)}$$

Sequence: A124026
Score: 5.84712
Type of gen. func.: ogf

$$(4550 f(x) - 459) (4 f(x) x^3 - 6 f(x) x^2 - 2 f(x) x + 3 x^2 + f(x) - 2 x)$$

Sequence: A124026
Score: 5.89980
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 6 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 2, a(2) = 1\}$$

Sequence: A124062
Score: 9.56244
Type of gen. func.: lgdogf

$$-\frac{3x^8+2x^7+x^6-6x^5-4x^4-2x^3+2x+1}{(x-1)(x^2+x+1)(x^3+x^2-1)(x^3+x-1)}$$

Sequence: A124062
Score: 9.62778
Type of gen. func.: ogf

$$-\frac{(x-1)(x^2+x+1)}{(x^3+x^2-1)(x^3+x-1)}$$

Sequence: A124072
Score: 7.32984
Type of gen. func.: ogf

$$\frac{x(x^3+x^2+1)}{(x^2+1)(x+1)^2(x-1)^2}$$

Sequence: A124072
Score: 7.43069
Type of gen. func.: lgdogf

$$-\frac{x(3x^5+4x^4+2x^3+8x^2+3x+4)}{(x-1)(x+1)(x^2+1)(x^3+x^2+1)}$$

Sequence: A124080
Score: 10.5042
Type of gen. func.: ogf

$$f(x)x^3-3f(x)x^2+3f(x)x-f(x)+10x$$

Sequence: A124080
Score: 100.980
Type of gen. func.: lgdogf

$$-\frac{3}{x-1}$$

Sequence: A124080
Score: 17.8115
Type of gen. func.: ogf

$$-\frac{10\,x}{(x-1)^{3}}$$

Sequence: A124080
Score: 7.25070
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 0,\ a(1) = 10,\ a(2) = 30\}$$

Sequence: A124087
Score: 4.19083
Type of gen. func.: ogf

$$(429\,x^{7} - 3432\,x^{6} + 11880\,x^{5} - 23100\,x^{4} + 27300\,x^{3} - 19656\,x^{2} + 8008\,x - 1430) \Big/ (x-1)^{9}$$

Sequence: A124087
Score: 5.93163
Type of gen. func.: ogf

$$\{(n^{2} + 21\,n + 54)\,a(n+1) + (-n^{2} - 13\,n - 22)\,a(n+2),\ a(0) = 1430,\ a(1) = 4862\}$$

Sequence: A124088
Score: 3.44772
Type of gen. func.: ogf

8 7 6 5 4 3 2

$$(1430 x - 12870 x + 51051 x - 116688 x + 168300 x - 157080 x + 92820 x - 31824 x + 4862) / (x - 1)^{10}$$

Sequence: A124088
Score: 5.71111
Type of gen. func.: ogf

$$\{(n^2 + 23 n + 60) a(n + 1) + (-n^2 - 14 n - 24) a(n + 2), a(0) = 4862, a(1) = 16796\}$$

Sequence: A124089
Score: 4.81079
Type of gen. func.: ogf

$$\{(n + 8) a(n + 1) + (-2 n - 11) a(n + 2) + (n + 3) a(n + 3), a(0) = 0, a(1) = 6, a(2) = 27\}$$

Sequence: A124089
Score: 5.67523
Type of gen. func.: ogf

$$\frac{x (x - 2) (x^2 - x + 1) (x^2 - 3 x + 3)}{(x - 1)^7}$$

Sequence: A124089
Score: 9.94238
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - 13 x^4 + 36 x^3 - 55 x^2 + 50 x - 27}{(x - 1) (x - 2) (x^2 - x + 1) (x^2 - 3 x + 3)}$$

Sequence: A124090
Score: 4.70515
Type of gen. func.: ogf

{(n + 9) a(n + 1) + (-2 n - 12) a(n + 2) + (n + 3) a(n + 3), a(0) = 0, a(1) = 7,

a(2) = 35}

Sequence: A124090
Score: 4.86628
Type of gen. func.: ogf

$$\frac{x (x^6 - 7 x^5 + 21 x^4 - 35 x^3 + 35 x^2 - 21 x + 7)}{(x - 1)^8}$$

Sequence: A124090
Score: 7.69318
Type of gen. func.: lgdogf

$$- \frac{2 x^6 - 15 x^5 + 49 x^4 - 91 x^3 + 105 x^2 - 77 x + 35}{(x - 1) (x^6 - 7 x^5 + 21 x^4 - 35 x^3 + 35 x^2 - 21 x + 7)}$$

Sequence: A124093
Score: 11.7222
Type of gen. func.: ogf

$$- \frac{x^2 (x^3 + x + 1)}{(x - 1)^3 (x + 1)^3}$$

Sequence: A124093
Score: 20.1792
Type of gen. func.: lgdogf

$$- \frac{3 x^4 + 8 x^2 + 6 x + 1}{(x - 1) (x + 1) (x^3 + x + 1)}$$

Sequence: A124099
Score: 11.5525

Type of gen. func.: ogf

$$-\frac{1}{(12 x - 1) (13 x - 1) (5 x - 1)}$$

Sequence: A124099
Score: 3.85082
Type of gen. func.: ogf

$$(252428845001 f(x) - 115646497200) (780 f(x) x^3 - 281 f(x) x^2 + 30 f(x) x - f(x) + 1)$$

Sequence: A124099
Score: 4.04336
Type of gen. func.: ogf

$$\{a(n + 3) - 30 a(n + 2) + 281 a(n + 1) - 780 a(n), a(0) = 1, a(1) = 30, a(2) = 619\}$$

Sequence: A124099
Score: 9.87735
Type of gen. func.: lgdogf

$$-\frac{2 (1170 x^2 - 281 x + 15)}{(12 x - 1) (13 x - 1) (5 x - 1)}$$

Sequence: A124100
Score: 10.5245
Type of gen. func.: lgdogf

$$-\frac{2 (3060 x^2 - 511 x + 20)}{(17 x - 1) (15 x - 1) (-1 + 8 x)}$$

Sequence: A124100
Score: 12.2510
Type of gen. func.: ogf

```
                                        1
                         - --------------------------------
                           (17 x - 1) (15 x - 1) (-1 + 8 x)



--------------------------------------------------------------------------------

Sequence:  A124100
Score: 4.08366
Type of gen. func.: ogf


(4078081045951 f(x) - 2580870340800)

                 3              2
    (2040 f(x) x  - 511 f(x) x  + 40 f(x) x - f(x) + 1)



--------------------------------------------------------------------------------

Sequence:  A124100
Score: 4.31797
Type of gen. func.: ogf


{a(n + 3) - 40 a(n + 2) + 511 a(n + 1) - 2040 a(n), a(0) = 1, a(1) = 40,

    a(2) = 1089}



--------------------------------------------------------------------------------

Sequence:  A124101
Score: 11.8413
Type of gen. func.: lgdogf


                                       2
                              2 (6300 x  - 943 x + 28)
                         - -------------------------------
                           (25 x - 1) (24 x - 1) (7 x - 1)



--------------------------------------------------------------------------------

Sequence:  A124101
Score: 13.4761
Type of gen. func.: ogf


                                        1
                         - -------------------------------
                           (25 x - 1) (24 x - 1) (7 x - 1)



--------------------------------------------------------------------------------

Sequence:  A124101
Score: 4.74976
Type of gen. func.: ogf


{a(n + 3) - 56 a(n + 2) + 943 a(n + 1) - 4200 a(n), a(0) = 1, a(1) = 56,

    a(2) = 2193}
```

Sequence: A124101
Score: 5.71505
Type of gen. func.: ogf

$$(152030065527343 f(x) - 38761201080000) (4200 f(x) x^3 - 943 f(x) x^2 + 56 f(x) x - f(x) + 1)$$

Sequence: A124124
Score: 7.84912
Type of gen. func.: lgdogf

$$- \frac{x^8 + 2 x^7 - x^6 - 4 x^5 + 5 x^4 - 14 x^3 - 7 x^2 + 8 x + 2}{(x - 1) (x^2 + 2 x - 1) (x^2 - 2 x - 1) (x^4 + x^3 - 2 x^2 + x + 1)}$$

Sequence: A124124
Score: 8.41882
Type of gen. func.: ogf

$$- \frac{x^4 + x^3 - 2 x^2 + x + 1}{(x - 1) (x^2 + 2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A124125
Score: 5.04260
Type of gen. func.: ogf

$$- \frac{68 x^4 - 597 x^3 + 346 x^2 - 51 x + 2}{(5 x - 1) (16 x^2 - 12 x + 1) (x^2 - 18 x + 1)}$$

Sequence: A124133
Score: 10.7267
Type of gen. func.: ogf

$$\frac{x (2 x - 5)}{{}^{2}}$$

$$(-1 + 4 x) (x - 1)$$

Sequence: A124133
Score: 14.6833
Type of gen. func.: lgdogf

$$- \frac{2 (8 x^{2} - 31 x + 14)}{(2 x - 5) (x - 1) (-1 + 4 x)}$$

Sequence: A124133
Score: 5.27087
Type of gen. func.: ogf

$$(77769 f(x) - 111878) (4 f(x) x^{3} - 9 f(x) x^{2} + 6 f(x) x - 2 x^{2} - f(x) + 5 x)$$

Sequence: A124133
Score: 5.45912
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 9 a(n + 1) - 4 a(n), a(0) = 0, a(1) = 5, a(2) = 28\}$$

Sequence: A124152
Score: 10.2036
Type of gen. func.: lgdogf

$$- \frac{8 x^{4} + 49 x^{3} + 153 x^{2} + 115 x + 35}{(x - 1) (4 x^{4} + 11 x^{3} + 30 x^{2} + 11 x + 4)}$$

Sequence: A124152
Score: 6.93148
Type of gen. func.: ogf

$$\frac{2 x (4 x^{4} + 11 x^{3} + 30 x^{2} + 11 x + 4)}{(x - 1)^{6}}$$

Sequence: A124156
Score: 9.62628
Type of gen. func.: ogf

$$\frac{x^{16} - x^{14} - x^{10} + x^{8} - x^{6} + x^{4} + 1}{(x + 1)\,(x^{2} + x + 1)\,(x^{2} - x + 1)\,(x - 1)^{2}}$$

Sequence: A124157
Score: 5.37098
Type of gen. func.: lgdogf

$$-\frac{3}{x - 1}$$

Sequence: A124158
Score: 11.0547
Type of gen. func.: lgdogf

$$\frac{5 x^{7} - 11 x^{6} + 3 x^{5} + 3 x^{4} + 3 x^{3} + 3 x^{2} + 3 x + 3}{(x - 1)\,(x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 1)}$$

Sequence: A124158
Score: 9.24392
Type of gen. func.: ogf

$$-\frac{x\,(x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 1)}{(x - 1)^{2}}$$

Sequence: A124161
Score: 15.5897
Type of gen. func.: lgdogf

$$-\frac{3\,(2 x^{3} - 2 x^{2} + 3 x - 5)}{(x - 1)\,(2 x^{3} - 3 x^{2} + 3 x - 3)}$$

Sequence: A124161
Score: 4.31355
Type of gen. func.: ogf

$$\{(79 n^2 + 499 n + 682) a(n + 1) + (-166 n^2 - 584 n + 210) a(n + 2) + (87 n^2 + 45 n - 42) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 3\}$$

Sequence: A124161
Score: 7.71462
Type of gen. func.: ogf

$$- \frac{x^2 (2 x^3 - 3 x^2 + 3 x - 3)}{(x - 1)^6}$$

Sequence: A124166
Score: 11.1520
Type of gen. func.: revogf

$$- \frac{-11 x - 100 + (81 x^2 + 2200 x + 10000)^{1/2}}{20 x}$$

Sequence: A124166
Score: 12.9913
Type of gen. func.: ogf

$$\frac{100 x}{(10 x - 1) (x - 1)}$$

Sequence: A124166
Score: 20.1594
Type of gen. func.: lgdogf

$$- \frac{-11 + 20 x}{(10 x - 1) (x - 1)}$$

Sequence: A124166
Score: 6.26639
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 0, a(1) = 100\}$$

Sequence: A124166
Score: 8.45467
Type of gen. func.: ogf

$$-10 f(x) x^2 + 11 f(x) x - f(x) + 100 x$$

Sequence: A124167
Score: 12.3498
Type of gen. func.: revogf

$$-\frac{-90 - 11 x + 3 (9 x^2 + 220 x + 900)^{1/2}}{20 x}$$

Sequence: A124167
Score: 13.8015
Type of gen. func.: ogf

$$\frac{90 x}{(10 x - 1) (x - 1)}$$

Sequence: A124167
Score: 20.8996
Type of gen. func.: lgdogf

$$-\frac{-11 + 20 x}{(10 x - 1) (x - 1)}$$

Sequence: A124167
Score: 6.57215
Type of gen. func.: ogf

$$\{a(n+2) - 11\, a(n+1) + 10\, a(n),\ a(0) = 0,\ a(1) = 90\}$$

Sequence: A124167
Score: 8.90421
Type of gen. func.: ogf

$$-10\, f(x)\, x^2 + 11\, f(x)\, x - f(x) + 90\, x$$

Sequence: A124174
Score: 6.26202
Type of gen. func.: lgdogf

$$-\frac{3\, x^6 + 34\, x^5 - 56\, x^4 - 616\, x^3 + 203\, x^2 + 70\, x + 10}{(x - 1)\,(x^2 + 6\, x + 1)\,(x^2 - 6\, x + 1)\,(x^2 + 9\, x + 1)}$$

Sequence: A124174
Score: 9.07467
Type of gen. func.: ogf

$$-\frac{x\,(x^2 + 9\, x + 1)}{(x - 1)\,(x^2 + 6\, x + 1)\,(x^2 - 6\, x + 1)}$$

Sequence: A124191
Score: 10.4394
Type of gen. func.: revogf

$$\frac{-4\, x - 3 + (24\, x^2 + 8\, x + 3)^{1/2}\, 3^{1/2}}{28\, x}$$

Sequence: A124191
Score: 11.9671
Type of gen. func.: ogf

$$-14\, f(x)\, x^2 - 4\, f(x)\, x + f(x) - 3\, x$$

Sequence: A124191
Score: 12.3202
Type of gen. func.: ogf

$$-\frac{3x}{14x^2+4x-1}$$

Sequence: A124191
Score: 18.3733
Type of gen. func.: lgdogf

$$-\frac{4(1+7x)}{14x^2+4x-1}$$

Sequence: A124191
Score: 5.70934
Type of gen. func.: ogf

$$\{-a(n+2)+4a(n+1)+14a(n), a(0)=0, a(1)=3\}$$

Sequence: A124217
Score: 11.0400
Type of gen. func.: ogf

$$-\frac{x^2+x-1}{x^4-x^2-2x+1}$$

Sequence: A124217
Score: 12.6891
Type of gen. func.: lgdogf

$$-\frac{2x^5+3x^4-4x^3+x^2+1}{(x^2+x-1)(x^4-x^2-2x+1)}$$

Sequence: A124217
Score: 7.56671
Type of gen. func.: ogf

$$f(x)\, x^4 - f(x)\, x^2 - 2\, f(x)\, x + x^2 + f(x) + x - 1$$

Sequence: A124242
Score: 9.28538
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^6 + x^5 + x^4 - x^2 - x + 1}{x^8 + x^6 + x^4 + x^2 + 1}$$

Sequence: A124243
Score: 9.23317
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^7 - x^6 + x^5 - x^4 + x^3 - x^2 + x - 1}{-x^9 - 1}$$

Sequence: A124280
Score: 14.7120
Type of gen. func.: ogf

$$- \frac{1}{x^4 - x^3 + x^2 + x - 1}$$

Sequence: A124280
Score: 17.0392
Type of gen. func.: lgdogf

$$- \frac{4\, x^3 - 3\, x^2 + 2\, x + 1}{x^4 - x^3 + x^2 + x - 1}$$

Sequence: A124280
Score: 5.47141
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^4 - f(x) x^3 + f(x) x^2 + f(x) x - f(x) + 1)$$

Sequence: A124281
Score: 15.3593
Type of gen. func.: ogf

$$- \frac{1}{2 x^4 - 2 x^3 + 2 x^2 + x - 1}$$

Sequence: A124281
Score: 15.3878
Type of gen. func.: lgdogf

$$- \frac{8 x^3 - 6 x^2 + 4 x + 1}{2 x^4 - 2 x^3 + 2 x^2 + x - 1}$$

Sequence: A124281
Score: 5.71212
Type of gen. func.: ogf

$$-(3 f(x) + 2) (2 f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 + f(x) x - f(x) + 1)$$

Sequence: A124292
Score: 11.5093
Type of gen. func.: lgdogf

$$- \frac{15 x^4 - 30 x^3 + 24 x^2 - 8 x + 1}{(5 x^2 - 5 x + 1) (3 x^3 - 9 x^2 + 6 x - 1)}$$

Sequence: A124292
Score: 12.1028

Type of gen. func.: ogf

$$-\frac{5 x^{2} - 5 x + 1}{3 x^{3} - 9 x^{2} + 6 x - 1}$$

Sequence: A124292
Score: 6.41972
Type of gen. func.: ogf

$$-(3 f(x) - 7) (3 f(x) x^{3} - 9 f(x) x^{2} + 6 f(x) x + 5 x^{2} - f(x) - 5 x + 1)$$

Sequence: A124292
Score: 6.59168
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 9 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A124293
Score: 5.2039
Type of gen. func.: ogf

$$(5 f(x) + 12) (11 f(x) x^{4} - 37 f(x) x^{3} + 32 f(x) x^{2} + 19 x^{3} - 10 f(x) x - 24 x^{2} + f(x) + 9 x - 1)$$

Sequence: A124293
Score: 7.29040
Type of gen. func.: lgdogf

$$-\frac{209 x^{6} - 528 x^{5} + 577 x^{4} - 330 x^{3} + 102 x^{2} - 16 x + 1}{(19 x^{3} - 24 x^{2} + 9 x - 1) (11 x^{4} - 37 x^{3} + 32 x^{2} - 10 x + 1)}$$

Sequence: A124293
Score: 9.02847
Type of gen. func.: ogf

$${}^{3} \qquad {}^{2}$$

$$-\frac{19 x - 24 x + 9 x - 1}{11 x^4 - 37 x^3 + 32 x^2 - 10 x + 1}$$

Sequence: A124294
Score: 5.67374
Type of gen. func.: ogf

$$-\frac{91 x^4 - 135 x^3 + 68 x^2 - 14 x + 1}{53 x^5 - 189 x^4 + 192 x^3 - 81 x^2 + 15 x - 1}$$

Sequence: A124295
Score: 4.66734
Type of gen. func.: ogf

$$-\frac{531 x^5 - 881 x^4 + 535 x^3 - 151 x^2 + 20 x - 1}{309 x^6 - 1157 x^5 + 1314 x^4 - 669 x^3 + 170 x^2 - 21 x + 1}$$

Sequence: A124296
Score: 6.17972
Type of gen. func.: ogf

$$-\frac{x^5 + 9 x^4 - 15 x^3 + x^2 + 3 x - 1}{(x - 1) (x + 1) (x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A124297
Score: 6.07463
Type of gen. func.: ogf

$$-\frac{11 x^5 - 21 x^4 - 15 x^3 + 31 x^2 - 7 x - 1}{(x - 1) (x + 1) (x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A124302
Score: 11.2575

Type of gen. func.: ogf

$$3 f(x) x^2 - 4 f(x) x - x^2 + f(x) + 3 x - 1$$

Sequence: A124302
Score: 15.0808
Type of gen. func.: ogf

$$\frac{x^2 - 3 x + 1}{(3 x - 1) (x - 1)}$$

Sequence: A124302
Score: 19.6419
Type of gen. func.: lgdogf

$$\frac{5 x^2 - 4 x + 1}{(x - 1) (3 x - 1) (x^2 - 3 x + 1)}$$

Sequence: A124302
Score: 7.83610
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 3 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A124303
Score: 10.4996
Type of gen. func.: ogf

$$\frac{3 x^3 - 9 x^2 + 6 x - 1}{(2 x - 1) (-1 + 4 x) (x - 1)}$$

Sequence: A124303
Score: 5.52611
Type of gen. func.: ogf

$$\{-a(n + 4) + 7 a(n + 3) - 14 a(n + 2) + 8 a(n + 1), a(0) = 1, a(1) = 1,$$

$a(2) = 2, a(3) = 5\}$

Sequence: A124303
Score: 7.49971
Type of gen. func.: ogf

$$8 f(x) x^3 - 14 f(x) x^2 - 3 x^3 + 7 f(x) x + 9 x^2 - f(x) - 6 x + 1$$

Sequence: A124303
Score: 9.31541
Type of gen. func.: lgdogf

$$\frac{30 x^4 - 54 x^3 + 36 x^2 - 10 x + 1}{(x - 1) (2 x - 1) (-1 + 4 x) (3 x^3 - 9 x^2 + 6 x - 1)}$$

Sequence: A124311
Score: 19.2783
Type of gen. func.: lgdegf]

$$-2 a(n) + (-1 - n) a(n + 1), a(0) = -1, a(1) = 4$$

Sequence: A124312
Score: 13.5903
Type of gen. func.: lgdogf

$$- \frac{2 x (2 x^4 - x^3 - x^2 - x - 1)}{(x - 1) (x^5 + x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A124312
Score: 9.40092
Type of gen. func.: ogf

$$\frac{x^2 (x - 1)}{x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A124313
Score: 11.1425
Type of gen. func.: lgdogf

$$-\frac{2 x^3 (x^4 + 2 x^3 + 3 x^2 - x - 2)}{(x^3 + x^2 + x - 1) (x^5 + x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A124313
Score: 8.43181
Type of gen. func.: ogf

$$\frac{x^3 + x^2 + x - 1}{x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A124314
Score: 11.3816
Type of gen. func.: ogf

$$\frac{1}{x^5 - x^4 - x^3 - x^2 - x - 1}$$

Sequence: A124314
Score: 15.0196
Type of gen. func.: lgdogf

$$-\frac{5 x^4 - 4 x^3 - 3 x^2 - 2 x - 1}{x^5 - x^4 - x^3 - x^2 - x - 1}$$

Sequence: A124340
Score: 6.43530
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4 x^6 + 2 x^5 + 3 x^4 + x^3 + 3 x^2 + x + 2}{\quad 7 \quad 6 \quad 5 \quad 4 \quad 3 \quad 2}$$

$$-x - x - x - x - x - x - x - 1$$

Sequence: A124342
Score: 13.8820
Type of gen. func.: ogf

$$-\frac{x + 1}{2 x^{3} - 2 x - 1}$$

Sequence: A124342
Score: 16.1632
Type of gen. func.: lgdogf

$$-\frac{(2 x + 1) (2 x^{2} + 2 x - 1)}{(x + 1) (2 x^{3} - 2 x - 1)}$$

Sequence: A124342
Score: 6.64563
Type of gen. func.: ogf

$$\{a(n + 3) + 2 a(n + 2) - 2 a(n), a(0) = 1, a(1) = -1, a(2) = 2\}$$

Sequence: A124342
Score: 9.9157
Type of gen. func.: ogf

$$-2 f(x) x^{3} + 2 f(x) x + f(x) - x - 1$$

Sequence: A124349
Score: 14.1274
Type of gen. func.: ogf

$$-\frac{2 (4 x^{2} - 3 x - 3)}{(x + 1) (x - 1)^{2}}$$

Sequence: A124349
Score: 17.9829
Type of gen. func.: lgdogf

$$-\frac{2\,(2 x^3 - x^2 - 2 x - 3)}{(x - 1)\,(x + 1)\,(4 x^2 - 3 x - 3)}$$

Sequence: A124349
Score: 7.18143
Type of gen. func.: ogf

$$-(182 f(x) + 4175)\,(f(x) x^3 - f(x) x^2 - f(x) x + 8 x^2 + f(x) - 6 x - 6)$$

Sequence: A124349
Score: 7.55939
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 6, a(1) = 12, a(2) = 10\}$$

Sequence: A124350
Score: 11.7373
Type of gen. func.: lgdogf

$$-\frac{2\,(x^5 + 7 x^4 + 10 x^3 + 18 x^2 + 9 x + 3)}{(x - 1)\,(x + 1)\,(x^2 + 1)\,(x^2 + 4 x + 1)}$$

Sequence: A124350
Score: 7.34328
Type of gen. func.: ogf

$$\frac{4 x\,(x^2 + 1)\,(x^2 + 4 x + 1)}{(x + 1)^2\,(x - 1)^4}$$

Sequence: A124351

Score: 13.0000
Type of gen. func.: ogf

$$\frac{4\,(8\,x^3 - 16\,x^2 + 6\,x + 3)}{(x - 1)^2}$$

Sequence: A124351
Score: 16.5765
Type of gen. func.: lgdogf

$$\frac{2\,(2\,x - 3)\,(2\,x^2 - 3\,x + 2)}{(x - 1)\,(8\,x^3 - 16\,x^2 + 6\,x + 3)}$$

Sequence: A124351
Score: 7.16099
Type of gen. func.: ogf

{-a(n + 4) + 2 a(n + 3) - a(n + 2), a(0) = 12, a(1) = 48, a(2) = 20, a(3) = 24}

Sequence: A124351
Score: 7.6818
Type of gen. func.: ogf

$$(703\,f(x) + 4160)\,(f(x)\,x^2 - 32\,x^3 - 2\,f(x)\,x + 64\,x^2 + f(x) - 24\,x - 12)$$

Sequence: A124352
Score: 5.02719
Type of gen. func.: ogf

$$- \frac{4\,(14\,x^8 + 15\,x^7 - 41\,x^6 - 73\,x^5 + 61\,x^4 + 84\,x^3 - 60\,x^2 - 96\,x + 60)}{(x^3 + 2\,x^2 + x - 1)^2\,(x - 1)^3}$$

Sequence: A124353
Score: 11.1811
Type of gen. func.: ogf

$$-\frac{2 (3 x^4 - 4 x^3 - 8 x^2 + 3)}{(x^3 + 2 x^2 + x - 1) (x - 1)^2}$$

Sequence: A124353
Score: 8.76455
Type of gen. func.: lgdogf

$$-\frac{9 x^7 + 15 x^6 - 12 x^5 - 70 x^4 - 38 x^3 + 56 x^2 + 33 x - 29}{(x - 1) (x^3 + 2 x^2 + x - 1) (9 x^4 + 3 x^3 - 15 x^2 - 19 x + 16)}$$

Sequence: A124354
Score: 11.4189
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x + 36 x^2 - f(x) - 80 x + 48$$

Sequence: A124354
Score: 15.0892
Type of gen. func.: ogf

$$\frac{4 (9 x^2 - 20 x + 12)}{(x - 1)^2}$$

Sequence: A124354
Score: 27.6275
Type of gen. func.: lgdogf

$$\frac{2 (x - 2)}{(x - 1) (9 x^2 - 20 x + 12)}$$

Sequence: A124354
Score: 8.04759
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 48, a(1) = 16, a(2) = 20\}$$

Sequence: A124355
Score: 12.787
Type of gen. func.: egf]

$$f(x) x + x^2 - f(x)$$

Sequence: A124355
Score: 19.8419
Type of gen. func.: egf]

$$-\frac{x^2}{x - 1}$$

Sequence: A124355
Score: 5.87157
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 1) + a(n + 2), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A124355
Score: 71.1657
Type of gen. func.: lgdegf]

$$-\frac{1}{x - 1}$$

Sequence: A124356
Score: 14.1811
Type of gen. func.: ogf

$$-\frac{2 (2 x^2 - 3 x - 1)}{(x + 1) (x - 1)^2}$$

Sequence: A124356
Score: 18.8536
Type of gen. func.: lgdogf

$$-\frac{2\,(x^3 - 2\,x^2 - x - 2)}{(x - 1)\,(x + 1)\,(2\,x^2 - 3\,x - 1)}$$

Sequence: A124356
Score: 7.20873
Type of gen. func.: ogf

$$-(118\,f(x) + 1099)\,(f(x)\,x^3 - f(x)\,x^2 - f(x)\,x + 4\,x^2 + f(x) - 6\,x - 2)$$

Sequence: A124356
Score: 7.72363
Type of gen. func.: ogf

{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 2, a(1) = 8, a(2) = 6}

Sequence: A124363
Score: 13.6366
Type of gen. func.: lgdogf

$$-\frac{71\,x^3 - 57\,x^2 - 63\,x + 73}{(x - 1)\,(71\,x^3 - 135\,x^2 + 69\,x + 1)}$$

Sequence: A124363
Score: 5.07453
Type of gen. func.: ogf

$$(299\,f(x) + 107449)\,(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - 71\,x^3 - 4\,f(x)\,x$$
$$+ 135\,x^2 + f(x) - 69\,x - 1)$$

Sequence: A124363
Score: 9.27198

Type of gen. func.: ogf

$$\frac{71 x^3 - 135 x^2 + 69 x + 1}{(x - 1)^4}$$

Sequence: A124370
Score: 14.0940
Type of gen. func.: ogf

$$- \frac{1}{x^4 + 3 x^3 + 2 x^2 - 1}$$

Sequence: A124370
Score: 16.8604
Type of gen. func.: lgdogf

$$- \frac{x (4 x^2 + 9 x + 4)}{x^4 + 3 x^3 + 2 x^2 - 1}$$

Sequence: A124370
Score: 5.9833
Type of gen. func.: ogf

$$-(109 f(x) - 24) (f(x) x^4 + 3 f(x) x^3 + 2 f(x) x^2 - f(x) + 1)$$

Sequence: A124388
Score: 18.0293
Type of gen. func.: ogf

$$\frac{9 (x + 2)}{(x - 1)^2}$$

Sequence: A124388
Score: 27.1233
Type of gen. func.: revogf

$$-\frac{-9 - x + 3 (9 + 3 x)^{1/2}}{-9 + x}$$

Sequence: A124388
Score: 45.2056
Type of gen. func.: lgdogf

$$-\frac{5 + x}{(x + 2) (x - 1)}$$

Sequence: A124388
Score: 9.21499
Type of gen. func.: ogf

$$(26 f(x) + 1407) (f(x) x^2 - 2 f(x) x + f(x) - 9 x - 18)$$

Sequence: A124388
Score: 9.87319
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 18, a(1) = 45\}$$

Sequence: A124395
Score: 16.0671
Type of gen. func.: ogf

$$-\frac{2 x - 1}{2 x^3 - 2 x + 1}$$

Sequence: A124395
Score: 22.1333
Type of gen. func.: lgdogf

$$-\frac{2 x^2 (4 x - 3)}{(2 x - 1) (2 x^3 - 2 x + 1)}$$

Sequence: A124395
Score: 7.85891
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - 2 a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$$

Sequence: A124395
Score: 8.50612
Type of gen. func.: ogf

$$(f(x) - 1) (2 f(x) x^3 - 2 f(x) x + f(x) + 2 x - 1)$$

Sequence: A124400
Score: 17.4212
Type of gen. func.: ogf

$$\frac{1}{(x + 1) (x^3 - x^2 - 2 x + 1)}$$

Sequence: A124400
Score: 18.9334
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 6 x - 1}{(x + 1) (x^3 - x^2 - 2 x + 1)}$$

Sequence: A124400
Score: 7.14269
Type of gen. func.: ogf

$$(25 f(x) + 2) (f(x) x^4 - 3 f(x) x^2 - f(x) x + f(x) - 1)$$

Sequence: A124427
Score: 21.9807

Type of gen. func.: lgdegf]

$$\frac{\exp(x)\, x + \exp(x) + x + 2}{x + 1}$$

Sequence: A124429
Score: 4.38212
Type of gen. func.: ogf

$$(5 f(x) - 4) (f(x)^2 x^4 - f(x)^2 x^3 + 2 f(x)^2 x^2 + f(x) x^3 - f(x)^2 x - f(x) x^2 + 2 f(x) x - f(x) + 1)$$

Sequence: A124431
Score: 5.72561
Type of gen. func.: ogf

$$-f(x)^2 x^3 + 4 f(x)^2 x^2 - f(x)^2 x - f(x) x^2 + 4 f(x) x - f(x) + 1$$

Sequence: A124436
Score: 5.75989
Type of gen. func.: lgdegf]

$$8 - 12 f(x) + 6 f(x)^2 - f(x)^3$$

Sequence: A124437
Score: 15.6729
Type of gen. func.: ogf

$$-\frac{100 x}{(x - 1)^3}$$

Sequence: A124437
Score: 6.40546
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 100, a(2) = 300\}$$

Sequence: A124437
Score: 9.3244
Type of gen. func.: ogf

$$f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 100 x$$

Sequence: A124437
Score: 90.7244
Type of gen. func.: lgdogf

$$-\frac{3}{x - 1}$$

Sequence: A124449
Score: 14.9814
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4 x^5 - 3 x^4 - 2 x^2 - 3}{x^6 - 1}$$

Sequence: A124479
Score: 17.0979
Type of gen. func.: lgdogf

$$-\frac{6 x^3 - 15 x^2 + 8 x + 11}{(x - 1) (3 x^3 - 8 x^2 + 6 x + 1)}$$

Sequence: A124479
Score: 4.28784
Type of gen. func.: ogf

$$\{(-119 n^2 - 865 n - 1254) a(n + 1) + (232 n^2 + 1166 n + 780) a(n + 2)$$

$$+ (-113 n^2 - 325 n - 198) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 11\}$$

Sequence: A124479
Score: 9.14110
Type of gen. func.: ogf

$$-\frac{x\,(3\,x^{3}-8\,x^{2}+6\,x+1)}{(x-1)^{5}}$$

Sequence: A124502
Score: 13.2437
Type of gen. func.: lgdogf

$$-\frac{7\,x^{6}+6\,x^{5}-5\,x^{4}-2\,x-1}{(x-1)\,(x^{2}+x-1)\,(x^{4}+x^{3}+x^{2}+x+1)}$$

Sequence: A124502
Score: 15.5211
Type of gen. func.: ogf

$$\frac{1}{(x-1)\,(x^{2}+x-1)\,(x^{4}+x^{3}+x^{2}+x+1)}$$

Sequence: A124504
Score: 40.2553
Type of gen. func.: lgdegf]

$$-\frac{x^{2}}{2}+\exp(x)$$

Sequence: A124593
Score: 4.08066
Type of gen. func.: ogf

$$-(x^{15}+x^{14}-x^{13}-4\,x^{12}-3\,x^{11}+3\,x^{10}+5\,x^{9}+4\,x^{8}-2\,x^{7}-3\,x^{6}-3\,x^{5}$$
$$-x^{4}+2\,x^{3}+x^{2}-1)\;\Big/\;\left((x+1)\,(x^{2}+x+1)^{2}\,(x-1)^{4}\right)$$

Sequence: A124610
Score: 13.1884
Type of gen. func.: ogf

$$\frac{-1 + 4 x}{2 x^{2} + 5 x - 1}$$

Sequence: A124610
Score: 14.5279
Type of gen. func.: revogf

$$\frac{-1 - 5 x + (33 x^{2} - 6 x + 1)^{1/2}}{4 (x - 2)}$$

Sequence: A124610
Score: 15.7058
Type of gen. func.: lgdogf

$$- \frac{8 x^{2} - 4 x - 1}{(-1 + 4 x) (2 x^{2} + 5 x - 1)}$$

Sequence: A124610
Score: 6.82161
Type of gen. func.: ogf

$$(51 f(x) - 50) (2 f(x) x^{2} + 5 f(x) x - f(x) - 4 x + 1)$$

Sequence: A124610
Score: 7.23756
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A124615
Score: 17.3602
Type of gen. func.: lgdogf

$$-\frac{2(9x^3+11x^2+8x+2)}{(x-1)(x+1)(x^2+x+1)}$$

Sequence: A124615
Score: 37.5851
Type of gen. func.: egf]_with_Euler_transform]

$$(x+2)^2$$

Sequence: A124625
Score: 15.4807
Type of gen. func.: ogf

$$\frac{2x^3-x^2+1}{(x+1)^2(x-1)^2}$$

Sequence: A124625
Score: 20.2382
Type of gen. func.: lgdogf

$$-\frac{2x(x^3-x^2+3x+1)}{(x-1)(x+1)(2x^3-x^2+1)}$$

Sequence: A124625
Score: 9.25806
Type of gen. func.: ogf

$$-(8f(x)+21)(f(x)x^4-2f(x)x^2-2x^3+x^2+f(x)-1)$$

Sequence: A124630
Score: 3.87472

Type of gen. func.: ogf

$$-\frac{x^{10} + 3x^6 + x^5 + 3x^4 + 1}{(x^2 + 1)(x^2 + x + 1)^3 (x + 1)^4 (x - 1)^7}$$

Sequence: A124647
Score: 14.2659
Type of gen. func.: ogf

$$\frac{3x + 1}{(3x - 1)^2}$$

Sequence: A124647
Score: 17.0069
Type of gen. func.: revogf

$$-\frac{-1 - 6x + (1 + 24x)^{1/2}}{6(3x - 1)}$$

Sequence: A124647
Score: 26.2189
Type of gen. func.: lgdogf

$$-\frac{9(x + 1)}{(3x - 1)(3x + 1)}$$

Sequence: A124647
Score: 7.37893
Type of gen. func.: ogf

$$(16 f(x) + 65)(9 f(x) x^2 - 6 f(x) x + f(x) - 3x - 1)$$

Sequence: A124647
Score: 7.82885
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 9 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A124657
Score: 12.6786
Type of gen. func.: revegf]

$$-\frac{6^{1/2} - (36 + 6 x)^{(1/4)}}{(36 + 6 x)^{1/4}}$$

Sequence: A124657
Score: 5.69755
Type of gen. func.: ogf

$$\{(-n - 6) a(n + 1) + a(n + 2), a(0) = 24, a(1) = 120\}$$

Sequence: A124657
Score: 63.3931
Type of gen. func.: lgdegf]

$$-\frac{5}{x - 1}$$

Sequence: A124657
Score: 8.64128
Type of gen. func.: egf]

$$-\frac{24}{(x - 1)^5}$$

Sequence: A124671
Score: 10.1355
Type of gen. func.: ogf

$$-\frac{3 x^2 - 3 x + 1}{(2 x - 1) (x - 1)^4}$$

Sequence: A124671
Score: 14.8437
Type of gen. func.: lgdogf

$$-\frac{18 x^3 - 24 x^2 + 13 x - 3}{(x - 1) (2 x - 1) (3 x^2 - 3 x + 1)}$$

Sequence: A124696
Score: 10.4645
Type of gen. func.: ogf

$$-\frac{2 x^3 + x^2 - 1}{(x^2 + 2 x - 1) (x - 1)}$$

Sequence: A124696
Score: 11.6969
Type of gen. func.: lgdogf

$$\frac{x^4 - 12 x^3 + 6 x^2 + 4 x - 3}{(x - 1) (x^2 + 2 x - 1) (2 x^3 + x^2 - 1)}$$

Sequence: A124696
Score: 5.11425
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) + a(n + 2) + a(n + 1), a(0) = 1, a(1) = 3, a(2) = 7,

a(3) = 15}

Sequence: A124696
Score: 5.91473
Type of gen. func.: ogf

$$(f(x) + 7) (f(x) x^3 + f(x) x^2 + 2 x^3 - 3 f(x) x + x^2 + f(x) - 1)$$

Sequence: A124697
Score: 5.40464
Type of gen. func.: ogf

$$-(5 f(x) + 13) (f(x) x^4 - 2 f(x) x^3 + 3 x^4 - 3 f(x) x^2 - 4 x^3 + 4 f(x) x - 3 x^2 - f(x) + 1)$$

Sequence: A124697
Score: 7.37640
Type of gen. func.: lgdogf

$$- \frac{2 (x^6 + 6 x^5 - 21 x^4 + 24 x^3 - 3 x^2 - 6 x + 2)}{(x^2 - 3 x + 1) (x^2 + x - 1) (3 x^4 - 4 x^3 - 3 x^2 + 1)}$$

Sequence: A124697
Score: 9.74170
Type of gen. func.: ogf

$$- \frac{3 x^4 - 4 x^3 - 3 x^2 + 1}{(x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A124698
Score: 4.43929
Type of gen. func.: ogf

$$-(f(x) + 18) (4 f(x) x^4 - 2 f(x) x^3 + 12 x^4 - 6 f(x) x^2 - 4 x^3 + 5 f(x) x - 6 x^2 - f(x) + 1)$$

Sequence: A124698
Score: 6.59168
Type of gen. func.: lgdogf

$$- \frac{8 x^6 + 96 x^5 - 192 x^4 + 104 x^3 + 12 x^2 - 24 x + 5}{(x - 1) (2 x - 1) (2 x^2 + 2 x - 1) (12 x^4 - 4 x^3 - 6 x^2 + 1)}$$

Sequence: A124698
Score: 7.95824
Type of gen. func.: ogf

$$-\frac{12x^4-4x^3-6x^2+1}{(x-1)(2x-1)(2x^2+2x-1)}$$

Sequence: A124699
Score: 6.15781
Type of gen. func.: ogf

$$-\frac{5x^6+8x^5-27x^4+10x^2-1}{(x^3+3x^2-4x+1)(x^3-x^2-2x+1)}$$

Sequence: A124700
Score: 4.62362
Type of gen. func.: ogf

$$-\frac{(2x-1)(3x^6-6x^5-21x^4+12x^3+11x^2-2x-1)}{(x-1)(x^2+2x-1)(x^4-4x^3-2x^2+4x-1)}$$

Sequence: A124701
Score: 4.57072
Type of gen. func.: ogf

$$-\frac{36x^7-15x^6-96x^5+60x^4+28x^3-21x^2+1}{(2x-1)(x^3-3x+1)(3x^3-3x+1)}$$

Sequence: A124702
Score: 3.66769
Type of gen. func.: ogf

9 8 7 6 5 4 3 2

$$-\frac{8 x + 21 x - 108 x - 30 x + 196 x - 63 x - 56 x + 28 x - 1}{(x - 1) (x^2 - 3 x + 1) (x^2 + x - 1) (x^4 + 6 x^3 + x^2 - 4 x + 1)}$$

Sequence: A124720
Score: 12.7227
Type of gen. func.: ogf

$$\frac{3 x - 2}{(2 x^2 - 1) (2 x - 1)^2}$$

Sequence: A124720
Score: 15.8822
Type of gen. func.: lgdogf

$$-\frac{36 x^3 - 38 x^2 + 2 x + 5}{(2 x - 1) (3 x - 2) (2 x^2 - 1)}$$

Sequence: A124720
Score: 3.86110
Type of gen. func.: ogf

$$\{(4 n + 32) a(n + 1) + (-2 n - 14) a(n + 2) + (-2 n - 16) a(n + 3)$$

$$+ (n + 7) a(n + 4), a(0) = 2, a(1) = 5, a(2) = 16, a(3) = 38\}$$

Sequence: A124720
Score: 6.15937
Type of gen. func.: ogf

$$(551 f(x) - 4851)$$

$$(8 f(x) x^4 - 8 f(x) x^3 - 2 f(x) x^2 + 4 f(x) x - f(x) - 3 x + 2)$$

Sequence: A124721
Score: 13.2635
Type of gen. func.: lgdogf

4 3 2

$$-\frac{2\,(8\,x - 13\,x + 3\,x - x + 2)}{(x-1)\,(2\,x-1)\,(2\,x^{3}-1)}$$

Sequence: A124721
Score: 7.66406
Type of gen. func.: ogf

$$\frac{2\,(x-1)^{2}}{(2\,x^{3}-1)\,(2\,x-1)^{3}}$$

Sequence: A124722
Score: 10.4686
Type of gen. func.: lgdogf

$$-\frac{60\,x^{4} - 138\,x^{3} + 84\,x^{2} + x - 9}{(x-1)\,(2\,x-1)\,(3\,x-2)\,(2\,x^{2}-1)}$$

Sequence: A124722
Score: 6.03352
Type of gen. func.: ogf

$$-\frac{(3\,x-2)\,(x-1)^{2}}{(2\,x^{2}-1)^{2}\,(2\,x-1)^{4}}$$

Sequence: A124723
Score: 4.32809
Type of gen. func.: ogf

$$\frac{2\,(3\,x^{2} - 2\,x + 1)\,(x-1)^{2}}{(2\,x^{5}-1)\,(2\,x-1)^{5}}$$

Sequence: A124723
Score: 6.67746

Type of gen. func.: lgdogf

$$-\frac{2\,(36\,x^8 - 79\,x^7 + 65\,x^6 - 31\,x^5 + 5\,x^4 - 3\,x^3 + 7\,x^2 - 5\,x + 3)}{(x - 1)\,(2\,x - 1)\,(3\,x^2 - 2\,x + 1)\,(2\,x^5 - 1)}$$

Sequence: A124724
Score: 20.8292
Type of gen. func.: revogf

$$1 - x - (x - 1)^{(5/4)}\,(-1)^{(3/4)}$$

Sequence: A124745
Score: 12.5017
Type of gen. func.: ogf

$$\frac{x + 1}{x^3 - x^2 + 1}$$

Sequence: A124745
Score: 17.6706
Type of gen. func.: lgdogf

$$-\frac{2\,x^3 + 2\,x^2 - 2\,x - 1}{(x + 1)\,(x^3 - x^2 + 1)}$$

Sequence: A124745
Score: 6.51683
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1) - a(n),\ a(0) = 1,\ a(1) = 1,\ a(2) = 1\}$$

Sequence: A124745
Score: 6.88295
Type of gen. func.: ogf

3 2

$$-(f(x) - 3) (f(x) x - f(x) x + f(x) - x - 1)$$

Sequence: A124746
Score: 12.6269
Type of gen. func.: ogf

$$\frac{x^2 + 1}{x^5 - x^4 + 1}$$

Sequence: A124746
Score: 14.6422
Type of gen. func.: lgdogf

$$-\frac{x (x - 1) (3 x^4 + x^3 + 6 x^2 + 2 x + 2)}{(x^2 + 1) (x^5 - x^4 + 1)}$$

Sequence: A124746
Score: 7.19596
Type of gen. func.: ogf

$$-(2 f(x) - 1) (f(x) x^5 - f(x) x^4 - x^2 + f(x) - 1)$$

Sequence: A124750
Score: 10.1324
Type of gen. func.: ogf

$$f(x) x^4 - f(x) x^3 - x^2 + f(x) - x - 1$$

Sequence: A124750
Score: 12.6211
Type of gen. func.: ogf

$$\frac{x^2 + x + 1}{x^4 - x^3 + 1}$$

Sequence: A124750
Score: 15.5300
Type of gen. func.: lgdogf

$$-\frac{(x-1)\,(2\,x^{4}+4\,x^{3}+6\,x^{2}+3\,x+1)}{(x^{2}+x+1)\,(x^{4}-x^{3}+1)}$$

Sequence: A124750
Score: 6.78681
Type of gen. func.: ogf

$$\{a(n+4)-a(n+1)+a(n),\ a(0)=1,\ a(1)=1,\ a(2)=1,\ a(3)=1\}$$

Sequence: A124751
Score: 10.7826
Type of gen. func.: ogf

$$\frac{(x^{2}+x+1)\,(x^{2}-x+1)}{x^{7}-x^{6}+1}$$

Sequence: A124751
Score: 9.43978
Type of gen. func.: lgdogf

$$-\frac{x\,(3\,x^{9}-2\,x^{8}+5\,x^{7}-4\,x^{6}+7\,x^{5}-6\,x^{4}-4\,x^{2}-2)}{(x^{2}+x+1)\,(x^{2}-x+1)\,(x^{7}-x^{6}+1)}$$

Sequence: A124779
Score: 10.6372
Type of gen. func.: ogf

$$\frac{36\,x^{35}-36\,x^{34}+12\,x^{11}-12\,x^{10}+4\,x^{3}-3\,x^{2}-x-1}{x-1}$$

Sequence: A124779
Score: 7.35362
Type of gen. func.: lgdogf

$$(1224 x^{35} - 2448 x^{34} + 1224 x^{33} + 120 x^{11} - 240 x^{10} + 120 x^{9} + 8 x^{3} - 15 x^{2} + 6 x + 2) / ((x - 1) (36 x^{35} - 36 x^{34} + 12 x^{11} - 12 x^{10} + 4 x^{3} - 3 x^{2} - x - 1))$$

Sequence: A124789
Score: 14.8323
Type of gen. func.: ogf

$$-\frac{x^{2} + 1}{x^{5} + x^{4} - 1}$$

Sequence: A124789
Score: 14.9601
Type of gen. func.: lgdogf

$$-\frac{x (x + 1) (3 x^{4} - x^{3} + 6 x^{2} - 2 x + 2)}{(x^{2} + 1) (x^{5} + x^{4} - 1)}$$

Sequence: A124789
Score: 8.45284
Type of gen. func.: ogf

$$-(2 f(x) - 1) (f(x) x^{5} + f(x) x^{4} + x^{2} - f(x) + 1)$$

Sequence: A124791
Score: 19.7829
Type of gen. func.: revogf

$$-1 + x - x^{2} + (4 x + 1)^{1/2}$$

$$\frac{}{x^2 + 3}$$

Sequence: A124791
Score: 6.53051
Type of gen. func.: ogf

$$-f(x)^2 x^3 - 2 f(x)^2 x^2 - f(x)^2 x + 2 f(x) x + 2 f(x) - 3 x - 2$$

Sequence: A124793
Score: 5.0312
Type of gen. func.: ogf

$$(2578 f(x) - 103) (32 f(x) x^3 + 32 f(x) x^2 - f(x) x + 8 x^2 - f(x) + 6 x + 1)$$

Sequence: A124793
Score: 5.16244
Type of gen. func.: ogf

$$\{a(n + 3) + a(n + 2) - 32 a(n + 1) - 32 a(n), a(0) = 1, a(1) = 5, a(2) = 35\}$$

Sequence: A124793
Score: 8.67915
Type of gen. func.: lgdogf

$$- \frac{256 x^4 + 384 x^3 + 296 x^2 + 80 x + 5}{(4 x + 1) (2 x + 1) (x + 1) (32 x^2 - 1)}$$

Sequence: A124793
Score: 9.42351
Type of gen. func.: ogf

$$- \frac{(2 x + 1) (4 x + 1)}{(x + 1) (32 x^2 - 1)}$$

Sequence: A124805
Score: 4.55363
Type of gen. func.: ogf

$$\{a(n + 4) - 4 a(n + 3) + a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = 4, a(2) = 14, a(3) = 46\}$$

Sequence: A124805
Score: 5.00153
Type of gen. func.: ogf

$$-(34 f(x) + 113) (2 f(x) x^3 + f(x) x^2 + 4 x^3 - 4 f(x) x + x^2 + f(x) - 1)$$

Sequence: A124805
Score: 9.38748
Type of gen. func.: ogf

$$- \frac{4 x^3 + x^2 - 1}{(x - 1) (2 x^2 + 3 x - 1)}$$

Sequence: A124805
Score: 9.79465
Type of gen. func.: lgdogf

$$\frac{2 (x^4 - 16 x^3 + 7 x^2 + 2 x - 2)}{(x - 1) (2 x^2 + 3 x - 1) (4 x^3 + x^2 - 1)}$$

Sequence: A124806
Score: 5.91058
Type of gen. func.: lgdogf

$$\frac{x^8 - 20 x^7 - 32 x^6 + 68 x^5 + 35 x^4 - 116 x^3 + 30 x^2 + 12 x - 5}{(x^2 + x - 1) (4 x^5 + 3 x^4 - 10 x^3 - 3 x^2 + 1) (x^3 - 4 x + 1)}$$

Sequence: A124806
Score: 6.58310
Type of gen. func.: ogf

$$-\frac{4x^5+3x^4-10x^3-3x^2+1}{(x^2+x-1)(x^3-4x+1)}$$

Sequence: A124807
Score: 5.31670
Type of gen. func.: ogf

$$-\frac{5x^6-8x^5-15x^4+16x^3+6x^2-1}{(x^3-x^2-4x+1)(x^3-x^2-2x+1)}$$

Sequence: A124810
Score: 10.1899
Type of gen. func.: ogf

$$\frac{3(2x-1)}{(3x^2-1)(3x-1)^2}$$

Sequence: A124810
Score: 13.6794
Type of gen. func.: lgdogf

$$-\frac{2(27x^3-21x^2+2)}{(3x-1)(2x-1)(3x^2-1)}$$

Sequence: A124810
Score: 4.93821
Type of gen. func.: ogf

$$-(25 f(x) - 101)$$

$$(27 f(x) x^4 - 18 f(x) x^3 - 6 f(x) x^2 + 6 f(x) x - f(x) - 6x + 3)$$

Sequence: A124811
Score: 8.15450
Type of gen. func.: ogf

$$\frac{8 x^{2} - 9 x + 3}{(3 x^{3} - 1) (3 x - 1)^{3}}$$

Sequence: A124811
Score: 8.22007
Type of gen. func.: lgdogf

$$- \frac{288 x^{5} - 429 x^{4} + 216 x^{3} - 51 x^{2} + 38 x - 18}{(3 x - 1) (8 x^{2} - 9 x + 3) (3 x^{3} - 1)}$$

Sequence: A124812
Score: 5.80747
Type of gen. func.: ogf

$$- \frac{3 (2 x - 1) (3 x^{2} - 3 x + 1)}{(3 x^{2} - 1)^{2} (3 x - 1)^{4}}$$

Sequence: A124812
Score: 8.19147
Type of gen. func.: lgdogf

$$- \frac{270 x^{5} - 504 x^{4} + 351 x^{3} - 81 x^{2} - 15 x + 7}{(3 x - 1) (2 x - 1) (3 x^{2} - 3 x + 1) (3 x^{2} - 1)}$$

Sequence: A124813
Score: 4.10157
Type of gen. func.: ogf

$$\frac{3 (16 x^{4} - 27 x^{3} + 18 x^{2} - 6 x + 1)}{\quad^{5} \qquad\qquad ^{5}}$$

$$(3x - 1)(3x - 1)$$

Sequence: A124817
Score: 9.05325
Type of gen. func.: lgdogf

$$-24 - 125x + (-225x^2 - 15x + 24) f(x) + (-135x^3 + 20x) f(x)^2 + (-27x^4 + 4x^2) f(x)^3$$

Sequence: A124818
Score: 4.48669
Type of gen. func.: ogf

$$-f(x)^3 x^3 - 3 f(x)^3 x^2 - 2 f(x)^3 x + f(x)^3 + 2 f(x)^2 x + f(x)^2 - 2 f(x) x - 2 f(x) - x$$

Sequence: A124820
Score: 12.2332
Type of gen. func.: ogf

$$\frac{x - 1}{x^3 - 3x^2 + 4x - 1}$$

Sequence: A124820
Score: 14.1184
Type of gen. func.: lgdogf

$$-\frac{2x^3 - 6x^2 + 6x - 3}{(x - 1)(x^3 - 3x^2 + 4x - 1)}$$

Sequence: A124820
Score: 5.78895
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$$

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------------------------------------------------------------------------------

Sequence:  A124820
Score: 6.29477
Type of gen. func.: ogf


                              3           2
          (7 f(x) + 2) (f(x) x  - 3 f(x) x  + 4 f(x) x - f(x) - x + 1)



------------------------------------------------------------------------------

Sequence:  A124828
Score: 4.72597
Type of gen. func.: ogf


                        6       5       4       3       2
                    20 x  - 16 x  - 42 x  + 20 x  + 10 x  - 1
               - -------------------------------------------------
                             2                3      2
                 (x - 1) (2 x  + 2 x - 1) (2 x  - 2 x  - 4 x + 1)



------------------------------------------------------------------------------

Sequence:  A124843
Score: 4.76325
Type of gen. func.: ogf


                        6       5       4       3       2
                    60 x  - 16 x  - 87 x  + 20 x  + 15 x  - 1
                 - --------------------------------------------
                       3    2                3    2
                   (6 x  + x  - 5 x + 1) (2 x  - x  - 3 x + 1)



------------------------------------------------------------------------------

Sequence:  A124851
Score: 3.72106
Type of gen. func.: ogf


               8       7        6       5        4       3       2
           28 x  + 24 x  - 150 x  - 16 x  + 150 x  - 14 x  - 21 x  + 1
        - ---------------------------------------------------------------
                      2                5      4      3      2
          (x + 1) (2 x  - 4 x + 1) (2 x  + 4 x  - 8 x  - 5 x  + 6 x - 1)



------------------------------------------------------------------------------

Sequence:  A124852
Score: 3.35007
Type of gen. func.: ogf


         9      8        7      6        5        4       3       2
      9 x  + 7 x  - 112 x  - 8 x  + 313 x  - 201 x  - 27 x  + 27 x  + x - 1
    - ----------------------------------------------------------------------
                             3    2              4       2
           (x - 1) (x + 1) (x  + x  - 4 x + 1) (x  - 11 x  + 7 x - 1)
```

Sequence: A124861
Score: 12.8470
Type of gen. func.: ogf

$$- \frac{1}{(x^2 + x + 1) (2 x^2 + 2 x - 1)}$$

Sequence: A124861
Score: 18.1271
Type of gen. func.: lgdogf

$$- \frac{(2 x + 1)^3}{(x^2 + x + 1) (2 x^2 + 2 x - 1)}$$

Sequence: A124861
Score: 5.38038
Type of gen. func.: ogf

$$(5 f(x) - 4) (2 f(x) x^4 + 4 f(x) x^3 + 3 f(x) x^2 + f(x) x - f(x) + 1)$$

Sequence: A124862
Score: 5.21907
Type of gen. func.: lgdogf

$$-84 + 960 x - 3072 x^2 + (-8192 x^3 + 3840 x^2 - 528 x + 20) f(x)$$
$$+ (-4096 x^4 + 2560 x^3 - 528 x^2 + 40 x - 1) f(x)^2$$

Sequence: A124863
Score: 12.1010
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{12 x^2 - 12 x + 12}{-x^4 + 1}$$

Sequence: A124867
Score: 12.7023
Type of gen. func.: ogf

$$-\frac{x^6 - x^5 + x^3 + 8x - 10}{(x - 1)^2}$$

Sequence: A124867
Score: 13.8449
Type of gen. func.: lgdogf

$$\frac{4x^6 - 9x^5 + 5x^4 + x^3 - 3x^2 - 8x + 12}{(x - 1)(x^6 - x^5 + x^3 + 8x - 10)}$$

Sequence: A124869
Score: 5.60025
Type of gen. func.: ogf

$$-\frac{625x^{10} - 125x^7 - 39x^6 + 65x^5 + 7x^4 - 13x^3 + 2x^2 + x - 1}{(25x^4 - 8x^2 + 1)(25x^4 + 8x^2 + 1)}$$

Sequence: A124870
Score: 7.64700
Type of gen. func.: ogf

$$\frac{31250x^6 - 500x^3 - 25x^2 - 10x - 1}{(50x^2 - 1)(50x^2 + 1)}$$

Sequence: A124925
Score: 8.01358
Type of gen. func.: lgdogf

10 9 8 6 5 4 3 2

```
       x   - 2 x  - 3 x  + 13 x  + 6 x  - 17 x  - 8 x  - 3 x  - 2 x - 3
  - -----------------------------------------------------------------
               2              8    7    6      5      4      3    2
     (x - 1) (x  + x + 1) (x  - x  - x  - 2 x  + 4 x  + 2 x  - x  - 3 x - 1)
```

Sequence: A124925
Score: 8.38010
Type of gen. func.: ogf

```
                8    7    6      5      4      3    2
               x  - x  - x  - 2 x  + 4 x  + 2 x  - x  - 3 x - 1
               ------------------------------------------------
                                   3   2         3
                          (x - 1)  (x  + x + 1)
```

Sequence: A124972
Score: 14.2220
Type of gen. func.: ogf_with_Euler_transform]

```
                                  2
                               8 x  + 8 x + 8
                             - --------------
                                     4
                                   -x  + 1
```

Sequence: A124999
Score: 11.0987
Type of gen. func.: ogf

```
                                           2
                         (2 x - 1) (3 x  + 2 x + 1)
                       - --------------------------
                                          2
                          (x - 1) (3 x  + 4 x - 1)
```

Sequence: A124999
Score: 5.34383
Type of gen. func.: ogf

```
{a(n + 4) - 5 a(n + 3) + a(n + 2) + 3 a(n + 1), a(0) = 1, a(1) = 5, a(2) = 23,

    a(3) = 101}
```

Sequence: A124999
Score: 6.11371
Type of gen. func.: ogf

$$(63 f(x) + 149) (3 f(x) x^3 + f(x) x^2 + 6 x^3 - 5 f(x) x + x^2 + f(x) - 1)$$

Sequence: A124999
Score: 8.38997
Type of gen. func.: lgdogf

$$\frac{3 x^4 - 60 x^3 + 22 x^2 + 4 x - 5}{(x - 1) (2 x - 1) (3 x^2 + 4 x - 1) (3 x^2 + 2 x + 1)}$$

Sequence: A125048
Score: 10.3110
Type of gen. func.: lgdogf

$$- \frac{8 (-253 + 256000 x)}{(1024 x - 1) (1000 x - 1)}$$

Sequence: A125048
Score: 4.61134
Type of gen. func.: ogf

$$\{a(n + 2) - 2024 a(n + 1) + 1024000 a(n), a(0) = 0, a(1) = 24\}$$

Sequence: A125048
Score: 6.08162
Type of gen. func.: ogf

$$-1024000 f(x) x^2 + 2024 f(x) x - f(x) + 24 x$$

Sequence: A125048
Score: 8.08704
Type of gen. func.: revogf

$$- \frac{(3 x^2 + 506 x + 3)^{1/2} 3^{1/2} - 253 x - 3}{256000 x}$$

Sequence: A125048
Score: 8.92834
Type of gen. func.: ogf

$$\frac{24 x}{(1024 x - 1) (1000 x - 1)}$$

Sequence: A125061
Score: 8.53969
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-2 x^8 + x^7 - x^4 + x^3 - 2 x^2 - 1}{x^9 + x^6 + x^3 + 1}$$

Sequence: A125079
Score: 5.68045
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-2 x^9 + x^8 - x^7 - x^6 - x^5 - x^3 + x^2 - x - 1}{x^{10} + x^8 + x^6 + x^4 + x^2 + 1}$$

Sequence: A125082
Score: 15.9872
Type of gen. func.: lgdogf

$$- \frac{x^4 + 36 x^3 + 66 x^2 + 20 x - 3}{(x - 1) (x^4 + 16 x^3 + 6 x^2 + 2 x - 1)}$$

Sequence: A125082
Score: 9.90285
Type of gen. func.: ogf

$$- \frac{x^4 + 16 x^3 + 6 x^2 + 2 x - 1}{(x - 1)^5}$$

Sequence: A125083
Score: 10.8438
Type of gen. func.: lgdogf

$$-\frac{2\left(x^{5}+36 x^{4}+176 x^{3}+134 x^{2}+15 x-2\right)}{(x-1)\left(2 x^{5}+31 x^{4}+76 x^{3}+10 x^{2}+2 x-1\right)}$$

Sequence: A125083
Score: 7.60536
Type of gen. func.: ogf

$$\frac{2 x^{5}+31 x^{4}+76 x^{3}+10 x^{2}+2 x-1}{(x-1)^{6}}$$

Sequence: A125095
Score: 6.32960
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^{5}+2 x^{4}-x^{3}+x+2}{-x^{6}+x^{4}-x^{2}+1}$$

Sequence: A125107
Score: 3.93188
Type of gen. func.: ogf

$$\{(-8 n^{2}-4 n) a(n)+(6 n^{2}+6 n-6) a(n+1)+(-n^{2}-2 n+3) a(n+2),$$

$$a(0)=0, a(1)=0, a(2)=0, a(3)=1\}$$

Sequence: A125107
Score: 4.94376
Type of gen. func.: ogf

$$-4 f(x)^{2} x^{3}+4 f(x)^{2} x^{2}-4 f(x) x^{3}-f(x)^{2} x+10 f(x) x^{2}-x^{3}-6 f(x) x$$

+ f(x)

Sequence: A125116
Score: 12.7784
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 + 26 x^2 + 65 x + 16)}{(x - 1) (x + 1) (x^2 + 10 x + 1)}$$

Sequence: A125116
Score: 3.74896
Type of gen. func.: ogf

$$-\frac{(x^2 + 10 x + 1)^2 (x + 1)^3}{(x - 1)^9}$$

Sequence: A125128
Score: 20.6071
Type of gen. func.: ogf

$$-\frac{1}{(2 x - 1) (x - 1)^2}$$

Sequence: A125128
Score: 22.9255
Type of gen. func.: lgdogf

$$-\frac{2 (3 x - 2)}{(2 x - 1) (x - 1)}$$

Sequence: A125128
Score: 6.74746
Type of gen. func.: ogf

{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 4, a(2) = 11}

Sequence: A125128
Score: 7.40254
Type of gen. func.: ogf

$$(321 f(x) - 236) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x - f(x) + 1)$$

Sequence: A125143
Score: 3.11993
Type of gen. func.: ogf

$$\{(-81 n^3 - 486 n^2 - 972 n - 648) a(n + 1)$$
$$+ (-14 n^3 - 105 n^2 - 265 n - 225) a(n + 2)$$
$$+ (-n^3 - 9 n^2 - 27 n - 27) a(n + 3), a(0) = 1, a(1) = -3, a(2) = 9\}$$

Sequence: A125145
Score: 14.1247
Type of gen. func.: ogf

$$-\frac{x + 1}{3 x^2 + 3 x - 1}$$

Sequence: A125145
Score: 14.1568
Type of gen. func.: revogf

$$\frac{-1 - 3 x + ((3 x + 1) (1 + 7 x))^{1/2}}{2 (3 x + 1)}$$

Sequence: A125145
Score: 18.3205
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 6 x + 4}{(x + 1) (3 x^2 + 3 x - 1)}$$

Sequence: A125145
Score: 7.47777
Type of gen. func.: ogf

$$(9 f(x) - 1) (3 f(x) x^2 + 3 f(x) x - f(x) + x + 1)$$

Sequence: A125145
Score: 7.75134
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A125169
Score: 18.0389
Type of gen. func.: ogf

$$\frac{x + 15}{(x - 1)^2}$$

Sequence: A125169
Score: 21.9976
Type of gen. func.: revogf

$$- \frac{-15 - 2 x + (225 + 64 x)^{1/2}}{2 (x - 1)}$$

Sequence: A125169
Score: 40.6955
Type of gen. func.: lgdogf

$$- \frac{31 + x}{(x + 15) (x - 1)}$$

Sequence: A125169
Score: 9.32349

Type of gen. func.: ogf

$$(32 f(x) + 481) (f(x) x^2 - 2 f(x) x + f(x) - x - 15)$$

Sequence: A125169
Score: 9.87846
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 15, a(1) = 31\}$$

Sequence: A125176
Score: 10.3113
Type of gen. func.: ogf

$$-(8 f(x) + 1) (2 f(x) x + x^2 - f(x) + x + 1)$$

Sequence: A125176
Score: 18.1020
Type of gen. func.: ogf

$$-\frac{x^2 + x + 1}{2 x - 1}$$

Sequence: A125176
Score: 25.0151
Type of gen. func.: lgdogf

$$\frac{2 x^2 - 2 x - 3}{(2 x - 1) (x^2 + x + 1)}$$

Sequence: A125176
Score: 9.69749
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2), a(0) = 1, a(1) = 3, a(2) = 7\}$$

Sequence: A125187
Score: 4.5956
Type of gen. func.: ogf

$$-f(x)^2 x^3 + 2 f(x)^2 x^2 - 5 f(x)^2 x - f(x) x^2 + f(x)^2 + 9 f(x) x - x^2 - 2 f(x) - 4 x + 1$$

Sequence: A125189
Score: 5.66254
Type of gen. func.: ogf

$$f(x)^2 x^4 + f(x)^2 x^3 + f(x) x^4 + f(x)^2 x^2 + x^4 - f(x)^2 x + 2 x^3 + 2 x^2 - f(x) + 2 x + 1$$

Sequence: A125190
Score: 5.61125
Type of gen. func.: ogf

$$f(x)^2 x^2 - f(x) x^3 - 6 f(x)^2 x + 8 f(x) x^2 + f(x)^2 - 13 f(x) x + 2 f(x) - 2 x$$

Sequence: A125196
Score: 5.70231
Type of gen. func.: ogf

$$\frac{x^4 + x^3 + 6 x^2 + x + 1}{(x + 1) (x - 1)^6}$$

Sequence: A125196
Score: 9.20934
Type of gen. func.: lgdogf

$$-\frac{3 (x^5 + 3 x^4 + 13 x^3 + 13 x^2 + 8 x + 2)}{(x - 1) (x + 1) (x^4 + x^3 + 6 x^2 + x + 1)}$$

Sequence: A125198
Score: 6.99031
Type of gen. func.: ogf

$$-\frac{x^4+2x^3+6x^2+2x+1}{(x+1)(x-1)^7}$$

Sequence: A125198
Score: 9.46800
Type of gen. func.: lgdogf

$$-\frac{4(x^5+4x^4+13x^3+14x^2+8x+2)}{(x-1)(x+1)(x^4+2x^3+6x^2+2x+1)}$$

Sequence: A125200
Score: 11.2562
Type of gen. func.: ogf

$$\frac{x^2+9x+2}{(x-1)^4}$$

Sequence: A125200
Score: 22.4124
Type of gen. func.: lgdogf

$$-\frac{2x^2+29x+17}{(x-1)(x^2+9x+2)}$$

Sequence: A125200
Score: 3.86405
Type of gen. func.: ogf

$$\{(2n+8)a(n+4)+(4+7n)a(n+3)+(-45-8n)a(n+2)$$
$$+(-3-n)a(n+1), a(0)=2, a(1)=17, a(2)=57, a(3)=134\}$$

Sequence: A125200
Score: 5.31969
Type of gen. func.: ogf

$$(174438144 f(x) + 1202721949) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - x^2 + f(x) - 9 x - 2)$$

Sequence: A125201
Score: 13.2447
Type of gen. func.: ogf

$$- \frac{x^2 + 13 x + 2}{(x - 1)^3}$$

Sequence: A125201
Score: 24.4252
Type of gen. func.: lgdogf

$$- \frac{x^2 + 28 x + 19}{(x - 1) (x^2 + 13 x + 2)}$$

Sequence: A125201
Score: 6.67617
Type of gen. func.: ogf

$$(680704 f(x) - 5946593) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 13 x + 2)$$

Sequence: A125201
Score: 7.20324
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2, a(1) = 19, a(2) = 52\}$$

Sequence: A125202

Score: 16.6098
Type of gen. func.: ogf

$$-\frac{x^2 + 8x - 1}{(x-1)^3}$$

Sequence: A125202
Score: 32.2979
Type of gen. func.: lgdogf

$$-\frac{x^2 + 18x + 5}{(x-1)(x^2 + 8x - 1)}$$

Sequence: A125202
Score: 8.65985
Type of gen. func.: ogf

$$(1016 f(x) - 4171)(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 8x - 1)$$

Sequence: A125202
Score: 8.96637
Type of gen. func.: ogf

$$\{a(n+3) - 3 a(n+2) + 3 a(n+1) - a(n),\ a(0) = -1,\ a(1) = 5,\ a(2) = 19\}$$

Sequence: A125267
Score: 5.59524
Type of gen. func.: ogf

$$f(x)^2 x^3 - 3 f(x)^2 x^2 + f(x) x^3 + f(x)^2 x - 2 f(x) x^2 - 2 f(x) x - x^2 + f(x) - 2x - 1$$

Sequence: A125299
Score: 4.21195
Type of gen. func.: ogf

$$-\frac{x^{15}-x^{14}+x^{9}-x^{8}+x^{7}-x^{6}+x-2}{(x-1)^{2}}$$

Sequence: A125301
Score: 6.38430
Type of gen. func.: ogf

$$\frac{x^{3}\,(x^{8}+x^{7}+x^{6}-4\,x^{5}-4\,x^{4}-2\,x^{3}+9\,x^{2}+3\,x+1)}{(x-1)^{4}\,(x^{2}+x+1)^{4}}$$

Sequence: A125301
Score: 6.50091
Type of gen. func.: lgdogf

$$-(4\,x^{10}+5\,x^{9}+6\,x^{8}-20\,x^{7}-25\,x^{6}-12\,x^{5}+70\,x^{4}+17\,x^{3}+6\,x^{2}+18\,x+3)\;/\;((x-1)\,(x^{2}+x+1)\,(x^{8}+x^{7}+x^{6}-4\,x^{5}-4\,x^{4}-2\,x^{3}+9\,x^{2}+3\,x+1))$$

Sequence: A125305
Score: 11.0996
Type of gen. func.: ogf

$$f(x)^{2}\,x^{3}+f(x)^{2}\,x-f(x)+1$$

Sequence: A125316
Score: 5.71624
Type of gen. func.: ogf

$$-\frac{8\,x^{5}+3\,x^{4}-16\,x^{3}-3\,x^{2}+1}{(x^{2}+x-1)\,(2\,x^{3}-x^{2}-5\,x+1)}$$

Sequence: A125317
Score: 4.34932
Type of gen. func.: ogf

$$-\frac{6x^7+5x^6-28x^5-15x^4+28x^3+6x^2-1}{(x^3-x^2-2x+1)(x^4+2x^3-3x^2-5x+1)}$$

Sequence: A125318
Score: 3.83020
Type of gen. func.: ogf

$$-\frac{7x^8-12x^7-35x^6+48x^5+45x^4-40x^3-10x^2+1}{(x+1)(x^3-3x+1)(x^4-3x^3-x^2+6x-1)}$$

Sequence: A125319
Score: 4.41007
Type of gen. func.: ogf

$$-\frac{28x^7-52x^6-58x^5+138x^4-36x^3-14x^2-x+1}{(x-1)(x+1)(2x^2-4x+1)(2x^3-6x+1)}$$

Sequence: A125320
Score: 3.38407
Type of gen. func.: ogf

$$-\frac{84x^8-48x^7-260x^6+112x^5+192x^4-56x^3-21x^2+1}{(x+1)(2x^3-4x+1)(6x^4-10x^3-4x^2+7x-1)}$$

Sequence: A125321
Score: 3.37701
Type of gen. func.: ogf

$$-\frac{224x^8-48x^7-540x^6+112x^5+318x^4-56x^3-28x^2+1}{(4x^3-2x^2-4x+1)(8x^5+2x^4-18x^3-2x^2+7x-1)}$$

Sequence: A125343
Score: 4.39764
Type of gen. func.: ogf

{a(n + 4) - 6 a(n + 3) + a(n + 2) + 4 a(n + 1), a(0) = 1, a(1) = 6, a(2) = 34,

a(3) = 186}

Sequence: A125343
Score: 4.82668
Type of gen. func.: ogf

$$-(328 f(x) + 637) (4 f(x) x^3 + f(x) x^2 + 8 x^3 - 6 f(x) x + x^2 + f(x) - 1)$$

Sequence: A125343
Score: 9.08599
Type of gen. func.: lgdogf

$$\frac{2 (2 x^4 - 48 x^3 + 15 x^2 + 2 x - 3)}{(x - 1) (4 x^2 + 5 x - 1) (8 x^3 + x^2 - 1)}$$

Sequence: A125343
Score: 9.13355
Type of gen. func.: ogf

$$-\frac{8 x^3 + x^2 - 1}{(x - 1) (4 x^2 + 5 x - 1)}$$

Sequence: A125344
Score: 6.11949
Type of gen. func.: ogf

$$-\frac{12 x^5 + 3 x^4 - 22 x^3 - 3 x^2 + 1}{(x^2 + x - 1) (3 x^3 - 2 x^2 - 6 x + 1)}$$

Sequence: A125345
Score: 4.21621
Type of gen. func.: ogf

$$-\frac{12 x^7 + 5 x^6 - 48 x^5 - 15 x^4 + 40 x^3 + 6 x^2 - 1}{(x^3 - x^2 - 2 x + 1) (2 x^4 + 3 x^3 - 5 x^2 - 6 x + 1)}$$

Sequence: A125346
Score: 3.39632
Type of gen. func.: ogf

$$-\frac{8 x^9 + 7 x^8 - 54 x^7 - 35 x^6 + 108 x^5 + 45 x^4 - 60 x^3 - 10 x^2 + 1}{(x + 1) (x^3 - 3 x + 1) (x^5 - 6 x^3 + x^2 + 7 x - 1)}$$

Sequence: A125370
Score: 4.21621
Type of gen. func.: ogf

{a(n + 4) - 7 a(n + 3) + a(n + 2) + 5 a(n + 1), a(0) = 1, a(1) = 7, a(2) = 47,

a(3) = 307}

Sequence: A125370
Score: 4.74324
Type of gen. func.: ogf

$$(175 f(x) + 299) (5 f(x) x^3 + f(x) x^2 + 10 x^3 - 7 f(x) x + x^2 + f(x) - 1)$$

Sequence: A125370
Score: 8.62408
Type of gen. func.: ogf

$$-\frac{10 x^3 + x^2 - 1}{(x - 1) (5 x^2 + 6 x - 1)}$$

Sequence: A125370
Score: 8.70634
Type of gen. func.: lgdogf

$$\frac{5 x^4 - 140 x^3 + 38 x^2 + 4 x - 7}{(x - 1) (5 x^2 + 6 x - 1) (10 x^3 + x^2 - 1)}$$

Sequence: A125371
Score: 5.90159
Type of gen. func.: ogf

$$- \frac{16 x^5 + 3 x^4 - 28 x^3 - 3 x^2 + 1}{(x^2 + x - 1) (4 x^3 - 3 x^2 - 7 x + 1)}$$

Sequence: A125372
Score: 4.50469
Type of gen. func.: ogf

$$- \frac{18 x^7 + 5 x^6 - 68 x^5 - 15 x^4 + 52 x^3 + 6 x^2 - 1}{(x + 1) (x^3 - x^2 - 2 x + 1) (3 x^3 + x^2 - 8 x + 1)}$$

Sequence: A125373
Score: 3.87572
Type of gen. func.: ogf

$$- \frac{16 x^8 - 9 x^7 - 87 x^6 + 52 x^5 + 116 x^4 - 71 x^3 - 9 x^2 - x + 1}{(x + 1) (x^3 - 3 x + 1) (2 x^4 - 3 x^3 - 6 x^2 + 9 x - 1)}$$

Sequence: A125396
Score: 4.50469
Type of gen. func.: ogf

$$\{a(n + 4) - 8 a(n + 3) + a(n + 2) + 6 a(n + 1), a(0) = 1, a(1) = 8, a(2) = 62, a(3) = 470\}$$

Sequence: A125396
Score: 4.9847
Type of gen. func.: ogf

$$(1314 f(x) + 2053) (6 f(x) x^3 + f(x) x^2 + 12 x^3 - 8 f(x) x + x^2 + f(x) - 1)$$

Sequence: A125396
Score: 9.17154
Type of gen. func.: lgdogf

$$\frac{2 (3 x^4 - 96 x^3 + 23 x^2 + 2 x - 4)}{(x - 1) (6 x^2 + 7 x - 1) (12 x^3 + x^2 - 1)}$$

Sequence: A125396
Score: 9.21414
Type of gen. func.: ogf

$$- \frac{12 x^3 + x^2 - 1}{(x - 1) (6 x^2 + 7 x - 1)}$$

Sequence: A125397
Score: 6.23112
Type of gen. func.: ogf

$$- \frac{20 x^5 + 3 x^4 - 34 x^3 - 3 x^2 + 1}{(x + 1) (5 x^2 - 9 x + 1) (x^2 + x - 1)}$$

Sequence: A125398
Score: 4.22181
Type of gen. func.: ogf

$$- \frac{24 x^7 + 5 x^6 - 88 x^5 - 15 x^4 + 64 x^3 + 6 x^2 - 1}{(x^3 - x^2 - 2 x + 1) (4 x^4 + 5 x^3 - 9 x^2 - 8 x + 1)}$$

Sequence: A125421
Score: 4.20946
Type of gen. func.: ogf

$\{a(n + 4) - 9 a(n + 3) + a(n + 2) + 7 a(n + 1), a(0) = 1, a(1) = 9, a(2) = 79, a(3) = 681\}$

Sequence: A125421
Score: 4.65801
Type of gen. func.: ogf

$$(1127 f(x) + 1649) (7 f(x) x^3 + f(x) x^2 + 14 x^3 - 9 f(x) x + x^2 + f(x) - 1)$$

Sequence: A125421
Score: 8.56153
Type of gen. func.: lgdogf

$$\frac{7 x^4 - 252 x^3 + 54 x^2 + 4 x - 9}{(x - 1) (7 x^2 + 8 x - 1) (14 x^3 + x^2 - 1)}$$

Sequence: A125421
Score: 8.61026
Type of gen. func.: ogf

$$- \frac{14 x^3 + x^2 - 1}{(x - 1) (7 x^2 + 8 x - 1)}$$

Sequence: A125422
Score: 5.68481
Type of gen. func.: ogf

$$- \frac{24 x^5 + 3 x^4 - 40 x^3 - 3 x^2 + 1}{(x^2 + x - 1) (6 x^3 - 5 x^2 - 9 x + 1)}$$

Sequence: A125423
Score: 4.05074
Type of gen. func.: ogf

$$-\frac{30 x^{7} + 5 x^{6} - 108 x^{5} - 15 x^{4} + 76 x^{3} + 6 x^{2} - 1}{(x^{3} - x^{2} - 2 x + 1) (5 x^{4} + 6 x^{3} - 11 x^{2} - 9 x + 1)}$$

Sequence: A125445
Score: 4.19099
Type of gen. func.: ogf

{a(n + 4) - 10 a(n + 3) + a(n + 2) + 8 a(n + 1), a(0) = 1, a(1) = 10, a(2) = 98,

a(3) = 946}

Sequence: A125445
Score: 4.66801
Type of gen. func.: ogf

$$(3616 f(x) + 5033) (8 f(x) x^{3} + f(x) x^{2} + 16 x^{3} - 10 f(x) x + x^{2} + f(x) - 1)$$

Sequence: A125445
Score: 8.52103
Type of gen. func.: lgdogf

$$\frac{2 (4 x^{4} - 160 x^{3} + 31 x^{2} + 2 x - 5)}{(x - 1) (8 x^{2} + 9 x - 1) (16 x^{3} + x^{2} - 1)}$$

Sequence: A125445
Score: 8.56964
Type of gen. func.: ogf

$$-\frac{16 x^{3} + x^{2} - 1}{(x - 1) (8 x^{2} + 9 x - 1)}$$

Sequence: A125446
Score: 5.49456
Type of gen. func.: ogf

$$-\frac{28 x^5 + 3 x^4 - 46 x^3 - 3 x^2 + 1}{(x^2 + x - 1) (7 x^3 - 6 x^2 - 10 x + 1)}$$

Sequence: A125447
Score: 4.05074
Type of gen. func.: ogf

$$-\frac{36 x^7 + 5 x^6 - 128 x^5 - 15 x^4 + 88 x^3 + 6 x^2 - 1}{(x^3 - x^2 - 2 x + 1) (6 x^4 + 7 x^3 - 13 x^2 - 10 x + 1)}$$

Sequence: A125468
Score: 3.99245
Type of gen. func.: ogf

{a(n + 4) - 11 a(n + 3) + a(n + 2) + 9 a(n + 1), a(0) = 1, a(1) = 11,

a(2) = 119, a(3) = 1271}

Sequence: A125468
Score: 4.5118
Type of gen. func.: ogf

$$(1377 f(x) + 1843) (9 f(x) x^3 + f(x) x^2 + 18 x^3 - 11 f(x) x + x^2 + f(x) - 1)$$

Sequence: A125468
Score: 8.23318
Type of gen. func.: lgdogf

$$\frac{9 x^4 - 396 x^3 + 70 x^2 + 4 x - 11}{(x - 1) (9 x^2 + 10 x - 1) (18 x^3 + x^2 - 1)}$$

Sequence: A125468
Score: 8.28285
Type of gen. func.: ogf

$$-\frac{18 x^3 + x^2 - 1}{(x - 1) (9 x^2 + 10 x - 1)}$$

Sequence: A125469
Score: 5.52318
Type of gen. func.: ogf

$$-\frac{32 x^5 + 3 x^4 - 52 x^3 - 3 x^2 + 1}{(x^2 + x - 1) (8 x^3 - 7 x^2 - 11 x + 1)}$$

Sequence: A125470
Score: 3.65443
Type of gen. func.: ogf

$$-\frac{42 x^7 + 5 x^6 - 148 x^5 - 15 x^4 + 100 x^3 + 6 x^2 - 1}{(x^3 - x^2 - 2 x + 1) (7 x^4 + 8 x^3 - 15 x^2 - 11 x + 1)}$$

Sequence: A125501
Score: 5.23068
Type of gen. func.: ogf

$$-\frac{(2 x - 1) (x^4 - 12 x^3 + 19 x^2 - 8 x + 1)}{x^6 - 36 x^5 + 105 x^4 - 112 x^3 + 54 x^2 - 12 x + 1}$$

Sequence: A125513
Score: 5.04778
Type of gen. func.: ogf

```
  9    8    7    6    5    4      3      2
 x  + x  + x  + x  + x  - x  - 3 x  - 2 x  - 2 x - 2
- -----------------------------------------------------
           10    7      5    4    2
```

$$x + x - 2 x - x - x - x + 1$$

Sequence: A125520
Score: 4.03603
Type of gen. func.: ogf

$$- \frac{3 (30 x^3 + 14 x + 1)}{(10 x - 1) (x - 1) (10 x^2 - 1)}$$

Sequence: A125520
Score: 5.58527
Type of gen. func.: ogf

$$(75147948477 f(x) - 142477101703)$$

$$(100 f(x) x^4 - 110 f(x) x^3 + 90 x^3 + 11 f(x) x - f(x) + 42 x + 3)$$

Sequence: A125521
Score: 12.3628
Type of gen. func.: ogf

$$(35 f(x) - 93) (10 f(x) x^2 - f(x) + 6 x + 3)$$

Sequence: A125558
Score: 4.90740
Type of gen. func.: ogf

$$\{(16 n^2 + 16 n + 4) a(n) + (-n^2 - 3 n - 2) a(n + 1), a(0) = 1, a(1) = 1\}$$

Sequence: A125577
Score: 12.0826
Type of gen. func.: ogf

$$\frac{x^3 - 4 x^2 + 2 x - 1}{(x + 1) (x - 1)^3}$$

Sequence: A125577
Score: 16.7700
Type of gen. func.: lgdogf

$$-\frac{x\,(x^{3}-6\,x^{2}+x-8)}{(x-1)\,(x+1)\,(x^{3}-4\,x^{2}+2\,x-1)}$$

Sequence: A125577
Score: 6.46277
Type of gen. func.: ogf

$-(2984\,f(x)-5623)$

$$(f(x)\,x^{4}-2\,f(x)\,x^{3}-x^{3}+2\,f(x)\,x+4\,x^{2}-f(x)-2\,x+1)$$

Sequence: A125586
Score: 11.2413
Type of gen. func.: ogf

$$-\frac{10\,x^{2}-6\,x+1}{(-1+4\,x)\,(3\,x-1)^{2}}$$

Sequence: A125586
Score: 12.3760
Type of gen. func.: lgdogf

$$-\frac{2\,(60\,x^{3}-52\,x^{2}+17\,x-2)}{(-1+4\,x)\,(3\,x-1)\,(10\,x^{2}-6\,x+1)}$$

Sequence: A125586
Score: 5.94053
Type of gen. func.: ogf

$-(111\,f(x)+778)$

$$(36\,f(x)\,x^{3}-33\,f(x)\,x^{2}+10\,f(x)\,x+10\,x^{2}-f(x)-6\,x+1)$$

Sequence: A125586
Score: 6.29902
Type of gen. func.: ogf

$$\{a(n + 3) - 10 a(n + 2) + 33 a(n + 1) - 36 a(n), a(0) = 1, a(1) = 4, a(2) = 17\}$$

Sequence: A125629
Score: 4.21718
Type of gen. func.: ogf

$$-\frac{1}{(x^2 + 1) (x^4 - x + 1)}$$

Sequence: A125629
Score: 6.41011
Type of gen. func.: lgdogf

$$-\frac{6 x^5 + 4 x^3 - 3 x^2 + 2 x - 1}{(x^2 + 1) (x^4 - x + 1)}$$

Sequence: A125630
Score: 15.3781
Type of gen. func.: ogf

$$(9 f(x) x - f(x) + 9)^3$$

Sequence: A125630
Score: 3.53068
Type of gen. func.: ogf

$$- 9 (4480 x^7 - 12176 x^6 + 11772 x^5 - 6168 x^4 + 1809 x^3 - 303 x^2 + 27 x - 1)/((x - 1) (6 x - 1) (-1 + 4 x) (3 x - 1) (2 x - 1) (-1 + 8 x) (7 x - 1) (5 x - 1))$$

Sequence: A125641
Score: 17.2149
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 15 x^2 + 6 x + 5}{(x - 1) (2 x^3 + 3 x^2 + 1)}$$

Sequence: A125641
Score: 9.09255
Type of gen. func.: ogf

$$-\frac{2 x^3 + 3 x^2 + 1}{(x - 1)^5}$$

Sequence: A125651
Score: 4.35253
Type of gen. func.: ogf

{a(n + 4) - 7 a(n + 3) + 7 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 3, a(2) = 24,

a(3) = 147}

Sequence: A125651
Score: 4.51994
Type of gen. func.: ogf

$-(1336 f(x) - 2101)$

$(f(x) x^3 - 7 f(x) x^2 - x^3 + 7 f(x) x + 10 x^2 - f(x) - 4 x + 1)$

Sequence: A125651
Score: 8.39417
Type of gen. func.: ogf

$$\frac{x^3 - 10 x^2 + 4 x - 1}{(x - 1) (x^2 - 6 x + 1)}$$

Sequence: A125651
Score: 8.99085
Type of gen. func.: lgdogf

$$\frac{3 (x^4 + 2 x^3 - 14 x^2 + 2 x + 1)}{(x - 1) (x^3 - 10 x^2 + 4 x - 1) (x^2 - 6 x + 1)}$$

Sequence: A125652
Score: 4.91807
Type of gen. func.: ogf

$$(1189 f(x) - 1526) (f(x) x^4 - x^4 - 34 f(x) x^2 - 3 x^3 + 25 x^2 + f(x) - 3 x - 1)$$

Sequence: A125652
Score: 6.40041
Type of gen. func.: lgdogf

$$- \frac{3 (x - 1) (x + 1) (x^4 + 6 x^3 + 38 x^2 + 6 x + 1)}{(x^2 + 6 x + 1) (x^2 - 6 x + 1) (x^4 + 3 x^3 - 25 x^2 + 3 x + 1)}$$

Sequence: A125652
Score: 7.67219
Type of gen. func.: ogf

$$\frac{x^4 + 3 x^3 - 25 x^2 + 3 x + 1}{(x^2 + 6 x + 1) (x^2 - 6 x + 1)}$$

Sequence: A125664
Score: 8.50252
Type of gen. func.: ogf

$$- \frac{10 x^{16} + 10 x^8 - 13 x^4 - 2 x^3 - 2 x^2 - x - 12}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A125665
Score: 7.03287
Type of gen. func.: ogf

$$-\frac{120 x^{24} - 110 x^{20} - 10 x^{12} + 10 x^{8} - 13 x^{4} - 2 x^{3} - 2 x^{2} - x - 2}{(x + 1) (x^{2} + 1) (x - 1)^{2}}$$

Sequence: A125682
Score: 18.3022
Type of gen. func.: revogf

$$-\frac{-3 - 7 x + (25 x^{2} + 42 x + 9)^{1/2}}{12 x}$$

Sequence: A125682
Score: 21.4499
Type of gen. func.: ogf

$$\frac{3}{(6 x - 1) (x - 1)}$$

Sequence: A125682
Score: 27.8194
Type of gen. func.: lgdogf

$$-\frac{-7 + 12 x}{(6 x - 1) (x - 1)}$$

Sequence: A125682
Score: 8.52829
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) - 6 a(n), a(0) = 3, a(1) = 21\}$$

Sequence: A125682

Score: 8.5283
Type of gen. func.: ogf

$$(37 f(x) + 36) (6 f(x) x^2 - 7 f(x) x + f(x) - 3)$$

Sequence: A125687
Score: 14.6714
Type of gen. func.: revogf

$$-\frac{-4 - 7 x + (25 x^2 + 56 x + 16)^{1/2}}{12 x}$$

Sequence: A125687
Score: 21.7309
Type of gen. func.: ogf

$$\frac{4}{(6 x - 1) (x - 1)}$$

Sequence: A125687
Score: 23.8410
Type of gen. func.: lgdogf

$$-\frac{-7 + 12 x}{(6 x - 1) (x - 1)}$$

Sequence: A125687
Score: 8.64001
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) - 6 a(n), a(0) = 4, a(1) = 28\}$$

Sequence: A125687
Score: 8.64002
Type of gen. func.: ogf

$$(37 f(x) + 48) (6 f(x) x^2 - 7 f(x) x + f(x) - 4)$$

Sequence: A125691
Score: 18.3097
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 6 x - 1}{x^3 - 3 x^2 - x + 1}$$

Sequence: A125691
Score: 22.4925
Type of gen. func.: ogf

$$\frac{1}{x^3 - 3 x^2 - x + 1}$$

Sequence: A125691
Score: 7.43054
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 3 a(n + 1) + a(n), a(0) = 1, a(1) = 1, a(2) = 4\}$$

Sequence: A125691
Score: 8.15903
Type of gen. func.: ogf

$$(331 f(x) + 29) (f(x) x^3 - 3 f(x) x^2 - f(x) x + f(x) - 1)$$

Sequence: A125695
Score: 10.0484
Type of gen. func.: ogf

$$-f(x)^2 x + f(x) x - f(x) + 2 x + 1$$

Sequence: A125695
Score: 10.5829
Type of gen. func.: lgdogf

$$-\frac{-5x-1+(9x^2+2x+1)^{1/2}}{2x(2x+1)(9x^2+2x+1)^{1/2}}$$

Sequence: A125695
Score: 18.5202
Type of gen. func.: revogf

$$-1/4-x/4+\frac{((x+1)(9x+1))^{1/2}}{4}$$

Sequence: A125725
Score: 10.4236
Type of gen. func.: ogf

$$-7f(x)x^2+8f(x)x-f(x)+2x$$

Sequence: A125725
Score: 16.6214
Type of gen. func.: ogf

$$\frac{2x}{(7x-1)(x-1)}$$

Sequence: A125725
Score: 17.3103
Type of gen. func.: revogf

$$-\frac{-1-4x+(9x^2+8x+1)^{1/2}}{7x}$$

Sequence: A125725
Score: 24.2344
Type of gen. func.: lgdogf

$$-\frac{2(-4+7x)}{}$$

$$(7 x - 1) (x - 1)$$

Sequence: A125725
Score: 7.59251
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 7 a(n), a(0) = 0, a(1) = 2\}$$

Sequence: A125726
Score: 8.02129
Type of gen. func.: lgdogf

$$(9 x^{11} - 11 x^{10} - 6 x^{8} + 8 x^{7} + 16 x^{6} - 36 x^{5} + 20 x^{4} + 4 x^{3} - 12 x^{2} + 6 x + 4) \Big/ ((x - 1) (x^{11} - x^{8} + 4 x^{6} - 4 x^{5} + 4 x^{3} - 2 x^{2} - 2 x - 1))$$

Sequence: A125726
Score: 9.99586
Type of gen. func.: ogf

$$- \frac{x^{11} - x^{8} + 4 x^{6} - 4 x^{5} + 4 x^{3} - 2 x^{2} - 2 x - 1}{(x - 1)^{2}}$$

Sequence: A125729
Score: 14.4410
Type of gen. func.: revogf

$$- \frac{-5 - 8 x + (36 x^{2} + 80 x + 25)^{1/2}}{14 x}$$

Sequence: A125729
Score: 15.4644
Type of gen. func.: ogf

$$\frac{5 x}{(7 x - 1) (x - 1)}$$

Sequence: A125729
Score: 22.5279
Type of gen. func.: lgdogf

$$-\frac{2\,(-4 + 7\,x)}{(7\,x - 1)\,(x - 1)}$$

Sequence: A125729
Score: 7.06400
Type of gen. func.: ogf

$$\{a(n + 2) - 8\,a(n + 1) + 7\,a(n),\ a(0) = 0,\ a(1) = 5\}$$

Sequence: A125729
Score: 9.69805
Type of gen. func.: ogf

$$-7\,f(x)\,x^2 + 8\,f(x)\,x - f(x) + 5\,x$$

Sequence: A125758
Score: 14.6993
Type of gen. func.: ogf

$$\frac{2\,x^2 + 3\,x + 4}{(x + 1)\,(x - 1)^2}$$

Sequence: A125758
Score: 18.7294
Type of gen. func.: lgdogf

$$-\frac{2\,x^3 + 8\,x^2 + 19\,x + 7}{(x - 1)\,(x + 1)\,(2\,x^2 + 3\,x + 4)}$$

Sequence: A125758

Score: 7.59883
Type of gen. func.: ogf

$$-(9 f(x) + 1180) (f(x) x^{3} - f(x) x^{2} - f(x) x - 2 x^{2} + f(x) - 3 x - 4)$$

Sequence: A125758
Score: 7.93504
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 4, a(1) = 7, a(2) = 13\}$$

Sequence: A125816
Score: 13.4962
Type of gen. func.: ogf

$$\frac{x - 1}{12 x^{2} + 2 x - 1}$$

Sequence: A125816
Score: 16.0075
Type of gen. func.: lgdogf

$$-\frac{12 x^{2} - 24 x - 1}{(x - 1) (12 x^{2} + 2 x - 1)}$$

Sequence: A125816
Score: 16.0075
Type of gen. func.: revogf

$$\frac{-1 - 2 x + (52 x^{2} + 1)^{1/2}}{2 (12 x - 1)}$$

Sequence: A125816
Score: 6.89809
Type of gen. func.: ogf

^{2}

```
(208 f(x) - 207) (12 f(x) x  + 2 f(x) x - f(x) - x + 1)
```

Sequence: A125816
Score: 7.47984
Type of gen. func.: ogf

```
{-a(n + 2) + 2 a(n + 1) + 12 a(n), a(0) = 1, a(1) = 1}
```

Sequence: A125817
Score: 12.0236
Type of gen. func.: ogf

```
            2
-17 f(x) x  - 2 f(x) x + f(x) - 3 x
```

Sequence: A125817
Score: 16.1792
Type of gen. func.: revogf

```
                 2            1/2  1/2
-2 x - 3 + (24 x  + 4 x + 3)    3
------------------------------------
                34 x
```

Sequence: A125817
Score: 18.9847
Type of gen. func.: ogf

```
         3 x
- ---------------
       2
  17 x  + 2 x - 1
```

Sequence: A125817
Score: 27.3801
Type of gen. func.: lgdogf

```
   2 (1 + 17 x)
- ---------------
       2
  17 x  + 2 x - 1
```

Sequence: A125817
Score: 8.79777
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 17 a(n), a(0) = 0, a(1) = 3\}$$

Sequence: A125818
Score: 16.0284
Type of gen. func.: ogf

$$\frac{x - 1}{17 x^2 + 2 x - 1}$$

Sequence: A125818
Score: 18.5794
Type of gen. func.: lgdogf

$$-\frac{17 x^2 - 34 x - 1}{(x - 1) (17 x^2 + 2 x - 1)}$$

Sequence: A125818
Score: 8.19232
Type of gen. func.: ogf

$$(378 f(x) - 377) (17 f(x) x^2 + 2 f(x) x - f(x) - x + 1)$$

Sequence: A125818
Score: 8.88323
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 17 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A125819
Score: 18.1870
Type of gen. func.: revogf

$$-1 - 2 x + (392 x^2 + 4 x + 1)^{1/2}$$

$$194 x$$

Sequence: A125819
Score: 18.4274
Type of gen. func.: ogf

$$-\frac{x}{97 x^{2} + 2 x - 1}$$

Sequence: A125819
Score: 26.5810
Type of gen. func.: lgdogf

$$-\frac{2 (1 + 97 x)}{97 x^{2} + 2 x - 1}$$

Sequence: A125819
Score: 8.53951
Type of gen. func.: ogf

$$(2 f(x) + 1) (97 f(x) x^{2} + 2 f(x) x - f(x) + x)$$

Sequence: A125819
Score: 8.53951
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 97 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A125820
Score: 14.7833
Type of gen. func.: ogf

$$\frac{x - 1}{97 x^{2} + 2 x - 1}$$

Sequence: A125820
Score: 17.1294
Type of gen. func.: lgdogf

$$-\frac{97x^2-194x-1}{(x-1)(97x^2+2x-1)}$$

Sequence: A125820
Score: 7.39164
Type of gen. func.: ogf

$$(9898 f(x) - 9897)(97 f(x) x^2 + 2 f(x) x - f(x) - x + 1)$$

Sequence: A125820
Score: 8.19314
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 97 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A125823
Score: 13.1266
Type of gen. func.: ogf

$$-7 f(x) x^2 + 8 f(x) x - f(x) + 4 x$$

Sequence: A125823
Score: 15.3835
Type of gen. func.: ogf

$$\frac{4x}{(7x-1)(x-1)}$$

Sequence: A125823
Score: 15.5612
Type of gen. func.: revogf

$$-\frac{-2-4x+(9x^2+16x+4)^{1/2}}{}$$

$$7 x$$

Sequence: A125823
Score: 22.4081
Type of gen. func.: lgdogf

$$-\frac{2 (-4 + 7 x)}{(7 x - 1) (x - 1)}$$

Sequence: A125823
Score: 7.02702
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 7 a(n), a(0) = 0, a(1) = 4\}$$

Sequence: A125829
Score: 6.56951
Type of gen. func.: ogf

$$-(2 x^{13} + 2 x^{12} + 2 x^{11} + x^{10} + 2 x^9 + 2 x^8 + 2 x^7 + x^6 + x^5 + x^4 + x^2 + x + 1) \Big/ ((x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x + 1) (x^6 - x^5 + x^4 - x^3 + x^2 - x + 1))$$

Sequence: A125831
Score: 13.2028
Type of gen. func.: ogf

$$-5 f(x) x^2 + 6 f(x) x - f(x) + 2 x$$

Sequence: A125831
Score: 19.2401
Type of gen. func.: ogf

$$\frac{2 x}{(5 x - 1) (x - 1)}$$

Sequence: A125831
Score: 20.0671
Type of gen. func.: revogf

$$-\frac{-1 - 3 x + (4 x^2 + 6 x + 1)^{1/2}}{5 x}$$

Sequence: A125831
Score: 28.0940
Type of gen. func.: lgdogf

$$-\frac{2 (-3 + 5 x)}{(5 x - 1) (x - 1)}$$

Sequence: A125831
Score: 8.78868
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 5 a(n), a(0) = 0, a(1) = 2\}$$

Sequence: A125833
Score: 10.1638
Type of gen. func.: ogf

$$-5 f(x) x^2 + 6 f(x) x - f(x) + 3 x$$

Sequence: A125833
Score: 15.5365
Type of gen. func.: revogf

$$-\frac{-3 - 6 x + (16 x^2 + 36 x + 9)^{1/2}}{10 x}$$

Sequence: A125833
Score: 16.2071
Type of gen. func.: ogf

$$\frac{3 x}{(5 x - 1) (x - 1)}$$

Sequence: A125833
Score: 23.6155
Type of gen. func.: lgdogf

$$- \frac{2 (-3 + 5 x)}{(5 x - 1) (x - 1)}$$

Sequence: A125833
Score: 7.40323
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 5 a(n), a(0) = 0, a(1) = 3\}$$

Sequence: A125835
Score: 13.4986
Type of gen. func.: ogf

$$-8 f(x) x^2 + 9 f(x) x - f(x) + 2 x$$

Sequence: A125835
Score: 15.0575
Type of gen. func.: revogf

$$- \frac{-2 - 9 x + (49 x^2 + 36 x + 4)^{1/2}}{16 x}$$

Sequence: A125835
Score: 15.7074
Type of gen. func.: ogf

$$\frac{2 x}{(-1 + 8 x) (x - 1)}$$

Sequence: A125835
Score: 23.8410
Type of gen. func.: lgdogf

$$-\frac{-9 + 16 x}{(-1 + 8 x) (x - 1)}$$

Sequence: A125835
Score: 7.17496
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) + 8 a(n), a(0) = 0, a(1) = 2\}$$

Sequence: A125836
Score: 10.2566
Type of gen. func.: ogf

$$-8 f(x) x^2 + 9 f(x) x - f(x) + 5 x$$

Sequence: A125836
Score: 15.2859
Type of gen. func.: revogf

$$-\frac{-5 - 9 x + (49 x^2 + 90 x + 25)^{1/2}}{16 x}$$

Sequence: A125836
Score: 16.3551
Type of gen. func.: ogf

$$\frac{5 x}{(-1 + 8 x) (x - 1)}$$

Sequence: A125836
Score: 24.8396
Type of gen. func.: lgdogf

$$-\frac{-9 + 16 x}{}$$

$$(-1 + 8 x) (x - 1)$$

Sequence: A125836
Score: 7.47083
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) + 8 a(n), a(0) = 0, a(1) = 5\}$$

Sequence: A125837
Score: 10.3074
Type of gen. func.: ogf

$$-8 f(x) x^2 + 9 f(x) x - f(x) + 6 x$$

Sequence: A125837
Score: 14.9787
Type of gen. func.: revogf

$$-\frac{-6 - 9 x + (49 x^2 + 108 x + 36)^{1/2}}{16 x}$$

Sequence: A125837
Score: 16.4360
Type of gen. func.: ogf

$$\frac{6 x}{(-1 + 8 x) (x - 1)}$$

Sequence: A125837
Score: 24.9644
Type of gen. func.: lgdogf

$$-\frac{-9 + 16 x}{(-1 + 8 x) (x - 1)}$$

Sequence: A125837
Score: 7.50781

Type of gen. func.: ogf

$$\{a(n+2) - 9\,a(n+1) + 8\,a(n),\ a(0) = 0,\ a(1) = 6\}$$

Sequence: A125849
Score: 4.42251
Type of gen. func.: ogf

$$\frac{x^3\,(x^6 + 18\,x^5 + 35\,x^4 + 62\,x^3 + 31\,x^2 + 12\,x + 1)}{(x+1)^4\,(x-1)^6}$$

Sequence: A125849
Score: 6.62143
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^7 + 46\,x^6 + 126\,x^5 + 297\,x^4 + 256\,x^3 + 178\,x^2 + 48\,x + 7)}{(x-1)\,(x+1)\,(x^6 + 18\,x^5 + 35\,x^4 + 62\,x^3 + 31\,x^2 + 12\,x + 1)}$$

Sequence: A125857
Score: 10.0856
Type of gen. func.: ogf

$$-9\,f(x)\,x^2 + 10\,f(x)\,x - f(x) + 2\,x$$

Sequence: A125857
Score: 13.8640
Type of gen. func.: revogf

$$-\frac{-5\,x - 1 + (2\,x+1)^{1/2}\,(8\,x+1)^{1/2}}{9\,x}$$

Sequence: A125857
Score: 15.9247
Type of gen. func.: ogf

2 x

```
                               -----------------
                               (9 x - 1) (x - 1)
```

Sequence: A125857
Score: 23.8460
Type of gen. func.: lgdogf

```
                                  2 (-5 + 9 x)
                              - -----------------
                                (9 x - 1) (x - 1)
```

Sequence: A125857
Score: 7.37972
Type of gen. func.: ogf

```
             {a(n + 2) - 10 a(n + 1) + 9 a(n), a(0) = 0, a(1) = 2}
```

Sequence: A125858
Score: 13.7825
Type of gen. func.: ogf

```
                                                   3
                            (10 f(x) x - f(x) + 10)
```

Sequence: A125880
Score: 3.55838
Type of gen. func.: ogf

```
            7           6           5           4          3          2
- 2 (20160 x  - 54792 x  + 53420 x  - 28436 x  + 8441 x  - 1439 x  + 131 x - 5)

    /((x - 1) (6 x - 1) (-1 + 4 x) (3 x - 1) (2 x - 1) (-1 + 8 x) (7 x - 1)

    (5 x - 1))
```

Sequence: A125897
Score: 3.19853
Type of gen. func.: ogf

```
            7           6           5           4          3          2
- 2 (20160 x  - 54792 x  + 53344 x  - 28304 x  + 8374 x  - 1427 x  + 130 x - 5)

    /((x - 1) (6 x - 1) (-1 + 4 x) (3 x - 1) (2 x - 1) (-1 + 8 x) (7 x - 1)

    (5 x - 1))
```

Sequence: A125904
Score: 3.21348
Type of gen. func.: ogf

$$- 2 (20160 x^7 - 54792 x^6 + 53362 x^5 - 28337 x^4 + 8392 x^3 - 1430 x^2 + 130 x - 5)$$
$$/((x - 1) (6 x - 1) (-1 + 4 x) (3 x - 1) (2 x - 1) (-1 + 8 x) (7 x - 1)$$
$$(5 x - 1))$$

Sequence: A125905
Score: 16.2407
Type of gen. func.: revogf

$$\frac{-4 x + 1 + (2 x - 1)^{1/2} (6 x - 1)^{1/2}}{2 x}$$

Sequence: A125905
Score: 23.7531
Type of gen. func.: ogf

$$\frac{1}{x^2 + 4 x + 1}$$

Sequence: A125905
Score: 35.7296
Type of gen. func.: lgdogf

$$- \frac{2 (x + 2)}{x^2 + 4 x + 1}$$

Sequence: A125905
Score: 8.10399
Type of gen. func.: ogf

$$-(7 f(x) + 1) (f(x) x^2 + 4 f(x) x + f(x) - 1)$$

Sequence: A125905
Score: 8.40049
Type of gen. func.: ogf

$$\{a(n + 2) + 4 a(n + 1) + a(n), a(0) = 1, a(1) = -4\}$$

Sequence: A125908
Score: 4.01866
Type of gen. func.: ogf

$$-\frac{8 (630 x^{6} - 1476 x^{5} + 1457 x^{4} - 664 x^{3} + 162 x^{2} - 20 x + 1)}{(x - 1) (6 x - 1) (-1 + 4 x) (3 x - 1) (2 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A125909
Score: 4.09173
Type of gen. func.: ogf

$$-\frac{5040 x^{6} - 11988 x^{5} + 11944 x^{4} - 5479 x^{3} + 1367 x^{2} - 173 x + 9}{(x - 1) (6 x - 1) (-1 + 4 x) (3 x - 1) (2 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A125910
Score: 4.10999
Type of gen. func.: ogf

$$-\frac{3 (1680 x^{6} - 3976 x^{5} + 3946 x^{4} - 1807 x^{3} + 451 x^{2} - 57 x + 3)}{(x - 1) (6 x - 1) (-1 + 4 x) (3 x - 1) (2 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A125912
Score: 7.70458
Type of gen. func.: ogf

$$-\frac{2 x^{23} + 2 x^{15} + 4 x^{10} + 2 x^{9} + x^{8} + 2 x^{7} + 2 x^{6} + x^{5} + x^{3} + x^{2} + 1}{(x - 1) (x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A125913
Score: 6.75626
Type of gen. func.: ogf

$$-\frac{x^{11} + 4 x^{8} + 2 x^{6} + 2 x^{4} + x^{2} - x + 1}{(x - 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A125914
Score: 9.23024
Type of gen. func.: ogf

$$-\frac{x^{10} + 4 x^{8} + 2 x^{7} + 2 x^{6} + 2 x^{5} + 2 x^{4} + x^{3} + x^{2} + 1}{(x - 1) (x^{2} + x + 1) (x^{6} + x^{3} + 1)}$$

Sequence: A125915
Score: 10.7309
Type of gen. func.: ogf

$$-\frac{x^{9} + 4 x^{7} + 4 x^{6} + 2 x^{5} + 2 x^{4} + 2 x^{3} + x^{2} + 1}{(x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1)}$$

Sequence: A125916
Score: 8.69255
Type of gen. func.: ogf

$$-\frac{x (2 x^{9} + 2 x^{8} + x^{7} + 2 x^{6} + 2 x^{5} + x^{4} + x^{3} + x + 1)}{(x - 1) (x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A125918
Score: 8.21331
Type of gen. func.: ogf

$$-\frac{x^{13} + 4 x^{10} + 2 x^{9} + 2 x^{8} + 2 x^{7} + 2 x^{6} + 2 x^{5} + x^{4} + x^{3} + x + 1}{(x - 1) (x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A125919
Score: 7.88301
Type of gen. func.: ogf

$$-\frac{2x^{21}+2x^{17}+4x^{9}+x^{8}+2x^{7}+x^{5}+x^{4}+2x^{3}+2x^{2}+x+1}{(x-1)(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)}$$

Sequence: A125922
Score: 8.25246
Type of gen. func.: ogf

$$-\frac{3x^{10}-3x^{8}+3x^{6}+x^{4}-x^{2}+2x+1}{(x-1)(x+1)(x^{2}+1)(x^{4}-x^{2}+1)}$$

Sequence: A125923
Score: 11.6949
Type of gen. func.: ogf

$$-\frac{4x^{23}-4x^{18}+5x^{9}+4x^{3}+3x^{2}+2x+1}{(x-1)(x^{4}+x^{3}+x^{2}+x+1)}$$

Sequence: A125924
Score: 8.90553
Type of gen. func.: ogf

$$-\frac{2x^{11}-2x^{9}+4x^{7}-x^{5}+2x^{3}+1}{(x-1)(x+1)(x^{4}+1)}$$

Sequence: A125925
Score: 11.7700
Type of gen. func.: ogf

$$2x^{7}+x^{5}+2x^{3}+x^{2}+2x+1$$

```
- --------------------------------
                     2       4
  (x - 1) (x + 1) (x  + 1) (x  + 1)
```

Sequence: A125927
Score: 7.76878
Type of gen. func.: ogf

$$-\frac{x\,(x^{18}+x^{14}-x^{9}+4x^{8}+2x^{7}+2x^{6}+x^{4}+2x^{3}+2x^{2}+x+1)}{(x-1)\,(x^{2}+x+1)\,(x^{6}+x^{3}+1)}$$

Sequence: A125938
Score: 9.43299
Type of gen. func.: ogf

$$-\frac{x^{16}+2x^{9}+4x^{8}+4x^{7}+2x^{5}+2x^{4}+2x^{3}+x^{2}+x+1}{(x-1)\,(x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{4}-x^{3}+x^{2}-x+1)}$$

Sequence: A125944
Score: 5.66165
Type of gen. func.: ogf

$$-(2x^{19}+11x^{15}+7x^{14}+8x^{13}+x^{12}+4x^{11}+2x^{10}+8x^{9}+x^{8}+4x^{7}+7x^{6}+2x^{5}+x^{4}+6x^{3}+4x^{2}+2x+1)\,/\,((x-1)\,(x+1)\,(x^{2}+1)\,(x^{4}+1)\,(x^{8}+1))$$

Sequence: A125945
Score: 4.12140
Type of gen. func.: ogf

$$-\frac{2\,(2520x^{6}-6054x^{5}+6063x^{4}-2794x^{3}+712x^{2}-92x+5)}{(x-1)\,(6x-1)\,(-1+4x)\,(3x-1)\,(2x-1)\,(7x-1)\,(5x-1)}$$

Sequence: A125946
Score: 4.13955
Type of gen. func.: ogf

$$-\frac{2\,(2520\,x^{6}-6042\,x^{5}+6043\,x^{4}-2783\,x^{3}+708\,x^{2}-91\,x+5)}{(x-1)\,(6\,x-1)\,(-1+4\,x)\,(3\,x-1)\,(2\,x-1)\,(7\,x-1)\,(5\,x-1)}$$

Sequence: A125947
Score: 4.12826
Type of gen. func.: ogf

$$-\frac{3\,(1680\,x^{6}-3988\,x^{5}+3968\,x^{4}-1819\,x^{3}+453\,x^{2}-57\,x+3)}{(x-1)\,(6\,x-1)\,(-1+4\,x)\,(3\,x-1)\,(2\,x-1)\,(7\,x-1)\,(5\,x-1)}$$

Sequence: A125948
Score: 3.72962
Type of gen. func.: ogf

$$-\frac{2\,(2520\,x^{6}-6012\,x^{5}+5990\,x^{4}-2754\,x^{3}+701\,x^{2}-90\,x+5)}{(x-1)\,(6\,x-1)\,(-1+4\,x)\,(3\,x-1)\,(2\,x-1)\,(7\,x-1)\,(5\,x-1)}$$

Sequence: A125950
Score: 5.82243
Type of gen. func.: ogf

$$-\frac{2\,x^{9}+3\,x^{8}+3\,x^{7}+2\,x^{6}+x^{5}-x^{3}-2\,x^{2}-2\,x-1}{x^{10}+x^{9}-x^{7}-x^{6}-x^{5}-x^{4}-x^{3}+x+1}$$

Sequence: A125962
Score: 11.7214
Type of gen. func.: ogf

$$-9\,f(x)\,x^{2}+10\,f(x)\,x-f(x)+5\,x$$

Sequence: A125962
Score: 12.0978

Type of gen. func.: revogf

$$-\frac{-5 - 10 x + (4 x + 5)^{1/2} (16 x + 5)^{1/2}}{18 x}$$

Sequence: A125962
Score: 18.5075
Type of gen. func.: ogf

$$\frac{5 x}{(9 x - 1) (x - 1)}$$

Sequence: A125962
Score: 21.4038
Type of gen. func.: lgdogf

$$-\frac{2 (-5 + 9 x)}{(9 x - 1) (x - 1)}$$

Sequence: A125962
Score: 8.57663
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 9 a(n), a(0) = 0, a(1) = 5\}$$

Sequence: A125991
Score: 4.77926
Type of gen. func.: ogf

$$\frac{8 x (57 x^{19} + 5 x^{18} + 5 x^{17} + 5 x^{16} - 32 x^{15} - 5 x^{3} - x^{2} - x - 1)}{(x + 1) (x^{2} + 1) (5 x^{16} - 1) (x - 1)^{2}}$$

Sequence: A125992
Score: 6.29174
Type of gen. func.: ogf

$$1455 x^{8} + 16 x^{7} + 48 x^{6} + 16 x^{5} + 432 x^{4} + 16 x^{3} + 48 x^{2} + 16 x + 1$$

$$\overline{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A125997
Score: 6.29174
Type of gen. func.: ogf

$$\frac{1447 x^8 + 16 x^7 + 48 x^6 + 16 x^5 + 432 x^4 + 16 x^3 + 48 x^2 + 16 x + 9}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A126001
Score: 4.77688
Type of gen. func.: ogf

$$x (35 x^{15} + x^{14} + 3 x^{13} + x^{12} + 3 x^{11} + x^{10} + 3 x^9 + x^8 + 3 x^7 + x^6 + 3 x^5 + x^4 + 3 x^3 + x^2 + 3 x + 1) / ((x + 1) (x^2 + 1) (x^4 + 1) (x^8 + 1) (x - 1)^2)$$

Sequence: A126002
Score: 27.2327
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^2 + 3 x + 2)}{(x - 1) (3 x + 1) (x + 1)}$$

Sequence: A126002
Score: 8.86560
Type of gen. func.: ogf

$$- \frac{2 x (128 x^{60} + 44 x^{59} + 3 x^2 + 4 x + 1)}{28 x^{61} + 48 x^{60} - 44 x^{59} - x^4 + 2 x^2 - 1}$$

Sequence: A126006
Score: 4.84750
Type of gen. func.: ogf

$$\frac{x\,(49\,x^{12} - 45\,x^{11} + 34\,x^{8} - 30\,x^{7} + 19\,x^{4} - 15\,x^{3} + 4)}{(x^{4} + 1)\,(x^{8} + 1)\,(x - 1)^{2}}$$

Sequence: A126019
Score: 10.1395
Type of gen. func.: lgdogf

$$- \frac{2\,(2\,x - 1)\,(6\,x^{3} - x^{2} + 9\,x + 1)}{(x - 1)\,(-1 + 4\,x)\,(x + 1)\,(6\,x^{2} - 2\,x + 1)}$$

Sequence: A126019
Score: 10.6803
Type of gen. func.: ogf

$$\frac{6\,x^{2} - 2\,x + 1}{(x - 1)\,(-1 + 4\,x)\,(x + 1)}$$

Sequence: A126019
Score: 5.29676
Type of gen. func.: ogf

$$-(34361\,f(x) + 67990)\,(4\,f(x)\,x^{3} - f(x)\,x^{2} - 4\,f(x)\,x - 6\,x^{2} + f(x) + 2\,x - 1)$$

Sequence: A126019
Score: 5.76549
Type of gen. func.: ogf

$$\{a(n + 3) - 4\,a(n + 2) - a(n + 1) + 4\,a(n),\ a(0) = 1,\ a(1) = 2,\ a(2) = 15\}$$

Sequence: A126020
Score: 10.7296
Type of gen. func.: lgdogf

$$2\,(-72\,x^{2} + 42\,x - 7 + (-(-1 + 4\,x)\,(6\,x - 1)^{2})^{1/2})$$

$$\overline{(36 x^2 - 20 x + 3) (-1 + 4 x)}$$

Sequence: A126020
Score: 4.00647
Type of gen. func.: ogf

$$-256 f(x)^2 x^4 + 256 f(x)^2 x^3 - 96 f(x)^2 x^2 - 192 f(x) x^3 + 16 f(x)^2 x + 160 f(x) x^2 - f(x)^2 - 44 f(x) x - 36 x^2 + 4 f(x) + 20 x - 3$$

Sequence: A126026
Score: 4.80860
Type of gen. func.: ogf

$$\frac{x (x^2 + 1) (x^{16} - x^{15} - x^{14} + x^{13} - x^{11} - x^7 + x^6 - 2 x^4 + x^3 - 1)}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^6 + x^3 + 1) (x^6 - x^3 + 1) (x - 1)^3}$$

Sequence: A126042
Score: 25.0846
Type of gen. func.: revogf

$$\frac{x (x + 1)^2}{(2 x + 1) (x^2 + x + 1)}$$

Sequence: A126042
Score: 7.22986
Type of gen. func.: ogf

$$2 f(x)^3 x^3 - f(x)^3 x^2 + 3 f(x)^2 x^2 - 2 f(x)^2 x + 3 f(x) x - f(x) + 1$$

Sequence: A126068
Score: 11.2989
Type of gen. func.: ogf

2 2

```
                          f(x)  + 2 f(x) x + 4 x  - 2 f(x)



-------------------------------------------------------------------------------

Sequence:  A126068
Score: 4.76168
Type of gen. func.: ogf


{(-3 n + 3) a(n) + (-2 n - 1) a(n + 1) + (n + 2) a(n + 2), a(0) = 0, a(1) = 0,

    a(2) = 2}



-------------------------------------------------------------------------------

Sequence:  A126079
Score: 15.2559
Type of gen. func.: ogf


                                3       2                 2
                          -16 x  + 20 x  - 8 x + 1 - f(x)



-------------------------------------------------------------------------------

Sequence:  A126079
Score: 31.7303
Type of gen. func.: lgdogf


                                     4 (3 x - 1)
                                --------------------
                                (-1 + 4 x) (2 x - 1)



-------------------------------------------------------------------------------

Sequence:  A126079
Score: 4.98361
Type of gen. func.: ogf


{(n + 3) a(n + 3) + (-8 - 6 n) a(n + 2) + (-4 + 8 n) a(n + 1), a(0) = 1,

    a(1) = -4, a(2) = 2}



-------------------------------------------------------------------------------

Sequence:  A126087
Score: 3.38414
Type of gen. func.: ogf


{(-24 n - 48) a(n + 1) + (8 n + 16) a(n + 2) + (3 n + 15) a(n + 3)

     + (-n - 5) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 5}



-------------------------------------------------------------------------------

Sequence:  A126087
```

Score: 31.5885
Type of gen. func.: revogf

$$\frac{x (x + 1)}{3 x^2 + 2 x + 1}$$

Sequence: A126087
Score: 8.78995
Type of gen. func.: ogf

$$3 f(x)^2 x^2 - f(x)^2 x + 2 f(x) x - f(x) + 1$$

Sequence: A126089
Score: 12.9195
Type of gen. func.: egf]

$$-16 x^3 + 20 x^2 - 8 x + 1 - f(x)^2$$

Sequence: A126089
Score: 25.8205
Type of gen. func.: lgdegf]

$$\frac{4 (3 x - 1)}{(-1 + 4 x) (2 x - 1)}$$

Sequence: A126089
Score: 3.70208
Type of gen. func.: ogf

$$\{(32 n^2 + 48 n - 32) a(n + 1) + (-4 n^2 - 26 n - 32) a(n + 2) + (n + 3) a(n + 3)$$

$$, a(0) = 1, a(1) = -4, a(2) = 4\}$$

Sequence: A126091
Score: 10.6162
Type of gen. func.: ogf

$$2 x^5 - 5 x^4 + 5 x^3 - 2 x^2 + 3 x + 1$$

$$\overline{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A126091
Score: 9.62251
Type of gen. func.: lgdogf

$$\frac{(x^2 + x + 2) (3 x^5 - 10 x^4 + 8 x^3 - 8 x^2 + x - 2)}{(x - 1) (x + 1) (x^2 + 1) (2 x^5 - 5 x^4 + 5 x^3 - 2 x^2 + 3 x + 1)}$$

Sequence: A126099
Score: 5.88048
Type of gen. func.: ogf

$$(x^{11} + 14 x^{10} - 14 x^9 - 32 x^8 + 26 x^7 + 22 x^6 - 13 x^5 - 5 x^4 - x^3 + 2 x^2 - 1) \Big/ ((x + 1)^2 (x - 1)^3)$$

Sequence: A126109
Score: 10.4286
Type of gen. func.: ogf

$$- \frac{5 x - 2}{(10 x - 1) (x - 1)}$$

Sequence: A126109
Score: 10.6403
Type of gen. func.: revogf

$$- \frac{-2 - 11 x + (81 x^2 + 24 x + 4)^{1/2}}{10 (2 x + 1)}$$

Sequence: A126109
Score: 11.9703
Type of gen. func.: lgdogf

$$-\frac{50 x^{2} - 40 x + 17}{(x - 1) (5 x - 2) (10 x - 1)}$$

Sequence: A126109
Score: 5.27039
Type of gen. func.: ogf

$$-(147 f(x) - 5) (10 f(x) x^{2} - 11 f(x) x + f(x) + 5 x - 2)$$

Sequence: A126109
Score: 5.76641
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 2, a(1) = 17\}$$

Sequence: A126115
Score: 11.6328
Type of gen. func.: egf]

$$4 f(x)^{2} x^{2} - 4 f(x)^{2} x + f(x)^{2} - 2 x - 1$$

Sequence: A126115
Score: 31.9675
Type of gen. func.: lgdegf]

$$-\frac{3 + 2 x}{(2 x - 1) (2 x + 1)}$$

Sequence: A126115
Score: 6.04184
Type of gen. func.: ogf

$$\{(4 n^{2} + 14 n + 12) a(n + 1) - a(n + 3) + 3 a(n + 2), a(0) = 1, a(1) = 3, a(2) = 11\}$$

Sequence: A126116
Score: 13.0474
Type of gen. func.: ogf

$$\frac{(x-1)\,(x^2+x+1)}{(x^2+1)\,(x^2+x-1)}$$

Sequence: A126116
Score: 14.8785
Type of gen. func.: lgdogf

$$-\frac{x^6-6\,x^3-1}{(x-1)\,(x^2+x+1)\,(x^2+x-1)\,(x^2+1)}$$

Sequence: A126116
Score: 6.70003
Type of gen. func.: ogf

$$-(f(x)-2)\,(f(x)\,x^4+f(x)\,x^3-x^3+f(x)\,x-f(x)+1)$$

Sequence: A126119
Score: 14.4394
Type of gen. func.: revegf]

$$-3/4-\frac{3\,x}{2}-\frac{x^2}{4}+\frac{((x^2+6\,x+1)\,(x+3)^2)^{1/2}}{4}$$

Sequence: A126119
Score: 30.0821
Type of gen. func.: lgdegf]

$$-\frac{5+2\,x}{(2\,x-1)\,(2\,x+1)}$$

Sequence: A126119
Score: 4.29213

Type of gen. func.: ogf

$$\{(-6 n^2 - 21 n - 18) a(n + 1) + (-4 n^2 - 23 n - 40) a(n + 2) + (2 n + 6) a(n + 3), a(0) = 1, a(1) = 5, a(2) = 27\}$$

Sequence: A126119
Score: 7.80803
Type of gen. func.: egf]

$$8 f(x)^2 x^3 - 12 f(x)^2 x^2 + 6 f(x)^2 x - f(x)^2 + 4 x^2 + 4 x + 1$$

Sequence: A126120
Score: 13.2635
Type of gen. func.: lgdogf

$$- \frac{-1 + 4 x^2 + (-(2 x - 1) (2 x + 1))^{1/2}}{(2 x - 1) (2 x + 1) x}$$

Sequence: A126120
Score: 17.8453
Type of gen. func.: ogf

$$-1 + f(x) - f(x)^2 x^2$$

Sequence: A126120
Score: 5.82619
Type of gen. func.: ogf

$$\{(-4 n - 8) a(n + 1) + (n + 5) a(n + 3), a(0) = 1, a(1) = 0, a(2) = 1\}$$

Sequence: A126120
Score: 82.5285
Type of gen. func.: revogf

$$\frac{x}{x^2 + 1}$$

Sequence: A126121
Score: 30.5814
Type of gen. func.: lgdegf]

$$-\frac{5 + 6 x}{(2 x - 1) (2 x + 1)}$$

Sequence: A126121
Score: 5.78246
Type of gen. func.: ogf

$$\{(4 n^2 + 18 n + 20) a(n + 1) - a(n + 3) + 5 a(n + 2), a(0) = 1, a(1) = 5, a(2) = 31\}$$

Sequence: A126121
Score: 7.03714
Type of gen. func.: egf]

$$-16 f(x)^2 x^4 + 32 f(x)^2 x^3 - 24 f(x)^2 x^2 + 8 f(x)^2 x - f(x)^2 + 2 x + 1$$

Sequence: A126184
Score: 11.9645
Type of gen. func.: ogf

$$\frac{x^2 - 3 x + 1}{(3 x - 1)^2}$$

Sequence: A126184
Score: 22.1873
Type of gen. func.: lgdogf

$$\frac{-3 + 7 x}{(3 x - 1) (x^2 - 3 x + 1)}$$

Sequence: A126184
Score: 6.15650
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 10\}$$

Sequence: A126184
Score: 6.81848
Type of gen. func.: ogf

$$(2 f(x) + 7) (9 f(x) x^2 - 6 f(x) x - x^2 + f(x) + 3 x - 1)$$

Sequence: A126185
Score: 3.59157
Type of gen. func.: ogf

$$5 f(x)^2 x^4 - 6 f(x)^2 x^3 + 35 f(x) x^4 + f(x)^2 x^2 - 87 f(x) x^3 + 5 x^4 + 71 f(x) x^2 - 6 x^3 - 21 f(x) x + 2 f(x)$$

Sequence: A126187
Score: 5.69098
Type of gen. func.: lgdogf

$$- \frac{-3 x + 15 + 4 (x - 1)^{1/2} x (5 x - 1)^{1/2} + 15 (5 x - 1)^{1/2} (x - 1)^{1/2}}{2 (5 x - 1)^{1/2} (x + 3) x (x - 1)^{1/2}}$$

Sequence: A126189
Score: 7.55255
Type of gen. func.: ogf

$$9 f(x)^2 x^4 + 6 f(x) x^3 + 3 f(x) x + x^2 - f(x) + 1$$

Sequence: A126190
Score: 3.37013
Type of gen. func.: ogf

$$\{(-5 n^2 - 5 n) a(n) + (6 n^2 + 9 n + 3) a(n + 1) + (-n^2 - 2 n + 8) a(n + 2),$$
$$a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 2\}$$

Sequence: A126190
Score: 3.56607
Type of gen. func.: ogf

$$f(x) (5 f(x)^2 x^4 - 6 f(x)^2 x^3 + 80 f(x) x^4 + f(x)^2 x^2 - 156 f(x) x^3 - 4 x^4$$
$$+ 98 f(x) x^2 - 24 f(x) x + 2 f(x))$$

Sequence: A126220
Score: 7.51279
Type of gen. func.: ogf

$$4 f(x)^2 x^4 + 4 f(x) x^3 + 2 f(x) x + x^2 - f(x) + 1$$

Sequence: A126221
Score: 3.64248
Type of gen. func.: ogf

$$\{(8 n^2 + 28 n + 24) a(n + 1) + (-6 n^2 - 24 n - 20) a(n + 2)$$
$$+ (n^2 + 5 n + 4) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A126221
Score: 5.18689
Type of gen. func.: ogf

$$4 f(x)^2 x^3 - 4 f(x)^2 x^2 + f(x)^2 x - 2 f(x) x^2 + 3 f(x) x + x^2 - f(x) - 2 x + 1$$

Sequence: A126223
Score: 3.56521
Type of gen. func.: ogf

$$\{(-16 n^2 + 8 n) a(n) + (20 n^2 + 40 n + 8) a(n + 1)$$

$$+ (-8 n^2 - 34 n - 32) a(n + 2) + (n^2 + 6 n + 8) a(n + 3), a(0) = 0,$$

$$a(1) = 1, a(2) = 2\}$$

Sequence: A126223
Score: 6.68075
Type of gen. func.: ogf

$$4 f(x)^2 x^2 - f(x)^2 x - 8 f(x) x^2 + 4 x^3 + 6 f(x) x - 4 x^2 - f(x) + x$$

Sequence: A126224
Score: 4.25375
Type of gen. func.: egf]

$$\{(48 n^3 + 368 n^2 + 884 n + 660) a(n + 1) + (3 n^3 + 20 n^2 + 43 n + 30) a(n + 3),$$

$$a(0) = 1, a(1) = -5, a(2) = -24\}$$

Sequence: A126264
Score: 15.1548
Type of gen. func.: ogf

$$- \frac{2 (x + 4)}{(x - 1)^3}$$

Sequence: A126264
Score: 37.5228
Type of gen. func.: lgdogf

$$- \frac{13 + 2 x}{(x + 4) (x - 1)}$$

Sequence: A126264
Score: 7.04566
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 8, a(1) = 26, a(2) = 54\}$$

Sequence: A126264
Score: 7.30187
Type of gen. func.: ogf

$$(5725 f(x) - 47634) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 2 x + 8)$$

Sequence: A126269
Score: 3.88919
Type of gen. func.: ogf

$$-\frac{2 x^3 - 4 x - 3}{(x - 1) (x + 1) (2 x^2 - 1)}$$

Sequence: A126269
Score: 4.16526
Type of gen. func.: ogf

$$(814 f(x) - 51) (2 f(x) x^4 - 3 f(x) x^2 + 2 x^3 + f(x) - 4 x - 3)$$

Sequence: A126274
Score: 18.1743
Type of gen. func.: lgdogf

$$-\frac{3 (7 x^2 + 18 x + 5)}{(x - 1) (7 x^2 + 10 x + 1)}$$

Sequence: A126274
Score: 3.56110
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (12 + 9 n) a(n + 3) + (-60 - 3 n) a(n + 2)$$
$$+ (-28 - 7 n) a(n + 1), a(0) = 1, a(1) = 15, a(2) = 72, a(3) = 220\}$$

Sequence: A126274
Score: 9.03630

Type of gen. func.: ogf

$$-\frac{7x^2+10x+1}{(x-1)^5}$$

Sequence: A126275
Score: 4.28775
Type of gen. func.: ogf

$$\{(n^2+8n+15)\,a(n+1)+(-2n^2-16n-60)\,a(n+2)$$
$$+(n^2+8n+15)\,a(n+3),\ a(0)=5,\ a(1)=60,\ a(2)=340\}$$

Sequence: A126275
Score: 7.25310
Type of gen. func.: ogf

$$-\frac{5(x+1)(x^2+4x+1)}{(x-1)^7}$$

Sequence: A126276
Score: 4.75469
Type of gen. func.: ogf

$$-\frac{2(7x^5+171x^4+666x^3+656x^2+171x+9)}{(x-1)^9}$$

Sequence: A126284
Score: 12.5162
Type of gen. func.: ogf

$$-\frac{3x+1}{(2x-1)(x-1)^2}$$

Sequence: A126284
Score: 16.6638
Type of gen. func.: lgdogf

$$-\frac{12 x^2 + 3 x - 7}{(x - 1) (2 x - 1) (3 x + 1)}$$

Sequence: A126284
Score: 5.87042
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 7, a(2) = 23\}$$

Sequence: A126284
Score: 6.08585
Type of gen. func.: ogf

$$(1416 f(x) - 2489) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x - f(x) + 3 x + 1)$$

Sequence: A126322
Score: 5.15523
Type of gen. func.: ogf

$$9 f(x)^2 x^4 + 27 f(x) x^3 + 81 x^4 - 18 f(x) x^2 - 54 x^3 + 6 f(x) x + 27 x^2 - f(x) - 6 x + 1$$

Sequence: A126324
Score: 10.5276
Type of gen. func.: ogf

$$f(x)^2 x^2 - 3 f(x) x + 9 x^2 - f(x) + 6 x + 1$$

Sequence: A126335
Score: 10.7049
Type of gen. func.: ogf

$$2 x^2 - 11 x - 3$$

$$-\frac{}{(x-1)^4}$$

Sequence: A126335
Score: 19.3367
Type of gen. func.: lgdogf

$$-\frac{4x^2-29x-23}{(x-1)(2x^2-11x-3)}$$

Sequence: A126335
Score: 3.69135
Type of gen. func.: ogf

$$\{(-3n-12)\,a(n+4)+(-1-8n)\,a(n+3)+(55+13n)\,a(n+2)$$
$$+(-6-2n)\,a(n+1),\ a(0)=3,\ a(1)=23,\ a(2)=72,\ a(3)=162\}$$

Sequence: A126335
Score: 5.09757
Type of gen. func.: ogf

$$(237876480\,f(x)+2544465569)$$
$$(f(x)\,x^4-4\,f(x)\,x^3+6\,f(x)\,x^2-4\,f(x)\,x+2x^2+f(x)-11x-3)$$

Sequence: A126354
Score: 10.8223
Type of gen. func.: lgdogf

$$-\frac{2x(x^4-2x^3+4x^2+6x+3)}{(x-1)(2x+1)(x^2+2x-1)(x^2-2x-1)}$$

Sequence: A126354
Score: 11.8782
Type of gen. func.: ogf

$$\frac{(2 x + 1) (x - 1)}{(x^2 + 2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A126354
Score: 6.96703
Type of gen. func.: ogf

$$-(331 f(x) + 76) (f(x) x^4 - 6 f(x) x^2 - 2 x^3 + 3 x^2 + f(x) - 1)$$

Sequence: A126358
Score: 14.1045
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{x^2 - 3 x + 1}$$

Sequence: A126358
Score: 17.5778
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 - 2 x + 2)}{(x^2 - 3 x + 1) (x^2 - x - 1)}$$

Sequence: A126358
Score: 7.25768
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + a(n + 1), a(0) = 1, a(1) = 4, a(2) = 10\}$$

Sequence: A126358
Score: 7.55091
Type of gen. func.: ogf

$$-(11 + 21 f(x)) (f(x) x^2 - 3 f(x) x + x^2 + f(x) - x - 1)$$

Sequence: A126360
Score: 10.0896
Type of gen. func.: lgdogf

$$-\frac{2\,(x^4+2\,x^3+4\,x^2-8\,x+3)}{(x^3+3\,x^2-4\,x+1)\,(x^3+5\,x^2-2\,x-1)}$$

Sequence: A126360
Score: 4.76558
Type of gen. func.: ogf

{-a(n + 4) + 4 a(n + 3) - 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 6, a(2) = 16,

a(3) = 44}

Sequence: A126360
Score: 5.36628
Type of gen. func.: ogf

$$(3+5\,f(x))\,(f(x)\,x^3+3\,f(x)\,x^2+x^3-4\,f(x)\,x+5\,x^2+f(x)-2\,x-1)$$

Sequence: A126360
Score: 9.25490
Type of gen. func.: ogf

$$-\frac{x^3+5\,x^2-2\,x-1}{x^3+3\,x^2-4\,x+1}$$

Sequence: A126361
Score: 4.32955
Type of gen. func.: ogf

$$-(f(x)+1)\,(f(x)\,x^4-4\,f(x)\,x^3+2\,x^4-2\,f(x)\,x^2-5\,x^3+4\,f(x)\,x-7\,x^2-f(x)+3\,x+1)$$

Sequence: A126361
Score: 7.02302
Type of gen. func.: lgdogf

$$-\frac{3x^6-6x^5+3x^4+28x^3-5x^2-18x+7}{(2x^4-5x^3-7x^2+3x+1)(x^4-4x^3-2x^2+4x-1)}$$

Sequence: A126361
Score: 7.58946
Type of gen. func.: ogf

$$-\frac{2x^4-5x^3-7x^2+3x+1}{x^4-4x^3-2x^2+4x-1}$$

Sequence: A126362
Score: 4.36585
Type of gen. func.: ogf

$$-(f(x)-1)(2f(x)x^4-f(x)x^3+4x^4-6f(x)x^2+x^3+5f(x)x-12x^2$$
$$-f(x)+3x+1)$$

Sequence: A126362
Score: 7.61486
Type of gen. func.: ogf

$$-\frac{4x^4+x^3-12x^2+3x+1}{(x^3-3x+1)(2x-1)}$$

Sequence: A126362
Score: 7.82739
Type of gen. func.: lgdogf

$$-\frac{2(3x^6-12x^4+4x^3+21x^2-18x+4)}{(2x-1)(x^3-3x+1)(4x^4+x^3-12x^2+3x+1)}$$

Sequence: A126363
Score: 6.45293
Type of gen. func.: ogf

$$-\frac{2x^5+13x^4-4x^3-15x^2+4x+1}{(x-1)(x^4+6x^3+x^2-4x+1)}$$

Sequence: A126364
Score: 6.16153
Type of gen. func.: ogf

$$-\frac{2(2x^4-10x^3-6x^2+16x-5)}{x^5-6x^4-x^3+10x^2-6x+1}$$

Sequence: A126365
Score: 5.54682
Type of gen. func.: ogf

$$-\frac{6x^6+4x^5-34x^4-6x^3+26x^2-5x-1}{(x^2+2x-1)(2x^4-4x^3-2x^2+4x-1)}$$

Sequence: A126366
Score: 5.07693
Type of gen. func.: ogf

$$-\frac{3x^6+22x^5-25x^4-34x^3+35x^2-5x-1}{x^6+6x^5-11x^4-6x^3+15x^2-7x+1}$$

Sequence: A126367
Score: 4.77955
Type of gen. func.: ogf

$$4x^7-23x^6-38x^5+59x^4+30x^3-40x^2+6x+1$$

$$-\frac{}{(x-1)(x^6-6x^5-13x^4+8x^3+8x^2-6x+1)}$$

Sequence: A126368
Score: 4.49730
Type of gen. func.: ogf

$$-\frac{8x^7+x^6-72x^5+25x^4+75x^3-51x^2+6x+1}{(2x-1)(x^2-3x+1)(x^4+3x^3-x^2-3x+1)}$$

Sequence: A126369
Score: 4.00348
Type of gen. func.: ogf

$$-\frac{4x^8+37x^7-33x^6-121x^5+75x^4+73x^3-57x^2+7x+1}{x^8+8x^7-12x^6-24x^5+30x^4+8x^3-20x^2+8x-1}$$

Sequence: A126370
Score: 4.02360
Type of gen. func.: ogf

$$-\frac{5x^8-39x^7-48x^6+161x^5+5x^4-139x^3+70x^2-7x-1}{x^8-9x^7-6x^6+39x^5-15x^4-29x^3+28x^2-9x+1}$$

Sequence: A126371
Score: 3.76160
Type of gen. func.: ogf

$$-\frac{10x^9+6x^8-132x^7-17x^6+266x^5-62x^4-140x^3+77x^2-8x-1}{(x-1)(2x^2+2x-1)(x^6-12x^4+4x^3+9x^2-6x+1)}$$

Sequence: A126372
Score: 3.57456
Type of gen. func.: ogf

$$-\frac{5 x^{9} + 51 x^{8} - 87 x^{7} - 202 x^{6} + 281 x^{5} + 91 x^{4} - 231 x^{3} + 92 x^{2} - 8 x - 1}{x^{9} + 9 x^{8} - 21 x^{7} - 30 x^{6} + 69 x^{5} - 7 x^{4} - 49 x^{3} + 36 x^{2} - 10 x + 1}$$

Sequence: A126376
Score: 3.67097
Type of gen. func.: ogf

$$-27 f(x)^{2} x^{3} + 27 f(x)^{2} x^{2} - 360 f(x) x^{3} - 9 f(x)^{2} x + 222 f(x) x^{2} - 1201 x^{3}$$
$$+ f(x)^{2} - 28 f(x) x + 279 x^{2} - 2 f(x) + 37 x + 1$$

Sequence: A126377
Score: 3.68905
Type of gen. func.: ogf

$$-27 f(x)^{2} x^{3} + 27 f(x)^{2} x^{2} - 378 f(x) x^{3} - 9 f(x)^{2} x + 234 f(x) x^{2} - 1324 x^{3}$$
$$+ f(x)^{2} - 30 f(x) x + 314 x^{2} - 2 f(x) + 39 x + 1$$

Sequence: A126377
Score: 3.81774
Type of gen. func.: ogf

$$\{-9 a(n) n + (-3 n - 12) a(n + 1) + (5 n + 10) a(n + 2) + (-n - 2) a(n + 3),$$
$$a(0) = 1, a(1) = 23, a(2) = 67\}$$

Sequence: A126378
Score: 3.68905
Type of gen. func.: ogf

$$-27 f(x)^{2} x^{3} + 27 f(x)^{2} x^{2} - 396 f(x) x^{3} - 9 f(x)^{2} x + 246 f(x) x^{2} - 1453 x^{3}$$
$$+ f(x)^{2} - 32 f(x) x + 351 x^{2} - 2 f(x) + 41 x + 1$$

Sequence: A126378

Score: 3.81774
Type of gen. func.: ogf

$$\{9 a(n) n + (3 n + 12) a(n + 1) + (-5 n - 10) a(n + 2) + (n + 2) a(n + 3),$$

$$a(0) = 1, a(1) = 24, a(2) = 70\}$$

Sequence: A126379
Score: 3.70713
Type of gen. func.: ogf

$$-27 f(x)^2 x^3 + 27 f(x)^2 x^2 - 414 f(x) x^3 - 9 f(x)^2 x + 258 f(x) x^2 - 1588 x^3$$

$$+ f(x)^2 - 34 f(x) x + 390 x^2 - 2 f(x) + 43 x + 1$$

Sequence: A126379
Score: 3.83645
Type of gen. func.: ogf

$$\{9 a(n) n + (3 n + 12) a(n + 1) + (-5 n - 10) a(n + 2) + (n + 2) a(n + 3),$$

$$a(0) = 1, a(1) = 25, a(2) = 73\}$$

Sequence: A126380
Score: 3.70713
Type of gen. func.: ogf

$$-27 f(x)^2 x^3 + 27 f(x)^2 x^2 - 432 f(x) x^3 - 9 f(x)^2 x + 270 f(x) x^2 - 1729 x^3$$

$$+ f(x)^2 - 36 f(x) x + 431 x^2 - 2 f(x) + 45 x + 1$$

Sequence: A126380
Score: 3.83645
Type of gen. func.: ogf

$$\{9 a(n) n + (3 n + 12) a(n + 1) + (-5 n - 10) a(n + 2) + (n + 2) a(n + 3),$$

$$a(0) = 1, a(1) = 26, a(2) = 76\}$$

Sequence: A126381
Score: 3.70713
Type of gen. func.: ogf

$$-27 f(x)^2 x^3 + 27 f(x)^2 x^2 - 450 f(x) x^3 - 9 f(x)^2 x + 282 f(x) x^2 - 1876 x^3$$

$$+ f(x)^2 - 38 f(x) x + 474 x^2 - 2 f(x) + 47 x + 1$$

Sequence: A126381
Score: 3.83645
Type of gen. func.: ogf

$$\{9 a(n) n + (3 n + 12) a(n + 1) + (-5 n - 10) a(n + 2) + (n + 2) a(n + 3),$$

$$a(0) = 1, a(1) = 27, a(2) = 79\}$$

Sequence: A126382
Score: 3.42801
Type of gen. func.: ogf

$$-27 f(x)^2 x^3 + 27 f(x)^2 x^2 - 468 f(x) x^3 - 9 f(x)^2 x + 294 f(x) x^2 - 2029 x^3$$

$$+ f(x)^2 - 40 f(x) x + 519 x^2 - 2 f(x) + 49 x + 1$$

Sequence: A126382
Score: 3.54759
Type of gen. func.: ogf

$$\{9 a(n) n + (3 n + 12) a(n + 1) + (-5 n - 10) a(n + 2) + (n + 2) a(n + 3),$$

$$a(0) = 1, a(1) = 28, a(2) = 82\}$$

Sequence: A126383
Score: 3.42801
Type of gen. func.: ogf

$$-27 f(x)^2 x^3 + 27 f(x)^2 x^2 - 486 f(x) x^3 - 9 f(x)^2 x + 306 f(x) x^2 - 2188 x^3$$

$$+ f(x)^2 - 42 f(x) x + 566 x^2 - 2 f(x) + 51 x + 1$$

Sequence: A126383
Score: 3.54759
Type of gen. func.: ogf

$$\{-9 a(n) n + (-3 n - 12) a(n + 1) + (5 n + 10) a(n + 2) + (-n - 2) a(n + 3),$$
$$a(0) = 1, a(1) = 29, a(2) = 85\}$$

Sequence: A126384
Score: 3.42801
Type of gen. func.: ogf

$$-27 f(x)^2 x^3 + 27 f(x)^2 x^2 - 504 f(x) x^3 - 9 f(x)^2 x + 318 f(x) x^2 - 2353 x^3$$
$$+ f(x)^2 - 44 f(x) x + 615 x^2 - 2 f(x) + 53 x + 1$$

Sequence: A126384
Score: 3.54759
Type of gen. func.: ogf

$$\{-9 a(n) n + (-3 n - 12) a(n + 1) + (5 n + 10) a(n + 2) + (-n - 2) a(n + 3),$$
$$a(0) = 1, a(1) = 30, a(2) = 88\}$$

Sequence: A126385
Score: 3.44587
Type of gen. func.: ogf

$$-27 f(x)^2 x^3 + 27 f(x)^2 x^2 - 522 f(x) x^3 - 9 f(x)^2 x + 330 f(x) x^2 - 2524 x^3$$
$$+ f(x)^2 - 46 f(x) x + 666 x^2 - 2 f(x) + 55 x + 1$$

Sequence: A126385
Score: 3.56607
Type of gen. func.: ogf

$$\{-9 a(n) n + (-3 n - 12) a(n + 1) + (5 n + 10) a(n + 2) + (-n - 2) a(n + 3),$$
$$a(0) = 1, a(1) = 31, a(2) = 91\}$$

Sequence: A126386
Score: 3.44587
Type of gen. func.: ogf

$$-27 f(x)^2 x^3 + 27 f(x)^2 x^2 - 540 f(x) x^3 - 9 f(x)^2 x + 342 f(x) x^2 - 2701 x^3$$
$$+ f(x)^2 - 48 f(x) x + 719 x^2 - 2 f(x) + 57 x + 1$$

Sequence: A126386
Score: 3.56607
Type of gen. func.: ogf

$$\{-9 a(n) n + (-3 n - 12) a(n + 1) + (5 n + 10) a(n + 2) + (-n - 2) a(n + 3),$$
$$a(0) = 1, a(1) = 32, a(2) = 94\}$$

Sequence: A126390
Score: 18.6054
Type of gen. func.: lgdegf]

$$2 a(n) + (-1 - n) a(n + 1), a(0) = 3, a(1) = 4$$

Sequence: A126392
Score: 12.3524
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{x^3 - 4 x + 1}$$

Sequence: A126392
Score: 14.5901
Type of gen. func.: lgdogf

$$-\frac{x^4 - 2 x^3 + x^2 - 2 x + 5}{(x^2 - x - 1) (x^3 - 4 x + 1)}$$

Sequence: A126392
Score: 6.81957
Type of gen. func.: ogf

$$(131 f(x) + 30) (f(x) x^3 - 4 f(x) x + x^2 + f(x) - x - 1)$$

Sequence: A126392
Score: 6.89135
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + a(n), a(0) = 1, a(1) = 5, a(2) = 19\}$$

Sequence: A126393
Score: 12.6726
Type of gen. func.: lgdogf

$$-\frac{2 (x^4 + 2 x^3 + 3)}{(x^3 - x^2 - 4 x + 1) (x^3 + x^2 - 2 x - 1)}$$

Sequence: A126393
Score: 4.59872
Type of gen. func.: ogf

$$\{-a(n + 4) + 4 a(n + 3) + a(n + 2) - a(n + 1), a(0) = 1, a(1) = 6, a(2) = 24, a(3) = 100\}$$

Sequence: A126393
Score: 4.96662
Type of gen. func.: ogf

$$-(25 + 47 f(x)) (f(x) x^3 - f(x) x^2 + x^3 - 4 f(x) x + x^2 + f(x) - 2 x - 1)$$

Sequence: A126393
Score: 8.99749
Type of gen. func.: ogf

$$-\frac{x^3 + x^2 - 2 x - 1}{x^3 - x^2 - 4 x + 1}$$

Sequence: A126394
Score: 3.95317
Type of gen. func.: ogf

$$(11 f(x) - 40) (2 f(x) x^4 - 4 f(x) x^3 + 2 x^4 - 2 f(x) x^2 - 2 x^3 + 5 f(x) x - 4 x^2 - f(x) + 2 x + 1)$$

Sequence: A126394
Score: 6.83666
Type of gen. func.: ogf

$$-\frac{2 x^4 - 2 x^3 - 4 x^2 + 2 x + 1}{(x - 1) (2 x^3 - 2 x^2 - 4 x + 1)}$$

Sequence: A126395
Score: 4.37325
Type of gen. func.: ogf

$\{-a(n + 4) + 5 a(n + 3) - a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 8, a(2) = 34, a(3) = 150\}$

Sequence: A126395
Score: 4.7612
Type of gen. func.: ogf

$$(701 + 1081 f(x)) (6 f(x) x^3 + f(x) x^2 + 6 x^3 - 5 f(x) x + 5 x^2 + f(x) - 3 x - 1)$$

Sequence: A126395
Score: 8.50036
Type of gen. func.: lgdogf

$$-\frac{2 (12 x^4 + 12 x^3 - 7 x^2 - 6 x + 4)}{(6 x^3 + x^2 - 5 x + 1) (6 x^3 + 5 x^2 - 3 x - 1)}$$

Sequence: A126395
Score: 8.55636
Type of gen. func.: ogf

$$-\frac{6 x^{3} + 5 x^{2} - 3 x - 1}{6 x^{3} + x^{2} - 5 x + 1}$$

Sequence: A126396
Score: 5.87904
Type of gen. func.: ogf

$$-\frac{2 x^{5} + 6 x^{4} - 6 x^{3} - 10 x^{2} + 3 x + 1}{2 x^{5} + 4 x^{4} - 8 x^{3} - 5 x^{2} + 6 x - 1}$$

Sequence: A126397
Score: 4.27485
Type of gen. func.: ogf

$$-(30205 f(x) + 39407)$$

$$(f(x) x^{4} + x^{4} - 11 f(x) x^{2} + 2 x^{3} + 7 f(x) x - 15 x^{2} - f(x) + 3 x + 1)$$

Sequence: A126397
Score: 6.94575
Type of gen. func.: lgdogf

$$-\frac{2 (x^{6} - 4 x^{5} + 5 x^{4} - 10 x^{3} + 39 x^{2} - 26 x + 5)}{(x^{4} - 11 x^{2} + 7 x - 1) (x^{4} + 2 x^{3} - 15 x^{2} + 3 x + 1)}$$

Sequence: A126397
Score: 7.62978
Type of gen. func.: ogf

$$-\frac{x^{4} + 2 x^{3} - 15 x^{2} + 3 x + 1}{x^{4} - 11 x^{2} + 7 x - 1}$$

Sequence: A126398
Score: 5.13470
Type of gen. func.: ogf

$$-\frac{2x^6 - x^5 - 19x^4 + 8x^3 + 19x^2 - 4x - 1}{x^6 - 2x^5 - 11x^4 + 11x^3 + 9x^2 - 7x + 1}$$

Sequence: A126399
Score: 5.13470
Type of gen. func.: ogf

$$-\frac{4x^6 - 7x^5 - 21x^4 + 17x^3 + 22x^2 - 5x - 1}{2x^6 - 5x^5 - 9x^4 + 15x^3 + 8x^2 - 7x + 1}$$

Sequence: A126400
Score: 5.05121
Type of gen. func.: ogf

$$-\frac{18x^6 + 3x^5 - 50x^4 + 3x^3 + 31x^2 - 5x - 1}{(x - 1)(9x^5 + 6x^4 - 19x^3 - 7x^2 + 7x - 1)}$$

Sequence: A126401
Score: 4.39711
Type of gen. func.: ogf

$$-\frac{4x^7 + 17x^6 - 18x^5 - 63x^4 + 13x^3 + 35x^2 - 6x - 1}{2x^7 + 7x^6 - 12x^5 - 25x^4 + 17x^3 + 13x^2 - 8x + 1}$$

Sequence: A126402
Score: 3.59981
Type of gen. func.: ogf

$$2x^8 + 5x^7 - 52x^6 - 25x^5 + 102x^4 + 14x^3 - 46x^2 + 6x + 1$$

$$-\frac{\qquad}{x^{8}+x^{7}-23x^{6}-x^{5}+46x^{4}-10x^{3}-20x^{2}+9x-1}$$

Sequence: A126403
Score: 3.61896
Type of gen. func.: ogf

$$-\frac{3x^{8}-2x^{7}-61x^{6}+10x^{5}+131x^{4}+4x^{3}-51x^{2}+7x+1}{x^{8}-2x^{7}-23x^{6}+14x^{5}+49x^{4}-16x^{3}-19x^{2}+9x-1}$$

Sequence: A126404
Score: 3.17908
Type of gen. func.: ogf

$$-\frac{6x^{9}-20x^{8}-50x^{7}+120x^{6}+100x^{5}-171x^{4}-48x^{3}+64x^{2}-7x-1}{2x^{9}-8x^{8}-14x^{7}+50x^{6}+19x^{5}-73x^{4}+4x^{3}+27x^{2}-10x+1}$$

Sequence: A126405
Score: 3.52719
Type of gen. func.: ogf

$$-\frac{36x^{8}+22x^{7}-172x^{6}-61x^{5}+220x^{4}+39x^{3}-70x^{2}+8x+1}{12x^{8}+2x^{7}-60x^{6}+x^{5}+80x^{4}-11x^{3}-26x^{2}+10x-1}$$

Sequence: A126420
Score: 10.9417
Type of gen. func.: ogf

$$\frac{x^{3}-3x^{2}+9x-1}{(x-1)^{4}}$$

Sequence: A126420
Score: 19.3308
Type of gen. func.: lgdogf

$$-\frac{x^3 - 3 x^2 + 21 x + 5}{(x - 1) (x^3 - 3 x^2 + 9 x - 1)}$$

Sequence: A126420
Score: 4.62917
Type of gen. func.: ogf

$$\{(-3 n^2 - 19 n - 26) a(n + 1) + (10 n^2 + 64 n + 98) a(n + 2)$$

$$+ (-7 n^2 - 33 n - 36) a(n + 3), a(0) = -1, a(1) = 5, a(2) = 23\}$$

Sequence: A126420
Score: 5.97524
Type of gen. func.: ogf

$$(334 f(x) + 883)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x + 3 x^2 + f(x) - 9 x + 1)$$

Sequence: A126423
Score: 15.8184
Type of gen. func.: lgdogf

$$-\frac{x^4 - 8 x^3 - 24 x^2 - 76 x - 13}{(x - 1) (x^4 - 6 x^3 - 2 x^2 - 18 x + 1)}$$

Sequence: A126423
Score: 9.83701
Type of gen. func.: ogf

$$\frac{x^4 - 6 x^3 - 2 x^2 - 18 x + 1}{(x - 1)^5}$$

Sequence: A126426
Score: 11.3215
Type of gen. func.: lgdogf

$$-\frac{x^5 - 5x^4 + 100x^3 + 320x^2 + 275x + 29}{(x-1)(x^5 - 5x^4 + 40x^3 + 50x^2 + 35x - 1)}$$

Sequence: A126426
Score: 7.57401
Type of gen. func.: ogf

$$\frac{x^5 - 5x^4 + 40x^3 + 50x^2 + 35x - 1}{(x-1)^6}$$

Sequence: A126431
Score: 12.3694
Type of gen. func.: ogf

$$\frac{10x}{(10x-1)^2}$$

Sequence: A126431
Score: 19.9458
Type of gen. func.: revogf

$$\frac{2x}{5(1 + (4x+1)^{1/2})^2}$$

Sequence: A126431
Score: 5.96641
Type of gen. func.: ogf

$$\{a(n+2) - 20a(n+1) + 100a(n), a(0) = 0, a(1) = 10\}$$

Sequence: A126431
Score: 8.04992

Type of gen. func.: ogf

$$-100 f(x) x^2 + 20 f(x) x - f(x) + 10 x$$

Sequence: A126473
Score: 13.3258
Type of gen. func.: ogf

$$-\frac{x + 1}{3 x^2 + 4 x - 1}$$

Sequence: A126473
Score: 13.9833
Type of gen. func.: revogf

$$\frac{-4 x - 1 + (28 x^2 + 12 x + 1)^{1/2}}{2 (3 x + 1)}$$

Sequence: A126473
Score: 17.2735
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 6 x + 5}{(x + 1) (3 x^2 + 4 x - 1)}$$

Sequence: A126473
Score: 7.31295
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A126473
Score: 8.38858
Type of gen. func.: ogf

$$(26 f(x) - 1) (3 f(x) x^2 + 4 f(x) x - f(x) + x + 1)$$

Sequence: A126474
Score: 12.5240
Type of gen. func.: lgdogf

$$-\frac{2 (x^4 - 2 x^3 + 3)}{(x^2 - x - 1) (2 x^3 - x^2 - 5 x + 1)}$$

Sequence: A126474
Score: 4.81399
Type of gen. func.: ogf

$$-(61 f(x) + 11) (2 f(x) x^3 - f(x) x^2 - 5 f(x) x + x^2 + f(x) - x - 1)$$

Sequence: A126474
Score: 4.98439
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) - a(n + 1) + 2 a(n), a(0) = 1, a(1) = 6, a(2) = 30\}$$

Sequence: A126474
Score: 9.23338
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{2 x^3 - x^2 - 5 x + 1}$$

Sequence: A126475
Score: 4.01037
Type of gen. func.: ogf

$$-(136 f(x) - 437)$$

$$(f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 + x^3 - 5 f(x) x + x^2 + f(x) - 2 x - 1)$$

Sequence: A126475
Score: 7.55199
Type of gen. func.: ogf

$$-\frac{x^3+x^2-2x-1}{x^4+2x^3-3x^2-5x+1}$$

Sequence: A126475
Score: 7.69358
Type of gen. func.: lgdogf

$$-\frac{x^6+2x^5-x^4-2x^3+2x^2+4x+7}{(x^3+x^2-2x-1)(x^4+2x^3-3x^2-5x+1)}$$

Sequence: A126476
Score: 3.97818
Type of gen. func.: ogf

$$-(5f(x)-17)\,(f(x)\,x^4-3f(x)\,x^3+x^4-f(x)\,x^2-x^3+6f(x)\,x-3x^2-f(x)+2x+1)$$

Sequence: A126476
Score: 7.02031
Type of gen. func.: ogf

$$-\frac{(x-1)(x^3-3x-1)}{x^4-3x^3-x^2+6x-1}$$

Sequence: A126476
Score: 7.49420
Type of gen. func.: lgdogf

$$-\frac{2(x^6-2x^5-2x^4+4x^3+2x^2-4x+4)}{(x-1)(x^3-3x-1)(x^4-3x^3-x^2+6x-1)}$$

Sequence: A126477
Score: 3.91585
Type of gen. func.: ogf

$$(305 f(x) + 56) \left(2 f(x) x^4 - 2 f(x) x^3 + 2 x^4 - 6 f(x) x^2 + 7 f(x) x - 6 x^2 - f(x) + 2 x + 1 \right)$$

Sequence: A126477
Score: 7.11973
Type of gen. func.: ogf

$$-\frac{2 x^4 - 6 x^2 + 2 x + 1}{(x - 1) (2 x^3 - 6 x + 1)}$$

Sequence: A126477
Score: 7.14981
Type of gen. func.: lgdogf

$$-\frac{4 x^6 - 18 x^4 + 8 x^3 + 24 x^2 - 24 x + 9}{(x - 1) (2 x^3 - 6 x + 1) (2 x^4 - 6 x^2 + 2 x + 1)}$$

Sequence: A126478
Score: 3.63767
Type of gen. func.: ogf

$$-(373 f(x) + 657) (6 f(x) x^4 - 10 f(x) x^3 + 6 x^4 - 4 f(x) x^2 - 6 x^3 + 7 f(x) x - 8 x^2 - f(x) + 3 x + 1)$$

Sequence: A126478
Score: 5.65174
Type of gen. func.: lgdogf

6 5 4 3 2

$$-\frac{2\,(12\,x - 24\,x - 8\,x + 36\,x - 2\,x - 12\,x + 5)}{(6\,x^4 - 10\,x^3 - 4\,x^2 + 7\,x - 1)\,(6\,x^4 - 6\,x^3 - 8\,x^2 + 3\,x + 1)}$$

Sequence: A126478
Score: 6.51398
Type of gen. func.: ogf

$$-\frac{6\,x^4 - 6\,x^3 - 8\,x^2 + 3\,x + 1}{6\,x^4 - 10\,x^3 - 4\,x^2 + 7\,x - 1}$$

Sequence: A126479
Score: 5.41536
Type of gen. func.: ogf

$$-\frac{8\,x^5 + 6\,x^4 - 16\,x^3 - 10\,x^2 + 4\,x + 1}{8\,x^5 + 2\,x^4 - 18\,x^3 - 2\,x^2 + 7\,x - 1}$$

Sequence: A126480
Score: 5.39796
Type of gen. func.: ogf

$$-\frac{6\,x^5 + 14\,x^4 - 14\,x^3 - 16\,x^2 + 4\,x + 1}{6\,x^5 + 10\,x^4 - 18\,x^3 - 8\,x^2 + 8\,x - 1}$$

Sequence: A126481
Score: 4.36782
Type of gen. func.: ogf

$$-\frac{2\,x^7 + 2\,x^6 - 20\,x^5 - 16\,x^4 + 29\,x^3 + 19\,x^2 - 5\,x - 1}{2\,x^7 - 18\,x^5 - 5\,x^4 + 28\,x^3 + 6\,x^2 - 8\,x + 1}$$

Sequence: A126482
Score: 4.12983

Type of gen. func.: ogf

$$-\frac{x^7+5x^6-8x^5-35x^4+21x^3+27x^2-5x-1}{x^7+3x^6-10x^5-21x^4+25x^3+13x^2-9x+1}$$

Sequence: A126483
Score: 3.67830
Type of gen. func.: ogf

$$-\frac{2x^8-5x^7-19x^6+35x^5+48x^4-40x^3-31x^2+6x+1}{x^8-4x^7-8x^6+29x^5+20x^4-37x^3-11x^2+9x-1}$$

Sequence: A126484
Score: 3.69285
Type of gen. func.: ogf

$$-\frac{4x^8+x^7-39x^6+6x^5+83x^4-22x^3-41x^2+6x+1}{2x^8-x^7-21x^6+14x^5+45x^4-30x^3-19x^2+10x-1}$$

Sequence: A126485
Score: 3.59853
Type of gen. func.: ogf

$$-\frac{18x^8-27x^7-89x^6+63x^5+118x^4-44x^3-46x^2+7x+1}{(x-1)(9x^7-9x^6-49x^5+2x^4+52x^3+8x^2-9x+1)}$$

Sequence: A126486
Score: 3.63899
Type of gen. func.: ogf

$$-\frac{24x^8+3x^7-128x^6-3x^5+169x^4-12x^3-58x^2+7x+1}{12x^8-3x^7-64x^6+21x^5+83x^4-32x^3-26x^2+11x-1}$$

Sequence: A126501
Score: 13.1929
Type of gen. func.: ogf

$$-\frac{x + 1}{4 x^2 + 5 x - 1}$$

Sequence: A126501
Score: 13.8453
Type of gen. func.: revogf

$$\frac{-5 x - 1 + (41 x^2 + 14 x + 1)^{1/2}}{2 (4 x + 1)}$$

Sequence: A126501
Score: 16.1529
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^2 + 4 x + 3)}{(x + 1) (4 x^2 + 5 x - 1)}$$

Sequence: A126501
Score: 6.52398
Type of gen. func.: ogf

$$-(325 f(x) - 1) (4 f(x) x^2 + 5 f(x) x - f(x) + x + 1)$$

Sequence: A126501
Score: 7.24001
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A126502
Score: 10.0412
Type of gen. func.: lgdogf

$$- \frac{3 x^4 - 6 x^3 - x^2 + 2 x + 7}{(x^2 - x - 1) (3 x^3 - 2 x^2 - 6 x + 1)}$$

Sequence: A126502
Score: 4.61842
Type of gen. func.: ogf

$$-(2129 f(x) + 302) (3 f(x) x^3 - 2 f(x) x^2 - 6 f(x) x + x^2 + f(x) - x - 1)$$

Sequence: A126502
Score: 4.90451
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) - 2 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 7, a(2) = 43\}$$

Sequence: A126502
Score: 9.08541
Type of gen. func.: ogf

$$- \frac{x^2 - x - 1}{3 x^3 - 2 x^2 - 6 x + 1}$$

Sequence: A126503
Score: 4.11644
Type of gen. func.: ogf

$$(23 f(x) - 11)$$

$$(2 f(x) x^4 + 3 f(x) x^3 - 5 f(x) x^2 + x^3 - 6 f(x) x + x^2 + f(x) - 2 x - 1)$$

Sequence: A126503
Score: 7.00252
Type of gen. func.: lgdogf

$$2 (x^6 + 2 x^5 - 2 x^4 - 4 x^3 + 2 x^2 + 4 x + 4)$$

```
              - --------------------------------------------------
                  3    2                4      3      2
                (x  + x  - 2 x - 1) (2 x  + 3 x  - 5 x  - 6 x + 1)
```

```
------------------------------------------------------------------------------
```

Sequence: A126503
Score: 7.43096
Type of gen. func.: ogf

```
                                 3    2
                                x  + x  - 2 x - 1
                         - ----------------------------
                              4      3      2
                           2 x  + 3 x  - 5 x  - 6 x + 1
```

```
------------------------------------------------------------------------------
```

Sequence: A126504
Score: 6.90780
Type of gen. func.: ogf

```
                                          3
                              (x - 1) (x  - 3 x - 1)
                           - ------------------------
                               5      3    2
                             x  - 6 x  + x  + 7 x - 1
```

```
------------------------------------------------------------------------------
```

Sequence: A126505
Score: 5.93214
Type of gen. func.: ogf

```
                          5    4      3      2
                         x  + x  - 4 x  - 3 x  + 3 x + 1
                       - -------------------------------
                          5    4      3      2
                         x  - x  - 6 x  + 3 x  + 7 x - 1
```

```
------------------------------------------------------------------------------
```

Sequence: A126506
Score: 5.15367
Type of gen. func.: ogf

```
                      2              4      3      2
                    (x  + x - 1) (2 x  - 4 x  - 2 x  + 4 x + 1)
                - ---------------------------------------------
                                 5      4      3      2
                  (x - 1) (2 x  - 2 x  - 8 x  + 5 x  + 7 x - 1)
```

```
------------------------------------------------------------------------------
```

Sequence: A126507
Score: 6.49600
Type of gen. func.: ogf

$$-\frac{6x^5+6x^4-14x^3-8x^2+4x+1}{6x^5+2x^4-18x^3+8x-1}$$

Sequence: A126508
Score: 5.04159
Type of gen. func.: ogf

$$-\frac{8x^6-8x^5-22x^4+16x^3+14x^2-4x-1}{8x^6-12x^5-18x^4+26x^3+6x^2-9x+1}$$

Sequence: A126509
Score: 5.85148
Type of gen. func.: ogf

$$-\frac{20x^5+14x^4-30x^3-16x^2+5x+1}{20x^5+6x^4-34x^3-4x^2+9x-1}$$

Sequence: A126510
Score: 5.11466
Type of gen. func.: ogf

$$-\frac{8x^6+24x^5-6x^4-48x^3-18x^2+6x+1}{8x^6+20x^5-14x^4-42x^3-2x^2+9x-1}$$

Sequence: A126511
Score: 5.54473
Type of gen. func.: ogf

$$-\frac{6x^6+8x^5-40x^4-70x^3-20x^2+7x+1}{6x^6+4x^5-40x^4-50x^3+9x-1}$$

Sequence: A126512
Score: 4.03854
Type of gen. func.: ogf

$$-\frac{2x^8+8x^7-10x^6-56x^5-7x^4+74x^3+30x^2-7x-1}{2x^8+6x^7-14x^6-43x^5+13x^4+60x^3+7x^2-10x+1}$$

Sequence: A126528
Score: 13.2668
Type of gen. func.: revogf

$$\frac{-1-6x+(56x^2+16x+1)^{1/2}}{2(5x+1)}$$

Sequence: A126528
Score: 15.5926
Type of gen. func.: ogf

$$-\frac{x+1}{5x^2+6x-1}$$

Sequence: A126528
Score: 15.9202
Type of gen. func.: lgdogf

$$-\frac{5x^2+10x+7}{(x+1)(5x^2+6x-1)}$$

Sequence: A126528
Score: 8.15891
Type of gen. func.: ogf

$$(52f(x)-3)(5f(x)x^2+6f(x)x-f(x)+x+1)$$

Sequence: A126528
Score: 8.55690
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) - 5 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A126529
Score: 10.3781
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^4 - 4 x^3 - x^2 + 2 x + 4)}{(x^2 - x - 1) (4 x^3 - 3 x^2 - 7 x + 1)}$$

Sequence: A126529
Score: 4.94296
Type of gen. func.: ogf

$$-(1163 f(x) + 135) (4 f(x) x^3 - 3 f(x) x^2 - 7 f(x) x + x^2 + f(x) - x - 1)$$

Sequence: A126529
Score: 5.24916
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) - 3 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 8, a(2) = 58\}$$

Sequence: A126529
Score: 9.72385
Type of gen. func.: ogf

$$- \frac{x^2 - x - 1}{4 x^3 - 3 x^2 - 7 x + 1}$$

Sequence: A126530
Score: 4.24395
Type of gen. func.: ogf

$(15394 f(x) - 3965)$

$$(3 f(x) x^4 + 4 f(x) x^3 - 7 f(x) x^2 + x^3 - 7 f(x) x + x^2 + f(x) - 2 x - 1)$$

Sequence: A126530
Score: 7.48933
Type of gen. func.: lgdogf

$$-\frac{3 x^6 + 6 x^5 - 7 x^4 - 14 x^3 + 6 x^2 + 12 x + 9}{(x + 1) (3 x^3 + x^2 - 8 x + 1) (x^3 + x^2 - 2 x - 1)}$$

Sequence: A126530
Score: 7.93674
Type of gen. func.: ogf

$$-\frac{x^3 + x^2 - 2 x - 1}{(x + 1) (3 x^3 + x^2 - 8 x + 1)}$$

Sequence: A126531
Score: 6.70013
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^3 - 3 x - 1)}{(x + 1) (2 x^4 - 3 x^3 - 6 x^2 + 9 x - 1)}$$

Sequence: A126531
Score: 6.71570
Type of gen. func.: lgdogf

$$-\frac{2 (x^8 - 2 x^7 - 4 x^6 + 8 x^5 + 5 x^4 - 10 x^3 + 5)}{(x - 1) (x + 1) (x^3 - 3 x - 1) (2 x^4 - 3 x^3 - 6 x^2 + 9 x - 1)}$$

Sequence: A126532
Score: 5.21355
Type of gen. func.: ogf

$$-\frac{x^5 + x^4 - 4 x^3 - 3 x^2 + 3 x + 1}{(x + 1) (x^5 + x^4 - 6 x^3 - 3 x^2 + 9 x - 1)}$$

Sequence: A126533
Score: 5.24645
Type of gen. func.: ogf

$$-\frac{x^6 - x^5 - 5 x^4 + 4 x^3 + 6 x^2 - 3 x - 1}{x^6 - 3 x^5 - 3 x^4 + 12 x^3 - 9 x + 1}$$

Sequence: A126534
Score: 4.49655
Type of gen. func.: ogf

$$-\frac{2 x^7 + 2 x^6 - 10 x^5 - 8 x^4 + 13 x^3 + 7 x^2 - 4 x - 1}{(x - 1) (2 x^6 + 2 x^5 - 10 x^4 - 9 x^3 + 11 x^2 + 8 x - 1)}$$

Sequence: A126535
Score: 4.70160
Type of gen. func.: ogf

$$-\frac{6 x^6 - 6 x^5 - 20 x^4 + 14 x^3 + 12 x^2 - 4 x - 1}{6 x^6 - 10 x^5 - 16 x^4 + 26 x^3 + 4 x^2 - 10 x + 1}$$

Sequence: A126536
Score: 4.22737
Type of gen. func.: ogf

$$-\frac{8 x^7 + 8 x^6 - 30 x^5 - 22 x^4 + 30 x^3 + 14 x^2 - 5 x - 1}{8 x^7 + 4 x^6 - 34 x^5 - 8 x^4 + 40 x^3 + x^2 - 10 x + 1}$$

Sequence: A126537
Score: 4.75283
Type of gen. func.: ogf

$$-\frac{20x^6-20x^5-44x^4+30x^3+21x^2-5x-1}{20x^6-28x^5-36x^4+46x^3+9x^2-11x+1}$$

Sequence: A126538
Score: 3.85383
Type of gen. func.: ogf

$$-\frac{24x^7+16x^6-72x^5-42x^4+54x^3+24x^2-6x-1}{24x^7+8x^6-76x^5-18x^4+64x^3+6x^2-11x+1}$$

Sequence: A126539
Score: 3.80103
Type of gen. func.: ogf

$$-\frac{20x^7+36x^6-64x^5-76x^4+51x^3+33x^2-6x-1}{20x^7+28x^6-72x^5-52x^4+67x^3+15x^2-12x+1}$$

Sequence: A126560
Score: 8.37578
Type of gen. func.: ogf

$$-\frac{2\,(4x^6-3x^5+4x^4+2x^2-x+2)}{(x-1)\,(x^2+1)\,(x^4+1)}$$

Sequence: A126562
Score: 10.4602
Type of gen. func.: ogf

$$-\frac{x\,(5x^2-4x-7)}{(x-1)^4}$$

Sequence: A126562
Score: 20.9037
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^2 - x - 16)}{(x - 1) (5 x^2 - 4 x - 7)}$$

Sequence: A126562
Score: 3.79900
Type of gen. func.: ogf

$$\{(-21 - 7 n) a(n + 4) + (38 + 3 n) a(n + 3) + (11 + 9 n) a(n + 2) + (-5 n - 10) a(n + 1), a(0) = 0, a(1) = 7, a(2) = 32, a(3) = 81\}$$

Sequence: A126562
Score: 5.41559
Type of gen. func.: ogf

$$(5700 f(x) + 296957) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 5 x^3 - 4 f(x) x - 4 x^2 + f(x) - 7 x)$$

Sequence: A126564
Score: 6.97416
Type of gen. func.: ogf

$$\frac{x^2 (x^9 - x^8 + x^6 - x^5 + x^3 - x^2 + 1)}{(x - 1) (x + 1) (x^{10} - x^9 + x^8 - x^7 + x^6 - x^5 + x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A126565
Score: 6.27102
Type of gen. func.: ogf

$$- \frac{x (x^{11} - x^{10} + x^9 - x^7 + x^6 - x^4 + x^3 - x + 1)}{(x - 1) (x + 1) (x^{10} - x^9 + x^8 - x^7 + x^6 - x^5 + x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A126566
Score: 4.55241
Type of gen. func.: ogf

$$(16 f(x) - 1) \left(f(x) x^4 - 16 f(x) x^3 + 20 f(x) x^2 + 2 x^3 - 8 f(x) x - 9 x^2 + f(x) + 6 x - 1 \right)$$

Sequence: A126566
Score: 7.01644
Type of gen. func.: lgdogf

$$- \frac{2 (x^6 - 9 x^5 + 61 x^4 - 82 x^3 + 45 x^2 - 11 x + 1)}{(2 x - 1) (x^2 - 4 x + 1) (x^4 - 16 x^3 + 20 x^2 - 8 x + 1)}$$

Sequence: A126566
Score: 8.06757
Type of gen. func.: ogf

$$- \frac{(2 x - 1) (x^2 - 4 x + 1)}{x^4 - 16 x^3 + 20 x^2 - 8 x + 1}$$

Sequence: A126567
Score: 5.20386
Type of gen. func.: ogf

$$- \frac{(2 x - 1) (2 x^4 - 16 x^3 + 20 x^2 - 8 x + 1)}{(3 x - 1) (x - 1) (x^4 - 16 x^3 + 20 x^2 - 8 x + 1)}$$

Sequence: A126568
Score: 6.67997
Type of gen. func.: ogf

$$-5 f(x)^2 x^2 + 11 f(x)^2 x - 2 f(x)^2 - 5 f(x) x + f(x) + 1$$

Sequence: A126569
Score: 4.59790
Type of gen. func.: ogf

$$-\frac{(2 x - 1) (2 x^2 - 4 x + 1) (x^4 - 16 x^3 + 20 x^2 - 8 x + 1)}{x^8 - 96 x^7 + 440 x^6 - 784 x^5 + 714 x^4 - 364 x^3 + 105 x^2 - 16 x + 1}$$

Sequence: A126587
Score: 12.9035
Type of gen. func.: ogf

$$-\frac{x^2 + 8 x + 3}{(x - 1)^3}$$

Sequence: A126587
Score: 24.9024
Type of gen. func.: lgdogf

$$-\frac{(x + 17) (x + 1)}{(x - 1) (x^2 + 8 x + 3)}$$

Sequence: A126587
Score: 6.67044
Type of gen. func.: ogf

$$(3645 f(x) - 23207) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 8 x + 3)$$

Sequence: A126587
Score: 6.90449
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3, a(1) = 17, a(2) = 43\}$$

Sequence: A126590
Score: 9.40000
Type of gen. func.: ogf

$$\frac{3 x^6 + 2 x^5 + x^4 + 3 x^3 + x^2 + 2 x + 3}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A126596
Score: 4.83728
Type of gen. func.: ogf

$$\{(256 n^3 + 1408 n^2 + 2480 n + 1400) a(n + 1)$$

$$+ (-27 n^3 - 162 n^2 - 321 n - 210) a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A126602
Score: 6.12568
Type of gen. func.: ogf

$$- 2 (7975 x^7 + 4312 x^6 + 10875 x^5 + 5600 x^4 + 9570 x^3 + 4392 x^2 + 4368 x + 4060$$

$$) \Big/ ((x - 1) (x + 1) (x^2 + 1) (x^4 + 1))$$

Sequence: A126617
Score: 21.2817
Type of gen. func.: lgdegf]

$$-a(n) + (n + 1) a(n + 1), a(0) = -1, a(1) = 1$$

Sequence: A126627
Score: 5.15050
Type of gen. func.: ogf

$$- \frac{720 x^5 - 1764 x^4 + 1372 x^3 - 539 x^2 + 98 x - 7}{(x - 1) (6 x - 1) (-1 + 4 x) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A126628
Score: 5.20295
Type of gen. func.: ogf

$$-\frac{2\,(360\,x^{5}-882\,x^{4}+697\,x^{3}-284\,x^{2}+53\,x-4)}{(x-1)\,(6\,x-1)\,(-1+4\,x)\,(3\,x-1)\,(2\,x-1)\,(5\,x-1)}$$

Sequence: A126629
Score: 5.24839
Type of gen. func.: ogf

$$-\frac{2\,(360\,x^{5}-882\,x^{4}+695\,x^{3}-281\,x^{2}+52\,x-4)}{(x-1)\,(6\,x-1)\,(-1+4\,x)\,(3\,x-1)\,(2\,x-1)\,(5\,x-1)}$$

Sequence: A126631
Score: 4.76187
Type of gen. func.: ogf

$$-\frac{720\,x^{5}-1764\,x^{4}+1412\,x^{3}-591\,x^{2}+112\,x-9}{(x-1)\,(6\,x-1)\,(-1+4\,x)\,(3\,x-1)\,(2\,x-1)\,(5\,x-1)}$$

Sequence: A126632
Score: 4.80658
Type of gen. func.: ogf

$$-\frac{720\,x^{5}-1764\,x^{4}+1408\,x^{3}-585\,x^{2}+110\,x-9}{(x-1)\,(6\,x-1)\,(-1+4\,x)\,(3\,x-1)\,(2\,x-1)\,(5\,x-1)}$$

Sequence: A126633
Score: 4.31851
Type of gen. func.: ogf

$$-\frac{2\,(360\,x^{5}-882\,x^{4}+713\,x^{3}-304\,x^{2}+58\,x-5)}{(x-1)\,(6\,x-1)\,(-1+4\,x)\,(3\,x-1)\,(2\,x-1)\,(5\,x-1)}$$

Sequence: A126634
Score: 6.43967
Type of gen. func.: ogf

$$-\frac{6 (20 x^4 - 39 x^3 + 31 x^2 - 9 x + 1)}{(x - 1) (-1 + 4 x) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A126635
Score: 6.55415
Type of gen. func.: ogf

$$-\frac{120 x^4 - 242 x^3 + 197 x^2 - 58 x + 7}{(x - 1) (-1 + 4 x) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A126639
Score: 6.55415
Type of gen. func.: ogf

$$-\frac{120 x^4 - 238 x^3 + 191 x^2 - 56 x + 7}{(x - 1) (-1 + 4 x) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A126640
Score: 6.64001
Type of gen. func.: ogf

$$-\frac{2 (60 x^4 - 123 x^3 + 101 x^2 - 30 x + 4)}{(x - 1) (-1 + 4 x) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A126641
Score: 6.69725
Type of gen. func.: ogf

$$-\frac{120 x^4 - 250 x^3 + 207 x^2 - 62 x + 9}{(x - 1) (-1 + 4 x) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A126642
Score: 4.3138
Type of gen. func.: ogf

$$-(99925 f(x) + 140772) (24 f(x) x^4 - 50 f(x) x^3 + 35 f(x) x^2 + 24 x^3 - 10 f(x) x - 50 x^2 + f(x) + 25 x - 5)$$

Sequence: A126642
Score: 4.48521
Type of gen. func.: ogf

$$\{-a(n + 4) + 10 a(n + 3) - 35 a(n + 2) + 50 a(n + 1) - 24 a(n), a(0) = 5, a(1) = 25, a(2) = 125, a(3) = 601\}$$

Sequence: A126642
Score: 5.55820
Type of gen. func.: lgdogf

$$-\frac{576 x^6 - 2400 x^5 + 3460 x^4 - 2500 x^3 + 1053 x^2 - 250 x + 25}{(x - 1) (-1 + 4 x) (3 x - 1) (2 x - 1) (24 x^3 - 50 x^2 + 25 x - 5)}$$

Sequence: A126642
Score: 8.06269
Type of gen. func.: ogf

$$-\frac{24 x^3 - 50 x^2 + 25 x - 5}{(2 x - 1) (3 x - 1) (-1 + 4 x) (x - 1)}$$

Sequence: A126643
Score: 4.29171
Type of gen. func.: ogf

$$-(5825821 f(x) + 8586732) (24 f(x) x^4 - 50 f(x) x^3 + 35 f(x) x^2 + 24 x^3 - 10 f(x) x - 50 x^2 + f(x) + 26 x - 6)$$

Sequence: A126643
Score: 5.69553
Type of gen. func.: lgdogf

$$-\frac{288 x^{6} - 1200 x^{5} + 1766 x^{4} - 1348 x^{3} + 619 x^{2} - 160 x + 17}{(x - 1) (-1 + 4 x) (3 x - 1) (2 x - 1) (12 x^{3} - 25 x^{2} + 13 x - 3)}$$

Sequence: A126643
Score: 8.17467
Type of gen. func.: ogf

$$-\frac{2 (12 x^{3} - 25 x^{2} + 13 x - 3)}{(2 x - 1) (3 x - 1) (-1 + 4 x) (x - 1)}$$

Sequence: A126644
Score: 24.0261
Type of gen. func.: revegf]

$$\ln((8 + 9 x)^{(1/3)} + 1) - \ln(3)$$

Sequence: A126644
Score: 5.24243
Type of gen. func.: ogf

$$(1379 f(x) + 906) (6 f(x) x^{3} - 11 f(x) x^{2} + 6 f(x) x + 6 x^{2} - f(x) - 8 x + 4)$$

Sequence: A126644
Score: 5.33360
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 11 a(n + 1) - 6 a(n), a(0) = 4, a(1) = 16, a(2) = 58\}$$

Sequence: A126644
Score: 8.83311
Type of gen. func.: lgdogf

$$-\frac{2\,(9\,x^4 - 24\,x^3 + 31\,x^2 - 19\,x + 4)}{(x - 1)\,(3\,x - 1)\,(2\,x - 1)\,(3\,x^2 - 4\,x + 2)}$$

Sequence: A126644
Score: 9.89297
Type of gen. func.: ogf

$$-\frac{2\,(3\,x^2 - 4\,x + 2)}{(x - 1)\,(3\,x - 1)\,(2\,x - 1)}$$

Sequence: A126645
Score: 11.7712
Type of gen. func.: ogf

$$-\frac{6\,x^2 - 9\,x + 5}{(x - 1)\,(3\,x - 1)\,(2\,x - 1)}$$

Sequence: A126645
Score: 6.2915
Type of gen. func.: ogf

$$(359\,f(x) + 165)\,(6\,f(x)\,x^3 - 11\,f(x)\,x^2 + 6\,f(x)\,x + 6\,x^2 - f(x) - 9\,x + 5)$$

Sequence: A126645
Score: 6.34621
Type of gen. func.: ogf

$$\{a(n + 3) - 6\,a(n + 2) + 11\,a(n + 1) - 6\,a(n),\ a(0) = 5,\ a(1) = 21,\ a(2) = 77\}$$

Sequence: A126645
Score: 8.67154
Type of gen. func.: lgdogf

$$-\frac{36\,x^4 - 108\,x^3 + 153\,x^2 - 98\,x + 21}{(x - 1)\,(3\,x - 1)\,(2\,x - 1)\,(6\,x^2 - 9\,x + 5)}$$

Sequence: A126646
Score: 14.9569
Type of gen. func.: revegf]

$$\frac{1}{2}\ln(x+1)+\operatorname{arctanh}((8x+9)^{1/2})-\operatorname{arctanh}(3)$$

Sequence: A126646
Score: 17.7122
Type of gen. func.: lgdogf

$$-\frac{4x^2-12x+7}{(x-1)(2x-1)(2x-3)}$$

Sequence: A126646
Score: 20.8121
Type of gen. func.: ogf

$$\frac{1}{(x-1)(2x-1)}$$

Sequence: A126646
Score: 8.37559
Type of gen. func.: ogf

$$\{-a(n+2)+3a(n+1)-2a(n), a(0)=1, a(1)=3\}$$

Sequence: A126646
Score: 8.47898
Type of gen. func.: ogf

$$(5f(x)+4)(2f(x)x^2-3f(x)x+f(x)-1)$$

Sequence: A126664
Score: 11.1045
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 2), a(0) = 0, a(1) = 1, a(2) = 6, a(3) = 2\}$$

Sequence: A126664
Score: 12.2667
Type of gen. func.: ogf

$$-(41 f(x) + 272) (f(x) x^{2} + x^{3} + 6 x^{2} - f(x) + x)$$

Sequence: A126664
Score: 19.9043
Type of gen. func.: ogf

$$-\frac{x (x^{2} + 6 x + 1)}{(x - 1) (x + 1)}$$

Sequence: A126664
Score: 26.0202
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^{2} + 2 x + 3)}{(x - 1) (x + 1) (x^{2} + 6 x + 1)}$$

Sequence: A126665
Score: 13.4628
Type of gen. func.: ogf

$$-\frac{43 x^{2} - 98 x + 53}{(x - 1)^{3}}$$

Sequence: A126665
Score: 24.5176
Type of gen. func.: lgdogf

$$-\frac{43 x^{2} - 110 x + 61}{}$$

$$(x - 1) (43 x^2 - 98 x + 53)$$

Sequence: A126665
Score: 6.94855
Type of gen. func.: ogf

$$-(176 f(x) - 56965) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 43 x^2 - f(x) - 98 x + 53)$$

Sequence: A126665
Score: 7.49235
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 53, a(1) = 61, a(2) = 67\}$$

Sequence: A126673
Score: 4.33717
Type of gen. func.: ogf

$$\{(n^3 + 12 n^2 + 48 n + 64) a(n + 1) + (-2 n^2 - 15 n - 26) a(n + 2) + (n + 2) a(n + 3), a(0) = 0, a(1) = 2, a(2) = 26\}$$

Sequence: A126674
Score: 5.76556
Type of gen. func.: ogf

$$\{(-2 n^2 - 8 n - 8) a(n + 1) + (3 n + 7) a(n + 2) - a(n + 3), a(0) = 0, a(1) = 1, a(2) = 4\}$$

Sequence: A126694
Score: 10.9665
Type of gen. func.: ogf

$$-49 f(x)^2 x + 6 f(x)^2 - 5 f(x) - 1$$

Sequence: A126696

Score: 11.8372
Type of gen. func.: lgdogf

$$-\frac{2\,(10\,x^{9}+x^{8}+x^{6}+x^{4}+x^{2}+1)}{(x-1)\,(x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{4}-x^{3}+x^{2}-x+1)}$$

Sequence: A126696
Score: 4.81071
Type of gen. func.: ogf

$$-\frac{x^{10}}{(x+1)\,(x^{4}+x^{3}+x^{2}+x+1)^{2}\,(x^{4}-x^{3}+x^{2}-x+1)^{2}\,(x-1)^{3}}$$

Sequence: A126718
Score: 4.40557
Type of gen. func.: ogf

$$-(422629\,f(x)+646356)\,(24\,f(x)\,x^{4}-50\,f(x)\,x^{3}+35\,f(x)\,x^{2}+24\,x^{3}$$
$$-10\,f(x)\,x-50\,x^{2}+f(x)+27\,x-7)$$

Sequence: A126718
Score: 8.28665
Type of gen. func.: ogf

$$-\frac{24\,x^{3}-50\,x^{2}+27\,x-7}{(2\,x-1)\,(3\,x-1)\,(-1+4\,x)\,(x-1)}$$

Sequence: A126719
Score: 13.2136
Type of gen. func.: ogf

$$-\frac{13\,x^{2}-38\,x+23}{(x-1)^{3}}$$

Sequence: A126719
Score: 24.8143
Type of gen. func.: lgdogf

$$-\frac{13 x^2 - 50 x + 31}{(x - 1) (13 x^2 - 38 x + 23)}$$

Sequence: A126719
Score: 6.81994
Type of gen. func.: ogf

$$-(116 f(x) - 18985) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 13 x^2 - f(x) - 38 x + 23)$$

Sequence: A126719
Score: 7.35367
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 23, a(1) = 31, a(2) = 37\}$$

Sequence: A126725
Score: 11.2401
Type of gen. func.: lgdegf]

$$\frac{x^5 - x^4 - 4 x^3 - 4 x^2 + 20 x + 12}{(x - 2) (x^2 + 2 x + 2) (x^2 - 2)}$$

Sequence: A126804
Score: 24.5182
Type of gen. func.: lgdegf]

$$-\frac{12 (x + 1)}{(2 x + 1) (-1 + 4 x)}$$

Sequence: A126804
Score: 5.64178
Type of gen. func.: ogf

$$\{(-4 n^2 - 22 n - 30) a(n + 1) + (n + 2) a(n + 2), a(0) = 2, a(1) = 24\}$$

Sequence: A126811
Score: 18.0971
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^7}{x^8 + 1}$$

Sequence: A126852
Score: 7.45851
Type of gen. func.: ogf

$$- (24 x^{11} - 17 x^{10} + 41 x^9 - 6 x^8 + 22 x^7 - 13 x^6 + 15 x^5 + 4 x^4 + 2 x^3 - 3 x^2 + 7 x + 8)/(x - 1)$$

Sequence: A126866
Score: 14.2741
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - 13 x + 1}$$

Sequence: A126866
Score: 7.54724
Type of gen. func.: ogf

$$(45 f(x) + 4) (f(x) x^2 - 13 f(x) x + f(x) - x - 1)$$

Sequence: A126866
Score: 7.81679
Type of gen. func.: ogf

$$\{-a(n + 2) + 13 a(n + 1) - a(n), a(0) = 1, a(1) = 14\}$$

Sequence: A126869
Score: 15.3049
Type of gen. func.: ogf

$$-4 f(x)^2 x^2 + f(x)^2 - 1$$

Sequence: A126869
Score: 37.8419
Type of gen. func.: lgdogf

$$- \frac{4 x}{(2 x - 1) (2 x + 1)}$$

Sequence: A126869
Score: 39.8336
Type of gen. func.: revogf

$$\frac{x}{(4 x^2 + 1)^{1/2}}$$

Sequence: A126869
Score: 5.98890
Type of gen. func.: ogf

$$\{(-3 - n) a(n + 3) + (8 + 4 n) a(n + 1), a(0) = 1, a(1) = 0, a(2) = 2\}$$

Sequence: A126898
Score: 4.49847
Type of gen. func.: ogf

$$\frac{x^8 + 7 x^7 + 28 x^6 + 79 x^5 + 130 x^4 + 79 x^3 + 28 x^2 + 7 x + 1}{(x - 1)^8}$$

Sequence: A126898
Score: 6.54099

```
Type of gen. func.: lgdogf


                          6      5       4       3       2
             15 (x + 1) (x  + 6 x  + 21 x  + 40 x  + 21 x  + 6 x + 1)
    - ----------------------------------------------------------------------
                8      7       6       5        4       3       2
      (x - 1) (x  + 7 x  + 28 x  + 79 x  + 130 x  + 79 x  + 28 x  + 7 x + 1)



------------------------------------------------------------------------------

Sequence:  A126899
Score: 30.7693
Type of gen. func.: ogf_with_Euler_transform]


                                       2
                                  [-3 x  + 9]



------------------------------------------------------------------------------

Sequence:  A126899
Score: 31.7372
Type of gen. func.: lgdogf


                                    9 (x + 1)
                             - --------------------
                                         2
                               (x - 1) (x  + x + 1)



------------------------------------------------------------------------------

Sequence:  A126899
Score: 5.66277
Type of gen. func.: ogf


{(-3 - n) a(n + 3) + 9 a(n + 2) + 9 a(n + 1) + a(n) n, a(0) = 1, a(1) = 9,

    a(2) = 45}



------------------------------------------------------------------------------

Sequence:  A126899
Score: 6.46499
Type of gen. func.: ogf


                                   2         3
                                 (x  + x + 1)
                                 -------------
                                          6
                                   (x - 1)



------------------------------------------------------------------------------

Sequence:  A126900
Score: 27.7263
Type of gen. func.: lgdogf
```

$$-\frac{18\,(x+1)}{(x-1)\,(x^2+4x+1)}$$

Sequence: A126900
Score: 4.40662
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-12 + 3 n) a(n + 2) + (-21 - 3 n) a(n + 1) - a(n) n,

a(0) = 1, a(1) = 18, a(2) = 144}

Sequence: A126900
Score: 6.09877
Type of gen. func.: ogf

$$\frac{(x^2+4x+1)^3}{(x-1)^6}$$

Sequence: A126901
Score: 14.3541
Type of gen. func.: lgdogf

$$-\frac{20\,(x+1)\,(x^2+4x+1)}{(x-1)\,(x^4+6x^3+16x^2+6x+1)}$$

Sequence: A126901
Score: 4.63257
Type of gen. func.: ogf

$$\frac{(x^4+6x^3+16x^2+6x+1)^2}{(x-1)^8}$$

Sequence: A126902
Score: 4.96060
Type of gen. func.: ogf

$$(x^{12} + 9 x^{11} + 45 x^{10} + 158 x^{9} + 432 x^{8} + 909 x^{7} + 1302 x^{6} + 909 x^{5} + 432 x^{4} + 158 x^{3} + 45 x^{2} + 9 x + 1) / (x - 1)^{12}$$

Sequence: A126903
Score: 3.47326
Type of gen. func.: ogf

$$(x^{10} + 12 x^{9} + 67 x^{8} + 232 x^{7} + 562 x^{6} + 1024 x^{5} + 562 x^{4} + 232 x^{3} + 67 x^{2} + 12 x + 1) / (x - 1)^{10}$$

Sequence: A126904
Score: 26.4888
Type of gen. func.: lgdogf

$$- \frac{24 (x + 1)}{(x - 1) (x^{2} + 4 x + 1)}$$

Sequence: A126904
Score: 4.21029
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-18 + 3 n) a(n + 2) + (-27 - 3 n) a(n + 1) - a(n) n,$$

$$a(0) = 1, a(1) = 24, a(2) = 264\}$$

Sequence: A126904
Score: 4.38784
Type of gen. func.: ogf

$$\frac{(x^{2} + 4 x + 1)^{4}}{(x - 1)^{8}}$$

Sequence: A126905
Score: 13.2928
Type of gen. func.: lgdogf

$$\frac{10 (3 x^{10} - 5 x^{9} - 2)}{(x - 1) (x^{2} + 1) (x^{8} - x^{6} + x^{4} - x^{2} + 1)}$$

Sequence: A126905
Score: 32.7917
Type of gen. func.: ogf_with_Euler_transform]

$$5 x^{9} + 20$$

Sequence: A126919
Score: 5.08931
Type of gen. func.: ogf

$$(x^{12} + 14 x^{11} + 92 x^{10} + 378 x^{9} + 1093 x^{8} + 2380 x^{7} + 4096 x^{6} + 2380 x^{5} + 1093 x^{4} + 378 x^{3} + 92 x^{2} + 14 x + 1) \bigg/ (x - 1)^{12}$$

Sequence: A126920
Score: 18.7203
Type of gen. func.: lgdogf

$$\frac{9 (x^{3} - 3 x^{2} - 2)}{(x - 1) (x + 1) (x^{2} - x + 1)}$$

Sequence: A126920
Score: 23.8354
Type of gen. func.: ogf_with_Euler_transform]

$$-9 x^{5} + 9 x^{2} + 18$$

Sequence: A126921

Score: 9.90747
Type of gen. func.: ogf

$$\frac{(x^6 + 8 x^5 + 29 x^4 + 64 x^3 + 29 x^2 + 8 x + 1)^2}{(x - 1)^{12}}$$

Sequence: A126922
Score: 4.51944
Type of gen. func.: ogf

$$\frac{x^8 + 22 x^7 + 208 x^6 + 874 x^5 + 1480 x^4 + 874 x^3 + 208 x^2 + 22 x + 1}{(x - 1)^8}$$

Sequence: A126922
Score: 6.17970
Type of gen. func.: lgdogf

$$- 30 (x + 1) (x^6 + 18 x^5 + 111 x^4 + 232 x^3 + 111 x^2 + 18 x + 1) \Big/ ((x - 1) (x^8 + 22 x^7 + 208 x^6 + 874 x^5 + 1480 x^4 + 874 x^3 + 208 x^2 + 22 x + 1))$$

Sequence: A126926
Score: 26.7192
Type of gen. func.: lgdogf

$$- \frac{36 (x + 1)}{(x - 1) (x^2 + 4 x + 1)}$$

Sequence: A126926
Score: 4.24353
Type of gen. func.: ogf

$\{(n + 3) a(n + 3) + (-30 + 3 n) a(n + 2) + (-39 - 3 n) a(n + 1) - a(n) n,$

$a(0) = 1, a(1) = 36, a(2) = 612\}$

Sequence: A126928
Score: 13.3152
Type of gen. func.: lgdogf

$$-\frac{40 (x + 1) (x^2 + 4 x + 1)}{(x - 1) (x^4 + 6 x^3 + 16 x^2 + 6 x + 1)}$$

Sequence: A126930
Score: 12.4290
Type of gen. func.: lgdogf

$$-\frac{8 x^2 - 2 x - 1 + (-(2 x - 1) (2 x + 1))^{1/2}}{2 x (2 x - 1) (2 x + 1)}$$

Sequence: A126930
Score: 34.4622
Type of gen. func.: revogf

$$-\frac{x (x - 1)}{2 x^2 - 2 x + 1}$$

Sequence: A126930
Score: 5.31586
Type of gen. func.: ogf

$\{(8 + 4 n) a(n + 1) - 2 a(n + 2) + (-n - 4) a(n + 3), a(0) = 1, a(1) = -1,$

$a(2) = 2\}$

Sequence: A126930
Score: 9.25097
Type of gen. func.: ogf

$$2 f(x)^2 x^2 + f(x)^2 x - 2 f(x) x - f(x) + 1$$

Sequence: A126931
Score: 25.8852

Type of gen. func.: revogf

$$\frac{x (3 x + 1)}{10 x^2 + 6 x + 1}$$

Sequence: A126931
Score: 8.12972
Type of gen. func.: ogf

$$10 f(x)^2 x^2 - 3 f(x)^2 x + 6 f(x) x - f(x) + 1$$

Sequence: A126932
Score: 3.57909
Type of gen. func.: ogf

$$\{(21 n + 42) a(n + 1) + (8 n + 44) a(n + 2) + (-11 n - 44) a(n + 3) + (2 n + 8) a(n + 4), a(0) = 1, a(1) = 4, a(2) = 15, a(3) = 55\}$$

Sequence: A126932
Score: 7.81242
Type of gen. func.: ogf

$$21 f(x)^2 x^2 - 13 f(x)^2 x + 2 f(x)^2 + 9 f(x) x - 3 f(x) + 1$$

Sequence: A126934
Score: 7.63877
Type of gen. func.: ogf

$$\{(8 n^2 + 24 n + 18) a(n + 1) + a(n + 2), a(0) = 1, a(1) = -2\}$$

Sequence: A126935
Score: 11.1507
Type of gen. func.: ogf

$$- \frac{6 x (x^2 - 4 x + 2)}{(x - 1)^4}$$

Sequence: A126935
Score: 26.3711
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 - 5 x + 2)}{(x - 1) (x^2 - 4 x + 2)}$$

Sequence: A126935
Score: 4.18153
Type of gen. func.: ogf

$$\{(-6 - 2 n) a(n + 4) + (16 + 6 n) a(n + 3) + (-15 - 5 n) a(n + 2)$$
$$+ (n + 2) a(n + 1), a(0) = 0, a(1) = -12, a(2) = -24, a(3) = -30\}$$

Sequence: A126935
Score: 6.14931
Type of gen. func.: ogf

$$(2 f(x) + 15)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 6 x^3 - 4 f(x) x - 24 x^2 + f(x) + 12 x)$$

Sequence: A126939
Score: 6.84782
Type of gen. func.: lgdogf

$$-\frac{x^{10} + 6 x^8 + 4 x^7 + 11 x^6 - 2 x^5 - 4 x^4 - 10 x^3 - 11 x^2 - 2 x - 1}{(x^5 + 3 x^3 + x - 1) (x^6 + 3 x^5 + 3 x^4 + 7 x^3 + x^2 + 2 x - 1)}$$

Sequence: A126939
Score: 8.16927
Type of gen. func.: ogf

$$\frac{x^5 + 3 x^3 + x - 1}{{}^{6} \quad {}^{5} \quad {}^{4} \quad {}^{3} \quad {}^{2}}$$

$$x + 3 x + 3 x + 7 x + x + 2 x - 1$$

Sequence: A126940
Score: 6.54748
Type of gen. func.: lgdogf

$$-\frac{x^{10} + 2 x^{9} + 9 x^{8} + 10 x^{7} + 7 x^{6} - 12 x^{4} - 10 x^{3} - 11 x^{2} - 2 x - 1}{(x^{5} + x^{4} + 3 x^{3} + x - 1) (x^{6} + 4 x^{5} + 4 x^{4} + 7 x^{3} + x^{2} + 2 x - 1)}$$

Sequence: A126940
Score: 7.52220
Type of gen. func.: ogf

$$\frac{x^{5} + x^{4} + 3 x^{3} + x - 1}{x^{6} + 4 x^{5} + 4 x^{4} + 7 x^{3} + x^{2} + 2 x - 1}$$

Sequence: A126941
Score: 7.17705
Type of gen. func.: lgdogf

$$-\frac{3 x^{8} + 6 x^{7} + 3 x^{6} - 6 x^{5} - 16 x^{4} - 16 x^{3} - 18 x^{2} - 2 x - 2}{(x - 1) (x^{2} + x + 1) (x^{6} + 3 x^{5} + 3 x^{4} + 7 x^{3} + x^{2} + 2 x - 1)}$$

Sequence: A126941
Score: 9.33838
Type of gen. func.: ogf

$$\frac{2 x (x - 1) (x^{2} + x + 1)}{x^{6} + 3 x^{5} + 3 x^{4} + 7 x^{3} + x^{2} + 2 x - 1}$$

Sequence: A126942
Score: 8.29348
Type of gen. func.: lgdogf

```
                 7      6       5       4       3       2
              4 x  + 9 x  + 12 x  + 22 x  + 12 x  + 19 x  + 4 x + 2
            - ------------------------------------------------------
                  2        6      5      4      3    2
                (x  + 1) (x  + 3 x  + 3 x  + 7 x  + x  + 2 x - 1)


------------------------------------------------------------------------------

Sequence:  A126942
Score: 9.33838
Type of gen. func.: ogf


                                         2
                                   2 x (x  + 1)
                    - ---------------------------------------
                       6      5      4      3    2
                      x  + 3 x  + 3 x  + 7 x  + x  + 2 x - 1


------------------------------------------------------------------------------

Sequence:  A126943
Score: 7.04163
Type of gen. func.: lgdogf


             8       7       6       5       4       3       2
          3 x  + 14 x  + 36 x  + 60 x  + 70 x  + 62 x  + 44 x  + 8 x + 7
        - ---------------------------------------------------------------
                    2            6      5      4      3    2
          (x + 1) (x  + x + 2) (x  + 3 x  + 3 x  + 7 x  + x  + 2 x - 1)


------------------------------------------------------------------------------

Sequence:  A126943
Score: 7.45621
Type of gen. func.: ogf


                               2           2
                            2 x  (x + 1) (x  + x + 2)
                    - ---------------------------------------
                       6      5      4      3    2
                      x  + 3 x  + 3 x  + 7 x  + x  + 2 x - 1


------------------------------------------------------------------------------

Sequence:  A126944
Score: 5.50133
Type of gen. func.: lgdogf


    10      9       8       7       6       5       4       3       2
- (x   + 4 x  + 18 x  + 32 x  + 49 x  + 54 x  + 58 x  + 42 x  + 31 x  + 10 x

            /    5      4      3      2
     + 5)  /  ((x  + 2 x  + 5 x  + 4 x  + 3 x + 1)
          /

      6      5      4      3    2
    (x  + 3 x  + 3 x  + 7 x  + x  + 2 x - 1))
```

Sequence: A126944
Score: 6.83358
Type of gen. func.: ogf

$$-\frac{x^5+2x^4+5x^3+4x^2+3x+1}{x^6+3x^5+3x^4+7x^3+x^2+2x-1}$$

Sequence: A126945
Score: 5.50133
Type of gen. func.: lgdogf

$$-(x^{10}+6x^9+23x^8+42x^7+59x^6+72x^5+66x^4+50x^3+31x^2+10x+5) \Big/ ((x^5+3x^4+5x^3+4x^2+3x+1)(x^6+4x^5+4x^4+7x^3+x^2+2x-1))$$

Sequence: A126945
Score: 6.83358
Type of gen. func.: ogf

$$-\frac{x^5+3x^4+5x^3+4x^2+3x+1}{x^6+4x^5+4x^4+7x^3+x^2+2x-1}$$

Sequence: A126946
Score: 7.39023
Type of gen. func.: lgdogf

$$-\frac{3x^8+4x^7-8x^6-14x^5-28x^4-20x^3-16x^2-4x-2}{(x^3-x^2-1)(x^6+4x^5+4x^4+7x^3+x^2+2x-1)}$$

Sequence: A126946
Score: 8.49898
Type of gen. func.: ogf

$$\frac{2x(x^3-x^2-1)}{x^6+4x^5+4x^4+7x^3+x^2+2x-1}$$

Sequence: A126947
Score: 8.20234
Type of gen. func.: lgdogf

$$-\frac{4x^7+12x^6+14x^5+27x^4+16x^3+19x^2+4x+2}{(x^2+1)(x^6+4x^5+4x^4+7x^3+x^2+2x-1)}$$

Sequence: A126947
Score: 9.33838
Type of gen. func.: ogf

$$-\frac{2x(x^2+1)}{x^6+4x^5+4x^4+7x^3+x^2+2x-1}$$

Sequence: A126948
Score: 6.84782
Type of gen. func.: lgdogf

$$-\frac{3x^8+20x^7+50x^6+68x^5+84x^4+56x^3+41x^2+10x+6}{(x^3+3x^2+2x+2)(x^6+4x^5+4x^4+7x^3+x^2+2x-1)}$$

Sequence: A126948
Score: 7.45621
Type of gen. func.: ogf

$$-\frac{2x^2(x^3+3x^2+2x+2)}{x^6+4x^5+4x^4+7x^3+x^2+2x-1}$$

Sequence: A126950
Score: 10.5990
Type of gen. func.: lgdogf

$$-\frac{x^5 - 5x^4 + 4x^3 - 48x^2 - 33x - 15}{(x-1)(x+1)(x^4 - 4x^3 + 4x^2 - 12x - 1)}$$

Sequence: A126950
Score: 8.16263
Type of gen. func.: ogf

$$-\frac{x^4 - 4x^3 + 4x^2 - 12x - 1}{(x+1)(x-1)^4}$$

Sequence: A126951
Score: 10.6311
Type of gen. func.: lgdogf

$$-\frac{3x^6 + 4x^5 + 25x^4 - 8x^3 + 19x^2 + 4x + 1}{(x-1)(x+1)(x^5 + x^4 + 4x^3 - 2x^2 + x + 1)}$$

Sequence: A126951
Score: 8.71468
Type of gen. func.: ogf

$$\frac{x^5 + x^4 + 4x^3 - 2x^2 + x + 1}{(x-1)^4 (x+1)^4}$$

Sequence: A126952
Score: 6.50699
Type of gen. func.: ogf

$$-5 f(x)^2 x^2 - 14 f(x)^2 x + 3 f(x)^2 + 10 f(x) x - 2 f(x) - 1$$

Sequence: A126958
Score: 15.1250
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^{3}-18\,x^{2}+11\,x-1)}{(x-1)\,(3\,x^{3}-15\,x^{2}+13\,x-3)}$$

Sequence: A126958
Score: 3.93428
Type of gen. func.: ogf

$$\{(277\,n^{2}+2153\,n+3966)\,a(n+1)+(-448\,n^{2}-2740\,n-3792)\,a(n+2)$$
$$+(171\,n^{2}+1011\,n+1494)\,a(n+3),\ a(0)=36,\ a(1)=24,\ a(2)=-60\}$$

Sequence: A126958
Score: 8.50313
Type of gen. func.: ogf

$$\frac{12\,(3\,x^{3}-15\,x^{2}+13\,x-3)}{(x-1)^{5}}$$

Sequence: A126962
Score: 8.57954
Type of gen. func.: egf]

$$-2\,f(x)^{2}\,x^{4}-3\,f(x)^{2}\,x^{2}+4\,f(x)\,x^{2}-f(x)^{2}+2\,f(x)-1$$

Sequence: A126964
Score: 13.8336
Type of gen. func.: ogf

$$-\frac{2\,x\,(7\,x+5)}{(x-1)^{3}}$$

Sequence: A126964
Score: 32.1959
Type of gen. func.: lgdogf

$$-\frac{2\,(11 + 7\,x)}{(7\,x + 5)\,(x - 1)}$$

Sequence: A126964
Score: 6.91678
Type of gen. func.: ogf

$$(53784\,f(x) - 424337)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 14\,x^2 - f(x) + 10\,x)$$

Sequence: A126964
Score: 7.22283
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 0,\ a(1) = 10,\ a(2) = 44\}$$

Sequence: A126965
Score: 13.4232
Type of gen. func.: revegf]

$$3/16 - \frac{3\,x}{8} - \frac{x^2}{16} - \frac{((x^2 + 6\,x + 1)\,(x + 3)^2)^{1/2}}{16}$$

Sequence: A126965
Score: 4.13446
Type of gen. func.: ogf

$$\{(12\,n^2 + 42\,n + 36)\,a(n + 1) + (-2\,n^2 - 19\,n - 29)\,a(n + 2) + (n + 3)\,a(n + 3)$$

$$,\ a(0) = -1,\ a(1) = 1,\ a(2) = 9\}$$

Sequence: A126965
Score: 7.44203
Type of gen. func.: egf]

2 3 2 2 2 2 2

$$8 f(x) x - 12 f(x) x + 6 f(x) x - f(x) + 16 x - 8 x + 1$$

Sequence: A126966
Score: 11.1405
Type of gen. func.: ogf

$$-4 f(x)^2 x^2 + 4 f(x)^2 x - f(x)^2 - 4 x + 1$$

Sequence: A126966
Score: 39.1930
Type of gen. func.: lgdogf

$$- \frac{4 x}{(-1 + 4 x) (2 x - 1)}$$

Sequence: A126966
Score: 4.94313
Type of gen. func.: ogf

$$\{(-3 - n) a(n + 3) + (6 n + 12) a(n + 2) + (-12 - 8 n) a(n + 1), a(0) = 1,$$
$$a(1) = 0, a(2) = -2\}$$

Sequence: A126967
Score: 4.62113
Type of gen. func.: ogf

$$\{(8 n^2 + 28 n + 24) a(n + 1) + (6 n + 12) a(n + 2) + a(n + 3), a(0) = 1,$$
$$a(1) = 0, a(2) = -4\}$$

Sequence: A126967
Score: 9.93199
Type of gen. func.: egf]

$$-4 f(x)^2 x^2 - 4 f(x)^2 x - f(x)^2 + 4 x + 1$$

Sequence: A126972

Score: 7.72639
Type of gen. func.: ogf

$$-\frac{x^6 - 4x^5 + 6x^4 - 3x^3 - 2x^2 + 2x - 1}{(x-1)^4}$$

Sequence: A126978
Score: 15.3178
Type of gen. func.: ogf

$$-\frac{9873x - 9977}{(x-1)^2}$$

Sequence: A126978
Score: 15.9765
Type of gen. func.: revogf

$$-\frac{-9977 - 2x + (99540529 + 416x)^{1/2}}{2(9873 + x)}$$

Sequence: A126978
Score: 21.3020
Type of gen. func.: lgdogf

$$-\frac{-10081 + 9873x}{(x-1)(9873x - 9977)}$$

Sequence: A126978
Score: 7.81207
Type of gen. func.: ogf

$$(208 f(x) + 99551345)(f(x) x^2 - 2 f(x) x + f(x) + 9873x - 9977)$$

Sequence: A126978
Score: 8.77761
Type of gen. func.: ogf

{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 9977, a(1) = 10081}

Sequence: A126979
Score: 16.6699
Type of gen. func.: ogf

$$-\frac{209 x - 233}{(x - 1)^2}$$

Sequence: A126979
Score: 19.0795
Type of gen. func.: revogf

$$-\frac{-233 - 2 x + (54289 + 96 x)^{1/2}}{2 (209 + x)}$$

Sequence: A126979
Score: 25.8496
Type of gen. func.: lgdogf

$$-\frac{-257 + 209 x}{(x - 1) (209 x - 233)}$$

Sequence: A126979
Score: 8.68961
Type of gen. func.: ogf

$$(48 f(x) + 54865) (f(x) x^2 - 2 f(x) x + f(x) + 209 x - 233)$$

Sequence: A126979
Score: 9.49794
Type of gen. func.: ogf

{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 233, a(1) = 257}

Sequence: A126980
Score: 16.9821
Type of gen. func.: ogf

$$-\frac{33 x - 47}{(x - 1)^{2}}$$

Sequence: A126980
Score: 20.0624
Type of gen. func.: revogf

$$-\frac{-47 - 2 x + (2209 + 56 x)^{1/2}}{2 (33 + x)}$$

Sequence: A126980
Score: 28.9790
Type of gen. func.: lgdogf

$$-\frac{-61 + 33 x}{(x - 1) (33 x - 47)}$$

Sequence: A126980
Score: 8.771
Type of gen. func.: ogf

$$(28 f(x) + 2405) (f(x) x^{2} - 2 f(x) x + f(x) + 33 x - 47)$$

Sequence: A126980
Score: 9.50192
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 47, a(1) = 61\}$$

Sequence: A126982
Score: 10.6629
Type of gen. func.: ogf

$$9 f(x)^{2} x + 4 f(x)^{2} - 5 f(x) + 1$$

Sequence: A126982
Score: 14.1908
Type of gen. func.: lgdogf

$$\frac{3\,(3 - 12\,x + 5\,(-4\,x + 1)^{1/2})}{2\,(9\,x + 4)\,(-1 + 4\,x)}$$

Sequence: A126982
Score: 16.3740
Type of gen. func.: revogf

$$-\frac{(-5 + 9\,x + 3\,((9\,x - 1)\,(x - 1))^{1/2})\,x}{2}$$

Sequence: A126982
Score: 3.83306
Type of gen. func.: ogf

$$\{(-36\,n - 54)\,a(n + 1) + (-7\,n + 3)\,a(n + 2) + (4\,n + 12)\,a(n + 3),\ a(0) = 1,\ a(1) = -3,\ a(2) = 6\}$$

Sequence: A126983
Score: 10.189
Type of gen. func.: ogf

$$f(x)^2\,x + 2\,f(x)^2 - 3\,f(x) + 1$$

Sequence: A126983
Score: 14.9717
Type of gen. func.: lgdogf

$$\frac{1 - 4\,x + 3\,(-4\,x + 1)^{1/2}}{2\,(x + 2)\,(-1 + 4\,x)}$$

Sequence: A126983
Score: 20.2843
Type of gen. func.: revogf

$$-\frac{(-3 + x + (x^2 - 6 x + 1)^{1/2}) x}{2}$$

Sequence: A126983
Score: 3.76103
Type of gen. func.: ogf

{(-4 n - 6) a(n + 1) + (-7 n - 9) a(n + 2) + (2 n + 6) a(n + 3), a(0) = 1,

a(1) = -1, a(2) = 0}

Sequence: A126984
Score: 12.2989
Type of gen. func.: ogf

$$-4 f(x)^2 x - 3 f(x)^2 + 4 f(x) - 1$$

Sequence: A126984
Score: 17.7717
Type of gen. func.: lgdogf

$$\frac{2 (1 - 4 x + 2 (-4 x + 1)^{1/2})}{(3 + 4 x) (-1 + 4 x)}$$

Sequence: A126984
Score: 24.0778
Type of gen. func.: revogf

$$-(-2 + 2 x + (4 x^2 - 8 x + 1)^{1/2}) x$$

Sequence: A126984
Score: 4.45024
Type of gen. func.: ogf

$\{(16 n + 24) a(n + 1) + (8 n + 6) a(n + 2) + (-3 n - 9) a(n + 3), a(0) = 1,$

$a(1) = -2, a(2) = 2\}$

Sequence: A126985
Score: 12.6895
Type of gen. func.: ogf

$$64 f(x)^2 x + 9 f(x)^2 - 10 f(x) + 1$$

Sequence: A126985
Score: 16.9305
Type of gen. func.: lgdogf

$$\frac{8 (4 - 16 x + 5 (-4 x + 1)^{1/2})}{(64 x + 9) (-1 + 4 x)}$$

Sequence: A126985
Score: 19.1010
Type of gen. func.: revogf

$$-(-5 + 32 x + 4 ((16 x - 1) (-1 + 4 x))^{1/2}) x$$

Sequence: A126985
Score: 4.54908
Type of gen. func.: ogf

$\{(-256 n - 384) a(n + 1) + (28 n + 138) a(n + 2) + (9 n + 27) a(n + 3),$

$a(0) = 1, a(1) = -8, a(2) = 56\}$

Sequence: A126986
Score: 13.3011
Type of gen. func.: ogf

$$16 f(x)^2 x + 5 f(x)^2 - 6 f(x) + 1$$

Sequence: A126986
Score: 18.0121
Type of gen. func.: lgdogf

$$\frac{4\,(2 - 8\,x + 3\,(1 - 4\,x)^{1/2})}{(16\,x + 5)\,(-1 + 4\,x)}$$

Sequence: A126986
Score: 22.1292
Type of gen. func.: revogf

$$-(-3 + 8\,x + 2\,(16\,x^{2} - 12\,x + 1)^{1/2})\,x$$

Sequence: A126986
Score: 4.80555
Type of gen. func.: ogf

$$\{(-64\,n - 96)\,a(n + 1) + (-4\,n + 18)\,a(n + 2) + (5\,n + 15)\,a(n + 3),\ a(0) = 1,\ a(1) = -4,\ a(2) = 12\}$$

Sequence: A126987
Score: 13.1054
Type of gen. func.: ogf

$$25\,f(x)^{2}\,x + 6\,f(x)^{2} - 7\,f(x) + 1$$

Sequence: A126987
Score: 16.5143
Type of gen. func.: lgdogf

$$\frac{5\,(5 - 20\,x + 7\,(1 - 4\,x)^{1/2})}{2\,(25\,x + 6)\,(-1 + 4\,x)}$$

Sequence: A126987
Score: 18.9914
Type of gen. func.: revogf

$${}^{2}\qquad\qquad\qquad{}^{1/2}$$

```
                       (-7 + 25 x + 5 (25 x  - 14 x + 1)   ) x
                     - ---------------------------------------
                                         2



--------------------------------------------------------------------------------

Sequence:  A126987
Score: 4.67455
Type of gen. func.: ogf


{(-100 n - 150) a(n + 1) + (n + 39) a(n + 2) + (6 n + 18) a(n + 3), a(0) = 1,

    a(1) = -5, a(2) = 20}



--------------------------------------------------------------------------------

Sequence:  A127002
Score: 8.08897
Type of gen. func.: ogf


                                 6     2
                                x  (3 x  + 2 x + 1)
                     - ---------------------------------------
                          2        2                  2        3
                       (x  + 1) (x  + x + 1) (x + 1)  (x - 1)



--------------------------------------------------------------------------------

Sequence:  A127002
Score: 9.02766
Type of gen. func.: lgdogf


                    7       6       5       4       3       2
                21 x  + 37 x  + 52 x  + 44 x  + 33 x  + 17 x  + 10 x + 2
             - ---------------------------------------------------------
                                  2        2             2
                 (x - 1) (x + 1) (x  + 1) (x  + x + 1) (3 x  + 2 x + 1)



--------------------------------------------------------------------------------

Sequence:  A127016
Score: 12.0882
Type of gen. func.: ogf


                                 2            2
                         49 f(x)  x + 8 f(x)  - 9 f(x) + 1



--------------------------------------------------------------------------------

Sequence:  A127016
Score: 15.1864
Type of gen. func.: lgdogf


                                                       1/2
                           7 (7 - 28 x + 9 (1 - 4 x)    )
                           -----------------------------
```

$$2 (49 x + 8) (-1 + 4 x)$$

Sequence: A127016
Score: 17.4644
Type of gen. func.: revogf

$$-\frac{(-9 + 49 x + 7 (49 x^2 - 18 x + 1)^{1/2}) x}{2}$$

Sequence: A127016
Score: 4.28442
Type of gen. func.: ogf

$$\{(-196 n - 294) a(n + 1) + (17 n + 99) a(n + 2) + (8 n + 24) a(n + 3), a(0) = 1, a(1) = -7, a(2) = 42\}$$

Sequence: A127017
Score: 13.45
Type of gen. func.: ogf

$$36 f(x)^2 x + 7 f(x)^2 - 8 f(x) + 1$$

Sequence: A127017
Score: 17.6960
Type of gen. func.: lgdogf

$$\frac{6 (3 - 12 x + 4 (1 - 4 x)^{1/2})}{(36 x + 7) (-1 + 4 x)}$$

Sequence: A127017
Score: 21.6284
Type of gen. func.: revogf

$$-(-4 + 18 x + 3 (36 x^2 - 16 x + 1)^{1/2}) x$$

Sequence: A127017
Score: 4.79744
Type of gen. func.: ogf

$$\{(-144 n - 216) a(n + 1) + (8 n + 66) a(n + 2) + (7 n + 21) a(n + 3), a(0) = 1, a(1) = -6, a(2) = 30\}$$

Sequence: A127053
Score: 11.8631
Type of gen. func.: ogf

$$81 f(x)^2 x + 10 f(x)^2 - 11 f(x) + 1$$

Sequence: A127053
Score: 17.2275
Type of gen. func.: revogf

$$- \frac{(-11 + 81 x + 9 (81 x^2 - 22 x + 1)^{1/2}) x}{2}$$

Sequence: A127053
Score: 4.30039
Type of gen. func.: ogf

$$\{(-324 n - 486) a(n + 1) + (41 n + 183) a(n + 2) + (10 n + 30) a(n + 3), a(0) = 1, a(1) = -9, a(2) = 72\}$$

Sequence: A127067
Score: 35.7677
Type of gen. func.: revegf]

$$\frac{x}{(-x^2 + 2 x + 1)^{1/2}}$$

Sequence: A127069
Score: 4.82203
Type of gen. func.: ogf

$-(889 f(x) + 10992)$

$$(8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x + 48 x^2 - f(x) - 60 x + 15)$$

Sequence: A127146
Score: 13.3382
Type of gen. func.: ogf

$$-\frac{23 x^2 - 33 x + 12}{(x - 1)^3}$$

Sequence: A127146
Score: 22.1951
Type of gen. func.: lgdogf

$$-\frac{23 x^2 - 20 x + 3}{(x - 1) (23 x^2 - 33 x + 12)}$$

Sequence: A127146
Score: 6.94018
Type of gen. func.: ogf

$$-(540 f(x) + 2851) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 23 x^2 - f(x) - 33 x + 12)$$

Sequence: A127146
Score: 7.55435
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 12, a(1) = 3, a(2) = -4\}$$

Sequence: A127147
Score: 13.6243
Type of gen. func.: ogf

$$-\frac{60 x^2 - 101 x + 43}{{}^{3}}$$

$$(x - 1)$$

Sequence: A127147
Score: 21.0629
Type of gen. func.: lgdogf

$$-\frac{2 (3 x - 2) (10 x - 7)}{(x - 1) (60 x^2 - 101 x + 43)}$$

Sequence: A127147
Score: 7.02839
Type of gen. func.: ogf

$$-(1580 f(x) - 66471)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 60 x^2 - f(x) - 101 x + 43)$$

Sequence: A127147
Score: 7.70067
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 43, a(1) = 28, a(2) = 15\}$$

Sequence: A127148
Score: 15.4513
Type of gen. func.: lgdogf

$$-\frac{(7 x - 5) (13 x^2 - 10 x + 1)}{(x - 1) (91 x^3 - 204 x^2 + 155 x - 40)}$$

Sequence: A127148
Score: 4.17495
Type of gen. func.: ogf

$$\{(505 n^2 + 1251 n + 482) a(n + 1) + (-856 n^2 - 1968 n - 440) a(n + 2)$$

$$+ (351 n^2 + 1179 n + 378) a(n + 3), a(0) = -120, a(1) = -15, a(2) = 48\}$$

Sequence: A127148
Score: 5.29182
Type of gen. func.: ogf

$$-(1964 f(x) + 384585) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 273 x^3 - 4 f(x) x + 612 x^2 + f(x) - 465 x + 120)$$

Sequence: A127148
Score: 9.77429
Type of gen. func.: ogf

$$\frac{3 (91 x^3 - 204 x^2 + 155 x - 40)}{(x - 1)^4}$$

Sequence: A127154
Score: 4.25798
Type of gen. func.: ogf

$$f(x)^2 x^4 + 2 f(x)^2 x^3 + 3 f(x)^2 x^2 - 2 f(x) x^3 + f(x)^2 x - 3 f(x) x^2 - 2 f(x) x + x^2 - f(x) + 2 x + 1$$

Sequence: A127161
Score: 8.48397
Type of gen. func.: lgdogf

$$\frac{23 x^{25} - 47 x^{24} + 45 x^{23} - 43 x^{22} + 22 x^{21} + 3 x^5 - 7 x^4 + 4 x^3 - x + 3}{(x - 1) (x^{25} - x^{24} + x^{23} - x^{22} + x^5 - x^4 + x - 2)}$$

Sequence: A127161
Score: 9.18454
Type of gen. func.: ogf

$$x^{25} - x^{24} + x^{23} - x^{22} + x^5 - x^4 + x - 2$$

```
                   - ---------------------------------------
                                                  2
                                           (x - 1)



------------------------------------------------------------------------------

Sequence:  A127189
Score: 13.5805
Type of gen. func.: egf]


                                    2          2
                          -2 f(x)  x - f(x)  + 4 x + 1



------------------------------------------------------------------------------

Sequence:  A127189
Score: 40.0097
Type of gen. func.: lgdegf]


                                         1
                              -------------------
                              (2 x + 1) (1 + 4 x)



------------------------------------------------------------------------------

Sequence:  A127189
Score: 5.63935
Type of gen. func.: ogf


         2
    {(8 n  + 8 n) a(n) + (6 n + 5) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 1}



------------------------------------------------------------------------------

Sequence:  A127190
Score: 14.4217
Type of gen. func.: egf]


                                   2          2
                          4 f(x)  x + f(x)  - 2 x - 1



------------------------------------------------------------------------------

Sequence:  A127190
Score: 40.0771
Type of gen. func.: lgdegf]


                                          1
                             - -------------------
                               (2 x + 1) (1 + 4 x)



------------------------------------------------------------------------------

Sequence:  A127190
```

Score: 5.98869
Type of gen. func.: ogf

$$\{(8 n^2 + 8 n) a(n) + (6 n + 7) a(n + 1) + a(n + 2), a(0) = 1, a(1) = -1\}$$

Sequence: A127193
Score: 4.79096
Type of gen. func.: ogf

$$\frac{7 x^8 + 6 x^7 + 5 x^6 + 4 x^5 + 3 x^4 + 2 x^3 + x^2 - 1}{x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A127194
Score: 4.40791
Type of gen. func.: ogf

$$\frac{8 x^9 + 7 x^8 + 6 x^7 + 5 x^6 + 4 x^5 + 3 x^4 + 2 x^3 + x^2 - 1}{x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A127195
Score: 5.76653
Type of gen. func.: lgdogf

$$- 2 (16 x^{10} + 16 x^9 + 40 x^8 + 32 x^7 + 36 x^6 + 28 x^5 + 18 x^4 + 12 x^3 + 8 x^2 + 4 x + 1) / ((2 x + 1) (2 x^4 + 2 x^2 + 1) (8 x^6 + 4 x^4 + 2 x^2 - 1))$$

Sequence: A127195
Score: 7.86606
Type of gen. func.: ogf

$$- \frac{2 (2 x + 1) (2 x^4 + 2 x^2 + 1)}{8 x^6 + 4 x^4 + 2 x^2 - 1}$$

Sequence: A127210
Score: 13.6385
Type of gen. func.: lgdogf

$$-\frac{9\,(6\,x^2 + 2\,x + 1)}{(6\,x + 1)\,(9\,x^2 + 3\,x - 1)}$$

Sequence: A127210
Score: 14.0071
Type of gen. func.: revogf

$$\frac{-1 - x + (5\,x^2 + 10\,x + 1)^{1/2}}{6\,(2 + x)}$$

Sequence: A127210
Score: 16.9266
Type of gen. func.: ogf

$$-\frac{3\,(6\,x + 1)}{9\,x^2 + 3\,x - 1}$$

Sequence: A127210
Score: 8.37229
Type of gen. func.: ogf

$$-(25\,f(x) + 168)\,(9\,f(x)\,x^2 + 3\,f(x)\,x - f(x) + 18\,x + 3)$$

Sequence: A127210
Score: 9.38099
Type of gen. func.: ogf

$$\{a(n + 2) - 3\,a(n + 1) - 9\,a(n),\ a(0) = 3,\ a(1) = 27\}$$

Sequence: A127211
Score: 12.9390
Type of gen. func.: ogf

$$-\frac{4 (8 x + 1)}{16 x^2 + 4 x - 1}$$

Sequence: A127211
Score: 14.9038
Type of gen. func.: lgdogf

$$-\frac{4 (32 x^2 + 8 x + 3)}{(8 x + 1) (16 x^2 + 4 x - 1)}$$

Sequence: A127211
Score: 16.1122
Type of gen. func.: revogf

$$\frac{-1 - x + (5 x^2 + 10 x + 1)^{1/2}}{8 (2 + x)}$$

Sequence: A127211
Score: 6.46951
Type of gen. func.: ogf

$$-(25 f(x) + 224) (16 f(x) x^2 + 4 f(x) x - f(x) + 32 x + 4)$$

Sequence: A127211
Score: 7.23968
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) - 16 a(n), a(0) = 4, a(1) = 48\}$$

Sequence: A127212
Score: 12.7175
Type of gen. func.: ogf

$$-\frac{5 (10 x + 1)}{25 x^2 + 5 x - 1}$$

Sequence: A127212
Score: 13.9510
Type of gen. func.: lgdogf

$$-\frac{5\,(50\,x^2 + 10\,x + 3)}{(10\,x + 1)\,(25\,x^2 + 5\,x - 1)}$$

Sequence: A127212
Score: 15.4196
Type of gen. func.: revogf

$$\frac{-1 - x + (5\,x^2 + 10\,x + 1)^{1/2}}{10\,(2 + x)}$$

Sequence: A127212
Score: 6.49697
Type of gen. func.: ogf

$$-(5\,f(x) + 56)\,(25\,f(x)\,x^2 + 5\,f(x)\,x - f(x) + 50\,x + 5)$$

Sequence: A127212
Score: 7.11573
Type of gen. func.: ogf

$$\{a(n + 2) - 5\,a(n + 1) - 25\,a(n),\ a(0) = 5,\ a(1) = 75\}$$

Sequence: A127213
Score: 11.8690
Type of gen. func.: ogf

$$-\frac{6\,(12\,x + 1)}{36\,x^2 + 6\,x - 1}$$

Sequence: A127213
Score: 13.0067
Type of gen. func.: lgdogf

$$-\frac{18\,(24\,x^2+4\,x+1)}{(12\,x+1)\,(36\,x^2+6\,x-1)}$$

Sequence: A127213
Score: 14.3758
Type of gen. func.: revogf

$$\frac{-1-x+(5\,x^2+10\,x+1)^{1/2}}{12\,(2+x)}$$

Sequence: A127213
Score: 5.93449
Type of gen. func.: ogf

$$-(25\,f(x)+336)\,(36\,f(x)\,x^2+6\,f(x)\,x-f(x)+72\,x+6)$$

Sequence: A127213
Score: 6.56284
Type of gen. func.: ogf

$$\{a(n+2)-6\,a(n+1)-36\,a(n),\ a(0)=6,\ a(1)=108\}$$

Sequence: A127214
Score: 10.7784
Type of gen. func.: lgdogf

$$-\frac{2\,(48\,x^4+32\,x^3+8\,x^2+16\,x+3)}{(12\,x^2+4\,x+1)\,(8\,x^3+4\,x^2+2\,x-1)}$$

Sequence: A127214
Score: 11.6814
Type of gen. func.: ogf

$$-\frac{2\,(12\,x^{2}+4\,x+1)}{8\,x^{3}+4\,x^{2}+2\,x-1}$$

Sequence: A127214
Score: 6.24351
Type of gen. func.: ogf

$$(143\,f(x)+322)\,(8\,f(x)\,x^{3}+4\,f(x)\,x^{2}+2\,f(x)\,x+24\,x^{2}-f(x)+8\,x+2)$$

Sequence: A127214
Score: 6.35305
Type of gen. func.: ogf

{-a(n + 3) + 2 a(n + 2) + 4 a(n + 1) + 8 a(n), a(0) = 2, a(1) = 12, a(2) = 56}

Sequence: A127215
Score: 10.7703
Type of gen. func.: ogf

$$-\frac{3\,(27\,x^{2}+6\,x+1)}{27\,x^{3}+9\,x^{2}+3\,x-1}$$

Sequence: A127215
Score: 5.84155
Type of gen. func.: ogf

$$(143\,f(x)+483)\,(27\,f(x)\,x^{3}+9\,f(x)\,x^{2}+3\,f(x)\,x+81\,x^{2}-f(x)+18\,x+3)$$

Sequence: A127215
Score: 5.94226
Type of gen. func.: ogf

{-a(n + 3) + 3 a(n + 2) + 9 a(n + 1) + 27 a(n), a(0) = 3, a(1) = 27, a(2) = 189

}

Sequence: A127216
Score: 4.85987
Type of gen. func.: ogf

$$-(54611 f(x) + 159212) (16 f(x) x^4 + 8 f(x) x^3 + 4 f(x) x^2 + 64 x^3 + 2 f(x) x + 24 x^2 - f(x) + 8 x + 2)$$

Sequence: A127216
Score: 8.11873
Type of gen. func.: lgdogf

$$-\frac{2 (256 x^6 + 192 x^5 + 80 x^4 + 56 x^2 + 16 x + 3)}{(32 x^3 + 12 x^2 + 4 x + 1) (16 x^4 + 8 x^3 + 4 x^2 + 2 x - 1)}$$

Sequence: A127216
Score: 9.29451
Type of gen. func.: ogf

$$-\frac{2 (32 x^3 + 12 x^2 + 4 x + 1)}{16 x^4 + 8 x^3 + 4 x^2 + 2 x - 1}$$

Sequence: A127218
Score: 7.11694
Type of gen. func.: lgdogf

$$\frac{5 x^{12} + 4 x^{10} - 13 x^8 + 10 x^6 - 2 x^5 + x^4 + 8 x^3 + 2 x^2 + 2 x + 2}{(x + 1) (x^4 + x^2 - 1) (x^8 - x^7 + x^4 - x^3 + x^2 - 2)}$$

Sequence: A127218
Score: 8.88862
Type of gen. func.: ogf

$$\frac{(x + 1) (x^8 - x^7 + x^4 - x^3 + x^2 - 2)}{}$$

$$x^4 + x^2 - 1$$

Sequence: A127220
Score: 4.53749
Type of gen. func.: ogf

$$-(54611 f(x) + 238818) (81 f(x) x^4 + 27 f(x) x^3 + 9 f(x) x^2 + 324 x^3 + 3 f(x) x + 81 x^2 - f(x) + 18 x + 3)$$

Sequence: A127220
Score: 7.55961
Type of gen. func.: lgdogf

$$- \frac{9 (972 x^6 + 486 x^5 + 135 x^4 + 42 x^2 + 8 x + 1)}{(108 x^3 + 27 x^2 + 6 x + 1) (81 x^4 + 27 x^3 + 9 x^2 + 3 x - 1)}$$

Sequence: A127220
Score: 8.52829
Type of gen. func.: ogf

$$- \frac{3 (108 x^3 + 27 x^2 + 6 x + 1)}{81 x^4 + 27 x^3 + 9 x^2 + 3 x - 1}$$

Sequence: A127221
Score: 5.67018
Type of gen. func.: lgdogf

$$- 2 (1280 x^8 + 1024 x^7 + 512 x^6 + 128 x^5 - 80 x^4 + 160 x^3 + 56 x^2 + 16 x + 3) / ((80 x^4 + 32 x^3 + 12 x^2 + 4 x + 1) (32 x^5 + 16 x^4 + 8 x^3 + 4 x^2 + 2 x - 1))$$

Sequence: A127221
Score: 7.57575
Type of gen. func.: ogf

$$-\frac{2 (80 x^4 + 32 x^3 + 12 x^2 + 4 x + 1)}{32 x^5 + 16 x^4 + 8 x^3 + 4 x^2 + 2 x - 1}$$

Sequence: A127222
Score: 6.86567
Type of gen. func.: ogf

$$-\frac{3 (405 x^4 + 108 x^3 + 27 x^2 + 6 x + 1)}{243 x^5 + 81 x^4 + 27 x^3 + 9 x^2 + 3 x - 1}$$

Sequence: A127226
Score: 12.5420
Type of gen. func.: ogf

$$\frac{2 (x - 1)}{6 x^2 + 2 x - 1}$$

Sequence: A127226
Score: 15.7670
Type of gen. func.: revogf

$$\frac{-1 - x + (7 x^2 + 1)^{1/2}}{2 (-1 + 3 x)}$$

Sequence: A127226
Score: 6.48723
Type of gen. func.: ogf

$$(35 f(x) - 69) (6 f(x) x^2 + 2 f(x) x - f(x) - 2 x + 2)$$

Sequence: A127226

Score: 6.88278
Type of gen. func.: ogf

$$\{-a(n+2) + 2\, a(n+1) + 6\, a(n),\ a(0) = 2,\ a(1) = 2\}$$

Sequence: A127227
Score: 4.18454
Type of gen. func.: ogf

$$\{(n+8)\, a(n+1) + (-2n-11)\, a(n+2) + (n+3)\, a(n+3),\ a(0) = 719,\ a(1) = 5039,\ a(2) = 20159\}$$

Sequence: A127227
Score: 4.99647
Type of gen. func.: ogf

$$\frac{x^6 - 6x^5 + 15x^4 - 20x^3 + 15x^2 - 6x - 719}{(x-1)^7}$$

Sequence: A127227
Score: 7.29613
Type of gen. func.: lgdogf

$$-\frac{x^6 - 6x^5 + 15x^4 - 20x^3 + 15x^2 - 6x - 5039}{(x-1)\,(x^6 - 6x^5 + 15x^4 - 20x^3 + 15x^2 - 6x - 719)}$$

Sequence: A127228
Score: 3.42049
Type of gen. func.: ogf

$$\{(n+10)\, a(n+1) + (-2n-13)\, a(n+2) + (n+3)\, a(n+3),\ a(0) = 40319,\ a(1) = 362879,\ a(2) = 1814399\}$$

Sequence: A127228
Score: 5.82879
Type of gen. func.: ogf

$$\frac{x^8 - 8 x^7 + 28 x^6 - 56 x^5 + 70 x^4 - 56 x^3 + 28 x^2 - 8 x - 40319}{(x - 1)^9}$$

Sequence: A127229
Score: 4.13583
Type of gen. func.: ogf

{(n + 12) a(n + 1) + (-2 n - 15) a(n + 2) + (n + 3) a(n + 3), a(0) = 3628799,

a(1) = 39916799, a(2) = 239500799}

Sequence: A127261
Score: 11.1191
Type of gen. func.: ogf

$$\frac{2 (x - 1)}{10 x^2 + 2 x - 1}$$

Sequence: A127261
Score: 13.1395
Type of gen. func.: lgdogf

$$-\frac{10 x^2 - 20 x - 1}{(x - 1) (10 x^2 + 2 x - 1)}$$

Sequence: A127261
Score: 5.74696
Type of gen. func.: ogf

$$(77 f(x) - 153) (10 f(x) x^2 + 2 f(x) x - f(x) - 2 x + 2)$$

Sequence: A127261
Score: 6.16240
Type of gen. func.: ogf

{-a(n + 2) + 2 a(n + 1) + 10 a(n), a(0) = 2, a(1) = 2}

Sequence: A127262
Score: 12.5657
Type of gen. func.: ogf

$$\frac{2 (x - 1)}{12 x^2 + 2 x - 1}$$

Sequence: A127262
Score: 14.8858
Type of gen. func.: lgdogf

$$- \frac{12 x^2 - 24 x - 1}{(x - 1) (12 x^2 + 2 x - 1)}$$

Sequence: A127262
Score: 6.4225
Type of gen. func.: ogf

$$(104 f(x) - 207) (12 f(x) x^2 + 2 f(x) x - f(x) - 2 x + 2)$$

Sequence: A127262
Score: 6.96414
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 12 a(n), a(0) = 2, a(1) = 2\}$$

Sequence: A127264
Score: 8.74519
Type of gen. func.: ogf

$$- \frac{x^{26} - x^{25} - x^6 - 5 x^4 - 4 x^3 - 5 x^2 - 4 x - 4}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A127275
Score: 13.0324
Type of gen. func.: lgdogf

$$-\frac{9x-2+(-(-1+4x)(2x-1)^{2})^{1/2}}{(x^{2}+4x-1)(-1+4x)}$$

Sequence: A127275
Score: 6.13802
Type of gen. func.: ogf

$$-16 f(x)^{2} x^{2} + 8 f(x)^{2} x + 8 f(x) x^{2} - f(x)^{2} - 2 f(x) x - x^{2} - 4x + 1$$

Sequence: A127276
Score: 16.8907
Type of gen. func.: lgdogf

$$-\frac{8x^{2}-12x+1}{(x-1)(2x-1)(-1+4x)}$$

Sequence: A127276
Score: 5.10340
Type of gen. func.: ogf

$$\{-a(n+3)+6a(n+2)-12a(n+1)+8a(n), a(0)=1, a(1)=1, a(2)=-2\}$$

Sequence: A127276
Score: 5.14896
Type of gen. func.: ogf

$$(2 f(x)+3)(8 f(x) x^{3} - 12 f(x) x^{2} + 6 f(x) x + 4x^{2} - f(x) - 5x + 1)$$

Sequence: A127276
Score: 9.30135
Type of gen. func.: ogf

$$-\frac{(-1+4x)(x-1)}{}$$

$$(2 x - 1)^3$$

Sequence: A127307
Score: 8.08610
Type of gen. func.: ogf

$$- \frac{56 x^{23} - 56 x^{22} + 18 x^9 - 18 x^8 + 6 x^4 - 6 x^3 + 2 x^2 - 3}{(x - 1)^2}$$

Sequence: A127316
Score: 12.9238
Type of gen. func.: ogf

$$- \frac{73 x^2 - 140 x + 71}{(x - 1)^3}$$

Sequence: A127316
Score: 19.6325
Type of gen. func.: lgdogf

$$- \frac{73 x^2 - 134 x + 73}{(x - 1) (73 x^2 - 140 x + 71)}$$

Sequence: A127316
Score: 7.05925
Type of gen. func.: ogf

$$(17 f(x) + 1673) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 73 x^2 - f(x) - 140 x + 71)$$

Sequence: A127316
Score: 7.30478
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 71, a(1) = 73, a(2) = 79\}$$

Sequence: A127328
Score: 8.44693
Type of gen. func.: ogf

$$-9 f(x)^2 x^2 - 3 f(x)^2 x + 2 f(x)^2 + 3 f(x) x - f(x) - 1$$

Sequence: A127357
Score: 16.6505
Type of gen. func.: ogf

$$\frac{1}{9 x^2 - 2 x + 1}$$

Sequence: A127357
Score: 20.4434
Type of gen. func.: lgdogf

$$-\frac{2 (-1 + 9 x)}{9 x^2 - 2 x + 1}$$

Sequence: A127357
Score: 5.81766
Type of gen. func.: ogf

$$(11 f(x) - 27) (9 f(x) x^2 - 2 f(x) x + f(x) - 1)$$

Sequence: A127357
Score: 5.88860
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + 9 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A127358
Score: 10.6625
Type of gen. func.: revogf

$$-\frac{(-3 - 9 x + (x^2 + 6 x + 1)^{1/2}) x}{2 (10 x^2 + 6 x + 1)}$$

Sequence: A127358
Score: 5.70301
Type of gen. func.: ogf

$$-10 f(x)^2 x^2 + 9 f(x)^2 x - 2 f(x)^2 - 6 f(x) x + 3 f(x) - 1$$

Sequence: A127358
Score: 7.31146
Type of gen. func.: lgdogf

$$\frac{-40 x^2 - 2 x + 9 + 3 (-(2 x - 1) (2 x + 1))^{1/2}}{2 (2 x + 1) (5 x - 2) (2 x - 1)}$$

Sequence: A127359
Score: 3.73205
Type of gen. func.: ogf

$$\{(40 n + 80) a(n + 1) + (-12 n - 4) a(n + 2) + (-10 n - 46) a(n + 3)$$
$$+ (3 n + 12) a(n + 4), a(0) = 1, a(1) = 4, a(2) = 14, a(3) = 48\}$$

Sequence: A127359
Score: 6.03755
Type of gen. func.: lgdogf

$$\frac{4 (-10 x^2 - x + 2 + (-(2 x - 1) (2 x + 1))^{1/2})}{(2 x + 1) (10 x - 3) (2 x - 1)}$$

Sequence: A127359
Score: 8.18643
Type of gen. func.: ogf

$$-20 f(x)^2 x^2 + 16 f(x)^2 x - 3 f(x)^2 - 8 f(x) x + 4 f(x) - 1$$

Sequence: A127359
Score: 8.53132
Type of gen. func.: revogf

$$-\frac{(-2 - 8x + (4x^2 + 8x + 1)^{1/2})\,x}{20x^2 + 8x + 1}$$

Sequence: A127360
Score: 5.37851
Type of gen. func.: lgdogf

$$\frac{-136x^2 - 18x + 25 + 15(-(2x - 1)(2x + 1))^{1/2}}{2(2x + 1)(17x - 4)(2x - 1)}$$

Sequence: A127360
Score: 7.20336
Type of gen. func.: revogf

$$-\frac{(-25x - 5 + 3((x + 1)(9x + 1))^{1/2})\,x}{2(34x^2 + 10x + 1)}$$

Sequence: A127360
Score: 7.94446
Type of gen. func.: ogf

$$34 f(x)^2 x^2 - 25 f(x)^2 x + 4 f(x)^2 + 10 f(x) x - 5 f(x) + 1$$

Sequence: A127361
Score: 10.0070
Type of gen. func.: lgdogf

$$\frac{-40x^2 - 18x + 1 + 3(-(2x - 1)(2x + 1))^{1/2}}{2(2x + 1)(5x + 2)(2x - 1)}$$

Sequence: A127361
Score: 14.5000
Type of gen. func.: revogf

$$\frac{(-1 + x + 3 (9 x^2 - 2 x + 1)^{1/2}) x}{2 (10 x^2 - 2 x + 1)}$$

Sequence: A127361
Score: 3.38414
Type of gen. func.: ogf

$$\{(20 n + 40) a(n + 1) + (8 n + 26) a(n + 2) + (-5 n - 16) a(n + 3) + (-2 n - 8) a(n + 4), a(0) = 1, a(1) = -1, a(2) = 4, a(3) = -7\}$$

Sequence: A127361
Score: 7.35681
Type of gen. func.: ogf

$$10 f(x)^2 x^2 - f(x)^2 x - 2 f(x)^2 - 2 f(x) x + f(x) + 1$$

Sequence: A127362
Score: 10.2465
Type of gen. func.: lgdogf

$$\frac{2 (-20 x^2 - 8 x + 1 + 2 (-(2 x - 1) (2 x + 1))^{1/2})}{(2 x + 1) (10 x + 3) (2 x - 1)}$$

Sequence: A127362
Score: 14.7293
Type of gen. func.: revogf

$$\frac{(-1 + 2 x + 2 (16 x^2 - 4 x + 1)^{1/2}) x}{20 x^2 - 4 x + 1}$$

Sequence: A127362
Score: 3.32199
Type of gen. func.: ogf

$$\{(-40 n - 80) a(n + 1) + (-12 n - 44) a(n + 2) + (10 n + 34) a(n + 3) + (3 n + 12) a(n + 4), a(0) = 1, a(1) = -2, a(2) = 8, a(3) = -24\}$$

Sequence: A127362
Score: 7.36613
Type of gen. func.: ogf

$$20 f(x)^2 x^2 - 4 f(x)^2 x - 3 f(x)^2 - 4 f(x) x + 2 f(x) + 1$$

Sequence: A127363
Score: 10.2221
Type of gen. func.: lgdogf

$$\frac{-136 x^2 - 50 x + 9 + 15 (-(2 x - 1) (2 x + 1))^{1/2}}{2 (2 x + 1) (17 x + 4) (2 x - 1)}$$

Sequence: A127363
Score: 14.5469
Type of gen. func.: revogf

$$\frac{(-3 + 9 x + 5 (25 x^2 - 6 x + 1)^{1/2}) x}{2 (34 x^2 - 6 x + 1)}$$

Sequence: A127363
Score: 3.54702
Type of gen. func.: ogf

$$\{(-68 n - 136) a(n + 1) + (-16 n - 66) a(n + 2) + (17 n + 60) a(n + 3) + (4 n + 16) a(n + 4), a(0) = 1, a(1) = -3, a(2) = 14, a(3) = -57\}$$

Sequence: A127363
Score: 7.94223

Type of gen. func.: ogf

$$-34 f(x)^2 x^2 + 9 f(x)^2 x + 4 f(x)^2 + 6 f(x) x - 3 f(x) - 1$$

Sequence: A127365
Score: 10.0074
Type of gen. func.: ogf

$$-\frac{(x + 1) x^2}{(x^2 + 1)^2}$$

Sequence: A127365
Score: 10.1336
Type of gen. func.: ogf

$$-f(x) x^4 - 2 f(x) x^2 - x^3 - x^2 - f(x)$$

Sequence: A127365
Score: 19.5776
Type of gen. func.: ogf_with_Euler_transform]

$$[2 x^3 - 3 x + 1]$$

Sequence: A127365
Score: 22.9710
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 4 x - 1}{(x + 1) (x^2 + 1)}$$

Sequence: A127369
Score: 13.6005
Type of gen. func.: lgdogf

$$4 (32 x^2 + 20 x + 5)$$

$$-\frac{}{(-1 + 4 x) (16 x^2 + 4 x + 1)}$$

Sequence: A127369
Score: 3.27528
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + 20 a(n + 3) + 80 a(n + 2) + (192 + 64 n) a(n + 1),$$

$$a(0) = 8, a(1) = 160, a(2) = 1920, a(3) = 17408\}$$

Sequence: A127369
Score: 4.13474
Type of gen. func.: ogf

$$(11 f(x) + 108) (256 f(x) x^4 - 256 f(x) x^3 + 96 f(x) x^2 - 16 f(x) x - 128 x^2$$

$$+ f(x) - 32 x - 8)$$

Sequence: A127369
Score: 7.47435
Type of gen. func.: ogf

$$\frac{8 (16 x^2 + 4 x + 1)}{(-1 + 4 x)^4}$$

Sequence: A127389
Score: 12.5277
Type of gen. func.: revogf

$$-\frac{-1 + x - x^2 + (x^4 + 6 x^3 - 9 x^2 + 2 x + 1)^{1/2}}{2 (2 x - 1)}$$

Sequence: A127389
Score: 6.93735
Type of gen. func.: ogf

$$f(x)^2 x^2 + f(x)^2 x - 2 f(x) x^2 - f(x) x - f(x) + x + 1$$

Sequence: A127391
Score: 10.2823
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^{7} - 2 x^{3}}{-x^{12} - x^{8} - x^{4} - 1}$$

Sequence: A127392
Score: 15.0308
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x - 2}{-x^{3} - x^{2} - x - 1}$$

Sequence: A127393
Score: 14.6431
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{4 x - 4}{-x^{3} - x^{2} - x - 1}$$

Sequence: A127394
Score: 3.24489
Type of gen. func.: ogf

$$\{(2 n^{2} + 10 n + 12) a(n + 1) + (4 n^{2} + 36 n + 72) a(n + 2) + (30 + 7 n) a(n + 3) + (-2 n - 8) a(n + 4), a(0) = 4, a(1) = 18, a(2) = 88, a(3) = 460\}$$

Sequence: A127394
Score: 37.0925
Type of gen. func.: lgdegf]

$$2 x^{2} + 8 x + 9$$

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                                  --------------
                                      2 + x
```

Sequence: A127407
Score: 24.0728
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 2 x - 15}{(x - 1) (x^2 - 3)}$$

Sequence: A127407
Score: 3.79705
Type of gen. func.: ogf

{(-3 n - 12) a(n + 4) + (24 + 3 n) a(n + 3) + n a(n + 2) + (-n - 4) a(n + 1),

a(0) = 3, a(1) = 15, a(2) = 44, a(3) = 100}

Sequence: A127407
Score: 9.82171
Type of gen. func.: ogf

$$\frac{x^2 - 3}{(x - 1)^5}$$

Sequence: A127408
Score: 13.8733
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^3 + 14 x^2 - 49 x - 72)}{(x - 1) (x - 3) (x^2 + 8 x + 6)}$$

Sequence: A127408
Score: 3.66390
Type of gen. func.: ogf

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     2                                 2
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$\{(8 n + 78 n + 190) a(n + 1) + (-45 n - 544 n - 1764) a(n + 2)$

$+ (37 n^2 + 292 n + 543) a(n + 3), a(0) = 18, a(1) = 144, a(2) = 625\}$

Sequence: A127408
Score: 6.60872
Type of gen. func.: ogf

$$\frac{(x - 3) (x^2 + 8 x + 6)}{(x - 1)^7}$$

Sequence: A127409
Score: 4.46638
Type of gen. func.: ogf

$$\frac{x^4 + 19 x^3 - 54 x^2 - 310 x - 160}{(x - 1)^9}$$

Sequence: A127409
Score: 8.33267
Type of gen. func.: lgdogf

$$- \frac{5 x^4 + 118 x^3 - 321 x^2 - 2588 x - 1750}{(x - 1) (x^4 + 19 x^3 - 54 x^2 - 310 x - 160)}$$

Sequence: A127410
Score: 4.19240
Type of gen. func.: ogf

$$\frac{x^5 + 53 x^4 - 82 x^3 - 2882 x^2 - 5295 x - 1875}{(x - 1)^{11}}$$

Sequence: A127410
Score: 7.48678

Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^5+188\,x^4-222\,x^3-13092\,x^2-29357\,x-12960)}{(x-1)\,(x^5+53\,x^4-82\,x^3-2882\,x^2-5295\,x-1875)}$$

Sequence: A127411
Score: 5.38767
Type of gen. func.: lgdogf

$$-\frac{7\,x^6+1054\,x^5+2005\,x^4-204100\,x^3-1053775\,x^2-1380202\,x-453789}{(x-1)\,(x^6+131\,x^5+150\,x^4-20470\,x^3-90215\,x^2-99981\,x-27216)}$$

Sequence: A127421
Score: 11.5969
Type of gen. func.: lgdogf

$$\frac{2\,(2880\,x^{10}-6435\,x^9+3645\,x^8+5\,x+6)}{(x-1)\,(720\,x^{10}-810\,x^9-10\,x-1)}$$

Sequence: A127421
Score: 12.1716
Type of gen. func.: ogf

$$-\frac{720\,x^{10}-810\,x^9-10\,x-1}{(x-1)^2}$$

Sequence: A127422
Score: 11.3333
Type of gen. func.: ogf

$$-\frac{3\,(24000\,x^{10}-24660\,x^9-2670\,x^8-33\,x-4)}{(x-1)^2}$$

Sequence: A127423
Score: 10.6691
Type of gen. func.: lgdogf

$$\frac{8100 x^{11} - 17820 x^{10} + 9900 x^{9} + x + 21}{(x - 1) (900 x^{11} - 990 x^{10} + 9 x^{2} - 19 x - 1)}$$

Sequence: A127423
Score: 10.7303
Type of gen. func.: ogf

$$- \frac{900 x^{11} - 990 x^{10} + 9 x^{2} - 19 x - 1}{(x - 1)^{2}}$$

Sequence: A127424
Score: 9.24391
Type of gen. func.: ogf

$$- \frac{3 (33300 x^{11} - 33330 x^{10} - 3300 x^{9} + 33 x - 70)}{(x - 1)^{2}}$$

Sequence: A127509
Score: 11.1048
Type of gen. func.: lgdogf

$$- \frac{32 x^{3} - 4 x^{2} - 28 x + 9}{(x - 1) (2 x + 1) (2 x - 1) (-1 + 4 x)}$$

Sequence: A127509
Score: 11.3338
Type of gen. func.: ogf

$$- \frac{3 (2 x + 1)}{(2 x - 1) (-1 + 4 x) (x - 1)}$$

Sequence: A127509
Score: 5.27609
Type of gen. func.: ogf

$\{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 8 a(n), a(0) = 3, a(1) = 27, a(2) = 147\}$

Sequence: A127509
Score: 5.56388
Type of gen. func.: ogf

$$(1941 f(x) - 3896) (8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x - f(x) + 6 x + 3)$$

Sequence: A127526
Score: 10.9822
Type of gen. func.: ogf

$$-\frac{x^3 + x^2 - 15 x + 15}{(x^2 - 3 x + 1) (x - 1) (x + 1)}$$

Sequence: A127526
Score: 5.77582
Type of gen. func.: ogf

$$(93310985 f(x) + 72666859)$$

$$(f(x) x^4 - 3 f(x) x^3 + x^3 + 3 f(x) x + x^2 - f(x) - 15 x + 15)$$

Sequence: A127531
Score: 3.68126
Type of gen. func.: ogf

$$\{(4 n^2 + 14 n + 12) a(n + 1) + (19 n^2 + 126 n + 195) a(n + 2)$$

$$+ (-5 n^2 - 35 n - 30) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A127531

Score: 5.33046
Type of gen. func.: ogf

$$-4 f(x)^2 x^4 + f(x)^2 x^3 + 4 f(x) x^3 + 7 f(x) x^2 - x^3 - 6 f(x) x - 2 x^2 + f(x)$$

Sequence: A127533
Score: 3.45987
Type of gen. func.: ogf

$$\{(-8 n^2 - 28 n - 24) a(n + 1) + (-26 n^2 - 174 n - 276) a(n + 2) + (7 n^2 + 49 n) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 2\}$$

Sequence: A127534
Score: 4.08051
Type of gen. func.: ogf

$$-27 f(x)^3 x^4 + 4 f(x)^3 x^3 + 81 f(x)^2 x^3 - 12 f(x)^2 x^2 - 55 f(x) x^2 + 35 f(x) x + x^2 - 4 f(x) + 4 x$$

Sequence: A127539
Score: 5.84407
Type of gen. func.: ogf

$$f(x)^2 x^3 + f(x)^2 x - f(x) x^2 + f(x)^2 - 3 f(x) x + x^2 - 2 f(x) + 2 x + 1$$

Sequence: A127540
Score: 3.64248
Type of gen. func.: ogf

$$\{(4 n^2 + 22 n + 30) a(n + 1) + (3 n^2 + 15 n + 20) a(n + 2) + (-n^2 - 7 n - 10) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A127540
Score: 5.73771
Type of gen. func.: ogf

$$f(x)^2 x^4 + 2 f(x)^2 x^3 + f(x)^2 x^2 + 3 f(x) x^2 + 2 f(x) x - f(x) + x$$

Sequence: A127546
Score: 12.4756
Type of gen. func.: ogf

$$-\frac{2 (x^2 - x - 1)}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A127546
Score: 14.9508
Type of gen. func.: lgdogf

$$-\frac{x^4 - 2 x^3 + x^2 + 2 x + 3}{(x + 1) (x^2 - 3 x + 1) (x^2 - x - 1)}$$

Sequence: A127546
Score: 6.73460
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 2, a(1) = 6, a(2) = 14\}$$

Sequence: A127546
Score: 6.79472
Type of gen. func.: ogf

$$(39 f(x) + 2) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + 2 x^2 + f(x) - 2 x - 2)$$

Sequence: A127547
Score: 10.5726
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 4, a(1) = 17\}$$

Sequence: A127547
Score: 19.5006
Type of gen. func.: ogf

$$\frac{9 x + 4}{(x - 1)^{2}}$$

Sequence: A127547
Score: 29.7043
Type of gen. func.: revogf

$$- \frac{-2 - x + (4 + 13 x)^{1/2}}{-9 + x}$$

Sequence: A127547
Score: 37.4533
Type of gen. func.: lgdogf

$$- \frac{17 + 9 x}{(9 x + 4) (x - 1)}$$

Sequence: A127547
Score: 9.97189
Type of gen. func.: ogf

$$(26 f(x) + 185) (f(x) x^{2} - 2 f(x) x + f(x) - 9 x - 4)$$

Sequence: A127595
Score: 4.23314
Type of gen. func.: ogf

$$-(6820 f(x) + 1733)$$

$$(f(x) x^{4} - 10 f(x) x^{3} + 23 f(x) x^{2} - x^{3} - 10 f(x) x - 5 x^{2} + f(x) - x)$$

Sequence: A127595
Score: 8.13208

Type of gen. func.: ogf

$$\frac{x (x^2 + 5 x + 1)}{(x^2 - 7 x + 1) (x^2 - 3 x + 1)}$$

Sequence: A127595
Score: 8.34115
Type of gen. func.: lgdogf

$$- \frac{2 x^5 + 5 x^4 - 96 x^3 + 95 x^2 + 44 x - 15}{(x^2 + 5 x + 1) (x^2 - 7 x + 1) (x^2 - 3 x + 1)}$$

Sequence: A127617
Score: 5.48485
Type of gen. func.: ogf

$$-(8315 f(x) - 3912)$$

$$(f(x) x^4 - 2 f(x) x^3 - 5 f(x) x^2 - 3 f(x) x + 3 x^2 + f(x) + 2 x - 1)$$

Sequence: A127617
Score: 8.45219
Type of gen. func.: ogf

$$- \frac{(x + 1) (-1 + 3 x)}{x^4 - 2 x^3 - 5 x^2 - 3 x + 1}$$

Sequence: A127617
Score: 8.77937
Type of gen. func.: lgdogf

$$- \frac{6 x^5 - 12 x^3 + 5 x^2 + 4 x + 1}{(-1 + 3 x) (x + 1) (x^4 - 2 x^3 - 5 x^2 - 3 x + 1)}$$

Sequence: A127618
Score: 4.63408
Type of gen. func.: ogf

$(95392 f(x) - 240015)$

$$(2 f(x) x^3 - x^4 - 6 f(x) x^2 + 2 x^3 - 4 f(x) x + 5 x^2 + f(x) + 3 x - 1)$$

Sequence: A127618
Score: 7.26696
Type of gen. func.: lgdogf

$$\frac{2 x^6 - 12 x^5 + 10 x^4 + 32 x^3 - 10 x^2 + 2 x + 1}{(2 x^3 - 6 x^2 - 4 x + 1) (x^4 - 2 x^3 - 5 x^2 - 3 x + 1)}$$

Sequence: A127618
Score: 8.18484
Type of gen. func.: ogf

$$\frac{x^4 - 2 x^3 - 5 x^2 - 3 x + 1}{2 x^3 - 6 x^2 - 4 x + 1}$$

Sequence: A127619
Score: 5.75362
Type of gen. func.: lgdogf

$$- \frac{16 x^7 - 96 x^6 + 80 x^5 + 218 x^4 + 20 x^3 - 21 x^2 + 1}{(2 x^3 - 6 x^2 - 4 x + 1) (4 x^5 - 12 x^4 - 11 x^3 + 6 x^2 + 5 x - 1)}$$

Sequence: A127619
Score: 6.82161
Type of gen. func.: ogf

$$- \frac{2 x^3 - 6 x^2 - 4 x + 1}{4 x^5 - 12 x^4 - 11 x^3 + 6 x^2 + 5 x - 1}$$

Sequence: A127620
Score: 5.33410
Type of gen. func.: ogf

$$\frac{4 x^{5} - 12 x^{4} - 11 x^{3} + 6 x^{2} + 5 x - 1}{(2 x^{4} - 2 x^{3} - 6 x^{2} - 5 x + 1) (4 x^{2} + x - 1)}$$

Sequence: A127624
Score: 3.85043
Type of gen. func.: ogf

$$\frac{9 x^{10} + 8 x^{9} + 7 x^{8} + 6 x^{7} + 5 x^{6} + 4 x^{5} + 3 x^{4} + 2 x^{3} + x^{2} - 1}{x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x - 1}$$

Sequence: A127624
Score: 4.54793
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-20 x^{14} - 20 x^{13} + 51 x^{12} + 9 x^{11} - 20 x^{10} - 8 x^{3} + 4 x^{2} + 4 x - 2}{20 x^{14} - 20 x^{13} - 11 x^{12} + 11 x^{11} + 8 x^{3} - 4 x^{2} - 4 x + 2}$$

Sequence: A127628
Score: 12.8609
Type of gen. func.: ogf

$$-36 f(x)^{2} x + 5 f(x)^{2} - 4 f(x) - 1$$

Sequence: A127628
Score: 13.0042
Type of gen. func.: lgdogf

$$\frac{6 (3 - 12 x + 2 (1 - 4 x)^{1/2})}{(36 x - 5) (-1 + 4 x)}$$

Sequence: A127628
Score: 16.8290
Type of gen. func.: revogf

$$(-2 - 18 x + 3 (36 x^2 + 8 x + 1)^{1/2}) x$$

Sequence: A127628
Score: 3.67401
Type of gen. func.: ogf

$$\{(144 n + 216) a(n + 1) + (-56 n - 138) a(n + 2) + (5 n + 15) a(n + 3),$$

$$a(0) = 1, a(1) = 6, a(2) = 42\}$$

Sequence: A127630
Score: 20.6858
Type of gen. func.: lgdogf

$$- \frac{x^3 + x^2 - 7 x + 1}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A127630
Score: 22.2476
Type of gen. func.: ogf_with_Euler_transform]

$$[2 x^3 - 4 x + 1]$$

Sequence: A127630
Score: 6.11398
Type of gen. func.: ogf

$$-(6 f(x) + 13) (f(x) x^4 + 2 f(x) x^2 + x^3 + x^2 + f(x) - x - 1)$$

Sequence: A127630
Score: 9.97048
Type of gen. func.: ogf

$$-\frac{(x-1)(x+1)^2}{(x^2+1)^2}$$

Sequence: A127681
Score: 5.05217
Type of gen. func.: ogf

$$-(2x^{12}+2x^{10}-4x^8-2x^4-x^2+1) \Big/ ((x-1)(x^{12}-2x^{11}-2x^{10}-6x^9-9x^8-4x^7-4x^6-4x^5-5x^4-2x^3-2x^2+1))$$

Sequence: A127682
Score: 11.2456
Type of gen. func.: ogf

$$-\frac{x(x^4+x^3+x^2+x+1)}{x^6+x^4-1}$$

Sequence: A127682
Score: 9.92424
Type of gen. func.: lgdogf

$$-\frac{2x^9+3x^8+4x^7+6x^6+8x^5+3x^4+8x^3+3x^2+2x+1}{(x^4+x^3+x^2+x+1)(x^6+x^4-1)}$$

Sequence: A127692
Score: 3.83807
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{15}+x^{14}-x^{12}+x^{11}-x^9+x^5-2x^3+x^2+x-1}{x^{16}-x^{14}+x^{12}+x^4-x^2+1}$$

Sequence: A127694
Score: 11.6932
Type of gen. func.: lgdogf

$$-\frac{45 x^3 - 205 x^2 + 347 x - 235}{(x - 1) (45 x^3 - 170 x^2 + 229 x - 116)}$$

Sequence: A127694
Score: 3.54768
Type of gen. func.: ogf

$$\{(-199 n^2 - 1859 n - 2922) a(n + 1) + (-64 n^2 - 1538 n - 4230) a(n + 2) + (263 n^2 + 2011 n + 3666) a(n + 3), a(0) = 580, a(1) = 1175, a(2) = 2070\}$$

Sequence: A127694
Score: 4.66201
Type of gen. func.: ogf

$$(17576 f(x) + 5997055) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 225 x^3 - 4 f(x) x - 850 x^2 + f(x) + 1145 x - 580)$$

Sequence: A127694
Score: 8.45667
Type of gen. func.: ogf

$$-\frac{5 (45 x^3 - 170 x^2 + 229 x - 116)}{(x - 1)^4}$$

Sequence: A127736
Score: 11.8287
Type of gen. func.: ogf

$$-\frac{x^2 - 3 x - 1}{(x - 1)^4}$$

Sequence: A127736
Score: 24.2768
Type of gen. func.: lgdogf

$$-\frac{2 x^{2} - 7 x - 7}{(x - 1) (x^{2} - 3 x - 1)}$$

Sequence: A127736
Score: 4.10141
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (1 - 2 n) a(n + 3) + (15 + 4 n) a(n + 2)$$
$$+ (-3 - n) a(n + 1), a(0) = 1, a(1) = 7, a(2) = 21, a(3) = 46\}$$

Sequence: A127736
Score: 5.91435
Type of gen. func.: ogf

$$(72306 f(x) + 283277)$$
$$(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 4 f(x) x + x^{2} + f(x) - 3 x - 1)$$

Sequence: A127769
Score: 3.70259
Type of gen. func.: ogf

$$\{(192 n^{3} - 12 n) a(n) + (20 n^{3} + 110 n^{2} + 180 n + 90) a(n + 1)$$
$$+ (-2 n^{3} - 11 n^{2} - 19 n - 10) a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A127776
Score: 3.96458
Type of gen. func.: ogf

$$\{(-64 n^{2} - 160 n - 100) a(n + 1) + (n^{2} + 4 n + 4) a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A127786
Score: 9.45924
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3x^7+2x^6-x^5+2x^4-6x^3+2x^2-x+2}{x^8-1}$$

Sequence: A127790
Score: 13.6942
Type of gen. func.: lgdogf

$a(n+4)+a(n+3)-a(n+1)-a(n), a(0)=4, a(1)=8, a(2)=16, a(3)=8$

Sequence: A127790
Score: 30.8604
Type of gen. func.: ogf_with_Euler_transform]

$$4x^2+2x+4$$

Sequence: A127811
Score: 13.7989
Type of gen. func.: lgdogf

$a(n+4)+a(n+3)-a(n+1)-a(n), a(0)=4, a(1)=8, a(2)=16, a(3)=8$

Sequence: A127811
Score: 31.1050
Type of gen. func.: ogf_with_Euler_transform]

$$4x^2+2x+4$$

Sequence: A127813
Score: 5.98194
Type of gen. func.: lgdogf

$$-2(8x^9+26x^8+43x^7+17x^6-59x^5-130x^4-117x^3-63x^2-21x-4)$$

$$/ \; ((x - 1) (x + 1) (x^2 + x + 1)$$

$$(x^6 + 2 x^5 + 2 x^4 - 2 x^3 - 6 x^2 - 6 x - 1))$$

Sequence: A127825
Score: 5.26009
Type of gen. func.: ogf

$$- \frac{x^8 - 2 x^7 + 2 x^6 - x^5 + x^4 - x^3 + 2 x^2 - 2 x + 1}{(x^2 - x + 1) (x^2 + x + 1)^2 (x + 1)^2 (x - 1)^5}$$

Sequence: A127838
Score: 10.6341
Type of gen. func.: ogf

$$f(x) x^4 + f(x) x^3 - x^3 - f(x) + 1$$

Sequence: A127838
Score: 13.4432
Type of gen. func.: ogf

$$\frac{(x - 1) (x^2 + x + 1)}{x^4 + x^3 - 1}$$

Sequence: A127838
Score: 18.0134
Type of gen. func.: lgdogf

$$- \frac{x^3 (x^3 - 4)}{(x - 1) (x^2 + x + 1) (x^4 + x^3 - 1)}$$

Sequence: A127839
Score: 13.2380

Type of gen. func.: ogf

$$\frac{(x-1)(x+1)(x^2+1)}{x^5+x^4-1}$$

Sequence: A127840
Score: 14.2357
Type of gen. func.: ogf

$$\frac{(x-1)(x^4+x^3+x^2+x+1)}{x^6+x^5-1}$$

Sequence: A127841
Score: 13.1558
Type of gen. func.: ogf

$$\frac{(x-1)(x+1)(x^2+x+1)(x^2-x+1)}{x^7+x^6-1}$$

Sequence: A127841
Score: 13.7577
Type of gen. func.: lgdogf

$$-\frac{x^6(x^6-7)}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)(x^7+x^6-1)}$$

Sequence: A127842
Score: 12.8610
Type of gen. func.: ogf

$$\frac{(x-1)(x^6+x^5+x^4+x^3+x^2+x+1)}{x^8+x^7-1}$$

Sequence: A127842
Score: 13.7983
Type of gen. func.: lgdogf

$$-\frac{x^7\,(x^7-8)}{(x-1)\,(x^6+x^5+x^4+x^3+x^2+x+1)\,(x^8+x^7-1)}$$

Sequence: A127843
Score: 12.2560
Type of gen. func.: ogf

$$\frac{(x-1)\,(x+1)\,(x^2+1)\,(x^4+1)}{x^9+x^8-1}$$

Sequence: A127843
Score: 13.1829
Type of gen. func.: lgdogf

$$-\frac{x^8\,(x^4-3)\,(x^4+3)}{(x-1)\,(x+1)\,(x^2+1)\,(x^4+1)\,(x^9+x^8-1)}$$

Sequence: A127844
Score: 11.3534
Type of gen. func.: ogf

$$\frac{(x-1)\,(x^2+x+1)\,(x^6+x^3+1)}{x^{10}+x^9-1}$$

Sequence: A127844
Score: 14.4588
Type of gen. func.: lgdogf

$$-\frac{x^9\,(x^9-10)}{}$$

```
                2             6    3          10    9
```

$$(x - 1) (x + x + 1) (x + x + 1) (x + x - 1)$$

Sequence: A127846
Score: 10.0108
Type of gen. func.: ogf

$$-4 f(x)^2 x - 5 f(x) x + f(x) - x$$

Sequence: A127846
Score: 10.0259
Type of gen. func.: lgdogf

$$-\frac{(-1 + 9 x)^{1/2} (x - 1)^{1/2} + 1}{(-1 + 9 x)^{1/2} (x - 1)^{1/2} x}$$

Sequence: A127846
Score: 38.7669
Type of gen. func.: revogf

$$\frac{x}{(x + 1) (1 + 4 x)}$$

Sequence: A127846
Score: 4.80193
Type of gen. func.: ogf

$$\{-9 a(n) n + (10 n + 15) a(n + 1) + (-3 - n) a(n + 2), a(0) = 0, a(1) = 1\}$$

Sequence: A127848
Score: 10.6816
Type of gen. func.: ogf

$$-5 f(x)^2 x - 6 f(x) x + f(x) - x$$

Sequence: A127848
Score: 12.4216

Type of gen. func.: lgdogf

$$-\frac{(16 x^2 - 12 x + 1)^{1/2} - 1}{x (16 x^2 - 12 x + 1)^{1/2}}$$

Sequence: A127848
Score: 41.4055
Type of gen. func.: revogf

$$\frac{x}{(x + 1) (5 x + 1)}$$

Sequence: A127848
Score: 5.08239
Type of gen. func.: ogf

{-16 a(n) n + (12 n + 18) a(n + 1) + (-3 - n) a(n + 2), a(0) = 0, a(1) = 1}

Sequence: A127854
Score: 12.1971
Type of gen. func.: ogf

$$-\frac{x^2 + 4 x + 19}{(x - 1)^3}$$

Sequence: A127854
Score: 22.4686
Type of gen. func.: lgdogf

$$-\frac{x^2 + 10 x + 61}{(x - 1) (x^2 + 4 x + 19)}$$

Sequence: A127854
Score: 6.30184
Type of gen. func.: ogf

$$(6760 f(x) - 120487) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 4 x + 19)$$

Sequence: A127854
Score: 6.51914
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 19, a(1) = 61, a(2) = 127\}$$

Sequence: A127858
Score: 11.0377
Type of gen. func.: ogf

$$- \frac{6 (2 x - 1)}{(12 x - 1) (x - 1)}$$

Sequence: A127858
Score: 11.2712
Type of gen. func.: revogf

$$- \frac{-6 - 13 x + (121 x^2 + 108 x + 36)^{1/2}}{24 (x + 1)}$$

Sequence: A127858
Score: 12.9619
Type of gen. func.: lgdogf

$$- \frac{24 x^2 - 24 x + 11}{(x - 1) (2 x - 1) (12 x - 1)}$$

Sequence: A127858
Score: 5.57696
Type of gen. func.: ogf

$$-(119 f(x) + 12) (12 f(x) x^2 - 13 f(x) x + f(x) + 12 x - 6)$$

Sequence: A127858
Score: 6.23306
Type of gen. func.: ogf

$$\{a(n+2) - 13\,a(n+1) + 12\,a(n),\ a(0) = 6,\ a(1) = 66\}$$

Sequence: A127864
Score: 19.1629
Type of gen. func.: ogf

$$-\frac{1}{(x+1)(2x^2+2x-1)}$$

Sequence: A127864
Score: 22.7080
Type of gen. func.: lgdogf

$$-\frac{6x^2+8x+1}{(x+1)(2x^2+2x-1)}$$

Sequence: A127864
Score: 7.01497
Type of gen. func.: ogf

$$\{-a(n+3) + a(n+2) + 4\,a(n+1) + 2\,a(n),\ a(0) = 1,\ a(1) = 1,\ a(2) = 5\}$$

Sequence: A127864
Score: 7.77898
Type of gen. func.: ogf

$$(24 f(x) + 11)(2 f(x) x^3 + 4 f(x) x^2 + f(x) x - f(x) + 1)$$

Sequence: A127865
Score: 12.1327
Type of gen. func.: lgdogf

$$2(10x^3 + 18x^2 + 9x + 2)$$

$$-\,\overline{(2x+1)(x+1)(2x^2+2x-1)}$$

Sequence: A127865
Score: 8.14906
Type of gen. func.: ogf

$$\frac{2(2x+1)}{(x+1)^2(2x^2+2x-1)^2}$$

Sequence: A127866
Score: 11.3771
Type of gen. func.: ogf

$$\frac{4}{(x+1)(2x^2+2x-1)^2}$$

Sequence: A127866
Score: 17.9721
Type of gen. func.: lgdogf

$$-\frac{10x^2+14x+3}{(x+1)(2x^2+2x-1)}$$

Sequence: A127866
Score: 3.26668
Type of gen. func.: ogf

$$\{(n+4)\,a(n+4)+(-6-n)\,a(n+3)+(-22-4n)\,a(n+2)$$
$$+(-12-2n)\,a(n+1),\ a(0)=4,\ a(1)=12,\ a(2)=52,\ a(3)=172\}$$

Sequence: A127867
Score: 10.7296
Type of gen. func.: ogf

$$(x-1)^2$$

$$- \frac{}{2 x^4 - x^3 + 7 x^2 + 3 x - 1}$$

Sequence: A127867
Score: 12.5425
Type of gen. func.: lgdogf

$$- \frac{4 x^4 - 9 x^3 + 3 x^2 - 17 x - 1}{(x - 1) (2 x^4 - x^3 + 7 x^2 + 3 x - 1)}$$

Sequence: A127867
Score: 5.28815
Type of gen. func.: ogf

$$-(13467 f(x) + 6940)$$

$$(2 f(x) x^4 - f(x) x^3 + 7 f(x) x^2 + 3 f(x) x + x^2 - f(x) - 2 x + 1)$$

Sequence: A127868
Score: 6.12610
Type of gen. func.: lgdogf

$$- \frac{2 (12 x^6 + 9 x^5 - 39 x^4 - 4 x^3 - 56 x^2 - 17 x - 5)}{(x - 1) (3 x^2 + 6 x + 1) (2 x^4 - x^3 + 7 x^2 + 3 x - 1)}$$

Sequence: A127868
Score: 6.51852
Type of gen. func.: ogf

$$\frac{3 (3 x^2 + 6 x + 1) (x - 1)^2}{(2 x^4 - x^3 + 7 x^2 + 3 x - 1)^2}$$

Sequence: A127869
Score: 4.17920
Type of gen. func.: ogf

$$\frac{4 (x - 1) (x^3 - 3 x^2 - 3)}{(2 x^4 - x^3 + 7 x^2 + 3 x - 1)^2}$$

Sequence: A127869
Score: 5.27546
Type of gen. func.: lgdogf

$$- \frac{8 x^7 - 42 x^6 + 48 x^5 - 88 x^4 + 121 x^3 - 93 x^2 + 81 x + 15}{(x - 1) (2 x^4 - x^3 + 7 x^2 + 3 x - 1) (x^3 - 3 x^2 - 3)}$$

Sequence: A127870
Score: 4.90627
Type of gen. func.: ogf

$$- \frac{4 x^5 + 8 x^4 + 10 x^3 + 6 x^2 + 4 x - 1}{(x - 1) (4 x^8 + 8 x^7 + 18 x^6 - 56 x^5 - 28 x^4 + 44 x^3 + 38 x^2 + 4 x - 1)}$$

Sequence: A127873
Score: 14.4972
Type of gen. func.: lgdogf

$$- \frac{3 x^3 - 13 x^2 + 17 x - 19}{(x - 1) (3 x^3 - 11 x^2 + 13 x - 8)}$$

Sequence: A127873
Score: 5.33826
Type of gen. func.: ogf

$$(489 f(x) + 2210) ($$

$$f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 3 x^3 - 4 f(x) x - 11 x^2 + f(x) + 13 x - 8$$

$$)$$

Sequence: A127873
Score: 9.73049
Type of gen. func.: ogf

$$-\frac{3x^3-11x^2+13x-8}{(x-1)^4}$$

Sequence: A127876
Score: 10.1666
Type of gen. func.: ogf

$$\frac{(2x+1)(x^2+7x+1)}{(x-1)^4}$$

Sequence: A127876
Score: 15.2543
Type of gen. func.: lgdogf

$$-\frac{2x^3+36x^2+57x+13}{(x-1)(2x+1)(x^2+7x+1)}$$

Sequence: A127876
Score: 4.24061
Type of gen. func.: ogf

$$\{(-83n^2-367n-402)a(n+1)+(70n^2+32n+18)a(n+2)$$

$$+(13n^2+47n+24)a(n+3),\ a(0)=1,\ a(1)=13,\ a(2)=61\}$$

Sequence: A127876
Score: 5.62407
Type of gen. func.: ogf

$$(66f(x)+563)\,($$

$$f(x)x^4-4f(x)x^3+6f(x)x^2-2x^3-4f(x)x-15x^2+f(x)-9x-1)$$

```
------------------------------------------------------------------------------

Sequence:  A127877
Score: 4.76479
Type of gen. func.: ogf


         8      7       6        5        4        3        2
        x  + 4 x  + 22 x  + 244 x  + 248 x  + 508 x  + 154 x  + 108 x + 7
      - -----------------------------------------------------------------
                                       4        5
                                (x + 1)  (x - 1)



------------------------------------------------------------------------------

Sequence:  A127878
Score: 10.3852
Type of gen. func.: lgdogf


                           4       3        2
                        9 x  - 38 x  + 138 x  - 54 x + 65
                  - ------------------------------------------
                                4       3       2
                    (x - 1) (9 x  - 37 x  + 83 x  - 55 x + 24)



------------------------------------------------------------------------------

Sequence:  A127878
Score: 7.16962
Type of gen. func.: ogf


                            4       3       2
                         9 x  - 37 x  + 83 x  - 55 x + 24
                       - --------------------------------
                                            5
                                     (x - 1)



------------------------------------------------------------------------------

Sequence:  A127883
Score: 5.55741
Type of gen. func.: ogf


                      5        4        3        2
                  60 x  - 338 x  + 772 x  - 933 x  + 542 x - 163
                - ----------------------------------------------
                                            6
                                     (x - 1)



------------------------------------------------------------------------------

Sequence:  A127883
Score: 7.12865
Type of gen. func.: lgdogf


                       5       4        3        2
                4 (15 x  - 94 x  + 241 x  - 354 x  + 211 x - 109)
```

$$-\frac{}{(x - 1) (60 x^5 - 338 x^4 + 772 x^3 - 933 x^2 + 542 x - 163)}$$

Sequence: A127896
Score: 14.1347
Type of gen. func.: ogf

$$\frac{1}{x^3 + 3 x^2 + 2 x + 1}$$

Sequence: A127896
Score: 18.9989
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 6 x + 2}{x^3 + 3 x^2 + 2 x + 1}$$

Sequence: A127896
Score: 5.17430
Type of gen. func.: ogf

$$\{a(n + 3) + 2 a(n + 2) + 3 a(n + 1) + a(n), a(0) = 1, a(1) = -2, a(2) = 1\}$$

Sequence: A127896
Score: 5.51925
Type of gen. func.: ogf

$$-(86 f(x) - 23) (f(x) x^3 + 3 f(x) x^2 + 2 f(x) x + f(x) - 1)$$

Sequence: A127897
Score: 10.8292
Type of gen. func.: ogf

$$x f(x)^3 + 3 f(x)^2 x + 2 f(x) x - f(x) + x$$

Sequence: A127897
Score: 29.8697
Type of gen. func.: revogf

$$\frac{x}{x^3 + 3x^2 + 2x + 1}$$

Sequence: A127897
Score: 3.87836
Type of gen. func.: ogf

$$\{(-23 n^2 - 23 n) a(n) + (-42 n^2 - 128 n - 86) a(n + 1) + (-15 n^2 - 79 n - 104) a(n + 2) + (4 n^2 + 26 n + 42) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A127902
Score: 75.0153
Type of gen. func.: revogf

$$\frac{x}{x^4 + x + 1}$$

Sequence: A127904
Score: 14.4856
Type of gen. func.: ogf

$$-\frac{x (2 x^2 - 1)}{(x - 1) (2 x - 1)}$$

Sequence: A127904
Score: 18.4027
Type of gen. func.: lgdogf

$$-\frac{6 x^2 - 8 x + 3}{(x - 1) (2 x - 1) (2 x^2 - 1)}$$

Sequence: A127904
Score: 6.28135
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 3) + 2 a(n + 2), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 5\}$$

Sequence: A127904
Score: 7.63216
Type of gen. func.: ogf

$$-(f(x) + 3) (2 f(x) x^2 + 2 x^3 - 3 f(x) x + f(x) - x)$$

Sequence: A127905
Score: 4.35346
Type of gen. func.: ogf

$$31 f(x)^3 x^4 - 12 f(x)^3 x^3 + 12 f(x)^3 x^2 - 4 x f(x)^3 + f(x) x^2 - 2 f(x) x + f(x) - x$$

Sequence: A127931
Score: 5.46834
Type of gen. func.: ogf

$$(9 x^{12} + 19 x^{11} + 16 x^{10} + 9 x^9 + 31 x^8 + 2 x^7 + 41 x^6 + 6 x^5 + 14 x^4 + 3 x^3 + 4 x^2 + x + 1) / ((x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2)$$

Sequence: A127932
Score: 16.9422
Type of gen. func.: lgdogf

$$- \frac{4 (3 x^4 + 2 x^3 + x^2 + x + 1)}{(x - 1) (3 x + 1) (x + 1) (x^2 + 1)}$$

Sequence: A127932
Score: 16.9453
Type of gen. func.: ogf

$$\frac{3x+1}{(x+1)(x^2+1)(x-1)^2}$$

Sequence: A127934
Score: 13.0160
Type of gen. func.: ogf

$$\frac{2x^5+x^4+4x+1}{(x+1)(x^2+1)(x^4+1)(x-1)^2}$$

Sequence: A127934
Score: 6.99202
Type of gen. func.: lgdogf

$$-(8x^{12}+7x^{11}+3x^{10}+3x^9+35x^8+16x^7+8x^6+8x^5+16x^4+9x^3+5x^2+5x+5)\Big/((x-1)(x+1)(x^2+1)(2x^5+x^4+4x+1)(x^4+1))$$

Sequence: A127960
Score: 10.6819
Type of gen. func.: ogf

$$-\frac{3x(3x+1)}{(-1+3x)^3}$$

Sequence: A127960
Score: 23.8780
Type of gen. func.: lgdogf

$$-\frac{6(2+3x)}{(-1+3x)(3x+1)}$$

Sequence: A127960
Score: 5.52836
Type of gen. func.: ogf

{a(n + 3) - 9 a(n + 2) + 27 a(n + 1) - 27 a(n), a(0) = 0, a(1) = 3, a(2) = 36}

Sequence: A127960
Score: 5.78197
Type of gen. func.: ogf

$$(4 f(x) + 1) (27 f(x) x^3 - 27 f(x) x^2 + 9 f(x) x + 9 x^2 - f(x) + 3 x)$$

Sequence: A127961
Score: 12.1862
Type of gen. func.: revogf

$$-\frac{-1 - 101 x + (9801 x^2 - 158 x + 1)^{1/2}}{20 (9 + 10 x)}$$

Sequence: A127961
Score: 12.4029
Type of gen. func.: ogf

$$-\frac{90 x - 1}{(100 x - 1) (x - 1)}$$

Sequence: A127961
Score: 13.5403
Type of gen. func.: lgdogf

$$-\frac{9000 x^2 - 200 x + 11}{(x - 1) (90 x - 1) (100 x - 1)}$$

Sequence: A127961
Score: 6.32799
Type of gen. func.: ogf

$$-(911 f(x) - 790) (100 f(x) x^2 - 101 f(x) x + f(x) + 90 x - 1)$$

Sequence: A127961
Score: 7.12808
Type of gen. func.: ogf

$$\{a(n + 2) - 101 a(n + 1) + 100 a(n), a(0) = 1, a(1) = 11\}$$

Sequence: A127968
Score: 10.5876
Type of gen. func.: ogf

$$-\frac{x^3 + 2 x^2 - x - 1}{(x - 1) (x + 1) (x^2 + x - 1)}$$

Sequence: A127968
Score: 5.701
Type of gen. func.: ogf

$-(26 f(x) - 33)$

$$(f(x) x^4 + f(x) x^3 - 2 f(x) x^2 + x^3 - f(x) x + 2 x^2 + f(x) - x - 1)$$

Sequence: A127968
Score: 7.85448
Type of gen. func.: lgdogf

$$-\frac{x^6 + 4 x^5 + x^4 - 4 x^3 - 2 x^2 + 2}{(x - 1) (x + 1) (x^2 + x - 1) (x^3 + 2 x^2 - x - 1)}$$

Sequence: A127975
Score: 10.5526
Type of gen. func.: ogf

$$-(f(x) - 5) (3 f(x) x^3 + x^2 - f(x) + x + 1)$$

Sequence: A127975
Score: 10.9692
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A127975
Score: 17.0134
Type of gen. func.: ogf

$$-\frac{x^2 + x + 1}{3 x^3 - 1}$$

Sequence: A127975
Score: 17.7920
Type of gen. func.: lgdogf

$$-\frac{3 x^4 + 6 x^3 + 9 x^2 + 2 x + 1}{(3 x^3 - 1) (x^2 + x + 1)}$$

Sequence: A127976
Score: 10.8727
Type of gen. func.: ogf

$$-\frac{x - 1}{(x + 1)^2 (2 x - 1)^2}$$

Sequence: A127976
Score: 18.5608
Type of gen. func.: lgdogf

$$6 x^2 - 7 x - 1$$

```
                          - --------------------------
                            (x - 1) (2 x - 1) (x + 1)
```

Sequence: A127976
Score: 5.22231
Type of gen. func.: ogf

```
                          4           3           2
 -(13 f(x) + 10) (4 f(x) x  + 4 f(x) x  - 3 f(x) x  - 2 f(x) x + f(x) + x - 1)
```

Sequence: A127978
Score: 10.2622
Type of gen. func.: lgdogf

```
                            4       3       2
                         4 x  + 14 x  + 12 x  - 15 x - 5
                   - ----------------------------------------
                                           3      2
                     (2 x - 1) (x + 1) (2 x  + 4 x  + x - 3)
```

Sequence: A127978
Score: 4.48973
Type of gen. func.: ogf

```
-(5330 f(x) + 4863)

             4           3           2      3             2
    (4 f(x) x  + 4 f(x) x  - 3 f(x) x  + 2 x  - 2 f(x) x + 4 x  + f(x) + x - 3)
```

Sequence: A127978
Score: 8.57131
Type of gen. func.: ogf

```
                                  3      2
                               2 x  + 4 x  + x - 3
                             - -------------------
                                      2          2
                               (x + 1)  (2 x - 1)
```

Sequence: A127979
Score: 11.8456
Type of gen. func.: lgdogf

```
                                        3    2
                          2 (2 + x) (2 x  - x  - x - 1)
                  - -------------------------------------------
```

$$(2x - 1)(x + 1)(2x^3 + 2x^2 - 2x - 1)$$

Sequence: A127979
Score: 4.83205
Type of gen. func.: ogf

$$(19230 f(x) - 17407)\left(4 f(x) x^4 + 4 f(x) x^3 - 3 f(x) x^2 + 2 x^3 - 2 f(x) x + 2 x^2 + f(x) - 2 x - 1\right)$$

Sequence: A127979
Score: 9.09931
Type of gen. func.: ogf

$$-\frac{2x^3 + 2x^2 - 2x - 1}{(x + 1)^2 (2x - 1)^2}$$

Sequence: A127980
Score: 11.2434
Type of gen. func.: lgdogf

$$-\frac{12x^4 - 6x^3 - 7x^2 - 2x + 5}{(x - 1)(2x - 1)(x + 1)(3x^2 - x - 1)}$$

Sequence: A127980
Score: 5.01353
Type of gen. func.: ogf

$$(1116 f(x) - 3205)(4 f(x) x^4 - 4 f(x) x^3 - 3 f(x) x^2 + 4 f(x) x - 3 x^2 - f(x) + x + 1)$$

Sequence: A127980
Score: 9.80909
Type of gen. func.: ogf

$$\frac{3 x^2 - x - 1}{(x - 1) (x + 1) (2 x - 1)^2}$$

Sequence: A127981
Score: 10.4127
Type of gen. func.: ogf

$$\frac{2 x^3 - 1}{(x - 1) (x + 1) (2 x - 1)^2}$$

Sequence: A127981
Score: 11.0560
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^5 + x^4 + 2 x^3 - 7 x^2 + x + 2)}{(x - 1) (2 x - 1) (x + 1) (2 x^3 - 1)}$$

Sequence: A127981
Score: 3.38414
Type of gen. func.: ogf

$$\{(2 n + 12) a(n + 1) + (-n - 5) a(n + 2) + (-12 - 2 n) a(n + 3)$$

$$+ (n + 5) a(n + 4), a(0) = 1, a(1) = 4, a(2) = 13, a(3) = 34\}$$

Sequence: A127981
Score: 5.08892
Type of gen. func.: ogf

$$-(138 f(x) - 455)$$

$$(4 f(x) x^4 - 4 f(x) x^3 - 3 f(x) x^2 - 2 x^3 + 4 f(x) x - f(x) + 1)$$

Sequence: A127982
Score: 11.3927
Type of gen. func.: lgdogf

$$-\frac{18 x^4 - 5 x^3 - 13 x^2 - 2 x + 6}{(x - 1) (2 x - 1) (x + 1) (3 x^2 - x - 1)}$$

Sequence: A127982
Score: 9.05235
Type of gen. func.: ogf

$$-\frac{3 x^2 - x - 1}{(x + 1) (2 x - 1)^2 (x - 1)^2}$$

Sequence: A127983
Score: 11.2059
Type of gen. func.: lgdogf

$$-\frac{8 x^5 + 4 x^4 + 2 x^3 - 16 x^2 + x + 5}{(x - 1) (2 x - 1) (x + 1) (2 x^3 - 1)}$$

Sequence: A127983
Score: 9.54837
Type of gen. func.: ogf

$$-\frac{2 x^3 - 1}{(x + 1) (2 x - 1)^2 (x - 1)^2}$$

Sequence: A127984
Score: 11.4835
Type of gen. func.: ogf

$$-4 f(x) x^3 + 3 f(x) x - 2 x^2 - f(x) + 1$$

Sequence: A127984
Score: 14.3442

Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 2 x^2 - 2 x - 3}{(2 x - 1) (x + 1) (2 x^2 - 1)}$$

Sequence: A127984
Score: 15.7019
Type of gen. func.: ogf

$$-\frac{2 x^2 - 1}{(2 x - 1)^2 (x + 1)}$$

Sequence: A127984
Score: 8.18504
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 4 a(n), a(0) = 1, a(1) = 3, a(2) = 7\}$$

Sequence: A127985
Score: 10.3082
Type of gen. func.: ogf

$$\frac{x (2 x^2 - 1)}{(x - 1) (x + 1) (2 x - 1)^2}$$

Sequence: A127985
Score: 12.6769
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^4 - 4 x^2 - x + 2)}{(x - 1) (2 x - 1) (x + 1) (2 x^2 - 1)}$$

Sequence: A127985
Score: 5.27587

Type of gen. func.: ogf

$$(10 f(x) - 67) (4 f(x) x^4 - 4 f(x) x^3 - 3 f(x) x^2 - 2 x^3 + 4 f(x) x - f(x) + x)$$

Sequence: A127989
Score: 16.2132
Type of gen. func.: lgdogf

$$- \frac{3 x^3 - 9 x^2 - 3 x - 7}{(x - 1) (3 x^3 - 9 x^2 + 5 x - 3)}$$

Sequence: A127989
Score: 4.10939
Type of gen. func.: ogf

$$\{(27 n^2 + 171 n + 234) a(n + 1) + (-46 n^2 - 224 n - 222) a(n + 2)$$

$$+ (19 n^2 + 77 n + 60) a(n + 3), a(0) = 9, a(1) = 21, a(2) = 57\}$$

Sequence: A127989
Score: 5.39358
Type of gen. func.: ogf

$$(230 f(x) + 4437) ($$

$$f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 9 x^3 - 4 f(x) x - 27 x^2 + f(x) + 15 x - 9$$

$$)$$

Sequence: A127989
Score: 9.83133
Type of gen. func.: ogf

$$- \frac{3 (3 x^3 - 9 x^2 + 5 x - 3)}{(x - 1)^4}$$

Sequence: A128012
Score: 14.8245
Type of gen. func.: ogf

$$-\frac{3}{(x+1)\,(x^2+x+1)\,(x-1)^3}$$

Sequence: A128012
Score: 18.8369
Type of gen. func.: lgdogf

$$-\frac{(2x+1)\,(3x^2+2x+1)}{(x-1)\,(x+1)\,(x^2+x+1)}$$

Sequence: A128012
Score: 29.0103
Type of gen. func.: ogf_with_Euler_transform]

$$[x^2+x+1]$$

Sequence: A128013
Score: 13.6764
Type of gen. func.: lgdogf

$$-\frac{25\,(10x^2+5x+1)}{(5x-1)\,(25x^2+5x+1)}$$

Sequence: A128013
Score: 3.16184
Type of gen. func.: ogf

$$\{(-n-4)\,a(n+4)+25\,a(n+3)+125\,a(n+2)+(375+125\,n)\,a(n+1),$$

$$a(0)=10,\ a(1)=250,\ a(2)=3750,\ a(3)=42500\}$$

Sequence: A128013
Score: 4.00205

Type of gen. func.: ogf

$$(11 f(x) + 135) (625 f(x) x^4 - 500 f(x) x^3 + 150 f(x) x^2 - 20 f(x) x - 250 x^2 + f(x) - 50 x - 10)$$

Sequence: A128013
Score: 7.15366
Type of gen. func.: ogf

$$\frac{10 (25 x^2 + 5 x + 1)}{(5 x - 1)^4}$$

Sequence: A128014
Score: 12.1876
Type of gen. func.: ogf

$$-4 f(x)^2 x^2 + f(x)^2 - x^2 - 2 x - 1$$

Sequence: A128014
Score: 21.9544
Type of gen. func.: lgdogf

$$- \frac{1 + 4 x}{(2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A128014
Score: 4.13508
Type of gen. func.: ogf

$$\{(-3 - n) a(n + 3) + (-1 - n) a(n + 2) + (8 + 4 n) a(n + 1) + 4 a(n) n, a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A128015
Score: 5.12929
Type of gen. func.: ogf

2 4 2 2 3 2 2

$$4 f(x) x - f(x) x + 4 f(x) x + 4 f(x) x - f(x) x + x - f(x) + 2 x + 1$$

Sequence: A128016
Score: 12.1512
Type of gen. func.: lgdogf

$$- \frac{x^6 + 2 x^5 + 4 x^4 + 4 x^3 - 4 x^2 - 4 x - 1}{(x + 1) (x^2 + 1) (x^4 - x^2 + 1)}$$

Sequence: A128016
Score: 14.9194
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} - x^5 - 2 x^3 + x + 1$$

Sequence: A128016
Score: 7.95785
Type of gen. func.: ogf

$$-f(x) x^4 + f(x) x^2 + x^3 + x^2 - f(x) + x + 1$$

Sequence: A128016
Score: 9.67185
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 1)}{x^4 - x^2 + 1}$$

Sequence: A128017
Score: 12.1693
Type of gen. func.: lgdogf

$$- \frac{x^6 - 2 x^5 - 5 x^4 - 4 x^3 - x^2 + 4 x + 2}{(x^3 - x^2 - 2 x - 1) (x^4 - x^2 + 1)}$$

Sequence: A128017
Score: 5.88656
Type of gen. func.: ogf

$$-(6 f(x) + 1) (f(x) x^4 - f(x) x^2 + x^3 - x^2 + f(x) - 2 x - 1)$$

Sequence: A128017
Score: 9.50906
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 - 2 x - 1}{x^4 - x^2 + 1}$$

Sequence: A128018
Score: 11.988
Type of gen. func.: ogf

$$4 f(x) x^2 - 2 f(x) x + f(x) + 4 x - 1$$

Sequence: A128018
Score: 12.8706
Type of gen. func.: ogf

$$-\frac{-1 + 4 x}{4 x^2 - 2 x + 1}$$

Sequence: A128018
Score: 15.0297
Type of gen. func.: revogf

$$-\frac{-1 - 2 x + (-12 x^2 - 12 x + 1)^{1/2}}{8 (x + 1)}$$

Sequence: A128018
Score: 15.4054
Type of gen. func.: lgdogf

$$-\frac{2\,(8\,x^2-4\,x-1)}{(-1+4\,x)\,(4\,x^2-2\,x+1)}$$

Sequence: A128018
Score: 7.06312
Type of gen. func.: ogf

$$\{-a(n+2)+2\,a(n+1)-4\,a(n),\ a(0)=1,\ a(1)=-2\}$$

Sequence: A128019
Score: 11.0835
Type of gen. func.: ogf

$$-(2\,f(x)-11)\,(3\,f(x)\,x^2+f(x)+3\,x-1)$$

Sequence: A128019
Score: 14.5392
Type of gen. func.: ogf

$$-\frac{-1+3\,x}{3\,x^2+1}$$

Sequence: A128019
Score: 17.2350
Type of gen. func.: revogf

$$-\frac{-1+(-12\,x^2-12\,x+1)^{1/2}}{6\,(x+1)}$$

Sequence: A128019
Score: 9.31417
Type of gen. func.: ogf

$\{-a(n + 2) - 3 a(n), a(0) = 1, a(1) = -3\}$

Sequence: A128043
Score: 12.9222
Type of gen. func.: lgdogf

$$-\frac{6 (72 x^2 + 30 x + 5)}{(6 x - 1) (36 x^2 + 6 x + 1)}$$

Sequence: A128043
Score: 2.98974
Type of gen. func.: ogf

$\{(-n - 4) a(n + 4) + 30 a(n + 3) + 180 a(n + 2) + (648 + 216 n) a(n + 1),$

$a(0) = 12, a(1) = 360, a(2) = 6480, a(3) = 88128\}$

Sequence: A128043
Score: 3.75794
Type of gen. func.: ogf

$(11 f(x) + 162) (1296 f(x) x^4 - 864 f(x) x^3 + 216 f(x) x^2 - 24 f(x) x - 432 x^2$

$+ f(x) - 72 x - 12)$

Sequence: A128043
Score: 6.68078
Type of gen. func.: ogf

$$\frac{12 (36 x^2 + 6 x + 1)}{(6 x - 1)^4}$$

Sequence: A128048
Score: 12.4106
Type of gen. func.: lgdogf

$$-\frac{8 (128 x^2 + 40 x + 5)}{}$$

$$(8 x - 1) (64 x^2 + 8 x + 1)$$

Sequence: A128048
Score: 2.89314
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + 40 a(n + 3) + 320 a(n + 2) + (1536 + 512 n) a(n + 1),$$
$$a(0) = 16, a(1) = 640, a(2) = 15360, a(3) = 278528\}$$

Sequence: A128048
Score: 3.62134
Type of gen. func.: ogf

$$(11 f(x) + 216) (4096 f(x) x^4 - 2048 f(x) x^3 + 384 f(x) x^2 - 32 f(x) x$$
$$- 1024 x^2 + f(x) - 128 x - 16)$$

Sequence: A128048
Score: 6.33735
Type of gen. func.: ogf

$$\frac{16 (64 x^2 + 8 x + 1)}{(8 x - 1)^4}$$

Sequence: A128051
Score: 12.2400
Type of gen. func.: lgdogf

$$- \frac{7 (98 x^2 + 35 x + 5)}{(7 x - 1) (49 x^2 + 7 x + 1)}$$

Sequence: A128051
Score: 2.78766
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + 35 a(n + 3) + 245 a(n + 2) + (1029 + 343 n) a(n + 1),$$

a(0) = 14, a(1) = 490, a(2) = 10290, a(3) = 163268}

Sequence: A128051
Score: 3.53744
Type of gen. func.: ogf

$$(11 f(x) + 189) (2401 f(x) x^4 - 1372 f(x) x^3 + 294 f(x) x^2 - 28 f(x) x - 686 x^2 + f(x) - 98 x - 14)$$

Sequence: A128051
Score: 6.25523
Type of gen. func.: ogf

$$\frac{14 (49 x^2 + 7 x + 1)}{(7 x - 1)^4}$$

Sequence: A128052
Score: 6.95327
Type of gen. func.: ogf

$$- \frac{3 x^5 + 7 x^4 + 9 x^3 - 7 x^2 - 3 x - 1}{(x^2 - 3 x + 1) (x^4 + 3 x^3 + 8 x^2 + 3 x + 1)}$$

Sequence: A128053
Score: 4.78502
Type of gen. func.: ogf

$$- \frac{(x - 1) (x^{10} - 2 x^9 - 5 x^8 + 2 x^7 + 9 x^6 + 9 x^4 + 2 x^3 - 5 x^2 - 2 x + 1)}{(x^4 + 3 x^2 + 1) (x^8 - 3 x^6 + 8 x^4 - 3 x^2 + 1)}$$

Sequence: A128054
Score: 10.6598
Type of gen. func.: lgdogf

$$-\frac{3x^7+3x^6-x^5+9x^4-5x^3+7x^2+2}{(x-1)(x^2+x+1)(x^2-x+1)(x^3+x^2+1)}$$

Sequence: A128054
Score: 8.80199
Type of gen. func.: ogf

$$\frac{x^2(x^3+x^2+1)}{(x^2+x+1)(x^2-x+1)(x-1)^2}$$

Sequence: A128055
Score: 5.59957
Type of gen. func.: lgdogf

$$-\frac{512x^8-256x^7+320x^6-128x^5+128x^4+8x^2+1}{(2x-1)(4x^2-2x+1)(4x^2+2x+1)(16x^4-4x^3+4x^2-x+1)}$$

Sequence: A128055
Score: 6.61758
Type of gen. func.: ogf

$$-\frac{16x^4-4x^3+4x^2-x+1}{(2x-1)(4x^2-2x+1)(4x^2+2x+1)}$$

Sequence: A128056
Score: 5.10865
Type of gen. func.: ogf

$$-(2f(x)-1)(16f(x)x^4+12f(x)x^2+8x^3-6x^2+f(x)+3x-1)$$

Sequence: A128056
Score: 6.72999
Type of gen. func.: lgdogf

$$-\frac{128 x^6 - 192 x^5 + 48 x^4 - 64 x^3 + 12 x^2 - 12 x - 3}{(2 x - 1) (4 x^2 - x + 1) (16 x^4 + 12 x^2 + 1)}$$

Sequence: A128056
Score: 8.15858
Type of gen. func.: ogf

$$-\frac{(2 x - 1) (4 x^2 - x + 1)}{16 x^4 + 12 x^2 + 1}$$

Sequence: A128057
Score: 10.762
Type of gen. func.: ogf

$$-4 f(x)^2 x^2 - f(x)^2 + x^2 + 2 x + 1$$

Sequence: A128057
Score: 26.2010
Type of gen. func.: lgdogf

$$-\frac{-1 + 4 x}{(x + 1) (4 x^2 + 1)}$$

Sequence: A128057
Score: 3.65140
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (n + 1) a(n + 2) + (8 + 4 n) a(n + 1) + 4 a(n) n, a(0) = 1,

a(1) = 1, a(2) = -2}

Sequence: A128058
Score: 5.89316
Type of gen. func.: ogf

```
           2  4           2  3           2  2          2          2
```

$$-5 f(x) x + 12 f(x) x - 10 f(x) x + 4 f(x) x - f(x) + 1$$

Sequence: A128063
Score: 10.5583
Type of gen. func.: ogf

$$-\frac{(2 x - 1) (4 x^2 + 2 x + 1)}{16 x^4 - 8 x^3 + 4 x^2 - 2 x + 1}$$

Sequence: A128063
Score: 4.90739
Type of gen. func.: ogf

$\{a(n + 4) - 2 a(n + 3) + 4 a(n + 2) - 8 a(n + 1) + 16 a(n), a(0) = 1, a(1) = 2,$

$a(2) = 0, a(3) = -8\}$

Sequence: A128063
Score: 6.70046
Type of gen. func.: ogf

$$-16 f(x) x^4 + 8 f(x) x^3 - 4 f(x) x^2 - 8 x^3 + 2 f(x) x - f(x) + 1$$

Sequence: A128063
Score: 9.46612
Type of gen. func.: lgdogf

$$-\frac{2 (64 x^6 - 16 x^4 - 16 x^3 - 4 x + 1)}{(2 x - 1) (4 x^2 + 2 x + 1) (16 x^4 - 8 x^3 + 4 x^2 - 2 x + 1)}$$

Sequence: A128074
Score: 11.0901
Type of gen. func.: lgdogf

$$-\frac{9 (162 x^2 + 45 x + 5)}{(-1 + 9 x) (81 x^2 + 9 x + 1)}$$

Sequence: A128074
Score: 3.18668
Type of gen. func.: ogf

$$-(75 f(x) + 82) (6561 f(x) x^4 - 2916 f(x) x^3 + 486 f(x) x^2 - 1458 x^3 - 36 f(x) x - 162 x^2 + f(x) - 18 x)$$

Sequence: A128074
Score: 5.57668
Type of gen. func.: ogf

$$\frac{18 x (81 x^2 + 9 x + 1)}{(-1 + 9 x)^4}$$

Sequence: A128091
Score: 4.33180
Type of gen. func.: ogf

$$\{(-5 n^2 - 30 n - 45) a(n + 1) + (4 n^2 - 24) a(n + 2) + (n^2 + 6 n + 9) a(n + 3),$$
$$a(0) = 1, a(1) = 8, a(2) = 45\}$$

Sequence: A128091
Score: 8.56516
Type of gen. func.: ogf

$$-\frac{5 x^3 + 15 x^2 + 3 x + 1}{(x - 1)^5}$$

Sequence: A128098
Score: 8.93940
Type of gen. func.: lgdogf

$$40 + 60 x + 36 x^2 + (36 x^3 + 54 x^2 + 8 x - 10) f(x)$$

$$+ (9 x^4 + 12 x^3 + x^2 - 2 x) f(x)^2$$

Sequence: A128102
Score: 6.75627
Type of gen. func.: ogf

$$\frac{x^2 (3 x^2 - 6 x + 5)}{(2 x^3 - 3 x^2 - 2 x + 1)^2}$$

Sequence: A128102
Score: 9.48253
Type of gen. func.: lgdogf

$$-\frac{2 (12 x^4 - 39 x^3 + 57 x^2 - 27 x - 7)}{(3 x^2 - 6 x + 5) (2 x^3 - 3 x^2 - 2 x + 1)}$$

Sequence: A128111
Score: 10.8171
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^6 + x^5 + 2 x^4 - 2 x^2 - x + 1}{-x^8 - x^4 - 1}$$

Sequence: A128128
Score: 14.5160
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3 x^4 - 2 x^2 - 3}{-x^6 + 1}$$

Sequence: A128130
Score: 16.4102
Type of gen. func.: ogf

$$f(x)\, x^{4} + f(x) + x - 1$$

Sequence: A128130
Score: 18.0112
Type of gen. func.: ogf

$$-\frac{x - 1}{x^{4} + 1}$$

Sequence: A128130
Score: 21.5170
Type of gen. func.: lgdogf

$$-\frac{3 x^{4} - 4 x^{3} - 1}{(x - 1)\,(x^{4} + 1)}$$

Sequence: A128130
Score: 25.4111
Type of gen. func.: ogf_with_Euler_transform]

$$x^{7} - x^{3} - 1$$

Sequence: A128135
Score: 13.0128
Type of gen. func.: ogf

$$-4 f(x)\, x^{2} + 4 f(x)\, x + 2 x^{2} - f(x) - x + 1$$

Sequence: A128135
Score: 17.4322
Type of gen. func.: ogf

$$\frac{2 x^{2} - x + 1}{{}^{2}}$$

$$(2x-1)$$

Sequence: A128135
Score: 32.4929
Type of gen. func.: lgdogf

$$-\frac{2x+3}{(2x-1)(2x^2-x+1)}$$

Sequence: A128135
Score: 8.96996
Type of gen. func.: ogf

$$\{-a(n+3)+4a(n+2)-4a(n+1), a(0)=1, a(1)=3, a(2)=10\}$$

Sequence: A128205
Score: 11.2758
Type of gen. func.: ogf

$$\frac{x(16x^2+2x+1)}{(4x^2+2x+1)(2x-1)^2}$$

Sequence: A128205
Score: 4.55107
Type of gen. func.: ogf

$$\{(16n+40)a(n+1)+8a(n+2)+4a(n+3)+(-2n-3)a(n+4), a(0)=0,$$
$$a(1)=1, a(2)=4, a(3)=24\}$$

Sequence: A128205
Score: 6.29564
Type of gen. func.: ogf

$$(96f(x)+325)(16f(x)x^4-8f(x)x^3-16x^3-2f(x)x-2x^2+f(x)-x)$$

Sequence: A128205
Score: 7.55501
Type of gen. func.: lgdogf

$$-\frac{4\,(64\,x^4+28\,x^3+18\,x^2+10\,x+1)}{(2\,x-1)\,(4\,x^2+2\,x+1)\,(16\,x^2+2\,x+1)}$$

Sequence: A128209
Score: 13.7224
Type of gen. func.: ogf

$$-\frac{3\,x^2-1}{(x-1)\,(2\,x-1)\,(x+1)}$$

Sequence: A128209
Score: 16.3395
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^4-2\,x+1)}{(x-1)\,(2\,x-1)\,(x+1)\,(3\,x^2-1)}$$

Sequence: A128209
Score: 6.98372
Type of gen. func.: ogf

$$\{a(n+3)-2\,a(n+2)-a(n+1)+2\,a(n),\ a(0)=1,\ a(1)=2,\ a(2)=2\}$$

Sequence: A128209
Score: 7.04664
Type of gen. func.: ogf

$$-(f(x)+3)\,(2\,f(x)\,x^3-f(x)\,x^2-2\,f(x)\,x+3\,x^2+f(x)-1)$$

Sequence: A128213
Score: 15.8201
Type of gen. func.: lgdogf

$$-\frac{2x^4 - 2x^3 - 3x^2 - x + 1}{(x - 1)(x^2 - x + 1)(2x^2 + 1)}$$

Sequence: A128213
Score: 4.89108
Type of gen. func.: ogf

$\{a(n + 4) - 2 a(n + 3) + 3 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 1, a(1) = 1,$

$a(2) = 1, a(3) = -1\}$

Sequence: A128213
Score: 4.99664
Type of gen. func.: ogf

$(63 f(x) - 44)$

$(f(x) x^4 - 2 f(x) x^3 + 3 f(x) x^2 + 2 x^3 - 2 f(x) x - 2 x^2 + f(x) + x - 1)$

Sequence: A128213
Score: 9.01991
Type of gen. func.: ogf

$$-\frac{(x - 1)(2x^2 + 1)}{(x^2 - x + 1)^2}$$

Sequence: A128214
Score: 17.7786
Type of gen. func.: lgdogf

$$-\frac{6x^2 (x + 1)}{(x^2 + x + 1)(3x^2 + 2x + 1)}$$

Sequence: A128214
Score: 5.93373
Type of gen. func.: ogf

$$-f(x)\,x^4 - 2\,f(x)\,x^3 - 3\,f(x)\,x^2 - 2\,f(x)\,x + 3\,x^2 - f(x) + 2\,x + 1$$

Sequence: A128214
Score: 9.20157
Type of gen. func.: ogf

$$\frac{3\,x^2 + 2\,x + 1}{(x^2 + x + 1)^2}$$

Sequence: A128223
Score: 14.5784
Type of gen. func.: lgdogf

$$-\frac{2\,x^4 - 5\,x^3 - 7\,x^2 - 11\,x - 3}{(x - 1)\,(x + 1)\,(x^3 - 2\,x^2 - 2\,x - 1)}$$

Sequence: A128223
Score: 9.63561
Type of gen. func.: ogf

$$\frac{x\,(x^3 - 2\,x^2 - 2\,x - 1)}{(x + 1)^2\,(x - 1)^3}$$

Sequence: A128230
Score: 10.9633
Type of gen. func.: lgdegf]

$$-8 + 2\,x^2 + (-3\,x^2 - 4\,x + 8)\,f(x) + (x^2 + 2\,x - 2)\,f(x)^2$$

Sequence: A128231
Score: 12.1402
Type of gen. func.: lgdegf]

$$-6 - 3 x^2 + x^3 + (-2 x^3 + 3 x^2 + 12) f(x) + (x^3 - 6) f(x)^2$$

Sequence: A128231
Score: 3.26168
Type of gen. func.: egf]

$$\{(6 n + 30) a(n + 5) - 6 a(n + 4) + (-n - 5) a(n + 2) + a(n + 1), a(0) = 1, a(1) = 1, a(2) = 1/2, a(3) = 1/3, a(4) = 5/24\}$$

Sequence: A128232
Score: 10.8857
Type of gen. func.: lgdegf]

$$24 a(n + 5) - a(n + 1), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 1/6, a(4) = 0$$

Sequence: A128251
Score: 4.74759
Type of gen. func.: ogf

$$\{(n^3 + 16 n^2 + 86 n + 156) a(n + 1) + (-n^3 - 8 n^2 - 22 n - 20) a(n + 3), a(0) = 15, a(1) = 5, a(2) = 255\}$$

Sequence: A128251
Score: 5.68986
Type of gen. func.: ogf

$$\frac{x^8 - 20 x^6 - 5 x^5 - 170 x^4 - 14 x^3 - 180 x^2 - 5 x - 15}{(x - 1)^5 (x + 1)^5}$$

Sequence: A128251
Score: 5.84830
Type of gen. func.: lgdogf

$$-\frac{2 x^9 - 72 x^7 - 25 x^6 - 1140 x^5 - 123 x^4 - 2120 x^3 - 87 x^2 - 510 x - 5}{(x - 1) (x + 1) (x^8 - 20 x^6 - 5 x^5 - 170 x^4 - 14 x^3 - 180 x^2 - 5 x - 15)}$$

Sequence: A128360
Score: 12.9088
Type of gen. func.: ogf

$$-(19 f(x) x - f(x) + 1)^3$$

Sequence: A128378
Score: 20.7638
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{24 x}{-x + 1}$$

Sequence: A128379
Score: 15.8721
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-1 - 23 x}{x - 1}$$

Sequence: A128386
Score: 30.9181
Type of gen. func.: revogf

$$\frac{x (x + 1)}{4 x^2 + 2 x + 1}$$

Sequence: A128386
Score: 8.60342
Type of gen. func.: ogf

$$4 f(x)^2 x^2 - f(x)^2 x + 2 f(x) x - f(x) + 1$$

Sequence: A128387
Score: 27.9971
Type of gen. func.: revogf

$$\frac{x (x + 1)}{6 x^2 + 2 x + 1}$$

Sequence: A128387
Score: 7.80068
Type of gen. func.: ogf

$$6 f(x)^2 x^2 - f(x)^2 x + 2 f(x) x - f(x) + 1$$

Sequence: A128415
Score: 11.5450
Type of gen. func.: ogf

$$- \frac{(2 x - 1) (2 x + 1)}{4 x^2 + 3 x + 1}$$

Sequence: A128415
Score: 13.2447
Type of gen. func.: lgdogf

$$\frac{12 x^2 + 16 x + 3}{(2 x + 1) (2 x - 1) (4 x^2 + 3 x + 1)}$$

Sequence: A128415
Score: 5.54614
Type of gen. func.: ogf

$$\{a(n + 3) + 3 a(n + 2) + 4 a(n + 1), a(0) = 1, a(1) = -3, a(2) = 1\}$$

Sequence: A128415
Score: 6.21655
Type of gen. func.: ogf

$$(35 f(x) - 51) (4 f(x) x^2 + 3 f(x) x + 4 x^2 + f(x) - 1)$$

Sequence: A128416
Score: 13.5908
Type of gen. func.: lgdogf

$$\frac{2 (8 x^2 + 7 x + 2)}{(2 x + 1) (2 x - 1) (3 x + 1) (x + 1)}$$

Sequence: A128416
Score: 14.0578
Type of gen. func.: ogf

$$-\frac{(2 x - 1) (2 x + 1)}{(x + 1) (3 x + 1)}$$

Sequence: A128416
Score: 6.75325
Type of gen. func.: ogf

{-a(n + 3) - 4 a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = -4, a(2) = 9}

Sequence: A128416
Score: 7.73966
Type of gen. func.: ogf

$$(f(x) + 7) (3 f(x) x^2 + 4 f(x) x + 4 x^2 + f(x) - 1)$$

Sequence: A128418
Score: 8.59732
Type of gen. func.: ogf

$$72 f(x)^2 x^2 - 17 f(x)^2 x + f(x)^2 + 8 f(x) x - f(x) + 4 x$$

Sequence: A128419
Score: 7.09017
Type of gen. func.: ogf

$$8 f(x)^2 x^3 + 31 f(x)^2 x^2 + 20 f(x)^2 x - 3 f(x)^2 + 8 f(x) x - f(x) + 4$$

Sequence: A128419
Score: 8.93964
Type of gen. func.: lgdogf

$$-\frac{12 x^2 + 31 x + 10 + (-(8 x - 1) (-2 + x)^2)^{1/2}}{(x + 3) (x + 1) (8 x - 1)}$$

Sequence: A128422
Score: 13.5873
Type of gen. func.: ogf

$$-\frac{2 x^3}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A128422
Score: 27.4927
Type of gen. func.: lgdogf

$$-\frac{5 x^2 + 2 x + 2}{(x - 1) (x^2 + x + 1)}$$

Sequence: A128422
Score: 33.0079
Type of gen. func.: ogf_with_Euler_transform]

$$[x^2 + 2]$$

Sequence: A128422
Score: 5.14798
Type of gen. func.: ogf

$$\{(n + 3) a(n + 1) + 2 a(n + 2) + 2 a(n + 3) + (-1 - n) a(n + 4), a(0) = 0,$$
$$a(1) = 0, a(2) = 0, a(3) = 2\}$$

Sequence: A128422
Score: 7.08398
Type of gen. func.: ogf

$$f(x) x^{5} - 2 f(x) x^{4} + f(x) x^{3} - f(x) x^{2} + 2 x^{3} + 2 f(x) x - f(x)$$

Sequence: A128424
Score: 7.07680
Type of gen. func.: lgdogf

$$\frac{2 x^{9} - 4 x^{8} + 6 x^{7} - 14 x^{6} + 14 x^{5} - 13 x^{4} + 14 x^{3} - 9 x^{2} + 6 x - 3}{(x - 1) (x^{3} + x - 1) (x^{6} - x^{5} + 2 x^{4} - x^{3} + 2 x^{2} - x - 1)}$$

Sequence: A128424
Score: 7.57421
Type of gen. func.: ogf

$$- \frac{x^{6} - x^{5} + 2 x^{4} - x^{3} + 2 x^{2} - x - 1}{(x - 1) (x^{3} + x - 1)}$$

Sequence: A128427
Score: 6.21160
Type of gen. func.: ogf

$$\frac{x^{34} - x^{33} + x^{11} - 3 x^{9} + x^{8} + x^{7} + 2 x^{6} + x^{5} + 2 x^{4} + x^{3} + x^{2} + x + 5}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)}$$

Sequence: A128429
Score: 7.68452
Type of gen. func.: lgdogf

$$- \frac{2 x^{10} + 2 x^{9} + 4 x^{8} - 2 x^{7} - x^{6} - 14 x^{5} + 2 x^{4} + 2 x^{3} - 1}{{}^{2} \qquad {}^{2} \qquad {}^{2} \qquad {}^{5} \quad {}^{4} \quad {}^{3}}$$

$$(x + x + 1) (x - x + 1) (x + x - 1) (2 x + x + x - 1)$$

Sequence: A128429
Score: 9.76531
Type of gen. func.: ogf

$$\frac{2 x^5 + x^4 + x^3 - 1}{(x^2 + x + 1) (x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A128439
Score: 6.79423
Type of gen. func.: ogf

$$\frac{x^5 + x^4 + 3 x^3 - 3 x - 1}{(x - 1) (x + 1) (x^2 + x - 1)^2}$$

Sequence: A128439
Score: 7.38850
Type of gen. func.: lgdogf

$$- \frac{x^8 + x^7 + 13 x^6 + 8 x^5 - 18 x^4 - 16 x^3 - x^2 + 9 x + 5}{(x - 1) (x + 1) (x^2 + x - 1) (x^5 + x^4 + 3 x^3 - 3 x - 1)}$$

Sequence: A128445
Score: 13.0048
Type of gen. func.: ogf

$$- \frac{4 (10 x^2 - 13 x + 5)}{(x - 1)^3}$$

Sequence: A128445
Score: 20.9442
Type of gen. func.: lgdogf

$$-\frac{2\,(5\,x^2 - 3\,x + 1)}{(x - 1)\,(10\,x^2 - 13\,x + 5)}$$

Sequence: A128445
Score: 7.11375
Type of gen. func.: ogf

$$(25\,f(x) - 579)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 40\,x^2 - f(x) - 52\,x + 20)$$

Sequence: A128445
Score: 7.36556
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 20,\ a(1) = 8,\ a(2) = 4\}$$

Sequence: A128464
Score: 11.5737
Type of gen. func.: lgdogf

$$-\frac{x^5 + 25\,x^4 + 31\,x^3 + 65\,x^2 + 41\,x + 17}{(x - 1)\,(x^2 + x + 1)\,(x^3 + 12\,x^2 + 6\,x + 11)}$$

Sequence: A128464
Score: 11.7984
Type of gen. func.: ogf

$$\frac{x^3 + 12\,x^2 + 6\,x + 11}{(x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A128464
Score: 4.81429
Type of gen. func.: ogf

$$\{(-10\,n - 39)\,a(n + 1) - 10\,a(n + 2) - 10\,a(n + 3) + (10\,n + 29)\,a(n + 4),$$
$$a(0) = 11,\ a(1) = 17,\ a(2) = 29,\ a(3) = 41\}$$

Sequence: A128464
Score: 6.34611
Type of gen. func.: ogf

$$-(1820 f(x) - 45849)$$

$$(f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 12 x^2 + f(x) - 6 x - 11)$$

Sequence: A128467
Score: 17.5546
Type of gen. func.: ogf

$$\frac{19 x + 11}{(x - 1)^2}$$

Sequence: A128467
Score: 20.2375
Type of gen. func.: revogf

$$- \frac{-11 - 2 x + (121 + 120 x)^{1/2}}{2 (-19 + x)}$$

Sequence: A128467
Score: 31.1346
Type of gen. func.: lgdogf

$$- \frac{41 + 19 x}{(19 x + 11) (x - 1)}$$

Sequence: A128467
Score: 9.06666
Type of gen. func.: ogf

$$(60 f(x) + 1021) (f(x) x^2 - 2 f(x) x + f(x) - 19 x - 11)$$

Sequence: A128467
Score: 9.82221
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 11, a(1) = 41\}$$

Sequence: A128468
Score: 17.5546
Type of gen. func.: ogf

$$\frac{13 x + 17}{(x - 1)^{2}}$$

Sequence: A128468
Score: 20.2375
Type of gen. func.: revogf

$$- \frac{-17 - 2 x + (289 + 120 x)^{1/2}}{2 (-13 + x)}$$

Sequence: A128468
Score: 31.1346
Type of gen. func.: lgdogf

$$- \frac{47 + 13 x}{(13 x + 17) (x - 1)}$$

Sequence: A128468
Score: 9.06666
Type of gen. func.: ogf

$$(60 f(x) + 1189) (f(x) x^{2} - 2 f(x) x + f(x) - 13 x - 17)$$

Sequence: A128468
Score: 9.82221
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 17, a(1) = 47\}$$

Sequence: A128469
Score: 17.9362
Type of gen. func.: ogf

$$\frac{x + 29}{(x - 1)^2}$$

Sequence: A128469
Score: 21.3026
Type of gen. func.: revogf

$$-\frac{-29 - 2 x + (841 + 120 x)^{1/2}}{2 (x - 1)}$$

Sequence: A128469
Score: 40.4749
Type of gen. func.: lgdogf

$$-\frac{59 + x}{(x + 29) (x - 1)}$$

Sequence: A128469
Score: 9.1674
Type of gen. func.: ogf

$$(60 f(x) + 1741) (f(x) x^2 - 2 f(x) x + f(x) - x - 29)$$

Sequence: A128469
Score: 9.82221
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 29, a(1) = 59\}$$

Sequence: A128470
Score: 10.0864

Type of gen. func.: ogf

$$\{-a(n+2) + 2 a(n+1) - a(n), a(0) = 1, a(1) = 31\}$$

Sequence: A128470
Score: 18.1994
Type of gen. func.: ogf

$$\frac{29 x + 1}{(x - 1)^2}$$

Sequence: A128470
Score: 22.2034
Type of gen. func.: revogf

$$-\frac{-1 - 2 x + (1 + 120 x)^{1/2}}{2 (-29 + x)}$$

Sequence: A128470
Score: 32.8610
Type of gen. func.: lgdogf

$$-\frac{31 + 29 x}{(29 x + 1) (x - 1)}$$

Sequence: A128470
Score: 9.40644
Type of gen. func.: ogf

$$(60 f(x) + 901) (f(x) x^2 - 2 f(x) x + f(x) - 29 x - 1)$$

Sequence: A128471
Score: 10.0864
Type of gen. func.: ogf

$$\{-a(n+2) + 2 a(n+1) - a(n), a(0) = 7, a(1) = 37\}$$

Sequence: A128471
Score: 18.1994
Type of gen. func.: ogf

$$\frac{23 x + 7}{(x - 1)^{2}}$$

Sequence: A128471
Score: 21.6191
Type of gen. func.: revogf

$$-\frac{-7 - 2 x + (49 + 120 x)^{1/2}}{2 (-23 + x)}$$

Sequence: A128471
Score: 32.8610
Type of gen. func.: lgdogf

$$-\frac{37 + 23 x}{(23 x + 7) (x - 1)}$$

Sequence: A128471
Score: 9.40644
Type of gen. func.: ogf

$$(60 f(x) + 949) (f(x) x^{2} - 2 f(x) x + f(x) - 23 x - 7)$$

Sequence: A128473
Score: 17.9362
Type of gen. func.: ogf

$$\frac{7 x + 23}{(x - 1)^{2}}$$

Sequence: A128473
Score: 20.7564

Type of gen. func.: revogf

$$-\frac{-23 - 2x + (529 + 120x)^{1/2}}{2(-7 + x)}$$

Sequence: A128473
Score: 33.7291
Type of gen. func.: lgdogf

$$-\frac{53 + 7x}{(7x + 23)(x - 1)}$$

Sequence: A128473
Score: 9.1674
Type of gen. func.: ogf

$$(60 f(x) + 1429) (f(x) x^2 - 2 f(x) x + f(x) - 7 x - 23)$$

Sequence: A128473
Score: 9.82221
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 23, a(1) = 53\}$$

Sequence: A128496
Score: 7.45875
Type of gen. func.: ogf

$$\frac{x^3 - 3x^2 - x + 1}{(x^2 - 3x + 1)(x + 1)^2 (x - 1)^2}$$

Sequence: A128496
Score: 8.50243
Type of gen. func.: lgdogf

$$-\frac{3x^6 - 18x^5 + 24x^4 + 6x^3 - 5x^2 - 4x + 2}{}$$

$$(x - 1) (x + 1) (x^2 - 3 x + 1) (x^3 - 3 x^2 - x + 1)$$

Sequence: A128498
Score: 12.7646
Type of gen. func.: lgdogf

$$-7 + 56 x - 63 x^2 + (-7 x^3 - 290 x^2 + 257 x - 26) f(x)$$
$$+ (-33 x^3 + 33 x^2 - 33 x + 33) f(x)^2$$

Sequence: A128498
Score: 29.9859
Type of gen. func.: ogf_with_Euler_transform]

$$[4 x^3 - 4 x + 1]$$

Sequence: A128498
Score: 4.41162
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-n - 4) a(n + 3) + (n + 10) a(n + 2) + (-10 - n) a(n + 1),$$
$$a(0) = 1, a(1) = 1, a(2) = -3, a(3) = -3\}$$

Sequence: A128498
Score: 9.81462
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (x^2 + 1)^4}$$

Sequence: A128499
Score: 12.1988
Type of gen. func.: lgdogf

$$-59 + 590 x - 649 x^2 + (-59 x^3 - 502 x^2 + 451 x + 8) f(x)$$
$$+ (-51 x^3 + 51 x^2 - 51 x + 51) f(x)^2$$

Sequence: A128499
Score: 29.8123
Type of gen. func.: ogf_with_Euler_transform]

$$[5 x^3 - 5 x + 1]$$

Sequence: A128499
Score: 4.38856
Type of gen. func.: ogf

{(n + 4) a(n + 4) + (-n - 4) a(n + 3) + (n + 12) a(n + 2) + (-12 - n) a(n + 1),

a(0) = 1, a(1) = 1, a(2) = -4, a(3) = -4}

Sequence: A128499
Score: 8.12088
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (x^2 + 1)^5}$$

Sequence: A128504
Score: 10.5064
Type of gen. func.: ogf

$$\frac{1}{(x^2 - x + 1)^3}$$

Sequence: A128504
Score: 19.3230
Type of gen. func.: ogf_with_Euler_transform]

$$3 x^5 - 3 x^2 - 3 x + 3$$

Sequence: A128504

Score: 35.9762
Type of gen. func.: lgdogf

$$-\frac{3 (2 x - 1)}{x^2 - x + 1}$$

Sequence: A128504
Score: 4.27259
Type of gen. func.: ogf

{(-3 - n) a(n + 3) + (n + 5) a(n + 2) + (-7 - n) a(n + 1), a(0) = 1, a(1) = 3,

a(2) = 3}

Sequence: A128508
Score: 11.0594
Type of gen. func.: lgdogf

$$-\frac{7 x^6 - x^5 - 13 x^4 - 20 x^3 - 13 x^2 - 7 x - 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^3 - x^2 - x - 1)}$$

Sequence: A128508
Score: 6.85616
Type of gen. func.: ogf

$$-\frac{x^5 (x^3 - x^2 - x - 1)}{(x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4}$$

Sequence: A128518
Score: 14.0874
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^{14} + 2 x^{12} - 2}{-x^2 + 1}$$

Sequence: A128533
Score: 12.8194
Type of gen. func.: ogf

$$-\frac{x (x - 4)}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A128533
Score: 15.3320
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 14 x^2 + 16 x + 7}{(x - 4) (x + 1) (x^2 - 3 x + 1)}$$

Sequence: A128533
Score: 6.58292
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 0, a(1) = 4, a(2) = 7\}$$

Sequence: A128533
Score: 6.76577
Type of gen. func.: ogf

$$(7 f(x) + 16) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + x^2 + f(x) - 4 x)$$

Sequence: A128534
Score: 14.6534
Type of gen. func.: ogf

$$-\frac{x (3 x - 2)}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A128534
Score: 6.99592
Type of gen. func.: lgdogf

$$-\frac{6 x^{3} - 12 x^{2} + 8 x + 1}{(3 x - 2) (x + 1) (x^{2} - 3 x + 1)}$$

Sequence: A128534
Score: 7.52471
Type of gen. func.: ogf

$$(270 f(x) - 187) (f(x) x^{3} - 2 f(x) x^{2} - 2 f(x) x + 3 x^{2} + f(x) - 2 x)$$

Sequence: A128534
Score: 7.52471
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 2, a(2) = 1\}$$

Sequence: A128535
Score: 13.3142
Type of gen. func.: ogf

$$\frac{x (-1 + 4 x)}{(x + 1) (x^{2} - 3 x + 1)}$$

Sequence: A128535
Score: 15.6676
Type of gen. func.: lgdogf

$$-\frac{8 x^{3} - 11 x^{2} + 4 x - 2}{(-1 + 4 x) (x + 1) (x^{2} - 3 x + 1)}$$

Sequence: A128535
Score: 6.83705
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 0, a(1) = -1, a(2) = 2\}$$

Sequence: A128535
Score: 6.89919
Type of gen. func.: ogf

$$(95 f(x) + 156) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x - 4 x^2 + f(x) + x)$$

Sequence: A128543
Score: 12.1342
Type of gen. func.: ogf

$$- \frac{2 x^2 - 2 x - 1}{(2 x - 1)^2}$$

Sequence: A128543
Score: 27.3820
Type of gen. func.: lgdogf

$$\frac{6}{(2 x - 1) (2 x^2 - 2 x - 1)}$$

Sequence: A128543
Score: 6.24383
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 6, a(2) = 18\}$$

Sequence: A128543
Score: 9.05796
Type of gen. func.: ogf

$$-4 f(x) x^2 + 4 f(x) x - 2 x^2 - f(x) + 2 x + 1$$

Sequence: A128580
Score: 4.20818
Type of gen. func.: ogf_with_Euler_transform]

$$- (-2 x^{23} - x^{22} - 2 x^{21} - x^{18} - x^{17} - x^{16} - x^{15} - 2 x^{13} - x^{12} - 2 x^{11} - x^{10} - 2 x^{9} - x^{7} - x^{6} - x^{5} - x^{4} - 2 x - 1) / (x^{24} - 1)$$

Sequence: A128587
Score: 12.9448
Type of gen. func.: ogf

$$- \frac{3 x^2 + 3 x + 1}{(x + 1) (x^2 - x - 1)}$$

Sequence: A128587
Score: 13.0896
Type of gen. func.: lgdogf

$$- \frac{3 x^4 + 6 x^3 + 9 x^2 + 6 x + 1}{(x + 1) (3 x^2 + 3 x + 1) (x^2 - x - 1)}$$

Sequence: A128587
Score: 7.29867
Type of gen. func.: ogf

$$\{-a(n + 3) - 2 a(n + 2) + a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A128587
Score: 7.37714
Type of gen. func.: ogf

$$(2 f(x) + 1) (f(x) x^3 - 2 f(x) x + 3 x^2 - f(x) + 3 x + 1)$$

Sequence: A128588
Score: 14.6876
Type of gen. func.: ogf

$$x^2 + x + 1$$

$$-\frac{}{x^{2} + x - 1}$$

Sequence: A128588
Score: 15.9856
Type of gen. func.: lgdogf

$$-\frac{2 (2 x + 1)}{(x^{2} + x + 1) (x^{2} + x - 1)}$$

Sequence: A128588
Score: 7.63180
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A128588
Score: 8.02519
Type of gen. func.: ogf

$$-(-1 + 3 f(x)) (f(x) x^{2} + f(x) x + x^{2} - f(x) + x + 1)$$

Sequence: A128591
Score: 4.40003
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^{10} + 2 x^{8} + x^{7} + 2 x^{6} + 2 x^{4} + x^{2} + 2}{-x^{11} - x^{10} - x^{9} - x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 1}$$

Sequence: A128614
Score: 21.9574
Type of gen. func.: lgdegf]

$$-\frac{2 (6 x + 1)}{(x + 1) (-1 + 3 x)}$$

Sequence: A128614
Score: 3.71859
Type of gen. func.: ogf

$$\{(-3 n^2 - 21 n - 36) a(n + 1) + (-2 n - 6) a(n + 2) + a(n + 3), a(0) = 0, a(1) = 6, a(2) = 24\}$$

Sequence: A128615
Score: 18.9996
Type of gen. func.: ogf_with_Euler_transform]

$$[2 x^2 - 1]$$

Sequence: A128615
Score: 20.4848
Type of gen. func.: lgdogf

$$-\frac{5 x^2 - x - 1}{(x - 1) (x^2 + x + 1)}$$

Sequence: A128615
Score: 8.36982
Type of gen. func.: ogf

$$-\frac{x}{(x - 1) (x^2 + x + 1)^2}$$

Sequence: A128616
Score: 5.11589
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^6 + 2 x^5 - 2 x^4 + x^3 - x^2}{x^7 - x^6 + x^5 + x^2 - x + 1}$$

Sequence: A128617
Score: 3.39238
Type of gen. func.: ogf_with_Euler_transform]

$$-(2x^{14}-x^{13}+x^{12}-x^{11}+x^{10}-x^{9}+x^{8}-x^{7}+x^{6}-x^{5}+x^{4}-x^{3}+x^{2}-x+1)\Big/(-x^{15}-1)$$

Sequence: A128620
Score: 8.65682
Type of gen. func.: ogf

$$-\frac{x^3-x^2+1}{(x^2-x-1)(x^2+x-1)}$$

Sequence: A128624
Score: 9.71818
Type of gen. func.: ogf

$$\frac{3x^2+2x+1}{(x+1)^2(x-1)^4}$$

Sequence: A128625
Score: 10.4611
Type of gen. func.: ogf

$$\{a(n+2)-5a(n+1), a(0)=1, a(1)=8\}$$

Sequence: A128625
Score: 16.7378
Type of gen. func.: ogf

$$-5f(x)x+f(x)-3x-1$$

Sequence: A128625
Score: 20.3567

Type of gen. func.: ogf

$$-\frac{3x+1}{5x-1}$$

Sequence: A128625
Score: 20.5690
Type of gen. func.: revogf

$$-\frac{5x}{6}-1/6+\frac{(25x^2+22x+1)^{1/2}}{6}$$

Sequence: A128625
Score: 41.1381
Type of gen. func.: lgdogf

$$-\frac{8}{(3x+1)(5x-1)}$$

Sequence: A128632
Score: 12.1428
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{5x^4+4x^3+6x^2+4x+5}{-x^6+1}$$

Sequence: A128633
Score: 17.9191
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4x-4}{x^3+1}$$

Sequence: A128634
Score: 4.53029
Type of gen. func.: ogf

$$\{(-4 n^2 - 22 n - 30) a(n + 1) + (5 n^2 + 29 n + 40) a(n + 2) + (-n^2 - 7 n - 10) a(n + 3), a(0) = 0, a(1) = 2, a(2) = 8\}$$

Sequence: A128634
Score: 7.13623
Type of gen. func.: ogf

$$f(x)^2 x^4 - 2 f(x)^2 x^3 + f(x)^2 x^2 - 6 f(x) x^2 + 8 f(x) x - 2 f(x) + 4 x$$

Sequence: A128637
Score: 12.7624
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-8 x^4 - 4 x^3 - 4 x - 8}{x^6 - 1}$$

Sequence: A128640
Score: 18.0369
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{4 x - 4}{-x^3 - 1}$$

Sequence: A128650
Score: 5.22671
Type of gen. func.: ogf

$$\{(-4 n^2 - 14 n - 12) a(n + 1) + (n^2 + 4 n + 3) a(n + 2), a(0) = 0, a(1) = 4\}$$

Sequence: A128650
Score: 8.00548
Type of gen. func.: ogf

$$-4 f(x)^2 x^2 + f(x)^2 x - 16 f(x) x + 4 f(x) - 16 x$$

Sequence: A128650
Score: 9.58304
Type of gen. func.: revogf

$$\frac{(x^2 + 24 x + 16)^{1/2} x + 4 (x^2 + 24 x + 16)^{1/2} - 16 - 16 x + x^2}{8 x^2}$$

Sequence: A128675
Score: 2.74452
Type of gen. func.: ogf

$$- \frac{222 (2 + 3 x) (2 x^2 + 1)}{37 x^4 - 1}$$

Sequence: A128692
Score: 12.9615
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-16 x^2 + 8 x - 16}{x^4 - 1}$$

Sequence: A128696
Score: 5.27837
Type of gen. func.: ogf

$$- \frac{x (x^6 - 20 x^5 - 166 x^4 + 318 x^3 + 166 x^2 - 20 x - 1)}{(x - 1) (x^2 + x - 1) (x^2 - 29 x - 1) (x^2 + 11 x - 1) (x^2 - 4 x - 1)}$$

Sequence: A128697
Score: 5.11046
Type of gen. func.: ogf

6 5 4 3 2

```
         x (x + 1) (x  - 34 x  - 458 x  + 2242 x  - 458 x  - 34 x + 1)
     -----------------------------------------------------------------------
       2              2              2               2                    2
     (x  + 3 x + 1) (x  - 7 x + 1) (x  + 18 x + 1) (x  - 47 x + 1) (x - 1)
```

Sequence: A128698
Score: 5.73910
Type of gen. func.: ogf

```
                  6       5        4         3        2
              x (x  + 34 x  - 458 x  - 2242 x  - 458 x  + 34 x + 1)
    - ----------------------------------------------------------------------
                2               2                2              2
      (x + 1) (x  + 47 x + 1) (x  - 18 x + 1) (x  + 7 x + 1) (x  - 3 x + 1)
```

Sequence: A128711
Score: 6.53982
Type of gen. func.: ogf_with_Euler_transform]

```
                    7      6      5      4      3      2
                -6 x  + 2 x  - 3 x  + 2 x  - 8 x  + 2 x  - 3 x + 2
              - --------------------------------------------------
                                       8
                                      x  - 1
```

Sequence: A128712
Score: 14.5005
Type of gen. func.: ogf_with_Euler_transform]

```
                                 3      2
                              6 x  + 5 x  + 8 x + 5
                            - ---------------------
                                         4
                                     -x  + 1
```

Sequence: A128713
Score: 14.2871
Type of gen. func.: ogf_with_Euler_transform]

```
                                  3      2
                              -6 x  - 7 x  - 4 x - 7
                            - ----------------------
                                         4
                                      x  - 1
```

Sequence: A128714
Score: 3.76798

Type of gen. func.: ogf

$$\{5 a(n) n + (-16 n - 14) a(n + 1) + (13 n + 32) a(n + 2) + (-2 n - 8) a(n + 3),$$

$$a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A128714
Score: 6.47027
Type of gen. func.: ogf

$$-f(x)^2 x^2 + 2 f(x)^2 x - f(x) x^2 + 4 f(x) x + x^2 - f(x)$$

Sequence: A128714
Score: 8.80721
Type of gen. func.: lgdogf

$$-\frac{3 (x - 1)^{1/2} + 2 (5 x - 1)^{1/2} x - 3 (5 x - 1)^{1/2}}{(-2 + x) x (5 x - 1)^{1/2}}$$

Sequence: A128720
Score: 10.3361
Type of gen. func.: ogf

$$f(x)^2 x^2 + f(x) x^2 + f(x) x - f(x) + 1$$

Sequence: A128720
Score: 14.5603
Type of gen. func.: revogf

$$\frac{-1 - x - x^2 + (x^4 + 2 x^3 + 7 x^2 + 2 x + 1)^{1/2}}{2 x}$$

Sequence: A128723
Score: 6.64178
Type of gen. func.: ogf

$$-f(x)^2 x^2 - 3 f(x)^2 x - 2 f(x) x^2 - x^2 + 2 f(x) + 3 x - 2$$

Sequence: A128725
Score: 19.2157
Type of gen. func.: revogf

$$-\frac{(-1 + (4 x^2 + 1)^{1/2}) (x - 1)}{2 x}$$

Sequence: A128725
Score: 6.81046
Type of gen. func.: ogf

$$-f(x)^3 x^2 + 2 f(x)^2 x + f(x) x^2 - f(x) x - f(x) + 1$$

Sequence: A128726
Score: 3.88893
Type of gen. func.: ogf

$$5 f(x)^2 x^3 - 16 f(x)^2 x^2 + 5 f(x) x^3 + 13 f(x)^2 x - 11 f(x) x^2 + x^3 - 2 f(x)^2 + 7 f(x) x - f(x)$$

Sequence: A128729
Score: 5.86618
Type of gen. func.: ogf

$$-f(x)^3 x^2 - f(x)^2 x^2 + 2 f(x)^2 x + f(x) x^2 - x^2 - f(x) - x + 1$$

Sequence: A128730
Score: 4.28248
Type of gen. func.: ogf

$$-5 f(x)^2 x^3 + 16 f(x)^2 x^2 + 5 f(x) x^3 - 13 f(x)^2 x - 6 f(x) x^2 - x^3 + 2 f(x)^2 + f(x) x$$

Sequence: A128732
Score: 6.48853
Type of gen. func.: ogf

$$-5 f(x)^2 x^2 + 11 f(x)^2 x - 2 f(x)^2 + 5 f(x) x + x^2 - f(x)$$

Sequence: A128734
Score: 4.43072
Type of gen. func.: ogf

$$-5 f(x)^2 x^3 + 11 f(x)^2 x^2 + 5 f(x) x^3 - 2 f(x)^2 x - 16 f(x) x^2 + x^3 + 8 f(x) x - f(x)$$

Sequence: A128736
Score: 6.84435
Type of gen. func.: ogf

$$x f(x)^3 + 4 f(x)^2 x - 2 f(x)^2 - 6 f(x) x + 3 f(x) + 2 x - 1$$

Sequence: A128737
Score: 3.60078
Type of gen. func.: ogf

$$-5 f(x)^2 x^4 + 16 f(x)^2 x^3 + 10 f(x) x^4 - 13 f(x)^2 x^2 - 32 f(x) x^3 - x^4 + 2 f(x)^2 x + 31 f(x) x^2 - 10 f(x) x + f(x)$$

Sequence: A128739
Score: 5.37881
Type of gen. func.: ogf

$$f(x)^3 x^2 + f(x)^2 x^2 - f(x)^2 x - 3 f(x) x^2 + 4 f(x) x + x^2 - f(x) - 2 x + 1$$

Sequence: A128740
Score: 4.3616
Type of gen. func.: ogf

2 3 2 2 3 2 2 3

$$-5 f(x) x + 11 f(x) x + 5 f(x) x - 2 f(x) x - 11 f(x) x - x + 7 f(x) x + x^2 - f(x)$$

Sequence: A128743
Score: 3.36449
Type of gen. func.: ogf

$$\{(-5 n^3 - 10 n^2 - 5 n) a(n) + (6 n^3 + 15 n^2 + 7 n - 2) a(n + 1) + (-n^3 - 3 n^2) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A128743
Score: 4.15888
Type of gen. func.: ogf

$$-5 f(x)^2 x^3 + 6 f(x)^2 x^2 + 5 f(x) x^3 - f(x)^2 x - 11 f(x) x^2 - x^3 + 7 f(x) x + 2 x^2 - f(x)$$

Sequence: A128746
Score: 12.4793
Type of gen. func.: revogf

$$\frac{-2 - 11 x + ((8 x + 1) (2 + x)^2)^{1/2}}{2 (x^2 - 11 x - 1)}$$

Sequence: A128746
Score: 3.53613
Type of gen. func.: ogf

$$\{(-5 n^2 - 30 n - 40) a(n + 1) + (6 n^2 + 45 n + 86) a(n + 2) + (-n^2 - 9 n - 18) a(n + 3), a(0) = 1, a(1) = 5, a(2) = 22\}$$

Sequence: A128746
Score: 6.56803

Type of gen. func.: lgdogf

$$-\frac{-3 + (x - 1)^{1/2} (5 x - 1)^{1/2} x - 3 (x - 1)^{1/2} (5 x - 1)^{1/2}}{x (-2 + x) (x - 1)^{1/2} (5 x - 1)^{1/2}}$$

Sequence: A128746
Score: 7.66874
Type of gen. func.: ogf

$$f(x)^2 x^3 - 11 f(x) x^2 + 11 f(x) x - 2 f(x) - x + 2$$

Sequence: A128748
Score: 4.56886
Type of gen. func.: ogf

$$-5 f(x)^2 x^4 + 11 f(x)^2 x^3 - 2 f(x)^2 x^2 + 5 f(x) x^3 - 6 f(x) x^2 + 6 f(x) x - x^2 - f(x) + 2 x$$

Sequence: A128750
Score: 13.0324
Type of gen. func.: revogf

$$\frac{-x^2 - 1 + (x^4 - 4 x^3 + 10 x^2 - 4 x + 1)^{1/2}}{2 (x - 1)}$$

Sequence: A128750
Score: 8.00446
Type of gen. func.: ogf

$$-f(x)^2 x^2 - f(x)^2 x - f(x) x^2 + f(x) + x - 1$$

Sequence: A128752
Score: 3.69541
Type of gen. func.: ogf

2 2

$$\{(-15 n - 25 n + 40) a(n) + (18 n + 54 n + 36) a(n + 1) + (-3 n^{2} - 11 n - 10) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A128752
Score: 7.47777
Type of gen. func.: ogf

$$5 f(x)^{2} x - x^{3} - f(x)^{2} + 5 f(x) x + 2 x^{2} - f(x)$$

Sequence: A128758
Score: 17.6668
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-4 x - 4}{-x^{3} + 1}$$

Sequence: A128765
Score: 7.15431
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{13} - 2 x^{12} + x^{11} - x^{8} - x^{7} + x^{6} + x^{5} - x^{2} + 2 x - 1}{x^{15} + x^{10} + x^{5} + 1}$$

Sequence: A128766
Score: 3.93205
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^{6} + 12 x^{5} + 93 x^{4} + 208 x^{3} + 93 x^{2} + 12 x + 1)}{(x - 1)^{9}}$$

Sequence: A128766
Score: 5.74800
Type of gen. func.: lgdogf

7 6 5 4 3 2

```
        2 (x  + 23 x  + 249 x  + 1015 x  + 1505 x  + 819 x  + 157 x + 11)
      - -----------------------------------------------------------------
                          6       5       4        3       2
        (x - 1) (x + 1) (x  + 12 x  + 93 x  + 208 x  + 93 x  + 12 x + 1)
```

Sequence: A128770
Score: 3.95863
Type of gen. func.: ogf

```
    21      18      15      12       9      6    3        /     21      19
(7 x   + 5 x   + 2 x   + 3 x   + 5 x  + 2 x  - x  - 2)  /  (7 x   - 4 x
                                                        /

          18       16      15      12      10      9      7      6      4    3
     + 5 x   - 14 x   + 2 x   + 3 x   + 2 x   + 5 x  - 6 x  + 2 x  - 2 x  - x

     + 4 x - 2)
```

Sequence: A128771
Score: 4.16442
Type of gen. func.: ogf_with_Euler_transform]

```
      16    15      14    13      12    11      10    9    7      6    5      4
- (2 x   + x   + 2 x   + x   + 2 x   + x   + 2 x   + x  + x  + 2 x  + x  + 2 x

        3      2            /    18
     + x  + 2 x  + x + 2)  /  (-x   + 1)
                          /
```

Sequence: A128782
Score: 21.0942
Type of gen. func.: lgdogf

```
                                 16 (2 x + 1)
                             - --------------------
                               (-1 + 4 x) (1 + 4 x)
```

Sequence: A128782
Score: 5.21539
Type of gen. func.: ogf

```
{a(n + 3) - 12 a(n + 2) + 48 a(n + 1) - 64 a(n), a(0) = 0, a(1) = 4, a(2) = 64}
```

Sequence: A128782
Score: 7.12915
Type of gen. func.: ogf

$$(4 f(x) + 1) (64 f(x) x^3 - 48 f(x) x^2 + 12 f(x) x + 16 x^2 - f(x) + 4 x)$$

Sequence: A128782
Score: 9.83230
Type of gen. func.: ogf

$$- \frac{4 x (1 + 4 x)}{(-1 + 4 x)^3}$$

Sequence: A128784
Score: 21.8577
Type of gen. func.: lgdogf

$$- \frac{10 (5 x + 2)}{(5 x - 1) (5 x + 1)}$$

Sequence: A128784
Score: 5.12091
Type of gen. func.: ogf

$\{a(n + 3) - 15 a(n + 2) + 75 a(n + 1) - 125 a(n), a(0) = 0, a(1) = 5,$

$a(2) = 100\}$

Sequence: A128784
Score: 5.34952
Type of gen. func.: ogf

$$(4 f(x) + 1) (125 f(x) x^3 - 75 f(x) x^2 + 15 f(x) x + 25 x^2 - f(x) + 5 x)$$

Sequence: A128784
Score: 9.66365
Type of gen. func.: ogf

$$- \frac{5 x (5 x + 1)}{(5 x - 1)^3}$$

Sequence: A128785
Score: 21.1563
Type of gen. func.: lgdogf

$$-\frac{24\,(3x+1)}{(6x-1)\,(6x+1)}$$

Sequence: A128785
Score: 4.91572
Type of gen. func.: ogf

$\{a(n+3) - 18\,a(n+2) + 108\,a(n+1) - 216\,a(n),\ a(0) = 0,\ a(1) = 6,$

$a(2) = 144\}$

Sequence: A128785
Score: 5.13323
Type of gen. func.: ogf

$$(4 f(x) + 1)\,(216 f(x) x^3 - 108 f(x) x^2 + 18 f(x) x + 36 x^2 - f(x) + 6 x)$$

Sequence: A128785
Score: 9.20722
Type of gen. func.: ogf

$$-\frac{6x\,(6x+1)}{(6x-1)^3}$$

Sequence: A128786
Score: 22.2469
Type of gen. func.: lgdogf

$$-\frac{14\,(7x+2)}{(7x-1)\,(7x+1)}$$

Sequence: A128786
Score: 5.16525
Type of gen. func.: ogf

$\{a(n + 3) - 21 a(n + 2) + 147 a(n + 1) - 343 a(n), a(0) = 0, a(1) = 7, a(2) = 196\}$

Sequence: A128786
Score: 5.3938
Type of gen. func.: ogf

$$(4 f(x) + 1) (343 f(x) x^3 - 147 f(x) x^2 + 21 f(x) x + 49 x^2 - f(x) + 7 x)$$

Sequence: A128786
Score: 9.67459
Type of gen. func.: ogf

$$-\frac{7 x (7 x + 1)}{(7 x - 1)^3}$$

Sequence: A128787
Score: 19.8197
Type of gen. func.: lgdogf

$$-\frac{32 (1 + 4 x)}{(8 x - 1) (8 x + 1)}$$

Sequence: A128787
Score: 4.77646
Type of gen. func.: ogf

$\{a(n + 3) - 24 a(n + 2) + 192 a(n + 1) - 512 a(n), a(0) = 0, a(1) = 8, a(2) = 256\}$

Sequence: A128787
Score: 4.98781
Type of gen. func.: ogf

$$(4 f(x) + 1) (512 f(x) x^3 - 192 f(x) x^2 + 24 f(x) x + 64 x^2 - f(x) + 8 x)$$

Sequence: A128787
Score: 8.94638
Type of gen. func.: ogf

$$-\frac{8 x (8 x + 1)}{(8 x - 1)^3}$$

Sequence: A128788
Score: 18.9930
Type of gen. func.: lgdogf

$$-\frac{18 (2 + 9 x)}{(-1 + 9 x) (9 x + 1)}$$

Sequence: A128788
Score: 4.41789
Type of gen. func.: ogf

$$\{a(n + 3) - 27 a(n + 2) + 243 a(n + 1) - 729 a(n), a(0) = 0, a(1) = 9, a(2) = 324\}$$

Sequence: A128788
Score: 4.61337
Type of gen. func.: ogf

$$(4 f(x) + 1) (729 f(x) x^3 - 243 f(x) x^2 + 27 f(x) x + 81 x^2 - f(x) + 9 x)$$

Sequence: A128788
Score: 8.27478
Type of gen. func.: ogf

$$-\frac{9 x (9 x + 1)}{(-1 + 9 x)^3}$$

Sequence: A128789
Score: 16.5896

Type of gen. func.: lgdogf

$$-\frac{8\,(2\,x^2+7\,x+2)}{(2\,x-1)\,(4\,x^2+8\,x+1)}$$

Sequence: A128789
Score: 3.26693
Type of gen. func.: ogf

$$\{(n+3)\,a(n+4)+(-4+6\,n)\,a(n+3)+(-68-12\,n)\,a(n+2)$$
$$+(-16-8\,n)\,a(n+1),\ a(0)=0,\ a(1)=2,\ a(2)=32,\ a(3)=216\}$$

Sequence: A128789
Score: 4.49761
Type of gen. func.: ogf

$$-(660\,f(x)+1087)\,($$
$$16\,f(x)\,x^4-32\,f(x)\,x^3+24\,f(x)\,x^2-8\,x^3-8\,f(x)\,x-16\,x^2+f(x)-2\,x$$
$$)$$

Sequence: A128789
Score: 8.52795
Type of gen. func.: ogf

$$\frac{2\,x\,(4\,x^2+8\,x+1)}{(2\,x-1)^4}$$

Sequence: A128790
Score: 14.3211
Type of gen. func.: lgdogf

$$-\frac{32\,(4\,x^2+7\,x+1)}{(-1+4\,x)\,(16\,x^2+16\,x+1)}$$

Sequence: A128790
Score: 3.97434
Type of gen. func.: ogf

$$-(660 f(x) + 1087) (256 f(x) x^4 - 256 f(x) x^3 + 96 f(x) x^2 - 64 x^3 - 16 f(x) x - 64 x^2 + f(x) - 4 x)$$

Sequence: A128790
Score: 7.35988
Type of gen. func.: ogf

$$\frac{4 x (16 x^2 + 16 x + 1)}{(-1 + 4 x)^4}$$

Sequence: A128791
Score: 13.3527
Type of gen. func.: lgdogf

$$- \frac{10 (25 x^2 + 35 x + 4)}{(5 x - 1) (25 x^2 + 20 x + 1)}$$

Sequence: A128791
Score: 3.81045
Type of gen. func.: ogf

$$-(660 f(x) + 1087) (625 f(x) x^4 - 500 f(x) x^3 + 150 f(x) x^2 - 125 x^3 - 20 f(x) x - 100 x^2 + f(x) - 5 x)$$

Sequence: A128791
Score: 6.94046
Type of gen. func.: ogf

$$\frac{5 x (25 x^2 + 20 x + 1)}{(5 x - 1)^4}$$

Sequence: A128792
Score: 12.5697
Type of gen. func.: lgdogf

$$-\frac{24 (18 x^2 + 21 x + 2)}{(6 x - 1) (36 x^2 + 24 x + 1)}$$

Sequence: A128792
Score: 3.56604
Type of gen. func.: ogf

$$-(660 f(x) + 1087) (1296 f(x) x^4 - 864 f(x) x^3 + 216 f(x) x^2 - 216 x^3 - 24 f(x) x - 144 x^2 + f(x) - 6 x)$$

Sequence: A128792
Score: 6.46082
Type of gen. func.: ogf

$$\frac{6 x (36 x^2 + 24 x + 1)}{(6 x - 1)^4}$$

Sequence: A128793
Score: 11.9258
Type of gen. func.: lgdogf

$$-\frac{14 (49 x^2 + 49 x + 4)}{(7 x - 1) (49 x^2 + 28 x + 1)}$$

Sequence: A128793
Score: 3.3633
Type of gen. func.: ogf

4 3 2 3

$$-(660 f(x) + 1087) (2401 f(x) x - 1372 f(x) x + 294 f(x) x - 343 x$$

$$- 28 f(x) x - 196 x^{2} + f(x) - 7 x)$$

Sequence: A128793
Score: 6.06176
Type of gen. func.: ogf

$$\frac{7 x (49 x^{2} + 28 x + 1)}{(7 x - 1)^{4}}$$

Sequence: A128794
Score: 12.4529
Type of gen. func.: lgdogf

$$- \frac{64 (16 x^{2} + 14 x + 1)}{(8 x - 1) (64 x^{2} + 32 x + 1)}$$

Sequence: A128794
Score: 3.50953
Type of gen. func.: ogf

$$-(660 f(x) + 1087) (4096 f(x) x^{4} - 2048 f(x) x^{3} + 384 f(x) x^{2} - 512 x^{3}$$

$$- 32 f(x) x - 256 x^{2} + f(x) - 8 x)$$

Sequence: A128794
Score: 6.32530
Type of gen. func.: ogf

$$\frac{8 x (64 x^{2} + 32 x + 1)}{(8 x - 1)^{4}}$$

Sequence: A128795
Score: 11.1548

Type of gen. func.: lgdogf

$$-\frac{18\,(81\,x^2 + 63\,x + 4)}{(-1 + 9\,x)\,(81\,x^2 + 36\,x + 1)}$$

Sequence: A128795
Score: 3.14823
Type of gen. func.: ogf

$$-(660\,f(x) + 1087)\,(6561\,f(x)\,x^4 - 2916\,f(x)\,x^3 + 486\,f(x)\,x^2 - 729\,x^3 - 36\,f(x)\,x - 324\,x^2 + f(x) - 9\,x)$$

Sequence: A128795
Score: 5.67414
Type of gen. func.: ogf

$$\frac{9\,x\,(81\,x^2 + 36\,x + 1)}{(-1 + 9\,x)^4}$$

Sequence: A128796
Score: 14.1864
Type of gen. func.: ogf

$$-\frac{8\,x^2}{(2\,x - 1)^3}$$

Sequence: A128796
Score: 5.87906
Type of gen. func.: ogf

$$\{a(n + 3) - 6\,a(n + 2) + 12\,a(n + 1) - 8\,a(n),\ a(0) = 0,\ a(1) = 0,\ a(2) = 8\}$$

Sequence: A128796
Score: 64.5985

Type of gen. func.: lgdogf

$$-\frac{6}{2 x - 1}$$

Sequence: A128796
Score: 7.95824
Type of gen. func.: ogf

$$8 f(x) x^3 - 12 f(x) x^2 + 6 f(x) x + 8 x^2 - f(x)$$

Sequence: A128797
Score: 12.9339
Type of gen. func.: ogf

$$-\frac{18 x^2}{(-1 + 3 x)^3}$$

Sequence: A128797
Score: 5.49404
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 27 a(n + 1) - 27 a(n), a(0) = 0, a(1) = 0, a(2) = 18\}$$

Sequence: A128797
Score: 55.8687
Type of gen. func.: lgdogf

$$-\frac{9}{-1 + 3 x}$$

Sequence: A128797
Score: 7.39081
Type of gen. func.: ogf

$$27 f(x) x^3 - 27 f(x) x^2 + 9 f(x) x + 18 x^2 - f(x)$$

Sequence: A128798
Score: 12.1159
Type of gen. func.: ogf

$$-\frac{32 x^2}{(-1 + 4 x)^3}$$

Sequence: A128798
Score: 48.9660
Type of gen. func.: lgdogf

$$-\frac{12}{-1 + 4 x}$$

Sequence: A128798
Score: 5.20773
Type of gen. func.: ogf

{a(n + 3) - 12 a(n + 2) + 48 a(n + 1) - 64 a(n), a(0) = 0, a(1) = 0, a(2) = 32}

Sequence: A128798
Score: 6.98449
Type of gen. func.: ogf

$$64 f(x) x^3 - 48 f(x) x^2 + 12 f(x) x + 32 x^2 - f(x)$$

Sequence: A128799
Score: 11.7433
Type of gen. func.: ogf

$$-\frac{50 x^2}{(5 x - 1)^3}$$

Sequence: A128799
Score: 5.10577

Type of gen. func.: ogf

{a(n + 3) - 15 a(n + 2) + 75 a(n + 1) - 125 a(n), a(0) = 0, a(1) = 0, a(2) = 50

}

Sequence: A128799
Score: 52.8338
Type of gen. func.: lgdogf

$$-\frac{15}{5x-1}$$

Sequence: A128799
Score: 6.82748
Type of gen. func.: ogf

$$125 f(x) x^3 - 75 f(x) x^2 + 15 f(x) x + 50 x^2 - f(x)$$

Sequence: A128800
Score: 11.1427
Type of gen. func.: ogf

$$-\frac{72 x^2}{(6x-1)^3}$$

Sequence: A128800
Score: 4.89894
Type of gen. func.: ogf

{a(n + 3) - 18 a(n + 2) + 108 a(n + 1) - 216 a(n), a(0) = 0, a(1) = 0,

a(2) = 72}

Sequence: A128800
Score: 51.1262
Type of gen. func.: lgdogf

$$-\frac{18}{}$$

$$6 x - 1$$

Sequence: A128800
Score: 6.53192
Type of gen. func.: ogf

$$216 f(x) x^{3} - 108 f(x) x^{2} + 18 f(x) x + 72 x^{2} - f(x)$$

Sequence: A128801
Score: 11.5048
Type of gen. func.: ogf

$$- \frac{98 x}{(7 x - 1)^{3}}$$

Sequence: A128801
Score: 4.88954
Type of gen. func.: ogf

$$\{a(n + 3) - 21 a(n + 2) + 147 a(n + 1) - 343 a(n), a(0) = 0, a(1) = 98,$$
$$a(2) = 2058\}$$

Sequence: A128801
Score: 5.53533
Type of gen. func.: ogf

$$(3 f(x) + 14) (343 f(x) x^{3} - 147 f(x) x^{2} + 21 f(x) x - f(x) + 98 x)$$

Sequence: A128801
Score: 52.5522
Type of gen. func.: lgdogf

$$- \frac{21}{7 x - 1}$$

Sequence: A128802

Score: 10.5054
Type of gen. func.: ogf

$$-\frac{128 x^2}{(8 x - 1)^3}$$

Sequence: A128802
Score: 4.66906
Type of gen. func.: ogf

{a(n + 3) - 24 a(n + 2) + 192 a(n + 1) - 512 a(n), a(0) = 0, a(1) = 0,

a(2) = 128}

Sequence: A128802
Score: 45.0416
Type of gen. func.: lgdogf

$$-\frac{24}{8 x - 1}$$

Sequence: A128802
Score: 6.20773
Type of gen. func.: ogf

$$512 f(x) x^3 - 192 f(x) x^2 + 24 f(x) x + 128 x^2 - f(x)$$

Sequence: A128803
Score: 4.40721
Type of gen. func.: ogf

{a(n + 3) - 27 a(n + 2) + 243 a(n + 1) - 729 a(n), a(0) = 0, a(1) = 0,

a(2) = 162}

Sequence: A128803
Score: 42.4981
Type of gen. func.: lgdogf

$$-\frac{}{-1 + 9 x}$$

Sequence: A128803
Score: 5.8596
Type of gen. func.: ogf

$$729 f(x) x^3 - 243 f(x) x^2 + 27 f(x) x + 162 x^2 - f(x)$$

Sequence: A128803
Score: 9.91623
Type of gen. func.: ogf

$$-\frac{162 x^2}{(-1 + 9 x)^3}$$

Sequence: A128805
Score: 5.67176
Type of gen. func.: ogf

$$\frac{x^{16} - x^{13} + x^{12} - x^9 + x^8 + x^4 - x + 1}{x^{16} - 2 x^{13} + x^{12} - 2 x^9 + x^8 + x^4 - 2 x + 1}$$

Sequence: A128814
Score: 5.63691
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 8) a(n + 1) - 2 a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A128822
Score: 15.4065
Type of gen. func.: lgdogf

$$-\frac{x^3 + 63 x^2 + 177 x + 47}{(x - 1) (x^3 + 30 x^2 + 39 x + 2)}$$

Sequence: A128822
Score: 3.57220
Type of gen. func.: ogf

$$\{(-2917 n^{2} - 13643 n - 15618) a(n + 1) + (9842 n^{2} + 62208 n + 130074) a(n + 2)$$
$$+ (-6925 n^{2} - 36541 n - 47298) a(n + 3), a(0) = 2, a(1) = 47, a(2) = 206\}$$

Sequence: A128822
Score: 4.89438
Type of gen. func.: ogf

$$(17934336 f(x) + 523273843)$$
$$(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - x^{3} - 4 f(x) x - 30 x^{2} + f(x) - 39 x - 2)$$

Sequence: A128822
Score: 9.54094
Type of gen. func.: ogf

$$\frac{x^{3} + 30 x^{2} + 39 x + 2}{(x - 1)^{4}}$$

Sequence: A128831
Score: 4.06613
Type of gen. func.: ogf

$$(2596769 f(x) + 1845168) ($$
$$64 f(x) x^{4} - 120 f(x) x^{3} + 70 f(x) x^{2} - 15 f(x) x - 8 x^{2} + f(x) - 12 x - 1)$$

Sequence: A128831
Score: 6.23344
Type of gen. func.: lgdogf

$$- \frac{1024 x^{5} + 1344 x^{4} - 2624 x^{3} + 600 x^{2} + 124 x - 27}{}$$

$$(x - 1) (8 x - 1) (2 x - 1) (-1 + 4 x) (8 x^2 + 12 x + 1)$$

Sequence: A128831
Score: 7.96961
Type of gen. func.: ogf

$$\frac{8 x^2 + 12 x + 1}{(x - 1) (8 x - 1) (2 x - 1) (-1 + 4 x)}$$

Sequence: A128832
Score: 5.18832
Type of gen. func.: ogf

$$- \frac{(1 + 4 x) (16 x^2 + 46 x + 1)}{(x - 1) (-1 + 4 x) (2 x - 1) (8 x - 1) (16 x - 1)}$$

Sequence: A128833
Score: 4.20568
Type of gen. func.: ogf

$$\frac{1024 x^4 + 5760 x^3 + 2800 x^2 + 180 x + 1}{(x - 1) (-1 + 4 x) (2 x - 1) (8 x - 1) (16 x - 1) (32 x - 1)}$$

Sequence: A128834
Score: 10.2272
Type of gen. func.: ogf

$$(f(x) + 1) (f(x) x^2 - f(x) x + f(x) - x)$$

Sequence: A128834
Score: 10.2272
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) + a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A128834
Score: 25.0515
Type of gen. func.: ogf_with_Euler_transform]

$$x^5 - x^2 - x + 1$$

Sequence: A128834
Score: 25.1032
Type of gen. func.: ogf

$$\frac{x}{x^2 - x + 1}$$

Sequence: A128834
Score: 62.8285
Type of gen. func.: lgdogf

$$-\frac{2x - 1}{x^2 - x + 1}$$

Sequence: A128835
Score: 8.85831
Type of gen. func.: ogf

$$\frac{2x^6 + 2x^5 + x^4 + 5x^3 + 16x^2 + 5x + 11}{(x + 1)(x^2 + x + 1)(x^2 - x + 1)(x - 1)^2}$$

Sequence: A128862
Score: 3.12108
Type of gen. func.: ogf

$$-\frac{x^2 - 5x + 1}{(x - 1)(x^2 - 14x + 1)}$$

Sequence: A128862
Score: 5.68755
Type of gen. func.: ogf

$$(1097 f(x) - 16) (f(x) x^3 - 15 f(x) x^2 + 15 f(x) x + x^2 - f(x) - 5 x + 1)$$

Sequence: A128865
Score: 4.2575
Type of gen. func.: ogf

$$(2596769 f(x) + 7380672) (64 f(x) x^4 - 120 f(x) x^3 + 70 f(x) x^2 - 15 f(x) x - 32 x^2 + f(x) - 48 x - 4)$$

Sequence: A128865
Score: 6.57800
Type of gen. func.: lgdogf

$$- \frac{1024 x^5 + 1344 x^4 - 2624 x^3 + 600 x^2 + 124 x - 27}{(x - 1) (8 x - 1) (2 x - 1) (-1 + 4 x) (8 x^2 + 12 x + 1)}$$

Sequence: A128865
Score: 8.29092
Type of gen. func.: ogf

$$\frac{4 (8 x^2 + 12 x + 1)}{(x - 1) (8 x - 1) (2 x - 1) (-1 + 4 x)}$$

Sequence: A128866
Score: 4.63493
Type of gen. func.: ogf

$$- \frac{5 (1 + 4 x) (16 x^2 + 46 x + 1)}{(x - 1) (-1 + 4 x) (2 x - 1) (8 x - 1) (16 x - 1)}$$

Sequence: A128880
Score: 8.03100
Type of gen. func.: ogf

$$-\frac{x^4 + 54 x^3 + 34 x^2 + 54 x + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A128880
Score: 9.69513
Type of gen. func.: lgdogf

$$-\frac{x^5 + 109 x^4 + 160 x^3 + 412 x^2 + 127 x + 55}{(x - 1) (x + 1) (x^4 + 54 x^3 + 34 x^2 + 54 x + 1)}$$

Sequence: A128917
Score: 10.4839
Type of gen. func.: ogf

$$-\frac{x^2 - 12 x + 1}{(x - 1) (x^2 - 62 x + 1)}$$

Sequence: A128917
Score: 5.49973
Type of gen. func.: ogf

$$(302637 f(x) - 2912) (f(x) x^3 - 63 f(x) x^2 + 63 f(x) x + x^2 - f(x) - 12 x + 1)$$

Sequence: A128917
Score: 5.68616
Type of gen. func.: ogf

$\{-a(n + 3) + 63 a(n + 2) - 63 a(n + 1) + a(n), a(0) = 1, a(1) = 51, a(2) = 3151$

$\}$

Sequence: A128917

Score: 7.78948
Type of gen. func.: lgdogf

$$-\frac{x^4 - 24 x^3 + 696 x^2 - 124 x + 51}{(x - 1) (x^2 - 62 x + 1) (x^2 - 12 x + 1)}$$

Sequence: A128918
Score: 10.8337
Type of gen. func.: ogf

$$-\frac{4 x^3 - x^2 + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A128918
Score: 16.8907
Type of gen. func.: lgdogf

$$-\frac{8 x^4 + x^3 + 11 x^2 + 3 x + 1}{(x - 1) (x + 1) (4 x^3 - x^2 + 1)}$$

Sequence: A128919
Score: 2.73203
Type of gen. func.: ogf

{a(n + 3) - 143 a(n + 2) + 143 a(n + 1) - a(n), a(0) = 1, a(1) = 148,

a(2) = 21022}

Sequence: A128919
Score: 5.12782
Type of gen. func.: ogf

$$-\frac{x^2 + 5 x + 1}{(x - 1) (x^2 - 142 x + 1)}$$

Sequence: A128922
Score: 3.11922
Type of gen. func.: ogf

$\{a(n + 3) - 323 a(n + 2) + 323 a(n + 1) - a(n), a(0) = 1, a(1) = 451,$

$a(2) = 145351\}$

Sequence: A128922
Score: 5.72633
Type of gen. func.: ogf

$$-\frac{x^2 + 128 x + 1}{(x - 1) (x^2 - 322 x + 1)}$$

Sequence: A128929
Score: 13.6425
Type of gen. func.: lgdogf

$$-\frac{x^7 + x^6 - 2 x^5 - 2 x^3 - 2 x^2 - 3 x - 1}{(x - 1) (x + 1) (x^2 + 1) (x^4 - x^2 - 1)}$$

Sequence: A128929
Score: 14.3327
Type of gen. func.: ogf

$$-\frac{x^4 - x^2 - 1}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A128939
Score: 10.3856
Type of gen. func.: ogf

$$-\frac{(x + 1) (3 x^5 - 3 x^4 + 3 x^3 + x^2 + 1)}{(2 x^2 - 1) (2 x^2 + 1)}$$

Sequence: A128939
Score: 6.47362
Type of gen. func.: lgdogf

$$\frac{24 x^9 - 16 x^6 - 26 x^5 - 12 x^4 - 16 x^3 - 12 x^2 - 2 x - 1}{(x + 1) (2 x^2 - 1) (2 x^2 + 1) (3 x^5 - 3 x^4 + 3 x^3 + x^2 + 1)}$$

Sequence: A128950
Score: 5.54959
Type of gen. func.: ogf

$$- \frac{90 x^6 - 5 x^5 + 9 x^4 + 2 x^3 + 4 x^2 + x - 83}{(x - 1) (10 x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A128951
Score: 4.64060
Type of gen. func.: ogf

$$- \frac{80 x^5 + 76 x^4 + 84 x^3 + 78 x^2 + 79 x + 78}{(10 x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A128952
Score: 4.44884
Type of gen. func.: ogf

$$- \frac{70 x^5 - 69 x^4 + 76 x^3 - 71 x^2 + 69 x - 66}{(10 x - 1) (x - 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A128954
Score: 5.43747
Type of gen. func.: ogf

$$- \frac{50 x^4 - x^3 + 52 x^2 - 5 x + 50}{}$$

$$(10x-1)(x^2+x+1)(x^2-x+1)$$

Sequence: A128956
Score: 5.43747
Type of gen. func.: ogf

$$-\frac{100x^6+2x^5+13x^4+2x^3+3x^2+3x-87}{(x-1)(10x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A128957
Score: 4.64060
Type of gen. func.: ogf

$$-\frac{90x^5+81x^4+89x^3+84x^2+83x+86}{(10x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A128959
Score: 5.62121
Type of gen. func.: ogf

$$-\frac{90x^5-89x^4+95x^3-88x^2+92x-82}{(10x-1)(x-1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A128960
Score: 11.2068
Type of gen. func.: ogf

$$\frac{24x}{(2x-1)^4}$$

Sequence: A128960
Score: 57.2049
Type of gen. func.: lgdogf

$$-\frac{8}{2 x - 1}$$

Sequence: A128960
Score: 6.14219
Type of gen. func.: ogf

$$\{(n + 1) a(n + 2) + (-2 n - 8) a(n + 1), a(0) = 0, a(1) = 24\}$$

Sequence: A128960
Score: 6.3301
Type of gen. func.: ogf

$$-(7 f(x) + 54) (16 f(x) x^4 - 32 f(x) x^3 + 24 f(x) x^2 - 8 f(x) x + f(x) - 24 x)$$

Sequence: A128961
Score: 10.3720
Type of gen. func.: ogf

$$\frac{54 x}{(-1 + 3 x)^4}$$

Sequence: A128961
Score: 5.82809
Type of gen. func.: ogf

$$\{(n + 1) a(n + 2) + (-3 n - 12) a(n + 1), a(0) = 0, a(1) = 54\}$$

Sequence: A128961
Score: 5.91698
Type of gen. func.: ogf

$$(7 f(x) + 81) (81 f(x) x^4 - 108 f(x) x^3 + 54 f(x) x^2 - 12 f(x) x + f(x) - 54 x)$$

Sequence: A128961
Score: 54.8014
Type of gen. func.: lgdogf

$$-\frac{12}{-1 + 3 x}$$

Sequence: A128962
Score: 47.3564
Type of gen. func.: lgdogf

$$-\frac{16}{-1 + 4 x}$$

Sequence: A128962
Score: 5.49629
Type of gen. func.: ogf

$$\{(n + 1) a(n + 2) + (-16 - 4 n) a(n + 1), a(0) = 0, a(1) = 96\}$$

Sequence: A128962
Score: 5.58162
Type of gen. func.: ogf

$$(7 f(x) + 108)$$

$$(256 f(x) x^4 - 256 f(x) x^3 + 96 f(x) x^2 - 16 f(x) x + f(x) - 96 x)$$

Sequence: A128962
Score: 9.61850
Type of gen. func.: ogf

$$\frac{96 x}{(-1 + 4 x)^4}$$

Sequence: A128963
Score: 5.34446
Type of gen. func.: ogf

$$\{(n + 1) a(n + 2) + (-20 - 5 n) a(n + 1), a(0) = 0, a(1) = 150\}$$

Sequence: A128963
Score: 5.47657
Type of gen. func.: ogf

$$(7 f(x) + 135)$$

$$(625 f(x) x^4 - 500 f(x) x^3 + 150 f(x) x^2 - 20 f(x) x + f(x) - 150 x)$$

Sequence: A128963
Score: 50.7129
Type of gen. func.: lgdogf

$$-\frac{20}{5 x - 1}$$

Sequence: A128963
Score: 9.13731
Type of gen. func.: ogf

$$\frac{150 x}{(5 x - 1)^4}$$

Sequence: A128964
Score: 4.99821
Type of gen. func.: ogf

$$\{(n + 1) a(n + 2) + (-24 - 6 n) a(n + 1), a(0) = 0, a(1) = 216\}$$

Sequence: A128964
Score: 5.73601
Type of gen. func.: ogf

$$(7 f(x) + 162)$$

$$(1296 f(x) x^4 - 864 f(x) x^3 + 216 f(x) x^2 - 24 f(x) x + f(x) - 216 x)$$

Sequence: A128964
Score: 8.40968
Type of gen. func.: ogf

$$\frac{216 x}{(6 x - 1)^4}$$

Sequence: A128965
Score: 4.76048
Type of gen. func.: ogf

$$\{(n + 1) a(n + 2) + (-28 - 7 n) a(n + 1), a(0) = 0, a(1) = 294\}$$

Sequence: A128965
Score: 41.3578
Type of gen. func.: lgdogf

$$- \frac{28}{7 x - 1}$$

Sequence: A128965
Score: 5.5465
Type of gen. func.: ogf

$$(f(x) + 27)$$

$$(2401 f(x) x^4 - 1372 f(x) x^3 + 294 f(x) x^2 - 28 f(x) x + f(x) - 294 x)$$

Sequence: A128965
Score: 7.88455
Type of gen. func.: ogf

$$\frac{294 x}{(7 x - 1)^4}$$

Sequence: A128967
Score: 4.96974
Type of gen. func.: ogf

$$\{(n + 1) a(n + 2) + (-32 - 8 n) a(n + 1), a(0) = 0, a(1) = 384\}$$

Sequence: A128967
Score: 43.2062
Type of gen. func.: lgdogf

$$-\frac{32}{8x-1}$$

Sequence: A128967
Score: 5.18044
Type of gen. func.: ogf

$$(7 f(x) + 216) (4096 f(x) x^4 - 2048 f(x) x^3 + 384 f(x) x^2 - 32 f(x) x + f(x) - 384 x)$$

Sequence: A128967
Score: 8.23112
Type of gen. func.: ogf

$$\frac{384 x}{(8x-1)^4}$$

Sequence: A128969
Score: 38.5897
Type of gen. func.: lgdogf

$$-\frac{36}{-1+9x}$$

Sequence: A128969
Score: 4.44529
Type of gen. func.: ogf

$$\{(n + 1) a(n + 2) + (-36 - 9 n) a(n + 1), a(0) = 0, a(1) = 486\}$$

Sequence: A128969
Score: 5.26937
Type of gen. func.: ogf

$$(7 f(x) + 243)$$

$$(6561 f(x) x^4 - 2916 f(x) x^3 + 486 f(x) x^2 - 36 f(x) x + f(x) - 486 x)$$

Sequence: A128969
Score: 7.36252
Type of gen. func.: ogf

$$\frac{486 x}{(-1 + 9 x)^4}$$

Sequence: A128985
Score: 25.9541
Type of gen. func.: lgdogf

$$- \frac{3 (2 x + 3)}{(x + 1) (2 x - 1)}$$

Sequence: A128985
Score: 4.13354
Type of gen. func.: ogf

$$\{(n + 2) a(n + 3) + (-10 - n) a(n + 2) + (-2 n - 6) a(n + 1), a(0) = 0,$$

$$a(1) = 16, a(2) = 144\}$$

Sequence: A128985
Score: 4.6163
Type of gen. func.: ogf

$$(7263 f(x) + 39878)$$

$$(16 f(x) x^4 - 32 f(x) x^3 + 24 f(x) x^2 - 8 f(x) x - 16 x^2 + f(x) - 16 x)$$

Sequence: A128985
Score: 9.03474
Type of gen. func.: ogf

$$16 x (x + 1)$$

$$\frac{}{(2 x - 1)^4}$$

Sequence: A128986
Score: 24.1126
Type of gen. func.: lgdogf

$$- \frac{27 (x + 1)}{(2 + 3 x) (-1 + 3 x)}$$

Sequence: A128986
Score: 3.97369
Type of gen. func.: ogf

$$\{(4 + 2 n) a(n + 3) + (-30 - 3 n) a(n + 2) + (-27 - 9 n) a(n + 1), a(0) = 0,$$
$$a(1) = 36, a(2) = 486\}$$

Sequence: A128986
Score: 4.40251
Type of gen. func.: ogf

$$(2421 f(x) + 19939)$$
$$(81 f(x) x^4 - 108 f(x) x^3 + 54 f(x) x^2 - 12 f(x) x - 54 x^2 + f(x) - 36 x)$$

Sequence: A128986
Score: 8.49929
Type of gen. func.: ogf

$$\frac{18 x (2 + 3 x)}{(-1 + 3 x)^4}$$

Sequence: A128987
Score: 20.9382
Type of gen. func.: lgdogf

$$- \frac{6 (4 x + 3)}{(2 x + 1) (-1 + 4 x)}$$

Sequence: A128987
Score: 3.70430
Type of gen. func.: ogf

$\{(n + 2) a(n + 3) + (-20 - 2 n) a(n + 2) + (-24 - 8 n) a(n + 1), a(0) = 0,$

$a(1) = 64, a(2) = 1152\}$

Sequence: A128987
Score: 4.0721
Type of gen. func.: ogf

$(7263 f(x) + 79756)$

$(256 f(x) x^4 - 256 f(x) x^3 + 96 f(x) x^2 - 16 f(x) x - 128 x^2 + f(x) - 64 x)$

Sequence: A128987
Score: 7.75900
Type of gen. func.: ogf

$$\frac{64 x (2 x + 1)}{(-1 + 4 x)^4}$$

Sequence: A128988
Score: 20.5537
Type of gen. func.: lgdogf

$$- \frac{15 (3 + 5 x)}{(5 x + 2) (5 x - 1)}$$

Sequence: A128988
Score: 3.58995
Type of gen. func.: ogf

$\{(4 + 2 n) a(n + 3) + (-50 - 5 n) a(n + 2) + (-75 - 25 n) a(n + 1), a(0) = 0,$

$a(1) = 100, a(2) = 2250\}$

Sequence: A128988
Score: 3.94142
Type of gen. func.: ogf

$$(7263 f(x) + 99695) (625 f(x) x^4 - 500 f(x) x^3 + 150 f(x) x^2 - 20 f(x) x - 250 x^2 + f(x) - 100 x)$$

Sequence: A128988
Score: 7.41608
Type of gen. func.: ogf

$$\frac{50 x (5 x + 2)}{(5 x - 1)^4}$$

Sequence: A128989
Score: 3.37459
Type of gen. func.: ogf

$$\{(n + 2) a(n + 3) + (-30 - 3 n) a(n + 2) + (-54 - 18 n) a(n + 1), a(0) = 0, a(1) = 144, a(2) = 3888\}$$

Sequence: A128989
Score: 3.67924
Type of gen. func.: ogf

$$(2421 f(x) + 39878) (1296 f(x) x^4 - 864 f(x) x^3 + 216 f(x) x^2 - 24 f(x) x - 432 x^2 + f(x) - 144 x)$$

Sequence: A128989
Score: 6.88065
Type of gen. func.: ogf

$$\frac{144 x (3 x + 1)}{(6 x - 1)^4}$$

Sequence: A128990
Score: 17.7248
Type of gen. func.: lgdogf

$$-\frac{21\,(3+7x)}{(7x+2)\,(7x-1)}$$

Sequence: A128990
Score: 3.19374
Type of gen. func.: ogf

$$\{(4+2n)\,a(n+3)+(-70-7n)\,a(n+2)+(-147-49n)\,a(n+1),\ a(0)=0,\ a(1)=196,\ a(2)=6174\}$$

Sequence: A128990
Score: 3.45624
Type of gen. func.: ogf

$$(7263\,f(x)+139573)\,(2401\,f(x)\,x^4-1372\,f(x)\,x^3+294\,f(x)\,x^2-28\,f(x)\,x-686\,x^2+f(x)-196\,x)$$

Sequence: A128990
Score: 6.46937
Type of gen. func.: ogf

$$\frac{98\,x\,(7x+2)}{(7x-1)^4}$$

Sequence: A128991
Score: 18.9974
Type of gen. func.: lgdogf

$$-\frac{12\,(3+8x)}{(1+4x)\,(8x-1)}$$

Sequence: A128991
Score: 3.32004

Type of gen. func.: ogf

$$\{(n + 2) a(n + 3) + (-40 - 4 n) a(n + 2) + (-96 - 32 n) a(n + 1), a(0) = 0, a(1) = 256, a(2) = 9216\}$$

Sequence: A128991
Score: 3.5459
Type of gen. func.: ogf

$$(7263 f(x) + 159512) (4096 f(x) x^4 - 2048 f(x) x^3 + 384 f(x) x^2 - 32 f(x) x - 1024 x^2 + f(x) - 256 x)$$

Sequence: A128991
Score: 6.59806
Type of gen. func.: ogf

$$\frac{256 x (1 + 4 x)}{(8 x - 1)^4}$$

Sequence: A128992
Score: 17.0507
Type of gen. func.: lgdogf

$$- \frac{81 (3 x + 1)}{(2 + 9 x) (-1 + 9 x)}$$

Sequence: A128992
Score: 2.94650
Type of gen. func.: ogf

$$\{(4 + 2 n) a(n + 3) + (-90 - 9 n) a(n + 2) + (-243 - 81 n) a(n + 1), a(0) = 0, a(1) = 324, a(2) = 13122\}$$

Sequence: A128992
Score: 3.23098
Type of gen. func.: ogf

$$(807 f(x) + 19939) (6561 f(x) x^4 - 2916 f(x) x^3 + 486 f(x) x^2 - 36 f(x) x - 1458 x^2 + f(x) - 324 x)$$

Sequence: A128992
Score: 5.93029
Type of gen. func.: ogf

$$\frac{162 x (2 + 9 x)}{(-1 + 9 x)^4}$$

Sequence: A128999
Score: 10.3260
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3), a(0) = 1, a(1) = 3, a(2) = 4, a(3) = 5\}$$

Sequence: A128999
Score: 11.8011
Type of gen. func.: ogf

$$(26 f(x) - 3) (x^3 + f(x) x + x^2 - f(x) + 2 x + 1)$$

Sequence: A128999
Score: 18.7036
Type of gen. func.: ogf

$$- \frac{x^3 + x^2 + 2 x + 1}{x - 1}$$

Sequence: A128999
Score: 23.1590
Type of gen. func.: lgdogf

$$\frac{2 x^3 - 2 x^2 - 2 x - 3}{(x - 1) (x^3 + x^2 + 2 x + 1)}$$

Sequence: A129000
Score: 11.1551
Type of gen. func.: ogf

$$-\frac{3x^4+3x^3+3x^2+3x+1}{(x-1)(x+1)}$$

Sequence: A129000
Score: 6.71374
Type of gen. func.: ogf

{-a(n + 5) + a(n + 3), a(0) = 1, a(1) = 3, a(2) = 4, a(3) = 6, a(4) = 7}

Sequence: A129000
Score: 7.39882
Type of gen. func.: ogf

$$-(418 f(x) + 69) (3 x^4 + f(x) x^2 + 3 x^3 + 3 x^2 - f(x) + 3 x + 1)$$

Sequence: A129000
Score: 9.69187
Type of gen. func.: lgdogf

$$\frac{6x^5+3x^4-12x^3-12x^2-8x-3}{(x-1)(x+1)(3x^4+3x^3+3x^2+3x+1)}$$

Sequence: A129002
Score: 22.5869
Type of gen. func.: lgdogf

$$-\frac{12(2x+1)}{(1+4x)(2x-1)}$$

Sequence: A129002

Score: 4.18925
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-8 + 2 n) a(n + 2) + (-32 - 8 n) a(n + 1), a(0) = 4,

a(1) = 48, a(2) = 288}

Sequence: A129002
Score: 4.81451
Type of gen. func.: ogf

$$(13149 f(x) + 105796)$$

$$(16 f(x) x^4 - 32 f(x) x^3 + 24 f(x) x^2 - 8 f(x) x + f(x) - 16 x - 4)$$

Sequence: A129002
Score: 9.92529
Type of gen. func.: ogf

$$\frac{4 (1 + 4 x)}{(2 x - 1)^4}$$

Sequence: A129003
Score: 22.5520
Type of gen. func.: lgdogf

$$- \frac{18 (3 x + 1)}{(6 x + 1) (-1 + 3 x)}$$

Sequence: A129003
Score: 3.95594
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-12 + 3 n) a(n + 2) + (-72 - 18 n) a(n + 1), a(0) = 6,

a(1) = 108, a(2) = 972}

Sequence: A129003
Score: 4.63494
Type of gen. func.: ogf

```
(4383 f(x) + 52898)

              4              3             2
    (81 f(x) x  - 108 f(x) x  + 54 f(x) x  - 12 f(x) x + f(x) - 36 x - 6)



--------------------------------------------------------------------------------

Sequence:  A129003
Score: 9.26988
Type of gen. func.: ogf

                                  6 (6 x + 1)
                                  -----------
                                            4
                                  (-1 + 3 x)



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Sequence:  A129004
Score: 19.0550
Type of gen. func.: lgdogf

                                   24 (1 + 4 x)
                             - --------------------
                               (8 x + 1) (-1 + 4 x)



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Sequence:  A129004
Score: 3.30847
Type of gen. func.: ogf


{(n + 3) a(n + 3) + (-16 + 4 n) a(n + 2) + (-128 - 32 n) a(n + 1), a(0) = 8,

    a(1) = 192, a(2) = 2304}



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Sequence:  A129004
Score: 3.83976
Type of gen. func.: ogf


(13149 f(x) + 211592)

               4              3             2
    (256 f(x) x  - 256 f(x) x  + 96 f(x) x  - 16 f(x) x + f(x) - 64 x - 8)



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Sequence:  A129004
Score: 7.73599
Type of gen. func.: ogf

                                  8 (8 x + 1)
                                  -----------
                                            4
```

$$(-1 + 4 x)$$

Sequence: A129005
Score: 20.7162
Type of gen. func.: lgdogf

$$- \frac{30 (5 x + 1)}{(10 x + 1) (5 x - 1)}$$

Sequence: A129005
Score: 3.77492
Type of gen. func.: ogf

$$\{(n + 2) a(n + 3) + (-25 + 5 n) a(n + 2) + (-150 - 50 n) a(n + 1), a(0) = 0,$$

$$a(1) = 10, a(2) = 300\}$$

Sequence: A129005
Score: 4.17651
Type of gen. func.: ogf

$$(2565 f(x) + 6151) ($$

$$625 f(x) x^4 - 500 f(x) x^3 + 150 f(x) x^2 - 20 f(x) x - 100 x^2 + f(x) - 10 x)$$

Sequence: A129005
Score: 7.85184
Type of gen. func.: ogf

$$\frac{10 x (10 x + 1)}{(5 x - 1)^4}$$

Sequence: A129006
Score: 19.1242
Type of gen. func.: lgdogf

$$- \frac{36 (6 x + 1)}{(12 x + 1) (6 x - 1)}$$

Sequence: A129006
Score: 3.41756
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-24 + 6 n) a(n + 2) + (-288 - 72 n) a(n + 1), a(0) = 12, a(1) = 432, a(2) = 7776\}$$

Sequence: A129006
Score: 3.90579
Type of gen. func.: ogf

$$(4383 f(x) + 105796) (1296 f(x) x^4 - 864 f(x) x^3 + 216 f(x) x^2 - 24 f(x) x + f(x) - 144 x - 12)$$

Sequence: A129006
Score: 7.59458
Type of gen. func.: ogf

$$\frac{12 (12 x + 1)}{(6 x - 1)^4}$$

Sequence: A129007
Score: 17.9228
Type of gen. func.: lgdogf

$$- \frac{42 (7 x + 1)}{(14 x + 1) (7 x - 1)}$$

Sequence: A129007
Score: 3.18589
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-28 + 7 n) a(n + 2) + (-392 - 98 n) a(n + 1), a(0) = 14, a(1) = 588, a(2) = 12348\}$$

Sequence: A129007
Score: 3.61218

Type of gen. func.: ogf

$$(13149 f(x) + 370286) (2401 f(x) x^4 - 1372 f(x) x^3 + 294 f(x) x^2 - 28 f(x) x + f(x) - 196 x - 14)$$

Sequence: A129007
Score: 7.02642
Type of gen. func.: ogf

$$\frac{14 (14 x + 1)}{(7 x - 1)^4}$$

Sequence: A129008
Score: 18.7150
Type of gen. func.: lgdogf

$$- \frac{48 (8 x + 1)}{(16 x + 1) (8 x - 1)}$$

Sequence: A129008
Score: 3.30315
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-32 + 8 n) a(n + 2) + (-512 - 128 n) a(n + 1), a(0) = 16, a(1) = 768, a(2) = 18432\}$$

Sequence: A129008
Score: 3.76838
Type of gen. func.: ogf

$$(13149 f(x) + 423184) (4096 f(x) x^4 - 2048 f(x) x^3 + 384 f(x) x^2 - 32 f(x) x + f(x) - 256 x - 16)$$

Sequence: A129008
Score: 7.33027
Type of gen. func.: ogf

$$\frac{16\,(16\,x + 1)}{(8\,x - 1)^{4}}$$

Sequence: A129009
Score: 16.6352
Type of gen. func.: lgdogf

$$-\frac{54\,(9\,x + 1)}{(18\,x + 1)\,(-1 + 9\,x)}$$

Sequence: A129009
Score: 2.94208
Type of gen. func.: ogf

$$\{(n + 3)\,a(n + 3) + (-36 + 9\,n)\,a(n + 2) + (-648 - 162\,n)\,a(n + 1),\ a(0) = 18,\ a(1) = 972,\ a(2) = 26244\}$$

Sequence: A129009
Score: 3.40441
Type of gen. func.: ogf

$$(1461\,f(x) + 52898)\,(6561\,f(x)\,x^{4} - 2916\,f(x)\,x^{3} + 486\,f(x)\,x^{2} - 36\,f(x)\,x + f(x) - 324\,x - 18)$$

Sequence: A129009
Score: 6.52900
Type of gen. func.: ogf

$$\frac{18\,(18\,x + 1)}{(-1 + 9\,x)^{4}}$$

Sequence: A129026
Score: 21.1030
Type of gen. func.: lgdogf

$$-\frac{4\,(3\,x^{2} - 7\,x + 9)}{}$$

$$(x - 1) (4 x^2 - 9 x + 9)$$

Sequence: A129026
Score: 3.74008
Type of gen. func.: ogf

$$\{(27 + 9 n) a(n + 4) + (-72 - 18 n) a(n + 3) + (41 + 13 n) a(n + 2) + (-12 - 4 n) a(n + 1), a(0) = 0, a(1) = 27, a(2) = 108, a(3) = 282\}$$

Sequence: A129026
Score: 8.95880
Type of gen. func.: ogf

$$- \frac{3 x (4 x^2 - 9 x + 9)}{(x - 1)^5}$$

Sequence: A129027
Score: 17.0136
Type of gen. func.: lgdogf

$$- \frac{2 (x^3 + 3 x^2 + 11 x + 25)}{(x - 1) (x^3 + x^2 + 5 x + 9)}$$

Sequence: A129027
Score: 3.89229
Type of gen. func.: ogf

$$\{(-43 n^2 - 396 n - 620) a(n + 1) + (196 n^2 + 1277 n + 981) a(n + 2) + (-153 n^2 - 441 n - 270) a(n + 3), a(0) = 0, a(1) = 108, a(2) = 600\}$$

Sequence: A129027
Score: 7.90622
Type of gen. func.: ogf

3 2

$$-\frac{12 x (x + x + 5 x + 9)}{(x - 1)^{5}}$$

Sequence: A129028
Score: 17.2311
Type of gen. func.: lgdogf

$$-\frac{2 (x^{3} + 3 x^{2} + 11 x + 25)}{(x - 1) (x^{3} + x^{2} + 5 x + 9)}$$

Sequence: A129028
Score: 3.96261
Type of gen. func.: ogf

$$\{(-43 n^{2} - 396 n - 620) a(n + 1) + (196 n^{2} + 1277 n + 981) a(n + 2)$$

$$+ (-153 n^{2} - 441 n - 270) a(n + 3), a(0) = 0, a(1) = 27, a(2) = 150\}$$

Sequence: A129028
Score: 8.26609
Type of gen. func.: ogf

$$-\frac{3 x (x^{3} + x^{2} + 5 x + 9)}{(x - 1)^{5}}$$

Sequence: A129029
Score: 15.7700
Type of gen. func.: lgdogf

$$-\frac{2 (5 x^{3} + 6 x^{2} + 45 x + 24)}{(x - 1) (5 x^{3} - x^{2} + 23 x + 5)}$$

Sequence: A129029
Score: 3.85822

Type of gen. func.: ogf

$$\{(-67 n^2 - 1790 n - 3312) a(n + 1) + (1858 n^2 + 14884 n + 20946) a(n + 2) + (-1791 n^2 - 6198 n - 5232) a(n + 3), a(0) = 0, a(1) = 30, a(2) = 288\}$$

Sequence: A129029
Score: 8.24440
Type of gen. func.: ogf

$$-\frac{6 x (5 x^3 - x^2 + 23 x + 5)}{(x - 1)^5}$$

Sequence: A129086
Score: 6.03509
Type of gen. func.: ogf

$$3 f(x)^2 x^2 - f(x)^2 x + 4 f(x) x^2 - 4 f(x) x + f(x) + 3 x - 1$$

Sequence: A129086
Score: 9.91121
Type of gen. func.: revogf

$$-\frac{-1 - 4 x + 3 x^2 + (9 x^4 - 8 x^3 + 6 x^2 - 4 x + 1)^{1/2}}{2 (4 x + 3)}$$

Sequence: A129109
Score: 12.9035
Type of gen. func.: ogf

$$-\frac{4 x^2 + x + 7}{(x - 1)^3}$$

Sequence: A129109
Score: 22.0564

Type of gen. func.: lgdogf

$$-\frac{2\,(2 x^2 + 5 x + 11)}{(x - 1)\,(4 x^2 + x + 7)}$$

Sequence: A129109
Score: 6.72745
Type of gen. func.: ogf

$$(1264 f(x) - 4663)\,(f(x)\,x^3 - 3 f(x)\,x^2 + 3 f(x)\,x + 4 x^2 - f(x) + x + 7)$$

Sequence: A129109
Score: 6.90449
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n),\ a(0) = 7,\ a(1) = 22,\ a(2) = 49\}$$

Sequence: A129110
Score: 10.4682
Type of gen. func.: lgdogf

$$-\frac{-3\,(4 x^2 + 1)^{1/2} + 5 x\,(4 x^2 + 1)^{1/2} + 3 - x - 2 x^2}{2 x\,(x - 1)\,(4 x^2 + 1)^{1/2}}$$

Sequence: A129111
Score: 12.9484
Type of gen. func.: ogf

$$-\frac{5 x^2 + 2 x + 8}{(x - 1)^3}$$

Sequence: A129111
Score: 21.5224
Type of gen. func.: lgdogf

$$-\frac{5 x^2 + 14 x + 26}{(x - 1) (5 x^2 + 2 x + 8)}$$

Sequence: A129111
Score: 6.86878
Type of gen. func.: ogf

$$(20725 f(x) - 96599) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 5 x^2 - f(x) + 2 x + 8)$$

Sequence: A129111
Score: 6.92853
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 8, a(1) = 26, a(2) = 59\}$$

Sequence: A129113
Score: 12.9194
Type of gen. func.: ogf

$$\frac{x^3}{x^4 - x^3 - 5 x^2 - x + 1}$$

Sequence: A129113
Score: 14.6438
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 3 x^2 - 10 x - 1}{x^4 - x^3 - 5 x^2 - x + 1}$$

Sequence: A129113
Score: 6.39446
Type of gen. func.: ogf

$$-f(x) x^4 + f(x) x^3 + 5 f(x) x^2 + x^3 + f(x) x - f(x)$$

Sequence: A129126
Score: 4.14093
Type of gen. func.: ogf

$$\frac{(-2 + x) (2 x^5 - 14 x^4 + 35 x^3 - 32 x^2 - x + 11)}{(x - 1)^9}$$

Sequence: A129126
Score: 6.59168
Type of gen. func.: lgdogf

$$- \frac{6 x^6 - 60 x^5 + 225 x^4 - 360 x^3 + 135 x^2 + 230 x - 185}{(x - 1) (-2 + x) (2 x^5 - 14 x^4 + 35 x^3 - 32 x^2 - x + 11)}$$

Sequence: A129135
Score: 3.98256
Type of gen. func.: ogf

$\{(n^2 + 15 n + 56) a(n + 1) + (n^2 + 10 n + 16) a(n + 2) + (-3 - n) a(n + 3),$

$a(0) = 1, a(1) = 0, a(2) = 21\}$

Sequence: A129136
Score: 3.17941
Type of gen. func.: ogf

$\{(n^2 + 17 n + 72) a(n + 1) + (n^2 + 11 n + 18) a(n + 2) + (-3 - n) a(n + 3),$

$a(0) = 1, a(1) = 0, a(2) = 28\}$

Sequence: A129147
Score: 14.2447
Type of gen. func.: ogf

$$-2 f(x)^2 x^2 - f(x)^2 x + f(x) - 1$$

Sequence: A129147
Score: 4.18129
Type of gen. func.: ogf

$$\{(-16 n - 32) a(n + 1) + (-16 n - 44) a(n + 2) + (-2 n - 4) a(n + 3) + (n + 5) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 13\}$$

Sequence: A129147
Score: 45.9587
Type of gen. func.: revogf

$$-\frac{x (x - 1)}{2 x^2 + 1}$$

Sequence: A129148
Score: 26.9440
Type of gen. func.: revogf

$$-\frac{x (x - 1)}{2 x^2 + x + 1}$$

Sequence: A129148
Score: 7.1566
Type of gen. func.: ogf

$$-2 f(x)^2 x^2 - f(x)^2 x - f(x) x + f(x) - 1$$

Sequence: A129149
Score: 3.23041
Type of gen. func.: ogf

$$\{(n^2 + 19 n + 90) a(n + 1) + (n^2 + 12 n + 20) a(n + 2) + (-3 - n) a(n + 3), a(0) = 1, a(1) = 0, a(2) = 36\}$$

Sequence: A129153

Score: 3.32984
Type of gen. func.: ogf

$$\{(n^2 + 21 n + 110) a(n + 1) + (n^2 + 13 n + 22) a(n + 2) + (-3 - n) a(n + 3),$$
$$a(0) = 1, a(1) = 0, a(2) = 45\}$$

Sequence: A129160
Score: 7.74172
Type of gen. func.: ogf

$$-5 f(x)^2 x^2 + f(x)^2 x + 10 f(x) x^2 - 12 f(x) x - x^2 + 2 f(x) + 3 x - 2$$

Sequence: A129164
Score: 3.85628
Type of gen. func.: ogf

$$\{(5 n + 15) a(n + 1) + (-11 n - 41) a(n + 2) + (7 n + 31) a(n + 3)$$
$$+ (-n - 5) a(n + 4), a(0) = 1, a(1) = 5, a(2) = 22, a(3) = 97\}$$

Sequence: A129164
Score: 5.90127
Type of gen. func.: ogf

$$5 f(x)^2 x^4 - 11 f(x)^2 x^3 + 7 f(x)^2 x^2 - f(x)^2 x - 5 f(x) x^2 + 6 f(x) x - f(x)$$
$$+ 1$$

Sequence: A129166
Score: 3.01508
Type of gen. func.: ogf

$$f(x)^2 x^4 - 3 f(x)^2 x^3 + f(x) x^4 + 4 f(x)^2 x^2 - 2 f(x) x^3 - x^4 - 3 f(x)^2 x$$
$$+ 3 f(x) x^2 + 5 x^3 - 4 f(x) x - 9 x^2 + 2 f(x) + 7 x - 2$$

Sequence: A129167
Score: 4.60700
Type of gen. func.: ogf

$$\{(5 n + 15) a(n + 1) + (-16 n - 52) a(n + 2) + (13 n + 49) a(n + 3) + (-2 n - 10) a(n + 4), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 9\}$$

Sequence: A129167
Score: 8.19475
Type of gen. func.: ogf

$$f(x)^2 x^3 - 3 f(x)^2 x^2 + 2 f(x)^2 x - 2 f(x) x^2 + 3 f(x) x - f(x) + x$$

Sequence: A129169
Score: 4.88149
Type of gen. func.: ogf

$$-f(x)^2 x^3 + 2 f(x)^2 x^2 + 2 f(x) x^3 - 4 f(x) x^2 - x^3 + 5 f(x) x + 2 x^2 - f(x)$$

Sequence: A129169
Score: 6.03829
Type of gen. func.: lgdogf

$$- \frac{5 x - 4 + 2 (x - 1)^{1/2} (5 x - 1)^{1/2} x - 4 (x - 1)^{1/2} (5 x - 1)^{1/2}}{(5 x - 1)^{1/2} (x - 1)^{1/2} (-2 + x) x}$$

Sequence: A129171
Score: 3.68238
Type of gen. func.: ogf

$$\{25 a(n) n + (-35 n - 20) a(n + 1) + (11 n + 14) a(n + 2) + (-n - 2) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 6\}$$

Sequence: A129171
Score: 4.16691
Type of gen. func.: ogf

$$-25 f(x)^2 x^3 + 35 f(x)^2 x^2 - 15 f(x) x^3 - 11 f(x)^2 x + 18 f(x) x^2 - x^3 + f(x)^2 - 3 f(x) x + 2 x^2$$

Sequence: A129173
Score: 3.95653
Type of gen. func.: ogf

$$25 f(x)^2 x^3 - 10 f(x)^2 x^2 - 15 f(x) x^3 + f(x)^2 x - 7 f(x) x^2 + x^3 + 7 f(x) x + 2 x^2 - f(x) + x$$

Sequence: A129194
Score: 11.7407
Type of gen. func.: lgdogf

$$- \frac{2 (x^5 + 3 x^4 + 14 x^3 + 8 x^2 + 9 x + 1)}{(x - 1) (x + 1) (x^4 + 2 x^3 + 6 x^2 + 2 x + 1)}$$

Sequence: A129194
Score: 6.36459
Type of gen. func.: ogf

$$\{(n^2 + 6 n + 9) a(n + 1) + (-n^2 - 2 n - 1) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A129194
Score: 9.80895
Type of gen. func.: ogf

$$- \frac{x (x^4 + 2 x^3 + 6 x^2 + 2 x + 1)}{(x - 1)^3 (x + 1)^3}$$

Sequence: A129197
Score: 5.49388
Type of gen. func.: lgdogf

$$- (x^{10} + 24 x^9 + 9 x^8 + 16 x^7 + 15 x^6 + 72 x^5 + 5 x^4 + 48 x^3 + 9 x^2 + 8 x + 3)$$

$$/ ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^5 + 12 x^4 + 3 x^3 + 4 x^2 + 3 x + 12))$$

Sequence: A129197
Score: 9.75081
Type of gen. func.: ogf

$$-\frac{x^5 + 12 x^4 + 3 x^3 + 4 x^2 + 3 x + 12}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A129203
Score: 10.3790
Type of gen. func.: ogf

$$-\frac{x^5 + 6 x^4 + 3 x^3 + 2 x^2 + 3 x + 6}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A129203
Score: 5.78084
Type of gen. func.: lgdogf

$$- (x^{10} + 12 x^9 + 9 x^8 + 8 x^7 + 15 x^6 + 36 x^5 + 5 x^4 + 24 x^3 + 9 x^2 + 4 x + 3)$$

$$/ ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^5 + 6 x^4 + 3 x^3 + 2 x^2 + 3 x + 6))$$

Sequence: A129204
Score: 5.05052
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^6 - x^4 + 24 x^3 - x^2 + 1)}{(x - 1)^4 (x + 1)^4}$$

Sequence: A129204
Score: 5.31470
Type of gen. func.: lgdogf

$$-\frac{x^{8} + 8 x^{7} + 76 x^{6} + 88 x^{5} + 230 x^{4} + 88 x^{3} + 76 x^{2} + 8 x + 1}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{6} - x^{4} + 24 x^{3} - x^{2} + 1)}$$

Sequence: A129217
Score: 2.96576
Type of gen. func.: ogf

$$\{(n^{2} + 23 n + 132) a(n + 1) + (n^{2} + 14 n + 24) a(n + 2) + (-3 - n) a(n + 3),$$

$$a(0) = 1, a(1) = 0, a(2) = 55\}$$

Sequence: A129218
Score: 3.03203
Type of gen. func.: ogf

$$\{(n^{2} + 25 n + 156) a(n + 1) + (n^{2} + 15 n + 26) a(n + 2) + (-3 - n) a(n + 3),$$

$$a(0) = 1, a(1) = 0, a(2) = 66\}$$

Sequence: A129238
Score: 3.11487
Type of gen. func.: ogf

$$\{(n^{2} + 27 n + 182) a(n + 1) + (n^{2} + 16 n + 28) a(n + 2) + (-3 - n) a(n + 3),$$

$$a(0) = 1, a(1) = 0, a(2) = 78\}$$

Sequence: A129254
Score: 12.6824
Type of gen. func.: ogf

$$\frac{28 x^{2} + 53 x + 27}{{}^{2}}$$

$$(x + 1) (x - 1)$$

Sequence: A129254
Score: 14.4792
Type of gen. func.: lgdogf

$$- \frac{2 (14 x^3 + 67 x^2 + 95 x + 40)}{(x - 1) (x + 1) (28 x^2 + 53 x + 27)}$$

Sequence: A129254
Score: 6.39112
Type of gen. func.: ogf

$$(6781536 f(x) - 13898347)$$

$$(f(x) x^3 - f(x) x^2 - f(x) x - 28 x^2 + f(x) - 53 x - 27)$$

Sequence: A129254
Score: 6.99717
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 27, a(1) = 80, a(2) = 135\}$$

Sequence: A129255
Score: 3.13144
Type of gen. func.: ogf

$$\{(n^2 + 29 n + 210) a(n + 1) + (n^2 + 17 n + 30) a(n + 2) + (-3 - n) a(n + 3),$$

$$a(0) = 1, a(1) = 0, a(2) = 91\}$$

Sequence: A129288
Score: 6.58444
Type of gen. func.: ogf

$$\frac{x (20 x^5 + x^4 + 20 x^3 - 84 x^2 - 3 x - 36)}{(x - 1) (x^6 - 6 x^3 + 1)}$$

Sequence: A129289
Score: 7.02431
Type of gen. func.: ogf

$$\frac{x (28 x^5 + 17 x^4 + 28 x^3 - 124 x^2 - 51 x - 44)}{(x - 1) (x^6 - 6 x^3 + 1)}$$

Sequence: A129298
Score: 6.34688
Type of gen. func.: ogf

$$\frac{x (33 x^5 + 23 x^4 + 33 x^3 - 147 x^2 - 69 x - 51)}{(x - 1) (x^6 - 6 x^3 + 1)}$$

Sequence: A129323
Score: 17.3442
Type of gen. func.: lgdegf]

$$(-n - 2) a(n + 2) + a(n + 1), a(0) = 2, a(1) = 2$$

Sequence: A129324
Score: 17.0866
Type of gen. func.: lgdegf]

$$(-n - 2) a(n + 2) + a(n + 1), a(0) = 2, a(1) = 2$$

Sequence: A129325
Score: 16.8290
Type of gen. func.: lgdegf]

$$(-n - 2) a(n + 2) + a(n + 1), a(0) = 2, a(1) = 2$$

Sequence: A129326
Score: 16.4856
Type of gen. func.: egf]

$$-\frac{x-3}{(x-1)^2}$$

Sequence: A129326
Score: 38.3940
Type of gen. func.: lgdegf]

$$-\frac{-5+x}{(x-1)(x-3)}$$

Sequence: A129326
Score: 4.36382
Type of gen. func.: ogf

$$\{(-n^2 - 4 n - 4) a(n + 1) + (-6 n^2 - 41 n - 68) a(n + 2) + (6 n + 18) a(n + 3),$$

$$a(0) = 3, a(1) = 5, a(2) = 14\}$$

Sequence: A129326
Score: 8.62617
Type of gen. func.: egf]

$$(4 f(x) + 13) (f(x) x^2 - 2 f(x) x + f(x) + x - 3)$$

Sequence: A129327
Score: 15.0619
Type of gen. func.: lgdegf]

$$(-n - 2) a(n + 2) + a(n + 1), a(0) = 3, a(1) = 3$$

Sequence: A129328
Score: 16.5757
Type of gen. func.: lgdegf]

$$(-n - 2) a(n + 2) + a(n + 1), a(0) = 3, a(1) = 3$$

Sequence: A129329
Score: 16.4066
Type of gen. func.: lgdegf]

$$(-n - 2) a(n + 2) + a(n + 1), a(0) = 3, a(1) = 3$$

Sequence: A129331
Score: 16.2269
Type of gen. func.: lgdegf]

$$(-n - 2) a(n + 2) + a(n + 1), a(0) = 4, a(1) = 4$$

Sequence: A129332
Score: 16.1437
Type of gen. func.: lgdegf]

$$(-n - 2) a(n + 2) + a(n + 1), a(0) = 4, a(1) = 4$$

Sequence: A129333
Score: 15.0619
Type of gen. func.: lgdegf]

$$(-n - 2) a(n + 2) + a(n + 1), a(0) = 4, a(1) = 4$$

Sequence: A129339
Score: 10.2868
Type of gen. func.: ogf

$$\frac{(x - 1)^3}{(2 x - 1) (3 x^2 - 3 x + 1)}$$

Sequence: A129339
Score: 16.5668
Type of gen. func.: lgdogf

$$\frac{9 x^2 - 8 x + 2}{(x - 1) (2 x - 1) (3 x^2 - 3 x + 1)}$$

Sequence: A129339
Score: 5.37721
Type of gen. func.: ogf

{-a(n + 4) + 5 a(n + 3) - 9 a(n + 2) + 6 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 4,

a(3) = 7}

Sequence: A129339
Score: 5.91493
Type of gen. func.: ogf

$$(5 f(x) + 11) (6 f(x) x^3 - 9 f(x) x^2 - x^3 + 5 f(x) x + 3 x^2 - f(x) - 3 x + 1)$$

Sequence: A129345
Score: 10.4726
Type of gen. func.: lgdogf

$$-\frac{(x^2 - 3) (x^4 - 18 x^2 - 8 x - 3)}{(x^2 + 2 x - 1) (x^2 - 2 x - 1) (x^3 - 9 x - 2)}$$

Sequence: A129345
Score: 13.6048
Type of gen. func.: ogf

$$-\frac{x^3 - 9 x - 2}{(x^2 + 2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A129345
Score: 7.83306
Type of gen. func.: ogf

$$(2588 f(x) - 4259) (f(x) x^4 - 6 f(x) x^2 + x^3 + f(x) - 9 x - 2)$$

Sequence: A129346

Score: 11.8780
Type of gen. func.: ogf

$$-\frac{x^3 + 2x^2 - 5x - 4}{(x^2 + 2x - 1)(x^2 - 2x - 1)}$$

Sequence: A129346
Score: 7.21562
Type of gen. func.: ogf

$$(2588 f(x) - 2187)(f(x) x^4 - 6 f(x) x^2 + x^3 + 2x^2 + f(x) - 5x - 4)$$

Sequence: A129346
Score: 8.10424
Type of gen. func.: lgdogf

$$-\frac{x^6 + 4x^5 - 9x^4 - 16x^3 + 27x^2 + 44x + 5}{(x^2 + 2x - 1)(x^2 - 2x - 1)(x^3 + 2x^2 - 5x - 4)}$$

Sequence: A129361
Score: 10.0624
Type of gen. func.: lgdogf

$$-\frac{3x^8 + 2x^7 + 6x^5 + 7x^4 + 2x^3 - 4x - 1}{(x + 1)(x^2 - x + 1)(x^2 + x - 1)(x^4 + x^2 - 1)}$$

Sequence: A129361
Score: 10.8131
Type of gen. func.: ogf

$$\frac{(x + 1)(x^2 - x + 1)}{(x^2 + x - 1)(x^4 + x^2 - 1)}$$

Sequence: A129362
Score: 6.72682
Type of gen. func.: lgdogf

$$-\frac{24 x^8 + 8 x^7 + 24 x^5 + 16 x^4 + 4 x^3 - 3 x^2 - 6 x - 1}{(2 x - 1) (x + 1) (2 x^2 - 1) (2 x^3 + 1) (x^2 + 1)}$$

Sequence: A129362
Score: 8.47970
Type of gen. func.: ogf

$$\frac{2 x^3 + 1}{(x + 1) (2 x - 1) (x^2 + 1) (2 x^2 - 1)}$$

Sequence: A129366
Score: 5.61726
Type of gen. func.: revogf

$$\frac{x (x^{12} + 2 x^{10} - 7 x^8 - 6 x^6 + 5 x^4 + 5 x^2 + 1)}{(x^6 - x^4 - 2 x^3 - 3 x^2 - x - 1) (x^7 + x^6 + 3 x^5 - 3 x^4 + x^3 - 4 x^2 - 1)}$$

Sequence: A129370
Score: 10.7219
Type of gen. func.: lgdogf

$$-\frac{4 (3 x^4 + 5 x^3 + 8 x^2 + 4 x + 1)}{(x - 1) (x + 1) (4 x^3 + 5 x^2 + 4 x + 1)}$$

Sequence: A129370
Score: 8.50214
Type of gen. func.: ogf

$$-\frac{x (4 x^3 + 5 x^2 + 4 x + 1)}{(x - 1)^3 (x + 1)^3}$$

Sequence: A129371
Score: 10.8286
Type of gen. func.: lgdogf

$$-\frac{16 x^4 + 29 x^3 + 41 x^2 + 21 x + 5}{(x - 1) (x + 1) (4 x^3 + 5 x^2 + 4 x + 1)}$$

Sequence: A129371
Score: 6.49946
Type of gen. func.: ogf

$$\frac{x (4 x^3 + 5 x^2 + 4 x + 1)}{(x + 1)^3 (x - 1)^4}$$

Sequence: A129393
Score: 12.8934
Type of gen. func.: lgdogf

$$-\frac{16 x^4 - 56 x^3 + 3 x^2 + 10 x - 5}{(x - 1) (4 x^2 + 3 x + 1) (4 x^2 - 7 x - 1)}$$

Sequence: A129393
Score: 12.8970
Type of gen. func.: ogf

$$\frac{4 x^2 - 7 x - 1}{(x - 1) (4 x^2 + 3 x + 1)}$$

Sequence: A129393
Score: 6.901
Type of gen. func.: ogf

$$(77 f(x) - 152) (4 f(x) x^3 - f(x) x^2 - 2 f(x) x - 4 x^2 - f(x) + 7 x + 1)$$

Sequence: A129393
Score: 6.96208
Type of gen. func.: ogf

$$\{a(n + 3) + 2 a(n + 2) + a(n + 1) - 4 a(n), a(0) = 1, a(1) = 5, a(2) = -15\}$$

Sequence: A129395
Score: 10.1497
Type of gen. func.: lgdogf

$$-\frac{32 x^6 - 204 x^5 + 33 x^4 - 38 x^3 - 96 x^2 + 10 x + 7}{(x - 1) (4 x^2 + 3 x + 1) (4 x^4 - 17 x^3 - x - 2)}$$

Sequence: A129395
Score: 8.07517
Type of gen. func.: ogf

$$-\frac{2 x (4 x^4 - 17 x^3 - x - 2)}{(x - 1)^2 (4 x^2 + 3 x + 1)^2}$$

Sequence: A129397
Score: 7.26885
Type of gen. func.: ogf

$$\frac{(x + 1) (8 x^4 - 6 x^3 + x^2 + 12 x + 1)}{(x - 1)^2 (4 x^2 + 3 x + 1)^2}$$

Sequence: A129397
Score: 8.41199
Type of gen. func.: lgdogf

$$-\frac{32 x^7 + 24 x^6 - 12 x^5 + 261 x^4 + 232 x^3 - 30 x^2 - 4 x + 9}{(x - 1) (x + 1) (4 x^2 + 3 x + 1) (8 x^4 - 6 x^3 + x^2 + 12 x + 1)}$$

Sequence: A129400
Score: 3.77793
Type of gen. func.: ogf

$\{(-12 n - 24) a(n + 1) + (-4 n - 14) a(n + 2) + (n + 5) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 8\}$

Sequence: A129400
Score: 37.7107
Type of gen. func.: revogf

$$\frac{x}{4 x^2 + 2 x + 1}$$

Sequence: A129400
Score: 9.79703
Type of gen. func.: ogf

$$4 f(x)^2 x^2 + 2 f(x) x - f(x) + 1$$

Sequence: A129428
Score: 13.0574
Type of gen. func.: ogf

$$-\frac{x^2 + 45 x + 1}{(x - 1)^3}$$

Sequence: A129428
Score: 24.0819
Type of gen. func.: lgdogf

$$-\frac{x^2 + 92 x + 48}{(x - 1) (x^2 + 45 x + 1)}$$

Sequence: A129428
Score: 6.91931
Type of gen. func.: ogf

$$(117 f(x) - 3197) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 45 x + 1)$$

Sequence: A129428
Score: 7.03963
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 48, a(2) = 142\}$$

Sequence: A129441
Score: 7.69942
Type of gen. func.: lgdogf

$$- \frac{3 x^8 + 4 x^7 - x^6 - 8 x^5 - 2 x^4 + 6 x^3 + 10 x^2 + 2 x + 1}{(x^2 + x + 1) (x^4 - x^3 - x^2 - 2 x + 1) (x^3 + x^2 - 1)}$$

Sequence: A129441
Score: 8.81793
Type of gen. func.: ogf

$$- \frac{x^3 + x^2 - 1}{(x^2 + x + 1) (x^4 - x^3 - x^2 - 2 x + 1)}$$

Sequence: A129442
Score: 3.18606
Type of gen. func.: ogf

$$\{(64 n^2 + 256 n + 252) a(n + 1) + (-28 n^2 - 154 n - 210) a(n + 2)$$

$$+ (3 n^2 + 21 n + 36) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A129442
Score: 32.2259
Type of gen. func.: revogf

$$-x (x - 1) (x^2 - x + 1)$$

Sequence: A129443
Score: 5.73800
Type of gen. func.: lgdogf

$$-\frac{1536 x^8 + 1280 x^7 + 128 x^6 - 448 x^5 - 128 x^4 + 48 x^3 + 52 x^2 + 4 x + 1}{(-1 + 4 x) (4 x^2 + 2 x + 1) (4 x^3 - x - 1) (8 x^3 + 4 x^2 - 1)}$$

Sequence: A129443
Score: 7.31246
Type of gen. func.: ogf

$$-\frac{8 x^3 + 4 x^2 - 1}{(-1 + 4 x) (4 x^2 + 2 x + 1) (4 x^3 - x - 1)}$$

Sequence: A129444
Score: 7.24360
Type of gen. func.: ogf

$$\frac{x (x^3 + 5 x^2 - x - 1)}{(x - 1) (x^4 - 10 x^2 + 1)}$$

Sequence: A129444
Score: 7.72953
Type of gen. func.: lgdogf

$$-\frac{2 (x^7 + 7 x^6 - 7 x^5 - 31 x^4 + 11 x^3 + 9 x^2 - 5 x - 1)}{(x - 1) (x^3 + 5 x^2 - x - 1) (x^4 - 10 x^2 + 1)}$$

Sequence: A129445
Score: 10.5129
Type of gen. func.: lgdogf

$$-\frac{x^{6}+4x^{5}+4x^{4}-4x^{3}+17x^{2}+16x+2}{(x-1)(x^{2}+3x+1)(x^{4}-10x^{2}+1)}$$

Sequence: A129445
Score: 11.5112
Type of gen. func.: ogf

$$-\frac{(x-1)(x^{2}+3x+1)}{x^{4}-10x^{2}+1}$$

Sequence: A129445
Score: 6.72339
Type of gen. func.: ogf

$$-(23760 f(x)-1973)(f(x)x^{4}-10 f(x)x^{2}+x^{3}+2x^{2}+f(x)-2x-1)$$

Sequence: A129447
Score: 5.17486
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^{7}+x^{6}+x^{5}-x^{4}+x^{2}-3x+1}{x^{8}-x^{7}+x^{6}+x^{2}-x+1}$$

Sequence: A129449
Score: 6.92192
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^{11}-x^{10}-2x^{8}-x^{7}-x^{6}-x^{4}-x^{3}-2x^{2}-1}{x^{12}-1}$$

Sequence: A129452
Score: 6.18208
Type of gen. func.: ogf

$$-\frac{27 x^3 + 9 x^2 - 1}{(81 x^4 - 9 x^3 - 9 x^2 - 4 x + 1) (9 x^2 + 3 x + 1)}$$

Sequence: A129458
Score: 4.63251
Type of gen. func.: egf]

$$\{(n^3 + n^2) a(n) + (-2 n^2 - 4 n - 3) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A129464
Score: 3.85682
Type of gen. func.: ogf

$$\{(2 n^3 + 4 n^2) a(n) + (-n^3 - 6 n^2 - 13 n - 6) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = -2\}$$

Sequence: A129507
Score: 10.4271
Type of gen. func.: ogf

$$-4 f(x) x^2 + 16 x^3 + f(x)^2 - 4 f(x) x - 4 f(x)$$

Sequence: A129509
Score: 14.3201
Type of gen. func.: ogf

$$-f(x) x^2 + x^3 + f(x)^2 - f(x) x - f(x)$$

Sequence: A129509
Score: 23.1971

Type of gen. func.: revogf

$$-\frac{-(x-1)^{1/2} + (4x^2 + x - 1)^{1/2}}{2(x-1)^{1/2}\,x}$$

Sequence: A129530
Score: 13.1855
Type of gen. func.: ogf

$$-\frac{3x^2}{(-1+3x)^3}$$

Sequence: A129530
Score: 5.53321
Type of gen. func.: ogf

$$\{a(n+3) - 9a(n+2) + 27a(n+1) - 27a(n),\ a(0) = 0,\ a(1) = 0,\ a(2) = 3\}$$

Sequence: A129530
Score: 61.3364
Type of gen. func.: lgdogf

$$-\frac{9}{-1+3x}$$

Sequence: A129530
Score: 7.46651
Type of gen. func.: ogf

$$27f(x)x^3 - 27f(x)x^2 + 9f(x)x + 3x^2 - f(x)$$

Sequence: A129532
Score: 12.5574
Type of gen. func.: ogf

$$6x^2$$

$$- \frac{\quad}{(-1 + 4 x)^3}$$

Sequence: A129532
Score: 49.7142
Type of gen. func.: lgdogf

$$- \frac{12}{-1 + 4 x}$$

Sequence: A129532
Score: 5.33410
Type of gen. func.: ogf

$$\{a(n + 3) - 12 a(n + 2) + 48 a(n + 1) - 64 a(n), a(0) = 0, a(1) = 0, a(2) = 6\}$$

Sequence: A129532
Score: 7.17563
Type of gen. func.: ogf

$$64 f(x) x^3 - 48 f(x) x^2 + 12 f(x) x + 6 x^2 - f(x)$$

Sequence: A129544
Score: 6.92930
Type of gen. func.: ogf

$$\frac{x (65 x^5 + 7 x^4 + 65 x^3 - 275 x^2 - 21 x - 115)}{(x - 1) (x^6 - 6 x^3 + 1)}$$

Sequence: A129548
Score: 11.4416
Type of gen. func.: lgdogf

$$- \frac{8 x^5 - 7 x^4 + 22 x^3 - 10 x^2 + 14 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^2 - x + 1)}$$

Sequence: A129548
Score: 5.54526
Type of gen. func.: ogf

$$-\frac{(x^2+1)(x^2-x+1)}{(x+1)^5 (x-1)^7}$$

Sequence: A129556
Score: 6.84381
Type of gen. func.: lgdogf

$$-\frac{2x^7+5x^6-80x^5-67x^4+1450x^3-493x^2-148x-21}{(x-1)(x^2-6x-1)(x^2+6x-1)(x^3+2x^2-19x-2)}$$

Sequence: A129556
Score: 7.83873
Type of gen. func.: ogf

$$\frac{x(x^3+2x^2-19x-2)}{(x-1)(x^2+6x-1)(x^2-6x-1)}$$

Sequence: A129557
Score: 10.1630
Type of gen. func.: ogf

$$-\frac{(x-1)(x^2+5x+1)}{(x^2+6x-1)(x^2-6x-1)}$$

Sequence: A129557
Score: 5.98889
Type of gen. func.: ogf

$$(1558440 f(x) - 33247) (f(x) x^4 - 38 f(x) x^2 + x^3 + 4 x^2 + f(x) - 4 x - 1)$$

Sequence: A129557
Score: 7.24002
Type of gen. func.: lgdogf

$$-\frac{x^6+8x^5+26x^4-4x^3+149x^2+68x+4}{(x-1)(x^2+5x+1)(x^2+6x-1)(x^2-6x-1)}$$

Sequence: A129588
Score: 29.9708
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4}{-x-1}$$

Sequence: A129589
Score: 6.32056
Type of gen. func.: ogf

$$(33 f(x)+1)(f(x)x^4-4f(x)x^2+x^3+4f(x)x+x^2-f(x)-x+1)$$

Sequence: A129613
Score: 2.29053
Type of gen. func.: ogf

$$-(f(x)-1)(f(x)x-f(x)+1)^2$$

Sequence: A129617
Score: 11.3254
Type of gen. func.: ogf

$$-\frac{x(x+1)}{14x^3+16x^2-1}$$

Sequence: A129617

Score: 13.0503
Type of gen. func.: lgdogf

$$-\frac{28 x^3 + 58 x^2 + 32 x + 1}{(x + 1) (14 x^3 + 16 x^2 - 1)}$$

Sequence: A129617
Score: 6.55682
Type of gen. func.: ogf

$$\{a(n + 3) - 16 a(n + 1) - 14 a(n), a(0) = 0, a(1) = 1, a(2) = 1\}$$

Sequence: A129617
Score: 6.55683
Type of gen. func.: ogf

$$-(f(x) + 1) (14 f(x) x^3 + 16 f(x) x^2 + x^2 - f(x) + x)$$

Sequence: A129625
Score: 6.17339
Type of gen. func.: ogf

$$\frac{x (57 x^5 + 119 x^4 + 57 x^3 - 267 x^2 - 357 x - 75)}{(x - 1) (x^6 - 6 x^3 + 1)}$$

Sequence: A129626
Score: 6.59355
Type of gen. func.: ogf

$$\frac{x (60 x^5 + 161 x^4 + 60 x^3 - 284 x^2 - 483 x - 76)}{(x - 1) (x^6 - 6 x^3 + 1)}$$

Sequence: A129637
Score: 20.1203
Type of gen. func.: revogf

$$\frac{x\,(2\,x + 1)}{8\,x^2 + 5\,x + 1}$$

Sequence: A129637
Score: 6.16812
Type of gen. func.: ogf

$$8\,f(x)^2\,x^2 - 2\,f(x)^2\,x + 5\,f(x)\,x - f(x) + 1$$

Sequence: A129638
Score: 6.11619
Type of gen. func.: ogf

$$-\frac{6\,x^5 + 21\,x^4 - 24\,x^3 - 36\,x^2 + 10\,x + 11}{x^6 + 3\,x^5 - 6\,x^4 - 4\,x^3 + 5\,x^2 + x - 1}$$

Sequence: A129639
Score: 10.4535
Type of gen. func.: ogf

$$-\frac{2\,(7\,x^3 + 4\,x^2 - 11\,x - 6)}{2\,x^4 - 4\,x^2 + 1}$$

Sequence: A129639
Score: 6.70599
Type of gen. func.: ogf

$$(16\,f(x) - 53)\,(2\,f(x)\,x^4 - 4\,f(x)\,x^2 + 14\,x^3 + 8\,x^2 + f(x) - 22\,x - 12)$$

Sequence: A129639
Score: 8.50122
Type of gen. func.: lgdogf

$$14\,x^6 + 16\,x^5 - 38\,x^4 - 48\,x^3 + 23\,x^2 + 40\,x + 11$$

$$-\frac{\quad}{(7 x^{3} + 4 x^{2} - 11 x - 6) (2 x^{4} - 4 x^{2} + 1)}$$

Sequence: A129640
Score: 6.51170
Type of gen. func.: ogf

$$\frac{x (105 x^{5} + 103 x^{4} + 105 x^{3} - 475 x^{2} - 309 x - 155)}{(x - 1) (x^{6} - 6 x^{3} + 1)}$$

Sequence: A129641
Score: 6.56984
Type of gen. func.: ogf

$$\frac{x (136 x^{5} + 137 x^{4} + 136 x^{3} - 616 x^{2} - 411 x - 200)}{(x - 1) (x^{6} - 6 x^{3} + 1)}$$

Sequence: A129642
Score: 5.91753
Type of gen. func.: ogf

$$\frac{x (204 x^{5} + 49 x^{4} + 204 x^{3} - 876 x^{2} - 147 x - 348)}{(x - 1) (x^{6} - 6 x^{3} + 1)}$$

Sequence: A129647
Score: 8.70693
Type of gen. func.: ogf

$$\frac{x (4 x^{6} - 8 x^{5} + 5 x^{4} - 2 x^{3} - 1)}{(x + 1) (x^{2} + 1) (x - 1)^{3}}$$

Sequence: A129647
Score: 9.04772
Type of gen. func.: lgdogf

$$-\frac{2\,(x^7-2\,x^6+7\,x^5-17\,x^4+5\,x^3-4\,x^2-x-1)}{(x-1)\,(x+1)\,(x^2+1)\,(4\,x^6-8\,x^5+5\,x^4-2\,x^3-1)}$$

Sequence: A129655
Score: 4.02142
Type of gen. func.: egf]

$$(f(x)\,x^2-2\,f(x)\,x+f(x)-1)^2$$

Sequence: A129682
Score: 10.5275
Type of gen. func.: ogf

$$-\frac{x^3+x-1}{(x-1)\,(x^5+2\,x^3+x^2+x-1)}$$

Sequence: A129682
Score: 7.58475
Type of gen. func.: lgdogf

$$-\frac{(x+1)\,(x^9-3\,x^8+8\,x^7-10\,x^6+13\,x^5-11\,x^4+5\,x^3-x^2-2\,x+2)}{(x-1)\,(x^5-x^4+2\,x^3-1)\,(x^5+2\,x^3+x^2+x-1)}$$

Sequence: A129683
Score: 11.8294
Type of gen. func.: lgdegf]

$$-212+212\,x+(212\,x^2-184\,x+25)\,f(x)+(28\,x^2-28\,x+7)\,f(x)^2$$

Sequence: A129683
Score: 4.69901
Type of gen. func.: ogf

$\{(-4 n^2 - 16 n - 16) a(n + 1) + (4 n + 12) a(n + 2) - a(n + 3), a(0) = 1,$

$a(1) = 4, a(2) = 28\}$

Sequence: A129696
Score: 16.2453
Type of gen. func.: ogf

$$-\frac{1}{(x + 1) (x^2 + x - 1) (x - 1)^2}$$

Sequence: A129696
Score: 16.6675
Type of gen. func.: lgdogf

$$-\frac{5 x^3 + 5 x^2 - 4 x - 2}{(x - 1) (x + 1) (x^2 + x - 1)}$$

Sequence: A129703
Score: 3.32964
Type of gen. func.: ogf

$$3 f(x)^2 x^4 - 7 f(x)^2 x^3 + 6 f(x) x^4 + 5 f(x)^2 x^2 - 5 f(x) x^3 + 3 x^4 - f(x)^2 x$$
$$- 5 f(x) x^2 + 2 x^3 + 5 f(x) x - 3 x^2 - f(x) - x + 1$$

Sequence: A129704
Score: 10.7557
Type of gen. func.: ogf

$$\frac{1}{x^5 - 2 x^4 + x^3 - 2 x^2 + x - 1}$$

Sequence: A129704
Score: 12.8449
Type of gen. func.: lgdogf

$$-\frac{5 x^4 - 8 x^3 + 3 x^2 - 4 x + 1}{x^5 - 2 x^4 + x^3 - 2 x^2 + x - 1}$$

Sequence: A129707
Score: 10.3882
Type of gen. func.: ogf

$$-\frac{x^2 (x + 1)}{(x^2 + x - 1)^3}$$

Sequence: A129707
Score: 23.6597
Type of gen. func.: lgdogf

$$-\frac{5 x^2 + 8 x + 4}{(x + 1) (x^2 + x - 1)}$$

Sequence: A129715
Score: 17.2018
Type of gen. func.: lgdogf

$$-\frac{x^4 + x^3 - 7 x - 5}{(x^2 + x - 1) (x^3 + x^2 - x - 2)}$$

Sequence: A129715
Score: 4.90309
Type of gen. func.: ogf

$-(12 f(x) + 7)$

$$(f(x) x^4 + 2 f(x) x^3 + x^4 - f(x) x^2 + x^3 - 2 f(x) x - x^2 + f(x) - 2 x)$$

Sequence: A129715

Score: 8.83767
Type of gen. func.: ogf

$$-\frac{x\,(x^3+x^2-x-2)}{(x^2+x-1)^2}$$

Sequence: A129720
Score: 12.8623
Type of gen. func.: lgdogf

$$-\frac{4\,x^5-x^4-9\,x^3+7\,x+1}{(x-1)\,(x+1)\,(x^2+x-1)\,(x^2-x-1)}$$

Sequence: A129720
Score: 9.02516
Type of gen. func.: ogf

$$\frac{x\,(x-1)\,(x+1)}{(x^2-x-1)\,(x^2+x-1)^2}$$

Sequence: A129722
Score: 10.3351
Type of gen. func.: ogf

$$-\frac{x^2}{(x^2-x-1)\,(x^2+x-1)^2}$$

Sequence: A129722
Score: 18.1014
Type of gen. func.: lgdogf

$$-\frac{6\,x^3-x^2-9\,x-1}{(x^2+x-1)\,(x^2-x-1)}$$

Sequence: A129725
Score: 6.77308
Type of gen. func.: ogf

$$\frac{x (84 x^5 + 353 x^4 + 84 x^3 - 404 x^2 - 1059 x - 100)}{(x - 1) (x^6 - 6 x^3 + 1)}$$

Sequence: A129728
Score: 10.2650
Type of gen. func.: ogf

$$\frac{2 x^3 + x^2 - 1}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A129728
Score: 11.8515
Type of gen. func.: lgdogf

$$- \frac{2 x^5 + 4 x^4 + 7 x^3 - 9 x^2 - 3 x + 3}{(x - 1) (x^2 + x - 1) (2 x^3 + x^2 - 1)}$$

Sequence: A129728
Score: 4.23358
Type of gen. func.: ogf

$\{a(n) n + a(n + 1) + (-2 n + 1) a(n + 2) + (n - 1) a(n + 3), a(0) = 1, a(1) = 3,$

$a(2) = 6, a(3) = 9, a(4) = 13\}$

Sequence: A129728
Score: 5.63416
Type of gen. func.: ogf

$$(4 f(x) - 1) (f(x) x^4 - f(x) x^3 - 2 f(x) x^2 - 2 x^3 + 3 f(x) x - x^2 - f(x) + 1)$$

Sequence: A129743
Score: 11.6546
Type of gen. func.: ogf

$$-\frac{2 (x + 1)}{(x - 1) (x^2 - 4 x + 1)}$$

Sequence: A129743
Score: 14.4083
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - x^2 - 5 x + 3)}{(x - 1) (x + 1) (x^2 - 4 x + 1)}$$

Sequence: A129743
Score: 5.41835
Type of gen. func.: ogf

{a(n + 3) - 5 a(n + 2) + 5 a(n + 1) - a(n), a(0) = 2, a(1) = 12, a(2) = 50}

Sequence: A129743
Score: 5.6669
Type of gen. func.: ogf

$$(3417 f(x) - 1297) (f(x) x^3 - 5 f(x) x^2 + 5 f(x) x - f(x) + 2 x + 2)$$

Sequence: A129744
Score: 10.2529
Type of gen. func.: ogf

$$\frac{2 (x^2 + 1)}{(x - 1) (x + 1) (x^2 + 2 x - 1)}$$

Sequence: A129744
Score: 10.3668
Type of gen. func.: lgdogf

$$-\frac{2\,(x^5+x^4+2\,x^3+4\,x^2-3\,x-1)}{(x-1)\,(x+1)\,(x^2+1)\,(x^2+2\,x-1)}$$

Sequence: A129744
Score: 5.01083
Type of gen. func.: ogf

$$-(167\,f(x)+127)$$

$$(f(x)\,x^4+2\,f(x)\,x^3-2\,f(x)\,x^2-2\,f(x)\,x-2\,x^2+f(x)-2)$$

Sequence: A129756
Score: 14.9410
Type of gen. func.: lgdogf

$$-\frac{x^7+x^6+x^5+x^4+9\,x^3+x^2+x+1}{(x-1)\,(x+1)\,(x^2+1)\,(x^4+1)}$$

Sequence: A129756
Score: 16.0313
Type of gen. func.: ogf

$$\frac{x^4+1}{(x+1)\,(x^2+1)\,(x-1)^2}$$

Sequence: A129756
Score: 31.4134
Type of gen. func.: ogf_with_Euler_transform]

$$-x^7+2\,x^3+1$$

Sequence: A129756
Score: 8.8717
Type of gen. func.: ogf

$$-f(x) (f(x) x^5 - f(x) x^4 - x^4 - f(x) x + f(x) - 1)$$

Sequence: A129762
Score: 5.09216
Type of gen. func.: ogf

$$-\frac{x^5 - 7 x^3 + 13 x^2 + 4 x + 1}{(x - 1) (x^2 - 3 x + 1) (x^2 + x - 1) (x^2 + 4 x - 1)}$$

Sequence: A129770
Score: 5.30550
Type of gen. func.: ogf

$$-\frac{x (x^2 + 1) (4 x^{10} - 4 x^8 + 10 x^6 - x^4 - 4 x^2 + 1)}{(3 x - 1) (3 x^2 - 1) (3 x^4 - 1)}$$

Sequence: A129775
Score: 5.71111
Type of gen. func.: ogf

$$-f(x)^2 x^3 + 4 f(x)^2 x^2 - 5 f(x)^2 x - 4 f(x) x^2 + f(x)^2 + 9 f(x) x - 2 f(x) - 4 x + 1$$

Sequence: A129776
Score: 6.60425
Type of gen. func.: ogf

$$-\frac{3 x^5 + x^4 - 5 x^3 + 7 x^2 - 5 x + 1}{3 x^6 - 4 x^5 - 8 x^4 + 14 x^3 - 15 x^2 + 7 x - 1}$$

Sequence: A129777
Score: 6.19618
Type of gen. func.: ogf

$$-\frac{(x-1)(x^5+3x^4+x^3+3x-1)}{x^7-x^6-8x^5+x^4+3x^3-9x^2+6x-1}$$

Sequence: A129779
Score: 3.23525
Type of gen. func.: ogf

$$\{(2n^2+n)a(n+1)+(-2n^2-8n-9)a(n+2)+(-n-3)a(n+3), a(0)=1, a(1)=-1, a(2)=2\}$$

Sequence: A129779
Score: 7.82254
Type of gen. func.: egf]

$$-f(x)^2+2f(x)x-x^2+6f(x)+2x-5$$

Sequence: A129779
Score: 9.29022
Type of gen. func.: lgdegf]

$$-\frac{1+x-2x^2+2((1+2x)(x-2)^2)^{1/2}}{(1+2x)(x^2-2x+5)}$$

Sequence: A129803
Score: 4.98033
Type of gen. func.: ogf

$$-(1702933 f(x)+114309) (f(x)x^3-15f(x)x^2+15f(x)x+x^2-f(x)-14x+10)$$

Sequence: A129803
Score: 5.39536
Type of gen. func.: ogf

{-a(n + 3) + 15 a(n + 2) - 15 a(n + 1) + a(n), a(0) = 10, a(1) = 136,

a(2) = 1891}

Sequence: A129803
Score: 7.66794
Type of gen. func.: lgdogf

$$-\frac{x^4 - 28 x^3 + 225 x^2 - 298 x + 136}{(x - 1) (x^2 - 14 x + 1) (x^2 - 14 x + 10)}$$

Sequence: A129803
Score: 9.96066
Type of gen. func.: ogf

$$-\frac{x^2 - 14 x + 10}{(x - 1) (x^2 - 14 x + 1)}$$

Sequence: A129819
Score: 11.6583
Type of gen. func.: lgdogf

$$-\frac{4 x^6 + 6 x^5 + 4 x^4 + 11 x^3 + 5 x^2 + 5 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^3 + x^2 + 1)}$$

Sequence: A129819
Score: 8.27620
Type of gen. func.: ogf

$$-\frac{x^2 (x^3 + x^2 + 1)}{(x^2 + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A129831
Score: 3.81436

```
Type of gen. func.: ogf


{(-n - 5) a(n + 1) + (-n - 5) a(n + 2) + a(n + 4) + a(n + 3), a(0) = 1,

    a(1) = 1, a(2) = 2, a(3) = 6}



------------------------------------------------------------------------------

Sequence:  A129836
Score: 5.95290
Type of gen. func.: ogf


                        5       4       3       2
                 x (13 x  + 71 x  + 13 x  - 63 x  - 213 x - 15)
                 ----------------------------------------------
                                      6      3
                            (x - 1) (x  - 6 x  + 1)



------------------------------------------------------------------------------

Sequence:  A129839
Score: 6.21829
Type of gen. func.: ogf


                           3      3       2
                          x  (36 x  + 36 x  - 11 x - 1)
          - ----------------------------------------------------------
            (x - 1) (6 x - 1) (4 x - 1) (3 x - 1) (9 x - 1) (2 x - 1)



------------------------------------------------------------------------------

Sequence:  A129847
Score: 17.4751
Type of gen. func.: ogf


                                        1
                            - ----------------------
                               4      3    2
                              x  + 2 x  + x  + x - 1



------------------------------------------------------------------------------

Sequence:  A129847
Score: 6.39332
Type of gen. func.: ogf


                             4            3          2
      -(71 f(x) - 22) (f(x) x  + 2 f(x) x  + f(x) x  + f(x) x - f(x) + 1)



------------------------------------------------------------------------------

Sequence:  A129847
Score: 8.64472
Type of gen. func.: lgdogf
```

$$-\frac{x^6 + 4x^5 + 6x^4 + 6x^3 + 8x^2 + 6x + 2}{(x^3 + 2x^2 + x + 1)(x^4 + 2x^3 + x^2 + x - 1)}$$

Sequence: A129857
Score: 5.66997
Type of gen. func.: ogf

$$\frac{x(185x^5 + 487x^4 + 185x^3 - 875x^2 - 1461x - 235)}{(x - 1)(x^6 - 6x^3 + 1)}$$

Sequence: A129863
Score: 14.3070
Type of gen. func.: ogf

$$-\frac{3(x^2 + 2)}{(x - 1)^3}$$

Sequence: A129863
Score: 30.7764
Type of gen. func.: lgdogf

$$-\frac{x^2 + 2x + 6}{(x - 1)(x^2 + 2)}$$

Sequence: A129863
Score: 7.15351
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 6, a(1) = 18, a(2) = 39\}$

Sequence: A129863
Score: 7.34685
Type of gen. func.: ogf

$$(333 f(x) - 913) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) + 6)$$

Sequence: A129867
Score: 3.26319
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 1) + (2 n + 9) a(n + 2) + (-n - 6) a(n + 3) + a(n + 4),$$
$$a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 14\}$$

Sequence: A129868
Score: 10.0336
Type of gen. func.: lgdogf

$$- \frac{128 x^3 - 232 x^2 + 140 x - 27}{(8 x - 5) (x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A129868
Score: 12.5980
Type of gen. func.: ogf

$$\frac{x (8 x - 5)}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A129868
Score: 6.40952
Type of gen. func.: ogf

$$-(27 f(x) + 25) (8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x - 8 x^2 - f(x) + 5 x)$$

Sequence: A129868
Score: 6.46625
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) - 14 a(n + 1) + 8 a(n), a(0) = 0, a(1) = 5, a(2) = 27\}$$

Sequence: A129869

Score: 3.31788
Type of gen. func.: ogf

$$\{(-20 n^2 - 10 n) a(n) + (69 n^2 + 229 n + 180) a(n + 1) + (-24 n^2 - 116 n - 132) a(n + 2) + (2 n^2 + 14 n + 24) a(n + 3), a(0) = -1, a(1) = 1, a(2) = 5\}$$

Sequence: A129869
Score: 6.6972
Type of gen. func.: ogf

$$-4 f(x)^2 x^2 + f(x)^2 x - 4 f(x) x^2 - 7 f(x) x - x^2 + 2 f(x) - 10 x + 2$$

Sequence: A129889
Score: 12.2685
Type of gen. func.: ogf

$$\frac{x^2 (x^2 - 2 x - 1)}{(x - 1)^3 (x + 1)^3}$$

Sequence: A129889
Score: 18.8764
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^3 - 5 x^2 - 2 x - 1)}{(x - 1) (x + 1) (x^2 - 2 x - 1)}$$

Sequence: A129889
Score: 4.22452
Type of gen. func.: ogf

$$\{(-9 - 3 n) a(n + 1) + (-2 n^2 - 13 n - 14) a(n + 2) + (5 + 3 n) a(n + 3) + (2 n^2 + 5 n + 2) a(n + 4), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 2\}$$

Sequence: A129890
Score: 13.8879
Type of gen. func.: lgdegf]

$$-\frac{6 x + 13 + 2 (1 - 2 x)^{1/2}}{(2 x + 3) (2 x - 1)}$$

Sequence: A129890
Score: 3.7725
Type of gen. func.: egf]

$$16 f(x)^2 x^4 - 32 f(x)^2 x^3 + 24 f(x)^2 x^2 - 8 f(x)^2 x - 16 f(x) x^2 + f(x)^2 + 16 f(x) x - 4 f(x) + 2 x + 3$$

Sequence: A129890
Score: 3.97921
Type of gen. func.: ogf

$$\{(-4 n^2 - 22 n - 30) a(n + 1) + (4 n + 13) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 5, a(2) = 33\}$$

Sequence: A129890
Score: 9.33447
Type of gen. func.: revegf]

$$\frac{2 x (4 x + 1 + 3 (1 + 4 x)^{1/2})}{(1 + 4 x)^{1/2} (1 + (1 + 4 x)^{1/2})^3}$$

Sequence: A129891
Score: 11.6530
Type of gen. func.: ogf

$$-\frac{x^3 - x + 1}{x^4 - 2 x^2 + 3 x - 1}$$

Sequence: A129891
Score: 12.4482
Type of gen. func.: lgdogf

$$-\frac{x^6 - x^4 - 2x^3 + 5x^2 - 4x + 2}{(x^3 - x + 1)(x^4 - 2x^2 + 3x - 1)}$$

Sequence: A129891
Score: 7.98691
Type of gen. func.: ogf

$$f(x)\,x^4 - 2 f(x)\,x^2 + x^3 + 3 f(x)\,x - f(x) - x + 1$$

Sequence: A129895
Score: 7.64519
Type of gen. func.: ogf

$$-\frac{x^7 - x^6 - x^5 + x^4 + x^3 - x^2 + 1}{(x + 1)(x^4 + 1)(x - 1)^3}$$

Sequence: A129895
Score: 9.41698
Type of gen. func.: lgdogf

$$-\frac{x^{12} - 2x^{10} + 3x^8 + 3x^6 + 2x^5 + x^2 + 2x + 2}{(x - 1)(x + 1)(x^7 - x^6 - x^5 + x^4 + x^3 - x^2 + 1)(x^4 + 1)}$$

Sequence: A129903
Score: 21.0220
Type of gen. func.: ogf

$$\frac{1}{x^4 - x^3 + x^2 + 1}$$

Sequence: A129903
Score: 33.0026
Type of gen. func.: lgdogf

$$-\frac{x\,(4\,x^2 - 3\,x + 2)}{x^4 - x^3 + x^2 + 1}$$

Sequence: A129903
Score: 7.69097
Type of gen. func.: ogf

{-a(n + 4) - a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 0, a(2) = -1,

a(3) = 1}

Sequence: A129903
Score: 9.18436
Type of gen. func.: ogf

$$-(3\,f(x) - 2)\,(f(x)\,x^4 - f(x)\,x^3 + f(x)\,x^2 + f(x) - 1)$$

Sequence: A129905
Score: 11.0345
Type of gen. func.: ogf

$$-\frac{(1 + 2\,x)\,(x - 1)}{(x + 1)\,(x^2 - 3\,x + 1)}$$

Sequence: A129905
Score: 12.2181
Type of gen. func.: lgdogf

$$-\frac{2\,x^4 - 2\,x^3 + 3\,x^2 + 3}{(x - 1)\,(1 + 2\,x)\,(x + 1)\,(x^2 - 3\,x + 1)}$$

Sequence: A129905
Score: 5.70428
Type of gen. func.: ogf

$$-(157 f(x) - 67) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + 2 x^2 + f(x) - x - 1)$$

Sequence: A129905
Score: 6.00986
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 1, a(1) = 3, a(2) = 6\}$$

Sequence: A129920
Score: 7.82500
Type of gen. func.: ogf

$$-\frac{1}{x^6 - 2 x^5 + x^4 - 2 x^3 + 3 x^2 - x + 1}$$

Sequence: A129920
Score: 7.85655
Type of gen. func.: lgdogf

$$-\frac{6 x^5 - 10 x^4 + 4 x^3 - 6 x^2 + 6 x - 1}{x^6 - 2 x^5 + x^4 - 2 x^3 + 3 x^2 - x + 1}$$

Sequence: A129923
Score: 11.9768
Type of gen. func.: revegf]

$$\frac{-6 + (7776 + 1620 x)^{(1/5)}}{(7776 + 1620 x)^{1/5}}$$

Sequence: A129923
Score: 5.91549
Type of gen. func.: ogf

$$\{(-n - 7) a(n + 1) + a(n + 2), a(0) = 24, a(1) = 144\}$$

Sequence: A129923
Score: 65.8721
Type of gen. func.: lgdegf]

$$- \frac{6}{x - 1}$$

Sequence: A129923
Score: 7.80159
Type of gen. func.: egf]

$$\frac{24}{(x - 1)^{6}}$$

Sequence: A129929
Score: 7.13429
Type of gen. func.: lgdogf

$$- \frac{2 x^{7} - 10 x^{6} + 19 x^{5} - 25 x^{4} + 25 x^{3} - 21 x^{2} + 10 x - 2}{(x - 1) (2 x - 1) (x^{2} - x + 1) (x^{4} - 2 x^{3} + 4 x^{2} - 3 x + 1)}$$

Sequence: A129929
Score: 7.58191
Type of gen. func.: ogf

$$- \frac{(x^{2} - x + 1) (x - 1)^{2}}{(2 x - 1) (x^{4} - 2 x^{3} + 4 x^{2} - 3 x + 1)}$$

Sequence: A129936
Score: 10.7504
Type of gen. func.: ogf

3   2

$$\frac{x - 4 x + 6 x - 2}{(x - 1)^4}$$

Sequence: A129936
Score: 18.3096
Type of gen. func.: lgdogf

$$- \frac{x^3 - 5 x^2 + 10 x - 2}{(x - 1) (x^3 - 4 x^2 + 6 x - 2)}$$

Sequence: A129936
Score: 4.65046
Type of gen. func.: ogf

$$\{(-3 n^2 - 21 n - 30) a(n + 1) + (4 n^2 + 22 n + 30) a(n + 2)$$

$$+ (-n^2 - 7 n - 12) a(n + 3), a(0) = -2, a(1) = -2, a(2) = 0\}$$

Sequence: A129936
Score: 5.95526
Type of gen. func.: ogf

$$(68 f(x) + 25)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x + 4 x^2 + f(x) - 6 x + 2)$$

Sequence: A129938
Score: 4.74871
Type of gen. func.: ogf

$$\frac{44 x^8 + 47 x^7 + 44 x^6 + 45 x^5 + 18 x^4 + 2 x^3 + 13 x^2 - 3 x - 6}{x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A129939
Score: 6.14105
Type of gen. func.: lgdogf

$$-\frac{18x^8+70x^7+107x^6-12x^5-146x^4-64x^3+30x^2+36x-21}{(18x^4+35x^3+30x^2-9x-12)(x^5+x^4+x^3+x^2+x-1)}$$

Sequence: A129939
Score: 8.28876
Type of gen. func.: ogf

$$\frac{18x^4+35x^3+30x^2-9x-12}{x^5+x^4+x^3+x^2+x-1}$$

Sequence: A129952
Score: 10.8727
Type of gen. func.: ogf

$$\frac{2x^3+2x^2-3x+1}{(2x-1)^2}$$

Sequence: A129952
Score: 13.5339
Type of gen. func.: lgdogf

$$\frac{4x^3-6x^2+2x-1}{(2x-1)(2x^3+2x^2-3x+1)}$$

Sequence: A129952
Score: 5.81784
Type of gen. func.: ogf

$\{-a(n+4)+4\,a(n+3)-4\,a(n+2),\ a(0)=1,\ a(1)=1,\ a(2)=2,\ a(3)=6\}$

Sequence: A129952
Score: 6.31651
Type of gen. func.: ogf

$$-(f(x) - 1) (4 f(x) x^2 - 2 x^3 - 4 f(x) x - 2 x^2 + f(x) + 3 x - 1)$$

Sequence: A129953
Score: 13.6048
Type of gen. func.: ogf

$$-\frac{x (2 x^2 - 1)}{(2 x - 1)^2}$$

Sequence: A129953
Score: 24.3123
Type of gen. func.: lgdogf

$$-\frac{4 (x - 1)}{(2 x - 1) (2 x^2 - 1)}$$

Sequence: A129953
Score: 5.84768
Type of gen. func.: ogf

$$\{-a(n + 4) + 4 a(n + 3) - 4 a(n + 2), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 10\}$$

Sequence: A129953
Score: 7.40705
Type of gen. func.: ogf

$$(7 f(x) + 34) (4 f(x) x^2 + 2 x^3 - 4 f(x) x + f(x) - x)$$

Sequence: A129954
Score: 11.0400
Type of gen. func.: ogf

$$\frac{(x - 1) (2 x^2 - 1)}{(2 x - 1)^2}$$

Sequence: A129954
Score: 14.6630
Type of gen. func.: lgdogf

$$\frac{4 x^3 - 6 x^2 + 6 x - 3}{(x - 1) (2 x - 1) (2 x^2 - 1)}$$

Sequence: A129954
Score: 5.85598
Type of gen. func.: ogf

$$\{-a(n + 4) + 4 a(n + 3) - 4 a(n + 2), a(0) = 1, a(1) = 3, a(2) = 6, a(3) = 14\}$$

Sequence: A129954
Score: 8.52452
Type of gen. func.: ogf

$$4 f(x) x^2 - 2 x^3 - 4 f(x) x + 2 x^2 + f(x) + x - 1$$

Sequence: A129955
Score: 11.0400
Type of gen. func.: ogf

$$- \frac{2 x^3 - 4 x^2 + 5 x - 2}{(2 x - 1)^2}$$

Sequence: A129955
Score: 14.3442
Type of gen. func.: lgdogf

$$\frac{(2 x - 3) (2 x^2 - 1)}{(2 x - 1) (2 x^3 - 4 x^2 + 5 x - 2)}$$

Sequence: A129955
Score: 5.85598
Type of gen. func.: ogf

{a(n + 4) - 4 a(n + 3) + 4 a(n + 2), a(0) = 2, a(1) = 3, a(2) = 8, a(3) = 18}

Sequence: A129955
Score: 6.35318
Type of gen. func.: ogf

$$-(4 f(x) + 27) (4 f(x) x^2 + 2 x^3 - 4 f(x) x - 4 x^2 + f(x) + 5 x - 2)$$

Sequence: A129957
Score: 10.4870
Type of gen. func.: lgdogf

$$- \frac{x^5 + 11 x^4 + 40 x^3 + 28 x^2 + 15 x + 1}{(x - 1) (x + 1) (x^4 + 4 x^3 + 8 x^2 - 2 x + 1)}$$

Sequence: A129957
Score: 8.05208
Type of gen. func.: ogf

$$\frac{x^4 + 4 x^3 + 8 x^2 - 2 x + 1}{(x + 1) (x - 1)^4}$$

Sequence: A129958
Score: 10.3409
Type of gen. func.: ogf

$$- \frac{2 x (x^2 + x + 4)}{(x + 1) (x - 1)^3}$$

Sequence: A129958

Score: 15.7385
Type of gen. func.: lgdogf

$$-\frac{(1 + 2 x) (x^2 + 2 x + 9)}{(x - 1) (x + 1) (x^2 + x + 4)}$$

Sequence: A129958
Score: 5.50948
Type of gen. func.: ogf

$$(3188 f(x) - 24385) (f(x) x^4 - 2 f(x) x^3 + 2 x^3 + 2 f(x) x + 2 x^2 - f(x) + 8 x)$$

Sequence: A129959
Score: 10.2374
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 14 x^4 + 41 x^3 + 25 x^2 + 13 x + 1}{(x - 1) (x + 1) (2 x^4 + 4 x^3 + 7 x^2 - 2 x + 1)}$$

Sequence: A129959
Score: 8.30562
Type of gen. func.: ogf

$$\frac{2 x^4 + 4 x^3 + 7 x^2 - 2 x + 1}{(x + 1) (x - 1)^4}$$

Sequence: A129961
Score: 7.39367
Type of gen. func.: ogf

$$-\frac{(x - 1)^4}{(2 x - 1) (2 x^4 - 4 x^3 + 6 x^2 - 4 x + 1)}$$

Sequence: A129961
Score: 8.80766
Type of gen. func.: lgdogf

$$-\frac{2\,(2x^5 - 10x^4 + 12x^3 - 10x^2 + 5x - 1)}{(x - 1)(2x - 1)(2x^4 - 4x^3 + 6x^2 - 4x + 1)}$$

Sequence: A129966
Score: 4.87006
Type of gen. func.: ogf

$$-\frac{x\,(x^2 + 1)(x^8 + 2x^7 + 11x^6 + 4x^5 - 4x^4 + 4x^3 + 11x^2 + 2x + 1)}{(x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2 (x - 1)^3}$$

Sequence: A129973
Score: 13.8248
Type of gen. func.: ogf

$$\frac{x^3}{(x^2 + x - 1)(x^3 + x^2 - 1)}$$

Sequence: A129973
Score: 16.5693
Type of gen. func.: lgdogf

$$-\frac{(5x^2 - 2x - 1)(x + 1)^2}{(x^2 + x - 1)(x^3 + x^2 - 1)}$$

Sequence: A129973
Score: 5.8617
Type of gen. func.: ogf

$$(5 f(x)^2 + 1)(f(x) x^5 + 2 f(x) x^4 - 2 f(x) x^2 - x^3 - f(x) x + f(x))$$

Sequence: A129974
Score: 5.69789
Type of gen. func.: ogf

$$\frac{x\,(385\,x^5 + 167\,x^4 + 385\,x^3 - 1683\,x^2 - 501\,x - 627)}{(x - 1)\,(x^6 - 6\,x^3 + 1)}$$

Sequence: A129975
Score: 5.69789
Type of gen. func.: ogf

$$\frac{x\,(116\,x^5 + 721\,x^4 + 116\,x^3 - 564\,x^2 - 2163\,x - 132)}{(x - 1)\,(x^6 - 6\,x^3 + 1)}$$

Sequence: A129981
Score: 4.07961
Type of gen. func.: ogf

$$\{(n + 4)\,a(n + 1) + (-n - 4)\,a(n + 2) + a(n + 4) - a(n + 3),\ a(0) = 1,\ a(1) = 2,\ a(2) = 4,\ a(3) = 7\}$$

Sequence: A129982
Score: 11.3847
Type of gen. func.: ogf

$$-\frac{x^5 + x^4 - x^3 + x^2 - 1}{(x - 1)\,(x + 1)\,(x^4 + x^2 - 1)}$$

Sequence: A129982
Score: 8.64099
Type of gen. func.: lgdogf

$$-\frac{x\,(x^9 + 2\,x^8 - 3\,x^7 + 4\,x^6 + 6\,x^5 - 2\,x^4 - 7\,x^3 - 4\,x^2 + 3\,x + 2)}{(x - 1)\,(x + 1)\,(x^4 + x^2 - 1)\,(x^5 + x^4 - x^3 + x^2 - 1)}$$

Sequence: A129983
Score: 5.42509
Type of gen. func.: lgdogf

$$\frac{5 x^{8} + 15 x^{6} - 64 x^{5} + 88 x^{4} - 64 x^{3} + 29 x^{2} - 8 x + 1}{(2 x - 1) (x^{4} + 2 x^{3} - 5 x^{2} + 4 x - 1) (x^{5} - x^{4} - 6 x^{3} + 9 x^{2} - 5 x + 1)}$$

Sequence: A129983
Score: 5.81921
Type of gen. func.: ogf

$$\frac{x^{5} - x^{4} - 6 x^{3} + 9 x^{2} - 5 x + 1}{(2 x - 1) (x^{4} + 2 x^{3} - 5 x^{2} + 4 x - 1)}$$

Sequence: A129987
Score: 8.42843
Type of gen. func.: ogf

$$- \frac{x^{5} + 2 x^{3} - 5 x^{2} + 4 x - 1}{(2 x - 1) (x^{4} + 2 x^{3} - 5 x^{2} + 4 x - 1)}$$

Sequence: A129988
Score: 6.93466
Type of gen. func.: ogf

$$\frac{x^{5} - 3 x^{4} - x^{3} + 5 x^{2} - 4 x + 1}{(2 x - 1) (x^{4} + 2 x^{3} - 5 x^{2} + 4 x - 1)}$$

Sequence: A129991
Score: 6.92823
Type of gen. func.: ogf

$$x (21 x^{5} + 199 x^{4} + 21 x^{3} - 103 x^{2} - 597 x - 23)$$

$$(x - 1) (x^6 - 6 x^3 + 1)$$

Sequence: A129992
Score: 6.86798
Type of gen. func.: ogf

$$\frac{x (15 x^5 + 97 x^4 + 15 x^3 - 73 x^2 - 291 x - 17)}{(x - 1) (x^6 - 6 x^3 + 1)}$$

Sequence: A129993
Score: 6.13862
Type of gen. func.: ogf

$$\frac{x (19 x^5 + 161 x^4 + 19 x^3 - 93 x^2 - 483 x - 21)}{(x - 1) (x^6 - 6 x^3 + 1)}$$

Sequence: A129995
Score: 3.34830
Type of gen. func.: ogf

$$- (25 x^9 + 1595 x^8 + 16490 x^7 + 51511 x^6 + 55969 x^5 + 22480 x^4 + 2970 x^3 + 165 x^2 - 6 x + 1) / (x - 1)^{11}$$

Sequence: A129996
Score: 6.86562
Type of gen. func.: ogf

$$-f(x)^2 x^4 - 2 f(x) x^3 + 2 f(x) x^2 - f(x) x - x^2 + f(x) + 2 x - 1$$

Sequence: A129997
Score: 5.11862
Type of gen. func.: ogf

$$\{(-n + 2) a(n + 1) + a(n + 3) - 4 a(n + 2), a(0) = 0, a(1) = 1, a(2) = 4\}$$

Sequence: A129999
Score: 5.90442
Type of gen. func.: ogf

$$\frac{x (25 x^5 + 287 x^4 + 25 x^3 - 123 x^2 - 861 x - 27)}{(x - 1) (x^6 - 6 x^3 + 1)}$$

Sequence: A130002
Score: 7.18549
Type of gen. func.: ogf

$$-\frac{2 x^6 + 6 x^5 - 3 x^4 - 5 x^3 + 3 x - 1}{(x - 1)^2 (2 x - 1)^2 (x + 1)^2}$$

Sequence: A130002
Score: 7.69232
Type of gen. func.: lgdogf

$$-\frac{16 x^7 + 10 x^6 - 6 x^5 - 37 x^4 + 32 x^3 - 6 x^2 - 2 x + 1}{(x - 1) (2 x - 1) (x + 1) (2 x^6 + 6 x^5 - 3 x^4 - 5 x^3 + 3 x - 1)}$$

Sequence: A130004
Score: 6.74325
Type of gen. func.: ogf

$$\frac{x (29 x^5 + 391 x^4 + 29 x^3 - 143 x^2 - 1173 x - 31)}{(x - 1) (x^6 - 6 x^3 + 1)}$$

Sequence: A130005
Score: 6.05591
Type of gen. func.: ogf

5 4 3 2

$$\frac{x (33 x + 511 x + 33 x - 163 x - 1533 x - 35)}{(x - 1) (x^6 - 6 x^3 + 1)}$$

Sequence: A130013
Score: 6.05591
Type of gen. func.: ogf

$$\frac{x (35 x^5 + 577 x^4 + 35 x^3 - 173 x^2 - 1731 x - 37)}{(x - 1) (x^6 - 6 x^3 + 1)}$$

Sequence: A130014
Score: 5.81788
Type of gen. func.: ogf

$$\frac{x (41 x^5 + 799 x^4 + 41 x^3 - 203 x^2 - 2397 x - 43)}{(x - 1) (x^6 - 6 x^3 + 1)}$$

Sequence: A130017
Score: 5.84653
Type of gen. func.: ogf

$$\frac{x (43 x^5 + 881 x^4 + 43 x^3 - 213 x^2 - 2643 x - 45)}{(x - 1) (x^6 - 6 x^3 + 1)}$$

Sequence: A130019
Score: 3.92352
Type of gen. func.: ogf

$$\{(2 n - 2) a(n + 1) + (-n + 9) a(n + 2) + a(n + 4) - 6 a(n + 3), a(0) = 0,$$

$$a(1) = 0, a(2) = 1, a(3) = 6\}$$

Sequence: A130031
Score: 6.56355
Type of gen. func.: ogf

$$\{(n^2 + 3 n + 1) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A130032
Score: 6.95495
Type of gen. func.: ogf

$$\{(n^2 + 3 n + 3) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A130072
Score: 5.06545
Type of gen. func.: ogf

$$\{-a(n + 3) + 10 a(n + 2) - 31 a(n + 1) + 30 a(n), a(0) = 0, a(1) = 12, a(2) = 90\}$$

Sequence: A130072
Score: 6.16287
Type of gen. func.: ogf

$$-(5 f(x) + 8) (30 f(x) x^3 - 31 f(x) x^2 + 10 f(x) x - 30 x^2 - f(x) + 12 x)$$

Sequence: A130072
Score: 9.32998
Type of gen. func.: lgdogf

$$-\frac{300 x^3 - 335 x^2 + 124 x - 15}{(3 x - 1) (2 x - 1) (-2 + 5 x) (5 x - 1)}$$

Sequence: A130072
Score: 9.47729
Type of gen. func.: ogf

$$\frac{6 x (-2 + 5 x)}{(3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A130102
Score: 7.84771
Type of gen. func.: lgdogf

$$\frac{2 x (8 x^5 - 32 x^4 + 50 x^3 - 33 x^2 + 11 x - 2)}{(x - 1) (2 x - 1) (4 x^5 - 10 x^4 + 8 x^3 - 7 x^2 + 4 x - 1)}$$

Sequence: A130102
Score: 8.05986
Type of gen. func.: ogf

$$\frac{4 x^5 - 10 x^4 + 8 x^3 - 7 x^2 + 4 x - 1}{(2 x - 1) (x - 1)^2}$$

Sequence: A130103
Score: 14.6004
Type of gen. func.: lgdogf

$$\frac{4 x^2 - x - 1}{(x - 1) (2 x - 1) (2 x^3 - 5 x^2 + 3 x - 1)}$$

Sequence: A130103
Score: 4.83760
Type of gen. func.: ogf

{a(n + 5) - 4 a(n + 4) + 5 a(n + 3) - 2 a(n + 2), a(0) = 0, a(1) = 1, a(2) = 1,

a(3) = 4, a(4) = 11}

Sequence: A130103
Score: 5.31766
Type of gen. func.: ogf

$$-(250 f(x) - 917)$$

$$(2 f(x) x^3 - 2 x^4 - 5 f(x) x^2 + 5 x^3 + 4 f(x) x - 3 x^2 - f(x) + x)$$

Sequence: A130103
Score: 9.54266
Type of gen. func.: ogf

$$\frac{x\,(2\,x^3 - 5\,x^2 + 3\,x - 1)}{(2\,x - 1)\,(x - 1)^2}$$

Sequence: A130104
Score: 10.2036
Type of gen. func.: lgdogf

$$-\frac{4\,x^4 - 12\,x^3 + 7\,x^2 - 4\,x + 2}{(x - 1)\,(2\,x - 1)\,(2\,x^3 - 5\,x^2 + 3\,x - 1)}$$

Sequence: A130104
Score: 4.36292
Type of gen. func.: ogf

$$(143\,f(x) + 333)\,(2\,f(x)\,x^4 - 7\,f(x)\,x^3 + 2\,x^4 + 9\,f(x)\,x^2 - 5\,x^3 - 5\,f(x)\,x + 3\,x^2 + f(x) - x)$$

Sequence: A130104
Score: 7.81016
Type of gen. func.: ogf

$$-\frac{x\,(2\,x^3 - 5\,x^2 + 3\,x - 1)}{(2\,x - 1)\,(x - 1)^3}$$

Sequence: A130129
Score: 15.9386
Type of gen. func.: ogf

$$\frac{1 + 4\,x}{(2\,x - 1)^2}$$

Sequence: A130129
Score: 20.6990
Type of gen. func.: revogf

$$-\frac{-1 - 4 x + (1 + 24 x)^{1/2}}{8 (x - 1)}$$

Sequence: A130129
Score: 29.3236
Type of gen. func.: lgdogf

$$-\frac{8 (x + 1)}{(1 + 4 x) (2 x - 1)}$$

Sequence: A130129
Score: 8.15039
Type of gen. func.: ogf

$$(33 f(x) + 223) (4 f(x) x^2 - 4 f(x) x + f(x) - 4 x - 1)$$

Sequence: A130129
Score: 8.74677
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A130130
Score: 10.9376
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A130130
Score: 13.5496
Type of gen. func.: ogf

$$-f(x)\,(f(x)\,x + x^2 - f(x) + x)$$

Sequence: A130130
Score: 22.1420
Type of gen. func.: ogf

$$-\frac{x\,(x + 1)}{x - 1}$$

Sequence: A130130
Score: 27.9397
Type of gen. func.: revogf

$$-1/2 - x/2 + \frac{(x^2 + 6\,x + 1)^{1/2}}{2}$$

Sequence: A130130
Score: 43.1330
Type of gen. func.: ogf_with_Euler_transform]

$$[2 - x]$$

Sequence: A130130
Score: 63.8621
Type of gen. func.: lgdogf

$$-\frac{2}{(x - 1)\,(x + 1)}$$

Sequence: A130137
Score: 11.1736
Type of gen. func.: ogf

$$-\frac{x^3 + x + 1}{x^4 - x^3 + x^2 + x - 1}$$

Sequence: A130137
Score: 15.1244
Type of gen. func.: lgdogf

$$-\frac{x^6 + 2x^4 + x^2 + 2x + 2}{(x^3 + x + 1)(x^4 - x^3 + x^2 + x - 1)}$$

Sequence: A130137
Score: 5.79681
Type of gen. func.: ogf

$$-(5 f(x) + 1) (f(x) x^4 - f(x) x^3 + f(x) x^2 + x^3 + f(x) x - f(x) + x + 1)$$

Sequence: A130145
Score: 13.3478
Type of gen. func.: ogf_with_Euler_transform]

$$2 x^2 + x + 3$$

Sequence: A130145
Score: 3.88485
Type of gen. func.: ogf

$$\frac{1}{(x + 1) (x^2 + x + 1)^2 (x - 1)^6}$$

Sequence: A130145
Score: 7.22460
Type of gen. func.: lgdogf

$$-\frac{11 x^3 + 14 x^2 + 8 x + 3}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A130151

Score: 12.5970
Type of gen. func.: ogf

$$\{a(n + 3) + a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A130151
Score: 12.7649
Type of gen. func.: ogf

$$(f(x) - 3) (f(x) x^3 - x^2 + f(x) - x - 1)$$

Sequence: A130151
Score: 19.5381
Type of gen. func.: ogf

$$\frac{x^2 + x + 1}{(x + 1) (x^2 - x + 1)}$$

Sequence: A130151
Score: 23.0342
Type of gen. func.: lgdogf

$$- \frac{x^4 + 2 x^3 + 3 x^2 - 2 x - 1}{(x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A130151
Score: 32.9424
Type of gen. func.: ogf_with_Euler_transform]

$$x^5 - 2 x^2 + 1$$

Sequence: A130165
Score: 10.1278
Type of gen. func.: ogf

$$(74 f(x) + 1983) (f(x) x^4 + 10 x^4 + 5 x^3 + 3 x^2 - f(x) + 2 x + 1)$$

Sequence: A130165
Score: 10.9666
Type of gen. func.: lgdogf

$$-\frac{5x^{6}+6x^{5}+6x^{4}+44x^{3}+15x^{2}+6x+2}{(x-1)(x+1)(x^{2}+1)(10x^{4}+5x^{3}+3x^{2}+2x+1)}$$

Sequence: A130165
Score: 14.7313
Type of gen. func.: ogf

$$-\frac{10x^{4}+5x^{3}+3x^{2}+2x+1}{(x-1)(x+1)(x^{2}+1)}$$

Sequence: A130175
Score: 10.3778
Type of gen. func.: ogf

$$(x+1)(x^{4}-x^{3}+x^{2}-x+1)(x^{20}-x^{15}+2x^{11}+x^{10}-2x^{6}-x^{5}+2x^{4}+2x+1) \Big/ \left((x^{4}+x^{3}+x^{2}+x+1)(x^{20}+x^{15}+x^{10}+x^{5}+1)(x-1)^{2}\right)$$

Sequence: A130183
Score: 4.37409
Type of gen. func.: egf]

$$\{(n^{3}+n^{2}-2n)a(n)+(-2n^{2}-4n-1)a(n+1)+(n+2)a(n+2),\ a(0)=1,\ a(1)=-1\}$$

Sequence: A130195
Score: 24.2400
Type of gen. func.: ogf_with_Euler_transform]

$$[2 x^3 - 4 x + 3]$$

Sequence: A130195
Score: 9.16544
Type of gen. func.: ogf

$$-\frac{(x + 1)^2}{(x - 1) (x^2 + 1)^2}$$

Sequence: A130196
Score: 13.0433
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n), a(0) = 1, a(1) = 2, a(2) = 2\}$$

Sequence: A130196
Score: 14.7954
Type of gen. func.: ogf

$$f(x) (f(x) x^3 + 2 x^2 - f(x) + 2 x + 1)$$

Sequence: A130196
Score: 17.3692
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 4 x^3 + 3 x^2 + 4 x + 2}{(x - 1) (x^2 + x + 1) (2 x^2 + 2 x + 1)}$$

Sequence: A130196
Score: 20.2305
Type of gen. func.: ogf

$$-\frac{2 x^2 + 2 x + 1}{2}$$

$$(x - 1) (x + x + 1)$$

Sequence: A130198
Score: 10.5450
Type of gen. func.: lgdogf

$$- \frac{x^2 (2 x^5 - x^4 - 4 x^3 + 8 x^2 - 6 x + 3)}{(x - 1) (x^3 - x + 1) (x^4 + 1)}$$

Sequence: A130198
Score: 6.27065
Type of gen. func.: ogf

$$f(x) (f(x) x^5 - f(x) x^4 + x^4 + f(x) x - x^2 - f(x) + x)$$

Sequence: A130198
Score: 7.54868
Type of gen. func.: ogf

$$- \frac{x (x^3 - x + 1)}{(x - 1) (x^4 + 1)}$$

Sequence: A130205
Score: 11.5170
Type of gen. func.: lgdogf

$$- \frac{x^6 - 4 x^5 + 5 x^4 + 4 x^3 + 2 x^2 + 8 x + 2}{(x - 1) (x^2 + x + 1) (x^4 - 3 x^3 + 3 x^2 + 1)}$$

Sequence: A130205
Score: 9.49802
Type of gen. func.: ogf

$$- \frac{x^4 - 3 x^3 + 3 x^2 + 1}{}$$

$$(x^2 + x + 1) (x - 1)^3$$

Sequence: A130213
Score: 11.375
Type of gen. func.: ogf

$$-81 f(x) x^2 + 30 f(x) x - f(x) + 12 x$$

Sequence: A130213
Score: 15.8313
Type of gen. func.: revogf

$$-\frac{-2 - 5 x + 2 (x + 1)^{1/2} (1 + 4 x)^{1/2}}{27 x}$$

Sequence: A130213
Score: 17.6312
Type of gen. func.: ogf

$$\frac{12 x}{(27 x - 1) (3 x - 1)}$$

Sequence: A130213
Score: 24.0200
Type of gen. func.: lgdogf

$$-\frac{6 (-5 + 27 x)}{(27 x - 1) (3 x - 1)}$$

Sequence: A130213
Score: 8.39583
Type of gen. func.: ogf

$$\{a(n + 2) - 30 a(n + 1) + 81 a(n), a(0) = 0, a(1) = 12\}$$

Sequence: A130214

Score: 10.1552
Type of gen. func.: ogf

$$-625 f(x) x^2 + 130 f(x) x - f(x) + 60 x$$

Sequence: A130214
Score: 11.4609
Type of gen. func.: revogf

$$-\frac{-6 - 13 x + 2 (3 + 4 x)^{1/2} (1 + 3 x)^{1/2} 3^{1/2}}{125 x}$$

Sequence: A130214
Score: 15.4746
Type of gen. func.: ogf

$$\frac{60 x}{(125 x - 1) (5 x - 1)}$$

Sequence: A130214
Score: 19.4487
Type of gen. func.: lgdogf

$$-\frac{10 (-13 + 125 x)}{(125 x - 1) (5 x - 1)}$$

Sequence: A130214
Score: 7.55735
Type of gen. func.: ogf

$$\{a(n + 2) - 130 a(n + 1) + 625 a(n), a(0) = 0, a(1) = 60\}$$

Sequence: A130215
Score: 10.0284
Type of gen. func.: revogf

$$-\frac{-12 - 25 x + 2 (3 x + 2)^{1/2} (3 + 8 x)^{1/2} 2^{1/2} 3^{1/2}}{343 x}$$

Sequence: A130215
Score: 14.9947
Type of gen. func.: ogf

$$\frac{168 x}{(343 x - 1) (7 x - 1)}$$

Sequence: A130215
Score: 19.7530
Type of gen. func.: lgdogf

$$- \frac{14 (-25 + 343 x)}{(343 x - 1) (7 x - 1)}$$

Sequence: A130215
Score: 7.49733
Type of gen. func.: ogf

$$\{a(n + 2) - 350 a(n + 1) + 2401 a(n), a(0) = 0, a(1) = 168\}$$

Sequence: A130215
Score: 9.99643
Type of gen. func.: ogf

$$-2401 f(x) x^2 + 350 f(x) x - f(x) + 168 x$$

Sequence: A130216
Score: 9.12508
Type of gen. func.: ogf

$$- \frac{3 x^8 - 2 x^7 + x^4 - 2 x + 3}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A130218
Score: 16.0528

Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 12 x^2 - 2 x - 3}{(x - 1) (x^3 - 5 x^2 + 2 x - 1)}$$

Sequence: A130218
Score: 3.82224
Type of gen. func.: ogf

$$\{(345 n^2 + 2641 n + 4818) a(n + 1) + (-567 n^2 - 2973 n - 2820) a(n + 2) + (222 n^2 + 824 n + 474) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 10\}$$

Sequence: A130218
Score: 8.65495
Type of gen. func.: ogf

$$\frac{x^3 - 5 x^2 + 2 x - 1}{(x - 1)^5}$$

Sequence: A130240
Score: 13.0274
Type of gen. func.: ogf

$$\frac{x (x^{24} + x^8 + x^3 + 2)}{(x - 1)^2}$$

Sequence: A130240
Score: 13.0389
Type of gen. func.: lgdogf

$$\frac{22 x^{24} - 24 x^{23} + 6 x^8 - 8 x^7 + x^3 - 3 x^2 - 4}{(x - 1) (x^{24} + x^8 + x^3 + 2)}$$

Sequence: A130259
Score: 6.77327
Type of gen. func.: ogf

$$-\frac{x\,(x^{49}+x^{47}-x^{33}-2\,x^{20}-x^{15}-x^{13}-x^{7}-x^{2}-1)}{(x-1)\,(x^{47}-x^{13}-1)}$$

Sequence: A130404
Score: 16.4148
Type of gen. func.: lgdogf

$$-\frac{2\,(x^{4}-x^{3}+3\,x^{2}+2\,x+1)}{(x-1)\,(x+1)\,(x^{3}-x^{2}+x+1)}$$

Sequence: A130404
Score: 9.84601
Type of gen. func.: ogf

$$-\frac{x^{3}-x^{2}+x+1}{(x+1)^{2}\,(x-1)^{3}}$$

Sequence: A130423
Score: 10.8845
Type of gen. func.: ogf

$$\frac{7\,x^{2}-2\,x+4}{(x-1)^{4}}$$

Sequence: A130423
Score: 20.4549
Type of gen. func.: lgdogf

$$-\frac{2\,(7\,x^{2}+4\,x+7)}{{}^{2}}$$

$$(x - 1) (7 x - 2 x + 4)$$

Sequence: A130423
Score: 3.69966
Type of gen. func.: ogf

$$\{(4 n + 16) a(n + 4) + (-32 - 6 n) a(n + 3) + (10 + 9 n) a(n + 2) + (-21 - 7 n) a(n + 1), a(0) = 4, a(1) = 14, a(2) = 39, a(3) = 88\}$$

Sequence: A130423
Score: 5.52228
Type of gen. func.: ogf

$$(4194 f(x) + 11623) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 7 x^2 + f(x) + 2 x - 4)$$

Sequence: A130424
Score: 12.9500
Type of gen. func.: lgdogf

$$- \frac{x^4 + 4 x^3 - 45 x^2 - 70 x - 30}{(x - 1) (x^4 - 15 x^2 - 10 x - 4)}$$

Sequence: A130424
Score: 8.01447
Type of gen. func.: ogf

$$\frac{x^4 - 15 x^2 - 10 x - 4}{(x - 1)^5}$$

Sequence: A130429
Score: 3.63723
Type of gen. func.: ogf

$$10 x (2826383 x^6 + 673617 x^5 + 20746383 x^4 + 25753617 x^3 + 2826383 x^2$$

$$+ 673617 x + 946500000) / ((x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A130431
Score: 23.6811
Type of gen. func.: lgdogf

$$- \frac{2}{x - 1}$$

Sequence: A130431
Score: 3.18438
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 10000000000 x$$

Sequence: A130446
Score: 10.5659
Type of gen. func.: ogf

$$-(f(x) + 1) (f(x) x^2 - 2 f(x) x + f(x) - 1)$$

Sequence: A130446
Score: 10.9525
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A130446
Score: 110.124
Type of gen. func.: lgdogf

$$- \frac{2}{x - 1}$$

Sequence: A130446
Score: 27.2152

Type of gen. func.: ogf

$$\frac{1}{(x-1)^2}$$

Sequence: A130446
Score: 38.3041
Type of gen. func.: revogf

$$\frac{4x}{(1+(1+4x)^{1/2})^2}$$

Sequence: A130472
Score: 16.5120
Type of gen. func.: ogf

$$\frac{x}{(x-1)(x+1)^2}$$

Sequence: A130472
Score: 35.2515
Type of gen. func.: ogf_with_Euler_transform]

[2 x - 1]

Sequence: A130472
Score: 41.1476
Type of gen. func.: lgdogf

$$-\frac{3x-1}{(x-1)(x+1)}$$

Sequence: A130472
Score: 6.69406
Type of gen. func.: ogf

{a(n + 3) + a(n + 2) - a(n + 1) - a(n), a(0) = 0, a(1) = -1, a(2) = 1}

Sequence: A130472
Score: 9.64988
Type of gen. func.: ogf

$$-f(x) x^3 - f(x) x^2 + f(x) x + f(x) + x$$

Sequence: A130481
Score: 15.8822
Type of gen. func.: ogf

$$\frac{x (1 + 2 x)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A130481
Score: 21.2480
Type of gen. func.: lgdogf

$$-\frac{3 (x + 1) (2 x^2 + 1)}{(x - 1) (1 + 2 x) (x^2 + x + 1)}$$

Sequence: A130481
Score: 5.52004
Type of gen. func.: ogf

$$\{(-3 n - 10) a(n + 1) - 3 a(n + 2) - 3 a(n + 3) + (3 n + 7) a(n + 4), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 3\}$$

Sequence: A130481
Score: 7.87206
Type of gen. func.: ogf

$$-(234 f(x) + 547) (f(x) x^4 - f(x) x^3 - f(x) x - 2 x^2 + f(x) - x)$$

Sequence: A130482

Score: 13.1015
Type of gen. func.: lgdogf

$$-\frac{9x^5+11x^4+10x^3+6x^2+9x+3}{(x-1)(x+1)(x^2+1)(3x^2+2x+1)}$$

Sequence: A130482
Score: 13.9029
Type of gen. func.: ogf

$$\frac{x(3x^2+2x+1)}{(x+1)(x^2+1)(x-1)^2}$$

Sequence: A130483
Score: 12.2246
Type of gen. func.: ogf

$$\frac{x(4x^3+3x^2+2x+1)}{(x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A130483
Score: 9.35986
Type of gen. func.: lgdogf

$$-\frac{12x^7+16x^6+17x^5+15x^4+10x^3+18x^2+9x+3}{(x-1)(4x^3+3x^2+2x+1)(x^4+x^3+x^2+x+1)}$$

Sequence: A130484
Score: 10.7414
Type of gen. func.: ogf

$$\frac{x(5x^4+4x^3+3x^2+2x+1)}{(x+1)(x^2+x+1)(x^2-x+1)(x-1)^2}$$

Sequence: A130484
Score: 7.33015
Type of gen. func.: lgdogf

$$- \frac{3 (5 x^9 + 7 x^8 + 8 x^7 + 8 x^6 + 7 x^5 + 5 x^4 + 10 x^3 + 6 x^2 + 3 x + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1)}$$

Sequence: A130485
Score: 9.83092
Type of gen. func.: ogf

$$\frac{x (6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A130486
Score: 8.98458
Type of gen. func.: ogf

$$\frac{x (7 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1)}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A130487
Score: 8.03968
Type of gen. func.: ogf

$$\frac{x (8 x^7 + 7 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A130488
Score: 7.27349
Type of gen. func.: ogf

$$\frac{x (9 x^8 + 8 x^7 + 7 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1)}{}$$

$$(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2$$

Sequence: A130489
Score: 6.66294
Type of gen. func.: ogf

$$\frac{x (10 x^9 + 9 x^8 + 8 x^7 + 7 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A130490
Score: 6.16939
Type of gen. func.: ogf

$$x (11 x^{10} + 10 x^9 + 9 x^8 + 8 x^7 + 7 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1) \Big/ \left((x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2\right)$$

Sequence: A130496
Score: 20.0409
Type of gen. func.: ogf

$$\frac{2 x^5}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A130496
Score: 20.5954
Type of gen. func.: lgdogf

$$- \frac{6 x^4 + x^3 + x^2 + x + 1}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A130496
Score: 35.9668
Type of gen. func.: ogf_with_Euler_transform]

$$[x^4 + 1]$$

Sequence: A130497
Score: 10.1820
Type of gen. func.: lgdogf

$$-\frac{x^9 + x^8 + x^7 + x^6 + x^5 + 11\,x^4 + x^3 + x^2 + x + 1}{(x - 1)\,(x + 1)\,(x^4 + x^3 + x^2 + x + 1)\,(x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A130497
Score: 16.2039
Type of gen. func.: ogf

$$\frac{(x^4 - x^3 + x^2 - x + 1)\,(x + 1)}{(x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A130497
Score: 31.7548
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9 + 2\,x^4 + 1$$

Sequence: A130505
Score: 10.3653
Type of gen. func.: ogf

$$\{-a(n + 2) + 18\,a(n),\ a(0) = 1,\ a(1) = 3\}$$

Sequence: A130505
Score: 15.3729
Type of gen. func.: revegf]

$$1/6\,2^{1/2}\,(-\ln(1 + 2^{1/2}) + \operatorname{arcsinh}(1 + 6\,x))$$

Sequence: A130505
Score: 16.0416
Type of gen. func.: ogf

$$-\frac{1 + 3 x}{18 x^2 - 1}$$

Sequence: A130505
Score: 17.8658
Type of gen. func.: lgdogf

$$-\frac{3 (18 x^2 + 12 x + 1)}{(1 + 3 x) (18 x^2 - 1)}$$

Sequence: A130505
Score: 9.90805
Type of gen. func.: ogf

$$(6 f(x) - 5) (18 f(x) x^2 - f(x) + 3 x + 1)$$

Sequence: A130507
Score: 29.2190
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^4 + 2 x^3]$$

Sequence: A130507
Score: 7.25797
Type of gen. func.: ogf

$$-\frac{x^2 (x^4 + x^3 + x^2 + x + 1)}{(x - 1) (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A130508
Score: 11.8828
Type of gen. func.: ogf

$$\frac{2 x^3 - 2 x^2 + x + 2}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A130508
Score: 4.99948
Type of gen. func.: ogf

{(n + 4) a(n + 1) + a(n + 2) + a(n + 3) + (-n - 3) a(n + 4), a(0) = 2, a(1) = 3,

a(2) = 1, a(3) = 5}

Sequence: A130508
Score: 6.50726
Type of gen. func.: ogf

$$-(66 f(x) + 203) (f(x) x^4 - f(x) x^3 - 2 x^3 - f(x) x + 2 x^2 + f(x) - x - 2)$$

Sequence: A130508
Score: 7.85971
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - 2 x^4 + 3 x^3 + 13 x^2 - x + 3}{(x - 1) (x^2 + x + 1) (2 x^3 - 2 x^2 + x + 2)}$$

Sequence: A130509
Score: 6.6837
Type of gen. func.: ogf

$$-(15 f(x) + 56) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - x^2 + f(x) + 2 x - 3)$$

Sequence: A130509
Score: 7.74241
Type of gen. func.: ogf

$$\frac{x^3 + x^2 - 2 x + 3}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A130509
Score: 8.10533
Type of gen. func.: lgdogf

$$- \frac{x^5 + 3 x^4 - 4 x^3 + 14 x^2 + 3 x + 1}{(x - 1) (x^2 + x + 1) (x^3 + x^2 - 2 x + 3)}$$

Sequence: A130518
Score: 14.7971
Type of gen. func.: ogf

$$- \frac{x^3}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A130518
Score: 27.9780
Type of gen. func.: lgdogf

$$- \frac{5 x^2 + 2 x + 2}{(x - 1) (x^2 + x + 1)}$$

Sequence: A130518
Score: 33.5989
Type of gen. func.: ogf_with_Euler_transform]

$$[x^2 + 2]$$

Sequence: A130518
Score: 5.23872
Type of gen. func.: ogf

$\{(n + 3) a(n + 1) + 2 a(n + 2) + 2 a(n + 3) + (-n - 1) a(n + 4), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$

Sequence: A130518
Score: 5.89815
Type of gen. func.: ogf

$$-(5 f(x) - 4) (f(x) x^5 - 2 f(x) x^4 + f(x) x^3 - f(x) x^2 + x^3 + 2 f(x) x - f(x))$$

Sequence: A130519
Score: 14.9880
Type of gen. func.: ogf

$$- \frac{x^4}{(x + 1) (x^2 + 1) (x - 1)^3}$$

Sequence: A130519
Score: 20.3409
Type of gen. func.: lgdogf

$$-a(n + 4) + a(n), a(0) = 2, a(1) = 2, a(2) = 2, a(3) = 6$$

Sequence: A130519
Score: 34.0380
Type of gen. func.: ogf_with_Euler_transform]

$$[x^3 + 2]$$

Sequence: A130520
Score: 14.8281
Type of gen. func.: ogf

$$- \frac{x^5}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A130520
Score: 16.9868
Type of gen. func.: lgdogf

$$-\frac{7x^4+2x^3+2x^2+2x+2}{(x-1)(x^4+x^3+x^2+x+1)}$$

Sequence: A130520
Score: 33.6774
Type of gen. func.: ogf_with_Euler_transform]

$$[x^4+2]$$

Sequence: A130532
Score: 8.61994
Type of gen. func.: ogf

$$-\frac{5x^{10}+2x^9+7x^8+x^7+3x^6+5x^5+4x^4+4x^3+5x^2+3x+1}{(x-1)(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)}$$

Sequence: A130543
Score: 115.955
Type of gen. func.: lgdogf

$$-\frac{1}{x-1}$$

Sequence: A130543
Score: 20.6142
Type of gen. func.: ogf

$$x^4+f(x)\,x-f(x)$$

Sequence: A130543
Score: 31.9876
Type of gen. func.: ogf

$$-\frac{x^4}{x - 1}$$

Sequence: A130543
Score: 8.91961
Type of gen. func.: ogf

$$\{-a(n + 5) + a(n + 4), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 1\}$$

Sequence: A130544
Score: 6.99261
Type of gen. func.: ogf

$$\frac{x^5 (x^{19} - x^{18} + x^{13} - x^{12} + 2 x^9 - 2 x^8 + x^5 + 2 x^4 - 3 x^3 + x^2 - x - 1)}{x - 1}$$

Sequence: A130563
Score: 4.94244
Type of gen. func.: ogf

$$\{(-2 n^2 - 21 n - 55) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 36\}$$

Sequence: A130563
Score: 9.44560
Type of gen. func.: lgdegf]

$$-\frac{9 (35 x^3 + 140 x^2 + 84 x + 8)}{(2 x - 1) (35 x^3 + 105 x^2 + 42 x + 2)}$$

Sequence: A130564
Score: 52.3157
Type of gen. func.: revogf

$$-x (x - 1)^5$$

Sequence: A130565
Score: 54.1458
Type of gen. func.: revogf

$$x (x - 1)^6$$

Sequence: A130566
Score: 12.8129
Type of gen. func.: ogf

$$\frac{44 x + 1}{(x - 1)^4}$$

Sequence: A130566
Score: 28.8874
Type of gen. func.: lgdogf

$$- \frac{12 (4 + 11 x)}{(44 x + 1) (x - 1)}$$

Sequence: A130566
Score: 5.02786
Type of gen. func.: ogf

$\{(n + 3) a(n + 3) + (38 + 43 n) a(n + 2) + (-176 - 44 n) a(n + 1), a(0) = 1,$

$a(1) = 48, a(2) = 186\}$

Sequence: A130566
Score: 5.59438
Type of gen. func.: ogf

$(7388050500 f(x) + 213883488649)$

$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + f(x) - 44 x - 1)$

Sequence: A130567
Score: 10.6106
Type of gen. func.: ogf

$$-\frac{2 x^2 - 7 x + 2}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A130567
Score: 5.77067
Type of gen. func.: ogf

{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 8 a(n), a(0) = 2, a(1) = 7, a(2) = 23}

Sequence: A130567
Score: 5.82174
Type of gen. func.: ogf

$$(17 f(x) + 6) (8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x + 2 x^2 - f(x) - 7 x + 2)$$

Sequence: A130567
Score: 9.48741
Type of gen. func.: lgdogf

$$-\frac{16 x^4 - 112 x^3 + 132 x^2 - 52 x + 7}{(x - 1) (2 x - 1) (4 x - 1) (2 x^2 - 7 x + 2)}$$

Sequence: A130578
Score: 11.7565
Type of gen. func.: ogf

$$\frac{x^2}{(x - 1) (x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A130578
Score: 12.5085

Type of gen. func.: lgdogf

$$-\frac{5 x^4 - 4 x^3 - 3 x^2 + 6 x - 3}{(x - 1) (x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A130578
Score: 5.7275
Type of gen. func.: ogf

$$f(x) x^5 - f(x) x^4 - f(x) x^3 + 3 f(x) x^2 - 3 f(x) x - x^2 + f(x)$$

Sequence: A130599
Score: 10.7316
Type of gen. func.: ogf

$$3 f(x) x^4 - 4 f(x) x^2 + x^3 + 3 x^2 + f(x) - x - 1$$

Sequence: A130608
Score: 6.80774
Type of gen. func.: ogf

$$\frac{x (24 x^5 + 119 x^4 + 24 x^3 - 116 x^2 - 357 x - 28)}{(x - 1) (x^6 - 6 x^3 + 1)}$$

Sequence: A130609
Score: 6.92823
Type of gen. func.: ogf

$$\frac{x (28 x^5 + 167 x^4 + 28 x^3 - 136 x^2 - 501 x - 32)}{(x - 1) (x^6 - 6 x^3 + 1)}$$

Sequence: A130610
Score: 5.90442
Type of gen. func.: ogf

$$\frac{x (36 x^5 + 287 x^4 + 36 x^3 - 176 x^2 - 861 x - 40)}{(x - 1) (x^6 - 6 x^3 + 1)}$$

Sequence: A130612
Score: 3.24528
Type of gen. func.: ogf

$\{-a(n + 3) + 1110 a(n + 2) - 111000 a(n + 1) + 1000000 a(n), a(0) = 1,$

$a(1) = 385, a(2) = 338350\}$

Sequence: A130612
Score: 5.32867
Type of gen. func.: ogf

$$- \frac{22000 x^2 - 725 x + 1}{(100 x - 1) (1000 x - 1) (10 x - 1)}$$

Sequence: A130619
Score: 4.48418
Type of gen. func.: ogf

$\{a(n + 1) + (n + 4) a(n + 3) - a(n + 4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 6$

$\}$

Sequence: A130624
Score: 12.4037
Type of gen. func.: ogf

$$- \frac{x (1 + 2 x)}{(2 x - 1) (x^2 - x + 1)}$$

Sequence: A130624
Score: 16.9906
Type of gen. func.: lgdogf

^{3}

$$-\frac{8 x - 6 x + 5}{(1 + 2 x) (2 x - 1) (x^2 - x + 1)}$$

Sequence: A130624
Score: 6.36947
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 0, a(1) = 1, a(2) = 5\}$$

Sequence: A130624
Score: 6.96073
Type of gen. func.: ogf

$$-(251 f(x) - 390) (2 f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x) + x)$$

Sequence: A130625
Score: 11.4199
Type of gen. func.: lgdogf

$$-\frac{4 x^4 - 4 x^3 - 9 x^2 + 10 x - 4}{(x - 1) (1 + 2 x) (2 x - 1) (x^2 - x + 1)}$$

Sequence: A130625
Score: 11.6472
Type of gen. func.: ogf

$$\frac{(1 + 2 x) (x - 1)}{(2 x - 1) (x^2 - x + 1)}$$

Sequence: A130625
Score: 6.23224
Type of gen. func.: ogf

$$(59 f(x) - 654) (2 f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 2 x^2 - f(x) + x + 1)$$

Sequence: A130625
Score: 6.34354
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 4, a(2) = 7\}$$

Sequence: A130626
Score: 11.1798
Type of gen. func.: lgdogf

$$-\frac{8 x^4 - 24 x^3 + 24 x^2 - 10 x + 3}{(2 x - 1) (x^2 - x + 1) (4 x^2 - 6 x + 3)}$$

Sequence: A130626
Score: 11.5903
Type of gen. func.: ogf

$$-\frac{4 x^2 - 6 x + 3}{(2 x - 1) (x^2 - x + 1)}$$

Sequence: A130626
Score: 6.14791
Type of gen. func.: ogf

$$(261 f(x) - 992) (2 f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) - 6 x + 3)$$

Sequence: A130626
Score: 6.31260
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 3, a(1) = 3, a(2) = 4\}$$

Sequence: A130630
Score: 4.27517
Type of gen. func.: ogf

$$-\frac{x^4 + x^3 + x^2 + x + 1}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A130630
Score: 9.52572
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 - x^4 + 1$$

Sequence: A130641
Score: 11.8053
Type of gen. func.: egf]

$$-(f(x) x - f(x) + x)^3$$

Sequence: A130645
Score: 6.77283
Type of gen. func.: ogf

$$\frac{x (40 x^5 + 359 x^4 + 40 x^3 - 196 x^2 - 1077 x - 44)}{(x - 1) (x^6 - 6 x^3 + 1)}$$

Sequence: A130646
Score: 5.73190
Type of gen. func.: ogf

$$\frac{x (52 x^5 + 623 x^4 + 52 x^3 - 256 x^2 - 1869 x - 56)}{(x - 1) (x^6 - 6 x^3 + 1)}$$

Sequence: A130647
Score: 5.78922
Type of gen. func.: ogf

$$x (56 x^5 + 727 x^4 + 56 x^3 - 276 x^2 - 2181 x - 60)$$

$$(x - 1) (x^{6} - 6 x^{3} + 1)$$

Sequence: A130651
Score: 4.31018
Type of gen. func.: ogf

$$- \frac{x^{4} (3 x - 1)}{(6 x - 1) (4 x - 1)^{2} (2 x - 1)^{3}}$$

Sequence: A130651
Score: 6.92456
Type of gen. func.: lgdogf

$$- \frac{720 x^{3} - 636 x^{2} + 184 x - 17}{(6 x - 1) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A130652
Score: 11.1558
Type of gen. func.: ogf

$$\frac{11 x + 9}{(11 x - 1) (x - 1)}$$

Sequence: A130652
Score: 11.3944
Type of gen. func.: revogf

$$- \frac{-9 - 12 x + (100 x^{2} + 260 x + 81)^{1/2}}{22 (x - 1)}$$

Sequence: A130652
Score: 11.6476
Type of gen. func.: lgdogf

$$121 x^{2} + 198 x - 119$$

```
                         - -----------------------------
                           (x - 1) (11 x + 9) (11 x - 1)
```

Sequence: A130652
Score: 5.69657
Type of gen. func.: ogf

```
                                      2
         (1230 f(x) + 3091) (11 f(x) x  - 12 f(x) x + f(x) - 11 x - 9)
```

Sequence: A130652
Score: 6.22648
Type of gen. func.: ogf

```
           {-a(n + 2) + 12 a(n + 1) - 11 a(n), a(0) = 9, a(1) = 119}
```

Sequence: A130656
Score: 10.2661
Type of gen. func.: lgdogf

```
                           5      4       3       2
                     4 (3 x  + 6 x  + 19 x  + 11 x  + 8 x + 1)
                - ------------------------------------------------
                                      4      3       2
                  (x - 1) (x + 1) (4 x  + 5 x  + 11 x  + 3 x + 1)
```

Sequence: A130656
Score: 7.13555
Type of gen. func.: ogf

```
                             4      3       2
                          4 x  + 5 x  + 11 x  + 3 x + 1
                          -----------------------------
                                       3        4
                                (x + 1)  (x - 1)
```

Sequence: A130657
Score: 5.34152
Type of gen. func.: ogf_with_Euler_transform]

```
                                    6    3
                                   x  - x  + 1
```

Sequence: A130658
Score: 17.3911
Type of gen. func.: ogf

$$-\frac{2 x^{2} + 1}{(x - 1) (x^{2} + 1)}$$

Sequence: A130658
Score: 23.1590
Type of gen. func.: lgdogf

$$-\frac{2 x^{4} + x^{2} + 2 x + 1}{(x - 1) (2 x^{2} + 1) (x^{2} + 1)}$$

Sequence: A130658
Score: 8.85083
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A130658
Score: 8.85084
Type of gen. func.: ogf

$$-(8 f(x) - 11) (f(x) x^{3} - f(x) x^{2} + f(x) x + 2 x^{2} - f(x) + 1)$$

Sequence: A130659
Score: 14.5465
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^{5} + 3 x^{4} + 2 x^{3} + 4 x + 1)}{(x - 1) (x + 1) (x^{2} + 1) (4 x^{2} + 2 x + 1)}$$

Sequence: A130659
Score: 15.4664

Type of gen. func.: ogf

$$-\frac{x\,(4\,x^2+2\,x+1)}{(x-1)\,(x+1)\,(x^2+1)}$$

Sequence: A130659
Score: 9.75857
Type of gen. func.: ogf

$$(271\,f(x)+1164)\,(f(x)\,x^4+4\,x^3+2\,x^2-f(x)+x)$$

Sequence: A130668
Score: 6.61495
Type of gen. func.: ogf

$$\frac{x^2\,(x+1)\,(3\,x^3+4\,x^2+3\,x+1)}{(2\,x^2+2\,x+1)\,(1+2\,x)^2}$$

Sequence: A130668
Score: 7.97176
Type of gen. func.: lgdogf

$$-\frac{4\,x^5+12\,x^4+22\,x^3+21\,x^2+10\,x+2}{(1+2\,x)\,(x+1)\,(2\,x^2+2\,x+1)\,(3\,x^3+4\,x^2+3\,x+1)}$$

Sequence: A130683
Score: 11.5282
Type of gen. func.: egf]

$$-4\,f(x)\,x^2+4\,f(x)\,x-f(x)+4$$

Sequence: A130683
Score: 20.6111
Type of gen. func.: egf]

$$\frac{4}{(2 x - 1)^2}$$

Sequence: A130683
Score: 7.64231
Type of gen. func.: ogf

$$\{(-2 n - 6) a(n + 1) + a(n + 2), a(0) = 4, a(1) = 16\}$$

Sequence: A130692
Score: 11.3790
Type of gen. func.: ogf

$$- \frac{9 x^9}{(10 x^9 - 1) (x - 1)^2}$$

Sequence: A130692
Score: 20.2729
Type of gen. func.: lgdogf

$$- \frac{2 (55 x^9 - 45 x^8 - 1)}{(x - 1) (10 x^9 - 1)}$$

Sequence: A130694
Score: 5.36012
Type of gen. func.: ogf

$$- (2 x^{20} - 2 x^{19} + x^{16} - x^{15} + x^{14} - x^{13} + 4 x^9 - 4 x^8 + 2 x^6 - x^5 + x^4 + 6 x^3 - 7 x^2 + 66 x - 68) \Big/ (x - 1)^2$$

Sequence: A130706
Score: 10.2387
Type of gen. func.: ogf

$\{a(n + 2), a(0) = 1, a(1) = 2\}$

Sequence: A130706
Score: 108.075
Type of gen. func.: lgdogf

$$\frac{2}{1 + 2 x}$$

Sequence: A130706
Score: 18.9606
Type of gen. func.: ogf

$$1 + 2 x - f(x)$$

Sequence: A130706
Score: 46.3180
Type of gen. func.: revegf]

$$\frac{2 x}{1 + (1 + 4 x)^{1/2}}$$

Sequence: A130707
Score: 12.0821
Type of gen. func.: ogf

$$\frac{x^2 + x - 1}{(2 x - 1) (x^2 - x + 1)}$$

Sequence: A130707
Score: 13.3871
Type of gen. func.: lgdogf

$$- \frac{2 (x - 1) (x^3 + 3 x^2 - 3 x + 1)}{(2 x - 1) (x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A130707
Score: 6.40878
Type of gen. func.: ogf

$$-(f(x) - 1) (2 f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) - x + 1)$$

Sequence: A130707
Score: 6.58044
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 2, a(2) = 2\}$$

Sequence: A130713
Score: 138.954
Type of gen. func.: lgdogf

$$\frac{2}{x + 1}$$

Sequence: A130713
Score: 14.7597
Type of gen. func.: ogf

$$x^2 + 2 x + 1 - f(x)$$

Sequence: A130713
Score: 24.5489
Type of gen. func.: ogf_with_Euler_transform]

$$[2 - 2 x]$$

Sequence: A130713
Score: 7.82712
Type of gen. func.: ogf

$$\{-a(n + 3), a(0) = 1, a(1) = 2, a(2) = 1\}$$

Sequence: A130716
Score: 11.8666
Type of gen. func.: ogf

$$x^2 + x + 1 - f(x)$$

Sequence: A130716
Score: 16.5702
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^2 + 1]$$

Sequence: A130716
Score: 57.2163
Type of gen. func.: lgdogf

$$\frac{1 + 2 x}{x^2 + x + 1}$$

Sequence: A130716
Score: 6.29288
Type of gen. func.: ogf

$$\{-a(n + 3), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A130717
Score: 14.3685
Type of gen. func.: lgdogf

$$- \frac{2 x^6 + 3 x^5 + 3 x^4 + 2 x^3 + 6 x^2 + 3 x + 1}{(x + 1) (x^2 + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A130717
Score: 28.6463
Type of gen. func.: ogf_with_Euler_transform]

$$-x^4 + 2 x^3 - 1$$

Sequence: A130717
Score: 7.93328
Type of gen. func.: ogf

$$\frac{x (x^4 + x^3 + x^2 + x + 1)}{(x + 1)^2 (x^2 + 1)^2}$$

Sequence: A130722
Score: 12.6058
Type of gen. func.: ogf

$$\frac{x^3 (x^2 + x + 1)}{(x^2 + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A130722
Score: 14.7717
Type of gen. func.: lgdogf

$$- \frac{4 x^5 + 5 x^4 + 8 x^3 + 2 x^2 + 4 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A130722
Score: 22.3801
Type of gen. func.: egf]_with_Euler_transform]

$$1 + x - 1/2 x^2 + 1/6 x^3$$

Sequence: A130723
Score: 6.92223
Type of gen. func.: ogf

8 7 6 5 4 3 2

$$-\frac{3 (x + x + 7 x + 10 x + 4 x + 10 x + 7 x + x + 1)}{(x - 1)^3 (x^2 + x + 1)^3}$$

Sequence: A130724
Score: 10.7076
Type of gen. func.: ogf

$$\frac{x (3 x^4 + 6 x^3 + x^2 + 6 x + 3)}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A130724
Score: 6.49199
Type of gen. func.: ogf

$\{(-n - 4) a(n + 1) + (n + 1) a(n + 4), a(0) = 0, a(1) = 3, a(2) = 6, a(3) = 1\}$

Sequence: A130727
Score: 14.9584
Type of gen. func.: ogf

$$-\frac{x^2 - 2 x - 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A130727
Score: 16.5786
Type of gen. func.: lgdogf

$$-\frac{(x + 1) (2 x^3 - 7 x^2 + 2 x - 3)}{(x - 1) (x^2 + x + 1) (x^2 - 2 x - 1)}$$

Sequence: A130727
Score: 5.56380
Type of gen. func.: ogf

$\{(n + 5) a(n + 1) + a(n + 2) + a(n + 3) + (-n - 4) a(n + 4), a(0) = 1, a(1) = 3,$

a(2) = 2, a(3) = 3}

Sequence: A130727
Score: 7.66775
Type of gen. func.: ogf

$$-(151 f(x) + 580) (f(x) x^4 - f(x) x^3 - f(x) x + x^2 + f(x) - 2 x - 1)$$

Sequence: A130731
Score: 11.0218
Type of gen. func.: ogf

$$(7 f(x) + 2) (f(x) x^4 - f(x) + 2 x + 1)$$

Sequence: A130731
Score: 18.0112
Type of gen. func.: ogf

$$- \frac{1 + 2 x}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A130731
Score: 20.8998
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^4 + 2 x^3 + 1)}{(x - 1) (1 + 2 x) (x + 1) (x^2 + 1)}$$

Sequence: A130734
Score: 7.96204
Type of gen. func.: ogf

$$- x (5 x^{97} + 10 x^{96} + 40 x^9 + 35 x^8 + 30 x^7 + 25 x^6 + 20 x^5 + 15 x^4 + 10 x^3$$

$$+ 6 x^2 + 3 x + 1) / ($$

$$15 x^{97} - 10 x^{96} - 40 x^{11} + 45 x^{10} - x^4 - x^3 - x^2 - x - 1)$$

Sequence: A130744
Score: 26.7944
Type of gen. func.: lgdegf]

$$-\frac{2 (x - 4)}{(x - 1) (x - 3)}$$

Sequence: A130744
Score: 3.24239
Type of gen. func.: ogf

$$\{(-n^2 - 4 n - 4) a(n + 1) + (-3 n^2 - 20 n - 33) a(n + 2) + (6 + 3 n) a(n + 3),$$
$$a(0) = 0, a(1) = 3, a(2) = 16\}$$

Sequence: A130744
Score: 5.09085
Type of gen. func.: egf]

$$(8 f(x) + 9) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 3 x)$$

Sequence: A130744
Score: 9.55651
Type of gen. func.: egf]

$$\frac{x (x - 3)}{(x - 1)^3}$$

Sequence: A130748
Score: 10.3531
Type of gen. func.: ogf

$$-\frac{x^3 - 4 x^2 - 4 x - 17}{(x - 1)^4}$$

Sequence: A130748
Score: 16.8722
Type of gen. func.: lgdogf

$$- \frac{x^3 - 5 x^2 - 20 x - 72}{(x - 1) (x^3 - 4 x^2 - 4 x - 17)}$$

Sequence: A130748
Score: 5.20996
Type of gen. func.: ogf

$$(211396608 f(x) + 3834798935)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + x^3 - 4 f(x) x - 4 x^2 + f(x) - 4 x - 17)$$

Sequence: A130750
Score: 12.0491
Type of gen. func.: ogf

$$- \frac{2 x^2 + 1}{(2 x - 1) (x^2 - x + 1)}$$

Sequence: A130750
Score: 16.0253
Type of gen. func.: lgdogf

$$- \frac{4 x^4 - 2 x + 3}{(2 x - 1) (x^2 - x + 1) (2 x^2 + 1)}$$

Sequence: A130750
Score: 5.97215
Type of gen. func.: ogf

$$-(147 f(x) - 134) (2 f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x) + 1)$$

Sequence: A130750
Score: 6.13212
Type of gen. func.: ogf

$$\{a(n+3) - 3 a(n+2) + 3 a(n+1) - 2 a(n), a(0) = 1, a(1) = 3, a(2) = 8\}$$

Sequence: A130752
Score: 14.0221
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 15 x^2 + 12 x - 5}{(x - 2) (2 x - 1) (x^2 - x + 1)}$$

Sequence: A130752
Score: 14.6458
Type of gen. func.: ogf

$$\frac{x - 2}{(2 x - 1) (x^2 - x + 1)}$$

Sequence: A130752
Score: 6.93058
Type of gen. func.: ogf

$$\{a(n+3) - 3 a(n+2) + 3 a(n+1) - 2 a(n), a(0) = 2, a(1) = 5, a(2) = 9\}$$

Sequence: A130752
Score: 7.25444
Type of gen. func.: ogf

$$(147 f(x) - 428) (2 f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) - x + 2)$$

Sequence: A130755
Score: 11.0338
Type of gen. func.: lgdogf

$$-\frac{8x^4-20x^3+21x^2-10x+4}{(2x-1)(x^2-x+1)(4x^2-5x+3)}$$

Sequence: A130755
Score: 11.2590
Type of gen. func.: ogf

$$-\frac{4x^2-5x+3}{(2x-1)(x^2-x+1)}$$

Sequence: A130755
Score: 6.02454
Type of gen. func.: ogf

$$(57 f(x) - 116) (2 f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) - 5 x + 3)$$

Sequence: A130755
Score: 6.13212
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 3, a(1) = 4, a(2) = 7\}$$

Sequence: A130759
Score: 10.4895
Type of gen. func.: ogf

$$-\frac{x^2+x-1}{(2x-1)(x-1)(x^2-x+1)}$$

Sequence: A130759
Score: 10.5939
Type of gen. func.: lgdogf

```
                    5    4       3       2
```

```
                      4 x  + x  - 18 x  + 25 x  - 14 x + 3
                 - -------------------------------------------
                                       2            2
                   (x - 1) (2 x - 1) (x  - x + 1) (x  + x - 1)
```

Sequence: A130759
Score: 5.56752
Type of gen. func.: ogf

```
(17 f(x) - 4)

             4           3           2                2
    (2 f(x) x  - 5 f(x) x  + 6 f(x) x  - 4 f(x) x + x  + f(x) + x - 1)
```

Sequence: A130764
Score: 2.93229
Type of gen. func.: ogf

```
                                  2
             (f(x) + 2113) (f(x) x  - 2 f(x) x + f(x) + 64 x - 65)
```

Sequence: A130764
Score: 5.61502
Type of gen. func.: ogf

```
                                    64 x - 65
                                  - ---------
                                           2
                                    (x - 1)
```

Sequence: A130764
Score: 6.60194
Type of gen. func.: revogf

```
                                                   1/2
                           -65 - 2 x + (4225 + 4 x)
                         - ---------------------------
                                   2 (64 + x)
```

Sequence: A130764
Score: 8.36246
Type of gen. func.: lgdogf

```
                                 2 (-33 + 32 x)
                             - -------------------
                               (x - 1) (64 x - 65)
```

Sequence: A130765
Score: 10.8603
Type of gen. func.: lgdogf

$$-\frac{2\,(-49 + 48\,x)}{(x - 1)\,(96\,x - 97)}$$

Sequence: A130765
Score: 3.76491
Type of gen. func.: ogf

$$(f(x) + 4705)\,(f(x)\,x^2 - 2\,f(x)\,x + f(x) + 96\,x - 97)$$

Sequence: A130765
Score: 4.03383
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\,a(n + 1) - a(n),\ a(0) = 97,\ a(1) = 98\}$$

Sequence: A130765
Score: 7.20940
Type of gen. func.: ogf

$$-\frac{96\,x - 97}{(x - 1)^2}$$

Sequence: A130765
Score: 8.57395
Type of gen. func.: revogf

$$-\frac{-97 - 2\,x + (9409 + 4\,x)^{1/2}}{2\,(96 + x)}$$

Sequence: A130766
Score: 12.1073

Type of gen. func.: lgdogf

$$-\frac{x^7+3x^6+2x^5+2x^4+10x^3+4x^2+x+1}{(x-1)(x+1)(x^2+1)(x^4+x^3+1)}$$

Sequence: A130766
Score: 13.8615
Type of gen. func.: ogf

$$\frac{x^4+x^3+1}{(x+1)(x^2+1)(x-1)^2}$$

Sequence: A130770
Score: 6.25621
Type of gen. func.: lgdogf

$$-(x^{10}+2x^9+21x^8+48x^7+27x^6+102x^5+99x^4+24x^3+39x^2+14x+1) / ((x-1)(x^2+x+1)(x^8+x^7+7x^6+10x^5+4x^4+10x^3+7x^2+x+1))$$

Sequence: A130770
Score: 7.31914
Type of gen. func.: ogf

$$-\frac{x^8+x^7+7x^6+10x^5+4x^4+10x^3+7x^2+x+1}{(x-1)^3(x^2+x+1)}$$

Sequence: A130772
Score: 10.2602
Type of gen. func.: ogf_with_Euler_transform]

$$x^5-x^2-x+1$$

Sequence: A130772
Score: 10.3135
Type of gen. func.: ogf

$$\frac{2}{x^2 - x + 1}$$

Sequence: A130772
Score: 24.9935
Type of gen. func.: lgdogf

$$-\frac{2 x - 1}{x^2 - x + 1}$$

Sequence: A130772
Score: 4.15056
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) - a(n), a(0) = 2, a(1) = 2\}$$

Sequence: A130772
Score: 5.76858
Type of gen. func.: ogf

$$f(x) x^2 - f(x) x + f(x) - 2$$

Sequence: A130773
Score: 17.2751
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x - 2)}{(x - 1)^2}$$

Sequence: A130773
Score: 37.3804
Type of gen. func.: lgdogf

$$-\frac{-5 + x}{(x - 1)\,(x - 2)\,(x + 1)}$$

Sequence: A130773
Score: 8.71397
Type of gen. func.: ogf

$$\{-a(n + 4) + 2\,a(n + 3) - a(n + 2),\ a(0) = 0,\ a(1) = 2,\ a(2) = 5,\ a(3) = 7\}$$

Sequence: A130773
Score: 9.94625
Type of gen. func.: ogf

$$(8\,f(x) + 341)\,(f(x)\,x^{2} + x^{3} - 2\,f(x)\,x - x^{2} + f(x) - 2\,x)$$

Sequence: A130778
Score: 5.23737
Type of gen. func.: ogf

$$-(4\,f(x) + 17)\,(f(x)\,x^{3} - 2\,f(x)\,x^{2} + 2\,f(x)\,x + x^{2} - f(x) - 3\,x + 1)$$

Sequence: A130778
Score: 5.42443
Type of gen. func.: ogf

$$\{a(n + 3) - 2\,a(n + 2) + 2\,a(n + 1) - a(n),\ a(0) = 1,\ a(1) = -1,\ a(2) = -3\}$$

Sequence: A130778
Score: 7.68299
Type of gen. func.: lgdogf

$$-\frac{x^{4} - 6\,x^{3} + 7\,x^{2} - 2\,x - 1}{(x - 1)\,(x^{2} - 3\,x + 1)\,(x^{2} - x + 1)}$$

Sequence: A130778
Score: 9.95961
Type of gen. func.: ogf

$$-\frac{x^2 - 3x + 1}{(x - 1)(x^2 - x + 1)}$$

Sequence: A130779
Score: 14.7597
Type of gen. func.: ogf

$$2x^2 + x + 1 - f(x)$$

Sequence: A130779
Score: 51.1936
Type of gen. func.: lgdogf

$$\frac{1 + 4x}{2x^2 + x + 1}$$

Sequence: A130779
Score: 7.82712
Type of gen. func.: ogf

$$\{-a(n + 3), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A130781
Score: 11.8652
Type of gen. func.: ogf

$$-\frac{2x^2 - 2x + 1}{(2x - 1)(x^2 - x + 1)}$$

Sequence: A130781
Score: 12.2378
Type of gen. func.: lgdogf

$$-\frac{4 x^4 - 8 x^3 + 6 x^2 - 2 x + 1}{(2 x - 1) (x^2 - x + 1) (2 x^2 - 2 x + 1)}$$

Sequence: A130781
Score: 6.29371
Type of gen. func.: ogf

$$-(5 f(x) - 2) (2 f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x) - 2 x + 1)$$

Sequence: A130781
Score: 6.46230
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A130782
Score: 12.7009
Type of gen. func.: lgdogf

$$-\frac{x^8 + 2 x^7 + 6 x^6 + 4 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 4 x + 1}{(x - 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + 1)}$$

Sequence: A130782
Score: 18.0765
Type of gen. func.: ogf

$$-\frac{(x^2 + 1) (x^2 + x + 1)}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A130782
Score: 28.6083
Type of gen. func.: ogf_with_Euler_transform]

$$x^4 - x^3 - x^2 + x + 1$$

Sequence: A130784
Score: 10.2567
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n), a(0) = 1, a(1) = 3, a(2) = 2\}$$

Sequence: A130784
Score: 13.3630
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 6 x^3 + 3 x^2 + 4 x + 3}{(x - 1) (1 + 2 x) (x + 1) (x^2 + x + 1)}$$

Sequence: A130784
Score: 15.9084
Type of gen. func.: ogf

$$-\frac{(x + 1) (1 + 2 x)}{(x - 1) (x^2 + x + 1)}$$

Sequence: A130784
Score: 9.62359
Type of gen. func.: ogf

$$-(39 f(x) - 83) (f(x) x^3 + 2 x^2 - f(x) + 3 x + 1)$$

Sequence: A130785
Score: 14.6458
Type of gen. func.: ogf

$$-\frac{x + 1}{(2 x - 1) (x^2 - x + 1)}$$

Sequence: A130785
Score: 6.93058
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 4, a(2) = 9\}$$

Sequence: A130785
Score: 6.98856
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 3 x^2 - 6 x + 4}{(2 x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A130785
Score: 6.99302
Type of gen. func.: ogf

$$-(285 f(x) + 664) (2 f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + x + 1)$$

Sequence: A130793
Score: 11.2632
Type of gen. func.: ogf

$$-(150 f(x) + 587) (f(x) x^3 + 5 x^2 - f(x) + 3 x + 1)$$

Sequence: A130793
Score: 12.3007
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n), a(0) = 1, a(1) = 3, a(2) = 5\}$$

Sequence: A130793
Score: 15.8005
Type of gen. func.: lgdogf

$$-\frac{5 x^4 + 6 x^3 + 3 x^2 + 10 x + 3}{(x - 1) (x^2 + x + 1) (5 x^2 + 3 x + 1)}$$

Sequence: A130793
Score: 19.0786
Type of gen. func.: ogf

$$-\frac{5 x^2 + 3 x + 1}{(x - 1) (x^2 + x + 1)}$$

Sequence: A130794
Score: 11.9853
Type of gen. func.: ogf

$$(93 f(x) - 325) (f(x) x^3 + 3 x^2 - f(x) + 5 x + 1)$$

Sequence: A130794
Score: 12.3007
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n), a(0) = 1, a(1) = 5, a(2) = 3\}$$

Sequence: A130794
Score: 15.8005
Type of gen. func.: lgdogf

$$-\frac{3 x^4 + 10 x^3 + 3 x^2 + 6 x + 5}{(x - 1) (x^2 + x + 1) (3 x^2 + 5 x + 1)}$$

Sequence: A130794
Score: 19.0786
Type of gen. func.: ogf

$$-\frac{3 x^2 + 5 x + 1}{(x - 1) (x^2 + x + 1)}$$

Sequence: A130806
Score: 12.6020
Type of gen. func.: revogf

$$-\frac{-1 - x + (-3 x^2 + 14 x + 1)^{1/2}}{2 (x - 3)}$$

Sequence: A130806
Score: 14.8933
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 2 x - 4}{(1 + 3 x) (x^2 - x + 1)}$$

Sequence: A130806
Score: 4.85696
Type of gen. func.: ogf

$$(f(x) + 7) (f(x) x^2 - f(x) x + f(x) - 3 x - 1)$$

Sequence: A130806
Score: 5.03466
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A130806
Score: 9.17427
Type of gen. func.: ogf

$$\frac{1 + 3 x}{x^2 - x + 1}$$

Sequence: A130809
Score: 15.4767
Type of gen. func.: ogf

$$\frac{8}{(x-1)^4}$$

Sequence: A130809
Score: 6.48169
Type of gen. func.: ogf

$$(f(x) + 8) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + f(x) - 8)$$

Sequence: A130809
Score: 7.22245
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (n + 5) a(n + 1), a(0) = 8, a(1) = 32\}$$

Sequence: A130809
Score: 92.9628
Type of gen. func.: lgdogf

$$- \frac{4}{x - 1}$$

Sequence: A130810
Score: 12.2835
Type of gen. func.: ogf

$$- \frac{16}{(x - 1)^5}$$

Sequence: A130810
Score: 6.95292
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (6 + n) a(n + 1), a(0) = 16, a(1) = 80\}$$

Sequence: A130810
Score: 90.3630
Type of gen. func.: lgdogf

$$-\frac{5}{x - 1}$$

Sequence: A130811
Score: 10.0557
Type of gen. func.: ogf

$$\frac{32}{(x - 1)^{6}}$$

Sequence: A130811
Score: 6.48453
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (7 + n) a(n + 1), a(0) = 32, a(1) = 192}

Sequence: A130811
Score: 85.0300
Type of gen. func.: lgdogf

$$-\frac{6}{x - 1}$$

Sequence: A130812
Score: 7.27921
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (8 + n) a(n + 1), a(0) = 64, a(1) = 448}

Sequence: A130812
Score: 81.1601
Type of gen. func.: lgdogf

$$-\frac{7}{x - 1}$$

Sequence: A130812
Score: 9.98558
Type of gen. func.: ogf

$$-\frac{64}{(x-1)^7}$$

Sequence: A130813
Score: 6.30696
Type of gen. func.: ogf

$$\{(-n - 2)\ a(n + 2) + (9 + n)\ a(n + 1),\ a(0) = 128,\ a(1) = 1024\}$$

Sequence: A130813
Score: 7.81203
Type of gen. func.: ogf

$$\frac{128}{(x-1)^8}$$

Sequence: A130813
Score: 84.3033
Type of gen. func.: lgdogf

$$-\frac{8}{x-1}$$

Sequence: A130815
Score: 13.9704
Type of gen. func.: ogf

$$\frac{1+4x}{x^2-x+1}$$

Sequence: A130815
Score: 20.1454
Type of gen. func.: revogf

$$-\frac{-1 - x + (-3 x^2 + 18 x + 1)^{1/2}}{2 (x - 4)}$$

Sequence: A130815
Score: 23.1977
Type of gen. func.: lgdogf

$$-\frac{4 x^2 + 2 x - 5}{(1 + 4 x) (x^2 - x + 1)}$$

Sequence: A130815
Score: 7.31012
Type of gen. func.: ogf

$$(3 f(x) + 22) (f(x) x^2 - f(x) x + f(x) - 4 x - 1)$$

Sequence: A130815
Score: 7.66671
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A130823
Score: 15.8328
Type of gen. func.: lgdogf

$$-\frac{x^5 + x^4 + x^3 + 7 x^2 + x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A130823
Score: 15.8571
Type of gen. func.: ogf

$$\frac{(x+1)(x^2-x+1)}{(x^2+x+1)(x-1)^2}$$

Sequence: A130823
Score: 31.0689
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5+2x^2+1$$

Sequence: A130823
Score: 7.28915
Type of gen. func.: ogf

{-a(n + 4) + a(n + 3) + a(n + 1) - a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 3

}

Sequence: A130823
Score: 8.07012
Type of gen. func.: ogf

$$-(8 f(x) + 17) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x + f(x) - 1)$$

Sequence: A130824
Score: 10.5211
Type of gen. func.: ogf

$$f(x) (f(x) x^2 - 2 f(x) x - 2 x^2 + f(x) - 2 x)$$

Sequence: A130824
Score: 17.3920
Type of gen. func.: ogf

$$\frac{2x(x+1)}{(x-1)^2}$$

```
------------------------------------------------------------------------------

Sequence:  A130824
Score: 31.1101
Type of gen. func.: revogf

                                                1/2
                              -1 - x + (1 + 4 x)
                            - ---------------------
                                      x - 2



------------------------------------------------------------------------------

Sequence:  A130824
Score: 40.4110
Type of gen. func.: ogf_with_Euler_transform]

                                    [3 - x]



------------------------------------------------------------------------------

Sequence:  A130824
Score: 46.6652
Type of gen. func.: lgdogf

                                      x + 3
                               - ---------------
                                 (x - 1) (x + 1)



------------------------------------------------------------------------------

Sequence:  A130824
Score: 8.43768
Type of gen. func.: ogf

        {a(n + 3) - 2 a(n + 2) + a(n + 1), a(0) = 0, a(1) = 2, a(2) = 6}



------------------------------------------------------------------------------

Sequence:  A130840
Score: 5.10372
Type of gen. func.: ogf

                   7      6      5    4      3      2
                  x  - 3 x  + 3 x  - x  + 4 x  - 6 x  + 4 x - 1
                - ----------------------------------------------
                                                3
                               (2 x - 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A130842
Score: 7.97575
Type of gen. func.: lgdogf
```

$$\frac{960 x^{14} - 2000 x^{13} + 1040 x^{12} + 6 x^4 - 15 x^3 + 9 x^2 - 3 x + 5}{(x - 1) (80 x^{14} - 80 x^{13} + 3 x^4 - 3 x^3 + 3 x^2 - 3 x - 1)}$$

Sequence: A130842
Score: 9.20365
Type of gen. func.: ogf

$$- \frac{2 (80 x^{14} - 80 x^{13} + 3 x^4 - 3 x^3 + 3 x^2 - 3 x - 1)}{(x - 1)^2}$$

Sequence: A130844
Score: 4.83572
Type of gen. func.: ogf

$-(146993 f(x) - 468711)$

$$(f(x) x^4 - f(x) x^3 + f(x) x^2 + 4 x^3 + 2 f(x) x - x^2 - f(x) + 3 x)$$

Sequence: A130844
Score: 9.73768
Type of gen. func.: ogf

$$- \frac{x (4 x^2 - x + 3)}{(x + 1) (x^3 - 2 x^2 + 3 x - 1)}$$

Sequence: A130844
Score: 9.86827
Type of gen. func.: lgdogf

$$- \frac{8 x^5 - 7 x^4 + 14 x^3 - 18 x^2 + 14 x + 5}{(x + 1) (4 x^2 - x + 3) (x^3 - 2 x^2 + 3 x - 1)}$$

Sequence: A130845

Score: 26.0770
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{4} + 2 x^{3} + 1$$

Sequence: A130845
Score: 9.09029
Type of gen. func.: lgdogf

$$-\frac{4 x^{7} + 5 x^{6} + 6 x^{5} + 7 x^{4} + 12 x^{3} + 3 x^{2} + 2 x + 1}{(x - 1) (x + 1) (x^{2} + 1) (x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A130845
Score: 9.36737
Type of gen. func.: ogf

$$\frac{x^{3} (x^{4} + x^{3} + x^{2} + x + 1)}{(x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2}}$$

Sequence: A130848
Score: 11.1322
Type of gen. func.: ogf

$$(f(x) + 23) (f(x) x^{2} - f(x) x + f(x) - 3 x - 2)$$

Sequence: A130848
Score: 11.6752
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) - a(n), a(0) = 2, a(1) = 5\}$$

Sequence: A130848
Score: 21.2749
Type of gen. func.: ogf

$$\frac{3 x + 2}{}$$

$$x^2 - x + 1$$

Sequence: A130848
Score: 30.1216
Type of gen. func.: revogf

$$-\frac{-2 - x + (-3 x^2 + 16 x + 4)^{1/2}}{2 (x - 3)}$$

Sequence: A130848
Score: 35.5983
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 4 x - 5}{(3 x + 2) (x^2 - x + 1)}$$

Sequence: A130857
Score: 33.6912
Type of gen. func.: lgdogf

$$-\frac{5 x - 17}{(x - 1) (x - 3)}$$

Sequence: A130857
Score: 4.75617
Type of gen. func.: ogf

$$\{(-6 - 3 n) a(n + 3) + (21 + 4 n) a(n + 2) + (-n - 5) a(n + 1), a(0) = 0,$$

$$a(1) = 3, a(2) = 17\}$$

Sequence: A130857
Score: 8.54977
Type of gen. func.: ogf

$$-\frac{x (x - 3)}{(x - 1)^6}$$

Sequence: A130859
Score: 15.9912
Type of gen. func.: ogf

$$-\frac{1726 x + 1}{(x - 1)^3}$$

Sequence: A130859
Score: 28.4214
Type of gen. func.: lgdogf

$$-\frac{1729 + 3452 x}{(1726 x + 1) (x - 1)}$$

Sequence: A130859
Score: 6.63339
Type of gen. func.: ogf

$$(88996007926661 f(x) - 92219453850225021)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 1726 x + 1)$$

Sequence: A130859
Score: 7.58905
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 1729, a(2) = 5184}

Sequence: A130861
Score: 13.6353
Type of gen. func.: ogf

$$\frac{x (5 x - 9)}{(x - 1)^3}$$

Sequence: A130861
Score: 29.4511
Type of gen. func.: lgdogf

$$-\frac{2(-11+5x)}{(x-1)(5x-9)}$$

Sequence: A130861
Score: 6.75838
Type of gen. func.: ogf

$$(6960 f(x) - 105469) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 5 x^2 - f(x) + 9 x)$$

Sequence: A130861
Score: 6.93941
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 9, a(2) = 22\}$$

Sequence: A130862
Score: 14.2583
Type of gen. func.: ogf

$$\frac{x (11 x^2 - 35 x + 30)}{(x - 1)^4}$$

Sequence: A130862
Score: 26.1437
Type of gen. func.: lgdogf

$$-\frac{22 x^2 - 83 x + 85}{(x - 1) (11 x^2 - 35 x + 30)}$$

Sequence: A130862
Score: 5.18483
Type of gen. func.: ogf

$$\{(90 + 30 n) a(n + 4) + (-215 - 65 n) a(n + 3) + (129 + 46 n) a(n + 2)$$

$$+ (-22 - 11 n) a(n + 1), a(0) = 0, a(1) = 30, a(2) = 85, a(3) = 171\}$$

Sequence: A130862
Score: 7.17636
Type of gen. func.: ogf

$$(12947904 f(x) + 151425931)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 11 x^3 - 4 f(x) x + 35 x^2 + f(x) - 30 x)$$

Sequence: A130863
Score: 10.2036
Type of gen. func.: lgdogf

$$- \frac{2 (x - 2) (7 x^2 - 22 x + 25)}{(x - 1) (7 x^3 - 31 x^2 + 50 x - 30)}$$

Sequence: A130863
Score: 5.97019
Type of gen. func.: ogf

$$\frac{x (7 x^3 - 31 x^2 + 50 x - 30)}{(x - 1)^5}$$

Sequence: A130869
Score: 10.9972
Type of gen. func.: lgdogf

$$- \frac{6 x^4 - 26 x^3 + 36 x^2 - 24 x + 7}{(x - 1) (x - 2) (2 x - 1) (x^2 - x + 1)}$$

Sequence: A130869
Score: 11.0400
Type of gen. func.: ogf

$$-\frac{x-2}{(2x-1)(x-1)(x^2-x+1)}$$

Sequence: A130869
Score: 5.1018
Type of gen. func.: ogf

$$-(6333 f(x) + 30868)$$

$$(2 f(x) x^4 - 5 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + f(x) + x - 2)$$

Sequence: A130875
Score: 9.35182
Type of gen. func.: ogf

$$-\frac{9x^9+7x^8+x^7+3x^6+x^5+x^4+3x^3+x^2+7x+1}{(x-1)(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)}$$

Sequence: A130876
Score: 11.8554
Type of gen. func.: ogf

$$-\frac{x^2+1727x+1}{(x-1)^3}$$

Sequence: A130876
Score: 19.0963
Type of gen. func.: lgdogf

$$-\frac{x^2+3456x+1730}{(x-1)(x^2+1727x+1)}$$

Sequence: A130876
Score: 6.16864

Type of gen. func.: ogf

$$(2161 f(x) - 2239920) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 1727 x + 1)$$

Sequence: A130876
Score: 6.43003
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 1730, a(2) = 5188}

Sequence: A130877
Score: 14.8171
Type of gen. func.: ogf

$$\frac{x (4 x + 5)}{(x + 1) (x - 1)^2}$$

Sequence: A130877
Score: 23.7826
Type of gen. func.: lgdogf

$$- \frac{8 x^2 + 19 x + 9}{(4 x + 5) (x - 1) (x + 1)}$$

Sequence: A130877
Score: 7.54082
Type of gen. func.: ogf

$$(747 f(x) + 1133) (f(x) x^3 - f(x) x^2 - f(x) x - 4 x^2 + f(x) - 5 x)$$

Sequence: A130877
Score: 7.60876
Type of gen. func.: ogf

{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 5, a(2) = 9}

Sequence: A130881
Score: 10.5211
Type of gen. func.: ogf

$$\frac{x\,(x^{6}+6\,x^{4}-6\,x^{3}+7\,x+1)}{(x+1)\,(x-1)^{2}}$$

Sequence: A130881
Score: 11.3510
Type of gen. func.: lgdogf

$$\frac{3\,x^{7}-x^{6}-6\,x^{4}-18\,x^{3}+4\,x^{2}-10\,x-8}{(x-1)\,(x+1)\,(x^{6}+6\,x^{4}-6\,x^{3}+7\,x+1)}$$

Sequence: A130883
Score: 12.1064
Type of gen. func.: ogf

$$-\frac{4\,x^{2}-x+1}{(x-1)^{3}}$$

Sequence: A130883
Score: 21.2725
Type of gen. func.: lgdogf

$$-\frac{2\,(x+1)\,(1+2\,x)}{(x-1)\,(4\,x^{2}-x+1)}$$

Sequence: A130883
Score: 6.36631
Type of gen. func.: ogf

$$(944\,f(x)-1029)\,(f(x)\,x^{3}-3\,f(x)\,x^{2}+3\,f(x)\,x+4\,x^{2}-f(x)-x+1)$$

Sequence: A130883
Score: 6.59368
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 7\}$$

Sequence: A130884
Score: 15.6372
Type of gen. func.: lgdogf

$$- \frac{(x + 1) (x^2 + 28 x + 7)}{(x - 1) (x^3 + 13 x^2 + 3 x + 1)}$$

Sequence: A130884
Score: 4.62085
Type of gen. func.: ogf

$$(12718863 f(x) + 76309123)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 13 x^2 + f(x) - 3 x - 1)$$

Sequence: A130884
Score: 9.00474
Type of gen. func.: ogf

$$\frac{x^3 + 13 x^2 + 3 x + 1}{(x - 1)^4}$$

Sequence: A130885
Score: 15.3693
Type of gen. func.: lgdogf

$$- \frac{x^3 + 9 x^2 + 45 x + 17}{(x - 1) (x^3 + 3 x^2 + 13 x + 1)}$$

Sequence: A130885
Score: 4.61407
Type of gen. func.: ogf

$$(45893466 f(x) + 317198431)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 3 x^2 + f(x) - 13 x - 1)$$

Sequence: A130885
Score: 9.05068
Type of gen. func.: ogf

$$\frac{x^3 + 3 x^2 + 13 x + 1}{(x - 1)^4}$$

Sequence: A130886
Score: 6.73227
Type of gen. func.: ogf

$$- \frac{3 x^4 + 32 x^3 + 54 x^2 + 6 x + 1}{(x - 1)^5}$$

Sequence: A130886
Score: 9.68827
Type of gen. func.: lgdogf

$$- \frac{3 x^4 + 76 x^3 + 258 x^2 + 132 x + 11}{(x - 1) (3 x^4 + 32 x^3 + 54 x^2 + 6 x + 1)}$$

Sequence: A130893
Score: 8.49963
Type of gen. func.: ogf

$$- \frac{2 x^6 + 7 x^5 - 6 x^4 + 3 x^3 + x^2 + 2 x + 1}{(x - 1) (x^2 + 1) (x^4 - x^2 + 1)}$$

Sequence: A130896
Score: 7.41746
Type of gen. func.: ogf

$$-\frac{x^9+x^8+x^7-4x^6-4x^5-4x^4+3x^3+4x^2+3x+3}{(x-1)^3(x+1)^3(x^2+1)^3}$$

Sequence: A130901
Score: 4.51180
Type of gen. func.: ogf

$$-\frac{5x^7+2x^6-2x^5-16x^4+3x^3-5x^2-15x-1}{(x-1)(10x-1)(x+1)(x^2-x+1)}$$

Sequence: A130902
Score: 5.18445
Type of gen. func.: ogf

$$\frac{x^3(x^6+x^5-x^4+x^3+x^2-3x-1)}{(2x-1)(x^{10}+x^7-2x^5-x^4-x^2-x+1)}$$

Sequence: A130905
Score: 3.15788
Type of gen. func.: ogf

$$\{(n^2+5n+6)a(n+1)+(-n-3)a(n+2)+(-n-4)a(n+3)+a(n+4),$$

$$a(0)=1,\ a(1)=1,\ a(2)=3,\ a(3)=9\}$$

Sequence: A130906
Score: 19.0749
Type of gen. func.: lgdegf]

$$\frac{x^3-x^2-2}{2(x-1)}$$

Sequence: A130906
Score: 4.20441
Type of gen. func.: egf]

$$\{-a(n) + a(n + 1) + (2 n + 8) a(n + 3) + (-2 n - 8) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 7/6, a(4) = 7/6\}$$

Sequence: A130907
Score: 12.3976
Type of gen. func.: lgdegf]

$$4 - 2 x^2 + (x^2 + 2 x - 4) f(x) + (1 - x) f(x)^2$$

Sequence: A130907
Score: 3.11541
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) + (-n - 5) a(n + 3) + a(n + 4), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 22\}$$

Sequence: A130908
Score: 4.64096
Type of gen. func.: egf]

$$\{(-2 n - 10) a(n + 5) + (12 + 2 n) a(n + 4) - a(n + 2) - a(n + 1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 23/6, a(4) = \frac{53}{12}\}$$

Sequence: A130909
Score: 5.74976
Type of gen. func.: ogf

$$- x (15 x^{14} + 14 x^{13} + 13 x^{12} + 12 x^{11} + 11 x^{10} + 10 x^9 + 9 x^8 + 8 x^7 + 7 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1) / ((x - 1) (x + 1) (x^2 + 1)$$

$$(x^4 + 1) (x^8 + 1))$$

Sequence: A130910
Score: 4.78442
Type of gen. func.: ogf

$$x (15 x^{14} + 14 x^{13} + 13 x^{12} + 12 x^{11} + 11 x^{10} + 10 x^9 + 9 x^8 + 8 x^7 + 7 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1) / ((x + 1) (x^2 + 1) (x^4 + 1) (x^8 + 1) (x - 1)^2)$$

Sequence: A130915
Score: 25.0143
Type of gen. func.: lgdegf]

$$- \frac{x (x + 2)}{(x - 1) (x + 1)}$$

Sequence: A130915
Score: 3.12598
Type of gen. func.: ogf

$$\{(-n^2 - 7 n - 12) a(n + 1) + (-n^2 - 7 n - 12) a(n + 2) + a(n + 4), a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 0\}$$

Sequence: A130917
Score: 6.36256
Type of gen. func.: ogf

$$\frac{5 x^5 + x^4 + 2 x^3 + x^2 - x + 1}{(x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A130917
Score: 6.67164
Type of gen. func.: lgdogf

$$-\frac{11x^7+5x^6-12x^5+18x^4+9x^3+3x^2+x+1}{(x-1)(x+1)(x^2-x+1)(5x^5+x^4+2x^3+x^2-x+1)}$$

Sequence: A130974
Score: 17.3911
Type of gen. func.: ogf

$$-\frac{3x^3+1}{(x-1)(x+1)(x^2-x+1)}$$

Sequence: A130974
Score: 18.0125
Type of gen. func.: lgdogf

$$-\frac{3x^6-2x^3+6x^2+1}{(x-1)(x+1)(3x^3+1)(x^2-x+1)}$$

Sequence: A130974
Score: 7.99430
Type of gen. func.: ogf

$$\{-a(n+4)+a(n+3)-a(n+1)+a(n),\ a(0)=1,\ a(1)=1,\ a(2)=1,\ a(3)=3\}$$

Sequence: A130974
Score: 9.26443
Type of gen. func.: ogf

$$(4f(x)-5)(f(x)x^4-f(x)x^3+3x^3+f(x)x-f(x)+1)$$

Sequence: A130976
Score: 11.0942
Type of gen. func.: ogf

$$-25 f(x)^2 x + f(x)^2 + 3 f(x) - 4$$

Sequence: A130976
Score: 12.1900
Type of gen. func.: lgdogf

$$- \frac{5 \left(-5 + 80 x + 3 (1 - 16 x)^{1/2}\right)}{2 (25 x - 1) (-1 + 16 x)}$$

Sequence: A130976
Score: 16.4729
Type of gen. func.: revogf

$$\frac{\left(3 - 25 x + 5 (25 x^2 - 6 x + 1)^{1/2}\right) x}{8}$$

Sequence: A130976
Score: 3.95718
Type of gen. func.: ogf

$$\{(-400 n - 600) a(n + 1) + (41 n + 99) a(n + 2) + (-n - 3) a(n + 3), a(0) = 1, a(1) = 5, a(2) = 45\}$$

Sequence: A130977
Score: 10.5065
Type of gen. func.: lgdogf

$$- \frac{6 \left(-3 + 60 x + 2 (1 - 20 x)^{1/2}\right)}{(36 x - 1) (-1 + 20 x)}$$

Sequence: A130977
Score: 13.2714
Type of gen. func.: revogf

$$\frac{\left(-18 x + 2 + 3 (36 x^2 - 8 x + 1)^{1/2}\right) x}{}$$

5

Sequence: A130977
Score: 3.24304
Type of gen. func.: ogf

$\{(-720 n - 1080) a(n + 1) + (56 n + 138) a(n + 2) + (-n - 3) a(n + 3), a(0) = 1, a(1) = 6, a(2) = 66\}$

Sequence: A130977
Score: 9.20794
Type of gen. func.: ogf

$$-36 f(x)^2 x + f(x)^2 + 4 f(x) - 5$$

Sequence: A130978
Score: 11.8724
Type of gen. func.: revogf

$$\frac{(5 - 49 x + 7 (49 x^2 - 10 x + 1)^{1/2}) x}{12}$$

Sequence: A130978
Score: 2.96321
Type of gen. func.: ogf

$\{(-1176 n - 1764) a(n + 1) + (73 n + 183) a(n + 2) + (-n - 3) a(n + 3), a(0) = 1, a(1) = 7, a(2) = 91\}$

Sequence: A130978
Score: 8.4663
Type of gen. func.: ogf

$$-49 f(x)^2 x + f(x)^2 + 5 f(x) - 6$$

Sequence: A130978

Score: 9.07887
Type of gen. func.: lgdogf

$$-\frac{7\left(-7+168x+5(1-24x)^{1/2}\right)}{2(49x-1)(-1+24x)}$$

Sequence: A130979
Score: 10.2704
Type of gen. func.: ogf

$$-64 f(x)^2 x + f(x)^2 + 6 f(x) - 7$$

Sequence: A130979
Score: 11.5063
Type of gen. func.: lgdogf

$$-\frac{8\left(-4+112x+3(1-28x)^{1/2}\right)}{(64x-1)(-1+28x)}$$

Sequence: A130979
Score: 14.8371
Type of gen. func.: revogf

$$\frac{\left(3-32x+4(64x^2-12x+1)^{1/2}\right)x}{7}$$

Sequence: A130979
Score: 3.57231
Type of gen. func.: ogf

$$\{(-1792n-2688)a(n+1)+(92n+234)a(n+2)+(-n-3)a(n+3),$$

$$a(0)=1,\ a(1)=8,\ a(2)=120\}$$

Sequence: A130980
Score: 12.9388
Type of gen. func.: revogf

$$\frac{\left(7 - 81 x + 9 \left(81 x^{2} - 14 x + 1\right)^{1/2}\right) x}{16}$$

Sequence: A130980
Score: 3.18335
Type of gen. func.: ogf

{(-2592 n - 3888) a(n + 1) + (113 n + 291) a(n + 2) + (-n - 3) a(n + 3),

a(0) = 1, a(1) = 9, a(2) = 153}

Sequence: A130980
Score: 9.20896
Type of gen. func.: ogf

$$-81 f(x)^{2} x + f(x)^{2} + 7 f(x) - 8$$

Sequence: A130980
Score: 9.89434
Type of gen. func.: lgdogf

$$-\frac{9 \left(-9 + 288 x + 7 (1 - 32 x)^{1/2}\right)}{2 (81 x - 1) (-1 + 32 x)}$$

Sequence: A131015
Score: 12.2382
Type of gen. func.: ogf

$$-\frac{4 x^{6} - x^{5} - x^{3} + 2 x^{2} + 1}{(x - 1) (x^{2} + 1) (x^{4} - x^{2} + 1)}$$

Sequence: A131015
Score: 7.59904
Type of gen. func.: lgdogf

$$- (4 x^{12} - 2 x^{11} + x^{10} - 4 x^{9} + 13 x^{8} - 8 x^{7} - 13 x^{6} + 22 x^{5} - 5 x^{4} + 2 x^{3}$$

$$- 5 x^{2} + 4 x + 1) / ((x - 1) (4 x^{6} - x^{5} - x^{3} + 2 x^{2} + 1) (x^{2} + 1) (x^{4} - x^{2} + 1))$$

Sequence: A131017
Score: 10.0846
Type of gen. func.: lgdogf

$$- \frac{x^{10} + 4 x^{9} - 3 x^{8} + 8 x^{7} + 5 x^{6} + 6 x^{5} + 5 x^{4} + 8 x^{3} - 3 x^{2} + 4 x + 1}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{5} + 2 x^{4} - x^{3} + 2 x^{2} + x + 1)}$$

Sequence: A131017
Score: 15.4607
Type of gen. func.: ogf

$$- \frac{x^{5} + 2 x^{4} - x^{3} + 2 x^{2} + x + 1}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A131023
Score: 10.2868
Type of gen. func.: ogf

$$- \frac{x^{3} + 2 x^{2} - 3 x + 1}{(2 x - 1) (3 x^{2} - 3 x + 1)}$$

Sequence: A131023
Score: 5.37721
Type of gen. func.: ogf

$\{-a(n + 4) + 5 a(n + 3) - 9 a(n + 2) + 6 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 3,$

$a(3) = 4\}$

Sequence: A131023
Score: 5.77066

Type of gen. func.: ogf

$$-(2 f(x) - 7) (6 f(x) x^3 - 9 f(x) x^2 + x^3 + 5 f(x) x + 2 x^2 - f(x) - 3 x + 1)$$

Sequence: A131023
Score: 9.80008
Type of gen. func.: lgdogf

$$-\frac{21 x^4 - 46 x^3 + 38 x^2 - 14 x + 2}{(2 x - 1) (3 x^2 - 3 x + 1) (x^3 + 2 x^2 - 3 x + 1)}$$

Sequence: A131024
Score: 5.75714
Type of gen. func.: ogf

$$\frac{x^6 - 4 x^5 + 6 x^4 - 3 x^3 + 3 x^2 - 3 x + 1}{(x - 1) (2 x - 1) (x + 1) (x^2 - x + 1) (3 x^2 - 3 x + 1)}$$

Sequence: A131025
Score: 5.15895
Type of gen. func.: ogf

$$\frac{x^9 - 2 x^8 + 2 x^6 + 2 x^4 - 3 x^2 + 1}{(x - 1) (x + 1) (x^2 - x + 1) (2 x^2 - 1) (3 x^4 - 3 x^2 + 1)}$$

Sequence: A131026
Score: 13.6567
Type of gen. func.: ogf

$$-\frac{x^2 - 2 x + 2}{(x - 1) (x^2 - x + 1)}$$

Sequence: A131026

Score: 18.7053
Type of gen. func.: lgdogf

$$-\frac{x^4 - 4x^3 + 8x^2 - 6x + 2}{(x - 1)(x^2 - x + 1)(x^2 - 2x + 2)}$$

Sequence: A131026
Score: 7.43803
Type of gen. func.: ogf

$$(9 f(x) - 16) (f(x) x^3 - 2 f(x) x^2 + 2 f(x) x + x^2 - f(x) - 2 x + 2)$$

Sequence: A131026
Score: 7.43803
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 2, a(1) = 2, a(2) = 1\}$$

Sequence: A131027
Score: 14.9537
Type of gen. func.: ogf

$$-\frac{3x^2 - 5x + 4}{(x - 1)(x^2 - x + 1)}$$

Sequence: A131027
Score: 16.4861
Type of gen. func.: lgdogf

$$-\frac{3x^4 - 10x^3 + 16x^2 - 10x + 3}{(x - 1)(x^2 - x + 1)(3x^2 - 5x + 4)}$$

Sequence: A131027
Score: 8.00155
Type of gen. func.: ogf

$$(21 f(x) - 109) (f(x) x^3 - 2 f(x) x^2 + 2 f(x) x + 3 x^2 - f(x) - 5 x + 4)$$

Sequence: A131027
Score: 8.14443
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 4, a(1) = 3, a(2) = 1\}$$

Sequence: A131028
Score: 15.9886
Type of gen. func.: ogf

$$-\frac{7 x^2 - 10 x + 7}{(x - 1) (x^2 - x + 1)}$$

Sequence: A131028
Score: 16.2113
Type of gen. func.: lgdogf

$$-\frac{7 x^4 - 20 x^3 + 27 x^2 - 14 x + 4}{(x - 1) (7 x^2 - 10 x + 7) (x^2 - x + 1)}$$

Sequence: A131028
Score: 8.47259
Type of gen. func.: ogf

$$-(9 f(x) - 32) (f(x) x^3 - 2 f(x) x^2 + 2 f(x) x + 7 x^2 - f(x) - 10 x + 7)$$

Sequence: A131028
Score: 8.85083
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 7, a(1) = 4, a(2) = 1\}$$

Sequence: A131029
Score: 14.6991
Type of gen. func.: lgdogf

$$-\frac{14 x^4 - 34 x^3 + 39 x^2 - 16 x + 5}{(x - 1) (x^2 - x + 1) (14 x^2 - 17 x + 11)}$$

Sequence: A131029
Score: 14.7463
Type of gen. func.: ogf

$$-\frac{14 x^2 - 17 x + 11}{(x - 1) (x^2 - x + 1)}$$

Sequence: A131029
Score: 8.06636
Type of gen. func.: ogf

$$(37 f(x) - 561) (f(x) x^3 - 2 f(x) x^2 + 2 f(x) x + 14 x^2 - f(x) - 17 x + 11)$$

Sequence: A131029
Score: 8.35190
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 11, a(1) = 5, a(2) = 2\}$$

Sequence: A131030
Score: 14.5648
Type of gen. func.: lgdogf

$$-\frac{25 x^4 - 50 x^3 + 48 x^2 - 14 x + 7}{(x - 1) (x^2 - x + 1) (25 x^2 - 25 x + 16)}$$

Sequence: A131030
Score: 14.6103

Type of gen. func.: ogf

$$-\frac{25 x^2 - 25 x + 16}{(x - 1) (x^2 - x + 1)}$$

Sequence: A131030
Score: 7.72778
Type of gen. func.: ogf

$$-(25 f(x) - 351) (f(x) x^3 - 2 f(x) x^2 + 2 f(x) x + 25 x^2 - f(x) - 25 x + 16)$$

Sequence: A131030
Score: 8.27488
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 16, a(1) = 7, a(2) = 7\}$$

Sequence: A131037
Score: 5.63149
Type of gen. func.: ogf

$$\frac{10 x^4 (x^4 + x^3 - 2 x^2 + x + 1)}{(x - 1) (x^2 + 1) (x^2 + 2 x - 1) (x^4 - x^2 + 1)}$$

Sequence: A131039
Score: 10.3762
Type of gen. func.: lgdogf

$$-\frac{2 x^6 - 12 x^5 + 29 x^4 - 36 x^3 + 19 x^2 + 2 x - 3}{(x - 1) (2 x^2 - 4 x + 1) (x^4 - 4 x^3 + 5 x^2 - 2 x + 1)}$$

Sequence: A131039
Score: 10.9265
Type of gen. func.: ogf

$$-\frac{(x-1)\,(2x^2-4x+1)}{x^4-4x^3+5x^2-2x+1}$$

Sequence: A131039
Score: 5.80237
Type of gen. func.: ogf

$$-(181 f(x) - 278)$$

$$(f(x)\,x^4 - 4 f(x)\,x^3 + 5 f(x)\,x^2 + 2x^3 - 2 f(x)\,x - 6x^2 + f(x) + 5x - 1)$$

Sequence: A131040
Score: 14.5299
Type of gen. func.: ogf

$$-\frac{6x-1}{3x^2-x+1}$$

Sequence: A131040
Score: 18.0205
Type of gen. func.: revogf

$$-\frac{-1 - x + (-11x^2 - 22x + 1)^{1/2}}{6\,(x+2)}$$

Sequence: A131040
Score: 19.5222
Type of gen. func.: lgdogf

$$-\frac{18x^2 - 6x - 5}{(6x-1)\,(3x^2-x+1)}$$

Sequence: A131040
Score: 7.18513
Type of gen. func.: ogf

$$-(11 f(x) - 36) (3 f(x) x^2 - f(x) x + f(x) + 6 x - 1)$$

Sequence: A131040
Score: 7.97374
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) - 3 a(n), a(0) = 1, a(1) = -5\}$$

Sequence: A131041
Score: 10.8105
Type of gen. func.: ogf

$$-\frac{2 x^3 + x - 1}{x^4 + x^2 - 2 x + 1}$$

Sequence: A131041
Score: 12.4435
Type of gen. func.: lgdogf

$$-\frac{2 x^6 + x^4 + 4 x^3 - 5 x^2 - 2 x + 1}{(2 x^3 + x - 1) (x^4 + x^2 - 2 x + 1)}$$

Sequence: A131041
Score: 5.31807
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) + a(n + 2) + a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = -1\}$$

Sequence: A131041
Score: 5.83576
Type of gen. func.: ogf

$$(17 f(x) - 72) (f(x) x^4 + f(x) x^2 + 2 x^3 - 2 f(x) x + f(x) + x - 1)$$

Sequence: A131042
Score: 10.5659
Type of gen. func.: ogf

$$\frac{x^{5} + 2 x^{4} - x^{3} + 2 x^{2} + x + 1}{(x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A131042
Score: 7.22126
Type of gen. func.: lgdogf

$$- \frac{2 x^{10} + 7 x^{9} - x^{8} + 12 x^{7} + 10 x^{6} + 12 x^{5} + 10 x^{4} + 11 x^{3} + x^{2} + 6 x + 2}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{5} + 2 x^{4} - x^{3} + 2 x^{2} + x + 1)}$$

Sequence: A131051
Score: 14.1564
Type of gen. func.: ogf

$$\frac{x^{2} + 1}{(2 x - 1) (x - 1)}$$

Sequence: A131051
Score: 17.8929
Type of gen. func.: lgdogf

$$- \frac{3 x^{2} + 2 x - 3}{(x - 1) (2 x - 1) (x^{2} + 1)}$$

Sequence: A131051
Score: 6.80065
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 8\}$$

Sequence: A131051
Score: 7.79399
Type of gen. func.: ogf

$$(7 f(x) + 2) (2 f(x) x^2 - 3 f(x) x - x^2 + f(x) - 1)$$

Sequence: A131055
Score: 13.0160
Type of gen. func.: ogf

$$\frac{x^3 - x^2 + x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A131055
Score: 22.0249
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^2 + x + 1)}{(x - 1) (x + 1) (x^3 - x^2 + x + 1)}$$

Sequence: A131055
Score: 6.80380
Type of gen. func.: ogf

{a(n + 4) - a(n + 3) - a(n + 2) + a(n + 1), a(0) = 1, a(1) = 2, a(2) = 2,

a(3) = 4}

Sequence: A131055
Score: 9.25876
Type of gen. func.: ogf

$$f(x) x^3 - f(x) x^2 - x^3 - f(x) x + x^2 + f(x) - x - 1$$

Sequence: A131056
Score: 10.7923

Type of gen. func.: lgdogf

$$-\frac{(-3+4x)(2x^2-2x+1)}{(x-1)(2x-1)(2x^3-2x+1)}$$

Sequence: A131056
Score: 4.23751
Type of gen. func.: ogf

$$\{a(n+4)-5a(n+3)+8a(n+2)-4a(n+1),\ a(0)=1,\ a(1)=3,\ a(2)=7,\ a(3)=17\}$$

Sequence: A131056
Score: 4.90077
Type of gen. func.: ogf

$$-(f(x)+9)(4f(x)x^3-8f(x)x^2+2x^3+5f(x)x-f(x)-2x+1)$$

Sequence: A131056
Score: 9.23916
Type of gen. func.: ogf

$$-\frac{2x^3-2x+1}{(x-1)(2x-1)^2}$$

Sequence: A131064
Score: 11.0957
Type of gen. func.: ogf

$$-\frac{5x^2-2x+1}{(2x-1)(x-1)^2}$$

Sequence: A131064
Score: 14.1114
Type of gen. func.: lgdogf

$$-\frac{2(5x^3+x^2-x-1)}{(x-1)(2x-1)(5x^2-2x+1)}$$

Sequence: A131064
Score: 5.78494
Type of gen. func.: ogf

$$-(29f(x)-21)(2f(x)x^3-5f(x)x^2+4f(x)x+5x^2-f(x)-2x+1)$$

Sequence: A131064
Score: 6.04321
Type of gen. func.: ogf

$$\{a(n+3)-4a(n+2)+5a(n+1)-2a(n), a(0)=1, a(1)=2, a(2)=8\}$$

Sequence: A131066
Score: 11.1515
Type of gen. func.: ogf

$$-\frac{6x^2-2x+1}{(2x-1)(x-1)^2}$$

Sequence: A131066
Score: 13.0713
Type of gen. func.: lgdogf

$$-\frac{2(6x^3+2x^2-2x-1)}{(x-1)(2x-1)(6x^2-2x+1)}$$

Sequence: A131066
Score: 5.91513
Type of gen. func.: ogf

3 2 2

$$(169 f(x) - 154) (2 f(x) x - 5 f(x) x + 4 f(x) x + 6 x - f(x) - 2 x + 1)$$

Sequence: A131066
Score: 6.07357
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 2, a(2) = 9\}$$

Sequence: A131068
Score: 11.2630
Type of gen. func.: ogf

$$-\frac{7 x^2 - 2 x + 1}{(2 x - 1) (x - 1)^2}$$

Sequence: A131068
Score: 12.9507
Type of gen. func.: lgdogf

$$-\frac{2 (7 x^3 + 3 x^2 - 3 x - 1)}{(x - 1) (2 x - 1) (7 x^2 - 2 x + 1)}$$

Sequence: A131068
Score: 5.87215
Type of gen. func.: ogf

$$-(29 f(x) - 32) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x + 7 x^2 - f(x) - 2 x + 1)$$

Sequence: A131068
Score: 6.08002
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 2, a(2) = 10\}$$

Sequence: A131075

Score: 5.72156
Type of gen. func.: lgdogf

$$-\frac{12x^8-40x^7+74x^6-100x^5+112x^4-96x^3+53x^2-16x+2}{(2x-1)(3x^4-5x^3+6x^2-4x+1)(2x^4-4x^3+6x^2-4x+1)}$$

Sequence: A131075
Score: 7.35724
Type of gen. func.: ogf

$$-\frac{3x^4-5x^3+6x^2-4x+1}{(2x-1)(2x^4-4x^3+6x^2-4x+1)}$$

Sequence: A131076
Score: 3.95803
Type of gen. func.: ogf

$$-\frac{x^8-5x^7+10x^6-10x^5+2x^4+4x^3-6x^2+4x-1}{(2x-1)(x-1)(2x^4-4x^3+6x^2-4x+1)(x^4+1)}$$

Sequence: A131078
Score: 20.2510
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(x^4+1)}$$

Sequence: A131078
Score: 25.7844
Type of gen. func.: ogf_with_Euler_transform]

$$x^7-x^3+1$$

Sequence: A131078

Score: 31.3767
Type of gen. func.: lgdogf

$$-\frac{5x^4-4x^3+1}{(x-1)(x^4+1)}$$

Sequence: A131079
Score: 12.4583
Type of gen. func.: ogf

$$-\frac{x^4-x^3+2}{(x-1)(x^4+1)}$$

Sequence: A131079
Score: 15.6883
Type of gen. func.: lgdogf

$$-\frac{x^8-2x^7+x^6+7x^4-2x^3-3x^2+2}{(x-1)(x^4-x^3+2)(x^4+1)}$$

Sequence: A131080
Score: 11.9218
Type of gen. func.: ogf

$$-\frac{3x^4-2x^3-x^2+4}{(x-1)(x^4+1)}$$

Sequence: A131080
Score: 12.6322
Type of gen. func.: lgdogf

$$-\frac{3x^8-4x^7-x^6+2x^5+11x^4-5x^2-2x+4}{(x-1)(3x^4-2x^3-x^2+4)(x^4+1)}$$

Sequence: A131081
Score: 10.9290
Type of gen. func.: lgdogf

$$-\frac{7x^8-6x^7-6x^6+2x^5+22x^4+2x^3-6x^2-6x+7}{(x-1)(7x^4-3x^3-3x^2-x+8)(x^4+1)}$$

Sequence: A131081
Score: 12.0882
Type of gen. func.: ogf

$$-\frac{7x^4-3x^3-3x^2-x+8}{(x-1)(x^4+1)}$$

Sequence: A131082
Score: 11.9464
Type of gen. func.: ogf

$$-\frac{15x^4-4x^3-6x^2-4x+15}{(x-1)(x^4+1)}$$

Sequence: A131082
Score: 9.54682
Type of gen. func.: lgdogf

$$-\frac{15x^8-8x^7-14x^6-4x^5+42x^4+8x^3-6x^2-12x+11}{(x-1)(15x^4-4x^3-6x^2-4x+15)(x^4+1)}$$

Sequence: A131083
Score: 11.5231
Type of gen. func.: ogf

$$-\frac{2(15x^4-2x^3-5x^2-5x+13)}{}$$

$$(x - 1) (x^4 + 1)$$

Sequence: A131083
Score: 9.54004
Type of gen. func.: lgdogf

$$- \frac{15 x^8 - 4 x^7 - 13 x^6 - 10 x^5 + 35 x^4 + 12 x^3 - x^2 - 10 x + 8}{(x - 1) (15 x^4 - 2 x^3 - 5 x^2 - 5 x + 13) (x^4 + 1)}$$

Sequence: A131090
Score: 11.1036
Type of gen. func.: ogf

$$- \frac{x (x - 1)^2}{(x + 1) (2 x - 1) (x^2 - x + 1)}$$

Sequence: A131090
Score: 14.0123
Type of gen. func.: lgdogf

$$- \frac{x (x - 2) (4 x^2 - x + 1)}{(x - 1) (2 x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A131090
Score: 5.91587
Type of gen. func.: ogf

{-a(n + 4) + 2 a(n + 3) - a(n + 1) + 2 a(n), a(0) = 0, a(1) = 1, a(2) = 0,

a(3) = 1}

Sequence: A131090
Score: 6.50212
Type of gen. func.: ogf

4 3 3 2

```
         -f(x) (2 f(x) x  - f(x) x  + x  + 2 f(x) x - 2 x  - f(x) + x)



------------------------------------------------------------------------------

Sequence:  A131091
Score: 6.29605
Type of gen. func.: lgdogf


        12      11      10       9      7       6       5       4      3      2
- 2 (9 x   - 9 x   + 3 x   + 10 x  - 4 x  - 14 x  + 33 x  - 15 x  - 2 x  + 6 x

                  /             2          6      5      3      2
     + 2 x + 1)  /  ((x - 1) (x  + 1) (9 x  - 6 x  + 4 x  + 2 x  + 1)
                /

      4    2
    (x  - x  + 1))



------------------------------------------------------------------------------

Sequence:  A131091
Score: 8.66963
Type of gen. func.: ogf


                            6      5      3      2
                         9 x  - 6 x  + 4 x  + 2 x  + 1
                        -------------------------------
                          2        4    2             2
                        (x  + 1) (x  - x  + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A131092
Score: 4.89615
Type of gen. func.: ogf


    3       2
 {(n  + 12 n  + 48 n + 64) a(n + 1) + (-n - 2) a(n + 2), a(0) = 4, a(1) = 108}



------------------------------------------------------------------------------

Sequence:  A131093
Score: 5.72020
Type of gen. func.: lgdogf


      10      9      8      7       6      5       4       3       2
     x   + 4 x  + 9 x  + 8 x  + 10 x  - 6 x  + 25 x  + 32 x  + 21 x  + 6 x + 2
  - ---------------------------------------------------------------------------
                           4      3      2                 6       3
              (x - 1) (x  + 3 x  + 6 x  + 3 x + 1) (x  - 10 x  + 1)



------------------------------------------------------------------------------

Sequence:  A131093
Score: 7.83935
Type of gen. func.: ogf
```

$$-\frac{(x-1)(x^4+3x^3+6x^2+3x+1)}{x^6-10x^3+1}$$

Sequence: A131098
Score: 16.9089
Type of gen. func.: ogf

$$\frac{2x^2+x+1}{(x-1)^2}$$

Sequence: A131098
Score: 33.8356
Type of gen. func.: lgdogf

$$-\frac{3+5x}{(x-1)(2x^2+x+1)}$$

Sequence: A131098
Score: 8.78598
Type of gen. func.: ogf

$$\{-a(n+3)+2a(n+2)-a(n+1),\ a(0)=1,\ a(1)=3,\ a(2)=7\}$$

Sequence: A131098
Score: 9.63624
Type of gen. func.: ogf

$$(1+8f(x))(f(x)x^2-2f(x)x-2x^2+f(x)-x-1)$$

Sequence: A131118
Score: 10.6110
Type of gen. func.: lgdogf

$$-\frac{x(5x^5+4x^4+12x^3+2x^2-x-2)}{}$$

$$(x - 1) (x + 1) (x^2 + 1) (x^3 + x^2 + 2 x + 1)$$

Sequence: A131118
Score: 5.99261
Type of gen. func.: ogf

$$-\frac{x^2 (x^3 + x^2 + 2 x + 1)}{(x - 1) (x^2 + 1)^2 (x + 1)^3}$$

Sequence: A131119
Score: 8.23960
Type of gen. func.: lgdogf

$$-\frac{4 x^2 + 9 x - 1}{(x - 1) (x + 2) (x + 1)}$$

Sequence: A131124
Score: 8.37930
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4 x^4 + 2 x^3 + 2 x + 4}{-x^6 + x^4 - x^2 + 1}$$

Sequence: A131125
Score: 6.42290
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4 x^5 + 2 x^4 - 2 x^3 + 2 x^2 - 2 x + 4}{-x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 1}$$

Sequence: A131128
Score: 13.1528
Type of gen. func.: ogf

$$\frac{4 x^2 - x + 1}{(2 x - 1) (x - 1)}$$

Sequence: A131128
Score: 15.5310
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^2 - 2 x - 1)}{(x - 1) (2 x - 1) (4 x^2 - x + 1)}$$

Sequence: A131128
Score: 6.83431
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 8\}$$

Sequence: A131128
Score: 7.49569
Type of gen. func.: ogf

$$(-3 + 5 f(x)) (2 f(x) x^2 - 3 f(x) x - 4 x^2 + f(x) + x - 1)$$

Sequence: A131130
Score: 12.7064
Type of gen. func.: ogf

$$\frac{6 x^2 - x + 1}{(2 x - 1) (x - 1)}$$

Sequence: A131130
Score: 14.9962
Type of gen. func.: lgdogf

$$- \frac{2 (8 x^2 - 4 x - 1)}{(x - 1) (2 x - 1) (6 x^2 - x + 1)}$$

Sequence: A131130
Score: 6.53823
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 10\}$$

Sequence: A131130
Score: 6.80239
Type of gen. func.: ogf

$$-(23 f(x) - 25) (2 f(x) x^2 - 3 f(x) x - 6 x^2 + f(x) + x - 1)$$

Sequence: A131132
Score: 11.6547
Type of gen. func.: lgdogf

$$- \frac{8 x^7 + 7 x^6 - 6 x^5 - 2 x - 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A131132
Score: 15.4515
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A131174
Score: 13.2279
Type of gen. func.: ogf

$$- \frac{x^2 (x + 2)}{(x - 1)^3 (x + 1)^3}$$

Sequence: A131174
Score: 25.8067
Type of gen. func.: lgdogf

$$-\frac{5x^2+12x+1}{(x-1)(x+2)(x+1)}$$

Sequence: A131174
Score: 5.65665
Type of gen. func.: ogf

$$\{(3n^2+31n+76)a(n+1)+8a(n+2)+(-3n^2-19n-16)a(n+3),$$
$$a(0)=0,\ a(1)=0,\ a(2)=2\}$$

Sequence: A131176
Score: 12.5470
Type of gen. func.: lgdogf

$$-\frac{x^5+x^4+40x^3+20x^2+11x-1}{(x-1)(x^5-2x^4+16x^3-7x^2+5x-1)}$$

Sequence: A131176
Score: 7.72586
Type of gen. func.: ogf

$$\frac{x^5-2x^4+16x^3-7x^2+5x-1}{(x-1)^6}$$

Sequence: A131179
Score: 15.7355
Type of gen. func.: lgdogf

$$-\frac{4x^4-x^3+13x^2+5x+3}{(x-1)(x+1)(2x^3-x^2+2x+1)}$$

Sequence: A131179
Score: 9.85984
Type of gen. func.: ogf

$$-\frac{x\,(2\,x^{3}-x^{2}+2\,x+1)}{(x+1)^{2}\,(x-1)^{3}}$$

Sequence: A131185
Score: 10.3347
Type of gen. func.: lgdogf

$$-\frac{6\,x^{9}-3\,x^{8}-5\,x^{6}+12\,x^{5}+12\,x^{3}-3\,x^{2}-1}{(x-1)\,(x+1)\,(x^{2}+x+1)\,(x^{2}-x+1)\,(3\,x^{4}-x^{3}-x+2)}$$

Sequence: A131185
Score: 11.2864
Type of gen. func.: ogf

$$-\frac{x\,(3\,x^{4}-x^{3}-x+2)}{(x-1)\,(x+1)\,(x^{2}+x+1)\,(x^{2}-x+1)}$$

Sequence: A131186
Score: 7.60005
Type of gen. func.: ogf

$$-\frac{x\,(x^{5}+3\,x^{4}-x^{3}-x^{2}+2\,x+1)}{(x-1)\,(x^{2}+x+1)\,(x^{4}-x^{2}+1)}$$

Sequence: A131186
Score: 7.90795
Type of gen. func.: lgdogf

$$-(2\,x^{11}+9\,x^{10}-4\,x^{9}-7\,x^{8}+12\,x^{7}+5\,x^{6}-12\,x^{5}-6\,x^{4}+12\,x^{3}+2\,x^{2}+2$$

```
        /            2            5      4    3    2              4    2
    )  /  ((x - 1) (x  + x + 1) (x  + 3 x  - x  - x  + 2 x + 1) (x  - x  + 1))
      /



-------------------------------------------------------------------------------

Sequence:  A131189
Score: 8.69937
Type of gen. func.: ogf


                      6      5      4      3      2
                  12 x  + 7 x  + 7 x  + 7 x  + 7 x  + 7 x + 2
                  -------------------------------------------
                            2            2                 2
                  (x + 1) (x  + x + 1) (x  - x + 1) (x - 1)



-------------------------------------------------------------------------------

Sequence:  A131191
Score: 7.20752
Type of gen. func.: ogf


     10       9       8       7       6       5       4       3       2
(15 x   + 11 x  + 11 x  + 11 x  + 11 x  + 11 x  + 11 x  + 11 x  + 11 x  + 11 x

            /            4    3    2            4    3    2                 2
     + 7)  /  ((x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1) (x - 1) )
          /



-------------------------------------------------------------------------------

Sequence:  A131193
Score: 15.1581
Type of gen. func.: lgdogf


                              5    4    3    2
                          3 (x  - x  - x  - x  - x - 1)
                  - -----------------------------------------
                                      2            2
                    (x - 1) (x + 1) (x  + x + 1) (x  - x + 1)



-------------------------------------------------------------------------------

Sequence:  A131193
Score: 25.2758
Type of gen. func.: ogf_with_Euler_transform]


                                      5
                                    [x  - 3]



-------------------------------------------------------------------------------

Sequence:  A131193
Score: 7.82231
Type of gen. func.: ogf
```

$$\frac{x (x - 1)^2}{(x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A131201
Score: 8.10288
Type of gen. func.: ogf

$$\frac{x (x^2 + 1) (x^8 + 8 x^7 + 4 x^6 + 5 x^4 + 4 x^2 + 2 x + 1)}{(x^4 + 1) (x^8 - x^4 + 1)}$$

Sequence: A131207
Score: 4.49275
Type of gen. func.: ogf

$$\frac{x (7 x^{28} + 7 x^{27} - x^{26} - 8 x^{25} - 8 x^{24} - 64 x^{12} - 8 x^2 - 8 x - 8)}{(7 x^{26} - 8 x^{24} - 8) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A131209
Score: 11.6003
Type of gen. func.: ogf

$$- \frac{x (x^4 - 2 x^3 + 2 x^2 - x - 1)}{(x - 1)^2}$$

Sequence: A131209
Score: 15.7381
Type of gen. func.: lgdogf

$$\frac{2 x^4 - 6 x^3 + 6 x^2 - 3 x + 3}{(x - 1) (x^4 - 2 x^3 + 2 x^2 - x - 1)}$$

Sequence: A131211

Score: 14.5596
Type of gen. func.: lgdogf

$$-\frac{x^5 - 3x^4 + 20x^3 + 7x - 1}{(x - 1)(x^5 - 4x^4 + 12x^3 - 9x^2 + 5x - 1)}$$

Sequence: A131211
Score: 8.15013
Type of gen. func.: ogf

$$\frac{x^5 - 4x^4 + 12x^3 - 9x^2 + 5x - 1}{(x - 1)^6}$$

Sequence: A131215
Score: 3.5709
Type of gen. func.: ogf

$$(31372288848 f(x) - 160621003)$$

$$(f(x) x^3 - 399 f(x) x^2 + 399 f(x) x + x^2 - f(x) + 207 x + 1)$$

Sequence: A131215
Score: 3.91929
Type of gen. func.: ogf

$$\{a(n + 3) - 399 a(n + 2) + 399 a(n + 1) - a(n), a(0) = 1, a(1) = 606, a(2) = 241396\}$$

Sequence: A131215
Score: 7.19512
Type of gen. func.: ogf

$$-\frac{x^2 + 207x + 1}{(x - 1)(x^2 - 398x + 1)}$$

Sequence: A131216
Score: 11.3214
Type of gen. func.: revogf

$$-\frac{-11 - 20 x + (396 x^2 + 396 x + 121)^{1/2}}{2 (11 + x)}$$

Sequence: A131216
Score: 11.5525
Type of gen. func.: ogf

$$-\frac{11 (x - 1)}{x^2 - 20 x + 1}$$

Sequence: A131216
Score: 16.9821
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x + 19}{(x - 1) (x^2 - 20 x + 1)}$$

Sequence: A131216
Score: 5.77623
Type of gen. func.: ogf

$$-(378 f(x) - 187) (f(x) x^2 - 20 f(x) x + f(x) + 11 x - 11)$$

Sequence: A131216
Score: 6.44788
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1) + a(n), a(0) = 11, a(1) = 209\}$$

Sequence: A131229
Score: 13.8524
Type of gen. func.: ogf

$$\frac{3 x^2 + 6 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A131229
Score: 17.2672
Type of gen. func.: lgdogf

$$-\frac{3 x^3 + 15 x^2 + 15 x + 7}{(x - 1) (x + 1) (3 x^2 + 6 x + 1)}$$

Sequence: A131229
Score: 7.161
Type of gen. func.: ogf

$$-(210 f(x) - 79) (f(x) x^3 - f(x) x^2 - f(x) x - 3 x^2 + f(x) - 6 x - 1)$$

Sequence: A131229
Score: 7.47785
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 7, a(2) = 11\}$$

Sequence: A131242
Score: 13.6269
Type of gen. func.: ogf

$$-\frac{x^{10}}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^3}$$

Sequence: A131242
Score: 9.51734
Type of gen. func.: lgdogf

$$-\frac{2 (6 x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{}$$

$$(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)$$

Sequence: A131244
Score: 4.59624
Type of gen. func.: ogf

$$(3 f(x) - 1)$$

$$(f(x) x^4 + 3 f(x) x^3 - 2 f(x) x^2 + x^3 - 2 f(x) x + 2 x^2 + f(x) - x - 1)$$

Sequence: A131244
Score: 8.17773
Type of gen. func.: ogf

$$- \frac{x^3 + 2 x^2 - x - 1}{x^4 + 3 x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A131244
Score: 8.55855
Type of gen. func.: lgdogf

$$- \frac{x^6 + 4 x^5 + 5 x^4 - 6 x^3 - 6 x^2 + 3}{(x^3 + 2 x^2 - x - 1) (x^4 + 3 x^3 - 2 x^2 - 2 x + 1)}$$

Sequence: A131246
Score: 4.60788
Type of gen. func.: ogf

$$-(f(x) + 3) (f(x) x^4 + f(x) x^3 - 3 f(x) x^2 + x^3 - f(x) x + f(x) - 2 x - 1)$$

Sequence: A131246
Score: 8.88187
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^2 - x - 1)}{}$$

$$x^4 + x^3 - 3 x^2 - x + 1$$

Sequence: A131246
Score: 9.98966
Type of gen. func.: lgdogf

$$- \frac{x^6 - 3 x^4 - 6 x^3 + 6 x + 3}{(x + 1) (x^2 - x - 1) (x^4 + x^3 - 3 x^2 - x + 1)}$$

Sequence: A131259
Score: 14.4601
Type of gen. func.: ogf

$$\frac{x^2 (2 x - 1)}{(x - 1)^3 (x + 1)^3}$$

Sequence: A131259
Score: 29.4587
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^2 - 3 x + 1)}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A131259
Score: 6.30810
Type of gen. func.: ogf

$$\{(3 n^2 + 11 n - 4) a(n + 1) + 8 a(n + 2) + (-3 n^2 + n + 4) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A131269
Score: 10.4404
Type of gen. func.: ogf

3 2

```
                                2 x  - x  - x + 1
                            - ---------------------
                                2                 2
                              (x  + x - 1) (x - 1)
```

Sequence: A131269
Score: 4.46615
Type of gen. func.: ogf

```
{(-n - 2) a(n + 1) - a(n + 2) + (2 n + 3) a(n + 3) + (-n - 1) a(n + 4),

    a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 6}
```

Sequence: A131269
Score: 5.86793
Type of gen. func.: ogf

```
(4 f(x) - 5)

           4         3           2      3               2
    (f(x) x  - f(x) x  - 2 f(x) x  + 2 x  + 3 f(x) x - x  - f(x) - x + 1)
```

Sequence: A131282
Score: 13.5794
Type of gen. func.: ogf

```
                          5      4      3      2
                       5 x  + 4 x  + 3 x  + 3 x  + 2 x + 1
                  - -----------------------------------------
                                      2            2
                    (x - 1) (x + 1) (x  + x + 1) (x  - x + 1)
```

Sequence: A131282
Score: 7.42502
Type of gen. func.: lgdogf

```
      10      9      8       7       6      5       4       3      2
- (5 x   + 8 x  + 9 x  + 12 x  + 10 x  + 6 x  + 25 x  + 16 x  + 9 x  + 6 x + 2)

       /                    2            2
      /  ((x - 1) (x + 1) (x  + x + 1) (x  - x + 1)
     /

        5      4      3      2
    (5 x  + 4 x  + 3 x  + 3 x  + 2 x + 1))
```

Sequence: A131283

Score: 4.21150
Type of gen. func.: ogf

$$\frac{x^{2} (x^{7} + x^{6} + 2 x^{5} + x^{3} - 3 x^{2} - 2 x - 1)}{(2 x - 1) (x^{10} + x^{8} - 2 x^{5} - x^{3} - x + 1)}$$

Sequence: A131289
Score: 10.2642
Type of gen. func.: lgdogf

$$- \frac{x^{10} - 6 x^{9} - 9 x^{8} + 12 x^{7} + 5 x^{6} + 6 x^{5} - 5 x^{4} + 12 x^{3} + 9 x^{2} - 6 x - 1}{(x - 1) (x^{2} + 1) (x^{4} - 2 x^{3} - 5 x^{2} - 2 x - 1) (x^{4} - x^{2} + 1)}$$

Sequence: A131289
Score: 13.1146
Type of gen. func.: ogf

$$\frac{(x - 1) (x^{4} - 2 x^{3} - 5 x^{2} - 2 x - 1)}{(x^{2} + 1) (x^{4} - x^{2} + 1)}$$

Sequence: A131290
Score: 11.5044
Type of gen. func.: ogf

$$- \frac{x^{3} - 2 x^{2} + x + 1}{(x - 1) (x^{2} - x + 1)}$$

Sequence: A131290
Score: 19.3480
Type of gen. func.: lgdogf

$$\frac{2 x^{3} - 8 x^{2} + 8 x - 3}{(x - 1) (x^{2} - x + 1) (x^{3} - 2 x^{2} + x + 1)}$$

Sequence: A131290
Score: 6.05955
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 3, a(2) = 2, a(3) = 0\}$$

Sequence: A131290
Score: 6.61501
Type of gen. func.: ogf

$$(9 f(x) - 65) (f(x) x^3 - 2 f(x) x^2 + x^3 + 2 f(x) x - 2 x^2 - f(x) + x + 1)$$

Sequence: A131291
Score: 9.75361
Type of gen. func.: ogf

$$- \frac{5 x^8 + 4 x^7 + 5 x^6 + 3 x^5 + 4 x^4 + 3 x^3 + 5 x^2 + 4 x + 5}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A131292
Score: 11.0286
Type of gen. func.: ogf

$$\frac{(2 x^3 - x^2 - x + 1) (x + 1)^2}{3 x^4 - 3 x^2 + 1}$$

Sequence: A131292
Score: 13.0755
Type of gen. func.: lgdogf

$$\frac{6 x^7 - 6 x^6 - 9 x^5 + 3 x^4 + x^3 - x^2 + x + 1}{(x + 1) (2 x^3 - x^2 - x + 1) (3 x^4 - 3 x^2 + 1)}$$

Sequence: A131294
Score: 12.7074
Type of gen. func.: lgdogf

$$\frac{2 x^6 - 2 x^4 - 10 x^3 - 9 x^2 - 4 x - 1}{(x - 1) (x^2 + x + 1) (2 x^4 + 2 x^3 + 2 x^2 + x + 1)}$$

Sequence: A131294
Score: 13.6447
Type of gen. func.: ogf

$$- \frac{x (2 x^4 + 2 x^3 + 2 x^2 + x + 1)}{(x - 1) (x^2 + x + 1)}$$

Sequence: A131295
Score: 7.29833
Type of gen. func.: ogf

$$- \frac{x (3 x^8 + 3 x^6 + x^5 + 4 x^4 + x^3 + 2 x^2 + 1)}{(x - 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A131296
Score: 7.79529
Type of gen. func.: lgdogf

$$(4 x^{10} - 8 x^9 + 8 x^8 - 18 x^7 + 19 x^6 - 28 x^5 + 4 x^4 - 10 x^3 - 4 x^2 - 2 x - 1) \Big/ ((x - 1) (x^2 + x + 1) (x^2 - x + 1) (4 x^6 + 4 x^4 + x^3 + 2 x^2 + 1))$$

Sequence: A131296
Score: 9.70602
Type of gen. func.: ogf

$$- \frac{x (4 x^6 + 4 x^4 + x^3 + 2 x^2 + 1)}{}$$

$$(x - 1) (x^2 + x + 1) (x^2 - x + 1)$$

Sequence: A131298
Score: 7.92871
Type of gen. func.: lgdogf

$$- \frac{3 x^6 + 4 x^5 - 5 x^4 - 8 x^3 + x^2 + 2 x + 1}{(x - 1) (x + 1) (x^2 + x - 1) (x^3 + x^2 - 1)}$$

Sequence: A131298
Score: 8.87575
Type of gen. func.: ogf

$$- \frac{(x - 1) (x + 1)}{(x^2 + x - 1) (x^3 + x^2 - 1)}$$

Sequence: A131300
Score: 10.6766
Type of gen. func.: ogf

$$- \frac{3 x^3 - x^2 - x + 1}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A131300
Score: 4.56719
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 1) - a(n + 2) + (2 n + 3) a(n + 3) + (-n - 1) a(n + 4),$$

$$a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 7\}$$

Sequence: A131300
Score: 6.00069
Type of gen. func.: ogf

$$(3 f(x) - 5)$$

$$(f(x) x^4 - f(x) x^3 - 2 f(x) x^2 + 3 x^3 + 3 f(x) x - x^2 - f(x) - x + 1)$$

Sequence: A131308
Score: 11.4369
Type of gen. func.: lgdogf

$$-\frac{5 x^6 + 12 x^5 + 14 x^4 + 16 x^3 + 3 x^2 + 4 x + 2}{(x - 1) (x + 1) (x^2 + 1) (x^3 + 2 x^2 + 2 x + 2)}$$

Sequence: A131308
Score: 13.2832
Type of gen. func.: ogf

$$\frac{x (x^3 + 2 x^2 + 2 x + 2)}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A131322
Score: 10.1963
Type of gen. func.: ogf

$$-\frac{(x - 1) (x + 1)}{x^4 + x^3 - 3 x^2 - x + 1}$$

Sequence: A131322
Score: 5.13767
Type of gen. func.: ogf

$$-(7 f(x) - 2) (f(x) x^4 + f(x) x^3 - 3 f(x) x^2 - f(x) x + x^2 + f(x) - 1)$$

Sequence: A131326
Score: 11.5981
Type of gen. func.: ogf

$$-\frac{x^2 - 2 x - 1}{}$$

$$(x - 1) (x + 1) (x^2 + x - 1)$$

Sequence: A131326
Score: 6.10892
Type of gen. func.: ogf

$$(43 f(x) - 70) (f(x) x^4 + f(x) x^3 - 2 f(x) x^2 - f(x) x + x^2 + f(x) - 2 x - 1)$$

Sequence: A131328
Score: 11.8090
Type of gen. func.: ogf

$$- \frac{x^2 - 3 x - 1}{(x - 1) (x + 1) (x^2 + x - 1)}$$

Sequence: A131328
Score: 6.12646
Type of gen. func.: ogf

$$(101 f(x) - 216) (f(x) x^4 + f(x) x^3 - 2 f(x) x^2 - f(x) x + x^2 + f(x) - 3 x - 1)$$

Sequence: A131352
Score: 11.0400
Type of gen. func.: ogf

$$- \frac{2 x^3 - 2 x^2 + 2 x - 1}{(2 x - 1)^2}$$

Sequence: A131352
Score: 14.3442
Type of gen. func.: lgdogf

$$\frac{2 (1 + 2 x) (x - 1)^2}{(2 x - 1) (2 x^3 - 2 x^2 + 2 x - 1)}$$

Sequence: A131352
Score: 5.85598
Type of gen. func.: ogf

$$\{a(n+4) - 4\,a(n+3) + 4\,a(n+2),\ a(0) = 1,\ a(1) = 2,\ a(2) = 6,\ a(3) = 14\}$$

Sequence: A131352
Score: 6.60232
Type of gen. func.: ogf

$$(3\,f(x) + 13)\,(4\,f(x)\,x^2 + 2\,x^3 - 4\,f(x)\,x - 2\,x^2 + f(x) + 2\,x - 1)$$

Sequence: A131355
Score: 12.7679
Type of gen. func.: lgdogf

$$-\frac{2\,x^5 + 6\,x^4 + 4\,x^3 + 4\,x^2 + x + 1}{(x-1)\,(x+1)\,(2\,x^4 + 2\,x^3 - 2\,x^2 + 1)}$$

Sequence: A131355
Score: 9.36233
Type of gen. func.: ogf

$$-\frac{2\,x^4 + 2\,x^3 - 2\,x^2 + 1}{(x+1)^2\,(x-1)^3}$$

Sequence: A131358
Score: 22.4091
Type of gen. func.: lgdogf

$$-\frac{2\,x^2\,(x^3 + x^2 + x + 3)}{(x-1)\,(x+1)\,(x^2+1)\,(x^2+x+1)}$$

Sequence: A131358
Score: 29.8727
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^3 + 2 x^2]$$

Sequence: A131358
Score: 9.75801
Type of gen. func.: ogf

$$- \frac{x (x + 1) (x^2 + 1)}{(x - 1) (x^2 + x + 1)^2}$$

Sequence: A131360
Score: 14.1782
Type of gen. func.: lgdogf

$$- \frac{2 x^2 (2 x^4 + 3 x^3 - 3 x^2 + 3 x + 3)}{(x - 1) (x + 1) (x^2 + 1) (x^3 + x^2 - x + 1)}$$

Sequence: A131360
Score: 6.90085
Type of gen. func.: ogf

$$\frac{x^3 (x^3 + x^2 - x + 1)}{(x + 1) (x - 1)^2 (x^2 + 1)^2}$$

Sequence: A131369
Score: 9.64035
Type of gen. func.: ogf

$$- \frac{5 x^8 + 4 x^7 + 5 x^6 + 4 x^5 + 3 x^4 + 4 x^3 + 5 x^2 + 4 x + 5}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A131370
Score: 11.6597
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^4 - 14\,x^3 + 15\,x^2 - 6\,x + 1)}{(2\,x - 1)\,(3\,x^2 - 7\,x + 3)\,(x^2 - x + 1)}$$

Sequence: A131370
Score: 11.9665
Type of gen. func.: ogf

$$-\frac{3\,x^2 - 7\,x + 3}{(2\,x - 1)\,(x^2 - x + 1)}$$

Sequence: A131370
Score: 6.34745
Type of gen. func.: ogf

$$-(f(x) - 3)\,(2\,f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 3\,x^2 - f(x) - 7\,x + 3)$$

Sequence: A131370
Score: 6.57619
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - 2\,a(n),\ a(0) = 3,\ a(1) = 2,\ a(2) = 0\}$$

Sequence: A131372
Score: 10.0205
Type of gen. func.: ogf

$$-\frac{(x^2 - x + 1)\,(x^4 - x^2 + 1)}{(x - 1)\,(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A131372
Score: 14.1211
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{11} + x^{6} + x^{3} + x^{2} - 1$$

Sequence: A131379
Score: 11.8232
Type of gen. func.: ogf

$$-\frac{x^{3} - x^{2} + 1}{(x - 1)(x + 1)(x^{2} + 1)}$$

Sequence: A131379
Score: 5.47184
Type of gen. func.: lgdogf

$$-\frac{x (x^{5} - 2 x^{4} + 4 x^{2} + 3 x - 2)}{(x - 1)(x + 1)(x^{2} + 1)(x^{3} - x^{2} + 1)}$$

Sequence: A131379
Score: 7.45988
Type of gen. func.: ogf

$$-(2 f(x) - 17)(f(x) x^{4} + x^{3} - x^{2} - f(x) + 1)$$

Sequence: A131380
Score: 13.9055
Type of gen. func.: ogf

$$\frac{x (x^{2} - x + 2)}{(x^{2} + x + 1)(x - 1)^{2}}$$

Sequence: A131380
Score: 17.1335

Type of gen. func.: lgdogf

$$-\frac{2x^4 - 2x^3 + 8x^2 + 3x + 1}{(x-1)(x^2+x+1)(x^2-x+2)}$$

Sequence: A131380
Score: 5.54512
Type of gen. func.: ogf

$$\{(2n+7)a(n+1) + 2a(n+2) + 2a(n+3) + (-2n-5)a(n+4), a(0) = 0, a(1) = 2, a(2) = 1, a(3) = 2\}$$

Sequence: A131380
Score: 7.59541
Type of gen. func.: ogf

$$(136 f(x) + 259)(f(x) x^4 - f(x) x^3 - x^3 - f(x) x + x^2 + f(x) - 2x)$$

Sequence: A131386
Score: 15.1314
Type of gen. func.: ogf

$$\frac{1+3x}{(x+1)^3}$$

Sequence: A131386
Score: 49.1176
Type of gen. func.: lgdogf

$$-\frac{6x}{(x+1)(1+3x)}$$

Sequence: A131386
Score: 7.22490
Type of gen. func.: ogf

$$\{a(n+3) + 3a(n+2) + 3a(n+1) + a(n), a(0) = 1, a(1) = 0, a(2) = -3\}$$

Sequence: A131386
Score: 7.495
Type of gen. func.: ogf

$$(172 f(x) + 557) (f(x) x^3 + 3 f(x) x^2 + 3 f(x) x + f(x) - 3 x - 1)$$

Sequence: A131423
Score: 11.6464
Type of gen. func.: ogf

$$- \frac{x^2 - 4 x - 1}{(x - 1)^4}$$

Sequence: A131423
Score: 23.0691
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 - 5 x - 4)}{(x - 1) (x^2 - 4 x - 1)}$$

Sequence: A131423
Score: 4.03819
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (-1 - 3 n) a(n + 3) + (20 + 5 n) a(n + 2)$$

$$+ (-n - 3) a(n + 1), a(0) = 1, a(1) = 8, a(2) = 25, a(3) = 56\}$$

Sequence: A131423
Score: 5.90882
Type of gen. func.: ogf

$$(2760 f(x) + 11567)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + x^2 + f(x) - 4 x - 1)$$

Sequence: A131428
Score: 3.62418
Type of gen. func.: ogf

$$\{(4 n^2 + 14 n + 12) a(n + 1) + (-5 n^2 - 19 n - 16) a(n + 2) + (n^2 + 5 n + 4) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 3\}$$

Sequence: A131428
Score: 5.16082
Type of gen. func.: ogf

$$-f(x)^2 x^3 + 2 f(x)^2 x^2 - f(x)^2 x + 4 f(x) x^2 - 6 f(x) x - 4 x^2 + 2 f(x) + 5 x - 2$$

Sequence: A131435
Score: 2.69482
Type of gen. func.: ogf

$$- \frac{(x + 1) (1 + 2 x)}{4 x^5 - 13 x^4 + 3 x^3 + 15 x^2 + 3 x - 1}$$

Sequence: A131438
Score: 3.90024
Type of gen. func.: ogf

$$(213 f(x) + 65873) (4 f(x) x^4 - 12 f(x) x^3 + 13 f(x) x^2 - 6 f(x) x + 6 x^2 + f(x) - 2 x - 1)$$

Sequence: A131438
Score: 7.52583
Type of gen. func.: ogf

$$- \frac{6 x^2 - 2 x - 1}{(2 x - 1)^2 (x - 1)^2}$$

Sequence: A131439
Score: 5.15212
Type of gen. func.: ogf

$$\{a(n+4) - 2a(n+3) + a(n+2),\ a(0) = 1,\ a(1) = 7,\ a(2) = 14,\ a(3) = 18\}$$

Sequence: A131439
Score: 5.53376
Type of gen. func.: ogf

$$-(16 f(x) + 719) (f(x) x^2 + 3 x^3 - 2 f(x) x - x^2 + f(x) - 5 x - 1)$$

Sequence: A131439
Score: 9.79748
Type of gen. func.: ogf

$$-\frac{(x + 1) (3 x^2 - 4 x - 1)}{(x - 1)^2}$$

Sequence: A131441
Score: 12.0664
Type of gen. func.: lgdegf]

$$-10 + 30 x + (20 x^2 - 32 x + 9) f(x) + (-8 x^2 + 8 x - 2) f(x)^2$$

Sequence: A131441
Score: 4.04099
Type of gen. func.: ogf

$$\{(-4 n^2 - 18 n - 20) a(n + 1) + (4 n + 10) a(n + 2) - a(n + 3),\ a(0) = 1,$$
$$a(1) = 2,\ a(2) = 6\}$$

Sequence: A131451
Score: 9.48600
Type of gen. func.: lgdegf]

$$-8 + (12 - 12 x) f(x) + (-6 x^2 + 12 x - 6) f(x)^2 + (-x^3 + 3 x^2 - 3 x + 1) f(x)^3$$

Sequence: A131452
Score: 13.8169
Type of gen. func.: ogf

$$\frac{x (3 x^2 - x + 2)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A131452
Score: 18.0667
Type of gen. func.: lgdogf

$$- \frac{6 x^4 + 10 x^2 + 7 x + 1}{(x - 1) (x^2 + x + 1) (3 x^2 - x + 2)}$$

Sequence: A131452
Score: 5.47623
Type of gen. func.: ogf

{(4 n + 11) a(n + 1) + 4 a(n + 2) + 4 a(n + 3) + (-4 n - 7) a(n + 4), a(0) = 0,

a(1) = 2, a(2) = 1, a(3) = 4}

Sequence: A131452
Score: 7.36147
Type of gen. func.: ogf

$$(5336 f(x) + 13783) (f(x) x^4 - f(x) x^3 - 3 x^3 - f(x) x + x^2 + f(x) - 2 x)$$

Sequence: A131464
Score: 10.5210
Type of gen. func.: ogf

$$x^3 + 6 x^2 + 15 x + 2$$

$$\overline{}$$
$$(x - 1)^4$$

Sequence: A131464
Score: 17.5214
Type of gen. func.: lgdogf

$$- \frac{x^3 + 15 x^2 + 57 x + 23}{(x - 1) (x^3 + 6 x^2 + 15 x + 2)}$$

Sequence: A131464
Score: 4.16567
Type of gen. func.: ogf

$$\{(-67 n^2 - 349 n - 430) a(n + 1) + (-146 n^2 - 1648 n - 3770) a(n + 2)$$
$$+ (213 n^2 + 1157 n + 1554) a(n + 3), a(0) = 2, a(1) = 23, a(2) = 86\}$$

Sequence: A131464
Score: 5.50764
Type of gen. func.: ogf

$$(256768 f(x) + 2362471)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 6 x^2 + f(x) - 15 x - 2)$$

Sequence: A131465
Score: 6.90302
Type of gen. func.: ogf

$$- \frac{11 x^4 + 44 x^3 + 42 x^2 - 2 x + 1}{(x - 1)^5}$$

Sequence: A131465
Score: 9.89194
Type of gen. func.: lgdogf

$$-\frac{11 x^4 + 132 x^3 + 258 x^2 + 76 x + 3}{(x - 1) (11 x^4 + 44 x^3 + 42 x^2 - 2 x + 1)}$$

Sequence: A131466
Score: 6.66357
Type of gen. func.: ogf

$$-\frac{15 x^4 + 54 x^3 + 52 x^2 - 2 x + 1}{(x - 1)^5}$$

Sequence: A131466
Score: 9.54367
Type of gen. func.: lgdogf

$$-\frac{3 (5 x^4 + 56 x^3 + 106 x^2 + 32 x + 1)}{(x - 1) (15 x^4 + 54 x^3 + 52 x^2 - 2 x + 1)}$$

Sequence: A131471
Score: 10.5176
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 37 x^3 + 177 x^2 + 127 x + 17}{(x - 1) (x^4 + 11 x^3 + 36 x^2 + 11 x + 1)}$$

Sequence: A131471
Score: 6.25086
Type of gen. func.: ogf

$$\frac{2 x (x^4 + 11 x^3 + 36 x^2 + 11 x + 1)}{(x - 1)^6}$$

Sequence: A131472
Score: 5.46627
Type of gen. func.: ogf

$$-\frac{2x(31x^4+146x^3+156x^2+26x+1)}{(x-1)^7}$$

Sequence: A131472
Score: 8.95221
Type of gen. func.: lgdogf

$$-\frac{3(31x^4+236x^3+406x^2+156x+11)}{(x-1)(31x^4+146x^3+156x^2+26x+1)}$$

Sequence: A131473
Score: 5.24220
Type of gen. func.: ogf

$$-\frac{2x^2(x^4+26x^3+156x^2+146x+31)}{(x-1)^7}$$

Sequence: A131473
Score: 9.55316
Type of gen. func.: lgdogf

$$-\frac{3(x^4+36x^3+286x^2+396x+121)}{(x-1)(x^4+26x^3+156x^2+146x+31)}$$

Sequence: A131474
Score: 6.38381
Type of gen. func.: ogf

$$\frac{x(2x^4+3x^3+5x^2+x+1)}{(x+1)^3(x-1)^4}$$

Sequence: A131474
Score: 9.86330
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^{5}+7\,x^{4}+18\,x^{3}+10\,x^{2}+9\,x+1)}{(x-1)\,(x+1)\,(2\,x^{4}+3\,x^{3}+5\,x^{2}+x+1)}$$

Sequence: A131475
Score: 12.5479
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^{4}+8\,x^{3}+6\,x^{2}+7\,x+1)}{(x-1)\,(x+1)\,(x^{3}+3\,x^{2}+x+1)}$$

Sequence: A131475
Score: 6.51520
Type of gen. func.: ogf

$$\frac{2\,x^{2}\,(x^{3}+3\,x^{2}+x+1)}{(x+1)^{3}\,(x-1)^{4}}$$

Sequence: A131476
Score: 13.3587
Type of gen. func.: lgdogf

$$-\frac{3\,(x+1)\,(x^{4}+6\,x^{2}+2\,x+3)}{(x-1)\,(x^{2}+x+1)\,(x^{3}+3\,x+2)}$$

Sequence: A131476
Score: 7.83705
Type of gen. func.: ogf

$$x^{2}\,(x^{3}+3\,x+2)$$

$$\frac{}{(x^2+x+1)(x-1)^4}$$

Sequence: A131477
Score: 11.6350
Type of gen. func.: lgdogf

$$-\frac{3(x^2+1)(2x^3+6x^2+3x+1)}{(x-1)(x^2+x+1)(2x^3+3x^2+1)}$$

Sequence: A131477
Score: 8.23127
Type of gen. func.: ogf

$$\frac{x(2x^3+3x^2+1)}{(x^2+x+1)(x-1)^4}$$

Sequence: A131478
Score: 11.2129
Type of gen. func.: lgdogf

$$-\frac{2(x^5+2x^4+22x^3+20x^2+13x+2)}{(x-1)(x+1)(x^4+10x^2+1)}$$

Sequence: A131478
Score: 4.25273
Type of gen. func.: ogf

$$\{(-n^2-6n-10)a(n+1)+(-4n-8)a(n+2)+(n^2+2n+2)a(n+3),$$

$$a(0)=0,\ a(1)=1,\ a(2)=4\}$$

Sequence: A131478
Score: 8.60918
Type of gen. func.: ogf

$$-\frac{x\,(x^4 + 10\,x^2 + 1)}{(x + 1)\,(x - 1)^5}$$

Sequence: A131479
Score: 16.1675
Type of gen. func.: lgdogf

$$-\frac{4\,x^3 + 9\,x^2 + 12\,x + 5}{(x - 1)\,(x + 1)\,(x^2 + x + 1)}$$

Sequence: A131479
Score: 27.8740
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + x + 5$$

Sequence: A131479
Score: 8.26318
Type of gen. func.: ogf

$$-\frac{4\,x^2\,(x^2 + x + 1)}{(x + 1)\,(x - 1)^5}$$

Sequence: A131498
Score: 8.02813
Type of gen. func.: ogf

$$-\frac{2\,x^8 + 3\,x^7 - 3\,x^6 - 2\,x^5 - 5\,x^4 + x^3 + 3\,x^2 + 2\,x + 3}{(x - 1)^3\,(x + 1)^3\,(x^2 + 1)^3}$$

Sequence: A131505
Score: 10.8876
Type of gen. func.: ogf

$$\frac{x\,(x^3 - x^2 + 2\,x - 1)}{(x - 1)^2\,(x^2 + 1)^2}$$

Sequence: A131505
Score: 19.5132
Type of gen. func.: lgdogf

$$-\frac{x\,(3\,x^4 - 5\,x^3 + 11\,x^2 - 9\,x + 4)}{(x - 1)\,(x^2 + 1)\,(x^3 - x^2 + 2\,x - 1)}$$

Sequence: A131508
Score: 12.5212
Type of gen. func.: lgdogf

$$-\frac{5\,x^6 + 6\,x^5 + 7\,x^4 + 16\,x^3 + 3\,x^2 + 2\,x + 1}{(x - 1)\,(x + 1)\,(x^2 + 1)\,(x^3 + x^2 + x + 2)}$$

Sequence: A131508
Score: 12.5814
Type of gen. func.: ogf

$$\frac{x^3\,(x^3 + x^2 + x + 2)}{(x - 1)^2\,(x + 1)^2\,(x^2 + 1)^2}$$

Sequence: A131509
Score: 6.23103
Type of gen. func.: ogf

$$-\frac{5\,x^5 + 53\,x^4 + 38\,x^3 + 26\,x^2 - 3\,x + 1}{(x - 1)^7}$$

Sequence: A131509
Score: 7.89855
Type of gen. func.: lgdogf

$$-\frac{2\left(5x^5+92x^4+182x^3+122x^2+17x+2\right)}{(x-1)\left(5x^5+53x^4+38x^3+26x^2-3x+1\right)}$$

Sequence: A131515
Score: 10.1124
Type of gen. func.: ogf

$$-\frac{20x^2-19x+1}{(x-1)\left(x^2-34x+1\right)}$$

Sequence: A131515
Score: 5.09539
Type of gen. func.: ogf

$$(35847404 f(x) - 19865277)$$

$$(f(x)\,x^3 - 35 f(x)\,x^2 + 35 f(x)\,x + 20 x^2 - f(x) - 19 x + 1)$$

Sequence: A131515
Score: 5.61799
Type of gen. func.: ogf

$$\{a(n+3) - 35\,a(n+2) + 35\,a(n+1) - a(n),\ a(0) = 1,\ a(1) = 16,\ a(2) = 545\}$$

Sequence: A131519
Score: 11.9817
Type of gen. func.: lgdogf

$$-\frac{6(1+2x)\left(2x^2+2x-1\right)}{(2x-1)\left(6x^2+3x-1\right)\left(24x^3-11x+1\right)}$$

Sequence: A131519
Score: 13.4829
Type of gen. func.: ogf

$$\frac{(2x-1)(6x^2+3x-1)}{24x^3-11x+1}$$

Sequence: A131519
Score: 6.34488
Type of gen. func.: ogf

$\{-a(n+4)+11\,a(n+3)-24\,a(n+1),\ a(0)=1,\ a(1)=6,\ a(2)=66,$

$a(3)=714\}$

Sequence: A131519
Score: 7.86502
Type of gen. func.: ogf

$$(-5+9f(x))(24f(x)x^3-12x^3-11f(x)x+f(x)+5x-1)$$

Sequence: A131520
Score: 11.3153
Type of gen. func.: ogf

$$\frac{2(x^2+x-1)}{(2x-1)(x-1)^2}$$

Sequence: A131520
Score: 15.3749
Type of gen. func.: lgdogf

$$-\frac{2x^3+6x^2-9x+3}{(x-1)(2x-1)(x^2+x-1)}$$

Sequence: A131520

Score: 5.95027
Type of gen. func.: ogf

$$-(f(x) + 34) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x - 2 x^2 - f(x) - 2 x + 2)$$

Sequence: A131520
Score: 6.10825
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 2, a(1) = 6, a(2) = 12\}$$

Sequence: A131521
Score: 10.2205
Type of gen. func.: lgdogf

$$- \frac{10 (-5 + 180 x + 4 (1 - 36 x)^{1/2})}{(100 x - 1) (36 x - 1)}$$

Sequence: A131521
Score: 13.3653
Type of gen. func.: revogf

$$\frac{(4 - 50 x + 5 (100 x^2 - 16 x + 1)^{1/2}) x}{9}$$

Sequence: A131521
Score: 3.26587
Type of gen. func.: ogf

$$\{(-3600 n - 5400) a(n + 1) + (136 n + 354) a(n + 2) + (-n - 3) a(n + 3),$$

$$a(0) = 1, a(1) = 10, a(2) = 190\}$$

Sequence: A131521
Score: 9.33925
Type of gen. func.: ogf

$$-100 f(x)^2 x + f(x)^2 + 8 f(x) - 9$$

Sequence: A131524
Score: 14.0695
Type of gen. func.: ogf

$$\frac{x^2}{(x - 1) (x^4 + x^2 - 1)}$$

Sequence: A131524
Score: 17.6476
Type of gen. func.: lgdogf

$$-\frac{5 x^4 - 4 x^3 + 3 x^2 - 2 x - 1}{(x - 1) (x^4 + x^2 - 1)}$$

Sequence: A131531
Score: 19.4905
Type of gen. func.: ogf

$$\frac{x^2}{(x + 1) (x^2 - x + 1)}$$

Sequence: A131531
Score: 22.5543
Type of gen. func.: ogf_with_Euler_transform]

$$x^5 - x^2$$

Sequence: A131531
Score: 40.6961
Type of gen. func.: lgdogf

$$-\frac{3 x^2}{(x + 1) (x^2 - x + 1)}$$

Sequence: A131531
Score: 7.63816
Type of gen. func.: ogf

$$\{a(n + 3) + a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A131531
Score: 9.58006
Type of gen. func.: ogf

$$f(x) (f(x) x^3 - x^2 + f(x))$$

Sequence: A131532
Score: 11.5941
Type of gen. func.: ogf

$$- \frac{x^4}{(x - 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A131532
Score: 18.3524
Type of gen. func.: lgdogf

$$- \frac{5 x^4 - 4 x^3 + 3 x^2 - 2 x + 1}{(x - 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A131532
Score: 22.7415
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5 - x + 1]$$

Sequence: A131532

Score: 4.89528
Type of gen. func.: ogf

$$-f(x) (f(x) x^5 - f(x) x^4 + f(x) x^3 + x^4 - f(x) x^2 + f(x) x - f(x))$$

Sequence: A131533
Score: 10.7354
Type of gen. func.: ogf

$$\frac{x^4}{(x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A131533
Score: 20.0066
Type of gen. func.: lgdogf

$$- \frac{5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1}{(x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A131533
Score: 26.1399
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5 - 1]$$

Sequence: A131533
Score: 4.99892
Type of gen. func.: ogf

$$f(x) (f(x) x^5 + f(x) x^4 + f(x) x^3 - x^4 + f(x) x^2 + f(x) x + f(x))$$

Sequence: A131534
Score: 13.0433
Type of gen. func.: ogf

$$\{a(n + 3) - a(n), a(0) = 1, a(1) = 2, a(2) = 1\}$$

Sequence: A131534
Score: 13.9619
Type of gen. func.: ogf

$$-f(x) (f(x) x^3 + x^2 - f(x) + 2 x + 1)$$

Sequence: A131534
Score: 20.2305
Type of gen. func.: ogf

$$- \frac{(x + 1)^2}{(x - 1) (x^2 + x + 1)}$$

Sequence: A131534
Score: 27.0188
Type of gen. func.: lgdogf

$$- \frac{x^3 + 3 x^2 + 2}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A131534
Score: 34.1122
Type of gen. func.: egf]_with_Euler_transform]

$$\frac{(x - 2)^2}{2}$$

Sequence: A131554
Score: 6.67621
Type of gen. func.: ogf

$$(f(x) - 1) (f(x) x^5 - x^4 + x^3 - x^2 - f(x) + x + 1)$$

Sequence: A131554
Score: 7.79670
Type of gen. func.: lgdogf

$$-\frac{x^8-2x^7+3x^6-4x^5-5x^4+4x^3-3x^2+2x-1}{(x-1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x-1)}$$

Sequence: A131554
Score: 9.34671
Type of gen. func.: ogf

$$\frac{x^4-x^3+x^2-x-1}{(x-1)(x^4+x^3+x^2+x+1)}$$

Sequence: A131555
Score: 10.6981
Type of gen. func.: ogf

$$-\frac{x^2(2x^2+1)}{(x-1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A131555
Score: 13.5094
Type of gen. func.: lgdogf

$$-\frac{6x^6-4x^5+7x^4-4x^3+x^2+2x+1}{(x-1)(2x^2+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A131555
Score: 6.59001
Type of gen. func.: ogf

$$-f(x)\,x^5+f(x)\,x^4-f(x)\,x^3-2x^4+f(x)\,x^2-f(x)\,x-x^2+f(x)$$

Sequence: A131556
Score: 11.7112
Type of gen. func.: ogf

$$\{a(n + 3) + a(n), a(0) = 1, a(1) = -2, a(2) = 1\}$$

Sequence: A131556
Score: 12.5359
Type of gen. func.: ogf

$$-f(x) (f(x) x^3 - x^2 + f(x) + 2 x - 1)$$

Sequence: A131556
Score: 18.1642
Type of gen. func.: ogf

$$\frac{(x - 1)^2}{(x + 1) (x^2 - x + 1)}$$

Sequence: A131556
Score: 29.4832
Type of gen. func.: lgdogf

$$- \frac{x^3 - 3 x^2 - 2}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A131556
Score: 30.6209
Type of gen. func.: ogf_with_Euler_transform]

$$x^5 - x^2 - 2$$

Sequence: A131557
Score: 6.71792
Type of gen. func.: ogf

$$-\frac{5\,(2\,x^4 - 635\,x^2 + 486\,x + 11)}{(x - 1)\,(x^2 + 18\,x + 1)\,(x^2 - 18\,x + 1)}$$

Sequence: A131561
Score: 13.2684
Type of gen. func.: ogf

$$-(f(x) - 1)\,(f(x)\,x^3 - x^2 - f(x) + x + 1)$$

Sequence: A131561
Score: 13.7922
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n),\ a(0) = 1,\ a(1) = 1,\ a(2) = -1\}$$

Sequence: A131561
Score: 21.3920
Type of gen. func.: ogf

$$\frac{x^2 - x - 1}{(x - 1)\,(x^2 + x + 1)}$$

Sequence: A131561
Score: 23.5024
Type of gen. func.: lgdogf

$$-\frac{x^4 - 2\,x^3 - 3\,x^2 + 2\,x - 1}{(x - 1)\,(x^2 + x + 1)\,(x^2 - x - 1)}$$

Sequence: A131562
Score: 12.0821
Type of gen. func.: ogf

2

$$-\frac{x - x - 1}{(1 + 2x)(x^2 + x + 1)}$$

Sequence: A131562
Score: 14.4973
Type of gen. func.: lgdogf

$$-\frac{2(x + 1)(x^3 - 3x^2 - 3x - 1)}{(1 + 2x)(x^2 + x + 1)(x^2 - x - 1)}$$

Sequence: A131562
Score: 6.40878
Type of gen. func.: ogf

$$-(f(x) - 1)(2 f(x) x^3 + 3 f(x) x^2 + 3 f(x) x + x^2 + f(x) - x - 1)$$

Sequence: A131562
Score: 6.58044
Type of gen. func.: ogf

$\{-a(n + 3) - 3 a(n + 2) - 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = -2, a(2) = 2\}$

Sequence: A131569
Score: 6.00092
Type of gen. func.: lgdogf

$$-\frac{2(x^9 - 4x^8 + 12x^6 - 5x^5 - 5x^4 + 10x^3 - 8x^2 + 1)}{(x - 1)(x + 1)(x^2 - 3x + 1)(x^2 + x - 1)(x^4 - 2x^3 - 2x^2 + 2x - 1)}$$

Sequence: A131569
Score: 7.43473
Type of gen. func.: ogf

$$-\frac{x^4 - 2x^3 - 2x^2 + 2x - 1}{{}^2 \qquad\qquad {}^2}$$

$$(x - 1) (x + 1) (x - 3 x + 1) (x + x - 1)$$

Sequence: A131572
Score: 10.8225
Type of gen. func.: ogf

$$-f(x) (2 f(x) x^{2} + 2 x^{2} - f(x) + x)$$

Sequence: A131572
Score: 16.1135
Type of gen. func.: ogf

$$-\frac{x (1 + 2 x)}{2 x^{2} - 1}$$

Sequence: A131572
Score: 20.9969
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^{2} + 2 x + 1)}{(1 + 2 x) (2 x^{2} - 1)}$$

Sequence: A131572
Score: 20.9969
Type of gen. func.: revogf

$$\frac{-1 + (8 x^{2} + 8 x + 1)^{1/2}}{4 (x + 1)}$$

Sequence: A131572
Score: 8.73624
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A131575
Score: 10.9412
Type of gen. func.: ogf

$$2 f(x) x^2 - 2 x^2 - f(x) + x + 1$$

Sequence: A131575
Score: 11.8343
Type of gen. func.: ogf

$$\frac{(1 + 2 x) (x - 1)}{2 x^2 - 1}$$

Sequence: A131575
Score: 19.3446
Type of gen. func.: lgdogf

$$\frac{2 x^2 + 1}{(x - 1) (1 + 2 x) (2 x^2 - 1)}$$

Sequence: A131575
Score: 6.98652
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 0\}$$

Sequence: A131577
Score: 11.2670
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1), a(0) = 0, a(1) = 1\}$$

Sequence: A131577
Score: 13.5585
Type of gen. func.: ogf

$$-f(x) (2 f(x) x - f(x) + x)$$

Sequence: A131577
Score: 27.5846
Type of gen. func.: ogf

$$-\frac{x}{2x-1}$$

Sequence: A131577
Score: 60.7144
Type of gen. func.: revegf]

$$1/2 \ln(1+2x)$$

Sequence: A131577
Score: 71.7534
Type of gen. func.: lgdogf

$$-\frac{2}{2x-1}$$

Sequence: A131579
Score: 9.21667
Type of gen. func.: ogf

$$-\frac{x(7x^8+4x^7+x^6+8x^5+5x^4+2x^3+9x^2+6x+3)}{(x-1)(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)}$$

Sequence: A131588
Score: 11.2964
Type of gen. func.: ogf

$$\frac{2x^3-2x^2+x+1}{(x-1)(1+2x)(2x-1)(x+1)}$$

Sequence: A131588

Score: 6.8623
Type of gen. func.: ogf

$$-(58 f(x) + 63) (4 f(x) x^4 - 5 f(x) x^2 - 2 x^3 + 2 x^2 + f(x) - x - 1)$$

Sequence: A131588
Score: 8.09305
Type of gen. func.: lgdogf

$$-\frac{8 x^6 - 16 x^5 + 22 x^4 + 16 x^3 - 11 x^2 - 6 x - 1}{(x - 1) (1 + 2 x) (2 x - 1) (x + 1) (2 x^3 - 2 x^2 + x + 1)}$$

Sequence: A131589
Score: 12.7790
Type of gen. func.: ogf

$$-\frac{2 x^2 + 9 x + 3}{(x + 1) (x^2 + 3 x + 1)}$$

Sequence: A131589
Score: 13.4545
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 18 x^3 + 37 x^2 + 20 x + 3}{(x + 1) (x^2 + 3 x + 1) (2 x^2 + 9 x + 3)}$$

Sequence: A131589
Score: 6.83785
Type of gen. func.: ogf

$$(79 f(x) - 127) (f(x) x^3 + 4 f(x) x^2 + 4 f(x) x + 2 x^2 + f(x) + 9 x + 3)$$

Sequence: A131589
Score: 6.95996
Type of gen. func.: ogf

$$\{-a(n + 3) - 4 a(n + 2) - 4 a(n + 1) - a(n), a(0) = -3, a(1) = 3, a(2) = -2\}$$

Sequence: A131598
Score: 12.0889
Type of gen. func.: ogf

$$-(47 f(x) + 254) (f(x) x^3 + 8 x^2 - f(x) + 5 x + 2)$$

Sequence: A131598
Score: 13.0433
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n), a(0) = 2, a(1) = 5, a(2) = 8\}$$

Sequence: A131598
Score: 16.7703
Type of gen. func.: lgdogf

$$- \frac{8 x^4 + 10 x^3 + 6 x^2 + 16 x + 5}{(x - 1) (x^2 + x + 1) (8 x^2 + 5 x + 2)}$$

Sequence: A131598
Score: 20.2305
Type of gen. func.: ogf

$$- \frac{8 x^2 + 5 x + 2}{(x - 1) (x^2 + x + 1)}$$

Sequence: A131600
Score: 13.8772
Type of gen. func.: ogf

$$- \frac{18 x^2 + 18 x + 19}{(3 x - 1) (6 x^2 + 2 x + 1)}$$

Sequence: A131600
Score: 7.83169
Type of gen. func.: ogf

$$(67 f(x) - 1349) (18 f(x) x^3 + f(x) x + 18 x^2 - f(x) + 18 x + 19)$$

Sequence: A131600
Score: 8.07145
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 18 a(n), a(0) = 19, a(1) = 37, a(2) = 55\}$$

Sequence: A131601
Score: 13.3255
Type of gen. func.: ogf

$$-\frac{48 x^2 + 48 x + 49}{(4 x - 1) (12 x^2 + 3 x + 1)}$$

Sequence: A131601
Score: 7.44662
Type of gen. func.: ogf

$$(187 f(x) - 9359) (48 f(x) x^3 + f(x) x + 48 x^2 - f(x) + 48 x + 49)$$

Sequence: A131601
Score: 7.67226
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 48 a(n), a(0) = 49, a(1) = 97, a(2) = 145\}$$

Sequence: A131603
Score: 20.1190
Type of gen. func.: lgdogf

$$\frac{2 (x^4 - 9 x^3 + 21 x^2 - 68 x + 56)}{(x - 1) (x^4 - 14 x^3 + 9 x^2 + 118 x - 115)}$$

Sequence: A131607
Score: 3.02321
Type of gen. func.: ogf

$$\frac{x^4 + x^3 - 2 x^2 + x + 1}{(x - 1) (x^2 + 1) (x^2 + 2 x - 1) (x^4 - x^2 + 1)}$$

Sequence: A131608
Score: 7.17781
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (9 x^6 - 6 x^5 + 4 x^3 + 2 x^2 + 1)}{(x^4 + 1) (x^8 - x^4 + 1)}$$

Sequence: A131640
Score: 10.5651
Type of gen. func.: ogf

$$- \frac{5 (182 x^3 - 10 x^2 - 10 x - 197)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A131640
Score: 4.32998
Type of gen. func.: ogf

$$\{(-35 n - 691) a(n + 1) - 35 a(n + 2) - 35 a(n + 3) + (35 n + 656) a(n + 4),$$

$$a(0) = 985, a(1) = 1035, a(2) = 1085, a(3) = 1160\}$$

Sequence: A131640
Score: 5.86953
Type of gen. func.: ogf

$$(3143 f(x) + 29842144)$$

$$(f(x) x^4 - f(x) x^3 + 910 x^3 - f(x) x - 50 x^2 + f(x) - 50 x - 985)$$

Sequence: A131640
Score: 8.93604
Type of gen. func.: lgdogf

$$-\frac{182 x^5 + 162 x^4 + 142 x^3 - 262 x^2 - 227 x - 207}{(x - 1) (x^2 + x + 1) (182 x^3 - 10 x^2 - 10 x - 197)}$$

Sequence: A131646
Score: 4.00142
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(\frac{8}{x^3} + \frac{2}{x^9} + \frac{2}{x^{11}} + \frac{2}{x^{10}} + 998\right) x^{11}}{x^2 + x + 1}$$

Sequence: A131649
Score: 14.9982
Type of gen. func.: lgdogf

$$\frac{x^4 - 4 x^3 + 8 x^2 + 4}{(x - 1) (x^4 - 2 x^3 - 2 x^2 + 2 x - 2)}$$

Sequence: A131649
Score: 5.20503
Type of gen. func.: ogf

$$\{a(n + 5) - 3 a(n + 4) + 3 a(n + 3) - a(n + 2), a(0) = 4, a(1) = 8, a(2) = 16,$$

$$a(3) = 32, a(4) = 54\}$$

Sequence: A131649
Score: 5.84076
Type of gen. func.: ogf

$$(27 f(x) + 1522)$$

$$(f(x) x^3 - 2 x^4 - 3 f(x) x^2 + 4 x^3 + 3 f(x) x + 4 x^2 - f(x) - 4 x + 4)$$

Sequence: A131649
Score: 9.93687
Type of gen. func.: ogf

$$\frac{2 (x^4 - 2 x^3 - 2 x^2 + 2 x - 2)}{(x - 1)^3}$$

Sequence: A131662
Score: 6.09887
Type of gen. func.: ogf

$$\frac{x^7 + 2519 x^6 + 9360 x^5 + 1441 x^4 + 1079 x^3 + 1441 x^2 + 9360 x + 2519}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A131663
Score: 7.09608
Type of gen. func.: lgdogf

$$- \frac{2 x^6 + 2161 x^5 + 5037 x^4 + 5400 x^3 + 2522 x^2 + 3239 x + 1799}{(x - 1) (x + 1) (x^3 + 720 x^2 + 1079 x + 720) (x^2 + 1)}$$

Sequence: A131663
Score: 9.61892
Type of gen. func.: ogf

$$\frac{x^3 + 720 x^2 + 1079 x + 720}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A131665
Score: 10.0048
Type of gen. func.: ogf

$$\frac{x^2 (1 + 2 x) (x^2 + x + 1)}{3 x^4 - 3 x^2 + 1}$$

Sequence: A131665
Score: 10.4065
Type of gen. func.: lgdogf

$$- \frac{3 (2 x^6 + 6 x^5 + 11 x^4 + 4 x^3 - 5 x^2 - 4 x - 1)}{(1 + 2 x) (x^2 + x + 1) (3 x^4 - 3 x^2 + 1)}$$

Sequence: A131666
Score: 11.8317
Type of gen. func.: ogf

$$\frac{x^2 (x - 1)}{(x + 1) (2 x - 1) (x^2 - x + 1)}$$

Sequence: A131666
Score: 12.1123
Type of gen. func.: lgdogf

$$- \frac{(2 x^2 - 2 x - 1) (3 x^2 - 2 x + 1)}{(x - 1) (2 x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A131666
Score: 6.27596
Type of gen. func.: ogf

$$-(f(x) + 1) (2 f(x) x^4 - f(x) x^3 - x^3 + 2 f(x) x + x^2 - f(x))$$

Sequence: A131667
Score: 14.9719
Type of gen. func.: lgdogf

$$-\frac{2x^5+2x^4+2x^3+11x^2-x-1}{(x-1)(x^2+x+1)(x^3+x^2+x+2)}$$

Sequence: A131667
Score: 8.58419
Type of gen. func.: ogf

$$-\frac{x^3+x^2+x+2}{(x-1)(x^2+x+1)^2}$$

Sequence: A131668
Score: 5.94238
Type of gen. func.: ogf

$$\frac{10x^9+20x^8+20x^7+20x^6+20x^5+2x^4+2x^3+2x^2+2x+1}{(x-1)(100x^9-1)}$$

Sequence: A131669
Score: 7.47509
Type of gen. func.: ogf

$$-\frac{8x^8+6x^7+4x^6+2x^5+9x^4+7x^3+5x^2+3x+1}{(x-1)(x^2+x+1)(x^6+x^3+1)}$$

Sequence: A131670
Score: 15.5721
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{11}+x(x^4+x^3+x^2-1)$$

Sequence: A131670
Score: 17.0719
Type of gen. func.: ogf

$$-\frac{x^4 - x^2 + 1}{(x - 1)(x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A131670
Score: 18.7556
Type of gen. func.: lgdogf

$$-\frac{x (x^7 - 3 x^5 + 5 x^3 + 4 x^2 - 2)}{(x - 1)(x^4 + x^3 + x^2 + x + 1)(x^4 - x^2 + 1)}$$

Sequence: A131670
Score: 9.23279
Type of gen. func.: ogf

$$(104 f(x)^2 - 184 f(x) + 19)(f(x) x^5 + x^4 - x^2 - f(x) + 1)$$

Sequence: A131672
Score: 3.42878
Type of gen. func.: ogf

$$-\frac{2660 x^9 + 3640 x^7 + 1210 x^5 + 1650 x^4 + 990 x^3 + 594 x^2 + 560 x + 1}{x - 1}$$

Sequence: A131682
Score: 6.23103
Type of gen. func.: ogf

$$-\frac{2 x^5 + 63 x^4 + 25 x^3 + 35 x^2 - 7 x + 2}{(x - 1)^7}$$

Sequence: A131682
Score: 9.48640
Type of gen. func.: lgdogf

$$-\frac{4x^5+199x^4+352x^3+250x^2+28x+7}{(x-1)(2x^5+63x^4+25x^3+35x^2-7x+2)}$$

Sequence: A131683
Score: 3.27182
Type of gen. func.: ogf

$$-(80x^9+7205x^8+61625x^7+213873x^6+217437x^5+93855x^4+8635x^3+2395x^2-353x+48)\Big/(x-1)^{11}$$

Sequence: A131707
Score: 12.2382
Type of gen. func.: ogf

$$-\frac{9x^6-6x^5+4x^3+2x^2+1}{(x-1)(x^2+1)(x^4-x^2+1)}$$

Sequence: A131708
Score: 14.5227
Type of gen. func.: ogf

$$\frac{(x-1)x}{(2x-1)(x^2-x+1)}$$

Sequence: A131708
Score: 18.1565
Type of gen. func.: lgdogf

3   2

$$-\frac{4 x - 9 x + 6 x - 2}{(x - 1) (2 x - 1) (x^2 - x + 1)}$$

Sequence: A131708
Score: 7.45759
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A131708
Score: 9.73874
Type of gen. func.: ogf

$$2 f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + x$$

Sequence: A131709
Score: 15.5420
Type of gen. func.: ogf

$$-\frac{30 x^3 - 30 x^2 + 3 x + 1}{(x - 1) (10 x^2 - 10 x + 1)}$$

Sequence: A131709
Score: 8.21507
Type of gen. func.: ogf

$$\{a(n + 4) - 11 a(n + 3) + 20 a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 14,$$

$$a(2) = 104, a(3) = 904\}$$

Sequence: A131709
Score: 8.91557
Type of gen. func.: ogf

$$(867 f(x) - 7859)$$

$$(10 f(x) x^3 - 20 f(x) x^2 + 30 x^3 + 11 f(x) x - 30 x^2 - f(x) + 3 x + 1)$$

Sequence: A131710
Score: 12.4926
Type of gen. func.: lgdogf

$$\frac{2\,(2\,x^{7} + 5\,x^{6} - 3\,x^{5} - x - 1)}{(x^{2} + 1)\,(x^{2} + 2\,x - 1)\,(x^{4} - x^{2} + 1)}$$

Sequence: A131710
Score: 14.9974
Type of gen. func.: ogf

$$-\frac{x\,(x^{2} + 1)\,(x^{4} - x^{2} + 1)}{x^{2} + 2\,x - 1}$$

Sequence: A131710
Score: 4.42695
Type of gen. func.: ogf

{-a(n + 3) + 2 a(n + 2) + a(n + 1), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 5,

a(4) = 12, a(5) = 29, a(6) = 70, a(7) = 170}

Sequence: A131712
Score: 11.2647
Type of gen. func.: ogf

$$(316\,f(x) + 1591)\,(f(x)\,x^{4} + 9\,x^{3} + 7\,x^{2} - f(x) + 3\,x + 1)$$

Sequence: A131712
Score: 12.0084
Type of gen. func.: lgdogf

$$-\frac{9\,x^{6} + 14\,x^{5} + 9\,x^{4} + 4\,x^{3} + 27\,x^{2} + 14\,x + 3}{(x - 1)\,(x + 1)\,(x^{2} + 1)\,(9\,x^{3} + 7\,x^{2} + 3\,x + 1)}$$

Sequence: A131712
Score: 17.3911
Type of gen. func.: ogf

$$-\frac{9x^3+7x^2+3x+1}{(x-1)(x+1)(x^2+1)}$$

Sequence: A131713
Score: 15.3937
Type of gen. func.: ogf

$$-\frac{x-1}{x^2+x+1}$$

Sequence: A131713
Score: 17.5092
Type of gen. func.: revogf

$$-\frac{x-1+(-3x^2-6x+1)^{1/2}}{2(x+1)}$$

Sequence: A131713
Score: 21.0111
Type of gen. func.: lgdogf

$$-\frac{x^2-2x-2}{(x-1)(x^2+x+1)}$$

Sequence: A131713
Score: 27.6266
Type of gen. func.: ogf_with_Euler_transform]

$$[x^2-2]$$

Sequence: A131713
Score: 8.05485
Type of gen. func.: ogf

$$(3 f(x) - 10) (f(x) x^2 + f(x) x + f(x) + x - 1)$$

Sequence: A131713
Score: 8.44777
Type of gen. func.: ogf

$$\{a(n + 2) + a(n + 1) + a(n), a(0) = 1, a(1) = -2\}$$

Sequence: A131714
Score: 13.2636
Type of gen. func.: ogf

$$\frac{2 x^2 - 2 x + 1}{(x + 1) (x^2 - x + 1)}$$

Sequence: A131714
Score: 8.55151
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n), a(0) = 1, a(1) = -2, a(2) = 2\}$$

Sequence: A131714
Score: 9.15372
Type of gen. func.: ogf

$$-f(x) (f(x) x^3 - 2 x^2 + f(x) + 2 x - 1)$$

Sequence: A131715
Score: 13.5804
Type of gen. func.: ogf

```
             4     3
   2 x (4 x  - 3 x  + 2 x + 1)
   ---------------------------
       2        4    2
```

$(x + 1) (x - x + 1)$

Sequence: A131715
Score: 13.6815
Type of gen. func.: lgdogf

$$-\frac{8 x^{9} - 9 x^{8} + 10 x^{6} + 6 x^{5} - 16 x^{3} + 9 x^{2} - 2}{(x^{2} + 1) (4 x^{4} - 3 x^{3} + 2 x + 1) (x^{4} - x^{2} + 1)}$$

Sequence: A131716
Score: 10.3289
Type of gen. func.: ogf

$$-\frac{x (9 x^{4} + 8 x^{3} + 5 x^{2} + 2 x + 1)}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A131717
Score: 10.5659
Type of gen. func.: ogf

$$\frac{2 x^{5} - x^{4} + 2 x^{3} + x^{2} + x + 1}{(x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A131717
Score: 7.34162
Type of gen. func.: lgdogf

$$-\frac{4 x^{10} - x^{9} + 9 x^{8} + 8 x^{7} + 10 x^{6} + 12 x^{5} + 14 x^{4} + x^{3} + 9 x^{2} + 4 x + 2}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (2 x^{5} - x^{4} + 2 x^{3} + x^{2} + x + 1)}$$

Sequence: A131718
Score: 13.5794
Type of gen. func.: ogf

$$-\frac{x^5 + 2x^4 + x^3 + 2x^2 + x + 1}{(x - 1)(x + 1)(x^2 + x + 1)(x^2 - x + 1)}$$

Sequence: A131718
Score: 8.17376
Type of gen. func.: lgdogf

$$-\frac{x^{10} + 4x^9 + 3x^8 + 8x^7 + 5x^6 + 6x^5 + 5x^4 + 8x^3 + 3x^2 + 4x + 1}{(x - 1)(x + 1)(x^2 + x + 1)(x^2 - x + 1)(x^5 + 2x^4 + x^3 + 2x^2 + x + 1)}$$

Sequence: A131719
Score: 19.6554
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5 - x^3 + 1]$$

Sequence: A131719
Score: 6.18581
Type of gen. func.: lgdogf

$$-\frac{3x^6 - 2x^5 + 6x^4 - 4x^3 + 2x^2 + 1}{(x - 1)(x^2 + 1)(x^2 + x + 1)(x^2 - x + 1)}$$

Sequence: A131719
Score: 8.90870
Type of gen. func.: ogf

$$-\frac{(x^2 + 1)\,x}{(x - 1)(x^2 + x + 1)(x^2 - x + 1)}$$

Sequence: A131720
Score: 15.6142
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5 - x^3 + x - 1]$$

Sequence: A131720
Score: 6.31916
Type of gen. func.: lgdogf

$$-\frac{3 x^6 + 2 x^5 + 6 x^4 + 4 x^3 + 2 x^2 + 1}{(x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A131720
Score: 7.93756
Type of gen. func.: ogf

$$\frac{(x^2 + 1) x}{(x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A131721
Score: 11.5418
Type of gen. func.: ogf

$$\frac{(x - 1) (x^2 + 1) (x^4 - x^2 + 1)}{x^2 + 2 x - 1}$$

Sequence: A131721
Score: 9.33032
Type of gen. func.: lgdogf

$$\frac{5 x^8 + 8 x^7 - 17 x^6 + 6 x^5 - x^2 + 2 x + 1}{(x - 1) (x^2 + 1) (x^2 + 2 x - 1) (x^4 - x^2 + 1)}$$

Sequence: A131722
Score: 10.4347
Type of gen. func.: ogf

$$-\frac{10\,x\,(x^4+x^3+x^2+x+1)}{(x-1)\,(x+1)\,(x^2+x+1)\,(x^2-x+1)}$$

Sequence: A131722
Score: 23.3169
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5-x^4+1]$$

Sequence: A131722
Score: 5.17438
Type of gen. func.: lgdogf

$$-\frac{2\,x^9+3\,x^8+4\,x^7+5\,x^6+6\,x^5+4\,x^3+3\,x^2+2\,x+1}{(x-1)\,(x+1)\,(x^2+x+1)\,(x^2-x+1)\,(x^4+x^3+x^2+x+1)}$$

Sequence: A131723
Score: 12.5543
Type of gen. func.: ogf

$$-\frac{x\,(x+2)}{(x-1)\,(x+1)^3}$$

Sequence: A131723
Score: 23.5910
Type of gen. func.: lgdogf

$$-\frac{3\,(x^2+2\,x-1)}{(x-1)\,(x+2)\,(x+1)}$$

Sequence: A131723
Score: 6.27713
Type of gen. func.: ogf

$$-(95 f(x) + 229) (f(x) x^4 + 2 f(x) x^3 - 2 f(x) x + x^2 - f(x) + 2 x)$$

Sequence: A131724
Score: 10.7465
Type of gen. func.: ogf

$$- \frac{9 x^5 + 11 x^4 + 13 x^3 + 7 x^2 + 9 x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A131725
Score: 3.96620
Type of gen. func.: ogf

$$\frac{x (x^8 + 8 x^7 + 4 x^6 + 5 x^4 + 4 x^2 + 2 x + 1)}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A131727
Score: 4.64141
Type of gen. func.: ogf

$$\frac{(x^3 + 2 x^2 + x + 1) (x^3 - x + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 2 x - 1) (x^4 - x^2 + 1)}$$

Sequence: A131728
Score: 18.5703
Type of gen. func.: lgdogf

$$- \frac{4 x^4 - 7 x^3 + 9 x^2 - 3 x + 1}{(x - 1) (x^2 + 1) (x^2 - x + 1)}$$

Sequence: A131728
Score: 20.6411
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + 2 x^3 + x^2 - x + 1$$

Sequence: A131728
Score: 9.53422
Type of gen. func.: ogf

$$\frac{x (x^2 - x + 1)}{(x - 1)^2 (x^2 + 1)^2}$$

Sequence: A131729
Score: 11.5267
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^4 + x^3 - x^2 - f(x) + x)$$

Sequence: A131729
Score: 18.0512
Type of gen. func.: ogf

$$- \frac{x (x^2 - x + 1)}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A131729
Score: 21.1883
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - 3 x^4 + 4 x^3 + 2 x - 1}{(x - 1) (x + 1) (x^2 + 1) (x^2 - x + 1)}$$

Sequence: A131729
Score: 23.2910
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^3 + x^2 + x - 1$$

Sequence: A131730
Score: 14.6558
Type of gen. func.: ogf

$$-\frac{x (x^3 + x^2 - 1)}{(x - 1) (x^2 + 1) (x + 1)^2}$$

Sequence: A131730
Score: 18.1521
Type of gen. func.: lgdogf

$$-\frac{2 x^6 + 2 x^5 - 5 x^3 + 3 x^2 + x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^3 + x^2 - 1)}$$

Sequence: A131731
Score: 13.8619
Type of gen. func.: ogf

$$\frac{3 x^2 - x + 2}{(x + 1) (x^2 + 1)}$$

Sequence: A131731
Score: 19.9133
Type of gen. func.: lgdogf

$$-\frac{3 x^4 - 2 x^3 + 2 x^2 - 2 x + 3}{(x + 1) (x^2 + 1) (3 x^2 - x + 2)}$$

Sequence: A131731
Score: 7.48296
Type of gen. func.: ogf

$$(34 f(x) + 23) (f(x) x^3 + f(x) x^2 + f(x) x - 3 x^2 + f(x) + x - 2)$$

Sequence: A131731
Score: 7.54978
Type of gen. func.: ogf

$$\{a(n + 3) + a(n + 2) + a(n + 1) + a(n), a(0) = 2, a(1) = -3, a(2) = 4\}$$

Sequence: A131732
Score: 10.2064
Type of gen. func.: ogf

$$-\frac{x^3 + x^2 + x - 1}{(x + 1)^2 (x^2 + 1)^2}$$

Sequence: A131732
Score: 18.8048
Type of gen. func.: lgdogf

$$-\frac{(x - 1) (x^2 + 2 x + 3) (3 x^2 + 2 x + 1)}{(x + 1) (x^2 + 1) (x^3 + x^2 + x - 1)}$$

Sequence: A131734
Score: 16.3127
Type of gen. func.: lgdogf

$$-\frac{2 x (x^8 - 2 x^6 - 3 x^4 + 2 x^2 - 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 - 1)}$$

Sequence: A131734
Score: 16.3212
Type of gen. func.: ogf

$$x (x^4 - x^2 - 1)$$

$$\overline{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A131735
Score: 10.6981
Type of gen. func.: ogf

$$- \frac{x^{2} (x^{2} + 1)}{(x - 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A131735
Score: 14.3041
Type of gen. func.: lgdogf

$$- \frac{3 x^{6} - 2 x^{5} + 6 x^{4} - 4 x^{3} + 2 x^{2} + 1}{(x - 1) (x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A131735
Score: 24.9108
Type of gen. func.: ogf_with_Euler_transform]

$$[x^{5} - x^{3} + 1]$$

Sequence: A131736
Score: 12.404
Type of gen. func.: ogf

$$-f(x) x^{4} - f(x) x^{2} - x^{3} + x^{2} - f(x)$$

Sequence: A131736
Score: 15.4506
Type of gen. func.: ogf

$$- \frac{x^{2} (x - 1)}{{}^{2} \qquad\qquad {}^{2}}$$

$$(x + x + 1) (x - x + 1)$$

Sequence: A131736
Score: 23.7323
Type of gen. func.: lgdogf

$$-\frac{3 x^4 - 4 x^3 + x^2 - 2 x - 1}{(x - 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A131736
Score: 30.3100
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5 - x - 1]$$

Sequence: A131737
Score: 14.3365
Type of gen. func.: ogf

$$\frac{x (x^4 + 1)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A131737
Score: 20.4100
Type of gen. func.: lgdogf

$$-\frac{(x + 1) (x^4 + 4 x^2 + 1)}{(x - 1) (x^2 + x + 1) (x^4 + 1)}$$

Sequence: A131737
Score: 22.0099
Type of gen. func.: ogf_with_Euler_transform]

$$-x^7 + x^3 + x^2 + 1$$

Sequence: A131737
Score: 6.75357
Type of gen. func.: ogf

$$-f(x) (2 f(x) + 1) (f(x) x^4 - x^5 - f(x) x^3 - f(x) x + f(x) - x)$$

Sequence: A131738
Score: 11.6199
Type of gen. func.: ogf

$$f(x) (f(x) x^2 + 2 f(x) x + x^2 + f(x) + 2 x)$$

Sequence: A131738
Score: 19.2084
Type of gen. func.: ogf

$$-\frac{x (x + 2)}{(x + 1)^2}$$

Sequence: A131738
Score: 36.2669
Type of gen. func.: revogf

$$-\frac{x}{(x + 1)^{1/2} (1 + (x + 1)^{1/2})}$$

Sequence: A131738
Score: 60.4449
Type of gen. func.: lgdogf

$$-\frac{x + 3}{(x + 2) (x + 1)}$$

Sequence: A131738
Score: 9.31894

Type of gen. func.: ogf

$$\{-a(n + 3) - 2 a(n + 2) - a(n + 1), a(0) = 0, a(1) = -2, a(2) = 3\}$$

Sequence: A131739
Score: 17.9919
Type of gen. func.: lgdogf

$$-\frac{4 x^4 - 7 x^3 + 15 x^2 - 7 x + 3}{(x - 1) (x^2 + 1) (x^2 - x + 2)}$$

Sequence: A131739
Score: 9.96046
Type of gen. func.: ogf

$$\frac{x^2 (x^2 - x + 2)}{(x - 1)^2 (x^2 + 1)^2}$$

Sequence: A131742
Score: 11.2993
Type of gen. func.: lgdogf

$$-\frac{3 x^7 + 5 x^6 - 5 x^5 + 5 x^4 + 14 x^3 + 2 x^2 - 2 x + 2}{(x - 1) (x + 1) (x^2 + 1) (x^4 + x^3 - x^2 + x + 1)}$$

Sequence: A131742
Score: 6.48893
Type of gen. func.: ogf

$$\frac{x^2 (x^4 + x^3 - x^2 + x + 1)}{(x + 1) (x - 1)^2 (x^2 + 1)^2}$$

Sequence: A131743
Score: 15.1966

Type of gen. func.: ogf

$$-f(x)\,x^4 - 2\,x^3 + f(x) - x$$

Sequence: A131743
Score: 16.5474
Type of gen. func.: ogf

$$-\frac{x\,(2\,x^2 + 1)}{(x - 1)\,(x + 1)\,(x^2 + 1)}$$

Sequence: A131743
Score: 18.0125
Type of gen. func.: lgdogf

$$-\frac{4\,x\,(x^2 + x + 1)\,(x^2 - x + 1)}{(x - 1)\,(x + 1)\,(2\,x^2 + 1)\,(x^2 + 1)}$$

Sequence: A131743
Score: 8.65853
Type of gen. func.: ogf

{a(n + 4) - a(n), a(0) = 0, a(1) = 1, a(2) = 0, a(3) = 2}

Sequence: A131750
Score: 3.16261
Type of gen. func.: ogf

$$(3566669437\,f(x) + 2559294)$$

$$(f(x)\,x^3 - 195\,f(x)\,x^2 + 195\,f(x)\,x + x^2 - f(x) - 110\,x + 1)$$

Sequence: A131750
Score: 3.45012
Type of gen. func.: ogf

{-a(n + 3) + 195 a(n + 2) - 195 a(n + 1) + a(n), a(0) = 1, a(1) = 85,

a(2) = 16381}

Sequence: A131750
Score: 6.23082
Type of gen. func.: ogf

$$-\frac{x^2 - 110 x + 1}{(x - 1) (x^2 - 194 x + 1)}$$

Sequence: A131751
Score: 4.08056
Type of gen. func.: ogf

$$(58575 f(x) + 46) (f(x) x^3 - 63 f(x) x^2 + 63 f(x) x + x^2 - f(x) - 32 x + 1)$$

Sequence: A131751
Score: 4.11514
Type of gen. func.: ogf

{-a(n + 3) + 63 a(n + 2) - 63 a(n + 1) + a(n), a(0) = 1, a(1) = 31, a(2) = 1891

}

Sequence: A131751
Score: 7.54017
Type of gen. func.: lgdogf

$$-\frac{x^4 - 64 x^3 + 1956 x^2 - 124 x + 31}{(x - 1) (x^2 - 32 x + 1) (x^2 - 62 x + 1)}$$

Sequence: A131751
Score: 7.58730
Type of gen. func.: ogf

$$-\frac{x^2 - 32 x + 1}{{}^{2}}$$

$$(x - 1) (x \quad - 62 x + 1)$$

Sequence: A131756
Score: 12.548
Type of gen. func.: ogf

$$(179 f(x) - 831) (f(x) x^3 + 3 x^2 - f(x) - x + 2)$$

Sequence: A131756
Score: 13.0433
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n), a(0) = 2, a(1) = -1, a(2) = 3\}$$

Sequence: A131756
Score: 20.2305
Type of gen. func.: ogf

$$-\frac{3 x^2 - x + 2}{(x - 1) (x^2 + x + 1)}$$

Sequence: A131756
Score: 20.6467
Type of gen. func.: lgdogf

$$-\frac{3 x^4 - 2 x^3 + 6 x^2 + 6 x - 1}{(x - 1) (x^2 + x + 1) (3 x^2 - x + 2)}$$

Sequence: A131757
Score: 6.74930
Type of gen. func.: ogf

$$\frac{7 x^8 + 4 x^7 + x^6 + 8 x^5 + 5 x^4 + 2 x^3 + 9 x^2 + 6 x + 3}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A131761
Score: 7.13259
Type of gen. func.: ogf

$$\frac{x (x + 1) (4 x^5 - 2 x^4 + 3 x^3 - 2 x^2 - 1)}{(x^2 - x + 1) (5 x^3 - 1)}$$

Sequence: A131763
Score: 10.0585
Type of gen. func.: lgdogf

$$- \frac{x - 1 + (x^2 - 14 x + 1)^{1/2}}{2 (x^2 - 14 x + 1)^{1/2} x}$$

Sequence: A131763
Score: 12.4361
Type of gen. func.: ogf

$$-4 f(x)^2 x + f(x) x + f(x) - 1$$

Sequence: A131763
Score: 3.44474
Type of gen. func.: ogf

$$\{(n^2 + n) a(n) + (-15 n^2 - 39 n - 24) a(n + 1) + (15 n^2 + 81 n + 108) a(n + 2)$$

$$+ (-n^2 - 7 n - 12) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 21\}$$

Sequence: A131763
Score: 33.5283
Type of gen. func.: revogf

$$\frac{x (4 x - 1)}{x - 1}$$

Sequence: A131765
Score: 10.7114
Type of gen. func.: lgdogf

$$-\frac{-1 + x + (x^2 - 18 x + 1)^{1/2}}{2 (x^2 - 18 x + 1)^{1/2} x}$$

Sequence: A131765
Score: 36.4187
Type of gen. func.: revogf

$$\frac{x (5 x - 1)}{x - 1}$$

Sequence: A131765
Score: 9.45495
Type of gen. func.: ogf

$$-5 f(x)^2 x + f(x) x + f(x) - 1$$

Sequence: A131769
Score: 3.02112
Type of gen. func.: ogf

$$\{a(n + 4) - 4 a(n + 3) + 4 a(n + 2), a(0) = 8, a(1) = 30, a(2) = 72, a(3) = 160\}$$

Sequence: A131769
Score: 3.42781
Type of gen. func.: ogf

$$(5 f(x) + 464) (4 f(x) x^2 + 8 x^3 - 4 f(x) x + 16 x^2 + f(x) + 2 x - 8)$$

Sequence: A131769
Score: 5.74987
Type of gen. func.: ogf

$$-\frac{2\,(4\,x^{3}+8\,x^{2}+x-4)}{(2\,x-1)^{2}}$$

Sequence: A131769
Score: 7.17727
Type of gen. func.: lgdogf

$$\frac{8\,x^{3}-12\,x^{2}-18\,x+15}{(2\,x-1)\,(4\,x^{3}+8\,x^{2}+x-4)}$$

Sequence: A131780
Score: 5.68693
Type of gen. func.: ogf

$$-(6\,f(x)-17)$$

$$(f(x)\,x^{4}+f(x)\,x^{3}-2\,f(x)\,x^{2}+2\,x^{3}-f(x)\,x+x^{2}+f(x)-3\,x-1)$$

Sequence: A131793
Score: 10.5659
Type of gen. func.: ogf

$$\frac{2\,x^{5}+2\,x^{4}-3\,x^{3}+2\,x^{2}+2\,x+1}{(x+1)\,(x^{2}+x+1)\,(x^{2}-x+1)\,(x-1)^{2}}$$

Sequence: A131793
Score: 6.67420
Type of gen. func.: lgdogf

$$-(4\,x^{10}+8\,x^{9}-8\,x^{8}+11\,x^{7}+15\,x^{6}+12\,x^{5}+14\,x^{4}+10\,x^{3}-4\,x^{2}+7\,x+3)\Big/\Big((x-1)\,(x+1)\,(x^{2}+x+1)\,(x^{2}-x+1)\,(2\,x^{5}+2\,x^{4}-3\,x^{3}+2\,x^{2}+2\,x+1)\Big)$$

Sequence: A131794
Score: 9.86662
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{13}+x^{12}+x^{10}-x^{7}+x^{6}-x^{3}-x+1}{-x^{15}-1}$$

Sequence: A131795
Score: 18.9848
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x}{-x^{3}-x^{2}-x-1}$$

Sequence: A131800
Score: 11.7861
Type of gen. func.: ogf

$$(482\ f(x)+969)\ (f(x)\ x^{4}+6\ x^{3}+5\ x^{2}-f(x)+2\ x+1)$$

Sequence: A131800
Score: 12.5832
Type of gen. func.: lgdogf

$$-\frac{2\ (3\ x^{6}+5\ x^{5}+3\ x^{4}+2\ x^{3}+9\ x^{2}+5\ x+1)}{(x-1)\ (x+1)\ (6\ x^{3}+5\ x^{2}+2\ x+1)\ (x^{2}+1)}$$

Sequence: A131800
Score: 17.9893
Type of gen. func.: ogf

$$-\frac{6\ x^{3}+5\ x^{2}+2\ x+1}{(x-1)\ (x+1)\ (x^{2}+1)}$$

Sequence: A131804
Score: 13.0798
Type of gen. func.: lgdogf

$$-\frac{4x^5-6x^4+14x^3-11x^2+6x-1}{(x-1)(x^2+1)(x^3-x^2+2x-1)}$$

Sequence: A131804
Score: 7.79990
Type of gen. func.: ogf

$$-\frac{x^2(x^3-x^2+2x-1)}{(x^2+1)^2(x-1)^3}$$

Sequence: A131805
Score: 10.4707
Type of gen. func.: ogf

$$-\frac{x(x^2+2x-1)}{(x+1)^2(x-1)^3}$$

Sequence: A131805
Score: 20.0964
Type of gen. func.: lgdogf

$$-\frac{3x^3+9x^2-x+1}{(x-1)(x+1)(x^2+2x-1)}$$

Sequence: A131806
Score: 11.2371
Type of gen. func.: ogf

$$(9 f(x) - 13) (f(x) x^4 + 6 x^3 + 4 x^2 - f(x) + 2 x)$$

Sequence: A131806
Score: 16.2364
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^5+3\,x^4+2\,x^3+3\,x+1)}{(x-1)\,(x+1)\,(x^2+1)\,(3\,x^2+2\,x+1)}$$

Sequence: A131806
Score: 16.9617
Type of gen. func.: ogf

$$-\frac{2\,x\,(3\,x^2+2\,x+1)}{(x-1)\,(x+1)\,(x^2+1)}$$

Sequence: A131815
Score: 3.46419
Type of gen. func.: egf]

$$\{(16\,n^3+32\,n^2+12\,n)\,a(n)+(-8\,n^2-16\,n-6)\,a(n+1)+(n+2)\,a(n+2),$$

$$a(0)=1,\ a(1)=-2\}$$

Sequence: A131820
Score: 18.6883
Type of gen. func.: lgdogf

$$-\frac{x^3-x^2+2\,x+6}{(x-1)\,(x^3-2\,x^2+2\,x+1)}$$

Sequence: A131820
Score: 3.87048
Type of gen. func.: ogf

$$\{(113\,n^2+835\,n+1218)\,a(n+1)+(-306\,n^2-2034\,n-2808)\,a(n+2)$$

$$+ (193 n^2 + 959 n + 1140) a(n + 3), a(0) = 1, a(1) = 6, a(2) = 16\}$$

Sequence: A131820
Score: 5.40769
Type of gen. func.: ogf

$$(160 f(x) - 109)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x + 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A131820
Score: 9.90240
Type of gen. func.: ogf

$$\frac{x^3 - 2 x^2 + 2 x + 1}{(x - 1)^4}$$

Sequence: A131831
Score: 13.1272
Type of gen. func.: ogf

$$\frac{3 x^2 - 1}{(2 x - 1) (x - 1)^2}$$

Sequence: A131831
Score: 15.6227
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^3 + 3 x^2 - 6 x + 2)}{(x - 1) (2 x - 1) (3 x^2 - 1)}$$

Sequence: A131831
Score: 4.60807
Type of gen. func.: ogf

$$(f(x) - 33) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x - 3 x^2 - f(x) + 1)$$

Sequence: A131831
Score: 6.68083
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 4, a(2) = 8\}$$

Sequence: A131833
Score: 11.3153
Type of gen. func.: ogf

$$\frac{6 x^2 - 2 x - 1}{(2 x - 1) (x - 1)^2}$$

Sequence: A131833
Score: 6.10825
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 6, a(2) = 13\}$$

Sequence: A131833
Score: 6.90579
Type of gen. func.: ogf

$$-(159 f(x) + 6766) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x - 6 x^2 - f(x) + 2 x + 1)$$

Sequence: A131835
Score: 11.2467
Type of gen. func.: lgdogf

$$\frac{2 (400 x^{12} - 840 x^{11} + 440 x^{10} - 4 x + 5)}{(x - 1) (80 x^{12} - 80 x^{11} + 8 x^2 - 8 x - 1)}$$

Sequence: A131835
Score: 11.3112
Type of gen. func.: ogf

$$-\frac{80 x^{12} - 80 x^{11} + 8 x^{2} - 8 x - 1}{(x - 1)^{2}}$$

Sequence: A131836
Score: 10.6395
Type of gen. func.: ogf

$$\frac{x^{2} (x^{20} - x^{19} + 3 x^{6} - 2 x^{5} + x^{3} - x^{2} - 2)}{x - 1}$$

Sequence: A131836
Score: 8.81182
Type of gen. func.: lgdogf

$$\frac{19 x^{20} - 38 x^{19} + 19 x^{18} + 15 x^{6} - 26 x^{5} + 10 x^{4} + 2 x^{3} - 4 x^{2} + 2 x + 2}{(x - 1) (x^{20} - x^{19} + 3 x^{6} - 2 x^{5} + x^{3} - x^{2} - 2)}$$

Sequence: A131846
Score: 11.5282
Type of gen. func.: ogf

$$-6 f(x)^{2} x + f(x) x + f(x) - 1$$

Sequence: A131846
Score: 3.17835
Type of gen. func.: ogf

$$\{(n^{2} + n) a(n) + (-23 n^{2} - 59 n - 36) a(n + 1) + (23 n^{2} + 125 n + 168) a(n + 2)$$

$$+ (-n^{2} - 7 n - 12) a(n + 3), a(0) = 1, a(1) = 5, a(2) = 55\}$$

Sequence: A131846
Score: 41.7742
Type of gen. func.: revogf

$$\frac{x(-1+6x)}{x-1}$$

Sequence: A131849
Score: 5.32078
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{15}+x^{7}-x^{5}+x^{2}+1$$

Sequence: A131852
Score: 4.94411
Type of gen. func.: ogf

$$-\frac{x^{2}(x^{40}+2x^{32}+x^{30}-x^{6}+1)}{(x-1)(x^{2}+1)(x^{8}+1)(x^{32}+1)}$$

Sequence: A131865
Score: 11.7024
Type of gen. func.: revogf

$$-\frac{-1-17x+(1+25x)^{1/2}(9x+1)^{1/2}}{32x}$$

Sequence: A131865
Score: 15.7041
Type of gen. func.: ogf

$$\frac{1}{(16x-1)(x-1)}$$

Sequence: A131865
Score: 20.7042
Type of gen. func.: lgdogf

$$-\frac{-17 + 32 x}{(16 x - 1) (x - 1)}$$

Sequence: A131865
Score: 6.46639
Type of gen. func.: ogf

$$\{-a(n + 2) + 17 a(n + 1) - 16 a(n), a(0) = 1, a(1) = 17\}$$

Sequence: A131865
Score: 8.1828
Type of gen. func.: ogf

$$(257 f(x) + 32) (16 f(x) x^2 - 17 f(x) x + f(x) - 1)$$

Sequence: A131869
Score: 12.6761
Type of gen. func.: ogf

$$-8 f(x)^2 x + f(x) x + f(x) - 1$$

Sequence: A131869
Score: 3.47855
Type of gen. func.: ogf

$$\{(n^2 + n) a(n) + (-31 n^2 - 79 n - 48) a(n + 1) + (31 n^2 + 169 n + 228) a(n + 2) + (-n^2 - 7 n - 12) a(n + 3), a(0) = 1, a(1) = 7, a(2) = 105\}$$

Sequence: A131869
Score: 46.0069
Type of gen. func.: revogf

$$\frac{x (-1 + 8 x)}{x - 1}$$

Sequence: A131870
Score: 11.1381
Type of gen. func.: ogf

$$-\frac{9x^7+8x^6+7x^5+6x^4+4x^3+3x^2+2x+1}{(x-1)(x+1)(x^2+1)(x^4+1)}$$

Sequence: A131874
Score: 13.2433
Type of gen. func.: ogf

$$\frac{3x^2-9x-1}{(x-1)^3}$$

Sequence: A131874
Score: 22.6437
Type of gen. func.: lgdogf

$$-\frac{3(x^2-4x-4)}{(x-1)(3x^2-9x-1)}$$

Sequence: A131874
Score: 6.84613
Type of gen. func.: ogf

$$(3283 f(x) - 29203) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 3 x^2 - f(x) + 9 x + 1)$$

Sequence: A131874
Score: 7.08634
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 12, a(2) = 30\}$$

Sequence: A131877
Score: 17.7800

Type of gen. func.: ogf

$$\frac{13x+1}{(x-1)^2}$$

Sequence: A131877
Score: 22.2777
Type of gen. func.: revogf

$$-\frac{-1-2x+(1+56x)^{1/2}}{2(-13+x)}$$

Sequence: A131877
Score: 30.8461
Type of gen. func.: lgdogf

$$-\frac{15+13x}{(13x+1)(x-1)}$$

Sequence: A131877
Score: 9.18966
Type of gen. func.: ogf

$$(28 f(x) + 197) (f(x) x^2 - 2 f(x) x + f(x) - 13 x - 1)$$

Sequence: A131877
Score: 9.85398
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 15\}$$

Sequence: A131885
Score: 11.1167
Type of gen. func.: lgdogf

```
                    3      2
   2 (x - 1) (2 x  + 2 x  - 3 x + 1)
- ---------------------------------------------------
          2                 3      2
```

```
(2 x - 1) (2 x  - 2 x + 1) (2 x  - 2 x  + 2 x - 1)
```

Sequence: A131885
Score: 11.6451
Type of gen. func.: ogf

$$\frac{2 x^3 - 2 x^2 + 2 x - 1}{(2 x - 1) (2 x^2 - 2 x + 1)}$$

Sequence: A131885
Score: 6.08719
Type of gen. func.: ogf

$$\{a(n + 4) - 4 a(n + 3) + 6 a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 6\}$$

Sequence: A131885
Score: 6.75217
Type of gen. func.: ogf

$$(f(x) - 9) (4 f(x) x^3 - 6 f(x) x^2 - 2 x^3 + 4 f(x) x + 2 x^2 - f(x) - 2 x + 1)$$

Sequence: A131887
Score: 13.9482
Type of gen. func.: ogf

$$- \frac{x^3 + x^2 - 5 x - 3}{x^4 - 4 x^2 + 1}$$

Sequence: A131887
Score: 8.80224
Type of gen. func.: ogf

$$(26 f(x) + 47) (f(x) x^4 - 4 f(x) x^2 + x^3 + x^2 + f(x) - 5 x - 3)$$

Sequence: A131895
Score: 13.3177
Type of gen. func.: ogf

$$\frac{2x^2 - 6x - 1}{(x-1)^3}$$

Sequence: A131895
Score: 22.7709
Type of gen. func.: lgdogf

$$-\frac{2x^2 - 8x - 9}{(x-1)(2x^2 - 6x - 1)}$$

Sequence: A131895
Score: 6.82673
Type of gen. func.: ogf

$$(10425 f(x) - 65233)(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 2 x^2 - f(x) + 6 x + 1)$$

Sequence: A131895
Score: 7.18922
Type of gen. func.: ogf

$$\{a(n+3) - 3 a(n+2) + 3 a(n+1) - a(n), a(0) = 1, a(1) = 9, a(2) = 22\}$$

Sequence: A131898
Score: 13.5852
Type of gen. func.: ogf

$$\frac{4x^2 - x - 1}{(2x-1)(x-1)^2}$$

Sequence: A131898

Score: 7.08286
Type of gen. func.: ogf

$$-(7 f(x) + 129) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x - 4 x^2 - f(x) + x + 1)$$

Sequence: A131898
Score: 7.33358
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 5, a(2) = 11\}$$

Sequence: A131912
Score: 13.3359
Type of gen. func.: ogf

$$\frac{4 x^2 + 6 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A131912
Score: 16.6137
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 16 x^2 + 17 x + 7}{(x - 1) (x + 1) (4 x^2 + 6 x + 1)}$$

Sequence: A131912
Score: 6.72305
Type of gen. func.: ogf

$$-(3421 f(x) + 4283) (f(x) x^3 - f(x) x^2 - f(x) x - 4 x^2 + f(x) - 6 x - 1)$$

Sequence: A131912
Score: 7.19901
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 7, a(2) = 12\}$$

Sequence: A131913
Score: 11.6854
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{(x^2 + x - 1)^2}$$

Sequence: A131913
Score: 19.3160
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 3 x^2 - 3 x - 3}{(x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A131913
Score: 5.97253
Type of gen. func.: ogf

$$-(25 f(x) - 14) (f(x) x^4 + 2 f(x) x^3 - f(x) x^2 - 2 f(x) x + x^2 + f(x) - x - 1)$$

Sequence: A131921
Score: 9.09443
Type of gen. func.: ogf

$$\frac{4 (x^{50} - x^{49} - x^{48} - x^{24} - x + 2)}{(x - 1) (x^{49} + x^{24} - 1)}$$

Sequence: A131924
Score: 12.6657
Type of gen. func.: lgdogf

$$-\frac{2 (x^4 + 4 x^3 + 2 x^2 - 6 x + 2)}{(x - 1) (2 x - 1) (x^3 + x^2 + x - 1)}$$

Sequence: A131924
Score: 5.00335
Type of gen. func.: ogf

$$-(3 f(x) + 43)$$

$$(2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 + x^3 - 5 f(x) x + x^2 + f(x) + x - 1)$$

Sequence: A131924
Score: 9.22697
Type of gen. func.: ogf

$$-\frac{x^3 + x^2 + x - 1}{(2 x - 1) (x - 1)^3}$$

Sequence: A131926
Score: 12.1271
Type of gen. func.: ogf

$$-7 f(x)^2 x + f(x) x + f(x) - 1$$

Sequence: A131926
Score: 3.34345
Type of gen. func.: ogf

$$\{(n^2 + n) a(n) + (-27 n^2 - 69 n - 42) a(n + 1) + (27 n^2 + 147 n + 198) a(n + 2)$$

$$+ (-n^2 - 7 n - 12) a(n + 3), a(0) = 1, a(1) = 6, a(2) = 78\}$$

Sequence: A131926
Score: 43.9826
Type of gen. func.: revogf

$$\frac{x (-1 + 7 x)}{x - 1}$$

Sequence: A131927
Score: 10.4829
Type of gen. func.: lgdogf

$$-\frac{x - 1 + (x^2 - 34 x + 1)^{1/2}}{2 (x^2 - 34 x + 1)^{1/2} x}$$

Sequence: A131927
Score: 34.9429
Type of gen. func.: revogf

$$\frac{x (9 x - 1)}{x - 1}$$

Sequence: A131927
Score: 9.68444
Type of gen. func.: ogf

$$-9 f(x)^2 + f(x) x + f(x) - x$$

Sequence: A131940
Score: 5.61141
Type of gen. func.: lgdegf]

$$-343 - 6174 x + (-10584 x^2 + 1764 x + 147) f(x)$$
$$+ (-4536 x^3 + 2268 x^2 - 126 x - 21) f(x)^2 + (432 x^3 - 108 x^2 + 1) f(x)^3$$

Sequence: A131941
Score: 10.9615
Type of gen. func.: ogf

$$\frac{(x^2 + 1) x}{(x + 1) (x - 1)^4}$$

Sequence: A131941
Score: 19.7175
Type of gen. func.: lgdogf

$$-\frac{3x^3+3x^2+7x+3}{(x-1)(x+1)(x^2+1)}$$

Sequence: A131941
Score: 27.4342
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^3+2x+3]$$

Sequence: A131943
Score: 9.35466
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4x^5-3x^4-6x^3-2x^2-6x-3}{x^6-1}$$

Sequence: A131945
Score: 12.7532
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^5+x^4+x^3+x+1}{x^6-1}$$

Sequence: A131946
Score: 9.72655
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4x^5-4x^4-2x^3-8x^2-2x-4}{x^6-1}$$

Sequence: A131949
Score: 10.3959
Type of gen. func.: ogf

$$- \frac{x^3 + 5 x^2 - x - 1}{(2 x - 1) (x - 1)^3}$$

Sequence: A131949
Score: 6.96073
Type of gen. func.: ogf

$$-2 f(x) x^4 + 7 f(x) x^3 - 9 f(x) x^2 - x^3 + 5 f(x) x - 5 x^2 - f(x) + x + 1$$

Sequence: A131951
Score: 3.57633
Type of gen. func.: ogf

$-(f(x) + 1)$

$$(2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 - 3 x^3 - 5 f(x) x + 7 x^2 + f(x) - x - 1)$$

Sequence: A131951
Score: 6.54888
Type of gen. func.: ogf

$$\frac{3 x^3 - 7 x^2 + x + 1}{(2 x - 1) (x - 1)^3}$$

Sequence: A131963
Score: 4.54403
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-2 x^8 - x^7 - x^6 - 2 x^5 - 3 x^4 - x^3 - x - 1}{x^9 + x^8 + x^7 + x^6 + 2 x^5 + 2 x^4 + x^3 + x^2 + x + 1}$$

Sequence: A131969
Score: 14.1371
Type of gen. func.: ogf

$$\frac{6 x^2 - 2 x + 3}{(x + 1) (x^2 - x + 1)}$$

Sequence: A131969
Score: 14.8281
Type of gen. func.: lgdogf

$$- \frac{6 x^4 - 4 x^3 + 9 x^2 - 12 x + 2}{(x + 1) (x^2 - x + 1) (6 x^2 - 2 x + 3)}$$

Sequence: A131969
Score: 8.99632
Type of gen. func.: ogf

$$(2 f(x) - 471) (f(x) x^3 - 6 x^2 + f(x) + 2 x - 3)$$

Sequence: A131969
Score: 9.11470
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n), a(0) = 3, a(1) = -2, a(2) = 6\}$$

Sequence: A131970
Score: 4.11563
Type of gen. func.: ogf

$$(6061 f(x) + 1381) (100 f(x) x^2 - 101 f(x) x + f(x) - 21 x - 1)$$

Sequence: A131970
Score: 4.48978
Type of gen. func.: ogf

$$\{-a(n + 2) + 101 a(n + 1) - 100 a(n), a(0) = 1, a(1) = 122\}$$

Sequence: A131970
Score: 7.40694
Type of gen. func.: revogf

$$- \frac{-1 - 101 x + (9801 x^2 + 286 x + 1)^{1/2}}{2 (-21 + 100 x)}$$

Sequence: A131970
Score: 7.86043
Type of gen. func.: lgdogf

$$- \frac{2 (1050 x^2 + 100 x - 61)}{(x - 1) (21 x + 1) (100 x - 1)}$$

Sequence: A131970
Score: 7.90202
Type of gen. func.: ogf

$$\frac{21 x + 1}{(100 x - 1) (x - 1)}$$

Sequence: A131973
Score: 7.18937
Type of gen. func.: ogf

$$- \frac{121 (8 x^7 + 7 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1)}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A131974
Score: 7.06371
Type of gen. func.: ogf

$$2 x^7 + 3 x^6 + 4 x^5 + 5 x^4 - 4 x^3 - 3 x^2 - 2 x - 1$$

$$\frac{}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A131981
Score: 9.63222
Type of gen. func.: ogf

$$x^{11} (x^{10} - x^9 - 1) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3)$$

Sequence: A131986
Score: 6.56165
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-3 x^7 - 3 x^6 - 3 x^5 - 3 x^4 - 3 x^3 - 3 x^2 - 3 x - 3}{x^9 - 1}$$

Sequence: A131999
Score: 7.95866
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-4 x^7 - 2 x^6 - 3 x^5 - 2 x^4 - 6 x^3 - 2 x^2 - 3 x - 2}{x^8 - 1}$$

Sequence: A132000
Score: 10.0228
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-6 x^5 - x^4 - 5 x^3 - 6 x^2 - 5 x - 1}{x^6 - 1}$$

Sequence: A132016
Score: 12.4328

Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{31}+x^{30}-2x^{5}+2}{-x^{31}+x^{5}-1}$$

Sequence: A132030
Score: 4.13371
Type of gen. func.: ogf

$$(5x^{17}-x^{16}-x^{15}-x^{14}-x^{13}-x^{12}-11x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}-x^{5}-x^{4}-x^{3}-x^{2}-x-1) \Big/ \left((x+1)^{2}(x^{2}+x+1)^{2}(x^{2}-x+1)^{2}(x-1)^{3}\right)$$

Sequence: A132041
Score: 9.44059
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^{8}+4x^{7}+2x^{6}+4x^{5}+4x^{3}+2x^{2}+4x+2}{-x^{10}+1}$$

Sequence: A132045
Score: 12.9493
Type of gen. func.: ogf

$$-\frac{2x^{3}-2x+1}{(2x-1)(x-1)^{2}}$$

Sequence: A132045
Score: 15.2117
Type of gen. func.: lgdogf

$$-\frac{2(5x^{3}-7x^{2}+4x-1)}{(x-1)(2x-1)(2x^{3}-2x+1)}$$

Sequence: A132045
Score: 5.98413
Type of gen. func.: ogf

$\{a(n + 4) - 4 a(n + 3) + 5 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 6\}$

Sequence: A132045
Score: 7.05272
Type of gen. func.: ogf

$(11 f(x) - 8) (2 f(x) x^3 - 5 f(x) x^2 + 2 x^3 + 4 f(x) x - f(x) - 2 x + 1)$

Sequence: A132051
Score: 2.85287
Type of gen. func.: ogf

$\{(-4 n^3 - 90 n^2 - 674 n - 1680) a(n + 1) + (4 n^2 + 53 n + 153) a(n + 2) + (-n - 3) a(n + 3), a(0) = 1, a(1) = 63, a(2) = 2730\}$

Sequence: A132052
Score: 2.92412
Type of gen. func.: ogf

$\{(-4 n^3 - 102 n^2 - 866 n - 2448) a(n + 1) + (4 n^2 + 59 n + 186) a(n + 2) + (-n - 3) a(n + 3), a(0) = 1, a(1) = 84, a(2) = 4662\}$

Sequence: A132054
Score: 2.66670
Type of gen. func.: ogf

$\{(-4 n^3 - 126 n^2 - 1322 n - 4620) a(n + 1) + (4 n^2 + 71 n + 261) a(n + 2) + (-n - 3) a(n + 3), a(0) = 1, a(1) = 135, a(2) = 11385\}$

Sequence: A132058
Score: 7.71996
Type of gen. func.: revogf

$$\frac{x (42799 x^6 + 37449 x^5 + 14043 x^4 + 2925 x^3 + 365 x^2 + 27 x + 1)}{(1 + 8 x)^7}$$

Sequence: A132059
Score: 8.08117
Type of gen. func.: revogf

$$\frac{x (5713 x^6 + 6665 x^5 + 3333 x^4 + 925 x^3 + 155 x^2 + 15 x + 1)}{(1 + 6 x)^7}$$

Sequence: A132060
Score: 6.53543
Type of gen. func.: lgdegf]

$(-49 n - 105) a(n + 1) + (14 n + 36) a(n + 2) + (-n - 3) a(n + 3), a(0) = 9,$

$a(1) = 64, a(2) = 452$

Sequence: A132061
Score: 6.24657
Type of gen. func.: lgdegf]

$(-49 n - 105) a(n + 1) + (14 n + 36) a(n + 2) + (-n - 3) a(n + 3), a(0) = 7,$

$a(1) = 48, a(2) = 332$

Sequence: A132063
Score: 7.29649
Type of gen. func.: lgdegf]

$(-16 n - 28) a(n + 1) + (8 n + 19) a(n + 2) + (-n - 3) a(n + 3), a(0) = 2,$

$a(1) = 9, a(2) = 75/2$

Sequence: A132069

Score: 8.72860
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4x^9+x^8+3x^7+x^6+3x^5+4x^4+3x^3+x^2+3x+1}{-x^{10}+1}$$

Sequence: A132072
Score: 3.52632
Type of gen. func.: ogf

$$-(12 f(x) + 37)$$

$$(2 f(x) x^4 - 7 f(x) x^3 - 2 x^4 + 9 f(x) x^2 + 4 x^3 - 5 f(x) x + f(x) + x - 1)$$

Sequence: A132072
Score: 6.54888
Type of gen. func.: ogf

$$\frac{2x^4-4x^3-x+1}{(2x-1)(x-1)^3}$$

Sequence: A132074
Score: 10.8238
Type of gen. func.: ogf

$$\frac{2x^3+2x^2-1}{(2x-1)(x-1)^2}$$

Sequence: A132074
Score: 13.5232
Type of gen. func.: lgdogf

$$-\frac{2(7x^3-x^2-5x+2)}{(x-1)(2x-1)(2x^3+2x^2-1)}$$

Sequence: A132074
Score: 5.28981
Type of gen. func.: ogf

$$\{a(n+4) - 4 a(n+3) + 5 a(n+2) - 2 a(n+1), a(0) = 1, a(1) = 4, a(2) = 9, a(3) = 16\}$$

Sequence: A132074
Score: 5.91214
Type of gen. func.: ogf

$$(21 f(x) - 2350) (2 f(x) x^3 - 5 f(x) x^2 - 2 x^3 + 4 f(x) x - 2 x^2 - f(x) + 1)$$

Sequence: A132079
Score: 11.8398
Type of gen. func.: ogf

$$-\frac{2 (4 x - 1)}{(5 x - 1) (x - 1)}$$

Sequence: A132079
Score: 13.3490
Type of gen. func.: lgdogf

$$-\frac{25 x^2 - 20 x + 7}{(x - 1) (5 x - 2) (5 x - 1)}$$

Sequence: A132079
Score: 13.3490
Type of gen. func.: revogf

$$-\frac{-2 - 3 x + (4 x^2 + 2 x + 4)^{1/2}}{5 (x + 2)}$$

Sequence: A132079
Score: 5.85485
Type of gen. func.: ogf

$$-(29 f(x) - 26) (5 f(x) x^2 - 6 f(x) x + f(x) + 8 x - 2)$$

Sequence: A132079
Score: 6.49745
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 5 a(n), a(0) = 2, a(1) = 4\}$$

Sequence: A132086
Score: 10.5659
Type of gen. func.: ogf

$$-(f(x) + 1) (f(x) x^2 - 2 f(x) x + f(x) - 1)$$

Sequence: A132086
Score: 10.9525
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A132086
Score: 110.124
Type of gen. func.: lgdogf

$$- \frac{2}{x - 1}$$

Sequence: A132086
Score: 27.2152
Type of gen. func.: ogf

$$\frac{1}{(x - 1)^2}$$

Sequence: A132086

Score: 38.3041
Type of gen. func.: revogf

$$\frac{4 x}{(1 + (4 x + 1)^{1/2})^{2}}$$

Sequence: A132109
Score: 13.2631
Type of gen. func.: lgdogf

$$- \frac{2 x^{4} + 8 x^{2} - 10 x + 3}{(x - 1) (2 x - 1) (x^{3} - x^{2} + 2 x - 1)}$$

Sequence: A132109
Score: 4.95454
Type of gen. func.: ogf

$$-(5 f(x) + 21)$$

$$(2 f(x) x^{4} - 7 f(x) x^{3} + 9 f(x) x^{2} + x^{3} - 5 f(x) x - x^{2} + f(x) + 2 x - 1)$$

Sequence: A132109
Score: 9.13695
Type of gen. func.: ogf

$$- \frac{x^{3} - x^{2} + 2 x - 1}{(2 x - 1) (x - 1)^{3}}$$

Sequence: A132112
Score: 12.0314
Type of gen. func.: ogf

$$\frac{x (7 x + 4)}{(x - 1)^{4}}$$

Sequence: A132112
Score: 32.1240
Type of gen. func.: lgdogf

$$-\frac{23 + 21 x}{(7 x + 4) (x - 1)}$$

Sequence: A132112
Score: 5.14502
Type of gen. func.: ogf

$$\{(8 + 4 n) a(n + 3) + (-20 + 3 n) a(n + 2) + (-21 - 7 n) a(n + 1), a(0) = 0, a(1) = 4, a(2) = 23\}$$

Sequence: A132112
Score: 5.6262
Type of gen. func.: ogf

$$(12866777 f(x) + 56872061) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 7 x^2 + f(x) - 4 x)$$

Sequence: A132117
Score: 10.4806
Type of gen. func.: ogf

$$-\frac{(x + 1) (2 x + 1)}{(x - 1)^5}$$

Sequence: A132117
Score: 21.9814
Type of gen. func.: lgdogf

$$-\frac{2 (x + 2) (3 x + 2)}{(x - 1) (2 x + 1) (x + 1)}$$

Sequence: A132117
Score: 4.16063
Type of gen. func.: ogf

$$\{(-n-4)\,a(n+4)+(2-2n)\,a(n+3)+(18+n)\,a(n+2)$$

$$+(8+2n)\,a(n+1),\ a(0)=1,\ a(1)=8,\ a(2)=32,\ a(3)=90\}$$

Sequence: A132122
Score: 13.6659
Type of gen. func.: lgdogf

$$-\frac{3x^3+47x^2+97x+33}{(x-1)(x^3+11x^2+15x+3)}$$

Sequence: A132122
Score: 3.46903
Type of gen. func.: ogf

$$\{(-227n^2-1363n-2046)\,a(n+1)+(394n^2+1892n+5106)\,a(n+2)$$

$$+(-167n^2-829n-990)\,a(n+3),\ a(0)=0,\ a(1)=3,\ a(2)=33\}$$

Sequence: A132122
Score: 6.66598
Type of gen. func.: ogf

$$\frac{x(x^3+11x^2+15x+3)}{(x-1)^6}$$

Sequence: A132123
Score: 13.9309
Type of gen. func.: lgdogf

$$-\frac{2(x^3+45x^2+139x+55)}{(x-1)(x^3+29x^2+55x+11)}$$

Sequence: A132123
Score: 3.60437

Type of gen. func.: ogf

$$\{(-262 n^2 - 1203 n - 1358) a(n + 1) + (752 n^2 + 4184 n + 9422) a(n + 2) + (-490 n^2 - 2069 n - 2178) a(n + 3), a(0) = 0, a(1) = 11, a(2) = 110\}$$

Sequence: A132123
Score: 7.66887
Type of gen. func.: ogf

$$-\frac{x (x^3 + 29 x^2 + 55 x + 11)}{(x - 1)^5}$$

Sequence: A132124
Score: 11.7477
Type of gen. func.: ogf

$$\frac{x (5 x + 3)}{(x - 1)^4}$$

Sequence: A132124
Score: 31.3555
Type of gen. func.: lgdogf

$$-\frac{17 + 15 x}{(5 x + 3) (x - 1)}$$

Sequence: A132124
Score: 5.02367
Type of gen. func.: ogf

$$\{(6 + 3 n) a(n + 3) + (-15 + 2 n) a(n + 2) + (-15 - 5 n) a(n + 1), a(0) = 0, a(1) = 3, a(2) = 17\}$$

Sequence: A132124
Score: 5.53332
Type of gen. func.: ogf

$(7706624 f(x) + 24831067)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 5 x^2 + f(x) - 3 x)$$

Sequence: A132126
Score: 11.4744
Type of gen. func.: ogf

$$\frac{x (2 x^{29} - 2 x^{28} + x^{11} - x^{10} + x^5 - x^4 - 1)}{x - 1}$$

Sequence: A132126
Score: 8.66116
Type of gen. func.: lgdogf

$$(56 x^{29} - 112 x^{28} + 56 x^{27} + 10 x^{11} - 20 x^{10} + 10 x^9 + 4 x^5 - 8 x^4 + 4 x^3 + 1) \Big/ ((x - 1) (2 x^{29} - 2 x^{28} + x^{11} - x^{10} + x^5 - x^4 - 1))$$

Sequence: A132127
Score: 6.17223
Type of gen. func.: ogf

$(138 f(x) - 11)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x + x^2 + f(x) - 2 x - 1)$$

Sequence: A132145
Score: 13.8245
Type of gen. func.: ogf

$$- \frac{x^{34} - x^{33} + x - 2}{(x - 1)^2}$$

Sequence: A132151

Score: 20.1859
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 - x^4$$

Sequence: A132151
Score: 9.79747
Type of gen. func.: lgdogf

$$-\frac{x^4 (3 x^6 + 6 x^5 + 9 x^4 + 12 x^3 + 15 x^2 + 10 x + 5)}{(x + 1) (x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 + 1)}$$

Sequence: A132152
Score: 7.05272
Type of gen. func.: ogf

$$-\frac{x^3 (2 x + 1) (4 x^2 + 1) (2 x^2 + 2 x + 1)}{16 x^8 + 10 x^4 - 1}$$

Sequence: A132162
Score: 6.60426
Type of gen. func.: ogf

$$- (54 x^{28} - 36 x^{27} - 18 x^{26} + 18 x^{10} - 12 x^9 - 6 x^8 + 6 x^4 - 4 x^3 - x^2 - 2 x - 1) / ((x + 1) (x - 1)^2)$$

Sequence: A132164
Score: 10.0212
Type of gen. func.: lgdegf]

$$-\frac{7 x^6 - 42 x^5 + 105 x^4 - 140 x^3 + 105 x^2 - 42 x + 8}{(x - 1)^7}$$

Sequence: A132165
Score: 12.3776
Type of gen. func.: lgdegf]

$$-\frac{7x^6 - 42x^5 + 105x^4 - 140x^3 + 105x^2 - 42x + 6}{(x-1)^7}$$

Sequence: A132167
Score: 10.6968
Type of gen. func.: revogf

$$-\frac{-(37x+1)^{(1/6)} + (x+1)^{(1/6)}}{6\,(37x+1)^{1/6}}$$

Sequence: A132167
Score: 3.88027
Type of gen. func.: ogf

$$-\frac{(3x-1)(12x^2-6x+1)(36x^2-6x+1)}{47952x^6 - 47952x^5 + 19980x^4 - 4440x^3 + 555x^2 - 37x + 1}$$

Sequence: A132168
Score: 10.7624
Type of gen. func.: revogf

$$\frac{(1+35x)^{(1/6)} + (x-1)^{(1/6)}\,(-1)^{(5/6)}}{6\,(1+35x)^{1/6}}$$

Sequence: A132168
Score: 4.45933
Type of gen. func.: ogf

$$-\frac{(3x-1)(12x^2-6x+1)(36x^2-6x+1)}{45360x^6 - 45360x^5 + 18900x^4 - 4200x^3 + 525x^2 - 35x + 1}$$

Sequence: A132171
Score: 6.70929
Type of gen. func.: ogf

$$-\frac{18 x^{37} + 9 x^{36} - 54 x^{22} - 36 x^{13} - 6 x^{10} - 3 x^{9} - 6 x^{4} - 2 x - 1}{(x - 1) (9 x^{36} - 3 x^{9} - 1)}$$

Sequence: A132174
Score: 6.81371
Type of gen. func.: ogf

$$-\frac{5 x^{7} - x^{6} + x^{5} + x^{4} + x^{3} - 3 x^{2} + 2 x + 1}{(2 x - 1) (x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A132176
Score: 3.55738
Type of gen. func.: ogf

$$-\frac{x^{7} - 2 x^{2} - 1}{(2 x - 1) (x - 1) (x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A132179
Score: 10.0260
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{3} + x^{2} - x + 1}{-x^{5} - x^{4} - x^{3} - x^{2} - x - 1}$$

Sequence: A132180
Score: 12.6388
Type of gen. func.: ogf_with_Euler_transform]

4   3   2

$$-\frac{x + 2 x - 2 x + 2 x + 1}{x^6 - 1}$$

Sequence: A132208
Score: 11.5330
Type of gen. func.: lgdogf

$$-\frac{11 x^2 + 38 x + 41}{(x - 1) (11 x^2 + 8 x + 11)}$$

Sequence: A132208
Score: 4.02363
Type of gen. func.: ogf

$$(139 f(x) - 1292) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 11 x^2 - f(x) + 8 x + 11)$$

Sequence: A132208
Score: 4.09301
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 11, a(1) = 41, a(2) = 101\}$$

Sequence: A132208
Score: 7.53633
Type of gen. func.: ogf

$$-\frac{11 x^2 + 8 x + 11}{(x - 1)^3}$$

Sequence: A132209
Score: 12.5665
Type of gen. func.: ogf

$$\frac{x (x + 1) (x - 3)}{(x - 1)^3}$$

Sequence: A132209
Score: 19.3666
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x - 11}{(x - 1) (x - 3) (x + 1)}$$

Sequence: A132209
Score: 6.14153
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 0, a(1) = 3, a(2) = 11,

a(3) = 23}

Sequence: A132209
Score: 7.04158
Type of gen. func.: ogf

$$(3 f(x) - 13) (f(x) x^3 - 3 f(x) x^2 - x^3 + 3 f(x) x + 2 x^2 - f(x) + 3 x)$$

Sequence: A132212
Score: 9.70483
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^6 - x^5 - 2 x^4 - x^3 - 2 x^2 - x - 1}{-x^8 + 1}$$

Sequence: A132217
Score: 12.0195
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^6 - x^3 - 1}{-x^8 + x^6 - x^2 + 1}$$

Sequence: A132222
Score: 7.95774
Type of gen. func.: ogf

$$\frac{2x^8+x^7+4x^6+2x^5+4x^4+2x^3+4x^2+2x+1}{(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A132262
Score: 7.68321
Type of gen. func.: ogf

$$f(x)^2x^2-7f(x)^2x+f(x)^2+f(x)x+f(x)-2$$

Sequence: A132270
Score: 11.1463
Type of gen. func.: lgdogf

$$-\frac{8x^6+x^5+x^4+x^3+x^2+x+1}{(x-1)(x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A132270
Score: 16.2666
Type of gen. func.: ogf

$$\frac{x^7}{(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A132271
Score: 5.81674
Type of gen. func.: ogf

$$-\frac{10x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1}{(x+1)^2(x^4+x^3+x^2+x+1)^2(x^4-x^3+x^2-x+1)^2(x-1)^3}$$

Sequence: A132272
Score: 10.8144
Type of gen. func.: lgdogf

$$-\frac{11 x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}{(x^4 - x^3 + x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1) (x + 1)}$$

Sequence: A132272
Score: 22.8117
Type of gen. func.: ogf

$$\frac{1}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A132272
Score: 46.6077
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + 1$$

Sequence: A132292
Score: 11.0703
Type of gen. func.: lgdogf

$$-\frac{9 x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A132292
Score: 16.0454
Type of gen. func.: ogf

$$\frac{x^8}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A132301
Score: 11.3207
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3x^4-2x^3-2x^2-2x-3}{x^6-1}$$

Sequence: A132308
Score: 10.9493
Type of gen. func.: ogf

$$-\frac{2x^2-x+1}{(3x-1)(x-1)^2}$$

Sequence: A132308
Score: 15.2297
Type of gen. func.: lgdogf

$$-\frac{2(3x^3+3x-2)}{(x-1)(3x-1)(2x^2-x+1)}$$

Sequence: A132308
Score: 5.75784
Type of gen. func.: ogf

$$(2884 f(x) - 359) (3 f(x) x^3 - 7 f(x) x^2 + 5 f(x) x + 2 x^2 - f(x) - x + 1)$$

Sequence: A132308
Score: 5.91071
Type of gen. func.: ogf

$$\{a(n+3) - 5 a(n+2) + 7 a(n+1) - 3 a(n), a(0) = 1, a(1) = 4, a(2) = 15\}$$

Sequence: A132310
Score: 23.4234
Type of gen. func.: lgdogf

$$-\frac{-5 + 18 x}{(4 x - 1) (3 x - 1)}$$

Sequence: A132310
Score: 4.18925
Type of gen. func.: ogf

$\{(-n - 3) a(n + 3) + (19 + 7 n) a(n + 2) + (-30 - 12 n) a(n + 1), a(0) = 1,$

$a(1) = 5, a(2) = 21\}$

Sequence: A132310
Score: 7.6803
Type of gen. func.: ogf

$$-36 f(x)^2 x^3 + 33 f(x)^2 x^2 - 10 f(x)^2 x + f(x)^2 - 1$$

Sequence: A132314
Score: 10.1744
Type of gen. func.: ogf

$$\frac{2 x (2 x^2 + 2 x + 1)}{(2 x^2 - 1)^2}$$

Sequence: A132314
Score: 13.2622
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^3 + 6 x^2 + 6 x + 1)}{(2 x^2 - 1) (2 x^2 + 2 x + 1)}$$

Sequence: A132314
Score: 5.39686

Type of gen. func.: ogf

$$\{(2 n + 6) a(n + 1) + (-n - 1) a(n + 3), a(0) = 0, a(1) = 2, a(2) = 4\}$$

Sequence: A132314
Score: 8.29085
Type of gen. func.: ogf

$$-(2 f(x) - 1) (4 f(x) x^4 - 4 f(x) x^2 - 4 x^3 - 4 x^2 + f(x) - 2 x)$$

Sequence: A132315
Score: 10.5026
Type of gen. func.: lgdogf

$$\frac{208 x^{16} - 640 x^{15} + 656 x^{14} - 224 x^{13} - 2 x + 5}{(x - 1) (16 x^{16} - 32 x^{15} + 16 x^{14} + x - 2)}$$

Sequence: A132315
Score: 9.67443
Type of gen. func.: ogf

$$\frac{x (16 x^{16} - 32 x^{15} + 16 x^{14} + x - 2)}{(x - 1)^3}$$

Sequence: A132322
Score: 16.1666
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{24} - x^{22} - 1}{x^2 - 1}$$

Sequence: A132337
Score: 14.7662
Type of gen. func.: ogf

$$\frac{x (x - 2)}{(x - 1)^3}$$

Sequence: A132337
Score: 39.5099
Type of gen. func.: lgdogf

$$- \frac{-5 + 2 x}{(x - 1) (x - 2)}$$

Sequence: A132337
Score: 7.44846
Type of gen. func.: ogf

$$-(23 f(x) - 63) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 2 x)$$

Sequence: A132337
Score: 7.58266
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 2, a(2) = 5\}$$

Sequence: A132341
Score: 4.47690
Type of gen. func.: ogf

$$\{(-128 n^3 + 64 n^2 + 8 n - 4) a(n) + (2 n^3 + 5 n^2 + 4 n + 1) a(n + 1), a(0) = 1, a(1) = 2\}$$

Sequence: A132342
Score: 5.84026
Type of gen. func.: ogf

$$(x - 1) (2 x^{14} + 2 x^{13} + 2 x^{12} - 2 x^{10} - 6 x^9 - 10 x^8 - 14 x^7 - 16 x^6 - 16 x^5 - 14 x^4 - 10 x^3 - 6 x^2 - 3 x - 1) / (x^4 + x^3 + x^2 + x + 1)$$

Sequence: A132343
Score: 4.97242
Type of gen. func.: ogf

$$\frac{2x^9 - 11x^8 + 15x^7 + x^6 - 16x^5 + 13x^4 + x^3 - 8x^2 + 5x - 1}{(x - 1)(x^4 - 5x^3 + 6x^2 - 4x + 1)}$$

Sequence: A132344
Score: 13.6804
Type of gen. func.: lgdogf

$$-\frac{4(2x^3 + 6x^2 + 3x + 1)}{(2x^2 - 1)(2x^2 + 4x + 1)}$$

Sequence: A132344
Score: 14.7056
Type of gen. func.: ogf

$$\frac{x(2x^2 + 4x + 1)}{(2x^2 - 1)^2}$$

Sequence: A132344
Score: 7.80036
Type of gen. func.: ogf

{(2 n + 6) a(n + 1) + (-n - 1) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 4}

Sequence: A132344
Score: 9.24784
Type of gen. func.: ogf

$$(8 f(x) + 5)(4 f(x) x^4 - 4 f(x) x^2 - 2x^3 - 4x^2 + f(x) - x)$$

Sequence: A132353
Score: 10.3618
Type of gen. func.: ogf

$$-\frac{3x^3 - x + 1}{(3x-1)(x+1)(x^2-x+1)}$$

Sequence: A132353
Score: 5.40231
Type of gen. func.: ogf

$$-(47 f(x) + 21)(3 f(x) x^4 - f(x) x^3 + 3 x^3 + 3 f(x) x - f(x) - x + 1)$$

Sequence: A132353
Score: 9.52368
Type of gen. func.: lgdogf

$$-\frac{9x^6 - 9x^4 - 4x^3 + 6x^2 + 2}{(3x-1)(x+1)(x^2-x+1)(3x^3-x+1)}$$

Sequence: A132354
Score: 10.2340
Type of gen. func.: ogf

$$-\frac{x(5x^2 + 4x + 5)}{(x+1)^2 (x-1)^3}$$

Sequence: A132354
Score: 16.6792
Type of gen. func.: lgdogf

$$-\frac{3(5x^3 + 7x^2 + 13x + 3)}{(x-1)(x+1)(5x^2 + 4x + 5)}$$

Sequence: A132355
Score: 15.7086
Type of gen. func.: lgdogf

$$-\frac{21 x^{3} + 23 x^{2} + 53 x + 11}{(x - 1) (x + 1) (7 x^{2} + 4 x + 7)}$$

Sequence: A132355
Score: 9.83927
Type of gen. func.: ogf

$$-\frac{x (7 x^{2} + 4 x + 7)}{(x + 1)^{2} (x - 1)^{3}}$$

Sequence: A132356
Score: 10.1798
Type of gen. func.: ogf

$$-\frac{4 x (2 x^{2} + x + 2)}{(x + 1)^{2} (x - 1)^{3}}$$

Sequence: A132356
Score: 17.6729
Type of gen. func.: lgdogf

$$-\frac{3 (2 x^{3} + 2 x^{2} + 5 x + 1)}{(x - 1) (x + 1) (2 x^{2} + x + 2)}$$

Sequence: A132357
Score: 5.2168
Type of gen. func.: ogf

$$(2372 f(x) + 507) (3 f(x) x^{4} - f(x) x^{3} + 3 f(x) x + 2 x^{2} - f(x) + x + 1)$$

Sequence: A132357
Score: 9.92048
Type of gen. func.: ogf

$$-\frac{2x^2+x+1}{(3x-1)(x+1)(x^2-x+1)}$$

Sequence: A132364
Score: 6.70033
Type of gen. func.: ogf

$$f(x)^2 x^3 - f(x)^2 x + f(x)^2 + f(x) x - 2 f(x) + 1$$

Sequence: A132364
Score: 7.89267
Type of gen. func.: lgdogf

$$\frac{-1 + 4x - 12x^3 + 3x^2 + (-(4x-1)(x^2-6x+1)^2)^{1/2}}{2(4x-1)(x^3-x+1)}$$

Sequence: A132366
Score: 19.3007
Type of gen. func.: lgdogf

$$-\frac{2(x^3+3x^2+3x+3)}{(x-1)(x+1)(x^2+1)}$$

Sequence: A132366
Score: 3.93162
Type of gen. func.: ogf

$$\{(n^2 + 10n + 21) a(n+1) + (-2n^2 - 12n + 2) a(n+2)$$

$$+ (n^2 + 2n - 3) a(n+3), a(0) = 1, a(1) = 6, a(2) = 21, a(3) = 56,$$

```
    a(4) = 125}
```

```
Sequence:  A132366
Score: 32.0108
Type of gen. func.: ogf_with_Euler_transform]

                                        3
                                     [-x  + 6]
```

```
Sequence:  A132366
Score: 9.26417
Type of gen. func.: ogf

                                              2
                                   (x + 1) (x  + 1)
                                 - ----------------
                                               5
                                       (x - 1)
```

```
Sequence:  A132367
Score: 11.8194
Type of gen. func.: ogf

                                         3      2
                 -(31 f(x) - 91) (f(x) x  - 2 x  + f(x) - x - 1)
```

```
Sequence:  A132367
Score: 12.5970
Type of gen. func.: ogf

                 {-a(n + 3) - a(n), a(0) = 1, a(1) = 1, a(2) = 2}
```

```
Sequence:  A132367
Score: 19.5381
Type of gen. func.: ogf

                                      2
                                   2 x  + x + 1
                                --------------------
                                         2
                                (x + 1) (x  - x + 1)
```

Sequence: A132367
Score: 21.3590
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 2 x^3 + 3 x^2 - 4 x - 1}{(x + 1) (x^2 - x + 1) (2 x^2 + x + 1)}$$

Sequence: A132368
Score: 8.62178
Type of gen. func.: ogf

$$\frac{x (x^7 + 2 x^6 + x^5 - 2 x^4 + 3 x^3 + x^2 + x + 1)}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A132371
Score: 4.32001
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) + (-n^2 - 6 n - 7) a(n + 2) + (n + 1) a(n + 3),$$
$$a(0) = 1, a(1) = 1, a(2) = 3\}$$

Sequence: A132373
Score: 3.70529
Type of gen. func.: ogf

$$\{(168 n + 336) a(n + 1) + (-24 n - 48) a(n + 2) + (-7 n - 35) a(n + 3)$$
$$+ (n + 5) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 7, a(3) = 13\}$$

Sequence: A132373
Score: 35.3737
Type of gen. func.: revogf

$$\frac{x (x + 1)}{7 x^2 + 2 x + 1}$$

Sequence: A132373
Score: 9.8166
Type of gen. func.: ogf

$$7 f(x)^2 x^2 - f(x)^2 x + 2 f(x) x - f(x) + 1$$

Sequence: A132374
Score: 3.24036
Type of gen. func.: ogf

$$\{(-224 n - 448) a(n + 1) + (28 n + 56) a(n + 2) + (8 n + 40) a(n + 3) + (-n - 5) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 8, a(3) = 15\}$$

Sequence: A132374
Score: 30.8725
Type of gen. func.: revogf

$$\frac{x (x + 1)}{8 x^2 + 2 x + 1}$$

Sequence: A132374
Score: 8.58487
Type of gen. func.: ogf

$$8 f(x)^2 x^2 - f(x)^2 x + 2 f(x) x - f(x) + 1$$

Sequence: A132375
Score: 28.8166
Type of gen. func.: revogf

$$\frac{x (x + 1)}{9 x^2 + 2 x + 1}$$

Sequence: A132375
Score: 8.02198
Type of gen. func.: ogf

2 2 2

$$9 f(x) x - f(x) x + 2 f(x) x - f(x) + 1$$

Sequence: A132380
Score: 12.3355
Type of gen. func.: ogf

$$\frac{x^{2} (x + 1)}{x^{4} + 1}$$

Sequence: A132380
Score: 18.2696
Type of gen. func.: ogf_with_Euler_transform]

$$x^{7} - x^{3} - x + 1$$

Sequence: A132380
Score: 28.4528
Type of gen. func.: lgdogf

$$-\frac{3 x^{4} + 4 x^{3} - 1}{(x + 1) (x^{4} + 1)}$$

Sequence: A132380
Score: 7.65115
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^{4} - x^{3} - x^{2} + f(x))$$

Sequence: A132383
Score: 13.1698
Type of gen. func.: lgdogf

$$\frac{4 (240 x^{21} - 252 x^{20} + 12 x^{5} - 15 x^{4} - 1)}{(x - 1) (48 x^{21} + 12 x^{5} + 3 x + 1)}$$

Sequence: A132383
Score: 16.0612
Type of gen. func.: ogf

$$-\frac{48 x^{21} + 12 x^{5} + 3 x + 1}{x - 1}$$

Sequence: A132390
Score: 4.73279
Type of gen. func.: ogf

$$-(2484 f(x) - 151)$$

$$(16 f(x) x^{3} + 16 x^{4} - 4 f(x) x^{2} - 4 x^{3} - 4 f(x) x + 12 x^{2} + f(x) + 6 x - 3)$$

Sequence: A132390
Score: 6.79099
Type of gen. func.: lgdogf

$$\frac{2 (128 x^{6} - 64 x^{5} - 184 x^{4} - 48 x^{3} + 54 x^{2} - 3)}{(2 x + 1) (2 x - 1) (4 x - 1) (16 x^{4} - 4 x^{3} + 12 x^{2} + 6 x - 3)}$$

Sequence: A132390
Score: 8.22320
Type of gen. func.: ogf

$$-\frac{16 x^{4} - 4 x^{3} + 12 x^{2} + 6 x - 3}{(2 x + 1) (2 x - 1) (4 x - 1)}$$

Sequence: A132395
Score: 4.59126
Type of gen. func.: ogf

$$-(397 f(x) + 132) (1584 f(x) x^{2} - 155 f(x) x + f(x) + 132 x - 1)$$

Sequence: A132395
Score: 5.21734
Type of gen. func.: ogf

$$\{a(n + 2) - 155 a(n + 1) + 1584 a(n), a(0) = 1, a(1) = 23\}$$

Sequence: A132395
Score: 8.63204
Type of gen. func.: lgdogf

$$-\frac{209088 x^{2} - 3168 x + 23}{(11 x - 1) (132 x - 1) (144 x - 1)}$$

Sequence: A132395
Score: 8.63204
Type of gen. func.: revogf

$$-\frac{-1 - 155 x + (17689 x^{2} - 218 x + 1)^{1/2}}{264 (1 + 12 x)}$$

Sequence: A132395
Score: 8.82935
Type of gen. func.: ogf

$$-\frac{132 x - 1}{(144 x - 1) (11 x - 1)}$$

Sequence: A132397
Score: 13.7804
Type of gen. func.: ogf

$$\frac{2 (2 x - 1)}{(x + 1) (-1 + 8 x)}$$

Sequence: A132397
Score: 14.1426
Type of gen. func.: revogf

$$\frac{-2 - 7 x + (81 x^{2} + 12 x + 4)^{1/2}}{8 (2 x - 1)}$$

Sequence: A132397
Score: 16.0035
Type of gen. func.: lgdogf

$$- \frac{(4 x + 1) (4 x - 5)}{(-1 + 8 x) (2 x - 1) (x + 1)}$$

Sequence: A132397
Score: 6.81447
Type of gen. func.: ogf

$$-(51 f(x) - 52) (8 f(x) x^{2} + 7 f(x) x - f(x) - 4 x + 2)$$

Sequence: A132397
Score: 7.47128
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) + 8 a(n), a(0) = 2, a(1) = 10\}$$

Sequence: A132400
Score: 10.4471
Type of gen. func.: lgdogf

$$- \frac{x^{6} + 6 x^{5} + 15 x^{4} + 4 x^{3} + 3 x^{2} + 6 x + 5}{(x - 1) (x + 1) (x^{2} + 1) (x^{3} + 3 x^{2} + 5 x + 1)}$$

Sequence: A132400
Score: 14.0604
Type of gen. func.: ogf

$$- \frac{x^{3} + 3 x^{2} + 5 x + 1}{(x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A132400
Score: 9.10731
Type of gen. func.: ogf

$$-(8 f(x) + 17) (f(x) x^4 + x^3 + 3 x^2 - f(x) + 5 x + 1)$$

Sequence: A132401
Score: 10.6282
Type of gen. func.: lgdogf

$$- (6 x^{10} + 16 x^9 + 31 x^8 + 34 x^7 + 30 x^6 + 18 x^5 + 6 x^4 - 6 x^3 - 8 x^2 - 6 x - 1) / ((x + 1) (x^2 + 1) (x^2 + x + 1) (2 x^2 + x + 1) (x^4 + 1))$$

Sequence: A132401
Score: 7.73873
Type of gen. func.: ogf

$$\frac{x^2 (x^2 + x + 1) (2 x^2 + x + 1)}{(x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A132402
Score: 12.0827
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 14 x^2 + 10 x - 3}{(x - 1) (2 x - 1) (2 x^2 - 2 x + 1)}$$

Sequence: A132402
Score: 4.4344
Type of gen. func.: ogf

```
(64 f(x) + 319) (

            4             3             2    3                  2
```

$8 f(x) x - 16 f(x) x + 14 f(x) x + x - 6 f(x) x - 3 x + f(x) + 3 x - 1$

)

Sequence: A132402
Score: 7.97070
Type of gen. func.: ogf

$$-\frac{(x-1)^3}{(2x^2-2x+1)(2x-1)^2}$$

Sequence: A132411
Score: 12.7028
Type of gen. func.: ogf

$$\frac{x(x^3-2x^2-1)}{(x-1)^3}$$

Sequence: A132411
Score: 24.6633
Type of gen. func.: lgdogf

$$-\frac{x^2-4x-3}{(x-1)(x^3-2x^2-1)}$$

Sequence: A132411
Score: 5.73392
Type of gen. func.: ogf

$\{a(n + 5) - 3 a(n + 4) + 3 a(n + 3) - a(n + 2), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 8, a(4) = 15\}$

Sequence: A132411
Score: 6.88069
Type of gen. func.: ogf

$$(284 f(x) - 4461) (f(x) x^3 - x^4 - 3 f(x) x^2 + 2 x^3 + 3 f(x) x - f(x) + x)$$

Sequence: A132418
Score: 2.98318
Type of gen. func.: ogf

$$-\frac{21 x^5 + 10 x^4 + 5 x^3 + 3 x^2 + 2 x + 1}{43 x^6 - 1}$$

Sequence: A132419
Score: 10.9862
Type of gen. func.: ogf

$$-(f(x) - 81) (f(x) x^3 + 2 x^2 + f(x) - x - 1)$$

Sequence: A132419
Score: 11.5645
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n), a(0) = 1, a(1) = 1, a(2) = -2\}$$

Sequence: A132419
Score: 17.9367
Type of gen. func.: ogf

$$-\frac{(2 x + 1) (x - 1)}{(x + 1) (x^2 - x + 1)}$$

Sequence: A132419
Score: 19.2727
Type of gen. func.: lgdogf

$$-\frac{2 x^4 - 2 x^3 - 3 x^2 - 4 x + 1}{(x - 1) (2 x + 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A132429
Score: 15.6946
Type of gen. func.: ogf

$$\frac{3 x^2 + 4 x + 3}{(x + 1) (x^2 + 1)}$$

Sequence: A132429
Score: 22.5023
Type of gen. func.: lgdogf

$$- \frac{3 x^4 + 8 x^3 + 10 x^2 - 1}{(x + 1) (x^2 + 1) (3 x^2 + 4 x + 3)}$$

Sequence: A132429
Score: 8.54794
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) - a(n + 1) - a(n), a(0) = 3, a(1) = 1, a(2) = -1\}$$

Sequence: A132429
Score: 8.62495
Type of gen. func.: ogf

$$(3 f(x) - 8) (f(x) x^3 + f(x) x^2 + f(x) x - 3 x^2 + f(x) - 4 x - 3)$$

Sequence: A132433
Score: 15.6285
Type of gen. func.: ogf

$$- \frac{x - 2}{(-1 + 8 x) (x - 1)}$$

Sequence: A132433
Score: 16.0722

Type of gen. func.: revogf

$$-\frac{-2 - 9 x + (49 x^2 + 32 x + 4)^{1/2}}{2 (1 + 8 x)}$$

Sequence: A132433
Score: 18.6785
Type of gen. func.: lgdogf

$$-\frac{8 x^2 - 32 x + 17}{(x - 1) (x - 2) (-1 + 8 x)}$$

Sequence: A132433
Score: 7.99187
Type of gen. func.: ogf

$$(121 f(x) + 47) (8 f(x) x^2 - 9 f(x) x + f(x) + x - 2)$$

Sequence: A132433
Score: 8.47330
Type of gen. func.: ogf

$$\{-a(n + 2) + 9 a(n + 1) - 8 a(n), a(0) = 2, a(1) = 17\}$$

Sequence: A132434
Score: 12.5705
Type of gen. func.: revogf

$$-\frac{-104 - 9 x + (49 x^2 + 2384 x + 10816)^{1/2}}{16 (-16 + x)}$$

Sequence: A132434
Score: 13.5805
Type of gen. func.: ogf

$$\frac{8 (16 x + 13)}{(-1 + 8 x) (x - 1)}$$

Sequence: A132434
Score: 14.2101
Type of gen. func.: lgdogf

$$-\frac{128 x^2 + 208 x - 133}{(x - 1) (16 x + 13) (-1 + 8 x)}$$

Sequence: A132434
Score: 7.00467
Type of gen. func.: ogf

$$(989 f(x) + 38656) (8 f(x) x^2 - 9 f(x) x + f(x) - 128 x - 104)$$

Sequence: A132434
Score: 7.64877
Type of gen. func.: ogf

$$\{-a(n + 2) + 9 a(n + 1) - 8 a(n), a(0) = 104, a(1) = 1064\}$$

Sequence: A132458
Score: 12.4655
Type of gen. func.: lgdogf

$$-\frac{4 (x^4 + 21 x^3 + 66 x^2 + 46 x + 6)}{(x - 1) (x^4 + 16 x^3 + 36 x^2 + 16 x + 1)}$$

Sequence: A132458
Score: 4.62099
Type of gen. func.: ogf

$$\{(-n^2 - 4 n - 4) a(n + 1) + (2 n^2 + 4 n + 18) a(n + 2) - a(n + 3) n^2, a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$$

Sequence: A132458
Score: 5.83704
Type of gen. func.: ogf

$$\frac{x^3 (x^4 + 16 x^3 + 36 x^2 + 16 x + 1)}{(x - 1)^8}$$

Sequence: A132461
Score: 3.23902
Type of gen. func.: ogf

$$f(x)^2 x^4 - 2 f(x)^2 x^3 + 2 f(x) x^4 - f(x)^2 x^2 - 4 f(x) x^3 - 3 x^4 - 2 f(x)^2 x$$
$$- 2 f(x) x^2 + 2 x^3 + f(x)^2 - 4 f(x) x - 10 x^2 + 2 f(x) + 2 x - 3$$

Sequence: A132462
Score: 14.4921
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^4 - x^3 + x^2 + x}{x^6 - 1}$$

Sequence: A132463
Score: 15.3222
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^3 - x^2 + x - 1}{-x^6 + 1}$$

Sequence: A132464
Score: 3.61490
Type of gen. func.: ogf

$$\frac{x^5 (x^6 + 36 x^5 + 225 x^4 + 400 x^3 + 225 x^2 + 36 x + 1)}{(x - 1)^{12}}$$

Sequence: A132464
Score: 4.18999
Type of gen. func.: ogf

$$\{(-n^3 - 4 n^2 - 4 n) a(n + 1) + (n^3 - 7 n^2 + 15 n - 9) a(n + 2), a(0) = 0,$$
$$a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 1\}$$

Sequence: A132464
Score: 7.63718
Type of gen. func.: lgdogf

$$-\frac{6 (x^6 + 43 x^5 + 330 x^4 + 750 x^3 + 575 x^2 + 141 x + 8)}{(x - 1) (x^6 + 36 x^5 + 225 x^4 + 400 x^3 + 225 x^2 + 36 x + 1)}$$

Sequence: A132465
Score: 3.96050
Type of gen. func.: ogf

$$\{(-2 n^3 - 7 n^2 - 4 n + 4) a(n + 1) + (2 n^3 - 19 n^2 + 56 n - 48) a(n + 2),$$
$$a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 1\}$$

Sequence: A132465
Score: 6.76414
Type of gen. func.: lgdogf

$$-\frac{7 (x^7 + 57 x^6 + 609 x^5 + 2065 x^4 + 2625 x^3 + 1281 x^2 + 217 x + 9)}{(x - 1) (x + 1) (x^6 + 48 x^5 + 393 x^4 + 832 x^3 + 393 x^2 + 48 x + 1)}$$

Sequence: A132465
Score: 7.79977
Type of gen. func.: ogf

$$x^6 (x + 1) (x^6 + 48 x^5 + 393 x^4 + 832 x^3 + 393 x^2 + 48 x + 1)$$

$$(x - 1)$$

Sequence: A132466
Score: 3.88923
Type of gen. func.: ogf

$$\{(-n^3 - 3 n^2 + 4) a(n + 1) + (n^3 - 12 n^2 + 45 n - 50) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 0, a(7) = 1\}$$

Sequence: A132469
Score: 11.2772
Type of gen. func.: ogf

$$-32 f(x) x^2 + 33 f(x) x - f(x) + x$$

Sequence: A132469
Score: 14.8035
Type of gen. func.: revogf

$$- \frac{-1 - 33 x + (961 x^2 + 66 x + 1)^{1/2}}{64 x}$$

Sequence: A132469
Score: 17.1612
Type of gen. func.: ogf

$$\frac{x}{(32 x - 1) (x - 1)}$$

Sequence: A132469
Score: 22.7746
Type of gen. func.: lgdogf

$$- \frac{-33 + 64 x}{(32 x - 1) (x - 1)}$$

Sequence: A132469
Score: 7.23664
Type of gen. func.: ogf

$$\{a(n + 2) - 33 a(n + 1) + 32 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A132477
Score: 10.0469
Type of gen. func.: ogf

$$-(f(x) - 1) (2 f(x) x + 4 x^{2} - f(x) + 2 x + 1)$$

Sequence: A132477
Score: 17.6380
Type of gen. func.: ogf

$$-\frac{4 x^{2} + 2 x + 1}{2 x - 1}$$

Sequence: A132477
Score: 9.33774
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2), a(0) = 1, a(1) = 4, a(2) = 12\}$$

Sequence: A132479
Score: 9.53077
Type of gen. func.: ogf

$$-(22 f(x) + 3) (2 f(x) x + 6 x^{2} - f(x) + 3 x + 1)$$

Sequence: A132583
Score: 12.2553
Type of gen. func.: revogf

$$-\frac{-11 - 11 x + (81 x^{2} + 242 x + 121)^{1/2}}{20 x}$$

Sequence: A132583
Score: 14.9531
Type of gen. func.: ogf

$$\frac{11}{(10 x - 1) (x - 1)}$$

Sequence: A132583
Score: 20.2683
Type of gen. func.: lgdogf

$$- \frac{-11 + 20 x}{(10 x - 1) (x - 1)}$$

Sequence: A132583
Score: 5.8512
Type of gen. func.: ogf

$$(11111 f(x) + 38830) (10 f(x) x^2 - 11 f(x) x + f(x) - 11)$$

Sequence: A132583
Score: 6.18747
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 11, a(1) = 121\}$$

Sequence: A132584
Score: 11.1520
Type of gen. func.: lgdogf

$$- \frac{2 (x^3 - 8 x^2 - 19 x + 10)}{(x - 1) (x + 1) (x^2 - 18 x + 1)}$$

Sequence: A132584
Score: 4.67231
Type of gen. func.: ogf

$$\{a(n+3) - 19 a(n+2) + 19 a(n+1) - a(n), a(0) = 0, a(1) = 4, a(2) = 80\}$$

Sequence: A132584
Score: 6.29408
Type of gen. func.: ogf

$$(5 f(x) + 1) (f(x) x^3 - 19 f(x) x^2 + 19 f(x) x + 4 x^2 - f(x) + 4 x)$$

Sequence: A132584
Score: 9.02785
Type of gen. func.: ogf

$$-\frac{4 x (x + 1)}{(x - 1) (x^2 - 18 x + 1)}$$

Sequence: A132592
Score: 11.4369
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - 16 x^2 - 35 x + 18)}{(x - 1) (x + 1) (x^2 - 34 x + 1)}$$

Sequence: A132592
Score: 4.84601
Type of gen. func.: ogf

$$\{a(n+3) - 35 a(n+2) + 35 a(n+1) - a(n), a(0) = 0, a(1) = 8, a(2) = 288\}$$

Sequence: A132592
Score: 6.70884
Type of gen. func.: ogf

$$(9 f(x) + 2) (f(x) x^3 - 35 f(x) x^2 + 35 f(x) x + 8 x^2 - f(x) + 8 x)$$

Sequence: A132592
Score: 9.44561
Type of gen. func.: ogf

$$-\frac{8 x (x + 1)}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A132593
Score: 11.7835
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - 18 x^2 - 39 x + 20)}{(x - 1) (x + 1) (x^2 - 38 x + 1)}$$

Sequence: A132593
Score: 4.99066
Type of gen. func.: ogf

{a(n + 3) - 39 a(n + 2) + 39 a(n + 1) - a(n), a(0) = 0, a(1) = 9, a(2) = 360}

Sequence: A132593
Score: 5.21751
Type of gen. func.: ogf

$$(40 f(x) + 9) (f(x) x^3 - 39 f(x) x^2 + 39 f(x) x + 9 x^2 - f(x) + 9 x)$$

Sequence: A132593
Score: 9.72756
Type of gen. func.: ogf

$$-\frac{9 x (x + 1)}{(x - 1) (x^2 - 38 x + 1)}$$

Sequence: A132594
Score: 3.58241
Type of gen. func.: ogf

$\{a(n+3) - 255\, a(n+2) + 255\, a(n+1) - a(n),\ a(0) = 0,\ a(1) = 63,$

$a(2) = 16128\}$

Sequence: A132594
Score: 3.70594
Type of gen. func.: ogf

$$(256 f(x) + 63) (f(x) x^3 - 255 f(x) x^2 + 255 f(x) x + 63 x^2 - f(x) + 63 x)$$

Sequence: A132594
Score: 6.82363
Type of gen. func.: ogf

$$- \frac{63 x (x + 1)}{(x - 1) (x^2 - 254 x + 1)}$$

Sequence: A132594
Score: 8.12374
Type of gen. func.: lgdogf

$$- \frac{2 (x^3 - 126 x^2 - 255 x + 128)}{(x - 1) (x + 1) (x^2 - 254 x + 1)}$$

Sequence: A132595
Score: 3.81599
Type of gen. func.: ogf

$$-48 f(x)^2 x^3 + 68 f(x)^2 x^2 + 32 f(x) x^3 - 27 f(x)^2 x - 56 f(x) x^2 - 5 x^3$$

$$+ 2 f(x)^2 + 26 f(x) x + 10 x^2 - 2 f(x) - 5 x$$

Sequence: A132596
Score: 12.1618
Type of gen. func.: lgdogf

3 2

$$-\frac{2 (x - 4 x - 11 x + 6)}{(x - 1) (x + 1) (x^{2} - 10 x + 1)}$$

Sequence: A132596
Score: 4.98489
Type of gen. func.: ogf

$$\{a(n + 3) - 11 a(n + 2) + 11 a(n + 1) - a(n), a(0) = 0, a(1) = 2, a(2) = 24\}$$

Sequence: A132596
Score: 5.21355
Type of gen. func.: ogf

$$(6 f(x) + 1) (f(x) x^{3} - 11 f(x) x^{2} + 11 f(x) x + 2 x^{2} - f(x) + 2 x)$$

Sequence: A132596
Score: 9.63181
Type of gen. func.: ogf

$$-\frac{2 x (x + 1)}{(x - 1) (x^{2} - 10 x + 1)}$$

Sequence: A132607
Score: 3.81019
Type of gen. func.: ogf

$$\{a(n + 3) - 399 a(n + 2) + 399 a(n + 1) - a(n), a(0) = 0, a(1) = 99,$$

$$a(2) = 39600\}$$

Sequence: A132607
Score: 3.94158
Type of gen. func.: ogf

$$(400 f(x) + 99) (f(x) x^{3} - 399 f(x) x^{2} + 399 f(x) x + 99 x^{2} - f(x) + 99 x)$$

Sequence: A132607
Score: 7.25751
Type of gen. func.: ogf

$$-\frac{99 x (x + 1)}{(x - 1) (x^2 - 398 x + 1)}$$

Sequence: A132607
Score: 8.64940
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - 198 x^2 - 399 x + 200)}{(x - 1) (x + 1) (x^2 - 398 x + 1)}$$

Sequence: A132644
Score: 3.55818
Type of gen. func.: ogf

{a(n + 3) - 1299 a(n + 2) + 1299 a(n + 1) - a(n), a(0) = 0, a(1) = 324,

a(2) = 421200}

Sequence: A132644
Score: 6.58528
Type of gen. func.: ogf

$$-\frac{324 x (x + 1)}{(x - 1) (x^2 - 1298 x + 1)}$$

Sequence: A132658
Score: 5.89667
Type of gen. func.: ogf

$$x^2 (x - 1) (2 x + 1) (x + 1) (x^2 + x + 1) (4 x^2 - 2 x + 1) (4 x^2 + 2 x + 1) \Big/ (43 x^6 - 1)$$

Sequence: A132672
Score: 7.93688
Type of gen. func.: lgdogf

$$\frac{960 x^{17} - 1984 x^{16} + 1024 x^{15} + 105 x^{9} - 225 x^{8} + 120 x^{7} - 10 x + 8}{(x - 1) (64 x^{17} - 64 x^{16} + 15 x^{9} - 15 x^{8} + 8 x^{2} - 6 x - 1)}$$

Sequence: A132672
Score: 9.86924
Type of gen. func.: ogf

$$- \frac{64 x^{17} - 64 x^{16} + 15 x^{9} - 15 x^{8} + 8 x^{2} - 6 x - 1}{(x - 1)^{2}}$$

Sequence: A132673
Score: 7.72802
Type of gen. func.: lgdogf

$$\frac{1377 x^{19} - 2835 x^{18} + 1458 x^{17} + 136 x^{10} - 289 x^{9} + 153 x^{8} - 11 x + 9}{(x - 1) (81 x^{19} - 81 x^{18} + 17 x^{10} - 17 x^{9} + 9 x^{2} - 7 x - 1)}$$

Sequence: A132673
Score: 9.76197
Type of gen. func.: ogf

$$- \frac{81 x^{19} - 81 x^{18} + 17 x^{10} - 17 x^{9} + 9 x^{2} - 7 x - 1}{(x - 1)^{2}}$$

Sequence: A132674
Score: 7.33912
Type of gen. func.: lgdogf

$$\frac{1900 x^{21} - 3900 x^{20} + 2000 x^{19} + 171 x^{11} - 361 x^{10} + 190 x^{9} - 12 x + 10}{(x - 1) (100 x^{21} - 100 x^{20} + 19 x^{11} - 19 x^{10} + 10 x^{2} - 8 x - 1)}$$

Sequence: A132674
Score: 9.35032
Type of gen. func.: ogf

$$-\frac{100x^{21}-100x^{20}+19x^{11}-19x^{10}+10x^{2}-8x-1}{(x-1)^{2}}$$

Sequence: A132677
Score: 10.8661
Type of gen. func.: ogf

$$(f(x)-2)\,(f(x)\,x^{2}+f(x)\,x+f(x)-3x-1)$$

Sequence: A132677
Score: 11.2636
Type of gen. func.: ogf

$$\{a(n+2)+a(n+1)+a(n),\ a(0)=1,\ a(1)=2\}$$

Sequence: A132677
Score: 20.5249
Type of gen. func.: ogf

$$\frac{3x+1}{x^{2}+x+1}$$

Sequence: A132677
Score: 27.8126
Type of gen. func.: revogf

$$-\frac{x-1+(-3x^{2}+10x+1)^{1/2}}{2\,(x-3)}$$

Sequence: A132677
Score: 32.0266
Type of gen. func.: lgdogf

$$-\frac{3x^2+2x-2}{(3x+1)(x^2+x+1)}$$

Sequence: A132708
Score: 12.597
Type of gen. func.: ogf

$$(f(x)+68)(f(x)x^3-x^2+f(x)-2x-4)$$

Sequence: A132708
Score: 12.5970
Type of gen. func.: ogf

$$\{a(n+3)+a(n), a(0)=4, a(1)=2, a(2)=1\}$$

Sequence: A132708
Score: 19.5381
Type of gen. func.: ogf

$$\frac{x^2+2x+4}{(x+1)(x^2-x+1)}$$

Sequence: A132708
Score: 21.7545
Type of gen. func.: lgdogf

$$-\frac{x^4+4x^3+12x^2-2x-2}{(x+1)(x^2-x+1)(x^2+2x+4)}$$

Sequence: A132720
Score: 12.2188
Type of gen. func.: ogf

$$(f(x) - 1) (4 f(x) x^3 + 4 x^3 + 4 x^2 - f(x) + 2 x + 1)$$

Sequence: A132720
Score: 3.27736
Type of gen. func.: ogf

$$\{-a(n + 4) + 4 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8\}$$

Sequence: A132720
Score: 5.11720
Type of gen. func.: lgdogf

$$- \frac{2 (8 x^4 + 8 x^3 + 12 x^2 + 4 x + 1)}{(4 x^3 - 1) (4 x^3 + 4 x^2 + 2 x + 1)}$$

Sequence: A132720
Score: 5.51977
Type of gen. func.: ogf

$$- \frac{4 x^3 + 4 x^2 + 2 x + 1}{4 x^3 - 1}$$

Sequence: A132723
Score: 10.7142
Type of gen. func.: ogf

$$\frac{2 x^2 - 2 x + 3}{2 x^2 - 2 x + 1}$$

Sequence: A132723
Score: 16.8717
Type of gen. func.: lgdogf

$$4 (2 x - 1)$$

```
                    - -------------------------------
                           2                2
                      (2 x  - 2 x + 1) (2 x  - 2 x + 3)
```

Sequence: A132723
Score: 5.56718
Type of gen. func.: ogf

```
      {-a(n + 3) + 2 a(n + 2) - 2 a(n + 1), a(0) = 3, a(1) = 4, a(2) = 4}
```

Sequence: A132723
Score: 6.04098
Type of gen. func.: ogf

```
                                2                  2
           (f(x) - 11) (2 f(x) x  - 2 f(x) x - 2 x  + f(x) + 2 x - 3)
```

Sequence: A132730
Score: 4.48973
Type of gen. func.: ogf

```
{-a(n + 4) + 4 a(n + 3) - 5 a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 3,

    a(3) = 8}
```

Sequence: A132730
Score: 5.15343
Type of gen. func.: ogf

```
                             3            2      3
  (159 f(x) - 124) (2 f(x) x  - 5 f(x) x  + 4 x  + 4 f(x) x - f(x) - 2 x + 1)
```

Sequence: A132730
Score: 9.71549
Type of gen. func.: ogf

```
                                      3
                                   4 x  - 2 x + 1
                               - ------------------
                                                 2
                                 (2 x - 1) (x - 1)
```

Sequence: A132732
Score: 12.2375
Type of gen. func.: lgdogf

$$-\frac{2\,(6\,x^{3}-6\,x^{2}+3\,x-1)}{(x-1)\,(2\,x-1)\,(2\,x^{3}+x^{2}-2\,x+1)}$$

Sequence: A132732
Score: 5.16389
Type of gen. func.: ogf

{-a(n + 4) + 4 a(n + 3) - 5 a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 4,

a(3) = 10}

Sequence: A132732
Score: 6.31077
Type of gen. func.: ogf

$$-(1+3\,f(x))\,(2\,f(x)\,x^{3}-5\,f(x)\,x^{2}+2\,x^{3}+4\,f(x)\,x+x^{2}-f(x)-2\,x+1)$$

Sequence: A132732
Score: 9.95359
Type of gen. func.: ogf

$$-\frac{2\,x^{3}+x^{2}-2\,x+1}{(2\,x-1)\,(x-1)^{2}}$$

Sequence: A132734
Score: 6.53818
Type of gen. func.: ogf

$$-(2+5\,f(x))\,(2\,f(x)\,x^{3}-5\,f(x)\,x^{2}+4\,x^{3}+4\,f(x)\,x+2\,x^{2}-f(x)-2\,x+1)$$

Sequence: A132736
Score: 10.1963
Type of gen. func.: ogf

$$\frac{2 x^3 - 2 x^2 + 2 x - 1}{(2 x - 1) (x - 1)^2}$$

Sequence: A132736
Score: 12.5397
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^3 - x^2 - 2 x + 1)}{(x - 1) (2 x - 1) (2 x^3 - 2 x^2 + 2 x - 1)}$$

Sequence: A132736
Score: 5.28981
Type of gen. func.: ogf

$\{a(n + 4) - 4 a(n + 3) + 5 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 10\}$

Sequence: A132736
Score: 5.81442
Type of gen. func.: ogf

$(11 f(x) + 74)$

$(2 f(x) x^3 - 5 f(x) x^2 - 2 x^3 + 4 f(x) x + 2 x^2 - f(x) - 2 x + 1)$

Sequence: A132738
Score: 11.2496
Type of gen. func.: ogf

$$\frac{4 x^3 - 4 x^2 + 2 x - 1}{(2 x - 1) (x - 1)^2}$$

Sequence: A132738
Score: 14.6584
Type of gen. func.: lgdogf

$$-\frac{2\,(6\,x^3-6\,x^2+1)}{(x-1)\,(2\,x-1)\,(4\,x^3-4\,x^2+2\,x-1)}$$

Sequence: A132738
Score: 5.83628
Type of gen. func.: ogf

$\{a(n+4)-4\,a(n+3)+5\,a(n+2)-2\,a(n+1),\ a(0)=1,\ a(1)=2,\ a(2)=7,\ a(3)=16\}$

Sequence: A132738
Score: 6.06426
Type of gen. func.: ogf

$-(111\,f(x)+1096)$

$(2\,f(x)\,x^3-5\,f(x)\,x^2-4\,x^3+4\,f(x)\,x+4\,x^2-f(x)-2\,x+1)$

Sequence: A132750
Score: 4.91170
Type of gen. func.: ogf

$\{a(n+4)-5\,a(n+3)+8\,a(n+2)-4\,a(n+1),\ a(0)=1,\ a(1)=4,\ a(2)=9,\ a(3)=21\}$

Sequence: A132750
Score: 5.26819
Type of gen. func.: ogf

$$-(8\,f(x)+85)\,(4\,f(x)\,x^3-8\,f(x)\,x^2+4\,x^3+5\,f(x)\,x-3\,x^2-f(x)-x+1)$$

Sequence: A132750
Score: 9.46748
Type of gen. func.: ogf

$$4\,x^3-3\,x^2-x+1$$

$$-\frac{}{(x - 1)(2 x - 1)^{2}}$$

Sequence: A132753
Score: 11.2590
Type of gen. func.: ogf

$$-\frac{6 x^{2} - 8 x + 3}{(2 x - 1)(x - 1)^{2}}$$

Sequence: A132753
Score: 12.4641
Type of gen. func.: lgdogf

$$-\frac{2 (3 x - 2)(2 x^{2} - 2 x + 1)}{(x - 1)(2 x - 1)(4 x^{3} - 4 x^{2} + 1)}$$

Sequence: A132753
Score: 6.07785
Type of gen. func.: ogf

$$(47 f(x) - 22)(2 f(x) x^{3} - 5 f(x) x^{2} + 4 f(x) x + 6 x^{2} - f(x) - 8 x + 3)$$

Sequence: A132753
Score: 6.13212
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 3, a(1) = 4, a(2) = 7\}$$

Sequence: A132754
Score: 12.2646
Type of gen. func.: ogf

$$\frac{x (11 x - 12)}{(x - 1)^{3}}$$

Sequence: A132754
Score: 26.3751
Type of gen. func.: lgdogf

$$-\frac{-25 + 22 x}{(x - 1) (11 x - 12)}$$

Sequence: A132754
Score: 6.13232
Type of gen. func.: ogf

$$-(69 f(x) - 38779) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 11 x^2 - f(x) + 12 x)$$

Sequence: A132754
Score: 6.40365
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 12, a(2) = 25\}$$

Sequence: A132755
Score: 12.3295
Type of gen. func.: ogf

$$\frac{x (12 x - 13)}{(x - 1)^3}$$

Sequence: A132755
Score: 26.5169
Type of gen. func.: lgdogf

$$-\frac{3 (-9 + 8 x)}{(x - 1) (12 x - 13)}$$

Sequence: A132755
Score: 6.06202
Type of gen. func.: ogf

$$-(281 f(x) - 201117) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 12 x^2 - f(x) + 13 x)$$

Sequence: A132755
Score: 6.43754
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 13, a(2) = 27\}$$

Sequence: A132756
Score: 12.3295
Type of gen. func.: ogf

$$\frac{x (13 x - 14)}{(x - 1)^3}$$

Sequence: A132756
Score: 26.5169
Type of gen. func.: lgdogf

$$-\frac{-29 + 26 x}{(x - 1) (13 x - 14)}$$

Sequence: A132756
Score: 6.06202
Type of gen. func.: ogf

$$-(647 f(x) - 579195) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 13 x^2 - f(x) + 14 x)$$

Sequence: A132756
Score: 6.43754
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 0, a(1) = 14, a(2) = 29\}$$

Sequence: A132757
Score: 12.4593

Type of gen. func.: ogf

$$\frac{x\,(14\,x-15)}{(x-1)^{3}}$$

Sequence: A132757
Score: 25.8433
Type of gen. func.: lgdogf

$$-\frac{-31+28\,x}{(x-1)\,(14\,x-15)}$$

Sequence: A132757
Score: 6.12583
Type of gen. func.: ogf

$$-(369\,f(x)-406808)\,(f(x)\,x^{3}-3\,f(x)\,x^{2}+3\,f(x)\,x-14\,x^{2}-f(x)+15\,x)$$

Sequence: A132757
Score: 6.50530
Type of gen. func.: ogf

$$\{a(n+3)-3\,a(n+2)+3\,a(n+1)-a(n),\ a(0)=0,\ a(1)=15,\ a(2)=31\}$$

Sequence: A132758
Score: 12.1297
Type of gen. func.: ogf

$$\frac{x\,(15\,x-16)}{(x-1)^{3}}$$

Sequence: A132758
Score: 24.2839
Type of gen. func.: lgdogf

$$-\frac{3\,(-11+10\,x)}{(x-1)\,(15\,x-16)}$$

Sequence: A132758
Score: 5.91448
Type of gen. func.: ogf

$$-(835 f(x) - 1118481) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 15 x^2 - f(x) + 16 x)$$

Sequence: A132758
Score: 6.33320
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 16, a(2) = 33\}$$

Sequence: A132759
Score: 12.1222
Type of gen. func.: ogf

$$\frac{2 x (6 x - 7)}{(x - 1)^3}$$

Sequence: A132759
Score: 28.1544
Type of gen. func.: lgdogf

$$-\frac{3 (4 x - 5)}{(x - 1) (6 x - 7)}$$

Sequence: A132759
Score: 6.06112
Type of gen. func.: ogf

$$-(89 f(x) - 19608) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 12 x^2 - f(x) + 14 x)$$

Sequence: A132759
Score: 6.32931
Type of gen. func.: ogf

$\{a(n+3) - 3 a(n+2) + 3 a(n+1) - a(n), a(0) = 0, a(1) = 14, a(2) = 30\}$

Sequence: A132760
Score: 12.2505
Type of gen. func.: ogf

$$\frac{2 x (7 x - 8)}{(x - 1)^3}$$

Sequence: A132760
Score: 28.4571
Type of gen. func.: lgdogf

$$-\frac{-17 + 14 x}{(x - 1) (7 x - 8)}$$

Sequence: A132760
Score: 6.07378
Type of gen. func.: ogf

$$-(227 f(x) - 74898) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 14 x^2 - f(x) + 16 x)$$

Sequence: A132760
Score: 6.39628
Type of gen. func.: ogf

$\{a(n+3) - 3 a(n+2) + 3 a(n+1) - a(n), a(0) = 0, a(1) = 16, a(2) = 34\}$

Sequence: A132761
Score: 12.2505
Type of gen. func.: ogf

$$\frac{2 x (-9 + 8 x)}{(x - 1)^3}$$

Sequence: A132761

Score: 28.4571
Type of gen. func.: lgdogf

$$-\frac{-19 + 16 x}{(x - 1) (-9 + 8 x)}$$

Sequence: A132761
Score: 6.39628
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 18, a(2) = 38\}$$

Sequence: A132761
Score: 7.06414
Type of gen. func.: ogf

$$-(141 f(x) - 66430) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 16 x^2 - f(x) + 18 x)$$

Sequence: A132762
Score: 12.3146
Type of gen. func.: ogf

$$\frac{2 x (9 x - 10)}{(x - 1)^3}$$

Sequence: A132762
Score: 26.4893
Type of gen. func.: lgdogf

$$-\frac{3 (6 x - 7)}{(x - 1) (9 x - 10)}$$

Sequence: A132762
Score: 6.42977
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 20, a(2) = 42\}$$

```
--------------------------------------------------------------------------------

Sequence:  A132762
Score: 7.15699
Type of gen. func.: ogf


                               3            2                   2
   -(49 f(x) - 31746) (f(x) x  - 3 f(x) x  + 3 f(x) x - 18 x  - f(x) + 20 x)



--------------------------------------------------------------------------------

Sequence:  A132763
Score: 12.4429
Type of gen. func.: ogf

                                  2 x (-11 + 10 x)
                                  ----------------
                                             3
                                      (x - 1)



--------------------------------------------------------------------------------

Sequence:  A132763
Score: 26.7696
Type of gen. func.: lgdogf

                                      -23 + 20 x
                               - --------------------
                                 (x - 1) (-11 + 10 x)



--------------------------------------------------------------------------------

Sequence:  A132763
Score: 6.49675
Type of gen. func.: ogf

  {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 22, a(2) = 46}



--------------------------------------------------------------------------------

Sequence:  A132763
Score: 7.10257
Type of gen. func.: ogf


                                3            2                   2
  -(205 f(x) - 177156) (f(x) x  - 3 f(x) x  + 3 f(x) x - 20 x  - f(x) + 22 x)



--------------------------------------------------------------------------------

Sequence:  A132764
Score: 12.4429
Type of gen. func.: ogf

                                   x (21 x - 23)
                                   -------------
```

$$(x - 1)^3$$

Sequence: A132764
Score: 26.7696
Type of gen. func.: lgdogf

$$- \frac{6 (7 x - 8)}{(x - 1) (21 x - 23)}$$

Sequence: A132764
Score: 6.49675
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 23, a(2) = 48\}$$

Sequence: A132764
Score: 6.98614
Type of gen. func.: ogf

$$-(7132 f(x) - 7049325) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 21 x^2 - f(x) + 23 x)$$

Sequence: A132765
Score: 12.4429
Type of gen. func.: ogf

$$\frac{2 x (11 x - 12)}{(x - 1)^3}$$

Sequence: A132765
Score: 26.7696
Type of gen. func.: lgdogf

$$- \frac{-25 + 22 x}{(x - 1) (11 x - 12)}$$

Sequence: A132765

Score: 6.49675
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 24, a(2) = 50\}$$

Sequence: A132765
Score: 7.22295
Type of gen. func.: ogf

$$-(69 f(x) - 77558) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 22 x^2 - f(x) + 24 x)$$

Sequence: A132766
Score: 12.5071
Type of gen. func.: ogf

$$\frac{x (23 x - 25)}{(x - 1)^3}$$

Sequence: A132766
Score: 25.0539
Type of gen. func.: lgdogf

$$-\frac{2 (-26 + 23 x)}{(x - 1) (23 x - 25)}$$

Sequence: A132766
Score: 6.53024
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 25, a(2) = 52\}$$

Sequence: A132766
Score: 6.76673
Type of gen. func.: ogf

$$-(8348 f(x) - 10614807) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 23 x^2 - f(x) + 25 x)$$

Sequence: A132767
Score: 12.5071
Type of gen. func.: ogf

$$\frac{2 x (12 x - 13)}{(x - 1)^3}$$

Sequence: A132767
Score: 26.9098
Type of gen. func.: lgdogf

$$- \frac{3 (-9 + 8 x)}{(x - 1) (12 x - 13)}$$

Sequence: A132767
Score: 6.53024
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 26, a(2) = 54\}$$

Sequence: A132767
Score: 6.9359
Type of gen. func.: ogf

$$-(281 f(x) - 402234) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 24 x^2 - f(x) + 26 x)$$

Sequence: A132768
Score: 12.5071
Type of gen. func.: ogf

$$\frac{x (25 x - 27)}{(x - 1)^3}$$

Sequence: A132768
Score: 25.0539
Type of gen. func.: lgdogf

$$2 (-28 + 25 x)$$

```
                             - -------------------
                               (x - 1) (25 x - 27)



------------------------------------------------------------------------------

Sequence:  A132768
Score: 6.53024
Type of gen. func.: ogf


  {-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 0, a(1) = 27, a(2) = 56}



------------------------------------------------------------------------------

Sequence:  A132768
Score: 6.8222
Type of gen. func.: ogf


                               3           2                  2
 -(1380 f(x) - 2213831) (f(x) x  - 3 f(x) x  + 3 f(x) x - 25 x  - f(x) + 27 x)



------------------------------------------------------------------------------

Sequence:  A132769
Score: 12.5712
Type of gen. func.: ogf


                                2 x (13 x - 14)
                                ---------------
                                          3
                                   (x - 1)



------------------------------------------------------------------------------

Sequence:  A132769
Score: 27.0500
Type of gen. func.: lgdogf


                                   -29 + 26 x
                             - -------------------
                               (x - 1) (13 x - 14)



------------------------------------------------------------------------------

Sequence:  A132769
Score: 6.56373
Type of gen. func.: ogf


  {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 28, a(2) = 58}



------------------------------------------------------------------------------

Sequence:  A132769
Score: 6.91057
Type of gen. func.: ogf
```

$$-(647 f(x) - 1158390) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 26 x^2 - f(x) + 28 x)$$

Sequence: A132770
Score: 12.5712
Type of gen. func.: ogf

$$\frac{x (27 x - 29)}{(x - 1)^3}$$

Sequence: A132770
Score: 26.0839
Type of gen. func.: lgdogf

$$- \frac{6 (9 x - 10)}{(x - 1) (27 x - 29)}$$

Sequence: A132770
Score: 6.56373
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 29, a(2) = 60\}$$

Sequence: A132770
Score: 6.74338
Type of gen. func.: ogf

$$-(11068 f(x) - 22030491) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 27 x^2 - f(x) + 29 x)$$

Sequence: A132771
Score: 12.5712
Type of gen. func.: ogf

$$\frac{2 x (14 x - 15)}{(x - 1)^3}$$

Sequence: A132771
Score: 27.0500
Type of gen. func.: lgdogf

$$-\frac{-31 + 28 x}{(x - 1) (14 x - 15)}$$

Sequence: A132771
Score: 6.56373
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 30, a(2) = 62}

Sequence: A132771
Score: 6.96816
Type of gen. func.: ogf

$$-(369 f(x) - 813616) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 28 x^2 - f(x) + 30 x)$$

Sequence: A132772
Score: 12.2398
Type of gen. func.: ogf

$$\frac{x (29 x - 31)}{(x - 1)^3}$$

Sequence: A132772
Score: 23.6956
Type of gen. func.: lgdogf

$$-\frac{2 (-32 + 29 x)}{(x - 1) (29 x - 31)}$$

Sequence: A132772
Score: 6.39071
Type of gen. func.: ogf

{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 0, a(1) = 31, a(2) = 64}

Sequence: A132772
Score: 6.88566
Type of gen. func.: ogf

$$-(1796 f(x) - 4371939) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 29 x^2 - f(x) + 31 x)$$

Sequence: A132773
Score: 12.3036
Type of gen. func.: ogf

$$\frac{2 x (15 x - 16)}{(x - 1)^3}$$

Sequence: A132773
Score: 24.6423
Type of gen. func.: lgdogf

$$- \frac{3 (-11 + 10 x)}{(x - 1) (15 x - 16)}$$

Sequence: A132773
Score: 6.42400
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 32, a(2) = 66\}$$

Sequence: A132773
Score: 6.97456
Type of gen. func.: ogf

$$-(835 f(x) - 2236962) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 30 x^2 - f(x) + 32 x)$$

Sequence: A132780
Score: 11.1436
Type of gen. func.: lgdogf

$$-\frac{4x^5+5x^4-10x^3+x^2+2x-1}{(2x-1)(x+1)(x^2-x+1)(x^2+x-1)}$$

Sequence: A132780
Score: 12.4729
Type of gen. func.: ogf

$$\frac{x^2+x-1}{(x+1)(2x-1)(x^2-x+1)}$$

Sequence: A132780
Score: 6.61604
Type of gen. func.: ogf

$$-(3f(x)-4)(2f(x)x^4-f(x)x^3+2f(x)x-x^2-f(x)-x+1)$$

Sequence: A132796
Score: 10.1331
Type of gen. func.: lgdogf

$$-\frac{2x(9x^3-11x^2+11x-5)}{(x-1)(2x-1)(x+1)(3x^2-2x+1)}$$

Sequence: A132796
Score: 7.71588
Type of gen. func.: ogf

$$-\frac{x(3x^2-2x+1)}{(2x-1)(x-1)^2(x+1)^2}$$

Sequence: A132798
Score: 11.8254
Type of gen. func.: ogf

$$-f(x)\,x^3 + x^2 - f(x) + 2\,x$$

Sequence: A132798
Score: 12.8765
Type of gen. func.: ogf

$$\frac{x\,(x + 2)}{(x + 1)\,(x^2 - x + 1)}$$

Sequence: A132798
Score: 20.2196
Type of gen. func.: lgdogf

$$-\frac{2\,x^3 + 6\,x^2 - 1}{(x + 2)\,(x + 1)\,(x^2 - x + 1)}$$

Sequence: A132798
Score: 7.72589
Type of gen. func.: ogf

$$\{a(n + 3) + a(n), a(0) = 0, a(1) = 2, a(2) = 1\}$$

Sequence: A132804
Score: 11.3525
Type of gen. func.: ogf

$$-8\,f(x)\,x^2 - 7\,f(x)\,x + f(x) - 6\,x$$

Sequence: A132804
Score: 14.3622
Type of gen. func.: revogf

$$\frac{-7\,x - 6 + (27\,x^2 + 28\,x + 12)^{1/2}\,3^{1/2}}{16\,x}$$

Sequence: A132804
Score: 18.1025
Type of gen. func.: ogf

$$-\frac{6 x}{(x+1)(-1+8 x)}$$

Sequence: A132804
Score: 28.7244
Type of gen. func.: lgdogf

$$-\frac{7+16 x}{(x+1)(-1+8 x)}$$

Sequence: A132804
Score: 8.26906
Type of gen. func.: ogf

$$\{-a(n+2)+7 a(n+1)+8 a(n), a(0)=0, a(1)=6\}$$

Sequence: A132805
Score: 12.2594
Type of gen. func.: ogf

$$-8 f(x) x^2-7 f(x) x+f(x)-3 x$$

Sequence: A132805
Score: 15.8673
Type of gen. func.: revogf

$$\frac{-3-7 x+(27 x^2+14 x+3)^{1/2} 3^{1/2}}{16 x}$$

Sequence: A132805
Score: 19.5487
Type of gen. func.: ogf

$$-\frac{3 x}{(x + 1) (-1 + 8 x)}$$

Sequence: A132805
Score: 29.7513
Type of gen. func.: lgdogf

$$-\frac{7 + 16 x}{(x + 1) (-1 + 8 x)}$$

Sequence: A132805
Score: 8.92967
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) + 8 a(n), a(0) = 0, a(1) = 3\}$$

Sequence: A132820
Score: 3.10861
Type of gen. func.: ogf

$$-64 f(x)^2 x^4 + 48 f(x)^2 x^3 - 12 f(x)^2 x^2 - 64 f(x) x^3 + f(x)^2 x + 48 f(x) x^2 - x^3 - 12 f(x) x - 12 x^2 + f(x) + 7 x - 1$$

Sequence: A132824
Score: 11.4479
Type of gen. func.: ogf

$$-\frac{4 x^3 - x^2 - 2 x + 1}{(2 x - 1) (x - 1)^2}$$

Sequence: A132824
Score: 5.98413
Type of gen. func.: ogf

$$\{a(n + 4) - 4 a(n + 3) + 5 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 2, a(3) = 4\}$$

Sequence: A132824
Score: 6.42199
Type of gen. func.: ogf

$$-(5 f(x) - 7) (2 f(x) x^3 - 5 f(x) x^2 + 4 x^3 + 4 f(x) x - x^2 - f(x) - 2 x + 1)$$

Sequence: A132835
Score: 4.76558
Type of gen. func.: ogf

$$- \frac{7 x^{12} + 10 x^9 + 2 x^6 + 3 x^3 - 2}{(3 x - 1) (3 x^{12} + x^9 - 2 x^6 - x^3 - 2)}$$

Sequence: A132837
Score: 3.37772
Type of gen. func.: ogf

$$\frac{89 x^{12} - 160 x^{10} - 128 x^8 - 96 x^6 - 171 x^4 + 20 x^2 + 15}{(4 x - 1) (40 x^{10} + 12 x^8 - 32 x^6 + 26 x^4 - 50 x^2 - 15)}$$

Sequence: A132839
Score: 6.84197
Type of gen. func.: ogf

$$- \frac{27 x^{10} + 22 x^5 - 6}{(5 x - 1) (7 x^{10} - 2 x^5 - 6)}$$

Sequence: A132863
Score: 12.3097
Type of gen. func.: ogf

$$-9 f(x)^2 x - f(x)^2 + 5 f(x) - 4$$

Sequence: A132863
Score: 4.36797
Type of gen. func.: ogf

$$\{(144 n + 216) a(n + 1) + (7 n - 3) a(n + 2) + (-n - 3) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 21\}$$

Sequence: A132864
Score: 11.5674
Type of gen. func.: ogf

$$-16 f(x)^2 x - f(x)^2 + 6 f(x) - 5$$

Sequence: A132864
Score: 13.2500
Type of gen. func.: lgdogf

$$- \frac{4 (-2 + 40 x + 3 (1 - 20 x)^{1/2})}{(16 x + 1) (-1 + 20 x)}$$

Sequence: A132864
Score: 17.1892
Type of gen. func.: revogf

$$\frac{(3 - 8 x + 2 (16 x^2 - 12 x + 1)^{1/2}) x}{5}$$

Sequence: A132864
Score: 4.15242
Type of gen. func.: ogf

$$\{(320 n + 480) a(n + 1) + (4 n - 18) a(n + 2) + (-n - 3) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 36\}$$

Sequence: A132865
Score: 12.3561

Type of gen. func.: ogf

$$-25 f(x)^2 x - f(x)^2 + 7 f(x) - 6$$

Sequence: A132865
Score: 4.43553
Type of gen. func.: ogf

$$\{(600 n + 900) a(n + 1) + (-n - 39) a(n + 2) + (-n - 3) a(n + 3), a(0) = 1, a(1) = 5, a(2) = 55\}$$

Sequence: A132866
Score: 12.5496
Type of gen. func.: revogf

$$\frac{(4 - 18 x + 3 (36 x^2 - 16 x + 1)^{1/2}) x}{7}$$

Sequence: A132866
Score: 3.08846
Type of gen. func.: ogf

$$\{(1008 n + 1512) a(n + 1) + (-8 n - 66) a(n + 2) + (-n - 3) a(n + 3), a(0) = 1, a(1) = 6, a(2) = 78\}$$

Sequence: A132866
Score: 8.71385
Type of gen. func.: ogf

$$-36 f(x)^2 x - f(x)^2 + 8 f(x) - 7$$

Sequence: A132866
Score: 9.93511
Type of gen. func.: lgdogf

$$- \frac{6 (-3 + 84 x + 4 (1 - 28 x)^{1/2})}{(36 x + 1) (-1 + 28 x)}$$

Sequence: A132867
Score: 11.9744
Type of gen. func.: ogf

$$-49 f(x)^{2} x - f(x)^{2} + 9 f(x) - 8$$

Sequence: A132868
Score: 12.9780
Type of gen. func.: ogf

$$\frac{2 x^{2} - 1}{(3 x - 1) (x + 1) (x^{2} - x + 1)}$$

Sequence: A132868
Score: 6.48903
Type of gen. func.: ogf

$$(19985 f(x) - 6798) (3 f(x) x^{4} - f(x) x^{3} + 3 f(x) x - 2 x^{2} - f(x) + 1)$$

Sequence: A132869
Score: 10.5245
Type of gen. func.: lgdogf

$$- \frac{8 (-4 + 144 x + 5 (1 - 36 x)^{1/2})}{(64 x + 1) (-1 + 36 x)}$$

Sequence: A132869
Score: 12.2786
Type of gen. func.: revogf

$$\frac{(5 - 32 x + 4 ((16 x - 1) (4 x - 1))^{1/2}) x}{9}$$

Sequence: A132869
Score: 3.27200
Type of gen. func.: ogf

{(2304 n + 3456) a(n + 1) + (-28 n - 138) a(n + 2) + (-n - 3) a(n + 3),

a(0) = 1, a(1) = 8, a(2) = 136}

Sequence: A132869
Score: 9.24196
Type of gen. func.: ogf

$$-64 f(x)^2 x - f(x)^2 + 10 f(x) - 9$$

Sequence: A132894
Score: 25.4132
Type of gen. func.: lgdogf

$$-\frac{2 (3 x + 2)}{(x + 1) (3 x - 1)}$$

Sequence: A132894
Score: 4.32956
Type of gen. func.: ogf

{(-2 - n) a(n + 3) + (2 n + 6) a(n + 2) + (6 + 3 n) a(n + 1), a(0) = 0,

a(1) = 1, a(2) = 4}

Sequence: A132894
Score: 7.41498
Type of gen. func.: ogf

$$27 f(x)^2 x^4 - 18 f(x)^2 x^2 + 8 f(x)^2 x - f(x)^2 + x^2$$

Sequence: A132897
Score: 3.37533
Type of gen. func.: ogf

{(3240 n + 4860) a(n + 1) + (-41 n - 183) a(n + 2) + (-n - 3) a(n + 3),

$a(0) = 1, a(1) = 9, a(2) = 171\}$

Sequence: A132897
Score: 9.36944
Type of gen. func.: ogf

$$-81 f(x)^2 x - f(x)^2 + 11 f(x) - 10$$

Sequence: A132900
Score: 11.9974
Type of gen. func.: ogf

$$9 f(x)^2 x^2 + 3 f(x) x - f(x) + 1$$

Sequence: A132900
Score: 3.69603
Type of gen. func.: ogf

$$\{(-27 n - 54) a(n + 1) + (-6 n - 21) a(n + 2) + (n + 5) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 18\}$$

Sequence: A132900
Score: 37.1471
Type of gen. func.: revogf

$$\frac{x}{9 x^2 + 3 x + 1}$$

Sequence: A132911
Score: 4.45342
Type of gen. func.: ogf

$$\{(2 n^2 + 9 n + 9) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A132912
Score: 6.53539

Type of gen. func.: ogf

$$\{(2 n^2 + 11 n + 12) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A132925
Score: 10.0034
Type of gen. func.: ogf

$$- \frac{x^2 + x - 1}{(2 x - 1) (x - 1)^3}$$

Sequence: A132925
Score: 15.0332
Type of gen. func.: lgdogf

$$- \frac{4 x^3 + 7 x^2 - 12 x + 4}{(x - 1) (2 x - 1) (x^2 + x - 1)}$$

Sequence: A132925
Score: 5.07523
Type of gen. func.: ogf

$-(95 f(x) + 312)$

$$(2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 - 5 f(x) x + x^2 + f(x) + x - 1)$$

Sequence: A132951
Score: 13.4920
Type of gen. func.: ogf

$$\{a(n + 3) + a(n), a(0) = 1, a(1) = 3, a(2) = 1\}$$

Sequence: A132951
Score: 13.6718
Type of gen. func.: ogf

3   2

$$(6 f(x) + 5) (f(x) x - x + f(x) - 3 x - 1)$$

Sequence: A132951
Score: 20.9263
Type of gen. func.: ogf

$$\frac{x^2 + 3 x + 1}{(x + 1) (x^2 - x + 1)}$$

Sequence: A132951
Score: 23.7640
Type of gen. func.: lgdogf

$$- \frac{x^4 + 6 x^3 + 3 x^2 - 2 x - 3}{(x + 1) (x^2 + 3 x + 1) (x^2 - x + 1)}$$

Sequence: A132954
Score: 12.0544
Type of gen. func.: lgdogf

$$- \frac{4 x^4 + 4 x^3 + 3 x^2 - 8 x - 2}{(x + 1) (x^2 - x + 1) (4 x^2 + 2 x + 1)}$$

Sequence: A132954
Score: 13.2636
Type of gen. func.: ogf

$$\frac{4 x^2 + 2 x + 1}{(x + 1) (x^2 - x + 1)}$$

Sequence: A132954
Score: 8.22676
Type of gen. func.: ogf

$$-(f(x) - 5)\,(f(x)\,x^3 - 4\,x^2 + f(x) - 2\,x - 1)$$

Sequence: A132954
Score: 8.55151
Type of gen. func.: ogf

$$\{a(n + 3) + a(n),\ a(0) = 1,\ a(1) = 2,\ a(2) = 4\}$$

Sequence: A132965
Score: 10.3399
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^7 + 2\,x^6 - 2\,x^5 + 2\,x^4 + 2\,x^2 - 2\,x + 2}{x^8 - 1}$$

Sequence: A132966
Score: 7.03411
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^7 - x^6 + x^5 - x^4 - 3\,x^3 - x^2 + x - 1}{x^8 - 1}$$

Sequence: A132969
Score: 14.3184
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^3 - 3\,x^2 + 4\,x - 3}{-x^4 + 1}$$

Sequence: A132970
Score: 21.0709
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x - 3}{2}$$

$$x - 1$$

Sequence: A132973
Score: 5.50383
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^{11}+3x^{10}+2x^{8}+3x^{7}+3x^{6}+3x^{4}+3x^{3}+2x^{2}+3}{-x^{12}+1}$$

Sequence: A132979
Score: 15.6228
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^{2}-3x+3}{x^{3}+1}$$

Sequence: A132980
Score: 10.4963
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{6}+2x^{4}-2x^{2}-1}{x^{8}+x^{6}+x^{4}+x^{2}+1}$$

Sequence: A132998
Score: 13.3468
Type of gen. func.: lgdogf

$$-\frac{2\,(x^{3}+24x^{2}+33x+2)}{(x-1)\,(x^{3}+15x^{2}+9x-1)}$$

Sequence: A132998
Score: 3.56309
Type of gen. func.: ogf

$$\{(-11 n^2 - 51 n - 58) a(n + 1) + (7 n^2 - 18 n - 37) a(n + 2) + (4 n^2 + 9 n + 2) a(n + 3), a(0) = 0, a(1) = -1, a(2) = 4\}$$

Sequence: A132998
Score: 6.89380
Type of gen. func.: ogf

$$- \frac{x (x^3 + 15 x^2 + 9 x - 1)}{(x - 1)^5}$$

Sequence: A132999
Score: 10.0069
Type of gen. func.: lgdogf

$$\frac{25 x^{27} - 51 x^{26} + 26 x^{25} + 4 x^6 - 9 x^5 + 5 x^4 + 2}{(x - 1) (x^{27} - x^{26} + x^6 - x^5 - 1)}$$

Sequence: A132999
Score: 10.9883
Type of gen. func.: ogf

$$- \frac{x^{27} - x^{26} + x^6 - x^5 - 1}{(x - 1)^2}$$

Sequence: A133012
Score: 10.3713
Type of gen. func.: lgdogf

$$\frac{11 x^{13} - 23 x^{12} + 12 x^{11} + x^3 - 3 x^2 + 2 x + 2}{(x - 1) (x^{13} - x^{12} + x^3 - x^2 - 1)}$$

Sequence: A133012

Score: 9.75723
Type of gen. func.: ogf

$$-\frac{2\,(x^{13}-x^{12}+x^{3}-x^{2}-1)}{(x-1)^{2}}$$

Sequence: A133016
Score: 10.5870
Type of gen. func.: lgdogf

$$\frac{11\,x^{13}-23\,x^{12}+12\,x^{11}+x^{3}-3\,x^{2}+2\,x+2}{(x-1)\,(x^{13}-x^{12}+x^{3}-x^{2}-1)}$$

Sequence: A133016
Score: 9.96015
Type of gen. func.: ogf

$$-\frac{x^{13}-x^{12}+x^{3}-x^{2}-1}{(x-1)^{2}}$$

Sequence: A133024
Score: 3.04958
Type of gen. func.: ogf

$$(2\,f(x)\,x-f(x)+1)^{2}$$

Sequence: A133025
Score: 6.85659
Type of gen. func.: ogf

$$-(f(x)-2)\,(2\,f(x)\,x-f(x)+1)^{2}$$

Sequence: A133034
Score: 13.4276
Type of gen. func.: ogf

$$-\frac{2x^2-1}{x^3+x^2-1}$$

Sequence: A133034
Score: 18.9349
Type of gen. func.: lgdogf

$$-\frac{x(2x^3-3x+2)}{(2x^2-1)(x^3+x^2-1)}$$

Sequence: A133034
Score: 7.65227
Type of gen. func.: ogf

$$\{a(n+3)-a(n+1)-a(n),\ a(0)=-1,\ a(1)=0,\ a(2)=1\}$$

Sequence: A133034
Score: 7.99618
Type of gen. func.: ogf

$$(f(x)+1)(f(x)\,x^3+f(x)\,x^2+2x^2-f(x)-1)$$

Sequence: A133037
Score: 7.79484
Type of gen. func.: lgdogf

$$-\frac{x^2(x^8-x^6+6x^5+5x^4-4x^3+2x^2-6x+3)}{(x^3-x-1)(x^3-x^2+2x-1)(x^5+x^2+x-1)}$$

Sequence: A133037
Score: 8.84180
Type of gen. func.: ogf

5   2

$$-\frac{x + x + x - 1}{(x^3 - x - 1)(x^3 - x^2 + 2x - 1)}$$

Sequence: A133038
Score: 4.64131
Type of gen. func.: ogf

$$\frac{x^9 - x^8 + x^7 + x^6 - 5x^5 + x^4 - 2x^3 - 2x^2 - x + 1}{(x - 1)(x^3 - 2x^2 + 3x - 1)(x^6 + 3x^5 + 5x^4 + 5x^3 + 5x^2 + 3x + 1)}$$

Sequence: A133039
Score: 4.34719
Type of gen. func.: ogf

$$2x^8(x^7 - x^6 + 2x^5 + x^2 - 2x + 2) \Big/ \big((x - 1)(x^3 - x^2 + 2x - 1)(x^3 - 2x^2 + 3x - 1)(x^3 - x - 1)(x^6 + 3x^5 + 5x^4 + 5x^3 + 5x^2 + 3x + 1)\big)$$

Sequence: A133043
Score: 10.7836
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 + x^2 + x - 3}{(x - 1)^2}$$

Sequence: A133043
Score: 14.8495
Type of gen. func.: lgdogf

$$\frac{2x^4 - 5x^3 + 3x^2 - 3x + 5}{(x - 1)(x^4 - x^3 + x^2 + x - 3)}$$

Sequence: A133043
Score: 6.41438
Type of gen. func.: ogf

$$-(14 f(x) + 627) (x^4 + f(x) x^2 - x^3 - 2 f(x) x + x^2 + f(x) + x - 3)$$

Sequence: A133044
Score: 10.0569
Type of gen. func.: ogf

$$\frac{x^3 + x + 1}{(x^3 - x - 1) (x^3 - x^2 + 2 x - 1)}$$

Sequence: A133070
Score: 14.2797
Type of gen. func.: lgdogf

$$-\frac{2 (x + 5) (x^3 + 30 x^2 + 27 x + 2)}{(x - 1) (x^4 + 22 x^3 + 72 x^2 + 26 x - 1)}$$

Sequence: A133070
Score: 7.91145
Type of gen. func.: ogf

$$\frac{x (x^4 + 22 x^3 + 72 x^2 + 26 x - 1)}{(x - 1)^6}$$

Sequence: A133071
Score: 13.1440
Type of gen. func.: lgdogf

$$-\frac{2 (x^4 - 37 x^3 - 183 x^2 - 127 x - 14)}{(x - 1) (x^4 - 26 x^3 - 72 x^2 - 22 x - 1)}$$

Sequence: A133071
Score: 7.91145
Type of gen. func.: ogf

$$-\frac{x\,(x^4 - 26\,x^3 - 72\,x^2 - 22\,x - 1)}{(x - 1)^6}$$

Sequence: A133072
Score: 13.8828
Type of gen. func.: lgdogf

$$-\frac{6\,(x + 1)\,(x^3 + 14\,x^2 + 39\,x + 6)}{(x - 1)\,(3\,x^4 + 26\,x^3 + 60\,x^2 + 30\,x + 1)}$$

Sequence: A133072
Score: 7.97551
Type of gen. func.: ogf

$$\frac{x\,(3\,x^4 + 26\,x^3 + 60\,x^2 + 30\,x + 1)}{(x - 1)^6}$$

Sequence: A133073
Score: 13.4556
Type of gen. func.: lgdogf

$$-\frac{2\,(x^4 + 47\,x^3 + 165\,x^2 + 125\,x + 22)}{(x - 1)\,(x^4 + 30\,x^3 + 60\,x^2 + 26\,x + 3)}$$

Sequence: A133073
Score: 7.97551
Type of gen. func.: ogf

$$x\,(x^4 + 30\,x^3 + 60\,x^2 + 26\,x + 3)$$

$$(x - 1)^6$$

Sequence: A133078
Score: 13.8728
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-8 x^2 - 12 x - 12}{x^3 - 1}$$

Sequence: A133086
Score: 13.2540
Type of gen. func.: ogf

$$\frac{2 x^3 - 2 x^2 + 1}{(2 x - 1)^2}$$

Sequence: A133086
Score: 6.51274
Type of gen. func.: ogf

$$\{a(n + 4) - 4 a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 4, a(2) = 10, a(3) = 26\}$$

Sequence: A133086
Score: 7.70895
Type of gen. func.: ogf

$$(3 f(x) - 37) (4 f(x) x^2 - 2 x^3 - 4 f(x) x + 2 x^2 + f(x) - 1)$$

Sequence: A133089
Score: 10.0548
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3 x^3 + 3 x^2 - 6 x + 3}{x^4 - 1}$$

Sequence: A133090
Score: 14.6065
Type of gen. func.: ogf

$$\frac{x^3 + 3 x^2 + x + 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A133090
Score: 9.04209
Type of gen. func.: ogf

$$(258 f(x) + 527) (f(x) x^4 - 2 f(x) x^2 - x^3 - 3 x^2 + f(x) - x - 1)$$

Sequence: A133092
Score: 11.4748
Type of gen. func.: ogf

$$- \frac{4 x^3 + 3 x^2 + 4 x + 1}{(x - 1)^3 (x + 1)^3}$$

Sequence: A133095
Score: 13.6744
Type of gen. func.: ogf

$$- \frac{2 x^3 - 2 x^2 + 1}{(2 x - 1) (x - 1)^2}$$

Sequence: A133095
Score: 6.68299
Type of gen. func.: ogf

$\{a(n + 4) - 4 a(n + 3) + 5 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 4, a(2) = 9,$

$a(3) = 20\}$

```
------------------------------------------------------------------------------

Sequence:  A133095
Score: 7.66239
Type of gen. func.: ogf


                          3           2      3                 2
   (37 f(x) + 2) (2 f(x) x  - 5 f(x) x  + 2 x  + 4 f(x) x - 2 x  - f(x) + 1)



------------------------------------------------------------------------------

Sequence:  A133099
Score: 7.40677
Type of gen. func.: ogf_with_Euler_transform]


       11      10      9      8      7      6      5      4      3      2
- (-2 x   - 2 x   - 2 x  - 2 x  - 2 x  - 2 x  - 2 x  - 2 x  - 2 x  - 2 x  - 2 x

            /   13
     - 2)  /  (x   - 1)
          /



------------------------------------------------------------------------------

Sequence:  A133100
Score: 4.35636
Type of gen. func.: ogf_with_Euler_transform]


                               8    6    5    3
                             -x  - x  - x  - x  - 1
                - ---------------------------------------------
                   9    8    7    6    5    4    3    2
                  x  + x  + x  + x  + x  + x  + x  + x  + x + 1



------------------------------------------------------------------------------

Sequence:  A133101
Score: 4.10198
Type of gen. func.: ogf_with_Euler_transform]


                            8    7    5    3      2
                           x  + x  - x  + x  + 2 x  + x
                - ----------------------------------------------
                    9    8    7    6    5    4    3    2
                  -x  - x  - x  - x  - x  - x  - x  - x  - x - 1



------------------------------------------------------------------------------

Sequence:  A133106
Score: 11.3472
Type of gen. func.: lgdogf


                       2                                   1/2
                   20 x  + 8 x - 1 + (-(2 x - 1) (2 x + 1))
                 - -------------------------------------------
                              x (2 x + 1) (2 x - 1)
```

Sequence: A133111
Score: 15.9537
Type of gen. func.: lgdogf

$$-\frac{4(2x^3+12x^2+15x+4)}{(x-1)(x+1)(x^2+4x+1)}$$

Sequence: A133111
Score: 4.83782
Type of gen. func.: ogf

$$-\frac{x^3(x+1)(x^2+4x+1)}{(x-1)^{11}}$$

Sequence: A133111
Score: 5.53391
Type of gen. func.: ogf

$\{(n^2+10n+24)a(n+1)+(-n^2+1)a(n+2), a(0)=0, a(1)=0, a(2)=0, a(3)=1\}$

Sequence: A133124
Score: 13.7008
Type of gen. func.: ogf

$$-\frac{x^3-x+1}{(2x-1)(x-1)^2}$$

Sequence: A133124
Score: 6.28381
Type of gen. func.: ogf

$\{a(n+4)-4a(n+3)+5a(n+2)-2a(n+1), a(0)=1, a(1)=3, a(2)=7, a(3)=16\}$

Sequence: A133124
Score: 7.20472
Type of gen. func.: ogf

$$-(26 f(x) - 3) (2 f(x) x^3 - 5 f(x) x^2 + x^3 + 4 f(x) x - f(x) - x + 1)$$

Sequence: A133125
Score: 11.3394
Type of gen. func.: ogf

$$(9 f(x) - 1) (9 f(x) x^2 - f(x) + 4 x + 1)$$

Sequence: A133125
Score: 11.8710
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A133125
Score: 18.2052
Type of gen. func.: lgdogf

$$- \frac{2 (18 x^2 + 9 x + 2)}{(4 x + 1) (3 x - 1) (3 x + 1)}$$

Sequence: A133125
Score: 18.5303
Type of gen. func.: ogf

$$- \frac{4 x + 1}{(3 x - 1) (3 x + 1)}$$

Sequence: A133125
Score: 19.6424
Type of gen. func.: revogf

$$\frac{-1+(36x^2+16x+1)^{1/2}}{2(4+9x)}$$

Sequence: A133129
Score: 11.4014
Type of gen. func.: ogf

$$-\frac{x^2-2x-1}{2x^3-3x^2-6x+1}$$

Sequence: A133129
Score: 5.99556
Type of gen. func.: ogf

$$(1258 f(x)+167)(2 f(x) x^3-3 f(x) x^2-6 f(x) x+x^2+f(x)-2x-1)$$

Sequence: A133129
Score: 6.15473
Type of gen. func.: ogf

$$\{a(n+3)-6 a(n+2)-3 a(n+1)+2 a(n), a(0)=1, a(1)=8, a(2)=50\}$$

Sequence: A133131
Score: 10.1050
Type of gen. func.: ogf

$$\frac{x^4+x^3-x^2+x+1}{(x+1)(x^2+1)^2}$$

Sequence: A133131
Score: 16.9846
Type of gen. func.: lgdogf

$$-\frac{x(x^5+2x^4-5x^3-4x^2+6x+6)}{}$$

$$(x+1)(x^2+1)(x^4+x^3-x^2+x+1)$$

Sequence: A133137
Score: 15.2221
Type of gen. func.: ogf

$$-\frac{(x^2-x+1)(x^{15}-x^{13}-x^{12}+x^{10}+x^9-x^7-x^6+x^4+x^3-x-1)}{(x-1)^2}$$

Sequence: A133137
Score: 9.89881
Type of gen. func.: lgdogf

$$(15x^{17}-31x^{16}+16x^{15}+2) / ((x-1)(x^2-x+1)$$

$$(x^{15}-x^{13}-x^{12}+x^{10}+x^9-x^7-x^6+x^4+x^3-x-1))$$

Sequence: A133140
Score: 10.5388
Type of gen. func.: ogf

$$2f(x)x^2-3f(x)x+2x^2+f(x)+2x-2$$

Sequence: A133140
Score: 14.1180
Type of gen. func.: ogf

$$-\frac{2(x^2+x-1)}{(2x-1)(x-1)}$$

Sequence: A133140
Score: 18.8274
Type of gen. func.: lgdogf

$$5x^2-6x+2$$

$$-\frac{}{(x - 1) (2 x - 1) (x^2 + x - 1)}$$

Sequence: A133140
Score: 7.33581
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 2 a(n + 1), a(0) = 2, a(1) = 4, a(2) = 6\}$$

Sequence: A133141
Score: 3.63464
Type of gen. func.: ogf

$$(42079503747 f(x) - 32058740) (f(x) x^3 - 483 f(x) x^2 + 483 f(x) x + x^2 - f(x) - 152 x + 1)$$

Sequence: A133141
Score: 3.95969
Type of gen. func.: ogf

$$\{-a(n + 3) + 483 a(n + 2) - 483 a(n + 1) + a(n), a(0) = 1, a(1) = 331, a(2) = 159391\}$$

Sequence: A133141
Score: 7.26928
Type of gen. func.: ogf

$$-\frac{x^2 - 152 x + 1}{(x - 1) (x^2 - 482 x + 1)}$$

Sequence: A133142
Score: 3.94158
Type of gen. func.: ogf

$$(24005829834166 f(x) - 1009209184439) (f(x) x^3 - 1443 f(x) x^2 + 1443 f(x) x + 61 x^2 - f(x) - 242 x + 1)$$

Sequence: A133142
Score: 4.50023
Type of gen. func.: ogf

$$\{-a(n + 3) + 1443 a(n + 2) - 1443 a(n + 1) + a(n), a(0) = 1, a(1) = 1201, a(2) = 1731661\}$$

Sequence: A133142
Score: 8.16470
Type of gen. func.: ogf

$$-\frac{61 x^2 - 242 x + 1}{(x - 1) (x^2 - 1442 x + 1)}$$

Sequence: A133145
Score: 12.5311
Type of gen. func.: ogf

$$-\frac{(2 x + 1) (4 x^2 + 1)}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A133145
Score: 8.11672
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8\}$$

Sequence: A133145
Score: 8.70928
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^6 + 4 x^5 + 3 x^4 + 2 x^3 + 12 x^2 + 4 x + 1)}{(x - 1) (2 x + 1) (x + 1) (4 x^2 + 1) (x^2 + 1)}$$

Sequence: A133145
Score: 9.0414
Type of gen. func.: ogf

$$-f(x) (f(x) x^4 + 8 x^3 + 4 x^2 - f(x) + 2 x + 1)$$

Sequence: A133146
Score: 13.1081
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 4 x^4 + 3 x^3 + 13 x^2 + 9 x + 5}{(x - 1) (2 x + 1) (x + 1) (x^3 - x + 2)}$$

Sequence: A133146
Score: 9.04961
Type of gen. func.: ogf

$$-\frac{(2 x + 1) (x^3 - x + 2)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A133153
Score: 10.6927
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^8 + x^7 + x^6 + x^4 + x^2 + x + 1}{x^{10} - 1}$$

Sequence: A133158
Score: 3.31903
Type of gen. func.: ogf

$$\{(-36 n - 72) a(n + 1) + (48 n + 126) a(n + 2) + (-19 n - 64) a(n + 3)$$
$$+ (8 + 2 n) a(n + 4), a(0) = 1, a(1) = 3, a(2) = 12, a(3) = 57\}$$

Sequence: A133158
Score: 7.31615
Type of gen. func.: ogf

$$-18 f(x)^2 x^2 + 15 f(x)^2 x - 2 f(x)^2 - 6 f(x) x + f(x) + 1$$

Sequence: A133161
Score: 10.3677
Type of gen. func.: ogf

$$-\frac{x^2 - x + 1}{(x - 1) (x^2 - 4 x + 1)}$$

Sequence: A133161
Score: 13.4722
Type of gen. func.: lgdogf

$$-\frac{(x - 2) (x^3 + 3 x - 2)}{(x - 1) (x^2 - 4 x + 1) (x^2 - x + 1)}$$

Sequence: A133161
Score: 5.59674
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 5 a(n + 1) - a(n), a(0) = 1, a(1) = 4, a(2) = 16\}$$

Sequence: A133161
Score: 5.69759
Type of gen. func.: ogf

$$(9 f(x) - 1) (f(x) x^3 - 5 f(x) x^2 + 5 f(x) x + x^2 - f(x) - x + 1)$$

Sequence: A133186
Score: 11.0043
Type of gen. func.: ogf

$$\frac{4 x^2 + 3 x + 1}{(x + 1) (x^2 + 1)}$$

Sequence: A133186
Score: 13.3859
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^4 + 3 x^3 + x^2 - 3 x - 1)}{(x + 1) (4 x^2 + 3 x + 1) (x^2 + 1)}$$

Sequence: A133186
Score: 5.94039
Type of gen. func.: ogf

$$(22 f(x) - 37) (f(x) x^3 + f(x) x^2 + f(x) x - 4 x^2 + f(x) - 3 x - 1)$$

Sequence: A133186
Score: 5.99342
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 1\}$$

Sequence: A133188
Score: 9.56882
Type of gen. func.: ogf

$$\frac{x^2 (x^{12} - x^{10} - x^6 + x^4 + x^2 + 1)}{(x + 1) (x^2 - x + 1) (x - 1)^2 (x^2 + x + 1)}$$

Sequence: A133189
Score: 10.5039
Type of gen. func.: lgdegf]

$$(-4 - 2 n) a(n + 3) + (2 - n) a(n + 2) + a(n + 1), a(0) = 0, a(1) = 1,$$

$$a(2) = 3/2$$

Sequence: A133190
Score: 12.0372
Type of gen. func.: ogf

$$\frac{(2 x + 1) (x - 1)}{(2 x - 1) (x^2 + 1)}$$

Sequence: A133190
Score: 12.6365
Type of gen. func.: lgdogf

$$- \frac{4 x^4 - 4 x^3 - 9 x^2 + 6 x - 3}{(x - 1) (2 x + 1) (2 x - 1) (x^2 + 1)}$$

Sequence: A133190
Score: 6.44094
Type of gen. func.: ogf

$$(59 f(x) - 284) (2 f(x) x^3 - f(x) x^2 + 2 f(x) x - 2 x^2 - f(x) + x + 1)$$

Sequence: A133190
Score: 6.55596
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n + 1) - 2 a(n), a(0) = 1, a(1) = 3, a(2) = 3\}$$

Sequence: A133195
Score: 10.1995
Type of gen. func.: ogf

$$\frac{3 x (x^2 + x + 1)}{(x - 1) (10 x^3 - 1)}$$

Sequence: A133195
Score: 10.5166
Type of gen. func.: lgdogf

$$-\frac{20 x^5 + 20 x^4 + 20 x^3 - 29 x^2 - 2 x - 2}{(x - 1) (x^2 + x + 1) (10 x^3 - 1)}$$

Sequence: A133195
Score: 6.49768
Type of gen. func.: ogf

$$(90 f(x) + 143) (10 f(x) x^4 - 10 f(x) x^3 - 3 x^3 - f(x) x - 3 x^2 + f(x) - 3 x)$$

Sequence: A133201
Score: 10.1995
Type of gen. func.: ogf

$$\frac{x (x^2 + x + 1)}{(x - 1) (10 x^3 - 1)}$$

Sequence: A133201
Score: 10.5166
Type of gen. func.: lgdogf

$$-\frac{20 x^5 + 20 x^4 + 20 x^3 - 29 x^2 - 2 x - 2}{(x - 1) (x^2 + x + 1) (10 x^3 - 1)}$$

Sequence: A133201
Score: 6.23777
Type of gen. func.: ogf

$$-(270 f(x) + 143) (10 f(x) x^4 - 10 f(x) x^3 - x^3 - f(x) x - x^2 + f(x) - x)$$

Sequence: A133203

Score: 15.7452
Type of gen. func.: lgdogf

$$-\frac{29 x^{2} - 50 x - 3}{(x - 1) (18 x^{3} - 25 x^{2} - 1)}$$

Sequence: A133203
Score: 5.17024
Type of gen. func.: ogf

$$(56768 f(x) - 9713629)$$

$$(f(x) x^{3} - 18 x^{4} - 3 f(x) x^{2} + 25 x^{3} + 3 f(x) x - f(x) + x)$$

Sequence: A133203
Score: 9.80031
Type of gen. func.: ogf

$$\frac{x (18 x^{3} - 25 x^{2} - 1)}{(x - 1)^{3}}$$

Sequence: A133209
Score: 10.8923
Type of gen. func.: ogf

$$-\frac{10 x^{2} - 10 x + 3}{(2 x - 1) (2 x^{2} - 2 x + 1)}$$

Sequence: A133209
Score: 5.86509
Type of gen. func.: ogf

$$-(f(x) - 3) (4 f(x) x^{3} - 6 f(x) x^{2} + 4 f(x) x + 10 x^{2} - f(x) - 10 x + 3)$$

Sequence: A133209

Score: 6.18214
Type of gen. func.: ogf

$$\{a(n+3) - 4\,a(n+2) + 6\,a(n+1) - 4\,a(n),\ a(0) = 3,\ a(1) = 2,\ a(2) = 0\}$$

Sequence: A133209
Score: 9.84471
Type of gen. func.: lgdogf

$$-\frac{2\,(20\,x^4 - 40\,x^3 + 28\,x^2 - 8\,x + 1)}{(2\,x - 1)\,(2\,x^2 - 2\,x + 1)\,(10\,x^2 - 10\,x + 3)}$$

Sequence: A133212
Score: 10.3082
Type of gen. func.: ogf

$$-\frac{4\,x^3 + 2\,x^2 + 1}{(2\,x - 1)\,(2\,x^2 - 2\,x + 1)}$$

Sequence: A133212
Score: 5.00027
Type of gen. func.: ogf

$$\{a(n+4) - 4\,a(n+3) + 6\,a(n+2) - 4\,a(n+1),\ a(0) = 1,\ a(1) = 4,\ a(2) = 12,\ a(3) = 32\}$$

Sequence: A133212
Score: 5.58363
Type of gen. func.: ogf

$$-(17\,f(x) - 3)\,(4\,f(x)\,x^3 - 6\,f(x)\,x^2 + 4\,x^3 + 4\,f(x)\,x + 2\,x^2 - f(x) + 1)$$

Sequence: A133212
Score: 9.79749
Type of gen. func.: lgdogf

4   3   2

$$-\frac{4\,(8\,x - 8\,x + 4\,x - 2\,x + 1)}{(2\,x - 1)\,(2\,x^{2} - 2\,x + 1)\,(4\,x^{3} + 2\,x^{2} + 1)}$$

Sequence: A133216
Score: 6.55150
Type of gen. func.: ogf

$$-\frac{x\,(x^{4} + 9\,x^{3} + 376\,x^{2} + 9\,x + 1)}{(x - 1)\,(x^{2} - 34\,x + 1)\,(x^{2} + 34\,x + 1)}$$

Sequence: A133217
Score: 7.08705
Type of gen. func.: ogf

$$-\frac{x\,(x^{4} + x^{3} - 16\,x^{2} + x + 1)}{(x - 1)\,(x^{2} + 6\,x + 1)\,(x^{2} - 6\,x + 1)}$$

Sequence: A133218
Score: 7.37308
Type of gen. func.: ogf

$$\frac{x\,(2\,x^{4} + 3\,x^{3} - 17\,x^{2} - 3\,x - 1)}{(x - 1)\,(x^{2} + 6\,x + 1)\,(x^{2} - 6\,x + 1)}$$

Sequence: A133221
Score: 3.43143
Type of gen. func.: ogf

$$\{(n^{3} - 2\,n^{2} - 3\,n)\,a(n) + (7\,n^{3} + 34\,n^{2} + 43\,n + 16)\,a(n + 1)$$

$$+ (-n^{2} - 4\,n - 19)\,a(n + 2) + (-7\,n^{2} - 20\,n + 3)\,a(n + 3),\ a(0) = 1,$$

$$a(1) = 1,\ a(2) = 1\}$$

Sequence: A133223
Score: 12.7023
Type of gen. func.: ogf

$$\frac{x^4 - x^2 + x + 2}{(x + 1)\,(x - 1)^2}$$

Sequence: A133223
Score: 6.08653
Type of gen. func.: ogf

{-a(n + 5) + a(n + 4) + a(n + 3) - a(n + 2), a(0) = 2, a(1) = 3, a(2) = 4,

a(3) = 5, a(4) = 7}

Sequence: A133223
Score: 7.01168
Type of gen. func.: ogf

$$-(71 f(x) - 17)\,(f(x)\,x^3 - x^4 - f(x)\,x^2 - f(x)\,x + x^2 + f(x) - x - 2)$$

Sequence: A133224
Score: 3.47362
Type of gen. func.: ogf

$$-(2192 f(x) + 1169)\,(64 f(x)\,x^4 - 96 f(x)\,x^3 + 52 f(x)\,x^2 - 14 x^3 - 12 f(x)\,x + 10 x^2 + f(x) - 2 x)$$

Sequence: A133224
Score: 6.55149
Type of gen. func.: ogf

$$\frac{2 x\,(7 x^2 - 5 x + 1)}{(4 x - 1)^2\,(2 x - 1)^2}$$

Sequence: A133224

Score: 9.07919
Type of gen. func.: lgdogf

$$-\frac{112 x^3 - 120 x^2 + 48 x - 7}{(2 x - 1) (4 x - 1) (7 x^2 - 5 x + 1)}$$

Sequence: A133238
Score: 3.44904
Type of gen. func.: ogf

$$\{(2 n^3 + 47 n^2 + 366 n + 945) a(n + 1) + (38 n^2 + 456 n + 1540) a(n + 2)$$
$$+ (-2 n^3 - 25 n^2 - 102 n - 135) a(n + 3), a(0) = 1, a(1) = 52, a(2) = 1053$$
$$\}$$

Sequence: A133239
Score: 3.37956
Type of gen. func.: ogf

$$\{(n^3 + 31 n^2 + 318 n + 1080) a(n + 1) + (25 n^2 + 375 n + 1586) a(n + 2)$$
$$+ (-n^3 - 14 n^2 - 63 n - 90) a(n + 3), a(0) = 1, a(1) = 78, a(2) = 2430\}$$

Sequence: A133240
Score: 3.01365
Type of gen. func.: ogf

$$\{(n^3 + 46 n^2 + 699 n + 3510) a(n + 1) + (37 n^2 + 777 n + 4598) a(n + 2)$$
$$+ (-n^3 - 17 n^2 - 90 n - 144) a(n + 3), a(0) = 1, a(1) = 133, a(2) = 7371\}$$

Sequence: A133241
Score: 3.30519
Type of gen. func.: ogf

$$\{(n^3 + 61 n^2 + 1228 n + 8160) a(n + 1) + (49 n^2 + 1323 n + 10050) a(n + 2)$$
$$+ (-n^3 - 20 n^2 - 121 n - 210) a(n + 3), a(0) = 1, a(1) = 190, a(2) = 15504$$

}

Sequence: A133252
Score: 10.1367
Type of gen. func.: ogf

$$-\frac{2x^2+1}{(x-1)^5}$$

Sequence: A133252
Score: 24.8569
Type of gen. func.: lgdogf

$$-\frac{6x^2+4x+5}{(x-1)(2x^2+1)}$$

Sequence: A133252
Score: 4.00135
Type of gen. func.: ogf

$$\{(n+4)\,a(n+4)+(-8-n)\,a(n+3)+2n\,a(n+2)+(-8-2n)\,a(n+1),$$
$$a(0)=1,\ a(1)=5,\ a(2)=17,\ a(3)=45\}$$

Sequence: A133256
Score: 11.1518
Type of gen. func.: lgdogf

$$-\frac{x^7-x^6+6x^5+6x^4+11x^3+x^2+6x+2}{(x-1)(x+1)(x^2+1)(x^4-x^3+2x^2+x+1)}$$

Sequence: A133256
Score: 11.6636
Type of gen. func.: ogf

4 3 2

```
                  x  - x  + 2 x  + x + 1
                 -------------------------
                           2            2
                 (x + 1) (x  + 1) (x - 1)
```

Sequence: A133257
Score: 13.5150
Type of gen. func.: ogf

```
                           2
                        4 x  - 3 x - 4
                     - -------------------
                                      2
                       (x - 1) (2 x  - 1)
```

Sequence: A133257
Score: 7.29569
Type of gen. func.: ogf

```
                             3            2              2
    (41 f(x) - 98) (2 f(x) x  - 2 f(x) x  - f(x) x + 4 x  + f(x) - 3 x - 4)
```

Sequence: A133257
Score: 7.29569
Type of gen. func.: ogf

```
   {a(n + 3) - a(n + 2) - 2 a(n + 1) + 2 a(n), a(0) = 4, a(1) = 7, a(2) = 11}
```

Sequence: A133259
Score: 8.39042
Type of gen. func.: lgdogf

```
                9      8      7      6      5       4      3      2
            2 (x  - 2 x  + 2 x  + 4 x  - 6 x  + 13 x  - 9 x  + 5 x  + 1)
         - ----------------------------------------------------------------
                     2            2               5      4      3    2
           (x - 1) (x  + x + 1) (x  - x + 1) (2 x  - 3 x  + 2 x  + x  + 1)
```

Sequence: A133259
Score: 8.55334
Type of gen. func.: ogf

```
                              5      4      3    2
                           2 x  - 3 x  + 2 x  + x  + 1
                         ----------------------------------
                          2            2                 2
```

$$(x + x + 1) (x - x + 1) (x - 1)$$

Sequence: A133263
Score: 11.7955
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 + 1}{(x - 1)^3}$$

Sequence: A133263
Score: 23.4681
Type of gen. func.: lgdogf

$$-\frac{2 x^2 - 2 x + 3}{(x - 1) (x^3 - x^2 + 1)}$$

Sequence: A133263
Score: 5.80839
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 3, a(2) = 5, a(3) = 8\}$$

Sequence: A133263
Score: 6.66701
Type of gen. func.: ogf

$$(3 f(x) + 2) (f(x) x^3 - 3 f(x) x^2 + x^3 + 3 f(x) x - x^2 - f(x) + 1)$$

Sequence: A133264
Score: 5.3875
Type of gen. func.: ogf

$$(315 f(x) + 481) (10 f(x) x^4 - 10 f(x) x^3 - 2 x^3 - f(x) x - 3 x^2 + f(x) - 3 x - 1)$$

Sequence: A133264
Score: 8.35231
Type of gen. func.: lgdogf

$$-\frac{20 x^6 + 60 x^5 + 60 x^4 - 16 x^3 - 33 x^2 - 6 x - 4}{(x - 1) (2 x + 1) (x^2 + x + 1) (10 x^3 - 1)}$$

Sequence: A133264
Score: 9.48504
Type of gen. func.: ogf

$$\frac{(2 x + 1) (x^2 + x + 1)}{(x - 1) (10 x^3 - 1)}$$

Sequence: A133265
Score: 15.2987
Type of gen. func.: ogf

$$-\frac{2 (x^2 - x - 1)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A133265
Score: 19.8720
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 3 x^2 - 2 x - 1}{(x - 1) (x + 1) (x^2 - x - 1)}$$

Sequence: A133265
Score: 9.37659
Type of gen. func.: ogf

$$(f(x) + 7) (f(x) x^4 - 2 f(x) x^2 + 2 x^2 + f(x) - 2 x - 2)$$

Sequence: A133266
Score: 4.02591
Type of gen. func.: ogf

$$\frac{3 x^7 + 24 x^6 - 5 x^5 - 11 x^4 + 18 x^3 - x^2 - 28 x + 30}{(x - 1)^2}$$

Sequence: A133271
Score: 4.82566
Type of gen. func.: ogf

$$(523 f(x) - 3) (f(x) x^3 - 13 f(x) x^2 + 13 f(x) x + x^2 - f(x) - 5 x + 1)$$

Sequence: A133271
Score: 4.82566
Type of gen. func.: ogf

$$\{-a(n + 3) + 13 a(n + 2) - 13 a(n + 1) + a(n), a(0) = 1, a(1) = 8, a(2) = 92\}$$

Sequence: A133271
Score: 8.80875
Type of gen. func.: ogf

$$-\frac{x^2 - 5 x + 1}{(x - 1) (x^2 - 12 x + 1)}$$

Sequence: A133271
Score: 9.36879
Type of gen. func.: lgdogf

$$-\frac{x^4 - 10 x^3 + 55 x^2 - 24 x + 8}{(x - 1) (x^2 - 5 x + 1) (x^2 - 12 x + 1)}$$

Sequence: A133272
Score: 10.5413
Type of gen. func.: lgdogf

$$-\frac{12 x^3 - 81 x^2 + 26 x - 7}{(x - 1) (-1 + 6 x) (x^2 - 12 x + 1)}$$

Sequence: A133272
Score: 4.57642
Type of gen. func.: ogf

$$-(1627465 f(x) + 133559) (f(x) x^3 - 13 f(x) x^2 + 13 f(x) x - f(x) - 6 x + 1)$$

Sequence: A133272
Score: 4.77539
Type of gen. func.: ogf

$$\{a(n + 3) - 13 a(n + 2) + 13 a(n + 1) - a(n), a(0) = 1, a(1) = 7, a(2) = 78\}$$

Sequence: A133272
Score: 9.98491
Type of gen. func.: ogf

$$\frac{-1 + 6 x}{(x - 1) (x^2 - 12 x + 1)}$$

Sequence: A133273
Score: 10.4611
Type of gen. func.: lgdogf

$$-\frac{2 (9 x^3 - 87 x^2 + 19 x - 5)}{(x - 1) (9 x - 1) (x^2 - 18 x + 1)}$$

Sequence: A133273
Score: 13.0091

Type of gen. func.: ogf

```
                                    9 x - 1
                            -----------------------
                                      2
                            (x - 1) (x  - 18 x + 1)
```

Sequence: A133273
Score: 5.86474
Type of gen. func.: ogf

```
                                   3            2
 -(31426480 f(x) + 1734479) (f(x) x  - 19 f(x) x  + 19 f(x) x - f(x) - 9 x + 1)
```

Sequence: A133273
Score: 6.11538
Type of gen. func.: ogf

```
 {a(n + 3) - 19 a(n + 2) + 19 a(n + 1) - a(n), a(0) = 1, a(1) = 10, a(2) = 171}
```

Sequence: A133274
Score: 3.70882
Type of gen. func.: ogf

```
(13386232721 f(x) - 63438466)

           3             2                 2
    (f(x) x  - 483 f(x) x  + 483 f(x) x + x  - f(x) + 310 x + 1)
```

Sequence: A133274
Score: 4.04050
Type of gen. func.: ogf

```
{a(n + 3) - 483 a(n + 2) + 483 a(n + 1) - a(n), a(0) = 1, a(1) = 793,

    a(2) = 382537}
```

Sequence: A133274
Score: 7.41764
Type of gen. func.: ogf

```
                                   2
                                  x  + 310 x + 1
                           - ------------------------
                                       2
```

$$(x - 1) (x - 482 x + 1)$$

Sequence: A133275
Score: 11.7534
Type of gen. func.: ogf

$$-\frac{3 (x - 1)}{x^2 - 22 x + 1}$$

Sequence: A133275
Score: 12.0356
Type of gen. func.: revogf

$$-\frac{-3 - 22 x + (480 x^2 + 120 x + 9)^{1/2}}{2 (x + 3)}$$

Sequence: A133275
Score: 16.5489
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x + 21}{(x - 1) (x^2 - 22 x + 1)}$$

Sequence: A133275
Score: 5.81349
Type of gen. func.: ogf

$$-(460 f(x) - 57) (f(x) x^2 - 22 f(x) x + f(x) + 3 x - 3)$$

Sequence: A133275
Score: 6.43637
Type of gen. func.: ogf

$$\{a(n + 2) - 22 a(n + 1) + a(n), a(0) = 3, a(1) = 63\}$$

Sequence: A133283
Score: 11.4520
Type of gen. func.: ogf

$$\frac{x+1}{x^2-22x+1}$$

Sequence: A133283
Score: 11.9931
Type of gen. func.: revogf

$$-\frac{-1-22x+(480x^2+48x+1)^{1/2}}{2(x-1)}$$

Sequence: A133283
Score: 15.6273
Type of gen. func.: lgdogf

$$-\frac{x^2+2x-23}{(x+1)(x^2-22x+1)}$$

Sequence: A133283
Score: 5.91901
Type of gen. func.: ogf

$$(504 f(x)+25)(f(x)x^2-22 f(x)x+f(x)-x-1)$$

Sequence: A133283
Score: 6.27133
Type of gen. func.: ogf

$$\{-a(n+2)+22a(n+1)-a(n), a(0)=1, a(1)=23\}$$

Sequence: A133284
Score: 4.23908
Type of gen. func.: ogf

$$(177759 f(x) - 344) (f(x) x^3 - 23 f(x) x^2 + 23 f(x) x + x^2 - f(x) - 10 x + 1)$$

Sequence: A133284
Score: 4.38401
Type of gen. func.: ogf

$$\{-a(n + 3) + 23 a(n + 2) - 23 a(n + 1) + a(n), a(0) = 1, a(1) = 13, a(2) = 277\}$$

Sequence: A133284
Score: 8.01452
Type of gen. func.: ogf

$$-\frac{x^2 - 10 x + 1}{(x - 1) (x^2 - 22 x + 1)}$$

Sequence: A133284
Score: 8.22687
Type of gen. func.: lgdogf

$$-\frac{x^4 - 20 x^3 + 210 x^2 - 44 x + 13}{(x - 1) (x^2 - 22 x + 1) (x^2 - 10 x + 1)}$$

Sequence: A133285
Score: 4.13652
Type of gen. func.: ogf

$$-(133319880 f(x) + 6033719)$$

$$(f(x) x^3 - 23 f(x) x^2 + 23 f(x) x - f(x) - 11 x + 1)$$

Sequence: A133285
Score: 4.38401
Type of gen. func.: ogf

$$\{a(n + 3) - 23 a(n + 2) + 23 a(n + 1) - a(n), a(0) = 1, a(1) = 12, a(2) = 253\}$$

Sequence: A133285
Score: 9.12434
Type of gen. func.: lgdogf

$$-\frac{2\,(11\,x^3 - 128\,x^2 + 23\,x - 6)}{(x - 1)\,(11\,x - 1)\,(x^2 - 22\,x + 1)}$$

Sequence: A133285
Score: 9.15945
Type of gen. func.: ogf

$$\frac{11\,x - 1}{(x - 1)\,(x^2 - 22\,x + 1)}$$

Sequence: A133292
Score: 10.2195
Type of gen. func.: ogf

$$-\frac{2\,x^8 + 4\,x^7 + 7\,x^6 + 2\,x^5 + 7\,x^4 + 4\,x^3 + 2\,x^2 + x + 1}{(x - 1)\,(x^2 + x + 1)\,(x^6 + x^3 + 1)}$$

Sequence: A133293
Score: 6.82807
Type of gen. func.: ogf

$$\frac{x\,(x^6 + 3\,x^5 + 6\,x^4 + x^3 + 6\,x^2 + 3\,x + 1)}{(x^2 + x + 1)\,(x^6 + x^3 + 1)}$$

Sequence: A133294
Score: 13.1554
Type of gen. func.: ogf

$$\frac{x - 1}{10\,x^2 + 2\,x - 1}$$

Sequence: A133294
Score: 15.1951
Type of gen. func.: lgdogf

$$-\frac{10 x^2 - 20 x - 1}{(x - 1) (10 x^2 + 2 x - 1)}$$

Sequence: A133294
Score: 15.5949
Type of gen. func.: revogf

$$\frac{-1 - 2 x + (44 x^2 + 1)^{1/2}}{2 (10 x - 1)}$$

Sequence: A133294
Score: 6.72389
Type of gen. func.: ogf

$$(154 f(x) - 153) (10 f(x) x^2 + 2 f(x) x - f(x) - x + 1)$$

Sequence: A133294
Score: 7.29096
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 10 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A133296
Score: 5.98885
Type of gen. func.: ogf

$$\frac{x (20 x^8 + 20 x^7 + 20 x^6 + 20 x^5 + 11 x^4 + 2 x^3 + 2 x^2 + 2 x + 2)}{(x - 1) (100 x^9 - 1)}$$

Sequence: A133301
Score: 4.71712
Type of gen. func.: ogf

$$-\frac{22 x^4 + 65395 x^3 - 483503 x^2 + 1925 x + 1}{(x - 1) (x^2 - 1154 x + 1) (x^2 + 1154 x + 1)}$$

Sequence: A133305
Score: 12.186
Type of gen. func.: ogf

$$-4 f(x)^2 x - f(x) x + f(x) - 1$$

Sequence: A133305
Score: 3.37547
Type of gen. func.: ogf

$$\{(n^2 + n) a(n) + (-17 n^2 - 41 n - 24) a(n + 1) + (-17 n^2 - 95 n - 132) a(n + 2)$$

$$+ (n^2 + 7 n + 12) a(n + 3), a(0) = 1, a(1) = 5, a(2) = 45\}$$

Sequence: A133305
Score: 30.1029
Type of gen. func.: revogf

$$-\frac{x (4 x - 1)}{x + 1}$$

Sequence: A133306
Score: 13.0492
Type of gen. func.: ogf

$$-5 f(x)^2 x - f(x) x + f(x) - 1$$

Sequence: A133306
Score: 3.59768
Type of gen. func.: ogf

$$\{(n^2 + n)\, a(n) + (-21\, n^2 - 51\, n - 30)\, a(n + 1) + (-21\, n^2 - 117\, n - 162)\, a(n + 2) + (n^2 + 7\, n + 12)\, a(n + 3),\ a(0) = 1,\ a(1) = 6,\ a(2) = 66\}$$

Sequence: A133306
Score: 32.2278
Type of gen. func.: revogf

$$-\frac{x\,(5\,x - 1)}{x + 1}$$

Sequence: A133307
Score: 12.2269
Type of gen. func.: ogf

$$-6\, f(x)^2\, x - f(x)\, x + f(x) - 1$$

Sequence: A133307
Score: 3.37097
Type of gen. func.: ogf

$$\{(n^2 + n)\, a(n) + (-25\, n^2 - 61\, n - 36)\, a(n + 1) + (-25\, n^2 - 139\, n - 192)\, a(n + 2) + (n^2 + 7\, n + 12)\, a(n + 3),\ a(0) = 1,\ a(1) = 7,\ a(2) = 91\}$$

Sequence: A133307
Score: 32.1653
Type of gen. func.: revogf

$$-\frac{x\,(-1 + 6\,x)}{x + 1}$$

Sequence: A133308
Score: 11.3165

Type of gen. func.: ogf

$$-7 f(x)^2 x - f(x) x + f(x) - 1$$

Sequence: A133308
Score: 29.1937
Type of gen. func.: revogf

$$-\frac{x (-1 + 7 x)}{x + 1}$$

Sequence: A133308
Score: 3.10547
Type of gen. func.: ogf

$$\{(n^2 + n) a(n) + (-29 n^2 - 71 n - 42) a(n + 1) + (-29 n^2 - 161 n - 222) a(n + 2) + (n^2 + 7 n + 12) a(n + 3), a(0) = 1, a(1) = 8, a(2) = 120\}$$

Sequence: A133309
Score: 11.6105
Type of gen. func.: ogf

$$-8 f(x)^2 x - f(x) x + f(x) - 1$$

Sequence: A133309
Score: 3.18613
Type of gen. func.: ogf

$$\{(n^2 + n) a(n) + (-33 n^2 - 81 n - 48) a(n + 1) + (-33 n^2 - 183 n - 252) a(n + 2) + (n^2 + 7 n + 12) a(n + 3), a(0) = 1, a(1) = 9, a(2) = 153\}$$

Sequence: A133309
Score: 30.0092

Type of gen. func.: revogf

$$-\frac{x(-1+8x)}{x+1}$$

Sequence: A133310
Score: 13.1617
Type of gen. func.: ogf

$$\frac{x^3-x^2+x+1}{(x^2+x+1)(x-1)^2}$$

Sequence: A133310
Score: 16.4989
Type of gen. func.: lgdogf

$$-\frac{x^5-x^4+3x^3+7x^2+2}{(x-1)(x^2+x+1)(x^3-x^2+x+1)}$$

Sequence: A133310
Score: 5.53755
Type of gen. func.: ogf

$\{(-n-4)a(n+1)-a(n+2)-a(n+3)+(n+3)a(n+4), a(0)=1, a(1)=2,$

$a(2)=1, a(3)=3\}$

Sequence: A133310
Score: 7.26526
Type of gen. func.: ogf

$$-(25 f(x)+53)(f(x)x^4-f(x)x^3-x^3-f(x)x+x^2+f(x)-x-1)$$

Sequence: A133311
Score: 7.30070
Type of gen. func.: ogf

$$\frac{x (x^9 + 2 x^8 + 2 x^7 + 2 x^6 + 2 x^5 - 7 x^4 + 2 x^3 + 2 x^2 + 2 x + 2)}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A133317
Score: 4.18808
Type of gen. func.: ogf

$$\{(-n^2 - 12 n - 36) a(n + 1) + (2 n^2 + 18 n + 63) a(n + 2) + (-n^2 - 6 n - 9) a(n + 3), a(0) = 1, a(1) = 35, a(2) = 405\}$$

Sequence: A133317
Score: 4.67928
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + 24 x^3 + 76 x^2 + 24 x + 1)}{(x - 1)^{10}}$$

Sequence: A133317
Score: 9.67350
Type of gen. func.: lgdogf

$$- \frac{5 (x^5 + 31 x^4 + 160 x^3 + 220 x^2 + 85 x + 7)}{(x - 1) (x + 1) (x^4 + 24 x^3 + 76 x^2 + 24 x + 1)}$$

Sequence: A133318
Score: 3.43449
Type of gen. func.: ogf

$$\{(n^3 + 26 n^2 + 223 n + 630) a(n + 1) + (21 n^2 + 273 n + 990) a(n + 2) + (-n^3 - 13 n^2 - 54 n - 72) a(n + 3), a(0) = 1, a(1) = 66, a(2) = 1638\}$$

Sequence: A133319

Score: 3.33810
Type of gen. func.: ogf

$$\{(n^3 + 36 n^2 + 428 n + 1680) a(n + 1) + (29 n^2 + 493 n + 2355) a(n + 2) + (-n^3 - 15 n^2 - 71 n - 105) a(n + 3), a(0) = 1, a(1) = 99, a(2) = 3927\}$$

Sequence: A133325
Score: 5.61725
Type of gen. func.: ogf

$$-(11480 f(x) - 21001) (f(x) x^4 - 6 f(x) x^2 + 7 x^3 + 13 x^2 + f(x) - 13 x - 7)$$

Sequence: A133325
Score: 9.64157
Type of gen. func.: ogf

$$-\frac{(x - 1) (7 x^2 + 20 x + 7)}{(x^2 + 2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A133326
Score: 12.0350
Type of gen. func.: ogf

$$\frac{2 (x + 1) (x^2 + 3 x + 1)}{(x^2 + 2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A133326
Score: 7.45024
Type of gen. func.: ogf

$$(820 f(x) + 201) (f(x) x^4 - 6 f(x) x^2 - 2 x^3 - 8 x^2 + f(x) - 8 x - 2)$$

Sequence: A133326
Score: 9.37404
Type of gen. func.: lgdogf

$$-\frac{x^6+8x^5+18x^4+4x^3-27x^2-20x-4}{(x+1)(x^2+3x+1)(x^2+2x-1)(x^2-2x-1)}$$

Sequence: A133327
Score: 5.51587
Type of gen. func.: ogf

$$-\frac{17x^4+8160x^3-20178x^2+240x+1}{(x-1)(x^2+198x+1)(x^2-198x+1)}$$

Sequence: A133328
Score: 5.67275
Type of gen. func.: ogf

$$\frac{2x(6x^3+2885x^2-6726x-85)}{(x-1)(x^2+198x+1)(x^2-198x+1)}$$

Sequence: A133331
Score: 3.09419
Type of gen. func.: ogf

$$(12f(x)+1)(3f(x)x^4-3f(x)x^2-3x^3-3x^2+f(x)-x)$$

Sequence: A133331
Score: 4.97098
Type of gen. func.: ogf

$$\frac{x(3x^2+3x+1)}{3x^4-3x^2+1}$$

Sequence: A133331
Score: 5.17773

Type of gen. func.: lgdogf

$$-\frac{3\,(6\,x^5+9\,x^4+4\,x^3-3\,x^2-4\,x-1)}{(3\,x^2+3\,x+1)\,(3\,x^4-3\,x^2+1)}$$

Sequence: A133335
Score: 10.1044
Type of gen. func.: ogf

$$-(35\,f(x)-18)\,(5\,f(x)\,x^3+3\,x^2-f(x)+2\,x+1)$$

Sequence: A133335
Score: 10.7242
Type of gen. func.: lgdogf

$$-\frac{15\,x^4+20\,x^3+15\,x^2+6\,x+2}{(3\,x^2+2\,x+1)\,(5\,x^3-1)}$$

Sequence: A133335
Score: 11.8825
Type of gen. func.: ogf

$$-\frac{3\,x^2+2\,x+1}{5\,x^3-1}$$

Sequence: A133335
Score: 7.66111
Type of gen. func.: ogf

$$\{a(n+3)-5\,a(n),\ a(0)=1,\ a(1)=2,\ a(2)=3\}$$

Sequence: A133337
Score: 14.4307
Type of gen. func.: ogf

$$-5 f(x) x^3 - x^2 + f(x) - x$$

Sequence: A133337

Score: 15.7135

Type of gen. func.: ogf

$$-\frac{x (x + 1)}{5 x^3 - 1}$$

Sequence: A133337

Score: 22.0141

Type of gen. func.: lgdogf

$$-\frac{10 x^3 + 15 x^2 + 1}{(x + 1) (5 x^3 - 1)}$$

Sequence: A133337

Score: 9.42808

Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n), a(0) = 0, a(1) = 1, a(2) = 1\}$$

Sequence: A133343

Score: 12.5657

Type of gen. func.: ogf

$$\frac{x - 1}{13 x^2 + 2 x - 1}$$

Sequence: A133343

Score: 14.8858

Type of gen. func.: lgdogf

$$-\frac{13 x^2 - 26 x - 1}{(x - 1) (13 x^2 + 2 x - 1)}$$

Sequence: A133343
Score: 6.4225
Type of gen. func.: ogf

$$(238 f(x) - 237) (13 f(x) x^2 + 2 f(x) x - f(x) - x + 1)$$

Sequence: A133343
Score: 6.96414
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 13 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A133345
Score: 12.7673
Type of gen. func.: ogf

$$\frac{x - 1}{14 x^2 + 2 x - 1}$$

Sequence: A133345
Score: 15.1298
Type of gen. func.: lgdogf

$$- \frac{14 x^2 - 28 x - 1}{(x - 1) (14 x^2 + 2 x - 1)}$$

Sequence: A133345
Score: 6.52553
Type of gen. func.: ogf

$$(270 f(x) - 269) (14 f(x) x^2 + 2 f(x) x - f(x) - x + 1)$$

Sequence: A133345
Score: 7.07588

Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 14 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A133348
Score: 4.22148
Type of gen. func.: ogf

$$\{(-n^2 - 20 n - 99) a(n + 1) + (2 n^2 + 28 n + 144) a(n + 2) + (-n^2 - 8 n - 15) a(n + 3), a(0) = 1, a(1) = 32, a(2) = 462\}$$

Sequence: A133348
Score: 7.75159
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^6 + 91 x^5 + 460 x^4 + 868 x^3 + 658 x^2 + 190 x + 16)}{(x - 1) (x^6 + 16 x^5 + 70 x^4 + 112 x^3 + 70 x^2 + 16 x + 1)}$$

Sequence: A133349
Score: 3.83020
Type of gen. func.: ogf

$$\{(-n^2 - 27 n - 180) a(n + 1) + (2 n^2 + 36 n + 240) a(n + 2) + (-n^2 - 9 n - 18) a(n + 3), a(0) = 1, a(1) = 44, a(2) = 891\}$$

Sequence: A133350
Score: 5.49307
Type of gen. func.: ogf

$$\frac{14 x^5 + 273 x^4 + 840 x^3 + 582 x^2 + 82 x + 1}{(x - 1)^8}$$

Sequence: A133350
Score: 8.09630

Type of gen. func.: lgdogf

$$-\frac{2\,(21 x^5 + 581 x^4 + 2646 x^3 + 3006 x^2 + 869 x + 45)}{(x - 1)\,(14 x^5 + 273 x^4 + 840 x^3 + 582 x^2 + 82 x + 1)}$$

Sequence: A133355
Score: 12.2265
Type of gen. func.: lgdogf

$$-\frac{3\,(3 x^4 + 28 x^3 + 63 x^2 + 42 x + 7)}{(x - 1)\,(x^4 + 8 x^3 + 15 x^2 + 8 x + 1)}$$

Sequence: A133355
Score: 4.14638
Type of gen. func.: ogf

$$-\frac{x^4 + 8 x^3 + 15 x^2 + 8 x + 1}{(x - 1)^{13}}$$

Sequence: A133355
Score: 6.27014
Type of gen. func.: ogf

$$\{(n^2 + 18 n + 80)\, a(n + 1) + (-n^2 - 6 n - 8)\, a(n + 2),\ a(0) = 1,\ a(1) = 21\}$$

Sequence: A133356
Score: 13.0361
Type of gen. func.: ogf

$$\frac{x - 1}{16 x^2 + 2 x - 1}$$

Sequence: A133356
Score: 15.4552

Type of gen. func.: lgdogf

$$-\frac{16 x^{2} - 32 x - 1}{(x - 1) (16 x^{2} + 2 x - 1)}$$

Sequence: A133356
Score: 6.66291
Type of gen. func.: ogf

$$(340 f(x) - 339) (16 f(x) x^{2} + 2 f(x) x - f(x) - x + 1)$$

Sequence: A133356
Score: 7.22484
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 16 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A133357
Score: 4.53562
Type of gen. func.: ogf

$$-\frac{(x + 1) (8 x^{7} - 12 x^{6} - 2 x^{5} - 16 x^{4} - 30 x^{3} - 15 x^{2} - 4 x - 1)}{24 x^{8} - 4 x^{7} - 46 x^{6} - 66 x^{5} - 74 x^{4} - 25 x^{3} - 7 x^{2} - 3 x + 1}$$

Sequence: A133368
Score: 15.2507
Type of gen. func.: ogf

$$-\frac{3 x^{4} + 7 x^{3} + 3 x^{2} + x + 1}{(x - 1) (x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A133368
Score: 9.63047
Type of gen. func.: lgdogf

$$-\frac{3x^8+14x^7+9x^6+4x^5+5x^4+12x^3+21x^2+6x+1}{(x-1)(x^4+x^3+x^2+x+1)(3x^4+7x^3+3x^2+x+1)}$$

Sequence: A133379
Score: 4.14709
Type of gen. func.: ogf

$$(4497674768 f(x) + 2581903)$$

$$(160264 f(x) x^3 + 80136 f(x) x^2 - 49 f(x) x + 50 x^2 - f(x) + x)$$

Sequence: A133379
Score: 4.55838
Type of gen. func.: ogf

$\{a(n + 3) + 49 a(n + 2) - 80136 a(n + 1) - 160264 a(n), a(0) = 0, a(1) = 1,$

$a(2) = 1\}$

Sequence: A133379
Score: 7.23171
Type of gen. func.: lgdogf

$$-\frac{16026400 x^3 + 4487592 x^2 + 160272 x + 1}{(50 x + 1)(160264 x^3 + 80136 x^2 - 49 x - 1)}$$

Sequence: A133379
Score: 8.11124
Type of gen. func.: ogf

$$-\frac{x (50 x + 1)}{160264 x^3 + 80136 x^2 - 49 x - 1}$$

Sequence: A133381
Score: 3.30003
Type of gen. func.: ogf

$$-(339736673907143 f(x) - 3984125091726) (3149685 f(x) x^3 + 88636 f(x) x^2 + 2835 x^3 - 1037 f(x) x - 1032 x^2 - f(x) - x)$$

Sequence: A133381
Score: 3.65678
Type of gen. func.: ogf

$$\{a(n + 4) + 1037 a(n + 3) - 88636 a(n + 2) - 3149685 a(n + 1), a(0) = 0, a(1) = -1, a(2) = 5, a(3) = -90986\}$$

Sequence: A133381
Score: 6.44290
Type of gen. func.: ogf

$$-\frac{x (2835 x^2 - 1032 x - 1)}{3149685 x^3 + 88636 x^2 - 1037 x - 1}$$

Sequence: A133383
Score: 4.20712
Type of gen. func.: ogf

$$(108999 f(x) + 117811) (100 f(x) x^2 - 101 f(x) x + f(x) - 89 x - 10)$$

Sequence: A133383
Score: 4.72133
Type of gen. func.: ogf

$$\{-a(n + 2) + 101 a(n + 1) - 100 a(n), a(0) = 10, a(1) = 1099\}$$

Sequence: A133383
Score: 7.41036
Type of gen. func.: revogf

$$-\frac{-10 - 101 x + (9801 x^2 + 2376 x + 100)^{1/2}}{2 (-89 + 100 x)}$$

Sequence: A133383
Score: 8.29960
Type of gen. func.: lgdogf

$$-\frac{8900 x^{2} + 2000 x - 1099}{(x - 1) (89 x + 10) (100 x - 1)}$$

Sequence: A133383
Score: 8.33176
Type of gen. func.: ogf

$$\frac{89 x + 10}{(100 x - 1) (x - 1)}$$

Sequence: A133384
Score: 10.9859
Type of gen. func.: ogf

$$-\frac{6 (5 x - 2)}{(10 x - 1) (x - 1)}$$

Sequence: A133384
Score: 11.4560
Type of gen. func.: revogf

$$-\frac{-12 - 11 x + 3 (9 x^{2} + 16 x + 16)^{1/2}}{20 (x + 3)}$$

Sequence: A133384
Score: 13.1744
Type of gen. func.: lgdogf

$$-\frac{50 x^{2} - 40 x + 17}{(x - 1) (5 x - 2) (10 x - 1)}$$

Sequence: A133384
Score: 5.66643
Type of gen. func.: ogf

$$-(49 f(x) - 10) (10 f(x) x^{2} - 11 f(x) x + f(x) + 30 x - 12)$$

Sequence: A133384
Score: 6.18747
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 12, a(1) = 102\}$$

Sequence: A133386
Score: 4.56969
Type of gen. func.: ogf

$$- \frac{2 x^{4} (85 x^{4} - 180 x^{3} + 141 x^{2} - 48 x + 6)}{(x - 1)^{3} (3 x - 1)^{3} (2 x - 1)^{3}}$$

Sequence: A133386
Score: 6.89685
Type of gen. func.: lgdogf

$$- \frac{2 (5 x - 2) (255 x^{5} - 733 x^{4} + 842 x^{3} - 480 x^{2} + 135 x - 15)}{(x - 1) (3 x - 1) (2 x - 1) (85 x^{4} - 180 x^{3} + 141 x^{2} - 48 x + 6)}$$

Sequence: A133390
Score: 8.07319
Type of gen. func.: ogf

$$- \frac{8 x^{9} - 3 x^{7} - x^{6} + 3 x^{5} - 5 x^{3} + 3 x^{2} + 3 x + 1}{(x - 1) (x + 1) (x^{2} - x + 1) (x^{6} - x^{3} + 1)}$$

Sequence: A133394
Score: 15.4322

Type of gen. func.: ogf

$$-\frac{x\,(5\,x^{3}+2)}{x^{5}+x^{2}-1}$$

Sequence: A133394
Score: 17.6088
Type of gen. func.: lgdogf

$$-\frac{x\,(10\,x^{6}+5\,x^{3}+15\,x+4)}{(5\,x^{3}+2)\,(x^{5}+x^{2}-1)}$$

Sequence: A133398
Score: 8.08622
Type of gen. func.: ogf

$$-(x^{2}-x+1)\,(x^{27}-x^{25}-x^{24}+x^{22}+x^{21}-x^{19}-x^{18}+x^{16}+x^{15}-x^{13}-x^{12}+x^{10}+x^{9}-x^{7}-x^{6}+2\,x^{4}+x^{3}-x^{2}-x-1)\;/\;(x-1)^{2}$$

Sequence: A133405
Score: 19.0963
Type of gen. func.: ogf

$$-\frac{x^{3}}{(3\,x-1)\,(x+1)\,(x^{2}-x+1)}$$

Sequence: A133405
Score: 19.4879
Type of gen. func.: lgdogf

$$-\frac{3\,(4\,x^{3}-x^{2}+1)}{(3\,x-1)\,(x+1)\,(x^{2}-x+1)}$$

Sequence: A133405
Score: 9.66604
Type of gen. func.: ogf

$$-3 f(x) x^4 + f(x) x^3 - x^3 - 3 f(x) x + f(x)$$

Sequence: A133407
Score: 14.5749
Type of gen. func.: ogf

$$-\frac{x + 1}{5 x^2 + x - 1}$$

Sequence: A133407
Score: 16.4792
Type of gen. func.: revogf

$$\frac{-1 - x + (21 x^2 + 6 x + 1)^{1/2}}{2 (5 x + 1)}$$

Sequence: A133407
Score: 19.4754
Type of gen. func.: lgdogf

$$-\frac{5 x^2 + 10 x + 2}{(x + 1) (5 x^2 + x - 1)}$$

Sequence: A133407
Score: 7.53875
Type of gen. func.: ogf

$$(69 f(x) - 53) (5 f(x) x^2 + f(x) x - f(x) + x + 1)$$

Sequence: A133407

Score: 7.99844
Type of gen. func.: ogf

$$\{-a(n+2) + a(n+1) + 5\, a(n),\ a(0) = 1,\ a(1) = 2\}$$

Sequence: A133408
Score: 11.0795
Type of gen. func.: lgdogf

$$\frac{2\,(108\,x^{7} + 52\,x^{6} - 69\,x^{5} + 1)}{(2\,x - 1)\,(18\,x^{7} + 23\,x^{6} - 1)}$$

Sequence: A133408
Score: 15.1277
Type of gen. func.: ogf

$$\frac{x\,(18\,x^{7} + 23\,x^{6} - 1)}{2\,x - 1}$$

Sequence: A133409
Score: 10.1096
Type of gen. func.: lgdogf

$$-\frac{15\,x^{4} - 16\,x^{3} + 3\,x^{2} + 6\,x - 4}{(x - 1)\,(3\,x - 1)\,(x + 1)\,(x^{2} - x + 1)}$$

Sequence: A133409
Score: 10.4643
Type of gen. func.: ogf

$$\frac{x^{4}}{(x - 1)\,(3\,x - 1)\,(x + 1)\,(x^{2} - x + 1)}$$

Sequence: A133409
Score: 5.09799

Type of gen. func.: ogf

$$-3 f(x) x^5 + 4 f(x) x^4 - f(x) x^3 + x^4 - 3 f(x) x^2 + 4 f(x) x - f(x)$$

Sequence: A133415
Score: 6.62214
Type of gen. func.: lgdogf

$$-\frac{2 (3000 x^6 + 5475 x^5 - 110820 x^4 + 41046 x^3 + 3913 x^2 - 1444 x + 70)}{(16 x - 1) (x^2 - 7 x + 1) (5 x^2 + 26 x + 3) (25 x^2 - 15 x + 1)}$$

Sequence: A133415
Score: 7.60915
Type of gen. func.: ogf

$$-\frac{4 x^2 (5 x^2 + 26 x + 3)}{(16 x - 1) (25 x^2 - 15 x + 1) (x^2 - 7 x + 1)}$$

Sequence: A133416
Score: 6.06762
Type of gen. func.: lgdogf

$$-\frac{102000 x^6 - 436250 x^5 - 291025 x^4 + 230056 x^3 - 21971 x^2 - 796 x + 91}{(16 x - 1) (x^2 - 7 x + 1) (85 x^2 + 53 x + 1) (25 x^2 - 15 x + 1)}$$

Sequence: A133416
Score: 7.36705
Type of gen. func.: ogf

$$-\frac{x^2 (85 x^2 + 53 x + 1)}{(16 x - 1) (25 x^2 - 15 x + 1) (x^2 - 7 x + 1)}$$

Sequence: A133417

Score: 13.1290
Type of gen. func.: ogf

$$-\frac{2\,(4\,x^{2}+x-1)}{(x+1)\,(x^{2}-6\,x+1)}$$

Sequence: A133417
Score: 14.5955
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^{4}+x^{3}+6\,x^{2}+x+2)}{(x+1)\,(x^{2}-6\,x+1)\,(4\,x^{2}+x-1)}$$

Sequence: A133417
Score: 6.73
Type of gen. func.: ogf

$$-(214\,f(x)-395)\,(f(x)\,x^{3}-5\,f(x)\,x^{2}-5\,f(x)\,x+8\,x^{2}+f(x)+2\,x-2)$$

Sequence: A133417
Score: 7.08734
Type of gen. func.: ogf

$$\{a(n+3)-5\,a(n+2)-5\,a(n+1)+a(n),\ a(0)=2,\ a(1)=8,\ a(2)=42\}$$

Sequence: A133419
Score: 7.27343
Type of gen. func.: ogf

$$\frac{4\,x^{10}+x^{9}+x^{8}+2\,x^{7}+24\,x^{6}+3\,x^{5}+26\,x^{4}+2\,x^{3}+x^{2}+x+6}{(x-1)^{2}\,(x+1)^{2}\,(x^{2}+x+1)^{2}\,(x^{2}-x+1)^{2}}$$

Sequence: A133443
Score: 10.6145
Type of gen. func.: lgdogf

$$\frac{2\left(1 - 20 x^{2} + 8 x + 2 (-(2 x - 1) (2 x + 1))^{1/2}\right)}{(10 x - 3) (2 x - 1) (2 x + 1)}$$

Sequence: A133443
Score: 15.0373
Type of gen. func.: revogf

$$\frac{(-1 - 2 x + 2 (16 x^{2} + 4 x + 1)^{1/2}) x}{20 x^{2} + 4 x + 1}$$

Sequence: A133443
Score: 3.60280
Type of gen. func.: ogf

$$\{(40 n + 80) a(n + 1) + (-12 n - 44) a(n + 2) + (-10 n - 34) a(n + 3)$$
$$+ (3 n + 12) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 8, a(3) = 24\}$$

Sequence: A133443
Score: 7.98882
Type of gen. func.: ogf

$$20 f(x)^{2} x^{2} + 4 f(x)^{2} x - 3 f(x)^{2} + 4 f(x) x + 2 f(x) + 1$$

Sequence: A133444
Score: 13.8040
Type of gen. func.: revogf

$$\frac{(-3 - 9 x + 5 (25 x^{2} + 6 x + 1)^{1/2}) x}{2 (34 x^{2} + 6 x + 1)}$$

Sequence: A133444
Score: 3.54702
Type of gen. func.: ogf

$$\{(68 n + 136) a(n + 1) + (-16 n - 66) a(n + 2) + (-17 n - 60) a(n + 3)$$

$+ (4 n + 16) a(n + 4), a(0) = 1, a(1) = 3, a(2) = 14, a(3) = 57\}$

Sequence: A133444
Score: 7.94223
Type of gen. func.: ogf

$$34 f(x)^2 x^2 + 9 f(x)^2 x - 4 f(x)^2 + 6 f(x) x + 3 f(x) + 1$$

Sequence: A133444
Score: 9.70014
Type of gen. func.: lgdogf

$$\frac{-136 x^2 + 50 x + 9 + 15 (-(2 x - 1) (2 x + 1))^{1/2}}{2 (17 x - 4) (2 x - 1) (2 x + 1)}$$

Sequence: A133448
Score: 11.1556
Type of gen. func.: ogf

$$- \frac{3 x^3 - 2 x^2 - x + 2}{(3 x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A133448
Score: 6.06094
Type of gen. func.: ogf

$$(29057 f(x) + 12141)$$

$$(3 f(x) x^4 - f(x) x^3 + 3 x^3 + 3 f(x) x - 2 x^2 - f(x) - x + 2)$$

Sequence: A133453
Score: 5.06258
Type of gen. func.: ogf

$$-(47068 f(x) - 7839)$$

$$(3 f(x) x^4 - f(x) x^3 + 3 x^3 + 3 f(x) x + x^2 - f(x) - 2 x + 2)$$

Sequence: A133453
Score: 9.53820
Type of gen. func.: ogf

$$-\frac{3x^3+x^2-2x+2}{(3x-1)(x+1)(x^2-x+1)}$$

Sequence: A133455
Score: 7.1107
Type of gen. func.: ogf

$$-(20 f(x) - 89) (2 f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 7 x^2 - f(x) - 10 x + 4)$$

Sequence: A133456
Score: 4.87542
Type of gen. func.: ogf

$$\frac{7x^8-3x^6-x^5+3x^4-5x^2+3x+3}{(x+1)(x^2-x+1)(x^6-x^3+1)}$$

Sequence: A133462
Score: 10.2711
Type of gen. func.: lgdogf

$$-\frac{130x^3-90x^2+15x-1}{(x-1)(10x-1)(13x^2-11x+1)}$$

Sequence: A133462
Score: 4.89303
Type of gen. func.: ogf

$$(137 f(x) - 221)$$

$$(10 f(x) x^3 - 21 f(x) x^2 + 12 f(x) x + 13 x^2 - f(x) - 11 x + 1)$$

Sequence: A133462
Score: 5.10577
Type of gen. func.: ogf

$$\{a(n + 3) - 12 a(n + 2) + 21 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 1, a(2) = 4\}$$

Sequence: A133462
Score: 8.89641
Type of gen. func.: ogf

$$-\frac{13 x^2 - 11 x + 1}{(10 x - 1) (x - 1)^2}$$

Sequence: A133463
Score: 10.4292
Type of gen. func.: lgdogf

$$-\frac{15 x^6 + 24 x^5 + 27 x^4 + 24 x^3 + 15 x^2 + 8 x + 3}{(3 x^4 - 1) (5 x^3 + 4 x^2 + 3 x + 2)}$$

Sequence: A133463
Score: 13.6238
Type of gen. func.: ogf

$$-\frac{5 x^3 + 4 x^2 + 3 x + 2}{3 x^4 - 1}$$

Sequence: A133463
Score: 8.82453
Type of gen. func.: ogf

$$\{-a(n + 4) + 3 a(n), a(0) = 2, a(1) = 3, a(2) = 4, a(3) = 5\}$$

Sequence: A133463
Score: 9.24475
Type of gen. func.: ogf

$$(12 f(x) - 1) (3 f(x) x^4 + 5 x^3 + 4 x^2 - f(x) + 3 x + 2)$$

Sequence: A133464
Score: 14.0607
Type of gen. func.: lgdogf

$$- \frac{2 (6 x^4 + 8 x^3 + 6 x^2 + 3 x + 1)}{(3 x^2 + 2 x + 1) (4 x^3 - 1)}$$

Sequence: A133464
Score: 14.0699
Type of gen. func.: ogf

$$4 f(x) x^3 + 3 x^2 - f(x) + 2 x + 1$$

Sequence: A133464
Score: 15.2185
Type of gen. func.: ogf

$$- \frac{3 x^2 + 2 x + 1}{4 x^3 - 1}$$

Sequence: A133464
Score: 9.81192
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n), a(0) = 1, a(1) = 2, a(2) = 3\}$$

Sequence: A133467
Score: 14.1184
Type of gen. func.: ogf

$$-\frac{x + 1}{(2 x + 1) (3 x - 1)}$$

Sequence: A133467
Score: 15.9563
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^2 + 6 x + 1)}{(3 x - 1) (2 x + 1) (x + 1)}$$

Sequence: A133467
Score: 15.9563
Type of gen. func.: revogf

$$\frac{-1 - x + (25 x^2 + 6 x + 1)^{1/2}}{2 (1 + 6 x)}$$

Sequence: A133467
Score: 7.38754
Type of gen. func.: ogf

$$(11 f(x) - 9) (6 f(x) x^2 + f(x) x - f(x) + x + 1)$$

Sequence: A133467
Score: 7.74793
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 6 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A133469
Score: 14.4080
Type of gen. func.: ogf

$$-\frac{x + 1}{7 x^2 + x - 1}$$

Sequence: A133469
Score: 16.2905
Type of gen. func.: revogf

$$\frac{-1 - x + (29 x^2 + 6 x + 1)^{1/2}}{2 (1 + 7 x)}$$

Sequence: A133469
Score: 19.2524
Type of gen. func.: lgdogf

$$-\frac{7 x^2 + 14 x + 2}{(x + 1) (7 x^2 + x - 1)}$$

Sequence: A133469
Score: 7.36774
Type of gen. func.: ogf

$$(109 f(x) - 93) (7 f(x) x^2 + f(x) x - f(x) + x + 1)$$

Sequence: A133469
Score: 7.90685
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 7 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A133471
Score: 5.57263
Type of gen. func.: ogf

$$\{-a(n + 1) + (-n^2 - 6 n - 9) a(n + 2) + a(n + 3), a(0) = 0, a(1) = 1, a(2) = 4\}$$

Sequence: A133472
Score: 11.5615
Type of gen. func.: ogf

$$-\frac{3\,(17\,x-2)}{(10\,x-1)\,(x-1)}$$

Sequence: A133472
Score: 11.8128
Type of gen. func.: revogf

$$-\frac{-6-11\,x+3\,(9\,x^{2}-8\,x+4)^{1/2}}{2\,(51+10\,x)}$$

Sequence: A133472
Score: 13.2534
Type of gen. func.: lgdogf

$$-\frac{5\,(34\,x^{2}-8\,x+1)}{(x-1)\,(17\,x-2)\,(10\,x-1)}$$

Sequence: A133472
Score: 5.84159
Type of gen. func.: ogf

$$-(26\,f(x)-131)\,(10\,f(x)\,x^{2}-11\,f(x)\,x+f(x)+51\,x-6)$$

Sequence: A133472
Score: 6.52884
Type of gen. func.: ogf

$$\{a(n+2)-11\,a(n+1)+10\,a(n),\ a(0)=6,\ a(1)=15\}$$

Sequence: A133473
Score: 11.9004
Type of gen. func.: ogf

$$-\frac{17\,x-2}{(10\,x-1)\,(x-1)}$$

Sequence: A133473
Score: 12.1618
Type of gen. func.: revogf

$$-\frac{-2 - 11 x + (81 x^2 - 24 x + 4)^{1/2}}{2 (17 + 10 x)}$$

Sequence: A133473
Score: 13.6450
Type of gen. func.: lgdogf

$$-\frac{5 (34 x^2 - 8 x + 1)}{(x - 1) (17 x - 2) (10 x - 1)}$$

Sequence: A133473
Score: 6.01285
Type of gen. func.: ogf

$$-(78 f(x) - 131) (10 f(x) x^2 - 11 f(x) x + f(x) + 17 x - 2)$$

Sequence: A133473
Score: 6.80025
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 2, a(1) = 5\}$$

Sequence: A133474
Score: 14.3430
Type of gen. func.: ogf

$$-\frac{x^3}{(3 x - 1) (3 x^2 - 3 x + 1)}$$

Sequence: A133474
Score: 17.2748
Type of gen. func.: lgdogf

$$-\frac{3\,(9x^2-8x+2)}{(3x-1)\,(3x^2-3x+1)}$$

Sequence: A133474
Score: 5.07520
Type of gen. func.: ogf

$\{-a(n+4)+6\,a(n+3)-12\,a(n+2)+9\,a(n+1),\ a(0)=0,\ a(1)=0,$

$a(2)=0,\ a(3)=1\}$

Sequence: A133474
Score: 6.59776
Type of gen. func.: ogf

$$-f(x)\,(9\,f(x)\,x^3-12\,f(x)\,x^2+x^3+6\,f(x)\,x-f(x))$$

Sequence: A133476
Score: 10.4639
Type of gen. func.: lgdogf

$$-\frac{4x^5-15x^4+20x^3-20x^2+10x-2}{(x-1)\,(2x-1)\,(x^4-2x^3+4x^2-3x+1)}$$

Sequence: A133476
Score: 8.74221
Type of gen. func.: ogf

$$\frac{x\,(x-1)^3}{(2x-1)\,(x^4-2x^3+4x^2-3x+1)}$$

Sequence: A133479
Score: 14.1631
Type of gen. func.: ogf

$$-\frac{x + 1}{8 x^2 + x - 1}$$

Sequence: A133479
Score: 16.0119
Type of gen. func.: revogf

$$\frac{-1 - x + (33 x^2 + 6 x + 1)^{1/2}}{2 (1 + 8 x)}$$

Sequence: A133479
Score: 18.3666
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^2 + 8 x + 1)}{(x + 1) (8 x^2 + x - 1)}$$

Sequence: A133479
Score: 7.32572
Type of gen. func.: ogf

$$(33 f(x) - 29) (8 f(x) x^2 + f(x) x - f(x) + x + 1)$$

Sequence: A133479
Score: 7.77241
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 8 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A133480
Score: 10.0148
Type of gen. func.: revegf]

$$\frac{x (x^2 + 3 x + 3)}{3}$$

Sequence: A133480
Score: 12.0305
Type of gen. func.: egf]

$$9 f(x)^3 x^2 + 6 f(x)^3 x + f(x)^3 - 1$$

Sequence: A133480
Score: 17.0251
Type of gen. func.: lgdegf]

$$-\frac{2}{3 x + 1}$$

Sequence: A133494
Score: 10.6163
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 1\}$$

Sequence: A133494
Score: 16.9861
Type of gen. func.: ogf

$$-3 f(x) x + f(x) + 2 x - 1$$

Sequence: A133494
Score: 20.6588
Type of gen. func.: ogf

$$\frac{2 x - 1}{3 x - 1}$$

Sequence: A133494
Score: 22.7548
Type of gen. func.: revogf

$$3 x \quad (9 x^2 - 2 x + 1)^{1/2}$$

```
                        1/4 + --- - -------------------
                               4             4



------------------------------------------------------------------------------

Sequence:  A133494
Score: 41.7171
Type of gen. func.: lgdogf


                                       1
                              -------------------
                              (3 x - 1) (2 x - 1)



------------------------------------------------------------------------------

Sequence:  A133496
Score: 11.7608
Type of gen. func.: ogf


                                  841 x (x + 1)
                                - -------------
                                           3
                                    (x - 1)



------------------------------------------------------------------------------

Sequence:  A133496
Score: 33.8493
Type of gen. func.: ogf_with_Euler_transform]


                                    [4 - x]



------------------------------------------------------------------------------

Sequence:  A133496
Score: 6.18455
Type of gen. func.: ogf


 {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 841, a(2) = 3364}



------------------------------------------------------------------------------

Sequence:  A133496
Score: 6.34874
Type of gen. func.: ogf


                          3           2                   2
    (4 f(x) + 841) (f(x) x  - 3 f(x) x  + 3 f(x) x + 841 x  - f(x) + 841 x)



------------------------------------------------------------------------------

Sequence:  A133499
Score: 10.9538
Type of gen. func.: lgdogf
```

$$-\frac{4\,(3\,x^4+38\,x^3+108\,x^2+78\,x+13)}{(x-1)\,(3\,x^4+28\,x^3+58\,x^2+28\,x+3)}$$

Sequence: A133499
Score: 5.25491
Type of gen. func.: ogf

$$\frac{42\,x^2\,(3\,x^4+28\,x^3+58\,x^2+28\,x+3)}{(x-1)^8}$$

Sequence: A133510
Score: 4.72653
Type of gen. func.: ogf

$$-(38\,f(x)+3)\,\left(6\,f(x)\,x^4-5\,f(x)\,x^3-5\,f(x)\,x^2+3\,x^3+5\,f(x)\,x+2\,x^2-f(x)-5\,x+2\right)$$

Sequence: A133510
Score: 7.15365
Type of gen. func.: lgdogf

$$-\frac{18\,x^6+24\,x^5-85\,x^4+68\,x^3-6\,x^2-16\,x+5}{(x-1)\,(3\,x-1)\,(2\,x-1)\,(x+1)\,(3\,x^3+2\,x^2-5\,x+2)}$$

Sequence: A133510
Score: 8.71648
Type of gen. func.: ogf

$$-\frac{3\,x^3+2\,x^2-5\,x+2}{(x-1)\,(3\,x-1)\,(2\,x-1)\,(x+1)}$$

Sequence: A133511
Score: 13.3190
Type of gen. func.: ogf

$$-\frac{x^2 (3 x - 1)}{(x + 1) (2 x - 1) (x^2 - x + 1)}$$

Sequence: A133511
Score: 14.4437
Type of gen. func.: lgdogf

$$-\frac{18 x^4 - 14 x^3 + 3 x^2 + 1}{(3 x - 1) (2 x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A133511
Score: 9.12873
Type of gen. func.: ogf

$$-2 f(x) x^4 + f(x) x^3 - 3 x^3 - 2 f(x) x + x^2 + f(x)$$

Sequence: A133513
Score: 10.8396
Type of gen. func.: lgdogf

$$-\frac{3 (x - 1) (2 x^2 + x + 1)}{(3 x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A133513
Score: 11.8254
Type of gen. func.: ogf

$$-f(x) x^3 - 3 x^2 - f(x) + x$$

Sequence: A133513

Score: 12.8765
Type of gen. func.: ogf

$$-\frac{x (3 x - 1)}{(x + 1) (x^2 - x + 1)}$$

Sequence: A133513
Score: 7.72589
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n), a(0) = 0, a(1) = 1, a(2) = -3\}$$

Sequence: A133523
Score: 4.13125
Type of gen. func.: ogf

$$- (x^{14} + x^{13} + x^{12} - x^{10} - 2 x^9 - 4 x^8 - 3 x^7 - 3 x^6 + x^5 + 2 x^4 + 2 x^3 + 2 x^2 + x + 1) / ((x - 1) (x^2 + x + 1) (x^{12} - x^7 - 2 x^6 - x^4 - x + 1))$$

Sequence: A133546
Score: 11.5450
Type of gen. func.: lgdogf

$$-\frac{2 x^4 - x^3 + 9 x^2 - 12 x + 4}{(x - 1) (2 x - 1) (x^3 - x^2 + 2 x - 1)}$$

Sequence: A133546
Score: 4.61531
Type of gen. func.: ogf

$$(52 f(x) + 2415)$$

$$(4 f(x) x^4 - 12 f(x) x^3 + 13 f(x) x^2 + x^3 - 6 f(x) x - x^2 + f(x) + 2 x - 1)$$

Sequence: A133546
Score: 8.35432

Type of gen. func.: ogf

$$-\frac{x^3 - x^2 + 2x - 1}{(2x-1)^2 (x-1)^2}$$

Sequence: A133552
Score: 3.65789
Type of gen. func.: ogf

$$-(x^{14} + x^{13} - x^{11} - x^{10} - 2x^8 - 3x^7 - 2x^6 + 2x^5 + 2x^4 + x^3 + x^2 + x + 1) \Big/ (x^{15} - x^{12} - 2x^9 - 2x^8 + 2x^6 + x^5 + x^3 + x^2 + x - 1)$$

Sequence: A133558
Score: 14.5923
Type of gen. func.: ogf

$$-\frac{x+1}{9x^2 + x - 1}$$

Sequence: A133558
Score: 16.5071
Type of gen. func.: revogf

$$\frac{-1 - x + (37x^2 + 6x + 1)^{1/2}}{2(9x+1)}$$

Sequence: A133558
Score: 19.5084
Type of gen. func.: lgdogf

$$-\frac{9x^2 + 18x + 2}{(x+1)(9x^2 + x - 1)}$$

Sequence: A133558
Score: 7.3781
Type of gen. func.: ogf

$$(157 f(x) - 141) (9 f(x) x^2 + f(x) x - f(x) + x + 1)$$

Sequence: A133558
Score: 8.00795
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 9 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A133563
Score: 14.4148
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^8 - x^6 - x^2 - 1}{x^{10} - 1}$$

Sequence: A133570
Score: 11.9091
Type of gen. func.: ogf

$$- \frac{x^5 - 5 x^4 + 3 x^3 - 8 x^2 + 4 x - 3}{(x^2 + 1)^2}$$

Sequence: A133570
Score: 19.3018
Type of gen. func.: lgdogf

$$\frac{(x^3 + 3 x - 2) (x^3 - x - 2)}{(x^2 + 1) (x^5 - 5 x^4 + 3 x^3 - 8 x^2 + 4 x - 3)}$$

Sequence: A133572
Score: 14.7824

Type of gen. func.: ogf

$$-\frac{2x^2+4x+1}{(2x-1)(2x+1)}$$

Sequence: A133572
Score: 8.62310
Type of gen. func.: ogf

$$\{a(n+3)-4\,a(n+1),\ a(0)=1,\ a(1)=4,\ a(2)=6\}$$

Sequence: A133572
Score: 8.94245
Type of gen. func.: ogf

$$-(75\,f(x)+53)\,(4\,f(x)\,x^2+2\,x^2-f(x)+4\,x+1)$$

Sequence: A133573
Score: 7.29833
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^9-x^8+2x^7-x^6+2x^5+2x^3-x^2+2x-1}{-x^{10}+1}$$

Sequence: A133577
Score: 13.3340
Type of gen. func.: ogf

$$-\frac{x+1}{10x^2+x-1}$$

Sequence: A133577
Score: 15.0163
Type of gen. func.: revogf

$$-1-x+(41x^2+6x+1)^{1/2}$$

$$\overline{2 (10 x + 1)}$$

Sequence: A133577
Score: 16.6848
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^2 + 10 x + 1)}{(x + 1) (10 x^2 + x - 1)}$$

Sequence: A133577
Score: 6.97005
Type of gen. func.: ogf

$$(23 f(x) - 21) (10 f(x) x^2 + f(x) x - f(x) + x + 1)$$

Sequence: A133577
Score: 7.38993
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 10 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A133585
Score: 6.09827
Type of gen. func.: ogf

$$-(20 f(x) - 1) (f(x) x^4 + x^4 - 3 f(x) x^2 + x^3 - x^2 + f(x) - 2 x - 1)$$

Sequence: A133585
Score: 9.52333
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^3 - x - 1)}{(x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A133586
Score: 16.5234
Type of gen. func.: ogf

$$\frac{2 x + 1}{(x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A133586
Score: 8.89722
Type of gen. func.: ogf

$$-(10 f(x) - 13) (f(x) x^4 - 3 f(x) x^2 + f(x) - 2 x - 1)$$

Sequence: A133592
Score: 13.4667
Type of gen. func.: ogf

$$\frac{2 x^2 - 1}{6 x^2 + 2 x - 1}$$

Sequence: A133592
Score: 6.46931
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 6 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 8\}$$

Sequence: A133592
Score: 7.33188
Type of gen. func.: ogf

$$(11 f(x) - 8) (6 f(x) x^2 + 2 f(x) x - 2 x^2 - f(x) + 1)$$

Sequence: A133594
Score: 12.3023
Type of gen. func.: ogf

2

$$\frac{3 x - 1}{12 x^2 + 3 x - 1}$$

Sequence: A133594
Score: 15.0688
Type of gen. func.: lgdogf

$$\frac{3 (3 x^2 + 6 x + 1)}{(12 x^2 + 3 x - 1) (3 x^2 - 1)}$$

Sequence: A133594
Score: 5.91459
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + 12 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 18\}$$

Sequence: A133594
Score: 6.83464
Type of gen. func.: ogf

$$(4 f(x) - 3) (12 f(x) x^2 + 3 f(x) x - 3 x^2 - f(x) + 1)$$

Sequence: A133600
Score: 14.0163
Type of gen. func.: ogf

$$- \frac{(x + 1) (3 x + 1)}{(2 x - 1) (2 x + 1)}$$

Sequence: A133600
Score: 14.6318
Type of gen. func.: lgdogf

$$- \frac{2 (8 x^2 + 7 x + 2)}{(2 x + 1) (2 x - 1) (3 x + 1) (x + 1)}$$

Sequence: A133600
Score: 8.17617
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 1), a(0) = 1, a(1) = 4, a(2) = 7\}$$

Sequence: A133600
Score: 9.1573
Type of gen. func.: ogf

$$(7 f(x) + 1) (4 f(x) x^2 + 3 x^2 - f(x) + 4 x + 1)$$

Sequence: A133622
Score: 14.5657
Type of gen. func.: ogf

$$-\frac{x^3 + x^2 - 2 x - 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A133622
Score: 17.5266
Type of gen. func.: lgdogf

$$-\frac{x^4 + 2 x^3 - 3 x^2 - 2 x - 2}{(x - 1) (x + 1) (x^3 + x^2 - 2 x - 1)}$$

Sequence: A133622
Score: 5.00938
Type of gen. func.: ogf

$$\{(n + 2) a(n + 1) + (-2 n - 12) a(n + 2) - a(n + 3) n + (2 n + 8) a(n + 4),$$

$$a(0) = 1, a(1) = 2, a(2) = 1, a(3) = 3\}$$

Sequence: A133622
Score: 9.28208

Type of gen. func.: ogf

$$(2 f(x) + 21) (f(x) x^4 - 2 f(x) x^2 + x^3 + x^2 + f(x) - 2 x - 1)$$

Sequence: A133623
Score: 4.88398
Type of gen. func.: ogf

$$- x^2 (6 x^{11} + 12 x^{10} + 6 x^9 - 12 x^8 - 22 x^7 - 7 x^6 + 11 x^5 + 12 x^4 - x^3 - 9 x^2 - 7 x - 2) / ((x^2 + x + 1)^2 (x - 1)^2 (x + 1)^2)$$

Sequence: A133628
Score: 12.9585
Type of gen. func.: ogf

$$\frac{3 x + 1}{(2 x - 1) (2 x + 1) (x - 1)}$$

Sequence: A133628
Score: 14.3205
Type of gen. func.: lgdogf

$$- \frac{4 (6 x^3 - 2 x - 1)}{(x - 1) (2 x + 1) (2 x - 1) (3 x + 1)}$$

Sequence: A133628
Score: 6.13212
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 4 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 4, a(2) = 8\}$$

Sequence: A133628
Score: 6.41867
Type of gen. func.: ogf

$$-(3 f(x) + 7) (4 f(x) x^3 - 4 f(x) x^2 - f(x) x + f(x) - 3 x - 1)$$

Sequence: A133629
Score: 14.5135
Type of gen. func.: ogf

$$\frac{4 x + 1}{(x - 1) (5 x^2 - 1)}$$

Sequence: A133629
Score: 14.6665
Type of gen. func.: lgdogf

$$- \frac{5 (8 x^3 - x^2 - 2 x - 1)}{(x - 1) (4 x + 1) (5 x^2 - 1)}$$

Sequence: A133629
Score: 6.80720
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 5 a(n + 1) - 5 a(n), a(0) = 1, a(1) = 5, a(2) = 10\}$$

Sequence: A133629
Score: 7.057
Type of gen. func.: ogf

$$-(27 f(x) + 53) (5 f(x) x^3 - 5 f(x) x^2 - f(x) x + f(x) - 4 x - 1)$$

Sequence: A133631
Score: 11.4885
Type of gen. func.: ogf

$$-4 f(x) x^2 + f(x) x - f(x) + x + 1$$

Sequence: A133631
Score: 16.0840

Type of gen. func.: ogf

$$\frac{x + 1}{4 x^2 - x + 1}$$

Sequence: A133631
Score: 19.2308
Type of gen. func.: revogf

$$- \frac{-1 - x + (-15 x^2 + 6 x + 1)^{1/2}}{2 (4 x - 1)}$$

Sequence: A133631
Score: 21.9781
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^2 + 4 x - 1)}{(x + 1) (4 x^2 - x + 1)}$$

Sequence: A133631
Score: 8.82656
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) + 4 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A133632
Score: 10.3559
Type of gen. func.: ogf

$$(5 f(x) + 3) (5 f(x) x^2 - f(x) + 4 x + 1)$$

Sequence: A133632
Score: 10.8413
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A133632
Score: 16.9230
Type of gen. func.: ogf

$$-\frac{4x+1}{5x^2-1}$$

Sequence: A133632
Score: 17.9011
Type of gen. func.: revogf

$$\frac{-1+(20x^2+16x+1)^{1/2}}{2(5x+4)}$$

Sequence: A133632
Score: 19.4354
Type of gen. func.: lgdogf

$$-\frac{2(10x^2+5x+2)}{(4x+1)(5x^2-1)}$$

Sequence: A133637
Score: 8.01466
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^7+x^6-2x^4-x^3+2x^2-1}{-x^8-x^4-1}$$

Sequence: A133641
Score: 5.8617
Type of gen. func.: ogf

$$-(5f(x)-18)(f(x)x^4-f(x)x^3+2x^4-2f(x)x^2+x^3+3f(x)x-5x^2$$

$$-f(x)+2x+1)$$

Sequence: A133642
Score: 7.62681
Type of gen. func.: ogf

$$(21 f(x) - 16) (20 f(x) x^2 + 4 f(x) x - 4 x^2 - f(x) + 1)$$

Sequence: A133646
Score: 12.3424
Type of gen. func.: ogf

$$\frac{5 x^2 - 1}{30 x^2 + 5 x - 1}$$

Sequence: A133646
Score: 14.7595
Type of gen. func.: lgdogf

$$\frac{5 (5 x^2 + 10 x + 1)}{(5 x^2 - 1) (30 x^2 + 5 x - 1)}$$

Sequence: A133646
Score: 5.93385
Type of gen. func.: ogf

{-a(n + 3) + 5 a(n + 2) + 30 a(n + 1), a(0) = 1, a(1) = 5, a(2) = 50}

Sequence: A133646
Score: 6.70784
Type of gen. func.: ogf

$$(13 f(x) - 10) (30 f(x) x^2 + 5 f(x) x - 5 x^2 - f(x) + 1)$$

Sequence: A133647

Score: 12.2186
Type of gen. func.: ogf

$$-\frac{3x^2+3x+1}{(3x-1)(3x+1)}$$

Sequence: A133647
Score: 7.04367
Type of gen. func.: ogf

$$\{-a(n+3)+9a(n+1), a(0)=1, a(1)=3, a(2)=12\}$$

Sequence: A133647
Score: 7.67578
Type of gen. func.: ogf

$$(100 f(x)-73)(9 f(x) x^2+3x^2-f(x)+3x+1)$$

Sequence: A133648
Score: 10.8175
Type of gen. func.: ogf

$$-\frac{4x^2-7x+5}{(3x-1)(x-1)^2}$$

Sequence: A133648
Score: 12.2075
Type of gen. func.: lgdogf

$$-\frac{2(6x^3-15x^2+22x-9)}{(x-1)(3x-1)(4x^2-7x+5)}$$

Sequence: A133648
Score: 5.54512
Type of gen. func.: ogf

$$(63508 f(x) + 38543) (3 f(x) x^3 - 7 f(x) x^2 + 5 f(x) x + 4 x^2 - f(x) - 7 x + 5)$$

Sequence: A133648
Score: 5.78833
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 7 a(n + 1) - 3 a(n), a(0) = 5, a(1) = 18, a(2) = 59\}$$

Sequence: A133649
Score: 13.5852
Type of gen. func.: ogf

$$- \frac{(2 x + 1) (x^2 + x + 1)}{(x + 1) (2 x - 1)}$$

Sequence: A133649
Score: 7.20604
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3) - 2 a(n + 2), a(0) = 1, a(1) = 4, a(2) = 9, a(3) = 19\}$$

Sequence: A133649
Score: 7.96822
Type of gen. func.: ogf

$$(654 f(x) - 59) (2 f(x) x^2 + 2 x^3 + f(x) x + 3 x^2 - f(x) + 3 x + 1)$$

Sequence: A133653
Score: 18.0360
Type of gen. func.: lgdogf

$$\frac{2 (3 + x)}{(x - 1) (x^2 - 4 x - 1)}$$

Sequence: A133653
Score: 4.69505

Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 6, a(2) = 10\}$$

Sequence: A133653
Score: 6.81113
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - x^2 - f(x) + 4 x + 1$$

Sequence: A133653
Score: 9.12434
Type of gen. func.: ogf

$$-\frac{x^2 - 4 x - 1}{(x - 1)^2}$$

Sequence: A133654
Score: 13.1871
Type of gen. func.: ogf

$$\frac{x^2 + 1}{(x - 1) (x^2 + 2 x - 1)}$$

Sequence: A133654
Score: 6.71129
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A133654
Score: 6.77175
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^3 + f(x) x^2 - 3 f(x) x - x^2 + f(x) - 1)$$

Sequence: A133655
Score: 14.9822
Type of gen. func.: ogf

$$\frac{2 x^2 + 5 x + 1}{(x - 1)^2}$$

Sequence: A133655
Score: 27.7920
Type of gen. func.: lgdogf

$$- \frac{7 + 9 x}{(x - 1) (2 x^2 + 5 x + 1)}$$

Sequence: A133655
Score: 7.70930
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 7, a(2) = 15\}$$

Sequence: A133655
Score: 8.35851
Type of gen. func.: ogf

$$(16 f(x) + 33) (f(x) x^2 - 2 f(x) x - 2 x^2 + f(x) - 5 x - 1)$$

Sequence: A133656
Score: 22.8775
Type of gen. func.: revogf

$$- \frac{x (x + 1) (x - 1)^2}{x^2 - x - 1}$$

Sequence: A133657

Score: 6.41943
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4 x^{6} + 6 x^{4} + 2 x^{3} + 2 x^{2} - 2 x + 4}{-x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 1}$$

Sequence: A133665
Score: 8.60174
Type of gen. func.: ogf

$$(5 f(x) - 14) (9 f(x) x^{2} - f(x) x + f(x) - 2 x - 1)$$

Sequence: A133666
Score: 3.64420
Type of gen. func.: ogf

$$\frac{437500000 x^{17} + 62500000 x^{16} + 42 x^{2} + 35 x + 7}{187500000 x^{17} + 62500000 x^{16} + 224 x^{3} + 98 x^{2} + 7 x + 7}$$

Sequence: A133666
Score: 7.37893
Type of gen. func.: ogf

$$(7 f(x) - 23) (16 f(x) x^{2} - f(x) x + f(x) - 3 x - 1)$$

Sequence: A133667
Score: 6.99926
Type of gen. func.: ogf

$$(9 f(x) - 34) (25 f(x) x^{2} - f(x) x + f(x) - 4 x - 1)$$

Sequence: A133668
Score: 14.1785
Type of gen. func.: ogf

$$5 x + 1$$

$$\frac{\quad}{36 x^{2} - x + 1}$$

Sequence: A133668
Score: 7.41148
Type of gen. func.: ogf

$$(11 f(x) - 47) (36 f(x) x^{2} - f(x) x + f(x) - 5 x - 1)$$

Sequence: A133668
Score: 7.85794
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) + 36 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A133669
Score: 10.3412
Type of gen. func.: lgdogf

$$- \frac{7 (42 x^{2} + 14 x - 1)}{(6 x + 1) (49 x^{2} - x + 1)}$$

Sequence: A133669
Score: 4.81305
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) + 49 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A133669
Score: 7.23074
Type of gen. func.: ogf

$$(13 f(x) - 62) (49 f(x) x^{2} - f(x) x + f(x) - 6 x - 1)$$

Sequence: A133669
Score: 8.68441

Type of gen. func.: ogf

$$\frac{6x+1}{49x^2-x+1}$$

Sequence: A133669
Score: 9.40111
Type of gen. func.: revogf

$$-\frac{-1-x+(-195x^2+26x+1)^{1/2}}{2(-6+49x)}$$

Sequence: A133671
Score: 13.0249
Type of gen. func.: ogf

$$\frac{7x+1}{64x^2-x+1}$$

Sequence: A133671
Score: 13.9574
Type of gen. func.: revogf

$$-\frac{-1-x+(-255x^2+30x+1)^{1/2}}{2(-7+64x)}$$

Sequence: A133671
Score: 15.3531
Type of gen. func.: lgdogf

$$-\frac{8(56x^2+16x-1)}{(7x+1)(64x^2-x+1)}$$

Sequence: A133671
Score: 6.80848

Type of gen. func.: ogf

$$(15 f(x) - 79) (64 f(x) x^2 - f(x) x + f(x) - 7 x - 1)$$

Sequence: A133671
Score: 7.21863
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) + 64 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A133672
Score: 13.6762
Type of gen. func.: ogf

$$\frac{8 x + 1}{81 x^2 - x + 1}$$

Sequence: A133672
Score: 14.7063
Type of gen. func.: revogf

$$- \frac{-1 - x + (-323 x^2 + 34 x + 1)^{1/2}}{2 (-8 + 81 x)}$$

Sequence: A133672
Score: 16.1769
Type of gen. func.: lgdogf

$$- \frac{9 (72 x^2 + 18 x - 1)}{(8 x + 1) (81 x^2 - x + 1)}$$

Sequence: A133672
Score: 7.14891
Type of gen. func.: ogf

$$(17 f(x) - 98) (81 f(x) x^2 - f(x) x + f(x) - 8 x - 1)$$

Sequence: A133672
Score: 7.57955
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) + 81\, a(n),\ a(0) = 1,\ a(1) = 9\}$$

Sequence: A133673
Score: 10.0354
Type of gen. func.: ogf

$$-\frac{x^3 + 3\, x^2 - 4\, x - 7}{(x^2 + x - 1)^2}$$

Sequence: A133673
Score: 13.7953
Type of gen. func.: lgdogf

$$-\frac{x^4 + 5\, x^3 - 9\, x^2 - 26\, x - 18}{(x^2 + x - 1)\, (x^3 + 3\, x^2 - 4\, x - 7)}$$

Sequence: A133673
Score: 5.40369
Type of gen. func.: ogf

$$(2410\, f(x) - 2389)$$

$$(f(x)\, x^4 + 2\, f(x)\, x^3 - f(x)\, x^2 + x^3 - 2\, f(x)\, x + 3\, x^2 + f(x) - 4\, x - 7)$$

Sequence: A133678
Score: 14.3092
Type of gen. func.: ogf

$$\frac{6\, x^2 - 1}{42\, x^2 + 6\, x - 1}$$

Sequence: A133678
Score: 6.87944
Type of gen. func.: ogf

$$\{-a(n+3) + 6\,a(n+2) + 42\,a(n+1),\ a(0) = 1,\ a(1) = 6,\ a(2) = 72\}$$

Sequence: A133678
Score: 7.77677
Type of gen. func.: ogf

$$(31 f(x) - 24)\,(42 f(x) x^2 + 6 f(x) x - 6 x^2 - f(x) + 1)$$

Sequence: A133679
Score: 6.93579
Type of gen. func.: ogf

$$(9 f(x) - 7)\,(56 f(x) x^2 + 7 f(x) x - 7 x^2 - f(x) + 1)$$

Sequence: A133680
Score: 10.1429
Type of gen. func.: ogf

$$\frac{8 x^2 - 1}{72 x^2 + 8 x - 1}$$

Sequence: A133680
Score: 12.0930
Type of gen. func.: lgdogf

$$\frac{8 (8 x^2 + 16 x + 1)}{(8 x^2 - 1)(72 x^2 + 8 x - 1)}$$

Sequence: A133680
Score: 4.82995

Type of gen. func.: ogf

$$\{-a(n+3) + 8 a(n+2) + 72 a(n+1), a(0) = 1, a(1) = 8, a(2) = 128\}$$

Sequence: A133680
Score: 5.51245
Type of gen. func.: ogf

$$(41 f(x) - 32) (72 f(x) x^2 + 8 f(x) x - 8 x^2 - f(x) + 1)$$

Sequence: A133681
Score: 10.5234
Type of gen. func.: lgdogf

$$\frac{9 (9 x^2 + 18 x + 1)}{(15 x - 1) (3 x - 1) (3 x + 1) (6 x + 1)}$$

Sequence: A133681
Score: 10.5395
Type of gen. func.: ogf

$$\frac{(3 x - 1) (3 x + 1)}{(6 x + 1) (15 x - 1)}$$

Sequence: A133681
Score: 5.01883
Type of gen. func.: ogf

$$\{-a(n+3) + 9 a(n+2) + 90 a(n+1), a(0) = 1, a(1) = 9, a(2) = 162\}$$

Sequence: A133681
Score: 5.72802
Type of gen. func.: ogf

$$(23 f(x) - 18) (90 f(x) x^2 + 9 f(x) x - 9 x^2 - f(x) + 1)$$

Sequence: A133682
Score: 5.88253
Type of gen. func.: ogf

$$-(3728 f(x) - 19219) (-4 x^4 - x^3 + f(x) x - 14 x^2 - f(x) + 21 x + 1)$$

Sequence: A133683
Score: 10.3324
Type of gen. func.: lgdogf

$$-\frac{6 x^6 + 8 x^5 + 11 x^4 + 2 x^3 + 3 x^2 + 2 x + 1}{(x^2 + x + 1) (2 x^5 + x^3 - 1)}$$

Sequence: A133683
Score: 11.6871
Type of gen. func.: ogf

$$-\frac{x^2 + x + 1}{2 x^5 + x^3 - 1}$$

Sequence: A133683
Score: 7.83725
Type of gen. func.: ogf

$$f(x)^2 (2 f(x) x^5 + f(x) x^3 + x^2 - f(x) + x + 1)$$

Sequence: A133684
Score: 3.59484
Type of gen. func.: ogf

$$\frac{x (x^2 - x - 1)}{(2 x^2 - 1) (x^2 + 1)}$$

Sequence: A133684
Score: 8.72995

Type of gen. func.: ogf

$$(21 f(x) + 5) (2 f(x) x^4 + f(x) x^2 - x^3 + x^2 - f(x) + x)$$

Sequence: A133690
Score: 8.12873
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{4 x^7 + 4 x^6 - 2 x^5 + 4 x^4 + 8 x^3 + 4 x^2 - 2 x + 4}{-x^8 + 1}$$

Sequence: A133692
Score: 6.15454
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-2 x^7 - 2 x^6 + x^5 - 2 x^4 - 4 x^3 - 2 x^2 + x - 2}{x^8 - 1}$$

Sequence: A133694
Score: 13.6533
Type of gen. func.: ogf

$$\frac{2 x^2 - 4 x - 1}{(x - 1)^3}$$

Sequence: A133694
Score: 23.3509
Type of gen. func.: lgdogf

$$- \frac{2 x^2 - 4 x - 7}{(x - 1) (2 x^2 - 4 x - 1)}$$

Sequence: A133694

Score: 7.3057
Type of gen. func.: ogf

$$(67 f(x) - 427) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 2 x^2 - f(x) + 4 x + 1)$$

Sequence: A133694
Score: 7.37035
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 7, a(2) = 16\}$$

Sequence: A133706
Score: 4.25338
Type of gen. func.: egf]

$$\{(n^4 - 7 n^3 + 19 n^2 - 33 n + 180) a(n + 1) + (-120 n - 240) a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A133714
Score: 27.4817
Type of gen. func.: ogf_with_Euler_transform]

$$x^2 + 4 x + 6$$

Sequence: A133718
Score: 5.73032
Type of gen. func.: ogf

$$- \frac{x^4 - 4 x^3 + 11 x^2 + 6 x + 1}{(x - 1)^7}$$

Sequence: A133719
Score: 4.53887
Type of gen. func.: ogf

$$- \frac{6 x^5 - 24 x^4 + 45 x^3 + 64 x^2 + 13 x + 1}{}$$

$$(x-1)^{9}$$

Sequence: A133720
Score: 3.47445
Type of gen. func.: ogf

$$\frac{2 x^{7} - 51 x^{6} + 178 x^{5} - 187 x^{4} - 621 x^{3} - 242 x^{2} - 23 x - 1}{(x-1)^{11}}$$

Sequence: A133722
Score: 4.50824
Type of gen. func.: ogf

$$-\frac{x^{2} (x^{12} - 4 x^{9} + x^{8} + 6 x^{6} - 2 x^{5} + 2 x^{4} - 4 x^{3} + x^{2} + x + 1)}{(x-1)^{5} (x^{2} + x + 1)^{5}}$$

Sequence: A133730
Score: 4.51634
Type of gen. func.: ogf

$$-\frac{(x-1) (x^{2} - x - 1)}{(2 x^{2} - 1) (x^{2} + 1)}$$

Sequence: A133730
Score: 8.12574
Type of gen. func.: ogf

$$-(22 f(x) - 5) (2 f(x) x^{4} + f(x) x^{2} + x^{3} - 2 x^{2} - f(x) + 1)$$

Sequence: A133739
Score: 6.96561
Type of gen. func.: ogf_with_Euler_transform]

$$4 x^{8} - 9 x^{7} + 14 x^{6} - 2 x^{5} - 5 x^{4} + 5 x^{3} + 6 x^{2} - 14 x + 9$$

$$- \frac{}{-x^9 - x^6 - x^3 - 1}$$

Sequence: A133752
Score: 10.4597
Type of gen. func.: ogf

$$-256 f(x) x + f(x) - 1$$

Sequence: A133752
Score: 19.5552
Type of gen. func.: ogf

$$- \frac{1}{256 x - 1}$$

Sequence: A133752
Score: 25.8723
Type of gen. func.: revegf]

$$1/256 \ln(1 + 256 x)$$

Sequence: A133752
Score: 29.3219
Type of gen. func.: lgdogf

$$- \frac{256}{256 x - 1}$$

Sequence: A133752
Score: 8.32906
Type of gen. func.: ogf

$$\{a(n + 1) - 256 a(n), a(0) = 1\}$$

Sequence: A133754
Score: 23.2415
Type of gen. func.: lgdogf

$$-\frac{4 x^2 + 17 x + 9}{(x - 1) (x^2 + 3 x + 1)}$$

Sequence: A133754
Score: 4.08823
Type of gen. func.: ogf

$$\{(-152 n^2 - 895 n - 1317) a(n + 1) + (-371 n^2 - 3914 n - 8199) a(n + 2)$$
$$+ (523 n^2 + 1434 n + 911) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 24\}$$

Sequence: A133754
Score: 8.05257
Type of gen. func.: ogf

$$\frac{24 x^2 (x^2 + 3 x + 1)}{(x - 1)^6}$$

Sequence: A133766
Score: 13.9420
Type of gen. func.: lgdogf

$$-\frac{x^3 - 75 x^2 - 333 x - 105}{(x - 1) (x^3 - 39 x^2 - 85 x - 5)}$$

Sequence: A133766
Score: 3.74124
Type of gen. func.: ogf

$$\{(4 n^2 + 21 n + 26) a(n + 1) + (-16 n^2 - 108 n - 215) a(n + 2)$$
$$+ (12 n^2 + 63 n + 81) a(n + 3), a(0) = 15, a(1) = 315, a(2) = 1287\}$$

Sequence: A133766
Score: 5.35914
Type of gen. func.: ogf

$$(44096 f(x) + 8118315) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 3 x^3 - 4 f(x) x - 117 x^2 + f(x) - 255 x - 15)$$

Sequence: A133766
Score: 8.66873
Type of gen. func.: ogf

$$-\frac{3 (x^3 - 39 x^2 - 85 x - 5)}{(x - 1)^4}$$

Sequence: A133767
Score: 15.3037
Type of gen. func.: lgdogf

$$-\frac{x^3 + 5 x^2 + 275 x + 231}{(x - 1) (x^3 + x^2 + 91 x + 35)}$$

Sequence: A133767
Score: 3.71867
Type of gen. func.: ogf

$$\{(-4 n^2 - 23 n - 30) a(n + 1) + (-16 n^2 - 164 n - 363) a(n + 2) + (20 n^2 + 115 n + 165) a(n + 3), a(0) = 105, a(1) = 693, a(2) = 2145\}$$

Sequence: A133767
Score: 4.72173
Type of gen. func.: ogf

$$(68800 f(x) + 16321701) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 3 x^3 - 4 f(x) x - 3 x^2 + f(x) - 273 x - 105)$$

Sequence: A133767
Score: 8.86054
Type of gen. func.: ogf

$$\frac{3\,(x^3 + x^2 + 91\,x + 35)}{(x - 1)^4}$$

Sequence: A133789
Score: 5.01844
Type of gen. func.: lgdogf

$$-\frac{2\,(264\,x^5 - 491\,x^4 + 348\,x^3 - 125\,x^2 + 24\,x - 2)}{(x - 1)\,(3\,x - 1)\,(2\,x - 1)\,(4\,x - 1)\,(11\,x^2 - 6\,x + 1)}$$

Sequence: A133789
Score: 5.38294
Type of gen. func.: ogf

$$(6\,f(x) + 1)\,($$

$$24\,f(x)\,x^4 - 50\,f(x)\,x^3 + 35\,f(x)\,x^2 - 11\,x^3 - 10\,f(x)\,x + 6\,x^2 + f(x) - x)$$

Sequence: A133789
Score: 9.52368
Type of gen. func.: ogf

$$\frac{x\,(11\,x^2 - 6\,x + 1)}{(x - 1)\,(3\,x - 1)\,(2\,x - 1)\,(4\,x - 1)}$$

Sequence: A133799
Score: 12.4079
Type of gen. func.: lgdegf]

$$\frac{3\,(x^4 - 4\,x^3 + 6\,x^2 - 4\,x + 2)}{{}^{4}\qquad{}^{3}\qquad{}^{2}}$$

$$(x - 1) (3 x - 8 x + 6 x - 2)$$

Sequence: A133799
Score: 3.28330
Type of gen. func.: ogf

$$\{(6 n^2 + 24 n) a(n + 1) - 6 n a(n + 2) + (-n^2 - 10 n - 24) a(n + 3)$$

$$+ (n + 4) a(n + 4), a(0) = 1, a(1) = 3, a(2) = 6, a(3) = 30\}$$

Sequence: A133799
Score: 5.11294
Type of gen. func.: egf]

$$-(101 f(x) - 523)$$

$$(2 f(x) x^3 - 3 x^4 - 6 f(x) x^2 + 8 x^3 + 6 f(x) x - 6 x^2 - 2 f(x) + 2)$$

Sequence: A133799
Score: 9.17526
Type of gen. func.: egf]

$$\frac{3 x^4 - 8 x^3 + 6 x^2 - 2}{2 (x - 1)^3}$$

Sequence: A133806
Score: 8.90398
Type of gen. func.: ogf

$$- \frac{x (x^4 - x^3 - x^2 + x + 1)}{(2 x^2 - 1) (x^4 - x^2 + 1)}$$

Sequence: A133818
Score: 5.95455
Type of gen. func.: ogf

$$3 (5 x^4 - 3028 x^3 - 18850 x^2 - 10580 x - 315)$$

$$\frac{}{(x - 1)^5}$$

Sequence: A133818
Score: 7.31614
Type of gen. func.: lgdogf

$$- \frac{5 x^4 - 6036 x^3 - 65634 x^2 - 80020 x - 12155}{(x - 1) (5 x^4 - 3028 x^3 - 18850 x^2 - 10580 x - 315)}$$

Sequence: A133849
Score: 4.39272
Type of gen. func.: ogf

$$-(f(x) - 20169691981106018776756331) (5 f(x) x - 161742330750 x^2 - f(x)$$
$$- 100848459905530060457033300 x + 20169691981106018776756331)$$

Sequence: A133849
Score: 5.69680
Type of gen. func.: ogf

{-a(n + 3) + 5 a(n + 2), a(0) = 20169691981106018776756331, a(1) = 33426748355,

a(2) = 5391411025}

Sequence: A133849
Score: 6.81487
Type of gen. func.: ogf

$$\frac{215656441 (750 x^2 + 467634815069261300 x - 93526963013852291)}{5 x - 1}$$

Sequence: A133851
Score: 15.5668
Type of gen. func.: ogf

$$-4 f(x) x^3 + f(x) - 1$$

Sequence: A133851
Score: 25.5295
Type of gen. func.: ogf

$$-\frac{1}{4x^3-1}$$

Sequence: A133851
Score: 42.5491
Type of gen. func.: lgdogf

$$-\frac{12x^2}{4x^3-1}$$

Sequence: A133851
Score: 8.62482
Type of gen. func.: ogf

{a(n + 3) - 4 a(n), a(0) = 1, a(1) = 0, a(2) = 0}

Sequence: A133853
Score: 11.4257
Type of gen. func.: ogf

$$-64 f(x) x^2 + 65 f(x) x - f(x) + x$$

Sequence: A133853
Score: 17.1901
Type of gen. func.: ogf

$$\frac{x}{(64x-1)(x-1)}$$

Sequence: A133853

Score: 7.24882
Type of gen. func.: ogf

$$\{a(n+2) - 65\, a(n+1) + 64\, a(n),\ a(0) = 0,\ a(1) = 1\}$$

Sequence: A133872
Score: 20.2510
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(x^2+1)}$$

Sequence: A133872
Score: 25.7844
Type of gen. func.: ogf_with_Euler_transform]

$$[x^3 - x + 1]$$

Sequence: A133872
Score: 33.5406
Type of gen. func.: lgdogf

$$-\frac{3x^2 - 2x + 1}{(x-1)(x^2+1)}$$

Sequence: A133872
Score: 6.75034
Type of gen. func.: ogf

$$\{a(n+3) - a(n+2) + a(n+1) - a(n),\ a(0) = 1,\ a(1) = 1,\ a(2) = 0\}$$

Sequence: A133872
Score: 7.27464
Type of gen. func.: ogf

$$-(f(x) - 1)(f(x)\, x^3 - f(x)\, x^2 + f(x)\, x - f(x) + 1)$$

Sequence: A133873
Score: 11.4755
Type of gen. func.: ogf

$$-\frac{2x^3+1}{(x-1)(x^6+x^3+1)}$$

Sequence: A133873
Score: 15.6883
Type of gen. func.: lgdogf

$$-\frac{8x^9-6x^8+9x^6-6x^5+3x^2+1}{(x-1)(2x^3+1)(x^6+x^3+1)}$$

Sequence: A133874
Score: 8.60777
Type of gen. func.: lgdogf

$$-(15x^{20}-12x^{19}+21x^{16}-16x^{15}+14x^{12}-8x^{11}-10x^8+16x^7-x^4+4x^3+1) \Big/ ((x-1)(x^4+1)(x^8+1)(3x^8+2x^4+1))$$

Sequence: A133874
Score: 8.88483
Type of gen. func.: ogf

$$-\frac{3x^8+2x^4+1}{(x-1)(x^4+1)(x^8+1)}$$

Sequence: A133875
Score: 6.96290
Type of gen. func.: ogf

$$4x^{15}+3x^{10}+2x^5+1$$

$$- \frac{}{(x - 1) (x^{20} + x^{15} + x^{10} + x^{5} + 1)}$$

Sequence: A133876
Score: 5.90695
Type of gen. func.: ogf

$$- \frac{5 x^{24} + 4 x^{18} + 3 x^{12} + 2 x^{6} + 1}{(x - 1) (x^{2} + 1) (x^{4} - x^{2} + 1) (x^{6} + x^{3} + 1) (x^{6} - x^{3} + 1) (x^{12} - x^{6} + 1)}$$

Sequence: A133877
Score: 5.06086
Type of gen. func.: ogf

$$- \frac{6 x^{35} + 5 x^{28} + 4 x^{21} + 3 x^{14} + 2 x^{7} + 1}{(x - 1) (x^{42} + x^{35} + x^{28} + x^{21} + x^{14} + x^{7} + 1)}$$

Sequence: A133882
Score: 8.61674
Type of gen. func.: ogf

$$- \frac{x^{4} + 2 x^{3} + 2 x + 1}{(x - 1) (x^{2} + 1) (x^{4} + 1)}$$

Sequence: A133882
Score: 9.92528
Type of gen. func.: lgdogf

$$- \frac{3 x^{10} + 6 x^{9} - 5 x^{8} + 16 x^{7} - 6 x^{6} + 4 x^{5} - 2 x^{4} + 7 x^{2} - 2 x + 3}{(x - 1) (x^{2} + 1) (x^{4} + 1) (x^{4} + 2 x^{3} + 2 x + 1)}$$

Sequence: A133884
Score: 8.22054
Type of gen. func.: ogf

$$-\frac{x^8 + 2x^6 + 2x^2 + 1}{(x-1)(x^4+1)(x^8+1)}$$

Sequence: A133893
Score: 12.5709
Type of gen. func.: ogf

$$\frac{(x+2)(x^2-x+3)}{(x^2+x+1)(x-1)^2}$$

Sequence: A133893
Score: 13.5071
Type of gen. func.: lgdogf

$$-\frac{x^5 + 3x^4 + 5x^3 + 29x^2 + 9x + 7}{(x-1)(x+2)(x^2+x+1)(x^2-x+3)}$$

Sequence: A133893
Score: 5.19398
Type of gen. func.: ogf

$$\{(-3n-13)a(n+1) - 3a(n+2) - 3a(n+3) + (3n+10)a(n+4), a(0) = 6, a(1) = 7, a(2) = 8, a(3) = 15\}$$

Sequence: A133893
Score: 6.82988
Type of gen. func.: ogf

$$-(69f(x) + 1007)(f(x)x^4 - f(x)x^3 - x^3 - f(x)x - x^2 + f(x) - x - 6)$$

Sequence: A133894
Score: 10.9840
Type of gen. func.: ogf

$$\frac{(x^2 - 2 x + 3) (x^2 + 3 x + 4)}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A133894
Score: 9.33901
Type of gen. func.: lgdogf

$$- \frac{x^7 + 3 x^6 + 5 x^5 + 7 x^4 + 67 x^3 + 17 x^2 + 15 x + 13}{(x - 1) (x + 1) (x^2 - 2 x + 3) (x^2 + 3 x + 4) (x^2 + 1)}$$

Sequence: A133895
Score: 7.63688
Type of gen. func.: lgdogf

$$- \frac{x^9 + 3 x^8 + 5 x^7 + 7 x^6 + 9 x^5 + 129 x^4 + 27 x^3 + 25 x^2 + 23 x + 21}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (x^5 + x^4 + x^3 + x^2 + x + 20)}$$

Sequence: A133895
Score: 9.68892
Type of gen. func.: ogf

$$\frac{x^5 + x^4 + x^3 + x^2 + x + 20}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A133897
Score: 8.21110
Type of gen. func.: ogf

$$\frac{x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 42}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A133898
Score: 7.47136
Type of gen. func.: ogf

$$\frac{x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 56}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A133899
Score: 7.03938
Type of gen. func.: ogf

$$\frac{x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 72}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A133915
Score: 5.72032
Type of gen. func.: ogf

$$16 f(x)^2 x^3 + 24 f(x)^2 x^2 - 15 f(x)^2 x - 8 f(x) x^2 + 2 f(x)^2 + 10 f(x) x - 2 f(x) + x$$

Sequence: A133925
Score: 10.2184
Type of gen. func.: lgdogf

$$- \frac{4 x^7 + 8 x^6 + 12 x^5 + 13 x^4 + 12 x^3 + 11 x^2 + 4 x + 1}{(2 x^3 + 2 x^2 + 2 x + 1) (x^5 + x^4 + x^3 - x - 1)}$$

Sequence: A133925
Score: 10.9530
Type of gen. func.: ogf

$$- \frac{x (2 x^3 + 2 x^2 + 2 x + 1)}{x^5 + x^4 + x^3 - x - 1}$$

Sequence: A133926
Score: 12.4542
Type of gen. func.: lgdogf

$$-\frac{2x^{9}-4x^{6}-4x^{5}-2x^{3}+4x^{2}+2x+1}{(x-1)(x^{4}-x-1)(x^{5}+x^{4}+x^{3}-x-1)}$$

Sequence: A133926
Score: 22.4810
Type of gen. func.: ogf

$$\frac{1}{(x-1)(x^{5}+x^{4}+x^{3}-x-1)}$$

Sequence: A133931
Score: 10.1403
Type of gen. func.: ogf

$$\frac{x^{3}+4x^{2}-2}{(x^{2}+x-1)(x-1)^{2}}$$

Sequence: A133931
Score: 11.8983
Type of gen. func.: lgdogf

$$-\frac{x^{5}+9x^{4}+7x^{3}-7x^{2}-10x+6}{(x-1)(x^{2}+x-1)(x^{3}+4x^{2}-2)}$$

Sequence: A133931
Score: 4.06725
Type of gen. func.: ogf

$$\{(-3n-4)\,a(n+1)-3\,a(n+2)+(6n+5)\,a(n+3)+(-3n-1)\,a(n+4),$$

$$a(0)=2,\ a(1)=6,\ a(2)=10,\ a(3)=15\}$$

```
------------------------------------------------------------------------------

Sequence:  A133931
Score: 5.28742
Type of gen. func.: ogf


-(3 f(x) + 1775)

           4         3           2    3                 2
    (f(x) x  - f(x) x  - 2 f(x) x  - x  + 3 f(x) x - 4 x  - f(x) + 2)



------------------------------------------------------------------------------

Sequence:  A133942
Score: 14.183
Type of gen. func.: egf]


                               f(x) x + f(x) - 1



------------------------------------------------------------------------------

Sequence:  A133942
Score: 23.2601
Type of gen. func.: egf]


                                       1
                                     -----
                                     x + 1



------------------------------------------------------------------------------

Sequence:  A133942
Score: 6.60799
Type of gen. func.: ogf


              {(-n - 2) a(n + 1) - a(n + 2), a(0) = 1, a(1) = -1}



------------------------------------------------------------------------------

Sequence:  A133942
Score: 66.6412
Type of gen. func.: revegf]


                                  -1 + exp(x)



------------------------------------------------------------------------------

Sequence:  A133942
Score: 74.9713
Type of gen. func.: lgdegf]


                                        1
                                    - -----
```

$$x + 1$$

Sequence: A133953
Score: 11.3715
Type of gen. func.: ogf

$$\frac{2 (2 x - 1) (x + 1)}{(x^2 + 2 x - 1) (x - 1)^2}$$

Sequence: A133953
Score: 11.7275
Type of gen. func.: lgdogf

$$- \frac{4 x^4 + 7 x^3 + 3 x^2 - 9 x + 3}{(x - 1) (2 x - 1) (x + 1) (x^2 + 2 x - 1)}$$

Sequence: A133953
Score: 3.48575
Type of gen. func.: ogf

$$\{(-2 n - 5) a(n + 1) + (-2 n - 7) a(n + 2) + (6 n + 11) a(n + 3)$$

$$+ (-2 n - 3) a(n + 4), a(0) = 2, a(1) = 6, a(2) = 12, a(3) = 24\}$$

Sequence: A133953
Score: 6.03185
Type of gen. func.: ogf

$$-(4 f(x) + 1) (f(x) x^4 - 4 f(x) x^2 + 4 f(x) x - 4 x^2 - f(x) - 2 x + 2)$$

Sequence: A133985
Score: 3.36360
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^9 + 2 x^7 - x^6 - x^5 + x^4 - 2 x^3 + 2 x - 1}{x^{10} - x^9 + x^7 - x^6 + x^4 - x^3 + x - 1}$$

Sequence: A133988
Score: 3.60898
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{11} - 2 x^{10} + 3 x^{9} - x^{8} + x^{7} - 2 x^{6} + 2 x^{5} - 2 x^{4} + x^{3} - x^{2} + 3 x - 2}{-x^{12} + 1}$$

Sequence: A133993
Score: 5.74524
Type of gen. func.: ogf

$$(16 f(x) + 9)$$

$$(2 f(x) x^{4} + f(x) x^{3} - 3 f(x) x^{2} + 4 x^{3} - f(x) x + 2 x^{2} + f(x) - x - 1)$$

Sequence: A134005
Score: 13.2322
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^{20} - 2 x^{18} - 2}{x^{2} - 1}$$

Sequence: A134006
Score: 3.81809
Type of gen. func.: ogf

$$(216 f(x) + 2129) (105 f(x) x^{4} - 176 f(x) x^{3} + 86 f(x) x^{2} + 176 x^{3} - 16 f(x) x$$

$$- 172 x^{2} + f(x) + 48 x - 4)$$

Sequence: A134006
Score: 5.20168
Type of gen. func.: lgdogf

$$-\frac{2 (2310 x^{6} - 4515 x^{5} + 3782 x^{4} - 1618 x^{3} + 370 x^{2} - 43 x + 2)}{}$$

$$(x - 1) (7 x - 1) (3 x - 1) (5 x - 1) (4 x - 1) (11 x^2 - 8 x + 1)$$

Sequence: A134006
Score: 6.63826
Type of gen. func.: ogf

$$- \frac{4 (4 x - 1) (11 x^2 - 8 x + 1)}{(x - 1) (3 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A134007
Score: 5.13323
Type of gen. func.: ogf

$$- \frac{1689 x^4 - 1900 x^3 + 690 x^2 - 100 x + 5}{(x - 1) (3 x - 1) (9 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A134008
Score: 3.85383
Type of gen. func.: ogf

$$- \frac{2 (6 x - 1) (1627 x^4 - 1752 x^3 + 578 x^2 - 72 x + 3)}{(x - 1) (9 x - 1) (7 x - 1) (3 x - 1) (5 x - 1) (11 x - 1)}$$

Sequence: A134011
Score: 26.8091
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 - 2 x^4 + 2$$

Sequence: A134011
Score: 6.89071
Type of gen. func.: lgdogf

$$- \frac{x^{12} + 3 x^{11} + 5 x^{10} + 7 x^9 + 9 x^8 + 8 x^3 + 6 x^2 + 4 x + 2}{(x - 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A134011
Score: 8.03620
Type of gen. func.: ogf

$$-\frac{(x^4+x^3+x^2+x+1)^2}{(x-1)(x^2+x+1)(x^6+x^3+1)}$$

Sequence: A134012
Score: 7.52892
Type of gen. func.: ogf

$$-\frac{(x^2+3x+1)^2}{(x-1)(x^4+x^3+x^2+x+1)}$$

Sequence: A134012
Score: 7.88327
Type of gen. func.: lgdogf

$$-\frac{x^6+9x^5+5x^4+4x+6}{(x-1)(x^2+3x+1)(x^4+x^3+x^2+x+1)}$$

Sequence: A134013
Score: 4.30588
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^{10}+3x^8+x^7+x^2-x+2}{-x^{11}-x^{10}-x^9-x^8-x^3-x^2-x-1}$$

Sequence: A134014
Score: 3.15074
Type of gen. func.: ogf_with_Euler_transform]

```
              13      12    11      8    7      5      4      3
```

$$- \frac{2 x + 2 x - x + 2 x + x + 3 x + 2 x - 2 x + x + 2}{-x^{14} + x^{12} - x^{10} + x^{8} - x^{6} + x^{4} - x^{2} + 1}$$

Sequence: A134016
Score: 10.3082
Type of gen. func.: ogf

$$\frac{x^{3} - 2 x^{2} - 6 x - 2}{x^{4} + 4 x^{2} - 1}$$

Sequence: A134016
Score: 6.03636
Type of gen. func.: ogf

$$(120044 f(x) + 388857) (f(x) x^{4} + 4 f(x) x^{2} - x^{3} + 2 x^{2} - f(x) + 6 x + 2)$$

Sequence: A134016
Score: 9.94593
Type of gen. func.: lgdogf

$$- \frac{(3 + x) (x^{5} - 7 x^{4} - x^{3} - 5 x^{2} - 6 x - 2)}{(x^{3} - 2 x^{2} - 6 x - 2) (x^{4} + 4 x^{2} - 1)}$$

Sequence: A134017
Score: 4.56471
Type of gen. func.: ogf

$$- \frac{x^{8} + 2 x^{7} + 4 x^{6} + 3 x^{5} + 5 x^{4} + 3 x^{3} + 4 x^{2} + 2 x + 1}{(x - 1) (x^{2} + x + 1) (x^{6} + x^{3} + 1)}$$

Sequence: A134018
Score: 5.07420
Type of gen. func.: lgdogf

$$-\frac{720 x^5 - 1254 x^4 + 796 x^3 - 245 x^2 + 40 x - 3}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1) (15 x^2 - 7 x + 1)}$$

Sequence: A134018
Score: 5.19473
Type of gen. func.: ogf

$$(2418 f(x) + 199) (24 f(x) x^4 - 50 f(x) x^3 + 35 f(x) x^2 - 15 x^3 - 10 f(x) x + 7 x^2 + f(x) - x)$$

Sequence: A134018
Score: 9.52368
Type of gen. func.: ogf

$$\frac{x (15 x^2 - 7 x + 1)}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A134019
Score: 10.6874
Type of gen. func.: ogf

$$-\frac{9 x^3 - 19 x^2 + 8 x - 1}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A134019
Score: 5.80377
Type of gen. func.: ogf

$$-(2402 f(x) + 807) (24 f(x) x^4 - 50 f(x) x^3 + 35 f(x) x^2 + 9 x^3 - 10 f(x) x - 19 x^2 + f(x) + 8 x - 1)$$

Sequence: A134021
Score: 11.5795
Type of gen. func.: lgdogf

$$\frac{40 x^{41} - 41 x^{40} + 13 x^{14} - 14 x^{13} + 4 x^{5} - 5 x^{4} + x^{2} - 2 x - 1}{(x - 1) (x^{41} + x^{14} + x^{5} + x^{2} + 1)}$$

Sequence: A134021
Score: 14.7954
Type of gen. func.: ogf

$$- \frac{x^{41} + x^{14} + x^{5} + x^{2} + 1}{x - 1}$$

Sequence: A134025
Score: 6.45557
Type of gen. func.: lgdogf

$$(840 x^{23} - 1720 x^{22} + 880 x^{21} + 91 x^{9} - 195 x^{8} + 104 x^{7} + 8 x^{4} - 20 x^{3} + 12 x^{2} - x + 3) / ((x - 1) (40 x^{23} - 40 x^{22} + 13 x^{9} - 13 x^{8} + 4 x^{4} - 4 x^{3} + x^{2} - x - 1))$$

Sequence: A134025
Score: 7.83504
Type of gen. func.: ogf

$$- \frac{x (40 x^{23} - 40 x^{22} + 13 x^{9} - 13 x^{8} + 4 x^{4} - 4 x^{3} + x^{2} - x - 1)}{(x - 1)^{2}}$$

Sequence: A134029
Score: 7.47509
Type of gen. func.: ogf

$$- \frac{3 x^{8} + 2 x^{7} + 4 x^{6} + x^{5} + 5 x^{4} + x^{3} + 4 x^{2} + 2 x + 3}{(x - 1) (x^{2} + x + 1) (x^{6} + x^{3} + 1)}$$

Sequence: A134035
Score: 5.69397
Type of gen. func.: ogf

$$\frac{3 x^{6} + 4 x^{5} - 7 x^{3} - 8 x^{2} + 2 x + 2}{(x + 1) (3 x^{4} - 5 x^{2} + 1) (x - 1)^{2}}$$

Sequence: A134045
Score: 10.6874
Type of gen. func.: ogf

$$\frac{3 x^{3} + 12 x^{2} - 7 x + 1}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A134045
Score: 5.84247
Type of gen. func.: ogf

$$(10338 f(x) - 12821) (24 f(x) x^{4} - 50 f(x) x^{3} + 35 f(x) x^{2} - 3 x^{3} - 10 f(x) x - 12 x^{2} + f(x) + 7 x - 1)$$

Sequence: A134057
Score: 11.7878
Type of gen. func.: lgdogf

$$- \frac{24 x^{2} - 28 x + 7}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A134057
Score: 13.5413
Type of gen. func.: ogf

$$- \frac{3 x^{2}}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A134057
Score: 5.61169
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 8 a(n), a(0) = 0, a(1) = 0, a(2) = 3\}$$

Sequence: A134057
Score: 7.59632
Type of gen. func.: ogf

$$8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x + 3 x^2 - f(x)$$

Sequence: A134062
Score: 14.5823
Type of gen. func.: ogf

$$-\frac{4 x^2 - 5 x - 1}{(2 x - 1) (x - 1)}$$

Sequence: A134062
Score: 7.50350
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 8, a(2) = 18\}$$

Sequence: A134062
Score: 8.22191
Type of gen. func.: ogf

$$(3 f(x) + 13) (2 f(x) x^2 - 3 f(x) x + 4 x^2 + f(x) - 5 x - 1)$$

Sequence: A134063
Score: 11.7078
Type of gen. func.: lgdogf

$$42 x^4 - 60 x^3 + 31 x^2 - 8 x + 1$$

$$-\frac{\qquad}{(x-1)(3x-1)(2x-1)(7x^2-5x+1)}$$

Sequence: A134063

Score: 12.4916

Type of gen. func.: ogf

$$-\frac{7x^2-5x+1}{(x-1)(3x-1)(2x-1)}$$

Sequence: A134063

Score: 6.85380

Type of gen. func.: ogf

$$\{a(n+3)-6a(n+2)+11a(n+1)-6a(n),\ a(0)=1,\ a(1)=1,\ a(2)=2\}$$

Sequence: A134063

Score: 6.91498

Type of gen. func.: ogf

$$(f(x)-2)(6f(x)x^3-11f(x)x^2+6f(x)x+7x^2-f(x)-5x+1)$$

Sequence: A134064

Score: 5.47822

Type of gen. func.: ogf

$$(270f(x)-1223)(24f(x)x^4-50f(x)x^3+35f(x)x^2+17x^3-10f(x)x$$
$$-21x^2+f(x)+8x-1)$$

Sequence: A134064

Score: 9.76840

Type of gen. func.: ogf

$$-\frac{17x^3-21x^2+8x-1}{(x-1)(3x-1)(2x-1)(4x-1)}$$

Sequence: A134067
Score: 14.3861
Type of gen. func.: ogf

$$-\frac{2x^2 - 3x - 1}{(2x - 1)(x - 1)}$$

Sequence: A134067
Score: 19.1949
Type of gen. func.: lgdogf

$$\frac{2(-3 + 4x)}{(x - 1)(2x - 1)(2x^2 - 3x - 1)}$$

Sequence: A134067
Score: 7.40255
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 6, a(2) = 14\}$$

Sequence: A134067
Score: 8.1113
Type of gen. func.: ogf

$$(5 f(x) + 13) (2 f(x) x^2 - 3 f(x) x + 2 x^2 + f(x) - 3 x - 1)$$

Sequence: A134068
Score: 8.68253
Type of gen. func.: ogf

$$-(22 f(x) + 21) (4 f(x) x^3 + 2 f(x) x^2 + 3 x^2 - f(x) + 3 x)$$

Sequence: A134077
Score: 8.18055
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4x^4 - x^3 - 3x^2 + x - 5}{x^5 - x^4 + x^3 - x^2 + x - 1}$$

Sequence: A134079
Score: 7.40926
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4x^7 - 2x^6 + 4x^5 + 4x^4 - 2x^3 - 4x^2 - 4x + 2}{x^8 + x^4 + 1}$$

Sequence: A134119
Score: 15.0281
Type of gen. func.: ogf

$$\frac{x^4 (x^4 + 1)}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A134119
Score: 7.22727
Type of gen. func.: lgdogf

$$- (7x^{13} + x^{12} + x^{11} + x^{10} + 12x^9 + 2x^8 + 2x^7 + 2x^6 + 2x^5 + 2x^4 + 5x^3 + x^2 + x + 1) / ((x - 1) (x + 1) (x^4 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1))$$

Sequence: A134132
Score: 8.18068
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{16} - x^{14} + x^{12} + x^{10} + x^6 + x^4 - x^2 + 1}{x^{18} - 1}$$

Sequence: A134136
Score: 15.4835
Type of gen. func.: ogf

$$-\frac{x (x + 1)}{(2 x - 1) (2 x^{2} + 2 x + 1)}$$

Sequence: A134136
Score: 8.73006
Type of gen. func.: ogf

$$-(22 f(x) + 7) (4 f(x) x^{3} + 2 f(x) x^{2} + x^{2} - f(x) + x)$$

Sequence: A134136
Score: 8.82394
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 1) - 4 a(n), a(0) = 0, a(1) = 1, a(2) = 1\}$$

Sequence: A134137
Score: 18.5215
Type of gen. func.: lgdegf]

$$-\frac{4 x^{3} - 12 x^{2} + 12 x - 3}{(x - 1)^{4}}$$

Sequence: A134138
Score: 23.1540
Type of gen. func.: lgdegf]

$$-\frac{3 x^{2} - 6 x + 2}{(x - 1)^{3}}$$

Sequence: A134139

Score: 16.3934
Type of gen. func.: lgdegf]

$$-\frac{5 x^4 - 20 x^3 + 30 x^2 - 20 x + 4}{(x - 1)^5}$$

Sequence: A134140
Score: 14.1333
Type of gen. func.: lgdegf]

$$-\frac{6 x^5 - 30 x^4 + 60 x^3 - 60 x^2 + 30 x - 5}{(x - 1)^6}$$

Sequence: A134142
Score: 10.4451
Type of gen. func.: ogf

$$\{a(n + 2) + 2 a(n + 1) + 2 a(n), a(0) = 2, a(1) = -3\}$$

Sequence: A134142
Score: 19.0333
Type of gen. func.: ogf

$$\frac{x + 2}{2 x^2 + 2 x + 1}$$

Sequence: A134142
Score: 27.2064
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 8 x + 3}{(x + 2) (2 x^2 + 2 x + 1)}$$

Sequence: A134142
Score: 28.9068

Type of gen. func.: revogf

$$-\frac{-1 + x + (-x^2 - x + 1)^{1/2}}{2 x - 1}$$

Sequence: A134142
Score: 9.95929
Type of gen. func.: ogf

$$(2 f(x) - 13) (2 f(x) x^2 + 2 f(x) x + f(x) - x - 2)$$

Sequence: A134153
Score: 12.1971
Type of gen. func.: ogf

$$-\frac{7 x^2 + 22 x + 1}{(x - 1)^3}$$

Sequence: A134153
Score: 20.0396
Type of gen. func.: lgdogf

$$-\frac{7 x^2 + 58 x + 25}{(x - 1) (7 x^2 + 22 x + 1)}$$

Sequence: A134153
Score: 6.24975
Type of gen. func.: ogf

$$(30200 f(x) - 390839) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 7 x^2 - f(x) + 22 x + 1)$$

Sequence: A134153
Score: 6.63351
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 1,\ a(1) = 25,\ a(2) = 79\}$$

Sequence: A134154
Score: 12.4584
Type of gen. func.: ogf

$$-\frac{25\,x^2 + 4\,x + 1}{(x-1)^3}$$

Sequence: A134154
Score: 20.4748
Type of gen. func.: lgdogf

$$-\frac{25\,x^2 + 58\,x + 7}{(x-1)\,(25\,x^2 + 4\,x + 1)}$$

Sequence: A134154
Score: 6.49095
Type of gen. func.: ogf

$$(7225\,f(x) - 67498)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 25\,x^2 - f(x) + 4\,x + 1)$$

Sequence: A134154
Score: 6.83560
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 1,\ a(1) = 7,\ a(2) = 43\}$$

Sequence: A134155
Score: 5.96998
Type of gen. func.: ogf

$$-\frac{589\,x^4 + 9446\,x^3 + 12858\,x^2 + 1802\,x + 1}{(x-1)^5}$$

Sequence: A134155
Score: 7.19627
Type of gen. func.: lgdogf

$$- \frac{589 x^4 + 21248 x^3 + 66912 x^2 + 32924 x + 1807}{(x - 1) (589 x^4 + 9446 x^3 + 12858 x^2 + 1802 x + 1)}$$

Sequence: A134157
Score: 9.46163
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^8 + x^6 + x^5 + x^4 + x^3 + x^2 + 1}{x^{10} - 1}$$

Sequence: A134158
Score: 7.11532
Type of gen. func.: ogf

$$- \frac{373 x^4 + 8498 x^3 + 13638 x^2 + 2186 x + 1}{(x - 1)^5}$$

Sequence: A134158
Score: 7.19627
Type of gen. func.: lgdogf

$$- \frac{373 x^4 + 18488 x^3 + 66408 x^2 + 36020 x + 2191}{(x - 1) (373 x^4 + 8498 x^3 + 13638 x^2 + 2186 x + 1)}$$

Sequence: A134159
Score: 5.94413
Type of gen. func.: ogf

$$- \frac{163 x^4 + 6596 x^3 + 14556 x^2 + 3368 x + 13}{}$$

$$(x - 1)^5$$

Sequence: A134159
Score: 7.15061
Type of gen. func.: lgdogf

$$-\frac{163 x^4 + 13844 x^3 + 63456 x^2 + 42584 x + 3433}{(x - 1) (163 x^4 + 6596 x^3 + 14556 x^2 + 3368 x + 13)}$$

Sequence: A134160
Score: 6.00298
Type of gen. func.: ogf

$$-\frac{13 x^4 + 3368 x^3 + 14556 x^2 + 6596 x + 163}{(x - 1)^5}$$

Sequence: A134160
Score: 7.39081
Type of gen. func.: lgdogf

$$-\frac{13 x^4 + 6788 x^3 + 53772 x^2 + 55496 x + 7411}{(x - 1) (13 x^4 + 3368 x^3 + 14556 x^2 + 6596 x + 163)}$$

Sequence: A134161
Score: 6.11849
Type of gen. func.: ogf

$$-\frac{x^4 + 2186 x^3 + 13638 x^2 + 8498 x + 373}{(x - 1)^5}$$

Sequence: A134161
Score: 7.92551
Type of gen. func.: lgdogf

$$-\frac{x^4 + 4376 x^3 + 47472 x^2 + 61268 x + 10363}{(x - 1) (x^4 + 2186 x^3 + 13638 x^2 + 8498 x + 373)}$$

Sequence: A134163
Score: 10.1019
Type of gen. func.: lgdogf

$$-\frac{x^4 + 368 x^3 + 2364 x^2 + 1940 x + 187}{(x - 1) (x^4 + 182 x^3 + 606 x^2 + 182 x + 1)}$$

Sequence: A134163
Score: 7.13467
Type of gen. func.: ogf

$$-\frac{x^4 + 182 x^3 + 606 x^2 + 182 x + 1}{(x - 1)^5}$$

Sequence: A134165
Score: 3.16795
Type of gen. func.: ogf

$$(1602 f(x) - 1489) (24 f(x) x^4 - 50 f(x) x^3 + 35 f(x) x^2 + x^3 - 10 f(x) x - 13 x^2 + f(x) + 7 x - 1)$$

Sequence: A134165
Score: 5.71776
Type of gen. func.: ogf

$$-\frac{x^3 - 13 x^2 + 7 x - 1}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A134168

Score: 10.7281
Type of gen. func.: ogf

$$-\frac{5 x^{3} - 14 x^{2} + 7 x - 1}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A134168
Score: 5.94393
Type of gen. func.: ogf

$$-(34 f(x) - 13) (24 f(x) x^{4} - 50 f(x) x^{3} + 35 f(x) x^{2} + 5 x^{3} - 10 f(x) x - 14 x^{2} + f(x) + 7 x - 1)$$

Sequence: A134169
Score: 10.1493
Type of gen. func.: ogf

$$-\frac{7 x^{2} - 5 x + 1}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A134169
Score: 5.51978
Type of gen. func.: ogf

$$(50 f(x) - 17) (8 f(x) x^{3} - 14 f(x) x^{2} + 7 f(x) x + 7 x^{2} - f(x) - 5 x + 1)$$

Sequence: A134169
Score: 5.56862
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 2, a(2) = 7\}$$

Sequence: A134169
Score: 9.06679
Type of gen. func.: lgdogf

4 3 2

$$-\frac{56 x - 80 x + 45 x - 14 x + 2}{(x - 1) (2 x - 1) (4 x - 1) (7 x^2 - 5 x + 1)}$$

Sequence: A134171
Score: 100.983
Type of gen. func.: lgdogf

$$-\frac{4}{x - 1}$$

Sequence: A134171
Score: 15.0288
Type of gen. func.: ogf

$$\frac{27 x^3}{(x - 1)^4}$$

Sequence: A134171
Score: 6.44090
Type of gen. func.: ogf

$\{(-1 + n) a(n + 2) + (-n - 2) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 27$

$\}$

Sequence: A134171
Score: 61.9987
Type of gen. func.: ogf_with_Euler_transform]

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Sequence: A134171
Score: 8.11553
Type of gen. func.: ogf

$$-f(x) x^4 + 4 f(x) x^3 - 6 f(x) x^2 + 27 x^3 + 4 f(x) x - f(x)$$

Sequence: A134172
Score: 10.8979
Type of gen. func.: ogf

$$\frac{x^2 (x + 1) (x^2 - x + 1)}{(x - 1)^2 (x^2 + 1)^2}$$

Sequence: A134172
Score: 15.8204
Type of gen. func.: lgdogf

$$- \frac{3 x^5 - x^4 - x^3 + 9 x^2 - 4 x + 2}{(x - 1) (x + 1) (x^2 + 1) (x^2 - x + 1)}$$

Sequence: A134172
Score: 22.5274
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + 2 x^3 + x^2 - 2 x + 2$$

Sequence: A134175
Score: 12.2609
Type of gen. func.: ogf

$$- \frac{384 x^4}{(x - 1)^5}$$

Sequence: A134175
Score: 5.77505
Type of gen. func.: ogf

{(-2 + n) a(n + 2) + (-n - 2) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0,

a(4) = 384}

Sequence: A134175
Score: 6.58643
Type of gen. func.: ogf

$$f(x) x^5 - 5 f(x) x^4 + 10 f(x) x^3 + 384 x^4 - 10 f(x) x^2 + 5 f(x) x - f(x)$$

Sequence: A134175
Score: 60.7855
Type of gen. func.: ogf_with_Euler_transform]

[5]

Sequence: A134175
Score: 99.6197
Type of gen. func.: lgdogf

$$- \frac{5}{x - 1}$$

Sequence: A134176
Score: 20.1635
Type of gen. func.: lgdogf

$$- \frac{45 x^2 + 74 x + 16}{(x - 1) (15 x^2 + 11 x + 1)}$$

Sequence: A134176
Score: 8.81590
Type of gen. func.: ogf

$$- \frac{9 x^2 (15 x^2 + 11 x + 1)}{(x - 1)^5}$$

Sequence: A134184
Score: 4.52863
Type of gen. func.: ogf

$$-2 f(x)^2 x^4 - 4 f(x)^2 x^3 - f(x)^2 x^2 + f(x)^2 x - 2 f(x) x^2 - 2 f(x) x + f(x) - 1$$

Sequence: A134186
Score: 11.4509
Type of gen. func.: ogf

$$- \frac{5 x^4 + 5 x^3 - 7 x - 4}{(x^2 - x - 1) (x^3 + x^2 - 1)}$$

Sequence: A134186
Score: 9.61815
Type of gen. func.: lgdogf

$$- \frac{(x + 1) (5 x^7 + 5 x^6 + 5 x^5 - 13 x^4 - 12 x^3 + 10 x^2 + 13 x + 3)}{(x^2 - x - 1) (x^3 + x^2 - 1) (5 x^4 + 5 x^3 - 7 x - 4)}$$

Sequence: A134201
Score: 10.0059
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x + 4 x^2 - f(x) + x + 1)$$

Sequence: A134201
Score: 17.5659
Type of gen. func.: ogf

$$- \frac{4 x^2 + x + 1}{x - 1}$$

Sequence: A134201
Score: 5.48389
Type of gen. func.: lgdogf

$$2 (2 x^2 - 4 x - 1)$$

```
----------------------
                 2
(x - 1) (4 x  + x + 1)
```

Sequence: A134201
Score: 9.41031
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A134202
Score: 15.7309
Type of gen. func.: ogf

$$-\frac{x^3 + 8 x^2 + 4 x + 1}{x - 1}$$

Sequence: A134202
Score: 8.50755
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3), a(0) = 1, a(1) = 5, a(2) = 13, a(3) = 14\}$$

Sequence: A134202
Score: 9.26379
Type of gen. func.: ogf

$$(2941 f(x) - 68479) (x^3 + f(x) x + 8 x^2 - f(x) + 4 x + 1)$$

Sequence: A134227
Score: 13.7770
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 2 x - 4}{(x - 1) (x^3 - x - 1)}$$

Sequence: A134227
Score: 7.46041
Type of gen. func.: ogf

$$\frac{x^3 - x - 1}{(x - 1)^3}$$

Sequence: A134227
Score: 8.75834
Type of gen. func.: ogf

$$(67 f(x) - 1432) (f(x) x^3 - 3 f(x) x^2 - x^3 + 3 f(x) x - f(x) + x + 1)$$

Sequence: A134230
Score: 12.4466
Type of gen. func.: revogf

$$- \frac{-3 - 110 x + 3 (900 x^2 - 20 x + 1)^{1/2}}{20 (21 + 100 x)}$$

Sequence: A134230
Score: 12.6549
Type of gen. func.: ogf

$$- \frac{3 (70 x - 1)}{(100 x - 1) (10 x - 1)}$$

Sequence: A134230
Score: 13.2087
Type of gen. func.: lgdogf

$$- \frac{40 (1750 x^2 - 50 x + 1)}{(100 x - 1) (70 x - 1) (10 x - 1)}$$

Sequence: A134230
Score: 6.64703
Type of gen. func.: ogf

$$-(83 f(x) - 185) (1000 f(x) x^2 - 110 f(x) x + f(x) + 210 x - 3)$$

Sequence: A134230
Score: 7.39389
Type of gen. func.: ogf

$$\{a(n + 2) - 110 a(n + 1) + 1000 a(n), a(0) = 3, a(1) = 120\}$$

Sequence: A134238
Score: 12.8667
Type of gen. func.: ogf

$$- \frac{2 x^2 + 2 x + 1}{(x - 1)^3}$$

Sequence: A134238
Score: 22.6340
Type of gen. func.: lgdogf

$$- \frac{2 x^2 + 8 x + 5}{(x - 1) (2 x^2 + 2 x + 1)}$$

Sequence: A134238
Score: 6.7083
Type of gen. func.: ogf

$$(4825 f(x) - 7849) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x) + 2 x + 1)$$

Sequence: A134238
Score: 6.94576
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 5, a(2) = 14\}$$

Sequence: A134241
Score: 17.8273
Type of gen. func.: lgdogf

$$-\frac{5 (4 x + 5) (3 x + 1)}{(x - 1) (5 x + 1) (3 x + 2)}$$

Sequence: A134241
Score: 3.44434
Type of gen. func.: ogf

$$\{(-3097 n^2 - 15875 n - 19362) a(n + 1) + (218 n^2 - 16882 n - 55286) a(n + 2) + (2879 n^2 + 2877 n) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 384\}$$

Sequence: A134241
Score: 6.88868
Type of gen. func.: ogf

$$\frac{192 x^3 (3 x + 2) (5 x + 1)}{(x - 1)^6}$$

Sequence: A134250
Score: 11.7245
Type of gen. func.: ogf

$$-\frac{7 x^2 - 9 x - 4}{(x - 1) (x^2 - 3 x - 1)}$$

Sequence: A134250
Score: 12.1568
Type of gen. func.: lgdogf

$$-\frac{7 x^4 - 18 x^3 + 10 x^2 + 18 x + 1}{(x - 1) (7 x^2 - 9 x - 4) (x^2 - 3 x - 1)}$$

Sequence: A134250
Score: 6.06099
Type of gen. func.: ogf

$$-(89 f(x) + 127) (f(x) x^3 - 4 f(x) x^2 + 2 f(x) x + 7 x^2 + f(x) - 9 x - 4)$$

Sequence: A134250
Score: 6.38569
Type of gen. func.: ogf

$$\{-a(n + 3) - 2 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 4, a(1) = 1, a(2) = 7\}$$

Sequence: A134267
Score: 3.43102
Type of gen. func.: ogf

$$(4 f(x) + 19) (f(x) x^4 + 2 x^4 + 2 x^3 + 3 x^2 - f(x) + 2 x + 3)$$

Sequence: A134267
Score: 4.85620
Type of gen. func.: ogf

$$-\frac{2 x^4 + 2 x^3 + 3 x^2 + 2 x + 3}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A134268
Score: 8.36631
Type of gen. func.: ogf

$$-\frac{x (99 x^7 + 36 x^6 + 117 x^5 + 108 x^4 + 54 x^3 + 19 x^2 + 3 x + 1)}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A134270
Score: 14.8373

Type of gen. func.: ogf

$$-\frac{x - 1}{(2 x - 1) (2 x^3 + x^2 - 1)}$$

Sequence: A134270
Score: 7.63474
Type of gen. func.: ogf

$$(3 f(x) + 5) (4 f(x) x^4 - f(x) x^2 - 2 f(x) x + f(x) + x - 1)$$

Sequence: A134271
Score: 7.69513
Type of gen. func.: ogf

$$(6 f(x) + 5) (2 f(x) x^3 + f(x) x^2 - x^3 + 2 x^2 - f(x) + x)$$

Sequence: A134287
Score: 4.26342
Type of gen. func.: ogf

$$\frac{5 x^4 + 40 x^3 + 60 x^2 + 20 x + 1}{(x - 1)^{10}}$$

Sequence: A134287
Score: 5.23395
Type of gen. func.: ogf

$$\{(n^2 + 13 n + 42) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 30\}$$

Sequence: A134287
Score: 9.70616
Type of gen. func.: lgdogf

$$-\frac{30 (x^4 + 10 x^3 + 20 x^2 + 10 x + 1)}{}$$

$$(x - 1) (5 x^4 + 40 x^3 + 60 x^2 + 20 x + 1)$$

Sequence: A134288
Score: 6.11887
Type of gen. func.: ogf

$$\{(n^2 + 17 n + 72) a(n + 1) + (-n^2 - 5 n - 6) a(n + 2), a(0) = 1, a(1) = 28\}$$

Sequence: A134288
Score: 9.36188
Type of gen. func.: lgdogf

$$- \frac{4 (2 x^5 + 35 x^4 + 140 x^3 + 175 x^2 + 70 x + 7)}{(x - 1) (x + 1) (x^4 + 14 x^3 + 36 x^2 + 14 x + 1)}$$

Sequence: A134289
Score: 6.22840
Type of gen. func.: ogf

$$\{(n^2 + 19 n + 90) a(n + 1) + (-n^2 - 5 n - 6) a(n + 2), a(0) = 1, a(1) = 36\}$$

Sequence: A134289
Score: 7.84602
Type of gen. func.: lgdogf

$$- \frac{9 (x^6 + 24 x^5 + 140 x^4 + 280 x^3 + 210 x^2 + 56 x + 4)}{(x - 1) (x^6 + 21 x^5 + 105 x^4 + 175 x^3 + 105 x^2 + 21 x + 1)}$$

Sequence: A134290
Score: 6.12544
Type of gen. func.: ogf

$$\{(n^2 + 21 n + 110) a(n + 1) + (-n^2 - 5 n - 6) a(n + 2), a(0) = 1, a(1) = 45\}$$

Sequence: A134291
Score: 4.78351
Type of gen. func.: ogf

$$\{(n^2 + 23 n + 132) a(n + 1) + (-n^2 - 5 n - 6) a(n + 2), a(0) = 1, a(1) = 55\}$$

Sequence: A134297
Score: 13.4169
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 107 x$$

Sequence: A134297
Score: 23.1376
Type of gen. func.: ogf

$$\frac{107}{(x - 1)^2}$$

Sequence: A134297
Score: 24.0812
Type of gen. func.: revogf

$$\frac{428 x}{(107 + (11449 + 428 x)^{1/2})^2}$$

Sequence: A134297
Score: 61.9152
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A134297
Score: 9.41648
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 107, a(1) = 214\}$$

Sequence: A134297
Score: 99.3350
Type of gen. func.: lgdogf

$$-\frac{2}{x-1}$$

Sequence: A134298
Score: 3.33280
Type of gen. func.: ogf

$$\frac{14025517307\,(x^4+26x^3+66x^2+26x+1)}{(x-1)^6}$$

Sequence: A134298
Score: 7.89215
Type of gen. func.: lgdogf

$$-\frac{2\,(x^4+41x^3+171x^2+131x+16)}{(x-1)\,(x^4+26x^3+66x^2+26x+1)}$$

Sequence: A134300
Score: 4.97726
Type of gen. func.: ogf

$$\frac{7x^4+x^3-2x^2+2x+6}{(x+1)\,(x^4+1)}$$

Sequence: A134300
Score: 5.29509
Type of gen. func.: lgdogf

$$-\frac{7x^8+2x^7-5x^6+4x^5+15x^4-6x^3-x^2+4x+4}{}$$

$$(x + 1) (7 x^4 + x^3 - 2 x^2 + 2 x + 6) (x^4 + 1)$$

Sequence: A134301
Score: 8.41400
Type of gen. func.: lgdogf

$$-\frac{3 x^6 + 12 x^5 + 5 x^4 + 2 x + 3}{(x - 1) (x^2 + 3 x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A134301
Score: 8.42755
Type of gen. func.: ogf

$$-\frac{2 x (x^2 + 3 x + 1)}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A134311
Score: 11.4248
Type of gen. func.: lgdogf

$$\frac{2 (2 x^4 - 2 x + 1)}{(x - 1) (2 x - 1) (2 x^4 - 8 x^3 + 8 x^2 - 4 x + 1)}$$

Sequence: A134311
Score: 4.38426
Type of gen. func.: ogf

$$(f(x) + 198) (4 f(x) x^4 - 12 f(x) x^3 - 2 x^4 + 13 f(x) x^2 + 8 x^3 - 6 f(x) x$$

$$- 8 x^2 + f(x) + 4 x - 1)$$

Sequence: A134311
Score: 7.50869
Type of gen. func.: ogf

$$\frac{2 x^4 - 8 x^3 + 8 x^2 - 4 x + 1}{(2 x - 1)^2 (x - 1)^2}$$

Sequence: A134314
Score: 10.5366
Type of gen. func.: ogf

$$- \frac{8 (x^2 + x + 1)}{(x^2 + 1) (x + 1)^2}$$

Sequence: A134314
Score: 16.9574
Type of gen. func.: lgdogf

$$- \frac{2 x^4 + 3 x^3 + 5 x^2 + x + 1}{(x + 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A134314
Score: 21.9229
Type of gen. func.: ogf_with_Euler_transform]

$$x^3 - x^2 + x - 1$$

Sequence: A134314
Score: 5.08411
Type of gen. func.: ogf

{-a(n + 4) - 2 a(n + 3) - 2 a(n + 2) - 2 a(n + 1) - a(n), a(0) = -8, a(1) = 8,

a(2) = -8, a(3) = 16}

Sequence: A134314
Score: 5.59253
Type of gen. func.: ogf

$(f(x) - 10)$

$$(f(x)\,x^4 + 2\,f(x)\,x^3 + 2\,f(x)\,x^2 + 2\,f(x)\,x + 8\,x^2 + f(x) + 8\,x + 8)$$

Sequence: A134316
Score: 3.43147
Type of gen. func.: ogf

$$\{(n + 5)\,a(n + 1) - a(n + 2) + (-n - 5)\,a(n + 3) + a(n + 4),\ a(0) = 2,\ a(1) = 4,\ a(2) = 8,\ a(3) = 28\}$$

Sequence: A134325
Score: 3.89030
Type of gen. func.: ogf

$$-\frac{x^8 + 7\,x^7 - 40\,x^6 - 60\,x^5 + 18\,x^4 + 51\,x^3 + 10\,x^2 - 9\,x - 3}{x^9 + 7\,x^8 - 43\,x^7 - 48\,x^6 + 38\,x^5 + 47\,x^4 - 7\,x^3 - 13\,x^2 + 1}$$

Sequence: A134326
Score: 4.10411
Type of gen. func.: ogf

$$-\frac{11\,x^7 + 10\,x^6 - 51\,x^5 - 51\,x^4 + 10\,x^3 + 25\,x^2 + x - 3}{5\,x^8 + 8\,x^7 - 42\,x^6 - 37\,x^5 + 19\,x^4 + 23\,x^3 - 5\,x^2 - 4\,x + 1}$$

Sequence: A134327
Score: 13.1797
Type of gen. func.: lgdogf

$$-\frac{x^5 + 7\,x^4 + 70\,x^3 + 50\,x^2 + 17\,x - 1}{(x - 1)\,(x^5 + x^4 + 22\,x^3 - 4\,x^2 + 5\,x - 1)}$$

Sequence: A134327
Score: 8.11215
Type of gen. func.: ogf

$$\frac{x^5 + x^4 + 22 x^3 - 4 x^2 + 5 x - 1}{(x - 1)^6}$$

Sequence: A134340
Score: 13.4540
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{6 x^2 + 7 x + 5}{-x^3 - 2 x^2 - 2 x - 1}$$

Sequence: A134341
Score: 13.0717
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 144$$

Sequence: A134341
Score: 22.7821
Type of gen. func.: ogf

$$\frac{144}{(x - 1)^2}$$

Sequence: A134341
Score: 39.1165
Type of gen. func.: revogf

$$\frac{x}{(6 + (36 + x)^{1/2})^2}$$

Sequence: A134341
Score: 60.9528
Type of gen. func.: ogf_with_Euler_transform]

Sequence: A134341
Score: 9.27179
Type of gen. func.: ogf

{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 144, a(1) = 288}

Sequence: A134341
Score: 97.7912
Type of gen. func.: lgdogf

$$-\frac{2}{x - 1}$$

Sequence: A134343
Score: 11.0973
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^3 + 2 x^2 + 2}{-x^4 + 1}$$

Sequence: A134350
Score: 3.10727
Type of gen. func.: ogf

$$\frac{8 x^2 - x - 1}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A134351
Score: 13.0232
Type of gen. func.: ogf

$$-\frac{6 x^2 - 3 x - 1}{(2 x - 1) (x - 1)}$$

Sequence: A134351
Score: 15.3749
Type of gen. func.: lgdogf

$$-\frac{2\,(6\,x^2 - 8\,x + 3)}{(x - 1)\,(2\,x - 1)\,(6\,x^2 - 3\,x - 1)}$$

Sequence: A134351
Score: 6.70128
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = 6, a(2) = 10}

Sequence: A134351
Score: 7.04318
Type of gen. func.: ogf

$$-(f(x) + 17)\,(2\,f(x)\,x^2 - 3\,f(x)\,x + 6\,x^2 + f(x) - 3\,x - 1)$$

Sequence: A134353
Score: 20.0471
Type of gen. func.: ogf

$$\frac{1}{(2\,x + 1)\,(2\,x - 1)^2}$$

Sequence: A134353
Score: 28.0002
Type of gen. func.: lgdogf

$$-\frac{2\,(6\,x + 1)}{(2\,x - 1)\,(2\,x + 1)}$$

Sequence: A134353
Score: 6.62270
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 4 a(n + 1) + 8 a(n), a(0) = 1, a(1) = 2, a(2) = 8\}$$

Sequence: A134353
Score: 7.49234
Type of gen. func.: ogf

$$(3 f(x) + 5) (8 f(x) x^3 - 4 f(x) x^2 - 2 f(x) x + f(x) - 1)$$

Sequence: A134389
Score: 3.35216
Type of gen. func.: ogf

$$8 f(x)^2 x^3 - 12 f(x)^2 x^2 - 4 f(x) x^3 + 6 f(x)^2 x + 12 f(x) x^2 + x^3 - f(x)^2 - 9 f(x) x - 2 x^2 + 2 f(x) + 3 x - 1$$

Sequence: A134393
Score: 11.0932
Type of gen. func.: ogf

$$- \frac{3 x^2 - 2 x + 1}{(x - 1)^5}$$

Sequence: A134393
Score: 15.8841
Type of gen. func.: lgdogf

$$- \frac{9 x^2 - 2 x + 3}{(x - 1) (3 x^2 - 2 x + 1)}$$

Sequence: A134393
Score: 4.38180
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (12 + 3 n) a(n + 3) + (-12 - 5 n) a(n + 2)$$

$+ (12 + 3 n) a(n + 1), a(0) = 1, a(1) = 3, a(2) = 8, a(3) = 20\}$

Sequence: A134396
Score: 12.6372
Type of gen. func.: lgdogf

$$- \frac{10 x^{3} - 21 x^{2} + 12 x - 3}{(x - 1) (2 x - 1) (5 x^{2} - 4 x + 1)}$$

Sequence: A134396
Score: 4.43885
Type of gen. func.: ogf

$$\{(6 n + 12) a(n + 1) + (-5 n - 1) a(n + 2) + (-1 + n) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 27, a(4) = 80\}$$

Sequence: A134396
Score: 5.9521
Type of gen. func.: ogf

$$f(x) (16 f(x) x^{4} - 32 f(x) x^{3} + 24 f(x) x^{2} + 5 x^{3} - 8 f(x) x - 9 x^{2} + f(x) + 5 x - 1)$$

Sequence: A134396
Score: 9.82096
Type of gen. func.: ogf

$$- \frac{(x - 1) (5 x^{2} - 4 x + 1)}{(2 x - 1)^{4}}$$

Sequence: A134401
Score: 12.5797
Type of gen. func.: ogf

$$\frac{4 x^{2} - 2 x + 1}{}$$

$$(2x-1)^2$$

Sequence: A134401
Score: 19.7956
Type of gen. func.: lgdogf

$$-\frac{2(2x+1)}{(2x-1)(4x^2-2x+1)}$$

Sequence: A134401
Score: 6.53652
Type of gen. func.: ogf

$$\{-a(n+3)+4a(n+2)-4a(n+1), a(0)=1, a(1)=2, a(2)=8\}$$

Sequence: A134401
Score: 9.39049
Type of gen. func.: ogf

$$-4f(x)x^2+4f(x)x+4x^2-f(x)-2x+1$$

Sequence: A134405
Score: 5.03395
Type of gen. func.: lgdogf

$$-\frac{2x^7+2x^6+3x^5-9x^4+4x^3+4x^2+3x-1}{(x-1)(x+1)(x^2+1)(2x^4+2x^3+x^2-2x-1)}$$

Sequence: A134405
Score: 9.00465
Type of gen. func.: ogf

$$-\frac{2x^4+2x^3+x^2-2x-1}{(x-1)(x^2+1)(x+1)^2}$$

Sequence: A134410
Score: 10.4814
Type of gen. func.: ogf

$$-\frac{(x-2)(2x^2-3x+3)}{(x^2+x-1)^2}$$

Sequence: A134410
Score: 11.1481
Type of gen. func.: lgdogf

$$-\frac{2x^4-16x^3+33x^2-29x-3}{(x-2)(2x^2-3x+3)(x^2+x-1)}$$

Sequence: A134410
Score: 5.84829
Type of gen. func.: ogf

(5 f(x) + 33)

$$(f(x)x^4+2f(x)x^3-f(x)x^2+2x^3-2f(x)x-7x^2+f(x)+9x-6)$$

Sequence: A134414
Score: 12.1420
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{5x^2+3x+2}{x^3+x^2+x+1}$$

Sequence: A134415
Score: 13.9418
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-5x^3-8x^2-3x-8}{{}^{4}}$$

$$-x + 1$$

Sequence: A134418
Score: 2.24013
Type of gen. func.: ogf

$$(18 f(x) + 7) (4 f(x) x^2 + 2 f(x) x - f(x) + 3 x + 1)$$

Sequence: A134418
Score: 4.28113
Type of gen. func.: ogf

$$-\frac{3 x + 1}{4 x^2 + 2 x - 1}$$

Sequence: A134425
Score: 23.0166
Type of gen. func.: revogf

$$\frac{x (2 x + 1)}{(3 x + 1) (4 x + 1)}$$

Sequence: A134425
Score: 7.01725
Type of gen. func.: lgdogf

$$-\frac{-5 x + 1 + 12 (x^2 - 6 x + 1)^{1/2} x - (x^2 - 6 x + 1)^{1/2}}{2 (x^2 - 6 x + 1)^{1/2} (6 x - 1) x}$$

Sequence: A134425
Score: 7.53324
Type of gen. func.: ogf

$$12 f(x)^2 x^2 - 2 f(x)^2 x + 7 f(x) x - f(x) + 1$$

Sequence: A134429
Score: 11.8496
Type of gen. func.: ogf

$$-\frac{(x-1)(3x^2+4x+3)}{(x^2+1)(x+1)^2}$$

Sequence: A134429
Score: 15.6720
Type of gen. func.: lgdogf

$$-\frac{3x^5-x^4-6x^3-22x^2-9x-5}{(x-1)(x+1)(x^2+1)(3x^2+4x+3)}$$

Sequence: A134429
Score: 4.65519
Type of gen. func.: ogf

$$\{(2n+7)a(n+1)+(2n+5)a(n+2)+(2n+7)a(n+3)$$
$$+(2n+5)a(n+4),\ a(0)=3,\ a(1)=-5,\ a(2)=3,\ a(3)=-5\}$$

Sequence: A134429
Score: 6.56416
Type of gen. func.: ogf

$$(12 f(x)+41)$$
$$(f(x)x^4+2f(x)x^3+2f(x)x^2+3x^3+2f(x)x+x^2+f(x)-x-3)$$

Sequence: A134430
Score: 10.6543
Type of gen. func.: ogf

$$-\frac{x^2-3x+1}{(x-1)(x^2+1)}$$

Sequence: A134430
Score: 5.70403
Type of gen. func.: lgdogf

$$-\frac{x^4 - 6x^3 + 5x^2 - 2}{(x - 1)(x^2 + 1)(x^2 - 3x + 1)}$$

Sequence: A134430
Score: 5.80281
Type of gen. func.: ogf

{-a(n + 3) + a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = -2, a(2) = -2}

Sequence: A134430
Score: 5.85508
Type of gen. func.: ogf

$$(f(x) + 7)(f(x)x^3 - f(x)x^2 + f(x)x + x^2 - f(x) - 3x + 1)$$

Sequence: A134432
Score: 13.6868
Type of gen. func.: lgdegf]

$$\frac{x^3 - 3x^2 - x + 9}{(x - 1)(x - 2)(x + 1)}$$

Sequence: A134432
Score: 4.15659
Type of gen. func.: ogf

$\{(-n^2 - 7n - 12)\,a(n + 1) + (n^2 + 8n + 16)\,a(n + 2) + (-n - 2)\,a(n + 3),$

$a(0) = 0, a(1) = 1, a(2) = 9\}$

Sequence: A134437
Score: 21.8842
Type of gen. func.: lgdegf]

$$-\frac{2x+7}{(x+2)(x-1)}$$

Sequence: A134437
Score: 4.7297
Type of gen. func.: egf]

$$f(x)\,(2 f(x) x^3 - 6 f(x) x^2 + 6 f(x) x + x^2 - 2 f(x) + 2 x)$$

Sequence: A134437
Score: 8.21474
Type of gen. func.: egf]

$$-\frac{x (x+2)}{2 (x-1)^3}$$

Sequence: A134438
Score: 10.4832
Type of gen. func.: ogf

$$-\frac{(x-1)(x^2+x+1)}{x^6 - x^4 - 6 x^3 - 2 x^2 - x + 1}$$

Sequence: A134438
Score: 8.84312
Type of gen. func.: lgdogf

$$-\frac{3 x^8 - x^6 - 6 x^5 + 2 x^4 + 6 x^3 + 15 x^2 + 4 x + 1}{(x-1)(x^2+x+1)(x^6 - x^4 - 6 x^3 - 2 x^2 - x + 1)}$$

Sequence: A134449
Score: 5.58678
Type of gen. func.: ogf

$$\frac{x (x^5 - 6 x^4 + 2 x^3 - 16 x^2 - 3 x - 2)}{(x + 1)^4 (x - 1)^5}$$

Sequence: A134449
Score: 8.63533
Type of gen. func.: lgdogf

$$-\frac{4 x^6 - 29 x^5 + 11 x^4 - 134 x^3 - 34 x^2 - 53 x - 5}{(x - 1) (x + 1) (x^5 - 6 x^4 + 2 x^3 - 16 x^2 - 3 x - 2)}$$

Sequence: A134450
Score: 5.43330
Type of gen. func.: ogf

$$\frac{25 (1729 x^4 + 44938 x^3 + 114048 x^2 + 44918 x + 1727)}{(x - 1)^6}$$

Sequence: A134451
Score: 11.8872
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 1), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A134451
Score: 14.726
Type of gen. func.: ogf

$$-f(x) (f(x) x^2 + 2 x^2 - f(x) + x)$$

Sequence: A134451
Score: 21.9253
Type of gen. func.: ogf

$$-\frac{x (2 x + 1)}{(x - 1) (x + 1)}$$

Sequence: A134451
Score: 28.6082
Type of gen. func.: revogf

$$\frac{-1 + (4 x^2 + 8 x + 1)^{1/2}}{2 (x + 2)}$$

Sequence: A134451
Score: 30.3962
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 + x + 1)}{(x - 1) (2 x + 1) (x + 1)}$$

Sequence: A134455
Score: 8.27744
Type of gen. func.: ogf

$$-(2 f(x) x - f(x) - x + 1)^3$$

Sequence: A134456
Score: 10.1041
Type of gen. func.: ogf

$$- \frac{83 x^6 + 70 x^5 + 84 x^4 + 87 x^3 + 84 x^2 + 77 x + 83}{(x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A134461
Score: 14.6439
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{8 x^3 - 4 x^2 + 12 x - 4}{-x^4 + 1}$$

Sequence: A134465
Score: 10.6171
Type of gen. func.: ogf

$$-\frac{2x^2-2x-1}{(x-1)^4}$$

Sequence: A134465
Score: 18.8851
Type of gen. func.: lgdogf

$$-\frac{2(x+1)(-3+2x)}{(x-1)(2x^2-2x-1)}$$

Sequence: A134465
Score: 5.50814
Type of gen. func.: ogf

$$(43 f(x) + 1689)$$

$$(f(x)x^4 - 4 f(x)x^3 + 6 f(x)x^2 - 4 f(x)x + 2x^2 + f(x) - 2x - 1)$$

Sequence: A134479
Score: 13.3682
Type of gen. func.: ogf

$$\frac{x^3-3x^2-1}{(x-1)^3}$$

Sequence: A134479
Score: 6.53334
Type of gen. func.: ogf

$$\{a(n+4) - 3a(n+3) + 3a(n+2) - a(n+1), a(0) = 1, a(1) = 3, a(2) = 9,$$

$$a(3) = 18\}$$

Sequence: A134479
Score: 9.34337
Type of gen. func.: ogf

```
                   3           2    3                 2
             f(x) x  - 3 f(x) x  - x  + 3 f(x) x + 3 x  - f(x) + 1
```

Sequence: A134481
Score: 17.6283
Type of gen. func.: lgdogf

```
                                   5 (3 x + 1)
                      - ----------------------------------
                                  4      3      2
                        (x - 1) (x  - 4 x  + 6 x  + x + 1)
```

Sequence: A134481
Score: 4.68037
Type of gen. func.: ogf

```
      2                   2                         2
{(-3 n  - 9 n) a(n) + (2 n  - 6 n - 8) a(n + 1) + (n  + 3 n + 2) a(n + 2),

    a(0) = 1, a(1) = 5}
```

Sequence: A134481
Score: 4.77588
Type of gen. func.: ogf

```
                      4           3    4           2      3                 2
(14 f(x) + 31) (f(x) x  - 4 f(x) x  - x  + 6 f(x) x  + 4 x  - 4 f(x) x - 6 x

     + f(x) - x - 1)
```

Sequence: A134481
Score: 8.25947
Type of gen. func.: ogf

```
                             4      3      2
                            x  - 4 x  + 6 x  + x + 1
                            ------------------------
                                                   4
                                    (x - 1)
```

Sequence: A134489
Score: 12.0642
Type of gen. func.: ogf

$$-\frac{2 x + 1}{x^{2} + 11 x - 1}$$

Sequence: A134489
Score: 12.3498
Type of gen. func.: revogf

$$\frac{-1 - 11 x + ((5 x + 1) (1 + 25 x))^{1/2}}{2 (x + 2)}$$

Sequence: A134489
Score: 15.0942
Type of gen. func.: lgdogf

$$-\frac{2 x^{2} + 2 x + 13}{(2 x + 1) (x^{2} + 11 x - 1)}$$

Sequence: A134489
Score: 6.23541
Type of gen. func.: ogf

$$(145 f(x) + 24) (f(x) x^{2} + 11 f(x) x - f(x) + 2 x + 1)$$

Sequence: A134489
Score: 6.60656
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) - a(n), a(0) = 1, a(1) = 13\}$$

Sequence: A134490
Score: 12.1270
Type of gen. func.: ogf

$$\frac{x - 2}{x^2 + 11 x - 1}$$

Sequence: A134490
Score: 13.0067
Type of gen. func.: revogf

$$\frac{-2 - 11 x + (125 x^2 + 40 x + 4)^{1/2}}{2 (x - 1)}$$

Sequence: A134490
Score: 17.6219
Type of gen. func.: lgdogf

$$- \frac{(3 + x) (x - 7)}{(x - 2) (x^2 + 11 x - 1)}$$

Sequence: A134490
Score: 5.9983
Type of gen. func.: ogf

$$-(235 f(x) - 29) (f(x) x^2 + 11 f(x) x - f(x) - x + 2)$$

Sequence: A134490
Score: 6.64096
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) + a(n), a(0) = 2, a(1) = 21\}$$

Sequence: A134491
Score: 10.9633
Type of gen. func.: ogf

$$- \frac{3 + x}{x^2 + 11 x - 1}$$

Sequence: A134491
Score: 11.2041
Type of gen. func.: revogf

$$\frac{-3 - 11 x + ((25 x + 9) (5 x + 1))^{1/2}}{2 (x + 1)}$$

Sequence: A134491
Score: 15.4056
Type of gen. func.: lgdogf

$$-\frac{x^2 + 6 x + 34}{(3 + x) (x^2 + 11 x - 1)}$$

Sequence: A134491
Score: 5.79669
Type of gen. func.: ogf

$$(95 f(x) + 4) (f(x) x^2 + 11 f(x) x - f(x) + x + 3)$$

Sequence: A134491
Score: 6.00370
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) - a(n), a(0) = 3, a(1) = 34\}$$

Sequence: A134492
Score: 10.9281
Type of gen. func.: revogf

$$-\frac{-4 - 9 x + 2 (2 x + 1)^{1/2} (2 + 5 x)^{1/2} 2^{1/2}}{x}$$

Sequence: A134492
Score: 11.6796
Type of gen. func.: ogf

$$-f(x)\,x^2 + 18\,f(x)\,x - f(x) + 8\,x$$

Sequence: A134492
Score: 18.4415
Type of gen. func.: ogf

$$\frac{8\,x}{x^2 - 18\,x + 1}$$

Sequence: A134492
Score: 25.4989
Type of gen. func.: lgdogf

$$-\frac{2\,(x - 9)}{x^2 - 18\,x + 1}$$

Sequence: A134492
Score: 8.54606
Type of gen. func.: ogf

$$\{a(n + 2) - 18\,a(n + 1) + a(n),\ a(0) = 0,\ a(1) = 8\}$$

Sequence: A134493
Score: 12.7165
Type of gen. func.: revogf

$$-\frac{-18\,x - 1 + (320\,x^2 + 16\,x + 1)^{1/2}}{2\,(5 + x)}$$

Sequence: A134493
Score: 15.1892
Type of gen. func.: lgdogf

2

$$-\frac{5 x - 2 x + 13}{(5 x - 1) (x^2 - 18 x + 1)}$$

Sequence: A134493
Score: 15.6183
Type of gen. func.: ogf

$$-\frac{5 x - 1}{x^2 - 18 x + 1}$$

Sequence: A134493
Score: 7.72519
Type of gen. func.: ogf

$$-(232 f(x) - 63) (f(x) x^2 - 18 f(x) x + f(x) + 5 x - 1)$$

Sequence: A134493
Score: 8.55289
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1) + a(n), a(0) = 1, a(1) = 13\}$$

Sequence: A134494
Score: 10.5479
Type of gen. func.: revogf

$$-\frac{-18 x - 1 + ((8 x + 1) (40 x + 1))^{1/2}}{2 (-3 + x)}$$

Sequence: A134494
Score: 13.8630
Type of gen. func.: lgdogf

$$-\frac{(3 + x) (3 x - 7)}{(3 x + 1) (x^2 - 18 x + 1)}$$

Sequence: A134494
Score: 14.0748
Type of gen. func.: ogf

$$\frac{3 x + 1}{x^2 - 18 x + 1}$$

Sequence: A134494
Score: 7.27464
Type of gen. func.: ogf

$$(376 f(x) + 65) (f(x) x^2 - 18 f(x) x + f(x) - 3 x - 1)$$

Sequence: A134494
Score: 7.70765
Type of gen. func.: ogf

$$\{-a(n + 2) + 18 a(n + 1) - a(n), a(0) = 1, a(1) = 21\}$$

Sequence: A134495
Score: 11.0301
Type of gen. func.: ogf

$$- \frac{2 (x - 1)}{x^2 - 18 x + 1}$$

Sequence: A134495
Score: 13.4133
Type of gen. func.: revogf

$$- \frac{-1 - 9 x + (80 x^2 + 16 x + 1)^{1/2}}{x + 2}$$

Sequence: A134495
Score: 15.5092
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2x + 17}{(x - 1)(x^2 - 18x + 1)}$$

Sequence: A134495
Score: 5.45574
Type of gen. func.: ogf

$$-(152 f(x) - 15) (f(x) x^2 - 18 f(x) x + f(x) + 2 x - 2)$$

Sequence: A134495
Score: 6.04029
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1) + a(n), a(0) = 2, a(1) = 34\}$$

Sequence: A134496
Score: 13.4801
Type of gen. func.: ogf

$$-\frac{9 x^2 + 90 x - 100}{(x - 1)^2}$$

Sequence: A134496
Score: 20.5389
Type of gen. func.: lgdogf

$$-\frac{2 (-55 + 54 x)}{(x - 1) (9 x^2 + 90 x - 100)}$$

Sequence: A134496
Score: 6.98967
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 100, a(1) = 110, a(2) = 111\}$$

Sequence: A134496
Score: 7.32897
Type of gen. func.: ogf

$$-(f(x) + 5950) (f(x) x^2 - 2 f(x) x + 9 x^2 + f(x) + 90 x - 100)$$

Sequence: A134497
Score: 11.2752
Type of gen. func.: revogf

$$-\frac{-5 - 18 x + (320 x^2 + 176 x + 25)^{1/2}}{2 (x + 1)}$$

Sequence: A134497
Score: 14.6403
Type of gen. func.: ogf

$$-\frac{x - 5}{x^2 - 18 x + 1}$$

Sequence: A134497
Score: 15.3753
Type of gen. func.: lgdogf

$$-\frac{x^2 - 10 x + 89}{(x - 5) (x^2 - 18 x + 1)}$$

Sequence: A134497
Score: 7.16443
Type of gen. func.: ogf

$$-(1592 f(x) - 39) (f(x) x^2 - 18 f(x) x + f(x) + x - 5)$$

Sequence: A134497
Score: 8.01733
Type of gen. func.: ogf

$$\{a(n+2) - 18\,a(n+1) + a(n),\ a(0) = 5,\ a(1) = 89\}$$

Sequence: A134498
Score: 11.2059
Type of gen. func.: revogf

$$\frac{-13 - 29\,x + (65\,x^2 + 58\,x + 13)^{1/2}\,13^{1/2}}{2\,x}$$

Sequence: A134498
Score: 14.0051
Type of gen. func.: ogf

$$-\frac{13\,x}{x^2 + 29\,x - 1}$$

Sequence: A134498
Score: 24.4492
Type of gen. func.: lgdogf

$$-\frac{29 + 2\,x}{x^2 + 29\,x - 1}$$

Sequence: A134498
Score: 6.58072
Type of gen. func.: ogf

$$\{-a(n+2) + 29\,a(n+1) + a(n),\ a(0) = 0,\ a(1) = 13\}$$

Sequence: A134498
Score: 8.9541
Type of gen. func.: ogf

$$-f(x)\,x^2 - 29\,f(x)\,x + f(x) - 13\,x$$

Sequence: A134499
Score: 12.1150
Type of gen. func.: ogf

$$\frac{8 x - 1}{x^2 + 29 x - 1}$$

Sequence: A134499
Score: 12.7023
Type of gen. func.: revogf

$$\frac{-1 - 29 x + (845 x^2 + 26 x + 1)^{1/2}}{2 (-8 + x)}$$

Sequence: A134499
Score: 14.3737
Type of gen. func.: lgdogf

$$- \frac{(2 x + 3) (4 x - 7)}{(8 x - 1) (x^2 + 29 x - 1)}$$

Sequence: A134499
Score: 5.92862
Type of gen. func.: ogf

$$-(611 f(x) - 170) (f(x) x^2 + 29 f(x) x - f(x) - 8 x + 1)$$

Sequence: A134499
Score: 6.63442
Type of gen. func.: ogf

$$\{-a(n + 2) + 29 a(n + 1) + a(n), a(0) = 1, a(1) = 21\}$$

Sequence: A134500

Score: 12.2958
Type of gen. func.: ogf

$$-\frac{5x+1}{x^2+29x-1}$$

Sequence: A134500
Score: 12.3226
Type of gen. func.: revogf

$$\frac{-1-29x+((1+13x)(65x+1))^{1/2}}{2(5+x)}$$

Sequence: A134500
Score: 15.4033
Type of gen. func.: lgdogf

$$-\frac{5x^2+2x+34}{(5x+1)(x^2+29x-1)}$$

Sequence: A134500
Score: 6.35515
Type of gen. func.: ogf

$$(247 f(x)+42)(f(x) x^2+29 f(x) x-f(x)+5x+1)$$

Sequence: A134500
Score: 6.73343
Type of gen. func.: ogf

$$\{a(n+2)-29 a(n+1)-a(n), a(0)=1, a(1)=34\}$$

Sequence: A134501
Score: 12.4767
Type of gen. func.: ogf

$$3x-2$$

$$\overline{x^2 + 29 x - 1}$$

Sequence: A134501
Score: 12.7917
Type of gen. func.: revogf

$$\frac{-2 - 29 x + (845 x^2 + 104 x + 4)^{1/2}}{2 (-3 + x)}$$

Sequence: A134501
Score: 15.6343
Type of gen. func.: lgdogf

$$- \frac{(3 x + 11) (x - 5)}{(3 x - 2) (x^2 + 29 x - 1)}$$

Sequence: A134501
Score: 6.04132
Type of gen. func.: ogf

$$-(1599 f(x) - 173) (f(x) x^2 + 29 f(x) x - f(x) - 3 x + 2)$$

Sequence: A134501
Score: 6.83245
Type of gen. func.: ogf

$$\{-a(n + 2) + 29 a(n + 1) + a(n), a(0) = 2, a(1) = 55\}$$

Sequence: A134502
Score: 12.6575
Type of gen. func.: ogf

$$- \frac{2 x + 3}{x^2 + 29 x - 1}$$

Sequence: A134502
Score: 12.6923
Type of gen. func.: revogf

$$\frac{-3 - 29 x + ((65 x + 9) (1 + 13 x))^{1/2}}{2 (x + 2)}$$

Sequence: A134502
Score: 15.8654
Type of gen. func.: lgdogf

$$- \frac{2 x^2 + 6 x + 89}{(2 x + 3) (x^2 + 29 x - 1)}$$

Sequence: A134502
Score: 6.39828
Type of gen. func.: ogf

$$(2587 f(x) + 160) (f(x) x^2 + 29 f(x) x - f(x) + 2 x + 3)$$

Sequence: A134502
Score: 6.93148
Type of gen. func.: ogf

$$\{a(n + 2) - 29 a(n + 1) - a(n), a(0) = 3, a(1) = 89\}$$

Sequence: A134503
Score: 11.1854
Type of gen. func.: ogf

$$\frac{x - 5}{x^2 + 29 x - 1}$$

Sequence: A134503
Score: 11.4477
Type of gen. func.: revogf

$$\frac{-5 - 29 x + (845 x^2 + 286 x + 25)^{1/2}}{2 (x - 1)}$$

Sequence: A134503
Score: 15.7405
Type of gen. func.: lgdogf

$$- \frac{(x + 8) (x - 18)}{(x - 5) (x^2 + 29 x - 1)}$$

Sequence: A134503
Score: 5.47372
Type of gen. func.: ogf

$$-(2093 f(x) - 97) (f(x) x^2 + 29 f(x) x - f(x) - x + 5)$$

Sequence: A134503
Score: 6.05329
Type of gen. func.: ogf

$$\{-a(n + 2) + 29 a(n + 1) + a(n), a(0) = 5, a(1) = 144\}$$

Sequence: A134504
Score: 11.0677
Type of gen. func.: revogf

$$\frac{-8 - 29 x + ((13 x + 4) (65 x + 16))^{1/2}}{2 (x + 1)}$$

Sequence: A134504
Score: 11.3032
Type of gen. func.: ogf

$$- \frac{x + 8}{x^2 + 29 x - 1}$$

Sequence: A134504
Score: 14.9739
Type of gen. func.: lgdogf

$$-\frac{x^2 + 16 x + 233}{(x + 8) (x^2 + 29 x - 1)}$$

Sequence: A134504
Score: 5.71369
Type of gen. func.: ogf

$$(6773 f(x) + 105) (f(x) x^2 + 29 f(x) x - f(x) + x + 8)$$

Sequence: A134504
Score: 6.11701
Type of gen. func.: ogf

$$\{a(n + 2) - 29 a(n + 1) - a(n), a(0) = 8, a(1) = 233\}$$

Sequence: A134507
Score: 11.9575
Type of gen. func.: lgdogf

$$-\frac{25 x^4 + 38 x^3 + 60 x^2 + 38 x + 19}{(x - 1) (x^2 + x + 1) (5 x^2 + 3 x + 4)}$$

Sequence: A134507
Score: 7.63133
Type of gen. func.: ogf

$$-\frac{x (5 x^2 + 3 x + 4)}{(x^2 + x + 1) (x - 1)^5}$$

Sequence: A134508
Score: 8.06644
Type of gen. func.: ogf

$$-\frac{2x^4 - x^3 - x^2 + 2x - 1}{(x-1)^2 (x^2 + x - 1)^2}$$

Sequence: A134512
Score: 10.7652
Type of gen. func.: ogf

$$-\frac{(x-1)^2 (x+1)^2}{(x^2 - x - 1)(x^2 + x - 1)^2}$$

Sequence: A134519
Score: 18.4245
Type of gen. func.: lgdogf

$$-\frac{x^5 - x^4 + 4x + 2}{(x-1)(x+1)(x^4 - x^3 - x^2 + x + 1)}$$

Sequence: A134519
Score: 9.28931
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 - x^2 + x + 1}{(x+1)^2 (x-1)^3}$$

Sequence: A134522
Score: 5.87727
Type of gen. func.: ogf

$$(27 f(x) - 17)$$

$$(2 f(x) x^4 - 3 f(x) x^3 - f(x) x^2 + x^3 + 3 f(x) x - 3 x^2 - f(x) + 1)$$

Sequence: A134527
Score: 9.87736
Type of gen. func.: revogf

$$\frac{x (x^2 + 1) (x^4 - x^2 + 1) (x^8 - x^2 - 1)}{x^{14} - x^{13} - 2 x^9 - 2 x^7 - x^6 - x^5 - 2 x^3 - x^2 - x - 1}$$

Sequence: A134538
Score: 13.1049
Type of gen. func.: ogf

$$\frac{x^2 - 7 x - 4}{(x - 1)^3}$$

Sequence: A134538
Score: 23.7628
Type of gen. func.: lgdogf

$$- \frac{x^2 - 12 x - 19}{(x - 1) (x^2 - 7 x - 4)}$$

Sequence: A134538
Score: 6.83247
Type of gen. func.: ogf

$$(1196 f(x) - 9569) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 7 x + 4)$$

Sequence: A134538
Score: 7.01227
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 4, a(1) = 19, a(2) = 44}

Sequence: A134547
Score: 11.1991
Type of gen. func.: lgdogf

$$-\frac{2\,(2x^2 - 19x + 32)}{(x - 1)\,(4x^2 - 23x + 29)}$$

Sequence: A134547
Score: 3.97283
Type of gen. func.: ogf

$$(548 f(x) - 23371)\,(f(x)\,x^3 - 3 f(x)\,x^2 + 3 f(x)\,x + 4x^2 - f(x) - 23x + 29)$$

Sequence: A134547
Score: 4.07558
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 29, a(1) = 64, a(2) = 109}

Sequence: A134547
Score: 7.50424
Type of gen. func.: ogf

$$-\frac{4x^2 - 23x + 29}{(x - 1)^3}$$

Sequence: A134565
Score: 40.2540
Type of gen. func.: revogf

$$\frac{x\,(2x - 1)}{(x - 1)^3}$$

Sequence: A134565
Score: 7.73406

Type of gen. func.: ogf

$$f(x)^3 x^3 - 3 f(x)^2 x^2 - 2 f(x)^2 x + 3 f(x) x + f(x) - 1$$

Sequence: A134581
Score: 4.40481
Type of gen. func.: ogf

$$\{-a(n + 4) + 4 a(n + 3) - 7 a(n + 2) + 6 a(n + 1) - 3 a(n), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 3\}$$

Sequence: A134581
Score: 4.53342
Type of gen. func.: ogf

$$-(2 f(x) + 1) (3 f(x) x^4 - 6 f(x) x^3 + 7 f(x) x^2 - 2 x^3 - 4 f(x) x + 2 x^2 + f(x) - x)$$

Sequence: A134581
Score: 8.50792
Type of gen. func.: ogf

$$\frac{x (2 x^2 - 2 x + 1)}{(x^2 - x + 1) (3 x^2 - 3 x + 1)}$$

Sequence: A134581
Score: 9.27128
Type of gen. func.: lgdogf

$$- \frac{2 (2 x - 1) (3 x^4 - 6 x^3 + 6 x^2 - 3 x + 1)}{(x^2 - x + 1) (3 x^2 - 3 x + 1) (2 x^2 - 2 x + 1)}$$

Sequence: A134582
Score: 13.9283
Type of gen. func.: ogf

$$\frac{4 x (-3 + x)}{(x - 1)^{3}}$$

Sequence: A134582
Score: 37.9218
Type of gen. func.: lgdogf

$$- \frac{2 (-4 + x)}{(x - 1) (-3 + x)}$$

Sequence: A134582
Score: 7.14905
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 12, a(2) = 32\}$$

Sequence: A134582
Score: 7.48003
Type of gen. func.: ogf

$$(2 f(x) + 9) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x - 4 x^{2} - f(x) + 12 x)$$

Sequence: A134593
Score: 12.8935
Type of gen. func.: ogf

$$\frac{4 x^{2} - 13 x - 1}{(x - 1)^{3}}$$

Sequence: A134593
Score: 20.6361
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^{2} - 9 x - 8)}{(x - 1) (4 x^{2} - 13 x - 1)}$$

Sequence: A134593
Score: 6.71764
Type of gen. func.: ogf

$$(1244 f(x) - 14729) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 4 x^2 - f(x) + 13 x + 1)$$

Sequence: A134593
Score: 7.01227
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 16, a(2) = 41\}$$

Sequence: A134594
Score: 13.2636
Type of gen. func.: ogf

$$\frac{(x + 1) (4 x - 5)}{(x - 1)^3}$$

Sequence: A134594
Score: 21.4485
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^2 + 3 x - 8)}{(4 x - 5) (x - 1) (x + 1)}$$

Sequence: A134594
Score: 6.799
Type of gen. func.: ogf

$$(1772 f(x) - 138873) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 4 x^2 - f(x) + x + 5)$$

Sequence: A134594
Score: 7.09720
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 5, a(1) = 16, a(2) = 29\}$

Sequence: A134630
Score: 18.7527
Type of gen. func.: lgdogf

$$-\frac{3 (x^3 + 41 x^2 + 165 x + 93)}{(x - 1) (x^3 + 30 x^2 + 87 x + 32)}$$

Sequence: A134630
Score: 4.91582
Type of gen. func.: ogf

$$\{(68 n^2 + 278 n + 284) a(n + 1) + (-661 n^2 - 4680 n - 10323) a(n + 2)$$
$$+ (593 n^2 + 1777 n + 1184) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 128\}$$

Sequence: A134630
Score: 8.75909
Type of gen. func.: ogf

$$\frac{4 x^2 (x^3 + 30 x^2 + 87 x + 32)}{(x - 1)^6}$$

Sequence: A134631
Score: 17.7109
Type of gen. func.: lgdogf

$$-\frac{12 (8 x^3 + 37 x^2 + 27 x + 3)}{(x - 1) (32 x^3 + 87 x^2 + 30 x + 1)}$$

Sequence: A134631
Score: 4.95926
Type of gen. func.: ogf

$$\{(-593 n^2 - 2967 n - 3564) a(n + 1) + (661 n^2 + 608 n + 2179) a(n + 2) + (-68 n^2 - 266 n - 260) a(n + 3), a(0) = 0, a(1) = 4, a(2) = 144\}$$

Sequence: A134631
Score: 9.12316
Type of gen. func.: ogf

$$\frac{4 x (32 x^3 + 87 x^2 + 30 x + 1)}{(x - 1)^6}$$

Sequence: A134632
Score: 13.4703
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^4 + 109 x^3 + 411 x^2 + 331 x + 44)}{(x - 1) (5 x^4 + 66 x^3 + 156 x^2 + 70 x + 3)}$$

Sequence: A134632
Score: 8.40917
Type of gen. func.: ogf

$$\frac{2 x (5 x^4 + 66 x^3 + 156 x^2 + 70 x + 3)}{(x - 1)^6}$$

Sequence: A134633
Score: 14.1168
Type of gen. func.: lgdogf

$$- \frac{6 (x^4 + 37 x^3 + 139 x^2 + 107 x + 16)}{(x - 1) (3 x^4 + 70 x^3 + 156 x^2 + 66 x + 5)}$$

Sequence: A134633
Score: 8.44010
Type of gen. func.: ogf

$$\frac{2 x (3 x^4 + 70 x^3 + 156 x^2 + 66 x + 5)}{(x - 1)^6}$$

Sequence: A134635
Score: 5.95798
Type of gen. func.: ogf

$$\{(8 n^2 + 28 n + 24) a(n + 1) + (-6 n^2 - 24 n - 20) a(n + 2) + (n^2 + 5 n + 4) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A134635
Score: 8.48412
Type of gen. func.: ogf

$$-4 f(x)^2 x^3 + 4 f(x)^2 x^2 - f(x)^2 x + 8 f(x) x^2 - 8 f(x) x - 4 x^2 + 2 f(x) + 5 x - 2$$

Sequence: A134638
Score: 5.00510
Type of gen. func.: ogf

$$\{(-2 n - 10) a(n + 1) + (3 n + 11) a(n + 2) + (-n - 3) a(n + 3), a(0) = 1, a(1) = 8, a(2) = 28\}$$

Sequence: A134638
Score: 5.3551
Type of gen. func.: ogf

$$(1631 f(x) + 1353) (2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 - x^3 - 5 f(x) x + 3 x^2 + f(x) - 3 x - 1)$$

Sequence: A134638
Score: 9.94519
Type of gen. func.: ogf

$$\frac{x^3 - 3x^2 + 3x + 1}{(2x - 1)(x - 1)^3}$$

Sequence: A134654
Score: 12.6825
Type of gen. func.: ogf

$$-\frac{x^2 (x + 2)}{(2x - 1)(2x^2 + 2x + 1)}$$

Sequence: A134654
Score: 14.6092
Type of gen. func.: lgdogf

$$-\frac{8x^3 + 26x^2 + 8x + 1}{(2x - 1)(x + 2)(2x^2 + 2x + 1)}$$

Sequence: A134654
Score: 6.45450
Type of gen. func.: ogf

$$\{-a(n + 4) + 2 a(n + 2) + 4 a(n + 1), a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 1\}$$

Sequence: A134654
Score: 8.50475
Type of gen. func.: ogf

$$f(x) (4 f(x) x^3 + 2 f(x) x^2 + x^3 + 2 x^2 - f(x))$$

Sequence: A134667
Score: 12.5569

Type of gen. func.: ogf

$$\frac{x (x^2 + 1)}{(x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A134667
Score: 22.9017
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5 - x^3]$$

Sequence: A134667
Score: 25.0427
Type of gen. func.: lgdogf

$$- \frac{2 x^3 (x^2 + 2)}{(x^2 + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A134667
Score: 6.46132
Type of gen. func.: ogf

$$\{a(n + 4) + a(n + 2) + a(n), a(0) = 0, a(1) = 1, a(2) = 0, a(3) = 0\}$$

Sequence: A134667
Score: 8.21625
Type of gen. func.: ogf

$$f(x) (f(x) x^4 + f(x) x^2 - x^3 + f(x) - x)$$

Sequence: A134668
Score: 16.9487
Type of gen. func.: lgdogf

$$- \frac{x^6 - 2 x^5 + 2 x^4 - 4 x^3 - 2 x^2 - 1}{}$$

$$(x - 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1)$$

Sequence: A134668
Score: 17.5069
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5 - x^3 - 1]$$

Sequence: A134668
Score: 7.33471
Type of gen. func.: ogf

$$f(x) x^4 + f(x) x^2 + x^3 - x^2 + f(x) + x - 1$$

Sequence: A134668
Score: 8.91449
Type of gen. func.: ogf

$$- \frac{(x - 1) (x^2 + 1)}{(x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A134683
Score: 14.9850
Type of gen. func.: ogf

$$\frac{x^2 - 2 x - 1}{(2 x - 1) (2 x + 1)}$$

Sequence: A134683
Score: 16.7507
Type of gen. func.: lgdogf

$$\frac{2 (4 x^2 + 3 x + 1)}{(2 x + 1) (2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A134683
Score: 8.74127
Type of gen. func.: ogf

$$\{a(n+3) - 4\,a(n+1),\ a(0) = 1,\ a(1) = 2,\ a(2) = 3\}$$

Sequence: A134683
Score: 9.79022
Type of gen. func.: ogf

$$(3\,f(x) - 1)\,(4\,f(x)\,x^2 - x^2 - f(x) + 2\,x + 1)$$

Sequence: A134693
Score: 12.3592
Type of gen. func.: ogf

$$\{a(n+2) - 2\,a(n),\ a(0) = 3,\ a(1) = 9\}$$

Sequence: A134693
Score: 17.5776
Type of gen. func.: ogf

$$2\,f(x)\,x^2 - f(x) + 9\,x + 3$$

Sequence: A134693
Score: 19.2924
Type of gen. func.: ogf

$$-\frac{3\,(3\,x + 1)}{2\,x^2 - 1}$$

Sequence: A134693
Score: 20.9767
Type of gen. func.: revogf

$$-3 + (8\,x^2 + 36\,x + 9)^{1/2}$$

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       2 (9 + 2 x)
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Sequence: A134693
Score: 24.2543
Type of gen. func.: lgdogf

$$-\frac{6 x^2 + 4 x + 3}{(3 x + 1) (2 x^2 - 1)}$$

Sequence: A134702
Score: 4.65879
Type of gen. func.: ogf

$$(f(x) x - f(x) + 4 x + 7)^2$$

Sequence: A134704
Score: 6.88750
Type of gen. func.: lgdogf

$$-\frac{40 x^8 + 96 x^7 + 88 x^6 + 2 x^5 - 65 x^4 - 76 x^3 + 9 x^2 + 20 x + 3}{(x^2 + x - 1) (4 x^3 + x^2 - x - 1) (10 x^4 + 12 x^3 - x^2 - 3 x - 3)}$$

Sequence: A134704
Score: 8.33289
Type of gen. func.: ogf

$$-\frac{10 x^4 + 12 x^3 - x^2 - 3 x - 3}{(x^2 + x - 1) (4 x^3 + x^2 - x - 1)}$$

Sequence: A134719
Score: 6.04862
Type of gen. func.: ogf

$$(x + 1) (x^{10} - 2 x^9 + 3 x^8 - 4 x^7 + 4 x^6 - 2 x^5 + 6 x^4 - x^2 - 1)$$

$$\overline{\quad x^{12} + x^{8} + 7 x^{4} - 1 \quad}$$

Sequence: A134720
Score: 9.00701
Type of gen. func.: ogf

$$-\frac{2 x^{3} (x^{4} - x^{3} + 2 x^{2} + x + 1)}{x^{9} + x^{6} + 7 x^{3} - 1}$$

Sequence: A134752
Score: 14.2775
Type of gen. func.: ogf

$$-\frac{21 x - 5}{(9 x - 1) (x - 1)}$$

Sequence: A134752
Score: 14.6458
Type of gen. func.: revogf

$$-\frac{-5 - 10 x + (64 x^{2} + 16 x + 25)^{1/2}}{6 (3 x + 7)}$$

Sequence: A134752
Score: 16.0746
Type of gen. func.: lgdogf

$$-\frac{189 x^{2} - 90 x + 29}{(21 x - 5) (x - 1) (9 x - 1)}$$

Sequence: A134752
Score: 7.06362
Type of gen. func.: ogf

$$-(200 f(x) - 159) (9 f(x) x^{2} - 10 f(x) x + f(x) + 21 x - 5)$$

Sequence: A134752
Score: 7.98862
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 9 a(n), a(0) = 5, a(1) = 29\}$$

Sequence: A134757
Score: 19.5078
Type of gen. func.: lgdogf

$$- \frac{3 x^2 - 4 x - 3}{(x - 1) (3 x - 1) (x + 1)}$$

Sequence: A134757
Score: 3.69333
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-12 - 3 n) a(n + 3) + (-6 - n) a(n + 2)$$

$$+ (6 + 3 n) a(n + 1), a(0) = 1, a(1) = 3, a(2) = 11, a(3) = 37\}$$

Sequence: A134757
Score: 7.73654
Type of gen. func.: ogf

$$-27 f(x)^2 x^4 + 18 f(x)^2 x^2 - 8 f(x)^2 x + f(x)^2 - x^2 + 2 x - 1$$

Sequence: A134760
Score: 5.28277
Type of gen. func.: ogf

$$-4 f(x)^2 x^3 + 9 f(x)^2 x^2 - 6 f(x)^2 x + 8 f(x) x^2 + f(x)^2 - 10 f(x) x - 4 x^2$$

$$+ 2 f(x) + 4 x - 3$$

Sequence: A134762
Score: 5.33773

Type of gen. func.: ogf

$$4 f(x)^2 x^3 - 9 f(x)^2 x^2 + 6 f(x)^2 x - 16 f(x) x^2 - f(x)^2 + 20 f(x) x + 9 x^2 - 4 f(x) - 2 x + 5$$

Sequence: A134770
Score: 5.82574
Type of gen. func.: ogf

$$-4 f(x)^2 x^3 + 9 f(x)^2 x^2 - 6 f(x)^2 x + 24 f(x) x^2 + f(x)^2 - 30 f(x) x - 16 x^2 + 6 f(x) - 4 x - 7$$

Sequence: A134771
Score: 4.58754
Type of gen. func.: ogf

$$-4 f(x)^2 x^4 - 8 f(x)^2 x^3 - 3 f(x)^2 x^2 - 24 f(x) x^3 + 2 f(x)^2 x - 24 f(x) x^2 + f(x)^2 + 6 f(x) x - 52 x^2 + 6 f(x) - 32 x - 7$$

Sequence: A134804
Score: 10.4030
Type of gen. func.: ogf

$$-\frac{x (x^6 + 3 x^5 + 6 x^4 + x^3 + 6 x^2 + 3 x + 1)}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A134808
Score: 6.57486
Type of gen. func.: ogf

$$-\frac{x (9 x^9 - x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 101)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A134812
Score: 14.3540
Type of gen. func.: ogf

$$\frac{x (x^2 + x - 1)}{(2 x - 1) (2 x^2 + 2 x + 1)}$$

Sequence: A134812
Score: 14.7784
Type of gen. func.: lgdogf

$$- \frac{4 x^4 + 8 x^3 - 10 x^2 - 2 x + 1}{(2 x - 1) (2 x^2 + 2 x + 1) (x^2 + x - 1)}$$

Sequence: A134812
Score: 7.74859
Type of gen. func.: ogf

{-a(n + 4) + 2 a(n + 2) + 4 a(n + 1), a(0) = 0, a(1) = 1, a(2) = -1, a(3) = 1}

Sequence: A134812
Score: 8.66922
Type of gen. func.: ogf

$$-(f(x) - 1) (4 f(x) x^3 + 2 f(x) x^2 - x^3 - x^2 - f(x) + x)$$

Sequence: A134813
Score: 13.1438
Type of gen. func.: ogf

$$- \frac{x^2 + x - 1}{2 x^2 + 2 x + 1}$$

Sequence: A134813
Score: 5.62834
Type of gen. func.: lgdogf

$$\frac{3 (2 x + 1)}{(2 x^2 + 2 x + 1) (x^2 + x - 1)}$$

Sequence: A134813
Score: 6.82960
Type of gen. func.: ogf

$$\{a(n + 3) + 2 a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = -3, a(2) = 3\}$$

Sequence: A134813
Score: 7.49053
Type of gen. func.: ogf

$$(2 f(x) - 5) (2 f(x) x^2 + 2 f(x) x + x^2 + f(x) + x - 1)$$

Sequence: A134815
Score: 5.16905
Type of gen. func.: ogf

$$- \frac{3 x^7 + 2 x^6 + x^5 + 15 x^4 + 3 x^3 - x^2 + 15 x - 4}{(x^4 + x - 1) (x^4 + 5 x - 1)}$$

Sequence: A134816
Score: 16.4329
Type of gen. func.: ogf

$$- \frac{x + 1}{x^3 + x^2 - 1}$$

Sequence: A134816
Score: 20.7822
Type of gen. func.: lgdogf

$$- \frac{2 x^3 + 4 x^2 + 2 x + 1}{}$$

$$(x + 1) (x^3 + x^2 - 1)$$

Sequence: A134816
Score: 8.56606
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 1) - a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A134816
Score: 9.0473
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^3 + f(x) x^2 - f(x) + x + 1)$$

Sequence: A134823
Score: 5.28976
Type of gen. func.: ogf

$$-\frac{x^5 + 11 x^4 + x^3 + x^2 + 21 x - 4}{(x^2 + x - 1) (3 x^4 + 7 x - 1)}$$

Sequence: A134824
Score: 15.5946
Type of gen. func.: ogf

$$-f(x) x + 2 x^2 + f(x) - x$$

Sequence: A134824
Score: 18.6375
Type of gen. func.: ogf

$$\frac{x (2 x - 1)}{x - 1}$$

Sequence: A134824

Score: 36.1144
Type of gen. func.: revogf

$$\frac{1}{4} + \frac{x}{4} - \frac{(x^2 - 6x + 1)^{1/2}}{4}$$

Sequence: A134824
Score: 69.9717
Type of gen. func.: lgdogf

$$-\frac{1}{(2x - 1)(x - 1)}$$

Sequence: A134824
Score: 9.20646
Type of gen. func.: ogf

{a(n + 3) - a(n + 2), a(0) = 0, a(1) = 1, a(2) = -1}

Sequence: A134833
Score: 4.36977
Type of gen. func.: ogf

{(-4 n - 8) a(n + 1) + (-4 n - 6) a(n + 2) + (-n + 1) a(n + 3) + a(n + 4),

a(0) = 1, a(1) = -1, a(2) = 1, a(3) = 0}

Sequence: A134845
Score: 3.53140
Type of gen. func.: ogf

$$-\frac{5560 x^6 - 5396 x^4 + 110 x^3 - 96 x^2 - 101 x - 32}{(x - 1)(x + 1)(10 x^2 - 1)}$$

Sequence: A134869
Score: 11.9684
Type of gen. func.: ogf

3 2

$$-\frac{x - 2 x + x + 1}{(x - 1)^3}$$

Sequence: A134869
Score: 23.8217
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x + 4}{(x - 1) (x^3 - 2 x^2 + x + 1)}$$

Sequence: A134869
Score: 6.20917
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 4, a(2) = 7, a(3) = 11}

Sequence: A134869
Score: 6.82496
Type of gen. func.: ogf

$$(19 f(x) + 26) (f(x) x^3 - 3 f(x) x^2 + x^3 + 3 f(x) x - 2 x^2 - f(x) + x + 1)$$

Sequence: A134874
Score: 10.9470
Type of gen. func.: ogf

$$-\frac{1}{133 x^4 + 137 x - 1}$$

Sequence: A134874
Score: 11.9727
Type of gen. func.: lgdogf

$$-\frac{532 x^3 + 137}{}$$

$$133 x^4 + 137 x - 1$$

Sequence: A134874
Score: 2.0252
Type of gen. func.: ogf

$$133 f(x)^2 x^4 - 5142706 f(x)^2 x^3 - 532 f(x) x^4 + 112614 f(x)^2 x^2 + 266 x^4 - 685 f(x)^2 x - 112614 f(x) x^2 + f(x)^2 + 1096 f(x) x - f(x) - 548 x$$

Sequence: A134884
Score: 4.15699
Type of gen. func.: ogf

$$-\frac{8844 x^4 + 8509 x^3 - 137 x^2 - 209 x + 3}{(67 x^2 + 67 x + 1)(134 x^3 + 137 x - 1)}$$

Sequence: A134888
Score: 10.5085
Type of gen. func.: ogf

$$-453060 f(x) x + f(x) - 1$$

Sequence: A134914
Score: 5.13124
Type of gen. func.: ogf

$$-\frac{x^{38} + x^{37} - x^{27} - x^{26} - x^{19} - x^{18} - x^8 - x - 1}{(x - 1)(x^{37} - x^{18} - 1)}$$

Sequence: A134920
Score: 4.04501
Type of gen. func.: ogf

$$f(x)^2 x^4 - 4 f(x)^2 x^3 + 6 f(x)^2 x^2 + f(x) x^3 - 4 f(x)^2 x - 3 f(x) x^2 + f(x)^2$$

$$+ 3 f(x) x - x^2 - f(x)$$

Sequence: A134920
Score: 9.30940
Type of gen. func.: lgdogf

$$- \frac{x - 1 + (5 x^2 - 2 x + 1)^{1/2} x + (5 x^2 - 2 x + 1)^{1/2}}{(5 x^2 - 2 x + 1)^{1/2} x (x - 1)}$$

Sequence: A134927
Score: 14.6638
Type of gen. func.: ogf

$$\frac{2 x - 1}{3 x^2 + 3 x - 1}$$

Sequence: A134927
Score: 15.4046
Type of gen. func.: revogf

$$\frac{-1 - 3 x + (21 x^2 - 2 x + 1)^{1/2}}{2 (3 x - 2)}$$

Sequence: A134927
Score: 17.0262
Type of gen. func.: lgdogf

$$- \frac{6 x^2 - 6 x - 1}{(2 x - 1) (3 x^2 + 3 x - 1)}$$

Sequence: A134927
Score: 7.58471
Type of gen. func.: ogf

2

$$(39 f(x) - 38) (3 f(x) x + 3 f(x) x - f(x) - 2 x + 1)$$

Sequence: A134927
Score: 8.04720
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A134931
Score: 14.9873
Type of gen. func.: ogf

$$\frac{2 x + 1}{(3 x - 1) (x - 1)}$$

Sequence: A134931
Score: 15.3813
Type of gen. func.: revogf

$$-\frac{-1 - 4 x + (4 x^2 + 16 x + 1)^{1/2}}{2 (3 x - 2)}$$

Sequence: A134931
Score: 18.8970
Type of gen. func.: lgdogf

$$-\frac{6 (x^2 + x - 1)}{(x - 1) (3 x - 1) (2 x + 1)}$$

Sequence: A134931
Score: 7.66393
Type of gen. func.: ogf

$$(37 f(x) + 107) (3 f(x) x^2 - 4 f(x) x + f(x) - 2 x - 1)$$

Sequence: A134931

Score: 8.22472
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A134934
Score: 12.0737
Type of gen. func.: ogf

$$-\frac{169 x^2 + 222 x + 1}{(x - 1)^3}$$

Sequence: A134934
Score: 17.5104
Type of gen. func.: lgdogf

$$-\frac{169 x^2 + 782 x + 225}{(x - 1) (169 x^2 + 222 x + 1)}$$

Sequence: A134934
Score: 6.27833
Type of gen. func.: ogf

(17178 f(x) - 2411867)

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 169 x^2 - f(x) + 222 x + 1)$$

Sequence: A134934
Score: 6.76544
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 225, a(2) = 841\}$$

Sequence: A134939
Score: 5.0744
Type of gen. func.: ogf

-(13904 f(x) - 35969) (

$$2025\ f(x)\ x^4 - 1440\ f(x)\ x^3 + 342\ f(x)\ x^2 + 90\ x^3 - 32\ f(x)\ x + f(x) - 2\ x)$$

Sequence: A134939
Score: 7.75736
Type of gen. func.: lgdogf

$$- \frac{2\ (91125\ x^5 - 32400\ x^4 - 4050\ x^3 + 2880\ x^2 - 387\ x + 16)}{(15\ x - 1)\ (3\ x - 1)\ (9\ x - 1)\ (5\ x - 1)\ (45\ x^2 - 1)}$$

Sequence: A134939
Score: 9.94583
Type of gen. func.: ogf

$$- \frac{2\ x\ (45\ x^2 - 1)}{(15\ x - 1)\ (3\ x - 1)\ (9\ x - 1)\ (5\ x - 1)}$$

Sequence: A134940
Score: 4.36213
Type of gen. func.: ogf

$$-(341584\ f(x) - 1681929)\ (2025\ f(x)\ x^4 - 1440\ f(x)\ x^3 + 342\ f(x)\ x^2 - 135\ x^3$$
$$- 32\ f(x)\ x + 120\ x^2 + f(x) - 17\ x)$$

Sequence: A134940
Score: 6.28678
Type of gen. func.: lgdogf

$$- \frac{2\ (273375\ x^5 - 461700\ x^4 + 241650\ x^3 - 55080\ x^2 + 5679\ x - 212)}{(15\ x - 1)\ (3\ x - 1)\ (9\ x - 1)\ (5\ x - 1)\ (135\ x^2 - 120\ x + 17)}$$

Sequence: A134940
Score: 8.12260
Type of gen. func.: ogf

$$\frac{x\,(135\,x^2 - 120\,x + 17)}{(15\,x - 1)\,(3\,x - 1)\,(9\,x - 1)\,(5\,x - 1)}$$

Sequence: A134960
Score: 14.1192
Type of gen. func.: revogf

$$\frac{12585\,x}{(37755 + (1425440025 + 12585\,x)^{1/2})^2}$$

Sequence: A134960
Score: 15.0214
Type of gen. func.: ogf

$$\frac{453060\,x}{(x - 1)^2}$$

Sequence: A134960
Score: 47.9152
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A134960
Score: 7.33605
Type of gen. func.: ogf

$$\{a(n + 2) - 2\,a(n + 1) + a(n),\ a(0) = 0,\ a(1) = 453060\}$$

Sequence: A134960
Score: 77.6555
Type of gen. func.: lgdogf

$$-\frac{2}{x - 1}$$

Sequence: A134960
Score: 9.85781
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 453060 x$$

Sequence: A134965
Score: 13.4056
Type of gen. func.: ogf

$$\frac{4 x^2 + 9 x + 3}{(x + 1) (x - 1)^2}$$

Sequence: A134965
Score: 6.7028
Type of gen. func.: ogf

$$-(14144 f(x) + 5393) (f(x) x^3 - f(x) x^2 - f(x) x - 4 x^2 + f(x) - 9 x - 3)$$

Sequence: A134965
Score: 7.17317
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 3, a(1) = 12, a(2) = 19\}$$

Sequence: A134967
Score: 13.5980
Type of gen. func.: ogf

$$- \frac{x^3 + x^2 + x - 1}{(x - 1) (x^2 + 1) (x + 1)^2}$$

Sequence: A134967
Score: 16.5196
Type of gen. func.: lgdogf

$$-\frac{2\,(x^6+x^5+2\,x^4-3\,x^3+2\,x^2+1)}{(x-1)\,(x+1)\,(x^2+1)\,(x^3+x^2+x-1)}$$

Sequence: A134977
Score: 12.4279
Type of gen. func.: lgdogf

$$-\frac{2\,x^6-4\,x^5+11\,x^4-6\,x^3+5\,x^2-4\,x+4}{(x-1)\,(x+1)\,(x^2-x+1)\,(2\,x^3-2\,x^2+3\,x+1)}$$

Sequence: A134977
Score: 13.6392
Type of gen. func.: ogf

$$-\frac{2\,x^3-2\,x^2+3\,x+1}{(x-1)\,(x+1)\,(x^2-x+1)}$$

Sequence: A134977
Score: 7.35241
Type of gen. func.: ogf

$$-(714\,f(x)-6395)\,(f(x)\,x^4-f(x)\,x^3+2\,x^3+f(x)\,x-2\,x^2-f(x)+3\,x+1)$$

Sequence: A134987
Score: 13.3911
Type of gen. func.: ogf

$$-\frac{x^4}{(2\,x-1)\,(x^4+2\,x^2-2\,x+1)}$$

Sequence: A134987
Score: 6.52384
Type of gen. func.: ogf

$$2 f(x) x^5 - f(x) x^4 + 4 f(x) x^3 + x^4 - 6 f(x) x^2 + 4 f(x) x - f(x)$$

Sequence: A134990
Score: 15.6288
Type of gen. func.: ogf

$$-\frac{17 x^2 + 23 x + 8}{(x - 1) (x + 1)^2}$$

Sequence: A134990
Score: 21.1971
Type of gen. func.: lgdogf

$$-\frac{17 x^3 + 29 x^2 + 35 x + 15}{(x - 1) (x + 1) (17 x^2 + 23 x + 8)}$$

Sequence: A134990
Score: 8.00501
Type of gen. func.: ogf

$$-(4148 f(x) + 4341) (f(x) x^3 + f(x) x^2 - f(x) x + 17 x^2 - f(x) + 23 x + 8)$$

Sequence: A134990
Score: 8.63698
Type of gen. func.: ogf

$$\{a(n + 3) + a(n + 2) - a(n + 1) - a(n), a(0) = 8, a(1) = 15, a(2) = 10\}$$

Sequence: A134999
Score: 5.39203
Type of gen. func.: ogf

$$-\frac{98 x^{11} - x^{10} - x^9 - x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 100}{{}^{10}\quad {}^{9}\quad {}^{8}\quad {}^{7}\quad {}^{6}\quad {}^{5}\quad {}^{4}\quad {}^{3}\quad {}^{2}\qquad\qquad {}^{2}}$$

$$(x + x + x + x + x + x + x + x + x + x + 1) (x - 1)$$

Sequence: A135019
Score: 11.2180
Type of gen. func.: ogf

$$-\frac{x (2 x - 1)}{x^3 - 2 x^2 + x + 1}$$

Sequence: A135019
Score: 14.7139
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 7 x^2 + 4 x - 3}{(2 x - 1) (x^3 - 2 x^2 + x + 1)}$$

Sequence: A135019
Score: 5.70915
Type of gen. func.: ogf

$$-(11 f(x) - 8) (f(x) x^3 - 2 f(x) x^2 + f(x) x + 2 x^2 + f(x) - x)$$

Sequence: A135019
Score: 5.76059
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) + 2 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = -3\}$$

Sequence: A135030
Score: 15.2226
Type of gen. func.: ogf

$$-\frac{x}{2 x^2 + 6 x - 1}$$

Sequence: A135030
Score: 15.3917
Type of gen. func.: revogf

$$\frac{-1 - 6 x + (44 x^2 + 12 x + 1)^{1/2}}{4 x}$$

Sequence: A135030
Score: 23.0876
Type of gen. func.: lgdogf

$$- \frac{2 (2 x + 3)}{2 x^2 + 6 x - 1}$$

Sequence: A135030
Score: 6.95353
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A135030
Score: 9.54638
Type of gen. func.: ogf

$$-2 f(x) x^2 - 6 f(x) x + f(x) - x$$

Sequence: A135032
Score: 15.5517
Type of gen. func.: ogf

$$- \frac{x}{4 x^2 + 6 x - 1}$$

Sequence: A135032
Score: 15.7300
Type of gen. func.: revogf

$$\frac{-1 - 6 x + (52 x^2 + 12 x + 1)^{1/2}}{8 x}$$

Sequence: A135032
Score: 23.5950
Type of gen. func.: lgdogf

$$- \frac{2 (4 x + 3)}{4 x^2 + 6 x - 1}$$

Sequence: A135032
Score: 7.10388
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A135032
Score: 9.75279
Type of gen. func.: ogf

$$-4 f(x) x^2 - 6 f(x) x + f(x) - x$$

Sequence: A135033
Score: 11.7190
Type of gen. func.: lgdogf

$$- \frac{8 x^7 + 9 x^6 + 8 x^5 + 5 x^4 + 12 x^2 + 6 x + 2}{(x - 1) (4 x^3 + 3 x^2 + 2 x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A135033
Score: 15.6765
Type of gen. func.: ogf

$$- \frac{2 (4 x^3 + 3 x^2 + 2 x + 1)}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A135035
Score: 4.22607
Type of gen. func.: ogf

$$(-11 + 14 f(x)) (8 f(x) x^4 - 16 f(x) x^3 + 2 x^4 + 14 f(x) x^2 - 2 x^3 - 6 f(x) x - 2 x^2 + f(x) + 3 x - 1)$$

Sequence: A135035
Score: 7.23776
Type of gen. func.: ogf

$$- \frac{(x - 1) (2 x^3 - 2 x + 1)}{(2 x^2 - 2 x + 1) (2 x - 1)^2}$$

Sequence: A135035
Score: 7.80020
Type of gen. func.: lgdogf

$$- \frac{8 x^5 - 40 x^4 + 64 x^3 - 48 x^2 + 18 x - 3}{(x - 1) (2 x - 1) (2 x^2 - 2 x + 1) (2 x^3 - 2 x + 1)}$$

Sequence: A135036
Score: 11.8044
Type of gen. func.: ogf

$$\frac{2 x (3 + x)}{(x - 1)^4}$$

Sequence: A135036
Score: 36.0105
Type of gen. func.: lgdogf

$$- \frac{13 + 3 x}{}$$

$$(3 + x) (x - 1)$$

Sequence: A135036
Score: 5.08137
Type of gen. func.: ogf

$$\{(6 + 3 n) a(n + 3) + (-15 - 2 n) a(n + 2) + (-n - 3) a(n + 1), a(0) = 0, a(1) = 6, a(2) = 26\}$$

Sequence: A135036
Score: 5.56005
Type of gen. func.: ogf

$$-(88960 f(x) + 347363) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 2 x^2 + f(x) - 6 x)$$

Sequence: A135037
Score: 18.6121
Type of gen. func.: lgdogf

$$- \frac{3 (x^2 + 22 x + 22)}{(x - 1) (x^2 + 16 x + 10)}$$

Sequence: A135037
Score: 8.00282
Type of gen. func.: ogf

$$- \frac{6 x (x^2 + 16 x + 10)}{(x - 1)^5}$$

Sequence: A135038
Score: 12.0410
Type of gen. func.: lgdogf

$$- \frac{3 x^3 + 263 x^2 + 905 x + 365}{}$$

$$(x - 1) (x^3 + 65 x^2 + 155 x + 35)$$

Sequence: A135038
Score: 3.34959
Type of gen. func.: ogf

$$\{(2 n^2 + 17 n + 33) a(n + 1) + (476 n^2 + 4426 n + 10301) a(n + 2) + (-478 n^2 - 2043 n - 2174) a(n + 3), a(0) = 0, a(1) = 840, a(2) = 8760\}$$

Sequence: A135038
Score: 6.05385
Type of gen. func.: ogf

$$\frac{24 x (x^3 + 65 x^2 + 155 x + 35)}{(x - 1)^6}$$

Sequence: A135042
Score: 12.9628
Type of gen. func.: ogf

$$\frac{2 x^3 + 2 x^2 + 1}{(x - 1)^2}$$

Sequence: A135042
Score: 17.2161
Type of gen. func.: lgdogf

$$\frac{2 (x^3 - 3 x^2 - 2 x - 1)}{(x - 1) (2 x^3 + 2 x^2 + 1)}$$

Sequence: A135042
Score: 6.42506
Type of gen. func.: ogf

$\{a(n + 4) - 2\, a(n + 3) + a(n + 2),\ a(0) = 1,\ a(1) = 2,\ a(2) = 5,\ a(3) = 10\}$

Sequence: A135042
Score: 7.53962
Type of gen. func.: ogf

$$(13\, f(x) - 6)\, (f(x)\, x^2 - 2\, x^3 - 2\, f(x)\, x - 2\, x^2 + f(x) - 1)$$

Sequence: A135043
Score: 10.0502
Type of gen. func.: lgdogf

$$- \frac{2\, (x^4 + 11\, x^3 + 6\, x^2 + 5\, x + 4)}{(x - 1)\, (x^2 + x + 1)\, (x^2 + 7\, x + 1)}$$

Sequence: A135043
Score: 4.79691
Type of gen. func.: ogf

$$-(87\, f(x) + 661)\, (f(x)\, x^4 - f(x)\, x^3 - x^3 - f(x)\, x - 7\, x^2 + f(x) - x)$$

Sequence: A135043
Score: 9.00343
Type of gen. func.: ogf

$$\frac{x\, (x^2 + 7\, x + 1)}{(x^2 + x + 1)\, (x - 1)^2}$$

Sequence: A135050
Score: 5.3866
Type of gen. func.: ogf

$-(138153600\, f(x) - 2675321107)$

$$(-60\, x^4 + 10\, f(x)\, x^2 + 27\, x^3 - 11\, f(x)\, x + 27\, x^2 + f(x) + 17\, x - 2)$$

Sequence: A135050
Score: 9.76768
Type of gen. func.: ogf

$$\frac{60 x^4 - 27 x^3 - 27 x^2 - 17 x + 2}{(10 x - 1) (x - 1)}$$

Sequence: A135051
Score: 11.2471
Type of gen. func.: ogf

$$-\frac{7 x^4 + 72 x^3 + 98 x^2 + 72 x + 7}{(x + 1)^2 (x - 1)^3}$$

Sequence: A135052
Score: 7.85304
Type of gen. func.: ogf

$$f(x)^2 x^3 - f(x)^2 x^2 - 2 f(x) x + f(x) + x - 1$$

Sequence: A135055
Score: 8.96398
Type of gen. func.: lgdogf

$$-\frac{4 x^8 + 8 x^7 + 9 x^6 + 2 x^5 - 20 x^4 + 2 x^3 + 4 x^2 + 2 x - 1}{(2 x - 1) (x + 1) (2 x^2 + x + 2) (x^5 + x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A135055
Score: 9.63869
Type of gen. func.: ogf

$$-\frac{(2 x - 1) (x + 1) (2 x^2 + x + 2)}{x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A135056
Score: 8.00406
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^{7}+x^{6}-2\,x^{5}-5\,x^{4}-5\,x^{3}+x^{2}-x-1)}{(x-1)\,(2\,x^{2}+2\,x+1)\,(x^{5}+x^{4}+x^{3}+x^{2}+x-1)}$$

Sequence: A135056
Score: 8.33119
Type of gen. func.: ogf

$$\frac{x\,(x-1)\,(2\,x^{2}+2\,x+1)}{x^{5}+x^{4}+x^{3}+x^{2}+x-1}$$

Sequence: A135064
Score: 15.9151
Type of gen. func.: ogf

$$-\frac{3\,x^{2}-8\,x-1}{x^{2}-3\,x+1}$$

Sequence: A135064
Score: 21.2793
Type of gen. func.: lgdogf

$$-\frac{x^{2}-8\,x+11}{(x^{2}-3\,x+1)\,(3\,x^{2}-8\,x-1)}$$

Sequence: A135064
Score: 8.11056
Type of gen. func.: ogf

$$\{-a(n+3)+3\,a(n+2)-a(n+1),\ a(0)=1,\ a(1)=11,\ a(2)=29\}$$

Sequence: A135064
Score: 8.87892
Type of gen. func.: ogf

$$(25 f(x) + 96) (f(x) x^2 - 3 f(x) x + 3 x^2 + f(x) - 8 x - 1)$$

Sequence: A135092
Score: 11.1208
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 7\}$$

Sequence: A135092
Score: 17.7933
Type of gen. func.: ogf

$$-2 f(x) x + f(x) - 5 x - 1$$

Sequence: A135092
Score: 21.2626
Type of gen. func.: revogf

$$- 1/10 - x/5 + \frac{(4 x^2 + 24 x + 1)^{1/2}}{10}$$

Sequence: A135092
Score: 21.6406
Type of gen. func.: ogf

$$- \frac{5 x + 1}{2 x - 1}$$

Sequence: A135092
Score: 43.7064
Type of gen. func.: lgdogf

$$-\frac{}{(5 x + 1) (2 x - 1)}$$

Sequence: A135094
Score: 12.4037
Type of gen. func.: ogf

$$\frac{x (x + 1)}{(2 x - 1) (2 x^2 - 1)}$$

Sequence: A135094
Score: 14.8216
Type of gen. func.: lgdogf

$$-\frac{8 x^3 + 10 x^2 - 4 x - 3}{(2 x - 1) (x + 1) (2 x^2 - 1)}$$

Sequence: A135094
Score: 6.36947
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 1, a(2) = 3\}$$

Sequence: A135094
Score: 6.60757
Type of gen. func.: ogf

$$(3 f(x) + 1) (4 f(x) x^3 - 2 f(x) x^2 - 2 f(x) x - x^2 + f(x) - x)$$

Sequence: A135098
Score: 12.5014
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^2 - 2 x - 1) (x^2 + x - 1)}{(x - 1) (2 x - 1) (x + 1) (2 x^2 - 1)}$$

Sequence: A135098
Score: 12.5253
Type of gen. func.: ogf

$$-\frac{(x-1)(x+1)}{(2x-1)(2x^2-1)}$$

Sequence: A135098
Score: 6.31807
Type of gen. func.: ogf

$$-(34 f(x) + 71) (4 f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + x^2 + f(x) - 1)$$

Sequence: A135098
Score: 6.37448
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 2, a(2) = 5}

Sequence: A135138
Score: 11.4424
Type of gen. func.: ogf

$$-2 f(x) x^3 - 5 f(x) x^2 - x^2 + f(x)$$

Sequence: A135138
Score: 17.5823
Type of gen. func.: ogf

$$-\frac{x^2}{(2x+1)(x^2+2x-1)}$$

Sequence: A135138
Score: 22.4190
Type of gen. func.: lgdogf

$$-\frac{2 x (5 + 3 x)}{(2 x + 1) (x^2 + 2 x - 1)}$$

Sequence: A135138
Score: 7.83559
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A135139
Score: 12.1974
Type of gen. func.: lgdogf

$$-\frac{2 (x + 1) (x^3 - 5 x^2 - 3 x - 1)}{(2 x + 1) (x^2 + 2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A135139
Score: 12.6501
Type of gen. func.: ogf

$$\frac{x^2 - 2 x - 1}{(2 x + 1) (x^2 + 2 x - 1)}$$

Sequence: A135139
Score: 7.67079
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A135139
Score: 7.75327
Type of gen. func.: ogf

$$(7 f(x) - 3) (2 f(x) x^3 + 5 f(x) x^2 - x^2 - f(x) + 2 x + 1)$$

Sequence: A135153
Score: 14.3849
Type of gen. func.: ogf

$$-\frac{(x + 1) x^2}{x^4 + 2 x^2 - 1}$$

Sequence: A135153
Score: 8.45301
Type of gen. func.: ogf

$$-(f(x) + 1) (f(x) x^4 + 2 f(x) x^2 + x^3 + x^2 - f(x))$$

Sequence: A135158
Score: 12.5130
Type of gen. func.: lgdogf

$$-\frac{6 x (95 x^3 - 100 x^2 + 35 x - 4)}{(3 x - 1) (2 x - 1) (5 x - 1) (19 x^2 - 10 x + 1)}$$

Sequence: A135158
Score: 13.1805
Type of gen. func.: ogf

$$\frac{19 x^2 - 10 x + 1}{(3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A135158
Score: 7.56446
Type of gen. func.: ogf

$\{-a(n + 3) + 10 a(n + 2) - 31 a(n + 1) + 30 a(n), a(0) = -1, a(1) = 0,$

$a(2) = 12\}$

Sequence: A135158
Score: 9.25438
Type of gen. func.: ogf

$$30 f(x) x^3 - 31 f(x) x^2 + 10 f(x) x - 19 x^2 - f(x) + 10 x - 1$$

Sequence: A135159
Score: 11.8273
Type of gen. func.: lgdogf

$$-\frac{2 (165 x^4 - 180 x^3 + 83 x^2 - 20 x + 2)}{(3 x - 1) (2 x - 1) (5 x - 1) (11 x^2 - 6 x + 1)}$$

Sequence: A135159
Score: 13.4835
Type of gen. func.: ogf

$$-\frac{11 x^2 - 6 x + 1}{(3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A135159
Score: 7.30357
Type of gen. func.: ogf

$$-(9 f(x) + 11) (30 f(x) x^3 - 31 f(x) x^2 + 10 f(x) x + 11 x^2 - f(x) - 6 x + 1)$$

Sequence: A135159
Score: 7.55542
Type of gen. func.: ogf

$$\{-a(n + 3) + 10 a(n + 2) - 31 a(n + 1) + 30 a(n), a(0) = 1, a(1) = 4, a(2) = 20\}$$

Sequence: A135160
Score: 12.8865
Type of gen. func.: lgdogf

$$- \frac{6 (5 x^4 - 40 x^3 + 34 x^2 - 10 x + 1)}{(3 x - 1) (2 x - 1) (5 x - 1) (x^2 - 4 x + 1)}$$

Sequence: A135160
Score: 13.6942
Type of gen. func.: ogf

$$- \frac{x^2 - 4 x + 1}{(3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A135160
Score: 7.36494
Type of gen. func.: ogf

$$-(2 f(x) + 13) (30 f(x) x^3 - 31 f(x) x^2 + 10 f(x) x + x^2 - f(x) - 4 x + 1)$$

Sequence: A135160
Score: 7.55542
Type of gen. func.: ogf

{a(n + 3) - 10 a(n + 2) + 31 a(n + 1) - 30 a(n), a(0) = 1, a(1) = 6, a(2) = 30}

Sequence: A135161
Score: 5.04493
Type of gen. func.: ogf

$$(3051 f(x) + 42449) (210 f(x) x^4 - 247 f(x) x^3 + 101 f(x) x^2 - 187 x^3 - 17 f(x) x + 140 x^2 + f(x) - 31 x + 2)$$

Sequence: A135161
Score: 6.73049
Type of gen. func.: lgdogf

$$- \frac{39270 x^6 - 58800 x^5 + 35223 x^4 - 10636 x^3 + 1672 x^2 - 124 x + 3}{}$$

$$(5x-1)(3x-1)(2x-1)(7x-1)(187x^3-140x^2+31x-2)$$

Sequence: A135161
Score: 8.84279
Type of gen. func.: ogf

$$\frac{187x^3-140x^2+31x-2}{(3x-1)(2x-1)(7x-1)(5x-1)}$$

Sequence: A135162
Score: 5.15706
Type of gen. func.: ogf

$$-(2825 f(x) - 18099)(210 f(x) x^4 - 247 f(x) x^3 + 101 f(x) x^2 + 23 x^3$$
$$- 17 f(x) x - 2x^2 + f(x) - x)$$

Sequence: A135162
Score: 8.41811
Type of gen. func.: lgdogf

$$-\frac{9660x^5-6941x^4+148x^3+930x^2-248x+19}{(3x-1)(2x-1)(7x-1)(5x-1)(23x^2-2x-1)}$$

Sequence: A135162
Score: 9.67743
Type of gen. func.: ogf

$$-\frac{x(23x^2-2x-1)}{(3x-1)(2x-1)(7x-1)(5x-1)}$$

Sequence: A135163
Score: 5.29644
Type of gen. func.: ogf

4 3 2 3

$$(3051 f(x) + 2003) (210 f(x) x - 247 f(x) x + 101 f(x) x - 47 x - 17 f(x) x$$

$$+ 22 x^2 + f(x) - 3 x)$$

Sequence: A135163
Score: 7.82289
Type of gen. func.: lgdogf

$$- \frac{19740 x^5 - 25469 x^4 + 13388 x^3 - 3646 x^2 + 512 x - 29}{(3 x - 1) (2 x - 1) (7 x - 1) (5 x - 1) (47 x^2 - 22 x + 3)}$$

Sequence: A135163
Score: 9.55941
Type of gen. func.: ogf

$$\frac{x (47 x^2 - 22 x + 3)}{(3 x - 1) (2 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A135164
Score: 5.04493
Type of gen. func.: ogf

$$(2825 f(x) - 55549) (210 f(x) x^4 - 247 f(x) x^3 + 101 f(x) x^2 + 163 x^3$$

$$- 17 f(x) x - 120 x^2 + f(x) + 27 x - 2)$$

Sequence: A135164
Score: 6.73449
Type of gen. func.: lgdogf

$$- \frac{34230 x^6 - 50400 x^5 + 30187 x^4 - 9476 x^3 + 1680 x^2 - 164 x + 7}{(3 x - 1) (2 x - 1) (7 x - 1) (5 x - 1) (163 x^3 - 120 x^2 + 27 x - 2)}$$

Sequence: A135164
Score: 8.84279
Type of gen. func.: ogf

$$-\frac{163 x^3 - 120 x^2 + 27 x - 2}{(3 x - 1) (2 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A135165
Score: 5.15706
Type of gen. func.: ogf

$$-(113 f(x) + 2351) (210 f(x) x^4 - 247 f(x) x^3 + 101 f(x) x^2 - 103 x^3 - 17 f(x) x + 58 x^2 + f(x) - 7 x)$$

Sequence: A135165
Score: 7.66798
Type of gen. func.: lgdogf

$$-\frac{43260 x^5 - 61981 x^4 + 34532 x^3 - 9294 x^2 + 1208 x - 61}{(3 x - 1) (2 x - 1) (7 x - 1) (5 x - 1) (103 x^2 - 58 x + 7)}$$

Sequence: A135165
Score: 9.44424
Type of gen. func.: ogf

$$\frac{x (103 x^2 - 58 x + 7)}{(3 x - 1) (2 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A135166
Score: 4.9384
Type of gen. func.: ogf

$$-(76275 f(x) + 37027) (210 f(x) x^4 - 247 f(x) x^3 + 101 f(x) x^2 + 107 x^3 - 17 f(x) x - 84 x^2 + f(x) + 23 x - 2)$$

Sequence: A135166

Score: 6.76175
Type of gen. func.: lgdogf

$$-\frac{22470 x^6 - 35280 x^5 + 24431 x^4 - 9404 x^3 + 2056 x^2 - 236 x + 11}{(7 x - 1) (3 x - 1) (5 x - 1) (2 x - 1) (107 x^3 - 84 x^2 + 23 x - 2)}$$

Sequence: A135166
Score: 8.97890
Type of gen. func.: ogf

$$-\frac{107 x^3 - 84 x^2 + 23 x - 2}{(3 x - 1) (2 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A135167
Score: 5.23275
Type of gen. func.: ogf

$$(113 f(x) + 853) (210 f(x) x^4 - 247 f(x) x^3 + 101 f(x) x^2 + 37 x^3 - 17 f(x) x - 60 x^2 + f(x) + 21 x - 2)$$

Sequence: A135167
Score: 6.82107
Type of gen. func.: lgdogf

$$-\frac{7770 x^6 - 25200 x^5 + 24313 x^4 - 10796 x^3 + 2472 x^2 - 284 x + 13}{(7 x - 1) (3 x - 1) (5 x - 1) (2 x - 1) (37 x^3 - 60 x^2 + 21 x - 2)}$$

Sequence: A135167
Score: 9.08210
Type of gen. func.: ogf

$$-\frac{37 x^3 - 60 x^2 + 21 x - 2}{(3 x - 1) (2 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A135168
Score: 4.42668
Type of gen. func.: ogf

$$-(76275 f(x) - 974123) (210 f(x) x^4 - 247 f(x) x^3 + 101 f(x) x^2 + 247 x^3 - 17 f(x) x - 202 x^2 + f(x) + 51 x - 4)$$

Sequence: A135168
Score: 6.02357
Type of gen. func.: lgdogf

$$-\frac{51870 x^6 - 84840 x^5 + 57077 x^4 - 20156 x^3 + 3940 x^2 - 404 x + 17}{(3 x - 1) (2 x - 1) (7 x - 1) (5 x - 1) (247 x^3 - 202 x^2 + 51 x - 4)}$$

Sequence: A135168
Score: 8.05754
Type of gen. func.: ogf

$$-\frac{247 x^3 - 202 x^2 + 51 x - 4}{(3 x - 1) (2 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A135169
Score: 12.7789
Type of gen. func.: ogf

$$-\frac{5 x^2 + 4 x + 1}{(x - 1) (x^2 + 1)}$$

Sequence: A135169
Score: 18.6418
Type of gen. func.: lgdogf

$$-\frac{5 x^4 + 8 x^3 - 6 x^2 + 8 x + 5}{(x - 1) (x^2 + 1) (5 x^2 + 4 x + 1)}$$

Sequence: A135169
Score: 6.60602
Type of gen. func.: ogf

$$-(17 f(x) + 319) (f(x) x^3 - f(x) x^2 + f(x) x + 5 x^2 - f(x) + 4 x + 1)$$

Sequence: A135169
Score: 6.95992
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 5, a(2) = 9\}$$

Sequence: A135203
Score: 10.5039
Type of gen. func.: ogf

$$-\frac{2 x^{49} - 2 x^{48} + x^{24} - x^{23} + 2 x^8 - 2 x^7 + 2 x + 1}{x - 1}$$

Sequence: A135211
Score: 10.1522
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{10} - x^7 - x^6 - x^4 - x^3 - 1}{x^{12} - 1}$$

Sequence: A135218
Score: 17.4563
Type of gen. func.: lgdegf]

$$-\frac{10 x^2 + x + 1}{(2 x + 1) (x - 1)}$$

Sequence: A135231

Score: 7.70734
Type of gen. func.: ogf

$$-(f(x) + 7) (2 f(x) x^3 - f(x) x^2 + 2 x^3 - 2 f(x) x + x^2 + f(x) - 1)$$

Sequence: A135246
Score: 12.1459
Type of gen. func.: ogf

$$-(6 f(x) - 1) (f(x) x^4 + 2 f(x) x^2 + x^3 + 3 x^2 - f(x) + 3 x + 1)$$

Sequence: A135246
Score: 19.6203
Type of gen. func.: ogf

$$-\frac{(x + 1)^3}{x^4 + 2 x^2 - 1}$$

Sequence: A135247
Score: 19.1629
Type of gen. func.: ogf

$$\frac{x^2}{(3 x - 1) (2 x^2 - 1)}$$

Sequence: A135247
Score: 7.14252
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 2 a(n + 1) + 6 a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A135247
Score: 9.69971
Type of gen. func.: ogf

$$-6 f(x) x^3 + 2 f(x) x^2 + 3 f(x) x + x^2 - f(x)$$

Sequence: A135248
Score: 18.8502
Type of gen. func.: ogf

$$-\frac{x^3}{2x^4 - 4x^2 + 4x - 1}$$

Sequence: A135248
Score: 6.38727
Type of gen. func.: ogf

{a(n + 4) - 4 a(n + 3) + 4 a(n + 2) - 2 a(n), a(0) = 0, a(1) = 0, a(2) = 0,

a(3) = 1}

Sequence: A135248
Score: 9.54147
Type of gen. func.: ogf

$$2 f(x) x^4 - 4 f(x) x^2 + x^3 + 4 f(x) x - f(x)$$

Sequence: A135254
Score: 10.7490
Type of gen. func.: ogf

$$\frac{x^2 (2x - 1)}{(3x - 1)(3x^2 - 3x + 1)}$$

Sequence: A135254
Score: 11.9959
Type of gen. func.: lgdogf

$$-\frac{(3x - 2)(12x^2 - 9x + 2)}{(3x - 1)(2x - 1)(3x^2 - 3x + 1)}$$

Sequence: A135254
Score: 5.08733
Type of gen. func.: ogf

```
{a(n + 4) - 6 a(n + 3) + 12 a(n + 2) - 9 a(n + 1), a(0) = 0, a(1) = 0, a(2) = 1,

    a(3) = 4}
```

Sequence: A135254
Score: 6.40809
Type of gen. func.: ogf

```
                        3            2      3               2
          f(x) (9 f(x) x  - 12 f(x) x  - 2 x  + 6 f(x) x + x  - f(x))
```

Sequence: A135258
Score: 12.4969
Type of gen. func.: ogf

```
                                    x (x + 1)
                        - ------------------------------
                                              2
                          (2 x + 1) (x - 1) (x  + x + 1)
```

Sequence: A135258
Score: 13.0719
Type of gen. func.: lgdogf

```
                            2                 2
                        (2 x  + 2 x - 1) (3 x  + 2 x + 1)
                    - --------------------------------------
                                                    2
                      (x - 1) (2 x + 1) (x + 1) (x  + x + 1)
```

Sequence: A135258
Score: 6.41734
Type of gen. func.: ogf

```
                               4         3               2
          -(f(x) - 1) (2 f(x) x  + f(x) x  - 2 f(x) x + x  - f(x) + x)
```

Sequence: A135259

Score: 10.3147
Type of gen. func.: lgdogf

$$-\frac{12 x^{5} - 27 x^{4} + 16 x^{3} - 9 x^{2} + 6 x - 2}{(x - 1) (3 x - 1) (2 x - 1) (x + 1) (x^{2} - x + 1)}$$

Sequence: A135259
Score: 11.8532
Type of gen. func.: ogf

$$\frac{x (3 x - 1) (x - 1)}{(2 x - 1) (x + 1) (x^{2} - x + 1)}$$

Sequence: A135259
Score: 6.64187
Type of gen. func.: ogf

$$(5 f(x) + 26) (2 f(x) x^{4} - f(x) x^{3} - 3 x^{3} + 2 f(x) x + 4 x^{2} - f(x) - x)$$

Sequence: A135261
Score: 10.8809
Type of gen. func.: lgdogf

$$-\frac{6 x^{5} - 22 x^{4} + 15 x^{3} - 15 x^{2} + 11 x - 3}{(x - 1) (3 x - 1) (2 x - 1) (x + 1) (x^{2} - x + 1)}$$

Sequence: A135261
Score: 11.8794
Type of gen. func.: ogf

$$-\frac{(3 x - 1) (x - 1)^{2}}{(2 x - 1) (x + 1) (x^{2} - x + 1)}$$

Sequence: A135261

Score: 6.71868
Type of gen. func.: ogf

$$(29 f(x) + 436) (2 f(x) x^4 - f(x) x^3 + 3 x^3 + 2 f(x) x - 7 x^2 - f(x) + 5 x - 1)$$

Sequence: A135262
Score: 11.7827
Type of gen. func.: lgdogf

$$- \frac{2 (35 x^4 + 40 x^3 + 15 x^2 + 7 x + 2)}{(10 x^3 - 1) (7 x^2 + 4 x + 1)}$$

Sequence: A135262
Score: 13.4688
Type of gen. func.: ogf

$$- \frac{7 x^2 + 4 x + 1}{10 x^3 - 1}$$

Sequence: A135262
Score: 8.63381
Type of gen. func.: ogf

$$(20 f(x) - 49) (10 f(x) x^3 + 7 x^2 - f(x) + 4 x + 1)$$

Sequence: A135262
Score: 8.74595
Type of gen. func.: ogf

$$\{a(n + 3) - 10 a(n), a(0) = 1, a(1) = 4, a(2) = 7\}$$

Sequence: A135263
Score: 10.2899
Type of gen. func.: ogf

$$2 (2 x^2 + x + 1)$$

```
                        - ------------------------------
                                              2
                          (3 x - 1) (x + 1) (x  - x + 1)



------------------------------------------------------------------------------

Sequence:  A135263
Score: 5.41104
Type of gen. func.: ogf


                              4         3                 2
   (1186 f(x) + 507) (3 f(x) x  - f(x) x  + 3 f(x) x + 4 x  - f(x) + 2 x + 2)



------------------------------------------------------------------------------

Sequence:  A135263
Score: 8.65924
Type of gen. func.: lgdogf


                          5      4       3      2
                      12 x  + 7 x  + 10 x  - 9 x  + 4 x + 4
                - ---------------------------------------------
                                      2              2
                  (3 x - 1) (x + 1) (x  - x + 1) (2 x  + x + 1)



------------------------------------------------------------------------------

Sequence:  A135264
Score: 10.5537
Type of gen. func.: ogf


                                       2
                                 3 (2 x  + x + 1)
                        - ------------------------------
                                              2
                          (3 x - 1) (x + 1) (x  - x + 1)



------------------------------------------------------------------------------

Sequence:  A135264
Score: 5.50235
Type of gen. func.: ogf


                              4         3                 2
  (2372 f(x) + 1521) (3 f(x) x  - f(x) x  + 3 f(x) x + 6 x  - f(x) + 3 x + 3)



------------------------------------------------------------------------------

Sequence:  A135264
Score: 8.88592
Type of gen. func.: lgdogf


                          5      4       3      2
                      12 x  + 7 x  + 10 x  - 9 x  + 4 x + 4
                - ---------------------------------------------
                                      2              2
```

$$(3 x - 1) (x + 1) (x \quad - x + 1) (2 x \quad + x + 1)$$

Sequence: A135265
Score: 17.3911
Type of gen. func.: ogf

$$-\frac{2 x^{3} + 1}{(x - 1) (x + 1) (x^{2} - x + 1)}$$

Sequence: A135265
Score: 20.2641
Type of gen. func.: lgdogf

$$-\frac{2 x^{6} + 3 x^{2} + 1}{(x - 1) (x + 1) (2 x^{3} + 1) (x^{2} - x + 1)}$$

Sequence: A135265
Score: 7.99430
Type of gen. func.: ogf

$\{-a(n + 4) + a(n + 3) - a(n + 1) + a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 2$

$\}$

Sequence: A135265
Score: 9.17864
Type of gen. func.: ogf

$$(14 f(x) - 9) (f(x) x^{4} - f(x) x^{3} + 2 x^{3} + f(x) x - f(x) + 1)$$

Sequence: A135266
Score: 7.28281
Type of gen. func.: lgdogf

$$-\frac{18 x^{6} - 4 x^{5} + 5 x^{4} - 14 x^{3} + 14 x^{2} + 2 x - 5}{(x - 1) (3 x - 1) (x + 1) (x^{2} - x + 1) (2 x^{2} + x + 1)}$$

Sequence: A135266
Score: 7.76312
Type of gen. func.: ogf

$$\frac{x\,(2\,x^2 + x + 1)}{(x - 1)\,(3\,x - 1)\,(x + 1)\,(x^2 - x + 1)}$$

Sequence: A135271
Score: 8.02070
Type of gen. func.: lgdogf

$$\frac{7}{x + 2}$$

Sequence: A135272
Score: 11.3000
Type of gen. func.: lgdogf

$$\frac{8}{x + 2}$$

Sequence: A135273
Score: 13.4866
Type of gen. func.: lgdogf

$$\frac{9}{x + 2}$$

Sequence: A135276
Score: 11.4642
Type of gen. func.: ogf

$$\frac{x\,(x^2 - 2\,x - 1)}{(x + 1)^2\,(x - 1)^3}$$

Sequence: A135276
Score: 20.8232
Type of gen. func.: lgdogf

$$-\frac{(-3 + x)\,(3 x^{2} + 2 x + 1)}{(x - 1)\,(x + 1)\,(x^{2} - 2 x - 1)}$$

Sequence: A135289
Score: 14.9869
Type of gen. func.: lgdogf

$$\frac{10}{x + 2}$$

Sequence: A135290
Score: 18.3262
Type of gen. func.: lgdogf

$$\frac{11}{x + 2}$$

Sequence: A135295
Score: 10.3532
Type of gen. func.: lgdogf

$$\frac{2\,(288 x^{11} - 956 x^{10} + 1070 x^{9} - 405 x^{8} + x - 1)}{(x - 1)\,(72 x^{11} - 160 x^{10} + 90 x^{9} - x + 1)}$$

Sequence: A135295
Score: 9.42909
Type of gen. func.: ogf

$$-\frac{x\,(72 x^{11} - 160 x^{10} + 90 x^{9} - x + 1)}{(x - 1)^{3}}$$

Sequence: A135297
Score: 29.5203
Type of gen. func.: lgdogf

$$-\frac{2x^3+9x^2-1}{(3+x)(x+1)(x^2-x+1)}$$

Sequence: A135300
Score: 13.0111
Type of gen. func.: lgdogf

$$-\frac{x^3-x^2+17x+7}{(x-1)(x^4-3x^3+4x^2+3x+1)}$$

Sequence: A135300
Score: 4.19961
Type of gen. func.: ogf

$$(121+128f(x))(f(x)x^4-4f(x)x^3-x^4+6f(x)x^2+3x^3-4f(x)x-4x^2+f(x)-3x-1)$$

Sequence: A135300
Score: 7.36167
Type of gen. func.: ogf

$$\frac{x^4-3x^3+4x^2+3x+1}{(x-1)^4}$$

Sequence: A135301
Score: 11.0393
Type of gen. func.: lgdogf

$$-\frac{3x^5+17x^4-2x^3+34x^2+7x+5}{\quad{}^{4}\quad\quad{}^{3}\quad\quad{}^{2}}$$

$$(x - 1) (x + 1) (x + 4 x - 2 x + 4 x + 1)$$

Sequence: A135301
Score: 7.22917
Type of gen. func.: ogf

$$\frac{x^4 + 4 x^3 - 2 x^2 + 4 x + 1}{(x + 1)^3 (x - 1)^4}$$

Sequence: A135307
Score: 7.43338
Type of gen. func.: ogf

$$x f(x)^3 - f(x)^2 x - f(x)^2 + 2 f(x) x + f(x) - x$$

Sequence: A135310
Score: 4.87432
Type of gen. func.: ogf

$$-f(x)^2 x^4 - 5 f(x)^2 x^2 + 4 f(x)^2 x + 2 f(x) x^2 - f(x)^2 - 4 f(x) x + 2 f(x) - 1$$

Sequence: A135312
Score: 31.7825
Type of gen. func.: lgdegf]

$$\exp(x) (x \exp(-x) + x + 1)$$

Sequence: A135318
Score: 10.0748
Type of gen. func.: lgdogf

$$-\frac{2 x^6 + 5 x^4 + 8 x^3 + 4 x^2 + 2 x + 1}{(x^2 + 1) (2 x^2 - 1) (x^3 + x + 1)}$$

Sequence: A135318
Score: 10.8621
Type of gen. func.: ogf

$$-\frac{x^3 + x + 1}{(2 x^2 - 1) (x^2 + 1)}$$

Sequence: A135318
Score: 8.43745
Type of gen. func.: ogf

$$-(8 f(x) - 3) (2 f(x) x^4 + f(x) x^2 + x^3 - f(x) + x + 1)$$

Sequence: A135332
Score: 5.35392
Type of gen. func.: ogf

$$\frac{x^6 - 8 x^5 - 3 x^4 - 32 x^3 + 3 x^2 - 8 x - 1}{(x + 1)^4 (x - 1)^5}$$

Sequence: A135332
Score: 7.31084
Type of gen. func.: lgdogf

$$-\frac{3 x^7 - 31 x^6 - 17 x^5 - 235 x^4 - 23 x^3 - 157 x^2 - 11 x - 9}{(x - 1) (x + 1) (x^6 - 8 x^5 - 3 x^4 - 32 x^3 + 3 x^2 - 8 x - 1)}$$

Sequence: A135334
Score: 4.30616
Type of gen. func.: ogf

$$f(x)^2 x^3 - 2 f(x)^2 x^2 - 2 f(x) x^3 + 2 f(x)^2 x + 2 f(x) x^2 + x^3 - 2 f(x) x - f(x) + x + 1$$

Sequence: A135335
Score: 3.55598
Type of gen. func.: ogf

$$-f(x)^2 x^4 + 2 f(x)^2 x^3 - 4 f(x)^2 x^2 - 2 f(x) x^3 + 3 f(x)^2 x + 4 f(x) x^2 - f(x)^2 - 6 f(x) x - x^2 + 3 f(x) + 2 x - 2$$

Sequence: A135336
Score: 5.44938
Type of gen. func.: ogf

$$f(x)^2 x^4 - 3 f(x)^2 x^2 + 2 f(x)^2 x + 2 f(x) x^2 - f(x) x - f(x) + 1$$

Sequence: A135337
Score: 4.28249
Type of gen. func.: ogf

$$f(x)^2 x^3 + 2 f(x)^2 x^2 - 2 f(x) x^3 - 3 f(x)^2 x - 2 f(x) x^2 + x^3 + f(x)^2 + 7 f(x) x - 3 f(x) - 3 x + 2$$

Sequence: A135339
Score: 6.91028
Type of gen. func.: ogf

$$-f(x)^2 x^2 - 2 f(x)^2 x + f(x) x^2 - x^3 + 4 f(x) x - 2 x^2 + f(x) - 3 x - 1$$

Sequence: A135343
Score: 12.5517
Type of gen. func.: ogf

$$-\frac{4 x^3 - x + 1}{(4 x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A135343
Score: 6.48858
Type of gen. func.: ogf

$$(7709 f(x) + 34492) (4 f(x) x^4 - f(x) x^3 + 4 x^3 + 4 f(x) x - f(x) - x + 1)$$

Sequence: A135344
Score: 11.0909
Type of gen. func.: ogf

$$\frac{x^3 + 2 x^2 + 2 x - 1}{(3 x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A135344
Score: 6.2217
Type of gen. func.: ogf

$$-(4 f(x) - 7) (3 f(x) x^4 - f(x) x^3 - x^3 + 3 f(x) x - 2 x^2 - f(x) - 2 x + 1)$$

Sequence: A135345
Score: 15.7841
Type of gen. func.: ogf

$$\frac{3 x^2 - 1}{(4 x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A135345
Score: 7.49746
Type of gen. func.: ogf

$$-(199511 f(x) - 73816) (4 f(x) x^4 - f(x) x^3 + 4 f(x) x - 3 x^2 - f(x) + 1)$$

Sequence: A135348
Score: 12.5522
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^4 + x^3 + 2 x^2 - x - 2}{}$$

$$-x + 1$$

Sequence: A135350
Score: 10.5924
Type of gen. func.: lgdogf

$$-\frac{8 x^5 + 4 x^4 + 6 x^3 - 7 x^2 + 4 x + 3}{(2 x - 1) (x + 1) (x^2 - x + 1) (2 x^2 + x + 1)}$$

Sequence: A135350
Score: 11.2426
Type of gen. func.: ogf

$$-\frac{x (2 x^2 + x + 1)}{(2 x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A135350
Score: 6.08975
Type of gen. func.: ogf

$$(599 f(x) + 1554) (2 f(x) x^4 - f(x) x^3 + 2 x^3 + 2 f(x) x + x^2 - f(x) + x)$$

Sequence: A135351
Score: 10.3020
Type of gen. func.: lgdogf

$$-\frac{2 x (x^3 - 8 x^2 + 9 x - 3)}{(x - 1) (2 x - 1) (x + 1) (x^2 - 4 x + 2)}$$

Sequence: A135351
Score: 4.41135
Type of gen. func.: ogf

$\{a(n + 4) - 2 a(n + 3) - a(n + 2) + 2 a(n + 1), a(0) = 0, a(1) = 2, a(2) = 0,$

$a(3) = 3\}$

Sequence: A135351
Score: 8.15541
Type of gen. func.: ogf

$$(2 f(x) + 1) (2 f(x) x^3 - f(x) x^2 - x^3 - 2 f(x) x + 4 x^2 + f(x) - 2 x)$$

Sequence: A135351
Score: 8.82271
Type of gen. func.: ogf

$$\frac{x (x^2 - 4 x + 2)}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A135352
Score: 12.1924
Type of gen. func.: ogf

$$- \frac{2 x^5 + x^4 + 2 x^3 + 2 x^2 + x + 1}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A135353
Score: 10.4779
Type of gen. func.: ogf

$$- \frac{18 x^2 - 9 x + 2}{(2 x - 1) (x^2 - x + 1)}$$

Sequence: A135353
Score: 5.41357
Type of gen. func.: ogf

$$(10937 f(x) - 43474)$$

$$(2 f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 18 x^2 - f(x) - 9 x + 2)$$

Sequence: A135353
Score: 5.80026
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 2, a(1) = -3, a(2) = 3\}$$

Sequence: A135353
Score: 9.99102
Type of gen. func.: lgdogf

$$-\frac{3 (12 x^4 - 12 x^3 - 5 x^2 + 8 x - 1)}{(2 x - 1) (x^2 - x + 1) (18 x^2 - 9 x + 2)}$$

Sequence: A135358
Score: 6.48060
Type of gen. func.: ogf

$$\frac{7 x^{10} + 6 x^9 + 7 x^8 + 6 x^7 + 7 x^6 + 6 x^5 + 7 x^4 + 6 x^3 + 7 x^2 + 6 x + 6}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A135360
Score: 11.9027
Type of gen. func.: ogf

$$\frac{(x - 1) (x^2 - x + 1)}{(2 x - 1) (2 x^2 - 2 x + 1)}$$

Sequence: A135360
Score: 6.22186
Type of gen. func.: ogf

$$\{-a(n + 4) + 4 a(n + 3) - 6 a(n + 2) + 4 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 7\}$$

Sequence: A135360
Score: 7.39897
Type of gen. func.: ogf

$$f(x) (4 f(x) x^3 - 6 f(x) x^2 - x^3 + 4 f(x) x + 2 x^2 - f(x) - 2 x + 1)$$

Sequence: A135364
Score: 12.7133
Type of gen. func.: lgdogf

$$- \frac{x^3 - 7 x^2 + 4 x - 2}{(x - 1) (x + 1) (x^3 - 2 x^2 + 3 x - 1)}$$

Sequence: A135364
Score: 4.82136
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 7\}$$

Sequence: A135364
Score: 5.17414
Type of gen. func.: ogf

$$-(f(x) - 3) (f(x) x^3 - 2 f(x) x^2 + x^3 + 3 f(x) x - x^2 - f(x) - x + 1)$$

Sequence: A135364
Score: 9.22348
Type of gen. func.: ogf

$$- \frac{(x + 1) (x - 1)^2}{x^3 - 2 x^2 + 3 x - 1}$$

Sequence: A135365
Score: 13.3531

Type of gen. func.: ogf

$$\frac{15 x^3 - 1}{(3 x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A135365
Score: 6.19583
Type of gen. func.: ogf

$\{a(n + 4) - 3 a(n + 3) + a(n + 1) - 3 a(n), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 11\}$

Sequence: A135365
Score: 6.85379
Type of gen. func.: ogf

$$(148 f(x) + 2355) (3 f(x) x^4 - f(x) x^3 - 15 x^3 + 3 f(x) x - f(x) + 1)$$

Sequence: A135370
Score: 12.4411
Type of gen. func.: lgdogf

$$-\frac{x^5 + x^4 - 8 x^3 - 12 x^2 - 15 x - 3}{(x - 1) (x + 1) (x^4 - 4 x^2 - 2 x - 1)}$$

Sequence: A135370
Score: 9.11144
Type of gen. func.: ogf

$$\frac{x^4 - 4 x^2 - 2 x - 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A135385
Score: 9.96054
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A135389
Score: 4.28382
Type of gen. func.: ogf

$$\{(-16 n^2 - 80 n - 100) a(n + 1) + (n^2 + 6 n + 8) a(n + 2), a(0) = 2, a(1) = 24\}$$

Sequence: A135389
Score: 9.91624
Type of gen. func.: ogf

$$2 \text{hypergeom}([3/2, 3/2], [3], 16 x)$$

Sequence: A135391
Score: 7.60881
Type of gen. func.: ogf

$$\frac{x^7 + 21 x^6 + 22 x^5 + 22 x^4 + 22 x^3 + 22 x^2 + 22 x + 21}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A135399
Score: 11.4922
Type of gen. func.: lgdogf

$$- \frac{2 x (21 x^3 - 27 x - 14)}{(3 x - 1) (2 x + 1) (x + 1) (7 x^2 - 3)}$$

Sequence: A135399
Score: 12.1103
Type of gen. func.: ogf

$$\frac{7 x^2 - 3}{(3 x - 1) (2 x + 1) (x + 1)}$$

Sequence: A135399
Score: 6.82815
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 1) - 6 a(n), a(0) = 3, a(1) = 0, a(2) = 14\}$$

Sequence: A135399
Score: 7.42323
Type of gen. func.: ogf

$$-(23700 f(x) + 46549) (6 f(x) x^3 + 7 f(x) x^2 - 7 x^2 - f(x) + 3)$$

Sequence: A135400
Score: 11.6796
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 105 x^2 + 114 x + 17}{(x - 1) (2 x^3 + 33 x^2 + 12 x + 1)}$$

Sequence: A135400
Score: 7.10812
Type of gen. func.: ogf

$$-\frac{2 x^3 + 33 x^2 + 12 x + 1}{(x - 1)^5}$$

Sequence: A135403
Score: 15.5095
Type of gen. func.: ogf

$$\frac{111109 x + 1}{(x - 1)^2}$$

Sequence: A135403
Score: 17.3152
Type of gen. func.: revogf

$$-\frac{-1 - 2 x + (1 + 444440 x)^{1/2}}{2 (-111109 + x)}$$

Sequence: A135403
Score: 20.0492
Type of gen. func.: lgdogf

$$-\frac{111111 + 111109 x}{(111109 x + 1) (x - 1)}$$

Sequence: A135403
Score: 7.38546
Type of gen. func.: ogf

$$(222220 f(x) + 12345432101) (f(x) x^2 - 2 f(x) x + f(x) - 111109 x - 1)$$

Sequence: A135403
Score: 8.91349
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 111111\}$$

Sequence: A135404
Score: 6.30377
Type of gen. func.: ogf

$$\{(48 n^2 + 160 n + 132) a(n + 1) + (-3 n^2 - 17 n - 24) a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A135405
Score: 11.5298
Type of gen. func.: ogf

$$x (3 x^3 - 8 x^2 + 6 x + 1)$$

$$- \frac{\qquad}{(x + 1) (x - 1)^3}$$

Sequence: A135405
Score: 14.8162
Type of gen. func.: lgdogf

$$- \frac{3 x^4 - 10 x^3 + 11 x^2 + 8}{(x - 1) (x + 1) (3 x^3 - 8 x^2 + 6 x + 1)}$$

Sequence: A135405
Score: 6.47443
Type of gen. func.: ogf

$$(64504 f(x) - 4991)$$

$$(f(x) x^4 - 2 f(x) x^3 + 3 x^4 - 8 x^3 + 2 f(x) x + 6 x^2 - f(x) + x)$$

Sequence: A135422
Score: 8.6862
Type of gen. func.: ogf

$$-(2 f(x) x - f(x) - x + 1)^3$$

Sequence: A135423
Score: 12.9299
Type of gen. func.: ogf

$$- \frac{7 x - 3}{(9 x - 1) (x - 1)}$$

Sequence: A135423
Score: 13.2500
Type of gen. func.: revogf

$$- \frac{-3 - 10 x + (64 x^2 + 32 x + 9)^{1/2}}{2 (7 + 9 x)}$$

Sequence: A135423
Score: 14.9487
Type of gen. func.: lgdogf

$$-\frac{63 x^2 - 54 x + 23}{(x - 1) (7 x - 3) (9 x - 1)}$$

Sequence: A135423
Score: 6.46496
Type of gen. func.: ogf

$$-(176 f(x) + 1) (9 f(x) x^2 - 10 f(x) x + f(x) + 7 x - 3)$$

Sequence: A135423
Score: 7.08068
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 9 a(n), a(0) = 3, a(1) = 23\}$$

Sequence: A135431
Score: 12.3118
Type of gen. func.: ogf

$$\frac{x (x + 1)}{x^4 - x^3 - x^2 - x + 1}$$

Sequence: A135431
Score: 15.4776
Type of gen. func.: lgdogf

$$-\frac{3 x^4 + 2 x^3 - 4 x^2 - 2 x - 2}{(x + 1) (x^4 - x^3 - x^2 - x + 1)}$$

Sequence: A135431
Score: 7.7696
Type of gen. func.: ogf

$$-f(x) x^4 + f(x) x^3 + f(x) x^2 + f(x) x + x^2 - f(x) + x$$

Sequence: A135432
Score: 7.80319
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^7 - x^6 - 2 x^5 + 5 x^3 - x^2 + x + 1)}{(x - 1) (x + 1) (2 x^2 + 2 x + 1) (x^4 - 2 x^3 + x^2 - 2 x + 1)}$$

Sequence: A135432
Score: 8.02902
Type of gen. func.: ogf

$$-\frac{x (x - 1) (2 x^2 + 2 x + 1)}{(x + 1) (x^4 - 2 x^3 + x^2 - 2 x + 1)}$$

Sequence: A135435
Score: 16.0862
Type of gen. func.: ogf

$$\frac{3 x^4 - 7}{x^7 + x^4 - 1}$$

Sequence: A135435
Score: 18.9862
Type of gen. func.: lgdogf

$$-\frac{x^3 (9 x^7 - 49 x^3 - 16)}{(x^7 + x^4 - 1) (3 x^4 - 7)}$$

Sequence: A135438
Score: 8.04981
Type of gen. func.: ogf

$$\{(-2 n^3 - 15 n^2 - 37 n - 30) a(n + 1) + 6 a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A135440
Score: 10.3755
Type of gen. func.: ogf

$$(9 f(x) + 26) (2 f(x) x^2 + f(x) x - f(x) + 5 x - 1)$$

Sequence: A135440
Score: 10.8817
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - 2 a(n), a(0) = -1, a(1) = 4\}$$

Sequence: A135440
Score: 19.8288
Type of gen. func.: ogf

$$- \frac{5 x - 1}{(2 x - 1) (x + 1)}$$

Sequence: A135440
Score: 22.6037
Type of gen. func.: revogf

$$- \frac{x - 1 + (9 x^2 + 18 x + 1)^{1/2}}{2 (5 + 2 x)}$$

Sequence: A135440
Score: 23.1986
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^2 - 2 x + 2)}{}$$

$$(2 x - 1) (5 x - 1) (x + 1)$$

Sequence: A135446
Score: 10.5235
Type of gen. func.: lgdogf

$$- \frac{6 x^4 + 8 x^3 - 21 x^2 + 12 x - 1}{(3 x - 1) (2 x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A135446
Score: 10.8086
Type of gen. func.: ogf

$$- \frac{(x + 1) (3 x - 1)}{(2 x - 1) (x^2 - x + 1)}$$

Sequence: A135446
Score: 5.49438
Type of gen. func.: ogf

$$-(615 f(x) - 1247) (2 f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) + 2 x - 1)$$

Sequence: A135446
Score: 5.88684
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = -1, a(1) = -1, a(2) = 3\}$$

Sequence: A135447
Score: 11.9114
Type of gen. func.: lgdogf

$$- \frac{5 x^6 + 6 x^5 - 5 x^4 + 12 x^3 - 14 x^2 - 4 x - 2}{(5 x^3 + 3 x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A135447
Score: 5.33570
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 3) - a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8\}$$

Sequence: A135447
Score: 5.69676
Type of gen. func.: ogf

$$-f(x) (f(x) x^4 - f(x) x^3 + f(x) x^2 - 5 x^3 - f(x) x - 3 x^2 + f(x) - x - 1)$$

Sequence: A135447
Score: 9.83987
Type of gen. func.: ogf

$$\frac{5 x^3 + 3 x^2 + x + 1}{x^4 - x^3 + x^2 - x + 1}$$

Sequence: A135448
Score: 13.6930
Type of gen. func.: ogf

$$\frac{2 x^4 - 4 x^3 - 3 x^2 - 5 x - 1}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A135448
Score: 9.30596
Type of gen. func.: lgdogf

$$- \frac{2 x^8 - 8 x^7 - 9 x^6 - 20 x^5 - 5 x^4 + 8 x^3 - 12 x^2 - 6 x - 5}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (2 x^4 - 4 x^3 - 3 x^2 - 5 x - 1)}$$

Sequence: A135449
Score: 13.6930
Type of gen. func.: ogf

$$-\frac{5 x^{4} + 3 x^{3} - 7 x^{2} + 9 x + 1}{(x - 1) (x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A135449
Score: 9.21648
Type of gen. func.: lgdogf

$$-\frac{5 x^{8} + 6 x^{7} - 21 x^{6} + 36 x^{5} + 5 x^{4} + 20 x^{3} + 9 x^{2} - 14 x + 9}{(x - 1) (x^{4} + x^{3} + x^{2} + x + 1) (5 x^{4} + 3 x^{3} - 7 x^{2} + 9 x + 1)}$$

Sequence: A135450
Score: 15.0493
Type of gen. func.: lgdogf

$$-\frac{16 x^{3} - 3 x^{2} + 4}{(4 x - 1) (x + 1) (x^{2} - x + 1)}$$

Sequence: A135450
Score: 15.4959
Type of gen. func.: ogf

$$-\frac{x^{3}}{(4 x - 1) (x + 1) (x^{2} - x + 1)}$$

Sequence: A135450
Score: 7.84357
Type of gen. func.: ogf

$$-4 f(x) x^{4} + f(x) x^{3} - x^{3} - 4 f(x) x + f(x)$$

Sequence: A135453
Score: 12.9031
Type of gen. func.: ogf

$$- \frac{12 x (x + 1)}{(x - 1)^3}$$

Sequence: A135453
Score: 36.0105
Type of gen. func.: ogf_with_Euler_transform]

$$[4 - x]$$

Sequence: A135453
Score: 37.5071
Type of gen. func.: lgdogf

$$- \frac{2 (x + 2)}{(x - 1) (x + 1)}$$

Sequence: A135453
Score: 6.73701
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 12, a(2) = 48\}$$

Sequence: A135453
Score: 6.98424
Type of gen. func.: ogf

$$(f(x) + 3) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 12 x^2 - f(x) + 12 x)$$

Sequence: A135454
Score: 5.74546
Type of gen. func.: lgdogf

$$(8 x^{10} - 3 x^9 - 27 x^8 - 26 x^7 + 2 x^6 + 42 x^5 + 60 x^4 + 64 x^3 + 48 x^2 + 24 x + 6$$

$$\Big) \Big/ \left((x-1)\,(x^2+x+1)\right.$$

$$\left.(x^8 - 4\,x^6 - 6\,x^5 - 7\,x^4 - 7\,x^3 - 6\,x^2 - 3\,x - 1)\right)$$

Sequence: A135454
Score: 6.00579
Type of gen. func.: ogf

$$-\frac{(x^2 + x + 1)\,(x^8 - 4\,x^6 - 6\,x^5 - 7\,x^4 - 7\,x^3 - 6\,x^2 - 3\,x - 1)}{(x-1)^2}$$

Sequence: A135456
Score: 5.44431
Type of gen. func.: ogf

$$-\frac{5040}{(x - 1)\,(6\,x - 1)\,(4\,x - 1)\,(3\,x - 1)\,(2\,x - 1)\,(7\,x - 1)\,(5\,x - 1)}$$

Sequence: A135463
Score: 3.98254
Type of gen. func.: ogf

$$-\frac{4473837306492991910\,x^{16} + 4921221037142291101\,x^{15} - 50}{49659594102072210201\,x^{16} - 4921221037142291101\,x^{15} + 500\,x^2 - 550\,x + 50}$$

Sequence: A135463
Score: 5.80632
Type of gen. func.: ogf

$$-(91\,f(x) + 30)\,(f(x) - 1)\,(10\,f(x)\,x^2 - 11\,f(x)\,x + f(x) - 1)$$

Sequence: A135466
Score: 11.7448
Type of gen. func.: ogf

$$-\frac{50 x^2 - 39 x + 8}{(2 x - 1)^3}$$

Sequence: A135466
Score: 18.0844
Type of gen. func.: lgdogf

$$-\frac{100 x^2 - 56 x + 9}{(2 x - 1) (50 x^2 - 39 x + 8)}$$

Sequence: A135466
Score: 6.31651
Type of gen. func.: ogf

$$(312 f(x) - 3511) (8 f(x) x^3 - 12 f(x) x^2 + 6 f(x) x + 50 x^2 - f(x) - 39 x + 8)$$

Sequence: A135466
Score: 6.65190
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 12 a(n + 1) - 8 a(n), a(0) = 8, a(1) = 9, a(2) = 8\}$$

Sequence: A135467
Score: 9.82212
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4 x^7 + 2 x^6 + 6 x^5 + 2 x^4 + 2 x^2 + 6 x + 2}{-x^8 + 1}$$

Sequence: A135489
Score: 7.96576
Type of gen. func.: lgdogf

$$8 - 48 x - 36 x^2 + (-144 x^3 - 60 x^2 + 32 x - 2) f(x)$$

$$+ (-144 x^4 + 8 x^3 + 23 x^2 - 4 x) f(x)^2$$

Sequence: A135491
Score: 11.8412
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 + 1)}{x^3 + x^2 + x - 1}$$

Sequence: A135491
Score: 19.7322
Type of gen. func.: lgdogf

$$-\frac{(x^2 + 2) (x + 1)^2}{(x^2 + x + 1) (x^3 + x^2 + x - 1)}$$

Sequence: A135491
Score: 6.18972
Type of gen. func.: ogf

{-a(n + 4) + a(n + 3) + a(n + 2) + a(n + 1), a(0) = 1, a(1) = 2, a(2) = 4,

a(3) = 8}

Sequence: A135491
Score: 6.8659
Type of gen. func.: ogf

$$(f(x) - 1) (f(x) x^3 + f(x) x^2 + x^3 + f(x) x + x^2 - f(x) + x + 1)$$

Sequence: A135492
Score: 10.8495
Type of gen. func.: lgdogf

$$-\frac{x^6 + 2 x^5 + 3 x^4 + 4 x^3 + 6 x^2 + 4 x + 2}{{}^{2}\qquad{}^{4}\quad{}^{3}\quad{}^{2}}$$

```
                     (x + 1) (x  + 1) (x  + x  + x  + x - 1)
```

Sequence: A135492
Score: 5.82751
Type of gen. func.: ogf

```
               4         3         2      3               2
   f(x) (f(x) x  + f(x) x  + f(x) x  + 2 x  + f(x) x + 2 x  - f(x) + 2 x + 2)
```

Sequence: A135492
Score: 9.76299
Type of gen. func.: ogf

```
                                            2
                                2 (x + 1) (x  + 1)
                             - --------------------
                                4    3    2
                               x  + x  + x  + x - 1
```

Sequence: A135493
Score: 4.62843
Type of gen. func.: ogf

```
    2        5         4         3      4         2      3              2
f(x)  (f(x) x  + f(x) x  + f(x) x  + 2 x  + f(x) x  + 2 x  + f(x) x + 2 x

     - f(x) + 2 x + 2)
```

Sequence: A135493
Score: 7.71406
Type of gen. func.: ogf

```
                                4    3    2
                            2 (x  + x  + x  + x + 1)
                          - -------------------------
                             5    4    3    2
                            x  + x  + x  + x  + x - 1
```

Sequence: A135493
Score: 7.99483
Type of gen. func.: lgdogf

```
               8      7      6      5      4      3      2
              x  + 2 x  + 3 x  + 4 x  + 5 x  + 8 x  + 6 x  + 4 x + 2
            - -------------------------------------------------------
                  4    3    2            5    4    3    2
```

$$(x + x + x + x + 1) (x + x + x + x + x - 1)$$

Sequence: A135497
Score: 14.8143
Type of gen. func.: lgdogf

$$- \frac{3 (x^3 + 17 x^2 + 63 x + 39)}{(x - 1) (x^3 + 12 x^2 + 33 x + 14)}$$

Sequence: A135497
Score: 4.16646
Type of gen. func.: ogf

$$\{(2 n^2 + 11 n + 14) a(n + 1) + (11 n^2 + 105 n + 234) a(n + 2)$$
$$+ (-13 n^2 - 41 n - 28) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 28\}$$

Sequence: A135497
Score: 7.12582
Type of gen. func.: ogf

$$\frac{2 x^2 (x^3 + 12 x^2 + 33 x + 14)}{(x - 1)^6}$$

Sequence: A135503
Score: 14.3160
Type of gen. func.: ogf

$$\frac{3 x^2}{(x - 1)^4}$$

Sequence: A135503
Score: 57.9888
Type of gen. func.: ogf_with_Euler_transform]

Sequence: A135503
Score: 7.15799
Type of gen. func.: ogf

$$\{n a(n + 2) + (-n - 3) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 3\}$$

Sequence: A135503
Score: 7.66411
Type of gen. func.: ogf

$$-f(x) x^4 + 4 f(x) x^3 - 6 f(x) x^2 + 4 f(x) x + 3 x^2 - f(x)$$

Sequence: A135503
Score: 93.9090
Type of gen. func.: lgdogf

$$-\frac{4}{x - 1}$$

Sequence: A135509
Score: 5.11454
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^2 + 4 x + 1) (x^2 + 13 x + 1)}{(x - 1)^7}$$

Sequence: A135509
Score: 8.43869
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 59 x^4 + 356 x^3 + 568 x^2 + 250 x + 25}{(x - 1) (x + 1) (x^2 + 4 x + 1) (x^2 + 13 x + 1)}$$

Sequence: A135511
Score: 13.5794
Type of gen. func.: ogf

$$-\frac{2 x^{5} + 3 x^{4} + x^{3} + 3 x^{2} + 2 x + 1}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A135511
Score: 7.54014
Type of gen. func.: lgdogf

$$- (2 x^{10} + 6 x^{9} + 3 x^{8} + 12 x^{7} + 10 x^{6} + 6 x^{5} + 10 x^{4} + 12 x^{3} + 3 x^{2} + 6 x + 2) \Big/ ((x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (2 x^{5} + 3 x^{4} + x^{3} + 3 x^{2} + 2 x + 1))$$

Sequence: A135512
Score: 3.98882
Type of gen. func.: ogf

$$-16 f(x)^{2} x^{4} + 8 f(x)^{2} x^{3} - f(x)^{2} x^{2} - 56 f(x) x^{3} + 38 f(x) x^{2} - 16 x^{3} - 10 f(x) x - 13 x^{2} + f(x) + 10 x - 2$$

Sequence: A135513
Score: 9.44089
Type of gen. func.: ogf

$$-\frac{2 x^{7} + 2 x^{6} + 6 x^{5} + 3 x^{4} + 8 x^{3} + 3 x^{2} + 4 x + 1}{(x - 1) (x + 1) (x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A135518
Score: 13.1036
Type of gen. func.: revogf

$$\qquad ^{2} \qquad\qquad ^{1/2}$$

$$-\frac{-1 - 16 x + (196 x \;\; + 32 x + 1)}{30 x}$$

Sequence: A135518
Score: 15.2993
Type of gen. func.: ogf

$$\frac{1}{(15 x - 1) (x - 1)}$$

Sequence: A135518
Score: 19.4127
Type of gen. func.: lgdogf

$$-\frac{2 (-8 + 15 x)}{(15 x - 1) (x - 1)}$$

Sequence: A135518
Score: 6.29973
Type of gen. func.: ogf

$$\{-a(n + 2) + 16 a(n + 1) - 15 a(n), a(0) = 1, a(1) = 16\}$$

Sequence: A135518
Score: 8.01161
Type of gen. func.: ogf

$$(113 f(x) + 15) (15 f(x) x^2 - 16 f(x) x + f(x) - 1)$$

Sequence: A135519
Score: 12.8911
Type of gen. func.: revogf

$$-\frac{-1 - 15 x + (169 x^2 + 30 x + 1)^{1/2}}{28 x}$$

Sequence: A135519
Score: 15.0565
Type of gen. func.: ogf

$$\frac{1}{(14 x - 1) (x - 1)}$$

Sequence: A135519
Score: 19.8325
Type of gen. func.: lgdogf

$$- \frac{-15 + 28 x}{(14 x - 1) (x - 1)}$$

Sequence: A135519
Score: 6.12765
Type of gen. func.: ogf

$$(197 f(x) + 28) (14 f(x) x^2 - 15 f(x) x + f(x) - 1)$$

Sequence: A135519
Score: 6.19973
Type of gen. func.: ogf

$$\{-a(n + 2) + 15 a(n + 1) - 14 a(n), a(0) = 1, a(1) = 15\}$$

Sequence: A135520
Score: 10.9387
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n), a(0) = 2, a(1) = 1\}$$

Sequence: A135520
Score: 11.0680
Type of gen. func.: revegf]

$$-1/2 \operatorname{arcsinh}\left(\frac{15^{1/2}}{15}\right) + 1/2 \operatorname{arcsinh}\left(\frac{15^{1/2} (4 x + 1)}{15}\right)$$

Sequence: A135520
Score: 17.0751
Type of gen. func.: ogf

$$-\frac{x + 2}{(2 x - 1) (2 x + 1)}$$

Sequence: A135520
Score: 18.5464
Type of gen. func.: lgdogf

$$-\frac{4 x^2 + 16 x + 1}{(2 x + 1) (2 x - 1) (x + 2)}$$

Sequence: A135520
Score: 9.86026
Type of gen. func.: ogf

$$(136 f(x) - 271) (4 f(x) x^2 - f(x) + x + 2)$$

Sequence: A135522
Score: 14.5528
Type of gen. func.: ogf

$$\frac{x - 2}{(x + 1) (3 x - 1)}$$

Sequence: A135522
Score: 18.3384
Type of gen. func.: lgdogf

$$-\frac{3 (x^2 - 4 x - 1)}{(x - 2) (3 x - 1) (x + 1)}$$

Sequence: A135522
Score: 19.4499

Type of gen. func.: revogf

$$\frac{-1 - x + (4 x^2 + x + 1)^{1/2}}{3 x - 1}$$

Sequence: A135522
Score: 7.52733
Type of gen. func.: ogf

$$(38 f(x) - 67) (3 f(x) x^2 + 2 f(x) x - f(x) - x + 2)$$

Sequence: A135522
Score: 7.98632
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 3 a(n), a(0) = 2, a(1) = 3\}$$

Sequence: A135526
Score: 10.1774
Type of gen. func.: lgdogf

$$\frac{21 x^5 + 27 x^4 - 89 x^3 - 105 x^2 - 48 x - 6}{(x - 1) (7 x^5 + 31 x^4 + 35 x^3 + 22 x^2 + 4 x + 1)}$$

Sequence: A135526
Score: 10.2416
Type of gen. func.: ogf

$$\frac{7 x^5 + 31 x^4 + 35 x^3 + 22 x^2 + 4 x + 1}{(x - 1)^2}$$

Sequence: A135528
Score: 14.1375
Type of gen. func.: ogf

2 2

$$f(x) x - x - f(x) + x + 1$$

Sequence: A135528
Score: 15.2916
Type of gen. func.: ogf

$$\frac{x^2 - x - 1}{(x - 1) (x + 1)}$$

Sequence: A135528
Score: 33.5406
Type of gen. func.: lgdogf

$$\frac{x^2 + 1}{(x - 1) (x + 1) (x^2 - x - 1)}$$

Sequence: A135528
Score: 9.02757
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 1), a(0) = 1, a(1) = 1, a(2) = 0\}$$

Sequence: A135530
Score: 10.1893
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n), a(0) = 2, a(1) = 1\}$$

Sequence: A135530
Score: 14.4914
Type of gen. func.: ogf

$$-2 f(x) x^2 + f(x) - x - 2$$

Sequence: A135530
Score: 15.9052

Type of gen. func.: ogf

$$-\frac{x + 2}{2 x^{2} - 1}$$

Sequence: A135530
Score: 21.2486
Type of gen. func.: revogf

$$\frac{-1 + (2 x^{2} + x + 1)^{1/2}}{2 x + 1}$$

Sequence: A135530
Score: 21.2486
Type of gen. func.: lgdogf

$$-\frac{2 x^{2} + 8 x + 1}{(x + 2) (2 x^{2} - 1)}$$

Sequence: A135532
Score: 10.1436
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) - a(n), a(0) = -1, a(1) = 3\}$$

Sequence: A135532
Score: 18.4840
Type of gen. func.: ogf

$$-\frac{5 x - 1}{x^{2} + 2 x - 1}$$

Sequence: A135532
Score: 20.5345
Type of gen. func.: revogf

$$-\frac{-1 + 2 x + (8 x^2 + 16 x + 1)^{1/2}}{2 (5 + x)}$$

Sequence: A135532
Score: 24.1582
Type of gen. func.: lgdogf

$$-\frac{5 x^2 - 2 x + 3}{(5 x - 1) (x^2 + 2 x - 1)}$$

Sequence: A135532
Score: 9.67182
Type of gen. func.: ogf

$$(4 f(x) + 13) (f(x) x^2 + 2 f(x) x - f(x) + 5 x - 1)$$

Sequence: A135536
Score: 13.6624
Type of gen. func.: revegf]

$$-1/4\ 2^{1/2} \left(\ln(1 + 2^{1/2}) - \operatorname{arcsinh}\left(\frac{4 x}{7} + 1\right)\right)$$

Sequence: A135536
Score: 14.9448
Type of gen. func.: ogf

$$-\frac{7 (2 x + 1)}{8 x^2 - 1}$$

Sequence: A135536
Score: 18.0825
Type of gen. func.: lgdogf

$$-\frac{2 (8 x^2 + 8 x + 1)}{}$$

$$(2 x + 1) (8 x^2 - 1)$$

Sequence: A135536
Score: 9.09682
Type of gen. func.: ogf

$$(6 f(x) - 35) (8 f(x) x^2 - f(x) + 14 x + 7)$$

Sequence: A135536
Score: 9.65665
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n), a(0) = 7, a(1) = 14\}$$

Sequence: A135537
Score: 12.4418
Type of gen. func.: lgdogf

$$- \frac{4 x^4 - 4 x^3 + 19 x^2 - 6 x + 5}{(x - 1) (x^2 + 1) (4 x^2 - 2 x + 7)}$$

Sequence: A135537
Score: 12.7789
Type of gen. func.: ogf

$$- \frac{4 x^2 - 2 x + 7}{(x - 1) (x^2 + 1)}$$

Sequence: A135537
Score: 6.71992
Type of gen. func.: ogf

$$(199 f(x) - 3921) (f(x) x^3 - f(x) x^2 + f(x) x + 4 x^2 - f(x) - 2 x + 7)$$

Sequence: A135537
Score: 6.95992
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) - a(n + 1) + a(n), a(0) = 7, a(1) = 5, a(2) = 2\}$$

Sequence: A135541
Score: 12.4037
Type of gen. func.: ogf

$$-\frac{x (3 x + 2)}{(2 x - 1) (x^2 + 1)}$$

Sequence: A135541
Score: 15.1438
Type of gen. func.: lgdogf

$$-\frac{12 x^3 + 9 x^2 - 4 x + 7}{(3 x + 2) (2 x - 1) (x^2 + 1)}$$

Sequence: A135541
Score: 6.09491
Type of gen. func.: ogf

$$-(711 f(x) + 2675) (2 f(x) x^3 - f(x) x^2 + 2 f(x) x + 3 x^2 - f(x) + 2 x)$$

Sequence: A135541
Score: 6.36947
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1) + 2 a(n), a(0) = 0, a(1) = 2, a(2) = 7\}$$

Sequence: A135556
Score: 11.2754
Type of gen. func.: lgdogf

$$x^5 + 7 x^4 + 37 x^3 + 31 x^2 + 28 x + 4$$

$$- \frac{}{(x-1)(x+1)(x^4+3x^3+10x^2+3x+1)}$$

Sequence: A135556
Score: 8.56044
Type of gen. func.: ogf

$$- \frac{x^4+3x^3+10x^2+3x+1}{(x+1)^2(x-1)^3}$$

Sequence: A135574
Score: 6.88480
Type of gen. func.: lgdogf

$$- \frac{36x^8+32x^7+29x^6+84x^5+36x^3+12x^2+22x+1}{(2x+1)(2x-1)(x^2+x+1)(x^2-x+1)(3x^3+2x^2+x+3)}$$

Sequence: A135574
Score: 9.01181
Type of gen. func.: ogf

$$- \frac{x^2(3x^3+2x^2+x+3)}{(2x-1)(2x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A135575
Score: 8.83571
Type of gen. func.: ogf

$$\frac{x(3x^3+2x^2+x+3)}{(2x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A135575
Score: 8.85341
Type of gen. func.: lgdogf

$$-\frac{12x^7+15x^6+12x^5+34x^4+4x^3+6x^2+2x+5}{(2x+1)(x^2+x+1)(x^2-x+1)(3x^3+2x^2+x+3)}$$

Sequence: A135576
Score: 4.45936
Type of gen. func.: ogf

$\{-a(n+4)+7a(n+3)-14a(n+2)+8a(n+1), a(0)=1, a(1)=7, a(2)=21, a(3)=73\}$

Sequence: A135576
Score: 5.01679
Type of gen. func.: ogf

$$(9f(x)+481)(8f(x)x^3-14f(x)x^2+16x^3+7f(x)x-14x^2-f(x)+1)$$

Sequence: A135576
Score: 7.96584
Type of gen. func.: lgdogf

$$-\frac{112x^4-224x^3+170x^2-56x+7}{(x-1)(2x-1)(-1+4x)(16x^3-14x^2+1)}$$

Sequence: A135576
Score: 8.85315
Type of gen. func.: ogf

$$-\frac{16x^3-14x^2+1}{(x-1)(2x-1)(-1+4x)}$$

Sequence: A135577
Score: 2.59935
Type of gen. func.: ogf

$$\{-a(n + 4) + 111 a(n + 3) - 1110 a(n + 2) + 1000 a(n + 1), a(0) = 1, a(1) = 111, a(2) = 10101, a(3) = 1001001\}$$

Sequence: A135577
Score: 2.82214
Type of gen. func.: ogf

$$(977801 f(x) + 1511041)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 2000 x^3 + 111 f(x) x - 1110 x^2 - f(x) + 1)$$

Sequence: A135577
Score: 5.00128
Type of gen. func.: ogf

$$- \frac{2000 x^3 - 1110 x^2 + 1}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A135583
Score: 13.6568
Type of gen. func.: ogf

$$- \frac{7 x - 3}{(-1 + 4 x) (x - 1)}$$

Sequence: A135583
Score: 14.6833
Type of gen. func.: revogf

$$- \frac{-3 - 5 x + (9 x^2 + 2 x + 9)^{1/2}}{2 (4 x + 7)}$$

Sequence: A135583
Score: 15.4363
Type of gen. func.: lgdogf

$$- \frac{4 (7 x^2 - 6 x + 2)}{}$$

$$(x - 1) (7 x - 3) (-1 + 4 x)$$

Sequence: A135583
Score: 6.75337
Type of gen. func.: ogf

$$-(99 f(x) - 41) (4 f(x) x^2 - 5 f(x) x + f(x) + 7 x - 3)$$

Sequence: A135583
Score: 7.49459
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 4 a(n), a(0) = 3, a(1) = 8\}$$

Sequence: A135593
Score: 8.71924
Type of gen. func.: lgdegf]

$$\frac{x^6 + 5 x^5 + 21 x^4 + 46 x^3 + 68 x^2 + 54 x + 18}{x^5 + 4 x^4 + 12 x^3 + 18 x^2 + 14 x + 4}$$

Sequence: A135600
Score: 15.7268
Type of gen. func.: ogf

$$-\frac{99 x - 100}{(x - 1)^2}$$

Sequence: A135600
Score: 24.6466
Type of gen. func.: revogf

$$-\frac{-50 - x + (2500 + x)^{1/2}}{99 + x}$$

Sequence: A135600
Score: 25.4965
Type of gen. func.: lgdogf

$$-\frac{-101 + 99 x}{(x - 1) (99 x - 100)}$$

Sequence: A135600
Score: 8.20526
Type of gen. func.: ogf

$$(2 f(x) + 10001) (f(x) x^{2} - 2 f(x) x + f(x) + 99 x - 100)$$

Sequence: A135600
Score: 8.77772
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 100, a(1) = 101\}$$

Sequence: A135619
Score: 9.07354
Type of gen. func.: ogf

$$-\frac{x^{3} (x^{4} - x^{3} + 2 x^{2} + x + 1)}{x^{9} + x^{6} + 7 x^{3} - 1}$$

Sequence: A135628
Score: 10.0663
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 28\}$$

Sequence: A135628
Score: 101.713
Type of gen. func.: lgdogf

$$-\frac{2}{x - 1}$$

Sequence: A135628
Score: 13.7573
Type of gen. func.: ogf

$$-f(x)\,x^{2} + 2\,f(x)\,x - f(x) + 28\,x$$

Sequence: A135628
Score: 21.7220
Type of gen. func.: ogf

$$\frac{28\,x}{(x - 1)^{2}}$$

Sequence: A135628
Score: 33.9042
Type of gen. func.: revogf

$$\frac{7\,x}{(7 + (49 + 7\,x)^{1/2})^{2}}$$

Sequence: A135628
Score: 63.1672
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A135631
Score: 100.214
Type of gen. func.: lgdogf

$$-\frac{2}{x - 1}$$

Sequence: A135631
Score: 13.5565

Type of gen. func.: ogf

$$-f(x)\,x^2 + 2\,f(x)\,x - f(x) + 31\,x$$

Sequence: A135631
Score: 21.4050
Type of gen. func.: ogf

$$\frac{31\,x}{(x - 1)^2}$$

Sequence: A135631
Score: 26.7238
Type of gen. func.: revogf

$$\frac{124\,x}{(31 + (961 + 124\,x)^{1/2})^2}$$

Sequence: A135631
Score: 62.2370
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A135631
Score: 9.91939
Type of gen. func.: ogf

$$\{a(n + 2) - 2\,a(n + 1) + a(n),\ a(0) = 0,\ a(1) = 31\}$$

Sequence: A135639
Score: 11.4237
Type of gen. func.: ogf

$$-f(x)\,x^2 + 2\,f(x)\,x - f(x) + 839\,x$$

Sequence: A135639
Score: 17.8679
Type of gen. func.: ogf

$$\frac{839 x}{(x - 1)^{2}}$$

Sequence: A135639
Score: 19.0606
Type of gen. func.: revogf

$$\frac{3356 x}{(839 + (703921 + 3356 x)^{1/2})^{2}}$$

Sequence: A135639
Score: 53.1667
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A135639
Score: 8.39577
Type of gen. func.: ogf

{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 839}

Sequence: A135639
Score: 85.7728
Type of gen. func.: lgdogf

$$- \frac{2}{x - 1}$$

Sequence: A135640
Score: 12.3667
Type of gen. func.: ogf

-839 f(x) x + f(x) - 1

Sequence: A135640
Score: 23.1205
Type of gen. func.: ogf

$$-\frac{1}{839 x - 1}$$

Sequence: A135640
Score: 9.84761
Type of gen. func.: ogf

$$\{a(n + 1) - 839 a(n), a(0) = 1\}$$

Sequence: A135653
Score: 3.15354
Type of gen. func.: ogf

$$(10 f(x) x - f(x) + 1)^{2}$$

Sequence: A135654
Score: 2.81011
Type of gen. func.: ogf

$$-\frac{1000000 x^{6} + 100000 x^{5} + 10000 x^{4} + 1000 x^{3} + 100 x^{2} + 10 x + 1}{1111111 x^{7} - 1}$$

Sequence: A135654
Score: 6.59764
Type of gen. func.: ogf

$$(10 f(x) x - f(x) + 1)^{2}$$

Sequence: A135655
Score: 3.42088
Type of gen. func.: ogf

$$(88888888888890\,x^{12} + 8888888888889\,x^{11} + 1000000\,x^{4} + 100000\,x^{3} + 10000\,x^{2} + 1000\,x + 100) \Big/ (8888888888889\,x^{11} - 10000000\,x^{5} + 100)$$

Sequence: A135655
Score: 7.94852
Type of gen. func.: ogf

$$-(f(x) - 2)\,(10\,f(x)\,x - f(x) + 1)^{2}$$

Sequence: A135659
Score: 18.0351
Type of gen. func.: ogf

$$\frac{17\,x + 7}{(x - 1)^{2}}$$

Sequence: A135659
Score: 21.9970
Type of gen. func.: revogf

$$-\frac{-7 - 2\,x + (49 + 96\,x)^{1/2}}{2\,(-17 + x)}$$

Sequence: A135659
Score: 32.5556
Type of gen. func.: lgdogf

$$-\frac{17\,x + 31}{(17\,x + 7)\,(x - 1)}$$

Sequence: A135659
Score: 9.32152
Type of gen. func.: ogf

^{2}

$$(48 f(x) + 625) (f(x) x - 2 f(x) x + f(x) - 17 x - 7)$$

Sequence: A135659
Score: 9.99537
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 7, a(1) = 31\}$$

Sequence: A135690
Score: 10.4490
Type of gen. func.: ogf

$$-\frac{x (2 x - 1) (3 x^2 + 1)}{(x - 1) (2 x^4 - 1)}$$

Sequence: A135690
Score: 11.0554
Type of gen. func.: lgdogf

$$-\frac{24 x^7 - 30 x^6 + 28 x^5 - 22 x^4 + 20 x^3 - 21 x^2 + 6 x - 1}{(x - 1) (2 x - 1) (3 x^2 + 1) (2 x^4 - 1)}$$

Sequence: A135694
Score: 12.2042
Type of gen. func.: ogf

$$-\frac{2 x^3 + x - 1}{(x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A135694
Score: 14.6991
Type of gen. func.: lgdogf

```
                 6    4      3      2
              2 x  + x  - 4 x  - 5 x  - 2 x - 1
       - ----------------------------------------
             2            2              3
```

$$(x + x + 1) (x - x + 1) (2 x + x - 1)$$

Sequence: A135694
Score: 7.32251
Type of gen. func.: ogf

$$(11 f(x) - 16) (f(x) x^4 + f(x) x^2 + 2 x^3 + f(x) + x - 1)$$

Sequence: A135695
Score: 10.8228
Type of gen. func.: ogf

$$- \frac{(x + 1) (3 x^2 + 1)}{(x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A135695
Score: 12.2345
Type of gen. func.: lgdogf

$$- \frac{(x - 1) (3 x^5 + 9 x^4 + 9 x^3 + 13 x^2 + 5 x + 1)}{(x + 1) (3 x^2 + 1) (x^2 - x + 1) (x^2 + x + 1)}$$

Sequence: A135695
Score: 6.57459
Type of gen. func.: ogf

$$-(24 f(x) + 67) (f(x) x^4 + f(x) x^2 + 3 x^3 + 3 x^2 + f(x) + x + 1)$$

Sequence: A135703
Score: 14.3585
Type of gen. func.: ogf

$$- \frac{x (9 x + 5)}{(x - 1)^3}$$

Sequence: A135703
Score: 33.6255
Type of gen. func.: lgdogf

$$-\frac{6 (4 + 3 x)}{(9 x + 5) (x - 1)}$$

Sequence: A135703
Score: 6.99515
Type of gen. func.: ogf

$$(184828 f(x) - 834879) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 9 x^2 - f(x) + 5 x)$$

Sequence: A135703
Score: 7.30743
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 5, a(2) = 24}

Sequence: A135704
Score: 12.0597
Type of gen. func.: ogf

$$-\frac{21 x^2 - 11 x + 4}{(x - 1)^3}$$

Sequence: A135704
Score: 19.5978
Type of gen. func.: lgdogf

$$-\frac{21 x^2 + 20 x + 1}{(x - 1) (21 x^2 - 11 x + 4)}$$

Sequence: A135704
Score: 6.02986

Type of gen. func.: ogf

$$-(65660 f(x) - 355623) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 21 x^2 - f(x) - 11 x + 4)$$

Sequence: A135704
Score: 6.72356
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 4, a(1) = 1, a(2) = 12\}$$

Sequence: A135705
Score: 14.7251
Type of gen. func.: ogf

$$- \frac{x (x + 9)}{(x - 1)^3}$$

Sequence: A135705
Score: 39.4182
Type of gen. func.: lgdogf

$$- \frac{2 (x + 14)}{(x + 9) (x - 1)}$$

Sequence: A135705
Score: 7.29854
Type of gen. func.: ogf

$$(12900 f(x) - 66937) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 9 x)$$

Sequence: A135705
Score: 7.49404
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 9, a(2) = 28\}$$

Sequence: A135706
Score: 14.5900
Type of gen. func.: ogf

$$-\frac{2 x (4 x + 1)}{(x - 1)^3}$$

Sequence: A135706
Score: 37.2765
Type of gen. func.: lgdogf

$$-\frac{7 + 8 x}{(4 x + 1) (x - 1)}$$

Sequence: A135706
Score: 7.23158
Type of gen. func.: ogf

$$-(175 f(x) - 558) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 8 x^2 - f(x) + 2 x)$$

Sequence: A135706
Score: 7.42529
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 2, a(2) = 14\}$$

Sequence: A135712
Score: 11.6547
Type of gen. func.: ogf

$$\frac{2 x^2 + 9 x + 1}{(x - 1)^4}$$

Sequence: A135712
Score: 21.9283
Type of gen. func.: lgdogf

$$-\frac{4 x^2 + 31 x + 13}{(x - 1) (2 x^2 + 9 x + 1)}$$

Sequence: A135712
Score: 3.98107
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (11 + 8 n) a(n + 3) + (-45 - 7 n) a(n + 2)$$
$$+ (-6 - 2 n) a(n + 1), a(0) = 1, a(1) = 13, a(2) = 48, a(3) = 118\}$$

Sequence: A135712
Score: 5.54604
Type of gen. func.: ogf

$$(150412032 f(x) + 939684563)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 2 x^2 + f(x) - 9 x - 1)$$

Sequence: A135713
Score: 12.6261
Type of gen. func.: ogf

$$\frac{x (7 x + 5)}{(x - 1)^4}$$

Sequence: A135713
Score: 33.7316
Type of gen. func.: lgdogf

$$-\frac{3 (9 + 7 x)}{(7 x + 5) (x - 1)}$$

Sequence: A135713
Score: 5.36405
Type of gen. func.: ogf

$$\{(10 + 5 n) a(n + 3) + (-25 + 2 n) a(n + 2) + (-21 - 7 n) a(n + 1), a(0) = 0,$$

$a(1) = 5, a(2) = 27\}$

Sequence: A135713
Score: 5.86214
Type of gen. func.: ogf

$(91687680 f(x) + 447571829)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 7 x^2 + f(x) - 5 x)$$

Sequence: A135849
Score: 13.7639
Type of gen. func.: ogf

$$\frac{(2 x - 1) (x - 1)}{3 x^2 - 8 x + 1}$$

Sequence: A135849
Score: 16.6772
Type of gen. func.: lgdogf

$$- \frac{(x + 1) (7 x - 5)}{(x - 1) (2 x - 1) (3 x^2 - 8 x + 1)}$$

Sequence: A135849
Score: 7.08238
Type of gen. func.: ogf

$$\{-a(n + 3) + 8 a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 5, a(2) = 39\}$$

Sequence: A135849
Score: 7.52047
Type of gen. func.: ogf

$$(143 + 482 f(x)) (3 f(x) x^2 - 8 f(x) x - 2 x^2 + f(x) + 3 x - 1)$$

Sequence: A135851
Score: 12.2784
Type of gen. func.: ogf

$$-f(x)\,x^3 - f(x)\,x - x^2 + f(x) - x + 1$$

Sequence: A135851
Score: 16.4485
Type of gen. func.: ogf

$$-\frac{x^2 + x - 1}{x^3 + x - 1}$$

Sequence: A135851
Score: 21.7942
Type of gen. func.: lgdogf

$$-\frac{x\,(x^3 + 2\,x^2 - 4\,x + 2)}{(x^2 + x - 1)\,(x^3 + x - 1)}$$

Sequence: A135851
Score: 9.37385
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n),\ a(0) = -1,\ a(1) = 0,\ a(2) = 1\}$$

Sequence: A135854
Score: 3.72422
Type of gen. func.: ogf

$$\{(-2\,n^2 - 10\,n - 12)\,a(n) + (3\,n^2 + 12\,n + 9)\,a(n + 1)$$
$$+ (-n^2 - 3\,n - 2)\,a(n + 2),\ a(0) = 1,\ a(1) = 6,\ a(2) = 15\}$$

Sequence: A135854
Score: 4.39666

Type of gen. func.: ogf

$$(2 f(x) + 7) (4 f(x) x^4 - 12 f(x) x^3 + 4 x^4 + 13 f(x) x^2 - 12 x^3 - 6 f(x) x + 8 x^2 + f(x) - 1)$$

Sequence: A135854
Score: 7.53712
Type of gen. func.: ogf

$$-\frac{4 x^4 - 12 x^3 + 8 x^2 - 1}{(2 x - 1)^2 (x - 1)^2}$$

Sequence: A135859
Score: 16.5286
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 + 6 x^2 + 3 x + 2)}{(x - 1) (2 x^3 + 3 x^2 + 1)}$$

Sequence: A135859
Score: 5.37322
Type of gen. func.: ogf

$$(46 f(x) + 53)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 2 x^3 - 4 f(x) x - 3 x^2 + f(x) - 1)$$

Sequence: A135859
Score: 5.37322
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 1) + (n - 2) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 4, a(2) = 13\}$$

Sequence: A135859

Score: 9.93678
Type of gen. func.: ogf

$$\frac{2 x^3 + 3 x^2 + 1}{(x - 1)^4}$$

Sequence: A135863
Score: 12.7849
Type of gen. func.: ogf

$$-16 f(x) x^2 + f(x)^2 - 2 f(x) + 1$$

Sequence: A135863
Score: 48.4210
Type of gen. func.: lgdogf

$$\frac{4}{(4 x^2 + 1)^{1/2}}$$

Sequence: A135863
Score: 6.17203
Type of gen. func.: ogf

$$\{(-4 n + 4) a(n + 1) + (-n - 2) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 8\}$$

Sequence: A135864
Score: 10.3987
Type of gen. func.: ogf

$$729 f(x) x^3 - f(x)^3 + 3 f(x)^2 - 3 f(x) + 1$$

Sequence: A135864
Score: 5.90646
Type of gen. func.: ogf

$$\{(-108 n^2 + 162 n) a(n) + (n^2 + 3 n + 2) a(n + 3), a(0) = 1, a(1) = 9,$$

a(2) = 27}

Sequence: A135908
Score: 11.0739
Type of gen. func.: ogf

$$-\frac{x^3 (3 x^3 - 2 x^2 - x - 2)}{(x - 1) (3 x^3 - 1)}$$

Sequence: A135908
Score: 11.4714
Type of gen. func.: lgdogf

$$-\frac{9 x^6 - 12 x^5 - 3 x^4 - 12 x^3 + 7 x^2 + 4 x + 3}{(x - 1) (3 x^3 - 1) (3 x^3 - 2 x^2 - x - 2)}$$

Sequence: A135909
Score: 8.93349
Type of gen. func.: lgdogf

$$\frac{6 x^9 - 12 x^8 + 6 x^7 - 11 x^6 + 16 x^5 + x^4 + 14 x^3 - 11 x^2 - 2 x - 3}{(x - 1) (x^6 - x^5 + 2 x^3 - x^2 - x - 2) (3 x^3 - 1)}$$

Sequence: A135909
Score: 9.55101
Type of gen. func.: ogf

$$-\frac{x^3 (x^6 - x^5 + 2 x^3 - x^2 - x - 2)}{(x - 1) (3 x^3 - 1)}$$

Sequence: A135913
Score: 11.4515
Type of gen. func.: lgdogf

$$-\frac{132 x^4 - 276 x^3 + 211 x^2 - 66 x + 7}{(x - 1) (3 x - 1) (2 x - 1) (22 x^2 - 23 x + 5)}$$

Sequence: A135913
Score: 11.6627
Type of gen. func.: ogf

$$-\frac{22 x^2 - 23 x + 5}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A135913
Score: 6.16871
Type of gen. func.: ogf

$$-(17 f(x) + 275) (6 f(x) x^3 - 11 f(x) x^2 + 6 f(x) x + 22 x^2 - f(x) - 23 x + 5)$$

Sequence: A135913
Score: 6.60542
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 11 a(n + 1) - 6 a(n), a(0) = 5, a(1) = 7, a(2) = 9\}$$

Sequence: A135914
Score: 11.2566
Type of gen. func.: lgdogf

$$-\frac{24 x^4 - 12 x^3 - 31 x^2 + 30 x - 7}{(x - 1) (3 x - 1) (2 x - 1) (4 x^2 - x - 1)}$$

Sequence: A135914
Score: 12.0139
Type of gen. func.: ogf

$$\frac{4 x^2 - x - 1}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A135914
Score: 6.15586
Type of gen. func.: ogf

$$-(146 f(x) - 2837) (6 f(x) x^3 - 11 f(x) x^2 + 6 f(x) x - 4 x^2 - f(x) + x + 1)$$

Sequence: A135914
Score: 6.53386
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 11 a(n + 1) + 6 a(n), a(0) = 1, a(1) = 7, a(2) = 27\}$$

Sequence: A135916
Score: 25.6375
Type of gen. func.: lgdogf

$$- \frac{3 x^2 + 2 x - 25}{(x - 1) (x^2 - 5)}$$

Sequence: A135916
Score: 4.06465
Type of gen. func.: ogf

$$\{(-61 n^2 - 296 n - 348) a(n + 1) + (192 n^2 + 926 n + 1095) a(n + 2)$$
$$+ (-131 n^2 - 350 n - 219) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 15\}$$

Sequence: A135916
Score: 9.70435
Type of gen. func.: ogf

$$\frac{3 x^2 (x^2 - 5)}{(x - 1)^5}$$

Sequence: A135917
Score: 5.76386
Type of gen. func.: ogf

$$-\frac{x\,(5\,x^{5}+29\,x^{4}-161\,x^{3}+159\,x^{2}+84\,x+4)}{(x-1)^{7}}$$

Sequence: A135917
Score: 8.66120
Type of gen. func.: lgdogf

$$-\frac{2\,(5\,x^{5}+56\,x^{4}-264\,x^{3}+156\,x^{2}+411\,x+56)}{(x-1)\,(5\,x^{5}+29\,x^{4}-161\,x^{3}+159\,x^{2}+84\,x+4)}$$

Sequence: A135918
Score: 4.8775
Type of gen. func.: ogf

$$-(1918227\,f(x)+536756)$$

$$(160\,f(x)\,x^{3}-188\,f(x)\,x^{2}+29\,f(x)\,x-64\,x^{2}-f(x)+5\,x)$$

Sequence: A135918
Score: 5.33607
Type of gen. func.: ogf

$\{-a(n+3)+29\,a(n+2)-188\,a(n+1)+160\,a(n),\ a(0)=0,\ a(1)=5,$

$a(2)=81\}$

Sequence: A135918
Score: 8.28169
Type of gen. func.: lgdogf

$$-\frac{20480\,x^{3}-14432\,x^{2}+1880\,x-81}{(x-1)\,(64\,x-5)\,(20\,x-1)\,(8\,x-1)}$$

Sequence: A135918
Score: 9.90984
Type of gen. func.: ogf

$$\frac{x (64 x - 5)}{(x - 1) (20 x - 1) (8 x - 1)}$$

Sequence: A135923
Score: 4.18639
Type of gen. func.: ogf

$$- \frac{x (10 x^7 - 279 x^6 + 1071 x^5 - 879 x^4 - 1724 x^3 + 2331 x^2 + 1115 x + 35)}{(x - 1)^9}$$

Sequence: A135949
Score: 10.7406
Type of gen. func.: ogf

$$\frac{4 x^2 + x - 1}{(2 x + 1) (x^2 + 2 x - 1)}$$

Sequence: A135949
Score: 12.2079
Type of gen. func.: lgdogf

$$- \frac{8 x^4 + 4 x^3 - x^2 - 2 x + 1}{(2 x + 1) (4 x^2 + x - 1) (x^2 + 2 x - 1)}$$

Sequence: A135949
Score: 6.51294
Type of gen. func.: ogf

{-a(n + 3) + 5 a(n + 1) + 2 a(n), a(0) = 1, a(1) = -1, a(2) = 1}

Sequence: A135949
Score: 7.20254
Type of gen. func.: ogf

$$f(x)\,(2\,f(x)\,x^3 + 5\,f(x)\,x^2 - 4\,x^2 - f(x) - x + 1)$$

Sequence: A135989
Score: 6.17331
Type of gen. func.: lgdogf

$$-(31\,x^9 + 35\,x^8 + 129\,x^7 + 193\,x^6 + 107\,x^5 + 229\,x^4 + 75\,x^3 + 131\,x^2 + 67\,x + 3) \Big/ \left((x - 1)\,(x^4 + x^3 + x^2 + x + 1)\,(31\,x^5 + 2\,x^4 + 32\,x^3 + 32\,x^2 + 2\,x + 1)\right)$$

Sequence: A135989
Score: 9.22355
Type of gen. func.: ogf

$$\frac{3\,(31\,x^5 + 2\,x^4 + 32\,x^3 + 32\,x^2 + 2\,x + 1)}{(x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A135990
Score: 13.8708
Type of gen. func.: ogf

$$\frac{x^2\,(x - 1)\,(x + 1)}{x^5 - 2\,x^4 + x^2 - 1}$$

Sequence: A135990
Score: 18.3040
Type of gen. func.: lgdogf

$$-\frac{x^3\,(3\,x^3 - 4\,x^2 - 5\,x + 8)}{(x - 1)\,(x + 1)\,(x^5 - 2\,x^4 + x^2 - 1)}$$

Sequence: A135990
Score: 8.7534
Type of gen. func.: ogf

$$f(x)\,(f(x)\,x^5 - 2\,f(x)\,x^4 - x^4 + f(x)\,x^2 + x^2 - f(x))$$

Sequence: A135991
Score: 11.6199
Type of gen. func.: lgdogf

$$-\frac{x\,(3\,x^6 - 7\,x^5 + 12\,x^3 - 12\,x^2 + 2\,x - 2)}{(x - 1)\,(x + 1)\,(x^6 - 3\,x^5 + 3\,x^4 - x + 1)}$$

Sequence: A135991
Score: 8.51622
Type of gen. func.: ogf

$$\frac{x^2\,(x + 1)\,(x - 1)^2}{x^6 - 3\,x^5 + 3\,x^4 - x + 1}$$

Sequence: A135992
Score: 11.6168
Type of gen. func.: lgdogf

$$-\frac{(x + 1)\,(x^5 - x^4 + x^3 - 5\,x^2 + 5\,x + 1)}{(x^2 + x - 1)\,(x^2 - x - 1)\,(x^3 - x - 1)}$$

Sequence: A135992
Score: 12.8911
Type of gen. func.: ogf

$$-\frac{x^3 - x - 1}{{}^{2}\qquad\qquad{}^{2}}$$

$$(x + x - 1) (x - x - 1)$$

Sequence: A135992
Score: 7.42215
Type of gen. func.: ogf

$$-(65 f(x) + 22) (f(x) x^4 - 3 f(x) x^2 + x^3 + f(x) - x - 1)$$

Sequence: A135994
Score: 13.9327
Type of gen. func.: ogf

$$-\frac{x (x - 2)}{(x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A135994
Score: 14.6851
Type of gen. func.: lgdogf

$$-\frac{3 x^4 - 8 x^3 - 3 x^2 + 12 x - 1}{(x - 2) (x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A135994
Score: 8.11462
Type of gen. func.: ogf

$$(50 f(x) + 21) (f(x) x^4 - 3 f(x) x^2 + x^2 + f(x) - 2 x)$$

Sequence: A135997
Score: 11.9730
Type of gen. func.: lgdogf

$$-\frac{4 x^6 + 9 x^5 - 4 x^4 + 3 x^3 - 3 x^2 - 2 x - 1}{(x - 1) (x^2 + x + 1) (2 x^4 + 3 x^3 - x^2 - x - 2)}$$

Sequence: A135997
Score: 9.76603
Type of gen. func.: ogf

$$-\frac{x(2x^4+3x^3-x^2-x-2)}{(x-1)^2(x^2+x+1)^2}$$

Sequence: A136006
Score: 5.24220
Type of gen. func.: ogf

$$-\frac{2x^2(x^4+29x^3+147x^2+155x+28)}{(x-1)^7}$$

Sequence: A136006
Score: 9.55316
Type of gen. func.: lgdogf

$$-\frac{3(x^4+40x^3+274x^2+408x+117)}{(x-1)(x^4+29x^3+147x^2+155x+28)}$$

Sequence: A136008
Score: 14.6482
Type of gen. func.: lgdogf

$$-\frac{4(x^3+7x^2+10x+3)}{(x-1)(x+1)(x^2+4x+1)}$$

Sequence: A136008
Score: 4.21367
Type of gen. func.: ogf

$\{(n^2+2n)\,a(n)+(-2n^2-4n-30)\,a(n+1)+(n^2+2n)\,a(n+2),\ a(0)=0,$

a(1) = 0, a(2) = 60}

Sequence: A136008
Score: 5.59462
Type of gen. func.: ogf

$$-\frac{60 x^2 (x + 1) (x^2 + 4 x + 1)}{(x - 1)^7}$$

Sequence: A136010
Score: 11.5975
Type of gen. func.: revogf

$$\frac{-20 - 7 x + (85 x^2 - 244 x + 400)^{1/2}}{2 (-131 + 9 x)}$$

Sequence: A136010
Score: 12.0845
Type of gen. func.: ogf

$$\frac{131 x - 20}{9 x^2 + 7 x - 1}$$

Sequence: A136010
Score: 12.6284
Type of gen. func.: lgdogf

$$-\frac{9 (131 x^2 - 40 x - 1)}{(131 x - 20) (9 x^2 + 7 x - 1)}$$

Sequence: A136010
Score: 6.10584
Type of gen. func.: ogf

$$(1640 f(x) - 32791) (9 f(x) x^2 + 7 f(x) x - f(x) - 131 x + 20)$$

Sequence: A136010
Score: 6.98861
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) + 9 a(n), a(0) = 20, a(1) = 9\}$$

Sequence: A136016
Score: 12.9822
Type of gen. func.: ogf

$$\frac{x^2 - 11 x - 8}{(x - 1)^3}$$

Sequence: A136016
Score: 23.2309
Type of gen. func.: lgdogf

$$-\frac{x^2 - 20 x - 35}{(x - 1) (x^2 - 11 x - 8)}$$

Sequence: A136016
Score: 6.87946
Type of gen. func.: ogf

$$(428 f(x) - 5749) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 11 x + 8)$$

Sequence: A136016
Score: 7.06050
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 8, a(1) = 35, a(2) = 80\}$$

Sequence: A136017
Score: 12.0676

Type of gen. func.: ogf

$$\frac{x^2 - 38 x - 35}{(x - 1)^3}$$

Sequence: A136017
Score: 20.7141
Type of gen. func.: lgdogf

$$-\frac{x^2 - 74 x - 143}{(x - 1) (x^2 - 38 x - 35)}$$

Sequence: A136017
Score: 6.3887
Type of gen. func.: ogf

$$(304 f(x) - 15245) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 38 x + 35)$$

Sequence: A136017
Score: 6.49791
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 35, a(1) = 143, a(2) = 323\}$$

Sequence: A136029
Score: 11.5242
Type of gen. func.: lgdogf

$$-\frac{x^5 + x^4 - 2 x^3 - 4 x^2 + x - 1}{(x - 1) (x + 1) (x^2 + 1) (x^2 + 2 x - 1)}$$

Sequence: A136029
Score: 7.79399
Type of gen. func.: ogf

$$-f(x)^2 x^4 - 2 f(x)^2 x^3 - 2 f(x)^2 x + f(x)^2 + x^2 - 1$$

Sequence: A136038
Score: 14.2463
Type of gen. func.: lgdogf

$$-\frac{8 x^3 + 71 x^2 + 104 x + 27}{(x - 1) (x + 1) (2 x^2 + 11 x + 2)}$$

Sequence: A136038
Score: 4.13006
Type of gen. func.: ogf

$$\{(-7 n^2 - 37 n - 48) a(n + 1) + (14 n^2 + 56 n + 162) a(n + 2) + (-7 n^2 - 19 n - 12) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 48\}$$

Sequence: A136038
Score: 6.28186
Type of gen. func.: ogf

$$-\frac{24 x^2 (x + 1) (2 x^2 + 11 x + 2)}{(x - 1)^7}$$

Sequence: A136042
Score: 6.98094
Type of gen. func.: ogf

$$-(x^{13} + 2 x^{12} + 3 x^{11} + x^{10} + x^9 + 2 x^8 + x^7 + x^6 + x^5 + 3 x^4 + 2 x^3 + x^2 + 4 x + 5) / ((x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x + 1) (x^6 - x^5 + x^4 - x^3 + x^2 - x + 1))$$

Sequence: A136047
Score: 11.0447
Type of gen. func.: lgdogf

$$-\frac{3x^5 - 7x^4 + 32x^3 + 12x^2 + 21x + 3}{(x-1)(x+1)(x^4 - 2x^3 + 6x^2 + 2x + 1)}$$

Sequence: A136047
Score: 7.33394
Type of gen. func.: ogf

$$\frac{x^4 - 2x^3 + 6x^2 + 2x + 1}{(x+1)^3 (x-1)^4}$$

Sequence: A136105
Score: 19.4209
Type of gen. func.: lgdogf

$$-\frac{6x^2 + 16x - 27}{(x-1)(2x^2 + 3x - 6)}$$

Sequence: A136105
Score: 9.27870
Type of gen. func.: ogf

$$\frac{2x^2 + 3x - 6}{(x-1)^5}$$

Sequence: A136161
Score: 6.33178
Type of gen. func.: ogf

$$-\frac{x(3x^4 + 7x^3 - x^2 - 2x - 5)}{(x-1)^2 (x^2 + x + 1)^2}$$

Sequence: A136161
Score: 7.28117
Type of gen. func.: lgdogf

$$-\frac{6x^6+21x^5-4x^4+2x^3-9x^2-2x-2}{(x-1)(x^2+x+1)(3x^4+7x^3-x^2-2x-5)}$$

Sequence: A136169
Score: 8.03858
Type of gen. func.: ogf

$$-\frac{x^4-x^3-x^2-x+1}{(2x-1)(x^2+x+1)(x-1)^2}$$

Sequence: A136169
Score: 8.62921
Type of gen. func.: lgdogf

$$-\frac{2x^7-2x^6-6x^5-4x^4+3x^3-x^2+4x-2}{(x-1)(2x-1)(x^2+x+1)(x^4-x^3-x^2-x+1)}$$

Sequence: A136184
Score: 6.19116
Type of gen. func.: ogf

$$-\frac{x^{10}+x^9-x^8+x^6-x^3-x-1}{(x^2+x+1)(x+1)^2(x-1)^4}$$

Sequence: A136184
Score: 6.21289
Type of gen. func.: lgdogf

$$(2x^{13}+2x^{12}-6x^{11}-16x^{10}-16x^9-3x^8+2x^7-2x^6+13x^4+20x^3$$

$$+ 18 x^2 + 8 x + 2) \Big/ ((x - 1) (x + 1) (x^2 + x + 1)$$

$$(x^{10} + x^9 - x^8 + x^6 - x^3 - x - 1))$$

Sequence: A136185
Score: 6.70185
Type of gen. func.: ogf

$$- \frac{x^7 - 2 x^5 + x^3 + x^2 - x - 1}{(x^2 + x + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A136185
Score: 9.78393
Type of gen. func.: lgdogf

$$- \frac{x^{10} + 2 x^9 - 4 x^4 - 6 x^3 - 9 x^2 - 6 x - 2}{(x - 1) (x + 1) (x^2 + x + 1) (x^7 - 2 x^5 + x^3 + x^2 - x - 1)}$$

Sequence: A136188
Score: 16.1320
Type of gen. func.: ogf

$$- \frac{5 x^2 + 5 x + 3}{(x - 1) (x + 1)}$$

Sequence: A136188
Score: 9.41031
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 3, a(1) = 5, a(2) = 8\}$$

Sequence: A136188
Score: 9.75884
Type of gen. func.: ogf

$$-(16 f(x) - 23) (f(x) x^2 + 5 x^2 - f(x) + 5 x + 3)$$

Sequence: A136201
Score: 12.8937
Type of gen. func.: ogf

$$\frac{x^3}{(3 x^2 - 1) (x^2 + 2 x - 1)}$$

Sequence: A136201
Score: 14.4666
Type of gen. func.: lgdogf

$$- \frac{2 (2 x - 1) (3 x^2 + 6 x + 1)}{(3 x^2 - 1) (x^2 + 2 x - 1)}$$

Sequence: A136201
Score: 6.90266
Type of gen. func.: ogf

$$3 f(x) x^4 + 6 f(x) x^3 - 4 f(x) x^2 - x^3 - 2 f(x) x + f(x)$$

Sequence: A136210
Score: 11.1836
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - 9 x^4 - 4 x^3 + 15 x^2 + 8 x + 3}{(x^2 - 3 x - 1) (x^4 - 5 x^2 + 1)}$$

Sequence: A136210
Score: 11.8147
Type of gen. func.: ogf

$$2$$

$$-\frac{x - 3 x - 1}{x^4 - 5 x^2 + 1}$$

Sequence: A136210
Score: 7.16422
Type of gen. func.: ogf

$$(13 f(x) + 6) (f(x) x^4 - 5 f(x) x^2 + x^2 + f(x) - 3 x - 1)$$

Sequence: A136211
Score: 10.7986
Type of gen. func.: lgdogf

$$-\frac{x^6 - 7 x^4 - 4 x^3 + 17 x^2 + 10 x + 4}{(x^3 - 4 x - 1) (x^4 - 5 x^2 + 1)}$$

Sequence: A136211
Score: 11.2243
Type of gen. func.: ogf

$$-\frac{x^3 - 4 x - 1}{x^4 - 5 x^2 + 1}$$

Sequence: A136211
Score: 6.59573
Type of gen. func.: ogf

$$(872 f(x) + 425) (f(x) x^4 - 5 f(x) x^2 + x^3 + f(x) - 4 x - 1)$$

Sequence: A136249
Score: 11.2899
Type of gen. func.: lgdogf

$$-\frac{68 x^4 - 16 x^3 - 39 x^2 + 2 x + 2}{}$$

$$(2 x + 1) (2 x - 1) (x + 1) (17 x^2 - 2 x - 4)$$

Sequence: A136249
Score: 11.4034
Type of gen. func.: ogf

$$\frac{17 x^2 - 2 x - 4}{(2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A136249
Score: 6.20184
Type of gen. func.: ogf

$$(12 f(x) - 47) (4 f(x) x^3 + 4 f(x) x^2 - f(x) x - 17 x^2 - f(x) + 2 x + 4)$$

Sequence: A136249
Score: 6.31260
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) + 4 a(n + 1) + 4 a(n), a(0) = 4, a(1) = -2, a(2) = 1\}$$

Sequence: A136252
Score: 14.8543
Type of gen. func.: ogf

$$\frac{2 x + 1}{(x - 1) (2 x^2 - 1)}$$

Sequence: A136252
Score: 17.1649
Type of gen. func.: lgdogf

$$- \frac{8 x^3 + 2 x^2 - 4 x - 3}{(x - 1) (2 x + 1) (2 x^2 - 1)}$$

Sequence: A136252
Score: 7.02926
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 2 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 3, a(2) = 5\}$$

Sequence: A136252
Score: 7.2896
Type of gen. func.: ogf

$$-(f(x) - 14) (2 f(x) x^3 - 2 f(x) x^2 - f(x) x + f(x) - 2 x - 1)$$

Sequence: A136254
Score: 16.6102
Type of gen. func.: lgdogf

$$- \frac{8 x^2 - 7 x + 3}{(x - 1) (4 x^2 - 5 x + 2)}$$

Sequence: A136254
Score: 4.58309
Type of gen. func.: ogf

$$(f(x) + 4)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 8 x^2 + f(x) + 10 x - 4)$$

Sequence: A136254
Score: 8.51146
Type of gen. func.: ogf

$$\frac{2 (4 x^2 - 5 x + 2)}{(x - 1)^4}$$

Sequence: A136258
Score: 16.7523

Type of gen. func.: ogf

$$\frac{3 x + 1}{2 x^2 - 2 x + 1}$$

Sequence: A136258
Score: 18.9133
Type of gen. func.: revogf

$$-\frac{-1 - 2 x + (-4 x^2 + 16 x + 1)^{1/2}}{2 (-3 + 2 x)}$$

Sequence: A136258
Score: 21.9803
Type of gen. func.: lgdogf

$$-\frac{6 x^2 + 4 x - 5}{(3 x + 1) (2 x^2 - 2 x + 1)}$$

Sequence: A136258
Score: 8.76576
Type of gen. func.: ogf

$$(6 f(x) + 19) (2 f(x) x^2 - 2 f(x) x + f(x) - 3 x - 1)$$

Sequence: A136258
Score: 9.19335
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A136264
Score: 33.3317
Type of gen. func.: lgdogf

$$\frac{32 x}{\quad}$$

$$(x - 1) (x + 1) (x^2 - 6 x + 1)$$

Sequence: A136264
Score: 4.00088
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (6 n + 18) a(n + 3) - 32 a(n + 2) + (-6 n - 6) a(n + 1) + n a(n), a(0) = 1, a(1) = 0, a(2) = -16, a(3) = -64\}$$

Sequence: A136264
Score: 5.47058
Type of gen. func.: ogf

$$(5 f(x) - 37) (f(x) x^4 - 4 f(x) x^3 - x^4 + 6 f(x) x^2 + 4 x^3 - 4 f(x) x + 10 x^2 + f(x) + 4 x - 1)$$

Sequence: A136264
Score: 9.35088
Type of gen. func.: ogf

$$\frac{(x^2 - 6 x + 1) (x + 1)^2}{(x - 1)^4}$$

Sequence: A136270
Score: 11.0301
Type of gen. func.: ogf

$$- \frac{3 x - 1}{3 x^2 - 20 x + 1}$$

Sequence: A136270
Score: 11.5417
Type of gen. func.: revogf

$$- \frac{-1 - 20 x + (388 x^2 + 28 x + 1)^{1/2}}{}$$

$$6 (x + 1)$$

Sequence: A136270
Score: 13.0604
Type of gen. func.: lgdogf

$$-\frac{9 x^2 - 6 x + 17}{(3 x - 1) (3 x^2 - 20 x + 1)}$$

Sequence: A136270
Score: 5.45574
Type of gen. func.: ogf

$$-(334 f(x) - 45) (3 f(x) x^2 - 20 f(x) x + f(x) + 3 x - 1)$$

Sequence: A136270
Score: 6.04029
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 17\}$$

Sequence: A136281
Score: 11.3662
Type of gen. func.: lgdegf]

$$-\frac{(x - 2) (x^5 - 2 x^4 + 2 x^3 + 2 x - 4)}{2 (x^3 - 2 x^2 + 2 x - 2) (x - 1)^2}$$

Sequence: A136289
Score: 15.5826
Type of gen. func.: ogf

$$\frac{3 (x^2 + 1)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A136289
Score: 18.1551
Type of gen. func.: lgdogf

$$-\frac{2x^4+x^3+5x^2+3x+1}{(x-1)(x^2+1)(x^2+x+1)}$$

Sequence: A136289
Score: 26.8173
Type of gen. func.: ogf_with_Euler_transform]

$$-x^3+x^2+x+1$$

Sequence: A136289
Score: 5.41589
Type of gen. func.: ogf

$$\{(n+4)a(n+1)+a(n+2)+a(n+3)+(-n-3)a(n+4),\ a(0)=3,\ a(1)=3,\ a(2)=6,\ a(3)=9\}$$

Sequence: A136289
Score: 8.22414
Type of gen. func.: ogf

$$(f(x)+24)(f(x)x^4-f(x)x^3-f(x)x-3x^2+f(x)-3)$$

Sequence: A136290
Score: 6.73992
Type of gen. func.: ogf

$$(5f(x)-1334)$$

$$(f(x)x^4-f(x)x^3-x^4-2x^3-f(x)x-6x^2+f(x)-2x-1)$$

Sequence: A136293
Score: 17.3324

Type of gen. func.: ogf

$$\frac{2 (25 x + 13)}{(x - 1)^2}$$

Sequence: A136293
Score: 24.2242
Type of gen. func.: revogf

$$- \frac{-13 - x + (169 + 76 x)^{1/2}}{-50 + x}$$

Sequence: A136293
Score: 30.7461
Type of gen. func.: lgdogf

$$- \frac{51 + 25 x}{(25 x + 13) (x - 1)}$$

Sequence: A136293
Score: 8.95193
Type of gen. func.: ogf

$$(38 f(x) + 1613) (f(x) x^2 - 2 f(x) x + f(x) - 50 x - 26)$$

Sequence: A136293
Score: 9.58382
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 26, a(1) = 102\}$$

Sequence: A136297
Score: 15.2039
Type of gen. func.: ogf

$$\frac{5 x^2 - 1}{\quad {}^3 \quad {}^2}$$

$$3 x - 3 x + 3 x - 1$$

Sequence: A136297
Score: 15.9148
Type of gen. func.: lgdogf

$$-\frac{15 x^4 - 24 x^2 + 16 x - 3}{(5 x^2 - 1) (3 x^3 - 3 x^2 + 3 x - 1)}$$

Sequence: A136297
Score: 7.53583
Type of gen. func.: ogf

$$-(129 f(x) - 289) (3 f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 5 x^2 - f(x) + 1)$$

Sequence: A136297
Score: 7.73769
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 3, a(2) = 1\}$$

Sequence: A136298
Score: 11.1464
Type of gen. func.: ogf

$$\frac{x^3 - 2 x^2 - x + 1}{(x + 1) (2 x - 1)^2}$$

Sequence: A136298
Score: 14.1743
Type of gen. func.: lgdogf

$$\frac{4 x^3 + 3 x^2 - 2}{(2 x - 1) (x + 1) (x^3 - 2 x^2 - x + 1)}$$

Sequence: A136298
Score: 5.96430
Type of gen. func.: ogf

$$\{-a(n+4)+3\,a(n+3)-4\,a(n+1),\ a(0)=1,\ a(1)=2,\ a(2)=4,\ a(3)=9\}$$

Sequence: A136298
Score: 6.47552
Type of gen. func.: ogf

$$-(f(x)+7)\,(4\,f(x)\,x^3-x^3-3\,f(x)\,x+2\,x^2+f(x)+x-1)$$

Sequence: A136299
Score: 12.3712
Type of gen. func.: ogf

$$-\frac{x^3+2\,x^2+x-1}{(x+1)\,(2\,x-1)^2}$$

Sequence: A136299
Score: 17.2567
Type of gen. func.: lgdogf

$$-\frac{4\,x^3+9\,x^2-2}{(2\,x-1)\,(x+1)\,(x^3+2\,x^2+x-1)}$$

Sequence: A136299
Score: 6.61966
Type of gen. func.: ogf

$$\{a(n+4)-3\,a(n+3)+4\,a(n+1),\ a(0)=1,\ a(1)=2,\ a(2)=4,\ a(3)=7\}$$

Sequence: A136299
Score: 7.18706
Type of gen. func.: ogf

$$-(f(x) - 7) (4 f(x) x^3 + x^3 - 3 f(x) x + 2 x^2 + f(x) + x - 1)$$

Sequence: A136302
Score: 12.2877
Type of gen. func.: ogf

$$-\frac{x^2 + 2}{x^3 - 2 x^2 + 3 x - 1}$$

Sequence: A136302
Score: 15.6120
Type of gen. func.: lgdogf

$$-\frac{x^4 + 3 x^2 - 6 x + 6}{(x^2 + 2) (x^3 - 2 x^2 + 3 x - 1)}$$

Sequence: A136302
Score: 6.19821
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 2, a(1) = 6, a(2) = 15\}$$

Sequence: A136302
Score: 7.11109
Type of gen. func.: ogf

$$-(38 f(x) + 59) (f(x) x^3 - 2 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 2)$$

Sequence: A136303
Score: 9.82514
Type of gen. func.: ogf

$$-\frac{x^2 + 1}{(x^3 - 2 x^2 + 3 x - 1) (x - 1)^2}$$

Sequence: A136305
Score: 12.4897
Type of gen. func.: ogf

$$-\frac{2x^2 - x + 3}{x^3 - 2x^2 + 3x - 1}$$

Sequence: A136305
Score: 6.74220
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 3, a(1) = 8, a(2) = 20\}$$

Sequence: A136305
Score: 7.39678
Type of gen. func.: ogf

$$f(x) (f(x) x^3 - 2 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x) - x + 3)$$

Sequence: A136313
Score: 6.92226
Type of gen. func.: ogf

$$-(15 x^{10} + 7 x^9 + 21 x^8 + 13 x^7 + 5 x^6 + 19 x^5 + 11 x^4 + 3 x^3 + 17 x^2 + 9 x + 1) / ((x - 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1))$$

Sequence: A136315
Score: 6.93077
Type of gen. func.: ogf

$$-\frac{8 x^9 + 9 x^8 + 4 x^7 + 7 x^6 + 5 x^4 + 6 x^3 + 3 x^2 + 2 x + 1}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A136316
Score: 15.8836
Type of gen. func.: ogf

$$\frac{15 x - 13}{(x - 1)^3}$$

Sequence: A136316
Score: 37.9954
Type of gen. func.: lgdogf

$$-\frac{6 (-4 + 5 x)}{(15 x - 13) (x - 1)}$$

Sequence: A136316
Score: 7.59650
Type of gen. func.: ogf

{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 13, a(1) = 24, a(2) = 33}

Sequence: A136316
Score: 7.59651
Type of gen. func.: ogf

$$-(452 f(x) - 92951) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) - 15 x + 13)$$

Sequence: A136320
Score: 14.0848
Type of gen. func.: ogf

$$\frac{5 x^2 - 2 x + 3}{(x + 1) (x - 1)^2}$$

Sequence: A136320
Score: 18.7273
Type of gen. func.: lgdogf

$$-\frac{5x^3+x^2+17x+1}{(x-1)(x+1)(5x^2-2x+3)}$$

Sequence: A136320
Score: 7.40666
Type of gen. func.: ogf

$$(822 f(x) + 3491) (f(x) x^3 - f(x) x^2 - f(x) x - 5 x^2 + f(x) + 2 x - 3)$$

Sequence: A136320
Score: 7.67118
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 3, a(1) = 1, a(2) = 9\}$$

Sequence: A136324
Score: 5.83778
Type of gen. func.: ogf

$$(216 f(x) + 85) (4 f(x) x^4 - 5 f(x) x^2 + 3 x^3 - x^2 + f(x) - x)$$

Sequence: A136324
Score: 7.64635
Type of gen. func.: lgdogf

$$-\frac{24x^5-12x^4-16x^3+5x^2+4x+1}{(x-1)(2x+1)(2x-1)(x+1)(3x^2-x-1)}$$

Sequence: A136324
Score: 9.57013
Type of gen. func.: ogf

$$-\frac{x(3x^2-x-1)}{(x-1)(2x+1)(2x-1)(x+1)}$$

Sequence: A136325
Score: 11.0612
Type of gen. func.: revogf

$$-\frac{-3 - 8 x + (2 x + 1)^{1/2} (3 + 10 x)^{1/2} 3^{1/2}}{2 x}$$

Sequence: A136325
Score: 15.7883
Type of gen. func.: ogf

$$\frac{3 x}{x^2 - 8 x + 1}$$

Sequence: A136325
Score: 28.7590
Type of gen. func.: lgdogf

$$-\frac{2 (x - 4)}{x^2 - 8 x + 1}$$

Sequence: A136325
Score: 7.21194
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + a(n), a(0) = 0, a(1) = 3\}$$

Sequence: A136325
Score: 9.90115
Type of gen. func.: ogf

$$-f(x) x^2 + 8 f(x) x - f(x) + 3 x$$

Sequence: A136326

Score: 11.4990
Type of gen. func.: ogf

$$\frac{x^3 - 2x^2 + x + 1}{(2x - 1)(2x + 1)(x - 1)}$$

Sequence: A136326
Score: 6.01084
Type of gen. func.: ogf

$\{-a(n + 4) + a(n + 3) + 4 a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 9\}$

Sequence: A136326
Score: 6.45066
Type of gen. func.: ogf

$$-(f(x) + 1)(4 f(x) x^3 - 4 f(x) x^2 - x^3 - f(x) x + 2 x^2 + f(x) - x - 1)$$

Sequence: A136331
Score: 7.01200
Type of gen. func.: ogf

$$\frac{3x(x^3 + 5x^2 - x - 1)}{(x - 1)(x^4 - 10x^2 + 1)}$$

Sequence: A136331
Score: 7.56345
Type of gen. func.: lgdogf

$$-\frac{2(x^7 + 7x^6 - 7x^5 - 31x^4 + 11x^3 + 9x^2 - 5x - 1)}{(x - 1)(x^3 + 5x^2 - x - 1)(x^4 - 10x^2 + 1)}$$

Sequence: A136336
Score: 11.2946
Type of gen. func.: ogf

$$-\frac{x^3 + 2 x^2 - x - 1}{(2 x - 1) (2 x + 1) (x - 1)}$$

Sequence: A136336
Score: 5.90398
Type of gen. func.: ogf

{-a(n + 4) + a(n + 3) + 4 a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 4,

a(3) = 7}

Sequence: A136336
Score: 6.33598
Type of gen. func.: ogf

$$-(3 f(x) + 7) (4 f(x) x^3 - 4 f(x) x^2 + x^3 - f(x) x + 2 x^2 + f(x) - x - 1)$$

Sequence: A136362
Score: 4.17055
Type of gen. func.: ogf

$$\frac{4 x^6 - 21 x^5 + 47 x^4 - 94 x^3 - 34 x^2 + 3 x - 1}{(x - 1)^5}$$

Sequence: A136362
Score: 5.36480
Type of gen. func.: lgdogf

$$\frac{2 (2 x^6 - 12 x^5 + 29 x^4 + 192 x^2 + 28 x + 1)}{(x - 1) (4 x^6 - 21 x^5 + 47 x^4 - 94 x^3 - 34 x^2 + 3 x - 1)}$$

Sequence: A136376
Score: 15.0502
Type of gen. func.: lgdogf

$$-\frac{x^4 + x^3 + 6x^2 + 7x + 3}{(x + 1)(x^2 + 1)(x^2 + x - 1)}$$

Sequence: A136376
Score: 4.90482
Type of gen. func.: ogf

$-(100 f(x) - 41)$

$$(f(x) x^4 + 2 f(x) x^3 - f(x) x^2 - x^3 - 2 f(x) x - x^2 + f(x) - x - 1)$$

Sequence: A136376
Score: 9.17266
Type of gen. func.: ogf

$$\frac{(x + 1)(x^2 + 1)}{(x^2 + x - 1)^2}$$

Sequence: A136391
Score: 10.4757
Type of gen. func.: lgdogf

$$-\frac{x^4 - 3x^3 + 6x^2 - 5x - 1}{(x - 1)(x^2 + 1)(x^2 + x - 1)}$$

Sequence: A136391
Score: 10.5045
Type of gen. func.: ogf

$$-\frac{(x - 1)(x^2 + 1)}{(x^2 + x - 1)^2}$$

Sequence: A136391
Score: 3.85165

Type of gen. func.: ogf

$$\{(n^2 + n) a(n) + (-2 n^2 - 19 n - 24) a(n + 1) + (-4 n^2 - 15 n - 12) a(n + 2) + (3 n^2 + 13 n + 12) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 4\}$$

Sequence: A136391
Score: 5.65626
Type of gen. func.: ogf

$$-(25 f(x) + 19) (f(x) x^4 + 2 f(x) x^3 - f(x) x^2 + x^3 - 2 f(x) x - x^2 + f(x) + x - 1)$$

Sequence: A136392
Score: 11.9483
Type of gen. func.: ogf

$$-\frac{(x + 1) (5 x + 1)}{(x - 1)^3}$$

Sequence: A136392
Score: 20.3970
Type of gen. func.: lgdogf

$$-\frac{5 x^2 + 22 x + 9}{(x - 1) (5 x + 1) (x + 1)}$$

Sequence: A136392
Score: 6.22945
Type of gen. func.: ogf

$$(2214 f(x) - 9149) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 5 x^2 - f(x) + 6 x + 1)$$

Sequence: A136392
Score: 6.44996
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 9, a(2) = 29}

Sequence: A136395
Score: 17.4383
Type of gen. func.: lgdogf

$$-\frac{x^4 + 4x^3 + 3x^2 - 2x + 4}{(x - 1)(x^4 + x^2 - x + 1)}$$

Sequence: A136395
Score: 8.98900
Type of gen. func.: ogf

$$-\frac{x^4 + x^2 - x + 1}{(x - 1)^5}$$

Sequence: A136396
Score: 9.48039
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 + 3x^2 - 2x + 1}{(x - 1)^5}$$

Sequence: A136399
Score: 14.7931
Type of gen. func.: ogf

$$-\frac{2x^9 - 2x^8 + x - 2}{(x - 1)^2}$$

Sequence: A136399
Score: 17.7054
Type of gen. func.: lgdogf

$$\frac{14 x^{9} - 30 x^{8} + 16 x^{7} - x + 3}{(x - 1) (2 x^{9} - 2 x^{8} + x - 2)}$$

Sequence: A136401
Score: 15.9430
Type of gen. func.: ogf

$$\frac{x^{3}}{(2 x - 1) (x - 1) (2 x^{2} + 1)}$$

Sequence: A136401
Score: 7.89098
Type of gen. func.: ogf

$$-4 f(x) x^{4} + 6 f(x) x^{3} - 4 f(x) x^{2} + x^{3} + 3 f(x) x - f(x)$$

Sequence: A136408
Score: 5.17089
Type of gen. func.: ogf

$\{a(n + 4) - 3 a(n + 3) + 4 a(n + 2) - 6 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 2,$
$a(2) = 4, a(3) = 7\}$

Sequence: A136408
Score: 5.20756
Type of gen. func.: ogf

$$(166 f(x) + 125) (4 f(x) x^{4} - 6 f(x) x^{3} + 4 f(x) x^{2} + 3 x^{3} - 3 f(x) x - 2 x^{2} + f(x) + x - 1)$$

Sequence: A136408
Score: 8.57477
Type of gen. func.: lgdogf

6 5 4 3 2

$$-\frac{12 x - 16 x + 12 x - 10 x + 7 x - 4 x + 2}{(x - 1) (2 x - 1) (2 x^2 + 1) (3 x^3 - 2 x^2 + x - 1)}$$

Sequence: A136408
Score: 9.53594
Type of gen. func.: ogf

$$-\frac{3 x^3 - 2 x^2 + x - 1}{(2 x - 1) (x - 1) (2 x^2 + 1)}$$

Sequence: A136412
Score: 13.6568
Type of gen. func.: ogf

$$-\frac{3 x - 2}{(-1 + 4 x) (x - 1)}$$

Sequence: A136412
Score: 14.6833
Type of gen. func.: revogf

$$-\frac{-2 - 5 x + (9 x^2 + 8 x + 4)^{1/2}}{2 (3 + 4 x)}$$

Sequence: A136412
Score: 15.4363
Type of gen. func.: lgdogf

$$-\frac{12 x^2 - 16 x + 7}{(x - 1) (-1 + 4 x) (3 x - 2)}$$

Sequence: A136412
Score: 6.75337
Type of gen. func.: ogf

2

$$-(19 f(x) + 11) (4 f(x) x - 5 f(x) x + f(x) + 3 x - 2)$$

Sequence: A136412
Score: 7.49459
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 4 a(n), a(0) = 2, a(1) = 7\}$$

Sequence: A136427
Score: 8.93553
Type of gen. func.: ogf

$$\frac{x (2 x^4 + 2 x^2 - x + 1)}{(2 x - 1) (x - 1) (2 x^2 + 1)}$$

Sequence: A136427
Score: 9.14472
Type of gen. func.: lgdogf

$$- \frac{2 (6 x^6 - 3 x^4 + 10 x^3 - 8 x^2 + 2 x - 1)}{(x - 1) (2 x - 1) (2 x^2 + 1) (2 x^4 + 2 x^2 - x + 1)}$$

Sequence: A136429
Score: 13.3157
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^3 - 5 x^2 + 4 x + 1)}{(x - 1) (x + 1) (x^2 - 3 x + 1)}$$

Sequence: A136429
Score: 8.93650
Type of gen. func.: ogf

$$\frac{(x - 1)^2}{{}^{2}\;\;{}^{2}\qquad\qquad{}^{2}}$$

$$(x + 1)\ (x - 3 x + 1)$$

Sequence: A136433
Score: 6.19721
Type of gen. func.: ogf

$$-\frac{18 x^{8} + 6 x^{7} - 6 x^{6} - 7 x^{5} - 9 x^{4} - 13 x^{3} - 26 x^{2} - 12 x - 11}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (6 x^{3} - 1)}$$

Sequence: A136434
Score: 22.5328
Type of gen. func.: lgdogf

$$-\frac{2 x^{2} - 13 x - 1}{(x - 1) (x^{2} - 5 x + 1)}$$

Sequence: A136444
Score: 3.73374
Type of gen. func.: ogf

$$\{(-n^{2} - 7 n - 12) a(n + 1) + (n^{2} + 6 n + 8) a(n + 2) + (-2 n^{2} - 10 n - 9) a(n + 3) + (n^{2} + 4 n + 3) a(n + 4),\ a(0) = 0,\ a(1) = 0,\ a(2) = 0,\ a(3) = 1\}$$

Sequence: A136444
Score: 9.97127
Type of gen. func.: ogf

$$-\frac{x^{3} (x - 1)}{(x^{3} - x^{2} + 2 x - 1)^{2}}$$

Sequence: A136445
Score: 5.61101
Type of gen. func.: ogf

$$-\frac{x^{8}+x^{7}-2x^{6}-3x^{5}-2x^{4}+3x^{3}+2x^{2}-3}{(x+1)(x^{2}+x+1)(x^{3}+x^{2}-1)(x-1)^{3}}$$

Sequence: A136488
Score: 14.1673
Type of gen. func.: ogf

$$-\frac{(x-1)(x+1)}{(2x-1)(2x^{2}-1)}$$

Sequence: A136488
Score: 7.14634
Type of gen. func.: ogf

$$-(34 f(x)+71)(4 f(x) x^{3}-2 f(x) x^{2}-2 f(x) x+x^{2}+f(x)-1)$$

Sequence: A136488
Score: 7.21014
Type of gen. func.: ogf

$$\{a(n+3)-2 a(n+2)-2 a(n+1)+4 a(n),\ a(0)=1,\ a(1)=2,\ a(2)=5\}$$

Sequence: A136530
Score: 11.8925
Type of gen. func.: ogf

$$\frac{(x-1)(x+1)}{(2x-1)^{3}}$$

Sequence: A136530
Score: 19.8952
Type of gen. func.: lgdogf

$$-\frac{2\,(x^{2}+x-3)}{}$$

$$(x - 1) (2 x - 1) (x + 1)$$

Sequence: A136530
Score: 5.94626
Type of gen. func.: ogf

$$(10476 f(x) - 22631) (8 f(x) x^3 - 12 f(x) x^2 + 6 f(x) x - x^2 - f(x) + 1)$$

Sequence: A136530
Score: 6.05057
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 12 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 6, a(2) = 23\}$$

Sequence: A136576
Score: 20.2985
Type of gen. func.: revogf

$$\frac{-1 + (1 - 4 x)^{1/2}}{2 (2 x - 1)}$$

Sequence: A136576
Score: 7.10388
Type of gen. func.: ogf

$$-4 f(x)^2 x^2 + 4 f(x) x^2 - 2 f(x) x - x^2 - f(x) + x$$

Sequence: A136580
Score: 3.54575
Type of gen. func.: ogf

$$\{(n + 4) a(n + 1) - a(n + 2) + (-n - 4) a(n + 3) + a(n + 4), a(0) = 1, a(1) = 1,$$
$$a(2) = 3, a(3) = 7\}$$

Sequence: A136591
Score: 10.4507
Type of gen. func.: egf]

$$f(x) x^2 + f(x) x + f(x) - 2 x - 1$$

Sequence: A136591
Score: 14.6309
Type of gen. func.: egf]

$$\frac{2 x + 1}{x^2 + x + 1}$$

Sequence: A136591
Score: 20.2323
Type of gen. func.: lgdegf]

$$- \frac{2 x^2 + 2 x - 1}{(2 x + 1) (x^2 + x + 1)}$$

Sequence: A136598
Score: 15.3990
Type of gen. func.: ogf

$$- \frac{2 x^3 + 5}{x^5 - x^3 - 1}$$

Sequence: A136598
Score: 20.9482
Type of gen. func.: lgdogf

$$- \frac{x^2 (4 x^5 + 25 x^2 - 9)}{(2 x^3 + 5) (x^5 - x^3 - 1)}$$

Sequence: A136599
Score: 3.45203
Type of gen. func.: ogf_with_Euler_transform]

$$- (-6 x^{14} - 3 x^{13} - 3 x^{12} - 3 x^{11} - 3 x^{10} - 3 x^{9} - 3 x^{8} - 3 x^{7} - 3 x^{6} - 3 x^{5} - 3 x^{4} - 3 x^{3} - 3 x^{2} - 3 x - 3) / (x^{15} - 1)$$

Sequence: A136602
Score: 11.1764
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A136602
Score: 111.552
Type of gen. func.: lgdogf

$$- \frac{2}{x - 1}$$

Sequence: A136602
Score: 15.3438
Type of gen. func.: ogf

$$-f(x) x^{2} + 2 f(x) x - f(x) + x$$

Sequence: A136602
Score: 27.4329
Type of gen. func.: ogf

$$\frac{x}{(x - 1)^{2}}$$

Sequence: A136602
Score: 38.8007
Type of gen. func.: revogf

```
                   4 x
         -------------------
                      1/2 2
```

$$(1 + (4 x + 1)\quad)$$

Sequence: A136602
Score: 69.4136
Type of gen. func.: ogf_with_Euler_transform]

$$[2]$$

Sequence: A136615
Score: 8.49725
Type of gen. func.: ogf

$$-\frac{8 x^6 + 16 x^5 - 14 x^4 - 7 x^3 + 2 x + 1}{(2 x - 1) (x + 1) (x^2 - x + 1) (4 x^2 + 2 x + 1)}$$

Sequence: A136619
Score: 15.6946
Type of gen. func.: ogf

$$-f(x) x^3 - x^3 - 4 x^2 + f(x) - x - 1$$

Sequence: A136619
Score: 15.9130
Type of gen. func.: lgdogf

$$-\frac{4 x^4 + 2 x^3 + 6 x^2 + 8 x + 1}{(x - 1) (x^2 + x + 1) (x^3 + 4 x^2 + x + 1)}$$

Sequence: A136619
Score: 16.7959
Type of gen. func.: ogf

$$-\frac{x^3 + 4 x^2 + x + 1}{(x - 1) (x^2 + x + 1)}$$

Sequence: A136619
Score: 9.97259
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 1), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 2\}$$

Sequence: A136658
Score: 20.3482
Type of gen. func.: lgdegf]

$$-2 + (-x^3 + 3 x^2 - 3 x + 1) f(x)$$

Sequence: A136658
Score: 3.74052
Type of gen. func.: ogf

$$\{(n^3 + 3 n^2 + 2 n) a(n) + (-3 n^2 - 9 n - 6) a(n + 1) + (3 n + 8) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 2, a(2) = 10\}$$

Sequence: A136659
Score: 14.6862
Type of gen. func.: lgdegf]

$$- \frac{6 (2 x^2 - 4 x - 3)}{(x - 1) (3 x^2 - 6 x - 2)}$$

Sequence: A136659
Score: 3.26442
Type of gen. func.: ogf

$$\{(-3 n^2 - 24 n - 45) a(n + 1) + (-n^2 - 8 n - 21) a(n + 2) + (n + 3) a(n + 3), a(0) = 1, a(1) = 9, a(2) = 75\}$$

Sequence: A136659
Score: 6.16612

Type of gen. func.: egf]

$$-\frac{3 x^2 - 6 x - 2}{2 (x - 1)^6}$$

Sequence: A136660

Score: 8.11328

Type of gen. func.: lgdegf]

$$-\frac{3 (5 x^4 - 20 x^3 - 5 x^2 + 50 x + 12)}{(x - 1) (3 x^4 - 12 x^3 + 3 x^2 + 18 x + 2)}$$

Sequence: A136661

Score: 2.80256

Type of gen. func.: ogf

$$\{(-n^3 - 18 n^2 - 107 n - 210) a(n + 1) + (3 n^2 + 39 n + 126) a(n + 2) + (-6 - 2 n) a(n + 3), a(0) = 1, a(1) = 30, a(2) = 645\}$$

Sequence: A136687

Score: 4.72765

Type of gen. func.: ogf

$$-(x^{20} + x^{19} + x^{18} + x^{17} + x^{16} + x^{15} + x^{14} + x^{13} + x^{12} - x^9 - x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A136724

Score: 7.89880

Type of gen. func.: ogf

$$-\frac{4 (x^{27} - x^{26} + x^{12} - x^{11} + x^5 - x^4 + x^2 + x - 3)}{(x - 1)^2}$$

Sequence: A136746
Score: 7.04157
Type of gen. func.: lgdogf

$$(9 x^{13} - 9 x^{12} - 18 x^{11} + 12 x^{10} + 15 x^{9} - x^{8} - 11 x^{7} + 3 x^{6} + 5 x^{5} - 5 x^{4} + x^{3} + x^{2} - 4 x - 2) \Big/ ((x - 1) (x + 1) (x^{12} - x^{11} - x^{10} + x^{8} - x^{6} + x^{5} - x^{3} + x + 1))$$

Sequence: A136746
Score: 8.39079
Type of gen. func.: ogf

$$\frac{x^{12} - x^{11} - x^{10} + x^{8} - x^{6} + x^{5} - x^{3} + x + 1}{(x + 1) (x - 1)^{2}}$$

Sequence: A136768
Score: 7.68378
Type of gen. func.: ogf

$$\frac{x^{8} + x^{7} + 8 x^{6} + 8 x^{5} + 8 x^{4} + 8 x^{3} + 8 x^{2} + 8 x + 7}{(x + 1) (x^{2} + 1) (x^{4} + 1) (x - 1)^{2}}$$

Sequence: A136775
Score: 13.6471
Type of gen. func.: ogf

$$\frac{(x - 1)^{2}}{5 x^{2} - 5 x + 1}$$

Sequence: A136775
Score: 21.3383

Type of gen. func.: lgdogf

$$\frac{-3 + 5 x}{(x - 1) (5 x^2 - 5 x + 1)}$$

Sequence: A136775
Score: 7.02231
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 5 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 11\}$$

Sequence: A136775
Score: 7.77739
Type of gen. func.: ogf

$$(2 + 7 f(x)) (5 f(x) x^2 - 5 f(x) x - x^2 + f(x) + 2 x - 1)$$

Sequence: A136776
Score: 12.4756
Type of gen. func.: ogf

$$\frac{(x - 1)^2}{x^3 + 3 x^2 - 4 x + 1}$$

Sequence: A136776
Score: 12.9522
Type of gen. func.: lgdogf

$$- \frac{(x + 1) (x^2 - 4 x + 2)}{(x - 1) (x^3 + 3 x^2 - 4 x + 1)}$$

Sequence: A136776
Score: 6.79473
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 3 a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A136776
Score: 6.85594
Type of gen. func.: ogf

$$(f(x) + 1) (f(x) x^3 + 3 f(x) x^2 - 4 f(x) x - x^2 + f(x) + 2 x - 1)$$

Sequence: A136777
Score: 12.8700
Type of gen. func.: lgdogf

$$\frac{4 (7 x^2 - 5 x + 1)}{(x - 1) (3 x - 1) (13 x^2 - 8 x + 1)}$$

Sequence: A136777
Score: 13.0645
Type of gen. func.: ogf

$$\frac{(3 x - 1) (x - 1)}{13 x^2 - 8 x + 1}$$

Sequence: A136777
Score: 6.78351
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 13 a(n + 1), a(0) = 1, a(1) = 4, a(2) = 22\}$$

Sequence: A136777
Score: 6.98501
Type of gen. func.: ogf

$$-(71 + 345 f(x)) (13 f(x) x^2 - 8 f(x) x - 3 x^2 + f(x) + 4 x - 1)$$

Sequence: A136778
Score: 11.9307

Type of gen. func.: ogf

$$\frac{(3 x - 1) (x - 1)}{3 x^3 + 9 x^2 - 7 x + 1}$$

Sequence: A136778
Score: 6.32847
Type of gen. func.: ogf

$$-(f(x) - 1) (3 f(x) x^3 + 9 f(x) x^2 - 7 f(x) x - 3 x^2 + f(x) + 4 x - 1)$$

Sequence: A136778
Score: 6.44047
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 9 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 3, a(2) = 15\}$$

Sequence: A136778
Score: 9.17652
Type of gen. func.: lgdogf

$$- \frac{3 (3 x^4 - 8 x^3 - 2 x^2 + 4 x - 1)}{(x - 1) (3 x - 1) (3 x^3 + 9 x^2 - 7 x + 1)}$$

Sequence: A136779
Score: 12.8700
Type of gen. func.: lgdogf

$$\frac{3 (x - 1) (3 x - 1)}{(13 x^2 - 8 x + 1) (7 x^2 - 5 x + 1)}$$

Sequence: A136779
Score: 13.0645
Type of gen. func.: ogf

$$7 x^2 - 5 x + 1$$

$$\overline{13 x^{2} - 8 x + 1}$$

Sequence: A136779
Score: 6.78351
Type of gen. func.: ogf

$$\{-a(n + 3) + 8 a(n + 2) - 13 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 18\}$$

Sequence: A136779
Score: 7.42617
Type of gen. func.: ogf

$$(-7 + 46 f(x)) (13 f(x) x^{2} - 8 f(x) x - 7 x^{2} + f(x) + 5 x - 1)$$

Sequence: A136780
Score: 12.0349
Type of gen. func.: ogf

$$\frac{7 x^{2} - 5 x + 1}{7 x^{3} + 8 x^{2} - 7 x + 1}$$

Sequence: A136780
Score: 6.22144
Type of gen. func.: ogf

$$-(747 f(x) + 56) (7 f(x) x^{3} + 8 f(x) x^{2} - 7 f(x) x - 7 x^{2} + f(x) + 5 x - 1)$$

Sequence: A136780
Score: 6.49673
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 8 a(n + 1) + 7 a(n), a(0) = 1, a(1) = 2, a(2) = 13\}$$

Sequence: A136780
Score: 9.27312

Type of gen. func.: lgdogf

$$-\frac{49 x^4 - 70 x^3 + 30 x^2 + 2 x - 2}{(7 x^2 - 5 x + 1) (7 x^3 + 8 x^2 - 7 x + 1)}$$

Sequence: A136781
Score: 5.33093
Type of gen. func.: ogf

$\{-a(n + 4) + 14 a(n + 3) - 54 a(n + 2) + 57 a(n + 1), a(0) = 1, a(1) = 3,$

$a(2) = 21, a(3) = 162\}$

Sequence: A136781
Score: 5.74741
Type of gen. func.: ogf

$(26 + 109 f(x))$

$(57 f(x) x^3 - 54 f(x) x^2 - 27 x^3 + 14 f(x) x + 33 x^2 - f(x) - 11 x + 1)$

Sequence: A136781
Score: 7.39452
Type of gen. func.: lgdogf

$$\frac{3 (141 x^4 - 166 x^3 + 74 x^2 - 14 x + 1)}{(3 x - 1) (9 x^2 - 8 x + 1) (57 x^3 - 54 x^2 + 14 x - 1)}$$

Sequence: A136781
Score: 9.80891
Type of gen. func.: ogf

$$\frac{(3 x - 1) (9 x^2 - 8 x + 1)}{57 x^3 - 54 x^2 + 14 x - 1}$$

Sequence: A136782

Score: 4.65664
Type of gen. func.: ogf

$$-(7753 f(x) - 1998) (27 f(x) x^4 + 24 f(x) x^3 - 43 f(x) x^2 - 27 x^3 + 13 f(x) x + 33 x^2 - f(x) - 11 x + 1)$$

Sequence: A136782
Score: 6.14816
Type of gen. func.: lgdogf

$$- \frac{729 x^6 - 1782 x^5 + 1260 x^4 - 282 x^3 - 35 x^2 + 20 x - 2}{(3 x - 1) (9 x^2 - 8 x + 1) (27 x^4 + 24 x^3 - 43 x^2 + 13 x - 1)}$$

Sequence: A136782
Score: 8.53715
Type of gen. func.: ogf

$$\frac{(3 x - 1) (9 x^2 - 8 x + 1)}{27 x^4 + 24 x^3 - 43 x^2 + 13 x - 1}$$

Sequence: A136783
Score: 11.2682
Type of gen. func.: ogf

$$- \frac{7 x^2 - 6 x + 1}{20 x^3 - 27 x^2 + 10 x - 1}$$

Sequence: A136783
Score: 6.21692
Type of gen. func.: ogf

$$\{-a(n + 3) + 10 a(n + 2) - 27 a(n + 1) + 20 a(n), a(0) = 1, a(1) = 4, a(2) = 20\}$$

Sequence: A136783
Score: 6.326
Type of gen. func.: ogf

$$(7 f(x) + 8) (20 f(x) x^3 - 27 f(x) x^2 + 10 f(x) x + 7 x^2 - f(x) - 6 x + 1)$$

Sequence: A136783
Score: 8.38346
Type of gen. func.: lgdogf

$$-\frac{4 (35 x^4 - 60 x^3 + 38 x^2 - 10 x + 1)}{(7 x^2 - 6 x + 1) (20 x^3 - 27 x^2 + 10 x - 1)}$$

Sequence: A136784
Score: 12.0060
Type of gen. func.: ogf

$$-\frac{7 x^2 - 6 x + 1}{(x - 1) (13 x^2 - 8 x + 1)}$$

Sequence: A136784
Score: 6.52049
Type of gen. func.: ogf

$$(57 f(x) + 215) (13 f(x) x^3 - 21 f(x) x^2 + 9 f(x) x + 7 x^2 - f(x) - 6 x + 1)$$

Sequence: A136784
Score: 6.57718
Type of gen. func.: ogf

$$\{-a(n + 3) + 9 a(n + 2) - 21 a(n + 1) + 13 a(n), a(0) = 1, a(1) = 3, a(2) = 13\}$$

Sequence: A136784
Score: 8.22475
Type of gen. func.: lgdogf

$$-\frac{91 x^4 - 156 x^3 + 102 x^2 - 28 x + 3}{(x - 1) (13 x^2 - 8 x + 1) (7 x^2 - 6 x + 1)}$$

Sequence: A136785
Score: 10.2339
Type of gen. func.: ogf

$$\frac{(3 x - 1) (x - 1)^2}{20 x^3 - 27 x^2 + 10 x - 1}$$

Sequence: A136785
Score: 5.33942
Type of gen. func.: ogf

$\{a(n + 4) - 10 a(n + 3) + 27 a(n + 2) - 20 a(n + 1), a(0) = 1, a(1) = 5,$

$a(2) = 30, a(3) = 182\}$

Sequence: A136785
Score: 5.99058
Type of gen. func.: ogf

$(2 + 23 f(x))$

$(20 f(x) x^3 - 27 f(x) x^2 - 3 x^3 + 10 f(x) x + 7 x^2 - f(x) - 5 x + 1)$

Sequence: A136785
Score: 9.84395
Type of gen. func.: lgdogf

$$\frac{59 x^3 - 81 x^2 + 35 x - 5}{(x - 1) (3 x - 1) (20 x^3 - 27 x^2 + 10 x - 1)}$$

Sequence: A136786
Score: 5.08918
Type of gen. func.: ogf

$$-(2189 f(x) + 315) (3 f(x) x^4 + 13 f(x) x^3 - 22 f(x) x^2 - 3 x^3 + 9 f(x) x$$

$$+ 7 x^2 - f(x) - 5 x + 1)$$

Sequence: A136786
Score: 7.06485
Type of gen. func.: lgdogf

$$-\frac{9 x^5 - 33 x^4 - 13 x^3 + 51 x^2 - 26 x + 4}{(x - 1) (3 x - 1) (3 x^4 + 13 x^3 - 22 x^2 + 9 x - 1)}$$

Sequence: A136786
Score: 9.53415
Type of gen. func.: ogf

$$\frac{(3 x - 1) (x - 1)^2}{3 x^4 + 13 x^3 - 22 x^2 + 9 x - 1}$$

Sequence: A136853
Score: 11.2013
Type of gen. func.: ogf

$$\{-a(n + 3) + 10 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 3\}$$

Sequence: A136853
Score: 14.7018
Type of gen. func.: ogf

$$f(x) (10 f(x) x^2 + 3 x^2 - f(x) + x)$$

Sequence: A136853
Score: 20.4546
Type of gen. func.: ogf

$$-\frac{x (3 x + 1)}{}$$

$$10 x^2 - 1$$

Sequence: A136853
Score: 21.6421
Type of gen. func.: revegf]

$$1/10\ 10^{1/2} (-\operatorname{arcsinh}(3) + \operatorname{arcsinh}(3 + 10 x))$$

Sequence: A136853
Score: 26.5889
Type of gen. func.: lgdogf

$$-\frac{30 x^2 + 20 x + 3}{(3 x + 1) (10 x^2 - 1)}$$

Sequence: A136859
Score: 11.2013
Type of gen. func.: ogf

$$\{a(n + 3) - 10 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 4\}$$

Sequence: A136859
Score: 13.8369
Type of gen. func.: ogf

$$-f(x) (10 f(x) x^2 + 4 x^2 - f(x) + x)$$

Sequence: A136859
Score: 20.4546
Type of gen. func.: ogf

$$-\frac{x (4 x + 1)}{10 x^2 - 1}$$

Sequence: A136859
Score: 24.4898
Type of gen. func.: revogf

$$\frac{-1 + (40 x^2 + 16 x + 1)^{1/2}}{4 (2 + 5 x)}$$

Sequence: A136859
Score: 25.8503
Type of gen. func.: lgdogf

$$- \frac{4 (10 x^2 + 5 x + 1)}{(4 x + 1) (10 x^2 - 1)}$$

Sequence: A136863
Score: 11.7738
Type of gen. func.: ogf

$$- \frac{x (71 x^4 + 900 x^3 + 90 x^2 + 10 x + 1)}{10 x^2 - 1}$$

Sequence: A136863
Score: 9.92087
Type of gen. func.: lgdogf

$$\frac{2 (710 x^5 + 4500 x^4 - 142 x^3 - 1400 x^2 - 100 x - 5)}{(10 x^2 - 1) (71 x^4 + 900 x^3 + 90 x^2 + 10 x + 1)}$$

Sequence: A136875
Score: 6.97424
Type of gen. func.: ogf

$$- \frac{x (77776 x^7 + 900000 x^6 + 90000 x^5 + 9000 x^4 + 900 x^3 + 90 x^2 + 10 x + 1)}{10 x^2 - 1}$$

Sequence: A136921
Score: 11.9678
Type of gen. func.: ogf

$$-\frac{26 x}{10 x - 1}$$

Sequence: A136921
Score: 12.9600
Type of gen. func.: revegf]

$$-1/10 \ln(13) + 1/10 \ln(13 + 5 x)$$

Sequence: A136921
Score: 30.2399
Type of gen. func.: lgdogf

$$-\frac{10}{10 x - 1}$$

Sequence: A136921
Score: 5.08223
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1), a(0) = 0, a(1) = 26\}$$

Sequence: A136921
Score: 6.08201
Type of gen. func.: ogf

$$-f(x) (10 f(x) x - f(x) + 26 x)$$

Sequence: A136926
Score: 11.9678
Type of gen. func.: ogf

$$-\frac{27 x}{10 x - 1}$$

Sequence: A136926
Score: 12.9600
Type of gen. func.: revegf]

$$-3/10 \ln(3) + 1/10 \ln(27 + 10 x)$$

Sequence: A136926
Score: 30.2399
Type of gen. func.: lgdogf

$$-\frac{10}{10 x - 1}$$

Sequence: A136926
Score: 5.08223
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1), a(0) = 0, a(1) = 27\}$$

Sequence: A136926
Score: 6.08201
Type of gen. func.: ogf

$$-f(x) (10 f(x) x - f(x) + 27 x)$$

Sequence: A136936
Score: 5.62633
Type of gen. func.: ogf

$$- 2 x (276503 x^8 + 27000000 x^7 + 2700000 x^6 + 270000 x^5 + 27000 x^4 + 2700 x^3 + 270 x^2 + 30 x + 3) / (10 x^2 - 1)$$

Sequence: A136950
Score: 12.2315
Type of gen. func.: ogf

$$f(x) (10 f(x) x - f(x) + 64 x)^2$$

Sequence: A136957
Score: 11.9678
Type of gen. func.: ogf

$$-\frac{64 x}{10 x - 1}$$

Sequence: A136957
Score: 13.9569
Type of gen. func.: revegf]

$$-1/2 \ln(2) + 1/10 \ln(32 + 5 x)$$

Sequence: A136957
Score: 30.2399
Type of gen. func.: lgdogf

$$-\frac{10}{10 x - 1}$$

Sequence: A136957
Score: 5.08223
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1), a(0) = 0, a(1) = 64\}$$

Sequence: A136957
Score: 6.08201
Type of gen. func.: ogf

$$-f(x) (10 f(x) x - f(x) + 64 x)$$

Sequence: A136958
Score: 10.2264
Type of gen. func.: ogf

$\{a(n + 3) - 10 a(n + 1), a(0) = 0, a(1) = 88, a(2) = 878\}$

Sequence: A136958
Score: 13.2791
Type of gen. func.: ogf

$$f(x) (10 f(x) x^2 + 878 x^2 - f(x) + 88 x)$$

Sequence: A136958
Score: 18.1571
Type of gen. func.: ogf

$$- \frac{2 x (439 x + 44)}{10 x^2 - 1}$$

Sequence: A136958
Score: 19.5489
Type of gen. func.: revogf

$$\frac{-44 + (10 x^2 + 878 x + 1936)^{1/2}}{2 (439 + 5 x)}$$

Sequence: A136958
Score: 20.4582
Type of gen. func.: lgdogf

$$- \frac{4390 x^2 + 880 x + 439}{(439 x + 44) (10 x^2 - 1)}$$

Sequence: A136962
Score: 11.9678
Type of gen. func.: ogf

$$- \frac{76 x}{10 x - 1}$$

Sequence: A136962
Score: 12.9600
Type of gen. func.: revegf]

$$-1/10 \ln(38) + 1/10 \ln(38 + 5 x)$$

Sequence: A136962
Score: 30.2399
Type of gen. func.: lgdogf

$$- \frac{10}{10 x - 1}$$

Sequence: A136962
Score: 5.08223
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1), a(0) = 0, a(1) = 76\}$$

Sequence: A136962
Score: 6.08201
Type of gen. func.: ogf

$$-f(x) (10 f(x) x - f(x) + 76 x)$$

Sequence: A136965
Score: 4.38956
Type of gen. func.: ogf

$$- 2 x (90410433 x^7 + 364345400670 x^6 + 14586330 x^5 + 36435998700 x^4 + 3645058503 x^3 + 4048444300 x^2 + 404844430 x + 40484443) / (10 x^3 - 1)$$

Sequence: A137103
Score: 4.33555
Type of gen. func.: ogf

```
                     6        5        4       3       2
```

$$\frac{2 (970 x - 767 x - 133 x - 47 x - 23 x - 7 x + 1)}{(10 x - 1) (x - 1)}$$

Sequence: A137120
Score: 10.6775
Type of gen. func.: ogf

$$\frac{6}{(10 x - 1) (x - 1)}$$

Sequence: A137120
Score: 13.4400
Type of gen. func.: lgdogf

$$- \frac{-11 + 20 x}{(10 x - 1) (x - 1)}$$

Sequence: A137120
Score: 4.29553
Type of gen. func.: ogf

$$(101 f(x) + 120) (10 f(x) x^2 - 11 f(x) x + f(x) - 6)$$

Sequence: A137120
Score: 4.39660
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 6, a(1) = 66\}$$

Sequence: A137120
Score: 7.55997
Type of gen. func.: revogf

$$- \frac{-6 - 11 x + (27 x^2 + 44 x + 12)^{1/2} 3^{1/2}}{20 x}$$

Sequence: A137146
Score: 3.73866
Type of gen. func.: ogf

$$(3453 f(x) + 30950) (10 f(x) x^2 - 11 f(x) x + f(x) + 70 x - 76)$$

Sequence: A137146
Score: 4.12543
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 76, a(1) = 766\}$$

Sequence: A137146
Score: 7.10930
Type of gen. func.: revogf

$$-\frac{-76 - 11 x + (81 x^2 + 1392 x + 5776)^{1/2}}{20 (7 + x)}$$

Sequence: A137146
Score: 7.32473
Type of gen. func.: ogf

$$-\frac{2 (35 x - 38)}{(10 x - 1) (x - 1)}$$

Sequence: A137146
Score: 7.57295
Type of gen. func.: lgdogf

$$-\frac{350 x^2 - 760 x + 383}{(x - 1) (35 x - 38) (10 x - 1)}$$

Sequence: A137166
Score: 10.0064
Type of gen. func.: ogf

$$x^2 - x + 1$$

$$\overline{x^4 - 5 x^3 + 6 x^2 - 4 x + 1}$$

Sequence: A137166
Score: 5.23063
Type of gen. func.: ogf

$$(107 f(x) + 10)$$

$$(f(x) x^4 - 5 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - x^2 + f(x) + x - 1)$$

Sequence: A137166
Score: 9.66913
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - 8 x^4 + 14 x^3 - 17 x^2 + 10 x - 3}{(x^2 - x + 1) (x^4 - 5 x^3 + 6 x^2 - 4 x + 1)}$$

Sequence: A137171
Score: 6.24516
Type of gen. func.: ogf

$$\frac{x^3 (x^4 - x^3 - 1) (x^8 + x^6 - 2 x^4 + 1)}{(2 x^4 - 1) (2 x^8 - 2 x^4 + 1)}$$

Sequence: A137172
Score: 6.16627
Type of gen. func.: ogf

$$- x (16 x^{13} + 8 x^{12} + 16 x^{10} + 8 x^9 + 4 x^8 + 2 x^7 - 4 x^5 - 6 x^4 - 4 x^3 - 3 x^2$$

$$- 2 x - 1) \Bigg/ ((4 x^5 - 1) (2 x^5 - 1))$$

Sequence: A137173
Score: 12.0821
Type of gen. func.: ogf

$$-\frac{x\,(3\,x^2-x-1)}{(2\,x-1)\,(2\,x+1)\,(2\,x^2-1)}$$

Sequence: A137173
Score: 7.29712
Type of gen. func.: ogf

$$(304\,f(x)+253)\,(8\,f(x)\,x^4-6\,f(x)\,x^2+3\,x^3-x^2+f(x)-x)$$

Sequence: A137173
Score: 9.95110
Type of gen. func.: lgdogf

$$-\frac{48\,x^5-24\,x^4-32\,x^3+6\,x^2+6\,x+1}{(2\,x+1)\,(2\,x-1)\,(2\,x^2-1)\,(3\,x^2-x-1)}$$

Sequence: A137181
Score: 6.24256
Type of gen. func.: ogf

$$(2\,f(x)\,x-f(x)+1)^2$$

Sequence: A137195
Score: 5.88269
Type of gen. func.: ogf

$$\frac{(x^3+x^2-3\,x-1)^2}{(x^2+2\,x-1)^2\,(x^2-2\,x-1)^2}$$

Sequence: A137195
Score: 7.77871
Type of gen. func.: lgdogf

$$-\frac{2\,(x^6+2\,x^5-3\,x^4-4\,x^3+15\,x^2+10\,x+3)}{(x^2+2\,x-1)\,(x^2-2\,x-1)\,(x^3+x^2-3\,x-1)}$$

Sequence: A137199
Score: 12.7720
Type of gen. func.: ogf

$$\frac{3\,x^2-1}{(x+1)\,(x^2+2\,x-1)}$$

Sequence: A137199
Score: 15.8727
Type of gen. func.: lgdogf

$$-\frac{3\,x^4-6\,x^2-1}{(x+1)\,(3\,x^2-1)\,(x^2+2\,x-1)}$$

Sequence: A137199
Score: 6.50005
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+2)+3\,a(n+1)+a(n),\ a(0)=1,\ a(1)=1,\ a(2)=1\}$$

Sequence: A137199
Score: 6.80379
Type of gen. func.: ogf

$$(f(x)-1)\,(f(x)\,x^3+3\,f(x)\,x^2+f(x)\,x-3\,x^2-f(x)+1)$$

Sequence: A137200
Score: 13.6555
Type of gen. func.: lgdogf

$$-\frac{2\,x^5-3\,x^4+8\,x^3-x^2+2\,x+1}{}$$

$$(x^2 + x + 1)(x^2 - x + 1)(x^4 + x - 1)$$

Sequence: A137200
Score: 14.6429
Type of gen. func.: ogf

$$-\frac{(x^2 + x + 1)(x^2 - x + 1)}{x^4 + x - 1}$$

Sequence: A137200
Score: 8.60458
Type of gen. func.: ogf

$$(8 f(x) + 1)(f(x) x^4 + x^4 + f(x) x + x^2 - f(x) + 1)$$

Sequence: A137206
Score: 10.1872
Type of gen. func.: revegf]

$$1/14\ 7^{1/2}\ 14^{1/2} \left(\operatorname{arcsinh}\left(\frac{7^{1/2}}{7}\right) + \operatorname{arcsinh}\left(\frac{7^{1/2} (2 x - 1)}{7}\right)\right)$$

Sequence: A137206
Score: 15.3494
Type of gen. func.: ogf

$$\frac{x (x - 2)}{2 x^2 - 1}$$

Sequence: A137206
Score: 25.1285
Type of gen. func.: lgdogf

$$-\frac{2 x^2 - 8 x + 1}{2}$$

$$(x - 2) (2 x - 1)$$

Sequence: A137206
Score: 8.32198
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 1), a(0) = 0, a(1) = 2, a(2) = -1\}$$

Sequence: A137206
Score: 9.20966
Type of gen. func.: ogf

$$-(f(x) - 2) (2 f(x) x^2 - x^2 - f(x) + 2 x)$$

Sequence: A137208
Score: 13.0649
Type of gen. func.: ogf

$$-\frac{5 x^2 - x - 2}{(2 x - 1) (2 x + 1) (x - 1)}$$

Sequence: A137208
Score: 6.87032
Type of gen. func.: ogf

$$-(8 f(x) + 29) (4 f(x) x^3 - 4 f(x) x^2 - f(x) x + 5 x^2 + f(x) - x - 2)$$

Sequence: A137208
Score: 7.11569
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 4 a(n + 1) - 4 a(n), a(0) = 2, a(1) = 3, a(2) = 6\}$$

Sequence: A137212
Score: 14.5749
Type of gen. func.: ogf

$$\frac{x^2}{(3x-1)(x^2+2x-1)}$$

Sequence: A137212
Score: 18.0356
Type of gen. func.: lgdogf

$$-\frac{9x^2+10x-5}{(3x-1)(x^2+2x-1)}$$

Sequence: A137212
Score: 5.96247
Type of gen. func.: ogf

$$\{-a(n+3)+5a(n+2)-5a(n+1)-3a(n),\ a(0)=0,\ a(1)=0,\ a(2)=1\}$$

Sequence: A137212
Score: 8.09718
Type of gen. func.: ogf

$$3f(x)x^3+5f(x)x^2-5f(x)x-x^2+f(x)$$

Sequence: A137213
Score: 11.2033
Type of gen. func.: ogf

$$-\frac{(x-1)x}{(3x-1)(x^2+2x-1)}$$

Sequence: A137213
Score: 13.1003
Type of gen. func.: lgdogf

$$-\frac{2(3x^3-2x^2-5x+2)}{^{2}}$$

$$(x - 1) (3 x - 1) (x + 2 x - 1)$$

Sequence: A137213
Score: 5.75305
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 5 a(n + 1) + 3 a(n), a(0) = 0, a(1) = 1, a(2) = 4\}$$

Sequence: A137213
Score: 5.9681
Type of gen. func.: ogf

$$(4 f(x) + 1) (3 f(x) x^3 + 5 f(x) x^2 - 5 f(x) x + x^2 + f(x) - x)$$

Sequence: A137215
Score: 3.84809
Type of gen. func.: ogf

$$- \frac{100 x^5 - 850 x^4 + 1002 x^3 - 478 x^2 + 67 x - 3}{(10 x - 1)^3 (x - 1)^3}$$

Sequence: A137221
Score: 13.7360
Type of gen. func.: ogf

$$\frac{x^3}{(x^2 - x + 1) (2 x - 1)^2}$$

Sequence: A137221
Score: 20.9259
Type of gen. func.: lgdogf

$$- \frac{8 x^2 - 8 x + 5}{(2 x - 1) (x^2 - x + 1)}$$

```
------------------------------------------------------------------------------

Sequence:  A137221
Score: 3.48737
Type of gen. func.: ogf


{(2 n + 4) a(n + 1) + (-3 n - 5) a(n + 2) + (3 n + 5) a(n + 3)

     + (-n - 1) a(n + 4), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1}



------------------------------------------------------------------------------

Sequence:  A137221
Score: 6.7986
Type of gen. func.: ogf


                    4           3           2    3
           -4 f(x) x  + 8 f(x) x  - 9 f(x) x  + x  + 5 f(x) x - f(x)



------------------------------------------------------------------------------

Sequence:  A137223
Score: 5.21209
Type of gen. func.: ogf


(26488 f(x) + 10581)

              3            2                2
    (64 f(x) x  + 64 f(x) x  - f(x) x + 60 x  - f(x) + 21 x + 3)



------------------------------------------------------------------------------

Sequence:  A137223
Score: 5.47937
Type of gen. func.: ogf


{-a(n + 3) - a(n + 2) + 64 a(n + 1) + 64 a(n), a(0) = 3, a(1) = 18, a(2) = 234}



------------------------------------------------------------------------------

Sequence:  A137223
Score: 8.73755
Type of gen. func.: lgdogf


                             4        3        2
                     2 (640 x  + 448 x  + 330 x  + 84 x + 3)
                - ---------------------------------------------
                                                   2
                  (8 x + 1) (8 x - 1) (x + 1) (20 x  + 7 x + 1)



------------------------------------------------------------------------------

Sequence:  A137223
Score: 9.86286
Type of gen. func.: ogf
```

$$-\frac{3\,(20\,x^{2}+7\,x+1)}{(8\,x-1)\,(8\,x+1)\,(x+1)}$$

Sequence: A137224
Score: 6.78297
Type of gen. func.: ogf

$$-\frac{x\,(x^{5}+x^{4}+2\,x^{3}-2\,x^{2}+x+1)}{(x^{2}+1)\,(x+1)^{2}\,(x-1)^{3}}$$

Sequence: A137229
Score: 14.1564
Type of gen. func.: ogf

$$\frac{1}{(x-1)\,(x^{3}-2\,x^{2}+3\,x-1)}$$

Sequence: A137229
Score: 14.7868
Type of gen. func.: lgdogf

$$-\frac{4\,x^{3}-9\,x^{2}+10\,x-4}{(x-1)\,(x^{3}-2\,x^{2}+3\,x-1)}$$

Sequence: A137229
Score: 6.66598
Type of gen. func.: ogf

$$(25\,f(x)+26)\,(f(x)\,x^{4}-3\,f(x)\,x^{3}+5\,f(x)\,x^{2}-4\,f(x)\,x+f(x)-1)$$

Sequence: A137232
Score: 10.0476
Type of gen. func.: ogf

$$-3 f(x) x^3 - 7 f(x) x^2 + f(x) x - x^2 + f(x)$$

Sequence: A137232
Score: 18.0857
Type of gen. func.: ogf

$$-\frac{x^2}{(3 x + 1) (x^2 + 2 x - 1)}$$

Sequence: A137232
Score: 23.7518
Type of gen. func.: lgdogf

$$-\frac{9 x^2 + 14 x - 1}{(3 x + 1) (x^2 + 2 x - 1)}$$

Sequence: A137232
Score: 7.39869
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) + 7 a(n + 1) + 3 a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A137233
Score: 12.0642
Type of gen. func.: ogf

$$-10 f(x) x + f(x) + 5 x - 5$$

Sequence: A137233
Score: 14.6040
Type of gen. func.: ogf

$$\frac{5 (x - 1)}{10 x - 1}$$

Sequence: A137233
Score: 15.9820
Type of gen. func.: revogf

$$\frac{1}{2} + x - \frac{(100 x^2 + 80 x + 25)^{1/2}}{10}$$

Sequence: A137233
Score: 33.9618
Type of gen. func.: lgdogf

$$\frac{9}{(10 x - 1) (x - 1)}$$

Sequence: A137233
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1), a(0) = 5, a(1) = 45\}$$

Sequence: A137234
Score: 13.4692
Type of gen. func.: ogf

$$- \frac{1}{(x^3 - 2 x^2 + 3 x - 1) (x - 1)^2}$$

Sequence: A137234
Score: 14.9021
Type of gen. func.: lgdogf

$$- \frac{5 x^3 - 11 x^2 + 13 x - 5}{(x - 1) (x^3 - 2 x^2 + 3 x - 1)}$$

Sequence: A137235
Score: 17.2163

Type of gen. func.: ogf

$$-\frac{5 x - 6}{(x + 1) (x - 1)^2}$$

Sequence: A137235
Score: 24.1959
Type of gen. func.: lgdogf

$$-\frac{10 x^2 - 13 x - 1}{(x - 1) (5 x - 6) (x + 1)}$$

Sequence: A137235
Score: 8.14699
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 6, a(1) = 1, a(2) = 7\}$$

Sequence: A137235
Score: 8.44872
Type of gen. func.: ogf

$$(499 f(x) + 5560) (f(x) x^3 - f(x) x^2 - f(x) x + f(x) + 5 x - 6)$$

Sequence: A137241
Score: 10.9249
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^6 + 6 x^5 - 2 x^4 + 3 x^3 - 3 x^2 - x - 1)}{(x - 1) (x^2 + x + 1) (4 x^4 + 4 x^3 - x^2 - 2 x - 3)}$$

Sequence: A137241
Score: 9.19547
Type of gen. func.: ogf

$$x (4 x^4 + 4 x^3 - x^2 - 2 x - 3)$$

$$- \frac{}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A137246
Score: 12.2038
Type of gen. func.: ogf

$$\frac{(2 x - 1) (x - 1)}{3 x^2 - 20 x + 1}$$

Sequence: A137246
Score: 14.0748
Type of gen. func.: lgdogf

$$- \frac{31 x^2 + 2 x - 17}{(x - 1) (2 x - 1) (3 x^2 - 20 x + 1)}$$

Sequence: A137246
Score: 6.21702
Type of gen. func.: ogf

$$\{-a(n + 3) + 20 a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 17, a(2) = 339\}$$

Sequence: A137246
Score: 6.79386
Type of gen. func.: ogf

$$(-49 + 338 f(x)) (3 f(x) x^2 - 20 f(x) x - 2 x^2 + f(x) + 3 x - 1)$$

Sequence: A137247
Score: 14.2873
Type of gen. func.: lgdogf

$$- \frac{2 (6 x^3 - 9 x^2 + 6 x - 2)}{(x - 1) (3 x^3 - 3 x^2 + 3 x - 1)}$$

Sequence: A137247
Score: 14.3581
Type of gen. func.: ogf

$$\frac{x^3}{(x - 1) (3 x^3 - 3 x^2 + 3 x - 1)}$$

Sequence: A137247
Score: 7.10651
Type of gen. func.: ogf

$$-3 f(x) x^4 + 6 f(x) x^3 - 6 f(x) x^2 + x^3 + 4 f(x) x - f(x)$$

Sequence: A137249
Score: 4.66241
Type of gen. func.: ogf

$$(9129 f(x) - 8089)$$

$$(f(x) x^4 - f(x) x^3 + f(x) x^2 + x^3 + 2 f(x) x + x^2 - f(x) - 2 x + 2)$$

Sequence: A137249
Score: 8.65877
Type of gen. func.: ogf

$$- \frac{x^3 + x^2 - 2 x + 2}{(x + 1) (x^3 - 2 x^2 + 3 x - 1)}$$

Sequence: A137255
Score: 10.0197
Type of gen. func.: ogf

$$- \frac{2 x^3 + 4 x^2 - 1}{(3 x^2 - 1) (x^2 + 2 x - 1)}$$

Sequence: A137255
Score: 5.85151
Type of gen. func.: ogf

$$f(x) (3 f(x) x^4 + 6 f(x) x^3 - 4 f(x) x^2 + 2 x^3 - 2 f(x) x + 4 x^2 + f(x) - 1)$$

Sequence: A137255
Score: 9.44347
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^6 + 12 x^5 + 16 x^4 - 2 x^3 - 8 x^2 + 1)}{(x^2 + 2 x - 1) (2 x^3 + 4 x^2 - 1) (3 x^2 - 1)}$$

Sequence: A137256
Score: 11.1515
Type of gen. func.: ogf

$$- \frac{x^2 - x + 1}{3 x^3 - 3 x^2 + 3 x - 1}$$

Sequence: A137256
Score: 11.9042
Type of gen. func.: lgdogf

$$- \frac{3 x^4 - 6 x^3 + 9 x^2 - 4 x + 2}{(3 x^3 - 3 x^2 + 3 x - 1) (x^2 - x + 1)}$$

Sequence: A137256
Score: 6.07357
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A137256
Score: 7.64314
Type of gen. func.: ogf

$$-3 f(x) x^{3} + 3 f(x) x^{2} - 3 f(x) x - x^{2} + f(x) + x - 1$$

Sequence: A137261
Score: 9.16351
Type of gen. func.: ogf

$$\frac{5764801 x^{8} - 5764801 x^{7} + 28812 x^{4} - 28812 x^{3} + 840 x - 1200}{x - 1}$$

Sequence: A137265
Score: 12.4936
Type of gen. func.: ogf

$$f(x)^{3} x - f(x) x^{2} - f(x) + 1$$

Sequence: A137280
Score: 13.3945
Type of gen. func.: ogf

$$-\frac{7 x + 1}{7 x^{2} + 3 x - 1}$$

Sequence: A137280
Score: 14.3997
Type of gen. func.: revogf

$$\frac{-1 - 3 x + (37 x^{2} + 34 x + 1)^{1/2}}{14 (x + 1)}$$

Sequence: A137280
Score: 15.1382
Type of gen. func.: lgdogf

$$-\frac{49 x^2 + 14 x + 10}{(7 x + 1) (7 x^2 + 3 x - 1)}$$

Sequence: A137280
Score: 6.9282
Type of gen. func.: ogf

$$(11 f(x) + 14) (7 f(x) x^2 + 3 f(x) x - f(x) + 7 x + 1)$$

Sequence: A137280
Score: 7.26208
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) - 7 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A137282
Score: 7.87273
Type of gen. func.: ogf

$$-\frac{5 x^{10} + 5 x^9 + 7 x^7 + 5 x^6 + 7 x^5 + 3 x^4 + 7 x^3 + 4 x^2 + 2 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A137318
Score: 4.54878
Type of gen. func.: ogf

$$\frac{100 x^4 + 200 x^3 + 83 x^2 + 20 x + 1}{(10 x - 1) (x - 1) (100 x^2 + 1) (x^2 + 1)}$$

Sequence: A137329
Score: 13.9608
Type of gen. func.: lgdogf

$$8 x^5 + 36 x^4 + 32 x^3 - 2 x - 3$$

$$-\frac{}{(x + 2) (x + 1) (2 x^2 + 2 x + 1) (2 x^2 - 2 x + 1)}$$

Sequence: A137329
Score: 16.1724
Type of gen. func.: ogf

$$\frac{x (x + 2) (x + 1)}{(2 x^2 - 2 x + 1) (2 x^2 + 2 x + 1)}$$

Sequence: A137329
Score: 9.85216
Type of gen. func.: ogf

$$-(424 f(x) + 421) (4 f(x) x^4 - x^3 - 3 x^2 + f(x) - 2 x)$$

Sequence: A137340
Score: 8.54783
Type of gen. func.: ogf

$$-(76 f(x) + 653) (3 f(x) x^2 + 2 f(x) x - f(x) + 7 x + 1)$$

Sequence: A137344
Score: 3.31566
Type of gen. func.: ogf

$$-\frac{3 (3 x + 1)}{(2 x - 1) (2 x + 1)}$$

Sequence: A137344
Score: 9.08539
Type of gen. func.: ogf

$$-(52 f(x) + 87) (4 f(x) x^2 - f(x) + 9 x + 3)$$

Sequence: A137356
Score: 11.9220
Type of gen. func.: ogf

$$-\frac{(x-1)^2}{x^5+x^3-3x^2+3x-1}$$

Sequence: A137356
Score: 13.6926
Type of gen. func.: lgdogf

$$-\frac{3x^5-5x^4+x^3-3x^2+3x-1}{(x-1)(x^5+x^3-3x^2+3x-1)}$$

Sequence: A137356
Score: 5.75259
Type of gen. func.: ogf

$$(2f(x)^2-6f(x)+3)$$

$$(f(x)x^5+f(x)x^3-3f(x)x^2+3f(x)x+x^2-f(x)-2x+1)$$

Sequence: A137357
Score: 12.2307
Type of gen. func.: ogf

$$\frac{(x-1)x}{x^5+x^3-3x^2+3x-1}$$

Sequence: A137357
Score: 12.8525
Type of gen. func.: lgdogf

$$-\frac{4x^5-5x^4+2x^3-6x^2+6x-2}{(x-1)(x^5+x^3-3x^2+3x-1)}$$

Sequence: A137358
Score: 15.4146
Type of gen. func.: ogf

$$-\frac{x^2}{x^5+x^3-3x^2+3x-1}$$

Sequence: A137358
Score: 18.8290
Type of gen. func.: lgdogf

$$-\frac{5x^4+3x^2-6x+3}{x^5+x^3-3x^2+3x-1}$$

Sequence: A137358
Score: 6.53579
Type of gen. func.: ogf

$$-(3f(x)-1)^2\,(f(x)x^5+f(x)x^3-3f(x)x^2+3f(x)x+x^2-f(x))$$

Sequence: A137359
Score: 12.7934
Type of gen. func.: lgdogf

$$-\frac{2(4x^5-5x^4+2x^3-6x^2+6x-2)}{(x-1)(x^5+x^3-3x^2+3x-1)}$$

Sequence: A137359
Score: 6.63074
Type of gen. func.: ogf

$$\frac{x^5(x-1)^2}{(x^5+x^3-3x^2+3x-1)^2}$$

Sequence: A137360
Score: 12.5935
Type of gen. func.: lgdogf

$$-\frac{9x^5 - 10x^4 + 5x^3 - 15x^2 + 15x - 5}{(x-1)(x^5 + x^3 - 3x^2 + 3x - 1)}$$

Sequence: A137360
Score: 7.06775
Type of gen. func.: ogf

$$-\frac{x^6 (x-1)}{(x^5 + x^3 - 3x^2 + 3x - 1)^2}$$

Sequence: A137361
Score: 18.3178
Type of gen. func.: lgdogf

$$-\frac{2(5x^4 + 3x^2 - 6x + 3)}{x^5 + x^3 - 3x^2 + 3x - 1}$$

Sequence: A137361
Score: 8.74527
Type of gen. func.: ogf

$$\frac{x^7}{(x^5 + x^3 - 3x^2 + 3x - 1)^2}$$

Sequence: A137392
Score: 4.22842
Type of gen. func.: ogf

(25 f(x) - 314)

$$(f(x) x^4 + 2 f(x) x^3 - f(x) x^2 - 2 f(x) x + 11 x^2 + f(x) + 10 x - 9)$$

Sequence: A137392
Score: 6.61495
Type of gen. func.: lgdogf

$$\frac{2 (6 x^7 + 21 x^6 + 9 x^5 - 30 x^4 - 26 x^3 + 3 x^2 + 5 x + 1)}{(x + 1) (x^2 + x - 1) (6 x^5 + 12 x^4 + 2 x^3 - 4 x^2 + x - 1)}$$

Sequence: A137392
Score: 7.98039
Type of gen. func.: ogf

$$- \frac{11 x^2 + 10 x - 9}{(x^2 + x - 1)^2}$$

Sequence: A137398
Score: 7.97626
Type of gen. func.: ogf

$$4 f(x)^2 x^3 + 4 f(x)^2 x^2 - f(x)^2 x + 4 f(x) x^2 + 2 f(x) x - f(x) + x$$

Sequence: A137399
Score: 10.6290
Type of gen. func.: lgdogf

$$- \frac{4 x^6 + 16 x^5 + 24 x^4 + 16 x^3 + 3 x^2 + 4 x + 2}{(x + 1) (x^2 + x + 1) (2 x^2 - 1) (2 x^2 + 1)}$$

Sequence: A137399
Score: 14.6256
Type of gen. func.: ogf

$$(x + 1) (x^2 + x + 1)$$

$$-\frac{}{(2 x^2 - 1)(2 x^2 + 1)}$$

Sequence: A137399
Score: 9.16109
Type of gen. func.: ogf

$$-(720 f(x) - 487)(4 f(x) x^4 + x^3 + 2 x^2 - f(x) + 2 x + 1)$$

Sequence: A137402
Score: 8.96708
Type of gen. func.: lgdogf

$$-\frac{x^8 - 2 x^7 + 5 x^6 - 2 x^5 - 5 x^4 + 6 x^3 - 2 x + 1}{(x^4 - x^3 + 2 x^2 - 2 x + 1)(x^5 + x^3 - 3 x^2 + 3 x - 1)}$$

Sequence: A137402
Score: 9.24375
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 + 2 x^2 - 2 x + 1}{x^5 + x^3 - 3 x^2 + 3 x - 1}$$

Sequence: A137403
Score: 3.96383
Type of gen. func.: ogf

$$-(10 x^{14} + 10 x^{13} + 15 x^{12} + 5 x^{11} - 3 x^{10} + 2 x^9 - x^8 + x^7 - x^4 - x^3 + 2 x^2 + x + 2) / ((x - 1)(5 x^{12} + 1))$$

Sequence: A137410
Score: 10.0832
Type of gen. func.: ogf

$$\{-a(n+2) + 6\,a(n+1) - 5\,a(n),\ a(0) = 1,\ a(1) = 11\}$$

Sequence: A137410
Score: 18.5980
Type of gen. func.: ogf

$$\frac{5\,x + 1}{(5\,x - 1)\,(x - 1)}$$

Sequence: A137410
Score: 7.45959
Type of gen. func.: revogf

$$-\frac{-1 - 6\,x + (16\,x^2 + 32\,x + 1)^{1/2}}{10\,(x - 1)}$$

Sequence: A137410
Score: 7.64153
Type of gen. func.: lgdogf

$$-\frac{25\,x^2 + 10\,x - 11}{(x - 1)\,(5\,x + 1)\,(5\,x - 1)}$$

Sequence: A137410
Score: 9.59125
Type of gen. func.: ogf

$$(116\,f(x) + 115)\,(5\,f(x)\,x^2 - 6\,f(x)\,x + f(x) - 7\,x + 1)$$

Sequence: A137426
Score: 10.6551
Type of gen. func.: ogf

$$2\,f(x)\,x^3 - f(x)\,x - 2\,x^2 - f(x) + x$$

Sequence: A137426
Score: 14.5693
Type of gen. func.: ogf

$$\frac{x (2 x - 1)}{(x - 1) (2 x^2 + 2 x + 1)}$$

Sequence: A137426
Score: 17.2763
Type of gen. func.: lgdogf

$$- \frac{8 x^3 - 6 x^2 + 3}{(x - 1) (2 x - 1) (2 x^2 + 2 x + 1)}$$

Sequence: A137426
Score: 7.67629
Type of gen. func.: ogf

$\{-a(n + 3) - a(n + 2) + 2 a(n), a(0) = 0, a(1) = 1, a(2) = -3\}$

Sequence: A137429
Score: 18.1373
Type of gen. func.: ogf

$$- \frac{2 x - 1}{2 x^2 + 2 x + 1}$$

Sequence: A137429
Score: 22.0030
Type of gen. func.: revogf

$$- \frac{-1 + 2 x + (-4 x^2 - 12 x + 1)^{1/2}}{4 (x + 1)}$$

Sequence: A137429
Score: 9.06867
Type of gen. func.: ogf

$$-(f(x) + 63) (2 f(x) x^2 + 2 f(x) x + f(x) + 2 x - 1)$$

Sequence: A137429
Score: 9.95341
Type of gen. func.: ogf

$$\{a(n + 2) + 2 a(n + 1) + 2 a(n), a(0) = 1, a(1) = -4\}$$

Sequence: A137444
Score: 16.5873
Type of gen. func.: ogf

$$\frac{2 x + 1}{2 x^2 - 2 x + 1}$$

Sequence: A137444
Score: 20.1461
Type of gen. func.: revogf

$$-\frac{-1 - 2 x + (-4 x^2 + 12 x + 1)^{1/2}}{4 (x - 1)}$$

Sequence: A137444
Score: 23.0241
Type of gen. func.: lgdogf

$$-\frac{4 (x^2 + x - 1)}{(2 x + 1) (2 x^2 - 2 x + 1)}$$

Sequence: A137444
Score: 8.6794
Type of gen. func.: ogf

$$(f(x) + 63) (2 f(x) x^2 - 2 f(x) x + f(x) - 2 x - 1)$$

Sequence: A137444
Score: 9.10278
Type of gen. func.: ogf

$$\{-a(n+2) + 2\,a(n+1) - 2\,a(n),\ a(0) = 1,\ a(1) = 4\}$$

Sequence: A137445
Score: 14.8985
Type of gen. func.: ogf

$$-\frac{4x - 3}{2x^2 - 2x + 1}$$

Sequence: A137445
Score: 18.6935
Type of gen. func.: revogf

$$-\frac{-3 - 2x + (-4x^2 - 4x + 9)^{1/2}}{4(x + 2)}$$

Sequence: A137445
Score: 19.1855
Type of gen. func.: lgdogf

$$-\frac{2(4x^2 - 6x + 1)}{(4x - 3)(2x^2 - 2x + 1)}$$

Sequence: A137445
Score: 7.79572
Type of gen. func.: ogf

$$(3 f(x) - 13)(2 f(x) x^2 - 2 f(x) x + f(x) + 4x - 3)$$

Sequence: A137445

Score: 8.17599
Type of gen. func.: ogf

$$\{a(n+2) - 2\,a(n+1) + 2\,a(n),\ a(0) = 3,\ a(1) = 2\}$$

Sequence: A137447
Score: 12.8694
Type of gen. func.: ogf

$$-\frac{(2x+1)(6x^2 - 2x - 1)}{(2x^2 - 1)(2x^2 + 1)}$$

Sequence: A137447
Score: 8.78151
Type of gen. func.: ogf

$$(5 f(x) + 84)(4 f(x) x^4 + 12 x^3 + 2 x^2 - f(x) - 4 x - 1)$$

Sequence: A137447
Score: 9.75371
Type of gen. func.: lgdogf

$$-\frac{4 (12 x^6 + 4 x^5 - 12 x^4 - 4 x^3 + 9 x^2 + x - 1)}{(2x+1)(6x^2 - 2x - 1)(2x^2 - 1)(2x^2 + 1)}$$

Sequence: A137453
Score: 5.85757
Type of gen. func.: ogf

$$- (76 x^{13} - 76 x^{12} - 48 x^{11} + 72 x^{10} - 20 x^9 + 38 x^8 + 6 x^7 + 16 x^6 + 14 x^5$$

$$+ 2 x^4 + 8 x^3 - 2 x^2 + 7 x + 2)/(x - 1)$$

Sequence: A137466
Score: 13.1611
Type of gen. func.: ogf

$$\frac{20 x + 1}{(100 x - 1) (x - 1)}$$

Sequence: A137466
Score: 13.2087
Type of gen. func.: revogf

$$- \frac{-1 - 101 x + (9801 x^2 + 282 x + 1)^{1/2}}{40 (5 x - 1)}$$

Sequence: A137466
Score: 13.4838
Type of gen. func.: lgdogf

$$- \frac{2000 x^2 + 200 x - 121}{(x - 1) (100 x - 1) (20 x + 1)}$$

Sequence: A137466
Score: 6.78408
Type of gen. func.: ogf

$$(12021 f(x) + 2620) (100 f(x) x^2 - 101 f(x) x + f(x) - 20 x - 1)$$

Sequence: A137466
Score: 7.47791
Type of gen. func.: ogf

$$\{-a(n + 2) + 101 a(n + 1) - 100 a(n), a(0) = 1, a(1) = 121\}$$

Sequence: A137470
Score: 13.5145
Type of gen. func.: ogf

$$- \frac{2 x + 1}{(x - 1) (2 x^2 + 2 x + 1)}$$

Sequence: A137470
Score: 15.0706
Type of gen. func.: lgdogf

$$-\frac{8 x^3 + 6 x^2 + 1}{(x - 1) (2 x + 1) (2 x^2 + 2 x + 1)}$$

Sequence: A137470
Score: 6.46969
Type of gen. func.: ogf

{-a(n + 3) - a(n + 2) + 2 a(n), a(0) = 1, a(1) = 1, a(2) = -1}

Sequence: A137470
Score: 7.15472
Type of gen. func.: ogf

$$(f(x) + 1) (2 f(x) x^3 - f(x) x - f(x) + 2 x + 1)$$

Sequence: A137480
Score: 10.0309
Type of gen. func.: ogf

$$-(32 f(x) - 237) (4 f(x) x^2 - f(x) + 21 x + 12)$$

Sequence: A137480
Score: 11.5507
Type of gen. func.: ogf

{-a(n + 2) + 4 a(n), a(0) = 12, a(1) = 21}

Sequence: A137480
Score: 17.7290
Type of gen. func.: ogf

$$-\frac{3 (7 x + 4)}{}$$

$$(2 x - 1) (2 x + 1)$$

Sequence: A137482
Score: 10.1299
Type of gen. func.: lgdegf]

$$3 - 3 x + 3 x^{3} + 3 x^{2} + (x^{3} + 4 x^{2} - x - 2) f(x) + (x^{2} - 1) f(x)^{2}$$

Sequence: A137482
Score: 3.31158
Type of gen. func.: ogf

$$\{(n^{2} + 6 n + 8) a(n + 1) - a(n + 2) + (n + 3) a(n + 3) - a(n + 4), a(0) = 1, a(1) = 1, a(2) = 0, a(3) = 2\}$$

Sequence: A137483
Score: 15.6859
Type of gen. func.: ogf

$$- \frac{2 (-1 + 4 x)}{(9 x - 1) (x - 1)}$$

Sequence: A137483
Score: 7.67608
Type of gen. func.: ogf

$$-(253 f(x) - 218) (9 f(x) x^{2} - 10 f(x) x + f(x) + 8 x - 2)$$

Sequence: A137483
Score: 8.58989
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 9 a(n), a(0) = 2, a(1) = 12\}$$

Sequence: A137495
Score: 16.2662
Type of gen. func.: ogf

$$\frac{x - 2}{x^3 - x^2 + 2 x - 1}$$

Sequence: A137495
Score: 21.1890
Type of gen. func.: lgdogf

$$-\frac{(x - 3) (2 x^2 - x + 1)}{(x - 2) (x^3 - x^2 + 2 x - 1)}$$

Sequence: A137495
Score: 7.69740
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n + 1) - a(n), a(0) = 2, a(1) = 3, a(2) = 4\}$$

Sequence: A137495
Score: 7.98248
Type of gen. func.: ogf

$$-(3 f(x) + 34) (f(x) x^3 - f(x) x^2 + 2 f(x) x - f(x) - x + 2)$$

Sequence: A137500
Score: 9.86767
Type of gen. func.: ogf

$$6 f(x) x^3 - 8 f(x) x^2 + 5 f(x) x + x^2 - f(x)$$

Sequence: A137501
Score: 11.5133
Type of gen. func.: ogf

$$f(x) x^3 + f(x) x^2 - f(x) x + 2 x^2 - f(x)$$

Sequence: A137501
Score: 20.7240
Type of gen. func.: ogf

$$-\frac{2 x^{2}}{(x - 1) (x + 1)^{2}}$$

Sequence: A137501
Score: 44.2704
Type of gen. func.: ogf_with_Euler_transform]

$$[2 x - 1]$$

Sequence: A137501
Score: 53.9686
Type of gen. func.: lgdogf

$$-\frac{3 x - 1}{(x - 1) (x + 1)}$$

Sequence: A137501
Score: 8.47798
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) + a(n + 1) + a(n), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A137505
Score: 12.388
Type of gen. func.: ogf

$$-2 f(x) x^{3} + f(x) x - x^{2} + f(x) - 2 x - 1$$

Sequence: A137505
Score: 16.5953
Type of gen. func.: ogf

$$(x + 1)^{2}$$

$$- \frac{\quad}{(x - 1) (2 x^2 + 2 x + 1)}$$

Sequence: A137505
Score: 21.7588
Type of gen. func.: lgdogf

$$- \frac{2 x^3 + 6 x^2 + x + 1}{(x - 1) (x + 1) (2 x^2 + 2 x + 1)}$$

Sequence: A137505
Score: 9.45754
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) + 2 a(n), a(0) = 1, a(1) = 1, a(2) = 0\}$$

Sequence: A137506
Score: 7.21557
Type of gen. func.: ogf

$$\frac{22 x^9 + 26 x^7 - 83 x^5 - 17 x^4 - 24 x^3 + 124 x^2 + 59 x + 141}{(x^2 + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A137517
Score: 10.4002
Type of gen. func.: ogf

$$- \frac{(12 x - 11) (10 x - 11)}{(x - 1)^3}$$

Sequence: A137517
Score: 17.0498
Type of gen. func.: lgdogf

$$- \frac{120 x^2 - 244 x + 121}{\quad}$$

$$(x - 1) (12 x - 11) (10 x - 11)$$

Sequence: A137517
Score: 5.75881
Type of gen. func.: ogf

$$(35 f(x) + 2109) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 120 x^{2} - f(x) - 242 x + 121)$$

Sequence: A137517
Score: 5.90522
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 121, a(1) = 121, a(2) = 120\}$$

Sequence: A137529
Score: 3.08077
Type of gen. func.: ogf

$$(10 f(x) - 1) (8 f(x) x^{4} + 4 x^{3} + 4 x^{2} - f(x) + 3 x + 1)$$

Sequence: A137529
Score: 4.54007
Type of gen. func.: ogf

$$- \frac{(2 x + 1) (2 x^{2} + x + 1)}{8 x^{4} - 1}$$

Sequence: A137531
Score: 14.8374
Type of gen. func.: ogf

$$- \frac{x + 1}{x^{3} - 2 x^{2} + 3 x - 1}$$

Sequence: A137531
Score: 15.3059
Type of gen. func.: lgdogf

$$-\frac{(x+2)(2x^2-3x+2)}{(x+1)(x^3-2x^2+3x-1)}$$

Sequence: A137531
Score: 6.95915
Type of gen. func.: ogf

$$\{-a(n+3)+3a(n+2)-2a(n+1)+a(n), a(0)=1, a(1)=4, a(2)=10\}$$

Sequence: A137531
Score: 7.48936
Type of gen. func.: ogf

$$(27 f(x)+37)(f(x) x^3-2 f(x) x^2+3 f(x) x-f(x)+x+1)$$

Sequence: A137566
Score: 11.3433
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^3-x-1}{x^4+x^3-x-1}$$

Sequence: A137569
Score: 16.1112
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x-1}{x^3-1}$$

Sequence: A137575
Score: 10.8972
Type of gen. func.: ogf

$$-\frac{14x^{28}+10x^{10}+6x^{2}+x+1}{x-1}$$

Sequence: A137575
Score: 8.33667
Type of gen. func.: lgdogf

$$\frac{2\,(189x^{28}-196x^{27}+45x^{10}-50x^{9}+3x^{2}-6x-1)}{(x-1)\,(14x^{28}+10x^{10}+6x^{2}+x+1)}$$

Sequence: A137584
Score: 6.67369
Type of gen. func.: ogf

$$-(58\,f(x)+99)\,(f(x)\,x^{3}-2\,f(x)\,x^{2}+x^{3}+3\,f(x)\,x-3x^{2}-f(x)+3x)$$

Sequence: A137584
Score: 8.58498
Type of gen. func.: ogf

$$-\frac{x\,(17x^{5}-27x^{4}+40x^{3}+x^{2}-3x+3)}{x^{3}-2x^{2}+3x-1}$$

Sequence: A137591
Score: 10.3053
Type of gen. func.: egf]

$$2\,f(x)^{2}\,x^{2}-4\,f(x)^{2}\,x+f(x)^{2}-x^{2}+2x-1$$

Sequence: A137591
Score: 3.56174
Type of gen. func.: ogf

3 2 3 2

$$\{(-2 n - 6 n - 4 n) a(n) + (2 n + 18 n + 40 n + 24) a(n + 1)$$

$$+ (-4 n^{2} - 23 n - 31) a(n + 2) + (n + 3) a(n + 3), a(0) = 1, a(1) = 1,$$

$$a(2) = 6\}$$

Sequence: A137591
Score: 33.0833
Type of gen. func.: lgdegf]

$$-\frac{1}{(x - 1) (2 x^{2} - 4 x + 1)}$$

Sequence: A137591
Score: 36.2341
Type of gen. func.: revegf]

$$1 - (2 x^{2} - 2 x + 1)^{1/2}$$

Sequence: A137635
Score: 16.2280
Type of gen. func.: lgdogf

$$-\frac{2 (x + 1) (3 x + 1)}{4 x^{3} + 8 x^{2} + 4 x - 1}$$

Sequence: A137635
Score: 8.94563
Type of gen. func.: ogf

$$-4 f(x)^{2} x^{3} - 8 f(x)^{2} x^{2} - 4 f(x)^{2} x + f(x)^{2} - 1$$

Sequence: A137644
Score: 6.72706
Type of gen. func.: ogf

$$4 f(x)^{3} x^{3} - 4 f(x)^{3} x^{2} + 36 f(x)^{3} x - 5 f(x)^{3} - 3 f(x) x + 4 f(x) + 1$$

Sequence: A137667
Score: 5.27707
Type of gen. func.: ogf

$$x (92 x^{10} + 2 x^9 - 98 x^8 + 2 x^7 + 2 x^6 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 1) / ((x - 1) (x + 1) (10 x^4 - 1) (10 x^4 + 1))$$

Sequence: A137676
Score: 6.60243
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^6 + x^3 + 1}{x^8 + x^7 + x^6 + x^5 - x^3 - x^2 - x - 1}$$

Sequence: A137677
Score: 6.14319
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^4 + x^3 + x^2}{x^8 + x^7 + x^6 + x^5 - x^3 - x^2 - x - 1}$$

Sequence: A137685
Score: 12.2584
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^5 + 2 x^4 + 2 x^3 + 2 x + 2}{x^6 - 1}$$

Sequence: A137693
Score: 3.82545
Type of gen. func.: ogf

$$-(13430973193759665 f(x) + 15622176419104)$$

$$(f(x) x^3 - 1155 f(x) x^2 + 1155 f(x) x - x^2 - f(x) - 198 x + 7)$$

Sequence: A137693
Score: 4.57850
Type of gen. func.: ogf

$\{a(n + 3) - 1155 a(n + 2) + 1155 a(n + 1) - a(n), a(0) = 7, a(1) = 7887,$

$a(2) = 9101399\}$

Sequence: A137693
Score: 8.42709
Type of gen. func.: ogf

$$\frac{x^2 + 198 x - 7}{(x - 1) (x^2 - 1154 x + 1)}$$

Sequence: A137694
Score: 3.80141
Type of gen. func.: ogf

$$(1719164568825291168 f(x) - 977254097712433)$$

$$(f(x) x^3 - 1155 f(x) x^2 + 1155 f(x) x + x^2 - f(x) - 198 x + 5)$$

Sequence: A137694
Score: 4.51980
Type of gen. func.: ogf

$\{-a(n + 3) + 1155 a(n + 2) - 1155 a(n + 1) + a(n), a(0) = 5, a(1) = 5577,$

$a(2) = 6435661\}$

Sequence: A137694
Score: 8.31904
Type of gen. func.: ogf

$$- \frac{x^2 - 198 x + 5}{}$$

$$(x - 1) (x^2 - 1154 x + 1)$$

Sequence: A137697
Score: 5.63377
Type of gen. func.: revogf

$$- 1/18 + \frac{8 x}{9} - \frac{8 x^2}{9} + \frac{(-(8 x^2 - 8 x - 1) (2 x - 1)^2)^{1/2}}{18}$$

Sequence: A137711
Score: 2.68885
Type of gen. func.: ogf

$$-(2 f(x) x - f(x) + x + 1)^3$$

Sequence: A137717
Score: 13.8316
Type of gen. func.: ogf

$$- \frac{2 x - 1}{4 x^2 + 2 x + 1}$$

Sequence: A137717
Score: 14.9495
Type of gen. func.: revogf

$$- \frac{-1 + 2 x + (-12 x^2 - 12 x + 1)^{1/2}}{4 (2 x + 1)}$$

Sequence: A137717
Score: 16.4827
Type of gen. func.: lgdogf

$$- \frac{4 (2 x^2 - 2 x - 1)}{(2 x - 1) (4 x^2 + 2 x + 1)}$$

Sequence: A137717
Score: 6.91577
Type of gen. func.: ogf

$$-(3 f(x) - 19) (4 f(x) x^2 + 2 f(x) x + f(x) + 2 x - 1)$$

Sequence: A137717
Score: 7.59049
Type of gen. func.: ogf

$$\{a(n + 2) + 2 a(n + 1) + 4 a(n), a(0) = 1, a(1) = -4\}$$

Sequence: A137718
Score: 7.54179
Type of gen. func.: ogf

$$-4 f(x) x^4 - 2 f(x) x^2 - 4 x^3 + 4 x^2 - f(x) - 4 x + 1$$

Sequence: A137718
Score: 8.44175
Type of gen. func.: lgdogf

$$-\frac{4 (4 x^6 - 8 x^5 + 10 x^4 - 4 x^3 - x^2 + x - 1)}{(4 x^3 - 4 x^2 + 4 x - 1) (4 x^4 + 2 x^2 + 1)}$$

Sequence: A137718
Score: 9.16618
Type of gen. func.: ogf

$$-\frac{4 x^3 - 4 x^2 + 4 x - 1}{4 x^4 + 2 x^2 + 1}$$

Sequence: A137719

Score: 11.9656
Type of gen. func.: lgdogf

$$-\frac{(2x+1)(2x^3+6x^2+3x+1)}{(x-1)(x+2)(x+1)(x^2+x+1)}$$

Sequence: A137719
Score: 13.1882
Type of gen. func.: ogf

$$\frac{x(x+2)}{(x+1)(x^2+x+1)(x-1)^2}$$

Sequence: A137720
Score: 23.3464
Type of gen. func.: lgdogf

$$-\frac{6x-1}{(-1+4x)(3x-1)}$$

Sequence: A137720
Score: 3.61425
Type of gen. func.: ogf

$\{(n+3)a(n+3)+(-15-7n)a(n+2)+(18+12n)a(n+1), a(0)=1,$

$a(1)=1, a(2)=1\}$

Sequence: A137720
Score: 8.25345
Type of gen. func.: ogf

$$9f(x)^2x^2-6f(x)^2x+f(x)^2+4x-1$$

Sequence: A137725
Score: 7.64353
Type of gen. func.: lgdogf

$$(x^{11} - x^{10} - 3 x^9 + x^8 + 12 x^7 - 6 x^6 + 13 x^5 + 9 x^4 - 11 x^3 - 19 x^2 + 10 x + 2) / ((x - 1) (x + 1) (x^3 + x - 1) (x^7 + 2 x^5 - 4 x^4 - 5 x^3 + 4 x^2 - 2 x + 2))$$

Sequence: A137725
Score: 9.59129
Type of gen. func.: ogf

$$- \frac{2 (x^7 + 2 x^5 - 4 x^4 - 5 x^3 + 4 x^2 - 2 x + 2)}{(x + 1) (x^3 + x - 1) (x - 1)^2}$$

Sequence: A137726
Score: 7.22057
Type of gen. func.: lgdogf

$$(x^{11} - x^{10} - 3 x^9 + x^8 + 12 x^7 - 6 x^6 + 13 x^5 + 9 x^4 - 11 x^3 - 19 x^2 + 10 x + 2) / ((x - 1) (x + 1) (x^3 + x - 1) (x^7 + 2 x^5 - 4 x^4 - 5 x^3 + 4 x^2 - 2 x + 2))$$

Sequence: A137726
Score: 9.15859
Type of gen. func.: ogf

$$- \frac{x^7 + 2 x^5 - 4 x^4 - 5 x^3 + 4 x^2 - 2 x + 2}{(x + 1) (x^3 + x - 1) (x - 1)^2}$$

Sequence: A137739
Score: 4.91094
Type of gen. func.: ogf

$$x^{10} + 3 x^9 - 6 x^8 - 26 x^7 + 221 x^5 - 370 x^4 + 162 x^3 + 72 x^2 - 57 x - 1$$

$$(x - 1)^{7}$$

Sequence: A137740
Score: 5.76211
Type of gen. func.: ogf

$$\frac{x^{8} + 2 x^{7} - 7 x^{6} - 20 x^{5} + 57 x^{4} - 20 x^{3} - 39 x^{2} + 26 x + 1}{(x - 1)^{6}}$$

Sequence: A137741
Score: 7.14925
Type of gen. func.: ogf

$$\frac{x^{6} + x^{5} - 8 x^{4} + x^{3} + 16 x^{2} - 11 x - 1}{(x - 1)^{5}}$$

Sequence: A137741
Score: 9.91387
Type of gen. func.: lgdogf

$$\frac{x^{6} - 6 x^{5} + 3 x^{4} + 30 x^{3} - 51 x^{2} + 12 x + 16}{(x - 1) (x^{6} + x^{5} - 8 x^{4} + x^{3} + 16 x^{2} - 11 x - 1)}$$

Sequence: A137742
Score: 10.9887
Type of gen. func.: ogf

$$\frac{x^{4} - 5 x^{2} + 4 x + 1}{(x - 1)^{4}}$$

Sequence: A137742
Score: 18.4626
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^{3}-5\,x^{2}+x+4)}{(x-1)\,(x^{4}-5\,x^{2}+4\,x+1)}$$

Sequence: A137742
Score: 6.00092
Type of gen. func.: ogf

$$(103\,f(x)-643)$$

$$(f(x)\,x^{4}-4\,f(x)\,x^{3}-x^{4}+6\,f(x)\,x^{2}-4\,f(x)\,x+5\,x^{2}+f(x)-4\,x-1)$$

Sequence: A137775
Score: 4.14447
Type of gen. func.: ogf

$$\{(3\,n+6)\,a(n+1)+(n+2)\,a(n+2)-a(n+3),\ a(0)=1,\ a(1)=0,\ a(2)=3$$

$$\}$$

Sequence: A137775
Score: 54.2227
Type of gen. func.: lgdegf]

$$-\frac{3\,x}{x-1}$$

Sequence: A137786
Score: 12.0652
Type of gen. func.: ogf

$$\frac{14\,x^{2}-8\,x+1}{(3\,x-1)\,(2\,x-1)\,(-1+4\,x)}$$

Sequence: A137786
Score: 6.32925
Type of gen. func.: ogf

3 2 2

$-(83 f(x) + 1337) (24 f(x) x - 26 f(x) x + 9 f(x) x - 14 x - f(x) + 8 x - 1)$

Sequence: A137786
Score: 6.77342
Type of gen. func.: ogf

$\{a(n + 3) - 9 a(n + 2) + 26 a(n + 1) - 24 a(n), a(0) = -1, a(1) = -1, a(2) = 3\}$

Sequence: A137787
Score: 4.84074
Type of gen. func.: ogf

$$(49 f(x) - 1439) (120 f(x) x^4 - 154 f(x) x^3 + 71 f(x) x^2 - 106 x^3 - 14 f(x) x + 90 x^2 + f(x) - 24 x + 2)$$

Sequence: A137787
Score: 8.40175
Type of gen. func.: ogf

$$\frac{2 (53 x^3 - 45 x^2 + 12 x - 1)}{(-1 + 4 x) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A137788
Score: 6.88143
Type of gen. func.: ogf

$$\frac{2 (1080 x^4 - 1164 x^3 + 444 x^2 - 71 x + 4)}{(6 x - 1) (-1 + 4 x) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A137789
Score: 4.23791
Type of gen. func.: ogf

$$\frac{488880 x^5 - 572076 x^4 + 231460 x^3 - 36445 x^2 + 1178 x + 127}{(6 x - 1) (-1 + 4 x) (3 x - 1) (2 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A137790
Score: 3.79167
Type of gen. func.: ogf

$$(23345280 x^6 - 29177136 x^5 + 12543396 x^4 - 1855156 x^3 - 112345 x^2 + 54310 x - 3761)/((6 x - 1) (-1 + 4 x) (3 x - 1) (2 x - 1) (8 x - 1) (7 x - 1) (5 x - 1))$$

Sequence: A137797
Score: 6.80150
Type of gen. func.: lgdogf

$$- \frac{9 x^8 + 30 x^7 + 38 x^6 + 28 x^5 + 10 x^4 + 6 x^3 + 15 x^2 + 12 x + 2}{(x - 1) (x + 1) (3 x^3 + 6 x^2 + 4 x + 2) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A137797
Score: 8.62081
Type of gen. func.: ogf

$$- \frac{2 x (3 x^3 + 6 x^2 + 4 x + 2)}{(x^4 + x^3 + x^2 + x + 1) (x - 1) (x + 1)}$$

Sequence: A137798
Score: 10.6198
Type of gen. func.: ogf

$$\frac{2 x^2 (3 x^3 + 6 x^2 + 4 x + 2)}{(x^4 + x^3 + x^2 + x + 1) (x + 1) (x - 1)^2}$$

Sequence: A137798
Score: 7.98676
Type of gen. func.: lgdogf

$$12 x^8 + 42 x^7 + 60 x^6 + 56 x^5 + 40 x^4 + 33 x^3 + 33 x^2 + 20 x + 4$$

$$- \frac{}{(x - 1) (x + 1) (3 x^3 + 6 x^2 + 4 x + 2) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A137823
Score: 8.35118
Type of gen. func.: ogf

$$- \frac{9 x^5 + 12 x^4 + 3 x^3 - 3 x^2 - 2 x - 1}{(x - 1) (9 x^3 - 1) (x^2 + x + 1)}$$

Sequence: A137824
Score: 14.0607
Type of gen. func.: lgdogf

$$- \frac{8 x^4 + 24 x^3 + 12 x^2 + 4 x + 3}{(2 x + 1) (x + 1) (4 x^3 - 1)}$$

Sequence: A137824
Score: 15.2185
Type of gen. func.: ogf

$$- \frac{(x + 1) (2 x + 1)}{4 x^3 - 1}$$

Sequence: A137824
Score: 9.43931
Type of gen. func.: ogf

$$-(3 f(x) + 1) (4 f(x) x^3 + 2 x^2 - f(x) + 3 x + 1)$$

Sequence: A137824
Score: 9.81192
Type of gen. func.: ogf

{a(n + 3) - 4 a(n), a(0) = 1, a(1) = 3, a(2) = 2}

Sequence: A137828
Score: 12.1118
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^3 - 2x^2 + 3x - 2}{-x^4 + 1}$$

Sequence: A137829
Score: 13.3577
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^2 - x - 2}{-x^3 + x^2 - x + 1}$$

Sequence: A137830
Score: 10.9182
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^3 + 2x^2 + x + 2}{-x^4 + 1}$$

Sequence: A137842
Score: 14.2914
Type of gen. func.: revogf

$$-\frac{(-4 - x + (x^2 (4x + 1))^{1/2})\, x}{2 (x^2 + 2x + 2)}$$

Sequence: A137842
Score: 6.02242
Type of gen. func.: ogf

$$f(x)^3 x - f(x)^2 x^2 + f(x)^2 x - 2 f(x)^2 - 2 f(x) x + 4 f(x) - 2$$

Sequence: A137864
Score: 13.9185
Type of gen. func.: lgdogf

$$-\frac{23x^4 + 96x^3 + 6x^2 - 8x + 3}{(x - 1)(23x^4 + 2x^3 - 2x + 1)}$$

Sequence: A137864
Score: 8.86317
Type of gen. func.: ogf

$$-\frac{23x^4 + 2x^3 - 2x + 1}{(x - 1)^5}$$

Sequence: A137878
Score: 5.37313
Type of gen. func.: ogf

$$-\frac{x^4 + 17688x^3 + 128214x^2 + 17688x + 1}{(x - 1)(x^2 - 482x + 1)(x^2 + 482x + 1)}$$

Sequence: A137879
Score: 4.78791
Type of gen. func.: ogf

$$(456074210592 f(x) + 108847615259)$$

$$(f(x) x^4 - 482 f(x) x^2 - x^3 - 133x^2 + f(x) - 133x - 1)$$

Sequence: A137879
Score: 6.31570
Type of gen. func.: lgdogf

$$x^6 + 266x^5 + 881x^4 + 4x^3 - 64109x^2 - 1230x - 133$$

$$-\frac{\quad}{(x+1)\,(x^2-22\,x+1)\,(x^2+22\,x+1)\,(x^2+132\,x+1)}$$

Sequence: A137879
Score: 8.69915
Type of gen. func.: ogf

$$\frac{(x+1)\,(x^2+132\,x+1)}{(x^2-22\,x+1)\,(x^2+22\,x+1)}$$

Sequence: A137880
Score: 6.81097
Type of gen. func.: ogf

$$-\frac{x^4+48\,x^3-306\,x^2+48\,x+1}{(x-1)\,(x^2-22\,x+1)\,(x^2+22\,x+1)}$$

Sequence: A137881
Score: 10.7447
Type of gen. func.: lgdogf

$$-\frac{x^6+14\,x^5+x^4-4\,x^3+151\,x^2+30\,x+7}{(x-1)\,(x^2+8\,x+1)\,(x^4-22\,x^2+1)}$$

Sequence: A137881
Score: 11.7538
Type of gen. func.: ogf

$$-\frac{(x-1)\,(x^2+8\,x+1)}{x^4-22\,x^2+1}$$

Sequence: A137881
Score: 7.24999
Type of gen. func.: ogf

$$(2184 f(x) - 811) (f(x) x^4 - 22 f(x) x^2 + x^3 + 7 x^2 + f(x) - 7 x - 1)$$

Sequence: A137882
Score: 17.2330
Type of gen. func.: ogf

$$- \frac{2 (x^3 - x^2 + x + 1)}{(x - 1)^3}$$

Sequence: A137882
Score: 39.0835
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 + 2)}{(x - 1) (x^3 - x^2 + x + 1)}$$

Sequence: A137882
Score: 8.87373
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 2, a(1) = 8, a(2) = 16,

a(3) = 28}

Sequence: A137882
Score: 9.909
Type of gen. func.: ogf

$$(3 f(x) + 26) (f(x) x^3 - 3 f(x) x^2 + 2 x^3 + 3 f(x) x - 2 x^2 - f(x) + 2 x + 2)$$

Sequence: A137883
Score: 7.36043
Type of gen. func.: ogf

$$8 (3 x^5 - 5 x^4 - 5 x^3 + 10 x^2 - 9)$$

```
                 - ---------------------------------
                                  2        4
                           (x + 1)  (x - 1)
```

Sequence: A137883
Score: 9.35285
Type of gen. func.: lgdogf

```
                   6      5       4       3      2
                3 x  - 4 x  - 10 x  + 10 x  + 5 x  - 34 x - 18
             - ---------------------------------------------------
                                   5      4      3       2
                (x - 1) (x + 1) (3 x  - 5 x  - 5 x  + 10 x  - 9)
```

Sequence: A137885
Score: 11.2117
Type of gen. func.: ogf

```
                                     2
                             48 (4 x  - 6 x + 3)
                           - -------------------
                                            3
                                   (2 x - 1)
```

Sequence: A137885
Score: 6.35329
Type of gen. func.: ogf

```
(3 f(x) - 112)

              3             2                    2
    (8 f(x) x  - 12 f(x) x  + 6 f(x) x + 192 x  - f(x) - 288 x + 144)
```

Sequence: A137885
Score: 6.35329
Type of gen. func.: ogf

```
{a(n + 3) - 6 a(n + 2) + 12 a(n + 1) - 8 a(n), a(0) = 144, a(1) = 576,

    a(2) = 1920}
```

Sequence: A137889
Score: 4.31731
Type of gen. func.: ogf

```
                                    4             3             2        3
```

$$-(4805 f(x) + 9272772) (192 f(x) x - 316 f(x) x + 147 f(x) x + 360 x$$
$$- 24 f(x) x - 402 x^2 + f(x) + 108 x - 6)$$

Sequence: A137889
Score: 7.81912
Type of gen. func.: ogf

$$- \frac{6 (60 x^3 - 67 x^2 + 18 x - 1)}{(x - 1) (-1 + 4 x) (3 x - 1) (16 x - 1)}$$

Sequence: A137904
Score: 8.44194
Type of gen. func.: ogf

$$- \frac{32 x^{29} - 32 x^{28} + 18 x^{11} - 18 x^{10} + 8 x^3 - 8 x^2 - 1}{(x - 1)^2}$$

Sequence: A137913
Score: 6.94879
Type of gen. func.: lgdogf

$$\frac{2 (225 x^{27} - 459 x^{26} + 234 x^{25} + 28 x^9 - 60 x^8 + 32 x^7 - x + 2)}{(x - 1) (18 x^{27} - 18 x^{26} + 8 x^9 - 8 x^8 + 2 x - 3)}$$

Sequence: A137913
Score: 8.52191
Type of gen. func.: ogf

$$- \frac{18 x^{27} - 18 x^{26} + 8 x^9 - 8 x^8 + 2 x - 3}{(x - 1)^2}$$

Sequence: A137928
Score: 15.7419
Type of gen. func.: ogf

$$-\frac{2\,(x^2+1)}{(x+1)\,(x-1)^3}$$

Sequence: A137928
Score: 23.1949
Type of gen. func.: lgdogf

$$-\frac{2\,(x^3+x^2+3\,x+1)}{(x-1)\,(x+1)\,(x^2+1)}$$

Sequence: A137928
Score: 30.7924
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^3+2\,x+2]$$

Sequence: A137928
Score: 8.23198
Type of gen. func.: ogf

$$(23\,f(x)-64)\,(f(x)\,x^4-2\,f(x)\,x^3+2\,f(x)\,x+2\,x^2-f(x)+2)$$

Sequence: A137930
Score: 14.3060
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^4+14\,x^2+10\,x+5)}{(x-1)\,(x+1)\,(3\,x^3-3\,x^2+7\,x+1)}$$

Sequence: A137930
Score: 9.12830
Type of gen. func.: ogf

$$\frac{x\,(3\,x^{3} - 3\,x^{2} + 7\,x + 1)}{(x + 1)\,(x - 1)^{4}}$$

Sequence: A137931
Score: 10.9907
Type of gen. func.: ogf

$$\frac{2\,x\,(3\,x + 5)\,(x + 1)}{(x - 1)^{4}}$$

Sequence: A137931
Score: 21.4029
Type of gen. func.: lgdogf

$$- \frac{2\,(3\,x^{2} + 15\,x + 14)}{(3\,x + 5)\,(x - 1)\,(x + 1)}$$

Sequence: A137931
Score: 4.08070
Type of gen. func.: ogf

$$\{(15 + 5\,n)\,a(n + 4) + (-22 + 3\,n)\,a(n + 3) + (-35 - 5\,n)\,a(n + 2) + (-6 - 3\,n)\,a(n + 1),\ a(0) = 0,\ a(1) = 10,\ a(2) = 56,\ a(3) = 170\}$$

Sequence: A137931
Score: 5.5696
Type of gen. func.: ogf

$$(1355264\,f(x) + 10599305)\,(f(x)\,x^{4} - 4\,f(x)\,x^{3} + 6\,f(x)\,x^{2} - 6\,x^{3} - 4\,f(x)\,x - 16\,x^{2} + f(x) - 10\,x)$$

Sequence: A137932
Score: 11.181
Type of gen. func.: ogf

4 3 3

$$f(x) x - 2 f(x) x + 4 x + 2 f(x) x - f(x)$$

Sequence: A137932
Score: 20.1257
Type of gen. func.: ogf

$$- \frac{4 x^{3}}{(x + 1) (x - 1)^{3}}$$

Sequence: A137932
Score: 40.9841
Type of gen. func.: lgdogf

$$- \frac{2 (2 x + 1)}{(x - 1) (x + 1)}$$

Sequence: A137932
Score: 42.9290
Type of gen. func.: ogf_with_Euler_transform]

$$[x + 2]$$

Sequence: A137932
Score: 6.70857
Type of gen. func.: ogf

$$\{-n a(n + 3) + 2 a(n + 2) + (n + 2) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 4\}$$

Sequence: A137933
Score: 10.9382
Type of gen. func.: ogf

$$- \frac{2 (x^{4} + 2 x^{3} + 6 x^{2} + 2 x + 1)}{(x - 1)^{3} (x + 1)^{3}}$$

Sequence: A137933
Score: 12.7699
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 + 3 x^4 + 14 x^3 + 8 x^2 + 9 x + 1)}{(x - 1) (x + 1) (x^4 + 2 x^3 + 6 x^2 + 2 x + 1)}$$

Sequence: A137933
Score: 6.69351
Type of gen. func.: ogf

$\{(n^2 + 8 n + 16) a(n + 1) + (-n^2 - 4 n - 4) a(n + 3), a(0) = 2, a(1) = 4,$

$a(2) = 18\}$

Sequence: A137934
Score: 10.7512
Type of gen. func.: lgdogf

$$-\frac{2 x^9 + 3 x^8 + 4 x^7 + 5 x^6 + 6 x^5 + 4 x^3 + 3 x^2 + 2 x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A137934
Score: 15.4472
Type of gen. func.: ogf

$$-\frac{2 (x^4 + x^3 + x^2 + x + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A137934
Score: 30.3700
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5 - x^4 + 1]$$

Sequence: A137935
Score: 10.7486
Type of gen. func.: ogf

$$\frac{x\,(31\,x^{4} + 5\,x^{3} + 5\,x^{2} + 5\,x + 5)}{(x^{4} + x^{3} + x^{2} + x + 1)\,(x - 1)^{2}}$$

Sequence: A137935
Score: 7.83113
Type of gen. func.: lgdogf

$$- \frac{2\,(31\,x^{8} + 23\,x^{7} + 28\,x^{6} + 33\,x^{5} + 38\,x^{4} + 72\,x^{3} + 15\,x^{2} + 10\,x + 5)}{(x - 1)\,(x^{4} + x^{3} + x^{2} + x + 1)\,(31\,x^{4} + 5\,x^{3} + 5\,x^{2} + 5\,x + 5)}$$

Sequence: A137936
Score: 11.1623
Type of gen. func.: ogf

$$- \frac{x\,(19\,x^{4} - 5\,x^{3} - 5\,x^{2} - 5\,x - 5)}{(x^{4} + x^{3} + x^{2} + x + 1)\,(x - 1)^{2}}$$

Sequence: A137936
Score: 8.27849
Type of gen. func.: lgdogf

$$- \frac{2\,(19\,x^{8} + 2\,x^{7} - 3\,x^{6} - 8\,x^{5} - 13\,x^{4} + 28\,x^{3} - 15\,x^{2} - 10\,x - 5)}{(x - 1)\,(x^{4} + x^{3} + x^{2} + x + 1)\,(19\,x^{4} - 5\,x^{3} - 5\,x^{2} - 5\,x - 5)}$$

Sequence: A137937
Score: 7.73875
Type of gen. func.: ogf

```
          2      27       26      9      8
         x  (18 x   - 18 x   + 8 x  - 8 x  + 2 x - 3)
       - --------------------------------------------
                                 2
```

$(x - 1)$

Sequence: A137947
Score: 5.46117
Type of gen. func.: lgdogf

$$\frac{114048 x^{13} - 114048 x^{12} - 10368 x^{11} + 756 x^{8} - 864 x^{7} - 13}{(x - 1) (9504 x^{13} + 864 x^{12} + 108 x^{8} + 10 x + 3)}$$

Sequence: A137947
Score: 7.81011
Type of gen. func.: ogf

$$- \frac{9504 x^{13} + 864 x^{12} + 108 x^{8} + 10 x + 3}{x - 1}$$

Sequence: A137976
Score: 3.15112
Type of gen. func.: ogf

$$- \frac{x^{3} + x^{2} + 13 x + 3}{x^{4} + 11 x^{2} - 1}$$

Sequence: A137979
Score: 15.7348
Type of gen. func.: ogf

$$\frac{x^{103} + x^{102} - 1}{x^{102} + x - 1}$$

Sequence: A137979
Score: 23.7238
Type of gen. func.: lgdogf

102   101

$$\frac{104 x + 104 x - 1}{104 x^{101} + x - 1}$$

Sequence: A137979
Score: 76.0965
Type of gen. func.: ogf_with_Euler_transform]

[1]

Sequence: A138003
Score: 11.9361
Type of gen. func.: lgdogf

$$- \frac{(2 x - 1) (x^2 + 1) (x^2 - 2 x + 2)}{(x^2 - x + 1) (x^4 - 2 x^3 + 4 x^2 - 3 x + 1)}$$

Sequence: A138003
Score: 6.26572
Type of gen. func.: ogf

$$f(x) x^4 - 2 f(x) x^3 + 4 f(x) x^2 - 3 f(x) x - x^2 + f(x) + x - 1$$

Sequence: A138003
Score: 9.71639
Type of gen. func.: ogf

$$\frac{x^2 - x + 1}{x^4 - 2 x^3 + 4 x^2 - 3 x + 1}$$

Sequence: A138014
Score: 34.6844
Type of gen. func.: revegf]

$$\exp(x) - \exp(x^2)$$

Sequence: A138017
Score: 2.50327
Type of gen. func.: ogf

$$-(7 f(x) + 33) (6 f(x) x^3 - 2 f(x) x^2 - 3 f(x) x + 6 x^2 + f(x) - 1)$$

Sequence: A138017
Score: 4.91870
Type of gen. func.: ogf

$$-\frac{6 x^2 - 1}{(3 x - 1) (2 x^2 - 1)}$$

Sequence: A138017
Score: 6.10919
Type of gen. func.: lgdogf

$$-\frac{36 x^4 - 8 x + 3}{(3 x - 1) (6 x^2 - 1) (2 x^2 - 1)}$$

Sequence: A138019
Score: 10.8015
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + x + 1)}{x^4 + x^3 + x^2 + x + 1}$$

Sequence: A138019
Score: 16.6838
Type of gen. func.: lgdogf

$$-\frac{x^6 + 4 x^5 + 7 x^4 + 6 x^3 - 2 x - 1}{(x + 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A138019
Score: 22.4292
Type of gen. func.: ogf_with_Euler_transform]

$$[x^4 - x^2 - x + 1]$$

Sequence: A138019
Score: 5.8987
Type of gen. func.: ogf

$$-(3 f(x) - 1)$$

$$(f(x) x^4 + f(x) x^3 + f(x) x^2 - x^3 + f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A138020
Score: 5.45306
Type of gen. func.: revogf

$$x (11 x^{10} - 55 x^8 + 77 x^6 - 44 x^4 + 11 x^2 - 1) / ((2 x + 1)$$

$$(x^5 + 3 x^4 - 3 x^3 - 4 x^2 + x + 1) (x^5 - 3 x^4 - 3 x^3 + 4 x^2 + x - 1))$$

Sequence: A138020
Score: 9.37126
Type of gen. func.: ogf

$$-1 - 2 f(x) x + f(x)^2 - 2 f(x)^3 x$$

Sequence: A138034
Score: 14.7954
Type of gen. func.: ogf

$$-f(x) x^2 + f(x) x + 3 x^2 - f(x) + 1$$

Sequence: A138034

Score: 20.2305
Type of gen. func.: ogf

$$\frac{3 x^2 + 1}{x^2 - x + 1}$$

Sequence: A138034
Score: 34.5723
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 4 x - 1}{(x^2 - x + 1) (3 x^2 + 1)}$$

Sequence: A138034
Score: 9.71856
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) - a(n + 1), a(0) = 1, a(1) = 1, a(2) = 3\}$$

Sequence: A138035
Score: 9.23183
Type of gen. func.: lgdegf]

$$-\frac{-3600 - 41 x - 3742 x^2 + 60 (3885 x^4 + 7320 x^2 + 3600)^{1/2}}{41 x}$$

Sequence: A138041
Score: 12.8546
Type of gen. func.: ogf

$$-\frac{6 x + 1}{6 x^2 + 4 x - 1}$$

Sequence: A138041
Score: 13.8117
Type of gen. func.: revogf

$$\frac{-4 x - 1 + (40 x^{2} + 32 x + 1)^{1/2}}{12 (x + 1)}$$

Sequence: A138041
Score: 14.5200
Type of gen. func.: lgdogf

$$- \frac{2 (18 x^{2} + 6 x + 5)}{(6 x + 1) (6 x^{2} + 4 x - 1)}$$

Sequence: A138041
Score: 6.64896
Type of gen. func.: ogf

$$(13 f(x) + 12) (6 f(x) x^{2} + 4 f(x) x - f(x) + 6 x + 1)$$

Sequence: A138041
Score: 6.96939
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) - 6 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A138053
Score: 4.16396
Type of gen. func.: ogf

$$- \frac{x (19440 x^{4} + 2160 x^{3} - 2304 x^{2} - 150 x + 55)}{(6 x - 1) (15 x - 1) (3 x + 1) (6 x + 1) (12 x^{2} - 1)}$$

Sequence: A138055
Score: 7.93034
Type of gen. func.: ogf

$$5 x^{6} + 4 x^{5} - 3 x^{4} + 6 x^{3} + 3 x^{2} + 2 x + 1$$

$$-\frac{}{(x - 1)\,(x^{2} + 1)\,(x^{4} + 1)}$$

Sequence: A138100
Score: 7.58531
Type of gen. func.: ogf

$$-\frac{18\,x^{29} - 18\,x^{28} + 8\,x^{11} - 8\,x^{10} + 2\,x^{3} - 2\,x^{2} - 1}{(x - 1)^{2}}$$

Sequence: A138101
Score: 8.18868
Type of gen. func.: ogf

$$-\frac{32\,x^{29} - 32\,x^{28} + 18\,x^{11} - 18\,x^{10} + 8\,x^{3} - 8\,x^{2} + 2\,x - 3}{(x - 1)^{2}}$$

Sequence: A138102
Score: 11.6118
Type of gen. func.: ogf

$$- 2\,(x^{2} + 1)\,(7\,x^{26} - 7\,x^{24} + 7\,x^{22} - 7\,x^{20} + 7\,x^{18} - 7\,x^{16} + 7\,x^{14} - 7\,x^{12}$$

$$+ 7\,x^{10} - 2\,x^{8} + 2\,x^{6} - 2\,x^{4} + 2\,x^{2} + 1)/(x - 1)$$

Sequence: A138110
Score: 4.86609
Type of gen. func.: ogf

$$-\frac{x^{3}\,(x - 1)\,(x^{14} + x^{12} + 2\,x^{10} - x^{9} + x^{8} - 2\,x^{5} + x^{4} + 1)}{x^{20} - 2\,x^{15} + 4\,x^{10} - 3\,x^{5} + 1}$$

Sequence: A138112
Score: 14.5693
Type of gen. func.: ogf

$$\frac{x^3}{x^4 - 2x^3 + 4x^2 - 3x + 1}$$

Sequence: A138112
Score: 17.3070
Type of gen. func.: lgdogf

$$-\frac{(2x - 1)(2x^2 - 2x + 3)}{x^4 - 2x^3 + 4x^2 - 3x + 1}$$

Sequence: A138112
Score: 7.21106
Type of gen. func.: ogf

$$f(x)\,x^4 - 2 f(x)\,x^3 + 4 f(x)\,x^2 - x^3 - 3 f(x)\,x + f(x)$$

Sequence: A138118
Score: 3.45388
Type of gen. func.: ogf

$$(122222221 f(x) + 295848200)(10000 f(x)\,x^2 - 1010 f(x)\,x + f(x) - 1000x - 10)$$

Sequence: A138118
Score: 6.51077
Type of gen. func.: lgdogf

$$-\frac{10(100000x^2 + 2000x - 111)}{(100x + 1)(1000x - 1)(10x - 1)}$$

Sequence: A138118
Score: 7.40441
Type of gen. func.: revogf

```
                                             2              1/2
```

$$-\frac{-1 - 101 x + (9801 x + 242 x + 1)}{200 (10 x - 1)}$$

Sequence: A138119
Score: 3.94729
Type of gen. func.: ogf

$$(11111 f(x) + 35300) (100000 f(x) x^{2} - 1100 f(x) x + f(x) - 10)$$

Sequence: A138119
Score: 8.20923
Type of gen. func.: revogf

$$-\frac{-1 - 110 x + (8100 x^{2} + 220 x + 1)^{1/2}}{20000 x}$$

Sequence: A138119
Score: 9.93749
Type of gen. func.: lgdogf

$$-\frac{100 (-11 + 2000 x)}{(1000 x - 1) (100 x - 1)}$$

Sequence: A138123
Score: 8.02968
Type of gen. func.: lgdogf

$$-\frac{2 x^{11} + 9 x^{8} + 8 x^{7} + 10 x^{6} + 8 x^{5} + 11 x^{4} + 2 x^{3} - 2 x^{2} + 6 x + 1}{(x + 1) (x^{2} - x + 1) (x^{5} + 2 x^{2} + x + 1) (x^{4} + x^{2} - 1)}$$

Sequence: A138123
Score: 8.55671
Type of gen. func.: ogf

$$-\frac{x^{5} + 2 x^{2} + x + 1}{{}^{2} \qquad {}^{4} \quad {}^{2}}$$

$$(x + 1) (x - x + 1) (x + x - 1)$$

Sequence: A138127
Score: 11.993
Type of gen. func.: ogf

$$-f(x) x^{2} + 2 f(x) x - f(x) + 127 x$$

Sequence: A138127
Score: 18.7583
Type of gen. func.: ogf

$$\frac{127 x}{(x - 1)^{2}}$$

Sequence: A138127
Score: 21.8313
Type of gen. func.: revogf

$$\frac{508 x}{(127 + (16129 + 508 x)^{1/2})^{2}}$$

Sequence: A138127
Score: 55.9007
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A138127
Score: 8.81413
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 127\}$$

Sequence: A138127
Score: 90.0541
Type of gen. func.: lgdogf

$$-\frac{2}{x - 1}$$

Sequence: A138128
Score: 17.3944
Type of gen. func.: ogf

$$-\frac{1}{127 x - 1}$$

Sequence: A138128
Score: 22.9489
Type of gen. func.: revegf]

$$1/127 \ln(1 + 127 x)$$

Sequence: A138128
Score: 26.0087
Type of gen. func.: lgdogf

$$-\frac{127}{127 x - 1}$$

Sequence: A138128
Score: 7.40872
Type of gen. func.: ogf

$$\{a(n + 1) - 127 a(n), a(0) = 1\}$$

Sequence: A138128
Score: 9.30395
Type of gen. func.: ogf

$$-127 f(x) x + f(x) - 1$$

Sequence: A138129
Score: 11.2047

Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 1729 x$$

Sequence: A138129
Score: 17.3673
Type of gen. func.: ogf

$$\frac{1729 x}{(x - 1)^2}$$

Sequence: A138129
Score: 18.0030
Type of gen. func.: revogf

$$\frac{6916 x}{(1729 + (2989441 + 6916 x)^{1/2})^2}$$

Sequence: A138129
Score: 52.9855
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A138129
Score: 8.27015
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 1729\}$$

Sequence: A138129
Score: 85.5142
Type of gen. func.: lgdogf

$$- \frac{2}{x - 1}$$

Sequence: A138130
Score: 13.2717
Type of gen. func.: ogf

$$-1729 f(x) x + f(x) - 1$$

Sequence: A138130
Score: 19.3902
Type of gen. func.: revegf]

$$1/1729 \ln(1 + 1729 x)$$

Sequence: A138130
Score: 21.6714
Type of gen. func.: lgdogf

$$-\frac{1729}{-1 + 1729 x}$$

Sequence: A138134
Score: 12.8428
Type of gen. func.: ogf

$$\frac{5 x}{(x - 1) (x^2 + 11 x - 1)}$$

Sequence: A138134
Score: 16.5216
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 20 x - 12}{(x - 1) (x^2 + 11 x - 1)}$$

Sequence: A138134
Score: 5.29482
Type of gen. func.: ogf

$$\{a(n + 3) - 12 a(n + 2) + 10 a(n + 1) + a(n), a(0) = 0, a(1) = 5, a(2) = 60\}$$

Sequence: A138134
Score: 5.48736
Type of gen. func.: ogf

$$-(1241 f(x) + 100) (f(x) x^3 + 10 f(x) x^2 - 12 f(x) x + f(x) - 5 x)$$

Sequence: A138144
Score: 10.4708
Type of gen. func.: ogf

$$-\frac{(10 x^2 - 1) (10 x^2 + 1)}{(10 x - 1) (x - 1)}$$

Sequence: A138144
Score: 4.02138
Type of gen. func.: ogf

$$\{10 a(n + 1) + a(n + 3) - 11 a(n + 2), a(0) = 1, a(1) = 11, a(2) = 111, a(3) = 1111, a(4) = 11011\}$$

Sequence: A138144
Score: 5.49457
Type of gen. func.: ogf

$$-(243 f(x) + 242) (100 x^4 + 10 f(x) x^2 - 11 f(x) x + f(x) - 1)$$

Sequence: A138144
Score: 7.44369
Type of gen. func.: lgdogf

$$\frac{2000 x^5 - 3300 x^4 + 400 x^3 + 20 x - 11}{(x - 1) (10 x - 1) (10 x^2 - 1) (10 x^2 + 1)}$$

Sequence: A138145
Score: 10.2769
Type of gen. func.: ogf

$$-\frac{(10 x^2 - 1) (100 x^4 + 10 x^2 + 1)}{(10 x - 1) (x - 1)}$$

Sequence: A138145
Score: 3.20781
Type of gen. func.: ogf

{10 a(n + 1) + a(n + 3) - 11 a(n + 2), a(0) = 1, a(1) = 11, a(2) = 111,

a(3) = 1111, a(4) = 11111, a(5) = 111111, a(6) = 1110111}

Sequence: A138145
Score: 6.46892
Type of gen. func.: lgdogf

$$\frac{40000 x^7 - 55000 x^6 + 6000 x^5 + 20 x - 11}{(x - 1) (10 x - 1) (10 x^2 - 1) (100 x^4 + 10 x^2 + 1)}$$

Sequence: A138146
Score: 5.41234
Type of gen. func.: ogf

$$-\frac{(10 x + 1) (10 x - 1) (100 x^2 + 10 x + 1)}{(100 x - 1) (x - 1)}$$

Sequence: A138147
Score: 10.3745
Type of gen. func.: revogf

$$-\frac{-1 - 11 x + (81 x^2 + 22 x + 1)^{1/2}}{200 x}$$

Sequence: A138147
Score: 12.2053
Type of gen. func.: lgdogf

$$-\frac{10\,(-11 + 200\,x)}{(100\,x - 1)\,(10\,x - 1)}$$

Sequence: A138147
Score: 15.3607
Type of gen. func.: ogf

$$\frac{10}{(100\,x - 1)\,(10\,x - 1)}$$

Sequence: A138147
Score: 6.30596
Type of gen. func.: ogf

$$(11111\,f(x) + 35300)\,(1000\,f(x)\,x^{2} - 110\,f(x)\,x + f(x) - 10)$$

Sequence: A138147
Score: 6.58315
Type of gen. func.: ogf

$$\{-a(n + 2) + 110\,a(n + 1) - 1000\,a(n),\ a(0) = 10,\ a(1) = 1100\}$$

Sequence: A138148
Score: 3.14093
Type of gen. func.: ogf

$$\{a(n + 3) - 111\,a(n + 2) + 1110\,a(n + 1) - 1000\,a(n),\ a(0) = 0,\ a(1) = 101,\ a(2) = 11011\}$$

Sequence: A138148
Score: 4.55103
Type of gen. func.: ogf

$$(72159140862171\,f(x) - 2156365542200)\,(1000\,f(x)\,x^{3} - 1110\,f(x)\,x^{2} + 111\,f(x)\,x - 200\,x^{2} - f(x) + 101\,x)$$

Sequence: A138148
Score: 5.69009
Type of gen. func.: ogf

$$\frac{x (200 x - 101)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A138156
Score: 3.39534
Type of gen. func.: ogf

$$\{(-16 n^2 - 88 n - 120) a(n + 1) + (8 n^2 + 50 n + 70) a(n + 2) + (-n^2 - 7 n - 10) a(n + 3), a(0) = 0, a(1) = 2, a(2) = 14\}$$

Sequence: A138156
Score: 5.2979
Type of gen. func.: ogf

$$16 f(x)^2 x^4 - 8 f(x)^2 x^3 + f(x)^2 x^2 - 24 f(x) x^2 + 14 f(x) x - 2 f(x) + 4 x$$

Sequence: A138164
Score: 6.44608
Type of gen. func.: ogf

$$f(x)^3 x^2 - 3 f(x)^3 x + f(x)^3 + 3 f(x)^2 x - f(x)^2 - f(x) + 1$$

Sequence: A138175
Score: 8.12163
Type of gen. func.: ogf

$$8 f(x)^3 x - 3 f(x)^3 + f(x)^2 + 3 f(x) - 1$$

Sequence: A138179
Score: 7.80840

Type of gen. func.: ogf

$$-\frac{x^4 - 2x^3 - 4x^2 - 6x - 1}{(x + 1)^2 (x - 1)^4}$$

Sequence: A138179
Score: 8.05207
Type of gen. func.: lgdogf

$$-\frac{2 (4x^6 - 7x^5 - 10x^4 + 24x^3 + 2x^2 - 37x - 24)}{(x - 1) (x + 1) (8x^5 - 15x^4 - 10x^3 + 32x^2 - 6x - 21)}$$

Sequence: A138187
Score: 14.5233
Type of gen. func.: lgdogf

$$-\frac{x^4 + 3x^3 + 3x^2 - 6x - 4}{(x^2 + x + 1) (x^3 + 2x^2 + 2x - 1)}$$

Sequence: A138187
Score: 4.92467
Type of gen. func.: ogf

$-(24 f(x) - 55)$

$$(f(x) x^4 + 2 f(x) x^3 + 3 f(x) x^2 + x^3 + 2 f(x) x + 2x^2 + f(x) + 2x - 1)$$

Sequence: A138187
Score: 9.14579
Type of gen. func.: ogf

$$-\frac{x^3 + 2x^2 + 2x - 1}{(x^2 + x + 1)^2}$$

Sequence: A138188
Score: 10.7755
Type of gen. func.: lgdogf

$$-\frac{2x^5+5x^4+5x^3-6x^2+3x+3}{(x-1)(x^2+x+1)(x^3+2x^2+2x-1)}$$

Sequence: A138188
Score: 6.62575
Type of gen. func.: ogf

$$\frac{x^3+2x^2+2x-1}{(x-1)(x^2+x+1)^2}$$

Sequence: A138189
Score: 11.6719
Type of gen. func.: lgdogf

$$-\frac{3x^5+8x^4+10x^3-3x^2+4x+2}{(x-1)(x^2+x+1)(x^3+2x^2+2x-1)}$$

Sequence: A138189
Score: 9.76343
Type of gen. func.: ogf

$$-\frac{x^3+2x^2+2x-1}{(x-1)^2(x^2+x+1)^2}$$

Sequence: A138190
Score: 4.64283
Type of gen. func.: ogf

$$x(x^{12}+2x^{11}+5x^{10}+10x^9+31x^8+20x^7+22x^6+20x^5+31x^4+10x^3+5x^2+2x+1) / ((x-1)^4(x+1)^4(x^2+1)^4)$$

/

Sequence: A138191
Score: 11.8011
Type of gen. func.: ogf

$$(6 f(x) - 17) (f(x) x^4 + x^3 + x^2 - f(x) + 2 x + 1)$$

Sequence: A138191
Score: 13.5094
Type of gen. func.: lgdogf

$$- \frac{x^6 + 2 x^5 + 6 x^4 + 4 x^3 + 3 x^2 + 2 x + 2}{(x - 1) (x + 1) (x^2 + 1) (x^3 + x^2 + 2 x + 1)}$$

Sequence: A138191
Score: 17.3911
Type of gen. func.: ogf

$$- \frac{x^3 + x^2 + 2 x + 1}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A138199
Score: 12.3986
Type of gen. func.: ogf

$$- \frac{17 (42 x - 1)}{(196 x - 1) (9 x - 1)}$$

Sequence: A138199
Score: 6.25834
Type of gen. func.: ogf

$$-(29887 f(x) - 56406) (1764 f(x) x^2 - 205 f(x) x + f(x) + 714 x - 17)$$

Sequence: A138199
Score: 7.22116
Type of gen. func.: ogf

$$\{a(n + 2) - 205 a(n + 1) + 1764 a(n), a(0) = 17, a(1) = 2771\}$$

Sequence: A138200
Score: 4.19023
Type of gen. func.: ogf

$$-(29887 f(x) - 3318) (1764 f(x) x^2 - 205 f(x) x + f(x) + 42 x - 1)$$

Sequence: A138200
Score: 4.80230
Type of gen. func.: ogf

$$\{a(n + 2) - 205 a(n + 1) + 1764 a(n), a(0) = 1, a(1) = 163\}$$

Sequence: A138200
Score: 8.18559
Type of gen. func.: revogf

$$-\frac{-1 - 205 x + (34969 x^2 + 242 x + 1)^{1/2}}{84 (1 + 42 x)}$$

Sequence: A138200
Score: 8.34930
Type of gen. func.: lgdogf

$$-\frac{74088 x^2 - 3528 x + 163}{(196 x - 1) (42 x - 1) (9 x - 1)}$$

Sequence: A138200
Score: 8.38049
Type of gen. func.: ogf

$$-\frac{42 x - 1}{\qquad}$$

$$(196 x - 1) (9 x - 1)$$

Sequence: A138219
Score: 4.20159
Type of gen. func.: ogf

$$- \frac{2 x (x^4 - 2 x^3 - 2 x^2 + x + 1)}{(2 x^2 - 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A138229
Score: 12.7439
Type of gen. func.: ogf

$$- \frac{x - 1}{6 x^2 - 2 x + 1}$$

Sequence: A138229
Score: 6.66832
Type of gen. func.: ogf

$$(10 f(x) - 9) (6 f(x) x^2 - 2 f(x) x + f(x) + x - 1)$$

Sequence: A138229
Score: 6.99361
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + 6 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A138230
Score: 12.2023
Type of gen. func.: ogf

$$-4 f(x) x^2 + 2 f(x) x - f(x) - x + 1$$

Sequence: A138230

Score: 12.2719
Type of gen. func.: ogf

$$-\frac{x - 1}{4 x^2 - 2 x + 1}$$

Sequence: A138230
Score: 17.3317
Type of gen. func.: lgdogf

$$-\frac{4 x^2 - 8 x + 1}{(x - 1) (4 x^2 - 2 x + 1)}$$

Sequence: A138230
Score: 6.73460
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A138231
Score: 11.8316
Type of gen. func.: ogf

$$-\frac{x (x^2 - x - 1)}{2 x^4 - 2 x^2 + 1}$$

Sequence: A138231
Score: 14.6932
Type of gen. func.: lgdogf

$$-\frac{4 x^5 - 6 x^4 - 8 x^3 + 2 x^2 + 2 x + 1}{(x^2 - x - 1) (2 x^4 - 2 x^2 + 1)}$$

Sequence: A138231
Score: 7.36453

Type of gen. func.: ogf

$$(4 f(x) - 15) (2 f(x) x^4 - 2 f(x) x^2 + x^3 - x^2 + f(x) - x)$$

Sequence: A138232
Score: 10.3046
Type of gen. func.: ogf

$$-2 f(x) x^4 + 2 f(x) x^2 + x^3 - 2 x^2 - f(x) + 1$$

Sequence: A138232
Score: 12.6696
Type of gen. func.: ogf

$$\frac{(x - 1) (x^2 - x - 1)}{2 x^4 - 2 x^2 + 1}$$

Sequence: A138232
Score: 14.7196
Type of gen. func.: lgdogf

$$- \frac{x^2 (2 x^4 - 8 x^3 + 2 x^2 + 8 x - 3)}{(x - 1) (x^2 - x - 1) (2 x^4 - 2 x^2 + 1)}$$

Sequence: A138233
Score: 12.5139
Type of gen. func.: ogf

$$- \frac{5 (6 x - 1)}{(9 x - 1) (-1 + 4 x)}$$

Sequence: A138233
Score: 12.8019
Type of gen. func.: revogf

```
                         2              1/2
```

```
                     -5 - 13 x + (25 x  + 10 x + 25)
                   - ---------------------------------
                                12 (5 + 6 x)
```

Sequence: A138233
Score: 14.3631
Type of gen. func.: lgdogf

```
                                      2
                                 216 x  - 72 x + 7
                     - ------------------------------
                       (6 x - 1) (-1 + 4 x) (9 x - 1)
```

Sequence: A138233
Score: 6.3228
Type of gen. func.: ogf

```
                                      2
  -(19 f(x) + 150) (36 f(x) x  - 13 f(x) x + f(x) + 30 x - 5)
```

Sequence: A138233
Score: 7.06666
Type of gen. func.: ogf

```
    {a(n + 2) - 13 a(n + 1) + 36 a(n), a(0) = 5, a(1) = 35}
```

Sequence: A138238
Score: 3.71779
Type of gen. func.: ogf

```
{a(n + 4) + 2 a(n + 3) - 9 a(n + 2) - 2 a(n + 1) + 8 a(n), a(0) = 0, a(1) = 1,

    a(2) = 0, a(3) = 9}
```

Sequence: A138238
Score: 4.09836
Type of gen. func.: ogf

```
                          4            3            2                  2
(823 f(x) - 8) (8 f(x) x  - 2 f(x) x  - 9 f(x) x  + 2 f(x) x - 2 x  + f(x) - x)
```

Sequence: A138238

Score: 8.00755
Type of gen. func.: ogf

$$\frac{x (2 x + 1)}{(x - 1) (2 x - 1) (4 x + 1) (x + 1)}$$

Sequence: A138238
Score: 8.94386
Type of gen. func.: lgdogf

$$- \frac{6 x (8 x^3 + 4 x^2 - 4 x - 3)}{(x - 1) (2 x + 1) (2 x - 1) (4 x + 1) (x + 1)}$$

Sequence: A138240
Score: 23.0072
Type of gen. func.: revogf

$$\frac{x (2 x - 1)}{8 x^2 - 4 x - 1}$$

Sequence: A138240
Score: 4.71102
Type of gen. func.: ogf

$$\{-48 n a(n) + (16 n + 12) a(n + 1) + (-n - 2) a(n + 2), a(0) = 0, a(1) = 1\}$$

Sequence: A138240
Score: 8.0023
Type of gen. func.: ogf

$$8 f(x)^2 x - 2 f(x)^2 - 4 f(x) x + f(x) - x$$

Sequence: A138251
Score: 5.13258
Type of gen. func.: ogf

$$(x^2 + 1) (x^{13} + x^{12} + x^{10} + x^9 + x^8 + x^6 + x^5 + x^4 + x^2 + x + 1) \Big/ ($$

$$(x^2 + x + 1)\ (x^4 + x^3 + x^2 + x + 1)\ (x^8 - x^7 + x^5 - x^4 + x^3 - x + 1)$$

$$(x - 1)^2\ )$$

Sequence: A138268
Score: 3.82242
Type of gen. func.: ogf

$$-(247\ f(x) + 15)$$

$$(f(x)\ x^4 + 3\ f(x)\ x^3 + 8\ f(x)\ x^2 - x^3 + 3\ f(x)\ x - 3\ x^2 + f(x) - 7\ x - 1)$$

Sequence: A138268
Score: 6.78680
Type of gen. func.: lgdogf

$$-\frac{x^6 + 6\ x^5 + 22\ x^4 + 40\ x^3 + 53\ x^2 + 10\ x - 4}{(x^3 + 3\ x^2 + 7\ x + 1)\ (x^4 + 3\ x^3 + 8\ x^2 + 3\ x + 1)}$$

Sequence: A138268
Score: 7.14842
Type of gen. func.: ogf

$$\frac{x^3 + 3\ x^2 + 7\ x + 1}{x^4 + 3\ x^3 + 8\ x^2 + 3\ x + 1}$$

Sequence: A138269
Score: 4.05419
Type of gen. func.: ogf

$$-(4121\ f(x) + 186)$$

$$(f(x)\ x^4 - 5\ f(x)\ x^3 + 4\ f(x)\ x^2 - 5\ f(x)\ x - x^2 + f(x) + 2\ x - 1)$$

Sequence: A138269
Score: 8.10838

Type of gen. func.: ogf

$$\frac{(x-1)^2}{x^4 - 5x^3 + 4x^2 - 5x + 1}$$

Sequence: A138269
Score: 9.59849
Type of gen. func.: lgdogf

$$-\frac{2x^4 - 9x^3 + 15x^2 - 3x + 3}{(x-1)(x^4 - 5x^3 + 4x^2 - 5x + 1)}$$

Sequence: A138278
Score: 11.0306
Type of gen. func.: ogf

$$-\frac{4x^5 + 6x^4 + 3x^3 + 4x^2 + 2x + 1}{5x^3 - 1}$$

Sequence: A138278
Score: 8.13368
Type of gen. func.: ogf

$$(2 f(x) - 1)(4x^5 + 5 f(x) x^3 + 6x^4 + 3x^3 + 4x^2 - f(x) + 2x + 1)$$

Sequence: A138278
Score: 9.08956
Type of gen. func.: lgdogf

$$\frac{2(20x^7 + 15x^6 - 20x^4 - 22x^3 - 12x^2 - 4x - 1)}{(5x^3 - 1)(4x^5 + 6x^4 + 3x^3 + 4x^2 + 2x + 1)}$$

Sequence: A138279

Score: 11.2327
Type of gen. func.: ogf

$$-\frac{x\,(5x^4+5x^3+2x^2+x+1)}{(x-1)(x+1)(x^2+1)}$$

Sequence: A138279
Score: 9.06778
Type of gen. func.: lgdogf

$$-\frac{5x^6+4x^5+3x^4+24x^3+15x^2+4x+1}{(x-1)(x+1)(x^2+1)(5x^4+5x^3+2x^2+x+1)}$$

Sequence: A138287
Score: 6.16248
Type of gen. func.: ogf

$$-\frac{2x\,(x^6+3x^5-x^4+4x^3-x^2+3x+1)}{(x-1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)}$$

Sequence: A138288
Score: 12.4178
Type of gen. func.: ogf

$$-\frac{x-1}{x^2-10x+1}$$

Sequence: A138288
Score: 13.3201
Type of gen. func.: revogf

$$-\frac{-10x-1+(96x^2+16x+1)^{1/2}}{2(x+1)}$$

Sequence: A138288
Score: 18.0466
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x + 9}{(x - 1) (x^2 - 10 x + 1)}$$

Sequence: A138288
Score: 6.27716
Type of gen. func.: ogf

$$-(88 f(x) - 7) (f(x) x^2 - 10 f(x) x + f(x) + x - 1)$$

Sequence: A138288
Score: 6.88218
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A138289
Score: 4.93973
Type of gen. func.: ogf

$$-(26749 f(x) + 65562) (f(x) x^4 + 4 x^3 + f(x) x + 3 x^2 - f(x) + 2 x + 1)$$

Sequence: A138289
Score: 9.15066
Type of gen. func.: ogf

$$-\frac{4 x^3 + 3 x^2 + 2 x + 1}{x^4 + x - 1}$$

Sequence: A138298
Score: 10.0143
Type of gen. func.: ogf

$$\frac{x\,(x^2 - 10\,x - 2)}{x^4 + 11\,x^2 - 1}$$

Sequence: A138298
Score: 5.89626
Type of gen. func.: ogf

$$(16340\,f(x) + 14937)\,(f(x)\,x^4 + 11\,f(x)\,x^2 - x^3 + 10\,x^2 - f(x) + 2\,x)$$

Sequence: A138298
Score: 9.70693
Type of gen. func.: lgdogf

$$-\frac{2\,(x^5 - 15\,x^4 - 4\,x^3 - 55\,x^2 - 21\,x - 5)}{(x^2 - 10\,x - 2)\,(x^4 + 11\,x^2 - 1)}$$

Sequence: A138322
Score: 12.3654
Type of gen. func.: ogf

$$-\frac{10\,x + 1}{10\,x^2 + 5\,x - 1}$$

Sequence: A138322
Score: 13.8827
Type of gen. func.: lgdogf

$$-\frac{5\,(20\,x^2 + 4\,x + 3)}{(10\,x + 1)\,(10\,x^2 + 5\,x - 1)}$$

Sequence: A138322
Score: 13.8827
Type of gen. func.: revogf

$$\frac{-5 x - 1 + (65 x^{2} + 50 x + 1)^{1/2}}{20 (x + 1)}$$

Sequence: A138322
Score: 6.05388
Type of gen. func.: ogf

$$-(379 f(x) + 1646) (10 f(x) x^{2} + 5 f(x) x - f(x) + 10 x + 1)$$

Sequence: A138322
Score: 6.91871
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 15\}$$

Sequence: A138326
Score: 4.12653
Type of gen. func.: ogf

$$(2 x^{18} + 7 x^{17} - 13 x^{16} + 2 x^{15} - x^{14} + 5 x^{13} - 12 x^{12} + 16 x^{11} - 16 x^{10} + 15 x^{9} - 8 x^{8} + 2 x^{7} - 2 x^{6} + 2 x^{5} - x^{4} + x^{3} - x^{2} + x - 1) / (x - 1)^{3}$$

Sequence: A138331
Score: 32.3554
Type of gen. func.: lgdogf

$$- \frac{2 (-4 + 3 x)}{(x - 1) (x + 1)}$$

Sequence: A138331
Score: 33.3220
Type of gen. func.: ogf_with_Euler_transform]

$$[-8 + 7 x]$$

Sequence: A138331
Score: 5.08729
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 3) - 8 a(n + 2) + (7 + n) a(n + 1), a(0) = -16, a(1) = 128, a(2) = -560\}$$

Sequence: A138331
Score: 7.77069
Type of gen. func.: ogf

$$\frac{16 (x - 1)}{(x + 1)^7}$$

Sequence: A138332
Score: 29.7581
Type of gen. func.: ogf_with_Euler_transform]

$$[-10 + 9 x]$$

Sequence: A138332
Score: 30.0895
Type of gen. func.: lgdogf

$$- \frac{2 (-5 + 4 x)}{(x - 1) (x + 1)}$$

Sequence: A138332
Score: 4.70276
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 3) - 10 a(n + 2) + (9 + n) a(n + 1), a(0) = -64, a(1) = 640, a(2) = -3456\}$$

Sequence: A138332
Score: 5.97377
Type of gen. func.: ogf

$$64 (x - 1)$$

```
                                ----------
                                        9
                                 (x + 1)



--------------------------------------------------------------------------------

Sequence:  A138333
Score: 28.6257
Type of gen. func.: ogf_with_Euler_transform]


                               [-12 + 11 x]



--------------------------------------------------------------------------------

Sequence:  A138333
Score: 30.1280
Type of gen. func.: lgdogf


                                 2 (5 x - 6)
                             - ---------------
                               (x - 1) (x + 1)



--------------------------------------------------------------------------------

Sequence:  A138333
Score: 4.60592
Type of gen. func.: ogf


{(-n - 3) a(n + 3) - 12 a(n + 2) + (11 + n) a(n + 1), a(0) = -256, a(1) = 3072,

    a(2) = -19712}



--------------------------------------------------------------------------------

Sequence:  A138333
Score: 4.80474
Type of gen. func.: ogf


                               256 (x - 1)
                               -----------
                                       11
                                (x + 1)



--------------------------------------------------------------------------------

Sequence:  A138334
Score: 25.4758
Type of gen. func.: ogf_with_Euler_transform]


                               [-14 + 13 x]



--------------------------------------------------------------------------------

Sequence:  A138334
```

Score: 26.7011
Type of gen. func.: lgdogf

$$-\frac{2(-7+6x)}{(x-1)(x+1)}$$

Sequence: A138334
Score: 4.02804
Type of gen. func.: ogf

{(-n - 3) a(n + 3) - 14 a(n + 2) + (13 + n) a(n + 1), a(0) = -1024,

a(1) = 14336, a(2) = -106496}

Sequence: A138340
Score: 13.1554
Type of gen. func.: ogf

$$-\frac{8x-1}{16x^2-4x+1}$$

Sequence: A138340
Score: 14.3235
Type of gen. func.: revogf

$$-\frac{-1-4x+(-48x^2-24x+1)^{1/2}}{16(2x+1)}$$

Sequence: A138340
Score: 15.3715
Type of gen. func.: lgdogf

$$-\frac{4(32x^2-8x-1)}{(8x-1)(16x^2-4x+1)}$$

Sequence: A138340
Score: 6.72389
Type of gen. func.: ogf

$$-(3 f(x) - 2) (16 f(x) x^2 - 4 f(x) x + f(x) + 8 x - 1)$$

Sequence: A138340
Score: 7.29096
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 16 a(n), a(0) = 1, a(1) = -4\}$$

Sequence: A138341
Score: 13.8925
Type of gen. func.: lgdogf

$$-\frac{x^4 + x^3 + 9 x^2 - 8 x - 2}{(x^2 - x + 1) (x^3 + 4 x - 1)}$$

Sequence: A138341
Score: 5.32832
Type of gen. func.: ogf

$$(504 f(x) + 2495)$$

$$(f(x) x^4 - 2 f(x) x^3 + 3 f(x) x^2 + x^3 - 2 f(x) x + f(x) + 4 x - 1)$$

Sequence: A138341
Score: 7.80668
Type of gen. func.: ogf

$$-\frac{x^3 + 4 x - 1}{(x^2 - x + 1)^2}$$

Sequence: A138349
Score: 4.83242
Type of gen. func.: ogf

$$\{(16 n^2 + 96 n + 128) a(n + 1) + (-n^2 - 16 n - 63) a(n + 3), a(0) = 1, a(1) = 0,$$

a(2) = 1}

Sequence: A138357
Score: 5.04828
Type of gen. func.: ogf

$$\frac{x (x^9 - 2 x^8 + 2 x^7 + 3 x^6 + 4 x^5 + 4 x^4 + 4 x^3 + 4 x^2 + 3 x + 1)}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^4}$$

Sequence: A138364
Score: 5.72357
Type of gen. func.: ogf

{(-4 n - 12) a(n + 1) + (n + 4) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 0}

Sequence: A138364
Score: 8.54818
Type of gen. func.: ogf

$$-4 f(x)^2 x^3 + f(x)^2 x - 4 f(x) x^2 + f(x) - x$$

Sequence: A138365
Score: 14.9508
Type of gen. func.: ogf

$$-\frac{x - 10}{(x + 1) (x^2 - 11 x + 1)}$$

Sequence: A138365
Score: 6.91937
Type of gen. func.: ogf

$$(1694920599 f(x) + 9705970) (f(x) x^3 - 10 f(x) x^2 - 10 f(x) x + f(x) + x - 10)$$

Sequence: A138365
Score: 7.03566
Type of gen. func.: ogf

$$\{-a(n+3) + 10\,a(n+2) + 10\,a(n+1) - a(n),\ a(0) = 10,\ a(1) = 99,\ a(2) = 1090\}$$

Sequence: A138376
Score: 7.58980
Type of gen. func.: ogf

$$-\frac{x\,(8x^{11} + x^{10} + 5x^{9} - 4x^{7} - 4x^{5} - 4x^{3} - 3x - 1)}{(x^{4} + x^{3} + x^{2} + x + 1)\,(x^{4} - x^{3} + x^{2} - x + 1)\,(x^{2} + 1)\,(x - 1)^{2}\,(x + 1)^{2}}$$

Sequence: A138377
Score: 10.327
Type of gen. func.: ogf

$$-(4 f(x) - 1)\,(4 f(x)\,x^{4} - 2x^{3} - 3x^{2} + f(x) - x)$$

Sequence: A138377
Score: 13.3791
Type of gen. func.: lgdogf

$$-\frac{16x^{5} + 36x^{4} + 16x^{3} - 4x - 3}{(2x + 1)\,(x + 1)\,(2x^{2} + 2x + 1)\,(2x^{2} - 2x + 1)}$$

Sequence: A138377
Score: 16.1724
Type of gen. func.: ogf

$$\frac{x\,(x + 1)\,(2x + 1)}{(2x^{2} - 2x + 1)\,(2x^{2} + 2x + 1)}$$

Sequence: A138378
Score: 14.0976

Type of gen. func.: lgdegf]

$$-a(n) + (n + 1) a(n + 1), a(0) = 3, a(1) = 1$$

Sequence: A138380
Score: 12.7868
Type of gen. func.: ogf

$$-\frac{(x - 1) (2 x + 1) (x + 1)}{(2 x^2 - 2 x + 1) (2 x^2 + 2 x + 1)}$$

Sequence: A138380
Score: 8.34190
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^6 + 4 x^5 - 12 x^4 - 8 x^3 - 3 x^2 - x + 1)}{(x - 1) (2 x + 1) (x + 1) (2 x^2 + 2 x + 1) (2 x^2 - 2 x + 1)}$$

Sequence: A138380
Score: 8.37754
Type of gen. func.: ogf

$$-(f(x) - 1) (4 f(x) x^4 + 2 x^3 + x^2 + f(x) - 2 x - 1)$$

Sequence: A138382
Score: 12.9179
Type of gen. func.: ogf

$$-\frac{2 x^3 + x^2 + 3 x - 1}{(2 x^2 - 2 x + 1) (2 x^2 + 2 x + 1)}$$

Sequence: A138382
Score: 8.36728
Type of gen. func.: ogf

4   3   2

$$-(4 f(x) + 39) (4 f(x) x + 2 x + x + f(x) + 3 x - 1)$$

Sequence: A138382
Score: 9.19381
Type of gen. func.: lgdogf

$$-\frac{8 x^6 + 8 x^5 + 36 x^4 - 16 x^3 - 6 x^2 - 2 x - 3}{(2 x^2 + 2 x + 1) (2 x^2 - 2 x + 1) (2 x^3 + x^2 + 3 x - 1)}$$

Sequence: A138384
Score: 7.70479
Type of gen. func.: ogf

$$-\frac{5 x^9 - 3 x^8 + 2 x^7 - x^6 + x^5 + x^3 + x^2 + 2 x + 3}{(x^2 + x - 1) (x^4 + 2 x^3 + 4 x^2 + 3 x + 1) (x^4 - 3 x^3 + 4 x^2 - 2 x + 1)}$$

Sequence: A138395
Score: 21.3783
Type of gen. func.: ogf

$$\frac{1}{3 x^2 - 6 x + 1}$$

Sequence: A138395
Score: 8.39865
Type of gen. func.: ogf

$$(109 f(x) + 35) (3 f(x) x^2 - 6 f(x) x + f(x) - 1)$$

Sequence: A138395
Score: 8.60348
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A138413
Score: 4.07168
Type of gen. func.: ogf

$$\{(224 n^3 + 480 n^2 + 298 n + 48) a(n) + (-910 n^3 - 1971 n^2 - 1241 n - 198) a(n + 1) + (56 n^3 + 204 n^2 + 196 n + 24) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A138415
Score: 7.36753
Type of gen. func.: ogf

$$f(x)^2 x^3 - 4 f(x)^2 x^2 + 5 f(x)^2 x - f(x) x^2 - 2 f(x)^2 + f(x) - x$$

Sequence: A138461
Score: 4.37483
Type of gen. func.: ogf

$$-3 f(x)^2 x^3 - 8 f(x)^2 x^2 - 7 f(x)^2 x + 3 f(x) x^2 - 2 f(x)^2 + 4 f(x) x + f(x) - x$$

Sequence: A138463
Score: 7.27363
Type of gen. func.: revogf

$$\frac{x (x - 1) (2 x - 1)^2}{(x + 1) (x - 2)}$$

Sequence: A138473
Score: 10.1359
Type of gen. func.: ogf

$$-f(x) x^2 + 47 f(x) x - f(x) + 21 x$$

Sequence: A138473
Score: 15.8535
Type of gen. func.: ogf

$$\frac{21 x}{x^2 - 47 x + 1}$$

Sequence: A138473
Score: 22.8418
Type of gen. func.: lgdogf

$$-\frac{-47 + 2 x}{x^2 - 47 x + 1}$$

Sequence: A138473
Score: 7.44925
Type of gen. func.: ogf

$$\{a(n + 2) - 47 a(n + 1) + a(n), a(0) = 0, a(1) = 21\}$$

Sequence: A138473
Score: 8.47358
Type of gen. func.: revogf

$$-\frac{-47 x - 21 + (15 x + 7)^{1/2} (3 + 7 x)^{1/2} 3^{1/2} 7^{1/2}}{2 x}$$

Sequence: A138477
Score: 3.63377
Type of gen. func.: ogf

$$(f(x) - 1) (4 f(x) x^5 - 2 f(x) x^4 - 2 f(x) x^3 + f(x) x^2 - 2 f(x) x - x^2 + f(x))$$

Sequence: A138477
Score: 8.44679
Type of gen. func.: lgdogf

$$-\frac{2\,(10x^4 - 4x^3 - 3x^2 + x - 1)}{(x-1)(2x-1)(x+1)(2x^2+1)}$$

Sequence: A138477
Score: 8.86132
Type of gen. func.: ogf

$$\frac{x^2}{(x-1)(2x-1)(x+1)(2x^2+1)}$$

Sequence: A138495
Score: 8.97028
Type of gen. func.: ogf

$$-f(x)\,(4 f(x) x^4 + 2 f(x) x^3 + f(x) x - f(x) + x)$$

Sequence: A138501
Score: 14.2700
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{6x^3 + 4x^2 - 2x + 4}{-x^4 + 1}$$

Sequence: A138502
Score: 14.3742
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-6x^3 - 8x^2 - 2x - 8}{x^4 - 1}$$

Sequence: A138504
Score: 14.5749
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{6 x^3 - 4 x^2 + 14 x - 4}{-x^4 + 1}$$

Sequence: A138513
Score: 12.6486
Type of gen. func.: ogf

$$-\frac{5 x - 1}{5 x^2 - 8 x + 1}$$

Sequence: A138513
Score: 13.5904
Type of gen. func.: revogf

$$-\frac{-1 - 8 x + (44 x^2 - 4 x + 1)^{1/2}}{10 (x + 1)}$$

Sequence: A138513
Score: 14.6633
Type of gen. func.: lgdogf

$$-\frac{25 x^2 - 10 x + 3}{(5 x - 1) (5 x^2 - 8 x + 1)}$$

Sequence: A138513
Score: 6.12031
Type of gen. func.: ogf

$$-(316 f(x) - 235) (5 f(x) x^2 - 8 f(x) x + f(x) + 5 x - 1)$$

Sequence: A138513
Score: 6.94133
Type of gen. func.: ogf

Sequence: A138514
Score: 13.0369
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^3 - x^2 + 3 x - 1}{-x^4 + 1}$$

Sequence: A138515
Score: 14.1853
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4 x^3 + 2 x^2 - 6 x + 2}{x^4 - 1}$$

Sequence: A138516
Score: 15.6524
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^3 + 2 x^2 - 2 x + 2}{-x^5 - 1}$$

Sequence: A138518
Score: 8.34564
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4 x^8 - 2 x^7 - 4 x^6 - 2 x^5 - 2 x^3 - 4 x^2 - 2 x - 4}{x^{10} - 1}$$

Sequence: A138519
Score: 12.7493
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^3 - 2x^2 + 2x - 2}{-x^5 - 1}$$

Sequence: A138523
Score: 3.28191
Type of gen. func.: ogf

$$\{(4n^2 + 26n + 42)\,a(n+1) + (-4n^2 - 26n - 43)\,a(n+2) + a(n+3),$$

$$a(0) = 1,\ a(1) = 7,\ a(2) = 127\}$$

Sequence: A138524
Score: 2.87536
Type of gen. func.: ogf

$$\{(-4n^2 - 30n - 56)\,a(n+1) + (4n^2 + 30n + 57)\,a(n+2) - a(n+3),$$

$$a(0) = 2,\ a(1) = 26,\ a(2) = 746\}$$

Sequence: A138525
Score: 3.03066
Type of gen. func.: ogf

$$\{(4n^2 + 22n + 30)\,a(n+1) + (-4n^2 - 22n - 31)\,a(n+2) + a(n+3),$$

$$a(0) = 1,\ a(1) = 3,\ a(2) = 27\}$$

Sequence: A138527
Score: 8.73092
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^8 - x^7 - 2x^6 - x^5 - x^3 - 2x^2 - x - 2}{x^{10} - 1}$$

Sequence: A138531
Score: 9.52185
Type of gen. func.: ogf

$$-\frac{x^8+2x^7+3x^6+4x^5+5x^4+6x^3+7x^2+8x+9}{(x-1)(x^2+x+1)(x^6+x^3+1)}$$

Sequence: A138532

Score: 10.3449

Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^3+x^2-x+1}{-x^5-1}$$

Sequence: A138559

Score: 16.5398

Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^3+x^2-3x+1}{x^4-1}$$

Sequence: A138569

Score: 7.83327

Type of gen. func.: lgdogf

$$\frac{x(4x^9+6x^7-16x^6-12x^5+24x^4+5x^3-12x^2+2)}{(x-1)(2x^2-1)(2x^4-2x^2+1)(2x^5+x^4-2x^3-2x^2+x+1)}$$

Sequence: A138569

Score: 9.57540

Type of gen. func.: ogf

$$\frac{x(x-1)(2x^5+x^4-2x^3-2x^2+x+1)}{(2x^2-1)(2x^4-2x^2+1)}$$

Sequence: A138573
Score: 10.3554
Type of gen. func.: ogf

$$-\frac{x (x - 1) (x + 1)}{x^4 - 2 x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A138573
Score: 10.3611
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - x^4 - 2 x^3 + 4 x^2 + x + 1)}{(x - 1) (x + 1) (x^4 - 2 x^3 - 2 x^2 - 2 x + 1)}$$

Sequence: A138573
Score: 5.17773
Type of gen. func.: ogf

$$-(14 f(x) - 5) (f(x) x^4 - 2 f(x) x^3 - 2 f(x) x^2 + x^3 - 2 f(x) x + f(x) - x)$$

Sequence: A138574
Score: 5.859
Type of gen. func.: ogf

$$-f(x) (f(x) x^4 - 2 f(x) x^3 + x^4 - 2 f(x) x^2 - x^3 - 2 f(x) x - x^2 + f(x) - x)$$

Sequence: A138574
Score: 9.90967
Type of gen. func.: ogf

$$-\frac{x (x^3 - x^2 - x - 1)}{x^4 - 2 x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A138587
Score: 7.37751
Type of gen. func.: lgdogf

$$- \frac{4 x^{8} + 16 x^{7} + 24 x^{6} + 40 x^{5} + 49 x^{4} + 40 x^{3} + 25 x^{2} + 10 x + 2}{(x + 1) (x^{2} + 1) (2 x^{2} - 1) (2 x^{5} + 4 x^{4} + 5 x^{3} + 4 x^{2} + 3 x + 1)}$$

Sequence: A138587
Score: 8.04837
Type of gen. func.: ogf

$$- \frac{x (2 x^{5} + 4 x^{4} + 5 x^{3} + 4 x^{2} + 3 x + 1)}{(x + 1) (2 x^{2} - 1) (x^{2} + 1)}$$

Sequence: A138590
Score: 11.2760
Type of gen. func.: revogf

$$\frac{-38 x - 17 + (85 x^{2} + 76 x + 17)^{1/2} 17^{1/2}}{x}$$

Sequence: A138590
Score: 15.1373
Type of gen. func.: ogf

$$- \frac{34 x}{x^{2} + 76 x - 1}$$

Sequence: A138590
Score: 22.5520
Type of gen. func.: lgdogf

$$- \frac{2 (x + 38)}{x^{2} + 76 x - 1}$$

Sequence: A138590
Score: 7.11271

Type of gen. func.: ogf

$$\{-a(n+2) + 76\, a(n+1) + a(n),\ a(0) = 0,\ a(1) = 34\}$$

Sequence: A138590
Score: 9.67795
Type of gen. func.: ogf

$$-f(x)\, x^2 - 76\, f(x)\, x + f(x) - 34\, x$$

Sequence: A138614
Score: 10.1018
Type of gen. func.: ogf

$$\frac{(2x-1)(x^2-x-1)}{2x^4-2x^2+1}$$

Sequence: A138614
Score: 10.3413
Type of gen. func.: lgdogf

$$-\frac{4x^6-12x^5-2x^4+8x^3-4x^2+2x+1}{(2x-1)(x^2-x-1)(2x^4-2x^2+1)}$$

Sequence: A138614
Score: 6.25348
Type of gen. func.: ogf

$$(164\, f(x) - 385)(2\, f(x)\, x^4 - 2\, f(x)\, x^2 - 2x^3 + 3x^2 + f(x) + x - 1)$$

Sequence: A138619
Score: 4.12874
Type of gen. func.: ogf

$$\frac{8x^6-20x^5-4x^4+12x^3-9x^2+6x-1}{}$$

$$8 x^{8} - 20 x^{7} + 8 x^{6} + 12 x^{5} - 14 x^{4} + 26 x^{3} - 19 x^{2} + 8 x - 1$$

Sequence: A138635
Score: 8.55172
Type of gen. func.: ogf

$$- \frac{x^{2} (x^{6} - x^{5} + x^{4} - 2 x^{3} + x^{2} + 1)}{(2 x^{3} - 1) (x^{6} - x^{3} + 1)}$$

Sequence: A138653
Score: 10.4713
Type of gen. func.: ogf

$$- \frac{x^{3} + x^{2} - x + 1}{x^{4} + x^{3} - 3 x^{2} + 3 x - 1}$$

Sequence: A138653
Score: 7.01123
Type of gen. func.: ogf

$$f(x) x^{4} + f(x) x^{3} - 3 f(x) x^{2} + x^{3} + 3 f(x) x + x^{2} - f(x) - x + 1$$

Sequence: A138741
Score: 5.68460
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^{8} - 3 x^{7} + 4 x^{6} - x^{4} + x^{3} + 2 x^{2} - 4 x + 3}{-x^{9} - x^{6} - x^{3} - 1}$$

Sequence: A138745
Score: 4.97213
Type of gen. func.: ogf_with_Euler_transform]

$$-2 x^{11} - x^{10} + x^{9} - 2 x^{8} - 2 x^{7} - x^{6} - x^{4} - 2 x^{3} - 2 x^{2} + x - 1$$

$$-\frac{\qquad}{x^{12} - 1}$$

Sequence: A138747
Score: 10.4999
Type of gen. func.: ogf

$$-f(x)\, x^{4} + 2\, f(x)\, x^{3} - 3\, f(x)\, x^{2} - x^{3} + 4\, f(x)\, x - f(x) - 3\, x + 1$$

Sequence: A138747
Score: 16.2825
Type of gen. func.: ogf

$$-\frac{x^{3} + 3\, x - 1}{x^{4} - 2\, x^{3} + 3\, x^{2} - 4\, x + 1}$$

Sequence: A138747
Score: 16.5563
Type of gen. func.: lgdogf

$$-\frac{x^{6} + 6\, x^{4} - 8\, x^{3} + 12\, x^{2} - 6\, x + 1}{(x^{3} + 3\, x - 1)\, (x^{4} - 2\, x^{3} + 3\, x^{2} - 4\, x + 1)}$$

Sequence: A138749
Score: 15.2676
Type of gen. func.: ogf

$$-\frac{5\, x + 1}{5\, x^{2} - 2\, x + 1}$$

Sequence: A138749
Score: 17.6696
Type of gen. func.: revogf

$$-1 + 2\, x + (-16\, x^{2} - 24\, x + 1)^{1/2}$$

$$\frac{}{10 (x + 1)}$$

Sequence: A138749
Score: 18.5758
Type of gen. func.: lgdogf

$$- \frac{25 x^2 + 10 x - 7}{(5 x + 1) (5 x^2 - 2 x + 1)}$$

Sequence: A138749
Score: 7.6338
Type of gen. func.: ogf

$$-(4 f(x) - 45) (5 f(x) x^2 - 2 f(x) x + f(x) + 5 x + 1)$$

Sequence: A138749
Score: 8.37856
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - 5 a(n), a(0) = -1, a(1) = -7\}$$

Sequence: A138750
Score: 8.84551
Type of gen. func.: ogf

$$\frac{x (4 x^6 + 6 x^5 + 2 x^4 + 6 x^3 + 6 x^2 + x + 2)}{(x + 1) (x^2 - x + 1) (x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A138766
Score: 10.2594
Type of gen. func.: ogf

$$- \frac{x^3 + 2 x - 1}{x^4 + 4 x^2 - 4 x + 1}$$

```
------------------------------------------------------------------------------

Sequence:  A138766
Score: 11.0539
Type of gen. func.: lgdogf

                         6      4      3      2
                        x  + 2 x  + 4 x  + 5 x  - 8 x + 2
                     - ------------------------------------
                         3              4      2
                       (x  + 2 x - 1) (x  + 4 x  - 4 x + 1)


------------------------------------------------------------------------------

Sequence:  A138766
Score: 5.58768
Type of gen. func.: ogf

                           4            2    3
      (54 f(x) - 7) (f(x) x  + 4 f(x) x  + x  - 4 f(x) x + f(x) + 2 x - 1)


------------------------------------------------------------------------------

Sequence:  A138772
Score: 13.0691
Type of gen. func.: egf]

                                   x (x - 2)
                                   ----------
                                            3
                                   2 (x - 1)


------------------------------------------------------------------------------

Sequence:  A138772
Score: 35.0318
Type of gen. func.: lgdegf]

                                    -5 + 2 x
                               - ---------------
                                 (x - 1) (x - 2)


------------------------------------------------------------------------------

Sequence:  A138772
Score: 4.48760
Type of gen. func.: ogf

   2                         2
{(n  + 4 n + 4) a(n + 1) + (n  + 6 n + 10) a(n + 2) + (-n - 2) a(n + 3),

    a(0) = 0, a(1) = 1, a(2) = 5}


------------------------------------------------------------------------------
```

Sequence: A138772
Score: 7.52466
Type of gen. func.: egf]

$$f(x) (2 f(x) x^3 - 6 f(x) x^2 + 6 f(x) x - x^2 - 2 f(x) + 2 x)$$

Sequence: A138782
Score: 14.5321
Type of gen. func.: lgdegf]

$$- \frac{2 (x + 5) (2 x + 1)}{(x - 1) (2 x^2 + 6 x + 1)}$$

Sequence: A138782
Score: 3.10883
Type of gen. func.: ogf

$$\{(8 n^2 + 48 n + 72) a(n + 1) + (3 n^2 + 19 n + 56) a(n + 2)$$
$$+ (-3 n - 9) a(n + 3), a(0) = 1, a(1) = 10, a(2) = 72\}$$

Sequence: A138782
Score: 3.76563
Type of gen. func.: egf]

$$(6455295 f(x) + 28336709)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 2 x^2 + f(x) - 6 x - 1)$$

Sequence: A138782
Score: 7.74954
Type of gen. func.: egf]

$$\frac{2 x^2 + 6 x + 1}{(x - 1)^4}$$

Sequence: A138783

Score: 5.17129
Type of gen. func.: egf]

$$\frac{x\,(14\,x^3 + 74\,x^2 + 39\,x + 8)}{(x - 1)^6}$$

Sequence: A138783
Score: 9.52989
Type of gen. func.: lgdegf]

$$-\frac{42\,x^3 + 338\,x^2 + 343\,x + 87}{(x - 1)\,(14\,x^3 + 74\,x^2 + 39\,x + 8)}$$

Sequence: A138784
Score: 6.04625
Type of gen. func.: lgdegf]

$$-\frac{2\,(316\,x^4 + 3371\,x^3 + 4716\,x^2 + 2501\,x + 436)}{(x - 1)\,(158\,x^4 + 1222\,x^3 + 961\,x^2 + 440\,x + 54)}$$

Sequence: A138793
Score: 6.28234
Type of gen. func.: lgdogf

$$441 - 1260\,x + 900\,x^2 + (600\,x^3 - 1080\,x^2 + 522\,x - 42)\,f(x)$$
$$+ (100\,x^4 - 220\,x^3 + 141\,x^2 - 22\,x + 1)\,f(x)^2$$

Sequence: A138794
Score: 6.67738
Type of gen. func.: ogf

$$(100\,f(x)\,x^2 - 20\,f(x)\,x + f(x) + 100\,x - 20)^2$$

Sequence: A138803
Score: 11.8684
Type of gen. func.: ogf

$$-\frac{(x-1)\,x}{x^4+4\,x^2-4\,x+1}$$

Sequence: A138803
Score: 14.3541
Type of gen. func.: lgdogf

$$-\frac{3\,x^4-4\,x^3+4\,x^2-8\,x+3}{(x-1)\,(x^4+4\,x^2-4\,x+1)}$$

Sequence: A138803
Score: 6.09455
Type of gen. func.: ogf

$$-(3\,f(x)+1)\,(f(x)\,x^4+4\,f(x)\,x^2-4\,f(x)\,x+x^2+f(x)-x)$$

Sequence: A138814
Score: 2.42969
Type of gen. func.: ogf

$$(2\,f(x)\,x-f(x)+1)^2$$

Sequence: A138815
Score: 8.96917
Type of gen. func.: ogf

$$(2\,f(x)\,x-f(x)+1)^2$$

Sequence: A138823
Score: 2.12465
Type of gen. func.: ogf

^{2}

$$(10 f(x) x - f(x) + 1)$$

Sequence: A138824
Score: 5.02383
Type of gen. func.: ogf

$$(10 f(x) x - f(x) + 1)^{2}$$

Sequence: A138825
Score: 12.0642
Type of gen. func.: ogf

$$(10 f(x) x - f(x) + 1)^{2}$$

Sequence: A138825
Score: 3.24533
Type of gen. func.: ogf

$$\frac{(10 x + 1) (111111111111 x^{10} - 1000000 x^{4} - 10000 x^{2} - 100)}{111111111111 x^{10} + 100000000 x^{6} - 100}$$

Sequence: A138829
Score: 9.35443
Type of gen. func.: ogf

$$- \frac{x^{14} - x^{13} + x^{4} - x^{3} - x - 1}{(x - 1)^{2}}$$

Sequence: A138829
Score: 9.38647
Type of gen. func.: lgdogf

$$\frac{12 x^{14} - 25 x^{13} + 13 x^{12} + 2 x^{4} - 5 x^{3} + 3 x^{2} + x + 3}{(x - 1) (x^{14} - x^{13} + x^{4} - x^{3} - x - 1)}$$

Sequence: A138830
Score: 10.5336
Type of gen. func.: lgdogf

$$\frac{12 x^{14} - 25 x^{13} + 13 x^{12} + x^{3} - 3 x^{2} + 2 x + 4}{(x - 1) (x^{14} - x^{13} + x^{3} - x^{2} - 2)}$$

Sequence: A138830
Score: 9.90748
Type of gen. func.: ogf

$$- \frac{x^{14} - x^{13} + x^{3} - x^{2} - 2}{(x - 1)^{2}}$$

Sequence: A138836
Score: 9.10246
Type of gen. func.: ogf

$$- (x^{2} - x + 1) (x^{27} - x^{25} - x^{24} + x^{22} + x^{21} - x^{19} - x^{18} + x^{16} + x^{15} - x^{13} - x^{12} + x^{10} + x^{9} - x^{7} - x^{6} + 2 x^{4} + x^{3} - x^{2} - x - 1) \Big/ (x - 1)^{2}$$

Sequence: A138849
Score: 10.0692
Type of gen. func.: lgdogf

$$- \frac{2 x (2 x^{3} + 15 x^{2} + 36 x + 7)}{(x - 1) (4 x^{4} + 7 x^{3} + 17 x^{2} - 5 x + 1)}$$

Sequence: A138849
Score: 8.38786
Type of gen. func.: ogf

4 3 2

$$-\frac{4 x + 7 x + 17 x - 5 x + 1}{(x - 1)^{5}}$$

Sequence: A138888
Score: 11.6692
Type of gen. func.: ogf

$$-\frac{x^{15} - x^{14} + x^{4} - x^{2} - 1}{(x - 1)^{2}}$$

Sequence: A138888
Score: 12.0873
Type of gen. func.: lgdogf

$$\frac{13 x^{15} - 27 x^{14} + 14 x^{13} + 2 x^{4} - 4 x^{3} + 2 x + 2}{(x - 1) (x^{15} - x^{14} + x^{4} - x^{2} - 1)}$$

Sequence: A138893
Score: 6.00483
Type of gen. func.: ogf

$$\frac{x (7 x^{4} + 14 x^{3} - 10 x^{2} + 14 x + 11)}{(x - 1)^{2} (x^{2} + 1)^{2}}$$

Sequence: A138893
Score: 7.14417
Type of gen. func.: lgdogf

$$-\frac{2 (7 x^{6} + 21 x^{5} - 34 x^{4} + 52 x^{3} + 33 x^{2} - 25 x + 18)}{(x - 1) (7 x^{4} + 14 x^{3} - 10 x^{2} + 14 x + 11) (x^{2} + 1)}$$

Sequence: A138894
Score: 12.5459

Type of gen. func.: ogf

$$\frac{x + 1}{(9 x - 1) (x - 1)}$$

Sequence: A138894
Score: 12.5629
Type of gen. func.: revogf

$$- \frac{-1 - 10 x + (64 x^2 + 24 x + 1)^{1/2}}{2 (9 x - 1)}$$

Sequence: A138894
Score: 15.2793
Type of gen. func.: lgdogf

$$- \frac{9 x^2 + 18 x - 11}{(x - 1) (9 x - 1) (x + 1)}$$

Sequence: A138894
Score: 6.55807
Type of gen. func.: ogf

$$(92 f(x) + 29) (9 f(x) x^2 - 10 f(x) x + f(x) - x - 1)$$

Sequence: A138894
Score: 6.87036
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 9 a(n), a(0) = 1, a(1) = 11\}$$

Sequence: A138896
Score: 3.47510
Type of gen. func.: ogf

$$\{(4 n^3 + 30 n^2 + 72 n + 56) a(n + 1) + (-n - 3) a(n + 2), a(0) = 3, a(1) = 15\}$$

Sequence: A138897
Score: 6.03709
Type of gen. func.: ogf

$$\{(-4 n^3 - 34 n^2 - 94 n - 84) a(n + 1) + (n + 4) a(n + 2), a(0) = 3, a(1) = 20\}$$

Sequence: A138898
Score: 11.3040
Type of gen. func.: ogf

$$\{(4 n^2 + 26 n + 36) a(n + 1) - a(n + 2), a(0) = 60, a(1) = 840\}$$

Sequence: A138902
Score: 32.2206
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{19} + x^9 + 1$$

Sequence: A138908
Score: 34.9027
Type of gen. func.: lgdogf

$$\frac{27 x^{10} - 30 x^9 - 1}{(x - 1) (3 x^{10} + 1)}$$

Sequence: A138911
Score: 19.4156
Type of gen. func.: lgdegf]

$$\frac{(\exp(-x) + x^2 + 1 + 2 x) \exp(x)}{x + 1}$$

Sequence: A138912
Score: 16.8682
Type of gen. func.: lgdegf]

$$-\frac{(x\exp(-x)-x^{2}-1-2x)\exp(x)}{x+1}$$

Sequence: A138949
Score: 5.08499
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^{11}+2x^{10}+3x^{9}+2x^{7}+2x^{6}+4x^{5}+2x^{4}+2x^{3}+3x+2}{-x^{12}+1}$$

Sequence: A138951
Score: 5.37331
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^{11}-2x^{10}+5x^{9}+2x^{7}-2x^{6}+4x^{5}-2x^{4}+2x^{3}+5x-2}{-x^{12}+1}$$

Sequence: A138953
Score: 6.22534
Type of gen. func.: ogf

$$-\frac{x^{10}(9x^{10}-x^{9}-x^{8}-x^{7}-x^{6}-x^{5}-x^{4}-x^{3}-x^{2}-x-1)}{(x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)(x-1)^{2}}$$

Sequence: A138957
Score: 5.51437
Type of gen. func.: lgdogf

$$144-720x+900x^{2}+(600x^{3}-900x^{2}+324x-24)f(x)$$

$$+(100x^{4}-220x^{3}+141x^{2}-22x+1)f(x)^{2}$$

Sequence: A138976
Score: 7.43697
Type of gen. func.: ogf

$$-\frac{3 x (x^3 + x^2 - 5 x - 1)}{(x - 1) (x^4 - 10 x^2 + 1)}$$

Sequence: A138976
Score: 9.21804
Type of gen. func.: lgdogf

$$-\frac{2 (x^7 + x^6 - 11 x^5 - 5 x^4 + 51 x^3 - 9 x^2 - 9 x - 3)}{(x - 1) (x^3 + x^2 - 5 x - 1) (x^4 - 10 x^2 + 1)}$$

Sequence: A138977
Score: 15.9360
Type of gen. func.: ogf

$$-\frac{2 x - 3}{4 x^2 - 7 x + 1}$$

Sequence: A138977
Score: 16.3897
Type of gen. func.: revogf

$$-\frac{-3 - 7 x + (33 x^2 + 34 x + 9)^{1/2}}{4 (2 x + 1)}$$

Sequence: A138977
Score: 18.5462
Type of gen. func.: lgdogf

$$-\frac{8 x^2 - 24 x + 19}{(2 x - 3) (4 x^2 - 7 x + 1)}$$

Sequence: A138977
Score: 7.7948
Type of gen. func.: ogf

$$-(109 f(x) + 34) (4 f(x) x^2 - 7 f(x) x + f(x) + 2 x - 3)$$

Sequence: A138977
Score: 8.64001
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) + 4 a(n), a(0) = 3, a(1) = 19\}$$

Sequence: A138978
Score: 11.0983
Type of gen. func.: ogf

$$- \frac{8 x^2 - 23 x + 9}{10 x^3 - 31 x^2 + 16 x - 1}$$

Sequence: A138978
Score: 5.34361
Type of gen. func.: ogf

$$-(308303939 f(x) + 104970188) (10 f(x) x^3 - 31 f(x) x^2 + 16 f(x) x + 8 x^2 - f(x) - 23 x + 9)$$

Sequence: A138978
Score: 6.01157
Type of gen. func.: ogf

$$\{-a(n + 3) + 16 a(n + 2) - 31 a(n + 1) + 10 a(n), a(0) = 9, a(1) = 121, a(2) = 1665\}$$

Sequence: A138978
Score: 6.64662
Type of gen. func.: lgdogf

$$-\frac{80x^4 - 460x^3 + 855x^2 - 542x + 121}{(8x^2 - 23x + 9)(10x^3 - 31x^2 + 16x - 1)}$$

Sequence: A138984
Score: 9.08951
Type of gen. func.: ogf

$$\frac{x^6 - 4x^3 - x^2 - x - 1}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A138984
Score: 9.87169
Type of gen. func.: lgdogf

$$-\frac{x^8 + x^7 + x^6 - 10x^5 - 9x^4 - 11x^3 - 21x^2 - 4x - 2}{(x - 1)(x^2 + x + 1)(x^6 - 4x^3 - x^2 - x - 1)}$$

Sequence: A138985
Score: 7.36413
Type of gen. func.: lgdogf

$$-(x^{11} + x^{10} + x^9 + x^8 - 17x^7 - 11x^6 - 13x^5 - 15x^4 - 32x^3 - 6x^2 - 4x - 2) / ((x - 1)(x + 1)(x^2 + 1)(x^8 - 5x^4 - x^3 - x^2 - x - 1))$$

Sequence: A138985
Score: 8.32628
Type of gen. func.: ogf

$$\frac{x^8 - 5x^4 - x^3 - x^2 - x - 1}{(x + 1)^2 (x^2 + 1)^2 (x - 1)^3}$$

Sequence: A138986
Score: 7.61332
Type of gen. func.: ogf

$$\frac{x^{10} - 6\,x^{5} - x^{4} - x^{3} - x^{2} - x - 1}{(x^{4} + x^{3} + x^{2} + x + 1)^{2}\,(x - 1)^{3}}$$

Sequence: A138987
Score: 7.10172
Type of gen. func.: ogf

$$\frac{x^{12} - 7\,x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 1}{(x + 1)^{2}\,(x^{2} + x + 1)^{2}\,(x^{2} - x + 1)^{2}\,(x - 1)^{3}}$$

Sequence: A138988
Score: 6.62600
Type of gen. func.: ogf

$$\frac{x^{14} - 8\,x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 1}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2}\,(x - 1)^{3}}$$

Sequence: A138995
Score: 13.1177
Type of gen. func.: lgdogf

$$-\frac{2\,x^{7} - 14\,x^{4} - 5\,x^{3} - 6\,x^{2} - 12\,x - 1}{(x - 1)\,(x^{2} + x + 1)\,(2\,x^{5} - 6\,x^{2} - x - 1)}$$

Sequence: A138995
Score: 14.1915
Type of gen. func.: ogf

$$-\frac{2\,x^{5} - 6\,x^{2} - x - 1}{(x - 1)^{2}\,(x^{2} + x + 1)^{2}}$$

Sequence: A138996
Score: 10.0983
Type of gen. func.: lgdogf

$$-\frac{2 x^{10} - 21 x^{6} - 6 x^{5} - 7 x^{4} - 8 x^{3} - 21 x^{2} - 2 x - 1}{(x - 1) (x + 1) (x^{2} + 1) (2 x^{7} - 7 x^{3} - x^{2} - x - 1)}$$

Sequence: A138996
Score: 12.6894
Type of gen. func.: ogf

$$-\frac{2 x^{7} - 7 x^{3} - x^{2} - x - 1}{(x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2}}$$

Sequence: A138997
Score: 11.3930
Type of gen. func.: ogf

$$-\frac{2 x^{9} - 8 x^{4} - x^{3} - x^{2} - x - 1}{(x - 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2}}$$

Sequence: A138997
Score: 8.25764
Type of gen. func.: lgdogf

$$-\frac{2 x^{13} - 30 x^{8} - 7 x^{7} - 8 x^{6} - 9 x^{5} - 10 x^{4} - 32 x^{3} - 3 x^{2} - 2 x - 1}{(x - 1) (x^{4} + x^{3} + x^{2} + x + 1) (2 x^{9} - 8 x^{4} - x^{3} - x^{2} - x - 1)}$$

Sequence: A138999
Score: 9.53673
Type of gen. func.: ogf

```
13       6    5    4    3    2
```

$$-\frac{2 x - 10 x - x - x - x - x - x - 1}{(x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2}$$

Sequence: A139011
Score: 14.5118
Type of gen. func.: ogf

$$-\frac{2 x - 1}{5 x^2 - 4 x + 1}$$

Sequence: A139011
Score: 17.6165
Type of gen. func.: lgdogf

$$-\frac{2 (5 x^2 - 5 x + 1)}{(2 x - 1) (5 x^2 - 4 x + 1)}$$

Sequence: A139011
Score: 7.33741
Type of gen. func.: ogf

$$-(f(x) - 3) (5 f(x) x^2 - 4 f(x) x + f(x) + 2 x - 1)$$

Sequence: A139011
Score: 7.96378
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 5 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A139030
Score: 14.7435
Type of gen. func.: ogf

$$-\frac{25 x - 4}{25 x^2 - 8 x + 1}$$

Sequence: A139030
Score: 15.9562
Type of gen. func.: revogf

$$-\frac{-2-4x+(-(3x+4)(3x-1))^{1/2}}{25(x+1)}$$

Sequence: A139030
Score: 17.0959
Type of gen. func.: lgdogf

$$-\frac{(25x-1)(25x-7)}{(25x-4)(25x^2-8x+1)}$$

Sequence: A139030
Score: 7.61477
Type of gen. func.: ogf

$$(144 f(x) - 625)(25 f(x) x^2 - 8 f(x) x + f(x) + 25 x - 4)$$

Sequence: A139030
Score: 8.34871
Type of gen. func.: ogf

$$\{a(n+2) - 8 a(n+1) + 25 a(n), a(0) = 4, a(1) = 7\}$$

Sequence: A139031
Score: 22.7137
Type of gen. func.: ogf

$$\frac{3}{25x^2-8x+1}$$

Sequence: A139031
Score: 30.4359

Type of gen. func.: lgdogf

$$-\frac{2 (25 x - 4)}{25 x^2 - 8 x + 1}$$

Sequence: A139031
Score: 9.19364
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 25 a(n), a(0) = 3, a(1) = 24\}$$

Sequence: A139031
Score: 9.30442
Type of gen. func.: ogf

$$(7 f(x) + 75) (25 f(x) x^2 - 8 f(x) x + f(x) - 3)$$

Sequence: A139032
Score: 5.52464
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{13} + x^{12} + x^8 - x^7 + x^6 - x^5 - x + 1}{-x^{15} - x^{12} - x^9 - x^6 - x^3 - 1}$$

Sequence: A139093
Score: 13.1724
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^3 + 2 x^2 - 5 x + 2}{x^4 - 1}$$

Sequence: A139098
Score: 12.6392
Type of gen. func.: ogf

$$8 x (x + 1)$$

```
                                    - -----------
                                                 3
                                       (x - 1)
```

Sequence: A139098
Score: 34.0782
Type of gen. func.: ogf_with_Euler_transform]

```
                                       [4 - x]
```

Sequence: A139098
Score: 35.4646
Type of gen. func.: lgdogf

```
                                       2 (x + 2)
                                  - ---------------
                                    (x - 1) (x + 1)
```

Sequence: A139098
Score: 6.43244
Type of gen. func.: ogf

```
   {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 8, a(2) = 32}
```

Sequence: A139098
Score: 6.73302
Type of gen. func.: ogf

```
                         3           2                   2
        (f(x) + 2) (f(x) x  - 3 f(x) x  + 3 f(x) x + 8 x  - f(x) + 8 x)
```

Sequence: A139114
Score: 6.05036
Type of gen. func.: ogf

```
                 12         11          10          9      2
           3060 x   - 1170 x   - 6840 x   + 4950 x  + 9 x  - 21 x + 11
         - -----------------------------------------------------------
                                  2                  2
                                (x  + x - 1) (x - 1)
```

Sequence: A139136

Score: 6.46564
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{10} + 2 x^{8} + x^{7} + x^{6} - 2 x^{5} + x^{4} + x^{3} + 2 x^{2} + 1}{-x^{12} + 1}$$

Sequence: A139137
Score: 9.02355
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^{7} + 3 x^{6} - x^{4} + x^{3} - 3 x + 2}{-x^{9} - x^{6} - x^{3} - 1}$$

Sequence: A139139
Score: 10.0321
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{3} - x}{-x^{6} + x^{5} - x^{3} + x - 1}$$

Sequence: A139149
Score: 3.20578
Type of gen. func.: ogf

$\{(-n^{2} - 8 n - 16) a(n + 1) + (n^{2} + 9 n + 19) a(n + 2) + (-n - 3) a(n + 3),$

$a(0) = 2, a(1) = 4, a(2) = 13\}$

Sequence: A139179
Score: 14.2334
Type of gen. func.: ogf

$$\frac{x^{2} (x^{15} - x^{14} + 1)}{(x - 1)^{2}}$$

Sequence: A139179
Score: 18.5026
Type of gen. func.: lgdogf

$$\frac{13 x^{15} - 27 x^{14} + 14 x^{13} - 2}{(x - 1) (x^{15} - x^{14} + 1)}$$

Sequence: A139209
Score: 11.7152
Type of gen. func.: lgdogf

$$- \frac{6 x^{4} - 16 x^{3} + 19 x^{2} - 8 x + 1}{(x - 1) (3 x - 1) (2 x - 1) (x^{2} - 3 x + 1)}$$

Sequence: A139209
Score: 12.0993
Type of gen. func.: ogf

$$\frac{(3 x - 1) (x - 1)}{(2 x - 1) (x^{2} - 3 x + 1)}$$

Sequence: A139209
Score: 6.41791
Type of gen. func.: ogf

$$-(3 f(x) - 1) (2 f(x) x^{3} - 7 f(x) x^{2} + 5 f(x) x - 3 x^{2} - f(x) + 4 x - 1)$$

Sequence: A139209
Score: 6.58982
Type of gen. func.: ogf

$\{a(n + 3) - 5 a(n + 2) + 7 a(n + 1) - 2 a(n), a(0) = -1, a(1) = -1, a(2) = -1\}$

Sequence: A139222
Score: 10.0864

Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 3, a(1) = 33\}$$

Sequence: A139222
Score: 18.1994
Type of gen. func.: ogf

$$\frac{3 (9 x + 1)}{(x - 1)^2}$$

Sequence: A139222
Score: 22.2034
Type of gen. func.: revogf

$$- \frac{-3 - 2 x + (9 + 120 x)^{1/2}}{2 (-27 + x)}$$

Sequence: A139222
Score: 35.7184
Type of gen. func.: lgdogf

$$- \frac{11 + 9 x}{(9 x + 1) (x - 1)}$$

Sequence: A139222
Score: 9.40644
Type of gen. func.: ogf

$$(20 f(x) + 303) (f(x) x^2 - 2 f(x) x + f(x) - 27 x - 3)$$

Sequence: A139245
Score: 10.1410
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 4, a(1) = 24\}$$

Sequence: A139245
Score: 18.2978
Type of gen. func.: ogf

$$\frac{4\ (4\ x + 1)}{(x - 1)^2}$$

Sequence: A139245
Score: 26.6394
Type of gen. func.: revogf

$$-\frac{-2 - x + 2\ (1 + 5\ x)^{1/2}}{-16 + x}$$

Sequence: A139245
Score: 34.4092
Type of gen. func.: lgdogf

$$-\frac{2\ (3 + 2\ x)}{(4\ x + 1)\ (x - 1)}$$

Sequence: A139245
Score: 9.35224
Type of gen. func.: ogf

$$(85\ f(x) + 4844)\ (f(x)\ x^2 - 2\ f(x)\ x + f(x) - 16\ x - 4)$$

Sequence: A139249
Score: 10.0864
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\ a(n + 1) - a(n),\ a(0) = 6,\ a(1) = 36\}$$

Sequence: A139249
Score: 13.0808
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 24 x + 6$$

Sequence: A139249
Score: 18.1994
Type of gen. func.: ogf

$$\frac{6 (4 x + 1)}{(x - 1)^2}$$

Sequence: A139249
Score: 27.3841
Type of gen. func.: revogf

$$- \frac{-3 - x + (9 + 30 x)^{1/2}}{-24 + x}$$

Sequence: A139249
Score: 34.2302
Type of gen. func.: lgdogf

$$- \frac{2 (3 + 2 x)}{(4 x + 1) (x - 1)}$$

Sequence: A139262
Score: 4.58066
Type of gen. func.: ogf

$$\{(-16 n^2 - 56 n - 48) a(n + 1) + (8 n^2 + 30 n + 24) a(n + 2)$$

$$+ (-n^2 - 4 n - 3) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A139262
Score: 6.00575
Type of gen. func.: ogf

$$-64 f(x)^2 x^3 + 48 f(x)^2 x^2 - 12 f(x)^2 x + 16 f(x) x^2 + f(x)^2 - 8 f(x) x - x^2$$

$$+ f(x)$$

Sequence: A139264
Score: 17.3782
Type of gen. func.: ogf

$$\frac{7 (9 x + 1)}{(x - 1)^{2}}$$

Sequence: A139264
Score: 20.6361
Type of gen. func.: revogf

$$- \frac{-7 - 2 x + (49 + 280 x)^{1/2}}{2 (-63 + x)}$$

Sequence: A139264
Score: 34.0944
Type of gen. func.: lgdogf

$$- \frac{11 + 9 x}{(9 x + 1) (x - 1)}$$

Sequence: A139264
Score: 8.98201
Type of gen. func.: ogf

$$(20 f(x) + 707) (f(x) x^{2} - 2 f(x) x + f(x) - 63 x - 7)$$

Sequence: A139264
Score: 9.63131
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 7, a(1) = 77\}$$

Sequence: A139267

Score: 12.3085
Type of gen. func.: ogf

$$-\frac{2 x (1 + 5 x)}{(x - 1)^{3}}$$

Sequence: A139267
Score: 29.2784
Type of gen. func.: lgdogf

$$-\frac{2 (4 + 5 x)}{(1 + 5 x) (x - 1)}$$

Sequence: A139267
Score: 6.04996
Type of gen. func.: ogf

$$-(2430 f(x) - 9331) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 10 x^{2} - f(x) + 2 x)$$

Sequence: A139267
Score: 6.37406
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 2, a(2) = 16}

Sequence: A139268
Score: 12.1011
Type of gen. func.: ogf

$$-\frac{2 x (6 x + 1)}{(x - 1)^{3}}$$

Sequence: A139268
Score: 28.7802
Type of gen. func.: lgdogf

$$-\frac{3 (3 + 4 x)}{(6 x + 1) (x - 1)}$$

Sequence: A139268
Score: 5.89803
Type of gen. func.: ogf

$$-(4361 f(x) - 19608) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 12 x^2 - f(x) + 2 x)$$

Sequence: A139268
Score: 6.26665
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 2, a(2) = 18\}$$

Sequence: A139271
Score: 12.4213
Type of gen. func.: ogf

$$-\frac{2 x (7 x + 1)}{(x - 1)^3}$$

Sequence: A139271
Score: 6.05406
Type of gen. func.: ogf

$$-(7264 f(x) - 37449) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 14 x^2 - f(x) + 2 x)$$

Sequence: A139271
Score: 6.43244
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 2, a(2) = 20\}$$

Sequence: A139272
Score: 12.4213
Type of gen. func.: ogf

$$x (13 x + 3)$$

$$- \frac{}{(x - 1)^3}$$

Sequence: A139272
Score: 26.2701
Type of gen. func.: lgdogf

$$- \frac{2 (11 + 13 x)}{(13 x + 3) (x - 1)}$$

Sequence: A139272
Score: 6.15755
Type of gen. func.: ogf

$$(36096 f(x) - 184357) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 13 x^2 - f(x) + 3 x)$$

Sequence: A139272
Score: 6.43244
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 3, a(2) = 22\}$$

Sequence: A139273
Score: 12.4213
Type of gen. func.: ogf

$$- \frac{x (11 x + 5)}{(x - 1)^3}$$

Sequence: A139273
Score: 26.2701
Type of gen. func.: lgdogf

$$- \frac{2 (13 + 11 x)}{(11 x + 5) (x - 1)}$$

Sequence: A139273
Score: 6.05406
Type of gen. func.: ogf

$$(297728 f(x) - 1523781) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 11 x^2 - f(x) + 5 x)$$

Sequence: A139273
Score: 6.43244
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 5, a(2) = 26\}$$

Sequence: A139274
Score: 14.0745
Type of gen. func.: ogf

$$-\frac{x (9 x + 7)}{(x - 1)^3}$$

Sequence: A139274
Score: 29.5538
Type of gen. func.: lgdogf

$$-\frac{6 (5 + 3 x)}{(9 x + 7) (x - 1)}$$

Sequence: A139274
Score: 6.79871
Type of gen. func.: ogf

$$(348928 f(x) - 1851063) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 9 x^2 - f(x) + 7 x)$$

Sequence: A139274
Score: 7.16293
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 7, a(2) = 30\}$$

Sequence: A139275
Score: 12.6392
Type of gen. func.: ogf

$$-\frac{x\,(7\,x+9)}{(x-1)^3}$$

Sequence: A139275
Score: 28.3717
Type of gen. func.: lgdogf

$$-\frac{2\,(17+7\,x)}{(7\,x+9)\,(x-1)}$$

Sequence: A139275
Score: 6.10536
Type of gen. func.: ogf

$$(406272\,f(x)-2320825)\,(f(x)\,x^3-3\,f(x)\,x^2+3\,f(x)\,x+7\,x^2-f(x)+9\,x)$$

Sequence: A139275
Score: 6.43244
Type of gen. func.: ogf

$$\{a(n+3)-3\,a(n+2)+3\,a(n+1)-a(n),\ a(0)=0,\ a(1)=9,\ a(2)=34\}$$

Sequence: A139276
Score: 12.5493
Type of gen. func.: ogf

$$-\frac{x\,(5\,x+11)}{(x-1)^3}$$

Sequence: A139276
Score: 27.5661
Type of gen. func.: lgdogf

$$-\frac{2\,(19 + 5\,x)}{(5\,x + 11)\,(x - 1)}$$

Sequence: A139276
Score: 6.11647
Type of gen. func.: ogf

$$(469760\,f(x) - 3001131)\,(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x + 5\,x^{2} - f(x) + 11\,x)$$

Sequence: A139276
Score: 6.44124
Type of gen. func.: ogf

$$\{-a(n + 3) + 3\,a(n + 2) - 3\,a(n + 1) + a(n),\ a(0) = 0,\ a(1) = 11,\ a(2) = 38\}$$

Sequence: A139277
Score: 12.5493
Type of gen. func.: ogf

$$-\frac{x\,(3\,x + 13)}{(x - 1)^{3}}$$

Sequence: A139277
Score: 31.1617
Type of gen. func.: lgdogf

$$-\frac{6\,(7 + x)}{(3\,x + 13)\,(x - 1)}$$

Sequence: A139277
Score: 6.22103
Type of gen. func.: ogf

$$(77056\,f(x) - 569067)\,(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x + 3\,x^{2} - f(x) + 13\,x)$$

Sequence: A139277

Score: 6.44124
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 0,\ a(1) = 13,\ a(2) = 42\}$$

Sequence: A139278
Score: 12.6133
Type of gen. func.: ogf

$$-\frac{x\,(x+15)}{(x-1)^{3}}$$

Sequence: A139278
Score: 32.7469
Type of gen. func.: lgdogf

$$-\frac{2\,(23+x)}{(x+15)\,(x-1)}$$

Sequence: A139278
Score: 6.14768
Type of gen. func.: ogf

$$(615168\,f(x) - 5386591)\,(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x + x^{2} - f(x) + 15\,x)$$

Sequence: A139278
Score: 6.47410
Type of gen. func.: ogf

$$\{-a(n+3) + 3\,a(n+2) - 3\,a(n+1) + a(n),\ a(0) = 0,\ a(1) = 15,\ a(2) = 46\}$$

Sequence: A139279
Score: 17.4931
Type of gen. func.: ogf

$$\frac{8\,(4\,x+1)}{(x-1)^{2}}$$

Sequence: A139279
Score: 24.6650
Type of gen. func.: revogf

$$-\frac{-4 - x + 2 (4 + 10 x)^{1/2}}{-32 + x}$$

Sequence: A139279
Score: 32.8867
Type of gen. func.: lgdogf

$$-\frac{2 (3 + 2 x)}{(4 x + 1) (x - 1)}$$

Sequence: A139279
Score: 8.9409
Type of gen. func.: ogf

$$(85 f(x) + 9688) (f(x) x^2 - 2 f(x) x + f(x) - 32 x - 8)$$

Sequence: A139279
Score: 9.69495
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 8, a(1) = 48\}$$

Sequence: A139280
Score: 17.6265
Type of gen. func.: ogf

$$\frac{9 (9 x + 1)}{(x - 1)^2}$$

Sequence: A139280
Score: 20.9366
Type of gen. func.: revogf

$$-\frac{-9 - 2 x + 3 (9 + 40 x)^{1/2}}{2 (-81 + x)}$$

Sequence: A139280
Score: 34.5910
Type of gen. func.: lgdogf

$$-\frac{11 + 9 x}{(9 x + 1) (x - 1)}$$

Sequence: A139280
Score: 9.11033
Type of gen. func.: ogf

$$(20 f(x) + 909) (f(x) x^2 - 2 f(x) x + f(x) - 81 x - 9)$$

Sequence: A139280
Score: 9.76890
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 9, a(1) = 99\}$$

Sequence: A139379
Score: 3.36276
Type of gen. func.: ogf

$$\{(-8 n - 20) a(n + 1) + (-2 n - 2) a(n + 2) + (5 n + 14) a(n + 3)$$
$$+ (-n - 4) a(n + 4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 6\}$$

Sequence: A139379
Score: 4.56871
Type of gen. func.: ogf

$$-4 f(x)^2 x^4 - 4 f(x)^2 x^3 + 3 f(x)^2 x^2 + 2 f(x)^2 x - 2 f(x) x^2 - f(x)^2 - f(x) x$$
$$+ f(x) - x$$

Sequence: A139381
Score: 7.18598
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3x^8+2x^7+3x^6+2x^5+4x^4+2x^3+3x^2+2x+3}{-x^{10}+1}$$

Sequence: A139398
Score: 10.5117
Type of gen. func.: lgdogf

$$-\frac{2x^5-10x^4+10x^3-10x^2+5x-1}{(x-1)(2x-1)(x^4-2x^3+4x^2-3x+1)}$$

Sequence: A139398
Score: 5.11279
Type of gen. func.: ogf

$$f(x)^2\,(2f(x)x^5-5f(x)x^4+10f(x)x^3+x^4-10f(x)x^2-4x^3+5f(x)x$$
$$+6x^2-f(x)-4x+1)$$

Sequence: A139398
Score: 8.44956
Type of gen. func.: ogf

$$-\frac{(x-1)^4}{(2x-1)(x^4-2x^3+4x^2-3x+1)}$$

Sequence: A139438
Score: 6.11668
Type of gen. func.: ogf

$$-(x^{14}+x^{13}+x^{12}+2x^{11}+x^{10}+x^9+2x^8+5x^7+3x^6+x^5+x^4+3x^3$$

2 / 4 3 2 2

```
     + 2 x  + x + 1)  /  ((x - 1) (x  + x  + x  + x + 1) (x  + x + 1)
                     /

      8    7    5    4    3
    (x  - x  + x  - x  + x  - x + 1))
```

Sequence: A139477
Score: 4.03821
Type of gen. func.: ogf

```
  23    22      11      10      9      8      7      6      5      4      3
(x   - x   + 2 x   + 3 x   + 2 x  + 3 x  + 2 x  + 3 x  + 2 x  + 3 x  + 2 x

          2              /
     + 3 x  + 2 x + 1)  /  (
                       /

      10    9    8    7    6    5    4    3    2                 2
    (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x - 1) )
```

Sequence: A139482
Score: 16.3950
Type of gen. func.: lgdogf

```
                                    2
                                 5 x  + 2 x + 2
                         - ---------------------------
                                      3      2
                           (x - 1) (x  + 2 x  - x + 1)
```

Sequence: A139482
Score: 4.54869
Type of gen. func.: ogf

```
{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 2, a(2) = 5,

    a(3) = 11}
```

Sequence: A139482
Score: 4.91851
Type of gen. func.: ogf

```
                         3           2    3                 2
   -(-2 + 5 f(x)) (f(x) x  - 3 f(x) x  + x  + 3 f(x) x + 2 x  - f(x) - x + 1)
```

Sequence: A139482
Score: 8.76777

Type of gen. func.: ogf

$$-\frac{x^3 + 2x^2 - x + 1}{(x-1)^3}$$

Sequence: A139488
Score: 10.1451
Type of gen. func.: ogf

$$\frac{2x^3 + 2x^2 - x + 1}{(x-1)^4}$$

Sequence: A139488
Score: 17.8191
Type of gen. func.: lgdogf

$$-\frac{2x^3 + 10x^2 + x + 3}{(x-1)(2x^3 + 2x^2 - x + 1)}$$

Sequence: A139488
Score: 4.26870
Type of gen. func.: ogf

$$\{(-19n^2 - 98n - 120)\,a(n+1) + (26n^2 + 73n - 30)\,a(n+2)$$

$$+ (-7n^2 - 11n + 30)\,a(n+3),\ a(0) = 1,\ a(1) = 3,\ a(2) = 8\}$$

Sequence: A139488
Score: 5.3874
Type of gen. func.: ogf

$$(40192 f(x) + 32255)$$

$$(f(x)\,x^4 - 4 f(x)\,x^3 + 6 f(x)\,x^2 - 2x^3 - 4 f(x)\,x - 2x^2 + f(x) + x - 1)$$

Sequence: A139514
Score: 5.36707
Type of gen. func.: ogf

$$-(2 f(x) x + f(x) - 6 x - 2) (f(x) x - f(x) + 2)^2$$

Sequence: A139544
Score: 15.2281
Type of gen. func.: ogf

$$\frac{2 x^4 + x^2 + 1}{(x - 1)^2}$$

Sequence: A139544
Score: 21.2906
Type of gen. func.: lgdogf

$$\frac{2 (2 x^4 - 4 x^3 - x - 1)}{(x - 1) (2 x^4 + x^2 + 1)}$$

Sequence: A139544
Score: 6.83465
Type of gen. func.: ogf

$\{a(n + 5) - 2 a(n + 4) + a(n + 3), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 6,$

$a(4) = 10\}$

Sequence: A139544
Score: 8.59407
Type of gen. func.: ogf

$$-(6 f(x) - 1) (-2 x^4 + f(x) x^2 - 2 f(x) x - x^2 + f(x) - 1)$$

Sequence: A139545
Score: 6.02454
Type of gen. func.: ogf

$$\frac{(x^3 + 3 x^2 - 3 x + 1) (x - 1)^2}{(2 x - 1)^2 (x^2 - x + 1)^2}$$

Sequence: A139545
Score: 7.91838
Type of gen. func.: lgdogf

$$- \frac{2 x^6 + 9 x^5 - 48 x^4 + 55 x^3 - 27 x^2 + 6 x - 1}{(x - 1) (2 x - 1) (x^3 + 3 x^2 - 3 x + 1) (x^2 - x + 1)}$$

Sequence: A139566
Score: 7.11330
Type of gen. func.: ogf

$$(36 x^{10} + 6 x^9 - 27 x^8 - 145 x^7 - 89 x^6 - 58 x^5 - 37 x^4 - 16 x^3 - 40 x^2 - 26 x - 15) / ((x - 1) (x + 1) (x^2 + 1) (x^4 + 1))$$

Sequence: A139570
Score: 12.4054
Type of gen. func.: ogf

$$\frac{4 x (x - 2)}{(x - 1)^3}$$

Sequence: A139570
Score: 33.1344
Type of gen. func.: lgdogf

$$- \frac{-5 + 2 x}{(x - 1) (x - 2)}$$

Sequence: A139570

Score: 6.31345
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 8, a(2) = 20\}$$

Sequence: A139570
Score: 7.44225
Type of gen. func.: ogf

$$-(23 f(x) - 252) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 4 x^2 - f(x) + 8 x)$$

Sequence: A139576
Score: 12.2563
Type of gen. func.: ogf

$$\frac{x (7 x - 11)}{(x - 1)^3}$$

Sequence: A139576
Score: 25.9105
Type of gen. func.: lgdogf

$$-\frac{2 (-13 + 7 x)}{(x - 1) (7 x - 11)}$$

Sequence: A139576
Score: 6.12816
Type of gen. func.: ogf

$$(9392 f(x) - 252495) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 7 x^2 - f(x) + 11 x)$$

Sequence: A139576
Score: 6.29086
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 11, a(2) = 26\}$$

Sequence: A139577
Score: 12.3860
Type of gen. func.: ogf

$$\frac{x (9 x - 13)}{(x - 1)^{3}}$$

Sequence: A139577
Score: 27.1964
Type of gen. func.: lgdogf

$$- \frac{6 (-5 + 3 x)}{(x - 1) (9 x - 13)}$$

Sequence: A139577
Score: 6.24686
Type of gen. func.: ogf

$$(1744 f(x) - 76551) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x - 9 x^{2} - f(x) + 13 x)$$

Sequence: A139577
Score: 6.35742
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 13, a(2) = 30\}$$

Sequence: A139578
Score: 12.1761
Type of gen. func.: ogf

$$\frac{x (11 x - 15)}{(x - 1)^{3}}$$

Sequence: A139578
Score: 24.3830
Type of gen. func.: lgdogf

$$2 (-17 + 11 x)$$

$$-\frac{}{(x - 1) (11 x - 15)}$$

Sequence: A139578
Score: 6.03688
Type of gen. func.: ogf

$$(15408 f(x) - 1035139) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 11 x^2 - f(x) + 15 x)$$

Sequence: A139578
Score: 6.35742
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 15, a(2) = 34\}$$

Sequence: A139579
Score: 12.2398
Type of gen. func.: ogf

$$\frac{x (13 x - 17)}{(x - 1)^3}$$

Sequence: A139579
Score: 24.5126
Type of gen. func.: lgdogf

$$-\frac{2 (-19 + 13 x)}{(x - 1) (13 x - 17)}$$

Sequence: A139579
Score: 6.06849
Type of gen. func.: ogf

$$(18992 f(x) - 1856421) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 13 x^2 - f(x) + 17 x)$$

Sequence: A139579
Score: 6.39071

Type of gen. func.: ogf

```
  {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 17, a(2) = 38}
```

Sequence: A139580
Score: 11.9099
Type of gen. func.: ogf

```
                                   x (15 x - 19)
                                   -------------
                                              3
                                     (x - 1)
```

Sequence: A139580
Score: 25.6100
Type of gen. func.: lgdogf

```
                                    6 (-7 + 5 x)
                               - -------------------
                                 (x - 1) (15 x - 19)
```

Sequence: A139580
Score: 5.80729
Type of gen. func.: ogf

```
                                3            2                  2
  -(3280 f(x) - 448017) (f(x) x  - 3 f(x) x  + 3 f(x) x - 15 x  - f(x) + 19 x)
```

Sequence: A139580
Score: 6.21842
Type of gen. func.: ogf

```
  {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 19, a(2) = 42}
```

Sequence: A139581
Score: 11.9099
Type of gen. func.: ogf

```
                                   x (17 x - 21)
                                   -------------
                                              3
                                     (x - 1)
```

Sequence: A139581
Score: 23.8438
Type of gen. func.: lgdogf

$$-\frac{2\,(-23 + 17\,x)}{(x - 1)\,(17\,x - 21)}$$

Sequence: A139581
Score: 5.71286
Type of gen. func.: ogf

$$-(27312\,f(x) - 5044825)\,(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x - 17\,x^{2} - f(x) + 21\,x)$$

Sequence: A139581
Score: 6.21842
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 0,\ a(1) = 21,\ a(2) = 46\}$$

Sequence: A139582
Score: 47.1305
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{1}{-x + 1}$$

Sequence: A139591
Score: 12.9560
Type of gen. func.: ogf

$$-\frac{x\,(7\,x + 1)}{(x + 1)\,(x - 1)^{3}}$$

Sequence: A139591
Score: 20.1964
Type of gen. func.: lgdogf

^{2}

$$-\frac{3\,(7\,x\ \ + 6\,x + 3)}{(x - 1)\,(7\,x + 1)\,(x + 1)}$$

Sequence: A139591
Score: 6.82664
Type of gen. func.: ogf

$$-(956800\,f(x) - 5200081)\,(f(x)\,x^{4} - 2\,f(x)\,x^{3} + 2\,f(x)\,x + 7\,x^{2} - f(x) + x)$$

Sequence: A139592
Score: 12.6140
Type of gen. func.: ogf

$$-\frac{2\,x\,(3\,x + 1)}{(x + 1)\,(x - 1)^{3}}$$

Sequence: A139592
Score: 20.2184
Type of gen. func.: lgdogf

$$-\frac{9\,x^{2} + 10\,x + 5}{(x - 1)\,(3\,x + 1)\,(x + 1)}$$

Sequence: A139592
Score: 6.14527
Type of gen. func.: ogf

$$-(1168\,f(x) - 6675)\,(f(x)\,x^{4} - 2\,f(x)\,x^{3} + 2\,f(x)\,x + 6\,x^{2} - f(x) + 2\,x)$$

Sequence: A139593
Score: 12.6804
Type of gen. func.: ogf

$$-\frac{x\,(5\,x + 3)}{(x + 1)\,(x - 1)^{3}}$$

Sequence: A139593
Score: 19.2278
Type of gen. func.: lgdogf

$$-\frac{15 x^{2} + 22 x + 11}{(x - 1) (5 x + 3) (x + 1)}$$

Sequence: A139593
Score: 6.23086
Type of gen. func.: ogf

$$(98688 f(x) - 713819) (f(x) x^{4} - 2 f(x) x^{3} + 2 f(x) x + 5 x^{2} - f(x) + 3 x)$$

Sequence: A139594
Score: 17.0698
Type of gen. func.: lgdogf

$$-\frac{(3 + 2 x) (x^{2} + 6 x + 3)}{(x - 1) (x + 1) (x^{2} + 3 x + 1)}$$

Sequence: A139594
Score: 4.35374
Type of gen. func.: ogf

$$\{(n^{2} - n - 6) a(n + 1) + (-2 n^{2} - 8 n - 60) a(n + 2) + (n^{2} + 9 n + 14) a(n + 3)$$

$$, a(0) = 0, a(1) = 1, a(2) = 9\}$$

Sequence: A139594
Score: 8.37257
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^{2} + 3 x + 1)}{(x - 1)^{5}}$$

Sequence: A139595
Score: 12.6804
Type of gen. func.: ogf

$$-\frac{x (5 + 3 x)}{(x + 1) (x - 1)^3}$$

Sequence: A139595
Score: 19.7619
Type of gen. func.: lgdogf

$$-\frac{9 x^2 + 26 x + 13}{(5 + 3 x) (x - 1) (x + 1)}$$

Sequence: A139595
Score: 6.23086
Type of gen. func.: ogf

$$(41088 f(x) - 344191) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x + 3 x^2 - f(x) + 5 x)$$

Sequence: A139596
Score: 12.6804
Type of gen. func.: ogf

$$-\frac{2 x (x + 3)}{(x + 1) (x - 1)^3}$$

Sequence: A139596
Score: 21.5584
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 14 x + 7}{(x - 1) (x + 3) (x + 1)}$$

Sequence: A139596

Score: 6.34018
Type of gen. func.: ogf

$$(5040 f(x) - 36067) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x + 2 x^2 - f(x) + 6 x)$$

Sequence: A139597
Score: 12.6804
Type of gen. func.: ogf

$$- \frac{x (7 + x)}{(x + 1) (x - 1)^3}$$

Sequence: A139597
Score: 21.5584
Type of gen. func.: lgdogf

$$- \frac{3 (x^2 + 10 x + 5)}{(x - 1) (7 + x) (x + 1)}$$

Sequence: A139597
Score: 6.02317
Type of gen. func.: ogf

$$(1620352 f(x) - 12042055) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x + x^2 - f(x) + 7 x)$$

Sequence: A139598
Score: 16.0618
Type of gen. func.: ogf

$$- \frac{8 x}{(x + 1) (x - 1)^3}$$

Sequence: A139598
Score: 32.3376
Type of gen. func.: lgdogf

$$2 (2 x + 1)$$

```
                               - ---------------
                                 (x - 1) (x + 1)



------------------------------------------------------------------------------

Sequence:  A139598
Score: 34.2090
Type of gen. func.: ogf_with_Euler_transform]


                                    [x + 2]



------------------------------------------------------------------------------

Sequence:  A139598
Score: 5.39388
Type of gen. func.: ogf


{(n + 2) a(n + 3) - 2 a(n + 2) + (-n - 4) a(n + 1), a(0) = 0, a(1) = 8,

    a(2) = 16}



------------------------------------------------------------------------------

Sequence:  A139598
Score: 7.30081
Type of gen. func.: ogf


                               4           3
           (3 f(x) - 4) (f(x) x  - 2 f(x) x  + 2 f(x) x - f(x) + 8 x)



------------------------------------------------------------------------------

Sequence:  A139606
Score: 18.2633
Type of gen. func.: ogf


                                  3 (3 x + 2)
                                  -----------
                                          2
                                   (x - 1)



------------------------------------------------------------------------------

Sequence:  A139606
Score: 27.7920
Type of gen. func.: revogf


                                                 1/2
                              -3 - x + (9 + 15 x)
                            - -----------------------
                                      -9 + x



------------------------------------------------------------------------------
```

Sequence: A139606
Score: 36.6349
Type of gen. func.: lgdogf

$$-\frac{7 + 3 x}{(3 x + 2) (x - 1)}$$

Sequence: A139606
Score: 9.44656
Type of gen. func.: ogf

$$(10 f(x) + 87) (f(x) x^{2} - 2 f(x) x + f(x) - 9 x - 6)$$

Sequence: A139606
Score: 9.90181
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 6, a(1) = 21\}$$

Sequence: A139607
Score: 15.9056
Type of gen. func.: ogf

$$\frac{7 (2 x + 1)}{(x - 1)^{2}}$$

Sequence: A139607
Score: 8.12952
Type of gen. func.: ogf

$$(33 f(x) + 1561) (f(x) x^{2} - 2 f(x) x + f(x) - 14 x - 7)$$

Sequence: A139607
Score: 8.52586
Type of gen. func.: lgdogf

$$\frac{2 (4230 x^{44} + 2115 x^{43} + 2350 x^{42} + 126 x + 252)}{\quad^{43} \qquad ^{42} \qquad ^{2}}$$

$$1645 x + 1175 x - 252 x + 126 x + 126$$

Sequence: A139607
Score: 8.81514
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 7, a(1) = 28\}$$

Sequence: A139608
Score: 18.0293
Type of gen. func.: ogf

$$\frac{4 (5 x + 2)}{(x - 1)^{2}}$$

Sequence: A139608
Score: 26.2484
Type of gen. func.: revogf

$$- \frac{-4 - x + 2 (4 + 7 x)^{1/2}}{-20 + x}$$

Sequence: A139608
Score: 36.9864
Type of gen. func.: lgdogf

$$- \frac{9 + 5 x}{(5 x + 2) (x - 1)}$$

Sequence: A139608
Score: 9.42442
Type of gen. func.: ogf

$$(7 f(x) + 106) (f(x) x^{2} - 2 f(x) x + f(x) - 20 x - 8)$$

Sequence: A139608

Score: 9.99214
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 8, a(1) = 36\}$$

Sequence: A139609
Score: 17.7570
Type of gen. func.: ogf

$$\frac{9 (3 x + 1)}{(x - 1)^2}$$

Sequence: A139609
Score: 21.0879
Type of gen. func.: revogf

$$-\frac{-9 - 2 x + 3 (9 + 16 x)^{1/2}}{2 (-27 + x)}$$

Sequence: A139609
Score: 36.4245
Type of gen. func.: lgdogf

$$-\frac{5 + 3 x}{(3 x + 1) (x - 1)}$$

Sequence: A139609
Score: 9.07582
Type of gen. func.: ogf

$$(56 f(x) + 5121) (f(x) x^2 - 2 f(x) x + f(x) - 27 x - 9)$$

Sequence: A139609
Score: 9.84124
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 9, a(1) = 45\}$$

Sequence: A139610
Score: 15.5250
Type of gen. func.: ogf

$$\frac{5 (7 x + 2)}{(x - 1)^2}$$

Sequence: A139610
Score: 23.0525
Type of gen. func.: revogf

$$- \frac{-5 - x + (25 + 45 x)^{1/2}}{-35 + x}$$

Sequence: A139610
Score: 31.0708
Type of gen. func.: lgdogf

$$- \frac{11 + 7 x}{(7 x + 2) (x - 1)}$$

Sequence: A139610
Score: 8.10748
Type of gen. func.: ogf

$$(18 f(x) + 425) (f(x) x^2 - 2 f(x) x + f(x) - 35 x - 10)$$

Sequence: A139610
Score: 8.68658
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 10, a(1) = 55\}$$

Sequence: A139611
Score: 15.3483
Type of gen. func.: ogf

$$\frac{11 (4 x + 1)}{(x - 1)^2}$$

Sequence: A139611
Score: 17.6605
Type of gen. func.: revogf

$$- \frac{-11 - 2 x + (121 + 220 x)^{1/2}}{2 (-44 + x)}$$

Sequence: A139611
Score: 29.4342
Type of gen. func.: lgdogf

$$- \frac{2 (3 + 2 x)}{(4 x + 1) (x - 1)}$$

Sequence: A139611
Score: 8.10528
Type of gen. func.: ogf

$$(5 f(x) + 143) (f(x) x^2 - 2 f(x) x + f(x) - 44 x - 11)$$

Sequence: A139611
Score: 8.58774
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 11, a(1) = 66\}$$

Sequence: A139612
Score: 15.5869
Type of gen. func.: ogf

$$\frac{6 (9 x + 2)}{(x - 1)^2}$$

Sequence: A139612
Score: 23.1494
Type of gen. func.: revogf

$$-\frac{-6 - x + (36 + 66 x)^{1/2}}{-54 + x}$$

Sequence: A139612
Score: 31.2014
Type of gen. func.: lgdogf

$$-\frac{13 + 9 x}{(9 x + 2) (x - 1)}$$

Sequence: A139612
Score: 8.13981
Type of gen. func.: ogf

$$(11 f(x) + 375) (f(x) x^2 - 2 f(x) x + f(x) - 54 x - 12)$$

Sequence: A139612
Score: 8.72123
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 12, a(1) = 78\}$$

Sequence: A139613
Score: 15.2493
Type of gen. func.: ogf

$$\frac{13 (1 + 5 x)}{(x - 1)^2}$$

Sequence: A139613
Score: 17.5466
Type of gen. func.: revogf

$$-\frac{-13 - 2 x + (169 + 312 x)^{1/2}}{2 (-65 + x)}$$

Sequence: A139613
Score: 31.9029
Type of gen. func.: lgdogf

$$-\frac{7 + 5 x}{(1 + 5 x) (x - 1)}$$

Sequence: A139613
Score: 7.96355
Type of gen. func.: ogf

$$(12 f(x) + 481) (f(x) x^2 - 2 f(x) x + f(x) - 65 x - 13)$$

Sequence: A139613
Score: 8.53237
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 13, a(1) = 91\}$$

Sequence: A139614
Score: 15.4864
Type of gen. func.: ogf

$$\frac{7 (11 x + 2)}{(x - 1)^2}$$

Sequence: A139614
Score: 23.0002
Type of gen. func.: revogf

$$-\frac{-7 - x + (49 + 91 x)^{1/2}}{-77 + x}$$

Sequence: A139614
Score: 28.5202
Type of gen. func.: lgdogf

$$-\frac{15 + 11 x}{(11 x + 2) (x - 1)}$$

Sequence: A139614
Score: 7.99846
Type of gen. func.: ogf

$$(26 f(x) + 1211) (f(x) x^2 - 2 f(x) x + f(x) - 77 x - 14)$$

Sequence: A139614
Score: 8.56306
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 14, a(1) = 105\}$$

Sequence: A139615
Score: 15.5654
Type of gen. func.: ogf

$$\frac{15 (6 x + 1)}{(x - 1)^2}$$

Sequence: A139615
Score: 17.9180
Type of gen. func.: revogf

$$-\frac{-15 - 2 x + (225 + 420 x)^{1/2}}{2 (-90 + x)}$$

Sequence: A139615
Score: 29.8633
Type of gen. func.: lgdogf

$$-\frac{2(3x+4)}{(6x+1)(x-1)}$$

Sequence: A139615
Score: 8.21993
Type of gen. func.: ogf

$$(7 f(x) + 375) (f(x) x^2 - 2 f(x) x + f(x) - 90 x - 15)$$

Sequence: A139615
Score: 8.60674
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 15, a(1) = 120\}$$

Sequence: A139616
Score: 15.3185
Type of gen. func.: ogf

$$\frac{8(13x+2)}{(x-1)^2}$$

Sequence: A139616
Score: 21.1892
Type of gen. func.: revogf

$$-\frac{-8 - x + 2 (16 + 30 x)^{1/2}}{-104 + x}$$

Sequence: A139616
Score: 28.8173
Type of gen. func.: lgdogf

$$-\frac{17 + 13x}{(13x+2)(x-1)}$$

Sequence: A139616
Score: 8.08008
Type of gen. func.: ogf

$$(15 f(x) + 916) (f(x) x^2 - 2 f(x) x + f(x) - 104 x - 16)$$

Sequence: A139616
Score: 8.65044
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 16, a(1) = 136\}$$

Sequence: A139617
Score: 14.9092
Type of gen. func.: ogf

$$\frac{17 (7 x + 1)}{(x - 1)^2}$$

Sequence: A139617
Score: 17.0948
Type of gen. func.: revogf

$$- \frac{-17 - 2 x + (289 + 544 x)^{1/2}}{2 (-119 + x)}$$

Sequence: A139617
Score: 31.8585
Type of gen. func.: lgdogf

$$- \frac{7 x + 9}{(7 x + 1) (x - 1)}$$

Sequence: A139617
Score: 7.77872
Type of gen. func.: ogf

$$(16 f(x) + 1105) (f(x) x^2 - 2 f(x) x + f(x) - 119 x - 17)$$

Sequence: A139617
Score: 8.41933
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 17, a(1) = 153\}$$

Sequence: A139618
Score: 14.9861
Type of gen. func.: ogf

$$\frac{9 (15 x + 2)}{(x - 1)^2}$$

Sequence: A139618
Score: 21.3508
Type of gen. func.: revogf

$$- \frac{-9 - x + 3 (9 + 17 x)^{1/2}}{-135 + x}$$

Sequence: A139618
Score: 28.1830
Type of gen. func.: lgdogf

$$- \frac{19 + 15 x}{(15 x + 2) (x - 1)}$$

Sequence: A139618
Score: 7.81882
Type of gen. func.: ogf

$$(34 f(x) + 2637) (f(x) x^2 - 2 f(x) x + f(x) - 135 x - 18)$$

Sequence: A139618
Score: 8.46273
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 18, a(1) = 171\}$$

Sequence: A139619
Score: 15.0629
Type of gen. func.: ogf

$$\frac{19 (8 x + 1)}{(x - 1)^2}$$

Sequence: A139619
Score: 17.2748
Type of gen. func.: revogf

$$- \frac{-19 - 2 x + (361 + 684 x)^{1/2}}{2 (-152 + x)}$$

Sequence: A139619
Score: 29.5110
Type of gen. func.: lgdogf

$$- \frac{2 (5 + 4 x)}{(8 x + 1) (x - 1)}$$

Sequence: A139619
Score: 8.03356
Type of gen. func.: ogf

$$(9 f(x) + 779) (f(x) x^2 - 2 f(x) x + f(x) - 152 x - 19)$$

Sequence: A139619
Score: 8.50612
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 19, a(1) = 190\}$$

Sequence: A139620
Score: 15.0629
Type of gen. func.: ogf

$$\frac{10\,(17\,x+2)}{(x-1)^{2}}$$

Sequence: A139620
Score: 20.2361
Type of gen. func.: revogf

$$-\frac{-10-x+(100+190\,x)^{1/2}}{-170+x}$$

Sequence: A139620
Score: 28.3306
Type of gen. func.: lgdogf

$$-\frac{21+17\,x}{(17\,x+2)\,(x-1)}$$

Sequence: A139620
Score: 7.85892
Type of gen. func.: ogf

$$(19\,f(x)+1825)\,(f(x)\,x^{2}-2\,f(x)\,x+f(x)-170\,x-20)$$

Sequence: A139620
Score: 8.50612
Type of gen. func.: ogf

$$\{-a(n+2)+2\,a(n+1)-a(n),\ a(0)=20,\ a(1)=210\}$$

Sequence: A139626
Score: 10.6464
Type of gen. func.: ogf

$$-\frac{1}{(6x-1)^{5}}$$

Sequence: A139626
Score: 56.6692
Type of gen. func.: lgdogf

$$-\frac{30}{6x-1}$$

Sequence: A139626
Score: 6.52843
Type of gen. func.: ogf

$$\{(-n-2)\,a(n+2)+(36+6n)\,a(n+1),\ a(0)=1,\ a(1)=30\}$$

Sequence: A139631
Score: 10.0635
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{17}-x^{14}-x^{13}-x^{5}-x^{4}-x}{-x^{20}+1}$$

Sequence: A139634
Score: 14.8161
Type of gen. func.: ogf

$$\frac{8x+1}{(2x-1)(x-1)}$$

Sequence: A139634
Score: 16.3314
Type of gen. func.: lgdogf

$$-\frac{16x^{2}+4x-11}{}$$

$$(x - 1) (8 x + 1) (2 x - 1)$$

Sequence: A139634
Score: 16.7502
Type of gen. func.: revogf

$$- \frac{-1 - 3 x + (x^2 + 38 x + 1)^{1/2}}{4 (-4 + x)}$$

Sequence: A139634
Score: 7.6635
Type of gen. func.: ogf

$$(29 f(x) + 92) (2 f(x) x^2 - 3 f(x) x + f(x) - 8 x - 1)$$

Sequence: A139634
Score: 8.03283
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 11\}$$

Sequence: A139635
Score: 16.8647
Type of gen. func.: ogf

$$\frac{9 x + 1}{(2 x - 1) (x - 1)}$$

Sequence: A139635
Score: 18.1750
Type of gen. func.: revogf

$$- \frac{-1 - 3 x + (x^2 + 42 x + 1)^{1/2}}{2 (-9 + 2 x)}$$

Sequence: A139635

Score: 18.6294
Type of gen. func.: lgdogf

$$-\frac{2\,(9\,x^2 + 2\,x - 6)}{(x - 1)\,(2\,x - 1)\,(9\,x + 1)}$$

Sequence: A139635
Score: 8.92837
Type of gen. func.: ogf

$$(2\,f(x) + 7)\,(2\,f(x)\,x^2 - 3\,f(x)\,x + f(x) - 9\,x - 1)$$

Sequence: A139635
Score: 9.14352
Type of gen. func.: ogf

$$\{-a(n + 2) + 3\,a(n + 1) - 2\,a(n),\ a(0) = 1,\ a(1) = 12\}$$

Sequence: A139641
Score: 4.99821
Type of gen. func.: ogf

$$\{(-n - 2)\,a(n + 2) + (42 + 7\,n)\,a(n + 1),\ a(0) = 1,\ a(1) = 35\}$$

Sequence: A139641
Score: 43.2065
Type of gen. func.: lgdogf

$$-\frac{35}{-1 + 7\,x}$$

Sequence: A139641
Score: 7.90761
Type of gen. func.: ogf

$$-\frac{1}{(-1 + 7\,x)^5}$$

Sequence: A139672
Score: 11.6393
Type of gen. func.: lgdogf

$$-\frac{13x^5+15x^4+21x^3+13x^2+8x+2}{(x-1)(x+1)(x^2+1)(x^2+x+1)}$$

Sequence: A139672
Score: 23.5930
Type of gen. func.: ogf_with_Euler_transform]

$$x^3+x^2+2x+2$$

Sequence: A139672
Score: 7.18649
Type of gen. func.: ogf

$$\frac{1}{(x^2+1)(x^2+x+1)(x+1)^3(x-1)^6}$$

Sequence: A139678
Score: 19.5595
Type of gen. func.: lgdegf]

$$-\frac{(x-2)(x^2+x+2)}{2(x-1)^2}$$

Sequence: A139697
Score: 16.5727
Type of gen. func.: ogf

$$\frac{10x+1}{(2x-1)(x-1)}$$

Sequence: A139697
Score: 18.2588
Type of gen. func.: lgdogf

$$-\frac{20 x^2 + 4 x - 13}{(x - 1) (10 x + 1) (2 x - 1)}$$

Sequence: A139697
Score: 19.1951
Type of gen. func.: revogf

$$-\frac{-1 - 3 x + (x^2 + 46 x + 1)^{1/2}}{4 (-5 + x)}$$

Sequence: A139697
Score: 8.56568
Type of gen. func.: ogf

$$(35 f(x) + 134) (2 f(x) x^2 - 3 f(x) x + f(x) - 10 x - 1)$$

Sequence: A139697
Score: 9.18489
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 13\}$$

Sequence: A139698
Score: 10.8743
Type of gen. func.: revegf]

$$1/2 \ln(2 x - 23) + 1/2 \ln((50 x + 1)^{1/2} + 24) - 1/2 \ln((50 x + 1)^{1/2} - 24) - \ln(5)$$

Sequence: A139698
Score: 17.3193
Type of gen. func.: ogf

$$\frac{23 x + 1}{(2 x - 1) (x - 1)}$$

Sequence: A139698
Score: 18.2081
Type of gen. func.: lgdogf

$$-\frac{2 (23 x^2 + 2 x - 13)}{(x - 1) (2 x - 1) (23 x + 1)}$$

Sequence: A139698
Score: 8.95152
Type of gen. func.: ogf

$$(37 f(x) + 301) (2 f(x) x^2 - 3 f(x) x + f(x) - 23 x - 1)$$

Sequence: A139698
Score: 9.59863
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 26\}$$

Sequence: A139700
Score: 16.3405
Type of gen. func.: ogf

$$\frac{28 x + 1}{(2 x - 1) (x - 1)}$$

Sequence: A139700
Score: 18.0015
Type of gen. func.: lgdogf

$$-\frac{56 x^2 + 4 x - 31}{(x - 1) (2 x - 1) (28 x + 1)}$$

Sequence: A139700
Score: 18.0015
Type of gen. func.: revogf

$$-\frac{-1 - 3 x + (x^2 + 118 x + 1)^{1/2}}{4 (-14 + x)}$$

Sequence: A139700
Score: 8.44567
Type of gen. func.: ogf

$$(89 f(x) + 872) (2 f(x) x^2 - 3 f(x) x + f(x) - 28 x - 1)$$

Sequence: A139700
Score: 9.05620
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 31\}$$

Sequence: A139701
Score: 16.5437
Type of gen. func.: ogf

$$\frac{98 x + 1}{(2 x - 1) (x - 1)}$$

Sequence: A139701
Score: 17.3847
Type of gen. func.: lgdogf

$$-\frac{196 x^2 + 4 x - 101}{(x - 1) (2 x - 1) (98 x + 1)}$$

Sequence: A139701
Score: 18.2327
Type of gen. func.: revogf

2 1/2

$$-\frac{-1 - 3 x + (x + 398 x + 1)}{4 (-49 + x)}$$

Sequence: A139701
Score: 8.36273
Type of gen. func.: ogf

$$(299 f(x) + 9902) (2 f(x) x^{2} - 3 f(x) x + f(x) - 98 x - 1)$$

Sequence: A139701
Score: 9.05964
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 101\}$$

Sequence: A139704
Score: 6.89274
Type of gen. func.: ogf

$$-\frac{9 x^{10} - x^{9} - x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - 2 x - 10}{(x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A139714
Score: 4.23446
Type of gen. func.: ogf

$$-(49 f(x)^{2} - 40 f(x) - 21) (2 f(x) x^{5} - 5 f(x) x^{4} + 10 f(x) x^{3} + x^{4}$$
$$- 10 f(x) x^{2} - 2 x^{3} + 5 f(x) x + x^{2} - f(x))$$

Sequence: A139714
Score: 8.66361
Type of gen. func.: ogf

$$-\frac{x^{2} (x - 1)^{2}}{(2 x - 1) (x^{4} - 2 x^{3} + 4 x^{2} - 3 x + 1)}$$

Sequence: A139714
Score: 9.82399
Type of gen. func.: lgdogf

$$-\frac{6x^5 - 20x^4 + 30x^3 - 30x^2 + 15x - 3}{(x-1)(2x-1)(x^4 - 2x^3 + 4x^2 - 3x + 1)}$$

Sequence: A139740
Score: 11.3445
Type of gen. func.: ogf

$$-22 f(x) x^2 + 13 f(x) x - f(x) + 9 x$$

Sequence: A139740
Score: 17.0757
Type of gen. func.: revogf

$$-\frac{-9 - 13x + 3(9x^2 + 26x + 9)^{1/2}}{44x}$$

Sequence: A139740
Score: 17.7439
Type of gen. func.: ogf

$$\frac{9x}{(11x-1)(2x-1)}$$

Sequence: A139740
Score: 23.5526
Type of gen. func.: lgdogf

$$-\frac{-13 + 44x}{(11x-1)(2x-1)}$$

Sequence: A139740
Score: 8.33752
Type of gen. func.: ogf

$$\{a(n+2) - 13 a(n+1) + 22 a(n), a(0) = 0, a(1) = 9\}$$

Sequence: A139741
Score: 11.3445
Type of gen. func.: ogf

$$-33 f(x) x^2 + 14 f(x) x - f(x) + 8 x$$

Sequence: A139741
Score: 14.8484
Type of gen. func.: revogf

$$-\frac{-4 - 7 x + 2 (2 x^2 + 7 x + 2)^{1/2} 2^{1/2}}{33 x}$$

Sequence: A139741
Score: 17.7439
Type of gen. func.: ogf

$$\frac{8 x}{(11 x - 1) (3 x - 1)}$$

Sequence: A139741
Score: 23.5526
Type of gen. func.: lgdogf

$$-\frac{2 (-7 + 33 x)}{(11 x - 1) (3 x - 1)}$$

Sequence: A139741
Score: 8.33752
Type of gen. func.: ogf

$$\{a(n+2) - 14 a(n+1) + 33 a(n), a(0) = 0, a(1) = 8\}$$

Sequence: A139742
Score: 11.3445
Type of gen. func.: ogf

$$-44 f(x) x^2 + 15 f(x) x - f(x) + 7 x$$

Sequence: A139742
Score: 14.8484
Type of gen. func.: revogf

$$-\frac{-7 - 15 x + (7 x^2 + 30 x + 7)^{1/2} 7^{1/2}}{88 x}$$

Sequence: A139742
Score: 17.7439
Type of gen. func.: ogf

$$\frac{7 x}{(11 x - 1) (4 x - 1)}$$

Sequence: A139742
Score: 23.5526
Type of gen. func.: lgdogf

$$-\frac{-15 + 88 x}{(11 x - 1) (4 x - 1)}$$

Sequence: A139742
Score: 8.33752
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1) + 44 a(n), a(0) = 0, a(1) = 7\}$$

Sequence: A139743
Score: 11.2954
Type of gen. func.: ogf

$$-55 f(x) x^2 + 16 f(x) x - f(x) + 6 x$$

Sequence: A139743
Score: 15.1118
Type of gen. func.: revogf

$$-\frac{-8 x - 3 + (3 x^2 + 16 x + 3)^{1/2} 3^{1/2}}{55 x}$$

Sequence: A139743
Score: 17.6671
Type of gen. func.: ogf

$$\frac{6 x}{(11 x - 1) (5 x - 1)}$$

Sequence: A139743
Score: 23.4493
Type of gen. func.: lgdogf

$$-\frac{2 (-8 + 55 x)}{(11 x - 1) (5 x - 1)}$$

Sequence: A139743
Score: 8.30142
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1) + 55 a(n), a(0) = 0, a(1) = 6\}$$

Sequence: A139744
Score: 11.2954
Type of gen. func.: ogf

$$-66 f(x) x^2 + 17 f(x) x - f(x) + 5 x$$

Sequence: A139744
Score: 14.4687
Type of gen. func.: revogf

$$-\frac{-5 - 17 x + (5 x^2 + 34 x + 5)^{1/2} 5^{1/2}}{132 x}$$

Sequence: A139744
Score: 17.6671
Type of gen. func.: ogf

$$\frac{5 x}{(11 x - 1) (6 x - 1)}$$

Sequence: A139744
Score: 23.4493
Type of gen. func.: lgdogf

$$-\frac{-17 + 132 x}{(11 x - 1) (6 x - 1)}$$

Sequence: A139744
Score: 8.30142
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1) + 66 a(n), a(0) = 0, a(1) = 5\}$$

Sequence: A139745
Score: 11.2463
Type of gen. func.: ogf

$$-77 f(x) x^2 + 18 f(x) x - f(x) + 4 x$$

Sequence: A139745
Score: 17.5903
Type of gen. func.: ogf

$$\frac{4 x}{(11 x - 1) (-1 + 7 x)}$$

Sequence: A139745
Score: 18.8065
Type of gen. func.: revogf

$$-\frac{-2 - 9 x + 2 (x^{2} + 9 x + 1)^{1/2}}{77 x}$$

Sequence: A139745
Score: 23.3460
Type of gen. func.: lgdogf

$$-\frac{2 (-9 + 77 x)}{(11 x - 1) (-1 + 7 x)}$$

Sequence: A139745
Score: 8.26533
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1) + 77 a(n), a(0) = 0, a(1) = 4\}$$

Sequence: A139746
Score: 11.2463
Type of gen. func.: ogf

$$-88 f(x) x^{2} + 19 f(x) x - f(x) + 3 x$$

Sequence: A139746
Score: 14.4050
Type of gen. func.: revogf

$$-\frac{-3 - 19 x + (3 x^{2} + 38 x + 3)^{1/2} 3^{1/2}}{176 x}$$

Sequence: A139746
Score: 17.5903

Type of gen. func.: ogf

$$\frac{3 x}{(11 x - 1) (8 x - 1)}$$

Sequence: A139746
Score: 23.3460
Type of gen. func.: lgdogf

$$- \frac{-19 + 176 x}{(11 x - 1) (8 x - 1)}$$

Sequence: A139746
Score: 8.26533
Type of gen. func.: ogf

$$\{a(n + 2) - 19 a(n + 1) + 88 a(n), a(0) = 0, a(1) = 3\}$$

Sequence: A139747
Score: 11.1972
Type of gen. func.: ogf

$$-99 f(x) x^2 + 20 f(x) x - f(x) + 2 x$$

Sequence: A139747
Score: 17.5135
Type of gen. func.: ogf

$$\frac{2 x}{(11 x - 1) (9 x - 1)}$$

Sequence: A139747
Score: 18.7233
Type of gen. func.: revogf

$$- \frac{-1 - 10 x + (x^2 + 20 x + 1)^{1/2}}{99 x}$$

Sequence: A139747
Score: 22.4680
Type of gen. func.: lgdogf

$$-\frac{2(-10+99x)}{(11x-1)(9x-1)}$$

Sequence: A139747
Score: 8.22923
Type of gen. func.: ogf

$$\{a(n+2)-20a(n+1)+99a(n),\ a(0)=0,\ a(1)=2\}$$

Sequence: A139748
Score: 5.90692
Type of gen. func.: ogf

$$-2f(x)x^5+5f(x)x^4-10f(x)x^3+x^4+10f(x)x^2-x^3-5f(x)x+f(x)$$

Sequence: A139748
Score: 9.49594
Type of gen. func.: ogf

$$\frac{x^3(x-1)}{(2x-1)(x^4-2x^3+4x^2-3x+1)}$$

Sequence: A139748
Score: 9.82399
Type of gen. func.: lgdogf

$$-\frac{8x^5-25x^4+40x^3-40x^2+20x-4}{(x-1)(2x-1)(x^4-2x^3+4x^2-3x+1)}$$

Sequence: A139756
Score: 17.6495

Type of gen. func.: ogf

$$\frac{x^2}{(2x-1)^2}$$

Sequence: A139756
Score: 58.7480
Type of gen. func.: lgdogf

$$-\frac{4}{2x-1}$$

Sequence: A139756
Score: 6.53030
Type of gen. func.: ogf

{-a(n + 3) + 4 a(n + 2) - 4 a(n + 1), a(0) = 0, a(1) = 0, a(2) = 1}

Sequence: A139756
Score: 8.48091
Type of gen. func.: ogf

$$f(x)\,(4\,f(x)\,x^2 - 4\,f(x)\,x - x^2 + f(x))$$

Sequence: A139757
Score: 10.3922
Type of gen. func.: ogf

$$\frac{9x^2 + 14x + 1}{(x-1)^4}$$

Sequence: A139757
Score: 19.2735
Type of gen. func.: lgdogf

$$-\frac{6\,(x+3)\,(3x+1)}{}$$

$$(x - 1) (9 x^2 + 14 x + 1)$$

Sequence: A139757
Score: 5.15925
Type of gen. func.: ogf

$$(918000 f(x) + 9659003)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 9 x^2 + f(x) - 14 x - 1)$$

Sequence: A139760
Score: 14.5343
Type of gen. func.: ogf

$$- \frac{8 x - 1}{(16 x - 1) (x - 1)}$$

Sequence: A139760
Score: 14.9185
Type of gen. func.: revogf

$$- \frac{-1 - 17 x + (225 x^2 + 2 x + 1)^{1/2}}{16 (2 x + 1)}$$

Sequence: A139760
Score: 16.7833
Type of gen. func.: lgdogf

$$- \frac{128 x^2 - 32 x + 9}{(x - 1) (8 x - 1) (16 x - 1)}$$

Sequence: A139760
Score: 7.26713
Type of gen. func.: ogf

$$-(121 f(x) - 40) (16 f(x) x^2 - 17 f(x) x + f(x) + 8 x - 1)$$

Sequence: A139760
Score: 8.13226
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1) + 16 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A139761
Score: 12.2397
Type of gen. func.: lgdogf

$$- \frac{5 (2 x^4 - 4 x^3 + 6 x^2 - 4 x + 1)}{(2 x - 1) (x^4 - 2 x^3 + 4 x^2 - 3 x + 1)}$$

Sequence: A139761
Score: 12.6546
Type of gen. func.: ogf

$$- \frac{x^4}{(2 x - 1) (x^4 - 2 x^3 + 4 x^2 - 3 x + 1)}$$

Sequence: A139761
Score: 6.27414
Type of gen. func.: ogf

$$2 f(x) x^5 - 5 f(x) x^4 + 10 f(x) x^3 + x^4 - 10 f(x) x^2 + 5 f(x) x - f(x)$$

Sequence: A139763
Score: 3.33104
Type of gen. func.: ogf

$$(675 f(x) - 1073)$$

$$(2 f(x) x^4 + f(x) x^3 + f(x) x^2 - 2 x^3 + f(x) x - f(x) + x + 1)$$

Sequence: A139763

Score: 5.85577
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^{6}-4\,x^{4}-7\,x^{3}+x^{2}-x-1)}{(x-1)\,(2\,x-1)\,(x+1)\,(x^{2}+1)\,(2\,x^{2}+2\,x+1)}$$

Sequence: A139763
Score: 6.46899
Type of gen. func.: ogf

$$\frac{(x-1)\,(2\,x^{2}+2\,x+1)}{(2\,x-1)\,(x+1)\,(x^{2}+1)}$$

Sequence: A139782
Score: 11.1302
Type of gen. func.: ogf

$$-\frac{(x-1)^{2}}{(3\,x-1)\,(x^{2}-x+1)}$$

Sequence: A139782
Score: 14.7947
Type of gen. func.: lgdogf

$$-\frac{3\,x^{3}-9\,x^{2}+4\,x-2}{(x-1)\,(3\,x-1)\,(x^{2}-x+1)}$$

Sequence: A139782
Score: 6.00834
Type of gen. func.: ogf

$$(41\,f(x)-56)\,(3\,f(x)\,x^{3}-4\,f(x)\,x^{2}+4\,f(x)\,x+x^{2}-f(x)-2\,x+1)$$

Sequence: A139782
Score: 6.06199
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 4 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A139784
Score: 6.83828
Type of gen. func.: lgdogf

$$-\frac{2 (40 x^{12} - 16 x^{11} - 46 x^{8} + 16 x^{7} + 19 x^{4} - 6 x^{3} - 1)}{(x - 1) (2 x - 1) (x + 1) (2 x^{2} + 1) (2 x^{2} - 1) (x^{2} + 1) (2 x^{4} - 1)}$$

Sequence: A139784
Score: 9.55605
Type of gen. func.: ogf

$$\frac{x^{4} (2 x^{4} - 1)}{(x - 1) (2 x - 1) (x + 1) (2 x^{2} + 1) (2 x^{2} - 1) (x^{2} + 1)}$$

Sequence: A139788
Score: 10.9888
Type of gen. func.: ogf

$$-\frac{5 x^{4} + 9 x^{3} + 3 x^{2} + 7 x + 1}{(x - 1) (x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A139788
Score: 6.69945
Type of gen. func.: lgdogf

$$-\frac{5 x^{8} + 18 x^{7} + 9 x^{6} + 28 x^{5} + 5 x^{4} + 20 x^{3} + 27 x^{2} + 6 x + 7}{(x - 1) (x^{4} + x^{3} + x^{2} + x + 1) (5 x^{4} + 9 x^{3} + 3 x^{2} + 7 x + 1)}$$

Sequence: A139790
Score: 13.2090
Type of gen. func.: ogf

$$-\frac{3 x^2 + x - 1}{(x + 1) (2 x - 1)^2}$$

Sequence: A139790
Score: 16.1013
Type of gen. func.: lgdogf

$$-\frac{6 x^3 + 7 x^2 + 2 x - 2}{(2 x - 1) (x + 1) (3 x^2 + x - 1)}$$

Sequence: A139790
Score: 7.44765
Type of gen. func.: ogf

$$(8 f(x) - 21) (4 f(x) x^3 - 3 f(x) x + 3 x^2 + f(x) + x - 1)$$

Sequence: A139790
Score: 7.44765
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 4 a(n), a(0) = 1, a(1) = 2, a(2) = 3\}$$

Sequence: A139792
Score: 14.7849
Type of gen. func.: ogf

$$-\frac{6 x - 1}{(16 x - 1) (x - 1)}$$

Sequence: A139792
Score: 15.1802
Type of gen. func.: revogf

$$-\frac{-1 - 17 x + (225 x^2 + 10 x + 1)^{1/2}}{4 (8 x + 3)}$$

Sequence: A139792
Score: 17.0778
Type of gen. func.: lgdogf

$$-\frac{96 x^2 - 32 x + 11}{(x - 1) (6 x - 1) (16 x - 1)}$$

Sequence: A139792
Score: 7.39242
Type of gen. func.: ogf

$$-(155 f(x) - 34) (16 f(x) x^2 - 17 f(x) x + f(x) + 6 x - 1)$$

Sequence: A139792
Score: 8.17515
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1) + 16 a(n), a(0) = 1, a(1) = 11\}$$

Sequence: A139797
Score: 7.17621
Type of gen. func.: ogf

$$-\frac{x^4}{(2 x - 1) (x^2 - x + 1) (x + 1)^2}$$

Sequence: A139797
Score: 8.5615
Type of gen. func.: ogf

$$2 f(x) x^5 + f(x) x^4 - f(x) x^3 + x^4 + 2 f(x) x^2 + f(x) x - f(x)$$

Sequence: A139797
Score: 9.51628
Type of gen. func.: lgdogf

$$-\frac{10 x^3 - 6 x^2 + 3 x + 1}{(2 x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A139798
Score: 18.2814
Type of gen. func.: lgdogf

$$-\frac{2 (6 x^2 - 22 x + 19)}{(x - 1) (x - 2) (3 x - 4)}$$

Sequence: A139798
Score: 7.96402
Type of gen. func.: ogf

$$\frac{(3 x - 4) (x - 2)}{(x - 1)^6}$$

Sequence: A139800
Score: 11.9065
Type of gen. func.: lgdogf

$$-\frac{2 x^3 (x^3 + 2 x^2 + 3 x - 4)}{(2 x - 1) (x + 1) (x^2 + 1) (x^3 + x^2 + x - 1)}$$

Sequence: A139800
Score: 6.45033
Type of gen. func.: ogf

$$2 f(x) x^4 + f(x) x^3 + f(x) x^2 - x^3 + f(x) x - x^2 - f(x) - x + 1$$

Sequence: A139800
Score: 9.63362
Type of gen. func.: ogf

$$\frac{x^3 + x^2 + x - 1}{(2 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A139806
Score: 10.5791
Type of gen. func.: ogf

$$- \frac{4 x^3 + 3 x^2 + 2 x + 1}{(2 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A139806
Score: 5.81849
Type of gen. func.: ogf

$$(107 f(x) + 87)$$

$$(2 f(x) x^4 + f(x) x^3 + f(x) x^2 + 4 x^3 + f(x) x + 3 x^2 - f(x) + 2 x + 1)$$

Sequence: A139806
Score: 9.52957
Type of gen. func.: lgdogf

$$- \frac{8 x^6 + 12 x^5 + 11 x^4 + 4 x^3 + 14 x^2 + 8 x + 3}{(2 x - 1) (x + 1) (x^2 + 1) (4 x^3 + 3 x^2 + 2 x + 1)}$$

Sequence: A139814
Score: 5.10837
Type of gen. func.: ogf

$$-(153 f(x) + 157)$$

$$(2 f(x) x^4 + f(x) x^3 + f(x) x^2 + 3 x^3 + f(x) x + 2 x^2 - f(x) + x)$$

Sequence: A139814
Score: 9.85822
Type of gen. func.: lgdogf

$$-\frac{12x^5+15x^4+12x^3+2x^2+8x+3}{(2x-1)(x+1)(x^2+1)(3x^2+2x+1)}$$

Sequence: A139814
Score: 9.86686
Type of gen. func.: ogf

$$-\frac{x(3x^2+2x+1)}{(2x-1)(x+1)(x^2+1)}$$

Sequence: A139817
Score: 6.66422
Type of gen. func.: ogf

$$-\frac{x(x^{10}-x^9+2x^7-x^6+2x^4-x^3+1)}{(2x-1)(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x-1)^2}$$

Sequence: A139818
Score: 11.2378
Type of gen. func.: ogf

$$-\frac{x(2x-1)}{(x-1)(2x+1)(4x-1)}$$

Sequence: A139818
Score: 11.4709
Type of gen. func.: lgdogf

$$-\frac{32x^3-36x^2+12x+1}{(x-1)(2x+1)(2x-1)(4x-1)}$$

Sequence: A139818
Score: 5.77078
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 6 a(n + 1) + 8 a(n), a(0) = 0, a(1) = 1, a(2) = 1\}$$

Sequence: A139818
Score: 5.98651
Type of gen. func.: ogf

$$(f(x) + 1) (8 f(x) x^3 - 6 f(x) x^2 - 3 f(x) x + 2 x^2 + f(x) - x)$$

Sequence: A139819
Score: 7.26040
Type of gen. func.: ogf

$$- \frac{9 x^{10} - x^9 - x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - 2 x - 10}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A139820
Score: 13.8815
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{8 x^2 - 4 x + 8}{-x^4 + 1}$$

Sequence: A140044
Score: 7.19593
Type of gen. func.: ogf

$$- \frac{25 x^3 - 50 x^2 + 10 x + 1}{(10 x - 1) (125 x^4 - 25 x^2 + 1)}$$

Sequence: A140045
Score: 5.84021
Type of gen. func.: ogf

$$-\frac{216 x^4 - 468 x^3 - 78 x^2 + 28 x + 1}{(6 x - 1) (15 x - 1) (3 x + 1) (6 x + 1) (12 x^2 - 1)}$$

Sequence: A140058
Score: 10.0095
Type of gen. func.: ogf

$$-\frac{19 x^5 - x^4 - x^3 - x^2 - x - 25}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A140058
Score: 7.30185
Type of gen. func.: lgdogf

$$-\frac{19 x^9 + 17 x^8 + 15 x^7 + 13 x^6 + 11 x^5 - 59 x^4 - 32 x^3 - 30 x^2 - 28 x - 26}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (19 x^5 - x^4 - x^3 - x^2 - x - 25)}$$

Sequence: A140062
Score: 12.5956
Type of gen. func.: ogf

$$\frac{99 x + 1}{(2 x - 1) (x - 1)}$$

Sequence: A140062
Score: 13.1750
Type of gen. func.: revogf

$$-\frac{-1 - 3 x + (x^2 + 402 x + 1)^{1/2}}{2 (-99 + 2 x)}$$

Sequence: A140062
Score: 13.1750
Type of gen. func.: lgdogf

$$-\frac{2\,(99\,x^2+2\,x-51)}{(x-1)\,(99\,x+1)\,(2\,x-1)}$$

Sequence: A140062
Score: 6.36701
Type of gen. func.: ogf

$$(151\,f(x)+5051)\,(2\,f(x)\,x^2-3\,f(x)\,x+f(x)-99\,x-1)$$

Sequence: A140062
Score: 6.89760
Type of gen. func.: ogf

$$\{-a(n+2)+3\,a(n+1)-2\,a(n),\ a(0)=1,\ a(1)=102\}$$

Sequence: A140063
Score: 10.3901
Type of gen. func.: ogf

$$-\frac{5\,x^2+x+1}{(x-1)^3}$$

Sequence: A140063
Score: 19.3482
Type of gen. func.: lgdogf

$$-\frac{(x+2)\,(5\,x+2)}{(x-1)\,(5\,x^2+x+1)}$$

Sequence: A140063
Score: 5.23798
Type of gen. func.: ogf

$$-(2989 f(x) - 5869) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 5 x^2 - f(x) + x + 1)$$

Sequence: A140063
Score: 5.60881
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 4, a(2) = 14\}$$

Sequence: A140064
Score: 11.6491
Type of gen. func.: ogf

$$-\frac{8 x^2 + 1}{(x - 1)^3}$$

Sequence: A140064
Score: 20.9433
Type of gen. func.: lgdogf

$$-\frac{8 x^2 + 16 x + 3}{(x - 1) (8 x^2 + 1)}$$

Sequence: A140064
Score: 5.7739
Type of gen. func.: ogf

$$(25029 f(x) - 66389) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 8 x^2 - f(x) + 1)$$

Sequence: A140064
Score: 5.87609
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 3, a(2) = 14\}$$

Sequence: A140065
Score: 14.3199
Type of gen. func.: ogf

$$-\frac{6 x^2 + 1}{(x - 1)^3}$$

Sequence: A140065
Score: 25.0260
Type of gen. func.: lgdogf

$$-\frac{3 (2 x^2 + 4 x + 1)}{(x - 1) (6 x^2 + 1)}$$

Sequence: A140065
Score: 6.97634
Type of gen. func.: ogf

$$-(3283 f(x) - 6523) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 6 x^2 - f(x) + 1)$$

Sequence: A140065
Score: 7.22329
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 3, a(2) = 12}

Sequence: A140066
Score: 11.1961
Type of gen. func.: ogf

$$-\frac{4 x^2 + 1}{(x - 1)^3}$$

Sequence: A140066

Score: 19.4819
Type of gen. func.: lgdogf

$$-\frac{(3 + 2 x) (2 x + 1)}{(x - 1) (4 x^2 + 1)}$$

Sequence: A140066
Score: 5.64758
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 3, a(2) = 10\}$$

Sequence: A140066
Score: 7.29704
Type of gen. func.: ogf

$$(2925 f(x) - 3877) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) + 1)$$

Sequence: A140081
Score: 15.2593
Type of gen. func.: ogf

$$-\frac{x (2 x^2 + x + 1)}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A140081
Score: 15.6076
Type of gen. func.: lgdogf

$$-\frac{4 x^5 + 3 x^4 + 4 x^3 + 4 x + 1}{(x - 1) (x + 1) (x^2 + 1) (2 x^2 + x + 1)}$$

Sequence: A140081
Score: 9.74387
Type of gen. func.: ogf

$$-(3 f(x) + 4) (f(x) x^4 + 2 x^3 + x^2 - f(x) + x)$$

Sequence: A140085
Score: 10.1633
Type of gen. func.: ogf

$$- \frac{x (3 x^6 + 2 x^5 + 2 x^4 + x^3 + 2 x^2 + x + 1)}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A140090
Score: 12.4148
Type of gen. func.: ogf

$$\frac{x (-5 + 2 x)}{(x - 1)^3}$$

Sequence: A140090
Score: 27.8516
Type of gen. func.: lgdogf

$$- \frac{-13 + 4 x}{(x - 1) (-5 + 2 x)}$$

Sequence: A140090
Score: 6.31825
Type of gen. func.: ogf

$$(729 f(x) - 3724) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 2 x^2 - f(x) + 5 x)$$

Sequence: A140090
Score: 6.31825
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 5, a(2) = 13\}$$

Sequence: A140091
Score: 12.4812
Type of gen. func.: ogf

$$\frac{3 x (x - 2)}{(x - 1)^3}$$

Sequence: A140091
Score: 33.3369
Type of gen. func.: lgdogf

$$- \frac{-5 + 2 x}{(x - 1) (x - 2)}$$

Sequence: A140091
Score: 6.24059
Type of gen. func.: ogf

$$-(23 f(x) - 189) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 3 x^2 - f(x) + 6 x)$$

Sequence: A140091
Score: 6.35204
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 6, a(2) = 15\}$$

Sequence: A140096
Score: 5.23274
Type of gen. func.: ogf

$$- \frac{x (x^4 - 2 x^3 + x^2 + 2 x - 1)}{(2 x - 1) (x + 1) (x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A140096
Score: 5.35821
Type of gen. func.: lgdogf

$$-\frac{4x^9 - 11x^8 + 4x^7 + 26x^6 - 12x^5 - 9x^4 + 8x^3 + 2x^2 - 4x + 1}{(2x - 1)(x + 1)(x^2 + x - 1)(x^4 - 2x^3 + x^2 + 2x - 1)(x^2 - x + 1)}$$

Sequence: A140106
Score: 11.0674
Type of gen. func.: ogf

$$-f(x)\,x^3 + f(x)\,x^2 + x^3 + f(x)\,x - f(x)$$

Sequence: A140106
Score: 19.9214
Type of gen. func.: ogf

$$\frac{x^3}{(x + 1)(x - 1)^2}$$

Sequence: A140106
Score: 42.5581
Type of gen. func.: ogf_with_Euler_transform]

$$[x + 1]$$

Sequence: A140106
Score: 44.6065
Type of gen. func.: lgdogf

$$-\frac{3x + 1}{(x - 1)(x + 1)}$$

Sequence: A140106
Score: 6.94931
Type of gen. func.: ogf

$\{-a(n + 4) + a(n + 3) + a(n + 2) - a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0,$

$a(3) = 1\}$

Sequence: A140107
Score: 45.2825
Type of gen. func.: lgdogf

$$-\frac{28}{-1+7x}$$

Sequence: A140107
Score: 5.23539
Type of gen. func.: ogf

$$\{(-n-2)\,a(n+2)+(35+7n)\,a(n+1),\ a(0)=1,\ a(1)=28\}$$

Sequence: A140107
Score: 5.36927
Type of gen. func.: ogf

$$-(f(x)+1)\,(2401\,f(x)\,x^{4}-1372\,f(x)\,x^{3}+294\,f(x)\,x^{2}-28\,f(x)\,x+f(x)-1)$$

Sequence: A140107
Score: 9.56812
Type of gen. func.: ogf

$$\frac{1}{(-1+7x)^{4}}$$

Sequence: A140113
Score: 12.5865
Type of gen. func.: lgdogf

$$-\frac{3x^{5}-15x^{4}-36x^{2}-11x-5}{(x-1)(x+1)(x^{2}+1)(x^{2}-4x-1)}$$

Sequence: A140113
Score: 7.87715
Type of gen. func.: ogf

$$-\frac{(x^2+1)(x^2-4x-1)}{(x+1)^3(x-1)^4}$$

Sequence: A140127
Score: 12.0224
Type of gen. func.: ogf

$$(f(x)x-f(x)+1)^3$$

Sequence: A140132
Score: 8.11280
Type of gen. func.: ogf

$$-x(9x^{10}+9x^9+9x^8+5x^7+4x^6+3x^5+8x^4+7x^3+6x^2+2x+1)\Big/((x-1)(x^2+x+1)(x^6+x^3+1))$$

Sequence: A140134
Score: 4.02344
Type of gen. func.: ogf

$$-(4x^{15}+2x^{14}+x^{13}+32x^{12}+16x^{11}+8x^{10}+504x^9+252x^8+126x^7+63x^6+32x^5+16x^4+8x^3+4x^2+2x+1)\Big/(1000x^{10}-1)$$

Sequence: A140139
Score: 17.3499
Type of gen. func.: ogf

$$-\frac{x^3-2x^2-1}{(x-1)^2}$$

Sequence: A140139
Score: 26.2673
Type of gen. func.: lgdogf

$$\frac{x^3 - 3 x^2 + 4 x + 2}{(x - 1) (x^3 - 2 x^2 - 1)}$$

Sequence: A140139
Score: 8.67493
Type of gen. func.: ogf

{a(n + 4) - 2 a(n + 3) + a(n + 2), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 7}

Sequence: A140139
Score: 9.98931
Type of gen. func.: ogf

$$(8 f(x) + 333) (f(x) x^2 + x^3 - 2 f(x) x - 2 x^2 + f(x) - 1)$$

Sequence: A140142
Score: 3.95011
Type of gen. func.: ogf

$$\frac{x^8 + 16 x^7 - 4 x^6 + 176 x^5 + 6 x^4 + 176 x^3 - 4 x^2 + 16 x + 1}{(x + 1)^5 (x - 1)^6}$$

Sequence: A140144
Score: 16.9148
Type of gen. func.: lgdogf

$$- \frac{2 (x^4 - x^3 - x^2 - 4 x - 1)}{(x - 1) (x + 1) (x^3 - x^2 - x - 1)}$$

Sequence: A140144
Score: 9.94114
Type of gen. func.: ogf

$$\frac{x^3 - x^2 - x - 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A140145
Score: 5.35392
Type of gen. func.: ogf

$$-\frac{x^6 + 8 x^5 - x^4 + 32 x^3 - x^2 + 8 x + 1}{(x + 1)^4 (x - 1)^5}$$

Sequence: A140145
Score: 8.10550
Type of gen. func.: lgdogf

$$-\frac{3 (x^7 + 11 x^6 + 3 x^5 + 77 x^4 + 7 x^3 + 53 x^2 + 5 x + 3)}{(x - 1) (x + 1) (x^6 + 8 x^5 - x^4 + 32 x^3 - x^2 + 8 x + 1)}$$

Sequence: A140146
Score: 4.12865
Type of gen. func.: ogf

$$-\frac{(x^2 + 1) (x^6 - 16 x^5 - 3 x^4 - 160 x^3 + 3 x^2 - 16 x - 1)}{(x + 1)^5 (x - 1)^6}$$

Sequence: A140146
Score: 5.38936
Type of gen. func.: lgdogf

$$- (3 x^9 - 63 x^8 - 18 x^7 - 1170 x^6 - 188 x^5 - 2288 x^4 - 158 x^3 - 686 x^2 - 23 x - 17) / ((x - 1) (x + 1) (x^2 + 1) (x^6 - 16 x^5 - 3 x^4 - 160 x^3 + 3 x^2 - 16 x - 1))$$

Sequence: A140148
Score: 10.1678
Type of gen. func.: lgdogf

$$-\frac{2\,(x^6+2\,x^5-x^4+16\,x^3+3\,x^2+10\,x+1)}{(x-1)\,(x+1)\,(x^5+x^4-2\,x^3+6\,x^2+x+1)}$$

Sequence: A140148
Score: 6.73486
Type of gen. func.: ogf

$$\frac{x^5+x^4-2\,x^3+6\,x^2+x+1}{(x+1)^3\,(x-1)^4}$$

Sequence: A140149
Score: 5.16209
Type of gen. func.: ogf

$$\frac{x^6-8\,x^5+5\,x^4-32\,x^3-5\,x^2-8\,x-1}{(x+1)^4\,(x-1)^5}$$

Sequence: A140149
Score: 7.04483
Type of gen. func.: lgdogf

$$-\frac{3\,x^7-31\,x^6+23\,x^5-227\,x^4-47\,x^3-165\,x^2-27\,x-9}{(x-1)\,(x+1)\,(x^6-8\,x^5+5\,x^4-32\,x^3-5\,x^2-8\,x-1)}$$

Sequence: A140150
Score: 3.92888
Type of gen. func.: ogf

8 7 6 5 4 3 2

$$\frac{x + 16 x + 4 x + 176 x - 10 x + 176 x + 4 x + 16 x + 1}{(x + 1)^{5} (x - 1)^{6}}$$

Sequence: A140152
Score: 4.87833
Type of gen. func.: ogf

$$\frac{x^{7} - x^{6} - 3 x^{5} - 23 x^{4} + 3 x^{3} - 23 x^{2} - x - 1}{(x + 1)^{4} (x - 1)^{5}}$$

Sequence: A140152
Score: 6.74938
Type of gen. func.: lgdogf

$$- \frac{2 (x^{8} - x^{7} - 3 x^{6} - 62 x^{5} - 10 x^{4} - 125 x^{3} - 11 x^{2} - 28 x - 1)}{(x - 1) (x + 1) (x^{7} - x^{6} - 3 x^{5} - 23 x^{4} + 3 x^{3} - 23 x^{2} - x - 1)}$$

Sequence: A140153
Score: 5.15124
Type of gen. func.: ogf

$$- \frac{x^{6} + 2 x^{5} + 23 x^{4} - 4 x^{3} + 23 x^{2} + 2 x + 1}{(x + 1)^{4} (x - 1)^{5}}$$

Sequence: A140153
Score: 7.44520
Type of gen. func.: lgdogf

$$- \frac{3 (x^{7} + 3 x^{6} + 41 x^{5} + 3 x^{4} + 83 x^{3} + 9 x^{2} + 19 x + 1)}{(x - 1) (x + 1) (x^{6} + 2 x^{5} + 23 x^{4} - 4 x^{3} + 23 x^{2} + 2 x + 1)}$$

Sequence: A140154
Score: 5.45650

Type of gen. func.: ogf

$$-\frac{(x^2+1)(x^4-4x^3+22x^2+4x+1)}{(x+1)^4(x-1)^5}$$

Sequence: A140154

Score: 7.52275

Type of gen. func.: lgdogf

$$-\frac{3x^7-15x^6+117x^5+3x^4+253x^3+55x^2+59x+5}{(x-1)(x+1)(x^2+1)(x^4-4x^3+22x^2+4x+1)}$$

Sequence: A140155

Score: 3.93042

Type of gen. func.: ogf

$$-\frac{(x^2+1)(x^6-16x^5+21x^4-160x^3-21x^2-16x-1)}{(x+1)^5(x-1)^6}$$

Sequence: A140157

Score: 3.78941

Type of gen. func.: ogf

$$\frac{x^9+x^8-4x^7+76x^6+6x^5+230x^4-4x^3+76x^2+x+1}{(x+1)^5(x-1)^6}$$

Sequence: A140158

Score: 3.95507

Type of gen. func.: ogf

$$\frac{x^8-2x^7+76x^6+6x^5+230x^4-6x^3+76x^2+2x+1}{(x+1)^5(x-1)^6}$$

Sequence: A140158
Score: 5.29695
Type of gen. func.: lgdogf

$$-\frac{3x^9-7x^8+386x^7+98x^6+2072x^5+212x^4+1598x^3+78x^2+165x+3}{(x-1)(x+1)(x^8-2x^7+76x^6+6x^5+230x^4-6x^3+76x^2+2x+1)}$$

Sequence: A140159
Score: 3.97417
Type of gen. func.: ogf

$$\frac{x^8+4x^7+76x^6-4x^5+230x^4-4x^3+76x^2+4x+1}{(x+1)^5(x-1)^6}$$

Sequence: A140160
Score: 3.78421
Type of gen. func.: ogf

$$\frac{x^8-8x^7+76x^6-24x^5+230x^4+24x^3+76x^2+8x+1}{(x+1)^5(x-1)^6}$$

Sequence: A140164
Score: 12.9378
Type of gen. func.: ogf

$$\frac{2x^4+2x^3+x^2+1}{(x-1)^2}$$

Sequence: A140164
Score: 15.8612
Type of gen. func.: lgdogf

$$\frac{2\,(2x^4-3x^3-3x^2-x-1)}{(x-1)\,(2x^4+2x^3+x^2+1)}$$

Sequence: A140164
Score: 6.62169
Type of gen. func.: ogf

$\{a(n+5)-2\,a(n+4)+a(n+3),\ a(0)=1,\ a(1)=2,\ a(2)=4,\ a(3)=8,$

$a(4)=14\}$

Sequence: A140164
Score: 8.66964
Type of gen. func.: ogf

$$f(x)\,(-2x^4+f(x)\,x^2-2x^3-2\,f(x)\,x-x^2+f(x)-1)$$

Sequence: A140165
Score: 12.1440
Type of gen. func.: ogf

$$-\frac{3x+1}{3x^2-x-1}$$

Sequence: A140165
Score: 15.4902
Type of gen. func.: revogf

$$\frac{x-1+(13x^2+10x+1)^{1/2}}{6\,(x+1)}$$

Sequence: A140165
Score: 16.8570
Type of gen. func.: lgdogf

$$-\frac{9x^2+6x+2}{}$$

$$(3 x + 1) (3 x^2 - x - 1)$$

Sequence: A140165
Score: 6.66440
Type of gen. func.: ogf

$$\{a(n + 2) + a(n + 1) - 3 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A140165
Score: 7.09716
Type of gen. func.: ogf

$$f(x) (3 f(x) x^2 - f(x) x - f(x) + 3 x + 1)$$

Sequence: A140167
Score: 15.7155
Type of gen. func.: revogf

$$- \frac{-1 - x + (13 x^2 + 2 x + 1)^{1/2}}{6 x}$$

Sequence: A140167
Score: 20.6133
Type of gen. func.: ogf

$$\frac{1}{3 x^2 - x - 1}$$

Sequence: A140167
Score: 25.4442
Type of gen. func.: lgdogf

$$- \frac{6 x - 1}{3 x^2 - x - 1}$$

Sequence: A140167
Score: 8.19566
Type of gen. func.: ogf

$$(19 f(x) + 18) (3 f(x) x^2 - f(x) x - f(x) - 1)$$

Sequence: A140167
Score: 8.29561
Type of gen. func.: ogf

$$\{a(n + 2) + a(n + 1) - 3 a(n), a(0) = -1, a(1) = 1\}$$

Sequence: A140184
Score: 11.1913
Type of gen. func.: ogf

$$- \frac{16 x^2 + 12 x + 1}{(2 x + 1) (8 x^2 + 4 x - 1)}$$

Sequence: A140184
Score: 5.86641
Type of gen. func.: ogf

$$-(386 f(x) - 1691)$$

$$(16 f(x) x^3 + 16 f(x) x^2 + 2 f(x) x + 16 x^2 - f(x) + 12 x + 1)$$

Sequence: A140184
Score: 6.27098
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 16 a(n + 1) - 16 a(n), a(0) = 1, a(1) = 14, a(2) = 60\}$$

Sequence: A140184
Score: 9.79304
Type of gen. func.: lgdogf

$$2 (128 x^4 + 192 x^3 + 104 x^2 + 32 x + 7)$$

$$-\frac{}{(2x+1)(8x^2+4x-1)(16x^2+12x+1)}$$

Sequence: A140201
Score: 13.9991
Type of gen. func.: lgdogf

$$-\frac{2(3x^5+3x^4+4x^3+2x^2+3x+1)}{(x-1)(x+1)(x^2+1)(2x^2+x+1)}$$

Sequence: A140201
Score: 14.4138
Type of gen. func.: ogf

$$\frac{x(2x^2+x+1)}{(x+1)(x^2+1)(x-1)^2}$$

Sequence: A140201
Score: 7.61703
Type of gen. func.: ogf

$$-(85f(x)-1878)(f(x)x^5-f(x)x^4-2x^3-f(x)x-x^2+f(x)-x)$$

Sequence: A140205
Score: 9.52331
Type of gen. func.: ogf

$$\frac{x(3x^6+2x^5+2x^4+x^3+2x^2+x+1)}{(x+1)(x^2+1)(x^4+1)(x-1)^2}$$

Sequence: A140220
Score: 47.6911
Type of gen. func.: lgdogf

$$-\frac{}{5 x - 1}$$

Sequence: A140220
Score: 5.25995
Type of gen. func.: ogf

$$\frac{1}{(5 x - 1)^8}$$

Sequence: A140220
Score: 5.50807
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (45 + 5 n) a(n + 1), a(0) = 1, a(1) = 40\}$$

Sequence: A140226
Score: 17.9176
Type of gen. func.: lgdogf

$$-\frac{4 (x + 1) (x^2 - x + 1)}{(x - 1) (x^4 + 1)}$$

Sequence: A140226
Score: 20.1061
Type of gen. func.: ogf_with_Euler_transform]

$$-x^7 + x^3 + 4$$

Sequence: A140226
Score: 5.7058
Type of gen. func.: ogf

$$f(x) x^4 - 4 f(x) x^3 - x^4 + 6 f(x) x^2 - 4 f(x) x + f(x) - 1$$

Sequence: A140226
Score: 9.04149
Type of gen. func.: ogf

$$\frac{x^4 + 1}{(x - 1)^4}$$

Sequence: A140227
Score: 10.1114
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^4 - x^3 + x^2 - x + 1)}{(x - 1)^5}$$

Sequence: A140227
Score: 18.5926
Type of gen. func.: lgdogf

$$-\frac{5 (x^4 + 1)}{(x - 1) (x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A140227
Score: 25.9649
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9 + x^4 + 5$$

Sequence: A140227
Score: 3.71744
Type of gen. func.: ogf

$$\{(n^2 + 5 n) a(n) + (-2 n^2 - 4 n + 18) a(n + 1) + (n^2 - n - 6) a(n + 2),$$

$$a(0) = 1, a(1) = 5, a(2) = 15, a(3) = 35, a(4) = 70, a(5) = 127\}$$

Sequence: A140228
Score: 10.9624
Type of gen. func.: lgdogf

$$-\frac{6 (x + 1) (x^4 - x^3 + x^2 - x + 1)}{(x - 1) (x^2 + 1) (x^4 - x^2 + 1)}$$

Sequence: A140228
Score: 19.2735
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{11} + x^5 + 6$$

Sequence: A140228
Score: 6.94974
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^4 - x^2 + 1)}{(x - 1)^6}$$

Sequence: A140229
Score: 10.7151
Type of gen. func.: ogf

$$\frac{x^4 - x^3 - x^2 - x - 1}{(x - 1)^3}$$

Sequence: A140229
Score: 17.2234
Type of gen. func.: lgdogf

$$\frac{x^4 - 4 x^3 + 4 x^2 + 4 x + 4}{(x - 1) (x^4 - x^3 - x^2 - x - 1)}$$

Sequence: A140229
Score: 5.61269
Type of gen. func.: ogf

$$\{-a(n+5) + 3\,a(n+4) - 3\,a(n+3) + a(n+2),\ a(0) = 1,\ a(1) = 4,\ a(2) = 10,\ a(3) = 20,\ a(4) = 33\}$$

Sequence: A140229
Score: 6.2035
Type of gen. func.: ogf

$$(513 f(x) - 16021)\,(f(x)\,x^3 - x^4 - 3 f(x)\,x^2 + x^3 + 3 f(x)\,x + x^2 - f(x) + x + 1)$$

Sequence: A140230
Score: 12.6382
Type of gen. func.: lgdogf

$$-\frac{(2x^2 + 2x - 3)(2x^2 - 4x + 1)}{(x - 1)(2x^2 - 1)(2x^2 - 2x + 1)}$$

Sequence: A140230
Score: 4.94539
Type of gen. func.: ogf

$$(4 f(x) - 83)\,(4 f(x)\,x^4 - 8 f(x)\,x^3 + 8 f(x)\,x^2 - 2x^3 - 4 f(x)\,x + 2x^2 + f(x) + x - 1)$$

Sequence: A140230
Score: 8.86317
Type of gen. func.: ogf

$$\frac{(x - 1)(2x^2 - 1)}{(2x^2 - 2x + 1)^2}$$

Sequence: A140236
Score: 3.76512
Type of gen. func.: ogf

$$\frac{x (4 x^5 + 80 x^4 + 120 x^3 + 65 x^2 + 10 x + 1)}{(x - 1)^{10}}$$

Sequence: A140236
Score: 7.74161
Type of gen. func.: lgdogf

$$- \frac{20 (x + 1) (x^4 + 24 x^3 + 34 x^2 + 10 x + 1)}{(x - 1) (4 x^5 + 80 x^4 + 120 x^3 + 65 x^2 + 10 x + 1)}$$

Sequence: A140252
Score: 11.0852
Type of gen. func.: ogf

$$\frac{x (2 x^2 + 1)}{(x - 1) (2 x + 1) (2 x - 1)}$$

Sequence: A140252
Score: 11.0991
Type of gen. func.: lgdogf

$$- \frac{8 x^4 + 14 x^2 - 12 x - 1}{(x - 1) (2 x + 1) (2 x - 1) (2 x^2 + 1)}$$

Sequence: A140252
Score: 4.82331
Type of gen. func.: ogf

{-a(n + 4) + a(n + 3) + 4 a(n + 2) - 4 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 1,

a(3) = 7}

Sequence: A140252
Score: 5.69238
Type of gen. func.: ogf

$$-(f(x) - 1) (4 f(x) x^3 - 4 f(x) x^2 - 2 x^3 - f(x) x + f(x) - x)$$

Sequence: A140253
Score: 10.0363
Type of gen. func.: ogf

$$\frac{x^2 + 3 x - 1}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A140253
Score: 10.5616
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 12 x^3 - 7 x^2 - 1}{(x - 1) (2 x - 1) (x + 1) (x^2 + 3 x - 1)}$$

Sequence: A140253
Score: 5.46621
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - a(n + 1) + 2 a(n), a(0) = -1, a(1) = 1, a(2) = 2\}$$

Sequence: A140253
Score: 5.51546
Type of gen. func.: ogf

$$(f(x) + 2) (2 f(x) x^3 - f(x) x^2 - 2 f(x) x - x^2 + f(x) - 3 x + 1)$$

Sequence: A140282
Score: 13.4608
Type of gen. func.: ogf

$$\frac{x (x + 2)^{2}}{(x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A140282
Score: 20.5374
Type of gen. func.: lgdogf

$$-\frac{2 x^{3} + 9 x^{2} + 3 x + 4}{(x + 2) (x - 1) (x^{2} + x + 1)}$$

Sequence: A140282
Score: 5.33507
Type of gen. func.: ogf

$$\{(3 n + 10) a(n + 1) + 3 a(n + 2) + 3 a(n + 3) + (-3 n - 7) a(n + 4), a(0) = 0, a(1) = 4, a(2) = 8, a(3) = 9\}$$

Sequence: A140282
Score: 7.41485
Type of gen. func.: ogf

$$(51 f(x) + 395) (f(x) x^{4} - f(x) x^{3} - x^{3} - f(x) x - 4 x^{2} + f(x) - 4 x)$$

Sequence: A140287
Score: 6.17851
Type of gen. func.: ogf

$$-\frac{x^{2} (x - 1) (7 x^{8} + 3 x^{7} + x^{6} + 5 x^{4} + x^{3} + 1)}{(3 x^{4} + 1) (5 x^{8} + 4 x^{4} + 1)}$$

Sequence: A140289
Score: 11.6081
Type of gen. func.: ogf

$${}^{3} \qquad {}^{2} \qquad {}^{2}$$

$$15 f(x) x + 17 f(x) x + 7 f(x) x - x + f(x)$$

Sequence: A140289
Score: 20.4995
Type of gen. func.: ogf

$$\frac{x^2}{(3 x + 1) (5 x^2 + 4 x + 1)}$$

Sequence: A140289
Score: 8.60246
Type of gen. func.: ogf

$$\{-a(n + 3) - 7 a(n + 2) - 17 a(n + 1) - 15 a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A140290
Score: 10.5676
Type of gen. func.: ogf

$$- \frac{7 x^2 + 5 x + 1}{(3 x + 1) (5 x^2 + 4 x + 1)}$$

Sequence: A140290
Score: 5.69025
Type of gen. func.: ogf

$$-(f(x) - 4) (15 f(x) x^3 + 17 f(x) x^2 + 7 f(x) x + 7 x^2 + f(x) + 5 x + 1)$$

Sequence: A140290
Score: 5.84000
Type of gen. func.: ogf

$$\{-a(n + 3) - 7 a(n + 2) - 17 a(n + 1) - 15 a(n), a(0) = -1, a(1) = 2, a(2) = -4\}$$

Sequence: A140295
Score: 12.2555
Type of gen. func.: ogf

$$-\frac{5 x^2 - 3 x + 1}{(2 x - 1) (x^2 + x + 1)}$$

Sequence: A140295
Score: 12.2835
Type of gen. func.: lgdogf

$$-\frac{2 (5 x^4 - 6 x^3 - x^2 + 6 x - 1)}{(2 x - 1) (x^2 + x + 1) (5 x^2 - 3 x + 1)}$$

Sequence: A140295
Score: 6.50077
Type of gen. func.: ogf

$$-(f(x) - 3) (2 f(x) x^3 + f(x) x^2 + f(x) x + 5 x^2 - f(x) - 3 x + 1)$$

Sequence: A140295
Score: 6.67489
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) - 2 a(n), a(0) = 1, a(1) = -2, a(2) = 4\}$$

Sequence: A140298
Score: 3.65024
Type of gen. func.: ogf

$$-\frac{3 x^4 + 6 x^3 + 6 x^2 + 3 x + 1}{(3 x^3 - 1) (x^2 + x + 1)}$$

Sequence: A140300
Score: 10.3545

Type of gen. func.: ogf

$$-1024 f(x) x + f(x) - 1$$

Sequence: A140300
Score: 18.9834
Type of gen. func.: ogf

$$-\frac{1}{1024 x - 1}$$

Sequence: A140300
Score: 23.4742
Type of gen. func.: revegf]

$$1/1024 \ln(1 + 1024 x)$$

Sequence: A140300
Score: 26.2358
Type of gen. func.: lgdogf

$$-\frac{1024}{1024 x - 1}$$

Sequence: A140300
Score: 8.28365
Type of gen. func.: ogf

$$\{a(n + 1) - 1024 a(n), a(0) = 1\}$$

Sequence: A140302
Score: 4.45037
Type of gen. func.: ogf

$$-\frac{x^2 (x - 1) (x^8 + x^6 - x^4 + x^3 + 1)}{2 x^8 - 2 x^4 + 1}$$

Sequence: A140302
Score: 5.12598
Type of gen. func.: lgdogf

$$(2 x^{16} - 2 x^{14} + 4 x^{13} - 4 x^{12} - 8 x^{11} + 4 x^{10} + 4 x^{9} - 3 x^{8} + 8 x^{7} + 5 x^{6} - 6 x^{5} + x^{4} - 3 x^{2} + 1) / ((x - 1) (x^{8} + x^{6} - x^{4} + x^{3} + 1) (2 x^{8} - 2 x^{4} + 1))$$

Sequence: A140313
Score: 3.94768
Type of gen. func.: ogf

$$\frac{(x - 1) (x^{3} + 3 x^{2} + 2 x + 1)}{(3 x^{3} - 1) (x^{2} + x + 1)}$$

Sequence: A140318
Score: 11.1832
Type of gen. func.: ogf_with_Euler_transform]

$$x^{17} - x^{8} - x^{5} - x^{3} + x^{2} + x - 1$$

Sequence: A140318
Score: 9.42514
Type of gen. func.: ogf

$$- \frac{x (x - 1) (x^{2} + 1)}{x^{6} - x^{3} + 1}$$

Sequence: A140320
Score: 7.11623
Type of gen. func.: ogf

$$-(84 f(x) - 53) (9 f(x) x^{3} - 15 f(x) x^{2} + 7 f(x) x + 7 x^{2} - f(x) - 4 x + 1)$$

Sequence: A140322
Score: 12.5517
Type of gen. func.: ogf

$$\frac{2 x^{2} - 2 x + 1}{(x - 1) (4 x - 1) (x + 1)}$$

Sequence: A140322
Score: 6.32771
Type of gen. func.: ogf

$$-(6505 f(x) + 1746) (4 f(x) x^{3} - f(x) x^{2} - 4 f(x) x - 2 x^{2} + f(x) + 2 x - 1)$$

Sequence: A140322
Score: 6.77570
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) - a(n + 1) + 4 a(n), a(0) = 1, a(1) = 2, a(2) = 11\}$$

Sequence: A140323
Score: 16.3090
Type of gen. func.: ogf

$$- \frac{6 x + 1}{(x + 1) (4 x - 1)}$$

Sequence: A140323
Score: 8.43567
Type of gen. func.: ogf

$$(35 f(x) + 46) (4 f(x) x^{2} + 3 f(x) x - f(x) + 6 x + 1)$$

Sequence: A140323
Score: 8.95006
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A140325
Score: 5.83542
Type of gen. func.: ogf

$$-\frac{1}{(2x-1)^9}$$

Sequence: A140325
Score: 5.89047
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (20 + 2 n) a(n + 1), a(0) = 1, a(1) = 18}

Sequence: A140325
Score: 51.0022
Type of gen. func.: lgdogf

$$-\frac{18}{2x-1}$$

Sequence: A140335
Score: 7.07244
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A140342
Score: 10.6732
Type of gen. func.: lgdogf

$$-\frac{(2x-1)(3x^4-6x^3+15x^2-12x+5)}{x^6-3x^5+9x^4-13x^3+11x^2-5x+1}$$

Sequence: A140342
Score: 10.9565

Type of gen. func.: ogf

$$\frac{x^5}{x^6 - 3 x^5 + 9 x^4 - 13 x^3 + 11 x^2 - 5 x + 1}$$

Sequence: A140343
Score: 13.9434
Type of gen. func.: ogf

$$\frac{x^4}{(x^2 - x + 1) (3 x^2 - 3 x + 1)}$$

Sequence: A140343
Score: 16.6732
Type of gen. func.: lgdogf

$$- \frac{2 (2 x - 1) (3 x^2 - 3 x + 2)}{(x^2 - x + 1) (3 x^2 - 3 x + 1)}$$

Sequence: A140343
Score: 6.53983
Type of gen. func.: ogf

$$f(x) (3 f(x) x^4 - 6 f(x) x^3 - x^4 + 7 f(x) x^2 - 4 f(x) x + f(x))$$

Sequence: A140345
Score: 11.9433
Type of gen. func.: ogf

$$f(x) (f(x) x^5 - 2 x^4 + x^3 + x^2 - f(x) + x + 1)$$

Sequence: A140345
Score: 15.2507
Type of gen. func.: ogf

$$\frac{2x^4 - x^3 - x^2 - x - 1}{(x - 1)(x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A140346
Score: 32.5819
Type of gen. func.: lgdogf

$$-45 + (1 - 5x) f(x)$$

Sequence: A140346
Score: 5.02493
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (50 + 5n) a(n + 1), a(0) = 1, a(1) = 45\}$$

Sequence: A140354
Score: 5.11117
Type of gen. func.: ogf

$$\frac{1}{(2x - 1)^{10}}$$

Sequence: A140354
Score: 53.0629
Type of gen. func.: lgdogf

$$-\frac{20}{2x - 1}$$

Sequence: A140354
Score: 6.12375
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (22 + 2n) a(n + 1), a(0) = 1, a(1) = 20\}$$

Sequence: A140359
Score: 11.5903
Type of gen. func.: lgdogf

$$-\frac{6 x^4 - 4 x^3 + 13 x^2 - 8 x - 1}{(x - 1) (2 x - 1) (x + 1) (3 x^2 - x + 1)}$$

Sequence: A140359
Score: 11.8176
Type of gen. func.: ogf

$$\frac{3 x^2 - x + 1}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A140359
Score: 6.37941
Type of gen. func.: ogf

$$(41 f(x) + 79) (2 f(x) x^3 - f(x) x^2 - 2 f(x) x - 3 x^2 + f(x) + x - 1)$$

Sequence: A140359
Score: 6.43638
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - a(n + 1) + 2 a(n), a(0) = 1, a(1) = 1, a(2) = 6\}$$

Sequence: A140360
Score: 10.2925
Type of gen. func.: ogf

$$2 f(x) x^2 - f(x) x + 3 x^2 - f(x) + x + 1$$

Sequence: A140360
Score: 13.7881
Type of gen. func.: ogf

$$3 x^2 + x + 1$$

$$-\frac{}{(2x+1)(x-1)}$$

Sequence: A140360
Score: 21.4647
Type of gen. func.: lgdogf

$$-\frac{5x(x+2)}{(x-1)(2x+1)(3x^2+x+1)}$$

Sequence: A140360
Score: 7.23536
Type of gen. func.: ogf

$$\{-a(n+3)-a(n+2)+2a(n+1),\ a(0)=1,\ a(1)=0,\ a(2)=5\}$$

Sequence: A140402
Score: 7.78362
Type of gen. func.: ogf

$$-\frac{x^4(x^5+2x^4+3x^3+3x^2+3x+1)}{(x+1)(x^2+x+1)(x^4+x^3+x^2+x+1)(x-1)^3}$$

Sequence: A140403
Score: 7.09729
Type of gen. func.: ogf

$$-\frac{8x^4(x^5+2x^4+3x^3+3x^2+3x+1)}{(x+1)(x^2+x+1)(x^4+x^3+x^2+x+1)(x-1)^3}$$

Sequence: A140404
Score: 43.4426
Type of gen. func.: lgdogf

$$-\frac{42}{-1+7x}$$

Sequence: A140404
Score: 5.02493
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (49 + 7 n) a(n + 1), a(0) = 1, a(1) = 42\}$$

Sequence: A140404
Score: 6.26639
Type of gen. func.: ogf

$$\frac{1}{(-1 + 7 x)^{6}}$$

Sequence: A140405
Score: 46.4868
Type of gen. func.: lgdogf

$$-\frac{35}{5 x - 1}$$

Sequence: A140405
Score: 5.37173
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (40 + 5 n) a(n + 1), a(0) = 1, a(1) = 35\}$$

Sequence: A140405
Score: 6.18916
Type of gen. func.: ogf

$$-\frac{1}{(5 x - 1)^{7}}$$

Sequence: A140406
Score: 4.83895
Type of gen. func.: ogf

$$\{(-n - 2)\, a(n + 2) + (64 + 8 n)\, a(n + 1),\ a(0) = 1,\ a(1) = 56\}$$

Sequence: A140406
Score: 41.8199
Type of gen. func.: lgdogf

$$-\frac{56}{8 x - 1}$$

Sequence: A140406
Score: 5.18110
Type of gen. func.: ogf

$$-\frac{1}{(8 x - 1)^{7}}$$

Sequence: A140407
Score: 12.8867
Type of gen. func.: ogf

$$-\frac{3 x^{2} + 3 x + 1}{(x + 1)\,(2 x^{2} - 1)}$$

Sequence: A140407
Score: 13.0686
Type of gen. func.: lgdogf

$$-\frac{6 x^{4} + 12 x^{3} + 15 x^{2} + 10 x + 2}{(x + 1)\,(3 x^{2} + 3 x + 1)\,(2 x^{2} - 1)}$$

Sequence: A140407
Score: 6.71872
Type of gen. func.: ogf

$$-(50 f(x) + 19)\,(2 f(x) x^{3} + 2 f(x) x^{2} - f(x) x + 3 x^{2} - f(x) + 3 x + 1)$$

Sequence: A140407
Score: 7.01867
Type of gen. func.: ogf

$$\{-a(n+3) - a(n+2) + 2a(n+1) + 2a(n), a(0) = 1, a(1) = 2, a(2) = 3\}$$

Sequence: A140413
Score: 12.7119
Type of gen. func.: ogf

$$-\frac{(x-1)^2}{(x+1)(x^2+4x-1)}$$

Sequence: A140413
Score: 17.3272
Type of gen. func.: lgdogf

$$-\frac{x^3 - 3x^2 - 13x - 1}{(x-1)(x+1)(x^2+4x-1)}$$

Sequence: A140413
Score: 6.80199
Type of gen. func.: ogf

$$(143 f(x) + 61) (f(x) x^3 + 5 f(x) x^2 + 3 f(x) x + x^2 - f(x) - 2x + 1)$$

Sequence: A140413
Score: 6.92346
Type of gen. func.: ogf

$$\{-a(n+3) + 3a(n+2) + 5a(n+1) + a(n), a(0) = 1, a(1) = 1, a(2) = 9\}$$

Sequence: A140420
Score: 4.69263

Type of gen. func.: ogf

$$(34 f(x) - 5)$$

$$(6 f(x) x^4 - 5 f(x) x^3 - 5 f(x) x^2 + 3 x^3 + 5 f(x) x - 2 x^2 - f(x) + x)$$

Sequence: A140420
Score: 7.83594
Type of gen. func.: lgdogf

$$- \frac{36 x^5 - 51 x^4 + 44 x^3 - 20 x^2 - 4 x + 3}{(x - 1) (3 x - 1) (2 x - 1) (x + 1) (3 x^2 - 2 x + 1)}$$

Sequence: A140420
Score: 8.61388
Type of gen. func.: ogf

$$- \frac{x (3 x^2 - 2 x + 1)}{(x - 1) (3 x - 1) (2 x - 1) (x + 1)}$$

Sequence: A140426
Score: 10.2672
Type of gen. func.: lgdogf

$$- \frac{(x^2 + 1) (4 x^8 + 8 x^7 + 2 x^6 + 8 x^5 + 8 x^4 + 4 x^3 + 2 x^2 + 4 x + 1)}{(2 x^6 - 1) (2 x^5 + 2 x^4 + x^3 + 2 x^2 + x + 1)}$$

Sequence: A140426
Score: 13.7349
Type of gen. func.: ogf

$$- \frac{2 x^5 + 2 x^4 + x^3 + 2 x^2 + x + 1}{2 x^6 - 1}$$

Sequence: A140427
Score: 8.93195
Type of gen. func.: ogf

$$\frac{x^4 (x^4 + x^3 + x^2 + 1)}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A140428
Score: 6.80883
Type of gen. func.: lgdogf

$$- \frac{12 x^9 + 3 x^8 - 8 x^7 + 8 x^6 - 4 x^5 + x^4 + 12 x^3 - 10 x^2 + 1}{(2 x - 1) (x + 1) (x^2 - x + 1) (x^2 + x - 1) (3 x^4 - x^2 + 2 x - 1)}$$

Sequence: A140428
Score: 7.55054
Type of gen. func.: ogf

$$- \frac{x (3 x^4 - x^2 + 2 x - 1)}{(2 x - 1) (x + 1) (x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A140429
Score: 11.0606
Type of gen. func.: ogf

$$-f(x) (3 f(x) x - f(x) + x)$$

Sequence: A140429
Score: 22.5026
Type of gen. func.: ogf

$$- \frac{x}{3 x - 1}$$

Sequence: A140429
Score: 49.4376

Type of gen. func.: revegf]

$$\frac{1}{3} \ln(3 x + 1)$$

Sequence: A140429
Score: 58.4263
Type of gen. func.: lgdogf

$$-\frac{3}{3 x - 1}$$

Sequence: A140429
Score: 9.19121
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1), a(0) = 0, a(1) = 1\}$$

Sequence: A140430
Score: 11.7566
Type of gen. func.: ogf

$$-\frac{2 x^2 - x + 3}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A140430
Score: 5.40829
Type of gen. func.: lgdogf

$$-\frac{4 x^5 - 5 x^4 + 14 x^3 - 11 x^2 + 4 x + 2}{(x - 1) (x + 1) (x^2 - x + 1) (2 x^2 - x + 3)}$$

Sequence: A140430
Score: 6.02647
Type of gen. func.: ogf

$$-(102 f(x) - 899) (f(x) x^4 - f(x) x^3 + f(x) x + 2 x^2 - f(x) - x + 3)$$

Sequence: A140431
Score: 10.0903
Type of gen. func.: ogf

$$-\frac{2 x (x^2 + x - 1)}{(x - 1) (3 x - 1) (2 x + 1)}$$

Sequence: A140431
Score: 10.5899
Type of gen. func.: lgdogf

$$-\frac{6 x^4 + 12 x^3 - 21 x^2 + 8 x + 1}{(x - 1) (3 x - 1) (2 x + 1) (x^2 + x - 1)}$$

Sequence: A140431
Score: 4.96873
Type of gen. func.: ogf

{-a(n + 4) + 2 a(n + 3) + 5 a(n + 2) - 6 a(n + 1), a(0) = 0, a(1) = 2, a(2) = 2,

a(3) = 12}

Sequence: A140431
Score: 5.51153
Type of gen. func.: ogf

$$-(5 f(x) + 2) (6 f(x) x^3 - 5 f(x) x^2 + 2 x^3 - 2 f(x) x + 2 x^2 + f(x) - 2 x)$$

Sequence: A140455
Score: 13.6152
Type of gen. func.: revogf

$$\frac{-1 - 13 x + (173 x^2 + 26 x + 1)^{1/2}}{2 x}$$

Sequence: A140455
Score: 13.8433
Type of gen. func.: ogf

$$-\frac{x}{x^2 + 13 x - 1}$$

Sequence: A140455
Score: 23.5171
Type of gen. func.: lgdogf

$$-\frac{13 + 2 x}{x^2 + 13 x - 1}$$

Sequence: A140455
Score: 6.41521
Type of gen. func.: ogf

$$\{-a(n + 2) + 13 a(n + 1) + a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A140455
Score: 8.76746
Type of gen. func.: ogf

$$-f(x) x^2 - 13 f(x) x + f(x) - x$$

Sequence: A140462
Score: 12.2447
Type of gen. func.: lgdogf

$$-\frac{(x^2 + 1) (5 x^3 + 14 x^2 + 8 x + 3)}{(x - 1) (x^2 + x + 1) (x^3 + 2 x^2 + x + 1)}$$

Sequence: A140462
Score: 6.41691
Type of gen. func.: ogf

$$\frac{x^3 (x^3 + 2 x^2 + x + 1)}{(x^2 + x + 1)^2 (x - 1)^4}$$

Sequence: A140477
Score: 27.8788
Type of gen. func.: ogf_with_Euler_transform]

[127 - 127 x]

Sequence: A140477
Score: 46.6313
Type of gen. func.: lgdogf

$$-127 + (x + 1) f(x)$$

Sequence: A140477
Score: 6.58362
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (126 - n) a(n + 1), a(0) = 1, a(1) = 127\}$$

Sequence: A140494
Score: 13.6560
Type of gen. func.: ogf

$$\frac{3 x^4 + 8 x^3 + 1}{(x - 1)^2}$$

Sequence: A140494
Score: 16.2253
Type of gen. func.: lgdogf

$$\frac{2 (3 x^4 - 2 x^3 - 12 x^2 - 1)}{(x - 1) (3 x^4 + 8 x^3 + 1)}$$

Sequence: A140495
Score: 6.93027
Type of gen. func.: ogf

$$-\frac{x\,(9\,x^{11}+3\,x^{10}+6\,x^{9}+3\,x^{5}+3\,x^{4}+3\,x^{3}+3\,x^{2}+2\,x+1)}{3\,x^{9}-3\,x^{6}+3\,x^{3}-1}$$

Sequence: A140498
Score: 14.0454
Type of gen. func.: ogf

$$-\frac{x^{2}+1}{3\,x^{3}-3\,x^{2}+3\,x-1}$$

Sequence: A140498
Score: 16.3901
Type of gen. func.: lgdogf

$$-\frac{3\,x^{4}+6\,x^{2}-4\,x+3}{(x^{2}+1)\,(3\,x^{3}-3\,x^{2}+3\,x-1)}$$

Sequence: A140498
Score: 7.08482
Type of gen. func.: ogf

$$-(15\,f(x)+13)\,(3\,f(x)\,x^{3}-3\,f(x)\,x^{2}+3\,f(x)\,x+x^{2}-f(x)+1)$$

Sequence: A140498
Score: 7.14809
Type of gen. func.: ogf

$$\{a(n+3)-3\,a(n+2)+3\,a(n+1)-3\,a(n),\ a(0)=1,\ a(1)=3,\ a(2)=7\}$$

Sequence: A140500
Score: 10.7132
Type of gen. func.: ogf

$$\frac{(x-1)\,(x^4-x^3-2x-1)}{x^6-x^3+1}$$

Sequence: A140500
Score: 11.0269
Type of gen. func.: lgdogf

$$-\frac{x^{10}-4x^9+3x^8-6x^7+3x^6+6x^5-3x^4+6x^3-6x^2+4x-1}{(x-1)\,(x^4-x^3-2x-1)\,(x^6-x^3+1)}$$

Sequence: A140504
Score: 10.4655
Type of gen. func.: ogf

$$-2 f(x) x^2 + 3 f(x) x - f(x) - 9 x + 5$$

Sequence: A140504
Score: 14.6517
Type of gen. func.: ogf

$$-\frac{9x-5}{(2x-1)\,(x-1)}$$

Sequence: A140504
Score: 16.1398
Type of gen. func.: revogf

$$-\frac{-5-3x+(x^2-6x+25)^{1/2}}{2\,(9+2x)}$$

Sequence: A140504
Score: 16.1398

Type of gen. func.: lgdogf

$$-\frac{2\ (9\ x^{2} - 10\ x + 3)}{(9\ x - 5)\ (x - 1)\ (2\ x - 1)}$$

Sequence: A140504
Score: 8.04056
Type of gen. func.: ogf

$$\{a(n + 2) - 3\ a(n + 1) + 2\ a(n),\ a(0) = 5,\ a(1) = 6\}$$

Sequence: A140505
Score: 12.3026
Type of gen. func.: lgdogf

$$-\frac{20\ x^{4} - 8\ x^{3} - 23\ x^{2} - 6\ x + 1}{(2\ x + 1)\ (2\ x - 1)\ (x + 1)\ (5\ x^{2} - x - 2)}$$

Sequence: A140505
Score: 12.8226
Type of gen. func.: ogf

$$\frac{5\ x^{2} - x - 2}{(2\ x + 1)\ (2\ x - 1)\ (x + 1)}$$

Sequence: A140505
Score: 6.62862
Type of gen. func.: ogf

$$-(17\ f(x) - 138)\ (4\ f(x)\ x^{3} + 4\ f(x)\ x^{2} - f(x)\ x - 5\ x^{2} - f(x) + x + 2)$$

Sequence: A140505
Score: 6.98372
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) + 4\ a(n + 1) + 4\ a(n),\ a(0) = 2,\ a(1) = -1,\ a(2) = 4\}$$

Sequence: A140520
Score: 32.5819
Type of gen. func.: lgdogf

$$-50 + (1 - 5 x) f(x)$$

Sequence: A140520
Score: 5.02493
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (55 + 5 n) a(n + 1), a(0) = 1, a(1) = 50\}$$

Sequence: A140526
Score: 11.7586
Type of gen. func.: lgdegf]

$$-\frac{x^5 + 8 x^3 + 8 x^2 + 9 x + 4}{(x - 1) (x^4 + 4 x^2 + 1)}$$

Sequence: A140529
Score: 14.4929
Type of gen. func.: ogf

$$-\frac{-5 + 2 x}{(4 x - 1) (x - 1)}$$

Sequence: A140529
Score: 14.8753
Type of gen. func.: revogf

$$-\frac{-5 - 5 x + (9 x^2 + 42 x + 25)^{1/2}}{4 (2 x + 1)}$$

Sequence: A140529
Score: 15.9910
Type of gen. func.: lgdogf

$$-\frac{8 x^{2} - 40 x + 23}{(-5 + 2 x) (x - 1) (4 x - 1)}$$

Sequence: A140529
Score: 7.41117
Type of gen. func.: ogf

$$(75 f(x) + 154) (4 f(x) x^{2} - 5 f(x) x + f(x) + 2 x - 5)$$

Sequence: A140529
Score: 7.85761
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - 4 a(n), a(0) = 5, a(1) = 23\}$$

Sequence: A140576
Score: 8.49468
Type of gen. func.: ogf

$$\frac{x (x + 1) (x^{2} + 1) (x^{4} + 1)}{(x - 1) (3 x^{4} + 1) (3 x^{4} - 1)}$$

Sequence: A140590
Score: 2.90895
Type of gen. func.: ogf

$$-\frac{5 x^{2} + x - 3}{(x - 1) (2 x + 1) (2 x - 1)}$$

Sequence: A140590
Score: 7.1107
Type of gen. func.: ogf

$$(9996 f(x) + 31427) (4 f(x) x^{3} - 4 f(x) x^{2} - f(x) x + 5 x^{2} + f(x) + x - 3)$$

Sequence: A140657
Score: 17.5534
Type of gen. func.: ogf

$$\frac{5x-4}{(x+1)(2x-1)}$$

Sequence: A140657
Score: 20.1509
Type of gen. func.: lgdogf

$$-\frac{16x^2-4x+7}{(8x-1)(2x-1)(x+1)}$$

Sequence: A140657
Score: 20.6956
Type of gen. func.: revogf

$$-\frac{x-1+(9x^2+30x+1)^{1/2}}{4(4+x)}$$

Sequence: A140657
Score: 8.4936
Type of gen. func.: ogf

$$-(204 f(x) - 815)(2 f(x) x^2 + f(x) x - f(x) - 5x + 4)$$

Sequence: A140657
Score: 9.63299
Type of gen. func.: ogf

$$\{a(n+2) - a(n+1) - 2 a(n), a(0) = 4, a(1) = -1\}$$

Sequence: A140659
Score: 12.1399
Type of gen. func.: ogf

$$\frac{x^2 (2 x^2 + 1)}{(x - 1) (2 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A140659
Score: 9.16854
Type of gen. func.: lgdogf

$$- \frac{2 (6 x^6 - 2 x^5 + 5 x^4 - 2 x^3 + 2 x^2 - 2 x - 1)}{(x - 1) (2 x - 1) (x + 1) (2 x^2 + 1) (x^2 + 1)}$$

Sequence: A140660
Score: 14.0052
Type of gen. func.: ogf

$$- \frac{7 x - 4}{(4 x - 1) (x - 1)}$$

Sequence: A140660
Score: 14.3649
Type of gen. func.: revogf

$$- \frac{-4 - 5 x + (9 x^2 + 12 x + 16)^{1/2}}{2 (7 + 4 x)}$$

Sequence: A140660
Score: 15.4423
Type of gen. func.: lgdogf

$$- \frac{28 x^2 - 32 x + 13}{(x - 1) (7 x - 4) (4 x - 1)}$$

Sequence: A140660
Score: 6.92565
Type of gen. func.: ogf

$$-(33 f(x) + 37) (4 f(x) x^2 - 5 f(x) x + f(x) + 7 x - 4)$$

Sequence: A140660
Score: 7.59317
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 4 a(n), a(0) = 4, a(1) = 13\}$$

Sequence: A140672
Score: 12.5476
Type of gen. func.: ogf

$$\frac{x (5 x - 8)}{(x - 1)^3}$$

Sequence: A140672
Score: 28.1544
Type of gen. func.: lgdogf

$$-\frac{-19 + 10 x}{(x - 1) (5 x - 8)}$$

Sequence: A140672
Score: 6.38582
Type of gen. func.: ogf

$$(405 f(x) - 7469) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 5 x^2 - f(x) + 8 x)$$

Sequence: A140672
Score: 6.38582
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 0, a(1) = 8, a(2) = 19\}$$

Sequence: A140673

```
Score: 12.5476
Type of gen. func.: ogf


                                 3 x (2 x - 3)
                                 -------------
                                          3
                                   (x - 1)



------------------------------------------------------------------------------

Sequence:  A140673
Score: 30.6026
Type of gen. func.: lgdogf


                                    -7 + 4 x
                              - -----------------
                                (x - 1) (2 x - 3)



------------------------------------------------------------------------------

Sequence:  A140673
Score: 6.38582
Type of gen. func.: ogf


                           3            2            2
       -(f(x) - 26) (f(x) x  - 3 f(x) x  + 3 f(x) x - 6 x  - f(x) + 9 x)



------------------------------------------------------------------------------

Sequence:  A140673
Score: 6.38582
Type of gen. func.: ogf


   {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 9, a(2) = 21}



------------------------------------------------------------------------------

Sequence:  A140674
Score: 12.4617
Type of gen. func.: ogf


                                  x (7 x - 10)
                                  ------------
                                           3
                                    (x - 1)



------------------------------------------------------------------------------

Sequence:  A140674
Score: 27.3626
Type of gen. func.: lgdogf


                                    -23 + 14 x
                              - ------------------
                                (x - 1) (7 x - 10)
```

Sequence: A140674
Score: 6.02317
Type of gen. func.: ogf

$$-(4023 f(x) - 142753) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 7 x^2 - f(x) + 10 x)$$

Sequence: A140674
Score: 6.39628
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 10, a(2) = 23\}$$

Sequence: A140675
Score: 12.5270
Type of gen. func.: ogf

$$\frac{x (8 x - 11)}{(x - 1)^3}$$

Sequence: A140675
Score: 27.5082
Type of gen. func.: lgdogf

$$-\frac{-25 + 16 x}{(x - 1) (8 x - 11)}$$

Sequence: A140675
Score: 6.26349
Type of gen. func.: ogf

$$(2349 f(x) - 110677) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 8 x^2 - f(x) + 11 x)$$

Sequence: A140675
Score: 6.42977
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 11, a(2) = 25\}$$

Sequence: A140676
Score: 12.6033
Type of gen. func.: ogf

$$\frac{x (x - 7)}{(x - 1)^3}$$

Sequence: A140676
Score: 32.1412
Type of gen. func.: lgdogf

$$- \frac{2 (-10 + x)}{(x - 1) (x - 7)}$$

Sequence: A140676
Score: 6.41419
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 7, a(2) = 20\}$$

Sequence: A140676
Score: 7.27113
Type of gen. func.: ogf

$$(15228 f(x) - 70993) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 7 x)$$

Sequence: A140677
Score: 12.5806
Type of gen. func.: ogf

$$\frac{x (5 x - 11)}{(x - 1)^3}$$

Sequence: A140677
Score: 26.6070
Type of gen. func.: lgdogf

$$-\frac{2(-14+5x)}{(x-1)(5x-11)}$$

Sequence: A140677
Score: 6.34498
Type of gen. func.: ogf

$$(3780 f(x) - 49283)(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 5 x^2 - f(x) + 11 x)$$

Sequence: A140677
Score: 6.45728
Type of gen. func.: ogf

$$\{a(n+3) - 3 a(n+2) + 3 a(n+1) - a(n), a(0) = 0, a(1) = 11, a(2) = 28\}$$

Sequence: A140678
Score: 12.5806
Type of gen. func.: ogf

$$\frac{x(-13+7x)}{(x-1)^3}$$

Sequence: A140678
Score: 26.6070
Type of gen. func.: lgdogf

$$-\frac{2(-16+7x)}{(x-1)(-13+7x)}$$

Sequence: A140678
Score: 6.23652
Type of gen. func.: ogf

$$(33372 f(x) - 682879)(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 7 x^2 - f(x) + 13 x)$$

Sequence: A140678
Score: 6.45728
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 13, a(2) = 32\}$$

Sequence: A140679
Score: 12.0366
Type of gen. func.: ogf

$$\frac{x (-17 + 11 x)}{(x - 1)^{3}}$$

Sequence: A140679
Score: 24.1015
Type of gen. func.: lgdogf

$$- \frac{2 (-20 + 11 x)}{(x - 1) (-17 + 11 x)}$$

Sequence: A140679
Score: 5.96771
Type of gen. func.: ogf

$$(49788 f(x) - 2190083) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x - 11 x^{2} - f(x) + 17 x)$$

Sequence: A140679
Score: 6.28458
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 0, a(1) = 17, a(2) = 40\}$$

Sequence: A140680
Score: 12.0999
Type of gen. func.: ogf

$$x (-19 + 13 x)$$

$$\frac{}{(x - 1)^3}$$

Sequence: A140680
Score: 24.2304
Type of gen. func.: lgdogf

$$-\frac{2 (-22 + 13 x)}{(x - 1) (-19 + 13 x)}$$

Sequence: A140680
Score: 5.99912
Type of gen. func.: ogf

$$(59292 f(x) - 3615325) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 13 x^2 - f(x) + 19 x)$$

Sequence: A140680
Score: 6.31765
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 19, a(2) = 44\}$$

Sequence: A140681
Score: 12.0999
Type of gen. func.: ogf

$$\frac{3 x (-7 + 5 x)}{(x - 1)^3}$$

Sequence: A140681
Score: 29.2784
Type of gen. func.: lgdogf

$$-\frac{2 (5 x - 8)}{(x - 1) (-7 + 5 x)}$$

Sequence: A140681
Score: 5.99912
Type of gen. func.: ogf

$$-(860 f(x) - 70551) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 15 x^2 - f(x) + 21 x)$$

Sequence: A140681
Score: 6.31765
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 21, a(2) = 48\}$$

Sequence: A140683
Score: 15.5674
Type of gen. func.: ogf

$$-\frac{-4 + x}{(2 x + 1) (x - 1)}$$

Sequence: A140683
Score: 18.0913
Type of gen. func.: revogf

$$-\frac{-4 - x + (9 x^2 + 12 x + 16)^{1/2}}{2 (2 x + 1)}$$

Sequence: A140683
Score: 21.1926
Type of gen. func.: lgdogf

$$-\frac{2 x^2 - 16 x + 5}{(x - 1) (2 x + 1) (-4 + x)}$$

Sequence: A140683
Score: 7.69817
Type of gen. func.: ogf

$$-(21 f(x) + 59) (2 f(x) x^2 - f(x) x - f(x) + x - 4)$$

Sequence: A140683
Score: 8.54310
Type of gen. func.: ogf

$$\{a(n + 2) + a(n + 1) - 2 a(n), a(0) = -4, a(1) = 5\}$$

Sequence: A140684
Score: 11.6062
Type of gen. func.: ogf

$$-\frac{x (7 x^4 - 3 x^3 - x^2 + 5 x + 1)}{(x - 1) (x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A140684
Score: 8.76286
Type of gen. func.: lgdogf

$$-\frac{2 (7 x^9 - 8 x^8 + x^7 + 14 x^6 - 7 x^5 - 13 x^4 + 17 x^3 - 4 x^2 - x + 3)}{(x - 1) (x + 1) (x^4 - x^3 + x^2 - x + 1) (7 x^4 - 3 x^3 - x^2 + 5 x + 1)}$$

Sequence: A140689
Score: 12.0999
Type of gen. func.: ogf

$$\frac{x (-23 + 17 x)}{(x - 1)^3}$$

Sequence: A140689
Score: 24.2304
Type of gen. func.: lgdogf

$$-\frac{2 (-26 + 17 x)}{(x - 1) (-23 + 17 x)}$$

Sequence: A140689
Score: 5.99912
Type of gen. func.: ogf

$$(11556 f(x) - 1243607) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 17 x^2 - f(x) + 23 x)$$

Sequence: A140689
Score: 6.31765
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 0, a(1) = 23, a(2) = 52\}$$

Sequence: A140701
Score: 4.33560
Type of gen. func.: ogf

$$\{(3 n^2 + 15 n + 20) a(n + 1) - 2 a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A140712
Score: 16.4705
Type of gen. func.: lgdegf]

$$- \frac{2 (x^2 - 8 x + 9)}{(x - 1) (x^2 - 6 x + 6)}$$

Sequence: A140712
Score: 3.74747
Type of gen. func.: egf]

$$(5280 f(x) + 92017) (6 f(x) x^4 - 24 f(x) x^3 + 36 f(x) x^2 - x^3 - 24 f(x) x + 6 x^2 + 6 f(x) - 6 x)$$

Sequence: A140712
Score: 7.05116
Type of gen. func.: egf]

$$\frac{x (x^2 - 6 x + 6)}{6 (x - 1)^4}$$

Sequence: A140716
Score: 11.9265
Type of gen. func.: ogf

$$-\frac{x^2 - 18 x - 7}{(x + 1) (x - 1)^2}$$

Sequence: A140716
Score: 15.4017
Type of gen. func.: lgdogf

$$-\frac{x^3 - 35 x^2 - 37 x - 25}{(x - 1) (x + 1) (x^2 - 18 x - 7)}$$

Sequence: A140716
Score: 6.37453
Type of gen. func.: ogf

$$(57 f(x) + 2120) (f(x) x^3 - f(x) x^2 - f(x) x + x^2 + f(x) - 18 x - 7)$$

Sequence: A140716
Score: 6.48637
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 7, a(1) = 25, a(2) = 31\}$$

Sequence: A140718
Score: 7.27733
Type of gen. func.: ogf

$$-\frac{1711 x^{16} - 1682 x^{12} - 1622 x^8 + 1566 x^4 + 31}{}$$

$$(x+1)^2 (x^2+1)^2 (x^4+1)^2 (x-1)^3$$

Sequence: A140721
Score: 10.7312
Type of gen. func.: ogf

$$\{-a(n+2) + 4 a(n), a(0) = 1, a(1) = -7\}$$

Sequence: A140721
Score: 16.7512
Type of gen. func.: ogf

$$\frac{-1 + 7 x}{(2 x - 1) (2 x + 1)}$$

Sequence: A140721
Score: 18.1143
Type of gen. func.: lgdogf

$$-\frac{28 x^2 - 8 x + 7}{(2 x + 1) (2 x - 1) (-1 + 7 x)}$$

Sequence: A140721
Score: 18.5788
Type of gen. func.: revogf

$$\frac{-1 + (16 x^2 - 28 x + 1)^{1/2}}{2 (-7 + 4 x)}$$

Sequence: A140721
Score: 9.40818
Type of gen. func.: ogf

$$-(53 f(x) + 41) (4 f(x) x^2 - f(x) - 7 x + 1)$$

Sequence: A140724
Score: 10.6591
Type of gen. func.: ogf

$$-\frac{3x^4-3x^3+x^2+3x+1}{(x-1)(x^4-x^3+x^2-x+1)}$$

Sequence: A140724
Score: 9.53606
Type of gen. func.: lgdogf

$$-\frac{3x^8-6x^7+3x^6+20x^5-35x^4+28x^3-11x^2-2x+5}{(x-1)(x^4-x^3+x^2-x+1)(3x^4-3x^3+x^2+3x+1)}$$

Sequence: A140725
Score: 13.5197
Type of gen. func.: ogf

$$-\frac{x(3x+1)}{(2x+1)(3x-1)}$$

Sequence: A140725
Score: 15.9165
Type of gen. func.: lgdogf

$$-\frac{2(9x^2+6x+2)}{(3x-1)(2x+1)(3x+1)}$$

Sequence: A140725
Score: 16.3144
Type of gen. func.: revogf

$$\frac{-1-x+(25x^2+14x+1)^{1/2}}{6(2x+1)}$$

Sequence: A140725
Score: 6.55905
Type of gen. func.: ogf

$$\{a(n+3) - a(n+2) - 6\,a(n+1),\ a(0) = 0,\ a(1) = 1,\ a(2) = 4\}$$

Sequence: A140725
Score: 7.79368
Type of gen. func.: ogf

$$-f(x)\,(6\,f(x)\,x^2 + f(x)\,x + 3\,x^2 - f(x) + x)$$

Sequence: A140730
Score: 13.2023
Type of gen. func.: ogf

$$-\frac{4\,x^3 + 3\,x^2 + 2\,x + 1}{5\,x^4 - 1}$$

Sequence: A140730
Score: 8.55150
Type of gen. func.: ogf

$$\{-a(n+4) + 5\,a(n),\ a(0) = 1,\ a(1) = 2,\ a(2) = 3,\ a(3) = 4\}$$

Sequence: A140730
Score: 8.64979
Type of gen. func.: ogf

$$-(5\,f(x) + 1)\,(5\,f(x)\,x^4 + 4\,x^3 + 3\,x^2 - f(x) + 2\,x + 1)$$

Sequence: A140730
Score: 9.96995
Type of gen. func.: lgdogf

$$-\frac{2\,(10\,x^6 + 15\,x^5 + 15\,x^4 + 10\,x^3 + 6\,x^2 + 3\,x + 1)}{(5\,x^4 - 1)\,(4\,x^3 + 3\,x^2 + 2\,x + 1)}$$

Sequence: A140758
Score: 8.15772
Type of gen. func.: ogf

$$\frac{x (x^7 + x^6 + 2 x^5 + x^4 + 2 x^3 + x^2 + 2 x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A140766
Score: 10.5849
Type of gen. func.: revogf

$$- \frac{-1 - 6 x + ((2 x + 1) (6 x + 1))^{1/2}}{2 (6 x + 1)}$$

Sequence: A140766
Score: 13.6092
Type of gen. func.: lgdogf

$$- \frac{6 x^2 - 12 x + 5}{(x - 1) (6 x^2 - 6 x + 1)}$$

Sequence: A140766
Score: 16.0315
Type of gen. func.: ogf

$$- \frac{x - 1}{6 x^2 - 6 x + 1}$$

Sequence: A140766
Score: 8.38858
Type of gen. func.: ogf

$$(18 f(x) + 7) (6 f(x) x^2 - 6 f(x) x + f(x) + x - 1)$$

Sequence: A140766
Score: 8.79777
Type of gen. func.: ogf

$$\{-a(n+2)+6\,a(n+1)-6\,a(n),\ a(0)=1,\ a(1)=5\}$$

Sequence: A140780
Score: 15.5535
Type of gen. func.: ogf

$$-\frac{-1+7\,x}{x^{2}-10\,x+1}$$

Sequence: A140780
Score: 20.0938
Type of gen. func.: lgdogf

$$-\frac{7\,x^{2}-2\,x+3}{(-1+7\,x)\,(x^{2}-10\,x+1)}$$

Sequence: A140780
Score: 7.61131
Type of gen. func.: ogf

$$-(832\,f(x)-751)\,(f(x)\,x^{2}-10\,f(x)\,x+f(x)+7\,x-1)$$

Sequence: A140780
Score: 8.62002
Type of gen. func.: ogf

$$\{a(n+2)-10\,a(n+1)+a(n),\ a(0)=1,\ a(1)=3\}$$

Sequence: A140781
Score: 2.93578
Type of gen. func.: ogf

$\{a(n + 2) - 10 a(n + 1) + a(n), a(0) = 1, a(1) = 2\}$

Sequence: A140781
Score: 5.29717
Type of gen. func.: ogf

$$-\frac{8 x - 1}{x^2 - 10 x + 1}$$

Sequence: A140781
Score: 6.66887
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^2 - x + 1)}{(8 x - 1) (x^2 - 10 x + 1)}$$

Sequence: A140781
Score: 7.94959
Type of gen. func.: ogf

$$-(9 f(x) - 7) (f(x) x^2 - 10 f(x) x + f(x) + 8 x - 1)$$

Sequence: A140787
Score: 13.6742
Type of gen. func.: ogf

$$\frac{1}{(x + 1) (2 x + 1) (2 x - 1)^2}$$

Sequence: A140787
Score: 16.8316
Type of gen. func.: lgdogf

$$-\frac{16 x^2 + 14 x + 1}{(2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A140787
Score: 5.4921
Type of gen. func.: ogf

$$-(14 f(x) + 5) (8 f(x) x^4 + 4 f(x) x^3 - 6 f(x) x^2 - f(x) x + f(x) - 1)$$

Sequence: A140788
Score: 12.9017
Type of gen. func.: ogf

$$-\frac{2 (7 x - 4)}{(4 x - 1) (x - 1)}$$

Sequence: A140788
Score: 13.5143
Type of gen. func.: revogf

$$-\frac{-8 - 5 x + (9 x^2 + 24 x + 64)^{1/2}}{4 (7 + 2 x)}$$

Sequence: A140788
Score: 14.5279
Type of gen. func.: lgdogf

$$-\frac{28 x^2 - 32 x + 13}{(x - 1) (7 x - 4) (4 x - 1)}$$

Sequence: A140788
Score: 6.45087
Type of gen. func.: ogf

$$-(33 f(x) + 74) (4 f(x) x^2 - 5 f(x) x + f(x) + 14 x - 8)$$

Sequence: A140788

Score: 7.15036
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 4 a(n), a(0) = 8, a(1) = 26\}$$

Sequence: A140796
Score: 12.4791
Type of gen. func.: ogf

$$- \frac{(x + 1) (3 x + 1)}{(2 x + 1) (3 x - 1)}$$

Sequence: A140796
Score: 13.7949
Type of gen. func.: lgdogf

$$- \frac{21 x^2 + 18 x + 5}{(3 x - 1) (2 x + 1) (3 x + 1) (x + 1)}$$

Sequence: A140796
Score: 6.42130
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 5, a(2) = 14\}$$

Sequence: A140796
Score: 7.0361
Type of gen. func.: ogf

$$(2 + 23 f(x)) (6 f(x) x^2 + f(x) x + 3 x^2 - f(x) + 4 x + 1)$$

Sequence: A140801
Score: 12.9698
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 360 x + 360$$

Sequence: A140801
Score: 17.7342
Type of gen. func.: ogf

$$\frac{360 (x + 1)}{(x - 1)^2}$$

Sequence: A140801
Score: 41.1047
Type of gen. func.: ogf_with_Euler_transform]

[3 - x]

Sequence: A140801
Score: 9.98822
Type of gen. func.: ogf

{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 360, a(1) = 1080}

Sequence: A140802
Score: 11.5747
Type of gen. func.: ogf

$$\frac{1}{(8 x - 1)^4}$$

Sequence: A140802
Score: 5.16409
Type of gen. func.: ogf

$$-(f(x) + 1) (4096 f(x) x^4 - 2048 f(x) x^3 + 384 f(x) x^2 - 32 f(x) x + f(x) - 1)$$

Sequence: A140802
Score: 54.9629
Type of gen. func.: lgdogf

$$- \frac{32}{8 x - 1}$$

Sequence: A140802
Score: 6.33332
Type of gen. func.: ogf

$$\{(-n-2)\, a(n+2) + (40+8n)\, a(n+1),\ a(0)=1,\ a(1)=32\}$$

Sequence: A140806
Score: 8.04546
Type of gen. func.: ogf

$$\frac{(x+1)(x^2+1)(15x^4+1)}{(x^4-2x^3+2x^2+2x+1)(x^4+2x^3+2x^2-2x+1)}$$

Sequence: A140811
Score: 13.2297
Type of gen. func.: ogf

$$-\frac{5x^2+8x-1}{(x-1)^3}$$

Sequence: A140811
Score: 23.3998
Type of gen. func.: lgdogf

$$-\frac{(x+5)(1+5x)}{(x-1)(5x^2+8x-1)}$$

Sequence: A140811
Score: 7.07906
Type of gen. func.: ogf

$$(71 f(x) - 325)(f(x)\, x^3 - 3 f(x)\, x^2 + 3 f(x)\, x + 5x^2 - f(x) + 8x - 1)$$

Sequence: A140811
Score: 7.14170
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = -1, a(1) = 5, a(2) = 23}

Sequence: A140823
Score: 14.3234
Type of gen. func.: ogf

$$-\frac{x^{15} - x^{14} + x - 2}{(x - 1)^{2}}$$

Sequence: A140823
Score: 17.3582
Type of gen. func.: lgdogf

$$\frac{13 x^{15} - 27 x^{14} + 14 x^{13} - x + 3}{(x - 1) (x^{15} - x^{14} + x - 2)}$$

Sequence: A140824
Score: 11.9925
Type of gen. func.: lgdogf

$$-\frac{2 x^{5} - 3 x^{4} - 4 x^{3} + 12 x^{2} - 6 x + 3}{(x - 1) (x + 1) (x^{2} + 1) (x^{2} - 3 x + 1)}$$

Sequence: A140824
Score: 12.1510
Type of gen. func.: ogf

$$-\frac{x (x - 1) (x + 1)}{(x^{2} + 1) (x^{2} - 3 x + 1)}$$

Sequence: A140824
Score: 6.21903
Type of gen. func.: ogf

$$(39 f(x) + 25) (f(x) x^4 - 3 f(x) x^3 + 2 f(x) x^2 + x^3 - 3 f(x) x + f(x) - x)$$

Sequence: A140827
Score: 10.9878
Type of gen. func.: lgdogf

$$- \frac{x^{10} + 3 x^8 - 5 x^6 - 6 x^5 + 3 x^4 + 8 x^3 + 9 x^2 + 4 x + 1}{(x^6 - 4 x^3 + 1) (x^5 + x^3 - 2 x^2 - x - 1)}$$

Sequence: A140827
Score: 12.7004
Type of gen. func.: ogf

$$- \frac{x^5 + x^3 - 2 x^2 - x - 1}{x^6 - 4 x^3 + 1}$$

Sequence: A140829
Score: 6.87245
Type of gen. func.: ogf

$$\frac{(x^3 + x + 1) (x^9 - x - 1)}{(x + 1) (x^4 + x^2 - 1)}$$

Sequence: A140833
Score: 15.0690
Type of gen. func.: ogf

$$\frac{2 (x + 1) x}{(x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A140833
Score: 9.39596
Type of gen. func.: ogf

$$-f(x)\,(f(x)\,x^{4} - 3\,f(x)\,x^{2} - 2\,x^{2} + f(x) - 2\,x)$$

Sequence: A140870
Score: 6.96834
Type of gen. func.: ogf

$$-\frac{443\,x^{4} + 6268\,x^{3} + 6298\,x^{2} + 428\,x + 3}{(x - 1)^{5}}$$

Sequence: A140870
Score: 8.55349
Type of gen. func.: lgdogf

$$-\frac{443\,x^{4} + 14308\,x^{3} + 37698\,x^{2} + 14308\,x + 443}{(x - 1)\,(443\,x^{4} + 6268\,x^{3} + 6298\,x^{2} + 428\,x + 3)}$$

Sequence: A140898
Score: 11.9784
Type of gen. func.: ogf

$$-136\,f(x)\,x^{2} - 2\,f(x)\,x + f(x) - x$$

Sequence: A140898
Score: 18.7355
Type of gen. func.: ogf

$$-\frac{x}{136\,x^{2} + 2\,x - 1}$$

Sequence: A140898
Score: 18.9882
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (548 x^2 + 4 x + 1)^{1/2}}{272 x}$$

Sequence: A140898
Score: 25.7697
Type of gen. func.: lgdogf

$$- \frac{2 (1 + 136 x)}{136 x^2 + 2 x - 1}$$

Sequence: A140898
Score: 8.80343
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 136 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A140901
Score: 5.05162
Type of gen. func.: ogf

$$\{(n^3 + 24 n^2 + 191 n + 504) a(n + 1) + (-n^3 - 9 n^2 - 26 n - 24) a(n + 2),$$
$$a(0) = 1, a(1) = 56\}$$

Sequence: A140903
Score: 5.15174
Type of gen. func.: ogf

$$\{(n^3 + 27 n^2 + 242 n + 720) a(n + 1) + (-n^3 - 9 n^2 - 26 n - 24) a(n + 2),$$
$$a(0) = 1, a(1) = 84\}$$

Sequence: A140904
Score: 4.09434
Type of gen. func.: ogf

$$\{(-n^4 - 38 n^3 - 539 n^2 - 3382 n - 7920) a(n + 1)$$

$$+ (n^4 + 14 n^3 + 71 n^2 + 154 n + 120) a(n + 2), a(0) = 1, a(1) = 210\}$$

Sequence: A140907
Score: 4.75185
Type of gen. func.: ogf

$$\{(n^3 + 30 n^2 + 299 n + 990) a(n + 1) + (-n^3 - 9 n^2 - 26 n - 24) a(n + 2),$$
$$a(0) = 1, a(1) = 120\}$$

Sequence: A140908
Score: 4.04652
Type of gen. func.: ogf

$$\{(-n^4 - 42 n^3 - 659 n^2 - 4578 n - 11880) a(n + 1)$$
$$+ (n^4 + 14 n^3 + 71 n^2 + 154 n + 120) a(n + 2), a(0) = 1, a(1) = 330\}$$

Sequence: A140912
Score: 4.55783
Type of gen. func.: ogf

$$\{(n^3 + 33 n^2 + 362 n + 1320) a(n + 1) + (-n^3 - 9 n^2 - 26 n - 24) a(n + 2),$$
$$a(0) = 1, a(1) = 165\}$$

Sequence: A140913
Score: 3.88316
Type of gen. func.: ogf

$$\{(-n^4 - 46 n^3 - 791 n^2 - 6026 n - 17160) a(n + 1)$$
$$+ (n^4 + 14 n^3 + 71 n^2 + 154 n + 120) a(n + 2), a(0) = 1, a(1) = 495\}$$

Sequence: A140918
Score: 4.43454
Type of gen. func.: ogf

$\{(n^{3} + 36 n^{2} + 431 n + 1716) a(n + 1) + (-n^{3} - 9 n^{2} - 26 n - 24) a(n + 2),$

$a(0) = 1, a(1) = 220\}$

Sequence: A140919
Score: 3.71854
Type of gen. func.: ogf

$\{(-n^{4} - 50 n^{3} - 935 n^{2} - 7750 n - 24024) a(n + 1)$

$+ (n^{4} + 14 n^{3} + 71 n^{2} + 154 n + 120) a(n + 2), a(0) = 1, a(1) = 715\}$

Sequence: A140925
Score: 5.95773
Type of gen. func.: ogf

$\{(n^{2} + 25 n + 156) a(n + 1) + (-n^{2} - 5 n - 6) a(n + 2), a(0) = 1, a(1) = 66\}$

Sequence: A140926
Score: 4.67210
Type of gen. func.: ogf

$\{(n^{3} + 39 n^{2} + 506 n + 2184) a(n + 1) + (-n^{3} - 9 n^{2} - 26 n - 24) a(n + 2),$

$a(0) = 1, a(1) = 286\}$

Sequence: A140927
Score: 3.88485
Type of gen. func.: ogf

$\{(-n^{4} - 54 n^{3} - 1091 n^{2} - 9774 n - 32760) a(n + 1)$

$+ (n^{4} + 14 n^{3} + 71 n^{2} + 154 n + 120) a(n + 2), a(0) = 1, a(1) = 1001\}$

Sequence: A140934
Score: 5.67165
Type of gen. func.: ogf

2 2

$\{(n + 27 n + 182) a(n + 1) + (-n - 5 n - 6) a(n + 2), a(0) = 1, a(1) = 78\}$

Sequence: A140935
Score: 4.38565
Type of gen. func.: ogf

$$\{(n^3 + 42 n^2 + 587 n + 2730) a(n + 1) + (-n^3 - 9 n^2 - 26 n - 24) a(n + 2), a(0) = 1, a(1) = 364\}$$

Sequence: A140949
Score: 7.22182
Type of gen. func.: ogf

$$- \frac{x^{26} - 2 x^{25} + x^{24} + x^9 - 2 x^8 + x^7 + x^4 - 2 x^2 + 3}{(x + 1) (x - 1)^3}$$

Sequence: A140952
Score: 6.19069
Type of gen. func.: ogf

$$- 1/((x + 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^5)$$

Sequence: A140955
Score: 5.76770
Type of gen. func.: lgdogf

$$- \frac{2}{x - 1}$$

Sequence: A140960
Score: 12.8205
Type of gen. func.: ogf

$$4 f(x) x^3 - 3 f(x) x - 2 x^2 + f(x)$$

Sequence: A140960
Score: 21.8296
Type of gen. func.: ogf

$$\frac{2 x^2}{(x + 1) (2 x - 1)^2}$$

Sequence: A140960
Score: 32.0280
Type of gen. func.: lgdogf

$$- \frac{3 (2 x + 1)}{(x + 1) (2 x - 1)}$$

Sequence: A140960
Score: 8.77928
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 4 a(n), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A140961
Score: 12.7030
Type of gen. func.: ogf

$$\frac{2 x - 1}{(6 x - 1) (8 x - 1) (5 x - 1)}$$

Sequence: A140961
Score: 6.13978
Type of gen. func.: ogf

$$\{a(n + 3) - 19 a(n + 2) + 118 a(n + 1) - 240 a(n), a(0) = 1, a(1) = 17, a(2) = 205\}$$

Sequence: A140961
Score: 6.3515
Type of gen. func.: ogf

$$(60179 f(x) - 58640) (240 f(x) x^3 - 118 f(x) x^2 + 19 f(x) x - f(x) - 2 x + 1)$$

Sequence: A140962
Score: 12.8413
Type of gen. func.: ogf

$$-\frac{(x + 1) x}{(2 x + 1) (x - 1)^2}$$

Sequence: A140962
Score: 21.6767
Type of gen. func.: lgdogf

$$-\frac{4 x^2 + 7 x + 1}{(x - 1) (2 x + 1) (x + 1)}$$

Sequence: A140962
Score: 7.31814
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 1) - 2 a(n), a(0) = 0, a(1) = -1, a(2) = -1\}$$

Sequence: A140962
Score: 7.31815
Type of gen. func.: ogf

$$-(f(x) - 1) (2 f(x) x^3 - 3 f(x) x^2 + x^2 + f(x) + x)$$

Sequence: A140966
Score: 13.4307
Type of gen. func.: ogf

$$-\frac{3 x + 2}{}$$

$$(2 x + 1) (x - 1)$$

Sequence: A140966
Score: 16.8085
Type of gen. func.: revogf

$$\frac{-2 + x + (9 x^2 + 8 x + 4)^{1/2}}{2 (3 + 2 x)}$$

Sequence: A140966
Score: 17.7423
Type of gen. func.: lgdogf

$$- \frac{6 x^2 + 8 x + 1}{(x - 1) (3 x + 2) (2 x + 1)}$$

Sequence: A140966
Score: 6.94692
Type of gen. func.: ogf

$$(22 f(x) - 43) (2 f(x) x^2 - f(x) x - f(x) + 3 x + 2)$$

Sequence: A140966
Score: 7.37051
Type of gen. func.: ogf

$$\{-a(n + 2) - a(n + 1) + 2 a(n), a(0) = 2, a(1) = 1\}$$

Sequence: A140976
Score: 4.52939
Type of gen. func.: ogf

$$- \frac{2 (x^6 + 2 x^4 + 3 x^2 + 4)}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A140983
Score: 13.0388
Type of gen. func.: revegf]

$$\frac{x^2 + 2x + 2\ln(x+1)x + 2\ln(x+1)}{(x+1)(x+2)^2}$$

Sequence: A140986
Score: 3.72599
Type of gen. func.: ogf

$$-\frac{2x^2(931x^6 + 4848x^5 + 8619x^4 + 4864x^3 + 849x^2 + 48x + 1)}{(x-1)^9}$$

Sequence: A140986
Score: 5.68112
Type of gen. func.: lgdogf

$$-\frac{3(x+1)(931x^5 + 7395x^4 + 15050x^3 + 6170x^2 + 675x + 19)}{(x-1)(931x^6 + 4848x^5 + 8619x^4 + 4864x^3 + 849x^2 + 48x + 1)}$$

Sequence: A140991
Score: 7.59347
Type of gen. func.: ogf

$$\frac{x(7x^4 + 8x^3 - 8x^2 + 1)}{(2x-1)(x+1)^2(x-1)^3}$$

Sequence: A140991
Score: 7.64853
Type of gen. func.: lgdogf

$$-\frac{28x^6 + 55x^5 - 29x^4 + 4x^3 - 20x^2 + 13x - 3}{(x-1)(2x-1)(x+1)(7x^4 + 8x^3 - 8x^2 + 1)}$$

Sequence: A140992
Score: 13.4140
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - x^4 - x^3 + 3 x^2 - 2}{(x - 1) (x^2 + x - 1) (x^3 - x + 1)}$$

Sequence: A140992
Score: 4.48189
Type of gen. func.: ogf

$$-(3 f(x) - 2)$$

$$(f(x) x^5 + f(x) x^4 - 3 f(x) x^3 + x^4 - f(x) x^2 + 3 f(x) x - x^2 - f(x) + x)$$

Sequence: A140992
Score: 8.57646
Type of gen. func.: ogf

$$-\frac{x (x^3 - x + 1)}{(x - 1) (x^2 + x - 1)^2}$$

Sequence: A141000
Score: 8.69970
Type of gen. func.: lgdogf

$$\frac{4 x^8 + 5 x^7 - 9 x^6 - 10 x^5 - 2 x^4 - 3 x^3 + 13 x^2 + 14 x + 4}{(x - 1) (x + 1) (x^7 + 2 x^6 + 2 x^4 - x^3 - 4 x^2 - 3 x - 1)}$$

Sequence: A141000
Score: 8.91801
Type of gen. func.: ogf

$$x (x^7 + 2 x^6 + 2 x^4 - x^3 - 4 x^2 - 3 x - 1)$$

$$- \frac{}{(x + 1) (x - 1)^{2}}$$

Sequence: A141001
Score: 5.76771
Type of gen. func.: ogf

$$- \frac{x^{13} - x^{12} - 2 x^{9} + 2 x^{8} - x^{7} + x^{6} + x^{5} - x^{3} + 2 x^{2} - 2 x + 1}{(x^{2} + 1) (x - 1)^{3}}$$

Sequence: A141003
Score: 21.1960
Type of gen. func.: lgdegf]

$$\exp(4 x) + \exp(x) + \exp(2 x)$$

Sequence: A141006
Score: 21.3671
Type of gen. func.: lgdegf]

$$\exp(9 x) + \exp(x) + \exp(3 x)$$

Sequence: A141009
Score: 33.9985
Type of gen. func.: lgdegf]

$$\exp(13 x) + \exp(x)$$

Sequence: A141012
Score: 11.6234
Type of gen. func.: lgdogf

$$- \frac{91 x^{2} - 26 x + 7}{(x - 1) (13 x - 1) (-1 + 7 x)}$$

Sequence: A141012

Score: 4.44051
Type of gen. func.: ogf

$$\{-a(n + 3) + 14 a(n + 2) - 13 a(n + 1), a(0) = 0, a(1) = 2, a(2) = 14\}$$

Sequence: A141012
Score: 5.49778
Type of gen. func.: ogf

$$f(x) (13 f(x) x^2 - 14 f(x) x + 14 x^2 + f(x) - 2 x)$$

Sequence: A141012
Score: 8.88102
Type of gen. func.: ogf

$$- \frac{2 x (-1 + 7 x)}{(13 x - 1) (x - 1)}$$

Sequence: A141013
Score: 2.71923
Type of gen. func.: ogf

$$-(268304400 f(x) - 2628211163) (196 f(x) x^4 - 336 f(x) x^3 + 336 x^4 + 163 f(x) x^2 - 326 x^3 - 24 f(x) x + 72 x^2 + f(x) - 4 x)$$

Sequence: A141013
Score: 5.08759
Type of gen. func.: ogf

$$- \frac{2 x (168 x^3 - 163 x^2 + 36 x - 2)}{(x - 1) (14 x - 1) (2 x - 1) (-1 + 7 x)}$$

Sequence: A141014
Score: 2.88411
Type of gen. func.: ogf

$$-(793800 f(x) + 716099) (225 f(x) x^4 - 360 f(x) x^3 + 360 x^4 + 158 f(x) x^2$$

$$- 316 x^3 - 24 f(x) x + 72 x^2 + f(x) - 4 x)$$

Sequence: A141014
Score: 5.17899
Type of gen. func.: ogf

$$- \frac{4 x (90 x^3 - 79 x^2 + 18 x - 1)}{(x - 1) (15 x - 1) (3 x - 1) (5 x - 1)}$$

Sequence: A141015
Score: 11.4466
Type of gen. func.: ogf

$$- \frac{(x + 1) x}{x^3 + 2 x^2 + x - 1}$$

Sequence: A141015
Score: 15.2894
Type of gen. func.: lgdogf

$$- \frac{2 x^3 + 5 x^2 + 4 x + 2}{(x + 1) (x^3 + 2 x^2 + x - 1)}$$

Sequence: A141015
Score: 5.87800
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 2 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A141015
Score: 7.67597
Type of gen. func.: ogf

$$f(x) x^3 + 2 f(x) x^2 + f(x) x + x^2 - f(x) + x$$

Sequence: A141016
Score: 2.91357
Type of gen. func.: ogf

$$f(x) x^3 + 2 f(x) x - f(x) + x$$

Sequence: A141016
Score: 33.1408
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 2}{x^3 + 2 x - 1}$$

Sequence: A141016
Score: 4.64597
Type of gen. func.: ogf

$$-\frac{x}{x^3 + 2 x - 1}$$

Sequence: A141023
Score: 10.271
Type of gen. func.: ogf

$$-2 f(x) x^3 + f(x) x^2 + 2 f(x) x + 3 x^2 - f(x)$$

Sequence: A141023
Score: 18.4878
Type of gen. func.: ogf

$$\frac{3 x^2}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A141023

Score: 22.9123
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^2 - x - 1)}{(x - 1)\,(2\,x - 1)\,(x + 1)}$$

Sequence: A141023
Score: 7.56320
Type of gen. func.: ogf

$$\{a(n + 3) - 2\,a(n + 2) - a(n + 1) + 2\,a(n),\ a(0) = 0,\ a(1) = 0,\ a(2) = 3\}$$

Sequence: A141025
Score: 11.0354
Type of gen. func.: ogf

$$-\frac{6\,x^3 - x^2 - 2\,x + 1}{(x + 1)\,(2\,x - 1)\,(x - 1)^2}$$

Sequence: A141025
Score: 11.2906
Type of gen. func.: lgdogf

$$-\frac{12\,x^5 + 8\,x^4 + 5\,x^3 - 11\,x^2 + 3\,x - 1}{(x - 1)\,(2\,x - 1)\,(x + 1)\,(6\,x^3 - x^2 - 2\,x + 1)}$$

Sequence: A141025
Score: 4.33535
Type of gen. func.: ogf

$$\{(-4\,n - 6)\,a(n + 1) + (2\,n - 1)\,a(n + 2) + (4\,n + 4)\,a(n + 3)$$

$$+ (-2\,n - 1)\,a(n + 4),\ a(0) = 1,\ a(1) = 1,\ a(2) = 1,\ a(3) = 5\}$$

Sequence: A141025
Score: 6.02644
Type of gen. func.: ogf

$$-(2 f(x) - 5)$$

$$(2 f(x) x^4 - 3 f(x) x^3 - f(x) x^2 + 6 x^3 + 3 f(x) x - x^2 - f(x) - 2 x + 1)$$

Sequence: A141032
Score: 10.9572
Type of gen. func.: ogf

$$-16 f(x) x^2 + 17 f(x) x - f(x) + 4 x$$

Sequence: A141032
Score: 11.0865
Type of gen. func.: revogf

$$- \frac{-17 x - 4 + (9 x + 4)^{1/2} (25 x + 4)^{1/2}}{32 x}$$

Sequence: A141032
Score: 13.2943
Type of gen. func.: ogf

$$\frac{4 x}{(16 x - 1) (x - 1)}$$

Sequence: A141032
Score: 19.6145
Type of gen. func.: lgdogf

$$- \frac{-17 + 32 x}{(16 x - 1) (x - 1)}$$

Sequence: A141032
Score: 6.24671
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1) + 16 a(n), a(0) = 0, a(1) = 4\}$$

Sequence: A141035
Score: 7.71166
Type of gen. func.: ogf

$$\frac{2 x^{2} (x + 1) (x^{4} + x^{3} + 2 x^{2} - x + 2)}{(x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A141036
Score: 11.2728
Type of gen. func.: ogf

$$\frac{2 x^{2} + x - 2}{x^{3} + x^{2} + x - 1}$$

Sequence: A141036
Score: 13.7456
Type of gen. func.: lgdogf

$$- \frac{2 x^{4} + 2 x^{3} - 7 x^{2} - 1}{(2 x^{2} + x - 2) (x^{3} + x^{2} + x - 1)}$$

Sequence: A141036
Score: 5.87727
Type of gen. func.: ogf

$$-(25 f(x) - 47) (f(x) x^{3} + f(x) x^{2} + f(x) x - 2 x^{2} - f(x) - x + 2)$$

Sequence: A141036
Score: 6.13964
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) + a(n), a(0) = 2, a(1) = 1, a(2) = 1\}$$

Sequence: A141038

Score: 14.9528
Type of gen. func.: ogf

$$\frac{(x + 1) (x - 2)}{x^3 + x^2 - 1}$$

Sequence: A141038
Score: 17.0764
Type of gen. func.: lgdogf

$$- \frac{x^4 - 2 x^3 - 7 x^2 - 2 x - 1}{(x - 2) (x + 1) (x^3 + x^2 - 1)}$$

Sequence: A141038
Score: 8.60918
Type of gen. func.: ogf

$$-(23 f(x) - 38) (f(x) x^3 + f(x) x^2 - x^2 - f(x) + x + 2)$$

Sequence: A141038
Score: 9.06712
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1) + a(n), a(0) = 2, a(1) = 1, a(2) = 1\}$$

Sequence: A141041
Score: 13.4635
Type of gen. func.: ogf

$$\frac{3 x - 1}{3 x^2 + 6 x - 1}$$

Sequence: A141041
Score: 15.2226
Type of gen. func.: lgdogf

$$3 (3 x + 1) (x - 1)$$

```
                          - --------------------------
                                          2
                            (3 x - 1) (3 x  + 6 x - 1)


------------------------------------------------------------------------------

Sequence:  A141041
Score: 6.96391
Type of gen. func.: ogf


                                     2
             (52 f(x) - 43) (3 f(x) x  + 6 f(x) x - f(x) - 3 x + 1)


------------------------------------------------------------------------------

Sequence:  A141041
Score: 7.38852
Type of gen. func.: ogf


             {-a(n + 2) + 6 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 3}


------------------------------------------------------------------------------

Sequence:  A141044
Score: 11.8011
Type of gen. func.: ogf


              {-a(n + 3) + a(n + 2), a(0) = 2, a(1) = 2, a(2) = 1}


------------------------------------------------------------------------------

Sequence:  A141044
Score: 13.2172
Type of gen. func.: ogf


                                             2
                      -(f(x) - 2) (f(x) x - x  - f(x) + 2)


------------------------------------------------------------------------------

Sequence:  A141044
Score: 24.1779
Type of gen. func.: ogf


                                      2
                                     x  - 2
                                     ------
                                     x - 1


------------------------------------------------------------------------------

Sequence:  A141044
Score: 38.9071
Type of gen. func.: lgdogf
```

$$\frac{x^2 - 2 x + 2}{(x - 1) (x^2 - 2)}$$

Sequence: A141046
Score: 17.0959
Type of gen. func.: lgdogf

$$- \frac{2 (x^3 + 18 x^2 + 33 x + 8)}{(x - 1) (x + 1) (x^2 + 10 x + 1)}$$

Sequence: A141046
Score: 4.52319
Type of gen. func.: ogf

$$\{(-4 n^2 - 17 n - 18) a(n + 1) + (8 n^2 + 32 n + 72) a(n + 2)$$
$$+ (-4 n^2 - 15 n - 14) a(n + 3), a(0) = 0, a(1) = 4, a(2) = 64\}$$

Sequence: A141046
Score: 8.75457
Type of gen. func.: ogf

$$- \frac{4 x (x + 1) (x^2 + 10 x + 1)}{(x - 1)^5}$$

Sequence: A141052
Score: 17.5583
Type of gen. func.: lgdegf]

$$- \frac{12 (4 + x)}{(x - 1) (x^4 - 4 x^3 + 6 x^2 + 12)}$$

Sequence: A141052
Score: 3.18852
Type of gen. func.: ogf

$$\{(-n^2 - 3 n) a(n) + (4 n^2 + 25 n + 27) a(n + 1) + (-5 n^2 - 49 n - 98) a(n + 2) + (5 n + 15) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 21\}$$

Sequence: A141052
Score: 3.95143
Type of gen. func.: egf]

$$(209425500 f(x) + 192083969) (12 f(x) x^4 - 48 f(x) x^3 - x^4 + 72 f(x) x^2 + 4 x^3 - 48 f(x) x - 6 x^2 + 12 f(x) - 12)$$

Sequence: A141052
Score: 7.40324
Type of gen. func.: egf]

$$\frac{x^4 - 4 x^3 + 6 x^2 + 12}{12 (x - 1)^4}$$

Sequence: A141054
Score: 32.7512
Type of gen. func.: lgdogf

$$-72 + (1 - 8 x) f(x)$$

Sequence: A141054
Score: 5.04821
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (80 + 8 n) a(n + 1), a(0) = 1, a(1) = 72\}$$

Sequence: A141060
Score: 12.0562
Type of gen. func.: ogf

```
                                     8 x - 3
                              - ------------------
                                (16 x - 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A141060
Score: 6.02811
Type of gen. func.: ogf


                                      2
           -(635 f(x) - 56) (16 f(x) x  - 17 f(x) x + f(x) + 8 x - 3)



------------------------------------------------------------------------------

Sequence:  A141060
Score: 6.66638
Type of gen. func.: ogf


            {a(n + 2) - 17 a(n + 1) + 16 a(n), a(0) = 3, a(1) = 43}



------------------------------------------------------------------------------

Sequence:  A141094
Score: 13.7183
Type of gen. func.: ogf_with_Euler_transform]


                                    4      2
                                 3 x  + 2 x  + 3
                               - ----------------
                                       6
                                     -x  + 1



------------------------------------------------------------------------------

Sequence:  A141104
Score: 5.93628
Type of gen. func.: ogf


      12    11    10       9    8    7      6    5    4      3    2
2 (2 x   + x   + x   + 2 x  + x  + x  + 2 x  + x  + x  + 2 x  + x  + x + 1)

       /    12    11    10    9    8    7    6    5    4    3    2
      /  ((x   + x   + x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1)
     /

           2
    (x - 1) )



------------------------------------------------------------------------------

Sequence:  A141109
Score: 2.02771
Type of gen. func.: ogf


                            2                             2
```

$$(f(x) x - 2 f(x) x + f(x) + 2 x - 4)$$

Sequence: A141124
Score: 10.0413
Type of gen. func.: ogf

$$\frac{(x - 1) (x^{2} - 6 x - 1)}{(x^{2} + 1)^{2}}$$

Sequence: A141124
Score: 13.6158
Type of gen. func.: lgdogf

$$- \frac{x^{4} - 14 x^{3} + 12 x^{2} + 18 x - 5}{(x - 1) (x^{2} + 1) (x^{2} - 6 x - 1)}$$

Sequence: A141124
Score: 6.2758
Type of gen. func.: ogf

$$(84 f(x) + 121) (f(x) x^{4} + 2 f(x) x^{2} - x^{3} + 7 x^{2} + f(x) - 5 x - 1)$$

Sequence: A141125
Score: 14.3726
Type of gen. func.: ogf

$$\frac{4 x + 1}{4 x^{2} + 1}$$

Sequence: A141125
Score: 16.3934
Type of gen. func.: revogf

$$- \frac{-1 + (-16 x^{2} + 16 x + 1)^{1/2}}{8 (x - 1)}$$

Sequence: A141125
Score: 17.7986
Type of gen. func.: lgdogf

$$-\frac{4\,(4\,x^{2}+2\,x-1)}{(4\,x+1)\,(4\,x^{2}+1)}$$

Sequence: A141125
Score: 8.66583
Type of gen. func.: ogf

$$(3\,f(x)-19)\,(4\,f(x)\,x^{2}+f(x)-4\,x-1)$$

Sequence: A141125
Score: 9.20747
Type of gen. func.: ogf

$$\{a(n+2)+4\,a(n),\ a(0)=1,\ a(1)=4\}$$

Sequence: A141134
Score: 4.72541
Type of gen. func.: ogf

$$-\frac{x^{5}+2\,x^{4}+3\,x^{3}+5\,x^{2}+6\,x-1}{(x+1)^{2}\,(x^{2}+1)^{2}}$$

Sequence: A141134
Score: 6.18490
Type of gen. func.: lgdogf

$$-\frac{x^{7}+3\,x^{6}+6\,x^{5}+14\,x^{4}+29\,x^{3}+3\,x^{2}-8\,x-8}{(x+1)\,(x^{2}+1)\,(x^{5}+2\,x^{4}+3\,x^{3}+5\,x^{2}+6\,x-1)}$$

Sequence: A141146
Score: 3.43572
Type of gen. func.: ogf

$$\{(-8 n^{2} - 32 n - 32) a(n + 1) + (-7 n^{2} - 43 n - 64) a(n + 2) + (n^{2} + 7 n + 10) a(n + 3), a(0) = 0, a(1) = 2, a(2) = 14\}$$

Sequence: A141213
Score: 3.67641
Type of gen. func.: ogf

$$- \frac{x^{30} + 12 x^{29} + 4 x^{2} - 4 x - 3}{5 x^{30} - 4 x^{29} + 2 x^{3} - 3 x^{2} + 1}$$

Sequence: A141221
Score: 3.42105
Type of gen. func.: ogf

$$-(1283258 f(x) + 7786235) (f(x) x^{4} - 10 f(x) x^{3} + 6 x^{4} + 16 f(x) x^{2} - 58 x^{3} - 8 f(x) x + 84 x^{2} + f(x) - 30 x)$$

Sequence: A141221
Score: 5.73919
Type of gen. func.: lgdogf

$$- \frac{3 x^{6} - 58 x^{5} + 368 x^{4} - 852 x^{3} + 881 x^{2} - 422 x + 78}{(x - 1) (3 x^{3} - 29 x^{2} + 42 x - 15) (x^{3} - 9 x^{2} + 7 x - 1)}$$

Sequence: A141221
Score: 6.44430
Type of gen. func.: ogf

$$- \frac{2 x (3 x^{3} - 29 x^{2} + 42 x - 15)}{{}^{3} \quad {}^{2}}$$

$$(x - 1) (x - 9 x + 7 x - 1)$$

Sequence: A141222
Score: 3.21468
Type of gen. func.: ogf

$$-64 f(x)^2 x^4 + 48 f(x)^2 x^3 - 12 f(x)^2 x^2 - 64 f(x) x^3 + f(x)^2 x + 48 f(x) x^2 - 4 x^3 - 12 f(x) x - 8 x^2 + f(x) + 6 x - 1$$

Sequence: A141223
Score: 12.2326
Type of gen. func.: lgdogf

$$\frac{-72 x + 17 + 3 (1 - 4 x)^{1/2}}{2 (9 x - 2) (4 x - 1)}$$

Sequence: A141223
Score: 13.0667
Type of gen. func.: revogf

$$-\frac{(-3 - 17 x + (x^2 + 6 x + 1)^{1/2}) x}{2 (6 x + 1)^2}$$

Sequence: A141223
Score: 3.78902
Type of gen. func.: ogf

$$\{(36 n + 90) a(n + 1) + (-17 n - 47) a(n + 2) + (2 n + 6) a(n + 3), a(0) = 1, a(1) = 5, a(2) = 24\}$$

Sequence: A141223
Score: 6.24785
Type of gen. func.: ogf

$$-36 f(x)^2 x^2 + 17 f(x)^2 x - 2 f(x)^2 - 12 f(x) x + 3 f(x) - 1$$

Sequence: A141259
Score: 6.53586
Type of gen. func.: ogf

```
                                       5    3
                             (x + 1) (x  + x  + 1)
                           --------------------------
                             2        4             2
                           (x  + 1) (x  + 1) (x - 1)
```

Sequence: A141259
Score: 7.01950
Type of gen. func.: lgdogf

```
      12      11      10      9      8       7    6      5      4      3      2
- (2 x   + 3 x   + 3 x   + 6 x  - 2 x  + 13 x  + x  + 5 x  + 7 x  + 2 x  + 6 x

                /                    2        5    3        4
     - x + 3)  /  ((x - 1) (x + 1) (x  + 1) (x  + x  + 1) (x  + 1))
              /
```

Sequence: A141260
Score: 8.92531
Type of gen. func.: ogf

```
                       11    10    8    6    4    3    2
                      x   + x   + x  + x  + x  + x  + x  + 1
       - -----------------------------------------------------------------
                           2             2             2        4    2
         (x - 1) (x + 1) (x  + x + 1) (x  - x + 1) (x  + 1) (x  - x  + 1)
```

Sequence: A141291
Score: 10.9838
Type of gen. func.: ogf

```
                                    (x + 1) x
                              - ------------------
                                                 2
                                (4 x - 1) (x - 1)
```

Sequence: A141291
Score: 16.6633
Type of gen. func.: lgdogf

```
                                    2
                                 8 x  + 11 x - 7
```

$$- \frac{}{(x - 1) (4 x - 1) (x + 1)}$$

Sequence: A141291
Score: 5.64032
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 9 a(n + 1) - 4 a(n), a(0) = 0, a(1) = 1, a(2) = 7\}$$

Sequence: A141291
Score: 5.85118
Type of gen. func.: ogf

$$(7 f(x) + 1) (4 f(x) x^3 - 9 f(x) x^2 + 6 f(x) x + x^2 - f(x) + x)$$

Sequence: A141310
Score: 10.8089
Type of gen. func.: ogf

$$(4 f(x) + 27) (f(x) x^4 - 2 f(x) x^2 + 2 x^3 - x^2 + f(x) - 2 x - 1)$$

Sequence: A141317
Score: 14.1184
Type of gen. func.: ogf

$$\frac{8 x^2}{(x - 1) (3 x - 1) (x + 1)}$$

Sequence: A141317
Score: 17.4670
Type of gen. func.: lgdogf

$$- \frac{9 x^2 - 2 x - 3}{(x - 1) (3 x - 1) (x + 1)}$$

Sequence: A141317

Score: 5.77573
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - a(n + 1) + 3 a(n), a(0) = 0, a(1) = 0, a(2) = 8\}$$

Sequence: A141317
Score: 7.84357
Type of gen. func.: ogf

$$-3 f(x) x^3 + f(x) x^2 + 3 f(x) x + 8 x^2 - f(x)$$

Sequence: A141318
Score: 18.5070
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{4}{1 + (1 - 8 x)^{1/2}}$$

Sequence: A141325
Score: 9.22674
Type of gen. func.: ogf

$$- \frac{x^4 - x^2 + 1}{(x + 1) (x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A141325
Score: 9.64095
Type of gen. func.: lgdogf

$$- \frac{x^8 - 2 x^6 - 4 x^5 + 3 x^4 + 8 x^3 - 2 x^2 + 1}{(x + 1) (x^2 - x + 1) (x^2 + x - 1) (x^4 - x^2 + 1)}$$

Sequence: A141326
Score: 4.14793
Type of gen. func.: ogf

$$-\frac{6 (x^3 + 18 x^2 + 15 x + 2)}{(x - 1)^5}$$

Sequence: A141326
Score: 7.45876
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 57 x^2 + 96 x + 25}{(x - 1) (x^3 + 18 x^2 + 15 x + 2)}$$

Sequence: A141340
Score: 5.89160
Type of gen. func.: ogf_with_Euler_transform]

$$4 x^{12} + x^7 + 2$$

Sequence: A141342
Score: 5.04776
Type of gen. func.: ogf

$$f(x)^2 x^2 + 4 f(x)^2 x - 4 f(x) x^2 - f(x)^2 - 4 f(x) x + 2 f(x) - 1$$

Sequence: A141342
Score: 6.53737
Type of gen. func.: lgdogf

$$\frac{-2 - 17 x - 4 x^3 - 16 x^2 + ((4 x^2 + 8 x + 1) (2 x^2 + 12 x + 1)^2)^{1/2}}{(4 x^2 + 8 x + 1) (x^2 + 4 x - 1)}$$

Sequence: A141344
Score: 6.87267
Type of gen. func.: ogf

$$-f(x)^2 x^2 + 8 f(x)^2 x - 3 f(x)^2 - 12 f(x) x + 6 f(x) + 4 x - 3$$

Sequence: A141344
Score: 7.84047
Type of gen. func.: lgdogf

$$-\frac{6 + 21 x + 8 x^3 - 10 x^2 + 3 ((4 x + 1) (4 x^2 - 6 x - 1)^2)^{1/2}}{(4 x + 1) (4 x - 3) (x^2 - 8 x + 3)}$$

Sequence: A141351
Score: 5.19637
Type of gen. func.: ogf

$$-f(x)^2 x^3 + 2 f(x)^2 x^2 - 2 f(x) x^3 - f(x)^2 x + 3 f(x) x^2 - x^3 - 2 f(x) x + f(x) + x - 1$$

Sequence: A141352
Score: 6.18928
Type of gen. func.: ogf

$$-\frac{x^6 - 7 x^3 - 5 x^2 - 2 x + 1}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A141352
Score: 7.88102
Type of gen. func.: lgdogf

$$-\frac{x^8 + x^7 + x^6 - 22 x^5 - 32 x^4 - 24 x^3 - 21 x^2 - 11 x - 1}{(x - 1) (x^2 + x + 1) (x^6 - 7 x^3 - 5 x^2 - 2 x + 1)}$$

Sequence: A141353
Score: 4.42007
Type of gen. func.: ogf

$$-4 f(x)^2 x^3 + 4 f(x)^2 x^2 - 8 f(x) x^3 - f(x)^2 x + 8 f(x) x^2 - 4 x^3 - 4 f(x) x$$

```
     + f(x) + 2 x - 1
```

Sequence: A141354
Score: 16.6120
Type of gen. func.: lgdogf

```
                               4       2
                              x  - 14 x  - 8 x - 3
                     - -----------------------------------
                                         3    2
                       (x - 1) (x + 1) (x  - x  - 5 x + 1)
```

Sequence: A141354
Score: 5.19404
Type of gen. func.: ogf

```
                          4            3    3                2
  -(50 f(x) + 287) (f(x) x  - 2 f(x) x  + x  + 2 f(x) x - x  - f(x) - 5 x + 1)
```

Sequence: A141354
Score: 9.48477
Type of gen. func.: ogf

```
                                 3    2
                                x  - x  - 5 x + 1
                              - -----------------
                                               3
                                (x + 1) (x - 1)
```

Sequence: A141355
Score: 10.7143
Type of gen. func.: ogf

```
                                  3      2
                               4 x  - 2 x  + x + 1
                             - -------------------
                                   2        2
                               (8 x  - 1) (x  + 1)
```

Sequence: A141355
Score: 6.69645
Type of gen. func.: ogf

```
                               4            2      3      2
      (126 f(x) - 85) (8 f(x) x  + 7 f(x) x  + 4 x  - 2 x  - f(x) + x + 1)
```

Sequence: A141355
Score: 8.64685
Type of gen. func.: lgdogf

$$-\frac{32 x^6 - 32 x^5 - 4 x^4 + 32 x^3 + 19 x^2 + 10 x + 1}{(x^2 + 1) (8 x^2 - 1) (4 x^3 - 2 x^2 + x + 1)}$$

Sequence: A141364
Score: 4.51813
Type of gen. func.: ogf

$$f(x)^2 x^3 - 2 f(x)^2 x^2 - 2 f(x) x^3 + f(x)^2 x + f(x) x^2 + x^3 + 2 f(x) x + 2 x^2 - f(x) - 3 x + 1$$

Sequence: A141365
Score: 6.35914
Type of gen. func.: ogf

$$-\frac{x^6 - 2 x^4 - 7 x^3 - 5 x^2 + 1}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A141365
Score: 8.21740
Type of gen. func.: lgdogf

$$-\frac{x^8 + x^7 - 5 x^6 - 24 x^5 - 34 x^4 - 20 x^3 - 19 x^2 - 9 x + 1}{(x - 1) (x^2 + x + 1) (x^6 - 2 x^4 - 7 x^3 - 5 x^2 + 1)}$$

Sequence: A141384
Score: 3.6226
Type of gen. func.: ogf

$$(11229 f(x) - 97193) (f(x) x^4 - 10 f(x) x^3 - 4 x^4 + 16 f(x) x^2 + 50 x^3$$

$$- 8 f(x) x - 96 x^2 + f(x) + 56 x - 8)$$

Sequence: A141384
Score: 5.71624
Type of gen. func.: lgdogf

$$\frac{5 x^6 - 32 x^5 + 116 x^4 - 168 x^3 + 109 x^2 - 32 x + 4}{(x - 1) (2 x^4 - 25 x^3 + 48 x^2 - 28 x + 4) (x^3 - 9 x^2 + 7 x - 1)}$$

Sequence: A141384
Score: 6.35967
Type of gen. func.: ogf

$$\frac{2 (2 x^4 - 25 x^3 + 48 x^2 - 28 x + 4)}{(x - 1) (x^3 - 9 x^2 + 7 x - 1)}$$

Sequence: A141385
Score: 4.61589
Type of gen. func.: ogf

$$-(25807 f(x) - 12975) (f(x) x^3 - 9 f(x) x^2 + 7 f(x) x + 9 x^2 - f(x) - 14 x + 3)$$

Sequence: A141385
Score: 5.06522
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) - 9 a(n + 1) + a(n), a(0) = 3, a(1) = 7, a(2) = 31\}$$

Sequence: A141385
Score: 9.03535
Type of gen. func.: lgdogf

$$- \frac{9 x^4 - 28 x^3 + 72 x^2 - 36 x + 7}{(9 x^2 - 14 x + 3) (x^3 - 9 x^2 + 7 x - 1)}$$

Sequence: A141385
Score: 9.23177
Type of gen. func.: ogf

$$-\frac{9 x^2 - 14 x + 3}{x^3 - 9 x^2 + 7 x - 1}$$

Sequence: A141397
Score: 11.3971
Type of gen. func.: ogf

$$-\frac{x^2 + x + 1}{(x + 1) (3 x - 1) (x - 1)^2}$$

Sequence: A141397
Score: 3.93200
Type of gen. func.: ogf

$$\{(3 n + 12) a(n + 1) + (-n - 1) a(n + 2) + (-3 n - 10) a(n + 3) + (n + 3) a(n + 4), a(0) = 1, a(1) = 5, a(2) = 19, a(3) = 62\}$$

Sequence: A141397
Score: 5.82519
Type of gen. func.: ogf

$$(1426 f(x) - 2607) (3 f(x) x^4 - 4 f(x) x^3 - 2 f(x) x^2 + 4 f(x) x + x^2 - f(x) + x + 1)$$

Sequence: A141407
Score: 4.73830
Type of gen. func.: ogf

$$\frac{1}{(6 x - 1)^8}$$

Sequence: A141407
Score: 44.8592
Type of gen. func.: lgdogf

$$-\frac{48}{6x-1}$$

Sequence: A141407
Score: 5.18531
Type of gen. func.: ogf

$$\{(-n-2)\,a(n+2)+(54+6n)\,a(n+1),\ a(0)=1,\ a(1)=48\}$$

Sequence: A141413
Score: 13.6008
Type of gen. func.: ogf

$$-3 f(x) x - 2 x^2 - f(x) - x$$

Sequence: A141413
Score: 16.2546
Type of gen. func.: ogf

$$-\frac{x(2x+1)}{3x+1}$$

Sequence: A141413
Score: 20.6792
Type of gen. func.: revogf

$$-1/4-\frac{3x}{4}+\frac{(9x^2-2x+1)^{1/2}}{4}$$

Sequence: A141413
Score: 39.0608
Type of gen. func.: lgdogf

$$-\frac{1}{(2 x + 1) (3 x + 1)}$$

Sequence: A141413
Score: 8.02940
Type of gen. func.: ogf

{a(n + 3) + 3 a(n + 2), a(0) = 0, a(1) = -1, a(2) = 1}

Sequence: A141416
Score: 11.6929
Type of gen. func.: lgdogf

$$-\frac{2 x^6 + 12 x^5 - 7 x^4 - 8 x^3 + 2 x^2 + 4 x - 1}{(x^2 + 1) (2 x^2 - 1) (x^3 + 3 x^2 - x - 1)}$$

Sequence: A141416
Score: 12.0749
Type of gen. func.: ogf

$$-\frac{x^3 + 3 x^2 - x - 1}{(x^2 + 1) (2 x^2 - 1)}$$

Sequence: A141416
Score: 7.771
Type of gen. func.: ogf

$$(4 f(x) + 3) (2 f(x) x^4 + f(x) x^2 + x^3 + 3 x^2 - f(x) - x - 1)$$

Sequence: A141425
Score: 13.5794
Type of gen. func.: ogf

$$-\frac{8 x^5 + 7 x^4 + 5 x^3 + 4 x^2 + 2 x + 1}{}$$

$$(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)$$

Sequence: A141430
Score: 4.15400
Type of gen. func.: ogf

$$-\frac{6 x^8 - 5 x^7 + x^6 + 2 x^5 + 3 x^4 + x^3 + 1}{(x - 1) (x^2 + 1) (x^4 - x^2 + 1)}$$

Sequence: A141446
Score: 5.68986
Type of gen. func.: ogf

$$(9 x^{12} + 9 x^{11} + 6 x^{10} + 2 x^9 - 3 x^8 - 3 x^7 - 2 x^6 - 3 x^5 - 5 x^3 - 3 x^2 - 3 x - 1) / ((x - 1) (x + 1) (x^2 + x + 1) (x^6 + x^3 + 1))$$

Sequence: A141448
Score: 11.8742
Type of gen. func.: ogf

$$-\frac{x}{x^5 + x^4 + x^3 + x^2 + 2 x - 1}$$

Sequence: A141448
Score: 13.3345
Type of gen. func.: lgdogf

$$-\frac{5 x^4 + 4 x^3 + 3 x^2 + 2 x + 2}{x^5 + x^4 + x^3 + x^2 + 2 x - 1}$$

Sequence: A141448
Score: 4.86926
Type of gen. func.: ogf

$$-(6 f(x) + 5) (f(x) x^5 + f(x) x^4 + f(x) x^3 + f(x) x^2 + 2 f(x) x - f(x) + x)$$

Sequence: A141449
Score: 11.6565
Type of gen. func.: ogf

$$-\frac{3 x^4 + x^3 + 8 x^2 + 2 x + 1}{(x - 1) (x^2 + x + 1)}$$

Sequence: A141449
Score: 7.01546
Type of gen. func.: ogf

$$\{a(n + 5) - a(n + 2), a(0) = 1, a(1) = 2, a(2) = 8, a(3) = 2, a(4) = 5\}$$

Sequence: A141449
Score: 8.14699
Type of gen. func.: ogf

$$(34 f(x) + 89) (f(x) x^3 + 3 x^4 + x^3 + 8 x^2 - f(x) + 2 x + 1)$$

Sequence: A141449
Score: 9.99928
Type of gen. func.: lgdogf

$$\frac{3 x^6 - 8 x^4 - 16 x^3 - 6 x^2 - 16 x - 2}{(x - 1) (x^2 + x + 1) (3 x^4 + x^3 + 8 x^2 + 2 x + 1)}$$

Sequence: A141478
Score: 14.7402
Type of gen. func.: ogf

$$\frac{64}{(x - 1)^4}$$

Sequence: A141478
Score: 56.2132
Type of gen. func.: ogf_with_Euler_transform]

$$[4]$$

Sequence: A141478
Score: 6.88793
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (n + 5) a(n + 1), a(0) = 64, a(1) = 256\}$$

Sequence: A141478
Score: 6.97909
Type of gen. func.: ogf

$$(f(x) + 64) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + f(x) - 64)$$

Sequence: A141478
Score: 90.3630
Type of gen. func.: lgdogf

$$- \frac{4}{x - 1}$$

Sequence: A141480
Score: 14.4660
Type of gen. func.: ogf

$$\frac{125}{(x - 1)^4}$$

Sequence: A141480
Score: 56.2516
Type of gen. func.: ogf_with_Euler_transform]

$$[4]$$

Sequence: A141480
Score: 6.67968
Type of gen. func.: ogf

$$-(f(x) + 125) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + f(x) - 125)$$

Sequence: A141480
Score: 6.83115
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (n + 5) a(n + 1), a(0) = 125, a(1) = 500\}$$

Sequence: A141480
Score: 90.4722
Type of gen. func.: lgdogf

$$- \frac{4}{x - 1}$$

Sequence: A141495
Score: 15.4959
Type of gen. func.: ogf

$$\frac{2 x^2 - 1}{3 x - 1}$$

Sequence: A141495
Score: 19.4468
Type of gen. func.: lgdogf

$$\frac{6 x^2 - 4 x + 3}{(3 x - 1) (2 x^2 - 1)}$$

Sequence: A141495

Score: 7.56345
Type of gen. func.: ogf

{-a(n + 3) + 3 a(n + 2), a(0) = 1, a(1) = 3, a(2) = 7}

Sequence: A141495
Score: 8.94829
Type of gen. func.: ogf

$$(f(x) - 1) (3 f(x) x - 2 x^2 - f(x) + 1)$$

Sequence: A141496
Score: 14.0569
Type of gen. func.: ogf

$$\frac{14 x^2 - 1}{5 x - 1}$$

Sequence: A141496
Score: 17.0007
Type of gen. func.: lgdogf

$$\frac{70 x^2 - 28 x + 5}{(5 x - 1) (14 x^2 - 1)}$$

Sequence: A141496
Score: 6.94575
Type of gen. func.: ogf

{-a(n + 3) + 5 a(n + 2), a(0) = 1, a(1) = 5, a(2) = 11}

Sequence: A141496
Score: 7.66739
Type of gen. func.: ogf

$$-(3 f(x) - 28) (5 f(x) x - 14 x^2 - f(x) + 1)$$

Sequence: A141499
Score: 13.3754
Type of gen. func.: ogf

$$-\frac{x (7 x^2 - 4 x - 1)}{(4 x - 1) (2 x - 1)}$$

Sequence: A141499
Score: 16.0132
Type of gen. func.: lgdogf

$$-\frac{10 (x^2 - 3 x + 1)}{(2 x - 1) (4 x - 1) (7 x^2 - 4 x - 1)}$$

Sequence: A141499
Score: 6.62952
Type of gen. func.: ogf

{-a(n + 4) + 6 a(n + 3) - 8 a(n + 2), a(0) = 0, a(1) = 1, a(2) = 10, a(3) = 45}

Sequence: A141499
Score: 7.62395
Type of gen. func.: ogf

$$(37 f(x) + 132) (8 f(x) x^2 + 7 x^3 - 6 f(x) x - 4 x^2 + f(x) - x)$$

Sequence: A141516
Score: 4.09581
Type of gen. func.: ogf

-(6 f(x) + 1)

$$(6 f(x) x^4 + 3 f(x) x^3 - 27 x^4 - f(x) x^2 - 9 x^3 + f(x) x - f(x) + x + 1)$$

Sequence: A141516
Score: 7.45647

Type of gen. func.: ogf

$$\frac{27 x^4 + 9 x^3 - x - 1}{(x + 1) (2 x - 1) (3 x^2 + 1)}$$

Sequence: A141518
Score: 15.2507
Type of gen. func.: ogf

$$-\frac{9 x^4 + 7 x^3 + 5 x^2 + 3 x + 1}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A141518
Score: 9.17620
Type of gen. func.: lgdogf

$$-\frac{9 x^8 + 14 x^7 + 15 x^6 + 12 x^5 + 5 x^4 + 36 x^3 + 21 x^2 + 10 x + 3}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (9 x^4 + 7 x^3 + 5 x^2 + 3 x + 1)}$$

Sequence: A141519
Score: 5.59909
Type of gen. func.: ogf

$$-\frac{5 x^8 - 4 x^7 + 5 x^6 - 2 x^5 + x^4 - 4 x^3 + 3 x^2 + 1}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A141523
Score: 11.3884
Type of gen. func.: ogf

$$\frac{3 x^2 + 2 x - 3}{x^3 + x^2 + x - 1}$$

Sequence: A141523
Score: 13.0882
Type of gen. func.: lgdogf

$$-\frac{3x^4+4x^3-10x^2-1}{(3x^2+2x-3)(x^3+x^2+x-1)}$$

Sequence: A141523
Score: 5.93755
Type of gen. func.: ogf

$$-(31f(x)-89)(f(x)x^3+f(x)x^2+f(x)x-3x^2-f(x)-2x+3)$$

Sequence: A141523
Score: 6.20262
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+2)+a(n+1)+a(n),\ a(0)=3,\ a(1)=1,\ a(2)=1\}$$

Sequence: A141527
Score: 14.9848
Type of gen. func.: ogf

$$\frac{x+2}{41x^2+x+1}$$

Sequence: A141527
Score: 19.7483
Type of gen. func.: lgdogf

$$-\frac{41x^2+164x+1}{(x+2)(41x^2+x+1)}$$

Sequence: A141527
Score: 7.0337

Type of gen. func.: ogf

$$-(13040 f(x) - 26079) (41 f(x) x^2 + f(x) x + f(x) - x - 2)$$

Sequence: A141527
Score: 8.30484
Type of gen. func.: ogf

$$\{-a(n + 2) - a(n + 1) - 41 a(n), a(0) = 2, a(1) = -1\}$$

Sequence: A141528
Score: 20.0118
Type of gen. func.: ogf

$$- \frac{x}{41 x^2 + x + 1}$$

Sequence: A141528
Score: 31.9250
Type of gen. func.: lgdogf

$$- \frac{1 + 82 x}{41 x^2 + x + 1}$$

Sequence: A141528
Score: 7.91165
Type of gen. func.: ogf

$$-(f(x) + 1) (41 f(x) x^2 + f(x) x + f(x) + x)$$

Sequence: A141528
Score: 8.29757
Type of gen. func.: ogf

$$\{-a(n + 2) - a(n + 1) - 41 a(n), a(0) = 0, a(1) = -1\}$$

Sequence: A141529
Score: 7.72243
Type of gen. func.: ogf

$$-(2x^{10}+3x^9+5x^8+7x^7+11x^6+13x^5+17x^4+19x^3+23x^2+29x+31) \Big/ ((x-1)(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1))$$

Sequence: A141530
Score: 10.5937
Type of gen. func.: ogf

$$\frac{9x^3+19x^2-5x+1}{(x-1)^4}$$

Sequence: A141530
Score: 16.3048
Type of gen. func.: lgdogf

$$-\frac{9x^3+65x^2+23x-1}{(x-1)(9x^3+19x^2-5x+1)}$$

Sequence: A141530
Score: 4.44252
Type of gen. func.: ogf

$$\{(44n^2+193n+210)\,a(n+1)+(-28n^2+46n+225)\,a(n+2)$$
$$+(-16n^2-59n-33)\,a(n+3),\ a(0)=1,\ a(1)=-1,\ a(2)=9\}$$

Sequence: A141530
Score: 5.81908
Type of gen. func.: ogf

$$(116\,f(x)+727)\,($$
$$f(x)\,x^4-4\,f(x)\,x^3+6\,f(x)\,x^2-9\,x^3-4\,f(x)\,x-19\,x^2+f(x)+5\,x-1)$$

Sequence: A141531
Score: 13.7062
Type of gen. func.: ogf

$$2 f(x) x - 3 x^{2} + f(x) - 3 x - 1$$

Sequence: A141531
Score: 16.1429
Type of gen. func.: ogf

$$\frac{3 x^{2} + 3 x + 1}{2 x + 1}$$

Sequence: A141531
Score: 21.9642
Type of gen. func.: lgdogf

$$\frac{6 x^{2} + 6 x + 1}{(2 x + 1) (3 x^{2} + 3 x + 1)}$$

Sequence: A141531
Score: 8.64798
Type of gen. func.: ogf

$$\{-a(n + 3) - 2 a(n + 2), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A141532
Score: 5.59967
Type of gen. func.: lgdogf

$$(153 x^{8} + 612 x^{7} + 1074 x^{6} + 1080 x^{5} + 691 x^{4} + 296 x^{3} + 84 x^{2} + 14 x + 1) \Big/ ((2 x + 1) (x^{2} + x + 1) (3 x^{2} + 3 x + 1) (27 x^{5} + 42 x^{4} + 39 x^{3} + 22 x^{2} + 7 x + 1))$$

Sequence: A141532
Score: 6.53977
Type of gen. func.: ogf

$$\frac{27 x^5 + 42 x^4 + 39 x^3 + 22 x^2 + 7 x + 1}{(2 x + 1) (x^2 + x + 1) (3 x^2 + 3 x + 1)}$$

Sequence: A141533
Score: 10.0366
Type of gen. func.: lgdogf

$$- \frac{126 x^6 - 15 x^4 - 30 x^3 + 74 x^2 - 2 x - 1}{(2 x - 1) (x + 1) (3 x^2 + 1) (21 x^3 - 2 x + 1)}$$

Sequence: A141533
Score: 11.2340
Type of gen. func.: ogf

$$- \frac{21 x^3 - 2 x + 1}{(x + 1) (2 x - 1) (3 x^2 + 1)}$$

Sequence: A141533
Score: 5.6574
Type of gen. func.: ogf

$(25536 f(x) + 146483)$

$$(6 f(x) x^4 + 3 f(x) x^3 - f(x) x^2 + 21 x^3 + f(x) x - f(x) - 2 x + 1)$$

Sequence: A141534
Score: 14.7555
Type of gen. func.: lgdogf

$$5 x^4 - 2 x^3 - 6 x^2 + 2 x - 4$$

$$- \frac{}{(x-1)\,(x^5 - x^3 - x^2 + x - 1)}$$

Sequence: A141534
Score: 8.07671
Type of gen. func.: ogf

$$\frac{x^5 - x^3 - x^2 + x - 1}{(x-1)^5}$$

Sequence: A141571
Score: 14.5657
Type of gen. func.: ogf

$$-f(x)\,x^3 + x^4 + f(x) - 2\,x - 1$$

Sequence: A141571
Score: 15.7547
Type of gen. func.: ogf

$$\frac{x^4 - 2\,x - 1}{(x-1)\,(x^2 + x + 1)}$$

Sequence: A141571
Score: 22.0790
Type of gen. func.: lgdogf

$$\frac{x^6 + 3\,x^2 + 2}{(x-1)\,(x^2 + x + 1)\,(x^4 - 2\,x - 1)}$$

Sequence: A141571
Score: 7.21477
Type of gen. func.: ogf

$\{-a(n + 5) + a(n + 2), a(0) = 1, a(1) = 2, a(2) = 0, a(3) = 1, a(4) = 1\}$

Sequence: A141576
Score: 11.6136
Type of gen. func.: ogf

$$\frac{x^2 - x + 1}{x^3 - 2 x^2 + x - 1}$$

Sequence: A141576
Score: 16.8751
Type of gen. func.: lgdogf

$$- \frac{x (x^3 - 2 x^2 + 4 x - 2)}{(x^2 - x + 1) (x^3 - 2 x^2 + x - 1)}$$

Sequence: A141576
Score: 6.16024
Type of gen. func.: ogf

$$-(5 f(x) + 4) (f(x) x^3 - 2 f(x) x^2 + f(x) x - x^2 - f(x) + x - 1)$$

Sequence: A141576
Score: 6.38223
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) + 2 a(n + 1) - a(n), a(0) = -1, a(1) = 0, a(2) = 1\}$$

Sequence: A141577
Score: 11.1645
Type of gen. func.: ogf

$$\frac{x^3 - 2 x^2 + x - 1}{x^4 - 3 x^3 + 3 x^2 - x + 1}$$

Sequence: A141577
Score: 13.2420
Type of gen. func.: lgdogf

$$-\frac{x (x - 1) (x^4 - 3 x^3 + 3 x^2 - 5 x + 2)}{(x^3 - 2 x^2 + x - 1) (x^4 - 3 x^3 + 3 x^2 - x + 1)}$$

Sequence: A141577
Score: 6.01164
Type of gen. func.: ogf

$-(19 f(x) + 27)$

$$(f(x) x^4 - 3 f(x) x^3 + 3 f(x) x^2 - x^3 - f(x) x + 2 x^2 + f(x) - x + 1)$$

Sequence: A141582
Score: 7.40676
Type of gen. func.: ogf

$$-\frac{x^2 (3 x^3 - x^2 + 2 x + 2)}{(x + 1)^2 (x - 1)^5}$$

Sequence: A141583
Score: 5.79218
Type of gen. func.: lgdogf

$$-\frac{x^9 + x^8 + 4 x^7 + 24 x^6 - 2 x^5 + 18 x^4 - 32 x^3 + 20 x^2 - 3 x + 1}{(x + 1) (x^3 + x^2 + 3 x - 1) (x^3 - x^2 + 3 x - 1) (x^3 - x^2 - x - 1)}$$

Sequence: A141583
Score: 6.32265
Type of gen. func.: ogf

$$-\frac{(x^3 - x^2 + 3 x - 1) (x + 1)^2}{(x^3 + x^2 + 3 x - 1) (x^3 - x^2 - x - 1)}$$

Sequence: A141631
Score: 13.3809
Type of gen. func.: ogf

$$-\frac{3 x^2 + x + 2}{(x - 1)^3}$$

Sequence: A141631
Score: 25.0260
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 8 x + 7}{(x - 1) (3 x^2 + x + 2)}$$

Sequence: A141631
Score: 6.85909
Type of gen. func.: ogf

$$(10044 f(x) - 15743) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) + x + 2)$$

Sequence: A141631
Score: 7.22329
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2, a(1) = 7, a(2) = 18}

Sequence: A141682
Score: 37.3339
Type of gen. func.: lgdogf

$$\frac{x^2 + 1}{(x^2 + x - 1) (x^2 + 2 x - 1)}$$

Sequence: A141683
Score: 10.0906
Type of gen. func.: ogf

$$\frac{x^3 + x^2 - 1}{x^3 + 2 x^2 + x - 1}$$

Sequence: A141683
Score: 13.1052
Type of gen. func.: lgdogf

$$\frac{x^4 + 2 x^3 + x^2 + 2 x + 1}{(x^3 + x^2 - 1) (x^3 + 2 x^2 + x - 1)}$$

Sequence: A141683
Score: 4.96888
Type of gen. func.: ogf

$\{a(n + 4) - a(n + 3) - 2 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 1, a(2) = 2,$

$a(3) = 4\}$

Sequence: A141683
Score: 7.0526
Type of gen. func.: ogf

$$-f(x) x^3 - 2 f(x) x^2 + x^3 - f(x) x + x^2 + f(x) - 1$$

Sequence: A141685
Score: 12.0491
Type of gen. func.: ogf

$$\frac{(x - 1) (x^2 + x + 1)}{x^3 + 2 x^2 + x - 1}$$

```
Sequence:  A141685
Score: 13.1973
Type of gen. func.: lgdogf


                         4       3
                      2 x  + 2 x  + 4 x + 1
              ----------------------------------------
                        2              3      2
              (x - 1) (x  + x + 1) (x  + 2 x  + x - 1)



------------------------------------------------------------------------------

Sequence:  A141685
Score: 5.20302
Type of gen. func.: ogf


{-a(n + 4) + a(n + 3) + 2 a(n + 2) + a(n + 1), a(0) = 1, a(1) = 1, a(2) = 3,

    a(3) = 5}



------------------------------------------------------------------------------

Sequence:  A141685
Score: 8.07997
Type of gen. func.: ogf


                  3            2    3
            f(x) x  + 2 f(x) x  - x  + f(x) x - f(x) + 1



------------------------------------------------------------------------------

Sequence:  A141694
Score: 17.4841
Type of gen. func.: ogf


                                   2 (5 x + 6)
                                   -----------
                                          2
                                    (x - 1)



------------------------------------------------------------------------------

Sequence:  A141694
Score: 26.0008
Type of gen. func.: revogf


                                                    1/2
                               -6 - x + (36 + 22 x)
                             - ----------------------
                                        -10 + x



------------------------------------------------------------------------------

Sequence:  A141694
Score: 35.0446
```

Type of gen. func.: lgdogf

$$-\frac{17 + 5 x}{(5 x + 6) (x - 1)}$$

Sequence: A141694
Score: 9.13057
Type of gen. func.: ogf

$$(11 f(x) + 157) (f(x) x^{2} - 2 f(x) x + f(x) - 10 x - 12)$$

Sequence: A141694
Score: 9.78276
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 12, a(1) = 34\}$$

Sequence: A141721
Score: 7.59057
Type of gen. func.: ogf

$$-\frac{3 x^{9} + 3 x^{7} + 2 x^{6} + 7 x^{5} + 8 x^{4} + 5 x^{3} + 8 x^{2} + 7 x + 2}{(x - 1) (x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A141722
Score: 14.3243
Type of gen. func.: revogf

$$-\frac{-1 - 5 x + (9 x^{2} + 90 x + 1)^{1/2}}{8 (-5 + x)}$$

Sequence: A141722
Score: 14.6824
Type of gen. func.: lgdogf

$$-\frac{80 x^{2} + 8 x - 25}{}$$

$$(x - 1) (4 x - 1) (20 x + 1)$$

Sequence: A141722
Score: 15.6139
Type of gen. func.: ogf

$$\frac{20 x + 1}{(4 x - 1) (x - 1)}$$

Sequence: A141722
Score: 7.98045
Type of gen. func.: ogf

$$(117 f(x) + 508) (4 f(x) x^2 - 5 f(x) x + f(x) - 20 x - 1)$$

Sequence: A141722
Score: 8.65348
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 25\}$$

Sequence: A141725
Score: 14.2839
Type of gen. func.: ogf

$$\frac{8 x + 1}{(4 x - 1) (x - 1)}$$

Sequence: A141725
Score: 15.3715
Type of gen. func.: revogf

$$-\frac{-1 - 5 x + (9 x^2 + 42 x + 1)^{1/2}}{8 (-2 + x)}$$

Sequence: A141725
Score: 16.1598

Type of gen. func.: lgdogf

$$-\frac{32 x^{2} + 8 x - 13}{(x - 1) (8 x + 1) (4 x - 1)}$$

Sequence: A141725
Score: 7.30428
Type of gen. func.: ogf

$$(57 f(x) + 112) (4 f(x) x^{2} - 5 f(x) x + f(x) - 8 x - 1)$$

Sequence: A141725
Score: 7.74428
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 13\}$$

Sequence: A141726
Score: 10.5629
Type of gen. func.: ogf

$$-\frac{x^{7} + 2 x^{6} + 3 x^{5} + 4 x^{4} + 5 x^{3} + 6 x^{2} + 7 x + 8}{(x - 1) (x^{2} + x + 1) (x^{6} + x^{3} + 1)}$$

Sequence: A141752
Score: 10.9963
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^{4} - 9 x^{3} + 8 x^{2} - 4 x + 1)}{(x - 1) (x^{2} - 3 x + 1) (3 x^{2} - 3 x + 1)}$$

Sequence: A141752
Score: 3.41677
Type of gen. func.: ogf

$$\{(n + 2) a(n + 1) + (-4 n - 7) a(n + 2) + (4 n + 5) a(n + 3)$$

$+ (-n - 1) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 14\}$

Sequence: A141752
Score: 5.13821
Type of gen. func.: ogf

$$(43 f(x) + 15)$$

$$(f(x) x^4 - 5 f(x) x^3 + 8 f(x) x^2 - 5 f(x) x - 3 x^2 + f(x) + 3 x - 1)$$

Sequence: A141752
Score: 9.75513
Type of gen. func.: ogf

$$\frac{3 x^2 - 3 x + 1}{(x^2 - 3 x + 1) (x - 1)^2}$$

Sequence: A141759
Score: 12.2377
Type of gen. func.: ogf

$$\frac{x^2 - 18 x - 15}{(x - 1)^3}$$

Sequence: A141759
Score: 21.6063
Type of gen. func.: lgdogf

$$- \frac{x^2 - 34 x - 63}{(x - 1) (x^2 - 18 x - 15)}$$

Sequence: A141759
Score: 6.47879
Type of gen. func.: ogf

$$(948 f(x) - 21755) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 18 x + 15)$$

Sequence: A141759
Score: 6.64634
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 15, a(1) = 63, a(2) = 143\}$$

Sequence: A141771
Score: 5.83762
Type of gen. func.: ogf

$$4 f(x)^2 x^2 - 4 f(x) x^3 + x^4 - f(x)^2 x + 5 f(x) x^2 - 5 f(x) x - 4 x^2 + f(x) + 5 x - 1$$

Sequence: A141775
Score: 14.7204
Type of gen. func.: ogf

$$\frac{(x - 1) (x + 1)}{(2 x - 1) (x^2 - x + 1)}$$

Sequence: A141775
Score: 16.1734
Type of gen. func.: lgdogf

$$- \frac{2 x^4 - 9 x^2 + 8 x - 3}{(x - 1) (2 x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A141775
Score: 7.49163
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 3, a(2) = 5\}$$

Sequence: A141775
Score: 7.69782
Type of gen. func.: ogf

$$(39 f(x) - 83) (2 f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 1)$$

Sequence: A141782
Score: 5.63734
Type of gen. func.: ogf

$$- \frac{16 x^7 - 23 x^6 - 9 x^5 + 18 x^4 - 17 x^3 + 24 x^2 + 8 x - 18}{(x^2 + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A141783
Score: 7.25825
Type of gen. func.: lgdogf

$$- \frac{13 x^7 + 7 x^6 + 231 x^5 + 105 x^4 + 315 x^3 + 105 x^2 + 49 x + 7}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 14 x^2 + 1)}$$

Sequence: A141827
Score: 3.10001
Type of gen. func.: ogf

$$\{(n^2 + 4 n + 4) a(n + 1) + (-n^2 - 7 n - 14) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 4, a(2) = 31\}$$

Sequence: A141828
Score: 3.16378
Type of gen. func.: ogf

$$\{(n^3 + 6 n^2 + 12 n + 8) a(n + 1) + (-n^3 - 10 n^2 - 34 n - 41) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 5, a(2) = 79\}$$

Sequence: A141834
Score: 7.01947
Type of gen. func.: lgdegf]

$$\frac{2 x^6 - 3 x^5 - 15 x^4 + 49 x^3 - 51 x^2 + 42}{(x - 1) (2 x^5 - 3 x^4 - 8 x^3 + 21 x^2 - 12 x - 6)}$$

Sequence: A141845
Score: 6.02906
Type of gen. func.: lgdogf

$$- \frac{10 x^8 + 19 x^7 + 27 x^6 + 35 x^5 + 53 x^4 + 13 x^3 + 9 x^2 + x - 7}{(x - 1) (5 x - 1) (x + 1) (x^2 + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A141845
Score: 6.68063
Type of gen. func.: ogf

$$- \frac{x^4 + x^3 + x^2 + x + 1}{(5 x - 1) (x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A142069
Score: 10.5629
Type of gen. func.: ogf

$$- \frac{8 x^8 + 4 x^7 + 5 x^5 + x^4 + 6 x^3 + 2 x^2 + 7 x + 3}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A142150
Score: 11.9396
Type of gen. func.: ogf

$$-f(x) x^4 + 2 f(x) x^2 + x^2 - f(x)$$

Sequence: A142150
Score: 20.3295
Type of gen. func.: ogf

$$\frac{x^2}{(x-1)^2 (x+1)^2}$$

Sequence: A142150
Score: 44.1337
Type of gen. func.: ogf_with_Euler_transform]

$$[2 x]$$

Sequence: A142150
Score: 58.4853
Type of gen. func.: lgdogf

$$-\frac{4 x}{(x-1) (x+1)}$$

Sequence: A142150
Score: 6.59818
Type of gen. func.: ogf

$$\{(n + 1) a(n + 3) + (-3 - n) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A142155
Score: 10.6619
Type of gen. func.: ogf

$$\frac{1}{x^{10} + x^9 - x^7 - x^6 - x^5 - x^4 - x^2 + x + 1}$$

Sequence: A142155
Score: 9.96159
Type of gen. func.: lgdogf

8 7 6 5 4 3 2

```
            (x + 1) (10 x  - x  + x  - 8 x  + 2 x  - 7 x  + 3 x  - 3 x + 1)
          - ---------------------------------------------------------------
                         10    9    7    6    5    4    2
                        x   + x  - x  - x  - x  - x  - x  + x + 1
```

Sequence: A142238
Score: 10.4607
Type of gen. func.: lgdogf

```
                         6      5      4      3       2
                        x  - 2 x  - 5 x  - 4 x  + 47 x  + 22 x + 5
                      - ------------------------------------------
                             3    2                4       2
                           (x  - x  - 5 x - 1) (x  - 10 x  + 1)
```

Sequence: A142238
Score: 11.1359
Type of gen. func.: ogf

```
                                     3    2
                                    x  - x  - 5 x - 1
                                  - -----------------
                                      4       2
                                     x  - 10 x  + 1
```

Sequence: A142238
Score: 6.86889
Type of gen. func.: ogf

```
                                  4             2    3    2
      (2643 f(x) + 485) (f(x) x  - 10 f(x) x  + x  - x  + f(x) - 5 x - 1)
```

Sequence: A142239
Score: 12.4402
Type of gen. func.: lgdogf

```
                            5      4      3       2
                       2 (x  - 6 x  - 2 x  + 20 x  + 9 x + 2)
                     - -------------------------------------
                              2                4       2
                            (x  - 4 x - 1) (x  - 10 x  + 1)
```

Sequence: A142239
Score: 13.0990
Type of gen. func.: ogf

$$-\frac{x^2 - 4x - 1}{x^4 - 10x^2 + 1}$$

Sequence: A142239
Score: 7.67417
Type of gen. func.: ogf

$$(1762 f(x) + 259) (f(x) x^4 - 10 f(x) x^2 + x^2 + f(x) - 4 x - 1)$$

Sequence: A142241
Score: 17.2295
Type of gen. func.: ogf

$$\frac{2 (5 x + 7)}{(x - 1)^2}$$

Sequence: A142241
Score: 25.6174
Type of gen. func.: revogf

$$-\frac{-7 - x + (49 + 24 x)^{1/2}}{-10 + x}$$

Sequence: A142241
Score: 34.5278
Type of gen. func.: lgdogf

$$-\frac{19 + 5 x}{(5 x + 7) (x - 1)}$$

Sequence: A142241
Score: 8.99765
Type of gen. func.: ogf

$$(12 f(x) + 193) (f(x) x^2 - 2 f(x) x + f(x) - 10 x - 14)$$

Sequence: A142241
Score: 9.64033
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 14, a(1) = 38\}$$

Sequence: A142245
Score: 16.4420
Type of gen. func.: ogf

$$\frac{2 x (5 x + 6)}{(x - 1) (x^2 + x - 1)}$$

Sequence: A142245
Score: 18.8135
Type of gen. func.: lgdogf

$$- \frac{10 x^3 + 18 x^2 - 17}{(5 x + 6) (x - 1) (x^2 + x - 1)}$$

Sequence: A142245
Score: 8.73483
Type of gen. func.: ogf

$$(9318 f(x) + 595) (f(x) x^3 - 2 f(x) x - 10 x^2 + f(x) - 12 x)$$

Sequence: A142245
Score: 8.82678
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 0, a(1) = 12, a(2) = 34\}$$

Sequence: A142463
Score: 14.6316
Type of gen. func.: ogf

$$\frac{x^2 - 6 x + 1}{(x - 1)^3}$$

Sequence: A142463
Score: 27.5228
Type of gen. func.: lgdogf

$$-\frac{x^2 - 10 x - 3}{(x - 1) (x^2 - 6 x + 1)}$$

Sequence: A142463
Score: 7.89845
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = -1, a(1) = 3, a(2) = 11}

Sequence: A142463
Score: 7.96897
Type of gen. func.: ogf

$$(3 f(x) - 10) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 6 x - 1)$$

Sequence: A142464
Score: 10.9955
Type of gen. func.: ogf

{-a(n + 3) + a(n + 2), a(0) = 3, a(1) = 6, a(2) = 1}

Sequence: A142464
Score: 11.6914
Type of gen. func.: ogf

$$-(f(x) - 3) (f(x) x - 5 x^2 - f(x) + 3 x + 3)$$

Sequence: A142464
Score: 20.5249
Type of gen. func.: ogf

$$\frac{5 x^2 - 3 x - 3}{x - 1}$$

Sequence: A142464
Score: 26.6247
Type of gen. func.: lgdogf

$$\frac{5 x^2 - 10 x + 6}{(x - 1) (5 x^2 - 3 x - 3)}$$

Sequence: A142474
Score: 13.2306
Type of gen. func.: ogf

$$\frac{x^2 + x - 1}{x^3 + 2 x^2 + x - 1}$$

Sequence: A142474
Score: 7.27085
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 2 a(n + 1) - a(n), a(0) = 1, a(1) = 0, a(2) = 1\}$$

Sequence: A142474
Score: 9.06814
Type of gen. func.: ogf

$$f(x) x^3 + 2 f(x) x^2 + f(x) x - x^2 - f(x) - x + 1$$

Sequence: A142585
Score: 10.7324
Type of gen. func.: ogf

$$-\frac{x^{3}+2x^{2}+3x+1}{(2x+1)(x^{2}-x-1)}$$

Sequence: A142585
Score: 13.1063
Type of gen. func.: lgdogf

$$-\frac{x(5x^{3}+18x^{2}+12x+2)}{(2x+1)(x^{2}-x-1)(x^{3}+2x^{2}+3x+1)}$$

Sequence: A142585
Score: 5.69643
Type of gen. func.: ogf

$$\{-a(n+4)-3a(n+3)-a(n+2)+2a(n+1), a(0)=1, a(1)=0, a(2)=1, a(3)=0\}$$

Sequence: A142585
Score: 6.02062
Type of gen. func.: ogf

$$-(f(x)-1)(2f(x)x^{3}-f(x)x^{2}+x^{3}-3f(x)x+2x^{2}-f(x)+3x+1)$$

Sequence: A142586
Score: 11.3540
Type of gen. func.: lgdogf

$$-\frac{11x^{4}-22x^{3}+20x^{2}-10x+2}{(2x-1)(x^{2}-3x+1)(x^{3}+2x^{2}-3x+1)}$$

Sequence: A142586
Score: 11.3866
Type of gen. func.: ogf

$$-\frac{x^3 + 2x^2 - 3x + 1}{(2x - 1)(x^2 - 3x + 1)}$$

Sequence: A142586
Score: 5.90735
Type of gen. func.: ogf

{-a(n + 4) + 5 a(n + 3) - 7 a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 5,

a(3) = 14}

Sequence: A142586
Score: 6.28541
Type of gen. func.: ogf

$$-(19 + 20 f(x)) (2 f(x) x^3 - 7 f(x) x^2 + x^3 + 5 f(x) x + 2 x^2 - f(x) - 3 x + 1)$$

Sequence: A142588
Score: 12.0828
Type of gen. func.: ogf

$$-f(x) x^2 - 14 f(x) x + f(x) - 5 x$$

Sequence: A142588
Score: 15.9107
Type of gen. func.: revogf

$$\frac{-5 - 14 x + (40 x^2 + 28 x + 5)^{1/2} 5^{1/2}}{2 x}$$

Sequence: A142588
Score: 19.0781
Type of gen. func.: ogf

$$-\frac{5 x}{x^2 + 14 x - 1}$$

Sequence: A142588
Score: 34.0943
Type of gen. func.: lgdogf

$$-\frac{2\,(7+x)}{x^2+14\,x-1}$$

Sequence: A142588
Score: 8.84106
Type of gen. func.: ogf

$$\{-a(n+2)+14\,a(n+1)+a(n),\ a(0)=0,\ a(1)=5\}$$

Sequence: A142590
Score: 5.81997
Type of gen. func.: ogf

$$3\,x\,(x^{10}-x^9-15\,x^8-2\,x^7-58\,x^6-18\,x^5-74\,x^4-4\,x^3-39\,x^2-5\,x-7)\Big/\left((x-1)^3\,(x+1)^3\,(x^2+1)^3\right)$$

Sequence: A142600
Score: 5.71600
Type of gen. func.: ogf

$$3\,(x^{11}-7\,x^9-5\,x^8-42\,x^7-4\,x^6-74\,x^5-18\,x^4-55\,x^3-2\,x^2-15\,x-1)\Big/\left((x-1)^3\,(x+1)^3\,(x^2+1)^3\right)$$

Sequence: A142702
Score: 12.4208
Type of gen. func.: ogf

```
                 2
            8 x  - 3 x + 5
         - ----------------
                     2
```

$$(x - 1) (x + 1)$$

Sequence: A142702
Score: 13.2133
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^4 - 3 x^3 + 5 x^2 + 3 x + 1)}{(x - 1) (x^2 + 1) (8 x^2 - 3 x + 5)}$$

Sequence: A142702
Score: 6.58843
Type of gen. func.: ogf

$$(118 f(x) - 533) (f(x) x^3 - f(x) x^2 + f(x) x + 8 x^2 - f(x) - 3 x + 5)$$

Sequence: A142702
Score: 6.76491
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) + a(n + 1) - a(n), a(0) = 5, a(1) = 2, a(2) = 5\}$$

Sequence: A142704
Score: 3.93558
Type of gen. func.: ogf

$$\{(-2 n - 8) a(n + 1) + (-2 n - 8) a(n + 2) + a(n + 4), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 6\}$$

Sequence: A142705
Score: 10.6218
Type of gen. func.: ogf

$$\frac{x (x^4 - 6 x^2 - 2 x - 3)}{(x - 1)^3 (x + 1)^3}$$

Sequence: A142705
Score: 13.4328
Type of gen. func.: lgdogf

$$-\frac{2\,(x^{5}-10\,x^{3}-5\,x^{2}-15\,x-1)}{(x-1)\,(x+1)\,(x^{4}-6\,x^{2}-2\,x-3)}$$

Sequence: A142705
Score: 7.11200
Type of gen. func.: ogf

$$\{(n+5)\,a(n+1)+(-n-1)\,a(n+3),\ a(0)=0,\ a(1)=3,\ a(2)=2\}$$

Sequence: A142708
Score: 18.3072
Type of gen. func.: ogf

$$-(f(x)-1)^{3}$$

Sequence: A142710
Score: 6.80240
Type of gen. func.: ogf

$$-\frac{2\,(2\,x^{6}-7\,x^{4}-6\,x^{3}+6\,x^{2}+x-1)}{(2\,x-1)\,(2\,x+1)\,(x^{2}-3\,x+1)\,(x^{2}-x-1)}$$

Sequence: A142716
Score: 6.98731
Type of gen. func.: ogf

$$\frac{(x-1)\,(9\,x^{11}+3\,x^{10}+6\,x^{9}+3\,x^{5}+3\,x^{4}+3\,x^{3}+3\,x^{2}+2\,x+1)}{3\,x^{9}-3\,x^{6}+3\,x^{3}-1}$$

Sequence: A142717
Score: 12.0195

Type of gen. func.: ogf

$$\frac{3 x^{3} - 5 x^{2} + x - 3}{(x + 1) (x - 1)^{3}}$$

Sequence: A142717
Score: 14.0293
Type of gen. func.: lgdogf

$$- \frac{3 x^{4} - 4 x^{3} + 2 x^{2} - 20 x - 5}{(x - 1) (x + 1) (3 x^{3} - 5 x^{2} + x - 3)}$$

Sequence: A142717
Score: 6.6883
Type of gen. func.: ogf

$$(760 f(x) - 8339) (f(x) x^{4} - 2 f(x) x^{3} - 3 x^{3} + 2 f(x) x + 5 x^{2} - f(x) - x + 3)$$

Sequence: A142879
Score: 7.40421
Type of gen. func.: lgdogf

$$- \frac{2 x^{9} - 6 x^{8} - 20 x^{7} - 5 x^{6} - 6 x^{5} + 25 x^{4} + 16 x^{3} + 21 x^{2} + 10 x + 2}{(x^{6} - 5 x^{3} + 1) (x^{4} - 2 x^{3} - 5 x^{2} - 2 x - 1)}$$

Sequence: A142879
Score: 9.66039
Type of gen. func.: ogf

$$- \frac{x (x^{4} - 2 x^{3} - 5 x^{2} - 2 x - 1)}{x^{6} - 5 x^{3} + 1}$$

Sequence: A142880

Score: 7.70326
Type of gen. func.: lgdogf

$$-\frac{2x^9 - 3x^8 - 12x^7 - 3x^6 - 6x^5 + 21x^4 + 24x^3 + 24x^2 + 6x + 2}{(x + 1)(x^3 - 2x^2 - x - 1)(x^6 - 7x^3 + 1)}$$

Sequence: A142880
Score: 9.74258
Type of gen. func.: ogf

$$-\frac{x(x + 1)(x^3 - 2x^2 - x - 1)}{x^6 - 7x^3 + 1}$$

Sequence: A142881
Score: 7.50977
Type of gen. func.: lgdogf

$$-\frac{2x^9 + 6x^8 - 12x^7 - 3x^6 - 6x^5 + 21x^4 + 24x^3 + 15x^2 + 6x + 2}{(x^4 + 2x^3 - 3x^2 - 2x - 1)(x^6 - 7x^3 + 1)}$$

Sequence: A142881
Score: 9.69642
Type of gen. func.: ogf

$$-\frac{x(x^4 + 2x^3 - 3x^2 - 2x - 1)}{x^6 - 7x^3 + 1}$$

Sequence: A142883
Score: 6.02494
Type of gen. func.: ogf

$$x(x^{10} - x^9 - 15x^8 - 2x^7 - 58x^6 - 18x^5 - 74x^4 - 4x^3 - 39x^2 - 5x - 7) \Big/ \left((x - 1)^3 (x + 1)^3 (x^3 + 1)^3\right)$$

Sequence: A142887
Score: 6.72025
Type of gen. func.: ogf

$$\frac{5510 x^5 - 395 x^3 - 146 x^2 - 3 x - 1}{13340 x^4 - 52 x^2 - 1}$$

Sequence: A142888
Score: 13.3472
Type of gen. func.: lgdogf

$$-\frac{x^5 - x^4 - 14 x^3 - 2 x^2 - 25 x + 1}{(x - 1) (x + 1) (x^4 - 6 x^2 - 2 x - 3)}$$

Sequence: A142888
Score: 8.56092
Type of gen. func.: ogf

$$-\frac{x^4 - 6 x^2 - 2 x - 3}{(x - 1)^2 (x + 1)^3}$$

Sequence: A142954
Score: 11.3650
Type of gen. func.: ogf

$$-\frac{2 (3 x^2 - 4 x - 1)}{(x + 1) (x - 1)^2}$$

Sequence: A142954
Score: 15.0498
Type of gen. func.: lgdogf

$$3 x^3 - 5 x^2 - x - 5$$

$$- \frac{}{(x - 1) (x + 1) (3 x^2 - 4 x - 1)}$$

Sequence: A142954
Score: 6.0813
Type of gen. func.: ogf

$$(19 f(x) + 235) (f(x) x^3 - f(x) x^2 - f(x) x + 6 x^2 + f(x) - 8 x - 2)$$

Sequence: A142954
Score: 6.13512
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 10, a(2) = 6\}$$

Sequence: A142962
Score: 11.3047
Type of gen. func.: ogf

$$\frac{x^2 + 10 x + 4}{(x - 1)^4}$$

Sequence: A142962
Score: 22.1907
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 + 16 x + 13)}{(x - 1) (x^2 + 10 x + 4)}$$

Sequence: A142962
Score: 3.91747
Type of gen. func.: ogf

$$\{(4 n + 16) a(n + 4) + (-8 + 6 n) a(n + 3) + (-50 - 9 n) a(n + 2)$$

$$+ (-3 - n) a(n + 1), a(0) = 4, a(1) = 26, a(2) = 81, a(3) = 184\}$$

```
------------------------------------------------------------------------------

Sequence:  A142962
Score: 5.53377
Type of gen. func.: ogf


(4509750 f(x) + 40001231)

           4            3            2                2
    (f(x) x  - 4 f(x) x  + 6 f(x) x  - 4 f(x) x - x  + f(x) - 10 x - 4)



------------------------------------------------------------------------------

Sequence:  A142964
Score: 14.6477
Type of gen. func.: ogf


                                      x + 1
                              - ------------------
                                                 2
                                (2 x - 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A142964
Score: 21.7847
Type of gen. func.: lgdogf


                                    2
                                 4 x  + 5 x - 5
                          - -------------------------
                            (x - 1) (2 x - 1) (x + 1)



------------------------------------------------------------------------------

Sequence:  A142964
Score: 6.87014
Type of gen. func.: ogf


  {a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 5, a(2) = 15}



------------------------------------------------------------------------------

Sequence:  A142964
Score: 7.53713
Type of gen. func.: ogf


                              3            2
          (f(x) - 1) (2 f(x) x  - 5 f(x) x  + 4 f(x) x - f(x) + x + 1)



------------------------------------------------------------------------------

Sequence:  A142965
Score: 7.85202
Type of gen. func.: ogf
```

$$-\frac{6x^3+11x^2-8x-1}{(3x-1)(2x-1)^2(x-1)^3}$$

Sequence: A142965
Score: 9.41670
Type of gen. func.: lgdogf

$$-\frac{6(18x^5+37x^4-81x^3+32x^2+5x-3)}{(x-1)(3x-1)(2x-1)(6x^3+11x^2-8x-1)}$$

Sequence: A142966
Score: 3.83887
Type of gen. func.: ogf

$$-\frac{180x^6+444x^5-839x^4+242x^3+108x^2-38x-1}{(4x-1)(3x-1)^2(2x-1)^3(x-1)^4}$$

Sequence: A142967
Score: 24.1656
Type of gen. func.: revegf]

$$-1/3\ln(x^2+x+1)+2/3\ln(2x+1)$$

Sequence: A142970
Score: 5.63763
Type of gen. func.: ogf

$\{(4n^2+20n+25)a(n+1)-a(n+3)+6a(n+2), a(0)=0, a(1)=1,$

$a(2)=6\}$

Sequence: A142974
Score: 10.9003
Type of gen. func.: lgdogf

$$-\frac{2\,(3x^4+8x^3-13x^2+6x-1)}{(x-1)\,(2x-1)\,(3x^3+x^2-3x+1)}$$

Sequence: A142974
Score: 5.18557
Type of gen. func.: ogf

-f(x)

$$(2\,f(x)\,x^4-7\,f(x)\,x^3+9\,f(x)\,x^2-3x^3-5\,f(x)\,x-x^2+f(x)+3x-1)$$

Sequence: A142974
Score: 8.95691
Type of gen. func.: ogf

$$\frac{3x^3+x^2-3x+1}{(2x-1)\,(x-1)^3}$$

Sequence: A142975
Score: 7.38633
Type of gen. func.: ogf

$$\frac{x^4-2x^3+x^2+2x-1}{(x+1)\,(x^2-3x+1)\,(x^2+x-1)}$$

Sequence: A142975
Score: 7.40066
Type of gen. func.: lgdogf

$$-\frac{x^8-4x^7+10x^6+4x^5-23x^4+8x^2-1}{(x+1)\,(x^2-3x+1)\,(x^2+x-1)\,(x^4-2x^3+x^2+2x-1)}$$

Sequence: A142976
Score: 6.13145
Type of gen. func.: ogf

$$-\frac{40 x^3 + 36 x^2 - 21 x - 1}{(7 x - 1) (4 x - 1)^2 (x - 1)^3}$$

Sequence: A142979
Score: 4.26596
Type of gen. func.: ogf

$\{(n^2 + 6 n + 9) a(n + 1) - a(n + 3) + 3 a(n + 2), a(0) = 1, a(1) = 3, a(2) = 13\}$

Sequence: A142980
Score: 4.07383
Type of gen. func.: ogf

$\{(n^2 + 6 n + 9) a(n + 1) - a(n + 3) + 5 a(n + 2), a(0) = 1, a(1) = 5, a(2) = 29\}$

Sequence: A142981
Score: 4.23314
Type of gen. func.: ogf

$\{(-n^2 - 6 n - 9) a(n + 1) + a(n + 3) - 7 a(n + 2), a(0) = 1, a(1) = 7, a(2) = 53\}$

Sequence: A142982
Score: 3.92634
Type of gen. func.: ogf

$\{(n^2 + 6 n + 9) a(n + 1) - a(n + 3) + 9 a(n + 2), a(0) = 1, a(1) = 9, a(2) = 85\}$

Sequence: A142983
Score: 5.35170
Type of gen. func.: ogf

$\{(n^2 + 7 n + 12) a(n + 1) - a(n + 3) + 2 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 10\}$

Sequence: A142984
Score: 4.43966
Type of gen. func.: ogf

$\{(n^2 + 7 n + 12) a(n + 1) - a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 4, a(2) = 22\}$

Sequence: A142985
Score: 4.17748
Type of gen. func.: ogf

$\{(n^2 + 7 n + 12) a(n + 1) - a(n + 3) + 6 a(n + 2), a(0) = 1, a(1) = 6, a(2) = 42\}$

Sequence: A142986
Score: 4.35813
Type of gen. func.: ogf

$\{(n^2 + 7 n + 12) a(n + 1) - a(n + 3) + 8 a(n + 2), a(0) = 1, a(1) = 8, a(2) = 70\}$

Sequence: A142987
Score: 3.95784
Type of gen. func.: ogf

$\{(n^2 + 7 n + 12) a(n + 1) - a(n + 3) + 10 a(n + 2), a(0) = 1, a(1) = 10, a(2) = 106\}$

Sequence: A142988

Score: 4.34765
Type of gen. func.: ogf

$$\{(-n^2 - 8 n - 15) a(n + 1) + a(n + 3) - 3 a(n + 2), a(0) = 1, a(1) = 3, a(2) = 17\}$$

Sequence: A142989
Score: 4.13233
Type of gen. func.: ogf

$$\{(n^2 + 8 n + 15) a(n + 1) - a(n + 3) + 5 a(n + 2), a(0) = 1, a(1) = 5, a(2) = 33\}$$

Sequence: A142990
Score: 4.31298
Type of gen. func.: ogf

$$\{(n^2 + 8 n + 15) a(n + 1) - a(n + 3) + 7 a(n + 2), a(0) = 1, a(1) = 7, a(2) = 57\}$$

Sequence: A142991
Score: 3.96207
Type of gen. func.: ogf

$$\{(n^2 + 8 n + 15) a(n + 1) - a(n + 3) + 9 a(n + 2), a(0) = 1, a(1) = 9, a(2) = 89\}$$

Sequence: A142993
Score: 5.12393
Type of gen. func.: ogf

$$-\frac{x^4 + 28 x^3 + 70 x^2 + 28 x + 1}{(x - 1)^5}$$

Sequence: A142993

Score: 7.76619
Type of gen. func.: lgdogf

$$-\frac{x^4 + 60 x^3 + 294 x^2 + 252 x + 33}{(x - 1) (x^4 + 28 x^3 + 70 x^2 + 28 x + 1)}$$

Sequence: A142994
Score: 3.97786
Type of gen. func.: ogf

$$\{(-2 n^2 - 9 n - 10) a(n + 1) + (4 n^2 + 20 n + 75) a(n + 2) + (-2 n^2 - 11 n - 15) a(n + 3), a(0) = 1, a(1) = 51, a(2) = 501\}$$

Sequence: A142994
Score: 5.35681
Type of gen. func.: lgdogf

$$-\frac{x^5 + 95 x^4 + 810 x^3 + 1470 x^2 + 645 x + 51}{(x - 1) (x + 1) (x^4 + 44 x^3 + 166 x^2 + 44 x + 1)}$$

Sequence: A142994
Score: 6.13534
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + 44 x^3 + 166 x^2 + 44 x + 1)}{(x - 1)^6}$$

Sequence: A142999
Score: 4.09752
Type of gen. func.: egf]

$$\{(n^3 + 6 n^2 + 12 n + 8) a(n + 1) + (2 n + 5) a(n + 2) + (-3 - n) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 3/2\}$$

Sequence: A143008
Score: 23.9986
Type of gen. func.: lgdogf

$$-\frac{x^2 + 16 x + 13}{(x - 1) (x^2 + 4 x + 1)}$$

Sequence: A143008
Score: 3.89143
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-4 + 3 n) a(n + 3) + (-22 - 3 n) a(n + 2)$$
$$+ (-n - 2) a(n + 1), a(0) = 1, a(1) = 13, a(2) = 73, a(3) = 253\}$$

Sequence: A143008
Score: 8.14768
Type of gen. func.: ogf

$$-\frac{(x^2 + 4 x + 1)^2}{(x - 1)^5}$$

Sequence: A143009
Score: 12.8755
Type of gen. func.: lgdogf

$$-\frac{x^3 + 33 x^2 + 81 x + 25}{(x - 1) (x + 1) (x^2 + 8 x + 1)}$$

Sequence: A143009
Score: 4.38721
Type of gen. func.: ogf

$$-\frac{(x + 1)^2 (x^2 + 8 x + 1)^2}{(x - 1)^7}$$

Sequence: A143010
Score: 10.1899
Type of gen. func.: lgdogf

$$-\frac{x^4 + 56 x^3 + 276 x^2 + 256 x + 41}{(x - 1) (x^4 + 16 x^3 + 36 x^2 + 16 x + 1)}$$

Sequence: A143010
Score: 3.63710
Type of gen. func.: ogf

$$-\frac{(x^4 + 16 x^3 + 36 x^2 + 16 x + 1)^2}{(x - 1)^9}$$

Sequence: A143011
Score: 3.21915
Type of gen. func.: ogf

$$-\frac{(x + 1)^2 (x^4 + 24 x^3 + 76 x^2 + 24 x + 1)^2}{(x - 1)^{11}}$$

Sequence: A143011
Score: 3.55639
Type of gen. func.: ogf

$$\{(n^3 + 6 n^2 + 12 n + 8) a(n + 1) + (-2 n^3 - 15 n^2 - 159 n - 335) a(n + 2)$$

$$+ (n^3 + 9 n^2 + 27 n + 27) a(n + 3), a(0) = 1, a(1) = 61, a(2) = 1441\}$$

Sequence: A143011
Score: 9.41192
Type of gen. func.: lgdogf

$$x^5 + 85 x^4 + 700 x^3 + 1300 x^2 + 625 x + 61$$

$$- \frac{}{(x - 1) (x + 1) (x^4 + 24 x^3 + 76 x^2 + 24 x + 1)}$$

Sequence: A143013
Score: 10.8429
Type of gen. func.: ogf

$$-f(x)^2 x^2 - f(x) x + f(x) - x - 1$$

Sequence: A143013
Score: 12.8802
Type of gen. func.: revogf

$$- 1/2 - x/2 - \frac{x^2}{2} + \frac{(x^4 + 2 x^3 + 3 x^2 + 6 x + 1)^{1/2}}{2}$$

Sequence: A143013
Score: 3.48521
Type of gen. func.: ogf

$$\{(-4 n - 6) a(n + 1) + (-3 n - 9) a(n + 2) + (-2 n - 9) a(n + 3)$$

$$+ (n + 6) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 7\}$$

Sequence: A143017
Score: 22.9488
Type of gen. func.: revogf

$$\frac{x (2 x + 1)}{(x + 1) (x^2 + 3 x + 1)}$$

Sequence: A143017
Score: 6.66106
Type of gen. func.: ogf

$$x^3 f(x)^3 + 4 f(x)^2 x^2 - 2 f(x)^2 x + 4 f(x) x - f(x) + 1$$

Sequence: A143020
Score: 6.33834
Type of gen. func.: ogf

$$-x^4 f(x)^3 + 7 f(x)^2 x^2 + f(x)^2 x + 9 f(x) x - 2 f(x) + 2$$

Sequence: A143020
Score: 7.97512
Type of gen. func.: revogf

$$-\frac{(1 + 4 x)^{1/2} x^2 + 5 (1 + 4 x)^{1/2} x + 2 (1 + 4 x)^{1/2} - 2 - 9 x - 7 x^2}{2 x^3}$$

Sequence: A143021
Score: 4.60662
Type of gen. func.: ogf

$$-108 x^3 f(x)^3 + f(x)^3 x + 648 f(x)^2 x^2 - 6 f(x)^2 - 624 f(x) x + 60 f(x) + 1024 x - 96$$

Sequence: A143023
Score: 7.97565
Type of gen. func.: ogf

$$-4 x^4 f(x)^3 + 5 f(x)^2 x^2 + 6 f(x) x - f(x) + 1$$

Sequence: A143023
Score: 9.71196
Type of gen. func.: revogf

$$-\frac{(x^2 + 6 x + 1)^{1/2} + 3 (x^2 + 6 x + 1)^{1/2} x - 1 - 6 x - 5 x^2}{8 x^3}$$

Sequence: A143025

Score: 13.6756
Type of gen. func.: ogf

$$-\frac{8x^3+2x^2+8x+1}{(x-1)(x+1)(x^2+1)}$$

Sequence: A143025
Score: 6.17385
Type of gen. func.: lgdogf

$$-\frac{4(2x^6+x^5+6x^4+x^3+6x^2+x+2)}{(x-1)(x+1)(x^2+1)(8x^3+2x^2+8x+1)}$$

Sequence: A143025
Score: 8.66123
Type of gen. func.: ogf

$$-(f(x)+2593)(f(x)x^4+8x^3+2x^2-f(x)+8x+1)$$

Sequence: A143036
Score: 14.6568
Type of gen. func.: ogf

$$\frac{513x+511}{(x-1)^2}$$

Sequence: A143036
Score: 15.3035
Type of gen. func.: revogf

$$-\frac{-511-2x+(261121+4096x)^{1/2}}{2(-513+x)}$$

Sequence: A143036
Score: 22.7084

Type of gen. func.: lgdogf

$$-\frac{1535 + 513 x}{(513 x + 511) (x - 1)}$$

Sequence: A143036
Score: 7.32837
Type of gen. func.: ogf

$$(2048 f(x) + 1309697) (f(x) x^2 - 2 f(x) x + f(x) - 513 x - 511)$$

Sequence: A143036
Score: 8.25495
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 511, a(1) = 1535\}$$

Sequence: A143045
Score: 26.7207
Type of gen. func.: revogf

$$- 1/2 + x^2 + \frac{(-4 x^2 + 4 x + 1)^{1/2}}{2}$$

Sequence: A143055
Score: 4.94261
Type of gen. func.: ogf

$$\{-a(n + 4) + 2 a(n + 3) + a(n + 2) - 2 a(n + 1) - 2 a(n), a(0) = 0, a(1) = 1,$$
$$a(2) = 1, a(3) = 2\}$$

Sequence: A143055
Score: 5.2399
Type of gen. func.: ogf

$$(2 f(x) + 3) (2 f(x) x^4 + 2 f(x) x^3 - f(x) x^2 + x^3 - 2 f(x) x + x^2 + f(x) - x)$$

Sequence: A143055
Score: 8.41881
Type of gen. func.: lgdogf

$$-\frac{4x^5+8x^4-4x^3-5x^2+1}{(x^2+x-1)(2x^4+2x^3-x^2-2x+1)}$$

Sequence: A143055
Score: 9.54668
Type of gen. func.: ogf

$$-\frac{x(x^2+x-1)}{2x^4+2x^3-x^2-2x+1}$$

Sequence: A143056
Score: 14.5240
Type of gen. func.: ogf

$$-\frac{x(x^2+x-1)}{x^4+2x^3-2x+1}$$

Sequence: A143056
Score: 8.20923
Type of gen. func.: ogf

$$(f(x)+2)(f(x)x^4+2f(x)x^3+x^3-2f(x)x+x^2+f(x)-x)$$

Sequence: A143056
Score: 9.53886
Type of gen. func.: lgdogf

$$-\frac{2x^5+5x^4-4x^2-2x+1}{(x^2+x-1)(x^4+2x^3-2x+1)}$$

Sequence: A143059
Score: 5.89200
Type of gen. func.: ogf

$$-\frac{2x^4-9x^3+x^2+6x+1}{(x-1)^5}$$

Sequence: A143059
Score: 9.10007
Type of gen. func.: lgdogf

$$-\frac{2x^4-10x^3-24x^2+26x+11}{(x-1)(2x^4-9x^3+x^2+6x+1)}$$

Sequence: A143060
Score: 5.35319
Type of gen. func.: ogf

$$\frac{9x^5-9x^4-25x^3+15x^2+10x+1}{(x-1)^6}$$

Sequence: A143060
Score: 7.00014
Type of gen. func.: lgdegf]

$$\frac{x^5+160x^4+2420x^3+9300x^2+9600x+1920}{x^5+155x^4+1800x^3+3900x^2+1800x+120}$$

Sequence: A143066
Score: 8.00466
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^7+x^6+x^5-x^2-x+1}{}$$

$$x^{9} + x^{6} + x^{3} + 1$$

Sequence: A143068
Score: 6.12746
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^{10} + 3 x^{9} - 2 x^{8} + x^{7} - 2 x^{6} + x^{5} - 2 x^{4} + x^{3} - 2 x^{2} + 3 x - 2}{-x^{12} + 1}$$

Sequence: A143075
Score: 8.27921
Type of gen. func.: ogf

$$\frac{1}{(x + 1) (x^{2} - x + 1) (x^{2} + x - 1) (x - 1)^{3}}$$

Sequence: A143075
Score: 9.37534
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^{5} + x^{4} - 5 x^{3} + 4 x^{2} + x - 2)}{(x - 1) (x + 1) (x^{2} - x + 1) (x^{2} + x - 1)}$$

Sequence: A143079
Score: 11.6845
Type of gen. func.: ogf

$$-\frac{9 x - 1}{(12 x - 1) (6 x - 1)}$$

Sequence: A143079
Score: 12.5025
Type of gen. func.: lgdogf

$$9 (72 x^{2} - 16 x + 1)$$

$$- \frac{}{(6 x - 1) (12 x - 1) (9 x - 1)}$$

Sequence: A143079
Score: 5.90506
Type of gen. func.: ogf

$$-(28 f(x) + 53) (72 f(x) x^2 - 18 f(x) x + f(x) + 9 x - 1)$$

Sequence: A143079
Score: 6.53774
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1) + 72 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A143079
Score: 6.80517
Type of gen. func.: revegf]

$$1/12 \ln(8 x + 1) + 1/12 \ln(2 (1 + 6 x)^{1/2} - 1) - 1/12 \ln(1 + 2 (1 + 6 x)^{1/2}) + 1/12 \ln(3)$$

Sequence: A143090
Score: 13.9332
Type of gen. func.: lgdogf

$$\frac{6 x^5 + 15 x^4 + 16 x^3 + 27 x^2 + 30 x + 16}{(x + 2) (x^5 + x^4 + 2 x^3 + 5 x^2 + 5 x + 6)}$$

Sequence: A143095
Score: 10.8971
Type of gen. func.: ogf

$$-(3 f(x) + 2) (2 f(x) x^2 - f(x) + 4 x + 1)$$

Sequence: A143095
Score: 12.0890
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A143095
Score: 18.8707
Type of gen. func.: ogf

$$-\frac{1 + 4 x}{2 x^2 - 1}$$

Sequence: A143095
Score: 21.6785
Type of gen. func.: revogf

$$\frac{-1 + (8 x^2 + 16 x + 1)^{1/2}}{4 (x + 2)}$$

Sequence: A143095
Score: 23.7108
Type of gen. func.: lgdogf

$$-\frac{4 (2 x^2 + x + 1)}{(1 + 4 x) (2 x^2 - 1)}$$

Sequence: A143096
Score: 12.9300
Type of gen. func.: lgdogf

$$\frac{4 x^4 - 12 x^3 + 19 x^2 - 14 x + 4}{(x - 1) (2 x - 1) (2 x^3 - 5 x^2 + x + 1)}$$

Sequence: A143096
Score: 12.9493

Type of gen. func.: ogf

$$\frac{2 x^3 - 5 x^2 + x + 1}{(2 x - 1) (x - 1)}$$

Sequence: A143096
Score: 6.92899
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 3) + 2 a(n + 2), a(0) = 1, a(1) = 4, a(2) = 5, a(3) = 9\}$$

Sequence: A143096
Score: 7.74416
Type of gen. func.: ogf

$$(18 f(x) - 7) (2 f(x) x^2 - 2 x^3 - 3 f(x) x + 5 x^2 + f(x) - x - 1)$$

Sequence: A143097
Score: 10.6482
Type of gen. func.: ogf

$$\frac{x^4 - 2 x^3 + 2 x^2 + x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A143097
Score: 12.1681
Type of gen. func.: lgdogf

$$\frac{x^5 - 3 x^4 - 7 x^3 - x^2 - 6 x - 2}{(x - 1) (x^2 + x + 1) (x^4 - 2 x^3 + 2 x^2 + x + 1)}$$

Sequence: A143097
Score: 6.35593
Type of gen. func.: ogf

4 3 4 3 2

```
 (21 f(x) + 74) (f(x) x  - f(x) x  - x  + 2 x  - f(x) x - 2 x  + f(x) - x - 1)
```

Sequence: A143098
Score: 10.3061
Type of gen. func.: ogf

```
                             3    3    2
                       f(x) x  + x  - x  - f(x) + 2 x + 1
```

Sequence: A143098
Score: 11.0293
Type of gen. func.: ogf

```
                                 3    2
                                x  - x  + 2 x + 1
                             - --------------------
                                         2
                               (x - 1) (x  + x + 1)
```

Sequence: A143098
Score: 12.7536
Type of gen. func.: lgdogf

```
                            4      3      2
                           x  - 4 x  - 6 x  + 2 x - 2
                    ----------------------------------------
                              2             3    2
                    (x - 1) (x  + x + 1) (x  - x  + 2 x + 1)
```

Sequence: A143098
Score: 6.54865
Type of gen. func.: ogf

```
        {-a(n + 4) + a(n + 1), a(0) = 1, a(1) = 2, a(2) = -1, a(3) = 2}
```

Sequence: A143099
Score: 8.26723
Type of gen. func.: ogf

```
                             4      3      2
                          5 x  - 7 x  + 5 x  - 3 x + 1
                       - -------------------------------
                                   2                    2
                         (x - 1) (x  - x + 1) (2 x - 1)
```

Sequence: A143100
Score: 10.2585
Type of gen. func.: ogf

$$\frac{3 x^3 - 2 x^2 - x + 1}{(2 x - 1) (x - 1) (x^2 - x + 1)}$$

Sequence: A143100
Score: 5.56271
Type of gen. func.: ogf

$$-(99 f(x) - 7)$$

$$(2 f(x) x^4 - 5 f(x) x^3 + 6 f(x) x^2 - 3 x^3 - 4 f(x) x + 2 x^2 + f(x) + x - 1)$$

Sequence: A143101
Score: 8.87978
Type of gen. func.: ogf

$$- \frac{x^4 - 2 x^3 + 2 x^2 + x + 1}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A143126
Score: 12.3808
Type of gen. func.: ogf

$$- \frac{6 x - 1}{(2 x - 1)^2}$$

Sequence: A143126
Score: 17.3765
Type of gen. func.: revogf

$$- \frac{-1 - 4 x + (1 - 16 x)^{1/2}}{4 (3 + 2 x)}$$

Sequence: A143126
Score: 24.0598
Type of gen. func.: lgdogf

$$-\frac{2 (1 + 6 x)}{(6 x - 1) (2 x - 1)}$$

Sequence: A143126
Score: 6.79433
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 4 a(n), a(0) = 1, a(1) = -2\}$$

Sequence: A143126
Score: 7.75613
Type of gen. func.: ogf

$$-(8 f(x) - 7) (4 f(x) x^2 - 4 f(x) x + f(x) + 6 x - 1)$$

Sequence: A143131
Score: 14.8198
Type of gen. func.: lgdogf

$$-\frac{13 x^3 + 49 x^2 + 13 x + 5}{(x - 1) (13 x^3 + 5 x^2 + x + 1)}$$

Sequence: A143131
Score: 3.86061
Type of gen. func.: ogf

$$\{(-59 n^2 - 334 n - 432) a(n + 1) + (78 n^2 + 246 n - 135) a(n + 2)$$

$$+ (-19 n^2 - 32 n + 75) a(n + 3), a(0) = 1, a(1) = 5, a(2) = 19\}$$

Sequence: A143131

Score: 5.00548
Type of gen. func.: ogf

$$(6160 f(x) + 24617)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 13 x^3 - 4 f(x) x - 5 x^2 + f(x) - x - 1)$$

Sequence: A143131
Score: 9.30506
Type of gen. func.: ogf

$$\frac{13 x^3 + 5 x^2 + x + 1}{(x - 1)^4}$$

Sequence: A143132
Score: 11.5158
Type of gen. func.: lgdogf

$$- \frac{2 (23 x^4 + 108 x^3 + 33 x^2 + 8 x + 3)}{(x - 1) (46 x^4 + 16 x^3 + 6 x^2 + x + 1)}$$

Sequence: A143132
Score: 7.74345
Type of gen. func.: ogf

$$- \frac{46 x^4 + 16 x^3 + 6 x^2 + x + 1}{(x - 1)^5}$$

Sequence: A143134
Score: 27.2883
Type of gen. func.: revegf]

$$- 1/2 + 1/2 \cos(2 x) + x$$

Sequence: A143136
Score: 16.3124

Type of gen. func.: revegf]

$$-1/4 \exp(-2 x) - 1/4 \exp(2 x) + 1/2 + x$$

Sequence: A143138
Score: 22.5588
Type of gen. func.: revegf]

$$-1 + x - \exp(2 x) + 2 \exp(x)$$

Sequence: A143139
Score: 56.3622
Type of gen. func.: revegf]

$$-x^{2} + \ln(x + 1)$$

Sequence: A143155
Score: 38.8163
Type of gen. func.: revegf]

$$1 - x^{2} - \exp(-x)$$

Sequence: A143159
Score: 6.72320
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4 x^{5} - 4 x^{4} - 5 x^{3} - 2 x^{2} - x}{x^{6} + x^{5} + x^{4} - x^{2} - x - 1}$$

Sequence: A143160
Score: 6.60410
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4 x^{5} + 5 x^{4} + 7 x^{3} + 5 x^{2} + 3 x + 1}{-x^{6} - x^{5} - x^{4} + x^{2} + x + 1}$$

Sequence: A143161
Score: 12.4424
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^2 + x + 2}{-x^4 + 1}$$

Sequence: A143165
Score: 3.29248
Type of gen. func.: ogf

$$\{(-8 n^3 - 56 n^2 - 130 n - 100) a(n + 1) + (4 n^2 + 16 n + 13) a(n + 2) + (2 n + 10) a(n + 3) - a(n + 4), a(0) = 0, a(1) = 1, a(2) = 6, a(3) = 49\}$$

Sequence: A143166
Score: 10.8672
Type of gen. func.: ogf

$$\frac{x (x + 3) (3 x + 1)}{(x - 1)^4}$$

Sequence: A143166
Score: 20.8713
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^2 + 18 x + 11)}{(x - 1) (x + 3) (3 x + 1)}$$

Sequence: A143166
Score: 4.06149
Type of gen. func.: ogf

$$\{(9 + 3 n) a(n + 4) + (-8 + 7 n) a(n + 3) + (-43 - 7 n) a(n + 2) + (-6 - 3 n) a(n + 1), a(0) = 0, a(1) = 3, a(2) = 22, a(3) = 73\}$$

Sequence: A143166
Score: 5.78544
Type of gen. func.: ogf

$$(928 f(x) + 3877)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 3 x^3 - 4 f(x) x - 10 x^2 + f(x) - 3 x)$$

Sequence: A143167
Score: 4.12622
Type of gen. func.: ogf

$$\{(-16 n^2 - 84 n - 110) a(n + 1) + (8 n + 25) a(n + 2) - a(n + 3), a(0) = 1,$$
$$a(1) = 9, a(2) = 111\}$$

Sequence: A143208
Score: 12.2448
Type of gen. func.: ogf

$$\frac{3 x^3 - 11 x^2 + 7 x - 2}{(x - 1)^3}$$

Sequence: A143208
Score: 20.6181
Type of gen. func.: lgdogf

$$\frac{2 x^2 + 8 x - 1}{(x - 1) (3 x^3 - 11 x^2 + 7 x - 2)}$$

Sequence: A143208
Score: 6.49348
Type of gen. func.: ogf

$$\{-a(n + 4) + 3 a(n + 3) - 3 a(n + 2) + a(n + 1), a(0) = 2, a(1) = -1, a(2) = 2,$$
$$a(3) = 8\}$$

Sequence: A143208
Score: 6.8571
Type of gen. func.: ogf

$$-(4 f(x) - 31) (f(x) x^3 - 3 f(x) x^2 - 3 x^3 + 3 f(x) x + 11 x^2 - f(x) - 7 x + 2)$$

Sequence: A143212
Score: 8.13259
Type of gen. func.: lgdogf

$$-\frac{3 x^6 - 6 x^5 + 3 x^4 + 6 x^3 - 19 x^2 + 4 x + 2}{(x + 1) (x^2 - 3 x + 1) (x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A143212
Score: 8.30381
Type of gen. func.: ogf

$$-\frac{x^2 - x + 1}{(x + 1) (x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A143217
Score: 4.34453
Type of gen. func.: ogf

$$\{(n^3 + 8 n^2 + 21 n + 18) a(n + 1) + (-n^2 - 7 n - 12) a(n + 2) + a(n + 3),$$

$$a(0) = 1, a(1) = 2, a(2) = 8\}$$

Sequence: A143240
Score: 20.8370
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x}{-x^2 - x - 1}$$

Sequence: A143241
Score: 12.0754
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^5 + x^4 + x^2 + x + 1}{-x^6 + 1}$$

Sequence: A143242
Score: 8.19936
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^5 + x^4 - x^3 - x^2 + x - 1}{x^6 + x^3 + 1}$$

Sequence: A143248
Score: 5.00822
Type of gen. func.: ogf

$$\{(-n^2 - 5 n - 6) a(n) + a(n + 1), a(0) = 0, a(1) = 12\}$$

Sequence: A143251
Score: 8.29728
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^5 + x^4 - x^3 - x^2 + x + 1}{-x^6 + x^4 - x^2 + 1}$$

Sequence: A143259
Score: 10.9538
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^3 - x^2 + 1}{x^4 + 1}$$

Sequence: A143277
Score: 19.3000
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^2+1}{x^3-1}$$

Sequence: A143281
Score: 10.0647
Type of gen. func.: ogf

$$-f(x)x^5 - f(x)x^4 + x^3 + 2f(x)x - f(x)$$

Sequence: A143281
Score: 18.1165
Type of gen. func.: ogf

$$\frac{x^3}{(x^2+x-1)(x^3+x-1)}$$

Sequence: A143281
Score: 21.9339
Type of gen. func.: lgdogf

$$-\frac{5x^4+4x^3-2}{(x^2+x-1)(x^3+x-1)}$$

Sequence: A143282
Score: 12.3772
Type of gen. func.: ogf

$$\frac{x^4}{(x^3+x-1)(x^4+x-1)}$$

Sequence: A143282
Score: 16.0640
Type of gen. func.: lgdogf

$$-\frac{7x^6+5x^4-3x^2+2x-2}{(x^3+x-1)(x^4+x-1)}$$

Sequence: A143283
Score: 13.1178
Type of gen. func.: ogf

$$\frac{x^5}{(x^2-x+1)(x^3+x^2-1)(x^4+x-1)}$$

Sequence: A143283
Score: 13.6274
Type of gen. func.: lgdogf

$$-\frac{9x^8+6x^5-4x^3+2x-2}{(x^2-x+1)(x^3+x^2-1)(x^4+x-1)}$$

Sequence: A143284
Score: 12.6126
Type of gen. func.: ogf

$$\frac{x^6}{(x^2-x+1)(x^3+x^2-1)(x^6+x-1)}$$

Sequence: A143284
Score: 12.9463
Type of gen. func.: lgdogf

$$-\frac{11x^{10}+7x^6-5x^4+2x-2}{}$$

$$(x^2 - x + 1)\,(x^3 + x^2 - 1)\,(x^6 + x - 1)$$

Sequence: A143285
Score: 13.0004
Type of gen. func.: ogf

$$\frac{x^7}{(x^6 + x - 1)\,(x^7 + x - 1)}$$

Sequence: A143285
Score: 16.6902
Type of gen. func.: lgdogf

$$-\frac{13\,x^{12} + 8\,x^7 - 6\,x^5 + 2\,x - 2}{(x^6 + x - 1)\,(x^7 + x - 1)}$$

Sequence: A143286
Score: 12.9995
Type of gen. func.: ogf

$$\frac{x^8}{(x^7 + x - 1)\,(x^8 + x - 1)}$$

Sequence: A143286
Score: 16.7724
Type of gen. func.: lgdogf

$$-\frac{15\,x^{14} + 9\,x^8 - 7\,x^6 + 2\,x - 2}{(x^7 + x - 1)\,(x^8 + x - 1)}$$

Sequence: A143287
Score: 12.7853
Type of gen. func.: ogf

$$\frac{x^{9}}{(x^{8} + x - 1)\,(x^{9} + x - 1)}$$

Sequence: A143287
Score: 16.5102
Type of gen. func.: lgdogf

$$-\frac{17\,x^{16} + 10\,x^{9} - 8\,x^{7} + 2\,x - 2}{(x^{8} + x - 1)\,(x^{9} + x - 1)}$$

Sequence: A143288
Score: 12.6977
Type of gen. func.: ogf

$$\frac{x^{10}}{(x^{9} + x - 1)\,(x^{10} + x - 1)}$$

Sequence: A143288
Score: 16.0944
Type of gen. func.: lgdogf

$$-\frac{19\,x^{18} + 11\,x^{10} - 9\,x^{8} + 2\,x - 2}{(x^{9} + x - 1)\,(x^{10} + x - 1)}$$

Sequence: A143289
Score: 10.5714
Type of gen. func.: lgdogf

$$-\frac{21\,x^{20} + 12\,x^{11} - 10\,x^{9} + 2\,x - 2}{(x^{2} - x + 1)\,(x^{9} + x^{8} - x^{6} - x^{5} + x^{3} + x^{2} - 1)\,(x^{10} + x - 1)}$$

Sequence: A143289
Score: 12.7345
Type of gen. func.: ogf

$$\frac{x^{11}}{(x^2 - x + 1)\,(x^9 + x^8 - x^6 - x^5 + x^3 + x^2 - 1)\,(x^{10} + x - 1)}$$

Sequence: A143290
Score: 12.5350
Type of gen. func.: ogf

$$\frac{x^{12}}{(x^2 - x + 1)\,(x^{12} + x - 1)\,(x^9 + x^8 - x^6 - x^5 + x^3 + x^2 - 1)}$$

Sequence: A143323
Score: 4.51466
Type of gen. func.: ogf_with_Euler_transform]

$$- (-2 x^{19} + x^{18} - 3 x^{17} + x^{16} - x^{15} - 3 x^{13} + x^{12} - x^{11} + x^{10} - 2 x^9 + x^8 - x^7 + x^6 - 3 x^5 - x^3 + x^2 - 3 x + 1) \Big/ (x^{20} - 1)$$

Sequence: A143330
Score: 11.5414
Type of gen. func.: ogf

$$-f(x)^2\, x - f(x)\, x^2 + f(x) - 1$$

Sequence: A143335
Score: 4.09341
Type of gen. func.: ogf

$$\frac{2 x^9 - x^8 - x^7 - x^6 - 2 x^5 - x^4 - 2 x^3 + 1}{x^{10} + x^9 - x^7 - x^6 - x^5 - x^4 - x^3 + x + 1}$$

Sequence: A143339
Score: 11.6034
Type of gen. func.: revogf

$$\frac{(-2 + x + (-x^2 (4 x^2 - 4 x - 1))^{1/2}) x}{2 (x - 1) (x^2 + x + 1)}$$

Sequence: A143339
Score: 7.41127
Type of gen. func.: ogf

$$-x^3 f(x)^3 - f(x)^3 x + f(x)^2 x + f(x)^2 - 2 f(x) + 1$$

Sequence: A143351
Score: 12.0755
Type of gen. func.: ogf

$$-\frac{1}{x^{10} + x^9 + x^8 + x^7 + x^4 + x^2 - 1}$$

Sequence: A143351
Score: 5.12536
Type of gen. func.: lgdogf

$$-\frac{x (10 x^8 + 9 x^7 + 8 x^6 + 7 x^5 + 4 x^2 + 2)}{x^{10} + x^9 + x^8 + x^7 + x^4 + x^2 - 1}$$

Sequence: A143363
Score: 15.8279
Type of gen. func.: revogf

$$\frac{(-1 + 2 x + (1 + 4 x)^{1/2}) (x - 1)}{2 (-2 + x)}$$

Sequence: A143363
Score: 5.52519
Type of gen. func.: ogf

$$-f(x)^3 x^2 + 2 f(x)^2 x^2 + 2 f(x)^2 x - f(x) x^2 - 3 f(x) x - f(x) + 2 x + 1$$

Sequence: A143366
Score: 5.86804
Type of gen. func.: ogf

$$\frac{3 (9 x^4 + 280 x^3 + 734 x^2 + 280 x + 9)}{(x - 1)^6}$$

Sequence: A143366
Score: 8.55544
Type of gen. func.: lgdogf

$$- \frac{2 (9 x^4 + 438 x^3 + 1888 x^2 + 1434 x + 167)}{(x - 1) (9 x^4 + 280 x^3 + 734 x^2 + 280 x + 9)}$$

Sequence: A143367
Score: 5.77047
Type of gen. func.: ogf

$$- \frac{4 (58624 x^4 - 116832 x^3 + 81760 x^2 - 22926 x + 2353)}{(x - 1) (4 x - 1)^2 (2 x - 1)^2}$$

Sequence: A143369
Score: 5.77015
Type of gen. func.: ogf

$$- \frac{4 (58624 x^4 - 138336 x^3 + 129424 x^2 - 42762 x + 9151)}{(x - 1) (4 x - 1)^2 (2 x - 1)^2}$$

Sequence: A143371
Score: 11.2483
Type of gen. func.: ogf

$$-\frac{x^2 - 4 x - 1}{(x - 1)^4}$$

Sequence: A143371
Score: 23.0691
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 - 5 x - 4)}{(x - 1) (x^2 - 4 x - 1)}$$

Sequence: A143371
Score: 3.90018
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (-1 - 3 n) a(n + 3) + (20 + 5 n) a(n + 2) + (-3 - n) a(n + 1), a(0) = 1, a(1) = 8, a(2) = 25, a(3) = 56\}$$

Sequence: A143371
Score: 5.70689
Type of gen. func.: ogf

$$(2760 f(x) + 11567) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + x^2 + f(x) - 4 x - 1)$$

Sequence: A143372
Score: 4.02998
Type of gen. func.: ogf

$$- 1/(5 x^{13} + 3 x^{12} + 7 x^{11} + 3 x^{10} - 2 x^9 - 3 x^8 - 2 x^7 - 2 x^6 + 3 x^5 + x^4 + x^3 + 2 x^2 - x - 1)$$

Sequence: A143373
Score: 11.3532
Type of gen. func.: ogf

$$-\frac{1}{x^7 + 2x^5 + 2x^3 + x - 1}$$

Sequence: A143373
Score: 11.7950
Type of gen. func.: lgdogf

$$-\frac{7x^6 + 10x^4 + 6x^2 + 1}{x^7 + 2x^5 + 2x^3 + x - 1}$$

Sequence: A143374
Score: 11.1079
Type of gen. func.: lgdogf

$$-\frac{2(28x^6 - 18x^5 - 20x^4 + 28x^3 + 12x^2 - 7x - 1)}{8x^7 - 6x^6 - 8x^5 + 14x^4 + 8x^3 - 7x^2 - 2x + 1}$$

Sequence: A143375
Score: 12.4672
Type of gen. func.: ogf

$$-\frac{1}{x^{12} + x^{10} + x^8 + 2x^5 + x^2 - 1}$$

Sequence: A143375
Score: 12.5440
Type of gen. func.: lgdogf

$$-\frac{2x(6x^{10} + 5x^8 + 4x^6 + 5x^3 + 1)}{x^{12} + x^{10} + x^8 + 2x^5 + x^2 - 1}$$

Sequence: A143377
Score: 11.9776
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^3+2x^2+x+2}{-x^4+1}$$

Sequence: A143378
Score: 14.1776
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^3-x^2+4x-1}{-x^4+1}$$

Sequence: A143379
Score: 12.9434
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^2+x-1}{x^3-x^2+x-1}$$

Sequence: A143380
Score: 8.84093
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^3+2x^2-3x+2}{x^4-1}$$

Sequence: A143388
Score: 3.75021
Type of gen. func.: ogf

```
    4     3      3     3           2  3          2  2            2
```

$$27 x f(x) - 4 x f(x) - 108 f(x) x + 16 f(x) x + 76 f(x) x - 18 f(x) x - 64 x^2 + f(x) + 16 x - 1$$

Sequence: A143389
Score: 6.62884
Type of gen. func.: ogf

$$- 1/(5 x^{13} + 10 x^{12} + 12 x^{11} + 10 x^{10} + 7 x^9 + 3 x^8 - 5 x^6 - 8 x^5 - 9 x^4 - 8 x^3 - 6 x^2 - 3 x - 1)$$

Sequence: A143399
Score: 5.34735
Type of gen. func.: ogf

$$6720 f(x) x^5 - 5944 f(x) x^4 + 2070 f(x) x^3 + x^4 - 355 f(x) x^2 + 30 f(x) x - f(x)$$

Sequence: A143399
Score: 8.41229
Type of gen. func.: lgdogf

$$- \frac{2 (16800 x^4 - 11888 x^3 + 3105 x^2 - 355 x + 15)}{(6 x - 1) (4 x - 1) (8 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A143399
Score: 9.99722
Type of gen. func.: ogf

$$- \frac{x^4}{(6 x - 1) (4 x - 1) (8 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A143400
Score: 6.71891
Type of gen. func.: lgdogf

$$-\frac{907200 x^5 - 639300 x^4 + 178096 x^3 - 24525 x^2 + 1670 x - 45}{(6 x - 1) (9 x - 1) (8 x - 1) (7 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A143400
Score: 8.26294
Type of gen. func.: ogf

$$\frac{x^5}{(6 x - 1) (9 x - 1) (8 x - 1) (7 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A143401
Score: 6.15999
Type of gen. func.: lgdegf]

$$(-45045 + 14175 x - x^4 + 360 x^3 - 945 x^2 + (x^8 + 25410 x^6 + 3711015 x^4 + 156080925 x^2 + 2029052025)^{1/2}) \Big/ (5 x (8 x^2 + 315))$$

Sequence: A143401
Score: 6.63277
Type of gen. func.: ogf

$$-\frac{x^6}{(9 x - 1) (6 x - 1) (7 x - 1) (12 x - 1) (10 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A143402
Score: 5.44856
Type of gen. func.: ogf

$$x^7/((9 x - 1) (13 x - 1) (7 x - 1) (12 x - 1) (14 x - 1) (10 x - 1) (11 x - 1) (8 x - 1))$$

Sequence: A143403

Score: 4.84274
Type of gen. func.: ogf

$$-x^8/((9x-1)(13x-1)(15x-1)(12x-1)(14x-1)(10x-1)(11x-1)(8x-1)(16x-1))$$

Sequence: A143404
Score: 3.88017
Type of gen. func.: ogf

$$x^9/((15x-1)(10x-1)(11x-1)(13x-1)(17x-1)(9x-1)(12x-1)(16x-1)(18x-1)(14x-1))$$

Sequence: A143405
Score: 35.6388
Type of gen. func.: lgdegf]

$$2\exp(2x)-\exp(x)$$

Sequence: A143412
Score: 16.3145
Type of gen. func.: lgdegf]

$$-15-8x+(8-64x)f(x)+(-64x^2+16x-1)f(x)^2$$

Sequence: A143412
Score: 3.38961
Type of gen. func.: ogf

$$\{(-n-2)a(n+1)+(-8n^2-35n-36)a(n+2)+(8n^2+61n+114)a(n+3)+(-n-4)a(n+4),\ a(0)=1,\ a(1)=3,\ a(2)=37,\ a(3)=743\}$$

Sequence: A143415
Score: 3.63102
Type of gen. func.: ogf

$$\{(-n^2 - 2 n) a(n) + (-4 n^3 - 18 n^2 - 28 n - 15) a(n + 1) + (n^2 + 4 n + 3) a(n + 2), a(0) = 0, a(1) = 1\}$$

Sequence: A143431
Score: 10.8792
Type of gen. func.: ogf

$$\{-a(n + 4) - a(n), a(0) = 1, a(1) = -1, a(2) = 1, a(3) = -1\}$$

Sequence: A143431
Score: 12.7649
Type of gen. func.: ogf

$$f(x) (f(x) x^4 + x^3 - x^2 + f(x) + x - 1)$$

Sequence: A143431
Score: 16.7959
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^2 + 1)}{x^4 + 1}$$

Sequence: A143431
Score: 19.9109
Type of gen. func.: lgdogf

$$-\frac{x^6 - 2 x^5 + 3 x^4 - 4 x^3 - 3 x^2 + 2 x - 1}{(x - 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A143431
Score: 28.9494
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 - 2 x^3 + x - 1$$

Sequence: A143432
Score: 13.1454
Type of gen. func.: ogf

$$-\frac{x^4 + 1}{(x - 1) (x^2 + 1)}$$

Sequence: A143432
Score: 16.7703
Type of gen. func.: lgdogf

$$\frac{x^6 - 2 x^5 + 3 x^4 - 4 x^3 - 3 x^2 + 2 x - 1}{(x - 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A143432
Score: 22.6590
Type of gen. func.: ogf_with_Euler_transform]

$$-x^7 + 2 x^3 - x + 1$$

Sequence: A143432
Score: 5.27668
Type of gen. func.: ogf

{a(n + 4) - a(n + 3) + a(n + 2) - a(n + 1), a(0) = 1, a(1) = 1, a(2) = 0,

a(3) = 0, a(4) = 2}

Sequence: A143432
Score: 8.81515
Type of gen. func.: ogf

$$-f(x) x^3 - x^4 + f(x) x^2 - f(x) x + f(x) - 1$$

Sequence: A143433
Score: 3.85453
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{15}+x^{14}-x^{12}-x^{11}-x^{10}+x^{9}+x^{8}+2\,x^{7}+x^{6}+x^{5}-x^{4}-x^{3}-x^{2}+1}{-x^{16}+1}$$

Sequence: A143434
Score: 3.93483
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{15}-x^{14}+x^{13}+x^{12}-x^{11}+x^{10}-x^{8}+2\,x^{7}-x^{6}+x^{4}-x^{3}+x^{2}+x-1}{-x^{16}+1}$$

Sequence: A143438
Score: 6.93277
Type of gen. func.: ogf

$$\frac{1}{x^{6}-x^{4}-x^{3}-x^{2}+1}$$

Sequence: A143438
Score: 8.30546
Type of gen. func.: lgdogf

$$-\frac{x\,(6\,x^{4}-4\,x^{2}-3\,x-2)}{x^{6}-x^{4}-x^{3}-x^{2}+1}$$

Sequence: A143447
Score: 11.7547
Type of gen. func.: ogf

$$-\frac{2\,x^{4}+2\,x^{3}+2\,x^{2}+2\,x+1}{2\,x^{5}+x-1}$$

Sequence: A143447
Score: 8.84582
Type of gen. func.: lgdogf

$$-\frac{4x^8+8x^7+12x^6+16x^5+4x^4+4x^3+4x^2+4x+3}{(2x^4+2x^3+2x^2+2x+1)(2x^5+x-1)}$$

Sequence: A143448
Score: 10.8120
Type of gen. func.: ogf

$$-\frac{2x^5+2x^4+2x^3+2x^2+2x+1}{(x+1)(2x^5-2x^4+2x^3-2x^2+2x-1)}$$

Sequence: A143449
Score: 6.07322
Type of gen. func.: lgdogf

$$-(4x^{12}+8x^{11}+12x^{10}+16x^9+20x^8+24x^7+4x^6+4x^5+4x^4+4x^3+4x^2+4x+3) \Big/ ((2x^6+2x^5+2x^4+2x^3+2x^2+2x+1)(2x^7+x-1))$$

Sequence: A143449
Score: 9.53905
Type of gen. func.: ogf

$$-\frac{2x^6+2x^5+2x^4+2x^3+2x^2+2x+1}{2x^7+x-1}$$

Sequence: A143450
Score: 9.02509
Type of gen. func.: ogf

$$-\frac{2x^7+2x^6+2x^5+2x^4+2x^3+2x^2+2x+1}{(x+1)(2x^7-2x^6+2x^5-2x^4+2x^3-2x^2+2x-1)}$$

Sequence: A143451
Score: 8.31733
Type of gen. func.: ogf

$$-\frac{2x^8+2x^7+2x^6+2x^5+2x^4+2x^3+2x^2+2x+1}{2x^9+x-1}$$

Sequence: A143452
Score: 7.64212
Type of gen. func.: ogf

$$-\frac{2x^9+2x^8+2x^7+2x^6+2x^5+2x^4+2x^3+2x^2+2x+1}{(x+1)(2x^9-2x^8+2x^7-2x^6+2x^5-2x^4+2x^3-2x^2+2x-1)}$$

Sequence: A143454
Score: 10.1533
Type of gen. func.: lgdogf

$$-\frac{9x^6+18x^5+27x^4+6x^3+6x^2+6x+4}{(3x^3+3x^2+3x+1)(3x^4+x-1)}$$

Sequence: A143454
Score: 12.9046
Type of gen. func.: ogf

$$-\frac{3x^3+3x^2+3x+1}{3x^4+x-1}$$

Sequence: A143454
Score: 7.79386
Type of gen. func.: ogf

$$(4 f(x) + 5) (3 f(x) x^4 + 3 x^3 + f(x) x + 3 x^2 - f(x) + 3 x + 1)$$

Sequence: A143455
Score: 10.8601
Type of gen. func.: ogf

$$- \frac{3 x^4 + 3 x^3 + 3 x^2 + 3 x + 1}{3 x^5 + x - 1}$$

Sequence: A143455
Score: 8.07465
Type of gen. func.: lgdogf

$$- \frac{9 x^8 + 18 x^7 + 27 x^6 + 36 x^5 + 6 x^4 + 6 x^3 + 6 x^2 + 6 x + 4}{(3 x^4 + 3 x^3 + 3 x^2 + 3 x + 1) (3 x^5 + x - 1)}$$

Sequence: A143456
Score: 6.77956
Type of gen. func.: lgdogf

$$- (9 x^{10} + 18 x^9 + 27 x^8 + 36 x^7 + 45 x^6 + 6 x^5 + 6 x^4 + 6 x^3 + 6 x^2 + 6 x + 4) \Big/ ((3 x^6 + x - 1) (3 x^5 + 3 x^4 + 3 x^3 + 3 x^2 + 3 x + 1))$$

Sequence: A143456
Score: 9.96477
Type of gen. func.: ogf

$$- \frac{3 x^5 + 3 x^4 + 3 x^3 + 3 x^2 + 3 x + 1}{3 x^6 + x - 1}$$

Sequence: A143457
Score: 5.59849
Type of gen. func.: lgdogf

$$-(9x^{12}+18x^{11}+27x^{10}+36x^{9}+45x^{8}+54x^{7}+6x^{6}+6x^{5}+6x^{4}+6x^{3}+6x^{2}+6x+4)\Big/\left((3x^{7}+x-1)(3x^{6}+3x^{5}+3x^{4}+3x^{3}+3x^{2}+3x+1)\right)$$

Sequence: A143457
Score: 8.86888
Type of gen. func.: ogf

$$-\frac{3x^{6}+3x^{5}+3x^{4}+3x^{3}+3x^{2}+3x+1}{3x^{7}+x-1}$$

Sequence: A143458
Score: 8.78909
Type of gen. func.: ogf

$$-\frac{3x^{7}+3x^{6}+3x^{5}+3x^{4}+3x^{3}+3x^{2}+3x+1}{3x^{8}+x-1}$$

Sequence: A143459
Score: 7.75571
Type of gen. func.: ogf

$$-\frac{3x^{8}+3x^{7}+3x^{6}+3x^{5}+3x^{4}+3x^{3}+3x^{2}+3x+1}{3x^{9}+x-1}$$

Sequence: A143460
Score: 7.12884
Type of gen. func.: ogf

$$-\frac{3 x^{9} + 3 x^{8} + 3 x^{7} + 3 x^{6} + 3 x^{5} + 3 x^{4} + 3 x^{3} + 3 x^{2} + 3 x + 1}{3 x^{10} + x - 1}$$

Sequence: A143462
Score: 22.8701
Type of gen. func.: ogf

$$\frac{1}{8 x^{2} + 4 x + 1}$$

Sequence: A143462
Score: 29.6188
Type of gen. func.: lgdogf

$$-\frac{4 (1 + 4 x)}{8 x^{2} + 4 x + 1}$$

Sequence: A143462
Score: 8.08822
Type of gen. func.: ogf

$$\{a(n + 2) + 4 a(n + 1) + 8 a(n), a(0) = 1, a(1) = -4\}$$

Sequence: A143462
Score: 8.18807
Type of gen. func.: ogf

$$(f(x) - 4) (8 f(x) x^{2} + 4 f(x) x + f(x) - 1)$$

Sequence: A143464
Score: 5.43693
Type of gen. func.: revogf

$$(-32 n^{2} - 32 n) a(n) + (-40 n^{2} - 136 n - 96) a(n + 1)$$

2 2

$$+ (-16 n - 82 n - 102) a(n + 2) + (-3 n - 21 n - 30) a(n + 3), a(0) = 0,$$

$$a(1) = 1, a(2) = -3$$

Sequence: A143464
Score: 7.21594
Type of gen. func.: ogf

$$-f(x)^2 x^2 - 8 f(x)^2 x + 2 f(x)^2 - 5 f(x) x + f(x) - x$$

Sequence: A143472
Score: 14.7596
Type of gen. func.: ogf

$$\frac{1}{x^{10} - x^7 - x^5 - x^3 + 1}$$

Sequence: A143472
Score: 16.1836
Type of gen. func.: lgdogf

$$-\frac{x^2 (10 x^7 - 7 x^4 - 5 x^2 - 3)}{x^{10} - x^7 - x^5 - x^3 + 1}$$

Sequence: A143478
Score: 6.71330
Type of gen. func.: ogf

$$- 1/(x^{11} + 8 x^{10} - 24 x^9 - 42 x^8 + 54 x^7 + 66 x^6 - 40 x^5 - 42 x^4 + 11 x^3$$

$$+ 11 x^2 - x - 1)$$

Sequence: A143488
Score: 10.6591
Type of gen. func.: ogf

$$2 x^{12} + x^{10} + x^8 - x^5 + x^3 + 1$$

$$-\frac{}{(x - 1) (x^4 + 1) (x^8 - x^4 + 1)}$$

Sequence: A143489
Score: 10.7749
Type of gen. func.: ogf

$$-\frac{x^{12} + x^9 - x^7 + x^4 + x^2 + 2}{(x - 1) (x^4 + 1) (x^8 - x^4 + 1)}$$

Sequence: A143490
Score: 10.2195
Type of gen. func.: ogf

$$-\frac{3 x^{12} + x^{11} - x^8 - x^6 - x^4 + x + 3}{(x - 1) (x^4 + 1) (x^8 - x^4 + 1)}$$

Sequence: A143510
Score: 2.65379
Type of gen. func.: ogf

$$(f(x) - 16842752) (2 f(x) x - f(x) + 16842752)$$

Sequence: A143511
Score: 2.12784
Type of gen. func.: ogf

$$(f(x) - 33817088) (f(x) x^2 - 2 f(x) x + f(x) - 33817088)$$

Sequence: A143555
Score: 6.30305
Type of gen. func.: ogf

$$f(x)^3 x - x^4 - f(x)^2 x + 2 f(x) x^2 - f(x)^2 - 2 x^2 + 2 f(x) - 1$$

Sequence: A143604
Score: 7.98280
Type of gen. func.: ogf

$$\frac{1}{x^{10}+x^{8}-x^{7}-x^{5}-x^{3}+x^{2}+1}$$

Sequence: A143604
Score: 9.64527
Type of gen. func.: lgdogf

$$-\frac{x\,(10\,x^{8}+8\,x^{6}-7\,x^{5}-5\,x^{3}-3\,x+2)}{x^{10}+x^{8}-x^{7}-x^{5}-x^{3}+x^{2}+1}$$

Sequence: A143605
Score: 12.1374
Type of gen. func.: ogf

$$\frac{1}{x^{10}+x^{9}-x^{5}+x+1}$$

Sequence: A143605
Score: 14.8129
Type of gen. func.: lgdogf

$$-\frac{10\,x^{9}+9\,x^{8}-5\,x^{4}+1}{x^{10}+x^{9}-x^{5}+x+1}$$

Sequence: A143606
Score: 8.05314
Type of gen. func.: ogf

$$\frac{1}{x^{12}+x^{11}-x^{9}-x^{7}-x^{6}-x^{5}-x^{3}+x+1}$$

Sequence: A143606
Score: 8.67714
Type of gen. func.: lgdogf

$$-\frac{12 x^{11} + 11 x^{10} - 9 x^{8} - 7 x^{6} - 6 x^{5} - 5 x^{4} - 3 x^{2} + 1}{x^{12} + x^{11} - x^{9} - x^{7} - x^{6} - x^{5} - x^{3} + x + 1}$$

Sequence: A143607
Score: 11.2182
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^{3} + 2 x + 1)}{x^{4} + 2 x^{2} - 1}$$

Sequence: A143607
Score: 12.5434
Type of gen. func.: lgdogf

$$-\frac{(x^{2} + 1) (x^{4} + 6 x^{2} + 8 x + 3)}{(x + 1) (x^{3} + 2 x + 1) (x^{4} + 2 x^{2} - 1)}$$

Sequence: A143607
Score: 7.12114
Type of gen. func.: ogf

$$-(12 f(x) + 11) (f(x) x^{4} + x^{4} + 2 f(x) x^{2} + x^{3} + 2 x^{2} - f(x) + 3 x + 1)$$

Sequence: A143608
Score: 10.6454
Type of gen. func.: lgdogf

$$-\frac{2 (x^{5} + 6 x^{4} + 2 x^{3} - 12 x^{2} - 7 x - 2)}{(x^{2} + 4 x + 1) (x^{2} + 2 x - 1) (x^{2} - 2 x - 1)}$$

Sequence: A143608
Score: 12.3849
Type of gen. func.: ogf

$$\frac{x\,(x^2 + 4\,x + 1)}{(x^2 + 2\,x - 1)\,(x^2 - 2\,x - 1)}$$

Sequence: A143608
Score: 7.19502
Type of gen. func.: ogf

$$-(328\,f(x) + 145)\,(f(x)\,x^4 - 6\,f(x)\,x^2 - x^3 - 4\,x^2 + f(x) - x)$$

Sequence: A143609
Score: 11.5118
Type of gen. func.: ogf

$$-\frac{x^3 + 2\,x^2 - 3\,x - 2}{(x^2 + 2\,x - 1)\,(x^2 - 2\,x - 1)}$$

Sequence: A143609
Score: 6.80239
Type of gen. func.: ogf

$$-(1912\,f(x) - 741)\,(f(x)\,x^4 - 6\,f(x)\,x^2 + x^3 + 2\,x^2 + f(x) - 3\,x - 2)$$

Sequence: A143611
Score: 11.3586
Type of gen. func.: ogf

$$\frac{1}{(x^{10} + x^9 - x^7 - x^6 - x^5 - x^4 - x^3 + x + 1)\,(x - 1)^2}$$

Sequence: A143611
Score: 8.44309
Type of gen. func.: lgdogf

$$-\frac{12x^{10}+x^{9}-9x^{8}-9x^{7}-x^{6}-x^{5}-x^{4}-x^{3}+3x^{2}+3x+1}{(x-1)(x^{10}+x^{9}-x^{7}-x^{6}-x^{5}-x^{4}-x^{3}+x+1)}$$

Sequence: A143616
Score: 14.8146
Type of gen. func.: ogf

$$-\frac{x^{5}-x^{4}+5x-6}{(x-1)^{2}}$$

Sequence: A143616
Score: 18.8646
Type of gen. func.: lgdogf

$$\frac{3x^{5}-7x^{4}+4x^{3}-5x+7}{(x-1)(x^{5}-x^{4}+5x-6)}$$

Sequence: A143617
Score: 5.57313
Type of gen. func.: ogf

$$-2x(6x^{10}+34x^{9}-30x^{8}+30x^{7}-10x^{6}-20x^{5}-4x^{4}-x^{3}-4x^{2}-x-4)\Big/\big((x-1)(10x^{7}-1)\big)$$

Sequence: A143618
Score: 10.1712
Type of gen. func.: lgdogf

$$10x^{7}+2x^{6}-18x^{4}+8x^{3}+27x^{2}+14x+8$$

$$(x - 1) (x^2 + x + 1) (5 x^5 + 2 x^4 - 4 x^3 - 7 x^2 - 8 x - 5)$$

Sequence: A143618
Score: 12.6523
Type of gen. func.: ogf

$$\frac{5 x^5 + 2 x^4 - 4 x^3 - 7 x^2 - 8 x - 5}{(x - 1) (x^2 + x + 1)}$$

Sequence: A143619
Score: 18.6742
Type of gen. func.: lgdogf

$$- \frac{x (14 x^{12} - 12 x^{10} - 7 x^5 - 2)}{x^{14} - x^{12} - x^7 - x^2 + 1}$$

Sequence: A143619
Score: 18.7557
Type of gen. func.: ogf

$$\frac{1}{x^{14} - x^{12} - x^7 - x^2 + 1}$$

Sequence: A143621
Score: 10.2477
Type of gen. func.: ogf

$$f(x) (f(x) x^4 - x^3 - x^2 + f(x) - x - 1)$$

Sequence: A143621
Score: 13.4838
Type of gen. func.: ogf

$$(x + 1) (x^2 + 1)$$

$$\frac{\quad}{x^4 + 1}$$

Sequence: A143621
Score: 15.8128
Type of gen. func.: lgdogf

$$-\frac{x^6 + 2x^5 + 3x^4 + 4x^3 - 3x^2 - 2x - 1}{(x + 1)(x^2 + 1)(x^4 + 1)}$$

Sequence: A143621
Score: 26.4321
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 - 2x^3 + 1$$

Sequence: A143621
Score: 8.73384
Type of gen. func.: ogf

{-a(n + 4) - a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1}

Sequence: A143622
Score: 25.9155
Type of gen. func.: ogf_with_Euler_transform]

$$x^{15} - 2x^7 + 1$$

Sequence: A143622
Score: 7.83223
Type of gen. func.: lgdogf

$$-(x^{14} + 2x^{13} + 3x^{12} + 4x^{11} + 5x^{10} + 6x^9 + 7x^8 + 8x^7 - 7x^6 - 6x^5 - 5x^4 - 4x^3 - 3x^2 - 2x - 1) / ((x + 1)(x^2 + 1)(x^4 + 1)(x^8 + 1))$$

Sequence: A143622
Score: 8.75855
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 1) (x^4 + 1)}{x^8 + 1}$$

Sequence: A143642
Score: 10.8645
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^3 - 2 x^2 - x - 1)}{x^6 - 4 x^3 + 1}$$

Sequence: A143642
Score: 7.70874
Type of gen. func.: lgdogf

$$- \frac{2 x^9 - 3 x^8 - 12 x^7 - 6 x^6 - 6 x^5 + 12 x^4 + 12 x^3 + 15 x^2 + 6 x + 2}{(x + 1) (x^3 - 2 x^2 - x - 1) (x^6 - 4 x^3 + 1)}$$

Sequence: A143643
Score: 10.6854
Type of gen. func.: ogf

$$(142 f(x) - 39) (f(x) x^4 - 4 f(x) x^2 - x^2 + f(x) - 3 x - 1)$$

Sequence: A143643
Score: 7.21055
Type of gen. func.: lgdogf

$$- \frac{2 x^5 + 9 x^4 + 4 x^3 - 12 x^2 - 10 x - 3}{(x^2 + 3 x + 1) (x^4 - 4 x^2 + 1)}$$

Sequence: A143643
Score: 7.94519
Type of gen. func.: ogf

$$\frac{x^2 + 3 x + 1}{x^4 - 4 x^2 + 1}$$

Sequence: A143644
Score: 13.6403
Type of gen. func.: lgdogf

$$- \frac{x^2 (14 x^{11} - 11 x^8 - 10 x^7 + 7 x^4 - 4 x - 3)}{x^{14} - x^{11} - x^{10} + x^7 - x^4 - x^3 + 1}$$

Sequence: A143644
Score: 14.3034
Type of gen. func.: ogf

$$\frac{1}{x^{14} - x^{11} - x^{10} + x^7 - x^4 - x^3 + 1}$$

Sequence: A143645
Score: 18.9933
Type of gen. func.: lgdogf

$$\frac{4 x^3 + 51 x^2 + 110 x + 36}{x^4 + 17 x^3 + 55 x^2 + 36 x + 24}$$

Sequence: A143645
Score: 5.38378
Type of gen. func.: ogf

$$-(189772226 f(x) - 25531237173) (-x^4 - 17 x^3 - 55 x^2 + f(x) - 36 x - 24)$$

Sequence: A143645
Score: 5.67015
Type of gen. func.: ogf

$$\{-a(n+5), a(0) = 24, a(1) = 36, a(2) = 55, a(3) = 17, a(4) = 1\}$$

Sequence: A143646
Score: 6.50956
Type of gen. func.: ogf

$$-f(x)^2 x^2 - 14 f(x)^2 x + 3 f(x)^2 - 7 f(x) x + f(x) - x$$

Sequence: A143647
Score: 13.1497
Type of gen. func.: ogf

$$-\frac{5 x - 1}{22 x^2 - 10 x + 1}$$

Sequence: A143647
Score: 14.7771
Type of gen. func.: lgdogf

$$-\frac{110 x^2 - 44 x + 5}{(5 x - 1) (22 x^2 - 10 x + 1)}$$

Sequence: A143647
Score: 6.7178
Type of gen. func.: ogf

$$-(6 f(x) + 19) (22 f(x) x^2 - 10 f(x) x + f(x) + 5 x - 1)$$

Sequence: A143647
Score: 7.35760
Type of gen. func.: ogf

$\{a(n + 2) - 10 a(n + 1) + 22 a(n), a(0) = 1, a(1) = 5\}$

Sequence: A143648
Score: 13.1708
Type of gen. func.: ogf

$$-\frac{4 x - 1}{10 x^2 - 8 x + 1}$$

Sequence: A143648
Score: 14.4800
Type of gen. func.: lgdogf

$$-\frac{4 (10 x^2 - 5 x + 1)}{(4 x - 1) (10 x^2 - 8 x + 1)}$$

Sequence: A143648
Score: 6.58543
Type of gen. func.: ogf

$$-(81 f(x) - 17) (10 f(x) x^2 - 8 f(x) x + f(x) + 4 x - 1)$$

Sequence: A143648
Score: 7.29951
Type of gen. func.: ogf

$\{a(n + 2) - 8 a(n + 1) + 10 a(n), a(0) = 1, a(1) = 4\}$

Sequence: A143662
Score: 11.7044
Type of gen. func.: ogf

$$\frac{x^6}{(2 x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A143662
Score: 12.1142
Type of gen. func.: lgdogf

$$-\frac{14 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x - 3}{(2 x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A143689
Score: 13.0098
Type of gen. func.: ogf

$$-\frac{3 x^2 - x + 1}{(x - 1)^3}$$

Sequence: A143689
Score: 24.3160
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 4 x + 2}{(x - 1) (3 x^2 - x + 1)}$$

Sequence: A143689
Score: 7.02298
Type of gen. func.: ogf

$$(81 f(x) - 61) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) - x + 1)$$

Sequence: A143689
Score: 7.08568
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 6}

Sequence: A143690
Score: 11.1736
Type of gen. func.: ogf

$$\frac{5 x^2 + 3 x + 1}{(x - 1)^4}$$

Sequence: A143690
Score: 21.0061
Type of gen. func.: lgdogf

$$- \frac{(5 x + 7) (2 x + 1)}{(x - 1) (5 x^2 + 3 x + 1)}$$

Sequence: A143690
Score: 3.85488
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (1 - 2 n) a(n + 3) + (15 - 2 n) a(n + 2)$$

$$+ (15 + 5 n) a(n + 1), a(0) = 1, a(1) = 7, a(2) = 27, a(3) = 70\}$$

Sequence: A143690
Score: 5.46791
Type of gen. func.: ogf

$$(2599614 f(x) + 9101315)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 5 x^2 + f(x) - 3 x - 1)$$

Sequence: A143698
Score: 12.2075
Type of gen. func.: ogf

$$- \frac{12 x (3 x + 1)}{(x - 1)^3}$$

Sequence: A143698
Score: 32.2423
Type of gen. func.: lgdogf

$$-\frac{6(x+1)}{(3x+1)(x-1)}$$

Sequence: A143698
Score: 6.10375
Type of gen. func.: ogf

$$-(268 f(x) - 4095) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 36 x^2 - f(x) + 12 x)$$

Sequence: A143698
Score: 6.37383
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 12, a(2) = 72\}$$

Sequence: A143699
Score: 3.53649
Type of gen. func.: ogf

$$-(769500 f(x) - 40183)$$

$$(f(x) x^4 - 19 f(x) x^3 + 41 f(x) x^2 + x^3 - 19 f(x) x + f(x) - x)$$

Sequence: A143699
Score: 6.53527
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 19 x^4 - 4 x^3 + 76 x^2 - 84 x + 19}{(x - 1) (x + 1) (x^4 - 19 x^3 + 41 x^2 - 19 x + 1)}$$

Sequence: A143699
Score: 7.33301
Type of gen. func.: ogf

$$x (x - 1) (x + 1)$$

```
                        - ------------------------------
                           4       3       2
                          x  - 19 x  + 41 x  - 19 x + 1
```

Sequence: A143721
Score: 12.7455
Type of gen. func.: lgdogf

```
                       5       4       3       2
                    6 x  + 35 x  + 32 x  + 30 x  + 28 x + 22
                  --------------------------------------------
                   6      5      4       3       2
                  x  + 7 x  + 8 x  + 10 x  + 14 x  + 22 x + 38
```

Sequence: A143722
Score: 14.5268
Type of gen. func.: lgdogf

```
                         4        3        2
                      5 x  + 164 x  + 189 x  + 128 x + 76
                     --------------------------------------
                      5       4       3       2
                     x  + 41 x  + 63 x  + 64 x  + 76 x + 48
```

Sequence: A143723
Score: 9.44945
Type of gen. func.: lgdogf

```
              7       6       5       4       3       2
           8 x  + 21 x  + 24 x  + 45 x  + 60 x  + 48 x  + 52 x + 46
          -----------------------------------------------------------
           8      7      6      5       4       3       2
          x  + 3 x  + 4 x  + 9 x  + 15 x  + 16 x  + 26 x  + 46 x + 52
```

Sequence: A143733
Score: 9.29441
Type of gen. func.: lgdogf

```
               7       6       5       4       3       2
            8 x  + 49 x  + 48 x  + 50 x  + 56 x  + 66 x  + 40 x + 34
          ------------------------------------------------------------
           8      7      6       5       4       3       2
          x  + 7 x  + 8 x  + 10 x  + 14 x  + 22 x  + 20 x  + 34 x + 62
```

Sequence: A143737
Score: 19.3732
Type of gen. func.: lgdogf

$$\frac{4 x^3 + 93 x^2 + 64 x + 58}{x^4 + 31 x^3 + 32 x^2 + 58 x + 68}$$

Sequence: A143737
Score: 5.67015
Type of gen. func.: ogf

$$\{-a(n + 5), a(0) = 68, a(1) = 58, a(2) = 32, a(3) = 31, a(4) = 1\}$$

Sequence: A143737
Score: 5.73112
Type of gen. func.: ogf

$$(60106950 f(x) + 8012990687) (-x^4 - 31 x^3 - 32 x^2 + f(x) - 58 x - 68)$$

Sequence: A143741
Score: 9.20589
Type of gen. func.: lgdogf

$$\frac{8 x^7 + 21 x^6 + 24 x^5 + 45 x^4 + 60 x^3 + 99 x^2 + 90 x + 123}{x^8 + 3 x^7 + 4 x^6 + 9 x^5 + 15 x^4 + 33 x^3 + 45 x^2 + 123 x + 72}$$

Sequence: A143749
Score: 30.6039
Type of gen. func.: revogf

$$- \frac{x (x - 1)}{1 + 9 x}$$

Sequence: A143749
Score: 8.81808
Type of gen. func.: lgdogf

$$- \frac{-9 x - 1 + (81 x^2 - 22 x + 1)^{1/2}}{}$$

$$2\,(81\,x^2 - 22\,x + 1)^{1/2}\,x$$

Sequence: A143749
Score: 9.61706
Type of gen. func.: ogf

$$-f(x)^2 - 9\,f(x)\,x + f(x) - x$$

Sequence: A143754
Score: 20.2224
Type of gen. func.: lgdogf

$$\frac{4\,x^3 + 21\,x^2 + 16\,x + 49}{x^4 + 7\,x^3 + 8\,x^2 + 49\,x + 75}$$

Sequence: A143754
Score: 6.22895
Type of gen. func.: ogf

$$-(162\,f(x) + 79217)\,(-x^4 - 7\,x^3 - 8\,x^2 + f(x) - 49\,x - 75)$$

Sequence: A143755
Score: 11.5624
Type of gen. func.: lgdogf

$$\frac{6\,x^5 + 205\,x^4 + 252\,x^3 + 192\,x^2 + 112\,x + 106}{x^6 + 41\,x^5 + 63\,x^4 + 64\,x^3 + 56\,x^2 + 106\,x + 80}$$

Sequence: A143756
Score: 18.6280
Type of gen. func.: lgdogf

$$\frac{4\,x^3 + 129\,x^2 + 100\,x + 40}{x^4 + 43\,x^3 + 50\,x^2 + 40\,x + 81}$$

Sequence: A143756
Score: 5.67015
Type of gen. func.: ogf

$$\{-a(n + 5), a(0) = 81, a(1) = 40, a(2) = 50, a(3) = 43, a(4) = 1\}$$

Sequence: A143756
Score: 5.73112
Type of gen. func.: ogf

$$(305208 f(x) + 230297421959) (-x^4 - 43 x^3 - 50 x^2 + f(x) - 40 x - 81)$$

Sequence: A143757
Score: 14.7469
Type of gen. func.: lgdogf

$$\frac{5 x^4 + 172 x^3 + 150 x^2 + 80 x + 44}{x^5 + 43 x^4 + 50 x^3 + 40 x^2 + 44 x + 82}$$

Sequence: A143757
Score: 5.11569
Type of gen. func.: ogf

$$-(97760215 f(x) - 2842349322) (-x^5 - 43 x^4 - 50 x^3 - 40 x^2 + f(x) - 44 x - 82)$$

Sequence: A143758
Score: 13.5854
Type of gen. func.: lgdogf

$$\frac{5 x^4 + 148 x^3 + 609 x^2 + 392 x + 140}{x^5 + 37 x^4 + 203 x^3 + 196 x^2 + 140 x + 84}$$

Sequence: A143758

Score: 4.81933
Type of gen. func.: ogf

$$-(3047929033 f(x) - 125451156356)$$

$$(-x^5 - 37 x^4 - 203 x^3 - 196 x^2 + f(x) - 140 x - 84)$$

Sequence: A143759
Score: 9.44945
Type of gen. func.: lgdogf

$$\frac{8 x^7 + 21 x^6 + 24 x^5 + 45 x^4 + 60 x^3 + 48 x^2 + 52 x + 46}{x^8 + 3 x^7 + 4 x^6 + 9 x^5 + 15 x^4 + 16 x^3 + 26 x^2 + 46 x + 86}$$

Sequence: A143767
Score: 13.0043
Type of gen. func.: lgdogf

$$\frac{6 x^5 + 15 x^4 + 16 x^3 + 27 x^2 + 30 x + 33}{x^6 + 3 x^5 + 4 x^4 + 9 x^3 + 15 x^2 + 33 x + 87}$$

Sequence: A143769
Score: 11.8872
Type of gen. func.: ogf

$$\frac{3 (3 x + 1) (2 x - 1)}{(x + 1) (3 x^2 + 1)}$$

Sequence: A143769
Score: 6.24584
Type of gen. func.: ogf

$$(544 f(x) - 18051) (3 f(x) x^3 + 3 f(x) x^2 + f(x) x - 18 x^2 + f(x) + 3 x + 3)$$

Sequence: A143769
Score: 6.58044

```
Type of gen. func.: ogf


  {-a(n + 3) - a(n + 2) - 3 a(n + 1) - 3 a(n), a(0) = -3, a(1) = 0, a(2) = 27}



------------------------------------------------------------------------------

Sequence:  A143785
Score: 15.5101
Type of gen. func.: lgdogf

                                 3      2
                             4 (x  + 3 x  + 6 x + 2)
                        - ------------------------------
                                            2
                          (x - 1) (x + 1) (x  + 2 x + 3)



------------------------------------------------------------------------------

Sequence:  A143785
Score: 9.48273
Type of gen. func.: ogf

                                  2
                                 x  + 2 x + 3
                               -----------------
                                      2        4
                               (x + 1)  (x - 1)



------------------------------------------------------------------------------

Sequence:  A143787
Score: 14.5941
Type of gen. func.: ogf

                                              2
                               (x + 1) (x - 1)
                              -------------------
                               3      2
                              x  - 3 x  - 2 x + 1



------------------------------------------------------------------------------

Sequence:  A143787
Score: 7.57135
Type of gen. func.: ogf


{a(n + 4) - 2 a(n + 3) - 3 a(n + 2) + a(n + 1), a(0) = 1, a(1) = 1, a(2) = 4,

    a(3) = 11}



------------------------------------------------------------------------------

Sequence:  A143787
Score: 8.39162
Type of gen. func.: ogf
```

$$(3 + 17 f(x)) (f(x) x^3 - 3 f(x) x^2 - x^3 - 2 f(x) x + x^2 + f(x) + x - 1)$$

Sequence: A143795
Score: 13.6598
Type of gen. func.: ogf

$$\frac{9 x^2 + x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A143795
Score: 17.7640
Type of gen. func.: lgdogf

$$-\frac{9 x^3 + 11 x^2 + 22 x + 2}{(x - 1) (x + 1) (9 x^2 + x + 1)}$$

Sequence: A143795
Score: 7.06142
Type of gen. func.: ogf

$$(1408 f(x) + 16469) (f(x) x^3 - f(x) x^2 - f(x) x - 9 x^2 + f(x) - x - 1)$$

Sequence: A143795
Score: 7.37387
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 2, a(2) = 12\}$$

Sequence: A143838
Score: 12.0620
Type of gen. func.: ogf

$$-\frac{12 x^2 + 19 x + 1}{(x - 1)^3}$$

Sequence: A143838
Score: 18.6288
Type of gen. func.: lgdogf

$$-\frac{2\,(6\,x^2 + 31\,x + 11)}{(x - 1)\,(12\,x^2 + 19\,x + 1)}$$

Sequence: A143838
Score: 6.03103
Type of gen. func.: ogf

$(7187456\,f(x) - 84948261)$

$$(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 12\,x^2 - f(x) + 19\,x + 1)$$

Sequence: A143838
Score: 6.66587
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 1,\ a(1) = 22,\ a(2) = 75\}$$

Sequence: A143839
Score: 12.0620
Type of gen. func.: ogf

$$-\frac{10\,x^2 + 21\,x + 1}{(x - 1)^3}$$

Sequence: A143839
Score: 18.6288
Type of gen. func.: lgdogf

$$-\frac{2\,(5\,x^2 + 31\,x + 12)}{(x - 1)\,(10\,x^2 + 21\,x + 1)}$$

Sequence: A143839
Score: 6.03103
Type of gen. func.: ogf

$$(1102848 f(x) - 13888753)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 10 x^2 - f(x) + 21 x + 1)$$

Sequence: A143839
Score: 6.66587
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 24, a(2) = 79\}$$

Sequence: A143840
Score: 7.43480
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^7 + x^6 - x^5 + x^4 - x^3 + x^2 - x + 1}{-x^9 - 1}$$

Sequence: A143845
Score: 13.6931
Type of gen. func.: ogf

$$- \frac{x (x + 2) (x^2 + 4)}{(x^4 + 1) (x - 1)}$$

Sequence: A143845
Score: 14.0015
Type of gen. func.: lgdogf

$$- \frac{2 x^7 + 5 x^6 + 12 x^5 + 28 x^4 - 34 x^3 + x^2 + 4 x + 12}{(x - 1) (x + 2) (x^2 + 4) (x^4 + 1)}$$

Sequence: A143846
Score: 11.7880
Type of gen. func.: lgdogf

$$\frac{6 x^5 + 205 x^4 + 252 x^3 + 192 x^2 + 152 x + 92}{x^6 + 41 x^5 + 63 x^4 + 64 x^3 + 76 x^2 + 92 x + 88}$$

Sequence: A143847
Score: 7.98549
Type of gen. func.: lgdogf

$$\frac{8 x^7 + 259 x^6 + 1218 x^5 + 980 x^4 + 704 x^3 + 552 x^2 + 472 x + 156}{x^8 + 37 x^7 + 203 x^6 + 196 x^5 + 176 x^4 + 184 x^3 + 236 x^2 + 156 x + 96}$$

Sequence: A143854
Score: 12.0620
Type of gen. func.: ogf

$$- \frac{14 x^2 + 17 x + 1}{(x - 1)^3}$$

Sequence: A143854
Score: 18.6288
Type of gen. func.: lgdogf

$$- \frac{2 (7 x^2 + 31 x + 10)}{(x - 1) (14 x^2 + 17 x + 1)}$$

Sequence: A143854
Score: 6.03103
Type of gen. func.: ogf

```
(6679552 f(x) - 74787043)

           3           2                   2
```

$$(f(x)\, x - 3 f(x)\, x + 3 f(x)\, x + 14 x - f(x) + 17 x + 1)$$

Sequence: A143854
Score: 6.66587
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 20, a(2) = 71\}$$

Sequence: A143855
Score: 12.1376
Type of gen. func.: ogf

$$- \frac{24 x^2 + 7 x + 1}{(x - 1)^3}$$

Sequence: A143855
Score: 18.9173
Type of gen. func.: lgdogf

$$- \frac{2 (12 x^2 + 31 x + 5)}{(x - 1) (24 x^2 + 7 x + 1)}$$

Sequence: A143855
Score: 6.11814
Type of gen. func.: ogf

$$(644096 f(x) - 6391599)$$

$$(f(x)\, x^3 - 3 f(x)\, x^2 + 3 f(x)\, x + 24 x^2 - f(x) + 7 x + 1)$$

Sequence: A143855
Score: 6.60116
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 10, a(2) = 51\}$$

Sequence: A143856
Score: 12.1376
Type of gen. func.: ogf

$$-\frac{22 x^2 + 9 x + 1}{(x - 1)^3}$$

Sequence: A143856
Score: 18.9173
Type of gen. func.: lgdogf

$$-\frac{2 (11 x^2 + 31 x + 6)}{(x - 1) (22 x^2 + 9 x + 1)}$$

Sequence: A143856
Score: 6.02025
Type of gen. func.: ogf

$$(4893696 f(x) - 48801211)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 22 x^2 - f(x) + 9 x + 1)$$

Sequence: A143856
Score: 6.60116
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 12, a(2) = 55\}$$

Sequence: A143859
Score: 12.0620
Type of gen. func.: ogf

$$-\frac{16 x^2 + 15 x + 1}{(x - 1)^3}$$

Sequence: A143859
Score: 19.1065
Type of gen. func.: lgdogf

$$-\frac{2\,(8\,x^2 + 31\,x + 9)}{(x - 1)\,(16\,x^2 + 15\,x + 1)}$$

Sequence: A143859
Score: 6.03103
Type of gen. func.: ogf

(6196224 f(x) - 66379249)

$$(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 16\,x^2 - f(x) + 15\,x + 1)$$

Sequence: A143859
Score: 6.66587
Type of gen. func.: ogf

$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 1,\ a(1) = 18,\ a(2) = 67\}$

Sequence: A143860
Score: 12.0035
Type of gen. func.: ogf

$$-\frac{18\,x^2 + 13\,x + 1}{(x - 1)^3}$$

Sequence: A143860
Score: 19.0119
Type of gen. func.: lgdogf

$$-\frac{2\,(9\,x^2 + 31\,x + 8)}{(x - 1)\,(18\,x^2 + 13\,x + 1)}$$

Sequence: A143860

Score: 6.00175
Type of gen. func.: ogf

$$(5737472 f(x) - 59415279)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 18 x^2 - f(x) + 13 x + 1)$$

Sequence: A143860
Score: 6.63351
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 16, a(2) = 63\}$$

Sequence: A143861
Score: 12.0035
Type of gen. func.: ogf

$$- \frac{20 x^2 + 11 x + 1}{(x - 1)^3}$$

Sequence: A143861
Score: 18.5366
Type of gen. func.: lgdogf

$$- \frac{2 (10 x^2 + 31 x + 7)}{(x - 1) (20 x^2 + 11 x + 1)}$$

Sequence: A143861
Score: 6.00175
Type of gen. func.: ogf

$$(5303296 f(x) - 53630461)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 20 x^2 - f(x) + 11 x + 1)$$

Sequence: A143861
Score: 6.63351
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 14, a(2) = 59\}$

Sequence: A143894
Score: 15.0036
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-8 x^2 + 10 x - 8}{-x^4 + 1}$$

Sequence: A143895
Score: 13.9314
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-10 x^2 + 8 x - 10}{-x^4 + 1}$$

Sequence: A143918
Score: 5.12277
Type of gen. func.: ogf

$\{(-n^2 - 3 n) a(n) + (n^2 + 4 n + 5) a(n + 1) + (-n - 2) a(n + 2), a(0) = 1,$

$a(1) = 2\}$

Sequence: A143919
Score: 17.9003
Type of gen. func.: lgdogf

$$\frac{4 x^3 + 57 x^2 + 130 x + 117}{x^4 + 19 x^3 + 65 x^2 + 117 x + 100}$$

Sequence: A143919
Score: 5.58851
Type of gen. func.: ogf

$$\{-a(n + 5), a(0) = 100, a(1) = 117, a(2) = 65, a(3) = 19, a(4) = 1\}$$

Sequence: A143919
Score: 5.70741
Type of gen. func.: ogf

$$(48834555 f(x) + 410236787) (-x^4 - 19 x^3 - 65 x^2 + f(x) - 117 x - 100)$$

Sequence: A143927
Score: 47.9971
Type of gen. func.: revogf

$$\frac{x}{(x^2 + x + 1)^2}$$

Sequence: A143938
Score: 16.0386
Type of gen. func.: lgdogf

$$- \frac{x^3 - 7 x^2 - 13 x - 109}{(x - 1) (x^3 - 5 x^2 - x - 27)}$$

Sequence: A143938
Score: 3.64335
Type of gen. func.: ogf

$$\{(121 n^2 + 662 n + 840) a(n + 1) + (534 n^2 + 5670 n + 12147) a(n + 2)$$

$$+ (-655 n^2 - 4004 n - 6117) a(n + 3), a(0) = 27, a(1) = 109, a(2) = 279\}$$

Sequence: A143938
Score: 5.0408
Type of gen. func.: ogf

$$(7184 f(x) + 175797)$$

4 3 2 3 2

$(f(x) x - 4 f(x) x + 6 f(x) x + x - 4 f(x) x - 5 x + f(x) - x - 27)$

Sequence: A143938
Score: 9.43535
Type of gen. func.: ogf

$$-\frac{x^3 - 5 x^2 - x - 27}{(x - 1)^4}$$

Sequence: A143941
Score: 11.7547
Type of gen. func.: ogf

$$-\frac{(x + 1) (x - 3)}{(x - 1)^4}$$

Sequence: A143941
Score: 22.4686
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 - 2 x - 7)}{(x - 1) (x - 3) (x + 1)}$$

Sequence: A143941
Score: 4.01522
Type of gen. func.: ogf

$\{(-3 n - 12) a(n + 4) + (17 + n) a(n + 3) + (10 + 3 n) a(n + 2)$

$+ (-3 - n) a(n + 1), a(0) = 3, a(1) = 14, a(2) = 37, a(3) = 76\}$

Sequence: A143941
Score: 6.00796
Type of gen. func.: ogf

$(1000 f(x) + 6101)$

$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + x^2 + f(x) - 2 x - 3)$

Sequence: A143943
Score: 10.4390
Type of gen. func.: ogf

$$\frac{2 (x + 2)^2}{(x - 1)^4}$$

Sequence: A143943
Score: 35.2977
Type of gen. func.: lgdogf

$$- \frac{2 (5 + x)}{(x + 2) (x - 1)}$$

Sequence: A143943
Score: 4.67719
Type of gen. func.: ogf

$$\{(-2 n - 6) a(n + 3) + (12 + n) a(n + 2) + (n + 3) a(n + 1), a(0) = 8,$$

$$a(1) = 40, a(2) = 114\}$$

Sequence: A143943
Score: 5.37528
Type of gen. func.: ogf

$$(171 f(x) + 1718)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 2 x^2 + f(x) - 8 x - 8)$$

Sequence: A143945
Score: 20.4072
Type of gen. func.: lgdogf

$$- \frac{4 x^2 + 17 x + 9}{(x - 1) (x^2 + 3 x + 1)}$$

Sequence: A143945
Score: 3.50302
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-5 + 2 n) a(n + 3) + (-19 - 2 n) a(n + 2) + (-n - 4) a(n + 1), a(0) = 0, a(1) = 8, a(2) = 72, a(3) = 320\}$$

Sequence: A143945
Score: 7.49570
Type of gen. func.: ogf

$$\frac{8 x (x^2 + 3 x + 1)}{(x - 1)^6}$$

Sequence: A143954
Score: 3.34079
Type of gen. func.: ogf

$$\{(4 n + 10) a(n + 1) + (-9 n - 23) a(n + 2) + (6 n + 16) a(n + 3) + (-3 - n) a(n + 4), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 5\}$$

Sequence: A143955
Score: 3.40053
Type of gen. func.: ogf

$$\{(-4 n^2 - 14 n - 12) a(n + 1) + (5 n^2 + 19 n + 12) a(n + 2) + (-n^2 - 5 n) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$$

Sequence: A143955
Score: 4.57571
Type of gen. func.: ogf

$$f(x)^2 x^4 - 2 f(x)^2 x^3 + f(x)^2 x^2 + 5 f(x) x^3 - 10 f(x) x^2 + x^3 + 6 f(x) x - f(x)$$

Sequence: A143960
Score: 5.37123
Type of gen. func.: ogf

$$\{a(n+3) - 7 a(n+2) + 14 a(n+1) - 8 a(n), a(0) = 2, a(1) = 10, a(2) = 38\}$$

Sequence: A143960
Score: 6.52321
Type of gen. func.: ogf

$$(7 f(x) - 78) (8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x - 4 x^2 - f(x) - 4 x + 2)$$

Sequence: A143960
Score: 8.77028
Type of gen. func.: lgdogf

$$- \frac{16 x^4 + 32 x^3 - 66 x^2 + 32 x - 5}{(x - 1) (2 x - 1) (4 x - 1) (2 x^2 + 2 x - 1)}$$

Sequence: A143960
Score: 9.96277
Type of gen. func.: ogf

$$\frac{2 (2 x^2 + 2 x - 1)}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A143975
Score: 13.6598
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - x^4 - 4 x^3 - 6 x^2 - 6 x - 3}{(x - 1) (x^2 + x + 1) (x^3 - x^2 - x - 1)}$$

Sequence: A143975

Score: 9.99234
Type of gen. func.: ogf

$$\frac{x^3 - x^2 - x - 1}{(x^2 + x + 1)(x - 1)^3}$$

Sequence: A143978
Score: 10.8274
Type of gen. func.: ogf

$$-\frac{(x + 1)^2}{(x^2 + x + 1)(x - 1)^3}$$

Sequence: A143978
Score: 20.4477
Type of gen. func.: lgdogf

$$-\frac{(x + 2)(3 x^2 + x + 2)}{(x - 1)(x + 1)(x^2 + x + 1)}$$

Sequence: A143978
Score: 33.1846
Type of gen. func.: ogf_with_Euler_transform]

$$x^2 - 2 x + 4$$

Sequence: A143988
Score: 13.5364
Type of gen. func.: ogf

$$\frac{5 x^2 + 8 x + 5}{(x + 1)(x - 1)^2}$$

Sequence: A143988
Score: 16.5258
Type of gen. func.: lgdogf

$$-\frac{5 x^{3} + 21 x^{2} + 33 x + 13}{(x - 1) (x + 1) (5 x^{2} + 8 x + 5)}$$

Sequence: A143988
Score: 7.24315
Type of gen. func.: ogf

{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 5, a(1) = 13, a(2) = 23}

Sequence: A143988
Score: 7.3725
Type of gen. func.: ogf

$$(9 f(x) - 38) (f(x) x^{3} - f(x) x^{2} - f(x) x - 5 x^{2} + f(x) - 8 x - 5)$$

Sequence: A144044
Score: 4.56592
Type of gen. func.: ogf

$$-(54918 f(x) - 4475) (1000 f(x) x^{3} - 140 f(x) x^{2} - 14 f(x) x + f(x) + 10 x - 1)$$

Sequence: A144044
Score: 4.60397
Type of gen. func.: ogf

{-a(n + 3) + 14 a(n + 2) + 140 a(n + 1) - 1000 a(n), a(0) = 1, a(1) = 4,

a(2) = 196}

Sequence: A144044
Score: 8.45536
Type of gen. func.: lgdogf

$$-\frac{4 (5000 x^{3} - 1100 x^{2} + 70 x + 1)}{}$$

$$(10 x + 1) (10 x - 1) (100 x^2 - 24 x + 1)$$

Sequence: A144044
Score: 9.20793
Type of gen. func.: ogf

$$- \frac{10 x - 1}{(10 x + 1) (100 x^2 - 24 x + 1)}$$

Sequence: A144065
Score: 12.0281
Type of gen. func.: ogf

$$\frac{x (x^3 - 3 x - 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A144065
Score: 19.2389
Type of gen. func.: lgdogf

$$- \frac{(x + 2) (2 x^3 - 3 x^2 - 3 x - 2)}{(x - 1) (x + 1) (x^3 - 3 x - 1)}$$

Sequence: A144065
Score: 4.99629
Type of gen. func.: ogf

$$\{(n + 5) a(n + 1) + (-n - 5) a(n + 2) + (-3 - n) a(n + 3) + (n + 3) a(n + 4),$$

$$a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 6\}$$

Sequence: A144067
Score: 30.2575
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{3}{}$$

```
                                        -3 x + 1



-------------------------------------------------------------------------------

Sequence:  A144068
Score: 29.7244
Type of gen. func.: ogf_with_Euler_transform]


                                           4
                                        --------
                                        -4 x + 1



-------------------------------------------------------------------------------

Sequence:  A144069
Score: 27.4007
Type of gen. func.: ogf_with_Euler_transform]


                                           5
                                        --------
                                        -5 x + 1



-------------------------------------------------------------------------------

Sequence:  A144070
Score: 29.4710
Type of gen. func.: ogf_with_Euler_transform]


                                           6
                                        --------
                                        -6 x + 1



-------------------------------------------------------------------------------

Sequence:  A144071
Score: 28.1599
Type of gen. func.: ogf_with_Euler_transform]


                                           7
                                        --------
                                        -7 x + 1



-------------------------------------------------------------------------------

Sequence:  A144072
Score: 27.3244
Type of gen. func.: ogf_with_Euler_transform]


                                           8
                                        --------
                                        -8 x + 1



-------------------------------------------------------------------------------
```

Sequence: A144073
Score: 27.9133
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{9}{-9 x + 1}$$

Sequence: A144075
Score: 14.2651
Type of gen. func.: ogf

$$- \frac{x^4 - x^3 - 1}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A144075
Score: 15.4178
Type of gen. func.: lgdogf

$$- \frac{x^7 - x^6 - 2 x^3 - 4 x^2 - x - 1}{(x - 1) (x + 1) (x^2 + 1) (x^4 - x^3 - 1)}$$

Sequence: A144085
Score: 15.6775
Type of gen. func.: lgdegf]

$$-7 + 7 x^2 - 7 x + (9 x^2 - 16 x + 5) f(x) + (2 x^2 - 4 x + 2) f(x)^2$$

Sequence: A144085
Score: 4.28146
Type of gen. func.: ogf

$$\{(-n^2 - 5 n - 6) a(n + 1) + (-n^2 - 4 n - 3) a(n + 2) + (2 n + 7) a(n + 3)$$

$$- a(n + 4), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 18\}$$

Sequence: A144086
Score: 3.14321

Type of gen. func.: ogf

$$\{(-n^3 - 9 n^2 - 26 n - 24) a(n + 1) + (-n^3 - 7 n^2 - 12 n) a(n + 2)$$

$$+ (2 n^2 + 13 n + 20) a(n + 3) + (-3 - n) a(n + 4), a(0) = 0, a(1) = 1,$$

$$a(2) = 2, a(3) = 12\}$$

Sequence: A144086
Score: 38.7193
Type of gen. func.: lgdegf]

$$- \frac{x^2 - x - 1}{(x - 1)^2}$$

Sequence: A144087
Score: 3.38475
Type of gen. func.: ogf

$$\{(n^3 + 9 n^2 + 26 n + 24) a(n + 1) + (n^3 + 6 n^2 + 5 n - 12) a(n + 2)$$

$$+ (-2 n^2 - 11 n - 12) a(n + 3) + (n + 2) a(n + 4), a(0) = 0, a(1) = 0,$$

$$a(2) = 1, a(3) = 3\}$$

Sequence: A144087
Score: 42.2466
Type of gen. func.: lgdegf]

$$- \frac{x^2 - x - 1}{(x - 1)^2}$$

Sequence: A144109
Score: 4.52292
Type of gen. func.: ogf

$$(40493 f(x) + 8556)$$

$$(f(x) x^4 - 5 f(x) x^3 + 2 f(x) x^2 - 5 f(x) x - x^2 + f(x) - 4 x - 1)$$

Sequence: A144109
Score: 8.91474
Type of gen. func.: ogf

$$\frac{x^{2}+4x+1}{(x^{2}+1)(x^{2}-5x+1)}$$

Sequence: A144109
Score: 9.13262
Type of gen. func.: lgdogf

$$-\frac{2x^{5}+7x^{4}-36x^{3}-2x^{2}+2x-9}{(x^{2}+1)(x^{2}+4x+1)(x^{2}-5x+1)}$$

Sequence: A144110
Score: 10.3574
Type of gen. func.: ogf

$$f(x)\,(f(x)\,x^{4}-f(x)\,x^{3}+x^{3}+f(x)\,x-f(x)+2)$$

Sequence: A144110
Score: 17.9893
Type of gen. func.: ogf

$$-\frac{x^{3}+2}{(x-1)(x+1)(x^{2}-x+1)}$$

Sequence: A144110
Score: 20.1332
Type of gen. func.: lgdogf

```
                     6      3      2
                    x  + 6 x  - 3 x  + 2
           - -------------------------------------
                              3        2
```

$$(x - 1) (x + 1) (x + 2) (x - x + 1)$$

Sequence: A144110
Score: 8.26927
Type of gen. func.: ogf

$\{a(n + 4) - a(n + 3) + a(n + 1) - a(n), a(0) = 2, a(1) = 2, a(2) = 2, a(3) = 1\}$

Sequence: A144124
Score: 6.19677
Type of gen. func.: ogf

$$-\frac{x^4 + 316 x^3 + 1046 x^2 + 316 x + 1}{(x - 1)^5}$$

Sequence: A144124
Score: 8.71886
Type of gen. func.: lgdogf

$$-\frac{x^4 + 636 x^3 + 4086 x^2 + 3356 x + 321}{(x - 1) (x^4 + 316 x^3 + 1046 x^2 + 316 x + 1)}$$

Sequence: A144126
Score: 3.91442
Type of gen. func.: ogf

$$-\frac{x^6 + 8982 x^5 + 150543 x^4 + 346228 x^3 + 150543 x^2 + 8982 x + 1}{(x - 1)^7}$$

Sequence: A144128
Score: 10.9499
Type of gen. func.: revogf

$$-\frac{-1 - 36 x + (34 x + 1)^{1/2} (38 x + 1)^{1/2}}{2 x}$$

Sequence: A144128
Score: 15.1332
Type of gen. func.: ogf

$$\frac{1}{x^2 - 36 x + 1}$$

Sequence: A144128
Score: 21.8999
Type of gen. func.: lgdogf

$$-\frac{2 (-18 + x)}{x^2 - 36 x + 1}$$

Sequence: A144128
Score: 6.12535
Type of gen. func.: ogf

$$(647 f(x) + 1) (f(x) x^2 - 36 f(x) x + f(x) - 1)$$

Sequence: A144128
Score: 6.12536
Type of gen. func.: ogf

$$\{-a(n + 2) + 36 a(n + 1) - a(n), a(0) = 1, a(1) = 36\}$$

Sequence: A144129
Score: 20.7370
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + 34 x + 13)}{(x - 1) (x^2 + 22 x + 1)}$$

Sequence: A144129
Score: 3.66482
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (16 + 21 n) a(n + 3) + (-89 - 21 n) a(n + 2) + (-n - 2) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 26, a(3) = 99\}$$

Sequence: A144129
Score: 5.04539
Type of gen. func.: ogf

$$-(11280 f(x) + 98971) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 22 x^2 + f(x) - x)$$

Sequence: A144129
Score: 9.95443
Type of gen. func.: ogf

$$\frac{x (x^2 + 22 x + 1)}{(x - 1)^4}$$

Sequence: A144130
Score: 10.4735
Type of gen. func.: lgdogf

$$-\frac{x^4 + 188 x^3 + 582 x^2 + 188 x + 1}{(x - 1) (x^4 + 92 x^3 + 102 x^2 - 4 x + 1)}$$

Sequence: A144130
Score: 6.87182
Type of gen. func.: ogf

$$-\frac{x^4 + 92 x^3 + 102 x^2 - 4 x + 1}{(x - 1)^5}$$

Sequence: A144133
Score: 11.4068
Type of gen. func.: ogf

$$\frac{1}{(x^2 - 6 x + 1)^2}$$

Sequence: A144133
Score: 29.0586
Type of gen. func.: lgdogf

$$-\frac{4 (x - 3)}{x^2 - 6 x + 1}$$

Sequence: A144133
Score: 3.85166
Type of gen. func.: ogf

$\{(-3 - n) a(n + 3) + (24 + 6 n) a(n + 2) + (-n - 5) a(n + 1), a(0) = 1,$

$a(1) = 12, a(2) = 106\}$

Sequence: A144133
Score: 4.70758
Type of gen. func.: ogf

$$(80239 f(x) + 175) (f(x) x^4 - 12 f(x) x^3 + 38 f(x) x^2 - 12 f(x) x + f(x) - 1)$$

Sequence: A144135
Score: 22.9369
Type of gen. func.: lgdogf

$$-\frac{4 (-8 + x)}{x^2 - 16 x + 1}$$

Sequence: A144135
Score: 3.32711
Type of gen. func.: ogf

$\{(-3 - n) a(n + 3) + (64 + 16 n) a(n + 2) + (-n - 5) a(n + 1), a(0) = 1,$

$a(1) = 32, a(2) = 766\}$

Sequence: A144135
Score: 3.96693
Type of gen. func.: ogf

$$(10956713 f(x) + 425) (f(x) x^4 - 32 f(x) x^3 + 258 f(x) x^2 - 32 f(x) x + f(x) - 1)$$

Sequence: A144135
Score: 9.73023
Type of gen. func.: ogf

$$\frac{1}{(x^2 - 16 x + 1)^2}$$

Sequence: A144138
Score: 10.9128
Type of gen. func.: ogf

$$\frac{4 x (x^2 + 10 x + 1)}{(x - 1)^4}$$

Sequence: A144138
Score: 23.4304
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 + 16 x + 7)}{(x - 1) (x^2 + 10 x + 1)}$$

Sequence: A144138
Score: 4.05802
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (4 + 9 n) a(n + 3) + (-41 - 9 n) a(n + 2)$$
$$+ (-n - 2) a(n + 1), a(0) = 0, a(1) = 4, a(2) = 56, a(3) = 204\}$$

Sequence: A144138
Score: 5.64716
Type of gen. func.: ogf

$$-(138 f(x) + 2207)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 x^3 - 4 f(x) x - 40 x^2 + f(x) - 4 x)$$

Sequence: A144139
Score: 10.5699
Type of gen. func.: lgdogf

$$- \frac{5 x^4 + 388 x^3 + 1134 x^2 + 388 x + 5}{(x - 1) (5 x^4 + 184 x^3 + 194 x^2 + 1)}$$

Sequence: A144139
Score: 7.37523
Type of gen. func.: ogf

$$- \frac{5 x^4 + 184 x^3 + 194 x^2 + 1}{(x - 1)^5}$$

Sequence: A144141
Score: 5.84267
Type of gen. func.: ogf

$$\{(2 n + 4) a(n + 1) + a(n + 3) - 4 a(n + 2), a(0) = 1, a(1) = 4, a(2) = 14\}$$

Sequence: A144141
Score: 53.5884
Type of gen. func.: lgdegf]

$$-4 + 2 x + f(x)$$

Sequence: A144142
Score: 5.92880
Type of gen. func.: ogf

{(2 n + 4) a(n + 1) + a(n + 3) - 6 a(n + 2), a(0) = 1, a(1) = 6, a(2) = 34}

Sequence: A144142
Score: 53.1097
Type of gen. func.: lgdegf]

-6 + 2 x + f(x)

Sequence: A144143
Score: 49.0210
Type of gen. func.: lgdegf]

-8 + 2 x + f(x)

Sequence: A144143
Score: 6.08654
Type of gen. func.: ogf

{(2 n + 4) a(n + 1) + a(n + 3) - 8 a(n + 2), a(0) = 1, a(1) = 8, a(2) = 62}

Sequence: A144180
Score: 15.7037
Type of gen. func.: lgdegf]

(-n - 2) a(n + 2) + a(n + 1), a(0) = 5, a(1) = 5

Sequence: A144181
Score: 13.7468
Type of gen. func.: ogf

$$-\frac{4 x^3 + 2 x^2 + 1}{2 x^3 + x - 1}$$

```
--------------------------------------------------------------------------------

Sequence:  A144181
Score: 6.87342
Type of gen. func.: ogf


   {a(n + 4) - a(n + 3) - 2 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 9}



--------------------------------------------------------------------------------

Sequence:  A144181
Score: 7.75811
Type of gen. func.: ogf


                                   3      3                  2
           -(f(x) - 1) (2 f(x) x  + 4 x  + f(x) x + 2 x  - f(x) + 1)



--------------------------------------------------------------------------------

Sequence:  A144223
Score: 14.1307
Type of gen. func.: lgdegf]


                (-n - 2) a(n + 2) + a(n + 1), a(0) = 6, a(1) = 6



--------------------------------------------------------------------------------

Sequence:  A144248
Score: 15.8618
Type of gen. func.: ogf_with_Euler_transform]


                                       -23 - x
                                     - -------
                                        x - 1



--------------------------------------------------------------------------------

Sequence:  A144249
Score: 15.9476
Type of gen. func.: ogf_with_Euler_transform]


                                      -22 - 2 x
                                    - ---------
                                        x - 1



--------------------------------------------------------------------------------

Sequence:  A144263
Score: 14.6927
Type of gen. func.: lgdegf]


                (-n - 2) a(n + 2) + a(n + 1), a(0) = 7, a(1) = 7
```

Sequence: A144297
Score: 15.8067
Type of gen. func.: lgdegf]

$$-\frac{-2x+2+(1-2x)^{1/2}}{2x-1}$$

Sequence: A144298
Score: 11.5440
Type of gen. func.: lgdogf

$$-\frac{(3x^2+8x+9)(x^3-3x^2-3x-1)}{(x-1)(x+1)(x^4-x^3-5x^2-6x-1)}$$

Sequence: A144298
Score: 6.46324
Type of gen. func.: ogf

$$\frac{4x^2(x^4-x^3-5x^2-6x-1)}{(x+1)^2(x-1)^5}$$

Sequence: A144301
Score: 3.56328
Type of gen. func.: ogf

$$\{(2n+4)a(n+1)+(4n^2+15n+16)a(n+2)+(2n^2+11n+16)a(n+3)$$
$$+(-n-4)a(n+4), a(0)=1, a(1)=1, a(2)=2, a(3)=7\}$$

Sequence: A144301
Score: 30.1372
Type of gen. func.: lgdegf]

$$-1+(1-2x)f(x)^2$$

Sequence: A144312
Score: 12.9660
Type of gen. func.: ogf

$$-\frac{5 x (3 + 2 x)}{(x - 1)^{3}}$$

Sequence: A144312
Score: 32.7763
Type of gen. func.: lgdogf

$$-\frac{11 + 4 x}{(3 + 2 x) (x - 1)}$$

Sequence: A144312
Score: 6.48302
Type of gen. func.: ogf

$$-(405 f(x) - 3724) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 10 x^{2} - f(x) + 15 x)$$

Sequence: A144312
Score: 6.76987
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 15, a(2) = 55\}$$

Sequence: A144314
Score: 12.8798
Type of gen. func.: ogf

$$-\frac{3 x (5 x + 7)}{(x - 1)^{3}}$$

Sequence: A144314
Score: 29.9537
Type of gen. func.: lgdogf

$$-\frac{2\,(13 + 5\,x)}{(5\,x + 7)\,(x - 1)}$$

Sequence: A144314
Score: 6.43991
Type of gen. func.: ogf

$$(43920\,f(x) - 573667)\,(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x + 15\,x^{2} - f(x) + 21\,x)$$

Sequence: A144314
Score: 6.72486
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 0,\ a(1) = 21,\ a(2) = 78\}$$

Sequence: A144335
Score: 13.6746
Type of gen. func.: lgdogf

$$-\frac{x^{4} - 2\,x^{3} + 9\,x^{2} + 4\,x + 3}{(x - 1)\,(x^{4} - 3\,x^{3} + 6\,x^{2} - 2\,x + 1)}$$

Sequence: A144335
Score: 7.92612
Type of gen. func.: ogf

$$-\frac{x^{4} - 3\,x^{3} + 6\,x^{2} - 2\,x + 1}{(x - 1)^{5}}$$

Sequence: A144345
Score: 12.1173
Type of gen. func.: revegf]

$$-\frac{(1 + 4\,x)^{1/2}\,x + (1 + 4\,x)^{1/2} - 1 - 3\,x - 2\,x^{3}}{3}$$

$$6x$$

Sequence: A144345
Score: 4.39495
Type of gen. func.: ogf

$$\{(-9 n^2 - 45 n - 56) a(n + 1) + (6 n + 18) a(n + 2) - a(n + 3), a(0) = 1,$$
$$a(1) = 6, a(2) = 52\}$$

Sequence: A144346
Score: 4.63623
Type of gen. func.: ogf

$$\{(-9 n^2 - 63 n - 110) a(n + 1) + (24 + 6 n) a(n + 2) - a(n + 3), a(0) = 1,$$
$$a(1) = 12, a(2) = 160\}$$

Sequence: A144347
Score: 4.32438
Type of gen. func.: ogf

$$\{(-25 n^2 - 135 n - 182) a(n + 1) + (10 n + 32) a(n + 2) - a(n + 3), a(0) = 1,$$
$$a(1) = 12, a(2) = 192\}$$

Sequence: A144349
Score: 4.52941
Type of gen. func.: ogf

$$\{(-36 n^2 - 198 n - 272) a(n + 1) + (12 n + 39) a(n + 2) - a(n + 3), a(0) = 1,$$
$$a(1) = 15, a(2) = 295\}$$

Sequence: A144390
Score: 13.4440
Type of gen. func.: ogf

$$\frac{x^2 - 6 x - 1}{\qquad{}^{3}}$$

$$(x - 1)$$

Sequence: A144390
Score: 25.1463
Type of gen. func.: lgdogf

$$-\frac{x^2 - 10 x - 9}{(x - 1) (x^2 - 6 x - 1)}$$

Sequence: A144390
Score: 6.94984
Type of gen. func.: ogf

$$(2160 f(x) - 10609) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 6 x + 1)$$

Sequence: A144390
Score: 7.25736
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 9, a(2) = 23}

Sequence: A144391
Score: 13.5071
Type of gen. func.: ogf

$$\frac{x^2 - 4 x - 3}{(x - 1)^3}$$

Sequence: A144391
Score: 25.2666
Type of gen. func.: lgdogf

$$-\frac{x^2 - 6 x - 13}{(x - 1) (x^2 - 4 x - 3)}$$

Sequence: A144391
Score: 7.04215
Type of gen. func.: ogf

$$(1377 f(x) - 8047) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 4 x + 3)$$

Sequence: A144391
Score: 7.22747
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3, a(1) = 13, a(2) = 29\}$$

Sequence: A144396
Score: 10.4254
Type of gen. func.: ogf

$$(4 f(x) + 13) (f(x) x^2 - 2 f(x) x + f(x) + x - 3)$$

Sequence: A144396
Score: 10.9340
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 3, a(1) = 5\}$$

Sequence: A144396
Score: 19.9241
Type of gen. func.: ogf

$$-\frac{x - 3}{(x - 1)^2}$$

Sequence: A144396
Score: 26.6614
Type of gen. func.: revogf

$$-\frac{-3 - 2 x + (9 + 8 x)^{1/2}}{\quad}$$

$$2 (x + 1)$$

Sequence: A144396
Score: 48.8792
Type of gen. func.: lgdogf

$$-\frac{-5 + x}{(x - 1) (x - 3)}$$

Sequence: A144408
Score: 6.06609
Type of gen. func.: ogf

$$-\frac{x (6 x^7 - 5 x^6 + 8 x^5 + 6 x^4 - 8 x^3 + 4 x^2 + 4 x + 1)}{(x - 1) (x + 1) (x^2 + 1) (x^2 - x + 1) (x^4 - x^2 + 1)}$$

Sequence: A144410
Score: 18.4816
Type of gen. func.: ogf

$$-\frac{8 (x^2 + 7 x + 1)}{(x - 1)^3}$$

Sequence: A144410
Score: 35.3142
Type of gen. func.: lgdogf

$$-\frac{x^2 + 16 x + 10}{(x - 1) (x^2 + 7 x + 1)}$$

Sequence: A144410
Score: 9.96400
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 8, a(1) = 80, a(2) = 224\}$$

Sequence: A144410
Score: 9.96401
Type of gen. func.: ogf

$$(11 f(x) - 400) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 8 x^2 - f(x) + 56 x + 8)$$

Sequence: A144412
Score: 22.7379
Type of gen. func.: lgdogf

$$\frac{16 x^3 - 4 x - 1}{(x - 1) (4 x^3 + 4 x^2 + 2 x + 1)}$$

Sequence: A144412
Score: 5.86392
Type of gen. func.: ogf

$$\{a(n + 5), a(0) = 2, a(1) = 2, a(2) = 4, a(3) = 0, a(4) = -8\}$$

Sequence: A144412
Score: 7.22367
Type of gen. func.: ogf

$$-(f(x) - 5) (8 x^4 - 4 x^2 + f(x) - 2 x - 2)$$

Sequence: A144413
Score: 12.2097
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - x^2 - 4 x - 1}{(2 x + 1) (x^3 - 2 x^2 - 3 x - 1)}$$

Sequence: A144413
Score: 4.57866

Type of gen. func.: ogf

$$\{-a(n+3) - 3 a(n+2) - 2 a(n+1) + a(n), a(0) = 0, a(1) = 1, a(2) = -1\}$$

Sequence: A144413
Score: 8.23008
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^3 - 2 f(x) x^2 - 3 f(x) x + 2 x^2 - f(x) + x)$$

Sequence: A144413
Score: 8.91633
Type of gen. func.: ogf

$$-\frac{x (2 x + 1)}{x^3 - 2 x^2 - 3 x - 1}$$

Sequence: A144414
Score: 11.8320
Type of gen. func.: ogf

$$-\frac{2 x + 1}{(4 x - 1) (x - 1)^2}$$

Sequence: A144414
Score: 15.3639
Type of gen. func.: lgdogf

$$-\frac{2 (8 x^2 + 5 x - 4)}{(x - 1) (2 x + 1) (4 x - 1)}$$

Sequence: A144414
Score: 5.54954
Type of gen. func.: ogf

$$\{a(n+3) - 6 a(n+2) + 9 a(n+1) - 4 a(n), a(0) = 1, a(1) = 8, a(2) = 39\}$$

Sequence: A144414
Score: 5.5991
Type of gen. func.: ogf

$$(119817 f(x) - 93376) (4 f(x) x^3 - 9 f(x) x^2 + 6 f(x) x - f(x) + 2 x + 1)$$

Sequence: A144429
Score: 10.1537
Type of gen. func.: lgdogf

$$\frac{2 x^7 - 2 x^6 - 3 x^5 - 13 x^4 - 8 x^3 - 6 x^2 - 4 x - 2}{(x - 1) (x + 1) (x^2 + x + 1) (2 x^4 - x^3 + x^2 + 1)}$$

Sequence: A144429
Score: 11.4263
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x^4 - x^3 + x^2 + 1)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A144430
Score: 10.2523
Type of gen. func.: lgdogf

$$\frac{2 x^7 - 2 x^6 - 2 x^5 - 12 x^4 - 7 x^3 - 7 x^2 - 5 x - 3}{(x - 1) (x^2 + x + 1) (2 x^5 + x^4 - x^3 + x^2 + x + 2)}$$

Sequence: A144430
Score: 10.4495
Type of gen. func.: ogf

$$\frac{2 x^5 + x^4 - x^3 + x^2 + x + 2}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A144433
Score: 15.6723
Type of gen. func.: ogf

$$-\frac{x^3 - 3x - 8}{(x-1)^2 (x+1)^2}$$

Sequence: A144433
Score: 19.4805
Type of gen. func.: lgdogf

$$-\frac{x^4 - 6x^2 - 32x - 3}{(x-1)(x+1)(x^3 - 3x - 8)}$$

Sequence: A144433
Score: 7.63521
Type of gen. func.: ogf

$$\{(-n - 5) a(n + 1) + (n + 3) a(n + 3), a(0) = 8, a(1) = 3, a(2) = 16\}$$

Sequence: A144433
Score: 9.20947
Type of gen. func.: ogf

$$(144 f(x) + 575) (f(x) x^4 - 2 f(x) x^2 + x^3 + f(x) - 3 x - 8)$$

Sequence: A144437
Score: 10.2567
Type of gen. func.: ogf

$$\{a(n + 3) - a(n), a(0) = 3, a(1) = 3, a(2) = 1\}$$

Sequence: A144437
Score: 11.7608
Type of gen. func.: lgdogf

$$-\frac{x^4 + 6 x^3 + 9 x^2 + 2 x + 3}{(x - 1) (x^2 + x + 1) (x^2 + 3 x + 3)}$$

Sequence: A144437
Score: 15.9084
Type of gen. func.: ogf

$$-\frac{x^2 + 3 x + 3}{(x - 1) (x^2 + x + 1)}$$

Sequence: A144437
Score: 9.99373
Type of gen. func.: ogf

$$(15 f(x) - 101) (f(x) x^3 + x^2 - f(x) + 3 x + 3)$$

Sequence: A144449
Score: 12.9403
Type of gen. func.: ogf

$$\frac{8 (x^2 - 8 x - 2)}{(x - 1)^3}$$

Sequence: A144449
Score: 24.2572
Type of gen. func.: lgdogf

$$-\frac{x^2 - 14 x - 14}{(x - 1) (x^2 - 8 x - 2)}$$

Sequence: A144449
Score: 6.85078

Type of gen. func.: ogf

$$(255 f(x) - 33284) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 8 x^2 - f(x) + 64 x + 16)$$

Sequence: A144449
Score: 6.96788
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 16, a(1) = 112, a(2) = 280\}$$

Sequence: A144459
Score: 13.9771
Type of gen. func.: ogf

$$- \frac{8 x^2 + 21 x + 1}{(x - 1)^3}$$

Sequence: A144459
Score: 21.8319
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^2 + 29 x + 12)}{(x - 1) (8 x^2 + 21 x + 1)}$$

Sequence: A144459
Score: 6.93264
Type of gen. func.: ogf

$$(6288300 f(x) - 78143633)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 8 x^2 - f(x) + 21 x + 1)$$

Sequence: A144459
Score: 7.60158
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 24, a(2) = 77\}$$

Sequence: A144465
Score: 3.51291
Type of gen. func.: ogf

$$\frac{600814816032928 x^{18} - 343322752018816 x^{17} + 225 x^{2} - 135 x + 45}{1974105824108192 x^{18} - 343322752018816 x^{17} + 450 x^{2} - 315 x + 45}$$

Sequence: A144465
Score: 5.86233
Type of gen. func.: ogf

$$(-1 + 9 f(x)) (10 f(x) x^{2} - 7 f(x) x - 5 x^{2} + f(x) + 3 x - 1)$$

Sequence: A144468
Score: 8.27848
Type of gen. func.: ogf

$$- \frac{x (3 x^{8} + 6 x^{7} + 9 x^{6} + 2 x^{5} + 5 x^{4} + 8 x^{3} + x^{2} + 4 x + 7)}{(x - 1) (x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A144471
Score: 11.0976
Type of gen. func.: ogf

$$\frac{9 x^{3} + 7 x^{2} + 6 x + 1}{(x^{2} + x + 1) (2 x + 1)}$$

Sequence: A144471
Score: 12.2378
Type of gen. func.: lgdogf

$$\frac{13 x^{4} + 30 x^{3} + 24 x^{2} + 8 x + 3}{\quad}$$

2 3 2

```
                (2 x + 1) (x  + x + 1) (9 x  + 7 x  + 6 x + 1)
```

Sequence: A144471
Score: 5.75741
Type of gen. func.: ogf

```
{-a(n + 4) - 3 a(n + 3) - 3 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 3,

    a(2) = -5, a(3) = 13}
```

Sequence: A144471
Score: 6.17528
Type of gen. func.: ogf

```
(831 f(x) - 1475)

             3            2      3                  2
    (2 f(x) x  + 3 f(x) x  - 9 x  + 3 f(x) x - 7 x  + f(x) - 6 x - 1)
```

Sequence: A144472
Score: 14.4478
Type of gen. func.: ogf

```
                                        2
                                     9 x  + 3 x - 1
                                - -----------------
                                   (x + 1) (2 x - 1)
```

Sequence: A144472
Score: 17.1647
Type of gen. func.: lgdogf

```
                                       2
                                    3 x  - 14 x - 2
                         ----------------------------------
                                                  2
                         (2 x - 1) (x + 1) (9 x  + 3 x - 1)
```

Sequence: A144472
Score: 7.50722
Type of gen. func.: ogf

```
       {-a(n + 3) + a(n + 2) + 2 a(n + 1), a(0) = -1, a(1) = 2, a(2) = 9}
```

Sequence: A144472
Score: 7.89418
Type of gen. func.: ogf

$$-(4 f(x) + 5) (2 f(x) x^2 + f(x) x + 9 x^2 - f(x) + 3 x - 1)$$

Sequence: A144476
Score: 4.25610
Type of gen. func.: ogf

$$-\frac{2 x^7 - 3 x^6 + 3 x^5 + 3 x^4 - 3 x^3 + x^2 - x - 1}{x^8 - x^4 + 1}$$

Sequence: A144478
Score: 4.50369
Type of gen. func.: ogf

$$-\frac{8 x^8 + 3 x^7 + 4 x^6 + 2 x^5 + 6 x^4 + 7 x^3 + 5 x^2 + 1}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A144479
Score: 14.3795
Type of gen. func.: revogf

$$-\frac{-1 - 8 x + (60 x^2 - 4 x + 1)^{1/2}}{2 (5 + x)}$$

Sequence: A144479
Score: 16.1421
Type of gen. func.: ogf

$$-\frac{5 x - 1}{x^2 - 8 x + 1}$$

Sequence: A144479
Score: 16.9171
Type of gen. func.: lgdogf

$$-\frac{5x^2-2x+3}{(5x-1)(x^2-8x+1)}$$

Sequence: A144479
Score: 7.98236
Type of gen. func.: ogf

$$-(22 f(x) - 13) (f(x) x^2 - 8 f(x) x + f(x) + 5 x - 1)$$

Sequence: A144479
Score: 8.85846
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A144483
Score: 4.64599
Type of gen. func.: ogf

$$-\frac{3x^8+3x^7+5x^6+6x^4+5x^3+6x^2+5}{(x-1)(x^2+x+1)(x^6+x^3+1)}$$

Sequence: A144485
Score: 10.0502
Type of gen. func.: ogf

$$2\ \mathrm{hypergeom}([4/3, 5/3], [3/2], \frac{27x}{4})$$

Sequence: A144485
Score: 4.86806
Type of gen. func.: ogf

$$\{(27 n^2 + 135 n + 168) a(n + 1) + (-4 n^2 - 18 n - 20) a(n + 2), a(0) = 2, a(1) = 20\}$$

Sequence: A144485
Score: 4.94534
Type of gen. func.: ogf

$$-19683 x^4 f(x)^3 + 8748 x^3 f(x)^3 - 1296 f(x)^3 x^2 + 64 f(x)^3 x - 216 f(x) x - 4 f(x) + 8$$

Sequence: A144495
Score: 3.12535
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) + (n^2 + 8 n + 15) a(n + 2) + (-2 n^2 - 21 n - 52) a(n + 3) + (2 n + 8) a(n + 4), a(0) = 2, a(1) = 7, a(2) = 30, a(3) = 155\}$$

Sequence: A144495
Score: 30.1805
Type of gen. func.: lgdegf]

$$\frac{x^2 - 5 x + 7}{(x - 1) (-2 + x)}$$

Sequence: A144496
Score: 18.8416
Type of gen. func.: lgdegf]

$$\frac{x^3 - 9 x^2 + 30 x - 37}{(x - 1) (x^2 - 5 x + 7)}$$

Sequence: A144497

Score: 12.7768
Type of gen. func.: lgdegf]

$$\frac{x^4 - 14 x^3 + 81 x^2 - 229 x + 266}{(x - 1) (x^3 - 9 x^2 + 30 x - 37)}$$

Sequence: A144497
Score: 4.15587
Type of gen. func.: ogf

$$\{(n + 2) a(n + 1) - a(n + 2) + (-n - 10) a(n + 3) + a(n + 4), a(0) = 37, a(1) = 266, a(2) = 2165, a(3) = 19714\}$$

Sequence: A144498
Score: 10.7757
Type of gen. func.: lgdegf]

$$\frac{-4 x^2 - 8 x + 2 + (-(3 + 2 x)^2 (2 x - 1)^3)^{1/2}}{(4 x^2 + 2 x - 1) (2 x - 1)}$$

Sequence: A144498
Score: 3.35139
Type of gen. func.: ogf

$$\{(-3 - n) a(n + 1) + (-2 n^2 - 12 n - 21) a(n + 2) + (-2 n^2 - 16 n - 35) a(n + 3) + (n + 4) a(n + 4), a(0) = 1, a(1) = 5, a(2) = 30, a(3) = 229\}$$

Sequence: A144503
Score: 3.41615
Type of gen. func.: ogf

$$\{(n + 2) a(n + 1) + (2 n^2 + 7 n + 7) a(n + 2) + (-2 n^2 - 9 n - 8) a(n + 3) + (n + 1) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 20\}$$

Sequence: A144506
Score: 4.18065
Type of gen. func.: ogf

$$\{(2 n^2 - n) a(n) + (4 n^3 - 12 n^2 + 17 n - 9) a(n + 1) + (-2 n^2 + 7 n - 6) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 1\}$$

Sequence: A144507
Score: 3.72243
Type of gen. func.: ogf

$$\{(n^2 - n) a(n) + (2 n^3 - 9 n^2 + 17 n - 12) a(n + 1) + (-n^2 + 5 n - 6) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 1\}$$

Sequence: A144513
Score: 3.22297
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 1) + (-2 n^2 - 14 n - 29) a(n + 2) + (-2 n^2 - 18 n - 45) a(n + 3) + (n + 4) a(n + 4), a(0) = 2, a(1) = 18, a(2) = 162, a(3) = 1670\}$$

Sequence: A144514
Score: 3.08392
Type of gen. func.: ogf

$$\{(-n - 5) a(n + 1) + (-2 n^2 - 16 n - 38) a(n + 2) + (-2 n^2 - 20 n - 56) a(n + 3) + (n + 4) a(n + 4), a(0) = 6, a(1) = 84, a(2) = 1050, a(3) = 13980\}$$

Sequence: A144516
Score: 18.5025
Type of gen. func.: lgdogf

$$-\frac{7 (2 x^2 + 20 x + 5)}{(x - 1) (2 x^2 + 17 x + 2)}$$

Sequence: A144516
Score: 3.49635
Type of gen. func.: ogf

$$\{(993 n^2 + 7145 n + 7122) a(n + 1) + (8658 n^2 + 96086 n + 147490) a(n + 2) + (-9651 n^2 - 18079 n - 8428) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 10\}$$

Sequence: A144516
Score: 5.54499
Type of gen. func.: ogf

$$-\frac{5 x^2 (2 x^2 + 17 x + 2)}{(x - 1)^9}$$

Sequence: A144532
Score: 10.1879
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 2), a(0) = 0, a(1) = 1, a(2) = 16, a(3) = 2\}$$

Sequence: A144532
Score: 10.5165
Type of gen. func.: ogf

$$-(15811 f(x) + 256032) (f(x) x^2 + x^3 + 16 x^2 - f(x) + x)$$

Sequence: A144532
Score: 18.1117
Type of gen. func.: ogf

$$x (x^2 + 16 x + 1)$$

$$-\frac{\qquad}{(x-1)(x+1)}$$

Sequence: A144532
Score: 24.7343
Type of gen. func.: lgdogf

$$-\frac{4(4x^2+x+4)}{(x-1)(x+1)(x^2+16x+1)}$$

Sequence: A144533
Score: 10.1872
Type of gen. func.: lgdogf

$$-\frac{2(x^5-24x^4-2x^3+272x^2+33x+8)}{(x^2+6x+1)(x^2-6x+1)(x^2-16x-1)}$$

Sequence: A144533
Score: 11.9555
Type of gen. func.: ogf

$$-\frac{x(x^2-16x-1)}{(x^2+6x+1)(x^2-6x+1)}$$

Sequence: A144533
Score: 6.78557
Type of gen. func.: ogf

$$-(35872 f(x)+16129)(f(x)x^4-34 f(x)x^2+x^3-16x^2+f(x)-x)$$

Sequence: A144534
Score: 11.3366
Type of gen. func.: ogf

$$x^3-17x^2+x+1$$

$$\frac{}{(x^2+6x+1)(x^2-6x+1)}$$

Sequence: A144534
Score: 6.90504
Type of gen. func.: ogf

$$(20178 f(x) - 9271) (f(x) x^4 - 34 f(x) x^2 - x^3 + 17 x^2 + f(x) - x - 1)$$

Sequence: A144534
Score: 9.10783
Type of gen. func.: lgdogf

$$-\frac{x^6 - 34 x^5 + 37 x^4 + 4 x^3 - 37 x^2 - 34 x - 1}{(x^2 - 6 x + 1) (x^2 + 6 x + 1) (x^3 - 17 x^2 + x + 1)}$$

Sequence: A144535
Score: 10.7821
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 9 x^4 - 2 x^3 + 42 x^2 + 13 x + 3)}{(x^2 + 4 x + 1) (x^2 - 4 x + 1) (x^2 - 6 x - 1)}$$

Sequence: A144535
Score: 12.3328
Type of gen. func.: ogf

$$-\frac{x (x^2 - 6 x - 1)}{(x^2 - 4 x + 1) (x^2 + 4 x + 1)}$$

Sequence: A144535
Score: 7.14611
Type of gen. func.: ogf

$$^{4}\qquad\qquad ^{2}\quad ^{3}\qquad ^{2}$$

```
        -(2172 f(x) + 829) (f(x) x  - 14 f(x) x  + x  - 6 x  + f(x) - x)
```

Sequence: A144536
Score: 11.6853
Type of gen. func.: ogf

```
                                3      2
                               x  - 7 x  + x + 1
                          -----------------------------
                            2              2
                          (x  - 4 x + 1) (x  + 4 x + 1)
```

Sequence: A144536
Score: 7.20772
Type of gen. func.: ogf

```
                               4              2    3      2
      (1448 f(x) - 561) (f(x) x  - 14 f(x) x  - x  + 7 x  + f(x) - x - 1)
```

Sequence: A144536
Score: 9.35856
Type of gen. func.: lgdogf

```
                   6       5       4      3       2
                  x  - 14 x  + 17 x  + 4 x  - 17 x  - 14 x - 1
               - ---------------------------------------------------
                   2               2              3      2
                 (x  - 4 x + 1) (x  + 4 x + 1) (x  - 7 x  + x + 1)
```

Sequence: A144537
Score: 5.75181
Type of gen. func.: ogf

```
                   5        4         3         2
                  x  - 178 x  + 4449 x  - 5995 x  + 574 x - 3
                  -------------------------------------------
                              2                2
                   (x - 1) (x  - 14 x + 1) (x  - 194 x + 1)
```

Sequence: A144555
Score: 14.0248
Type of gen. func.: ogf

```
                                  14 (x + 1) x
                                - ------------
                                           3
```

$$(x - 1)$$

Sequence: A144555
Score: 39.1565
Type of gen. func.: ogf_with_Euler_transform]

$$[4 - x]$$

Sequence: A144555
Score: 40.8090
Type of gen. func.: lgdogf

$$-\frac{2\,(x + 2)}{(x - 1)\,(x + 1)}$$

Sequence: A144555
Score: 7.32269
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 0,\ a(1) = 14,\ a(2) = 56\}$$

Sequence: A144555
Score: 7.59141
Type of gen. func.: ogf

$$(2\,f(x) + 7)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 14\,x^2 - f(x) + 14\,x)$$

Sequence: A144558
Score: 9.85455
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^7 - x^6 + 2\,x^5 - x^4 - 2\,x^3 - x^2 + 2\,x - 1}{-x^8 + 1}$$

Sequence: A144560
Score: 12.0225
Type of gen. func.: ogf

$$-\frac{10\,x\,(3\,x+1)}{(x-1)^{3}}$$

Sequence: A144560
Score: 31.7462
Type of gen. func.: lgdogf

$$-\frac{6\,(x+1)}{(3\,x+1)\,(x-1)}$$

Sequence: A144560
Score: 6.01127
Type of gen. func.: ogf

$$-(536\,f(x) - 6825)\,(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x + 30\,x^{2} - f(x) + 10\,x)$$

Sequence: A144560
Score: 6.27726
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 0,\ a(1) = 10,\ a(2) = 60\}$$

Sequence: A144564
Score: 3.03924
Type of gen. func.: ogf

$$\{a(n+4) - 101\,a(n+3) + 100\,a(n+2),\ a(0) = 1,\ a(1) = 101,\ a(2) = 10101,\ a(3) = 1011101\}$$

Sequence: A144564
Score: 3.83592
Type of gen. func.: ogf

$$(9801\,f(x) + 12521)\,(100\,f(x)\,x^{2} - 1000\,x^{3} - 101\,f(x)\,x + f(x) - 1)$$

Sequence: A144564
Score: 7.05538
Type of gen. func.: ogf

$$\frac{(100 x^2 - 10 x + 1) (10 x + 1)}{(100 x - 1) (x - 1)}$$

Sequence: A144575
Score: 21.0609
Type of gen. func.: lgdegf]

$$-1 - 9 x^2 - 6 x + (-3 x^2 - 2 x + 1) f(x)^2$$

Sequence: A144576
Score: 21.5148
Type of gen. func.: lgdegf]

$$1 + 16 x^2 + 8 x + (4 x^2 + 2 x - 1) f(x)^2$$

Sequence: A144595
Score: 10.1415
Type of gen. func.: ogf

$$- \frac{x^2 (x^8 + x^6 + x^3 + 1)}{(x - 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A144596
Score: 12.4422
Type of gen. func.: ogf

$$- \frac{x^4 (x^4 + 1)}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A144596
Score: 17.3692

Type of gen. func.: lgdogf

$$-\frac{x^3\,(5\,x^9+9\,x^5+4)}{(x-1)\,(x^2+x+1)\,(x^6+x^3+1)\,(x^4+1)}$$

Sequence: A144596
Score: 18.4368
Type of gen. func.: ogf_with_Euler_transform]

$$x^8-x^7+x^3$$

Sequence: A144597
Score: 10.2387
Type of gen. func.: lgdogf

$$-x^2\,(4\,x^{13}+7\,x^{10}+10\,x^7+6\,x^3+3)\;\Big/\;((x-1)\,(x+1)\,(x^4+x^3+x^2+x+1)\,(x^4-x^3+x^2-x+1)\,(x^6+x^3+1))$$

Sequence: A144597
Score: 11.1534
Type of gen. func.: ogf

$$-\frac{x^3\,(x^6+x^3+1)}{(x-1)\,(x+1)\,(x^4+x^3+x^2+x+1)\,(x^4-x^3+x^2-x+1)}$$

Sequence: A144597
Score: 19.5627
Type of gen. func.: ogf_with_Euler_transform]

$$x^9-x^8+x^2$$

Sequence: A144598
Score: 7.31337
Type of gen. func.: lgdogf

$$- x (3 x^{19} + 5 x^{17} + 7 x^{15} + 10 x^{12} + 12 x^{10} + 9 x^{7} + 7 x^{5} + 5 x^{3} + 2) / ((x - 1) (x + 1) (x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x^{9} + x^{7} + x^{5} + x^{2} + 1))$$

Sequence: A144598
Score: 9.36997
Type of gen. func.: ogf

$$- \frac{x^{2} (x^{9} + x^{7} + x^{5} + x^{2} + 1)}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1)}$$

Sequence: A144599
Score: 23.3718
Type of gen. func.: ogf_with_Euler_transform]

$$x^{12} - x^{11} + x$$

Sequence: A144599
Score: 8.64307
Type of gen. func.: ogf

$$- \frac{x^{2} (x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1)}{(x - 1) (x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A144600
Score: 11.3155
Type of gen. func.: ogf

$$- \frac{x^{6} (x^{2} + 1) (x^{4} - x^{2} + 1)}{(x - 1) (x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A144600
Score: 9.63047
Type of gen. func.: lgdogf

$$- x^{5} (7 x^{13} + 13 x^{7} + 6) / ((x - 1) (x^{2} + 1) (x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{2} + 1))$$

Sequence: A144601
Score: 10.2545
Type of gen. func.: ogf

$$- x^{4} (x^{9} + x^{5} + 1) / ((x - 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x + 1) (x^{6} - x^{5} + x^{4} - x^{3} + x^{2} - x + 1))$$

Sequence: A144601
Score: 8.76286
Type of gen. func.: lgdogf

$$- x^{4} (5 x^{18} + 9 x^{14} + 14 x^{9} + 9 x^{4} + 5) / ((x - 1) (x + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x^{6} - x^{5} + x^{4} - x^{3} + x^{2} - x + 1) (x^{9} + x^{5} + 1))$$

Sequence: A144602
Score: 7.59904
Type of gen. func.: lgdogf

$$- x^{3} (4 x^{22} + 7 x^{19} + 11 x^{15} + 15 x^{11} + 11 x^{7} + 8 x^{4} + 4) / ((x - 1) (x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{8} - x^{7} + x^{5} - x^{4} + x^{3} - x + 1) (x^{11} + x^{8} + x^{4} + 1))$$

Sequence: A144602
Score: 9.30793
Type of gen. func.: ogf

$$-x^3 (x^{11} + x^8 + x^4 + 1) / ((x - 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1) (x^8 - x^7 + x^5 - x^4 + x^3 - x + 1))$$

Sequence: A144603
Score: 17.1109
Type of gen. func.: ogf_with_Euler_transform]

$$x^2 + x^{14} (x - 1)$$

Sequence: A144603
Score: 8.57308
Type of gen. func.: ogf

$$-\frac{x^3 (x^4 + x^3 + x^2 + x + 1) (x^8 - x^7 + x^5 - x^4 + x^3 - x + 1)}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1) (x^8 + 1)}$$

Sequence: A144604
Score: 7.93911
Type of gen. func.: ogf

$$-x^2 (x^2 + 1) (x^{12} + x^7 - x^5 + x^4 + x^3 - x^2 + 1) / ((x - 1) (x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1))$$

Sequence: A144605
Score: 7.32751
Type of gen. func.: ogf

$$-\frac{x^2 (x^{15} + x^{13} + x^{10} + x^8 + x^5 + x^3 + 1)}{}$$

$$(x-1)(x+1)(x^2+x+1)(x^6+x^3+1)(x^2-x+1)(x^6-x^3+1)$$

Sequence: A144606
Score: 6.93531
Type of gen. func.: ogf

$$-x^2(x^{16}+x^{14}+x^{12}+x^9+x^7+x^5+x^2+1) \Big/ ((x-1)(x^{18}+x^{17}+x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1))$$

Sequence: A144607
Score: 6.49877
Type of gen. func.: ogf

$$-x^2(x^{17}+x^{15}+x^{13}+x^{11}+x^9+x^6+x^4+x^2+1) \Big/ ((x-1)(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x^2+1)(x^8-x^6+x^4-x^2+1))$$

Sequence: A144608
Score: 23.6714
Type of gen. func.: ogf_with_Euler_transform]

$$x^{20}-x^{19}+x$$

Sequence: A144615
Score: 20.0168
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4x-2}{x^2+x+1}$$

Sequence: A144616
Score: 12.2026
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^{2}$$

Sequence: A144619
Score: 18.0389
Type of gen. func.: ogf

$$\frac{11 x + 8}{(x - 1)^{2}}$$

Sequence: A144619
Score: 9.32349
Type of gen. func.: ogf

$$(38 f(x) + 425) (f(x) x^{2} - 2 f(x) x + f(x) - 11 x - 8)$$

Sequence: A144619
Score: 9.46406
Type of gen. func.: lgdogf

$$\frac{420 x^{16} - 1260 x^{15} + 1260 x^{14} - 420 x^{13} + 11 x + 27}{(x - 1) (30 x^{16} - 60 x^{15} + 30 x^{14} - 11 x - 8)}$$

Sequence: A144619
Score: 9.99748
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 8, a(1) = 27\}$$

Sequence: A144635
Score: 27.7785
Type of gen. func.: lgdogf

$$- \frac{-7 + 30 x}{}$$

$$(5 x - 1) (4 x - 1)$$

Sequence: A144635
Score: 4.95281
Type of gen. func.: ogf

$$\{(-3 - n) a(n + 3) + (25 + 9 n) a(n + 2) + (-50 - 20 n) a(n + 1), a(0) = 1, a(1) = 7, a(2) = 41\}$$

Sequence: A144635
Score: 8.97333
Type of gen. func.: ogf

$$100 f(x)^2 x^3 - 65 f(x)^2 x^2 + 14 f(x)^2 x - f(x)^2 + 1$$

Sequence: A144636
Score: 10.9842
Type of gen. func.: egf]

$$6 x - 6 f(x) - 3 f(x)^2 - f(x)^3$$

Sequence: A144636
Score: 33.8479
Type of gen. func.: revegf]

$$\frac{x (x^2 + 3 x + 6)}{6}$$

Sequence: A144637
Score: 4.19899
Type of gen. func.: ogf

$$\{(-54 n^3 + 9 n^2 + 33 n - 10) a(n) + (-72 n^2 - 24 n + 21) a(n + 1) + (-30 n + 5) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A144637
Score: 9.57371
Type of gen. func.: egf]

$$-2 f(x)^3 - 3 f(x)^2 - 18 f(x) x + 9 x^2 - 18 f(x)$$

Sequence: A144638
Score: 4.60144
Type of gen. func.: ogf

$$\{(-9 n^2 - 18 n - 5) a(n + 1) + (-12 n - 18) a(n + 2) - 5 a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$$

Sequence: A144638
Score: 6.38398
Type of gen. func.: egf]

$$-2 f(x)^3 + 6 f(x)^2 x - 6 f(x) x^2 + 2 x^3 + 9 f(x)^2 - 18 f(x) x - 12 f(x)$$

Sequence: A144639
Score: 5.89257
Type of gen. func.: egf]

$$3 x^4 - 32 f(x)^3 - 96 f(x)^2 x - 84 f(x) x^2 - 84 f(x)^2 - 144 f(x) x - 72 f(x)$$

Sequence: A144640
Score: 11.6251
Type of gen. func.: ogf

$$-\frac{(2 x + 1) (x - 3)}{(x - 1)^4}$$

Sequence: A144640
Score: 21.2778
Type of gen. func.: lgdogf

$$4 x^2 - 11 x - 17$$

```
                          - ---------------------------
                            (x - 1) (2 x + 1) (x - 3)



------------------------------------------------------------------------------

Sequence:  A144640
Score: 3.95138
Type of gen. func.: ogf


{(-3 n - 12) a(n + 4) + (11 - 2 n) a(n + 3) + (25 + 7 n) a(n + 2)

     + (-2 n - 6) a(n + 1), a(0) = 3, a(1) = 17, a(2) = 48, a(3) = 102}



------------------------------------------------------------------------------

Sequence:  A144640
Score: 5.64881
Type of gen. func.: ogf


(5232384 f(x) + 46527791)

           4           3           2                 2
    (f(x) x  - 4 f(x) x  + 6 f(x) x  - 4 f(x) x + 2 x  + f(x) - 5 x - 3)



------------------------------------------------------------------------------

Sequence:  A144647
Score: 3.37210
Type of gen. func.: ogf


{-a(n + 1) + (-2 n - 2) a(n + 2) + (2 n + 10) a(n + 3) - a(n + 4), a(0) = 1,

    a(1) = 4, a(2) = 25, a(3) = 199}



------------------------------------------------------------------------------

Sequence:  A144656
Score: 3.24758
Type of gen. func.: ogf


                       3      2
{(n + 2) a(n + 1) + (-n  - 4 n  - 6 n - 3) a(n + 2)

          3      2
     + (-n  - 5 n  - 9 n - 6) a(n + 3) + (n + 1) a(n + 4), a(0) = 0, a(1) = 1,

    a(2) = 0, a(3) = 1}



------------------------------------------------------------------------------

Sequence:  A144659
Score: 4.00516
Type of gen. func.: ogf


   2                            3       2
{(n  + 7 n + 12) a(n + 1) + (2 n  + 15 n  + 41 n + 40) a(n + 2)
```

$+ (-n^2 - 3 n - 2) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 3\}$

Sequence: A144677
Score: 10.8343
Type of gen. func.: ogf

$$\frac{1}{(x^2 + x + 1)^2 (x - 1)^4}$$

Sequence: A144677
Score: 14.8555
Type of gen. func.: lgdogf

$$36 + 144 x^2 + 36 x + (18 x^3 + 8 x^2 + 2 x - 16) f(x) + (x^3 - 1) f(x)^2$$

Sequence: A144677
Score: 34.9386
Type of gen. func.: ogf_with_Euler_transform]

$$[2 x^2 + 2]$$

Sequence: A144677
Score: 5.35107
Type of gen. func.: ogf

$\{(-n - 4) a(n + 4) + 2 a(n + 3) + 2 a(n + 2) + (9 + n) a(n + 1), a(0) = 1,$

$a(1) = 2, a(2) = 3, a(3) = 6\}$

Sequence: A144678
Score: 10.5070
Type of gen. func.: ogf

$$\frac{1}{(x + 1)^2 (x^2 + 1)^2 (x - 1)^4}$$

Sequence: A144678
Score: 19.6639
Type of gen. func.: lgdogf

$$-a(n + 4) + a(n), a(0) = 2, a(1) = 2, a(2) = 2, a(3) = 10$$

Sequence: A144678
Score: 34.3052
Type of gen. func.: ogf_with_Euler_transform]

$$[2 x^3 + 2]$$

Sequence: A144679
Score: 10.6345
Type of gen. func.: ogf

$$\frac{1}{(x^4 + x^3 + x^2 + x + 1)^2 (x - 1)^4}$$

Sequence: A144679
Score: 19.0664
Type of gen. func.: lgdogf

$$- \frac{2 (6 x^4 + x^3 + x^2 + x + 1)}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A144679
Score: 35.5788
Type of gen. func.: ogf_with_Euler_transform]

$$[2 x^4 + 2]$$

Sequence: A144689
Score: 6.75786
Type of gen. func.: ogf

$$-(2x^{19}+x^{18}+x^{15}-2x^{14}-x^{13}+5x^{9}-3x^{8}+2x^{7}-3x^{3}-x^{2}+5x+1)\Big/((x-1)(x^{2}+1)(x^{4}-x^{2}+1)(x^{12}-x^{6}+1))$$

Sequence: A144700
Score: 8.24485
Type of gen. func.: ogf

$$-f(x)^{2}x^{4}+f(x)x^{2}-2f(x)x+f(x)+x-1$$

Sequence: A144701
Score: 5.28968
Type of gen. func.: ogf

$$-\frac{(x-1)(x+1)(x^{2}-5x+1)}{(x^{2}+x+1)^{4}}$$

Sequence: A144701
Score: 9.78612
Type of gen. func.: lgdogf

$$-\frac{4x^{5}-25x^{4}-9x^{3}+50x^{2}+7x-9}{(x-1)(x+1)(x^{2}+x+1)(x^{2}-5x+1)}$$

Sequence: A144704
Score: 10.7719
Type of gen. func.: ogf

$$-\frac{12x-1}{(4x-1)^{2}}$$

Sequence: A144704
Score: 15.3115
Type of gen. func.: revogf

$$-\frac{-1 - 8 x + (1 - 32 x)^{1/2}}{8 (3 + 4 x)}$$

Sequence: A144704
Score: 5.5635
Type of gen. func.: ogf

$$-(8 f(x) - 7) (16 f(x) x^2 - 8 f(x) x + f(x) + 12 x - 1)$$

Sequence: A144704
Score: 6.09973
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 16 a(n), a(0) = 1, a(1) = -4\}$$

Sequence: A144706
Score: 12.9051
Type of gen. func.: lgdogf

$$-\frac{6 (3 + 2 (-4 x + 1)^{1/2})}{(16 x + 5) (4 x - 1)}$$

Sequence: A144706
Score: 5.50592
Type of gen. func.: ogf

$$\{(-4 n - 2) a(n) + (n + 1) a(n + 1), a(0) = 1, a(1) = 6\}$$

Sequence: A144706
Score: 6.69074
Type of gen. func.: ogf

$$-4 f(x)^2 x + f(x)^2 - 16 f(x) x + 4 f(x) - 16 x - 5$$

Sequence: A144707

Score: 5.53216
Type of gen. func.: ogf

$$(47 f(x) - 116)$$

$$(f(x) x^4 + f(x) x^3 - 2 x^4 - 2 f(x) x^2 - 4 x^3 - f(x) x + x^2 + f(x) - 1)$$

Sequence: A144707
Score: 8.01025
Type of gen. func.: lgdogf

$$- \frac{2 x^6 + 6 x^5 + 13 x^4 + 4 x^3 - 10 x^2 - 2 x - 1}{(x - 1) (x + 1) (x^2 + x - 1) (2 x^4 + 4 x^3 - x^2 + 1)}$$

Sequence: A144707
Score: 9.83496
Type of gen. func.: ogf

$$\frac{2 x^4 + 4 x^3 - x^2 + 1}{(x - 1) (x + 1) (x^2 + x - 1)}$$

Sequence: A144708
Score: 11.8391
Type of gen. func.: ogf

$$- \frac{30 x - 1}{(6 x - 1)^2}$$

Sequence: A144708
Score: 15.6282
Type of gen. func.: revogf

$$- \frac{-12 x - 1 + (-96 x + 1)^{1/2}}{12 (5 + 6 x)}$$

Sequence: A144708
Score: 21.0172
Type of gen. func.: lgdogf

$$-\frac{18 (10 x + 1)}{(30 x - 1) (6 x - 1)}$$

Sequence: A144708
Score: 6.0455
Type of gen. func.: ogf

$$-(40 f(x) + 41) (36 f(x) x^2 - 12 f(x) x + f(x) + 30 x - 1)$$

Sequence: A144708
Score: 6.68561
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 36 a(n), a(0) = 1, a(1) = -18\}$$

Sequence: A144720
Score: 13.7716
Type of gen. func.: ogf

$$-\frac{5 x - 2}{x^2 - 4 x + 1}$$

Sequence: A144720
Score: 17.3431
Type of gen. func.: lgdogf

$$-\frac{5 x^2 - 4 x + 3}{(5 x - 2) (x^2 - 4 x + 1)}$$

Sequence: A144720
Score: 18.3942
Type of gen. func.: revogf

2 1/2

$$-\frac{-1 - 2 x + (3 x - x + 1)}{5 + x}$$

Sequence: A144720
Score: 6.96315
Type of gen. func.: ogf

$$-(8 f(x) - 7) (f(x) x^2 - 4 f(x) x + f(x) + 5 x - 2)$$

Sequence: A144720
Score: 7.55756
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + a(n), a(0) = 2, a(1) = 3\}$$

Sequence: A144721
Score: 16.6525
Type of gen. func.: ogf

$$-\frac{3 x - 2}{x^2 - 4 x + 1}$$

Sequence: A144721
Score: 18.2271
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 4 x + 5}{(3 x - 2) (x^2 - 4 x + 1)}$$

Sequence: A144721
Score: 18.7794
Type of gen. func.: revogf

$$-\frac{-1 - 2 x + (3 x^2 + x + 1)^{1/2}}{x + 3}$$

Sequence: A144721
Score: 8.32625
Type of gen. func.: ogf

$$-(16 f(x) - 7) (f(x) x^{2} - 4 f(x) x + f(x) + 3 x - 2)$$

Sequence: A144721
Score: 9.13857
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + a(n), a(0) = 2, a(1) = 5\}$$

Sequence: A144739
Score: 12.4767
Type of gen. func.: revegf]

$$-\frac{(-4 x + 1)^{3/4}}{7} + \frac{4 (-4 x + 1)^{3/4} x}{7} + 1/7$$

Sequence: A144739
Score: 34.9346
Type of gen. func.: lgdegf]

$$-3 + (-7 x + 1) f(x)$$

Sequence: A144739
Score: 6.01247
Type of gen. func.: ogf

$$\{(-7 n - 10) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A144750
Score: 7.81901
Type of gen. func.: ogf

$$-\frac{8 x^{7} + 4 x^{6} - 3 x^{5} - 8 x^{4} - 7 x^{3} + 6 x^{2} + 8 x + 1}{{}^{6} \quad {}^{3}}$$

$$(x - 1) (x + 1) (x - x + 1)$$

Sequence: A144751
Score: 5.22552
Type of gen. func.: ogf

$$- (4 x^{11} - 12 x^{10} - 8 x^{9} - 24 x^{8} - 56 x^{7} - 72 x^{6} - 43 x^{5} - 39 x^{4} - 19 x^{3} - 15 x^{2} - 7 x - 3) / ((x - 1) (x + 1) (2 x^{3} - 1) (2 x^{3} + 1) (x^{2} + x + 1) (x^{2} - x + 1))$$

Sequence: A144756
Score: 11.6654
Type of gen. func.: lgdegf]

$$9 + (-6 + 48 x) f(x) + (64 x^{2} - 16 x + 1) f(x)^{2}$$

Sequence: A144756
Score: 5.26397
Type of gen. func.: ogf

$$\{(-8 n - 11) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A144758
Score: 11.2191
Type of gen. func.: revegf]

$$- \frac{(-6 x + 1)^{1/2}}{9} + \frac{2 (-6 x + 1)^{1/2} x}{3} + 1/9$$

Sequence: A144758
Score: 14.7327
Type of gen. func.: egf]

$$-9 f(x)^{3} x + f(x)^{3} - 1$$

```
------------------------------------------------------------------------------

Sequence:  A144758
Score: 47.1201
Type of gen. func.: lgdegf]


                                        3
                                   - -------
                                     9 x - 1



------------------------------------------------------------------------------

Sequence:  A144758
Score: 5.41610
Type of gen. func.: ogf


             {(-9 n - 12) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 3}



------------------------------------------------------------------------------

Sequence:  A144772
Score: 10.7032
Type of gen. func.: revegf]


                              1/8                1/8
                     (-8 x + 1)      8 (-8 x + 1)    x
                   - ------------- + ---------------- + 1/9
                           9                  9



------------------------------------------------------------------------------

Sequence:  A144772
Score: 29.9691
Type of gen. func.: lgdegf]


                              -1 + (-9 x + 1) f(x)



------------------------------------------------------------------------------

Sequence:  A144772
Score: 5.17267
Type of gen. func.: ogf


             {(-9 n - 10) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 1}



------------------------------------------------------------------------------

Sequence:  A144773
Score: 10.0499
Type of gen. func.: revegf]


                              1/9                1/9
                     (-9 x + 1)      9 (-9 x + 1)    x
                   - ------------- + ---------------- + 1/10
```

10 10

Sequence: A144773
Score: 28.2653
Type of gen. func.: lgdegf]

$$-1 + (1 - 10 x) f(x)$$

Sequence: A144773
Score: 5.14530
Type of gen. func.: ogf

$$\{(-10 n - 11) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A144796
Score: 3.91163
Type of gen. func.: ogf

$$-(107765045848 f(x) - 95288396093)$$

$$(f(x) x^{4} - 1154 f(x) x^{2} + 23 x^{3} + 1253 x^{2} + f(x) - 215 x - 5)$$

Sequence: A144796
Score: 7.13608
Type of gen. func.: ogf

$$-\frac{23 x^{3} + 1253 x^{2} - 215 x - 5}{(x^{2} - 34 x + 1) (x^{2} + 34 x + 1)}$$

Sequence: A144797
Score: 11.8257
Type of gen. func.: ogf

$$\frac{2 (x + 1) (x^{2} + x + 1)}{(x^{2} + 2 x - 1) (x^{2} - 2 x - 1)}$$

Sequence: A144797
Score: 7.25161
Type of gen. func.: ogf

$$(2380 f(x) - 751) (f(x) x^4 - 6 f(x) x^2 - 2 x^3 - 4 x^2 + f(x) - 4 x - 2)$$

Sequence: A144827
Score: 11.4415
Type of gen. func.: lgdegf]

$$16 + (-8 + 56 x) f(x) + (49 x^2 - 14 x + 1) f(x)^2$$

Sequence: A144827
Score: 5.26397
Type of gen. func.: ogf

$$\{(-7 n - 11) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A144828
Score: 16.6357
Type of gen. func.: egf]

$$-8 f(x)^2 x + f(x)^2 - 1$$

Sequence: A144828
Score: 49.4025
Type of gen. func.: lgdegf]

$$- \frac{4}{8 x - 1}$$

Sequence: A144828
Score: 49.4025
Type of gen. func.: revegf]

$$-x (2 x - 1)$$

Sequence: A144828
Score: 6.23054
Type of gen. func.: ogf

$$\{(-8 n - 12) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A144829
Score: 10.0944
Type of gen. func.: lgdegf]

$$16 + (-8 + 72 x) f(x) + (81 x^2 - 18 x + 1) f(x)^2$$

Sequence: A144829
Score: 7.57645
Type of gen. func.: ogf

$$\{(-9 n - 13) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A144843
Score: 4.32844
Type of gen. func.: ogf

$$\{a(n + 3) - 52 a(n + 2) + 624 a(n + 1) - 1728 a(n), a(0) = 1, a(1) = 64,$$
$$a(2) = 2704\}$$

Sequence: A144843
Score: 5.8317
Type of gen. func.: ogf

$$(703408 f(x) - 212211)$$
$$(1728 f(x) x^3 - 624 f(x) x^2 + 52 f(x) x - f(x) + 12 x + 1)$$

Sequence: A144843
Score: 7.95750
Type of gen. func.: lgdogf

$$- \frac{32 (1296 x^3 - 72 x^2 - 39 x + 2)}{(-1 + 36 x) (12 x + 1) (12 x - 1) (4 x - 1)}$$

Sequence: A144843
Score: 8.80117
Type of gen. func.: ogf

$$-\frac{12x+1}{(-1+36x)(12x-1)(4x-1)}$$

Sequence: A144844
Score: 11.1197
Type of gen. func.: ogf

$$-\frac{x(2x+1)}{(2x-1)(4x^2-12x+1)}$$

Sequence: A144844
Score: 12.2090
Type of gen. func.: lgdogf

$$-\frac{8(4x^3-4x^2-7x+2)}{(2x+1)(2x-1)(4x^2-12x+1)}$$

Sequence: A144844
Score: 5.75496
Type of gen. func.: ogf

$$\{a(n+3)-14a(n+2)+28a(n+1)-8a(n), a(0)=0, a(1)=1, a(2)=16\}$$

Sequence: A144844
Score: 5.96423
Type of gen. func.: ogf

$$(16f(x)+1)(8f(x)x^3-28f(x)x^2+14f(x)x+2x^2-f(x)+x)$$

Sequence: A144855

```
Score: 7.69485
Type of gen. func.: lgdogf


                                              6
                                        1778 x



-------------------------------------------------------------------------------

Sequence:  A144863
Score: 3.32607
Type of gen. func.: ogf


                                              2
  (101000101 f(x) + 1030100) (10000 f(x) x  - 10001 f(x) x + f(x) - 100 x - 1)



-------------------------------------------------------------------------------

Sequence:  A144863
Score: 6.55097
Type of gen. func.: lgdogf

                             (1000 x + 111) (1000 x - 91)
                         - ---------------------------------
                           (x - 1) (100 x + 1) (10000 x - 1)



-------------------------------------------------------------------------------

Sequence:  A144864
Score: 16.5721
Type of gen. func.: revogf


                                                             1/2
                         -1 - 17 x + ((5 x + 1) (45 x + 1))
                       - ------------------------------------
                                      8 (4 x - 1)



-------------------------------------------------------------------------------

Sequence:  A144864
Score: 16.8271
Type of gen. func.: ogf


                                        1 + 4 x
                                   ------------------
                                   (16 x - 1) (x - 1)



-------------------------------------------------------------------------------

Sequence:  A144864
Score: 19.4722
Type of gen. func.: lgdogf


                                   (8 x + 7) (8 x - 3)
                            - ----------------------------
                              (x - 1) (1 + 4 x) (16 x - 1)
```

Sequence: A144864
Score: 8.69092
Type of gen. func.: ogf

$$(325 f(x) + 116) (16 f(x) x^2 - 17 f(x) x + f(x) - 4 x - 1)$$

Sequence: A144864
Score: 9.30439
Type of gen. func.: ogf

$$\{-a(n + 2) + 17 a(n + 1) - 16 a(n), a(0) = 1, a(1) = 21\}$$

Sequence: A144874
Score: 18.7277
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^2 + x - 2}{x + 1}$$

Sequence: A144897
Score: 12.1333
Type of gen. func.: lgdogf

$$-\frac{15 x^4 - 16 x^3 + 15 x^2 - 12 x + 4}{3 x^5 - 4 x^4 + 5 x^3 - 6 x^2 + 4 x - 1}$$

Sequence: A144897
Score: 12.7060
Type of gen. func.: ogf

$$-\frac{x}{3 x^5 - 4 x^4 + 5 x^3 - 6 x^2 + 4 x - 1}$$

Sequence: A144898
Score: 10.5920
Type of gen. func.: ogf

$$-\frac{x}{(x^3 + x - 1)(x - 1)^4}$$

Sequence: A144898
Score: 21.1776
Type of gen. func.: lgdogf

$$-\frac{7 x^3 - 3 x^2 + 5 x - 5}{(x - 1)(x^3 + x - 1)}$$

Sequence: A144899
Score: 21.5011
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 3 x^2 + 6 x - 6}{(x - 1)(x^3 + x - 1)}$$

Sequence: A144899
Score: 9.37549
Type of gen. func.: ogf

$$\frac{x}{(x^3 + x - 1)(x - 1)^5}$$

Sequence: A144900
Score: 21.7165
Type of gen. func.: lgdogf

$$-\frac{9 x^3 - 3 x^2 + 7 x - 7}{(x - 1)(x^3 + x - 1)}$$

Sequence: A144900
Score: 8.57026
Type of gen. func.: ogf

$$-\frac{x}{(x^3 + x - 1)\,(x - 1)^6}$$

Sequence: A144901
Score: 20.0589
Type of gen. func.: lgdogf

$$-\frac{10\,x^3 - 3\,x^2 + 8\,x - 8}{(x - 1)\,(x^3 + x - 1)}$$

Sequence: A144901
Score: 7.35932
Type of gen. func.: ogf

$$\frac{x}{(x^3 + x - 1)\,(x - 1)^7}$$

Sequence: A144902
Score: 19.9736
Type of gen. func.: lgdogf

$$-\frac{11\,x^3 - 3\,x^2 + 9\,x - 9}{(x - 1)\,(x^3 + x - 1)}$$

Sequence: A144902
Score: 6.46550
Type of gen. func.: ogf

$$-\frac{x}{(x^3 + x - 1)\,(x - 1)^8}$$

Sequence: A144904
Score: 4.65172
Type of gen. func.: ogf

$$4 f(x)^2 x^4 - 9 f(x)^2 x^3 + 22 f(x)^2 x^2 - 8 f(x) x^3 - 9 f(x)^2 x + 6 f(x) x^2 + x^3 + f(x)^2 - f(x) x$$

Sequence: A144905
Score: 3.49199
Type of gen. func.: ogf

$$\{(n^3 + n^2) a(n) + (3 n^3 + 11 n^2 + 14 n + 6) a(n + 1) + (2 n^3 + 15 n^2 + 36 n + 30) a(n + 2) + (-3 - n) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 7\}$$

Sequence: A144916
Score: 10.4417
Type of gen. func.: ogf

$$\frac{3 x^4 - 5 x^3 - 7 x^2 + 5 x - 4}{(x - 1)^3}$$

Sequence: A144916
Score: 13.3678
Type of gen. func.: lgdogf

$$\frac{3 x^4 - 12 x^3 + 22 x^2 + 4 x + 7}{(x - 1) (3 x^4 - 5 x^3 - 7 x^2 + 5 x - 4)}$$

Sequence: A144916
Score: 5.86872
Type of gen. func.: ogf

$$-(491 f(x) - 34922)$$

$$(f(x) x^3 - 3 x^4 - 3 f(x) x^2 + 5 x^3 + 3 f(x) x + 7 x^2 - f(x) - 5 x + 4)$$

Sequence: A144917
Score: 13.9187
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x^2 + 1)}{(x - 1)^2}$$

Sequence: A144917
Score: 19.8302
Type of gen. func.: lgdogf

$$\frac{2 x^3 - 6 x^2 - 5 x - 3}{(x - 1) (x + 1) (2 x^2 + 1)}$$

Sequence: A144917
Score: 7.38296
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) + a(n + 2), a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 13\}$$

Sequence: A144917
Score: 7.86149
Type of gen. func.: ogf

$$-(204 f(x) - 19) (f(x) x^2 - 2 x^3 - 2 f(x) x - 2 x^2 + f(x) - x - 1)$$

Sequence: A144927
Score: 4.22998
Type of gen. func.: ogf

$$-(62658537840 f(x) + 3911456279)$$

$$(f(x) x^3 - 111 f(x) x^2 + 111 f(x) x - 14 x^2 - f(x) + 385 x + 7)$$

Sequence: A144927
Score: 4.80990
Type of gen. func.: ogf

$\{-a(n + 3) + 111 a(n + 2) - 111 a(n + 1) + a(n), a(0) = 7, a(1) = 1162, a(2) = 128191\}$

Sequence: A144927
Score: 8.77100
Type of gen. func.: ogf

$$\frac{7 (2 x^2 - 55 x - 1)}{(x - 1) (x^2 - 110 x + 1)}$$

Sequence: A144928
Score: 12.5490
Type of gen. func.: ogf

$$-\frac{49 (x - 1)}{x^2 - 110 x + 1}$$

Sequence: A144928
Score: 5.86935
Type of gen. func.: lgdogf

$$-\frac{48051 x^2 + 98 x - 53441}{(48051 x + 49) (x^2 - 110 x + 1)}$$

Sequence: A144928
Score: 6.149
Type of gen. func.: ogf

$$-(11988 f(x) - 5243) (f(x) x^2 - 110 f(x) x + f(x) + 49 x - 49)$$

Sequence: A144928
Score: 6.98751
Type of gen. func.: ogf

$$\{a(n + 2) - 110 a(n + 1) + a(n), a(0) = 49, a(1) = 5341\}$$

Sequence: A144929
Score: 11.5525
Type of gen. func.: ogf

$$\frac{2 x^2 - 55 x - 1}{(x - 1) (x^2 - 110 x + 1)}$$

Sequence: A144929
Score: 5.44616
Type of gen. func.: ogf

$$-(438609764880 f(x) + 3911456279)$$

$$(f(x) x^3 - 111 f(x) x^2 + 111 f(x) x - 2 x^2 - f(x) + 55 x + 1)$$

Sequence: A144929
Score: 6.24969
Type of gen. func.: ogf

$$\{-a(n + 3) + 111 a(n + 2) - 111 a(n + 1) + a(n), a(0) = 1, a(1) = 166,$$
$$a(2) = 18313\}$$

Sequence: A144930
Score: 14.0012
Type of gen. func.: ogf

$$- \frac{x - 1}{x^2 - 110 x + 1}$$

Sequence: A144930
Score: 6.78408

Type of gen. func.: ogf

$$-(11988 f(x) - 107) (f(x) x^2 - 110 f(x) x + f(x) + x - 1)$$

Sequence: A144930
Score: 7.17092
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x + 109}{(x - 1) (x^2 - 110 x + 1)}$$

Sequence: A144930
Score: 7.65181
Type of gen. func.: ogf

$$\{a(n + 2) - 110 a(n + 1) + a(n), a(0) = 1, a(1) = 109\}$$

Sequence: A144941
Score: 5.57184
Type of gen. func.: ogf

$$-\frac{4 x^4 + 205 x^3 - 437 x^2 + 35 x + 1}{(x - 1) (x^2 - 34 x + 1) (x^2 + 34 x + 1)}$$

Sequence: A144942
Score: 6.54472
Type of gen. func.: ogf

$$\frac{x (3 x^3 + 145 x^2 - 507 x - 25)}{(x - 1) (x^2 - 34 x + 1) (x^2 + 34 x + 1)}$$

Sequence: A144945
Score: 12.4547
Type of gen. func.: ogf

$$\frac{2 x (3 + 2 x)}{(x - 1)^4}$$

Sequence: A144945
Score: 31.9367
Type of gen. func.: lgdogf

$$- \frac{2 (7 + 3 x)}{(3 + 2 x) (x - 1)}$$

Sequence: A144945
Score: 5.36131
Type of gen. func.: ogf

{(6 + 3 n) a(n + 3) + (-15 - n) a(n + 2) + (-2 n - 6) a(n + 1), a(0) = 0,

a(1) = 6, a(2) = 28}

Sequence: A144945
Score: 6.04148
Type of gen. func.: ogf

$$(72625 f(x) + 318613)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 4 x^2 + f(x) - 6 x)$$

Sequence: A144965
Score: 18.2647
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^2 + 26 x + 17)}{(x - 1) (5 x^2 + 14 x + 5)}$$

Sequence: A144965
Score: 3.54365
Type of gen. func.: ogf

{(15 + 5 n) a(n + 4) + (-16 + 9 n) a(n + 3) + (-61 - 9 n) a(n + 2)

$+ (-10 - 5 n) a(n + 1), a(0) = 0, a(1) = 20, a(2) = 136, a(3) = 444\}$

Sequence: A144965
Score: 5.05527
Type of gen. func.: ogf

$$(2580 f(x) + 61487) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 20 x^3 - 4 f(x) x - 56 x^2 + f(x) - 20 x)$$

Sequence: A144965
Score: 9.51189
Type of gen. func.: ogf

$$\frac{4 x (5 x^2 + 14 x + 5)}{(x - 1)^4}$$

Sequence: A144969
Score: 6.97320
Type of gen. func.: lgdogf

$$- \frac{5760 x^5 + 36972 x^4 + 58832 x^3 + 29172 x^2 + 4272 x + 127}{(x - 1) (720 x^5 + 3708 x^4 + 4400 x^3 + 1452 x^2 + 114 x + 1)}$$

Sequence: A145011
Score: 10.0005
Type of gen. func.: ogf

$$- \frac{2 (x^7 + 3 x^6 + 2 x^5 + x^4 + 2 x^3 + x^2 + 2 x + 3)}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A145018
Score: 10.3615
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 4, a(1) = 5, a(2) = 7\}$$

Sequence: A145018
Score: 19.0244
Type of gen. func.: ogf

$$-\frac{4x^2-7x+4}{(x-1)^3}$$

Sequence: A145018
Score: 33.6375
Type of gen. func.: lgdogf

$$-\frac{4x^2-6x+5}{(x-1)(4x^2-7x+4)}$$

Sequence: A145018
Score: 7.51496
Type of gen. func.: ogf

$$(f(x)-15)(f(x)x^3-3f(x)x^2+3f(x)x+4x^2-f(x)-7x+4)$$

Sequence: A145020
Score: 3.11103
Type of gen. func.: ogf

$$\{a(n+3)-154a(n+2)+6468a(n+1)-74088a(n),\ a(0)=1,\ a(1)=196,\ a(2)=23716\}$$

Sequence: A145020
Score: 3.2122
Type of gen. func.: ogf

$$(242186f(x)-134307)(74088f(x)x^3-6468f(x)x^2+154f(x)x-f(x)+42x+1)$$

Sequence: A145020
Score: 5.66413
Type of gen. func.: lgdogf

$$-\frac{196 (31752 x^3 - 252 x^2 - 66 x + 1)}{(42 x + 1) (42 x - 1) (1764 x^2 - 112 x + 1)}$$

Sequence: A145020
Score: 6.27144
Type of gen. func.: ogf

$$-\frac{42 x + 1}{(42 x - 1) (1764 x^2 - 112 x + 1)}$$

Sequence: A145021
Score: 8.93864
Type of gen. func.: ogf

$$-\frac{2 x^7 + 3 x^6 + 4 x^5 + 7 x^4 + 15 x^3 + 16 x^2 + 10 x + 4}{(x - 1) (x + 1)}$$

Sequence: A145027
Score: 11.2920
Type of gen. func.: ogf

$$\frac{(x + 1) (-2 + x)}{x^3 + x^2 + x - 1}$$

Sequence: A145027
Score: 13.2319
Type of gen. func.: lgdogf

$$-\frac{x^4 - 2 x^3 - 8 x^2 - 2 x - 3}{(-2 + x) (x + 1) (x^3 + x^2 + x - 1)}$$

Sequence: A145027
Score: 5.98967
Type of gen. func.: ogf

$$(252 f(x) - 449) (f(x) x^3 + f(x) x^2 + f(x) x - x^2 - f(x) + x + 2)$$

Sequence: A145027
Score: 6.15011
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) + a(n), a(0) = 2, a(1) = 3, a(2) = 4\}$$

Sequence: A145028
Score: 10.0403
Type of gen. func.: lgdogf

$$-\frac{2 x^6 - 5 x^4 - 10 x^3 + 2 x^2 - 2 x - 2}{(x - 1) (2 x^2 + 2 x + 1) (x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A145028
Score: 10.6813
Type of gen. func.: ogf

$$\frac{(x - 1) (2 x^2 + 2 x + 1)}{x^4 + x^3 + x^2 + x - 1}$$

Sequence: A145028
Score: 5.45933
Type of gen. func.: ogf

$$(3230 f(x) - 5803) (f(x) x^4 + f(x) x^3 + f(x) x^2 - 2 x^3 + f(x) x - f(x) + x + 1)$$

Sequence: A145029
Score: 7.72798

Type of gen. func.: lgdogf

$$-\frac{5x^8+4x^7-3x^6-14x^5-25x^4+10x^3+2x^2-2x-2}{(5x^4+2x^3-x-1)(x^5+x^4+x^3+x^2+x-1)}$$

Sequence: A145029
Score: 8.71219
Type of gen. func.: ogf

$$\frac{5x^4+2x^3-x-1}{x^5+x^4+x^3+x^2+x-1}$$

Sequence: A145030
Score: 7.04362
Type of gen. func.: lgdogf

$$-\frac{10x^9+11x^8+4x^7-8x^6-20x^5-25x^4+10x^3+2x^2-2x-2}{(x^6+x^5+x^4+x^3+x^2+x-1)(5x^4+2x^3-x-1)}$$

Sequence: A145030
Score: 7.80711
Type of gen. func.: ogf

$$\frac{x(5x^4+2x^3-x-1)}{x^6+x^5+x^4+x^3+x^2+x-1}$$

Sequence: A145051
Score: 16.0081
Type of gen. func.: ogf

$$-\frac{x^3-3x-1}{(x-1)^2(x+1)^2}$$

Sequence: A145051
Score: 20.3465
Type of gen. func.: lgdogf

$$-\frac{x^4 - 6 x^2 - 4 x - 3}{(x - 1) (x + 1) (x^3 - 3 x - 1)}$$

Sequence: A145051
Score: 7.86606
Type of gen. func.: ogf

$$\{(-n - 5) a(n + 1) + (n + 3) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 2\}$$

Sequence: A145051
Score: 9.21679
Type of gen. func.: ogf

$$-(18 f(x) - 55) (f(x) x^4 - 2 f(x) x^2 + x^3 + f(x) - 3 x - 1)$$

Sequence: A145052
Score: 2.72783
Type of gen. func.: ogf

$$(5 f(x) + 61) (3 f(x) x^4 - 3 f(x) x^3 + 5 x^3 - f(x) x - 4 x^2 + f(x) - 4 x - 3)$$

Sequence: A145052
Score: 4.74404
Type of gen. func.: ogf

$$-\frac{5 x^3 - 4 x^2 - 4 x - 3}{(x - 1) (3 x^3 - 1)}$$

Sequence: A145063
Score: 13.4523
Type of gen. func.: lgdogf

$$-\frac{x^6+x^4-x^2-6x-1}{(x^2+1)(x^2+x+1)(x^3-x^2+2x-1)}$$

Sequence: A145063
Score: 8.80610
Type of gen. func.: ogf

$$-\frac{(x^2+x+1)(x^3-x^2+2x-1)}{(x^2+1)^3}$$

Sequence: A145064
Score: 11.8792
Type of gen. func.: lgdogf

$$-\frac{x^7-3x^5-11x^4-5x^3-15x^2-8x-1}{(x-1)(x^2+x+1)(x^5-x^3-4x^2-x-2)}$$

Sequence: A145064
Score: 12.4405
Type of gen. func.: ogf

$$-\frac{x^5-x^3-4x^2-x-2}{(x-1)^2(x^2+x+1)^2}$$

Sequence: A145064
Score: 7.09499
Type of gen. func.: ogf

$$\{(-n-6)\,a(n+1)+(n+3)\,a(n+4),\ a(0)=2,\ a(1)=1,\ a(2)=4,\ a(3)=5\}$$

Sequence: A145066
Score: 11.0505
Type of gen. func.: ogf

$$\frac{x^2 - x + 2}{(x - 1)^4}$$

Sequence: A145066
Score: 26.6976
Type of gen. func.: lgdogf

$$-\frac{2 x^2 - x + 7}{(x - 1) (x^2 - x + 2)}$$

Sequence: A145066
Score: 3.83158
Type of gen. func.: ogf

$$\{(2 n + 8) a(n + 4) + (-16 - 3 n) a(n + 3) + (5 + 2 n) a(n + 2) + (-3 - n) a(n + 1), a(0) = 2, a(1) = 7, a(2) = 17, a(3) = 34\}$$

Sequence: A145066
Score: 5.73297
Type of gen. func.: ogf

$$(672 f(x) + 317) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - x^2 + f(x) + x - 2)$$

Sequence: A145067
Score: 10.4592
Type of gen. func.: ogf

$$-\frac{x (2 x^2 - 5 x + 1)}{(x - 1)^4}$$

Sequence: A145067
Score: 21.0000
Type of gen. func.: lgdogf

$$-\frac{4x^2-11x-1}{(x-1)(2x^2-5x+1)}$$

Sequence: A145067
Score: 3.87576
Type of gen. func.: ogf

$\{(-3-n)a(n+4)+(11+6n)a(n+3)+(-18-7n)a(n+2)$

$+(4+2n)a(n+1), a(0)=0, a(1)=-1, a(2)=1, a(3)=8\}$

Sequence: A145067
Score: 5.37693
Type of gen. func.: ogf

$-(992 f(x)+4731)$

$(f(x)x^4-4f(x)x^3+6f(x)x^2+2x^3-4f(x)x-5x^2+f(x)+x)$

Sequence: A145068
Score: 10.6138
Type of gen. func.: ogf

$$\frac{x(2x^2-3x+3)}{(x-1)^4}$$

Sequence: A145068
Score: 22.4566
Type of gen. func.: lgdogf

$$-\frac{4x^2-5x+9}{(x-1)(2x^2-3x+3)}$$

Sequence: A145068
Score: 3.91317

Type of gen. func.: ogf

$$\{(9 + 3 n) a(n + 4) + (-21 - 6 n) a(n + 3) + (5 n + 10) a(n + 2)$$

$$+ (-4 - 2 n) a(n + 1), a(0) = 0, a(1) = 3, a(2) = 9, a(3) = 20\}$$

Sequence: A145068
Score: 5.45639
Type of gen. func.: ogf

$$-(1312 f(x) + 209)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 2 x^3 - 4 f(x) x + 3 x^2 + f(x) - 3 x)$$

Sequence: A145069
Score: 10.6653
Type of gen. func.: ogf

$$\frac{x (x^2 - 2 x + 3)}{(x - 1)^4}$$

Sequence: A145069
Score: 23.9777
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 - 2 x + 5)}{(x - 1) (x^2 - 2 x + 3)}$$

Sequence: A145069
Score: 3.93216
Type of gen. func.: ogf

$$\{(9 + 3 n) a(n + 4) + (-20 - 5 n) a(n + 3) + (7 + 3 n) a(n + 2)$$

$$+ (-2 - n) a(n + 1), a(0) = 0, a(1) = 3, a(2) = 10, a(3) = 23\}$$

Sequence: A145069
Score: 5.76717
Type of gen. func.: ogf

$(64 f(x) - 19)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x + 2 x^2 + f(x) - 3 x)$$

Sequence: A145070
Score: 12.6891
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 34 x^2 + 32 x - 9}{(x - 1) (-1 + 2 x) (2 x^2 - 6 x + 3)}$$

Sequence: A145070
Score: 4.95174
Type of gen. func.: ogf

$-(831 f(x) + 80)$

$$(2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 - 5 f(x) x - 2 x^2 + f(x) + 6 x - 3)$$

Sequence: A145070
Score: 9.75997
Type of gen. func.: ogf

$$\frac{2 x^2 - 6 x + 3}{(-1 + 2 x) (x - 1)^3}$$

Sequence: A145071
Score: 12.7064
Type of gen. func.: ogf

$$\frac{4 x - 3}{(-1 + 2 x) (x - 1)^2}$$

Sequence: A145071
Score: 16.4958

Type of gen. func.: lgdogf

$$-\frac{2\,(8\,x^2 - 11\,x + 4)}{(x - 1)\,(4\,x - 3)\,(-1 + 2\,x)}$$

Sequence: A145071
Score: 5.95963
Type of gen. func.: ogf

$$\{a(n + 3) - 4\,a(n + 2) + 5\,a(n + 1) - 2\,a(n),\ a(0) = 3,\ a(1) = 8,\ a(2) = 17\}$$

Sequence: A145071
Score: 6.01283
Type of gen. func.: ogf

$$-(191\,f(x) + 2164)\,(2\,f(x)\,x^3 - 5\,f(x)\,x^2 + 4\,f(x)\,x - f(x) - 4\,x + 3)$$

Sequence: A145091
Score: 20.2224
Type of gen. func.: lgdogf

$$\frac{2\,x\,(133\,x^{12} + 52\,x^6 + 7)}{19\,x^{14} + 13\,x^8 + 7\,x^2 + 5}$$

Sequence: A145093
Score: 3.56340
Type of gen. func.: ogf

$$\{(25920\,n^3 + 8640\,n^2 - 900\,n)\,a(n)$$
$$+ (-804\,n^3 - 3714\,n^2 - 5154\,n - 2244)\,a(n + 1)$$
$$+ (-2\,n^3 - 9\,n^2 - 13\,n - 6)\,a(n + 2),\ a(0) = 1,\ a(1) = -720\}$$

Sequence: A145112
Score: 11.7481
Type of gen. func.: ogf

$$-\frac{x^5 - x + 1}{(x^4 + x^3 + x^2 + x - 1)\,(x - 1)^2}$$

Sequence: A145112
Score: 12.2523
Type of gen. func.: lgdogf

$$-\frac{x^9 + x^8 + x^7 + x^6 + 2\,x^5 + 2\,x - 2}{(x - 1)\,(x^4 + x^3 + x^2 + x - 1)\,(x^5 - x + 1)}$$

Sequence: A145113
Score: 10.1559
Type of gen. func.: lgdogf

$$-\frac{x^{11} + x^{10} + x^9 + x^8 + x^7 + 3\,x^6 + 2\,x - 2}{(x - 1)\,(x^5 + x^4 + x^3 + x^2 + x - 1)\,(x^6 - x + 1)}$$

Sequence: A145113
Score: 11.2435
Type of gen. func.: ogf

$$-\frac{x^6 - x + 1}{(x^5 + x^4 + x^3 + x^2 + x - 1)\,(x - 1)^2}$$

Sequence: A145114
Score: 11.3457
Type of gen. func.: ogf

$$-\frac{x^7 - x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)\,(x - 1)^2}$$

Sequence: A145114
Score: 9.04408
Type of gen. func.: lgdogf

$$-\frac{x^{13}+x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+4\,x^{7}+2\,x-2}{(x-1)\,(x^{7}-x+1)\,(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x-1)}$$

Sequence: A145115
Score: 11.3968
Type of gen. func.: ogf

$$-\frac{(x^{2}-x+1)\,(x^{6}+x^{5}-x^{3}-x^{2}+1)}{(x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x-1)\,(x-1)^{2}}$$

Sequence: A145116
Score: 11.2844
Type of gen. func.: ogf

$$-\frac{x^{9}-x+1}{(x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x-1)\,(x-1)^{2}}$$

Sequence: A145117
Score: 10.9709
Type of gen. func.: ogf

$$-\frac{x^{10}-x+1}{(x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x-1)\,(x-1)^{2}}$$

Sequence: A145120
Score: 11.9190
Type of gen. func.: lgdogf

$$-\frac{x^{2}-2\,x+301}{(x-1)\,(x^{2}-302\,x+1)}$$

Sequence: A145120
Score: 4.14836
Type of gen. func.: ogf

$$-(45450 f(x) - 5681) (f(x) x^2 - 302 f(x) x + f(x) + 38 x - 38)$$

Sequence: A145120
Score: 4.66109
Type of gen. func.: ogf

$$\{a(n + 2) - 302 a(n + 1) + a(n), a(0) = 38, a(1) = 11438\}$$

Sequence: A145120
Score: 8.44261
Type of gen. func.: revogf

$$- \frac{-19 - 151 x + (22800 x^2 + 5700 x + 361)^{1/2}}{38 + x}$$

Sequence: A145120
Score: 8.46606
Type of gen. func.: ogf

$$- \frac{38 (x - 1)}{x^2 - 302 x + 1}$$

Sequence: A145121
Score: 12.4727
Type of gen. func.: ogf

$$- \frac{361 (x - 1)}{x^2 - 302 x + 1}$$

Sequence: A145121

Score: 12.6242
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2x + 301}{(x - 1)(x^2 - 302x + 1)}$$

Sequence: A145121
Score: 6.11642
Type of gen. func.: ogf

$$-(90900 f(x) - 107939)(f(x) x^2 - 302 f(x) x + f(x) + 361 x - 361)$$

Sequence: A145121
Score: 6.99020
Type of gen. func.: ogf

$$\{a(n + 2) - 302 a(n + 1) + a(n), a(0) = 361, a(1) = 108661\}$$

Sequence: A145121
Score: 7.27498
Type of gen. func.: revogf

$$-\frac{-361 - 302x + (91200x^2 + 216600x + 130321)^{1/2}}{2(361 + x)}$$

Sequence: A145122
Score: 3.30419
Type of gen. func.: ogf

$$\{-a(n + 3) + 303 a(n + 2) - 303 a(n + 1) + a(n), a(0) = 38, a(1) = 14383,$$

$$a(2) = 4346478\}$$

Sequence: A145122
Score: 5.99474
Type of gen. func.: ogf

$$19(3x^2 - 151x - 2)$$

$$\overline{(x-1)(x^2-302x+1)}$$

Sequence: A145123
Score: 13.1554
Type of gen. func.: lgdogf

$$-\frac{x^2-2x+301}{(x-1)(x^2-302x+1)}$$

Sequence: A145123
Score: 4.71364
Type of gen. func.: ogf

$$-(90900 f(x) - 299) (f(x) x^2 - 302 f(x) x + f(x) + x - 1)$$

Sequence: A145123
Score: 5.31655
Type of gen. func.: ogf

$$\{a(n + 2) - 302 a(n + 1) + a(n), a(0) = 1, a(1) = 301\}$$

Sequence: A145123
Score: 9.51668
Type of gen. func.: revogf

$$-\frac{-1 - 302 x + (91200 x^2 + 600 x + 1)^{1/2}}{2 (x + 1)}$$

Sequence: A145123
Score: 9.72815
Type of gen. func.: ogf

$$-\frac{x-1}{x^2-302x+1}$$

Sequence: A145124
Score: 3.88256
Type of gen. func.: ogf

$$-(113412028707120\, f(x) + 747275565863)$$

$$(f(x)\, x^3 - 303\, f(x)\, x^2 + 303\, f(x)\, x - 3\, x^2 - f(x) + 151\, x + 2)$$

Sequence: A145124
Score: 4.60857
Type of gen. func.: ogf

$$\{-a(n + 3) + 303\, a(n + 2) - 303\, a(n + 1) + a(n),\ a(0) = 2,\ a(1) = 757,$$

$$a(2) = 228762\}$$

Sequence: A145124
Score: 8.46051
Type of gen. func.: ogf

$$\frac{3\, x^2 - 151\, x - 2}{(x - 1)\, (x^2 - 302\, x + 1)}$$

Sequence: A145126
Score: 15.9972
Type of gen. func.: lgdogf

$$-\frac{x^4 - 4\, x^3 + 6\, x^2 + 2}{(x - 1)\, (x^4 - 4\, x^3 + 6\, x^2 - 3\, x + 1)}$$

Sequence: A145126
Score: 8.57697
Type of gen. func.: ogf

$$-\frac{x^4 - 4\, x^3 + 6\, x^2 - 3\, x + 1}{(x - 1)^5}$$

Sequence: A145127
Score: 13.2740
Type of gen. func.: lgdogf

$$-\frac{2x^4-8x^3+12x^2-3x+3}{(x-1)(x^4-4x^3+6x^2-3x+1)}$$

Sequence: A145127
Score: 7.41509
Type of gen. func.: ogf

$$\frac{x^4-4x^3+6x^2-3x+1}{(x-1)^6}$$

Sequence: A145128
Score: 13.8211
Type of gen. func.: lgdogf

$$-\frac{3x^4-12x^3+18x^2-6x+4}{(x-1)(x^4-4x^3+6x^2-3x+1)}$$

Sequence: A145128
Score: 7.22184
Type of gen. func.: ogf

$$-\frac{x^4-4x^3+6x^2-3x+1}{(x-1)^7}$$

Sequence: A145129
Score: 13.6697
Type of gen. func.: lgdogf

$$4x^4-16x^3+24x^2-9x+5$$

$$-\frac{}{(x-1)\,(x^4-4\,x^3+6\,x^2-3\,x+1)}$$

Sequence: A145129
Score: 6.61528
Type of gen. func.: ogf

$$\frac{x^4-4\,x^3+6\,x^2-3\,x+1}{(x-1)^8}$$

Sequence: A145130
Score: 4.55978
Type of gen. func.: ogf

$$-\frac{x^8-8\,x^7+28\,x^6-56\,x^5+71\,x^4-60\,x^3+34\,x^2-11\,x+2}{(x-1)^9}$$

Sequence: A145130
Score: 6.71698
Type of gen. func.: lgdogf

$$-\frac{x^8-8\,x^7+28\,x^6-56\,x^5+75\,x^4-76\,x^3+58\,x^2-20\,x+7}{(x-1)\,(x^8-8\,x^7+28\,x^6-56\,x^5+71\,x^4-60\,x^3+34\,x^2-11\,x+2)}$$

Sequence: A145131
Score: 12.3056
Type of gen. func.: ogf

$$-\frac{x}{(x^4+x-1)\,(x-1)^2}$$

Sequence: A145131
Score: 21.3148
Type of gen. func.: lgdogf

$$-\frac{6x^4 - 4x^3 + 3x - 3}{(x-1)(x^4 + x - 1)}$$

Sequence: A145132
Score: 12.3152
Type of gen. func.: ogf

$$\frac{x}{(x^4 + x - 1)(x-1)^3}$$

Sequence: A145132
Score: 21.3357
Type of gen. func.: lgdogf

$$-\frac{7x^4 - 4x^3 + 4x - 4}{(x-1)(x^4 + x - 1)}$$

Sequence: A145133
Score: 20.1040
Type of gen. func.: lgdogf

$$-\frac{8x^4 - 4x^3 + 5x - 5}{(x-1)(x^4 + x - 1)}$$

Sequence: A145133
Score: 8.67451
Type of gen. func.: ogf

$$-\frac{x}{(x^4 + x - 1)(x-1)^4}$$

Sequence: A145134
Score: 21.6655

Type of gen. func.: lgdogf

$$-\frac{9x^4 - 4x^3 + 6x - 6}{(x-1)(x^4 + x - 1)}$$

Sequence: A145134
Score: 8.37585
Type of gen. func.: ogf

$$\frac{x}{(x^4 + x - 1)(x-1)^5}$$

Sequence: A145135
Score: 15.3846
Type of gen. func.: lgdogf

$$-\frac{(x+1)(10x^3 - 14x^2 + 14x - 7)}{(x-1)(x^4 + x - 1)}$$

Sequence: A145135
Score: 6.50740
Type of gen. func.: ogf

$$-\frac{x}{(x^4 + x - 1)(x-1)^6}$$

Sequence: A145136
Score: 20.6014
Type of gen. func.: lgdogf

$$-\frac{11x^4 - 4x^3 + 8x - 8}{(x-1)(x^4 + x - 1)}$$

Sequence: A145136
Score: 6.95992
Type of gen. func.: ogf

$$\frac{x}{(x^4 + x - 1) (x - 1)^7}$$

Sequence: A145137
Score: 18.5255
Type of gen. func.: lgdogf

$$-\frac{12 x^4 - 4 x^3 + 9 x - 9}{(x - 1) (x^4 + x - 1)}$$

Sequence: A145137
Score: 5.62417
Type of gen. func.: ogf

$$-\frac{x}{(x^4 + x - 1) (x - 1)^8}$$

Sequence: A145139
Score: 14.5372
Type of gen. func.: lgdogf

$$-\frac{6 x^5 - 12 x^4 + 4 x^3 - x + 1}{(x - 1) (-1 + 2 x) (x^4 + x - 1)}$$

Sequence: A145139
Score: 9.90279
Type of gen. func.: ogf

$$\frac{x (x - 1)^2}{(-1 + 2 x) (x^4 + x - 1)}$$

Sequence: A145204
Score: 14.4524
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{20} + x^{19} + x^{6} - x^{5} - x^{2} + x + 2$$

Sequence: A145210
Score: 4.65963
Type of gen. func.: ogf

$$-(1061290405908 f(x) - 31935797) (f(x) x^{2} - 1030190 f(x) x + f(x) + 31 x - 31)$$

Sequence: A145216
Score: 20.6180
Type of gen. func.: lgdogf

$$-\frac{4 (x^{2} + 7 x + 4)}{(x - 1) (x^{2} + 4 x + 1)}$$

Sequence: A145216
Score: 5.47239
Type of gen. func.: ogf

$$\frac{(x^{2} + 4 x + 1)^{2}}{(x - 1)^{8}}$$

Sequence: A145217
Score: 13.1855
Type of gen. func.: lgdogf

$$-\frac{4 (x^{3} + 18 x^{2} + 33 x + 8)}{(x - 1) (x + 1) (x^{2} + 10 x + 1)}$$

Sequence: A145217
Score: 3.67693
Type of gen. func.: ogf

$$\frac{(x+1)^2 (x^2+10x+1)^2}{(x-1)^{10}}$$

Sequence: A145218
Score: 11.1232
Type of gen. func.: lgdogf

$$-\frac{4 (x^4+41x^3+171x^2+131x+16)}{(x-1)(x^4+26x^3+66x^2+26x+1)}$$

Sequence: A145219
Score: 14.2906
Type of gen. func.: lgdegf]

$$-\frac{x^2 (x^3-6x^2+11x-8)}{(x-1)(x^4-3x^3+x^2+2x-2)}$$

Sequence: A145220
Score: 3.13136
Type of gen. func.: ogf

$$\{(-n^3-7n^2-12n)\,a(n)+(8n^2+40n+32)\,a(n+1)$$
$$+(n^3+8n^2+8n-8)\,a(n+2)+(-n^2-3n)\,a(n+3),\ a(0)=1,$$
$$a(1)=0,\ a(2)=0,\ a(3)=20\}$$

Sequence: A145221
Score: 4.76708
Type of gen. func.: ogf

$$\{(-n^2-5n-6)\,a(n+1)+(-n^2-3n)\,a(n+2)+(n+1)\,a(n+3),\ a(0)=0,$$
$$a(1)=0,\ a(2)=1\}$$

Sequence: A145221
Score: 94.9442
Type of gen. func.: lgdegf]

$$-\frac{x}{x-1}$$

Sequence: A145222
Score: 4.63507
Type of gen. func.: ogf

$$\{(-n^2 - 7 n - 12) a(n + 1) + (-n^2 - 4 n) a(n + 2) + (n + 1) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 3\}$$

Sequence: A145222
Score: 6.07784
Type of gen. func.: lgdegf]

$$-\frac{x (x^2 - 4 x + 5)}{(x - 1) (x^2 - 3 x + 3)}$$

Sequence: A145223
Score: 10.3314
Type of gen. func.: lgdegf]

$$-\frac{x (x^4 - 10 x^3 + 33 x^2 - 48 x + 30)}{(x - 1) (x - 2) (x^3 - 6 x^2 + 9 x - 6)}$$

Sequence: A145223
Score: 4.43497
Type of gen. func.: ogf

$$\{(-n^2 - 9 n - 20) a(n + 1) + (-n^2 - 5 n) a(n + 2) + (n + 1) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 6\}$$

Sequence: A145265
Score: 8.54030
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^{8}+6\,x^{7}-4\,x^{6}+11\,x^{5}-2\,x^{4}+5\,x^{3}+7\,x^{2}-x+2)}{(x-1)\,(x^{2}+x+1)\,(x^{2}-x+1)\,(3\,x^{4}+4\,x^{3}-x^{2}+2\,x+1)}$$

Sequence: A145265
Score: 8.70375
Type of gen. func.: ogf

$$\frac{3\,x^{4}+4\,x^{3}-x^{2}+2\,x+1}{(x^{2}+x+1)\,(x^{2}-x+1)\,(x-1)^{2}}$$

Sequence: A145266
Score: 7.58920
Type of gen. func.: lgdogf

$$-(x^{11}+3\,x^{10}+4\,x^{9}-4\,x^{8}-14\,x^{7}+4\,x^{6}+28\,x^{5}+2\,x^{4}-21\,x^{3}-3\,x^{2}+9\,x+3)\;/\;((x-1)\,(x+1)\,(x^{6}+x^{5}-x^{3}-x^{2}+x+2)\,(x^{4}-x^{2}+1))$$

Sequence: A145266
Score: 7.73444
Type of gen. func.: ogf

$$\frac{x^{6}+x^{5}-x^{3}-x^{2}+x+2}{(x+1)\,(x^{4}-x^{2}+1)\,(x-1)^{2}}$$

Sequence: A145282
Score: 7.47154
Type of gen. func.: ogf

$$-\frac{4x^{15}-8x^{14}+4x^{13}+2x^{9}-4x^{8}+2x^{7}+2x^{4}-4x^{3}+2x^{2}+x-3}{(x-1)^{2}}$$

Sequence: A145284
Score: 6.17118
Type of gen. func.: ogf

$$-\left(x^{15}-2x^{14}+2x^{13}-x^{12}-x^{10}+x^{9}+x^{8}-3x^{6}+2x^{5}+2x^{4}-3x^{3}+2x-4\right)\Big/(x-1)^{2}$$

Sequence: A145285
Score: 10.1511
Type of gen. func.: lgdogf

$$\frac{7x^{9}-15x^{8}+3x^{7}+15x^{6}-15x^{5}+5x^{4}+8}{(x-1)\left(x^{9}-x^{8}-x^{7}+2x^{6}-x^{5}-x^{2}+2x-5\right)}$$

Sequence: A145285
Score: 9.12508
Type of gen. func.: ogf

$$-\frac{x^{9}-x^{8}-x^{7}+2x^{6}-x^{5}-x^{2}+2x-5}{(x-1)^{2}}$$

Sequence: A145286
Score: 6.94372
Type of gen. func.: ogf

$$-\frac{x^{19}-2x^{18}+x^{17}+x^{8}-2x^{7}+2x^{6}-2x^{4}+x^{3}-x^{2}+2x-6}{(x-1)^{2}}$$

Sequence: A145287
Score: 10.0391
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 6, a(1) = 11\}$$

Sequence: A145287
Score: 18.5166
Type of gen. func.: ogf

$$-\frac{x - 6}{(x - 1)^2}$$

Sequence: A145287
Score: 30.2647
Type of gen. func.: revogf

$$-\frac{-3 - x + (9 + 5 x)^{1/2}}{x + 1}$$

Sequence: A145287
Score: 40.8573
Type of gen. func.: lgdogf

$$-\frac{-11 + x}{(x - 1) (x - 6)}$$

Sequence: A145287
Score: 6.26126
Type of gen. func.: ogf

$$(5 f(x) + 13) (f(x) x^2 - 2 f(x) x + f(x) - 4 x - 1)$$

Sequence: A145289
Score: 10.4356
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 4, a(1) = 7\}$$

Sequence: A145289
Score: 19.0159
Type of gen. func.: ogf

$$-\frac{x-4}{(x-1)^2}$$

Sequence: A145289
Score: 31.0867
Type of gen. func.: revogf

$$-\frac{-2-x+(4+3x)^{1/2}}{x+1}$$

Sequence: A145289
Score: 4.47556
Type of gen. func.: ogf

$$(3 f(x)+5)(f(x) x^2-2 f(x) x+f(x)-2 x-1)$$

Sequence: A145289
Score: 44.1758
Type of gen. func.: lgdogf

$$-\frac{-7+x}{(x-1)(x-4)}$$

Sequence: A145301
Score: 14.5100
Type of gen. func.: ogf

$$-\frac{6x-1}{30x^2-12x+1}$$

Sequence: A145301
Score: 15.9475
Type of gen. func.: lgdogf

$$-\frac{6\,(30\,x^2 - 10\,x + 1)}{(6\,x - 1)\,(30\,x^2 - 12\,x + 1)}$$

Sequence: A145301
Score: 7.33304
Type of gen. func.: ogf

$$-(19\,f(x) + 17)\,(30\,f(x)\,x^2 - 12\,f(x)\,x + f(x) + 6\,x - 1)$$

Sequence: A145301
Score: 8.11871
Type of gen. func.: ogf

$$\{a(n + 2) - 12\,a(n + 1) + 30\,a(n),\ a(0) = 1,\ a(1) = 6\}$$

Sequence: A145302
Score: 12.1536
Type of gen. func.: ogf

$$-\frac{7\,x - 1}{42\,x^2 - 14\,x + 1}$$

Sequence: A145302
Score: 13.3201
Type of gen. func.: lgdogf

$$-\frac{7\,(42\,x^2 - 12\,x + 1)}{(7\,x - 1)\,(42\,x^2 - 14\,x + 1)}$$

Sequence: A145302
Score: 6.14216
Type of gen. func.: ogf

$$-(22 f(x) + 27) (42 f(x) x^2 - 14 f(x) x + f(x) + 7 x - 1)$$

Sequence: A145302
Score: 6.80025
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1) + 42 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A145303
Score: 11.3155
Type of gen. func.: ogf

$$-\frac{8 x - 1}{56 x^2 - 16 x + 1}$$

Sequence: A145303
Score: 12.3873
Type of gen. func.: lgdogf

$$-\frac{8 (56 x^2 - 14 x + 1)}{(8 x - 1) (56 x^2 - 16 x + 1)}$$

Sequence: A145303
Score: 5.71859
Type of gen. func.: ogf

$$-(25 f(x) + 39) (56 f(x) x^2 - 16 f(x) x + f(x) + 8 x - 1)$$

Sequence: A145303
Score: 6.33129
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1) + 56 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A145304
Score: 4.65295
Type of gen. func.: ogf

$$-(104105529450 f(x) - 684904799) (f(x) x^2 - 456302 f(x) x + f(x) + 3002 x - 3002)$$

Sequence: A145305
Score: 4.70834
Type of gen. func.: ogf

$$(208211971504 f(x) + 88979475) (f(x) x^2 - 456302 f(x) x + f(x) - 195 x - 195)$$

Sequence: A145308
Score: 4.49167
Type of gen. func.: ogf

$$-(208211058900 f(x) - 8669681) (f(x) x^2 - 456302 f(x) x + f(x) + 19 x - 19)$$

Sequence: A145318
Score: 5.02005
Type of gen. func.: ogf

$$-(295281450 f(x) - 5272883) (f(x) x^2 - 24302 f(x) x + f(x) + 434 x - 434)$$

Sequence: A145319
Score: 5.08762
Type of gen. func.: ogf

$$(590611504 f(x) + 1093725) (f(x) x^2 - 24302 f(x) x + f(x) - 45 x - 45)$$

Sequence: A145320
Score: 3.43626
Type of gen. func.: ogf

$$-(348764539446997200 f(x) - 193066083682913273) (f(x) x^2 - 24302 f(x) x + f(x) + 6727 x - 6727)$$

```
------------------------------------------------------------------------------

Sequence:  A145322
Score: 10.2922
Type of gen. func.: lgdogf

                                  2
                                 x  - 2 x + 24301
                          - ---------------------------
                                      2
                            (x - 1) (x  - 24302 x + 1)



------------------------------------------------------------------------------

Sequence:  A145322
Score: 4.86584
Type of gen. func.: ogf

                                        2
      -(590562900 f(x) - 170093) (f(x) x  - 24302 f(x) x + f(x) + 7 x - 7)



------------------------------------------------------------------------------

Sequence:  A145322
Score: 6.86149
Type of gen. func.: revogf

                                            2                 1/2
                 -7 - 24302 x + (590587200 x  + 340200 x + 49)
               - -------------------------------------------------
                                   2 (7 + x)



------------------------------------------------------------------------------

Sequence:  A145331
Score: 3.44795
Type of gen. func.: ogf


-(645623375914297320 f(x) - 23057977670642579)

           2
    (f(x) x  - 33710 f(x) x + f(x) + 602 x - 602)



------------------------------------------------------------------------------

Sequence:  A145332
Score: 4.02134
Type of gen. func.: ogf

                                       2
    (1136397808 f(x) + 1786789) (f(x) x  - 33710 f(x) x + f(x) - 53 x - 53)



------------------------------------------------------------------------------
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Sequence: A145333
Score: 3.50587
Type of gen. func.: ogf

$$-(1291246751828594640 f(x) - 991493039837630897) (f(x) x^2 - 33710 f(x) x + f(x) + 12943 x - 12943)$$

Sequence: A145335
Score: 4.94948
Type of gen. func.: ogf

$$-(1136330388 f(x) - 235949) (f(x) x^2 - 33710 f(x) x + f(x) + 7 x - 7)$$

Sequence: A145365
Score: 3.59961
Type of gen. func.: ogf

$$- \frac{4 x^5 - 4 x^4 - 2 x^3 + 2 x + 1}{(x - 1) (2 x^2 - 1) (2 x^3 - 1)}$$

Sequence: A145389
Score: 7.78218
Type of gen. func.: ogf

$$- \frac{x (9 x^8 + 9 x^7 + x^6 + 3 x^5 + 6 x^4 + x^3 + 6 x^2 + 3 x + 1)}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A145404
Score: 5.65616
Type of gen. func.: ogf

$$- \frac{x^5 + 12 x^4 - 46 x^3 - 4 x^2 + 41 x + 8}{x^6 + 12 x^5 - 47 x^4 - 8 x^3 + 47 x^2 + 12 x - 1}$$

Sequence: A145405
Score: 4.28155
Type of gen. func.: ogf

$$-\frac{4\,(2124\,x^{5}-403\,x^{4}-3941\,x^{3}+2010\,x^{2}-181\,x-5)}{8496\,x^{6}-3148\,x^{5}-17644\,x^{4}+10329\,x^{3}-585\,x^{2}-113\,x+1}$$

Sequence: A145407
Score: 3.14724
Type of gen. func.: ogf

$$\frac{24\,(2268414568\,x^{4}+20934334\,x^{3}+212212\,x^{2}+30\,x-5)}{(6\,x-1)\,(140544\,x^{3}+20544\,x^{2}-344\,x+1)}$$

Sequence: A145409
Score: 3.10435
Type of gen. func.: ogf

$$(268073437419\,f(x)-11324690269)\,(f(x)\,x^{4}+21\,f(x)\,x^{3}-62\,f(x)\,x^{2}+x^{3}$$
$$-21\,f(x)\,x+21\,x^{2}+f(x)-61\,x-15)$$

Sequence: A145409
Score: 6.13389
Type of gen. func.: ogf

$$-\frac{x^{3}+21\,x^{2}-61\,x-15}{x^{4}+21\,x^{3}-62\,x^{2}-21\,x+1}$$

Sequence: A145410
Score: 6.01003
Type of gen. func.: ogf

$$-\frac{10\,(1048\,x^{3}+3046\,x^{2}-592\,x-7)}{10480\,x^{4}+31008\,x^{3}-7160\,x^{2}-264\,x+1}$$

Sequence: A145411
Score: 2.9787
Type of gen. func.: ogf

$$-(15373292458481 f(x) - 279005951890270)$$

$$(288 f(x) x^3 - 516 f(x) x^2 - 145 f(x) x + 12600 x^2 + f(x) - 3300 x - 60)$$

Sequence: A145411
Score: 3.60216
Type of gen. func.: ogf

$$\{a(n + 3) - 145 a(n + 2) - 516 a(n + 1) + 288 a(n), a(0) = 60, a(1) = 12000,$$

$$a(2) = 1758360\}$$

Sequence: A145411
Score: 6.19571
Type of gen. func.: ogf

$$-\frac{60 (210 x^2 - 55 x - 1)}{288 x^3 - 516 x^2 - 145 x + 1}$$

Sequence: A145442
Score: 3.3177
Type of gen. func.: ogf

$$-(49 f(x) - 495) (1000 f(x) x - 99000 x^2 - f(x) - 9900 x + 10)$$

Sequence: A145442
Score: 5.54327
Type of gen. func.: lgdogf

$$\frac{10 (990000 x^2 - 1980 x + 1)}{(1000 x - 1) (9900 x^2 + 990 x - 1)}$$

Sequence: A145448
Score: 11.1846
Type of gen. func.: egf]

$$-12 f(x) x + f(x) - 1$$

Sequence: A145448
Score: 21.3524
Type of gen. func.: egf]

$$-\frac{1}{12 x - 1}$$

Sequence: A145448
Score: 5.16212
Type of gen. func.: ogf

$$\{(-12 n - 24) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 12\}$$

Sequence: A145453
Score: 12.0172
Type of gen. func.: lgdegf]

$$(-3 - 3 n) a(n + 3) + (4 - n) a(n + 2) + a(n + 1), a(0) = 0, a(1) = 0, a(2) = 1/2$$

Sequence: A145454
Score: 10.1165
Type of gen. func.: lgdegf]

$$-4 n a(n + 3) + (6 - n) a(n + 2) + a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1/6$$

Sequence: A145455
Score: 9.57979
Type of gen. func.: lgdegf]

$$(n + 3) a(n + 1) + (-n^2 + 4) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0,$$

$a(4) = 1/24$

Sequence: A145456
Score: 8.51782
Type of gen. func.: lgdegf]

$$(n + 3)\ a(n + 1) + (-n^2 + n + 6)\ a(n + 2),\ a(0) = 0,\ a(1) = 0,\ a(2) = 0,\ a(3) = 0,\ a(4) = 0,\ a(5) = 1/120$$

Sequence: A145457
Score: 8.37910
Type of gen. func.: lgdegf]

$$(n + 3)\ a(n + 1) + (-n^2 + 2 n + 8)\ a(n + 2),\ a(0) = 0,\ a(1) = 0,\ a(2) = 0,\ a(3) = 0,\ a(4) = 0,\ a(5) = 0,\ a(6) = 1/720$$

Sequence: A145458
Score: 6.98272
Type of gen. func.: lgdegf]

$$(n + 3)\ a(n + 1) + (-n^2 + 3 n + 10)\ a(n + 2),\ a(0) = 0,\ a(1) = 0,\ a(2) = 0,\ a(3) = 0,\ a(4) = 0,\ a(5) = 0,\ a(6) = 0,\ a(7) = 1/5040$$

Sequence: A145459
Score: 6.66902
Type of gen. func.: lgdegf]

$$(-2 - n)\ a(n) + (n^2 - 6 n - 7)\ a(n + 1),\ a(0) = 0,\ a(1) = 0,\ a(2) = 0,\ a(3) = 0,\ a(4) = 0,\ a(5) = 0,\ a(6) = 0,\ a(7) = 0,\ a(8) = 1/40320$$

Sequence: A145461
Score: 6.12797
Type of gen. func.: lgdogf

$$-\frac{2}{x - 1}$$

Sequence: A145466
Score: 13.8366
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^3 - x^2 - x - 1}{x^5 - 1}$$

Sequence: A145467
Score: 17.7819
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^3 - 2}{-x^5 + 1}$$

Sequence: A145468
Score: 18.2483
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^2 + 2 x}{x^5 - 1}$$

Sequence: A145525
Score: 10.0527
Type of gen. func.: ogf

$$-\frac{182 (x - 1)}{x^2 - 1454 x + 1}$$

Sequence: A145525
Score: 11.4490
Type of gen. func.: lgdogf

$$x^2 - 2 x + 1453$$

$$- \frac{\quad}{(x - 1) (x^2 - 1454 x + 1)}$$

Sequence: A145525
Score: 4.88543
Type of gen. func.: ogf

$$-(1056330 f(x) - 132041) (f(x) x^2 - 1454 f(x) x + f(x) + 182 x - 182)$$

Sequence: A145525
Score: 5.68198
Type of gen. func.: ogf

$$\{a(n + 2) - 1454 a(n + 1) + a(n), a(0) = 182, a(1) = 264446\}$$

Sequence: A145525
Score: 7.77667
Type of gen. func.: revogf

$$- \frac{-91 - 727 x + (528528 x^2 + 132132 x + 8281)^{1/2}}{182 + x}$$

Sequence: A145526
Score: 10.4550
Type of gen. func.: lgdogf

$$- \frac{x^2 + 2 x - 1455}{(x + 1) (x^2 - 1454 x + 1)}$$

Sequence: A145526
Score: 4.93966
Type of gen. func.: ogf

$$(2115568 f(x) + 16027) (f(x) x^2 - 1454 f(x) x + f(x) - 11 x - 11)$$

Sequence: A145526
Score: 5.48852
Type of gen. func.: ogf

$$\{-a(n + 2) + 1454 a(n + 1) - a(n), a(0) = 11, a(1) = 16005\}$$

Sequence: A145526
Score: 6.78658
Type of gen. func.: revogf

$$-\frac{-11 - 1454 x + (2114112 x^2 + 32032 x + 121)^{1/2}}{2 (-11 + x)}$$

Sequence: A145526
Score: 9.87934
Type of gen. func.: ogf

$$\frac{11 (x + 1)}{x^2 - 1454 x + 1}$$

Sequence: A145527
Score: 10.5241
Type of gen. func.: ogf

$$-\frac{8281 (x - 1)}{x^2 - 1454 x + 1}$$

Sequence: A145527
Score: 4.62033
Type of gen. func.: ogf

$$-(4463334389712 f(x) - 50770380644711)$$

$$(f(x) x^2 - 1454 f(x) x + f(x) + 8281 x - 8281)$$

Sequence: A145527
Score: 5.98213
Type of gen. func.: ogf

$$\{a(n+2) - 1454\,a(n+1) + a(n),\ a(0) = 8281,\ a(1) = 12032293\}$$

Sequence: A145527
Score: 9.62026
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2x + 1453}{(x-1)(x^2 - 1454x + 1)}$$

Sequence: A145529
Score: 11.9069
Type of gen. func.: ogf

$$-\frac{x - 1}{x^2 - 1454x + 1}$$

Sequence: A145529
Score: 5.6587
Type of gen. func.: ogf

$$-(2112660 f(x) - 1451)(f(x) x^2 - 1454 f(x) x + f(x) + x - 1)$$

Sequence: A145529
Score: 6.49465
Type of gen. func.: ogf

$$\{a(n+2) - 1454\,a(n+1) + a(n),\ a(0) = 1,\ a(1) = 1453\}$$

Sequence: A145529
Score: 7.08837
Type of gen. func.: revogf

$$-\frac{-1 - 1454x + (2114112x^2 + 2904x + 1)^{1/2}}{2(x+1)}$$

Sequence: A145529
Score: 9.77045
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x + 1453}{(x - 1) (x^2 - 1454 x + 1)}$$

Sequence: A145530
Score: 3.85645
Type of gen. func.: ogf

$$-(128761130978752272 f(x) + 442415565609691) (f(x) x^3 - 1455 f(x) x^2 + 1455 f(x) x - 6 x^2 - f(x) + 727 x + 5)$$

Sequence: A145530
Score: 4.63979
Type of gen. func.: ogf

$$\{-a(n + 3) + 1455 a(n + 2) - 1455 a(n + 1) + a(n), a(0) = 5, a(1) = 8002, a(2) = 11635629\}$$

Sequence: A145530
Score: 8.60714
Type of gen. func.: ogf

$$\frac{6 x^2 - 727 x - 5}{(x - 1) (x^2 - 1454 x + 1)}$$

Sequence: A145542
Score: 13.5283
Type of gen. func.: ogf

$$-\frac{x^2 - 3 x - 1}{x^4 - 8 x^2 + 1}$$

Sequence: A145542
Score: 7.63476
Type of gen. func.: ogf

$$-(866 f(x) + 111) (f(x) x^4 - 8 f(x) x^2 + x^2 + f(x) - 3 x - 1)$$

Sequence: A145543
Score: 7.00762
Type of gen. func.: ogf

$$-(4330 f(x) + 1047) (f(x) x^4 - 8 f(x) x^2 + x^3 - x^2 + f(x) - 4 x - 1)$$

Sequence: A145544
Score: 12.5536
Type of gen. func.: ogf

$$-12 f(x) x^2 + 7 f(x) x - f(x) + 4 x$$

Sequence: A145544
Score: 19.8215
Type of gen. func.: ogf

$$\frac{4 x}{(4 x - 1) (3 x - 1)}$$

Sequence: A145544
Score: 20.6545
Type of gen. func.: revogf

$$- \frac{-4 - 7 x + (x^2 + 56 x + 16)^{1/2}}{24 x}$$

Sequence: A145544
Score: 27.5393
Type of gen. func.: lgdogf

$$-\frac{-7 + 24 x}{(4 x - 1) (3 x - 1)}$$

Sequence: A145544
Score: 9.18559
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) + 12 a(n), a(0) = 0, a(1) = 4\}$$

Sequence: A145561
Score: 10.6462
Type of gen. func.: lgdegf]

$$-\frac{5 (4 x - 1)^{(5/4)} + (-1)^{(1/4)} - 4 (-1)^{(1/4)} x}{(4 x - 1)^{9/4}}$$

Sequence: A145562
Score: 4.29672
Type of gen. func.: ogf

$$\{(-16 n^2 - 108 n - 182) a(n + 1) + (8 n + 31) a(n + 2) - a(n + 3), a(0) = 1,$$
$$a(1) = 15, a(2) = 255\}$$

Sequence: A145563
Score: 12.5689
Type of gen. func.: ogf

$$-6 f(x) x^2 + 5 f(x) x - f(x) + 4 x$$

Sequence: A145563
Score: 20.0423
Type of gen. func.: ogf

$$\frac{4 x}{(3 x - 1) (-1 + 2 x)}$$

Sequence: A145563
Score: 20.3243
Type of gen. func.: revogf

$$-\frac{-4 - 5 x + (x^2 + 40 x + 16)^{1/2}}{12 x}$$

Sequence: A145563
Score: 28.1414
Type of gen. func.: lgdogf

$$-\frac{-5 + 12 x}{(3 x - 1) (-1 + 2 x)}$$

Sequence: A145563
Score: 9.15511
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 6 a(n), a(0) = 0, a(1) = 4\}$$

Sequence: A145568
Score: 31.4270
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} - x^9 + 1$$

Sequence: A145568
Score: 8.51130
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}{(x - 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A145569
Score: 10.4784
Type of gen. func.: ogf

$$\frac{x (x + 1) (x^2 + x + 1) (x^2 - x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A145569
Score: 32.0579
Type of gen. func.: ogf_with_Euler_transform]

$$x^6 - x^5 + 2$$

Sequence: A145569
Score: 7.02004
Type of gen. func.: lgdogf

$$- (3 x^{11} + 5 x^{10} + 7 x^9 + 9 x^8 + 11 x^7 + 13 x^6 + 6 x^5 + 10 x^4 + 8 x^3 + 6 x^2 + 4 x + 2) / ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1))$$

Sequence: A145593
Score: 10.1487
Type of gen. func.: ogf

$$- \frac{11 x^2 + x - 1}{(x - 1) (2 x + 1) (x + 1)}$$

Sequence: A145593
Score: 10.7522
Type of gen. func.: lgdogf

$$- \frac{22 x^4 + 4 x^3 + 17 x^2 + 20 x + 3}{(x - 1) (2 x + 1) (x + 1) (11 x^2 + x - 1)}$$

Sequence: A145593
Score: 5.11562
Type of gen. func.: ogf

$$-(1433 f(x) + 20895) (2 f(x) x^3 + f(x) x^2 - 2 f(x) x + 11 x^2 - f(x) + x - 1)$$

Sequence: A145593
Score: 5.61805
Type of gen. func.: ogf

$$\{-a(n + 3) - 2 a(n + 2) + a(n + 1) + 2 a(n), a(0) = -1, a(1) = 3, a(2) = 4\}$$

Sequence: A145600
Score: 3.35716
Type of gen. func.: ogf

$$\{(16 n^3 + 128 n^2 + 340 n + 300) a(n + 1) + (-n^3 - 10 n^2 - 32 n - 32) a(n + 2),$$
$$a(0) = 1, a(1) = 8\}$$

Sequence: A145607
Score: 10.4062
Type of gen. func.: ogf

$$\frac{x (x - 4)}{(x - 1) (x^2 - 8 x + 1)}$$

Sequence: A145607
Score: 12.1702
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 21 x^2 + 72 x - 35}{(x - 1) (x - 4) (x^2 - 8 x + 1)}$$

Sequence: A145607
Score: 5.29603
Type of gen. func.: ogf

$$\{-a(n + 3) + 9 a(n + 2) - 9 a(n + 1) + a(n), a(0) = 0, a(1) = 4, a(2) = 35\}$$

Sequence: A145607
Score: 5.75879
Type of gen. func.: ogf

$$-f(x) (f(x) x^3 - 9 f(x) x^2 + 9 f(x) x - x^2 - f(x) + 4 x)$$

Sequence: A145608
Score: 10.4245
Type of gen. func.: ogf

$$f(x) x^3 - 9 f(x) x^2 + 9 f(x) x - f(x) + 3 x$$

Sequence: A145608
Score: 17.8374
Type of gen. func.: ogf

$$-\frac{3 x}{(x - 1) (x^2 - 8 x + 1)}$$

Sequence: A145608
Score: 24.7900
Type of gen. func.: lgdogf

$$-\frac{3 (x^2 - 6 x + 3)}{(x - 1) (x^2 - 8 x + 1)}$$

Sequence: A145608
Score: 7.16683
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 9 a(n + 1) - a(n), a(0) = 0, a(1) = 3, a(2) = 27\}$$

Sequence: A145641
Score: 5.17356
Type of gen. func.: ogf

$$(13335 f(x) + 5296) \left(64 f(x) x^4 - 120 f(x) x^3 + 70 f(x) x^2 - 15 f(x) x - 40 x^2 + f(x) + 24 x - 5\right)$$

Sequence: A145641
Score: 9.73445
Type of gen. func.: ogf

$$\frac{40 x^2 - 24 x + 5}{(x - 1) (8 x - 1) (-1 + 2 x) (4 x - 1)}$$

Sequence: A145644
Score: 10.5853
Type of gen. func.: ogf

$$-(f(x) + 499) (f(x) x^3 + 100 x^2 - f(x) + 10 x + 1)$$

Sequence: A145644
Score: 11.2552
Type of gen. func.: ogf

$$\{a(n + 3) - a(n), a(0) = 1, a(1) = 10, a(2) = 100\}$$

Sequence: A145644
Score: 13.4189
Type of gen. func.: lgdogf

$$- \frac{100 x^4 + 20 x^3 + 3 x^2 + 200 x + 10}{(x - 1) (x^2 + x + 1) (100 x^2 + 10 x + 1)}$$

Sequence: A145644
Score: 17.0993
Type of gen. func.: ogf

$$-\frac{100 x^2 + 10 x + 1}{(x - 1) (x^2 + x + 1)}$$

Sequence: A145654
Score: 14.8141
Type of gen. func.: ogf

$$-\frac{2 x}{(-1 + 2 x) (x - 1)^2}$$

Sequence: A145654
Score: 26.2573
Type of gen. func.: lgdogf

$$-\frac{2 (3 x - 2)}{(-1 + 2 x) (x - 1)}$$

Sequence: A145654
Score: 6.00572
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 0, a(1) = 2, a(2) = 8\}$$

Sequence: A145654
Score: 6.73368
Type of gen. func.: ogf

$$(2 f(x) + 1) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x - f(x) + 2 x)$$

Sequence: A145655
Score: 14.6259
Type of gen. func.: ogf

$$-\frac{4}{(4 x - 1) (x - 1)^2}$$

Sequence: A145655
Score: 23.4919
Type of gen. func.: lgdogf

$$-\frac{6\,(-1 + 2\,x)}{(4\,x - 1)\,(x - 1)}$$

Sequence: A145655
Score: 5.21445
Type of gen. func.: ogf

$$\{a(n + 3) - 6\,a(n + 2) + 9\,a(n + 1) - 4\,a(n),\ a(0) = 4,\ a(1) = 24,\ a(2) = 108\}$$

Sequence: A145655
Score: 5.71107
Type of gen. func.: ogf

$$(2579\,f(x) - 4160)\,(4\,f(x)\,x^3 - 9\,f(x)\,x^2 + 6\,f(x)\,x - f(x) + 4)$$

Sequence: A145678
Score: 10.8698
Type of gen. func.: ogf

$$\frac{21\,(x^2 - 23\,x - 20)}{(x - 1)^3}$$

Sequence: A145678
Score: 20.1013
Type of gen. func.: lgdogf

$$-\frac{x^2 - 44\,x - 83}{(x - 1)\,(x^2 - 23\,x - 20)}$$

```
Sequence:  A145678
Score: 5.73926
Type of gen. func.: ogf


(4972 f(x) - 3106005)

           3            2                  2
    (f(x) x  - 3 f(x) x  + 3 f(x) x - 21 x  - f(x) + 483 x + 420)



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Sequence:  A145678
Score: 5.97840
Type of gen. func.: ogf


{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 420, a(1) = 1743,

    a(2) = 3948}



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Sequence:  A145683
Score: 18.5095
Type of gen. func.: ogf


                                             3
                                  -(f(x) - 1)



--------------------------------------------------------------------------------

Sequence:  A145685
Score: 8.41505
Type of gen. func.: ogf


                                 2           5
                       (f(x) - 1)  (-56896 x  + f(x) - 1)



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Sequence:  A145686
Score: 8.46369
Type of gen. func.: ogf


                                 2           5
                       (f(x) - 1)  (-28690 x  + f(x) - 1)



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Sequence:  A145687
Score: 15.2045
Type of gen. func.: ogf


                                             3
                                  -(f(x) - 1)
```

Sequence: A145693
Score: 12.2259
Type of gen. func.: ogf

$$-\frac{14\,(x-1)}{x^2-110\,x+1}$$

Sequence: A145693
Score: 6.11292
Type of gen. func.: ogf

$$-(5994\,f(x)-749)\,(f(x)\,x^2-110\,f(x)\,x+f(x)+14\,x-14)$$

Sequence: A145693
Score: 6.80758
Type of gen. func.: ogf

$$\{a(n+2)-110\,a(n+1)+a(n),\ a(0)=14,\ a(1)=1526\}$$

Sequence: A145693
Score: 7.82881
Type of gen. func.: lgdogf

$$-\frac{x^2-2\,x+109}{(x-1)\,(x^2-110\,x+1)}$$

Sequence: A145694
Score: 12.3336
Type of gen. func.: ogf

$$\frac{5\,(x+1)}{x^2-302\,x+1}$$

Sequence: A145694

Score: 6.16679
Type of gen. func.: ogf

$$(91504 f(x) + 1525) (f(x) x^2 - 302 f(x) x + f(x) - 5 x - 5)$$

Sequence: A145694
Score: 6.66298
Type of gen. func.: ogf

$$\{-a(n + 2) + 302 a(n + 1) - a(n), a(0) = 5, a(1) = 1515\}$$

Sequence: A145694
Score: 8.81563
Type of gen. func.: lgdogf

$$-\frac{x^2 + 2 x - 303}{(x + 1) (x^2 - 302 x + 1)}$$

Sequence: A145695
Score: 10.3288
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x + 589}{(x - 1) (x^2 - 590 x + 1)}$$

Sequence: A145695
Score: 4.51369
Type of gen. func.: ogf

$$-(173754 f(x) - 21719) (f(x) x^2 - 590 f(x) x + f(x) + 74 x - 74)$$

Sequence: A145695
Score: 5.17300
Type of gen. func.: ogf

$$\{a(n + 2) - 590 a(n + 1) + a(n), a(0) = 74, a(1) = 43586\}$$

Sequence: A145695
Score: 7.23013
Type of gen. func.: revogf

$$-\frac{-37 - 295 x + (87024 x^2 + 21756 x + 1369)^{1/2}}{74 + x}$$

Sequence: A145695
Score: 9.39586
Type of gen. func.: ogf

$$-\frac{74 (x - 1)}{x^2 - 590 x + 1}$$

Sequence: A145696
Score: 11.3143
Type of gen. func.: ogf

$$\frac{7 (x + 1)}{x^2 - 590 x + 1}$$

Sequence: A145696
Score: 5.59758
Type of gen. func.: ogf

$$(348688 f(x) + 4151) (f(x) x^2 - 590 f(x) x + f(x) - 7 x - 7)$$

Sequence: A145696
Score: 6.11231
Type of gen. func.: ogf

$$\{-a(n + 2) + 590 a(n + 1) - a(n), a(0) = 7, a(1) = 4137\}$$

Sequence: A145696
Score: 6.63688

Type of gen. func.: revogf

$$-\frac{-7 - 590 x + (348096 x^2 + 8288 x + 49)^{1/2}}{2 (-7 + x)}$$

Sequence: A145696
Score: 9.67088
Type of gen. func.: lgdogf

$$-\frac{x^2 + 2 x - 591}{(x + 1) (x^2 - 590 x + 1)}$$

Sequence: A145697
Score: 11.2993
Type of gen. func.: ogf

$$-\frac{1369 (x - 1)}{x^2 - 590 x + 1}$$

Sequence: A145697
Score: 11.5130
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x + 589}{(x - 1) (x^2 - 590 x + 1)}$$

Sequence: A145697
Score: 5.59685
Type of gen. func.: ogf

$$-(347508 f(x) - 803603) (f(x) x^2 - 590 f(x) x + f(x) + 1369 x - 1369)$$

Sequence: A145697
Score: 6.50938
Type of gen. func.: ogf

{a(n + 2) - 590 a(n + 1) + a(n), a(0) = 1369, a(1) = 806341}

Sequence: A145699
Score: 13.0430
Type of gen. func.: ogf

$$-\frac{x - 1}{x^2 - 590 x + 1}$$

Sequence: A145699
Score: 17.2218
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x + 589}{(x - 1) (x^2 - 590 x + 1)}$$

Sequence: A145699
Score: 6.25534
Type of gen. func.: ogf

$$-(347508 f(x) - 587) (f(x) x^2 - 590 f(x) x + f(x) + x - 1)$$

Sequence: A145699
Score: 7.12817
Type of gen. func.: ogf

{a(n + 2) - 590 a(n + 1) + a(n), a(0) = 1, a(1) = 589}

Sequence: A145700
Score: 4.32176
Type of gen. func.: ogf

$$-(128902635353424 f(x) + 653941958869)$$

$$(f(x) x^3 - 591 f(x) x^2 + 591 f(x) x - 4 x^2 - f(x) + 295 x + 3)$$

Sequence: A145700
Score: 5.04782
Type of gen. func.: ogf

{-a(n + 3) + 591 a(n + 2) - 591 a(n + 1) + a(n), a(0) = 3, a(1) = 2068,

a(2) = 1220411}

Sequence: A145700
Score: 9.41758
Type of gen. func.: ogf

$$\frac{4 x^2 - 295 x - 3}{(x - 1) (x^2 - 590 x + 1)}$$

Sequence: A145715
Score: 11.9607
Type of gen. func.: lgdogf

$$- \frac{x^2 - 2 x + 2029}{(x - 1) (x^2 - 2030 x + 1)}$$

Sequence: A145715
Score: 4.11022
Type of gen. func.: ogf

$$-(2059434 f(x) - 257429) (f(x) x^2 - 2030 f(x) x + f(x) + 254 x - 254)$$

Sequence: A145715
Score: 7.55411
Type of gen. func.: revogf

$$- \frac{-127 - 1015 x + (1030224 x^2 + 257556 x + 16129)^{1/2}}{254 + x}$$

Sequence: A145716
Score: 10.2630
Type of gen. func.: ogf

$$\frac{13 (x + 1)}{x^2 - 2030 x + 1}$$

Sequence: A145716
Score: 10.8284
Type of gen. func.: lgdogf

$$-\frac{x^2 + 2 x - 2031}{(x + 1) (x^2 - 2030 x + 1)}$$

Sequence: A145716
Score: 5.1315
Type of gen. func.: ogf

$$(4122928 f(x) + 26429) (f(x) x^2 - 2030 f(x) x + f(x) - 13 x - 13)$$

Sequence: A145716
Score: 5.70168
Type of gen. func.: ogf

$$\{-a(n + 2) + 2030 a(n + 1) - a(n), a(0) = 13, a(1) = 26403\}$$

Sequence: A145716
Score: 7.02896
Type of gen. func.: revogf

$$-\frac{-13 - 2030 x + (4120896 x^2 + 52832 x + 169)^{1/2}}{2 (-13 + x)}$$

Sequence: A145717
Score: 10.3758
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2x + 2029}{(x - 1)(x^2 - 2030x + 1)}$$

Sequence: A145717
Score: 10.6193
Type of gen. func.: ogf

$$-\frac{16129 (x - 1)}{x^2 - 2030x + 1}$$

Sequence: A145717
Score: 4.6825
Type of gen. func.: ogf

$$-(16965077722320 f(x) - 269320478116031)$$

$$(f(x) x^2 - 2030 f(x) x + f(x) + 16129 x - 16129)$$

Sequence: A145717
Score: 6.19457
Type of gen. func.: ogf

$$\{a(n + 2) - 2030 a(n + 1) + a(n), a(0) = 16129, a(1) = 32725741\}$$

Sequence: A145718
Score: 4.13860
Type of gen. func.: ogf

$$\{-a(n + 3) + 2031 a(n + 2) - 2031 a(n + 1) + a(n), a(0) = 762, a(1) = 1676527,$$

$$a(2) = 3403477826\}$$

Sequence: A145718
Score: 7.35146
Type of gen. func.: ogf

$$\frac{127 (7 x^2 - 1015 x - 6)}{}$$

$$(x - 1) (x^2 - 2030 x + 1)$$

Sequence: A145720
Score: 4.09763
Type of gen. func.: ogf

$$-(1064450880339600 f(x) + 3144346983769)$$

$$(f(x) x^3 - 2031 f(x) x^2 + 2031 f(x) x - 7 x^2 - f(x) + 1015 x + 6)$$

Sequence: A145720
Score: 4.79646
Type of gen. func.: ogf

$$\{-a(n + 3) + 2031 a(n + 2) - 2031 a(n + 1) + a(n), a(0) = 6, a(1) = 13201,$$

$$a(2) = 26799038\}$$

Sequence: A145720
Score: 8.83919
Type of gen. func.: ogf

$$\frac{7 x^2 - 1015 x - 6}{(x - 1) (x^2 - 2030 x + 1)}$$

Sequence: A145721
Score: 10.4256
Type of gen. func.: lgdogf

$$- \frac{x^2 - 2 x + 2029}{(x - 1) (x^2 - 2030 x + 1)}$$

Sequence: A145721
Score: 12.4245
Type of gen. func.: ogf

$$- \frac{x - 1}{}$$

$$x^2 - 2030 x + 1$$

Sequence: A145721
Score: 5.90473
Type of gen. func.: ogf

$$-(4118868 f(x) - 2027) (f(x) x^2 - 2030 f(x) x + f(x) + x - 1)$$

Sequence: A145721
Score: 6.77702
Type of gen. func.: ogf

$$\{a(n + 2) - 2030 a(n + 1) + a(n), a(0) = 1, a(1) = 2029\}$$

Sequence: A145721
Score: 7.35926
Type of gen. func.: revogf

$$-\frac{-1 - 2030 x + (4120896 x^2 + 4056 x + 1)^{1/2}}{2 (x + 1)}$$

Sequence: A145729
Score: 13.0665
Type of gen. func.: ogf

$$-\frac{8 x}{(8 x - 1) (x - 1)^2}$$

Sequence: A145729
Score: 22.4125
Type of gen. func.: lgdogf

$$-\frac{2 (-5 + 12 x)}{(8 x - 1) (x - 1)}$$

Sequence: A145729
Score: 5.38706
Type of gen. func.: ogf

$$\{a(n+3) - 10 a(n+2) + 17 a(n+1) - 8 a(n), a(0) = 0, a(1) = 8, a(2) = 80\}$$

Sequence: A145729
Score: 6.08045
Type of gen. func.: ogf

$$(5 f(x) + 4) (8 f(x) x^3 - 17 f(x) x^2 + 10 f(x) x - f(x) + 8 x)$$

Sequence: A145730
Score: 12.8115
Type of gen. func.: ogf

$$- \frac{4 x}{(8 x - 1) (x - 1)^2}$$

Sequence: A145730
Score: 22.8136
Type of gen. func.: lgdogf

$$- \frac{2 (-5 + 12 x)}{(8 x - 1) (x - 1)}$$

Sequence: A145730
Score: 5.28195
Type of gen. func.: ogf

$$\{a(n+3) - 10 a(n+2) + 17 a(n+1) - 8 a(n), a(0) = 0, a(1) = 4, a(2) = 40\}$$

Sequence: A145730
Score: 5.9618
Type of gen. func.: ogf

$$(5 f(x) + 2) (8 f(x) x^3 - 17 f(x) x^2 + 10 f(x) x - f(x) + 4 x)$$

Sequence: A145751
Score: 10.5590
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 4\}$$

Sequence: A145751
Score: 11.826
Type of gen. func.: ogf

$$(8 f(x) + 1) (2 f(x) x^2 + 2 x^2 - f(x) + 3 x + 1)$$

Sequence: A145751
Score: 15.5665
Type of gen. func.: revegf]

$$1/2\ 2^{1/2} (-\operatorname{arcsinh}(2\ 2^{1/2}) + \operatorname{arcsinh}(2^{1/2} (x + 2)))$$

Sequence: A145751
Score: 18.1011
Type of gen. func.: ogf

$$-\frac{(x + 1) (2 x + 1)}{2 x^2 - 1}$$

Sequence: A145751
Score: 25.6390
Type of gen. func.: lgdogf

$$-\frac{4 (x + 1) (2 x + 1)}{(4 x + 3) (2 x^2 - 1)}$$

Sequence: A145766
Score: 14.2659
Type of gen. func.: ogf

$$2 x$$

$$- \frac{\quad}{(4 x - 1) (x - 1)^{2}}$$

Sequence: A145766
Score: 25.2973
Type of gen. func.: lgdogf

$$- \frac{6 (-1 + 2 x)}{(4 x - 1) (x - 1)}$$

Sequence: A145766
Score: 5.73184
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 9 a(n + 1) - 4 a(n), a(0) = 0, a(1) = 2, a(2) = 12\}$$

Sequence: A145766
Score: 8.33723
Type of gen. func.: ogf

$$4 f(x) x^{3} - 9 f(x) x^{2} + 6 f(x) x - f(x) + 2 x$$

Sequence: A145801
Score: 3.65394
Type of gen. func.: ogf_with_Euler_transform]

[x + 2]

Sequence: A145820
Score: 6.57980
Type of gen. func.: ogf

$$- \frac{9 x^{6} + 7 x^{5} + 9 x^{4} - 39 x^{3} + 7 x^{2} + x + 8}{(x - 1) (x^{6} - 6 x^{3} + 1)}$$

Sequence: A145839

Score: 10.3171
Type of gen. func.: ogf

$$\frac{(x - 1)^3}{2 x^3 - 6 x^2 + 6 x - 1}$$

Sequence: A145839
Score: 16.6905
Type of gen. func.: lgdogf

$$\frac{3}{(x - 1) (2 x^3 - 6 x^2 + 6 x - 1)}$$

Sequence: A145839
Score: 5.31256
Type of gen. func.: ogf

$$\{a(n + 4) - 6 a(n + 3) + 6 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 15, a(3) = 73\}$$

Sequence: A145839
Score: 5.98222
Type of gen. func.: ogf

$$(f(x) - 1) (2 f(x) x^3 - 6 f(x) x^2 - x^3 + 6 f(x) x + 3 x^2 - f(x) - 3 x + 1)$$

Sequence: A145840
Score: 15.2354
Type of gen. func.: lgdogf

$$- \frac{4}{(x - 1) (2 x^4 - 8 x^3 + 12 x^2 - 8 x + 1)}$$

Sequence: A145840
Score: 4.93318
Type of gen. func.: ogf

$$-(-1 + 3 f(x)) (2 f(x) x^4 - 8 f(x) x^3 - x^4 + 12 f(x) x^2 + 4 x^3 - 8 f(x) x$$
$$- 6 x^2 + f(x) + 4 x - 1)$$

Sequence: A145840
Score: 8.60437
Type of gen. func.: ogf

$$\frac{(x - 1)^4}{2 x^4 - 8 x^3 + 12 x^2 - 8 x + 1}$$

Sequence: A145841
Score: 13.5853
Type of gen. func.: lgdogf

$$\frac{5}{(x - 1) (2 x^5 - 10 x^4 + 20 x^3 - 20 x^2 + 10 x - 1)}$$

Sequence: A145841
Score: 6.87540
Type of gen. func.: ogf

$$\frac{(x - 1)^5}{2 x^5 - 10 x^4 + 20 x^3 - 20 x^2 + 10 x - 1}$$

Sequence: A145885
Score: 3.44904
Type of gen. func.: ogf

$$\{(12 n^2 + 54 n + 60) a(n + 1) + (n^2 + 18 n + 57) a(n + 2)$$
$$+ (-n^2 - 7 n - 10) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 10\}$$

Sequence: A145886

Score: 9.28676
Type of gen. func.: lgdegf]

$$-\frac{x\,(x^4 - 7x^3 + 19x^2 - 23x + 16)}{(x - 1)\,(x^4 - 5x^3 + 10x^2 - 8x + 4)}$$

Sequence: A145887
Score: 11.0842
Type of gen. func.: lgdegf]

$$-\frac{x^4 - 6x^3 + 11x^2 - 8x - 4}{(x - 1)\,(x - 3)\,(x^2 - 2x + 2)}$$

Sequence: A145887
Score: 3.39516
Type of gen. func.: ogf

$$\{(n^2 + 8n + 15)\,a(n + 1) + (n^2 + 5n + 2)\,a(n + 2) + (-1 - n)\,a(n + 3),$$

$$a(0) = 0,\ a(1) = 0,\ a(2) = 3\}$$

Sequence: A145889
Score: 15.0575
Type of gen. func.: lgdegf]

$$-\frac{3x^3 + x^2 + 7x + 1}{(x - 1)\,(x + 1)\,(x^2 + 1)}$$

Sequence: A145889
Score: 7.96126
Type of gen. func.: egf]

$$-\frac{x\,(x^2 + 1)}{(x + 1)^2\,(x - 1)^3}$$

Sequence: A145910
Score: 11.8257
Type of gen. func.: ogf

$$\frac{x^2 - 8 x - 2}{(x - 1)^3}$$

Sequence: A145910
Score: 20.7770
Type of gen. func.: lgdogf

$$-\frac{x^2 - 14 x - 14}{(x - 1) (x^2 - 8 x - 2)}$$

Sequence: A145910
Score: 6.32781
Type of gen. func.: ogf

$$(51 f(x) - 347) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 8 x + 2)$$

Sequence: A145910
Score: 6.32781
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2, a(1) = 14, a(2) = 35\}$$

Sequence: A145919
Score: 10.0143
Type of gen. func.: lgdogf

$$-\frac{5 x^6 + 12 x^5 - 21 x^4 + 20 x^3 + 15 x^2 - 6 x + 2}{(x - 1) (x^2 + x + 1) (x^4 + 2 x^3 - 3 x^2 + 2 x + 1)}$$

Sequence: A145919

Score: 8.45775
Type of gen. func.: ogf

$$-\frac{x^4 (x^4 + 2 x^3 - 3 x^2 + 2 x + 1)}{(x - 1)^3 (x^2 + x + 1)^3}$$

Sequence: A145920
Score: 5.18602
Type of gen. func.: ogf

$$-\frac{x (x^6 + 4 x^5 + 26 x^4 + 19 x^3 + 26 x^2 + 4 x + 1)}{(x + 1)^4 (x - 1)^5}$$

Sequence: A145920
Score: 7.20589
Type of gen. func.: lgdogf

$$-\frac{3 x^7 + 17 x^6 + 140 x^5 + 160 x^4 + 305 x^3 + 115 x^2 + 65 x + 5}{(x - 1) (x + 1) (x^6 + 4 x^5 + 26 x^4 + 19 x^3 + 26 x^2 + 4 x + 1)}$$

Sequence: A145923
Score: 3.28668
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 9, a(1) = 33, a(2) = 65\}$$

Sequence: A145923
Score: 6.14233
Type of gen. func.: ogf

$$\frac{7 x^2 - 6 x - 9}{(x - 1)^3}$$

Sequence: A145923

Score: 7.302
Type of gen. func.: ogf

$$(159 f(x) - 6941) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 7 x^2 - f(x) + 6 x + 9)$$

Sequence: A145923
Score: 9.77430
Type of gen. func.: lgdogf

$$-\frac{7 x^2 + 2 x - 33}{(x - 1) (7 x^2 - 6 x - 9)}$$

Sequence: A145924
Score: 11.8243
Type of gen. func.: ogf

$$-\frac{3 x^4 + 5 x^3 + 5 x^2 + 3 x + 9}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A145924
Score: 7.01690
Type of gen. func.: lgdogf

$$-\frac{3 x^8 + 10 x^7 + 15 x^6 + 12 x^5 + 45 x^4 + 12 x^3 + 15 x^2 + 10 x + 3}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (3 x^4 + 5 x^3 + 5 x^2 + 3 x + 9)}$$

Sequence: A145934
Score: 21.2571
Type of gen. func.: ogf

$$\frac{1}{6 x^2 - x + 1}$$

Sequence: A145934

Score: 30.9419
Type of gen. func.: lgdogf

$$-\frac{12x-1}{6x^2-x+1}$$

Sequence: A145934
Score: 7.4272
Type of gen. func.: ogf

$$(19 f(x) - 18) (6 f(x) x^2 - f(x) x + f(x) - 1)$$

Sequence: A145934
Score: 7.51777
Type of gen. func.: ogf

{a(n + 2) - a(n + 1) + 6 a(n), a(0) = 1, a(1) = 1}

Sequence: A145976
Score: 22.4062
Type of gen. func.: ogf

$$\frac{1}{7x^2-x+1}$$

Sequence: A145976
Score: 31.0500
Type of gen. func.: lgdogf

$$-\frac{-1+14x}{7x^2-x+1}$$

Sequence: A145976
Score: 7.82867
Type of gen. func.: ogf

$$(29 f(x) - 28) (7 f(x) x^2 - f(x) x + f(x) - 1)$$

Sequence: A145976
Score: 7.92413
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) + 7 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A145978
Score: 24.3595
Type of gen. func.: ogf

$$\frac{1}{8 x^2 - x + 1}$$

Sequence: A145978
Score: 30.4089
Type of gen. func.: lgdogf

$$- \frac{16 x - 1}{8 x^2 - x + 1}$$

Sequence: A145978
Score: 8.51117
Type of gen. func.: ogf

$$(41 f(x) - 40) (8 f(x) x^2 - f(x) x + f(x) - 1)$$

Sequence: A145978
Score: 8.61495
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) + 8 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A145979
Score: 6.03915
Type of gen. func.: lgdogf

$$-\frac{2\,(x^{10}-3\,x^{8}-2\,x^{7}-18\,x^{6}-12\,x^{5}-26\,x^{4}-6\,x^{3}-15\,x^{2}-4\,x-3)}{(x-1)\,(x+1)\,(x^{2}+1)\,(2\,x^{7}-2\,x^{5}-x^{4}-10\,x^{3}-4\,x^{2}-6\,x-1)}$$

Sequence: A145979
Score: 8.23418
Type of gen. func.: ogf

$$-\frac{2\,x^{7}-2\,x^{5}-x^{4}-10\,x^{3}-4\,x^{2}-6\,x-1}{(x-1)^{2}\,(x+1)^{2}\,(x^{2}+1)^{2}}$$

Sequence: A145980
Score: 14.2687
Type of gen. func.: ogf

$$\frac{7\,x^{2}-52\,x-29}{(x-1)^{3}}$$

Sequence: A145980
Score: 22.0970
Type of gen. func.: lgdogf

$$-\frac{7\,x^{2}-90\,x-139}{(x-1)\,(7\,x^{2}-52\,x-29)}$$

Sequence: A145980
Score: 6.96842
Type of gen. func.: ogf

$$(27720881\,f(x)-1616528439)$$

$$(f(x)\,x^{3}-3\,f(x)\,x^{2}+3\,f(x)\,x-7\,x^{2}-f(x)+52\,x+29)$$

Sequence: A145980

Score: 7.68314
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 29, a(1) = 139, a(2) = 323\}$$

Sequence: A145995
Score: 13.3061
Type of gen. func.: ogf

$$-\frac{8 x^{2} + x + 1}{(x - 1)^{3}}$$

Sequence: A145995
Score: 23.4223
Type of gen. func.: lgdogf

$$-\frac{2 (x + 2) (4 x + 1)}{(x - 1) (8 x^{2} + x + 1)}$$

Sequence: A145995
Score: 6.87858
Type of gen. func.: ogf

$$(6100 f(x) - 17839) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 8 x^{2} - f(x) + x + 1)$$

Sequence: A145995
Score: 7.18294
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 4, a(2) = 17\}$$

Sequence: A146005
Score: 15.5754
Type of gen. func.: lgdogf

$$-\frac{2 (x^{3} - 6 x^{2} - 3 x - 3)}{{}^{2} \qquad {}^{2}}$$

$$(x + x - 1) (x - 4 x - 1)$$

Sequence: A146005
Score: 4.02199
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) + (n^2 + 4 n + 3) a(n + 2) + (-n^2 - 3 n - 2) a(n + 3),$$

$$a(0) = 0, a(1) = 1, a(2) = 6\}$$

Sequence: A146005
Score: 5.23162
Type of gen. func.: ogf

$$(5 f(x) + 8) (f(x) x^4 + 2 f(x) x^3 - f(x) x^2 + x^3 - 2 f(x) x - 4 x^2 + f(x) - x)$$

Sequence: A146005
Score: 9.53158
Type of gen. func.: ogf

$$- \frac{x (x^2 - 4 x - 1)}{(x^2 + x - 1)^2}$$

Sequence: A146017
Score: 7.25449
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A146020
Score: 13.7327
Type of gen. func.: lgdegf]

$$1 - 3 f(x) + 3 f(x)^2 - f(x)^3$$

Sequence: A146040
Score: 9.40444
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A146043
Score: 14.2820
Type of gen. func.: lgdegf]

$$1 - 3 f(x) + 3 f(x)^2 - f(x)^3$$

Sequence: A146078
Score: 21.5709
Type of gen. func.: ogf

$$\frac{1}{9 x^2 - x + 1}$$

Sequence: A146078
Score: 29.6191
Type of gen. func.: lgdogf

$$-\frac{-1 + 18 x}{9 x^2 - x + 1}$$

Sequence: A146078
Score: 7.5368
Type of gen. func.: ogf

$$(55 f(x) - 54) (9 f(x) x^2 - f(x) x + f(x) - 1)$$

Sequence: A146078
Score: 7.62872
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) + 9 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A146079
Score: 10.2195
Type of gen. func.: ogf

$$-\frac{2 x^8 + 4 x^7 + 8 x^6 + 5 x^5 + 4 x^4 + 5 x^3 + 8 x^2 + 4 x + 2}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A146080
Score: 21.5035
Type of gen. func.: ogf

$$\frac{1}{10 x^2 - x + 1}$$

Sequence: A146080
Score: 29.1812
Type of gen. func.: lgdogf

$$-\frac{-1 + 20 x}{10 x^2 - x + 1}$$

Sequence: A146080
Score: 7.6798
Type of gen. func.: ogf

$$(71 f(x) - 70) (10 f(x) x^2 - f(x) x + f(x) - 1)$$

Sequence: A146080
Score: 7.77234
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) + 10 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A146081

Score: 16.5558
Type of gen. func.: ogf

$$-\frac{2\,(18\,x-55)}{(x-1)^2}$$

Sequence: A146081
Score: 23.6225
Type of gen. func.: revogf

$$-\frac{-55-x+(3025+74\,x)^{1/2}}{36+x}$$

Sequence: A146081
Score: 27.8408
Type of gen. func.: lgdogf

$$-\frac{2\,(-46+9\,x)}{(x-1)\,(18\,x-55)}$$

Sequence: A146081
Score: 8.63782
Type of gen. func.: ogf

$$(37\,f(x)+4394)\,(f(x)\,x^2-2\,f(x)\,x+f(x)+36\,x-110)$$

Sequence: A146081
Score: 9.24047
Type of gen. func.: ogf

$$\{-a(n+2)+2\,a(n+1)-a(n),\ a(0)=110,\ a(1)=184\}$$

Sequence: A146082
Score: 7.70263
Type of gen. func.: ogf

$$-\frac{7\,x^7+5\,x^6+3\,x^5+x^4+8\,x^3+6\,x^2+4\,x+2}{}$$

$$(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)$$

Sequence: A146083
Score: 20.4935
Type of gen. func.: ogf

$$\frac{1}{11 x^2 - x + 1}$$

Sequence: A146083
Score: 27.8503
Type of gen. func.: lgdogf

$$- \frac{-1 + 22 x}{11 x^2 - x + 1}$$

Sequence: A146083
Score: 7.31911
Type of gen. func.: ogf

$$(89 f(x) - 88) (11 f(x) x^2 - f(x) x + f(x) - 1)$$

Sequence: A146083
Score: 7.40730
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) + 11 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A146084
Score: 20.4935
Type of gen. func.: ogf

$$\frac{1}{12 x^2 - x + 1}$$

Sequence: A146084
Score: 27.8503
Type of gen. func.: lgdogf

$$-\frac{-1 + 24 x}{12 x^2 - x + 1}$$

Sequence: A146084
Score: 7.1489
Type of gen. func.: ogf

$$(109 f(x) - 108) (12 f(x) x^2 - f(x) x + f(x) - 1)$$

Sequence: A146084
Score: 7.40730
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) + 12 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A146086
Score: 10.1001
Type of gen. func.: lgdogf

$$-\frac{225 x^4 - 480 x^3 + 368 x^2 - 108 x + 11}{(x - 1) (3 x - 1) (5 x - 1) (15 x^2 - 16 x + 3)}$$

Sequence: A146086
Score: 11.5388
Type of gen. func.: ogf

$$-\frac{15 x^2 - 16 x + 3}{(x - 1) (3 x - 1) (5 x - 1)}$$

Sequence: A146086
Score: 6.00017
Type of gen. func.: ogf

$-(6182 f(x) + 8505)$

$(15 f(x) x^3 - 23 f(x) x^2 + 9 f(x) x + 15 x^2 - f(x) - 16 x + 3)$

Sequence: A146086
Score: 6.46569
Type of gen. func.: ogf

$\{-a(n + 3) + 9 a(n + 2) - 23 a(n + 1) + 15 a(n), a(0) = 3, a(1) = 11, a(2) = 45$

$\}$

Sequence: A146090
Score: 5.29954
Type of gen. func.: ogf

$$-\frac{12 x^7 + 15 x^6 - 206 x^5 + 425 x^4 - 238 x^3 + 83 x^2 + 88 x + 1}{(x - 1)^5}$$

Sequence: A146090
Score: 5.72681
Type of gen. func.: lgdogf

$$\frac{24 x^7 - 69 x^6 - 90 x^5 + 605 x^4 - 1224 x^3 + 465 x^2 - 518 x - 93}{(x - 1) (12 x^7 + 15 x^6 - 206 x^5 + 425 x^4 - 238 x^3 + 83 x^2 + 88 x + 1)}$$

Sequence: A146092
Score: 4.77159
Type of gen. func.: ogf

$$-\frac{16 x^7 + 137 x^6 - 848 x^5 + 1717 x^4 - 1202 x^3 + 729 x^2 + 230 x + 1}{(x - 1)^5}$$

Sequence: A146093
Score: 8.42367
Type of gen. func.: ogf

$$-\frac{x^{12}+x^{10}+x^{7}+2x^{6}+x^{5}+2x^{3}+2x^{2}+x+1}{(x-1)(x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)}$$

Sequence: A146094
Score: 8.40298
Type of gen. func.: ogf

$$-\frac{2x^{11}+3x^{10}+3x^{9}+x^{7}+3x^{6}+3x^{4}+x^{3}+2x^{2}+x+1}{(x-1)(x+1)(x^{2}+x+1)(x^{2}-x+1)(x^{2}+1)(x^{4}-x^{2}+1)}$$

Sequence: A146123
Score: 3.53901
Type of gen. func.: ogf

$$\frac{204x^{7}-1564x^{6}+4405x^{5}-5865x^{4}+3022x^{3}-1430x^{2}-535x-1}{(x-1)^{5}}$$

Sequence: A146124
Score: 4.36637
Type of gen. func.: ogf

$$\frac{x(13x^{5}-89x^{4}+223x^{3}-47x^{2}-356x-32)}{(x-1)^{5}}$$

Sequence: A146124
Score: 6.23541
Type of gen. func.: lgdogf

$$\frac{6(4x^{4}-15x^{3}-88x^{2}+253x+86)}{(x-1)(13x^{5}-89x^{4}+223x^{3}-47x^{2}-356x-32)}$$

Sequence: A146125
Score: 4.28395
Type of gen. func.: ogf

$$-\frac{x\,(14\,x^{7}+66\,x^{6}-260\,x^{5}+34\,x^{4}+777\,x^{3}-625\,x^{2}+1581\,x+93)}{(x-1)^{5}}$$

Sequence: A146126
Score: 3.40645
Type of gen. func.: ogf

$$-\frac{x\,(18\,x^{7}+430\,x^{6}-1212\,x^{5}+1132\,x^{4}+3869\,x^{3}-3029\,x^{2}+8541\,x+235)}{(x-1)^{5}}$$

Sequence: A146129
Score: 9.27473
Type of gen. func.: ogf

$$-(f(x)\,x-f(x)+1)^{3}$$

Sequence: A146132
Score: 14.2820
Type of gen. func.: lgdegf]

$$1-3\,f(x)+3\,f(x)^{2}-f(x)^{3}$$

Sequence: A146141
Score: 15.9668
Type of gen. func.: lgdegf]

$$1-3\,f(x)+3\,f(x)^{2}-f(x)^{3}$$

Sequence: A146160
Score: 10.9194
Type of gen. func.: ogf

$$(40 f(x) + 9769) (f(x) x^{4} + 16 x^{3} + x^{2} - f(x) + 4 x + 1)$$

Sequence: A146160
Score: 12.4050
Type of gen. func.: lgdogf

$$- \frac{2 (8 x^{6} + x^{5} + 6 x^{4} + 2 x^{3} + 24 x^{2} + x + 2)}{(x - 1) (x + 1) (16 x^{3} + x^{2} + 4 x + 1) (x^{2} + 1)}$$

Sequence: A146160
Score: 16.5674
Type of gen. func.: ogf

$$- \frac{16 x^{3} + x^{2} + 4 x + 1}{(x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A146162
Score: 7.29388
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^{6} - x^{4} - 2 x^{3} - x^{2} - 1}{-x^{8} - x^{7} - x^{6} - x^{5} + x^{3} + x^{2} + x + 1}$$

Sequence: A146176
Score: 9.40173
Type of gen. func.: lgdegf]

$$1 - 3 f(x) + 3 f(x)^{2} - f(x)^{3}$$

Sequence: A146185
Score: 11.6684
Type of gen. func.: lgdegf]

$${}^{2} \qquad {}^{3}$$

$$1 - 3 f(x) + 3 f(x) - f(x)$$

Sequence: A146193
Score: 9.40173
Type of gen. func.: lgdegf]

$$1 - 3 f(x) + 3 f(x)^2 - f(x)^3$$

Sequence: A146197
Score: 3.56095
Type of gen. func.: ogf

$$- 2 x (10 x^8 + 30 x^7 - 215 x^6 + 6 x^5 + 1051 x^4 - 1460 x^3 + 577 x^2 + 472 x + 9) \Big/ (x - 1)^7$$

Sequence: A146205
Score: 6.02321
Type of gen. func.: lgdogf

$$\frac{15 x^2 + 14 x + 1}{(x + 1) (x^2 + 1)}$$

Sequence: A146226
Score: 7.00216
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A146229
Score: 9.66657
Type of gen. func.: lgdegf]

$$1 - 3 f(x) + 3 f(x)^2 - f(x)^3$$

Sequence: A146237
Score: 11.4002
Type of gen. func.: lgdegf]

$$1 - 3 f(x) + 3 f(x)^2 - f(x)^3$$

Sequence: A146261
Score: 8.49195
Type of gen. func.: lgdegf]

$$1 - 3 f(x) + 3 f(x)^2 - f(x)^3$$

Sequence: A146298
Score: 16.3411
Type of gen. func.: lgdogf

$$- \frac{2 x (7 + x)}{(x - 1) (x^2 + 4 x - 1)}$$

Sequence: A146298
Score: 3.38528
Type of gen. func.: ogf

$$-(344 f(x) + 423)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 4 x^2 + f(x) + x)$$

Sequence: A146298
Score: 6.53870
Type of gen. func.: ogf

$$\frac{x (x^2 + 4 x - 1)}{(x - 1)^4}$$

Sequence: A146301
Score: 11.3105

Type of gen. func.: ogf

$$-\frac{5x^2+102x+21}{(x-1)^3}$$

Sequence: A146301
Score: 17.3058
Type of gen. func.: lgdogf

$$-\frac{5x^2+214x+165}{(x-1)(5x^2+102x+21)}$$

Sequence: A146301
Score: 5.88513
Type of gen. func.: ogf

$$(11232 f(x) - 818615)$$

$$(f(x)x^3 - 3f(x)x^2 + 3f(x)x + 5x^2 - f(x) + 102x + 21)$$

Sequence: A146301
Score: 6.18693
Type of gen. func.: ogf

$\{a(n+3) - 3a(n+2) + 3a(n+1) - a(n), a(0) = 21, a(1) = 165, a(2) = 437\}$

Sequence: A146302
Score: 11.4900
Type of gen. func.: ogf

$$\frac{3x^2-86x-45}{(x-1)^3}$$

Sequence: A146302
Score: 17.3058
Type of gen. func.: lgdogf

$$-\frac{3x^2-166x-221}{(x-1)(3x^2-86x-45)}$$

Sequence: A146302
Score: 5.88513
Type of gen. func.: ogf

$$(13792 f(x) - 1182261)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 3 x^2 - f(x) + 86 x + 45)$$

Sequence: A146302
Score: 6.18693
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 45, a(1) = 221, a(2) = 525\}$$

Sequence: A146308
Score: 6.25567
Type of gen. func.: ogf

$$-(5 x^{11} - 2 x^{10} - 3 x^9 - 10 x^8 + x^7 - 66 x^6 - 11 x^5 - 22 x^4 - 15 x^3 - 14 x^2 - 7 x - 6) / ((x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2)$$

Sequence: A146311
Score: 12.4178
Type of gen. func.: ogf

$$\frac{5x+1}{x^2+10x+1}$$

Sequence: A146311
Score: 14.8648
Type of gen. func.: lgdogf

$$-\frac{5 x^2 + 2 x + 5}{(5 x + 1) (x^2 + 10 x + 1)}$$

Sequence: A146311
Score: 6.49115
Type of gen. func.: ogf

$$(48 f(x) - 23) (f(x) x^2 + 10 f(x) x + f(x) - 5 x - 1)$$

Sequence: A146311
Score: 6.88218
Type of gen. func.: ogf

$$\{-a(n + 2) - 10 a(n + 1) - a(n), a(0) = 1, a(1) = -5\}$$

Sequence: A146312
Score: 10.2821
Type of gen. func.: ogf

$$-\frac{2 (x^2 + 22 x + 1)}{(x - 1) (x^2 - 98 x + 1)}$$

Sequence: A146312
Score: 5.22267
Type of gen. func.: ogf

$$(11408373 f(x) - 334996)$$

$$(f(x) x^3 - 99 f(x) x^2 + 99 f(x) x + 2 x^2 - f(x) + 44 x + 2)$$

Sequence: A146312
Score: 5.48380
Type of gen. func.: ogf

$$\{a(n + 3) - 99 a(n + 2) + 99 a(n + 1) - a(n), a(0) = 2, a(1) = 242,$$

$$a(2) = 23762\}$$

Sequence: A146313
Score: 10.2821
Type of gen. func.: ogf

$$-\frac{3\,(x^2 - 18\,x + 1)}{(x - 1)\,(x^2 - 98\,x + 1)}$$

Sequence: A146313
Score: 5.3069
Type of gen. func.: ogf

$$(1267597\,f(x) - 24151)$$

$$(f(x)\,x^3 - 99\,f(x)\,x^2 + 99\,f(x)\,x + 3\,x^2 - f(x) - 54\,x + 3)$$

Sequence: A146313
Score: 5.48380
Type of gen. func.: ogf

$$\{-a(n + 3) + 99\,a(n + 2) - 99\,a(n + 1) + a(n),\ a(0) = 3,\ a(1) = 243,$$
$$a(2) = 23763\}$$

Sequence: A146321
Score: 4.43186
Type of gen. func.: ogf

$$\{-a(n + 4) - 3\,a(n + 3) - 3\,a(n + 2) - 2\,a(n + 1),\ a(0) = 1,\ a(1) = 4,$$
$$a(2) = -2,\ a(3) = 1\}$$

Sequence: A146321
Score: 4.87505
Type of gen. func.: ogf

$$(f(x) - 1)\,(2\,f(x)\,x^3 + 3\,f(x)\,x^2 - 9\,x^3 + 3\,f(x)\,x - 13\,x^2 + f(x) - 7\,x - 1)$$

Sequence: A146321
Score: 8.35723
Type of gen. func.: ogf

$$\frac{9 x^3 + 13 x^2 + 7 x + 1}{(x^2 + x + 1) (2 x + 1)}$$

Sequence: A146321
Score: 9.52336
Type of gen. func.: lgdogf

$$\frac{x^4 + 26 x^3 + 39 x^2 + 20 x + 4}{(2 x + 1) (x^2 + x + 1) (9 x^3 + 13 x^2 + 7 x + 1)}$$

Sequence: A146325
Score: 11.8335
Type of gen. func.: ogf

$$-(9 f(x) + 4) (f(x) x^3 + x^2 - f(x) + 4 x + 1)$$

Sequence: A146325
Score: 12.3007
Type of gen. func.: ogf

$$\{a(n + 3) - a(n), a(0) = 1, a(1) = 4, a(2) = 1\}$$

Sequence: A146325
Score: 17.6236
Type of gen. func.: lgdogf

$$- \frac{x^4 + 8 x^3 + 3 x^2 + 2 x + 4}{(x - 1) (x^2 + x + 1) (x^2 + 4 x + 1)}$$

Sequence: A146325
Score: 19.0786

Type of gen. func.: ogf

$$-\frac{x^2 + 4x + 1}{(x - 1)(x^2 + x + 1)}$$

Sequence: A146391
Score: 6.37133
Type of gen. func.: ogf

$$-(f(x)x - f(x) + 1)^3$$

Sequence: A146394
Score: 9.13689
Type of gen. func.: lgdegf]

$$1 - 3f(x) + 3f(x)^2 - f(x)^3$$

Sequence: A146399
Score: 7.10285
Type of gen. func.: ogf

$$-(f(x)x - f(x) + 1)^3$$

Sequence: A146402
Score: 5.15551
Type of gen. func.: ogf

$$(f(x)x - f(x) + 1)^2$$

Sequence: A146407
Score: 7.10285
Type of gen. func.: ogf

$$-(f(x)x - f(x) + 1)^3$$

Sequence: A146410
Score: 5.15551
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^2$$

Sequence: A146415
Score: 7.71813
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A146423
Score: 7.00216
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A146426
Score: 9.66657
Type of gen. func.: lgdegf]

$$1 - 3 f(x) + 3 f(x)^2 - f(x)^3$$

Sequence: A146439
Score: 7.03886
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A146442
Score: 9.13689
Type of gen. func.: lgdegf]

$$1 - 3 f(x) + 3 f(x)^2 - f(x)^3$$

Sequence: A146443
Score: 6.39971
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A146455
Score: 8.237
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A146458
Score: 10.7296
Type of gen. func.: lgdegf]

$$1 - 3 f(x) + 3 f(x)^2 - f(x)^3$$

Sequence: A146463
Score: 7.97756
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A146466
Score: 5.15551
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^2$$

Sequence: A146501
Score: 13.8749
Type of gen. func.: ogf

$$-\frac{2 x^3 - x^2 + 4 x + 4}{}$$

$$(x-1)(x+1)(x^2-x+1)$$

Sequence: A146501
Score: 6.09033
Type of gen. func.: lgdogf

$$-\frac{2x^6-2x^5+13x^4+4x^3-5x^2-2x+8}{(x-1)(x+1)(x^2-x+1)(2x^3-x^2+4x+4)}$$

Sequence: A146501
Score: 9.86979
Type of gen. func.: ogf

$$-f(x)x^4+f(x)x^3-2x^3-f(x)x+x^2+f(x)-4x-4$$

Sequence: A146507
Score: 11.5522
Type of gen. func.: ogf

$$\frac{29x^2+12x+1}{(x+1)(x-1)^2}$$

Sequence: A146507
Score: 6.11585
Type of gen. func.: ogf

$$-(2f(x)+547)(f(x)x^3-f(x)x^2-f(x)x-29x^2+f(x)-12x-1)$$

Sequence: A146507
Score: 6.38409
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 13, a(2) = 43}

Sequence: A146509
Score: 13.5086
Type of gen. func.: ogf

$$\frac{13 x^2 + 4 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A146509
Score: 16.4301
Type of gen. func.: lgdogf

$$-\frac{13 x^3 + 21 x^2 + 33 x + 5}{(x - 1) (x + 1) (13 x^2 + 4 x + 1)}$$

Sequence: A146509
Score: 6.97944
Type of gen. func.: ogf

$$-(58 f(x) + 1869) (f(x) x^3 - f(x) x^2 - f(x) x - 13 x^2 + f(x) - 4 x - 1)$$

Sequence: A146509
Score: 7.41179
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 5, a(2) = 19\}$$

Sequence: A146510
Score: 13.3793
Type of gen. func.: ogf

$$\frac{11 x^2 + 3 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A146510
Score: 16.2698

Type of gen. func.: lgdogf

$$-\frac{11 x^3 + 17 x^2 + 28 x + 4}{(x - 1) (x + 1) (11 x^2 + 3 x + 1)}$$

Sequence: A146510
Score: 7.15102
Type of gen. func.: ogf

$$(25 f(x) + 5223) (f(x) x^3 - f(x) x^2 - f(x) x - 11 x^2 + f(x) - 3 x - 1)$$

Sequence: A146510
Score: 7.34086
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 4, a(2) = 16}

Sequence: A146511
Score: 13.0963
Type of gen. func.: ogf

$$\frac{49 x^2 + 12 x + 5}{(x + 1) (x - 1)^2}$$

Sequence: A146511
Score: 6.70785
Type of gen. func.: ogf

$$-(426 f(x) + 39175) (f(x) x^3 - f(x) x^2 - f(x) x - 49 x^2 + f(x) - 12 x - 5)$$

Sequence: A146511
Score: 7.23742
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 5, a(1) = 17, a(2) = 71}

Sequence: A146511
Score: 7.50390
Type of gen. func.: lgdogf

$$-\frac{49 x^3 + 73 x^2 + 125 x + 17}{(x - 1) (x + 1) (49 x^2 + 12 x + 5)}$$

Sequence: A146512
Score: 13.6598
Type of gen. func.: ogf

$$\frac{9 x^2 + 2 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A146512
Score: 14.5886
Type of gen. func.: lgdogf

$$-\frac{9 x^3 + 13 x^2 + 23 x + 3}{(x - 1) (x + 1) (9 x^2 + 2 x + 1)}$$

Sequence: A146512
Score: 6.94373
Type of gen. func.: ogf

$$-(147 f(x) + 2302) (f(x) x^3 - f(x) x^2 - f(x) x - 9 x^2 + f(x) - 2 x - 1)$$

Sequence: A146512
Score: 7.37387
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 3, a(2) = 13\}$$

Sequence: A146523
Score: 10.9752
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 5\}$$

Sequence: A146523
Score: 17.5602
Type of gen. func.: ogf

$$-2 f(x) x + f(x) - 3 x - 1$$

Sequence: A146523
Score: 21.3571
Type of gen. func.: ogf

$$- \frac{3 x + 1}{-1 + 2 x}$$

Sequence: A146523
Score: 22.1779
Type of gen. func.: revogf

$$- 1/6 - x/3 + \frac{(4 x^2 + 16 x + 1)^{1/2}}{6}$$

Sequence: A146523
Score: 43.1236
Type of gen. func.: lgdogf

$$- \frac{5}{(3 x + 1) (-1 + 2 x)}$$

Sequence: A146528
Score: 12.4401
Type of gen. func.: ogf

$$- \frac{2 (x^2 + 3 x - 2)}{(-1 + 2 x) (x - 1)}$$

Sequence: A146528
Score: 15.7461
Type of gen. func.: lgdogf

$$-\frac{9 x^2 - 10 x + 3}{(x - 1) (-1 + 2 x) (x^2 + 3 x - 2)}$$

Sequence: A146528
Score: 6.46398
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 2 a(n + 1), a(0) = 4, a(1) = 6, a(2) = 8\}$$

Sequence: A146528
Score: 7.0141
Type of gen. func.: ogf

$$(f(x) - 22) (2 f(x) x^2 - 3 f(x) x + 2 x^2 + f(x) + 6 x - 4)$$

Sequence: A146529
Score: 12.2733
Type of gen. func.: lgdogf

$$\frac{2 x^4 - 6 x^3 - 7 x^2 + 12 x - 4}{(x - 1) (-1 + 2 x) (x^3 + 5 x - 3)}$$

Sequence: A146529
Score: 12.5277
Type of gen. func.: ogf

$$-\frac{2 (x^3 + 5 x - 3)}{(-1 + 2 x) (x - 1)}$$

Sequence: A146529
Score: 5.83186
Type of gen. func.: ogf

$$\{-a(n + 4) + 3 a(n + 3) - 2 a(n + 2), a(0) = 6, a(1) = 8, a(2) = 12, a(3) = 18\}$$

Sequence: A146529
Score: 7.19676
Type of gen. func.: ogf

$$(f(x) - 6) (2 f(x) x^2 + 2 x^3 - 3 f(x) x + f(x) + 10 x - 6)$$

Sequence: A146533
Score: 13.5125
Type of gen. func.: lgdogf

$$- \frac{7 (7 + 5 (1 - 4 x)^{1/2})}{2 (25 x + 6) (4 x - 1)}$$

Sequence: A146533
Score: 6.04235
Type of gen. func.: ogf

$$\{(-4 n - 2) a(n) + (n + 1) a(n + 1), a(0) = 1, a(1) = 7\}$$

Sequence: A146533
Score: 7.34261
Type of gen. func.: ogf

$$-4 f(x)^2 x + f(x)^2 - 20 f(x) x + 5 f(x) - 25 x - 6$$

Sequence: A146534
Score: 13.0596
Type of gen. func.: lgdogf

$$- \frac{8 (4 + 3 (1 - 4 x)^{1/2})}{(36 x + 7) (4 x - 1)}$$

Sequence: A146534
Score: 5.57031
Type of gen. func.: ogf

$$\{(-4 n - 2) a(n) + (n + 1) a(n + 1), a(0) = 1, a(1) = 8\}$$

Sequence: A146534
Score: 6.76899
Type of gen. func.: ogf

$$-4 f(x)^2 x + f(x)^2 - 24 f(x) x + 6 f(x) - 36 x - 7$$

Sequence: A146535
Score: 10.6517
Type of gen. func.: lgdogf

$$-\frac{x^7 + 2 x^6 + 15 x^5 + 25 x^4 + 9 x^3 + 21 x^2 + 10 x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^4 + 5 x^2 + 1)}$$

Sequence: A146535
Score: 10.9916
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + 5 x^2 + 1)}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A146535
Score: 6.95560
Type of gen. func.: ogf

$$\{(-2 n - 9) a(n + 1) + (2 n + 3) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 5, a(3) = 7\}$$

Sequence: A146541

Score: 10.5898
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 8\}$$

Sequence: A146541
Score: 16.9436
Type of gen. func.: ogf

$$-2 f(x) x + f(x) - 6 x - 1$$

Sequence: A146541
Score: 20.6071
Type of gen. func.: ogf

$$- \frac{6 x + 1}{-1 + 2 x}$$

Sequence: A146559
Score: 10.6949
Type of gen. func.: ogf

$$2 f(x) x^2 - 2 f(x) x + f(x) + x - 1$$

Sequence: A146559
Score: 14.9729
Type of gen. func.: ogf

$$- \frac{x - 1}{2 x^2 - 2 x + 1}$$

Sequence: A146559
Score: 22.5041
Type of gen. func.: lgdogf

$$- \frac{2 x^2 - 4 x + 1}{(x - 1) (2 x^2 - 2 x + 1)}$$

Sequence: A146559
Score: 8.21682
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A146561
Score: 3.3145
Type of gen. func.: ogf

$$(f(x) - 1034482758620689655172413793) (f(x) x^{2} - 2 f(x) x + f(x) + 689655172413793103448275862 x - 1034482758620689655172413793)$$

Sequence: A146572
Score: 7.10285
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^{3}$$

Sequence: A146575
Score: 9.13689
Type of gen. func.: lgdegf]

$$1 - 3 f(x) + 3 f(x)^{2} - f(x)^{3}$$

Sequence: A146580
Score: 7.97756
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^{3}$$

Sequence: A146583
Score: 9.66657
Type of gen. func.: lgdegf]

2 3

$$1 - 3 f(x) + 3 f(x) - f(x)$$

Sequence: A146588
Score: 7.10285
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^{3}$$

Sequence: A146591
Score: 4.6684
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^{2}$$

Sequence: A146596
Score: 6.24517
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^{3}$$

Sequence: A146599
Score: 8.10002
Type of gen. func.: lgdegf]

$$1 - 3 f(x) + 3 f(x)^{2} - f(x)^{3}$$

Sequence: A146604
Score: 52.8537
Type of gen. func.: ogf_with_Euler_transform]

$$1$$

Sequence: A146612
Score: 6.119
Type of gen. func.: ogf

^{3}

$$-(f(x) x - f(x) + 1)$$

Sequence: A146615
Score: 22.6677
Type of gen. func.: ogf_with_Euler_transform]

$$1$$

Sequence: A146615
Score: 4.59872
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^2$$

Sequence: A146628
Score: 5.99284
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A146631
Score: 22.6677
Type of gen. func.: ogf_with_Euler_transform]

$$1$$

Sequence: A146631
Score: 4.59872
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^2$$

Sequence: A146636
Score: 5.99284
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

```
------------------------------------------------------------------------------

Sequence:  A146639
Score: 22.6677
Type of gen. func.: ogf_with_Euler_transform]

                                        1


------------------------------------------------------------------------------

Sequence:  A146639
Score: 4.59872
Type of gen. func.: ogf

                                                  2
                              (f(x) x - f(x) + 1)


------------------------------------------------------------------------------

Sequence:  A146644
Score: 5.99284
Type of gen. func.: ogf

                                                  3
                             -(f(x) x - f(x) + 1)


------------------------------------------------------------------------------

Sequence:  A146646
Score: 5.86667
Type of gen. func.: ogf

                                                  3
                             -(f(x) x - f(x) + 1)


------------------------------------------------------------------------------

Sequence:  A146647
Score: 4.0527
Type of gen. func.: ogf

                                                  2
                              (f(x) x - f(x) + 1)


------------------------------------------------------------------------------

Sequence:  A146652
Score: 5.99284
Type of gen. func.: ogf

                                                  3
                             -(f(x) x - f(x) + 1)
```

Sequence: A146655
Score: 7.34122
Type of gen. func.: lgdegf]

$$1 - 3 f(x) + 3 f(x)^{2} - f(x)^{3}$$

Sequence: A146656
Score: 6.69795
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^{3}$$

Sequence: A146660
Score: 6.24517
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^{3}$$

Sequence: A146663
Score: 9.13689
Type of gen. func.: lgdegf]

$$1 - 3 f(x) + 3 f(x)^{2} - f(x)^{3}$$

Sequence: A146668
Score: 6.119
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^{3}$$

Sequence: A146671
Score: 22.6677
Type of gen. func.: ogf_with_Euler_transform]

Sequence: A146671
Score: 4.59872
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^{2}$$

Sequence: A146673
Score: 4.14497
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^{3}$$

Sequence: A146684
Score: 5.34345
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^{3}$$

Sequence: A146686
Score: 5.21918
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^{3}$$

Sequence: A146688
Score: 6.08904
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^{3}$$

Sequence: A146692
Score: 5.99284
Type of gen. func.: ogf

^{3}

```
                             -(f(x) x - f(x) + 1)



------------------------------------------------------------------------------

Sequence:  A146695
Score: 7.34122
Type of gen. func.: lgdegf]


                                             2       3
                          1 - 3 f(x) + 3 f(x)  - f(x)



------------------------------------------------------------------------------

Sequence:  A146696
Score: 6.33758
Type of gen. func.: ogf


                                                 3
                             -(f(x) x - f(x) + 1)



------------------------------------------------------------------------------

Sequence:  A146700
Score: 6.119
Type of gen. func.: ogf


                                                 3
                             -(f(x) x - f(x) + 1)



------------------------------------------------------------------------------

Sequence:  A146703
Score: 22.6677
Type of gen. func.: ogf_with_Euler_transform]


                                       1



------------------------------------------------------------------------------

Sequence:  A146703
Score: 4.59872
Type of gen. func.: ogf


                                                 2
                              (f(x) x - f(x) + 1)



------------------------------------------------------------------------------

Sequence:  A146708
Score: 6.119
Type of gen. func.: ogf


                                                 3
```

$$-(f(x)\ x - f(x) + 1)$$

Sequence: A146711
Score: 4.59872
Type of gen. func.: ogf

$$(f(x)\ x - f(x) + 1)^2$$

Sequence: A146716
Score: 5.99284
Type of gen. func.: ogf

$$-(f(x)\ x - f(x) + 1)^3$$

Sequence: A146718
Score: 6.45684
Type of gen. func.: ogf

$$(f(x)\ x - f(x) + 1)^3$$

Sequence: A146719
Score: 4.0527
Type of gen. func.: ogf

$$(f(x)\ x - f(x) + 1)^2$$

Sequence: A146724
Score: 6.87599
Type of gen. func.: ogf

$$-(f(x)\ x - f(x) + 1)^3$$

Sequence: A146727
Score: 9.66657
Type of gen. func.: lgdegf]

$$1 - 3 f(x) + 3 f(x)^2 - f(x)^3$$

Sequence: A146732
Score: 6.24517
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A146735
Score: 4.59872
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^2$$

Sequence: A146740
Score: 6.87599
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A146761
Score: 10.5836
Type of gen. func.: lgdogf

$$-\frac{3 x^6 - 2 x^5 + 11 x^4 - 8 x^3 + 5 x^2 - 2 x + 2}{(x - 1) (x^2 + 2) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A146761
Score: 8.52583
Type of gen. func.: ogf

$$-\frac{3 x^2 (x^2 + 2)}{(x - 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A146763
Score: 14.4065
Type of gen. func.: ogf

$$\frac{2 x (3 x + 2)}{(x + 1) (x - 1)^{2}}$$

Sequence: A146763
Score: 23.1170
Type of gen. func.: lgdogf

$$- \frac{6 x^{2} + 9 x + 5}{(x - 1) (3 x + 2) (x + 1)}$$

Sequence: A146763
Score: 7.14062
Type of gen. func.: ogf

$$-(115 f(x) - 374) (f(x) x^{3} - f(x) x^{2} - f(x) x - 6 x^{2} + f(x) - 4 x)$$

Sequence: A146763
Score: 7.33188
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 0, a(1) = 4, a(2) = 10\}$$

Sequence: A146777
Score: 5.99284
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^{3}$$

Sequence: A146780
Score: 4.0527
Type of gen. func.: ogf

^{2}

$$(f(x)\,x - f(x) + 1)$$

Sequence: A146785
Score: 6.24517
Type of gen. func.: ogf

$$-(f(x)\,x - f(x) + 1)^3$$

Sequence: A146788
Score: 7.34122
Type of gen. func.: lgdegf]

$$1 - 3\,f(x) + 3\,f(x)^2 - f(x)^3$$

Sequence: A146793
Score: 5.99284
Type of gen. func.: ogf

$$-(f(x)\,x - f(x) + 1)^3$$

Sequence: A146796
Score: 4.0527
Type of gen. func.: ogf

$$(f(x)\,x - f(x) + 1)^2$$

Sequence: A146801
Score: 5.99284
Type of gen. func.: ogf

$$-(f(x)\,x - f(x) + 1)^3$$

Sequence: A146804
Score: 4.19008
Type of gen. func.: ogf

```
                                          2
                          (f(x) x - f(x) + 1)


------------------------------------------------------------------------------

Sequence:  A146806
Score: 4.08971
Type of gen. func.: ogf


                                          3
                         -(f(x) x - f(x) + 1)


------------------------------------------------------------------------------

Sequence:  A146809
Score: 5.99284
Type of gen. func.: ogf


                                          3
                         -(f(x) x - f(x) + 1)


------------------------------------------------------------------------------

Sequence:  A146812
Score: 7.34122
Type of gen. func.: lgdegf]


                                      2       3
                      1 - 3 f(x) + 3 f(x)  - f(x)


------------------------------------------------------------------------------

Sequence:  A146817
Score: 6.24517
Type of gen. func.: ogf


                                          3
                         -(f(x) x - f(x) + 1)


------------------------------------------------------------------------------

Sequence:  A146820
Score: 8.23066
Type of gen. func.: lgdegf]


                                      2       3
                      1 - 3 f(x) + 3 f(x)  - f(x)


------------------------------------------------------------------------------

Sequence:  A146824
Score: 9.46237
Type of gen. func.: ogf
```

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A146825
Score: 5.23585
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A146827
Score: 5.55126
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A146828
Score: 3.91532
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^2$$

Sequence: A146829
Score: 6.29201
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^3$$

Sequence: A146833
Score: 5.99284
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A146836
Score: 4.0527
Type of gen. func.: ogf

$$(f(x)\,x - f(x) + 1)^2$$

Sequence: A146841
Score: 5.99284
Type of gen. func.: ogf

$$-(f(x)\,x - f(x) + 1)^3$$

Sequence: A146843
Score: 5.48818
Type of gen. func.: ogf

$$-(f(x)\,x - f(x) + 1)^3$$

Sequence: A146844
Score: 3.91532
Type of gen. func.: ogf

$$(f(x)\,x - f(x) + 1)^2$$

Sequence: A146849
Score: 5.99284
Type of gen. func.: ogf

$$-(f(x)\,x - f(x) + 1)^3$$

Sequence: A146851
Score: 5.92976
Type of gen. func.: ogf

$$-(f(x)\,x - f(x) + 1)^3$$

Sequence: A146852
Score: 4.0527

Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^2$$

Sequence: A146857
Score: 5.99284
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A146860
Score: 4.0527
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^2$$

Sequence: A146865
Score: 6.74983
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A146868
Score: 4.19008
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^2$$

Sequence: A146873
Score: 5.99284
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A146875

Score: 5.74051
Type of gen. func.: ogf

$$-(f(x)\, x - f(x) + 1)^{3}$$

Sequence: A146876
Score: 3.91532
Type of gen. func.: ogf

$$(f(x)\, x - f(x) + 1)^{2}$$

Sequence: A146877
Score: 6.15118
Type of gen. func.: ogf

$$-(f(x)\, x - f(x) + 1)^{3}$$

Sequence: A146882
Score: 14.3243
Type of gen. func.: revogf

$$-\frac{-5 - 5\, x + (5 + x)^{1/2}\, (5 + 9\, x)^{1/2}}{8\, x}$$

Sequence: A146882
Score: 18.1716
Type of gen. func.: ogf

$$\frac{5}{(4\, x - 1)\, (x - 1)}$$

Sequence: A146882
Score: 24.4707
Type of gen. func.: lgdogf

$$-\frac{-5 + 8\, x}{(4\, x - 1)\, (x - 1)}$$

Sequence: A146882
Score: 6.97282
Type of gen. func.: ogf

$$(341 f(x) + 1420) (4 f(x) x^2 - 5 f(x) x + f(x) - 5)$$

Sequence: A146882
Score: 7.22484
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - 4 a(n), a(0) = 5, a(1) = 25\}$$

Sequence: A146883
Score: 16.4912
Type of gen. func.: revogf

$$- \frac{-3 - 3 x + (4 x^2 + 18 x + 9)^{1/2}}{5 x}$$

Sequence: A146883
Score: 18.3594
Type of gen. func.: ogf

$$\frac{6}{(5 x - 1) (x - 1)}$$

Sequence: A146883
Score: 23.7473
Type of gen. func.: lgdogf

$$- \frac{2 (-3 + 5 x)}{(5 x - 1) (x - 1)}$$

Sequence: A146883
Score: 7.04488
Type of gen. func.: ogf

$$(781 f(x) + 3090) (5 f(x) x^2 - 6 f(x) x + f(x) - 6)$$

Sequence: A146883
Score: 7.29951
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 5 a(n), a(0) = 6, a(1) = 36\}$$

Sequence: A146884
Score: 14.9787
Type of gen. func.: revogf

$$-\frac{-7 - 7 x + (25 x^2 + 98 x + 49)^{1/2}}{12 x}$$

Sequence: A146884
Score: 18.0652
Type of gen. func.: ogf

$$\frac{7}{(6 x - 1) (x - 1)}$$

Sequence: A146884
Score: 24.3403
Type of gen. func.: lgdogf

$$-\frac{-7 + 12 x}{(6 x - 1) (x - 1)}$$

Sequence: A146884
Score: 6.85231
Type of gen. func.: ogf

$$(1555 f(x) + 5922) (6 f(x) x^2 - 7 f(x) x + f(x) - 7)$$

Sequence: A146884
Score: 7.18253
Type of gen. func.: ogf

$$\{-a(n+2) + 7\,a(n+1) - 6\,a(n),\ a(0) = 7,\ a(1) = 49\}$$

Sequence: A146885
Score: 15.1201
Type of gen. func.: revogf

$$-\frac{-4 - 4x + (9x^2 + 32x + 16)^{1/2}}{7x}$$

Sequence: A146885
Score: 17.3097
Type of gen. func.: ogf

$$\frac{8}{(7x - 1)(x - 1)}$$

Sequence: A146885
Score: 22.3777
Type of gen. func.: lgdogf

$$-\frac{2(-4 + 7x)}{(7x - 1)(x - 1)}$$

Sequence: A146885
Score: 6.49115
Type of gen. func.: ogf

$$(2801 f(x) + 10360)(7 f(x) x^2 - 8 f(x) x + f(x) - 8)$$

Sequence: A146885
Score: 6.88218
Type of gen. func.: ogf

$$\{-a(n+2) + 8\,a(n+1) - 7\,a(n),\ a(0) = 8,\ a(1) = 64\}$$

Sequence: A146919
Score: 5.09492
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A146923
Score: 5.15705
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A146946
Score: 15.294
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A146947
Score: 15.2045
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A146951
Score: 15.0545
Type of gen. func.: lgdogf

$$-\frac{4 x^2 + 11 x + 5}{(x - 1) (2 x + 3) (x + 1)}$$

Sequence: A146951
Score: 4.93906
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 0, a(1) = 6, a(2) = 10\}$$

Sequence: A146951
Score: 8.16461
Type of gen. func.: ogf

$$-f(x) (f(x) x^3 - f(x) x^2 - f(x) x - 4 x^2 + f(x) - 6 x)$$

Sequence: A146951
Score: 9.70482
Type of gen. func.: ogf

$$\frac{2 x (2 x + 3)}{(x + 1) (x - 1)^2}$$

Sequence: A146953
Score: 18.4084
Type of gen. func.: egf]

$$-(f(x) - 1)^3$$

Sequence: A146962
Score: 12.3654
Type of gen. func.: ogf

$$-\frac{5 x - 1}{19 x^2 - 10 x + 1}$$

Sequence: A146962
Score: 14.2297
Type of gen. func.: lgdogf

$$-\frac{95 x^2 - 38 x + 5}{(5 x - 1) (19 x^2 - 10 x + 1)}$$

Sequence: A146962
Score: 6.24916
Type of gen. func.: ogf

$$-(12 f(x) + 13) (19 f(x) x^2 - 10 f(x) x + f(x) + 5 x - 1)$$

Sequence: A146962
Score: 6.91871
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 19 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A146963
Score: 12.5164
Type of gen. func.: ogf

$$-\frac{3 x - 1}{2 x^2 - 6 x + 1}$$

Sequence: A146963
Score: 15.3072
Type of gen. func.: lgdogf

$$-\frac{6 x^2 - 4 x + 3}{(3 x - 1) (2 x^2 - 6 x + 1)}$$

Sequence: A146963
Score: 6.25818
Type of gen. func.: ogf

$$-(14 f(x) - 5) (2 f(x) x^2 - 6 f(x) x + f(x) + 3 x - 1)$$

Sequence: A146963
Score: 6.86873
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A146964
Score: 13.6665
Type of gen. func.: ogf

$$-\frac{4 x - 1}{9 x^2 - 8 x + 1}$$

Sequence: A146964
Score: 15.4568
Type of gen. func.: lgdogf

$$-\frac{2 (18 x^2 - 9 x + 2)}{(4 x - 1) (9 x^2 - 8 x + 1)}$$

Sequence: A146964
Score: 6.91004
Type of gen. func.: ogf

$$-(7 f(x) + 1) (9 f(x) x^2 - 8 f(x) x + f(x) + 4 x - 1)$$

Sequence: A146964
Score: 7.49991
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 9 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A146965
Score: 12.4291
Type of gen. func.: ogf

$$-\frac{5 x - 1}{18 x^2 - 10 x + 1}$$

Sequence: A146965
Score: 14.3046
Type of gen. func.: lgdogf

$$-\frac{90 x^2 - 36 x + 5}{(5 x - 1) (18 x^2 - 10 x + 1)}$$

Sequence: A146965
Score: 6.28137
Type of gen. func.: ogf

$$-(14 f(x) + 11) (18 f(x) x^2 - 10 f(x) x + f(x) + 5 x - 1)$$

Sequence: A146965
Score: 6.95437
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 18 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A146966
Score: 13.1302
Type of gen. func.: ogf

$$-\frac{6 x - 1}{29 x^2 - 12 x + 1}$$

Sequence: A146966
Score: 14.4080
Type of gen. func.: lgdogf

$$-\frac{2 (87 x^2 - 29 x + 3)}{(6 x - 1) (29 x^2 - 12 x + 1)}$$

Sequence: A146966
Score: 6.70784
Type of gen. func.: ogf

$$-(7 f(x) + 11) (29 f(x) x^2 - 12 f(x) x + f(x) + 6 x - 1)$$

Sequence: A146966
Score: 7.34667
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 29 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A146976
Score: 17.7486
Type of gen. func.: egf]

$$-(f(x) - 1)^3$$

Sequence: A146983
Score: 11.9642
Type of gen. func.: ogf

$$\frac{x^2 - x + 1}{(x + 1) (x^2 - 4 x + 1)}$$

Sequence: A146983
Score: 13.5242
Type of gen. func.: lgdogf

$$- \frac{x^4 - 2 x^3 + 9 x^2 - 8 x - 2}{(x + 1) (x^2 - 4 x + 1) (x^2 - x + 1)}$$

Sequence: A146983
Score: 6.23772
Type of gen. func.: ogf

$$-(75 f(x) + 56) (f(x) x^3 - 3 f(x) x^2 - 3 f(x) x - x^2 + f(x) + x - 1)$$

Sequence: A146983
Score: 6.45853
Type of gen. func.: ogf

```
   {a(n + 3) - 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 1, a(1) = 2, a(2) = 10}
```

Sequence: A146989
Score: 14.1309
Type of gen. func.: ogf

```
                             4       3    2
                            x  + 13 x  + x  + 2 x + 15
                        - ------------------------------
                                    4    3    2
                          (x - 1) (x  + x  + x  + x + 1)
```

Sequence: A146989
Score: 9.38292
Type of gen. func.: lgdogf

```
             8       7      6      5       4      3       2
            x  + 26 x  + 3 x  + 8 x  + 75 x  + 4 x  + 39 x  + 2 x + 2
         - -----------------------------------------------------------
                     4    3    2            4       3    2
           (x - 1) (x  + x  + x  + x + 1) (x  + 13 x  + x  + 2 x + 15)
```

Sequence: A146994
Score: 6.81638
Type of gen. func.: lgdogf

```
      10      9       8      7       6       5       4       3       2
- (4 x   + 6 x  + 10 x  + 5 x  + 23 x  + 16 x  + 16 x  + 10 x  + 10 x  + 5 x

            /                    2            2
     + 3)  /  ((x - 1) (x + 1) (x  + x + 1) (x  - x + 1)
          /

      5    4    3
    (x  + x  + x  + 2 x + 1))
```

Sequence: A146994
Score: 7.71517
Type of gen. func.: ogf

```
                              5    4    3
                             x  + x  + x  + 2 x + 1
                 - -------------------------------------------
                     2            2                 2        3
```

$$(x + x + 1) (x - x + 1) (x + 1) (x - 1)$$

Sequence: A147007
Score: 3.97652
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^{3}$$

Sequence: A147008
Score: 3.23092
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^{3}$$

Sequence: A147009
Score: 4.78425
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^{3}$$

Sequence: A147013
Score: 15.3402
Type of gen. func.: lgdegf]

$$1 - 3 f(x) + 3 f(x)^{2} - f(x)^{3}$$

Sequence: A147016
Score: 4.22742
Type of gen. func.: ogf

$$-(f(x) - 2) (f(x) x - f(x) + 1)^{2}$$

Sequence: A147021
Score: 16.5620
Type of gen. func.: lgdegf]

$$1 - 3 f(x) + 3 f(x)^2 - f(x)^3$$

Sequence: A147024
Score: 11.9404
Type of gen. func.: lgdegf]

$$1 - 3 f(x) + 3 f(x)^2 - f(x)^3$$

Sequence: A147028
Score: 9.65162
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A147029
Score: 5.36201
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A147031
Score: 5.80359
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A147032
Score: 3.91532
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^2$$

Sequence: A147037
Score: 2.02976
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x - f(x) + 1)^{2}$$

Sequence: A147041
Score: 3.46282
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^{3}$$

Sequence: A147049
Score: 2.36806
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x - f(x) + 1)^{2}$$

Sequence: A147053
Score: 5.99284
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^{3}$$

Sequence: A147056
Score: 4.0527
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^{2}$$

Sequence: A147069
Score: 15.0687
Type of gen. func.: lgdegf]

$$1 - 3 f(x) + 3 f(x)^{2} - f(x)^{3}$$

Sequence: A147072
Score: 3.54179
Type of gen. func.: ogf

$$-(f(x) - 2) (f(x) x - f(x) + 1)^2$$

Sequence: A147077
Score: 12.9770
Type of gen. func.: lgdegf]

$$1 - 3 f(x) + 3 f(x)^2 - f(x)^3$$

Sequence: A147080
Score: 10.1622
Type of gen. func.: lgdegf]

$$1 - 3 f(x) + 3 f(x)^2 - f(x)^3$$

Sequence: A147092
Score: 10.7665
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A147096
Score: 33.3050
Type of gen. func.: ogf_with_Euler_transform]

$$1$$

Sequence: A147108
Score: 9.06591
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^3$$

Sequence: A147109
Score: 5.48818
Type of gen. func.: ogf

$$-(f(x)\ x - f(x) + 1)^3$$

Sequence: A147111
Score: 5.48818
Type of gen. func.: ogf

$$-(f(x)\ x - f(x) + 1)^3$$

Sequence: A147112
Score: 3.91532
Type of gen. func.: ogf

$$(f(x)\ x - f(x) + 1)^2$$

Sequence: A147113
Score: 5.77838
Type of gen. func.: ogf

$$-(f(x)\ x - f(x) + 1)^3$$

Sequence: A147116
Score: 9.13357
Type of gen. func.: ogf

$$(f(x)\ x - f(x) + 1)^3$$

Sequence: A147117
Score: 5.48818
Type of gen. func.: ogf

$$-(f(x)\ x - f(x) + 1)^3$$

Sequence: A147119
Score: 5.48818

Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^{3}$$

Sequence: A147120
Score: 3.91532
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^{2}$$

Sequence: A147121
Score: 5.77838
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^{3}$$

Sequence: A147124
Score: 8.20157
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^{3}$$

Sequence: A147125
Score: 4.78425
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^{3}$$

Sequence: A147127
Score: 4.78425
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^{3}$$

Sequence: A147128

Score: 3.45046
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^{2}$$

Sequence: A147129
Score: 6.22436
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^{3}$$

Sequence: A147133
Score: 5.34345
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^{3}$$

Sequence: A147135
Score: 4.78425
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^{3}$$

Sequence: A147136
Score: 3.58577
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^{2}$$

Sequence: A147140
Score: 12.9241
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^{3}$$

Sequence: A147145
Score: 2.45263
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x - f(x) + 1)^2$$

Sequence: A147148
Score: 11.0591
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^3$$

Sequence: A147149
Score: 5.74051
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A147151
Score: 5.99284
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A147152
Score: 4.45937
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^2$$

Sequence: A147153
Score: 6.76561
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^3$$

```
Sequence:  A147156
Score: 2.50795
Type of gen. func.: ogf


                                                   2
                                 (f(x) x - f(x) + 1)


--------------------------------------------------------------------------------

Sequence:  A147156
Score: 8.41046
Type of gen. func.: ogf_with_Euler_transform]

                                         [1]


--------------------------------------------------------------------------------

Sequence:  A147158
Score: 6.11670
Type of gen. func.: ogf_with_Euler_transform]

                                         [1]


--------------------------------------------------------------------------------

Sequence:  A147159
Score: 3.91532
Type of gen. func.: ogf


                                                   2
                                 (f(x) x - f(x) + 1)


--------------------------------------------------------------------------------

Sequence:  A147160
Score: 5.90265
Type of gen. func.: ogf


                                                   3
                                -(f(x) x - f(x) + 1)


--------------------------------------------------------------------------------

Sequence:  A147164
Score: 5.99284
Type of gen. func.: ogf


                                                   3
                                -(f(x) x - f(x) + 1)


--------------------------------------------------------------------------------
```

Sequence: A147166
Score: 5.86667
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A147167
Score: 4.0527
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^2$$

Sequence: A147171
Score: 8.2637
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A147172
Score: 5.23585
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A147174
Score: 5.48818
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A147175
Score: 3.91532
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^2$$

Sequence: A147176
Score: 5.77838
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A147180
Score: 5.99284
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A147182
Score: 5.86667
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A147187
Score: 15.3402
Type of gen. func.: lgdegf]

$$1 - 3 f(x) + 3 f(x)^2 - f(x)^3$$

Sequence: A147199
Score: 7.32898
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A147203
Score: 5.99284
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A147205
Score: 5.74051
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A147206
Score: 3.91532
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^2$$

Sequence: A147207
Score: 6.15118
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A147208
Score: 4.03444
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A147211
Score: 6.24517
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A147214
Score: 8.23066
Type of gen. func.: lgdegf]

$$1 - 3 f(x) + 3 f(x)^2 - f(x)^3$$

Sequence: A147215
Score: 6.39971
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^{3}$$

Sequence: A147220
Score: 6.49899
Type of gen. func.: ogf_with_Euler_transform]

$$[1]$$

Sequence: A147221
Score: 2.22296
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^{2}$$

Sequence: A147233
Score: 5.99284
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^{3}$$

Sequence: A147236
Score: 7.34122
Type of gen. func.: lgdegf]

$$1 - 3 f(x) + 3 f(x)^{2} - f(x)^{3}$$

Sequence: A147241
Score: 6.24517
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^{3}$$

Sequence: A147244
Score: 8.23066
Type of gen. func.: lgdegf]

$$1 - 3 f(x) + 3 f(x)^2 - f(x)^3$$

Sequence: A147249
Score: 15.0687
Type of gen. func.: lgdegf]

$$1 - 3 f(x) + 3 f(x)^2 - f(x)^3$$

Sequence: A147253
Score: 7.26412
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A147258
Score: 6.49899
Type of gen. func.: ogf_with_Euler_transform]

[1]

Sequence: A147262
Score: 10.6469
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^3$$

Sequence: A147263
Score: 5.48818
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A147265
Score: 5.99284
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A147266
Score: 3.91532
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^2$$

Sequence: A147267
Score: 6.42733
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^3$$

Sequence: A147270
Score: 7.65576
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^3$$

Sequence: A147273
Score: 5.01327
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A147276
Score: 9.40419
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^3$$

Sequence: A147277
Score: 5.74051
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A147280
Score: 3.91532
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^2$$

Sequence: A147281
Score: 6.49498
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^3$$

Sequence: A147284
Score: 2.56495
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^2$$

Sequence: A147284
Score: 8.60162
Type of gen. func.: ogf_with_Euler_transform]

[1]

Sequence: A147286
Score: 6.30785
Type of gen. func.: ogf_with_Euler_transform]

[1]

Sequence: A147287
Score: 5.25782
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A147296
Score: 13.6181
Type of gen. func.: ogf

$$-\frac{x (7 x + 11)}{(x - 1)^3}$$

Sequence: A147296
Score: 29.9449
Type of gen. func.: lgdogf

$$-\frac{2 (20 + 7 x)}{(7 x + 11) (x - 1)}$$

Sequence: A147296
Score: 6.63741
Type of gen. func.: ogf

$$(689148 f(x) - 4605809) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 7 x^2 - f(x) + 11 x)$$

Sequence: A147296
Score: 6.98984
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 0, a(1) = 11, a(2) = 40\}$$

Sequence: A147307
Score: 2.15539
Type of gen. func.: ogf

$$-(f(x)\,x - f(x) + 1)$$

Sequence: A147316
Score: 15.3492
Type of gen. func.: ogf

$$-\frac{10946\,x - 6765}{x^{2} + x - 1}$$

Sequence: A147316
Score: 7.8251
Type of gen. func.: ogf

$$(9349\,f(x) + 45765224)\,(f(x)\,x^{2} + f(x)\,x - f(x) + 10946\,x - 6765)$$

Sequence: A147316
Score: 9.07001
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n),\ a(0) = -6765,\ a(1) = 4181\}$$

Sequence: A147320
Score: 2.40716
Type of gen. func.: ogf

$$(f(x)\,x - f(x) + 1)^{2}$$

Sequence: A147328
Score: 2.76332
Type of gen. func.: ogf

$$-(f(x)\,x - f(x) + 1)^{3}$$

Sequence: A147331
Score: 3.03965
Type of gen. func.: ogf

$$-(f(x)\,x - f(x) + 1)^3$$

Sequence: A147334
Score: 2.81858
Type of gen. func.: ogf

$$-(f(x)\,x - f(x) + 1)^3$$

Sequence: A147336
Score: 2.52751
Type of gen. func.: ogf

$$(f(x)\,x - f(x) + 1)^2$$

Sequence: A147337
Score: 3.49038
Type of gen. func.: ogf

$$(f(x)\,x - f(x) + 1)^3$$

Sequence: A147340
Score: 11.6684
Type of gen. func.: lgdegf]

$$1 - 3\,f(x) + 3\,f(x)^2 - f(x)^3$$

Sequence: A147341
Score: 2.76332
Type of gen. func.: ogf

$$-(f(x)\,x - f(x) + 1)^3$$

Sequence: A147342
Score: 2.22662
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^{2}$$

Sequence: A147343
Score: 3.2581
Type of gen. func.: ogf

$$-(f(x) - 2) (f(x) x - f(x) + 1)^{2}$$

Sequence: A147344
Score: 6.6804
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^{3}$$

Sequence: A147345
Score: 3.03965
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^{3}$$

Sequence: A147358
Score: 2.88576
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^{3}$$

Sequence: A147359
Score: 3.59231
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^{3}$$

Sequence: A147377
Score: 10.5229

Type of gen. func.: ogf

$$(f(x)\ x - f(x) + 1)^{3}$$

Sequence: A147378
Score: 12.0708
Type of gen. func.: lgdegf]

$$1 - 3\ f(x) + 3\ f(x)^{2} - f(x)^{3}$$

Sequence: A147380
Score: 11.9367
Type of gen. func.: lgdegf]

$$1 - 3\ f(x) + 3\ f(x)^{2} - f(x)^{3}$$

Sequence: A147381
Score: 22.2463
Type of gen. func.: ogf_with_Euler_transform]

$$1$$

Sequence: A147381
Score: 3.0267
Type of gen. func.: ogf

$$-(f(x) - 2)\ (f(x)\ x - f(x) + 1)^{2}$$

Sequence: A147382
Score: 6.14301
Type of gen. func.: ogf

$$-(f(x)\ x - f(x) + 1)^{3}$$

Sequence: A147386
Score: 2.32119

Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A147388
Score: 2.22662
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^2$$

Sequence: A147391
Score: 3.55055
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^3$$

Sequence: A147393
Score: 2.52177
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^2$$

Sequence: A147395
Score: 2.11125
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^2$$

Sequence: A147395
Score: 7.10294
Type of gen. func.: ogf_with_Euler_transform]

$$[1]$$

Sequence: A147398
Score: 10.8313

```
Type of gen. func.: ogf


                                          3
                              -(f(x) x - f(x) + 1)


-------------------------------------------------------------------------------

Sequence:  A147403
Score: 7.32898
Type of gen. func.: ogf


                                          3
                              -(f(x) x - f(x) + 1)


-------------------------------------------------------------------------------

Sequence:  A147438
Score: 2.89581
Type of gen. func.: ogf


                                          2
                               (f(x) x - f(x) + 1)


-------------------------------------------------------------------------------

Sequence:  A147440
Score: 2.64936
Type of gen. func.: ogf


                                          2
                               (f(x) x - f(x) + 1)


-------------------------------------------------------------------------------

Sequence:  A147441
Score: 2.21807
Type of gen. func.: ogf


                                          2
                               (f(x) x - f(x) + 1)


-------------------------------------------------------------------------------

Sequence:  A147442
Score: 2.82917
Type of gen. func.: ogf


                                          3
                              -(f(x) x - f(x) + 1)


-------------------------------------------------------------------------------

Sequence:  A147445
```

Score: 11.3704
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^3$$

Sequence: A147446
Score: 13.2779
Type of gen. func.: lgdegf]

$$1 - 3 f(x) + 3 f(x)^2 - f(x)^3$$

Sequence: A147448
Score: 2.34698
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^2$$

Sequence: A147454
Score: 12.9770
Type of gen. func.: lgdegf]

$$1 - 3 f(x) + 3 f(x)^2 - f(x)^3$$

Sequence: A147457
Score: 9.09553
Type of gen. func.: lgdegf]

$$1 - 3 f(x) + 3 f(x)^2 - f(x)^3$$

Sequence: A147464
Score: 2.71098
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^2$$

Sequence: A147474
Score: 3.61073
Type of gen. func.: ogf

$$(f(x)\, x - f(x) + 1)^{3}$$

Sequence: A147478
Score: 2.64936
Type of gen. func.: ogf

$$(f(x)\, x - f(x) + 1)^{2}$$

Sequence: A147491
Score: 14.0826
Type of gen. func.: lgdegf]

$$1 - 3\, f(x) + 3\, f(x)^{2} - f(x)^{3}$$

Sequence: A147493
Score: 2.2868
Type of gen. func.: ogf

$$(f(x)\, x - f(x) + 1)^{2}$$

Sequence: A147494
Score: 3.54987
Type of gen. func.: ogf

$$-(f(x) - 2)\, (f(x)\, x - f(x) + 1)^{2}$$

Sequence: A147498
Score: 3.73451
Type of gen. func.: ogf

$$-(f(x)\, x - f(x) + 1)^{3}$$

Sequence: A147501
Score: 2.71098
Type of gen. func.: ogf

$$(f(x)\,x - f(x) + 1)^2$$

Sequence: A147504
Score: 3.59231
Type of gen. func.: ogf

$$-(f(x)\,x - f(x) + 1)^3$$

Sequence: A147507
Score: 13.1095
Type of gen. func.: lgdegf]

$$1 - 3\,f(x) + 3\,f(x)^2 - f(x)^3$$

Sequence: A147518
Score: 13.5319
Type of gen. func.: ogf

$$\frac{x - 1}{6\,x^2 + 4\,x - 1}$$

Sequence: A147518
Score: 14.2041
Type of gen. func.: revogf

$$\frac{-4\,x - 1 + (40\,x^2 + 4\,x + 1)^{1/2}}{2\,(6\,x - 1)}$$

Sequence: A147518
Score: 16.1235
Type of gen. func.: lgdogf

$$^2$$

$$-\frac{3 (2 x - 4 x - 1)}{(x - 1) (6 x^2 + 4 x - 1)}$$

Sequence: A147518
Score: 6.99926
Type of gen. func.: ogf

$$(14 f(x) - 11) (6 f(x) x^2 + 4 f(x) x - f(x) - x + 1)$$

Sequence: A147518
Score: 7.42604
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 6 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A147534
Score: 13.8169
Type of gen. func.: ogf

$$\frac{x^3 + x^2 + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A147534
Score: 15.1896
Type of gen. func.: lgdogf

$$-\frac{x^5 + 3 x^4 + 2 x^3 + 8 x^2 + 3 x + 1}{(x - 1) (x^2 + x + 1) (x^3 + x^2 + 1)}$$

Sequence: A147534
Score: 5.44304
Type of gen. func.: ogf

$$\{(3 n + 10) a(n + 1) + 3 a(n + 2) + 3 a(n + 3) + (-3 n - 7) a(n + 4), a(0) = 1,$$
$$a(1) = 1, a(2) = 2, a(3) = 4\}$$

Sequence: A147534
Score: 7.30163
Type of gen. func.: ogf

$$-(171 f(x) - 235) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - x^2 + f(x) - 1)$$

Sequence: A147535
Score: 4.18312
Type of gen. func.: ogf

$$-(121 f(x) - 340)$$

$$(24 f(x) x^3 - 26 f(x) x^2 + 9 f(x) x + 32 x^2 - f(x) - 27 x + 5)$$

Sequence: A147535
Score: 4.43555
Type of gen. func.: ogf

{a(n + 3) - 9 a(n + 2) + 26 a(n + 1) - 24 a(n), a(0) = 5, a(1) = 18, a(2) = 64}

Sequence: A147535
Score: 6.69794
Type of gen. func.: lgdogf

$$-\frac{2 (384 x^4 - 648 x^3 + 387 x^2 - 98 x + 9)}{(3 x - 1) (-1 + 2 x) (4 x - 1) (32 x^2 - 27 x + 5)}$$

Sequence: A147535
Score: 7.91575
Type of gen. func.: ogf

$$-\frac{32 x^2 - 27 x + 5}{(3 x - 1) (-1 + 2 x) (4 x - 1)}$$

Sequence: A147536

Score: 10.6882
Type of gen. func.: ogf

$$-\frac{19x-5}{(4x-1)(3x-1)}$$

Sequence: A147536
Score: 11.1402
Type of gen. func.: lgdogf

$$-\frac{4(57x^2-30x+4)}{(19x-5)(3x-1)(4x-1)}$$

Sequence: A147536
Score: 11.6707
Type of gen. func.: revogf

$$-\frac{-7x-5+(x^2-6x+25)^{1/2}}{2(19+12x)}$$

Sequence: A147536
Score: 5.23277
Type of gen. func.: ogf

$$-(115 f(x)-4671)(12 f(x) x^2-7 f(x) x+f(x)+19x-5)$$

Sequence: A147536
Score: 5.98031
Type of gen. func.: ogf

$$\{a(n+2)-7a(n+1)+12a(n),\ a(0)=5,\ a(1)=16\}$$

Sequence: A147537
Score: 12.4042
Type of gen. func.: ogf

$$\frac{2(4x+1)}{(8x-1)(-1+2x)}$$

Sequence: A147537
Score: 12.6938
Type of gen. func.: lgdogf

$$-\frac{2\,(32\,x^{2}+16\,x-7)}{(4\,x+1)\,(8\,x-1)\,(-1+2\,x)}$$

Sequence: A147537
Score: 13.2842
Type of gen. func.: revogf

$$-\frac{-1-5\,x+(9\,x^{2}+18\,x+1)^{1/2}}{8\,(-1+2\,x)}$$

Sequence: A147537
Score: 6.85881
Type of gen. func.: ogf

$$\{-a(n+2)+10\,a(n+1)-16\,a(n),\ a(0)=2,\ a(1)=28\}$$

Sequence: A147537
Score: 8.10732
Type of gen. func.: ogf

$$(27\,f(x)+44)\,(16\,f(x)\,x^{2}-10\,f(x)\,x+f(x)-8\,x-2)$$

Sequence: A147538
Score: 15.4384
Type of gen. func.: revogf

$$-\frac{-1-6\,x+(4\,x^{2}+12\,x+1)^{1/2}}{32\,x}$$

Sequence: A147538

Score: 16.6571
Type of gen. func.: ogf

$$\frac{2}{(8 x - 1) (4 x - 1)}$$

Sequence: A147538
Score: 19.6973
Type of gen. func.: lgdogf

$$- \frac{4 (16 x - 3)}{(8 x - 1) (4 x - 1)}$$

Sequence: A147538
Score: 6.85881
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 32 a(n), a(0) = 2, a(1) = 24\}$$

Sequence: A147538
Score: 7.83222
Type of gen. func.: ogf

$$(5 f(x) + 8) (32 f(x) x^2 - 12 f(x) x + f(x) - 2)$$

Sequence: A147539
Score: 3.29133
Type of gen. func.: ogf

$$(294594315 f(x) + 158879536) (256 f(x) x^4 - 432 f(x) x^3 + 202 f(x) x^2$$
$$- 27 f(x) x - 136 x^2 + f(x) + 36 x - 5)$$

Sequence: A147539
Score: 6.45768
Type of gen. func.: ogf

$$\frac{136 x^2 - 36 x + 5}{}$$

$$(x - 1)\,(-1 + 2\,x)\,(8\,x - 1)\,(16\,x - 1)$$

Sequence: A147540
Score: 3.05443
Type of gen. func.: ogf

$$(413459300583\,f(x) + 182491445000)\,(1024\,f(x)\,x^{4} - 1440\,f(x)\,x^{3} + 460\,f(x)\,x^{2} - 768\,x^{3} - 45\,f(x)\,x + 128\,x^{2} + f(x) - 6\,x - 5)$$

Sequence: A147540
Score: 5.83736
Type of gen. func.: ogf

$$\frac{768\,x^{3} - 128\,x^{2} + 6\,x + 5}{(x - 1)\,(8\,x - 1)\,(32\,x - 1)\,(4\,x - 1)}$$

Sequence: A147543
Score: 4.83098
Type of gen. func.: ogf

$$(646\,f(x) + 2179)\,(30\,f(x)\,x^{3} - 31\,f(x)\,x^{2} + 10\,f(x)\,x + 41\,x^{2} - f(x) - 35\,x + 6)$$

Sequence: A147543
Score: 4.95380
Type of gen. func.: ogf

$$\{a(n + 3) - 10\,a(n + 2) + 31\,a(n + 1) - 30\,a(n),\ a(0) = 6,\ a(1) = 25,\ a(2) = 105\}$$

Sequence: A147543
Score: 7.63160
Type of gen. func.: lgdogf

$$- \frac{5\,(246\,x^{4} - 420\,x^{3} + 243\,x^{2} - 58\,x + 5)}{\qquad\qquad^{2}}$$

$$(3 x - 1) (-1 + 2 x) (5 x - 1) (41 x \quad - 35 x + 6)$$

Sequence: A147543
Score: 8.85679
Type of gen. func.: ogf

$$- \frac{41 x^{2} - 35 x + 6}{(3 x - 1) (-1 + 2 x) (5 x - 1)}$$

Sequence: A147546
Score: 4.72498
Type of gen. func.: ogf

$$(5746 f(x) + 15661)$$

$$(36 f(x) x^{3} - 36 f(x) x^{2} + 11 f(x) x + 42 x^{2} - f(x) - 41 x + 7)$$

Sequence: A147546
Score: 4.92519
Type of gen. func.: ogf

$$\{a(n + 3) - 11 a(n + 2) + 36 a(n + 1) - 36 a(n), a(0) = 7, a(1) = 36,$$

$$a(2) = 186\}$$

Sequence: A147546
Score: 7.48933
Type of gen. func.: lgdogf

$$- \frac{6 (252 x^{4} - 492 x^{3} + 295 x^{2} - 70 x + 6)}{(6 x - 1) (3 x - 1) (-1 + 2 x) (42 x^{2} - 41 x + 7)}$$

Sequence: A147546
Score: 8.80564
Type of gen. func.: ogf

$$- \frac{42 x^{2} - 41 x + 7}{(6 x - 1) (3 x - 1) (-1 + 2 x)}$$

Sequence: A147560
Score: 5.51151
Type of gen. func.: ogf

$$\{(-n^2 - 8 n - 16) a(n + 1) + (n^2 + 2 n + 1) a(n + 4), a(0) = 0, a(1) = 4, a(2) = 16, a(3) = 12\}$$

Sequence: A147560
Score: 6.99723
Type of gen. func.: ogf

$$- \frac{4 x (x + 1) (x^6 + 3 x^5 + 13 x^3 + 3 x + 1)}{(x - 1)^3 (x^2 + x + 1)^3}$$

Sequence: A147560
Score: 7.34380
Type of gen. func.: lgdogf

$$- \frac{2 (x^9 + 6 x^8 + 6 x^7 + 36 x^6 + 51 x^5 + 18 x^4 + 42 x^3 + 24 x^2 + 3 x + 2)}{(x - 1) (x + 1) (x^2 + x + 1) (x^6 + 3 x^5 + 13 x^3 + 3 x + 1)}$$

Sequence: A147567
Score: 7.92348
Type of gen. func.: ogf

$$- \frac{x^7 + 4 x^6 - x^5 + x^4 - 4 x^3 - 3 x^2 - x - 2}{x^8 - x^4 + 1}$$

Sequence: A147574
Score: 3.38063
Type of gen. func.: ogf

$$510510 (x^{16} + 2 x^{15} + 19 x^6 + 15 x^5 + 12 x^4 + 9 x^3 + 6 x^2 + 3 x + 1)$$

```
     - ---------------------------------------------------------------------
                   16       15        8        7    6    2
                3 x   - 2 x   - 19 x  + 23 x  - x  - x  - x - 1
```

Sequence: A147575
Score: 11.9062
Type of gen. func.: revogf

$$\frac{9699690 x}{(4849845 + (23520996524025 + 9699690 x)^{1/2})^{2}}$$

Sequence: A147575
Score: 16.8026
Type of gen. func.: ogf

$$\frac{9699690}{(x - 1)^{2}}$$

Sequence: A147575
Score: 49.6491
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A147575
Score: 6.89789
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 9699690, a(1) = 19399380\}$$

Sequence: A147575
Score: 80.3670
Type of gen. func.: lgdogf

$$- \frac{2}{x - 1}$$

Sequence: A147581
Score: 26.5782
Type of gen. func.: ogf_with_Euler_transform]

$$[3 - x]$$

Sequence: A147585
Score: 30.6912
Type of gen. func.: lgdegf]

$$-5 + (1 - 7 x) f(x)$$

Sequence: A147585
Score: 5.29159
Type of gen. func.: revegf]

$$- \frac{(1 - 2 x)^{1/2}}{7} + \frac{6 (1 - 2 x)^{1/2} x}{7} - \frac{12 (1 - 2 x)^{1/2} x^{2}}{7} + \frac{8 (1 - 2 x)^{1/2} x^{3}}{7} + 1/7$$

Sequence: A147585
Score: 5.29439
Type of gen. func.: ogf

$$\{(-7 n - 12) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 5\}$$

Sequence: A147587
Score: 18.2633
Type of gen. func.: ogf

$$\frac{7 (x + 1)}{(x - 1)^{2}}$$

Sequence: A147587
Score: 22.3880
Type of gen. func.: revogf

$$- \frac{-7 - 2 x + (49 + 56 x)^{1/2}}{}$$

```
                                    2 (-7 + x)



------------------------------------------------------------------------------

Sequence:  A147587
Score: 38.9480
Type of gen. func.: ogf_with_Euler_transform]


                                     [3 - x]



------------------------------------------------------------------------------

Sequence:  A147587
Score: 44.7760
Type of gen. func.: lgdogf


                                       x + 3
                                 - ---------------
                                   (x - 1) (x + 1)



------------------------------------------------------------------------------

Sequence:  A147587
Score: 9.33921
Type of gen. func.: ogf


                                      2
             (16 f(x) + 455) (f(x) x  - 2 f(x) x + f(x) - 7 x - 7)



------------------------------------------------------------------------------

Sequence:  A147587
Score: 9.90181
Type of gen. func.: ogf


              {-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 7, a(1) = 21}



------------------------------------------------------------------------------

Sequence:  A147589
Score: 4.51089
Type of gen. func.: ogf


                                         2
      (11011 f(x) + 1310) (10000 f(x) x  - 1010 f(x) x + f(x) - 100 x - 1)



------------------------------------------------------------------------------

Sequence:  A147589
Score: 4.95218
Type of gen. func.: ogf


        {-a(n + 2) + 1010 a(n + 1) - 10000 a(n), a(0) = 1, a(1) = 1110}
```

Sequence: A147589
Score: 7.68982
Type of gen. func.: lgdogf

$$-\frac{10\,(100000\,x^2 + 2000\,x - 111)}{(100\,x + 1)\,(1000\,x - 1)\,(10\,x - 1)}$$

Sequence: A147589
Score: 7.82473
Type of gen. func.: revogf

$$-\frac{-1 - 1010\,x + (980100\,x^2 + 2420\,x + 1)^{1/2}}{200\,(-1 + 100\,x)}$$

Sequence: A147589
Score: 8.43706
Type of gen. func.: ogf

$$\frac{100\,x + 1}{(1000\,x - 1)\,(10\,x - 1)}$$

Sequence: A147590
Score: 13.4489
Type of gen. func.: ogf

$$\frac{4\,x + 1}{(8\,x - 1)\,(-1 + 2\,x)}$$

Sequence: A147590
Score: 14.0935
Type of gen. func.: revogf

$$-\frac{-10\,x - 1 + (36\,x^2 + 36\,x + 1)^{1/2}}{8\,(4\,x - 1)}$$

Sequence: A147590
Score: 14.0935
Type of gen. func.: lgdogf

$$-\frac{2\,(32\,x^{2}+16\,x-7)}{(4\,x+1)\,(8\,x-1)\,(-1+2\,x)}$$

Sequence: A147590
Score: 7.10224
Type of gen. func.: ogf

$$(27\,f(x)+22)\,(16\,f(x)\,x^{2}-10\,f(x)\,x+f(x)-4\,x-1)$$

Sequence: A147590
Score: 7.43646
Type of gen. func.: ogf

$$\{-a(n+2)+10\,a(n+1)-16\,a(n),\ a(0)=1,\ a(1)=14\}$$

Sequence: A147592
Score: 12.2175
Type of gen. func.: ogf

$$\frac{1}{(x^{3}+x^{2}-1)\,(x^{3}-x-1)}$$

Sequence: A147592
Score: 14.8512
Type of gen. func.: lgdogf

$$-\frac{6\,x^{5}+5\,x^{4}-4\,x^{3}-9\,x^{2}-2\,x+1}{(x^{3}+x^{2}-1)\,(x^{3}-x-1)}$$

Sequence: A147593
Score: 12.5574
Type of gen. func.: ogf

$$\frac{1}{(x^4 - x^3 - 1)(x^4 + x - 1)}$$

Sequence: A147593
Score: 13.8738
Type of gen. func.: lgdogf

$$-\frac{8 x^7 - 7 x^6 + 5 x^4 - 12 x^3 + 3 x^2 - 1}{(x^4 - x^3 - 1)(x^4 + x - 1)}$$

Sequence: A147595
Score: 11.1124
Type of gen. func.: lgdogf

$$\frac{16 x^5 - 36 x^4 + 16 x^3 + 4 x - 3}{(x - 1)(-1 + 2 x)(2 x^2 - 1)(2 x^2 + 1)}$$

Sequence: A147595
Score: 14.5702
Type of gen. func.: ogf

$$-\frac{(2 x^2 - 1)(2 x^2 + 1)}{(-1 + 2 x)(x - 1)}$$

Sequence: A147595
Score: 5.57767
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 15,

a(4) = 27}

Sequence: A147595
Score: 8.02182
Type of gen. func.: ogf

$$(f(x) + 6) (4 x^4 + 2 f(x) x^2 - 3 f(x) x + f(x) - 1)$$

Sequence: A147596
Score: 10.1002
Type of gen. func.: lgdogf

$$\frac{64 x^7 - 120 x^6 + 48 x^5 + 4 x - 3}{(x - 1) (-1 + 2 x) (2 x^2 - 1) (4 x^4 + 2 x^2 + 1)}$$

Sequence: A147596
Score: 14.7117
Type of gen. func.: ogf

$$- \frac{(2 x^2 - 1) (4 x^4 + 2 x^2 + 1)}{(-1 + 2 x) (x - 1)}$$

Sequence: A147596
Score: 4.65080
Type of gen. func.: ogf

{-a(n + 3) + 3 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 15,

a(4) = 31, a(5) = 63, a(6) = 119}

Sequence: A147597
Score: 11.8372
Type of gen. func.: ogf

$$- \frac{(-1 + 2 x) (2 x + 1) (4 x^2 + 2 x + 1)}{(4 x - 1) (x - 1)}$$

Sequence: A147597
Score: 5.60233
Type of gen. func.: ogf

{-a(n + 5) + 5 a(n + 4) - 4 a(n + 3), a(0) = 1, a(1) = 7, a(2) = 31, a(3) = 119,

a(4) = 455}

Sequence: A147597
Score: 6.7954
Type of gen. func.: ogf

$$(2079 f(x) + 1328) (16 x^{4} + 4 f(x) x^{2} + 8 x^{3} - 5 f(x) x + f(x) - 2 x - 1)$$

Sequence: A147597
Score: 7.16683
Type of gen. func.: lgdogf

$$\frac{128 x^{5} - 208 x^{4} - 16 x^{3} + 32 x^{2} + 8 x - 7}{(x - 1) (2 x + 1) (-1 + 2 x) (4 x - 1) (4 x^{2} + 2 x + 1)}$$

Sequence: A147598
Score: 7.71236
Type of gen. func.: lgdogf

$$- \frac{10 x^{9} - 9 x^{8} - 16 x^{7} + 21 x^{6} + 6 x^{5} - 25 x^{4} + 4 x^{3} + 9 x^{2} - 4 x - 1}{(x^{5} - x^{4} - x^{3} + x^{2} - 1) (x^{5} - x^{3} + x^{2} + x - 1)}$$

Sequence: A147598
Score: 8.28264
Type of gen. func.: ogf

$$\frac{1}{(x^{5} - x^{4} - x^{3} + x^{2} - 1) (x^{5} - x^{3} + x^{2} + x - 1)}$$

Sequence: A147599
Score: 15.8659
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{6} - x^{5} + x^{2}}{}$$

$$x^8 - 1$$

Sequence: A147600
Score: 14.8892
Type of gen. func.: lgdogf

$$-a(n + 4) + 3 a(n + 2) - a(n), a(0) = 0, a(1) = 6, a(2) = 0, a(3) = 14$$

Sequence: A147600
Score: 18.8329
Type of gen. func.: ogf

$$\frac{1}{(x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A147600
Score: 8.39538
Type of gen. func.: ogf

$$(55 f(x) + 26) (f(x) x^4 - 3 f(x) x^2 + f(x) - 1)$$

Sequence: A147601
Score: 11.9335
Type of gen. func.: ogf

$$\frac{7 x^2 + 4 x + 7}{(x - 1)^2 (x + 1)^2}$$

Sequence: A147601
Score: 13.2896
Type of gen. func.: lgdogf

$$- \frac{2 (7 x^3 + 6 x^2 + 21 x + 2)}{(x - 1) (x + 1) (7 x^2 + 4 x + 7)}$$

Sequence: A147601
Score: 5.81374
Type of gen. func.: ogf

$$\{(n + 4) a(n + 1) + (-2 - n) a(n + 3), a(0) = 7, a(1) = 4, a(2) = 21\}$$

Sequence: A147601
Score: 7.08548
Type of gen. func.: ogf

$$(98 f(x) + 573) (f(x) x^4 - 2 f(x) x^2 - 7 x^2 + f(x) - 4 x - 7)$$

Sequence: A147604
Score: 10.7168
Type of gen. func.: ogf

$$\frac{x^3 - x^2 - 1}{x^5 - x^3 + x^2 + x - 1}$$

Sequence: A147604
Score: 11.1201
Type of gen. func.: lgdogf

$$-\frac{2 x^7 - 3 x^6 - 5 x^4 - 2 x^3 + 7 x^2 - 4 x - 1}{(x^3 - x^2 - 1) (x^5 - x^3 + x^2 + x - 1)}$$

Sequence: A147605
Score: 6.47410
Type of gen. func.: ogf

$$\frac{1}{(x^7 + x^6 + x^5 + x^4 + x^3 + x^2 - 1) (x^7 - x^5 - x^4 - x^3 - x^2 - x - 1)}$$

Sequence: A147606

Score: 7.39109
Type of gen. func.: lgdogf

$$-\frac{12x^{11}-11x^{10}-20x^{9}+9x^{8}+24x^{7}-30x^{5}+12x^{3}+3x^{2}-4x-1}{(x^{6}-x^{5}-x^{4}+x^{2}-1)(x^{6}-x^{4}+x^{2}+x-1)}$$

Sequence: A147606
Score: 7.76136
Type of gen. func.: ogf

$$\frac{1}{(x^{6}-x^{5}-x^{4}+x^{2}-1)(x^{6}-x^{4}+x^{2}+x-1)}$$

Sequence: A147607
Score: 7.74914
Type of gen. func.: lgdogf

$$-\frac{8x(2x^{14}-7x^{12}+6x^{10}+5x^{8}-11x^{6}+3x^{4}+2x^{2}-1)}{(x^{8}-2x^{6}+x^{4}+2x^{2}-1)(x^{8}-2x^{6}-x^{4}+2x^{2}-1)}$$

Sequence: A147607
Score: 8.32085
Type of gen. func.: ogf

$$\frac{1}{(x^{8}-2x^{6}+x^{4}+2x^{2}-1)(x^{8}-2x^{6}-x^{4}+2x^{2}-1)}$$

Sequence: A147611
Score: 14.0290
Type of gen. func.: lgdogf

$$-\frac{16x^{4}-x^{3}+24x^{2}+8x+7}{(x-1)(x^{2}+x+1)(2x^{2}-x+2)}$$

Sequence: A147611
Score: 5.96510
Type of gen. func.: ogf

$$\frac{x^4 (2 x^2 - x + 2)}{(x^2 + x + 1)^2 (x - 1)^6}$$

Sequence: A147617
Score: 6.18803
Type of gen. func.: lgdogf

$$- (14 x^{13} - 13 x^{12} - 24 x^{11} + 11 x^{10} + 10 x^9 + 18 x^8 - 35 x^6 + 10 x^4 + 4 x^3 + 3 x^2 - 4 x - 1) / ((x^7 - x^6 - x^5 + x^2 - 1) (x^7 - x^5 + x^2 + x - 1))$$

Sequence: A147617
Score: 6.58798
Type of gen. func.: ogf

$$\frac{1}{(x^7 - x^6 - x^5 + x^2 - 1) (x^7 - x^5 + x^2 + x - 1)}$$

Sequence: A147618
Score: 9.11358
Type of gen. func.: lgdogf

$$- \frac{11 x^6 - 6 x^5 + 39 x^4 + 2 x^3 + 24 x^2 + 6 x + 5}{(x - 1) (x^2 + x + 1) (x^4 - x^3 + 3 x^2 - x + 1)}$$

Sequence: A147620
Score: 6.31964
Type of gen. func.: lgdogf

$$- (16 x^{15} - 15 x^{14} - 28 x^{13} + 13 x^{12} + 12 x^{11} + 20 x^9 - 40 x^7 + 12 x^5 + 4 x^3 + 3 x^2 - 4 x - 1) / ((x^8 - x^7 - x^6 + x^2 - 1) (x^8 - x^6 + x^2 + x - 1))$$

/

Sequence: A147620
Score: 6.49589
Type of gen. func.: ogf

$$\frac{1}{(x^8 - x^7 - x^6 + x^2 - 1)(x^8 - x^6 + x^2 + x - 1)}$$

Sequence: A147621
Score: 5.92877
Type of gen. func.: lgdogf

$$-\frac{56 x^8 - 58 x^7 + 368 x^6 - 121 x^5 + 458 x^4 + 38 x^3 + 173 x^2 + 32 x + 26}{(x - 1)(x^2 + x + 1)(2 x^2 - x + 2)(2 x^4 - 2 x^3 + 9 x^2 - 2 x + 2)}$$

Sequence: A147622
Score: 6.04261
Type of gen. func.: lgdogf

$$-(18 x^{17} - 17 x^{16} - 32 x^{15} + 15 x^{14} + 14 x^{13} + 22 x^{10} - 45 x^8 + 14 x^6 + 4 x^3 + 3 x^2 - 4 x - 1) \Big/ ((x^9 - x^8 - x^7 + x^2 - 1)(x^9 - x^7 + x^2 + x - 1))$$

Sequence: A147622
Score: 6.26644
Type of gen. func.: ogf

$$\frac{1}{(x^9 - x^8 - x^7 + x^2 - 1)(x^9 - x^7 + x^2 + x - 1)}$$

Sequence: A147623
Score: 12.6021
Type of gen. func.: lgdogf

5 4 3 2

$$-\frac{2 x + 5 x + 8 x + 12 x + 6 x + 3}{(x - 1) (x + 1) (x^{2} + 1) (x^{2} + x + 1)}$$

Sequence: A147623
Score: 27.6323
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{3} + x^{2} + 3$$

Sequence: A147623
Score: 9.05176
Type of gen. func.: ogf

$$-\frac{2 (x^{2} + 1) (x + 1) x}{(x^{2} + x + 1) (x - 1)^{3}}$$

Sequence: A147625
Score: 31.4134
Type of gen. func.: lgdegf]

$$-5 + (1 - 8 x) f(x)$$

Sequence: A147625
Score: 5.41610
Type of gen. func.: ogf

$$\{(-8 n - 13) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 5\}$$

Sequence: A147625
Score: 6.20001
Type of gen. func.: revegf]

$$- (3 (1 - 3 x)^{(1/3)} x - (1 - 3 x)^{(1/3)} + 1)$$

$$(3 (1 - 3 x)^{(1/3)} x - (1 - 3 x)^{(1/3)} - 1)/8$$

```
--------------------------------------------------------------------------------

Sequence:  A147626
Score: 21.9106
Type of gen. func.: revegf]

                                              2
                              -x (x - 1) (2 x  - 2 x + 1)



--------------------------------------------------------------------------------

Sequence:  A147626
Score: 32.1355
Type of gen. func.: lgdegf]

                                  -6 + (1 - 8 x) f(x)



--------------------------------------------------------------------------------

Sequence:  A147626
Score: 5.53781
Type of gen. func.: ogf

             {(-8 n - 14) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 6}



--------------------------------------------------------------------------------

Sequence:  A147628
Score: 2.83321
Type of gen. func.: ogf

                                                  3
                                      -(f(x) - 1)



--------------------------------------------------------------------------------

Sequence:  A147629
Score: 32.3161
Type of gen. func.: lgdegf]

                                  -5 + (1 - 9 x) f(x)



--------------------------------------------------------------------------------

Sequence:  A147629
Score: 5.56824
Type of gen. func.: ogf

             {(-9 n - 14) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 5}



--------------------------------------------------------------------------------

Sequence:  A147629
```

Score: 7.45755
Type of gen. func.: revegf]

$$-\frac{(1-4x)^{1/4}}{9}+\frac{8(1-4x)^{1/4}x}{9}-\frac{16(1-4x)^{1/4}x^2}{9}+1/9$$

Sequence: A147630
Score: 10.4611
Type of gen. func.: egf]

$$81 f(x)^3 x^2 - 18 f(x)^3 x + f(x)^3 - 1$$

Sequence: A147630
Score: 32.3161
Type of gen. func.: revegf]

$$x (3 x^2 - 3 x + 1)$$

Sequence: A147630
Score: 44.0674
Type of gen. func.: lgdegf]

$$-\frac{6}{-1+9x}$$

Sequence: A147630
Score: 7.64011
Type of gen. func.: ogf

$$\{(-9 n - 15) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 6\}$$

Sequence: A147631
Score: 32.6771
Type of gen. func.: lgdegf]

$$-7 + (1 - 9 x) f(x)$$

Sequence: A147631
Score: 5.62909
Type of gen. func.: ogf

$$\{(-9 n - 16) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 7\}$$

Sequence: A147632
Score: 4.11273
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A147633
Score: 3.19879
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A147635
Score: 4.66109
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A147651
Score: 10.1144
Type of gen. func.: ogf

$$\frac{9 x (x - 3)}{(x - 1)^3}$$

Sequence: A147651
Score: 26.1803
Type of gen. func.: lgdogf

$$-\frac{2 (x - 4)}{(x - 1) (x - 3)}$$

Sequence: A147651
Score: 5.19144
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 27, a(2) = 72\}$$

Sequence: A147651
Score: 5.38195
Type of gen. func.: ogf

$$(8 f(x) + 81) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 9 x^2 - f(x) + 27 x)$$

Sequence: A147652
Score: 12.6605
Type of gen. func.: ogf

$$\frac{1}{x^{10} - x^6 - x^5 - x^4 + 1}$$

Sequence: A147652
Score: 13.4686
Type of gen. func.: lgdogf

$$-\frac{x^3 (10 x^6 - 6 x^2 - 5 x - 4)}{x^{10} - x^6 - x^5 - x^4 + 1}$$

Sequence: A147656
Score: 10.2581
Type of gen. func.: ogf

$$\frac{x (x^2 + x + 4)}{(x - 1)^4}$$

Sequence: A147656
Score: 23.7992
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 5 x + 17}{(x - 1) (x^2 + x + 4)}$$

Sequence: A147656
Score: 4.09204
Type of gen. func.: ogf

$$\{(12 + 4 n) a(n + 4) + (-23 - 3 n) a(n + 3) - 5 a(n + 2) + (-2 - n) a(n + 1),$$
$$a(0) = 0, a(1) = 4, a(2) = 17, a(3) = 45\}$$

Sequence: A147656
Score: 5.31094
Type of gen. func.: ogf

$$(18048 f(x) + 24923)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - x^2 + f(x) - 4 x)$$

Sequence: A147657
Score: 5.99076
Type of gen. func.: ogf

$$-(2 f(x) - 1) (f(x) x^4 - x^4 + 2 f(x) x^2 - 2 x^3 - 3 x^2 + f(x) - 2 x - 1)$$

Sequence: A147658
Score: 5.94758
Type of gen. func.: ogf

$$-(4 f(x) - 7) (f(x) x^4 - x^4 + 2 f(x) x^2 - 3 x^3 - 4 x^2 + f(x) - 3 x - 1)$$

Sequence: A147659
Score: 14.5504
Type of gen. func.: ogf

$$\frac{1}{x^{12} - x^{10} - x^{2} - x + 1}$$

Sequence: A147659
Score: 16.1671
Type of gen. func.: lgdogf

$$-\frac{12 x^{11} - 10 x^{9} - 2 x - 1}{x^{12} - x^{10} - x^{2} - x + 1}$$

Sequence: A147660
Score: 14.6959
Type of gen. func.: ogf

$$-\frac{1}{x^{11} - x^{9} + x^{2} + x - 1}$$

Sequence: A147660
Score: 17.5669
Type of gen. func.: lgdogf

$$-\frac{11 x^{10} - 9 x^{8} + 2 x + 1}{x^{11} - x^{9} + x^{2} + x - 1}$$

Sequence: A147663
Score: 10.9684
Type of gen. func.: lgdogf

$$-\frac{11 x^{10} - 9 x^{8} + 7 x^{6} - 3 x^{2} + 2 x + 1}{(x^{3} + x^{2} - 1) (x^{8} - x^{7} + x^{5} - x^{4} + x^{3} - x + 1)}$$

Sequence: A147663
Score: 12.9873
Type of gen. func.: ogf

$$-\frac{1}{(x^3+x^2-1)(x^8-x^7+x^5-x^4+x^3-x+1)}$$

Sequence: A147666
Score: 11.7270
Type of gen. func.: ogf

$$\frac{x(x^4+5x^3+5x+1)}{(x-1)^2(x^2+x+1)^2}$$

Sequence: A147666
Score: 13.8392
Type of gen. func.: lgdogf

$$-\frac{2x^6+15x^5+29x^3+21x^2+5}{(x-1)(x^4+5x^3+5x+1)(x^2+x+1)}$$

Sequence: A147672
Score: 7.09948
Type of gen. func.: ogf

$$\frac{x(6x^4+x^3-2x^2+x-1)}{(x+1)(-1+2x)(x-1)^2}$$

Sequence: A147672
Score: 7.96862
Type of gen. func.: lgdogf

$$-\frac{20x^5+24x^4-17x^3-13x^2+4x+2}{(x-1)(-1+2x)(x+1)(6x^4+x^3-2x^2+x-1)}$$

Sequence: A147675
Score: 10.5779
Type of gen. func.: ogf

$$(36 f(x) - 355) (2 f(x) x^2 - f(x) + 5 x + 10)$$

Sequence: A147675
Score: 11.5543
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n), a(0) = 10, a(1) = 5\}$$

Sequence: A147675
Score: 17.8817
Type of gen. func.: ogf

$$-\frac{5 (x + 2)}{2 x^2 - 1}$$

Sequence: A147675
Score: 22.3144
Type of gen. func.: revogf

$$\frac{-5 + (2 x^2 + 5 x + 25)^{1/2}}{5 + 2 x}$$

Sequence: A147675
Score: 24.5459
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 8 x + 1}{(x + 2) (2 x^2 - 1)}$$

Sequence: A147677
Score: 14.6459
Type of gen. func.: ogf

$$\frac{x^2 - 5 x + 7}{(x + 1) (x - 1)^2}$$

Sequence: A147677
Score: 20.3828
Type of gen. func.: lgdogf

$$-\frac{x^3 - 9 x^2 + 18 x + 2}{(x - 1) (x + 1) (x^2 - 5 x + 7)}$$

Sequence: A147677
Score: 7.44497
Type of gen. func.: ogf

$$-(179 f(x) + 1207) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) + 5 x - 7)$$

Sequence: A147677
Score: 7.90617
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 7, a(1) = 2, a(2) = 10\}$$

Sequence: A147678
Score: 7.69513
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^8 + 4 x^7 + 2 x^6 - 4 x^5 - 2 x^4 + 4 x^3 + x^2 - 2 x - 1)}{(x - 1) (2 x + 1) (x + 1) (2 x^2 - 1) (2 x^4 - 2 x^2 + 1)}$$

Sequence: A147678
Score: 8.55373
Type of gen. func.: ogf

$$-\frac{(2 x + 1) (2 x^4 - 2 x^2 + 1)}{}$$

$$(2 x^2 - 1) (x - 1)^2 (x + 1)^2$$

Sequence: A147685
Score: 12.9566
Type of gen. func.: lgdogf

$$- \frac{2 x^5 + 3 x^4 + 12 x^3 + 8 x^2 + 10 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A147685
Score: 25.3798
Type of gen. func.: ogf_with_Euler_transform]

$$-x^3 - x^2 + 4 x + 1$$

Sequence: A147685
Score: 9.89762
Type of gen. func.: ogf

$$- \frac{x (x^2 + 1) (x^2 + x + 1)}{(x - 1)^3 (x + 1)^3}$$

Sequence: A147688
Score: 13.1940
Type of gen. func.: ogf

$$- \frac{6 x - 1}{28 x^2 - 12 x + 1}$$

Sequence: A147688
Score: 14.4794
Type of gen. func.: lgdogf

$$- \frac{2 (84 x^2 - 28 x + 3)}{}$$

$$(6 x - 1) (28 x^2 - 12 x + 1)$$

Sequence: A147688
Score: 7.12778
Type of gen. func.: ogf

$$(2 f(x) + 1) (28 f(x) x^2 - 12 f(x) x + f(x) + 6 x - 1)$$

Sequence: A147688
Score: 7.38233
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 28 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A147689
Score: 12.1536
Type of gen. func.: ogf

$$- \frac{7 x - 1}{41 x^2 - 14 x + 1}$$

Sequence: A147689
Score: 13.6450
Type of gen. func.: lgdogf

$$- \frac{287 x^2 - 82 x + 7}{(7 x - 1) (41 x^2 - 14 x + 1)}$$

Sequence: A147689
Score: 13.9861
Type of gen. func.: revogf

$$- \frac{-14 x - 1 + (32 x^2 + 1)^{1/2}}{2 (41 x + 7)}$$

Sequence: A147689
Score: 6.14216
Type of gen. func.: ogf

$$-(16 f(x) + 33) (41 f(x) x^2 - 14 f(x) x + f(x) + 7 x - 1)$$

Sequence: A147689
Score: 6.80025
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1) + 41 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A147691
Score: 6.24730
Type of gen. func.: ogf

$$-\frac{x (x^2 + x + 1) (x^4 - 4 x^3 - 8 x^2 - 6 x - 1)}{(x + 1)^2 (x - 1)^4}$$

Sequence: A147691
Score: 8.67725
Type of gen. func.: lgdogf

$$\frac{x^6 + 22 x^5 + 91 x^4 + 140 x^3 + 119 x^2 + 50 x + 9}{(x - 1) (x + 1) (x^2 + x + 1) (x^4 - 4 x^3 - 8 x^2 - 6 x - 1)}$$

Sequence: A147704
Score: 13.1048
Type of gen. func.: ogf

$$-\frac{-1 + 2 x}{x^3 - 3 x + 1}$$

Sequence: A147704
Score: 16.0190

Type of gen. func.: lgdogf

$$-\frac{4x^3 - 3x^2 + 1}{(-1 + 2x)(x^3 - 3x + 1)}$$

Sequence: A147704
Score: 6.27357
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + a(n), a(0) = 1, a(1) = 1, a(2) = 3\}$$

Sequence: A147704
Score: 8.98069
Type of gen. func.: ogf

$$-(-1 + 3 f(x)) (f(x) x^3 - 3 f(x) x + f(x) + 2 x - 1)$$

Sequence: A147722
Score: 12.9529
Type of gen. func.: revogf

$$-\frac{-5x - 1 + (17x^2 - 2x + 1)^{1/2}}{2(2x + 3)}$$

Sequence: A147722
Score: 17.8834
Type of gen. func.: ogf

$$-\frac{3x - 1}{2x^2 - 5x + 1}$$

Sequence: A147722
Score: 9.04213
Type of gen. func.: ogf

$$-(7 f(x) - 5) (2 f(x) x^2 - 5 f(x) x + f(x) + 3 x - 1)$$

Sequence: A147722
Score: 9.81404
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A147725
Score: 11.4451
Type of gen. func.: ogf

$$\frac{3 x^2 - 7 x + 1}{11 x^2 - 9 x + 1}$$

Sequence: A147725
Score: 13.4635
Type of gen. func.: lgdogf

$$\frac{2 (25 x^2 - 8 x + 1)}{(3 x^2 - 7 x + 1) (11 x^2 - 9 x + 1)}$$

Sequence: A147725
Score: 5.94267
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 11 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 10\}$$

Sequence: A147725
Score: 6.18038
Type of gen. func.: ogf

$$-(-17 + 28 f(x)) (11 f(x) x^2 - 9 f(x) x - 3 x^2 + f(x) + 7 x - 1)$$

Sequence: A147741
Score: 3.6863

Type of gen. func.: egf]

$$(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A147748
Score: 12.0860
Type of gen. func.: ogf

$$\frac{x^2 - 3 x + 1}{5 x^2 - 5 x + 1}$$

Sequence: A147748
Score: 15.3093
Type of gen. func.: lgdogf

$$\frac{2 (5 x^2 - 4 x + 1)}{(x^2 - 3 x + 1) (5 x^2 - 5 x + 1)}$$

Sequence: A147748
Score: 6.27997
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 5 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A147748
Score: 6.60367
Type of gen. func.: ogf

$$-(f(x) + 1) (5 f(x) x^2 - 5 f(x) x - x^2 + f(x) + 3 x - 1)$$

Sequence: A147757
Score: 4.26885
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 11, a(2) = 101, a(3) = 1001, a(4) = 10101\}$$

Sequence: A147757
Score: 5.33607
Type of gen. func.: ogf

$$(91 f(x) + 10) (-100 x^4 + 10 f(x) x^2 - 11 f(x) x + 10 x^2 + f(x) - 1)$$

Sequence: A147757
Score: 7.05701
Type of gen. func.: lgdogf

$$\frac{2000 x^5 - 3300 x^4 + 400 x^3 + 110 x^2 - 40 x + 11}{(x - 1) (10 x - 1) (100 x^4 - 10 x^2 + 1)}$$

Sequence: A147757
Score: 8.95082
Type of gen. func.: ogf

$$\frac{100 x^4 - 10 x^2 + 1}{(10 x - 1) (x - 1)}$$

Sequence: A147758
Score: 10.8846
Type of gen. func.: lgdogf

$$\frac{16 x^5 - 36 x^4 + 16 x^3 + 6 x^2 - 8 x + 3}{(x - 1) (-1 + 2 x) (4 x^4 - 2 x^2 + 1)}$$

Sequence: A147758
Score: 12.4645
Type of gen. func.: ogf

$$\frac{4 x^4 - 2 x^2 + 1}{(-1 + 2 x) (x - 1)}$$

Sequence: A147758
Score: 5.59431
Type of gen. func.: ogf

$$\{a(n + 5) - 3 a(n + 4) + 2 a(n + 3), a(0) = 1, a(1) = 3, a(2) = 5, a(3) = 9, a(4) = 21\}$$

Sequence: A147758
Score: 7.03441
Type of gen. func.: ogf

$$-(3 f(x) + 2) (-4 x^4 + 2 f(x) x^2 - 3 f(x) x + 2 x^2 + f(x) - 1)$$

Sequence: A147759
Score: 10.0900
Type of gen. func.: ogf

$$\frac{1}{(10 x - 1) (x - 1) (10 x^2 + 1)}$$

Sequence: A147759
Score: 10.2526
Type of gen. func.: lgdogf

$$- \frac{400 x^3 - 330 x^2 + 40 x - 11}{(x - 1) (10 x - 1) (10 x^2 + 1)}$$

Sequence: A147759
Score: 4.08052
Type of gen. func.: ogf

$$-(918191 f(x) + 38400) (100 f(x) x^4 - 110 f(x) x^3 + 20 f(x) x^2 - 11 f(x) x + f(x) - 1)$$

Sequence: A147766
Score: 26.6792
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x}{x-1}$$

Sequence: A147783
Score: 9.51851
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^9+x^7+x^5+x^4+x^3+x}{x^{10}-1}$$

Sequence: A147784
Score: 9.01161
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{11}+x^8+x^7+x^5+x^3+x^2}{x^{12}-1}$$

Sequence: A147816
Score: 11.1122
Type of gen. func.: ogf

$$\frac{1}{(1000x-1)(-1+100x)}$$

Sequence: A147816
Score: 11.7371
Type of gen. func.: lgdogf

$$-\frac{100(-11+2000x)}{(1000x-1)(-1+100x)}$$

Sequence: A147816

Score: 4.74583
Type of gen. func.: ogf

$$(11111 f(x) + 3530) (100000 f(x) x^2 - 1100 f(x) x + f(x) - 1)$$

Sequence: A147816
Score: 4.89894
Type of gen. func.: ogf

$$\{-a(n + 2) + 1100 a(n + 1) - 100000 a(n), a(0) = 1, a(1) = 1100\}$$

Sequence: A147816
Score: 8.74528
Type of gen. func.: revogf

$$-\frac{-1 - 1100 x + (810000 x^2 + 2200 x + 1)^{1/2}}{200000 x}$$

Sequence: A147818
Score: 16.2507
Type of gen. func.: ogf

$$-\frac{5 x^2 + 4 x + 5}{(x - 1) (x^2 + 1)}$$

Sequence: A147818
Score: 19.4536
Type of gen. func.: lgdogf

$$-\frac{5 x^4 + 8 x^3 + 6 x^2 + 9}{(x - 1) (x^2 + 1) (5 x^2 + 4 x + 5)}$$

Sequence: A147818
Score: 8.61994
Type of gen. func.: ogf

$$(53 f(x) - 1561) (f(x) x^3 - f(x) x^2 + f(x) x + 5 x^2 - f(x) + 4 x + 5)$$

Sequence: A147818
Score: 8.85083
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) + a(n + 1) - a(n), a(0) = 5, a(1) = 9, a(2) = 9\}$$

Sequence: A147832
Score: 14.5051
Type of gen. func.: ogf

$$\frac{2 x (6 x + 1)}{(x + 1) (x - 1)^2}$$

Sequence: A147832
Score: 23.6921
Type of gen. func.: lgdogf

$$- \frac{12 x^2 + 9 x + 7}{(x - 1) (6 x + 1) (x + 1)}$$

Sequence: A147832
Score: 7.37981
Type of gen. func.: ogf

$$(553 f(x) + 10004) (f(x) x^3 - f(x) x^2 - f(x) x - 12 x^2 + f(x) - 2 x)$$

Sequence: A147832
Score: 7.51159
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 0, a(1) = 2, a(2) = 14\}$$

Sequence: A147833
Score: 10.0896

Type of gen. func.: ogf

$$\frac{4 x^2 + x - 1}{12 x^3 + 4 x^2 + x - 1}$$

Sequence: A147833
Score: 11.6800
Type of gen. func.: lgdogf

$$- \frac{12 x^2 (4 x^2 + 2 x - 3)}{(4 x^2 + x - 1) (12 x^3 + 4 x^2 + x - 1)}$$

Sequence: A147833
Score: 5.63563
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 4 a(n + 1) - 12 a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$$

Sequence: A147833
Score: 6.95061
Type of gen. func.: ogf

$$-12 f(x) x^3 - 4 f(x) x^2 - f(x) x + 4 x^2 + f(x) + x - 1$$

Sequence: A147834
Score: 19.1653
Type of gen. func.: lgdogf

$$- \frac{36 x^2 + 8 x + 1}{12 x^3 + 4 x^2 + x - 1}$$

Sequence: A147834
Score: 20.5193
Type of gen. func.: ogf

$$-\frac{1}{12 x^3 + 4 x^2 + x - 1}$$

Sequence: A147834
Score: 6.90031
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 4 a(n + 1) - 12 a(n), a(0) = 1, a(1) = 1, a(2) = 5\}$$

Sequence: A147834
Score: 7.356
Type of gen. func.: ogf

$$-(59 f(x) - 54) (12 f(x) x^3 + 4 f(x) x^2 + f(x) x - f(x) + 1)$$

Sequence: A147837
Score: 13.4635
Type of gen. func.: ogf

$$-\frac{2 x - 1}{5 x^2 - 7 x + 1}$$

Sequence: A147837
Score: 14.1353
Type of gen. func.: revogf

$$-\frac{-1 - 7 x + (29 x^2 + 6 x + 1)^{1/2}}{2 (2 + 5 x)}$$

Sequence: A147837
Score: 15.6232
Type of gen. func.: lgdogf

$$-\frac{5 (2 x^2 - 2 x + 1)}{(2 x - 1) (5 x^2 - 7 x + 1)}$$

Sequence: A147837
Score: 6.73178
Type of gen. func.: ogf

$$-(31 f(x) - 6) (5 f(x) x^2 - 7 f(x) x + f(x) + 2 x - 1)$$

Sequence: A147837
Score: 7.38852
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) + 5 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A147838
Score: 12.9815
Type of gen. func.: ogf

$$-\frac{2 x - 1}{6 x^2 - 8 x + 1}$$

Sequence: A147838
Score: 13.6234
Type of gen. func.: revogf

$$-\frac{-1 - 8 x + (40 x^2 + 8 x + 1)^{1/2}}{4 (1 + 3 x)}$$

Sequence: A147838
Score: 15.0575
Type of gen. func.: lgdogf

$$-\frac{6 (2 x^2 - 2 x + 1)}{(2 x - 1) (6 x^2 - 8 x + 1)}$$

Sequence: A147838

Score: 6.49075
Type of gen. func.: ogf

$$-(43 f(x) - 7) (6 f(x) x^2 - 8 f(x) x + f(x) + 2 x - 1)$$

Sequence: A147838
Score: 7.12399
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 6 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A147839
Score: 13.6472
Type of gen. func.: ogf

$$-\frac{2 x - 1}{7 x^2 - 9 x + 1}$$

Sequence: A147839
Score: 14.0033
Type of gen. func.: revogf

$$-\frac{-1 - 9 x + (53 x^2 + 10 x + 1)^{1/2}}{2 (2 + 7 x)}$$

Sequence: A147839
Score: 15.8458
Type of gen. func.: lgdogf

$$-\frac{7 (2 x^2 - 2 x + 1)}{(2 x - 1) (7 x^2 - 9 x + 1)}$$

Sequence: A147839
Score: 6.82361
Type of gen. func.: ogf

2

$$-(57 f(x) - 8) (7 f(x) x - 9 f(x) x + f(x) + 2 x - 1)$$

Sequence: A147839
Score: 7.48933
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) + 7 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A147840
Score: 12.4178
Type of gen. func.: ogf

$$-\frac{2 x - 1}{8 x^2 - 10 x + 1}$$

Sequence: A147840
Score: 12.7146
Type of gen. func.: revogf

$$-\frac{-10 x - 1 + (68 x^2 + 12 x + 1)^{1/2}}{4 (4 x + 1)}$$

Sequence: A147840
Score: 14.3447
Type of gen. func.: lgdogf

$$-\frac{8 (2 x^2 - 2 x + 1)}{(2 x - 1) (8 x^2 - 10 x + 1)}$$

Sequence: A147840
Score: 6.27716
Type of gen. func.: ogf

$$-(73 f(x) - 9) (8 f(x) x^2 - 10 f(x) x + f(x) + 2 x - 1)$$

Sequence: A147840
Score: 6.88218
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 8 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A147841
Score: 11.3730
Type of gen. func.: ogf

$$-\frac{2 x - 1}{9 x^2 - 11 x + 1}$$

Sequence: A147841
Score: 11.6272
Type of gen. func.: revogf

$$-\frac{-1 - 11 x + (85 x^2 + 14 x + 1)^{1/2}}{2 (2 + 9 x)}$$

Sequence: A147841
Score: 13.1178
Type of gen. func.: lgdogf

$$-\frac{9 (2 x^2 - 2 x + 1)}{(2 x - 1) (9 x^2 - 11 x + 1)}$$

Sequence: A147841
Score: 6.30310
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 9 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A147841
Score: 9.9177
Type of gen. func.: ogf

$$-(91 f(x) - 10) (9 f(x) x^2 - 11 f(x) x + f(x) + 2 x - 1)$$

Sequence: A147851
Score: 16.6294
Type of gen. func.: lgdogf

$$-\frac{2 x^2 (8 x^5 - 5 x^2 - 4 x - 3)}{x^8 - x^5 - x^4 - x^3 + 1}$$

Sequence: A147851
Score: 6.46952
Type of gen. func.: ogf

$$\frac{1}{(x^8 - x^5 - x^4 - x^3 + 1)^2}$$

Sequence: A147852
Score: 6.98075
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^9 + 6 x^8 + 8 x^7 + 4 x^6 + 3 x^5 + 4 x^4 - 6 x^3 - x^2 - x + 1)}{(x + 1) (x^3 + x^2 + x - 1) (2 x^6 + 4 x^4 - x^2 - 2 x + 1)}$$

Sequence: A147852
Score: 7.92343
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^3 + x^2 + x - 1)}{2 x^6 + 4 x^4 - x^2 - 2 x + 1}$$

Sequence: A147874
Score: 14.1727
Type of gen. func.: ogf

$$-\frac{x (7 x + 3)}{(x - 1)^{3}}$$

Sequence: A147874
Score: 33.1815
Type of gen. func.: lgdogf

$$-\frac{2 (7 x + 8)}{(7 x + 3) (x - 1)}$$

Sequence: A147874
Score: 6.96417
Type of gen. func.: ogf

$$(44700 f(x) - 142753) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 7 x^{2} - f(x) + 3 x)$$

Sequence: A147874
Score: 7.21288
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 3, a(2) = 16\}$

Sequence: A147875
Score: 14.4661
Type of gen. func.: ogf

$$-\frac{x (x + 4)}{(x - 1)^{3}}$$

Sequence: A147875
Score: 38.7120
Type of gen. func.: lgdogf

$$-\frac{13 + 2 x}{(x + 4) (x - 1)}$$

Sequence: A147875
Score: 7.36219
Type of gen. func.: ogf

$$(725 f(x) - 1647) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 4 x)$$

Sequence: A147875
Score: 7.36220
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 4, a(2) = 13}

Sequence: A147957
Score: 12.3654
Type of gen. func.: ogf

$$-\frac{6 x - 1}{34 x^2 - 12 x + 1}$$

Sequence: A147957
Score: 13.2369
Type of gen. func.: lgdogf

$$-\frac{2 (102 x^2 - 34 x + 3)}{(6 x - 1) (34 x^2 - 12 x + 1)}$$

Sequence: A147957
Score: 6.18268
Type of gen. func.: ogf

$$-(55 f(x) + 269) (34 f(x) x^2 - 12 f(x) x + f(x) + 6 x - 1)$$

Sequence: A147957
Score: 6.91871
Type of gen. func.: ogf

{a(n + 2) - 12 a(n + 1) + 34 a(n), a(0) = 1, a(1) = 6}

Sequence: A147958
Score: 13.0027
Type of gen. func.: ogf

$$-\frac{7x-1}{47x^2-14x+1}$$

Sequence: A147958
Score: 14.6133
Type of gen. func.: lgdogf

$$-\frac{329x^2-94x+7}{(7x-1)(47x^2-14x+1)}$$

Sequence: A147958
Score: 5.20997
Type of gen. func.: revogf

$$x(20x^4+10x^2+1)(4x^4+6x^2+1) \Big/ (32x^{10}+560x^9+240x^8+1120x^7+280x^6+588x^5+112x^4+112x^3+18x^2+7x+1)$$

Sequence: A147958
Score: 6.64271
Type of gen. func.: ogf

$$-(4f(x)+45)(47f(x)x^2-14f(x)x+f(x)+7x-1)$$

Sequence: A147958
Score: 7.27535
Type of gen. func.: ogf

$$\{a(n+2)-14a(n+1)+47a(n),\ a(0)=1,\ a(1)=7\}$$

Sequence: A147959
Score: 12.1536
Type of gen. func.: ogf

$$-\frac{8x-1}{62x^2-16x+1}$$

Sequence: A147959
Score: 13.0103
Type of gen. func.: lgdogf

$$-\frac{4(124x^2-31x+2)}{(8x-1)(62x^2-16x+1)}$$

Sequence: A147959
Score: 14.3447
Type of gen. func.: revogf

$$-\frac{-1-16x+(8x^2+1)^{1/2}}{4(4+31x)}$$

Sequence: A147959
Score: 6.07682
Type of gen. func.: ogf

$$-(97 f(x)+927)(62 f(x) x^2-16 f(x) x+f(x)+8x-1)$$

Sequence: A147959
Score: 6.80025
Type of gen. func.: ogf

$$\{a(n+2)-16 a(n+1)+62 a(n), a(0)=1, a(1)=8\}$$

Sequence: A147960
Score: 12.2789
Type of gen. func.: ogf

$$-\frac{9x-1}{79x^2-18x+1}$$

Sequence: A147960
Score: 13.4603
Type of gen. func.: lgdogf

$$-\frac{711x^2-158x+9}{(9x-1)(79x^2-18x+1)}$$

Sequence: A147960
Score: 14.4957
Type of gen. func.: revogf

$$-\frac{-18x-1+(8x^2+1)^{1/2}}{2(79x+9)}$$

Sequence: A147960
Score: 6.27294
Type of gen. func.: ogf

$$-(4f(x)+77)(79f(x)x^2-18f(x)x+f(x)+9x-1)$$

Sequence: A147960
Score: 6.87036
Type of gen. func.: ogf

$$\{a(n+2)-18a(n+1)+79a(n), a(0)=1, a(1)=9\}$$

Sequence: A147961
Score: 12.5566
Type of gen. func.: ogf

$$-\frac{6x-1}{\quad{}^{2}}$$

$$33 x - 12 x + 1$$

Sequence: A147961
Score: 13.7661
Type of gen. func.: lgdogf

$$-\frac{6 (33 x^2 - 11 x + 1)}{(6 x - 1) (33 x^2 - 12 x + 1)}$$

Sequence: A147961
Score: 6.27829
Type of gen. func.: ogf

$$-(37 f(x) + 107) (33 f(x) x^2 - 12 f(x) x + f(x) + 6 x - 1)$$

Sequence: A147961
Score: 7.02570
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 33 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A147962
Score: 14.6396
Type of gen. func.: ogf

$$-\frac{7 x - 1}{46 x^2 - 14 x + 1}$$

Sequence: A147962
Score: 14.7595
Type of gen. func.: lgdogf

$$-\frac{322 x^2 - 92 x + 7}{(7 x - 1) (46 x^2 - 14 x + 1)}$$

Sequence: A147962
Score: 7.47894
Type of gen. func.: ogf

$$-(6 f(x) + 43) (46 f(x) x^2 - 14 f(x) x + f(x) + 7 x - 1)$$

Sequence: A147962
Score: 8.19121
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1) + 46 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A147973
Score: 24.1981
Type of gen. func.: lgdogf

$$-\frac{7 x^2 - 1}{(x - 1) (7 x^2 - 7 x + 2)}$$

Sequence: A147973
Score: 5.24269
Type of gen. func.: ogf

$$-(14 f(x) + 45) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 14 x^2 - f(x) + 14 x - 4)$$

Sequence: A147973
Score: 5.57036
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = -4, a(1) = 2, a(2) = 4\}$$

Sequence: A147973
Score: 9.90286
Type of gen. func.: ogf

$$2 (7 x^2 - 7 x + 2)$$

$$(x-1)^3$$

Sequence: A147974
Score: 14.6924
Type of gen. func.: lgdogf

$$-\frac{2(9x^3+4x^2+x-2)}{(x-1)(18x^3-23x^2+16x-5)}$$

Sequence: A147974
Score: 4.36895
Type of gen. func.: ogf

$$-(2f(x)-45)(f(x)x^4-4f(x)x^3+6f(x)x^2+36x^3-4f(x)x-46x^2+f(x)+32x-10)$$

Sequence: A147974
Score: 7.87490
Type of gen. func.: ogf

$$-\frac{2(18x^3-23x^2+16x-5)}{(x-1)^4}$$

Sequence: A147975
Score: 4.47119
Type of gen. func.: ogf

$$(5f(x)-73)(24f(x)x^4-50f(x)x^3+35f(x)x^2-38x^3-10f(x)x+48x^2+f(x)-18x+2)$$

Sequence: A147975
Score: 6.11396
Type of gen. func.: lgdogf

6 5 4 3 2

$$-\frac{456 x - 1152 x + 1183 x - 616 x + 168 x - 22 x + 1}{(x - 1) (-1 + 3 x) (2 x - 1) (-1 + 4 x) (19 x^{3} - 24 x^{2} + 9 x - 1)}$$

Sequence: A147975
Score: 7.71812
Type of gen. func.: ogf

$$\frac{2 (19 x^{3} - 24 x^{2} + 9 x - 1)}{(x - 1) (-1 + 3 x) (2 x - 1) (-1 + 4 x)}$$

Sequence: A147976
Score: 5.58105
Type of gen. func.: ogf

$$\frac{226 x^{4} - 350 x^{3} + 185 x^{2} - 40 x + 3}{(x - 1) (-1 + 4 x) (-1 + 3 x) (2 x - 1) (5 x - 1)}$$

Sequence: A147977
Score: 4.40774
Type of gen. func.: ogf

$$\frac{1524 x^{5} - 2700 x^{4} + 1755 x^{3} - 530 x^{2} + 75 x - 4}{(x - 1) (6 x - 1) (-1 + 4 x) (-1 + 3 x) (2 x - 1) (5 x - 1)}$$

Sequence: A147978
Score: 3.46778
Type of gen. func.: ogf

$$\frac{11628 x^{6} - 22736 x^{5} + 17059 x^{4} - 6370 x^{3} + 1260 x^{2} - 126 x + 5}{(x - 1) (6 x - 1) (-1 + 4 x) (-1 + 3 x) (2 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A147979
Score: 3.04158
Type of gen. func.: ogf

7 6 5 4 3 2

$$2 (49752 x - 105056 x + 87794 x - 38129 x + 9380 x - 1316 x + 98 x - 3)/((x - 1) (6 x - 1) (-1 + 4 x) (-1 + 3 x) (2 x - 1) (8 x - 1) (7 x - 1) (5 x - 1))$$

Sequence: A147997
Score: 7.60216
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^3 + x - 1)}{(x - 1) (x^2 + x + 1) (x^2 + x - 1)}$$

Sequence: A147997
Score: 7.88144
Type of gen. func.: lgdogf

$$- \frac{x^8 + 2 x^7 + 5 x^6 + 4 x^5 - 2 x^4 - 6 x^3 + x^2 + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 + x - 1) (x^3 + x - 1)}$$

Sequence: A148092
Score: 18.6356
Type of gen. func.: lgdegf]

$$1 + x + 1/2 x^2 + 1/6 x^3 + 1/24 x^4 + 1/120 x^5$$

Sequence: A151019
Score: 11.2396
Type of gen. func.: ogf

$$10 f(x)^2 x^2 - 2 f(x)^2 x + 4 f(x) x - f(x) + 1$$

Sequence: A151019
Score: 35.9796
Type of gen. func.: revogf

$$\frac{x (1 + 2 x)}{}$$

$$10 x^2 + 4 x + 1$$

Sequence: A151019
Score: 4.27655
Type of gen. func.: ogf

$$\{(120 n + 240) a(n + 1) + (-24 n - 48) a(n + 2) + (-5 n - 25) a(n + 3) + (n + 5) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 10, a(3) = 32\}$$

Sequence: A151090
Score: 11.2144
Type of gen. func.: ogf

$$-5 f(x)^2 x^2 + f(x)^2 x - 4 f(x) x + f(x) - 1$$

Sequence: A151090
Score: 4.25374
Type of gen. func.: ogf

$$\{(20 n + 40) a(n + 1) + (16 n + 62) a(n + 2) + (-9 n - 39) a(n + 3) + (n + 5) a(n + 4), a(0) = 1, a(1) = 3, a(2) = 11, a(3) = 43\}$$

Sequence: A151090
Score: 40.4917
Type of gen. func.: revogf

$$\frac{x (x + 1)}{5 x^2 + 4 x + 1}$$

Sequence: A151162
Score: 10.6481
Type of gen. func.: ogf

$$-12 f(x)^2 x^2 + 3 f(x)^2 x - 6 f(x) x + f(x) - 1$$

Sequence: A151162
Score: 34.0570
Type of gen. func.: revogf

$$\frac{x (1 + 3 x)}{12 x^2 + 6 x + 1}$$

Sequence: A151162
Score: 4.09139
Type of gen. func.: ogf

$$\{(48 n + 96) a(n + 1) + (-12 n - 24) a(n + 2) + (-4 n - 20) a(n + 3) + (n + 5) a(n + 4), a(0) = 1, a(1) = 3, a(2) = 12, a(3) = 45\}$$

Sequence: A151241
Score: 10.8603
Type of gen. func.: ogf

$$-15 f(x)^2 x^2 + 3 f(x)^2 x - 6 f(x) x + f(x) - 1$$

Sequence: A151241
Score: 34.7531
Type of gen. func.: revogf

$$\frac{x (1 + 3 x)}{15 x^2 + 6 x + 1}$$

Sequence: A151241
Score: 4.13222
Type of gen. func.: ogf

$$\{(120 n + 240) a(n + 1) + (-24 n - 48) a(n + 2) + (-5 n - 25) a(n + 3) + (n + 5) a(n + 4), a(0) = 1, a(1) = 3, a(2) = 15, a(3) = 63\}$$

Sequence: A151251
Score: 10.9856
Type of gen. func.: ogf

$$10 f(x)^2 x^2 - 2 f(x)^2 x + 6 f(x) x - f(x) + 1$$

Sequence: A151251
Score: 35.1603
Type of gen. func.: revogf

$$\frac{x (1 + 2 x)}{10 x^2 + 6 x + 1}$$

Sequence: A151251
Score: 4.22108
Type of gen. func.: ogf

$$\{(20 n + 40) a(n + 1) + (16 n + 62) a(n + 2) + (-9 n - 39) a(n + 3) + (n + 5) a(n + 4), a(0) = 1, a(1) = 4, a(2) = 18, a(3) = 84\}$$

Sequence: A151253
Score: 11.1109
Type of gen. func.: ogf

$$-15 f(x)^2 x^2 + 3 f(x)^2 x - 7 f(x) x + f(x) - 1$$

Sequence: A151253
Score: 35.5676
Type of gen. func.: revogf

$$\frac{x (1 + 3 x)}{15 x^2 + 7 x + 1}$$

Sequence: A151253
Score: 4.26924
Type of gen. func.: ogf

$$\{(55 n + 110) a(n + 1) + (-n + 13) a(n + 2) + (-7 n - 32) a(n + 3) + (n + 5) a(n + 4), a(0) = 1, a(1) = 4, a(2) = 19, a(3) = 91\}$$

Sequence: A151254
Score: 11.1109
Type of gen. func.: ogf

$$-20 f(x)^2 x^2 + 4 f(x)^2 x - 8 f(x) x + f(x) - 1$$

Sequence: A151254
Score: 35.5676
Type of gen. func.: revogf

$$\frac{x (4 x + 1)}{20 x^2 + 8 x + 1}$$

Sequence: A151254
Score: 4.24831
Type of gen. func.: ogf

$$\{(-80 n - 160) a(n + 1) + (16 n + 32) a(n + 2) + (5 n + 25) a(n + 3) + (-n - 5) a(n + 4), a(0) = 1, a(1) = 4, a(2) = 20, a(3) = 96\}$$

Sequence: A151281
Score: 11.8183
Type of gen. func.: ogf

$$-6 f(x)^2 x^2 + 2 f(x)^2 x - 4 f(x) x + f(x) - 1$$

Sequence: A151281
Score: 38.9683
Type of gen. func.: revogf

$$\frac{x (1 + 2 x)}{6 x^2 + 4 x + 1}$$

Sequence: A151281
Score: 4.52740
Type of gen. func.: ogf

$\{(24 n + 48) a(n + 1) + (-8 n - 16) a(n + 2) + (-3 n - 15) a(n + 3) + (n + 5) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 16\}$

Sequence: A151282
Score: 12.103
Type of gen. func.: ogf

$$4 f(x)^2 x^2 - f(x)^2 x + 3 f(x) x - f(x) + 1$$

Sequence: A151282
Score: 4.63646
Type of gen. func.: ogf

$\{(28 n + 56) a(n + 1) + (n + 14) a(n + 2) + (-6 n - 27) a(n + 3) + (n + 5) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 18\}$

Sequence: A151282
Score: 43.7297
Type of gen. func.: revogf

$$\frac{x (x + 1)}{4 x^2 + 3 x + 1}$$

Sequence: A151292
Score: 11.3382
Type of gen. func.: ogf

$$-5 f(x)^2 x^2 + f(x)^2 x - 3 f(x) x + f(x) - 1$$

Sequence: A151292
Score: 4.32196
Type of gen. func.: ogf

$\{(55 n + 110) a(n + 1) + (-n + 13) a(n + 2) + (-7 n - 32) a(n + 3) + (n + 5) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 7, a(3) = 23\}$

Sequence: A151292
Score: 40.9385
Type of gen. func.: revogf

$$\frac{x (x + 1)}{5 x^2 + 3 x + 1}$$

Sequence: A151318
Score: 11.6199
Type of gen. func.: ogf

$$10 f(x)^2 x^2 - 2 f(x)^2 x + 5 f(x) x - f(x) + 1$$

Sequence: A151318
Score: 37.2155
Type of gen. func.: revogf

$$\frac{x (1 + 2 x)}{10 x^2 + 5 x + 1}$$

Sequence: A151318
Score: 5.88543
Type of gen. func.: ogf

{(-15 n - 30) a(n + 1) + (-2 n - 10) a(n + 2) + (n + 4) a(n + 3), a(0) = 1,

a(1) = 3, a(2) = 13}

Sequence: A151323
Score: 17.5286
Type of gen. func.: revogf

$$\frac{x (x + 1) (2 x^2 + 2 x + 1)}{12 x^4 + 24 x^3 + 18 x^2 + 6 x + 1}$$

Sequence: A151323

Score: 5.77572
Type of gen. func.: ogf

$$\{(-12 n - 24) a(n + 1) + (-4 n - 14) a(n + 2) + (n + 4) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 14\}$$

Sequence: A151332
Score: 4.83695
Type of gen. func.: ogf

$$\{(128 n^3 + 576 n^2 + 856 n + 420) a(n + 1) + (-2 n^3 - 15 n^2 - 37 n - 30) a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A151341
Score: 3.92407
Type of gen. func.: ogf

$$\{(48 n^3 + 288 n^2 + 564 n + 360) a(n + 1) + (8 n^3 + 72 n^2 + 214 n + 210) a(n + 2) + (-n^3 - 12 n^2 - 47 n - 60) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 4\}$$

Sequence: A151366
Score: 3.73209
Type of gen. func.: ogf

$$\{(36 n^2 + 180 n + 216) a(n + 1) + (24 n^2 + 180 n + 324) a(n + 2) + (n^2 + 7 n + 12) a(n + 3) + (-n^2 - 15 n - 56) a(n + 4), a(0) = 1, a(1) = 0, a(2) = 2, a(3) = 2\}$$

Sequence: A151374
Score: 19.1458
Type of gen. func.: ogf

$$-1 + f(x) - 2 f(x)^2 x$$

Sequence: A151374
Score: 23.4020
Type of gen. func.: lgdogf

$$\frac{4}{(1-8x)^{1/2}\,(1+(1-8x)^{1/2})}$$

Sequence: A151374
Score: 7.47598
Type of gen. func.: ogf

$$\{(-8 n - 12) a(n + 1) + (n + 3) a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A151374
Score: 70.2060
Type of gen. func.: revogf

$$-x (2 x - 1)$$

Sequence: A151379
Score: 4.04750
Type of gen. func.: ogf

$$\{(-64 n^3 - 384 n^2 - 752 n - 480) a(n + 1) + (-8 n^2 - 44 n - 60) a(n + 2) + (n^3 + 11 n^2 + 40 n + 48) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 4\}$$

Sequence: A151383
Score: 18.9986
Type of gen. func.: ogf

$$-1 + f(x) - 3 f(x)^2 x$$

Sequence: A151383
Score: 21.9022
Type of gen. func.: lgdogf

$$\frac{6}{(1 - 12 x)^{1/2} (1 + (1 - 12 x)^{1/2})}$$

Sequence: A151383
Score: 69.6889
Type of gen. func.: revogf

$$-x (-1 + 3 x)$$

Sequence: A151383
Score: 7.34851
Type of gen. func.: ogf

$$\{(-12 n - 18) a(n + 1) + (n + 3) a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A151392
Score: 3.66244
Type of gen. func.: ogf

$$\{(-16 n^2 - 48 n - 36) a(n + 1) + (n^2 + 5 n + 6) a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A151392
Score: 9.00960
Type of gen. func.: ogf

$$\mathrm{hypergeom}([1/2, 1/2], [2], 16 x)$$

Sequence: A151403
Score: 18.7869
Type of gen. func.: ogf

$$-1 + f(x) - 4 f(x)^2 x$$

Sequence: A151403
Score: 21.6596
Type of gen. func.: lgdogf

$$\frac{8}{(1 - 16 x)^{1/2} (1 + (1 - 16 x)^{1/2})}$$

Sequence: A151403
Score: 68.9169
Type of gen. func.: revogf

$$-x (-1 + 4 x)$$

Sequence: A151403
Score: 7.26664
Type of gen. func.: ogf

$$\{(-16 n - 24) a(n + 1) + (n + 3) a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A151410
Score: 3.80947
Type of gen. func.: ogf

$$\{(48 n^3 + 288 n^2 + 564 n + 360) a(n + 1)$$
$$+ (8 n^3 + 76 n^2 + 236 n + 240) a(n + 2)$$
$$+ (-n^3 - 11 n^2 - 40 n - 48) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 10\}$$

Sequence: A151422
Score: 18.071
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A151435
Score: 17.1558
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A151483
Score: 11.2157
Type of gen. func.: ogf

$$-16 f(x)^2 x^3 - 4 f(x) x^2 + 8 f(x) x - f(x) - 7 x + 1$$

Sequence: A151483
Score: 19.2842
Type of gen. func.: revogf

$$-\frac{-1 - 8 x + (-(-1 + 4 x)^3)^{1/2}}{2 (16 x^2 + 4 x + 7)}$$

Sequence: A151483
Score: 6.01103
Type of gen. func.: ogf

$\{(-12 n - 24) a(n + 1) + (-4 n - 12) a(n + 2) + (n + 6) a(n + 3), a(0) = 1,$

$a(1) = 1, a(2) = 4\}$

Sequence: A151542
Score: 14.5608
Type of gen. func.: ogf

$$\frac{3 x (3 x - 4)}{(x - 1)^3}$$

Sequence: A151542
Score: 33.3140
Type of gen. func.: lgdogf

$$-\frac{3 (-3 + 2 x)}{(x - 1) (3 x - 4)}$$

Sequence: A151542
Score: 7.28039

Type of gen. func.: ogf

$$-(67 f(x) - 4095) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x - 9 x^{2} - f(x) + 12 x)$$

Sequence: A151542
Score: 7.47367
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 12, a(2) = 27\}$$

Sequence: A151556
Score: 3.55794
Type of gen. func.: ogf

$$(x^{10} + 69 x^{9} + 282 x^{8} + 2664 x^{7} + 2957 x^{6} + 7494 x^{5} + 2957 x^{4} + 2664 x^{3} + 282 x^{2} + 69 x + 1) / ((x + 1)^{5} (x - 1)^{6})$$

Sequence: A151559
Score: 17.8566
Type of gen. func.: ogf

$$-(f(x) - 1)^{3}$$

Sequence: A151560
Score: 15.9939
Type of gen. func.: ogf

$$-(f(x) - 1)^{3}$$

Sequence: A151561
Score: 8.60459
Type of gen. func.: ogf

$$(f(x) - 1)^{2} (-796544 x^{5} + f(x) - 1)$$

Sequence: A151564
Score: 3.85957
Type of gen. func.: ogf_with_Euler_transform]

$$30 x^{14} (128 x^2 + 17 x + 128)$$

Sequence: A151575
Score: 12.3591
Type of gen. func.: ogf

$$2 f(x) x^2 - f(x) x - f(x) + x + 1$$

Sequence: A151575
Score: 17.3027
Type of gen. func.: ogf

$$- \frac{x + 1}{(1 + 2 x) (x - 1)}$$

Sequence: A151575
Score: 22.2930
Type of gen. func.: revogf

$$\frac{x - 1 + (9 x^2 + 2 x + 1)^{1/2}}{2 (1 + 2 x)}$$

Sequence: A151575
Score: 9.61262
Type of gen. func.: ogf

$$\{-a(n + 2) - a(n + 1) + 2 a(n), a(0) = 1, a(1) = 0\}$$

Sequence: A151617
Score: 8.99109
Type of gen. func.: ogf

$$-f(x) (11 f(x) x^2 + 1936 x^3 + 2 f(x) x + 176 x^2 - f(x) + 18 x + 2)$$

Sequence: A151666
Score: 7.79853
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(x^{2}+1)(x^{8}+1)(x^{32}+1)}$$

Sequence: A151670
Score: 12.1585
Type of gen. func.: lgdogf

$$\frac{2(124x^{30}+60x^{29}+52x^{25}+25x^{24}+12x^{5}+5x^{4}+1)}{(1+2x)(2x^{5}+1)(2x^{25}+1)}$$

Sequence: A151670
Score: 7.71227
Type of gen. func.: ogf

$$(1+2x)(2x^{5}+1)(2x^{25}+1)$$

Sequence: A151671
Score: 12.2166
Type of gen. func.: lgdogf

$$\frac{3(279x^{30}+90x^{29}+78x^{25}+25x^{24}+18x^{5}+5x^{4}+1)}{(1+3x)(3x^{5}+1)(3x^{25}+1)}$$

Sequence: A151671
Score: 7.66920
Type of gen. func.: ogf

$$(3x^{5}+1)(1+3x)(3x^{25}+1)$$

Sequence: A151674
Score: 11.8129
Type of gen. func.: lgdogf

$$\frac{4\,(496\,x^{30} + 120\,x^{29} + 104\,x^{25} + 25\,x^{24} + 24\,x^{5} + 5\,x^{4} + 1)}{(4\,x + 1)\,(4\,x^{5} + 1)\,(4\,x^{25} + 1)}$$

Sequence: A151674
Score: 7.70279
Type of gen. func.: ogf

$$(4\,x + 1)\,(4\,x^{5} + 1)\,(4\,x^{25} + 1)$$

Sequence: A151675
Score: 10.8314
Type of gen. func.: ogf

$$\frac{3\,x^{2} - 5\,x + 8}{(x - 1)^{4}}$$

Sequence: A151675
Score: 20.3531
Type of gen. func.: lgdogf

$$-\frac{3\,(2\,x^{2} - 3\,x + 9)}{(x - 1)\,(3\,x^{2} - 5\,x + 8)}$$

Sequence: A151675
Score: 5.30047
Type of gen. func.: ogf

$$(4493664\,f(x) + 5354051)$$

$$(f(x)\,x^{4} - 4\,f(x)\,x^{3} + 6\,f(x)\,x^{2} - 4\,f(x)\,x - 3\,x^{2} + f(x) + 5\,x - 8)$$

Sequence: A151695
Score: 15.6517
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A151696
Score: 2.75447
Type of gen. func.: ogf

$$(f(x) - 1) (-26679948240000000 x^6 + 881635496473 f(x) x^2 - 44717833600 f(x) x - 881635496473 x^2 + 174845000 f(x) + 44717833600 x - 174845000)$$

Sequence: A151697
Score: 14.983
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A151698
Score: 7.6521
Type of gen. func.: ogf

$$(f(x) - 1)^2 (-27393120 x^4 + f(x) - 1)$$

Sequence: A151746
Score: 10.9076
Type of gen. func.: ogf

$$-\frac{4 x^3 - 5 x^2 - 2 x + 1}{(-1 + 4 x) (x - 1)^2}$$

Sequence: A151746
Score: 12.5354
Type of gen. func.: lgdogf

$$-\frac{4\,(4x^3-12x^2+6x-1)}{(x-1)(-1+4x)(4x^3-5x^2-2x+1)}$$

Sequence: A151746
Score: 5.61657
Type of gen. func.: ogf

{a(n + 4) - 6 a(n + 3) + 9 a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 4, a(2) = 10,

a(3) = 32}

Sequence: A151746
Score: 6.22
Type of gen. func.: ogf

(11 f(x) + 31)

$(4 f(x) x^3 - 9 f(x) x^2 + 4 x^3 + 6 f(x) x - 5 x^2 - f(x) - 2 x + 1)$

Sequence: A151754
Score: 4.55124
Type of gen. func.: ogf

-(37 f(x) + 65)

$(2 f(x) x^4 - 3 f(x) x^3 + 3 f(x) x^2 + x^3 - 3 f(x) x - x^2 + f(x) - 1)$

Sequence: A151754
Score: 8.66607
Type of gen. func.: ogf

$$-\frac{x^3-x^2-1}{(2x-1)(x-1)(x^2+1)}$$

Sequence: A151754
Score: 9.37907
Type of gen. func.: lgdogf

$$-\frac{2x^6 - 4x^5 - 2x^3 + 3x^2 - 4x + 3}{(x - 1)(2x - 1)(x^2 + 1)(x^3 - x^2 - 1)}$$

Sequence: A151771
Score: 18.7118
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A151794
Score: 15.3696
Type of gen. func.: ogf

$$\frac{2(x^2 - x - 1)}{(x + 1)(2x - 1)}$$

Sequence: A151794
Score: 21.6347
Type of gen. func.: lgdogf

$$\frac{3x^2 + 2x + 2}{(2x - 1)(x + 1)(x^2 - x - 1)}$$

Sequence: A151794
Score: 7.98617
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 2\,a(n + 1),\ a(0) = 2,\ a(1) = 4,\ a(2) = 6\}$$

Sequence: A151794
Score: 8.22817
Type of gen. func.: ogf

$$-(17 f(x) + 30)(2 f(x) x^2 + f(x) x - 2x^2 - f(x) + 2x + 2)$$

Sequence: A151798
Score: 11.3972
Type of gen. func.: ogf

$$\{-a(n+3) + a(n+2),\ a(0) = 1,\ a(1) = 2,\ a(2) = 4\}$$

Sequence: A151798
Score: 12.1186
Type of gen. func.: ogf

$$-(f(x) - 1)\,(f(x)\,x + 2\,x^2 - f(x) + x + 1)$$

Sequence: A151798
Score: 21.2749
Type of gen. func.: ogf

$$-\frac{2\,x^2 + x + 1}{x - 1}$$

Sequence: A151798
Score: 29.3397
Type of gen. func.: lgdogf

$$\frac{2\,(x^2 - 2\,x - 1)}{(x - 1)\,(2\,x^2 + x + 1)}$$

Sequence: A151816
Score: 4.25747
Type of gen. func.: egf]

$$\{(-16\,n^3 - 88\,n^2 - 156\,n - 90)\,a(n+1) + (8\,n^2 + 38\,n + 45)\,a(n+2)$$
$$+ (-n - 3)\,a(n+3),\ a(0) = 0,\ a(1) = 1,\ a(2) = 15/2\}$$

Sequence: A151817
Score: 16.358
Type of gen. func.: egf]

$$-4 f(x)^2 x + f(x)^2 - 4$$

Sequence: A151817
Score: 55.7179
Type of gen. func.: revegf]

$$-\frac{x (-2 + x)}{4}$$

Sequence: A151817
Score: 65.8484
Type of gen. func.: lgdegf]

$$-\frac{2}{-1 + 4 x}$$

Sequence: A151817
Score: 8.36489
Type of gen. func.: ogf

$$\{(-4 n - 6) a(n + 1) + a(n + 2), a(0) = 2, a(1) = 4\}$$

Sequence: A151821
Score: 10.7809
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 4\}$$

Sequence: A151821
Score: 17.2494
Type of gen. func.: ogf

$$-2 f(x) x + f(x) - 2 x - 1$$

Sequence: A151821
Score: 20.9791
Type of gen. func.: ogf

$$-\frac{1 + 2 x}{2 x - 1}$$

Sequence: A151821
Score: 21.7783
Type of gen. func.: revogf

$$- x/2 - 1/4 + \frac{(4 x^2 + 12 x + 1)^{1/2}}{4}$$

Sequence: A151821
Score: 42.3466
Type of gen. func.: lgdogf

$$-\frac{4}{(2 x - 1) (1 + 2 x)}$$

Sequence: A151838
Score: 21.0511
Type of gen. func.: egf]

$$(f(x) - 1)^2$$

Sequence: A151839
Score: 20.8273
Type of gen. func.: ogf

$$(f(x) - 1)^2$$

Sequence: A151842
Score: 11.7996
Type of gen. func.: ogf

$$(x^2 + 1) (x + 1) x$$

$$\frac{\quad}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A151842
Score: 24.5898
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^3 + 2 x^2 + 1]$$

Sequence: A151842
Score: 9.36961
Type of gen. func.: lgdogf

$$-\frac{3 x^5 + 4 x^4 + 5 x^3 + 9 x^2 + 2 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A151876
Score: 16.2349
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A151877
Score: 3.99482
Type of gen. func.: ogf

$$(f(x) - 1)^2 (-2016252 x^5 + 9137 f(x) x^2 - 2562 f(x) x - 9137 x^2 + 126 f(x) + 2562 x - 126)$$

Sequence: A151887
Score: 27.7758
Type of gen. func.: lgdogf

$$\frac{5 (-1 + (12 x^2 + 1)^{1/2})}{3 x}$$

Sequence: A151889
Score: 10.4824
Type of gen. func.: lgdogf

$$-\frac{(x + 1)(x^5 - x^4 + 6 x^3 + 2 x^2 + 13 x + 3)}{(x^3 + 3 x + 2)(x^4 + 4 x^2 - 1)}$$

Sequence: A151889
Score: 11.4567
Type of gen. func.: ogf

$$-\frac{x^3 + 3 x + 2}{x^4 + 4 x^2 - 1}$$

Sequence: A151889
Score: 6.5303
Type of gen. func.: ogf

$$-(220 f(x) - 51) (f(x) x^4 + 4 f(x) x^2 + x^3 - f(x) + 3 x + 2)$$

Sequence: A151898
Score: 10.3987
Type of gen. func.: ogf

$$-\frac{2 x^{11} - 9 x^5 - x^4 - x^3 - x^2 - x - 1}{(x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2}$$

Sequence: A151899
Score: 11.3102
Type of gen. func.: lgdogf

$$-\frac{6 x^8 + 4 x^7 + 5 x^6 + 6 x^5 + 6 x^2 + 2 x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (2 x^3 + x^2 + x + 1)}$$

Sequence: A151899
Score: 12.6731
Type of gen. func.: ogf

$$-\frac{x^2 (2 x^3 + x^2 + x + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A151910
Score: 7.32803
Type of gen. func.: ogf

$$-\frac{2 x^7 + 21 x^6 + 21 x^5 + 23 x^4 + 21 x^3 + 23 x^2 + 21 x + 21}{(x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A151912
Score: 11.2605
Type of gen. func.: lgdogf

$$-\frac{4 (8 x^4 + 4 x^3 + 18 x^2 - 8 x - 1)}{(4 x^2 - 2 x + 1) (8 x^3 + 8 x - 1)}$$

Sequence: A151912
Score: 4.49969
Type of gen. func.: ogf

$(504 f(x) + 2495)$

$$(16 f(x) x^4 - 16 f(x) x^3 + 12 f(x) x^2 + 8 x^3 - 4 f(x) x + f(x) + 8 x - 1)$$

Sequence: A151912
Score: 8.56190
Type of gen. func.: ogf

$$8 x^3 + 8 x - 1$$

$$-\frac{}{(4 x^2 - 2 x + 1)^2}$$

Sequence: A151936
Score: 20.3631
Type of gen. func.: ogf

$$(f(x) - 1)^2$$

Sequence: A151937
Score: 19.8056
Type of gen. func.: ogf

$$(f(x) - 1)^2$$

Sequence: A151938
Score: 16.4282
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A151939
Score: 17.8566
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A151940
Score: 6.17236
Type of gen. func.: ogf

$$(f(x) - 1)^2 (404838 x^5 + 125 f(x) x - 3 f(x) - 125 x + 3)$$

Sequence: A151946
Score: 7.40344
Type of gen. func.: lgdogf

$$\frac{888 x^5 - 1806 x^4 + 1432 x^3 - 1139 x^2 + 766 x - 827}{(x - 1) (222 x^5 - 232 x^4 + 252 x^3 - 383 x^2 - 76 x + 903)}$$

Sequence: A151946
Score: 8.43471
Type of gen. func.: ogf

$$- \frac{9 (222 x^5 - 232 x^4 + 252 x^3 - 383 x^2 - 76 x + 903)}{x - 1}$$

Sequence: A151947
Score: 9.12839
Type of gen. func.: lgdogf

$$\frac{99 (4 x^5 - 2 x^4 - 2 x^3 - 9 x^2 + 12 x + 2)}{(x - 1) (99 x^5 + 99 x^4 + 99 x^3 - 594 x^2 - 85 x - 113)}$$

Sequence: A151947
Score: 9.80369
Type of gen. func.: ogf

$$\frac{99 x^5 + 99 x^4 + 99 x^3 - 594 x^2 - 85 x - 113}{x - 1}$$

Sequence: A151951
Score: 10.1195
Type of gen. func.: ogf

$$\frac{3 (786 x^4 - 150 x^3 - 2028 x^2 - 295 x - 371)}{x - 1}$$

Sequence: A151951
Score: 5.58838

Type of gen. func.: ogf

$$(25043985886573 f(x) + 419261909734081305)$$

$$(-2358 x^4 + 450 x^3 + f(x) x + 6084 x^2 - f(x) + 885 x + 1113)$$

Sequence: A151951
Score: 6.08815
Type of gen. func.: ogf

$$\{-a(n + 5) + a(n + 4), a(0) = 1113, a(1) = 1998, a(2) = 8082, a(3) = 8532,$$
$$a(4) = 6174\}$$

Sequence: A151951
Score: 9.17609
Type of gen. func.: lgdogf

$$\frac{6 (393 x^4 - 574 x^3 - 263 x^2 + 676 x + 111)}{(x - 1) (786 x^4 - 150 x^3 - 2028 x^2 - 295 x - 371)}$$

Sequence: A151955
Score: 9.24249
Type of gen. func.: lgdogf

$$\frac{33 (4 x^5 - 2 x^4 - 2 x^3 - 9 x^2 + 12 x + 2)}{(x - 1) (33 x^5 + 33 x^4 + 33 x^3 - 198 x^2 - 32 x - 34)}$$

Sequence: A151955
Score: 9.80369
Type of gen. func.: ogf

$$\frac{3 (33 x^5 + 33 x^4 + 33 x^3 - 198 x^2 - 32 x - 34)}{x - 1}$$

Sequence: A151956
Score: 11.1052

Type of gen. func.: lgdogf

$$\frac{3 (262 x^3 - 751 x^2 + 716 x + 116)}{(x - 1) (393 x^3 - 1074 x^2 - 181 x - 167)}$$

Sequence: A151956
Score: 11.1598
Type of gen. func.: ogf

$$\frac{6 (393 x^3 - 1074 x^2 - 181 x - 167)}{x - 1}$$

Sequence: A151956
Score: 5.99492
Type of gen. func.: ogf

$$-(3189870043 f(x) + 63859060218066)$$

$$(-2358 x^3 + f(x) x + 6444 x^2 - f(x) + 1086 x + 1002)$$

Sequence: A151956
Score: 6.71653
Type of gen. func.: ogf

{-a(n + 4) + a(n + 3), a(0) = 1002, a(1) = 2088, a(2) = 8532, a(3) = 6174}

Sequence: A151961
Score: 16.8697
Type of gen. func.: ogf

$$-\frac{3 (2 x - 1)}{x^2 - 4 x + 1}$$

Sequence: A151961
Score: 23.3158
Type of gen. func.: lgdogf

$$-\frac{2\,(x^2 - x + 1)}{(2x - 1)\,(x^2 - 4x + 1)}$$

Sequence: A151961
Score: 8.34216
Type of gen. func.: ogf

$$-(15 f(x) - 29)\,(f(x)\,x^2 - 4 f(x)\,x + f(x) + 6x - 3)$$

Sequence: A151961
Score: 9.25777
Type of gen. func.: ogf

$$\{a(n + 2) - 4\,a(n + 1) + a(n),\ a(0) = 3,\ a(1) = 6\}$$

Sequence: A151971
Score: 10.5283
Type of gen. func.: lgdogf

$$-\frac{12x^6 + 30x^5 + 38x^4 + 25x^3 + 33x^2 + 23x + 7}{(x - 1)\,(x + 1)\,(6x^3 + 8x^2 + 6x + 1)\,(x^2 + 1)}$$

Sequence: A151971
Score: 12.2830
Type of gen. func.: ogf

$$\frac{x\,(6x^3 + 8x^2 + 6x + 1)}{(x + 1)\,(x^2 + 1)\,(x - 1)^2}$$

Sequence: A151972
Score: 10.4240
Type of gen. func.: lgdogf

$$-\frac{10x^6 + 17x^5 + 29x^4 + 19x^3 + 25x^2 + 14x + 6}{}$$

$$(x - 1) (x + 1) (x^2 + 1) (5 x^3 + 4 x^2 + 5 x + 1)$$

Sequence: A151972
Score: 12.1637
Type of gen. func.: ogf

$$\frac{x (5 x^3 + 4 x^2 + 5 x + 1)}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A151973
Score: 10.3880
Type of gen. func.: lgdogf

$$- \frac{16 x^6 + 29 x^5 + 47 x^4 + 28 x^3 + 40 x^2 + 23 x + 9}{(x - 1) (x + 1) (x^2 + 1) (8 x^3 + 7 x^2 + 8 x + 1)}$$

Sequence: A151973
Score: 12.1209
Type of gen. func.: ogf

$$\frac{x (8 x^3 + 7 x^2 + 8 x + 1)}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A151974
Score: 53.8872
Type of gen. func.: ogf_with_Euler_transform]

[6]

Sequence: A151974
Score: 6.79818
Type of gen. func.: ogf

{(n + 1) a(n + 2) + (-6 - n) a(n + 1), a(0) = 0, a(1) = 15}

Sequence: A151974
Score: 77.4015
Type of gen. func.: lgdogf

$$-\frac{6}{x-1}$$

Sequence: A151974
Score: 9.68508
Type of gen. func.: ogf

$$\frac{15\,x}{(x-1)^6}$$

Sequence: A151975
Score: 8.16884
Type of gen. func.: lgdogf

$$-\frac{10\,x^6+17\,x^5+29\,x^4+19\,x^3+25\,x^2+14\,x+6}{(x-1)\,(x+1)\,(x^2+1)\,(5\,x^3+4\,x^2+5\,x+1)}$$

Sequence: A151975
Score: 9.00606
Type of gen. func.: ogf

$$\frac{x^7}{(2\,x-1)\,(x^7+x^6+x^5+x^4+x^3+x^2+x-1)}$$

Sequence: A151977
Score: 15.2617
Type of gen. func.: ogf

$$\frac{x\,(15\,x+1)}{(x+1)\,(x-1)^2}$$

Sequence: A151977
Score: 22.9735
Type of gen. func.: lgdogf

$$-\frac{2\,(15\,x^2 + 9\,x + 8)}{(x - 1)\,(15\,x + 1)\,(x + 1)}$$

Sequence: A151977
Score: 7.56561
Type of gen. func.: ogf

$$(49472\,f(x) + 856337)\,(f(x)\,x^3 - f(x)\,x^2 - f(x)\,x - 15\,x^2 + f(x) - x)$$

Sequence: A151977
Score: 7.90336
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 16\}$$

Sequence: A151978
Score: 15.0569
Type of gen. func.: ogf

$$\frac{x\,(16\,x + 1)}{(x + 1)\,(x - 1)^2}$$

Sequence: A151978
Score: 22.6624
Type of gen. func.: lgdogf

$$-\frac{32\,x^2 + 19\,x + 17}{(x - 1)\,(16\,x + 1)\,(x + 1)}$$

Sequence: A151978
Score: 7.46409
Type of gen. func.: ogf

$$(32113 f(x) + 587257) (f(x) x^3 - f(x) x^2 - f(x) x - 16 x^2 + f(x) - x)$$

Sequence: A151978
Score: 7.79731
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 17\}$$

Sequence: A151979
Score: 15.0569
Type of gen. func.: ogf

$$\frac{x (18 x + 1)}{(x + 1) (x - 1)^2}$$

Sequence: A151979
Score: 22.6624
Type of gen. func.: lgdogf

$$- \frac{36 x^2 + 21 x + 19}{(x - 1) (18 x + 1) (x + 1)}$$

Sequence: A151979
Score: 7.40084
Type of gen. func.: ogf

$$(51661 f(x) + 1046188) (f(x) x^3 - f(x) x^2 - f(x) x - 18 x^2 + f(x) - x)$$

Sequence: A151979
Score: 7.79731
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 19\}$$

Sequence: A151980
Score: 10.5283
Type of gen. func.: lgdogf

$$-\frac{8 x^6 + 37 x^5 + 31 x^4 + 24 x^3 + 28 x^2 + 27 x + 5}{(x - 1) (x + 1) (x^2 + 1) (4 x^3 + 11 x^2 + 4 x + 1)}$$

Sequence: A151980
Score: 12.1170
Type of gen. func.: ogf

$$\frac{x (4 x^3 + 11 x^2 + 4 x + 1)}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A151981
Score: 11.5972
Type of gen. func.: ogf

$$\frac{x (15 x^3 + 17 x^2 + 15 x + 1)}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A151981
Score: 9.76692
Type of gen. func.: lgdogf

$$-\frac{2 (15 x^6 + 33 x^5 + 46 x^4 + 26 x^3 + 39 x^2 + 25 x + 8)}{(x - 1) (x + 1) (x^2 + 1) (15 x^3 + 17 x^2 + 15 x + 1)}$$

Sequence: A151983
Score: 14.9910
Type of gen. func.: ogf

$$\frac{x (31 x + 1)}{(x + 1) (x - 1)^2}$$

Sequence: A151983
Score: 21.4350
Type of gen. func.: lgdogf

$$-\frac{2\,(31\,x^2+17\,x+16)}{(x-1)\,(31\,x+1)\,(x+1)}$$

Sequence: A151983
Score: 7.24563
Type of gen. func.: ogf

$$(918656\,f(x)+30442529)\,(f(x)\,x^3-f(x)\,x^2-f(x)\,x-31\,x^2+f(x)-x)$$

Sequence: A151983
Score: 7.76318
Type of gen. func.: ogf

$$\{a(n+3)-a(n+2)-a(n+1)+a(n),\ a(0)=0,\ a(1)=1,\ a(2)=32\}$$

Sequence: A151984
Score: 14.4340
Type of gen. func.: ogf

$$\frac{x\,(63\,x+1)}{(x+1)\,(x-1)^2}$$

Sequence: A151984
Score: 20.1326
Type of gen. func.: lgdogf

$$-\frac{2\,(63\,x^2+33\,x+32)}{(x-1)\,(63\,x+1)\,(x+1)}$$

Sequence: A151984
Score: 6.75139
Type of gen. func.: ogf

$$(15732992 f(x) + 1023676481) (f(x) x^3 - f(x) x^2 - f(x) x - 63 x^2 + f(x) - x)$$

Sequence: A151984
Score: 7.47475
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 64\}$$

Sequence: A151988
Score: 10.5011
Type of gen. func.: ogf

$$\frac{x (x^4 + 1) (x^2 + x + 1) (x^2 - x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A151988
Score: 20.9568
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 - x^7 - x^5 + x^3 + \frac{2 x - 2}{x - 1}$$

Sequence: A151989
Score: 10.9397
Type of gen. func.: lgdogf

$$- \frac{x^4 + 246 x^3 + 1506 x^2 + 1246 x + 126}{(x - 1) (x^4 + 121 x^3 + 381 x^2 + 121 x + 1)}$$

Sequence: A151989
Score: 7.71798
Type of gen. func.: ogf

$$- \frac{x^4 + 121 x^3 + 381 x^2 + 121 x + 1}{}$$

$$(x - 1)^5$$

Sequence: A151997
Score: 2.56917
Type of gen. func.: ogf

{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 9, a(1) = 169,

a(2) = 12769}

Sequence: A151997
Score: 4.37454
Type of gen. func.: ogf

$$-\frac{4000 x^2 - 830 x + 9}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A152011
Score: 12.6334
Type of gen. func.: ogf

$$\frac{3 x^2 - 1}{(x + 1) (-1 + 3 x)}$$

Sequence: A152011
Score: 16.8335
Type of gen. func.: lgdogf

$$\frac{2 (3 x^2 + 1)}{(-1 + 3 x) (x + 1) (3 x^2 - 1)}$$

Sequence: A152011
Score: 6.06901
Type of gen. func.: ogf

{-a(n + 3) + 2 a(n + 2) + 3 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 4}

Sequence: A152011
Score: 9.23938
Type of gen. func.: ogf

$$-3 f(x) x^2 - 2 f(x) x + 3 x^2 + f(x) - 1$$

Sequence: A152015
Score: 10.4794
Type of gen. func.: ogf

$$\frac{x (x^2 + 6 x - 1)}{(x - 1)^4}$$

Sequence: A152015
Score: 22.2814
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + 10 x + 1)}{(x - 1) (x^2 + 6 x - 1)}$$

Sequence: A152015
Score: 3.86361
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-12 - 7 n) a(n + 3) + (5 n + 25) a(n + 2)$$

$$+ (n + 2) a(n + 1), a(0) = 0, a(1) = -1, a(2) = 2, a(3) = 15\}$$

Sequence: A152015
Score: 5.27583
Type of gen. func.: ogf

$$-(38448 f(x) + 74263)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 6 x^2 + f(x) + x)$$

Sequence: A152016
Score: 15.1020
Type of gen. func.: lgdogf

$$-\frac{2x^3+21x^2+36x+1}{(x-1)(x^3+6x^2+6x-1)}$$

Sequence: A152016
Score: 3.75265
Type of gen. func.: ogf

$$\{(-35n^2-129n-118)a(n+1)+(-26n^2-384n-412)a(n+2)$$

$$+(61n^2+129n+14)a(n+3), a(0)=0, a(1)=-2, a(2)=2\}$$

Sequence: A152016
Score: 7.54566
Type of gen. func.: ogf

$$-\frac{2x(x^3+6x^2+6x-1)}{(x-1)^5}$$

Sequence: A152017
Score: 11.1068
Type of gen. func.: lgdogf

$$-\frac{2(x^4+56x^3+186x^2+116x+1)}{(x-1)(x^4+36x^3+66x^2+20x-3)}$$

Sequence: A152017
Score: 6.46580
Type of gen. func.: ogf

$$\frac{x(x^4+36x^3+66x^2+20x-3)}{(x-1)^6}$$

Sequence: A152018
Score: 5.68280
Type of gen. func.: ogf

$$-\frac{9\,(x^{10}+x^{9}+9\,x^{8}+2\,x^{7}+22\,x^{6}+6\,x^{5}+22\,x^{4}+2\,x^{3}+9\,x^{2}+x+1)}{(x-1)^{3}\,(x+1)^{3}\,(x^{2}+1)^{3}}$$

Sequence: A152020
Score: 5.55919
Type of gen. func.: ogf

$$-\frac{x^{10}+x^{9}+9\,x^{8}+2\,x^{7}+22\,x^{6}+6\,x^{5}+22\,x^{4}+2\,x^{3}+9\,x^{2}+x+1}{(x-1)^{3}\,(x+1)^{3}\,(x^{2}+1)^{3}}$$

Sequence: A152029
Score: 17.2717
Type of gen. func.: egf]

$$-1+f(x)-2\,f(x)^{2}\,x$$

Sequence: A152029
Score: 21.1085
Type of gen. func.: lgdegf]

$$\frac{4}{(1-8\,x)^{1/2}\,(1+(1-8\,x)^{1/2})}$$

Sequence: A152029
Score: 6.21176
Type of gen. func.: ogf

$$\{(8\,n^{2}+28\,n+24)\,a(n+1)+(-n-3)\,a(n+2),\ a(0)=1,\ a(1)=2\}$$

Sequence: A152030
Score: 5.36713
Type of gen. func.: ogf

$$-\frac{2x(x^5+36x^4+176x^3+134x^2+15x-2)}{(x-1)^7}$$

Sequence: A152030
Score: 8.29083
Type of gen. func.: lgdogf

$$-\frac{2x^5+113x^4+848x^3+1198x^2+358x+1}{(x-1)(x^5+36x^4+176x^3+134x^2+15x-2)}$$

Sequence: A152031
Score: 11.7302
Type of gen. func.: lgdogf

$$-\frac{2(x^4+26x^3+156x^2+146x+31)}{(x-1)(x^4+16x^3+66x^2+32x+5)}$$

Sequence: A152031
Score: 6.96270
Type of gen. func.: ogf

$$\frac{x(x^4+16x^3+66x^2+32x+5)}{(x-1)^6}$$

Sequence: A152032
Score: 11.7310
Type of gen. func.: ogf

```
           2
          x  + x + 1
      - ----------------
                       3
```

$$(x - 1) (x + 1)$$

Sequence: A152032
Score: 19.4674
Type of gen. func.: lgdogf

$$- \frac{2 x^3 + x^2 + 4 x - 1}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A152032
Score: 28.4795
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + 3 x - 1$$

Sequence: A152032
Score: 6.1689
Type of gen. func.: ogf

$$-(20 f(x) - 9) (f(x) x^4 + 2 f(x) x^3 - 2 f(x) x + x^2 - f(x) + x + 1)$$

Sequence: A152035
Score: 13.4491
Type of gen. func.: ogf

$$-2 f(x) x^2 - 2 f(x) x + 2 x^2 + f(x) - 1$$

Sequence: A152035
Score: 18.3896
Type of gen. func.: ogf

$$\frac{2 x^2 - 1}{2 x^2 + 2 x - 1}$$

Sequence: A152035
Score: 25.3494
Type of gen. func.: lgdogf

$$\frac{2 (2 x^2 + 1)}{(2 x^2 - 1) (2 x^2 + 2 x - 1)}$$

Sequence: A152035
Score: 8.83424
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A152041
Score: 19.2614
Type of gen. func.: lgdogf

$$- \frac{3 (4 x^2 + 20 x + 11)}{(x - 1) (4 x^2 + 13 x + 4)}$$

Sequence: A152041
Score: 3.86736
Type of gen. func.: ogf

$$\{(12 + 4 n) a(n + 4) + (-15 + 9 n) a(n + 3) + (-69 - 9 n) a(n + 2)$$
$$+ (-4 n - 12) a(n + 1), a(0) = 0, a(1) = 4, a(2) = 33, a(3) = 129\}$$

Sequence: A152041
Score: 9.30008
Type of gen. func.: ogf

$$- \frac{x (4 x^2 + 13 x + 4)}{(x - 1)^5}$$

Sequence: A152046

Score: 3.28184
Type of gen. func.: ogf

$$\frac{2 x^2 - 1}{(x + 1) (2 x - 1)}$$

Sequence: A152046
Score: 9.34131
Type of gen. func.: ogf

$$(f(x) - 1) (2 f(x) x^2 + f(x) x - 2 x^2 - f(x) + 1)$$

Sequence: A152053
Score: 10.2123
Type of gen. func.: ogf

$$\frac{9 (3 x^2 + 4 x + 3)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A152053
Score: 12.2017
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^3 + 6 x^2 + 9 x + 2)}{(x - 1) (x + 1) (3 x^2 + 4 x + 3)}$$

Sequence: A152053
Score: 5.14907
Type of gen. func.: ogf

$$\{(n + 4) a(n + 1) + (-n - 2) a(n + 3), a(0) = 27, a(1) = 36, a(2) = 81\}$$

Sequence: A152053
Score: 5.94893
Type of gen. func.: ogf

$$-(14 f(x) + 159) (f(x) x^4 - 2 f(x) x^2 - 27 x^2 + f(x) - 36 x - 27)$$

Sequence: A152055
Score: 12.1536
Type of gen. func.: ogf

$$-\frac{8 x - 1}{61 x^2 - 16 x + 1}$$

Sequence: A152055
Score: 13.0103
Type of gen. func.: lgdogf

$$-\frac{2 (244 x^2 - 61 x + 4)}{(8 x - 1) (61 x^2 - 16 x + 1)}$$

Sequence: A152055
Score: 13.9861
Type of gen. func.: revogf

$$-\frac{-1 - 16 x + (12 x^2 + 1)^{1/2}}{2 (61 x + 8)}$$

Sequence: A152055
Score: 6.20893
Type of gen. func.: ogf

$$-(3 f(x) + 29) (61 f(x) x^2 - 16 f(x) x + f(x) + 8 x - 1)$$

Sequence: A152055
Score: 6.80025
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1) + 61 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A152056
Score: 11.2540
Type of gen. func.: ogf

$$-\frac{9x-1}{78x^2-18x+1}$$

Sequence: A152056
Score: 12.0320
Type of gen. func.: lgdogf

$$-\frac{3(234x^2-52x+3)}{(9x-1)(78x^2-18x+1)}$$

Sequence: A152056
Score: 5.74933
Type of gen. func.: ogf

$$-(2f(x)+25)(78f(x)x^2-18f(x)x+f(x)+9x-1)$$

Sequence: A152056
Score: 6.29688
Type of gen. func.: ogf

$$\{a(n+2)-18a(n+1)+78a(n), a(0)=1, a(1)=9\}$$

Sequence: A152059
Score: 10.2431
Type of gen. func.: lgdegf]

$$-2+9x+(20x^2-9x+1)f(x)+(16x^4-8x^3+x^2)f(x)^2$$

Sequence: A152059
Score: 3.35788
Type of gen. func.: ogf

$$\{(4 n^4 + 18 n^3 + 20 n^2 + 6 n) a(n) + (-n^3 + 12 n + 13) a(n + 1) + (-n - 2) a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A152064
Score: 11.3499
Type of gen. func.: ogf

$$\frac{23 x^2 - 16 x + 5}{(x - 1)^4}$$

Sequence: A152064
Score: 21.3781
Type of gen. func.: lgdogf

$$- \frac{2 (23 x^2 - x + 2)}{(x - 1) (23 x^2 - 16 x + 5)}$$

Sequence: A152064
Score: 3.95022
Type of gen. func.: ogf

$$\{(5 n + 20) a(n + 4) + (-67 - 21 n) a(n + 3) + (80 + 39 n) a(n + 2) + (-69 - 23 n) a(n + 1), a(0) = 5, a(1) = 4, a(2) = 9, a(3) = 32\}$$

Sequence: A152064
Score: 5.71521
Type of gen. func.: ogf

$$-(1000 f(x) + 5239) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 23 x^2 + f(x) + 16 x - 5)$$

Sequence: A152067
Score: 15.8482
Type of gen. func.: ogf

$$\frac{1}{(x^2 - x + 1) (x^{10} + x^9 - x^7 - x^6 - x^5 - x^4 - x^3 + x + 1)}$$

Sequence: A152067
Score: 8.06943
Type of gen. func.: lgdogf

$$- \frac{x^4 (12 x^7 - 7 x^2 - 6 x - 5)}{(x^2 - x + 1) (x^{10} + x^9 - x^7 - x^6 - x^5 - x^4 - x^3 + x + 1)}$$

Sequence: A152083
Score: 11.8403
Type of gen. func.: ogf

$$\frac{x^3 + 3 x^2 + 2 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A152083
Score: 8.89137
Type of gen. func.: lgdogf

$$- \frac{3 x^7 + 13 x^6 + 14 x^5 + 12 x^4 + 7 x^3 + 9 x^2 + 9 x + 3}{(x - 1) (x^3 + 3 x^2 + 2 x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A152090
Score: 13.0232
Type of gen. func.: lgdogf

$$\frac{x^6 + 4 x^3 + 1}{(x^4 - 2 x^3 - 3 x^2 + 1) (x^4 - x^3 - 3 x^2 - x + 1)}$$

Sequence: A152090
Score: 4.85495

Type of gen. func.: ogf

$$-(6 f(x) - 7)$$

$$(f(x) x^4 - f(x) x^3 - x^4 - 3 f(x) x^2 + 2 x^3 - f(x) x + 3 x^2 + f(x) - 1)$$

Sequence: A152090
Score: 8.69096
Type of gen. func.: ogf

$$\frac{x^4 - 2 x^3 - 3 x^2 + 1}{x^4 - x^3 - 3 x^2 - x + 1}$$

Sequence: A152094
Score: 4.21622
Type of gen. func.: ogf

$$(609 f(x) - 514) (64 f(x) x^4 - 8 f(x) x^3 - 64 x^4 - 18 f(x) x^2 + 16 x^3 - f(x) x + 18 x^2 + f(x) - 1)$$

Sequence: A152094
Score: 7.35386
Type of gen. func.: ogf

$$\frac{64 x^4 - 16 x^3 - 18 x^2 + 1}{64 x^4 - 8 x^3 - 18 x^2 - x + 1}$$

Sequence: A152094
Score: 7.55756
Type of gen. func.: lgdogf

$$\frac{512 x^6 - 48 x^4 + 32 x^3 - 6 x^2 + 1}{(64 x^4 - 8 x^3 - 18 x^2 - x + 1) (64 x^4 - 16 x^3 - 18 x^2 + 1)}$$

Sequence: A152096
Score: 4.0458
Type of gen. func.: ogf

$$(3289 f(x) - 2546) (144 f(x) x^4 - 12 f(x) x^3 - 144 x^4 - 27 f(x) x^2 + 24 x^3 - f(x) x + 27 x^2 + f(x) - 1)$$

Sequence: A152096
Score: 7.04604
Type of gen. func.: ogf

$$\frac{144 x^4 - 24 x^3 - 27 x^2 + 1}{144 x^4 - 12 x^3 - 27 x^2 - x + 1}$$

Sequence: A152096
Score: 7.06386
Type of gen. func.: lgdogf

$$\frac{1728 x^6 - 108 x^4 + 48 x^3 - 9 x^2 + 1}{(144 x^4 - 24 x^3 - 27 x^2 + 1) (144 x^4 - 12 x^3 - 27 x^2 - x + 1)}$$

Sequence: A152098
Score: 4.32955
Type of gen. func.: ogf

$$(1425 f(x) - 1378) (16 f(x) x^4 - 4 f(x) x^3 - 16 x^4 - 9 f(x) x^2 + 8 x^3 - f(x) x + 9 x^2 + f(x) - 1)$$

Sequence: A152098
Score: 7.77234
Type of gen. func.: ogf

$$\frac{(x - 1) (16 x^3 + 8 x^2 - x - 1)}{16 x^4 - 4 x^3 - 9 x^2 - x + 1}$$

Sequence: A152098
Score: 7.90089
Type of gen. func.: lgdogf

$$\frac{64 x^6 - 12 x^4 + 16 x^3 - 3 x^2 + 1}{(x - 1) (16 x^3 + 8 x^2 - x - 1) (16 x^4 - 4 x^3 - 9 x^2 - x + 1)}$$

Sequence: A152100
Score: 13.4050
Type of gen. func.: lgdogf

$$\frac{2 (x^3 - 17 x^2 - 41 x - 7)}{(x - 1) (x^4 - 6 x^3 + 26 x^2 + 10 x + 1)}$$

Sequence: A152100
Score: 4.79354
Type of gen. func.: ogf

$$(1464 f(x) + 21953) (f(x) x^4 - 4 f(x) x^3 - x^4 + 6 f(x) x^2 + 6 x^3 - 4 f(x) x - 26 x^2 + f(x) - 10 x - 1)$$

Sequence: A152100
Score: 8.48511
Type of gen. func.: ogf

$$\frac{x^4 - 6 x^3 + 26 x^2 + 10 x + 1}{(x - 1)^4}$$

Sequence: A152101
Score: 3.95197
Type of gen. func.: ogf

$$-(22572447 f(x) - 28025000)$$

$$(64 f(x) x^3 - 84 f(x) x^2 + 21 f(x) x - 96 x^2 - f(x) + 42 x + 9)$$

Sequence: A152101
Score: 4.41304
Type of gen. func.: ogf

$$\{-a(n + 3) + 21 a(n + 2) - 84 a(n + 1) + 64 a(n), a(0) = 9, a(1) = 231, a(2) = 3999\}$$

Sequence: A152101
Score: 6.73343
Type of gen. func.: lgdogf

$$- \frac{2048 x^4 - 1792 x^3 - 72 x^2 + 568 x - 77}{(x - 1) (-1 + 4 x) (16 x - 1) (32 x^2 - 14 x - 3)}$$

Sequence: A152101
Score: 8.02371
Type of gen. func.: ogf

$$\frac{3 (32 x^2 - 14 x - 3)}{(x - 1) (-1 + 4 x) (16 x - 1)}$$

Sequence: A152103
Score: 4.49928
Type of gen. func.: ogf

$$-(51 f(x) - 82)$$

$$(f(x) x^4 - 2 f(x) x^3 - x^4 - 4 f(x) x^2 + 4 x^3 - 2 f(x) x + 4 x^2 + f(x) - 1)$$

Sequence: A152103
Score: 8.16536
Type of gen. func.: ogf

$$x^4 - 4 x^3 - 4 x^2 + 1$$

$$\overline{x^4 - 2 x^3 - 4 x^2 - 2 x + 1}$$

Sequence: A152103
Score: 9.67704
Type of gen. func.: lgdogf

$$\frac{2 (x^6 + x^4 + 8 x^3 + x^2 + 1)}{(x^4 - 4 x^3 - 4 x^2 + 1) (x^4 - 2 x^3 - 4 x^2 - 2 x + 1)}$$

Sequence: A152104
Score: 4.35593
Type of gen. func.: ogf

$(25 f(x) - 54)$

$$(f(x) x^4 - 2 f(x) x^3 - x^4 - 8 f(x) x^2 + 4 x^3 - 2 f(x) x + 8 x^2 + f(x) - 1)$$

Sequence: A152104
Score: 7.69010
Type of gen. func.: ogf

$$\frac{x^4 - 4 x^3 - 8 x^2 + 1}{x^4 - 2 x^3 - 8 x^2 - 2 x + 1}$$

Sequence: A152104
Score: 8.59416
Type of gen. func.: lgdogf

$$\frac{2 (x^6 + 5 x^4 + 8 x^3 + 5 x^2 + 1)}{(x^4 - 4 x^3 - 8 x^2 + 1) (x^4 - 2 x^3 - 8 x^2 - 2 x + 1)}$$

Sequence: A152105
Score: 12.1536
Type of gen. func.: ogf

$$-\frac{8x-1}{(10x-1)(6x-1)}$$

Sequence: A152105
Score: 13.0103
Type of gen. func.: lgdogf

$$-\frac{8(60x^2-15x+1)}{(6x-1)(8x-1)(10x-1)}$$

Sequence: A152105
Score: 13.9861
Type of gen. func.: revogf

$$-\frac{-1-16x+(16x^2+1)^{1/2}}{8(15x+2)}$$

Sequence: A152105
Score: 6.07682
Type of gen. func.: ogf

$$-(49f(x)+207)(60f(x)x^2-16f(x)x+f(x)+8x-1)$$

Sequence: A152105
Score: 6.80025
Type of gen. func.: ogf

$$\{a(n+2)-16a(n+1)+60a(n),\ a(0)=1,\ a(1)=8\}$$

Sequence: A152106
Score: 11.4385
Type of gen. func.: ogf

$$-\frac{9x-1}{(11x-1)(7x-1)}$$

Sequence: A152106
Score: 11.9556
Type of gen. func.: lgdogf

$$-\frac{693 x^2 - 154 x + 9}{(11 x - 1) (7 x - 1) (9 x - 1)}$$

Sequence: A152106
Score: 5.84358
Type of gen. func.: ogf

$$-(8 f(x) + 73) (77 f(x) x^2 - 18 f(x) x + f(x) + 9 x - 1)$$

Sequence: A152106
Score: 6.40011
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1) + 77 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A152107
Score: 12.9390
Type of gen. func.: ogf

$$-\frac{6 x - 1}{31 x^2 - 12 x + 1}$$

Sequence: A152107
Score: 14.1941
Type of gen. func.: lgdogf

$$-\frac{2 (93 x^2 - 31 x + 3)}{(6 x - 1) (31 x^2 - 12 x + 1)}$$

Sequence: A152107
Score: 6.61015
Type of gen. func.: ogf

$$-(5 f(x) + 13) (31 f(x) x^2 - 12 f(x) x + f(x) + 6 x - 1)$$

Sequence: A152107
Score: 7.23968
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 31 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A152108
Score: 13.6450
Type of gen. func.: lgdogf

$$-\frac{308 x^2 - 88 x + 7}{(7 x - 1) (44 x^2 - 14 x + 1)}$$

Sequence: A152108
Score: 13.9861
Type of gen. func.: revogf

$$-\frac{-1 - 14 x + (20 x^2 + 1)^{1/2}}{2 (44 x + 7)}$$

Sequence: A152108
Score: 15.2226
Type of gen. func.: ogf

$$-\frac{7 x - 1}{44 x^2 - 14 x + 1}$$

Sequence: A152108
Score: 7.69315
Type of gen. func.: ogf

$$-(10 f(x) + 39) (44 f(x) x^2 - 14 f(x) x + f(x) + 7 x - 1)$$

Sequence: A152108
Score: 8.51740
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1) + 44 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A152109
Score: 12.1536
Type of gen. func.: ogf

$$-\frac{8 x - 1}{59 x^2 - 16 x + 1}$$

Sequence: A152109
Score: 13.0103
Type of gen. func.: lgdogf

$$-\frac{2 (236 x^2 - 59 x + 4)}{(8 x - 1) (59 x^2 - 16 x + 1)}$$

Sequence: A152109
Score: 13.9861
Type of gen. func.: revogf

$$-\frac{-1 - 16 x + (20 x^2 + 1)^{1/2}}{2 (59 x + 8)}$$

Sequence: A152109
Score: 6.20893
Type of gen. func.: ogf

$$-(5 f(x) + 27) (59 f(x) x^2 - 16 f(x) x + f(x) + 8 x - 1)$$

Sequence: A152109

Score: 6.80025
Type of gen. func.: ogf

$$\{a(n+2) - 16\,a(n+1) + 59\,a(n),\ a(0) = 1,\ a(1) = 8\}$$

Sequence: A152110
Score: 15.9700
Type of gen. func.: lgdogf

$$-\frac{x^3 - 5x^2 - 41x - 19}{(x-1)(x^3 - 4x^2 - 11x - 2)}$$

Sequence: A152110
Score: 3.90081
Type of gen. func.: ogf

$$\{(-89n^2 - 538n - 720)\,a(n+1) + (-6n^2 - 543n - 1575)\,a(n+2) + (95n^2 + 529n + 732)\,a(n+3),\ a(0) = 4,\ a(1) = 38,\ a(2) = 136\}$$

Sequence: A152110
Score: 5.12983
Type of gen. func.: ogf

$$(7072 f(x) + 151037)\,(f(x)\,x^4 - 4 f(x)\,x^3 + 6 f(x)\,x^2 + 2x^3 - 4 f(x)\,x - 8x^2 + f(x) - 22x - 4)$$

Sequence: A152110
Score: 9.60200
Type of gen. func.: ogf

$$-\frac{2(x^3 - 4x^2 - 11x - 2)}{(x-1)^4}$$

Sequence: A152113
Score: 12.5690

Type of gen. func.: ogf

$$-\frac{(x+1)(x^2+1)}{x^4+2x^2-1}$$

Sequence: A152113
Score: 12.9376
Type of gen. func.: lgdogf

$$-\frac{x^6+2x^5+x^4+4x^3+5x^2+6x+1}{(x+1)(x^2+1)(x^4+2x^2-1)}$$

Sequence: A152113
Score: 8.00967
Type of gen. func.: ogf

$$(10 f(x)+3)(f(x) x^4+2 f(x) x^2+x^3+x^2-f(x)+x+1)$$

Sequence: A152116
Score: 4.86077
Type of gen. func.: ogf

$$\frac{(x^4-2x^3+x^2+2x+1)(x^4+2x^3-4x^2-2x+1)}{x^8+x^7-7x^6+6x^5+8x^4-6x^3-7x^2-x+1}$$

Sequence: A152118
Score: 10.5871
Type of gen. func.: ogf

$$\frac{x^4-x^3-5x^2+x+1}{(x^2+2x-1)(x^2-2x-1)}$$

Sequence: A152118

Score: 6.96269
Type of gen. func.: ogf

$$(29 f(x) - 31) (f(x) x^4 - x^4 - 6 f(x) x^2 + x^3 + 5 x^2 + f(x) - x - 1)$$

Sequence: A152118
Score: 9.43203
Type of gen. func.: lgdogf

$$\frac{(x^2 + 1) (x^4 - 2 x^3 + 2 x^2 + 2 x + 1)}{(x^2 + 2 x - 1) (x^2 - 2 x - 1) (x^4 - x^3 - 5 x^2 + x + 1)}$$

Sequence: A152119
Score: 6.03686
Type of gen. func.: ogf

$$(82 f(x) - 93) (f(x) x^4 - x^4 - 7 f(x) x^2 + x^3 + 6 x^2 + f(x) - x - 1)$$

Sequence: A152119
Score: 8.75498
Type of gen. func.: lgdogf

$$\frac{(x^2 + 1) (x^4 - 2 x^3 + 3 x^2 + 2 x + 1)}{(x^2 + 3 x + 1) (x^2 - 3 x + 1) (x^4 - x^3 - 6 x^2 + x + 1)}$$

Sequence: A152119
Score: 9.17936
Type of gen. func.: ogf

$$\frac{x^4 - x^3 - 6 x^2 + x + 1}{(x^2 + 3 x + 1) (x^2 - 3 x + 1)}$$

Sequence: A152120
Score: 5.44733
Type of gen. func.: ogf

$$-(58 f(x) - 49) (9 f(x) x^4 - 9 x^4 - 14 f(x) x^2 + 6 x^3 + 10 x^2 + f(x) - 2 x - 1)$$

Sequence: A152120
Score: 7.61540
Type of gen. func.: lgdogf

$$\frac{2 (3 x^2 + 1) (9 x^4 - 12 x^3 + 2 x^2 + 4 x + 1)}{(9 x^4 - 6 x^3 - 10 x^2 + 2 x + 1) (9 x^4 - 14 x^2 + 1)}$$

Sequence: A152120
Score: 8.49784
Type of gen. func.: ogf

$$\frac{9 x^4 - 6 x^3 - 10 x^2 + 2 x + 1}{9 x^4 - 14 x^2 + 1}$$

Sequence: A152132
Score: 6.60191
Type of gen. func.: ogf

$$- \frac{2 (x^5 - 2 x^4 - 2 x^3 - 3 x^2 - x - 1)}{(x + 1) (x^2 + 1) (x - 1)^4}$$

Sequence: A152132
Score: 7.21494
Type of gen. func.: lgdogf

$$- \frac{2 x^8 - 3 x^7 - 11 x^6 - 24 x^5 - 22 x^4 - 33 x^3 - 21 x^2 - 12 x - 4}{(x - 1) (x + 1) (x^2 + 1) (x^5 - 2 x^4 - 2 x^3 - 3 x^2 - x - 1)}$$

Sequence: A152133
Score: 11.7693

Type of gen. func.: lgdogf

$$-\frac{x^5 - x^4 + x^3 - 11 x^2 - 14 x - 8}{(x - 1) (x + 1) (x^4 - 2 x^3 + x^2 - 2 x - 2)}$$

Sequence: A152133
Score: 8.13140
Type of gen. func.: ogf

$$-\frac{2 (x^4 - 2 x^3 + x^2 - 2 x - 2)}{(x + 1) (x - 1)^4}$$

Sequence: A152134
Score: 7.23723
Type of gen. func.: ogf

$$-\frac{2 (x^4 - 2 x^3 - 3 x^2 - 4)}{(x + 1) (x^2 + 1) (x - 1)^4}$$

Sequence: A152134
Score: 8.18850
Type of gen. func.: lgdogf

$$-\frac{3 x^7 - 5 x^6 - 18 x^5 - 12 x^4 - 39 x^3 - 27 x^2 - 18 x - 12}{(x - 1) (x + 1) (x^2 + 1) (x^4 - 2 x^3 - 3 x^2 - 4)}$$

Sequence: A152135
Score: 11.2161
Type of gen. func.: lgdogf

$$-\frac{x^5 - 5 x^4 + 7 x^3 + 3 x^2 - 20 x - 18}{(x - 1) (x + 1) (x^4 - 4 x^3 + 5 x^2 - 6)}$$

Sequence: A152135
Score: 8.17256
Type of gen. func.: ogf

$$-\frac{2\,(x^4 - 4\,x^3 + 5\,x^2 - 6)}{(x + 1)\,(x - 1)^4}$$

Sequence: A152142
Score: 5.70615
Type of gen. func.: ogf

$$\frac{x^8 - x^7 - 8\,x^6 - 6\,x^5 + 9\,x^4 + 6\,x^3 - 6\,x^2 + x + 1}{(x^4 + x^3 - 3\,x^2 + x + 1)\,(x^4 - x^3 - 3\,x^2 - x + 1)}$$

Sequence: A152152
Score: 5.04804
Type of gen. func.: ogf

$$-\frac{x\,(x^6 - 2\,x^5 + 10\,x^4 - 14\,x^3 + 10\,x^2 - 2\,x + 1)}{(x - 1)\,(x + 1)\,(x^2 - 3\,x + 1)\,(x^2 + x - 1)\,(x^2 - x - 1)}$$

Sequence: A152155
Score: 7.08493
Type of gen. func.: ogf

$$-(f(x)\,x - f(x) - x)^2$$

Sequence: A152161
Score: 11.0489
Type of gen. func.: ogf

$$-\frac{21\,x^2 + 158\,x + 21}{(x - 1)^3}$$

Sequence: A152161
Score: 15.9991
Type of gen. func.: lgdogf

$$-\frac{21 x^2 + 358 x + 221}{(x - 1) (21 x^2 + 158 x + 21)}$$

Sequence: A152161
Score: 6.13830
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 21, a(1) = 221, a(2) = 621}

Sequence: A152161
Score: 6.96379
Type of gen. func.: ogf

$$(979 f(x) - 99882) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 21 x^2 - f(x) + 158 x + 21)$$

Sequence: A152163
Score: 13.8017
Type of gen. func.: ogf

$$\frac{2 x - 1}{x^2 + x - 1}$$

Sequence: A152163
Score: 18.8879
Type of gen. func.: revogf

$$\frac{-1 - x + ((5 x - 1) (x - 1))^{1/2}}{2 (-2 + x)}$$

Sequence: A152163
Score: 23.0196

Type of gen. func.: lgdogf

$$-\frac{2x^2-2x+1}{(2x-1)(x^2+x-1)}$$

Sequence: A152163
Score: 7.3068
Type of gen. func.: ogf

$$(f(x)-1)(f(x)x^2+f(x)x-f(x)-2x+1)$$

Sequence: A152163
Score: 7.57412
Type of gen. func.: ogf

$$\{a(n+2)-a(n+1)-a(n),\ a(0)=1,\ a(1)=-1\}$$

Sequence: A152166
Score: 11.1987
Type of gen. func.: ogf

$$\{-a(n+2)+2a(n),\ a(0)=1,\ a(1)=-2\}$$

Sequence: A152166
Score: 11.3765
Type of gen. func.: ogf

$$-f(x)(2f(x)x^2-f(x)-2x+1)$$

Sequence: A152166
Score: 17.4810
Type of gen. func.: ogf

$$\frac{2x-1}{2x^2-1}$$

Sequence: A152166
Score: 22.8275
Type of gen. func.: lgdogf

$$-\frac{2\,(2x^2-2x+1)}{(2x-1)(2x^2-1)}$$

Sequence: A152166
Score: 22.8275
Type of gen. func.: revogf

$$\frac{-1+(8x^2-8x+1)^{1/2}}{4\,(x-1)}$$

Sequence: A152167
Score: 14.6665
Type of gen. func.: ogf

$$\frac{2x-1}{3x^2-x-1}$$

Sequence: A152167
Score: 7.76459
Type of gen. func.: ogf

$$(7\,f(x)+2)\,(3\,f(x)\,x^2-f(x)\,x-f(x)-2x+1)$$

Sequence: A152167
Score: 8.04867
Type of gen. func.: ogf

$$\{-a(n+2)-a(n+1)+3\,a(n),\ a(0)=1,\ a(1)=-3\}$$

Sequence: A152171
Score: 8.5713
Type of gen. func.: ogf

$$-f(x)^2 x^3 + f(x)^2 x^2 - f(x)^2 x + f(x) - 1$$

Sequence: A152172
Score: 13.6039
Type of gen. func.: revogf

$$\frac{-1 + x + x^2 + (x^4 - 6 x^3 + 3 x^2 + 2 x + 1)^{1/2}}{2 (1 + 2 x)}$$

Sequence: A152172
Score: 7.28422
Type of gen. func.: ogf

$$f(x)^2 x^2 - f(x)^2 x - 2 f(x) x^2 + f(x) x + f(x) - x - 1$$

Sequence: A152173
Score: 11.8435
Type of gen. func.: revogf

$$\frac{-1 - x - x^2 + (x^4 + 6 x^3 + 3 x^2 - 2 x + 1)^{1/2}}{2 (x - 1) (x + 1)}$$

Sequence: A152173
Score: 8.31404
Type of gen. func.: ogf

$$-f(x)^2 x^3 - f(x)^2 x^2 - f(x) x + f(x) + x - 1$$

Sequence: A152174
Score: 12.9151
Type of gen. func.: revogf

$$\frac{-1 + 2 x + ((10 x - 1) (2 x - 1))^{1/2}}{4 (2 x - 1)}$$

Sequence: A152174
Score: 12.9241
Type of gen. func.: ogf

$$\frac{2x-1}{4x^2-2x-1}$$

Sequence: A152174
Score: 15.9739
Type of gen. func.: lgdogf

$$-\frac{4(2x^2-2x+1)}{(2x-1)(4x^2-2x-1)}$$

Sequence: A152174
Score: 6.7626
Type of gen. func.: ogf

$$(13 f(x) + 3) (4 f(x) x^2 - 2 f(x) x - f(x) - 2 x + 1)$$

Sequence: A152174
Score: 7.09248
Type of gen. func.: ogf

$$\{-a(n + 2) - 2 a(n + 1) + 4 a(n), a(0) = 1, a(1) = -4\}$$

Sequence: A152179
Score: 4.56471
Type of gen. func.: ogf

$$-\frac{7x^8+8x^7+2x^6+7x^5+5x^4+5x^3+7x^2+2x+8}{(x-1)(x^2+x+1)(x^6+x^3+1)}$$

Sequence: A152185
Score: 12.5015
Type of gen. func.: ogf

$$\frac{2 x - 1}{5 x^2 - 3 x - 1}$$

Sequence: A152185
Score: 13.5862
Type of gen. func.: revogf

$$\frac{-1 + 3 x + (29 x^2 - 14 x + 1)^{1/2}}{2 (-2 + 5 x)}$$

Sequence: A152185
Score: 15.3739
Type of gen. func.: lgdogf

$$- \frac{5 (2 x^2 - 2 x + 1)}{(2 x - 1) (5 x^2 - 3 x - 1)}$$

Sequence: A152185
Score: 6.54151
Type of gen. func.: ogf

$$(21 f(x) + 4) (5 f(x) x^2 - 3 f(x) x - f(x) - 2 x + 1)$$

Sequence: A152185
Score: 6.86060
Type of gen. func.: ogf

$$\{-a(n + 2) - 3 a(n + 1) + 5 a(n), a(0) = 1, a(1) = -5\}$$

Sequence: A152187
Score: 13.7265
Type of gen. func.: ogf

$$-\frac{1 + 2 x}{5 x^2 + 3 x - 1}$$

Sequence: A152187
Score: 14.4083
Type of gen. func.: revogf

$$\frac{-1 - 3 x + (29 x^2 + 14 x + 1)^{1/2}}{2 (2 + 5 x)}$$

Sequence: A152187
Score: 15.9250
Type of gen. func.: lgdogf

$$-\frac{5 (2 x^2 + 2 x + 1)}{(1 + 2 x) (5 x^2 + 3 x - 1)}$$

Sequence: A152187
Score: 6.86325
Type of gen. func.: ogf

$$-(21 f(x) + 4) (5 f(x) x^2 + 3 f(x) x - f(x) + 2 x + 1)$$

Sequence: A152187
Score: 7.53283
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) - 5 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A152188
Score: 59.2674
Type of gen. func.: lgdegf]

$$-\frac{2}{-1 + 4 x}$$

Sequence: A152188
Score: 72.4379
Type of gen. func.: revegf]

$$-x (x - 1)$$

Sequence: A152189
Score: 8.79719
Type of gen. func.: ogf

$$\frac{x^6 + x^5 - 9 x^4 + 7 x^2 - x - 1}{(x - 1) (x + 1) (x^2 + 3 x + 1) (x^2 - 3 x + 1)}$$

Sequence: A152190
Score: 4.46560
Type of gen. func.: ogf

$$\frac{x^{10} + x^9 - 14 x^8 + x^7 + 45 x^6 - 37 x^4 - x^3 + 10 x^2 - x - 1}{(x - 1) (x + 1) (x^2 + 3 x + 1) (x^2 - 3 x + 1) (x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A152191
Score: 6.07675
Type of gen. func.: ogf

$$\frac{x^8 - x^7 + 2 x^6 + x^5 + 8 x^4 - x^3 + 4 x^2 + x + 1}{(x^4 - x^3 + 2 x^2 + x + 1) (x^4 + x^3 + 2 x^2 - x + 1)}$$

Sequence: A152192
Score: 7.28960
Type of gen. func.: lgdogf

$$\frac{x^{10} + 2 x^9 + 2 x^8 - 4 x^7 + x^6 + 8 x^5 + x^4 - 4 x^3 + 2 x^2 + 2 x + 1}{(x^2 + 1) (x^2 + x - 1) (x^2 - x - 1) (x^6 - x^5 - 3 x^4 - x^2 + x + 1)}$$

Sequence: A152192
Score: 9.01271
Type of gen. func.: ogf

$$\frac{x^6 - x^5 - 3 x^4 - x^2 + x + 1}{(x^2 + 1) (x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A152200
Score: 7.10794
Type of gen. func.: ogf

$$-(3 x^{15} + 17 x^{14} - 6 x^{12} - 6 x^{11} - 3 x^{10} - 3 x^9 - 2 x^8 + 3 x^6 - 3 x^5 + 9 x - 11) / (x - 1)^2$$

Sequence: A152223
Score: 15.3291
Type of gen. func.: ogf

$$\frac{2 x - 1}{6 x^2 - 4 x - 1}$$

Sequence: A152223
Score: 8.02103
Type of gen. func.: ogf

$$(31 f(x) + 5) (6 f(x) x^2 - 4 f(x) x - f(x) - 2 x + 1)$$

Sequence: A152223
Score: 8.41229
Type of gen. func.: ogf

$$\{-a(n + 2) - 4 a(n + 1) + 6 a(n), a(0) = 1, a(1) = -6\}$$

Sequence: A152224
Score: 16.8084
Type of gen. func.: ogf

$$-\frac{1 + 2 x}{6 x^2 + 4 x - 1}$$

Sequence: A152224
Score: 8.40419
Type of gen. func.: ogf

$$-(31 f(x) + 5) (6 f(x) x^2 + 4 f(x) x - f(x) + 2 x + 1)$$

Sequence: A152224
Score: 9.22410
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) - 6 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A152225
Score: 8.95152
Type of gen. func.: ogf

$$f(x)^2 x^2 - 2 f(x) x^2 + 2 f(x) x + x^2 - f(x) - x + 1$$

Sequence: A152239
Score: 12.2492
Type of gen. func.: ogf

$$\frac{2 x - 1}{7 x^2 - 5 x - 1}$$

Sequence: A152239
Score: 13.2369
Type of gen. func.: revogf

$$\frac{-1 + 5 x + (53 x^2 - 18 x + 1)^{1/2}}{}$$

$$2 (-2 + 7 x)$$

Sequence: A152239
Score: 14.9787
Type of gen. func.: lgdogf

$$-\frac{7 (2 x^2 - 2 x + 1)}{(2 x - 1) (7 x^2 - 5 x - 1)}$$

Sequence: A152239
Score: 6.40947
Type of gen. func.: ogf

$$(43 f(x) + 6) (7 f(x) x^2 - 5 f(x) x - f(x) - 2 x + 1)$$

Sequence: A152239
Score: 6.72212
Type of gen. func.: ogf

$$\{-a(n + 2) - 5 a(n + 1) + 7 a(n), a(0) = 1, a(1) = -7\}$$

Sequence: A152240
Score: 13.5989
Type of gen. func.: ogf

$$-\frac{1 + 2 x}{7 x^2 + 5 x - 1}$$

Sequence: A152240
Score: 14.2802
Type of gen. func.: revogf

$$\frac{-5 x - 1 + (53 x^2 + 18 x + 1)^{1/2}}{2 (2 + 7 x)}$$

Sequence: A152240
Score: 15.7834
Type of gen. func.: lgdogf

$$-\frac{7\,(2\,x^{2}+2\,x+1)}{(1+2\,x)\,(7\,x^{2}+5\,x-1)}$$

Sequence: A152240
Score: 6.79943
Type of gen. func.: ogf

$$-(43\,f(x)+6)\,(7\,f(x)\,x^{2}+5\,f(x)\,x-f(x)+2\,x+1)$$

Sequence: A152240
Score: 7.46279
Type of gen. func.: ogf

$$\{a(n+2)-5\,a(n+1)-7\,a(n),\ a(0)=1,\ a(1)=7\}$$

Sequence: A152254
Score: 10.9063
Type of gen. func.: ogf

$$-4\,f(x)^{2}\,x^{2}+12\,f(x)^{2}\,x-f(x)^{2}+4$$

Sequence: A152254
Score: 20.8996
Type of gen. func.: lgdogf

$$-\frac{2\,(-3+2\,x)}{4\,x^{2}-12\,x+1}$$

Sequence: A152254
Score: 3.58033
Type of gen. func.: ogf

$\{(-n-3)\,a(n+3)+(30+12\,n)\,a(n+2)+(-8-4\,n)\,a(n+1),\ a(0)=2,$

a(1) = 12, a(2) = 104}

Sequence: A152256
Score: 4.29702
Type of gen. func.: ogf

$$(11495 f(x) - 1756) (729 f(x) x^4 - 1080 f(x) x^3 + 390 f(x) x^2 - 27 x^3 - 40 f(x) x + 15 x^2 + f(x) - x)$$

Sequence: A152256
Score: 5.60918
Type of gen. func.: lgdogf

$$-\frac{39366 x^5 - 61965 x^4 + 35316 x^3 - 8010 x^2 + 726 x - 25}{(x - 1) (-1 + 3 x) (27 x - 1) (9 x - 1) (27 x^2 - 15 x + 1)}$$

Sequence: A152256
Score: 6.79288
Type of gen. func.: ogf

$$\frac{x (27 x^2 - 15 x + 1)}{(x - 1) (-1 + 3 x) (27 x - 1) (9 x - 1)}$$

Sequence: A152257
Score: 4.39337
Type of gen. func.: ogf

$$-(15541240 f(x) - 248887) (729 f(x) x^4 - 1080 f(x) x^3 + 390 f(x) x^2 + 27 x^3 - 40 f(x) x + f(x) - x)$$

Sequence: A152257
Score: 6.53539
Type of gen. func.: lgdogf

2 3 2

$$-\frac{2\,(81\,x - 33\,x + 4)\,(243\,x - 81\,x - 63\,x + 5)}{(x - 1)\,(-1 + 3\,x)\,(27\,x - 1)\,(9\,x - 1)\,(27\,x^2 - 1)}$$

Sequence: A152257
Score: 7.56842
Type of gen. func.: ogf

$$-\frac{27\,x^2 - 1}{(x - 1)\,(-1 + 3\,x)\,(27\,x - 1)\,(9\,x - 1)}$$

Sequence: A152258
Score: 4.20294
Type of gen. func.: ogf

$$-\frac{x\,(6561\,x^4 + 4050\,x^3 + 1638\,x^2 + 50\,x + 1)}{(x - 1)\,(81\,x - 1)\,(9\,x - 1)\,(9\,x + 1)\,(81\,x + 1)\,(x + 1)}$$

Sequence: A152261
Score: 11.5000
Type of gen. func.: ogf

$$-\frac{9\,x - 1}{76\,x^2 - 18\,x + 1}$$

Sequence: A152261
Score: 12.5938
Type of gen. func.: lgdogf

$$-\frac{684\,x^2 - 152\,x + 9}{(9\,x - 1)\,(76\,x^2 - 18\,x + 1)}$$

Sequence: A152261
Score: 5.81182
Type of gen. func.: ogf

$$-(10 f(x) + 71) (76 f(x) x^2 - 18 f(x) x + f(x) + 9 x - 1)$$

Sequence: A152261
Score: 6.43451
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1) + 76 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A152262
Score: 12.1536
Type of gen. func.: ogf

$$-\frac{7 x - 1}{43 x^2 - 14 x + 1}$$

Sequence: A152262
Score: 13.6450
Type of gen. func.: lgdogf

$$-\frac{301 x^2 - 86 x + 7}{(7 x - 1) (43 x^2 - 14 x + 1)}$$

Sequence: A152262
Score: 13.9861
Type of gen. func.: revogf

$$-\frac{-1 - 14 x + (24 x^2 + 1)^{1/2}}{2 (43 x + 7)}$$

Sequence: A152262
Score: 6.14216
Type of gen. func.: ogf

$$-(12 f(x) + 37) (43 f(x) x^2 - 14 f(x) x + f(x) + 7 x - 1)$$

Sequence: A152262
Score: 6.80025
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1) + 43 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A152263
Score: 12.3416
Type of gen. func.: ogf

$$-\frac{8 x - 1}{58 x^2 - 16 x + 1}$$

Sequence: A152263
Score: 12.9154
Type of gen. func.: lgdogf

$$-\frac{4 (116 x^2 - 29 x + 2)}{(8 x - 1) (58 x^2 - 16 x + 1)}$$

Sequence: A152263
Score: 14.2069
Type of gen. func.: revogf

$$-\frac{-1 - 16 x + (24 x^2 + 1)^{1/2}}{4 (29 x + 4)}$$

Sequence: A152263
Score: 6.30494
Type of gen. func.: ogf

$$-(3 f(x) + 13) (58 f(x) x^2 - 16 f(x) x + f(x) + 8 x - 1)$$

Sequence: A152263
Score: 6.90542
Type of gen. func.: ogf

{a(n + 2) - 16 a(n + 1) + 58 a(n), a(0) = 1, a(1) = 8}

Sequence: A152264
Score: 11.5615
Type of gen. func.: ogf

$$-\frac{9x-1}{75x^2-18x+1}$$

Sequence: A152264
Score: 5.71989
Type of gen. func.: ogf

$$-(166 f(x) + 563) (75 f(x) x^2 - 18 f(x) x + f(x) + 9 x - 1)$$

Sequence: A152264
Score: 6.46893
Type of gen. func.: ogf

{a(n + 2) - 18 a(n + 1) + 75 a(n), a(0) = 1, a(1) = 9}

Sequence: A152265
Score: 11.1310
Type of gen. func.: ogf

$$-\frac{8x-1}{57x^2-16x+1}$$

Sequence: A152265
Score: 11.8976
Type of gen. func.: lgdogf

$$-\frac{2(228x^2-57x+4)}{(8x-1)(57x^2-16x+1)}$$

Sequence: A152265
Score: 5.68649
Type of gen. func.: ogf

$$-(7 f(x) + 25) (57 f(x) x^2 - 16 f(x) x + f(x) + 8 x - 1)$$

Sequence: A152265
Score: 6.22806
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1) + 57 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A152266
Score: 11.6230
Type of gen. func.: ogf

$$-\frac{9 x - 1}{74 x^2 - 18 x + 1}$$

Sequence: A152266
Score: 12.7314
Type of gen. func.: lgdogf

$$-\frac{666 x^2 - 148 x + 9}{(9 x - 1) (74 x^2 - 18 x + 1)}$$

Sequence: A152266
Score: 5.87398
Type of gen. func.: ogf

$$-(14 f(x) + 67) (74 f(x) x^2 - 18 f(x) x + f(x) + 9 x - 1)$$

Sequence: A152266
Score: 6.50333
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1) + 74 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A152267
Score: 11.6230
Type of gen. func.: ogf

$$-\frac{9 x - 1}{73 x^2 - 18 x + 1}$$

Sequence: A152267
Score: 12.7314
Type of gen. func.: lgdogf

$$-\frac{657 x^2 - 146 x + 9}{(9 x - 1) (73 x^2 - 18 x + 1)}$$

Sequence: A152267
Score: 5.87398
Type of gen. func.: ogf

$$-(16 f(x) + 65) (73 f(x) x^2 - 18 f(x) x + f(x) + 9 x - 1)$$

Sequence: A152267
Score: 6.50333
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1) + 73 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A152268
Score: 10.2685
Type of gen. func.: ogf

$$-8 f(x) x^2 + 7 f(x) x - f(x) + x$$

Sequence: A152268
Score: 15.6992
Type of gen. func.: revogf

$$-\frac{-1 - 7 x + (17 x^2 + 14 x + 1)^{1/2}}{16 x}$$

Sequence: A152268
Score: 18.3589
Type of gen. func.: ogf

$$\frac{x}{8 x^2 - 7 x + 1}$$

Sequence: A152268
Score: 24.8571
Type of gen. func.: lgdogf

$$-\frac{-7 + 16 x}{8 x^2 - 7 x + 1}$$

Sequence: A152268
Score: 7.47956
Type of gen. func.: ogf

{a(n + 2) - 7 a(n + 1) + 8 a(n), a(0) = 0, a(1) = 1}

Sequence: A152269
Score: 5.61634
Type of gen. func.: ogf

$$-(149 f(x) + 54) (32 f(x) x^4 - 5 f(x) x^2 - 8 x^3 - 3 x^2 - f(x) + x)$$

Sequence: A152269
Score: 8.71886
Type of gen. func.: lgdogf

5 4 3 2

$$-\frac{512 x + 288 x - 128 x - 15 x + 26 x + 3}{(8 x^2 + 3 x - 1) (32 x^4 - 5 x^2 - 1)}$$

Sequence: A152269
Score: 9.51155
Type of gen. func.: ogf

$$\frac{x (8 x^2 + 3 x - 1)}{32 x^4 - 5 x^2 - 1}$$

Sequence: A152271
Score: 10.3027
Type of gen. func.: ogf

$$(2 f(x) + 7) (f(x) x^4 - 2 f(x) x^2 + x^2 + f(x) - x - 1)$$

Sequence: A152271
Score: 16.8097
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A152271
Score: 21.8661
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 3 x^2 - 2 x - 1}{(x - 1) (x + 1) (x^2 - x - 1)}$$

Sequence: A152297
Score: 14.4643
Type of gen. func.: lgdogf

$$-\frac{2 (5 x^2 - 5 x + 1)}{(2 x - 1) (5 x^2 - 4 x + 1)}$$

Sequence: A152297
Score: 7.79133
Type of gen. func.: egf]

$$\mathrm{hypergeom}([1/3, 2/3], [1, 1], 27 x) \exp(-x)$$

Sequence: A152298
Score: 11.9485
Type of gen. func.: ogf

$$\frac{x (3 x^2 + x + 1)}{(x - 1) (-1 + 3 x) (1 + 3 x) (x + 1)}$$

Sequence: A152298
Score: 6.98873
Type of gen. func.: ogf

$$-(121 f(x) - 112) (9 f(x) x^4 - 10 f(x) x^2 - 3 x^3 - x^2 + f(x) - x)$$

Sequence: A152298
Score: 7.88498
Type of gen. func.: lgdogf

$$-\frac{54 x^5 + 27 x^4 + 36 x^3 - 10 x^2 - 26 x - 1}{(x - 1) (-1 + 3 x) (1 + 3 x) (x + 1) (3 x^2 + x + 1)}$$

Sequence: A152299
Score: 5.41216
Type of gen. func.: ogf

$$(1195742 f(x) + 50913) (81 f(x) x^4 - 82 f(x) x^2 - 9 x^2 + f(x) - 5 x - 1)$$

Sequence: A152299
Score: 6.32385
Type of gen. func.: lgdogf

$$-\frac{1458 x^5 + 1215 x^4 + 324 x^3 - 410 x^2 - 182 x - 5}{(x - 1) (9 x - 1) (9 x + 1) (x + 1) (9 x^2 + 5 x + 1)}$$

Sequence: A152299
Score: 9.63181
Type of gen. func.: ogf

$$\frac{9 x^2 + 5 x + 1}{(x - 1) (9 x - 1) (9 x + 1) (x + 1)}$$

Sequence: A152390
Score: 13.3263
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^3 - 15 x^2 + 24 x + 17)}{(x - 1) (4 x^3 - 14 x^2 + 19 x + 3)}$$

Sequence: A152390
Score: 3.51357
Type of gen. func.: ogf

$$\{(-797 n^2 - 7023 n - 13896) a(n + 1) + (1581 n^2 + 10960 n + 16378) a(n + 2)$$

$$+ (-784 n^2 - 3989 n - 4911) a(n + 3), a(0) = 6, a(1) = 68, a(2) = 252\}$$

Sequence: A152390
Score: 8.09304
Type of gen. func.: ogf

$$-\frac{2 (4 x^3 - 14 x^2 + 19 x + 3)}{5}$$

$$(x - 1)$$

Sequence: A152417
Score: 11.8537
Type of gen. func.: ogf

$$\frac{x (5 x^2 + 3 x + 1)}{(x - 1) (5 x + 1) (5 x - 1) (x + 1)}$$

Sequence: A152417
Score: 7.18057
Type of gen. func.: ogf

$$(2343 f(x) - 379) (25 f(x) x^4 - 26 f(x) x^2 - 5 x^3 - 3 x^2 + f(x) - x)$$

Sequence: A152417
Score: 7.36651
Type of gen. func.: lgdogf

$$- \frac{250 x^5 + 225 x^4 + 100 x^3 - 78 x^2 - 62 x - 3}{(x - 1) (5 x - 1) (5 x + 1) (x + 1) (5 x^2 + 3 x + 1)}$$

Sequence: A152418
Score: 5.42479
Type of gen. func.: ogf

$$-(2801 f(x) - 5910) (49 f(x) x^4 - 50 f(x) x^2 - 21 x^3 - 3 x^2 + f(x) - 3 x)$$

Sequence: A152418
Score: 7.16576
Type of gen. func.: lgdogf

$$- \frac{686 x^5 + 147 x^4 + 196 x^3 - 50 x^2 - 114 x - 1}{(x - 1) (7 x + 1) (7 x - 1) (x + 1) (7 x^2 + x + 1)}$$

Sequence: A152418
Score: 9.32384
Type of gen. func.: ogf

$$\frac{3 x (7 x^2 + x + 1)}{(x - 1) (7 x + 1) (7 x - 1) (x + 1)}$$

Sequence: A152429
Score: 11.3770
Type of gen. func.: ogf

$$-\frac{8 x - 1}{(11 x - 1) (5 x - 1)}$$

Sequence: A152429
Score: 11.8899
Type of gen. func.: lgdogf

$$-\frac{2 (220 x^2 - 55 x + 4)}{(5 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A152429
Score: 5.81216
Type of gen. func.: ogf

$$-(9 f(x) + 23) (55 f(x) x^2 - 16 f(x) x + f(x) + 8 x - 1)$$

Sequence: A152429
Score: 6.36569
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1) + 55 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A152435
Score: 5.07098
Type of gen. func.: ogf

$$(9663 f(x) - 1832) (121 f(x) x^4 - 122 f(x) x^2 - 11 x^3 - 3 x^2 + f(x) - x)$$

Sequence: A152435
Score: 5.98703
Type of gen. func.: lgdogf

$$- \frac{2662 x^5 + 1089 x^4 + 484 x^3 - 366 x^2 - 266 x - 3}{(x - 1) (11 x + 1) (11 x - 1) (x + 1) (11 x^2 + 3 x + 1)}$$

Sequence: A152435
Score: 8.29797
Type of gen. func.: ogf

$$\frac{x (11 x^2 + 3 x + 1)}{(x - 1) (11 x + 1) (11 x - 1) (x + 1)}$$

Sequence: A152436
Score: 4.66105
Type of gen. func.: ogf

$$(216587 f(x) - 10475) (169 f(x) x^4 - 170 f(x) x^2 - 13 x^3 - 7 x^2 + f(x) - x)$$

Sequence: A152436
Score: 7.83903
Type of gen. func.: ogf

$$\frac{x (13 x^2 + 7 x + 1)}{(x - 1) (13 x - 1) (13 x + 1) (x + 1)}$$

Sequence: A152437
Score: 5.05164
Type of gen. func.: ogf

$$(798669 f(x) - 28165) (289 f(x) x^4 - 290 f(x) x^2 - 17 x^3 - 9 x^2 + f(x) - x)$$

Sequence: A152437
Score: 6.00066
Type of gen. func.: lgdogf

$$-\frac{9826 x^5 + 7803 x^4 + 1156 x^3 - 2610 x^2 - 614 x - 9}{(x - 1) (17 x + 1) (17 x - 1) (x + 1) (17 x^2 + 9 x + 1)}$$

Sequence: A152437
Score: 8.49594
Type of gen. func.: ogf

$$\frac{x (17 x^2 + 9 x + 1)}{(x - 1) (17 x + 1) (17 x - 1) (x + 1)}$$

Sequence: A152438
Score: 4.51783
Type of gen. func.: ogf

$$(687805 f(x) - 70532) (361 f(x) x^4 - 362 f(x) x^2 - 19 x^3 - 5 x^2 + f(x) - x)$$

Sequence: A152438
Score: 5.30084
Type of gen. func.: lgdogf

$$-\frac{13718 x^5 + 5415 x^4 + 1444 x^3 - 1810 x^2 - 762 x - 5}{(x - 1) (19 x + 1) (19 x - 1) (x + 1) (19 x^2 + 5 x + 1)}$$

Sequence: A152438
Score: 7.59815
Type of gen. func.: ogf

$$\frac{x (19 x^2 + 5 x + 1)}{(x - 1) (19 x + 1) (19 x - 1) (x + 1)}$$

Sequence: A152448
Score: 5.78239
Type of gen. func.: ogf

$$(441778 f(x) - 87047) (f(x) x^4 - 10 f(x) x^2 - x^3 + 4 x^2 + f(x) - x - 1)$$

Sequence: A152448
Score: 8.85653
Type of gen. func.: lgdogf

$$- \frac{x^6 - 8 x^5 + 13 x^4 + 4 x^3 - 13 x^2 - 12 x - 1}{(x^3 - 4 x^2 + x + 1) (x^4 - 10 x^2 + 1)}$$

Sequence: A152448
Score: 9.72494
Type of gen. func.: ogf

$$\frac{x^3 - 4 x^2 + x + 1}{x^4 - 10 x^2 + 1}$$

Sequence: A152450
Score: 10.0373
Type of gen. func.: ogf

$$- \frac{3 x^3 + 6 x^2 - x - 1}{x^4 - 10 x^2 + 1}$$

Sequence: A152450
Score: 5.76055
Type of gen. func.: ogf

$$-(365786 f(x) + 30643) (f(x) x^4 - 10 f(x) x^2 + 3 x^3 + 6 x^2 + f(x) - x - 1)$$

Sequence: A152450
Score: 9.14480
Type of gen. func.: lgdogf

$$-\frac{3x^6+12x^5+27x^4-4x^3+x^2+8x+1}{(3x^3+6x^2-x-1)(x^4-10x^2+1)}$$

Sequence: A152456
Score: 15.3952
Type of gen. func.: lgdegf]

$$-\frac{3x^2-10x+1}{(x-1)(3x^2-8x+3)}$$

Sequence: A152456
Score: 4.65574
Type of gen. func.: egf]

$$-(13 f(x) - 60)(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 3 x^2 - f(x) + 8 x - 3)$$

Sequence: A152456
Score: 8.92985
Type of gen. func.: egf]

$$\frac{3x^2-8x+3}{(x-1)^3}$$

Sequence: A152457
Score: 21.7717
Type of gen. func.: lgdogf

$$-\frac{3x^2+10x+17}{(x-1)(x^2+2x+3)}$$

Sequence: A152457
Score: 3.77423
Type of gen. func.: ogf

$$\{(9 + 3 n) a(n + 4) + (-19 - n) a(n + 3) + (-11 - n) a(n + 2) + (-n - 3) a(n + 1), a(0) = 0, a(1) = 3, a(2) = 17, a(3) = 56\}$$

Sequence: A152457
Score: 9.04905
Type of gen. func.: ogf

$$-\frac{x (x^2 + 2 x + 3)}{(x - 1)^5}$$

Sequence: A152467
Score: 16.7939
Type of gen. func.: lgdogf

$$-\frac{7 x^5 + x^4 + x^3 + x^2 + x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A152467
Score: 22.7186
Type of gen. func.: ogf

$$\frac{x^6}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A152483
Score: 2.06844
Type of gen. func.: ogf

$$(f(x) x^2 - 2 f(x) x + f(x) - 2)^2$$

Sequence: A152494
Score: 2.75758
Type of gen. func.: ogf

$$-\frac{x (1 + 3 x)}{(10 x - 1) (-1 + 3 x)^2}$$

Sequence: A152494
Score: 6.41818
Type of gen. func.: ogf

$$(19 f(x) + 1) (90 f(x) x^3 - 69 f(x) x^2 + 16 f(x) x + 3 x^2 - f(x) + x)$$

Sequence: A152499
Score: 6.12339
Type of gen. func.: ogf

$$(30 f(x) + 1) (320 f(x) x^3 - 176 f(x) x^2 + 28 f(x) x + 2 x^2 - f(x) + x)$$

Sequence: A152504
Score: 6.33853
Type of gen. func.: ogf

$$(140 f(x) + 9) (875 f(x) x^3 - 375 f(x) x^2 + 45 f(x) x + 5 x^2 - f(x) + 3 x)$$

Sequence: A152509
Score: 5.48654
Type of gen. func.: ogf

$$(48109700 f(x) - 1684787)$$

$$(2016 f(x) x^3 - 708 f(x) x^2 + 68 f(x) x + 3 x^2 - f(x) + 2 x)$$

Sequence: A152513
Score: 5.68736
Type of gen. func.: ogf

3 2 2

$$(497 f(x) + 25) (4116 f(x) x - 1225 f(x) x + 98 f(x) x + 7 x - f(x) + 5 x)$$

Sequence: A152517
Score: 5.43771
Type of gen. func.: ogf

$$(380098096 f(x) - 9385081)$$

$$(7680 f(x) x^3 - 1984 f(x) x^2 + 136 f(x) x + 4 x^2 - f(x) + 3 x)$$

Sequence: A152518
Score: 5.39353
Type of gen. func.: ogf

$$(1290 f(x) + 49)$$

$$(13365 f(x) x^3 - 3051 f(x) x^2 + 183 f(x) x + 9 x^2 - f(x) + 7 x)$$

Sequence: A152524
Score: 13.3424
Type of gen. func.: ogf

$$- \frac{4 (128 x^2 - 127)}{(x + 1) (x - 1)^2}$$

Sequence: A152524
Score: 14.5120
Type of gen. func.: lgdogf

$$- \frac{128 x^3 + 128 x^2 - 125 x - 127}{(x - 1) (x + 1) (128 x^2 - 127)}$$

Sequence: A152524
Score: 6.7824
Type of gen. func.: ogf

$$(253 f(x) - 16323052) (f(x) x^3 - f(x) x^2 - f(x) x + 512 x^2 + f(x) - 508)$$

Sequence: A152524
Score: 6.89736
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 508, a(1) = 508, a(2) = 504\}$$

Sequence: A152548
Score: 28.0599
Type of gen. func.: lgdogf

$$-\frac{4 (x + 1)}{(2 x - 1) (1 + 2 x)}$$

Sequence: A152548
Score: 5.08920
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 3) + 4 a(n + 2) + (8 + 4 n) a(n + 1), a(0) = 1, a(1) = 4, a(2) = 10\}$$

Sequence: A152548
Score: 7.98886
Type of gen. func.: ogf

$$8 f(x)^2 x^3 - 12 f(x)^2 x^2 + 6 f(x)^2 x - f(x)^2 + 2 x + 1$$

Sequence: A152577
Score: 4.16587
Type of gen. func.: ogf

$$-(8991 f(x) - 7810) (100 f(x) x^2 - 101 f(x) x + f(x) + 110 x - 11)$$

Sequence: A152577
Score: 4.72133
Type of gen. func.: ogf

$\{a(n + 2) - 101 a(n + 1) + 100 a(n), a(0) = 11, a(1) = 1001\}$

Sequence: A152577
Score: 7.54509
Type of gen. func.: revogf

$$-\frac{-11 - 101 x + (9801 x^2 + 1782 x + 121)^{1/2}}{20 (11 + 10 x)}$$

Sequence: A152577
Score: 8.17154
Type of gen. func.: ogf

$$-\frac{11 (10 x - 1)}{(100 x - 1) (x - 1)}$$

Sequence: A152577
Score: 9.22178
Type of gen. func.: lgdogf

$$-\frac{1000 x^2 - 200 x + 91}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A152579
Score: 13.5070
Type of gen. func.: ogf

$$\frac{49 x^2 - 198 x - 51}{(x - 1)^3}$$

Sequence: A152579
Score: 19.1822
Type of gen. func.: lgdogf

$$-\frac{49 x^2 - 298 x - 351}{2}$$

$$(x - 1) (49 x - 198 x - 51)$$

Sequence: A152579
Score: 7.08027
Type of gen. func.: ogf

$$(6096 f(x) - 1196411)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 49 x^2 - f(x) + 198 x + 51)$$

Sequence: A152579
Score: 7.50387
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 51, a(1) = 351, a(2) = 851\}$$

Sequence: A152592
Score: 4.77104
Type of gen. func.: ogf

$$\frac{x^4 (x^{21} - x^{20} + x^{17} - x^{14} + x^{13} - x^{11} + x^{10} - x^9 + x^8 - x^7 - x^2 + x - 1)}{(x - 1) (x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A152594
Score: 13.0297
Type of gen. func.: ogf

$$\frac{4 x + 1}{2 x^2 + 5 x + 1}$$

Sequence: A152594
Score: 15.2071
Type of gen. func.: revogf

$$- \frac{5 x - 1 + (17 x^2 + 6 x + 1)^{1/2}}{4 (-2 + x)}$$

Sequence: A152594
Score: 16.8968
Type of gen. func.: lgdogf

$$-\frac{8 x^2 + 4 x + 1}{(4 x + 1) (2 x^2 + 5 x + 1)}$$

Sequence: A152594
Score: 6.89809
Type of gen. func.: ogf

$$(7 f(x) - 6) (2 f(x) x^2 + 5 f(x) x + f(x) - 4 x - 1)$$

Sequence: A152594
Score: 7.15045
Type of gen. func.: ogf

$$\{-a(n + 2) - 5 a(n + 1) - 2 a(n), a(0) = 1, a(1) = -1\}$$

Sequence: A152596
Score: 12.9223
Type of gen. func.: ogf

$$-\frac{-1 + 4 x}{(6 x - 1) (x - 1)}$$

Sequence: A152596
Score: 13.5554
Type of gen. func.: revogf

$$-\frac{-1 - 7 x + (25 x^2 - 2 x + 1)^{1/2}}{4 (2 + 3 x)}$$

Sequence: A152596
Score: 14.5981
Type of gen. func.: lgdogf

$$-\frac{3\,(8\,x^2 - 4\,x + 1)}{(x - 1)\,(6\,x - 1)\,(-1 + 4\,x)}$$

Sequence: A152596
Score: 6.39015
Type of gen. func.: ogf

$$-(19\,f(x) - 10)\,(6\,f(x)\,x^2 - 7\,f(x)\,x + f(x) + 4\,x - 1)$$

Sequence: A152596
Score: 7.09150
Type of gen. func.: ogf

$$\{a(n + 2) - 7\,a(n + 1) + 6\,a(n),\ a(0) = 1,\ a(1) = 3\}$$

Sequence: A152599
Score: 12.9390
Type of gen. func.: ogf

$$-\frac{6\,x - 1}{12\,x^2 - 10\,x + 1}$$

Sequence: A152599
Score: 13.5489
Type of gen. func.: revogf

$$-\frac{-1 - 10\,x + (52\,x^2 - 4\,x + 1)^{1/2}}{12\,(1 + 2\,x)}$$

Sequence: A152599
Score: 14.5403
Type of gen. func.: lgdogf

$$-\frac{4\,(18\,x^2 - 6\,x + 1)}{2}$$

$$(6 x - 1) (12 x - 10 x + 1)$$

Sequence: A152599
Score: 6.53907
Type of gen. func.: ogf

$$-(37 f(x) - 21) (12 f(x) x^2 - 10 f(x) x + f(x) + 6 x - 1)$$

Sequence: A152599
Score: 7.23968
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 12 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A152600
Score: 17.7551
Type of gen. func.: revogf

$$\frac{(4 + (1 - 12 x)^{1/2}) x}{4 x + 5}$$

Sequence: A152600
Score: 22.5974
Type of gen. func.: lgdogf

$$\frac{2}{(4 x^2 - 16 x + 1)^{1/2}}$$

Sequence: A152600
Score: 3.50831
Type of gen. func.: ogf

$$\{-4 a(n + 1) n + (16 n + 24) a(n + 2) + (-n - 3) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 10\}$$

Sequence: A152600

Score: 9.24919
Type of gen. func.: ogf

$$-3 f(x)^2 - 4 f(x) x + 8 f(x) - 5$$

Sequence: A152601
Score: 29.5460
Type of gen. func.: revogf

$$-\frac{x (-1 + 3 x)}{1 + 2 x}$$

Sequence: A152601
Score: 9.21
Type of gen. func.: ogf

$$-3 f(x)^2 x - 2 f(x) x + f(x) - 1$$

Sequence: A152618
Score: 11.0869
Type of gen. func.: ogf

$$\frac{9 x^2 - 4 x + 1}{(x - 1)^4}$$

Sequence: A152618
Score: 23.5580
Type of gen. func.: lgdogf

$$-\frac{6 x (1 + 3 x)}{(x - 1) (9 x^2 - 4 x + 1)}$$

Sequence: A152618
Score: 3.82498
Type of gen. func.: ogf

{(n + 4) a(n + 4) + (-5 n - 15) a(n + 3) + (20 + 13 n) a(n + 2)

$$+ (-27 - 9 n) a(n + 1), a(0) = 1, a(1) = 0, a(2) = 3, a(3) = 16\}$$

Sequence: A152618
Score: 5.50357
Type of gen. func.: ogf

$$-(1971 f(x) + 4925)$$

$$(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 4 f(x) x - 9 x^{2} + f(x) + 4 x - 1)$$

Sequence: A152619
Score: 10.4097
Type of gen. func.: ogf

$$\frac{x (x^{2} - 4 x + 9)}{(x - 1)^{4}}$$

Sequence: A152619
Score: 3.78064
Type of gen. func.: ogf

$$\{(27 + 9 n) a(n + 4) + (-58 - 13 n) a(n + 3) + (15 + 5 n) a(n + 2)$$

$$+ (-n - 2) a(n + 1), a(0) = 0, a(1) = 9, a(2) = 32, a(3) = 75\}$$

Sequence: A152619
Score: 5.31405
Type of gen. func.: ogf

$$(217188 f(x) + 816623)$$

$$(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - x^{3} - 4 f(x) x + 4 x^{2} + f(x) - 9 x)$$

Sequence: A152620
Score: 12.1161
Type of gen. func.: ogf

```
   6 x + 1
--------------
   2
```

$$6 x + 8 x + 1$$

Sequence: A152620
Score: 13.7365
Type of gen. func.: revogf

$$- \frac{-1 + 8 x + (40 x^2 + 8 x + 1)^{1/2}}{12 (x - 1)}$$

Sequence: A152620
Score: 14.4410
Type of gen. func.: lgdogf

$$- \frac{2 (18 x^2 + 6 x + 1)}{(6 x + 1) (6 x^2 + 8 x + 1)}$$

Sequence: A152620
Score: 6.26693
Type of gen. func.: ogf

$$(19 f(x) - 15) (6 f(x) x^2 + 8 f(x) x + f(x) - 6 x - 1)$$

Sequence: A152620
Score: 6.64906
Type of gen. func.: ogf

$$\{-a(n + 2) - 8 a(n + 1) - 6 a(n), a(0) = 1, a(1) = -2\}$$

Sequence: A152621
Score: 13.5312
Type of gen. func.: ogf

$$- \frac{6 x - 1}{6 x^2 - 8 x + 1}$$

Sequence: A152621
Score: 14.5543
Type of gen. func.: revogf

$$-\frac{-1 - 8 x + (40 x^2 - 8 x + 1)^{1/2}}{12 (x + 1)}$$

Sequence: A152621
Score: 15.3007
Type of gen. func.: lgdogf

$$-\frac{2 (18 x^2 - 6 x + 1)}{(6 x - 1) (6 x^2 - 8 x + 1)}$$

Sequence: A152621
Score: 6.69126
Type of gen. func.: ogf

$$-(19 f(x) - 15) (6 f(x) x^2 - 8 f(x) x + f(x) + 6 x - 1)$$

Sequence: A152621
Score: 7.42566
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 6 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A152623
Score: 100.582
Type of gen. func.: lgdogf

$$\frac{5}{5 x + 1}$$

Sequence: A152623
Score: 17.6997
Type of gen. func.: ogf

```
                              1 + 5 x - f(x)



------------------------------------------------------------------------------

Sequence:  A152623
Score: 41.1472
Type of gen. func.: revegf]


                                      2 x
                              -----------------
                                              1/2
                              1 + (1 + 10 x)



------------------------------------------------------------------------------

Sequence:  A152623
Score: 9.55784
Type of gen. func.: ogf


                        {a(n + 2), a(0) = 1, a(1) = 5}



------------------------------------------------------------------------------

Sequence:  A152624
Score: 100.582
Type of gen. func.: lgdogf


                                       5
                                    -------
                                    3 + 5 x



------------------------------------------------------------------------------

Sequence:  A152624
Score: 17.6997
Type of gen. func.: ogf


                              3 + 5 x - f(x)



------------------------------------------------------------------------------

Sequence:  A152624
Score: 41.1472
Type of gen. func.: revegf]


                                      2 x
                              -----------------
                                              1/2
                              3 + (9 + 10 x)



------------------------------------------------------------------------------

Sequence:  A152624
Score: 9.55784
```

Type of gen. func.: ogf

$$\{a(n + 2), a(0) = 3, a(1) = 5\}$$

Sequence: A152627
Score: 100.582
Type of gen. func.: lgdogf

$$\frac{5}{7 + 5 x}$$

Sequence: A152627
Score: 17.0676
Type of gen. func.: lgdogf

$$- \frac{5}{-5 x - 7}$$

Sequence: A152627
Score: 17.6997
Type of gen. func.: ogf

$$7 + 5 x - f(x)$$

Sequence: A152627
Score: 39.3582
Type of gen. func.: revegf]

$$\frac{2 x}{7 + (49 + 10 x)^{1/2}}$$

Sequence: A152627
Score: 9.55784
Type of gen. func.: ogf

$$\{a(n + 2), a(0) = 7, a(1) = 5\}$$

Sequence: A152628
Score: 4.75892
Type of gen. func.: egf]

$$-(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152629
Score: 4.75892
Type of gen. func.: egf]

$$-(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152630
Score: 4.75892
Type of gen. func.: egf]

$$-(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152631
Score: 5.10508
Type of gen. func.: egf]

$$(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152632
Score: 5.10508
Type of gen. func.: egf]

$$(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152633
Score: 4.75892
Type of gen. func.: egf]

$$-(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152634
Score: 4.75892
Type of gen. func.: egf]

$$-(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152635
Score: 4.8003
Type of gen. func.: egf]

$$-(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152636
Score: 5.10508
Type of gen. func.: egf]

$$(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152637
Score: 5.10508
Type of gen. func.: egf]

$$(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152638
Score: 4.75892
Type of gen. func.: egf]

$$-(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152639
Score: 4.75892
Type of gen. func.: egf]

$$-(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152640
Score: 4.8003
Type of gen. func.: egf]

$$-(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152641
Score: 4.8003
Type of gen. func.: egf]

$$-(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152642
Score: 4.75892
Type of gen. func.: egf]

$$-(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152643
Score: 4.8003
Type of gen. func.: egf]

$$-(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152644
Score: 4.8003
Type of gen. func.: egf]

$$-(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152645
Score: 5.10508
Type of gen. func.: egf]

$$(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152646
Score: 4.75892
Type of gen. func.: egf]

$$-(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152647
Score: 4.75892
Type of gen. func.: egf]

$$-(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152661
Score: 15.1549
Type of gen. func.: egf]

$$- \frac{2 x}{(x + 1) (x - 1)^3}$$

Sequence: A152661
Score: 15.4994
Type of gen. func.: lgdegf]

$$- \frac{-4 x - 2}{-x^2 + 1}$$

Sequence: A152661
Score: 23.8232
Type of gen. func.: lgdegf]

$$- \frac{2 (1 + 2 x)}{(x - 1) (x + 1)}$$

Sequence: A152661
Score: 4.08366
Type of gen. func.: ogf

$\{(n^3 + 9 n^2 + 26 n + 24) a(n + 1) + (6 + 2 n) a(n + 2) + (-n - 2) a(n + 3),$

$a(0) = 0, a(1) = 2, a(2) = 8\}$

Sequence: A152661
Score: 8.85679
Type of gen. func.: egf]

$$f(x) x^4 - 2 f(x) x^3 + 2 f(x) x - f(x) + 2 x$$

Sequence: A152668
Score: 10.3858
Type of gen. func.: lgdegf]

$$- \frac{3 (x^4 - 2 x^3 - 2 x^2 - 4 x - 1)}{(x - 1) (x + 1) (x^3 - 2 x^2 - x - 1)}$$

Sequence: A152668
Score: 6.01030
Type of gen. func.: lgdegf]

$$- \frac{3 x^4 - 6 x^3 - 6 x^2 - 12 x - 3}{x^5 - 2 x^4 - 2 x^3 + x^2 + x + 1}$$

Sequence: A152668
Score: 6.26881
Type of gen. func.: egf]

$$- \frac{2 (x^3 - 2 x^2 - x - 1)}{(x + 1)^2 (x - 1)^4}$$

Sequence: A152681
Score: 10.7297
Type of gen. func.: ogf

$$f(x)^2 x - 3 f(x) x - f(x) + 1$$

Sequence: A152681
Score: 12.3468
Type of gen. func.: lgdogf

$$-\frac{3 x - 1 + (9 x^2 + 2 x + 1)^{1/2}}{2 (9 x^2 + 2 x + 1)^{1/2} x}$$

Sequence: A152681
Score: 14.3875
Type of gen. func.: revogf

$$-\frac{-x^2 + x}{-1 + 3 x}$$

Sequence: A152681
Score: 41.6703
Type of gen. func.: revogf

$$\frac{x (x - 1)}{-1 + 3 x}$$

Sequence: A152691
Score: 100.502
Type of gen. func.: lgdogf

$$-\frac{2}{x - 1}$$

Sequence: A152691
Score: 13.5917
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 64 x$$

Sequence: A152691
Score: 21.4605
Type of gen. func.: ogf

$$\frac{64 x}{(x - 1)^{2}}$$

Sequence: A152691
Score: 29.1250
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A152691
Score: 40.2007
Type of gen. func.: revogf

$$\frac{x}{(4 + (16 + x)^{1/2})^{2}}$$

Sequence: A152691
Score: 62.3707
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A152691
Score: 9.94512
Type of gen. func.: ogf

{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 64}

Sequence: A152692
Score: 5.34363
Type of gen. func.: ogf

$$-\frac{2 x^2 (21 x^3 - 36 x^2 + 21 x - 4)}{(x - 1)^2 (-1 + 3 x)^2 (2 x - 1)^2}$$

Sequence: A152692
Score: 6.56564
Type of gen. func.: lgdogf

$$-\frac{378 x^5 - 1095 x^4 + 1296 x^3 - 774 x^2 + 230 x - 27}{(x - 1) (-1 + 3 x) (2 x - 1) (21 x^3 - 36 x^2 + 21 x - 4)}$$

Sequence: A152693
Score: 4.75892
Type of gen. func.: egf]

$$-(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152694
Score: 5.10508
Type of gen. func.: egf]

$$(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152695
Score: 4.8003
Type of gen. func.: egf]

$$-(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152696
Score: 5.10508
Type of gen. func.: egf]

$$(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152697
Score: 5.10508
Type of gen. func.: egf]

$$(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152698
Score: 4.75892
Type of gen. func.: egf]

$$-(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152699
Score: 4.75892
Type of gen. func.: egf]

$$-(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152700
Score: 4.8003
Type of gen. func.: egf]

$$-(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152701
Score: 5.10508
Type of gen. func.: egf]

$$(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152702
Score: 4.8003
Type of gen. func.: egf]

$$-(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152703
Score: 5.10508
Type of gen. func.: egf]

$$(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152704
Score: 4.75892
Type of gen. func.: egf]

$$-(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152705
Score: 4.8003
Type of gen. func.: egf]

$$-(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152706
Score: 4.8003
Type of gen. func.: egf]

$$-(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152707
Score: 5.06107
Type of gen. func.: egf]

$$(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152708
Score: 4.8003
Type of gen. func.: egf]

2 2

$$-(f(x) x - 2 f(x) x + f(x) - 1)$$

Sequence: A152709
Score: 4.8003
Type of gen. func.: egf]

$$-(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152710
Score: 4.8003
Type of gen. func.: egf]

$$-(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152711
Score: 4.8003
Type of gen. func.: egf]

$$-(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152712
Score: 5.06107
Type of gen. func.: egf]

$$(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A152718
Score: 8.48144
Type of gen. func.: lgdogf

$$- \frac{x^8 + x^6 - 4 x^5 - x^4 - x^2 + 2 x - 1}{(x^3 - x^2 + 2 x - 1) (x^5 - x^4 + 2 x^3 - x^2 + 2 x - 1) (x^2 + x + 1)}$$

Sequence: A152718
Score: 9.51584

Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)(x^3 - x^2 + 2x - 1)}{x^5 - x^4 + 2x^3 - x^2 + 2x - 1}$$

Sequence: A152725
Score: 10.3500
Type of gen. func.: lgdogf

$$-\frac{3(x^4 + 76x^3 + 466x^2 + 276x + 21)}{(x - 1)(x^4 + 56x^3 + 246x^2 + 56x + 1)}$$

Sequence: A152725
Score: 5.72808
Type of gen. func.: ogf

$$-\frac{x(x^4 + 56x^3 + 246x^2 + 56x + 1)}{(x - 1)^7}$$

Sequence: A152726
Score: 3.75940
Type of gen. func.: ogf

$$\frac{x(x^6 + 120x^5 + 1191x^4 + 2416x^3 + 1191x^2 + 120x + 1)}{(x + 1)(x - 1)^8}$$

Sequence: A152728
Score: 13.8242
Type of gen. func.: lgdogf

$$-\frac{4x^4 + 23x^3 + 21x^2 + 17x + 7}{(x - 1)(x^2 + x + 1)(x^2 + 4x + 1)}$$

Sequence: A152728
Score: 7.99783
Type of gen. func.: lgdogf

$$-\frac{4x^{4}+23x^{3}+21x^{2}+17x+7}{x^{5}+4x^{4}+x^{3}-x^{2}-4x-1}$$

Sequence: A152728
Score: 8.51382
Type of gen. func.: ogf

$$\frac{x^{3}(x^{2}+4x+1)}{(x^{2}+x+1)(x-1)^{4}}$$

Sequence: A152729
Score: 10.0908
Type of gen. func.: lgdogf

$$-\frac{4x^{5}+59x^{4}+114x^{3}+98x^{2}+70x+15}{(x-1)(x+1)(x^{2}+x+1)(x^{2}+10x+1)}$$

Sequence: A152729
Score: 6.70135
Type of gen. func.: ogf

$$-\frac{x^{2}(x+1)(x^{2}+10x+1)}{(x^{2}+x+1)(x-1)^{5}}$$

Sequence: A152730
Score: 5.26375
Type of gen. func.: ogf

$$\frac{x^{2}(x^{4}+26x^{3}+66x^{2}+26x+1)}{{}^{2}\qquad\qquad\qquad{}^{6}}$$

$$(x \ \ + x + 1) (x - 1)$$

Sequence: A152730
Score: 7.53422
Type of gen. func.: lgdogf

$$-\frac{4 x^{6} + 135 x^{5} + 531 x^{4} + 646 x^{3} + 546 x^{2} + 267 x + 31}{(x - 1) (x^{2} + x + 1) (x^{4} + 26 x^{3} + 66 x^{2} + 26 x + 1)}$$

Sequence: A152731
Score: 4.29048
Type of gen. func.: ogf

$$-\frac{x^{2} (x + 1) (x^{4} + 56 x^{3} + 246 x^{2} + 56 x + 1)}{(x^{2} + x + 1) (x - 1)^{7}}$$

Sequence: A152731
Score: 5.85386
Type of gen. func.: lgdogf

$$-\frac{4 x^{7} + 291 x^{6} + 2160 x^{5} + 4273 x^{4} + 4308 x^{3} + 3069 x^{2} + 952 x + 63}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{4} + 56 x^{3} + 246 x^{2} + 56 x + 1)}$$

Sequence: A152732
Score: 11.9993
Type of gen. func.: lgdogf

$$-\frac{6 x^{2} + 2 x + 1}{2 x^{3} + x^{2} + x - 1}$$

Sequence: A152732
Score: 17.0657
Type of gen. func.: ogf

```
                                          2
                                       2 x
                            - -----------------------
                                          2
                              (2 x - 1) (x  + x + 1)



------------------------------------------------------------------------------

Sequence:  A152732
Score: 23.7764
Type of gen. func.: lgdogf


                                     2
                                  6 x  + 2 x + 1
                            - -----------------------
                                          2
                              (2 x - 1) (x  + x + 1)



------------------------------------------------------------------------------

Sequence:  A152732
Score: 6.98142
Type of gen. func.: ogf


    {-a(n + 3) + a(n + 2) + a(n + 1) + 2 a(n), a(0) = 0, a(1) = 0, a(2) = 2}



------------------------------------------------------------------------------

Sequence:  A152732
Score: 9.48093
Type of gen. func.: ogf


                           3         2                 2
                  -2 f(x) x  - f(x) x  - f(x) x - 2 x  + f(x)



------------------------------------------------------------------------------

Sequence:  A152733
Score: 11.6277
Type of gen. func.: lgdogf


                                     2
                                 -9 x  - 4 x - 2
                            - -----------------------
                                  3      2
                              -3 x  - 2 x  - 2 x + 1



------------------------------------------------------------------------------

Sequence:  A152733
Score: 16.5372
Type of gen. func.: ogf


                                         2
                                      3 x
                           - ------------------------
```

$$(-1 + 3 x) (x^2 + x + 1)$$

Sequence: A152733
Score: 19.0759
Type of gen. func.: lgdogf

$$- \frac{9 x^2 + 4 x + 2}{(-1 + 3 x) (x^2 + x + 1)}$$

Sequence: A152733
Score: 6.76521
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) + 3 a(n), a(0) = 0, a(1) = 0, a(2) = 3\}$$

Sequence: A152733
Score: 9.18731
Type of gen. func.: ogf

$$-3 f(x) x^3 - 2 f(x) x^2 - 2 f(x) x - 3 x^2 + f(x)$$

Sequence: A152734
Score: 14.2422
Type of gen. func.: ogf

$$- \frac{5 x (1 + 2 x)}{(x - 1)^3}$$

Sequence: A152734
Score: 17.2093
Type of gen. func.: lgdogf

$$- \frac{-4 x - 5}{-2 x^2 + x + 1}$$

Sequence: A152734
Score: 32.0717
Type of gen. func.: lgdogf

$$-\frac{4 x + 5}{(1 + 2 x) (x - 1)}$$

Sequence: A152734
Score: 7.18301
Type of gen. func.: ogf

$$-(27 f(x) - 130) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 10 x^2 - f(x) + 5 x)$$

Sequence: A152734
Score: 7.37540
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 5, a(2) = 25\}$$

Sequence: A152740
Score: 10.2975
Type of gen. func.: ogf

$$f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 11 x$$

Sequence: A152740
Score: 17.4610
Type of gen. func.: ogf

$$-\frac{11 x}{(x - 1)^3}$$

Sequence: A152740
Score: 28.6859
Type of gen. func.: lgdogf

3

$$-x + 1$$

Sequence: A152740
Score: 61.4203
Type of gen. func.: ogf_with_Euler_transform]

[3]

Sequence: A152740
Score: 7.10801
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 11, a(2) = 33\}$$

Sequence: A152740
Score: 98.9732
Type of gen. func.: lgdogf

$$-\frac{3}{x - 1}$$

Sequence: A152741
Score: 10.5415
Type of gen. func.: ogf

$$f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 13 x$$

Sequence: A152741
Score: 17.8748
Type of gen. func.: ogf

$$-\frac{13 x}{(x - 1)^3}$$

Sequence: A152741
Score: 29.3657
Type of gen. func.: lgdogf

$$\frac{3}{-x+1}$$

Sequence: A152741
Score: 62.8758
Type of gen. func.: ogf_with_Euler_transform]

$$[3]$$

Sequence: A152741
Score: 7.27645
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 0,\ a(1) = 13,\ a(2) = 39\}$$

Sequence: A152741
Score: 90.0910
Type of gen. func.: lgdogf

$$-\frac{3}{x-1}$$

Sequence: A152742
Score: 12.1084
Type of gen. func.: ogf

$$-\frac{13\,(x+1)\,x}{(x-1)^3}$$

Sequence: A152742
Score: 16.2362
Type of gen. func.: lgdogf

$$-\frac{2\,x+4}{x^2-1}$$

Sequence: A152742
Score: 33.7776
Type of gen. func.: ogf_with_Euler_transform]

$$[4 - x]$$

Sequence: A152742
Score: 35.1702
Type of gen. func.: lgdogf

$$-\frac{2 (x + 2)}{(x - 1) (x + 1)}$$

Sequence: A152742
Score: 6.32207
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 13, a(2) = 52\}$$

Sequence: A152742
Score: 6.4945
Type of gen. func.: ogf

$$(4 f(x) + 13) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 13 x^2 - f(x) + 13 x)$$

Sequence: A152743
Score: 12.6133
Type of gen. func.: ogf

$$-\frac{6 x (1 + 2 x)}{(x - 1)^3}$$

Sequence: A152743
Score: 15.2411
Type of gen. func.: lgdogf

$$-\frac{-4 x - 5}{-2 x^2 + x + 1}$$

Sequence: A152743
Score: 32.7469
Type of gen. func.: lgdogf

$$-\frac{4 x + 5}{(1 + 2 x) (x - 1)}$$

Sequence: A152743
Score: 6.53190
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 6, a(2) = 30\}$$

Sequence: A152743
Score: 7.44489
Type of gen. func.: ogf

$$-(9 f(x) - 52) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 12 x^2 - f(x) + 6 x)$$

Sequence: A152744
Score: 11.8750
Type of gen. func.: ogf

$$-\frac{7 x (1 + 2 x)}{(x - 1)^3}$$

Sequence: A152744
Score: 14.3489
Type of gen. func.: lgdogf

$$-\frac{-4 x - 5}{-2 x^2 + x + 1}$$

Sequence: A152744
Score: 30.8072

Type of gen. func.: lgdogf

$$-\frac{4 x + 5}{(1 + 2 x) (x - 1)}$$

Sequence: A152744
Score: 6.14954
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 7, a(2) = 35\}$$

Sequence: A152744
Score: 7.17351
Type of gen. func.: ogf

$$-(27 f(x) - 182) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 14 x^2 - f(x) + 7 x)$$

Sequence: A152745
Score: 12.2751
Type of gen. func.: ogf

$$-\frac{5 x (1 + 3 x)}{(x - 1)^3}$$

Sequence: A152745
Score: 14.8324
Type of gen. func.: lgdogf

$$-\frac{-6 x - 6}{-3 x^2 + 2 x + 1}$$

Sequence: A152745
Score: 31.8585
Type of gen. func.: lgdogf

$$-\frac{6 (x + 1)}{(1 + 3 x) (x - 1)}$$

Sequence: A152745
Score: 6.03351
Type of gen. func.: ogf

$$-(1072 f(x) - 6825) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 15 x^2 - f(x) + 5 x)$$

Sequence: A152745
Score: 6.35673
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 5, a(2) = 30\}$$

Sequence: A152746
Score: 12.0013
Type of gen. func.: ogf

$$-\frac{6 x (1 + 3 x)}{(x - 1)^3}$$

Sequence: A152746
Score: 14.5016
Type of gen. func.: lgdogf

$$-\frac{-6 x - 6}{-3 x^2 + 2 x + 1}$$

Sequence: A152746
Score: 31.1403
Type of gen. func.: lgdogf

$$-\frac{6 (x + 1)}{(1 + 3 x) (x - 1)}$$

Sequence: A152746
Score: 5.94937
Type of gen. func.: ogf

$$-(536 f(x) - 4095) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 18 x^2 - f(x) + 6 x)$$

Sequence: A152746
Score: 6.21496
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 6, a(2) = 36\}$$

Sequence: A152749
Score: 10.2927
Type of gen. func.: ogf

$$-\frac{2 x (x^2 + x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A152749
Score: 11.5793
Type of gen. func.: lgdogf

$$-\frac{3 x^3 + 5 x^2 + 8 x + 2}{x^4 + x^3 - x - 1}$$

Sequence: A152749
Score: 19.5680
Type of gen. func.: lgdogf

$$-\frac{3 x^3 + 5 x^2 + 8 x + 2}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A152749
Score: 33.1846
Type of gen. func.: ogf_with_Euler_transform]

^{2}

$$-x + 2 x + 2$$

Sequence: A152750
Score: 13.7907
Type of gen. func.: ogf

$$-\frac{8 x (1 + 3 x)}{(x - 1)^3}$$

Sequence: A152750
Score: 16.6638
Type of gen. func.: lgdogf

$$-\frac{-6 x - 6}{-3 x^2 + 2 x + 1}$$

Sequence: A152750
Score: 33.3676
Type of gen. func.: lgdogf

$$-\frac{6 (x + 1)}{(1 + 3 x) (x - 1)}$$

Sequence: A152750
Score: 6.83642
Type of gen. func.: ogf

$$-(134 f(x) - 1365) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 24 x^2 - f(x) + 8 x)$$

Sequence: A152750
Score: 7.14162
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 8, a(2) = 48\}$$

Sequence: A152751

Score: 12.1479
Type of gen. func.: ogf

$$-\frac{3 x (5 x + 1)}{(x - 1)^3}$$

Sequence: A152751
Score: 14.3791
Type of gen. func.: lgdogf

$$-\frac{-10 x - 8}{-5 x^2 + 4 x + 1}$$

Sequence: A152751
Score: 28.8962
Type of gen. func.: lgdogf

$$-\frac{2 (4 + 5 x)}{(5 x + 1) (x - 1)}$$

Sequence: A152751
Score: 5.97098
Type of gen. func.: ogf

$$-(1620 f(x) - 9331) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 15 x^2 - f(x) + 3 x)$$

Sequence: A152751
Score: 6.29086
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 3, a(2) = 24\}$$

Sequence: A152756
Score: 3.52769
Type of gen. func.: ogf

$$\{a(n + 3) - 101 a(n + 2) + 100 a(n + 1), a(0) = 1, a(1) = 101, a(2) = 10001\}$$

Sequence: A152756
Score: 3.79904
Type of gen. func.: ogf

$$-(9801 f(x) + 400) (100 f(x) x^2 - 101 f(x) x + 100 x^2 + f(x) - 1)$$

Sequence: A152756
Score: 6.75721
Type of gen. func.: lgdogf

$$-\frac{10100 x^2 - 400 x + 101}{(x - 1) (1 + 10 x) (100 x - 1) (10 x - 1)}$$

Sequence: A152756
Score: 7.18365
Type of gen. func.: ogf

$$-\frac{(10 x - 1) (1 + 10 x)}{(100 x - 1) (x - 1)}$$

Sequence: A152759
Score: 12.2751
Type of gen. func.: ogf

$$-\frac{3 x (6 x + 1)}{(x - 1)^3}$$

Sequence: A152759
Score: 14.5297
Type of gen. func.: lgdogf

$$-\frac{-12 x - 9}{-6 x^2 + 5 x + 1}$$

Sequence: A152759

Score: 29.2036
Type of gen. func.: lgdogf

$$-\frac{3\ (3 + 4\ x)}{(6\ x + 1)\ (x - 1)}$$

Sequence: A152759
Score: 5.9828
Type of gen. func.: ogf

$$-(4361\ f(x) - 29412)\ (f(x)\ x^{3} - 3\ f(x)\ x^{2} + 3\ f(x)\ x + 18\ x^{2} - f(x) + 3\ x)$$

Sequence: A152759
Score: 6.35673
Type of gen. func.: ogf

$$\{a(n + 3) - 3\ a(n + 2) + 3\ a(n + 1) - a(n),\ a(0) = 0,\ a(1) = 3,\ a(2) = 27\}$$

Sequence: A152760
Score: 13.5974
Type of gen. func.: ogf

$$-\frac{4\ x\ (6\ x + 1)}{(x - 1)^{3}}$$

Sequence: A152760
Score: 16.0949
Type of gen. func.: lgdogf

$$-\frac{-12\ x - 9}{-6\ x^{2} + 5\ x + 1}$$

Sequence: A152760
Score: 32.3931
Type of gen. func.: lgdogf

$$-\frac{3\ (3 + 4\ x)}{(6\ x + 1)\ (x - 1)}$$

Sequence: A152760
Score: 6.6273
Type of gen. func.: ogf

$$-(4361 f(x) - 39216) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 24 x^2 - f(x) + 4 x)$$

Sequence: A152760
Score: 7.04150
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 4, a(2) = 36}

Sequence: A152764
Score: 3.03924
Type of gen. func.: ogf

{a(n + 4) - 101 a(n + 3) + 100 a(n + 2), a(0) = 1, a(1) = 111, a(2) = 11011,

a(3) = 1100011}

Sequence: A152764
Score: 3.18629
Type of gen. func.: ogf

$$-(712071 f(x) + 55510) (100 f(x) x^2 + 1000 x^3 - 101 f(x) x + 100 x^2 + f(x) - 10 x - 1)$$

Sequence: A152764
Score: 5.56480
Type of gen. func.: ogf

$$-\frac{(10 x - 1) (1 + 10 x)^2}{(100 x - 1) (x - 1)}$$

Sequence: A152764
Score: 5.66413

Type of gen. func.: lgdogf

$$\frac{10000 x^3 - 21200 x^2 + 1510 x - 111}{(x - 1) (1 + 10 x) (100 x - 1) (10 x - 1)}$$

Sequence: A152767
Score: 12.0013
Type of gen. func.: ogf

$$-\frac{3 x (7 x + 1)}{(x - 1)^3}$$

Sequence: A152767
Score: 13.9215
Type of gen. func.: lgdogf

$$-\frac{-14 x - 10}{-7 x^2 + 6 x + 1}$$

Sequence: A152767
Score: 28.5452
Type of gen. func.: lgdogf

$$-\frac{2 (5 + 7 x)}{(7 x + 1) (x - 1)}$$

Sequence: A152767
Score: 5.7527
Type of gen. func.: ogf

$$-(14528 f(x) - 112347) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 21 x^2 - f(x) + 3 x)$$

Sequence: A152767
Score: 6.21496
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 3, a(2) = 30\}$$

Sequence: A152773
Score: 12.3572
Type of gen. func.: ogf

$$-\frac{3 x (4 x + 1)}{(x - 1)^{3}}$$

Sequence: A152773
Score: 14.9316
Type of gen. func.: lgdogf

$$-\frac{-8 x - 7}{-4 x^{2} + 3 x + 1}$$

Sequence: A152773
Score: 32.0717
Type of gen. func.: lgdogf

$$-\frac{7 + 8 x}{(4 x + 1) (x - 1)}$$

Sequence: A152773
Score: 6.17862
Type of gen. func.: ogf

$$-(175 f(x) - 837) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 12 x^{2} - f(x) + 3 x)$$

Sequence: A152773
Score: 6.39928
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 3, a(2) = 21\}$$

Sequence: A152775
Score: 3.036

Type of gen. func.: ogf

$$-(333333666667 f(x) + 74000111000000)$$

$$(1000 f(x) x^3 - f(x) x^2 - 1000 f(x) x + f(x) - 111)$$

Sequence: A152775
Score: 9.31746
Type of gen. func.: lgdogf

$$-\frac{2 (1500 x^2 - x - 500)}{(x - 1) (1000 x - 1) (x + 1)}$$

Sequence: A152776
Score: 14.5068
Type of gen. func.: ogf

$$\frac{7}{(x - 1) (8 x - 1) (x + 1)}$$

Sequence: A152776
Score: 16.1944
Type of gen. func.: lgdogf

$$-\frac{2 (12 x^2 - x - 4)}{(x - 1) (8 x - 1) (x + 1)}$$

Sequence: A152776
Score: 5.17197
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) - a(n + 1) + 8 a(n), a(0) = 7, a(1) = 56, a(2) = 455\}$$

Sequence: A152776
Score: 5.40706
Type of gen. func.: ogf

$$-(4161 f(x) + 58688) (8 f(x) x^3 - f(x) x^2 - 8 f(x) x + f(x) - 7)$$

Sequence: A152776
Score: 9.15042
Type of gen. func.: lgdogf

$$-\frac{-24 x^2 + 2 x + 8}{-8 x^3 + x^2 + 8 x - 1}$$

Sequence: A152777
Score: 12.0417
Type of gen. func.: ogf

$$-\frac{7 x (4 x + 1)}{(x - 1)^3}$$

Sequence: A152777
Score: 14.5504
Type of gen. func.: lgdogf

$$-\frac{-8 x - 7}{-4 x^2 + 3 x + 1}$$

Sequence: A152777
Score: 29.8915
Type of gen. func.: lgdogf

$$-\frac{7 + 8 x}{(4 x + 1) (x - 1)}$$

Sequence: A152777
Score: 6.07319
Type of gen. func.: ogf

$$-(25 f(x) - 279) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 28 x^2 - f(x) + 7 x)$$

Sequence: A152777
Score: 6.23587
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 7, a(2) = 49\}$$

Sequence: A152811
Score: 12.6333
Type of gen. func.: lgdogf

$$-\frac{-2 x^{2} + 2 x + 6}{-2 x^{3} + 5 x^{2} - 2 x - 1}$$

Sequence: A152811
Score: 13.2546
Type of gen. func.: ogf

$$\frac{2 (2 x^{2} - 3 x - 1)}{(x - 1)^{3}}$$

Sequence: A152811
Score: 24.0343
Type of gen. func.: lgdogf

$$-\frac{2 (x^{2} - x - 3)}{(x - 1) (2 x^{2} - 3 x - 1)}$$

Sequence: A152811
Score: 6.97009
Type of gen. func.: ogf

$$(246 f(x) - 3859) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x - 4 x^{2} - f(x) + 6 x + 2)$$

Sequence: A152811

Score: 7.09239
Type of gen. func.: ogf

$$\{a(n+3) - 3 a(n+2) + 3 a(n+1) - a(n), a(0) = 2, a(1) = 12, a(2) = 26\}$$

Sequence: A152813
Score: 12.3672
Type of gen. func.: lgdogf

$$- \frac{-5 x^2 + 2 x + 15}{-5 x^3 + 11 x^2 - 3 x - 3}$$

Sequence: A152813
Score: 13.3809
Type of gen. func.: ogf

$$\frac{5 x^2 - 6 x - 3}{(x - 1)^3}$$

Sequence: A152813
Score: 22.2453
Type of gen. func.: lgdogf

$$- \frac{5 x^2 - 2 x - 15}{(x - 1) (5 x^2 - 6 x - 3)}$$

Sequence: A152813
Score: 7.09766
Type of gen. func.: ogf

$$(81 f(x) - 2105) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 5 x^2 - f(x) + 6 x + 3)$$

Sequence: A152813
Score: 7.15993
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3, a(1) = 15, a(2) = 31\}$

Sequence: A152822
Score: 11.0163
Type of gen. func.: ogf

$$-(2 f(x) + 5) (f(x) x^4 + x^3 - f(x) + x + 1)$$

Sequence: A152822
Score: 17.3692
Type of gen. func.: lgdogf

$$- \frac{x^6 + 3 x^4 + 4 x^3 + 3 x^2 + 1}{(x - 1) (x + 1) (x^2 + 1) (x^3 + x + 1)}$$

Sequence: A152822
Score: 17.7610
Type of gen. func.: ogf

$$- \frac{x^3 + x + 1}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A152829
Score: 4.75631
Type of gen. func.: ogf

$\{-a(n + 5) + 2 a(n + 2), a(0) = 3, a(1) = 6, a(2) = 7, a(3) = 12, a(4) = 13\}$

Sequence: A152829
Score: 7.48323
Type of gen. func.: lgdogf

$$\frac{2 (x^6 - 7 x^4 - 14 x^3 - 18 x^2 - 7 x - 3)}{(2 x^3 - 1) (x^4 + 6 x^3 + 7 x^2 + 6 x + 3)}$$

Sequence: A152829
Score: 8.04914
Type of gen. func.: ogf

$$-\frac{x^4 + 6x^3 + 7x^2 + 6x + 3}{2x^3 - 1}$$

Sequence: A152829
Score: 8.63278
Type of gen. func.: ogf

$$(59006 f(x) + 160157) (2 f(x) x^3 + x^4 + 6 x^3 + 7 x^2 - f(x) + 6 x + 3)$$

Sequence: A152832
Score: 12.4728
Type of gen. func.: lgdogf

$$-\frac{2x^3 - 8x^2 + 5x - 3}{2x^4 - 5x^3 + 5x - 2}$$

Sequence: A152832
Score: 14.7219
Type of gen. func.: ogf

$$-\frac{(2x - 1)(-2 + x)}{(x + 1)(x - 1)^2}$$

Sequence: A152832
Score: 19.0153
Type of gen. func.: lgdogf

$$-\frac{2x^3 - 8x^2 + 5x - 3}{(x - 1)(-2 + x)(2x - 1)(x + 1)}$$

Sequence: A152832
Score: 7.87752
Type of gen. func.: ogf

$$(91 f(x) + 171) (f(x) x^3 - f(x) x^2 - f(x) x + 2 x^2 + f(x) - 5 x + 2)$$

Sequence: A152832
Score: 8.01820
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = -2, a(1) = 3, a(2) = -1\}$$

Sequence: A152833
Score: 12.3019
Type of gen. func.: lgdogf

$$- \frac{3 x^3 - 11 x^2 + 8 x - 4}{3 x^4 - 7 x^3 + 7 x - 3}$$

Sequence: A152833
Score: 14.7219
Type of gen. func.: ogf

$$- \frac{3 x^2 - 7 x + 3}{(x + 1) (x - 1)^2}$$

Sequence: A152833
Score: 18.7091
Type of gen. func.: lgdogf

$$- \frac{3 x^3 - 11 x^2 + 8 x - 4}{(x - 1) (x + 1) (3 x^2 - 7 x + 3)}$$

Sequence: A152833
Score: 7.61049
Type of gen. func.: ogf

$$-(95 f(x) + 221) (f(x) x^3 - f(x) x^2 - f(x) x + 3 x^2 + f(x) - 7 x + 3)$$

Sequence: A152833
Score: 8.01820
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = -3, a(1) = 4, a(2) = -2\}$$

Sequence: A152835
Score: 10.0560
Type of gen. func.: lgdogf

$$-\frac{-22 x^3 + 68 x^2 - 65 x + 23}{-22 x^4 + 45 x^3 - 45 x + 22}$$

Sequence: A152835
Score: 12.5700
Type of gen. func.: ogf

$$-\frac{22 x^2 - 45 x + 22}{(x + 1) (x - 1)^2}$$

Sequence: A152835
Score: 16.3876
Type of gen. func.: lgdogf

$$-\frac{22 x^3 - 68 x^2 + 65 x - 23}{(x - 1) (x + 1) (22 x^2 - 45 x + 22)}$$

Sequence: A152835
Score: 6.43584
Type of gen. func.: ogf

$$-(8911 f(x) + 96031) (f(x) x^3 - f(x) x^2 - f(x) x + 22 x^2 + f(x) - 45 x + 22)$$

Sequence: A152835
Score: 6.99549
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = -22, a(1) = 23, a(2) = -21\}$$

Sequence: A152855
Score: 14.7375
Type of gen. func.: lgdogf

$$- \frac{4 x^7 + 8 x^5 + 5 x^4 + 6 x^2 + 2}{(x - 1) (2 x^3 + 2 x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A152855
Score: 16.2414
Type of gen. func.: ogf

$$- \frac{2 x^3 + 2 x + 1}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A152856
Score: 6.56157
Type of gen. func.: lgdogf

$$- \frac{x (4 x^7 + 6 x^6 + 12 x^5 + 20 x^3 + 16 x^2 + 9 x + 8)}{(x - 1) (4 x^4 + 3 x^3 + 4 x^2 + 4) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A152856
Score: 8.98452
Type of gen. func.: ogf

4   3   2

$$-\frac{4x + 3x + 4x + 4}{(x-1)(x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A152857
Score: 11.5792
Type of gen. func.: lgdogf

$$-\frac{12x^5 + 10x^4 + 3}{(2+3x)(x-1)(x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A152857
Score: 9.53551
Type of gen. func.: ogf

$$-\frac{x(2+3x)}{(x-1)(x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A152881
Score: 10.7123
Type of gen. func.: lgdogf

$$-\frac{-10x^2 - 10x - 5}{-2x^3 - 3x^2 + x + 1}$$

Sequence: A152881
Score: 10.8771
Type of gen. func.: ogf

$$-\frac{x(1+2x)}{(x^2 + x - 1)^3}$$

Sequence: A152881
Score: 20.4886
Type of gen. func.: lgdogf

$$-\frac{5\,(2\,x^{2} + 2\,x + 1)}{(1 + 2\,x)\,(x^{2} + x - 1)}$$

Sequence: A152881
Score: 3.57076
Type of gen. func.: ogf

$$\{(-n - 3)\,a(n + 4) + (3 - n)\,a(n + 3) + (13 + 3\,n)\,a(n + 2) + (10 + 2\,n)\,a(n + 1),\ a(0) = 0,\ a(1) = 1,\ a(2) = 5,\ a(3) = 15\}$$

Sequence: A152885
Score: 12.7999
Type of gen. func.: lgdegf]

$$-\frac{-5\,x - 1}{-x^{2} + 1}$$

Sequence: A152885
Score: 27.8603
Type of gen. func.: lgdegf]

$$-\frac{5\,x + 1}{(x - 1)\,(x + 1)}$$

Sequence: A152885
Score: 3.39275
Type of gen. func.: ogf

$$\{(n^{3} + 9\,n^{2} + 26\,n + 24)\,a(n + 1) + (n + 3)\,a(n + 2) + (-1 - n)\,a(n + 3),\ a(0) = 0,\ a(1) = 0,\ a(2) = 2\}$$

Sequence: A152885
Score: 4.55831
Type of gen. func.: egf]

2

$(103 f(x) + 200 f(x) + 52)$

$$(f(x) x^5 - f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 + f(x) x + x^2 - f(x))$$

Sequence: A152885
Score: 9.88065
Type of gen. func.: egf]

$$-\frac{x^2}{(x + 1)^2 (x - 1)^3}$$

Sequence: A152886
Score: 12.6638
Type of gen. func.: lgdegf]

$$-\frac{-5 x - 1}{-x^2 + 1}$$

Sequence: A152886
Score: 27.7105
Type of gen. func.: lgdegf]

$$-\frac{5 x + 1}{(x - 1) (x + 1)}$$

Sequence: A152886
Score: 3.29708
Type of gen. func.: ogf

$\{(n^3 + 8 n^2 + 21 n + 18) a(n + 1) + (n + 3) a(n + 2) - n a(n + 3), a(0) = 0,$

$a(1) = 0, a(2) = 0, a(3) = 6\}$

Sequence: A152886
Score: 6.10283
Type of gen. func.: egf]

5 4 3 2 3

$$-f(x) x + f(x) x + 2 f(x) x - 2 f(x) x - x - f(x) x + f(x)$$

Sequence: A152886
Score: 9.13452
Type of gen. func.: egf]

$$-\frac{x^3}{(x + 1)^2 (x - 1)^3}$$

Sequence: A152887
Score: 12.9361
Type of gen. func.: lgdegf]

$$-\frac{-5 x - 1}{-x^2 + 1}$$

Sequence: A152887
Score: 28.0101
Type of gen. func.: lgdegf]

$$-\frac{5 x + 1}{(x - 1) (x + 1)}$$

Sequence: A152887
Score: 3.38803
Type of gen. func.: ogf

$$\{(n^3 + 10 n^2 + 31 n + 30) a(n + 1) + (n + 3) a(n + 2) + (-n - 2) a(n + 3),$$

$$a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A152887
Score: 9.98577
Type of gen. func.: egf]

$$-\frac{x}{(x + 1)^2 (x - 1)^3}$$

Sequence: A152889
Score: 14.3041
Type of gen. func.: lgdogf

$$-\frac{x\,(2x^2+x+2)\,(6x^3-3x^2-2x+4)}{(x-1)\,(4x^2+1)\,(x^4+x^3+x^2+x+1)}$$

Sequence: A152889
Score: 15.5132
Type of gen. func.: ogf

$$-\frac{4x^2+1}{(x-1)\,(x^4+x^3+x^2+x+1)}$$

Sequence: A152889
Score: 9.56293
Type of gen. func.: lgdogf

$$-\frac{-12x^6-5x^4-8x}{-4x^7-x^5+4x^2+1}$$

Sequence: A152890
Score: 5.52910
Type of gen. func.: lgdogf

$$-\frac{x^8+12x^6+4x^5+20x^4+4x^3+8x+1}{(x-1)\,(x^4+x^3+x^2+x+1)\,(x^4+4x^2+x+4)}$$

Sequence: A152890
Score: 7.17102
Type of gen. func.: ogf

4   2

$$-\frac{x + 4 x + x + 4}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A152891
Score: 13.5340
Type of gen. func.: lgdogf

$$-\frac{3 x^3 - 15 x^2 + 23 x - 9}{(-2 + x) (x - 1) (x^2 - 3 x + 1)}$$

Sequence: A152891
Score: 4.85702
Type of gen. func.: ogf

$-(489 f(x) + 250)$

$$(f(x) x^4 - 5 f(x) x^3 + 8 f(x) x^2 - 5 f(x) x + x^2 + f(x) - 2 x)$$

Sequence: A152891
Score: 7.78295
Type of gen. func.: lgdogf

$$-\frac{3 x^3 - 15 x^2 + 23 x - 9}{x^4 - 6 x^3 + 12 x^2 - 9 x + 2}$$

Sequence: A152891
Score: 9.93823
Type of gen. func.: ogf

$$-\frac{x (-2 + x)}{(x^2 - 3 x + 1) (x - 1)^2}$$

Sequence: A152892
Score: 15.0156
Type of gen. func.: ogf

$$-\frac{x\,(x^3+x+3)}{(x-1)\,(x^4+x^3+x^2+x+1)}$$

Sequence: A152892
Score: 15.4393
Type of gen. func.: lgdogf

$$-\frac{2\,x^7+4\,x^5+15\,x^4+3\,x^2+1}{(x-1)\,(x^3+x+3)\,(x^4+x^3+x^2+x+1)}$$

Sequence: A152893
Score: 5.53271
Type of gen. func.: lgdogf

$$-\frac{4\,x^8+12\,x^5+15\,x^4+16\,x^3+3}{(x-1)\,(x^4+x^3+x^2+x+1)\,(4\,x^4+3\,x+3)}$$

Sequence: A152893
Score: 6.62649
Type of gen. func.: ogf

$$-\frac{4\,x^4+3\,x+3}{(x-1)\,(x^4+x^3+x^2+x+1)}$$

Sequence: A152894
Score: 4.24057
Type of gen. func.: ogf

$$-(455\,f(x)-7296)\,(f(x)\,x^5+4\,x^3+x^2-f(x))$$

Sequence: A152894
Score: 7.26955
Type of gen. func.: ogf

$$-\frac{x^2 (4x+1)}{(x-1)(x^4+x^3+x^2+x+1)}$$

Sequence: A152894
Score: 9.74453
Type of gen. func.: lgdogf

$$-\frac{16x^5+5x^4+4}{(x-1)(4x+1)(x^4+x^3+x^2+x+1)}$$

Sequence: A152895
Score: 13.6640
Type of gen. func.: lgdogf

$$-\frac{4x^3-20x^2+30x-11}{(-2+x)(x-1)(x^2-3x+1)}$$

Sequence: A152895
Score: 7.92571
Type of gen. func.: lgdogf

$$-\frac{4x^3-20x^2+30x-11}{x^4-6x^3+12x^2-9x+2}$$

Sequence: A152895
Score: 8.87680
Type of gen. func.: ogf

$$\frac{x(-2+x)}{(x^2-3x+1)(x-1)^3}$$

Sequence: A152896
Score: 7.60120
Type of gen. func.: ogf

$$-\frac{x (x^2 - 3 x + 3)}{(x^3 - 3 x^2 + 4 x - 1) (x - 1)^2}$$

Sequence: A152896
Score: 8.39519
Type of gen. func.: lgdogf

$$-\frac{3 x^5 - 19 x^4 + 52 x^3 - 74 x^2 + 55 x - 15}{(x - 1) (x^2 - 3 x + 3) (x^3 - 3 x^2 + 4 x - 1)}$$

Sequence: A152897
Score: 6.85761
Type of gen. func.: ogf

$$\frac{x (x^2 - 3 x + 3)}{(x^3 - 3 x^2 + 4 x - 1) (x - 1)^3}$$

Sequence: A152897
Score: 8.39519
Type of gen. func.: lgdogf

$$-\frac{4 x^5 - 25 x^4 + 68 x^3 - 96 x^2 + 70 x - 18}{(x - 1) (x^2 - 3 x + 3) (x^3 - 3 x^2 + 4 x - 1)}$$

Sequence: A152898
Score: 10.1173
Type of gen. func.: lgdogf

$$-\frac{16 x^5 + 5 x^4 + 4}{4 x^6 + x^5 - 4 x - 1}$$

Sequence: A152898
Score: 17.0267
Type of gen. func.: ogf

$$-\frac{4x+1}{(x-1)(x^4+x^3+x^2+x+1)}$$

Sequence: A152898
Score: 19.8506
Type of gen. func.: lgdogf

$$-\frac{16x^5+5x^4+4}{(x-1)(4x+1)(x^4+x^3+x^2+x+1)}$$

Sequence: A152917
Score: 15.7037
Type of gen. func.: revegf]

$$(-1-n)\,a(n+2)-a(n+1),\ a(0)=0,\ a(1)=1$$

Sequence: A152919
Score: 15.0695
Type of gen. func.: lgdogf

$$-\frac{2(2x^4-2x^3-2x^2-3x-1)}{(x-1)(x+1)(x^5-x^4-x-1)}$$

Sequence: A152919
Score: 9.94114
Type of gen. func.: ogf

$$\frac{x^5-x^4-x-1}{(x+1)^2(x-1)^3}$$

Sequence: A152927
Score: 2.07233
Type of gen. func.: ogf

$$(1822 f(x) + 15) (f(x) x^2 + 16 f(x) x - f(x) + x + 7)$$

Sequence: A152927
Score: 5.21469
Type of gen. func.: lgdogf

$$-\frac{x^2 + 14 x + 113}{(x + 7) (x^2 + 16 x - 1)}$$

Sequence: A152928
Score: 10.5758
Type of gen. func.: ogf

$$-\frac{18 x^2 - 139 x + 113}{(x - 1) (x^2 - 7 x + 1)}$$

Sequence: A152928
Score: 4.98575
Type of gen. func.: ogf

$$-(10039108347 f(x) + 26968916545)$$

$$(f(x) x^3 - 8 f(x) x^2 + 8 f(x) x + 18 x^2 - f(x) - 139 x + 113)$$

Sequence: A152928
Score: 5.86559
Type of gen. func.: ogf

$\{-a(n + 3) + 8 a(n + 2) - 8 a(n + 1) + a(n), a(0) = 113, a(1) = 765,$

$a(2) = 5234\}$

Sequence: A152929
Score: 11.3314
Type of gen. func.: lgdogf

$$-\frac{-63 x^2 - 226 x - 176}{-63 x^3 - 176 x^2 - 50 x + 113}$$

Sequence: A152929
Score: 17.7053
Type of gen. func.: ogf

$$-\frac{63 x + 113}{x^2 + x - 1}$$

Sequence: A152929
Score: 8.76137
Type of gen. func.: ogf

$$-(201 f(x) - 7225) (f(x) x^2 + f(x) x - f(x) + 63 x + 113)$$

Sequence: A152929
Score: 9.88201
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 113, a(1) = 176\}$$

Sequence: A152930
Score: 6.18821
Type of gen. func.: lgdogf

$$-\frac{(x + 22) (x - 8)}{(x + 7) (x^2 - 25 x + 1)}$$

Sequence: A152930
Score: 7.28541
Type of gen. func.: ogf

$$(2193 f(x) + 137) (f(x) x^2 - 25 f(x) x + f(x) - x - 7)$$

Sequence: A152932
Score: 4.8129
Type of gen. func.: ogf

$$(457405058633 f(x) + 2244347620316421)$$

$$(f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + 10530 x^2 + f(x) - 14895 x - 32733)$$

Sequence: A152933
Score: 5.12209
Type of gen. func.: revogf

$$\frac{-18 - 67 x + (4525 x^2 + 2376 x + 324)^{1/2}}{18 (x - 1)}$$

Sequence: A152933
Score: 6.60480
Type of gen. func.: lgdogf

$$- \frac{(3 x + 7) (3 x - 19)}{(-2 + x) (9 x^2 + 67 x - 1)}$$

Sequence: A152933
Score: 6.61658
Type of gen. func.: ogf

$$-(8947 f(x) - 1845) (9 f(x) x^2 + 67 f(x) x - f(x) - 9 x + 18)$$

Sequence: A152934
Score: 5.0278
Type of gen. func.: ogf

$$-(264384477531 f(x) + 1786115286476)$$

$$(f(x) x^3 - 8 f(x) x^2 + 8 f(x) x + 45 x^2 - f(x) - 350 x + 289)$$

Sequence: A152939
Score: 3.66483
Type of gen. func.: ogf

$$(1782709950174854133733 f(x) - 1841446847473253445715198) (f(x) x^4 + 3 f(x) x^3 - 6 f(x) x^2 + 4977 x^3 - 3 f(x) x + 17480 x^2 + f(x) - 22190 x - 29153)$$

Sequence: A152947
Score: 13.5364
Type of gen. func.: ogf

$$-\frac{2 x^2 - 2 x + 1}{(x - 1)^3}$$

Sequence: A152947
Score: 13.7620
Type of gen. func.: lgdogf

$$-\frac{-2 x^2 - 1}{-2 x^3 + 4 x^2 - 3 x + 1}$$

Sequence: A152947
Score: 26.9921
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 1}{(x - 1) (2 x^2 - 2 x + 1)}$$

Sequence: A152947
Score: 7.37249
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A152947
Score: 7.43892
Type of gen. func.: ogf

$$(f(x) - 1) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x) - 2 x + 1)$$

Sequence: A152948
Score: 12.9019
Type of gen. func.: lgdogf

$$- \frac{-3 x^2 + 2 x - 2}{-3 x^3 + 7 x^2 - 6 x + 2}$$

Sequence: A152948
Score: 13.5364
Type of gen. func.: ogf

$$- \frac{3 x^2 - 4 x + 2}{(x - 1)^3}$$

Sequence: A152948
Score: 23.8166
Type of gen. func.: lgdogf

$$- \frac{3 x^2 - 2 x + 2}{(x - 1) (3 x^2 - 4 x + 2)}$$

Sequence: A152948
Score: 7.18017
Type of gen. func.: ogf

$$-(f(x) + 3) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) - 4 x + 2)$$

Sequence: A152948
Score: 7.37249
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2, a(1) = 2, a(2) = 3\}$$

Sequence: A152949
Score: 12.7034
Type of gen. func.: lgdogf

$$- \frac{-4 x^2 + 4 x - 3}{-4 x^3 + 10 x^2 - 9 x + 3}$$

Sequence: A152949
Score: 13.5364
Type of gen. func.: ogf

$$- \frac{4 x^2 - 6 x + 3}{(x - 1)^3}$$

Sequence: A152949
Score: 23.8166
Type of gen. func.: lgdogf

$$- \frac{4 x^2 - 4 x + 3}{(x - 1) (4 x^2 - 6 x + 3)}$$

Sequence: A152949
Score: 7.18017
Type of gen. func.: ogf

$$-(3 f(x) + 7) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) - 6 x + 3)$$

Sequence: A152949
Score: 7.37249
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 3,\ a(1) = 3,\ a(2) = 4\}$$

Sequence: A152950
Score: 13.0888
Type of gen. func.: lgdogf

$$-\frac{-3\,x^2 + 4\,x - 4}{-3\,x^3 + 8\,x^2 - 8\,x + 3}$$

Sequence: A152950
Score: 13.7326
Type of gen. func.: ogf

$$-\frac{3\,x^2 - 5\,x + 3}{(x - 1)^3}$$

Sequence: A152950
Score: 24.1685
Type of gen. func.: lgdogf

$$-\frac{3\,x^2 - 4\,x + 4}{(x - 1)\,(3\,x^2 - 5\,x + 3)}$$

Sequence: A152950
Score: 7.28423
Type of gen. func.: ogf

$$-(f(x) - 3)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 3\,x^2 - f(x) - 5\,x + 3)$$

Sequence: A152950
Score: 7.47934
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 3,\ a(1) = 4,\ a(2) = 6\}$$

Sequence: A152965
Score: 12.6774
Type of gen. func.: ogf

$$-\frac{2\,x\,(9\,x+1)}{(x-1)^{3}}$$

Sequence: A152965
Score: 14.7057
Type of gen. func.: lgdogf

$$-\frac{-18\,x-12}{-9\,x^{2}+8\,x+1}$$

Sequence: A152965
Score: 30.1728
Type of gen. func.: lgdogf

$$-\frac{6\,(2+3\,x)}{(9\,x+1)\,(x-1)}$$

Sequence: A152965
Score: 6.17888
Type of gen. func.: ogf

$$-(2450\,f(x) - 15873)\,(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x + 18\,x^{2} - f(x) + 2\,x)$$

Sequence: A152965
Score: 6.56506
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 0,\ a(1) = 2,\ a(2) = 24\}$$

Sequence: A152966
Score: 6.83920
Type of gen. func.: ogf

$$\frac{2 x (9 x^8 + 8 x^7 + 7 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1)}{(x - 1) (10 x^9 - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A152994
Score: 12.1044
Type of gen. func.: ogf

$$- \frac{9 x (1 + 3 x)}{(x - 1)^3}$$

Sequence: A152994
Score: 14.6261
Type of gen. func.: lgdogf

$$- \frac{-6 x - 6}{-3 x^2 + 2 x + 1}$$

Sequence: A152994
Score: 31.4155
Type of gen. func.: lgdogf

$$- \frac{6 (x + 1)}{(1 + 3 x) (x - 1)}$$

Sequence: A152994
Score: 6.26835
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 9, a(2) = 54\}$$

Sequence: A152994
Score: 7.0483
Type of gen. func.: ogf

$$-(1072 f(x) - 12285) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 27 x^2 - f(x) + 9 x)$$

Sequence: A152995
Score: 12.6133
Type of gen. func.: ogf

$$-\frac{2 x (8 x + 1)}{(x - 1)^3}$$

Sequence: A152995
Score: 14.6315
Type of gen. func.: lgdogf

$$-\frac{-16 x - 11}{-8 x^2 + 7 x + 1}$$

Sequence: A152995
Score: 30.0180
Type of gen. func.: lgdogf

$$-\frac{11 + 16 x}{(8 x + 1) (x - 1)}$$

Sequence: A152995
Score: 6.09645
Type of gen. func.: ogf

$$-(11421 f(x) - 66430) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 16 x^2 - f(x) + 2 x)$$

Sequence: A152995
Score: 6.53190
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 2, a(2) = 22\}$$

Sequence: A152996
Score: 12.2540
Type of gen. func.: ogf

$$-\frac{9 x (1 + 2 x)}{(x - 1)^3}$$

Sequence: A152996
Score: 14.8069
Type of gen. func.: lgdogf

$$-\frac{-4 x - 5}{-2 x^2 + x + 1}$$

Sequence: A152996
Score: 31.8064
Type of gen. func.: lgdogf

$$-\frac{4 x + 5}{(1 + 2 x) (x - 1)}$$

Sequence: A152996
Score: 6.28965
Type of gen. func.: ogf

$$-(3 f(x) - 26) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 18 x^2 - f(x) + 9 x)$$

Sequence: A152996
Score: 6.34581
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 9, a(2) = 45\}$$

Sequence: A152997
Score: 11.9382
Type of gen. func.: ogf

$$-\frac{2x(1+10x)}{(x-1)^3}$$

Sequence: A152997
Score: 13.5767
Type of gen. func.: lgdogf

$$-\frac{-20x-13}{-10x^2+9x+1}$$

Sequence: A152997
Score: 27.2569
Type of gen. func.: lgdogf

$$-\frac{13+20x}{(1+10x)(x-1)}$$

Sequence: A152997
Score: 6.18226
Type of gen. func.: ogf

$$\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0)=0, a(1)=2, a(2)=26\}$$

Sequence: A152997
Score: 7.7744
Type of gen. func.: ogf

$$-(24805 f(x)-177156)(f(x)x^3-3f(x)x^2+3f(x)x+20x^2-f(x)+2x)$$

Sequence: A153010
Score: 11.6099
Type of gen. func.: ogf

$$\frac{x(2x^3-x^2-x+1)}{(2x-1)(x-1)}$$

Sequence: A153010
Score: 6.03713
Type of gen. func.: ogf

$\{-a(n + 5) + 3 a(n + 4) - 2 a(n + 3), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 3, a(4) = 7\}$

Sequence: A153010
Score: 6.73787
Type of gen. func.: ogf

$$-(172 f(x) + 79) (-2 x^4 + 2 f(x) x^2 + x^3 - 3 f(x) x + x^2 + f(x) - x)$$

Sequence: A153010
Score: 7.70042
Type of gen. func.: lgdogf

$$-\frac{4 x^4 - 12 x^3 + 11 x^2 - 6 x + 2}{-4 x^5 + 8 x^4 - 3 x^3 - 4 x^2 + 4 x - 1}$$

Sequence: A153026
Score: 12.8327
Type of gen. func.: lgdogf

$$-\frac{2 x^4 - 9 x^3 + 11 x^2 - 33 x - 19}{(x - 1) (x + 1) (x^3 - 4 x^2 + 5 x - 8)}$$

Sequence: A153026
Score: 7.89064
Type of gen. func.: lgdogf

$$-\frac{2 x^4 - 9 x^3 + 11 x^2 - 33 x - 19}{x^5 - 4 x^4 + 4 x^3 - 4 x^2 - 5 x + 8}$$

Sequence: A153026
Score: 8.77722
Type of gen. func.: ogf

$$-\frac{x\,(x^3 - 4\,x^2 + 5\,x - 8)}{(x + 1)\,(x - 1)^4}$$

Sequence: A153037
Score: 11.9968
Type of gen. func.: lgdogf

$$-\frac{-9\,x^2 + 38\,x - 41}{-9\,x^3 + 37\,x^2 - 51\,x + 23}$$

Sequence: A153037
Score: 13.1394
Type of gen. func.: ogf

$$-\frac{9\,x^2 - 28\,x + 23}{(x - 1)^3}$$

Sequence: A153037
Score: 7.0151
Type of gen. func.: ogf

$$(281\,f(x) - 5583)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 9\,x^2 - f(x) - 28\,x + 23)$$

Sequence: A153037
Score: 7.19810
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 23,\ a(1) = 41,\ a(2) = 63\}$$

Sequence: A153037
Score: 8.73529

Type of gen. func.: lgdogf

$$\frac{432 x^{9} - 1408 x^{8} + 1536 x^{7} - 560 x^{6} + 9 x^{2} - 38 x + 41}{(x - 1) (72 x^{9} - 152 x^{8} + 80 x^{7} - 9 x^{2} + 28 x - 23)}$$

Sequence: A153056
Score: 10.0624
Type of gen. func.: ogf

$$- \frac{2 x^{3} - 7 x^{2} + 5 x - 2}{(x - 1)^{4}}$$

Sequence: A153056
Score: 16.8836
Type of gen. func.: lgdogf

$$- \frac{2 x^{3} - 8 x^{2} + x - 3}{(x - 1) (2 x^{3} - 7 x^{2} + 5 x - 2)}$$

Sequence: A153056
Score: 3.93303
Type of gen. func.: ogf

$$\{(505 n^{2} + 2969 n + 3918) a(n + 1) + (-866 n^{2} - 3922 n - 3750) a(n + 2)$$

$$+ (361 n^{2} + 1385 n + 906) a(n + 3), a(0) = 2, a(1) = 3, a(2) = 7\}$$

Sequence: A153056
Score: 5.41823
Type of gen. func.: ogf

$(2272 f(x) + 6505)$

$$(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} + 2 x^{3} - 4 f(x) x - 7 x^{2} + f(x) + 5 x - 2)$$

Sequence: A153056
Score: 9.56552
Type of gen. func.: lgdogf

$$-\frac{-2 x^{3} + 8 x^{2} - x + 3}{-2 x^{4} + 9 x^{3} - 12 x^{2} + 7 x - 2}$$

Sequence: A153057
Score: 15.5054
Type of gen. func.: lgdogf

$$-\frac{3 x^{3} - 11 x^{2} + 4 x - 4}{(x - 1) (3 x^{3} - 10 x^{2} + 8 x - 3)}$$

Sequence: A153057
Score: 3.87404
Type of gen. func.: ogf

$$\{(1081 n^{2} + 6395 n + 8466) a(n + 1) + (-1946 n^{2} - 9118 n - 9180) a(n + 2)$$
$$+ (865 n^{2} + 3371 n + 2328) a(n + 3), a(0) = 3, a(1) = 4, a(2) = 8\}$$

Sequence: A153057
Score: 5.23518
Type of gen. func.: ogf

$$-(2336 f(x) + 9389) ($$
$$f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} + 3 x^{3} - 4 f(x) x - 10 x^{2} + f(x) + 8 x - 3)$$

Sequence: A153057
Score: 9.22389
Type of gen. func.: lgdogf

$$-\frac{-3 x^{3} + 11 x^{2} - 4 x + 4}{-3 x^{4} + 13 x^{3} - 18 x^{2} + 11 x - 3}$$

Sequence: A153057
Score: 9.93342
Type of gen. func.: ogf

$$-\frac{3x^3 - 10x^2 + 8x - 3}{(x-1)^4}$$

Sequence: A153058
Score: 15.1952
Type of gen. func.: lgdogf

$$-\frac{4x^3 - 14x^2 + 7x - 5}{(x-1)(4x^3 - 13x^2 + 11x - 4)}$$

Sequence: A153058
Score: 3.77955
Type of gen. func.: ogf

$$\{(1873 n^2 + 11117 n + 14742) a(n+1) + (-3458 n^2 - 16474 n - 16986) a(n+2) + (1585 n^2 + 6221 n + 4398) a(n+3), a(0) = 4, a(1) = 5, a(2) = 9\}$$

Sequence: A153058
Score: 5.45639
Type of gen. func.: ogf

$$(96 f(x) + 505) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 4 x^3 - 4 f(x) x - 13 x^2 + f(x) + 11 x - 4)$$

Sequence: A153058
Score: 9.22389
Type of gen. func.: lgdogf

$$3 \qquad 2$$

$$-\frac{-4x + 14x - 7x + 5}{-4x^4 + 17x^3 - 24x^2 + 15x - 4}$$

Sequence: A153058
Score: 9.80768
Type of gen. func.: ogf

$$-\frac{4x^3 - 13x^2 + 11x - 4}{(x - 1)^4}$$

Sequence: A153079
Score: 13.6794
Type of gen. func.: ogf

$$-\frac{3(9x - 1)}{(13x - 1)(x - 1)}$$

Sequence: A153079
Score: 13.7198
Type of gen. func.: revogf

$$-\frac{-3 - 14x + (144x^2 - 24x + 9)^{1/2}}{2(27 + 13x)}$$

Sequence: A153079
Score: 16.1208
Type of gen. func.: lgdogf

$$-\frac{117x^2 - 26x + 5}{(x - 1)(13x - 1)(9x - 1)}$$

Sequence: A153079
Score: 6.98521
Type of gen. func.: ogf

2

$$-(44 f(x) - 57) (13 f(x) x - 14 f(x) x + f(x) + 27 x - 3)$$

Sequence: A153079
Score: 7.72482
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1) + 13 a(n), a(0) = 3, a(1) = 15\}$$

Sequence: A153079
Score: 9.11958
Type of gen. func.: lgdogf

$$-\frac{-117 x^2 + 26 x - 5}{-117 x^3 + 139 x^2 - 23 x + 1}$$

Sequence: A153080
Score: 10.0926
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 2, a(1) = 15\}$$

Sequence: A153080
Score: 16.4252
Type of gen. func.: lgdogf

$$-\frac{-11 x - 15}{-11 x^2 + 9 x + 2}$$

Sequence: A153080
Score: 18.2106
Type of gen. func.: ogf

$$\frac{11 x + 2}{(x - 1)^2}$$

Sequence: A153080
Score: 27.3910
Type of gen. func.: revogf

$$-\frac{-1 - x + (13 x + 1)^{1/2}}{-11 + x}$$

Sequence: A153080
Score: 32.8692
Type of gen. func.: lgdogf

$$-\frac{15 + 11 x}{(11 x + 2) (x - 1)}$$

Sequence: A153080
Score: 9.41221
Type of gen. func.: ogf

$$(26 f(x) + 173) (f(x) x^2 - 2 f(x) x + f(x) - 11 x - 2)$$

Sequence: A153110
Score: 11.7638
Type of gen. func.: ogf

$$-\frac{(1 + 2 x)^3}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A153110
Score: 14.3833
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 4 x^3 + 3 x^2 + 4 x + 5}{(x - 1) (1 + 2 x) (x + 1) (x^2 + x + 1)}$$

Sequence: A153110
Score: 6.64085

Type of gen. func.: ogf

$$(1039 f(x) + 72) (f(x) x^4 + f(x) x^3 + 8 x^3 - f(x) x + 12 x^2 - f(x) + 6 x + 1)$$

Sequence: A153111
Score: 13.6117
Type of gen. func.: ogf

$$-\frac{x - 1}{x^2 - 26 x + 1}$$

Sequence: A153111
Score: 14.2978
Type of gen. func.: revogf

$$-\frac{-1 - 26 x + (672 x^2 + 48 x + 1)^{1/2}}{2 (x + 1)}$$

Sequence: A153111
Score: 19.2127
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x + 25}{(x - 1) (x^2 - 26 x + 1)}$$

Sequence: A153111
Score: 6.73269
Type of gen. func.: ogf

$$-(648 f(x) - 23) (f(x) x^2 - 26 f(x) x + f(x) + x - 1)$$

Sequence: A153111
Score: 7.45404
Type of gen. func.: ogf

$$\{a(n + 2) - 26 a(n + 1) + a(n), a(0) = 1, a(1) = 25\}$$

Sequence: A153111
Score: 9.34536
Type of gen. func.: lgdogf

$$-\frac{-x^2+2x-25}{-x^3+27x^2-27x+1}$$

Sequence: A153122
Score: 12.1971
Type of gen. func.: ogf

$$-\frac{1}{x^5-2x^4+x^3+2x^2-2x-1}$$

Sequence: A153122
Score: 12.3594
Type of gen. func.: lgdogf

$$-\frac{5x^4-8x^3+3x^2+4x-2}{x^5-2x^4+x^3+2x^2-2x-1}$$

Sequence: A153122
Score: 6.73382
Type of gen. func.: lgdogf

$$-\frac{5x^4-8x^3+3x^2+4x-2}{x^5-2x^4+x^3+2x^2-2x-1}$$

Sequence: A153126
Score: 11.7179
Type of gen. func.: ogf

$$x^3-6x^2-4x-1$$

$$\frac{}{(x + 1) (x - 1)^3}$$

Sequence: A153126
Score: 13.6747
Type of gen. func.: lgdogf

$$- \frac{x^4 - 10 x^3 - 21 x^2 - 24 x - 6}{(x - 1) (x + 1) (x^3 - 6 x^2 - 4 x - 1)}$$

Sequence: A153126
Score: 6.21947
Type of gen. func.: ogf

$$(492200 f(x) - 4452641)$$

$$(f(x) x^4 - 2 f(x) x^3 - x^3 + 2 f(x) x + 6 x^2 - f(x) + 4 x + 1)$$

Sequence: A153126
Score: 8.16699
Type of gen. func.: lgdogf

$$- \frac{-x^4 + 10 x^3 + 21 x^2 + 24 x + 6}{-x^5 + 6 x^4 + 5 x^3 - 5 x^2 - 4 x - 1}$$

Sequence: A153127
Score: 11.7151
Type of gen. func.: lgdogf

$$- \frac{-x^2 + 28 x + 33}{-x^3 + 16 x^2 - 9 x - 6}$$

Sequence: A153127
Score: 12.6599
Type of gen. func.: ogf

$$\frac{x^2 - 15 x - 6}{(x - 1)^3}$$

Sequence: A153127
Score: 22.6459
Type of gen. func.: lgdogf

$$- \frac{x^2 - 28 x - 33}{(x - 1) (x^2 - 15 x - 6)}$$

Sequence: A153127
Score: 6.27928
Type of gen. func.: ogf

$$(2122800 f(x) - 29408687)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 15 x + 6)$$

Sequence: A153127
Score: 6.88518
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 6, a(1) = 33, a(2) = 80}

Sequence: A153130
Score: 13.0735
Type of gen. func.: lgdogf

$$- \frac{5 x^6 + 4 x^5 + x^4 - 8 x^3 + 10 x^2 + 4 x + 2}{(x - 1) (x + 1) (x^2 - x + 1) (5 x^3 + 2 x^2 + x + 1)}$$

Sequence: A153130
Score: 14.8607
Type of gen. func.: ogf

$$-\frac{5x^3+2x^2+x+1}{(x-1)(x+1)(x^2-x+1)}$$

Sequence: A153130
Score: 9.23772
Type of gen. func.: ogf

$$f(x)\,(f(x)\,x^4 - f(x)\,x^3 + 5x^3 + f(x)\,x + 2x^2 - f(x) + x + 1)$$

Sequence: A153169
Score: 13.7438
Type of gen. func.: lgdogf

$$-\frac{3x^2-22x+43}{(x-1)(3x^2-14x+19)}$$

Sequence: A153169
Score: 4.66197
Type of gen. func.: ogf

$$(149\,f(x) - 2661)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 3x^2 - f(x) - 14x + 19)$$

Sequence: A153169
Score: 4.78358
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 19,\ a(1) = 43,\ a(2) = 75\}$$

Sequence: A153169
Score: 7.97264
Type of gen. func.: lgdogf

$$-\frac{-3x^2+22x-43}{-3x^3+17x^2-33x+19}$$

Sequence: A153169
Score: 8.73194
Type of gen. func.: ogf

$$-\frac{3x^2 - 14x + 19}{(x-1)^3}$$

Sequence: A153171
Score: 6.27771
Type of gen. func.: ogf

$$\frac{6(x^4 + 2x^3 + x^2 + 2x + 1)}{(x-1)^2 (x^2 + x + 1)^3}$$

Sequence: A153173
Score: 5.76869
Type of gen. func.: ogf

$$-\frac{x^4 + 6x^3 - 29x^2 - 14x + 11}{(x-1)(x^2 + 3x + 1)(x^2 - 7x + 1)}$$

Sequence: A153175
Score: 3.83156
Type of gen. func.: ogf

$$-\frac{x^6 + 16x^5 - 200x^4 - 290x^3 + 550x^2 + 96x - 29}{(x+1)(x^2 + 7x + 1)(x^2 - 3x + 1)(x^2 - 18x + 1)}$$

Sequence: A153186
Score: 6.48113
Type of gen. func.: ogf

$$x^8 + x^7 + x^6 + 7x^5 + 4x^4 + 7x^3 + 4x^2 + 7x + 1$$

$$- \frac{}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A153191
Score: 11.9218
Type of gen. func.: lgdogf

$$- \frac{-12 x - 9}{-6 x^2 - 9 x + 1}$$

Sequence: A153191
Score: 15.1363
Type of gen. func.: revogf

$$\frac{-1 - 9 x + (105 x^2 + 18 x + 1)^{1/2}}{12 x}$$

Sequence: A153191
Score: 15.7883
Type of gen. func.: ogf

$$- \frac{x}{6 x^2 + 9 x - 1}$$

Sequence: A153191
Score: 23.9658
Type of gen. func.: lgdogf

$$- \frac{3 (4 x + 3)}{6 x^2 + 9 x - 1}$$

Sequence: A153191
Score: 7.21194
Type of gen. func.: ogf

$$\{-a(n + 2) + 9 a(n + 1) + 6 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A153191
Score: 9.90115
Type of gen. func.: ogf

$$-6 f(x) x^2 - 9 f(x) x + f(x) - x$$

Sequence: A153192
Score: 8.26536
Type of gen. func.: lgdogf

$$-\frac{-3 x^3 - 9 x^2 - 29 x - 7}{-x^4 - 2 x^3 - 4 x^2 + 2 x + 5}$$

Sequence: A153192
Score: 8.69473
Type of gen. func.: ogf

$$-\frac{x^2 + 2 x + 5}{(x + 1)^2 (x - 1)^3}$$

Sequence: A153194
Score: 7.86595
Type of gen. func.: ogf

$$-\frac{4 x^4 + x^3 + 2 x^2 + x + 10}{(x + 1)^2 (x^2 + 1)^2 (x - 1)^3}$$

Sequence: A153229
Score: 5.65789
Type of gen. func.: ogf

$\{(-n - 2) a(n + 1) + (-n - 1) a(n + 2) + a(n + 3), a(0) = 0, a(1) = 1, a(2) = 0$

$\}$

Sequence: A153231
Score: 12.1256
Type of gen. func.: ogf

$$\mathrm{hypergeom}\left([1/3, 2/3], [3/2], \frac{27\,x}{2}\right)$$

Sequence: A153231
Score: 17.1533
Type of gen. func.: ogf

$$-1 + f(x) - 2\,f(x)^3\,x$$

Sequence: A153231
Score: 30.0481
Type of gen. func.: revogf

$$\frac{(1 + (1 - 8\,x)^{1/2})\,x}{2}$$

Sequence: A153231
Score: 5.67165
Type of gen. func.: ogf

$$\{(-27\,n^2 - 81\,n - 60)\,a(n + 1) + (2\,n^2 + 9\,n + 10)\,a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A153232
Score: 10.6258
Type of gen. func.: revogf

$$-\frac{(1 + (8\,x^2 - 8\,x + 1)^{1/2})\,x}{2\,(x - 1)}$$

Sequence: A153232

Score: 12.9671
Type of gen. func.: ogf

$$-2 f(x)^3 x + f(x) x + f(x) - 1$$

Sequence: A153232
Score: 20.9033
Type of gen. func.: revogf

$$-\frac{(1 + (8 x^2 - 8 x + 1)^{1/2}) x}{2 (x - 1)}$$

Sequence: A153234
Score: 14.2472
Type of gen. func.: lgdogf

$$-\frac{10 x^4 - 12 x^3 + 3 x^2 + 4 x - 3}{(x - 1) (2 x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A153234
Score: 14.9971
Type of gen. func.: ogf

$$\frac{x^4}{(x - 1) (2 x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A153234
Score: 7.30626
Type of gen. func.: ogf

$$-2 f(x) x^5 + 3 f(x) x^4 - f(x) x^3 + x^4 - 2 f(x) x^2 + 3 f(x) x - f(x)$$

Sequence: A153234
Score: 8.72280
Type of gen. func.: lgdogf

$$-\frac{-10x^4+12x^3-3x^2-4x+3}{-2x^5+3x^4-x^3-2x^2+3x-1}$$

Sequence: A153237
Score: 11.1926
Type of gen. func.: ogf

$$\frac{9x^4}{(x-1)(2x-1)(x+1)(x^2-x+1)}$$

Sequence: A153237
Score: 11.5720
Type of gen. func.: lgdogf

$$-\frac{10x^4-12x^3+3x^2+4x-3}{(x-1)(2x-1)(x+1)(x^2-x+1)}$$

Sequence: A153237
Score: 5.83547
Type of gen. func.: ogf

$$-2f(x)x^5+3f(x)x^4-f(x)x^3+9x^4-2f(x)x^2+3f(x)x-f(x)$$

Sequence: A153237
Score: 6.96685
Type of gen. func.: lgdogf

$$-\frac{-10x^4+12x^3-3x^2-4x+3}{-2x^5+3x^4-x^3-2x^2+3x-1}$$

Sequence: A153257
Score: 17.1576
Type of gen. func.: lgdogf

$$-\frac{x^3 + 13 x^2 + 13 x - 3}{(x - 1) (x^3 + 5 x^2 + x - 1)}$$

Sequence: A153257
Score: 3.96505
Type of gen. func.: ogf

$$\{(-127 n^2 - 535 n - 562) a(n + 1) + (82 n^2 - 64 n - 30) a(n + 2)$$

$$+ (45 n^2 + 83 n - 156) a(n + 3), a(0) = -1, a(1) = -3, a(2) = -1\}$$

Sequence: A153257
Score: 4.97627
Type of gen. func.: ogf

$$-(20682 f(x) + 40349)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 5 x^2 + f(x) - x + 1)$$

Sequence: A153257
Score: 9.04226
Type of gen. func.: lgdogf

$$-\frac{x^3 + 13 x^2 + 13 x - 3}{x^4 + 4 x^3 - 4 x^2 - 2 x + 1}$$

Sequence: A153257
Score: 9.62942
Type of gen. func.: ogf

$$\frac{x^3 + 5 x^2 + x - 1}{(x - 1)^4}$$

Sequence: A153258
Score: 10.6924
Type of gen. func.: ogf

$$\frac{2 (x^3 + 4 x - 2)}{(x - 1)^4}$$

Sequence: A153258
Score: 19.3181
Type of gen. func.: lgdogf

$$- \frac{x^3 + 3 x^2 + 12 x - 4}{(x - 1) (x^3 + 4 x - 2)}$$

Sequence: A153258
Score: 3.92434
Type of gen. func.: ogf

$$\{(-43 n^2 - 261 n - 350) a(n + 1) + (98 n^2 + 470 n + 344) a(n + 2) + (-55 n^2 - 173 n - 24) a(n + 3), a(0) = -4, a(1) = -8, a(2) = -8\}$$

Sequence: A153258
Score: 5.46501
Type of gen. func.: ogf

$$(5778 f(x) + 8177) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 2 x^3 - 4 f(x) x + f(x) - 8 x + 4)$$

Sequence: A153258
Score: 9.10835
Type of gen. func.: lgdogf

$$- \frac{-x^3 - 3 x^2 - 12 x + 4}{-x^4 + x^3 - 4 x^2 + 6 x - 2}$$

Sequence: A153259
Score: 12.3950
Type of gen. func.: lgdogf

$$-\frac{37 x^3 - 151 x^2 + 281 x - 143}{(x - 1) (37 x^3 - 131 x^2 + 181 x - 81)}$$

Sequence: A153259
Score: 4.65176
Type of gen. func.: ogf

$$(2262 f(x) + 2918515) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 37 x^3 - 4 f(x) x + 131 x^2 + f(x) - 181 x + 81)$$

Sequence: A153259
Score: 7.44281
Type of gen. func.: lgdogf

$$-\frac{-37 x^3 + 151 x^2 - 281 x + 143}{-37 x^4 + 168 x^3 - 312 x^2 + 262 x - 81}$$

Sequence: A153259
Score: 8.51888
Type of gen. func.: ogf

$$\frac{37 x^3 - 131 x^2 + 181 x - 81}{(x - 1)^4}$$

Sequence: A153260
Score: 13.3722
Type of gen. func.: lgdogf

$$-\frac{13 x^3 - 43 x^2 + 101 x - 47}{}$$

$$(x-1)\,(13\,x^3-41\,x^2+61\,x-27)$$

Sequence: A153260
Score: 4.88593
Type of gen. func.: ogf

$$-(150\,f(x)-12071)\,(f(x)\,x^4-4\,f(x)\,x^3+6\,f(x)\,x^2-13\,x^3-4\,f(x)\,x+41\,x^2+f(x)-61\,x+27)$$

Sequence: A153260
Score: 8.10743
Type of gen. func.: lgdogf

$$-\frac{-13\,x^3+43\,x^2-101\,x+47}{-13\,x^4+54\,x^3-102\,x^2+88\,x-27}$$

Sequence: A153260
Score: 9.10835
Type of gen. func.: ogf

$$\frac{13\,x^3-41\,x^2+61\,x-27}{(x-1)^4}$$

Sequence: A153263
Score: 12.2690
Type of gen. func.: lgdogf

$$-\frac{3\,x^4+10\,x^3+19\,x^2+18\,x+5}{(x+1)\,(3\,x^2+5\,x+3)\,(x^2+x-1)}$$

Sequence: A153263
Score: 12.9510
Type of gen. func.: ogf

$$-\frac{3x^2 + 5x + 3}{(x + 1)(x^2 + x - 1)}$$

Sequence: A153263
Score: 7.30896
Type of gen. func.: lgdogf

$$-\frac{3x^4 + 10x^3 + 19x^2 + 18x + 5}{3x^5 + 11x^4 + 13x^3 + 3x^2 - 5x - 3}$$

Sequence: A153263
Score: 7.38205
Type of gen. func.: ogf

$$-(175 f(x) - 29) (f(x) x^3 + 2 f(x) x^2 + 3 x^2 - f(x) + 5 x + 3)$$

Sequence: A153263
Score: 7.85324
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 1) - a(n), a(0) = 3, a(1) = 5, a(2) = 9\}$$

Sequence: A153265
Score: 3.8683
Type of gen. func.: ogf

$$-(45123 f(x) - 256133) (4 f(x) x^4 - 4 f(x) x^3 + 5 f(x) x^2 + 4 x^3 - f(x) x - 10 x^2 + f(x) + 3 x - 4)$$

Sequence: A153265
Score: 7.33568
Type of gen. func.: lgdogf

```
          6       5       4       3       2
      16 x  - 80 x  + 56 x  - 80 x  + 41 x  - 20 x + 1
    - ------------------------------------------------
        2              2           3       2
```

$$(x - x + 1) (4 x + 1) (4 x - 10 x + 3 x - 4)$$

Sequence: A153265
Score: 7.48864
Type of gen. func.: ogf

$$-\frac{4 x^3 - 10 x^2 + 3 x - 4}{(x^2 - x + 1) (4 x^2 + 1)}$$

Sequence: A153266
Score: 10.1122
Type of gen. func.: lgdogf

$$-\frac{48 x^3 - 222 x^2 + 286 x - 19}{(6 x - 13) (4 x + 1) (x^2 - 3 x + 1)}$$

Sequence: A153266
Score: 4.34932
Type of gen. func.: ogf

$$-(3245089763 f(x) + 388371808)$$

$$(4 f(x) x^3 - 11 f(x) x^2 + f(x) x + f(x) + 6 x - 13)$$

Sequence: A153266
Score: 4.68388
Type of gen. func.: ogf

$$\{a(n + 3) + a(n + 2) - 11 a(n + 1) + 4 a(n), a(0) = 13, a(1) = -19, a(2) = 162\}$$

Sequence: A153266
Score: 9.96389
Type of gen. func.: ogf

$$-\frac{6 x - 13}{(4 x + 1) (x^2 - 3 x + 1)}$$

Sequence: A153267
Score: 4.47509
Type of gen. func.: ogf

$$-(129156285 f(x) + 111091408)$$

$$(4 f(x) x^3 - 11 f(x) x^2 + f(x) x + 16 x^2 + f(x) - 34 x + 5)$$

Sequence: A153267
Score: 5.16950
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) + 11 a(n + 1) - 4 a(n), a(0) = -5, a(1) = 39, a(2) = -110$$

$$\}$$

Sequence: A153267
Score: 8.87570
Type of gen. func.: lgdogf

$$-\frac{64 x^4 - 272 x^3 + 418 x^2 - 142 x + 39}{(4 x + 1) (x^2 - 3 x + 1) (16 x^2 - 34 x + 5)}$$

Sequence: A153267
Score: 9.36972
Type of gen. func.: ogf

$$-\frac{16 x^2 - 34 x + 5}{(4 x + 1) (x^2 - 3 x + 1)}$$

Sequence: A153284
Score: 11.4629
Type of gen. func.: ogf

$$-f(x) x^2 - 2 x^2 + f(x) - x - 1$$

Sequence: A153284
Score: 12.3987
Type of gen. func.: ogf

$$-\frac{2x^2 + x + 1}{(x - 1)(x + 1)}$$

Sequence: A153284
Score: 15.9606
Type of gen. func.: lgdogf

$$-\frac{x^2 + 6x + 1}{(x - 1)(x + 1)(2x^2 + x + 1)}$$

Sequence: A153284
Score: 7.23257
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 1, a(1) = 1, a(2) = 3\}$$

Sequence: A153285
Score: 11.8258
Type of gen. func.: ogf

$$\frac{2x^4 + x^3 + 9x^2 + 3x + 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A153285
Score: 13.4419
Type of gen. func.: lgdogf

$$-\frac{x^4 + 26x^3 + 12x^2 + 22x + 3}{(x - 1)(x + 1)(2x^4 + x^3 + 9x^2 + 3x + 1)}$$

Sequence: A153285
Score: 7.77733
Type of gen. func.: ogf

$$(44 f(x) + 97) (f(x) x^4 - 2 x^4 - 2 f(x) x^2 - x^3 - 9 x^2 + f(x) - 3 x - 1)$$

Sequence: A153286
Score: 8.07012
Type of gen. func.: ogf

$$-\frac{2 x^6 + x^5 + 39 x^4 + 16 x^3 + 30 x^2 + 7 x + 1}{(x - 1)^3 (x + 1)^3}$$

Sequence: A153286
Score: 8.51382
Type of gen. func.: lgdogf

$$-\frac{x^6 + 90 x^5 + 53 x^4 + 276 x^3 + 83 x^2 + 66 x + 7}{(x - 1) (x + 1) (2 x^6 + x^5 + 39 x^4 + 16 x^3 + 30 x^2 + 7 x + 1)}$$

Sequence: A153315
Score: 12.8755
Type of gen. func.: ogf

$$-\frac{x^2 - 8 x - 1}{(x^2 + 4 x - 1) (x^2 - 4 x - 1)}$$

Sequence: A153315
Score: 7.39385
Type of gen. func.: ogf

$$(10946 f(x) + 2051) (f(x) x^4 - 18 f(x) x^2 + x^2 + f(x) - 8 x - 1)$$

Sequence: A153316

Score: 11.3636
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 - 9x - 1}{(x^2 + 4x - 1)(x^2 - 4x - 1)}$$

Sequence: A153316
Score: 6.39735
Type of gen. func.: lgdogf

$$-\frac{x^6 - 2x^5 - 9x^4 - 4x^3 + 159x^2 + 38x + 9}{(x^2 + 4x - 1)(x^2 - 4x - 1)(x^3 - x^2 - 9x - 1)}$$

Sequence: A153316
Score: 7.00933
Type of gen. func.: ogf

$$(2105 f(x) + 196) (f(x) x^4 - 18 f(x) x^2 + x^3 - x^2 + f(x) - 9 x - 1)$$

Sequence: A153317
Score: 4.90478
Type of gen. func.: ogf

$$(20242 f(x) + 4003) (f(x) x^4 - 22 f(x) x^2 + x^2 + f(x) - 10 x - 1)$$

Sequence: A153317
Score: 7.62975
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 15x^4 - 2x^3 + 110x^2 + 21x + 5)}{(x^2 - 10x - 1)(x^4 - 22x^2 + 1)}$$

Sequence: A153317
Score: 8.47944
Type of gen. func.: ogf

$$-\frac{x^2 - 10\,x - 1}{x^4 - 22\,x^2 + 1}$$

Sequence: A153318
Score: 4.50709
Type of gen. func.: ogf

$$(121452\,f(x) + 9067)\,(f(x)\,x^4 - 22\,f(x)\,x^2 + x^3 - x^2 + f(x) - 11\,x - 1)$$

Sequence: A153318
Score: 6.68910
Type of gen. func.: lgdogf

$$-\frac{x^6 - 2\,x^5 - 11\,x^4 - 4\,x^3 + 239\,x^2 + 46\,x + 11}{(x^3 - x^2 - 11\,x - 1)\,(x^4 - 22\,x^2 + 1)}$$

Sequence: A153318
Score: 7.46697
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 - 11\,x - 1}{x^4 - 22\,x^2 + 1}$$

Sequence: A153336
Score: 3.2894
Type of gen. func.: ogf

$$256\,f(x)^2\,x^4 - 256\,f(x)^2\,x^3 + 96\,f(x)^2\,x^2 + 128\,f(x)\,x^3 - 16\,f(x)^2\,x$$
$$- 160\,f(x)\,x^2 + f(x)^2 + 56\,f(x)\,x + 16\,x^2 - 6\,f(x) - 8\,x + 5$$

Sequence: A153336
Score: 8.99631

Type of gen. func.: lgdogf

$$-\frac{4\left(16x^2-8x+9+\left(-(4x-1)(4x+1)^2\right)^{1/2}\right)}{(16x^2-8x+5)(4x-1)}$$

Sequence: A153337
Score: 3.47064
Type of gen. func.: ogf

$$-256f(x)^2x^4+256f(x)^2x^3-96f(x)^2x^2+16f(x)^2x+32f(x)x^2-64x^3$$
$$-f(x)^2-16f(x)x+16x^2+2f(x)-1$$

Sequence: A153338
Score: 3.95491
Type of gen. func.: ogf

$$\{(-16n^2-88n-120)a(n+1)+(8n^2+42n+52)a(n+2)$$
$$+(-n^2-5n-6)a(n+3),\ a(0)=0,\ a(1)=2,\ a(2)=18\}$$

Sequence: A153338
Score: 4.65284
Type of gen. func.: ogf

$$-256f(x)^2x^4+256f(x)^2x^3-96f(x)^2x^2+16f(x)^2x+32f(x)x^2-f(x)^2$$
$$-16f(x)x+2f(x)-4x$$

Sequence: A153338
Score: 8.57690
Type of gen. func.: lgdogf

$$\frac{-\frac{20x-1}{2(4x-1)^{1/2}}+1/2\,I}{(4x-1)^{1/2}\,x}$$

Sequence: A153339
Score: 14.4653
Type of gen. func.: ogf

$$\frac{x^2 - 4 x - 3}{3 x^2 - 1}$$

Sequence: A153339
Score: 18.7755
Type of gen. func.: lgdogf

$$\frac{4 (x + 1) (3 x + 1)}{(3 x^2 - 1) (x^2 - 4 x - 3)}$$

Sequence: A153339
Score: 8.43807
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 1), a(0) = 3, a(1) = 4, a(2) = 8\}$$

Sequence: A153339
Score: 9.32629
Type of gen. func.: lgdogf

$$- \frac{12 x^2 + 16 x + 4}{-3 x^4 + 12 x^3 + 10 x^2 - 4 x - 3}$$

Sequence: A153339
Score: 9.3263
Type of gen. func.: ogf

$$(7 f(x) - 15) (3 f(x) x^2 - x^2 - f(x) + 4 x + 3)$$

Sequence: A153340

Score: 5.33574
Type of gen. func.: ogf

$$(7 f(x) - 10)$$

$$(f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 + 4 x^3 - f(x) x + 12 x^2 + f(x) - 6 x - 8)$$

Sequence: A153340
Score: 8.87568
Type of gen. func.: lgdogf

$$- \frac{2 x^6 + 12 x^5 + 9 x^4 - 24 x^3 - 15 x^2 + 12 x + 7}{(x - 1) (2 x^3 + 6 x^2 - 3 x - 4) (x^3 + 3 x^2 - 1)}$$

Sequence: A153340
Score: 9.50856
Type of gen. func.: ogf

$$- \frac{2 (2 x^3 + 6 x^2 - 3 x - 4)}{(x - 1) (x^3 + 3 x^2 - 1)}$$

Sequence: A153349
Score: 10.0276
Type of gen. func.: lgdogf

$$- \frac{x^8 + 12 x^7 - 13 x^6 + 30 x^5 - 12 x^4 + 17 x^2 - 6 x + 7}{(x - 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 + 6 x^3 - 2 x^2 + 6 x + 1)}$$

Sequence: A153349
Score: 10.6591
Type of gen. func.: ogf

$$- \frac{x^4 + 6 x^3 - 2 x^2 + 6 x + 1}{(x - 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A153360
Score: 6.55294
Type of gen. func.: lgdogf

$$-\frac{(x+1)(3x^7-15x^6+6x^5+58x^4-18x^3-42x^2+7x+9)}{(3x^4-6x^3-12x^2+4x+5)(x^5-3x^4-3x^3+4x^2+x-1)}$$

Sequence: A153360
Score: 7.58340
Type of gen. func.: ogf

$$-\frac{2(3x^4-6x^3-12x^2+4x+5)}{x^5-3x^4-3x^3+4x^2+x-1}$$

Sequence: A153361
Score: 6.11619
Type of gen. func.: ogf

$$-\frac{2(3x^5+12x^4-12x^3-20x^2+5x+6)}{x^6+3x^5-6x^4-4x^3+5x^2+x-1}$$

Sequence: A153362
Score: 6.34674
Type of gen. func.: ogf

$$(f(x)-5)(5f(x)x^4-x^4-5f(x)x^2+24x^3+15x^2+f(x)-16x-9)$$

Sequence: A153362
Score: 8.10581
Type of gen. func.: lgdogf

$$\frac{4(2x+1)(x+1)(15x^4-5x^3-15x^2+3x+4)}{(5x^4-5x^2+1)(x^4-24x^3-15x^2+16x+9)}$$

Sequence: A153362
Score: 9.35311
Type of gen. func.: ogf

$$\frac{x^4 - 24 x^3 - 15 x^2 + 16 x + 9}{5 x^4 - 5 x^2 + 1}$$

Sequence: A153363
Score: 6.35385
Type of gen. func.: ogf

$$-(f(x) - 2) (5 f(x) x^4 - x^4 - 5 f(x) x^2 + 12 x^3 + 9 x^2 + f(x) - 8 x - 5)$$

Sequence: A153363
Score: 8.66435
Type of gen. func.: lgdogf

$$\frac{4 (15 x^6 + 20 x^5 - 15 x^4 - 24 x^3 + x^2 + 8 x + 2)}{(5 x^4 - 5 x^2 + 1) (x^4 - 12 x^3 - 9 x^2 + 8 x + 5)}$$

Sequence: A153363
Score: 9.78838
Type of gen. func.: ogf

$$\frac{x^4 - 12 x^3 - 9 x^2 + 8 x + 5}{5 x^4 - 5 x^2 + 1}$$

Sequence: A153364
Score: 10.9748
Type of gen. func.: ogf

$$- \frac{2 (2 x + 1) (3 x^2 - 2)}{5 x^4 - 5 x^2 + 1}$$

Sequence: A153364
Score: 6.76952
Type of gen. func.: ogf

$$-(5 f(x) - 13) (5 f(x) x^{4} - 5 f(x) x^{2} + 12 x^{3} + 6 x^{2} + f(x) - 8 x - 4)$$

Sequence: A153364
Score: 9.34838
Type of gen. func.: lgdogf

$$-\frac{2 (15 x^{6} + 15 x^{5} - 15 x^{4} - 20 x^{3} + x^{2} + 7 x + 2)}{(2 x + 1) (3 x^{2} - 2) (5 x^{4} - 5 x^{2} + 1)}$$

Sequence: A153365
Score: 13.6326
Type of gen. func.: ogf

$$-\frac{4 (3 x - 2)}{5 x^{2} - 5 x + 1}$$

Sequence: A153365
Score: 13.9672
Type of gen. func.: revogf

$$-\frac{-8 - 5 x + (5 x^{2} + 32 x + 64)^{1/2}}{2 (12 + 5 x)}$$

Sequence: A153365
Score: 16.1725
Type of gen. func.: lgdogf

$$-\frac{15 x^{2} - 20 x + 7}{(3 x - 2) (5 x^{2} - 5 x + 1)}$$

Sequence: A153365
Score: 6.81629
Type of gen. func.: ogf

$$-(15 f(x) + 76) (5 f(x) x^2 - 5 f(x) x + f(x) + 12 x - 8)$$

Sequence: A153365
Score: 7.55540
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 5 a(n), a(0) = 8, a(1) = 28\}$$

Sequence: A153365
Score: 9.08838
Type of gen. func.: lgdogf

$$-\frac{-15 x^2 + 20 x - 7}{-15 x^3 + 25 x^2 - 13 x + 2}$$

Sequence: A153366
Score: 12.4124
Type of gen. func.: ogf

$$\frac{x^2 - 9 x + 5}{5 x^2 - 5 x + 1}$$

Sequence: A153366
Score: 15.7352
Type of gen. func.: lgdogf

$$\frac{8 (5 x^2 - 6 x + 2)}{(5 x^2 - 5 x + 1) (x^2 - 9 x + 5)}$$

Sequence: A153366
Score: 6.32554
Type of gen. func.: ogf

$$\{a(n+3) - 5 a(n+2) + 5 a(n+1), a(0) = 5, a(1) = 16, a(2) = 56\}$$

Sequence: A153366
Score: 6.57857
Type of gen. func.: ogf

$$-(87 f(x) + 205) (5 f(x) x^2 - 5 f(x) x - x^2 + f(x) + 9 x - 5)$$

Sequence: A153366
Score: 8.43405
Type of gen. func.: lgdogf

$$-\frac{40 x^2 - 48 x + 16}{-5 x^4 + 50 x^3 - 71 x^2 + 34 x - 5}$$

Sequence: A153367
Score: 14.6190
Type of gen. func.: ogf

$$-\frac{2 (3 x - 2)}{5 x^2 - 5 x + 1}$$

Sequence: A153367
Score: 15.0034
Type of gen. func.: revogf

$$-\frac{-4 - 5 x + (5 x^2 + 16 x + 16)^{1/2}}{2 (6 + 5 x)}$$

Sequence: A153367
Score: 16.9775
Type of gen. func.: lgdogf

$$-\frac{15 x^2 - 20 x + 7}{(3 x - 2) (5 x^2 - 5 x + 1)}$$

Sequence: A153367
Score: 7.2292
Type of gen. func.: ogf

$$-(15 f(x) + 38) (5 f(x) x^2 - 5 f(x) x + f(x) + 6 x - 4)$$

Sequence: A153367
Score: 7.92598
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 5 a(n), a(0) = 4, a(1) = 14\}$$

Sequence: A153367
Score: 9.53414
Type of gen. func.: lgdogf

$$-\frac{-15 x^2 + 20 x - 7}{-15 x^3 + 25 x^2 - 13 x + 2}$$

Sequence: A153368
Score: 5.37045
Type of gen. func.: lgdogf

$$- 4 (2 x + 1) (3 x^9 + 3 x^8 - 24 x^7 - 16 x^6 + 60 x^5 + 36 x^4 - 42 x^3 - 24 x^2 + 9 x + 5) / ((2 x^2 - 1) (12 x^5 + 9 x^4 - 48 x^3 - 28 x^2 + 20 x + 11) (x^4 - 4 x^2 + 1))$$

Sequence: A153368
Score: 7.74474
Type of gen. func.: ogf

$$-\frac{12 x^5 + 9 x^4 - 48 x^3 - 28 x^2 + 20 x + 11}{(2 x^2 - 1) (x^4 - 4 x^2 + 1)}$$

Sequence: A153369
Score: 5.73075
Type of gen. func.: lgdogf

$$- (x + 1) (6 x^9 + 6 x^8 - 51 x^7 - 13 x^6 + 117 x^5 + 27 x^4 - 75 x^3 - 21 x^2 + 15 x + 5) / ((2 x^2 - 1) (3 x^5 + 3 x^4 - 12 x^3 - 8 x^2 + 5 x + 3) (x^4 - 4 x^2 + 1))$$

Sequence: A153369
Score: 8.06161
Type of gen. func.: ogf

$$-\frac{2 (3 x^5 + 3 x^4 - 12 x^3 - 8 x^2 + 5 x + 3)}{(2 x^2 - 1) (x^4 - 4 x^2 + 1)}$$

Sequence: A153370
Score: 5.91712
Type of gen. func.: lgdogf

$$- 2 (6 x^{10} + 6 x^9 - 45 x^8 - 48 x^7 + 104 x^6 + 120 x^5 - 48 x^4 - 84 x^3 - 6 x^2 + 18 x + 5) / ((2 x + 1) (2 x^2 - 1) (x^4 - 4 x^2 + 1) (3 x^4 - 12 x^2 + 5))$$

Sequence: A153370
Score: 8.06161
Type of gen. func.: ogf

$$-\frac{(2 x + 1) (3 x^4 - 12 x^2 + 5)}{(2 x^2 - 1) (x^4 - 4 x^2 + 1)}$$

Sequence: A153371
Score: 10.1530
Type of gen. func.: ogf

$$-\frac{2\,(3\,x^2 - 12\,x + 5)}{(2\,x - 1)\,(x^2 - 4\,x + 1)}$$

Sequence: A153371
Score: 5.46702
Type of gen. func.: ogf

$$-(5\,f(x) + 4)\,(2\,f(x)\,x^3 - 9\,f(x)\,x^2 + 6\,f(x)\,x + 6\,x^2 - f(x) - 24\,x + 10)$$

Sequence: A153371
Score: 5.51414
Type of gen. func.: ogf

{-a(n + 3) + 6 a(n + 2) - 9 a(n + 1) + 2 a(n), a(0) = 10, a(1) = 36, a(2) = 132

}

Sequence: A153371
Score: 9.95394
Type of gen. func.: lgdogf

$$-\frac{6\,(x^4 - 8\,x^3 + 20\,x^2 - 14\,x + 3)}{(2\,x - 1)\,(x^2 - 4\,x + 1)\,(3\,x^2 - 12\,x + 5)}$$

Sequence: A153372
Score: 5.27942
Type of gen. func.: ogf

$$-(31\,f(x) + 6)\,(2\,f(x)\,x^3 - 9\,f(x)\,x^2 + 6\,f(x)\,x + 6\,x^2 - f(x) - 16\,x + 6)$$

Sequence: A153372
Score: 5.41835
Type of gen. func.: ogf

$$\{-a(n+3) + 6\ a(n+2) - 9\ a(n+1) + 2\ a(n),\ a(0) = 6,\ a(1) = 20,\ a(2) = 72\}$$

Sequence: A153372
Score: 9.16893
Type of gen. func.: lgdogf

$$-\frac{2\ (3\ x^4 - 16\ x^3 + 36\ x^2 - 24\ x + 5)}{(2\ x - 1)\ (3\ x^2 - 8\ x + 3)\ (x^2 - 4\ x + 1)}$$

Sequence: A153372
Score: 9.96277
Type of gen. func.: ogf

$$-\frac{2\ (3\ x^2 - 8\ x + 3)}{(2\ x - 1)\ (x^2 - 4\ x + 1)}$$

Sequence: A153373
Score: 5.41835
Type of gen. func.: ogf

$$\{-a(n+3) + 6\ a(n+2) - 9\ a(n+1) + 2\ a(n),\ a(0) = 5,\ a(1) = 18,\ a(2) = 66\}$$

Sequence: A153373
Score: 5.51511
Type of gen. func.: ogf

$$(5\ f(x) + 2)\ (2\ f(x)\ x^3 - 9\ f(x)\ x^2 + 6\ f(x)\ x + 3\ x^2 - f(x) - 12\ x + 5)$$

Sequence: A153373
Score: 9.45546
Type of gen. func.: lgdogf

4 3 2

$$-\frac{6 (x - 8 x + 20 x - 14 x + 3)}{(2 x - 1) (x^2 - 4 x + 1) (3 x^2 - 12 x + 5)}$$

Sequence: A153373
Score: 9.96277
Type of gen. func.: ogf

$$-\frac{3 x^2 - 12 x + 5}{(2 x - 1) (x^2 - 4 x + 1)}$$

Sequence: A153382
Score: 10.3088
Type of gen. func.: ogf

$$-\frac{2 x (4 x^2 - x - 4)}{(x - 1) (x + 1) (x^2 + x - 1)}$$

Sequence: A153382
Score: 11.4121
Type of gen. func.: lgdogf

$$-\frac{8 x^5 + x^4 - 18 x^3 - 6 x^2 + 8 x + 5}{(x - 1) (x + 1) (x^2 + x - 1) (4 x^2 - x - 4)}$$

Sequence: A153382
Score: 5.65819
Type of gen. func.: ogf

$$(f(x) + 7) (f(x) x^4 + f(x) x^3 - 2 f(x) x^2 + 8 x^3 - f(x) x - 2 x^2 + f(x) - 8 x)$$

Sequence: A153388
Score: 10.6431
Type of gen. func.: lgdogf

$$-\frac{(2x-3)(2x^3-4x^2+6x-3)}{(x-1)(4x^2-7x+4)(x^2-3x+1)}$$

Sequence: A153388
Score: 12.2001
Type of gen. func.: ogf

$$-\frac{2(4x^2-7x+4)}{(x-1)(x^2-3x+1)}$$

Sequence: A153388
Score: 6.63517
Type of gen. func.: ogf

$$\{a(n+3)-4a(n+2)+4a(n+1)-a(n),\ a(0)=8,\ a(1)=18,\ a(2)=48\}$$

Sequence: A153388
Score: 6.75366
Type of gen. func.: ogf

$$(f(x)-8)(f(x)x^3-4f(x)x^2+4f(x)x+8x^2-f(x)-14x+8)$$

Sequence: A153388
Score: 7.34378
Type of gen. func.: lgdogf

$$-\frac{4x^4-14x^3+24x^2-24x+9}{4x^5-23x^4+48x^3-48x^2+23x-4}$$

Sequence: A153435
Score: 10.3745
Type of gen. func.: lgdogf

$$-\frac{2(150x^2-x-50)}{}$$

$$(x - 1) (100 x - 1) (x + 1)$$

Sequence: A153435
Score: 3.39935
Type of gen. func.: ogf

$$-(100010001 f(x) + 2200330000) (100 f(x) x^3 - f(x) x^2 - 100 f(x) x + f(x) - 11)$$

Sequence: A153435
Score: 3.39936
Type of gen. func.: ogf

$$\{a(n + 3) - 100 a(n + 2) - a(n + 1) + 100 a(n), a(0) = 11, a(1) = 1100, a(2) = 110011\}$$

Sequence: A153435
Score: 9.23739
Type of gen. func.: ogf

$$\frac{11}{(x - 1) (100 x - 1) (x + 1)}$$

Sequence: A153448
Score: 12.2540
Type of gen. func.: ogf

$$-\frac{3 x (9 x + 1)}{(x - 1)^3}$$

Sequence: A153448
Score: 14.2146
Type of gen. func.: lgdogf

$$-\frac{-18 x - 12}{-9 x^2 + 8 x + 1}$$

Sequence: A153448
Score: 29.1558
Type of gen. func.: lgdogf

$$-\frac{6\,(2 + 3\,x)}{(9\,x + 1)\,(x - 1)}$$

Sequence: A153448
Score: 5.97253
Type of gen. func.: ogf

$$-(4900\,f(x) - 47619)\,(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x + 27\,x^{2} - f(x) + 3\,x)$$

Sequence: A153448
Score: 6.34581
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 0,\ a(1) = 3,\ a(2) = 36\}$$

Sequence: A153449
Score: 11.8992
Type of gen. func.: ogf

$$-\frac{11\,x\,(2\,x + 1)}{(x - 1)^{3}}$$

Sequence: A153449
Score: 14.6261
Type of gen. func.: lgdogf

$$-\frac{-4\,x - 5}{-2\,x^{2} + x + 1}$$

Sequence: A153449
Score: 31.4155
Type of gen. func.: lgdogf

$$5 + 4\,x$$

$$-\frac{}{(2x+1)(x-1)}$$

Sequence: A153449
Score: 6.05219
Type of gen. func.: ogf

$$-(27 f(x) - 286) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 22 x^2 - f(x) + 11 x)$$

Sequence: A153449
Score: 6.21288
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 11, a(2) = 55\}$$

Sequence: A153465
Score: 10.4919
Type of gen. func.: lgdogf

$$-\frac{-56 x^2 + 136 x - 71}{-56 x^3 + 138 x^2 - 99 x + 17}$$

Sequence: A153465
Score: 16.2960
Type of gen. func.: ogf

$$-\frac{2 (14 x - 17)}{(4 x - 1) (x - 1)}$$

Sequence: A153465
Score: 16.7377
Type of gen. func.: revogf

$$-\frac{-34 - 5 x + (9 x^2 + 228 x + 1156)^{1/2}}{8 (7 + x)}$$

Sequence: A153465
Score: 17.5162
Type of gen. func.: lgdogf

$$-\frac{56 x^2 - 136 x + 71}{(x - 1) (14 x - 17) (4 x - 1)}$$

Sequence: A153465
Score: 8.32512
Type of gen. func.: ogf

$$(219 f(x) + 2636) (4 f(x) x^2 - 5 f(x) x + f(x) + 28 x - 34)$$

Sequence: A153465
Score: 9.01071
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - 4 a(n), a(0) = 34, a(1) = 142\}$$

Sequence: A153466
Score: 10.9735
Type of gen. func.: ogf

$$-\frac{2 (44 x^2 - 159 x + 116)}{(x - 1) (x^2 - 3 x + 1)}$$

Sequence: A153466
Score: 5.88819
Type of gen. func.: ogf

$$(2173 f(x) + 83064)$$

$$(f(x) x^3 - 4 f(x) x^2 + 4 f(x) x + 88 x^2 - f(x) - 318 x + 232)$$

Sequence: A153466
Score: 6.08612
Type of gen. func.: ogf

```
{a(n + 3) - 4 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 232, a(1) = 610, a(2) = 1600

    }


-------------------------------------------------------------------------------

Sequence:  A153466
Score: 9.88017
Type of gen. func.: lgdogf


                          4        3        2
                      44 x  - 318 x  + 808 x  - 840 x + 305
                 - --------------------------------------------
                             2                 2
                   (x - 1) (x  - 3 x + 1) (44 x  - 159 x + 116)


-------------------------------------------------------------------------------

Sequence:  A153497
Score: 6.03538
Type of gen. func.: ogf


                            5       4       3
                        32 x  - 24 x  + 16 x  + 2 x + 1
                    ---------------------------------------
                                          2          2
                    (4 x - 1) (x - 1) (2 x  + 1) (8 x  + 1)


-------------------------------------------------------------------------------

Sequence:  A153499
Score: 5.39226
Type of gen. func.: ogf


                         6       5       4       3      2
                     64 x  - 80 x  + 16 x  - 20 x  - 6 x  - 1
                   - -----------------------------------------
                                           2          2
                     (4 x - 1) (x - 1) (2 x  + 1) (8 x  + 1)


-------------------------------------------------------------------------------

Sequence:  A153500
Score: 4.06207
Type of gen. func.: ogf


                     6            5          4          3        2
            1000000 x  - 1010000 x  + 10000 x  - 10100 x  - 910 x  - 1
          - ----------------------------------------------------------
                                           2             2
                  (100 x - 1) (x - 1) (10 x  + 1) (1000 x  + 1)


-------------------------------------------------------------------------------

Sequence:  A153509
Score: 11.4755
```

Type of gen. func.: ogf

$$-\frac{3\,(x^3+2)}{(x-1)\,(x^6+x^3+1)}$$

Sequence: A153509
Score: 14.3041
Type of gen. func.: lgdogf

$$-\frac{4\,x^9-3\,x^8+15\,x^6-12\,x^5+6\,x^3-3\,x^2+2}{(x-1)\,(x^3+2)\,(x^6+x^3+1)}$$

Sequence: A153511
Score: 10.9424
Type of gen. func.: egf]

$$-8\,f(x)\,x+f(x)-4$$

Sequence: A153511
Score: 16.0229
Type of gen. func.: lgdegf]

$$\frac{8}{1-8\,x}$$

Sequence: A153511
Score: 17.9456
Type of gen. func.: egf]

$$-\frac{4}{8\,x-1}$$

Sequence: A153511
Score: 39.8258
Type of gen. func.: lgdegf]

$$8$$

$$- \frac{}{8 x - 1}$$

Sequence: A153511
Score: 4.98489
Type of gen. func.: ogf

$$\{(-8 n - 16) a(n + 1) + a(n + 2), a(0) = 4, a(1) = 32\}$$

Sequence: A153593
Score: 10.4708
Type of gen. func.: lgdogf

$$- \frac{158 x - 18}{79 x^2 - 18 x + 1}$$

Sequence: A153593
Score: 13.9331
Type of gen. func.: revogf

$$- \frac{-18 x - 1 + (8 x^2 + 36 x + 1)^{1/2}}{158 x}$$

Sequence: A153593
Score: 15.8557
Type of gen. func.: ogf

$$\frac{1}{79 x^2 - 18 x + 1}$$

Sequence: A153593
Score: 19.4068
Type of gen. func.: lgdogf

$$- \frac{2 (-9 + 79 x)}{79 x^2 - 18 x + 1}$$

Sequence: A153593
Score: 6.52884
Type of gen. func.: ogf

$$(83 f(x) + 79) (79 f(x) x^2 - 18 f(x) x + f(x) - 1)$$

Sequence: A153593
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 18 a(n + 1) - 79 a(n), a(0) = 1, a(1) = 18\}$$

Sequence: A153594
Score: 13.4151
Type of gen. func.: lgdogf

$$- \frac{26 x - 8}{13 x^2 - 8 x + 1}$$

Sequence: A153594
Score: 15.6232
Type of gen. func.: revogf

$$- \frac{-1 - 8 x + (12 x^2 + 16 x + 1)^{1/2}}{26 x}$$

Sequence: A153594
Score: 19.7281
Type of gen. func.: ogf

$$\frac{1}{13 x^2 - 8 x + 1}$$

Sequence: A153594
Score: 21.9882
Type of gen. func.: lgdogf

$$-\frac{2\,(-4 + 13\,x)}{13\,x^{2} - 8\,x + 1}$$

Sequence: A153594
Score: 7.98519
Type of gen. func.: ogf

$$(19\,f(x) + 13)\,(13\,f(x)\,x^{2} - 8\,f(x)\,x + f(x) - 1)$$

Sequence: A153594
Score: 8.08140
Type of gen. func.: ogf

$$\{-a(n + 2) + 8\,a(n + 1) - 13\,a(n),\ a(0) = 1,\ a(1) = 8\}$$

Sequence: A153596
Score: 12.5879
Type of gen. func.: lgdogf

$$-\frac{44\,x - 10}{22\,x^{2} - 10\,x + 1}$$

Sequence: A153596
Score: 14.8250
Type of gen. func.: revogf

$$-\frac{-1 - 10\,x + (12\,x^{2} + 20\,x + 1)^{1/2}}{44\,x}$$

Sequence: A153596
Score: 18.7021
Type of gen. func.: ogf

$$\frac{1}{22\,x^{2} - 10\,x + 1}$$

Sequence: A153596
Score: 20.6491
Type of gen. func.: lgdogf

$$-\frac{2(-5+22x)}{22x^2-10x+1}$$

Sequence: A153596
Score: 7.70085
Type of gen. func.: ogf

$$(14 f(x) + 11)(22 f(x) x^2 - 10 f(x) x + f(x) - 1)$$

Sequence: A153596
Score: 7.70085
Type of gen. func.: ogf

$$\{-a(n+2) + 10 a(n+1) - 22 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A153597
Score: 12.0405
Type of gen. func.: lgdogf

$$-\frac{66x-12}{33x^2-12x+1}$$

Sequence: A153597
Score: 15.7468
Type of gen. func.: revogf

$$-\frac{-1-12x+(12x^2+24x+1)^{1/2}}{66x}$$

Sequence: A153597

Score: 17.8888
Type of gen. func.: ogf

$$\frac{1}{33 x^2 - 12 x + 1}$$

Sequence: A153597
Score: 21.9330
Type of gen. func.: lgdogf

$$-\frac{6 (-2 + 11 x)}{33 x^2 - 12 x + 1}$$

Sequence: A153597
Score: 7.36598
Type of gen. func.: ogf

$$(13 f(x) + 11) (33 f(x) x^2 - 12 f(x) x + f(x) - 1)$$

Sequence: A153597
Score: 7.36598
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 33 a(n), a(0) = 1, a(1) = 12\}$$

Sequence: A153598
Score: 12.6742
Type of gen. func.: lgdogf

$$-\frac{92 x - 14}{46 x^2 - 14 x + 1}$$

Sequence: A153598
Score: 14.7977
Type of gen. func.: revogf

$$-1 - 14 x + (12 x^2 + 28 x + 1)^{1/2}$$

$$-\frac{\qquad}{92\,x}$$

Sequence: A153598
Score: 18.8303
Type of gen. func.: ogf

$$\frac{1}{46\,x^2 - 14\,x + 1}$$

Sequence: A153598
Score: 20.6111
Type of gen. func.: lgdogf

$$-\frac{2\,(-7 + 46\,x)}{46\,x^2 - 14\,x + 1}$$

Sequence: A153598
Score: 7.75366
Type of gen. func.: ogf

$$(26\,f(x) + 23)\,(46\,f(x)\,x^2 - 14\,f(x)\,x + f(x) - 1)$$

Sequence: A153598
Score: 7.75366
Type of gen. func.: ogf

$$\{-a(n + 2) + 14\,a(n + 1) - 46\,a(n),\ a(0) = 1,\ a(1) = 14\}$$

Sequence: A153599
Score: 13.1699
Type of gen. func.: lgdogf

$$-\frac{122\,x - 16}{61\,x^2 - 16\,x + 1}$$

Sequence: A153599
Score: 13.5847
Type of gen. func.: revogf

$$-\frac{-1 - 16 x + (12 x^2 + 32 x + 1)^{1/2}}{122 x}$$

Sequence: A153599
Score: 19.4068
Type of gen. func.: lgdogf

$$-\frac{2 (-8 + 61 x)}{61 x^2 - 16 x + 1}$$

Sequence: A153599
Score: 19.9430
Type of gen. func.: ogf

$$\frac{1}{61 x^2 - 16 x + 1}$$

Sequence: A153599
Score: 8.21182
Type of gen. func.: ogf

$$\{-a(n + 2) + 16 a(n + 1) - 61 a(n), a(0) = 1, a(1) = 16\}$$

Sequence: A153599
Score: 8.21183
Type of gen. func.: ogf

$$(67 f(x) + 61) (61 f(x) x^2 - 16 f(x) x + f(x) - 1)$$

Sequence: A153600
Score: 13.3395
Type of gen. func.: lgdogf

$$-\frac{156 x - 18}{78 x^2 - 18 x + 1}$$

Sequence: A153600
Score: 13.6570
Type of gen. func.: revogf

$$-\frac{-18 x - 1 + (12 x^2 + 36 x + 1)^{1/2}}{156 x}$$

Sequence: A153600
Score: 19.5100
Type of gen. func.: lgdogf

$$-\frac{6 (-3 + 26 x)}{78 x^2 - 18 x + 1}$$

Sequence: A153600
Score: 20.1998
Type of gen. func.: ogf

$$\frac{1}{78 x^2 - 18 x + 1}$$

Sequence: A153600
Score: 8.03401
Type of gen. func.: ogf

$$(979 f(x) + 1937) (78 f(x) x^2 - 18 f(x) x + f(x) - 1)$$

Sequence: A153600
Score: 8.31755
Type of gen. func.: ogf

$$\{-a(n + 2) + 18 a(n + 1) - 78 a(n), a(0) = 1, a(1) = 18\}$$

Sequence: A153642
Score: 11.9238
Type of gen. func.: lgdogf

$$-\frac{2 x^2 - 14 x + 18}{2 x^3 - 11 x^2 + 18 x - 9}$$

Sequence: A153642
Score: 12.8701
Type of gen. func.: ogf

$$-\frac{4 (2 x - 3) (x - 3)}{(x - 1)^3}$$

Sequence: A153642
Score: 23.3998
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 - 7 x + 9)}{(x - 1) (x - 3) (2 x - 3)}$$

Sequence: A153642
Score: 6.81361
Type of gen. func.: ogf

$$(291 f(x) - 22631) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 8 x^2 - f(x) - 36 x + 36)$$

Sequence: A153642
Score: 6.98982
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 36, a(1) = 72, a(2) = 116}

Sequence: A153643
Score: 12.8226

Type of gen. func.: ogf

$$-\frac{5x^2+x-2}{(x-1)(2x-1)(x+1)}$$

Sequence: A153643
Score: 13.0162
Type of gen. func.: lgdogf

$$-\frac{10x^4+4x^3-3x^2-6x+3}{(x-1)(2x-1)(x+1)(5x^2+x-2)}$$

Sequence: A153643
Score: 6.7429
Type of gen. func.: ogf

$$-(2f(x)-13)(2f(x)x^3-f(x)x^2-2f(x)x+5x^2+f(x)+x-2)$$

Sequence: A153643
Score: 6.98372
Type of gen. func.: ogf

$$\{a(n+3)-2a(n+2)-a(n+1)+2a(n), a(0)=2, a(1)=3, a(2)=3\}$$

Sequence: A153643
Score: 7.90078
Type of gen. func.: lgdogf

$$-\frac{-10x^4-4x^3+3x^2+6x-3}{-10x^5+3x^4+15x^3-5x^2-5x+2}$$

Sequence: A153644
Score: 11.8062
Type of gen. func.: lgdogf

2

$$-\frac{5 x - 34 x + 41}{5 x^3 - 27 x^2 + 43 x - 21}$$

Sequence: A153644
Score: 12.7285
Type of gen. func.: ogf

$$-\frac{2 (5 x - 7) (x - 3)}{(x - 1)^3}$$

Sequence: A153644
Score: 17.0516
Type of gen. func.: lgdogf

$$-\frac{5 x^2 - 34 x + 41}{(x - 1) (x - 3) (5 x - 7)}$$

Sequence: A153644
Score: 6.90361
Type of gen. func.: ogf

$$(25 f(x) - 2904) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 10 x^2 - f(x) - 44 x + 42)$$

Sequence: A153644
Score: 7.02263
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 42, a(1) = 82, a(2) = 130\}$$

Sequence: A153647
Score: 14.1660
Type of gen. func.: egf]

$$-\frac{2}{(3 x - 1)^3}$$

```
------------------------------------------------------------------------------

Sequence:  A153647
Score: 15.6273
Type of gen. func.: revegf]


                                       x
                        -------------------------------
                                 1/2               1/2
                        (3 x + 1)    (1 + (3 x + 1)   )



------------------------------------------------------------------------------

Sequence:  A153647
Score: 21.7550
Type of gen. func.: lgdegf]


                                       9
                                    --------
                                    -3 x + 1



------------------------------------------------------------------------------

Sequence:  A153647
Score: 5.80134
Type of gen. func.: egf]


                                3            2
          -(f(x) - 2) (27 f(x) x  - 27 f(x) x  + 9 f(x) x - f(x) + 2)



------------------------------------------------------------------------------

Sequence:  A153647
Score: 51.5702
Type of gen. func.: lgdegf]


                                        9
                                   - -------
                                     3 x - 1



------------------------------------------------------------------------------

Sequence:  A153647
Score: 6.76822
Type of gen. func.: ogf


             {(-3 n - 12) a(n + 1) + a(n + 2), a(0) = 2, a(1) = 18}



------------------------------------------------------------------------------

Sequence:  A153671
Score: 12.6645
Type of gen. func.: lgdogf
```

$$\frac{2\,(380880\,x^{67} + 380880\,x^{66} - 349\,x - 276)}{380880\,x^{66} + 349\,x^{2} - 73\,x - 276}$$

Sequence: A153671
Score: 68.3028
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A153671
Score: 8.32617
Type of gen. func.: ogf

$$-\frac{1600\,x^{67} + 3200\,x^{66} + 51\,x + 40}{4800\,x^{67} - 3200\,x^{66} - 51\,x^{3} + 62\,x^{2} + 29\,x - 40}$$

Sequence: A153671
Score: 8.99899
Type of gen. func.: lgdogf

$$-\frac{-761760\,x^{67} - 761760\,x^{66} + 698\,x + 552}{380880\,x^{66} + 349\,x^{2} - 73\,x - 276}$$

Sequence: A153703
Score: 10.6417
Type of gen. func.: lgdogf

$$-\frac{27\,x^{2} - 6\,x - 13}{9\,x^{3} - 9\,x^{2} - x + 1}$$

Sequence: A153703
Score: 10.8054
Type of gen. func.: ogf

$$\frac{3 x + 1}{(x - 1) (3 x - 1)^{3}}$$

Sequence: A153703
Score: 17.6830
Type of gen. func.: lgdogf

$$-\frac{27 x^{2} - 6 x - 13}{(x - 1) (3 x - 1) (3 x + 1)}$$

Sequence: A153703
Score: 3.45985
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-16 - n) a(n + 3) + (-24 - 9 n) a(n + 2) + (36 + 9 n) a(n + 1), a(0) = 1, a(1) = 13, a(2) = 94, a(3) = 526\}$$

Sequence: A153703
Score: 5.28083
Type of gen. func.: ogf

$$(51912 f(x) + 24917) (27 f(x) x^{4} - 54 f(x) x^{3} + 36 f(x) x^{2} - 10 f(x) x + f(x) - 3 x - 1)$$

Sequence: A153709
Score: 10.3186
Type of gen. func.: lgdogf

$$-\frac{-182 x^{2} - 52 x - 18}{-182 x^{3} - 103 x^{2} - 4 x + 1}$$

Sequence: A153709
Score: 15.5523
Type of gen. func.: revogf

$$\frac{-1 - 11 x + ((5 x + 1) (45 x + 1))}{2 (7 + 26 x)}$$

Sequence: A153709
Score: 15.8073
Type of gen. func.: ogf

$$-\frac{7 x + 1}{(2 x + 1) (13 x - 1)}$$

Sequence: A153709
Score: 16.9990
Type of gen. func.: lgdogf

$$-\frac{2 (91 x^2 + 26 x + 9)}{(7 x + 1) (2 x + 1) (13 x - 1)}$$

Sequence: A153709
Score: 8.25491
Type of gen. func.: ogf

$$(125 f(x) + 37) (26 f(x) x^2 + 11 f(x) x - f(x) + 7 x + 1)$$

Sequence: A153709
Score: 8.74048
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) - 26 a(n), a(0) = 1, a(1) = 18\}$$

Sequence: A153727
Score: 10.3260
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 8 x^3 + 3 x^2 + 4 x + 4}{2 x^5 + 4 x^4 + x^3 - 2 x^2 - 4 x - 1}$$

Sequence: A153727
Score: 13.0433
Type of gen. func.: ogf

$$\{a(n + 3) - a(n), a(0) = 1, a(1) = 4, a(2) = 2\}$$

Sequence: A153727
Score: 13.2172
Type of gen. func.: ogf

$$(f(x) + 7) (f(x) x^3 + 2 x^2 - f(x) + 4 x + 1)$$

Sequence: A153727
Score: 17.3692
Type of gen. func.: lgdogf

$$- \frac{2 x^4 + 8 x^3 + 3 x^2 + 4 x + 4}{(x - 1) (x^2 + x + 1) (2 x^2 + 4 x + 1)}$$

Sequence: A153727
Score: 20.2305
Type of gen. func.: ogf

$$- \frac{2 x^2 + 4 x + 1}{(x - 1) (x^2 + x + 1)}$$

Sequence: A153732
Score: 14.2167
Type of gen. func.: lgdegf]

$$-a(n) + (-n - 1) a(n + 1), a(0) = 3, a(1) = -1$$

Sequence: A153732
Score: 15.9938
Type of gen. func.: lgdegf]

$$2 + \exp(-x)$$

Sequence: A153760
Score: 79.0981
Type of gen. func.: lgdogf

$$-\frac{8}{x-1}$$

Sequence: A153761
Score: 4.36848
Type of gen. func.: ogf

$$3628800 x^{10} / ((x - 1) (1279935820801 x^{11} - 11 x^{10} + 55 x^{9} - 165 x^{8} + 330 x^{7} - 462 x^{6} + 462 x^{5} - 330 x^{4} + 165 x^{3} - 55 x^{2} + 11 x - 1))$$

Sequence: A153772
Score: 11.1876
Type of gen. func.: ogf

$$\frac{5 x^{2} - 1}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A153772
Score: 5.74501
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + a(n + 1) - 2 a(n), a(0) = -1, a(1) = -2, a(2) = 0\}$$

Sequence: A153772
Score: 5.95977
Type of gen. func.: ogf

$$(f(x) + 1) (2 f(x) x^{3} - f(x) x^{2} - 2 f(x) x - 5 x^{2} + f(x) + 1)$$

Sequence: A153772
Score: 7.00765
Type of gen. func.: lgdogf

$$-\frac{-10x^4-4x^2+8x-2}{-10x^5+5x^4+12x^3-6x^2-2x+1}$$

Sequence: A153773
Score: 12.5615
Type of gen. func.: lgdogf

$$-\frac{3x^4+6x^3-7x^2+2}{(x-1)(3x-1)(x+1)(x^2+x-1)}$$

Sequence: A153773
Score: 12.9724
Type of gen. func.: ogf

$$-\frac{x^2+x-1}{(x-1)(3x-1)(x+1)}$$

Sequence: A153773
Score: 6.881
Type of gen. func.: ogf

$$-(7f(x)+5)(3f(x)x^3-f(x)x^2-3f(x)x+x^2+f(x)+x-1)$$

Sequence: A153773
Score: 7.06532
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) - a(n + 1) + 3 a(n), a(0) = 1, a(1) = 2, a(2) = 6}

Sequence: A153773
Score: 8.60126
Type of gen. func.: lgdogf

$$-\frac{-3x^4-6x^3+7x^2-2}{-3x^5-2x^4+7x^3+x^2-4x+1}$$

Sequence: A153774
Score: 12.5111
Type of gen. func.: lgdogf

$$-\frac{6x^4-3x^2-2x+3}{(x-1)(3x-1)(x+1)(2x^2-1)}$$

Sequence: A153774
Score: 14.1190
Type of gen. func.: ogf

$$-\frac{2x^2-1}{(x-1)(3x-1)(x+1)}$$

Sequence: A153774
Score: 7.18557
Type of gen. func.: ogf

$$-(11 f(x)+5)(3 f(x) x^3 - f(x) x^2 - 3 f(x) x + 2 x^2 + f(x) - 1)$$

Sequence: A153774
Score: 7.18558
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) - a(n + 1) + 3 a(n), a(0) = 1, a(1) = 3, a(2) = 8}

Sequence: A153774
Score: 9.14528
Type of gen. func.: lgdogf

$$-6x^4+3x^2+2x-3$$

$$-\frac{}{-6 x^{5}+2 x^{4}+9 x^{3}-3 x^{2}-3 x+1}$$

Sequence: A153780
Score: 11.7759
Type of gen. func.: ogf

$$-\frac{10 x (2 x+1)}{(x-1)^{3}}$$

Sequence: A153780
Score: 14.4746
Type of gen. func.: lgdogf

$$-\frac{-4 x-5}{-2 x^{2}+x+1}$$

Sequence: A153780
Score: 29.7333
Type of gen. func.: lgdogf

$$-\frac{5+4 x}{(2 x+1) (x-1)}$$

Sequence: A153780
Score: 5.98947
Type of gen. func.: ogf

$$-(27 f(x)-260) (f(x) x^{3}-3 f(x) x^{2}+3 f(x) x+20 x^{2}-f(x)+10 x)$$

Sequence: A153780
Score: 6.14850
Type of gen. func.: ogf

$$\{a(n+3)-3 a(n+2)+3 a(n+1)-a(n), a(0)=0, a(1)=10, a(2)=50\}$$

Sequence: A153783
Score: 12.1277
Type of gen. func.: ogf

$$-\frac{3 x (8 x + 1)}{(x - 1)^3}$$

Sequence: A153783
Score: 14.0681
Type of gen. func.: lgdogf

$$-\frac{-16 x - 11}{-8 x^2 + 7 x + 1}$$

Sequence: A153783
Score: 27.6965
Type of gen. func.: lgdogf

$$-\frac{11 + 16 x}{(8 x + 1) (x - 1)}$$

Sequence: A153783
Score: 5.91096
Type of gen. func.: ogf

$$-(3807 f(x) - 33215) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 24 x^2 - f(x) + 3 x)$$

Sequence: A153783
Score: 6.28039
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 3, a(2) = 33\}$$

Sequence: A153784
Score: 12.7414
Type of gen. func.: ogf

$$4 x (4 x + 1)$$

$$- \frac{\quad}{(x - 1)^{3}}$$

Sequence: A153784
Score: 15.3958
Type of gen. func.: lgdogf

$$- \frac{-8 x - 7}{-4 x^{2} + 3 x + 1}$$

Sequence: A153784
Score: 33.0845
Type of gen. func.: lgdogf

$$- \frac{7 + 8 x}{(4 x + 1) (x - 1)}$$

Sequence: A153784
Score: 6.31625
Type of gen. func.: ogf

$$-(175 f(x) - 1116) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 16 x^{2} - f(x) + 4 x)$$

Sequence: A153784
Score: 6.59821
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 4, a(2) = 28\}$$

Sequence: A153785
Score: 12.0645
Type of gen. func.: ogf

$$- \frac{5 x (4 x + 1)}{(x - 1)^{3}}$$

Sequence: A153785
Score: 14.5779
Type of gen. func.: lgdogf

$$-\frac{-8x-7}{-4x^2+3x+1}$$

Sequence: A153785
Score: 29.9456
Type of gen. func.: lgdogf

$$-\frac{7+8x}{(4x+1)(x-1)}$$

Sequence: A153785
Score: 6.0847
Type of gen. func.: ogf

$$-(35 f(x) - 279) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 20 x^2 - f(x) + 5 x)$$

Sequence: A153785
Score: 6.24768
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 5, a(2) = 35\}$$

Sequence: A153786
Score: 12.3171
Type of gen. func.: ogf

$$-\frac{6x(4x+1)}{(x-1)^3}$$

Sequence: A153786
Score: 14.8832
Type of gen. func.: lgdogf

$$-8x - 7$$

$$-\frac{\qquad}{-4 x^2 + 3 x + 1}$$

Sequence: A153786
Score: 31.9729
Type of gen. func.: lgdogf

$$-\frac{7 + 8 x}{(4 x + 1) (x - 1)}$$

Sequence: A153786
Score: 6.10594
Type of gen. func.: ogf

$$-(175 f(x) - 1674) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 24 x^2 - f(x) + 6 x)$$

Sequence: A153786
Score: 6.37852
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 6, a(2) = 42\}$$

Sequence: A153792
Score: 11.9609
Type of gen. func.: ogf

$$-\frac{12 x (2 x + 1)}{(x - 1)^3}$$

Sequence: A153792
Score: 14.7019
Type of gen. func.: lgdogf

$$-\frac{-4 x - 5}{-2 x^2 + x + 1}$$

Sequence: A153792
Score: 31.5809
Type of gen. func.: lgdogf

$$-\frac{5 + 4 x}{(2 x + 1) (x - 1)}$$

Sequence: A153792
Score: 6.13645
Type of gen. func.: ogf

$$-(9 f(x) - 104) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 24 x^2 - f(x) + 12 x)$$

Sequence: A153792
Score: 6.24506
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 12, a(2) = 60}

Sequence: A153793
Score: 12.0225
Type of gen. func.: ogf

$$-\frac{13 x (2 x + 1)}{(x - 1)^3}$$

Sequence: A153793
Score: 14.7777
Type of gen. func.: lgdogf

$$-\frac{-4 x - 5}{-2 x^2 + x + 1}$$

Sequence: A153793
Score: 31.7462
Type of gen. func.: lgdogf

$$5 + 4 x$$

$$-\frac{\qquad}{(2 x + 1) (x - 1)}$$

Sequence: A153793
Score: 6.11491
Type of gen. func.: ogf

$$-(27 f(x) - 338) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 26 x^2 - f(x) + 13 x)$$

Sequence: A153793
Score: 6.27726
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 13, a(2) = 65\}$$

Sequence: A153794
Score: 12.0013
Type of gen. func.: ogf

$$-\frac{4 x (5 x + 1)}{(x - 1)^3}$$

Sequence: A153794
Score: 14.2056
Type of gen. func.: lgdogf

$$-\frac{-10 x - 8}{-5 x^2 + 4 x + 1}$$

Sequence: A153794
Score: 28.5452
Type of gen. func.: lgdogf

$$-\frac{2 (4 + 5 x)}{(5 x + 1) (x - 1)}$$

Sequence: A153794
Score: 5.89896
Type of gen. func.: ogf

$$-(1215 f(x) - 9331) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 20 x^2 - f(x) + 4 x)$$

Sequence: A153794
Score: 6.21496
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 4, a(2) = 32\}$$

Sequence: A153795
Score: 12.3171
Type of gen. func.: ogf

$$- \frac{5 x (5 x + 1)}{(x - 1)^3}$$

Sequence: A153795
Score: 14.5795
Type of gen. func.: lgdogf

$$- \frac{-10 x - 8}{-5 x^2 + 4 x + 1}$$

Sequence: A153795
Score: 29.3085
Type of gen. func.: lgdogf

$$- \frac{2 (4 + 5 x)}{(5 x + 1) (x - 1)}$$

Sequence: A153795
Score: 6.10594
Type of gen. func.: ogf

$$-(972 f(x) - 9331) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 25 x^2 - f(x) + 5 x)$$

Sequence: A153795
Score: 6.37852
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 5, a(2) = 40\}$$

Sequence: A153796
Score: 13.9840
Type of gen. func.: ogf

$$-\frac{6 x (5 x + 1)}{(x - 1)^3}$$

Sequence: A153796
Score: 16.5525
Type of gen. func.: lgdogf

$$-\frac{-10 x - 8}{-5 x^2 + 4 x + 1}$$

Sequence: A153796
Score: 28.7976
Type of gen. func.: lgdogf

$$-\frac{2 (4 + 5 x)}{(5 x + 1) (x - 1)}$$

Sequence: A153796
Score: 6.93226
Type of gen. func.: ogf

$$-(810 f(x) - 9331) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 30 x^2 - f(x) + 6 x)$$

Sequence: A153796
Score: 7.24173

Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 6, a(2) = 48}

Sequence: A153797
Score: 12.1671
Type of gen. func.: ogf

$$-\frac{7 x (5 x + 1)}{(x - 1)^3}$$

Sequence: A153797
Score: 14.4019
Type of gen. func.: lgdogf

$$-\frac{-10 x - 8}{-5 x^2 + 4 x + 1}$$

Sequence: A153797
Score: 28.9492
Type of gen. func.: lgdogf

$$-\frac{2 (4 + 5 x)}{(5 x + 1) (x - 1)}$$

Sequence: A153797
Score: 5.93018
Type of gen. func.: ogf

$$-(4860 f(x) - 65317) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 35 x^2 - f(x) + 7 x)$$

Sequence: A153797
Score: 6.30082
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 7, a(2) = 56}

Sequence: A153808
Score: 12.3553
Type of gen. func.: ogf

$$-\frac{8 x (5 x + 1)}{(x - 1)^3}$$

Sequence: A153808
Score: 14.6246
Type of gen. func.: lgdogf

$$-\frac{-10 x - 8}{-5 x^2 + 4 x + 1}$$

Sequence: A153808
Score: 29.4039
Type of gen. func.: lgdogf

$$-\frac{2 (4 + 5 x)}{(5 x + 1) (x - 1)}$$

Sequence: A153808
Score: 6.02189
Type of gen. func.: ogf

$$-(1215 f(x) - 18662) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 40 x^2 - f(x) + 8 x)$$

Sequence: A153808
Score: 6.39826
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 8, a(2) = 64\}$$

Sequence: A153814
Score: 13.0249
Type of gen. func.: ogf

$$-f(x)\,x^2 + 2\,f(x)\,x - f(x) + 1001$$

Sequence: A153814
Score: 22.4318
Type of gen. func.: ogf

$$\frac{1001}{(x-1)^2}$$

Sequence: A153814
Score: 28.8409
Type of gen. func.: lgdogf

$$\frac{2}{-x+1}$$

Sequence: A153814
Score: 61.6634
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A153814
Score: 9.17665
Type of gen. func.: ogf

$$\{-a(n+2) + 2\,a(n+1) - a(n),\ a(0) = 1001,\ a(1) = 2002\}$$

Sequence: A153819
Score: 10.4983
Type of gen. func.: lgdogf

$$-\frac{8\,x^4 - 30\,x^3 + 52\,x^2 - 48\,x + 17}{(x-1)\,(8\,x^2 - 15\,x + 8)\,(x^2 - 3\,x + 1)}$$

Sequence: A153819
Score: 12.1834
Type of gen. func.: ogf

$$-\frac{2 (8 x^2 - 15 x + 8)}{(x - 1) (x^2 - 3 x + 1)}$$

Sequence: A153819
Score: 6.4441
Type of gen. func.: ogf

$$-(47 f(x) + 384) (f(x) x^3 - 4 f(x) x^2 + 4 f(x) x + 16 x^2 - f(x) - 30 x + 16)$$

Sequence: A153819
Score: 6.78030
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 4 a(n + 1) + a(n), a(0) = 16, a(1) = 34, a(2) = 88\}$$

Sequence: A153819
Score: 7.35599
Type of gen. func.: lgdogf

$$-\frac{8 x^4 - 30 x^3 + 52 x^2 - 48 x + 17}{8 x^5 - 47 x^4 + 100 x^3 - 100 x^2 + 47 x - 8}$$

Sequence: A153848
Score: 11.1821
Type of gen. func.: ogf

$$\frac{21}{(100 x - 1) (x - 1)}$$

Sequence: A153848
Score: 14.3097
Type of gen. func.: lgdogf

$$-\frac{-101 + 200 x}{(100 x - 1) (x - 1)}$$

Sequence: A153848
Score: 4.72133
Type of gen. func.: ogf

$$\{-a(n + 2) + 101 a(n + 1) - 100 a(n), a(0) = 21, a(1) = 2121\}$$

Sequence: A153848
Score: 5.84479
Type of gen. func.: revogf

$$-\frac{-707 x - 147 + (27 x + 7)^{1/2} (121 x + 21)^{1/2} 7^{1/2} 21^{1/2}}{1400 x}$$

Sequence: A153848
Score: 6.44157
Type of gen. func.: ogf

$$(10001 f(x) + 4200) (100 f(x) x^2 - 101 f(x) x + f(x) - 21)$$

Sequence: A153873
Score: 12.6140
Type of gen. func.: lgdogf

$$-\frac{8 x^4 - 30 x^3 + 52 x^2 - 48 x + 17}{(x - 1) (8 x^2 - 15 x + 8) (x^2 - 3 x + 1)}$$

Sequence: A153873
Score: 13.0347
Type of gen. func.: ogf

$$-\frac{8 x^2 - 15 x + 8}{(x - 1) (x^2 - 3 x + 1)}$$

Sequence: A153873
Score: 6.79118
Type of gen. func.: ogf

$$-(47 f(x) + 192) (f(x) x^3 - 4 f(x) x^2 + 4 f(x) x + 8 x^2 - f(x) - 15 x + 8)$$

Sequence: A153873
Score: 7.08905
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 4 a(n + 1) + a(n), a(0) = 8, a(1) = 17, a(2) = 44\}$$

Sequence: A153873
Score: 7.62408
Type of gen. func.: lgdogf

$$-\frac{8 x^4 - 30 x^3 + 52 x^2 - 48 x + 17}{8 x^5 - 47 x^4 + 100 x^3 - 100 x^2 + 47 x - 8}$$

Sequence: A153875
Score: 11.9162
Type of gen. func.: ogf

$$-\frac{3 x (10 x + 1)}{(x - 1)^3}$$

Sequence: A153875
Score: 13.5518
Type of gen. func.: lgdogf

$$-\frac{-20 x - 13}{-10 x^2 + 9 x + 1}$$

Sequence: A153875

Score: 27.2092
Type of gen. func.: lgdogf

$$-\frac{13 + 20 x}{(10 x + 1) (x - 1)}$$

Sequence: A153875
Score: 5.71191
Type of gen. func.: ogf

$$-(24805 f(x) - 265734) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 30 x^2 - f(x) + 3 x)$$

Sequence: A153875
Score: 6.17091
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 3, a(2) = 39\}$$

Sequence: A153881
Score: 10.2972
Type of gen. func.: ogf

$$f(x) (f(x) x - f(x) - 2 x + 1)$$

Sequence: A153881
Score: 16.4199
Type of gen. func.: ogf

$$\frac{2 x - 1}{x - 1}$$

Sequence: A153881
Score: 18.9855
Type of gen. func.: lgdogf

$$\frac{1}{-2 x^2 + 3 x - 1}$$

Sequence: A153881
Score: 28.5061
Type of gen. func.: revogf

$$1/4 + x/4 - \frac{(x^2 - 6 x + 1)^{1/2}}{4}$$

Sequence: A153881
Score: 55.2305
Type of gen. func.: lgdogf

$$- \frac{1}{(2 x - 1) (x - 1)}$$

Sequence: A153881
Score: 8.43800
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1), a(0) = 1, a(1) = -1\}$$

Sequence: A153882
Score: 12.2134
Type of gen. func.: lgdogf

$$- \frac{62 x - 12}{31 x^2 - 12 x + 1}$$

Sequence: A153882
Score: 15.9772
Type of gen. func.: revogf

$$- \frac{-1 - 12 x + (20 x^2 + 24 x + 1)^{1/2}}{62 x}$$

Sequence: A153882
Score: 18.1456
Type of gen. func.: ogf

$$\frac{1}{31 x^2 - 12 x + 1}$$

Sequence: A153882
Score: 22.2540
Type of gen. func.: lgdogf

$$-\frac{2 (-6 + 31 x)}{31 x^2 - 12 x + 1}$$

Sequence: A153882
Score: 7.47171
Type of gen. func.: ogf

$$(41 f(x) + 31) (31 f(x) x^2 - 12 f(x) x + f(x) - 1)$$

Sequence: A153882
Score: 7.47171
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 31 a(n), a(0) = 1, a(1) = 12\}$$

Sequence: A153884
Score: 11.4946
Type of gen. func.: lgdogf

$$-\frac{88 x - 14}{44 x^2 - 14 x + 1}$$

Sequence: A153884
Score: 15.0242
Type of gen. func.: revogf

$$-\frac{-1 - 14 x + (20 x^2 + 28 x + 1)^{1/2}}{88 x}$$

Sequence: A153884
Score: 17.0777
Type of gen. func.: ogf

$$\frac{1}{44 x^2 - 14 x + 1}$$

Sequence: A153884
Score: 20.9266
Type of gen. func.: lgdogf

$$- \frac{2 (-7 + 44 x)}{44 x^2 - 14 x + 1}$$

Sequence: A153884
Score: 7.03201
Type of gen. func.: ogf

$$(27 f(x) + 22) (44 f(x) x^2 - 14 f(x) x + f(x) - 1)$$

Sequence: A153884
Score: 7.03201
Type of gen. func.: ogf

$$\{-a(n + 2) + 14 a(n + 1) - 44 a(n), a(0) = 1, a(1) = 14\}$$

Sequence: A153885
Score: 13.1699
Type of gen. func.: lgdogf

$$- \frac{118 x - 16}{59 x^2 - 16 x + 1}$$

Sequence: A153885

Score: 13.5847
Type of gen. func.: revogf

$$-\frac{-1 - 16 x + (20 x^2 + 32 x + 1)^{1/2}}{118 x}$$

Sequence: A153885
Score: 19.4068
Type of gen. func.: lgdogf

$$-\frac{2 (-8 + 59 x)}{59 x^2 - 16 x + 1}$$

Sequence: A153885
Score: 19.9430
Type of gen. func.: ogf

$$\frac{1}{59 x^2 - 16 x + 1}$$

Sequence: A153885
Score: 8.21182
Type of gen. func.: ogf

$$\{-a(n + 2) + 16 a(n + 1) - 59 a(n), a(0) = 1, a(1) = 16\}$$

Sequence: A153885
Score: 8.21183
Type of gen. func.: ogf

$$(69 f(x) + 59) (59 f(x) x^2 - 16 f(x) x + f(x) - 1)$$

Sequence: A153886
Score: 12.1666
Type of gen. func.: lgdogf

$$-\frac{152 x - 18}{}$$

$$76 x^2 - 18 x + 1$$

Sequence: A153886
Score: 12.3245
Type of gen. func.: revogf

$$-\frac{-18 x - 1 + (20 x^2 + 36 x + 1)^{1/2}}{152 x}$$

Sequence: A153886
Score: 17.6064
Type of gen. func.: lgdogf

$$-\frac{2 (-9 + 76 x)}{76 x^2 - 18 x + 1}$$

Sequence: A153886
Score: 18.4238
Type of gen. func.: ogf

$$\frac{1}{76 x^2 - 18 x + 1}$$

Sequence: A153886
Score: 7.58626
Type of gen. func.: ogf

$$(43 f(x) + 38) (76 f(x) x^2 - 18 f(x) x + f(x) - 1)$$

Sequence: A153886
Score: 7.58626
Type of gen. func.: ogf

$$\{-a(n + 2) + 18 a(n + 1) - 76 a(n), a(0) = 1, a(1) = 18\}$$

Sequence: A153893
Score: 10.9458
Type of gen. func.: lgdogf

$$-\frac{-2 x^2 + 8 x - 5}{-2 x^3 + 7 x^2 - 7 x + 2}$$

Sequence: A153893
Score: 14.6127
Type of gen. func.: revegf]

$$1/2 \ln(2 x + 1) + \operatorname{arctanh}((6 x + 4)^{1/2}) - \operatorname{arctanh}(2)$$

Sequence: A153893
Score: 15.5674
Type of gen. func.: ogf

$$-\frac{x - 2}{(2 x - 1) (x - 1)}$$

Sequence: A153893
Score: 20.1999
Type of gen. func.: lgdogf

$$-\frac{2 x^2 - 8 x + 5}{(x - 1) (x - 2) (2 x - 1)}$$

Sequence: A153893
Score: 8.14574
Type of gen. func.: ogf

$$(7 f(x) + 11) (2 f(x) x^2 - 3 f(x) x + f(x) + x - 2)$$

Sequence: A153893
Score: 8.54310
Type of gen. func.: ogf

```
             {-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 2, a(1) = 5}



------------------------------------------------------------------------------

Sequence:  A153894
Score: 10.1528
Type of gen. func.: lgdogf


                                     2
                                 -6 x  + 16 x - 9
                           - ------------------------
                                 3       2
                             -6 x  + 17 x  - 15 x + 4



------------------------------------------------------------------------------

Sequence:  A153894
Score: 11.2989
Type of gen. func.: revegf]


                                            1/2
       1/2 ln(2 x + 3) + arctanh((10 x + 16)   ) - 1/2 ln(3) - arctanh(4)



------------------------------------------------------------------------------

Sequence:  A153894
Score: 15.1164
Type of gen. func.: ogf


                                     3 x - 4
                              - -----------------
                                (2 x - 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A153894
Score: 18.0172
Type of gen. func.: lgdogf


                                    2
                                 6 x  - 16 x + 9
                         - ---------------------------
                           (x - 1) (3 x - 4) (2 x - 1)



------------------------------------------------------------------------------

Sequence:  A153894
Score: 7.81884
Type of gen. func.: ogf


                                     2
             (11 f(x) + 37) (2 f(x) x  - 3 f(x) x + f(x) + 3 x - 4)
```

Sequence: A153894
Score: 8.29561
Type of gen. func.: ogf

$$\{-a(n+2)+3\,a(n+1)-2\,a(n),\ a(0)=4,\ a(1)=9\}$$

Sequence: A153972
Score: 10.2465
Type of gen. func.: lgdogf

$$-\frac{-26x^2+28x-8}{-26x^3+53x^2-34x+7}$$

Sequence: A153972
Score: 11.047
Type of gen. func.: ogf

$$-2f(x)x^2+3f(x)x-f(x)-13x+7$$

Sequence: A153972
Score: 15.3698
Type of gen. func.: ogf

$$-\frac{13x-7}{(2x-1)(x-1)}$$

Sequence: A153972
Score: 16.5035
Type of gen. func.: revogf

$$-\frac{-7-3x+(x^2-10x+49)^{1/2}}{2(13+2x)}$$

Sequence: A153972
Score: 16.9060
Type of gen. func.: lgdogf

$$-\frac{2\,(13\,x^2 - 14\,x + 4)}{(x - 1)\,(2\,x - 1)\,(13\,x - 7)}$$

Sequence: A153972
Score: 8.62209
Type of gen. func.: ogf

$$\{a(n + 2) - 3\,a(n + 1) + 2\,a(n),\ a(0) = 7,\ a(1) = 8\}$$

Sequence: A153973
Score: 10.2522
Type of gen. func.: lgdogf

$$-\frac{-10\,x^2 + 12\,x - 4}{-10\,x^3 + 21\,x^2 - 14\,x + 3}$$

Sequence: A153973
Score: 10.5101
Type of gen. func.: revegf]

$$1/2\,\ln(2\,x + 15) - \operatorname{arctanh}\left(\frac{(6\,x + 81)^{1/2}}{6}\right) - 1/2\,\ln(15) + \operatorname{arctanh}(3/2)$$

Sequence: A153973
Score: 11.0531
Type of gen. func.: ogf

$$2\,f(x)\,x^2 - 3\,f(x)\,x + f(x) + 15\,x - 9$$

Sequence: A153973
Score: 15.3783
Type of gen. func.: ogf

$$-\frac{3\,(5\,x - 3)}{(2\,x - 1)\,(x - 1)}$$

Sequence: A153973
Score: 18.2544
Type of gen. func.: lgdogf

$$-\frac{2\,(5\,x^2 - 6\,x + 2)}{(x - 1)\,(5\,x - 3)\,(2\,x - 1)}$$

Sequence: A153973
Score: 8.52292
Type of gen. func.: ogf

{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 9, a(1) = 12}

Sequence: A153976
Score: 11.2562
Type of gen. func.: ogf

$$\frac{4\,(2\,x^2 - x + 2)}{(x - 1)^4}$$

Sequence: A153976
Score: 12.1355
Type of gen. func.: lgdogf

$$-\frac{-4\,x^2 - x - 7}{-2\,x^3 + 3\,x^2 - 3\,x + 2}$$

Sequence: A153976
Score: 25.4007
Type of gen. func.: lgdogf

$$-\frac{4\,x^2 + x + 7}{(x - 1)\,(2\,x^2 - x + 2)}$$

Sequence: A153976
Score: 3.86405
Type of gen. func.: ogf

$$\{(2 n + 8) a(n + 4) + (-16 - 3 n) a(n + 3) + (5 + 3 n) a(n + 2) + (-6 - 2 n) a(n + 1), a(0) = 8, a(1) = 28, a(2) = 72, a(3) = 152\}$$

Sequence: A153976
Score: 6.21434
Type of gen. func.: ogf

$$(5 f(x) + 16) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 8 x^2 + f(x) + 4 x - 8)$$

Sequence: A153977
Score: 12.2170
Type of gen. func.: lgdogf

$$- \frac{-6 x^2 - 9}{-2 x^3 + 3 x^2 - 3 x + 2}$$

Sequence: A153977
Score: 23.9524
Type of gen. func.: lgdogf

$$- \frac{3 (2 x^2 + 3)}{(x - 1) (2 x^2 - x + 2)}$$

Sequence: A153977
Score: 3.68350
Type of gen. func.: ogf

$$\{(-2 n - 8) a(n + 4) + (18 + 3 n) a(n + 3) + (-3 n - 6) a(n + 2) + (2 n + 8) a(n + 1), a(0) = 2, a(1) = 9, a(2) = 27, a(3) = 65\}$$

Sequence: A153977
Score: 9.27870
Type of gen. func.: ogf

$$-\frac{2x^2 - x + 2}{(x-1)^5}$$

Sequence: A153978
Score: 10.0143
Type of gen. func.: ogf

$$-\frac{2x(2x+1)}{(x-1)^5}$$

Sequence: A153978
Score: 15.6473
Type of gen. func.: lgdogf

$$-\frac{7 + 8x}{2x^2 - x - 1}$$

Sequence: A153978
Score: 33.6472
Type of gen. func.: lgdogf

$$-\frac{7 + 8x}{(2x+1)(x-1)}$$

Sequence: A153978
Score: 5.00714
Type of gen. func.: ogf

{(n + 2) a(n + 3) + (-6 + n) a(n + 2) + (-2 n - 8) a(n + 1), a(0) = 0, a(1) = 2,

a(2) = 14}

Sequence: A153981
Score: 10.9120
Type of gen. func.: lgdogf

$$-\frac{8x^4 - 30x^3 + 52x^2 - 48x + 17}{(x-1)(8x^2 - 15x + 8)(x^2 - 3x + 1)}$$

Sequence: A153981
Score: 10.9452
Type of gen. func.: ogf

$$-\frac{4(8x^2 - 15x + 8)}{(x-1)(x^2 - 3x + 1)}$$

Sequence: A153981
Score: 5.78918
Type of gen. func.: ogf

$$-(47 f(x) + 768)(f(x) x^3 - 4 f(x) x^2 + 4 f(x) x + 32 x^2 - f(x) - 60 x + 32)$$

Sequence: A153981
Score: 6.03872
Type of gen. func.: ogf

$\{-a(n + 3) + 4 a(n + 2) - 4 a(n + 1) + a(n), a(0) = 32, a(1) = 68, a(2) = 176\}$

Sequence: A153981
Score: 6.60842
Type of gen. func.: lgdogf

$$-\frac{8x^4 - 30x^3 + 52x^2 - 48x + 17}{8x^5 - 47x^4 + 100x^3 - 100x^2 + 47x - 8}$$

Sequence: A153990
Score: 10.6782
Type of gen. func.: ogf

$$-\frac{8 x^5 + 7 x^4 + 4 x^3 + 5 x^2 + 2 x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A154021
Score: 10.3695
Type of gen. func.: lgdogf

$$-\frac{2 x - 16}{x^2 - 16 x + 1}$$

Sequence: A154021
Score: 13.0764
Type of gen. func.: revogf

$$-\frac{-8 x - 2 + (9 x + 2)^{1/2} (2 + 7 x)^{1/2}}{x}$$

Sequence: A154021
Score: 13.6441
Type of gen. func.: ogf

$$\frac{4 x}{x^2 - 16 x + 1}$$

Sequence: A154021
Score: 23.1808
Type of gen. func.: lgdogf

$$-\frac{2 (-8 + x)}{x^2 - 16 x + 1}$$

Sequence: A154021
Score: 6.32289
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1) + a(n), a(0) = 0, a(1) = 4\}$$

Sequence: A154021
Score: 8.6413
Type of gen. func.: ogf

$$-f(x) x^2 + 16 f(x) x - f(x) + 4 x$$

Sequence: A154022
Score: 10.2031
Type of gen. func.: lgdogf

$$-\frac{2 x - 25}{x^2 - 25 x + 1}$$

Sequence: A154022
Score: 10.9095
Type of gen. func.: revogf

$$-\frac{-25 x - 5 + (27 x + 5)^{1/2} (23 x + 5)^{1/2}}{2 x}$$

Sequence: A154022
Score: 13.4252
Type of gen. func.: ogf

$$\frac{5 x}{x^2 - 25 x + 1}$$

Sequence: A154022
Score: 21.8191
Type of gen. func.: lgdogf

$$-\frac{2 x - 25}{x^2 - 25 x + 1}$$

Sequence: A154022
Score: 6.22143
Type of gen. func.: ogf

$$\{a(n + 2) - 25 a(n + 1) + a(n), a(0) = 0, a(1) = 5\}$$

Sequence: A154022
Score: 8.50261
Type of gen. func.: ogf

$$-f(x) x^2 + 25 f(x) x - f(x) + 5 x$$

Sequence: A154023
Score: 11.2013
Type of gen. func.: lgdogf

$$-\frac{2 x - 36}{x^2 - 36 x + 1}$$

Sequence: A154023
Score: 13.1368
Type of gen. func.: revogf

$$-\frac{-3 - 18 x + (19 x + 3)^{1/2} (17 x + 3)^{1/2}}{x}$$

Sequence: A154023
Score: 14.7385
Type of gen. func.: ogf

$$\frac{6 x}{x^2 - 36 x + 1}$$

Sequence: A154023

Score: 23.9889
Type of gen. func.: lgdogf

$$-\frac{2 (-18 + x)}{x^2 - 36 x + 1}$$

Sequence: A154023
Score: 6.83004
Type of gen. func.: ogf

$$\{a(n + 2) - 36 a(n + 1) + a(n), a(0) = 0, a(1) = 6\}$$

Sequence: A154023
Score: 9.33438
Type of gen. func.: ogf

$$-f(x) x^2 + 36 f(x) x - f(x) + 6 x$$

Sequence: A154024
Score: 11.5285
Type of gen. func.: ogf

$$\frac{7 x}{x^2 - 49 x + 1}$$

Sequence: A154024
Score: 18.7029
Type of gen. func.: lgdogf

$$-\frac{-49 + 2 x}{x^2 - 49 x + 1}$$

Sequence: A154024
Score: 5.34249
Type of gen. func.: ogf

$$\{a(n + 2) - 49 a(n + 1) + a(n), a(0) = 0, a(1) = 7\}$$

Sequence: A154024
Score: 7.30139
Type of gen. func.: ogf

$$-f(x) x^2 + 49 f(x) x - f(x) + 7 x$$

Sequence: A154024
Score: 8.76168
Type of gen. func.: lgdogf

$$-\frac{-49 + 2 x}{x^2 - 49 x + 1}$$

Sequence: A154024
Score: 9.35145
Type of gen. func.: revogf

$$-\frac{-49 x - 7 + (51 x + 7)^{1/2} (47 x + 7)^{1/2}}{2 x}$$

Sequence: A154025
Score: 10.8864
Type of gen. func.: lgdogf

$$-\frac{2 x - 64}{x^2 - 64 x + 1}$$

Sequence: A154025
Score: 12.7665
Type of gen. func.: revogf

$$-\frac{-32 x - 4 + (33 x + 4)^{1/2} (31 x + 4)^{1/2}}{x}$$

Sequence: A154025
Score: 14.3242
Type of gen. func.: ogf

$$\frac{8 x}{x^2 - 64 x + 1}$$

Sequence: A154025
Score: 23.3128
Type of gen. func.: lgdogf

$$-\frac{2 (-32 + x)}{x^2 - 64 x + 1}$$

Sequence: A154025
Score: 6.63802
Type of gen. func.: ogf

$$\{a(n + 2) - 64 a(n + 1) + a(n), a(0) = 0, a(1) = 8\}$$

Sequence: A154025
Score: 9.07197
Type of gen. func.: ogf

$$-f(x) x^2 + 64 f(x) x - f(x) + 8 x$$

Sequence: A154026
Score: 11.0904
Type of gen. func.: ogf

$$-f(x) x^2 + 81 f(x) x - f(x) + 9 x$$

Sequence: A154026
Score: 13.3084
Type of gen. func.: lgdogf

$$-\frac{2 x - 81}{}$$

$$x^2 - 81 x + 1$$

Sequence: A154026
Score: 14.2849
Type of gen. func.: revogf

$$-\frac{-9 - 81 x + (83 x + 9)^{1/2} (79 x + 9)^{1/2}}{2 x}$$

Sequence: A154026
Score: 17.5111
Type of gen. func.: ogf

$$\frac{9 x}{x^2 - 81 x + 1}$$

Sequence: A154026
Score: 28.5697
Type of gen. func.: lgdogf

$$-\frac{2 x - 81}{x^2 - 81 x + 1}$$

Sequence: A154026
Score: 8.11490
Type of gen. func.: ogf

$$\{a(n + 2) - 81 a(n + 1) + a(n), a(0) = 0, a(1) = 9\}$$

Sequence: A154027
Score: 11.6244
Type of gen. func.: revogf

$$-\frac{-5 - 50 x + (51 x + 5)^{1/2} (49 x + 5)^{1/2}}{x}$$

Sequence: A154027
Score: 12.4036
Type of gen. func.: ogf

$$\frac{10 x}{x^2 - 100 x + 1}$$

Sequence: A154027
Score: 20.3428
Type of gen. func.: lgdogf

$$-\frac{2 (-50 + x)}{x^2 - 100 x + 1}$$

Sequence: A154027
Score: 5.90646
Type of gen. func.: ogf

$$\{a(n + 2) - 100 a(n + 1) + a(n), a(0) = 0, a(1) = 10\}$$

Sequence: A154027
Score: 8.0023
Type of gen. func.: ogf

$$-f(x) x^2 + 100 f(x) x - f(x) + 10 x$$

Sequence: A154027
Score: 9.54121
Type of gen. func.: lgdogf

$$-\frac{2 x - 100}{x^2 - 100 x + 1}$$

Sequence: A154031
Score: 7.09597
Type of gen. func.: lgdogf

$$\frac{30 x^6 + 28 x^5 + 100 x^4 - 158 x^3 - 143 x^2 + 40 x + 118}{(x - 1) (6 x^6 + 16 x^5 + 60 x^4 + 41 x^3 - 20 x^2 - 63 x - 55)}$$

Sequence: A154031
Score: 8.57322
Type of gen. func.: ogf

$$\frac{6 x^6 + 16 x^5 + 60 x^4 + 41 x^3 - 20 x^2 - 63 x - 55}{x - 1}$$

Sequence: A154032
Score: 6.00901
Type of gen. func.: ogf

$$- \frac{2 x^6 + 2 x^5 + 2 x^4 + 11 x^3 + 12 x^2 + 3 x + 1}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A154033
Score: 9.53191
Type of gen. func.: ogf

$$\frac{6 x^5 + 4 x^4 - 12 x^3 - 21 x^2 - 23 x - 10}{(x - 1) (x + 1)}$$

Sequence: A154034
Score: 6.19567
Type of gen. func.: lgdogf

$$\frac{36 x^7 + 258 x^6 - 116 x^5 - 149 x^4 - 126 x^3 - 207 x^2 + 168 x + 164}{(x - 1) (6 x^7 + 60 x^6 + 61 x^5 + 52 x^4 + 41 x^3 - 84 x^2 - 108 x - 56)}$$

Sequence: A154034

Score: 7.90258
Type of gen. func.: ogf

$$\frac{6x^7+60x^6+61x^5+52x^4+41x^3-84x^2-108x-56}{x-1}$$

Sequence: A154035
Score: 5.14350
Type of gen. func.: lgdogf

$$\frac{5x^6+6x^5+18x^4-16x^3-30x^2-24x+42}{(x-1)(x^6+3x^5+11x^4+14x^3+12x^2-14x-28)}$$

Sequence: A154035
Score: 5.84167
Type of gen. func.: ogf

$$\frac{x^6+3x^5+11x^4+14x^3+12x^2-14x-28}{x-1}$$

Sequence: A154037
Score: 5.07555
Type of gen. func.: ogf

$$\frac{x(6x^9-4x^6+8x^4-15x^3-8x-14)}{(x-1)(x^2+x+1)}$$

Sequence: A154037
Score: 5.66770
Type of gen. func.: lgdogf

$$\frac{36x^{11}-66x^8+8x^6+24x^5-16x^3+87x^2+8}{(x-1)(x^2+x+1)(6x^9-4x^6+8x^4-15x^3-8x-14)}$$

Sequence: A154038
Score: 7.04606
Type of gen. func.: ogf

$$\frac{3x^8+6x^7+12x^6+6x^5+3x^4-13x^3-24x^2-25x-14}{(x-1)(x^2+x+1)}$$

Sequence: A154039
Score: 6.30068
Type of gen. func.: ogf

$$(12x^{10}+276x^9+669x^8+986x^7+492x^6-244x^5-1395x^4-1263x^3-1046x^2-503x-126)\Big/((x-1)(x^2+x+1))$$

Sequence: A154040
Score: 4.38157
Type of gen. func.: ogf

$$\frac{2x^9-2x^8+6x^7-4x^6+7x^5+3x^4-3x^3-2x^2-7x-4}{x-1}$$

Sequence: A154041
Score: 5.10486
Type of gen. func.: ogf

$$\frac{7x^8+x^7+11x^6-4x^5+47x^4-18x^3+44x^2-69x-27}{x-1}$$

Sequence: A154042
Score: 6.80491
Type of gen. func.: ogf

$$(8x^9+373x^8+1017x^7+2759x^6+1216x^5+2595x^4-1098x^3-3812x^2-2563x-715)/(x-1)$$

Sequence: A154044
Score: 6.50422
Type of gen. func.: lgdogf

$$\frac{8 x^{9} - 9 x^{8} + 42 x^{7} + 26 x^{6} - 82 x^{5} + 14 x^{4} - 38 x^{3} + 9 x^{2} + 40}{(x - 1) (x^{9} + 7 x^{7} + 15 x^{6} + 2 x^{5} + 8 x^{4} - 3 x^{3} - 20 x - 20)}$$

Sequence: A154044
Score: 8.16702
Type of gen. func.: ogf

$$\frac{x^{9} + 7 x^{7} + 15 x^{6} + 2 x^{5} + 8 x^{4} - 3 x^{3} - 20 x - 20}{x - 1}$$

Sequence: A154047
Score: 5.25301
Type of gen. func.: ogf

$$(7 x^{11} + 9 x^{10} + 84 x^{9} + 45 x^{8} + 108 x^{7} + 64 x^{6} + 25 x^{5} - 38 x^{4} - 203 x^{3} - 108 x^{2} - 191 x - 42) / ((x - 1) (x + 1) (x^{2} + 1))$$

Sequence: A154048
Score: 5.31502
Type of gen. func.: ogf

$$\frac{4 x^{9} + x^{7} + 2 x^{6} + x^{4} - 5 x^{3} - 3 x^{2} - 6 x - 2}{(x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A154051
Score: 5.93739
Type of gen. func.: ogf

$$(4 x^{10} + 6 x^{9} + 12 x^{8} + 40 x^{7} + 34 x^{6} + 63 x^{5} + 142 x^{4} - 6 x^{3} - x^{2} - 177 x$$

$$- 144)/(x - 1)$$

Sequence: A154053
Score: 4.67877
Type of gen. func.: ogf

$$(18 x^{11} + 3012 x^{10} + 9496 x^{9} + 30456 x^{8} + 102776 x^{7} + 45838 x^{6} + 132219 x^{5} + 30668 x^{4} - 121704 x^{3} - 155537 x^{2} - 68125 x - 11628)/(x - 1)$$

Sequence: A154055
Score: 4.54872
Type of gen. func.: ogf

$$(3 x^{12} + 20 x^{11} + 42 x^{10} + 70 x^{9} + 81 x^{8} + 70 x^{7} + 35 x^{6} - 23 x^{5} - 82 x^{4} - 142 x^{3} - 145 x^{2} - 97 x - 30) \Big/ ((x - 1) (x + 1) (x^{2} + x + 1))$$

Sequence: A154057
Score: 4.85166
Type of gen. func.: ogf

$$(4 x^{13} + 2 x^{12} - 6 x^{11} + 7 x^{10} + 29 x^{9} - 2 x^{8} + 23 x^{7} - 30 x^{6} + 6 x^{5} + 28 x^{4} - 38 x^{3} - 11 x^{2} - 15 x - 10)/(x - 1)$$

Sequence: A154068
Score: 4.29574
Type of gen. func.: ogf

$$\frac{x^{12} - x^{11} + 2 x^{8} - x^{7} + 5 x^{6} - 4 x^{5} + 9 x^{4} - 6 x^{3} + 8 x^{2} - 11 x - 4}{x - 1}$$

Sequence: A154079
Score: 4.34253
Type of gen. func.: ogf

$$(x^{12} + x^{11} + x^{10} + 11 x^9 + 2 x^8 + 9 x^7 + 3 x^6 + 2 x^5 - x^4 - 23 x^3 - 8 x^2 - 23 x - 6) / ((x - 1) (x + 1) (x^2 + 1))$$

Sequence: A154105
Score: 12.2941
Type of gen. func.: lgdogf

$$- \frac{x^2 + 34 x + 37}{x^3 + 15 x^2 - 9 x - 7}$$

Sequence: A154105
Score: 13.2855
Type of gen. func.: ogf

$$- \frac{x^2 + 16 x + 7}{(x - 1)^3}$$

Sequence: A154105
Score: 24.5048
Type of gen. func.: lgdogf

$$- \frac{x^2 + 34 x + 37}{(x - 1) (x^2 + 16 x + 7)}$$

Sequence: A154105
Score: 7.0402
Type of gen. func.: ogf

$$(664 f(x) - 9211) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 16 x + 7)$$

Sequence: A154105
Score: 7.22546
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 7, a(1) = 37, a(2) = 91\}$$

Sequence: A154106
Score: 11.0666
Type of gen. func.: lgdogf

$$- \frac{x^2 + 26 x + 45}{x^3 + 11 x^2 - x - 11}$$

Sequence: A154106
Score: 11.9450
Type of gen. func.: ogf

$$- \frac{(x + 11) (x + 1)}{(x - 1)^3}$$

Sequence: A154106
Score: 22.3568
Type of gen. func.: lgdogf

$$- \frac{x^2 + 26 x + 45}{(x + 11) (x - 1) (x + 1)}$$

Sequence: A154106
Score: 6.0688
Type of gen. func.: ogf

$$(142776 f(x) - 2083865)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 12 x + 11)$$

Sequence: A154106
Score: 6.48734
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 11, a(1) = 45, a(2) = 103\}$$

Sequence: A154117
Score: 13.0880
Type of gen. func.: ogf

$$\frac{3 x^2 - x + 1}{(2 x - 1) (x - 1)}$$

Sequence: A154117
Score: 16.5837
Type of gen. func.: lgdogf

$$- \frac{7 x^2 - 2 x - 2}{(x - 1) (2 x - 1) (3 x^2 - x + 1)}$$

Sequence: A154117
Score: 6.80065
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 7\}$$

Sequence: A154117
Score: 7.45877
Type of gen. func.: ogf

$$(-1 + 2 f(x)) (2 f(x) x^2 - 3 f(x) x - 3 x^2 + f(x) + x - 1)$$

Sequence: A154117
Score: 9.50227
Type of gen. func.: lgdogf

$$- \frac{7 x^2 - 2 x - 2}{6 x^4 - 11 x^3 + 8 x^2 - 4 x + 1}$$

Sequence: A154118
Score: 10.4895
Type of gen. func.: lgdogf

$$-\frac{13 x^2 - 6 x - 2}{10 x^4 - 17 x^3 + 10 x^2 - 4 x + 1}$$

Sequence: A154118
Score: 15.0416
Type of gen. func.: ogf

$$\frac{5 x^2 - x + 1}{(2 x - 1) (x - 1)}$$

Sequence: A154118
Score: 7.81573
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 9\}$$

Sequence: A154118
Score: 7.89311
Type of gen. func.: ogf

$$-(219 f(x) - 251) (2 f(x) x^2 - 3 f(x) x - 5 x^2 + f(x) + x - 1)$$

Sequence: A154127
Score: 11.2973
Type of gen. func.: ogf

$$-\frac{4 x^3 + 3 x^2 + x + 1}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A154127
Score: 6.23609
Type of gen. func.: ogf

$$(2494 f(x) + 3209) (f(x) x^4 - f(x) x^3 + 4 x^3 + f(x) x + 3 x^2 - f(x) + x + 1)$$

Sequence: A154127
Score: 8.15418
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^6 + 3 x^5 - 3 x^3 + 3 x^2 + 3 x + 1)}{(x - 1) (x + 1) (x^2 - x + 1) (4 x^3 + 3 x^2 + x + 1)}$$

Sequence: A154128
Score: 20.6313
Type of gen. func.: lgdogf

$$\frac{25}{-5 x + 1}$$

Sequence: A154128
Score: 48.8954
Type of gen. func.: lgdogf

$$- \frac{25}{-1 + 5 x}$$

Sequence: A154128
Score: 5.53988
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (30 + 5 n) a(n + 1), a(0) = 24, a(1) = 600\}$$

Sequence: A154128
Score: 8.54724
Type of gen. func.: ogf

$$- \frac{24}{(-1 + 5 x)^5}$$

Sequence: A154138
Score: 6.48284
Type of gen. func.: lgdogf

$$-\frac{2x^8+4x^7+x^6-26x^5+x^4+32x^3+15x^2-18x-3}{(x-1)(x^2+2x-1)(x^2-2x-1)(2x^4+2x^3-3x^2-2x-1)}$$

Sequence: A154138
Score: 7.60358
Type of gen. func.: ogf

$$\frac{2x^4+2x^3-3x^2-2x-1}{(x-1)(x^2+2x-1)(x^2-2x-1)}$$

Sequence: A154139
Score: 6.97031
Type of gen. func.: lgdogf

$$-\frac{2x^7+17x^6-24x^5-63x^4+58x^3+87x^2-60x-9}{(x-1)(x^2+2x-1)(x^2-2x-1)(x^3+6x^2-3x-6)}$$

Sequence: A154139
Score: 7.94531
Type of gen. func.: ogf

$$\frac{x(x^3+6x^2-3x-6)}{(x-1)(x^2+2x-1)(x^2-2x-1)}$$

Sequence: A154140
Score: 8.33843
Type of gen. func.: ogf

$$3x^4+2x^3-3x^2-2x-2$$

$$\frac{\quad}{(x-1)(x^2+2x-1)(x^2-2x-1)}$$

Sequence: A154141
Score: 8.37500
Type of gen. func.: ogf

$$\frac{2x^4+6x^3-3x^2-6x-1}{(x-1)(x^2+2x-1)(x^2-2x-1)}$$

Sequence: A154142
Score: 8.55907
Type of gen. func.: ogf

$$\frac{x(x^3+10x^2-3x-10)}{(x-1)(x^2+2x-1)(x^2-2x-1)}$$

Sequence: A154143
Score: 8.41157
Type of gen. func.: ogf

$$\frac{4x^4+2x^3-3x^2-2x-3}{(x-1)(x^2+2x-1)(x^2-2x-1)}$$

Sequence: A154144
Score: 8.48471
Type of gen. func.: ogf

$$\frac{3x^4+6x^3-3x^2-6x-2}{(x-1)(x^2+2x-1)(x^2-2x-1)}$$

Sequence: A154145
Score: 5.92191
Type of gen. func.: ogf

$$\frac{2x^8+3x^7+2x^6+5x^5-3x^4-5x^3-2x^2-3x-1}{(x-1)(x^4+2x^2-1)(x^4-2x^2-1)}$$

Sequence: A154146
Score: 5.13393
Type of gen. func.: ogf

$$\frac{x(x^3+14x^2-3x-14)}{(x-1)(x^2+2x-1)(x^2-2x-1)}$$

Sequence: A154147
Score: 8.00186
Type of gen. func.: ogf

$$\frac{4x^4+6x^3-3x^2-6x-3}{(x-1)(x^2+2x-1)(x^2-2x-1)}$$

Sequence: A154148
Score: 3.83325
Type of gen. func.: ogf

$$\frac{6x^4+2x^3-3x^2-2x-5}{(x-1)(x^2+2x-1)(x^2-2x-1)}$$

Sequence: A154149
Score: 7.90429
Type of gen. func.: ogf

$$\frac{3x^4+10x^3-3x^2-10x-2}{(x-1)(x^2+2x-1)(x^2-2x-1)}$$

Sequence: A154150
Score: 3.78408
Type of gen. func.: ogf

$$\frac{2 x^4 + 14 x^3 - 3 x^2 - 14 x - 1}{(x - 1) (x^2 + 2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A154151
Score: 8.21474
Type of gen. func.: ogf

$$\frac{x (x^3 + 18 x^2 - 3 x - 18)}{(x - 1) (x^2 + 2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A154152
Score: 8.07428
Type of gen. func.: ogf

$$\frac{5 x^4 + 6 x^3 - 3 x^2 - 6 x - 4}{(x - 1) (x^2 + 2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A154153
Score: 3.86546
Type of gen. func.: ogf

$$\frac{7 x^4 + 2 x^3 - 3 x^2 - 2 x - 6}{(x - 1) (x^2 + 2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A154154
Score: 3.44035
Type of gen. func.: ogf

$$\frac{4 x^4 + 10 x^3 - 3 x^2 - 10 x - 3}{(x - 1) (x^2 + 2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A154222
Score: 5.30265
Type of gen. func.: ogf

$$-(f(x) + 1) (4 f(x) x^4 - 12 f(x) x^3 - x^4 + 13 f(x) x^2 + 2 x^3 - 6 f(x) x - 5 x^2 + f(x) + 4 x - 1)$$

Sequence: A154222
Score: 7.27910
Type of gen. func.: lgdogf

$$- \frac{-2 x^4 - 10 x^3 + 18 x^2 - 10 x + 2}{-2 x^6 + 7 x^5 - 17 x^4 + 25 x^3 - 19 x^2 + 7 x - 1}$$

Sequence: A154222
Score: 9.20346
Type of gen. func.: ogf

$$\frac{x^4 - 2 x^3 + 5 x^2 - 4 x + 1}{(2 x - 1)^2 (x - 1)^2}$$

Sequence: A154222
Score: 9.94197
Type of gen. func.: lgdogf

$$- \frac{2 (x^4 + 5 x^3 - 9 x^2 + 5 x - 1)}{(x - 1) (2 x - 1) (x^4 - 2 x^3 + 5 x^2 - 4 x + 1)}$$

Sequence: A154223
Score: 8.70197
Type of gen. func.: ogf

$$(x^2 + x - 1) (x^4 - 2 x^3 + 2 x^2 + x - 1)$$

$$\frac{}{(x + 1) (2 x - 1) (2 x^2 - 1) (x - 1)^2}$$

Sequence: A154235
Score: 11.3239
Type of gen. func.: lgdogf

$$- \frac{20 x - 8}{10 x^2 - 8 x + 1}$$

Sequence: A154235
Score: 14.5845
Type of gen. func.: revogf

$$- \frac{-1 - 8 x + (24 x^2 + 16 x + 1)^{1/2}}{20 x}$$

Sequence: A154235
Score: 16.6527
Type of gen. func.: ogf

$$\frac{1}{10 x^2 - 8 x + 1}$$

Sequence: A154235
Score: 21.3158
Type of gen. func.: lgdogf

$$- \frac{4 (-2 + 5 x)}{10 x^2 - 8 x + 1}$$

Sequence: A154235
Score: 6.82160
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A154235
Score: 6.82161
Type of gen. func.: ogf

$$(11 f(x) + 5) (10 f(x) x^2 - 8 f(x) x + f(x) - 1)$$

Sequence: A154236
Score: 11.6949
Type of gen. func.: lgdogf

$$- \frac{38 x - 10}{19 x^2 - 10 x + 1}$$

Sequence: A154236
Score: 15.2859
Type of gen. func.: revogf

$$- \frac{-1 - 10 x + (24 x^2 + 20 x + 1)^{1/2}}{38 x}$$

Sequence: A154236
Score: 17.3752
Type of gen. func.: ogf

$$\frac{1}{19 x^2 - 10 x + 1}$$

Sequence: A154236
Score: 21.2911
Type of gen. func.: lgdogf

$$- \frac{2 (-5 + 19 x)}{19 x^2 - 10 x + 1}$$

Sequence: A154236
Score: 7.15451
Type of gen. func.: ogf

$$(31 f(x) + 19) (19 f(x) x^2 - 10 f(x) x + f(x) - 1)$$

Sequence: A154236
Score: 7.15451
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 19 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A154237
Score: 12.3286
Type of gen. func.: lgdogf

$$-\frac{60 x - 12}{30 x^2 - 12 x + 1}$$

Sequence: A154237
Score: 16.1309
Type of gen. func.: revogf

$$-\frac{-1 - 12 x + (24 x^2 + 24 x + 1)^{1/2}}{60 x}$$

Sequence: A154237
Score: 18.3167
Type of gen. func.: ogf

$$\frac{1}{30 x^2 - 12 x + 1}$$

Sequence: A154237
Score: 22.4680
Type of gen. func.: lgdogf

$$-\frac{12(-1+5x)}{30x^2-12x+1}$$

Sequence: A154237
Score: 7.36881
Type of gen. func.: ogf

$$(241 f(x) + 335) (30 f(x) x^2 - 12 f(x) x + f(x) - 1)$$

Sequence: A154237
Score: 7.54219
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 30 a(n), a(0) = 1, a(1) = 12\}$$

Sequence: A154239
Score: 11.6079
Type of gen. func.: lgdogf

$$-\frac{86x-14}{43x^2-14x+1}$$

Sequence: A154239
Score: 15.1752
Type of gen. func.: revogf

$$-\frac{-1-14x+(24x^2+28x+1)^{1/2}}{86x}$$

Sequence: A154239
Score: 17.2460
Type of gen. func.: ogf

$$\frac{1}{43x^2-14x+1}$$

Sequence: A154239
Score: 21.1369
Type of gen. func.: lgdogf

$$-\frac{2(-7+43x)}{43x^2-14x+1}$$

Sequence: A154239
Score: 7.10129
Type of gen. func.: ogf

$$(55 f(x) + 43) (43 f(x) x^2 - 14 f(x) x + f(x) - 1)$$

Sequence: A154239
Score: 7.10129
Type of gen. func.: ogf

$$\{-a(n + 2) + 14 a(n + 1) - 43 a(n), a(0) = 1, a(1) = 14\}$$

Sequence: A154240
Score: 10.4708
Type of gen. func.: lgdogf

$$-\frac{116x-16}{58x^2-16x+1}$$

Sequence: A154240
Score: 13.5847
Type of gen. func.: revogf

$$-\frac{-1-16x+(24x^2+32x+1)^{1/2}}{116x}$$

Sequence: A154240
Score: 15.8557
Type of gen. func.: ogf

$$\frac{1}{58 x^2 - 16 x + 1}$$

Sequence: A154240
Score: 19.4068
Type of gen. func.: lgdogf

$$- \frac{4 (-4 + 29 x)}{58 x^2 - 16 x + 1}$$

Sequence: A154240
Score: 6.52884
Type of gen. func.: ogf

$$(35 f(x) + 29) (58 f(x) x^2 - 16 f(x) x + f(x) - 1)$$

Sequence: A154240
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 16 a(n + 1) - 58 a(n), a(0) = 1, a(1) = 16\}$$

Sequence: A154241
Score: 12.3953
Type of gen. func.: revogf

$$- \frac{-18 x - 1 + (24 x^2 + 36 x + 1)^{1/2}}{150 x}$$

Sequence: A154241
Score: 14.4899
Type of gen. func.: ogf

$$\frac{1}{75 x^2 - 18 x + 1}$$

Sequence: A154241
Score: 17.7076
Type of gen. func.: lgdogf

$$-\frac{6 (-3 + 25 x)}{75 x^2 - 18 x + 1}$$

Sequence: A154241
Score: 5.96641
Type of gen. func.: ogf

$$(29 f(x) + 25) (75 f(x) x^2 - 18 f(x) x + f(x) - 1)$$

Sequence: A154241
Score: 5.96641
Type of gen. func.: ogf

$$\{-a(n + 2) + 18 a(n + 1) - 75 a(n), a(0) = 1, a(1) = 18\}$$

Sequence: A154241
Score: 9.56877
Type of gen. func.: lgdogf

$$-\frac{150 x - 18}{75 x^2 - 18 x + 1}$$

Sequence: A154244
Score: 12.3684
Type of gen. func.: lgdogf

$$-\frac{4 x - 6}{2 x^2 - 6 x + 1}$$

Sequence: A154244

Score: 15.7163
Type of gen. func.: revogf

$$-\frac{-1 - 6 x + (28 x^2 + 12 x + 1)^{1/2}}{4 x}$$

Sequence: A154244
Score: 17.9903
Type of gen. func.: ogf

$$\frac{1}{2 x^2 - 6 x + 1}$$

Sequence: A154244
Score: 23.2601
Type of gen. func.: lgdogf

$$-\frac{2 (2 x - 3)}{2 x^2 - 6 x + 1}$$

Sequence: A154244
Score: 7.06764
Type of gen. func.: ogf

$$(271 f(x) + 53) (2 f(x) x^2 - 6 f(x) x + f(x) - 1)$$

Sequence: A154244
Score: 7.24001
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A154245
Score: 11.6772
Type of gen. func.: lgdogf

$$-\frac{18 x - 8}{}$$

$$9 x^2 - 8 x + 1$$

Sequence: A154245
Score: 12.4489
Type of gen. func.: revogf

$$- \frac{-8 x - 1 + (2 x + 1)^{1/2} (1 + 14 x)^{1/2}}{18 x}$$

Sequence: A154245
Score: 17.3389
Type of gen. func.: ogf

$$\frac{1}{9 x^2 - 8 x + 1}$$

Sequence: A154245
Score: 22.4081
Type of gen. func.: lgdogf

$$- \frac{2 (-4 + 9 x)}{9 x^2 - 8 x + 1}$$

Sequence: A154245
Score: 6.97785
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 9 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A154245
Score: 6.97786
Type of gen. func.: ogf

$$(23 f(x) + 9) (9 f(x) x^2 - 8 f(x) x + f(x) - 1)$$

Sequence: A154246
Score: 11.7525
Type of gen. func.: lgdogf

$$-\frac{36 x - 10}{18 x^2 - 10 x + 1}$$

Sequence: A154246
Score: 15.3627
Type of gen. func.: revogf

$$-\frac{-1 - 10 x + (28 x^2 + 20 x + 1)^{1/2}}{36 x}$$

Sequence: A154246
Score: 17.4608
Type of gen. func.: ogf

$$\frac{1}{18 x^2 - 10 x + 1}$$

Sequence: A154246
Score: 21.3981
Type of gen. func.: lgdogf

$$-\frac{2 (-5 + 18 x)}{18 x^2 - 10 x + 1}$$

Sequence: A154246
Score: 6.86662
Type of gen. func.: ogf

$$(1231 f(x) + 1269) (18 f(x) x^2 - 10 f(x) x + f(x) - 1)$$

Sequence: A154246
Score: 7.18975

Type of gen. func.: ogf

$$\{-a(n+2) + 10\,a(n+1) - 18\,a(n),\ a(0) = 1,\ a(1) = 10\}$$

Sequence: A154247
Score: 11.1549
Type of gen. func.: lgdogf

$$-\frac{58x - 12}{29x^2 - 12x + 1}$$

Sequence: A154247
Score: 14.5712
Type of gen. func.: revogf

$$-\frac{-1 - 12x + (28x^2 + 24x + 1)^{1/2}}{58x}$$

Sequence: A154247
Score: 16.5730
Type of gen. func.: ogf

$$\frac{1}{29x^2 - 12x + 1}$$

Sequence: A154247
Score: 20.2956
Type of gen. func.: lgdogf

$$-\frac{2(-6 + 29x)}{29x^2 - 12x + 1}$$

Sequence: A154247
Score: 6.82417
Type of gen. func.: ogf

2

$$(43 f(x) + 29) (29 f(x) x - 12 f(x) x + f(x) - 1)$$

Sequence: A154247
Score: 6.82418
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 29 a(n), a(0) = 1, a(1) = 12\}$$

Sequence: A154248
Score: 10.6166
Type of gen. func.: lgdogf

$$-\frac{84 x - 14}{42 x^2 - 14 x + 1}$$

Sequence: A154248
Score: 13.8590
Type of gen. func.: revogf

$$-\frac{-1 - 14 x + (28 x^2 + 28 x + 1)^{1/2}}{84 x}$$

Sequence: A154248
Score: 15.7732
Type of gen. func.: ogf

$$\frac{1}{42 x^2 - 14 x + 1}$$

Sequence: A154248
Score: 20.0185
Type of gen. func.: lgdogf

$$-\frac{14 (6 x - 1)}{42 x^2 - 14 x + 1}$$

Sequence: A154248
Score: 6.41931
Type of gen. func.: ogf

$$(79 f(x) + 117) (42 f(x) x^2 - 14 f(x) x + f(x) - 1)$$

Sequence: A154248
Score: 6.49484
Type of gen. func.: ogf

$$\{-a(n + 2) + 14 a(n + 1) - 42 a(n), a(0) = 1, a(1) = 14\}$$

Sequence: A154249
Score: 10.4708
Type of gen. func.: lgdogf

$$-\frac{114 x - 16}{57 x^2 - 16 x + 1}$$

Sequence: A154249
Score: 13.5847
Type of gen. func.: revogf

$$-\frac{-1 - 16 x + (28 x^2 + 32 x + 1)^{1/2}}{114 x}$$

Sequence: A154249
Score: 15.8557
Type of gen. func.: ogf

$$\frac{1}{57 x^2 - 16 x + 1}$$

Sequence: A154249
Score: 19.4068
Type of gen. func.: lgdogf

$$-\frac{2(-8+57x)}{57x^2-16x+1}$$

Sequence: A154249
Score: 6.52884
Type of gen. func.: ogf

$$(71 f(x) + 57) (57 f(x) x^2 - 16 f(x) x + f(x) - 1)$$

Sequence: A154249
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 16 a(n + 1) - 57 a(n), a(0) = 1, a(1) = 16\}$$

Sequence: A154250
Score: 12.4661
Type of gen. func.: revogf

$$-\frac{-18x - 1 + (28x^2 + 36x + 1)^{1/2}}{148x}$$

Sequence: A154250
Score: 14.5708
Type of gen. func.: ogf

$$\frac{1}{74x^2 - 18x + 1}$$

Sequence: A154250
Score: 5.99974
Type of gen. func.: ogf

$$\{-a(n + 2) + 18 a(n + 1) - 74 a(n), a(0) = 1, a(1) = 18\}$$

Sequence: A154250
Score: 5.99975
Type of gen. func.: ogf

$$(44 f(x) + 37) (74 f(x) x^2 - 18 f(x) x + f(x) - 1)$$

Sequence: A154250
Score: 9.62223
Type of gen. func.: lgdogf

$$-\frac{148 x - 18}{74 x^2 - 18 x + 1}$$

Sequence: A154251
Score: 12.7064
Type of gen. func.: ogf

$$\frac{7 x^2 - x + 1}{(2 x - 1) (x - 1)}$$

Sequence: A154251
Score: 14.9962
Type of gen. func.: lgdogf

$$-\frac{19 x^2 - 10 x - 2}{(x - 1) (2 x - 1) (7 x^2 - x + 1)}$$

Sequence: A154251
Score: 6.53823
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 11\}$$

Sequence: A154251
Score: 7.24126
Type of gen. func.: ogf

$$(-3 + 4 f(x)) (2 f(x) x^2 - 3 f(x) x - 7 x^2 + f(x) + x - 1)$$

Sequence: A154251
Score: 8.74595
Type of gen. func.: lgdogf

$$- \frac{19 x^2 - 10 x - 2}{14 x^4 - 23 x^3 + 12 x^2 - 4 x + 1}$$

Sequence: A154252
Score: 10.0371
Type of gen. func.: lgdogf

$$- \frac{22 x^2 - 12 x - 2}{16 x^4 - 26 x^3 + 13 x^2 - 4 x + 1}$$

Sequence: A154252
Score: 14.5823
Type of gen. func.: ogf

$$\frac{8 x^2 - x + 1}{(2 x - 1) (x - 1)}$$

Sequence: A154252
Score: 7.50350
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 12\}$$

Sequence: A154252
Score: 7.80666
Type of gen. func.: ogf

$$-(51 f(x) - 53) (2 f(x) x^2 - 3 f(x) x - 8 x^2 + f(x) + x - 1)$$

Sequence: A154254
Score: 11.6155
Type of gen. func.: lgdogf

$$-\frac{-19 x^2 - 32 x - 3}{-19 x^3 + 22 x^2 - 5 x + 2}$$

Sequence: A154254
Score: 12.7395
Type of gen. func.: ogf

$$-\frac{19 x^2 - 3 x + 2}{(x - 1)^3}$$

Sequence: A154254
Score: 20.9407
Type of gen. func.: lgdogf

$$-\frac{19 x^2 + 32 x + 3}{(x - 1) (19 x^2 - 3 x + 2)}$$

Sequence: A154254
Score: 6.42156
Type of gen. func.: ogf

(315900 f(x) - 1792567)

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 19 x^2 - f(x) - 3 x + 2)$$

Sequence: A154254
Score: 6.98984
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2, a(1) = 3, a(2) = 22\}$

Sequence: A154260
Score: 10.7877
Type of gen. func.: lgdogf

$$-\frac{-21 x^3 - 15 x^2 - 51 x - 9}{-7 x^4 - 2 x^3 + 2 x + 7}$$

Sequence: A154260
Score: 16.2748
Type of gen. func.: lgdogf

$$-\frac{3 (7 x^3 + 5 x^2 + 17 x + 3)}{(x - 1) (x + 1) (7 x^2 + 2 x + 7)}$$

Sequence: A154260
Score: 9.98865
Type of gen. func.: ogf

$$-\frac{x (7 x^2 + 2 x + 7)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A154262
Score: 11.3926
Type of gen. func.: lgdogf

$$-\frac{-22 x^2 - 30 x - 2}{-22 x^3 + 29 x^2 - 10 x + 3}$$

Sequence: A154262
Score: 12.6789
Type of gen. func.: ogf

$$-\frac{22 x^2 - 7 x + 3}{}$$

$$(x - 1)^3$$

Sequence: A154262
Score: 19.7704
Type of gen. func.: lgdogf

$$-\frac{2 (11 x^2 + 15 x + 1)}{(x - 1) (22 x^2 - 7 x + 3)}$$

Sequence: A154262
Score: 6.18969
Type of gen. func.: ogf

$$-(257580 f(x) - 1551221)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 22 x^2 - f(x) - 7 x + 3)$$

Sequence: A154262
Score: 6.95656
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3, a(1) = 2, a(2) = 19\}$$

Sequence: A154266
Score: 16.9255
Type of gen. func.: lgdogf

$$-\frac{5 x + 13}{5 x^2 - x - 4}$$

Sequence: A154266
Score: 17.6457
Type of gen. func.: ogf

$$\frac{3 (4 + 5 x)}{(x - 1)^2}$$

Sequence: A154266
Score: 26.2484
Type of gen. func.: revogf

$$-\frac{-6 - x + 3 (4 + 3 x)^{1/2}}{-15 + x}$$

Sequence: A154266
Score: 35.3783
Type of gen. func.: lgdogf

$$-\frac{5 x + 13}{(4 + 5 x) (x - 1)}$$

Sequence: A154266
Score: 9.42442
Type of gen. func.: ogf

$$(6 f(x) + 97) (f(x) x^2 - 2 f(x) x + f(x) - 15 x - 12)$$

Sequence: A154266
Score: 9.87319
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 12, a(1) = 39\}$$

Sequence: A154267
Score: 16.9255
Type of gen. func.: lgdogf

$$-\frac{4 x + 14}{4 x^2 + x - 5}$$

Sequence: A154267
Score: 17.6457
Type of gen. func.: ogf

$$\frac{3\,(5 + 4\,x)}{(x - 1)^2}$$

Sequence: A154267
Score: 20.3425
Type of gen. func.: revogf

$$-\frac{-15 - 2\,x + 3\,(25 + 12\,x)^{1/2}}{2\,(-12 + x)}$$

Sequence: A154267
Score: 33.9042
Type of gen. func.: lgdogf

$$-\frac{2\,(7 + 2\,x)}{(5 + 4\,x)\,(x - 1)}$$

Sequence: A154267
Score: 9.42442
Type of gen. func.: ogf

$$(3\,f(x) + 53)\,(f(x)\,x^2 - 2\,f(x)\,x + f(x) - 12\,x - 15)$$

Sequence: A154267
Score: 9.87319
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\,a(n + 1) - a(n),\ a(0) = 15,\ a(1) = 42\}$$

Sequence: A154272
Score: 12.6497
Type of gen. func.: lgdogf

$$\frac{2\,x}{x^2 + 1}$$

Sequence: A154272
Score: 14.5879
Type of gen. func.: revegf]

$$\frac{(3 x + (9 x^2 + 8)^{1/2})^{(2/3)} - 2}{(3 x + (9 x^2 + 8)^{1/2})^{1/3}}$$

Sequence: A154272
Score: 14.6899
Type of gen. func.: ogf

$$x^2 + 1 - f(x)$$

Sequence: A154272
Score: 18.1732
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^3 + x]$$

Sequence: A154272
Score: 7.46538
Type of gen. func.: ogf

{a(n + 3), a(0) = 1, a(1) = 0, a(2) = 1}

Sequence: A154272
Score: 78.2439
Type of gen. func.: lgdogf

$$\frac{2 x}{x^2 + 1}$$

Sequence: A154277
Score: 11.0814
Type of gen. func.: ogf

$$-\frac{170 x^2 - 25 x + 17}{(x - 1)^3}$$

Sequence: A154277
Score: 16.0444
Type of gen. func.: lgdogf

$$-\frac{2 (85 x^2 + 145 x + 13)}{(x - 1) (170 x^2 - 25 x + 17)}$$

Sequence: A154277
Score: 5.80877
Type of gen. func.: ogf

$$(11748 f(x) - 600901)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 170 x^2 - f(x) - 25 x + 17)$$

Sequence: A154277
Score: 6.20938
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 17, a(1) = 26, a(2) = 197\}$

Sequence: A154277
Score: 9.60384
Type of gen. func.: lgdogf

$$-\frac{-170 x^2 - 290 x - 26}{-170 x^3 + 195 x^2 - 42 x + 17}$$

Sequence: A154281
Score: 10.1257
Type of gen. func.: revogf

$$\mathrm{hypergeom}\left(\left[-\frac{1}{24}, 5/24\right], [2/3], -\frac{256 x^3}{27}\right) x \ \mathrm{hypergeom}\left(\left[7/24, \frac{13}{24}\right], [4/3], -\frac{256 x^3}{27}\right)$$

Sequence: A154281
Score: 12.6497
Type of gen. func.: lgdogf

$$\frac{3 x^2}{x^3 + 1}$$

Sequence: A154281
Score: 14.6899
Type of gen. func.: ogf

$$x^3 + 1 - f(x)$$

Sequence: A154281
Score: 18.1732
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^2$$

Sequence: A154281
Score: 40.9849
Type of gen. func.: lgdogf

$$\frac{3 x^2}{(x + 1) (x^2 - x + 1)}$$

Sequence: A154281
Score: 6.32483
Type of gen. func.: ogf

$$\{a(n + 4), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 1\}$$

Sequence: A154286
Score: 12.6334
Type of gen. func.: ogf

$$-\frac{5}{(x-1)^5}$$

Sequence: A154286
Score: 26.6204
Type of gen. func.: lgdogf

$$\frac{5}{-x+1}$$

Sequence: A154286
Score: 56.8856
Type of gen. func.: ogf_with_Euler_transform]

[5]

Sequence: A154286
Score: 7.09878
Type of gen. func.: ogf

$$\{(-n-2)\,a(n+2)+(6+n)\,a(n+1),\ a(0)=5,\ a(1)=25\}$$

Sequence: A154286
Score: 79.9827
Type of gen. func.: lgdogf

$$-\frac{5}{x-1}$$

Sequence: A154292
Score: 10.2259
Type of gen. func.: ogf

$$-\frac{11x^2+2x+11}{(x+1)^2(x-1)^3}$$

Sequence: A154292
Score: 10.3570
Type of gen. func.: lgdogf

$$-\frac{-33x^3-19x^2-79x-13}{-11x^4-2x^3+2x+11}$$

Sequence: A154292
Score: 15.2409
Type of gen. func.: lgdogf

$$-\frac{33x^3+19x^2+79x+13}{(x-1)(x+1)(11x^2+2x+11)}$$

Sequence: A154293
Score: 10.6735
Type of gen. func.: lgdogf

$$-\frac{3x^6+12x^5-14x^4+26x^3+5x^2-2x+6}{(x-1)(x^2+4x+1)(x^2-x+1)(x^2+1)}$$

Sequence: A154293
Score: 7.37798
Type of gen. func.: ogf

$$-\frac{x(x^2+4x+1)(x^2-x+1)}{(x^2+1)^2(x-1)^3}$$

Sequence: A154295

Score: 11.4994
Type of gen. func.: ogf

$$-\frac{197 x^2 - 61 x + 26}{(x - 1)^3}$$

Sequence: A154295
Score: 17.0469
Type of gen. func.: lgdogf

$$-\frac{197 x^2 + 272 x + 17}{(x - 1) (197 x^2 - 61 x + 26)}$$

Sequence: A154295
Score: 5.97968
Type of gen. func.: ogf

$$-(564 f(x) - 30559)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 197 x^2 - f(x) - 61 x + 26)$$

Sequence: A154295
Score: 6.44362
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 26, a(1) = 17, a(2) = 170\}$

Sequence: A154295
Score: 9.96613
Type of gen. func.: lgdogf

$$-\frac{-197 x^2 - 272 x - 17}{-197 x^3 + 258 x^2 - 87 x + 26}$$

Sequence: A154306
Score: 5.14175

Type of gen. func.: egf]

$$-\frac{27 x^3 + 67 x^2 + 25 x + 1}{(x - 1)^7}$$

Sequence: A154306
Score: 6.10230
Type of gen. func.: lgdegf]

$$-\frac{108 x^3 + 416 x^2 + 284 x + 32}{27 x^4 + 40 x^3 - 42 x^2 - 24 x - 1}$$

Sequence: A154306
Score: 9.89048
Type of gen. func.: lgdegf]

$$-\frac{4 (27 x^3 + 104 x^2 + 71 x + 8)}{(x - 1) (27 x^3 + 67 x^2 + 25 x + 1)}$$

Sequence: A154307
Score: 7.00444
Type of gen. func.: lgdegf]

$$-\frac{10 (128 x^4 + 595 x^3 + 618 x^2 + 163 x + 8)}{(x - 1) (256 x^4 + 821 x^3 + 531 x^2 + 71 x + 1)}$$

Sequence: A154322
Score: 11.6184
Type of gen. func.: lgdogf

$$-\frac{2 (x^4 - 4 x^3 + 8 x^2 - 3 x + 1)}{(x - 1) (x^4 - 4 x^3 + 7 x^2 - 4 x + 1)}$$

Sequence: A154322
Score: 7.87434
Type of gen. func.: ogf

$$\frac{x^4 - 4x^3 + 7x^2 - 4x + 1}{(x-1)^6}$$

Sequence: A154322
Score: 8.27203
Type of gen. func.: lgdogf

$$-\frac{-2x^4 + 8x^3 - 16x^2 + 6x - 2}{-x^5 + 5x^4 - 11x^3 + 11x^2 - 5x + 1}$$

Sequence: A154323
Score: 10.1895
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 2x^3 - 21x^2 - 8x - 2}{-x^5 + 4x^4 - 13x^3 + 13x^2 - 4x + 1}$$

Sequence: A154323
Score: 10.5079
Type of gen. func.: ogf

$$-\frac{x^4 - 3x^3 + 10x^2 - 3x + 1}{(x-1)^5}$$

Sequence: A154323
Score: 13.2185
Type of gen. func.: lgdogf

```
                  4      3       2
                 x  - 2 x  + 21 x  + 8 x + 2
           - ------------------------------------
                      4      3       2
```

$$(x - 1)\,(x\ \ - 3 x\ \ + 10 x\ \ - 3 x + 1)$$

Sequence: A154324
Score: 6.62990
Type of gen. func.: ogf

$$\frac{x^{6} - 2 x^{5} - x^{4} + 5 x^{3} - x^{2} - 2 x + 1}{(x + 1)^{3} (x - 1)^{6}}$$

Sequence: A154324
Score: 8.28083
Type of gen. func.: lgdogf

$$- \frac{3 x^{7} - 5 x^{6} - 5 x^{5} + 17 x^{4} + 4 x^{3} - 4 x^{2} + x + 1}{(x - 1) (x + 1) (x^{6} - 2 x^{5} - x^{4} + 5 x^{3} - x^{2} - 2 x + 1)}$$

Sequence: A154327
Score: 12.2123
Type of gen. func.: ogf

$$\frac{x^{4} + 2 x^{3} - x^{2} + 1}{(x - 1) (x + 1) (x^{2} + x - 1)}$$

Sequence: A154327
Score: 6.68375
Type of gen. func.: ogf

$$-(97 f(x) - 136)$$

$$(f(x) x^{4} + f(x) x^{3} - x^{4} - 2 f(x) x^{2} - 2 x^{3} - f(x) x + x^{2} + f(x) - 1)$$

Sequence: A154327
Score: 9.37901
Type of gen. func.: lgdogf

6   5   4   3   2

$$-\frac{x + 2x + 6x + 4x - 4x - 2x - 1}{(x - 1)(x + 1)(x^2 + x - 1)(x^4 + 2x^3 - x^2 + 1)}$$

Sequence: A154340
Score: 11.8677
Type of gen. func.: lgdogf

$$-\frac{34x - 10}{17x^2 - 10x + 1}$$

Sequence: A154340
Score: 15.5163
Type of gen. func.: revogf

$$-\frac{-1 - 10x + (32x^2 + 20x + 1)^{1/2}}{34x}$$

Sequence: A154340
Score: 17.6320
Type of gen. func.: ogf

$$\frac{1}{17x^2 - 10x + 1}$$

Sequence: A154340
Score: 21.6121
Type of gen. func.: lgdogf

$$-\frac{2(-5 + 17x)}{17x^2 - 10x + 1}$$

Sequence: A154340
Score: 7.26024
Type of gen. func.: ogf

$$\{-a(n + 2) + 10a(n + 1) - 17a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A154340
Score: 7.26025
Type of gen. func.: ogf

$$(33 f(x) + 17) (17 f(x) x^2 - 10 f(x) x + f(x) - 1)$$

Sequence: A154346
Score: 11.1549
Type of gen. func.: lgdogf

$$-\frac{56 x - 12}{28 x^2 - 12 x + 1}$$

Sequence: A154346
Score: 14.5712
Type of gen. func.: revogf

$$-\frac{-1 - 12 x + (32 x^2 + 24 x + 1)^{1/2}}{56 x}$$

Sequence: A154346
Score: 16.5730
Type of gen. func.: ogf

$$\frac{1}{28 x^2 - 12 x + 1}$$

Sequence: A154346
Score: 20.2956
Type of gen. func.: lgdogf

$$-\frac{4 (-3 + 14 x)}{28 x^2 - 12 x + 1}$$

Sequence: A154346
Score: 6.82418
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 28 a(n), a(0) = 1, a(1) = 12\}$$

Sequence: A154346
Score: 6.90541
Type of gen. func.: ogf

$$(11 f(x) + 7) (28 f(x) x^2 - 12 f(x) x + f(x) - 1)$$

Sequence: A154347
Score: 10.6721
Type of gen. func.: lgdogf

$$-\frac{82 x - 14}{41 x^2 - 14 x + 1}$$

Sequence: A154347
Score: 13.9331
Type of gen. func.: revogf

$$-\frac{-1 - 14 x + (32 x^2 + 28 x + 1)^{1/2}}{82 x}$$

Sequence: A154347
Score: 15.8557
Type of gen. func.: ogf

$$\frac{1}{41 x^2 - 14 x + 1}$$

Sequence: A154347
Score: 19.4068
Type of gen. func.: lgdogf

$$-\frac{2(-7+41x)}{41x^2-14x+1}$$

Sequence: A154347
Score: 6.52884
Type of gen. func.: ogf

$$(57 f(x) + 41) (41 f(x) x^2 - 14 f(x) x + f(x) - 1)$$

Sequence: A154347
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 14 a(n + 1) - 41 a(n), a(0) = 1, a(1) = 14\}$$

Sequence: A154348
Score: 10.4708
Type of gen. func.: lgdogf

$$-\frac{112x-16}{56x^2-16x+1}$$

Sequence: A154348
Score: 13.5847
Type of gen. func.: revogf

$$-\frac{-1-16x+(32x^2+32x+1)^{1/2}}{112x}$$

Sequence: A154348
Score: 15.8557
Type of gen. func.: ogf

$$\frac{1}{56x^2-16x+1}$$

Sequence: A154348
Score: 19.4068
Type of gen. func.: lgdogf

$$-\frac{16\,(-1+7\,x)}{56\,x^2-16\,x+1}$$

Sequence: A154348
Score: 6.37875
Type of gen. func.: ogf

$$(401\,f(x)+623)\,(56\,f(x)\,x^2-16\,f(x)\,x+f(x)-1)$$

Sequence: A154348
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n+2)+16\,a(n+1)-56\,a(n),\ a(0)=1,\ a(1)=16\}$$

Sequence: A154350
Score: 12.4661
Type of gen. func.: revogf

$$-\frac{-18\,x-1+(32\,x^2+36\,x+1)^{1/2}}{146\,x}$$

Sequence: A154350
Score: 14.5708
Type of gen. func.: ogf

$$\frac{1}{73\,x^2-18\,x+1}$$

Sequence: A154350
Score: 5.99974

Type of gen. func.: ogf

$$\{-a(n + 2) + 18 a(n + 1) - 73 a(n), a(0) = 1, a(1) = 18\}$$

Sequence: A154350
Score: 5.99975
Type of gen. func.: ogf

$$(89 f(x) + 73) (73 f(x) x^2 - 18 f(x) x + f(x) - 1)$$

Sequence: A154350
Score: 9.62223
Type of gen. func.: lgdogf

$$-\frac{146 x - 18}{73 x^2 - 18 x + 1}$$

Sequence: A154352
Score: 7.14628
Type of gen. func.: ogf

$$- x (x - 1) (2 x + 1) (2 x - 1) (x + 1) (x^2 + x + 1) (4 x^2 - 2 x + 1) (4 x^2 + 2 x + 1) / (43 x^6 - 1)$$

Sequence: A154355
Score: 10.4146
Type of gen. func.: ogf

$$-\frac{74 x^2 - 37 x + 13}{(x - 1)^3}$$

Sequence: A154355
Score: 15.9073
Type of gen. func.: lgdogf

$$-\frac{2\,(37\,x^2+37\,x+1)}{(x-1)\,(74\,x^2-37\,x+13)}$$

Sequence: A154355
Score: 5.01154
Type of gen. func.: ogf

$$-(10907500\,f(x)-209464099)$$

$$(f(x)\,x^3-3\,f(x)\,x^2+3\,f(x)\,x+74\,x^2-f(x)-37\,x+13)$$

Sequence: A154355
Score: 5.84680
Type of gen. func.: ogf

$$\{a(n+3)-3\,a(n+2)+3\,a(n+1)-a(n),\ a(0)=13,\ a(1)=2,\ a(2)=41\}$$

Sequence: A154355
Score: 9.38782
Type of gen. func.: lgdogf

$$-\frac{-74\,x^2-74\,x-2}{-74\,x^3+111\,x^2-50\,x+13}$$

Sequence: A154357
Score: 12.4828
Type of gen. func.: lgdogf

$$-\frac{-41\,x^2-96\,x-13}{-41\,x^3+34\,x^2+5\,x+2}$$

Sequence: A154357
Score: 13.8922
Type of gen. func.: ogf

2

$$-\frac{41 x + 7 x + 2}{(x - 1)^3}$$

Sequence: A154357
Score: 22.2703
Type of gen. func.: lgdogf

$$-\frac{41 x^2 + 96 x + 13}{(x - 1) (41 x^2 + 7 x + 2)}$$

Sequence: A154357
Score: 6.89052
Type of gen. func.: ogf

$$(3522500 f(x) - 54439743)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 41 x^2 - f(x) + 7 x + 2)$$

Sequence: A154357
Score: 7.55539
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2, a(1) = 13, a(2) = 74\}$$

Sequence: A154358
Score: 12.2147
Type of gen. func.: lgdogf

$$-\frac{3 (1233 x^2 + 1234 x + 33)}{(x - 1) (3699 x^2 - 1848 x + 649)}$$

Sequence: A154358
Score: 4.74939
Type of gen. func.: ogf

$$-(12125 f(x) - 11640269)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3699 x^2 - f(x) - 1848 x + 649)$$

Sequence: A154358
Score: 5.39339
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 649, a(1) = 99, a(2) = 2049}

Sequence: A154358
Score: 7.76122
Type of gen. func.: lgdogf

$$- \frac{-3699 x^2 - 3702 x - 99}{-3699 x^3 + 5547 x^2 - 2497 x + 649}$$

Sequence: A154358
Score: 9.22348
Type of gen. func.: ogf

$$- \frac{3699 x^2 - 1848 x + 649}{(x - 1)^3}$$

Sequence: A154359
Score: 10.0005
Type of gen. func.: ogf

$$- \frac{2049 x^2 + 352 x + 99}{(x - 1)^3}$$

Sequence: A154359
Score: 13.6757
Type of gen. func.: lgdogf

$$2049 x^2 + 4802 x + 649$$
$$- \text{-----------------------------}$$

$$(x - 1) (2049 x^2 + 352 x + 99)$$

Sequence: A154359
Score: 5.15412
Type of gen. func.: ogf

$$(246625 f(x) - 190632579)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 2049 x^2 - f(x) + 352 x + 99)$$

Sequence: A154359
Score: 5.67827
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 99, a(1) = 649, a(2) = 3699\}$$

Sequence: A154359
Score: 8.27205
Type of gen. func.: lgdogf

$$- \frac{-2049 x^2 - 4802 x - 649}{-2049 x^3 + 1697 x^2 + 253 x + 99}$$

Sequence: A154360
Score: 15.4788
Type of gen. func.: lgdogf

$$- \frac{-43 x - 7}{-43 x^2 + 61 x - 18}$$

Sequence: A154360
Score: 16.4265
Type of gen. func.: ogf

$$\frac{10 (43 x - 18)}{(x - 1)^2}$$

Sequence: A154360
Score: 22.6747
Type of gen. func.: revogf

$$-\frac{-35 - x + 5 (49 + 10 x)^{1/2}}{-180 + x}$$

Sequence: A154360
Score: 30.5236
Type of gen. func.: lgdogf

$$-\frac{2 (16 + 9 x)}{(18 x + 7) (x - 1)}$$

Sequence: A154360
Score: 8.84502
Type of gen. func.: ogf

$$(5 f(x) + 949) (f(x) x^2 - 2 f(x) x + f(x) - 430 x + 180)$$

Sequence: A154360
Score: 9.46938
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -180, a(1) = 70\}$$

Sequence: A154361
Score: 13.0813
Type of gen. func.: lgdogf

$$-\frac{-32 x - 18}{-32 x^2 + 39 x - 7}$$

Sequence: A154361
Score: 14.1714
Type of gen. func.: ogf

$$\frac{10\,(32\,x-7)}{(x-1)^{2}}$$

Sequence: A154361
Score: 19.1233
Type of gen. func.: revogf

$$-\frac{-90-x+5\,(324+10\,x)^{1/2}}{-70+x}$$

Sequence: A154361
Score: 27.8882
Type of gen. func.: lgdogf

$$-\frac{43+7\,x}{(7\,x+18)\,(x-1)}$$

Sequence: A154361
Score: 7.1603
Type of gen. func.: ogf

$$(2135\,f(x)-60502)\,(f(x)\,x^{2}-2\,f(x)\,x+f(x)-320\,x+70)$$

Sequence: A154361
Score: 8.00269
Type of gen. func.: ogf

$$\{-a(n+2)+2\,a(n+1)-a(n),\ a(0)=-70,\ a(1)=180\}$$

Sequence: A154374
Score: 10.4067
Type of gen. func.: ogf

$$-\frac{x^{2}+1348\,x+1151}{(x-1)^{3}}$$

```
------------------------------------------------------------------------------

Sequence:  A154374
Score: 5.32248
Type of gen. func.: ogf


(894625 f(x) - 1490848247)

           3           2               2
    (f(x) x  - 3 f(x) x  + 3 f(x) x + x  - f(x) + 1348 x + 1151)



------------------------------------------------------------------------------

Sequence:  A154374
Score: 5.71513
Type of gen. func.: ogf


{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1151, a(1) = 4801,

    a(2) = 10951}



------------------------------------------------------------------------------

Sequence:  A154374
Score: 8.93905
Type of gen. func.: lgdogf


                                2
                               x  + 2698 x + 4801
                         - -----------------------------
                            3          2
                           x  + 1347 x  - 197 x - 1151



------------------------------------------------------------------------------

Sequence:  A154375
Score: 10.4067
Type of gen. func.: ogf


                                 2
                                x  + 1148 x + 1351
                              - ------------------
                                            3
                                     (x - 1)



------------------------------------------------------------------------------

Sequence:  A154375
Score: 16.2772
Type of gen. func.: lgdogf


                                 2
                                x  + 2298 x + 5201
                         - -----------------------------
                                     2
```

$$(x - 1) (x + 1148 x + 1351)$$

Sequence: A154375
Score: 5.32248
Type of gen. func.: ogf

$$(949625 f(x) - 1647949503)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 1148 x + 1351)$$

Sequence: A154375
Score: 5.71513
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1351, a(1) = 5201, a(2) = 11551\}$$

Sequence: A154375
Score: 8.93905
Type of gen. func.: lgdogf

$$- \frac{x^2 + 2298 x + 5201}{x^3 + 1147 x^2 + 203 x - 1351}$$

Sequence: A154376
Score: 13.4260
Type of gen. func.: ogf

$$- \frac{27 x + 23}{(x - 1)^3}$$

Sequence: A154376
Score: 14.2006
Type of gen. func.: lgdogf

$$- \frac{54 x + 96}{27 x^2 - 4 x - 23}$$

Sequence: A154376
Score: 26.8104
Type of gen. func.: lgdogf

$$-\frac{6\,(16 + 9\,x)}{(27\,x + 23)\,(x - 1)}$$

Sequence: A154376
Score: 6.15358
Type of gen. func.: ogf

$$(29822500\,f(x) - 994640981)\,(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x - f(x) + 27\,x + 23)$$

Sequence: A154376
Score: 6.36578
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 23,\ a(1) = 96,\ a(2) = 219\}$$

Sequence: A154377
Score: 13.5583
Type of gen. func.: ogf

$$-\frac{23\,x + 27}{(x - 1)^{3}}$$

Sequence: A154377
Score: 14.0699
Type of gen. func.: lgdogf

$$-\frac{46\,x + 104}{23\,x^{2} + 4\,x - 27}$$

Sequence: A154377
Score: 26.1127

Type of gen. func.: lgdogf

$$-\frac{2(52+23x)}{(23x+27)(x-1)}$$

Sequence: A154377
Score: 6.16285
Type of gen. func.: ogf

$$(94967500 f(x) - 3298365507)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 23 x + 27)$$

Sequence: A154377
Score: 6.37356
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 27, a(1) = 104, a(2) = 231\}$

Sequence: A154378
Score: 15.4637
Type of gen. func.: lgdogf

$$-\frac{x+49}{x^2+23x-24}$$

Sequence: A154378
Score: 16.4302
Type of gen. func.: ogf

$$\frac{10(x+24)}{(x-1)^2}$$

Sequence: A154378
Score: 21.4916
Type of gen. func.: revogf

$$-120 - x + 5 (576 + 10 x)^{1/2}$$

$$-\frac{}{-10 + x}$$

Sequence: A154378
Score: 38.6849
Type of gen. func.: lgdogf

$$-\frac{x + 49}{(x + 24) (x - 1)}$$

Sequence: A154378
Score: 8.66646
Type of gen. func.: ogf

$$(5 f(x) + 1201) (f(x) x^2 - 2 f(x) x + f(x) - 10 x - 240)$$

Sequence: A154378
Score: 9.17033
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 240, a(1) = 490\}$$

Sequence: A154379
Score: 15.0727
Type of gen. func.: lgdogf

$$-\frac{-x + 51}{-x^2 + 27 x - 26}$$

Sequence: A154379
Score: 16.0148
Type of gen. func.: ogf

$$-\frac{10 (x - 26)}{(x - 1)^2}$$

Sequence: A154379
Score: 21.5387
Type of gen. func.: revogf

$$-\frac{-130 - x + 5 (676 + 10 x)^{1/2}}{10 + x}$$

Sequence: A154379
Score: 35.8978
Type of gen. func.: lgdogf

$$-\frac{-51 + x}{(x - 1) (x - 26)}$$

Sequence: A154379
Score: 8.44736
Type of gen. func.: ogf

$$(5 f(x) + 1301) (f(x) x^2 - 2 f(x) x + f(x) + 10 x - 260)$$

Sequence: A154379
Score: 8.93848
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 260, a(1) = 510\}$$

Sequence: A154383
Score: 10.5665
Type of gen. func.: ogf

$$\{-a(n + 4) + 4 a(n + 2), a(0) = 1, a(1) = 0, a(2) = 4, a(3) = 2\}$$

Sequence: A154383
Score: 13.9419
Type of gen. func.: ogf

$$(13 f(x) + 3) (4 f(x) x^2 + 2 x^3 - f(x) + 1)$$

Sequence: A154383
Score: 13.9419
Type of gen. func.: lgdogf

$$-\frac{-8x^4+6x^2+8x}{8x^5-2x^3+4x^2-1}$$

Sequence: A154383
Score: 22.3071
Type of gen. func.: ogf

$$-\frac{2x^3+1}{(2x-1)(2x+1)}$$

Sequence: A154407
Score: 13.0850
Type of gen. func.: ogf

$$-\frac{2(9x-2)}{(6x-1)(2x-1)}$$

Sequence: A154407
Score: 14.7028
Type of gen. func.: lgdogf

$$-\frac{108x^2-48x+7}{(6x-1)(2x-1)(9x-2)}$$

Sequence: A154407
Score: 14.7028
Type of gen. func.: revogf

$$-\frac{-2-4x+(4x^2-2x+4)^{1/2}}{6(2x+3)}$$

Sequence: A154407
Score: 6.68471
Type of gen. func.: ogf

$$-(4 f(x) + 33) (12 f(x) x^2 - 8 f(x) x + f(x) + 18 x - 4)$$

Sequence: A154407
Score: 7.32135
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 12 a(n), a(0) = 4, a(1) = 14\}$$

Sequence: A154407
Score: 8.66187
Type of gen. func.: lgdogf

$$-\frac{-108 x^2 + 48 x - 7}{-108 x^3 + 96 x^2 - 25 x + 2}$$

Sequence: A154410
Score: 13.7003
Type of gen. func.: ogf

$$-\frac{10 (3 x - 1)}{(6 x - 1) (2 x - 1)}$$

Sequence: A154410
Score: 15.0102
Type of gen. func.: revogf

$$-\frac{-5 - 4 x + (4 x^2 + 10 x + 25)^{1/2}}{6 (5 + 2 x)}$$

Sequence: A154410
Score: 16.1360
Type of gen. func.: lgdogf

$$-\frac{36 x^2 - 24 x + 5}{(6 x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A154410
Score: 6.85018
Type of gen. func.: ogf

$$-(242 f(x) + 705) (12 f(x) x^2 - 8 f(x) x + f(x) + 30 x - 10)$$

Sequence: A154410
Score: 7.73666
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 12 a(n), a(0) = 10, a(1) = 50\}$$

Sequence: A154410
Score: 9.53067
Type of gen. func.: lgdogf

$$-\frac{-36 x^2 + 24 x - 5}{-36 x^3 + 36 x^2 - 11 x + 1}$$

Sequence: A154426
Score: 9.18963
Type of gen. func.: ogf

$$-\frac{x (3 x^7 - 5 x^6 + 3 x^5 - 3 x^4 + x^3 + x^2 - x - 1)}{(x - 1)^2}$$

Sequence: A154426
Score: 9.76422
Type of gen. func.: lgdogf

```
   7       6       5       4       3      2
15 x  - 41 x  + 39 x  - 21 x  + 13 x  - 3 x  - x + 3
-----------------------------------------------------
            7      6      5      4    3    2
```

$$(x - 1) (3 x - 5 x + 3 x - 3 x + x + x - x - 1)$$

Sequence: A154470
Score: 12.3481
Type of gen. func.: lgdogf

$$\frac{2 (42 x^{30} - 126 x^{29} + 126 x^{28} - 42 x^{27} - 1)}{(x - 1) (3 x^{30} - 6 x^{29} + 3 x^{28} + 1)}$$

Sequence: A154514
Score: 11.2503
Type of gen. func.: ogf

$$- \frac{x^2 + 718 x + 577}{(x - 1)^3}$$

Sequence: A154514
Score: 17.9352
Type of gen. func.: lgdogf

$$- \frac{x^2 + 1438 x + 2449}{(x - 1) (x^2 + 718 x + 577)}$$

Sequence: A154514
Score: 5.80373
Type of gen. func.: ogf

$$(27501 f(x) - 23575832)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 718 x + 577)$$

Sequence: A154514
Score: 6.09392
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 577, a(1) = 2449,$

a(2) = 5617}

Sequence: A154514
Score: 9.62199
Type of gen. func.: lgdogf

$$-\frac{x^2 + 1438 x + 2449}{x^3 + 717 x^2 - 141 x - 577}$$

Sequence: A154515
Score: 11.2503
Type of gen. func.: ogf

$$-\frac{x^2 + 574 x + 721}{(x - 1)^3}$$

Sequence: A154515
Score: 17.9352
Type of gen. func.: lgdogf

$$-\frac{x^2 + 1150 x + 2737}{(x - 1) (x^2 + 574 x + 721)}$$

Sequence: A154515
Score: 5.89734
Type of gen. func.: ogf

$(2598 f(x) - 2356135)$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 574 x + 721)$$

Sequence: A154515
Score: 6.09392
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 721, a(1) = 2737,

a(2) = 6049}

Sequence: A154515
Score: 9.62199
Type of gen. func.: lgdogf

$$-\frac{x^2 + 1150 x + 2737}{x^3 + 573 x^2 + 147 x - 721}$$

Sequence: A154516
Score: 13.3893
Type of gen. func.: ogf

$$-\frac{2 (4 + 5 x)}{(x - 1)^3}$$

Sequence: A154516
Score: 14.4604
Type of gen. func.: lgdogf

$$-\frac{10 x + 17}{5 x^2 - x - 4}$$

Sequence: A154516
Score: 29.5110
Type of gen. func.: lgdogf

$$-\frac{10 x + 17}{(4 + 5 x) (x - 1)}$$

Sequence: A154516
Score: 6.34228
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 8, a(1) = 34, a(2) = 78}

Sequence: A154516
Score: 6.39841
Type of gen. func.: ogf

$$(46413 f(x) - 553354) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 10 x + 8)$$

Sequence: A154517
Score: 13.4576
Type of gen. func.: ogf

$$- \frac{2 (5 + 4 x)}{(x - 1)^3}$$

Sequence: A154517
Score: 14.8308
Type of gen. func.: lgdogf

$$- \frac{8 x + 19}{4 x^2 + x - 5}$$

Sequence: A154517
Score: 30.9545
Type of gen. func.: lgdogf

$$- \frac{8 x + 19}{(5 + 4 x) (x - 1)}$$

Sequence: A154517
Score: 6.31921
Type of gen. func.: ogf

$$(100845 f(x) - 1271938) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 8 x + 10)$$

Sequence: A154517
Score: 6.31921

Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 10, a(1) = 38, a(2) = 84\}$$

Sequence: A154518
Score: 14.3939
Type of gen. func.: lgdogf

$$-\frac{x + 35}{x^2 + 16 x - 17}$$

Sequence: A154518
Score: 15.2935
Type of gen. func.: ogf

$$\frac{12 (x + 17)}{(x - 1)^2}$$

Sequence: A154518
Score: 20.5523
Type of gen. func.: revogf

$$-\frac{-102 - x + 6 (289 + 6 x)^{1/2}}{-12 + x}$$

Sequence: A154518
Score: 35.9666
Type of gen. func.: lgdogf

$$-\frac{x + 35}{(x + 17) (x - 1)}$$

Sequence: A154518
Score: 8.15652
Type of gen. func.: ogf

$$(3 f(x) + 613) (f(x) x^2 - 2 f(x) x + f(x) - 12 x - 204)$$

Sequence: A154518
Score: 8.53590
Type of gen. func.: ogf

$$\{-a(n+2) + 2 a(n+1) - a(n), a(0) = 204, a(1) = 420\}$$

Sequence: A154519
Score: 14.3939
Type of gen. func.: lgdogf

$$-\frac{-x + 37}{-x^2 + 20 x - 19}$$

Sequence: A154519
Score: 15.2935
Type of gen. func.: ogf

$$-\frac{12 (x - 19)}{(x - 1)^2}$$

Sequence: A154519
Score: 21.1568
Type of gen. func.: revogf

$$-\frac{-114 - x + 6 (361 + 6 x)^{1/2}}{12 + x}$$

Sequence: A154519
Score: 34.2539
Type of gen. func.: lgdogf

$$-\frac{-37 + x}{(x - 1) (x - 19)}$$

Sequence: A154519
Score: 8.15652
Type of gen. func.: ogf

$$(3 f(x) + 685) (f(x) x^2 - 2 f(x) x + f(x) + 12 x - 228)$$

Sequence: A154519
Score: 8.53590
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 228, a(1) = 444\}$$

Sequence: A154529
Score: 12.4334
Type of gen. func.: ogf

$$-\frac{6 x^4 + 2 x^3 - 4 x^2 + 4 x + 1}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A154529
Score: 6.47311
Type of gen. func.: lgdogf

$$-\frac{8 x^6 - 8 x^5 - 2 x^4 + 16 x^3 + 7 x^2 - 8 x + 5}{(x - 1) (x + 1) (x^2 - x + 1) (6 x^4 + 2 x^3 - 4 x^2 + 4 x + 1)}$$

Sequence: A154529
Score: 7.30816
Type of gen. func.: ogf

$$-(3 f(x) + 2)$$

$$(f(x) x^4 - f(x) x^3 + 6 x^4 + 2 x^3 + f(x) x - 4 x^2 - f(x) + 4 x + 1)$$

Sequence: A154533
Score: 11.6243
Type of gen. func.: lgdogf

$$-\frac{-13 x^2 + 16 x - 9}{-13 x^3 + 34 x^2 - 31 x + 10}$$

Sequence: A154533
Score: 12.7141
Type of gen. func.: ogf

$$-\frac{13 x^2 - 21 x + 10}{(x - 1)^3}$$

Sequence: A154533
Score: 20.4629
Type of gen. func.: lgdogf

$$-\frac{13 x^2 - 16 x + 9}{(x - 1) (13 x^2 - 21 x + 10)}$$

Sequence: A154533
Score: 6.89577
Type of gen. func.: ogf

$$(132 f(x) - 419) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 13 x^2 - f(x) - 21 x + 10)$$

Sequence: A154533
Score: 7.13772
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 10, a(1) = 9, a(2) = 10\}$$

Sequence: A154549
Score: 10.2834
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 111111$$

Sequence: A154549
Score: 13.4397
Type of gen. func.: revogf

$$\frac{444444 x}{(111111 + (12345654321 + 444444 x)^{1/2})^{2}}$$

Sequence: A154549
Score: 17.3194
Type of gen. func.: ogf

$$\frac{111111}{(x - 1)^{2}}$$

Sequence: A154549
Score: 23.5049
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A154549
Score: 50.0165
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A154549
Score: 7.15365
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 111111, a(1) = 222222\}$$

Sequence: A154549
Score: 80.6380
Type of gen. func.: lgdogf

$$-\frac{2}{x-1}$$

Sequence: A154560
Score: 17.7721
Type of gen. func.: lgdogf

$$-\frac{x^3-5x^2+7x+9}{(x-1)(x^3-4x^2+5x+1)}$$

Sequence: A154560
Score: 4.00675
Type of gen. func.: ogf

$$\{(-19n^2-173n-270)a(n+1)+(-52n^2-476n-960)a(n+2)$$
$$+(71n^2+379n+498)a(n+3), a(0)=1, a(1)=9, a(2)=26\}$$

Sequence: A154560
Score: 5.39917
Type of gen. func.: ogf

$$(162f(x)+535)$$
$$(f(x)x^4-4f(x)x^3+6f(x)x^2-x^3-4f(x)x+4x^2+f(x)-5x-1)$$

Sequence: A154560
Score: 9.51602
Type of gen. func.: lgdogf

$$-\frac{-x^3+5x^2-7x-9}{-x^4+5x^3-9x^2+4x+1}$$

Sequence: A154560
Score: 9.88678

Type of gen. func.: ogf

$$\frac{x^3 - 4 x^2 + 5 x + 1}{(x - 1)^4}$$

Sequence: A154570
Score: 12.4687
Type of gen. func.: ogf

$$\frac{9 x^2 - 2 x - 1}{(x + 1) (2 x - 1)}$$

Sequence: A154570
Score: 17.4825
Type of gen. func.: lgdogf

$$\frac{13 x^2 - 14 x + 3}{(2 x - 1) (x + 1) (9 x^2 - 2 x - 1)}$$

Sequence: A154570
Score: 6.47882
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 3, a(2) = -4\}$$

Sequence: A154570
Score: 6.67515
Type of gen. func.: ogf

$$-(11 f(x) - 20) (2 f(x) x^2 + f(x) x - 9 x^2 - f(x) + 2 x + 1)$$

Sequence: A154570
Score: 8.69526
Type of gen. func.: lgdogf

2

$$-\frac{-13 x + 14 x - 3}{18 x^4 + 5 x^3 - 13 x^2 + x + 1}$$

Sequence: A154571
Score: 5.85363
Type of gen. func.: lgdogf

$$- (8 x^{10} + 7 x^9 + 13 x^8 + 12 x^7 + 14 x^6 + 30 x^5 + 28 x^4 + 11 x^3 + 11 x^2 + 6 x + 4) \Big/ ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (4 x^5 + x^4 + 2 x^3 + x^2 + x + 3))$$

Sequence: A154571
Score: 9.21730
Type of gen. func.: ogf

$$\frac{x (4 x^5 + x^4 + 2 x^3 + x^2 + x + 3)}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A154575
Score: 11.8237
Type of gen. func.: lgdogf

$$-\frac{2 x^2 - 14 x + 18}{2 x^3 - 11 x^2 + 18 x - 9}$$

Sequence: A154575
Score: 12.7621
Type of gen. func.: ogf

$$-\frac{2 (2 x - 3) (x - 3)}{(x - 1)^3}$$

Sequence: A154575
Score: 23.1971
Type of gen. func.: lgdogf

$$-\frac{2\,(x^2 - 7\,x + 9)}{(x - 1)\,(x - 3)\,(2\,x - 3)}$$

Sequence: A154575
Score: 6.75643
Type of gen. func.: ogf

$$(582\,f(x) - 22631)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 4\,x^2 - f(x) - 18\,x + 18)$$

Sequence: A154575
Score: 6.99143
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n), a(0) = 18, a(1) = 36, a(2) = 58\}$$

Sequence: A154576
Score: 11.6524
Type of gen. func.: lgdogf

$$-\frac{5\,x^2 - 34\,x + 41}{5\,x^3 - 27\,x^2 + 43\,x - 21}$$

Sequence: A154576
Score: 12.7621
Type of gen. func.: ogf

$$-\frac{(5\,x - 7)\,(x - 3)}{(x - 1)^3}$$

Sequence: A154576
Score: 21.9083
Type of gen. func.: lgdogf

$$-\frac{5 x^2 - 34 x + 41}{(x - 1) (x - 3) (5 x - 7)}$$

Sequence: A154576
Score: 6.87192
Type of gen. func.: ogf

$$(25 f(x) - 1452) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 5 x^2 - f(x) - 22 x + 21)$$

Sequence: A154576
Score: 6.99143
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 21, a(1) = 41, a(2) = 65\}$$

Sequence: A154589
Score: 13.6490
Type of gen. func.: lgdogf

$$-\frac{1}{(-4 + 9 x) (2 x - 1)}$$

Sequence: A154589
Score: 4.62459
Type of gen. func.: ogf

$$2 f(x) x - f(x) - 9 x + 4$$

Sequence: A154589
Score: 5.62451
Type of gen. func.: ogf

$$\frac{-4 + 9 x}{2 x - 1}$$

Sequence: A154589

Score: 6.12079
Type of gen. func.: lgdogf

$$\frac{1}{-18 x^{2} + 17 x - 4}$$

Sequence: A154589
Score: 7.22593
Type of gen. func.: revogf

$$2/9 + x/9 - \frac{((x - 1) (-4 + x))^{1/2}}{9}$$

Sequence: A154590
Score: 12.1084
Type of gen. func.: lgdogf

$$- \frac{3 x^{2} - 20 x + 23}{3 x^{3} - 16 x^{2} + 25 x - 12}$$

Sequence: A154590
Score: 13.2616
Type of gen. func.: ogf

$$- \frac{2 (3 x - 4) (x - 3)}{(x - 1)^{3}}$$

Sequence: A154590
Score: 7.02086
Type of gen. func.: ogf

$$(830 f(x) - 69489) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 6 x^{2} - f(x) - 26 x + 24)$$

Sequence: A154590
Score: 7.26507
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 24,\ a(1) = 46,\ a(2) = 72\}$$

Sequence: A154591
Score: 12.1084
Type of gen. func.: lgdogf

$$-\frac{7\,x^{2} - 46\,x + 51}{7\,x^{3} - 37\,x^{2} + 57\,x - 27}$$

Sequence: A154591
Score: 13.2616
Type of gen. func.: ogf

$$-\frac{(7\,x - 9)\,(x - 3)}{(x - 1)^{3}}$$

Sequence: A154591
Score: 7.02086
Type of gen. func.: ogf

$$(486\,f(x) - 56767)\,(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x + 7\,x^{2} - f(x) - 30\,x + 27)$$

Sequence: A154591
Score: 7.26507
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 27,\ a(1) = 51,\ a(2) = 79\}$$

Sequence: A154595
Score: 13.2636
Type of gen. func.: ogf

$$\frac{3\,x^{2} + 3\,x + 1}{(x + 1)\,(x^{2} - x + 1)}$$

Sequence: A154595
Score: 8.33223
Type of gen. func.: ogf

$$(61 f(x) + 128) (f(x) x^3 - 3 x^2 + f(x) - 3 x - 1)$$

Sequence: A154595
Score: 8.37587
Type of gen. func.: lgdogf

$$- \frac{3 (x^4 + 2 x^3 + x^2 - 2 x - 1)}{(x + 1) (x^2 - x + 1) (3 x^2 + 3 x + 1)}$$

Sequence: A154595
Score: 8.55151
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n), a(0) = 1, a(1) = 3, a(2) = 3\}$$

Sequence: A154597
Score: 10.7095
Type of gen. func.: lgdogf

$$- \frac{-2 x - 15}{-x^2 - 15 x + 1}$$

Sequence: A154597
Score: 13.7933
Type of gen. func.: revogf

$$\frac{-1 - 15 x + (229 x^2 + 30 x + 1)^{1/2}}{2 x}$$

Sequence: A154597

Score: 15.7493
Type of gen. func.: ogf

$$-\frac{1}{x^2 + 15 x - 1}$$

Sequence: A154597
Score: 23.8247
Type of gen. func.: lgdogf

$$-\frac{2 x + 15}{x^2 + 15 x - 1}$$

Sequence: A154597
Score: 6.37473
Type of gen. func.: ogf

{-a(n + 2) + 15 a(n + 1) + a(n), a(0) = 1, a(1) = 15}

Sequence: A154597
Score: 9.15284
Type of gen. func.: ogf

$$-f(x) x^2 - 15 f(x) x + f(x) - x$$

Sequence: A154599
Score: 11.8188
Type of gen. func.: lgdogf

$$-\frac{4 x^2 - 26 x + 28}{4 x^3 - 21 x^2 + 32 x - 15}$$

Sequence: A154599
Score: 12.9444
Type of gen. func.: ogf

$$2 (4 x - 5) (x - 3)$$

$$- \frac{}{(x - 1)^3}$$

Sequence: A154599
Score: 21.0575
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^2 - 13 x + 14)}{(4 x - 5) (x - 1) (x - 3)}$$

Sequence: A154599
Score: 6.73967
Type of gen. func.: ogf

$$(1126 f(x) - 178275) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 8 x^2 - f(x) - 34 x + 30)$$

Sequence: A154599
Score: 7.09130
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 30, a(1) = 56, a(2) = 86\}$$

Sequence: A154600
Score: 11.8188
Type of gen. func.: lgdogf

$$- \frac{9 x^2 - 58 x + 61}{9 x^3 - 47 x^2 + 71 x - 33}$$

Sequence: A154600
Score: 12.9444
Type of gen. func.: ogf

$$- \frac{(9 x - 11) (x - 3)}{(x - 1)^3}$$

Sequence: A154600
Score: 21.6266
Type of gen. func.: lgdogf

$$-\frac{9 x^2 - 58 x + 61}{(x - 1) (x - 3) (9 x - 11)}$$

Sequence: A154600
Score: 6.85295
Type of gen. func.: ogf

$$(323 f(x) - 67599) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 9 x^2 - f(x) - 38 x + 33)$$

Sequence: A154600
Score: 7.09130
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 33, a(1) = 61, a(2) = 93}

Sequence: A154609
Score: 10.0926
Type of gen. func.: ogf

{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 5, a(1) = 18}

Sequence: A154609
Score: 17.0956
Type of gen. func.: lgdogf

$$-\frac{-8 x - 18}{-8 x^2 + 3 x + 5}$$

Sequence: A154609
Score: 18.6152
Type of gen. func.: ogf

8 x + 5

$$\frac{}{(x - 1)^2}$$

Sequence: A154609
Score: 22.8258
Type of gen. func.: revogf

$$- \frac{-5 - 2 x + (25 + 52 x)^{1/2}}{2 (-8 + x)}$$

Sequence: A154609
Score: 34.2387
Type of gen. func.: lgdogf

$$- \frac{2 (9 + 4 x)}{(8 x + 5) (x - 1)}$$

Sequence: A154609
Score: 9.62858
Type of gen. func.: ogf

$$(13 f(x) + 97) (f(x) x^2 - 2 f(x) x + f(x) - 8 x - 5)$$

Sequence: A154612
Score: 16.1925
Type of gen. func.: lgdogf

$$- \frac{-10 x - 24}{-10 x^2 + 3 x + 7}$$

Sequence: A154612
Score: 17.9526
Type of gen. func.: ogf

$$\frac{10 x + 7}{(x - 1)^2}$$

Sequence: A154612
Score: 21.8902
Type of gen. func.: revogf

$$-\frac{-7 - 2 x + (49 + 68 x)^{1/2}}{2 (-10 + x)}$$

Sequence: A154612
Score: 31.1515
Type of gen. func.: lgdogf

$$-\frac{2 (12 + 5 x)}{(10 x + 7) (x - 1)}$$

Sequence: A154612
Score: 9.27888
Type of gen. func.: ogf

$$(17 f(x) + 169) (f(x) x^2 - 2 f(x) x + f(x) - 10 x - 7)$$

Sequence: A154612
Score: 9.94964
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 7, a(1) = 24\}$$

Sequence: A154615
Score: 11.1423
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 + 24 x^4 + 14 x^3 + 64 x^2 + 9 x + 8)}{(x - 1) (x + 1) (x^4 + 16 x^3 + 6 x^2 + 16 x + 1)}$$

Sequence: A154615
Score: 6.25050

Type of gen. func.: ogf

$$\{(-n^2 - 6 n - 9) a(n + 1) + (n^2 + 2 n + 1) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 16\}$$

Sequence: A154615
Score: 9.48352
Type of gen. func.: ogf

$$-\frac{x (x^4 + 16 x^3 + 6 x^2 + 16 x + 1)}{(x - 1)^3 (x + 1)^3}$$

Sequence: A154617
Score: 12.1458
Type of gen. func.: ogf

$$-\frac{11 x (3 x + 1)}{(x - 1)^3}$$

Sequence: A154617
Score: 14.9293
Type of gen. func.: lgdogf

$$-\frac{-6 x - 6}{-3 x^2 + 2 x + 1}$$

Sequence: A154617
Score: 32.0769
Type of gen. func.: lgdogf

$$-\frac{6 (x + 1)}{(3 x + 1) (x - 1)}$$

Sequence: A154617
Score: 5.9717
Type of gen. func.: ogf

$$-(1072 f(x) - 15015) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 33 x^2 - f(x) + 11 x)$$

Sequence: A154617
Score: 6.34164
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 11, a(2) = 66\}$$

Sequence: A154623
Score: 4.77381
Type of gen. func.: ogf

$$\{45 a(n) n + (-14 n - 12) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A154623
Score: 6.21590
Type of gen. func.: lgdogf

$$-\frac{-9 x + 1 + 3 (45 x^2 - 14 x + 1)^{1/2}}{2 (81 x^2 - 27 x + 2) (-1 + 5 x)}$$

Sequence: A154623
Score: 7.65034
Type of gen. func.: ogf

$$5 f(x)^2 x - f(x)^2 - 15 f(x) x + 3 f(x) + 9 x - 2$$

Sequence: A154623
Score: 9.27854
Type of gen. func.: lgdogf

$$-\frac{-9 x + 1 + 3 ((9 x - 1) (-1 + 5 x))^{1/2}}{2 (9 x - 1) (9 x - 2) (-1 + 5 x)}$$

Sequence: A154626
Score: 10.5156
Type of gen. func.: lgdogf

$$-\frac{-16 x^2 + 8 x - 2}{-16 x^3 + 28 x^2 - 10 x + 1}$$

Sequence: A154626
Score: 14.4506
Type of gen. func.: revogf

$$-\frac{-1 - 6 x + (20 x^2 - 4 x + 1)^{1/2}}{8 (x + 1)}$$

Sequence: A154626
Score: 14.8211
Type of gen. func.: lgdogf

$$-\frac{2 (8 x^2 - 4 x + 1)}{(4 x - 1) (4 x^2 - 6 x + 1)}$$

Sequence: A154626
Score: 15.8902
Type of gen. func.: ogf

$$-\frac{4 x - 1}{4 x^2 - 6 x + 1}$$

Sequence: A154626
Score: 8.03441
Type of gen. func.: ogf

$$-(3 f(x) - 2) (4 f(x) x^2 - 6 f(x) x + f(x) + 4 x - 1)$$

Sequence: A154626
Score: 8.72026
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A154627
Score: 12.7818
Type of gen. func.: ogf

$$- \frac{-1 + 5 x}{4 x^2 - 8 x + 1}$$

Sequence: A154627
Score: 13.4095
Type of gen. func.: revogf

$$- \frac{-1 - 8 x + (48 x^2 - 4 x + 1)^{1/2}}{2 (5 + 4 x)}$$

Sequence: A154627
Score: 15.2215
Type of gen. func.: lgdogf

$$- \frac{20 x^2 - 8 x + 3}{(-1 + 5 x) (4 x^2 - 8 x + 1)}$$

Sequence: A154627
Score: 6.18474
Type of gen. func.: ogf

$$-(364 f(x) - 283) (4 f(x) x^2 - 8 f(x) x + f(x) + 5 x - 1)$$

Sequence: A154627
Score: 7.01439
Type of gen. func.: ogf

{a(n + 2) - 8 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 3}

Sequence: A154627
Score: 8.45853
Type of gen. func.: lgdogf

$$-\frac{-20 x^{2} + 8 x - 3}{-20 x^{3} + 44 x^{2} - 13 x + 1}$$

Sequence: A154629
Score: 8.03620
Type of gen. func.: ogf

$$-\frac{x^{8} + 9 x^{7} + 3 x^{6} + x^{5} + 3 x^{4} + 3 x^{3} + x^{2} + 3 x + 9}{(x - 1) (x^{2} + x + 1) (x^{6} + x^{3} + 1)}$$

Sequence: A154633
Score: 6.19015
Type of gen. func.: ogf

$$-\frac{3 (3 x^{4} + 20 x^{3} + 1010 x^{2} + 980 x + 35)}{(x - 1)^{5}}$$

Sequence: A154633
Score: 8.41201
Type of gen. func.: lgdogf

$$-\frac{3 x^{4} + 52 x^{3} + 3090 x^{2} + 5940 x + 1155}{(x - 1) (3 x^{4} + 20 x^{3} + 1010 x^{2} + 980 x + 35)}$$

Sequence: A154635
Score: 13.0640
Type of gen. func.: ogf

$$\frac{(-1 + 5 x) (x - 1)}{6 x^2 - 8 x + 1}$$

Sequence: A154635
Score: 15.1118
Type of gen. func.: lgdogf

$$- \frac{2 (x + 1) (2 x - 1)}{(x - 1) (-1 + 5 x) (6 x^2 - 8 x + 1)}$$

Sequence: A154635
Score: 6.72226
Type of gen. func.: ogf

$$\{-a(n + 3) + 8 a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 15\}$$

Sequence: A154635
Score: 7.44509
Type of gen. func.: ogf

$$(-5 + 7 f(x)) (6 f(x) x^2 - 8 f(x) x - 5 x^2 + f(x) + 6 x - 1)$$

Sequence: A154635
Score: 9.11043
Type of gen. func.: lgdogf

$$- \frac{-4 x^2 - 2 x + 2}{-30 x^4 + 76 x^3 - 59 x^2 + 14 x - 1}$$

Sequence: A154636
Score: 13.4723
Type of gen. func.: ogf

$$\frac{(-1 + 5 x) (x - 1)}{3 x^2 - 8 x + 1}$$

Sequence: A154636
Score: 15.2536
Type of gen. func.: lgdogf

$$- \frac{2 (11 x^2 - 2 x - 1)}{(x - 1) (-1 + 5 x) (3 x^2 - 8 x + 1)}$$

Sequence: A154636
Score: 6.93233
Type of gen. func.: ogf

{-a(n + 3) + 8 a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 18}

Sequence: A154636
Score: 7.21243
Type of gen. func.: ogf

$$-(13 f(x) - 14) (3 f(x) x^2 - 8 f(x) x - 5 x^2 + f(x) + 6 x - 1)$$

Sequence: A154636
Score: 9.27312
Type of gen. func.: lgdogf

$$- \frac{-22 x^2 + 4 x + 2}{-15 x^4 + 58 x^3 - 56 x^2 + 14 x - 1}$$

Sequence: A154637
Score: 14.1762
Type of gen. func.: ogf

$$\frac{29 x^2 - 18 x + 1}{3 x^2 - 20 x + 1}$$

Sequence: A154637
Score: 15.3311
Type of gen. func.: lgdogf

$$-\frac{2\,(263\,x^2 - 26\,x - 1)}{(29\,x^2 - 18\,x + 1)\,(3\,x^2 - 20\,x + 1)}$$

Sequence: A154637
Score: 7.48933
Type of gen. func.: ogf

$$-(2353\,f(x) - 2354)\,(3\,f(x)\,x^2 - 20\,f(x)\,x - 29\,x^2 + f(x) + 18\,x - 1)$$

Sequence: A154637
Score: 7.63335
Type of gen. func.: ogf

$$\{-a(n + 3) + 20\,a(n + 2) - 3\,a(n + 1),\ a(0) = 1,\ a(1) = 2,\ a(2) = 66\}$$

Sequence: A154637
Score: 9.80084
Type of gen. func.: lgdogf

$$-\frac{-526\,x^2 + 52\,x + 2}{-87\,x^4 + 634\,x^3 - 392\,x^2 + 38\,x - 1}$$

Sequence: A154638
Score: 11.2250
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)\,(x + 1)}{6\,x^3 - 3\,x^2 - 3\,x + 1}$$

Sequence: A154638
Score: 11.7129

Type of gen. func.: lgdogf

$$-\frac{5\,(3\,x^4+6\,x^3+3\,x^2-2\,x-1)}{(x+1)\,(x^2+x+1)\,(6\,x^3-3\,x^2-3\,x+1)}$$

Sequence: A154638
Score: 5.78001
Type of gen. func.: ogf

$$\{-a(n+4)+3\,a(n+3)+3\,a(n+2)-6\,a(n+1),\ a(0)=1,\ a(1)=5,\ a(2)=20,\ a(3)=70\}$$

Sequence: A154638
Score: 6.50859
Type of gen. func.: ogf

$$(-3+8\,f(x))\,(6\,f(x)\,x^3-3\,f(x)\,x^2-x^3-3\,f(x)\,x-2\,x^2+f(x)-2\,x-1)$$

Sequence: A154638
Score: 7.17150
Type of gen. func.: lgdogf

$$-\frac{15\,x^4+30\,x^3+15\,x^2-10\,x-5}{6\,x^6+9\,x^5+3\,x^4-5\,x^3-7\,x^2-x+1}$$

Sequence: A154656
Score: 9.17945
Type of gen. func.: lgdegf]

$$-8+(12-12\,x)\,f(x)+(-6\,x^2+12\,x-6)\,f(x)^2+(-x^3+3\,x^2-3\,x+1)\,f(x)^3$$

Sequence: A154657
Score: 8.80057
Type of gen. func.: lgdegf]

2 2 3 2 3

$$8 + (-12 + 12 x) f(x) + (6 x - 12 x + 6) f(x) + (x - 3 x + 3 x - 1) f(x)$$

Sequence: A154658
Score: 7.14147
Type of gen. func.: lgdegf]

$$8 + 24 x + (24 x^{2} - 24 x - 12) f(x) + (6 x^{3} - 18 x^{2} + 6 x + 6) f(x)^{2} + (-2 x^{3} + 3 x^{2} - 1) f(x)^{3}$$

Sequence: A154659
Score: 16.879
Type of gen. func.: egf]

$$(f(x) x - f(x) + 1)^{2}$$

Sequence: A154687
Score: 11.2973
Type of gen. func.: ogf

$$- \frac{(2 x + 1) (x^{2} + x + 1)}{(x - 1) (x + 1) (x^{2} - x + 1)}$$

Sequence: A154687
Score: 6.23609
Type of gen. func.: ogf

$$(2899 f(x) + 7050) (f(x) x^{4} - f(x) x^{3} + 2 x^{3} + f(x) x + 3 x^{2} - f(x) + 3 x + 1)$$

Sequence: A154687
Score: 8.37759
Type of gen. func.: lgdogf

$$- \frac{2 (x^{6} + 3 x^{5} + 3 x^{4} - 3 x^{3} + 3 x + 2)}{(x - 1) (2 x + 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A154691
Score: 14.1312
Type of gen. func.: ogf

$$\frac{x^2 + x + 1}{(x - 1)(x^2 + x - 1)}$$

Sequence: A154691
Score: 14.4043
Type of gen. func.: lgdogf

$$-\frac{x^4 + 2x^3 + 5x^2 - 2x - 3}{(x - 1)(x^2 + x + 1)(x^2 + x - 1)}$$

Sequence: A154691
Score: 7.80162
Type of gen. func.: lgdogf

$$-\frac{-x^4 - 2x^3 - 5x^2 + 2x + 3}{-x^5 - x^4 + x^3 + x^2 + x - 1}$$

Sequence: A154691
Score: 7.88374
Type of gen. func.: ogf

$$(41 f(x) - 36)(f(x) x^3 - 2 f(x) x - x^2 + f(x) - x - 1)$$

Sequence: A154691
Score: 7.96762
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 1, a(1) = 3, a(2) = 7\}$$

Sequence: A154699
Score: 5.84680
Type of gen. func.: lgdogf

$$-\frac{2x^{10}-2x^{9}+2x^{8}-11x^{6}+14x^{5}+6x^{4}-20x^{3}-2x^{2}+8x+1}{(x-1)(x+1)(x^{2}+x-1)(x^{2}-x-1)(2x^{5}-x^{4}-2x^{3}+x+1)}$$

Sequence: A154699
Score: 8.40579
Type of gen. func.: ogf

$$-\frac{2x^{5}-x^{4}-2x^{3}+x+1}{(x-1)(x+1)(x^{2}+x-1)(x^{2}-x-1)}$$

Sequence: A154708
Score: 15.0332
Type of gen. func.: lgdogf

$$-\frac{-2x^{2}-10x-4}{-x^{3}-3x^{2}+x+3}$$

Sequence: A154708
Score: 18.4369
Type of gen. func.: ogf

$$\frac{x+3}{(x+1)(x-1)^{2}}$$

Sequence: A154708
Score: 30.0050
Type of gen. func.: lgdogf

$$-\frac{2(x^{2}+5x+2)}{(x-1)(x+3)(x+1)}$$

Sequence: A154708
Score: 8.72459
Type of gen. func.: ogf

$$-(128 f(x) + 1163) (f(x) x^3 - f(x) x^2 - f(x) x + f(x) - x - 3)$$

Sequence: A154708
Score: 8.72460
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 3, a(1) = 4, a(2) = 7\}$$

Sequence: A154760
Score: 9.87684
Type of gen. func.: ogf

$$\frac{4 x^{10} + 4 x^8 - 2 x^5 - 6 x^4 - 2 x^3 - x^2 - x - 1}{(x - 1) (x + 1)}$$

Sequence: A154760
Score: 9.93554
Type of gen. func.: lgdogf

$$\frac{32 x^{11} - 16 x^9 - 32 x^7 - 6 x^6 - 12 x^5 + 8 x^4 + 24 x^3 + 7 x^2 + 4 x + 1}{(x - 1) (x + 1) (4 x^{10} + 4 x^8 - 2 x^5 - 6 x^4 - 2 x^3 - x^2 - x - 1)}$$

Sequence: A154805
Score: 8.78888
Type of gen. func.: lgdogf

$$- \frac{2 (15000 x^2 - x - 5000)}{(x - 1) (10000 x - 1) (x + 1)}$$

Sequence: A154806
Score: 12.0356

Type of gen. func.: ogf

$$\frac{15}{(x - 1) (16 x - 1) (x + 1)}$$

Sequence: A154806
Score: 14.0128
Type of gen. func.: lgdogf

$$- \frac{2 (24 x^2 - x - 8)}{(x - 1) (16 x - 1) (x + 1)}$$

Sequence: A154806
Score: 4.41304
Type of gen. func.: ogf

{a(n + 3) - 16 a(n + 2) - a(n + 1) + 16 a(n), a(0) = 15, a(1) = 240,

a(2) = 3855}

Sequence: A154806
Score: 4.60491
Type of gen. func.: ogf

$$-(21931 f(x) + 659200) (16 f(x) x^3 - f(x) x^2 - 16 f(x) x + f(x) - 15)$$

Sequence: A154806
Score: 7.78772
Type of gen. func.: lgdogf

$$- \frac{-48 x^2 + 2 x + 16}{-16 x^3 + x^2 + 16 x - 1}$$

Sequence: A154808
Score: 12.8017
Type of gen. func.: ogf

$$\overline{(x - 1) (32 x - 1) (x + 1)}$$

Sequence: A154808
Score: 14.5380
Type of gen. func.: lgdogf

$$- \frac{2 (48 x^2 - x - 16)}{(x - 1) (32 x - 1) (x + 1)}$$

Sequence: A154808
Score: 4.65516
Type of gen. func.: ogf

$$\{a(n + 3) - 32 a(n + 2) - a(n + 1) + 32 a(n), a(0) = 31, a(1) = 992, a(2) = 31775\}$$

Sequence: A154808
Score: 4.81431
Type of gen. func.: ogf

$$-(149943 f(x) + 9300992) (32 f(x) x^3 - f(x) x^2 - 32 f(x) x + f(x) - 31)$$

Sequence: A154808
Score: 8.28344
Type of gen. func.: lgdogf

$$- \frac{-96 x^2 + 2 x + 32}{-32 x^3 + x^2 + 32 x - 1}$$

Sequence: A154811
Score: 6.75989
Type of gen. func.: ogf

$$- \frac{x^6 + x^5 + 3 x^4 - x^3 + 3 x^2 + x + 1}{(x - 1) (x^2 + 1) (x^4 - x^2 + 1)}$$

Sequence: A154815
Score: 10.6782
Type of gen. func.: ogf

$$-\frac{x^5 + 2x^4 + 5x^3 + 4x^2 + 7x + 8}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A154825
Score: 10.2731
Type of gen. func.: ogf

$$-2 f(x)^2 x + 3 f(x) x + f(x) - 1$$

Sequence: A154825
Score: 11.6325
Type of gen. func.: lgdogf

$$-\frac{-1 + 3x + (9x^2 - 2x + 1)^{1/2}}{2x(9x^2 - 2x + 1)^{1/2}}$$

Sequence: A154825
Score: 13.7753
Type of gen. func.: revogf

$$-\frac{-2x^2 + x}{3x - 1}$$

Sequence: A154825
Score: 33.6730
Type of gen. func.: revogf

$$\frac{x(2x-1)}{3x-1}$$

Sequence: A154870
Score: 10.2658
Type of gen. func.: ogf

$$(13 f(x) - 75) (f(x) x^{3} - x^{2} + f(x) - 5 x - 7)$$

Sequence: A154870
Score: 10.4009
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n), a(0) = 7, a(1) = 5, a(2) = 1\}$$

Sequence: A154870
Score: 16.1320
Type of gen. func.: ogf

$$\frac{x^{2} + 5 x + 7}{(x + 1) (x^{2} - x + 1)}$$

Sequence: A154870
Score: 17.4576
Type of gen. func.: lgdogf

$$- \frac{x^{4} + 10 x^{3} + 21 x^{2} - 2 x - 5}{(x + 1) (x^{2} - x + 1) (x^{2} + 5 x + 7)}$$

Sequence: A154879
Score: 11.5681
Type of gen. func.: lgdogf

$$- \frac{-10 x^{2} + 12 x - 2}{-10 x^{3} + x^{2} + 8 x - 3}$$

Sequence: A154879
Score: 17.2237
Type of gen. func.: ogf

$$\frac{5 x - 3}{(x + 1) (2 x - 1)}$$

Sequence: A154879
Score: 19.1989
Type of gen. func.: revogf

$$\frac{-x - 3 + (9 x^{2} - 14 x + 9)^{1/2}}{2 (-5 + 2 x)}$$

Sequence: A154879
Score: 19.6912
Type of gen. func.: lgdogf

$$- \frac{2 (-1 + 5 x) (x - 1)}{(5 x - 3) (2 x - 1) (x + 1)}$$

Sequence: A154879
Score: 8.61184
Type of gen. func.: ogf

$$-(9 f(x) - 25) (2 f(x) x^{2} + f(x) x - f(x) - 5 x + 3)$$

Sequence: A154879
Score: 9.45202
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - 2 a(n), a(0) = 3, a(1) = -2\}$$

Sequence: A154890
Score: 13.4858
Type of gen. func.: ogf

$$- \frac{11 x^{2} - 3}{}$$

$$(x - 1) (2 x - 1) (x + 1)$$

Sequence: A154890
Score: 14.2214
Type of gen. func.: lgdogf

$$- \frac{2 (11 x^4 + 2 x^2 - 8 x + 3)}{(x - 1) (2 x - 1) (x + 1) (11 x^2 - 3)}$$

Sequence: A154890
Score: 6.92192
Type of gen. func.: ogf

$$-(f(x) - 11) (2 f(x) x^3 - f(x) x^2 - 2 f(x) x + 11 x^2 + f(x) - 3)$$

Sequence: A154890
Score: 6.98372
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) - a(n + 1) + 2 a(n), a(0) = 3, a(1) = 6, a(2) = 4}

Sequence: A154890
Score: 8.32103
Type of gen. func.: lgdogf

$$- \frac{-22 x^4 - 4 x^2 + 16 x - 6}{-22 x^5 + 11 x^4 + 28 x^3 - 14 x^2 - 6 x + 3}$$

Sequence: A154917
Score: 15.4806
Type of gen. func.: lgdogf

$$- \frac{-4 x - 1}{-2 x^2 - x + 1}$$

Sequence: A154917
Score: 20.0829
Type of gen. func.: ogf

$$-\frac{x^2}{(x+1)(2x-1)}$$

Sequence: A154917
Score: 33.4526
Type of gen. func.: lgdogf

$$-\frac{1+4x}{(x+1)(2x-1)}$$

Sequence: A154917
Score: 7.43068
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+2)+2a(n+1), a(0)=0, a(1)=0, a(2)=1\}$$

Sequence: A154920
Score: 10.3287
Type of gen. func.: ogf

$$\frac{9x^2+18x+1}{(3x-1)^2(3x+1)^2}$$

Sequence: A154920
Score: 10.8394
Type of gen. func.: lgdogf

$$-\frac{18(9x^3+27x^2+3x+1)}{(3x-1)(3x+1)(9x^2+18x+1)}$$

Sequence: A154920

Score: 5.20773
Type of gen. func.: ogf

$$\{(-9 n - 36) a(n + 1) + (n + 2) a(n + 3), a(0) = 1, a(1) = 18, a(2) = 27\}$$

Sequence: A154920
Score: 6.2598
Type of gen. func.: ogf

$$(14 f(x) - 131) (81 f(x) x^4 - 18 f(x) x^2 - 9 x^2 + f(x) - 18 x - 1)$$

Sequence: A154920
Score: 7.55756
Type of gen. func.: lgdogf

$$- \frac{-162 x^3 - 486 x^2 - 54 x - 18}{-81 x^4 - 162 x^3 + 18 x + 1}$$

Sequence: A154949
Score: 14.5372
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (x + 1) (x^3 + x^2 + x - 1)}$$

Sequence: A154949
Score: 14.8557
Type of gen. func.: lgdogf

$$- \frac{5 x^4 + 4 x^3 - 4 x - 1}{(x - 1) (x + 1) (x^3 + x^2 + x - 1)}$$

Sequence: A154949
Score: 8.90406
Type of gen. func.: lgdogf

$$-\frac{5x^4+4x^3-4x-1}{x^5+x^4-2x^2-x+1}$$

Sequence: A154955
Score: 10.2387
Type of gen. func.: ogf

$$\{a(n+2), a(0)=1, a(1)=-1\}$$

Sequence: A154955
Score: 139.619
Type of gen. func.: lgdogf

$$\frac{1}{x-1}$$

Sequence: A154955
Score: 18.9606
Type of gen. func.: ogf

$$x-1+f(x)$$

Sequence: A154955
Score: 21.3307
Type of gen. func.: lgdogf

$$\frac{1}{x-1}$$

Sequence: A154955
Score: 39.2987
Type of gen. func.: ogf_with_Euler_transform]

$$[-1]$$

Sequence: A154955
Score: 46.5396

Type of gen. func.: revegf]

$$\frac{2\,x}{1 + (1 - 2\,x)^{1/2}}$$

Sequence: A154958
Score: 13.0110
Type of gen. func.: lgdogf

$$-\frac{6\,x^3 - 5\,x^2 + 2\,x + 1}{x^4 - x^3 + x - 1}$$

Sequence: A154958
Score: 14.4122
Type of gen. func.: ogf

$$\frac{1}{(x^2 - x + 1)\,(x - 1)^2\,(x + 1)^2}$$

Sequence: A154958
Score: 21.8838
Type of gen. func.: lgdogf

$$-\frac{6\,x^3 - 5\,x^2 + 2\,x + 1}{(x - 1)\,(x + 1)\,(x^2 - x + 1)}$$

Sequence: A154958
Score: 28.3098
Type of gen. func.: ogf_with_Euler_transform]

$$x^5 - x^2 + x + 1$$

Sequence: A154964
Score: 11.6502
Type of gen. func.: lgdogf

$$-\frac{1+4x}{-24x^4-24x^3+4x^2+5x-1}$$

Sequence: A154964
Score: 14.5078
Type of gen. func.: ogf

$$\frac{4x^2+2x-1}{6x^2+3x-1}$$

Sequence: A154964
Score: 16.3941
Type of gen. func.: lgdogf

$$\frac{1+4x}{(6x^2+3x-1)(4x^2+2x-1)}$$

Sequence: A154964
Score: 7.53835
Type of gen. func.: ogf

$$\{-a(n+3)+3a(n+2)+6a(n+1), a(0)=1, a(1)=1, a(2)=5\}$$

Sequence: A154964
Score: 8.0938
Type of gen. func.: ogf

$$(-28+31f(x))(6f(x)x^2+3f(x)x-4x^2-f(x)-2x+1)$$

Sequence: A154968
Score: 10.3739
Type of gen. func.: ogf

$$9x^2+3x-1$$
$$\overline{}$$

$$(2x+1)(6x-1)$$

Sequence: A154968
Score: 14.8112
Type of gen. func.: lgdogf

$$\frac{1+6x}{(6x-1)(2x+1)(9x^2+3x-1)}$$

Sequence: A154968
Score: 5.43876
Type of gen. func.: ogf

$$\{-a(n+3)+4a(n+2)+12a(n+1), a(0)=1, a(1)=1, a(2)=7\}$$

Sequence: A154968
Score: 5.83533
Type of gen. func.: ogf

$$(-57+61f(x))(12f(x)x^2+4f(x)x-9x^2-f(x)-3x+1)$$

Sequence: A154968
Score: 8.36107
Type of gen. func.: lgdogf

$$-\frac{1+6x}{-108x^4-72x^3+9x^2+7x-1}$$

Sequence: A154992
Score: 12.0018
Type of gen. func.: ogf

$$\frac{(x+1)x^2}{(3x-1)(x-1)}$$

Sequence: A154992
Score: 17.4863
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 6 x - 5}{(x - 1) (3 x - 1) (x + 1)}$$

Sequence: A154992
Score: 5.67944
Type of gen. func.: ogf

$$\{a(n + 4) - 4 a(n + 3) + 3 a(n + 2), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 5\}$$

Sequence: A154992
Score: 7.14715
Type of gen. func.: ogf

$$-f(x) (3 f(x) x^2 - x^3 - 4 f(x) x - x^2 + f(x))$$

Sequence: A154992
Score: 9.93902
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 6 x - 5}{3 x^3 - x^2 - 3 x + 1}$$

Sequence: A154996
Score: 11.2371
Type of gen. func.: ogf

$$\frac{16 x^2 + 4 x - 1}{20 x^2 + 5 x - 1}$$

Sequence: A154996
Score: 16.3746
Type of gen. func.: lgdogf

$$\frac{1 + 8 x}{(16 x^2 + 4 x - 1) (20 x^2 + 5 x - 1)}$$

Sequence: A154996
Score: 6.00037
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) + 20 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 9\}$$

Sequence: A154996
Score: 6.30651
Type of gen. func.: ogf

$$(-96 + 101 f(x)) (20 f(x) x^2 + 5 f(x) x - 16 x^2 - f(x) - 4 x + 1)$$

Sequence: A154996
Score: 8.95707
Type of gen. func.: lgdogf

$$- \frac{1 + 8 x}{-320 x^4 - 160 x^3 + 16 x^2 + 9 x - 1}$$

Sequence: A154997
Score: 10.7302
Type of gen. func.: ogf

$$\frac{25 x^2 + 5 x - 1}{30 x^2 + 6 x - 1}$$

Sequence: A154997
Score: 15.2152
Type of gen. func.: lgdogf

$$\frac{1 + 10 x}{(25 x^2 + 5 x - 1) (30 x^2 + 6 x - 1)}$$

Sequence: A154997
Score: 5.67461
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) + 30 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 11\}$$

Sequence: A154997
Score: 5.9612
Type of gen. func.: ogf

$$(-145 + 151 f(x)) (30 f(x) x^2 + 6 f(x) x - 25 x^2 - f(x) - 5 x + 1)$$

Sequence: A154997
Score: 8.31210
Type of gen. func.: lgdogf

$$- \frac{1 + 10 x}{-750 x^4 - 300 x^3 + 25 x^2 + 11 x - 1}$$

Sequence: A154999
Score: 10.3858
Type of gen. func.: ogf

$$\frac{36 x^2 + 6 x - 1}{42 x^2 + 7 x - 1}$$

Sequence: A154999
Score: 14.7222
Type of gen. func.: lgdogf

$$\frac{1 + 12 x}{(42 x^2 + 7 x - 1) (36 x^2 + 6 x - 1)}$$

Sequence: A154999
Score: 5.49251
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) + 42 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 13\}$$

Sequence: A154999
Score: 5.76991
Type of gen. func.: ogf

$$(-204 + 211 f(x)) (42 f(x) x^2 + 7 f(x) x - 36 x^2 - f(x) - 6 x + 1)$$

Sequence: A154999
Score: 7.93362
Type of gen. func.: lgdogf

$$-\frac{1 + 12 x}{-1512 x^4 - 504 x^3 + 36 x^2 + 13 x - 1}$$

Sequence: A155000
Score: 13.5391
Type of gen. func.: lgdogf

$$\frac{1 + 14 x}{(56 x^2 + 8 x - 1) (49 x^2 + 7 x - 1)}$$

Sequence: A155000
Score: 5.05814
Type of gen. func.: ogf

$$\{-a(n + 3) + 8 a(n + 2) + 56 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 15\}$$

Sequence: A155000
Score: 5.31361
Type of gen. func.: ogf

$$(-273 + 281 f(x)) (56 f(x) x^2 + 8 f(x) x - 49 x^2 - f(x) - 7 x + 1)$$

Sequence: A155000
Score: 7.30621
Type of gen. func.: lgdogf

$$-\frac{1 + 14 x}{-2744 x^4 - 784 x^3 + 49 x^2 + 15 x - 1}$$

Sequence: A155000
Score: 9.56449
Type of gen. func.: ogf

$$\frac{49 x^2 + 7 x - 1}{56 x^2 + 8 x - 1}$$

Sequence: A155001
Score: 14.0715
Type of gen. func.: lgdogf

$$\frac{1 + 16 x}{(72 x^2 + 9 x - 1) (64 x^2 + 8 x - 1)}$$

Sequence: A155001
Score: 5.25269
Type of gen. func.: ogf

$$\{-a(n + 3) + 9 a(n + 2) + 72 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 17\}$$

Sequence: A155001
Score: 5.51798
Type of gen. func.: ogf

$$(-352 + 361 f(x)) (72 f(x) x^2 + 9 f(x) x - 64 x^2 - f(x) - 8 x + 1)$$

Sequence: A155001
Score: 7.48329

Type of gen. func.: lgdogf

$$-\frac{1 + 16 x}{-4608 x^{4} - 1152 x^{3} + 64 x^{2} + 17 x - 1}$$

Sequence: A155001
Score: 9.93236
Type of gen. func.: ogf

$$\frac{64 x^{2} + 8 x - 1}{72 x^{2} + 9 x - 1}$$

Sequence: A155017
Score: 12.4225
Type of gen. func.: lgdogf

$$\frac{1 + 18 x}{(90 x^{2} + 10 x - 1) (81 x^{2} + 9 x - 1)}$$

Sequence: A155017
Score: 4.72202
Type of gen. func.: ogf

$$\{-a(n + 3) + 10 a(n + 2) + 90 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 19\}$$

Sequence: A155017
Score: 4.95812
Type of gen. func.: ogf

$$(-441 + 451 f(x)) (90 f(x) x^{2} + 10 f(x) x - 81 x^{2} - f(x) - 9 x + 1)$$

Sequence: A155017
Score: 6.79195
Type of gen. func.: lgdogf

$$-\frac{1 + 18 x}{}$$

$$-7290 x^4 - 1620 x^3 + 81 x^2 + 19 x - 1$$

Sequence: A155017
Score: 8.85379
Type of gen. func.: ogf

$$\frac{81 x^2 + 9 x - 1}{90 x^2 + 10 x - 1}$$

Sequence: A155020
Score: 13.8630
Type of gen. func.: lgdogf

$$- \frac{2 x + 1}{-2 x^4 - 4 x^3 + x^2 + 3 x - 1}$$

Sequence: A155020
Score: 16.7402
Type of gen. func.: ogf

$$\frac{x^2 + x - 1}{2 x^2 + 2 x - 1}$$

Sequence: A155020
Score: 28.1731
Type of gen. func.: lgdogf

$$\frac{2 x + 1}{(2 x^2 + 2 x - 1) (x^2 + x - 1)}$$

Sequence: A155020
Score: 8.69832
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 3\}$$

Sequence: A155020
Score: 9.4386
Type of gen. func.: ogf

$$(-9 + 11 f(x)) (2 f(x) x^2 + 2 f(x) x - x^2 - f(x) - x + 1)$$

Sequence: A155041
Score: 10.0594
Type of gen. func.: lgdogf

$$- \frac{3 x^5 + x^4 + 3 x^3 - 5 x^2 + 3 x + 1}{x^6 - 1}$$

Sequence: A155041
Score: 11.7617
Type of gen. func.: ogf

$$- \frac{x^2 + x + 1}{(x - 1) (x^2 - x + 1) (x + 1)^2}$$

Sequence: A155041
Score: 14.6428
Type of gen. func.: lgdogf

$$- \frac{3 x^5 + x^4 + 3 x^3 - 5 x^2 + 3 x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A155041
Score: 23.0972
Type of gen. func.: ogf_with_Euler_transform]

$$x^5 - 2 x^2 + x + 1$$

Sequence: A155046
Score: 13.5039
Type of gen. func.: lgdogf

$$-\frac{2x^5+3x^4+4x^3+2x^2+6x+1}{(x^2+x+1)(x^4+2x^2-1)}$$

Sequence: A155046
Score: 13.5259
Type of gen. func.: ogf

$$-\frac{x^2+x+1}{x^4+2x^2-1}$$

Sequence: A155046
Score: 8.031
Type of gen. func.: ogf

$$(206 f(x)+57)(f(x)x^4+2f(x)x^2+x^2-f(x)+x+1)$$

Sequence: A155049
Score: 10.5502
Type of gen. func.: lgdogf

$$-\frac{50x^2+20x-18}{50x^3-55x^2-8x+1}$$

Sequence: A155049
Score: 14.6118
Type of gen. func.: revogf

$$-\frac{-1-13x+((3x+1)(43x+1))^{1/2}}{10(2x-1)}$$

Sequence: A155049
Score: 15.4886
Type of gen. func.: ogf

$$\frac{5 x + 1}{10 x^2 - 13 x + 1}$$

Sequence: A155049
Score: 16.6507
Type of gen. func.: lgdogf

$$-\frac{2 (25 x^2 + 10 x - 9)}{(5 x + 1) (10 x^2 - 13 x + 1)}$$

Sequence: A155049
Score: 8.08848
Type of gen. func.: ogf

$$(107 f(x) + 55) (10 f(x) x^2 - 13 f(x) x + f(x) - 5 x - 1)$$

Sequence: A155049
Score: 8.56426
Type of gen. func.: ogf

$$\{-a(n + 2) + 13 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 18\}$$

Sequence: A155051
Score: 6.31323
Type of gen. func.: ogf

$$-f(x)^2 x^4 + 2 f(x)^2 x^3 - f(x)^2 x^2 - f(x) x^2 - x^2 + f(x) - 2 x - 1$$

Sequence: A155069
Score: 11.441
Type of gen. func.: ogf

$$-f(x)^2 - f(x)\,x + 3\,f(x) - 2$$

Sequence: A155069
Score: 17.4793
Type of gen. func.: lgdogf

$$\frac{1}{(x^2 - 6\,x + 1)^{1/2}}$$

Sequence: A155069
Score: 21.2601
Type of gen. func.: revogf

$$\frac{(3 + (1 - 4\,x)^{1/2})\,x}{2\,(x + 2)}$$

Sequence: A155069
Score: 32.4496
Type of gen. func.: lgdogf

$$\frac{1}{(x^2 - 6\,x + 1)^{1/2}}$$

Sequence: A155069
Score: 4.43137
Type of gen. func.: ogf

{-a(n + 1) n + (6 n + 9) a(n + 2) + (-n - 3) a(n + 3), a(0) = 1, a(1) = 1,

a(2) = 2}

Sequence: A155073
Score: 10.6370
Type of gen. func.: lgdogf

$$-\frac{-48\,x^2 - 16\,x - 18}{}$$

$$-48 x^3 - 80 x^2 - 6 x + 1$$

Sequence: A155073
Score: 15.6950
Type of gen. func.: revogf

$$\frac{-12 x - 1 + ((1 + 4 x) (44 x + 1))^{1/2}}{4 (3 + 4 x)}$$

Sequence: A155073
Score: 15.9555
Type of gen. func.: ogf

$$- \frac{1 + 6 x}{8 x^2 + 12 x - 1}$$

Sequence: A155073
Score: 18.0493
Type of gen. func.: lgdogf

$$- \frac{2 (24 x^2 + 8 x + 9)}{(1 + 6 x) (8 x^2 + 12 x - 1)}$$

Sequence: A155073
Score: 8.34039
Type of gen. func.: ogf

$$(58 f(x) + 23) (8 f(x) x^2 + 12 f(x) x - f(x) + 6 x + 1)$$

Sequence: A155073
Score: 8.73755
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 18\}$$

Sequence: A155084
Score: 14.4233
Type of gen. func.: revogf

$$\frac{(-1 - 6 x + 2 (12 x^2 + 1)^{1/2}) x}{(2 x - 1)^2}$$

Sequence: A155084
Score: 6.40731
Type of gen. func.: ogf

$$4 f(x)^2 x^2 + 12 f(x)^2 x - 3 f(x)^2 - 4 f(x) x + 2 f(x) + 1$$

Sequence: A155084
Score: 8.07496
Type of gen. func.: revogf

$$\frac{(-1 - 6 x + 2 (12 x^2 + 1)^{1/2}) x}{4 x^2 - 4 x + 1}$$

Sequence: A155086
Score: 10.3053
Type of gen. func.: lgdogf

$$- \frac{5 x^3 + 11 x^2 + 28 x + 8}{5 x^4 + 3 x^3 - 3 x - 5}$$

Sequence: A155086
Score: 12.5015
Type of gen. func.: ogf

$$\frac{5 x^2 + 3 x + 5}{(x + 1) (x - 1)^2}$$

Sequence: A155086
Score: 15.2405
Type of gen. func.: lgdogf

$$-\frac{5x^3 + 11x^2 + 28x + 8}{(x - 1)(x + 1)(5x^2 + 3x + 5)}$$

Sequence: A155086
Score: 6.74858
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 5, a(1) = 8, a(2) = 18\}$$

Sequence: A155086
Score: 7.12965
Type of gen. func.: ogf

$$-(17 f(x) + 371)(f(x) x^3 - f(x) x^2 - f(x) x - 5 x^2 + f(x) - 3 x - 5)$$

Sequence: A155095
Score: 10.9564
Type of gen. func.: lgdogf

$$-\frac{-4x^3 - 22x^2 - 29x - 13}{-4x^4 - 9x^3 + 9x + 4}$$

Sequence: A155095
Score: 13.4710
Type of gen. func.: ogf

$$\frac{4x^2 + 9x + 4}{(x + 1)(x - 1)^2}$$

Sequence: A155095
Score: 16.4444
Type of gen. func.: lgdogf

$$-\frac{4 x^{3} + 22 x^{2} + 29 x + 13}{(x - 1) (x + 1) (4 x^{2} + 9 x + 4)}$$

Sequence: A155095
Score: 7.02334
Type of gen. func.: ogf

$$-(35 f(x) + 19) (f(x) x^{3} - f(x) x^{2} - f(x) x - 4 x^{2} + f(x) - 9 x - 4)$$

Sequence: A155095
Score: 7.20816
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 4, a(1) = 13, a(2) = 21\}$$

Sequence: A155096
Score: 10.5874
Type of gen. func.: lgdogf

$$-\frac{12 x^{3} + 22 x^{2} + 65 x + 17}{12 x^{4} + 5 x^{3} - 5 x - 12}$$

Sequence: A155096
Score: 13.1083
Type of gen. func.: ogf

$$\frac{12 x^{2} + 5 x + 12}{(x + 1) (x - 1)^{2}}$$

Sequence: A155096
Score: 15.5758
Type of gen. func.: lgdogf

$$-\frac{12 x^{3} + 22 x^{2} + 65 x + 17}{(x - 1) (x + 1) (12 x^{2} + 5 x + 12)}$$

Sequence: A155096
Score: 6.71399
Type of gen. func.: ogf

$$-(301 f(x) + 11609) (f(x) x^{3} - f(x) x^{2} - f(x) x - 12 x^{2} + f(x) - 5 x - 12)$$

Sequence: A155096
Score: 7.18104
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 12, a(1) = 17, a(2) = 41\}$$

Sequence: A155097
Score: 10.7765
Type of gen. func.: lgdogf

$$-\frac{-6 x^{3} - 56 x^{2} - 55 x - 31}{-6 x^{4} - 25 x^{3} + 25 x + 6}$$

Sequence: A155097
Score: 13.3837
Type of gen. func.: ogf

$$\frac{6 x^{2} + 25 x + 6}{(x + 1) (x - 1)^{2}}$$

Sequence: A155097
Score: 16.2782
Type of gen. func.: lgdogf

3 2

$$-\frac{6 x + 56 x + 55 x + 31}{(x - 1) (x + 1) (6 x^{2} + 25 x + 6)}$$

Sequence: A155097
Score: 7.15337
Type of gen. func.: ogf

$$(19 f(x) + 4303) (f(x) x^{3} - f(x) x^{2} - f(x) x - 6 x^{2} + f(x) - 25 x - 6)$$

Sequence: A155097
Score: 7.27887
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 6, a(1) = 31, a(2) = 43\}$$

Sequence: A155098
Score: 10.6735
Type of gen. func.: lgdogf

$$-\frac{-9 x^{3} - 55 x^{2} - 68 x - 32}{-9 x^{4} - 23 x^{3} + 23 x + 9}$$

Sequence: A155098
Score: 13.2558
Type of gen. func.: ogf

$$\frac{9 x^{2} + 23 x + 9}{(x + 1) (x - 1)^{2}}$$

Sequence: A155098
Score: 16.1211
Type of gen. func.: lgdogf

$$-\frac{9 x^{3} + 55 x^{2} + 68 x + 32}{{}^{2}}$$

$$(x - 1) (x + 1) (9 x + 23 x + 9)$$

Sequence: A155098
Score: 7.02443
Type of gen. func.: ogf

$$-(91 f(x) + 5) (f(x) x^3 - f(x) x^2 - f(x) x - 9 x^2 + f(x) - 23 x - 9)$$

Sequence: A155098
Score: 7.20928
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 9, a(1) = 32, a(2) = 50\}$$

Sequence: A155107
Score: 10.1483
Type of gen. func.: lgdogf

$$- \frac{-23 x^3 - 37 x^2 - 122 x - 30}{-23 x^4 - 7 x^3 + 7 x + 23}$$

Sequence: A155107
Score: 12.7256
Type of gen. func.: ogf

$$\frac{23 x^2 + 7 x + 23}{(x + 1) (x - 1)^2}$$

Sequence: A155107
Score: 14.8330
Type of gen. func.: lgdogf

$$- \frac{23 x^3 + 37 x^2 + 122 x + 30}{(x - 1) (x + 1) (23 x^2 + 7 x + 23)}$$

Sequence: A155107
Score: 6.51801
Type of gen. func.: ogf

$$-(340 f(x) + 21723) (f(x) x^3 - f(x) x^2 - f(x) x - 23 x^2 + f(x) - 7 x - 23)$$

Sequence: A155107
Score: 6.97143
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 23, a(1) = 30, a(2) = 76\}$$

Sequence: A155110
Score: 11.7148
Type of gen. func.: lgdogf

$$-\frac{-x^2 + 2 x - 2}{-x^3 + 4 x^2 - 4 x + 1}$$

Sequence: A155110
Score: 16.6610
Type of gen. func.: ogf

$$-\frac{8 (x - 1)}{x^2 - 3 x + 1}$$

Sequence: A155110
Score: 17.9614
Type of gen. func.: revogf

$$-\frac{-8 - 3 x + (5 x^2 + 16 x + 64)^{1/2}}{2 (8 + x)}$$

Sequence: A155110
Score: 24.5472

Type of gen. func.: lgdogf

$$-\frac{x^2 - 2x + 2}{(x - 1)(x^2 - 3x + 1)}$$

Sequence: A155110
Score: 8.23897
Type of gen. func.: ogf

$$-(21 f(x) - 40) (f(x) x^2 - 3 f(x) x + f(x) + 8 x - 8)$$

Sequence: A155110
Score: 9.03307
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + a(n), a(0) = 8, a(1) = 16\}$$

Sequence: A155116
Score: 10.5117
Type of gen. func.: lgdogf

$$-\frac{-4x - 2}{3x^4 + 6x^3 - x^2 - 4x + 1}$$

Sequence: A155116
Score: 12.6933
Type of gen. func.: ogf

$$\frac{x^2 + x - 1}{3x^2 + 3x - 1}$$

Sequence: A155116
Score: 19.9961
Type of gen. func.: lgdogf

$$2 (2 x + 1)$$

```
-----------------------------
    2              2
(3 x  + 3 x - 1) (x  + x - 1)
```

Sequence: A155116
Score: 6.59555
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + 3 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 8\}$$

Sequence: A155116
Score: 7.08153
Type of gen. func.: ogf

$$(-13 + 19 f(x)) (3 f(x) x^2 + 3 f(x) x - x^2 - f(x) - x + 1)$$

Sequence: A155117
Score: 11.1394
Type of gen. func.: ogf

$$\frac{x^2 + x - 1}{4 x^2 + 4 x - 1}$$

Sequence: A155117
Score: 17.5159
Type of gen. func.: lgdogf

$$\frac{3 (2 x + 1)}{(4 x^2 + 4 x - 1) (x^2 + x - 1)}$$

Sequence: A155117
Score: 5.73193
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) + 4 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 15\}$$

Sequence: A155117
Score: 6.21462
Type of gen. func.: ogf

$$(-17 + 29 f(x)) (4 f(x) x^2 + 4 f(x) x - x^2 - f(x) - x + 1)$$

Sequence: A155117
Score: 9.22483
Type of gen. func.: lgdogf

$$-\frac{6 x + 3}{-4 x^4 - 8 x^3 + x^2 + 5 x - 1}$$

Sequence: A155119
Score: 3.67245
Type of gen. func.: ogf

$$-\frac{4000000000000 x^{18} - 11000000000000 x^{17} + 6000000000000 x^{16} - x^2 - x + 1}{35000000000000 x^{17} - 6000000000000 x^{16} + 5 x^2 + 5 x - 1}$$

Sequence: A155119
Score: 6.83283
Type of gen. func.: ogf

$$(-21 + 41 f(x)) (5 f(x) x^2 + 5 f(x) x - x^2 - f(x) - x + 1)$$

Sequence: A155120
Score: 11.8282
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 + 2 x^2 + 8 x + 1)}{(x - 1) (2 x^3 - x^2 + 6 x - 1)}$$

Sequence: A155120
Score: 3.71623
Type of gen. func.: ogf

$$(18819 f(x) + 27505) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 x^3 - 4 f(x) x + 2 x^2 + f(x) - 12 x + 2)$$

Sequence: A155120
Score: 6.95603
Type of gen. func.: ogf

$$\frac{2 (2 x^3 - x^2 + 6 x - 1)}{(x - 1)^4}$$

Sequence: A155121
Score: 6.72637
Type of gen. func.: ogf

$$\frac{3 x^4 - 32 x^3 - 2 x^2 - 20 x + 3}{(x - 1)^5}$$

Sequence: A155121
Score: 9.87933
Type of gen. func.: lgdogf

$$- \frac{3 x^4 - 52 x^3 - 102 x^2 - 84 x - 5}{(x - 1) (3 x^4 - 32 x^3 - 2 x^2 - 20 x + 3)}$$

Sequence: A155122
Score: 11.3913
Type of gen. func.: lgdogf

$$- \frac{105 x^2 + 210 x + 45}{35 x^3 - 33 x - 2}$$

Sequence: A155122
Score: 17.6862
Type of gen. func.: lgdogf

$$-\frac{15 (7 x^2 + 14 x + 3)}{(x - 1) (35 x^2 + 35 x + 2)}$$

Sequence: A155122
Score: 3.73778
Type of gen. func.: ogf

{(6 + 2 n) a(n + 4) + (21 + 33 n) a(n + 3) - 210 a(n + 2)

+ (-105 - 35 n) a(n + 1), a(0) = 0, a(1) = 16, a(2) = 360, a(3) = 1920}

Sequence: A155122
Score: 8.15515
Type of gen. func.: ogf

$$-\frac{8 x (35 x^2 + 35 x + 2)}{(x - 1)^5}$$

Sequence: A155127
Score: 10.7394
Type of gen. func.: ogf

$$\frac{x^2 + x - 1}{6 x^2 + 6 x - 1}$$

Sequence: A155127
Score: 16.8850
Type of gen. func.: lgdogf

$$\frac{5 (2 x + 1)}{(6 x^2 + 6 x - 1) (x^2 + x - 1)}$$

Sequence: A155127
Score: 5.52611
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) + 6 a(n + 1), a(0) = 1, a(1) = 5, a(2) = 35\}$$

Sequence: A155127
Score: 6.0552
Type of gen. func.: ogf

$$(-5 + 11 f(x)) (6 f(x) x^2 + 6 f(x) x - x^2 - f(x) - x + 1)$$

Sequence: A155127
Score: 8.62408
Type of gen. func.: lgdogf

$$- \frac{10 x + 5}{-6 x^4 - 12 x^3 + x^2 + 7 x - 1}$$

Sequence: A155130
Score: 11.4177
Type of gen. func.: ogf

$$\frac{x^2 + x - 1}{7 x^2 + 7 x - 1}$$

Sequence: A155130
Score: 17.9744
Type of gen. func.: lgdogf

$$\frac{6 (2 x + 1)}{(x^2 + x - 1) (7 x^2 + 7 x - 1)}$$

Sequence: A155130
Score: 5.87512
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) + 7 a(n + 1), a(0) = 1, a(1) = 6, a(2) = 48\}$$

Sequence: A155130
Score: 6.36987
Type of gen. func.: ogf

$$(-29 + 71 f(x)) (7 f(x) x^2 + 7 f(x) x - x^2 - f(x) - x + 1)$$

Sequence: A155130
Score: 9.16874
Type of gen. func.: lgdogf

$$-\frac{12 x + 6}{-7 x^4 - 14 x^3 + x^2 + 8 x - 1}$$

Sequence: A155132
Score: 10.7222
Type of gen. func.: ogf

$$\frac{x^2 + x - 1}{8 x^2 + 8 x - 1}$$

Sequence: A155132
Score: 16.8636
Type of gen. func.: lgdogf

$$\frac{7 (2 x + 1)}{(8 x^2 + 8 x - 1) (x^2 + x - 1)}$$

Sequence: A155132
Score: 5.51725
Type of gen. func.: ogf

$$\{-a(n + 3) + 8 a(n + 2) + 8 a(n + 1), a(0) = 1, a(1) = 7, a(2) = 63\}$$

Sequence: A155132
Score: 5.98186
Type of gen. func.: ogf

$$(-33 + 89 f(x)) (8 f(x) x^2 + 8 f(x) x - x^2 - f(x) - x + 1)$$

Sequence: A155132
Score: 8.61026
Type of gen. func.: lgdogf

$$- \frac{14 x + 7}{-8 x^4 - 16 x^3 + x^2 + 9 x - 1}$$

Sequence: A155135
Score: 8.69141
Type of gen. func.: lgdogf

$$\frac{18 x^9 - 27 x^8 - 44 x^7 + 101 x^6 - 48 x^5 - 27 x^2 + 60 x - 27}{(x - 1) (3 x^9 - 11 x^7 + 8 x^6 + 27 x^2 - 57 x + 28)}$$

Sequence: A155135
Score: 9.14482
Type of gen. func.: ogf

$$\frac{3 x^9 - 11 x^7 + 8 x^6 + 27 x^2 - 57 x + 28}{(x - 1)^3}$$

Sequence: A155136
Score: 11.3504
Type of gen. func.: lgdogf

$$- \frac{27 x^2 - 60 x + 27}{27 x^3 - 84 x^2 + 85 x - 28}$$

Sequence: A155136
Score: 12.5918
Type of gen. func.: ogf

$$\frac{(9 x - 7) (3 x - 4)}{(x - 1)^3}$$

Sequence: A155136
Score: 20.8641
Type of gen. func.: lgdogf

$$- \frac{3 (9 x^2 - 20 x + 9)}{(x - 1) (9 x - 7) (3 x - 4)}$$

Sequence: A155136
Score: 6.88784
Type of gen. func.: ogf

$$(20 f(x) - 637) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 27 x^2 - f(x) + 57 x - 28)$$

Sequence: A155136
Score: 7.00762
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = -28, a(1) = -27, a(2) = -24}

Sequence: A155137
Score: 6.25118
Type of gen. func.: ogf

$$\frac{3 x (5 x^9 + x^8 - 19 x^7 + x^6 + 16 x^5 + 9 x^2 - 20 x + 9)}{(x - 1)^4}$$

Sequence: A155137
Score: 6.81389
Type of gen. func.: lgdogf

$$\frac{25 x^9 - 41 x^8 - 65 x^7 + 135 x^6 + 10 x^5 - 80 x^4 - 18 x^2 + 42 x - 16}{(x - 1) (5 x^9 + x^8 - 19 x^7 + x^6 + 16 x^5 + 9 x^2 - 20 x + 9)}$$

Sequence: A155138
Score: 6.86347
Type of gen. func.: ogf

$$\frac{3 x (10 x^8 - 8 x^7 - 30 x^6 + 32 x^5 + 9 x^2 - 20 x + 9)}{(x - 1)^4}$$

Sequence: A155138
Score: 7.57568
Type of gen. func.: lgdogf

$$\frac{2 (20 x^8 - 52 x^7 - 2 x^6 + 106 x^5 - 80 x^4 - 9 x^2 + 21 x - 8)}{(x - 1) (10 x^8 - 8 x^7 - 30 x^6 + 32 x^5 + 9 x^2 - 20 x + 9)}$$

Sequence: A155144
Score: 10.7778
Type of gen. func.: ogf

$$\frac{x^2 + x - 1}{9 x^2 + 9 x - 1}$$

Sequence: A155144
Score: 16.9528
Type of gen. func.: lgdogf

$$\frac{8 (2 x + 1)}{(9 x^2 + 9 x - 1) (x^2 + x - 1)}$$

Sequence: A155144
Score: 5.54583
Type of gen. func.: ogf

$$\{-a(n + 3) + 9\, a(n + 2) + 9\, a(n + 1),\ a(0) = 1,\ a(1) = 8,\ a(2) = 80\}$$

Sequence: A155144
Score: 5.95022
Type of gen. func.: ogf

$$(-37 + 109\, f(x))\, (9\, f(x)\, x^2 + 9\, f(x)\, x - x^2 - f(x) - x + 1)$$

Sequence: A155144
Score: 8.52569
Type of gen. func.: lgdogf

$$-\frac{16\, x + 8}{-9\, x^4 - 18\, x^3 + x^2 + 10\, x - 1}$$

Sequence: A155148
Score: 3.63861
Type of gen. func.: ogf

$$-10\, f(x)\, x + 20\, x^2 + f(x) + 17\, x - 2$$

Sequence: A155148
Score: 4.24506
Type of gen. func.: ogf

$$\frac{20\, x^2 + 17\, x - 2}{10\, x - 1}$$

Sequence: A155149
Score: 3.22314
Type of gen. func.: ogf

$$(40\, x^9 + 100\, x^8 + 166\, x^7 + 130\, x^6 + 90\, x^5 + 74\, x^4 + 39\, x^3 + 31\, x^2 - 5\, x - 4)$$

$$\Big/ \ (10 x^2 - 1)$$

Sequence: A155155
Score: 13.6589
Type of gen. func.: ogf

$$- \frac{2 (7 x - 9)}{(3 x - 1) (x - 1)}$$

Sequence: A155155
Score: 16.1347
Type of gen. func.: lgdogf

$$- \frac{21 x^2 - 54 x + 29}{(x - 1) (3 x - 1) (7 x - 9)}$$

Sequence: A155155
Score: 16.5593
Type of gen. func.: revogf

$$- \frac{-9 - 2 x + (x^2 + 22 x + 81)^{1/2}}{14 + 3 x}$$

Sequence: A155155
Score: 7.13297
Type of gen. func.: ogf

$$(31 f(x) + 283) (3 f(x) x^2 - 4 f(x) x + f(x) + 14 x - 18)$$

Sequence: A155155
Score: 7.64245
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 3 a(n), a(0) = 18, a(1) = 58\}$$

Sequence: A155155
Score: 9.17094
Type of gen. func.: lgdogf

$$-\frac{-21 x^2 + 54 x - 29}{-21 x^3 + 55 x^2 - 43 x + 9}$$

Sequence: A155157
Score: 15.3603
Type of gen. func.: lgdogf

$$\frac{9 (2 x + 1)}{(x^2 + x - 1) (10 x^2 + 10 x - 1)}$$

Sequence: A155157
Score: 5.23019
Type of gen. func.: ogf

{-a(n + 3) + 10 a(n + 2) + 10 a(n + 1), a(0) = 1, a(1) = 9, a(2) = 99}

Sequence: A155157
Score: 5.60378
Type of gen. func.: ogf

$$(-41 + 131 f(x)) (10 f(x) x^2 + 10 f(x) x - x^2 - f(x) - x + 1)$$

Sequence: A155157
Score: 8.07603
Type of gen. func.: lgdogf

$$-\frac{18 x + 9}{-10 x^4 - 20 x^3 + x^2 + 11 x - 1}$$

Sequence: A155157
Score: 9.98491
Type of gen. func.: ogf

$$\frac{x^2 + x - 1}{10 x^2 + 10 x - 1}$$

Sequence: A155158
Score: 12.7789
Type of gen. func.: ogf

$$-\frac{(x + 1) (3 x + 1)}{(x^2 + 1) (x - 1)}$$

Sequence: A155158
Score: 6.60602
Type of gen. func.: ogf

$$-(87 f(x) + 967) (f(x) x^3 - f(x) x^2 + f(x) x + 3 x^2 - f(x) + 4 x + 1)$$

Sequence: A155158
Score: 6.95992
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 5, a(2) = 7}

Sequence: A155158
Score: 9.60323
Type of gen. func.: lgdogf

$$-\frac{3 x^4 + 8 x^3 - 4 x^2 + 4 x + 5}{(x - 1) (3 x + 1) (x + 1) (x^2 + 1)}$$

Sequence: A155158
Score: 9.74389
Type of gen. func.: lgdogf

$$-\frac{3 x^4 + 8 x^3 - 4 x^2 + 4 x + 5}{}$$

$$3x^5 + x^4 - 3x - 1$$

Sequence: A155179
Score: 11.3588
Type of gen. func.: ogf

$$\frac{x^2 + x - 1}{x^2 + 4x - 1}$$

Sequence: A155179
Score: 19.0152
Type of gen. func.: lgdogf

$$\frac{3(x^2 + 1)}{(x^2 + x - 1)(x^2 + 4x - 1)}$$

Sequence: A155179
Score: 5.84480
Type of gen. func.: ogf

$$\{a(n+3) - 4a(n+2) - a(n+1), a(0) = 1, a(1) = 3, a(2) = 12\}$$

Sequence: A155179
Score: 8.47908
Type of gen. func.: ogf

$$-f(x)x^2 - 4f(x)x + x^2 + f(x) + x - 1$$

Sequence: A155179
Score: 8.85315
Type of gen. func.: lgdogf

$$-\frac{3x^2 + 3}{-x^4 - 5x^3 - 2x^2 + 5x - 1}$$

Sequence: A155181
Score: 11.6643
Type of gen. func.: ogf

$$\frac{x^2 + x - 1}{x^2 + 5 x - 1}$$

Sequence: A155181
Score: 19.5433
Type of gen. func.: lgdogf

$$\frac{4 (x^2 + 1)}{(x^2 + x - 1) (x^2 + 5 x - 1)}$$

Sequence: A155181
Score: 6.00202
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 4, a(2) = 20\}$$

Sequence: A155181
Score: 8.70716
Type of gen. func.: ogf

$$-f(x) x^2 - 5 f(x) x + x^2 + f(x) + x - 1$$

Sequence: A155181
Score: 9.09129
Type of gen. func.: lgdogf

$$- \frac{-4 x^2 - 4}{x^4 + 6 x^3 + 3 x^2 - 6 x + 1}$$

Sequence: A155195
Score: 11.4313
Type of gen. func.: ogf

$$\frac{x^2 + x - 1}{x^2 + 6 x - 1}$$

Sequence: A155195
Score: 19.1510
Type of gen. func.: lgdogf

$$\frac{5 (x^2 + 1)}{(x^2 + x - 1) (x^2 + 6 x - 1)}$$

Sequence: A155195
Score: 5.88213
Type of gen. func.: ogf

{a(n + 3) - 6 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 5, a(2) = 30}

Sequence: A155195
Score: 8.53324
Type of gen. func.: ogf

$$-f(x) x^2 - 6 f(x) x + x^2 + f(x) + x - 1$$

Sequence: A155195
Score: 8.90969
Type of gen. func.: lgdogf

$$- \frac{-5 x^2 - 5}{x^4 + 7 x^3 + 4 x^2 - 7 x + 1}$$

Sequence: A155196
Score: 11.0220

Type of gen. func.: ogf

$$\frac{x^2 + x - 1}{x^2 + 7 x - 1}$$

Sequence: A155196
Score: 18.4576
Type of gen. func.: lgdogf

$$\frac{6 (x^2 + 1)}{(x^2 + x - 1) (x^2 + 7 x - 1)}$$

Sequence: A155196
Score: 5.67152
Type of gen. func.: ogf

{a(n + 3) - 7 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 6, a(2) = 42}

Sequence: A155196
Score: 8.22772
Type of gen. func.: ogf

$$-f(x) x^2 - 7 f(x) x + x^2 + f(x) + x - 1$$

Sequence: A155196
Score: 8.59069
Type of gen. func.: lgdogf

$$- \frac{6 x^2 + 6}{-x^4 - 8 x^3 - 5 x^2 + 8 x - 1}$$

Sequence: A155197
Score: 11.5873
Type of gen. func.: ogf

$$\frac{x^2 + x - 1}{x^2 + 8 x - 1}$$

Sequence: A155197
Score: 19.4239
Type of gen. func.: lgdogf

$$\frac{7 (x^2 + 1)}{(x^2 + x - 1) (x^2 + 8 x - 1)}$$

Sequence: A155197
Score: 5.96238
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 7, a(2) = 56\}$$

Sequence: A155197
Score: 8.64965
Type of gen. func.: ogf

$$-f(x) x^2 - 8 f(x) x + x^2 + f(x) + x - 1$$

Sequence: A155197
Score: 9.03125
Type of gen. func.: lgdogf

$$- \frac{-7 x^2 - 7}{x^4 + 9 x^3 + 6 x^2 - 9 x + 1}$$

Sequence: A155198
Score: 10.7778
Type of gen. func.: ogf

$$\frac{x^2 + x - 1}{}$$

$$x^2 + 9x - 1$$

Sequence: A155198
Score: 18.0466
Type of gen. func.: lgdogf

$$\frac{8(x^2 + 1)}{(x^2 + x - 1)(x^2 + 9x - 1)}$$

Sequence: A155198
Score: 5.54583
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 8, a(2) = 72\}$$

Sequence: A155198
Score: 8.04537
Type of gen. func.: ogf

$$-f(x) x^2 - 9 f(x) x + x^2 + f(x) + x - 1$$

Sequence: A155198
Score: 8.16030
Type of gen. func.: lgdogf

$$-\frac{-8x^2 - 8}{x^4 + 10x^3 + 7x^2 - 10x + 1}$$

Sequence: A155199
Score: 10.2753
Type of gen. func.: ogf

$$-f(x) x^2 - 10 f(x) x + x^2 + f(x) + x - 1$$

Sequence: A155199
Score: 5.00257
Type of gen. func.: ogf

$$\{a(n + 3) - 10 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 9, a(2) = 90\}$$

Sequence: A155199
Score: 7.43239
Type of gen. func.: lgdogf

$$-\frac{9 x^2 + 9}{-x^4 - 11 x^3 - 8 x^2 + 11 x - 1}$$

Sequence: A155199
Score: 9.63457
Type of gen. func.: ogf

$$\frac{x^2 + x - 1}{x^2 + 10 x - 1}$$

Sequence: A155212
Score: 12.9033
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 2 x - 7}{2 x^3 - 3 x^2 - x + 2}$$

Sequence: A155212
Score: 13.5379
Type of gen. func.: ogf

$$\frac{2 x^2 - x - 2}{(x - 1)^3}$$

Sequence: A155212
Score: 22.5001
Type of gen. func.: lgdogf

$$-\frac{2 x^2 - 12 x + 13}{(x - 1) (2 x^2 - 8 x + 7)}$$

Sequence: A155212
Score: 6.93958
Type of gen. func.: ogf

$$-(47 f(x) - 1399) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 2 x^2 - f(x) + x + 2)$$

Sequence: A155212
Score: 7.30804
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2, a(1) = 7, a(2) = 13\}$$

Sequence: A155449
Score: 10.9564
Type of gen. func.: lgdogf

$$-\frac{6 x^3 + 16 x^2 + 35 x + 11}{6 x^4 + 5 x^3 - 5 x - 6}$$

Sequence: A155449
Score: 13.4710
Type of gen. func.: ogf

$$\frac{6 x^2 + 5 x + 6}{(x + 1) (x - 1)^2}$$

Sequence: A155449
Score: 16.4444

Type of gen. func.: lgdogf

$$-\frac{6 x^3 + 16 x^2 + 35 x + 11}{(x - 1) (x + 1) (6 x^2 + 5 x + 6)}$$

Sequence: A155449
Score: 6.9053
Type of gen. func.: ogf

$$-(19 f(x) + 1043) (f(x) x^3 - f(x) x^2 - f(x) x - 6 x^2 + f(x) - 5 x - 6)$$

Sequence: A155449
Score: 7.20816
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 6, a(1) = 11, a(2) = 23}

Sequence: A155450
Score: 10.8272
Type of gen. func.: lgdogf

$$-\frac{-5 x^3 - 31 x^2 - 38 x - 18}{-5 x^4 - 13 x^3 + 13 x + 5}$$

Sequence: A155450
Score: 13.4467
Type of gen. func.: ogf

$$\frac{5 x^2 + 13 x + 5}{(x + 1) (x - 1)^2}$$

Sequence: A155450
Score: 16.3548
Type of gen. func.: lgdogf

$$-\frac{5x^3 + 31x^2 + 38x + 18}{(x-1)(x+1)(5x^2 + 13x + 5)}$$

Sequence: A155450
Score: 7.31313
Type of gen. func.: ogf

$$\{a(n+3) - a(n+2) - a(n+1) + a(n), a(0) = 5, a(1) = 18, a(2) = 28\}$$

Sequence: A155450
Score: 7.37786
Type of gen. func.: ogf

$$(14 f(x) - 3)(f(x) x^3 - f(x) x^2 - f(x) x - 5 x^2 + f(x) - 13 x - 5)$$

Sequence: A155455
Score: 11.9345
Type of gen. func.: lgdogf

$$-\frac{-32x - 5}{-16x^2 - 5x + 1}$$

Sequence: A155455
Score: 14.6898
Type of gen. func.: lgdogf

$$\frac{16x^2 + 1}{(16x^2 + 5x - 1)(16x^2 + 4x - 1)}$$

Sequence: A155455
Score: 15.7033
Type of gen. func.: ogf

$$-\frac{x}{16x^2 + 5x - 1}$$

Sequence: A155455
Score: 7.27715
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + 16 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A155455
Score: 9.94544
Type of gen. func.: ogf

$$-16 f(x) x^2 - 5 f(x) x + f(x) - x$$

Sequence: A155456
Score: 4.05155
Type of gen. func.: ogf

$$\{n^2 a(n) + (n^2 + 4 n + 2) a(n + 1) + (n + 2) a(n + 2), a(0) = -1, a(1) = -1\}$$

Sequence: A155458
Score: 11.7906
Type of gen. func.: ogf

$$\frac{25 x^2 + 5 x - 1}{25 x^2 + 6 x - 1}$$

Sequence: A155458
Score: 15.9076
Type of gen. func.: lgdogf

$$\frac{25 x^2 + 1}{(25 x^2 + 6 x - 1) (25 x^2 + 5 x - 1)}$$

Sequence: A155458

Score: 6.29595
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) - 25 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 6\}$$

Sequence: A155458
Score: 8.64644
Type of gen. func.: lgdogf

$$- \frac{25 x^{2} + 1}{-625 x^{4} - 275 x^{3} + 20 x^{2} + 11 x - 1}$$

Sequence: A155458
Score: 8.88333
Type of gen. func.: ogf

$$-25 f(x) x^{2} - 6 f(x) x + 25 x^{2} + f(x) + 5 x - 1$$

Sequence: A155459
Score: 10.0646
Type of gen. func.: ogf

$$\frac{36 x^{2} + 6 x - 1}{36 x^{2} + 7 x - 1}$$

Sequence: A155459
Score: 5.37432
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) - 36 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 7\}$$

Sequence: A155459
Score: 7.28362
Type of gen. func.: lgdogf

$$- \frac{36 x^{2} + 1}{}$$

$$-1296 x^4 - 468 x^3 + 30 x^2 + 13 x - 1$$

Sequence: A155459
Score: 7.58294
Type of gen. func.: ogf

$$-36 f(x) x^2 - 7 f(x) x + 36 x^2 + f(x) + 6 x - 1$$

Sequence: A155460
Score: 10.5465
Type of gen. func.: ogf

$$\frac{49 x^2 + 7 x - 1}{49 x^2 + 8 x - 1}$$

Sequence: A155460
Score: 14.2069
Type of gen. func.: lgdogf

$$\frac{49 x^2 + 1}{(49 x^2 + 7 x - 1) (49 x^2 + 8 x - 1)}$$

Sequence: A155460
Score: 5.63160
Type of gen. func.: ogf

{a(n + 3) - 8 a(n + 2) - 49 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 8}

Sequence: A155460
Score: 7.63230
Type of gen. func.: lgdogf

$$- \frac{49 x^2 + 1}{-2401 x^4 - 735 x^3 + 42 x^2 + 15 x - 1}$$

Sequence: A155460
Score: 7.94595
Type of gen. func.: ogf

$$-49 f(x) x^2 - 8 f(x) x + 49 x^2 + f(x) + 7 x - 1$$

Sequence: A155461
Score: 10.9795
Type of gen. func.: lgdogf

$$-\frac{21 x^2 + 56 x - 83}{21 x^3 - 14 x^2 - 37 x + 30}$$

Sequence: A155461
Score: 12.3737
Type of gen. func.: ogf

$$\frac{21 x^2 + 7 x - 30}{(x - 1)^3}$$

Sequence: A155461
Score: 19.1102
Type of gen. func.: lgdogf

$$-\frac{21 x^2 + 56 x - 83}{(x - 1) (21 x^2 + 7 x - 30)}$$

Sequence: A155461
Score: 6.33775
Type of gen. func.: ogf

$$(4996 f(x) - 56915325)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 21 x^2 - f(x) - 7 x + 30)$$

Sequence: A155461
Score: 6.72020
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 30, a(1) = 83, a(2) = 138\}$$

Sequence: A155464
Score: 10.0027
Type of gen. func.: ogf

$$\frac{17 x (x - 3)}{(x - 1) (x^2 - 6 x + 1)}$$

Sequence: A155464
Score: 12.3654
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - 8 x^2 + 21 x - 10)}{(x - 1) (x - 3) (x^2 - 6 x + 1)}$$

Sequence: A155464
Score: 5.08758
Type of gen. func.: ogf

$$-(20 f(x) + 153) (f(x) x^3 - 7 f(x) x^2 + 7 f(x) x - 17 x^2 - f(x) + 51 x)$$

Sequence: A155464
Score: 5.17683
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) - 7 a(n + 1) + a(n), a(0) = 0, a(1) = 51, a(2) = 340\}$$

Sequence: A155464
Score: 6.86231
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 16 x^2 + 42 x - 20}{x^4 - 10 x^3 + 28 x^2 - 22 x + 3}$$

Sequence: A155465
Score: 4.66777
Type of gen. func.: ogf

$$-(5948248 f(x) - 5798827)$$

$$(f(x) x^3 - 7 f(x) x^2 + 7 f(x) x - 12 x^2 - f(x) + 39 x + 7)$$

Sequence: A155465
Score: 5.23602
Type of gen. func.: ogf

$\{-a(n + 3) + 7 a(n + 2) - 7 a(n + 1) + a(n), a(0) = 7, a(1) = 88, a(2) = 555\}$

Sequence: A155465
Score: 8.80834
Type of gen. func.: lgdogf

$$-\frac{2 (6 x^4 - 39 x^3 + 84 x^2 + 61 x - 44)}{(x - 1) (x^2 - 6 x + 1) (12 x^2 - 39 x - 7)}$$

Sequence: A155465
Score: 9.55781
Type of gen. func.: ogf

$$\frac{12 x^2 - 39 x - 7}{(x - 1) (x^2 - 6 x + 1)}$$

Sequence: A155466
Score: 4.38242
Type of gen. func.: ogf

$$-(3287864 f(x) - 1659521)$$

$$(f(x) x^3 - 7 f(x) x^2 + 7 f(x) x - 5 x^2 - f(x) + 11 x + 28)$$

Sequence: A155466
Score: 4.79095
Type of gen. func.: ogf

{-a(n + 3) + 7 a(n + 2) - 7 a(n + 1) + a(n), a(0) = 28, a(1) = 207, a(2) = 1248

}

Sequence: A155466
Score: 8.14051
Type of gen. func.: lgdogf

$$-\frac{5 x^4 - 22 x^3 - 42 x^2 + 402 x - 207}{(x - 1) (x^2 - 6 x + 1) (5 x^2 - 11 x - 28)}$$

Sequence: A155466
Score: 8.97352
Type of gen. func.: ogf

$$\frac{5 x^2 - 11 x - 28}{(x - 1) (x^2 - 6 x + 1)}$$

Sequence: A155477
Score: 11.5632
Type of gen. func.: ogf

$$-1849 f(x) x + f(x) - 43$$

Sequence: A155477
Score: 17.9429
Type of gen. func.: ogf

$$-\frac{43}{1849 x - 1}$$

Sequence: A155477
Score: 30.0443
Type of gen. func.: lgdogf

$$-\frac{1849}{1849 x - 1}$$

Sequence: A155477
Score: 30.0443
Type of gen. func.: revegf]

$$1/1849 \ln(43 x + 1)$$

Sequence: A155477
Score: 9.29186
Type of gen. func.: ogf

$$\{a(n + 1) - 1849 a(n), a(0) = 43\}$$

Sequence: A155485
Score: 11.5204
Type of gen. func.: ogf

$$-\frac{(3 x - 1)^2}{(x - 1) (4 x - 1) (5 x - 1)}$$

Sequence: A155485
Score: 12.9392
Type of gen. func.: lgdogf

$$-\frac{4 (15 x^3 - 15 x^2 + 7 x - 1)}{(x - 1) (4 x - 1) (3 x - 1) (5 x - 1)}$$

Sequence: A155485
Score: 6.24838
Type of gen. func.: ogf

$$-(3 f(x) + 7) (20 f(x) x^3 - 29 f(x) x^2 + 10 f(x) x + 9 x^2 - f(x) - 6 x + 1)$$

Sequence: A155485
Score: 6.35610
Type of gen. func.: ogf

$\{-a(n + 3) + 10 a(n + 2) - 29 a(n + 1) + 20 a(n), a(0) = 1, a(1) = 4, a(2) = 20\}$

Sequence: A155485
Score: 8.37850
Type of gen. func.: lgdogf

$$-\frac{60 x^3 - 60 x^2 + 28 x - 4}{60 x^4 - 107 x^3 + 59 x^2 - 13 x + 1}$$

Sequence: A155519
Score: 5.46280
Type of gen. func.: ogf

$$\{(n^2 + 3 n) a(n) - a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = 2\}$$

Sequence: A155521
Score: 3.69033
Type of gen. func.: ogf

$\{(-n^2 - 6 n - 9) a(n + 1) + (-n^2 - 5 n - 5) a(n + 2) + (n + 2) a(n + 3),$

$a(0) = 0, a(1) = 1, a(2) = 1\}$

Sequence: A155542
Score: 10.2648
Type of gen. func.: lgdogf

$$-\frac{-25 x^2 - 50 x - 9}{}$$

$$-25 x^3 - 33 x^2 - 7 x + 1$$

Sequence: A155542
Score: 15.1740
Type of gen. func.: ogf

$$-\frac{2 (x + 1)}{25 x^2 + 8 x - 1}$$

Sequence: A155542
Score: 17.5903
Type of gen. func.: revogf

$$\frac{-1 - 4 x + (41 x^2 + 10 x + 1)^{1/2}}{2 + 25 x}$$

Sequence: A155542
Score: 18.5411
Type of gen. func.: lgdogf

$$-\frac{(5 x + 9) (5 x + 1)}{(x + 1) (25 x^2 + 8 x - 1)}$$

Sequence: A155542
Score: 7.58702
Type of gen. func.: ogf

$$-(61 f(x) - 41) (25 f(x) x^2 + 8 f(x) x - f(x) + 2 x + 2)$$

Sequence: A155542
Score: 8.30958
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) + 25 a(n), a(0) = 2, a(1) = 18\}$$

Sequence: A155543
Score: 14.619
Type of gen. func.: ogf

$$-4 f(x) x + f(x) + 4 x - 2$$

Sequence: A155543
Score: 17.7799
Type of gen. func.: ogf

$$\frac{2 (2 x - 1)}{4 x - 1}$$

Sequence: A155543
Score: 18.2738
Type of gen. func.: lgdogf

$$-\frac{2}{-8 x^2 + 6 x - 1}$$

Sequence: A155543
Score: 22.2463
Type of gen. func.: revogf

$$1/4 + x/2 - \frac{(4 x^2 + 1)^{1/2}}{4}$$

Sequence: A155543
Score: 37.9497
Type of gen. func.: lgdogf

$$\frac{2}{(4 x - 1) (2 x - 1)}$$

Sequence: A155543
Score: 9.13689
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1), a(0) = 2, a(1) = 4\}$$

Sequence: A155557
Score: 10.1469
Type of gen. func.: lgdogf

$$-\frac{53089 x^2 - 106170 x + 53093}{(x - 1) (53089 x^2 - 106174 x + 53089)}$$

Sequence: A155557
Score: 4.54321
Type of gen. func.: ogf

$(53069 f(x) + 5635822110)$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 53089 x^2 - f(x) - 106174 x + 53089)$$

Sequence: A155557
Score: 5.01952
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 53089, a(1) = 53093,$

$a(2) = 53101\}$

Sequence: A155557
Score: 8.41108
Type of gen. func.: ogf

$$-\frac{53089 x^2 - 106174 x + 53089}{(x - 1)^3}$$

Sequence: A155559
Score: 11.0757
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1), a(0) = 0, a(1) = 2\}$$

Sequence: A155559
Score: 13.3284
Type of gen. func.: ogf

$$-f(x) (2 f(x) x - f(x) + 2 x)$$

Sequence: A155559
Score: 27.1165
Type of gen. func.: ogf

$$-\frac{2 x}{2 x - 1}$$

Sequence: A155559
Score: 28.0849
Type of gen. func.: lgdogf

$$\frac{2}{1 - 2 x}$$

Sequence: A155559
Score: 70.5272
Type of gen. func.: revegf]

$$1/2 \ln(x + 1)$$

Sequence: A155559
Score: 77.5799
Type of gen. func.: lgdogf

$$-\frac{2}{2 x - 1}$$

Sequence: A155579
Score: 14.2802
Type of gen. func.: revogf

$$(1 - 3 x)^{1/2} \quad (1 - 3 x)^{1/2} \quad x$$

$$- \frac{}{9} + \frac{}{3} + 1/9$$

Sequence: A155579
Score: 5.82809
Type of gen. func.: ogf

$$\{(-9 n - 12) a(n + 1) + (n + 3) a(n + 2), a(0) = 2, a(1) = 3\}$$

Sequence: A155579
Score: 8.49929
Type of gen. func.: revogf

$$- \frac{(1 - 3 x)^{1/2}}{9} + \frac{(1 - 3 x)^{1/2} x}{3} + 1/9$$

Sequence: A155579
Score: 9.71348
Type of gen. func.: ogf

$$9 x - 2 + f(x) - 3 f(x)^2 x + 3 x^2 f(x)^3$$

Sequence: A155587
Score: 4.37248
Type of gen. func.: ogf

$$\{(-4 n - 6) a(n + 1) + (5 n + 9) a(n + 2) + (-n - 3) a(n + 3), a(0) = 1,$$
$$a(1) = 2, a(2) = 3\}$$

Sequence: A155587
Score: 6.90391
Type of gen. func.: ogf

$$-f(x)^2 x^2 + 2 f(x)^2 x - f(x)^2 - 3 f(x) x + 3 f(x) - x - 2$$

Sequence: A155587
Score: 9.73771

Type of gen. func.: lgdogf

$$\frac{-4x^2 - 19x + 5 + 3(-(4x-1)(x-1)^2)^{1/2}}{2(x+2)(4x-1)(x-1)}$$

Sequence: A155588
Score: 5.07446
Type of gen. func.: ogf

$$-(207 f(x) - 67)(10 f(x) x^3 - 17 f(x) x^2 + 8 f(x) x - 3x^2 - f(x) - 2x + 1)$$

Sequence: A155588
Score: 5.29509
Type of gen. func.: ogf

$\{a(n+3) - 8 a(n+2) + 17 a(n+1) - 10 a(n), a(0) = 1, a(1) = 6, a(2) = 28\}$

Sequence: A155588
Score: 8.52244
Type of gen. func.: lgdogf

$$-\frac{2(15x^4 + 20x^3 - 44x^2 + 20x - 3)}{(x-1)(3x-1)(2x-1)(5x-1)(x+1)}$$

Sequence: A155588
Score: 9.66563
Type of gen. func.: ogf

$$\frac{(x+1)(3x-1)}{(x-1)(2x-1)(5x-1)}$$

Sequence: A155589
Score: 5.26834
Type of gen. func.: ogf

$\{a(n+3) - 9 a(n+2) + 20 a(n+1) - 12 a(n), a(0) = 1, a(1) = 7, a(2) = 39\}$

Sequence: A155589
Score: 5.31456
Type of gen. func.: ogf

$$(59 f(x) + 7) (12 f(x) x^3 - 20 f(x) x^2 + 9 f(x) x - 4 x^2 - f(x) - 2 x + 1)$$

Sequence: A155589
Score: 8.73061
Type of gen. func.: lgdogf

$$- \frac{48 x^4 + 48 x^3 - 112 x^2 + 48 x - 7}{(x - 1) (6 x - 1) (2 x - 1) (4 x^2 + 2 x - 1)}$$

Sequence: A155589
Score: 9.61681
Type of gen. func.: ogf

$$\frac{4 x^2 + 2 x - 1}{(x - 1) (6 x - 1) (2 x - 1)}$$

Sequence: A155590
Score: 4.92519
Type of gen. func.: ogf

$$(725 f(x) + 171) (14 f(x) x^3 - 23 f(x) x^2 + 10 f(x) x - 5 x^2 - f(x) - 2 x + 1)$$

Sequence: A155590
Score: 5.01010
Type of gen. func.: ogf

{a(n + 3) - 10 a(n + 2) + 23 a(n + 1) - 14 a(n), a(0) = 1, a(1) = 8, a(2) = 52}

Sequence: A155590
Score: 8.49535
Type of gen. func.: lgdogf

$$-\frac{2 (x + 2) (35 x^3 - 42 x^2 + 15 x - 2)}{(x - 1) (2 x - 1) (7 x - 1) (5 x^2 + 2 x - 1)}$$

Sequence: A155590
Score: 9.08081
Type of gen. func.: ogf

$$\frac{5 x^2 + 2 x - 1}{(x - 1) (2 x - 1) (7 x - 1)}$$

Sequence: A155592
Score: 5.11771
Type of gen. func.: ogf

$(3573 f(x) + 1003)$

$$(16 f(x) x^3 - 26 f(x) x^2 + 11 f(x) x - 6 x^2 - f(x) - 2 x + 1)$$

Sequence: A155592
Score: 5.29418
Type of gen. func.: ogf

$\{a(n + 3) - 11 a(n + 2) + 26 a(n + 1) - 16 a(n), a(0) = 1, a(1) = 9, a(2) = 67\}$

Sequence: A155592
Score: 8.85503
Type of gen. func.: lgdogf

$$-\frac{96 x^4 + 64 x^3 - 166 x^2 + 64 x - 9}{(x - 1) (8 x - 1) (2 x - 1) (6 x^2 + 2 x - 1)}$$

Sequence: A155592
Score: 9.59570
Type of gen. func.: ogf

$$6 x^2 + 2 x - 1$$

$$\overline{(x - 1) (8 x - 1) (2 x - 1)}$$

Sequence: A155593
Score: 4.74517
Type of gen. func.: ogf

$$(15239 f(x) + 4597) (18 f(x) x^3 - 29 f(x) x^2 + 12 f(x) x - 7 x^2 - f(x) - 2 x + 1)$$

Sequence: A155593
Score: 4.90740
Type of gen. func.: ogf

$$\{a(n + 3) - 12 a(n + 2) + 29 a(n + 1) - 18 a(n), a(0) = 1, a(1) = 10, a(2) = 84\}$$

Sequence: A155593
Score: 8.15055
Type of gen. func.: lgdogf

$$- \frac{2 (63 x^4 + 36 x^3 - 98 x^2 + 36 x - 5)}{(x - 1) (2 x - 1) (9 x - 1) (7 x^2 + 2 x - 1)}$$

Sequence: A155593
Score: 8.97134
Type of gen. func.: ogf

$$\frac{7 x^2 + 2 x - 1}{(x - 1) (2 x - 1) (9 x - 1)}$$

Sequence: A155594
Score: 4.66346
Type of gen. func.: ogf

$$(1832 f(x) + 573) (20 f(x) x^3 - 32 f(x) x^2 + 13 f(x) x - 8 x^2 - f(x) - 2 x + 1)$$

Sequence: A155594
Score: 4.70297
Type of gen. func.: ogf

{a(n + 3) - 13 a(n + 2) + 32 a(n + 1) - 20 a(n), a(0) = 1, a(1) = 11,

a(2) = 103}

Sequence: A155594
Score: 7.24519
Type of gen. func.: lgdogf

$$-\frac{160 x^4 + 80 x^3 - 228 x^2 + 80 x - 11}{(x - 1) (4 x - 1) (2 x + 1) (2 x - 1) (10 x - 1)}$$

Sequence: A155594
Score: 8.67111
Type of gen. func.: ogf

$$\frac{(2 x + 1) (4 x - 1)}{(x - 1) (2 x - 1) (10 x - 1)}$$

Sequence: A155595
Score: 4.70297
Type of gen. func.: ogf

{a(n + 3) - 14 a(n + 2) + 35 a(n + 1) - 22 a(n), a(0) = 1, a(1) = 12,

a(2) = 124}

Sequence: A155595
Score: 4.70298
Type of gen. func.: ogf

$$(567 f(x) + 181) (22 f(x) x^3 - 35 f(x) x^2 + 14 f(x) x - 9 x^2 - f(x) - 2 x + 1)$$

Sequence: A155595
Score: 7.54708

Type of gen. func.: lgdogf

$$-\frac{2\,(99\,x^4 + 44\,x^3 - 131\,x^2 + 44\,x - 6)}{(x - 1)\,(2\,x - 1)\,(11\,x - 1)\,(9\,x^2 + 2\,x - 1)}$$

Sequence: A155595
Score: 8.67111
Type of gen. func.: ogf

$$\frac{9\,x^2 + 2\,x - 1}{(x - 1)\,(2\,x - 1)\,(11\,x - 1)}$$

Sequence: A155596
Score: 5.1171
Type of gen. func.: ogf

$$-(46\,f(x) - 21)\,(10\,f(x)\,x^3 - 17\,f(x)\,x^2 + 8\,f(x)\,x + 7\,x^2 - f(x) - 4\,x + 1)$$

Sequence: A155596
Score: 5.29509
Type of gen. func.: ogf

$$\{a(n + 3) - 8\,a(n + 2) + 17\,a(n + 1) - 10\,a(n),\ a(0) = 1,\ a(1) = 4,\ a(2) = 22\}$$

Sequence: A155596
Score: 8.64595
Type of gen. func.: lgdogf

$$-\frac{2\,(35\,x^4 - 40\,x^3 + 21\,x^2 - 10\,x + 2)}{(x - 1)\,(2\,x - 1)\,(5\,x - 1)\,(7\,x^2 - 4\,x + 1)}$$

Sequence: A155596
Score: 9.66563
Type of gen. func.: ogf

2

$$-\frac{7x - 4x + 1}{(x - 1)(2x - 1)(5x - 1)}$$

Sequence: A155597
Score: 5.26834
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 20 a(n + 1) - 12 a(n), a(0) = 1, a(1) = 5, a(2) = 33\}$$

Sequence: A155597
Score: 6.27099
Type of gen. func.: ogf

$$(1475 f(x) - 452) (12 f(x) x^3 - 20 f(x) x^2 + 9 f(x) x + 8 x^2 - f(x) - 4 x + 1)$$

Sequence: A155597
Score: 9.57551
Type of gen. func.: lgdogf

$$-\frac{(4 x^2 + 1) (24 x^2 - 24 x + 5)}{(x - 1) (6 x - 1) (2 x - 1) (8 x^2 - 4 x + 1)}$$

Sequence: A155597
Score: 9.61681
Type of gen. func.: ogf

$$-\frac{8 x^2 - 4 x + 1}{(x - 1) (6 x - 1) (2 x - 1)}$$

Sequence: A155598
Score: 4.92519
Type of gen. func.: ogf

$$(522 f(x) - 137) (14 f(x) x^3 - 23 f(x) x^2 + 10 f(x) x + 9 x^2 - f(x) - 4 x + 1)$$

Sequence: A155598
Score: 5.01010
Type of gen. func.: ogf

$$\{a(n + 3) - 10 a(n + 2) + 23 a(n + 1) - 14 a(n), a(0) = 1, a(1) = 6, a(2) = 46\}$$

Sequence: A155598
Score: 8.37042
Type of gen. func.: lgdogf

$$- \frac{2 (63 x^4 - 56 x^3 + 22 x^2 - 14 x + 3)}{(x - 1) (2 x - 1) (7 x - 1) (9 x^2 - 4 x + 1)}$$

Sequence: A155598
Score: 9.08081
Type of gen. func.: ogf

$$- \frac{9 x^2 - 4 x + 1}{(x - 1) (2 x - 1) (7 x - 1)}$$

Sequence: A155599
Score: 5.03381
Type of gen. func.: ogf

$$(19453 f(x) - 4821)$$

$$(16 f(x) x^3 - 26 f(x) x^2 + 11 f(x) x + 10 x^2 - f(x) - 4 x + 1)$$

Sequence: A155599
Score: 5.29418
Type of gen. func.: ogf

$$\{a(n + 3) - 11 a(n + 2) + 26 a(n + 1) - 16 a(n), a(0) = 1, a(1) = 7, a(2) = 61\}$$

Sequence: A155599
Score: 8.72669
Type of gen. func.: lgdogf

$$-\frac{160 x^4 - 128 x^3 + 42 x^2 - 32 x + 7}{(x - 1) (8 x - 1) (2 x - 1) (10 x^2 - 4 x + 1)}$$

Sequence: A155599
Score: 9.44808
Type of gen. func.: ogf

$$-\frac{10 x^2 - 4 x + 1}{(x - 1) (8 x - 1) (2 x - 1)}$$

Sequence: A155600
Score: 4.76018
Type of gen. func.: ogf

$(2488 f(x) - 607)$

$$(18 f(x) x^3 - 29 f(x) x^2 + 12 f(x) x + 11 x^2 - f(x) - 4 x + 1)$$

Sequence: A155600
Score: 4.92432
Type of gen. func.: ogf

$\{a(n + 3) - 12 a(n + 2) + 29 a(n + 1) - 18 a(n), a(0) = 1, a(1) = 8, a(2) = 78\}$

Sequence: A155600
Score: 8.10788
Type of gen. func.: lgdogf

$$-\frac{2 (99 x^4 - 72 x^3 + 19 x^2 - 18 x + 4)}{(x - 1) (2 x - 1) (9 x - 1) (11 x^2 - 4 x + 1)}$$

Sequence: A155600
Score: 8.78802
Type of gen. func.: ogf

$$11 x^2 - 4 x + 1$$

$$- \frac{\qquad}{(x - 1) (2 x - 1) (9 x - 1)}$$

Sequence: A155601
Score: 4.92432
Type of gen. func.: ogf

$\{a(n + 3) - 13 a(n + 2) + 32 a(n + 1) - 20 a(n), a(0) = 1, a(1) = 9, a(2) = 97\}$

Sequence: A155601
Score: 5.86445
Type of gen. func.: ogf

$$(37098 f(x) - 9073)$$

$$(20 f(x) x^3 - 32 f(x) x^2 + 13 f(x) x + 12 x^2 - f(x) - 4 x + 1)$$

Sequence: A155601
Score: 7.99205
Type of gen. func.: lgdogf

$$- \frac{240 x^4 - 160 x^3 + 32 x^2 - 40 x + 9}{(x - 1) (2 x - 1) (10 x - 1) (12 x^2 - 4 x + 1)}$$

Sequence: A155601
Score: 8.78802
Type of gen. func.: ogf

$$- \frac{12 x^2 - 4 x + 1}{(x - 1) (2 x - 1) (10 x - 1)}$$

Sequence: A155602
Score: 10.4422
Type of gen. func.: ogf

$$\frac{5 x^2 + 2 x - 1}{(x - 1) (3 x - 1) (4 x - 1)}$$

Sequence: A155602
Score: 5.72049
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 19 a(n + 1) - 12 a(n), a(0) = 1, a(1) = 6, a(2) = 24\}$$

Sequence: A155602
Score: 5.77068
Type of gen. func.: ogf

$$(f(x) + 23) (12 f(x) x^3 - 19 f(x) x^2 + 8 f(x) x - 5 x^2 - f(x) - 2 x + 1)$$

Sequence: A155602
Score: 9.62902
Type of gen. func.: lgdogf

$$- \frac{6 (10 x^4 + 8 x^3 - 19 x^2 + 8 x - 1)}{(x - 1) (4 x - 1) (3 x - 1) (5 x^2 + 2 x - 1)}$$

Sequence: A155603
Score: 5.24944
Type of gen. func.: ogf

$$(17 f(x) - 317) (15 f(x) x^3 - 23 f(x) x^2 + 9 f(x) x - 7 x^2 - f(x) - 2 x + 1)$$

Sequence: A155603
Score: 5.29509
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 23 a(n + 1) - 15 a(n), a(0) = 1, a(1) = 7, a(2) = 33\}$$

Sequence: A155603
Score: 8.64595
Type of gen. func.: lgdogf

4 3 2

$$-\frac{105 x + 60 x - 154 x + 60 x - 7}{(x - 1) (3 x - 1) (5 x - 1) (7 x^{2} + 2 x - 1)}$$

Sequence: A155603
Score: 9.66563
Type of gen. func.: ogf

$$\frac{7 x^{2} + 2 x - 1}{(x - 1) (3 x - 1) (5 x - 1)}$$

Sequence: A155604
Score: 5.13441
Type of gen. func.: ogf

$$-(f(x) - 1) (18 f(x) x^{3} - 27 f(x) x^{2} + 10 f(x) x - 9 x^{2} - f(x) - 2 x + 1)$$

Sequence: A155604
Score: 5.22292
Type of gen. func.: ogf

{a(n + 3) - 10 a(n + 2) + 27 a(n + 1) - 18 a(n), a(0) = 1, a(1) = 8, a(2) = 44}

Sequence: A155604
Score: 8.48116
Type of gen. func.: lgdogf

$$-\frac{2 (81 x^{4} + 36 x^{3} - 99 x^{2} + 36 x - 4)}{(x - 1) (6 x - 1) (3 x - 1) (9 x^{2} + 2 x - 1)}$$

Sequence: A155604
Score: 9.46655
Type of gen. func.: ogf

$$\frac{9 x^{2} + 2 x - 1}{(x - 1) (6 x - 1) (3 x - 1)}$$

```
------------------------------------------------------------------------------

Sequence:  A155605
Score: 5.0101
Type of gen. func.: ogf


                          3            2                   2
  (41 f(x) + 1) (21 f(x) x  - 31 f(x) x  + 11 f(x) x - 11 x  - f(x) - 2 x + 1)



------------------------------------------------------------------------------

Sequence:  A155605
Score: 5.01010
Type of gen. func.: ogf


{a(n + 3) - 11 a(n + 2) + 31 a(n + 1) - 21 a(n), a(0) = 1, a(1) = 9, a(2) = 57}



------------------------------------------------------------------------------

Sequence:  A155605
Score: 8.01674
Type of gen. func.: lgdogf


                             4       3       2
                      3 (77 x  + 28 x  - 82 x  + 28 x - 3)
                - ----------------------------------------------
                                                   2
                  (x - 1) (3 x - 1) (7 x - 1) (11 x  + 2 x - 1)



------------------------------------------------------------------------------

Sequence:  A155605
Score: 8.94111
Type of gen. func.: ogf


                                    2
                                11 x  + 2 x - 1
                          ---------------------------
                          (x - 1) (3 x - 1) (7 x - 1)



------------------------------------------------------------------------------

Sequence:  A155606
Score: 4.93697
Type of gen. func.: ogf


-(4475 f(x) + 1237)

              3            2                   2
    (24 f(x) x  - 35 f(x) x  + 12 f(x) x - 13 x  - f(x) - 2 x + 1)



------------------------------------------------------------------------------

Sequence:  A155606
```

Score: 5.27453
Type of gen. func.: ogf

{a(n + 3) - 12 a(n + 2) + 35 a(n + 1) - 24 a(n), a(0) = 1, a(1) = 10, a(2) = 72

}

Sequence: A155606
Score: 8.17753
Type of gen. func.: lgdogf

$$-\frac{2\,(156\,x^4 + 48\,x^3 - 149\,x^2 + 48\,x - 5)}{(x - 1)\,(3\,x - 1)\,(8\,x - 1)\,(13\,x^2 + 2\,x - 1)}$$

Sequence: A155606
Score: 9.49415
Type of gen. func.: ogf

$$\frac{13\,x^2 + 2\,x - 1}{(x - 1)\,(3\,x - 1)\,(8\,x - 1)}$$

Sequence: A155607
Score: 4.82492
Type of gen. func.: ogf

$$(403\,f(x) + 149)\,(27\,f(x)\,x^3 - 39\,f(x)\,x^2 + 13\,f(x)\,x - 15\,x^2 - f(x) - 2\,x + 1)$$

Sequence: A155607
Score: 4.90740
Type of gen. func.: ogf

{a(n + 3) - 13 a(n + 2) + 39 a(n + 1) - 27 a(n), a(0) = 1, a(1) = 11, a(2) = 89

}

Sequence: A155607
Score: 7.49851
Type of gen. func.: lgdogf

$$-\frac{405 x^4 + 108 x^3 - 354 x^2 + 108 x - 11}{(x - 1) (3 x - 1) (9 x - 1) (3 x + 1) (5 x - 1)}$$

Sequence: A155607
Score: 8.83332
Type of gen. func.: ogf

$$\frac{(3 x + 1) (5 x - 1)}{(x - 1) (3 x - 1) (9 x - 1)}$$

Sequence: A155608
Score: 4.66346
Type of gen. func.: ogf

$$(637 f(x) + 263) (30 f(x) x^3 - 43 f(x) x^2 + 14 f(x) x - 17 x^2 - f(x) - 2 x + 1)$$

Sequence: A155608
Score: 4.70297
Type of gen. func.: ogf

$$\{a(n + 3) - 14 a(n + 2) + 43 a(n + 1) - 30 a(n), a(0) = 1, a(1) = 12, a(2) = 108\}$$

Sequence: A155608
Score: 7.54708
Type of gen. func.: lgdogf

$$-\frac{6 (85 x^4 + 20 x^3 - 69 x^2 + 20 x - 2)}{(x - 1) (3 x - 1) (10 x - 1) (17 x^2 + 2 x - 1)}$$

Sequence: A155608
Score: 8.53771
Type of gen. func.: ogf

$$\frac{17 x^2 + 2 x - 1}{(x - 1) (3 x - 1) (10 x - 1)}$$

Sequence: A155609
Score: 10.1300
Type of gen. func.: ogf

$$-\frac{11 x^2 - 6 x + 1}{(x - 1) (3 x - 1) (4 x - 1)}$$

Sequence: A155609
Score: 5.49426
Type of gen. func.: ogf

$$-(9 f(x) - 1) (12 f(x) x^3 - 19 f(x) x^2 + 8 f(x) x + 11 x^2 - f(x) - 6 x + 1)$$

Sequence: A155609
Score: 5.68704
Type of gen. func.: ogf

{a(n + 3) - 8 a(n + 2) + 19 a(n + 1) - 12 a(n), a(0) = 1, a(1) = 2, a(2) = 8}

Sequence: A155609
Score: 9.34721
Type of gen. func.: lgdogf

$$-\frac{2 (66 x^4 - 72 x^3 + 31 x^2 - 8 x + 1)}{(x - 1) (3 x - 1) (4 x - 1) (11 x^2 - 6 x + 1)}$$

Sequence: A155610
Score: 5.0487
Type of gen. func.: ogf

$$-(17 f(x) - 37) (15 f(x) x^3 - 23 f(x) x^2 + 9 f(x) x + 13 x^2 - f(x) - 6 x + 1)$$

Sequence: A155610
Score: 5.26821

Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 23 a(n + 1) - 15 a(n), a(0) = 1, a(1) = 3, a(2) = 17\}$$

Sequence: A155610
Score: 8.60115
Type of gen. func.: lgdogf

$$-\frac{195 x^4 - 180 x^3 + 66 x^2 - 20 x + 3}{(x - 1) (3 x - 1) (5 x - 1) (13 x^2 - 6 x + 1)}$$

Sequence: A155610
Score: 9.46631
Type of gen. func.: ogf

$$-\frac{13 x^2 - 6 x + 1}{(x - 1) (3 x - 1) (5 x - 1)}$$

Sequence: A155611
Score: 5.00711
Type of gen. func.: ogf

$$-(75 f(x) - 47) (18 f(x) x^3 - 27 f(x) x^2 + 10 f(x) x + 15 x^2 - f(x) - 6 x + 1)$$

Sequence: A155611
Score: 5.22292
Type of gen. func.: ogf

$$\{a(n + 3) - 10 a(n + 2) + 27 a(n + 1) - 18 a(n), a(0) = 1, a(1) = 4, a(2) = 28\}$$

Sequence: A155611
Score: 8.99517
Type of gen. func.: lgdogf

$$-\frac{2 (9 x^2 + 1) (15 x^2 - 12 x + 2)}{(x - 1) (6 x - 1) (3 x - 1) (15 x^2 - 6 x + 1)}$$

```
--------------------------------------------------------------------------------

Sequence:  A155611
Score: 9.32091
Type of gen. func.: ogf


                                        2
                                   15 x  - 6 x + 1
                           - ---------------------------
                             (x - 1) (6 x - 1) (3 x - 1)



--------------------------------------------------------------------------------

Sequence:  A155612
Score: 4.8838
Type of gen. func.: ogf


                              3             2                    2
(369 f(x) - 173) (21 f(x) x  - 31 f(x) x  + 11 f(x) x + 17 x  - f(x) - 6 x + 1)



--------------------------------------------------------------------------------

Sequence:  A155612
Score: 5.01010
Type of gen. func.: ogf


{a(n + 3) - 11 a(n + 2) + 31 a(n + 1) - 21 a(n), a(0) = 1, a(1) = 5, a(2) = 41}



--------------------------------------------------------------------------------

Sequence:  A155612
Score: 8.13127
Type of gen. func.: lgdogf


                              4        3       2
                         357 x  - 252 x  + 62 x  - 28 x + 5
                  - ----------------------------------------------
                                                          2
                    (x - 1) (3 x - 1) (7 x - 1) (17 x  - 6 x + 1)



--------------------------------------------------------------------------------

Sequence:  A155612
Score: 8.94111
Type of gen. func.: ogf


                                        2
                                   17 x  - 6 x + 1
                           - ---------------------------
                             (x - 1) (3 x - 1) (7 x - 1)



--------------------------------------------------------------------------------
```

Sequence: A155613
Score: 5.07541
Type of gen. func.: ogf

$$(8771 f(x) - 3667)$$

$$(24 f(x) x^3 - 35 f(x) x^2 + 12 f(x) x + 19 x^2 - f(x) - 6 x + 1)$$

Sequence: A155613
Score: 5.29418
Type of gen. func.: ogf

$$\{a(n + 3) - 12 a(n + 2) + 35 a(n + 1) - 24 a(n), a(0) = 1, a(1) = 6, a(2) = 56\}$$

Sequence: A155613
Score: 8.48087
Type of gen. func.: lgdogf

$$- \frac{2 (228 x^4 - 144 x^3 + 27 x^2 - 16 x + 3)}{(x - 1) (3 x - 1) (8 x - 1) (19 x^2 - 6 x + 1)}$$

Sequence: A155613
Score: 9.44808
Type of gen. func.: ogf

$$- \frac{19 x^2 - 6 x + 1}{(x - 1) (3 x - 1) (8 x - 1)}$$

Sequence: A155614
Score: 4.76018
Type of gen. func.: ogf

$$(1612 f(x) - 643)$$

$$(27 f(x) x^3 - 39 f(x) x^2 + 13 f(x) x + 21 x^2 - f(x) - 6 x + 1)$$

Sequence: A155614
Score: 4.92432
Type of gen. func.: ogf

$\{a(n + 3) - 13 a(n + 2) + 39 a(n + 1) - 27 a(n), a(0) = 1, a(1) = 7, a(2) = 73\}$

Sequence: A155614
Score: 7.99205
Type of gen. func.: lgdogf

$$- \frac{567 x^{4} - 324 x^{3} + 42 x^{2} - 36 x + 7}{(x - 1) (3 x - 1) (9 x - 1) (21 x^{2} - 6 x + 1)}$$

Sequence: A155614
Score: 8.78802
Type of gen. func.: ogf

$$- \frac{21 x^{2} - 6 x + 1}{(x - 1) (3 x - 1) (9 x - 1)}$$

Sequence: A155615
Score: 4.76018
Type of gen. func.: ogf

$(1053 f(x) - 413)$

$$(30 f(x) x^{3} - 43 f(x) x^{2} + 14 f(x) x + 23 x^{2} - f(x) - 6 x + 1)$$

Sequence: A155615
Score: 4.92432
Type of gen. func.: ogf

$\{a(n + 3) - 14 a(n + 2) + 43 a(n + 1) - 30 a(n), a(0) = 1, a(1) = 8, a(2) = 92\}$

Sequence: A155615
Score: 7.66361
Type of gen. func.: lgdogf

$$- \frac{2 (345 x^{4} - 180 x^{3} + 13 x^{2} - 20 x + 4)}{\qquad\qquad\qquad\qquad\qquad {}^{2}}$$

$$(x - 1) (3 x - 1) (10 x - 1) (23 x - 6 x + 1)$$

Sequence: A155615
Score: 8.78802
Type of gen. func.: ogf

$$-\frac{23 x^{2} - 6 x + 1}{(x - 1) (3 x - 1) (10 x - 1)}$$

Sequence: A155616
Score: 5.10022
Type of gen. func.: ogf

$$-(f(x) + 39) (20 f(x) x^{3} - 29 f(x) x^{2} + 10 f(x) x - 11 x^{2} - f(x) - 2 x + 1)$$

Sequence: A155616
Score: 5.27609
Type of gen. func.: ogf

$$\{a(n + 3) - 10 a(n + 2) + 29 a(n + 1) - 20 a(n), a(0) = 1, a(1) = 8, a(2) = 40\}$$

Sequence: A155616
Score: 8.44594
Type of gen. func.: lgdogf

$$-\frac{4 (55 x^{4} + 20 x^{3} - 57 x^{2} + 20 x - 2)}{(x - 1) (5 x - 1) (4 x - 1) (11 x^{2} + 2 x - 1)}$$

Sequence: A155616
Score: 9.41578
Type of gen. func.: ogf

$$\frac{11 x^{2} + 2 x - 1}{(x - 1) (4 x - 1) (5 x - 1)}$$

Sequence: A155617
Score: 5.22292
Type of gen. func.: ogf

$$\{a(n + 3) - 11 a(n + 2) + 34 a(n + 1) - 24 a(n), a(0) = 1, a(1) = 9, a(2) = 51\}$$

Sequence: A155617
Score: 5.22293
Type of gen. func.: ogf

$$(f(x) - 49) (24 f(x) x^3 - 34 f(x) x^2 + 11 f(x) x - 14 x^2 - f(x) - 2 x + 1)$$

Sequence: A155617
Score: 8.36171
Type of gen. func.: lgdogf

$$- \frac{3 (112 x^4 + 32 x^3 - 98 x^2 + 32 x - 3)}{(x - 1) (6 x - 1) (4 x - 1) (14 x^2 + 2 x - 1)}$$

Sequence: A155617
Score: 9.32091
Type of gen. func.: ogf

$$\frac{14 x^2 + 2 x - 1}{(x - 1) (6 x - 1) (4 x - 1)}$$

Sequence: A155618
Score: 4.95057
Type of gen. func.: ogf

$$(51 f(x) - 107) (28 f(x) x^3 - 39 f(x) x^2 + 12 f(x) x - 17 x^2 - f(x) - 2 x + 1)$$

Sequence: A155618
Score: 4.99288
Type of gen. func.: ogf

$$\{a(n + 3) - 12 a(n + 2) + 39 a(n + 1) - 28 a(n), a(0) = 1, a(1) = 10, a(2) = 64$$

}

Sequence: A155618
Score: 7.83814
Type of gen. func.: lgdogf

$$-\frac{2 (238 x^4 + 56 x^3 - 183 x^2 + 56 x - 5)}{(x - 1) (7 x - 1) (4 x - 1) (17 x^2 + 2 x - 1)}$$

Sequence: A155618
Score: 8.98718
Type of gen. func.: ogf

$$\frac{17 x^2 + 2 x - 1}{(x - 1) (7 x - 1) (4 x - 1)}$$

Sequence: A155619
Score: 5.05837
Type of gen. func.: ogf

$$-(131 f(x) - 27) (32 f(x) x^3 - 44 f(x) x^2 + 13 f(x) x - 20 x^2 - f(x) - 2 x + 1)$$

Sequence: A155619
Score: 5.27453
Type of gen. func.: ogf

{a(n + 3) - 13 a(n + 2) + 44 a(n + 1) - 32 a(n), a(0) = 1, a(1) = 11, a(2) = 79

}

Sequence: A155619
Score: 8.06850
Type of gen. func.: lgdogf

$$-\frac{640 x^4 + 128 x^3 - 444 x^2 + 128 x - 11}{(x - 1) (4 x - 1) (8 x - 1) (20 x^2 + 2 x - 1)}$$

Sequence: A155619
Score: 9.49415
Type of gen. func.: ogf

$$\frac{20 x^2 + 2 x - 1}{(x - 1) (8 x - 1) (4 x - 1)}$$

Sequence: A155620
Score: 4.70628
Type of gen. func.: ogf

$$-(175 f(x) + 41) (36 f(x) x^3 - 49 f(x) x^2 + 14 f(x) x - 23 x^2 - f(x) - 2 x + 1)$$

Sequence: A155620
Score: 4.90740
Type of gen. func.: ogf

{a(n + 3) - 14 a(n + 2) + 49 a(n + 1) - 36 a(n), a(0) = 1, a(1) = 12, a(2) = 96

}

Sequence: A155620
Score: 8.03411
Type of gen. func.: lgdogf

$$- \frac{12 (x + 1) (69 x^3 - 57 x^2 + 13 x - 1)}{(x - 1) (4 x - 1) (9 x - 1) (23 x^2 + 2 x - 1)}$$

Sequence: A155620
Score: 8.83332
Type of gen. func.: ogf

$$\frac{23 x^2 + 2 x - 1}{(x - 1) (4 x - 1) (9 x - 1)}$$

Sequence: A155621
Score: 4.62459
Type of gen. func.: ogf

$$(2529 f(x) + 991)$$

$$(40 f(x) x^3 - 54 f(x) x^2 + 15 f(x) x - 26 x^2 - f(x) - 2 x + 1)$$

Sequence: A155621
Score: 4.70297
Type of gen. func.: ogf

$$\{a(n + 3) - 15 a(n + 2) + 54 a(n + 1) - 40 a(n), a(0) = 1, a(1) = 13, a(2) = 115\}$$

Sequence: A155621
Score: 7.05701
Type of gen. func.: lgdogf

$$-\frac{1040 x^4 + 160 x^3 - 618 x^2 + 160 x - 13}{(x - 1) (4 x - 1) (10 x - 1) (26 x^2 + 2 x - 1)}$$

Sequence: A155621
Score: 8.53771
Type of gen. func.: ogf

$$\frac{26 x^2 + 2 x - 1}{(x - 1) (4 x - 1) (10 x - 1)}$$

Sequence: A155622
Score: 4.58638
Type of gen. func.: ogf

$$(8050 f(x) - 1989)$$

$$(22 f(x) x^3 - 35 f(x) x^2 + 14 f(x) x + 13 x^2 - f(x) - 4 x + 1)$$

Sequence: A155622
Score: 4.70297
Type of gen. func.: ogf

$$\{a(n + 3) - 14 a(n + 2) + 35 a(n + 1) - 22 a(n), a(0) = 1, a(1) = 10, a(2) = 118\}$$

Sequence: A155622
Score: 7.54708
Type of gen. func.: lgdogf

$$-\frac{2 (143 x^4 - 88 x^3 + 12 x^2 - 22 x + 5)}{(x - 1) (2 x - 1) (11 x - 1) (13 x^2 - 4 x + 1)}$$

Sequence: A155622
Score: 8.53771
Type of gen. func.: ogf

$$-\frac{13 x^2 - 4 x + 1}{(x - 1) (2 x - 1) (11 x - 1)}$$

Sequence: A155623
Score: 4.54878
Type of gen. func.: ogf

$$(10916 f(x) + 4759) (33 f(x) x^3 - 47 f(x) x^2 + 15 f(x) x - 19 x^2 - f(x) - 2 x + 1)$$

Sequence: A155623
Score: 4.70297
Type of gen. func.: ogf

$$\{a(n + 3) - 15 a(n + 2) + 47 a(n + 1) - 33 a(n), a(0) = 1, a(1) = 13, a(2) = 129\}$$

Sequence: A155623

Score: 7.24519
Type of gen. func.: lgdogf

$$-\frac{627 x^{4} + 132 x^{3} - 478 x^{2} + 132 x - 13}{(x - 1) (3 x - 1) (11 x - 1) (19 x^{2} + 2 x - 1)}$$

Sequence: A155623
Score: 8.53771
Type of gen. func.: ogf

$$\frac{19 x^{2} + 2 x - 1}{(x - 1) (3 x - 1) (11 x - 1)}$$

Sequence: A155624
Score: 4.4883
Type of gen. func.: ogf

(68225 f(x) - 26689)

$$(33 f(x) x^{3} - 47 f(x) x^{2} + 15 f(x) x + 25 x^{2} - f(x) - 6 x + 1)$$

Sequence: A155624
Score: 4.71847
Type of gen. func.: ogf

{a(n + 3) - 15 a(n + 2) + 47 a(n + 1) - 33 a(n), a(0) = 1, a(1) = 9, a(2) = 113

}

Sequence: A155624
Score: 7.83332
Type of gen. func.: lgdogf

$$-\frac{825 x^{4} - 396 x^{3} + 6 x^{2} - 44 x + 9}{(x - 1) (3 x - 1) (11 x - 1) (25 x^{2} - 6 x + 1)}$$

Sequence: A155624

Score: 8.49325
Type of gen. func.: ogf

$$-\frac{25 x^2 - 6 x + 1}{(x - 1) (3 x - 1) (11 x - 1)}$$

Sequence: A155625
Score: 4.5118
Type of gen. func.: ogf

$$(31703 f(x) + 14673)$$

$$(44 f(x) x^3 - 59 f(x) x^2 + 16 f(x) x - 29 x^2 - f(x) - 2 x + 1)$$

Sequence: A155625
Score: 4.70297
Type of gen. func.: ogf

$$\{a(n + 3) - 16 a(n + 2) + 59 a(n + 1) - 44 a(n), a(0) = 1, a(1) = 14, a(2) = 136\}$$

Sequence: A155625
Score: 7.24519
Type of gen. func.: lgdogf

$$-\frac{2 (638 x^4 + 88 x^3 - 357 x^2 + 88 x - 7)}{(x - 1) (4 x - 1) (11 x - 1) (29 x^2 + 2 x - 1)}$$

Sequence: A155625
Score: 8.53771
Type of gen. func.: ogf

$$\frac{29 x^2 + 2 x - 1}{(x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A155626
Score: 5.09113

Type of gen. func.: ogf

$$-(8 f(x) - 3) (20 f(x) x^3 - 29 f(x) x^2 + 10 f(x) x + 19 x^2 - f(x) - 8 x + 1)$$

Sequence: A155626
Score: 5.22279
Type of gen. func.: ogf

$$\{-a(n + 3) + 10 a(n + 2) - 29 a(n + 1) + 20 a(n), a(0) = 1, a(1) = 2, a(2) = 10\}$$

Sequence: A155626
Score: 8.24277
Type of gen. func.: lgdogf

$$-\frac{2 (190 x^4 - 160 x^3 + 51 x^2 - 10 x + 1)}{(x - 1) (4 x - 1) (5 x - 1) (19 x^2 - 8 x + 1)}$$

Sequence: A155626
Score: 9.32068
Type of gen. func.: ogf

$$-\frac{19 x^2 - 8 x + 1}{(x - 1) (4 x - 1) (5 x - 1)}$$

Sequence: A155627
Score: 4.98195
Type of gen. func.: ogf

$$-(25 f(x) - 67) (24 f(x) x^3 - 34 f(x) x^2 + 11 f(x) x + 22 x^2 - f(x) - 8 x + 1)$$

Sequence: A155627
Score: 5.19668
Type of gen. func.: ogf

$$\{a(n + 3) - 11 a(n + 2) + 34 a(n + 1) - 24 a(n), a(0) = 1, a(1) = 3, a(2) = 21\}$$

Sequence: A155627
Score: 8.31883
Type of gen. func.: lgdogf

$$-\frac{3 (176 x^4 - 128 x^3 + 34 x^2 - 8 x + 1)}{(x - 1) (6 x - 1) (4 x - 1) (22 x^2 - 8 x + 1)}$$

Sequence: A155627
Score: 9.27408
Type of gen. func.: ogf

$$-\frac{22 x^2 - 8 x + 1}{(x - 1) (6 x - 1) (4 x - 1)}$$

Sequence: A155628
Score: 4.80307
Type of gen. func.: ogf

$$-(51 f(x) - 37) (28 f(x) x^3 - 39 f(x) x^2 + 12 f(x) x + 25 x^2 - f(x) - 8 x + 1)$$

Sequence: A155628
Score: 5.01010
Type of gen. func.: ogf

{a(n + 3) - 12 a(n + 2) + 39 a(n + 1) - 28 a(n), a(0) = 1, a(1) = 4, a(2) = 34}

Sequence: A155628
Score: 8.01674
Type of gen. func.: lgdogf

$$-\frac{4 (175 x^4 - 112 x^3 + 24 x^2 - 7 x + 1)}{(x - 1) (4 x - 1) (7 x - 1) (25 x^2 - 8 x + 1)}$$

Sequence: A155628
Score: 8.94111
Type of gen. func.: ogf

$$-\frac{25 x^2 - 8 x + 1}{(x - 1) (7 x - 1) (4 x - 1)}$$

Sequence: A155629
Score: 5.07541
Type of gen. func.: ogf

(6419 f(x) - 3663)

$$(32 f(x) x^3 - 44 f(x) x^2 + 13 f(x) x + 28 x^2 - f(x) - 8 x + 1)$$

Sequence: A155629
Score: 5.29418
Type of gen. func.: ogf

{a(n + 3) - 13 a(n + 2) + 44 a(n + 1) - 32 a(n), a(0) = 1, a(1) = 5, a(2) = 49}

Sequence: A155629
Score: 8.72669
Type of gen. func.: lgdogf

$$-\frac{896 x^4 - 512 x^3 + 84 x^2 - 32 x + 5}{(x - 1) (8 x - 1) (4 x - 1) (28 x^2 - 8 x + 1)}$$

Sequence: A155629
Score: 9.44808
Type of gen. func.: ogf

$$-\frac{28 x^2 - 8 x + 1}{(x - 1) (8 x - 1) (4 x - 1)}$$

Sequence: A155630
Score: 4.88223
Type of gen. func.: ogf

$$(56 f(x) - 29) (36 f(x) x^3 - 49 f(x) x^2 + 14 f(x) x + 31 x^2 - f(x) - 8 x + 1)$$

Sequence: A155630
Score: 4.92432
Type of gen. func.: ogf

$$\{a(n + 3) - 14 a(n + 2) + 49 a(n + 1) - 36 a(n), a(0) = 1, a(1) = 6, a(2) = 66\}$$

Sequence: A155630
Score: 7.99205
Type of gen. func.: lgdogf

$$- \frac{6 (186 x^4 - 96 x^3 + 11 x^2 - 6 x + 1)}{(x - 1) (4 x - 1) (9 x - 1) (31 x^2 - 8 x + 1)}$$

Sequence: A155630
Score: 8.78802
Type of gen. func.: ogf

$$- \frac{31 x^2 - 8 x + 1}{(x - 1) (4 x - 1) (9 x - 1)}$$

Sequence: A155631
Score: 4.64407
Type of gen. func.: ogf

$$(22761 f(x) - 11291)$$

$$(40 f(x) x^3 - 54 f(x) x^2 + 15 f(x) x + 34 x^2 - f(x) - 8 x + 1)$$

Sequence: A155631
Score: 4.92432
Type of gen. func.: ogf

$$\{a(n + 3) - 15 a(n + 2) + 54 a(n + 1) - 40 a(n), a(0) = 1, a(1) = 7, a(2) = 85\}$$

Sequence: A155631
Score: 7.77005
Type of gen. func.: lgdogf

$$- \frac{1360 x^4 - 640 x^3 + 42 x^2 - 40 x + 7}{(x - 1) (4 x - 1) (10 x - 1) (34 x^2 - 8 x + 1)}$$

Sequence: A155631
Score: 8.78802
Type of gen. func.: ogf

$$- \frac{34 x^2 - 8 x + 1}{(x - 1) (4 x - 1) (10 x - 1)}$$

Sequence: A155632
Score: 4.52509
Type of gen. func.: ogf

$(16175 f(x) - 7881)$

$(44 f(x) x^3 - 59 f(x) x^2 + 16 f(x) x + 37 x^2 - f(x) - 8 x + 1)$

Sequence: A155632
Score: 4.71847
Type of gen. func.: ogf

$\{a(n + 3) - 16 a(n + 2) + 59 a(n + 1) - 44 a(n), a(0) = 1, a(1) = 8, a(2) = 106$

$\}$

Sequence: A155632
Score: 7.50693
Type of gen. func.: lgdogf

$$- \frac{4 (407 x^4 - 176 x^3 + 3 x^2 - 11 x + 2)}{(x - 1) (4 x - 1) (11 x - 1) (37 x^2 - 8 x + 1)}$$

Sequence: A155632
Score: 8.49325
Type of gen. func.: ogf

$$-\frac{37 x^2 - 8 x + 1}{(x - 1) (4 x - 1) (11 x - 1)}$$

Sequence: A155633
Score: 4.71123
Type of gen. func.: ogf

{a(n + 3) - 12 a(n + 2) + 41 a(n + 1) - 30 a(n), a(0) = 1, a(1) = 10, a(2) = 60

}

Sequence: A155633
Score: 4.75185
Type of gen. func.: ogf

$$(f(x) + 59) (30 f(x) x^3 - 41 f(x) x^2 + 12 f(x) x - 19 x^2 - f(x) - 2 x + 1)$$

Sequence: A155633
Score: 7.59481
Type of gen. func.: lgdogf

$$-\frac{10 (57 x^4 + 12 x^3 - 40 x^2 + 12 x - 1)}{(x - 1) (6 x - 1) (5 x - 1) (19 x^2 + 2 x - 1)}$$

Sequence: A155633
Score: 8.48022
Type of gen. func.: ogf

$$\frac{19 x^2 + 2 x - 1}{(x - 1) (6 x - 1) (5 x - 1)}$$

Sequence: A155634
Score: 4.90897
Type of gen. func.: ogf

$$(17 f(x) - 1977) (35 f(x) x^3 - 47 f(x) x^2 + 13 f(x) x - 23 x^2 - f(x) - 2 x + 1)$$

Sequence: A155634
Score: 4.99288
Type of gen. func.: ogf

$$\{a(n + 3) - 13 a(n + 2) + 47 a(n + 1) - 35 a(n), a(0) = 1, a(1) = 11, a(2) = 73\}$$

Sequence: A155634
Score: 7.83814
Type of gen. func.: lgdogf

$$- \frac{805 x^4 + 140 x^3 - 498 x^2 + 140 x - 11}{(x - 1) (7 x - 1) (5 x - 1) (23 x^2 + 2 x - 1)}$$

Sequence: A155634
Score: 8.98718
Type of gen. func.: ogf

$$\frac{23 x^2 + 2 x - 1}{(x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A155635
Score: 5.01724
Type of gen. func.: ogf

$$-(153 f(x) - 553) (40 f(x) x^3 - 53 f(x) x^2 + 14 f(x) x - 27 x^2 - f(x) - 2 x + 1)$$

Sequence: A155635
Score: 5.27453
Type of gen. func.: ogf

{a(n + 3) - 14 a(n + 2) + 53 a(n + 1) - 40 a(n), a(0) = 1, a(1) = 12, a(2) = 88

}

Sequence: A155635
Score: 8.28955
Type of gen. func.: lgdogf

$$-\frac{4\,(270\,x^4 + 40\,x^3 - 151\,x^2 + 40\,x - 3)}{(x - 1)\,(8\,x - 1)\,(5\,x - 1)\,(27\,x^2 + 2\,x - 1)}$$

Sequence: A155635
Score: 9.49415
Type of gen. func.: ogf

$$\frac{27\,x^2 + 2\,x - 1}{(x - 1)\,(8\,x - 1)\,(5\,x - 1)}$$

Sequence: A155636
Score: 4.69195
Type of gen. func.: ogf

-(701 f(x) - 386)

$(45\,f(x)\,x^3 - 59\,f(x)\,x^2 + 15\,f(x)\,x - 31\,x^2 - f(x) - 2\,x + 1)$

Sequence: A155636
Score: 4.89076
Type of gen. func.: ogf

{a(n + 3) - 15 a(n + 2) + 59 a(n + 1) - 45 a(n), a(0) = 1, a(1) = 13,

a(2) = 105}

Sequence: A155636
Score: 7.63963
Type of gen. func.: lgdogf

$$-\frac{1395 x^4 + 180 x^3 - 718 x^2 + 180 x - 13}{(x - 1) (9 x - 1) (5 x - 1) (31 x^2 + 2 x - 1)}$$

Sequence: A155636
Score: 8.87862
Type of gen. func.: ogf

$$\frac{31 x^2 + 2 x - 1}{(x - 1) (9 x - 1) (5 x - 1)}$$

Sequence: A155637
Score: 4.70297
Type of gen. func.: ogf

$\{a(n + 3) - 16 a(n + 2) + 65 a(n + 1) - 50 a(n), a(0) = 1, a(1) = 14,$

$a(2) = 124\}$

Sequence: A155637
Score: 4.78406
Type of gen. func.: ogf

$$(67 f(x) + 9) (50 f(x) x^3 - 65 f(x) x^2 + 16 f(x) x - 35 x^2 - f(x) - 2 x + 1)$$

Sequence: A155637
Score: 7.05701
Type of gen. func.: lgdogf

$$-\frac{2 (875 x^4 + 100 x^3 - 420 x^2 + 100 x - 7)}{(x - 1) (5 x + 1) (7 x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A155637
Score: 8.53771
Type of gen. func.: ogf

$$\frac{(5 x + 1) (7 x - 1)}{(x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A155638
Score: 4.66346
Type of gen. func.: ogf

$$(801 f(x) + 299) (55 f(x) x^3 - 71 f(x) x^2 + 17 f(x) x - 39 x^2 - f(x) - 2 x + 1)$$

Sequence: A155638
Score: 4.70297
Type of gen. func.: ogf

$$\{a(n + 3) - 17 a(n + 2) + 71 a(n + 1) - 55 a(n), a(0) = 1, a(1) = 15, a(2) = 145\}$$

Sequence: A155638
Score: 7.34310
Type of gen. func.: lgdogf

$$- \frac{5 (429 x^4 + 44 x^3 - 194 x^2 + 44 x - 3)}{(x - 1) (5 x - 1) (11 x - 1) (39 x^2 + 2 x - 1)}$$

Sequence: A155638
Score: 8.53771
Type of gen. func.: ogf

$$\frac{39 x^2 + 2 x - 1}{(x - 1) (5 x - 1) (11 x - 1)}$$

Sequence: A155639
Score: 4.86624
Type of gen. func.: ogf

$$-(25 f(x) - 13) (30 f(x) x^3 - 41 f(x) x^2 + 12 f(x) x + 29 x^2 - f(x) - 10 x + 1)$$

Sequence: A155639
Score: 5.11794
Type of gen. func.: ogf

$$\{-a(n+3) + 12\, a(n+2) - 41\, a(n+1) + 30\, a(n),\ a(0) = 1,\ a(1) = 2,\ a(2) = 12\}$$

Sequence: A155639
Score: 8.07644
Type of gen. func.: lgdogf

$$-\frac{2\,(435 x^4 - 300 x^3 + 76 x^2 - 12 x + 1)}{(x - 1)(6 x - 1)(5 x - 1)(29 x^2 - 10 x + 1)}$$

Sequence: A155639
Score: 8.99517
Type of gen. func.: ogf

$$-\frac{29 x^2 - 10 x + 1}{(x - 1)(6 x - 1)(5 x - 1)}$$

Sequence: A155640
Score: 5.01010
Type of gen. func.: ogf

$$\{a(n+3) - 13\, a(n+2) + 47\, a(n+1) - 35\, a(n),\ a(0) = 1,\ a(1) = 3,\ a(2) = 25\}$$

Sequence: A155640
Score: 5.95026
Type of gen. func.: ogf

$$(153 f(x) - 517)\,(35 f(x) x^3 - 47 f(x) x^2 + 13 f(x) x + 33 x^2 - f(x) - 10 x + 1)$$

Sequence: A155640
Score: 7.90540
Type of gen. func.: lgdogf

$$-\frac{1155 x^4 - 700 x^3 + 146 x^2 - 28 x + 3}{(x - 1) (7 x - 1) (5 x - 1) (33 x^2 - 10 x + 1)}$$

Sequence: A155640
Score: 8.80564
Type of gen. func.: ogf

$$-\frac{33 x^2 - 10 x + 1}{(x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A155641
Score: 4.95262
Type of gen. func.: ogf

-(833 f(x) - 657)

$$(40 f(x) x^3 - 53 f(x) x^2 + 14 f(x) x + 37 x^2 - f(x) - 10 x + 1)$$

Sequence: A155641
Score: 5.29418
Type of gen. func.: ogf

{a(n + 3) - 14 a(n + 2) + 53 a(n + 1) - 40 a(n), a(0) = 1, a(1) = 4, a(2) = 40}

Sequence: A155641
Score: 8.48087
Type of gen. func.: lgdogf

$$-\frac{4 (370 x^4 - 200 x^3 + 33 x^2 - 8 x + 1)}{(x - 1) (8 x - 1) (5 x - 1) (37 x^2 - 10 x + 1)}$$

Sequence: A155641
Score: 9.30492
Type of gen. func.: ogf

2

$$-\frac{37 x - 10 x + 1}{(x - 1) (8 x - 1) (5 x - 1)}$$

Sequence: A155642
Score: 4.76018
Type of gen. func.: ogf

$(701 f(x) - 449)$

$$(45 f(x) x^3 - 59 f(x) x^2 + 15 f(x) x + 41 x^2 - f(x) - 10 x + 1)$$

Sequence: A155642
Score: 4.92432
Type of gen. func.: ogf

$\{a(n + 3) - 15 a(n + 2) + 59 a(n + 1) - 45 a(n), a(0) = 1, a(1) = 5, a(2) = 57\}$

Sequence: A155642
Score: 7.77005
Type of gen. func.: lgdogf

$$-\frac{1845 x^4 - 900 x^3 + 110 x^2 - 36 x + 5}{(x - 1) (9 x - 1) (5 x - 1) (41 x^2 - 10 x + 1)}$$

Sequence: A155642
Score: 8.65486
Type of gen. func.: ogf

$$-\frac{41 x^2 - 10 x + 1}{(x - 1) (9 x - 1) (5 x - 1)}$$

Sequence: A155643
Score: 4.68214
Type of gen. func.: ogf

$(5427 f(x) - 3191)$

$$(50 f(x) x^3 - 65 f(x) x^2 + 16 f(x) x + 45 x^2 - f(x) - 10 x + 1)$$

Sequence: A155643
Score: 4.92432
Type of gen. func.: ogf

$\{a(n + 3) - 16 a(n + 2) + 65 a(n + 1) - 50 a(n), a(0) = 1, a(1) = 6, a(2) = 76\}$

Sequence: A155643
Score: 7.56005
Type of gen. func.: lgdogf

$$-\frac{2 (1125 x^4 - 500 x^3 + 40 x^2 - 20 x + 3)}{(x - 1) (5 x - 1) (10 x - 1) (45 x^2 - 10 x + 1)}$$

Sequence: A155643
Score: 8.65486
Type of gen. func.: ogf

$$-\frac{45 x^2 - 10 x + 1}{(x - 1) (5 x - 1) (10 x - 1)}$$

Sequence: A155644
Score: 4.5014
Type of gen. func.: ogf

$(2225 f(x) - 1257)$

$(55 f(x) x^3 - 71 f(x) x^2 + 17 f(x) x + 49 x^2 - f(x) - 10 x + 1)$

Sequence: A155644
Score: 4.73422
Type of gen. func.: ogf

$\{a(n + 3) - 17 a(n + 2) + 71 a(n + 1) - 55 a(n), a(0) = 1, a(1) = 7, a(2) = 97\}$

Sequence: A155644

Score: 7.36450
Type of gen. func.: lgdogf

$$-\frac{2695 x^4 - 1100 x^3 + 42 x^2 - 44 x + 7}{(x - 1) (5 x - 1) (11 x - 1) (49 x^2 - 10 x + 1)}$$

Sequence: A155644
Score: 8.32076
Type of gen. func.: ogf

$$-\frac{49 x^2 - 10 x + 1}{(x - 1) (5 x - 1) (11 x - 1)}$$

Sequence: A155645
Score: 4.91799
Type of gen. func.: ogf

$$-(f(x) + 83) (42 f(x) x^3 - 55 f(x) x^2 + 14 f(x) x - 29 x^2 - f(x) - 2 x + 1)$$

Sequence: A155645
Score: 5.04409
Type of gen. func.: ogf

$$\{a(n + 3) - 14 a(n + 2) + 55 a(n + 1) - 42 a(n), a(0) = 1, a(1) = 12, a(2) = 84\}$$

Sequence: A155645
Score: 8.03022
Type of gen. func.: lgdogf

$$-\frac{6 (203 x^4 + 28 x^3 - 107 x^2 + 28 x - 2)}{(x - 1) (6 x - 1) (7 x - 1) (29 x^2 + 2 x - 1)}$$

Sequence: A155645
Score: 9.07937
Type of gen. func.: ogf

$$\frac{29 x^2 + 2 x - 1}{(x - 1) (6 x - 1) (7 x - 1)}$$

Sequence: A155646
Score: 5.22984
Type of gen. func.: ogf

$$(7 f(x) - 1927) (48 f(x) x^3 - 62 f(x) x^2 + 15 f(x) x - 34 x^2 - f(x) - 2 x + 1)$$

Sequence: A155646
Score: 5.27453
Type of gen. func.: ogf

$\{a(n + 3) - 15 a(n + 2) + 62 a(n + 1) - 48 a(n), a(0) = 1, a(1) = 13, a(2) = 99$

$\}$

Sequence: A155646
Score: 8.06850
Type of gen. func.: lgdogf

$$- \frac{1632 x^4 + 192 x^3 - 778 x^2 + 192 x - 13}{(x - 1) (6 x - 1) (8 x - 1) (34 x^2 + 2 x - 1)}$$

Sequence: A155646
Score: 9.49415
Type of gen. func.: ogf

$$\frac{34 x^2 + 2 x - 1}{(x - 1) (6 x - 1) (8 x - 1)}$$

Sequence: A155647
Score: 4.89076
Type of gen. func.: ogf

3 2 2

$$(29 f(x) - 161) (54 f(x) x - 69 f(x) x + 16 f(x) x - 39 x - f(x) - 2 x + 1)$$

Sequence: A155647
Score: 4.89076
Type of gen. func.: ogf

$$\{a(n + 3) - 16 a(n + 2) + 69 a(n + 1) - 54 a(n), a(0) = 1, a(1) = 14, a(2) = 116\}$$

Sequence: A155647
Score: 7.53777
Type of gen. func.: lgdogf

$$- \frac{2 (1053 x^4 + 108 x^3 - 462 x^2 + 108 x - 7)}{(x - 1) (6 x - 1) (9 x - 1) (39 x^2 + 2 x - 1)}$$

Sequence: A155647
Score: 8.87862
Type of gen. func.: ogf

$$\frac{39 x^2 + 2 x - 1}{(x - 1) (6 x - 1) (9 x - 1)}$$

Sequence: A155648
Score: 4.66346
Type of gen. func.: ogf

$$-(f(x) - 1) (60 f(x) x^3 - 76 f(x) x^2 + 17 f(x) x - 44 x^2 - f(x) - 2 x + 1)$$

Sequence: A155648
Score: 4.70297
Type of gen. func.: ogf

$$\{a(n + 3) - 17 a(n + 2) + 76 a(n + 1) - 60 a(n), a(0) = 1, a(1) = 15, a(2) = 135\}$$

Sequence: A155648
Score: 7.34310
Type of gen. func.: lgdogf

$$-\frac{15\,(176\,x^4+16\,x^3-72\,x^2+16\,x-1)}{(x-1)\,(6\,x-1)\,(10\,x-1)\,(44\,x^2+2\,x-1)}$$

Sequence: A155648
Score: 8.53771
Type of gen. func.: ogf

$$\frac{44\,x^2+2\,x-1}{(x-1)\,(6\,x-1)\,(10\,x-1)}$$

Sequence: A155649
Score: 4.58638
Type of gen. func.: ogf

$$-(535\,f(x)-7)\,(66\,f(x)\,x^3-83\,f(x)\,x^2+18\,f(x)\,x-49\,x^2-f(x)-2\,x+1)$$

Sequence: A155649
Score: 4.70297
Type of gen. func.: ogf

$\{a(n+3)-18\,a(n+2)+83\,a(n+1)-66\,a(n),\ a(0)=1,\ a(1)=16,$

$a(2)=156\}$

Sequence: A155649
Score: 7.05701
Type of gen. func.: lgdogf

$$-\frac{2\,(1617\,x^4+132\,x^3-623\,x^2+132\,x-8)}{(x-1)\,(6\,x-1)\,(11\,x-1)\,(49\,x^2+2\,x-1)}$$

Sequence: A155649
Score: 8.53771
Type of gen. func.: ogf

$$\frac{49 x^2 + 2 x - 1}{(x - 1) (6 x - 1) (11 x - 1)}$$

Sequence: A155650
Score: 4.7146
Type of gen. func.: ogf

$$-(18 f(x) - 11) (42 f(x) x^3 - 55 f(x) x^2 + 14 f(x) x + 41 x^2 - f(x) - 12 x + 1)$$

Sequence: A155650
Score: 4.95845
Type of gen. func.: ogf

{-a(n + 3) + 14 a(n + 2) - 55 a(n + 1) + 42 a(n), a(0) = 1, a(1) = 2, a(2) = 14

}

Sequence: A155650
Score: 7.61077
Type of gen. func.: lgdogf

$$- \frac{2 (861 x^4 - 504 x^3 + 106 x^2 - 14 x + 1)}{(x - 1) (6 x - 1) (7 x - 1) (41 x^2 - 12 x + 1)}$$

Sequence: A155650
Score: 8.71485
Type of gen. func.: ogf

$$- \frac{41 x^2 - 12 x + 1}{(x - 1) (6 x - 1) (7 x - 1)}$$

Sequence: A155651
Score: 4.913
Type of gen. func.: ogf

$$-(343 f(x) - 1583)$$

$$(48 f(x) x^3 - 62 f(x) x^2 + 15 f(x) x + 46 x^2 - f(x) - 12 x + 1)$$

Sequence: A155651
Score: 5.29418
Type of gen. func.: ogf

$\{a(n + 3) - 15 a(n + 2) + 62 a(n + 1) - 48 a(n), a(0) = 1, a(1) = 3, a(2) = 29\}$

Sequence: A155651
Score: 8.24852
Type of gen. func.: lgdogf

$$-\frac{2208 x^4 - 1152 x^3 + 198 x^2 - 32 x + 3}{(x - 1) (6 x - 1) (8 x - 1) (46 x^2 - 12 x + 1)}$$

Sequence: A155651
Score: 9.30492
Type of gen. func.: ogf

$$-\frac{46 x^2 - 12 x + 1}{(x - 1) (6 x - 1) (8 x - 1)}$$

Sequence: A155652
Score: 4.60662
Type of gen. func.: ogf

$$-(232 f(x) - 193)$$

$$(54 f(x) x^3 - 69 f(x) x^2 + 16 f(x) x + 51 x^2 - f(x) - 12 x + 1)$$

Sequence: A155652
Score: 4.92432
Type of gen. func.: ogf

$\{a(n + 3) - 16 a(n + 2) + 69 a(n + 1) - 54 a(n), a(0) = 1, a(1) = 4, a(2) = 46\}$

Sequence: A155652
Score: 7.66361
Type of gen. func.: lgdogf

$$-\frac{2\,(1377\,x^4 - 648\,x^3 + 87\,x^2 - 18\,x + 2)}{(x - 1)\,(6\,x - 1)\,(9\,x - 1)\,(51\,x^2 - 12\,x + 1)}$$

Sequence: A155652
Score: 8.65486
Type of gen. func.: ogf

$$-\frac{51\,x^2 - 12\,x + 1}{(x - 1)\,(6\,x - 1)\,(9\,x - 1)}$$

Sequence: A155653
Score: 4.84086
Type of gen. func.: ogf

$$(81\,f(x) - 56)\,(60\,f(x)\,x^3 - 76\,f(x)\,x^2 + 17\,f(x)\,x + 56\,x^2 - f(x) - 12\,x + 1)$$

Sequence: A155653
Score: 4.92432
Type of gen. func.: ogf

$\{a(n + 3) - 17\,a(n + 2) + 76\,a(n + 1) - 60\,a(n),\ a(0) = 1,\ a(1) = 5,\ a(2) = 65\}$

Sequence: A155653
Score: 7.77005
Type of gen. func.: lgdogf

$$-\frac{5\,(672\,x^4 - 288\,x^3 + 28\,x^2 - 8\,x + 1)}{(x - 1)\,(6\,x - 1)\,(10\,x - 1)\,(56\,x^2 - 12\,x + 1)}$$

Sequence: A155653
Score: 8.65486
Type of gen. func.: ogf

$$-\frac{56 x^2 - 12 x + 1}{(x - 1) (6 x - 1) (10 x - 1)}$$

Sequence: A155654
Score: 4.57642
Type of gen. func.: ogf

$(214 f(x) - 137)$

$$(66 f(x) x^3 - 83 f(x) x^2 + 18 f(x) x + 61 x^2 - f(x) - 12 x + 1)$$

Sequence: A155654
Score: 4.73422
Type of gen. func.: ogf

$\{a(n + 3) - 18 a(n + 2) + 83 a(n + 1) - 66 a(n), a(0) = 1, a(1) = 6, a(2) = 86\}$

Sequence: A155654
Score: 7.26498
Type of gen. func.: lgdogf

$$-\frac{2 (2013 x^4 - 792 x^3 + 48 x^2 - 22 x + 3)}{(x - 1) (6 x - 1) (11 x - 1) (61 x^2 - 12 x + 1)}$$

Sequence: A155654
Score: 8.32076
Type of gen. func.: ogf

$$-\frac{61 x^2 - 12 x + 1}{(x - 1) (6 x - 1) (11 x - 1)}$$

Sequence: A155655
Score: 5.14969

Type of gen. func.: ogf

$$-(f(x) + 111) (56 f(x) x^3 - 71 f(x) x^2 + 16 f(x) x - 41 x^2 - f(x) - 2 x + 1)$$

Sequence: A155655
Score: 5.28061
Type of gen. func.: ogf

$$\{a(n + 3) - 16 a(n + 2) + 71 a(n + 1) - 56 a(n), a(0) = 1, a(1) = 14, a(2) = 112\}$$

Sequence: A155655
Score: 8.48790
Type of gen. func.: lgdogf

$$- \frac{14 (164 x^4 + 16 x^3 - 69 x^2 + 16 x - 1)}{(x - 1) (8 x - 1) (7 x - 1) (41 x^2 + 2 x - 1)}$$

Sequence: A155655
Score: 9.58634
Type of gen. func.: ogf

$$\frac{41 x^2 + 2 x - 1}{(x - 1) (8 x - 1) (7 x - 1)}$$

Sequence: A155656
Score: 4.91572
Type of gen. func.: ogf

$$\{a(n + 3) - 17 a(n + 2) + 79 a(n + 1) - 63 a(n), a(0) = 1, a(1) = 15, a(2) = 129\}$$

Sequence: A155656
Score: 4.95773
Type of gen. func.: ogf

3 2 2

$$(f(x) - 757) (63 f(x) x - 79 f(x) x + 17 f(x) x - 47 x - f(x) - 2 x + 1)$$

Sequence: A155656
Score: 7.89274
Type of gen. func.: lgdogf

$$- \frac{3 (987 x^4 + 84 x^3 - 382 x^2 + 84 x - 5)}{(x - 1) (7 x - 1) (9 x - 1) (47 x^2 + 2 x - 1)}$$

Sequence: A155656
Score: 8.92392
Type of gen. func.: ogf

$$\frac{47 x^2 + 2 x - 1}{(x - 1) (7 x - 1) (9 x - 1)}$$

Sequence: A155657
Score: 4.54878
Type of gen. func.: ogf

$$-(81 f(x) - 641) (70 f(x) x^3 - 87 f(x) x^2 + 18 f(x) x - 53 x^2 - f(x) - 2 x + 1)$$

Sequence: A155657
Score: 4.70297
Type of gen. func.: ogf

$$\{a(n + 3) - 18 a(n + 2) + 87 a(n + 1) - 70 a(n), a(0) = 1, a(1) = 16, a(2) = 148\}$$

Sequence: A155657
Score: 7.05701
Type of gen. func.: lgdogf

$$- \frac{2 (1855 x^4 + 140 x^3 - 669 x^2 + 140 x - 8)}{(x - 1) (7 x - 1) (10 x - 1) (53 x^2 + 2 x - 1)}$$

Sequence: A155657
Score: 8.53771
Type of gen. func.: ogf

$$\frac{53 x^2 + 2 x - 1}{(x - 1) (7 x - 1) (10 x - 1)}$$

Sequence: A155658
Score: 4.58638
Type of gen. func.: ogf

$(1121 f(x) - 1737)$

$$(77 f(x) x^3 - 95 f(x) x^2 + 19 f(x) x - 59 x^2 - f(x) - 2 x + 1)$$

Sequence: A155658
Score: 4.70297
Type of gen. func.: ogf

$\{a(n + 3) - 19 a(n + 2) + 95 a(n + 1) - 77 a(n), a(0) = 1, a(1) = 17,$

$a(2) = 169\}$

Sequence: A155658
Score: 7.05701
Type of gen. func.: lgdogf

$$- \frac{4543 x^4 + 308 x^3 - 1542 x^2 + 308 x - 17}{(x - 1) (7 x - 1) (11 x - 1) (59 x^2 + 2 x - 1)}$$

Sequence: A155658
Score: 8.53771
Type of gen. func.: ogf

$$\frac{59 x^2 + 2 x - 1}{(x - 1) (7 x - 1) (11 x - 1)}$$

Sequence: A155659
Score: 4.9847
Type of gen. func.: ogf

$$-(49 f(x) - 33) (56 f(x) x^3 - 71 f(x) x^2 + 16 f(x) x + 55 x^2 - f(x) - 14 x + 1)$$

Sequence: A155659
Score: 5.24253
Type of gen. func.: ogf

$$\{-a(n + 3) + 16 a(n + 2) - 71 a(n + 1) + 56 a(n), a(0) = 1, a(1) = 2, a(2) = 16\}$$

Sequence: A155659
Score: 8.05608
Type of gen. func.: lgdogf

$$-\frac{2 (1540 x^4 - 784 x^3 + 141 x^2 - 16 x + 1)}{(x - 1) (8 x - 1) (7 x - 1) (55 x^2 - 14 x + 1)}$$

Sequence: A155659
Score: 9.21414
Type of gen. func.: ogf

$$-\frac{55 x^2 - 14 x + 1}{(x - 1) (8 x - 1) (7 x - 1)}$$

Sequence: A155660
Score: 4.72084
Type of gen. func.: ogf

$$-(4 f(x) - 31) (63 f(x) x^3 - 79 f(x) x^2 + 17 f(x) x + 61 x^2 - f(x) - 14 x + 1)$$

Sequence: A155660
Score: 4.92432

Type of gen. func.: ogf

$$\{a(n + 3) - 17 a(n + 2) + 79 a(n + 1) - 63 a(n), a(0) = 1, a(1) = 3, a(2) = 33\}$$

Sequence: A155660
Score: 7.66361
Type of gen. func.: lgdogf

$$- \frac{3 (1281 x^4 - 588 x^3 + 86 x^2 - 12 x + 1)}{(x - 1) (7 x - 1) (9 x - 1) (61 x^2 - 14 x + 1)}$$

Sequence: A155660
Score: 8.65486
Type of gen. func.: ogf

$$- \frac{61 x^2 - 14 x + 1}{(x - 1) (7 x - 1) (9 x - 1)}$$

Sequence: A155661
Score: 4.60662
Type of gen. func.: ogf

$$-(729 f(x) - 629)$$

$$(70 f(x) x^3 - 87 f(x) x^2 + 18 f(x) x + 67 x^2 - f(x) - 14 x + 1)$$

Sequence: A155661
Score: 4.92432
Type of gen. func.: ogf

$$\{a(n + 3) - 18 a(n + 2) + 87 a(n + 1) - 70 a(n), a(0) = 1, a(1) = 4, a(2) = 52\}$$

Sequence: A155661
Score: 7.45925
Type of gen. func.: lgdogf

$$- \frac{2 (2345 x^4 - 980 x^3 + 111 x^2 - 20 x + 2)}{}$$

$$(x - 1) (7 x - 1) (10 x - 1) (67 x^2 - 14 x + 1)$$

Sequence: A155661
Score: 8.65486
Type of gen. func.: ogf

$$-\frac{67 x^2 - 14 x + 1}{(x - 1) (7 x - 1) (10 x - 1)}$$

Sequence: A155662
Score: 4.70931
Type of gen. func.: ogf

{a(n + 3) - 19 a(n + 2) + 95 a(n + 1) - 77 a(n), a(0) = 1, a(1) = 5, a(2) = 73}

Sequence: A155662
Score: 5.5566
Type of gen. func.: ogf

$$(28025 f(x) - 20457)$$

$$(77 f(x) x^3 - 95 f(x) x^2 + 19 f(x) x + 73 x^2 - f(x) - 14 x + 1)$$

Sequence: A155662
Score: 7.22593
Type of gen. func.: lgdogf

$$-\frac{5621 x^4 - 2156 x^3 + 174 x^2 - 44 x + 5}{(x - 1) (7 x - 1) (11 x - 1) (73 x^2 - 14 x + 1)}$$

Sequence: A155662
Score: 8.27697
Type of gen. func.: ogf

$$-\frac{73 x^2 - 14 x + 1}{(x - 1) (7 x - 1) (11 x - 1)}$$

Sequence: A155663
Score: 4.81817
Type of gen. func.: ogf

$$-(f(x) + 143) (72 f(x) x^3 - 89 f(x) x^2 + 18 f(x) x - 55 x^2 - f(x) - 2 x + 1)$$

Sequence: A155663
Score: 4.94067
Type of gen. func.: ogf

$\{a(n + 3) - 18 a(n + 2) + 89 a(n + 1) - 72 a(n), a(0) = 1, a(1) = 16,$

$a(2) = 144\}$

Sequence: A155663
Score: 7.82495
Type of gen. func.: lgdogf

$$- \frac{8 (495 x^4 + 36 x^3 - 173 x^2 + 36 x - 2)}{(x - 1) (9 x - 1) (8 x - 1) (55 x^2 + 2 x - 1)}$$

Sequence: A155663
Score: 8.96922
Type of gen. func.: ogf

$$\frac{55 x^2 + 2 x - 1}{(x - 1) (8 x - 1) (9 x - 1)}$$

Sequence: A155664
Score: 4.70297
Type of gen. func.: ogf

$\{a(n + 3) - 19 a(n + 2) + 98 a(n + 1) - 80 a(n), a(0) = 1, a(1) = 17,$

$a(2) = 163\}$

Sequence: A155664
Score: 4.70298
Type of gen. func.: ogf

$$(f(x) - 5601) (80 f(x) x^3 - 98 f(x) x^2 + 19 f(x) x - 62 x^2 - f(x) - 2 x + 1)$$

Sequence: A155664
Score: 7.05701
Type of gen. func.: lgdogf

$$- \frac{4960 x^4 + 320 x^3 - 1614 x^2 + 320 x - 17}{(x - 1) (8 x - 1) (10 x - 1) (62 x^2 + 2 x - 1)}$$

Sequence: A155664
Score: 8.53771
Type of gen. func.: ogf

$$\frac{62 x^2 + 2 x - 1}{(x - 1) (8 x - 1) (10 x - 1)}$$

Sequence: A155665
Score: 4.5118
Type of gen. func.: ogf

$$(1179 f(x) - 12619)$$

$$(88 f(x) x^3 - 107 f(x) x^2 + 20 f(x) x - 69 x^2 - f(x) - 2 x + 1)$$

Sequence: A155665
Score: 4.66345
Type of gen. func.: ogf

{a(n + 3) - 20 a(n + 2) + 107 a(n + 1) - 88 a(n), a(0) = 1, a(1) = 18,

a(2) = 184}

Sequence: A155665
Score: 7.05701
Type of gen. func.: lgdogf

$$-\frac{2\,(3036\,x^4+176\,x^3-929\,x^2+176\,x-9)}{(x-1)\,(11\,x-1)\,(8\,x-1)\,(69\,x^2+2\,x-1)}$$

Sequence: A155665
Score: 8.40835
Type of gen. func.: ogf

$$\frac{69\,x^2+2\,x-1}{(x-1)\,(11\,x-1)\,(8\,x-1)}$$

Sequence: A155666
Score: 4.68214
Type of gen. func.: ogf

$$-(32\,f(x)-23)\,(72\,f(x)\,x^3-89\,f(x)\,x^2+18\,f(x)\,x+71\,x^2-f(x)-16\,x+1)$$

Sequence: A155666
Score: 4.92432
Type of gen. func.: ogf

{a(n + 3) - 18 a(n + 2) + 89 a(n + 1) - 72 a(n), a(0) = 1, a(1) = 2, a(2) = 18}

Sequence: A155666
Score: 7.45925
Type of gen. func.: lgdogf

$$-\frac{2\,(2556\,x^4-1152\,x^3+181\,x^2-18\,x+1)}{(x-1)\,(8\,x-1)\,(9\,x-1)\,(71\,x^2-16\,x+1)}$$

Sequence: A155666
Score: 8.65486
Type of gen. func.: ogf

$$71\,x^2-16\,x+1$$

```
                         - ---------------------------
                           (x - 1) (8 x - 1) (9 x - 1)



------------------------------------------------------------------------------

Sequence:  A155667
Score: 4.76018
Type of gen. func.: ogf


(81 f(x) - 2951)

              3            2                   2
    (80 f(x) x  - 98 f(x) x  + 19 f(x) x + 78 x  - f(x) - 16 x + 1)



------------------------------------------------------------------------------

Sequence:  A155667
Score: 4.92432
Type of gen. func.: ogf


{a(n + 3) - 19 a(n + 2) + 98 a(n + 1) - 80 a(n), a(0) = 1, a(1) = 3, a(2) = 37}



------------------------------------------------------------------------------

Sequence:  A155667
Score: 7.56005
Type of gen. func.: lgdogf


                            4         3        2
                      6240 x  - 2560 x  + 326 x  - 40 x + 3
               - -----------------------------------------------
                                                   2
                 (x - 1) (8 x - 1) (10 x - 1) (78 x  - 16 x + 1)



------------------------------------------------------------------------------

Sequence:  A155667
Score: 8.65486
Type of gen. func.: ogf


                                     2
                                 78 x  - 16 x + 1
                         - ----------------------------
                           (x - 1) (8 x - 1) (10 x - 1)



------------------------------------------------------------------------------

Sequence:  A155668
Score: 4.30142
Type of gen. func.: ogf


-(3275 f(x) - 2901)

              3             2                    2
    (88 f(x) x  - 107 f(x) x  + 20 f(x) x + 85 x  - f(x) - 16 x + 1)
```

Sequence: A155668
Score: 4.66906
Type of gen. func.: ogf

$\{a(n + 3) - 20 a(n + 2) + 107 a(n + 1) - 88 a(n), a(0) = 1, a(1) = 4, a(2) = 58\}$

Sequence: A155668
Score: 7.22593
Type of gen. func.: lgdogf

$$-\frac{4 (1870 x^4 - 704 x^3 + 69 x^2 - 11 x + 1)}{(x - 1) (11 x - 1) (8 x - 1) (85 x^2 - 16 x + 1)}$$

Sequence: A155668
Score: 8.15343
Type of gen. func.: ogf

$$-\frac{85 x^2 - 16 x + 1}{(x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A155669
Score: 4.66345
Type of gen. func.: ogf

$\{a(n + 3) - 20 a(n + 2) + 109 a(n + 1) - 90 a(n), a(0) = 1, a(1) = 18, a(2) = 180\}$

Sequence: A155669
Score: 4.70298
Type of gen. func.: ogf

$$(f(x) + 179) (90 f(x) x^3 - 109 f(x) x^2 + 20 f(x) x - 71 x^2 - f(x) - 2 x + 1)$$

Sequence: A155669
Score: 7.24519
Type of gen. func.: lgdogf

$$-\frac{18\,(355\,x^4 + 20\,x^3 - 106\,x^2 + 20\,x - 1)}{(x - 1)\,(9\,x - 1)\,(10\,x - 1)\,(71\,x^2 + 2\,x - 1)}$$

Sequence: A155669
Score: 8.40835
Type of gen. func.: ogf

$$\frac{71\,x^2 + 2\,x - 1}{(x - 1)\,(9\,x - 1)\,(10\,x - 1)}$$

Sequence: A155670
Score: 4.47541
Type of gen. func.: ogf

$$-(7\,f(x) + 17417)$$

$$(99\,f(x)\,x^3 - 119\,f(x)\,x^2 + 21\,f(x)\,x - 79\,x^2 - f(x) - 2\,x + 1)$$

Sequence: A155670
Score: 4.66345
Type of gen. func.: ogf

$\{a(n + 3) - 21\,a(n + 2) + 119\,a(n + 1) - 99\,a(n), a(0) = 1, a(1) = 19,$

$a(2) = 201\}$

Sequence: A155670
Score: 7.05701
Type of gen. func.: lgdogf

$$-\frac{7821\,x^4 + 396\,x^3 - 2194\,x^2 + 396\,x - 19}{(x - 1)\,(9\,x - 1)\,(11\,x - 1)\,(79\,x^2 + 2\,x - 1)}$$

Sequence: A155670
Score: 8.40835
Type of gen. func.: ogf

$$\frac{79 x^2 + 2 x - 1}{(x - 1) (9 x - 1) (11 x - 1)}$$

Sequence: A155671
Score: 4.64407
Type of gen. func.: ogf

$$-(81 f(x) - 61)$$

$$(90 f(x) x^3 - 109 f(x) x^2 + 20 f(x) x + 89 x^2 - f(x) - 18 x + 1)$$

Sequence: A155671
Score: 4.88223
Type of gen. func.: ogf

$$\{a(n + 3) - 20 a(n + 2) + 109 a(n + 1) - 90 a(n), a(0) = 1, a(1) = 2, a(2) = 20\}$$

Sequence: A155671
Score: 7.36110
Type of gen. func.: lgdogf

$$- \frac{2 (4005 x^4 - 1620 x^3 + 226 x^2 - 20 x + 1)}{(x - 1) (9 x - 1) (10 x - 1) (89 x^2 - 18 x + 1)}$$

Sequence: A155671
Score: 8.52569
Type of gen. func.: ogf

$$- \frac{89 x^2 - 18 x + 1}{(x - 1) (9 x - 1) (10 x - 1)}$$

Sequence: A155672

Score: 4.31262
Type of gen. func.: ogf

```
-(175 f(x) + 1849)

              3             2                    2
    (99 f(x) x  - 119 f(x) x  + 21 f(x) x + 97 x  - f(x) - 18 x + 1)
```

Sequence: A155672
Score: 4.64436
Type of gen. func.: ogf

```
{a(n + 3) - 21 a(n + 2) + 119 a(n + 1) - 99 a(n), a(0) = 1, a(1) = 3, a(2) = 41

    }
```

Sequence: A155672
Score: 8.11030
Type of gen. func.: ogf

```
                                     2
                                 97 x  - 18 x + 1
                         - ----------------------------
                           (x - 1) (9 x - 1) (11 x - 1)
```

Sequence: A155673
Score: 4.5118
Type of gen. func.: ogf

```
                          3              2                    2
 -(f(x) + 219) (110 f(x) x  - 131 f(x) x  + 22 f(x) x - 89 x  - f(x) - 2 x + 1)
```

Sequence: A155673
Score: 4.62459
Type of gen. func.: ogf

```
{a(n + 3) - 22 a(n + 2) + 131 a(n + 1) - 110 a(n), a(0) = 1, a(1) = 20,

    a(2) = 220}
```

Sequence: A155673
Score: 7.14986
Type of gen. func.: lgdogf

```
                              4       3        2
```

$$-\frac{10\,(979\,x + 44\,x - 255\,x + 44\,x - 2)}{(x-1)\,(10\,x-1)\,(11\,x-1)\,(89\,x^{2} + 2\,x - 1)}$$

Sequence: A155673
Score: 8.28285
Type of gen. func.: ogf

$$\frac{89\,x^{2} + 2\,x - 1}{(x-1)\,(10\,x-1)\,(11\,x-1)}$$

Sequence: A155674
Score: 4.27775
Type of gen. func.: ogf

$-(50\,f(x) - 39)$

$$(110\,f(x)\,x^{3} - 131\,f(x)\,x^{2} + 22\,f(x)\,x + 109\,x^{2} - f(x) - 20\,x + 1)$$

Sequence: A155674
Score: 4.53151
Type of gen. func.: ogf

$\{a(n+3) - 22\,a(n+2) + 131\,a(n+1) - 110\,a(n),\ a(0) = 1,\ a(1) = 2,$

$a(2) = 22\}$

Sequence: A155674
Score: 6.62224
Type of gen. func.: lgdogf

$$-\frac{2\,(5995\,x^{4} - 2200\,x^{3} + 276\,x^{2} - 22\,x + 1)}{(x-1)\,(10\,x-1)\,(11\,x-1)\,(109\,x^{2} - 20\,x + 1)}$$

Sequence: A155674
Score: 7.74954
Type of gen. func.: ogf

2

$$-\frac{109 x - 20 x + 1}{(x - 1) (10 x - 1) (11 x - 1)}$$

Sequence: A155701
Score: 10.6242
Type of gen. func.: lgdogf

$$-\frac{-44 x^{2} + 24 x - 4}{-44 x^{3} + 67 x^{2} - 26 x + 3}$$

Sequence: A155701
Score: 11.4542
Type of gen. func.: ogf

$$-4 f(x) x^{2} + 5 f(x) x - f(x) - 11 x + 3$$

Sequence: A155701
Score: 15.9363
Type of gen. func.: ogf

$$-\frac{-3 + 11 x}{(4 x - 1) (x - 1)}$$

Sequence: A155701
Score: 16.7451
Type of gen. func.: revogf

$$-\frac{-3 - 5 x + (9 x^{2} - 14 x + 9)^{1/2}}{2 (4 x + 11)}$$

Sequence: A155701
Score: 17.5620
Type of gen. func.: lgdogf

$$-\frac{4 (11 x^{2} - 6 x + 1)}{(x - 1) (-3 + 11 x) (4 x - 1)}$$

Sequence: A155701
Score: 8.93990
Type of gen. func.: ogf

$$\{a(n+2) - 5\,a(n+1) + 4\,a(n),\ a(0) = 3,\ a(1) = 4\}$$

Sequence: A155721
Score: 13.3911
Type of gen. func.: lgdogf

$$-\frac{8\,x - 5}{4\,x^{2} - 5\,x + 1}$$

Sequence: A155721
Score: 15.3715
Type of gen. func.: revogf

$$-\frac{-4 - 5\,x + (4 + x)^{1/2}\,(9\,x + 4)^{1/2}}{8\,x}$$

Sequence: A155721
Score: 19.4780
Type of gen. func.: ogf

$$\frac{4}{(4\,x - 1)\,(x - 1)}$$

Sequence: A155721
Score: 27.4015
Type of gen. func.: lgdogf

$$-\frac{8\,x - 5}{(4\,x - 1)\,(x - 1)}$$

Sequence: A155721

Score: 7.47414
Type of gen. func.: ogf

$$(341 f(x) + 1136) (4 f(x) x^2 - 5 f(x) x + f(x) - 4)$$

Sequence: A155721
Score: 7.74428
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - 4 a(n), a(0) = 4, a(1) = 20\}$$

Sequence: A155734
Score: 15.7724
Type of gen. func.: ogf

$$-3 f(x) x + f(x) + 8 x - 3$$

Sequence: A155734
Score: 18.6779
Type of gen. func.: lgdogf

$$- \frac{1}{-24 x^2 + 17 x - 3}$$

Sequence: A155734
Score: 18.8224
Type of gen. func.: revogf

$$3/16 + \frac{3 x}{16} - \frac{(9 x^2 - 14 x + 9)^{1/2}}{16}$$

Sequence: A155734
Score: 19.1827
Type of gen. func.: ogf

$$\frac{-3 + 8 x}{3 x - 1}$$

Sequence: A155734
Score: 40.9665
Type of gen. func.: lgdogf

$$\frac{1}{(3 x - 1) (-3 + 8 x)}$$

Sequence: A155734
Score: 9.85776
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1), a(0) = 3, a(1) = 1\}$$

Sequence: A155751
Score: 8.02552
Type of gen. func.: ogf

$$\frac{5 x^7 - 8 x^6 + 6 x^5 + 4 x^4 - 3 x^3 - 2 x^2 - 7 x + 1}{x^8 + 1}$$

Sequence: A155753
Score: 15.1703
Type of gen. func.: lgdogf

$$- \frac{3 x^3 - 9 x^2 + 3 x - 5}{(x - 1) (3 x^3 - 9 x^2 + 7 x - 3)}$$

Sequence: A155753
Score: 3.87160
Type of gen. func.: ogf

$$\{(27 n^2 + 171 n + 234) a(n + 1) + (-50 n^2 - 256 n - 282) a(n + 2)$$
$$+ (23 n^2 + 97 n + 84) a(n + 3), a(0) = 3, a(1) = 5, a(2) = 11\}$$

Sequence: A155753
Score: 5.16213
Type of gen. func.: ogf

$$(118 f(x) + 627)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 3 x^3 - 4 f(x) x - 9 x^2 + f(x) + 7 x - 3)$$

Sequence: A155753
Score: 8.76940
Type of gen. func.: lgdogf

$$- \frac{-3 x^3 + 9 x^2 - 3 x + 5}{-3 x^4 + 12 x^3 - 16 x^2 + 10 x - 3}$$

Sequence: A155753
Score: 9.45273
Type of gen. func.: ogf

$$- \frac{3 x^3 - 9 x^2 + 7 x - 3}{(x - 1)^4}$$

Sequence: A155754
Score: 6.48113
Type of gen. func.: ogf

$$- \frac{2 x^8 + 4 x^7 + 8 x^6 - 3 x^5 - 6 x^4 + 7 x^3 - 5 x^2 + 9 x - 1}{(x + 1) (x^2 - x + 1) (x^6 - x^3 + 1)}$$

Sequence: A155757
Score: 14.2601
Type of gen. func.: lgdogf

$$- \frac{5 x^3 - 15 x^2 + 9 x - 7}{(x - 1) (5 x^3 - 15 x^2 + 13 x - 5)}$$

Sequence: A155757
Score: 3.83084
Type of gen. func.: ogf

$$\{(45 n^2 + 285 n + 390) a(n + 1) + (-86 n^2 - 448 n - 510) a(n + 2) + (41 n^2 + 175 n + 156) a(n + 3), a(0) = 5, a(1) = 7, a(2) = 13\}$$

Sequence: A155757
Score: 5.05458
Type of gen. func.: ogf

$$(122 f(x) + 1019) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 5 x^3 - 4 f(x) x - 15 x^2 + f(x) + 13 x - 5)$$

Sequence: A155757
Score: 8.66500
Type of gen. func.: lgdogf

$$- \frac{-5 x^3 + 15 x^2 - 9 x + 7}{-5 x^4 + 20 x^3 - 28 x^2 + 18 x - 5}$$

Sequence: A155757
Score: 9.21342
Type of gen. func.: ogf

$$- \frac{5 x^3 - 15 x^2 + 13 x - 5}{(x - 1)^4}$$

Sequence: A155769
Score: 10.8648
Type of gen. func.: lgdogf

2

$$-\frac{41 x - 90 x + 37}{41 x^{3} - 127 x^{2} + 127 x - 41}$$

Sequence: A155769
Score: 12.3927
Type of gen. func.: ogf

$$\frac{41 x^{2} - 86 x + 41}{(x - 1)^{3}}$$

Sequence: A155769
Score: 19.9245
Type of gen. func.: lgdogf

$$-\frac{41 x^{2} - 90 x + 37}{(x - 1) (41 x^{2} - 86 x + 41)}$$

Sequence: A155769
Score: 6.72144
Type of gen. func.: ogf

$$(61 f(x) - 4230) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x - 41 x^{2} - f(x) + 86 x - 41)$$

Sequence: A155769
Score: 6.89679
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = -41, a(1) = -37, a(2) = -29\}$$

Sequence: A155785
Score: 6.97607
Type of gen. func.: ogf

$$-\frac{3601 x^{9} - 3581 x^{8} - 10 x^{7} - 10 x^{6} + 10 x^{4} + 261 x^{3} - 260 x^{2} - 20 x - 1}{{}^{2}}$$

$$(x - 1)$$

Sequence: A155803
Score: 11.3829
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 3 x^2 - 2}{2 x^4 - x^3 - 2 x + 1}$$

Sequence: A155803
Score: 18.7916
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 3 x^2 - 2}{(x - 1) (2 x - 1) (x^2 + x + 1)}$$

Sequence: A155803
Score: 18.8790
Type of gen. func.: ogf

$$\frac{x^3}{(2 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A155803
Score: 9.55605
Type of gen. func.: ogf

$$2 f(x) x^4 - f(x) x^3 - x^3 - 2 f(x) x + f(x)$$

Sequence: A155822
Score: 8.40987
Type of gen. func.: lgdogf

$$x^8 + 8 x^6 - 6 x^5 + 18 x^4 - 6 x^3 + 8 x^2 + 1$$
$$- \text{--}$$

$$(x + 1) (x^2 - x + 1) (2 x^5 - x^4 + 2 x^3 - x^2 + x - 1) (x^2 + 1)$$

Sequence: A155822
Score: 8.57892
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 + 1) (x^2 - x + 1)}{2 x^5 - x^4 + 2 x^3 - x^2 + x - 1}$$

Sequence: A155857
Score: 3.35885
Type of gen. func.: ogf

{a(n + 1) + (n + 1) a(n + 2) + (-n - 5) a(n + 3) + a(n + 4), a(0) = 1, a(1) = 2,

a(2) = 6, a(3) = 23}

Sequence: A155859
Score: 10.7385
Type of gen. func.: ogf

$$-\frac{5 x^2 - 10 x + 4}{(10 x - 1) (x - 1)^2}$$

Sequence: A155859
Score: 11.8280
Type of gen. func.: lgdogf

$$-\frac{2 (25 x^3 - 75 x^2 + 60 x - 19)}{(x - 1) (10 x - 1) (5 x^2 - 10 x + 4)}$$

Sequence: A155859
Score: 5.32829
Type of gen. func.: ogf

-(6086821 f(x) + 3750995)

$$(10 f(x) x^3 - 21 f(x) x^2 + 12 f(x) x + 5 x^2 - f(x) - 10 x + 4)$$

Sequence: A155859
Score: 5.91530
Type of gen. func.: ogf

$$\{a(n + 3) - 12 a(n + 2) + 21 a(n + 1) - 10 a(n), a(0) = 4, a(1) = 38, a(2) = 377\}$$

Sequence: A155859
Score: 7.58701
Type of gen. func.: lgdogf

$$-\frac{-50 x^3 + 150 x^2 - 120 x + 38}{-50 x^4 + 155 x^3 - 155 x^2 + 54 x - 4}$$

Sequence: A155862
Score: 10.8813
Type of gen. func.: revogf

$$-\frac{(-1 - 13 x + 3 (17 x^2 + 2 x + 1)^{1/2}) x}{2 (x + 1) (2 x - 1)}$$

Sequence: A155862
Score: 7.07943
Type of gen. func.: lgdogf

$$\frac{13 - 82 x + 37 x^2 - 4 x^3 + 3 ((x^2 - 6 x + 1) (x + 1)^2)^{1/2}}{2 (x^2 - 6 x + 1) (2 x^2 - 13 x + 2)}$$

Sequence: A155862
Score: 9.58665
Type of gen. func.: ogf

2 2 2 2

$$2 f(x) x - 13 f(x) x + 2 f(x) + f(x) x - f(x) - 1$$

Sequence: A155867
Score: 10.8569
Type of gen. func.: revogf

$$-\frac{-1 - 3 x + x^2 + (x^4 - 2 x^3 + 7 x^2 + 2 x + 1)^{1/2}}{2 (x + 1)}$$

Sequence: A155867
Score: 5.93528
Type of gen. func.: ogf

$$f(x)^2 x^2 - f(x)^2 x + f(x) x^2 - 3 f(x) x + f(x) + x - 1$$

Sequence: A155867
Score: 6.12075
Type of gen. func.: revogf

$$-\frac{-1 - 3 x + x^2 + (x^4 - 2 x^3 + 7 x^2 + 2 x + 1)^{1/2}}{2 (x + 1)}$$

Sequence: A155872
Score: 11.3255
Type of gen. func.: ogf

$$-\frac{21 x - 2}{(11 x - 1) (10 x - 1)}$$

Sequence: A155872
Score: 11.5615
Type of gen. func.: lgdogf

$$-\frac{2310 x^2 - 440 x + 21}{(21 x - 2) (10 x - 1) (11 x - 1)}$$

Sequence: A155872
Score: 5.84159
Type of gen. func.: ogf

$$-(f(x) + 439) (110 f(x) x^2 - 21 f(x) x + f(x) + 21 x - 2)$$

Sequence: A155872
Score: 6.45292
Type of gen. func.: ogf

$$\{a(n + 2) - 21 a(n + 1) + 110 a(n), a(0) = 2, a(1) = 21\}$$

Sequence: A155872
Score: 7.24519
Type of gen. func.: revogf

$$\frac{8 x (3 x^2 + 16) (x^2 + 16)}{x^6 + 252 x^5 + 96 x^4 + 5376 x^3 + 1280 x^2 + 21504 x + 4096}$$

Sequence: A155872
Score: 7.30199
Type of gen. func.: lgdogf

$$- \frac{-2310 x^2 + 440 x - 21}{-2310 x^3 + 661 x^2 - 63 x + 2}$$

Sequence: A155883
Score: 10.3757
Type of gen. func.: ogf

$$\frac{7 x^3 + 47 x^2 + 29 x + 1}{(x - 1)^4}$$

Sequence: A155883

Score: 3.95980
Type of gen. func.: ogf

$$\{(-2113 n^2 - 8591 n - 8730) a(n + 1) + (3722 n^2 + 15676 n + 34680) a(n + 2) + (-1609 n^2 - 8597 n - 11310) a(n + 3), a(0) = 1, a(1) = 33, a(2) = 173\}$$

Sequence: A155883
Score: 5.28825
Type of gen. func.: ogf

$$(54414549 f(x) + 1429761065) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 7 x^3 - 4 f(x) x - 47 x^2 + f(x) - 29 x - 1)$$

Sequence: A155883
Score: 9.31453
Type of gen. func.: lgdogf

$$- \frac{7 x^3 + 115 x^2 + 181 x + 33}{7 x^4 + 40 x^3 - 18 x^2 - 28 x - 1}$$

Sequence: A155888
Score: 4.7691
Type of gen. func.: ogf

$$(f(x) + 4) (f(x) x^4 - 8 f(x) x^3 + 14 f(x) x^2 + 3 x^3 - 7 f(x) x - 9 x^2 + f(x) + 6 x - 1)$$

Sequence: A155888
Score: 7.33073
Type of gen. func.: lgdogf

$$- \frac{3 x^6 - 18 x^5 + 48 x^4 - 58 x^3 + 36 x^2 - 10 x + 1}{(3 x^3 - 9 x^2 + 6 x - 1) (x^4 - 8 x^3 + 14 x^2 - 7 x + 1)}$$

Sequence: A155888
Score: 8.43764
Type of gen. func.: ogf

$$-\frac{3x^3-9x^2+6x-1}{x^4-8x^3+14x^2-7x+1}$$

Sequence: A155923
Score: 5.53973
Type of gen. func.: lgdogf

$$-(13x^{10}+34x^9+75x^8+56x^7+17x^6-78x^5+85x^4+136x^3+159x^2+50x+17) / ((x-1)(13x^4+30x^3+55x^2+30x+13)(x^6-6x^3+1))$$

Sequence: A155923
Score: 8.24607
Type of gen. func.: ogf

$$-\frac{(x-1)(13x^4+30x^3+55x^2+30x+13)}{x^6-6x^3+1}$$

Sequence: A155944
Score: 10.7007
Type of gen. func.: lgdogf

$$-\frac{-12x^3+15x^2-4x-1}{-6x^4+7x^3+4x^2-7x+2}$$

Sequence: A155944
Score: 15.3939
Type of gen. func.: ogf

$$-\frac{x(3x-2)}{(x-1)(2x-1)(x+1)}$$

Sequence: A155944
Score: 17.3324
Type of gen. func.: lgdogf

$$-\frac{12x^3-15x^2+4x+1}{(x-1)(2x-1)(3x-2)(x+1)}$$

Sequence: A155944
Score: 7.90499
Type of gen. func.: ogf

$$\{a(n+3)-2a(n+2)-a(n+1)+2a(n),\ a(0)=0,\ a(1)=2,\ a(2)=1\}$$

Sequence: A155944
Score: 8.2005
Type of gen. func.: ogf

$$(f(x)+4)(2f(x)x^3-f(x)x^2-2f(x)x+3x^2+f(x)-2x)$$

Sequence: A155965
Score: 10.6320
Type of gen. func.: ogf

$$\frac{x(5x^2-4x+5)}{(x-1)^4}$$

Sequence: A155965
Score: 11.7596
Type of gen. func.: lgdogf

$$-\frac{-10x^2+2x-16}{-5x^3+9x^2-9x+5}$$

Sequence: A155965
Score: 22.4999
Type of gen. func.: lgdogf

$$-\frac{2\,(5x^{2}-x+8)}{(x-1)\,(5x^{2}-4x+5)}$$

Sequence: A155965
Score: 3.86137
Type of gen. func.: ogf

$$\{(15+5n)\,a(n+4)+(-34-9n)\,a(n+3)+(11+9n)\,a(n+2)$$

$$+(-10-5n)\,a(n+1),\ a(0)=0,\ a(1)=5,\ a(2)=16,\ a(3)=39\}$$

Sequence: A155965
Score: 5.50451
Type of gen. func.: ogf

$$-(420\,f(x)+323)$$

$$(f(x)\,x^{4}-4\,f(x)\,x^{3}+6\,f(x)\,x^{2}-5\,x^{3}-4\,f(x)\,x+4\,x^{2}+f(x)-5\,x)$$

Sequence: A155966
Score: 11.7180
Type of gen. func.: lgdogf

$$-\frac{-5x^{2}+4x-5}{-5x^{3}+12x^{2}-11x+4}$$

Sequence: A155966
Score: 12.2760
Type of gen. func.: ogf

$$-\frac{2\,(5x^{2}-7x+4)}{\quad{}^{3}}$$

$$(x - 1)$$

Sequence: A155966
Score: 20.7251
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^{2} - 3 x + 4)}{(x - 1) (4 x^{2} - 7 x + 5)}$$

Sequence: A155966
Score: 6.78408
Type of gen. func.: ogf

$$(2 f(x) - 25) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 10 x^{2} - f(x) - 14 x + 8)$$

Sequence: A155966
Score: 6.78408
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 8, a(1) = 10, a(2) = 16\}$$

Sequence: A155977
Score: 10.8514
Type of gen. func.: lgdogf

$$-\frac{2 (x^{4} + 23 x^{3} + 81 x^{2} + 65 x + 10)}{(x - 1) (x^{4} + 14 x^{3} + 30 x^{2} + 14 x + 1)}$$

Sequence: A155977
Score: 6.25086
Type of gen. func.: ogf

$$\frac{2 x (x^{4} + 14 x^{3} + 30 x^{2} + 14 x + 1)}{(x - 1)^{6}}$$

Sequence: A155980
Score: 8.13368
Type of gen. func.: ogf

$$(41 f(x) - 68) (2 f(x) x^2 + x^3 + f(x) x - 4 x^2 - f(x) + 2 x)$$

Sequence: A155988
Score: 11.8075
Type of gen. func.: ogf

$$\frac{9 x + 1}{(9 x - 1)^2}$$

Sequence: A155988
Score: 11.8075
Type of gen. func.: lgdogf

$$- \frac{81 x + 27}{81 x^2 - 1}$$

Sequence: A155988
Score: 13.9331
Type of gen. func.: revogf

$$- \frac{-18 x - 1 + (72 x + 1)^{1/2}}{18 (9 x - 1)}$$

Sequence: A155988
Score: 20.1255
Type of gen. func.: lgdogf

$$- \frac{27 (3 x + 1)}{(9 x - 1) (9 x + 1)}$$

Sequence: A155988

Score: 6.23541
Type of gen. func.: ogf

$$(16 f(x) + 65) (81 f(x) x^2 - 18 f(x) x + f(x) - 9 x - 1)$$

Sequence: A155988
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 18 a(n + 1) - 81 a(n), a(0) = 1, a(1) = 27\}$$

Sequence: A156001
Score: 4.87863
Type of gen. func.: ogf

$$- \frac{x^2 (126 x^6 + 297 x^5 + 167 x^4 - 400 x^3 - 410 x^2 - 113 x - 3)}{(x + 1)^3 (x - 1)^6}$$

Sequence: A156002
Score: 7.32940
Type of gen. func.: ogf

$$- \frac{x (3 x^2 - 2 x + 1)}{(7 x - 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A156002
Score: 7.89930
Type of gen. func.: lgdogf

$$- \frac{63 x^5 - 41 x^4 + 45 x^3 + 9 x^2 + 2 x - 6}{(x - 1) (7 x - 1) (x^2 + x + 1) (3 x^2 - 2 x + 1)}$$

Sequence: A156016
Score: 17.0916
Type of gen. func.: revogf

$$- 1/2 - x/2 + \frac{(-3 x^2 + 6 x + 1)^{1/2}}{2}$$

Sequence: A156016
Score: 9.42032
Type of gen. func.: ogf

$$-f(x)^2 x - f(x) x + f(x) - x - 1$$

Sequence: A156016
Score: 9.89133
Type of gen. func.: revogf

$$- 1/2 - x/2 + \frac{(-3 x^2 + 6 x + 1)^{1/2}}{2}$$

Sequence: A156017
Score: 12.1265
Type of gen. func.: ogf

$$-2 f(x)^2 x - 2 f(x) x + f(x) - 1$$

Sequence: A156017
Score: 16.2605
Type of gen. func.: revogf

$$- \frac{2 x^2 - x}{2 x + 1}$$

Sequence: A156017
Score: 29.4444
Type of gen. func.: revogf

$$- \frac{x (2 x - 1)}{2 x + 1}$$

Sequence: A156017
Score: 3.37482
Type of gen. func.: ogf

$$\{(8 n^2 + 8 n) a(n) + (-20 n^2 - 44 n - 24) a(n + 1) + (-10 n^2 - 58 n - 84) a(n + 2) + (n^2 + 7 n + 12) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 24\}$$

Sequence: A156017
Score: 9.81480
Type of gen. func.: lgdogf

$$- \frac{-2 x - 1 + (4 x^2 - 12 x + 1)^{1/2}}{2 x (4 x^2 - 12 x + 1)^{1/2}}$$

Sequence: A156039
Score: 6.60349
Type of gen. func.: ogf

$$\frac{x^4 - x^3 + 3 x^2 - x + 1}{(x + 1) (x^2 + 1) (x^2 + x + 1) (x - 1)^4}$$

Sequence: A156039
Score: 7.36171
Type of gen. func.: lgdogf

$$- \frac{5 x^9 + x^8 + 22 x^7 + 18 x^6 + 31 x^5 + 25 x^4 + 21 x^3 + 13 x^2 + 7 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1) (x^4 - x^3 + 3 x^2 - x + 1)}$$

Sequence: A156040
Score: 11.7299
Type of gen. func.: ogf

$$-\frac{x^2+1}{(x^2+x+1)(x+1)(x-1)^3}$$

Sequence: A156040
Score: 13.1246
Type of gen. func.: lgdogf

$$-\frac{4x^5+5x^4+10x^3+10x^2+6x+1}{(x-1)(x+1)(x^2+1)(x^2+x+1)}$$

Sequence: A156040
Score: 25.8392
Type of gen. func.: ogf_with_Euler_transform]

$$-x^3+x^2+2x+1$$

Sequence: A156058
Score: 10.4224
Type of gen. func.: lgdogf

$$\frac{10}{(1-20x)^{1/2}\,(1+(1-20x)^{1/2})}$$

Sequence: A156058
Score: 16.0149
Type of gen. func.: ogf

$$-1+f(x)-5f(x)^2\,x$$

Sequence: A156058
Score: 17.9120
Type of gen. func.: lgdogf

$$\frac{10}{\quad{}^{1/2}\qquad{}^{1/2}}$$

$$(1 - 20 x) \quad (1 + (1 - 20 x) \quad)$$

Sequence: A156058
Score: 6.19443
Type of gen. func.: ogf

$$\{(-20 n - 30) a(n + 1) + (n + 3) a(n + 2), a(0) = 1, a(1) = 5\}$$

Sequence: A156058
Score: 64.4832
Type of gen. func.: revogf

$$-x (5 x - 1)$$

Sequence: A156065
Score: 13.1159
Type of gen. func.: revogf

$$\frac{(1 + x + (5 x^2 + 2 x + 1)^{1/2}) x}{2 (x + 1)^2}$$

Sequence: A156066
Score: 10.6718
Type of gen. func.: ogf

$$- \frac{(x - 1) (2 x + 1) (x + 2)}{(x^2 + 2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A156066
Score: 6.48283
Type of gen. func.: ogf

$$(6440 f(x) - 1433) (f(x) x^4 - 6 f(x) x^2 + 2 x^3 + 3 x^2 + f(x) - 3 x - 2)$$

Sequence: A156066
Score: 8.09755

Type of gen. func.: lgdogf

$$-\frac{2x^6+6x^5+3x^4-8x^3+12x^2+18x+3}{(x-1)(2x+1)(x+2)(x^2+2x-1)(x^2-2x-1)}$$

Sequence: A156067
Score: 13.5242
Type of gen. func.: ogf

$$\frac{9x^2-x-1}{(x+1)(2x-1)}$$

Sequence: A156067
Score: 7.02730
Type of gen. func.: ogf

$$\{a(n+3)-a(n+2)-2a(n+1),\ a(0)=1,\ a(1)=2,\ a(2)=-5\}$$

Sequence: A156067
Score: 7.38953
Type of gen. func.: ogf

$$-(3f(x)-4)(2f(x)x^2+f(x)x-9x^2-f(x)+x+1)$$

Sequence: A156067
Score: 9.95535
Type of gen. func.: lgdogf

$$-\frac{-11x^2+14x-2}{18x^4+7x^3-12x^2+1}$$

Sequence: A156084
Score: 12.9144
Type of gen. func.: ogf

$$4x$$

$$\frac{}{(x + 1) (x^2 - 18 x + 1)}$$

Sequence: A156084
Score: 16.6196
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 34 x - 17}{(x + 1) (x^2 - 18 x + 1)}$$

Sequence: A156084
Score: 5.32437
Type of gen. func.: ogf

{-a(n + 3) + 17 a(n + 2) + 17 a(n + 1) - a(n), a(0) = 0, a(1) = 4, a(2) = 68}

Sequence: A156084
Score: 7.68327
Type of gen. func.: ogf

$$f(x) x^3 - 17 f(x) x^2 - 17 f(x) x + f(x) - 4 x$$

Sequence: A156084
Score: 8.92615
Type of gen. func.: lgdogf

$$-\frac{-3 x^2 + 34 x + 17}{-x^3 + 17 x^2 + 17 x - 1}$$

Sequence: A156085
Score: 14.0331
Type of gen. func.: ogf

$$\frac{x}{(x + 1) (x^2 - 18 x + 1)}$$

Sequence: A156085
Score: 15.8970
Type of gen. func.: lgdogf

$$-\frac{3x^2-34x-17}{(x+1)(x^2-18x+1)}$$

Sequence: A156085
Score: 5.78557
Type of gen. func.: ogf

{-a(n + 3) + 17 a(n + 2) + 17 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 17}

Sequence: A156085
Score: 8.34879
Type of gen. func.: ogf

$$f(x)\,x^3 - 17\,f(x)\,x^2 - 17\,f(x)\,x + f(x) - x$$

Sequence: A156085
Score: 9.69934
Type of gen. func.: lgdogf

$$-\frac{-3x^2+34x+17}{-x^3+17x^2+17x-1}$$

Sequence: A156086
Score: 12.1089
Type of gen. func.: lgdogf

$$-\frac{3x^3-91x^2-142x+50}{(x-1)(x+1)(x^2-47x+1)}$$

Sequence: A156086
Score: 2.90653
Type of gen. func.: ogf

$$\{(2 n + 7) a(n + 1) + (-96 n - 334) a(n + 2) + (96 n + 242) a(n + 3)$$

$$+ (-2 n - 5) a(n + 4), a(0) = 0, a(1) = 9, a(2) = 450, a(3) = 21186\}$$

Sequence: A156086
Score: 4.06521
Type of gen. func.: ogf

$$-(3988465544 f(x) + 33537177)$$

$$(f(x) x^4 - 49 f(x) x^3 + 96 f(x) x^2 - 49 f(x) x - 9 x^2 + f(x) - 9 x)$$

Sequence: A156086
Score: 7.71349
Type of gen. func.: lgdogf

$$- \frac{-3 x^3 + 91 x^2 + 142 x - 50}{-x^4 + 47 x^3 - 47 x + 1}$$

Sequence: A156086
Score: 8.84782
Type of gen. func.: ogf

$$\frac{9 (x + 1) x}{(x^2 - 47 x + 1) (x - 1)^2}$$

Sequence: A156087
Score: 11.3733
Type of gen. func.: lgdogf

$$- \frac{3 x^3 - 91 x^2 - 142 x + 50}{(x - 1) (x + 1) (x^2 - 47 x + 1)}$$

Sequence: A156087
Score: 3.84767
Type of gen. func.: ogf

$$-(3988465544 f(x) + 3726353)$$

$$(f(x) x^4 - 49 f(x) x^3 + 96 f(x) x^2 - 49 f(x) x - x^2 + f(x) - x)$$

Sequence: A156087
Score: 7.25138
Type of gen. func.: lgdogf

$$-\frac{-3 x^3 + 91 x^2 + 142 x - 50}{-x^4 + 47 x^3 - 47 x + 1}$$

Sequence: A156087
Score: 8.31776
Type of gen. func.: ogf

$$\frac{(x + 1) x}{(x^2 - 47 x + 1) (x - 1)^2}$$

Sequence: A156088
Score: 13.1253
Type of gen. func.: ogf

$$-\frac{x}{(x^2 + 7 x + 1) (x + 1)}$$

Sequence: A156088
Score: 18.5439
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 16 x + 8}{(x + 1) (x^2 + 7 x + 1)}$$

Sequence: A156088
Score: 5.32105
Type of gen. func.: ogf

$$\{a(n + 3) + 8 a(n + 2) + 8 a(n + 1) + a(n), a(0) = 0, a(1) = -1, a(2) = 8\}$$

Sequence: A156088
Score: 7.67061
Type of gen. func.: ogf

$$f(x) x^3 + 8 f(x) x^2 + 8 f(x) x + f(x) + x$$

Sequence: A156088
Score: 9.08672
Type of gen. func.: lgdogf

$$- \frac{-3 x^2 - 16 x - 8}{-x^3 - 8 x^2 - 8 x - 1}$$

Sequence: A156089
Score: 4.76975
Type of gen. func.: ogf

$$(4031 f(x) + 101) (f(x) x^4 + 7 f(x) x^3 - x^3 - 7 f(x) x - 4 x^2 - f(x) - x)$$

Sequence: A156089
Score: 8.24558
Type of gen. func.: lgdogf

$$- \frac{2 x^5 + 19 x^4 + 60 x^3 + 28 x^2 + 2 x - 3}{(x - 1) (x + 1) (x^2 + 4 x + 1) (x^2 + 7 x + 1)}$$

Sequence: A156089
Score: 8.80569
Type of gen. func.: ogf

$$\frac{(x^2 + 4 x + 1) x}{(x - 1) (x + 1) (x^2 + 7 x + 1)}$$

Sequence: A156090
Score: 12.7412
Type of gen. func.: lgdogf

$$- \frac{3 x^3 + 39 x^2 + 53 x - 15}{(x - 1) (x + 1) (x^2 + 18 x + 1)}$$

Sequence: A156090
Score: 2.97538
Type of gen. func.: ogf

$$\{(-2 n - 7) a(n + 1) + (-34 n - 121) a(n + 2) + (34 n + 83) a(n + 3)$$

$$+ (2 n + 5) a(n + 4), a(0) = 0, a(1) = -4, a(2) = 60, a(3) = -1096\}$$

Sequence: A156090
Score: 4.2446
Type of gen. func.: ogf

$$-(5972064 f(x) - 135167)$$

$$(f(x) x^4 + 16 f(x) x^3 - 34 f(x) x^2 + 16 f(x) x + 4 x^2 + f(x) + 4 x)$$

Sequence: A156090
Score: 7.88283
Type of gen. func.: lgdogf

$$- \frac{3 x^3 + 39 x^2 + 53 x - 15}{x^4 + 18 x^3 - 18 x - 1}$$

Sequence: A156090
Score: 8.92615
Type of gen. func.: ogf

$$-\frac{4\,(x+1)\,x}{(x^2+18\,x+1)\,(x-1)^2}$$

Sequence: A156091
Score: 12.0334
Type of gen. func.: lgdogf

$$-\frac{3\,x^3+39\,x^2+53\,x-15}{(x-1)\,(x+1)\,(x^2+18\,x+1)}$$

Sequence: A156091
Score: 3.97426
Type of gen. func.: ogf

$$-(23888256\,f(x)-135167)$$

$$(f(x)\,x^4+16\,f(x)\,x^3-34\,f(x)\,x^2+16\,f(x)\,x+x^2+f(x)+x)$$

Sequence: A156091
Score: 7.43238
Type of gen. func.: lgdogf

$$-\frac{3\,x^3+39\,x^2+53\,x-15}{x^4+18\,x^3-18\,x-1}$$

Sequence: A156091
Score: 8.41607
Type of gen. func.: ogf

$$-\frac{(x+1)\,x}{(x^2+18\,x+1)\,(x-1)^2}$$

Sequence: A156092
Score: 12.7421

Type of gen. func.: ogf

$$-\frac{9x}{(x+1)(x^2+47x+1)}$$

Sequence: A156092
Score: 17.5069
Type of gen. func.: lgdogf

$$-\frac{3(x^2+32x+16)}{(x+1)(x^2+47x+1)}$$

Sequence: A156092
Score: 5.20764
Type of gen. func.: ogf

$$\{a(n+3)+48a(n+2)+48a(n+1)+a(n),\ a(0)=0,\ a(1)=-9,\ a(2)=432\}$$

Sequence: A156092
Score: 7.58075
Type of gen. func.: ogf

$$f(x)x^3+48f(x)x^2+48f(x)x+f(x)+9x$$

Sequence: A156092
Score: 8.80704
Type of gen. func.: lgdogf

$$-\frac{-3x^2-96x-48}{-x^3-48x^2-48x-1}$$

Sequence: A156093
Score: 12.0342
Type of gen. func.: ogf

$$x$$

$$-\frac{}{(x+1)(x^2+47x+1)}$$

Sequence: A156093
Score: 16.5563
Type of gen. func.: lgdogf

$$-\frac{3(x^2+32x+16)}{(x+1)(x^2+47x+1)}$$

Sequence: A156093
Score: 4.96147
Type of gen. func.: ogf

$$\{a(n+3)+48\,a(n+2)+48\,a(n+1)+a(n),\ a(0)=0,\ a(1)=-1,\ a(2)=48\}$$

Sequence: A156093
Score: 7.1596
Type of gen. func.: ogf

$$f(x)\,x^3+48\,f(x)\,x^2+48\,f(x)\,x+f(x)+x$$

Sequence: A156093
Score: 8.31776
Type of gen. func.: lgdogf

$$-\frac{-3x^2-96x-48}{-x^3-48x^2-48x-1}$$

Sequence: A156094
Score: 6.36034
Type of gen. func.: ogf

$$-\frac{11x^4-60x^3+53x^2-10x+1}{(x-1)(x^2-7x+1)(x^2-3x+1)}$$

Sequence: A156095
Score: 5.55491
Type of gen. func.: lgdogf

$$-\frac{x^8 + 40x^7 - 334x^6 + 660x^5 - 259x^4 - 480x^3 + 456x^2 - 120x + 11}{(x - 1)(x^2 - 7x + 1)(x^2 - 3x + 1)(x^4 + 20x^3 - 27x^2 + 1)}$$

Sequence: A156095
Score: 6.79408
Type of gen. func.: ogf

$$-\frac{x^4 + 20x^3 - 27x^2 + 1}{(x - 1)(x^2 - 7x + 1)(x^2 - 3x + 1)}$$

Sequence: A156096
Score: 14.3667
Type of gen. func.: ogf

$$-\frac{x + 1}{2x^3 + 4x^2 - 1}$$

Sequence: A156096
Score: 16.0519
Type of gen. func.: lgdogf

$$-\frac{4x^3 + 10x^2 + 8x + 1}{(x + 1)(2x^3 + 4x^2 - 1)}$$

Sequence: A156096
Score: 7.48902
Type of gen. func.: ogf

{a(n + 3) - 4 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 1, a(2) = 4}

Sequence: A156096
Score: 7.82186
Type of gen. func.: ogf

$$-(71 f(x) - 1) (2 f(x) x^3 + 4 f(x) x^2 - f(x) + x + 1)$$

Sequence: A156096
Score: 8.69096
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 10 x^2 + 8 x + 1}{2 x^4 + 6 x^3 + 4 x^2 - x - 1}$$

Sequence: A156106
Score: 3.98254
Type of gen. func.: ogf

$$-27 x^2 f(x)^3 + 9 f(x)^3 x - 2 f(x)^3 - 9 f(x)^2 x + 6 f(x)^2 - 6 f(x) + 2$$

Sequence: A156125
Score: 5.39913
Type of gen. func.: ogf

$$\{(-40 n - 60) a(n + 1) + (n + 5) a(n + 2), a(0) = 1, a(1) = 5\}$$

Sequence: A156125
Score: 5.61087
Type of gen. func.: ogf

$$-10000 f(x)^2 x^3 + 3000 f(x) x^2 - 100 f(x) x - 2560 x^2 + f(x) + 95 x - 1$$

Sequence: A156126
Score: 10.6454
Type of gen. func.: lgdogf

$$-\frac{(x-5)(x^2+7)}{(x-1)(9x^4-35x^3+50x^2-31x-1)}$$

Sequence: A156126
Score: 3.50003
Type of gen. func.: ogf

$$(7536 f(x) + 126889) (f(x) x^4 - 4 f(x) x^3 + 9 x^4 + 6 f(x) x^2 - 35 x^3 - 4 f(x) x + 50 x^2 + f(x) - 31 x - 1)$$

Sequence: A156126
Score: 6.20459
Type of gen. func.: ogf

$$-\frac{9x^4-35x^3+50x^2-31x-1}{(x-1)^4}$$

Sequence: A156127
Score: 10.2036
Type of gen. func.: lgdogf

$$-\frac{-2x^2+16x-11}{-2x^3+11x^2-13x+4}$$

Sequence: A156127
Score: 15.4188
Type of gen. func.: ogf

$$-\frac{x-4}{(2x-1)(x-1)}$$

Sequence: A156127
Score: 7.97522
Type of gen. func.: ogf

$$(17 f(x) + 53) (2 f(x) x^2 - 3 f(x) x + f(x) + x - 4)$$

Sequence: A156127
Score: 8.35958
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 4, a(1) = 11\}$$

Sequence: A156128
Score: 11.1234
Type of gen. func.: lgdogf

$$\frac{12}{(1 - 24 x)^{1/2} (1 + (1 - 24 x)^{1/2})}$$

Sequence: A156128
Score: 17.0921
Type of gen. func.: ogf

$$-1 + f(x) - 6 f(x)^2 x$$

Sequence: A156128
Score: 19.1389
Type of gen. func.: lgdogf

$$\frac{12}{(1 - 24 x)^{1/2} (1 + (1 - 24 x)^{1/2})}$$

Sequence: A156128
Score: 6.61110
Type of gen. func.: ogf

$$\{(-24 n - 36) a(n + 1) + (n + 3) a(n + 2), a(0) = 1, a(1) = 6\}$$

Sequence: A156128
Score: 62.6363
Type of gen. func.: revogf

$$-x (6 x - 1)$$

Sequence: A156156
Score: 12.6203
Type of gen. func.: ogf

$$-\frac{25 x - 13}{x^2 - 6 x + 1}$$

Sequence: A156156
Score: 12.9149
Type of gen. func.: revogf

$$-\frac{-13 - 6 x + (32 x^2 + 56 x + 169)^{1/2}}{2 (25 + x)}$$

Sequence: A156156
Score: 14.9018
Type of gen. func.: lgdogf

$$-\frac{25 x^2 - 26 x + 53}{(25 x - 13) (x^2 - 6 x + 1)}$$

Sequence: A156156
Score: 6.24374
Type of gen. func.: ogf

$$-(292 f(x) - 987) (f(x) x^2 - 6 f(x) x + f(x) + 25 x - 13)$$

Sequence: A156156
Score: 7.06137
Type of gen. func.: ogf

$\{a(n + 2) - 6 a(n + 1) + a(n), a(0) = 13, a(1) = 53\}$

Sequence: A156156
Score: 8.12541
Type of gen. func.: lgdogf

$$-\frac{-25 x^2 + 26 x - 53}{-25 x^3 + 163 x^2 - 103 x + 13}$$

Sequence: A156157
Score: 12.8115
Type of gen. func.: ogf

$$-\frac{17 (x - 1)}{x^2 - 6 x + 1}$$

Sequence: A156157
Score: 12.8295
Type of gen. func.: revogf

$$-\frac{-17 - 6 x + (32 x^2 + 136 x + 289)^{1/2}}{2 (17 + x)}$$

Sequence: A156157
Score: 19.6720
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x + 5}{(x - 1) (x^2 - 6 x + 1)}$$

Sequence: A156157
Score: 6.40577
Type of gen. func.: ogf

$$-(48 f(x) - 191) (f(x) x^2 - 6 f(x) x + f(x) + 17 x - 17)$$

Sequence: A156157
Score: 7.16836
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + a(n), a(0) = 17, a(1) = 85\}$$

Sequence: A156157
Score: 9.40847
Type of gen. func.: lgdogf

$$-\frac{-x^2 + 2 x - 5}{-x^3 + 7 x^2 - 7 x + 1}$$

Sequence: A156158
Score: 11.8404
Type of gen. func.: ogf

$$-\frac{13 x - 25}{x^2 - 6 x + 1}$$

Sequence: A156158
Score: 11.8418
Type of gen. func.: revogf

$$-\frac{-25 - 6 x + (32 x^2 + 248 x + 625)^{1/2}}{2 (13 + x)}$$

Sequence: A156158
Score: 13.6180
Type of gen. func.: lgdogf

$$-\frac{13 x^2 - 50 x + 137}{(13 x - 25) (x^2 - 6 x + 1)}$$

Sequence: A156158
Score: 5.85788
Type of gen. func.: ogf

$$-(772 f(x) - 531) (f(x) x^2 - 6 f(x) x + f(x) + 13 x - 25)$$

Sequence: A156158
Score: 6.54705
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + a(n), a(0) = 25, a(1) = 137\}$$

Sequence: A156158
Score: 7.52026
Type of gen. func.: lgdogf

$$-\frac{-13 x^2 + 50 x - 137}{-13 x^3 + 103 x^2 - 163 x + 25}$$

Sequence: A156159
Score: 4.73469
Type of gen. func.: ogf

$$-\frac{169 x^6 + 120 x^5 + 336 x^4 - 3562 x^3 + 336 x^2 + 120 x + 169}{(x - 1) (x^6 - 34 x^3 + 1)}$$

Sequence: A156160
Score: 3.62633
Type of gen. func.: ogf

$$(3952947718 f(x) - 49057110321)$$

$$(f(x) x^3 - 35 f(x) x^2 + 35 f(x) x + 625 x^2 - f(x) - 3106 x + 169)$$

Sequence: A156160

Score: 4.09805
Type of gen. func.: ogf

{-a(n + 3) + 35 a(n + 2) - 35 a(n + 1) + a(n), a(0) = 169, a(1) = 2809,

a(2) = 93025}

Sequence: A156160
Score: 6.01834
Type of gen. func.: lgdogf

$$-\frac{625 x^4 - 6212 x^3 + 87342 x^2 - 10580 x + 2809}{(x - 1) (x^2 - 34 x + 1) (625 x^2 - 3106 x + 169)}$$

Sequence: A156160
Score: 7.20086
Type of gen. func.: ogf

$$-\frac{625 x^2 - 3106 x + 169}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A156161
Score: 3.97889
Type of gen. func.: ogf

$(161703 f(x) - 524246)$

$(f(x) x^3 - 35 f(x) x^2 + 35 f(x) x + 289 x^2 - f(x) - 2890 x + 289)$

Sequence: A156161
Score: 4.17142
Type of gen. func.: ogf

{-a(n + 3) + 35 a(n + 2) - 35 a(n + 1) + a(n), a(0) = 289, a(1) = 7225,

a(2) = 243049}

Sequence: A156161
Score: 7.38937

Type of gen. func.: ogf

$$-\frac{289\,(x^2 - 10\,x + 1)}{(x - 1)\,(x^2 - 34\,x + 1)}$$

Sequence: A156161
Score: 8.30655
Type of gen. func.: lgdogf

$$-\frac{x^4 - 20\,x^3 + 318\,x^2 - 68\,x + 25}{(x - 1)\,(x^2 - 10\,x + 1)\,(x^2 - 34\,x + 1)}$$

Sequence: A156162
Score: 3.76206
Type of gen. func.: ogf

$(184565873078\,f(x) + 95931915481)$

$(f(x)\,x^3 - 35\,f(x)\,x^2 + 35\,f(x)\,x + 169\,x^2 - f(x) - 3106\,x + 625)$

Sequence: A156162
Score: 4.24361
Type of gen. func.: ogf

$\{-a(n + 3) + 35\,a(n + 2) - 35\,a(n + 1) + a(n), a(0) = 625, a(1) = 18769,$

$a(2) = 635209\}$

Sequence: A156162
Score: 6.18922
Type of gen. func.: lgdogf

$$-\frac{169\,x^4 - 6212\,x^3 + 104670\,x^2 - 43412\,x + 18769}{(x - 1)\,(x^2 - 34\,x + 1)\,(169\,x^2 - 3106\,x + 625)}$$

Sequence: A156162

Score: 7.57787
Type of gen. func.: ogf

$$-\frac{169 x^2 - 3106 x + 625}{(x - 1)(x^2 - 34 x + 1)}$$

Sequence: A156174
Score: 13.7471
Type of gen. func.: ogf

$$\frac{x^2 + 1}{x^4 + x^3 + x^2 + x + 1}$$

Sequence: A156174
Score: 22.4643
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + x^4 + 4 x^3 + 2 x^2 + 1}{(x^2 + 1)(x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A156174
Score: 27.0219
Type of gen. func.: ogf_with_Euler_transform]

$$x^4 - x^3 + x - 1$$

Sequence: A156174
Score: 6.29268
Type of gen. func.: ogf

{-a(n + 4) - a(n + 3) - a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = -1,

a(2) = 1, a(3) = -1}

Sequence: A156174
Score: 8.67534

Type of gen. func.: ogf

$$f(x) x^{4} + f(x) x^{3} + f(x) x^{2} + f(x) x - x^{2} + f(x) - 1$$

Sequence: A156189
Score: 13.9178
Type of gen. func.: lgdogf

$$-\frac{3 (36 x^{2} + 24 x + 1)}{(6 x - 1) (3 x + 1) (1 + 6 x)}$$

Sequence: A156189
Score: 14.2078
Type of gen. func.: ogf

$$-\frac{3 x + 1}{(6 x - 1) (1 + 6 x)}$$

Sequence: A156189
Score: 14.6137
Type of gen. func.: revogf

$$\frac{-1 + (144 x^{2} + 12 x + 1)^{1/2}}{6 (1 + 12 x)}$$

Sequence: A156189
Score: 8.52466
Type of gen. func.: ogf

$$(20 f(x) - 19) (36 f(x) x^{2} - f(x) + 3 x + 1)$$

Sequence: A156189
Score: 8.52466
Type of gen. func.: lgdogf

$$-\frac{-108 x^{2} - 72 x - 3}{}$$

$$-108 x^3 - 36 x^2 + 3 x + 1$$

Sequence: A156189
Score: 9.18040
Type of gen. func.: ogf

$$\{-a(n + 2) + 36 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A156195
Score: 13.5871
Type of gen. func.: revogf

$$- \frac{5 x^2 + x}{-30 x^2 - 10 x - 1}$$

Sequence: A156195
Score: 3.56167
Type of gen. func.: ogf

$$\{(120 n + 240) a(n + 1) + (-20 n - 40) a(n + 2) + (-6 n - 30) a(n + 3) + (n + 5) a(n + 4), a(0) = 1, a(1) = 5, a(2) = 30, a(3) = 175\}$$

Sequence: A156195
Score: 9.28741
Type of gen. func.: ogf

$$-30 f(x)^2 x^2 + 5 f(x)^2 x - 10 f(x) x + f(x) - 1$$

Sequence: A156198
Score: 10.0501
Type of gen. func.: revegf]

$$1/2 \ln(2 x + 5) + \operatorname{arctanh}(\frac{(22 x + 64)^{1/2}}{3}) - 1/2 \ln(5) - \operatorname{arctanh}(8/3)$$

Sequence: A156198
Score: 14.8161
Type of gen. func.: ogf

$$-\frac{5x-8}{(2x-1)(x-1)}$$

Sequence: A156198
Score: 16.3314
Type of gen. func.: lgdogf

$$-\frac{10x^2-32x+19}{(x-1)(5x-8)(2x-1)}$$

Sequence: A156198
Score: 7.57642
Type of gen. func.: ogf

$$(25 f(x)+161)(2 f(x) x^2-3 f(x) x+f(x)+5x-8)$$

Sequence: A156198
Score: 8.03283
Type of gen. func.: ogf

$$\{-a(n+2)+3 a(n+1)-2 a(n), a(0)=8, a(1)=19\}$$

Sequence: A156198
Score: 9.52464
Type of gen. func.: lgdogf

$$-\frac{-10x^2+32x-19}{-10x^3+31x^2-29x+8}$$

Sequence: A156199
Score: 7.99430
Type of gen. func.: ogf

$$-\frac{2x^{11}+7x^{10}+x^{9}+7x^{8}+2x^{7}+x^{6}+x^{5}+4x^{4}+2x^{3}+4x^{2}+x+1}{(x-1)(x+1)(x^{2}+x+1)(x^{2}-x+1)(x^{2}+1)(x^{4}-x^{2}+1)}$$

Sequence: A156202
Score: 14.7868
Type of gen. func.: ogf

$$-\frac{7x-10}{(2x-1)(x-1)}$$

Sequence: A156202
Score: 15.5052
Type of gen. func.: revogf

$$-\frac{-10-3x+(x^{2}+32x+100)^{1/2}}{2(7+2x)}$$

Sequence: A156202
Score: 16.6681
Type of gen. func.: lgdogf

$$-\frac{14x^{2}-40x+23}{(7x-10)(x-1)(2x-1)}$$

Sequence: A156202
Score: 8.09756
Type of gen. func.: ogf

$$\{-a(n+2)+3a(n+1)-2a(n),\ a(0)=10,\ a(1)=23\}$$

Sequence: A156202
Score: 8.68143
Type of gen. func.: ogf

$$(29f(x)+239)(2f(x)x^{2}-3f(x)x+f(x)+7x-10)$$

Sequence: A156202
Score: 9.58021
Type of gen. func.: lgdogf

$$-\frac{-14 x^2 + 40 x - 23}{-14 x^3 + 41 x^2 - 37 x + 10}$$

Sequence: A156203
Score: 13.7542
Type of gen. func.: ogf

$$-\frac{11 x - 14}{(2 x - 1) (x - 1)}$$

Sequence: A156203
Score: 14.3890
Type of gen. func.: revogf

$$-\frac{-14 - 3 x + (x^2 + 40 x + 196)^{1/2}}{2 (11 + 2 x)}$$

Sequence: A156203
Score: 15.4419
Type of gen. func.: lgdogf

$$-\frac{22 x^2 - 56 x + 31}{(x - 1) (2 x - 1) (11 x - 14)}$$

Sequence: A156203
Score: 7.18275
Type of gen. func.: ogf

$$(37 f(x) + 443) (2 f(x) x^2 - 3 f(x) x + f(x) + 11 x - 14)$$

Sequence: A156203
Score: 7.69580
Type of gen. func.: ogf

$$\{-a(n+2) + 3 a(n+1) - 2 a(n), a(0) = 14, a(1) = 31\}$$

Sequence: A156203
Score: 9.10489
Type of gen. func.: lgdogf

$$-\frac{-22 x^2 + 56 x - 31}{-22 x^3 + 61 x^2 - 53 x + 14}$$

Sequence: A156230
Score: 7.74751
Type of gen. func.: ogf

$$-\frac{7 x^9 - x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 1}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A156232
Score: 11.9888
Type of gen. func.: ogf

$$-\frac{4 (x - 1) x}{(2 x - 1) (2 x^2 - 1)}$$

Sequence: A156232
Score: 14.9569
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 14 x^2 + 4 x + 1}{(x - 1) (2 x - 1) (2 x^2 - 1)}$$

Sequence: A156232

Score: 6.15643
Type of gen. func.: ogf

$$-(f(x) + 4) (4 f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + 4 x^2 + f(x) - 4 x)$$

Sequence: A156232
Score: 6.15643
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - 4 a(n), a(0) = 0, a(1) = 4, a(2) = 4\}$$

Sequence: A156232
Score: 9.36115
Type of gen. func.: lgdogf

$$-\frac{-8 x^3 + 14 x^2 - 4 x - 1}{-4 x^4 + 6 x^3 - 3 x + 1}$$

Sequence: A156266
Score: 13.8206
Type of gen. func.: ogf

$$-1 + f(x) - 7 f(x)^2 x$$

Sequence: A156266
Score: 5.34568
Type of gen. func.: ogf

$$\{(-28 n - 42) a(n + 1) + (n + 3) a(n + 2), a(0) = 1, a(1) = 7\}$$

Sequence: A156266
Score: 8.99432
Type of gen. func.: lgdogf

$$\frac{14}{(1 - 28 x)^{1/2} (1 + (1 - 28 x)^{1/2})}$$

Sequence: A156269
Score: 7.58191
Type of gen. func.: lgdogf

$$-\frac{2 (16 x^7 + 32 x^6 + 72 x^5 - 68 x^4 - 36 x^3 - 30 x^2 + 6 x + 1)}{(4 x^3 + 1) (8 x^5 + 8 x^4 + 12 x^3 - 6 x^2 - 2 x - 1)}$$

Sequence: A156269
Score: 8.21469
Type of gen. func.: ogf

$$-\frac{8 x^5 + 8 x^4 + 12 x^3 - 6 x^2 - 2 x - 1}{(4 x^3 + 1)^2}$$

Sequence: A156270
Score: 14.3734
Type of gen. func.: ogf

$$-1 + f(x) - 8 f(x)^2 x$$

Sequence: A156270
Score: 16.0549
Type of gen. func.: lgdogf

$$\frac{16}{(1 - 32 x)^{1/2} (1 + (1 - 32 x)^{1/2})}$$

Sequence: A156270
Score: 5.55951
Type of gen. func.: ogf

$$\{(-32 n - 48) a(n + 1) + (n + 3) a(n + 2), a(0) = 1, a(1) = 8\}$$

Sequence: A156270

Score: 52.5432
Type of gen. func.: revogf

$$-x (8 x - 1)$$

Sequence: A156270
Score: 9.35410
Type of gen. func.: lgdogf

$$\frac{16}{(1 - 32 x)^{1/2} (1 + (1 - 32 x)^{1/2})}$$

Sequence: A156273
Score: 11.0109
Type of gen. func.: lgdogf

$$\frac{18}{(1 - 36 x)^{1/2} (1 + (1 - 36 x)^{1/2})}$$

Sequence: A156273
Score: 16.9192
Type of gen. func.: ogf

$$-1 + f(x) - 9 f(x)^2 x$$

Sequence: A156273
Score: 18.9480
Type of gen. func.: lgdogf

$$\frac{18}{(1 - 36 x)^{1/2} (1 + (1 - 36 x)^{1/2})}$$

Sequence: A156273
Score: 6.54424
Type of gen. func.: ogf

$$\{(-36 n - 54) a(n + 1) + (n + 3) a(n + 2), a(0) = 1, a(1) = 9\}$$

Sequence: A156273
Score: 62.0116
Type of gen. func.: revogf

$$-x (9 x - 1)$$

Sequence: A156275
Score: 14.9756
Type of gen. func.: ogf

$$-1 + f(x) - 10 f(x)^2 x$$

Sequence: A156275
Score: 5.87825
Type of gen. func.: ogf

$$\{(-40 n - 60) a(n + 1) + (n + 3) a(n + 2), a(0) = 1, a(1) = 10\}$$

Sequence: A156275
Score: 9.98370
Type of gen. func.: lgdogf

$$\frac{20}{(1 - 40 x)^{1/2} (1 + (1 - 40 x)^{1/2})}$$

Sequence: A156276
Score: 5.18567
Type of gen. func.: ogf

$$\{-a(n + 4) + 100 a(n + 2), a(0) = 1, a(1) = 5, a(2) = 100, a(3) = 250\}$$

Sequence: A156276
Score: 6.5301
Type of gen. func.: ogf

$$(52 f(x) + 11) (100 f(x) x^2 - 250 x^3 - f(x) + 5 x + 1)$$

Sequence: A156276
Score: 7.49821
Type of gen. func.: lgdogf

$$\frac{5 (5000 x^{4} - 50 x^{2} + 40 x + 1)}{(1 + 10 x) (5 x - 1) (10 x - 1) (50 x^{2} + 10 x + 1)}$$

Sequence: A156276
Score: 9.97996
Type of gen. func.: ogf

$$\frac{(5 x - 1) (50 x^{2} + 10 x + 1)}{(10 x - 1) (1 + 10 x)}$$

Sequence: A156279
Score: 12.5913
Type of gen. func.: ogf

$$\frac{4 (x - 2)}{x^{2} + x - 1}$$

Sequence: A156279
Score: 19.0646
Type of gen. func.: lgdogf

$$- \frac{x^{2} - 4 x - 1}{(x - 2) (x^{2} + x - 1)}$$

Sequence: A156279
Score: 6.90985
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 8, a(1) = 4\}$$

Sequence: A156279
Score: 8.85325
Type of gen. func.: lgdogf

$$-\frac{-x^2 + 4x + 1}{-x^3 + x^2 + 3x - 2}$$

Sequence: A156279
Score: 8.99378
Type of gen. func.: ogf

$$-f(x)\,x^2 - f(x)\,x + f(x) + 4x - 8$$

Sequence: A156283
Score: 6.98833
Type of gen. func.: ogf

$$\frac{x^4 + 3x^3 + 7x^2 + 3x + 1}{(x + 1)(x^2 + x + 1)(x^2 - x + 1)}$$

Sequence: A156297
Score: 5.92560
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{37} - x^{34} + x^{27} - x^{13} + x^6}{-x^{38} - x^{21} - 1}$$

Sequence: A156301
Score: 6.20380
Type of gen. func.: ogf

$$x\,(x^6 + x^3 + 1)(x^{11} + x^9 + x + 1) \Big/ ((x^{18} + x^{17} + x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)$$

$$(x-1)^2)$$

Sequence: A156331
Score: 6.79844
Type of gen. func.: lgdogf

$$-(x^{12}+2x^{11}+8x^{10}-10x^9+18x^8-6x^7-3x^6-4x^5-4x^4+14x^3-6x^2+6x+2) \Big/ ((x-1)(x^2+1)(x^6+x^5+3x^4-x^3+3x^2+x+1)(x^4-x^2+1))$$

Sequence: A156331
Score: 9.77116
Type of gen. func.: ogf

$$-\frac{8(x^6+x^5+3x^4-x^3+3x^2+x+1)}{(x-1)(x^2+1)(x^4-x^2+1)}$$

Sequence: A156341
Score: 10.1160
Type of gen. func.: lgdogf

$$-\frac{-33x^2+22x-9}{-33x^3+47x^2-15x+1}$$

Sequence: A156341
Score: 14.8512
Type of gen. func.: ogf

$$-\frac{2(3x-1)}{(11x-1)(x-1)}$$

Sequence: A156341
Score: 17.5903

Type of gen. func.: revogf

$$-\frac{-1 - 6 x + (25 x^2 + 6 x + 1)^{1/2}}{6 + 11 x}$$

Sequence: A156341
Score: 17.5903
Type of gen. func.: lgdogf

$$-\frac{33 x^2 - 22 x + 9}{(x - 1) (3 x - 1) (11 x - 1)}$$

Sequence: A156341
Score: 7.58702
Type of gen. func.: ogf

$$-(43 f(x) - 5) (11 f(x) x^2 - 12 f(x) x + f(x) + 6 x - 2)$$

Sequence: A156341
Score: 8.21182
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 11 a(n), a(0) = 2, a(1) = 18\}$$

Sequence: A156346
Score: 5.24999
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^4 + 3 x^3 - x^2 + 3 x + 1)}{(x^2 + 1) (x^4 - x^2 + 1)}$$

Sequence: A156359
Score: 11.2699
Type of gen. func.: lgdogf

$$7 (196 x^2 + 56 x + 1)$$

$$-\frac{}{(1 + 14 x) (7 x + 1) (14 x - 1)}$$

Sequence: A156359
Score: 12.0576
Type of gen. func.: ogf

$$-\frac{7 x + 1}{(14 x - 1) (1 + 14 x)}$$

Sequence: A156359
Score: 12.3694
Type of gen. func.: revogf

$$\frac{-1 + (784 x^2 + 28 x + 1)^{1/2}}{14 (1 + 28 x)}$$

Sequence: A156359
Score: 7.00645
Type of gen. func.: lgdogf

$$-\frac{-1372 x^2 - 392 x - 7}{-1372 x^3 - 196 x^2 + 7 x + 1}$$

Sequence: A156359
Score: 7.30251
Type of gen. func.: ogf

$$(20 f(x) - 19) (196 f(x) x^2 - f(x) + 7 x + 1)$$

Sequence: A156359
Score: 7.85571
Type of gen. func.: ogf

$$\{-a(n + 2) + 196 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A156361
Score: 10.6515
Type of gen. func.: revogf

$$-\frac{6 x^2 + x}{-42 x^2 - 12 x - 1}$$

Sequence: A156361
Score: 22.5279
Type of gen. func.: revogf

$$\frac{x (1 + 6 x)}{42 x^2 + 12 x + 1}$$

Sequence: A156361
Score: 7.28077
Type of gen. func.: ogf

$$-42 f(x)^2 x^2 + 6 f(x)^2 x - 12 f(x) x + f(x) - 1$$

Sequence: A156362
Score: 11.3172
Type of gen. func.: revogf

$$-\frac{7 x^2 + x}{-56 x^2 - 14 x - 1}$$

Sequence: A156362
Score: 23.9658
Type of gen. func.: revogf

$$\frac{x (7 x + 1)}{56 x^2 + 14 x + 1}$$

Sequence: A156362
Score: 7.73582
Type of gen. func.: ogf

$$-56 f(x)^2 x^2 + 7 f(x)^2 x - 14 f(x) x + f(x) - 1$$

Sequence: A156376
Score: 15.8667
Type of gen. func.: lgdogf

$$-\frac{11 x + 49}{11 x^2 + 8 x - 19}$$

Sequence: A156376
Score: 17.5546
Type of gen. func.: ogf

$$\frac{11 x + 19}{(x - 1)^2}$$

Sequence: A156376
Score: 20.2375
Type of gen. func.: revogf

$$-\frac{-19 - 2 x + (361 + 120 x)^{1/2}}{2 (-11 + x)}$$

Sequence: A156376
Score: 31.1346
Type of gen. func.: lgdogf

$$-\frac{11 x + 49}{(11 x + 19) (x - 1)}$$

Sequence: A156376
Score: 9.06666
Type of gen. func.: ogf

$$(60 f(x) + 1261) (f(x) x^2 - 2 f(x) x + f(x) - 11 x - 19)$$

Sequence: A156376
Score: 9.82221
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 19, a(1) = 49\}$$

Sequence: A156425
Score: 5.23138
Type of gen. func.: ogf

$$-(f(x) - 1680 x - 1)^3$$

Sequence: A156521
Score: 2.08536
Type of gen. func.: ogf

$$(f(x) - 1)^2 (-3 x^3 + f(x) - 1)$$

Sequence: A156536
Score: 10.6782
Type of gen. func.: ogf

$$- \frac{(x - 1) (7 x^4 + 12 x^3 + 11 x^2 + 12 x + 7)}{(x^2 + 1) (x^4 - x^2 + 1)}$$

Sequence: A156536
Score: 7.71363
Type of gen. func.: lgdogf

$$- (7 x^{10} + 10 x^9 - 3 x^8 + 4 x^7 - 25 x^6 - 42 x^5 - 35 x^4 - 20 x^3 + 3 x^2 - 2 x + 5) \Big/ ((x - 1) (x^2 + 1) (x^4 - x^2 + 1) (7 x^4 + 12 x^3 + 11 x^2 + 12 x + 7))$$

Sequence: A156550
Score: 11.4424
Type of gen. func.: ogf

$$2 f(x) x^2 - f(x) x - f(x) + 5 x + 5$$

Sequence: A156550
Score: 12.0146
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 4 x}{2 x^3 + x^2 - 2 x - 1}$$

Sequence: A156550
Score: 16.0194
Type of gen. func.: ogf

$$-\frac{5 (x + 1)}{(2 x + 1) (x - 1)}$$

Sequence: A156550
Score: 19.0616
Type of gen. func.: revogf

$$\frac{-5 + x + (9 x^2 + 10 x + 25)^{1/2}}{2 (2 x + 5)}$$

Sequence: A156550
Score: 25.4154
Type of gen. func.: lgdogf

$$-\frac{2 x (x + 2)}{(x - 1) (2 x + 1) (x + 1)}$$

Sequence: A156550

Score: 8.89968
Type of gen. func.: ogf

$$\{-a(n + 2) - a(n + 1) + 2 a(n), a(0) = 5, a(1) = 0\}$$

Sequence: A156561
Score: 6.38175
Type of gen. func.: lgdogf

$$-\frac{7 x^{10} - 32 x^{9} + 57 x^{8} - 60 x^{7} + 33 x^{6} - 6 x^{5} + x^{4} - 2 x^{3} + 3 x^{2} - 6 x + 3}{(x - 1) (x^{2} - 3 x + 1) (x^{2} - x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1)}$$

Sequence: A156561
Score: 7.17398
Type of gen. func.: ogf

$$-\frac{x^{3} (x^{2} - x + 1)}{(x - 1) (x^{2} + 1) (x^{2} - 3 x + 1) (x^{4} - x^{2} + 1)}$$

Sequence: A156566
Score: 10.5782
Type of gen. func.: revogf

$$-\frac{8 x^{2} + x}{-72 x^{2} - 16 x - 1}$$

Sequence: A156566
Score: 22.3777
Type of gen. func.: revogf

$$\frac{x (1 + 8 x)}{72 x^{2} + 16 x + 1}$$

Sequence: A156566
Score: 7.23065

Type of gen. func.: ogf

$$-72 f(x)^2 x^2 + 8 f(x)^2 x - 16 f(x) x + f(x) - 1$$

Sequence: A156567
Score: 7.93370
Type of gen. func.: ogf

$$-\frac{(x - 1) (17 x^4 + 40 x^3 + 77 x^2 + 40 x + 17)}{x^6 - 6 x^3 + 1}$$

Sequence: A156568
Score: 11.7778
Type of gen. func.: revogf

$$-\frac{-23 - 6 x + (32 x^2 + 184 x + 529)^{1/2}}{2 (23 + x)}$$

Sequence: A156568
Score: 11.7778
Type of gen. func.: ogf

$$-\frac{23 (x - 1)}{x^2 - 6 x + 1}$$

Sequence: A156568
Score: 5.76619
Type of gen. func.: ogf

$$-(816 f(x) - 4393) (f(x) x^2 - 6 f(x) x + f(x) + 23 x - 23)$$

Sequence: A156568
Score: 6.51241
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + a(n), a(0) = 23, a(1) = 115\}$$

Sequence: A156568
Score: 8.64930
Type of gen. func.: lgdogf

$$-\frac{-x^2 + 2 x - 5}{-x^3 + 7 x^2 - 7 x + 1}$$

Sequence: A156569
Score: 11.7778
Type of gen. func.: revogf

$$-\frac{-37 - 6 x + (32 x^2 + 376 x + 1369)^{1/2}}{2 (17 + x)}$$

Sequence: A156569
Score: 12.0283
Type of gen. func.: ogf

$$-\frac{17 x - 37}{x^2 - 6 x + 1}$$

Sequence: A156569
Score: 13.8389
Type of gen. func.: lgdogf

$$-\frac{17 x^2 - 74 x + 205}{(17 x - 37) (x^2 - 6 x + 1)}$$

Sequence: A156569
Score: 5.88888
Type of gen. func.: ogf

$$-(1156 f(x) - 747) (f(x) x^2 - 6 f(x) x + f(x) + 17 x - 37)$$

Sequence: A156569
Score: 6.65096
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + a(n), a(0) = 37, a(1) = 205\}$$

Sequence: A156569
Score: 7.63962
Type of gen. func.: lgdogf

$$-\frac{-17 x^2 + 74 x - 205}{-17 x^3 + 139 x^2 - 239 x + 37}$$

Sequence: A156570
Score: 12.6840
Type of gen. func.: ogf

$$-\frac{37 x - 17}{x^2 - 6 x + 1}$$

Sequence: A156570
Score: 12.9815
Type of gen. func.: revogf

$$-\frac{-17 - 6 x + (32 x^2 + 56 x + 289)^{1/2}}{2 (37 + x)}$$

Sequence: A156570
Score: 14.9787
Type of gen. func.: lgdogf

$$-\frac{37 x^2 - 34 x + 65}{(37 x - 17) (x^2 - 6 x + 1)}$$

Sequence: A156570
Score: 6.2099
Type of gen. func.: ogf

$$-(356 f(x) - 1827) (f(x) x^{2} - 6 f(x) x + f(x) + 37 x - 17)$$

Sequence: A156570
Score: 7.09702
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + a(n), a(0) = 17, a(1) = 65\}$$

Sequence: A156570
Score: 8.16644
Type of gen. func.: lgdogf

$$- \frac{-37 x^{2} + 34 x - 65}{-37 x^{3} + 239 x^{2} - 139 x + 17}$$

Sequence: A156572
Score: 4.93094
Type of gen. func.: ogf

$$- \frac{289 x^{6} + 240 x^{5} + 840 x^{4} - 6970 x^{3} + 840 x^{2} + 240 x + 289}{(x - 1) (x^{6} - 34 x^{3} + 1)}$$

Sequence: A156573
Score: 4.03979
Type of gen. func.: ogf

$$(161703 f(x) - 959606)$$

$$(f(x) x^{3} - 35 f(x) x^{2} + 35 f(x) x + 529 x^{2} - f(x) - 5290 x + 529)$$

Sequence: A156573
Score: 4.20138

Type of gen. func.: ogf

$\{-a(n + 3) + 35 a(n + 2) - 35 a(n + 1) + a(n), a(0) = 529, a(1) = 13225,$

$a(2) = 444889\}$

Sequence: A156573
Score: 7.50247
Type of gen. func.: ogf

$$-\frac{529 (x^2 - 10 x + 1)}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A156573
Score: 8.43634
Type of gen. func.: lgdogf

$$-\frac{x^4 - 20 x^3 + 318 x^2 - 68 x + 25}{(x - 1) (x^2 - 10 x + 1) (x^2 - 34 x + 1)}$$

Sequence: A156574
Score: 3.77532
Type of gen. func.: ogf

$(926612437446 f(x) + 1730212965743)$

$(f(x) x^3 - 35 f(x) x^2 + 35 f(x) x + 289 x^2 - f(x) - 5890 x + 1369)$

Sequence: A156574
Score: 4.28068
Type of gen. func.: ogf

$\{-a(n + 3) + 35 a(n + 2) - 35 a(n + 1) + a(n), a(0) = 1369, a(1) = 42025,$

$a(2) = 1423249\}$

Sequence: A156574
Score: 6.19872
Type of gen. func.: lgdogf

$$-\frac{289 x^{4} - 11780 x^{3} + 200142 x^{2} - 95252 x + 42025}{(x - 1) (x^{2} - 34 x + 1) (289 x^{2} - 5890 x + 1369)}$$

Sequence: A156574
Score: 7.65699
Type of gen. func.: ogf

$$-\frac{289 x^{2} - 5890 x + 1369}{(x - 1) (x^{2} - 34 x + 1)}$$

Sequence: A156575
Score: 3.59361
Type of gen. func.: ogf

$(8838845046 f(x) - 254124697927)$

$$(f(x) x^{3} - 35 f(x) x^{2} + 35 f(x) x + 1369 x^{2} - f(x) - 5890 x + 289)$$

Sequence: A156575
Score: 4.08629
Type of gen. func.: ogf

$\{-a(n + 3) + 35 a(n + 2) - 35 a(n + 1) + a(n), a(0) = 289, a(1) = 4225,$

$a(2) = 139129\}$

Sequence: A156575
Score: 5.70280
Type of gen. func.: lgdogf

$$-\frac{1369 x^{4} - 11780 x^{3} + 159102 x^{2} - 17492 x + 4225}{(x - 1) (1369 x^{2} - 5890 x + 289) (x^{2} - 34 x + 1)}$$

Sequence: A156575
Score: 7.13662

Type of gen. func.: ogf

$$-\frac{1369 x^2 - 5890 x + 289}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A156577
Score: 10.5782
Type of gen. func.: revogf

$$-\frac{9 x^2 + x}{-90 x^2 - 18 x - 1}$$

Sequence: A156577
Score: 22.3777
Type of gen. func.: revogf

$$\frac{x (9 x + 1)}{90 x^2 + 18 x + 1}$$

Sequence: A156577
Score: 7.23065
Type of gen. func.: ogf

$$-90 f(x)^2 x^2 + 9 f(x)^2 x - 18 f(x) x + f(x) - 1$$

Sequence: A156589
Score: 10.3917
Type of gen. func.: ogf

$$\frac{10 x^2 - 8 x + 1}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A156589
Score: 5.5015
Type of gen. func.: ogf

$$-(7 f(x) - 411) (8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x - 10 x^2 - f(x) + 8 x - 1)$$

Sequence: A156589
Score: 5.74279
Type of gen. func.: ogf

{-a(n + 3) + 7 a(n + 2) - 14 a(n + 1) + 8 a(n), a(0) = -1, a(1) = 1, a(2) = 11}

Sequence: A156589
Score: 9.48741
Type of gen. func.: lgdogf

$$-\frac{80 x^4 - 128 x^3 + 66 x^2 - 8 x - 1}{(x - 1) (4 x - 1) (2 x - 1) (10 x^2 - 8 x + 1)}$$

Sequence: A156591
Score: 12.4687
Type of gen. func.: ogf

$$-\frac{(3 x - 1) (3 x - 2)}{(x + 1) (2 x - 1)}$$

Sequence: A156591
Score: 16.7055
Type of gen. func.: lgdogf

$$\frac{27 x^2 - 26 x + 7}{(3 x - 1) (2 x - 1) (3 x - 2) (x + 1)}$$

Sequence: A156591
Score: 6.47882
Type of gen. func.: ogf

{-a(n + 3) + a(n + 2) + 2 a(n + 1), a(0) = 2, a(1) = -7, a(2) = 6}

Sequence: A156591
Score: 6.67515
Type of gen. func.: ogf

$$-(11 + 19 f(x)) (2 f(x) x^2 + f(x) x + 9 x^2 - f(x) - 9 x + 2)$$

Sequence: A156591
Score: 8.58234
Type of gen. func.: lgdogf

$$-\frac{-27 x^2 + 26 x - 7}{18 x^4 - 9 x^3 - 14 x^2 + 11 x - 2}$$

Sequence: A156605
Score: 10.2268
Type of gen. func.: lgdogf

$$-\frac{-108 x^2 + 56 x - 8}{-108 x^3 + 163 x^2 - 62 x + 7}$$

Sequence: A156605
Score: 16.0072
Type of gen. func.: ogf

$$-\frac{27 x - 7}{(4 x - 1) (x - 1)}$$

Sequence: A156605
Score: 16.4386
Type of gen. func.: revogf

$$-\frac{-7 - 5 x + (9 x^2 - 38 x + 49)^{1/2}}{2 (27 + 4 x)}$$

Sequence: A156605
Score: 17.2214
Type of gen. func.: lgdogf

$$-\frac{4\,(27\,x^2 - 14\,x + 2)}{(x - 1)\,(4\,x - 1)\,(27\,x - 7)}$$

Sequence: A156605
Score: 7.91752
Type of gen. func.: ogf

$$-(49\,f(x) - 599)\,(4\,f(x)\,x^2 - 5\,f(x)\,x + f(x) + 27\,x - 7)$$

Sequence: A156605
Score: 8.97965
Type of gen. func.: ogf

$$\{a(n + 2) - 5\,a(n + 1) + 4\,a(n),\ a(0) = 7,\ a(1) = 8\}$$

Sequence: A156616
Score: 12.3503
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2\,x^2 + 3\,x + 2}{-x^4 + 2\,x^2 - 1}$$

Sequence: A156619
Score: 10.8790
Type of gen. func.: lgdogf

$$-\frac{-7\,x^3 - 29\,x^2 - 46\,x - 18}{-7\,x^4 - 11\,x^3 + 11\,x + 7}$$

Sequence: A156619
Score: 13.5111
Type of gen. func.: ogf

$$\frac{7 x^2 + 11 x + 7}{(x + 1) (x - 1)^2}$$

Sequence: A156619
Score: 16.4346
Type of gen. func.: lgdogf

$$- \frac{7 x^3 + 29 x^2 + 46 x + 18}{(x - 1) (x + 1) (7 x^2 + 11 x + 7)}$$

Sequence: A156619
Score: 7.28423
Type of gen. func.: ogf

$$(17 f(x) - 114) (f(x) x^3 - f(x) x^2 - f(x) x - 7 x^2 + f(x) - 11 x - 7)$$

Sequence: A156619
Score: 7.34812
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 7, a(1) = 18, a(2) = 32\}$$

Sequence: A156626
Score: 5.18023
Type of gen. func.: ogf

$$\{(-n^2 - 2 n - 1) a(n) + (2 n + 4) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 2,$$
$$a(2) = 6\}$$

Sequence: A156627
Score: 13.5328
Type of gen. func.: lgdogf

$$- \frac{70 x + 268}{\quad 2}$$

$$70 x + 29 x - 99$$

Sequence: A156627
Score: 14.3288
Type of gen. func.: ogf

$$\frac{26 (70 x + 99)}{(x - 1)^2}$$

Sequence: A156627
Score: 17.4825
Type of gen. func.: revogf

$$- \frac{-1287 - x + 13 (9801 + 26 x)^{1/2}}{-1820 + x}$$

Sequence: A156627
Score: 24.7167
Type of gen. func.: lgdogf

$$- \frac{2 (134 + 35 x)}{(70 x + 99) (x - 1)}$$

Sequence: A156627
Score: 7.61219
Type of gen. func.: ogf

$$(13 f(x) + 38362) (f(x) x^2 - 2 f(x) x + f(x) - 1820 x - 2574)$$

Sequence: A156627
Score: 8.30422
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 2574, a(1) = 6968\}$$

Sequence: A156634

Score: 10.1261
Type of gen. func.: ogf

$$\frac{2187 x^3 - 9 x - 1}{(18 x - 1) (18 x + 1)}$$

Sequence: A156634
Score: 5.36088
Type of gen. func.: ogf

$$\{-a(n + 4) + 324 a(n + 2), a(0) = 1, a(1) = 9, a(2) = 324, a(3) = 729\}$$

Sequence: A156634
Score: 6.66842
Type of gen. func.: ogf

$$(47 f(x) + 23) (324 f(x) x^2 - 2187 x^3 - f(x) + 9 x + 1)$$

Sequence: A156634
Score: 7.64967
Type of gen. func.: lgdogf

$$\frac{9 (9 x + 1) (8748 x^3 - 972 x^2 + 63 x + 1)}{(18 x - 1) (18 x + 1) (2187 x^3 - 9 x - 1)}$$

Sequence: A156635
Score: 12.6825
Type of gen. func.: ogf

$$- \frac{145 x + 143}{(x - 1)^3}$$

Sequence: A156635
Score: 12.9090
Type of gen. func.: lgdogf

$$290 x + 574$$

```
                                - -------------------
                                          2
                                  145 x  - 2 x - 143
```

Sequence: A156635
Score: 22.1499
Type of gen. func.: lgdogf

```
                                     2 (287 + 145 x)
                              - ---------------------
                                (145 x + 143) (x - 1)
```

Sequence: A156635
Score: 5.51835
Type of gen. func.: ogf

```
(101213162496 f(x) - 19789351378703)

          3            2
    (f(x) x  - 3 f(x) x  + 3 f(x) x - f(x) + 145 x + 143)
```

Sequence: A156635
Score: 6.07482
Type of gen. func.: ogf

```
{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 143, a(1) = 574, a(2) = 1293

    }
```

Sequence: A156636
Score: 13.5328
Type of gen. func.: lgdogf

```
                                      -99 x - 239
                                - ------------------
                                          2
                                  -99 x  + 29 x + 70
```

Sequence: A156636
Score: 14.3288
Type of gen. func.: ogf

```
                                     26 (99 x + 70)
                                     --------------
                                                2
                                        (x - 1)
```

Sequence: A156636
Score: 17.9196
Type of gen. func.: revogf

$$-\frac{-910 - x + 13 (4900 + 26 x)^{1/2}}{-2574 + x}$$

Sequence: A156636
Score: 26.5476
Type of gen. func.: lgdogf

$$-\frac{239 + 99 x}{(99 x + 70) (x - 1)}$$

Sequence: A156636
Score: 7.61219
Type of gen. func.: ogf

$$(13 f(x) + 33461) (f(x) x^2 - 2 f(x) x + f(x) - 2574 x - 1820)$$

Sequence: A156636
Score: 8.30422
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1820, a(1) = 6214\}$$

Sequence: A156638
Score: 11.4645
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 - 6 x^2 - 21 x - 5}{-4 x^4 - x^3 + x + 4}$$

Sequence: A156638

Score: 13.7199
Type of gen. func.: ogf

$$\frac{4 x^{2} + x + 4}{(x + 1) (x - 1)^{2}}$$

Sequence: A156638
Score: 18.2386
Type of gen. func.: lgdogf

$$- \frac{4 x^{3} + 6 x^{2} + 21 x + 5}{(x - 1) (x + 1) (4 x^{2} + x + 4)}$$

Sequence: A156638
Score: 7.09247
Type of gen. func.: ogf

$$-(45 f(x) + 469) (f(x) x^{3} - f(x) x^{2} - f(x) x - 4 x^{2} + f(x) - x - 4)$$

Sequence: A156638
Score: 7.40629
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 4, a(1) = 5, a(2) = 13\}$$

Sequence: A156639
Score: 4.70583
Type of gen. func.: ogf

$$(5500962844 f(x) - 977504783077)$$

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 29 x^{2} - f(x) + 251 x + 58)$$

Sequence: A156639
Score: 5.38380
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 58, a(1) = 425, a(2) = 1130}

Sequence: A156639
Score: 8.47051
Type of gen. func.: lgdogf

$$-\frac{29 x^2 + 560 x + 425}{29 x^3 + 222 x^2 - 193 x - 58}$$

Sequence: A156639
Score: 9.77366
Type of gen. func.: ogf

$$-\frac{29 x^2 + 251 x + 58}{(x - 1)^3}$$

Sequence: A156640
Score: 10.1839
Type of gen. func.: ogf

$$-\frac{58 x^2 + 251 x + 29}{(x - 1)^3}$$

Sequence: A156640
Score: 14.4021
Type of gen. func.: lgdogf

$$-\frac{2 (29 x^2 + 309 x + 169)}{(x - 1) (58 x^2 + 251 x + 29)}$$

Sequence: A156640
Score: 4.76227
Type of gen. func.: ogf

$$(117367316716 f(x) - 18345666293699)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 58 x^2 - f(x) + 251 x + 29)$$

Sequence: A156640
Score: 5.65774
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 29, a(1) = 338, a(2) = 985\}$$

Sequence: A156640
Score: 8.82608
Type of gen. func.: lgdogf

$$-\frac{58 x^2 + 618 x + 338}{58 x^3 + 193 x^2 - 222 x - 29}$$

Sequence: A156641
Score: 11.1821
Type of gen. func.: ogf

$$\frac{13}{(100 x - 1) (x - 1)}$$

Sequence: A156641
Score: 14.3097
Type of gen. func.: lgdogf

$$-\frac{-101 + 200 x}{(100 x - 1) (x - 1)}$$

Sequence: A156641
Score: 4.56902
Type of gen. func.: ogf

$$(10001 f(x) + 2600) (100 f(x) x^2 - 101 f(x) x + f(x) - 13)$$

Sequence: A156641
Score: 4.72133
Type of gen. func.: ogf

$$\{-a(n+2) + 101\, a(n+1) - 100\, a(n),\ a(0) = 13,\ a(1) = 1313\}$$

Sequence: A156641
Score: 7.82981
Type of gen. func.: revogf

$$-\frac{-101\, x - 13 + (81\, x + 13)^{1/2} (121\, x + 13)^{1/2}}{200\, x}$$

Sequence: A156664
Score: 12.3224
Type of gen. func.: ogf

$$\frac{(x-1)^2}{(2\, x - 1)(x^2 + 2\, x - 1)}$$

Sequence: A156664
Score: 16.4013
Type of gen. func.: lgdogf

$$-\frac{2\, (x^3 - 3\, x^2 - x + 1)}{(x-1)(2\, x - 1)(x^2 + 2\, x - 1)}$$

Sequence: A156664
Score: 6.71129
Type of gen. func.: ogf

$$\{-a(n+3) + 4\, a(n+2) - 3\, a(n+1) - 2\, a(n),\ a(0) = 1,\ a(1) = 2,\ a(2) = 6\}$$

Sequence: A156664
Score: 8.44567
Type of gen. func.: ogf

$$2 f(x) x^3 + 3 f(x) x^2 - 4 f(x) x - x^2 + f(x) + 2 x - 1$$

Sequence: A156664
Score: 9.39581
Type of gen. func.: lgdogf

$$-\frac{-2 x^3 + 6 x^2 + 2 x - 2}{-2 x^4 - x^3 + 7 x^2 - 5 x + 1}$$

Sequence: A156674
Score: 10.1712
Type of gen. func.: lgdogf

$$-\frac{10 x^3 + 68 x^2 + 79 x + 39}{10 x^4 + 29 x^3 - 29 x - 10}$$

Sequence: A156674
Score: 12.7141
Type of gen. func.: ogf

$$\frac{(2 x + 5) (5 x + 2)}{(x + 1) (x - 1)^2}$$

Sequence: A156674
Score: 15.3472
Type of gen. func.: lgdogf

$$-\frac{10 x^3 + 68 x^2 + 79 x + 39}{(x - 1) (2 x + 5) (5 x + 2) (x + 1)}$$

Sequence: A156674
Score: 6.83782
Type of gen. func.: ogf

$$(209 f(x) - 1359) (f(x) x^3 - f(x) x^2 - f(x) x - 10 x^2 + f(x) - 29 x - 10)$$

Sequence: A156674
Score: 7.07565
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 10, a(1) = 39, a(2) = 59\}$$

Sequence: A156675
Score: 11.1821
Type of gen. func.: ogf

$$\frac{17}{(100 x - 1) (x - 1)}$$

Sequence: A156675
Score: 14.3097
Type of gen. func.: lgdogf

$$- \frac{-101 + 200 x}{(100 x - 1) (x - 1)}$$

Sequence: A156675
Score: 4.56902
Type of gen. func.: ogf

$$(10001 f(x) + 3400) (100 f(x) x^2 - 101 f(x) x + f(x) - 17)$$

Sequence: A156675
Score: 4.72133
Type of gen. func.: ogf

$$\{-a(n + 2) + 101 a(n + 1) - 100 a(n), a(0) = 17, a(1) = 1717\}$$

Sequence: A156675
Score: 7.82981
Type of gen. func.: revogf

$$-\frac{-101 x - 17 + (81 x + 17)^{1/2} (121 x + 17)^{1/2}}{200 x}$$

Sequence: A156676
Score: 10.1008
Type of gen. func.: lgdogf

$$-\frac{-131 x^2 - 312 x - 43}{-131 x^3 + 106 x^2 + 19 x + 6}$$

Sequence: A156676
Score: 11.6791
Type of gen. func.: ogf

$$-\frac{131 x^2 + 25 x + 6}{(x - 1)^3}$$

Sequence: A156676
Score: 17.4528
Type of gen. func.: lgdogf

$$-\frac{131 x^2 + 312 x + 43}{(x - 1) (131 x^2 + 25 x + 6)}$$

Sequence: A156676
Score: 5.57806
Type of gen. func.: ogf

$(2752234524 f(x) - 137977515739)$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 131 x^2 - f(x) + 25 x + 6)$$

Sequence: A156676

Score: 6.49965
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 6,\ a(1) = 43,\ a(2) = 242\}$$

Sequence: A156677
Score: 11.2705
Type of gen. func.: ogf

$$-\frac{242\,x^{2} - 123\,x + 43}{(x-1)^{3}}$$

Sequence: A156677
Score: 16.2090
Type of gen. func.: lgdogf

$$-\frac{2\,(121\,x^{2} + 119\,x + 3)}{(x-1)\,(242\,x^{2} - 123\,x + 43)}$$

Sequence: A156677
Score: 5.50999
Type of gen. func.: ogf

$$(1179169164\,f(x) - 73982396177)$$

$$(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x + 242\,x^{2} - f(x) - 123\,x + 43)$$

Sequence: A156677
Score: 6.46826
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 43,\ a(1) = 6,\ a(2) = 131\}$$

Sequence: A156677
Score: 9.91800
Type of gen. func.: lgdogf

2

$$-\frac{-242 x - 238 x - 6}{-242 x^3 + 365 x^2 - 166 x + 43}$$

Sequence: A156701
Score: 10.2968
Type of gen. func.: lgdogf

$$-\frac{25 x^4 + 122 x^3 + 186 x^2 + 122 x + 25}{(x - 1) (25 x^4 + 11 x^3 + 51 x^2 + 5 x + 4)}$$

Sequence: A156701
Score: 7.39122
Type of gen. func.: ogf

$$-\frac{25 x^4 + 11 x^3 + 51 x^2 + 5 x + 4}{(x - 1)^5}$$

Sequence: A156702
Score: 7.54081
Type of gen. func.: lgdogf

$$-\frac{x^7 + 253 x^6 + 229 x^5 + 665 x^4 + 295 x^3 + 539 x^2 + 195 x + 127}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 126 x^3 + 34 x^2 + 126 x + 1)}$$

Sequence: A156702
Score: 9.84161
Type of gen. func.: ogf

$$\frac{x^4 + 126 x^3 + 34 x^2 + 126 x + 1}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A156711
Score: 11.0131

Type of gen. func.: ogf

$$-\frac{45 x^2 + 215 x + 28}{(x - 1)^3}$$

Sequence: A156711
Score: 16.3197
Type of gen. func.: lgdogf

$$-\frac{45 x^2 + 520 x + 299}{(x - 1) (45 x^2 + 215 x + 28)}$$

Sequence: A156711
Score: 5.38234
Type of gen. func.: ogf

$$(697476096 f(x) - 94820791933)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 45 x^2 - f(x) + 215 x + 28)$$

Sequence: A156711
Score: 6.11838
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 28, a(1) = 299, a(2) = 858\}$

Sequence: A156711
Score: 9.54468
Type of gen. func.: lgdogf

$$-\frac{45 x^2 + 520 x + 299}{45 x^3 + 170 x^2 - 187 x - 28}$$

Sequence: A156712
Score: 10.3289
Type of gen. func.: ogf

$$-\frac{x^2 - 8x + 1}{(x - 1)(x^2 - 14x + 1)}$$

Sequence: A156712
Score: 5.60966
Type of gen. func.: ogf

$$(627 f(x) + 10)(f(x) x^3 - 15 f(x) x^2 + 15 f(x) x + x^2 - f(x) - 8x + 1)$$

Sequence: A156712
Score: 5.65844
Type of gen. func.: ogf

$$\{-a(n + 3) + 15 a(n + 2) - 15 a(n + 1) + a(n), a(0) = 1, a(1) = 7, a(2) = 91\}$$

Sequence: A156712
Score: 6.13888
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 16x^3 - 108x^2 + 28x - 7}{-x^5 + 23x^4 - 136x^3 + 136x^2 - 23x + 1}$$

Sequence: A156712
Score: 8.35557
Type of gen. func.: lgdogf

$$-\frac{x^4 - 16x^3 + 108x^2 - 28x + 7}{(x - 1)(x^2 - 14x + 1)(x^2 - 8x + 1)}$$

Sequence: A156718
Score: 12.7285
Type of gen. func.: ogf

2

$$\frac{70 x \ + 29 x + 70}{(x + 1) (x - 1)^{2}}$$

Sequence: A156718
Score: 14.5345
Type of gen. func.: lgdogf

$$-\frac{70 x^{3} + 128 x^{2} + 379 x + 99}{(x - 1) (x + 1) (70 x^{2} + 29 x + 70)}$$

Sequence: A156718
Score: 6.36426
Type of gen. func.: ogf

$$-(10291 f(x) + 2307579) (f(x) x^{3} - f(x) x^{2} - f(x) x - 70 x^{2} + f(x) - 29 x - 70)$$

Sequence: A156718
Score: 7.02263
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 70, a(1) = 99, a(2) = 239\}$$

Sequence: A156718
Score: 9.93445
Type of gen. func.: lgdogf

$$-\frac{70 x^{3} + 128 x^{2} + 379 x + 99}{70 x^{4} + 29 x^{3} - 29 x - 70}$$

Sequence: A156719
Score: 10.5433
Type of gen. func.: ogf

$$-\frac{28 x^{2} + 215 x + 45}{{}^{3}}$$

$$(x - 1)$$

Sequence: A156719
Score: 15.6123
Type of gen. func.: lgdogf

$$-\frac{299 x^{2} + 520 x + 45}{(x - 1) (299 x^{2} - 39 x + 28)}$$

Sequence: A156719
Score: 4.96605
Type of gen. func.: ogf

$$(70780013568 f(x) - 10511059614353)$$

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 28 x^{2} - f(x) + 215 x + 45)$$

Sequence: A156719
Score: 5.85740
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 45, a(1) = 350, a(2) = 943\}$$

Sequence: A156719
Score: 9.13755
Type of gen. func.: lgdogf

$$-\frac{28 x^{2} + 486 x + 350}{28 x^{3} + 187 x^{2} - 170 x - 45}$$

Sequence: A156721
Score: 4.26961
Type of gen. func.: ogf

$$(22604257 f(x) - 1357667773651)$$

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 9801 x^{2} - f(x) + 84840 x + 19603)$$

Sequence: A156721
Score: 4.77789
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 19603, a(1) = 143649, a(2) = 381939\}$$

Sequence: A156721
Score: 6.54363
Type of gen. func.: lgdogf

$$-\frac{9801 x^2 + 189282 x + 143649}{9801 x^3 + 75039 x^2 - 65237 x - 19603}$$

Sequence: A156721
Score: 8.36131
Type of gen. func.: ogf

$$-\frac{9801 x^2 + 84840 x + 19603}{(x - 1)^3}$$

Sequence: A156721
Score: 9.99105
Type of gen. func.: lgdogf

$$-\frac{114243 x^2 + 208886 x + 19603}{(x - 1) (114243 x^2 - 9800 x + 9801)}$$

Sequence: A156735
Score: 10.5576
Type of gen. func.: lgdogf

$$-\frac{19603 x^2 + 208886 x + 114243}{{}^{2}}$$

$$(x - 1) (19603 x + 84840 x + 9801)$$

Sequence: A156735
Score: 4.50788
Type of gen. func.: ogf

$$(24802947 f(x) - 1310426110387)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 19603 x^2 - f(x) + 84840 x + 9801)$$

Sequence: A156735
Score: 5.08488
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 9801, a(1) = 114243,$$
$$a(2) = 332929\}$$

Sequence: A156735
Score: 6.83452
Type of gen. func.: lgdogf

$$- \frac{19603 x^2 + 208886 x + 114243}{19603 x^3 + 65237 x^2 - 75039 x - 9801}$$

Sequence: A156735
Score: 8.82792
Type of gen. func.: ogf

$$- \frac{19603 x^2 + 84840 x + 9801}{(x - 1)^3}$$

Sequence: A156752
Score: 13.2172
Type of gen. func.: ogf

$$(2 f(x) + 7) (x^4 + f(x) x - f(x) + x + 1)$$

Sequence: A156752
Score: 13.7680
Type of gen. func.: lgdogf

$$-\frac{3x^4-4x^3-2}{-x^5+x^4-x^2+1}$$

Sequence: A156752
Score: 22.0287
Type of gen. func.: ogf

$$-\frac{x^4+x+1}{x-1}$$

Sequence: A156752
Score: 30.3962
Type of gen. func.: lgdogf

$$\frac{3x^4-4x^3-2}{(x-1)(x^4+x+1)}$$

Sequence: A156752
Score: 5.38746
Type of gen. func.: ogf

$$\{(-3n^2+9n)a(n)+(-n^2-9n+16)a(n+1)+(4n^2-16)a(n+2),$$

$$a(0)=1,\ a(1)=2,\ a(2)=2,\ a(3)=2,\ a(4)=3\}$$

Sequence: A156755
Score: 10.2195
Type of gen. func.: ogf

$$-\frac{3x^8+2x^7+2x^6+2x^5+x^4+x^3+2x^2+x+1}{}$$

2 6 3

$$(x - 1) (x + x + 1) (x + x + 1)$$

Sequence: A156760
Score: 10.3287
Type of gen. func.: lgdogf

$$-\frac{-4 x^2 + 32 x - 19}{-4 x^3 + 21 x^2 - 21 x + 4}$$

Sequence: A156760
Score: 15.6078
Type of gen. func.: ogf

$$-\frac{x - 4}{(4 x - 1) (x - 1)}$$

Sequence: A156760
Score: 16.0381
Type of gen. func.: revogf

$$-\frac{-4 - 5 x + (9 x^2 + 36 x + 16)^{1/2}}{2 (4 x + 1)}$$

Sequence: A156760
Score: 18.6388
Type of gen. func.: lgdogf

$$-\frac{4 x^2 - 32 x + 19}{(x - 1) (4 x - 1) (x - 4)}$$

Sequence: A156760
Score: 7.98125
Type of gen. func.: ogf

$$(63 f(x) + 109) (4 f(x) x^2 - 5 f(x) x + f(x) + x - 4)$$

Sequence: A156760
Score: 8.46204
Type of gen. func.: ogf

$$\{-a(n+2) + 5 a(n+1) - 4 a(n), a(0) = 4, a(1) = 19\}$$

Sequence: A156771
Score: 13.4714
Type of gen. func.: lgdogf

$$-\frac{-59 x - 103}{-59 x^2 + 37 x + 22}$$

Sequence: A156771
Score: 14.8460
Type of gen. func.: ogf

$$\frac{9 (59 x + 22)}{(x - 1)^2}$$

Sequence: A156771
Score: 20.3749
Type of gen. func.: revogf

$$-\frac{-99 - x + 9 (121 + 9 x)^{1/2}}{-531 + x}$$

Sequence: A156771
Score: 26.4119
Type of gen. func.: lgdogf

$$-\frac{103 + 59 x}{(59 x + 22) (x - 1)}$$

Sequence: A156771
Score: 7.82209

Type of gen. func.: ogf

$$(18 f(x) + 7045) (f(x) x^2 - 2 f(x) x + f(x) - 531 x - 198)$$

Sequence: A156771
Score: 8.45878
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 198, a(1) = 927\}$$

Sequence: A156772
Score: 13.6041
Type of gen. func.: lgdogf

$$- \frac{22 x + 140}{22 x^2 + 37 x - 59}$$

Sequence: A156772
Score: 14.9923
Type of gen. func.: ogf

$$\frac{9 (22 x + 59)}{(x - 1)^2}$$

Sequence: A156772
Score: 16.3702
Type of gen. func.: revogf

$$- \frac{-531 - 2 x + 9 (3481 + 36 x)^{1/2}}{2 (-198 + x)}$$

Sequence: A156772
Score: 25.7246
Type of gen. func.: lgdogf

$$- \frac{2 (70 + 11 x)}{(22 x + 59) (x - 1)}$$

Sequence: A156772
Score: 7.98501
Type of gen. func.: ogf

$$(9 f(x) + 5021) (f(x) x^2 - 2 f(x) x + f(x) - 198 x - 531)$$

Sequence: A156772
Score: 8.44393
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 531, a(1) = 1260\}$$

Sequence: A156773
Score: 12.4032
Type of gen. func.: lgdogf

$$-\frac{19601 x^2 + 19280 x + 485}{(x - 1) (19601 x^2 - 9961 x + 3482)}$$

Sequence: A156773
Score: 5.06001
Type of gen. func.: ogf

$$(970596 f(x) - 4932434647) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 19601 x^2 - f(x) - 9961 x + 3482)$$

Sequence: A156773
Score: 5.64546
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3482, a(1) = 485, a(2) = 10610\}$$

Sequence: A156773

Score: 7.67529
Type of gen. func.: lgdogf

$$-\frac{-19601 x^2 - 19280 x - 485}{-19601 x^3 + 29562 x^2 - 13443 x + 3482}$$

Sequence: A156773
Score: 9.62114
Type of gen. func.: ogf

$$-\frac{19601 x^2 - 9961 x + 3482}{(x - 1)^3}$$

Sequence: A156774
Score: 12.2383
Type of gen. func.: lgdogf

$$-\frac{2 (5305 x^2 + 12637 x + 1741)}{(x - 1) (10610 x^2 + 2027 x + 485)}$$

Sequence: A156774
Score: 5.01047
Type of gen. func.: ogf

$$(11326500 f(x) - 45996859489)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 10610 x^2 - f(x) + 2027 x + 485)$$

Sequence: A156774
Score: 5.67300
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 485, a(1) = 3482,

a(2) = 19601}

Sequence: A156774
Score: 7.89003
Type of gen. func.: lgdogf

$$-\frac{-10610 x^2 - 25274 x - 3482}{-10610 x^3 + 8583 x^2 + 1542 x + 485}$$

Sequence: A156774
Score: 9.80619
Type of gen. func.: ogf

$$-\frac{10610 x^2 + 2027 x + 485}{(x - 1)^3}$$

Sequence: A156795
Score: 15.0856
Type of gen. func.: lgdogf

$$-\frac{-59 x - 103}{-59 x^2 + 37 x + 22}$$

Sequence: A156795
Score: 17.3324
Type of gen. func.: ogf

$$\frac{59 x + 22}{(x - 1)^2}$$

Sequence: A156795
Score: 24.2242
Type of gen. func.: revogf

$$-\frac{-11 - x + (121 + 81 x)^{1/2}}{-59 + x}$$

Sequence: A156795
Score: 29.6074
Type of gen. func.: lgdogf

$$-\frac{103 + 59 x}{(59 x + 22) (x - 1)}$$

Sequence: A156795
Score: 8.85463
Type of gen. func.: ogf

$$(162 f(x) + 7045) (f(x) x^2 - 2 f(x) x + f(x) - 59 x - 22)$$

Sequence: A156795
Score: 9.58382
Type of gen. func.: ogf

{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 22, a(1) = 103}

Sequence: A156796
Score: 14.7163
Type of gen. func.: lgdogf

$$-\frac{22 x + 140}{22 x^2 + 37 x - 59}$$

Sequence: A156796
Score: 16.9081
Type of gen. func.: ogf

$$\frac{22 x + 59}{(x - 1)^2}$$

Sequence: A156796
Score: 19.0132
Type of gen. func.: revogf

$$-\frac{-59 - 2 x + (3481 + 324 x)}{2 (-22 + x)}$$

Sequence: A156796
Score: 27.8408
Type of gen. func.: lgdogf

$$-\frac{2 (70 + 11 x)}{(22 x + 59) (x - 1)}$$

Sequence: A156796
Score: 8.73275
Type of gen. func.: ogf

$$(81 f(x) + 5021) (f(x) x^2 - 2 f(x) x + f(x) - 22 x - 59)$$

Sequence: A156796
Score: 9.34918
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 59, a(1) = 140\}$$

Sequence: A156797
Score: 10.0294
Type of gen. func.: lgdogf

$$-\frac{-22 x^3 - 96 x^2 - 147 x - 59}{-22 x^4 - 37 x^3 + 37 x + 22}$$

Sequence: A156797
Score: 12.6935
Type of gen. func.: ogf

$$\frac{22 x^2 + 37 x + 22}{(x + 1) (x - 1)^2}$$

Sequence: A156797
Score: 14.7589
Type of gen. func.: lgdogf

$$-\frac{22 x^3 + 96 x^2 + 147 x + 59}{(x - 1) (x + 1) (22 x^2 + 37 x + 22)}$$

Sequence: A156797
Score: 6.82673
Type of gen. func.: ogf

$$(765 f(x) - 9667) (f(x) x^3 - f(x) x^2 - f(x) x - 22 x^2 + f(x) - 37 x - 22)$$

Sequence: A156797
Score: 7.00329
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 22, a(1) = 59, a(2) = 103\}$$

Sequence: A156798
Score: 12.0135
Type of gen. func.: lgdogf

$$-\frac{5 (x^4 + 2 x^3 + 6 x^2 + 2 x + 1)}{(x - 1) (5 x^4 - 5 x^3 + 15 x^2 - 5 x + 2)}$$

Sequence: A156798
Score: 7.08729
Type of gen. func.: lgdogf

$$-\frac{-5 x^4 - 10 x^3 - 30 x^2 - 10 x - 5}{-5 x^5 + 10 x^4 - 20 x^3 + 20 x^2 - 7 x + 2}$$

Sequence: A156798
Score: 7.30206
Type of gen. func.: ogf

$$-\frac{2\,(5 x^4 - 5 x^3 + 15 x^2 - 5 x + 2)}{(x - 1)^5}$$

Sequence: A156810
Score: 11.4741
Type of gen. func.: ogf

$$-\frac{2\,(273 x^2 - 83 x + 35)}{(x - 1)^3}$$

Sequence: A156810
Score: 17.2807
Type of gen. func.: lgdogf

$$-\frac{273 x^2 + 380 x + 22}{(x - 1)\,(273 x^2 - 83 x + 35)}$$

Sequence: A156810
Score: 5.5683
Type of gen. func.: ogf

$$(1581170625 f(x) - 238261363966)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 546 x^2 - f(x) - 166 x + 70)$$

Sequence: A156810
Score: 6.52836
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 70, a(1) = 44, a(2) = 468\}$

Sequence: A156810

Score: 9.96434
Type of gen. func.: lgdogf

$$-\frac{-273 x^2 - 380 x - 22}{-273 x^3 + 356 x^2 - 118 x + 35}$$

Sequence: A156812
Score: 10.0972
Type of gen. func.: lgdogf

$$-\frac{-234 x^2 - 406 x - 35}{-234 x^3 + 265 x^2 - 53 x + 22}$$

Sequence: A156812
Score: 11.6506
Type of gen. func.: ogf

$$-\frac{2 (234 x^2 - 31 x + 22)}{(x - 1)^3}$$

Sequence: A156812
Score: 17.2807
Type of gen. func.: lgdogf

$$-\frac{234 x^2 + 406 x + 35}{(x - 1) (234 x^2 - 31 x + 22)}$$

Sequence: A156812
Score: 5.52766
Type of gen. func.: ogf

$$-(557533125 f(x) - 79281780274)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 468 x^2 - f(x) - 62 x + 44)$$

Sequence: A156812
Score: 6.52836
Type of gen. func.: ogf

```
 {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 44, a(1) = 70, a(2) = 546}
```

Sequence: A156813
Score: 13.1156
Type of gen. func.: ogf

```
                                    2 (113 x + 112)
                                  - ---------------
                                              3
                                         (x - 1)
```

Sequence: A156813
Score: 13.3498
Type of gen. func.: lgdogf

```
                                      226 x + 449
                                  - ----------------
                                            2
                                    113 x  - x - 112
```

Sequence: A156813
Score: 24.4494
Type of gen. func.: lgdogf

```
                                      226 x + 449
                               - ---------------------
                                 (113 x + 112) (x - 1)
```

Sequence: A156813
Score: 5.79526
Type of gen. func.: ogf

```
(18870013125 f(x) - 5768462321782)

          3           2
    (f(x) x  - 3 f(x) x  + 3 f(x) x - f(x) + 226 x + 224)
```

Sequence: A156813
Score: 6.28225
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 224, a(1) = 898, a(2) = 2022

}

Sequence: A156814
Score: 13.1156
Type of gen. func.: ogf

$$-\frac{2\,(112\,x + 113)}{(x - 1)^3}$$

Sequence: A156814
Score: 13.3498
Type of gen. func.: lgdogf

$$-\frac{224\,x + 451}{112\,x^2 + x - 113}$$

Sequence: A156814
Score: 5.84053
Type of gen. func.: ogf

(5409331875 f(x) - 1657331072998)

$$(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x - f(x) + 224\,x + 226)$$

Sequence: A156814
Score: 6.28225
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 226, a(1) = 902, a(2) = 2028

}

Sequence: A156821
Score: 2.99573
Type of gen. func.: ogf

$$(f(x) x - f(x) + 2)$$

Sequence: A156822
Score: 3.21652
Type of gen. func.: ogf

$$-(f(x) - 4) (f(x) x - f(x) + 2)^2$$

Sequence: A156840
Score: 10.0737
Type of gen. func.: ogf

$$\frac{x^4 + 198 x^3 + 52 x^2 + 198 x + 1}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A156840
Score: 7.60442
Type of gen. func.: lgdogf

$$- \frac{x^7 - 3 x^6 - 595 x^5 - 407 x^4 - 1243 x^3 - 455 x^2 - 647 x - 251}{(x - 1) (x + 1) (x^2 + 1) (x^4 - 2 x^3 - 198 x^2 - 52 x - 199)}$$

Sequence: A156841
Score: 11.1782
Type of gen. func.: ogf

$$- \frac{887 x^2 + 125 x + 46}{(x - 1)^3}$$

Sequence: A156841
Score: 15.7343
Type of gen. func.: lgdogf

$$- \frac{887 x^2 + 2024 x + 263}{}$$

$$(x - 1) (887 x^2 + 125 x + 46)$$

Sequence: A156841
Score: 5.15918
Type of gen. func.: ogf

$$(4836063286588 f(x) - 1581080896928623)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 887 x^2 - f(x) + 125 x + 46)$$

Sequence: A156841
Score: 6.25224
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 46, a(1) = 263, a(2) = 1538}

Sequence: A156841
Score: 9.58135
Type of gen. func.: lgdogf

$$- \frac{-887 x^2 - 2024 x - 263}{-887 x^3 + 762 x^2 + 79 x + 46}$$

Sequence: A156842
Score: 10.7648
Type of gen. func.: ogf

$$- \frac{263 x^2 + 749 x + 46}{(x - 1)^3}$$

Sequence: A156842
Score: 14.5128
Type of gen. func.: lgdogf

$$- \frac{2 (769 x^2 + 795 x + 23)}{2}$$

$$(x - 1) (1538 x - 743 x + 263)$$

Sequence: A156842
Score: 4.93386
Type of gen. func.: ogf

$$(10009029391804 f(x) - 4466980096173919)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 263 x^2 - f(x) + 749 x + 46)$$

Sequence: A156842
Score: 6.02099
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 46, a(1) = 887, a(2) = 2786\}$$

Sequence: A156842
Score: 9.10868
Type of gen. func.: lgdogf

$$- \frac{263 x^2 + 2024 x + 887}{263 x^3 + 486 x^2 - 703 x - 46}$$

Sequence: A156843
Score: 10.0133
Type of gen. func.: lgdogf

$$- \frac{6 (78204 x^2 + 178449 x + 23188)}{(x - 1) (469224 x^2 + 66123 x + 24335)}$$

Sequence: A156843
Score: 4.36807
Type of gen. func.: ogf

$$(179252708 f(x) - 31001519780005)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 469224 x^2 - f(x) + 66123 x + 24335)$$

Sequence: A156843
Score: 5.02674
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 24335, a(1) = 139128,$

$a(2) = 813603\}$

Sequence: A156843
Score: 6.46295
Type of gen. func.: lgdogf

$$- \frac{-469224 x^2 - 1070694 x - 139128}{-469224 x^3 + 403101 x^2 + 41788 x + 24335}$$

Sequence: A156843
Score: 8.55904
Type of gen. func.: ogf

$$- \frac{469224 x^2 + 66123 x + 24335}{(x - 1)^3}$$

Sequence: A156844
Score: 4.07266
Type of gen. func.: ogf

$$(2102294668 f(x) - 496329490087511)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 139128 x^2 - f(x) + 396219 x + 24335)$$

Sequence: A156844
Score: 4.74609
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 24335, a(1) = 469224,$

$a(2) = 1473795\}$

Sequence: A156844
Score: 8.03671
Type of gen. func.: ogf

$$-\frac{139128 x^2 + 396219 x + 24335}{(x - 1)^3}$$

Sequence: A156844
Score: 9.37125
Type of gen. func.: lgdogf

$$-\frac{813603 x^2 + 841108 x + 24335}{(x - 1) (813603 x^2 - 393049 x + 139128)}$$

Sequence: A156845
Score: 12.4926
Type of gen. func.: lgdogf

$$-\frac{-373 x - 685}{-373 x^2 + 217 x + 156}$$

Sequence: A156845
Score: 14.2073
Type of gen. func.: ogf

$$\frac{23 (373 x + 156)}{(x - 1)^2}$$

Sequence: A156845
Score: 17.3375
Type of gen. func.: revogf

$$-\frac{-1794 - x + 23 (6084 + 23 x)^{1/2}}{-8579 + x}$$

Sequence: A156845
Score: 23.6945
Type of gen. func.: lgdogf

$$-\frac{685 + 373 x}{(373 x + 156) (x - 1)}$$

Sequence: A156845
Score: 7.46981
Type of gen. func.: ogf

$$(46 f(x) + 304177) (f(x) x^2 - 2 f(x) x + f(x) - 8579 x - 3588)$$

Sequence: A156845
Score: 8.14126
Type of gen. func.: ogf

{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 3588, a(1) = 15755}

Sequence: A156846
Score: 12.4926
Type of gen. func.: lgdogf

$$-\frac{156 x + 902}{156 x^2 + 217 x - 373}$$

Sequence: A156846
Score: 14.2073
Type of gen. func.: ogf

$$\frac{23 (156 x + 373)}{(x - 1)^2}$$

Sequence: A156846
Score: 14.5069
Type of gen. func.: revogf

$$-\frac{-8579 - 2 x + 23 (139129 + 92 x)^{1/2}}{2 (-3588 + x)}$$

Sequence: A156846
Score: 22.9302
Type of gen. func.: lgdogf

$$-\frac{2 (451 + 78 x)}{(156 x + 373) (x - 1)}$$

Sequence: A156846
Score: 7.46981
Type of gen. func.: ogf

$$(23 f(x) + 209485) (f(x) x^2 - 2 f(x) x + f(x) - 3588 x - 8579)$$

Sequence: A156846
Score: 8.14126
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 8579, a(1) = 20746\}$$

Sequence: A156849
Score: 11.0666
Type of gen. func.: ogf

$$\frac{156 x^2 + 217 x + 156}{(x + 1) (x - 1)^2}$$

Sequence: A156849
Score: 12.1118
Type of gen. func.: lgdogf

$$-\frac{156 x^3 + 590 x^2 + 997 x + 373}{2}$$

$$(x - 1) (x + 1) (156 x + 217 x + 156)$$

Sequence: A156849
Score: 5.83831
Type of gen. func.: ogf

$(24827 f(x) - 7990165)$

$$(f(x) x^3 - f(x) x^2 - f(x) x - 156 x^2 + f(x) - 217 x - 156)$$

Sequence: A156849
Score: 6.28360
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 156, a(1) = 373, a(2) = 685\}$$

Sequence: A156849
Score: 8.42574
Type of gen. func.: lgdogf

$$- \frac{156 x^3 + 590 x^2 + 997 x + 373}{156 x^4 + 217 x^3 - 217 x - 156}$$

Sequence: A156853
Score: 10.1019
Type of gen. func.: ogf

$$- \frac{2 (26 x^2 + 1285 x + 714)}{(x - 1)^3}$$

Sequence: A156853
Score: 14.0304
Type of gen. func.: lgdogf

$$- \frac{1363 x^2 + 3998 x + 714}{(x - 1) (1363 x^2 + 636 x + 26)}$$

Sequence: A156853
Score: 4.70499
Type of gen. func.: ogf

$$(4766226148125 f(x) - 12012555313401566) \left(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 52 x^2 - f(x) + 2570 x + 1428\right)$$

Sequence: A156853
Score: 5.63057
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1428, a(1) = 6854, a(2) = 16330\}$$

Sequence: A156853
Score: 8.69530
Type of gen. func.: lgdogf

$$-\frac{26 x^2 + 2622 x + 3427}{26 x^3 + 1259 x^2 - 571 x - 714}$$

Sequence: A156854
Score: 10.4037
Type of gen. func.: ogf

$$-\frac{2 (714 x^2 + 1285 x + 26)}{(x - 1)^3}$$

Sequence: A156854
Score: 14.1601
Type of gen. func.: lgdogf

```
               2
         3427 x  + 2622 x + 26
- ----------------------------------
                    2
```

$$(x - 1)\,(3427\,x - 2116\,x + 714)$$

Sequence: A156854
Score: 4.81258
Type of gen. func.: ogf

$$(58206284656875\,f(x) - 89846507172469682)$$

$$(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x + 1428\,x^{2} - f(x) + 2570\,x + 52)$$

Sequence: A156854
Score: 5.94496
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 52,\ a(1) = 2726,\ a(2) = 9450\}$$

Sequence: A156854
Score: 8.84312
Type of gen. func.: lgdogf

$$-\frac{714\,x^{2} + 3998\,x + 1363}{714\,x^{3} + 571\,x^{2} - 1259\,x - 26}$$

Sequence: A156855
Score: 12.0176
Type of gen. func.: lgdogf

$$-\frac{2026\,x + 4049}{1013\,x^{2} - x - 1012}$$

Sequence: A156855
Score: 12.2213
Type of gen. func.: ogf

$$-\frac{2\,(1013\,x + 1012)}{(x - 1)^{3}}$$

Sequence: A156855
Score: 20.8073
Type of gen. func.: lgdogf

$$-\frac{2026 x + 4049}{(1013 x + 1012) (x - 1)}$$

Sequence: A156855
Score: 5.15038
Type of gen. func.: ogf

$$(123988715938125 f(x) - 341464777770805882)$$

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x - f(x) + 2026 x + 2024)$$

Sequence: A156855
Score: 5.91028
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2024, a(1) = 8098,$

$a(2) = 18222\}$

Sequence: A156856
Score: 12.0176
Type of gen. func.: lgdogf

$$-\frac{2024 x + 4051}{1012 x^{2} + x - 1013}$$

Sequence: A156856
Score: 12.2213
Type of gen. func.: ogf

$$-\frac{2 (1012 x + 1013)}{(x - 1)^{3}}$$

Sequence: A156856
Score: 20.8073
Type of gen. func.: lgdogf

$$-\frac{2024 x + 4051}{(1012 x + 1013) (x - 1)}$$

Sequence: A156856
Score: 5.15038
Type of gen. func.: ogf

$$(248068773298125 f(x) - 683352035586529186)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 2024 x + 2026)$$

Sequence: A156856
Score: 5.91028
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2026, a(1) = 8102,$

$a(2) = 18228\}$

Sequence: A156857
Score: 10.2648
Type of gen. func.: ogf

$$\frac{2 x + 1}{(4 x^2 + x + 1)^2}$$

Sequence: A156857
Score: 10.2648
Type of gen. func.: lgdogf

$$-\frac{24 x^2 + 18 x}{8 x^3 + 6 x^2 + 3 x + 1}$$

Sequence: A156857
Score: 21.0456
Type of gen. func.: lgdogf

$$-\frac{6 x (3 + 4 x)}{(2 x + 1) (4 x^2 + x + 1)}$$

Sequence: A156857
Score: 4.85816
Type of gen. func.: ogf

$$-(963 f(x) + 1688)$$

$$(16 f(x) x^4 + 8 f(x) x^3 + 9 f(x) x^2 + 2 f(x) x + f(x) - 2 x - 1)$$

Sequence: A156859
Score: 12.8843
Type of gen. func.: lgdogf

$$-\frac{-3 x^2 - 14 x - 7}{-x^3 - 3 x^2 + x + 3}$$

Sequence: A156859
Score: 14.6926
Type of gen. func.: ogf

$$-\frac{x (x + 3)}{(x + 1) (x - 1)^3}$$

Sequence: A156859
Score: 24.2848
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 14 x + 7}{(x - 1) (x + 3) (x + 1)}$$

Sequence: A156859
Score: 4.25117
Type of gen. func.: ogf

$$\{(-9 - 3 n) a(n + 4) + (5 - n) a(n + 3) + (17 + 3 n) a(n + 2) + (n + 3) a(n + 1), a(0) = 0, a(1) = 3, a(2) = 7, a(3) = 14\}$$

Sequence: A156859
Score: 7.28242
Type of gen. func.: ogf

$$(10080 f(x) - 36067) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x + x^2 - f(x) + 3 x)$$

Sequence: A156863
Score: 10.7954
Type of gen. func.: lgdogf

$$- \frac{11 (484 x^2 + 88 x + 1)}{(22 x + 1) (22 x - 1) (11 x + 1)}$$

Sequence: A156863
Score: 11.7835
Type of gen. func.: ogf

$$- \frac{11 x + 1}{(22 x - 1) (22 x + 1)}$$

Sequence: A156863
Score: 12.0806
Type of gen. func.: revogf

$$\frac{-1 + (1936 x^2 + 44 x + 1)^{1/2}}{22 (1 + 44 x)}$$

Sequence: A156863
Score: 6.82203
Type of gen. func.: lgdogf

$$-\frac{-5324 x^2 - 968 x - 11}{-5324 x^3 - 484 x^2 + 11 x + 1}$$

Sequence: A156863
Score: 7.20103
Type of gen. func.: ogf

$$(20 f(x) - 19) (484 f(x) x^2 - f(x) + 11 x + 1)$$

Sequence: A156863
Score: 7.73842
Type of gen. func.: ogf

$$\{-a(n + 2) + 484 a(n), a(0) = 1, a(1) = 11\}$$

Sequence: A156865
Score: 10.4055
Type of gen. func.: lgdogf

$$-\frac{-3401 x - 4699}{-3401 x^2 + 2752 x + 649}$$

Sequence: A156865
Score: 11.7299
Type of gen. func.: ogf

$$\frac{180 (3401 x + 649)}{(x - 1)^2}$$

Sequence: A156865
Score: 13.7485
Type of gen. func.: revogf

$$-\frac{-58410 - x + 90 (421201 + 90 x)^{1/2}}{-612180 + x}$$

Sequence: A156865
Score: 19.1646
Type of gen. func.: lgdogf

$$-\frac{4699 + 3401 x}{(3401 x + 649) (x - 1)}$$

Sequence: A156865
Score: 6.26354
Type of gen. func.: ogf

$$(45 f(x) + 16823701) (f(x) x^2 - 2 f(x) x + f(x) - 612180 x - 116820)$$

Sequence: A156865
Score: 7.01243
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 116820, a(1) = 845820\}$$

Sequence: A156866
Score: 10.6803
Type of gen. func.: lgdogf

$$-\frac{649 x + 7451}{649 x^2 + 2752 x - 3401}$$

Sequence: A156866
Score: 11.8455
Type of gen. func.: ogf

$$\frac{180 (649 x + 3401)}{(x - 1)^2}$$

Sequence: A156866
Score: 13.0365
Type of gen. func.: revogf

$$-\frac{-306090 - x + 90 (11566801 + 90 x)^{1/2}}{-116820 + x}$$

Sequence: A156866
Score: 19.9621
Type of gen. func.: lgdogf

$$-\frac{649 x + 7451}{(649 x + 3401) (x - 1)}$$

Sequence: A156866
Score: 6.32525
Type of gen. func.: ogf

$$(45 f(x) + 27969301) (f(x) x^2 - 2 f(x) x + f(x) - 116820 x - 612180)$$

Sequence: A156866
Score: 7.00538
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 612180, a(1) = 1341180\}$$

Sequence: A156867
Score: 11.4298
Type of gen. func.: lgdogf

$$-\frac{x + 8099}{x^2 + 4048 x - 4049}$$

Sequence: A156867
Score: 12.5288
Type of gen. func.: ogf

$$\frac{180 (x + 4049)}{(x - 1)^2}$$

Sequence: A156867
Score: 13.8867
Type of gen. func.: revogf

$$-\frac{-364410 - x + 90 (16394401 + 90 x)^{1/2}}{-180 + x}$$

Sequence: A156867
Score: 26.6162
Type of gen. func.: lgdogf

$$-\frac{x + 8099}{(x + 4049) (x - 1)}$$

Sequence: A156867
Score: 6.51501
Type of gen. func.: ogf

$$(45 f(x) + 32796901) (f(x) x^2 - 2 f(x) x + f(x) - 180 x - 728820)$$

Sequence: A156867
Score: 7.00538
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 728820, a(1) = 1457820\}$$

Sequence: A156868
Score: 11.4298
Type of gen. func.: lgdogf

$$-\frac{-x + 8101}{-x^2 + 4052 x - 4051}$$

Sequence: A156868
Score: 12.5288
Type of gen. func.: ogf

$$-\frac{180\,(x - 4051)}{(x - 1)^2}$$

Sequence: A156868
Score: 16.8102
Type of gen. func.: revogf

$$-\frac{-90 - x + 90\,(1 + 90\,x)^{1/2}}{-728820 + x}$$

Sequence: A156868
Score: 20.6061
Type of gen. func.: lgdogf

$$-\frac{4051 + 4049\,x}{(4049\,x + 1)\,(x - 1)}$$

Sequence: A156868
Score: 6.51501
Type of gen. func.: ogf

$$(45\,f(x) + 32813101)\,(f(x)\,x^2 - 2\,f(x)\,x + f(x) + 180\,x - 729180)$$

Sequence: A156868
Score: 7.00538
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\,a(n + 1) - a(n),\ a(0) = 729180,\ a(1) = 1458180\}$$

Sequence: A156872
Score: 6.27218
Type of gen. func.: lgdogf

$$-\frac{2\,x^9 + 9\,x^8 - 4\,x^7 + 15\,x^6 + 6\,x^5 - 4\,x^3 - 9\,x^2 + 2\,x - 3}{(x^2 + 1)\,(x^4 + 3\,x^3 - x^2 + 3\,x + 1)\,(x^4 - x^2 + 1)}$$

Sequence: A156872
Score: 7.11785
Type of gen. func.: ogf

$$\frac{x^4 + 3 x^3 - x^2 + 3 x + 1}{(x^2 + 1) (x^4 - x^2 + 1)}$$

Sequence: A156894
Score: 5.30146
Type of gen. func.: ogf

$$-4 f(x)^3 x^2 + 71 f(x)^3 x + 4 f(x)^2 x^2 - 8 f(x)^3 - 71 f(x)^2 x - f(x) x^2 + 8 f(x)^2 + 28 f(x) x - 4 x$$

Sequence: A156906
Score: 4.08784
Type of gen. func.: ogf

$$\{-4 a(n) n - 4 a(n + 1) n + (-n - 3) a(n + 2) + (-n - 3) a(n + 3), a(0) = 1, a(1) = 0, a(2) = 1\}$$

Sequence: A156906
Score: 5.96298
Type of gen. func.: ogf

$$-f(x)^2 x^2 - 2 f(x)^2 x + 2 f(x) x^2 - f(x)^2 + 3 f(x) x + f(x) - x$$

Sequence: A156922
Score: 5.29372
Type of gen. func.: ogf

$$- \frac{(3 x + 1) (2 x - 1)}{(5 x - 1) (3 x - 1)^2 (x - 1)^3}$$

Sequence: A156922
Score: 6.74768
Type of gen. func.: lgdogf

$$-\frac{3\,(120x^4-93x^3-19x^2+29x-5)}{(x-1)(3x-1)(2x-1)(3x+1)(5x-1)}$$

Sequence: A156928
Score: 15.6389
Type of gen. func.: lgdogf

$$-\frac{8x^2+7x-7}{(x-1)(2x-1)(x+1)}$$

Sequence: A156928
Score: 7.89286
Type of gen. func.: ogf

$$-\frac{x+1}{(2x-1)(x-1)^4}$$

Sequence: A156928
Score: 8.75614
Type of gen. func.: lgdogf

$$-\frac{8x^2+7x-7}{2x^3-x^2-2x+1}$$

Sequence: A156934
Score: 12.6019
Type of gen. func.: lgdogf

$$-\frac{4\,(3x^2+3x-2)}{(x-1)(3x-1)(x+1)}$$

Sequence: A156934
Score: 6.99778
Type of gen. func.: ogf

$$-\frac{x + 1}{(3 x - 1) (x - 1)^4}$$

Sequence: A156934
Score: 7.63394
Type of gen. func.: lgdogf

$$-\frac{12 x^2 + 12 x - 8}{3 x^3 - x^2 - 3 x + 1}$$

Sequence: A157002
Score: 10.8429
Type of gen. func.: ogf

$$-f(x)^2 x^2 - f(x)^2 x + f(x) + x - 1$$

Sequence: A157002
Score: 17.2591
Type of gen. func.: revogf

$$1/2 + \frac{x^2}{2} - \frac{(x^4 + 6 x^2 - 4 x + 1)^{1/2}}{2}$$

Sequence: A157002
Score: 9.48751
Type of gen. func.: revogf

$$1/2 + \frac{x^2}{2} - \frac{(x^4 + 6 x^2 - 4 x + 1)^{1/2}}{2}$$

Sequence: A157003
Score: 10.8817
Type of gen. func.: revogf

$$\frac{1}{2 x^{2}} - \frac{(4 x^{4} - 4 x^{3} + 1)^{1/2}}{2 x^{2}}$$

Sequence: A157003
Score: 11.8039
Type of gen. func.: ogf

$$-f(x)^{2} x^{3} + f(x)^{2} x - f(x) + 1$$

Sequence: A157003
Score: 19.5172
Type of gen. func.: revogf

$$- \frac{-1 + (4 x^{4} - 4 x^{3} + 1)^{1/2}}{2 x^{2}}$$

Sequence: A157004
Score: 12.0089
Type of gen. func.: lgdogf

$$- \frac{6 x^{2} - 2}{4 x^{3} - 4 x + 1}$$

Sequence: A157004
Score: 22.6514
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^{2} - 1)}{4 x^{3} - 4 x + 1}$$

Sequence: A157004
Score: 3.78462
Type of gen. func.: ogf

$$\{(-n - 4)\, a(n + 4) + (14 + 4 n)\, a(n + 3) + (-10 - 4 n)\, a(n + 1),\ a(0) = 1,$$
$$a(1) = 2,\ a(2) = 6,\ a(3) = 18\}$$

Sequence: A157004
Score: 9.91209
Type of gen. func.: ogf

$$-4 f(x)^2 x^3 + 4 f(x)^2 x - f(x)^2 + 1$$

Sequence: A157010
Score: 10.5037
Type of gen. func.: ogf

$$-\frac{85 x^2 + 2267 x + 1010}{(x - 1)^3}$$

Sequence: A157010
Score: 14.5968
Type of gen. func.: lgdogf

$$-\frac{85 x^2 + 4704 x + 5297}{(x - 1) (85 x^2 + 2267 x + 1010)}$$

Sequence: A157010
Score: 4.73014
Type of gen. func.: ogf

$$(1581347567026300 f(x) - 3179103121322738717)$$
$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 85 x^2 - f(x) + 2267 x + 1010)$$

Sequence: A157010
Score: 5.85452
Type of gen. func.: ogf

$$\{a(n+3) - 3a(n+2) + 3a(n+1) - a(n),\ a(0) = 1010,\ a(1) = 5297,\ a(2) = 12946\}$$

Sequence: A157010
Score: 8.81793
Type of gen. func.: lgdogf

$$-\frac{85x^2 + 4704x + 5297}{85x^3 + 2182x^2 - 1257x - 1010}$$

Sequence: A157014
Score: 10.2241
Type of gen. func.: lgdogf

$$-\frac{-x^2 + 2x - 21}{-x^3 + 23x^2 - 23x + 1}$$

Sequence: A157014
Score: 14.8917
Type of gen. func.: ogf

$$-\frac{x - 1}{x^2 - 22x + 1}$$

Sequence: A157014
Score: 7.36579
Type of gen. func.: ogf

$$-(460 f(x) - 19) (f(x) x^2 - 22 f(x) x + f(x) + x - 1)$$

Sequence: A157014
Score: 8.15498

Type of gen. func.: ogf

$$\{a(n + 2) - 22 a(n + 1) + a(n), a(0) = 1, a(1) = 21\}$$

Sequence: A157022
Score: 8.90239
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + x + 1) (x^6 - x^5 + x^4 - x^3 + x^2 - x + 1)}{(x^4 + 1) (x^8 - x^4 + 1)}$$

Sequence: A157024
Score: 13.5630
Type of gen. func.: lgdogf

$$- \frac{6 (x + 1) (2 x^2 + 23 x + 2)}{(x - 1) (x^4 + 8 x^3 + 63 x^2 + 8 x + 1)}$$

Sequence: A157024
Score: 5.28657
Type of gen. func.: ogf

$$(1125 f(x) + 25012) (f(x) x^4 - 4 f(x) x^3 - x^4 + 6 f(x) x^2 - 8 x^3 - 4 f(x) x - 63 x^2 + f(x) - 8 x - 1)$$

Sequence: A157024
Score: 7.77733
Type of gen. func.: lgdogf

$$- \frac{-12 x^3 - 150 x^2 - 150 x - 12}{-x^5 - 7 x^4 - 55 x^3 + 55 x^2 + 7 x + 1}$$

Sequence: A157024
Score: 8.68167

Type of gen. func.: ogf

$$\frac{x^4 + 8 x^3 + 63 x^2 + 8 x + 1}{(x - 1)^4}$$

Sequence: A157027
Score: 5.11862
Type of gen. func.: ogf

{-a(n + 4) + 676 a(n + 2), a(0) = 1, a(1) = 13, a(2) = 676, a(3) = 4394}

Sequence: A157027
Score: 6.4137
Type of gen. func.: ogf

$$(52 f(x) + 11) (676 f(x) x^2 - 4394 x^3 - f(x) + 13 x + 1)$$

Sequence: A157027
Score: 6.94996
Type of gen. func.: lgdogf

$$\frac{13 (228488 x^4 - 338 x^2 + 104 x + 1)}{(26 x - 1) (13 x - 1) (26 x + 1) (338 x^2 + 26 x + 1)}$$

Sequence: A157027
Score: 9.67885
Type of gen. func.: ogf

$$\frac{(13 x - 1) (338 x^2 + 26 x + 1)}{(26 x - 1) (26 x + 1)}$$

Sequence: A157040
Score: 12.4969
Type of gen. func.: ogf

$$123 x + 119$$

$$- \frac{}{(x - 1)^{3}}$$

Sequence: A157040
Score: 12.7201
Type of gen. func.: lgdogf

$$- \frac{246 x + 480}{123 x^{2} - 4 x - 119}$$

Sequence: A157040
Score: 23.2740
Type of gen. func.: lgdogf

$$- \frac{6 (80 + 41 x)}{(123 x + 119) (x - 1)}$$

Sequence: A157040
Score: 5.5219
Type of gen. func.: ogf

$$(16759201316 f(x) - 2746819796725)$$
$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x - f(x) + 123 x + 119)$$

Sequence: A157040
Score: 5.98592
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 119, a(1) = 480, a(2) = 1083 \}$$

Sequence: A157052
Score: 13.4527
Type of gen. func.: lgdogf

$$- \frac{3 x^{4} + 12 x^{3} + 26 x^{2} + 20 x + 9}{{}^{4} \quad {}^{3} \quad {}^{2}}$$

$$(x - 1) (x + 2 x + 4 x + 2 x + 1)$$

Sequence: A157052
Score: 4.69590
Type of gen. func.: ogf

$$\{(n^2 + 7 n + 12) a(n + 1) + (42 + 12 n) a(n + 2) + (-n^2 - 7 n - 12) a(n + 3),$$
$$a(0) = 2, a(1) = 18, a(2) = 92\}$$

Sequence: A157052
Score: 7.14773
Type of gen. func.: ogf

$$- \frac{2 (x^4 + 2 x^3 + 4 x^2 + 2 x + 1)}{(x - 1)^7}$$

Sequence: A157052
Score: 8.15853
Type of gen. func.: lgdogf

$$- \frac{-3 x^4 - 12 x^3 - 26 x^2 - 20 x - 9}{-x^5 - x^4 - 2 x^3 + 2 x^2 + x + 1}$$

Sequence: A157053
Score: 4.39890
Type of gen. func.: ogf

$$\{(n^2 + 7 n + 12) a(n + 1) + (56 + 16 n) a(n + 2) + (-n^2 - 7 n - 12) a(n + 3),$$
$$a(0) = 2, a(1) = 24, a(2) = 162\}$$

Sequence: A157053
Score: 5.00664
Type of gen. func.: ogf

$$2 (x^6 + 3 x^5 + 9 x^4 + 9 x^3 + 9 x^2 + 3 x + 1)$$

$$- \frac{}{(x - 1)^{9}}$$

Sequence: A157053
Score: 8.89929
Type of gen. func.: lgdogf

$$- \frac{3 (x^{6} + 6 x^{5} + 20 x^{4} + 30 x^{3} + 30 x^{2} + 14 x + 4)}{(x - 1) (x^{6} + 3 x^{5} + 9 x^{4} + 9 x^{3} + 9 x^{2} + 3 x + 1)}$$

Sequence: A157054
Score: 3.85075
Type of gen. func.: ogf

$$- \frac{2 (x^{8} + 4 x^{7} + 16 x^{6} + 24 x^{5} + 36 x^{4} + 24 x^{3} + 16 x^{2} + 4 x + 1)}{(x - 1)^{11}}$$

Sequence: A157054
Score: 4.36270
Type of gen. func.: ogf

$$\{(n^{2} + 7 n + 12) a(n + 1) + (70 + 20 n) a(n + 2) + (-n^{2} - 7 n - 12) a(n + 3),$$

$$a(0) = 2, a(1) = 30, a(2) = 252\}$$

Sequence: A157054
Score: 6.33815
Type of gen. func.: lgdogf

$$- \frac{3 (x^{8} + 8 x^{7} + 36 x^{6} + 80 x^{5} + 124 x^{4} + 112 x^{3} + 72 x^{2} + 24 x + 5)}{(x - 1) (x^{8} + 4 x^{7} + 16 x^{6} + 24 x^{5} + 36 x^{4} + 24 x^{3} + 16 x^{2} + 4 x + 1)}$$

Sequence: A157055
Score: 4.48224
Type of gen. func.: ogf

$\{(n^2 + 7 n + 12) a(n + 1) + (84 + 24 n) a(n + 2) + (-n^2 - 7 n - 12) a(n + 3),$

$a(0) = 2, a(1) = 36, a(2) = 362\}$

Sequence: A157056
Score: 4.46550
Type of gen. func.: ogf

$\{(n^2 + 7 n + 12) a(n + 1) + (98 + 28 n) a(n + 2) + (-n^2 - 7 n - 12) a(n + 3),$

$a(0) = 2, a(1) = 42, a(2) = 492\}$

Sequence: A157057
Score: 4.38352
Type of gen. func.: ogf

$\{(n^2 + 7 n + 12) a(n + 1) + (112 + 32 n) a(n + 2) + (-n^2 - 7 n - 12) a(n + 3),$

$a(0) = 2, a(1) = 48, a(2) = 642\}$

Sequence: A157058
Score: 4.23471
Type of gen. func.: ogf

$\{(n^2 + 7 n + 12) a(n + 1) + (126 + 36 n) a(n + 2) + (-n^2 - 7 n - 12) a(n + 3),$

$a(0) = 2, a(1) = 54, a(2) = 812\}$

Sequence: A157059
Score: 4.09783
Type of gen. func.: ogf

$\{(n^2 + 7 n + 12) a(n + 1) + (140 + 40 n) a(n + 2) + (-n^2 - 7 n - 12) a(n + 3),$

$a(0) = 2, a(1) = 60, a(2) = 1002\}$

Sequence: A157060
Score: 3.24730
Type of gen. func.: ogf

$\{(n^2 + 7 n + 12) a(n + 1) + (154 + 44 n) a(n + 2) + (-n^2 - 7 n - 12) a(n + 3),$

$a(0) = 2, a(1) = 66, a(2) = 1212\}$

Sequence: A157061
Score: 4.03617
Type of gen. func.: ogf

$\{(n^2 + 7 n + 12) a(n + 1) + (168 + 48 n) a(n + 2) + (-n^2 - 7 n - 12) a(n + 3),$

$a(0) = 2, a(1) = 72, a(2) = 1442\}$

Sequence: A157062
Score: 4.17534
Type of gen. func.: ogf

$\{(n^2 + 7 n + 12) a(n + 1) + (182 + 52 n) a(n + 2) + (-n^2 - 7 n - 12) a(n + 3),$

$a(0) = 2, a(1) = 78, a(2) = 1692\}$

Sequence: A157063
Score: 3.90301
Type of gen. func.: ogf

$\{(n^2 + 7 n + 12) a(n + 1) + (196 + 56 n) a(n + 2) + (-n^2 - 7 n - 12) a(n + 3),$

$a(0) = 2, a(1) = 84, a(2) = 1962\}$

Sequence: A157064
Score: 3.97148
Type of gen. func.: ogf

$\{(n^2 + 7 n + 12) a(n + 1) + (210 + 60 n) a(n + 2) + (-n^2 - 7 n - 12) a(n + 3),$

$a(0) = 2, a(1) = 90, a(2) = 2252\}$

Sequence: A157065
Score: 4.03995
Type of gen. func.: ogf

^{2} ^{2}

```
{(n  + 7 n + 12) a(n + 1) + (224 + 64 n) a(n + 2) + (-n  - 7 n - 12) a(n + 3),

    a(0) = 2, a(1) = 96, a(2) = 2562}



------------------------------------------------------------------------------

Sequence:  A157066
Score: 4.13615
Type of gen. func.: ogf


   2                                                    2
{(n  + 7 n + 12) a(n + 1) + (238 + 68 n) a(n + 2) + (-n  - 7 n - 12) a(n + 3),

    a(0) = 2, a(1) = 102, a(2) = 2892}



------------------------------------------------------------------------------

Sequence:  A157067
Score: 3.83112
Type of gen. func.: ogf


   2                                                    2
{(n  + 7 n + 12) a(n + 1) + (252 + 72 n) a(n + 2) + (-n  - 7 n - 12) a(n + 3),

    a(0) = 2, a(1) = 108, a(2) = 3242}



------------------------------------------------------------------------------

Sequence:  A157068
Score: 3.88131
Type of gen. func.: ogf


   2                                                    2
{(n  + 7 n + 12) a(n + 1) + (266 + 76 n) a(n + 2) + (-n  - 7 n - 12) a(n + 3),

    a(0) = 2, a(1) = 114, a(2) = 3612}



------------------------------------------------------------------------------

Sequence:  A157069
Score: 3.93149
Type of gen. func.: ogf


   2                                                    2
{(n  + 7 n + 12) a(n + 1) + (280 + 80 n) a(n + 2) + (-n  - 7 n - 12) a(n + 3),

    a(0) = 2, a(1) = 120, a(2) = 4002}



------------------------------------------------------------------------------

Sequence:  A157070
Score: 3.99841
Type of gen. func.: ogf


   2                                                    2
{(n  + 7 n + 12) a(n + 1) + (294 + 84 n) a(n + 2) + (-n  - 7 n - 12) a(n + 3),
    a(0) = 2, a(1) = 126, a(2) = 4412}



------------------------------------------------------------------------------

Sequence:  A157071
Score: 4.04860
Type of gen. func.: ogf


   2                                                   2
{(n  + 7 n + 12) a(n + 1) + (308 + 88 n) a(n + 2) + (-n  - 7 n - 12) a(n + 3),

    a(0) = 2, a(1) = 132, a(2) = 4842}



------------------------------------------------------------------------------

Sequence:  A157072
Score: 4.06534
Type of gen. func.: ogf


   2                                                   2
{(n  + 7 n + 12) a(n + 1) + (322 + 92 n) a(n + 2) + (-n  - 7 n - 12) a(n + 3),

    a(0) = 2, a(1) = 138, a(2) = 5292}



------------------------------------------------------------------------------

Sequence:  A157073
Score: 3.74434
Type of gen. func.: ogf


   2                                                   2
{(n  + 7 n + 12) a(n + 1) + (336 + 96 n) a(n + 2) + (-n  - 7 n - 12) a(n + 3),

    a(0) = 2, a(1) = 144, a(2) = 5762}



------------------------------------------------------------------------------

Sequence:  A157074
Score: 3.78851
Type of gen. func.: ogf


   2                                                    2
{(n  + 7 n + 12) a(n + 1) + (350 + 100 n) a(n + 2) + (-n  - 7 n - 12) a(n + 3),

    a(0) = 2, a(1) = 150, a(2) = 6252}



------------------------------------------------------------------------------

Sequence:  A157078
Score: 4.05083
Type of gen. func.: ogf


(153300502125 f(x) - 3833450868551649406)

           3           2                         2
    (f(x) x  - 3 f(x) x  + 3 f(x) x + 23133601 x  - f(x) + 41633998 x + 842401)
```

Sequence: A157078
Score: 4.87941
Type of gen. func.: ogf

```
{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 842401, a(1) = 44161201,

    a(2) = 153090001}
```

Sequence: A157078
Score: 8.05102
Type of gen. func.: ogf

```
                                  2
                        23133601 x  + 41633998 x + 842401
                      - ---------------------------------
                                                   3
                                            (x - 1)
```

Sequence: A157079
Score: 3.87622
Type of gen. func.: ogf

```
(41245648875 f(x) - 16840458017744873442)

           3           2                      2
    (f(x) x  - 3 f(x) x  + 3 f(x) x + 842401 x  - f(x) + 41633998 x + 23133601)
```

Sequence: A157079
Score: 4.53662
Type of gen. func.: ogf

```
{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 23133601, a(1) = 111034801,

    a(2) = 264546001}
```

Sequence: A157079
Score: 7.65555
Type of gen. func.: ogf

```
                                2
                        842401 x  + 41633998 x + 23133601
                      - ---------------------------------
                                                   3
                                            (x - 1)
```

Sequence: A157080
Score: 3.3633
Type of gen. func.: ogf

$$(326554642125 f(x) - 14569163436497304656) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 32821198 x + 32788801)$$

Sequence: A157080
Score: 3.86156
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 32788801, a(1) = 131187601, a(2) = 295196401\}$$

Sequence: A157080
Score: 6.95081
Type of gen. func.: ogf

$$- \frac{x^2 + 32821198 x + 32788801}{(x - 1)^3}$$

Sequence: A157081
Score: 3.95125
Type of gen. func.: ogf

$$(653349854250 f(x) - 29156352687719539313) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 32788798 x + 32821201)$$

Sequence: A157081
Score: 4.53662
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 32821201, a(1) = 131252401, a(2) = 295293601\}$$

Sequence: A157081
Score: 6.31386
Type of gen. func.: lgdogf

$$-\frac{x^2 + 65577598 x + 131252401}{x^3 + 32788797 x^2 + 32403 x - 32821201}$$

Sequence: A157081
Score: 8.16592
Type of gen. func.: ogf

$$-\frac{x^2 + 32788798 x + 32821201}{(x - 1)^3}$$

Sequence: A157084
Score: 4.05442
Type of gen. func.: ogf

{-a(n + 3) + 11 a(n + 2) - 11 a(n + 1) + a(n), a(0) = 0, a(1) = 10, a(2) = 108}

Sequence: A157084
Score: 4.43692
Type of gen. func.: ogf

$$-f(x) (f(x) x^3 - 11 f(x) x^2 + 11 f(x) x - 2 x^2 - f(x) + 10 x)$$

Sequence: A157084
Score: 7.83855
Type of gen. func.: ogf

$$\frac{2 x (x - 5)}{(x - 1) (x^2 - 10 x + 1)}$$

Sequence: A157084

Score: 9.42476
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - 13 x^2 + 55 x - 27)}{(x - 5) (x - 1) (x^2 - 10 x + 1)}$$

Sequence: A157085
Score: 4.74317
Type of gen. func.: ogf

$$(1089 f(x) - 16) (f(x) x^3 - 11 f(x) x^2 + 11 f(x) x + 2 x^2 - f(x) - 8 x + 2)$$

Sequence: A157085
Score: 4.74317
Type of gen. func.: ogf

{-a(n + 3) + 11 a(n + 2) - 11 a(n + 1) + a(n), a(0) = 2, a(1) = 14, a(2) = 134}

Sequence: A157085
Score: 8.80875
Type of gen. func.: ogf

$$-\frac{2 (x^2 - 4 x + 1)}{(x - 1) (x^2 - 10 x + 1)}$$

Sequence: A157085
Score: 9.36879
Type of gen. func.: lgdogf

$$-\frac{x^4 - 8 x^3 + 36 x^2 - 20 x + 7}{(x - 1) (x^2 - 4 x + 1) (x^2 - 10 x + 1)}$$

Sequence: A157088
Score: 3.99158
Type of gen. func.: ogf

{-a(n + 3) + 15 a(n + 2) - 15 a(n + 1) + a(n), a(0) = 0, a(1) = 21, a(2) = 312}

Sequence: A157088
Score: 4.36814
Type of gen. func.: ogf

$$-f(x) (f(x) x^3 - 15 f(x) x^2 + 15 f(x) x - 3 x^2 - f(x) + 21 x)$$

Sequence: A157088
Score: 7.71705
Type of gen. func.: ogf

$$\frac{3 x (x - 7)}{(x - 1) (x^2 - 14 x + 1)}$$

Sequence: A157088
Score: 9.09410
Type of gen. func.: lgdogf

$$- \frac{2 (x^3 - 18 x^2 + 105 x - 52)}{(x - 1) (x - 7) (x^2 - 14 x + 1)}$$

Sequence: A157089
Score: 4.51393
Type of gen. func.: ogf

$$(3901 f(x) - 52) (f(x) x^3 - 15 f(x) x^2 + 15 f(x) x + 3 x^2 - f(x) - 18 x + 3)$$

Sequence: A157089
Score: 4.55250
Type of gen. func.: ogf

{-a(n + 3) + 15 a(n + 2) - 15 a(n + 1) + a(n), a(0) = 3, a(1) = 27, a(2) = 363}

Sequence: A157089
Score: 8.32255
Type of gen. func.: ogf

$$-\frac{3\left(x^{2}-6x+1\right)}{(x-1)\left(x^{2}-14x+1\right)}$$

Sequence: A157092
Score: 12.3176
Type of gen. func.: ogf

$$\frac{4x(x-9)}{(x-1)\left(x^{2}-18x+1\right)}$$

Sequence: A157092
Score: 6.37116
Type of gen. func.: ogf

$\{-a(n+3)+19a(n+2)-19a(n+1)+a(n), a(0)=0, a(1)=36, a(2)=680\}$

Sequence: A157092
Score: 6.97221
Type of gen. func.: ogf

$$-f(x)\left(f(x)x^{3}-19f(x)x^{2}+19f(x)x-4x^{2}-f(x)+36x\right)$$

Sequence: A157092
Score: 8.21171
Type of gen. func.: lgdogf

$$-\frac{2x^{3}-46x^{2}+342x-170}{x^{4}-28x^{3}+190x^{2}-172x+9}$$

Sequence: A157092
Score: 8.38965
Type of gen. func.: lgdogf

$$-\frac{2\,(x^3-23\,x^2+171\,x-85)}{(x-1)\,(x-9)\,(x^2-18\,x+1)}$$

Sequence: A157093
Score: 4.2282
Type of gen. func.: ogf

$$(55241\,f(x)-624)\,(f(x)\,x^3-19\,f(x)\,x^2+19\,f(x)\,x+4\,x^2-f(x)-32\,x+4)$$

Sequence: A157093
Score: 4.33662
Type of gen. func.: ogf

{-a(n + 3) + 19 a(n + 2) - 19 a(n + 1) + a(n), a(0) = 4, a(1) = 44, a(2) = 764}

Sequence: A157093
Score: 7.92788
Type of gen. func.: ogf

$$-\frac{4\,(x^2-8\,x+1)}{(x-1)\,(x^2-18\,x+1)}$$

Sequence: A157093
Score: 8.27156
Type of gen. func.: lgdogf

$$-\frac{x^4-16\,x^3+136\,x^2-36\,x+11}{(x-1)\,(x^2-8\,x+1)\,(x^2-18\,x+1)}$$

Sequence: A157096
Score: 11.6578
Type of gen. func.: ogf

$$\frac{5\,x\,(x-11)}{}$$

$$(x - 1) (x^2 - 22 x + 1)$$

Sequence: A157096
Score: 5.97838
Type of gen. func.: ogf

$$\{-a(n + 3) + 23 a(n + 2) - 23 a(n + 1) + a(n), a(0) = 0, a(1) = 55, a(2) = 1260\}$$

Sequence: A157096
Score: 6.59877
Type of gen. func.: ogf

$$-f(x) (f(x) x^3 - 23 f(x) x^2 + 23 f(x) x - 5 x^2 - f(x) + 55 x)$$

Sequence: A157096
Score: 7.68648
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 56 x^2 + 506 x - 252}{x^4 - 34 x^3 + 276 x^2 - 254 x + 11}$$

Sequence: A157096
Score: 8.80116
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - 28 x^2 + 253 x - 126)}{(x - 11) (x - 1) (x^2 - 22 x + 1)}$$

Sequence: A157097
Score: 4.4316
Type of gen. func.: ogf

$$(177759 f(x) - 1720)$$

$$(f(x) x^3 - 23 f(x) x^2 + 23 f(x) x + 5 x^2 - f(x) - 50 x + 5)$$

Sequence: A157100
Score: 10.4107
Type of gen. func.: ogf

$$f(x)^2 x^2 - f(x)^2 x + f(x) - x - 1$$

Sequence: A157100
Score: 13.9715
Type of gen. func.: revogf

$$- 1/2 + \frac{x^2}{2} + \frac{((x - 1) (x^3 + x^2 - 5 x - 1))^{1/2}}{2}$$

Sequence: A157100
Score: 9.10933
Type of gen. func.: revogf

$$\frac{x^2}{2} - 1/2 + \frac{(x^4 - 6 x^2 + 4 x + 1)^{1/2}}{2}$$

Sequence: A157105
Score: 10.5150
Type of gen. func.: lgdogf

$$- \frac{378 x + 2984}{378 x^2 + 925 x - 1303}$$

Sequence: A157105
Score: 11.6833
Type of gen. func.: ogf

$$\frac{82 (378 x + 1303)}{(x - 1)^2}$$

Sequence: A157105
Score: 13.4353
Type of gen. func.: revogf

$$-\frac{-53423 - x + 41 (1697809 + 82 x)^{1/2}}{-30996 + x}$$

Sequence: A157105
Score: 18.1772
Type of gen. func.: lgdogf

$$-\frac{2 (1492 + 189 x)}{(378 x + 1303) (x - 1)}$$

Sequence: A157105
Score: 6.24653
Type of gen. func.: ogf

$$(41 f(x) + 4523570) (f(x) x^{2} - 2 f(x) x + f(x) - 30996 x - 106846)$$

Sequence: A157105
Score: 6.85761
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 106846, a(1) = 244688\}$$

Sequence: A157106
Score: 3.91162
Type of gen. func.: ogf

$$(235179593937 f(x) - 1589551823289051475)$$

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 285769 x^{2} - f(x) + 7621656 x + 3395619)$$

Sequence: A157106
Score: 4.65246
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3395619, a(1) = 17808513,

a(2) = 43524451}

Sequence: A157106
Score: 7.87340
Type of gen. func.: ogf

$$-\frac{285769 x^2 + 7621656 x + 3395619}{(x - 1)^3}$$

Sequence: A157106
Score: 8.48087
Type of gen. func.: lgdogf

$$-\frac{285769 x^2 + 15814850 x + 17808513}{(x - 1) (285769 x^2 + 7621656 x + 3395619)}$$

Sequence: A157110
Score: 10.7565
Type of gen. func.: ogf

$$-\frac{1010 x^2 + 2267 x + 85}{(x - 1)^3}$$

Sequence: A157110
Score: 14.0726
Type of gen. func.: lgdogf

$$-\frac{2 (505 x^2 + 3277 x + 1261)}{(x - 1) (1010 x^2 + 2267 x + 85)}$$

Sequence: A157110
Score: 4.87626
Type of gen. func.: ogf

$$(948633682125100 f(x) - 1275296520417614467)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 1010 x^2 - f(x) + 2267 x + 85)$$

Sequence: A157110
Score: 6.14655
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 85, a(1) = 2522, a(2) = 8321\}$$

Sequence: A157110
Score: 8.81253
Type of gen. func.: lgdogf

$$-\frac{1010 x^2 + 6554 x + 2522}{1010 x^3 + 1257 x^2 - 2182 x - 85}$$

Sequence: A157111
Score: 10.7891
Type of gen. func.: lgdogf

$$-\frac{-1303 x - 2059}{-1303 x^2 + 925 x + 378}$$

Sequence: A157111
Score: 12.1877
Type of gen. func.: ogf

$$\frac{82 (1303 x + 378)}{(x - 1)^2}$$

Sequence: A157111
Score: 6.51619
Type of gen. func.: ogf

```
                                  2
       (41 f(x) + 2968645) (f(x) x  - 2 f(x) x + f(x) - 106846 x - 30996)



------------------------------------------------------------------------------

Sequence:  A157111
Score: 7.23226
Type of gen. func.: ogf


          {-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 30996, a(1) = 168838}



------------------------------------------------------------------------------

Sequence:  A157112
Score: 4.23845
Type of gen. func.: ogf


(2239392899 f(x) - 10121402580975875)

           3           2                       2
    (f(x) x  - 3 f(x) x  + 3 f(x) x + 3395619 x  - f(x) + 7621656 x + 285769)



------------------------------------------------------------------------------

Sequence:  A157112
Score: 4.98833
Type of gen. func.: ogf


{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 285769, a(1) = 8478963,

    a(2) = 27975201}



------------------------------------------------------------------------------

Sequence:  A157112
Score: 6.11776
Type of gen. func.: lgdogf


                                 2
                        3395619 x  + 22034550 x + 8478963
                 - --------------------------------------------
                            3            2
                   3395619 x  + 4226037 x  - 7335887 x - 285769



------------------------------------------------------------------------------

Sequence:  A157112
Score: 8.31388
Type of gen. func.: ogf


                                  2
                         3395619 x  + 7621656 x + 285769
                       - -------------------------------
                                           3
                                    (x - 1)
```

Sequence: A157116
Score: 11.0180
Type of gen. func.: ogf

$$\frac{(14 x + 27) (27 x + 14)}{(x + 1) (x - 1)^2}$$

Sequence: A157116
Score: 11.4900
Type of gen. func.: lgdogf

$$- \frac{378 x^3 + 2228 x^2 + 2815 x + 1303}{(x - 1) (14 x + 27) (27 x + 14) (x + 1)}$$

Sequence: A157116
Score: 5.55041
Type of gen. func.: ogf

$$-(321089 f(x) + 11079809)$$

$$(f(x) x^3 - f(x) x^2 - f(x) x - 378 x^2 + f(x) - 925 x - 378)$$

Sequence: A157116
Score: 6.15171
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 378, a(1) = 1303, a(2) = 2059\}$$

Sequence: A157116
Score: 8.11214
Type of gen. func.: lgdogf

$$- \frac{-378 x^3 - 2228 x^2 - 2815 x - 1303}{-378 x^4 - 925 x^3 + 925 x + 378}$$

```
------------------------------------------------------------------------------

Sequence:  A157119
Score: 6.43470
Type of gen. func.: ogf


                        5      4       3        2
                 x (48 x  + 7 x  + 48 x  - 204 x  - 21 x - 84)
                 ---------------------------------------------
                                      6      3
                            (x - 1) (x  - 6 x  + 1)



------------------------------------------------------------------------------

Sequence:  A157120
Score: 7.88630
Type of gen. func.: ogf


                               4        3        2
                  (x - 1) (73 x  + 176 x  + 381 x  + 176 x + 73)
                - ----------------------------------------------
                                   6      3
                                  x  - 6 x  + 1



------------------------------------------------------------------------------

Sequence:  A157126
Score: 7.79805
Type of gen. func.: lgdogf


          10      8      7       6      5      4       3      2
         x   - 3 x  + 4 x  + 10 x  - 6 x  + 7 x  + 16 x  - 9 x  - 6 x - 2
       - ----------------------------------------------------------------
                             4    3              6      3
                   (x + 1) (x  - x  + 3 x - 1) (x  + 4 x  + 1)



------------------------------------------------------------------------------

Sequence:  A157126
Score: 9.34882
Type of gen. func.: ogf


                                     4    3
                           (x + 1) (x  - x  + 3 x - 1)
                         - ---------------------------
                                   6      3
                                  x  + 4 x  + 1



------------------------------------------------------------------------------

Sequence:  A157128
Score: 7.65860
Type of gen. func.: ogf


                                5    3    2
                               x  - x  + x  + x - 1
                            - ----------------------
                                     2   2         2
```

$$(x + 1)\ (x - x + 1)$$

Sequence: A157128
Score: 9.65161
Type of gen. func.: lgdogf

$$-\frac{x^7 - 3 x^5 - x^4 + 5 x^3 - 3 x^2 - 2 x - 1}{(x + 1) (x^2 - x + 1) (x^5 - x^3 + x^2 + x - 1)}$$

Sequence: A157142
Score: 11.6013
Type of gen. func.: ogf

$$f(x) x^2 + 2 f(x) x + f(x) + x - 1$$

Sequence: A157142
Score: 16.2418
Type of gen. func.: ogf

$$-\frac{x - 1}{(x + 1)^2}$$

Sequence: A157142
Score: 16.6109
Type of gen. func.: lgdogf

$$-\frac{-x + 3}{-x^2 + 1}$$

Sequence: A157142
Score: 25.2239
Type of gen. func.: revogf

$$-\frac{-1 + 2 x + (1 - 8 x)^{1/2}}{2 (x + 1)}$$

Sequence: A157142
Score: 34.6547
Type of gen. func.: ogf_with_Euler_transform]

$$[-3 + 2 x]$$

Sequence: A157142
Score: 46.2439
Type of gen. func.: lgdogf

$$-\frac{x - 3}{(x - 1) (x + 1)}$$

Sequence: A157142
Score: 8.91316
Type of gen. func.: ogf

$$\{a(n + 2) + 2 a(n + 1) + a(n), a(0) = 1, a(1) = -3\}$$

Sequence: A157144
Score: 4.08191
Type of gen. func.: ogf

$$-\frac{x^{11} + 3 x^{8} + x^{6} + 9 x^{5} - 2 x^{4} + 3 x^{2} + 2 x - 1}{x^{12} + 3 x^{9} + 8 x^{6} + 3 x^{3} + 1}$$

Sequence: A157176
Score: 10.6653
Type of gen. func.: ogf

$$-\frac{8 x^{5} + 5 x^{4} + 3 x^{3} + 2 x^{2} + 2 x + 1}{(2 x^{2} - 1) (4 x^{4} + 2 x^{2} + 1)}$$

Sequence: A157176
Score: 5.91879

Type of gen. func.: lgdogf

$$-(64x^{10}+80x^{9}+72x^{8}+64x^{7}+80x^{6}+48x^{5}+40x^{4}+20x^{3}+9x^{2}+4x+2)\Big/\left((2x^{2}-1)(4x^{4}+2x^{2}+1)(8x^{5}+5x^{4}+3x^{3}+2x^{2}+2x+1)\right)$$

Sequence: A157194
Score: 10.6922
Type of gen. func.: lgdogf

$$-\frac{-2x^{2}-82x-43}{-2x^{3}-43x^{2}-39x+41}$$

Sequence: A157194
Score: 16.0383
Type of gen. func.: ogf

$$-\frac{2x+41}{x^{2}+x-1}$$

Sequence: A157194
Score: 17.6531
Type of gen. func.: revogf

$$\frac{-41-x+(5x^{2}+90x+1681)^{1/2}}{2(x+2)}$$

Sequence: A157194
Score: 20.6794
Type of gen. func.: lgdogf

$$-\frac{2x^{2}+82x+43}{(2x+41)(x^{2}+x-1)}$$

Sequence: A157194
Score: 7.76593
Type of gen. func.: ogf

$$-(125 f(x) - 3276) (f(x) x^2 + f(x) x - f(x) + 2 x + 41)$$

Sequence: A157194
Score: 8.78290
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 41, a(1) = 43\}$$

Sequence: A157213
Score: 7.51167
Type of gen. func.: ogf

$$-\frac{(x - 1) (97 x^4 + 234 x^3 + 511 x^2 + 234 x + 97)}{x^6 - 6 x^3 + 1}$$

Sequence: A157240
Score: 10.2036
Type of gen. func.: ogf

$$-\frac{8 x^2 - 7 x + 2}{(x - 1) (4 x^2 - 2 x + 1)}$$

Sequence: A157240
Score: 10.3099
Type of gen. func.: lgdogf

$$-\frac{32 x^4 - 56 x^3 + 42 x^2 - 8 x - 1}{(x - 1) (4 x^2 - 2 x + 1) (8 x^2 - 7 x + 2)}$$

Sequence: A157240
Score: 5.55732
Type of gen. func.: ogf

$$\{-a(n+3) + 3\,a(n+2) - 6\,a(n+1) + 4\,a(n),\ a(0) = 2,\ a(1) = -1,\ a(2) = -7\}$$

Sequence: A157240
Score: 6.99347
Type of gen. func.: ogf

$$4\,f(x)\,x^{3} - 6\,f(x)\,x^{2} + 3\,f(x)\,x + 8\,x^{2} - f(x) - 7\,x + 2$$

Sequence: A157241
Score: 14.0196
Type of gen. func.: ogf

$$-\frac{x}{(x-1)\,(4\,x^{2} - 2\,x + 1)}$$

Sequence: A157241
Score: 19.1318
Type of gen. func.: lgdogf

$$-\frac{3\,(2\,x-1)^{2}}{(x-1)\,(4\,x^{2} - 2\,x + 1)}$$

Sequence: A157241
Score: 5.17841
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 6\,a(n+1) - 4\,a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 3\}$$

Sequence: A157241
Score: 5.80608
Type of gen. func.: ogf

$$(3\,f(x) + 1)\,(4\,f(x)\,x^{3} - 6\,f(x)\,x^{2} + 3\,f(x)\,x - f(x) + x)$$

Sequence: A157241
Score: 8.70914
Type of gen. func.: lgdogf

$$-\frac{12x^2-12x+3}{4x^3-6x^2+3x-1}$$

Sequence: A157246
Score: 4.26007
Type of gen. func.: ogf

$$-(x-1)(245x^{12}+510x^{11}+797x^{10}+1140x^9+1567x^8+2060x^7+2697x^6+2060x^5+1567x^4+1140x^3+797x^2+510x+245)\Big/(x^{14}-6x^7+1)$$

Sequence: A157257
Score: 8.17053
Type of gen. func.: ogf

$$-\frac{(x-1)(29x^4+70x^3+155x^2+70x+29)}{x^6-6x^3+1}$$

Sequence: A157262
Score: 10.1207
Type of gen. func.: lgdogf

$$-\frac{21x^2+140x+55}{21x^3+28x^2-47x-2}$$

Sequence: A157262
Score: 11.4059
Type of gen. func.: ogf

$$-\frac{21 x^2 + 49 x + 2}{(x - 1)^3}$$

Sequence: A157262
Score: 17.6032
Type of gen. func.: lgdogf

$$-\frac{21 x^2 + 140 x + 55}{(x - 1) (21 x^2 + 49 x + 2)}$$

Sequence: A157262
Score: 5.65805
Type of gen. func.: ogf

$(5769792 f(x) - 167558959)$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 21 x^2 - f(x) + 49 x + 2)$$

Sequence: A157262
Score: 6.24846
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2, a(1) = 55, a(2) = 180\}$$

Sequence: A157263
Score: 13.8189
Type of gen. func.: lgdogf

$$-\frac{-55 x - 89}{-55 x^2 + 38 x + 17}$$

Sequence: A157263
Score: 14.6480
Type of gen. func.: ogf

$$\frac{24 (55 x + 17)}{}$$

$$(x - 1)^2$$

Sequence: A157263
Score: 18.4149
Type of gen. func.: revogf

$$- \frac{-204 - x + 12 (289 + 12 x)^{1/2}}{-1320 + x}$$

Sequence: A157263
Score: 27.6223
Type of gen. func.: lgdogf

$$- \frac{89 + 55 x}{(55 x + 17) (x - 1)}$$

Sequence: A157263
Score: 7.87529
Type of gen. func.: ogf

$$(6 f(x) + 5473) (f(x) x^2 - 2 f(x) x + f(x) - 1320 x - 408)$$

Sequence: A157263
Score: 8.41841
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 408, a(1) = 2136\}$$

Sequence: A157264
Score: 11.5844
Type of gen. func.: lgdogf

$$- \frac{6049 x^2 + 40318 x + 15841}{(x - 1) (6049 x^2 + 14110 x + 577)}$$

Sequence: A157264
Score: 4.69549
Type of gen. func.: ogf

$$(3739632 f(x) - 31274927789)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 6049 x^2 - f(x) + 14110 x + 577)$$

Sequence: A157264
Score: 5.23433
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 577, a(1) = 15841, a(2) = 51841\}$$

Sequence: A157264
Score: 7.34009
Type of gen. func.: lgdogf

$$-\frac{6049 x^2 + 40318 x + 15841}{6049 x^3 + 8061 x^2 - 13533 x - 577}$$

Sequence: A157264
Score: 9.12269
Type of gen. func.: ogf

$$-\frac{6049 x^2 + 14110 x + 577}{(x - 1)^3}$$

Sequence: A157265
Score: 10.7078
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 102 x + 112}{2 x^3 + 47 x^2 - 28 x - 21}$$

Sequence: A157265
Score: 12.0676
Type of gen. func.: ogf

$$-\frac{2 x^{2} + 49 x + 21}{(x - 1)^{3}}$$

Sequence: A157265
Score: 19.6238
Type of gen. func.: lgdogf

$$-\frac{2 (x^{2} + 51 x + 56)}{(x - 1) (2 x^{2} + 49 x + 21)}$$

Sequence: A157265
Score: 5.80348
Type of gen. func.: ogf

$$(329593536 f(x) - 14091245011)$$

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 2 x^{2} - f(x) + 49 x + 21)$$

Sequence: A157265
Score: 6.49791
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 21, a(1) = 112, a(2) = 275\}$$

Sequence: A157266
Score: 13.1259
Type of gen. func.: lgdogf

$$-\frac{17 x + 127}{17 x^{2} + 38 x - 55}$$

Sequence: A157266
Score: 14.1760
Type of gen. func.: ogf

$$\frac{24\,(17\,x + 55)}{(x - 1)^2}$$

Sequence: A157266
Score: 17.8126
Type of gen. func.: revogf

$$-\frac{-660 - x + 12\,(3025 + 12\,x)^{1/2}}{-408 + x}$$

Sequence: A157266
Score: 25.7294
Type of gen. func.: lgdogf

$$-\frac{17\,x + 127}{(17\,x + 55)\,(x - 1)}$$

Sequence: A157266
Score: 7.62149
Type of gen. func.: ogf

$$(6\,f(x) + 8209)\,(f(x)\,x^2 - 2\,f(x)\,x + f(x) - 408\,x - 1320)$$

Sequence: A157266
Score: 8.05452
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\,a(n + 1) - a(n),\ a(0) = 1320,\ a(1) = 3048\}$$

Sequence: A157267
Score: 11.8644
Type of gen. func.: lgdogf

$$577\,x^2 + 29374\,x + 32257$$

```
                      - ----------------------------------
                                      2
                        (x - 1) (577 x  + 14110 x + 6049)



------------------------------------------------------------------------------

Sequence:  A157267
Score: 4.71945
Type of gen. func.: ogf


(6103536 f(x) - 75146538259)

           3           2                   2
    (f(x) x  - 3 f(x) x  + 3 f(x) x + 577 x  - f(x) + 14110 x + 6049)



------------------------------------------------------------------------------

Sequence:  A157267
Score: 5.21826
Type of gen. func.: ogf


{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 6049, a(1) = 32257,

    a(2) = 79201}



------------------------------------------------------------------------------

Sequence:  A157267
Score: 7.46333
Type of gen. func.: lgdogf


                                 2
                            577 x  + 29374 x + 32257
                      - ----------------------------------
                             3          2
                        577 x  + 13533 x  - 8061 x - 6049



------------------------------------------------------------------------------

Sequence:  A157267
Score: 9.16923
Type of gen. func.: ogf


                                  2
                             577 x  + 14110 x + 6049
                           - ------------------------
                                           3
                                    (x - 1)



------------------------------------------------------------------------------

Sequence:  A157286
Score: 13.8228
Type of gen. func.: ogf


                                    37 x + 35
```

```
- ---------
          3
  (x - 1)
```

Sequence: A157286
Score: 14.3445
Type of gen. func.: lgdogf

```
     74 x + 142
- ----------------
      2
  37 x  - 2 x - 35
```

Sequence: A157286
Score: 26.6324
Type of gen. func.: lgdogf

```
     2 (71 + 37 x)
- -------------------
  (37 x + 35) (x - 1)
```

Sequence: A157286
Score: 6.18094
Type of gen. func.: ogf

```
(392299200 f(x) - 19076749667)

           3           2
    (f(x) x  - 3 f(x) x  + 3 f(x) x - f(x) + 37 x + 35)
```

Sequence: A157286
Score: 6.49791
Type of gen. func.: ogf

```
 {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 35, a(1) = 142, a(2) = 321}
```

Sequence: A157287
Score: 13.6986
Type of gen. func.: lgdogf

```
     x + 143
- --------------
   2
  x  + 70 x - 71
```

Sequence: A157287
Score: 14.5372
Type of gen. func.: ogf

$$\frac{24 (x + 71)}{(x - 1)^2}$$

Sequence: A157287
Score: 7.65941
Type of gen. func.: ogf

$$(6 f(x) + 10225) (f(x) x^2 - 2 f(x) x + f(x) - 24 x - 1704)$$

Sequence: A157287
Score: 8.09460
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1704, a(1) = 3432\}$$

Sequence: A157288
Score: 13.8115
Type of gen. func.: lgdogf

$$- \frac{x^2 + 21310 x + 40897}{(x - 1) (x^2 + 10654 x + 10081)}$$

Sequence: A157288
Score: 4.76736
Type of gen. func.: ogf

$$(7264752 f(x) - 101733498275)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 10654 x + 10081)$$

Sequence: A157288
Score: 5.22873

Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 10081, a(1) = 40897,

a(2) = 92449}

Sequence: A157288
Score: 7.90685
Type of gen. func.: lgdogf

$$-\frac{x^2 + 21310 x + 40897}{x^3 + 10653 x^2 - 573 x - 10081}$$

Sequence: A157288
Score: 9.39655
Type of gen. func.: ogf

$$-\frac{x^2 + 10654 x + 10081}{(x - 1)^3}$$

Sequence: A157297
Score: 7.60358
Type of gen. func.: ogf

$$-\frac{(x - 1) (185 x^4 + 418 x^3 + 735 x^2 + 418 x + 185)}{x^6 - 6 x^3 + 1}$$

Sequence: A157319
Score: 11.2461
Type of gen. func.: ogf

$$-\frac{x (x^6 - x^5 + x^4 - x^3 + 2 x^2 - 3)}{(x - 1)^2}$$

Sequence: A157319
Score: 13.0160
Type of gen. func.: lgdogf

$$\frac{4 x^6 - 9 x^5 + 7 x^4 - 5 x^3 + 3 x^2 - 4 x + 6}{(x - 1) (x^6 - x^5 + x^4 - x^3 + 2 x^2 - 3)}$$

Sequence: A157324
Score: 13.8228
Type of gen. func.: ogf

$$- \frac{35 x + 37}{(x - 1)^3}$$

Sequence: A157324
Score: 14.3445
Type of gen. func.: lgdogf

$$- \frac{70 x + 146}{35 x^2 + 2 x - 37}$$

Sequence: A157324
Score: 26.6324
Type of gen. func.: lgdogf

$$- \frac{2 (73 + 35 x)}{(35 x + 37) (x - 1)}$$

Sequence: A157324
Score: 6.2831
Type of gen. func.: ogf

$$(57215808 f(x) - 2821721971)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 35 x + 37)$$

Sequence: A157324

Score: 6.49791
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 37, a(1) = 146, a(2) = 327\}$$

Sequence: A157325
Score: 13.6986
Type of gen. func.: lgdogf

$$- \frac{-x + 145}{-x^2 + 74 x - 73}$$

Sequence: A157325
Score: 14.5372
Type of gen. func.: ogf

$$- \frac{24 (x - 73)}{(x - 1)^2}$$

Sequence: A157325
Score: 18.8708
Type of gen. func.: revogf

$$- \frac{-876 - x + 12 (5329 + 12 x)^{1/2}}{24 + x}$$

Sequence: A157325
Score: 31.7372
Type of gen. func.: lgdogf

$$- \frac{-145 + x}{(x - 1) (x - 73)}$$

Sequence: A157325
Score: 7.65941
Type of gen. func.: ogf

2

$$(6 f(x) + 10513) (f(x) x - 2 f(x) x + f(x) + 24 x - 1752)$$

Sequence: A157325
Score: 8.09460
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1752, a(1) = 3480\}$$

Sequence: A157326
Score: 13.8115
Type of gen. func.: lgdogf

$$-\frac{x^2 + 20158 x + 42049}{(x - 1) (x^2 + 10078 x + 10657)}$$

Sequence: A157326
Score: 4.76736
Type of gen. func.: ogf

$$(7416816 f(x) - 105334788517)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 10078 x + 10657)$$

Sequence: A157326
Score: 5.22873
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 10657, a(1) = 42049,$$

$$a(2) = 94177\}$$

Sequence: A157326
Score: 7.90685
Type of gen. func.: lgdogf

$$-\frac{x^2 + 20158 x + 42049}{x^3 + 10077 x^2 + 579 x - 10657}$$

Sequence: A157326
Score: 9.39655
Type of gen. func.: ogf

$$-\frac{x^2 + 10078 x + 10657}{(x - 1)^3}$$

Sequence: A157327
Score: 4.64118
Type of gen. func.: ogf

$$-\frac{(x + 1) (12 x^2 + 2 x + 1) (36 x^4 + 12 x^3 - 9 x^2 + 3 x - 2)}{(9 x^2 + 1)^2 (4 x^2 + 1)^2}$$

Sequence: A157328
Score: 3.35656
Type of gen. func.: ogf

$\{(32 n + 48) a(n + 1) + (14 n + 18) a(n + 2) + (-n - 3) a(n + 3), a(0) = 1,$

$a(1) = 2, a(2) = 12\}$

Sequence: A157328
Score: 7.22593
Type of gen. func.: lgdogf

$$-\frac{16 x - 1 + 3 (-16 x + 1)^{1/2}}{32 x^2 + 14 x - 1}$$

Sequence: A157328
Score: 9.4594
Type of gen. func.: ogf

$$-2 f(x)^2 x - f(x)^2 + 3 f(x) - 2$$

Sequence: A157330
Score: 16.4696
Type of gen. func.: lgdogf

$$-\frac{x + 15}{x^{2} + 6 x - 7}$$

Sequence: A157330
Score: 17.5437
Type of gen. func.: ogf

$$\frac{8 (x + 7)}{(x - 1)^{2}}$$

Sequence: A157330
Score: 24.7433
Type of gen. func.: revogf

$$-\frac{-28 - x + 4 (49 + 4 x)^{1/2}}{-8 + x}$$

Sequence: A157330
Score: 41.6729
Type of gen. func.: lgdogf

$$-\frac{x + 15}{(x + 7) (x - 1)}$$

Sequence: A157330
Score: 9.1706
Type of gen. func.: ogf

$$(2 f(x) + 113) (f(x) x^{2} - 2 f(x) x + f(x) - 8 x - 56)$$

Sequence: A157330
Score: 9.49426

Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 56, a(1) = 120\}$$

Sequence: A157331
Score: 11.1301
Type of gen. func.: ogf

$$-\frac{x^2 + 158 x + 97}{(x - 1)^3}$$

Sequence: A157331
Score: 18.8708
Type of gen. func.: lgdogf

$$-\frac{x^2 + 318 x + 449}{(x - 1) (x^2 + 158 x + 97)}$$

Sequence: A157331
Score: 5.74456
Type of gen. func.: ogf

$$(27472 f(x) - 4498569)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 158 x + 97)$$

Sequence: A157331
Score: 6.03665
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 97, a(1) = 449, a(2) = 1057\}$$

Sequence: A157331
Score: 9.89340
Type of gen. func.: lgdogf

$$x^2 + 318 x + 449$$

$$-\frac{}{x^3 + 157 x^2 - 61 x - 97}$$

Sequence: A157335
Score: 10.7949
Type of gen. func.: lgdogf

$$-\frac{-3 x^2 + 12 x + 6}{-x^3 + 6 x^2 + 6 x - 1}$$

Sequence: A157335
Score: 16.8850
Type of gen. func.: lgdogf

$$-\frac{3 (x^2 - 4 x - 2)}{(x + 1) (x^2 - 7 x + 1)}$$

Sequence: A157335
Score: 18.9639
Type of gen. func.: ogf

$$\frac{1}{(x + 1) (x^2 - 7 x + 1)}$$

Sequence: A157335
Score: 6.20943
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) - 6 a(n + 1) + a(n), a(0) = 1, a(1) = 6, a(2) = 42\}$$

Sequence: A157335
Score: 6.94719
Type of gen. func.: ogf

$$(562 f(x) + 5) (f(x) x^3 - 6 f(x) x^2 - 6 f(x) x + f(x) - 1)$$

Sequence: A157336
Score: 16.6163
Type of gen. func.: lgdogf

$$-\frac{-x+17}{-x^2+10x-9}$$

Sequence: A157336
Score: 18.0612
Type of gen. func.: ogf

$$-\frac{8(x-9)}{(x-1)^2}$$

Sequence: A157336
Score: 9.44108
Type of gen. func.: ogf

$$(2 f(x) + 145) (f(x) x^2 - 2 f(x) x + f(x) + 8 x - 72)$$

Sequence: A157336
Score: 9.77429
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 72, a(1) = 136\}$$

Sequence: A157337
Score: 11.2403
Type of gen. func.: ogf

$$-\frac{x^2+94x+161}{(x-1)^3}$$

Sequence: A157337

Score: 19.0614
Type of gen. func.: lgdogf

$$-\frac{x^2 + 190 x + 577}{(x - 1) (x^2 + 94 x + 161)}$$

Sequence: A157337
Score: 5.80143
Type of gen. func.: ogf

$$(33104 f(x) - 6152335)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 94 x + 161)$$

Sequence: A157337
Score: 6.04518
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 161, a(1) = 577, a(2) = 1249

}

Sequence: A157337
Score: 9.99135
Type of gen. func.: lgdogf

$$-\frac{x^2 + 190 x + 577}{x^3 + 93 x^2 + 67 x - 161}$$

Sequence: A157348
Score: 7.23768
Type of gen. func.: ogf

$$-\frac{(x - 1) (229 x^4 + 510 x^3 + 875 x^2 + 510 x + 229)}{x^6 - 6 x^3 + 1}$$

Sequence: A157362
Score: 13.5245
Type of gen. func.: ogf

$$-\frac{51 x + 47}{(x - 1)^3}$$

Sequence: A157362
Score: 13.7750
Type of gen. func.: lgdogf

$$-\frac{102 x + 192}{51 x^2 - 4 x - 47}$$

Sequence: A157362
Score: 26.0502
Type of gen. func.: lgdogf

$$-\frac{6 (32 + 17 x)}{(51 x + 47) (x - 1)}$$

Sequence: A157362
Score: 6.04755
Type of gen. func.: ogf

$$(446634020 f(x) - 29468127613)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 51 x + 47)$$

Sequence: A157362
Score: 6.35769
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 47, a(1) = 192, a(2) = 435\}$$

Sequence: A157363
Score: 14.3341
Type of gen. func.: lgdogf

$$-\frac{x + 97}{x^2 + 47 x - 48}$$

Sequence: A157363
Score: 15.2300
Type of gen. func.: ogf

$$\frac{14 (x + 48)}{(x - 1)^2}$$

Sequence: A157363
Score: 19.3704
Type of gen. func.: revogf

$$-\frac{-336 - x + 7 (2304 + 14 x)^{1/2}}{-14 + x}$$

Sequence: A157363
Score: 35.8352
Type of gen. func.: lgdogf

$$-\frac{x + 97}{(x + 48) (x - 1)}$$

Sequence: A157363
Score: 8.03338
Type of gen. func.: ogf

$$(7 f(x) + 4705) (f(x) x^2 - 2 f(x) x + f(x) - 14 x - 672)$$

Sequence: A157363
Score: 8.40274
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 672, a(1) = 1358\}$$

Sequence: A157364
Score: 15.0229
Type of gen. func.: lgdogf

$$-\frac{x^2 + 9994 x + 18817}{(x - 1) (x^2 + 4996 x + 4607)}$$

Sequence: A157364
Score: 4.95615
Type of gen. func.: ogf

$$(6836137 f(x) - 44193595583)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 4996 x + 4607)$$

Sequence: A157364
Score: 5.35909
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 4607, a(1) = 18817,

a(2) = 42631}

Sequence: A157364
Score: 8.34390
Type of gen. func.: lgdogf

$$-\frac{x^2 + 9994 x + 18817}{x^3 + 4995 x^2 - 389 x - 4607}$$

Sequence: A157364
Score: 9.83833
Type of gen. func.: ogf

$$-\frac{x^2 + 4996 x + 4607}{(x - 1)^3}$$

Sequence: A157365
Score: 13.5245
Type of gen. func.: ogf

$$-\frac{47 x + 51}{(x - 1)^3}$$

Sequence: A157365
Score: 14.0349
Type of gen. func.: lgdogf

$$-\frac{94 x + 200}{47 x^2 + 4 x - 51}$$

Sequence: A157365
Score: 25.1519
Type of gen. func.: lgdogf

$$-\frac{2 (100 + 47 x)}{(47 x + 51) (x - 1)}$$

Sequence: A157365
Score: 5.99878
Type of gen. func.: ogf

$$(1381314508 f(x) - 93040742715)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 47 x + 51)$$

Sequence: A157365
Score: 6.35769
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 51, a(1) = 200, a(2) = 447\}$$

Sequence: A157366
Score: 14.3341

Type of gen. func.: lgdogf

$$-\frac{-x+99}{-x^2+51x-50}$$

Sequence: A157366
Score: 15.2300
Type of gen. func.: ogf

$$-\frac{14(x-50)}{(x-1)^2}$$

Sequence: A157366
Score: 19.9084
Type of gen. func.: revogf

$$-\frac{-350-x+7(2500+14x)^{1/2}}{14+x}$$

Sequence: A157366
Score: 34.1288
Type of gen. func.: lgdogf

$$-\frac{-99+x}{(x-1)(x-50)}$$

Sequence: A157366
Score: 8.03338
Type of gen. func.: ogf

$$(7f(x)+4901)(f(x)x^2-2f(x)x+f(x)+14x-700)$$

Sequence: A157366
Score: 8.40274
Type of gen. func.: ogf

$$\{-a(n+2)+2a(n+1)-a(n), a(0)=700, a(1)=1386\}$$

```
--------------------------------------------------------------------------------

Sequence:  A157367
Score: 15.0229
Type of gen. func.: lgdogf


                                2
                               x  + 9210 x + 19601
                         - ----------------------------
                                      2
                           (x - 1) (x  + 4604 x + 4999)



--------------------------------------------------------------------------------

Sequence:  A157367
Score: 4.95615
Type of gen. func.: ogf


(7047425 f(x) - 46511314503)

           3            2                2
    (f(x) x  - 3 f(x) x  + 3 f(x) x + x  - f(x) + 4604 x + 4999)



--------------------------------------------------------------------------------

Sequence:  A157367
Score: 5.35909
Type of gen. func.: ogf


{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 4999, a(1) = 19601,

    a(2) = 43807}



--------------------------------------------------------------------------------

Sequence:  A157367
Score: 8.34390
Type of gen. func.: lgdogf


                                2
                               x  + 9210 x + 19601
                         - ---------------------------
                            3         2
                           x  + 4603 x  + 395 x - 4999



--------------------------------------------------------------------------------

Sequence:  A157367
Score: 9.83833
Type of gen. func.: ogf


                                 2
                                x  + 4604 x + 4999
                              - ------------------
                                            3
```

$$(x - 1)$$

Sequence: A157368
Score: 10.2733
Type of gen. func.: lgdogf

$$-\frac{31 x^2 + 192 x + 71}{31 x^3 + 34 x^2 - 63 x - 2}$$

Sequence: A157368
Score: 11.5779
Type of gen. func.: ogf

$$-\frac{31 x^2 + 65 x + 2}{(x - 1)^3}$$

Sequence: A157368
Score: 17.8741
Type of gen. func.: lgdogf

$$-\frac{31 x^2 + 192 x + 71}{(x - 1) (31 x^2 + 65 x + 2)}$$

Sequence: A157368
Score: 5.56798
Type of gen. func.: ogf

$$(669888604 f(x) - 25860548363)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 31 x^2 - f(x) + 65 x + 2)$$

Sequence: A157368
Score: 6.34266
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2, a(1) = 71, a(2) = 238\}$$

Sequence: A157369
Score: 14.6163
Type of gen. func.: lgdogf

$$-\frac{-39\,x-59}{-39\,x^{2}+29\,x+10}$$

Sequence: A157369
Score: 16.1389
Type of gen. func.: ogf

$$\frac{7\,(39\,x+10)}{(x-1)^{2}}$$

Sequence: A157369
Score: 22.3503
Type of gen. func.: revogf

$$-\frac{-35-x+7\,(25+7\,x)^{1/2}}{-273+x}$$

Sequence: A157369
Score: 29.2273
Type of gen. func.: lgdogf

$$-\frac{59+39\,x}{(39\,x+10)\,(x-1)}$$

Sequence: A157369
Score: 8.42027
Type of gen. func.: ogf

$$(14\,f(x)+2501)\,(f(x)\,x^{2}-2\,f(x)\,x+f(x)-273\,x-70)$$

Sequence: A157369
Score: 9.11371
Type of gen. func.: ogf

$$\{-a(n+2) + 2\,a(n+1) - a(n),\ a(0) = 70,\ a(1) = 413\}$$

Sequence: A157370
Score: 10.0524
Type of gen. func.: ogf

$$-\frac{(16\,x + 33)\,(95\,x + 3)}{(x-1)^{3}}$$

Sequence: A157370
Score: 13.6754
Type of gen. func.: lgdogf

$$-\frac{2\,(760\,x^{2} + 4703\,x + 1740)}{(16\,x + 33)\,(x-1)\,(95\,x + 3)}$$

Sequence: A157370
Score: 5.06342
Type of gen. func.: ogf

$$(13670412\,f(x) - 25850828075)$$

$$(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x + 1520\,x^{2} - f(x) + 3183\,x + 99)$$

Sequence: A157370
Score: 5.69635
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 99,\ a(1) = 3480,$$

$$a(2) = 11663\}$$

Sequence: A157370
Score: 8.23569
Type of gen. func.: lgdogf

$$-\frac{1520 x^2 + 9406 x + 3480}{1520 x^3 + 1663 x^2 - 3084 x - 99}$$

Sequence: A157371
Score: 16.5835
Type of gen. func.: lgdogf

$$-\frac{2 (55 x^3 - 6 x^2 + 15 x - 4)}{(x - 1) (55 x^3 - 59 x^2 + 37 x - 9)}$$

Sequence: A157371
Score: 4.01623
Type of gen. func.: ogf

$$\{(187 n^2 + 1089 n + 1584) a(n + 1) + (-400 n^2 - 1736 n - 1408) a(n + 2)$$

$$+ (213 n^2 + 543 n - 288) a(n + 3), a(0) = 9, a(1) = 8, a(2) = 9\}$$

Sequence: A157371
Score: 8.74646
Type of gen. func.: ogf

$$\frac{55 x^3 - 59 x^2 + 37 x - 9}{(x - 1)^5}$$

Sequence: A157371
Score: 8.84473
Type of gen. func.: lgdogf

$$-\frac{110 x^3 - 12 x^2 + 30 x - 8}{55 x^4 - 114 x^3 + 96 x^2 - 46 x + 9}$$

Sequence: A157373
Score: 10.4768
Type of gen. func.: lgdogf

$$-\frac{2 x^{2} + 134 x + 158}{2 x^{3} + 63 x^{2} - 34 x - 31}$$

Sequence: A157373
Score: 11.8071
Type of gen. func.: ogf

$$-\frac{2 x^{2} + 65 x + 31}{(x - 1)^{3}}$$

Sequence: A157373
Score: 19.1949
Type of gen. func.: lgdogf

$$-\frac{2 (x^{2} + 67 x + 79)}{(x - 1) (2 x^{2} + 65 x + 31)}$$

Sequence: A157373
Score: 5.63522
Type of gen. func.: ogf

$$(1161190828 f(x) - 68991679093)$$

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 2 x^{2} - f(x) + 65 x + 31)$$

Sequence: A157373
Score: 6.35769
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 31, a(1) = 158, a(2) = 383\}$

Sequence: A157374

Score: 14.6859
Type of gen. func.: lgdogf

$$-\frac{10 x + 88}{10 x^2 + 29 x - 39}$$

Sequence: A157374
Score: 16.2157
Type of gen. func.: ogf

$$\frac{7 (10 x + 39)}{(x - 1)^2}$$

Sequence: A157374
Score: 17.7581
Type of gen. func.: revogf

$$-\frac{-273 - 2 x + 7 (1521 + 28 x)^{1/2}}{2 (-70 + x)}$$

Sequence: A157374
Score: 28.2814
Type of gen. func.: lgdogf

$$-\frac{2 (44 + 5 x)}{(10 x + 39) (x - 1)}$$

Sequence: A157374
Score: 8.55334
Type of gen. func.: ogf

$$(7 f(x) + 1961) (f(x) x^2 - 2 f(x) x + f(x) - 70 x - 273)$$

Sequence: A157374
Score: 9.05063
Type of gen. func.: ogf

$\{-a(n+2) + 2\,a(n+1) - a(n),\ a(0) = 273,\ a(1) = 616\}$

Sequence: A157375
Score: 10.2505
Type of gen. func.: ogf

$$-\frac{(3x+95)(33x+16)}{(x-1)^3}$$

Sequence: A157375
Score: 14.2409
Type of gen. func.: lgdogf

$$-\frac{3(33x^2+2188x+2581)}{(3x+95)(x-1)(33x+16)}$$

Sequence: A157375
Score: 5.20172
Type of gen. func.: ogf

$(7898996\,f(x) - 22988289895)$

$(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 99\,x^2 - f(x) + 3183\,x + 1520)$

Sequence: A157375
Score: 5.71337
Type of gen. func.: ogf

$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 1520,\ a(1) = 7743,$

$a(2) = 18768\}$

Sequence: A157375
Score: 8.60532
Type of gen. func.: lgdogf

$$-\frac{99x^2+6564x+7743}{99x^3+3084x^2-1663x-1520}$$

Sequence: A157376
Score: 11.8650
Type of gen. func.: lgdogf

```
                                   2
                      2 (1139 x  + 12015 x + 6529)
                  - ----------------------------------
                                        2
                    (x - 1) (2278 x  + 9737 x + 1107)
```

Sequence: A157376
Score: 4.26769
Type of gen. func.: ogf

```
(37961595490516020 f(x) - 229762854430944739907)

           3            2                     2
    (f(x) x  - 3 f(x) x  + 3 f(x) x + 2278 x  - f(x) + 9737 x + 1107)
```

Sequence: A157376
Score: 5.41268
Type of gen. func.: ogf

```
{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1107, a(1) = 13058,

    a(2) = 38131}
```

Sequence: A157376
Score: 7.65241
Type of gen. func.: lgdogf

```
                                  2
                        2278 x  + 24030 x + 13058
                  - ----------------------------------
                            3          2
                    2278 x  + 7459 x  - 8630 x - 1107
```

Sequence: A157376
Score: 9.51086
Type of gen. func.: ogf

```
                                   2
                         2278 x  + 9737 x + 1107
                       - -----------------------
                                        3
```

$$(x - 1)$$

Sequence: A157377
Score: 10.5763
Type of gen. func.: lgdogf

$$-\frac{-3866 x - 9256}{-3866 x^2 + 1171 x + 2695}$$

Sequence: A157377
Score: 11.8806
Type of gen. func.: revogf

$$-\frac{-218295 - 2 x + 81 (7263025 + 324 x)^{1/2}}{2 (-313146 + x)}$$

Sequence: A157377
Score: 12.1147
Type of gen. func.: ogf

$$\frac{81 (3866 x + 2695)}{(x - 1)^2}$$

Sequence: A157377
Score: 18.1509
Type of gen. func.: lgdogf

$$-\frac{2 (4628 + 1933 x)}{(3866 x + 2695) (x - 1)}$$

Sequence: A157377
Score: 6.469
Type of gen. func.: ogf

$$(81 f(x) + 25154873) (f(x) x^2 - 2 f(x) x + f(x) - 313146 x - 218295)$$

Sequence: A157377
Score: 7.24248
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 218295, a(1) = 749736\}$$

Sequence: A157378
Score: 4.01867
Type of gen. func.: ogf

$$(13500542047572 f(x) - 536113338607136177807) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 14945957 x^2 - f(x) + 63884459 x + 7263026)$$

Sequence: A157378
Score: 4.95535
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 7263026, a(1) = 85673537, a(2) = 250177490\}$$

Sequence: A157378
Score: 8.13656
Type of gen. func.: ogf

$$-\frac{14945957 x^2 + 63884459 x + 7263026}{(x - 1)^3}$$

Sequence: A157411
Score: 6.86781
Type of gen. func.: ogf

$$-\frac{251 x^4 + 646 x^3 - 264 x^2 + 106 x - 19}{(x - 1)^5}$$

Sequence: A157411

Score: 9.06987
Type of gen. func.: lgdogf

$$-\frac{251 x^4 + 2296 x^3 + 1146 x^2 - 104 x + 11}{(x - 1) (251 x^4 + 646 x^3 - 264 x^2 + 106 x - 19)}$$

Sequence: A157418
Score: 11.6121
Type of gen. func.: revogf

$$\frac{-2 - x - 2 x^2 + ((4 x + 1) (x + 2)^2)^{1/2}}{2 (x^2 + 2 x + 2)}$$

Sequence: A157418
Score: 5.26959
Type of gen. func.: ogf

$$-f(x)^2 x^3 - 2 f(x)^2 x^2 - f(x)^2 x - 2 f(x) x^2 - f(x) x + 2 f(x) - 2 x - 2$$

Sequence: A157421
Score: 5.89775
Type of gen. func.: ogf

$$-\frac{2 x^{11} + 3 x^{10} - 2 x^9 + 4 x^8 + 2 x^7 + 2 x^6 + 3 x^5 + 3 x^3 + 2 x^2 + 1}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^3}$$

Sequence: A157431
Score: 11.6593
Type of gen. func.: ogf

$$-\frac{333 x^2 - 735 x + 410}{(x - 1)^3}$$

Sequence: A157431
Score: 15.9630
Type of gen. func.: lgdogf

$$-\frac{3\,(111\,x^2 - 268\,x + 165)}{(x-1)\,(333\,x^2 - 735\,x + 410)}$$

Sequence: A157431
Score: 6.00902
Type of gen. func.: ogf

(128192 f(x) + 103992923)

$$(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 333\,x^2 - f(x) - 735\,x + 410)$$

Sequence: A157431
Score: 6.62011
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 410, a(1) = 495, a(2) = 588}

Sequence: A157431
Score: 9.76466
Type of gen. func.: lgdogf

$$-\frac{-333\,x^2 + 804\,x - 495}{-333\,x^3 + 1068\,x^2 - 1145\,x + 410}$$

Sequence: A157432
Score: 14.7662
Type of gen. func.: lgdogf

$$-\frac{-73\,x + 89}{-73\,x^2 + 154\,x - 81}$$

Sequence: A157432
Score: 16.2729

Type of gen. func.: ogf

$$-\frac{8\,(73\,x-81)}{(x-1)^2}$$

Sequence: A157432
Score: 21.7314
Type of gen. func.: revogf

$$-\frac{-324-x+4\,(6561+4\,x)^{1/2}}{584+x}$$

Sequence: A157432
Score: 28.9752
Type of gen. func.: lgdogf

$$-\frac{-89+73\,x}{(x-1)\,(73\,x-81)}$$

Sequence: A157432
Score: 8.66711
Type of gen. func.: ogf

$$(2\,f(x)+6625)\,(f(x)\,x^2-2\,f(x)\,x+f(x)+584\,x-648)$$

Sequence: A157432
Score: 9.27179
Type of gen. func.: ogf

$$\{-a(n+2)+2\,a(n+1)-a(n),\ a(0)=648,\ a(1)=712\}$$

Sequence: A157433
Score: 12.2496
Type of gen. func.: lgdogf

$$-\frac{10657\,x^2-25730\,x+15841}{2}$$

$$(x - 1) (10657 x - 23522 x + 13121)$$

Sequence: A157433
Score: 5.36547
Type of gen. func.: ogf

$$(18608 f(x) + 483182087)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 10657 x^2 - f(x) - 23522 x + 13121)$$

Sequence: A157433
Score: 5.84145
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 13121, a(1) = 15841, a(2) = 18817\}$$

Sequence: A157433
Score: 7.87326
Type of gen. func.: lgdogf

$$- \frac{-10657 x^2 + 25730 x - 15841}{-10657 x^3 + 34179 x^2 - 36643 x + 13121}$$

Sequence: A157433
Score: 9.92247
Type of gen. func.: ogf

$$- \frac{10657 x^2 - 23522 x + 13121}{(x - 1)^3}$$

Sequence: A157434
Score: 11.7151
Type of gen. func.: ogf

$$- \frac{390 x^2 - 855 x + 473}{}$$

$$(x - 1)^3$$

Sequence: A157434
Score: 16.7383
Type of gen. func.: lgdogf

$$-\frac{6 (65 x^2 - 155 x + 94)}{(x - 1) (390 x^2 - 855 x + 473)}$$

Sequence: A157434
Score: 6.03777
Type of gen. func.: ogf

$$(434752 f(x) + 446257999)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 390 x^2 - f(x) - 855 x + 473)$$

Sequence: A157434
Score: 6.65179
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 473, a(1) = 564, a(2) = 663\}$

Sequence: A157434
Score: 9.81139
Type of gen. func.: lgdogf

$$-\frac{-390 x^2 + 930 x - 564}{-390 x^3 + 1245 x^2 - 1328 x + 473}$$

Sequence: A157435
Score: 14.8359
Type of gen. func.: lgdogf

$$-\frac{-79 x + 95}{-79 x^2 + 166 x - 87}$$

Sequence: A157435
Score: 16.3497
Type of gen. func.: ogf

$$-\frac{8 (79 x - 87)}{(x - 1)^2}$$

Sequence: A157435
Score: 21.8359
Type of gen. func.: revogf

$$-\frac{-348 - x + 4 (7569 + 4 x)^{1/2}}{632 + x}$$

Sequence: A157435
Score: 29.1145
Type of gen. func.: lgdogf

$$-\frac{-95 + 79 x}{(x - 1) (79 x - 87)}$$

Sequence: A157435
Score: 8.708
Type of gen. func.: ogf

$$(2 f(x) + 7633) (f(x) x^2 - 2 f(x) x + f(x) + 632 x - 696)$$

Sequence: A157435
Score: 9.31553
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 696, a(1) = 760\}$$

Sequence: A157436
Score: 12.2496

Type of gen. func.: lgdogf

$$-\frac{12481 x^{2} - 29762 x + 18049}{(x - 1) (12481 x^{2} - 27362 x + 15137)}$$

Sequence: A157436
Score: 5.24883
Type of gen. func.: ogf

$$(652112 f(x) + 21424777991)$$

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 12481 x^{2} - f(x) - 27362 x + 15137)$$

Sequence: A157436
Score: 5.84145
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 15137, a(1) = 18049,

a(2) = 21217}

Sequence: A157436
Score: 7.87326
Type of gen. func.: lgdogf

$$-\frac{-12481 x^{2} + 29762 x - 18049}{-12481 x^{3} + 39843 x^{2} - 42499 x + 15137}$$

Sequence: A157436
Score: 9.92247
Type of gen. func.: ogf

$$-\frac{12481 x^{2} - 27362 x + 15137}{(x - 1)^{3}}$$

Sequence: A157440

Score: 11.3882
Type of gen. func.: ogf

$$-\frac{86 x^2 + 153 x + 3}{(x - 1)^3}$$

Sequence: A157440
Score: 16.6192
Type of gen. func.: lgdogf

$$-\frac{2 (43 x^2 + 239 x + 81)}{(x - 1) (86 x^2 + 153 x + 3)}$$

Sequence: A157440
Score: 5.35916
Type of gen. func.: ogf

$$(23659563180 f(x) - 2176891475573)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 86 x^2 - f(x) + 153 x + 3)$$

Sequence: A157440
Score: 6.28316
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3, a(1) = 162, a(2) = 563\}$

Sequence: A157440
Score: 9.98421
Type of gen. func.: lgdogf

$$-\frac{86 x^2 + 478 x + 162}{86 x^3 + 67 x^2 - 150 x - 3}$$

Sequence: A157441
Score: 12.9516

Type of gen. func.: lgdogf

$$-\frac{-102x-140}{-102x^2+83x+19}$$

Sequence: A157441
Score: 14.5058
Type of gen. func.: ogf

$$\frac{11(102x+19)}{(x-1)^2}$$

Sequence: A157441
Score: 15.8016
Type of gen. func.: revogf

$$-\frac{-209-2x+11(361+44x)^{1/2}}{2(-1122+x)}$$

Sequence: A157441
Score: 24.5197
Type of gen. func.: lgdogf

$$-\frac{2(70+51x)}{(102x+19)(x-1)}$$

Sequence: A157441
Score: 7.71586
Type of gen. func.: ogf

$$(11 f(x) + 7501) (f(x) x^2 - 2 f(x) x + f(x) - 1122 x - 209)$$

Sequence: A157441
Score: 8.33668
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 209, a(1) = 1540\}$$

Sequence: A157442
Score: 11.2288
Type of gen. func.: lgdogf

$$- \frac{10405 x^2 + 57840 x + 19601}{(x - 1) (10405 x^2 + 18515 x + 362)}$$

Sequence: A157442
Score: 4.55209
Type of gen. func.: ogf

$$(195535516 f(x) - 2177023847597)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 10405 x^2 - f(x) + 18515 x + 362)$$

Sequence: A157442
Score: 5.26103
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 362, a(1) = 19601,

a(2) = 68122}

Sequence: A157442
Score: 7.21175
Type of gen. func.: lgdogf

$$- \frac{10405 x^2 + 57840 x + 19601}{10405 x^3 + 8110 x^2 - 18153 x - 362}$$

Sequence: A157442
Score: 9.04008
Type of gen. func.: ogf

```
                  2
           10405 x  + 18515 x + 362
         - ------------------------
                            3
```

$$(x - 1)$$

Sequence: A157443
Score: 10.2216
Type of gen. func.: lgdogf

$$-\frac{3 x^{2} + 312 x + 411}{3 x^{3} + 150 x^{2} - 67 x - 86}$$

Sequence: A157443
Score: 11.4993
Type of gen. func.: ogf

$$-\frac{3 x^{2} + 153 x + 86}{(x - 1)^{3}}$$

Sequence: A157443
Score: 17.6033
Type of gen. func.: lgdogf

$$-\frac{3 (x^{2} + 104 x + 137)}{(x - 1) (3 x^{2} + 153 x + 86)}$$

Sequence: A157443
Score: 5.41145
Type of gen. func.: ogf

$$(14944420084 f(x) - 2254693695833)$$

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 3 x^{2} - f(x) + 153 x + 86)$$

Sequence: A157443
Score: 6.29023
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 86, a(1) = 411, a(2) = 978\}$$

Sequence: A157444
Score: 13.3164
Type of gen. func.: lgdogf

$$-\frac{19 x + 223}{19 x^2 + 83 x - 102}$$

Sequence: A157444
Score: 14.6480
Type of gen. func.: ogf

$$\frac{11 (19 x + 102)}{(x - 1)^2}$$

Sequence: A157444
Score: 18.4149
Type of gen. func.: revogf

$$-\frac{-561 - x + 11 (2601 + 11 x)^{1/2}}{-209 + x}$$

Sequence: A157444
Score: 25.6493
Type of gen. func.: lgdogf

$$-\frac{19 x + 223}{(19 x + 102) (x - 1)}$$

Sequence: A157444
Score: 7.70949
Type of gen. func.: ogf

$$(22 f(x) + 25045) (f(x) x^2 - 2 f(x) x + f(x) - 209 x - 1122)$$

Sequence: A157444
Score: 8.32275
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1122, a(1) = 2453\}$$

Sequence: A157445
Score: 11.4615
Type of gen. func.: lgdogf

$$-\frac{2 (181 x^2 + 18877 x + 24865)}{(x - 1) (362 x^2 + 18515 x + 10405)}$$

Sequence: A157445
Score: 4.64452
Type of gen. func.: ogf

$$(370524748 f(x) - 6764512250227)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 362 x^2 - f(x) + 18515 x + 10405)$$

Sequence: A157445
Score: 5.23902
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 10405, a(1) = 49730, a(2) = 118337\}$$

Sequence: A157445
Score: 7.52733
Type of gen. func.: lgdogf

$$-\frac{362 x^2 + 37754 x + 49730}{362 x^3 + 18153 x^2 - 8110 x - 10405}$$

Sequence: A157445
Score: 9.22363

Type of gen. func.: ogf

$$-\frac{362 x^2 + 18515 x + 10405}{(x - 1)^3}$$

Sequence: A157446
Score: 14.0177
Type of gen. func.: ogf

$$-\frac{17 x + 15}{(x - 1)^3}$$

Sequence: A157446
Score: 14.8265
Type of gen. func.: lgdogf

$$-\frac{34 x + 62}{17 x^2 - 2 x - 15}$$

Sequence: A157446
Score: 27.0079
Type of gen. func.: lgdogf

$$-\frac{2 (31 + 17 x)}{(17 x + 15) (x - 1)}$$

Sequence: A157446
Score: 6.4248
Type of gen. func.: ogf

$$(15109120 f(x) - 323828367) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 17 x + 15)$$

Sequence: A157446
Score: 6.64634
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 15, a(1) = 62, a(2) = 141}

Sequence: A157447
Score: 14.5145
Type of gen. func.: lgdogf

$$-\frac{x + 63}{x^2 + 30 x - 31}$$

Sequence: A157447
Score: 15.4216
Type of gen. func.: ogf

$$\frac{16 (x + 31)}{(x - 1)^2}$$

Sequence: A157447
Score: 20.7370
Type of gen. func.: revogf

$$-\frac{-248 - x + 8 (961 + 8 x)^{1/2}}{-16 + x}$$

Sequence: A157447
Score: 36.2897
Type of gen. func.: lgdogf

$$-\frac{x + 63}{(x + 31) (x - 1)}$$

Sequence: A157447
Score: 8.13449
Type of gen. func.: ogf

$$(4 f(x) + 1985) (f(x) x^2 - 2 f(x) x + f(x) - 16 x - 496)$$

Sequence: A157447
Score: 8.50849
Type of gen. func.: ogf

$$\{-a(n+2) + 2\,a(n+1) - a(n),\ a(0) = 496,\ a(1) = 1008\}$$

Sequence: A157448
Score: 10.7620
Type of gen. func.: ogf

$$-\frac{x^2 + 2174\,x + 1921}{(x-1)^3}$$

Sequence: A157448
Score: 16.8440
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4350\,x + 7937}{(x-1)\,(x^2 + 2174\,x + 1921)}$$

Sequence: A157448
Score: 5.46253
Type of gen. func.: ogf

$$(1888576\,f(x) - 5178892845)$$

$$(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + x^2 - f(x) + 2174\,x + 1921)$$

Sequence: A157448
Score: 5.91028
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 1921,\ a(1) = 7937,$$

$$a(2) = 18049\}$$

Sequence: A157448

Score: 9.24428
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4350 x + 7937}{x^3 + 2173 x^2 - 253 x - 1921}$$

Sequence: A157456
Score: 10.4154
Type of gen. func.: lgdogf

$$-\frac{-x^2 + 2 x - 15}{-x^3 + 17 x^2 - 17 x + 1}$$

Sequence: A157456
Score: 15.1703
Type of gen. func.: ogf

$$-\frac{x - 1}{x^2 - 16 x + 1}$$

Sequence: A157456
Score: 7.50357
Type of gen. func.: ogf

$$-(238 f(x) - 13) (f(x) x^2 - 16 f(x) x + f(x) + x - 1)$$

Sequence: A157456
Score: 8.30752
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1) + a(n), a(0) = 1, a(1) = 15\}$$

Sequence: A157459
Score: 12.7203
Type of gen. func.: ogf

$$-\frac{72 x}{(x - 1) (x^{2} - 322 x + 1)}$$

Sequence: A157459
Score: 5.30011
Type of gen. func.: ogf

{a(n + 3) - 323 a(n + 2) + 323 a(n + 1) - a(n), a(0) = 0, a(1) = 72,

a(2) = 23256}

Sequence: A157459
Score: 7.75625
Type of gen. func.: ogf

$$f(x) x^{3} - 323 f(x) x^{2} + 323 f(x) x - f(x) + 72 x$$

Sequence: A157459
Score: 8.83351
Type of gen. func.: lgdogf

$$-\frac{3 x^{2} - 646 x + 323}{x^{3} - 323 x^{2} + 323 x - 1}$$

Sequence: A157460
Score: 11.3884
Type of gen. func.: ogf

$$-\frac{88 x}{(x - 1) (x^{2} - 482 x + 1)}$$

Sequence: A157460
Score: 4.74516
Type of gen. func.: ogf

{a(n + 3) - 483 a(n + 2) + 483 a(n + 1) - a(n), a(0) = 0, a(1) = 88,

a(2) = 42504}

Sequence: A157460
Score: 6.94413
Type of gen. func.: ogf

$$f(x) x^3 - 483 f(x) x^2 + 483 f(x) x - f(x) + 88 x$$

Sequence: A157460
Score: 7.90860
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 966 x + 483}{x^3 - 483 x^2 + 483 x - 1}$$

Sequence: A157461
Score: 13.6117
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - 26 x + 1}$$

Sequence: A157461
Score: 7.03528
Type of gen. func.: ogf

$$(700 f(x) + 29) (f(x) x^2 - 26 f(x) x + f(x) - x - 1)$$

Sequence: A157461
Score: 7.45404
Type of gen. func.: ogf

$$\{-a(n + 2) + 26 a(n + 1) - a(n), a(0) = 1, a(1) = 27\}$$

Sequence: A157461
Score: 9.34536

Type of gen. func.: lgdogf

$$-\frac{x^2+2x-27}{x^3-25x^2-25x+1}$$

Sequence: A157462
Score: 11.3214
Type of gen. func.: lgdogf

$$-\frac{15\,(900x^2+120x+1)}{(30x+1)\,(30x-1)\,(15x+1)}$$

Sequence: A157462
Score: 12.6027
Type of gen. func.: ogf

$$-\frac{15x+1}{(30x-1)\,(30x+1)}$$

Sequence: A157462
Score: 12.9388
Type of gen. func.: revogf

$$\frac{-1+(3600x^2+60x+1)^{1/2}}{30\,(1+60x)}$$

Sequence: A157462
Score: 7.01922
Type of gen. func.: lgdogf

$$-\frac{-13500x^2-1800x-15}{-13500x^3-900x^2+15x+1}$$

Sequence: A157462
Score: 7.70164

Type of gen. func.: ogf

$$(20 f(x) - 19) (900 f(x) x^2 - f(x) + 15 x + 1)$$

Sequence: A157462
Score: 8.27639
Type of gen. func.: ogf

$$\{-a(n + 2) + 900 a(n), a(0) = 1, a(1) = 15\}$$

Sequence: A157469
Score: 7.94888
Type of gen. func.: ogf

$$- \frac{(x - 1) (85 x^4 + 182 x^3 + 295 x^2 + 182 x + 85)}{x^6 - 6 x^3 + 1}$$

Sequence: A157474
Score: 14.0848
Type of gen. func.: ogf

$$- \frac{15 x + 17}{(x - 1)^3}$$

Sequence: A157474
Score: 14.8974
Type of gen. func.: lgdogf

$$- \frac{30 x + 66}{15 x^2 + 2 x - 17}$$

Sequence: A157474
Score: 28.1448
Type of gen. func.: lgdogf

$$- \frac{6 (11 + 5 x)}{}$$

$$(15 x + 17) (x - 1)$$

Sequence: A157474
Score: 6.50979
Type of gen. func.: ogf

$$(5276672 f(x) - 116731099) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x - f(x) + 15 x + 17)$$

Sequence: A157474
Score: 6.67815
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 17, a(1) = 66, a(2) = 147\}$$

Sequence: A157475
Score: 14.5145
Type of gen. func.: lgdogf

$$- \frac{-x + 65}{-x^{2} + 34 x - 33}$$

Sequence: A157475
Score: 15.4216
Type of gen. func.: ogf

$$- \frac{16 (x - 33)}{(x - 1)^{2}}$$

Sequence: A157475
Score: 20.7370
Type of gen. func.: revogf

$$- \frac{-264 - x + 8 (1089 + 8 x)^{1/2}}{16 + x}$$

Sequence: A157475
Score: 34.5617
Type of gen. func.: lgdogf

$$-\frac{-65 + x}{(x - 1)(x - 33)}$$

Sequence: A157475
Score: 8.13449
Type of gen. func.: ogf

$$(4 f(x) + 2113) (f(x) x^2 - 2 f(x) x + f(x) + 16 x - 528)$$

Sequence: A157475
Score: 8.50849
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 528, a(1) = 1040\}$$

Sequence: A157476
Score: 10.8128
Type of gen. func.: ogf

$$-\frac{x^2 + 1918 x + 2177}{(x - 1)^3}$$

Sequence: A157476
Score: 16.9250
Type of gen. func.: lgdogf

$$-\frac{x^2 + 3838 x + 8449}{(x - 1) (x^2 + 1918 x + 2177)}$$

Sequence: A157476
Score: 5.4883
Type of gen. func.: ogf

(1978688 f(x) - 5600535091)

$$(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + x^2 - f(x) + 1918\,x + 2177)$$

Sequence: A157476
Score: 5.93816
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2177, a(1) = 8449,

a(2) = 18817}

Sequence: A157476
Score: 9.28790
Type of gen. func.: lgdogf

$$-\frac{x^2 + 3838\,x + 8449}{x^3 + 1917\,x^2 + 259\,x - 2177}$$

Sequence: A157505
Score: 13.6307
Type of gen. func.: lgdogf

$$-\frac{-x + 163}{-x^2 + 83\,x - 82}$$

Sequence: A157505
Score: 14.4653
Type of gen. func.: ogf

$$-\frac{18\,(x - 82)}{(x - 1)^2}$$

Sequence: A157505
Score: 19.2970
Type of gen. func.: revogf

$$-\frac{-738 - x + 9 (6724 + 18 x)}{18 + x}$$

Sequence: A157505
Score: 31.5770
Type of gen. func.: lgdogf

$$-\frac{-163 + x}{(x - 1) (x - 82)}$$

Sequence: A157505
Score: 7.62149
Type of gen. func.: ogf

$$(9 f(x) + 13285) (f(x) x^2 - 2 f(x) x + f(x) + 18 x - 1476)$$

Sequence: A157505
Score: 8.05452
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1476, a(1) = 2934\}$$

Sequence: A157506
Score: 13.9532
Type of gen. func.: lgdogf

$$-\frac{x^2 + 25594 x + 53137}{(x - 1) (x^2 + 12796 x + 13447)}$$

Sequence: A157506
Score: 4.78013
Type of gen. func.: ogf

$$(10548171 f(x) - 189450070669)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 12796 x + 13447)$$

Sequence: A157506
Score: 5.23902
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 13447, a(1) = 53137,

a(2) = 119071}

Sequence: A157506
Score: 7.98632
Type of gen. func.: lgdogf

$$-\frac{x^2 + 25594 x + 53137}{x^3 + 12795 x^2 + 651 x - 13447}$$

Sequence: A157506
Score: 9.49099
Type of gen. func.: ogf

$$-\frac{x^2 + 12796 x + 13447}{(x - 1)^3}$$

Sequence: A157507
Score: 13.3568
Type of gen. func.: ogf

$$-\frac{83 x + 79}{(x - 1)^3}$$

Sequence: A157507
Score: 13.6041
Type of gen. func.: lgdogf

$$-\frac{166 x + 320}{83 x^2 - 4 x - 79}$$

Sequence: A157507
Score: 24.8375
Type of gen. func.: lgdogf

$$-\frac{2(160+83x)}{(83x+79)(x-1)}$$

Sequence: A157507
Score: 5.78442
Type of gen. func.: ogf

$$(10065807468 f(x) - 1102167855895)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 83 x + 79)$$

Sequence: A157507
Score: 6.27882
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 79, a(1) = 320, a(2) = 723}

Sequence: A157508
Score: 13.6307
Type of gen. func.: lgdogf

$$-\frac{x+161}{x^2+79x-80}$$

Sequence: A157508
Score: 14.4653
Type of gen. func.: ogf

$$\frac{18(x+80)}{(x-1)^2}$$

Sequence: A157508
Score: 18.7755
Type of gen. func.: revogf

$$-\frac{-720 - x + 9 (6400 + 18 x)^{1/2}}{-18 + x}$$

Sequence: A157508
Score: 33.0806
Type of gen. func.: lgdogf

$$-\frac{x + 161}{(x + 80) (x - 1)}$$

Sequence: A157508
Score: 7.62149
Type of gen. func.: ogf

$$(9 f(x) + 12961) (f(x) x^{2} - 2 f(x) x + f(x) - 18 x - 1440)$$

Sequence: A157508
Score: 8.05452
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1440, a(1) = 2898\}$$

Sequence: A157509
Score: 13.9532
Type of gen. func.: lgdogf

$$-\frac{x^{2} + 26890 x + 51841}{(x - 1) (x^{2} + 13444 x + 12799)}$$

Sequence: A157509
Score: 4.78013
Type of gen. func.: ogf

$$(10355715 f(x) - 183681565109)$$

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + x^{2} - f(x) + 13444 x + 12799)$$

Sequence: A157509
Score: 5.23902
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 12799, a(1) = 51841,$

$a(2) = 117127\}$

Sequence: A157509
Score: 7.98632
Type of gen. func.: lgdogf

$$-\frac{x^2 + 26890 x + 51841}{x^3 + 13443 x^2 - 645 x - 12799}$$

Sequence: A157509
Score: 9.49099
Type of gen. func.: ogf

$$-\frac{x^2 + 13444 x + 12799}{(x - 1)^3}$$

Sequence: A157510
Score: 13.9479
Type of gen. func.: lgdogf

$$-\frac{-x + 101}{-x^2 + 52 x - 51}$$

Sequence: A157510
Score: 14.8019
Type of gen. func.: ogf

$$-\frac{20 (x - 51)}{(x - 1)^2}$$

Sequence: A157510
Score: 19.2181
Type of gen. func.: revogf

$$-\frac{-510 - x + 10 (2601 + 10 x)^{1/2}}{20 + x}$$

Sequence: A157510
Score: 32.3214
Type of gen. func.: lgdogf

$$-\frac{-101 + x}{(x - 1) (x - 51)}$$

Sequence: A157510
Score: 7.8836
Type of gen. func.: ogf

$$(5 f(x) + 5101) (f(x) x^2 - 2 f(x) x + f(x) + 20 x - 1020)$$

Sequence: A157510
Score: 8.24194
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1020, a(1) = 2020\}$$

Sequence: A157511
Score: 15.0229
Type of gen. func.: lgdogf

$$-\frac{x^2 + 9598 x + 20401}{(x - 1) (x^2 + 4798 x + 5201)}$$

Sequence: A157511

Score: 4.95615
Type of gen. func.: ogf

$$(3742750 f(x) - 25714382939) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 4798 x + 5201)$$

Sequence: A157511
Score: 5.35909
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 5201, a(1) = 20401, a(2) = 45601\}$$

Sequence: A157511
Score: 8.34390
Type of gen. func.: lgdogf

$$- \frac{x^2 + 9598 x + 20401}{x^3 + 4797 x^2 + 403 x - 5201}$$

Sequence: A157511
Score: 9.83833
Type of gen. func.: ogf

$$- \frac{x^2 + 4798 x + 5201}{(x - 1)^3}$$

Sequence: A157514
Score: 13.4260
Type of gen. func.: ogf

$$- \frac{2 (13 x + 12)}{(x - 1)^3}$$

Sequence: A157514

Score: 14.2006
Type of gen. func.: lgdogf

$$-\frac{26 x + 49}{13 x^2 - x - 12}$$

Sequence: A157514
Score: 27.8416
Type of gen. func.: lgdogf

$$-\frac{26 x + 49}{(13 x + 12) (x - 1)}$$

Sequence: A157514
Score: 6.25788
Type of gen. func.: ogf

$$(2838125 f(x) - 95556882) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 26 x + 24)$$

Sequence: A157514
Score: 6.36578
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 24, a(1) = 98, a(2) = 222}

Sequence: A157515
Score: 14.0820
Type of gen. func.: lgdogf

$$-\frac{x + 99}{x^2 + 48 x - 49}$$

Sequence: A157515
Score: 14.9621
Type of gen. func.: ogf

$$\frac{20 (x + 49)}{\quad 2}$$

$$(x - 1)$$

Sequence: A157515
Score: 18.5252
Type of gen. func.: revogf

$$-\frac{-490 - x + 10 (2401 + 10 x)^{1/2}}{-20 + x}$$

Sequence: A157515
Score: 35.1980
Type of gen. func.: lgdogf

$$-\frac{x + 99}{(x + 49) (x - 1)}$$

Sequence: A157515
Score: 7.89209
Type of gen. func.: ogf

$$(5 f(x) + 4901) (f(x) x^2 - 2 f(x) x + f(x) - 20 x - 980)$$

Sequence: A157515
Score: 8.25495
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 980, a(1) = 1980\}$$

Sequence: A157516
Score: 14.6815
Type of gen. func.: lgdogf

$$-\frac{x^2 + 10398 x + 19601}{(x - 1) (x^2 + 5198 x + 4801)}$$

Sequence: A157516
Score: 4.95615
Type of gen. func.: ogf

$$(1816375 f(x) - 12228996468) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 5198 x + 4801)$$

Sequence: A157516
Score: 5.35909
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 4801, a(1) = 19601, a(2) = 44401\}$$

Sequence: A157516
Score: 8.23960
Type of gen. func.: lgdogf

$$- \frac{x^2 + 10398 x + 19601}{x^3 + 5197 x^2 - 397 x - 4801}$$

Sequence: A157516
Score: 9.83833
Type of gen. func.: ogf

$$- \frac{x^2 + 5198 x + 4801}{(x - 1)^3}$$

Sequence: A157517
Score: 10.7691
Type of gen. func.: ogf

$$\frac{11 x^2 + 8 x - 7}{(x - 1)^3}$$

Sequence: A157517
Score: 20.2415
Type of gen. func.: lgdogf

$$-\frac{11 x^2 + 38 x - 13}{(x - 1) (11 x^2 + 8 x - 7)}$$

Sequence: A157517
Score: 5.90873
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 7, a(1) = 13, a(2) = 7\}$$

Sequence: A157517
Score: 5.90874
Type of gen. func.: ogf

$$(5 f(x) + 13) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 11 x^2 - f(x) - 8 x + 7)$$

Sequence: A157517
Score: 9.67662
Type of gen. func.: lgdogf

$$-\frac{-11 x^2 - 38 x + 13}{-11 x^3 + 3 x^2 + 15 x - 7}$$

Sequence: A157532
Score: 12.2069
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1), a(0) = 2, a(1) = 3\}$$

Sequence: A157532
Score: 19.5311
Type of gen. func.: ogf

$$-f(x) x + f(x) - x - 2$$

Sequence: A157532
Score: 23.7540
Type of gen. func.: ogf

$$-\frac{x+2}{x-1}$$

Sequence: A157532
Score: 24.4139
Type of gen. func.: lgdogf

$$-\frac{3}{x^2+x-2}$$

Sequence: A157532
Score: 32.4226
Type of gen. func.: revogf

$$-x/2-1+\frac{(x^2+8x+4)^{1/2}}{2}$$

Sequence: A157532
Score: 69.4770
Type of gen. func.: lgdogf

$$-\frac{3}{(x+2)(x-1)}$$

Sequence: A157534
Score: 4.85550
Type of gen. func.: ogf

$$-\frac{16x^6+54x^5-45x^4+15x^2-6x+1}{(x-1)^9}$$

Sequence: A157534
Score: 7.84595
Type of gen. func.: lgdogf

$$-\frac{3 (16 x^6 + 104 x^5 + 15 x^4 - 60 x^3 + 35 x^2 - 6 x + 1)}{(x - 1) (16 x^6 + 54 x^5 - 45 x^4 + 15 x^2 - 6 x + 1)}$$

Sequence: A157606
Score: 6.73130
Type of gen. func.: ogf

$$\frac{2 x^9 - 3 x^8 + x^7 - 4 x^5 - x^4 - 2 x^3 - 3 x^2 - x - 1}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^3}$$

Sequence: A157609
Score: 13.3218
Type of gen. func.: lgdogf

$$-\frac{x + 241}{x^2 + 119 x - 120}$$

Sequence: A157609
Score: 14.6812
Type of gen. func.: ogf

$$\frac{22 (x + 120)}{(x - 1)^2}$$

Sequence: A157609
Score: 17.6318
Type of gen. func.: revogf

$$-\frac{-1320 - x + 11 (14400 + 22 x)^{1/2}}{-22 + x}$$

Sequence: A157609
Score: 32.0578
Type of gen. func.: lgdogf

$$-\frac{x + 241}{(x + 120)\ (x - 1)}$$

Sequence: A157609
Score: 7.65295
Type of gen. func.: ogf

$$(11\ f(x) + 29041)\ (f(x)\ x^2 - 2\ f(x)\ x + f(x) - 22\ x - 2640)$$

Sequence: A157609
Score: 8.17474
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\ a(n + 1) - a(n),\ a(0) = 2640,\ a(1) = 5302\}$$

Sequence: A157610
Score: 13.6974
Type of gen. func.: lgdogf

$$-\frac{x^2 + 59530\ x + 116161}{(x - 1)\ (x^2 + 29764\ x + 28799)}$$

Sequence: A157610
Score: 4.72411
Type of gen. func.: ogf

$$(103879105\ f(x) - 4120098226967)$$

$$(f(x)\ x^3 - 3\ f(x)\ x^2 + 3\ f(x)\ x + x^2 - f(x) + 29764\ x + 28799)$$

Sequence: A157610
Score: 5.21152

Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 28799, a(1) = 116161,

a(2) = 262087}

Sequence: A157610
Score: 7.91147
Type of gen. func.: lgdogf

$$-\frac{x^2 + 59530 x + 116161}{x^3 + 29763 x^2 - 965 x - 28799}$$

Sequence: A157610
Score: 9.51670
Type of gen. func.: ogf

$$-\frac{x^2 + 29764 x + 28799}{(x - 1)^3}$$

Sequence: A157613
Score: 13.3218
Type of gen. func.: lgdogf

$$-\frac{-x + 243}{-x^2 + 123 x - 122}$$

Sequence: A157613
Score: 14.6812
Type of gen. func.: ogf

$$-\frac{22 (x - 122)}{(x - 1)^2}$$

Sequence: A157613
Score: 18.0839

Type of gen. func.: revogf

$$-\frac{-1342 - x + 11 (14884 + 22 x)^{1/2}}{22 + x}$$

Sequence: A157613
Score: 30.6640
Type of gen. func.: lgdogf

$$-\frac{-243 + x}{(x - 1) (x - 122)}$$

Sequence: A157613
Score: 7.65295
Type of gen. func.: ogf

$$(11 f(x) + 29525) (f(x) x^2 - 2 f(x) x + f(x) + 22 x - 2684)$$

Sequence: A157613
Score: 8.17474
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 2684, a(1) = 5346\}$$

Sequence: A157614
Score: 13.6974
Type of gen. func.: lgdogf

$$-\frac{x^2 + 57594 x + 118097}{(x - 1) (x^2 + 28796 x + 29767)}$$

Sequence: A157614
Score: 4.72411
Type of gen. func.: ogf

```
(105167513 f(x) - 4206272136927)

           3           2                2
```

$(f(x) x - 3 f(x) x + 3 f(x) x + x - f(x) + 28796 x + 29767)$

Sequence: A157614
Score: 5.21152
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 29767, a(1) = 118097,$

$a(2) = 264991\}$

Sequence: A157614
Score: 7.91147
Type of gen. func.: lgdogf

$$-\frac{x^2 + 57594 x + 118097}{x^3 + 28795 x^2 + 971 x - 29767}$$

Sequence: A157614
Score: 9.51670
Type of gen. func.: ogf

$$-\frac{x^2 + 28796 x + 29767}{(x - 1)^3}$$

Sequence: A157618
Score: 10.9223
Type of gen. func.: ogf

$$-\frac{314 x^2 + 883 x + 53}{(x - 1)^3}$$

Sequence: A157618
Score: 14.7294
Type of gen. func.: lgdogf

$$2 (157 x^2 + 1197 x + 521)$$

```
                        - -----------------------------
                                        2
                          (x - 1) (314 x  + 883 x + 53)



------------------------------------------------------------------------------

Sequence:  A157618
Score: 4.97154
Type of gen. func.: ogf


(19428692187500 f(x) - 10215308866872699)

           3            2                    2
    (f(x) x  - 3 f(x) x  + 3 f(x) x + 314 x  - f(x) + 883 x + 53)



------------------------------------------------------------------------------

Sequence:  A157618
Score: 6.05776
Type of gen. func.: ogf


{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 53, a(1) = 1042, a(2) = 3281

    }



------------------------------------------------------------------------------

Sequence:  A157618
Score: 9.12499
Type of gen. func.: lgdogf


                                   2
                              314 x  + 2394 x + 1042
                         - ----------------------------
                                3        2
                           314 x  + 569 x  - 830 x - 53



------------------------------------------------------------------------------

Sequence:  A157619
Score: 12.2561
Type of gen. func.: lgdogf


                                  -443 x - 807
                            - ---------------------
                                     2
                              -443 x  + 261 x + 182



------------------------------------------------------------------------------

Sequence:  A157619
Score: 13.6702
Type of gen. func.: ogf


                                50 (443 x + 182)
                                ----------------
```

$$(x - 1)^2$$

Sequence: A157619
Score: 16.2150
Type of gen. func.: revogf

$$-\frac{-4550 - x + 25 (33124 + 50 x)^{1/2}}{-22150 + x}$$

Sequence: A157619
Score: 23.2415
Type of gen. func.: lgdogf

$$-\frac{807 + 443 x}{(443 x + 182) (x - 1)}$$

Sequence: A157619
Score: 7.25357
Type of gen. func.: ogf

$$(25 f(x) + 423749) (f(x) x^2 - 2 f(x) x + f(x) - 22150 x - 9100)$$

Sequence: A157619
Score: 7.98709
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 9100, a(1) = 40350\}$$

Sequence: A157620
Score: 4.22442
Type of gen. func.: ogf

$$(7771478125 f(x) - 5107660444637421)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 392499 x^2 - f(x) + 1103752 x + 66249)$$

Sequence: A157620
Score: 4.95049
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 66249, a(1) = 1302499,

a(2) = 4101249}

Sequence: A157620
Score: 6.27389
Type of gen. func.: lgdogf

$$-\frac{392499 x^2 + 2992502 x + 1302499}{392499 x^3 + 711253 x^2 - 1037503 x - 66249}$$

Sequence: A157620
Score: 8.33767
Type of gen. func.: ogf

$$-\frac{392499 x^2 + 1103752 x + 66249}{(x - 1)^3}$$

Sequence: A157620
Score: 9.41362
Type of gen. func.: lgdogf

$$-\frac{392499 x^2 + 2992502 x + 1302499}{(x - 1) (392499 x^2 + 1103752 x + 66249)}$$

Sequence: A157621
Score: 11.0273
Type of gen. func.: ogf

$$-\frac{53 x^2 + 883 x + 314}{(x - 1)^3}$$

Sequence: A157621
Score: 15.5205
Type of gen. func.: lgdogf

$$-\frac{53 x^2 + 1872 x + 1825}{(x - 1) (53 x^2 + 883 x + 314)}$$

Sequence: A157621
Score: 5.01934
Type of gen. func.: ogf

$$(28604473437500 f(x) - 20476674145787301)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 53 x^2 - f(x) + 883 x + 314)$$

Sequence: A157621
Score: 6.06504
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 314, a(1) = 1825,$

$a(2) = 4586\}$

Sequence: A157621
Score: 9.33083
Type of gen. func.: lgdogf

$$-\frac{53 x^2 + 1872 x + 1825}{53 x^3 + 830 x^2 - 569 x - 314}$$

Sequence: A157622
Score: 12.1060
Type of gen. func.: lgdogf

$$-\frac{182 x + 1068}{182 x^2 + 261 x - 443}$$

Sequence: A157622
Score: 13.7356
Type of gen. func.: ogf

$$\frac{50 (182 x + 443)}{(x - 1)^2}$$

Sequence: A157622
Score: 15.9238
Type of gen. func.: revogf

$$- \frac{-11075 - x + 25 (196249 + 50 x)^{1/2}}{-9100 + x}$$

Sequence: A157622
Score: 22.6015
Type of gen. func.: lgdogf

$$- \frac{2 (534 + 91 x)}{(182 x + 443) (x - 1)}$$

Sequence: A157622
Score: 7.28828
Type of gen. func.: ogf

$$(25 f(x) + 586874) (f(x) x^2 - 2 f(x) x + f(x) - 9100 x - 22150)$$

Sequence: A157622
Score: 7.93613
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 22150, a(1) = 53400\}$$

Sequence: A157623
Score: 4.22985
Type of gen. func.: ogf

$(11441790625 f(x) - 10238349321012579)$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 66249 x^2 - f(x) + 1103752 x + 392499)$$

Sequence: A157623
Score: 4.98400
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 392499, a(1) = 2281249,$

$a(2) = 5732499\}$

Sequence: A157623
Score: 6.42936
Type of gen. func.: lgdogf

$$- \frac{66249 x^2 + 2340002 x + 2281249}{66249 x^3 + 1037503 x^2 - 711253 x - 392499}$$

Sequence: A157623
Score: 8.45968
Type of gen. func.: ogf

$$- \frac{66249 x^2 + 1103752 x + 392499}{(x - 1)^3}$$

Sequence: A157623
Score: 9.70111
Type of gen. func.: lgdogf

$$- \frac{66249 x^2 + 2340002 x + 2281249}{(x - 1) (66249 x^2 + 1103752 x + 392499)}$$

Sequence: A157626
Score: 10.2106
Type of gen. func.: lgdogf

$$-\frac{57 x^2 + 388 x + 155}{57 x^3 + 80 x^2 - 131 x - 6}$$

Sequence: A157626
Score: 11.6464
Type of gen. func.: ogf

$$-\frac{57 x^2 + 137 x + 6}{(x - 1)^3}$$

Sequence: A157626
Score: 17.4057
Type of gen. func.: lgdogf

$$-\frac{57 x^2 + 388 x + 155}{(x - 1) (57 x^2 + 137 x + 6)}$$

Sequence: A157626
Score: 5.52127
Type of gen. func.: ogf

$(12136120000 f(x) - 985507420749)$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 57 x^2 - f(x) + 137 x + 6)$$

Sequence: A157626
Score: 6.42562
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 6, a(1) = 155, a(2) = 504\}$

Sequence: A157627
Score: 12.8901
Type of gen. func.: lgdogf

$$-\frac{-151 x - 249}{-151 x^{2} + 102 x + 49}$$

Sequence: A157627
Score: 14.4066
Type of gen. func.: ogf

$$\frac{40 (151 x + 49)}{(x - 1)^{2}}$$

Sequence: A157627
Score: 18.0218
Type of gen. func.: revogf

$$-\frac{-980 - x + 20 (2401 + 20 x)^{1/2}}{-6040 + x}$$

Sequence: A157627
Score: 24.8577
Type of gen. func.: lgdogf

$$-\frac{249 + 151 x}{(151 x + 49) (x - 1)}$$

Sequence: A157627
Score: 7.6535
Type of gen. func.: ogf

$$(10 f(x) + 42401) (f(x) x^{2} - 2 f(x) x + f(x) - 6040 x - 1960)$$

Sequence: A157627
Score: 8.34928
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1960, a(1) = 9960\}$$

Sequence: A157628
Score: 10.4876
Type of gen. func.: lgdogf

$$-\frac{45601 x^{2} + 310398 x + 124001}{(x - 1) (45601 x^{2} + 109598 x + 4801)}$$

Sequence: A157628
Score: 4.4581
Type of gen. func.: ogf

$$(242722000 f(x) - 15767939054247)$$

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 45601 x^{2} - f(x) + 109598 x + 4801)$$

Sequence: A157628
Score: 5.13573
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 4801, a(1) = 124001,$

$a(2) = 403201\}$

Sequence: A157628
Score: 6.82943
Type of gen. func.: lgdogf

$$-\frac{45601 x^{2} + 310398 x + 124001}{45601 x^{3} + 63997 x^{2} - 104797 x - 4801}$$

Sequence: A157628
Score: 8.79405
Type of gen. func.: ogf

$$-\frac{45601 x^{2} + 109598 x + 4801}{(x - 1)^{3}}$$

Sequence: A157639
Score: 14.5176
Type of gen. func.: lgdogf

$$\frac{22 x^{23} - 23 x^{22} + 4 x^{5} - 5 x^{4} + 2 x^{3} - 3 x^{2} - 1}{(x - 1) (x^{23} + x^{5} + x^{3} + 1)}$$

Sequence: A157639
Score: 17.0913
Type of gen. func.: ogf

$$- \frac{x^{23} + x^{5} + x^{3} + 1}{x - 1}$$

Sequence: A157646
Score: 8.09159
Type of gen. func.: ogf

$$- \frac{(x - 1) (25 x^{4} + 56 x^{3} + 97 x^{2} + 56 x + 25)}{x^{6} - 6 x^{3} + 1}$$

Sequence: A157651
Score: 10.4519
Type of gen. func.: lgdogf

$$- \frac{6 x^{2} + 286 x + 308}{6 x^{3} + 131 x^{2} - 80 x - 57}$$

Sequence: A157651
Score: 11.7584
Type of gen. func.: ogf

$$- \frac{6 x^{2} + 137 x + 57}{3}$$

$$(x - 1)$$

Sequence: A157651
Score: 17.1676
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^2 + 143 x + 154)}{(x - 1) (6 x^2 + 137 x + 57)}$$

Sequence: A157651
Score: 5.61596
Type of gen. func.: ogf

$$(1770920000 f(x) - 209085696441)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 6 x^2 - f(x) + 137 x + 57)$$

Sequence: A157651
Score: 6.43196
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 57, a(1) = 308, a(2) = 759}

Sequence: A157652
Score: 13.2441
Type of gen. func.: lgdogf

$$-\frac{49 x + 351}{49 x^2 + 102 x - 151}$$

Sequence: A157652
Score: 14.5425
Type of gen. func.: ogf

$$\frac{40 (49 x + 151)}{(x - 1)^2}$$

Sequence: A157652
Score: 17.3287
Type of gen. func.: revogf

$$-\frac{-3020 - x + 20 (22801 + 20 x)^{1/2}}{-1960 + x}$$

Sequence: A157652
Score: 25.9931
Type of gen. func.: lgdogf

$$-\frac{49 x + 351}{(49 x + 151) (x - 1)}$$

Sequence: A157652
Score: 7.7257
Type of gen. func.: ogf

$$(10 f(x) + 62801) (f(x) x^2 - 2 f(x) x + f(x) - 1960 x - 6040)$$

Sequence: A157652
Score: 8.33335
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 6040, a(1) = 14040\}$$

Sequence: A157653
Score: 10.7731
Type of gen. func.: lgdogf

$$-\frac{4801 x^2 + 228798 x + 246401}{(x - 1) (4801 x^2 + 109598 x + 45601)}$$

Sequence: A157653
Score: 4.50224
Type of gen. func.: ogf

$$(389602000 f(x) - 36798652953753)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 4801 x^2 - f(x) + 109598 x + 45601)$$

Sequence: A157653
Score: 5.14541
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 45601, a(1) = 246401, a(2) = 607201\}$$

Sequence: A157653
Score: 6.97120
Type of gen. func.: lgdogf

$$-\frac{4801 x^2 + 228798 x + 246401}{4801 x^3 + 104797 x^2 - 63997 x - 45601}$$

Sequence: A157653
Score: 8.88112
Type of gen. func.: ogf

$$-\frac{4801 x^2 + 109598 x + 45601}{(x - 1)^3}$$

Sequence: A157659
Score: 13.4382
Type of gen. func.: ogf

$$-\frac{101 x + 99}{(x - 1)^3}$$

Sequence: A157659
Score: 13.6825
Type of gen. func.: lgdogf

$$-\frac{202 x + 398}{101 x^2 - 2 x - 99}$$

Sequence: A157659
Score: 23.8131
Type of gen. func.: lgdogf

$$-\frac{2 (199 + 101 x)}{(101 x + 99) (x - 1)}$$

Sequence: A157659
Score: 5.87921
Type of gen. func.: ogf

$$(23512120000 f(x) - 3190001620899)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 101 x + 99)$$

Sequence: A157659
Score: 6.43196
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 99, a(1) = 398, a(2) = 897}

Sequence: A157660
Score: 13.7346
Type of gen. func.: lgdogf

$$-\frac{x + 399}{x^2 + 198 x - 199}$$

Sequence: A157660
Score: 15.1361
Type of gen. func.: ogf

$$\frac{40 (x + 199)}{\quad\quad 2}$$

$$(x - 1)$$

Sequence: A157660
Score: 18.1951
Type of gen. func.: revogf

$$-\frac{-3980 - x + 20 (39601 + 20 x)^{1/2}}{-40 + x}$$

Sequence: A157660
Score: 33.0821
Type of gen. func.: lgdogf

$$-\frac{x + 399}{(x + 199) (x - 1)}$$

Sequence: A157660
Score: 7.89008
Type of gen. func.: ogf

$$(10 f(x) + 79601) (f(x) x^{2} - 2 f(x) x + f(x) - 40 x - 7960)$$

Sequence: A157660
Score: 8.33335
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 7960, a(1) = 15960\}$$

Sequence: A157661
Score: 13.2419
Type of gen. func.: lgdogf

$$-\frac{x^{2} + 161598 x + 318401}{(x - 1) (x^{2} + 80798 x + 79201)}$$

Sequence: A157661
Score: 4.63088
Type of gen. func.: ogf

$$(470242000 f(x) - 51039429763497)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 80798 x + 79201)$$

Sequence: A157661
Score: 5.14541
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 79201, a(1) = 318401,$$

$$a(2) = 717601\}$$

Sequence: A157661
Score: 7.62732
Type of gen. func.: lgdogf

$$-\frac{x^2 + 161598 x + 318401}{x^3 + 80797 x^2 - 1597 x - 79201}$$

Sequence: A157661
Score: 9.39597
Type of gen. func.: ogf

$$-\frac{x^2 + 80798 x + 79201}{(x - 1)^3}$$

Sequence: A157663
Score: 13.7346
Type of gen. func.: lgdogf

$$-\frac{-x + 401}{-x^2 + 202 x - 201}$$

Sequence: A157663
Score: 15.1361
Type of gen. func.: ogf

$$-\frac{40 (x - 201)}{(x - 1)^2}$$

Sequence: A157663
Score: 18.6617
Type of gen. func.: revogf

$$-\frac{-4020 - x + 20 (40401 + 20 x)^{1/2}}{40 + x}$$

Sequence: A157663
Score: 31.6437
Type of gen. func.: lgdogf

$$-\frac{-401 + x}{(x - 1) (x - 201)}$$

Sequence: A157663
Score: 7.89008
Type of gen. func.: ogf

$$(10 f(x) + 80401) (f(x) x^2 - 2 f(x) x + f(x) + 40 x - 8040)$$

Sequence: A157663
Score: 8.33335
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 8040, a(1) = 16040\}$$

Sequence: A157664
Score: 13.2419
Type of gen. func.: lgdogf

$$x^2 + 158398 x + 321601$$

```
                          - -------------------------------
                                            2
                            (x - 1) (x  + 79198 x + 80801)
```

Sequence: A157664
Score: 4.63088
Type of gen. func.: ogf

```
(473762000 f(x) - 51682634243503)

            3            2                2
    (f(x) x  - 3 f(x) x  + 3 f(x) x + x  - f(x) + 79198 x + 80801)
```

Sequence: A157664
Score: 5.14541
Type of gen. func.: ogf

```
{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 80801, a(1) = 321601,

    a(2) = 722401}
```

Sequence: A157664
Score: 7.62732
Type of gen. func.: lgdogf

```
                                  2
                                 x  + 158398 x + 321601
                          - -------------------------------
                               3          2
                              x  + 79197 x  + 1603 x - 80801
```

Sequence: A157664
Score: 9.39597
Type of gen. func.: ogf

```
                                   2
                                  x  + 79198 x + 80801
                               - --------------------
                                                3
                                       (x - 1)
```

Sequence: A157665
Score: 10.8110
Type of gen. func.: ogf

```
                                       2
```

$$-\frac{354 x + 1037 x + 67}{(x - 1)^{3}}$$

Sequence: A157665
Score: 14.4995
Type of gen. func.: lgdogf

$$-\frac{2 (177 x^{2} + 1391 x + 619)}{(x - 1) (354 x^{2} + 1037 x + 67)}$$

Sequence: A157665
Score: 4.96122
Type of gen. func.: ogf

$$(36403527810060 f(x) - 22531802522397337)$$

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 354 x^{2} - f(x) + 1037 x + 67)$$

Sequence: A157665
Score: 6.08689
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 67, a(1) = 1238, a(2) = 3867\}$$

Sequence: A157665
Score: 9.16886
Type of gen. func.: lgdogf

$$-\frac{354 x^{2} + 2782 x + 1238}{354 x^{3} + 683 x^{2} - 970 x - 67}$$

Sequence: A157666
Score: 12.6702
Type of gen. func.: lgdogf

$$-\frac{-508 x - 950}{-508 x^2 + 287 x + 221}$$

Sequence: A157666
Score: 14.1322
Type of gen. func.: ogf

$$\frac{27 (508 x + 221)}{(x - 1)^2}$$

Sequence: A157666
Score: 14.4228
Type of gen. func.: revogf

$$-\frac{-5967 - 2 x + 27 (48841 + 108 x)^{1/2}}{2 (-13716 + x)}$$

Sequence: A157666
Score: 22.5356
Type of gen. func.: lgdogf

$$-\frac{2 (475 + 254 x)}{(508 x + 221) (x - 1)}$$

Sequence: A157666
Score: 7.49871
Type of gen. func.: ogf

$$(27 f(x) + 290141) (f(x) x^2 - 2 f(x) x + f(x) - 13716 x - 5967)$$

Sequence: A157666
Score: 8.25701
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 5967, a(1) = 25650\}$$

Sequence: A157667
Score: 4.1698
Type of gen. func.: ogf

$$(2377917324 f(x) - 1072944837011293)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 258065 x^2 - f(x) + 755975 x + 48842)$$

Sequence: A157667
Score: 4.89212
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 48842, a(1) = 902501,$$

$$a(2) = 2819042\}$$

Sequence: A157667
Score: 6.27575
Type of gen. func.: lgdogf

$$- \frac{258065 x^2 + 2028080 x + 902501}{258065 x^3 + 497910 x^2 - 707133 x - 48842}$$

Sequence: A157667
Score: 8.28399
Type of gen. func.: ogf

$$- \frac{258065 x^2 + 755975 x + 48842}{(x - 1)^3}$$

Sequence: A157667
Score: 9.51461
Type of gen. func.: lgdogf

$$- \frac{258065 x^2 + 2028080 x + 902501}{(x - 1) (258065 x^2 + 755975 x + 48842)}$$

Sequence: A157668
Score: 10.8628
Type of gen. func.: ogf

$$-\frac{67 x^2 + 1037 x + 354}{(x - 1)^3}$$

Sequence: A157668
Score: 15.1903
Type of gen. func.: lgdogf

$$-\frac{67 x^2 + 2208 x + 2099}{(x - 1) (67 x^2 + 1037 x + 354)}$$

Sequence: A157668
Score: 4.98496
Type of gen. func.: ogf

$$(52414841779452 f(x) - 43415566337697191)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 67 x^2 - f(x) + 1037 x + 354)$$

Sequence: A157668
Score: 6.06504
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 354, a(1) = 2099,$$

$$a(2) = 5302\}$$

Sequence: A157668
Score: 9.33083
Type of gen. func.: lgdogf

$$-\frac{67 x^2 + 2208 x + 2099}{67 x^3 + 970 x^2 - 683 x - 354}$$

Sequence: A157669
Score: 11.9907
Type of gen. func.: lgdogf

$$-\frac{221 x + 1237}{221 x^2 + 287 x - 508}$$

Sequence: A157669
Score: 13.6048
Type of gen. func.: ogf

$$\frac{27 (221 x + 508)}{(x - 1)^2}$$

Sequence: A157669
Score: 16.5201
Type of gen. func.: revogf

$$-\frac{-6858 - x + 27 (64516 + 27 x)^{1/2}}{-5967 + x}$$

Sequence: A157669
Score: 22.3821
Type of gen. func.: lgdogf

$$-\frac{221 x + 1237}{(221 x + 508) (x - 1)}$$

Sequence: A157669
Score: 7.21887
Type of gen. func.: ogf

$$(54 f(x) + 789505) (f(x) x^2 - 2 f(x) x + f(x) - 5967 x - 13716)$$

Sequence: A157669
Score: 7.86056
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 13716, a(1) = 33399\}$$

Sequence: A157670
Score: 4.23203
Type of gen. func.: ogf

$$(3423793212 f(x) - 2067411557277443)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 48842 x^2 - f(x) + 755975 x + 258065)$$

Sequence: A157670
Score: 4.88816
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 258065, a(1) = 1530170,$$

$$a(2) = 3865157\}$$

Sequence: A157670
Score: 6.36941
Type of gen. func.: lgdogf

$$-\frac{48842 x^2 + 1609634 x + 1530170}{48842 x^3 + 707133 x^2 - 497910 x - 258065}$$

Sequence: A157670
Score: 8.40763
Type of gen. func.: ogf

$$-\frac{48842 x^2 + 755975 x + 258065}{(x - 1)^3}$$

Sequence: A157670
Score: 9.65950
Type of gen. func.: lgdogf

$$-\frac{2\,(24421\,x^2 + 804817\,x + 765085)}{(x - 1)\,(48842\,x^2 + 755975\,x + 258065)}$$

Sequence: A157674
Score: 13.1481
Type of gen. func.: lgdogf

$$\frac{4\,x^2 + x\,(4\,x^2 + 1)^{1/2} + 1}{(3\,x^2 + 1)\,(4\,x^2 + 1)^{3/2}}$$

Sequence: A157674
Score: 8.07635
Type of gen. func.: ogf

$$3\,f(x)^2\,x^2 - 8\,f(x)\,x^2 + f(x)^2 + 4\,x^2 - 2\,f(x) + 1$$

Sequence: A157681
Score: 10.4895
Type of gen. func.: lgdogf

$$-\frac{-2\,x^2 - 58\,x - 31}{-2\,x^3 - 31\,x^2 - 27\,x + 29}$$

Sequence: A157681
Score: 15.7343
Type of gen. func.: ogf

$$-\frac{2\,x + 29}{x^2 + x - 1}$$

Sequence: A157681
Score: 17.7448
Type of gen. func.: revogf

$$\frac{-29 - x + (5 x^2 + 66 x + 841)^{1/2}}{2 (x + 2)}$$

Sequence: A157681
Score: 20.2798
Type of gen. func.: lgdogf

$$- \frac{2 x^2 + 58 x + 31}{(2 x + 29) (x^2 + x - 1)}$$

Sequence: A157681
Score: 7.69976
Type of gen. func.: ogf

$$-(89 f(x) - 1620) (f(x) x^2 + f(x) x - f(x) + 2 x + 29)$$

Sequence: A157681
Score: 8.61640
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 29, a(1) = 31\}$$

Sequence: A157706
Score: 5.98427
Type of gen. func.: ogf

$$- \frac{7 x^2 + 26 x + 7}{(x - 1)^7}$$

Sequence: A157706
Score: 8.37797
Type of gen. func.: lgdogf

$$35 x^2 + 170 x + 75$$

$$-\frac{}{7 x^3 + 19 x^2 - 19 x - 7}$$

Sequence: A157707
Score: 10.1815
Type of gen. func.: lgdogf

$$-\frac{5 (4 x^3 + 69 x^2 + 138 x + 41)}{(x - 1) (5 x + 1) (x^2 + 13 x + 16)}$$

Sequence: A157707
Score: 5.20847
Type of gen. func.: ogf

$$-\frac{(5 x + 1) (x^2 + 13 x + 16)}{(x - 1)^7}$$

Sequence: A157708
Score: 4.53197
Type of gen. func.: ogf

$$-\frac{x^4 + 42 x^3 + 171 x^2 + 128 x + 18}{(x - 1)^7}$$

Sequence: A157708
Score: 7.41919
Type of gen. func.: lgdogf

$$-\frac{3 x^4 + 172 x^3 + 981 x^2 + 1110 x + 254}{(x - 1) (x^4 + 42 x^3 + 171 x^2 + 128 x + 18)}$$

Sequence: A157713
Score: 4.18609
Type of gen. func.: ogf

$$\{(-16 n^2 - 80 n - 84) a(n + 1) + (n + 3) a(n + 2), a(0) = 1, a(1) = 10\}$$

Sequence: A157713
Score: 9.71174
Type of gen. func.: egf]

$$\mathrm{hypergeom}([1/2, 5/2], [2], 16 x)$$

Sequence: A157716
Score: 10.2259
Type of gen. func.: lgdogf

$$-\frac{-45 x^3 - 23 x^2 - 107 x - 17}{-15 x^4 - 2 x^3 + 2 x + 15}$$

Sequence: A157716
Score: 15.0256
Type of gen. func.: lgdogf

$$-\frac{45 x^3 + 23 x^2 + 107 x + 17}{(x - 1) (x + 1) (15 x^2 + 2 x + 15)}$$

Sequence: A157716
Score: 9.73305
Type of gen. func.: ogf

$$-\frac{x (15 x^2 + 2 x + 15)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A157725
Score: 15.6951
Type of gen. func.: ogf

$$(x + 1) (3 x - 2)$$

$$- \frac{\qquad}{(x - 1) (x^2 + x - 1)}$$

Sequence: A157725
Score: 16.3397
Type of gen. func.: lgdogf

$$- \frac{3 x^4 + 2 x^3 - 6 x + 3}{(x - 1) (3 x - 2) (x + 1) (x^2 + x - 1)}$$

Sequence: A157725
Score: 8.75621
Type of gen. func.: ogf

$$(5 f(x) + 107) (f(x) x^3 - 2 f(x) x + 3 x^2 + f(x) + x - 2)$$

Sequence: A157725
Score: 8.84936
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n), a(0) = 2, a(1) = 3, a(2) = 3\}$$

Sequence: A157725
Score: 9.45273
Type of gen. func.: lgdogf

$$- \frac{3 x^4 + 2 x^3 - 6 x + 3}{3 x^5 + x^4 - 8 x^3 + x^2 + 5 x - 2}$$

Sequence: A157726
Score: 15.1294
Type of gen. func.: lgdogf

$$- \frac{4 x^4 + 4 x^3 - x^2 - 8 x + 4}{(x - 1) (4 x^2 + 2 x - 3) (x^2 + x - 1)}$$

Sequence: A157726
Score: 15.6951
Type of gen. func.: ogf

$$-\frac{4 x^{2} + 2 x - 3}{(x - 1) (x^{2} + x - 1)}$$

Sequence: A157726
Score: 8.75621
Type of gen. func.: ogf

$$(7 f(x) + 379) (f(x) x^{3} - 2 f(x) x + 4 x^{2} + f(x) + 2 x - 3)$$

Sequence: A157726
Score: 8.84936
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n), a(0) = 3, a(1) = 4, a(2) = 4\}$$

Sequence: A157726
Score: 9.34652
Type of gen. func.: lgdogf

$$-\frac{-4 x^{4} - 4 x^{3} + x^{2} + 8 x - 4}{-4 x^{5} - 2 x^{4} + 11 x^{3} - 8 x + 3}$$

Sequence: A157727
Score: 11.7161
Type of gen. func.: ogf

$$-f(x) x^{3} + 2 f(x) x - 5 x^{2} - f(x) - 3 x + 4$$

Sequence: A157727

Score: 14.3331
Type of gen. func.: lgdogf

$$-\frac{5x^4+6x^3-2x^2-10x+5}{(x-1)(5x^2+3x-4)(x^2+x-1)}$$

Sequence: A157727
Score: 15.6951
Type of gen. func.: ogf

$$-\frac{5x^2+3x-4}{(x-1)(x^2+x-1)}$$

Sequence: A157727
Score: 8.40242
Type of gen. func.: lgdogf

$$-\frac{5x^4+6x^3-2x^2-10x+5}{5x^5+3x^4-14x^3-x^2+11x-4}$$

Sequence: A157727
Score: 8.84936
Type of gen. func.: ogf

$\{a(n+3)-2a(n+2)+a(n), a(0)=4, a(1)=5, a(2)=5\}$

Sequence: A157728
Score: 14.3341
Type of gen. func.: ogf

$$\frac{(x+1)^2}{(x-1)(x^2+x-1)}$$

Sequence: A157728

Score: 18.1798
Type of gen. func.: lgdogf

$$-\frac{x^3 + 3 x^2 + 2 x - 4}{(x - 1) (x + 1) (x^2 + x - 1)}$$

Sequence: A157728
Score: 7.9136
Type of gen. func.: ogf

$$(543 f(x) + 16) (f(x) x^3 - 2 f(x) x - x^2 + f(x) - 2 x - 1)$$

Sequence: A157728
Score: 8.08198
Type of gen. func.: ogf

{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 1, a(1) = 4, a(2) = 9}

Sequence: A157728
Score: 9.49632
Type of gen. func.: lgdogf

$$-\frac{x^3 + 3 x^2 + 2 x - 4}{x^4 + x^3 - 2 x^2 - x + 1}$$

Sequence: A157729
Score: 14.3982
Type of gen. func.: lgdogf

$$-\frac{6 x^4 + 8 x^3 - 3 x^2 - 12 x + 6}{(x - 1) (6 x^2 + 4 x - 5) (x^2 + x - 1)}$$

Sequence: A157729
Score: 15.7652
Type of gen. func.: ogf

$$-\frac{6x^2+4x-5}{(x-1)(x^2+x-1)}$$

Sequence: A157729
Score: 8.43993
Type of gen. func.: lgdogf

$$-\frac{-6x^4-8x^3+3x^2+12x-6}{-6x^5-4x^4+17x^3+2x^2-14x+5}$$

Sequence: A157729
Score: 8.61396
Type of gen. func.: ogf

$$(11 f(x) + 2141) (f(x) x^3 - 2 f(x) x + 6 x^2 + f(x) + 4 x - 5)$$

Sequence: A157729
Score: 8.88886
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n), a(0) = 5, a(1) = 6, a(2) = 6\}$$

Sequence: A157730
Score: 11.1782
Type of gen. func.: ogf

$$-\frac{135x^2+659x+88}{(x-1)^3}$$

Sequence: A157730
Score: 15.7343
Type of gen. func.: lgdogf

$$135 x^2 + 1588 x + 923$$

```
                        - -----------------------------
                                        2
                          (x - 1) (135 x  + 659 x + 88)
```

Sequence: A157730
Score: 5.15918
Type of gen. func.: ogf

```
(5613573486780 f(x) - 2347401311190121)

           3            2                     2
    (f(x) x  - 3 f(x) x  + 3 f(x) x + 135 x  - f(x) + 659 x + 88)
```

Sequence: A157730
Score: 6.25224
Type of gen. func.: ogf

```
{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 88, a(1) = 923, a(2) = 2640}
```

Sequence: A157730
Score: 9.45851
Type of gen. func.: lgdogf

```
                                   2
                              135 x  + 1588 x + 923
                         - -----------------------------
                                3        2
                           135 x  + 524 x  - 571 x - 88
```

Sequence: A157731
Score: 12.8925
Type of gen. func.: lgdogf

```
                                   244 x + 638
                             - -------------------
                                    2
                               244 x  - 47 x - 197
```

Sequence: A157731
Score: 14.1322
Type of gen. func.: ogf

```
                                42 (244 x + 197)
                                ----------------
                                           2
                                    (x - 1)
```

Sequence: A157731
Score: 16.7706
Type of gen. func.: revogf

$$-\frac{-4137 - x + 21 (38809 + 42 x)^{1/2}}{-10248 + x}$$

Sequence: A157731
Score: 22.5356
Type of gen. func.: lgdogf

$$-\frac{2 (319 + 122 x)}{(244 x + 197) (x - 1)}$$

Sequence: A157731
Score: 7.49871
Type of gen. func.: ogf

$$(21 f(x) + 233290) (f(x) x^2 - 2 f(x) x + f(x) - 10248 x - 8274)$$

Sequence: A157731
Score: 8.25701
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 8274, a(1) = 26796\}$$

Sequence: A157732
Score: 4.1562
Type of gen. func.: ogf

$$(1060765671 f(x) - 391232613018899)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 119071 x^2 - f(x) + 581236 x + 77617)$$

Sequence: A157732
Score: 4.84344

Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 77617, a(1) = 814087,

a(2) = 2328481}

Sequence: A157732
Score: 6.21330
Type of gen. func.: lgdogf

$$-\frac{119071 x^2 + 1400614 x + 814087}{119071 x^3 + 462165 x^2 - 503619 x - 77617}$$

Sequence: A157732
Score: 8.20156
Type of gen. func.: ogf

$$-\frac{119071 x^2 + 581236 x + 77617}{(x - 1)^3}$$

Sequence: A157732
Score: 9.41801
Type of gen. func.: lgdogf

$$-\frac{119071 x^2 + 1400614 x + 814087}{(x - 1) (119071 x^2 + 581236 x + 77617)}$$

Sequence: A157734
Score: 10.8173
Type of gen. func.: ogf

$$-\frac{88 x^2 + 659 x + 135}{(x - 1)^3}$$

Sequence: A157734
Score: 15.2191
Type of gen. func.: lgdogf

$$-\frac{2\,(44\,x^2 + 747\,x + 532)}{(x - 1)\,(88\,x^2 + 659\,x + 135)}$$

Sequence: A157734
Score: 4.9926
Type of gen. func.: ogf

$$(6194038593708\,f(x) - 2805174774259511)$$

$$(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 88\,x^2 - f(x) + 659\,x + 135)$$

Sequence: A157734
Score: 5.94952
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 135,\ a(1) = 1064,$$

$$a(2) = 2875\}$$

Sequence: A157734
Score: 9.15310
Type of gen. func.: lgdogf

$$-\frac{88\,x^2 + 1494\,x + 1064}{88\,x^3 + 571\,x^2 - 524\,x - 135}$$

Sequence: A157735
Score: 12.4114
Type of gen. func.: lgdogf

$$-\frac{197\,x + 685}{197\,x^2 + 47\,x - 244}$$

Sequence: A157735
Score: 13.6048
Type of gen. func.: ogf

$$\frac{42\,(197\,x + 244)}{(x - 1)^2}$$

Sequence: A157735
Score: 16.5201
Type of gen. func.: revogf

$$-\frac{-5124 - x + 21\,(59536 + 42\,x)^{1/2}}{-8274 + x}$$

Sequence: A157735
Score: 23.1282
Type of gen. func.: lgdogf

$$-\frac{197\,x + 685}{(197\,x + 244)\,(x - 1)}$$

Sequence: A157735
Score: 7.21887
Type of gen. func.: ogf

$$(21\,f(x) + 254017)\,(f(x)\,x^2 - 2\,f(x)\,x + f(x) - 8274\,x - 10248)$$

Sequence: A157735
Score: 7.86056
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\,a(n + 1) - a(n),\ a(0) = 10248,\ a(1) = 28770\}$$

Sequence: A157736
Score: 4.17708
Type of gen. func.: ogf

$$(1170452955\,f(x) - 467528004303373)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 77617 x^2 - f(x) + 581236 x + 119071)$$

Sequence: A157736
Score: 4.82975
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 119071, a(1) = 938449,$

$a(2) = 2535751\}$

Sequence: A157736
Score: 6.30824
Type of gen. func.: lgdogf

$$- \frac{77617 x^2 + 1317706 x + 938449}{77617 x^3 + 503619 x^2 - 462165 x - 119071}$$

Sequence: A157736
Score: 8.24277
Type of gen. func.: ogf

$$- \frac{77617 x^2 + 581236 x + 119071}{(x - 1)^3}$$

Sequence: A157736
Score: 9.61657
Type of gen. func.: lgdogf

$$- \frac{77617 x^2 + 1317706 x + 938449}{(x - 1) (77617 x^2 + 581236 x + 119071)}$$

Sequence: A157737
Score: 12.5861
Type of gen. func.: ogf

$$443 x + 439$$

$$-\frac{}{(x-1)^3}$$

Sequence: A157737
Score: 12.5861
Type of gen. func.: lgdogf

$$-\frac{886\,x+1760}{443\,x^2-4\,x-439}$$

Sequence: A157737
Score: 21.9858
Type of gen. func.: lgdogf

$$-\frac{2\,(880+443\,x)}{(443\,x+439)\,(x-1)}$$

Sequence: A157737
Score: 5.35379
Type of gen. func.: ogf

$$(8911109306988\,f(x)-5339071938058015)$$

$$(f(x)\,x^3-3\,f(x)\,x^2+3\,f(x)\,x-f(x)+443\,x+439)$$

Sequence: A157737
Score: 5.97840
Type of gen. func.: ogf

$$\{a(n+3)-3\,a(n+2)+3\,a(n+1)-a(n),\ a(0)=439,\ a(1)=1760,$$

$$a(2)=3963\}$$

Sequence: A157738
Score: 13.1009
Type of gen. func.: lgdogf

$$-\frac{x+881}{x^2+439\,x-440}$$

Sequence: A157738
Score: 14.1490
Type of gen. func.: ogf

$$\frac{42 (x + 440)}{(x - 1)^2}$$

Sequence: A157738
Score: 16.9230
Type of gen. func.: revogf

$$- \frac{-9240 - x + 21 (193600 + 42 x)^{1/2}}{-42 + x}$$

Sequence: A157738
Score: 31.5384
Type of gen. func.: lgdogf

$$- \frac{x + 881}{(x + 440) (x - 1)}$$

Sequence: A157738
Score: 7.36926
Type of gen. func.: ogf

$$(21 f(x) + 388081) (f(x) x^2 - 2 f(x) x + f(x) - 42 x - 18480)$$

Sequence: A157738
Score: 7.86056
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 18480, a(1) = 37002\}$$

Sequence: A157739
Score: 11.9399

Type of gen. func.: lgdogf

$$-\frac{x^2 + 781450 x + 1552321}{(x - 1) (x^2 + 390724 x + 387199)}$$

Sequence: A157739
Score: 4.31458
Type of gen. func.: ogf

$$(1683882795 f(x) - 889843185072029)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 390724 x + 387199)$$

Sequence: A157739
Score: 4.81627
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 387199, a(1) = 1552321,$$

$$a(2) = 3495367\}$$

Sequence: A157739
Score: 7.06022
Type of gen. func.: lgdogf

$$-\frac{x^2 + 781450 x + 1552321}{x^3 + 390723 x^2 - 3525 x - 387199}$$

Sequence: A157739
Score: 8.75069
Type of gen. func.: ogf

$$-\frac{x^2 + 390724 x + 387199}{(x - 1)^3}$$

Sequence: A157740

Score: 13.1009
Type of gen. func.: lgdogf

$$-\frac{-x + 883}{-x^2 + 443 x - 442}$$

Sequence: A157740
Score: 14.1490
Type of gen. func.: ogf

$$-\frac{42 (x - 442)}{(x - 1)^2}$$

Sequence: A157740
Score: 17.3461
Type of gen. func.: revogf

$$-\frac{-9282 - x + 21 (195364 + 42 x)^{1/2}}{42 + x}$$

Sequence: A157740
Score: 30.1672
Type of gen. func.: lgdogf

$$-\frac{-883 + x}{(x - 1) (x - 442)}$$

Sequence: A157740
Score: 7.36926
Type of gen. func.: ogf

$$(21 f(x) + 389845) (f(x) x^2 - 2 f(x) x + f(x) + 42 x - 18564)$$

Sequence: A157740
Score: 7.86056
Type of gen. func.: ogf

$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 18564, a(1) = 37086\}$

Sequence: A157741
Score: 11.9399
Type of gen. func.: lgdogf

$$-\frac{x^{2} + 774394 x + 1559377}{(x - 1) (x^{2} + 387196 x + 390727)}$$

Sequence: A157741
Score: 4.31458
Type of gen. func.: ogf

$$(1689587571 f(x) - 894911455487029)$$

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + x^{2} - f(x) + 387196 x + 390727)$$

Sequence: A157741
Score: 4.81627
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 390727, a(1) = 1559377,$

$a(2) = 3505951\}$

Sequence: A157741
Score: 7.06022
Type of gen. func.: lgdogf

$$-\frac{x^{2} + 774394 x + 1559377}{x^{3} + 387195 x^{2} + 3531 x - 390727}$$

Sequence: A157741
Score: 8.75069
Type of gen. func.: ogf

$$-\frac{x^{2} + 387196 x + 390727}{}$$

$$(x - 1)^{3}$$

Sequence: A157746
Score: 11.9801
Type of gen. func.: ogf

$$\frac{1}{x^{11} + x^{10} + x^{6} + x^{5} + x^{4} + x^{2} + 1}$$

Sequence: A157746
Score: 13.7610
Type of gen. func.: lgdogf

$$-\frac{x\,(11\,x^{9} + 10\,x^{8} + 6\,x^{4} + 5\,x^{3} + 4\,x^{2} + 2)}{x^{11} + x^{10} + x^{6} + x^{5} + x^{4} + x^{2} + 1}$$

Sequence: A157748
Score: 7.52553
Type of gen. func.: lgdogf

$$-\frac{11\,x^{10} - 10\,x^{9} - 14\,x^{6} + 6\,x^{5} + 5\,x^{4} + 4\,x^{3} + 2\,x - 2}{x^{11} - x^{10} - 2\,x^{7} + x^{6} + x^{5} + x^{4} + x^{2} - 2\,x - 1}$$

Sequence: A157748
Score: 7.66807
Type of gen. func.: ogf

$$-\frac{1}{x^{11} - x^{10} - 2\,x^{7} + x^{6} + x^{5} + x^{4} + x^{2} - 2\,x - 1}$$

Sequence: A157757
Score: 12.6754
Type of gen. func.: lgdogf

^{2}

$$-\frac{2\,(949\,x + 5529\,x + 1949)}{(x - 1)\,(1898\,x^{2} + 3631\,x + 89)}$$

Sequence: A157757
Score: 4.34063
Type of gen. func.: ogf

$$(7032219462821516\,f(x) - 152544638626444404559)$$

$$(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x + 1898\,x^{2} - f(x) + 3631\,x + 89)$$

Sequence: A157757
Score: 5.49813
Type of gen. func.: ogf

$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 89,\ a(1) = 3898,$

$a(2) = 13325\}$

Sequence: A157757
Score: 7.85448
Type of gen. func.: lgdogf

$$-\frac{1898\,x^{2} + 11058\,x + 3898}{1898\,x^{3} + 1733\,x^{2} - 3542\,x - 89}$$

Sequence: A157757
Score: 9.70259
Type of gen. func.: ogf

$$-\frac{1898\,x^{2} + 3631\,x + 89}{(x - 1)^{3}}$$

Sequence: A157758
Score: 10.2796
Type of gen. func.: lgdogf

$$-\frac{-2309 x - 3309}{-2309 x^2 + 1809 x + 500}$$

Sequence: A157758
Score: 11.8026
Type of gen. func.: ogf

$$\frac{106 (2309 x + 500)}{(x - 1)^2}$$

Sequence: A157758
Score: 13.2864
Type of gen. func.: revogf

$$-\frac{-26500 - x + 53 (250000 + 106 x)^{1/2}}{-244754 + x}$$

Sequence: A157758
Score: 18.9231
Type of gen. func.: lgdogf

$$-\frac{3309 + 2309 x}{(2309 x + 500) (x - 1)}$$

Sequence: A157758
Score: 6.31027
Type of gen. func.: ogf

$$(53 f(x) + 8140481) (f(x) x^2 - 2 f(x) x + f(x) - 244754 x - 53000)$$

Sequence: A157758
Score: 7.00371
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 53000, a(1) = 350754\}$$

```
-------------------------------------------------------------------------------

Sequence:  A157759
Score: 3.95663
Type of gen. func.: ogf


(625865034349 f(x) - 7627232364465067389)

           3            2                           2
    (f(x) x  - 3 f(x) x  + 3 f(x) x + 10662963 x  - f(x) + 20398960 x + 500001)



-------------------------------------------------------------------------------

Sequence:  A157759
Score: 4.80231
Type of gen. func.: ogf


{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 500001, a(1) = 21898963,

    a(2) = 74859849}



-------------------------------------------------------------------------------

Sequence:  A157759
Score: 7.86379
Type of gen. func.: ogf


                                  2
                        10662963 x  + 20398960 x + 500001
                      - ---------------------------------
                                           3
                                    (x - 1)



-------------------------------------------------------------------------------

Sequence:  A157759
Score: 8.33946
Type of gen. func.: lgdogf


                                 2
                       10662963 x  + 62123846 x + 21898963
                 - -------------------------------------------
                                      2
                   (x - 1) (10662963 x  + 20398960 x + 500001)



-------------------------------------------------------------------------------

Sequence:  A157760
Score: 13.6065
Type of gen. func.: lgdogf


                                  2
                              89 x  + 7440 x + 9325
                       - --------------------------------
                                      2
                         (x - 1) (89 x  + 3631 x + 1898)
```

Sequence: A157760
Score: 4.47276
Type of gen. func.: ogf

$$(102447575035852 f(x) - 354345106288410021)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 89 x^2 - f(x) + 3631 x + 1898)$$

Sequence: A157760
Score: 5.46262
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1898, a(1) = 9325,$$

$$a(2) = 22370\}$$

Sequence: A157760
Score: 8.22765
Type of gen. func.: lgdogf

$$- \frac{89 x^2 + 7440 x + 9325}{89 x^3 + 3542 x^2 - 1733 x - 1898}$$

Sequence: A157760
Score: 9.80059
Type of gen. func.: ogf

$$- \frac{89 x^2 + 3631 x + 1898}{(x - 1)^3}$$

Sequence: A157761
Score: 10.5537
Type of gen. func.: lgdogf

$$- \frac{500 x + 5118}{500 x^2 + 1809 x - 2309}$$

Sequence: A157761
Score: 11.9218
Type of gen. func.: ogf

$$\frac{106\,(500\,x + 2309)}{(x - 1)^2}$$

Sequence: A157761
Score: 13.1438
Type of gen. func.: revogf

$$-\frac{-122377 - x + 53\,(5331481 + 106\,x)^{1/2}}{-53000 + x}$$

Sequence: A157761
Score: 18.5559
Type of gen. func.: lgdogf

$$-\frac{2\,(2559 + 250\,x)}{(500\,x + 2309)\,(x - 1)}$$

Sequence: A157761
Score: 6.31152
Type of gen. func.: ogf

$$(53\,f(x) + 13221962)\,(f(x)\,x^2 - 2\,f(x)\,x + f(x) - 53000\,x - 244754)$$

Sequence: A157761
Score: 6.99757
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\,a(n + 1) - a(n),\ a(0) = 244754,\ a(1) = 542508\}$$

Sequence: A157762
Score: 3.74073
Type of gen. func.: ogf

$$(162817816999 f(x) - 3163795778970725877)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 500001 x^2 - f(x) + 20398960 x + 10662963)$$

Sequence: A157762
Score: 4.43863
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 10662963, a(1) = 52387849, a(2) = 125674659\}$$

Sequence: A157762
Score: 7.43471
Type of gen. func.: ogf

$$-\frac{500001 x^2 + 20398960 x + 10662963}{(x - 1)^3}$$

Sequence: A157762
Score: 8.09721
Type of gen. func.: lgdogf

$$-\frac{500001 x^2 + 41797922 x + 52387849}{(x - 1) (500001 x^2 + 20398960 x + 10662963)}$$

Sequence: A157765
Score: 10.5758
Type of gen. func.: lgdogf

$$-\frac{7 x^2 - 14 x - 9}{7 x^3 + 3 x^2 - 11 x + 1}$$

Sequence: A157765
Score: 15.1740
Type of gen. func.: ogf

$$\frac{2 (x - 1)}{7 x^2 + 10 x - 1}$$

Sequence: A157765
Score: 18.0532
Type of gen. func.: revogf

$$\frac{-1 - 5 x + (32 x^2 + 8 x + 1)^{1/2}}{-2 + 7 x}$$

Sequence: A157765
Score: 18.5411
Type of gen. func.: lgdogf

$$- \frac{7 x^2 - 14 x - 9}{(x - 1) (7 x^2 + 10 x - 1)}$$

Sequence: A157765
Score: 7.58702
Type of gen. func.: ogf

$$-(52 f(x) - 23) (7 f(x) x^2 + 10 f(x) x - f(x) - 2 x + 2)$$

Sequence: A157765
Score: 8.30958
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) + 7 a(n), a(0) = 2, a(1) = 18\}$$

Sequence: A157768
Score: 11.5157
Type of gen. func.: lgdogf

$$- \frac{2 (7056 x^2 + 52315 x + 22304)}{}$$

$$(x - 1) (14112 x^2 + 38203 x + 2135)$$

Sequence: A157768
Score: 4.12692
Type of gen. func.: ogf

$$(69152217452919067500 f(x) - 1570279916649843040592543)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 14112 x^2 - f(x) + 38203 x + 2135)$$

Sequence: A157768
Score: 5.49148
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2135, a(1) = 44608,$$

$$a(2) = 141531\}$$

Sequence: A157768
Score: 7.40155
Type of gen. func.: lgdogf

$$- \frac{14112 x^2 + 104630 x + 44608}{14112 x^3 + 24091 x^2 - 36068 x - 2135}$$

Sequence: A157768
Score: 9.45754
Type of gen. func.: ogf

$$- \frac{14112 x^2 + 38203 x + 2135}{(x - 1)^3}$$

Sequence: A157769
Score: 11.4423
Type of gen. func.: ogf

$$\frac{330 (19601 x + 7624)}{}$$

$$(x - 1)^{2}$$

Sequence: A157769
Score: 12.0726
Type of gen. func.: revogf

$$-\frac{-1257960 - x + 165 (58125376 + 330 x)^{1/2}}{-6468330 + x}$$

Sequence: A157769
Score: 17.2931
Type of gen. func.: lgdogf

$$-\frac{34849 + 19601 x}{(19601 x + 7624) (x - 1)}$$

Sequence: A157769
Score: 6.09542
Type of gen. func.: ogf

$$(165 f(x) + 799326001) (f(x) x^{2} - 2 f(x) x + f(x) - 6468330 x - 2515920)$$

Sequence: A157769
Score: 6.86536
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 2515920, a(1) = 11500170\}$$

Sequence: A157769
Score: 9.73446
Type of gen. func.: lgdogf

$$-\frac{-19601 x - 34849}{-19601 x^{2} + 11977 x + 7624}$$

Sequence: A157770
Score: 4.05073
Type of gen. func.: ogf

$$(211668862708875 f(x) - 261713319279615405290749) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 768398401 x^2 - f(x) + 2080153348 x + 116250751)$$

Sequence: A157770
Score: 5.07809
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 116250751, a(1) = 2428905601, a(2) = 7706362951\}$$

Sequence: A157770
Score: 8.14857
Type of gen. func.: ogf

$$- \frac{768398401 x^2 + 2080153348 x + 116250751}{(x - 1)^3}$$

Sequence: A157786
Score: 10.5520
Type of gen. func.: ogf

$$- \frac{2135 x^2 + 38203 x + 14112}{(x - 1)^3}$$

Sequence: A157786
Score: 13.3288
Type of gen. func.: lgdogf

$$- \frac{2135 x^2 + 80676 x + 80539}{(x - 1) (2135 x^2 + 38203 x + 14112)}$$

Sequence: A157786
Score: 4.57676
Type of gen. func.: ogf

$$(1039550191485233317500 f(x) - 3265755593908588015357057) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 2135 x^2 - f(x) + 38203 x + 14112)$$

Sequence: A157786
Score: 6.07794
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 14112, a(1) = 80539, a(2) = 201416\}$$

Sequence: A157787
Score: 11.4423
Type of gen. func.: ogf

$$\frac{330 (7624 x + 19601)}{(x - 1)^2}$$

Sequence: A157787
Score: 11.8490
Type of gen. func.: revogf

$$- \frac{-3234165 - x + 165 (384199201 + 330 x)^{1/2}}{-2515920 + x}$$

Sequence: A157787
Score: 16.8380
Type of gen. func.: lgdogf

$$- \frac{2 (23413 + 3812 x)}{(7624 x + 19601) (x - 1)}$$

Sequence: A157787

Score: 6.03898
Type of gen. func.: ogf

$$(165 f(x) + 1125399826) (f(x) x^2 - 2 f(x) x + f(x) - 2515920 x - 6468330)$$

Sequence: A157787
Score: 6.86536
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 6468330, a(1) = 15452580\}$$

Sequence: A157788
Score: 3.48829
Type of gen. func.: ogf

$$(318197181336375 f(x) - 544292598641660555697251) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 116250751 x^2 - f(x) + 2080153348 x + 768398401)$$

Sequence: A157788
Score: 4.34154
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 768398401, a(1) = 4385348551, a(2) = 10967101201\}$$

Sequence: A157788
Score: 7.01714
Type of gen. func.: ogf

$$- \frac{116250751 x^2 + 2080153348 x + 768398401}{(x - 1)^3}$$

Sequence: A157791
Score: 11.7980
Type of gen. func.: ogf

2

$- (x - x + 1)$

$$(x^{23} + x^{22} - x^{20} - x^{19} + x^{17} + x^{16} - x^{14} - x^{13} + x^{11} + x^{10} + x^{2} + x + 1)/(x - 1)$$

Sequence: A157792
Score: 7.24032
Type of gen. func.: ogf

$$\frac{x^{11} - x^{9} - x^{7} + x^{6} - x^{5} + x^{4} - x^{3} + x^{2} + 1}{(x^{2} + x + 1)\,(x - 1)^{2}}$$

Sequence: A157796
Score: 11.1249
Type of gen. func.: lgdogf

$$- \frac{2\,(672\,x^{2} + 37979\,x + 43024)}{(x - 1)\,(1344\,x^{2} + 36635\,x + 16471)}$$

Sequence: A157796
Score: 3.89755
Type of gen. func.: ogf

$$(109037914207515067500\,f(x) - 355625593586422588766207)$$

$$(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x + 1344\,x^{2} - f(x) + 36635\,x + 16471)$$

Sequence: A157796
Score: 5.17596
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 16471,\ a(1) = 86048,\ a(2) = 210075\}$$

Sequence: A157796
Score: 8.98604
Type of gen. func.: ogf

$$-\frac{1344 x^2 + 36635 x + 16471}{(x-1)^3}$$

Sequence: A157797
Score: 11.4423
Type of gen. func.: ogf

$$\frac{330 (6049 x + 21176)}{(x-1)^2}$$

Sequence: A157797
Score: 11.8490
Type of gen. func.: revogf

$$-\frac{-3494040 - x + 165 (448422976 + 330 x)^{1/2}}{-1996170 + x}$$

Sequence: A157797
Score: 17.7735
Type of gen. func.: lgdogf

$$-\frac{48401 + 6049 x}{(6049 x + 21176) (x - 1)}$$

Sequence: A157797
Score: 6.03898
Type of gen. func.: ogf

$$(165 f(x) + 1189623601) (f(x) x^2 - 2 f(x) x + f(x) - 1996170 x - 6988080)$$

Sequence: A157797
Score: 6.86536
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 6988080, a(1) = 15972330\}$$

Sequence: A157798
Score: 3.50857
Type of gen. func.: ogf

$$(333755476588875 f(x) - 592709322270707059181501) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 73180801 x^2 - f(x) + 1994775748 x + 896845951)$$

Sequence: A157798
Score: 4.34154
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 896845951, a(1) = 4685313601, a(2) = 11438583751\}$$

Sequence: A157798
Score: 7.09969
Type of gen. func.: ogf

$$-\frac{73180801 x^2 + 1994775748 x + 896845951}{(x - 1)^3}$$

Sequence: A157802
Score: 11.4891
Type of gen. func.: lgdogf

$$-\frac{2 (12084 x^2 + 54359 x + 15232)}{(x - 1) (24168 x^2 + 30191 x + 91)}$$

Sequence: A157802
Score: 4.09761
Type of gen. func.: ogf

$$(54158920066813567500 f(x) - 1046794192029196249016443)$$

3 2 2

$$(f(x) x - 3 f(x) x + 3 f(x) x + 24168 x - f(x) + 30191 x + 91)$$

Sequence: A157802
Score: 5.47467
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 91, a(1) = 30464,

a(2) = 115287}

Sequence: A157802
Score: 9.54157
Type of gen. func.: ogf

$$-\frac{24168 x^2 + 30191 x + 91}{(x - 1)^3}$$

Sequence: A157803
Score: 11.4810
Type of gen. func.: ogf

$$\frac{330 (25651 x + 1574)}{(x - 1)^2}$$

Sequence: A157803
Score: 12.3642
Type of gen. func.: revogf

$$-\frac{-259710 - x + 165 (2477476 + 330 x)^{1/2}}{-8464830 + x}$$

Sequence: A157803
Score: 17.0425
Type of gen. func.: lgdogf

$$-\frac{28799 + 25651 x}{(25651 x + 1574) (x - 1)}$$

Sequence: A157803
Score: 6.06544
Type of gen. func.: ogf

$$(165 f(x) + 743678101) (f(x) x^2 - 2 f(x) x + f(x) - 8464830 x - 519420)$$

Sequence: A157803
Score: 6.91329
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 519420, a(1) = 9503670\}$$

Sequence: A157804
Score: 3.44268
Type of gen. func.: ogf

$$(165775696543875 f(x) - 174465698571055540143749) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 1315947601 x^2 - f(x) + 1643899948 x + 4954951)$$

Sequence: A157804
Score: 4.35398
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 4954951, a(1) = 1658764801, a(2) = 6277377151\}$$

Sequence: A157804
Score: 6.96636
Type of gen. func.: ogf

$$-\frac{1315947601 x^2 + 1643899948 x + 4954951}{(x - 1)^3}$$

Sequence: A157810

Score: 10.8880
Type of gen. func.: lgdogf

$$-\frac{2x^6+6x^5+3x^4+8x^3+6x^2+6x+1}{(x-1)(1+x)(x^2+1)(2x^3+3x^2+x+2)}$$

Sequence: A157810
Score: 14.8346
Type of gen. func.: ogf

$$-\frac{2x^3+3x^2+x+2}{(x-1)(1+x)(x^2+1)}$$

Sequence: A157810
Score: 9.29203
Type of gen. func.: ogf

$$-(316 f(x)-133)(f(x)x^4+2x^3+3x^2-f(x)+x+2)$$

Sequence: A157814
Score: 10.6592
Type of gen. func.: ogf

$$-\frac{27227x+27223}{(x-1)^3}$$

Sequence: A157814
Score: 15.9335
Type of gen. func.: lgdogf

$$-\frac{2(54448+27227x)}{(27227x+27223)(x-1)}$$

Sequence: A157814
Score: 4.19492
Type of gen. func.: ogf

```
(129649742992755067500 f(x) - 4800920313108926084039743)

           3            2
    (f(x) x  - 3 f(x) x  + 3 f(x) x - f(x) + 27227 x + 27223)
```

Sequence: A157814
Score: 5.16043
Type of gen. func.: ogf

```
{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 27223, a(1) = 108896,

    a(2) = 245019}
```

Sequence: A157815
Score: 12.3058
Type of gen. func.: ogf

```
                                330 (x + 27224)
                                ---------------
                                           2
                                   (x - 1)
```

Sequence: A157815
Score: 12.7969
Type of gen. func.: revogf

```
                                                             1/2
                    -4491960 - x + 165 (741146176 + 330 x)
                  - ----------------------------------------
                                    -330 + x
```

Sequence: A157815
Score: 24.6094
Type of gen. func.: lgdogf

```
                                    54449 + x
                                - -------------------
                                  (x + 27224) (x - 1)
```

Sequence: A157815
Score: 6.27125
Type of gen. func.: ogf

```
                                   2
```

$$(165 f(x) + 1482346801) (f(x) x - 2 f(x) x + f(x) - 330 x - 8983920)$$

Sequence: A157815
Score: 6.86536
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 8983920, a(1) = 17968170\}$$

Sequence: A157816
Score: 3.65246
Type of gen. func.: ogf

$$(396846473788875 f(x) - 800153385013698389874749)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 1482510148 x + 1482292351)$$

Sequence: A157816
Score: 4.33076
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1482292351,$$

$$a(1) = 5929387201, a(2) = 13341284551\}$$

Sequence: A157816
Score: 7.67477
Type of gen. func.: ogf

$$- \frac{x^2 + 1482510148 x + 1482292351}{(x - 1)^3}$$

Sequence: A157820
Score: 10.6592
Type of gen. func.: ogf

$$- \frac{27223 x + 27227}{(x - 1)^3}$$

Sequence: A157820
Score: 15.9335
Type of gen. func.: lgdogf

$$-\frac{2\ (54452 + 27223\ x)}{(27223\ x + 27227)\ (x - 1)}$$

Sequence: A157820
Score: 4.24976
Type of gen. func.: ogf

$$(18522406580940652500\ f(x) - 685908859045149006868901)$$
$$(f(x)\ x^3 - 3\ f(x)\ x^2 + 3\ f(x)\ x - f(x) + 27223\ x + 27227)$$

Sequence: A157820
Score: 5.16043
Type of gen. func.: ogf

$$\{a(n + 3) - 3\ a(n + 2) + 3\ a(n + 1) - a(n),\ a(0) = 27227,\ a(1) = 108904,$$
$$a(2) = 245031\}$$

Sequence: A157821
Score: 12.3058
Type of gen. func.: ogf

$$-\frac{330\ (x - 27226)}{(x - 1)^2}$$

Sequence: A157821
Score: 13.0581
Type of gen. func.: revogf

$$-\frac{-4492290 - x + 165\ (741255076 + 330\ x)^{1/2}}{330 + x}$$

Sequence: A157821

Score: 23.6980
Type of gen. func.: lgdogf

$$-\frac{-54451 + x}{(x - 1) (x - 27226)}$$

Sequence: A157821
Score: 6.27125
Type of gen. func.: ogf

$$(165 f(x) + 1482455701) (f(x) x^2 - 2 f(x) x + f(x) + 330 x - 8984580)$$

Sequence: A157821
Score: 6.86536
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 8984580, a(1) = 17968830\}$$

Sequence: A157822
Score: 3.65246
Type of gen. func.: ogf

$$(396868215673875 f(x) - 800227001714837113708501)$$
$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 1482292348 x + 1482510151)$$

Sequence: A157822
Score: 4.33076
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1482510151,$$
$$a(1) = 5929822801, a(2) = 13341937951\}$$

Sequence: A157822
Score: 7.67477
Type of gen. func.: ogf

$$-\frac{x^2 + 1482292348 x + 1482510151}{{}^{3}}$$

$$(x - 1)$$

Sequence: A157823
Score: 14.6219
Type of gen. func.: lgdogf

$$\frac{1}{(2 x - 1) (9 x - 5)}$$

Sequence: A157823
Score: 14.8642
Type of gen. func.: ogf

$$2 f(x) x - f(x) + 9 x - 5$$

Sequence: A157823
Score: 18.0781
Type of gen. func.: ogf

$$- \frac{9 x - 5}{2 x - 1}$$

Sequence: A157823
Score: 6.71816
Type of gen. func.: revogf

$$5/18 - x/9 - \frac{(4 x^2 + 16 x + 25)^{1/2}}{18}$$

Sequence: A157823
Score: 9.29011
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1), a(0) = -5, a(1) = -1\}$$

Sequence: A157824
Score: 12.8061
Type of gen. func.: lgdogf

$$-\frac{3165 x^2 + 14372 x + 4063}{(x - 1) (3165 x^2 + 4021 x + 14)}$$

Sequence: A157824
Score: 4.35582
Type of gen. func.: ogf

$$(16646487707520000 f(x) - 42672028252144345649)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3165 x^2 - f(x) + 4021 x + 14)$$

Sequence: A157824
Score: 5.55367
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 14, a(1) = 4063,

a(2) = 15312}

Sequence: A157824
Score: 9.80059
Type of gen. func.: ogf

$$-\frac{3165 x^2 + 4021 x + 14}{(x - 1)^3}$$

Sequence: A157825
Score: 10.7082
Type of gen. func.: ogf

$$\frac{240 (6751 x + 449)}{(x - 1)^2}$$

Sequence: A157825
Score: 11.9857
Type of gen. func.: revogf

$$-\frac{-53880 - x + 120 (201601 + 120 x)^{1/2}}{-1620240 + x}$$

Sequence: A157825
Score: 17.7969
Type of gen. func.: lgdogf

$$-\frac{7649 + 6751 x}{(6751 x + 449) (x - 1)}$$

Sequence: A157825
Score: 5.76598
Type of gen. func.: ogf

$$(60 f(x) + 52041601) (f(x) x^2 - 2 f(x) x + f(x) - 1620240 x - 107760)$$

Sequence: A157825
Score: 6.44798
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 107760, a(1) = 1835760\}$$

Sequence: A157826
Score: 3.67204
Type of gen. func.: ogf

$$(62911896000 f(x) - 4644574465300316801) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 91152001 x^2 - f(x) + 115804798 x + 403201)$$

Sequence: A157826
Score: 4.38989
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 403201, a(1) = 117014401, a(2) = 440985601\}$$

Sequence: A157826
Score: 7.20809
Type of gen. func.: ogf

$$-\frac{91152001 x^2 + 115804798 x + 403201}{(x - 1)^3}$$

Sequence: A157828
Score: 11.5795
Type of gen. func.: ogf

$$\frac{1}{24 x^{12} + 440 x^9 + 264 x^6 + 1}$$

Sequence: A157828
Score: 13.3287
Type of gen. func.: lgdogf

$$-\frac{72 x^5 (4 x^6 + 55 x^3 + 22)}{24 x^{12} + 440 x^9 + 264 x^6 + 1}$$

Sequence: A157830
Score: 10.2546
Type of gen. func.: ogf

$$\frac{1}{x^{24} + 759 x^{16} + 2576 x^{12} + 759 x^8 + 1}$$

Sequence: A157830
Score: 11.2369
Type of gen. func.: lgdogf

$$-\frac{24 x^7 (x^{16} + 506 x^8 + 1288 x^4 + 253)}{x^{24} + 759 x^{16} + 2576 x^{12} + 759 x^8 + 1}$$

Sequence: A157838
Score: 12.8061
Type of gen. func.: lgdogf

$$-\frac{2541 x^2 + 14216 x + 4843}{(x - 1) (2541 x^2 + 4567 x + 92)}$$

Sequence: A157838
Score: 4.35582
Type of gen. func.: ogf

$$(18597081755520000 f(x) - 51018964224413786351)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 2541 x^2 - f(x) + 4567 x + 92)$$

Sequence: A157838
Score: 5.55367
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 92, a(1) = 4843,$

$a(2) = 16794\}$

Sequence: A157838
Score: 9.80059
Type of gen. func.: ogf

$$-\frac{2541 x^2 + 4567 x + 92}{(x - 1)^3}$$

Sequence: A157839
Score: 10.7082
Type of gen. func.: ogf

$$\frac{240 (6049 x + 1151)}{(x - 1)^2}$$

Sequence: A157839
Score: 11.5156
Type of gen. func.: revogf

$$-\frac{-138120 - x + 120\,(1324801 + 120\,x)^{1/2}}{-1451760 + x}$$

Sequence: A157839
Score: 17.2735
Type of gen. func.: lgdogf

$$-\frac{8351 + 6049\,x}{(6049\,x + 1151)\,(x - 1)}$$

Sequence: A157839
Score: 5.76598
Type of gen. func.: ogf

$$(60\,f(x) + 53164801)\,(f(x)\,x^{2} - 2\,f(x)\,x + f(x) - 1451760\,x - 276240)$$

Sequence: A157839
Score: 6.44798
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\,a(n + 1) - a(n),\ a(0) = 276240,\ a(1) = 2004240\}$$

Sequence: A157840
Score: 3.59534
Type of gen. func.: ogf

$$(3443904024000\,f(x) - 272101140191641168751)\,(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x + 73180801\,x^{2} - f(x) + 131529598\,x + 2649601)$$

Sequence: A157840
Score: 4.40026
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2649601, a(1) = 139478401,

a(2) = 483667201}

Sequence: A157840
Score: 7.19067
Type of gen. func.: ogf

$$-\frac{73180801 x^2 + 131529598 x + 2649601}{(x - 1)^3}$$

Sequence: A157840
Score: 7.41121
Type of gen. func.: lgdogf

$$-\frac{73180801 x^2 + 409420798 x + 139478401}{(x - 1) (73180801 x^2 + 131529598 x + 2649601)}$$

Sequence: A157842
Score: 12.6239
Type of gen. func.: lgdogf

$$-\frac{2177 x^2 + 14044 x + 5379}{(x - 1) (2177 x^2 + 4845 x + 178)}$$

Sequence: A157842
Score: 4.34918
Type of gen. func.: ogf

$$(19901210267520000 f(x) - 57188169971156186801)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 2177 x^2 - f(x) + 4845 x + 178)$$

Sequence: A157842
Score: 5.53531
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 178, a(1) = 5379, a(2) = 17780\}$$

Sequence: A157842
Score: 9.70684
Type of gen. func.: ogf

$$- \frac{2177 x^2 + 4845 x + 178}{(x - 1)^3}$$

Sequence: A157843
Score: 10.7082
Type of gen. func.: ogf

$$\frac{240 (5599 x + 1601)}{(x - 1)^2}$$

Sequence: A157843
Score: 11.5156
Type of gen. func.: revogf

$$- \frac{-192120 - x + 120 (2563201 + 120 x)^{1/2}}{-1343760 + x}$$

Sequence: A157843
Score: 17.2735
Type of gen. func.: lgdogf

$$- \frac{8801 + 5599 x}{(5599 x + 1601) (x - 1)}$$

Sequence: A157843

Score: 5.76598
Type of gen. func.: ogf

$$(60 f(x) + 54403201) (f(x) x^2 - 2 f(x) x + f(x) - 1343760 x - 384240)$$

Sequence: A157843
Score: 6.44798
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 384240, a(1) = 2112240\}$$

Sequence: A157844
Score: 3.59534
Type of gen. func.: ogf

$$(3685409304000 f(x) - 305003570511387358001) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 62697601 x^2 - f(x) + 139535998 x + 5126401)$$

Sequence: A157844
Score: 4.40026
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 5126401, a(1) = 154915201, a(2) = 512064001\}$$

Sequence: A157844
Score: 7.19067
Type of gen. func.: ogf

$$- \frac{62697601 x^2 + 139535998 x + 5126401}{(x - 1)^3}$$

Sequence: A157853
Score: 13.1328
Type of gen. func.: lgdogf

$$-\frac{2\,(89\,x^2+5023\,x+5688)}{(x-1)\,(178\,x^2+4845\,x+2177)}$$

Sequence: A157853
Score: 4.40711
Type of gen. func.: ogf

$$(33331419803520000\,f(x)-143732709965240670799)$$

$$(f(x)\,x^3-3\,f(x)\,x^2+3\,f(x)\,x+178\,x^2-f(x)+4845\,x+2177)$$

Sequence: A157853
Score: 5.55367
Type of gen. func.: ogf

$$\{a(n+3)-3\,a(n+2)+3\,a(n+1)-a(n),\ a(0)=2177,\ a(1)=11376,$$

$$a(2)=27775\}$$

Sequence: A157853
Score: 9.90001
Type of gen. func.: ogf

$$-\frac{178\,x^2+4845\,x+2177}{(x-1)^3}$$

Sequence: A157854
Score: 10.7634
Type of gen. func.: ogf

$$\frac{240\,(1601\,x+5599)}{(x-1)^2}$$

Sequence: A157854
Score: 11.5762
Type of gen. func.: revogf

```
                                                        1/2
                     -671880 - x + 120 (31348801 + 120 x)
                   - --------------------------------------
                                   -384240 + x



--------------------------------------------------------------------------------

Sequence:  A157854
Score: 16.8682
Type of gen. func.: lgdogf


                                   12799 + 1601 x
                              - -----------------------
                                (1601 x + 5599) (x - 1)



--------------------------------------------------------------------------------

Sequence:  A157854
Score: 5.7957
Type of gen. func.: ogf


                                    2
     (60 f(x) + 83188801) (f(x) x  - 2 f(x) x + f(x) - 384240 x - 1343760)



--------------------------------------------------------------------------------

Sequence:  A157854
Score: 6.41227
Type of gen. func.: ogf


        {-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1343760, a(1) = 3071760}



--------------------------------------------------------------------------------

Sequence:  A157855
Score: 3.70329
Type of gen. func.: ogf


(28444632000 f(x) - 3532601134766473447) (

          3            2                        2
    f(x) x  - 3 f(x) x  + 3 f(x) x + 5126401 x  - f(x) + 139535998 x + 62697601

    )



--------------------------------------------------------------------------------

Sequence:  A157855
Score: 4.38908
Type of gen. func.: ogf


{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 62697601, a(1) = 327628801,

    a(2) = 799920001}
```

Sequence: A157855
Score: 7.22593
Type of gen. func.: ogf

$$-\frac{5126401 x^{2} + 139535998 x + 62697601}{(x - 1)^{3}}$$

Sequence: A157857
Score: 11.5780
Type of gen. func.: ogf

$$-\frac{3601 x + 3599}{(x - 1)^{3}}$$

Sequence: A157857
Score: 18.6048
Type of gen. func.: lgdogf

$$-\frac{2 (7199 + 3601 x)}{(3601 x + 3599) (x - 1)}$$

Sequence: A157857
Score: 4.71105
Type of gen. func.: ogf

$$(39634832027520000 f(x) - 194062669436819552399)$$

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x - f(x) + 3601 x + 3599)$$

Sequence: A157857
Score: 5.55367
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3599, a(1) = 14398,$$

$$a(2) = 32397\}$$

Sequence: A157858
Score: 11.4310
Type of gen. func.: ogf

$$\frac{240 (x + 7199)}{(x - 1)^2}$$

Sequence: A157858
Score: 12.3642
Type of gen. func.: revogf

$$- \frac{-863880 - x + 120 (51825601 + 120 x)^{1/2}}{-240 + x}$$

Sequence: A157858
Score: 23.7392
Type of gen. func.: lgdogf

$$- \frac{14399 + x}{(x + 7199) (x - 1)}$$

Sequence: A157858
Score: 5.93965
Type of gen. func.: ogf

$$(60 f(x) + 103665601) (f(x) x^2 - 2 f(x) x + f(x) - 240 x - 1727760)$$

Sequence: A157858
Score: 6.44515
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1727760, a(1) = 3455760\}$$

Sequence: A157859
Score: 3.73942
Type of gen. func.: ogf

$$(7339783704000 f(x) - 1035000894333496361999)$$

```
           3           2               2
    (f(x) x  - 3 f(x) x  + 3 f(x) x + x  - f(x) + 103708798 x + 103651201)



------------------------------------------------------------------------------

Sequence:  A157859
Score: 4.39932
Type of gen. func.: ogf


{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 103651201, a(1) = 414662401,

    a(2) = 933033601}



------------------------------------------------------------------------------

Sequence:  A157859
Score: 7.77022
Type of gen. func.: ogf


                            2
                           x  + 103708798 x + 103651201
                         - ----------------------------
                                                3
                                         (x - 1)



------------------------------------------------------------------------------

Sequence:  A157861
Score: 11.5780
Type of gen. func.: ogf


                                  3599 x + 3601
                                - -------------
                                           3
                                    (x - 1)



------------------------------------------------------------------------------

Sequence:  A157861
Score: 18.6048
Type of gen. func.: lgdogf


                                2 (7201 + 3599 x)
                           - -----------------------
                             (3599 x + 3601) (x - 1)



------------------------------------------------------------------------------

Sequence:  A157861
Score: 4.71105
Type of gen. func.: ogf


(39643043483520000 f(x) - 194130190001004512401)

           3           2
```

$$(f(x)\, x - 3\, f(x)\, x + 3\, f(x)\, x - f(x) + 3599\, x + 3601)$$

Sequence: A157861
Score: 5.55367
Type of gen. func.: ogf

$$\{a(n + 3) - 3\, a(n + 2) + 3\, a(n + 1) - a(n),\ a(0) = 3601,\ a(1) = 14402,\ a(2) = 32403\}$$

Sequence: A157862
Score: 11.4310
Type of gen. func.: ogf

$$-\frac{240\, (x - 7201)}{(x - 1)^2}$$

Sequence: A157862
Score: 12.6272
Type of gen. func.: revogf

$$-\frac{-864120 - x + 120\, (51854401 + 120\, x)^{1/2}}{240 + x}$$

Sequence: A157862
Score: 22.8261
Type of gen. func.: lgdogf

$$-\frac{-14401 + x}{(x - 1)\, (x - 7201)}$$

Sequence: A157862
Score: 5.93965
Type of gen. func.: ogf

$$(60\, f(x) + 103694401)\, (f(x)\, x^2 - 2\, f(x)\, x + f(x) + 240\, x - 1728240)$$

Sequence: A157862
Score: 6.44515
Type of gen. func.: ogf

$$\{-a(n+2) + 2\, a(n+1) - a(n),\ a(0) = 1728240,\ a(1) = 3456240\}$$

Sequence: A157863
Score: 3.73942
Type of gen. func.: ogf

$$(7341304344000\, f(x) - 1035361004005831722001)$$
$$(f(x)\, x^3 - 3\, f(x)\, x^2 + 3\, f(x)\, x + x^2 - f(x) + 103651198\, x + 103708801)$$

Sequence: A157863
Score: 4.39932
Type of gen. func.: ogf

$$\{a(n+3) - 3\, a(n+2) + 3\, a(n+1) - a(n),\ a(0) = 103708801,\ a(1) = 414777601,$$
$$a(2) = 933206401\}$$

Sequence: A157863
Score: 7.77022
Type of gen. func.: ogf

$$-\frac{x^2 + 103651198\, x + 103708801}{(x-1)^3}$$

Sequence: A157870
Score: 14.9440
Type of gen. func.: ogf

$$-\frac{2\,(3\, x^2 + 12\, x + 1)}{(x-1)^3}$$

Sequence: A157870
Score: 25.3116

Type of gen. func.: lgdogf

$$-\frac{3(x^2+10x+5)}{(x-1)(3x^2+12x+1)}$$

Sequence: A157870
Score: 7.91907
Type of gen. func.: ogf

$$(592 f(x) - 8609) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 6 x^2 - f(x) + 24 x + 2)$$

Sequence: A157870
Score: 8.12746
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2, a(1) = 30, a(2) = 90}

Sequence: A157872
Score: 12.9822
Type of gen. func.: ogf

$$\frac{3(x^2-5x-2)}{(x-1)^3}$$

Sequence: A157872
Score: 24.6829
Type of gen. func.: lgdogf

$$-\frac{x^2-8x-11}{(x-1)(x^2-5x-2)}$$

Sequence: A157872
Score: 6.82116
Type of gen. func.: ogf

$$(724 f(x) - 11499) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 3 x^2 - f(x) + 15 x + 6)$$

Sequence: A157872
Score: 7.06050
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 6, a(1) = 33, a(2) = 78\}$$

Sequence: A157874
Score: 11.7183
Type of gen. func.: ogf

$$- \frac{104 x}{(x - 1) (x^2 - 674 x + 1)}$$

Sequence: A157874
Score: 4.93912
Type of gen. func.: ogf

$$\{a(n + 3) - 675 a(n + 2) + 675 a(n + 1) - a(n), a(0) = 0, a(1) = 104, a(2) = 70200\}$$

Sequence: A157874
Score: 7.2004
Type of gen. func.: ogf

$$f(x) x^3 - 675 f(x) x^2 + 675 f(x) x - f(x) + 104 x$$

Sequence: A157876
Score: 11.6042
Type of gen. func.: ogf

$$\frac{1}{x^{11} + x^9 + x^7 + x^6 + x^5 + x + 1}$$

Sequence: A157876
Score: 12.5076
Type of gen. func.: lgdogf

$$-\frac{11 x^{10} + 9 x^{8} + 7 x^{6} + 6 x^{5} + 5 x^{4} + 1}{x^{11} + x^{9} + x^{7} + x^{6} + x^{5} + x + 1}$$

Sequence: A157877
Score: 14.1045
Type of gen. func.: ogf

$$-\frac{x - 1}{x^{2} - 30 x + 1}$$

Sequence: A157877
Score: 6.97641
Type of gen. func.: ogf

$$-(868 f(x) - 27) (f(x) x^{2} - 30 f(x) x + f(x) + x - 1)$$

Sequence: A157877
Score: 7.72387
Type of gen. func.: ogf

$$\{a(n + 2) - 30 a(n + 1) + a(n), a(0) = 1, a(1) = 29\}$$

Sequence: A157878
Score: 14.1045
Type of gen. func.: ogf

$$\frac{1 + x}{x^{2} - 30 x + 1}$$

Sequence: A157878
Score: 7.28995
Type of gen. func.: ogf

$$(928 f(x) + 33) (f(x) x^2 - 30 f(x) x + f(x) - x - 1)$$

Sequence: A157878
Score: 7.72387
Type of gen. func.: ogf

$$\{-a(n + 2) + 30 a(n + 1) - a(n), a(0) = 1, a(1) = 31\}$$

Sequence: A157879
Score: 12.0704
Type of gen. func.: ogf

$$- \frac{120 x}{(x - 1) (x^2 - 898 x + 1)}$$

Sequence: A157879
Score: 5.04580
Type of gen. func.: ogf

$$\{a(n + 3) - 899 a(n + 2) + 899 a(n + 1) - a(n), a(0) = 0, a(1) = 120, a(2) = 107880\}$$

Sequence: A157879
Score: 7.41672
Type of gen. func.: ogf

$$f(x) x^3 - 899 f(x) x^2 + 899 f(x) x - f(x) + 120 x$$

Sequence: A157880
Score: 12.0988
Type of gen. func.: ogf

$$- \frac{136 x}{(x - 1) (x^2 - 1154 x + 1)}$$

Sequence: A157880
Score: 5.17127
Type of gen. func.: ogf

$$\{a(n + 3) - 1155 a(n + 2) + 1155 a(n + 1) - a(n), a(0) = 0, a(1) = 136, a(2) = 157080\}$$

Sequence: A157880
Score: 7.54397
Type of gen. func.: ogf

$$f(x) x^3 - 1155 f(x) x^2 + 1155 f(x) x - f(x) + 136 x$$

Sequence: A157881
Score: 10.2209
Type of gen. func.: ogf

$$- \frac{152 x}{(x - 1) (x^2 - 1442 x + 1)}$$

Sequence: A157881
Score: 4.36863
Type of gen. func.: ogf

$$\{a(n + 3) - 1443 a(n + 2) + 1443 a(n + 1) - a(n), a(0) = 0, a(1) = 152, a(2) = 219336\}$$

Sequence: A157881
Score: 6.37305
Type of gen. func.: ogf

$$f(x) x^3 - 1443 f(x) x^2 + 1443 f(x) x - f(x) + 152 x$$

Sequence: A157888
Score: 11.6607
Type of gen. func.: ogf

$$- \frac{9 (x + 5) (x + 2)}{}$$

$$(x-1)^3$$

Sequence: A157888
Score: 22.5090
Type of gen. func.: lgdogf

$$-\frac{x^2+16x+37}{(x+5)(x-1)(x+2)}$$

Sequence: A157888
Score: 6.27882
Type of gen. func.: ogf

$$\{a(n+3)-3a(n+2)+3a(n+1)-a(n),\ a(0)=90,\ a(1)=333,\ a(2)=738\}$$

Sequence: A157888
Score: 6.84269
Type of gen. func.: ogf

$$(2108 f(x)-210105)(f(x)x^3-3f(x)x^2+3f(x)x+9x^2-f(x)+63x+90)$$

Sequence: A157889
Score: 12.3548
Type of gen. func.: ogf

$$-\frac{x^2+16x+19}{(x-1)^3}$$

Sequence: A157889
Score: 22.4588
Type of gen. func.: lgdogf

$$-\frac{x^2+34x+73}{(x-1)(x^2+16x+19)}$$

Sequence: A157889
Score: 6.70995
Type of gen. func.: ogf

$$\{a(n+3) - 3 a(n+2) + 3 a(n+1) - a(n), a(0) = 19, a(1) = 73, a(2) = 163\}$$

Sequence: A157889
Score: 7.0042
Type of gen. func.: ogf

$$(529 f(x) - 12331) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 16 x + 19)$$

Sequence: A157909
Score: 11.6607
Type of gen. func.: ogf

$$\frac{9 (x^2 - 11 x - 8)}{(x - 1)^3}$$

Sequence: A157909
Score: 21.1849
Type of gen. func.: lgdogf

$$-\frac{x^2 - 20 x - 35}{(x - 1) (x^2 - 11 x - 8)}$$

Sequence: A157909
Score: 6.27882
Type of gen. func.: ogf

$$\{a(n+3) - 3 a(n+2) + 3 a(n+1) - a(n), a(0) = 72, a(1) = 315, a(2) = 720\}$$

Sequence: A157909
Score: 6.95769
Type of gen. func.: ogf

$$(428 f(x) - 51741) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 9 x^2 - f(x) + 99 x + 72)$$

Sequence: A157910
Score: 12.3548
Type of gen. func.: ogf

$$\frac{x^2 - 20 x - 17}{(x - 1)^3}$$

Sequence: A157910
Score: 21.8171
Type of gen. func.: lgdogf

$$- \frac{x^2 - 38 x - 71}{(x - 1) (x^2 - 20 x - 17)}$$

Sequence: A157910
Score: 6.70995
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 17, a(1) = 71, a(2) = 161\}$$

Sequence: A157910
Score: 7.0042
Type of gen. func.: ogf

$$(533 f(x) - 13681) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 20 x + 17)$$

Sequence: A157912
Score: 11.3665
Type of gen. func.: ogf

$$- \frac{16 (x^2 + 2 x + 5)}{(x - 1)^3}$$

Sequence: A157912
Score: 23.0039
Type of gen. func.: lgdogf

$$-\frac{x^2 + 6x + 17}{(x - 1)(x^2 + 2x + 5)}$$

Sequence: A157912
Score: 6.21756
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 80, a(1) = 272, a(2) = 592}

Sequence: A157912
Score: 7.12767
Type of gen. func.: ogf

$$(29 f(x) - 1990)(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 16 x^2 - f(x) + 32 x + 80)$$

Sequence: A157913
Score: 11.3665
Type of gen. func.: ogf

$$\frac{16 (x^2 - 6x - 3)}{(x - 1)^3}$$

Sequence: A157913
Score: 21.6097
Type of gen. func.: lgdogf

$$-\frac{x^2 - 10x - 15}{(x - 1)(x^2 - 6x - 3)}$$

Sequence: A157913
Score: 6.21756
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 48, a(1) = 240, a(2) = 560\}$$

Sequence: A157913
Score: 7.06777
Type of gen. func.: ogf

$$(63 f(x) - 15299) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 16 x^2 - f(x) + 96 x + 48)$$

Sequence: A157914
Score: 12.8002
Type of gen. func.: ogf

$$\frac{x^2 - 10 x - 7}{(x - 1)^3}$$

Sequence: A157914
Score: 22.8991
Type of gen. func.: lgdogf

$$- \frac{x^2 - 18 x - 31}{(x - 1) (x^2 - 10 x - 7)}$$

Sequence: A157914
Score: 6.90098
Type of gen. func.: ogf

$$(68 f(x) - 821) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 10 x + 7)$$

Sequence: A157914
Score: 6.96152
Type of gen. func.: ogf

$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 7,\ a(1) = 31,\ a(2) = 71\}$

Sequence: A157915
Score: 11.0799
Type of gen. func.: ogf

$$-\frac{25\,(x^2 + 23\,x + 26)}{(x - 1)^3}$$

Sequence: A157915
Score: 20.4974
Type of gen. func.: lgdogf

$$-\frac{x^2 + 48\,x + 101}{(x - 1)\,(x^2 + 23\,x + 26)}$$

Sequence: A157915
Score: 6.09392
Type of gen. func.: ogf

$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 650,\ a(1) = 2525,$

$a(2) = 5650\}$

Sequence: A157915
Score: 6.59873
Type of gen. func.: ogf

$(5884\,f(x) - 4829225)$

$(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 25\,x^2 - f(x) + 575\,x + 650)$

Sequence: A157916
Score: 11.8071
Type of gen. func.: ogf

$x^2 + 48\,x + 51$

$$-\frac{}{(x-1)^3}$$

Sequence: A157916
Score: 20.8402
Type of gen. func.: lgdogf

$$-\frac{x^2+98x+201}{(x-1)(x^2+48x+51)}$$

Sequence: A157916
Score: 6.35769
Type of gen. func.: ogf

$$\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0)=51, a(1)=201, a(2)=451\}$$

Sequence: A157916
Score: 6.88591
Type of gen. func.: ogf

$$(1473 f(x)-98443)(f(x)x^3-3f(x)x^2+3f(x)x+x^2-f(x)+48x+51)$$

Sequence: A157918
Score: 11.0273
Type of gen. func.: ogf

$$\frac{25(x^2-27x-24)}{(x-1)^3}$$

Sequence: A157918
Score: 20.3984
Type of gen. func.: lgdogf

$$-\frac{x^2-52x-99}{(x-1)(x^2-27x-24)}$$

Sequence: A157918
Score: 6.06504
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 600, a(1) = 2475, a(2) = 5600\}$$

Sequence: A157918
Score: 6.57028
Type of gen. func.: ogf

$$(5916 f(x) - 5204225)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 25 x^2 - f(x) + 675 x + 600)$$

Sequence: A157919
Score: 11.8071
Type of gen. func.: ogf

$$\frac{x^2 - 52 x - 49}{(x - 1)^3}$$

Sequence: A157919
Score: 19.7137
Type of gen. func.: lgdogf

$$- \frac{x^2 - 102 x - 199}{(x - 1) (x^2 - 52 x - 49)}$$

Sequence: A157919
Score: 6.35769
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 49, a(1) = 199, a(2) = 449\}$$

Sequence: A157919
Score: 6.94377
Type of gen. func.: ogf

$$(211 f(x) - 14599) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 52 x + 49)$$

Sequence: A157921
Score: 17.7092
Type of gen. func.: ogf

$$\frac{x + 71}{(x - 1)^2}$$

Sequence: A157921
Score: 20.4974
Type of gen. func.: revogf

$$-\frac{-71 - 2 x + (5041 + 288 x)^{1/2}}{2 (x - 1)}$$

Sequence: A157921
Score: 38.0666
Type of gen. func.: lgdogf

$$-\frac{143 + x}{(x + 71) (x - 1)}$$

Sequence: A157921
Score: 8.85463
Type of gen. func.: ogf

$$(144 f(x) + 10225) (f(x) x^2 - 2 f(x) x + f(x) - x - 71)$$

Sequence: A157921
Score: 9.58382
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 71, a(1) = 143\}$$

Sequence: A157923
Score: 13.5245
Type of gen. func.: ogf

$$-\frac{2 (25 x + 24)}{(x - 1)^3}$$

Sequence: A157923
Score: 28.0541
Type of gen. func.: lgdogf

$$-\frac{97 + 50 x}{(25 x + 24) (x - 1)}$$

Sequence: A157923
Score: 6.14751
Type of gen. func.: ogf

$$(42192773 f(x) - 2797741854)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 50 x + 48)$$

Sequence: A157923
Score: 6.35769
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 48, a(1) = 194, a(2) = 438\}$$

Sequence: A157924
Score: 17.4402
Type of gen. func.: ogf

$$\frac{x + 97}{(x - 1)^2}$$

Sequence: A157924
Score: 20.1823
Type of gen. func.: revogf

$$-\frac{-97 - 2 x + (9409 + 392 x)^{1/2}}{2 (x - 1)}$$

Sequence: A157924
Score: 37.4815
Type of gen. func.: lgdogf

$$-\frac{195 + x}{(x + 97) (x - 1)}$$

Sequence: A157924
Score: 8.72009
Type of gen. func.: ogf

$$(196 f(x) + 19013) (f(x) x^2 - 2 f(x) x + f(x) - x - 97)$$

Sequence: A157924
Score: 9.43821
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 97, a(1) = 195\}$$

Sequence: A157928
Score: 11.9754
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A157928
Score: 121.585
Type of gen. func.: lgdogf

$$-\frac{1}{x - 1}$$

Sequence: A157928
Score: 21.8219
Type of gen. func.: ogf

$$f(x)\,x + x^2 - f(x)$$

Sequence: A157928
Score: 33.8616
Type of gen. func.: ogf

$$-\frac{x^2}{x - 1}$$

Sequence: A157928
Score: 75.3820
Type of gen. func.: ogf_with_Euler_transform]

[1]

Sequence: A157932
Score: 11.2272
Type of gen. func.: ogf

$$\frac{2\,x\,(2\,x^2 - x + 2)}{(x^2 + 1)\,(x - 1)^2}$$

Sequence: A157932
Score: 4.20301
Type of gen. func.: ogf

$\{(-n - 3)\,a(n + 1) + (n + 2)\,a(n + 2) + (-n - 3)\,a(n + 3) + (n + 2)\,a(n + 4),$

$a(0) = 0,\ a(1) = 4,\ a(2) = 6,\ a(3) = 8\}$

Sequence: A157932

Score: 6.16229
Type of gen. func.: ogf

$$(f(x) - 2)$$

$$(f(x)\, x^4 - 2 f(x)\, x^3 + 2 f(x)\, x^2 - 4 x^3 - 2 f(x)\, x + 2 x^2 + f(x) - 4 x)$$

Sequence: A157947
Score: 17.4402
Type of gen. func.: ogf

$$-\frac{x - 99}{(x - 1)^2}$$

Sequence: A157947
Score: 20.1823
Type of gen. func.: revogf

$$-\frac{-99 - 2 x + (9801 + 392 x)^{1/2}}{2 (1 + x)}$$

Sequence: A157947
Score: 35.7778
Type of gen. func.: lgdogf

$$-\frac{-197 + x}{(x - 1) (x - 99)}$$

Sequence: A157947
Score: 8.72009
Type of gen. func.: ogf

$$(196 f(x) + 19405) (f(x)\, x^2 - 2 f(x)\, x + f(x) + x - 99)$$

Sequence: A157947
Score: 9.43821
Type of gen. func.: ogf

$$\{-a(n+2) + 2\,a(n+1) - a(n),\ a(0) = 99,\ a(1) = 197\}$$

Sequence: A157948
Score: 13.2265
Type of gen. func.: ogf

$$-\frac{65\,x + 63}{(x-1)^3}$$

Sequence: A157948
Score: 24.5904
Type of gen. func.: lgdogf

$$-\frac{2\,(127 + 65\,x)}{(65\,x + 63)\,(x-1)}$$

Sequence: A157948
Score: 5.81963
Type of gen. func.: ogf

$$(3936403456\,f(x) - 341325488703)$$

$$(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x - f(x) + 65\,x + 63)$$

Sequence: A157948
Score: 6.21756
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 63,\ a(1) = 254,\ a(2) = 573\}$$

Sequence: A157949
Score: 16.8854
Type of gen. func.: ogf

$$\frac{x + 127}{(x-1)^2}$$

Sequence: A157949
Score: 18.9895
Type of gen. func.: revogf

$$- \frac{-127 - 2 x + (16129 + 512 x)^{1/2}}{2 (x - 1)}$$

Sequence: A157949
Score: 35.3895
Type of gen. func.: lgdogf

$$- \frac{255 + x}{(x + 127) (x - 1)}$$

Sequence: A157949
Score: 8.53348
Type of gen. func.: ogf

$$(256 f(x) + 32513) (f(x) x^2 - 2 f(x) x + f(x) - x - 127)$$

Sequence: A157949
Score: 9.22806
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 127, a(1) = 255\}$$

Sequence: A157951
Score: 16.8854
Type of gen. func.: ogf

$$- \frac{x - 129}{(x - 1)^2}$$

Sequence: A157951
Score: 18.9895
Type of gen. func.: revogf

1/2

$$-\frac{-129 - 2 x + (16641 + 512 x)}{2 (1 + x)}$$

Sequence: A157951
Score: 33.8508
Type of gen. func.: lgdogf

$$-\frac{-257 + x}{(x - 1) (x - 129)}$$

Sequence: A157951
Score: 8.53348
Type of gen. func.: ogf

$$(256 f(x) + 33025) (f(x) x^{2} - 2 f(x) x + f(x) + x - 129)$$

Sequence: A157951
Score: 9.22806
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 129, a(1) = 257\}$$

Sequence: A157952
Score: 16.9654
Type of gen. func.: ogf

$$-\frac{x - 163}{(x - 1)^{2}}$$

Sequence: A157952
Score: 19.0812
Type of gen. func.: revogf

$$-\frac{-163 - 2 x + (26569 + 648 x)^{1/2}}{2 (1 + x)}$$

Sequence: A157952
Score: 34.0143
Type of gen. func.: lgdogf

$$-\frac{-325 + x}{(x - 1)\,(x - 163)}$$

Sequence: A157952
Score: 8.57392
Type of gen. func.: ogf

$$(324\, f(x) + 52813)\,(f(x)\, x^2 - 2\, f(x)\, x + f(x) + x - 163)$$

Sequence: A157952
Score: 9.27179
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\, a(n + 1) - a(n),\ a(0) = 163,\ a(1) = 325\}$$

Sequence: A157953
Score: 13.3568
Type of gen. func.: ogf

$$-\frac{2\,(41\, x + 40)}{(x - 1)^3}$$

Sequence: A157953
Score: 26.6773
Type of gen. func.: lgdogf

$$-\frac{161 + 82\, x}{(41\, x + 40)\,(x - 1)}$$

Sequence: A157953
Score: 5.97253
Type of gen. func.: ogf

$$(316010565\, f(x) - 34708105006)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 82 x + 80)$$

Sequence: A157953
Score: 6.27882
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 80, a(1) = 322, a(2) = 726\}$$

Sequence: A157954
Score: 16.9654
Type of gen. func.: ogf

$$\frac{x + 161}{(x - 1)^2}$$

Sequence: A157954
Score: 19.0812
Type of gen. func.: revogf

$$- \frac{-161 - 2 x + (25921 + 648 x)^{1/2}}{2 (x - 1)}$$

Sequence: A157954
Score: 35.5604
Type of gen. func.: lgdogf

$$- \frac{323 + x}{(x + 161) (x - 1)}$$

Sequence: A157954
Score: 8.57392
Type of gen. func.: ogf

$$(324 f(x) + 52165) (f(x) x^2 - 2 f(x) x + f(x) - x - 161)$$

Sequence: A157954
Score: 9.27179
Type of gen. func.: ogf

$$\{-a(n+2) + 2\,a(n+1) - a(n),\ a(0) = 161,\ a(1) = 323\}$$

Sequence: A157955
Score: 17.0454
Type of gen. func.: ogf

$$\frac{x + 199}{(x - 1)^2}$$

Sequence: A157955
Score: 19.1729
Type of gen. func.: revogf

$$-\frac{-199 - 2\,x + (39601 + 800\,x)^{1/2}}{2\,(x - 1)}$$

Sequence: A157955
Score: 35.7314
Type of gen. func.: lgdogf

$$-\frac{399 + x}{(x + 199)\,(x - 1)}$$

Sequence: A157955
Score: 8.61436
Type of gen. func.: ogf

$$(400\,f(x) + 79601)\,(f(x)\,x^2 - 2\,f(x)\,x + f(x) - x - 199)$$

Sequence: A157955
Score: 9.31553
Type of gen. func.: ogf

$$\{-a(n+2) + 2\,a(n+1) - a(n),\ a(0) = 199,\ a(1) = 399\}$$

Sequence: A157956
Score: 17.1255
Type of gen. func.: ogf

$$-\frac{x - 201}{(x - 1)^2}$$

Sequence: A157956
Score: 19.2647
Type of gen. func.: revogf

$$-\frac{-201 - 2 x + (40401 + 800 x)^{1/2}}{2 (1 + x)}$$

Sequence: A157956
Score: 34.3414
Type of gen. func.: lgdogf

$$-\frac{-401 + x}{(x - 1) (x - 201)}$$

Sequence: A157956
Score: 8.6548
Type of gen. func.: ogf

$$(400 f(x) + 80401) (f(x) x^2 - 2 f(x) x + f(x) + x - 201)$$

Sequence: A157956
Score: 9.35927
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 201, a(1) = 401\}$$

Sequence: A157958
Score: 16.7002
Type of gen. func.: ogf

$$-\frac{x - 243}{(x - 1)^2}$$

Sequence: A157958
Score: 18.7795
Type of gen. func.: revogf

$$-\frac{-243 - 2 x + (59049 + 968 x)^{1/2}}{2 (1 + x)}$$

Sequence: A157958
Score: 33.4765
Type of gen. func.: lgdogf

$$-\frac{-485 + x}{(x - 1) (x - 243)}$$

Sequence: A157958
Score: 8.35011
Type of gen. func.: ogf

$$(484 f(x) + 117613) (f(x) x^2 - 2 f(x) x + f(x) + x - 243)$$

Sequence: A157958
Score: 9.12687
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 243, a(1) = 485\}$$

Sequence: A157960
Score: 12.4969
Type of gen. func.: ogf

$$-\frac{2 (61 x + 60)}{(x - 1)^3}$$

Sequence: A157960
Score: 24.9364
Type of gen. func.: lgdogf

$$-\frac{241 + 122 x}{(61 x + 60) (x - 1)}$$

Sequence: A157960
Score: 5.60886
Type of gen. func.: ogf

(1576030445 f(x) - 258843978306)

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 122 x + 120)$$

Sequence: A157960
Score: 5.98592
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 120, a(1) = 482, a(2) = 1086

}

Sequence: A157961
Score: 16.7002
Type of gen. func.: ogf

$$\frac{x + 241}{(x - 1)^2}$$

Sequence: A157961
Score: 18.7795
Type of gen. func.: revogf

$$-\frac{-241 - 2 x + (58081 + 968 x)^{1/2}}{2 (x - 1)}$$

Sequence: A157961
Score: 34.9982
Type of gen. func.: lgdogf

$$-\frac{483 + x}{(x + 241)\,(x - 1)}$$

Sequence: A157961
Score: 8.35011
Type of gen. func.: ogf

$$(484\, f(x) + 116645)\,(f(x)\, x^2 - 2\, f(x)\, x + f(x) - x - 241)$$

Sequence: A157961
Score: 9.12687
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\, a(n + 1) - a(n),\ a(0) = 241,\ a(1) = 483\}$$

Sequence: A157983
Score: 10.4521
Type of gen. func.: revegf]

$$\frac{-253^{(1/12)} + (64009 + 2024\, x)^{(1/24)}}{(64009 + 2024\, x)^{1/24}}$$

Sequence: A157983
Score: 6.38529
Type of gen. func.: ogf

$$\{(-n - 26)\, a(n + 1) + a(n + 2),\ a(0) = 759,\ a(1) = 18975\}$$

Sequence: A157983
Score: 66.1968
Type of gen. func.: lgdegf]

$$-\frac{25}{x - 1}$$

Sequence: A157984
Score: 16.3909
Type of gen. func.: revegf]

$$\frac{-1 + (1 + 7 x)^{(1/21)}}{(1 + 7 x)^{1/21}}$$

Sequence: A157984
Score: 6.31534
Type of gen. func.: ogf

$$\{(-n - 23) a(n + 1) + a(n + 2), a(0) = 3, a(1) = 66\}$$

Sequence: A157984
Score: 61.9212
Type of gen. func.: lgdegf]

$$- \frac{22}{x - 1}$$

Sequence: A157988
Score: 4.55994
Type of gen. func.: ogf

$$\{(-n - 48) a(n + 1) + a(n + 2), a(0) = 5760, a(1) = 270720\}$$

Sequence: A157988
Score: 48.0416
Type of gen. func.: lgdegf]

$$- \frac{47}{x - 1}$$

Sequence: A157988
Score: 7.86135
Type of gen. func.: revegf]

$$-\frac{120^{(1/23)} - (14400 + 115\,x)^{(1/46)}}{(14400 + 115\,x)^{1/46}}$$

Sequence: A157990
Score: 16.1683
Type of gen. func.: ogf

$$-\frac{x - 289}{(x - 1)^2}$$

Sequence: A157990
Score: 17.7418
Type of gen. func.: revogf

$$-\frac{-289 - 2\,x + (83521 + 1152\,x)^{1/2}}{2\,(1 + x)}$$

Sequence: A157990
Score: 32.3980
Type of gen. func.: lgdogf

$$-\frac{-577 + x}{(x - 1)\,(x - 289)}$$

Sequence: A157990
Score: 8.08414
Type of gen. func.: ogf

$$(576\,f(x) + 166465)\,(f(x)\,x^2 - 2\,f(x)\,x + f(x) + x - 289)$$

Sequence: A157990
Score: 8.83615
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\,a(n + 1) - a(n),\ a(0) = 289,\ a(1) = 577\}$$

Sequence: A157997
Score: 16.1683
Type of gen. func.: ogf

$$\frac{x + 287}{(x - 1)^2}$$

Sequence: A157997
Score: 17.7418
Type of gen. func.: revogf

$$-\frac{-287 - 2 x + (82369 + 1152 x)^{1/2}}{2 (x - 1)}$$

Sequence: A157997
Score: 33.8706
Type of gen. func.: lgdogf

$$-\frac{575 + x}{(x + 287) (x - 1)}$$

Sequence: A157997
Score: 8.08414
Type of gen. func.: ogf

$$(576 f(x) + 165313) (f(x) x^2 - 2 f(x) x + f(x) - x - 287)$$

Sequence: A157997
Score: 8.83615
Type of gen. func.: ogf

{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 287, a(1) = 575}

Sequence: A157998
Score: 12.8681

Type of gen. func.: ogf

$$-\frac{2\,(85\,x+84)}{(x-1)^{3}}$$

Sequence: A157998
Score: 25.6921
Type of gen. func.: lgdogf

$$-\frac{337+170\,x}{(85\,x+84)\,(x-1)}$$

Sequence: A157998
Score: 5.73034
Type of gen. func.: ogf

$$(6002751053\,f(x)-1377784539354)\,(f(x)\,x^{3}-3\,f(x)\,x^{2}+3\,f(x)\,x-f(x)+170\,x+168)$$

Sequence: A157998
Score: 6.16372
Type of gen. func.: ogf

$$\{a(n+3)-3\,a(n+2)+3\,a(n+1)-a(n),\ a(0)=168,\ a(1)=674,\ a(2)=1518\}$$

Sequence: A157999
Score: 16.6392
Type of gen. func.: ogf

$$\frac{x+337}{(x-1)^{2}}$$

Sequence: A157999
Score: 17.8439
Type of gen. func.: revogf

$$-\frac{-337 - 2 x + (113569 + 1352 x)^{1/2}}{2 (x - 1)}$$

Sequence: A157999
Score: 34.8767
Type of gen. func.: lgdogf

$$-\frac{675 + x}{(x + 337) (x - 1)}$$

Sequence: A157999
Score: 8.3196
Type of gen. func.: ogf

$$(676 f(x) + 227813) (f(x) x^2 - 2 f(x) x + f(x) - x - 337)$$

Sequence: A157999
Score: 9.09352
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 337, a(1) = 675\}$$

Sequence: A158000
Score: 16.6392
Type of gen. func.: ogf

$$-\frac{x - 339}{(x - 1)^2}$$

Sequence: A158000
Score: 17.8439
Type of gen. func.: revogf

$$-\frac{-339 - 2 x + (114921 + 1352 x)^{1/2}}{2 (1 + x)}$$

Sequence: A158000
Score: 33.3603
Type of gen. func.: lgdogf

```
                                   -677 + x
                             - -----------------
                               (x - 1) (x - 339)
```

Sequence: A158000
Score: 8.3196
Type of gen. func.: ogf

```
                                              2
           (676 f(x) + 229165) (f(x) x  - 2 f(x) x + f(x) + x - 339)
```

Sequence: A158000
Score: 9.09352
Type of gen. func.: ogf

```
            {-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 339, a(1) = 677}
```

Sequence: A158001
Score: 13.0146
Type of gen. func.: ogf

```
                         5      4      3      2
                        x  + 4 x  + 4 x  + 9 x  + 10 x + 9
                   - -----------------------------------------
                                             2            2
                     (x - 1) (1 + x) (x  + x + 1) (x  - x + 1)
```

Sequence: A158001
Score: 7.15773
Type of gen. func.: lgdogf

```
    10      9       8       7       6       5      4       3       2
- (x   + 8 x  + 12 x  + 36 x  + 50 x  + 54 x  + 5 x  + 16 x  + 12 x  + 18 x

             /                  2            2
     + 10)  /  ((x - 1) (1 + x) (x  + x + 1) (x  - x + 1)
           /

      5      4      3      2
    (x  + 4 x  + 4 x  + 9 x  + 10 x + 9))
```

Sequence: A158002
Score: 16.0573
Type of gen. func.: ogf

$$\frac{391 x + 1}{(x - 1)^2}$$

Sequence: A158002
Score: 17.2102
Type of gen. func.: revogf

$$-\frac{-393 - 2 x + (154449 + 1568 x)^{1/2}}{2 (1 + x)}$$

Sequence: A158002
Score: 32.1756
Type of gen. func.: lgdogf

$$-\frac{-785 + x}{(x - 1) (x - 393)}$$

Sequence: A158002
Score: 8.02866
Type of gen. func.: ogf

$$(784 f(x) + 153665) (f(x) x^2 - 2 f(x) x + f(x) - 391 x - 1)$$

Sequence: A158002
Score: 8.98444
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 393\}$$

Sequence: A158003
Score: 12.9919
Type of gen. func.: ogf

$$197 x + 195$$

```
                                    - -----------
                                             3
                                       (x - 1)
```

Sequence: A158003
Score: 22.7009
Type of gen. func.: lgdogf

```
                                   2 (391 + 197 x)
                              - ---------------------
                                (197 x + 195) (x - 1)
```

Sequence: A158003
Score: 5.65294
Type of gen. func.: ogf

```
(347624079040 f(x) - 92554877201667)

           3            2
    (f(x) x  - 3 f(x) x  + 3 f(x) x - f(x) + 197 x + 195)
```

Sequence: A158003
Score: 6.22299
Type of gen. func.: ogf

```
{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 195, a(1) = 782, a(2) = 1761

    }
```

Sequence: A158004
Score: 15.7887
Type of gen. func.: ogf

```
                                       x + 391
                                       --------
                                              2
                                       (x - 1)
```

Sequence: A158004
Score: 16.9190
Type of gen. func.: revogf

```
                                                           1/2
                           -391 - 2 x + (152881 + 1568 x)
                         - ----------------------------------
                                       2 (x - 1)
```

Sequence: A158004
Score: 33.0690
Type of gen. func.: lgdogf

$$-\frac{783 + x}{(x + 391)\ (x - 1)}$$

Sequence: A158004
Score: 7.89434
Type of gen. func.: ogf

$$(784\ f(x) + 306545)\ (f(x)\ x^2 - 2\ f(x)\ x + f(x) - x - 391)$$

Sequence: A158004
Score: 8.62870
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\ a(n + 1) - a(n),\ a(0) = 391,\ a(1) = 783\}$$

Sequence: A158010
Score: 13.3012
Type of gen. func.: ogf

$$-\frac{257\ x + 255}{(x - 1)^3}$$

Sequence: A158010
Score: 23.2519
Type of gen. func.: lgdogf

$$-\frac{2\ (511 + 257\ x)}{(257\ x + 255)\ (x - 1)}$$

Sequence: A158010
Score: 5.70051
Type of gen. func.: ogf

$$(1012136673280 f(x) - 352081652877567)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 257 x + 255)$$

Sequence: A158010
Score: 6.31806
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 255, a(1) = 1022,

a(2) = 2301}

Sequence: A158011
Score: 15.7498
Type of gen. func.: ogf

$$\frac{x + 511}{(x - 1)^2}$$

Sequence: A158011
Score: 16.8790
Type of gen. func.: revogf

$$- \frac{-511 - 2 x + (261121 + 2048 x)^{1/2}}{2 (x - 1)}$$

Sequence: A158011
Score: 31.5563
Type of gen. func.: lgdogf

$$- \frac{1023 + x}{(x + 511) (x - 1)}$$

Sequence: A158011
Score: 7.79198
Type of gen. func.: ogf

$$(1024 f(x) + 523265) (f(x) x - 2 f(x) x + f(x) - x - 511)$$

Sequence: A158011
Score: 8.50849
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 511, a(1) = 1023\}$$

Sequence: A158025
Score: 7.64519
Type of gen. func.: ogf

$$-\frac{48 x^{16} - 50 x^{14} - x^{6} + x^{5} + x^{4} - x^{3} - x^{2} - x - 1}{(1 + x) (x - 1)^{2}}$$

Sequence: A158029
Score: 5.62475
Type of gen. func.: ogf

$$- (379 x^{25} - x^{24} - 374 x^{23} + 33 x^{15} - 3 x^{14} - 39 x^{13} + 10 x^{8} - 12 x^{6} - x^{2} - x - 1) / ((1 + x) (x - 1)^{2})$$

Sequence: A158040
Score: 4.88867
Type of gen. func.: ogf

$$\frac{2 (8 x^{6} - 50 x^{4} + 64 x^{3} - 25 x^{2} + 1)}{(x - 1)^{2} (2 x - 1)^{2} (2 x^{2} - 5 x + 1)^{2}}$$

Sequence: A158045
Score: 7.44765
Type of gen. func.: ogf

$$-\frac{2 (2 x^{2} - 1) (4 x^{4} - 11 x^{2} + 1)}{}$$

$$(x - 1) (2 x + 1) (2 x - 1) (1 + x) (2 x^2 - 5 x + 1) (2 x^2 + 5 x + 1)$$

Sequence: A158056
Score: 14.0848
Type of gen. func.: ogf

$$- \frac{2 (7 x + 9)}{(x - 1)^3}$$

Sequence: A158056
Score: 30.3964
Type of gen. func.: lgdogf

$$- \frac{2 (17 + 7 x)}{(7 x + 9) (x - 1)}$$

Sequence: A158056
Score: 6.67815
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 18, a(1) = 68, a(2) = 150\}$$

Sequence: A158056
Score: 6.73621
Type of gen. func.: ogf

$$(72320 f(x) - 1628079) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 14 x + 18)$$

Sequence: A158057
Score: 10.1407
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 17\}$$

Sequence: A158057
Score: 17.7987
Type of gen. func.: revogf

$$-\frac{-17 - 2 x + (289 + 64 x)^{1/2}}{2 (1 + x)}$$

Sequence: A158057
Score: 18.2973
Type of gen. func.: ogf

$$\frac{15 x + 1}{(x - 1)^2}$$

Sequence: A158057
Score: 31.3596
Type of gen. func.: lgdogf

$$-\frac{-33 + x}{(x - 1) (x - 17)}$$

Sequence: A158057
Score: 9.45703
Type of gen. func.: ogf

$$(32 f(x) + 257) (f(x) x^2 - 2 f(x) x + f(x) - 15 x - 1)$$

Sequence: A158058
Score: 14.0177
Type of gen. func.: ogf

$$-\frac{2 (9 x + 7)}{(x - 1)^3}$$

Sequence: A158058
Score: 31.5092
Type of gen. func.: lgdogf

$$-\frac{6 (5 + 3 x)}{}$$

$$(9 x + 7) (x - 1)$$

Sequence: A158058
Score: 6.64634
Type of gen. func.: ogf

$$(153728 f(x) - 3248365) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 18 x + 14)$$

Sequence: A158058
Score: 6.64634
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 14, a(1) = 60, a(2) = 138\}$$

Sequence: A158060
Score: 17.9443
Type of gen. func.: ogf

$$- \frac{x - 26}{(x - 1)^2}$$

Sequence: A158060
Score: 26.1222
Type of gen. func.: revogf

$$- \frac{-13 - x + (169 + 25 x)^{1/2}}{1 + x}$$

Sequence: A158060
Score: 38.5613
Type of gen. func.: lgdogf

$$- \frac{-51 + x}{(x - 1) (x - 26)}$$

Sequence: A158060

Score: 9.17152
Type of gen. func.: ogf

$$(50 f(x) + 1301) (f(x) x^2 - 2 f(x) x + f(x) + x - 26)$$

Sequence: A158060
Score: 9.82662
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 26, a(1) = 51\}$$

Sequence: A158062
Score: 13.8228
Type of gen. func.: ogf

$$- \frac{2 (19 x + 17)}{(x - 1)^3}$$

Sequence: A158062
Score: 26.6324
Type of gen. func.: lgdogf

$$- \frac{2 (35 + 19 x)}{(19 x + 17) (x - 1)}$$

Sequence: A158062
Score: 6.33546
Type of gen. func.: ogf

$$(12132504 f(x) - 586033865) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 38 x + 34)$$

Sequence: A158062
Score: 6.49791
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 34, a(1) = 140, a(2) = 318\}$$

Sequence: A158064
Score: 13.8228
Type of gen. func.: ogf

$$-\frac{2\,(17\,x+19)}{(x-1)^3}$$

Sequence: A158064
Score: 26.6324
Type of gen. func.: lgdogf

$$-\frac{2\,(37+17\,x)}{(17\,x+19)\,(x-1)}$$

Sequence: A158064
Score: 6.33546
Type of gen. func.: ogf

$$(12645720\,f(x)-628258843)\,(f(x)\,x^3-3\,f(x)\,x^2+3\,f(x)\,x-f(x)+34\,x+38)$$

Sequence: A158064
Score: 6.49791
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 38, a(1) = 148, a(2) = 330}

Sequence: A158065
Score: 16.4679
Type of gen. func.: ogf

$$-\frac{x-37}{(x-1)^2}$$

Sequence: A158065
Score: 19.0333
Type of gen. func.: revogf

$$-\frac{-37 - 2 x + (1369 + 144 x)}{2 (1 + x)}$$

Sequence: A158065
Score: 35.3476
Type of gen. func.: lgdogf

$$-\frac{-73 + x}{(x - 1) (x - 37)}$$

Sequence: A158065
Score: 8.41695
Type of gen. func.: ogf

$$(72 f(x) + 2665) (f(x) x^{2} - 2 f(x) x + f(x) + x - 37)$$

Sequence: A158065
Score: 9.01815
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 37, a(1) = 73\}$$

Sequence: A158066
Score: 17.0472
Type of gen. func.: ogf

$$-\frac{x - 50}{(x - 1)^{2}}$$

Sequence: A158066
Score: 24.8047
Type of gen. func.: revogf

$$-\frac{-25 - x + (625 + 49 x)^{1/2}}{1 + x}$$

Sequence: A158066
Score: 36.6164
Type of gen. func.: lgdogf

$$-\frac{x - 99}{(x - 1)\,(x - 50)}$$

Sequence: A158066
Score: 8.71303
Type of gen. func.: ogf

$$(98 f(x) + 4901)\,(f(x)\,x^2 - 2 f(x)\,x + f(x) + x - 50)$$

Sequence: A158066
Score: 9.33538
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\,a(n + 1) - a(n),\ a(0) = 50,\ a(1) = 99\}$$

Sequence: A158067
Score: 13.2265
Type of gen. func.: ogf

$$-\frac{2\,(33\,x + 31)}{(x - 1)^3}$$

Sequence: A158067
Score: 25.4686
Type of gen. func.: lgdogf

$$-\frac{6\,(21 + 11\,x)}{(33\,x + 31)\,(x - 1)}$$

Sequence: A158067
Score: 6.01202
Type of gen. func.: ogf

$$(13588480 f(x) - 1173723623)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 66 x + 62)$$

Sequence: A158067
Score: 6.21756
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 62, a(1) = 252, a(2) = 570\}$$

Sequence: A158068
Score: 11.6623
Type of gen. func.: ogf

$$- \frac{5 x^4 + x^2 + x + 1}{(x - 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A158068
Score: 11.7190
Type of gen. func.: lgdogf

$$- \frac{5 x^8 - 2 x^6 + 12 x^5 - 12 x^4 + 18 x^3 + x^2 + 2}{(x - 1) (x^2 + x + 1) (x^2 - x + 1) (5 x^4 + x^2 + x + 1)}$$

Sequence: A158070
Score: 12.4852
Type of gen. func.: ogf

$$- \frac{2 x (31 x + 33)}{(x - 1)^3}$$

Sequence: A158070
Score: 25.4686
Type of gen. func.: lgdogf

$$- \frac{2 (65 + 31 x)}{(31 x + 33) (x - 1)}$$

Sequence: A158070
Score: 5.98884
Type of gen. func.: ogf

$$(7022592 f(x) - 310728151)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 62 x^2 - f(x) + 66 x)$$

Sequence: A158070
Score: 6.46165
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 66, a(2) = 260\}$$

Sequence: A158071
Score: 17.5437
Type of gen. func.: ogf

$$- \frac{x - 65}{(x - 1)^2}$$

Sequence: A158071
Score: 20.3022
Type of gen. func.: revogf

$$- \frac{-65 - 2 x + (4225 + 256 x)^{1/2}}{2 (1 + x)}$$

Sequence: A158071
Score: 35.9902
Type of gen. func.: lgdogf

$$- \frac{x - 129}{(x - 1) (x - 65)}$$

Sequence: A158071

Score: 8.86827
Type of gen. func.: ogf

$$(128 f(x) + 8321) (f(x) x^2 - 2 f(x) x + f(x) + x - 65)$$

Sequence: A158071
Score: 9.49426
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 65, a(1) = 129\}$$

Sequence: A158083
Score: 8.68660
Type of gen. func.: ogf

$$-\frac{8 x^6 - 12 x^5 - 2 x^4 - x^3 - x^2 + x - 2}{(x - 1)^2}$$

Sequence: A158083
Score: 9.49767
Type of gen. func.: lgdogf

$$\frac{32 x^6 - 84 x^5 + 56 x^4 + 7 x^3 + 3 x^2 + x + 3}{(x - 1) (8 x^6 - 12 x^5 - 2 x^4 - x^3 - x^2 + x - 2)}$$

Sequence: A158090
Score: 10.5726
Type of gen. func.: lgdogf

$$-\frac{x (3 x^{13} + 4 x^{12} + 14 x^9 + 18 x^7 + 6 x^4 + 5 x^3 + 4)}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1) (x^6 + x^5 + 2 x^2 + 2)}$$

Sequence: A158090
Score: 11.7493
Type of gen. func.: ogf

$$-\frac{3 x (x^6 + x^5 + 2 x^2 + 2)}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A158111
Score: 5.70759
Type of gen. func.: ogf

$$\{(-27 n^3 - 126 n^2 - 195 n - 100) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A158121
Score: 5.16115
Type of gen. func.: ogf

$$-\frac{x^6 - 6 x^5 + 15 x^4 - 13 x^3 + 66 x^2 + 51 x + 6}{(x - 1)^7}$$

Sequence: A158123
Score: 17.2757
Type of gen. func.: ogf

$$-\frac{x - 82}{(x - 1)^2}$$

Sequence: A158123
Score: 24.3607
Type of gen. func.: revogf

$$-\frac{-41 - x + (1681 + 81 x)^{1/2}}{1 + x}$$

Sequence: A158123
Score: 35.4338
Type of gen. func.: lgdogf

$$-\frac{x - 163}{(x - 1) (x - 82)}$$

Sequence: A158123
Score: 8.63782
Type of gen. func.: ogf

$$(162 f(x) + 13285) (f(x) x^2 - 2 f(x) x + f(x) + x - 82)$$

Sequence: A158123
Score: 9.34918
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 82, a(1) = 163\}$$

Sequence: A158127
Score: 13.0151
Type of gen. func.: ogf

$$-\frac{2 (49 x + 51)}{(x - 1)^3}$$

Sequence: A158127
Score: 24.6423
Type of gen. func.: lgdogf

$$-\frac{2 (101 + 49 x)}{(49 x + 51) (x - 1)}$$

Sequence: A158127
Score: 5.87779
Type of gen. func.: ogf

$$(106145000 f(x) - 14511656493)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 98 x + 102)$$

Sequence: A158127
Score: 6.17667
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 102, a(1) = 404, a(2) = 906\}$

Sequence: A158128
Score: 17.2301
Type of gen. func.: ogf

$$-\frac{x - 101}{(x - 1)^2}$$

Sequence: A158128
Score: 19.3824
Type of gen. func.: revogf

$$-\frac{-101 - 2 x + (10201 + 400 x)^{1/2}}{2 (1 + x)}$$

Sequence: A158128
Score: 34.5513
Type of gen. func.: lgdogf

$$-\frac{x - 201}{(x - 1) (x - 101)}$$

Sequence: A158128
Score: 8.70771
Type of gen. func.: ogf

$$(200 f(x) + 20201) (f(x) x^2 - 2 f(x) x + f(x) + x - 101)$$

Sequence: A158128
Score: 9.41648
Type of gen. func.: ogf

$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 101, a(1) = 201\}$

Sequence: A158129
Score: 13.4382
Type of gen. func.: ogf

$$-\frac{2\,(51\,x+49)}{(x-1)^3}$$

Sequence: A158129
Score: 26.3645
Type of gen. func.: lgdogf

$$-\frac{6\,(33+17\,x)}{(51\,x+49)\,(x-1)}$$

Sequence: A158129
Score: 6.1182
Type of gen. func.: ogf

$$(81335000\, f(x) - 11007656161)$$

$$(f(x)\, x^3 - 3\, f(x)\, x^2 + 3\, f(x)\, x - f(x) + 102\, x + 98)$$

Sequence: A158129
Score: 6.43196
Type of gen. func.: ogf

$$\{a(n + 3) - 3\, a(n + 2) + 3\, a(n + 1) - a(n),\ a(0) = 98,\ a(1) = 396,\ a(2) = 894\}$$

Sequence: A158130
Score: 16.8054
Type of gen. func.: ogf

$$\frac{x+120}{(x-1)^2}$$

Sequence: A158130
Score: 23.4790
Type of gen. func.: revogf

$$-\frac{-60 - x + (3600 + 121 x)^{1/2}}{x - 1}$$

Sequence: A158130
Score: 35.2185
Type of gen. func.: lgdogf

$$-\frac{x + 241}{(x + 120) (x - 1)}$$

Sequence: A158130
Score: 8.49303
Type of gen. func.: ogf

$$(242 f(x) + 29041) (f(x) x^2 - 2 f(x) x + f(x) - x - 120)$$

Sequence: A158130
Score: 9.18433
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 120, a(1) = 241\}$$

Sequence: A158131
Score: 16.8054
Type of gen. func.: ogf

$$-\frac{x - 122}{(x - 1)^2}$$

Sequence: A158131
Score: 23.4790
Type of gen. func.: revogf

$$-61 - x + (3721 + 121 x)^{1/2}$$

```
- ---------------------------
           1 + x
```

Sequence: A158131
Score: 33.6873
Type of gen. func.: lgdogf

$$-\frac{x - 243}{(x - 1)\,(x - 122)}$$

Sequence: A158131
Score: 8.49303
Type of gen. func.: ogf

$$(242\,f(x) + 29525)\,(f(x)\,x^2 - 2\,f(x)\,x + f(x) + x - 122)$$

Sequence: A158131
Score: 9.18433
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\,a(n + 1) - a(n),\ a(0) = 122,\ a(1) = 243\}$$

Sequence: A158132
Score: 12.6825
Type of gen. func.: ogf

$$-\frac{2\,(71\,x + 73)}{(x - 1)^3}$$

Sequence: A158132
Score: 24.4413
Type of gen. func.: lgdogf

$$-\frac{2\,(145 + 71\,x)}{(71\,x + 73)\,(x - 1)}$$

Sequence: A158132

Score: 5.69216
Type of gen. func.: ogf

$$(3187569024 f(x) - 626548473865)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 142 x + 146)$$

Sequence: A158132
Score: 6.07482
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 146, a(1) = 580, a(2) = 1302\}$$

Sequence: A158133
Score: 16.9654
Type of gen. func.: ogf

$$-\frac{x - 145}{(x - 1)^2}$$

Sequence: A158133
Score: 19.0812
Type of gen. func.: revogf

$$-\frac{-145 - 2 x + (21025 + 576 x)^{1/2}}{2 (1 + x)}$$

Sequence: A158133
Score: 34.0143
Type of gen. func.: lgdogf

$$-\frac{x - 289}{(x - 1) (x - 145)}$$

Sequence: A158133
Score: 8.57392
Type of gen. func.: ogf

$$(288 f(x) + 41761) (f(x) x^2 - 2 f(x) x + f(x) + x - 145)$$

Sequence: A158133
Score: 9.27179
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 145, a(1) = 289\}$$

Sequence: A158135
Score: 12.6825
Type of gen. func.: ogf

$$- \frac{2 (73 x + 71)}{(x - 1)^3}$$

Sequence: A158135
Score: 24.4413
Type of gen. func.: lgdogf

$$- \frac{2 (143 + 73 x)}{(73 x + 71) (x - 1)}$$

Sequence: A158135
Score: 5.69216
Type of gen. func.: ogf

$$(3154723200 f(x) - 615744789767) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 146 x + 142)$$

Sequence: A158135
Score: 6.07482
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 142, a(1) = 572, a(2) = 1290\}$$

Sequence: A158136
Score: 16.9654
Type of gen. func.: ogf

$$\frac{143 + x}{(x - 1)^2}$$

Sequence: A158136
Score: 19.0812
Type of gen. func.: revogf

$$-\frac{-143 - 2 x + (20449 + 576 x)^{1/2}}{2 (x - 1)}$$

Sequence: A158136
Score: 35.5604
Type of gen. func.: lgdogf

$$-\frac{x + 287}{(143 + x) (x - 1)}$$

Sequence: A158136
Score: 8.57392
Type of gen. func.: ogf

$$(288 f(x) + 41185) (f(x) x^2 - 2 f(x) x + f(x) - x - 143)$$

Sequence: A158136
Score: 9.27179
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 143, a(1) = 287\}$$

Sequence: A158137
Score: 6.06136
Type of gen. func.: ogf

$$\frac{2x^7+x^6+2x^4+4x^3+2x-2}{(x^2+x+1)(x^6+x^3+1)}$$

Sequence: A158138
Score: 7.72054
Type of gen. func.: lgdogf

$$-\frac{x^9+x^8-2x^7+8x^6+26x^5+44x^4+45x^3+37x^2+16x+4}{(x-1)(1+x)(x^2+x+1)(x^6-2x^4+2x^3+4x^2+4x+1)}$$

Sequence: A158138
Score: 8.16732
Type of gen. func.: ogf

$$-\frac{x^6-2x^4+2x^3+4x^2+4x+1}{(x^2+x+1)(1+x)^2(x-1)^3}$$

Sequence: A158186
Score: 12.8609
Type of gen. func.: ogf

$$-\frac{18x^2+x+1}{(x-1)^3}$$

Sequence: A158186
Score: 22.3523
Type of gen. func.: lgdogf

$$-\frac{2(x+2)(9x+1)}{(x-1)(18x^2+x+1)}$$

Sequence: A158186
Score: 6.48272

Type of gen. func.: ogf

$$(570800 f(x) - 3555303) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 18 x^2 - f(x) + x + 1)$$

Sequence: A158186
Score: 7.05641
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 4, a(2) = 27\}$$

Sequence: A158187
Score: 12.9822
Type of gen. func.: ogf

$$- \frac{11 x^2 + 8 x + 1}{(x - 1)^3}$$

Sequence: A158187
Score: 20.7856
Type of gen. func.: lgdogf

$$- \frac{11 x^2 + 38 x + 11}{(x - 1) (11 x^2 + 8 x + 1)}$$

Sequence: A158187
Score: 6.93877
Type of gen. func.: ogf

$$(113 f(x) - 725) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 11 x^2 - f(x) + 8 x + 1)$$

Sequence: A158187
Score: 7.06050
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 11, a(2) = 41\}$$

Sequence: A158196
Score: 11.0597
Type of gen. func.: revogf

$$1/8 + x/2 - 2 x^2 - \frac{((16 x^2 + 1) (-1 + 4 x)^2)^{1/2}}{8}$$

Sequence: A158196
Score: 6.75735
Type of gen. func.: ogf

$$-16 f(x)^2 x^2 + 3 f(x)^2 x + 4 f(x) x - f(x) - 4 x + 1$$

Sequence: A158197
Score: 10.6835
Type of gen. func.: revogf

$$1/8 + x/2 - \frac{25 x^2}{8} - \frac{((25 x^2 + 2 x + 1) (5 x - 1)^2)^{1/2}}{8}$$

Sequence: A158197
Score: 7.31428
Type of gen. func.: ogf

$$-25 f(x)^2 x^2 + 4 f(x)^2 x + 4 f(x) x - f(x) - 4 x + 1$$

Sequence: A158218
Score: 12.8681
Type of gen. func.: ogf

$$- \frac{171 x + 167}{(x - 1)^3}$$

Sequence: A158218
Score: 23.2057

Type of gen. func.: lgdogf

$$-\frac{6\,(112 + 57\,x)}{(171\,x + 167)\,(x - 1)}$$

Sequence: A158218
Score: 5.64218
Type of gen. func.: ogf

$$(63888100900\,f(x) - 14642204271173)$$

$$(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x - f(x) + 171\,x + 167)$$

Sequence: A158218
Score: 6.16372
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 167,\ a(1) = 672,\ a(2) = 1515\}$$

Sequence: A158219
Score: 17.0454
Type of gen. func.: ogf

$$\frac{x + 168}{(x - 1)^{2}}$$

Sequence: A158219
Score: 23.8209
Type of gen. func.: revogf

$$-\frac{-84 - x + (7056 + 169\,x)^{1/2}}{x - 1}$$

Sequence: A158219
Score: 35.7314
Type of gen. func.: lgdogf

$$-\frac{x + 337}{(x + 168)\ (x - 1)}$$

Sequence: A158219
Score: 8.61436
Type of gen. func.: ogf

$$(338\ f(x) + 56785)\ (f(x)\ x^{2} - 2\ f(x)\ x + f(x) - x - 168)$$

Sequence: A158219
Score: 9.31553
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\ a(n + 1) - a(n),\ a(0) = 168,\ a(1) = 337\}$$

Sequence: A158220
Score: 12.8681
Type of gen. func.: ogf

$$-\frac{167\ x + 171}{(x - 1)^{3}}$$

Sequence: A158220
Score: 22.4805
Type of gen. func.: lgdogf

$$-\frac{2\ (340 + 167\ x)}{(167\ x + 171)\ (x - 1)}$$

Sequence: A158220
Score: 5.59911
Type of gen. func.: ogf

$$(193363339468\ f(x) - 44582477678355)$$

$$(f(x)\ x^{3} - 3\ f(x)\ x^{2} + 3\ f(x)\ x - f(x) + 167\ x + 171)$$

Sequence: A158220
Score: 6.16372
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 171, a(1) = 680, a(2) = 1527\}$$

Sequence: A158221
Score: 17.0454
Type of gen. func.: ogf

$$-\frac{x - 170}{(x - 1)^2}$$

Sequence: A158221
Score: 23.8209
Type of gen. func.: revogf

$$-\frac{-85 - x + (7225 + 169 x)^{1/2}}{1 + x}$$

Sequence: A158221
Score: 34.1779
Type of gen. func.: lgdogf

$$-\frac{x - 339}{(x - 1) (x - 170)}$$

Sequence: A158221
Score: 8.61436
Type of gen. func.: ogf

$$(338 f(x) + 57461) (f(x) x^2 - 2 f(x) x + f(x) + x - 170)$$

Sequence: A158221
Score: 9.31553
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 170, a(1) = 339\}$$

Sequence: A158222
Score: 12.9919
Type of gen. func.: ogf

$$-\frac{2 (97 x + 99)}{(x - 1)^3}$$

Sequence: A158222
Score: 25.0493
Type of gen. func.: lgdogf

$$-\frac{2 (197 + 97 x)}{(97 x + 99) (x - 1)}$$

Sequence: A158222
Score: 5.74059
Type of gen. func.: ogf

$$(10925414360 f(x) - 2920221725163) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 194 x + 198)$$

Sequence: A158222
Score: 6.22299
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 198, a(1) = 788, a(2) = 1770\}$$

Sequence: A158223
Score: 17.0454
Type of gen. func.: ogf

$$-\frac{-197 + x}{(x - 1)^2}$$

Sequence: A158223
Score: 19.1729
Type of gen. func.: revogf

$$-\frac{-197 - 2\,x + (38809 + 784\,x)^{1/2}}{2\,(1 + x)}$$

Sequence: A158223
Score: 34.1779
Type of gen. func.: lgdogf

$$-\frac{x - 393}{(x - 1)\,(-197 + x)}$$

Sequence: A158223
Score: 8.61436
Type of gen. func.: ogf

$$(392\,f(x) + 77225)\,(f(x)\,x^2 - 2\,f(x)\,x + f(x) + x - 197)$$

Sequence: A158223
Score: 9.31553
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\,a(n + 1) - a(n),\ a(0) = 197,\ a(1) = 393\}$$

Sequence: A158224
Score: 12.9919
Type of gen. func.: ogf

$$-\frac{2\,(99\,x + 97)}{(x - 1)^3}$$

Sequence: A158224
Score: 25.9439
Type of gen. func.: lgdogf

$$-\frac{6 (65 + 33 x)}{(99 x + 97) (x - 1)}$$

Sequence: A158224
Score: 5.83099
Type of gen. func.: ogf

$$(3614196488 f(x) - 961047265075)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 198 x + 194)$$

Sequence: A158224
Score: 6.22299
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 194, a(1) = 780, a(2) = 1758\}$$

Sequence: A158225
Score: 17.0454
Type of gen. func.: ogf

$$\frac{195 + x}{(x - 1)^2}$$

Sequence: A158225
Score: 19.1729
Type of gen. func.: revogf

$$-\frac{-195 - 2 x + (38025 + 784 x)^{1/2}}{2 (x - 1)}$$

Sequence: A158225
Score: 35.7314
Type of gen. func.: lgdogf

$$x + 391$$

$$-\frac{\qquad}{(195 + x) (x - 1)}$$

Sequence: A158225
Score: 8.61436
Type of gen. func.: ogf

$$(392 f(x) + 76441) (f(x) x^{2} - 2 f(x) x + f(x) - x - 195)$$

Sequence: A158225
Score: 9.31553
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 195, a(1) = 391\}$$

Sequence: A158226
Score: 13.1156
Type of gen. func.: ogf

$$-\frac{227 x + 223}{(x - 1)^{3}}$$

Sequence: A158226
Score: 22.9213
Type of gen. func.: lgdogf

$$-\frac{2 (448 + 227 x)}{(227 x + 223) (x - 1)}$$

Sequence: A158226
Score: 5.66355
Type of gen. func.: ogf

$$(602839867500 f(x) - 184079125376743)$$

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x - f(x) + 227 x + 223)$$

Sequence: A158226
Score: 6.28225
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 223, a(1) = 896, a(2) = 2019\}$$

Sequence: A158227
Score: 17.1255
Type of gen. func.: ogf

$$\frac{x + 224}{(x - 1)^2}$$

Sequence: A158227
Score: 22.5672
Type of gen. func.: revogf

$$-\frac{-112 - x + (12544 + 225 x)^{1/2}}{x - 1}$$

Sequence: A158227
Score: 35.9024
Type of gen. func.: lgdogf

$$-\frac{449 + x}{(x + 224) (x - 1)}$$

Sequence: A158227
Score: 8.56273
Type of gen. func.: ogf

$$(450 f(x) + 100801) (f(x) x^2 - 2 f(x) x + f(x) - x - 224)$$

Sequence: A158227
Score: 9.35927
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 224, a(1) = 449\}$$

Sequence: A158228
Score: 13.1156
Type of gen. func.: ogf

$$-\frac{223 x + 227}{(x - 1)^{3}}$$

Sequence: A158228
Score: 22.9213
Type of gen. func.: lgdogf

$$-\frac{2 (452 + 223 x)}{(223 x + 227) (x - 1)}$$

Sequence: A158228
Score: 5.66355
Type of gen. func.: ogf

$$(606849367500 f(x) - 186139720219307)$$

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x - f(x) + 223 x + 227)$$

Sequence: A158228
Score: 6.28225
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 227, a(1) = 904, a(2) = 2031\}$$

Sequence: A158229
Score: 17.1255
Type of gen. func.: ogf

$$-\frac{x - 226}{(x - 1)^{2}}$$

Sequence: A158229
Score: 22.5672
Type of gen. func.: revogf

$$-\frac{-113 - x + (12769 + 225\,x)^{1/2}}{1 + x}$$

Sequence: A158229
Score: 34.3414
Type of gen. func.: lgdogf

$$-\frac{-451 + x}{(x - 1)\,(x - 226)}$$

Sequence: A158229
Score: 8.56273
Type of gen. func.: ogf

$$(450\,f(x) + 101701)\,(f(x)\,x^{2} - 2\,f(x)\,x + f(x) + x - 226)$$

Sequence: A158229
Score: 9.35927
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\,a(n + 1) - a(n),\ a(0) = 226,\ a(1) = 451\}$$

Sequence: A158230
Score: 13.3012
Type of gen. func.: ogf

$$-\frac{2\,(127\,x + 129)}{(x - 1)^{3}}$$

Sequence: A158230
Score: 23.2519
Type of gen. func.: lgdogf

$$- \frac{2 (257 + 127 x)}{(127 x + 129) (x - 1)}$$

Sequence: A158230
Score: 5.83206
Type of gen. func.: ogf

$$(31767756800 f(x) - 11083646076033)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 254 x + 258)$$

Sequence: A158230
Score: 6.31806
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 258, a(1) = 1028, a(2) = 2310\}$$

Sequence: A158231
Score: 16.3555
Type of gen. func.: ogf

$$- \frac{-257 + x}{(x - 1)^2}$$

Sequence: A158231
Score: 17.9489
Type of gen. func.: revogf

$$- \frac{-257 - 2 x + (66049 + 1024 x)^{1/2}}{2 (1 + x)}$$

Sequence: A158231
Score: 32.7763
Type of gen. func.: lgdogf

$$- \frac{-513 + x}{}$$

$$(x - 1) (-257 + x)$$

Sequence: A158231
Score: 8.17776
Type of gen. func.: ogf

$$(512 f(x) + 131585) (f(x) x^2 - 2 f(x) x + f(x) + x - 257)$$

Sequence: A158231
Score: 8.93848
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 257, a(1) = 513\}$$

Sequence: A158249
Score: 13.3012
Type of gen. func.: ogf

$$- \frac{2 (129 x + 127)}{(x - 1)^3}$$

Sequence: A158249
Score: 24.8021
Type of gen. func.: lgdogf

$$- \frac{6 (85 + 43 x)}{(129 x + 127) (x - 1)}$$

Sequence: A158249
Score: 5.87727
Type of gen. func.: ogf

$$(10527735808 f(x) - 3658577925845)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 258 x + 254)$$

Sequence: A158249

Score: 6.31806
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 254, a(1) = 1020, a(2) = 2298\}$$

Sequence: A158250
Score: 16.3555
Type of gen. func.: ogf

$$\frac{255 + x}{(x - 1)^2}$$

Sequence: A158250
Score: 17.9489
Type of gen. func.: revogf

$$-\frac{-255 - 2 x + (65025 + 1024 x)^{1/2}}{2 (x - 1)}$$

Sequence: A158250
Score: 34.2661
Type of gen. func.: lgdogf

$$-\frac{x + 511}{(255 + x) (x - 1)}$$

Sequence: A158250
Score: 8.17776
Type of gen. func.: ogf

$$(512 f(x) + 130561) (f(x) x^2 - 2 f(x) x + f(x) - x - 255)$$

Sequence: A158250
Score: 8.93848
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 255, a(1) = 511\}$$

Sequence: A158252
Score: 12.8819
Type of gen. func.: ogf

$$-\frac{291 x + 287}{(x - 1)^{3}}$$

Sequence: A158252
Score: 23.2349
Type of gen. func.: lgdogf

$$-\frac{6 (192 + 97 x)}{(291 x + 287) (x - 1)}$$

Sequence: A158252
Score: 5.60509
Type of gen. func.: ogf

$$(182448283660 f(x) - 71593290036911)$$

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x - f(x) + 291 x + 287)$$

Sequence: A158252
Score: 6.11889
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 287, a(1) = 1152,$

$a(2) = 2595\}$

Sequence: A158253
Score: 16.1683
Type of gen. func.: ogf

$$\frac{x + 288}{(x - 1)^{2}}$$

Sequence: A158253
Score: 21.2901
Type of gen. func.: revogf

$$-\frac{-144 - x + (20736 + 289 x)^{1/2}}{x - 1}$$

Sequence: A158253
Score: 33.8706
Type of gen. func.: lgdogf

$$-\frac{577 + x}{(x + 288) (x - 1)}$$

Sequence: A158253
Score: 8.08414
Type of gen. func.: ogf

$$(578 f(x) + 166465) (f(x) x^2 - 2 f(x) x + f(x) - x - 288)$$

Sequence: A158253
Score: 8.83615
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 288, a(1) = 577\}$$

Sequence: A158254
Score: 12.8819
Type of gen. func.: ogf

$$-\frac{287 x + 291}{(x - 1)^3}$$

Sequence: A158254
Score: 22.5088
Type of gen. func.: lgdogf

$$-\frac{2\,(580 + 287\,x)}{(287\,x + 291)\,(x - 1)}$$

Sequence: A158254
Score: 5.60509
Type of gen. func.: ogf

$$(235790139604\,f(x) - 92849738585085)$$

$$(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x - f(x) + 287\,x + 291)$$

Sequence: A158254
Score: 6.11889
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 291,\ a(1) = 1160,\ a(2) = 2607\}$$

Sequence: A158255
Score: 16.1683
Type of gen. func.: ogf

$$-\frac{x - 290}{(x - 1)^{2}}$$

Sequence: A158255
Score: 21.2901
Type of gen. func.: revogf

$$-\frac{-145 - x + (21025 + 289\,x)^{1/2}}{1 + x}$$

Sequence: A158255
Score: 32.3980
Type of gen. func.: lgdogf

$$-\frac{-579 + x}{(x - 1)\,(x - 290)}$$

Sequence: A158255
Score: 8.08414
Type of gen. func.: ogf

$$(578 f(x) + 167621) (f(x) x^2 - 2 f(x) x + f(x) + x - 290)$$

Sequence: A158255
Score: 8.83615
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 290, a(1) = 579\}$$

Sequence: A158266
Score: 8.93147
Type of gen. func.: lgdogf

$$(16 n^2 + 80 n + 100) a(n + 1) + (-n^2 - 6 n - 9) a(n + 2), a(0) = 1, a(1) = 9$$

Sequence: A158271
Score: 12.4037
Type of gen. func.: ogf

$$- \frac{2 (161 x + 163)}{(x - 1)^3}$$

Sequence: A158271
Score: 21.6609
Type of gen. func.: lgdogf

$$- \frac{2 (325 + 161 x)}{(161 x + 163) (x - 1)}$$

Sequence: A158271
Score: 5.4807
Type of gen. func.: ogf

$$(11637061992 f(x) - 5136446039485)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 322 x + 326)$$

Sequence: A158271
Score: 5.89176
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 326, a(1) = 1300,$$
$$a(2) = 2922\}$$

Sequence: A158272
Score: 16.4822
Type of gen. func.: ogf

$$-\frac{-325 + x}{(x - 1)^2}$$

Sequence: A158272
Score: 17.6723
Type of gen. func.: revogf

$$-\frac{-325 - 2 x + (105625 + 1296 x)^{1/2}}{2 (1 + x)}$$

Sequence: A158272
Score: 33.0395
Type of gen. func.: lgdogf

$$-\frac{-649 + x}{(x - 1) (-325 + x)}$$

Sequence: A158272
Score: 8.24111
Type of gen. func.: ogf

$$(648 f(x) + 210601) (f(x) x^2 - 2 f(x) x + f(x) + x - 325)$$

Sequence: A158272
Score: 9.00773
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 325, a(1) = 649\}$$

Sequence: A158289
Score: 25.1750
Type of gen. func.: ogf_with_Euler_transform]

$$x^{17} - 2 x^{8} + 2$$

Sequence: A158289
Score: 6.64246
Type of gen. func.: ogf

$$- \frac{x (x^{2} + x + 1) (x^{6} + x^{3} + 1)}{(x - 1) (1 + x) (x^{2} - x + 1) (x^{6} - x^{3} + 1)}$$

Sequence: A158302
Score: 15.6887
Type of gen. func.: ogf

$$\frac{2 x^{2} - 2 x - 1}{(2 x - 1) (2 x + 1)}$$

Sequence: A158302
Score: 16.7698
Type of gen. func.: lgdogf

$$\frac{2 (4 x^{2} + 2 x + 1)}{(2 x + 1) (2 x - 1) (2 x^{2} - 2 x - 1)}$$

Sequence: A158302
Score: 9.15174
Type of gen. func.: ogf

$$\{a(n+3) - 4\,a(n+1),\ a(0) = 1,\ a(1) = 2,\ a(2) = 2\}$$

Sequence: A158302
Score: 9.60933
Type of gen. func.: ogf

$$-(10\,f(x) - 3)\,(4\,f(x)\,x^2 - 2\,x^2 - f(x) + 2\,x + 1)$$

Sequence: A158305
Score: 12.4037
Type of gen. func.: ogf

$$-\frac{2\,(163\,x + 161)}{(x - 1)^3}$$

Sequence: A158305
Score: 21.6609
Type of gen. func.: lgdogf

$$-\frac{2\,(323 + 163\,x)}{(163\,x + 161)\,(x - 1)}$$

Sequence: A158305
Score: 5.43854
Type of gen. func.: ogf

$$(81085299480\,f(x) - 35678243772377)$$

$$(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x - f(x) + 326\,x + 322)$$

Sequence: A158305
Score: 5.89176
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 322,\ a(1) = 1292,$$

$a(2) = 2910\}$

Sequence: A158306
Score: 16.4822
Type of gen. func.: ogf

$$\frac{323 + x}{(x - 1)^2}$$

Sequence: A158306
Score: 17.6723
Type of gen. func.: revogf

$$- \frac{-323 - 2 x + (104329 + 1296 x)^{1/2}}{2 (x - 1)}$$

Sequence: A158306
Score: 34.5413
Type of gen. func.: lgdogf

$$- \frac{647 + x}{(323 + x) (x - 1)}$$

Sequence: A158306
Score: 8.24111
Type of gen. func.: ogf

$$(648 f(x) + 209305) (f(x) x^2 - 2 f(x) x + f(x) - x - 323)$$

Sequence: A158306
Score: 9.00773
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 323, a(1) = 647\}$$

Sequence: A158307
Score: 12.4645
Type of gen. func.: ogf

$$-\frac{363 x + 359}{(x - 1)^{3}}$$

Sequence: A158307
Score: 21.7692
Type of gen. func.: lgdogf

$$-\frac{6 (240 + 121 x)}{(363 x + 359) (x - 1)}$$

Sequence: A158307
Score: 5.38239
Type of gen. func.: ogf

$$(444427450892 f(x) - 217918225729495)$$

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x - f(x) + 363 x + 359)$$

Sequence: A158307
Score: 5.92064
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 359, a(1) = 1440,$

$a(2) = 3243\}$

Sequence: A158308
Score: 16.2132
Type of gen. func.: ogf

$$\frac{x + 360}{(x - 1)^{2}}$$

Sequence: A158308
Score: 21.3533
Type of gen. func.: revogf

$$-\frac{-180 - x + (32400 + 361 x)^{1/2}}{x - 1}$$

Sequence: A158308
Score: 33.9712
Type of gen. func.: lgdogf

$$-\frac{721 + x}{(x + 360) (x - 1)}$$

Sequence: A158308
Score: 8.1066
Type of gen. func.: ogf

$$(722 f(x) + 259921) (f(x) x^2 - 2 f(x) x + f(x) - x - 360)$$

Sequence: A158308
Score: 8.86070
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 360, a(1) = 721\}$$

Sequence: A158309
Score: 12.4645
Type of gen. func.: ogf

$$-\frac{359 x + 363}{(x - 1)^3}$$

Sequence: A158309
Score: 21.7692
Type of gen. func.: lgdogf

$$-\frac{2 (724 + 359 x)}{(359 x + 363) (x - 1)}$$

```
------------------------------------------------------------------------------

Sequence:  A158309
Score: 5.30206
Type of gen. func.: ogf


(4016407208140 f(x) - 1974918895485651)

           3            2
    (f(x) x  - 3 f(x) x  + 3 f(x) x - f(x) + 359 x + 363)



------------------------------------------------------------------------------

Sequence:  A158309
Score: 5.92064
Type of gen. func.: ogf


{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 363, a(1) = 1448,

    a(2) = 3255}



------------------------------------------------------------------------------

Sequence:  A158310
Score: 16.2132
Type of gen. func.: ogf

                                        x - 362
                                      - --------
                                               2
                                        (x - 1)



------------------------------------------------------------------------------

Sequence:  A158310
Score: 21.3533
Type of gen. func.: revogf

                                                         1/2
                             -181 - x + (32761 + 361 x)
                           - ----------------------------
                                          1 + x



------------------------------------------------------------------------------

Sequence:  A158310
Score: 32.4942
Type of gen. func.: lgdogf

                                       -723 + x
                                 - -----------------
                                   (x - 1) (x - 362)



------------------------------------------------------------------------------
```

Sequence: A158310
Score: 8.1066
Type of gen. func.: ogf

$$(722 f(x) + 261365) (f(x) x^2 - 2 f(x) x + f(x) + x - 362)$$

Sequence: A158310
Score: 8.86070
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 362, a(1) = 723\}$$

Sequence: A158312
Score: 12.5861
Type of gen. func.: ogf

$$- \frac{2 (199 x + 201)}{(x - 1)^3}$$

Sequence: A158312
Score: 21.9858
Type of gen. func.: lgdogf

$$- \frac{2 (401 + 199 x)}{(199 x + 201) (x - 1)}$$

Sequence: A158312
Score: 5.4349
Type of gen. func.: ogf

$$(189152240000 f(x) - 103042417521801)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 398 x + 402)$$

Sequence: A158312
Score: 5.97840
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 402, a(1) = 1604,$$

a(2) = 3606}

Sequence: A158313
Score: 15.8661
Type of gen. func.: ogf

$$-\frac{-401 + x}{(x - 1)^2}$$

Sequence: A158313
Score: 17.0036
Type of gen. func.: revogf

$$-\frac{-401 - 2 x + (160801 + 1600 x)^{1/2}}{2 (1 + x)}$$

Sequence: A158313
Score: 31.7894
Type of gen. func.: lgdogf

$$-\frac{-801 + x}{(x - 1) (-401 + x)}$$

Sequence: A158313
Score: 7.93303
Type of gen. func.: ogf

$$(800 f(x) + 320801) (f(x) x^2 - 2 f(x) x + f(x) + x - 401)$$

Sequence: A158313
Score: 8.67100
Type of gen. func.: ogf

{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 401, a(1) = 801}

Sequence: A158316

Score: 12.5253
Type of gen. func.: ogf

$$-\frac{2\,(201 x + 199)}{(x-1)^3}$$

Sequence: A158316
Score: 22.5832
Type of gen. func.: lgdogf

$$-\frac{6\,(133 + 67 x)}{(201 x + 199)\,(x-1)}$$

Sequence: A158316
Score: 5.49186
Type of gen. func.: ogf

$$(62816080000 f(x) - 34133071493933)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 402 x + 398)$$

Sequence: A158316
Score: 5.94952
Type of gen. func.: ogf

$$\{a(n+3) - 3 a(n+2) + 3 a(n+1) - a(n),\ a(0) = 398,\ a(1) = 1596,\ a(2) = 3594\}$$

Sequence: A158317
Score: 15.7887
Type of gen. func.: ogf

$$\frac{399 + x}{(x-1)^2}$$

Sequence: A158317
Score: 16.9190
Type of gen. func.: revogf

$$-\frac{-399 - 2 x + (159201 + 1600 x)^{1/2}}{2 (x - 1)}$$

Sequence: A158317
Score: 33.0690
Type of gen. func.: lgdogf

$$-\frac{799 + x}{(399 + x) (x - 1)}$$

Sequence: A158317
Score: 7.89434
Type of gen. func.: ogf

$$(800 f(x) + 319201) (f(x) x^2 - 2 f(x) x + f(x) - x - 399)$$

Sequence: A158317
Score: 8.62870
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 399, a(1) = 799\}$$

Sequence: A158319
Score: 16.0209
Type of gen. func.: ogf

$$\frac{x + 440}{(x - 1)^2}$$

Sequence: A158319
Score: 21.0980
Type of gen. func.: revogf

$$-\frac{-220 - x + (48400 + 441 x)^{1/2}}{x - 1}$$

Sequence: A158319
Score: 33.5650
Type of gen. func.: lgdogf

$$-\frac{x + 881}{(x + 440)\ (x - 1)}$$

Sequence: A158319
Score: 8.01043
Type of gen. func.: ogf

$$(882\ f(x) + 388081)\ (f(x)\ x^2 - 2\ f(x)\ x + f(x) - x - 440)$$

Sequence: A158319
Score: 8.75559
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\ a(n + 1) - a(n),\ a(0) = 440,\ a(1) = 881\}$$

Sequence: A158321
Score: 12.5861
Type of gen. func.: ogf

$$-\frac{439\ x + 443}{(x - 1)^3}$$

Sequence: A158321
Score: 21.9858
Type of gen. func.: lgdogf

$$-\frac{2\ (884 + 439\ x)}{(439\ x + 443)\ (x - 1)}$$

Sequence: A158321
Score: 5.35379
Type of gen. func.: ogf

$$(8941298981580 f(x) - 5369481635228771)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 439 x + 443)$$

Sequence: A158321
Score: 5.97840
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 443, a(1) = 1768,$$
$$a(2) = 3975\}$$

Sequence: A158322
Score: 16.0209
Type of gen. func.: ogf

$$-\frac{x - 442}{(x - 1)^2}$$

Sequence: A158322
Score: 21.0980
Type of gen. func.: revogf

$$-\frac{-221 - x + (48841 + 441 x)^{1/2}}{1 + x}$$

Sequence: A158322
Score: 32.1057
Type of gen. func.: lgdogf

$$-\frac{-883 + x}{(x - 1) (x - 442)}$$

Sequence: A158322
Score: 8.01043
Type of gen. func.: ogf

$$(882 f(x) + 389845) (f(x) x^2 - 2 f(x) x + f(x) + x - 442)$$

Sequence: A158322
Score: 8.75559
Type of gen. func.: ogf

$$\{-a(n+2) + 2\,a(n+1) - a(n),\ a(0) = 442,\ a(1) = 883\}$$

Sequence: A158325
Score: 12.6469
Type of gen. func.: ogf

$$-\frac{2\,(241\,x + 243)}{(x-1)^3}$$

Sequence: A158325
Score: 22.0941
Type of gen. func.: lgdogf

$$-\frac{2\,(485 + 241\,x)}{(241\,x + 243)\,(x-1)}$$

Sequence: A158325
Score: 5.46116
Type of gen. func.: ogf

$$(405333508184\,f(x) - 267120051484155)$$

$$(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x - f(x) + 482\,x + 486)$$

Sequence: A158325
Score: 6.00728
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 486,\ a(1) = 1940,$$

$$a(2) = 4362\}$$

Sequence: A158326
Score: 15.5961

Type of gen. func.: ogf

$$-\frac{-485 + x}{(x - 1)^2}$$

Sequence: A158326
Score: 16.7110
Type of gen. func.: revogf

$$-\frac{-485 - 2 x + (235225 + 1936 x)^{1/2}}{2 (1 + x)}$$

Sequence: A158326
Score: 31.2423
Type of gen. func.: lgdogf

$$-\frac{-969 + x}{(x - 1) (-485 + x)}$$

Sequence: A158326
Score: 7.79805
Type of gen. func.: ogf

$$(968 f(x) + 469481) (f(x) x^2 - 2 f(x) x + f(x) + x - 485)$$

Sequence: A158326
Score: 8.52345
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 485, a(1) = 969\}$$

Sequence: A158329
Score: 12.6469
Type of gen. func.: ogf

$$-\frac{2 (243 x + 241)}{(x - 1)^3}$$

Sequence: A158329
Score: 22.8068
Type of gen. func.: lgdogf

$$- \frac{6 (161 + 81 x)}{(243 x + 241) (x - 1)}$$

Sequence: A158329
Score: 5.50285
Type of gen. func.: ogf

$$(134695443080 f(x) - 88580430236899)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 486 x + 482)$$

Sequence: A158329
Score: 6.00728
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 482, a(1) = 1932,

a(2) = 4350}

Sequence: A158330
Score: 15.5961
Type of gen. func.: ogf

$$\frac{483 + x}{(x - 1)^2}$$

Sequence: A158330
Score: 16.7110
Type of gen. func.: revogf

$$- \frac{-483 - 2 x + (233289 + 1936 x)^{1/2}}{2 (x - 1)}$$

Sequence: A158330
Score: 32.6624
Type of gen. func.: lgdogf

$$-\frac{967 + x}{(483 + x)\ (x - 1)}$$

Sequence: A158330
Score: 7.79805
Type of gen. func.: ogf

$$(968\ f(x) + 467545)\ (f(x)\ x^2 - 2\ f(x)\ x + f(x) - x - 483)$$

Sequence: A158330
Score: 8.52345
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\ a(n + 1) - a(n),\ a(0) = 483,\ a(1) = 967\}$$

Sequence: A158364
Score: 12.7077
Type of gen. func.: ogf

$$-\frac{531\ x + 527}{(x - 1)^3}$$

Sequence: A158364
Score: 22.2024
Type of gen. func.: lgdogf

$$-\frac{6\ (352 + 177\ x)}{(531\ x + 527)\ (x - 1)}$$

Sequence: A158364
Score: 5.40551
Type of gen. func.: ogf

$$(6151783880740\ f(x) - 4422163132381853)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 531 x + 527)$$

Sequence: A158364
Score: 6.03617
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 527, a(1) = 2112, a(2) = 4755\}$$

Sequence: A158365
Score: 15.8266
Type of gen. func.: ogf

$$\frac{x + 528}{(x - 1)^2}$$

Sequence: A158365
Score: 20.8402
Type of gen. func.: revogf

$$- \frac{-264 - x + (69696 + 529 x)^{1/2}}{x - 1}$$

Sequence: A158365
Score: 31.7133
Type of gen. func.: lgdogf

$$- \frac{1057 + x}{(x + 528) (x - 1)}$$

Sequence: A158365
Score: 7.82999
Type of gen. func.: ogf

$$(1058 f(x) + 558625) (f(x) x^2 - 2 f(x) x + f(x) - x - 528)$$

Sequence: A158365
Score: 8.55000
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 528, a(1) = 1057\}$$

Sequence: A158367
Score: 12.7077
Type of gen. func.: ogf

$$-\frac{527 x + 531}{(x - 1)^3}$$

Sequence: A158367
Score: 21.5296
Type of gen. func.: lgdogf

$$-\frac{2 (1060 + 527 x)}{(527 x + 531) (x - 1)}$$

Sequence: A158367
Score: 5.32602
Type of gen. func.: ogf

$$(18507460275148 f(x) - 13329451599454875)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 527 x + 531)$$

Sequence: A158367
Score: 6.03617
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 531, a(1) = 2120,$$

$$a(2) = 4767\}$$

Sequence: A158368
Score: 15.8266
Type of gen. func.: ogf

$$-\frac{x - 530}{(x - 1)^2}$$

Sequence: A158368
Score: 20.8402
Type of gen. func.: revogf

$$-\frac{-265 - x + (70225 + 529 x)^{1/2}}{1 + x}$$

Sequence: A158368
Score: 30.3919
Type of gen. func.: lgdogf

$$-\frac{-1059 + x}{(x - 1) (x - 530)}$$

Sequence: A158368
Score: 7.82999
Type of gen. func.: ogf

$$(1058 f(x) + 560741) (f(x) x^2 - 2 f(x) x + f(x) + x - 530)$$

Sequence: A158368
Score: 8.55000
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 530, a(1) = 1059\}$$

Sequence: A158369
Score: 12.7077
Type of gen. func.: ogf

$$-\frac{2 (287 x + 289)}{(x - 1)^3}$$

Sequence: A158369
Score: 22.2024
Type of gen. func.: lgdogf

$$-\frac{2\,(577 + 287\,x)}{(287\,x + 289)\,(x - 1)}$$

Sequence: A158369
Score: 5.5293
Type of gen. func.: ogf

$$(116122429440\,f(x) - 91057203737239)$$

$$(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x - f(x) + 574\,x + 578)$$

Sequence: A158369
Score: 6.03617
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 578,\ a(1) = 2308,$$

$$a(2) = 5190\}$$

Sequence: A158370
Score: 15.9034
Type of gen. func.: ogf

$$-\frac{-577 + x}{(x - 1)^{2}}$$

Sequence: A158370
Score: 17.0469
Type of gen. func.: revogf

$$-\frac{-577 - 2\,x + (332929 + 2304\,x)^{1/2}}{2\,(1 + x)}$$

Sequence: A158370
Score: 30.5424
Type of gen. func.: lgdogf

$$-\frac{-1153 + x}{(x - 1)(-577 + x)}$$

Sequence: A158370
Score: 7.868
Type of gen. func.: ogf

$$(1152 f(x) + 664705)(f(x) x^2 - 2 f(x) x + f(x) + x - 577)$$

Sequence: A158370
Score: 8.59149
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 577, a(1) = 1153\}$$

Sequence: A158371
Score: 12.7077
Type of gen. func.: ogf

$$-\frac{2 (289 x + 287)}{(x - 1)^3}$$

Sequence: A158371
Score: 22.2024
Type of gen. func.: lgdogf

$$-\frac{2 (575 + 289 x)}{(289 x + 287)(x - 1)}$$

Sequence: A158371
Score: 5.48742
Type of gen. func.: ogf

$$(810754873344 f(x) - 634634777588255)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 578 x + 574)$$

Sequence: A158371
Score: 6.03617
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 574, a(1) = 2300,

a(2) = 5178}

Sequence: A158372
Score: 15.9034
Type of gen. func.: ogf

$$\frac{575 + x}{(x - 1)^2}$$

Sequence: A158372
Score: 17.0469
Type of gen. func.: revogf

$$- \frac{-575 - 2 x + (330625 + 2304 x)^{1/2}}{2 (x - 1)}$$

Sequence: A158372
Score: 31.8703
Type of gen. func.: lgdogf

$$- \frac{1151 + x}{(575 + x) (x - 1)}$$

Sequence: A158372
Score: 7.868
Type of gen. func.: ogf

$$(1152 f(x) + 662401) (f(x) x^2 - 2 f(x) x + f(x) - x - 575)$$

Sequence: A158372
Score: 8.59149
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\ a(n + 1) - a(n),\ a(0) = 575,\ a(1) = 1151\}$$

Sequence: A158373
Score: 12.7685
Type of gen. func.: ogf

$$-\frac{627\ x + 623}{(x - 1)^{3}}$$

Sequence: A158373
Score: 22.3107
Type of gen. func.: lgdogf

$$-\frac{6\ (416 + 209\ x)}{(627\ x + 623)\ (x - 1)}$$

Sequence: A158373
Score: 5.3515
Type of gen. func.: ogf

$$(11989264062500\ f(x) - 10183901571774781)$$

$$(f(x)\ x^{3} - 3\ f(x)\ x^{2} + 3\ f(x)\ x - f(x) + 627\ x + 623)$$

Sequence: A158373
Score: 6.06504
Type of gen. func.: ogf

$$\{a(n + 3) - 3\ a(n + 2) + 3\ a(n + 1) - a(n),\ a(0) = 623,\ a(1) = 2496,$$

$$a(2) = 5619\}$$

Sequence: A158374
Score: 15.9802
Type of gen. func.: ogf

$$\frac{x + 624}{(x - 1)^2}$$

Sequence: A158374
Score: 21.0465
Type of gen. func.: revogf

$$-\frac{-312 - x + (97344 + 625 x)^{1/2}}{x - 1}$$

Sequence: A158374
Score: 32.0273
Type of gen. func.: lgdogf

$$-\frac{1249 + x}{(x + 624) (x - 1)}$$

Sequence: A158374
Score: 7.90601
Type of gen. func.: ogf

$$(1250 f(x) + 780001) (f(x) x^2 - 2 f(x) x + f(x) - x - 624)$$

Sequence: A158374
Score: 8.63300
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 624, a(1) = 1249\}$$

Sequence: A158375
Score: 7.00580
Type of gen. func.: ogf

$$\frac{1}{1063 x^7 + 867 x^6 + 676 x^5 + 322 x^4 + 124 x^3 + 36 x^2 + 7 x + 1}$$

Sequence: A158382
Score: 12.8293
Type of gen. func.: ogf

$$-\frac{623 x + 627}{(x - 1)^3}$$

Sequence: A158382
Score: 21.7396
Type of gen. func.: lgdogf

$$-\frac{2 (1252 + 623 x)}{(623 x + 627) (x - 1)}$$

Sequence: A158382
Score: 5.45724
Type of gen. func.: ogf

$$(5150532812500 f(x) - 4382055088126701)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 623 x + 627)$$

Sequence: A158382
Score: 6.09392
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 627, a(1) = 2504,$$

$$a(2) = 5631\}$$

Sequence: A158383
Score: 16.0571
Type of gen. func.: ogf

$$-\frac{x - 626}{(x - 1)^2}$$

Sequence: A158383
Score: 21.1497
Type of gen. func.: revogf

$$-\frac{-313 - x + (97969 + 625 x)^{1/2}}{1 + x}$$

Sequence: A158383
Score: 30.8433
Type of gen. func.: lgdogf

$$-\frac{-1251 + x}{(x - 1) (x - 626)}$$

Sequence: A158383
Score: 7.94402
Type of gen. func.: ogf

$$(1250 f(x) + 782501) (f(x) x^2 - 2 f(x) x + f(x) + x - 626)$$

Sequence: A158383
Score: 8.67451
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 626, a(1) = 1251\}$$

Sequence: A158385
Score: 12.8293
Type of gen. func.: ogf

$$-\frac{2 (337 x + 339)}{(x - 1)^3}$$

Sequence: A158385
Score: 22.4190
Type of gen. func.: lgdogf

$$-\frac{2 (677 + 337 x)}{}$$

$$(337 x + 339) (x - 1)$$

Sequence: A158385
Score: 5.45724
Type of gen. func.: ogf

$$(1541799323480 f(x) - 1418709761292123)$$

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x - f(x) + 674 x + 678)$$

Sequence: A158385
Score: 6.09392
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 678, a(1) = 2708,$$
$$a(2) = 6090\}$$

Sequence: A158386
Score: 15.5540
Type of gen. func.: ogf

$$- \frac{-677 + x}{(x - 1)^{2}}$$

Sequence: A158386
Score: 16.6675
Type of gen. func.: revogf

$$- \frac{-677 - 2 x + (458329 + 2704 x)^{1/2}}{2 (1 + x)}$$

Sequence: A158386
Score: 29.8627
Type of gen. func.: lgdogf

$$- \frac{-1353 + x}{(x - 1) (-677 + x)}$$

Sequence: A158386
Score: 7.69514
Type of gen. func.: ogf

$$(1352 f(x) + 915305) (f(x) x^2 - 2 f(x) x + f(x) + x - 677)$$

Sequence: A158386
Score: 8.40274
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 677, a(1) = 1353\}$$

Sequence: A158388
Score: 13.7680
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1), a(0) = -1, a(1) = 1\}$$

Sequence: A158388
Score: 15.7348
Type of gen. func.: ogf

$$-f(x) (f(x) x - f(x) + 2 x - 1)$$

Sequence: A158388
Score: 26.7917
Type of gen. func.: ogf

$$- \frac{2 x - 1}{x - 1}$$

Sequence: A158388
Score: 30.5416
Type of gen. func.: revogf

$$- x/4 + 1/4 - \frac{(x^2 + 6 x + 1)^{1/2}}{4}$$

Sequence: A158388
Score: 61.0832
Type of gen. func.: lgdogf

$$-\frac{1}{(2x-1)(x-1)}$$

Sequence: A158392
Score: 12.8293
Type of gen. func.: ogf

$$-\frac{2(339x+337)}{(x-1)^3}$$

Sequence: A158392
Score: 22.4190
Type of gen. func.: lgdogf

$$-\frac{6(225+113x)}{(339x+337)(x-1)}$$

Sequence: A158392
Score: 5.62516
Type of gen. func.: ogf

(18992608024 f(x) - 17450160155705)

$$(f(x)x^3 - 3f(x)x^2 + 3f(x)x - f(x) + 678x + 674)$$

Sequence: A158392
Score: 6.09392
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 674, a(1) = 2700,

a(2) = 6078}

Sequence: A158393
Score: 15.5540
Type of gen. func.: ogf

$$\frac{675 + x}{(x - 1)^2}$$

Sequence: A158393
Score: 16.6675
Type of gen. func.: revogf

$$-\frac{-675 - 2 x + (455625 + 2704 x)^{1/2}}{2 (x - 1)}$$

Sequence: A158393
Score: 31.1610
Type of gen. func.: lgdogf

$$-\frac{1351 + x}{(675 + x) (x - 1)}$$

Sequence: A158393
Score: 7.69514
Type of gen. func.: ogf

$$(1352 f(x) + 912601) (f(x) x^2 - 2 f(x) x + f(x) - x - 675)$$

Sequence: A158393
Score: 8.40274
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 675, a(1) = 1351\}$$

Sequence: A158394
Score: 12.8901
Type of gen. func.: ogf

$$-\frac{731 x + 727}{}$$

$$(x-1)^3$$

Sequence: A158394
Score: 21.8447
Type of gen. func.: lgdogf

$$-\frac{2\,(1456+731\,x)}{(731\,x+727)\,(x-1)}$$

Sequence: A158394
Score: 5.40247
Type of gen. func.: ogf

$$(66585210112620\,f(x)-65977674634823359)$$

$$(f(x)\,x^3-3\,f(x)\,x^2+3\,f(x)\,x-f(x)+731\,x+727)$$

Sequence: A158394
Score: 6.12281
Type of gen. func.: ogf

$$\{a(n+3)-3\,a(n+2)+3\,a(n+1)-a(n),\ a(0)=727,\ a(1)=2912,$$

$$a(2)=6555\}$$

Sequence: A158395
Score: 15.6303
Type of gen. func.: ogf

$$\frac{x+728}{(x-1)^2}$$

Sequence: A158395
Score: 20.0080
Type of gen. func.: revogf

$$-\frac{-364-x+(132496+729\,x)^{1/2}}{x-1}$$

Sequence: A158395
Score: 31.3168
Type of gen. func.: lgdogf

$$-\frac{1457 + x}{(x + 728) (x - 1)}$$

Sequence: A158395
Score: 7.65231
Type of gen. func.: ogf

$$(1458 f(x) + 1061425) (f(x) x^2 - 2 f(x) x + f(x) - x - 728)$$

Sequence: A158395
Score: 8.44393
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 728, a(1) = 1457\}$$

Sequence: A158396
Score: 12.8901
Type of gen. func.: ogf

$$-\frac{727 x + 731}{(x - 1)^3}$$

Sequence: A158396
Score: 21.8447
Type of gen. func.: lgdogf

$$-\frac{2 (1460 + 727 x)}{(727 x + 731) (x - 1)}$$

Sequence: A158396
Score: 5.40247
Type of gen. func.: ogf

```
(66721582124748 f(x) - 66204748305270275)

           3           2
    (f(x) x  - 3 f(x) x  + 3 f(x) x - f(x) + 727 x + 731)



------------------------------------------------------------------------------

Sequence:  A158396
Score: 6.12281
Type of gen. func.: ogf


{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 731, a(1) = 2920,

    a(2) = 6567}



------------------------------------------------------------------------------

Sequence:  A158397
Score: 15.6303
Type of gen. func.: ogf


                                     x - 730
                                   - --------
                                            2
                                     (x - 1)



------------------------------------------------------------------------------

Sequence:  A158397
Score: 20.0080
Type of gen. func.: revogf


                                                     1/2
                          -365 - x + (133225 + 729 x)
                        - ------------------------------
                                      1 + x



------------------------------------------------------------------------------

Sequence:  A158397
Score: 30.0120
Type of gen. func.: lgdogf


                                    -1459 + x
                              - -----------------
                                (x - 1) (x - 730)



------------------------------------------------------------------------------

Sequence:  A158397
Score: 7.65231
Type of gen. func.: ogf


                                       2
          (1458 f(x) + 1064341) (f(x) x  - 2 f(x) x + f(x) + x - 730)
```

Sequence: A158397
Score: 8.44393
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 730, a(1) = 1459\}$$

Sequence: A158398
Score: 12.8901
Type of gen. func.: ogf

$$-\frac{2 (393 x + 391)}{(x - 1)^3}$$

Sequence: A158398
Score: 22.5273
Type of gen. func.: lgdogf

$$-\frac{6 (261 + 131 x)}{(393 x + 391) (x - 1)}$$

Sequence: A158398
Score: 5.56618
Type of gen. func.: ogf

$$(103097787520 f(x) - 109869770984261)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 786 x + 782)$$

Sequence: A158398
Score: 6.12281
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 782, a(1) = 3132,$$

$$a(2) = 7050\}$$

Sequence: A158399

Score: 15.7065
Type of gen. func.: ogf

$$\frac{783 + x}{(x - 1)^{2}}$$

Sequence: A158399
Score: 16.8342
Type of gen. func.: revogf

$$-\frac{-783 - 2 x + (613089 + 3136 x)^{1/2}}{2 (x - 1)}$$

Sequence: A158399
Score: 31.4727
Type of gen. func.: lgdogf

$$-\frac{1567 + x}{(783 + x) (x - 1)}$$

Sequence: A158399
Score: 7.68963
Type of gen. func.: ogf

$$(1568 f(x) + 1227745) (f(x) x^{2} - 2 f(x) x + f(x) - x - 783)$$

Sequence: A158399
Score: 8.48511
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 783, a(1) = 1567\}$$

Sequence: A158401
Score: 12.9509
Type of gen. func.: ogf

$$-\frac{843 x + 839}{{}^{3}}$$

$$(x - 1)$$

Sequence: A158401
Score: 22.6356
Type of gen. func.: lgdogf

$$- \frac{6 (560 + 281 x)}{(843 x + 839) (x - 1)}$$

Sequence: A158401
Score: 5.42795
Type of gen. func.: ogf

$$(39317832834596 f(x) - 44948721768125605)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 843 x + 839)$$

Sequence: A158401
Score: 6.15169
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 839, a(1) = 3360,$$
$$a(2) = 7563\}$$

Sequence: A158402
Score: 15.2048
Type of gen. func.: ogf

$$\frac{x + 840}{(x - 1)^2}$$

Sequence: A158402
Score: 19.4557
Type of gen. func.: revogf

$$- \frac{-420 - x + (176400 + 841 x)^{1/2}}{x - 1}$$

Sequence: A158402
Score: 30.4523
Type of gen. func.: lgdogf

$$-\frac{1681 + x}{(x + 840)\,(x - 1)}$$

Sequence: A158402
Score: 7.44401
Type of gen. func.: ogf

$$(1682\,f(x) + 1412881)\,(f(x)\,x^2 - 2\,f(x)\,x + f(x) - x - 840)$$

Sequence: A158402
Score: 8.21408
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\,a(n + 1) - a(n),\ a(0) = 840,\ a(1) = 1681\}$$

Sequence: A158403
Score: 12.9509
Type of gen. func.: ogf

$$-\frac{839\,x + 843}{(x - 1)^3}$$

Sequence: A158403
Score: 21.9497
Type of gen. func.: lgdogf

$$-\frac{2\,(1684 + 839\,x)}{(839\,x + 843)\,(x - 1)}$$

Sequence: A158403
Score: 5.34929
Type of gen. func.: ogf

$$(118162876312780 f(x) - 135248363850424371)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 839 x + 843)$$

Sequence: A158403
Score: 6.15169
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 843, a(1) = 3368,$$

$$a(2) = 7575\}$$

Sequence: A158404
Score: 15.2048
Type of gen. func.: ogf

$$- \frac{x - 842}{(x - 1)^2}$$

Sequence: A158404
Score: 19.4557
Type of gen. func.: revogf

$$- \frac{-421 - x + (177241 + 841 x)^{1/2}}{1 + x}$$

Sequence: A158404
Score: 29.1835
Type of gen. func.: lgdogf

$$- \frac{-1683 + x}{(x - 1) (x - 842)}$$

Sequence: A158404
Score: 7.44401
Type of gen. func.: ogf

$$(1682 f(x) + 1416245) (f(x) x^2 - 2 f(x) x + f(x) + x - 842)$$

Sequence: A158404
Score: 8.21408
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 842, a(1) = 1683\}$$

Sequence: A158406
Score: 12.9509
Type of gen. func.: ogf

$$-\frac{2 (449 x + 451)}{(x - 1)^3}$$

Sequence: A158406
Score: 22.6356
Type of gen. func.: lgdogf

$$-\frac{2 (901 + 449 x)}{(449 x + 451) (x - 1)}$$

Sequence: A158406
Score: 5.50897
Type of gen. func.: ogf

$$(4842748215000 f(x) - 5931604371199051)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 898 x + 902)$$

Sequence: A158406
Score: 6.15169
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 902, a(1) = 3604,$$

$$a(2) = 8106\}$$

Sequence: A158407
Score: 15.2048

Type of gen. func.: ogf

$$-\frac{x - 901}{(x - 1)^2}$$

Sequence: A158407
Score: 16.2885
Type of gen. func.: revogf

$$-\frac{-901 - 2 x + (811801 + 3600 x)^{1/2}}{2 (1 + x)}$$

Sequence: A158407
Score: 29.1835
Type of gen. func.: lgdogf

$$-\frac{-1801 + x}{(x - 1) (x - 901)}$$

Sequence: A158407
Score: 7.44401
Type of gen. func.: ogf

$$(1800 f(x) + 1621801) (f(x) x^2 - 2 f(x) x + f(x) + x - 901)$$

Sequence: A158407
Score: 8.21408
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 901, a(1) = 1801\}$$

Sequence: A158408
Score: 12.9509
Type of gen. func.: ogf

$$-\frac{2 (451 x + 449)}{(x - 1)^3}$$

Sequence: A158408
Score: 22.6356
Type of gen. func.: lgdogf

$$-\frac{2\ (899 + 451\ x)}{(451\ x + 449)\ (x - 1)}$$

Sequence: A158408
Score: 5.50897
Type of gen. func.: ogf

$$(4834729215000\ f(x) - 5915119843309049)$$

$$(f(x)\ x^{3} - 3\ f(x)\ x^{2} + 3\ f(x)\ x - f(x) + 902\ x + 898)$$

Sequence: A158408
Score: 6.15169
Type of gen. func.: ogf

$\{a(n + 3) - 3\ a(n + 2) + 3\ a(n + 1) - a(n), a(0) = 898, a(1) = 3596,$

$a(2) = 8094\}$

Sequence: A158409
Score: 15.2048
Type of gen. func.: ogf

$$\frac{x + 899}{(x - 1)^{2}}$$

Sequence: A158409
Score: 16.2885
Type of gen. func.: revogf

$$-\frac{-899 - 2\ x + (808201 + 3600\ x)^{1/2}}{2\ (x - 1)}$$

Sequence: A158409
Score: 30.4523
Type of gen. func.: lgdogf

$$-\frac{1799 + x}{(x + 899)\,(x - 1)}$$

Sequence: A158409
Score: 7.44401
Type of gen. func.: ogf

$$(1800\,f(x) + 1618201)\,(f(x)\,x^2 - 2\,f(x)\,x + f(x) - x - 899)$$

Sequence: A158409
Score: 8.21408
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\,a(n + 1) - a(n),\ a(0) = 899,\ a(1) = 1799\}$$

Sequence: A158410
Score: 12.9509
Type of gen. func.: ogf

$$-\frac{963\,x + 959}{(x - 1)^3}$$

Sequence: A158410
Score: 22.6356
Type of gen. func.: lgdogf

$$-\frac{6\,(640 + 321\,x)}{(963\,x + 959)\,(x - 1)}$$

Sequence: A158410
Score: 5.42795
Type of gen. func.: ogf

$$(67042042839076\,f(x) - 87586059914891885)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 963 x + 959)$$

Sequence: A158410
Score: 6.15169
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 959, a(1) = 3840,$$
$$a(2) = 8643\}$$

Sequence: A158411
Score: 10.346
Type of gen. func.: ogf

$$-(f(x) + 2) (x^4 + x^3 + f(x) x + x^2 - f(x) + x)$$

Sequence: A158411
Score: 16.5173
Type of gen. func.: ogf

$$- \frac{x (1 + x) (x^2 + 1)}{x - 1}$$

Sequence: A158411
Score: 25.7678
Type of gen. func.: lgdogf

$$\frac{2 (x^3 - x^2 - x - 1)}{(x - 1) (1 + x) (x^2 + 1)}$$

Sequence: A158411
Score: 37.5782
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^3 + 2]$$

Sequence: A158411
Score: 6.87215
Type of gen. func.: ogf

$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 3, a(4) = 4, a(5) = 4\}$

Sequence: A158412
Score: 15.2804
Type of gen. func.: ogf

$$\frac{x + 960}{(x - 1)^2}$$

Sequence: A158412
Score: 19.5544
Type of gen. func.: revogf

$$-\frac{-480 - x + (230400 + 961 x)^{1/2}}{x - 1}$$

Sequence: A158412
Score: 30.6069
Type of gen. func.: lgdogf

$$-\frac{1921 + x}{(x + 960) (x - 1)}$$

Sequence: A158412
Score: 7.48104
Type of gen. func.: ogf

$$(1922 f(x) + 1845121) (f(x) x^2 - 2 f(x) x + f(x) - x - 960)$$

Sequence: A158412
Score: 8.25495

Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 960, a(1) = 1921\}$$

Sequence: A158413
Score: 12.9509
Type of gen. func.: ogf

$$-\frac{959 x + 963}{(x - 1)^{3}}$$

Sequence: A158413
Score: 21.9497
Type of gen. func.: lgdogf

$$-\frac{2 (1924 + 959 x)}{(959 x + 963) (x - 1)}$$

Sequence: A158413
Score: 5.42795
Type of gen. func.: ogf

$$(28776932830420 f(x) - 37634843528611293)$$

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x - f(x) + 959 x + 963)$$

Sequence: A158413
Score: 6.15169
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 963, a(1) = 3848,$$
$$a(2) = 8655\}$$

Sequence: A158414
Score: 15.2804
Type of gen. func.: ogf

$$-\frac{x - 962}{{}^{2}}$$

$$(x - 1)$$

Sequence: A158414
Score: 19.5544
Type of gen. func.: revogf

$$-\frac{-481 - x + (231361 + 961 x)^{1/2}}{1 + x}$$

Sequence: A158414
Score: 29.3316
Type of gen. func.: lgdogf

$$-\frac{-1923 + x}{(x - 1) (x - 962)}$$

Sequence: A158414
Score: 7.48104
Type of gen. func.: ogf

$$(1922 f(x) + 1848965) (f(x) x^2 - 2 f(x) x + f(x) + x - 962)$$

Sequence: A158414
Score: 8.25495
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 962, a(1) = 1923\}$$

Sequence: A158416
Score: 10.1931
Type of gen. func.: ogf

$$(2 f(x) + 11) (f(x) x^4 - 2 f(x) x^2 + x^3 + f(x) - x - 1)$$

Sequence: A158416
Score: 16.8097
Type of gen. func.: ogf

$$-\frac{x^3 - x - 1}{(x-1)^2 (1+x)^2}$$

Sequence: A158416
Score: 26.8640
Type of gen. func.: lgdogf

$$-\frac{x^4 - 4x - 1}{(x-1)(1+x)(x^3 - x - 1)}$$

Sequence: A158420
Score: 12.1063
Type of gen. func.: ogf

$$-\frac{2(513x + 511)}{(x-1)^3}$$

Sequence: A158420
Score: 21.8917
Type of gen. func.: lgdogf

$$-\frac{6(341 + 171x)}{(513x + 511)(x-1)}$$

Sequence: A158420
Score: 5.25198
Type of gen. func.: ogf

$$(2700998082560 f(x) - 3760128168647509)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 1026 x + 1022)$$

Sequence: A158420
Score: 5.90306
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1022, a(1) = 4092, a(2) = 9210\}$$

Sequence: A158421
Score: 15.1102
Type of gen. func.: ogf

$$\frac{1023 + x}{(x - 1)^2}$$

Sequence: A158421
Score: 15.8016
Type of gen. func.: revogf

$$- \frac{-1023 - 2 x + (1046529 + 4096 x)^{1/2}}{2 (x - 1)}$$

Sequence: A158421
Score: 29.6279
Type of gen. func.: lgdogf

$$- \frac{2047 + x}{(1023 + x) (x - 1)}$$

Sequence: A158421
Score: 7.47723
Type of gen. func.: ogf

$$(2048 f(x) + 2095105) (f(x) x^2 - 2 f(x) x + f(x) - x - 1023)$$

Sequence: A158421
Score: 8.24194
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1023, a(1) = 2047\}$$

Sequence: A158443
Score: 12.2377
Type of gen. func.: ogf

$$\frac{4 (x^2 - 6 x - 3)}{(x - 1)^3}$$

Sequence: A158443
Score: 22.9158
Type of gen. func.: lgdogf

$$- \frac{x^2 - 10 x - 15}{(x - 1) (x^2 - 6 x - 3)}$$

Sequence: A158443
Score: 6.64634
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 12, a(1) = 60, a(2) = 140\}$$

Sequence: A158443
Score: 6.94139
Type of gen. func.: ogf

$$(252 f(x) - 15299) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 4 x^2 - f(x) + 24 x + 12)$$

Sequence: A158444
Score: 12.4946
Type of gen. func.: ogf

$$- \frac{4 (x^2 + 2 x + 5)}{(x - 1)^3}$$

Sequence: A158444
Score: 24.5132
Type of gen. func.: lgdogf

$$-\frac{x^2+6x+17}{(x-1)(x^2+2x+5)}$$

Sequence: A158444
Score: 6.67815
Type of gen. func.: ogf

$$\{a(n+3)-3a(n+2)+3a(n+1)-a(n),\ a(0)=20,\ a(1)=68,\ a(2)=148\}$$

Sequence: A158444
Score: 7.21533
Type of gen. func.: ogf

$$(58 f(x)-995)(f(x) x^3-3 f(x) x^2+3 f(x) x+4 x^2-f(x)+8 x+20)$$

Sequence: A158445
Score: 11.8366
Type of gen. func.: ogf

$$-\frac{5(x^2+3x+6)}{(x-1)^3}$$

Sequence: A158445
Score: 23.5857
Type of gen. func.: lgdogf

$$-\frac{x^2+8x+21}{(x-1)(x^2+3x+6)}$$

Sequence: A158445
Score: 6.37356
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 30, a(1) = 105, a(2) = 230\}$

Sequence: A158445
Score: 6.90105
Type of gen. func.: ogf

$$(1164 f(x) - 32845) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 5 x^2 - f(x) + 15 x + 30)$$

Sequence: A158446
Score: 11.7211
Type of gen. func.: ogf

$$\frac{5 (x^2 - 7 x - 4)}{(x - 1)^3}$$

Sequence: A158446
Score: 21.9358
Type of gen. func.: lgdogf

$$- \frac{x^2 - 12 x - 19}{(x - 1) (x^2 - 7 x - 4)}$$

Sequence: A158446
Score: 6.36578
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 20, a(1) = 95, a(2) = 220\}$

Sequence: A158446
Score: 7.07042
Type of gen. func.: ogf

$$(1196 f(x) - 47845) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 5 x^2 - f(x) + 35 x + 20)$$

Sequence: A158447
Score: 12.6599
Type of gen. func.: ogf

$$\frac{x^2 - 12 x - 9}{(x - 1)^3}$$

Sequence: A158447
Score: 22.6459
Type of gen. func.: lgdogf

$$-\frac{x^2 - 22 x - 39}{(x - 1) (x^2 - 12 x - 9)}$$

Sequence: A158447
Score: 6.70864
Type of gen. func.: ogf

$$(297 f(x) - 4393) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 12 x + 9)$$

Sequence: A158447
Score: 6.88518
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 9, a(1) = 39, a(2) = 89}

Sequence: A158450
Score: 4.05336
Type of gen. func.: ogf

$$(-1079023 + 1229874 f(x)) (32 f(x) x^4 - 176 f(x) x^3 - 28 x^4 + 154 f(x) x^2 + 154 x^3 - 33 f(x) x - 134 x^2 + f(x) + 29 x - 1)$$

Sequence: A158450

Score: 6.19218
Type of gen. func.: ogf

$$\frac{28 x^4 - 154 x^3 + 134 x^2 - 29 x + 1}{32 x^4 - 176 x^3 + 154 x^2 - 33 x + 1}$$

Sequence: A158453
Score: 5.03601
Type of gen. func.: ogf

$$(83387651 f(x) - 1153336)$$

$$(8 f(x) x^4 - 54 f(x) x^3 + 73 f(x) x^2 - 22 f(x) x + 2 x^2 + f(x) - x - 1)$$

Sequence: A158453
Score: 7.57002
Type of gen. func.: lgdogf

$$- \frac{32 x^5 - 132 x^4 + 76 x^3 + 133 x^2 - 150 x + 23}{(x - 1) (2 x + 1) (8 x^4 - 54 x^3 + 73 x^2 - 22 x + 1)}$$

Sequence: A158453
Score: 8.99226
Type of gen. func.: ogf

$$- \frac{(2 x + 1) (x - 1)}{8 x^4 - 54 x^3 + 73 x^2 - 22 x + 1}$$

Sequence: A158455
Score: 15.1802
Type of gen. func.: egf]

$$- \frac{2 x - 5}{(2 x - 1)^2}$$

Sequence: A158455
Score: 24.8642
Type of gen. func.: lgdegf]

$$-\frac{2(-9+2x)}{(2x-1)(2x-5)}$$

Sequence: A158455
Score: 3.88131
Type of gen. func.: ogf

$$\{(-2n^2-8n-8)a(n+1)+(-20n^2-139n-234)a(n+2)$$
$$+(10n+30)a(n+3), a(0)=5, a(1)=18, a(2)=104\}$$

Sequence: A158455
Score: 7.94314
Type of gen. func.: egf]

$$(8f(x)+41)(4f(x)x^2-4f(x)x+f(x)+2x-5)$$

Sequence: A158459
Score: 13.0607
Type of gen. func.: ogf

$$-\frac{x(x^2+2x+3)}{(x-1)(1+x)(x^2+1)}$$

Sequence: A158459
Score: 13.7965
Type of gen. func.: lgdogf

$$-\frac{2(x^5+3x^4+6x^3+x+1)}{(x-1)(1+x)(x^2+1)(x^2+2x+3)}$$

Sequence: A158459
Score: 8.6527

Type of gen. func.: ogf

$$(2 f(x) - 25) (f(x) x^{4} + x^{3} + 2 x^{2} - f(x) + 3 x)$$

Sequence: A158462
Score: 12.0676
Type of gen. func.: ogf

$$\frac{6 (x^{2} - 8 x - 5)}{(x - 1)^{3}}$$

Sequence: A158462
Score: 22.5971
Type of gen. func.: lgdogf

$$- \frac{x^{2} - 14 x - 23}{(x - 1) (x^{2} - 8 x - 5)}$$

Sequence: A158462
Score: 6.49791
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 30, a(1) = 138, a(2) = 318\}$$

Sequence: A158462
Score: 7.08387
Type of gen. func.: ogf

$$(179 f(x) - 10050) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x - 6 x^{2} - f(x) + 48 x + 30)$$

Sequence: A158463
Score: 12.1428
Type of gen. func.: ogf

$$- \frac{11 x^{2} + 14 x - 1}{}$$

$$(x - 1)^3$$

Sequence: A158463
Score: 19.3296
Type of gen. func.: lgdogf

$$-\frac{11 x^2 + 50 x + 11}{(x - 1) (11 x^2 + 14 x - 1)}$$

Sequence: A158463
Score: 6.59479
Type of gen. func.: ogf

$$(40 f(x) - 347) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 11 x^2 - f(x) + 14 x - 1)$$

Sequence: A158463
Score: 6.71048
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = -1, a(1) = 11, a(2) = 47\}$$

Sequence: A158478
Score: 10.3857
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 2), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 3\}$$

Sequence: A158478
Score: 12.4891
Type of gen. func.: ogf

$$(9 f(x) + 2) (f(x) x^2 + 2 x^3 + 2 x^2 - f(x) + x)$$

Sequence: A158478
Score: 18.6158
Type of gen. func.: ogf

$$-\frac{x (2 x^2 + 2 x + 1)}{(x - 1) (1 + x)}$$

Sequence: A158478
Score: 24.3169
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + 3 x + 1)}{(x - 1) (1 + x) (2 x^2 + 2 x + 1)}$$

Sequence: A158479
Score: 12.0676
Type of gen. func.: ogf

$$-\frac{6 (x^2 + 4 x + 7)}{(x - 1)^3}$$

Sequence: A158479
Score: 28.6810
Type of gen. func.: lgdogf

$$-\frac{(x + 5)^2}{(x - 1) (x^2 + 4 x + 7)}$$

Sequence: A158479
Score: 6.49791
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 42, a(1) = 150, a(2) = 330}

Sequence: A158479
Score: 7.39457
Type of gen. func.: ogf

$$(f(x) - 42) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 6 x^2 - f(x) + 24 x + 42)$$

Sequence: A158480
Score: 11.9450
Type of gen. func.: ogf

$$- \frac{x^2 + 10 x + 13}{(x - 1)^3}$$

Sequence: A158480
Score: 21.6993
Type of gen. func.: lgdogf

$$- \frac{x^2 + 22 x + 49}{(x - 1) (x^2 + 10 x + 13)}$$

Sequence: A158480
Score: 6.48734
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 13, a(1) = 49, a(2) = 109\}$$

Sequence: A158480
Score: 6.94866
Type of gen. func.: ogf

$$(272 f(x) - 2117) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 13 x^2 - f(x) + 10 x + 1)$$

Sequence: A158481
Score: 11.8071
Type of gen. func.: ogf

$$- \frac{7 (x^2 + 5 x + 8)}{(x - 1)^3}$$

Sequence: A158481
Score: 22.7939
Type of gen. func.: lgdogf

$$-\frac{x^2 + 12 x + 29}{(x - 1) (x^2 + 5 x + 8)}$$

Sequence: A158481
Score: 6.35769
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 56, a(1) = 203, a(2) = 448}

Sequence: A158481
Score: 6.88591
Type of gen. func.: ogf

$$(1636 f(x) - 95711) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 7 x^2 - f(x) + 35 x + 56)$$

Sequence: A158482
Score: 12.1206
Type of gen. func.: ogf

$$-\frac{x^2 + 12 x + 15}{(x - 1)^3}$$

Sequence: A158482
Score: 22.0248
Type of gen. func.: lgdogf

$$-\frac{x^2 + 26 x + 57}{(x - 1) (x^2 + 12 x + 15)}$$

Sequence: A158482
Score: 6.47117
Type of gen. func.: ogf

$$(411 f(x) - 7345) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 12 x + 15)$$

Sequence: A158482
Score: 6.58274
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 15, a(1) = 57, a(2) = 127}

Sequence: A158484
Score: 11.8071
Type of gen. func.: ogf

$$\frac{7 (x^2 - 9 x - 6)}{(x - 1)^3}$$

Sequence: A158484
Score: 22.1032
Type of gen. func.: lgdogf

$$- \frac{x^2 - 16 x - 27}{(x - 1) (x^2 - 9 x - 6)}$$

Sequence: A158484
Score: 6.35769
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 42, a(1) = 189, a(2) = 434}

Sequence: A158484
Score: 6.829
Type of gen. func.: ogf

$$(1668 f(x) - 125111) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 7 x^2 - f(x) + 63 x + 42)$$

Sequence: A158485
Score: 12.1206
Type of gen. func.: ogf

$$\frac{x^2 - 16 x - 13}{(x - 1)^3}$$

Sequence: A158485
Score: 21.3955
Type of gen. func.: lgdogf

$$- \frac{x^2 - 30 x - 55}{(x - 1) (x^2 - 16 x - 13)}$$

Sequence: A158485
Score: 6.52648
Type of gen. func.: ogf

$$(83 f(x) - 1679) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 16 x + 13)$$

Sequence: A158485
Score: 6.58274
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 13, a(1) = 55, a(2) = 125\}$$

Sequence: A158487
Score: 11.5469
Type of gen. func.: ogf

$$\frac{8 (x^2 - 10 x - 7)}{(x - 1)^3}$$

Sequence: A158487
Score: 20.9741
Type of gen. func.: lgdogf

$$-\frac{x^2 - 18x - 31}{(x-1)(x^2 - 10x - 7)}$$

Sequence: A158487
Score: 6.21756
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 56, a(1) = 248, a(2) = 568}

Sequence: A158487
Score: 7.18859
Type of gen. func.: ogf

$$(17 f(x) - 1642) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 8 x^2 - f(x) + 80 x + 56)$$

Sequence: A158488
Score: 11.5469
Type of gen. func.: ogf

$$-\frac{8 (x+3)^2}{(x-1)^3}$$

Sequence: A158488
Score: 37.5327
Type of gen. func.: lgdogf

$$-\frac{11 + x}{(x+3)(x-1)}$$

Sequence: A158488

Score: 6.21756
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 72, a(1) = 264, a(2) = 584\}$$

Sequence: A158488
Score: 7.12767
Type of gen. func.: ogf

$$(117 f(x) - 9094) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 8 x^2 - f(x) + 48 x + 72)$$

Sequence: A158490
Score: 11.5775
Type of gen. func.: ogf

$$\frac{10 (x^2 - 12 x - 9)}{(x - 1)^3}$$

Sequence: A158490
Score: 21.7119
Type of gen. func.: lgdogf

$$- \frac{x^2 - 22 x - 39}{(x - 1) (x^2 - 12 x - 9)}$$

Sequence: A158490
Score: 6.43196
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 90, a(1) = 390, a(2) = 890\}$$

Sequence: A158490
Score: 6.73404
Type of gen. func.: ogf

$$(297 f(x) - 43930) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 10 x^2 - f(x) + 120 x + 90)$$

Sequence: A158491
Score: 11.9793
Type of gen. func.: ogf

$$\frac{x^2 - 22 x - 19}{(x - 1)^3}$$

Sequence: A158491
Score: 21.1440
Type of gen. func.: lgdogf

$$- \frac{x^2 - 42 x - 79}{(x - 1) (x^2 - 22 x - 19)}$$

Sequence: A158491
Score: 6.50597
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 19, a(1) = 79, a(2) = 179\}$

Sequence: A158491
Score: 6.97698
Type of gen. func.: ogf

$$(1184 f(x) - 33611) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 22 x + 19)$$

Sequence: A158492
Score: 11.4673
Type of gen. func.: ogf

$$- \frac{10 (11 x^2 + 8 x + 1)}{(x - 1)^3}$$

Sequence: A158492
Score: 19.2378
Type of gen. func.: lgdogf

$$-\frac{11 x^2 + 38 x + 11}{(x - 1) (11 x^2 + 8 x + 1)}$$

Sequence: A158492
Score: 6.37070
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 10, a(1) = 110, a(2) = 410}

Sequence: A158492
Score: 6.9913
Type of gen. func.: ogf

$$(113 f(x) - 7250) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 110 x^2 - f(x) + 80 x + 10)$$

Sequence: A158493
Score: 12.1792
Type of gen. func.: ogf

$$-\frac{21 x^2 + 18 x + 1}{(x - 1)^3}$$

Sequence: A158493
Score: 19.2957
Type of gen. func.: lgdogf

$$-\frac{3 (7 x^2 + 26 x + 7)}{(x - 1) (21 x^2 + 18 x + 1)}$$

Sequence: A158493
Score: 6.73059

Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 21, a(2) = 81\}$$

Sequence: A158493
Score: 7.20365
Type of gen. func.: ogf

$$(152 f(x) - 2015) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 21 x^2 - f(x) + 18 x + 1)$$

Sequence: A158494
Score: 4.79005
Type of gen. func.: ogf

$$\{a(n + 5) - 6 a(n + 4) + 11 a(n + 3) - 6 a(n + 2), a(0) = 4, a(1) = 24, a(2) = 80, a(3) = 248, a(4) = 768\}$$

Sequence: A158494
Score: 5.52135
Type of gen. func.: ogf

$$(353 f(x) + 1904) (6 f(x) x^3 + 16 x^4 - 11 f(x) x^2 + 8 x^3 + 6 f(x) x - 20 x^2 - f(x) + 4)$$

Sequence: A158494
Score: 6.70922
Type of gen. func.: lgdogf

$$\frac{2 (12 x^6 - 44 x^5 + 40 x^4 + 4 x^3 - 27 x^2 + 16 x - 3)}{(x - 1) (-1 + 3 x) (2 x - 1) (4 x^4 + 2 x^3 - 5 x^2 + 1)}$$

Sequence: A158494
Score: 9.51708
Type of gen. func.: ogf

$$- \frac{4 (4 x^4 + 2 x^3 - 5 x^2 + 1)}{}$$

$$(x - 1) (-1 + 3 x) (2 x - 1)$$

Sequence: A158495
Score: 4.86958
Type of gen. func.: ogf

$$4 f(x)^2 x^2 - 4 f(x)^2 x - 8 f(x) x^2 + f(x)^2 + 6 f(x) x + 4 x^2 - f(x) - x$$

Sequence: A158496
Score: 13.0567
Type of gen. func.: ogf

$$\frac{x^2 - 4 x + 1}{(x^2 + 1)^2}$$

Sequence: A158496
Score: 22.9045
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - 6 x^2 + x + 2)}{(x^2 + 1) (x^2 - 4 x + 1)}$$

Sequence: A158496
Score: 7.59419
Type of gen. func.: ogf

$$-(2 f(x) - 61) (f(x) x^4 + 2 f(x) x^2 - x^2 + f(x) + 4 x - 1)$$

Sequence: A158498
Score: 15.7620
Type of gen. func.: lgdogf

$$-\frac{3 x^3 + 11 x^2 - 4 x + 2}{(x - 1) (3 x^3 + x^2 - 2 x + 1)}$$

Sequence: A158498
Score: 3.75205
Type of gen. func.: ogf

$$\{(161 n^2 + 877 n + 1110) a(n + 1) + (-304 n^2 - 1244 n - 684) a(n + 2) + (143 n^2 + 421 n - 24) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 3\}$$

Sequence: A158498
Score: 5.20969
Type of gen. func.: ogf

$$(30 f(x) + 29) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 3 x^3 - 4 f(x) x - x^2 + f(x) + 2 x - 1)$$

Sequence: A158498
Score: 9.40449
Type of gen. func.: ogf

$$\frac{3 x^3 + x^2 - 2 x + 1}{(x - 1)^4}$$

Sequence: A158499
Score: 4.02976
Type of gen. func.: ogf

$$\{(-8 n - 12) a(n + 1) + (6 n + 12) a(n + 2) + (-n - 3) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A158499
Score: 6.73101
Type of gen. func.: ogf

$$-4 f(x)^2 x^2 + 4 f(x)^2 x - f(x)^2 - 2 f(x) x + f(x) - x$$

Sequence: A158500
Score: 5.19775
Type of gen. func.: ogf

$$4 f(x)^{2} x - 8 f(x) x^{2} + 4 x^{3} + f(x)^{2} - 6 f(x) x + 4 x^{2} - f(x) + x$$

Sequence: A158500
Score: 8.26293
Type of gen. func.: lgdogf

$$- \frac{-1 - 6 x - 16 x^{2} + (1 + 4 x)^{1/2} + 2 (1 + 4 x)^{1/2} x}{2 (2 x + 1) (1 + 4 x) x}$$

Sequence: A158501
Score: 6.31486
Type of gen. func.: ogf

$$- \frac{x^{5} + 9 x^{4} - 2 x^{3} + 22 x^{2} + x + 1}{(x - 1)^{3} (1 + x)^{4}}$$

Sequence: A158501
Score: 8.70931
Type of gen. func.: lgdogf

$$- \frac{2 x (x^{5} + 13 x^{4} - 6 x^{3} + 74 x^{2} - 11 x + 25)}{(x - 1) (1 + x) (x^{5} + 9 x^{4} - 2 x^{3} + 22 x^{2} + x + 1)}$$

Sequence: A158513
Score: 5.66130
Type of gen. func.: ogf

$$\{(2 n + 4) a(n + 1) + a(n + 3) - 10 a(n + 2), a(0) = 1, a(1) = 10, a(2) = 98\}$$

Sequence: A158513
Score: 56.8310

Type of gen. func.: lgdegf]

$$-10 + 2 x + f(x)$$

Sequence: A158515
Score: 11.3432
Type of gen. func.: ogf

$$-f(x) (2 x^4 + f(x) x^2 + 2 x^3 + 2 x^2 - f(x) + x)$$

Sequence: A158515
Score: 15.4342
Type of gen. func.: ogf

$$- \frac{x (2 x^3 + 2 x^2 + 2 x + 1)}{(x - 1) (1 + x)}$$

Sequence: A158515
Score: 17.8392
Type of gen. func.: lgdogf

$$\frac{2 (x^4 - 4 x^2 - 3 x - 1)}{(x - 1) (1 + x) (2 x^3 + 2 x^2 + 2 x + 1)}$$

Sequence: A158515
Score: 8.79892
Type of gen. func.: ogf

$$\{a(n + 5) - a(n + 3), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 3, a(4) = 4\}$$

Sequence: A158516
Score: 5.72135
Type of gen. func.: ogf

$$\{(2 n + 4) a(n + 1) + a(n + 3) - 12 a(n + 2), a(0) = 1, a(1) = 12, a(2) = 142\}$$

Sequence: A158516
Score: 57.1685
Type of gen. func.: lgdegf]

$$-12 + 2 x + f(x)$$

Sequence: A158525
Score: 10.6994
Type of gen. func.: lgdogf

$$-\frac{20 x^{4} - 112 x^{3} + 232 x^{2} - 208 x + 67}{(x - 1) (2 x^{2} - 4 x + 1) (10 x^{2} - 28 x + 19)}$$

Sequence: A158525
Score: 12.0708
Type of gen. func.: ogf

$$-\frac{2 (10 x^{2} - 28 x + 19)}{(x - 1) (2 x^{2} - 4 x + 1)}$$

Sequence: A158525
Score: 6.38455
Type of gen. func.: ogf

$(5709 f(x) + 34582)$

$$(2 f(x) x^{3} - 6 f(x) x^{2} + 5 f(x) x + 20 x^{2} - f(x) - 56 x + 38)$$

Sequence: A158525
Score: 6.60283
Type of gen. func.: ogf

$\{a(n + 3) - 5 a(n + 2) + 6 a(n + 1) - 2 a(n), a(0) = 38, a(1) = 134, a(2) = 462$

$\}$

Sequence: A158527
Score: 3.41618

Type of gen. func.: ogf

$$-\frac{139 x^6 + 4746 x^5 + 29445 x^4 + 52300 x^3 + 29445 x^2 + 4746 x + 139}{(x - 1)^9}$$

Sequence: A158530
Score: 120.328
Type of gen. func.: lgdegf]

$$14 - 2 x$$

Sequence: A158530
Score: 6.01602
Type of gen. func.: ogf

$$\{(2 n + 4) a(n + 1) + a(n + 3) - 14 a(n + 2), a(0) = 1, a(1) = 14, a(2) = 194\}$$

Sequence: A158531
Score: 5.64753
Type of gen. func.: ogf

$$\{(2 n + 4) a(n + 1) + a(n + 3) - 16 a(n + 2), a(0) = 1, a(1) = 16, a(2) = 254\}$$

Sequence: A158531
Score: 56.4351
Type of gen. func.: lgdegf]

$$-16 + 2 x + f(x)$$

Sequence: A158532
Score: 5.21214
Type of gen. func.: ogf

$$\{(2 n + 4) a(n + 1) + a(n + 3) - 18 a(n + 2), a(0) = 1, a(1) = 18, a(2) = 322\}$$

Sequence: A158532
Score: 52.0267
Type of gen. func.: lgdegf]

$$-18 + 2 x + f(x)$$

Sequence: A158534
Score: 41.3578
Type of gen. func.: lgdegf]

$$-20 + 2 x + f(x)$$

Sequence: A158534
Score: 5.40167
Type of gen. func.: ogf

{(2 n + 4) a(n + 1) + a(n + 3) - 20 a(n + 2), a(0) = 1, a(1) = 20, a(2) = 398}

Sequence: A158535
Score: 42.5130
Type of gen. func.: lgdegf]

$$-22 + 2 x + f(x)$$

Sequence: A158535
Score: 5.56752
Type of gen. func.: ogf

{(2 n + 4) a(n + 1) + a(n + 3) - 22 a(n + 2), a(0) = 1, a(1) = 22, a(2) = 482}

Sequence: A158536
Score: 11.2130
Type of gen. func.: ogf

$$-\frac{11 (12 x^2 + 9 x + 1)}{(x - 1)^3}$$

Sequence: A158536
Score: 19.3142
Type of gen. func.: lgdogf

$$-\frac{6\,(2x^2+7x+2)}{(x-1)\,(12x^2+9x+1)}$$

Sequence: A158536
Score: 6.22946
Type of gen. func.: ogf

$$\{a(n+3)-3\,a(n+2)+3\,a(n+1)-a(n),\ a(0)=11,\ a(1)=132,\ a(2)=495\}$$

Sequence: A158536
Score: 6.57676
Type of gen. func.: ogf

$$-(332\,f(x)-25927)$$

$$(f(x)\,x^3-3\,f(x)\,x^2+3\,f(x)\,x+132\,x^2-f(x)+99\,x+11)$$

Sequence: A158537
Score: 11.8630
Type of gen. func.: ogf

$$-\frac{23x^2+20x+1}{(x-1)^3}$$

Sequence: A158537
Score: 18.7875
Type of gen. func.: lgdogf

$$-\frac{23x^2+86x+23}{(x-1)\,(23x^2+20x+1)}$$

Sequence: A158537
Score: 6.55584
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 23, a(2) = 89}

Sequence: A158537
Score: 7.03189
Type of gen. func.: ogf

$$(251 f(x) - 3671) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 23 x^2 - f(x) + 20 x + 1)$$

Sequence: A158538
Score: 43.4372
Type of gen. func.: lgdegf]

$$-24 + 2 x + f(x)$$

Sequence: A158538
Score: 5.68598
Type of gen. func.: ogf

{(2 n + 4) a(n + 1) + a(n + 3) - 24 a(n + 2), a(0) = 1, a(1) = 24, a(2) = 574}

Sequence: A158539
Score: 10.7928
Type of gen. func.: ogf

$$\frac{11 (x^2 - 13 x - 10)}{(x - 1)^3}$$

Sequence: A158539
Score: 19.9491
Type of gen. func.: lgdogf

$$-\frac{x^2 - 24 x - 43}{(x - 1) (x^2 - 13 x - 10)}$$

Sequence: A158539

Score: 5.98592
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 110, a(1) = 473, a(2) = 1078\}$$

Sequence: A158539
Score: 6.74714
Type of gen. func.: ogf

$$(2612 f(x) - 464035)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 11 x^2 - f(x) + 143 x + 110)$$

Sequence: A158540
Score: 11.6634
Type of gen. func.: ogf

$$\frac{x^2 - 24 x - 21}{(x - 1)^3}$$

Sequence: A158540
Score: 20.5784
Type of gen. func.: lgdogf

$$-\frac{x^2 - 46 x - 87}{(x - 1) (x^2 - 24 x - 21)}$$

Sequence: A158540
Score: 6.33442
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 21, a(1) = 87, a(2) = 197\}$$

Sequence: A158540
Score: 7.21977
Type of gen. func.: ogf

$$(93 f(x) - 2893) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 24 x + 21)$$

Sequence: A158542
Score: 44.5925
Type of gen. func.: lgdegf]

$$-26 + 2 x + f(x)$$

Sequence: A158542
Score: 5.82812
Type of gen. func.: ogf

$$\{(2 n + 4) a(n + 1) + a(n + 3) - 26 a(n + 2), a(0) = 1, a(1) = 26, a(2) = 674\}$$

Sequence: A158543
Score: 10.9531
Type of gen. func.: ogf

$$\frac{12 (x^2 - 14 x - 11)}{(x - 1)^3}$$

Sequence: A158543
Score: 20.2514
Type of gen. func.: lgdogf

$$-\frac{x^2 - 26 x - 47}{(x - 1) (x^2 - 14 x - 11)}$$

Sequence: A158543
Score: 6.07482
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 132, a(1) = 564, a(2) = 1284\}$$

```
------------------------------------------------------------------------------

Sequence:  A158543
Score: 6.68908
Type of gen. func.: ogf


(178 f(x) - 37401)

           3           2                  2
    (f(x) x  - 3 f(x) x  + 3 f(x) x - 12 x  - f(x) + 168 x + 132)



------------------------------------------------------------------------------

Sequence:  A158544
Score: 11.7211
Type of gen. func.: ogf


                                  2
                                 x  - 26 x - 23
                                 --------------
                                           3
                                    (x - 1)



------------------------------------------------------------------------------

Sequence:  A158544
Score: 20.6823
Type of gen. func.: lgdogf


                                   2
                                  x  - 50 x - 95
                           - ------------------------
                                       2
                             (x - 1) (x  - 26 x - 23)



------------------------------------------------------------------------------

Sequence:  A158544
Score: 6.36578
Type of gen. func.: ogf


 {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 23, a(1) = 95, a(2) = 215}



------------------------------------------------------------------------------

Sequence:  A158544
Score: 6.95508
Type of gen. func.: ogf


                            3           2               2
   (284 f(x) - 9607) (f(x) x  - 3 f(x) x  + 3 f(x) x - x  - f(x) + 26 x + 23)



------------------------------------------------------------------------------

Sequence:  A158545
Score: 45.2856
```

Type of gen. func.: lgdegf]

$$-28 + 2 x + f(x)$$

Sequence: A158545
Score: 5.22518
Type of gen. func.: ogf

$$\{(2 n + 4) a(n + 1) + a(n + 3) - 28 a(n + 2), a(0) = 1, a(1) = 28, a(2) = 782\}$$

Sequence: A158546
Score: 11.2047
Type of gen. func.: ogf

$$-\frac{12 (13 x^2 + 10 x + 1)}{(x - 1)^3}$$

Sequence: A158546
Score: 18.5972
Type of gen. func.: lgdogf

$$-\frac{13 x^2 + 46 x + 13}{(x - 1) (13 x^2 + 10 x + 1)}$$

Sequence: A158546
Score: 6.32062
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 12, a(1) = 156, a(2) = 588\}$$

Sequence: A158546
Score: 6.94173
Type of gen. func.: ogf

$$(68 f(x) - 6351) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 156 x^2 - f(x) + 120 x + 12)$$

Sequence: A158547
Score: 11.9211
Type of gen. func.: ogf

$$-\frac{25 x^2 + 22 x + 1}{(x - 1)^3}$$

Sequence: A158547
Score: 18.8814
Type of gen. func.: lgdogf

$$-\frac{25 x^2 + 94 x + 25}{(x - 1) (25 x^2 + 22 x + 1)}$$

Sequence: A158547
Score: 6.36466
Type of gen. func.: ogf

$$(548 f(x) - 8765) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 25 x^2 - f(x) + 22 x + 1)$$

Sequence: A158547
Score: 6.58798
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 25, a(2) = 97\}$$

Sequence: A158548
Score: 11.3663
Type of gen. func.: ogf

$$-\frac{13 (14 x^2 + 11 x + 1)}{(x - 1)^3}$$

Sequence: A158548

Score: 18.8707
Type of gen. func.: lgdogf

$$-\frac{2\,(7\,x^{2}+25\,x+7)}{(x-1)\,(14\,x^{2}+11\,x+1)}$$

Sequence: A158548
Score: 6.41179
Type of gen. func.: ogf

$$\{a(n+3)-3\,a(n+2)+3\,a(n+1)-a(n),\ a(0)=13,\ a(1)=182,\ a(2)=689\}$$

Sequence: A158548
Score: 6.55207
Type of gen. func.: ogf

$(1180\,f(x)-129883)$

$$(f(x)\,x^{3}-3\,f(x)\,x^{2}+3\,f(x)\,x+182\,x^{2}-f(x)+143\,x+13)$$

Sequence: A158549
Score: 12.0374
Type of gen. func.: ogf

$$-\frac{27\,x^{2}+24\,x+1}{(x-1)^{3}}$$

Sequence: A158549
Score: 19.0693
Type of gen. func.: lgdogf

$$-\frac{3\,(9\,x^{2}+34\,x+9)}{(x-1)\,(27\,x^{2}+24\,x+1)}$$

Sequence: A158549
Score: 6.59441

Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 1,\ a(1) = 27,\ a(2) = 105\}$$

Sequence: A158549
Score: 7.24979
Type of gen. func.: ogf

$$(11\,f(x) - 191)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 27\,x^2 - f(x) + 24\,x + 1)$$

Sequence: A158550
Score: 11.1134
Type of gen. func.: ogf

$$\frac{13\,(x^2 - 15\,x - 12)}{(x - 1)^3}$$

Sequence: A158550
Score: 20.5536
Type of gen. func.: lgdogf

$$-\frac{x^2 - 28\,x - 51}{(x - 1)\,(x^2 - 15\,x - 12)}$$

Sequence: A158550
Score: 6.16372
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 156,\ a(1) = 663,\ a(2) = 1508\}$$

Sequence: A158550
Score: 6.66855
Type of gen. func.: ogf

$(3084\,f(x) - 756509)$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 13 x^2 - f(x) + 195 x + 156)$$

Sequence: A158551
Score: 11.8366
Type of gen. func.: ogf

$$\frac{x^2 - 28 x - 25}{(x - 1)^3}$$

Sequence: A158551
Score: 20.3099
Type of gen. func.: lgdogf

$$- \frac{x^2 - 54 x - 103}{(x - 1) (x^2 - 28 x - 25)}$$

Sequence: A158551
Score: 6.37356
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 25, a(1) = 103, a(2) = 233\}$$

Sequence: A158551
Score: 6.95905
Type of gen. func.: ogf

$$(769 f(x) - 28105) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 28 x + 25)$$

Sequence: A158552
Score: 12.4973
Type of gen. func.: ogf

$$- \frac{x^2 + 4 x + 5}{(x - 1) (x + 1)^2}$$

Sequence: A158552
Score: 19.8682
Type of gen. func.: lgdogf

$$-\frac{x^3+7x^2+13x-1}{(x-1)(x+1)(x^2+4x+5)}$$

Sequence: A158552
Score: 6.40619
Type of gen. func.: ogf

$$-(106 f(x)+459)(f(x)x^3+f(x)x^2-f(x)x+x^2-f(x)+4x+5)$$

Sequence: A158552
Score: 6.80657
Type of gen. func.: ogf

$$\{a(n+3)+a(n+2)-a(n+1)-a(n), a(0)=5, a(1)=-1, a(2)=7\}$$

Sequence: A158553
Score: 11.2202
Type of gen. func.: ogf

$$\frac{14(x^2-16x-13)}{(x-1)^3}$$

Sequence: A158553
Score: 20.7551
Type of gen. func.: lgdogf

$$-\frac{x^2-30x-55}{(x-1)(x^2-16x-13)}$$

Sequence: A158553
Score: 6.22299
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 182, a(1) = 770, a(2) = 1750
}

Sequence: A158553
Score: 6.89357
Type of gen. func.: ogf

$$(83 f(x) - 23506) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 14 x^2 - f(x) + 224 x + 182)$$

Sequence: A158554
Score: 11.9521
Type of gen. func.: ogf

$$\frac{x^2 - 30 x - 27}{(x - 1)^3}$$

Sequence: A158554
Score: 20.5120
Type of gen. func.: lgdogf

$$- \frac{x^2 - 58 x - 111}{(x - 1) (x^2 - 30 x - 27)}$$

Sequence: A158554
Score: 6.43574
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 27, a(1) = 111, a(2) = 251}

Sequence: A158554
Score: 6.96295
Type of gen. func.: ogf

$$(1656 f(x) - 65027) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 30 x + 27)$$

Sequence: A158555
Score: 11.4741
Type of gen. func.: ogf

$$-\frac{14 (15 x^2 + 12 x + 1)}{(x - 1)^3}$$

Sequence: A158555
Score: 19.0530
Type of gen. func.: lgdogf

$$-\frac{3 (5 x^2 + 18 x + 5)}{(x - 1) (15 x^2 + 12 x + 1)}$$

Sequence: A158555
Score: 6.47256
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 14, a(1) = 210, a(2) = 798\}$

Sequence: A158555
Score: 6.61031
Type of gen. func.: ogf

$$-(53 f(x) - 6790) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 210 x^2 - f(x) + 168 x + 14)$$

Sequence: A158556
Score: 12.1537
Type of gen. func.: ogf

$$-\frac{29 x^2 + 26 x + 1}{(x - 1)^3}$$

Sequence: A158556
Score: 18.7757
Type of gen. func.: lgdogf

$$-\frac{29 x^2 + 110 x + 29}{(x - 1) (29 x^2 + 26 x + 1)}$$

Sequence: A158556
Score: 6.65812
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 29, a(2) = 113\}$$

Sequence: A158556
Score: 7.12984
Type of gen. func.: ogf

$$(640 f(x) - 11989) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 29 x^2 - f(x) + 26 x + 1)$$

Sequence: A158557
Score: 11.5818
Type of gen. func.: ogf

$$-\frac{15 (16 x^2 + 13 x + 1)}{(x - 1)^3}$$

Sequence: A158557
Score: 19.2354
Type of gen. func.: lgdogf

$$-\frac{2 (8 x^2 + 29 x + 8)}{(x - 1) (16 x^2 + 13 x + 1)}$$

Sequence: A158557
Score: 6.53333
Type of gen. func.: ogf

$$\{a(n+3) - 3 a(n+2) + 3 a(n+1) - a(n), a(0) = 15, a(1) = 240, a(2) = 915\}$$

Sequence: A158557
Score: 6.66855
Type of gen. func.: ogf

$$(1364 f(x) - 201225)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 240 x^2 - f(x) + 195 x + 15)$$

Sequence: A158558
Score: 12.1537
Type of gen. func.: ogf

$$- \frac{31 x^2 + 28 x + 1}{(x - 1)^3}$$

Sequence: A158558
Score: 18.7757
Type of gen. func.: lgdogf

$$- \frac{31 x^2 + 118 x + 31}{(x - 1) (31 x^2 + 28 x + 1)}$$

Sequence: A158558
Score: 6.65812
Type of gen. func.: ogf

$$\{a(n+3) - 3 a(n+2) + 3 a(n+1) - a(n), a(0) = 1, a(1) = 31, a(2) = 121\}$$

Sequence: A158558
Score: 7.31423
Type of gen. func.: ogf

$$(49 f(x) - 985) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 31 x^2 - f(x) + 28 x + 1)$$

Sequence: A158559
Score: 11.3271
Type of gen. func.: ogf

$$\frac{15 (x^2 - 17 x - 14)}{(x - 1)^3}$$

Sequence: A158559
Score: 20.9567
Type of gen. func.: lgdogf

$$- \frac{x^2 - 32 x - 59}{(x - 1) (x^2 - 17 x - 14)}$$

Sequence: A158559
Score: 6.28225
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 210, a(1) = 885, a(2) = 2010$

$\}$

Sequence: A158559
Score: 6.84019
Type of gen. func.: ogf

$$(508 f(x) - 164505)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 15 x^2 - f(x) + 255 x + 210)$$

Sequence: A158560
Score: 11.9521
Type of gen. func.: ogf

$$\frac{x^2 - 32 x - 29}{(x - 1)^3}$$

Sequence: A158560
Score: 20.5120
Type of gen. func.: lgdogf

$$- \frac{x^2 - 62 x - 119}{(x - 1) (x^2 - 32 x - 29)}$$

Sequence: A158560
Score: 6.43574
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 29, a(1) = 119, a(2) = 269\}$$

Sequence: A158560
Score: 7.02146
Type of gen. func.: ogf

$$(887 f(x) - 37243) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 32 x + 29)$$

Sequence: A158561
Score: 13.5312
Type of gen. func.: ogf

$$\frac{(-3 + 8 x) (x - 1)}{(4 x - 1) (2 x - 1)}$$

Sequence: A158561
Score: 5.18062
Type of gen. func.: lgdogf

$$\frac{40 x^2 - 32 x + 7}{(x - 1) (4 x - 1) (2 x - 1) (-3 + 8 x)}$$

Sequence: A158561
Score: 7.09404
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 8 a(n + 1), a(0) = 3, a(1) = 7, a(2) = 26\}$$

Sequence: A158561
Score: 7.30685
Type of gen. func.: ogf

$$-(10 f(x) + 19) (8 f(x) x^2 - 6 f(x) x - 8 x^2 + f(x) + 11 x - 3)$$

Sequence: A158562
Score: 11.4874
Type of gen. func.: ogf

$$\frac{16 (x^2 - 18 x - 15)}{(x - 1)^3}$$

Sequence: A158562
Score: 21.2589
Type of gen. func.: lgdogf

$$-\frac{x^2 - 34 x - 63}{(x - 1) (x^2 - 18 x - 15)}$$

Sequence: A158562
Score: 6.31806
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 240, a(1) = 1008,$$
$$a(2) = 2288\}$$

Sequence: A158562

Score: 6.72644
Type of gen. func.: ogf

$$(237 f(x) - 87020) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 16 x^2 - f(x) + 288 x + 240)$$

Sequence: A158563
Score: 12.0098
Type of gen. func.: ogf

$$\frac{x^2 - 34 x - 31}{(x - 1)^3}$$

Sequence: A158563
Score: 20.6130
Type of gen. func.: lgdogf

$$- \frac{x^2 - 66 x - 127}{(x - 1) (x^2 - 34 x - 31)}$$

Sequence: A158563
Score: 6.46683
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 31, a(1) = 127, a(2) = 287\}$$

Sequence: A158563
Score: 6.99389
Type of gen. func.: ogf

$$(1892 f(x) - 84587) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 34 x + 31)$$

Sequence: A158570
Score: 11.1381
Type of gen. func.: ogf

$$- \frac{x^7 + 5 x^6 + 2 x^5 + x^4 + x^3 + 4 x^2 + 2 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A158574
Score: 11.7434
Type of gen. func.: ogf

$$- \frac{16 (17 x^2 + 14 x + 1)}{(x - 1)^3}$$

Sequence: A158574
Score: 19.5088
Type of gen. func.: lgdogf

$$- \frac{17 x^2 + 62 x + 17}{(x - 1) (17 x^2 + 14 x + 1)}$$

Sequence: A158574
Score: 6.56836
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 16, a(1) = 272, a(2) = 1040\}$$

Sequence: A158574
Score: 6.98111
Type of gen. func.: ogf

$$(13 f(x) - 2188) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 272 x^2 - f(x) + 224 x + 16)$$

Sequence: A158575
Score: 12.2119
Type of gen. func.: ogf

$$- \frac{33 x^2 + 30 x + 1}{}$$

$$(x - 1)^3$$

Sequence: A158575
Score: 18.4072
Type of gen. func.: lgdogf

$$-\frac{3 (11 x^2 + 42 x + 11)}{(x - 1) (33 x^2 + 30 x + 1)}$$

Sequence: A158575
Score: 6.68998
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 33, a(2) = 129\}$$

Sequence: A158575
Score: 6.98655
Type of gen. func.: ogf

$$(244 f(x) - 5239) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 33 x^2 - f(x) + 30 x + 1)$$

Sequence: A158580
Score: 4.63613
Type of gen. func.: ogf

$$\{(2 n + 4) a(n + 1) + a(n + 3) - 30 a(n + 2), a(0) = 1, a(1) = 30, a(2) = 898\}$$

Sequence: A158580
Score: 46.2098
Type of gen. func.: lgdegf]

$$-30 + 2 x + f(x)$$

Sequence: A158585
Score: 11.3805
Type of gen. func.: ogf

$$-\frac{17\,(18\,x^{2}+15\,x+1)}{(x-1)^{3}}$$

Sequence: A158585
Score: 18.8977
Type of gen. func.: lgdogf

$$-\frac{6\,(3\,x^{2}+11\,x+3)}{(x-1)\,(18\,x^{2}+15\,x+1)}$$

Sequence: A158585
Score: 6.36538
Type of gen. func.: ogf

$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 17,\ a(1) = 306,\ a(2) = 1173\}$

Sequence: A158585
Score: 6.45602
Type of gen. func.: ogf

$$-(172\,f(x) - 32759)$$

$$(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x + 306\,x^{2} - f(x) + 255\,x + 17)$$

Sequence: A158586
Score: 12.2119
Type of gen. func.: ogf

$$-\frac{35\,x^{2}+32\,x+1}{(x-1)^{3}}$$

Sequence: A158586
Score: 18.8673
Type of gen. func.: lgdogf

$$-\frac{35 x^2 + 134 x + 35}{(x - 1) (35 x^2 + 32 x + 1)}$$

Sequence: A158586
Score: 6.68998
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 35, a(2) = 137\}$$

Sequence: A158586
Score: 7.22194
Type of gen. func.: ogf

$$(389 f(x) - 8885) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 35 x^2 - f(x) + 32 x + 1)$$

Sequence: A158587
Score: 11.1253
Type of gen. func.: ogf

$$\frac{17 (x^2 - 19 x - 16)}{(x - 1)^3}$$

Sequence: A158587
Score: 20.5795
Type of gen. func.: lgdogf

$$-\frac{x^2 - 36 x - 67}{(x - 1) (x^2 - 19 x - 16)}$$

Sequence: A158587
Score: 6.11889
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 272, a(1) = 1139, a(2) = 2584\}$$

Sequence: A158587
Score: 6.62234
Type of gen. func.: ogf

$$(4028 f(x) - 1664521)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 17 x^2 - f(x) + 323 x + 272)$$

Sequence: A158588
Score: 12.0098
Type of gen. func.: ogf

$$\frac{x^2 - 36 x - 33}{(x - 1)^3}$$

Sequence: A158588
Score: 20.6130
Type of gen. func.: lgdogf

$$- \frac{x^2 - 70 x - 135}{(x - 1) (x^2 - 36 x - 33)}$$

Sequence: A158588
Score: 6.46683
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 33, a(1) = 135, a(2) = 305\}$$

Sequence: A158588
Score: 7.11243
Type of gen. func.: ogf

$$(201 f(x) - 9533) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 36 x + 33)$$

Sequence: A158589
Score: 10.7123
Type of gen. func.: ogf

$$\frac{18 (x^2 - 20 x - 17)}{(x - 1)^3}$$

Sequence: A158589
Score: 19.8042
Type of gen. func.: lgdogf

$$- \frac{x^2 - 38 x - 71}{(x - 1) (x^2 - 20 x - 17)}$$

Sequence: A158589
Score: 5.89176
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 306, a(1) = 1278,

a(2) = 2898}

Sequence: A158589
Score: 6.75916
Type of gen. func.: ogf

$$(533 f(x) - 246258)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 18 x^2 - f(x) + 360 x + 306)$$

Sequence: A158590
Score: 10.9663
Type of gen. func.: ogf

$$- \frac{18 (19 x^2 + 16 x + 1)}{(x - 1)^3}$$

Sequence: A158590
Score: 18.1998
Type of gen. func.: lgdogf

$$-\frac{19 x^{2} + 70 x + 19}{(x - 1) (19 x^{2} + 16 x + 1)}$$

Sequence: A158590
Score: 6.13371
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 18, a(1) = 342, a(2) = 1314}

Sequence: A158590
Score: 6.69707
Type of gen. func.: ogf

(205 f(x) - 43866)

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 342 x^{2} - f(x) + 288 x + 18)$$

Sequence: A158591
Score: 12.2700
Type of gen. func.: ogf

$$-\frac{37 x^{2} + 34 x + 1}{(x - 1)^{3}}$$

Sequence: A158591
Score: 18.9589
Type of gen. func.: lgdogf

$$-\frac{37 x^{2} + 142 x + 37}{(x - 1) (37 x^{2} + 34 x + 1)}$$

Sequence: A158591
Score: 6.72183
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 37, a(2) = 145\}$$

Sequence: A158591
Score: 6.95905
Type of gen. func.: ogf

$$(824 f(x) - 19949) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 37 x^2 - f(x) + 34 x + 1)$$

Sequence: A158592
Score: 11.0193
Type of gen. func.: ogf

$$-\frac{19 (20 x^2 + 17 x + 1)}{(x - 1)^3}$$

Sequence: A158592
Score: 17.3973
Type of gen. func.: lgdogf

$$-\frac{2 (10 x^2 + 37 x + 10)}{(x - 1) (20 x^2 + 17 x + 1)}$$

Sequence: A158592
Score: 6.16334
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 19, a(1) = 380, a(2) = 1463\}$$

Sequence: A158592
Score: 6.61795
Type of gen. func.: ogf

$$(1732 f(x) - 413725)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 380 x^2 - f(x) + 323 x + 19)$$

Sequence: A158593
Score: 12.2700
Type of gen. func.: ogf

$$- \frac{39 x^2 + 36 x + 1}{(x - 1)^3}$$

Sequence: A158593
Score: 18.4965
Type of gen. func.: lgdogf

$$- \frac{3 (13 x^2 + 50 x + 13)}{(x - 1) (39 x^2 + 36 x + 1)}$$

Sequence: A158593
Score: 6.72183
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 39, a(2) = 153\}$$

Sequence: A158593
Score: 7.01802
Type of gen. func.: ogf

$$(145 f(x) - 3709) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 39 x^2 - f(x) + 36 x + 1)$$

Sequence: A158595
Score: 10.7648
Type of gen. func.: ogf

$$\frac{19 (x^2 - 21 x - 18)}{(x - 1)^3}$$

Sequence: A158595
Score: 19.9032
Type of gen. func.: lgdogf

$$-\frac{x^2 - 40 x - 75}{(x - 1) (x^2 - 21 x - 18)}$$

Sequence: A158595
Score: 5.92064
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 342, a(1) = 1425,

a(2) = 3230}

Sequence: A158595
Score: 6.9005
Type of gen. func.: ogf

$$(36 f(x) - 18487) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 19 x^2 - f(x) + 399 x + 342)$$

Sequence: A158596
Score: 12.0676
Type of gen. func.: ogf

$$\frac{x^2 - 40 x - 37}{(x - 1)^3}$$

Sequence: A158596
Score: 20.7141
Type of gen. func.: lgdogf

$$-\frac{x^2 - 78 x - 151}{(x - 1) (x^2 - 40 x - 37)}$$

Sequence: A158596
Score: 6.49791
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 37, a(1) = 151, a(2) = 341\}$$

Sequence: A158596
Score: 7.02484
Type of gen. func.: ogf

$$(1123 f(x) - 59371) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 40 x + 37)$$

Sequence: A158597
Score: 10.8173
Type of gen. func.: ogf

$$\frac{20 (x^2 - 22 x - 19)}{(x - 1)^3}$$

Sequence: A158597
Score: 20.0023
Type of gen. func.: lgdogf

$$- \frac{x^2 - 42 x - 79}{(x - 1) (x^2 - 22 x - 19)}$$

Sequence: A158597
Score: 5.94952
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 380, a(1) = 1580, a(2) = 3580\}$$

Sequence: A158597

Score: 6.81743
Type of gen. func.: ogf

$$(296 f(x) - 168055)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 20 x^2 - f(x) + 440 x + 380)$$

Sequence: A158598
Score: 11.6925
Type of gen. func.: ogf

$$\frac{x^2 - 42 x - 39}{(x - 1)^3}$$

Sequence: A158598
Score: 20.0607
Type of gen. func.: lgdogf

$$- \frac{x^2 - 82 x - 159}{(x - 1) (x^2 - 42 x - 39)}$$

Sequence: A158598
Score: 6.29597
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 39, a(1) = 159, a(2) = 359\}$$

Sequence: A158598
Score: 6.99747
Type of gen. func.: ogf

$$(2364 f(x) - 131411) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 42 x + 39)$$

Sequence: A158601
Score: 11.1253
Type of gen. func.: ogf

$$- \frac{20 (21 x^2 + 18 x + 1)}{(x - 1)^3}$$

Sequence: A158601
Score: 18.4687
Type of gen. func.: lgdogf

$$- \frac{3 (7 x^2 + 26 x + 7)}{(x - 1) (21 x^2 + 18 x + 1)}$$

Sequence: A158601
Score: 6.22260
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 20, a(1) = 420, a(2) = 1620}

Sequence: A158601
Score: 6.62234
Type of gen. func.: ogf

-(38 f(x) - 10075)

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 420 x^2 - f(x) + 360 x + 20)$$

Sequence: A158602
Score: 11.9521
Type of gen. func.: ogf

$$- \frac{41 x^2 + 38 x + 1}{(x - 1)^3}$$

Sequence: A158602
Score: 18.4608
Type of gen. func.: lgdogf

^{2}

```
                                41 x  + 158 x + 41
                          - --------------------------
                                         2
                            (x - 1) (41 x  + 38 x + 1)
```

Sequence: A158602
Score: 6.54766
Type of gen. func.: ogf

```
  {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 41, a(2) = 161}
```

Sequence: A158602
Score: 7.02146
Type of gen. func.: ogf

```
                           3           2                  2
 (916 f(x) - 24685) (f(x) x  - 3 f(x) x  + 3 f(x) x + 41 x  - f(x) + 38 x + 1)
```

Sequence: A158603
Score: 11.1253
Type of gen. func.: ogf

```
                                      2
                              21 (22 x  + 19 x + 1)
                            - ---------------------
                                           3
                                    (x - 1)
```

Sequence: A158603
Score: 17.5678
Type of gen. func.: lgdogf

```
                                     2
                              2 (11 x  + 41 x + 11)
                          - --------------------------
                                         2
                            (x - 1) (22 x  + 19 x + 1)
```

Sequence: A158603
Score: 6.22260
Type of gen. func.: ogf

```
{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 21, a(1) = 462, a(2) = 1785}
```

Sequence: A158603
Score: 6.67575
Type of gen. func.: ogf

$$(1916 f(x) - 560931) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 462 x^2 - f(x) + 399 x + 21)$$

Sequence: A158604
Score: 11.9521
Type of gen. func.: ogf

$$- \frac{43 x^2 + 40 x + 1}{(x - 1)^3}$$

Sequence: A158604
Score: 18.4608
Type of gen. func.: lgdogf

$$- \frac{43 x^2 + 166 x + 43}{(x - 1) (43 x^2 + 40 x + 1)}$$

Sequence: A158604
Score: 6.54766
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 43, a(2) = 169\}$$

Sequence: A158604
Score: 7.02146
Type of gen. func.: ogf

$$(481 f(x) - 13621) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 43 x^2 - f(x) + 40 x + 1)$$

Sequence: A158607
Score: 12.7537

Type of gen. func.: ogf

$$-\frac{7 x^4 + 5 x^3 + 13 x^2 + 11 x + 9}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A158607
Score: 7.60880
Type of gen. func.: lgdogf

$$-\frac{7 x^8 + 10 x^7 + 39 x^6 + 44 x^5 + 45 x^4 + 28 x^3 + 15 x^2 + 26 x + 11}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (7 x^4 + 5 x^3 + 13 x^2 + 11 x + 9)}$$

Sequence: A158608
Score: 13.8370
Type of gen. func.: ogf

$$-\frac{3 x + 1}{16 x^2 + x - 1}$$

Sequence: A158608
Score: 15.2186
Type of gen. func.: revogf

$$\frac{-1 - x + (65 x^2 + 14 x + 1)^{1/2}}{2 (3 + 16 x)}$$

Sequence: A158608
Score: 15.9990
Type of gen. func.: lgdogf

$$-\frac{4 (2 x + 1) (6 x + 1)}{(3 x + 1) (16 x^2 + x - 1)}$$

Sequence: A158608

Score: 7.23302
Type of gen. func.: ogf

$$(41 f(x) - 25) (16 f(x) x^2 + f(x) x - f(x) + 3 x + 1)$$

Sequence: A158608
Score: 7.66872
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 16 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A158609
Score: 12.4178
Type of gen. func.: ogf

$$-\frac{8 x + 1}{81 x^2 + x - 1}$$

Sequence: A158609
Score: 13.3201
Type of gen. func.: revogf

$$\frac{-1 - x + (325 x^2 + 34 x + 1)^{1/2}}{2 (8 + 81 x)}$$

Sequence: A158609
Score: 13.9861
Type of gen. func.: lgdogf

$$-\frac{9 (6 x + 1) (12 x + 1)}{(8 x + 1) (81 x^2 + x - 1)}$$

Sequence: A158609
Score: 6.3469
Type of gen. func.: ogf

$$(181 f(x) - 100) (81 f(x) x^2 + f(x) x - f(x) + 8 x + 1)$$

Sequence: A158609
Score: 6.88218
Type of gen. func.: ogf

$$\{-a(n+2)+a(n+1)+81\,a(n),\ a(0)=1,\ a(1)=9\}$$

Sequence: A158610
Score: 11.5099
Type of gen. func.: ogf

$$-\frac{15x+1}{256x^2+x-1}$$

Sequence: A158610
Score: 12.0254
Type of gen. func.: revogf

$$\frac{-1-x+(1025x^2+62x+1)^{1/2}}{2(15+256x)}$$

Sequence: A158610
Score: 12.2987
Type of gen. func.: lgdogf

$$-\frac{16(12x+1)(20x+1)}{(15x+1)(256x^2+x-1)}$$

Sequence: A158610
Score: 6.00518
Type of gen. func.: ogf

$$(545f(x)-289)(256f(x)x^2+f(x)x-f(x)+15x+1)$$

Sequence: A158610

Score: 6.49972
Type of gen. func.: ogf

$$\{-a(n+2) + a(n+1) + 256\,a(n),\ a(0) = 1,\ a(1) = 16\}$$

Sequence: A158617
Score: 4.73369
Type of gen. func.: ogf

$$\{(2n+4)\,a(n+1) + a(n+3) - 32\,a(n+2),\ a(0) = 1,\ a(1) = 32,\ a(2) = 1022\}$$

Sequence: A158617
Score: 47.5961
Type of gen. func.: lgdegf]

$$-32 + 2x + f(x)$$

Sequence: A158620
Score: 4.14912
Type of gen. func.: ogf

$$\{(-n^3 - 12n^2 - 48n - 63)\,a(n+1) + a(n+2),\ a(0) = 7,\ a(1) = 182\}$$

Sequence: A158621
Score: 4.17192
Type of gen. func.: ogf

$$\{(-n^3 - 12n^2 - 48n - 65)\,a(n+1) + a(n+2),\ a(0) = 9,\ a(1) = 252\}$$

Sequence: A158622
Score: 6.60647
Type of gen. func.: lgdogf

$$-(x^{10} + 2x^9 + 3x^8 + 27x^6 + 66x^5 + 39x^4 + 120x^3 + 93x^2 + 14x + 13) \Big/ \left((x-1)(x^2+x+1)(x^8 + x^7 + x^6 - 2x^5 + 4x^4 + 10x^3 + 7x^2 + 13x + 7)\right)$$

Sequence: A158622
Score: 7.31838
Type of gen. func.: ogf

$$-\frac{x^8+x^7+x^6-2x^5+4x^4+10x^3+7x^2+13x+7}{(x-1)^3(x^2+x+1)^3}$$

Sequence: A158623
Score: 5.42260
Type of gen. func.: ogf

$$\{(n^2+13n+42)a(n+1)+(-n^2-7n-12)a(n+4), a(0)=9, a(1)=18, a(2)=10, a(3)=45\}$$

Sequence: A158623
Score: 7.38725
Type of gen. func.: lgdogf

$$-\frac{x^{10}+45x^6+108x^5+60x^4+180x^3+135x^2+20x+18}{(x-1)(x^2+x+1)(x^8-2x^5+9x^4+18x^3+10x^2+18x+9)}$$

Sequence: A158623
Score: 8.13390
Type of gen. func.: ogf

$$-\frac{x^8-2x^5+9x^4+18x^3+10x^2+18x+9}{(x-1)^3(x^2+x+1)^3}$$

Sequence: A158626
Score: 11.7498
Type of gen. func.: ogf

$$\frac{x^2-44x-41}{}$$

$$(x - 1)^3$$

Sequence: A158626
Score: 20.1610
Type of gen. func.: lgdogf

$$-\frac{x^2 - 86 x - 167}{(x - 1) (x^2 - 44 x - 41)}$$

Sequence: A158626
Score: 6.32683
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 41, a(1) = 167, a(2) = 377}

Sequence: A158626
Score: 7.08673
Type of gen. func.: ogf

$$(1241 f(x) - 72361) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 44 x + 41)$$

Sequence: A158627
Score: 10.9223
Type of gen. func.: ogf

$$\frac{22 (x^2 - 24 x - 21)}{(x - 1)^3}$$

Sequence: A158627
Score: 20.2003
Type of gen. func.: lgdogf

$$-\frac{x^2 - 46 x - 87}{(x - 1) (x^2 - 24 x - 21)}$$

Sequence: A158627
Score: 6.00728
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 462, a(1) = 1914,

a(2) = 4334}

Sequence: A158627
Score: 6.72872
Type of gen. func.: ogf

$$(93 f(x) - 63646) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 22 x^2 - f(x) + 528 x + 462)$$

Sequence: A158628
Score: 11.7498
Type of gen. func.: ogf

$$\frac{x^2 - 46 x - 43}{(x - 1)^3}$$

Sequence: A158628
Score: 20.1610
Type of gen. func.: lgdogf

$$- \frac{x^2 - 90 x - 175}{(x - 1) (x^2 - 46 x - 43)}$$

Sequence: A158628
Score: 6.32683
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 43, a(1) = 175, a(2) = 395}

Sequence: A158628

Score: 6.97136
Type of gen. func.: ogf

$$(104 f(x) - 6347) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 46 x + 43)$$

Sequence: A158629
Score: 11.1782
Type of gen. func.: ogf

$$-\frac{22 (23 x^2 + 20 x + 1)}{(x - 1)^3}$$

Sequence: A158629
Score: 18.5584
Type of gen. func.: lgdogf

$$-\frac{23 x^2 + 86 x + 23}{(x - 1) (23 x^2 + 20 x + 1)}$$

Sequence: A158629
Score: 6.25224
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 22, a(1) = 506, a(2) = 1958}

Sequence: A158629
Score: 6.81456
Type of gen. func.: ogf

$$(251 f(x) - 80762)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 506 x^2 - f(x) + 440 x + 22)$$

Sequence: A158630
Score: 11.9521
Type of gen. func.: ogf

$$-\frac{45 x^2 + 42 x + 1}{(x - 1)^3}$$

Sequence: A158630
Score: 18.0105
Type of gen. func.: lgdogf

$$-\frac{3 (15 x^2 + 58 x + 15)}{(x - 1) (45 x^2 + 42 x + 1)}$$

Sequence: A158630
Score: 6.54766
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 45, a(2) = 177\}$$

Sequence: A158630
Score: 7.20305
Type of gen. func.: ogf

$$(16 f(x) - 475) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 45 x^2 - f(x) + 42 x + 1)$$

Sequence: A158631
Score: 11.2312
Type of gen. func.: ogf

$$-\frac{23 (24 x^2 + 21 x + 1)}{(x - 1)^3}$$

Sequence: A158631
Score: 18.6481
Type of gen. func.: lgdogf

$$-\frac{6 (4 x^2 + 15 x + 4)}{}$$

$$(x-1)\,(24x^2+21x+1)$$

Sequence: A158631
Score: 6.28186
Type of gen. func.: ogf

$$\{a(n+3)-3a(n+2)+3a(n+1)-a(n),\ a(0)=23,\ a(1)=552,\ a(2)=2139\}$$

Sequence: A158631
Score: 6.62667
Type of gen. func.: ogf

$$-(100 f(x) - 35213)$$

$$(f(x)\,x^3 - 3 f(x)\,x^2 + 3 f(x)\,x + 552 x^2 - f(x) + 483 x + 23)$$

Sequence: A158632
Score: 12.0098
Type of gen. func.: ogf

$$-\frac{47x^2+44x+1}{(x-1)^3}$$

Sequence: A158632
Score: 18.5517
Type of gen. func.: lgdogf

$$-\frac{47x^2+182x+47}{(x-1)\,(47x^2+44x+1)}$$

Sequence: A158632
Score: 6.57930
Type of gen. func.: ogf

$$\{a(n+3)-3a(n+2)+3a(n+1)-a(n),\ a(0)=1,\ a(1)=47,\ a(2)=185\}$$

Sequence: A158632
Score: 7.05267
Type of gen. func.: ogf

$$(527 f(x) - 16367) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 47 x^2 - f(x) + 44 x + 1)$$

Sequence: A158633
Score: 10.9748
Type of gen. func.: ogf

$$\frac{23 (x^2 - 25 x - 22)}{(x - 1)^3}$$

Sequence: A158633
Score: 20.2993
Type of gen. func.: lgdogf

$$- \frac{x^2 - 48 x - 91}{(x - 1) (x^2 - 25 x - 22)}$$

Sequence: A158633
Score: 6.03617
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 506, a(1) = 2093,$

$a(2) = 4738\}$

Sequence: A158633
Score: 6.54184
Type of gen. func.: ogf

$$(5444 f(x) - 4065319) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 23 x^2 - f(x) + 575 x + 506)$$

Sequence: A158634
Score: 11.8071
Type of gen. func.: ogf

$$\frac{x^2 - 48 x - 45}{(x - 1)^3}$$

Sequence: A158634
Score: 20.2613
Type of gen. func.: lgdogf

$$-\frac{x^2 - 94 x - 183}{(x - 1) (x^2 - 48 x - 45)}$$

Sequence: A158634
Score: 6.35769
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 45, a(1) = 183, a(2) = 413}

Sequence: A158634
Score: 6.88591
Type of gen. func.: ogf

$$(1359 f(x) - 86635) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 48 x + 45)$$

Sequence: A158636
Score: 10.9748
Type of gen. func.: ogf

$$\frac{24 (x^2 - 26 x - 23)}{(x - 1)^3}$$

Sequence: A158636
Score: 20.2993
Type of gen. func.: lgdogf

$$-\frac{x^2 - 50 x - 95}{(x - 1) (x^2 - 26 x - 23)}$$

Sequence: A158636
Score: 6.03617
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 552, a(1) = 2280,$$
$$a(2) = 5160\}$$

Sequence: A158636
Score: 6.7581
Type of gen. func.: ogf

$$(71 f(x) - 57642) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 24 x^2 - f(x) + 624 x + 552)$$

Sequence: A158637
Score: 11.2312
Type of gen. func.: ogf

$$-\frac{24 (25 x^2 + 22 x + 1)}{(x - 1)^3}$$

Sequence: A158637
Score: 18.6481
Type of gen. func.: lgdogf

$$-\frac{25 x^2 + 94 x + 25}{(x - 1) (25 x^2 + 22 x + 1)}$$

Sequence: A158637
Score: 6.28186
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 24, a(1) = 600, a(2) = 2328\}$$

Sequence: A158637
Score: 6.84393
Type of gen. func.: ogf

$$(137 f(x) - 52590)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 600 x^2 - f(x) + 528 x + 24)$$

Sequence: A158638
Score: 12.0098
Type of gen. func.: ogf

$$- \frac{49 x^2 + 46 x + 1}{(x - 1)^3}$$

Sequence: A158638
Score: 18.5517
Type of gen. func.: lgdogf

$$- \frac{49 x^2 + 190 x + 49}{(x - 1) (49 x^2 + 46 x + 1)}$$

Sequence: A158638
Score: 6.57930
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 49, a(2) = 193\}$$

Sequence: A158638
Score: 6.99389
Type of gen. func.: ogf

$$(1100 f(x) - 35669) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 49 x^2 - f(x) + 46 x + 1)$$

Sequence: A158639
Score: 11.0799
Type of gen. func.: ogf

$$\frac{26 (x^2 - 28 x - 25)}{(x - 1)^3}$$

Sequence: A158639
Score: 19.9280
Type of gen. func.: lgdogf

$$- \frac{x^2 - 54 x - 103}{(x - 1) (x^2 - 28 x - 25)}$$

Sequence: A158639
Score: 6.09392
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 650, a(1) = 2678,$

$a(2) = 6058\}$

Sequence: A158639
Score: 6.70602
Type of gen. func.: ogf

$(769 f(x) - 730730)$

$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 26 x^2 - f(x) + 728 x + 650)$

Sequence: A158640
Score: 11.4331
Type of gen. func.: ogf

$$\frac{x^2 - 54 x - 51}{(x - 1)^3}$$

Sequence: A158640
Score: 19.0798
Type of gen. func.: lgdogf

$$-\frac{x^2 - 106 x - 207}{(x - 1) (x^2 - 54 x - 51)}$$

Sequence: A158640
Score: 6.15631
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 51, a(1) = 207, a(2) = 467}

Sequence: A158640
Score: 6.85949
Type of gen. func.: ogf

$$(3072 f(x) - 220907) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 54 x + 51)$$

Sequence: A158643
Score: 11.3372
Type of gen. func.: ogf

$$-\frac{26 (27 x^2 + 24 x + 1)}{(x - 1)^3}$$

Sequence: A158643
Score: 18.8274
Type of gen. func.: lgdogf

$$-\frac{3 (9 x^2 + 34 x + 9)}{(x - 1) (27 x^2 + 24 x + 1)}$$

Sequence: A158643
Score: 6.34113
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 26, a(1) = 702, a(2) = 2730\}$$

Sequence: A158643
Score: 6.79135
Type of gen. func.: ogf

$$-(11 f(x) - 4966) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 702 x^{2} - f(x) + 624 x + 26)$$

Sequence: A158644
Score: 11.6352
Type of gen. func.: ogf

$$-\frac{53 x^{2} + 50 x + 1}{(x - 1)^{3}}$$

Sequence: A158644
Score: 17.9643
Type of gen. func.: lgdogf

$$-\frac{53 x^{2} + 206 x + 53}{(x - 1) (53 x^{2} + 50 x + 1)}$$

Sequence: A158644
Score: 6.37406
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 53, a(2) = 209\}$$

Sequence: A158644
Score: 7.02484
Type of gen. func.: ogf

3 2 2

$(1192 f(x) - 41917) (f(x) x - 3 f(x) x + 3 f(x) x + 53 x - f(x) + 50 x + 1)$

Sequence: A158645
Score: 11.3902
Type of gen. func.: ogf

$$-\frac{27 (28 x^2 + 25 x + 1)}{(x - 1)^3}$$

Sequence: A158645
Score: 18.4441
Type of gen. func.: lgdogf

$$-\frac{2 (2 x + 7) (7 x + 2)}{(x - 1) (28 x^2 + 25 x + 1)}$$

Sequence: A158645
Score: 6.37076
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 27, a(1) = 756, a(2) = 2943\}$

Sequence: A158645
Score: 6.5134
Type of gen. func.: ogf

$(2468 f(x) - 1202661)$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 756 x^2 - f(x) + 675 x + 27)$$

Sequence: A158646
Score: 11.6352
Type of gen. func.: ogf

$$-\frac{55 x^2 + 52 x + 1}{(x - 1)^3}$$

Sequence: A158646
Score: 17.9643
Type of gen. func.: lgdogf

$$-\frac{55 x^2 + 214 x + 55}{(x - 1) (55 x^2 + 52 x + 1)}$$

Sequence: A158646
Score: 6.37406
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 55, a(2) = 217\}$$

Sequence: A158646
Score: 7.08387
Type of gen. func.: ogf

$$(619 f(x) - 22615) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 55 x^2 - f(x) + 52 x + 1)$$

Sequence: A158655
Score: 11.1324
Type of gen. func.: ogf

$$\frac{27 (x^2 - 29 x - 26)}{(x - 1)^3}$$

Sequence: A158655
Score: 20.0243
Type of gen. func.: lgdogf

$$-\frac{x^2 - 56 x - 107}{(x - 1) (x^2 - 29 x - 26)}$$

Sequence: A158655
Score: 6.12281
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 702, a(1) = 2889, a(2) = 6534\}$$

Sequence: A158655
Score: 6.62717
Type of gen. func.: ogf

$$(6388 f(x) - 6538131) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 27 x^2 - f(x) + 783 x + 702)$$

Sequence: A158656
Score: 11.4331
Type of gen. func.: ogf

$$\frac{x^2 - 56 x - 53}{(x - 1)^3}$$

Sequence: A158656
Score: 19.0798
Type of gen. func.: lgdogf

$$-\frac{x^2 - 110 x - 215}{(x - 1) (x^2 - 56 x - 53)}$$

Sequence: A158656
Score: 6.15631
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 53, a(1) = 215, a(2) = 485\}$$

Sequence: A158656
Score: 6.97477

Type of gen. func.: ogf

$$(319 f(x) - 23807) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 56 x + 53)$$

Sequence: A158657
Score: 11.1324
Type of gen. func.: ogf

$$\frac{28 (x^2 - 30 x - 27)}{(x - 1)^3}$$

Sequence: A158657
Score: 20.0243
Type of gen. func.: lgdogf

$$- \frac{x^2 - 58 x - 111}{(x - 1) (x^2 - 30 x - 27)}$$

Sequence: A158657
Score: 6.12281
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 756, a(1) = 3108, a(2) = 7028\}$$

Sequence: A158657
Score: 6.73493
Type of gen. func.: ogf

$$(414 f(x) - 455189) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 28 x^2 - f(x) + 840 x + 756)$$

Sequence: A158658
Score: 11.4331
Type of gen. func.: ogf

$$\frac{x^2 - 58 x - 55}{(x - 1)^3}$$

Sequence: A158658
Score: 19.0798
Type of gen. func.: lgdogf

$$-\frac{x^2 - 114 x - 223}{(x - 1) (x^2 - 58 x - 55)}$$

Sequence: A158658
Score: 6.15631
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 55, a(1) = 223, a(2) = 503\}$$

Sequence: A158658
Score: 6.85949
Type of gen. func.: ogf

$$(3308 f(x) - 255875) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 58 x + 55)$$

Sequence: A158659
Score: 11.3902
Type of gen. func.: ogf

$$-\frac{28 (29 x^2 + 26 x + 1)}{(x - 1)^3}$$

Sequence: A158659
Score: 18.4441
Type of gen. func.: lgdogf

$$29 x^2 + 110 x + 29$$

$$-\frac{\qquad}{(x - 1) (29 x^2 + 26 x + 1)}$$

Sequence: A158659
Score: 6.37076
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 28, a(1) = 812, a(2) = 3164\}$$

Sequence: A158659
Score: 6.67356
Type of gen. func.: ogf

$$(160 f(x) - 83923) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 812 x^2 - f(x) + 728 x + 28)$$

Sequence: A158660
Score: 11.6352
Type of gen. func.: ogf

$$-\frac{57 x^2 + 54 x + 1}{(x - 1)^3}$$

Sequence: A158660
Score: 17.5262
Type of gen. func.: lgdogf

$$-\frac{3 (19 x^2 + 74 x + 19)}{(x - 1) (57 x^2 + 54 x + 1)}$$

Sequence: A158660
Score: 6.37406
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 57, a(2) = 225\}$$

Sequence: A158660
Score: 7.08387
Type of gen. func.: ogf

$$(428 f(x) - 16223) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 57 x^2 - f(x) + 54 x + 1)$$

Sequence: A158665
Score: 11.4431
Type of gen. func.: ogf

$$- \frac{29 (30 x^2 + 27 x + 1)}{(x - 1)^3}$$

Sequence: A158665
Score: 19.0067
Type of gen. func.: lgdogf

$$- \frac{6 (5 x^2 + 19 x + 5)}{(x - 1) (30 x^2 + 27 x + 1)}$$

Sequence: A158665
Score: 6.40039
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 29, a(1) = 870, a(2) = 3393\}$

Sequence: A158665
Score: 6.43882
Type of gen. func.: ogf

$$-(884 f(x) - 497785)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 870 x^2 - f(x) + 783 x + 29)$$

Sequence: A158666

Score: 11.6352
Type of gen. func.: ogf

$$-\frac{59 x^2 + 56 x + 1}{(x - 1)^3}$$

Sequence: A158666
Score: 17.9643
Type of gen. func.: lgdogf

$$-\frac{59 x^2 + 230 x + 59}{(x - 1) (59 x^2 + 56 x + 1)}$$

Sequence: A158666
Score: 6.37406
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 59, a(2) = 233\}$

Sequence: A158666
Score: 7.20496
Type of gen. func.: ogf

$$(95 f(x) - 3731) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 59 x^2 - f(x) + 56 x + 1)$$

Sequence: A158667
Score: 11.1849
Type of gen. func.: ogf

$$\frac{29 (x^2 - 31 x - 28)}{(x - 1)^3}$$

Sequence: A158667
Score: 20.1205
Type of gen. func.: lgdogf

$$-\frac{x^2 - 60 x - 115}{(x - 1) (x^2 - 31 x - 28)}$$

Sequence: A158667
Score: 6.15169
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 812, a(1) = 3335,$

$a(2) = 7540\}$

Sequence: A158667
Score: 6.79274
Type of gen. func.: ogf

$(196 f(x) - 230927)$

$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 29 x^2 - f(x) + 899 x + 812)$

Sequence: A158668
Score: 11.4331
Type of gen. func.: ogf

$$\frac{x^2 - 60 x - 57}{(x - 1)^3}$$

Sequence: A158668
Score: 19.0798
Type of gen. func.: lgdogf

$$-\frac{x^2 - 118 x - 231}{(x - 1) (x^2 - 60 x - 57)}$$

Sequence: A158668
Score: 6.15631
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 57, a(1) = 231, a(2) = 521\}$

Sequence: A158668
Score: 6.85949
Type of gen. func.: ogf

$$(1713 f(x) - 137161) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 60 x + 57)$$

Sequence: A158669
Score: 11.1849
Type of gen. func.: ogf

$$\frac{30 (x^2 - 32 x - 29)}{(x - 1)^3}$$

Sequence: A158669
Score: 20.1205
Type of gen. func.: lgdogf

$$- \frac{x^2 - 62 x - 119}{(x - 1) (x^2 - 32 x - 29)}$$

Sequence: A158669
Score: 6.15169
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 870, a(1) = 3570,$

$a(2) = 8070\}$

Sequence: A158669
Score: 6.76663
Type of gen. func.: ogf

$(887 f(x) - 1117290)$

3 2 2

$$(f(x)\, x - 3\, f(x)\, x + 3\, f(x)\, x - 30\, x - f(x) + 960\, x + 870)$$

Sequence: A158670
Score: 11.4900
Type of gen. func.: ogf

$$\frac{x^2 - 62\, x - 59}{(x - 1)^3}$$

Sequence: A158670
Score: 19.1767
Type of gen. func.: lgdogf

$$- \frac{x^2 - 122\, x - 239}{(x - 1)\, (x^2 - 62\, x - 59)}$$

Sequence: A158670
Score: 6.18693
Type of gen. func.: ogf

$$\{a(n + 3) - 3\, a(n + 2) + 3\, a(n + 1) - a(n),\ a(0) = 59,\ a(1) = 239,\ a(2) = 539\}$$

Sequence: A158670
Score: 6.88997
Type of gen. func.: ogf

$$(3544\, f(x) - 293411)\, (f(x)\, x^3 - 3\, f(x)\, x^2 + 3\, f(x)\, x - x^2 - f(x) + 62\, x + 59)$$

Sequence: A158672
Score: 11.4431
Type of gen. func.: ogf

$$- \frac{30\, (31\, x^2 + 28\, x + 1)}{(x - 1)^3}$$

Sequence: A158672
Score: 18.5315
Type of gen. func.: lgdogf

$$-\frac{31 x^2 + 118 x + 31}{(x - 1) (31 x^2 + 28 x + 1)}$$

Sequence: A158672
Score: 6.40039
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 30, a(1) = 930, a(2) = 3630}

Sequence: A158672
Score: 6.78748
Type of gen. func.: ogf

$$(49 f(x) - 29550) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 930 x^2 - f(x) + 840 x + 30)$$

Sequence: A158673
Score: 11.6925
Type of gen. func.: ogf

$$-\frac{61 x^2 + 58 x + 1}{(x - 1)^3}$$

Sequence: A158673
Score: 18.0546
Type of gen. func.: lgdogf

$$-\frac{61 x^2 + 238 x + 61}{(x - 1) (61 x^2 + 58 x + 1)}$$

Sequence: A158673
Score: 6.40546
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 61, a(2) = 241\}$$

Sequence: A158673
Score: 7.05579
Type of gen. func.: ogf

$$(1376 f(x) - 55925) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 61 x^2 - f(x) + 58 x + 1)$$

Sequence: A158675
Score: 11.4431
Type of gen. func.: ogf

$$- \frac{31 (32 x^2 + 29 x + 1)}{(x - 1)^3}$$

Sequence: A158675
Score: 18.0795
Type of gen. func.: lgdogf

$$- \frac{2 (16 x^2 + 61 x + 16)}{(x - 1) (32 x^2 + 29 x + 1)}$$

Sequence: A158675
Score: 6.40039
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 31, a(1) = 992, a(2) = 3875\}$$

Sequence: A158675
Score: 6.59873
Type of gen. func.: ogf

$$(2836 f(x) - 1827481)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 992 x^2 - f(x) + 899 x + 31)$$

Sequence: A158676
Score: 11.6925
Type of gen. func.: ogf

$$-\frac{63 x^2 + 60 x + 1}{(x - 1)^3}$$

Sequence: A158676
Score: 17.6142
Type of gen. func.: lgdogf

$$-\frac{3 (21 x^2 + 82 x + 21)}{(x - 1) (63 x^2 + 60 x + 1)}$$

Sequence: A158676
Score: 6.40546
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 63, a(2) = 249\}$$

Sequence: A158676
Score: 7.2367
Type of gen. func.: ogf

$$(79 f(x) - 3319) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 63 x^2 - f(x) + 60 x + 1)$$

Sequence: A158677
Score: 13.9619
Type of gen. func.: ogf

$$-\frac{3 x^5 + 6 x^4 + 5 x^3 + 4 x + 3}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A158677
Score: 8.24303
Type of gen. func.: lgdogf

$$-\frac{3 x^{10} + 12 x^{9} + 15 x^{8} + 20 x^{6} + 18 x^{5} + 15 x^{4} + 24 x^{3} + 15 x^{2} + 4}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (3 x^{5} + 6 x^{4} + 5 x^{3} + 4 x + 3)}$$

Sequence: A158678
Score: 4.46528
Type of gen. func.: ogf

$$\frac{3 x^{3} (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1)}{(x^{6} + x^{3} + 1) (x^{6} - x^{3} + 1)}$$

Sequence: A158678
Score: 6.92493
Type of gen. func.: ogf_with_Euler_transform]

$$x^{17} - x^{11} - x^{5} + x^{3}$$

Sequence: A158679
Score: 11.0180
Type of gen. func.: ogf

$$\frac{31 (x^{2} - 33 x - 30)}{(x - 1)^{3}}$$

Sequence: A158679
Score: 20.1205
Type of gen. func.: lgdogf

$$-\frac{x^{2} - 64 x - 123}{(x - 1) (x^{2} - 33 x - 30)}$$

Sequence: A158679
Score: 6.15169
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 930, a(1) = 3813, a(2) = 8618\}$$

Sequence: A158679
Score: 6.68744
Type of gen. func.: ogf

$$(7332 f(x) - 9852575)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 31 x^2 - f(x) + 1023 x + 930)$$

Sequence: A158680
Score: 11.4900
Type of gen. func.: ogf

$$\frac{x^2 - 64 x - 61}{(x - 1)^3}$$

Sequence: A158680
Score: 19.1767
Type of gen. func.: lgdogf

$$-\frac{x^2 - 126 x - 247}{(x - 1) (x^2 - 64 x - 61)}$$

Sequence: A158680
Score: 6.18693
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 61, a(1) = 247, a(2) = 557\}$$

Sequence: A158680
Score: 6.88997
Type of gen. func.: ogf

$$(1831 f(x) - 156571) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 64 x + 61)$$

Sequence: A158681
Score: 11.2334
Type of gen. func.: lgdogf

$$- \frac{4 (-3 + 8 x)}{(4 x - 1) (2 x - 1)}$$

Sequence: A158681
Score: 14.0210
Type of gen. func.: ogf

$$\frac{4}{(4 x - 1)^2 (2 x - 1)^2}$$

Sequence: A158681
Score: 4.79426
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 3) + (24 + 6 n) a(n + 2) + (-40 - 8 n) a(n + 1), a(0) = 4, a(1) = 48, a(2) = 368\}$$

Sequence: A158681
Score: 5.9449
Type of gen. func.: ogf

$$(257 f(x) + 560) (64 f(x) x^4 - 96 f(x) x^3 + 52 f(x) x^2 - 12 f(x) x + f(x) - 4)$$

Sequence: A158683
Score: 11.1214
Type of gen. func.: ogf

$$\frac{32 (x^2 - 34 x - 31)}{(x - 1)^3}$$

Sequence: A158683
Score: 20.3131
Type of gen. func.: lgdogf

$$- \frac{x^2 - 66 x - 127}{(x - 1) (x^2 - 34 x - 31)}$$

Sequence: A158683
Score: 6.20945
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 992, a(1) = 4064,$$
$$a(2) = 9184\}$$

Sequence: A158683
Score: 6.56927
Type of gen. func.: ogf

$$(473 f(x) - 676696)$$
$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 32 x^2 - f(x) + 1088 x + 992)$$

Sequence: A158684
Score: 11.5469
Type of gen. func.: ogf

$$\frac{x^2 - 66 x - 63}{(x - 1)^3}$$

Sequence: A158684
Score: 19.2735
Type of gen. func.: lgdogf

$$-\frac{x^2 - 130 x - 255}{(x - 1) (x^2 - 66 x - 63)}$$

Sequence: A158684
Score: 6.21756
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 63, a(1) = 255, a(2) = 575}

Sequence: A158684
Score: 7.12767
Type of gen. func.: ogf

$$(108 f(x) - 9529) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 66 x + 63)$$

Sequence: A158685
Score: 10.9145
Type of gen. func.: ogf

$$-\frac{32 (33 x^2 + 30 x + 1)}{(x - 1)^3}$$

Sequence: A158685
Score: 17.4978
Type of gen. func.: lgdogf

$$-\frac{3 (11 x^2 + 42 x + 11)}{(x - 1) (33 x^2 + 30 x + 1)}$$

Sequence: A158685
Score: 6.14513
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 32, a(1) = 1056, a(2) = 4128

}

Sequence: A158685
Score: 6.63101
Type of gen. func.: ogf

$$-(61 f(x) - 41912)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 1056 x^2 - f(x) + 960 x + 32)$$

Sequence: A158686
Score: 11.7498
Type of gen. func.: ogf

$$-\frac{65 x^2 + 62 x + 1}{(x - 1)^3}$$

Sequence: A158686
Score: 18.1449
Type of gen. func.: lgdogf

$$-\frac{65 x^2 + 254 x + 65}{(x - 1) (65 x^2 + 62 x + 1)}$$

Sequence: A158686
Score: 6.43686
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 65, a(2) = 257\}$$

Sequence: A158686
Score: 7.11768
Type of gen. func.: ogf

$$(1468 f(x) - 63685) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 65 x^2 - f(x) + 62 x + 1)$$

Sequence: A158688
Score: 10.8050
Type of gen. func.: ogf

$$-\frac{33\,(34\,x^2 + 31\,x + 1)}{(x - 1)^3}$$

Sequence: A158688
Score: 17.5823
Type of gen. func.: lgdogf

$$-\frac{2\,(17\,x^2 + 65\,x + 17)}{(x - 1)\,(34\,x^2 + 31\,x + 1)}$$

Sequence: A158688
Score: 6.17426
Type of gen. func.: ogf

$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n), a(0) = 33, a(1) = 1122, a(2) = 4389$

$\}$

Sequence: A158688
Score: 6.60679
Type of gen. func.: ogf

$(3020\,f(x) - 2208063)$

$(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 1122\,x^2 - f(x) + 1023\,x + 33)$

Sequence: A158689
Score: 11.7498
Type of gen. func.: ogf

$$-\frac{67\,x^2 + 64\,x + 1}{(x - 1)^3}$$

Sequence: A158689
Score: 18.1449
Type of gen. func.: lgdogf

$$-\frac{67 x^2 + 262 x + 67}{(x - 1) (67 x^2 + 64 x + 1)}$$

Sequence: A158689
Score: 6.43686
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 67, a(2) = 265}

Sequence: A158689
Score: 6.94377
Type of gen. func.: ogf

$$(757 f(x) - 33877) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 67 x^2 - f(x) + 64 x + 1)$$

Sequence: A158692
Score: 10.5545
Type of gen. func.: ogf

$$\frac{33 (x^2 - 35 x - 32)}{(x - 1)^3}$$

Sequence: A158692
Score: 19.5547
Type of gen. func.: lgdogf

$$-\frac{x^2 - 68 x - 131}{(x - 1) (x^2 - 35 x - 32)}$$

Sequence: A158692
Score: 5.93144
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1056, a(1) = 4323, a(2) = 9768\}$

Sequence: A158692
Score: 6.41908
Type of gen. func.: ogf

$$(7804 f(x) - 11863929) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 33 x^2 - f(x) + 1155 x + 1056)$$

Sequence: A158693
Score: 11.5469
Type of gen. func.: ogf

$$\frac{x^2 - 68 x - 65}{(x - 1)^3}$$

Sequence: A158693
Score: 19.2735
Type of gen. func.: lgdogf

$$-\frac{x^2 - 134 x - 263}{(x - 1) (x^2 - 68 x - 65)}$$

Sequence: A158693
Score: 6.21756
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 65, a(1) = 263, a(2) = 593\}$

Sequence: A158693
Score: 6.98143
Type of gen. func.: ogf

$$(1949 f(x) - 177265) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 68 x + 65)$$

Sequence: A158696
Score: 4.75623
Type of gen. func.: ogf

$\{(2 n + 4) a(n + 1) + a(n + 3) - 34 a(n + 2), a(0) = 1, a(1) = 34, a(2) = 1154\}$

Sequence: A158696
Score: 47.8272
Type of gen. func.: lgdegf]

$$-34 + 2 x + f(x)$$

Sequence: A158699
Score: 7.11629
Type of gen. func.: ogf

$$\frac{x (9 x^8 + 8 x^7 + 7 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1)}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (10 x^9 - 1)}$$

Sequence: A158700
Score: 4.82385
Type of gen. func.: ogf

$\{(2 n + 4) a(n + 1) + a(n + 3) - 36 a(n + 2), a(0) = 1, a(1) = 36, a(2) = 1294\}$

Sequence: A158700
Score: 48.5203
Type of gen. func.: lgdegf]

$$-36 + 2 x + f(x)$$

Sequence: A158702
Score: 4.22720
Type of gen. func.: ogf

```
{(2 n + 4) a(n + 1) + a(n + 3) - 38 a(n + 2), a(0) = 1, a(1) = 38, a(2) = 1442}



--------------------------------------------------------------------------------

Sequence:  A158702
Score: 42.4261
Type of gen. func.: lgdegf]


                                 -38 + 2 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A158703
Score: 4.27124
Type of gen. func.: ogf


{(2 n + 4) a(n + 1) + a(n + 3) - 40 a(n + 2), a(0) = 1, a(1) = 40, a(2) = 1598}



--------------------------------------------------------------------------------

Sequence:  A158703
Score: 42.8775
Type of gen. func.: lgdegf]


                                 -40 + 2 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A158727
Score: 4.31527
Type of gen. func.: ogf


{(2 n + 4) a(n + 1) + a(n + 3) - 42 a(n + 2), a(0) = 1, a(1) = 42, a(2) = 1762}



--------------------------------------------------------------------------------

Sequence:  A158727
Score: 43.3288
Type of gen. func.: lgdegf]


                                 -42 + 2 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A158729
Score: 10.1536
Type of gen. func.: ogf


                                     2
                               34 (x  - 36 x - 33)
                               -------------------
```

```
                                        3
                                 (x - 1)



--------------------------------------------------------------------------------

Sequence:  A158729
Score: 18.8011
Type of gen. func.: lgdogf


                                   2
                                  x  - 70 x - 135
                            - ------------------------
                                        2
                              (x - 1) (x  - 36 x - 33)



--------------------------------------------------------------------------------

Sequence:  A158729
Score: 5.65938
Type of gen. func.: ogf


{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1122, a(1) = 4590,

    a(2) = 10370}



--------------------------------------------------------------------------------

Sequence:  A158729
Score: 6.62956
Type of gen. func.: ogf


(201 f(x) - 324122)

              3            2                   2
    (f(x) x  - 3 f(x) x  + 3 f(x) x - 34 x  - f(x) + 1224 x + 1122)



--------------------------------------------------------------------------------

Sequence:  A158730
Score: 11.5469
Type of gen. func.: ogf


                                   2
                                  x  - 70 x - 67
                                  --------------
                                            3
                                     (x - 1)



--------------------------------------------------------------------------------

Sequence:  A158730
Score: 19.2735
Type of gen. func.: lgdogf


                                   2
                                  x  - 138 x - 271
```

$$-\frac{}{(x - 1)(x^2 - 70 x - 67)}$$

Sequence: A158730
Score: 6.21756
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 67, a(1) = 271, a(2) = 611\}$$

Sequence: A158730
Score: 6.98143
Type of gen. func.: ogf

$$(4016 f(x) - 376187) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 70 x + 67)$$

Sequence: A158731
Score: 10.4030
Type of gen. func.: ogf

$$-\frac{34 (35 x^2 + 32 x + 1)}{(x - 1)^3}$$

Sequence: A158731
Score: 17.3416
Type of gen. func.: lgdogf

$$-\frac{35 x^2 + 134 x + 35}{(x - 1) (35 x^2 + 32 x + 1)}$$

Sequence: A158731
Score: 5.94455
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 34, a(1) = 1190, a(2) = 4658\}$$

Sequence: A158731
Score: 6.4885
Type of gen. func.: ogf

$$(389 f(x) - 302090)$$
$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 1190 x^2 - f(x) + 1088 x + 34)$$

Sequence: A158732
Score: 11.7498
Type of gen. func.: ogf

$$- \frac{69 x^2 + 66 x + 1}{(x - 1)^3}$$

Sequence: A158732
Score: 17.7023
Type of gen. func.: lgdogf

$$- \frac{3 (23 x^2 + 90 x + 23)}{(x - 1) (69 x^2 + 66 x + 1)}$$

Sequence: A158732
Score: 6.43686
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 69, a(2) = 273\}$$

Sequence: A158732
Score: 6.94377
Type of gen. func.: ogf

$$(520 f(x) - 23983) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 69 x^2 - f(x) + 66 x + 1)$$

Sequence: A158733

Score: 10.4535
Type of gen. func.: ogf

$$-\frac{35\,(36\,x^2 + 33\,x + 1)}{(x - 1)^3}$$

Sequence: A158733
Score: 17.8744
Type of gen. func.: lgdogf

$$-\frac{6\,(6\,x^2 + 23\,x + 6)}{(x - 1)\,(36\,x^2 + 33\,x + 1)}$$

Sequence: A158733
Score: 5.97341
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 35, a(1) = 1260, a(2) = 4935

}

Sequence: A158733
Score: 6.31465
Type of gen. func.: ogf

$$-(356\,f(x) - 293125)$$

$$(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 1260\,x^2 - f(x) + 1155\,x + 35)$$

Sequence: A158734
Score: 11.8071
Type of gen. func.: ogf

$$-\frac{71\,x^2 + 68\,x + 1}{(x - 1)^3}$$

Sequence: A158734
Score: 18.2351
Type of gen. func.: lgdogf

$$-\frac{71 x^2 + 278 x + 71}{(x - 1) (71 x^2 + 68 x + 1)}$$

Sequence: A158734
Score: 6.46826
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 71, a(2) = 281\}$$

Sequence: A158734
Score: 7.00577
Type of gen. func.: ogf

$$(803 f(x) - 38135) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 71 x^2 - f(x) + 68 x + 1)$$

Sequence: A158735
Score: 10.2036
Type of gen. func.: ogf

$$\frac{35 (x^2 - 37 x - 34)}{(x - 1)^3}$$

Sequence: A158735
Score: 18.8956
Type of gen. func.: lgdogf

$$-\frac{x^2 - 72 x - 139}{(x - 1) (x^2 - 37 x - 34)}$$

Sequence: A158735
Score: 5.68725
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1190, a(1) = 4865, a(2) = 10990\}$$

Sequence: A158735
Score: 6.50173
Type of gen. func.: ogf

$$(8276 f(x) - 14131915) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 35 x^2 - f(x) + 1295 x + 1190)$$

Sequence: A158736
Score: 11.6038
Type of gen. func.: ogf

$$\frac{x^2 - 72 x - 69}{(x - 1)^3}$$

Sequence: A158736
Score: 19.3704
Type of gen. func.: lgdogf

$$- \frac{x^2 - 142 x - 279}{(x - 1) (x^2 - 72 x - 69)}$$

Sequence: A158736
Score: 6.24819
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 69, a(1) = 279, a(2) = 629\}$$

Sequence: A158736
Score: 7.04241
Type of gen. func.: ogf

3   2   2

$(2067 f(x) - 199243) (f(x) x - 3 f(x) x + 3 f(x) x - x - f(x) + 72 x + 69)$

Sequence: A158737
Score: 10.3036
Type of gen. func.: ogf

$$\frac{36 (x^{2} - 38 x - 35)}{(x - 1)^{3}}$$

Sequence: A158737
Score: 19.0845
Type of gen. func.: lgdogf

$$- \frac{x^{2} - 74 x - 143}{(x - 1) (x^{2} - 38 x - 35)}$$

Sequence: A158737
Score: 5.74301
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1260, a(1) = 5148,$

$a(2) = 11628\}$

Sequence: A158737
Score: 6.76834
Type of gen. func.: ogf

$(76 f(x) - 137205)$

$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x - 36 x^{2} - f(x) + 1368 x + 1260)$

Sequence: A158738
Score: 11.6038
Type of gen. func.: ogf

$$\frac{x^{2} - 74 x - 71}{}$$

$$(x - 1)^3$$

Sequence: A158738
Score: 19.3704
Type of gen. func.: lgdogf

$$- \frac{x^2 - 146 x - 287}{(x - 1) (x^2 - 74 x - 71)}$$

Sequence: A158738
Score: 6.24819
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 71, a(1) = 287, a(2) = 647\}$$

Sequence: A158738
Score: 7.04241
Type of gen. func.: ogf

$$(4252 f(x) - 421427) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 74 x + 71)$$

Sequence: A158739
Score: 10.5545
Type of gen. func.: ogf

$$- \frac{36 (37 x^2 + 34 x + 1)}{(x - 1)^3}$$

Sequence: A158739
Score: 17.5992
Type of gen. func.: lgdogf

$$- \frac{37 x^2 + 142 x + 37}{(x - 1) (37 x^2 + 34 x + 1)}$$

Sequence: A158739
Score: 6.03113
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 36, a(1) = 1332, a(2) = 5220\}$$

Sequence: A158739
Score: 6.57314
Type of gen. func.: ogf

$$(206 f(x) - 179541) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 1332 x^2 - f(x) + 1224 x + 36)$$

Sequence: A158740
Score: 11.8071
Type of gen. func.: ogf

$$- \frac{73 x^2 + 70 x + 1}{(x - 1)^3}$$

Sequence: A158740
Score: 18.2351
Type of gen. func.: lgdogf

$$- \frac{73 x^2 + 286 x + 73}{(x - 1) (73 x^2 + 70 x + 1)}$$

Sequence: A158740
Score: 6.46826
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 73, a(2) = 289\}$$

Sequence: A158740
Score: 7.00577
Type of gen. func.: ogf

$$(236 f(x) - 11531) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 73 x^2 - f(x) + 70 x + 1)$$

Sequence: A158741
Score: 10.5545
Type of gen. func.: ogf

$$-\frac{37 (38 x^2 + 35 x + 1)}{(x - 1)^3}$$

Sequence: A158741
Score: 17.1700
Type of gen. func.: lgdogf

$$-\frac{2 (19 x^2 + 73 x + 19)}{(x - 1) (38 x^2 + 35 x + 1)}$$

Sequence: A158741
Score: 6.03113
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 37, a(1) = 1406, a(2) = 5513\}$$

Sequence: A158741
Score: 6.57314
Type of gen. func.: ogf

$$(484 f(x) - 445813) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 1406 x^2 - f(x) + 1295 x + 37)$$

Sequence: A158742

Score: 11.8071
Type of gen. func.: ogf

$$-\frac{75 x^2 + 72 x + 1}{(x - 1)^3}$$

Sequence: A158742
Score: 17.7904
Type of gen. func.: lgdogf

$$-\frac{3 (25 x^2 + 98 x + 25)}{(x - 1) (75 x^2 + 72 x + 1)}$$

Sequence: A158742
Score: 6.46826
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 75, a(2) = 297\}$$

Sequence: A158742
Score: 7.03677
Type of gen. func.: ogf

$$(283 f(x) - 14215) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 75 x^2 - f(x) + 72 x + 1)$$

Sequence: A158743
Score: 10.3036
Type of gen. func.: ogf

$$\frac{37 (x^2 - 39 x - 36)}{(x - 1)^3}$$

Sequence: A158743
Score: 19.0845
Type of gen. func.: lgdogf

$$-\frac{x^2 - 76 x - 147}{(x - 1) (x^2 - 39 x - 36)}$$

Sequence: A158743
Score: 5.74301
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1332, a(1) = 5439,

a(2) = 12284}

Sequence: A158743
Score: 6.55683
Type of gen. func.: ogf

$$(8748 f(x) - 16671941)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 37 x^2 - f(x) + 1443 x + 1332)$$

Sequence: A158744
Score: 11.6038
Type of gen. func.: ogf

$$\frac{x^2 - 76 x - 73}{(x - 1)^3}$$

Sequence: A158744
Score: 19.3704
Type of gen. func.: lgdogf

$$-\frac{x^2 - 150 x - 295}{(x - 1) (x^2 - 76 x - 73)}$$

Sequence: A158744
Score: 6.24819
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 73, a(1) = 295, a(2) = 665\}$

Sequence: A158744
Score: 6.9269
Type of gen. func.: ogf

$$(437 f(x) - 44501) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 76 x + 73)$$

Sequence: A158745
Score: 9.20598
Type of gen. func.: ogf

$$- \frac{4 x^8 + 2 x^6 - 5 x^5 - x^4 + 3 x^2 + 2 x + 1}{(2 x^3 - 1) (x^6 - x^3 + 1)}$$

Sequence: A158749
Score: 14.0813
Type of gen. func.: ogf

$$\frac{9 x}{(9 x - 1)^2}$$

Sequence: A158749
Score: 21.6200
Type of gen. func.: revogf

$$\frac{4 x}{9 (1 + (4 x + 1)^{1/2})^2}$$

Sequence: A158749
Score: 49.1363
Type of gen. func.: lgdogf

$$- \frac{18}{9 x - 1}$$

Sequence: A158749
Score: 6.61651
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1) + 81 a(n), a(0) = 0, a(1) = 9\}$$

Sequence: A158749
Score: 9.0028
Type of gen. func.: ogf

$$-81 f(x) x^2 + 18 f(x) x - f(x) + 9 x$$

Sequence: A158751
Score: 4.35930
Type of gen. func.: ogf

$$\{(2 n + 4) a(n + 1) + a(n + 3) - 44 a(n + 2), a(0) = 1, a(1) = 44, a(2) = 1934\}$$

Sequence: A158751
Score: 43.7801
Type of gen. func.: lgdegf]

$$-44 + 2 x + f(x)$$

Sequence: A158752
Score: 4.38132
Type of gen. func.: ogf

$$\{(2 n + 4) a(n + 1) + a(n + 3) - 46 a(n + 2), a(0) = 1, a(1) = 46, a(2) = 2114\}$$

Sequence: A158752
Score: 44.0058
Type of gen. func.: lgdegf]

$$-46 + 2 x + f(x)$$

Sequence: A158761
Score: 10.2036
Type of gen. func.: ogf

$$-\frac{15 x^2 + 4 x + 1}{64 x^3 + x^2 - 1}$$

Sequence: A158761
Score: 6.20634
Type of gen. func.: ogf

$$(33 f(x) - 17) (64 f(x) x^3 + f(x) x^2 + 15 x^2 - f(x) + 4 x + 1)$$

Sequence: A158761
Score: 6.27098
Type of gen. func.: ogf

$\{a(n + 3) - a(n + 1) - 64 a(n), a(0) = 1, a(1) = 4, a(2) = 16\}$

Sequence: A158761
Score: 9.35670
Type of gen. func.: lgdogf

$$-\frac{4 (240 x^4 + 128 x^3 + 49 x^2 + 8 x + 1)}{(15 x^2 + 4 x + 1) (64 x^3 + x^2 - 1)}$$

Sequence: A158762
Score: 5.76991
Type of gen. func.: ogf

$$(163 f(x) - 82) (729 f(x) x^3 + f(x) x^2 + 80 x^2 - f(x) + 9 x + 1)$$

Sequence: A158762
Score: 5.88888
Type of gen. func.: ogf

{a(n + 3) - a(n + 1) - 729 a(n), a(0) = 1, a(1) = 9, a(2) = 81}

Sequence: A158762
Score: 8.22711
Type of gen. func.: lgdogf

$$-\frac{9\,(6480\,x^4 + 1458\,x^3 + 244\,x^2 + 18\,x + 1)}{(80\,x^2 + 9\,x + 1)\,(729\,x^3 + x^2 - 1)}$$

Sequence: A158762
Score: 9.52035
Type of gen. func.: ogf

$$-\frac{80\,x^2 + 9\,x + 1}{729\,x^3 + x^2 - 1}$$

Sequence: A158764
Score: 10.3536
Type of gen. func.: ogf

$$\frac{38\,(x^2 - 40\,x - 37)}{(x - 1)^3}$$

Sequence: A158764
Score: 19.1790
Type of gen. func.: lgdogf

$$-\frac{x^2 - 78\,x - 151}{(x - 1)\,(x^2 - 40\,x - 37)}$$

Sequence: A158764
Score: 5.77089
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1406, a(1) = 5738,$

$a(2) = 12958\}$

Sequence: A158764
Score: 6.35979
Type of gen. func.: ogf

$$(1123 f(x) - 2256098) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 38 x^2 - f(x) + 1520 x + 1406)$$

Sequence: A158765
Score: 11.6038
Type of gen. func.: ogf

$$\frac{x^2 - 78 x - 75}{(x - 1)^3}$$

Sequence: A158765
Score: 19.3704
Type of gen. func.: lgdogf

$$- \frac{x^2 - 154 x - 303}{(x - 1) (x^2 - 78 x - 75)}$$

Sequence: A158765
Score: 6.24819
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 75, a(1) = 303, a(2) = 683\}$$

Sequence: A158765
Score: 6.81241
Type of gen. func.: ogf

$$(4488 f(x) - 469235) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 78 x + 75)$$

Sequence: A158766
Score: 10.6050
Type of gen. func.: ogf

$$-\frac{38\,(39\,x^2+36\,x+1)}{(x-1)^3}$$

Sequence: A158766
Score: 17.2537
Type of gen. func.: lgdogf

$$-\frac{3\,(13\,x^2+50\,x+13)}{(x-1)\,(39\,x^2+36\,x+1)}$$

Sequence: A158766
Score: 6.05998
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 38, a(1) = 1482, a(2) = 5814

}

Sequence: A158766
Score: 6.39665
Type of gen. func.: ogf

-(145 f(x) - 140942)

$$(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 1482\,x^2 - f(x) + 1368\,x + 38)$$

Sequence: A158767
Score: 11.8071
Type of gen. func.: ogf

$$-\frac{77\,x^2+74\,x+1}{(x-1)^3}$$

Sequence: A158767
Score: 18.2351
Type of gen. func.: lgdogf

$$-\frac{77 x^2 + 302 x + 77}{(x - 1) (77 x^2 + 74 x + 1)}$$

Sequence: A158767
Score: 6.46826
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 77, a(2) = 305\}$$

Sequence: A158767
Score: 6.97813
Type of gen. func.: ogf

$$(1744 f(x) - 89989) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 77 x^2 - f(x) + 74 x + 1)$$

Sequence: A158768
Score: 10.6555
Type of gen. func.: ogf

$$-\frac{39 (40 x^2 + 37 x + 1)}{(x - 1)^3}$$

Sequence: A158768
Score: 17.3375
Type of gen. func.: lgdogf

$$-\frac{2 (20 x^2 + 77 x + 20)}{(x - 1) (40 x^2 + 37 x + 1)}$$

Sequence: A158768
Score: 6.08884
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 39, a(1) = 1560, a(2) = 6123\}$$

Sequence: A158768
Score: 6.52516
Type of gen. func.: ogf

$$(3572 f(x) - 3658785)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 1560 x^2 - f(x) + 1443 x + 39)$$

Sequence: A158769
Score: 11.8644
Type of gen. func.: ogf

$$-\frac{79 x^2 + 76 x + 1}{(x - 1)^3}$$

Sequence: A158769
Score: 18.3254
Type of gen. func.: lgdogf

$$-\frac{79 x^2 + 310 x + 79}{(x - 1) (79 x^2 + 76 x + 1)}$$

Sequence: A158769
Score: 6.49965
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 79, a(2) = 313\}$$

Sequence: A158769

Score: 7.06777
Type of gen. func.: ogf

$$(895 f(x) - 47407) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 79 x^2 - f(x) + 76 x + 1)$$

Sequence: A158770
Score: 10.4037
Type of gen. func.: ogf

$$\frac{39 (x^2 - 41 x - 38)}{(x - 1)^3}$$

Sequence: A158770
Score: 19.2735
Type of gen. func.: lgdogf

$$- \frac{x^2 - 80 x - 155}{(x - 1) (x^2 - 41 x - 38)}$$

Sequence: A158770
Score: 5.79877
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1482, a(1) = 6045, a(2) = 13650\}$$

Sequence: A158770
Score: 6.38732
Type of gen. func.: ogf

$$(1844 f(x) - 3899883) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 39 x^2 - f(x) + 1599 x + 1482)$$

Sequence: A158771
Score: 11.6607
Type of gen. func.: ogf

$$\frac{x^2 - 80 x - 77}{(x - 1)^3}$$

Sequence: A158771
Score: 19.4672
Type of gen. func.: lgdogf

$$- \frac{x^2 - 158 x - 311}{(x - 1) (x^2 - 80 x - 77)}$$

Sequence: A158771
Score: 6.27882
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 77, a(1) = 311, a(2) = 701\}$

Sequence: A158771
Score: 6.95769
Type of gen. func.: ogf

$$(329 f(x) - 35293) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 80 x + 77)$$

Sequence: A158772
Score: 10.0457
Type of gen. func.: ogf

$\{a(n + 3) - 2 a(n), a(0) = 21, a(1) = 21, a(2) = 21\}$

Sequence: A158772
Score: 15.2618
Type of gen. func.: ogf

$$- \frac{21 (x^2 + x + 1)}{2 x^3 - 1}$$

Sequence: A158772
Score: 16.9254
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 4 x^3 + 6 x^2 + 2 x + 1}{(2 x^3 - 1) (x^2 + x + 1)}$$

Sequence: A158772
Score: 9.56161
Type of gen. func.: ogf

$$-(f(x) - 21) (2 f(x) x^3 + 21 x^2 - f(x) + 21 x + 21)$$

Sequence: A158773
Score: 10.4537
Type of gen. func.: ogf

$$\frac{40 (x^2 - 42 x - 39)}{(x - 1)^3}$$

Sequence: A158773
Score: 19.3679
Type of gen. func.: lgdogf

$$-\frac{x^2 - 82 x - 159}{(x - 1) (x^2 - 42 x - 39)}$$

Sequence: A158773
Score: 5.82665
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1560, a(1) = 6360,

a(2) = 14360}

```
------------------------------------------------------------------------------

Sequence:  A158773
Score: 6.46576
Type of gen. func.: ogf


(591 f(x) - 1314110)

           3           2                  2
    (f(x) x  - 3 f(x) x  + 3 f(x) x - 40 x  - f(x) + 1680 x + 1560)



------------------------------------------------------------------------------

Sequence:  A158774
Score: 11.6607
Type of gen. func.: ogf


                                  2
                                 x  - 82 x - 79
                                 --------------
                                           3
                                    (x - 1)



------------------------------------------------------------------------------

Sequence:  A158774
Score: 19.4672
Type of gen. func.: lgdogf


                                  2
                                 x  - 162 x - 319
                           - ------------------------
                                       2
                             (x - 1) (x  - 82 x - 79)



------------------------------------------------------------------------------

Sequence:  A158774
Score: 6.27882
Type of gen. func.: ogf


 {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 79, a(1) = 319, a(2) = 719}



------------------------------------------------------------------------------

Sequence:  A158774
Score: 6.84269
Type of gen. func.: ogf


                             3            2               2
 (4724 f(x) - 519611) (f(x) x  - 3 f(x) x  + 3 f(x) x - x  - f(x) + 82 x + 79)



------------------------------------------------------------------------------
```

Sequence: A158775
Score: 10.5037
Type of gen. func.: ogf

$$-\frac{40\,(x^2+38\,x+41)}{(x-1)^3}$$

Sequence: A158775
Score: 20.0185
Type of gen. func.: lgdogf

$$-\frac{x^2+78\,x+161}{(x-1)\,(x^2+38\,x+41)}$$

Sequence: A158775
Score: 5.85452
Type of gen. func.: ogf

$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 1640,\ a(1) = 6440,$

$a(2) = 14440\}$

Sequence: A158775
Score: 6.49351
Type of gen. func.: ogf

$(589\,f(x) - 1254110)$

$(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 40\,x^2 - f(x) + 1520\,x + 1640)$

Sequence: A158776
Score: 11.8644
Type of gen. func.: ogf

$$-\frac{81\,x^2+78\,x+1}{(x-1)^3}$$

Sequence: A158776
Score: 17.4528
Type of gen. func.: lgdogf

$$-\frac{3\,(27\,x^{2}+106\,x+27)}{(x-1)\,(81\,x^{2}+78\,x+1)}$$

Sequence: A158776
Score: 6.49965
Type of gen. func.: ogf

$$\{a(n+3)-3\,a(n+2)+3\,a(n+1)-a(n),\ a(0)=1,\ a(1)=81,\ a(2)=321\}$$

Sequence: A158776
Score: 7.18859
Type of gen. func.: ogf

$$(68\,f(x)-3695)\,(f(x)\,x^{3}-3\,f(x)\,x^{2}+3\,f(x)\,x+81\,x^{2}-f(x)+78\,x+1)$$

Sequence: A158778
Score: 5.88278
Type of gen. func.: ogf

$$(8\,f(x)-5)\,(256\,f(x)\,x^{4}+48\,x^{3}+f(x)\,x+12\,x^{2}-f(x)+3\,x+1)$$

Sequence: A158778
Score: 6.95574
Type of gen. func.: lgdogf

$$-\frac{4\,(3072\,x^{6}+1536\,x^{5}+576\,x^{4}+232\,x^{3}+33\,x^{2}+6\,x+1)}{(48\,x^{3}+12\,x^{2}+3\,x+1)\,(256\,x^{4}+x-1)}$$

Sequence: A158778
Score: 9.50295
Type of gen. func.: ogf

$$-\frac{48 x^3 + 12 x^2 + 3 x + 1}{256 x^4 + x - 1}$$

Sequence: A158779
Score: 5.54584
Type of gen. func.: ogf

$$-f(x) (6561 f(x) x^4 + 648 x^3 + f(x) x + 72 x^2 - f(x) + 8 x + 1)$$

Sequence: A158779
Score: 5.70861
Type of gen. func.: lgdogf

$$-\frac{9 (472392 x^6 + 104976 x^5 + 17496 x^4 + 2772 x^3 + 208 x^2 + 16 x + 1)}{(648 x^3 + 72 x^2 + 8 x + 1) (6561 x^4 + x - 1)}$$

Sequence: A158779
Score: 8.52569
Type of gen. func.: ogf

$$-\frac{648 x^3 + 72 x^2 + 8 x + 1}{6561 x^4 + x - 1}$$

Sequence: A158780
Score: 12.2618
Type of gen. func.: ogf

$$\frac{x (x^2 - x - 1)}{2 x^2 - 1}$$

Sequence: A158780
Score: 19.3556
Type of gen. func.: lgdogf

$$\frac{2 x^2 + 2 x + 1}{(2 x^2 - 1) (x^2 - x - 1)}$$

Sequence: A158780
Score: 6.84079
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 2), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 1\}$$

Sequence: A158780
Score: 8.22627
Type of gen. func.: ogf

$$(f(x) + 1) (2 f(x) x^2 - x^3 + x^2 - f(x) + x)$$

Sequence: A158783
Score: 4.46938
Type of gen. func.: ogf

$$\{(2 n + 4) a(n + 1) + a(n + 3) - 48 a(n + 2), a(0) = 1, a(1) = 48, a(2) = 2302\}$$

Sequence: A158783
Score: 44.9085
Type of gen. func.: lgdegf]

$$-48 + 2 x + f(x)$$

Sequence: A158784
Score: 10.3631
Type of gen. func.: ogf

$$-\frac{14 x^2 + 4 x + 1}{64 x^3 + 2 x^2 - 1}$$

Sequence: A158784
Score: 6.36897
Type of gen. func.: ogf

$$(17 f(x) - 9) (64 f(x) x^3 + 2 f(x) x^2 + 14 x^2 - f(x) + 4 x + 1)$$

Sequence: A158784
Score: 6.36897
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 1) - 64 a(n), a(0) = 1, a(1) = 4, a(2) = 16\}$$

Sequence: A158784
Score: 9.21352
Type of gen. func.: lgdogf

$$- \frac{4 (224 x^4 + 128 x^3 + 50 x^2 + 8 x + 1)}{(64 x^3 + 2 x^2 - 1) (14 x^2 + 4 x + 1)}$$

Sequence: A158797
Score: 12.2434
Type of gen. func.: ogf

$$- \frac{5 x + 1}{36 x^2 + x - 1}$$

Sequence: A158797
Score: 13.1242
Type of gen. func.: revogf

$$\frac{-1 - x + (145 x^2 + 22 x + 1)^{1/2}}{2 (5 + 36 x)}$$

Sequence: A158797
Score: 6.39997
Type of gen. func.: ogf

$$(85 f(x) - 49) (36 f(x) x^2 + f(x) x - f(x) + 5 x + 1)$$

Sequence: A158797
Score: 6.78551
Type of gen. func.: ogf

{-a(n + 2) + a(n + 1) + 36 a(n), a(0) = 1, a(1) = 6}

Sequence: A158798
Score: 15.1564
Type of gen. func.: ogf

$$-\frac{7 x + 1}{64 x^2 + x - 1}$$

Sequence: A158798
Score: 7.83366
Type of gen. func.: ogf

$$(145 f(x) - 81) (64 f(x) x^2 + f(x) x - f(x) + 7 x + 1)$$

Sequence: A158798
Score: 8.39994
Type of gen. func.: ogf

{-a(n + 2) + a(n + 1) + 64 a(n), a(0) = 1, a(1) = 8}

Sequence: A158799
Score: 10.0059
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x + x^2 - f(x) + x + 1)$$

Sequence: A158799
Score: 17.5659
Type of gen. func.: ogf

$$-\frac{x^2 + x + 1}{x - 1}$$

Sequence: A158799
Score: 27.5929
Type of gen. func.: lgdogf

$$\frac{x^2 - 2 x - 2}{(x - 1) (x^2 + x + 1)}$$

Sequence: A158799
Score: 31.5368
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^2 + 2]$$

Sequence: A158799
Score: 9.41031
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2), a(0) = 1, a(1) = 2, a(2) = 3\}$$

Sequence: A158803
Score: 13.1708
Type of gen. func.: ogf

$$\frac{17 x^2 + 7 x + 17}{(x + 1) (x - 1)^2}$$

Sequence: A158803
Score: 15.6530
Type of gen. func.: lgdogf

$$-\frac{17 x^3 + 31 x^2 + 92 x + 24}{}$$

$$(x - 1) (x + 1) (17 x^2 + 7 x + 17)$$

Sequence: A158803
Score: 6.74603
Type of gen. func.: ogf

$$-(305 f(x) + 16551) (f(x) x^3 - f(x) x^2 - f(x) x - 17 x^2 + f(x) - 7 x - 17)$$

Sequence: A158803
Score: 7.21530
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 17, a(1) = 24, a(2) = 58\}$$

Sequence: A158811
Score: 122.288
Type of gen. func.: lgdegf]

$$2 - 18 x$$

Sequence: A158811
Score: 5.88775
Type of gen. func.: ogf

$$\{(-18 n - 36) a(n + 1) - a(n + 3) + 2 a(n + 2), a(0) = 1, a(1) = 2, a(2) = -14\}$$

Sequence: A158842
Score: 12.2202
Type of gen. func.: ogf

$$-\frac{x^3 - 3 x^2 - 1}{(x - 1)^4}$$

Sequence: A158842
Score: 21.9190
Type of gen. func.: lgdogf

$$-\frac{x^3 - 3x^2 - 6x - 4}{(x - 1)(x^3 - 3x^2 - 1)}$$

Sequence: A158842
Score: 4.77044
Type of gen. func.: ogf

$$\{(-3n^2 - 19n - 26)a(n + 1) + (4n^2 + 16n + 8)a(n + 2)$$
$$+ (-n^2 - 3n)a(n + 3), a(0) = 1, a(1) = 4, a(2) = 13, a(3) = 31\}$$

Sequence: A158842
Score: 6.46275
Type of gen. func.: ogf

$$(62 f(x) + 121)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + x^3 - 4 f(x) x - 6 x^2 + f(x) + 3 x - 1)$$

Sequence: A158869
Score: 11.5169
Type of gen. func.: ogf

$$-\frac{x - 1}{3x^2 - 6x + 1}$$

Sequence: A158869
Score: 12.0542
Type of gen. func.: revogf

$$-\frac{-1 - 6x + (24x^2 + 8x + 1)^{1/2}}{2(3x + 1)}$$

Sequence: A158869
Score: 14.8905
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 6 x + 5}{(x - 1) (3 x^2 - 6 x + 1)}$$

Sequence: A158869
Score: 5.75846
Type of gen. func.: ogf

$$-(24 f(x) + 1) (3 f(x) x^2 - 6 f(x) x + f(x) + x - 1)$$

Sequence: A158869
Score: 6.32026
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A158874
Score: 10.5374
Type of gen. func.: ogf

$$\frac{24 x}{(x - 1)^6}$$

Sequence: A158874
Score: 58.6510
Type of gen. func.: ogf_with_Euler_transform]

[6]

Sequence: A158874
Score: 7.39646
Type of gen. func.: ogf

$$\{(n + 1) a(n + 2) + (-6 - n) a(n + 1), a(0) = 0, a(1) = 24\}$$

Sequence: A158874
Score: 94.8428
Type of gen. func.: lgdogf

$$-\frac{6}{x - 1}$$

Sequence: A158876
Score: 13.0158
Type of gen. func.: lgdegf]

$$(-n - 3)\ a(n + 1) + a(n + 2),\ a(0) = 1,\ a(1) = 2$$

Sequence: A158879
Score: 10.7845
Type of gen. func.: ogf

$$\frac{3 x^{2} + x - 1}{(4 x - 1) (x - 1)^{2}}$$

Sequence: A158879
Score: 13.1662
Type of gen. func.: lgdogf

$$-\frac{12 x^{3} + 20 x^{2} - 19 x + 5}{(x - 1) (4 x - 1) (3 x^{2} + x - 1)}$$

Sequence: A158879
Score: 5.67118
Type of gen. func.: ogf

$$(3897 f(x) + 635) (4 f(x) x^{3} - 9 f(x) x^{2} + 6 f(x) x - 3 x^{2} - f(x) - x + 1)$$

Sequence: A158879
Score: 5.82173
Type of gen. func.: ogf

$\{a(n + 3) - 6 a(n + 2) + 9 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 5, a(2) = 18\}$

Sequence: A158903
Score: 122.288
Type of gen. func.: lgdegf]

$$4 - 18 x$$

Sequence: A158903
Score: 5.96218
Type of gen. func.: ogf

$\{(-18 n - 36) a(n + 1) - a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 4, a(2) = -2\}$

Sequence: A158916
Score: 10.3375
Type of gen. func.: ogf

$$\frac{9 x^3 + 7 x^2 + 4 x + 1}{(2 x + 1) (x^2 + x + 1)}$$

Sequence: A158916
Score: 11.3901
Type of gen. func.: lgdogf

$$\frac{13 x^4 + 38 x^3 + 30 x^2 + 8 x + 1}{(2 x + 1) (x^2 + x + 1) (9 x^3 + 7 x^2 + 4 x + 1)}$$

Sequence: A158916
Score: 5.40370
Type of gen. func.: ogf

$\{-a(n + 4) - 3 a(n + 3) - 3 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 1,$

$a(3) = 1\}$

Sequence: A158916
Score: 6.2025
Type of gen. func.: ogf

$$-f(x) (2 f(x) x^3 + 3 f(x) x^2 - 9 x^3 + 3 f(x) x - 7 x^2 + f(x) - 4 x - 1)$$

Sequence: A158920
Score: 32.8783
Type of gen. func.: lgdogf

$$\frac{2 (x + 1)}{(2 x - 1) (x - 1)}$$

Sequence: A158920
Score: 4.78944
Type of gen. func.: ogf

$$\{a(n + 5) - 6 a(n + 4) + 12 a(n + 3) - 8 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 16, a(4) = 41\}$$

Sequence: A158920
Score: 5.50037
Type of gen. func.: ogf

$$(5 f(x) - 7)$$

$$(8 f(x) x^3 + x^4 - 12 f(x) x^2 - 4 x^3 + 6 f(x) x + 6 x^2 - f(x) - 4 x + 1)$$

Sequence: A158920
Score: 9.02626
Type of gen. func.: ogf

$$-\frac{(x - 1)^4}{(2 x - 1)^3}$$

Sequence: A158923
Score: 10.9276
Type of gen. func.: ogf

$$\frac{x^{30} + x^{15} + x^{8} + x^{4} - x + 2}{(x - 1)^{2}}$$

Sequence: A158926
Score: 16.5502
Type of gen. func.: ogf

$$-\frac{9 x^{3}}{(2 x + 1) (x^{2} + x + 1)}$$

Sequence: A158926
Score: 23.3443
Type of gen. func.: lgdogf

$$-\frac{3 (2 x^{2} + 2 x + 1)}{(2 x + 1) (x^{2} + x + 1)}$$

Sequence: A158926
Score: 5.77331
Type of gen. func.: ogf

{a(n + 4) + 3 a(n + 3) + 3 a(n + 2) + 2 a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0,

a(3) = -9}

Sequence: A158926
Score: 7.52279
Type of gen. func.: ogf

$$-f(x) (2 f(x) x^{3} + 3 f(x) x^{2} + 9 x^{3} + 3 f(x) x + f(x))$$

Sequence: A158927
Score: 10.2398
Type of gen. func.: ogf

$$\frac{9 x^3 + 14 x^2 + 8 x + 2}{(2 x + 1) (x^2 + x + 1)}$$

Sequence: A158927
Score: 11.2723
Type of gen. func.: lgdogf

$$- \frac{x^4 - 22 x^3 - 33 x^2 - 16 x - 2}{(2 x + 1) (x^2 + x + 1) (9 x^3 + 14 x^2 + 8 x + 2)}$$

Sequence: A158927
Score: 5.43019
Type of gen. func.: ogf

$$\{-a(n + 4) - 3 a(n + 3) - 3 a(n + 2) - 2 a(n + 1), a(0) = 2, a(1) = 2, a(2) = 2, a(3) = -7\}$$

Sequence: A158927
Score: 5.87528
Type of gen. func.: ogf

$$(5 f(x) - 218) (2 f(x) x^3 + 3 f(x) x^2 - 9 x^3 + 3 f(x) x - 14 x^2 + f(x) - 8 x - 2)$$

Sequence: A158935
Score: 10.0463
Type of gen. func.: ogf

$$\frac{9 x^3 + 19 x^2 + 16 x + 4}{(2 x + 1) (x^2 + x + 1)}$$

Sequence: A158935
Score: 10.6373
Type of gen. func.: lgdogf

$$-\frac{11 x^{4} + 10 x^{3} - 12 x^{2} - 14 x - 4}{(2 x + 1) (x^{2} + x + 1) (9 x^{3} + 19 x^{2} + 16 x + 4)}$$

Sequence: A158935
Score: 5.40370
Type of gen. func.: ogf

$\{a(n + 4) + 3 a(n + 3) + 3 a(n + 2) + 2 a(n + 1), a(0) = 4, a(1) = 4, a(2) = -5,$

$a(3) = 4\}$

Sequence: A158935
Score: 5.7063
Type of gen. func.: ogf

$-(1 + 4 f(x))$

$(2 f(x) x^{3} + 3 f(x) x^{2} - 9 x^{3} + 3 f(x) x - 19 x^{2} + f(x) - 16 x - 4)$

Sequence: A158938
Score: 7.47565
Type of gen. func.: ogf

$$\frac{37 x^{8} + 2 x^{7} + 2 x^{6} + 10 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 10 x - 3}{(x + 1) (x^{2} + 1) (x^{4} + 1) (x - 1)^{2}}$$

Sequence: A158943
Score: 17.8898
Type of gen. func.: ogf

$$\frac{1}{x^{4} - 2 x^{2} - x + 1}$$

Sequence: A158943
Score: 22.4805
Type of gen. func.: lgdogf

$$-\frac{4x^3-4x-1}{x^4-2x^2-x+1}$$

Sequence: A158943
Score: 7.40892
Type of gen. func.: ogf

$$(5 f(x)+1) (f(x) x^4-2 f(x) x^2-f(x) x+f(x)-1)$$

Sequence: A158953
Score: 18.0389
Type of gen. func.: ogf

$$\frac{4 (x+3)}{(x-1)^2}$$

Sequence: A158953
Score: 27.1303
Type of gen. func.: revogf

$$-\frac{-6-x+2 (9+4 x)^{1/2}}{-4+x}$$

Sequence: A158953
Score: 45.2172
Type of gen. func.: lgdogf

$$-\frac{7+x}{(x+3) (x-1)}$$

Sequence: A158953
Score: 9.53783
Type of gen. func.: ogf

$$(2 f(x)+25) (f(x) x^2-2 f(x) x+f(x)-4 x-12)$$

Sequence: A158953
Score: 9.87846
Type of gen. func.: ogf

{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 12, a(1) = 28}

Sequence: A158954
Score: 114.368
Type of gen. func.: lgdegf]

1 - 8 x

Sequence: A158954
Score: 5.58466
Type of gen. func.: ogf

{(-8 n - 16) a(n + 1) - a(n + 3) + a(n + 2), a(0) = 1, a(1) = 1, a(2) = -7}

Sequence: A158958
Score: 115.399
Type of gen. func.: lgdegf]

3 - 8 x

Sequence: A158958
Score: 5.66258
Type of gen. func.: ogf

{(8 n + 16) a(n + 1) + a(n + 3) - 3 a(n + 2), a(0) = 1, a(1) = 3, a(2) = 1}

Sequence: A158960
Score: 100.681
Type of gen. func.: lgdegf]

2 - 50 x

Sequence: A158960
Score: 4.85677
Type of gen. func.: ogf

{(-50 n - 100) a(n + 1) - a(n + 3) + 2 a(n + 2), a(0) = 1, a(1) = 2, a(2) = -46

}

Sequence: A158961
Score: 4.80939
Type of gen. func.: ogf

{(-50 n - 100) a(n + 1) - a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 4, a(2) = -34

}

Sequence: A158961
Score: 50.0997
Type of gen. func.: lgdegf]

-4 + 50 x + f(x)

Sequence: A158965
Score: 5.52686
Type of gen. func.: ogf

{(-50 n - 100) a(n + 1) - a(n + 3) + 6 a(n + 2), a(0) = 1, a(1) = 6, a(2) = -14

}

Sequence: A158965
Score: 57.4166
Type of gen. func.: lgdegf]

-6 + 50 x + f(x)

Sequence: A158967
Score: 100.681
Type of gen. func.: lgdegf]

8 - 50 x

Sequence: A158967
Score: 4.83307
Type of gen. func.: ogf

{(-50 n - 100) a(n + 1) - a(n + 3) + 8 a(n + 2), a(0) = 1, a(1) = 8, a(2) = 14}

Sequence: A158968
Score: 122.796
Type of gen. func.: lgdegf]

1 - 18 x

Sequence: A158968
Score: 5.93807
Type of gen. func.: ogf

{(-18 n - 36) a(n + 1) - a(n + 3) + a(n + 2), a(0) = 1, a(1) = 1, a(2) = -17}

Sequence: A158969
Score: 122.288
Type of gen. func.: lgdegf]

5 - 18 x

Sequence: A158969
Score: 6.01292
Type of gen. func.: ogf

{(18 n + 36) a(n + 1) + a(n + 3) - 5 a(n + 2), a(0) = 1, a(1) = 5, a(2) = 7}

Sequence: A158980
Score: 5.37798
Type of gen. func.: ogf

{(-98 n - 196) a(n + 1) - a(n + 3) + 2 a(n + 2), a(0) = 1, a(1) = 2, a(2) = -94

}

Sequence: A158980
Score: 55.6396

```
Type of gen. func.: lgdegf]


                                -2 + 98 x + f(x)



------------------------------------------------------------------------------

Sequence:  A158981
Score: 5.33060
Type of gen. func.: ogf


{(-98 n - 196) a(n + 1) - a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 4, a(2) = -82

    }



------------------------------------------------------------------------------

Sequence:  A158981
Score: 55.3988
Type of gen. func.: lgdegf]


                                -4 + 98 x + f(x)



------------------------------------------------------------------------------

Sequence:  A158987
Score: 5.33060
Type of gen. func.: ogf


{(98 n + 196) a(n + 1) + a(n + 3) - 6 a(n + 2), a(0) = 1, a(1) = 6, a(2) = -62}



------------------------------------------------------------------------------

Sequence:  A158987
Score: 55.3988
Type of gen. func.: lgdegf]


                                -6 + 98 x + f(x)



------------------------------------------------------------------------------

Sequence:  A158991
Score: 5.35430
Type of gen. func.: ogf


{(-98 n - 196) a(n + 1) - a(n + 3) + 8 a(n + 2), a(0) = 1, a(1) = 8, a(2) = -34

    }



------------------------------------------------------------------------------

Sequence:  A158991
Score: 55.6396
Type of gen. func.: lgdegf]
```

$$-8 + 98 x + f(x)$$

Sequence: A159005
Score: 4.72202
Type of gen. func.: ogf

{(98 n + 196) a(n + 1) + a(n + 3) - 10 a(n + 2), a(0) = 1, a(1) = 10, a(2) = 2}

Sequence: A159005
Score: 45.3314
Type of gen. func.: lgdegf]

$$-10 + 98 x + f(x)$$

Sequence: A159007
Score: 13.0883
Type of gen. func.: ogf

$$\frac{32 x^2 + 9 x + 32}{(x + 1) (x - 1)^2}$$

Sequence: A159007
Score: 15.2657
Type of gen. func.: lgdogf

$$- \frac{32 x^3 + 50 x^2 + 169 x + 41}{(x - 1) (x + 1) (32 x^2 + 9 x + 32)}$$

Sequence: A159007
Score: 6.59653
Type of gen. func.: ogf

$$-(2737 f(x) + 236665) (f(x) x^3 - f(x) x^2 - f(x) x - 32 x^2 + f(x) - 9 x - 32)$$

Sequence: A159007
Score: 7.10833
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 32, a(1) = 41, a(2) = 105}

Sequence: A159008
Score: 12.8739
Type of gen. func.: ogf

$$\frac{25 x^2 + 39 x + 25}{(x + 1) (x - 1)^2}$$

Sequence: A159008
Score: 14.7006
Type of gen. func.: lgdogf

$$- \frac{25 x^3 + 103 x^2 + 164 x + 64}{(x - 1) (x + 1) (25 x^2 + 39 x + 25)}$$

Sequence: A159008
Score: 6.8661
Type of gen. func.: ogf

$$(427 f(x) - 10747) (f(x) x^3 - f(x) x^2 - f(x) x - 25 x^2 + f(x) - 39 x - 25)$$

Sequence: A159008
Score: 7.10286
Type of gen. func.: ogf

{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 25, a(1) = 64, a(2) = 114}

Sequence: A159013
Score: 4.63824
Type of gen. func.: ogf

{(-98 n - 196) a(n + 1) - a(n + 3) + 12 a(n + 2), a(0) = 1, a(1) = 12,

a(2) = 46}

Sequence: A159013
Score: 44.6775
Type of gen. func.: lgdegf]

-12 + 98 x + f(x)

Sequence: A159014
Score: 5.13452
Type of gen. func.: ogf

{(-32 n - 64) a(n + 1) - a(n + 3) + a(n + 2), a(0) = 1, a(1) = 1, a(2) = -31}

Sequence: A159014
Score: 52.9999
Type of gen. func.: lgdegf]

-1 + 32 x + f(x)

Sequence: A159017
Score: 5.13452
Type of gen. func.: ogf

{(-32 n - 64) a(n + 1) - a(n + 3) + 3 a(n + 2), a(0) = 1, a(1) = 3, a(2) = -23}

Sequence: A159017
Score: 52.7546
Type of gen. func.: lgdegf]

-3 + 32 x + f(x)

Sequence: A159019
Score: 5.22638
Type of gen. func.: ogf

{(32 n + 64) a(n + 1) + a(n + 3) - 5 a(n + 2), a(0) = 1, a(1) = 5, a(2) = -7}

Sequence: A159019
Score: 53.7360
Type of gen. func.: lgdegf]

$$-5 + 32 x + f(x)$$

Sequence: A159026
Score: 7.76011
Type of gen. func.: lgdogf

$$\frac{16 x^{21} - 17 x^{20} - 18 x^{19} + 19 x^{18} - 81 x^{4} + 16 x^{3} + 175 x^{2} - 18 x - 98}{(x - 1) (x + 1) (x^{20} - x^{19} + 81 x^{3} - 89 x^{2} - 80 x + 89)}$$

Sequence: A159026
Score: 9.55488
Type of gen. func.: ogf

$$- \frac{x^{20} - x^{19} + 81 x^{3} - 89 x^{2} - 80 x + 89}{(x + 1) (x - 1)^{3}}$$

Sequence: A159027
Score: 10.7127
Type of gen. func.: ogf

$$- \frac{x^{22} - x^{21} + 100 x^{3} - 109 x^{2} - 99 x + 109}{(x + 1) (x - 1)^{3}}$$

Sequence: A159027
Score: 8.61519
Type of gen. func.: lgdogf

$$\frac{18 x^{23} - 19 x^{22} - 20 x^{21} + 21 x^{20} - 100 x^{4} + 18 x^{3} + 215 x^{2} - 20 x - 119}{(x - 1) (x + 1) (x^{22} - x^{21} + 100 x^{3} - 109 x^{2} - 99 x + 109)}$$

Sequence: A159028
Score: 5.18319
Type of gen. func.: ogf

$$\{(32 n + 64) a(n + 1) + a(n + 3) - 7 a(n + 2), a(0) = 1, a(1) = 7, a(2) = 17\}$$

Sequence: A159028
Score: 53.2453
Type of gen. func.: lgdegf]

$$-7 + 32 x + f(x)$$

Sequence: A159030
Score: 4.91242
Type of gen. func.: ogf

$$\{(-162 n - 324) a(n + 1) - a(n + 3) + 2 a(n + 2), a(0) = 1, a(1) = 2, a(2) = -158\}$$

Sequence: A159030
Score: 47.7287
Type of gen. func.: lgdegf]

$$-2 + 162 x + f(x)$$

Sequence: A159035
Score: 11.2605
Type of gen. func.: lgdogf

$$-\frac{(x - 1) (4 x^2 - 3 x + 1)}{(2 x^3 - 4 x^2 + 4 x - 1) (x^3 - 2 x^2 + 3 x - 1)}$$

Sequence: A159035
Score: 5.04879
Type of gen. func.: ogf

$$\{a(n + 4) - 4 a(n + 3) + 4 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 5\}$$

Sequence: A159035
Score: 5.60034
Type of gen. func.: ogf

$$(f(x) + 3) (2 f(x) x^3 - 4 f(x) x^2 - x^3 + 4 f(x) x + 2 x^2 - f(x) - 3 x + 1)$$

Sequence: A159035
Score: 9.65855
Type of gen. func.: ogf

$$\frac{x^3 - 2 x^2 + 3 x - 1}{2 x^3 - 4 x^2 + 4 x - 1}$$

Sequence: A159036
Score: 12.3350
Type of gen. func.: ogf

$$- \frac{x (x^2 + 1)}{2 x^3 - 4 x^2 + 4 x - 1}$$

Sequence: A159036
Score: 15.0673
Type of gen. func.: lgdogf

$$- \frac{2 (x^4 + x^2 - 3 x + 2)}{(x^2 + 1) (2 x^3 - 4 x^2 + 4 x - 1)}$$

Sequence: A159036
Score: 5.32647
Type of gen. func.: ogf

$\{a(n + 4) - 4 a(n + 3) + 4 a(n + 2) - 2 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 4,$

$a(3) = 13\}$

Sequence: A159036
Score: 7.10197
Type of gen. func.: ogf

$$f(x) (2 f(x) x^3 - 4 f(x) x^2 + x^3 + 4 f(x) x - f(x) + x)$$

Sequence: A159038
Score: 16.5067
Type of gen. func.: egf]

$$\frac{8}{(x - 1)^2}$$

Sequence: A159038
Score: 6.12046
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 1) + a(n + 2), a(0) = 8, a(1) = 16\}$$

Sequence: A159038
Score: 66.6180
Type of gen. func.: lgdegf]

$$- \frac{2}{x - 1}$$

Sequence: A159038
Score: 76.1348
Type of gen. func.: revegf]

$$\frac{x}{8 + x}$$

Sequence: A159038
Score: 9.23256
Type of gen. func.: egf]

$$-f(x)\,x^2 + 2\,f(x)\,x - f(x) + 8$$

Sequence: A159058
Score: 10.8957
Type of gen. func.: ogf

$$-\frac{x\,(x^6 + 2\,x^5 + 7\,x^4 + 4\,x^3 + 5\,x^2 + 6\,x + 3)}{(x - 1)\,(x + 1)\,(x^2 + 1)\,(x^4 + 1)}$$

Sequence: A159075
Score: 22.0557
Type of gen. func.: ogf

$$-x - f(x)$$

Sequence: A159075
Score: 9.57136
Type of gen. func.: ogf

$$\{-a(n + 2),\ a(0) = 0,\ a(1) = -1\}$$

Sequence: A159083
Score: 3.62159
Type of gen. func.: ogf

$$\{(-5 + n)\,a(n + 2) + (-2 - n)\,a(n + 1),\ a(0) = 0,\ a(1) = 0,\ a(2) = 0,\ a(3) = 0,$$
$$a(4) = 0,\ a(5) = 0,\ a(6) = 0,\ a(7) = 5040\}$$

Sequence: A159083
Score: 6.69800
Type of gen. func.: ogf

$$\frac{5040\,x^7}{(x - 1)^8}$$

Sequence: A159083
Score: 79.1002
Type of gen. func.: lgdogf

$$-\frac{8}{x - 1}$$

Sequence: A159197
Score: 4.95812
Type of gen. func.: ogf

$\{(-162 n - 324) a(n + 1) - a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 4,$

$a(2) = -146\}$

Sequence: A159197
Score: 48.1646
Type of gen. func.: lgdegf]

$$-4 + 162 x + f(x)$$

Sequence: A159217
Score: 4.34213
Type of gen. func.: ogf

$(1207 f(x) + 22773)$

$(4 f(x) x^4 - 6 f(x) x^3 + 2 x^3 + 3 f(x) x - 7 x^2 - f(x) - x + 3)$

Sequence: A159217
Score: 6.20844
Type of gen. func.: lgdogf

$$-\frac{8 x^6 - 56 x^5 + 30 x^4 + 48 x^3 - 27 x^2 - 14 x + 8}{(x - 1) (2 x - 1) (2 x^2 - 1) (2 x^3 - 7 x^2 - x + 3)}$$

Sequence: A159217
Score: 7.92912
Type of gen. func.: ogf

$$-\frac{2x^3 - 7x^2 - x + 3}{(x-1)(2x-1)(2x^2-1)}$$

Sequence: A159219
Score: 4.45845
Type of gen. func.: ogf

$$(12577 f(x) + 2143972)$$

$$(4 f(x) x^4 - 6 f(x) x^3 + 24 x^3 + 3 f(x) x - 68 x^2 - f(x) - 12 x + 30)$$

Sequence: A159219
Score: 6.04106
Type of gen. func.: lgdogf

$$-\frac{48x^6 - 272x^5 + 132x^4 + 240x^3 - 132x^2 - 68x + 39}{(x-1)(2x-1)(2x^2-1)(12x^3 - 34x^2 - 6x + 15)}$$

Sequence: A159219
Score: 8.12293
Type of gen. func.: ogf

$$-\frac{2(12x^3 - 34x^2 - 6x + 15)}{(x-1)(2x-1)(2x^2-1)}$$

Sequence: A159221
Score: 4.54774
Type of gen. func.: ogf

$$(16511 f(x) + 788772)$$

$$(4 f(x) x^4 - 6 f(x) x^3 + 8 x^3 + 3 f(x) x - 20 x^2 - f(x) - 4 x + 9)$$

Sequence: A159221

Score: 6.23344
Type of gen. func.: lgdogf

$$-\frac{32 x^6 - 160 x^5 + 72 x^4 + 144 x^3 - 78 x^2 - 40 x + 23}{(x - 1) (2 x - 1) (2 x^2 - 1) (8 x^3 - 20 x^2 - 4 x + 9)}$$

Sequence: A159221
Score: 8.38086
Type of gen. func.: ogf

$$-\frac{8 x^3 - 20 x^2 - 4 x + 9}{(x - 1) (2 x - 1) (2 x^2 - 1)}$$

Sequence: A159222
Score: 4.21785
Type of gen. func.: ogf

$(16003 f(x) + 721129)$

$$(4 f(x) x^4 - 6 f(x) x^3 + 2 x^3 + 3 f(x) x - 15 x^2 - f(x) - x + 7)$$

Sequence: A159222
Score: 5.96708
Type of gen. func.: lgdogf

$$-\frac{8 x^6 - 120 x^5 + 78 x^4 + 112 x^3 - 75 x^2 - 30 x + 20}{(x - 1) (2 x - 1) (2 x^2 - 1) (2 x^3 - 15 x^2 - x + 7)}$$

Sequence: A159222
Score: 7.77290
Type of gen. func.: ogf

$$-\frac{2 x^3 - 15 x^2 - x + 7}{(x - 1) (2 x - 1) (2 x^2 - 1)}$$

Sequence: A159225
Score: 5.40904
Type of gen. func.: ogf

$$-\frac{12 x^4 - 20 x^3 - 13 x^2 + 17 x + 7}{(2 x - 1) (2 x + 1) (x - 1) (2 x^2 - 1)}$$

Sequence: A159227
Score: 5.73561
Type of gen. func.: ogf

$$-\frac{8 x^4 - 32 x^3 - 19 x^2 + 15 x + 7}{(2 x - 1) (2 x + 1) (x - 1) (2 x^2 - 1)}$$

Sequence: A159229
Score: 2.03467
Type of gen. func.: ogf

$$-(8575 f(x) - 433131) (16 f(x) x^4 - 24 f(x) x^3 + 6 f(x) x^2 - 4 x^3 + 3 f(x) x - 22 x^2 - f(x) + 2 x + 3)$$

Sequence: A159229
Score: 3.86588
Type of gen. func.: ogf

$$\frac{4 x^3 + 22 x^2 - 2 x - 3}{(x - 1) (2 x - 1) (8 x^2 - 1)}$$

Sequence: A159230
Score: 4.36698
Type of gen. func.: ogf

$$(f(x) + 23) (4 f(x) x^4 - 6 f(x) x^3 + 2 x^3 + 3 f(x) x - 5 x^2 - f(x) - x + 2)$$

Sequence: A159230
Score: 5.94018
Type of gen. func.: lgdogf

$$-\frac{8 x^6 - 40 x^5 + 18 x^4 + 32 x^3 - 15 x^2 - 10 x + 5}{(x - 1) (2 x - 1) (2 x^2 - 1) (2 x^3 - 5 x^2 - x + 2)}$$

Sequence: A159230
Score: 7.59477
Type of gen. func.: ogf

$$-\frac{2 x^3 - 5 x^2 - x + 2}{(x - 1) (2 x - 1) (2 x^2 - 1)}$$

Sequence: A159232
Score: 4.97539
Type of gen. func.: ogf

$$\{(-162 n - 324) a(n + 1) - a(n + 3) + 8 a(n + 2), a(0) = 1, a(1) = 8, a(2) = -98\}$$

Sequence: A159232
Score: 47.9466
Type of gen. func.: lgdegf]

$$-8 + 162 x + f(x)$$

Sequence: A159240
Score: 4.94112
Type of gen. func.: ogf

$$\{(162 n + 324) a(n + 1) + a(n + 3) - 10 a(n + 2), a(0) = 1, a(1) = 10, a(2) = -62\}$$

Sequence: A159240

Score: 45.1290
Type of gen. func.: lgdegf]

-10 + 162 x + f(x)

Sequence: A159242
Score: 4.91846
Type of gen. func.: ogf

{(162 n + 324) a(n + 1) + a(n + 3) - 14 a(n + 2), a(0) = 1, a(1) = 14,

a(2) = 34}

Sequence: A159242
Score: 44.7242
Type of gen. func.: lgdegf]

-14 + 162 x + f(x)

Sequence: A159245
Score: 4.89578
Type of gen. func.: ogf

{(-162 n - 324) a(n + 1) - a(n + 3) + 16 a(n + 2), a(0) = 1, a(1) = 16,

a(2) = 94}

Sequence: A159245
Score: 44.3195
Type of gen. func.: lgdegf]

-16 + 162 x + f(x)

Sequence: A159247
Score: 100.681
Type of gen. func.: lgdegf]

1 - 50 x

Sequence: A159247
Score: 4.85677

Type of gen. func.: ogf

{(-50 n - 100) a(n + 1) - a(n + 3) + a(n + 2), a(0) = 1, a(1) = 1, a(2) = -49}

Sequence: A159249
Score: 5.45445
Type of gen. func.: ogf

{(-50 n - 100) a(n + 1) - a(n + 3) + 3 a(n + 2), a(0) = 1, a(1) = 3, a(2) = -41
}

Sequence: A159249
Score: 56.4351
Type of gen. func.: lgdegf]

$$-3 + 50 x + f(x)$$

Sequence: A159252
Score: 101.645
Type of gen. func.: lgdegf]

$$7 - 50 x$$

Sequence: A159252
Score: 4.92079
Type of gen. func.: ogf

{(50 n + 100) a(n + 1) + a(n + 3) - 7 a(n + 2), a(0) = 1, a(1) = 7, a(2) = -1}

Sequence: A159254
Score: 13.5077
Type of gen. func.: ogf

$$\frac{7 x^2 + 36 x + 7}{(x + 1) (x - 1)^2}$$

Sequence: A159254

Score: 16.4350
Type of gen. func.: lgdogf

$$-\frac{7 x^{3} + 79 x^{2} + 71 x + 43}{(x - 1) (x + 1) (7 x^{2} + 36 x + 7)}$$

Sequence: A159254
Score: 7.21965
Type of gen. func.: ogf

$$(29 f(x) + 2332) (f(x) x^{3} - f(x) x^{2} - f(x) x - 7 x^{2} + f(x) - 36 x - 7)$$

Sequence: A159254
Score: 7.34632
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 7, a(1) = 43, a(2) = 57\}$$

Sequence: A159256
Score: 8.43911
Type of gen. func.: ogf

$$-\frac{x^{24} - x^{23} + 121 x^{3} - 131 x^{2} - 120 x + 131}{(x + 1) (x - 1)^{3}}$$

Sequence: A159277
Score: 10.0357
Type of gen. func.: ogf

$$-32 f(x) x^{2} - 4 f(x) x + f(x) - 8 x$$

Sequence: A159277
Score: 15.8458
Type of gen. func.: ogf

$$-\frac{8 x}{}$$

$$(4 x + 1) (8 x - 1)$$

Sequence: A159277
Score: 17.9744
Type of gen. func.: revogf

$$\frac{-2 - x + (9 x^2 + 4 x + 4)^{1/2}}{16 x}$$

Sequence: A159277
Score: 21.9687
Type of gen. func.: lgdogf

$$- \frac{4 (1 + 16 x)}{(4 x + 1) (8 x - 1)}$$

Sequence: A159277
Score: 7.34320
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 32 a(n), a(0) = 0, a(1) = 8\}$$

Sequence: A159279
Score: 101.163
Type of gen. func.: lgdegf]

$$9 - 50 x$$

Sequence: A159279
Score: 4.88046
Type of gen. func.: ogf

$$\{(50 n + 100) a(n + 1) + a(n + 3) - 9 a(n + 2), a(0) = 1, a(1) = 9, a(2) = 31\}$$

Sequence: A159280
Score: 5.23230
Type of gen. func.: ogf

$\{(-242 n - 484) a(n + 1) - a(n + 3) + 2 a(n + 2), a(0) = 1, a(1) = 2, a(2) = -238\}$

Sequence: A159280
Score: 50.7798
Type of gen. func.: lgdegf]

$$-2 + 242 x + f(x)$$

Sequence: A159281
Score: 5.25515
Type of gen. func.: ogf

$\{(-242 n - 484) a(n + 1) - a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 4, a(2) = -226\}$

Sequence: A159281
Score: 50.9978
Type of gen. func.: lgdegf]

$$-4 + 242 x + f(x)$$

Sequence: A159283
Score: 10.8094
Type of gen. func.: ogf_with_Euler_transform]

$$158663322 x^5 + 3616 x^3 + 1$$

Sequence: A159284
Score: 13.3635
Type of gen. func.: ogf

$$-\frac{(x + 1) x}{2 x^3 + x^2 - 1}$$

Sequence: A159284
Score: 17.4300

Type of gen. func.: lgdogf

$$-\frac{4x^3+7x^2+2x+1}{(x+1)(2x^3+x^2-1)}$$

Sequence: A159284
Score: 7.61575
Type of gen. func.: ogf

$$-(f(x)+1)(2f(x)x^3+f(x)x^2+x^2-f(x)+x)$$

Sequence: A159284
Score: 7.61575
Type of gen. func.: ogf

$$\{a(n+3)-a(n+1)-2a(n), a(0)=0, a(1)=1, a(2)=1\}$$

Sequence: A159285
Score: 15.5836
Type of gen. func.: ogf

$$-\frac{3x+1}{2x^3+x^2-1}$$

Sequence: A159285
Score: 17.4149
Type of gen. func.: lgdogf

$$-\frac{12x^3+9x^2+2x+3}{(3x+1)(2x^3+x^2-1)}$$

Sequence: A159285
Score: 8.12338
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+1)+2a(n), a(0)=1, a(1)=3, a(2)=1\}$$

Sequence: A159285
Score: 8.29998
Type of gen. func.: ogf

$$-(13 f(x) - 300) (2 f(x) x^3 + f(x) x^2 - f(x) + 3 x + 1)$$

Sequence: A159286
Score: 10.3548
Type of gen. func.: ogf

$$-\frac{(x - 1)^2}{2 x^3 + x^2 - 1}$$

Sequence: A159286
Score: 15.8234
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - 3 x^2 - x + 1)}{(x - 1) (2 x^3 + x^2 - 1)}$$

Sequence: A159286
Score: 6.08475
Type of gen. func.: ogf

$$-(2 f(x) - 1) (2 f(x) x^3 + f(x) x^2 + x^2 - f(x) - 2 x + 1)$$

Sequence: A159286
Score: 6.27895
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1) + 2 a(n), a(0) = 1, a(1) = -2, a(2) = 2\}$$

Sequence: A159287

Score: 12.5539
Type of gen. func.: ogf

$$-2 f(x) x^3 - f(x) x^2 - x^2 + f(x)$$

Sequence: A159287
Score: 19.2901
Type of gen. func.: ogf

$$-\frac{x^2}{2 x^3 + x^2 - 1}$$

Sequence: A159287
Score: 29.1523
Type of gen. func.: lgdogf

$$-\frac{2 x (3 x + 1)}{2 x^3 + x^2 - 1}$$

Sequence: A159287
Score: 8.59670
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1) + 2 a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A159288
Score: 13.2023
Type of gen. func.: ogf

$$-\frac{x^2 + x + 1}{2 x^3 + x^2 - 1}$$

Sequence: A159288
Score: 14.7555
Type of gen. func.: lgdogf

$$-\frac{2x^4+4x^3+7x^2+4x+1}{(x^2+x+1)(2x^3+x^2-1)}$$

Sequence: A159288
Score: 7.75806
Type of gen. func.: ogf

$$-(3f(x)-2)(2f(x)x^3+f(x)x^2+x^2-f(x)+x+1)$$

Sequence: A159288
Score: 8.00566
Type of gen. func.: ogf

$$\{a(n+3)-a(n+1)-2a(n), a(0)=1, a(1)=1, a(2)=2\}$$

Sequence: A159289
Score: 13.8066
Type of gen. func.: ogf

$$-\frac{4x-5}{2x^2-5x+1}$$

Sequence: A159289
Score: 14.4984
Type of gen. func.: revogf

$$-\frac{-5-5x+(17x^2+34x+25)^{1/2}}{4(x+2)}$$

Sequence: A159289
Score: 16.0246
Type of gen. func.: lgdogf

$$-\frac{8x^2-20x+21}{(4x-5)(2x^2-5x+1)}$$

Sequence: A159289
Score: 6.82747
Type of gen. func.: ogf

$$-(85 f(x) + 16) (2 f(x) x^2 - 5 f(x) x + f(x) + 4 x - 5)$$

Sequence: A159289
Score: 7.48553
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 2 a(n), a(0) = 5, a(1) = 21\}$$

Sequence: A159290
Score: 13.3472
Type of gen. func.: ogf

$$-\frac{x - 3}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A159290
Score: 14.7589
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 19 x^2 + 6 x + 5}{(x - 1) (x - 3) (2 x - 1) (x + 1)}$$

Sequence: A159290
Score: 6.26019
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - a(n + 1) + 2 a(n), a(0) = 3, a(1) = 5, a(2) = 13\}$$

Sequence: A159290
Score: 6.37299
Type of gen. func.: ogf

$$-(182 f(x) + 587) (2 f(x) x^3 - f(x) x^2 - 2 f(x) x + f(x) + x - 3)$$

Sequence: A159294
Score: 3.87033
Type of gen. func.: ogf

$$-\frac{63 x^7 - 173 x^6 + 15 x^5 + 335 x^4 - 228 x^3 - 157 x^2 + 150 x + 1}{(x + 1)^2 (x - 1)^5}$$

Sequence: A159307
Score: 5.18660
Type of gen. func.: ogf

$$\{(-242 n - 484) a(n + 1) - a(n + 3) + 6 a(n + 2), a(0) = 1, a(1) = 6, a(2) = -206\}$$

Sequence: A159307
Score: 50.3440
Type of gen. func.: lgdegf]

$$-6 + 242 x + f(x)$$

Sequence: A159324
Score: 3.63921
Type of gen. func.: ogf

$$\{(-n^4 - 11 n^3 - 42 n^2 - 68 n - 40) a(n + 1) + (2 n^3 + 17 n^2 + 43 n + 32) a(n + 2) + (-n^2 - 5 n - 4) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A159326
Score: 5.16375
Type of gen. func.: ogf

$$\{(-242 n - 484) a(n + 1) - a(n + 3) + 8 a(n + 2), a(0) = 1, a(1) = 8, a(2) = -178\}$$

Sequence: A159326
Score: 50.1260
Type of gen. func.: lgdegf]

$$-8 + 242 x + f(x)$$

Sequence: A159327
Score: 47.1527
Type of gen. func.: lgdegf]

$$-10 + 242 x + f(x)$$

Sequence: A159327
Score: 5.14925
Type of gen. func.: ogf

$\{(-242 n - 484) a(n + 1) - a(n + 3) + 10 a(n + 2), a(0) = 1, a(1) = 10,$

$a(2) = -142\}$

Sequence: A159328
Score: 11.2611
Type of gen. func.: ogf

$$-\frac{2 (x^2 - x + 1)}{x^3 - 2 x^2 + 3 x - 1}$$

Sequence: A159328
Score: 12.9512
Type of gen. func.: lgdogf

$$-\frac{x^4 - 2 x^3 + 2 x^2 - 2 x + 2}{(x^2 - x + 1) (x^3 - 2 x^2 + 3 x - 1)}$$

Sequence: A159328

Score: 6.07902
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 2, a(1) = 4, a(2) = 10\}$$

Sequence: A159328
Score: 6.18854
Type of gen. func.: ogf

$$(7 f(x) - 4) (f(x) x^3 - 2 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x) - 2 x + 2)$$

Sequence: A159329
Score: 4.95334
Type of gen. func.: ogf

$$-(6315 f(x) + 18566)$$

$$(f(x) x^3 - x^4 - 2 f(x) x^2 + 2 x^3 + 3 f(x) x + x^2 - f(x) - 2 x + 2)$$

Sequence: A159329
Score: 8.59093
Type of gen. func.: lgdogf

$$\frac{x^6 - 4 x^5 + 14 x^4 - 20 x^3 + 13 x^2 - 6 x + 4}{(x^3 - 2 x^2 + 3 x - 1) (x^4 - 2 x^3 - x^2 + 2 x - 2)}$$

Sequence: A159329
Score: 8.87743
Type of gen. func.: ogf

$$\frac{x^4 - 2 x^3 - x^2 + 2 x - 2}{x^3 - 2 x^2 + 3 x - 1}$$

Sequence: A159330
Score: 6.63458
Type of gen. func.: lgdogf

$$\frac{3 x^8 - 12 x^7 + 27 x^6 - 30 x^5 + 5 x^4 + 16 x^3 - 13 x^2 + 6 x - 4}{(x^6 - 2 x^5 + 2 x^3 + x^2 - 2 x + 2) (x^3 - 2 x^2 + 3 x - 1)}$$

Sequence: A159330
Score: 8.04191
Type of gen. func.: ogf

$$- \frac{x^6 - 2 x^5 + 2 x^3 + x^2 - 2 x + 2}{x^3 - 2 x^2 + 3 x - 1}$$

Sequence: A159331
Score: 6.76794
Type of gen. func.: ogf

$$- \frac{x^8 - 2 x^7 + 2 x^6 - 2 x^5 + 2 x^3 + x^2 - 2 x + 2}{x^3 - 2 x^2 + 3 x - 1}$$

Sequence: A159333
Score: 3.25224
Type of gen. func.: ogf

$$\{n^2 a(n + 1) - n a(n + 2) + (-n^2 - 6 n - 8) a(n + 3) + (n + 4) a(n + 4),$$

$$a(0) = -1, a(1) = 1, a(2) = 1, a(3) = 1\}$$

Sequence: A159334
Score: 7.44547
Type of gen. func.: lgdogf

$$- \frac{x^8 + 5 x^6 - 14 x^5 + 25 x^4 - 28 x^3 + 21 x^2 - 6 x + 4}{(x^2 + 1) (x^3 - 2 x^2 + 3 x - 1) (x^4 + 3 x^2 - 2 x + 2)}$$

Sequence: A159334
Score: 8.04191

Type of gen. func.: ogf

$$-\frac{x^4 + 3x^2 - 2x + 2}{(x^2 + 1)(x^3 - 2x^2 + 3x - 1)}$$

Sequence: A159336
Score: 10.2036
Type of gen. func.: ogf

$$\frac{x^4 - 2x^3 + x - 1}{x^3 - 2x^2 + 3x - 1}$$

Sequence: A159336
Score: 5.10180
Type of gen. func.: ogf

{-a(n + 3) + 3 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 1, a(1) = 2, a(2) = 4,

a(3) = 11, a(4) = 26}

Sequence: A159336
Score: 5.50037
Type of gen. func.: ogf

$$-(802 f(x) + 1771) (f(x) x^3 - x^4 - 2 f(x) x^2 + 2 x^3 + 3 f(x) x - f(x) - x + 1)$$

Sequence: A159336
Score: 9.58949
Type of gen. func.: lgdogf

$$\frac{x^6 - 4x^5 + 13x^4 - 18x^3 + 11x^2 - 4x + 2}{(x^3 - 2x^2 + 3x - 1)(x^4 - 2x^3 + x - 1)}$$

Sequence: A159337
Score: 7.26783
Type of gen. func.: lgdogf

$$\frac{3 x^{8} - 12 x^{7} + 27 x^{6} - 30 x^{5} + 6 x^{4} + 14 x^{3} - 11 x^{2} + 4 x - 2}{(x^{3} - 2 x^{2} + 3 x - 1) (x^{6} - 2 x^{5} + 2 x^{3} - x + 1)}$$

Sequence: A159337
Score: 9.14348
Type of gen. func.: ogf

$$-\frac{x^{6} - 2 x^{5} + 2 x^{3} - x + 1}{x^{3} - 2 x^{2} + 3 x - 1}$$

Sequence: A159338
Score: 6.05652
Type of gen. func.: lgdogf

$$(5 x^{10} - 20 x^{9} + 41 x^{8} - 40 x^{7} + 2 x^{6} + 24 x^{5} - 6 x^{4} - 14 x^{3} + 11 x^{2} - 4 x + 2) \Big/ ((x^{3} - 2 x^{2} + 3 x - 1) (x^{8} - 2 x^{7} + 2 x^{5} - 2 x^{3} + x - 1))$$

Sequence: A159338
Score: 8.28292
Type of gen. func.: ogf

$$\frac{x^{8} - 2 x^{7} + 2 x^{5} - 2 x^{3} + x - 1}{x^{3} - 2 x^{2} + 3 x - 1}$$

Sequence: A159339
Score: 8.12287
Type of gen. func.: lgdogf

$$-\frac{2 x^{7} + x^{6} - 8 x^{5} + 18 x^{4} - 22 x^{3} + 15 x^{2} - 4 x + 2}{(x^{2} + 1) (x^{3} + x^{2} - x + 1) (x^{3} - 2 x^{2} + 3 x - 1)}$$

Sequence: A159339
Score: 8.28292
Type of gen. func.: ogf

$$-\frac{x^3 + x^2 - x + 1}{(x^2 + 1) (x^3 - 2 x^2 + 3 x - 1)}$$

Sequence: A159340
Score: 4.91543
Type of gen. func.: ogf

$\{-a(n + 5) + 3 a(n + 4) - 2 a(n + 3) + a(n + 2), a(0) = 2, a(1) = 3, a(2) = 6,$

$a(3) = 16, a(4) = 38\}$

Sequence: A159340
Score: 5.31595
Type of gen. func.: ogf

$-(152 f(x) + 603)$

$(f(x) x^3 - x^4 - 2 f(x) x^2 + 2 x^3 + 3 f(x) x + x^2 - f(x) - 3 x + 2)$

Sequence: A159340
Score: 9.32017
Type of gen. func.: ogf

$$\frac{(x - 2) (x^3 - x + 1)}{x^3 - 2 x^2 + 3 x - 1}$$

Sequence: A159340
Score: 9.77845
Type of gen. func.: lgdogf

$$\frac{x^6 - 4 x^5 + 14 x^4 - 22 x^3 + 15 x^2 - 6 x + 3}{(x - 2) (x^3 - x + 1) (x^3 - 2 x^2 + 3 x - 1)}$$

```
------------------------------------------------------------------------------

Sequence:  A159341
Score: 6.97078
Type of gen. func.: lgdogf


            8        7       6       5      4       3       2
         3 x  - 12 x  + 27 x  - 30 x  + 5 x  + 18 x  - 15 x  + 6 x - 3
         --------------------------------------------------------------
              6      5      3    2              3      2
            (x  - 2 x  + 2 x  + x  - 3 x + 2) (x  - 2 x  + 3 x - 1)



------------------------------------------------------------------------------

Sequence:  A159341
Score: 8.44298
Type of gen. func.: ogf


                          6      5      3    2
                         x  - 2 x  + 2 x  + x  - 3 x + 2
                       - -------------------------------
                                3      2
                               x  - 2 x  + 3 x - 1



------------------------------------------------------------------------------

Sequence:  A159342
Score: 5.50038
Type of gen. func.: lgdogf


    10       9       8       7       6       5      4       3       2
(5 x   - 20 x  + 47 x  - 64 x  + 56 x  - 36 x  + 5 x  + 18 x  - 15 x  + 6 x - 3

        /    3      2
    )  /  ((x  - 2 x  + 3 x - 1)
      /

      8      7      6      5      3    2
    (x  - 2 x  + 2 x  - 2 x  + 2 x  + x  - 3 x + 2))



------------------------------------------------------------------------------

Sequence:  A159342
Score: 7.10548
Type of gen. func.: ogf


                   8      7      6      5      3    2
                  x  - 2 x  + 2 x  - 2 x  + 2 x  + x  - 3 x + 2
                - ---------------------------------------------
                                3      2
                               x  - 2 x  + 3 x - 1



------------------------------------------------------------------------------

Sequence:  A159343
Score: 7.04048
Type of gen. func.: lgdogf
```

$$-\frac{x^8 - 2x^7 + 7x^6 - 18x^5 + 28x^4 - 30x^3 + 21x^2 - 6x + 3}{(x^2 + 1)(x^3 - 2x^2 + 3x - 1)(x^4 - x^3 + 3x^2 - 3x + 2)}$$

Sequence: A159343
Score: 7.71670
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 + 3x^2 - 3x + 2}{(x^2 + 1)(x^3 - 2x^2 + 3x - 1)}$$

Sequence: A159347
Score: 10.3517
Type of gen. func.: ogf

$$\frac{(x + 1)(x - 1)^3}{x^3 - 2x^2 + 3x - 1}$$

Sequence: A159347
Score: 13.2176
Type of gen. func.: lgdogf

$$\frac{x^4 - 2x^3 + 8x^2 - 2x + 1}{(x - 1)(x + 1)(x^3 - 2x^2 + 3x - 1)}$$

Sequence: A159347
Score: 4.92600
Type of gen. func.: ogf

{a(n + 5) - 3 a(n + 4) + 2 a(n + 3) - a(n + 2), a(0) = 1, a(1) = 1, a(2) = 1,

a(3) = 4, a(4) = 10}

Sequence: A159347
Score: 5.6688

Type of gen. func.: ogf

$$-(27 f(x) + 100) (f(x) x^3 - x^4 - 2 f(x) x^2 + 2 x^3 + 3 f(x) x - f(x) - 2 x + 1)$$

Sequence: A159348
Score: 8.54310
Type of gen. func.: lgdogf

$$\frac{3 x^7 - 9 x^6 + 18 x^5 - 12 x^4 - 6 x^3 + 10 x^2 - 3 x + 1}{(x - 1) (x^3 - 2 x^2 + 3 x - 1) (x^4 - x^2 + 1)}$$

Sequence: A159348
Score: 9.27623
Type of gen. func.: ogf

$$-\frac{(x^4 - x^2 + 1) (x - 1)^2}{x^3 - 2 x^2 + 3 x - 1}$$

Sequence: A159349
Score: 6.93598
Type of gen. func.: lgdogf

$$\frac{5 x^9 - 15 x^8 + 32 x^7 - 32 x^6 + 24 x^5 - 12 x^4 - 6 x^3 + 10 x^2 - 3 x + 1}{(x - 1) (x^3 - 2 x^2 + 3 x - 1) (x^6 + x^4 - x^2 + 1)}$$

Sequence: A159349
Score: 7.68032
Type of gen. func.: ogf

$$-\frac{(x^6 + x^4 - x^2 + 1) (x - 1)^2}{x^3 - 2 x^2 + 3 x - 1}$$

Sequence: A159350

Score: 10.4557
Type of gen. func.: lgdogf

$$-\frac{3x^5 - 9x^4 + 12x^3 - 12x^2 + 3x - 1}{(x - 1)(x^2 + 1)(x^3 - 2x^2 + 3x - 1)}$$

Sequence: A159350
Score: 9.27623
Type of gen. func.: ogf

$$-\frac{(x - 1)^2}{(x^2 + 1)(x^3 - 2x^2 + 3x - 1)}$$

Sequence: A159355
Score: 3.78078
Type of gen. func.: ogf

$$-\frac{x^8 - 9x^7 + 37x^6 - 88x^5 + 252x^4 + 591x^3 + 801x^2 + 90x + 5}{(x - 1)^9}$$

Sequence: A159356
Score: 3.30926
Type of gen. func.: ogf

$$-\frac{x^8 - 21x^7 - 499x^6 + 608x^5 + 22972x^4 + 36231x^3 + 12673x^2 + 686x + 9}{(x - 1)^9}$$

Sequence: A159357
Score: 3.21417
Type of gen. func.: ogf

$$-(17x^8 + 71x^7 - 2899x^6 - 11016x^5 + 220332x^4 + 345015x^3 + 91881x^2 + 3106x + 13) \Big/ (x - 1)^9$$

Sequence: A159358
Score: 4.58524
Type of gen. func.: ogf

$$- (60 x^9 - 395 x^8 + 1899 x^7 - 8731 x^6 - 75688 x^5 + 911268 x^4 + 1543903 x^3 + 388569 x^2 + 10674 x + 21) / (x - 1)^9$$

Sequence: A159449
Score: 46.9503
Type of gen. func.: lgdegf]

$$-12 + 242 x + f(x)$$

Sequence: A159449
Score: 5.14511
Type of gen. func.: ogf

{(-242 n - 484) a(n + 1) - a(n + 3) + 12 a(n + 2), a(0) = 1, a(1) = 12,

a(2) = -98}

Sequence: A159450
Score: 46.9503
Type of gen. func.: lgdegf]

$$-14 + 242 x + f(x)$$

Sequence: A159450
Score: 5.14511
Type of gen. func.: ogf

{(242 n + 484) a(n + 1) + a(n + 3) - 14 a(n + 2), a(0) = 1, a(1) = 14,

a(2) = -46}

Sequence: A159454
Score: 47.1527
Type of gen. func.: lgdegf]

$$-16 + 242 x + f(x)$$

Sequence: A159454
Score: 5.19044
Type of gen. func.: ogf

{(-242 n - 484) a(n + 1) - a(n + 3) + 16 a(n + 2), a(0) = 1, a(1) = 16,

a(2) = 14}

Sequence: A159460
Score: 46.3432
Type of gen. func.: lgdegf]

$$-18 + 242 x + f(x)$$

Sequence: A159460
Score: 5.12244
Type of gen. func.: ogf

{(242 n + 484) a(n + 1) + a(n + 3) - 18 a(n + 2), a(0) = 1, a(1) = 18,

a(2) = 82}

Sequence: A159466
Score: 7.82642
Type of gen. func.: ogf

$$-\frac{(x - 1) (113 x^4 + 240 x^3 + 385 x^2 + 240 x + 113)}{x^6 - 6 x^3 + 1}$$

Sequence: A159469
Score: 12.0762
Type of gen. func.: ogf

$$-\frac{2 (x + 3)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A159469
Score: 25.5504
Type of gen. func.: lgdogf

$$-\frac{4\,(x^2+4\,x+1)}{(x-1)\,(x+3)\,(x+1)}$$

Sequence: A159469
Score: 4.16630
Type of gen. func.: ogf

$$\{(-3\,n-12)\,a(n+4)+(1-n)\,a(n+3)+(22+3\,n)\,a(n+2)$$
$$+(n+5)\,a(n+1),\ a(0)=6,\ a(1)=8,\ a(2)=20,\ a(3)=24\}$$

Sequence: A159470
Score: 47.3551
Type of gen. func.: lgdegf]

$$-20+242\,x+f(x)$$

Sequence: A159470
Score: 5.19422
Type of gen. func.: ogf

$$\{(-242\,n-484)\,a(n+1)-a(n+3)+20\,a(n+2),\ a(0)=1,\ a(1)=20,$$
$$a(2)=158\}$$

Sequence: A159472
Score: 5.16476
Type of gen. func.: ogf

$$\{(-72\,n-144)\,a(n+1)-a(n+3)+a(n+2),\ a(0)=1,\ a(1)=1,\ a(2)=-71\}$$

Sequence: A159472
Score: 53.4718
Type of gen. func.: lgdegf]

$$-1+72\,x+f(x)$$

Sequence: A159476
Score: 14.2448
Type of gen. func.: lgdegf]

(-2 - n) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 1

Sequence: A159480
Score: 5.06999
Type of gen. func.: ogf

{(72 n + 144) a(n + 1) + a(n + 3) - 5 a(n + 2), a(0) = 1, a(1) = 5, a(2) = -47}

Sequence: A159480
Score: 52.7493
Type of gen. func.: lgdegf]

-5 + 72 x + f(x)

Sequence: A159485
Score: 5.16476
Type of gen. func.: ogf

{(72 n + 144) a(n + 1) + a(n + 3) - 7 a(n + 2), a(0) = 1, a(1) = 7, a(2) = -23}

Sequence: A159485
Score: 53.7127
Type of gen. func.: lgdegf]

-7 + 72 x + f(x)

Sequence: A159486
Score: 49.3586
Type of gen. func.: lgdegf]

-11 + 72 x + f(x)

Sequence: A159486
Score: 5.08146
Type of gen. func.: ogf

{(72 n + 144) a(n + 1) + a(n + 3) - 11 a(n + 2), a(0) = 1, a(1) = 11, a(2) = 49

    }

Sequence: A159488
Score: 5.41509
Type of gen. func.: ogf

{(-338 n - 676) a(n + 1) - a(n + 3) + 2 a(n + 2), a(0) = 1, a(1) = 2,

    a(2) = -334}

Sequence: A159488
Score: 52.5234
Type of gen. func.: lgdegf]

-2 + 338 x + f(x)

Sequence: A159492
Score: 5.46078
Type of gen. func.: ogf

{(-338 n - 676) a(n + 1) - a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 4,

    a(2) = -322}

Sequence: A159492
Score: 52.9592
Type of gen. func.: lgdegf]

-4 + 338 x + f(x)

Sequence: A159494
Score: 5.39224
Type of gen. func.: ogf

{(-338 n - 676) a(n + 1) - a(n + 3) + 6 a(n + 2), a(0) = 1, a(1) = 6,

    a(2) = -302}

Sequence: A159494
Score: 52.3054
Type of gen. func.: lgdegf]

$$-6 + 338 x + f(x)$$

Sequence: A159496
Score: 5.36939
Type of gen. func.: ogf

{(-338 n - 676) a(n + 1) - a(n + 3) + 8 a(n + 2), a(0) = 1, a(1) = 8,

a(2) = -274}

Sequence: A159496
Score: 52.0875
Type of gen. func.: lgdegf]

$$-8 + 338 x + f(x)$$

Sequence: A159497
Score: 48.9741
Type of gen. func.: lgdegf]

$$-10 + 338 x + f(x)$$

Sequence: A159497
Score: 5.32913
Type of gen. func.: ogf

{(-338 n - 676) a(n + 1) - a(n + 3) + 10 a(n + 2), a(0) = 1, a(1) = 10,

a(2) = -238}

Sequence: A159498
Score: 49.1764
Type of gen. func.: lgdegf]

$$-12 + 338 x + f(x)$$

Sequence: A159498
Score: 5.37410
Type of gen. func.: ogf

{(-338 n - 676) a(n + 1) - a(n + 3) + 12 a(n + 2), a(0) = 1, a(1) = 12,

a(2) = -194}

Sequence: A159500
Score: 49.3788
Type of gen. func.: lgdegf]

-14 + 338 x + f(x)

Sequence: A159500
Score: 5.37410
Type of gen. func.: ogf

{(338 n + 676) a(n + 1) + a(n + 3) - 14 a(n + 2), a(0) = 1, a(1) = 14,

a(2) = -142}

Sequence: A159501
Score: 49.3788
Type of gen. func.: lgdegf]

-16 + 338 x + f(x)

Sequence: A159501
Score: 5.41710
Type of gen. func.: ogf

{(-338 n - 676) a(n + 1) - a(n + 3) + 16 a(n + 2), a(0) = 1, a(1) = 16,

a(2) = -82}

Sequence: A159502
Score: 49.3788
Type of gen. func.: lgdegf]

-18 + 338 x + f(x)

Sequence: A159502
Score: 5.43976
Type of gen. func.: ogf

{(338 n + 676) a(n + 1) + a(n + 3) - 18 a(n + 2), a(0) = 1, a(1) = 18,

a(2) = -14}

Sequence: A159504
Score: 49.5812
Type of gen. func.: lgdegf]

-20 + 338 x + f(x)

Sequence: A159504
Score: 5.46243
Type of gen. func.: ogf

{(338 n + 676) a(n + 1) + a(n + 3) - 20 a(n + 2), a(0) = 1, a(1) = 20,

a(2) = 62}

Sequence: A159505
Score: 48.9741
Type of gen. func.: lgdegf]

-22 + 338 x + f(x)

Sequence: A159505
Score: 5.39659
Type of gen. func.: ogf

{(338 n + 676) a(n + 1) + a(n + 3) - 22 a(n + 2), a(0) = 1, a(1) = 22,

a(2) = 146}

Sequence: A159506
Score: 49.3788
Type of gen. func.: lgdegf]

-24 + 338 x + f(x)

```
--------------------------------------------------------------------------------

Sequence:  A159506
Score: 5.41908
Type of gen. func.: ogf


{(-338 n - 676) a(n + 1) - a(n + 3) + 24 a(n + 2), a(0) = 1, a(1) = 24,

    a(2) = 238}



--------------------------------------------------------------------------------

Sequence:  A159507
Score: 5.33060
Type of gen. func.: ogf


 {(-98 n - 196) a(n + 1) - a(n + 3) + a(n + 2), a(0) = 1, a(1) = 1, a(2) = -97}



--------------------------------------------------------------------------------

Sequence:  A159507
Score: 55.1579
Type of gen. func.: lgdegf]


                                -1 + 98 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A159508
Score: 5.35430
Type of gen. func.: ogf


{(98 n + 196) a(n + 1) + a(n + 3) - 3 a(n + 2), a(0) = 1, a(1) = 3, a(2) = -89}



--------------------------------------------------------------------------------

Sequence:  A159508
Score: 55.3988
Type of gen. func.: lgdegf]


                                -3 + 98 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A159509
Score: 5.33060
Type of gen. func.: ogf


{(-98 n - 196) a(n + 1) - a(n + 3) + 5 a(n + 2), a(0) = 1, a(1) = 5, a(2) = -73

    }
```

Sequence: A159509
Score: 55.1579
Type of gen. func.: lgdegf]

$$-5 + 98 x + f(x)$$

Sequence: A159510
Score: 4.76072
Type of gen. func.: ogf

{(98 n + 196) a(n + 1) + a(n + 3) - 9 a(n + 2), a(0) = 1, a(1) = 9, a(2) = -17}

Sequence: A159510
Score: 49.5812
Type of gen. func.: lgdegf]

$$-9 + 98 x + f(x)$$

Sequence: A159511
Score: 4.66109
Type of gen. func.: ogf

{(98 n + 196) a(n + 1) + a(n + 3) - 11 a(n + 2), a(0) = 1, a(1) = 11, a(2) = 23

}

Sequence: A159511
Score: 45.3314
Type of gen. func.: lgdegf]

$$-11 + 98 x + f(x)$$

Sequence: A159512
Score: 4.66109
Type of gen. func.: ogf

{(98 n + 196) a(n + 1) + a(n + 3) - 13 a(n + 2), a(0) = 1, a(1) = 13, a(2) = 71

}

Sequence: A159512
Score: 45.1134
Type of gen. func.: lgdegf]

$$-13 + 98 x + f(x)$$

Sequence: A159513
Score: 100.781
Type of gen. func.: lgdegf]

$$2 - 450 x$$

Sequence: A159513
Score: 5.59787
Type of gen. func.: ogf

{(-450 n - 900) a(n + 1) - a(n + 3) + 2 a(n + 2), a(0) = 1, a(1) = 2,

a(2) = -446}

Sequence: A159514
Score: 101.591
Type of gen. func.: lgdegf]

$$4 - 450 x$$

Sequence: A159514
Score: 5.64357
Type of gen. func.: ogf

{(-450 n - 900) a(n + 1) - a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 4,

a(2) = -434}

Sequence: A159515
Score: 100.781
Type of gen. func.: lgdegf]

$$8 - 450 x$$

Sequence: A159515
Score: 5.59787
Type of gen. func.: ogf

{(-450 n - 900) a(n + 1) - a(n + 3) + 8 a(n + 2), a(0) = 1, a(1) = 8,

a(2) = -386}

Sequence: A159516
Score: 4.84103
Type of gen. func.: ogf

{(450 n + 900) a(n + 1) + a(n + 3) - 14 a(n + 2), a(0) = 1, a(1) = 14,

a(2) = -254}

Sequence: A159516
Score: 44.1634
Type of gen. func.: lgdegf]

-14 + 450 x + f(x)

Sequence: A159517
Score: 4.77502
Type of gen. func.: ogf

{(-450 n - 900) a(n + 1) - a(n + 3) + 16 a(n + 2), a(0) = 1, a(1) = 16,

a(2) = -194}

Sequence: A159517
Score: 43.7673
Type of gen. func.: lgdegf]

-16 + 450 x + f(x)

Sequence: A159518
Score: 4.83540
Type of gen. func.: ogf

{(450 n + 900) a(n + 1) + a(n + 3) - 22 a(n + 2), a(0) = 1, a(1) = 22,

a(2) = 34}

Sequence: A159518
Score: 43.7673
Type of gen. func.: lgdegf]

$$-22 + 450 x + f(x)$$

Sequence: A159519
Score: 4.84103
Type of gen. func.: ogf

{(450 n + 900) a(n + 1) + a(n + 3) - 26 a(n + 2), a(0) = 1, a(1) = 26,

a(2) = 226}

Sequence: A159519
Score: 43.9654
Type of gen. func.: lgdegf]

$$-26 + 450 x + f(x)$$

Sequence: A159520
Score: 4.84103
Type of gen. func.: ogf

{(450 n + 900) a(n + 1) + a(n + 3) - 28 a(n + 2), a(0) = 1, a(1) = 28,

a(2) = 334}

Sequence: A159520
Score: 44.1634
Type of gen. func.: lgdegf]

$$-28 + 450 x + f(x)$$

Sequence: A159521
Score: 4.77533
Type of gen. func.: ogf

{(-128 n - 256) a(n + 1) - a(n + 3) + a(n + 2), a(0) = 1, a(1) = 1, a(2) = -127

}

```
--------------------------------------------------------------------------------

Sequence:  A159521
Score: 46.4211
Type of gen. func.: lgdegf]


                                -1 + 128 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A159522
Score: 4.79818
Type of gen. func.: ogf


{(-128 n - 256) a(n + 1) - a(n + 3) + 3 a(n + 2), a(0) = 1, a(1) = 3,

    a(2) = -119}



--------------------------------------------------------------------------------

Sequence:  A159522
Score: 46.6390
Type of gen. func.: lgdegf]


                                -3 + 128 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A159523
Score: 4.72963
Type of gen. func.: ogf


{(-128 n - 256) a(n + 1) - a(n + 3) + 5 a(n + 2), a(0) = 1, a(1) = 5,

    a(2) = -103}



--------------------------------------------------------------------------------

Sequence:  A159523
Score: 45.9852
Type of gen. func.: lgdegf]


                                -5 + 128 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A159524
Score: 5.52225
Type of gen. func.: ogf


{(128 n + 256) a(n + 1) + a(n + 3) - 7 a(n + 2), a(0) = 1, a(1) = 7, a(2) = -79
```

```
    }


--------------------------------------------------------------------------------

Sequence:  A159524
Score: 53.1383
Type of gen. func.: lgdegf]

                               -7 + 128 x + f(x)


--------------------------------------------------------------------------------

Sequence:  A159525
Score: 4.76808
Type of gen. func.: ogf

{(128 n + 256) a(n + 1) + a(n + 3) - 9 a(n + 2), a(0) = 1, a(1) = 9, a(2) = -47

    }


--------------------------------------------------------------------------------

Sequence:  A159525
Score: 46.2031
Type of gen. func.: lgdegf]

                               -9 + 128 x + f(x)


--------------------------------------------------------------------------------

Sequence:  A159526
Score: 4.79818
Type of gen. func.: ogf

{(128 n + 256) a(n + 1) + a(n + 3) - 11 a(n + 2), a(0) = 1, a(1) = 11,

    a(2) = -7}


--------------------------------------------------------------------------------

Sequence:  A159526
Score: 43.3076
Type of gen. func.: lgdegf]

                               -11 + 128 x + f(x)


--------------------------------------------------------------------------------

Sequence:  A159527
Score: 4.75979
Type of gen. func.: ogf

{(128 n + 256) a(n + 1) + a(n + 3) - 13 a(n + 2), a(0) = 1, a(1) = 13,
```

    a(2) = 41}

Sequence: A159527
Score: 43.3076
Type of gen. func.: lgdegf]

-13 + 128 x + f(x)

Sequence: A159528
Score: 4.80513
Type of gen. func.: ogf

{(128 n + 256) a(n + 1) + a(n + 3) - 15 a(n + 2), a(0) = 1, a(1) = 15,

    a(2) = 97}

Sequence: A159528
Score: 43.5100
Type of gen. func.: lgdegf]

-15 + 128 x + f(x)

Sequence: A159529
Score: 103.210
Type of gen. func.: lgdegf]

2 - 578 x

Sequence: A159529
Score: 5.68909
Type of gen. func.: ogf

{(-578 n - 1156) a(n + 1) - a(n + 3) + 2 a(n + 2), a(0) = 1, a(1) = 2,

    a(2) = -574}

Sequence: A159530
Score: 4.96848
Type of gen. func.: ogf

{(-578 n - 1156) a(n + 1) - a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 4,

a(2) = -562}

Sequence: A159530
Score: 48.6270
Type of gen. func.: lgdegf]

-4 + 578 x + f(x)

Sequence: A159531
Score: 4.99066
Type of gen. func.: ogf

{(-578 n - 1156) a(n + 1) - a(n + 3) + 6 a(n + 2), a(0) = 1, a(1) = 6,

a(2) = -542}

Sequence: A159531
Score: 48.8402
Type of gen. func.: lgdegf]

-6 + 578 x + f(x)

Sequence: A159532
Score: 4.96848
Type of gen. func.: ogf

{(-578 n - 1156) a(n + 1) - a(n + 3) + 8 a(n + 2), a(0) = 1, a(1) = 8,

a(2) = -514}

Sequence: A159532
Score: 48.6270
Type of gen. func.: lgdegf]

-8 + 578 x + f(x)

Sequence: A159533
Score: 4.86841
Type of gen. func.: ogf

{(578 n + 1156) a(n + 1) + a(n + 3) - 10 a(n + 2), a(0) = 1, a(1) = 10,

a(2) = -478}

Sequence: A159533
Score: 44.7575
Type of gen. func.: lgdegf]

-10 + 578 x + f(x)

Sequence: A159534
Score: 4.86841
Type of gen. func.: ogf

{(-578 n - 1156) a(n + 1) - a(n + 3) + 12 a(n + 2), a(0) = 1, a(1) = 12,

a(2) = -434}

Sequence: A159534
Score: 44.7575
Type of gen. func.: lgdegf]

-12 + 578 x + f(x)

Sequence: A159535
Score: 4.91207
Type of gen. func.: ogf

{(-578 n - 1156) a(n + 1) - a(n + 3) + 14 a(n + 2), a(0) = 1, a(1) = 14,

a(2) = -382}

Sequence: A159535
Score: 45.3517
Type of gen. func.: lgdegf]

-14 + 578 x + f(x)

Sequence: A159536
Score: 4.91207
Type of gen. func.: ogf

```
{(-578 n - 1156) a(n + 1) - a(n + 3) + 16 a(n + 2), a(0) = 1, a(1) = 16,

    a(2) = -322}


-------------------------------------------------------------------------------

Sequence:  A159536
Score: 45.1536
Type of gen. func.: lgdegf]

                               -16 + 578 x + f(x)


-------------------------------------------------------------------------------

Sequence:  A159537
Score: 4.89024
Type of gen. func.: ogf


{(578 n + 1156) a(n + 1) + a(n + 3) - 18 a(n + 2), a(0) = 1, a(1) = 18,

    a(2) = -254}


-------------------------------------------------------------------------------

Sequence:  A159537
Score: 45.1536
Type of gen. func.: lgdegf]

                               -18 + 578 x + f(x)


-------------------------------------------------------------------------------

Sequence:  A159538
Score: 4.91207
Type of gen. func.: ogf


{(-578 n - 1156) a(n + 1) - a(n + 3) + 20 a(n + 2), a(0) = 1, a(1) = 20,

    a(2) = -178}


-------------------------------------------------------------------------------

Sequence:  A159538
Score: 45.1536
Type of gen. func.: lgdegf]

                               -20 + 578 x + f(x)


-------------------------------------------------------------------------------

Sequence:  A159539
Score: 4.92905
```

Type of gen. func.: ogf

{(578 n + 1156) a(n + 1) + a(n + 3) - 22 a(n + 2), a(0) = 1, a(1) = 22,

a(2) = -94}

Sequence: A159539
Score: 45.1536
Type of gen. func.: lgdegf]

-22 + 578 x + f(x)

Sequence: A159540
Score: 4.94630
Type of gen. func.: ogf

{(578 n + 1156) a(n + 1) + a(n + 3) - 24 a(n + 2), a(0) = 1, a(1) = 24,

a(2) = -2}

Sequence: A159540
Score: 44.7575
Type of gen. func.: lgdegf]

-24 + 578 x + f(x)

Sequence: A159541
Score: 4.95106
Type of gen. func.: ogf

{(578 n + 1156) a(n + 1) + a(n + 3) - 26 a(n + 2), a(0) = 1, a(1) = 26,

a(2) = 98}

Sequence: A159541
Score: 45.1536
Type of gen. func.: lgdegf]

-26 + 578 x + f(x)

Sequence: A159542

```
Score: 4.93390
Type of gen. func.: ogf


{(578 n + 1156) a(n + 1) + a(n + 3) - 28 a(n + 2), a(0) = 1, a(1) = 28,

    a(2) = 206}



------------------------------------------------------------------------------

Sequence:  A159542
Score: 45.1536
Type of gen. func.: lgdegf]


                               -28 + 578 x + f(x)



------------------------------------------------------------------------------

Sequence:  A159543
Score: 4.91207
Type of gen. func.: ogf


{(578 n + 1156) a(n + 1) + a(n + 3) - 30 a(n + 2), a(0) = 1, a(1) = 30,

    a(2) = 322}



------------------------------------------------------------------------------

Sequence:  A159543
Score: 45.1536
Type of gen. func.: lgdegf]


                               -30 + 578 x + f(x)



------------------------------------------------------------------------------

Sequence:  A159544
Score: 4.95573
Type of gen. func.: ogf


{(578 n + 1156) a(n + 1) + a(n + 3) - 32 a(n + 2), a(0) = 1, a(1) = 32,

    a(2) = 446}



------------------------------------------------------------------------------

Sequence:  A159544
Score: 45.5497
Type of gen. func.: lgdegf]


                               -32 + 578 x + f(x)



------------------------------------------------------------------------------
```

Sequence: A159545
Score: 4.88957
Type of gen. func.: ogf

$\{(162 n + 324) a(n + 1) + a(n + 3) - a(n + 2), a(0) = 1, a(1) = 1, a(2) = -161\}$

Sequence: A159545
Score: 47.5108
Type of gen. func.: lgdegf]

$$-1 + 162 x + f(x)$$

Sequence: A159546
Score: 4.91242
Type of gen. func.: ogf

$\{(162 n + 324) a(n + 1) + a(n + 3) - 5 a(n + 2), a(0) = 1, a(1) = 5, a(2) = -137\}$

Sequence: A159546
Score: 47.9466
Type of gen. func.: lgdegf]

$$-5 + 162 x + f(x)$$

Sequence: A159548
Score: 7.53116
Type of gen. func.: ogf

$$-\frac{(x - 1) (181 x^4 + 380 x^3 + 601 x^2 + 380 x + 181)}{x^6 - 6 x^3 + 1}$$

Sequence: A159551
Score: 17.0691
Type of gen. func.: ogf

$$\frac{91 x + 10}{(x - 1)^2}$$

Sequence: A159551
Score: 24.5972
Type of gen. func.: revogf

$$-\frac{-5 - x + (25 + 101 x)^{1/2}}{-91 + x}$$

Sequence: A159551
Score: 29.1523
Type of gen. func.: lgdogf

$$-\frac{111 + 91 x}{(91 x + 10) (x - 1)}$$

Sequence: A159551
Score: 8.62632
Type of gen. func.: ogf

$$(202 f(x) + 10301) (f(x) x^2 - 2 f(x) x + f(x) - 91 x - 10)$$

Sequence: A159551
Score: 9.43821
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 10, a(1) = 111\}$$

Sequence: A159552
Score: 4.93527
Type of gen. func.: ogf

$$\{(162 n + 324) a(n + 1) + a(n + 3) - 7 a(n + 2), a(0) = 1, a(1) = 7, a(2) = -113\}$$

Sequence: A159552
Score: 48.1646
Type of gen. func.: lgdegf]

```
                                -7 + 162 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A159561
Score: 4.94112
Type of gen. func.: ogf


{(162 n + 324) a(n + 1) + a(n + 3) - 11 a(n + 2), a(0) = 1, a(1) = 11,

    a(2) = -41}



--------------------------------------------------------------------------------

Sequence:  A159561
Score: 45.1290
Type of gen. func.: lgdegf]


                                -11 + 162 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A159562
Score: 4.91242
Type of gen. func.: ogf


{(162 n + 324) a(n + 1) + a(n + 3) - 13 a(n + 2), a(0) = 1, a(1) = 13, a(2) = 7

    }



--------------------------------------------------------------------------------

Sequence:  A159562
Score: 44.1171
Type of gen. func.: lgdegf]


                                -13 + 162 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A159563
Score: 4.90190
Type of gen. func.: ogf


{(162 n + 324) a(n + 1) + a(n + 3) - 17 a(n + 2), a(0) = 1, a(1) = 17,

    a(2) = 127}



--------------------------------------------------------------------------------

Sequence:  A159563
Score: 44.7242
Type of gen. func.: lgdegf]
```

$$-17 + 162 x + f(x)$$

Sequence: A159564
Score: 49.4801
Type of gen. func.: lgdegf]

$$-2 + 722 x + f(x)$$

Sequence: A159564
Score: 5.05721
Type of gen. func.: ogf

{(-722 n - 1444) a(n + 1) - a(n + 3) + 2 a(n + 2), a(0) = 1, a(1) = 2,

a(2) = -718}

Sequence: A159565
Score: 7.63978
Type of gen. func.: ogf

$$-\frac{(x - 1) (221 x^4 + 462 x^3 + 727 x^2 + 462 x + 221)}{x^6 - 6 x^3 + 1}$$

Sequence: A159574
Score: 7.30934
Type of gen. func.: ogf

$$-\frac{(x - 1) (313 x^4 + 650 x^3 + 1015 x^2 + 650 x + 313)}{x^6 - 6 x^3 + 1}$$

Sequence: A159582
Score: 11.5641
Type of gen. func.: ogf

$$-\frac{2 x^3 - x^2 - 6 x - 1}{\quad^2 \qquad\qquad ^2}$$

$$(x + 2 x - 1) (x - 2 x - 1)$$

Sequence: A159582
Score: 7.09118
Type of gen. func.: ogf

$$(1352 f(x) + 529) (f(x) x^4 - 6 f(x) x^2 + 2 x^3 - x^2 + f(x) - 6 x - 1)$$

Sequence: A159582
Score: 8.69531
Type of gen. func.: lgdogf

$$- \frac{2 (x^6 - x^5 - 3 x^4 - 2 x^3 + 15 x^2 + 7 x + 3)}{(x^2 + 2 x - 1) (x^2 - 2 x - 1) (2 x^3 - x^2 - 6 x - 1)}$$

Sequence: A159584
Score: 5.30011
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-5 x^{11} - 3 x^9 - 2 x^8 - 3 x^7 - 3 x^5 - 3 x^3 - 2 x^2 - 3 x}{x^{12} - 1}$$

Sequence: A159589
Score: 7.38100
Type of gen. func.: ogf

$$- \frac{(x - 1) (421 x^4 + 870 x^3 + 1351 x^2 + 870 x + 421)}{x^6 - 6 x^3 + 1}$$

Sequence: A159605
Score: 5.49355
Type of gen. func.: ogf

$$\{(8 n^2 + 26 n + 21) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A159612
Score: 10.1763
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - 4 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A159612
Score: 18.5436
Type of gen. func.: ogf

$$-\frac{3 x + 1}{4 x^{2} + x - 1}$$

Sequence: A159612
Score: 20.5181
Type of gen. func.: revogf

$$\frac{-1 - x + (17 x^{2} + 14 x + 1)^{1/2}}{2 (3 + 4 x)}$$

Sequence: A159612
Score: 22.7979
Type of gen. func.: lgdogf

$$-\frac{4 (3 x^{2} + 2 x + 1)}{(3 x + 1) (4 x^{2} + x - 1)}$$

Sequence: A159612
Score: 9.37594
Type of gen. func.: ogf

$$-(f(x) + 1) (4 f(x) x^{2} + f(x) x - f(x) + 3 x + 1)$$

Sequence: A159616

Score: 11.5477
Type of gen. func.: ogf

$$-\frac{x - 1}{8 x^{3} - 2 x^{2} - 5 x + 1}$$

Sequence: A159616
Score: 12.2380
Type of gen. func.: lgdogf

$$-\frac{2 (8 x^{3} - 13 x^{2} + 2 x + 2)}{(x - 1) (8 x^{3} - 2 x^{2} - 5 x + 1)}$$

Sequence: A159616
Score: 5.41616
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) - 2 a(n + 1) + 8 a(n), a(0) = 1, a(1) = 4, a(2) = 22\}$$

Sequence: A159616
Score: 5.71987
Type of gen. func.: ogf

$$(533 f(x) + 116) (8 f(x) x^{3} - 2 f(x) x^{2} - 5 f(x) x + f(x) + x - 1)$$

Sequence: A159617
Score: 11.9264
Type of gen. func.: ogf

$$-\frac{x - 1}{8 x^{3} - 8 x^{2} - 8 x + 1}$$

Sequence: A159617
Score: 12.6554
Type of gen. func.: lgdogf

3 2

$$-\frac{16 x - 32 x + 16 x + 7}{(x - 1) (8 x^3 - 8 x^2 - 8 x + 1)}$$

Sequence: A159617
Score: 5.59380
Type of gen. func.: ogf

{-a(n + 3) + 8 a(n + 2) + 8 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 7, a(2) = 64}

Sequence: A159617
Score: 5.69459
Type of gen. func.: ogf

$$-(8575 f(x) - 83) (8 f(x) x^3 - 8 f(x) x^2 - 8 f(x) x + f(x) + x - 1)$$

Sequence: A159618
Score: 49.6933
Type of gen. func.: lgdegf]

$$-4 + 722 x + f(x)$$

Sequence: A159618
Score: 5.07938
Type of gen. func.: ogf

{(-722 n - 1444) a(n + 1) - a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 4,

a(2) = -706}

Sequence: A159620
Score: 5.16810
Type of gen. func.: ogf

{(722 n + 1444) a(n + 1) + a(n + 3) - 6 a(n + 2), a(0) = 1, a(1) = 6,

a(2) = -686}

Sequence: A159620
Score: 50.5464

Type of gen. func.: lgdegf]

$$-6 + 722 x + f(x)$$

Sequence: A159621
Score: 5.14593
Type of gen. func.: ogf

$\{(-722 n - 1444) a(n + 1) - a(n + 3) + 8 a(n + 2), a(0) = 1, a(1) = 8, a(2) = -658\}$

Sequence: A159621
Score: 50.3332
Type of gen. func.: lgdegf]

$$-8 + 722 x + f(x)$$

Sequence: A159622
Score: 46.7379
Type of gen. func.: lgdegf]

$$-10 + 722 x + f(x)$$

Sequence: A159622
Score: 5.06489
Type of gen. func.: ogf

$\{(-722 n - 1444) a(n + 1) - a(n + 3) + 10 a(n + 2), a(0) = 1, a(1) = 10, a(2) = -622\}$

Sequence: A159626
Score: 7.52432
Type of gen. func.: ogf

$$-\frac{(x - 1) (545 x^4 + 1122 x^3 + 1735 x^2 + 1122 x + 545)}{x^6 - 6 x^3 + 1}$$

Sequence: A159641
Score: 7.12327
Type of gen. func.: ogf

$$-\frac{(x-1)(613x^4+1260x^3+1945x^2+1260x+613)}{x^6-6x^3+1}$$

Sequence: A159644
Score: 4.99939
Type of gen. func.: ogf

{(-722 n - 1444) a(n + 1) - a(n + 3) + 12 a(n + 2), a(0) = 1, a(1) = 12,

a(2) = -578}

Sequence: A159644
Score: 46.1438
Type of gen. func.: lgdegf]

$$-12 + 722 x + f(x)$$

Sequence: A159645
Score: 46.1438
Type of gen. func.: lgdegf]

$$-14 + 722 x + f(x)$$

Sequence: A159645
Score: 5.02123
Type of gen. func.: ogf

{(-722 n - 1444) a(n + 1) - a(n + 3) + 14 a(n + 2), a(0) = 1, a(1) = 14,

a(2) = -526}

Sequence: A159646
Score: 4.99939
Type of gen. func.: ogf

{(-722 n - 1444) a(n + 1) - a(n + 3) + 16 a(n + 2), a(0) = 1, a(1) = 16,

```
    a(2) = -466}



-------------------------------------------------------------------------------

Sequence:  A159646
Score: 46.1438
Type of gen. func.: lgdegf]


                               -16 + 722 x + f(x)



-------------------------------------------------------------------------------

Sequence:  A159647
Score: 46.5399
Type of gen. func.: lgdegf]


                               -18 + 722 x + f(x)



-------------------------------------------------------------------------------

Sequence:  A159647
Score: 5.06489
Type of gen. func.: ogf


{(722 n + 1444) a(n + 1) + a(n + 3) - 18 a(n + 2), a(0) = 1, a(1) = 18,

    a(2) = -398}



-------------------------------------------------------------------------------

Sequence:  A159648
Score: 46.5399
Type of gen. func.: lgdegf]


                               -20 + 722 x + f(x)



-------------------------------------------------------------------------------

Sequence:  A159648
Score: 5.04306
Type of gen. func.: ogf


{(722 n + 1444) a(n + 1) + a(n + 3) - 20 a(n + 2), a(0) = 1, a(1) = 20,

    a(2) = -322}



-------------------------------------------------------------------------------

Sequence:  A159649
Score: 46.5399
Type of gen. func.: lgdegf]


                               -22 + 722 x + f(x)
```

Sequence: A159649
Score: 5.06489
Type of gen. func.: ogf

{(722 n + 1444) a(n + 1) + a(n + 3) - 22 a(n + 2), a(0) = 1, a(1) = 22,

    a(2) = -238}

Sequence: A159650
Score: 46.5399
Type of gen. func.: lgdegf]

-24 + 722 x + f(x)

Sequence: A159650
Score: 5.04306
Type of gen. func.: ogf

{(722 n + 1444) a(n + 1) + a(n + 3) - 24 a(n + 2), a(0) = 1, a(1) = 24,

    a(2) = -146}

Sequence: A159651
Score: 46.1438
Type of gen. func.: lgdegf]

-26 + 722 x + f(x)

Sequence: A159651
Score: 5.06108
Type of gen. func.: ogf

{(722 n + 1444) a(n + 1) + a(n + 3) - 26 a(n + 2), a(0) = 1, a(1) = 26,

    a(2) = -46}

Sequence: A159652
Score: 46.5399
Type of gen. func.: lgdegf]

-28 + 722 x + f(x)

Sequence: A159652
Score: 5.10509
Type of gen. func.: ogf

{(722 n + 1444) a(n + 1) + a(n + 3) - 28 a(n + 2), a(0) = 1, a(1) = 28,

a(2) = 62}

Sequence: A159653
Score: 46.5399
Type of gen. func.: lgdegf]

-30 + 722 x + f(x)

Sequence: A159653
Score: 5.06489
Type of gen. func.: ogf

{(722 n + 1444) a(n + 1) + a(n + 3) - 30 a(n + 2), a(0) = 1, a(1) = 30,

a(2) = 178}

Sequence: A159654
Score: 46.5399
Type of gen. func.: lgdegf]

-32 + 722 x + f(x)

Sequence: A159654
Score: 5.08672
Type of gen. func.: ogf

{(722 n + 1444) a(n + 1) + a(n + 3) - 32 a(n + 2), a(0) = 1, a(1) = 32,

a(2) = 302}

Sequence: A159655
Score: 46.7379
Type of gen. func.: lgdegf]

```
                                 -34 + 722 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A159655
Score: 5.08672
Type of gen. func.: ogf


{(722 n + 1444) a(n + 1) + a(n + 3) - 34 a(n + 2), a(0) = 1, a(1) = 34,

    a(2) = 434}



--------------------------------------------------------------------------------

Sequence:  A159656
Score: 46.1438
Type of gen. func.: lgdegf]


                                 -36 + 722 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A159656
Score: 5.02123
Type of gen. func.: ogf


{(722 n + 1444) a(n + 1) + a(n + 3) - 36 a(n + 2), a(0) = 1, a(1) = 36,

    a(2) = 574}



--------------------------------------------------------------------------------

Sequence:  A159657
Score: 49.0363
Type of gen. func.: lgdegf]


                                 -1 + 200 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A159657
Score: 5.04951
Type of gen. func.: ogf


{(-200 n - 400) a(n + 1) - a(n + 3) + a(n + 2), a(0) = 1, a(1) = 1, a(2) = -199

    }



--------------------------------------------------------------------------------

Sequence:  A159658
Score: 49.9081
Type of gen. func.: lgdegf]
```

```
                                  -3 + 200 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A159658
Score: 5.14090
Type of gen. func.: ogf


{(-200 n - 400) a(n + 1) - a(n + 3) + 3 a(n + 2), a(0) = 1, a(1) = 3,

    a(2) = -191}



--------------------------------------------------------------------------------

Sequence:  A159659
Score: 49.0363
Type of gen. func.: lgdegf]


                                  -7 + 200 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A159659
Score: 5.04951
Type of gen. func.: ogf


{(200 n + 400) a(n + 1) + a(n + 3) - 7 a(n + 2), a(0) = 1, a(1) = 7,

    a(2) = -151}



--------------------------------------------------------------------------------

Sequence:  A159660
Score: 49.2543
Type of gen. func.: lgdegf]


                                  -9 + 200 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A159660
Score: 5.07236
Type of gen. func.: ogf


{(200 n + 400) a(n + 1) + a(n + 3) - 9 a(n + 2), a(0) = 1, a(1) = 9,

    a(2) = -119}



--------------------------------------------------------------------------------

Sequence:  A159661
Score: 15.2059
```

Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - 24 x + 1}$$

Sequence: A159661
Score: 7.85921
Type of gen. func.: ogf

$$(598 f(x) + 27) (f(x) x^2 - 24 f(x) x + f(x) - x - 1)$$

Sequence: A159661
Score: 8.32702
Type of gen. func.: ogf

$$\{-a(n + 2) + 24 a(n + 1) - a(n), a(0) = 1, a(1) = 25\}$$

Sequence: A159663
Score: 45.9385
Type of gen. func.: lgdegf]

$$-11 + 200 x + f(x)$$

Sequence: A159663
Score: 5.03178
Type of gen. func.: ogf

$$\{(200 n + 400) a(n + 1) + a(n + 3) - 11 a(n + 2), a(0) = 1, a(1) = 11,$$
$$a(2) = -79\}$$

Sequence: A159664
Score: 15.2059
Type of gen. func.: ogf

$$-\frac{x - 1}{x^2 - 24 x + 1}$$

Sequence: A159664
Score: 15.9979
Type of gen. func.: revogf

$$-\frac{-1 - 24 x + (572 x^2 + 44 x + 1)^{1/2}}{2 (x + 1)}$$

Sequence: A159664
Score: 20.8457
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x + 23}{(x - 1) (x^2 - 24 x + 1)}$$

Sequence: A159664
Score: 7.52118
Type of gen. func.: ogf

$$-(550 f(x) - 21) (f(x) x^2 - 24 f(x) x + f(x) + x - 1)$$

Sequence: A159664
Score: 8.32702
Type of gen. func.: ogf

$$\{a(n + 2) - 24 a(n + 1) + a(n), a(0) = 1, a(1) = 23\}$$

Sequence: A159665
Score: 11.4910
Type of gen. func.: ogf

$$-\frac{48 x}{(x - 1) (x^2 - 574 x + 1)}$$

Sequence: A159665
Score: 4.78791
Type of gen. func.: ogf

{a(n + 3) - 575 a(n + 2) + 575 a(n + 1) - a(n), a(0) = 0, a(1) = 48,

a(2) = 27600}

Sequence: A159665
Score: 7.00669
Type of gen. func.: ogf

$$f(x) x^3 - 575 f(x) x^2 + 575 f(x) x - f(x) + 48 x$$

Sequence: A159668
Score: 13.9197
Type of gen. func.: ogf

$$-\frac{x - 1}{x^2 - 28 x + 1}$$

Sequence: A159668
Score: 14.6273
Type of gen. func.: revogf

$$-\frac{-1 - 28 x + (780 x^2 + 52 x + 1)^{1/2}}{2 (x + 1)}$$

Sequence: A159668
Score: 19.0598
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x + 27}{(x - 1) (x^2 - 28 x + 1)}$$

Sequence: A159668
Score: 6.88501
Type of gen. func.: ogf

2

$$-(754 f(x) - 25) (f(x) x - 28 f(x) x + f(x) + x - 1)$$

Sequence: A159668
Score: 7.62268
Type of gen. func.: ogf

$$\{a(n + 2) - 28 a(n + 1) + a(n), a(0) = 1, a(1) = 27\}$$

Sequence: A159669
Score: 13.9197
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - 28 x + 1}$$

Sequence: A159669
Score: 14.6273
Type of gen. func.: revogf

$$-\frac{-1 - 28 x + (780 x^2 + 60 x + 1)^{1/2}}{2 (x - 1)}$$

Sequence: A159669
Score: 19.0598
Type of gen. func.: lgdogf

$$-\frac{x^2 + 2 x - 29}{(x + 1) (x^2 - 28 x + 1)}$$

Sequence: A159669
Score: 7.19445
Type of gen. func.: ogf

$$(810 f(x) + 31) (f(x) x^2 - 28 f(x) x + f(x) - x - 1)$$

Sequence: A159669
Score: 7.62268
Type of gen. func.: ogf

$$\{-a(n + 2) + 28 a(n + 1) - a(n), a(0) = 1, a(1) = 29\}$$

Sequence: A159670
Score: 45.9385
Type of gen. func.: lgdegf]

$$-13 + 200 x + f(x)$$

Sequence: A159670
Score: 5.03178
Type of gen. func.: ogf

$$\{(200 n + 400) a(n + 1) + a(n + 3) - 13 a(n + 2), a(0) = 1, a(1) = 13, a(2) = -31\}$$

Sequence: A159673
Score: 12.0040
Type of gen. func.: ogf

$$- \frac{56 x}{(x - 1) (x^2 - 782 x + 1)}$$

Sequence: A159673
Score: 5.00165
Type of gen. func.: ogf

$$\{a(n + 3) - 783 a(n + 2) + 783 a(n + 1) - a(n), a(0) = 0, a(1) = 56, a(2) = 43848\}$$

Sequence: A159673
Score: 7.31949
Type of gen. func.: ogf

$$f(x) x^3 - 783 f(x) x^2 + 783 f(x) x - f(x) + 56 x$$

Sequence: A159674
Score: 14.5356
Type of gen. func.: ogf

$$-\frac{x-1}{x^2-32x+1}$$

Sequence: A159674
Score: 14.9387
Type of gen. func.: revogf

$$-\frac{-1-32x+(1020x^2+60x+1)^{1/2}}{2(x+1)}$$

Sequence: A159674
Score: 19.9183
Type of gen. func.: lgdogf

$$-\frac{x^2-2x+31}{(x-1)(x^2-32x+1)}$$

Sequence: A159674
Score: 7.18966
Type of gen. func.: ogf

$$-(990 f(x)-29)(f(x)x^2-32 f(x)x+f(x)+x-1)$$

Sequence: A159674
Score: 7.95998
Type of gen. func.: ogf

$$\{a(n+2)-32a(n+1)+a(n),\ a(0)=1,\ a(1)=31\}$$

Sequence: A159675

Score: 14.5972
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - 32 x + 1}$$

Sequence: A159675
Score: 15.0031
Type of gen. func.: revogf

$$- \frac{-1 - 32 x + (1020 x^2 + 68 x + 1)^{1/2}}{2 (x - 1)}$$

Sequence: A159675
Score: 20.0042
Type of gen. func.: lgdogf

$$- \frac{x^2 + 2 x - 33}{(x + 1) (x^2 - 32 x + 1)}$$

Sequence: A159675
Score: 7.4608
Type of gen. func.: ogf

$$(1054 f(x) + 35) (f(x) x^2 - 32 f(x) x + f(x) - x - 1)$$

Sequence: A159675
Score: 7.99370
Type of gen. func.: ogf

$$\{-a(n + 2) + 32 a(n + 1) - a(n), a(0) = 1, a(1) = 33\}$$

Sequence: A159676
Score: 45.9385
Type of gen. func.: lgdegf]

$$-17 + 200 x + f(x)$$

Sequence: A159676
Score: 5.09978
Type of gen. func.: ogf

$\{(200 n + 400) a(n + 1) + a(n + 3) - 17 a(n + 2), a(0) = 1, a(1) = 17, a(2) = 89\}$

Sequence: A159677
Score: 12.1295
Type of gen. func.: ogf

$$- \frac{64 x^2}{(x - 1) (x^2 - 1022 x + 1)}$$

Sequence: A159677
Score: 5.39090
Type of gen. func.: ogf

$\{a(n + 3) - 1023 a(n + 2) + 1023 a(n + 1) - a(n), a(0) = 0, a(1) = 0, a(2) = 64\}$

Sequence: A159677
Score: 7.16744
Type of gen. func.: ogf

$$f(x) x^3 - 1023 f(x) x^2 + 1023 f(x) x + 64 x^2 - f(x)$$

Sequence: A159678
Score: 15.2983
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - 16 x + 1}$$

Sequence: A159678
Score: 16.0917
Type of gen. func.: revogf

$$-\frac{-1-16x+(252x^2+36x+1)^{1/2}}{2(x-1)}$$

Sequence: A159678
Score: 20.9680
Type of gen. func.: lgdogf

$$-\frac{x^2+2x-17}{(x+1)(x^2-16x+1)}$$

Sequence: A159678
Score: 7.90698
Type of gen. func.: ogf

$$(270 f(x)+19)(f(x)x^2-16 f(x)x+f(x)-x-1)$$

Sequence: A159678
Score: 8.37763
Type of gen. func.: ogf

$$\{-a(n+2)+16a(n+1)-a(n), a(0)=1, a(1)=17\}$$

Sequence: A159679
Score: 12.1397
Type of gen. func.: ogf

$$-\frac{32x}{(x-1)(x^2-254x+1)}$$

Sequence: A159679
Score: 5.10071
Type of gen. func.: ogf

$\{a(n+3) - 255\, a(n+2) + 255\, a(n+1) - a(n),\ a(0) = 0,\ a(1) = 32,$

$a(2) = 8160\}$

Sequence: A159679
Score: 7.40223
Type of gen. func.: ogf

$$f(x)\, x^3 - 255\, f(x)\, x^2 + 255\, f(x)\, x - f(x) + 32\, x$$

Sequence: A159680
Score: 11.7052
Type of gen. func.: lgdogf

$$-\frac{3\,(x^2 - 266\, x + 133)}{(x - 1)\,(x^2 - 398\, x + 1)}$$

Sequence: A159680
Score: 13.0897
Type of gen. func.: ogf

$$-\frac{40\, x}{(x - 1)\,(x^2 - 398\, x + 1)}$$

Sequence: A159680
Score: 5.45406
Type of gen. func.: ogf

$\{a(n+3) - 399\, a(n+2) + 399\, a(n+1) - a(n),\ a(0) = 0,\ a(1) = 40,$

$a(2) = 15960\}$

Sequence: A159680
Score: 7.98154
Type of gen. func.: ogf

$$f(x)\, x^3 - 399\, f(x)\, x^2 + 399\, f(x)\, x - f(x) + 40\, x$$

Sequence: A159681
Score: 11.9473
Type of gen. func.: lgdogf

$$-\frac{3x^2 - 286x + 143}{(x-1)(x^2 - 142x + 1)}$$

Sequence: A159681
Score: 12.9986
Type of gen. func.: ogf

$$-\frac{24x}{(x-1)(x^2 - 142x + 1)}$$

Sequence: A159681
Score: 5.46161
Type of gen. func.: ogf

{a(n + 3) - 143 a(n + 2) + 143 a(n + 1) - a(n), a(0) = 0, a(1) = 24,

a(2) = 3432}

Sequence: A159681
Score: 7.926
Type of gen. func.: ogf

$$f(x)x^3 - 143 f(x)x^2 + 143 f(x)x - f(x) + 24x$$

Sequence: A159682
Score: 46.1408
Type of gen. func.: lgdegf]

$$-19 + 200x + f(x)$$

Sequence: A159682
Score: 5.08179

Type of gen. func.: ogf

$$\{(200 n + 400) a(n + 1) + a(n + 3) - 19 a(n + 2), a(0) = 1, a(1) = 19, a(2) = 161\}$$

Sequence: A159683
Score: 13.4586
Type of gen. func.: ogf

$$-\frac{16 x}{(x - 1) (x^2 - 62 x + 1)}$$

Sequence: A159683
Score: 5.52148
Type of gen. func.: ogf

$$\{a(n + 3) - 63 a(n + 2) + 63 a(n + 1) - a(n), a(0) = 0, a(1) = 16, a(2) = 1008\}$$

Sequence: A159683
Score: 8.07516
Type of gen. func.: ogf

$$f(x) x^3 - 63 f(x) x^2 + 63 f(x) x - f(x) + 16 x$$

Sequence: A159690
Score: 7.19415
Type of gen. func.: ogf

$$-\frac{(x - 1) (841 x^4 + 1722 x^3 + 2647 x^2 + 1722 x + 841)}{x^6 - 6 x^3 + 1}$$

Sequence: A159693
Score: 14.9961
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^4 - 2 x^3 + 4 x^2 + 3 x + 1)}{}$$

$$(x - 1) (x + 1) (x^3 - x^2 + x + 1)$$

Sequence: A159693
Score: 8.17263
Type of gen. func.: ogf

$$\frac{x^3 - x^2 + x + 1}{(x + 1)^3 (x - 1)^4}$$

Sequence: A159694
Score: 14.7136
Type of gen. func.: ogf

$$- \frac{11 x - 6}{(2 x - 1)^2}$$

Sequence: A159694
Score: 22.1119
Type of gen. func.: revogf

$$- \frac{-3 - 2 x + (9 + x)^{1/2}}{4 x + 11}$$

Sequence: A159694
Score: 23.6914
Type of gen. func.: lgdogf

$$- \frac{-13 + 22 x}{(2 x - 1) (11 x - 6)}$$

Sequence: A159694
Score: 7.69121
Type of gen. func.: ogf

$$(4 f(x) + 145) (4 f(x) x^2 - 4 f(x) x + f(x) + 11 x - 6)$$

Sequence: A159694
Score: 8.15454
Type of gen. func.: ogf

$$\{-a(n+2)+4\,a(n+1)-4\,a(n),\ a(0)=6,\ a(1)=13\}$$

Sequence: A159695
Score: 14.7136
Type of gen. func.: ogf

$$-\frac{13\,x-7}{(2\,x-1)^{2}}$$

Sequence: A159695
Score: 17.9286
Type of gen. func.: revogf

$$-\frac{-7-4\,x+(49+4\,x)^{1/2}}{2\,(13+4\,x)}$$

Sequence: A159695
Score: 23.6914
Type of gen. func.: lgdogf

$$-\frac{-15+26\,x}{(2\,x-1)\,(13\,x-7)}$$

Sequence: A159695
Score: 7.69121
Type of gen. func.: ogf

$$(4\,f(x)+197)\,(4\,f(x)\,x^{2}-4\,f(x)\,x+f(x)+13\,x-7)$$

Sequence: A159695
Score: 8.15454
Type of gen. func.: ogf

$\{-a(n + 2) + 4 a(n + 1) - 4 a(n), a(0) = 7, a(1) = 15\}$

Sequence: A159696
Score: 14.7868
Type of gen. func.: ogf

$$-\frac{15 x - 8}{(2 x - 1)^2}$$

Sequence: A159696
Score: 21.5073
Type of gen. func.: revogf

$$-\frac{-4 - 2 x + (16 + x)^{1/2}}{15 + 4 x}$$

Sequence: A159696
Score: 23.8116
Type of gen. func.: lgdogf

$$-\frac{-17 + 30 x}{(2 x - 1) (15 x - 8)}$$

Sequence: A159696
Score: 7.72947
Type of gen. func.: ogf

$$(4 f(x) + 257) (4 f(x) x^2 - 4 f(x) x + f(x) + 15 x - 8)$$

Sequence: A159696
Score: 8.19512
Type of gen. func.: ogf

$\{-a(n + 2) + 4 a(n + 1) - 4 a(n), a(0) = 8, a(1) = 17\}$

Sequence: A159697
Score: 13.8359
Type of gen. func.: ogf

$$-\frac{17 x - 9}{(2 x - 1)^2}$$

Sequence: A159697
Score: 16.8411
Type of gen. func.: revogf

$$-\frac{-9 - 4 x + (81 + 4 x)^{1/2}}{2 (17 + 4 x)}$$

Sequence: A159697
Score: 21.4869
Type of gen. func.: lgdogf

$$-\frac{-19 + 34 x}{(2 x - 1) (17 x - 9)}$$

Sequence: A159697
Score: 7.2324
Type of gen. func.: ogf

$$(4 f(x) + 325) (4 f(x) x^2 - 4 f(x) x + f(x) + 17 x - 9)$$

Sequence: A159697
Score: 7.66807
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 4 a(n), a(0) = 9, a(1) = 19\}$$

Sequence: A159701
Score: 6.68768
Type of gen. func.: ogf

4 3 2

```
                (x - 1) (925 x  + 1892 x  + 2905 x  + 1892 x + 925)
              - ----------------------------------------------------
                                    6      3
                                   x  - 6 x  + 1
```

Sequence: A159705
Score: 5.19029
Type of gen. func.: ogf

```
{(882 n + 1764) a(n + 1) + a(n + 3) - 2 a(n + 2), a(0) = 1, a(1) = 2,

    a(2) = -878}
```

Sequence: A159705
Score: 50.7597
Type of gen. func.: lgdegf]

```
                                -2 + 882 x + f(x)
```

Sequence: A159706
Score: 5.19029
Type of gen. func.: ogf

```
{(-882 n - 1764) a(n + 1) - a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 4,

    a(2) = -866}
```

Sequence: A159706
Score: 50.7597
Type of gen. func.: lgdegf]

```
                                -4 + 882 x + f(x)
```

Sequence: A159707
Score: 5.19029
Type of gen. func.: ogf

```
{(-882 n - 1764) a(n + 1) - a(n + 3) + 8 a(n + 2), a(0) = 1, a(1) = 8,

    a(2) = -818}
```

Sequence: A159707

Score: 50.7597
Type of gen. func.: lgdegf]

$$-8 + 882 x + f(x)$$

Sequence: A159709
Score: 47.5301
Type of gen. func.: lgdegf]

$$-10 + 882 x + f(x)$$

Sequence: A159709
Score: 5.15221
Type of gen. func.: ogf

$$\{(-882 n - 1764) a(n + 1) - a(n + 3) + 10 a(n + 2), a(0) = 1, a(1) = 10, a(2) = -782\}$$

Sequence: A159710
Score: 3.30294
Type of gen. func.: ogf

$$\{(8 n^3 + 40 n^2 + 48 n) a(n + 1) + (-6 n^3 - 20 n^2 - 2 n + 12) a(n + 2) + (n^3 + 2 n^2 - n - 2) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 8\}$$

Sequence: A159710
Score: 5.09959
Type of gen. func.: lgdogf

$$-\frac{2 (24 x^3 - 66 x^2 + 34 x - 5)}{(2 x - 1) (4 x - 1) (2 x^2 - 4 x + 1)}$$

Sequence: A159710
Score: 7.57937
Type of gen. func.: ogf

$$-\frac{8 x^4 (2 x^2 - 4 x + 1)}{(4 x - 1)^2 (2 x - 1)^3}$$

Sequence: A159711
Score: 4.18454
Type of gen. func.: ogf

$$-\frac{16 x^6 (144 x^4 - 444 x^3 + 296 x^2 - 73 x + 6)}{(6 x - 1)^2 (4 x - 1)^3 (2 x - 1)^4}$$

Sequence: A159715
Score: 14.4072
Type of gen. func.: ogf

$$-\frac{2 (3 x - 2)}{(3 x - 1)^2}$$

Sequence: A159715
Score: 18.1603
Type of gen. func.: revogf

$$\frac{2 x}{(4 + 6 x)^{1/2} (2 + (4 + 6 x)^{1/2})}$$

Sequence: A159715
Score: 26.4838
Type of gen. func.: lgdogf

$$-\frac{9 (x - 1)}{(3 x - 1) (3 x - 2)}$$

Sequence: A159715
Score: 7.53864
Type of gen. func.: ogf

$$(7 f(x) + 53) (9 f(x) x^2 - 6 f(x) x + f(x) + 6 x - 4)$$

Sequence: A159715
Score: 7.81111
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 9 a(n), a(0) = 4, a(1) = 18\}$$

Sequence: A159721
Score: 13.5480
Type of gen. func.: ogf

$$- \frac{6 (2 x - 1)}{(4 x - 1)^2}$$

Sequence: A159721
Score: 16.8754
Type of gen. func.: revogf

$$\frac{3 x}{(9 + 12 x)^{1/2} (3 + (9 + 12 x)^{1/2})}$$

Sequence: A159721
Score: 22.2996
Type of gen. func.: lgdogf

$$- \frac{2 (-3 + 4 x)}{(4 x - 1) (2 x - 1)}$$

Sequence: A159721
Score: 7.07505
Type of gen. func.: ogf

$$(14 f(x) + 159) (16 f(x) x^2 - 8 f(x) x + f(x) + 12 x - 6)$$

Sequence: A159721
Score: 7.58040
Type of gen. func.: ogf

$$\{-a(n+2) + 8\,a(n+1) - 16\,a(n),\ a(0) = 6,\ a(1) = 36\}$$

Sequence: A159727
Score: 12.2950
Type of gen. func.: ogf

$$-\frac{4\,(5x-2)}{(5x-1)^2}$$

Sequence: A159727
Score: 17.5205
Type of gen. func.: revogf

$$\frac{x}{(4+5x)^{1/2}\,(2+(4+5x)^{1/2})}$$

Sequence: A159727
Score: 20.6491
Type of gen. func.: lgdogf

$$-\frac{5\,(-3+5x)}{(5x-1)\,(5x-2)}$$

Sequence: A159727
Score: 6.55733
Type of gen. func.: ogf

$$(7\,f(x) + 106)\,(25\,f(x)\,x^2 - 10\,f(x)\,x + f(x) + 20\,x - 8)$$

Sequence: A159727
Score: 6.94305
Type of gen. func.: ogf

$$\{-a(n+2) + 10\,a(n+1) - 25\,a(n),\ a(0) = 8,\ a(1) = 60\}$$

Sequence: A159733
Score: 11.7778
Type of gen. func.: ogf

$$-\frac{10 (3 x - 1)}{(6 x - 1)^2}$$

Sequence: A159733
Score: 14.4957
Type of gen. func.: revogf

$$\frac{5 x}{(25 + 30 x)^{1/2} (5 + (25 + 30 x)^{1/2})}$$

Sequence: A159733
Score: 20.9382
Type of gen. func.: lgdogf

$$-\frac{9 (2 x - 1)}{(6 x - 1) (3 x - 1)}$$

Sequence: A159733
Score: 6.27294
Type of gen. func.: ogf

$$(14 f(x) + 265) (36 f(x) x^2 - 12 f(x) x + f(x) + 30 x - 10)$$

Sequence: A159733
Score: 6.71058
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 36 a(n), a(0) = 10, a(1) = 90\}$$

Sequence: A159736
Score: 12.6190
Type of gen. func.: ogf

$$-\frac{6\,(7x-2)}{(7x-1)^2}$$

Sequence: A159736
Score: 15.5527
Type of gen. func.: revogf

$$\frac{6x}{(36+42x)^{1/2}\,\left(6+(36+42x)^{1/2}\right)}$$

Sequence: A159736
Score: 22.4650
Type of gen. func.: lgdogf

$$-\frac{7\,(-3+7x)}{(7x-1)\,(7x-2)}$$

Sequence: A159736
Score: 6.79486
Type of gen. func.: ogf

$$(7 f(x) + 159)\,(49 f(x) x^2 - 14 f(x) x + f(x) + 42 x - 12)$$

Sequence: A159736
Score: 7.10726
Type of gen. func.: ogf

$$\{-a(n+2) + 14\,a(n+1) - 49\,a(n),\ a(0) = 12,\ a(1) = 126\}$$

Sequence: A159738
Score: 11.9154
Type of gen. func.: ogf

$$-\frac{14\,(4x-1)}{(8x-1)^2}$$

Sequence: A159738
Score: 14.6742
Type of gen. func.: revogf

$$\frac{7 x}{(49 + 56 x)^{1/2} (7 + (49 + 56 x)^{1/2})}$$

Sequence: A159738
Score: 21.1960
Type of gen. func.: lgdogf

$$- \frac{4 (-3 + 8 x)}{(8 x - 1) (4 x - 1)}$$

Sequence: A159738
Score: 6.48728
Type of gen. func.: ogf

$$(2 f(x) + 53) (64 f(x) x^2 - 16 f(x) x + f(x) + 56 x - 14)$$

Sequence: A159738
Score: 6.71098
Type of gen. func.: ogf

$$\{-a(n + 2) + 16 a(n + 1) - 64 a(n), a(0) = 14, a(1) = 168\}$$

Sequence: A159739
Score: 13.5122
Type of gen. func.: revogf

$$\frac{2 x}{(16 + 18 x)^{1/2} (4 + (16 + 18 x)^{1/2})}$$

Sequence: A159739
Score: 13.8809
Type of gen. func.: ogf

$$-\frac{8\,(9x-2)}{(9x-1)^2}$$

Sequence: A159739
Score: 19.5177
Type of gen. func.: lgdogf

$$-\frac{27\,(3x-1)}{(9x-1)\,(9x-2)}$$

Sequence: A159739
Score: 7.47435
Type of gen. func.: ogf

$$(7 f(x) + 212)\,(81 f(x) x^2 - 18 f(x) x + f(x) + 72 x - 16)$$

Sequence: A159739
Score: 7.81800
Type of gen. func.: ogf

$$\{-a(n+2) + 18\,a(n+1) - 81\,a(n),\ a(0) = 16,\ a(1) = 216\}$$

Sequence: A159740
Score: 13.7045
Type of gen. func.: revogf

$$\frac{x}{(9+10x)^{1/2}\,(3+(9+10x)^{1/2})}$$

Sequence: A159740
Score: 16.5399
Type of gen. func.: lgdogf

$$-\frac{5\,(-3+10x)}{(10x-1)\,(5x-1)}$$

Sequence: A159740
Score: 5.27686
Type of gen. func.: ogf

$$(14 f(x) + 477) (100 f(x) x^2 - 20 f(x) x + f(x) + 90 x - 18)$$

Sequence: A159740
Score: 5.57668
Type of gen. func.: ogf

$$\{-a(n + 2) + 20 a(n + 1) - 100 a(n), a(0) = 18, a(1) = 270\}$$

Sequence: A159740
Score: 9.81496
Type of gen. func.: ogf

$$-\frac{18 (5 x - 1)}{(10 x - 1)^2}$$

Sequence: A159741
Score: 17.9939
Type of gen. func.: revogf

$$-\frac{-8 - 3 x + (x^2 + 48 x + 64)^{1/2}}{4 x}$$

Sequence: A159741
Score: 19.4883
Type of gen. func.: ogf

$$\frac{8}{(x - 1) (2 x - 1)}$$

Sequence: A159741
Score: 26.2411
Type of gen. func.: lgdogf

$$-\frac{-3 + 4x}{(2x - 1)(x - 1)}$$

Sequence: A159741
Score: 7.65614
Type of gen. func.: ogf

$$(31 f(x) + 400) (2 f(x) x^2 - 3 f(x) x + f(x) - 8)$$

Sequence: A159741
Score: 7.74837
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 8, a(1) = 24\}$$

Sequence: A159742
Score: 14.1717
Type of gen. func.: ogf

$$\frac{2x^2 + 5x + 13}{(x - 1)(2x - 1)}$$

Sequence: A159742
Score: 15.6597
Type of gen. func.: lgdogf

$$-\frac{4 (4x^2 + 12x - 11)}{(x - 1)(2x - 1)(2x^2 + 5x + 13)}$$

Sequence: A159742
Score: 7.21953
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 2 a(n + 1), a(0) = 13, a(1) = 44, a(2) = 108\}$$

Sequence: A159742
Score: 7.88938
Type of gen. func.: ogf

$$(21 f(x) + 211) (2 f(x) x^2 - 3 f(x) x - 2 x^2 + f(x) - 5 x - 13)$$

Sequence: A159745
Score: 46.5399
Type of gen. func.: lgdegf]

$$-16 + 882 x + f(x)$$

Sequence: A159745
Score: 5.06489
Type of gen. func.: ogf

$$\{(-882 n - 1764) a(n + 1) - a(n + 3) + 16 a(n + 2), a(0) = 1, a(1) = 16, a(2) = -626\}$$

Sequence: A159748
Score: 6.40650
Type of gen. func.: ogf

$$\frac{2 x^7 + 7 x^6 + 22 x^5 + 63 x^4 + 168 x^3 + 379 x^2 + 495 x + 144}{(x - 1) (2 x - 1)}$$

Sequence: A159750
Score: 8.28894
Type of gen. func.: ogf

$$-\frac{(x - 1) (37 x^4 + 84 x^3 + 149 x^2 + 84 x + 37)}{x^6 - 6 x^3 + 1}$$

Sequence: A159753
Score: 47.1340
Type of gen. func.: lgdegf]

$$-20 + 882 x + f(x)$$

Sequence: A159753
Score: 5.13039
Type of gen. func.: ogf

$\{(882 n + 1764) a(n + 1) + a(n + 3) - 20 a(n + 2), a(0) = 1, a(1) = 20,$

$a(2) = -482\}$

Sequence: A159754
Score: 13.5077
Type of gen. func.: ogf

$$\frac{9 x^2 + 32 x + 9}{(x + 1) (x - 1)^2}$$

Sequence: A159754
Score: 16.4350
Type of gen. func.: lgdogf

$$- \frac{9 x^3 + 73 x^2 + 77 x + 41}{(x - 1) (x + 1) (9 x^2 + 32 x + 9)}$$

Sequence: A159754
Score: 6.97899
Type of gen. func.: ogf

$$-(23 f(x) - 1442) (f(x) x^3 - f(x) x^2 - f(x) x - 9 x^2 + f(x) - 32 x - 9)$$

Sequence: A159754
Score: 7.34632
Type of gen. func.: ogf

$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 9, a(1) = 41, a(2) = 59\}$

Sequence: A159758
Score: 7.87244
Type of gen. func.: ogf

$$-\frac{(x-1)(65x^4+144x^3+245x^2+144x+65)}{x^6-6x^3+1}$$

Sequence: A159761
Score: 46.7379
Type of gen. func.: lgdegf]

$$-22 + 882 x + f(x)$$

Sequence: A159761
Score: 5.08672
Type of gen. func.: ogf

{(882 n + 1764) a(n + 1) + a(n + 3) - 22 a(n + 2), a(0) = 1, a(1) = 22,

a(2) = -398}

Sequence: A159762
Score: 47.1340
Type of gen. func.: lgdegf]

$$-26 + 882 x + f(x)$$

Sequence: A159762
Score: 5.10855
Type of gen. func.: ogf

{(882 n + 1764) a(n + 1) + a(n + 3) - 26 a(n + 2), a(0) = 1, a(1) = 26,

a(2) = -206}

Sequence: A159763
Score: 47.5301
Type of gen. func.: lgdegf]

$$-32 + 882 x + f(x)$$

Sequence: A159763
Score: 5.17405
Type of gen. func.: ogf

$$\{(882 n + 1764) a(n + 1) + a(n + 3) - 32 a(n + 2), a(0) = 1, a(1) = 32, a(2) = 142\}$$

Sequence: A159768
Score: 5.71842
Type of gen. func.: ogf

$$-x^3 f(x)^3 + f(x)^2 x^3 - f(x)^2 x^2 + f(x) x^2 - 2 f(x) x + f(x) + x - 1$$

Sequence: A159768
Score: 9.50539
Type of gen. func.: revogf

$$-\frac{-2 x - 1 - x^2 - x^3 + (x^6 + 2 x^5 + 5 x^4 + 2 x^3 + 2 x^2 + 1)^{1/2}}{2 (x^2 + x + 1)}$$

Sequence: A159769
Score: 13.3851
Type of gen. func.: revogf

$$-\frac{-2 x - 1 - 2 x^2 + (4 x^4 + 4 x^3 + 1)^{1/2}}{2 (x + 1)^2}$$

Sequence: A159769
Score: 6.75813
Type of gen. func.: ogf

$$-f(x)^2 x^3 + 2 f(x)^2 x^2 - 2 f(x) x^2 + 2 f(x) x - f(x) - x + 1$$

Sequence: A159770
Score: 5.2422
Type of gen. func.: ogf

$$-x^2 f(x)^3 + 2 f(x)^2 x^2 - 3 f(x)^2 x - f(x) x^2 + f(x)^2 + 3 f(x) x - f(x) - x$$

Sequence: A159771
Score: 7.51747
Type of gen. func.: ogf

$$2 f(x)^2 x^2 - 3 f(x) x^2 + 2 f(x) x + x^2 - f(x) - x + 1$$

Sequence: A159772
Score: 7.00799
Type of gen. func.: ogf

$$4 f(x)^3 x - f(x)^3 - 6 f(x)^2 x + f(x)^2 + 4 f(x) x - x$$

Sequence: A159776
Score: 47.1340
Type of gen. func.: lgdegf]

$$-34 + 882 x + f(x)$$

Sequence: A159776
Score: 5.13039
Type of gen. func.: ogf

{(882 n + 1764) a(n + 1) + a(n + 3) - 34 a(n + 2), a(0) = 1, a(1) = 34,

a(2) = 274}

Sequence: A159777
Score: 7.45875
Type of gen. func.: ogf

$$-\frac{(x - 1) (145 x^4 + 312 x^3 + 509 x^2 + 312 x + 145)}{x^6 - 6 x^3 + 1}$$

```
------------------------------------------------------------------------------

Sequence:  A159784
Score: 47.3321
Type of gen. func.: lgdegf]


                               -38 + 882 x + f(x)



------------------------------------------------------------------------------

Sequence:  A159784
Score: 5.15221
Type of gen. func.: ogf


{(882 n + 1764) a(n + 1) + a(n + 3) - 38 a(n + 2), a(0) = 1, a(1) = 38,

    a(2) = 562}



------------------------------------------------------------------------------

Sequence:  A159806
Score: 49.9081
Type of gen. func.: lgdegf]


                               -1 + 242 x + f(x)



------------------------------------------------------------------------------

Sequence:  A159806
Score: 5.14090
Type of gen. func.: ogf


{(242 n + 484) a(n + 1) + a(n + 3) - a(n + 2), a(0) = 1, a(1) = 1, a(2) = -241}



------------------------------------------------------------------------------

Sequence:  A159807
Score: 5.23230
Type of gen. func.: ogf


{(-242 n - 484) a(n + 1) - a(n + 3) + 3 a(n + 2), a(0) = 1, a(1) = 3,

    a(2) = -233}



------------------------------------------------------------------------------

Sequence:  A159807
Score: 50.7798
Type of gen. func.: lgdegf]


                               -3 + 242 x + f(x)
```

Sequence: A159808
Score: 5.23230
Type of gen. func.: ogf

$$\{(-242 n - 484) a(n + 1) - a(n + 3) + 5 a(n + 2), a(0) = 1, a(1) = 5, a(2) = -217\}$$

Sequence: A159808
Score: 50.7798
Type of gen. func.: lgdegf]

$$-5 + 242 x + f(x)$$

Sequence: A159809
Score: 7.60358
Type of gen. func.: ogf

$$-\frac{(x - 1) (197 x^4 + 420 x^3 + 677 x^2 + 420 x + 197)}{x^6 - 6 x^3 + 1}$$

Sequence: A159814
Score: 11.8929
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-7 x^3 - 2 x^2 - x - 2}{x^4 - 1}$$

Sequence: A159815
Score: 4.93395
Type of gen. func.: ogf

$$- (47636 x^{17} - 22 x^{16} - 47614 x^{15} + 15050 x^7 - 15050 x^5 + 6286 x^4 + 664 x^3 - 6293 x^2 - 700 x - 7) / ((x + 1) (x - 1)^2)$$

Sequence: A159818
Score: 3.41220
Type of gen. func.: ogf_with_Euler_transform]

$$-(2x^{19}-x^{18}+2x^{17}-x^{16}+x^{15}-2x^{14}+2x^{13}-x^{12}+x^{11}-x^{10}+4x^{9}-x^{8}+x^{7}-x^{6}+2x^{5}-2x^{4}+x^{3}-x^{2}+2x-1)\Big/(-x^{20}+1)$$

Sequence: A159819
Score: 5.06992
Type of gen. func.: ogf_with_Euler_transform]

$$-(-4x^{11}+x^{10}-3x^{9}+2x^{8}-2x^{7}+x^{6}-6x^{5}+x^{4}-2x^{3}+2x^{2}-3x+1)\Big/(x^{12}-1)$$

Sequence: A159826
Score: 49.9081
Type of gen. func.: lgdegf]

$$-7+242x+f(x)$$

Sequence: A159826
Score: 5.11806
Type of gen. func.: ogf

$$\{(-242n-484)a(n+1)-a(n+3)+7a(n+2), a(0)=1, a(1)=7, a(2)=-193\}$$

Sequence: A159831
Score: 5.20945
Type of gen. func.: ogf

$$\{(242n+484)a(n+1)+a(n+3)-9a(n+2), a(0)=1, a(1)=9, a(2)=-161\}$$

Sequence: A159831
Score: 50.7798
Type of gen. func.: lgdegf]

$$-9 + 242 x + f(x)$$

Sequence: A159832
Score: 46.9503
Type of gen. func.: lgdegf]

$$-13 + 242 x + f(x)$$

Sequence: A159832
Score: 5.16778
Type of gen. func.: ogf

$$\{(242 n + 484) a(n + 1) + a(n + 3) - 13 a(n + 2), a(0) = 1, a(1) = 13, a(2) = -73\}$$

Sequence: A159833
Score: 15.7498
Type of gen. func.: lgdogf

$$-\frac{8 x^3 + 9 x^2 - 6 x + 19}{(x - 1) (x + 1) (4 x^2 - 5 x + 4)}$$

Sequence: A159833
Score: 4.05984
Type of gen. func.: ogf

$$\{(-13 n^2 - 89 n - 126) a(n + 1) + (26 n^2 + 104 n - 36) a(n + 2) + (-13 n^2 - 15 n + 22) a(n + 3), a(0) = 0, a(1) = 4, a(2) = 19\}$$

Sequence: A159833
Score: 8.25353
Type of gen. func.: ogf

$$-\frac{x (x + 1) (4 x - 5 x + 4)}{(x - 1)^{5}}$$

Sequence: A159840
Score: 46.9503
Type of gen. func.: lgdegf]

$$-15 + 242 x + f(x)$$

Sequence: A159840
Score: 5.16778
Type of gen. func.: ogf

$$\{(242 n + 484) a(n + 1) + a(n + 3) - 15 a(n + 2), a(0) = 1, a(1) = 15, a(2) = -17\}$$

Sequence: A159844
Score: 7.34517
Type of gen. func.: ogf

$$-\frac{(x - 1) (325 x^{4} + 684 x^{3} + 1085 x^{2} + 684 x + 325)}{x^{6} - 6 x^{3} + 1}$$

Sequence: A159850
Score: 47.1527
Type of gen. func.: lgdegf]

$$-17 + 242 x + f(x)$$

Sequence: A159850
Score: 5.19044
Type of gen. func.: ogf

$$\{(242 n + 484) a(n + 1) + a(n + 3) - 17 a(n + 2), a(0) = 1, a(1) = 17, a(2) = 47\}$$

Sequence: A159851
Score: 46.9503
Type of gen. func.: lgdegf]

$$-19 + 242 x + f(x)$$

Sequence: A159851
Score: 5.17173
Type of gen. func.: ogf

{(242 n + 484) a(n + 1) + a(n + 3) - 19 a(n + 2), a(0) = 1, a(1) = 19,

a(2) = 119}

Sequence: A159857
Score: 46.9503
Type of gen. func.: lgdegf]

$$-21 + 242 x + f(x)$$

Sequence: A159857
Score: 5.17173
Type of gen. func.: ogf

{(242 n + 484) a(n + 1) + a(n + 3) - 21 a(n + 2), a(0) = 1, a(1) = 21,

a(2) = 199}

Sequence: A159858
Score: 48.1242
Type of gen. func.: lgdegf]

$$-2 + 1058 x + f(x)$$

Sequence: A159858
Score: 5.21771
Type of gen. func.: ogf

{(-1058 n - 2116) a(n + 1) - a(n + 3) + 2 a(n + 2), a(0) = 1, a(1) = 2,

a(2) = -1054}

```
--------------------------------------------------------------------------------

Sequence:  A159859
Score: 48.5203
Type of gen. func.: lgdegf]


                               -4 + 1058 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A159859
Score: 5.26137
Type of gen. func.: ogf


{(-1058 n - 2116) a(n + 1) - a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 4,

    a(2) = -1042}



--------------------------------------------------------------------------------

Sequence:  A159865
Score: 48.7184
Type of gen. func.: lgdegf]


                               -6 + 1058 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A159865
Score: 5.28320
Type of gen. func.: ogf


{(-1058 n - 2116) a(n + 1) - a(n + 3) + 6 a(n + 2), a(0) = 1, a(1) = 6,

    a(2) = -1022}



--------------------------------------------------------------------------------

Sequence:  A159868
Score: 48.3223
Type of gen. func.: lgdegf]


                               -8 + 1058 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A159868
Score: 5.28113
Type of gen. func.: ogf


{(-1058 n - 2116) a(n + 1) - a(n + 3) + 8 a(n + 2), a(0) = 1, a(1) = 8,

    a(2) = -994}
```

Sequence: A159869
Score: 45.4705
Type of gen. func.: lgdegf]

$$-10 + 1058 x + f(x)$$

Sequence: A159869
Score: 5.24193
Type of gen. func.: ogf

{(-1058 n - 2116) a(n + 1) - a(n + 3) + 10 a(n + 2), a(0) = 1, a(1) = 10,

a(2) = -958}

Sequence: A159870
Score: 45.4705
Type of gen. func.: lgdegf]

$$-12 + 1058 x + f(x)$$

Sequence: A159870
Score: 5.24193
Type of gen. func.: ogf

{(-1058 n - 2116) a(n + 1) - a(n + 3) + 12 a(n + 2), a(0) = 1, a(1) = 12,

a(2) = -914}

Sequence: A159871
Score: 44.9160
Type of gen. func.: lgdegf]

$$-14 + 1058 x + f(x)$$

Sequence: A159871
Score: 5.19861
Type of gen. func.: ogf

{(-1058 n - 2116) a(n + 1) - a(n + 3) + 14 a(n + 2), a(0) = 1, a(1) = 14,

a(2) = -862}

```
--------------------------------------------------------------------------------

Sequence:  A159872
Score: 44.9160
Type of gen. func.: lgdegf]


                              -16 + 1058 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A159872
Score: 5.19861
Type of gen. func.: ogf


{(-1058 n - 2116) a(n + 1) - a(n + 3) + 16 a(n + 2), a(0) = 1, a(1) = 16,

    a(2) = -802}



--------------------------------------------------------------------------------

Sequence:  A159873
Score: 45.2856
Type of gen. func.: lgdegf]


                              -18 + 1058 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A159873
Score: 5.22027
Type of gen. func.: ogf


{(1058 n + 2116) a(n + 1) + a(n + 3) - 18 a(n + 2), a(0) = 1, a(1) = 18,

    a(2) = -734}



--------------------------------------------------------------------------------

Sequence:  A159874
Score: 44.9160
Type of gen. func.: lgdegf]


                              -20 + 1058 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A159874
Score: 5.17695
Type of gen. func.: ogf


{(-1058 n - 2116) a(n + 1) - a(n + 3) + 20 a(n + 2), a(0) = 1, a(1) = 20,

    a(2) = -658}
```

```
--------------------------------------------------------------------------------

Sequence:  A159875
Score: 45.2856
Type of gen. func.: lgdegf]


                              -22 + 1058 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A159875
Score: 5.24193
Type of gen. func.: ogf


{(1058 n + 2116) a(n + 1) + a(n + 3) - 22 a(n + 2), a(0) = 1, a(1) = 22,

    a(2) = -574}



--------------------------------------------------------------------------------

Sequence:  A159877
Score: 44.7311
Type of gen. func.: lgdegf]


                              -24 + 1058 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A159877
Score: 5.17695
Type of gen. func.: ogf


{(1058 n + 2116) a(n + 1) + a(n + 3) - 24 a(n + 2), a(0) = 1, a(1) = 24,

    a(2) = -482}



--------------------------------------------------------------------------------

Sequence:  A159882
Score: 44.5463
Type of gen. func.: lgdegf]


                              -26 + 1058 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A159882
Score: 5.15528
Type of gen. func.: ogf


{(1058 n + 2116) a(n + 1) + a(n + 3) - 26 a(n + 2), a(0) = 1, a(1) = 26,
    a(2) = -382}



--------------------------------------------------------------------------------

Sequence:  A159883
Score: 45.2856
Type of gen. func.: lgdegf]

                              -28 + 1058 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A159883
Score: 5.22027
Type of gen. func.: ogf


{(-1058 n - 2116) a(n + 1) - a(n + 3) + 28 a(n + 2), a(0) = 1, a(1) = 28,

    a(2) = -274}



--------------------------------------------------------------------------------

Sequence:  A159884
Score: 45.4705
Type of gen. func.: lgdegf]

                              -30 + 1058 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A159884
Score: 5.24193
Type of gen. func.: ogf


{(1058 n + 2116) a(n + 1) + a(n + 3) - 30 a(n + 2), a(0) = 1, a(1) = 30,

    a(2) = -158}



--------------------------------------------------------------------------------

Sequence:  A159889
Score: 45.1008
Type of gen. func.: lgdegf]

                              -32 + 1058 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A159889
Score: 5.26137
Type of gen. func.: ogf


{(1058 n + 2116) a(n + 1) + a(n + 3) - 32 a(n + 2), a(0) = 1, a(1) = 32,
```

a(2) = -34}

Sequence: A159890
Score: 7.38100
Type of gen. func.: ogf

$$-\frac{(x-1)(401x^4+840x^3+1325x^2+840x+401)}{x^6-6x^3+1}$$

Sequence: A159893
Score: 7.12327
Type of gen. func.: ogf

$$-\frac{(x-1)(677x^4+1404x^3+2189x^2+1404x+677)}{x^6-6x^3+1}$$

Sequence: A159896
Score: 7.15871
Type of gen. func.: ogf

$$-\frac{(x-1)(785x^4+1624x^3+2525x^2+1624x+785)}{x^6-6x^3+1}$$

Sequence: A159904
Score: 45.2856
Type of gen. func.: lgdegf]

$$-34 + 1058 x + f(x)$$

Sequence: A159904
Score: 5.28320
Type of gen. func.: ogf

{(1058 n + 2116) a(n + 1) + a(n + 3) - 34 a(n + 2), a(0) = 1, a(1) = 34,

a(2) = 98}

Sequence: A159914
Score: 15.9599
Type of gen. func.: lgdogf

$$-\frac{6x^4 - 9x^3 + 13x^2 - 5x + 3}{(x-1)(x^2+1)(x^2-x+1)}$$

Sequence: A159914
Score: 19.7550
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + 2x^3 + x^2 - x + 3$$

Sequence: A159914
Score: 7.26746
Type of gen. func.: ogf

$$\frac{x^4(x^2-x+1)}{(x^2+1)^2(x-1)^4}$$

Sequence: A159915
Score: 16.7513
Type of gen. func.: lgdogf

$$-\frac{5x^4 - 8x^3 + 11x^2 - 4x + 2}{(x-1)(x^2+1)(x^2-x+1)}$$

Sequence: A159915
Score: 20.8551
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + 2x^3 + x^2 - x + 2$$

Sequence: A159915
Score: 8.49944
Type of gen. func.: ogf

$$-\frac{x^3 (x^2 - x + 1)}{(x^2 + 1)^2 (x - 1)^3}$$

Sequence: A159920
Score: 12.3583
Type of gen. func.: ogf

$$-\frac{2 (x - 2)}{(x - 1)^4}$$

Sequence: A159920
Score: 35.1905
Type of gen. func.: lgdogf

$$-\frac{-7 + 3 x}{(x - 1) (x - 2)}$$

Sequence: A159920
Score: 4.92716
Type of gen. func.: ogf

{(2 n + 6) a(n + 3) + (-13 - 3 n) a(n + 2) + (4 + n) a(n + 1), a(0) = 4,

a(1) = 14, a(2) = 32}

Sequence: A159920
Score: 6.07948
Type of gen. func.: ogf

$$(61 f(x) + 484) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + f(x) + 2 x - 4)$$

Sequence: A159921

Score: 45.6553
Type of gen. func.: lgdegf]

$$-36 + 1058 x + f(x)$$

Sequence: A159921
Score: 5.28525
Type of gen. func.: ogf

$$\{(1058 n + 2116) a(n + 1) + a(n + 3) - 36 a(n + 2), a(0) = 1, a(1) = 36, a(2) = 238\}$$

Sequence: A159925
Score: 3.26372
Type of gen. func.: ogf

$$\{a(n + 1) + (-n - 5) a(n + 2) + (n + 7) a(n + 3) - a(4 + n), a(0) = 1, a(1) = 3, a(2) = 12, a(3) = 61\}$$

Sequence: A159926
Score: 3.26372
Type of gen. func.: ogf

$$\{a(n + 1) + (-n - 6) a(n + 2) + (n + 7) a(n + 3) - a(4 + n), a(0) = 1, a(1) = 4, a(2) = 16, a(3) = 77\}$$

Sequence: A159928
Score: 3.47812
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 1) + (n^{2} + 9 n + 19) a(n + 2) + (-n - 3) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 15\}$$

Sequence: A159938
Score: 20.7337
Type of gen. func.: lgdogf

$$- \frac{4 x^{2} + x + 3}{}$$

$$(x - 1) (2 x^2 - x + 1)$$

Sequence: A159938
Score: 4.90438
Type of gen. func.: ogf

$$(896 f(x) + 1093)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 4 x^2 + f(x) + 2 x - 2)$$

Sequence: A159938
Score: 9.52445
Type of gen. func.: ogf

$$\frac{2 (2 x^2 - x + 1)}{(x - 1)^4}$$

Sequence: A159940
Score: 10.5390
Type of gen. func.: ogf

$$\frac{2 (x^3 + 3 x^2 + 2)}{(x - 1)^4}$$

Sequence: A159940
Score: 19.8604
Type of gen. func.: lgdogf

$$- \frac{x^3 + 9 x^2 + 6 x + 8}{(x - 1) (x^3 + 3 x^2 + 2)}$$

Sequence: A159940
Score: 4.25054
Type of gen. func.: ogf

$$\{(-5 n^2 - 26 n - 32) a(n + 1) + (4 n^2 - 5 n - 58) a(n + 2)$$

$$+ (n^2 + 13 n + 30) a(n + 3), a(0) = 4, a(1) = 16, a(2) = 46\}$$

Sequence: A159940
Score: 5.53488
Type of gen. func.: ogf

$$(2656 f(x) + 6161)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 2 x^3 - 4 f(x) x - 6 x^2 + f(x) - 4)$$

Sequence: A159941
Score: 22.1029
Type of gen. func.: lgdegf]

$$\frac{2 x^2 + 11 x + 8}{(2 + x) (2 x + 1)}$$

Sequence: A159941
Score: 4.52048
Type of gen. func.: ogf

$$(1328 f(x) + 6161)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 x^3 - 4 f(x) x - 12 x^2 + f(x) - 8)$$

Sequence: A159941
Score: 8.55227
Type of gen. func.: ogf

$$\frac{4 (x^3 + 3 x^2 + 2)}{(x - 1)^4}$$

Sequence: A159943
Score: 45.1008
Type of gen. func.: lgdegf]

```
                              -38 + 1058 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A159943
Score: 5.24193
Type of gen. func.: ogf


{(1058 n + 2116) a(n + 1) + a(n + 3) - 38 a(n + 2), a(0) = 1, a(1) = 38,

    a(2) = 386}



--------------------------------------------------------------------------------

Sequence:  A159946
Score: 45.1008
Type of gen. func.: lgdegf]


                              -40 + 1058 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A159946
Score: 5.24193
Type of gen. func.: ogf


{(1058 n + 2116) a(n + 1) + a(n + 3) - 40 a(n + 2), a(0) = 1, a(1) = 40,

    a(2) = 542}



--------------------------------------------------------------------------------

Sequence:  A159947
Score: 45.2856
Type of gen. func.: lgdegf]


                              -42 + 1058 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A159947
Score: 5.24193
Type of gen. func.: ogf


{(1058 n + 2116) a(n + 1) + a(n + 3) - 42 a(n + 2), a(0) = 1, a(1) = 42,

    a(2) = 706}



--------------------------------------------------------------------------------

Sequence:  A159948
Score: 44.9160
Type of gen. func.: lgdegf]
```

```
                                -44 + 1058 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A159948
Score: 5.22027
Type of gen. func.: ogf


{(1058 n + 2116) a(n + 1) + a(n + 3) - 44 a(n + 2), a(0) = 1, a(1) = 44,

    a(2) = 878}



--------------------------------------------------------------------------------

Sequence:  A159949
Score: 5.25515
Type of gen. func.: ogf


{(-288 n - 576) a(n + 1) - a(n + 3) + a(n + 2), a(0) = 1, a(1) = 1, a(2) = -287

    }



--------------------------------------------------------------------------------

Sequence:  A159949
Score: 50.9978
Type of gen. func.: lgdegf]


                                 -1 + 288 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A159954
Score: 5.34654
Type of gen. func.: ogf


{(-288 n - 576) a(n + 1) - a(n + 3) + 5 a(n + 2), a(0) = 1, a(1) = 5,

    a(2) = -263}



--------------------------------------------------------------------------------

Sequence:  A159954
Score: 51.8695
Type of gen. func.: lgdegf]


                                 -5 + 288 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A159955
Score: 7.35219
```

Type of gen. func.: ogf

$$-\frac{x\,(x^5 - x^4 + 2\,x^3 - x^2 + x + 1)}{(x - 1)\,(x^6 + x^3 + 1)}$$

Sequence: A159955
Score: 7.73708
Type of gen. func.: lgdogf

$$-(2\,x^{11} - 4\,x^{10} + 10\,x^9 - 12\,x^8 + 12\,x^7 + 3\,x^6 - 12\,x^5 + 12\,x^4 - 6\,x^3 + 4\,x^2 - 2\,x + 2)\ \Big/\ ((x - 1)\,(x^5 - x^4 + 2\,x^3 - x^2 + x + 1)\,(x^6 + x^3 + 1))$$

Sequence: A159956
Score: 5.24272
Type of gen. func.: ogf

$$-\frac{x\,(2\,x^{11} - x^{10} - x^9 + 3\,x^8 - 2\,x^6 + 2\,x^5 + 2\,x^4 - 2\,x^3 + x^2 + x + 1)}{(x - 1)\,(x^4 + 1)\,(x^8 + 1)}$$

Sequence: A159964
Score: 13.5510
Type of gen. func.: ogf

$$-\frac{4\,x - 1}{(2\,x - 1)^2}$$

Sequence: A159964
Score: 20.8010
Type of gen. func.: revogf

$$-\frac{-1 - 4\,x + (1 - 8\,x)^{1/2}}{8\,(x + 1)}$$

Sequence: A159964
Score: 34.3217
Type of gen. func.: lgdogf

$$-\frac{8x}{(4x-1)(2x-1)}$$

Sequence: A159964
Score: 7.52831
Type of gen. func.: ogf

$$\{-a(n+2)+4a(n+1)-4a(n),\ a(0)=1,\ a(1)=0\}$$

Sequence: A159964
Score: 9.67926
Type of gen. func.: ogf

$$4f(x)x^2-4f(x)x+f(x)+4x-1$$

Sequence: A159966
Score: 12.4012
Type of gen. func.: ogf

$$\frac{x(3x^2-4x+3)}{(x^2+1)(x-1)^2}$$

Sequence: A159966
Score: 15.9360
Type of gen. func.: lgdogf

$$-\frac{2(3x^4-6x^3+8x^2-2x+1)}{(x-1)(x^2+1)(3x^2-4x+3)}$$

Sequence: A159966
Score: 4.64250
Type of gen. func.: ogf

```
{(n + 3) a(n + 1) + (-n - 2) a(n + 2) + (n + 3) a(n + 3) + (-n - 2) a(4 + n),

    a(0) = 0, a(1) = 3, a(2) = 2, a(3) = 1}



------------------------------------------------------------------------------

Sequence:  A159966
Score: 6.70583
Type of gen. func.: ogf


(38 f(x) + 53)

           4           3           2      3                 2
    (f(x) x  - 2 f(x) x  + 2 f(x) x  - 3 x  - 2 f(x) x + 4 x  + f(x) - 3 x)



------------------------------------------------------------------------------

Sequence:  A159967
Score: 5.25515
Type of gen. func.: ogf


{(-288 n - 576) a(n + 1) - a(n + 3) + 7 a(n + 2), a(0) = 1, a(1) = 7,

    a(2) = -239}



------------------------------------------------------------------------------

Sequence:  A159967
Score: 51.2157
Type of gen. func.: lgdegf]


                               -7 + 288 x + f(x)



------------------------------------------------------------------------------

Sequence:  A159968
Score: 48.1646
Type of gen. func.: lgdegf]


                               -11 + 288 x + f(x)



------------------------------------------------------------------------------

Sequence:  A159968
Score: 5.26167
Type of gen. func.: ogf


{(288 n + 576) a(n + 1) + a(n + 3) - 11 a(n + 2), a(0) = 1, a(1) = 11,

    a(2) = -167}



------------------------------------------------------------------------------
```

Sequence: A159969
Score: 48.7717
Type of gen. func.: lgdegf]

$$-13 + 288 x + f(x)$$

Sequence: A159969
Score: 5.30665
Type of gen. func.: ogf

$$\{(288 n + 576) a(n + 1) + a(n + 3) - 13 a(n + 2), a(0) = 1, a(1) = 13, a(2) = -119\}$$

Sequence: A159972
Score: 5.5494
Type of gen. func.: ogf

$$-f(x)^2 x^2 - 2 f(x)^2 x - 2 f(x) x^2 - f(x)^2 - f(x) x - x^2 + f(x) + 2 x$$

Sequence: A159972
Score: 9.47554
Type of gen. func.: lgdogf

$$\frac{-(4 x + 1)^{1/2} + 2 x (4 x + 1)^{1/2} + x^2 + 2 x + 1}{x (x - 2) (4 x + 1)^{1/2} (x + 1)}$$

Sequence: A159991
Score: 15.9094
Type of gen. func.: ogf

$$-60 f(x) x + f(x) - 1$$

Sequence: A159991
Score: 22.4320
Type of gen. func.: ogf

$$-\frac{1}{60 x - 1}$$

```
-------------------------------------------------------------------------------

Sequence:  A159991
Score: 32.1965
Type of gen. func.: revegf]


                               1/60 ln(1 + 60 x)



-------------------------------------------------------------------------------

Sequence:  A159991
Score: 37.1498
Type of gen. func.: lgdogf


                                         60
                                   - --------
                                     60 x - 1



-------------------------------------------------------------------------------

Sequence:  A159991
Score: 9.31140
Type of gen. func.: ogf


                         {a(n + 1) - 60 a(n), a(0) = 1}



-------------------------------------------------------------------------------

Sequence:  A159996
Score: 47.5575
Type of gen. func.: lgdegf]


                               -17 + 288 x + f(x)



-------------------------------------------------------------------------------

Sequence:  A159996
Score: 5.30085
Type of gen. func.: ogf


{(288 n + 576) a(n + 1) + a(n + 3) - 17 a(n + 2), a(0) = 1, a(1) = 17, a(2) = 1

    }



-------------------------------------------------------------------------------

Sequence:  A159997
Score: 48.1646
Type of gen. func.: lgdegf]


                               -19 + 288 x + f(x)
```

Sequence: A159997
Score: 5.30377
Type of gen. func.: ogf

{(288 n + 576) a(n + 1) + a(n + 3) - 19 a(n + 2), a(0) = 1, a(1) = 19,

a(2) = 73}

Sequence: A159998
Score: 47.9622
Type of gen. func.: lgdegf]

-23 + 288 x + f(x)

Sequence: A159998
Score: 5.28416
Type of gen. func.: ogf

{(288 n + 576) a(n + 1) + a(n + 3) - 23 a(n + 2), a(0) = 1, a(1) = 23,

a(2) = 241}

Sequence: A160003
Score: 48.5203
Type of gen. func.: lgdegf]

-2 + 1250 x + f(x)

Sequence: A160003
Score: 5.26137
Type of gen. func.: ogf

{(-1250 n - 2500) a(n + 1) - a(n + 3) + 2 a(n + 2), a(0) = 1, a(1) = 2,

a(2) = -1246}

Sequence: A160004
Score: 48.9164
Type of gen. func.: lgdegf]

-4 + 1250 x + f(x)

Sequence: A160004
Score: 5.30503
Type of gen. func.: ogf

{(-1250 n - 2500) a(n + 1) - a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 4,

a(2) = -1234}

Sequence: A160005
Score: 49.5105
Type of gen. func.: lgdegf]

-6 + 1250 x + f(x)

Sequence: A160005
Score: 5.37053
Type of gen. func.: ogf

{(-1250 n - 2500) a(n + 1) - a(n + 3) + 6 a(n + 2), a(0) = 1, a(1) = 6,

a(2) = -1214}

Sequence: A160008
Score: 49.5105
Type of gen. func.: lgdegf]

-8 + 1250 x + f(x)

Sequence: A160008
Score: 5.37053
Type of gen. func.: ogf

{(-1250 n - 2500) a(n + 1) - a(n + 3) + 8 a(n + 2), a(0) = 1, a(1) = 8,

a(2) = -1186}

Sequence: A160010
Score: 46.3947
Type of gen. func.: lgdegf]

-12 + 1250 x + f(x)

Sequence: A160010
Score: 5.30876
Type of gen. func.: ogf

{(-1250 n - 2500) a(n + 1) - a(n + 3) + 12 a(n + 2), a(0) = 1, a(1) = 12,

a(2) = -1106}

Sequence: A160011
Score: 45.8402
Type of gen. func.: lgdegf]

-14 + 1250 x + f(x)

Sequence: A160011
Score: 5.24428
Type of gen. func.: ogf

{(1250 n + 2500) a(n + 1) + a(n + 3) - 14 a(n + 2), a(0) = 1, a(1) = 14,

a(2) = -1054}

Sequence: A160012
Score: 45.6553
Type of gen. func.: lgdegf]

-16 + 1250 x + f(x)

Sequence: A160012
Score: 5.26359
Type of gen. func.: ogf

{(-1250 n - 2500) a(n + 1) - a(n + 3) + 16 a(n + 2), a(0) = 1, a(1) = 16,

a(2) = -994}

Sequence: A160013
Score: 45.2856
Type of gen. func.: lgdegf]

$$-18 + 1250 x + f(x)$$

Sequence: A160013
Score: 5.24193
Type of gen. func.: ogf

$$\{(1250 n + 2500) a(n + 1) + a(n + 3) - 18 a(n + 2), a(0) = 1, a(1) = 18, a(2) = -926\}$$

Sequence: A160016
Score: 7.70538
Type of gen. func.: lgdogf

$$-\frac{4 x^9 + 3 x^8 + 16 x^7 + 30 x^6 + 36 x^5 + 12 x^4 + 32 x^3 + 18 x^2 + 8 x + 1}{(x - 1) (x + 1) (x^2 + 1) (2 x^6 + x^5 + 4 x^4 + 6 x^3 + 4 x^2 + x + 2)}$$

Sequence: A160016
Score: 9.74897
Type of gen. func.: ogf

$$\frac{x (2 x^6 + x^5 + 4 x^4 + 6 x^3 + 4 x^2 + x + 2)}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A160037
Score: 45.4705
Type of gen. func.: lgdegf]

$$-22 + 1250 x + f(x)$$

Sequence: A160037
Score: 5.26359
Type of gen. func.: ogf

$$\{(1250 n + 2500) a(n + 1) + a(n + 3) - 22 a(n + 2), a(0) = 1, a(1) = 22, a(2) = -766\}$$

Sequence: A160038
Score: 45.6553
Type of gen. func.: lgdegf]

$$-24 + 1250 x + f(x)$$

Sequence: A160038
Score: 5.28525
Type of gen. func.: ogf

$$\{(-1250 n - 2500) a(n + 1) - a(n + 3) + 24 a(n + 2), a(0) = 1, a(1) = 24, a(2) = -674\}$$

Sequence: A160041
Score: 7.83422
Type of gen. func.: ogf

$$-\frac{(x - 1) (53 x^4 + 126 x^3 + 251 x^2 + 126 x + 53)}{x^6 - 6 x^3 + 1}$$

Sequence: A160050
Score: 5.85468
Type of gen. func.: ogf

$$\frac{x (x^7 - 2 x^6 + 3 x^5 - 5 x^4 - 2 x - 1)}{(x - 1)^3 (x^2 + 1)^3}$$

Sequence: A160050
Score: 7.97537
Type of gen. func.: lgdogf

$$-\frac{2 x^9 - 5 x^8 + 8 x^7 - 15 x^6 - 8 x^5 + 20 x^4 - 36 x^3 + x^2 + 2 x - 5}{(x - 1) (x^2 + 1) (x^7 - 2 x^6 + 3 x^5 - 5 x^4 - 2 x - 1)}$$

Sequence: A160055
Score: 7.91065
Type of gen. func.: ogf

$$-\frac{(x-1)(65x^4+154x^3+303x^2+154x+65)}{x^6-6x^3+1}$$

Sequence: A160059
Score: 45.4705
Type of gen. func.: lgdegf]

$$-26+1250x+f(x)$$

Sequence: A160059
Score: 5.26359
Type of gen. func.: ogf

$\{(1250 n + 2500) a(n + 1) + a(n + 3) - 26 a(n + 2), a(0) = 1, a(1) = 26,$

$a(2) = -574\}$

Sequence: A160060
Score: 45.8402
Type of gen. func.: lgdegf]

$$-28+1250x+f(x)$$

Sequence: A160060
Score: 5.28525
Type of gen. func.: ogf

$\{(1250 n + 2500) a(n + 1) + a(n + 3) - 28 a(n + 2), a(0) = 1, a(1) = 28,$

$a(2) = -466\}$

Sequence: A160061
Score: 46.0250
Type of gen. func.: lgdegf]

$$-32+1250x+f(x)$$

```
------------------------------------------------------------------------------

Sequence:  A160061
Score: 5.30691
Type of gen. func.: ogf


{(-1250 n - 2500) a(n + 1) - a(n + 3) + 32 a(n + 2), a(0) = 1, a(1) = 32,

    a(2) = -226}



------------------------------------------------------------------------------

Sequence:  A160062
Score: 45.4705
Type of gen. func.: lgdegf]


                              -34 + 1250 x + f(x)



------------------------------------------------------------------------------

Sequence:  A160062
Score: 5.30503
Type of gen. func.: ogf


{(1250 n + 2500) a(n + 1) + a(n + 3) - 34 a(n + 2), a(0) = 1, a(1) = 34,

    a(2) = -94}



------------------------------------------------------------------------------

Sequence:  A160063
Score: 45.2856
Type of gen. func.: lgdegf]


                              -36 + 1250 x + f(x)



------------------------------------------------------------------------------

Sequence:  A160063
Score: 5.30503
Type of gen. func.: ogf


{(1250 n + 2500) a(n + 1) + a(n + 3) - 36 a(n + 2), a(0) = 1, a(1) = 36,

    a(2) = 46}



------------------------------------------------------------------------------

Sequence:  A160064
Score: 45.8402
Type of gen. func.: lgdegf]


                              -38 + 1250 x + f(x)
```

Sequence: A160064
Score: 5.30691
Type of gen. func.: ogf

{(1250 n + 2500) a(n + 1) + a(n + 3) - 38 a(n + 2), a(0) = 1, a(1) = 38,

a(2) = 194}

Sequence: A160065
Score: 45.8402
Type of gen. func.: lgdegf]

-42 + 1250 x + f(x)

Sequence: A160065
Score: 5.32857
Type of gen. func.: ogf

{(1250 n + 2500) a(n + 1) + a(n + 3) - 42 a(n + 2), a(0) = 1, a(1) = 42,

a(2) = 514}

Sequence: A160066
Score: 45.6553
Type of gen. func.: lgdegf]

-44 + 1250 x + f(x)

Sequence: A160066
Score: 5.28525
Type of gen. func.: ogf

{(1250 n + 2500) a(n + 1) + a(n + 3) - 44 a(n + 2), a(0) = 1, a(1) = 44,

a(2) = 686}

Sequence: A160067
Score: 39.1765
Type of gen. func.: lgdegf]

-46 + 1250 x + f(x)

Sequence: A160067
Score: 4.52752
Type of gen. func.: ogf

{(1250 n + 2500) a(n + 1) + a(n + 3) - 46 a(n + 2), a(0) = 1, a(1) = 46,

a(2) = 866}

Sequence: A160068
Score: 39.1765
Type of gen. func.: lgdegf]

-48 + 1250 x + f(x)

Sequence: A160068
Score: 4.49243
Type of gen. func.: ogf

{(1250 n + 2500) a(n + 1) + a(n + 3) - 48 a(n + 2), a(0) = 1, a(1) = 48,

a(2) = 1054}

Sequence: A160069
Score: 5.41509
Type of gen. func.: ogf

{(338 n + 676) a(n + 1) + a(n + 3) - a(n + 2), a(0) = 1, a(1) = 1, a(2) = -337}

Sequence: A160069
Score: 52.5234
Type of gen. func.: lgdegf]

-1 + 338 x + f(x)

Sequence: A160070
Score: 5.46078
Type of gen. func.: ogf

{(338 n + 676) a(n + 1) + a(n + 3) - 3 a(n + 2), a(0) = 1, a(1) = 3,

    a(2) = -329}

Sequence: A160070
Score: 52.9592
Type of gen. func.: lgdegf]

-3 + 338 x + f(x)

Sequence: A160071
Score: 5.41509
Type of gen. func.: ogf

{(-338 n - 676) a(n + 1) - a(n + 3) + 5 a(n + 2), a(0) = 1, a(1) = 5,

    a(2) = -313}

Sequence: A160071
Score: 52.5234
Type of gen. func.: lgdegf]

-5 + 338 x + f(x)

Sequence: A160072
Score: 5.39224
Type of gen. func.: ogf

{(338 n + 676) a(n + 1) + a(n + 3) - 7 a(n + 2), a(0) = 1, a(1) = 7,

    a(2) = -289}

Sequence: A160072
Score: 52.3054
Type of gen. func.: lgdegf]

-7 + 338 x + f(x)

Sequence: A160073
Score: 5.41509
Type of gen. func.: ogf

{(338 n + 676) a(n + 1) + a(n + 3) - 9 a(n + 2), a(0) = 1, a(1) = 9,

    a(2) = -257}

Sequence: A160073
Score: 52.5234
Type of gen. func.: lgdegf]

$$-9 + 338 x + f(x)$$

Sequence: A160074
Score: 49.1764
Type of gen. func.: lgdegf]

$$-11 + 338 x + f(x)$$

Sequence: A160074
Score: 5.35162
Type of gen. func.: ogf

{(338 n + 676) a(n + 1) + a(n + 3) - 11 a(n + 2), a(0) = 1, a(1) = 11,

    a(2) = -217}

Sequence: A160075
Score: 49.3788
Type of gen. func.: lgdegf]

$$-15 + 338 x + f(x)$$

Sequence: A160075
Score: 5.39659
Type of gen. func.: ogf

{(338 n + 676) a(n + 1) + a(n + 3) - 15 a(n + 2), a(0) = 1, a(1) = 15,

    a(2) = -113}

Sequence: A160076
Score: 49.3788
Type of gen. func.: lgdegf]

$$-17 + 338 x + f(x)$$

Sequence: A160076
Score: 5.41710
Type of gen. func.: ogf

{(338 n + 676) a(n + 1) + a(n + 3) - 17 a(n + 2), a(0) = 1, a(1) = 17,

a(2) = -49}

Sequence: A160077
Score: 49.3788
Type of gen. func.: lgdegf]

$$-19 + 338 x + f(x)$$

Sequence: A160077
Score: 5.43976
Type of gen. func.: ogf

{(338 n + 676) a(n + 1) + a(n + 3) - 19 a(n + 2), a(0) = 1, a(1) = 19,

a(2) = 23}

Sequence: A160079
Score: 6.65652
Type of gen. func.: ogf

$$\frac{x (2 x^{10} + x^{9} + 4 x^{8} + 3 x^{7} + 5 x^{6} + 4 x^{5} + 4 x^{4} + 3 x^{3} + 2 x^{2} + 4 x + 1)}{(x^{4} + 1) (x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2}}$$

Sequence: A160080
Score: 6.98203
Type of gen. func.: ogf

$$x (3 x^{10} + x^{9} + 2 x^{8} + 7 x^{7} + 11 x^{6} + 4 x^{5} + 9 x^{4} + 3 x^{3} + 2 x^{2} + 5 x + 1) \Big/ ((x - 1)^{2} (x + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2})$$

```
--------------------------------------------------------------------------------

Sequence:  A160082
Score: 49.3788
Type of gen. func.: lgdegf]

                               -21 + 338 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A160082
Score: 5.39659
Type of gen. func.: ogf


{(338 n + 676) a(n + 1) + a(n + 3) - 21 a(n + 2), a(0) = 1, a(1) = 21,

    a(2) = 103}



--------------------------------------------------------------------------------

Sequence:  A160083
Score: 49.1764
Type of gen. func.: lgdegf]

                               -23 + 338 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A160083
Score: 5.39659
Type of gen. func.: ogf


{(338 n + 676) a(n + 1) + a(n + 3) - 23 a(n + 2), a(0) = 1, a(1) = 23,

    a(2) = 191}



--------------------------------------------------------------------------------

Sequence:  A160084
Score: 49.1764
Type of gen. func.: lgdegf]

                               -25 + 338 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A160084
Score: 5.39659
Type of gen. func.: ogf


{(338 n + 676) a(n + 1) + a(n + 3) - 25 a(n + 2), a(0) = 1, a(1) = 25,

    a(2) = 287}
```

Sequence: A160087
Score: 4.54185
Type of gen. func.: ogf

$\{(-1458 n - 2916) a(n + 1) - a(n + 3) + 2 a(n + 2), a(0) = 1, a(1) = 2, a(2) = -1454\}$

Sequence: A160087
Score: 41.7813
Type of gen. func.: lgdegf]

$$-2 + 1458 x + f(x)$$

Sequence: A160088
Score: 4.62714
Type of gen. func.: ogf

$\{(-1458 n - 2916) a(n + 1) - a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 4, a(2) = -1442\}$

Sequence: A160088
Score: 42.5551
Type of gen. func.: lgdegf]

$$-4 + 1458 x + f(x)$$

Sequence: A160090
Score: 7.48849
Type of gen. func.: ogf

$$-\frac{(x - 1) (485 x^4 + 1054 x^3 + 1743 x^2 + 1054 x + 485)}{x^6 - 6 x^3 + 1}$$

Sequence: A160093
Score: 32.9752
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{18} + x^9 + 1$$

Sequence: A160098
Score: 6.93861
Type of gen. func.: ogf

$$-\frac{(x - 1) (425 x^4 + 1026 x^3 + 2287 x^2 + 1026 x + 425)}{x^6 - 6 x^3 + 1}$$

Sequence: A160103
Score: 4.62714
Type of gen. func.: ogf

{(-1458 n - 2916) a(n + 1) - a(n + 3) + 8 a(n + 2), a(0) = 1, a(1) = 8,

a(2) = -1394}

Sequence: A160103
Score: 42.5551
Type of gen. func.: lgdegf]

$$-8 + 1458 x + f(x)$$

Sequence: A160104
Score: 4.59739
Type of gen. func.: ogf

{(-1458 n - 2916) a(n + 1) - a(n + 3) + 10 a(n + 2), a(0) = 1, a(1) = 10,

a(2) = -1358}

Sequence: A160104
Score: 40.0791
Type of gen. func.: lgdegf]

$$-10 + 1458 x + f(x)$$

Sequence: A160107
Score: 39.8986
Type of gen. func.: lgdegf]

$$-14 + 1458 x + f(x)$$

Sequence: A160107
Score: 4.57640
Type of gen. func.: ogf

$$\{(-1458 n - 2916) a(n + 1) - a(n + 3) + 14 a(n + 2), a(0) = 1, a(1) = 14, a(2) = -1262\}$$

Sequence: A160108
Score: 6.92556
Type of gen. func.: ogf

$$x (7 x^{10} + x^{9} + 6 x^{8} + 3 x^{7} + 11 x^{6} + 8 x^{5} + 5 x^{4} + 3 x^{3} + 2 x^{2} + 9 x + 1) / ((x - 1)^{2} (x + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2})$$

Sequence: A160117
Score: 10.9426
Type of gen. func.: lgdogf

$$-\frac{5 x^{5} + 45 x^{4} + 22 x^{3} + 70 x^{2} + 17 x + 9}{(x - 1) (x + 1) (x^{2} + 1) (4 x^{3} + x^{2} + 8 x + 1)}$$

Sequence: A160117
Score: 7.85196
Type of gen. func.: ogf

$$-\frac{x (x^{2} + 1) (4 x^{3} + x^{2} + 8 x + 1)}{(x + 1)^{2} (x - 1)^{3}}$$

Sequence: A160128

Score: 10.6839
Type of gen. func.: lgdogf

$$-\frac{16 x^3 - 72 x^2 + 39 x - 7}{(x - 1) (4 x - 1) (4 x^2 - 11 x + 3)}$$

Sequence: A160128
Score: 5.12585
Type of gen. func.: ogf

$$(89 f(x) + 168) (4 f(x) x^3 - 9 f(x) x^2 + 6 f(x) x + 4 x^2 - f(x) - 11 x + 3)$$

Sequence: A160128
Score: 5.21657
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 9 a(n + 1) - 4 a(n), a(0) = 3, a(1) = 7, a(2) = 19\}$$

Sequence: A160128
Score: 9.50761
Type of gen. func.: ogf

$$-\frac{4 x^2 - 11 x + 3}{(4 x - 1) (x - 1)^2}$$

Sequence: A160131
Score: 46.2098
Type of gen. func.: lgdegf]

$$-16 + 1458 x + f(x)$$

Sequence: A160131
Score: 5.30876
Type of gen. func.: ogf

$$\{(-1458 n - 2916) a(n + 1) - a(n + 3) + 16 a(n + 2), a(0) = 1, a(1) = 16, a(2) = -1202\}$$

```
--------------------------------------------------------------------------------

Sequence:  A160132
Score: 39.3570
Type of gen. func.: lgdegf]

                              -20 + 1458 x + f(x)


--------------------------------------------------------------------------------

Sequence:  A160132
Score: 4.53441
Type of gen. func.: ogf


{(-1458 n - 2916) a(n + 1) - a(n + 3) + 20 a(n + 2), a(0) = 1, a(1) = 20,

    a(2) = -1058}


--------------------------------------------------------------------------------

Sequence:  A160139
Score: 39.5375
Type of gen. func.: lgdegf]

                              -22 + 1458 x + f(x)


--------------------------------------------------------------------------------

Sequence:  A160139
Score: 4.56984
Type of gen. func.: ogf


{(1458 n + 2916) a(n + 1) + a(n + 3) - 22 a(n + 2), a(0) = 1, a(1) = 22,

    a(2) = -974}


--------------------------------------------------------------------------------

Sequence:  A160140
Score: 39.1765
Type of gen. func.: lgdegf]

                              -26 + 1458 x + f(x)


--------------------------------------------------------------------------------

Sequence:  A160140
Score: 4.54868
Type of gen. func.: ogf


{(1458 n + 2916) a(n + 1) + a(n + 3) - 26 a(n + 2), a(0) = 1, a(1) = 26,
```

    a(2) = -782}

Sequence: A160141
Score: 46.2098
Type of gen. func.: lgdegf]

-28 + 1458 x + f(x)

Sequence: A160141
Score: 5.35023
Type of gen. func.: ogf

{(1458 n + 2916) a(n + 1) + a(n + 3) - 28 a(n + 2), a(0) = 1, a(1) = 28,

    a(2) = -674}

Sequence: A160142
Score: 4.63330
Type of gen. func.: ogf

{(1458 n + 2916) a(n + 1) + a(n + 3) - 32 a(n + 2), a(0) = 1, a(1) = 32,

    a(2) = -434}

Sequence: A160142
Score: 40.0791
Type of gen. func.: lgdegf]

-32 + 1458 x + f(x)

Sequence: A160146
Score: 4.63330
Type of gen. func.: ogf

{(1458 n + 2916) a(n + 1) + a(n + 3) - 34 a(n + 2), a(0) = 1, a(1) = 34,

    a(2) = -302}

Sequence: A160146
Score: 40.2597
Type of gen. func.: lgdegf]

```
                              -34 + 1458 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A160147
Score: 39.7181
Type of gen. func.: lgdegf]


                              -38 + 1458 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A160147
Score: 4.62714
Type of gen. func.: ogf


{(1458 n + 2916) a(n + 1) + a(n + 3) - 38 a(n + 2), a(0) = 1, a(1) = 38,

    a(2) = -14}



--------------------------------------------------------------------------------

Sequence:  A160148
Score: 4.63330
Type of gen. func.: ogf


{(1458 n + 2916) a(n + 1) + a(n + 3) - 40 a(n + 2), a(0) = 1, a(1) = 40,

    a(2) = 142}



--------------------------------------------------------------------------------

Sequence:  A160148
Score: 40.0791
Type of gen. func.: lgdegf]


                              -40 + 1458 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A160150
Score: 39.5375
Type of gen. func.: lgdegf]


                              -44 + 1458 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A160150
Score: 4.56984
Type of gen. func.: ogf
```

```
{(1458 n + 2916) a(n + 1) + a(n + 3) - 44 a(n + 2), a(0) = 1, a(1) = 44,

    a(2) = 478}



--------------------------------------------------------------------------------

Sequence:  A160151
Score: 39.5375
Type of gen. func.: lgdegf]


                               -46 + 1458 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A160151
Score: 4.59099
Type of gen. func.: ogf


{(1458 n + 2916) a(n + 1) + a(n + 3) - 46 a(n + 2), a(0) = 1, a(1) = 46,

    a(2) = 658}



--------------------------------------------------------------------------------

Sequence:  A160152
Score: 39.8986
Type of gen. func.: lgdegf]


                               -50 + 1458 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A160152
Score: 4.57640
Type of gen. func.: ogf


{(1458 n + 2916) a(n + 1) + a(n + 3) - 50 a(n + 2), a(0) = 1, a(1) = 50,

    a(2) = 1042}



--------------------------------------------------------------------------------

Sequence:  A160153
Score: 4.59739
Type of gen. func.: ogf


{(1458 n + 2916) a(n + 1) + a(n + 3) - 52 a(n + 2), a(0) = 1, a(1) = 52,

    a(2) = 1246}



--------------------------------------------------------------------------------

Sequence:  A160153
Score: 40.0791
```

Type of gen. func.: lgdegf]

$$-52 + 1458 x + f(x)$$

Sequence: A160154
Score: 4.14801
Type of gen. func.: ogf

$\{a(4 + n) - 12 a(n + 3) + 21 a(n + 2) - 10 a(n + 1), a(0) = 0, a(1) = 1,$

$a(2) = 82, a(3) = 973\}$

Sequence: A160154
Score: 4.30513
Type of gen. func.: ogf

$-(13509 f(x) - 39050)$

$(10 f(x) x^3 - 21 f(x) x^2 + 10 x^3 + 12 f(x) x + 70 x^2 - f(x) + x)$

Sequence: A160154
Score: 8.11824
Type of gen. func.: ogf

$$-\frac{x (10 x^2 + 70 x + 1)}{(10 x - 1) (x - 1)^2}$$

Sequence: A160154
Score: 9.48209
Type of gen. func.: lgdogf

$$-\frac{2 (50 x^3 + 750 x^2 - 30 x - 41)}{(x - 1) (10 x - 1) (10 x^2 + 70 x + 1)}$$

Sequence: A160156
Score: 12.1725
Type of gen. func.: ogf

$$\frac{2 x - 1}{(4 x - 1) (x - 1)^2}$$

Sequence: A160156
Score: 16.6429
Type of gen. func.: lgdogf

$$- \frac{2 (8 x^2 - 7 x + 2)}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A160156
Score: 5.70924
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 9 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 4, a(2) = 15\}$$

Sequence: A160156
Score: 6.08627
Type of gen. func.: ogf

$$(569 f(x) + 96) (4 f(x) x^3 - 9 f(x) x^2 + 6 f(x) x - f(x) - 2 x + 1)$$

Sequence: A160168
Score: 6.85823
Type of gen. func.: ogf

$$\frac{x^{11} + 3 x^{10} + 4 x^9 + 2 x^8 + 4 x^7 + 3 x^6 + 4 x^5 + 5 x^4 + 4 x^3 + x + 2}{(x^4 + 1) (x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A160169
Score: 7.17147
Type of gen. func.: ogf

$$\frac{x^{11} + 5 x^{10} + 4 x^9 + 9 x^8 + 3 x^7 + 2 x^6 + 11 x^5 + 7 x^4 + 3 x^2 + x + 2}{(x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2}$$

Sequence: A160174
Score: 13.7276
Type of gen. func.: lgdogf

$$-\frac{19 x^3 + 415 x^2 + 625 x + 93}{(x - 1) (19 x^3 + 179 x^2 + 89 x + 1)}$$

Sequence: A160174
Score: 5.11668
Type of gen. func.: ogf

$$(115296 f(x) + 10999915) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 19 x^3 - 4 f(x) x - 179 x^2 + f(x) - 89 x - 1)$$

Sequence: A160174
Score: 9.66484
Type of gen. func.: ogf

$$\frac{19 x^3 + 179 x^2 + 89 x + 1}{(x - 1)^4}$$

Sequence: A160175
Score: 14.9609
Type of gen. func.: ogf

$$-\frac{1}{2 x^4 + 2 x^3 + 2 x^2 + 2 x - 1}$$

Sequence: A160175
Score: 14.9949
Type of gen. func.: lgdogf

$$2 (4 x^3 + 3 x^2 + 2 x + 1)$$

$$- \frac{}{2 x^4 + 2 x^3 + 2 x^2 + 2 x - 1}$$

Sequence: A160175
Score: 6.26568
Type of gen. func.: ogf

$$(9 f(x) - 5) (2 f(x) x^4 + 2 f(x) x^3 + 2 f(x) x^2 + 2 f(x) x - f(x) + 1)$$

Sequence: A160176
Score: 7.05239
Type of gen. func.: ogf

$$- \frac{(x - 1) (533 x^4 + 1150 x^3 + 1883 x^2 + 1150 x + 533)}{x^6 - 6 x^3 + 1}$$

Sequence: A160184
Score: 5.46078
Type of gen. func.: ogf

$\{(392 n + 784) a(n + 1) + a(n + 3) - a(n + 2), a(0) = 1, a(1) = 1, a(2) = -391\}$

Sequence: A160184
Score: 52.9592
Type of gen. func.: lgdegf]

$$-1 + 392 x + f(x)$$

Sequence: A160186
Score: 11.4970
Type of gen. func.: lgdogf

$$- \frac{x^7 + 3 x^6 + 8 x^5 + 16 x^3 + 6 x^2 + 5 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^4 + x^3 + 2 x^2 - x + 2)}$$

Sequence: A160186
Score: 11.7192
Type of gen. func.: ogf

$$\frac{x^4 + x^3 + 2 x^2 - x + 2}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A160191
Score: 6.74911
Type of gen. func.: ogf

$$(x^{11} + 5 x^{10} + 4 x^9 + 9 x^8 + 3 x^7 + 6 x^6 + 11 x^5 + 7 x^4 + 4 x^3 + 3 x^2 + x + 2) / ((x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2)$$

Sequence: A160192
Score: 5.50648
Type of gen. func.: ogf

$$\{(-392 n - 784) a(n + 1) - a(n + 3) + 3 a(n + 2), a(0) = 1, a(1) = 3, a(2) = -383\}$$

Sequence: A160192
Score: 53.3951
Type of gen. func.: lgdegf]

$$-3 + 392 x + f(x)$$

Sequence: A160193
Score: 100.377
Type of gen. func.: lgdegf]

$$5 - 392 x$$

Sequence: A160193
Score: 5.57502
Type of gen. func.: ogf

{(392 n + 784) a(n + 1) + a(n + 3) - 5 a(n + 2), a(0) = 1, a(1) = 5,

a(2) = -367}

Sequence: A160194
Score: 5.48363
Type of gen. func.: ogf

{(392 n + 784) a(n + 1) + a(n + 3) - 9 a(n + 2), a(0) = 1, a(1) = 9,

a(2) = -311}

Sequence: A160194
Score: 53.3951
Type of gen. func.: lgdegf]

-9 + 392 x + f(x)

Sequence: A160195
Score: 4.77502
Type of gen. func.: ogf

{(392 n + 784) a(n + 1) + a(n + 3) - 11 a(n + 2), a(0) = 1, a(1) = 11,

a(2) = -271}

Sequence: A160195
Score: 43.7673
Type of gen. func.: lgdegf]

-11 + 392 x + f(x)

Sequence: A160196
Score: 5.48653
Type of gen. func.: ogf

{(392 n + 784) a(n + 1) + a(n + 3) - 13 a(n + 2), a(0) = 1, a(1) = 13,

a(2) = -223}

Sequence: A160196

Score: 50.1883
Type of gen. func.: lgdegf]

$$-13 + 392 x + f(x)$$

Sequence: A160197
Score: 4.75301
Type of gen. func.: ogf

$$\{(392 n + 784) a(n + 1) + a(n + 3) - 15 a(n + 2), a(0) = 1, a(1) = 15, a(2) = -167\}$$

Sequence: A160197
Score: 43.5693
Type of gen. func.: lgdegf]

$$-15 + 392 x + f(x)$$

Sequence: A160200
Score: 7.00800
Type of gen. func.: ogf

$$-\frac{(x - 1) (541 x^4 + 1302 x^3 + 2767 x^2 + 1302 x + 541)}{x^6 - 6 x^3 + 1}$$

Sequence: A160203
Score: 7.04269
Type of gen. func.: ogf

$$-\frac{(x - 1) (641 x^4 + 1450 x^3 + 2555 x^2 + 1450 x + 641)}{x^6 - 6 x^3 + 1}$$

Sequence: A160206
Score: 7.07738
Type of gen. func.: ogf

$$(x - 1) (697 x^4 + 1554 x^3 + 2671 x^2 + 1554 x + 697)$$

$$-\frac{}{x^6 - 6 x^3 + 1}$$

Sequence: A160209
Score: 7.07738
Type of gen. func.: ogf

$$-\frac{(x - 1) (673 x^4 + 1610 x^3 + 3295 x^2 + 1610 x + 673)}{x^6 - 6 x^3 + 1}$$

Sequence: A160212
Score: 7.11207
Type of gen. func.: ogf

$$-\frac{(x - 1) (845 x^4 + 1798 x^3 + 2891 x^2 + 1798 x + 845)}{x^6 - 6 x^3 + 1}$$

Sequence: A160219
Score: 4.70900
Type of gen. func.: ogf

$\{(392 n + 784) a(n + 1) + a(n + 3) - 17 a(n + 2), a(0) = 1, a(1) = 17,$

$a(2) = -103\}$

Sequence: A160219
Score: 43.1732
Type of gen. func.: lgdegf]

$$-17 + 392 x + f(x)$$

Sequence: A160220
Score: 5.55309
Type of gen. func.: ogf

$\{(392 n + 784) a(n + 1) + a(n + 3) - 19 a(n + 2), a(0) = 1, a(1) = 19,$

$a(2) = -31\}$

Sequence: A160220
Score: 50.3907
Type of gen. func.: lgdegf]

$$-19 + 392 x + f(x)$$

Sequence: A160221
Score: 49.9859
Type of gen. func.: lgdegf]

$$-23 + 392 x + f(x)$$

Sequence: A160221
Score: 5.48653
Type of gen. func.: ogf

{(392 n + 784) a(n + 1) + a(n + 3) - 23 a(n + 2), a(0) = 1, a(1) = 23,

a(2) = 137}

Sequence: A160222
Score: 4.77502
Type of gen. func.: ogf

{(392 n + 784) a(n + 1) + a(n + 3) - 25 a(n + 2), a(0) = 1, a(1) = 25,

a(2) = 233}

Sequence: A160222
Score: 43.5693
Type of gen. func.: lgdegf]

$$-25 + 392 x + f(x)$$

Sequence: A160223
Score: 4.75301
Type of gen. func.: ogf

{(392 n + 784) a(n + 1) + a(n + 3) - 27 a(n + 2), a(0) = 1, a(1) = 27,

a(2) = 337}

Sequence: A160223
Score: 43.3712
Type of gen. func.: lgdegf]

$$-27 + 392 x + f(x)$$

Sequence: A160224
Score: 4.62714
Type of gen. func.: ogf

{(1682 n + 3364) a(n + 1) + a(n + 3) - 2 a(n + 2), a(0) = 1, a(1) = 2,

a(2) = -1678}

Sequence: A160224
Score: 42.5551
Type of gen. func.: lgdegf]

$$-2 + 1682 x + f(x)$$

Sequence: A160225
Score: 4.69111
Type of gen. func.: ogf

{(-1682 n - 3364) a(n + 1) - a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 4,

a(2) = -1666}

Sequence: A160225
Score: 43.1354
Type of gen. func.: lgdegf]

$$-4 + 1682 x + f(x)$$

Sequence: A160226
Score: 4.69111
Type of gen. func.: ogf

{(-1682 n - 3364) a(n + 1) - a(n + 3) + 6 a(n + 2), a(0) = 1, a(1) = 6,

```
    a(2) = -1646}


------------------------------------------------------------------------------

Sequence:  A160226
Score: 43.1354
Type of gen. func.: lgdegf]

                               -6 + 1682 x + f(x)


------------------------------------------------------------------------------

Sequence:  A160231
Score: 4.71243
Type of gen. func.: ogf


{(-1682 n - 3364) a(n + 1) - a(n + 3) + 8 a(n + 2), a(0) = 1, a(1) = 8,

    a(2) = -1618}


------------------------------------------------------------------------------

Sequence:  A160231
Score: 43.3288
Type of gen. func.: lgdegf]

                               -8 + 1682 x + f(x)


------------------------------------------------------------------------------

Sequence:  A160236
Score: 4.63937
Type of gen. func.: ogf


{(-1682 n - 3364) a(n + 1) - a(n + 3) + 10 a(n + 2), a(0) = 1, a(1) = 10,

    a(2) = -1582}


------------------------------------------------------------------------------

Sequence:  A160236
Score: 40.4402
Type of gen. func.: lgdegf]

                              -10 + 1682 x + f(x)


------------------------------------------------------------------------------

Sequence:  A160237
Score: 4.63937
Type of gen. func.: ogf


{(-1682 n - 3364) a(n + 1) - a(n + 3) + 12 a(n + 2), a(0) = 1, a(1) = 12,
```

$a(2) = -1538\}$

Sequence: A160237
Score: 40.4402
Type of gen. func.: lgdegf]

$$-12 + 1682 x + f(x)$$

Sequence: A160246
Score: 4.61838
Type of gen. func.: ogf

$$\{(1682 n + 3364) a(n + 1) + a(n + 3) - 14 a(n + 2), a(0) = 1, a(1) = 14, a(2) = -1486\}$$

Sequence: A160246
Score: 40.2597
Type of gen. func.: lgdegf]

$$-14 + 1682 x + f(x)$$

Sequence: A160250
Score: 5.82406
Type of gen. func.: ogf

$$(3165696 f(x) + 364224835) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 43 x^3 - 4 f(x) x - 251 x^2 + f(x) - 89 x - 1)$$

Sequence: A160250
Score: 6.91720
Type of gen. func.: ogf

$$\frac{43 x^3 + 251 x^2 + 89 x + 1}{(x - 1)^4}$$

Sequence: A160251
Score: 4.59739
Type of gen. func.: ogf

{(-1682 n - 3364) a(n + 1) - a(n + 3) + 16 a(n + 2), a(0) = 1, a(1) = 16,

a(2) = -1426}

Sequence: A160251
Score: 40.0791
Type of gen. func.: lgdegf]

-16 + 1682 x + f(x)

Sequence: A160252
Score: 39.8986
Type of gen. func.: lgdegf]

-18 + 1682 x + f(x)

Sequence: A160252
Score: 4.59739
Type of gen. func.: ogf

{(-1682 n - 3364) a(n + 1) - a(n + 3) + 18 a(n + 2), a(0) = 1, a(1) = 18,

a(2) = -1358}

Sequence: A160253
Score: 4.61838
Type of gen. func.: ogf

{(-1682 n - 3364) a(n + 1) - a(n + 3) + 20 a(n + 2), a(0) = 1, a(1) = 20,

a(2) = -1282}

Sequence: A160253
Score: 40.0791
Type of gen. func.: lgdegf]

-20 + 1682 x + f(x)

Sequence: A160259
Score: 4.61838
Type of gen. func.: ogf

{(1682 n + 3364) a(n + 1) + a(n + 3) - 22 a(n + 2), a(0) = 1, a(1) = 22,

a(2) = -1198}

Sequence: A160259
Score: 40.0791
Type of gen. func.: lgdegf]

-22 + 1682 x + f(x)

Sequence: A160260
Score: 4.66036
Type of gen. func.: ogf

{(1682 n + 3364) a(n + 1) + a(n + 3) - 24 a(n + 2), a(0) = 1, a(1) = 24,

a(2) = -1106}

Sequence: A160260
Score: 40.6208
Type of gen. func.: lgdegf]

-24 + 1682 x + f(x)

Sequence: A160261
Score: 4.66036
Type of gen. func.: ogf

{(1682 n + 3364) a(n + 1) + a(n + 3) - 26 a(n + 2), a(0) = 1, a(1) = 26,

a(2) = -1006}

Sequence: A160261
Score: 40.4402
Type of gen. func.: lgdegf]

-26 + 1682 x + f(x)

```
--------------------------------------------------------------------------------

Sequence:  A160263
Score: 4.67562
Type of gen. func.: ogf


{(1682 n + 3364) a(n + 1) + a(n + 3) - 28 a(n + 2), a(0) = 1, a(1) = 28,

    a(2) = -898}



--------------------------------------------------------------------------------

Sequence:  A160263
Score: 40.2597
Type of gen. func.: lgdegf]


                              -28 + 1682 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A160269
Score: 4.67562
Type of gen. func.: ogf


{(1682 n + 3364) a(n + 1) + a(n + 3) - 30 a(n + 2), a(0) = 1, a(1) = 30,

    a(2) = -782}



--------------------------------------------------------------------------------

Sequence:  A160269
Score: 40.2597
Type of gen. func.: lgdegf]


                              -30 + 1682 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A160270
Score: 4.65446
Type of gen. func.: ogf


{(1682 n + 3364) a(n + 1) + a(n + 3) - 32 a(n + 2), a(0) = 1, a(1) = 32,

    a(2) = -658}



--------------------------------------------------------------------------------

Sequence:  A160270
Score: 40.2597
Type of gen. func.: lgdegf]


                              -32 + 1682 x + f(x)
```

Sequence: A160279
Score: 4.65446
Type of gen. func.: ogf

{(1682 n + 3364) a(n + 1) + a(n + 3) - 34 a(n + 2), a(0) = 1, a(1) = 34,

a(2) = -526}

Sequence: A160279
Score: 40.2597
Type of gen. func.: lgdegf]

-34 + 1682 x + f(x)

Sequence: A160280
Score: 4.65446
Type of gen. func.: ogf

{(1682 n + 3364) a(n + 1) + a(n + 3) - 36 a(n + 2), a(0) = 1, a(1) = 36,

a(2) = -386}

Sequence: A160280
Score: 40.4402
Type of gen. func.: lgdegf]

-36 + 1682 x + f(x)

Sequence: A160281
Score: 4.65446
Type of gen. func.: ogf

{(1682 n + 3364) a(n + 1) + a(n + 3) - 38 a(n + 2), a(0) = 1, a(1) = 38,

a(2) = -238}

Sequence: A160281
Score: 40.4402
Type of gen. func.: lgdegf]

-38 + 1682 x + f(x)

```
--------------------------------------------------------------------------------

Sequence:  A160282
Score: 4.71243
Type of gen. func.: ogf


{(1682 n + 3364) a(n + 1) + a(n + 3) - 40 a(n + 2), a(0) = 1, a(1) = 40,

    a(2) = -82}



--------------------------------------------------------------------------------

Sequence:  A160282
Score: 40.4402
Type of gen. func.: lgdegf]


                              -40 + 1682 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A160283
Score: 4.66979
Type of gen. func.: ogf


{(1682 n + 3364) a(n + 1) + a(n + 3) - 42 a(n + 2), a(0) = 1, a(1) = 42,

    a(2) = 82}



--------------------------------------------------------------------------------

Sequence:  A160283
Score: 40.0791
Type of gen. func.: lgdegf]


                              -42 + 1682 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A160284
Score: 4.71793
Type of gen. func.: ogf


{(1682 n + 3364) a(n + 1) + a(n + 3) - 44 a(n + 2), a(0) = 1, a(1) = 44,

    a(2) = 254}



--------------------------------------------------------------------------------

Sequence:  A160284
Score: 40.8013
Type of gen. func.: lgdegf]
```

-44 + 1682 x + f(x)

Sequence: A160285
Score: 4.69677
Type of gen. func.: ogf

{(1682 n + 3364) a(n + 1) + a(n + 3) - 46 a(n + 2), a(0) = 1, a(1) = 46,

a(2) = 434}

Sequence: A160285
Score: 40.6208
Type of gen. func.: lgdegf]

-46 + 1682 x + f(x)

Sequence: A160286
Score: 4.71793
Type of gen. func.: ogf

{(1682 n + 3364) a(n + 1) + a(n + 3) - 48 a(n + 2), a(0) = 1, a(1) = 48,

a(2) = 622}

Sequence: A160286
Score: 40.6208
Type of gen. func.: lgdegf]

-48 + 1682 x + f(x)

Sequence: A160287
Score: 4.73909
Type of gen. func.: ogf

{(1682 n + 3364) a(n + 1) + a(n + 3) - 50 a(n + 2), a(0) = 1, a(1) = 50,

a(2) = 818}

Sequence: A160287
Score: 40.8013
Type of gen. func.: lgdegf]

```
                               -50 + 1682 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A160288
Score: 4.72334
Type of gen. func.: ogf


{(1682 n + 3364) a(n + 1) + a(n + 3) - 52 a(n + 2), a(0) = 1, a(1) = 52,

    a(2) = 1022}



--------------------------------------------------------------------------------

Sequence:  A160288
Score: 41.1624
Type of gen. func.: lgdegf]


                               -52 + 1682 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A160289
Score: 4.72334
Type of gen. func.: ogf


{(1682 n + 3364) a(n + 1) + a(n + 3) - 54 a(n + 2), a(0) = 1, a(1) = 54,

    a(2) = 1234}



--------------------------------------------------------------------------------

Sequence:  A160289
Score: 41.1624
Type of gen. func.: lgdegf]


                               -54 + 1682 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A160290
Score: 4.68136
Type of gen. func.: ogf


{(1682 n + 3364) a(n + 1) + a(n + 3) - 56 a(n + 2), a(0) = 1, a(1) = 56,

    a(2) = 1454}



--------------------------------------------------------------------------------

Sequence:  A160290
Score: 40.8013
Type of gen. func.: lgdegf]
```

```
                                 -56 + 1682 x + f(x)


--------------------------------------------------------------------------------

Sequence:  A160291
Score: 5.55218
Type of gen. func.: ogf


{(450 n + 900) a(n + 1) + a(n + 3) - a(n + 2), a(0) = 1, a(1) = 1, a(2) = -449}



--------------------------------------------------------------------------------

Sequence:  A160291
Score: 53.8310
Type of gen. func.: lgdegf]


                                  -1 + 450 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A160292
Score: 100.781
Type of gen. func.: lgdegf]


                                      7 - 450 x



--------------------------------------------------------------------------------

Sequence:  A160292
Score: 5.59787
Type of gen. func.: ogf


{(450 n + 900) a(n + 1) + a(n + 3) - 7 a(n + 2), a(0) = 1, a(1) = 7,

    a(2) = -401}



--------------------------------------------------------------------------------

Sequence:  A160293
Score: 5.55399
Type of gen. func.: ogf


{(450 n + 900) a(n + 1) + a(n + 3) - 11 a(n + 2), a(0) = 1, a(1) = 11,

    a(2) = -329}



--------------------------------------------------------------------------------

Sequence:  A160293
Score: 50.7954
Type of gen. func.: lgdegf]
```

```
                                -11 + 450 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A160294
Score: 4.79702
Type of gen. func.: ogf


{(450 n + 900) a(n + 1) + a(n + 3) - 13 a(n + 2), a(0) = 1, a(1) = 13,

    a(2) = -281}



--------------------------------------------------------------------------------

Sequence:  A160294
Score: 43.9654
Type of gen. func.: lgdegf]


                                -13 + 450 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A160295
Score: 4.75301
Type of gen. func.: ogf


{(450 n + 900) a(n + 1) + a(n + 3) - 17 a(n + 2), a(0) = 1, a(1) = 17,

    a(2) = -161}



--------------------------------------------------------------------------------

Sequence:  A160295
Score: 43.3712
Type of gen. func.: lgdegf]


                                -17 + 450 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A160296
Score: 4.87976
Type of gen. func.: ogf


{(450 n + 900) a(n + 1) + a(n + 3) - 19 a(n + 2), a(0) = 1, a(1) = 19,

    a(2) = -89}



--------------------------------------------------------------------------------

Sequence:  A160296
Score: 44.3614
Type of gen. func.: lgdegf]
```

-19 + 450 x + f(x)

Sequence: A160297
Score: 4.83540
Type of gen. func.: ogf

{(450 n + 900) a(n + 1) + a(n + 3) - 23 a(n + 2), a(0) = 1, a(1) = 23,

a(2) = 79}

Sequence: A160297
Score: 43.7673
Type of gen. func.: lgdegf]

-23 + 450 x + f(x)

Sequence: A160298
Score: 4.84103
Type of gen. func.: ogf

{(450 n + 900) a(n + 1) + a(n + 3) - 29 a(n + 2), a(0) = 1, a(1) = 29,

a(2) = 391}

Sequence: A160298
Score: 44.1634
Type of gen. func.: lgdegf]

-29 + 450 x + f(x)

Sequence: A160299
Score: 4.77640
Type of gen. func.: ogf

{(1922 n + 3844) a(n + 1) + a(n + 3) - 2 a(n + 2), a(0) = 1, a(1) = 2,

a(2) = -1918}

Sequence: A160299
Score: 43.9091

Type of gen. func.: lgdegf]

-2 + 1922 x + f(x)

Sequence: A160300
Score: 4.79772
Type of gen. func.: ogf

{(-1922 n - 3844) a(n + 1) - a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 4,

a(2) = -1906}

Sequence: A160300
Score: 44.1025
Type of gen. func.: lgdegf]

-4 + 1922 x + f(x)

Sequence: A160301
Score: 4.79772
Type of gen. func.: ogf

{(-1922 n - 3844) a(n + 1) - a(n + 3) + 6 a(n + 2), a(0) = 1, a(1) = 6,

a(2) = -1886}

Sequence: A160301
Score: 44.1025
Type of gen. func.: lgdegf]

-6 + 1922 x + f(x)

Sequence: A160302
Score: 4.77640
Type of gen. func.: ogf

{(-1922 n - 3844) a(n + 1) - a(n + 3) + 8 a(n + 2), a(0) = 1, a(1) = 8,

a(2) = -1858}

Sequence: A160302

```
Score: 43.9091
Type of gen. func.: lgdegf]


                                -8 + 1922 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A160303
Score: 4.70235
Type of gen. func.: ogf


{(-1922 n - 3844) a(n + 1) - a(n + 3) + 10 a(n + 2), a(0) = 1, a(1) = 10,

    a(2) = -1822}



--------------------------------------------------------------------------------

Sequence:  A160303
Score: 40.9818
Type of gen. func.: lgdegf]


                               -10 + 1922 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A160304
Score: 4.70235
Type of gen. func.: ogf


{(-1922 n - 3844) a(n + 1) - a(n + 3) + 12 a(n + 2), a(0) = 1, a(1) = 12,

    a(2) = -1778}



--------------------------------------------------------------------------------

Sequence:  A160304
Score: 40.9818
Type of gen. func.: lgdegf]


                               -12 + 1922 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A160305
Score: 4.68136
Type of gen. func.: ogf


{(1922 n + 3844) a(n + 1) + a(n + 3) - 14 a(n + 2), a(0) = 1, a(1) = 14,

    a(2) = -1726}



--------------------------------------------------------------------------------
```

Sequence: A160305
Score: 40.8013
Type of gen. func.: lgdegf]

$$-14 + 1922 x + f(x)$$

Sequence: A160306
Score: 4.68136
Type of gen. func.: ogf

{(-1922 n - 3844) a(n + 1) - a(n + 3) + 16 a(n + 2), a(0) = 1, a(1) = 16,

a(2) = -1666}

Sequence: A160306
Score: 40.8013
Type of gen. func.: lgdegf]

$$-16 + 1922 x + f(x)$$

Sequence: A160307
Score: 4.63937
Type of gen. func.: ogf

{(1922 n + 3844) a(n + 1) + a(n + 3) - 18 a(n + 2), a(0) = 1, a(1) = 18,

a(2) = -1598}

Sequence: A160307
Score: 40.4402
Type of gen. func.: lgdegf]

$$-18 + 1922 x + f(x)$$

Sequence: A160308
Score: 4.68136
Type of gen. func.: ogf

{(-1922 n - 3844) a(n + 1) - a(n + 3) + 20 a(n + 2), a(0) = 1, a(1) = 20,

a(2) = -1522}

Sequence: A160308
Score: 40.8013
Type of gen. func.: lgdegf]

-20 + 1922 x + f(x)

Sequence: A160309
Score: 4.72334
Type of gen. func.: ogf

{(-1922 n - 3844) a(n + 1) - a(n + 3) + 22 a(n + 2), a(0) = 1, a(1) = 22,

a(2) = -1438}

Sequence: A160309
Score: 40.9818
Type of gen. func.: lgdegf]

-22 + 1922 x + f(x)

Sequence: A160310
Score: 4.70235
Type of gen. func.: ogf

{(-1922 n - 3844) a(n + 1) - a(n + 3) + 24 a(n + 2), a(0) = 1, a(1) = 24,

a(2) = -1346}

Sequence: A160310
Score: 40.9818
Type of gen. func.: lgdegf]

-24 + 1922 x + f(x)

Sequence: A160311
Score: 4.70235
Type of gen. func.: ogf

{(1922 n + 3844) a(n + 1) + a(n + 3) - 26 a(n + 2), a(0) = 1, a(1) = 26,

a(2) = -1246}

Sequence: A160311
Score: 40.9818
Type of gen. func.: lgdegf]

-26 + 1922 x + f(x)

Sequence: A160312
Score: 4.74433
Type of gen. func.: ogf

{(1922 n + 3844) a(n + 1) + a(n + 3) - 28 a(n + 2), a(0) = 1, a(1) = 28,

a(2) = -1138}

Sequence: A160312
Score: 41.1624
Type of gen. func.: lgdegf]

-28 + 1922 x + f(x)

Sequence: A160313
Score: 4.76533
Type of gen. func.: ogf

{(1922 n + 3844) a(n + 1) + a(n + 3) - 30 a(n + 2), a(0) = 1, a(1) = 30,

a(2) = -1022}

Sequence: A160313
Score: 41.3429
Type of gen. func.: lgdegf]

-30 + 1922 x + f(x)

Sequence: A160314
Score: 4.76024
Type of gen. func.: ogf

{(1922 n + 3844) a(n + 1) + a(n + 3) - 32 a(n + 2), a(0) = 1, a(1) = 32,

a(2) = -898}

Sequence: A160314
Score: 40.9818
Type of gen. func.: lgdegf]

-32 + 1922 x + f(x)

Sequence: A160315
Score: 4.78140
Type of gen. func.: ogf

{(1922 n + 3844) a(n + 1) + a(n + 3) - 34 a(n + 2), a(0) = 1, a(1) = 34,

a(2) = -766}

Sequence: A160315
Score: 41.3429
Type of gen. func.: lgdegf]

-34 + 1922 x + f(x)

Sequence: A160316
Score: 4.80255
Type of gen. func.: ogf

{(1922 n + 3844) a(n + 1) + a(n + 3) - 36 a(n + 2), a(0) = 1, a(1) = 36,

a(2) = -626}

Sequence: A160316
Score: 41.5234
Type of gen. func.: lgdegf]

-36 + 1922 x + f(x)

Sequence: A160317
Score: 4.76024
Type of gen. func.: ogf

{(1922 n + 3844) a(n + 1) + a(n + 3) - 38 a(n + 2), a(0) = 1, a(1) = 38,

a(2) = -478}

Sequence: A160317
Score: 41.3429
Type of gen. func.: lgdegf]

-38 + 1922 x + f(x)

Sequence: A160328
Score: 4.73909
Type of gen. func.: ogf

{(1922 n + 3844) a(n + 1) + a(n + 3) - 40 a(n + 2), a(0) = 1, a(1) = 40,

    a(2) = -322}

Sequence: A160328
Score: 41.1624
Type of gen. func.: lgdegf]

-40 + 1922 x + f(x)

Sequence: A160329
Score: 4.76024
Type of gen. func.: ogf

{(1922 n + 3844) a(n + 1) + a(n + 3) - 42 a(n + 2), a(0) = 1, a(1) = 42,

    a(2) = -158}

Sequence: A160329
Score: 41.1624
Type of gen. func.: lgdegf]

-42 + 1922 x + f(x)

Sequence: A160330
Score: 4.77640
Type of gen. func.: ogf

{(1922 n + 3844) a(n + 1) + a(n + 3) - 44 a(n + 2), a(0) = 1, a(1) = 44,

    a(2) = 14}

Sequence: A160330
Score: 40.8013
Type of gen. func.: lgdegf]

$$-44 + 1922 x + f(x)$$

Sequence: A160333
Score: 8.30255
Type of gen. func.: ogf

$$-\frac{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}{x^9 + x^7 + x^5 + x^3 - x^2 + x - 1}$$

Sequence: A160334
Score: 4.76024
Type of gen. func.: ogf

{(1922 n + 3844) a(n + 1) + a(n + 3) - 46 a(n + 2), a(0) = 1, a(1) = 46,

a(2) = 194}

Sequence: A160334
Score: 41.1624
Type of gen. func.: lgdegf]

$$-46 + 1922 x + f(x)$$

Sequence: A160335
Score: 4.76024
Type of gen. func.: ogf

{(1922 n + 3844) a(n + 1) + a(n + 3) - 48 a(n + 2), a(0) = 1, a(1) = 48,

a(2) = 382}

Sequence: A160335
Score: 41.1624
Type of gen. func.: lgdegf]

$$-48 + 1922 x + f(x)$$

Sequence: A160336
Score: 4.73909
Type of gen. func.: ogf

$$\{(1922 n + 3844) a(n + 1) + a(n + 3) - 50 a(n + 2), a(0) = 1, a(1) = 50, a(2) = 578\}$$

Sequence: A160336
Score: 40.9818
Type of gen. func.: lgdegf]

$$-50 + 1922 x + f(x)$$

Sequence: A160338
Score: 15.7348
Type of gen. func.: ogf

$$\frac{x^{103} + x^{102} - 1}{x^{102} + x - 1}$$

Sequence: A160338
Score: 23.7238
Type of gen. func.: lgdogf

$$\frac{104 x^{102} + 104 x^{101} - 1}{104 x^{101} + x - 1}$$

Sequence: A160338
Score: 76.0965
Type of gen. func.: ogf_with_Euler_transform]

[1]

Sequence: A160343
Score: 2.06978
Type of gen. func.: ogf

$$-(f(x)\, x + 10\, f(x) - 21\, x - 10)\, (f(x)\, x^2 - 2\, f(x)\, x + f(x) - 1)^2$$

Sequence: A160344
Score: 4.80255
Type of gen. func.: ogf

{(1922 n + 3844) a(n + 1) + a(n + 3) - 52 a(n + 2), a(0) = 1, a(1) = 52,

a(2) = 782}

Sequence: A160344
Score: 41.3429
Type of gen. func.: lgdegf]

$$-52 + 1922\, x + f(x)$$

Sequence: A160345
Score: 4.78140
Type of gen. func.: ogf

{(1922 n + 3844) a(n + 1) + a(n + 3) - 54 a(n + 2), a(0) = 1, a(1) = 54,

a(2) = 994}

Sequence: A160345
Score: 41.1624
Type of gen. func.: lgdegf]

$$-54 + 1922\, x + f(x)$$

Sequence: A160346
Score: 4.78632
Type of gen. func.: ogf

{(1922 n + 3844) a(n + 1) + a(n + 3) - 56 a(n + 2), a(0) = 1, a(1) = 56,

a(2) = 1214}

Sequence: A160346
Score: 41.7040
Type of gen. func.: lgdegf]

-56 + 1922 x + f(x)

Sequence: A160347
Score: 4.76533
Type of gen. func.: ogf

{(1922 n + 3844) a(n + 1) + a(n + 3) - 58 a(n + 2), a(0) = 1, a(1) = 58,

a(2) = 1442}

Sequence: A160347
Score: 41.5234
Type of gen. func.: lgdegf]

-58 + 1922 x + f(x)

Sequence: A160349
Score: 4.76533
Type of gen. func.: ogf

{(1922 n + 3844) a(n + 1) + a(n + 3) - 60 a(n + 2), a(0) = 1, a(1) = 60,

a(2) = 1678}

Sequence: A160349
Score: 41.5234
Type of gen. func.: lgdegf]

-60 + 1922 x + f(x)

Sequence: A160361
Score: 101.591
Type of gen. func.: lgdegf]

1 - 512 x

```
------------------------------------------------------------------------------

Sequence:  A160361
Score: 5.59842
Type of gen. func.: ogf


{(512 n + 1024) a(n + 1) + a(n + 3) - a(n + 2), a(0) = 1, a(1) = 1, a(2) = -511

    }



------------------------------------------------------------------------------

Sequence:  A160362
Score: 102.805
Type of gen. func.: lgdegf]


                                   3 - 512 x



------------------------------------------------------------------------------

Sequence:  A160362
Score: 5.66642
Type of gen. func.: ogf


{(512 n + 1024) a(n + 1) + a(n + 3) - 3 a(n + 2), a(0) = 1, a(1) = 3,

    a(2) = -503}



------------------------------------------------------------------------------

Sequence:  A160363
Score: 102.805
Type of gen. func.: lgdegf]


                                   5 - 512 x



------------------------------------------------------------------------------

Sequence:  A160363
Score: 5.66642
Type of gen. func.: ogf


{(-512 n - 1024) a(n + 1) - a(n + 3) + 5 a(n + 2), a(0) = 1, a(1) = 5,

    a(2) = -487}



------------------------------------------------------------------------------

Sequence:  A160367
Score: 2.04192
Type of gen. func.: ogf


                                     2      3
                          (f(x) - 1)  (-2 x  + f(x) - 1)
```

Sequence: A160368
Score: 3.02747
Type of gen. func.: ogf

$$(f(x) - 1)^2 (-48 x^3 + f(x) - 1)$$

Sequence: A160372
Score: 6.82616
Type of gen. func.: ogf

$$-\frac{4 (3 x^4 - 14 x^3 + 28 x^2 + 70 x + 105)}{(x - 1)^5}$$

Sequence: A160372
Score: 9.99660
Type of gen. func.: lgdogf

$$-\frac{3 x^4 - 16 x^3 + 42 x^2 + 336 x + 595}{(x - 1) (3 x^4 - 14 x^3 + 28 x^2 + 70 x + 105)}$$

Sequence: A160374
Score: 4.92412
Type of gen. func.: ogf

{(512 n + 1024) a(n + 1) + a(n + 3) - 7 a(n + 2), a(0) = 1, a(1) = 7,

a(2) = -463}

Sequence: A160374
Score: 48.2004
Type of gen. func.: lgdegf]

$$-7 + 512 x + f(x)$$

Sequence: A160376
Score: 4.90194
Type of gen. func.: ogf

$$\{(512 n + 1024) a(n + 1) + a(n + 3) - 9 a(n + 2), a(0) = 1, a(1) = 9, a(2) = -431\}$$

Sequence: A160376
Score: 47.9871
Type of gen. func.: lgdegf]

$$-9 + 512 x + f(x)$$

Sequence: A160378
Score: 10.6924
Type of gen. func.: ogf

$$\frac{x^2 (x + 5)}{(x - 1)^4}$$

Sequence: A160378
Score: 36.5199
Type of gen. func.: lgdogf

$$-\frac{3 (x + 7)}{(x + 5) (x - 1)}$$

Sequence: A160378
Score: 4.95152
Type of gen. func.: ogf

$$\{(5 + 5 n) a(n + 3) + (-21 - 4 n) a(n + 2) + (-n - 2) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 5\}$$

Sequence: A160378
Score: 5.1956
Type of gen. func.: ogf

$$-(65664 f(x) + 117181)$$

$$(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - x^3 - 4\,f(x)\,x - 5\,x^2 + f(x))$$

Sequence: A160379
Score: 5.65014
Type of gen. func.: ogf

$$\frac{x\,(18\,x^3 + x^2 + 26\,x + 1)\,(x^4 + 4\,x^2 + 1)}{(x + 1)^3\,(x - 1)^4}$$

Sequence: A160379
Score: 7.60893
Type of gen. func.: lgdogf

$$-\frac{19\,x^7 + 323\,x^6 + 119\,x^5 + 983\,x^4 + 167\,x^3 + 527\,x^2 + 43\,x + 27}{(x - 1)\,(x + 1)\,(18\,x^3 + x^2 + 26\,x + 1)\,(x^4 + 4\,x^2 + 1)}$$

Sequence: A160391
Score: 4.82474
Type of gen. func.: ogf

$\{(512\,n + 1024)\,a(n + 1) + a(n + 3) - 11\,a(n + 2),\ a(0) = 1,\ a(1) = 11,$

$a(2) = -391\}$

Sequence: A160391
Score: 44.3614
Type of gen. func.: lgdegf]

$$-11 + 512\,x + f(x)$$

Sequence: A160396
Score: 4.82474
Type of gen. func.: ogf

$\{(512\,n + 1024)\,a(n + 1) + a(n + 3) - 13\,a(n + 2),\ a(0) = 1,\ a(1) = 13,$

$a(2) = -343\}$

```
--------------------------------------------------------------------------------

Sequence:  A160396
Score: 44.5595
Type of gen. func.: lgdegf]

                               -13 + 512 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A160397
Score: 4.89024
Type of gen. func.: ogf


{(512 n + 1024) a(n + 1) + a(n + 3) - 15 a(n + 2), a(0) = 1, a(1) = 15,

    a(2) = -287}



--------------------------------------------------------------------------------

Sequence:  A160397
Score: 44.9556
Type of gen. func.: lgdegf]

                               -15 + 512 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A160398
Score: 4.84657
Type of gen. func.: ogf


{(512 n + 1024) a(n + 1) + a(n + 3) - 17 a(n + 2), a(0) = 1, a(1) = 17,

    a(2) = -223}



--------------------------------------------------------------------------------

Sequence:  A160398
Score: 44.7575
Type of gen. func.: lgdegf]

                               -17 + 512 x + f(x)



--------------------------------------------------------------------------------

Sequence:  A160411
Score: 7.87856
Type of gen. func.: ogf


                           2           3    2
                         (x  + 1) (4 x  + x  + 8 x + 1)
                         ------------------------------
```

$$(x - 1)^2 (x + 1)^2$$

Sequence: A160413
Score: 5.06281
Type of gen. func.: ogf

$$-(36190 f(x) + 23731) (f(x) x^4 - x^4 - 2 f(x) x^2 - 3 x^2 + f(x) - x - 2)$$

Sequence: A160413
Score: 8.80151
Type of gen. func.: ogf

$$\frac{x^4 + 3 x^2 + x + 2}{(x - 1)^2 (x + 1)^2}$$

Sequence: A160431
Score: 4.86841
Type of gen. func.: ogf

$$\{(512 n + 1024) a(n + 1) + a(n + 3) - 19 a(n + 2), a(0) = 1, a(1) = 19, a(2) = -151\}$$

Sequence: A160431
Score: 44.7575
Type of gen. func.: lgdegf]

$$-19 + 512 x + f(x)$$

Sequence: A160435
Score: 4.81902
Type of gen. func.: ogf

$$\{(512 n + 1024) a(n + 1) + a(n + 3) - 21 a(n + 2), a(0) = 1, a(1) = 21, a(2) = -71\}$$

Sequence: A160435
Score: 44.1634
Type of gen. func.: lgdegf]

$$-21 + 512 x + f(x)$$

Sequence: A160436
Score: 5.64394
Type of gen. func.: ogf

{(512 n + 1024) a(n + 1) + a(n + 3) - 23 a(n + 2), a(0) = 1, a(1) = 23,

a(2) = 17}

Sequence: A160436
Score: 51.4025
Type of gen. func.: lgdegf]

$$-23 + 512 x + f(x)$$

Sequence: A160437
Score: 4.89024
Type of gen. func.: ogf

{(512 n + 1024) a(n + 1) + a(n + 3) - 25 a(n + 2), a(0) = 1, a(1) = 25,

a(2) = 113}

Sequence: A160437
Score: 44.9556
Type of gen. func.: lgdegf]

$$-25 + 512 x + f(x)$$

Sequence: A160441
Score: 4.89024
Type of gen. func.: ogf

{(512 n + 1024) a(n + 1) + a(n + 3) - 27 a(n + 2), a(0) = 1, a(1) = 27,

a(2) = 217}

Sequence: A160441
Score: 44.7575
Type of gen. func.: lgdegf]

$$-27 + 512 x + f(x)$$

Sequence: A160442
Score: 4.86841
Type of gen. func.: ogf

{(512 n + 1024) a(n + 1) + a(n + 3) - 29 a(n + 2), a(0) = 1, a(1) = 29,

a(2) = 329}

Sequence: A160442
Score: 44.7575
Type of gen. func.: lgdegf]

$$-29 + 512 x + f(x)$$

Sequence: A160443
Score: 4.89024
Type of gen. func.: ogf

{(512 n + 1024) a(n + 1) + a(n + 3) - 31 a(n + 2), a(0) = 1, a(1) = 31,

a(2) = 449}

Sequence: A160443
Score: 44.9556
Type of gen. func.: lgdegf]

$$-31 + 512 x + f(x)$$

Sequence: A160444
Score: 12.3120
Type of gen. func.: ogf

$$\frac{x (x^2 - x - 1)}{2 x^4 + 2 x^2 - 1}$$

Sequence: A160444
Score: 13.2150
Type of gen. func.: lgdogf

$$-\frac{(2x+1)(2x^4-4x^3-2x^2-1)}{(x^2-x-1)(2x^4+2x^2-1)}$$

Sequence: A160444
Score: 7.66357
Type of gen. func.: ogf

$$(20 f(x) + 7)(2 f(x) x^4 + 2 f(x) x^2 - x^3 + x^2 - f(x) + x)$$

Sequence: A160445
Score: 46.7379
Type of gen. func.: lgdegf]

$$-40 + 882 x + f(x)$$

Sequence: A160445
Score: 5.10855
Type of gen. func.: ogf

{(882 n + 1764) a(n + 1) + a(n + 3) - 40 a(n + 2), a(0) = 1, a(1) = 40,

a(2) = 718}

Sequence: A160450
Score: 4.87258
Type of gen. func.: ogf

$$(25877880 f(x) + 452871863)(2304 f(x) x^4 - 1728 f(x) x^3 + 428 f(x) x^2 + 584 x^3 - 39 f(x) x - 276 x^2 + f(x) + 34 x - 1)$$

Sequence: A160450

Score: 8.88843
Type of gen. func.: ogf

$$-\frac{584x^3-276x^2+34x-1}{(4x-1)(3x-1)(24x-1)(8x-1)}$$

Sequence: A160451
Score: 3.76520
Type of gen. func.: ogf

$$-\frac{8(15x^8-13x^7-61x^6+52x^5+95x^4-65x^3+41x^2+134x+126)}{(x+1)^4(x-1)^5}$$

Sequence: A160454
Score: 3.79831
Type of gen. func.: ogf

$$-\frac{249792x^5-159200x^4+36984x^3-3746x^2+148x-1}{(12x-1)(6x-1)(4x-1)(8x-1)(5x-1)(120x-1)}$$

Sequence: A160457
Score: 15.1096
Type of gen. func.: ogf

$$-\frac{5x^2-5x+2}{(x-1)^3}$$

Sequence: A160457
Score: 30.1886
Type of gen. func.: lgdogf

$$-\frac{5x^2+1}{(x-1)(5x^2-5x+2)}$$

Sequence: A160457
Score: 8.01467
Type of gen. func.: ogf

$$-(4 f(x) - 3) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 5 x^2 - f(x) - 5 x + 2)$$

Sequence: A160457
Score: 8.22934
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2, a(1) = 1, a(2) = 2\}$$

Sequence: A160458
Score: 10.2164
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{8 x^4 + 10 x^3 + 10 x^2 + 10 x + 10}{x^5 - 1}$$

Sequence: A160461
Score: 12.6252
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{x^5 - 1}$$

Sequence: A160462
Score: 12.3070
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^4 + 3 x^3 + 3 x^2 + 3 x + 3}{x^5 - 1}$$

Sequence: A160463
Score: 11.8902

Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^4 + 4 x^3 + 4 x^2 + 4 x + 4}{x^5 - 1}$$

Sequence: A160470
Score: 2.82709
Type of gen. func.: ogf

$$\{(-6 n^2 - 57 n - 135) a(n + 1) + (-40 n^2 - 497 n - 1569) a(n + 2) + (20 n + 60) a(n + 3), a(0) = 4, a(1) = 147, a(2) = 4095\}$$

Sequence: A160470
Score: 6.21849
Type of gen. func.: lgdegf]

$$-\frac{21 (5 x^4 + 320 x^3 + 1080 x^2 + 608 x + 56)}{(2 x - 1) (15 x^4 + 740 x^3 + 1860 x^2 + 696 x + 32)}$$

Sequence: A160483
Score: 14.0320
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 + 4 x^2 + 5 x + 18)}{(x + 1) (2 x^3 + 7 x^2 + 8 x + 11)}$$

Sequence: A160483
Score: 4.32891
Type of gen. func.: ogf

$$(1888 f(x) - 18007) (f(x) x^4 + 4 f(x) x^3 + 6 f(x) x^2 + 2 x^3 + 4 f(x) x + 7 x^2 + f(x) + 8 x + 11)$$

Sequence: A160483
Score: 8.04733
Type of gen. func.: ogf

$$-\frac{2x^3+7x^2+8x+11}{(x+1)^4}$$

Sequence: A160484
Score: 4.35010
Type of gen. func.: ogf

$$-\frac{24x^6+162x^5+467x^4+744x^3+786x^2+30x+299}{(x+1)^7}$$

Sequence: A160505
Score: 8.09358
Type of gen. func.: ogf

$$-\frac{180x^5+36x^4+18x^3+6x^2+3x+1}{360x^6-1}$$

Sequence: A160517
Score: 20.4072
Type of gen. func.: lgdogf

$$-\frac{2(1+3x)}{(x-1)(x+1)}$$

Sequence: A160517
Score: 22.7694
Type of gen. func.: ogf_with_Euler_transform]

$$[2+2x]$$

Sequence: A160517
Score: 3.52533

Type of gen. func.: ogf

{(n + 3) a(n + 3) - 2 a(n + 2) + (-7 - n) a(n + 1), a(0) = 10, a(1) = 20,

a(2) = 50}

Sequence: A160517
Score: 7.31773
Type of gen. func.: ogf

$$\frac{10}{(x+1)^2 (x-1)^4}$$

Sequence: A160529
Score: 10.0634
Type of gen. func.: lgdogf

$$-\frac{38 x^6 + 22 x^5 + 36 x^4 + 29 x^3 + 63 x^2 + 7 x + 5}{(x-1) (x+1) (19 x^3 + x^2 + 4 x + 1) (x^2 + 1)}$$

Sequence: A160529
Score: 12.0185
Type of gen. func.: ogf

$$\frac{19 x^3 + x^2 + 4 x + 1}{(x+1) (x^2 + 1) (x-1)^2}$$

Sequence: A160534
Score: 10.7345
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-6 x^6 - 7 x^5 - 7 x^4 - 7 x^3 - 7 x^2 - 7 x - 7}{x^7 - 1}$$

Sequence: A160536

Score: 10.9679
Type of gen. func.: lgdogf

$$-\frac{4x^5+x^4+14x^3-10x^2-8x+5}{(x-1)(x^2+x-1)(2x^3-x^2+3x-2)}$$

Sequence: A160536
Score: 8.25610
Type of gen. func.: ogf

$$-\frac{x(2x^3-x^2+3x-2)}{(x^2+x-1)(x-1)^3}$$

Sequence: A160538
Score: 10.2581
Type of gen. func.: lgdogf

$$-\frac{3(9+x)(x+1)}{(x-1)(x^2+7x+4)}$$

Sequence: A160538
Score: 7.76274
Type of gen. func.: ogf

$$-\frac{8x(x^2+7x+4)}{(x-1)^5}$$

Sequence: A160542
Score: 26.2009
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{10}+x^9+2$$

Sequence: A160542

Score: 6.16375
Type of gen. func.: ogf

$$\frac{x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A160543
Score: 24.0289
Type of gen. func.: ogf_with_Euler_transform]

$$2 - x^{15} (x - 1)$$

Sequence: A160543
Score: 4.50503
Type of gen. func.: ogf

$$(x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) / ((x + 1) (x^2 + 1) (x^4 + 1) (x^8 + 1) (x - 1)^2)$$

Sequence: A160544
Score: 26.3283
Type of gen. func.: ogf_with_Euler_transform]

$$2 - x^{17} (x - 1)$$

Sequence: A160545
Score: 6.04784
Type of gen. func.: ogf

$$(x^{12} + x^{11} + 2 x^{10} + x^9 + 3 x^8 + 2 x^7 + x^6 + 2 x^5 + 3 x^4 + x^3 + 2 x^2 + x + 1) / ((x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2)$$

Sequence: A160551

Score: 4.93372
Type of gen. func.: ogf

$$(4974617600 f(x) + 1290416831093) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 60 x^3 - 4 f(x) x - 501 x^2 + f(x) - 238 x - 1)$$

Sequence: A160551
Score: 4.97520
Type of gen. func.: ogf

$$\frac{60 x^3 + 501 x^2 + 238 x + 1}{(x - 1)^4}$$

Sequence: A160551
Score: 6.48832
Type of gen. func.: lgdogf

$$- \frac{2 (30 x^3 + 591 x^2 + 858 x + 121)}{(x - 1) (60 x^3 + 501 x^2 + 238 x + 1)}$$

Sequence: A160565
Score: 10.0109
Type of gen. func.: ogf

$$2 f(x)^2 x^3 + f(x) x^2 - f(x) + 1$$

Sequence: A160565
Score: 14.5086
Type of gen. func.: revogf

$$\frac{-1 + (8 x^3 + 4 x^2 + 1)^{1/2}}{2 x (2 x + 1)}$$

Sequence: A160568

Score: 11.9245
Type of gen. func.: ogf

$$-3 f(x)^2 x^3 - f(x) x^2 + f(x) - 1$$

Sequence: A160568
Score: 16.9060
Type of gen. func.: revogf

$$\frac{-1 + (12 x^3 + 4 x^2 + 1)^{1/2}}{2 x (1 + 3 x)}$$

Sequence: A160572
Score: 11.9361
Type of gen. func.: lgdogf

$$- \frac{x (2 x^5 - 4 x^4 - 2 x^3 + 8 x^2 + 3 x + 2)}{(2 x^4 + 2 x^2 - 1) (x^3 - x^2 + 1)}$$

Sequence: A160572
Score: 12.3120
Type of gen. func.: ogf

$$- \frac{x^3 - x^2 + 1}{2 x^4 + 2 x^2 - 1}$$

Sequence: A160572
Score: 7.15267
Type of gen. func.: ogf

$$-(268 f(x) - 253) (2 f(x) x^4 + 2 f(x) x^2 + x^3 - x^2 - f(x) + 1)$$

Sequence: A160574
Score: 7.27352
Type of gen. func.: ogf

$$-\frac{(x-1)(233x^4+546x^3+1039x^2+546x+233)}{x^6-6x^3+1}$$

Sequence: A160577
Score: 7.38100
Type of gen. func.: ogf

$$-\frac{(x-1)(305x^4+714x^3+1355x^2+714x+305)}{x^6-6x^3+1}$$

Sequence: A160580
Score: 7.41683
Type of gen. func.: ogf

$$-\frac{(x-1)(325x^4+782x^3+1659x^2+782x+325)}{x^6-6x^3+1}$$

Sequence: A160583
Score: 8.44814
Type of gen. func.: ogf

$$-\frac{(x-1)(445x^4+966x^3+1595x^2+966x+445)}{x^6-6x^3+1}$$

Sequence: A160590
Score: 8.51130
Type of gen. func.: ogf

$$-\frac{5x^8+2x^7+x^6-4x^5+3x^4-4x^3+3x^2+2x+1}{(x-1)(x^2+1)(x^8-x^6+x^4-x^2+1)}$$

Sequence: A160642
Score: 6.67420
Type of gen. func.: lgdogf

$$(42 x^{23} - 126 x^{22} + 126 x^{21} - 42 x^{20} + 10 x^{7} - 22 x^{6} + 9 x^{5} + 5 x^{4} + x^{3} - 3 x^{2} + 2) \Big/ ((x - 1) (2 x^{23} - 4 x^{22} + 2 x^{21} + 2 x^{7} - 2 x^{6} - x^{5} + x^{3} - x^{2} + 2 x - 2))$$

Sequence: A160642
Score: 8.01876
Type of gen. func.: ogf

$$- \frac{2 x^{23} - 4 x^{22} + 2 x^{21} + 2 x^{7} - 2 x^{6} - x^{5} + x^{3} - x^{2} + 2 x - 2}{(x - 1)^{2}}$$

Sequence: A160674
Score: 10.1155
Type of gen. func.: ogf

$$\frac{(x + 1) (x^{2} + 58 x + 1)}{(x - 1)^{4}}$$

Sequence: A160674
Score: 16.3498
Type of gen. func.: lgdogf

$$- \frac{x^{3} + 121 x^{2} + 295 x + 63}{(x - 1) (x + 1) (x^{2} + 58 x + 1)}$$

Sequence: A160674
Score: 4.16211
Type of gen. func.: ogf

$\{(28 n^{2} + 137 n + 162) a(n + 1) + (-56 n^{2} - 280 n - 525) a(n + 2)$

$+ (28 n^2 + 143 n + 177) a(n + 3), a(0) = 1, a(1) = 63, a(2) = 305\}$

Sequence: A160674
Score: 5.36325
Type of gen. func.: ogf

$(29970 f(x) + 1456081)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 59 x^2 + f(x) - 59 x - 1)$$

Sequence: A160682
Score: 14.9142
Type of gen. func.: ogf

$$- \frac{x - 1}{x^2 - 15 x + 1}$$

Sequence: A160682
Score: 15.6809
Type of gen. func.: revogf

$$- \frac{-15 x - 1 + (221 x^2 + 26 x + 1)^{1/2}}{2 (x + 1)}$$

Sequence: A160682
Score: 21.0711
Type of gen. func.: lgdogf

$$- \frac{x^2 - 2 x + 14}{(x - 1) (x^2 - 15 x + 1)}$$

Sequence: A160682
Score: 7.53906
Type of gen. func.: ogf

$$2$$

$$-(52 f(x) - 3) (f(x) x - 15 f(x) x + f(x) + x - 1)$$

Sequence: A160682
Score: 8.16732
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1) + a(n), a(0) = 1, a(1) = 14\}$$

Sequence: A160695
Score: 13.9599
Type of gen. func.: ogf

$$-\frac{5 x}{(x - 1) (x^2 - 23 x + 1)}$$

Sequence: A160695
Score: 19.0424
Type of gen. func.: lgdogf

$$-\frac{3 (x^2 - 16 x + 8)}{(x - 1) (x^2 - 23 x + 1)}$$

Sequence: A160695
Score: 5.70534
Type of gen. func.: ogf

$$\{a(n + 3) - 24 a(n + 2) + 24 a(n + 1) - a(n), a(0) = 0, a(1) = 5, a(2) = 120\}$$

Sequence: A160695
Score: 8.30525
Type of gen. func.: ogf

$$f(x) x^3 - 24 f(x) x^2 + 24 f(x) x - f(x) + 5 x$$

Sequence: A160699
Score: 10.4205

Type of gen. func.: ogf

$$\frac{x (17 x^2 + 86 x + 17)}{(x - 1)^4}$$

Sequence: A160699
Score: 18.1676
Type of gen. func.: lgdogf

$$- \frac{2 (17 x^2 + 146 x + 77)}{(x - 1) (17 x^2 + 86 x + 17)}$$

Sequence: A160699
Score: 3.78927
Type of gen. func.: ogf

$$\{(-51 - 17 n) a(4 + n) + (16 - 69 n) a(n + 3) + (361 + 69 n) a(n + 2)$$
$$+ (34 + 17 n) a(n + 1), a(0) = 0, a(1) = 17, a(2) = 154, a(3) = 531\}$$

Sequence: A160699
Score: 5.42437
Type of gen. func.: ogf

$$(53520 f(x) + 1870447)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 17 x^3 - 4 f(x) x - 86 x^2 + f(x) - 17 x)$$

Sequence: A160702
Score: 7.42773
Type of gen. func.: ogf

$$2 f(x)^2 x - f(x) x - 2 x^2 - f(x) + 1$$

Sequence: A160705
Score: 6.00696
Type of gen. func.: ogf

$$-\frac{x^4 (x-1) (x^2+x+1) (x^4+x^3-x^2+x+1)}{(x+1)^4 (x^2-x+1)^4}$$

Sequence: A160705
Score: 6.75560
Type of gen. func.: lgdogf

$$-\frac{5 x^9 + 6 x^8 - 7 x^7 - 7 x^6 - 6 x^5 + 15 x^4 - 11 x^3 - 12 x^2 - 2 x + 1}{(x-1) (x+1) (x^2+x+1) (x^2-x+1) (x^4+x^3-x^2+x+1)}$$

Sequence: A160706
Score: 15.8562
Type of gen. func.: lgdogf

$$-\frac{2 x (2 x^2 - 2 x - 1)}{(x-1) (x+1) (x^2-x+1)}$$

Sequence: A160706
Score: 17.5068
Type of gen. func.: ogf_with_Euler_transform]

$$2 x^5 - 2 x^2 - x$$

Sequence: A160706
Score: 3.37582
Type of gen. func.: ogf

$$-(7 f(x) - 2) (f(x) x^5 - f(x) x^4 + f(x) x^3 + x^4 + f(x) x^2 - x^3 - f(x) x + f(x))$$

Sequence: A160706
Score: 6.62010
Type of gen. func.: ogf

$$-\frac{x\,(x-1)}{(x+1)\,(x^2-x+1)^2}$$

Sequence: A160737
Score: 6.13313
Type of gen. func.: ogf

$$\frac{x\,(4x^4+719x^3+2334x^2+719x+4)}{(x-1)^6}$$

Sequence: A160737
Score: 9.03146
Type of gen. func.: lgdogf

$$-\frac{8x^4+2173x^3+11493x^2+8263x+743}{(x-1)\,(4x^4+719x^3+2334x^2+719x+4)}$$

Sequence: A160739
Score: 4.66028
Type of gen. func.: ogf

$$-\frac{16x^6+10047x^5+73047x^4+73222x^3+9942x^2+51x-5}{(x-1)^7}$$

Sequence: A160739
Score: 5.41125
Type of gen. func.: lgdogf

$$-\frac{2\,(8x^6+10095x^5+134688x^4+292538x^3+134688x^2+10095x+8)}{(x-1)\,(16x^6+10047x^5+73047x^4+73222x^3+9942x^2+51x-5)}$$

Sequence: A160741
Score: 4.36573

Type of gen. func.: ogf

$$-\frac{10159 x^6 + 796098 x^5 + 4515933 x^4 + 4516108 x^3 + 795993 x^2 + 10194 x - 5}{(x - 1)^7}$$

Sequence: A160743
Score: 4.44670
Type of gen. func.: ogf

$$\frac{x (8 x^6 + 17529 x^5 + 248592 x^4 + 548822 x^3 + 248592 x^2 + 17529 x + 8)}{(x - 1)^8}$$

Sequence: A160747
Score: 12.1977
Type of gen. func.: lgdogf

$$-\frac{x^4 + 24 x^3 + 90 x^2 + 80 x + 15}{(x - 1) (x^4 + 10 x^3 + 20 x^2 + 10 x + 1)}$$

Sequence: A160747
Score: 4.98794
Type of gen. func.: ogf

$$\{(-n^2 - n) a(n) + (2 n^2 + 6 n + 34) a(n + 1) + (-n^2 - 5 n - 6) a(n + 2),$$

$$a(0) = 1, a(1) = 15\}$$

Sequence: A160747
Score: 7.73640
Type of gen. func.: ogf

$$-\frac{x^4 + 10 x^3 + 20 x^2 + 10 x + 1}{(x - 1)^5}$$

Sequence: A160749
Score: 12.8414
Type of gen. func.: ogf

$$-\frac{x^2 + 5 x + 5}{(x - 1)^3}$$

Sequence: A160749
Score: 24.7803
Type of gen. func.: lgdogf

$$-\frac{(x + 10) (2 + x)}{(x - 1) (x^2 + 5 x + 5)}$$

Sequence: A160749
Score: 6.52773
Type of gen. func.: ogf

$$(48037 f(x) - 287609) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 5 x + 5)$$

Sequence: A160749
Score: 6.87129
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 5, a(1) = 20, a(2) = 46\}$$

Sequence: A160750
Score: 10.5409
Type of gen. func.: lgdogf

$$-\frac{10 x^4 + 62 x^3 + 105 x^2 + 92 x + 16}{(x - 1) (10 x^4 + 11 x^3 + 24 x^2 + 11 x + 1)}$$

Sequence: A160750
Score: 7.38153
Type of gen. func.: ogf

$$-\frac{10x^4+11x^3+24x^2+11x+1}{(x-1)^5}$$

Sequence: A160755
Score: 12.9469
Type of gen. func.: lgdogf

$$\frac{7x^9-15x^8+8x^7-2}{(x-1)(x^9-x^8+1)}$$

Sequence: A160755
Score: 9.81437
Type of gen. func.: ogf

$$\frac{x^9-x^8+1}{(x-1)^2}$$

Sequence: A160765
Score: 11.9798
Type of gen. func.: lgdogf

$$-\frac{x^4+30x^3+135x^2+116x+18}{(x-1)(x^2+3x+1)(x^2+10x+1)}$$

Sequence: A160765
Score: 7.59956
Type of gen. func.: ogf

$$-\frac{(x^2+3x+1)(x^2+10x+1)}{(x-1)^5}$$

Sequence: A160767
Score: 11.4330
Type of gen. func.: lgdogf

$$- \frac{x^4 + 28 x^3 + 120 x^2 + 104 x + 17}{(x - 1) (x^4 + 12 x^3 + 28 x^2 + 12 x + 1)}$$

Sequence: A160767
Score: 7.49252
Type of gen. func.: ogf

$$- \frac{x^4 + 12 x^3 + 28 x^2 + 12 x + 1}{(x - 1)^5}$$

Sequence: A160768
Score: 10.1019
Type of gen. func.: lgdogf

$$- \frac{x^4 + 46 x^3 + 336 x^2 + 574 x + 203}{(x - 1) (x^4 + 21 x^3 + 91 x^2 + 98 x + 21)}$$

Sequence: A160768
Score: 6.76862
Type of gen. func.: ogf

$$- \frac{x^4 + 21 x^3 + 91 x^2 + 98 x + 21}{(x - 1)^5}$$

Sequence: A160769
Score: 6.73460
Type of gen. func.: ogf

$$- \frac{x^4 + 22 x^3 + 97 x^2 + 101 x + 21}{(x - 1)^5}$$

Sequence: A160769
Score: 9.99986
Type of gen. func.: lgdogf

$$-\frac{x^4 + 48 x^3 + 357 x^2 + 598 x + 206}{(x - 1) (x^4 + 22 x^3 + 97 x^2 + 101 x + 21)}$$

Sequence: A160787
Score: 6.66792
Type of gen. func.: ogf

$$-\frac{x^4 + 23 x^3 + 103 x^2 + 104 x + 21}{(x - 1)^5}$$

Sequence: A160787
Score: 9.85061
Type of gen. func.: lgdogf

$$-\frac{x^4 + 50 x^3 + 378 x^2 + 622 x + 209}{(x - 1) (x^4 + 23 x^3 + 103 x^2 + 104 x + 21)}$$

Sequence: A160788
Score: 4.66504
Type of gen. func.: ogf

$$-\frac{x^6 + 48 x^5 + 449 x^4 + 1014 x^3 + 561 x^2 + 62 x + 1}{(x - 1)^7}$$

Sequence: A160788
Score: 6.18530
Type of gen. func.: lgdogf

6 5 4 3 2

$$-\frac{x + 102 x + 1587 x + 5852 x + 5847 x + 1494 x + 69}{(x - 1) (x^6 + 48 x^5 + 449 x^4 + 1014 x^3 + 561 x^2 + 62 x + 1)}$$

Sequence: A160790
Score: 10.7645
Type of gen. func.: ogf

$$-\frac{x (x^2 - x - 1)}{(x + 1)^3 (x - 1)^4}$$

Sequence: A160790
Score: 23.9960
Type of gen. func.: lgdogf

$$-\frac{5 x^3 - 5 x^2 - 6 x - 2}{(x - 1) (x + 1) (x^2 - x - 1)}$$

Sequence: A160791
Score: 11.8421
Type of gen. func.: ogf

$$\frac{x^2 - x - 1}{(x - 1)^3 (x + 1)^3}$$

Sequence: A160805
Score: 10.2987
Type of gen. func.: ogf

$$-\frac{5 x^3 - 13 x^2 + 10 x - 4}{(x - 1)^4}$$

Sequence: A160805
Score: 14.8759

Type of gen. func.: lgdogf

$$- \frac{5 x^{3} - 11 x^{2} + 4 x - 6}{(x - 1) (5 x^{3} - 13 x^{2} + 10 x - 4)}$$

Sequence: A160805
Score: 4.06800
Type of gen. func.: ogf

$$\{(659 n^{2} + 4330 n + 6024) a(n + 1) + (-1392 n^{2} - 7833 n - 9522) a(n + 2)$$

$$+ (733 n^{2} + 3281 n + 3246) a(n + 3), a(0) = 4, a(1) = 6, a(2) = 13\}$$

Sequence: A160805
Score: 5.42401
Type of gen. func.: ogf

$$-(6656 f(x) + 97339) ($$

$$f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} + 5 x^{3} - 4 f(x) x - 13 x^{2} + f(x) + 10 x - 4$$

$$)$$

Sequence: A160811
Score: 10.0743
Type of gen. func.: ogf

$$- \frac{x^{17} - x^{16} + x^{6} - x^{5} + x^{3} + 3 x - 5}{(x - 1)^{2}}$$

Sequence: A160811
Score: 9.04762
Type of gen. func.: lgdogf

$$\frac{15 x^{17} - 31 x^{16} + 16 x^{15} + 4 x^{6} - 9 x^{5} + 5 x^{4} + x^{3} - 3 x^{2} - 3 x + 7}{(x - 1) (x^{17} - x^{16} + x^{6} - x^{5} + x^{3} + 3 x - 5)}$$

Sequence: A160815
Score: 4.66504
Type of gen. func.: ogf

$$-\frac{x^6 + 49 x^5 + 458 x^4 + 1023 x^3 + 562 x^2 + 62 x + 1}{(x - 1)^7}$$

Sequence: A160815
Score: 6.18530
Type of gen. func.: lgdogf

$$-\frac{x^6 + 104 x^5 + 1619 x^4 + 5924 x^3 + 5879 x^2 + 1496 x + 69}{(x - 1) (x^6 + 49 x^5 + 458 x^4 + 1023 x^3 + 562 x^2 + 62 x + 1)}$$

Sequence: A160816
Score: 4.66504
Type of gen. func.: ogf

$$-\frac{x^6 + 50 x^5 + 467 x^4 + 1032 x^3 + 563 x^2 + 62 x + 1}{(x - 1)^7}$$

Sequence: A160816
Score: 6.18530
Type of gen. func.: lgdogf

$$-\frac{x^6 + 106 x^5 + 1651 x^4 + 5996 x^3 + 5911 x^2 + 1498 x + 69}{(x - 1) (x^6 + 50 x^5 + 467 x^4 + 1032 x^3 + 563 x^2 + 62 x + 1)}$$

Sequence: A160817
Score: 4.66504
Type of gen. func.: ogf

$$-\frac{x^6 + 51 x^5 + 476 x^4 + 1041 x^3 + 564 x^2 + 62 x + 1}{}$$

$$(x - 1)^{7}$$

Sequence: A160817
Score: 6.18530
Type of gen. func.: lgdogf

$$-\frac{x^{6} + 108 x^{5} + 1683 x^{4} + 6068 x^{3} + 5943 x^{2} + 1500 x + 69}{(x - 1) (x^{6} + 51 x^{5} + 476 x^{4} + 1041 x^{3} + 564 x^{2} + 62 x + 1)}$$

Sequence: A160823
Score: 7.08904
Type of gen. func.: ogf

$$f(x)^{2} x^{3} - f(x)^{2} x^{2} - f(x) x^{2} - f(x) x + f(x) - 1$$

Sequence: A160824
Score: 10.7684
Type of gen. func.: ogf

$$\frac{(x - 1) (8 x^{4} + x^{3} + 5 x^{2} + 6 x + 1)}{2 x^{2} - 1}$$

Sequence: A160824
Score: 9.51909
Type of gen. func.: lgdogf

$$\frac{48 x^{6} - 28 x^{5} - 32 x^{4} + 28 x^{3} - 2 x^{2} + 2 x + 5}{(x - 1) (2 x^{2} - 1) (8 x^{4} + x^{3} + 5 x^{2} + 6 x + 1)}$$

Sequence: A160825
Score: 10.7505
Type of gen. func.: lgdogf

$$32 x^{5} + 2 x^{4} - 32 x^{3} - 15 x^{2} - 14 x - 6$$

$$(2 x^2 - 1) (8 x^4 + x^3 + 5 x^2 + 6 x + 1)$$

Sequence: A160825
Score: 12.3405
Type of gen. func.: ogf

$$- \frac{8 x^4 + x^3 + 5 x^2 + 6 x + 1}{2 x^2 - 1}$$

Sequence: A160825
Score: 7.49656
Type of gen. func.: ogf

$$-(1000928 f(x) + 2051393) (8 x^4 + 2 f(x) x^2 + x^3 + 5 x^2 - f(x) + 6 x + 1)$$

Sequence: A160827
Score: 12.2664
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 + x + 1) (x^2 + 10 x + 49)}{(x - 1) (2 x^4 + 7 x^3 + 33 x^2 + 13 x + 17)}$$

Sequence: A160827
Score: 7.77795
Type of gen. func.: ogf

$$- \frac{2 x^4 + 7 x^3 + 33 x^2 + 13 x + 17}{(x - 1)^5}$$

Sequence: A160828
Score: 10.8559
Type of gen. func.: lgdogf

$${}^{4} \qquad {}^{3} \qquad {}^{2}$$

$$-\frac{3\,(3\,x - 12\,x + 58\,x - 28\,x + 59)}{(x - 1)\,(9\,x^{4} - 36\,x^{3} + 94\,x^{2} - 68\,x + 49)}$$

Sequence: A160828
Score: 7.37320
Type of gen. func.: ogf

$$-\frac{2\,(9\,x^{4} - 36\,x^{3} + 94\,x^{2} - 68\,x + 49)}{(x - 1)^{5}}$$

Sequence: A160829
Score: 4.89904
Type of gen. func.: ogf

$$-\frac{x^{6} + 40\,x^{5} + 305\,x^{4} + 612\,x^{3} + 337\,x^{2} + 44\,x + 1}{(x - 1)^{7}}$$

Sequence: A160829
Score: 6.64784
Type of gen. func.: lgdogf

$$-\frac{x^{6} + 86\,x^{5} + 1115\,x^{4} + 3668\,x^{3} + 3521\,x^{2} + 938\,x + 51}{(x - 1)\,(x^{6} + 40\,x^{5} + 305\,x^{4} + 612\,x^{3} + 337\,x^{2} + 44\,x + 1)}$$

Sequence: A160831
Score: 4.66504
Type of gen. func.: ogf

$$-\frac{x^{6} + 57\,x^{5} + 530\,x^{4} + 1095\,x^{3} + 570\,x^{2} + 62\,x + 1}{(x - 1)^{7}}$$

Sequence: A160831
Score: 6.18530

Type of gen. func.: lgdogf

$$-\frac{x^6 + 120 x^5 + 1875 x^4 + 6500 x^3 + 6135 x^2 + 1512 x + 69}{(x - 1) (x^6 + 57 x^5 + 530 x^4 + 1095 x^3 + 570 x^2 + 62 x + 1)}$$

Sequence: A160832
Score: 16.5405
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3 x^3 - x^2 - 2 x - 1}{x^4 - 1}$$

Sequence: A160833
Score: 4.66504
Type of gen. func.: ogf

$$-\frac{x^6 + 56 x^5 + 521 x^4 + 1086 x^3 + 569 x^2 + 62 x + 1}{(x - 1)^7}$$

Sequence: A160833
Score: 6.18530
Type of gen. func.: lgdogf

$$-\frac{x^6 + 118 x^5 + 1843 x^4 + 6428 x^3 + 6103 x^2 + 1510 x + 69}{(x - 1) (x^6 + 56 x^5 + 521 x^4 + 1086 x^3 + 569 x^2 + 62 x + 1)}$$

Sequence: A160834
Score: 4.66504
Type of gen. func.: ogf

$$-\frac{x^6 + 54 x^5 + 503 x^4 + 1068 x^3 + 567 x^2 + 62 x + 1}{(x - 1)^7}$$

Sequence: A160834
Score: 6.18530
Type of gen. func.: lgdogf

$$-\frac{x^6 + 114 x^5 + 1779 x^4 + 6284 x^3 + 6039 x^2 + 1506 x + 69}{(x - 1) (x^6 + 54 x^5 + 503 x^4 + 1068 x^3 + 567 x^2 + 62 x + 1)}$$

Sequence: A160835
Score: 4.89904
Type of gen. func.: ogf

$$-\frac{x^6 + 42 x^5 + 323 x^4 + 630 x^3 + 339 x^2 + 44 x + 1}{(x - 1)^7}$$

Sequence: A160835
Score: 6.64784
Type of gen. func.: lgdogf

$$-\frac{x^6 + 90 x^5 + 1179 x^4 + 3812 x^3 + 3585 x^2 + 942 x + 51}{(x - 1) (x^6 + 42 x^5 + 323 x^4 + 630 x^3 + 339 x^2 + 44 x + 1)}$$

Sequence: A160836
Score: 4.66504
Type of gen. func.: ogf

$$-\frac{x^6 + 52 x^5 + 485 x^4 + 1050 x^3 + 565 x^2 + 62 x + 1}{(x - 1)^7}$$

Sequence: A160836
Score: 6.18530
Type of gen. func.: lgdogf

```
               6        5         4         3         2
              x  + 110 x  + 1715 x  + 6140 x  + 5975 x  + 1502 x + 69
          - -------------------------------------------------------------
                      6       5        4         3        2
```

$(x - 1) (x + 52 x + 485 x + 1050 x + 565 x + 62 x + 1)$

Sequence: A160837
Score: 5.14825
Type of gen. func.: ogf

$$-\frac{x^6 + 37 x^5 + 254 x^4 + 475 x^3 + 262 x^2 + 38 x + 1}{(x - 1)^7}$$

Sequence: A160837
Score: 7.06251
Type of gen. func.: lgdogf

$$-\frac{x^6 + 80 x^5 + 947 x^4 + 2916 x^3 + 2735 x^2 + 752 x + 45}{(x - 1) (x^6 + 37 x^5 + 254 x^4 + 475 x^3 + 262 x^2 + 38 x + 1)}$$

Sequence: A160838
Score: 5.14825
Type of gen. func.: ogf

$$-\frac{(x^2 + 6 x + 1) (x^4 + 32 x^3 + 70 x^2 + 32 x + 1)}{(x - 1)^7}$$

Sequence: A160838
Score: 7.44222
Type of gen. func.: lgdogf

$$-\frac{x^6 + 82 x^5 + 979 x^4 + 2988 x^3 + 2767 x^2 + 754 x + 45}{(x - 1) (x^2 + 6 x + 1) (x^4 + 32 x^3 + 70 x^2 + 32 x + 1)}$$

Sequence: A160839
Score: 4.39411
Type of gen. func.: ogf

$$-\frac{x^6 + 72 x^5 + 927 x^4 + 3237 x^3 + 3492 x^2 + 1116 x + 78}{(x - 1)^7}$$

Sequence: A160840
Score: 4.78234
Type of gen. func.: ogf

$$-\frac{x^6 + 63 x^5 + 714 x^4 + 1885 x^3 + 1230 x^2 + 147 x + 1}{(x - 1)^7}$$

Sequence: A160840
Score: 6.13693
Type of gen. func.: lgdogf

$$-\frac{x^6 + 132 x^5 + 2457 x^4 + 10396 x^3 + 11805 x^2 + 3342 x + 154}{(x - 1) (x^6 + 63 x^5 + 714 x^4 + 1885 x^3 + 1230 x^2 + 147 x + 1)}$$

Sequence: A160841
Score: 4.49467
Type of gen. func.: ogf

$$-\frac{x^6 + 66 x^5 + 744 x^4 + 1915 x^3 + 1230 x^2 + 147 x + 1}{(x - 1)^7}$$

Sequence: A160841
Score: 5.76207
Type of gen. func.: lgdogf

$$-\frac{x^6 + 138 x^5 + 2562 x^4 + 10636 x^3 + 11895 x^2 + 3342 x + 154}{(x - 1) (x^6 + 66 x^5 + 744 x^4 + 1915 x^3 + 1230 x^2 + 147 x + 1)}$$

Sequence: A160842

Score: 11.4185
Type of gen. func.: ogf

$$-\frac{x (2 x^3 - 4 x^2 + 3 x + 1)}{(x - 1)^3}$$

Sequence: A160842
Score: 21.6251
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 - x + 3)}{(x - 1) (2 x^3 - 4 x^2 + 3 x + 1)}$$

Sequence: A160842
Score: 5.74861
Type of gen. func.: ogf

{-a(n + 5) + 3 a(4 + n) - 3 a(n + 3) + a(n + 2), a(0) = 0, a(1) = 1, a(2) = 6,

a(3) = 11, a(4) = 18}

Sequence: A160842
Score: 6.61545
Type of gen. func.: ogf

$$(284 f(x) + 15)$$

$$(f(x) x^3 + 2 x^4 - 3 f(x) x^2 - 4 x^3 + 3 f(x) x + 3 x^2 - f(x) + x)$$

Sequence: A160843
Score: 10.0364
Type of gen. func.: ogf

$$-\frac{x (3 x^4 - 3 x^3 - 2 x^2 + 9 x + 1)}{(x + 1) (x - 1)^3}$$

Sequence: A160843
Score: 11.9603
Type of gen. func.: lgdogf

$$-\frac{3x^4+2x^3+14x^2+18x+11}{(x-1)(x+1)(3x^4-3x^3-2x^2+9x+1)}$$

Sequence: A160844
Score: 7.05861
Type of gen. func.: lgdogf

$$-\frac{2(2x^8+5x^7+23x^6+56x^5+93x^4+98x^3+75x^2+35x+9)}{(x-1)(x+1)(x^2+x+1)(4x^6-3x^4+9x^3+16x^2+17x+1)}$$

Sequence: A160844
Score: 7.62834
Type of gen. func.: ogf

$$-\frac{x(4x^6-3x^4+9x^3+16x^2+17x+1)}{(x^2+x+1)(x+1)(x-1)^3}$$

Sequence: A160845
Score: 6.28401
Type of gen. func.: ogf

$$-\frac{x(5x^8+x^6+16x^5+20x^4+40x^3+25x^2+26x+1)}{(x^2+x+1)(x+1)(x^2+1)(x-1)^3}$$

Sequence: A160852
Score: 6.69795
Type of gen. func.: ogf

$$3f(x)^2x^3-3f(x)^2x-f(x)x^2+f(x)x+f(x)-1$$

Sequence: A160853
Score: 4.49467
Type of gen. func.: ogf

$$-\frac{x^6 + 67 x^5 + 754 x^4 + 1925 x^3 + 1230 x^2 + 147 x + 1}{(x - 1)^7}$$

Sequence: A160853
Score: 5.76207
Type of gen. func.: lgdogf

$$-\frac{x^6 + 140 x^5 + 2597 x^4 + 10716 x^3 + 11925 x^2 + 3342 x + 154}{(x - 1) (x^6 + 67 x^5 + 754 x^4 + 1925 x^3 + 1230 x^2 + 147 x + 1)}$$

Sequence: A160854
Score: 4.78234
Type of gen. func.: ogf

$$-\frac{x^6 + 59 x^5 + 632 x^4 + 1638 x^3 + 1098 x^2 + 147 x + 1}{(x - 1)^7}$$

Sequence: A160854
Score: 6.19483
Type of gen. func.: lgdogf

$$-\frac{x^6 + 124 x^5 + 2191 x^4 + 9080 x^3 + 10404 x^2 + 3078 x + 154}{(x - 1) (x^6 + 59 x^5 + 632 x^4 + 1638 x^3 + 1098 x^2 + 147 x + 1)}$$

Sequence: A160863
Score: 4.78234
Type of gen. func.: ogf

$$-\frac{x^6 + 60 x^5 + 656 x^4 + 1717 x^3 + 1142 x^2 + 147 x + 1}{(x - 1)^7}$$

Sequence: A160863
Score: 6.19483
Type of gen. func.: lgdogf

$$-\frac{x^6 + 126 x^5 + 2268 x^4 + 9492 x^3 + 10861 x^2 + 3166 x + 154}{(x - 1) (x^6 + 60 x^5 + 656 x^4 + 1717 x^3 + 1142 x^2 + 147 x + 1)}$$

Sequence: A160869
Score: 10.1243
Type of gen. func.: ogf

$$-\frac{6 x^2 - 1}{(x - 1) (6 x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A160869
Score: 5.25245
Type of gen. func.: ogf

$(25 f(x) + 1587)$

$$(36 f(x) x^4 - 72 f(x) x^3 + 47 f(x) x^2 - 12 f(x) x + 6 x^2 + f(x) - 1)$$

Sequence: A160869
Score: 6.71332
Type of gen. func.: lgdogf

$$-\frac{2 (216 x^5 - 216 x^4 - 72 x^3 + 144 x^2 - 53 x + 6)}{(x - 1) (6 x - 1) (3 x - 1) (2 x - 1) (6 x^2 - 1)}$$

Sequence: A160873
Score: 12.7319
Type of gen. func.: ogf

$$-\frac{3 x}{(8 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A160873
Score: 5.31417
Type of gen. func.: ogf

$$\{a(n + 3) - 14 a(n + 2) + 56 a(n + 1) - 64 a(n), a(0) = 0, a(1) = 3, a(2) = 42\}$$

Sequence: A160873
Score: 5.9333
Type of gen. func.: ogf

$$(14 f(x) + 3) (64 f(x) x^3 - 56 f(x) x^2 + 14 f(x) x - f(x) + 3 x)$$

Sequence: A160906
Score: 5.64214
Type of gen. func.: ogf

$$-216 x^2 f(x)^3 + 59 f(x)^3 x - 4 f(x)^3 - 54 f(x)^2 x + 8 f(x)^2 - 5 f(x) + 1$$

Sequence: A160912
Score: 12.5695
Type of gen. func.: ogf

$$\frac{(x + 1) (4 x + 1)}{(x - 1)^2}$$

Sequence: A160912
Score: 22.4438
Type of gen. func.: lgdogf

$$- \frac{7 + 13 x}{(x - 1) (4 x + 1) (x + 1)}$$

Sequence: A160912
Score: 6.46780
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 7, a(2) = 17\}$$

Sequence: A160912
Score: 7.01246
Type of gen. func.: ogf

$$(20 f(x) + 29) (f(x) x^2 - 2 f(x) x - 4 x^2 + f(x) - 5 x - 1)$$

Sequence: A160914
Score: 5.52127
Type of gen. func.: ogf

$$\frac{x^9 - x^8 - 2 x^5 + 4 x^4 + x + 1}{(x^2 + 1)^2 (x + 1)^3 (x - 1)^4}$$

Sequence: A160925
Score: 4.63507
Type of gen. func.: ogf

$$(81 x^{18} - 9 x^{17} - 9 x^{16} - 9 x^{15} - 9 x^{14} - 9 x^{13} - 9 x^{12} - 9 x^{11} - 8 x^{10} - 9 x^9 + 9 x^8 - 1) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A160928
Score: 5.16960
Type of gen. func.: ogf

$$(81 x^{20} - 9 x^{19} - 9 x^{18} - 9 x^{17} - 9 x^{16} - 9 x^{15} - 9 x^{14} - 9 x^{13} - 9 x^{12} - 9 x^{11} + 8 x^{10} + 1) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A160931
Score: 7.06006
Type of gen. func.: ogf

$$-\frac{x^{10}-2x^{9}+7x^{8}-2x^{7}-2x^{6}-2x^{5}-2x^{4}-2x^{3}-2x^{2}-2x-3}{(x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)(x-1)^{2}}$$

Sequence: A160939
Score: 7.02676
Type of gen. func.: ogf

$$-\frac{8x^{10}-2x^{9}-2x^{8}-2x^{7}-2x^{6}-2x^{5}-2x^{4}-2x^{3}-2x^{2}-2x-1}{(x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)(x-1)^{2}}$$

Sequence: A160941
Score: 15.1596
Type of gen. func.: ogf

$$\frac{8x^{10}+1}{(x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)(x-1)^{2}}$$

Sequence: A160943
Score: 6.97020
Type of gen. func.: ogf

$$-\frac{3(3x^{10}-x^{9}+2x^{8}-x^{7}-x^{6}-x^{5}-x^{4}-x^{3}-x^{2}-x-1)}{(x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)(x-1)^{2}}$$

Sequence: A160949
Score: 12.8714
Type of gen. func.: ogf

$$\frac{x^{10}+9x^{8}-1}{(x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)(x-1)^{2}}$$

Sequence: A160958
Score: 16.3188
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (256 x^2 + 4 x + 1)^{1/2}}{126 x}$$

Sequence: A160958
Score: 18.5911
Type of gen. func.: ogf

$$- \frac{1}{(7 x + 1) (9 x - 1)}$$

Sequence: A160958
Score: 22.9673
Type of gen. func.: lgdogf

$$- \frac{2 (1 + 63 x)}{(7 x + 1) (9 x - 1)}$$

Sequence: A160958
Score: 7.18295
Type of gen. func.: ogf

$$(4741 f(x) - 4725) (63 f(x) x^2 + 2 f(x) x - f(x) + 1)$$

Sequence: A160958
Score: 7.61565
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 63 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A160967
Score: 6.82754
Type of gen. func.: lgdogf

$$-\frac{16 x^{10} + 16 x^{9} - 24 x^{7} - 30 x^{6} - 24 x^{5} + 12 x^{3} + 15 x^{2} + 8 x + 2}{(x - 1) (4 x^{3} - 1) (4 x^{5} + 2 x^{4} - 4 x^{2} - 2 x - 1) (x^{2} + x + 1)}$$

Sequence: A160967
Score: 9.89636
Type of gen. func.: ogf

$$-\frac{x (4 x^{5} + 2 x^{4} - 4 x^{2} - 2 x - 1)}{(x - 1) (4 x^{3} - 1) (x^{2} + x + 1)}$$

Sequence: A160970
Score: 10.4611
Type of gen. func.: ogf

$$\frac{x (x + 1) (x^{2} + 9 x + 1)}{(x^{2} + 6 x + 1) (x^{2} - 6 x + 1)}$$

Sequence: A160970
Score: 6.38304
Type of gen. func.: ogf

$$(959616 f(x) - 820081) (f(x) x^{4} - x^{4} - 34 f(x) x^{2} - 10 x^{3} - 10 x^{2} + f(x) - x)$$

Sequence: A160993
Score: 12.9232
Type of gen. func.: lgdogf

$$-\frac{x (7 x^{5} + 6 x^{4} + 3 x + 2)}{(x^{2} + x + 1) (x^{5} - x^{3} + x^{2} + x - 1)}$$

Sequence: A160993
Score: 13.4143

Type of gen. func.: ogf

$$-\frac{1}{(x^2+x+1)(x^5-x^3+x^2+x-1)}$$

Sequence: A161007
Score: 12.4463
Type of gen. func.: ogf

$$-16 f(x) x^2 - 2 f(x) x + f(x) - x$$

Sequence: A161007
Score: 19.6521
Type of gen. func.: ogf

$$-\frac{x}{16 x^2 + 2 x - 1}$$

Sequence: A161007
Score: 9.10707
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 16 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A161112
Score: 7.25951
Type of gen. func.: ogf

$$-\frac{x^{10} (2 x^{36} - x^{26} + x^{25} - x^{23} + x^{22} - x^6 + 1)}{(x^2 + x + 1) (x^{33} - x^3 - 1) (x - 1)^2}$$

Sequence: A161113
Score: 7.32285
Type of gen. func.: ogf

$$x^{11} (2 x^{39} - x^{28} + x^{27} - x^{25} + x^{24} - x^6 + 1)$$

$$-\frac{\qquad}{(x^2 + x + 1)\,(x^{36} - x^3 - 1)\,(x - 1)^2}$$

Sequence: A161120
Score: 3.09806
Type of gen. func.: ogf

$$\{(-2 n^2 - 5 n - 2)\, a(n + 1) + (2 n^2 + 12 n + 14)\, a(n + 2) + (-n - 2)\, a(n + 3),$$
$$a(0) = 0,\ a(1) = 1,\ a(2) = 4\}$$

Sequence: A161120
Score: 5.07232
Type of gen. func.: egf]

$$8 f(x)^2 x^3 - 12 f(x)^2 x^2 + x^4 + 6 f(x)^2 x - 2 x^3 - f(x)^2 + x^2$$

Sequence: A161122
Score: 6.70329
Type of gen. func.: ogf

$$\{(-2 n^2 - 5 n - 2)\, a(n + 1) + n\, a(n + 2),\ a(0) = 0,\ a(1) = 0,\ a(2) = 2\}$$

Sequence: A161122
Score: 8.88576
Type of gen. func.: egf]

$$-8 f(x)^2 x^3 + 12 f(x)^2 x^2 - x^4 - 6 f(x)^2 x + f(x)^2$$

Sequence: A161124
Score: 29.5782
Type of gen. func.: lgdegf]

$$-\frac{3\,(2 + x)}{(x + 1)\,(2 x - 1)}$$

Sequence: A161124
Score: 3.92592
Type of gen. func.: ogf

```
      2                            2
{(-2 n  - 7 n - 6) a(n + 1) + (-2 n  - 12 n - 22) a(n + 2) + (n + 2) a(n + 3),

    a(0) = 0, a(1) = 1, a(2) = 12}
```

Sequence: A161125
Score: 4.80457
Type of gen. func.: ogf

```
    3      2                2                   2
{(-n  - 2 n  - n) a(n) + (-n  + 1) a(n + 1) + (n  - n) a(n + 2), a(0) = 0,

    a(1) = 0, a(2) = 1, a(3) = 4}
```

Sequence: A161130
Score: 3.52719
Type of gen. func.: ogf

```
   2                          2
{(n  + 5 n + 6) a(n + 1) + (n  + 4 n + 2) a(n + 2) + (-1 - n) a(n + 3),

    a(0) = 0, a(1) = 0, a(2) = 1}
```

Sequence: A161149
Score: 5.73070
Type of gen. func.: ogf

```
          3       2
   {(-16 n  - 96 n  - 188 n - 120) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 12}
```

Sequence: A161158
Score: 3.96394
Type of gen. func.: ogf

```
-(126240 f(x) - 1927)

           4            3            2                  2
    (f(x) x  - 14 f(x) x  + 34 f(x) x  - 14 f(x) x + x  + f(x) - 1)
```

Sequence: A161158
Score: 7.34310
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 7 x^4 - 2 x^3 + 28 x^2 - 35 x + 7)}{(x - 1) (x + 1) (x^4 - 14 x^3 + 34 x^2 - 14 x + 1)}$$

Sequence: A161158
Score: 8.16104
Type of gen. func.: ogf

$$-\frac{(x - 1) (x + 1)}{x^4 - 14 x^3 + 34 x^2 - 14 x + 1}$$

Sequence: A161159
Score: 4.63901
Type of gen. func.: ogf

$$\frac{9 x^4 - 115 x^3 + 208 x^2 - 115 x + 9}{(x^2 - 5 x + 1) (x^4 - 35 x^3 + 72 x^2 - 35 x + 1)}$$

Sequence: A161168
Score: 10.5761
Type of gen. func.: revegf]

$$1/4 \ln(4 x + 3) + 1/4 \ln(2 (x + 1)^{1/2} - 1) - 1/4 \ln(2 (x + 1)^{1/2} + 1)$$

Sequence: A161168
Score: 14.6190
Type of gen. func.: ogf

$$-\frac{2 (3 x - 1)}{(4 x - 1) (2 x - 1)}$$

Sequence: A161168
Score: 16.1286
Type of gen. func.: lgdogf

$$-\frac{24 x^2 - 16 x + 3}{(3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A161168
Score: 7.2292
Type of gen. func.: ogf

$$-(14 f(x) + 53) (8 f(x) x^2 - 6 f(x) x + f(x) + 6 x - 2)$$

Sequence: A161168
Score: 8.02263
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 8 a(n), a(0) = 2, a(1) = 6\}$$

Sequence: A161176
Score: 10.5864
Type of gen. func.: ogf

$$-\frac{121 x^2 - 220 x + 107}{(x - 1)^3}$$

Sequence: A161176
Score: 15.0965
Type of gen. func.: lgdogf

$$-\frac{121 x^2 - 198 x + 101}{(x - 1) (121 x^2 - 220 x + 107)}$$

Sequence: A161176
Score: 5.67434
Type of gen. func.: ogf

$$(3208 f(x) - 221651)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 121 x^2 - f(x) - 220 x + 107)$$

Sequence: A161176
Score: 6.01095
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 107, a(1) = 101, a(2) = 103\}$

Sequence: A161184
Score: 4.81991
Type of gen. func.: ogf

$$- (3 x^{17} - 3 x^{16} + 6 x^{15} - 6 x^{14} + 3 x^{12} - 3 x^{11} + 6 x^{10} - 3 x^{9} + 3 x^{8} - 6 x^{7} + 3 x^{6} + 3 x^{5} - 3 x^{4} + 2 x^{3} + 2 x^{2} + x + 1)/(x - 1)$$

Sequence: A161204
Score: 10.9600
Type of gen. func.: ogf

$$- \frac{x^{3} - 2 x^{2} - 3 x + 2}{(2 x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A161204
Score: 11.0085
Type of gen. func.: lgdogf

$$- \frac{2 x^{6} - 8 x^{5} - 21 x^{4} + 8 x^{3} + 8 x^{2} - 1}{(2 x - 1) (x + 1) (x^{2} + 1) (x^{3} - 2 x^{2} - 3 x + 2)}$$

Sequence: A161204
Score: 6.16
Type of gen. func.: ogf

$(f(x) - 3)$

$$(2 f(x) x^{4} + f(x) x^{3} + f(x) x^{2} + x^{3} + f(x) x - 2 x^{2} - f(x) - 3 x + 2)$$

Sequence: A161365
Score: 14.8245
Type of gen. func.: ogf

$$\frac{x^2 + 9}{(x + 1)(x - 1)^2}$$

Sequence: A161365
Score: 22.4007
Type of gen. func.: lgdogf

$$-\frac{x^3 + x^2 + 29 x + 9}{(x - 1)(x + 1)(x^2 + 9)}$$

Sequence: A161365
Score: 7.47785
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 9, a(1) = 9, a(2) = 19\}$$

Sequence: A161365
Score: 7.6818
Type of gen. func.: ogf

$$(35 f(x) + 521) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - 9)$$

Sequence: A161370
Score: 18.7376
Type of gen. func.: lgdegf]

$$\frac{4 x^2 - 8 x + 7}{(2 x - 1)(2 x - 3)}$$

Sequence: A161374
Score: 4.97371
Type of gen. func.: ogf

$$x (48 x^{12} + 48 x^{11} + 16 x^{10} - 4 x^9 - 28 x^8 - 12 x^7 - 18 x^6 - 8 x^5 - 2 x^4 + 2 x^3 + 4 x^2 + 2 x + 1) / ((4 x^3 - 1) (2 x^3 - 1))$$

Sequence: A161434
Score: 10.9695
Type of gen. func.: lgdogf

$$- \frac{6}{(x - 1) (2 x^6 - 12 x^5 + 30 x^4 - 40 x^3 + 30 x^2 - 12 x + 1)}$$

Sequence: A161434
Score: 5.72370
Type of gen. func.: ogf

$$\frac{(x - 1)^6}{2 x^6 - 12 x^5 + 30 x^4 - 40 x^3 + 30 x^2 - 12 x + 1}$$

Sequence: A161435
Score: 16.1850
Type of gen. func.: ogf_with_Euler_transform]

$$-x^3 - x^2 - x + 3$$

Sequence: A161435
Score: 19.4536
Type of gen. func.: lgdogf

$$\frac{6 x^4 + 9 x^3 + 11 x^2 + 7 x + 3}{(x + 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A161436
Score: 13.7621
Type of gen. func.: ogf_with_Euler_transform]

$$-x^4 - x^3 - x^2 - x + 4$$

Sequence: A161436
Score: 9.83125
Type of gen. func.: lgdogf

$$\frac{10 x^8 + 26 x^7 + 46 x^6 + 59 x^5 + 61 x^4 + 49 x^3 + 31 x^2 + 14 x + 4}{(x + 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + 1)}$$

Sequence: A161437
Score: 12.2303
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 - x^4 - x^3 - x^2 - x + 5$$

Sequence: A161438
Score: 11.4185
Type of gen. func.: ogf_with_Euler_transform]

$$-x^6 - x^5 - x^4 - x^3 - x^2 - x + 6$$

Sequence: A161439
Score: 11.0926
Type of gen. func.: ogf_with_Euler_transform]

$$-x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x + 7$$

Sequence: A161456
Score: 15.8856
Type of gen. func.: ogf_with_Euler_transform]

```
/   8      9        9
|- ---- + ---- - 1| x
```

```
                       |    9      8     |
                          x      x      /
                       ----------------------
                               x - 1
```

Sequence: A161456
Score: 15.8856
Type of gen. func.: ogf_with_Euler_transform]

```
                      /   8      9        9
                      |- ---- + ---- - 1| x
                      |    9      8     |
                         x      x      /
                      ----------------------
                              x - 1
```

Sequence: A161457
Score: 18.8137
Type of gen. func.: ogf_with_Euler_transform]

```
                       / 10     9       10
                       |---- - --- - 1| x
                       |  9     10    |
                        x     x      /
                       --------------------
                              x - 1
```

Sequence: A161462
Score: 5.24624
Type of gen. func.: ogf

```
      13      12      11      10      8      6      4      3      2
- (2 x   + 7 x   + 5 x   + 6 x   + 5 x  - 5 x  + 5 x  + 2 x  + 2 x  + 5 x + 1)

       /            2        4    3    2            8    6    4    2
      /  ((x - 1) (x  + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x  + 1))
     /
```

Sequence: A161474
Score: 6.93148
Type of gen. func.: ogf

```
    {(-n - 5) a(n + 1) + a(4 + n), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 4}
```

Sequence: A161478
Score: 6.71604
Type of gen. func.: ogf

$$\frac{x (36 x^5 + 41 x^4 + 36 x^3 - 164 x^2 - 123 x - 52)}{(x - 1) (x^6 - 6 x^3 + 1)}$$

Sequence: A161479
Score: 7.92367
Type of gen. func.: ogf

$$- \frac{(x - 1) (85 x^4 + 198 x^3 + 371 x^2 + 198 x + 85)}{x^6 - 6 x^3 + 1}$$

Sequence: A161482
Score: 6.13329
Type of gen. func.: ogf

$$\frac{x (60 x^5 + 31 x^4 + 60 x^3 - 264 x^2 - 93 x - 96)}{(x - 1) (x^6 - 6 x^3 + 1)}$$

Sequence: A161483
Score: 7.86299
Type of gen. func.: ogf

$$- \frac{(x - 1) (109 x^4 + 260 x^3 + 525 x^2 + 260 x + 109)}{x^6 - 6 x^3 + 1}$$

Sequence: A161486
Score: 6.10881
Type of gen. func.: ogf

$$\frac{x (51 x^5 + 89 x^4 + 51 x^3 - 237 x^2 - 267 x - 69)}{(x - 1) (x^6 - 6 x^3 + 1)}$$

Sequence: A161487
Score: 7.49496
Type of gen. func.: ogf

$$-\frac{(x - 1) (149 x^4 + 340 x^3 + 609 x^2 + 340 x + 149)}{x^6 - 6 x^3 + 1}$$

Sequence: A161495
Score: 3.59003
Type of gen. func.: ogf

$$-(629655 f(x) + 12746)$$

$$(f(x) x^4 - 15 f(x) x^3 + 32 f(x) x^2 - 15 f(x) x - 3 x^2 + f(x) + 10 x - 3)$$

Sequence: A161495
Score: 6.25379
Type of gen. func.: lgdogf

$$-\frac{6 x^5 - 75 x^4 + 312 x^3 - 410 x^2 + 186 x - 35}{(x - 3) (3 x - 1) (x^4 - 15 x^3 + 32 x^2 - 15 x + 1)}$$

Sequence: A161495
Score: 7.18005
Type of gen. func.: ogf

$$\frac{(3 x - 1) (x - 3)}{x^4 - 15 x^3 + 32 x^2 - 15 x + 1}$$

Sequence: A161498
Score: 4.1181
Type of gen. func.: ogf

$$-(7372128 f(x) - 147437)$$

$$(f(x) x^4 - 13 f(x) x^3 + 36 f(x) x^2 - 13 f(x) x + x^2 + f(x) - 1)$$

Sequence: A161498
Score: 7.69480
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 13 x^4 - 4 x^3 + 52 x^2 - 74 x + 13}{(x - 1) (x + 1) (x^4 - 13 x^3 + 36 x^2 - 13 x + 1)}$$

Sequence: A161498
Score: 8.66012
Type of gen. func.: ogf

$$-\frac{(x - 1) (x + 1)}{x^4 - 13 x^3 + 36 x^2 - 13 x + 1}$$

Sequence: A161499
Score: 17.3571
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{18 - 19 x}{x - 1}$$

Sequence: A161512
Score: 16.7226
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{19 - 20 x}{x - 1}$$

Sequence: A161513
Score: 14.5981
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{20 - 21 x}{x - 1}$$

Sequence: A161518

Score: 14.9103
Type of gen. func.: ogf_with_Euler_transform]

```
  21 - 22 x
- ---------
    x - 1
```

Sequence: A161521
Score: 15.2226
Type of gen. func.: ogf_with_Euler_transform]

```
  22 - 23 x
- ---------
    x - 1
```

Sequence: A161523
Score: 15.4568
Type of gen. func.: ogf_with_Euler_transform]

```
  23 - 24 x
- ---------
    x - 1
```

Sequence: A161524
Score: 15.6910
Type of gen. func.: ogf_with_Euler_transform]

```
  24 - 25 x
- ---------
    x - 1
```

Sequence: A161525
Score: 16.0813
Type of gen. func.: ogf_with_Euler_transform]

```
  25 - 26 x
- ---------
    x - 1
```

Sequence: A161526
Score: 16.3155
Type of gen. func.: ogf_with_Euler_transform]

```
  26 - 27 x
- ---------
```

```
                                      x - 1


------------------------------------------------------------------------------

Sequence:  A161530
Score: 16.3936
Type of gen. func.: ogf_with_Euler_transform]


                                    27 - 28 x
                                  - ---------
                                      x - 1


------------------------------------------------------------------------------

Sequence:  A161532
Score: 13.2546
Type of gen. func.: ogf


                                    2
                                 5 x  - 8 x - 1
                                 --------------
                                           3
                                    (x - 1)


------------------------------------------------------------------------------

Sequence:  A161532
Score: 22.6609
Type of gen. func.: lgdogf


                                (x + 1) (5 x - 11)
                           - ------------------------
                                            2
                             (x - 1) (5 x  - 8 x - 1)


------------------------------------------------------------------------------

Sequence:  A161532
Score: 6.97009
Type of gen. func.: ogf


                            3            2                  2
   (125 f(x) - 2253) (f(x) x  - 3 f(x) x  + 3 f(x) x - 5 x  - f(x) + 8 x + 1)


------------------------------------------------------------------------------

Sequence:  A161532
Score: 7.09239
Type of gen. func.: ogf


  {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 11, a(2) = 25}


------------------------------------------------------------------------------
```

Sequence: A161549
Score: 12.5798
Type of gen. func.: ogf

$$\frac{11 x^2 - 14 x - 1}{(x - 1)^3}$$

Sequence: A161549
Score: 20.4530
Type of gen. func.: lgdogf

$$- \frac{(x + 1) (11 x - 17)}{(x - 1) (11 x^2 - 14 x - 1)}$$

Sequence: A161549
Score: 6.77375
Type of gen. func.: ogf

$$(38 f(x) - 2943) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 11 x^2 - f(x) + 14 x + 1)$$

Sequence: A161549
Score: 6.95200
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 17, a(2) = 37\}$$

Sequence: A161561
Score: 6.24671
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^6 + x^3 + 1) (90 x^{10} - 90 x^9 - 9 x + 10)}{(x - 1) (10 x^9 - 1)}$$

Sequence: A161571
Score: 16.7839
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{28 - 29 x}{x - 1}$$

Sequence: A161572
Score: 15.5932
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{29 - 30 x}{x - 1}$$

Sequence: A161573
Score: 15.6700
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{30 - 31 x}{x - 1}$$

Sequence: A161581
Score: 4.13755
Type of gen. func.: ogf

$$\{(27 n^2 + 243 n + 546) a(n + 1) + (-n^2 - 13 n - 42) a(n + 2), a(0) = 21,$$
$$a(1) = 231\}$$

Sequence: A161582
Score: 12.6241
Type of gen. func.: ogf

$$-\frac{7 x}{(x - 1) (x^2 - 47 x + 1)}$$

Sequence: A161582
Score: 16.7148
Type of gen. func.: lgdogf

$$-\frac{3 (x^2 - 32 x + 16)}{\quad}$$

$$(x - 1) (x^2 - 47 x + 1)$$

Sequence: A161582
Score: 5.15943
Type of gen. func.: ogf

$$\{a(n + 3) - 48 a(n + 2) + 48 a(n + 1) - a(n), a(0) = 0, a(1) = 7, a(2) = 336\}$$

Sequence: A161582
Score: 7.51056
Type of gen. func.: ogf

$$f(x) x^3 - 48 f(x) x^2 + 48 f(x) x - f(x) + 7 x$$

Sequence: A161583
Score: 12.1925
Type of gen. func.: ogf

$$- \frac{17 x}{(x - 1) (x^2 - 287 x + 1)}$$

Sequence: A161583
Score: 16.2623
Type of gen. func.: lgdogf

$$- \frac{3 (x^2 - 192 x + 96)}{(x - 1) (x^2 - 287 x + 1)}$$

Sequence: A161583
Score: 5.12288
Type of gen. func.: ogf

$$\{a(n + 3) - 288 a(n + 2) + 288 a(n + 1) - a(n), a(0) = 0, a(1) = 17, a(2) = 4896\}$$

Sequence: A161583
Score: 7.43442
Type of gen. func.: ogf

$$f(x)\,x^3 - 288\,f(x)\,x^2 + 288\,f(x)\,x - f(x) + 17\,x$$

Sequence: A161584
Score: 12.3644
Type of gen. func.: lgdogf

$$-\frac{3\,x^2 - 448\,x + 224}{(x - 1)\,(x^2 - 223\,x + 1)}$$

Sequence: A161584
Score: 4.11685
Type of gen. func.: ogf

$$\{a(n + 3) - 224\,a(n + 2) + 224\,a(n + 1) - a(n),\ a(0) = 0,\ a(1) = 15,\ a(2) = 3360\}$$

Sequence: A161584
Score: 5.97446
Type of gen. func.: ogf

$$f(x)\,x^3 - 224\,f(x)\,x^2 + 224\,f(x)\,x - f(x) + 15\,x$$

Sequence: A161584
Score: 9.79810
Type of gen. func.: ogf

$$-\frac{15\,x}{(x - 1)\,(x^2 - 223\,x + 1)}$$

Sequence: A161585
Score: 14.0989
Type of gen. func.: ogf

$$-\frac{9x}{(x-1)(x^2-79x+1)}$$

Sequence: A161585
Score: 18.1759
Type of gen. func.: lgdogf

$$-\frac{3x^2-160x+80}{(x-1)(x^2-79x+1)}$$

Sequence: A161585
Score: 5.76217
Type of gen. func.: ogf

$$\{a(n+3)-80a(n+2)+80a(n+1)-a(n), a(0)=0, a(1)=9, a(2)=720\}$$

Sequence: A161585
Score: 8.38796
Type of gen. func.: ogf

$$f(x)x^3-80f(x)x^2+80f(x)x-f(x)+9x$$

Sequence: A161586
Score: 3.97619
Type of gen. func.: ogf

$$\{a(4+n)-120a(n+3)+120a(n+2)-a(n+1), a(0)=0, a(1)=1320,$$
$$a(2)=157080, a(3)=18691211\}$$

Sequence: A161586
Score: 4.05733
Type of gen. func.: ogf

$$(23856810481 f(x)+262424289600)$$
$$(f(x)x^3-120f(x)x^2+11x^3+120f(x)x-1320x^2-f(x)+1320x)$$

Sequence: A161586
Score: 7.84774
Type of gen. func.: ogf

$$-\frac{11 x (x^2 - 120 x + 120)}{(x - 1) (x^2 - 119 x + 1)}$$

Sequence: A161587
Score: 12.0186
Type of gen. func.: ogf

$$-\frac{4 x^2 + 21 x + 1}{(x - 1)^3}$$

Sequence: A161587
Score: 19.2210
Type of gen. func.: lgdogf

$$-\frac{2 (x + 12) (2 x + 1)}{(x - 1) (4 x^2 + 21 x + 1)}$$

Sequence: A161587
Score: 5.96123
Type of gen. func.: ogf

$(4025580 f(x) - 50087197)$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) + 21 x + 1)$$

Sequence: A161587
Score: 6.53644
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 24, a(2) = 73\}$$

Sequence: A161588
Score: 13.2153
Type of gen. func.: ogf

$$-\frac{13\,x}{(x-1)\,(x^2-167\,x+1)}$$

Sequence: A161588
Score: 17.6389
Type of gen. func.: lgdogf

$$-\frac{3\,(x^2-112\,x+56)}{(x-1)\,(x^2-167\,x+1)}$$

Sequence: A161588
Score: 5.55264
Type of gen. func.: ogf

{a(n + 3) - 168 a(n + 2) + 168 a(n + 1) - a(n), a(0) = 0, a(1) = 13,

a(2) = 2184}

Sequence: A161588
Score: 8.0581
Type of gen. func.: ogf

$$f(x)\,x^3-168\,f(x)\,x^2+168\,f(x)\,x-f(x)+13\,x$$

Sequence: A161591
Score: 14.9142
Type of gen. func.: ogf

$$\frac{x+1}{x^2-15\,x+1}$$

Sequence: A161591

Score: 15.6809
Type of gen. func.: revogf

$$-\frac{-15 x - 1 + (221 x^{2} + 34 x + 1)^{1/2}}{2 (x - 1)}$$

Sequence: A161591
Score: 20.4326
Type of gen. func.: lgdogf

$$-\frac{x^{2} + 2 x - 16}{(x + 1) (x^{2} - 15 x + 1)}$$

Sequence: A161591
Score: 7.79607
Type of gen. func.: ogf

$$(119 f(x) + 9) (f(x) x^{2} - 15 f(x) x + f(x) - x - 1)$$

Sequence: A161591
Score: 8.16732
Type of gen. func.: ogf

$$\{-a(n + 2) + 15 a(n + 1) - a(n), a(0) = 1, a(1) = 16\}$$

Sequence: A161595
Score: 15.4903
Type of gen. func.: ogf

$$-\frac{x - 1}{x^{2} - 17 x + 1}$$

Sequence: A161595
Score: 16.2971
Type of gen. func.: revogf

$$^{2} \qquad\qquad ^{1/2}$$

$$-\frac{-1 - 17 x + (285 x + 30 x + 1)}{2 (x + 1)}$$

Sequence: A161595
Score: 21.8993
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x + 16}{(x - 1) (x^2 - 17 x + 1)}$$

Sequence: A161595
Score: 7.74515
Type of gen. func.: ogf

$$-(135 f(x) - 7) (f(x) x^2 - 17 f(x) x + f(x) + x - 1)$$

Sequence: A161595
Score: 8.48279
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1) + a(n), a(0) = 1, a(1) = 16\}$$

Sequence: A161599
Score: 15.5543
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - 17 x + 1}$$

Sequence: A161599
Score: 16.3656
Type of gen. func.: revogf

$$-\frac{-1 - 17 x + (285 x^2 + 38 x + 1)^{1/2}}{2 (x - 1)}$$

Sequence: A161599
Score: 21.3249
Type of gen. func.: lgdogf

$$-\frac{x^2 + 2 x - 18}{(x + 1) (x^2 - 17 x + 1)}$$

Sequence: A161599
Score: 8.22412
Type of gen. func.: ogf

$$(76 f(x) + 5) (f(x) x^2 - 17 f(x) x + f(x) - x - 1)$$

Sequence: A161599
Score: 8.51785
Type of gen. func.: ogf

$$\{-a(n + 2) + 17 a(n + 1) - a(n), a(0) = 1, a(1) = 18\}$$

Sequence: A161617
Score: 11.7891
Type of gen. func.: ogf

$$\frac{11 x^2 - 26 x - 1}{(x - 1)^3}$$

Sequence: A161617
Score: 18.1965
Type of gen. func.: lgdogf

$$-\frac{11 x^2 - 30 x - 29}{(x - 1) (11 x^2 - 26 x - 1)}$$

Sequence: A161617
Score: 6.29419
Type of gen. func.: ogf

$$(305 f(x) - 8907) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 11 x^2 - f(x) + 26 x + 1)$$

Sequence: A161617
Score: 6.51504
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 29, a(2) = 73\}$$

Sequence: A161634
Score: 38.3306
Type of gen. func.: revogf

$$\frac{x}{x^3 + 2 x^2 + x + 1}$$

Sequence: A161634
Score: 8.63184
Type of gen. func.: ogf

$$x^3 f(x)^3 + 2 f(x)^2 x^2 + f(x) x - f(x) + 1$$

Sequence: A161636
Score: 15.7468
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{31 - 32 x}{x - 1}$$

Sequence: A161640
Score: 14.7222
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{32 - 33 x}{x - 1}$$

Sequence: A161646
Score: 14.7977
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{33 - 34 x}{x - 1}$$

Sequence: A161647
Score: 14.7977
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{34 - 35 x}{x - 1}$$

Sequence: A161648
Score: 13.7107
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{35 - 36 x}{x - 1}$$

Sequence: A161649
Score: 13.7848
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{36 - 37 x}{x - 1}$$

Sequence: A161650
Score: 13.7848
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{37 - 38 x}{x - 1}$$

Sequence: A161651
Score: 14.1554

Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{38 - 39 x}{x - 1}$$

Sequence: A161652
Score: 14.3036
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{39 - 40 x}{x - 1}$$

Sequence: A161653
Score: 14.3777
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{40 - 41 x}{x - 1}$$

Sequence: A161662
Score: 14.5260
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{41 - 42 x}{x - 1}$$

Sequence: A161663
Score: 14.7483
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{42 - 43 x}{x - 1}$$

Sequence: A161668
Score: 14.7483
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{43 - 44 x}{x - 1}$$

Sequence: A161679
Score: 14.8224
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{44 - 45 x}{x - 1}$$

Sequence: A161680
Score: 10.0956
Type of gen. func.: ogf

$$f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x)$$

Sequence: A161680
Score: 101.220
Type of gen. func.: lgdogf

$$-\frac{3}{x - 1}$$

Sequence: A161680
Score: 19.9449
Type of gen. func.: ogf

$$-\frac{x^2}{(x - 1)^3}$$

Sequence: A161680
Score: 62.6084
Type of gen. func.: ogf_with_Euler_transform]

[3]

Sequence: A161680
Score: 7.43401

Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A161690
Score: 15.1188
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{45 - 46 x}{x - 1}$$

Sequence: A161691
Score: 15.1930
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{46 - 47 x}{x - 1}$$

Sequence: A161696
Score: 13.3244
Type of gen. func.: lgdogf

$$\frac{9 x^6 + 6 x^5 + 14 x^4 + 8 x^3 + 10 x^2 + 4 x + 3}{(x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A161696
Score: 14.8118
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^5 - x^3 - x + 3]$$

Sequence: A161697
Score: 10.6273
Type of gen. func.: lgdogf

$$2 (2 x^4 + x^3 + x^2 + x + 1) (4 x^6 + x^5 + 4 x^4 + 4 x^2 + x + 2)$$

2 2 4 2

$$(x + 1) (x + x + 1) (x - x + 1) (x + 1) (x + 1)$$

Sequence: A161697
Score: 14.6820
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{7} - x^{5} - x^{3} - x + 4$$

Sequence: A161697
Score: 6.48685
Type of gen. func.: ogf

$$(x^{4} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1)^{2} (x + 1)^{4}$$

Sequence: A161698
Score: 9.31722
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(- \frac{5}{x^{11}} + \frac{5}{x^{9}} + \frac{1}{x^{10}} - 1\right) x^{11}}{(x + 1) (x - 1)}$$

Sequence: A161698
Score: 9.31722
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(- \frac{5}{x^{11}} + \frac{5}{x^{9}} + \frac{1}{x^{10}} - 1\right) x^{11}}{(x + 1) (x - 1)}$$

Sequence: A161699
Score: 10.4827
Type of gen. func.: ogf_with_Euler_transform]

$$\left(\frac{1}{x^{12}} + \frac{6}{x^{11}} - \frac{6}{x^{13}} - 1\right) x^{13}$$

$$\frac{}{(x - 1) (x + 1)}$$

Sequence: A161699
Score: 10.4827
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(\frac{1}{x^{12}} + \frac{6}{x^{11}} - \frac{6}{x^{13}} - 1\right) x^{13}}{(x - 1) (x + 1)}$$

Sequence: A161701
Score: 12.7881
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^4 - 2 x^3 + 6 x^2 - 4 x + 1)}{(x - 1) (2 x^4 - 4 x^3 + 6 x^2 - 4 x + 1)}$$

Sequence: A161701
Score: 3.92986
Type of gen. func.: ogf

$$\{(-n^2 - 7 n - 12) a(n + 1) + (2 n^2 + 9 n + 4) a(n + 2) + (-n^2 - 2 n + 3) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 4, a(4) = 6\}$$

Sequence: A161701
Score: 7.51964
Type of gen. func.: ogf

$$\frac{2 x^4 - 4 x^3 + 6 x^2 - 4 x + 1}{(x - 1)^6}$$

Sequence: A161702

Score: 16.1188
Type of gen. func.: lgdogf

$$-\frac{2(1+3x)(x^2+x-1)}{(x-1)(6x^3-5x^2+2x-1)}$$

Sequence: A161702
Score: 4.19520
Type of gen. func.: ogf

$$\{(7n+14)a(n+1)+(-12n-12)a(n+2)+(5n+4)a(n+3),\ a(0)=1,$$
$$a(1)=2,\ a(2)=7\}$$

Sequence: A161702
Score: 4.48857
Type of gen. func.: ogf

$$-(6f(x)-119)$$
$$(f(x)x^4-4f(x)x^3+6f(x)x^2+6x^3-4f(x)x-5x^2+f(x)+2x-1)$$

Sequence: A161702
Score: 8.33591
Type of gen. func.: ogf

$$-\frac{6x^3-5x^2+2x-1}{(x-1)^4}$$

Sequence: A161703
Score: 10.0315
Type of gen. func.: ogf

$$\frac{9x^3-x^2-x+1}{(x-1)^4}$$

Sequence: A161703
Score: 18.0373
Type of gen. func.: lgdogf

$$-\frac{(x+3)\,(9x^2-2x+1)}{(x-1)\,(9x^3-x^2-x+1)}$$

Sequence: A161703
Score: 4.08689
Type of gen. func.: ogf

$$\{(59n^2+403n+570)\,a(n+1)+(-130n^2-656n-378)\,a(n+2)$$

$$+\,(71n^2+217n+12)\,a(n+3),\ a(0)=1,\ a(1)=3,\ a(2)=5\}$$

Sequence: A161703
Score: 5.51731
Type of gen. func.: ogf

$$(52\,f(x)+115)$$

$$(f(x)\,x^4-4\,f(x)\,x^3+6\,f(x)\,x^2-9x^3-4\,f(x)\,x+x^2+f(x)+x-1)$$

Sequence: A161704
Score: 6.65964
Type of gen. func.: ogf

$$\frac{18x^5-7x^4-2x^3+6x^2-4x+1}{(x-1)^6}$$

Sequence: A161704
Score: 9.84273
Type of gen. func.: lgdogf

$$-\frac{2\,(9x^5+38x^4-17x^3+9x^2-4x+1)}{(x-1)\,(18x^5-7x^4-2x^3+6x^2-4x+1)}$$

Sequence: A161705
Score: 10.1887
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 19\}$$

Sequence: A161705
Score: 18.3840
Type of gen. func.: ogf

$$\frac{17 x + 1}{(x - 1)^{2}}$$

Sequence: A161705
Score: 23.0474
Type of gen. func.: revogf

$$- \frac{-1 - 2 x + (1 + 72 x)^{1/2}}{2 (-17 + x)}$$

Sequence: A161705
Score: 33.1883
Type of gen. func.: lgdogf

$$- \frac{19 + 17 x}{(17 x + 1) (x - 1)}$$

Sequence: A161705
Score: 9.50185
Type of gen. func.: ogf

$$(36 f(x) + 325) (f(x) x^{2} - 2 f(x) x + f(x) - 17 x - 1)$$

Sequence: A161706
Score: 5.61282
Type of gen. func.: ogf

$$-\frac{21 x^5 - 15 x^4 + 9 x^3 - 7 x^2 + 4 x - 1}{(x - 1)^6}$$

Sequence: A161706
Score: 9.68628
Type of gen. func.: lgdogf

$$-\frac{21 x^5 + 75 x^4 - 33 x^3 - x^2 + 6 x - 2}{(x - 1) (21 x^5 - 15 x^4 + 9 x^3 - 7 x^2 + 4 x - 1)}$$

Sequence: A161707
Score: 17.9945
Type of gen. func.: lgdogf

$$-\frac{7 x^3 + 23 x^2 - x + 3}{(x - 1) (7 x^3 + x^2 - x + 1)}$$

Sequence: A161707
Score: 3.87903
Type of gen. func.: ogf

$$\{(-287 n^2 - 1624 n - 2100) a(n + 1) + (486 n^2 + 1926 n + 621) a(n + 2)$$
$$+ (-199 n^2 - 566 n + 93) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 7\}$$

Sequence: A161707
Score: 5.08467
Type of gen. func.: ogf

$$-(9856 f(x) + 18677)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 7 x^3 - 4 f(x) x - x^2 + f(x) + x - 1)$$

Sequence: A161707

Score: 9.77314
Type of gen. func.: ogf

$$\frac{7 x^3 + x^2 - x + 1}{(x - 1)^4}$$

Sequence: A161708
Score: 14.9070
Type of gen. func.: lgdogf

$$- \frac{2 (7 x^3 + 12 x^2 - 6 x - 1)}{(x - 1) (14 x^3 - 9 x^2 + 2 x - 1)}$$

Sequence: A161708
Score: 4.44323
Type of gen. func.: ogf

$$-(5562 f(x) - 79213) ($$

$$f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 14 x^3 - 4 f(x) x - 9 x^2 + f(x) + 2 x - 1)$$

Sequence: A161708
Score: 8.48771
Type of gen. func.: ogf

$$- \frac{14 x^3 - 9 x^2 + 2 x - 1}{(x - 1)^4}$$

Sequence: A161709
Score: 10.0447
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 23\}$$

Sequence: A161709
Score: 18.1242

Type of gen. func.: ogf

$$\frac{21 x + 1}{(x - 1)^2}$$

Sequence: A161709
Score: 22.7196
Type of gen. func.: revogf

$$- \frac{-1 - 2 x + (1 + 88 x)^{1/2}}{2 (-21 + x)}$$

Sequence: A161709
Score: 32.7163
Type of gen. func.: lgdogf

$$- \frac{23 + 21 x}{(21 x + 1) (x - 1)}$$

Sequence: A161709
Score: 9.36756
Type of gen. func.: ogf

$$(44 f(x) + 485) (f(x) x^2 - 2 f(x) x + f(x) - 21 x - 1)$$

Sequence: A161710
Score: 4.17257
Type of gen. func.: ogf

$$- \frac{24 x^7 - 18 x^6 + 12 x^5 - 16 x^4 + 20 x^3 - 15 x^2 + 6 x - 1}{(x - 1)^8}$$

Sequence: A161710
Score: 6.48222
Type of gen. func.: lgdogf

$$-\frac{2\,(12 x^7 + 66 x^6 - 36 x^5 - 2 x^4 + 18 x^3 - 15 x^2 + 6 x - 1)}{(x - 1)\,(24 x^7 - 18 x^6 + 12 x^5 - 16 x^4 + 20 x^3 - 15 x^2 + 6 x - 1)}$$

Sequence: A161711
Score: 14.3048
Type of gen. func.: lgdogf

$$-\frac{2\,(9 x^3 + 16 x^2 - 8 x - 1)}{(x - 1)\,(18 x^3 - 11 x^2 + 2 x - 1)}$$

Sequence: A161711
Score: 4.42708
Type of gen. func.: ogf

$$(5376 f(x) - 81245) \left(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 18 x^3 - 4 f(x) x - 11 x^2 + f(x) + 2 x - 1 \right)$$

Sequence: A161711
Score: 8.18171
Type of gen. func.: ogf

$$-\frac{18 x^3 - 11 x^2 + 2 x - 1}{(x - 1)^4}$$

Sequence: A161712
Score: 15.6974
Type of gen. func.: lgdogf

$$-\frac{5 x^3 + 21 x^2 + 3 x + 3}{(x - 1)\,(x + 1)\,(5 x^2 - 2 x + 1)}$$

Sequence: A161712
Score: 4.27575
Type of gen. func.: ogf

$$\{(-3 n - 6) a(n + 1) + (4 n - 1) a(n + 2) + (-n + 1) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 27, a(4) = 65\}$$

Sequence: A161712
Score: 5.83358
Type of gen. func.: ogf

$$f(x) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 5 x^3 - 4 f(x) x - 3 x^2 + f(x) + x - 1)$$

Sequence: A161712
Score: 9.77314
Type of gen. func.: ogf

$$\frac{(x + 1) (5 x^2 - 2 x + 1)}{(x - 1)^4}$$

Sequence: A161713
Score: 5.65046
Type of gen. func.: ogf

$$- \frac{7 x^5 - 7 x^4 + 7 x^3 - 7 x^2 + 4 x - 1}{(x - 1)^6}$$

Sequence: A161713
Score: 9.82659
Type of gen. func.: lgdogf

$$- \frac{7 x^5 + 21 x^4 - 7 x^3 - 7 x^2 + 6 x - 2}{(x - 1) (7 x^5 - 7 x^4 + 7 x^3 - 7 x^2 + 4 x - 1)}$$

Sequence: A161714

Score: 18.0293
Type of gen. func.: ogf

$$\frac{27 x + 1}{(x - 1)^2}$$

Sequence: A161714
Score: 21.9919
Type of gen. func.: revogf

$$- \frac{-1 - 2 x + (1 + 112 x)^{1/2}}{2 (-27 + x)}$$

Sequence: A161714
Score: 32.5480
Type of gen. func.: lgdogf

$$- \frac{29 + 27 x}{(27 x + 1) (x - 1)}$$

Sequence: A161714
Score: 9.31853
Type of gen. func.: ogf

$$(56 f(x) + 785) (f(x) x^2 - 2 f(x) x + f(x) - 27 x - 1)$$

Sequence: A161714
Score: 9.99214
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 29\}$$

Sequence: A161715
Score: 4.65924
Type of gen. func.: ogf

$$\frac{84 x^7 - 51 x^6 + 18 x^5 + 8 x^4 - 19 x^3 + 15 x^2 - 6 x + 1}{}$$

$$(x - 1)^{8}$$

Sequence: A161715
Score: 6.32736
Type of gen. func.: lgdogf

$$- \frac{84 x^{7} + 486 x^{6} - 252 x^{5} + 122 x^{4} - 63 x^{3} + 33 x^{2} - 12 x + 2}{(x - 1) (84 x^{7} - 51 x^{6} + 18 x^{5} + 8 x^{4} - 19 x^{3} + 15 x^{2} - 6 x + 1)}$$

Sequence: A161718
Score: 13.0775
Type of gen. func.: ogf

$$-f(x) x^{2} - 2 f(x) x + 3 x^{2} - f(x) + 1$$

Sequence: A161718
Score: 17.8814
Type of gen. func.: ogf

$$\frac{3 x^{2} + 1}{(x + 1)^{2}}$$

Sequence: A161718
Score: 37.7939
Type of gen. func.: lgdogf

$$\frac{2 (-1 + 3 x)}{(x + 1) (3 x^{2} + 1)}$$

Sequence: A161718
Score: 8.59009
Type of gen. func.: ogf

$$\{a(n + 3) + 2 a(n + 2) + a(n + 1), a(0) = 1, a(1) = -2, a(2) = 6\}$$

Sequence: A161726
Score: 10.0805
Type of gen. func.: ogf

$$-\frac{10397 x^2 - 19874 x + 9479}{(x-1)^3}$$

Sequence: A161726
Score: 14.3792
Type of gen. func.: lgdogf

$$-\frac{10397 x^2 - 18954 x + 8563}{(x-1)(10397 x^2 - 19874 x + 9479)}$$

Sequence: A161726
Score: 5.14748
Type of gen. func.: ogf

$$(1235968 f(x) + 73284047471583)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 10397 x^2 - f(x) - 19874 x + 9479)$$

Sequence: A161726
Score: 5.99831
Type of gen. func.: ogf

$$\{a(n+3) - 3 a(n+2) + 3 a(n+1) - a(n), a(0) = 9479, a(1) = 8563,$$

$$a(2) = 7649\}$$

Sequence: A161727
Score: 12.6414
Type of gen. func.: revogf

$$-\frac{-1 - 8 x + ((2 x + 1)(6 x + 1))^{1/2}}{2 (2 + 13 x)}$$

Sequence: A161727
Score: 12.9061
Type of gen. func.: ogf

$$-\frac{2x-1}{13x^2-8x+1}$$

Sequence: A161727
Score: 14.1830
Type of gen. func.: lgdogf

$$-\frac{2(13x^2-13x+3)}{(2x-1)(13x^2-8x+1)}$$

Sequence: A161727
Score: 6.82393
Type of gen. func.: ogf

$$(11f(x)+7)(13f(x)x^2-8f(x)x+f(x)+2x-1)$$

Sequence: A161727
Score: 7.15278
Type of gen. func.: ogf

$$\{-a(n+2)+8a(n+1)-13a(n), a(0)=1, a(1)=6\}$$

Sequence: A161728
Score: 12.9723
Type of gen. func.: ogf

$$-\frac{x-1}{13x^2-8x+1}$$

Sequence: A161728
Score: 13.2852

Type of gen. func.: revogf

$$-\frac{-1 - 8 x + (12 x^2 + 12 x + 1)^{1/2}}{2 (1 + 13 x)}$$

Sequence: A161728
Score: 15.7986
Type of gen. func.: lgdogf

$$-\frac{13 x^2 - 26 x + 7}{(x - 1) (13 x^2 - 8 x + 1)}$$

Sequence: A161728
Score: 7.18947
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 13 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A161728
Score: 9.06468
Type of gen. func.: ogf

$$(30 f(x) + 19) (13 f(x) x^2 - 8 f(x) x + f(x) + x - 1)$$

Sequence: A161729
Score: 13.8738
Type of gen. func.: revogf

$$-\frac{-16 x - 1 + (48 x^2 + 32 x + 1)^{1/2}}{104 x}$$

Sequence: A161729
Score: 16.1861
Type of gen. func.: ogf

$$\frac{1}{}$$

$$52 x^2 - 16 x + 1$$

Sequence: A161729
Score: 19.8197
Type of gen. func.: lgdogf

$$-\frac{8 (-2 + 13 x)}{52 x^2 - 16 x + 1}$$

Sequence: A161729
Score: 6.66486
Type of gen. func.: ogf

$$\{-a(n + 2) + 16 a(n + 1) - 52 a(n), a(0) = 1, a(1) = 16\}$$

Sequence: A161729
Score: 8.96253
Type of gen. func.: ogf

$$(1769 f(x) + 2327) (52 f(x) x^2 - 16 f(x) x + f(x) - 1)$$

Sequence: A161731
Score: 12.4428
Type of gen. func.: ogf

$$-\frac{-1 + 3 x}{14 x^2 - 8 x + 1}$$

Sequence: A161731
Score: 13.3379
Type of gen. func.: revogf

$$-\frac{-1 - 8 x + (8 x^2 + 4 x + 1)^{1/2}}{2 (3 + 14 x)}$$

Sequence: A161731
Score: 14.3639
Type of gen. func.: lgdogf

$$-\frac{42 x^2 - 28 x + 5}{(-1 + 3 x) (14 x^2 - 8 x + 1)}$$

Sequence: A161731
Score: 6.22142
Type of gen. func.: ogf

$$-(12 f(x) + 13) (14 f(x) x^2 - 8 f(x) x + f(x) + 3 x - 1)$$

Sequence: A161731
Score: 6.89602
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 14 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A161734
Score: 14.6002
Type of gen. func.: ogf

$$-\frac{4 x - 1}{23 x^2 - 10 x + 1}$$

Sequence: A161734
Score: 15.6709
Type of gen. func.: revogf

$$-\frac{-1 - 10 x + (8 x^2 + 4 x + 1)^{1/2}}{2 (4 + 23 x)}$$

Sequence: A161734
Score: 16.0440
Type of gen. func.: lgdogf

$$-\frac{2 (46 x^2 - 23 x + 3)}{(4 x - 1) (23 x^2 - 10 x + 1)}$$

Sequence: A161734
Score: 7.45882
Type of gen. func.: ogf

$$-(7 f(x) + 11) (23 f(x) x^2 - 10 f(x) x + f(x) + 4 x - 1)$$

Sequence: A161734
Score: 8.16918
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 23 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A161740
Score: 10.0551
Type of gen. func.: lgdogf

$$-\frac{119 x^3 + 915 x^2 + 1341 x + 425}{(x - 1) (17 x^3 + 108 x^2 + 125 x + 30)}$$

Sequence: A161740
Score: 4.15265
Type of gen. func.: ogf

$$\frac{x (17 x^3 + 108 x^2 + 125 x + 30)}{(x - 1)^{10}}$$

Sequence: A161741
Score: 5.88228
Type of gen. func.: lgdogf

$$1085 x^6 + 17394 x^5 + 65676 x^4 + 80296 x^3 + 32445 x^2 + 3318 x - 14$$

$$(x - 1) (155 x^6 + 2058 x^5 + 6154 x^4 + 5568 x^3 + 1431 x^2 + 38 x - 4)$$

Sequence: A161762
Score: 8.93905
Type of gen. func.: lgdogf

$$- \frac{3 x^6 + 6 x^5 - 16 x^4 - 16 x^3 + 14 x^2 - 1}{(x + 1) (x^2 - 3 x + 1) (x^2 + x - 1) (x^2 + 2 x - 1)}$$

Sequence: A161762
Score: 9.23183
Type of gen. func.: ogf

$$\frac{x^2 + 2 x - 1}{(x + 1) (x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A161770
Score: 2.35056
Type of gen. func.: ogf

$$(11111 f(x) + 3530000) (10 f(x) x^2 - 11 f(x) x + f(x) - 1000)$$

Sequence: A161770
Score: 8.32475
Type of gen. func.: lgdogf

$$- \frac{-11 + 20 x}{(10 x - 1) (x - 1)}$$

Sequence: A161794
Score: 8.50073
Type of gen. func.: ogf

$$- \frac{12 x^{35} + 2 x^{32} + 2 x^{29} + 4 x^{22} + 6 x^{10} + 2 x^8 + 2 x^4 + 2 x^2 + x + 1}{}$$

$$x - 1$$

Sequence: A161797
Score: 21.9484
Type of gen. func.: revogf

$$\frac{x (x - 1)^3}{x^3 - 3 x^2 + 2 x - 1}$$

Sequence: A161809
Score: 7.63754
Type of gen. func.: lgdogf

$$- 3 (27 x^{20} + 5 x^{19} + 5 x^{18} - 12 x^{17} + 3 x^{11} - x^{10} - x^9 - 6 x^8 - 3 x^2 - x - 1) \Big/ ((x - 1) (x^2 + x + 1) (5 x^{18} - x^9 - 1))$$

Sequence: A161816
Score: 3.10148
Type of gen. func.: ogf

$$-(f(x) - 1) (-4 x^3 + 2 f(x) x - f(x) + 1)$$

Sequence: A161816
Score: 5.67344
Type of gen. func.: ogf

$$\frac{4 x^3 - 1}{2 x - 1}$$

Sequence: A161816
Score: 6.30951
Type of gen. func.: lgdogf

$$\frac{2 (8 x^3 - 6 x^2 + 1)}{\quad}$$

$$(2x-1)(4x^3-1)$$

Sequence: A161826
Score: 10.2624
Type of gen. func.: ogf

$$\frac{x^{10}+x^8+x^5-3x^4-x^3-2x^2-x-1}{(x-1)(x+1)}$$

Sequence: A161826
Score: 8.70422
Type of gen. func.: lgdogf

$$\frac{8x^{11}-4x^9-8x^7+3x^6-6x^5-6x^4+12x^3+4x^2+6x+1}{(x-1)(x+1)(x^{10}+x^8+x^5-3x^4-x^3-2x^2-x-1)}$$

Sequence: A161852
Score: 11.7489
Type of gen. func.: ogf

$$-\frac{(x-1)(x^2+6x+1)}{x^4-16x^2+1}$$

Sequence: A161852
Score: 7.04934
Type of gen. func.: ogf

$$(96390 f(x)-33863)(f(x)x^4-16 f(x)x^2+x^3+5x^2+f(x)-5x-1)$$

Sequence: A161870
Score: 29.5369
Type of gen. func.: ogf_with_Euler_transform]

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              2
   - -------------
        2
```

$$-x + 2 x - 1$$

Sequence: A161872
Score: 7.55726
Type of gen. func.: ogf

$$x (3 x^{28} - 3 x^{27} + x^{18} - x^{17} + 5 x^{16} - 5 x^{15} + x^{14} - x^{13} - 2 x^{2} + 2 x - 2)/(x - 1)$$

Sequence: A161905
Score: 6.80431
Type of gen. func.: ogf

$$- \frac{26 x^{5} - 130 x^{4} + 169 x^{3} - 91 x^{2} + 22 x - 2}{13 x^{6} - 91 x^{5} + 182 x^{4} - 156 x^{3} + 65 x^{2} - 13 x + 1}$$

Sequence: A161909
Score: 14.6239
Type of gen. func.: ogf

$$- \frac{x^{2}}{(2 x + 1) (x - 1) (2 x^{2} + 2 x + 1)}$$

Sequence: A161909
Score: 16.4968
Type of gen. func.: lgdogf

$$- \frac{16 x^{3} + 6 x^{2} - 4 x - 3}{(x - 1) (2 x + 1) (2 x^{2} + 2 x + 1)}$$

Sequence: A161909
Score: 6.4055
Type of gen. func.: ogf

4 3 2 2

$$(2 f(x) - 1) (4 f(x) x + 2 f(x) x - 2 f(x) x - 3 f(x) x + x - f(x))$$

Sequence: A161935
Score: 13.9424
Type of gen. func.: ogf

$$-\frac{x (25 x + 1)}{(x - 1)^3}$$

Sequence: A161935
Score: 27.0518
Type of gen. func.: lgdogf

$$-\frac{2 (14 + 25 x)}{(25 x + 1) (x - 1)}$$

Sequence: A161935
Score: 6.57446
Type of gen. func.: ogf

$$-(206180 f(x) - 1765233) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 25 x^2 - f(x) + x)$$

Sequence: A161935
Score: 7.22016
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 28\}$$

Sequence: A161936
Score: 3.17808
Type of gen. func.: ogf

$$\{(4 n^2 + 20 n + 24) a(n + 1) + (10 n^2 + 66 n + 108) a(n + 2) + (6 n^2 + 43 n + 76) a(n + 3) + (-9 - 3 n) a(n + 4), a(0) = 0, a(1) = 3, a(2) = 14, a(3) = 117\}$$

Sequence: A161937
Score: 4.29213
Type of gen. func.: ogf

$$\{(-2 n^2 - 14 n - 24) a(n + 1) + (-2 n^2 - 13 n - 20) a(n + 2) + (n + 3) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 15\}$$

Sequence: A161938
Score: 13.7716
Type of gen. func.: ogf

$$- \frac{4 x - 3}{2 x^2 - 4 x + 1}$$

Sequence: A161938
Score: 15.5643
Type of gen. func.: revogf

$$- \frac{-3 - 4 x + (8 x^2 + 8 x + 9)^{1/2}}{4 (x + 2)}$$

Sequence: A161938
Score: 15.9739
Type of gen. func.: lgdogf

$$- \frac{4 (2 x^2 - 3 x + 2)}{(4 x - 3) (2 x^2 - 4 x + 1)}$$

Sequence: A161938
Score: 6.96315
Type of gen. func.: ogf

$$-(5 f(x) + 1) (2 f(x) x^2 - 4 f(x) x + f(x) + 4 x - 3)$$

Sequence: A161938
Score: 7.55756
Type of gen. func.: ogf

$$\{a(n+2) - 4a(n+1) + 2a(n), a(0) = 3, a(1) = 8\}$$

Sequence: A161939
Score: 12.7611
Type of gen. func.: ogf

$$-\frac{10x - 3}{14x^2 - 8x + 1}$$

Sequence: A161939
Score: 13.9903
Type of gen. func.: lgdogf

$$-\frac{14(10x^2 - 6x + 1)}{(10x - 3)(14x^2 - 8x + 1)}$$

Sequence: A161939
Score: 14.3315
Type of gen. func.: revogf

$$-\frac{-3 - 8x + (8x^2 + 8x + 9)^{1/2}}{4(5 + 7x)}$$

Sequence: A161939
Score: 6.44915
Type of gen. func.: ogf

$$-(33f(x) + 97)(14f(x)x^2 - 8f(x)x + f(x) + 10x - 3)$$

Sequence: A161939
Score: 7.14012
Type of gen. func.: ogf

{a(n + 2) - 8 a(n + 1) + 14 a(n), a(0) = 3, a(1) = 14}

Sequence: A161940
Score: 12.1078
Type of gen. func.: ogf

$$-\frac{13 x - 3}{23 x^2 - 10 x + 1}$$

Sequence: A161940
Score: 12.9361
Type of gen. func.: lgdogf

$$-\frac{299 x^2 - 138 x + 17}{(13 x - 3) (23 x^2 - 10 x + 1)}$$

Sequence: A161940
Score: 12.9361
Type of gen. func.: revogf

$$-\frac{-3 - 10 x + (8 x^2 + 8 x + 9)^{1/2}}{2 (13 + 23 x)}$$

Sequence: A161940
Score: 6.1176
Type of gen. func.: ogf

$$-(32 f(x) + 193) (23 f(x) x^2 - 10 f(x) x + f(x) + 13 x - 3)$$

Sequence: A161940
Score: 6.83732
Type of gen. func.: ogf

{a(n + 2) - 10 a(n + 1) + 23 a(n), a(0) = 3, a(1) = 17}

Sequence: A161941
Score: 14.5207
Type of gen. func.: ogf

$$-\frac{3 x - 2}{2 x^2 - 4 x + 1}$$

Sequence: A161941
Score: 17.7933
Type of gen. func.: lgdogf

$$-\frac{6 x^2 - 8 x + 5}{(3 x - 2) (2 x^2 - 4 x + 1)}$$

Sequence: A161941
Score: 18.3016
Type of gen. func.: revogf

$$-\frac{-1 - 2 x + (2 x^2 + x + 1)^{1/2}}{3 + 2 x}$$

Sequence: A161941
Score: 7.26035
Type of gen. func.: ogf

$$-(12 f(x) + 1) (2 f(x) x^2 - 4 f(x) x + f(x) + 3 x - 2)$$

Sequence: A161941
Score: 7.96870
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + 2 a(n), a(0) = 2, a(1) = 5\}$$

Sequence: A161944
Score: 12.9824
Type of gen. func.: ogf

$$-\frac{5x-2}{7x^2-6x+1}$$

Sequence: A161944
Score: 15.0485
Type of gen. func.: lgdogf

$$-\frac{7(5x^2-4x+1)}{(5x-2)(7x^2-6x+1)}$$

Sequence: A161944
Score: 16.3384
Type of gen. func.: revogf

$$-\frac{-1-3x+(2x^2+x+1)^{1/2}}{5+7x}$$

Sequence: A161944
Score: 6.41986
Type of gen. func.: ogf

$$-(18 f(x)+13)(7 f(x) x^2-6 f(x) x+f(x)+5x-2)$$

Sequence: A161944
Score: 7.12448
Type of gen. func.: ogf

$$\{a(n+2)-6a(n+1)+7a(n), a(0)=2, a(1)=7\}$$

Sequence: A161947
Score: 12.1104
Type of gen. func.: ogf

$$-\frac{9x-2}{23x^2-10x+1}$$

Sequence: A161947
Score: 13.2668
Type of gen. func.: lgdogf

$$-\frac{207 x^2 - 92 x + 11}{(9 x - 2) (23 x^2 - 10 x + 1)}$$

Sequence: A161947
Score: 15.4779
Type of gen. func.: revogf

$$-\frac{-1 - 5 x + (2 x^2 + x + 1)^{1/2}}{9 + 23 x}$$

Sequence: A161947
Score: 6.12031
Type of gen. func.: ogf

$$-(18 f(x) + 85) (23 f(x) x^2 - 10 f(x) x + f(x) + 9 x - 2)$$

Sequence: A161947
Score: 6.69634
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 23 a(n), a(0) = 2, a(1) = 11\}$$

Sequence: A161969
Score: 11.7984
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-8 x^3 + 8 x^2 - 16 x + 8}{x^4 - 1}$$

Sequence: A161999
Score: 5.47209
Type of gen. func.: ogf

$$(165924 f(x) + 107171) (99 f(x) x^4 - 20 f(x) x^2 + 10 x^3 - x^2 + f(x) - x)$$

Sequence: A161999
Score: 7.31202
Type of gen. func.: lgdogf

$$- \frac{1980 x^5 - 297 x^4 - 396 x^3 + 20 x^2 + 20 x + 1}{(-1 + 3 x) (3 x + 1) (11 x^2 - 1) (10 x^2 - x - 1)}$$

Sequence: A161999
Score: 9.40517
Type of gen. func.: ogf

$$- \frac{x (10 x^2 - x - 1)}{(-1 + 3 x) (3 x + 1) (11 x^2 - 1)}$$

Sequence: A162008
Score: 4.69240
Type of gen. func.: ogf

$$- \frac{8 (135 x^3 + 96 x^2 - 37 x - 2)}{(-1 + 25 x) (9 x - 1)^2 (x - 1)^3}$$

Sequence: A162008
Score: 5.33486
Type of gen. func.: lgdogf

$$- \frac{3 (30375 x^5 + 26865 x^4 - 26194 x^3 + 5386 x^2 + 475 x - 43)}{(x - 1) (-1 + 25 x) (9 x - 1) (135 x^3 + 96 x^2 - 37 x - 2)}$$

Sequence: A162012
Score: 4.41879
Type of gen. func.: ogf

$$-\frac{x\,(19\,x^4 + 492\,x^3 + 1218\,x^2 + 492\,x + 19)}{(x - 1)^9}$$

Sequence: A162012
Score: 7.94512
Type of gen. func.: lgdogf

$$-\frac{95\,x^4 + 3028\,x^3 + 10002\,x^2 + 6372\,x + 663}{(x - 1)\,(19\,x^4 + 492\,x^3 + 1218\,x^2 + 492\,x + 19)}$$

Sequence: A162024
Score: 11.8188
Type of gen. func.: ogf

$$-\frac{x^3 + x^2 - x + 7}{(x - 1)^3}$$

Sequence: A162024
Score: 26.6729
Type of gen. func.: lgdogf

$$-\frac{4\,(x^2 + 5)}{(x - 1)\,(x^3 + x^2 - x + 7)}$$

Sequence: A162024
Score: 6.04074
Type of gen. func.: ogf

$\{a(n + 4) - 3\,a(n + 3) + 3\,a(n + 2) - a(n + 1),\ a(0) = 7,\ a(1) = 20,\ a(2) = 40,$

$a(3) = 68\}$

Sequence: A162024
Score: 6.68443
Type of gen. func.: ogf

$$(79 f(x) - 828) (f(x) x^3 - 3 f(x) x^2 + x^3 + 3 f(x) x + x^2 - f(x) - x + 7)$$

Sequence: A162028
Score: 4.03354
Type of gen. func.: ogf

$$- (22 x^{12} - 233 x^{11} + 1092 x^{10} - 2957 x^9 + 4971 x^8 - 4896 x^7 + 1459 x^6 + 3290 x^5 - 5707 x^4 + 4677 x^3 - 2279 x^2 + 639 x - 86) / (x - 1)^{12}$$

Sequence: A162147
Score: 11.8263
Type of gen. func.: ogf

$$\frac{x (3 + 2 x)}{(x - 1)^4}$$

Sequence: A162147
Score: 31.5653
Type of gen. func.: lgdogf

$$- \frac{2 (7 + 3 x)}{(3 + 2 x) (x - 1)}$$

Sequence: A162147
Score: 5.09079
Type of gen. func.: ogf

$\{(6 + 3 n) a(n + 3) + (-15 - n) a(n + 2) + (-6 - 2 n) a(n + 1), a(0) = 0,$

$a(1) = 3, a(2) = 14\}$

```
Sequence:  A162147
Score: 5.69414
Type of gen. func.: ogf


(145250 f(x) + 318613)

           4           3           2                 2
    (f(x) x  - 4 f(x) x  + 6 f(x) x  - 4 f(x) x - 2 x  + f(x) - 3 x)
```

```
--------------------------------------------------------------------------------
```

```
Sequence:  A162148
Score: 11.8834
Type of gen. func.: ogf


                                   x (x + 4)
                                   ---------
                                          4
                                   (x - 1)
```

```
--------------------------------------------------------------------------------
```

```
Sequence:  A162148
Score: 36.2515
Type of gen. func.: lgdogf


                                    17 + 3 x
                               - ---------------
                                 (x + 4) (x - 1)
```

```
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```

```
Sequence:  A162148
Score: 5.11538
Type of gen. func.: ogf


{(8 + 4 n) a(n + 3) + (-20 - 3 n) a(n + 2) + (-3 - n) a(n + 1), a(0) = 0,

    a(1) = 4, a(2) = 17}
```

```
--------------------------------------------------------------------------------
```

```
Sequence:  A162148
Score: 5.72165
Type of gen. func.: ogf


(178625 f(x) + 456161)

           4           3           2               2
    (f(x) x  - 4 f(x) x  + 6 f(x) x  - 4 f(x) x - x  + f(x) - 4 x)
```

```
--------------------------------------------------------------------------------
```

```
Sequence:  A162155
Score: 4.58226
```

Type of gen. func.: ogf

$$\frac{3x^{10}-5x^{9}+2x^{8}-4x^{7}+6x^{6}-58x^{5}+8x^{4}-4x^{3}-x^{2}-9x-2}{(x+1)^{2}(x-1)^{3}(x^{2}+1)^{3}}$$

Sequence: A162162
Score: 30.0326
Type of gen. func.: revogf

$$-\frac{x(x-1)}{x^{3}+x^{2}+1}$$

Sequence: A162162
Score: 7.96577
Type of gen. func.: ogf

$$x^{3}f(x)^{3}+f(x)^{2}x^{2}+f(x)^{2}x-f(x)+1$$

Sequence: A162180
Score: 11.8471
Type of gen. func.: lgdogf

$$-\frac{x^{6}+4x^{5}-9x^{4}+4x^{3}+3x^{2}+4x-3}{(x-1)(x+1)(x^{2}+1)(x^{3}+2x^{2}-3x+1)}$$

Sequence: A162207
Score: 13.3047
Type of gen. func.: lgdogf

$$\frac{2(6x^{6}+4x^{5}+9x^{4}+5x^{3}+7x^{2}+3x+2)}{(x+1)(x^{2}+1)(x^{2}+x+1)(x^{2}-x+1)}$$

Sequence: A162207
Score: 15.5916

Type of gen. func.: ogf_with_Euler_transform]

$$[-x^5 - 2x^3 - x + 4]$$

Sequence: A162207
Score: 7.50806
Type of gen. func.: ogf

$$(x^2 + x + 1) (x^2 - x + 1) (x^2 + 1)^2 (x + 1)^4$$

Sequence: A162208
Score: 13.0723
Type of gen. func.: ogf_with_Euler_transform]

$$-x^7 - x^5 - x^4 - x^3 - x + 5$$

Sequence: A162208
Score: 4.97747
Type of gen. func.: ogf

$$(x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x^2 + 1)^2 (x + 1)^4$$

Sequence: A162209
Score: 14.7977
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9 - x^7 - 2x^5 - x^3 - x + 6$$

Sequence: A162209
Score: 4.40841
Type of gen. func.: ogf

$$(x^4 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^2 + 1)^2 (x^2 + x + 1)^2$$

$$(x^2 - x + 1)^2 (x + 1)^6$$

Sequence: A162254
Score: 10.8314
Type of gen. func.: ogf

$$-\frac{(x+1)(x-4)}{(x-1)^4}$$

Sequence: A162254
Score: 21.5504
Type of gen. func.: lgdogf

$$-\frac{2x^2-7x-19}{(x-1)(x-4)(x+1)}$$

Sequence: A162254
Score: 3.68161
Type of gen. func.: ogf

$$\{(-4n-16)a(n+4)+(22+n)a(n+3)+(15+4n)a(n+2)$$
$$+(-3-n)a(n+1), a(0)=4, a(1)=19, a(2)=51, a(3)=106\}$$

Sequence: A162254
Score: 5.26314
Type of gen. func.: ogf

$$(5084640 f(x) + 35210003)$$
$$(f(x)x^4 - 4f(x)x^3 + 6f(x)x^2 - 4f(x)x + x^2 + f(x) - 3x - 4)$$

Sequence: A162255
Score: 12.2058
Type of gen. func.: ogf

$$\{-a(n+2) + 2a(n), a(0) = 3, a(1) = 2\}$$

Sequence: A162255
Score: 17.3594
Type of gen. func.: ogf

$$-2 f(x) x^2 + f(x) - 2 x - 3$$

Sequence: A162255
Score: 19.0530
Type of gen. func.: ogf

$$-\frac{3 + 2 x}{2 x^2 - 1}$$

Sequence: A162256
Score: 11.1736
Type of gen. func.: ogf

$$-\frac{3 x^2 - 7 x - 2}{(x - 1)^4}$$

Sequence: A162256
Score: 20.4384
Type of gen. func.: lgdogf

$$-\frac{3 (2 x^2 - 5 x - 5)}{(x - 1) (3 x^2 - 7 x - 2)}$$

Sequence: A162256
Score: 3.99469
Type of gen. func.: ogf

$$\{(-2 n - 8) a(n + 4) - 5 n a(n + 3) + (35 + 10 n) a(n + 2)$$
$$+ (-9 - 3 n) a(n + 1), a(0) = 2, a(1) = 15, a(2) = 45, a(3) = 98\}$$

Sequence: A162256
Score: 5.42941
Type of gen. func.: ogf

$$(5380128 f(x) + 59532251)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + 3 x^2 + f(x) - 7 x - 2)$$

Sequence: A162257
Score: 10.9612
Type of gen. func.: ogf

$$-\frac{(7 x - 1) (x - 2)}{(x - 1)^4}$$

Sequence: A162257
Score: 20.4384
Type of gen. func.: lgdogf

$$-\frac{14 x^2 - 31 x - 7}{(x - 1) (x - 2) (7 x - 1)}$$

Sequence: A162257
Score: 3.77974
Type of gen. func.: ogf

$$\{(2 n + 8) a(n + 4) + (-44 - 17 n) a(n + 3) + (75 + 22 n) a(n + 2)$$

$$+ (-21 - 7 n) a(n + 1), a(0) = -2, a(1) = 7, a(2) = 33, a(3) = 82\}$$

Sequence: A162257
Score: 5.32838
Type of gen. func.: ogf

$$(5971104 f(x) + 129868331)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + 7 x^2 + f(x) - 15 x + 2)$$

Sequence: A162258
Score: 10.9612
Type of gen. func.: ogf

$$6 x^2 - 13 x + 1$$

$$- \frac{}{(x - 1)^4}$$

Sequence: A162258
Score: 19.9005
Type of gen. func.: lgdogf

$$- \frac{3 (4 x^2 - 9 x - 3)}{(x - 1) (6 x^2 - 13 x + 1)}$$

Sequence: A162258
Score: 3.77974
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-33 - 14 n) a(n + 3) + (65 + 19 n) a(n + 2)$$

$$+ (-18 - 6 n) a(n + 1), a(0) = -1, a(1) = 9, a(2) = 36, a(3) = 86\}$$

Sequence: A162258
Score: 5.32838
Type of gen. func.: ogf

$$(5823360 f(x) + 109391423)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + 6 x^2 + f(x) - 13 x + 1)$$

Sequence: A162259
Score: 10.8069
Type of gen. func.: ogf

$$- \frac{10 x^2 - 21 x + 5}{(x - 1)^4}$$

Sequence: A162259
Score: 19.3903
Type of gen. func.: lgdogf

2

$$-\frac{20 x - 43 x - 1}{(x - 1) (10 x^2 - 21 x + 5)}$$

Sequence: A162259
Score: 3.72469
Type of gen. func.: ogf

$$\{(-5 n - 20) a(n + 4) + (77 + 26 n) a(n + 3) + (-105 - 31 n) a(n + 2)$$
$$+ (30 + 10 n) a(n + 1), a(0) = -5, a(1) = 1, a(2) = 24, a(3) = 70\}$$

Sequence: A162259
Score: 5.29163
Type of gen. func.: ogf

$$(6414336 f(x) + 203886671)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + 10 x^2 + f(x) - 21 x + 5)$$

Sequence: A162260
Score: 11.1945
Type of gen. func.: ogf

$$-\frac{(2 x + 1) (x - 2)}{(x - 1)^4}$$

Sequence: A162260
Score: 21.0436
Type of gen. func.: lgdogf

$$-\frac{4 x^2 - 5 x - 11}{(x - 1) (x - 2) (2 x + 1)}$$

Sequence: A162260
Score: 3.86212
Type of gen. func.: ogf

$$\{(-2 n - 8) a(n + 4) + (8 - n) a(n + 3) + (15 + 5 n) a(n + 2)$$

$+ (-6 - 2 n) a(n + 1), a(0) = 2, a(1) = 11, a(2) = 30, a(3) = 62\}$

Sequence: A162260
Score: 5.59727
Type of gen. func.: ogf

$$(30645 f(x) + 328132)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + 2 x^2 + f(x) - 3 x - 2)$$

Sequence: A162261
Score: 11.6256
Type of gen. func.: ogf

$$- \frac{x (5 x - 11)}{(x - 1)^4}$$

Sequence: A162261
Score: 28.0082
Type of gen. func.: lgdogf

$$- \frac{3 (-13 + 5 x)}{(x - 1) (5 x - 11)}$$

Sequence: A162261
Score: 4.91851
Type of gen. func.: ogf

$$\{(-22 - 11 n) a(n + 3) + (55 + 16 n) a(n + 2) + (-15 - 5 n) a(n + 1), a(0) = 0,$$

$$a(1) = 11, a(2) = 39\}$$

Sequence: A162261
Score: 5.52005
Type of gen. func.: ogf

$$(5675616 f(x) + 90891491)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + 5 x^2 + f(x) - 11 x)$$

Sequence: A162262
Score: 10.9612
Type of gen. func.: ogf

$$-\frac{8 x^2 - 17 x + 3}{(x - 1)^4}$$

Sequence: A162262
Score: 19.9005
Type of gen. func.: lgdogf

$$-\frac{16 x^2 - 35 x - 5}{(x - 1) (8 x^2 - 17 x + 3)}$$

Sequence: A162262
Score: 3.76121
Type of gen. func.: ogf

$$\{(3 n + 12) a(n + 4) + (-55 - 20 n) a(n + 3) + (85 + 25 n) a(n + 2)$$
$$+ (-24 - 8 n) a(n + 1), a(0) = -3, a(1) = 5, a(2) = 30, a(3) = 78\}$$

Sequence: A162262
Score: 5.32838
Type of gen. func.: ogf

$$(6118848 f(x) + 152394791)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + 8 x^2 + f(x) - 17 x + 3)$$

Sequence: A162263
Score: 10.8314
Type of gen. func.: ogf

$$\frac{4 x^2 - 7 x + 9}{(x - 1)^4}$$

Sequence: A162263
Score: 20.3531
Type of gen. func.: lgdogf

$$-\frac{8x^2 - 13x + 29}{(x-1)(4x^2 - 7x + 9)}$$

Sequence: A162263
Score: 5.30047
Type of gen. func.: ogf

$$(4345920 f(x) + 1380983)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 4 x^2 + f(x) + 7 x - 9)$$

Sequence: A162264
Score: 10.8314
Type of gen. func.: ogf

$$\frac{2x^2 - 3x + 7}{(x-1)^4}$$

Sequence: A162264
Score: 20.9346
Type of gen. func.: lgdogf

$$-\frac{4x^2 - 5x + 25}{(x-1)(2x^2 - 3x + 7)}$$

Sequence: A162264
Score: 5.26314
Type of gen. func.: ogf

$$(4641408 f(x) + 10650911)$$

4 3 2 2

$$(f(x)\ x\ - 4 f(x)\ x\ + 6 f(x)\ x\ - 4 f(x)\ x - 2 x\ + f(x) + 3 x - 7)$$

Sequence: A162265
Score: 11.1736
Type of gen. func.: ogf

$$-\frac{4 x^2 - 9 x - 1}{(x - 1)^4}$$

Sequence: A162265
Score: 20.4384
Type of gen. func.: lgdogf

$$-\frac{8 x^2 - 19 x - 13}{(x - 1) (4 x^2 - 9 x - 1)}$$

Sequence: A162265
Score: 3.79791
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (-11 - 8 n) a(n + 3) + (45 + 13 n) a(n + 2)$$
$$+ (-12 - 4 n) a(n + 1), a(0) = 1, a(1) = 13, a(2) = 42, a(3) = 94\}$$

Sequence: A162265
Score: 5.42941
Type of gen. func.: ogf

$$(5527872 f(x) + 74295959)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + 4 x^2 + f(x) - 9 x - 1)$$

Sequence: A162266
Score: 10.6295
Type of gen. func.: ogf

$$\frac{9 x^2 - 17 x + 14}{}$$

$$(x - 1)^4$$

Sequence: A162266
Score: 18.5010
Type of gen. func.: lgdogf

$$-\frac{3 (6 x^2 - 11 x + 13)}{(x - 1) (9 x^2 - 17 x + 14)}$$

Sequence: A162266
Score: 5.27758
Type of gen. func.: ogf

$$(3607200 f(x) - 1167637)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 9 x^2 + f(x) + 17 x - 14)$$

Sequence: A162267
Score: 10.8314
Type of gen. func.: ogf

$$\frac{x^2 - x + 6}{(x - 1)^4}$$

Sequence: A162267
Score: 25.2659
Type of gen. func.: lgdogf

$$-\frac{2 x^2 - x + 23}{(x - 1) (x^2 - x + 6)}$$

Sequence: A162267
Score: 3.69983
Type of gen. func.: ogf

$$\{(-6 n - 24) a(n + 4) + (44 + 7 n) a(n + 3) + (-5 - 2 n) a(n + 2)$$

$$+ (n + 3) a(n + 1), a(0) = 6, a(1) = 23, a(2) = 57, a(3) = 114\}$$

Sequence: A162267
Score: 5.37674
Type of gen. func.: ogf

$$(208224 f(x) + 754093)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - x^2 + f(x) + x - 6)$$

Sequence: A162268
Score: 15.1060
Type of gen. func.: ogf

$$\frac{3 x - 5}{x^2 + 2 x - 1}$$

Sequence: A162268
Score: 16.6610
Type of gen. func.: revogf

$$\frac{-5 - 2 x + (8 x^2 + 8 x + 25)^{1/2}}{2 (-3 + x)}$$

Sequence: A162268
Score: 18.5122
Type of gen. func.: lgdogf

$$- \frac{3 x^2 - 10 x - 7}{(3 x - 5) (x^2 + 2 x - 1)}$$

Sequence: A162268
Score: 7.47
Type of gen. func.: ogf

2

$$-(24 f(x) - 71) (f(x) x + 2 f(x) x - f(x) - 3 x + 5)$$

Sequence: A162268
Score: 8.28987
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + a(n), a(0) = 5, a(1) = 7\}$$

Sequence: A162269
Score: 14.0540
Type of gen. func.: ogf

$$-\frac{8 x - 5}{2 x^{2} - 4 x + 1}$$

Sequence: A162269
Score: 15.4930
Type of gen. func.: revogf

$$-\frac{-5 - 4 x + (8 x^{2} + 8 x + 25)^{1/2}}{4 (x + 4)}$$

Sequence: A162269
Score: 16.3084
Type of gen. func.: lgdogf

$$-\frac{4 (4 x^{2} - 5 x + 3)}{(8 x - 5) (2 x^{2} - 4 x + 1)}$$

Sequence: A162269
Score: 7.10599
Type of gen. func.: ogf

$$-(7 f(x) + 1) (2 f(x) x^{2} - 4 f(x) x + f(x) + 8 x - 5)$$

Sequence: A162269
Score: 7.61966
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + 2 a(n), a(0) = 5, a(1) = 12\}$$

Sequence: A162270
Score: 13.2377
Type of gen. func.: ogf

$$-\frac{13 x - 5}{7 x^2 - 6 x + 1}$$

Sequence: A162270
Score: 13.8737
Type of gen. func.: revogf

$$-\frac{-5 - 6 x + (8 x^2 + 8 x + 25)^{1/2}}{2 (13 + 7 x)}$$

Sequence: A162270
Score: 14.9143
Type of gen. func.: lgdogf

$$-\frac{91 x^2 - 70 x + 17}{(13 x - 5) (7 x^2 - 6 x + 1)}$$

Sequence: A162270
Score: 6.54769
Type of gen. func.: ogf

$$-(32 f(x) + 129) (7 f(x) x^2 - 6 f(x) x + f(x) + 13 x - 5)$$

Sequence: A162270
Score: 7.33657
Type of gen. func.: ogf

$$\{a(n+2) - 6\,a(n+1) + 7\,a(n),\ a(0) = 5,\ a(1) = 17\}$$

Sequence: A162271
Score: 11.6642
Type of gen. func.: ogf

$$-\frac{18\,x - 5}{14\,x^2 - 8\,x + 1}$$

Sequence: A162271
Score: 12.1872
Type of gen. func.: lgdogf

$$-\frac{2\,(126\,x^2 - 70\,x + 11)}{(18\,x - 5)\,(14\,x^2 - 8\,x + 1)}$$

Sequence: A162271
Score: 12.7675
Type of gen. func.: revogf

$$-\frac{-5 - 8\,x + (8\,x^2 + 8\,x + 25)^{1/2}}{4\,(9 + 7\,x)}$$

Sequence: A162271
Score: 5.9589
Type of gen. func.: ogf

$$-(9\,f(x) + 76)\,(14\,f(x)\,x^2 - 8\,f(x)\,x + f(x) + 18\,x - 5)$$

Sequence: A162271
Score: 6.52642
Type of gen. func.: ogf

$$\{a(n+2) - 8\,a(n+1) + 14\,a(n),\ a(0) = 5,\ a(1) = 22\}$$

Sequence: A162272
Score: 12.3016
Type of gen. func.: ogf

$$-\frac{2x-1}{22x^2-10x+1}$$

Sequence: A162272
Score: 12.5821
Type of gen. func.: revogf

$$-\frac{-1-10x+(12x^2+12x+1)^{1/2}}{4(1+11x)}$$

Sequence: A162272
Score: 13.4808
Type of gen. func.: lgdogf

$$-\frac{4(11x^2-11x+2)}{(2x-1)(22x^2-10x+1)}$$

Sequence: A162272
Score: 6.88305
Type of gen. func.: ogf

$$\{-a(n+2)+10a(n+1)-22a(n), a(0)=1, a(1)=8\}$$

Sequence: A162272
Score: 9.01004
Type of gen. func.: ogf

$$(9f(x)+7)(22f(x)x^2-10f(x)x+f(x)+2x-1)$$

Sequence: A162273
Score: 13.6006
Type of gen. func.: ogf

$$-\frac{3x-2}{6x^2-6x+1}$$

Sequence: A162273
Score: 14.6259
Type of gen. func.: revogf

$$-\frac{-1-3x+(3x^2+3x+1)^{1/2}}{3(2x+1)}$$

Sequence: A162273
Score: 15.7806
Type of gen. func.: lgdogf

$$-\frac{3(6x^2-8x+3)}{(3x-2)(6x^2-6x+1)}$$

Sequence: A162273
Score: 6.58093
Type of gen. func.: ogf

$$-(284 f(x)+161)(6 f(x) x^2-6 f(x) x+f(x)+3x-2)$$

Sequence: A162273
Score: 7.46373
Type of gen. func.: ogf

$$\{a(n+2)-6a(n+1)+6a(n), a(0)=2, a(1)=9\}$$

Sequence: A162274
Score: 11.9178
Type of gen. func.: ogf

$$-\frac{5x-2}{\quad^2}$$

$$13 x - 8 x + 1$$

Sequence: A162274
Score: 13.4059
Type of gen. func.: lgdogf

$$-\frac{65 x^2 - 52 x + 11}{(5 x - 2) (13 x^2 - 8 x + 1)}$$

Sequence: A162274
Score: 14.1115
Type of gen. func.: revogf

$$-\frac{-1 - 4 x + (3 x^2 + 3 x + 1)^{1/2}}{5 + 13 x}$$

Sequence: A162274
Score: 5.9589
Type of gen. func.: ogf

$$-(36 f(x) + 49) (13 f(x) x^2 - 8 f(x) x + f(x) + 5 x - 2)$$

Sequence: A162274
Score: 6.52642
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 13 a(n), a(0) = 2, a(1) = 11\}$$

Sequence: A162275
Score: 15.3894
Type of gen. func.: ogf

$$-\frac{7 x - 2}{22 x^2 - 10 x + 1}$$

Sequence: A162275
Score: 16.9271
Type of gen. func.: lgdogf

$$-\frac{154 x^2 - 88 x + 13}{(7 x - 2) (22 x^2 - 10 x + 1)}$$

Sequence: A162275
Score: 18.7089
Type of gen. func.: revogf

$$-\frac{-1 - 5 x + (3 x^2 + 3 x + 1)^{1/2}}{7 + 22 x}$$

Sequence: A162275
Score: 7.77746
Type of gen. func.: ogf

$$-(42 f(x) + 85) (22 f(x) x^2 - 10 f(x) x + f(x) + 7 x - 2)$$

Sequence: A162275
Score: 8.50945
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 22 a(n), a(0) = 2, a(1) = 13\}$$

Sequence: A162285
Score: 11.3942
Type of gen. func.: ogf

$$-(2 f(x) - 1) (f(x) x^4 - x^3 + x^2 + f(x) + x - 1)$$

Sequence: A162285
Score: 17.3911
Type of gen. func.: ogf

$$\frac{(x + 1)(x - 1)}{x^4 + 1}$$

Sequence: A162285
Score: 28.2485
Type of gen. func.: lgdogf

$$-\frac{x^5 - x^4 - 4x^3 - 3x - 1}{(x - 1)(x + 1)(x^4 + 1)}$$

Sequence: A162285
Score: 29.9774
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 - x^3 - x - 1$$

Sequence: A162316
Score: 14.5133
Type of gen. func.: lgdogf

$$-\frac{2(7x^2 - 9x - 13)}{(x - 1)(14x^2 - 23x - 1)}$$

Sequence: A162316
Score: 4.91623
Type of gen. func.: ogf

$$(2524 f(x) - 122763)(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 14 x^2 - f(x) + 23 x + 1)$$

Sequence: A162316
Score: 5.21811
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 26, a(2) = 61\}$$

Sequence: A162316
Score: 9.44229
Type of gen. func.: ogf

$$\frac{14 x^{2} - 23 x - 1}{(x - 1)^{3}}$$

Sequence: A162326
Score: 26.0163
Type of gen. func.: revogf

$$\frac{x (2 x - 1)}{(2 x + 1) (x - 1)}$$

Sequence: A162326
Score: 5.17686
Type of gen. func.: ogf

$$\{9 a(n) n + (-10 n - 6) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A162326
Score: 6.64245
Type of gen. func.: lgdogf

$$- \frac{x - 1 + 2 (9 x - 1)^{1/2} (x - 1)^{1/2} x - (9 x - 1)^{1/2} (x - 1)^{1/2}}{2 (9 x - 1)^{1/2} (x - 1)^{3/2} x}$$

Sequence: A162326
Score: 8.26954
Type of gen. func.: ogf

$$2 f(x)^{2} x - 2 f(x)^{2} - 5 f(x) x + 5 f(x) + 2 x - 3$$

Sequence: A162330
Score: 11.6266

Type of gen. func.: ogf

$$-\frac{x^4 - x^3 - x^2 + x - 2}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A162330
Score: 12.5433
Type of gen. func.: lgdogf

$$-\frac{(x^2 - 2 x - 1) (x^5 + x^4 + 4 x^2 + x + 1)}{(x - 1) (x + 1) (x^2 + 1) (x^4 - x^3 - x^2 + x - 2)}$$

Sequence: A162330
Score: 8.52615
Type of gen. func.: ogf

$$f(x) x^5 - f(x) x^4 + x^4 - x^3 - f(x) x - x^2 + f(x) + x - 2$$

Sequence: A162356
Score: 12.7076
Type of gen. func.: ogf

$$-\frac{7 x - 2}{14 x^2 - 8 x + 1}$$

Sequence: A162356
Score: 14.6761
Type of gen. func.: lgdogf

$$-\frac{98 x^2 - 56 x + 9}{(7 x - 2) (14 x^2 - 8 x + 1)}$$

Sequence: A162356
Score: 14.6761

Type of gen. func.: revogf

$$-\frac{-1 - 4 x + (2 x^2 + x + 1)^{1/2}}{7 (2 x + 1)}$$

Sequence: A162356
Score: 6.35379
Type of gen. func.: ogf

$$-(16 f(x) + 49) (14 f(x) x^2 - 8 f(x) x + f(x) + 7 x - 2)$$

Sequence: A162356
Score: 7.04275
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 14 a(n), a(0) = 2, a(1) = 9\}$$

Sequence: A162395
Score: 15.5005
Type of gen. func.: ogf

$$-\frac{x - 1}{(x + 1)^3}$$

Sequence: A162395
Score: 38.9182
Type of gen. func.: ogf_with_Euler_transform]

$$[-4 + 3 x]$$

Sequence: A162395
Score: 43.0322
Type of gen. func.: lgdogf

$$-\frac{2 (x - 2)}{(x - 1) (x + 1)}$$

Sequence: A162395
Score: 7.33504
Type of gen. func.: ogf

$$\{a(n + 3) + 3 a(n + 2) + 3 a(n + 1) + a(n), a(0) = 1, a(1) = -4, a(2) = 9\}$$

Sequence: A162395
Score: 7.40112
Type of gen. func.: ogf

$$-(236 f(x) - 321) (f(x) x^{3} + 3 f(x) x^{2} + 3 f(x) x + f(x) + x - 1)$$

Sequence: A162396
Score: 12.0111
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n), a(0) = 5, a(1) = 2\}$$

Sequence: A162396
Score: 17.0824
Type of gen. func.: ogf

$$-2 f(x) x^{2} + f(x) - 2 x - 5$$

Sequence: A162396
Score: 18.7490
Type of gen. func.: ogf

$$-\frac{2 x + 5}{2 x^{2} - 1}$$

Sequence: A162396
Score: 21.5387
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^{2} + 10 x + 1)}{{}^{2}}$$

$$(2 x + 5) (2 x - 1)$$

Sequence: A162396
Score: 21.5387
Type of gen. func.: revogf

$$\frac{-5 + (8 x^2 + 8 x + 25)^{1/2}}{4 (x + 1)}$$

Sequence: A162397
Score: 25.2133
Type of gen. func.: ogf_with_Euler_transform]

$$2 x^2 - x - 2$$

Sequence: A162397
Score: 27.7134
Type of gen. func.: lgdogf

$$- \frac{2 (x^3 - 3 x - 1)}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A162397
Score: 4.86645
Type of gen. func.: ogf

$$-(9 f(x) - 71) (f(x) x^4 + 2 f(x) x^3 + 3 f(x) x^2 + 2 f(x) x + x^2 + f(x) - 1)$$

Sequence: A162397
Score: 9.73288
Type of gen. func.: ogf

$$- \frac{(x - 1) (x + 1)}{(x^2 + x + 1)^2}$$

Sequence: A162436
Score: 11.8862
Type of gen. func.: ogf

$$-(4 f(x) + 1) (3 f(x) x^2 - f(x) + 3 x + 1)$$

Sequence: A162436
Score: 12.4690
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A162436
Score: 19.4637
Type of gen. func.: ogf

$$-\frac{3 x + 1}{3 x^2 - 1}$$

Sequence: A162436
Score: 21.7658
Type of gen. func.: revogf

$$\frac{-1 + (12 x^2 + 12 x + 1)^{1/2}}{6 (x + 1)}$$

Sequence: A162436
Score: 23.0462
Type of gen. func.: lgdogf

$$-\frac{3 (3 x^2 + 2 x + 1)}{(3 x + 1) (3 x^2 - 1)}$$

Sequence: A162458
Score: 10.7853
Type of gen. func.: ogf

$$\frac{x^{38} + x^{11} + x^{8} + x^{6} + 2 x^{4} + 2 x^{3} + 3 x^{2} + 27 x - 39}{x - 1}$$

Sequence: A162460
Score: 8.64285
Type of gen. func.: lgdogf

$$- \frac{2 (x^{7} - 2 x^{6} - 7 x^{5} + 13 x^{4} + 13 x^{3} - 14 x^{2} + x + 1)}{(x + 1) (x^{2} - 3 x + 1) (x^{2} + x - 1) (x^{3} - x^{2} - 4 x + 2)}$$

Sequence: A162460
Score: 8.75861
Type of gen. func.: ogf

$$- \frac{x (x^{3} - x^{2} - 4 x + 2)}{(x + 1) (x^{2} - 3 x + 1) (x^{2} + x - 1)}$$

Sequence: A162466
Score: 14.6039
Type of gen. func.: ogf

$$- \frac{8 x + 1}{12 x^{2} - 1}$$

Sequence: A162466
Score: 15.8066
Type of gen. func.: revogf

$$\frac{-1 + (48 x^{2} + 32 x + 1)^{1/2}}{8 (2 + 3 x)}$$

Sequence: A162466
Score: 16.6848

Type of gen. func.: lgdogf

$$-\frac{8\,(12\,x^2+3\,x+1)}{(8\,x+1)\,(12\,x^2-1)}$$

Sequence: A162466
Score: 8.28871
Type of gen. func.: ogf

$$-(19\,f(x)+10)\,(12\,f(x)\,x^2-f(x)+8\,x+1)$$

Sequence: A162466
Score: 9.43637
Type of gen. func.: ogf

$$\{a(n+2)-12\,a(n),\ a(0)=1,\ a(1)=8\}$$

Sequence: A162475
Score: 4.38446
Type of gen. func.: ogf

$$-f(x)\,x^4+4\,f(x)\,x^3+x^4+f(x)^2\,x-6\,f(x)\,x^2-4\,x^3+4\,f(x)\,x+6\,x^2-f(x)-4\,x+1$$

Sequence: A162476
Score: 5.83543
Type of gen. func.: ogf

$$f(x)\,x^3+f(x)^2\,x-3\,f(x)\,x^2+3\,f(x)\,x+x^2-f(x)-2\,x+1$$

Sequence: A162477
Score: 15.9185
Type of gen. func.: revogf

$$-\frac{-1-2\,x+(4\,x^3+4\,x+1)^{1/2}}{2\,x}$$

Sequence: A162477
Score: 7.39384
Type of gen. func.: ogf

$$-f(x)^2 x + f(x) x^2 - 2 f(x) x + f(x) - 1$$

Sequence: A162478
Score: 14.8420
Type of gen. func.: lgdogf

$$-\frac{2 (3 x + 1)}{(x - 1) (x^4 - 4 x^3 + 6 x^2 - 8 x + 1)}$$

Sequence: A162478
Score: 4.77055
Type of gen. func.: ogf

$$-f(x)^2 x^4 + 4 f(x)^2 x^3 - 6 f(x)^2 x^2 + x^4 + 8 f(x)^2 x - 4 x^3 - f(x)^2 + 6 x^2 - 4 x + 1$$

Sequence: A162479
Score: 11.1069
Type of gen. func.: lgdogf

$$-\frac{x^4 - 4 x^3 + 6 x^2 - 2 x + 3}{(x - 1) (x^4 - 4 x^3 + 6 x^2 - 8 x + 1)}$$

Sequence: A162479
Score: 5.51305
Type of gen. func.: ogf

$$f(x)^2 x^4 - 4 f(x)^2 x^3 + 6 f(x)^2 x^2 - 8 f(x)^2 x + f(x)^2 - x^2 + 2 x - 1$$

Sequence: A162480
Score: 14.3527
Type of gen. func.: lgdogf

$$-\frac{2 (x - 2) (x^2 - x + 1)}{x^4 - 4 x^3 + 6 x^2 - 8 x + 1}$$

Sequence: A162480
Score: 6.21206
Type of gen. func.: ogf

$$-f(x)^2 x^4 + 4 f(x)^2 x^3 - 6 f(x)^2 x^2 + 8 f(x)^2 x - f(x)^2 + 1$$

Sequence: A162481
Score: 4.94838
Type of gen. func.: ogf

$$-f(x)^2 x^4 + 3 f(x)^2 x^3 - 3 f(x)^2 x^2 + f(x) x^3 + f(x)^2 x - 3 f(x) x^2 + 3 f(x) x - f(x) + 1$$

Sequence: A162482
Score: 6.66705
Type of gen. func.: ogf

$$-f(x)^2 x^2 - f(x) x^3 + 3 f(x) x^2 - 4 f(x) x + f(x) - 1$$

Sequence: A162483
Score: 12.2548
Type of gen. func.: ogf

$$-\frac{x^2 - 6 x + 3}{(x - 1) (x^2 - 3 x + 1)}$$

Sequence: A162483
Score: 12.8784

Type of gen. func.: lgdogf

$$-\frac{x^4 - 12 x^3 + 29 x^2 - 22 x + 6}{(x - 1) (x^2 - 3 x + 1) (x^2 - 6 x + 3)}$$

Sequence: A162483
Score: 6.50034
Type of gen. func.: ogf

$$(655 f(x) + 602) (f(x) x^3 - 4 f(x) x^2 + 4 f(x) x + x^2 - f(x) - 6 x + 3)$$

Sequence: A162483
Score: 6.61541
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 3, a(1) = 6, a(2) = 13\}$$

Sequence: A162484
Score: 5.45156
Type of gen. func.: ogf

$$(167 f(x) - 223)$$

$$(f(x) x^4 + 2 f(x) x^3 - 2 f(x) x^2 + 4 x^3 - 2 f(x) x + 6 x^2 + f(x) - 4 x - 2)$$

Sequence: A162484
Score: 7.18453
Type of gen. func.: lgdogf

$$-\frac{2 (x^6 + 3 x^5 + 2 x^4 - 2 x^3 - x^2 - x + 2)}{(x - 1) (x + 1) (x^2 + 2 x - 1) (2 x^3 + 3 x^2 - 2 x - 1)}$$

Sequence: A162484
Score: 9.98274
Type of gen. func.: ogf

$$3 \qquad 2$$

$$-\frac{2 (2 x + 3 x - 2 x - 1)}{(x - 1) (x + 1) (x^2 + 2 x - 1)}$$

Sequence: A162485
Score: 3.6883
Type of gen. func.: ogf

$$-(167 f(x) + 34)$$

$$(f(x) x^4 + 2 f(x) x^3 - 2 f(x) x^2 + 2 x^3 - 2 f(x) x + 4 x^2 + f(x) + 2 x - 4)$$

Sequence: A162485
Score: 6.89760
Type of gen. func.: ogf

$$-\frac{2 (x^3 + 2 x^2 + x - 2)}{(x - 1) (x + 1) (x^2 + 2 x - 1)}$$

Sequence: A162485
Score: 7.29915
Type of gen. func.: lgdogf

$$-\frac{x^6 + 4 x^5 + 9 x^4 - 13 x^2 + 4 x + 3}{(x - 1) (x + 1) (x^2 + 2 x - 1) (x^3 + 2 x^2 + x - 2)}$$

Sequence: A162495
Score: 6.66045
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(- \frac{3}{x^{13}} + \frac{1}{x^{12}} + \frac{3}{x^9} - 1\right) x^{13}}{(x^2 + 1) (x + 1) (x - 1)}$$

Sequence: A162495

Score: 6.66045
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(-\frac{3}{x^{13}} + \frac{1}{x^{12}} + \frac{3}{x^{9}} - 1\right) x^{13}}{(x^2 + 1)(x + 1)(x - 1)}$$

Sequence: A162496
Score: 15.5049
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{11} - x^{7} - x^{5} - x + 4$$

Sequence: A162496
Score: 5.57865
Type of gen. func.: ogf

$$(x^4 + 1)(x^4 - x^2 + 1)(x^2 + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2 (x + 1)^4$$

Sequence: A162500
Score: 6.94982
Type of gen. func.: ogf

$$(x + 1)(x^2 - x + 1)^2 (x^6 + x^3 + 1)(x^2 + x + 1)^3$$

Sequence: A162500
Score: 7.46154
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(\frac{1}{x^{9}} - \frac{3}{x^{11}} + \frac{3}{x^{8}} - 1\right) x^{11}}{(x - 1)(x^2 + x + 1)}$$

Sequence: A162500
Score: 7.46154

Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(\frac{1}{x^{9}} - \frac{3}{x^{11}} + \frac{3}{x^{8}} - 1\right) x^{11}}{(x - 1) (x^{2} + x + 1)}$$

Sequence: A162500
Score: 9.45647
Type of gen. func.: lgdogf

$$3 (5 x^{10} + 4 x^{9} + 3 x^{8} + 8 x^{7} + 6 x^{6} + 4 x^{5} + 6 x^{4} + 4 x^{3} + 2 x^{2} + 2 x + 1) \Big/ ((x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{6} + x^{3} + 1))$$

Sequence: A162505
Score: 5.42228
Type of gen. func.: ogf

$$(x^{2} + 1) (x^{4} - x^{2} + 1) (x^{6} + x^{3} + 1) (x + 1)^{2} (x^{2} - x + 1)^{2} (x^{2} + x + 1)^{4}$$

Sequence: A162505
Score: 8.34664
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(- \frac{4}{x^{14}} + \frac{4}{x^{11}} + \frac{1}{x^{12}} - 1\right) x^{14}}{(x^{2} + x + 1) (x - 1)}$$

Sequence: A162505
Score: 8.34664
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(- \frac{4}{x^{14}} + \frac{4}{x^{11}} + \frac{1}{x^{12}} - 1\right) x^{14}}{{}^{2}}$$

$$(x + x + 1) (x - 1)$$

Sequence: A162520
Score: 7.03948
Type of gen. func.: ogf

$$-\frac{9 x^{19} - x^{17} - x^{15} - x^{13} - x^{11} - x^{9} - x^{7} - x^{5} - x^{3} - x - 1}{(x^{2} + x + 1) (x^{2} - x + 1) (x^{6} + x^{3} + 1) (x^{6} - x^{3} + 1) (x - 1)^{2} (x + 1)^{2}}$$

Sequence: A162533
Score: 11.9998
Type of gen. func.: lgdogf

$$-\frac{4 x^{4} - 8 x^{3} + 2 x - 1}{(x - 1) (2 x^{2} + 2 x - 1) (2 x^{2} - 2 x + 1)}$$

Sequence: A162533
Score: 8.34496
Type of gen. func.: ogf

$$-4 f(x)^{2} x^{4} + 4 f(x)^{2} x^{2} - 4 f(x)^{2} x + f(x)^{2} - x^{2} + 2 x - 1$$

Sequence: A162540
Score: 10.3331
Type of gen. func.: ogf

$$\frac{x^{3} - 5 x^{2} + 15 x + 5}{(x - 1)^{4}}$$

Sequence: A162540
Score: 17.5851
Type of gen. func.: lgdogf

$$-\frac{x^{3} - 7 x^{2} + 35 x + 35}{}$$

$$(x - 1) (x^3 - 5 x^2 + 15 x + 5)$$

Sequence: A162540
Score: 5.63625
Type of gen. func.: ogf

$(256 f(x) + 3179)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x + 5 x^2 + f(x) - 15 x - 5)$$

Sequence: A162540
Score: 7.67603
Type of gen. func.: ogf

$$\{(-2 n - 9) a(n + 1) + (2 n + 3) a(n + 2), a(0) = 5, a(1) = 35\}$$

Sequence: A162543
Score: 6.337
Type of gen. func.: ogf

$$f(x)^2 x^3 + f(x)^2 x - f(x) x^2 + f(x) x - f(x) + 1$$

Sequence: A162548
Score: 6.75755
Type of gen. func.: ogf

$$2 f(x)^2 x^3 + 2 f(x)^2 x - f(x) x^2 - f(x) x - f(x) + 1$$

Sequence: A162551
Score: 10.8703
Type of gen. func.: revogf

$$\frac{(x^2 + 12 x + 4)^{1/2} x + 2 (x^2 + 12 x + 4)^{1/2} - 4 - 8 x + x^2}{8 x^2}$$

Sequence: A162551
Score: 5.55988
Type of gen. func.: ogf

$$\{(-4 n^2 - 14 n - 12) a(n + 1) + (n^2 + 4 n + 3) a(n + 2), a(0) = 0, a(1) = 2\}$$

Sequence: A162551
Score: 8.73695
Type of gen. func.: ogf

$$-4 f(x)^2 x^2 + f(x)^2 x - 8 f(x) x + 2 f(x) - 4 x$$

Sequence: A162557
Score: 13.3109
Type of gen. func.: revogf

$$- \frac{-1 - 8 x + (12 x^2 + 4 x + 1)^{1/2}}{2 (3 + 13 x)}$$

Sequence: A162557
Score: 14.3092
Type of gen. func.: lgdogf

$$- \frac{39 x^2 - 26 x + 5}{(-1 + 3 x) (13 x^2 - 8 x + 1)}$$

Sequence: A162557
Score: 16.9957
Type of gen. func.: ogf

$$- \frac{-1 + 3 x}{13 x^2 - 8 x + 1}$$

Sequence: A162557
Score: 8.49784
Type of gen. func.: ogf

$$-(14 f(x) + 11) (13 f(x) x^2 - 8 f(x) x + f(x) + 3 x - 1)$$

Sequence: A162557
Score: 9.41928
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 13 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A162558
Score: 12.0467
Type of gen. func.: ogf

$$-\frac{4 x - 1}{22 x^2 - 10 x + 1}$$

Sequence: A162558
Score: 12.5957
Type of gen. func.: revogf

$$-\frac{-1 - 10 x + (12 x^2 + 4 x + 1)^{1/2}}{4 (2 + 11 x)}$$

Sequence: A162558
Score: 12.8886
Type of gen. func.: lgdogf

$$-\frac{2 (44 x^2 - 22 x + 3)}{(4 x - 1) (22 x^2 - 10 x + 1)}$$

Sequence: A162558
Score: 5.95993
Type of gen. func.: ogf

$$-(163 f(x) + 161) (22 f(x) x^2 - 10 f(x) x + f(x) + 4 x - 1)$$

Sequence: A162558
Score: 6.74039
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 22 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A162559
Score: 17.7344
Type of gen. func.: ogf

$$\frac{x - 4}{2 x^2 + 2 x - 1}$$

Sequence: A162559
Score: 21.7939
Type of gen. func.: lgdogf

$$- \frac{2 x^2 - 16 x - 7}{(x - 4) (2 x^2 + 2 x - 1)}$$

Sequence: A162559
Score: 22.4166
Type of gen. func.: revogf

$$\frac{-2 - x + (3 x^2 + 3 x + 4)^{1/2}}{2 x - 1}$$

Sequence: A162559
Score: 8.76977
Type of gen. func.: ogf

$$-(30 f(x) - 71) (2 f(x) x^2 + 2 f(x) x - f(x) - x + 4)$$

Sequence: A162559
Score: 9.73232

Type of gen. func.: ogf

$$\{-a(n+2) + 2a(n+1) + 2a(n), a(0) = 4, a(1) = 7\}$$

Sequence: A162560
Score: 13.0361
Type of gen. func.: ogf

$$-\frac{10x - 3}{6x^2 - 6x + 1}$$

Sequence: A162560
Score: 13.9833
Type of gen. func.: revogf

$$-\frac{-3 - 6x + (12x^2 - 4x + 9)^{1/2}}{4(5 + 3x)}$$

Sequence: A162560
Score: 14.6824
Type of gen. func.: lgdogf

$$-\frac{4(15x^2 - 9x + 2)}{(10x - 3)(6x^2 - 6x + 1)}$$

Sequence: A162560
Score: 6.37939
Type of gen. func.: ogf

$$-(387 f(x) - 137)(6 f(x) x^2 - 6 f(x) x + f(x) + 10x - 3)$$

Sequence: A162560
Score: 7.31295
Type of gen. func.: ogf

$$\{a(n+2) - 6a(n+1) + 6a(n), a(0) = 3, a(1) = 8\}$$

Sequence: A162561
Score: 12.4822
Type of gen. func.: ogf

$$-\frac{17 x - 4}{22 x^2 - 10 x + 1}$$

Sequence: A162561
Score: 13.3446
Type of gen. func.: lgdogf

$$-\frac{374 x^2 - 176 x + 23}{(17 x - 4) (22 x^2 - 10 x + 1)}$$

Sequence: A162561
Score: 15.0555
Type of gen. func.: revogf

$$-\frac{-2 - 5 x + (3 x^2 + 3 x + 4)^{1/2}}{17 + 22 x}$$

Sequence: A162561
Score: 6.3068
Type of gen. func.: ogf

$$-(54 f(x) + 313) (22 f(x) x^2 - 10 f(x) x + f(x) + 17 x - 4)$$

Sequence: A162561
Score: 7.04878
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 22 a(n), a(0) = 4, a(1) = 23\}$$

Sequence: A162562

Score: 14.3356
Type of gen. func.: ogf

$$\frac{2 x - 5}{2 x^{2} + 2 x - 1}$$

Sequence: A162562
Score: 15.4164
Type of gen. func.: revogf

$$\frac{-5 - 2 x + (12 x^{2} + 12 x + 25)^{1/2}}{4 (x - 1)}$$

Sequence: A162562
Score: 17.0830
Type of gen. func.: lgdogf

$$- \frac{4 (x^{2} - 5 x - 2)}{(2 x - 5) (2 x^{2} + 2 x - 1)}$$

Sequence: A162562
Score: 7.16781
Type of gen. func.: ogf

$$-(9 f(x) - 29) (2 f(x) x^{2} + 2 f(x) x - f(x) - 2 x + 5)$$

Sequence: A162562
Score: 7.86712
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 2 a(n), a(0) = 5, a(1) = 8\}$$

Sequence: A162563
Score: 14.7603
Type of gen. func.: ogf

$$7 x - 5$$

$$-\frac{}{x^2 - 4x + 1}$$

Sequence: A162563
Score: 15.5119
Type of gen. func.: revogf

$$-\frac{-5 - 4x + (12x^2 + 12x + 25)^{1/2}}{2(7 + x)}$$

Sequence: A162563
Score: 18.0972
Type of gen. func.: lgdogf

$$-\frac{7x^2 - 10x + 13}{(7x - 5)(x^2 - 4x + 1)}$$

Sequence: A162563
Score: 7.29905
Type of gen. func.: ogf

$$-(42 f(x) - 41)(f(x) x^2 - 4 f(x) x + f(x) + 7x - 5)$$

Sequence: A162563
Score: 8.00255
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + a(n), a(0) = 5, a(1) = 13\}$$

Sequence: A162580
Score: 15.1763
Type of gen. func.: ogf_with_Euler_transform]

$$8128 x^{15} + 124 x^7 + 7 x^3 + x + 2$$

Sequence: A162581
Score: 16.9403
Type of gen. func.: ogf_with_Euler_transform]

$$24 x^{15} + 12 x^{7} + 6 x^{3} + 3 x + 2$$

Sequence: A162596
Score: 3.87248
Type of gen. func.: ogf

$$- \frac{x^{15} + x^{12} + x^{9} - 2 x^{6} - x^{3} + 1}{(x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x - 1)^{9}}$$

Sequence: A162607
Score: 10.5623
Type of gen. func.: ogf

$$\frac{x (5 x^{2} - 3 x + 1)}{(x - 1)^{4}}$$

Sequence: A162607
Score: 23.0231
Type of gen. func.: lgdogf

$$- \frac{10 x^{2} + x + 1}{(x - 1) (5 x^{2} - 3 x + 1)}$$

Sequence: A162607
Score: 3.93391
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-9 - 4 n) a(n + 3) + (7 + 8 n) a(n + 2)$$

$$+ (-10 - 5 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 3\}$$

Sequence: A162607
Score: 5.46841
Type of gen. func.: ogf

$-(675 f(x) + 667)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 5 x^3 - 4 f(x) x + 3 x^2 + f(x) - x)$$

Sequence: A162626
Score: 10.5344
Type of gen. func.: lgdogf

$$\frac{6 x^6 - 29 x^5 + 55 x^4 - 50 x^3 + 18 x^2 - 4}{(x - 1) (3 x^6 - 11 x^5 + 14 x^4 - 6 x^3 + 1)}$$

Sequence: A162626
Score: 8.59670
Type of gen. func.: ogf

$$\frac{2 x (3 x^6 - 11 x^5 + 14 x^4 - 6 x^3 + 1)}{(x - 1)^4}$$

Sequence: A162666
Score: 11.5615
Type of gen. func.: ogf

$$-\frac{10 x - 1}{98 x^2 - 20 x + 1}$$

Sequence: A162666
Score: 12.3498
Type of gen. func.: lgdogf

$$-\frac{2 (490 x^2 - 98 x + 5)}{(10 x - 1) (98 x^2 - 20 x + 1)}$$

Sequence: A162666
Score: 5.96722
Type of gen. func.: ogf

$$-(f(x) + 24) (98 f(x) x^2 - 20 f(x) x + f(x) + 10 x - 1)$$

Sequence: A162666
Score: 6.52884
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1) + 98 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A162667
Score: 11.5615
Type of gen. func.: ogf

$$-\frac{10 x - 1}{97 x^2 - 20 x + 1}$$

Sequence: A162667
Score: 12.3498
Type of gen. func.: lgdogf

$$-\frac{2 (485 x^2 - 97 x + 5)}{(10 x - 1) (97 x^2 - 20 x + 1)}$$

Sequence: A162667
Score: 5.96722
Type of gen. func.: ogf

$$-(3 f(x) + 47) (97 f(x) x^2 - 20 f(x) x + f(x) + 10 x - 1)$$

Sequence: A162667
Score: 6.52884
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1) + 97 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A162668
Score: 11.8882
Type of gen. func.: ogf

$$-\frac{8 x}{(x - 1)^5}$$

Sequence: A162668
Score: 57.1591
Type of gen. func.: ogf_with_Euler_transform]

[5]

Sequence: A162668
Score: 7.27142
Type of gen. func.: ogf

$$\{(n + 1) a(n + 2) + (-5 - n) a(n + 1), a(0) = 0, a(1) = 8\}$$

Sequence: A162668
Score: 92.2756
Type of gen. func.: lgdogf

$$-\frac{5}{x - 1}$$

Sequence: A162669
Score: 47.7880
Type of gen. func.: ogf_with_Euler_transform]

[7]

Sequence: A162669
Score: 5.98870
Type of gen. func.: ogf

{(n + 1) a(n + 2) + (-7 - n) a(n + 1), a(0) = 0, a(1) = 144}

Sequence: A162669
Score: 7.57606
Type of gen. func.: ogf

$$-\frac{144\,x}{(x-1)^{7}}$$

Sequence: A162669
Score: 77.3799
Type of gen. func.: lgdogf

$$-\frac{7}{x-1}$$

Sequence: A162670
Score: 18.3905
Type of gen. func.: revogf

$$\frac{-1-x+(401\,x^{2}+2\,x+1)^{1/2}}{200\,x}$$

Sequence: A162670
Score: 19.2583
Type of gen. func.: ogf

$$-\frac{1}{100\,x^{2}+x-1}$$

Sequence: A162670
Score: 27.5857
Type of gen. func.: lgdogf

$$-\frac{1+200\,x}{100\,x^{2}+x-1}$$

Sequence: A162670
Score: 7.40703
Type of gen. func.: ogf

$$(10301 f(x) - 10300) (100 f(x) x^2 + f(x) x - f(x) + 1)$$

Sequence: A162670
Score: 8.02427
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 100 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A162671
Score: 5.08594
Type of gen. func.: ogf

$$(2101202 f(x) - 9793) (f(x) x^4 - 102 f(x) x^2 + x^2 + f(x) - x - 1)$$

Sequence: A162671
Score: 7.18578
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 3 x^4 - 4 x^3 + 102 x^2 + 202 x + 1}{(x^2 + 10 x - 1) (x^2 - 10 x - 1) (x^2 - x - 1)}$$

Sequence: A162671
Score: 8.96505
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{(x^2 + 10 x - 1) (x^2 - 10 x - 1)}$$

Sequence: A162672
Score: 10.7987

Type of gen. func.: ogf

$$-\frac{x\,(90\,x^{10} - 90\,x^{9} + 10\,x - 11)}{(x - 1)^{2}}$$

Sequence: A162672
Score: 11.6140
Type of gen. func.: lgdogf

$$\frac{2\,(360\,x^{10} - 765\,x^{9} + 405\,x^{8} - 5\,x + 6)}{(x - 1)\,(90\,x^{10} - 90\,x^{9} + 10\,x - 11)}$$

Sequence: A162673
Score: 22.1199
Type of gen. func.: lgdogf

$$-\frac{3\,(x^{2} + 10\,x + 4)}{(x - 1)\,(x^{2} + 7\,x + 1)}$$

Sequence: A162673
Score: 3.87715
Type of gen. func.: ogf

{(n + 3) a(n + 4) + 6 n a(n + 3) + (-36 - 6 n) a(n + 2) + (-3 - n) a(n + 1),

a(0) = 0, a(1) = 4, a(2) = 48, a(3) = 204}

Sequence: A162673
Score: 8.81590
Type of gen. func.: ogf

$$-\frac{4\,x\,(x^{2} + 7\,x + 1)}{(x - 1)^{5}}$$

Sequence: A162674
Score: 5.47491
Type of gen. func.: ogf

$$-\frac{x (x^4 + 90 x^3 + 298 x^2 + 90 x + 1)}{(x - 1)^7}$$

Sequence: A162674
Score: 9.45763
Type of gen. func.: lgdogf

$$-\frac{3 x^4 + 364 x^3 + 1760 x^2 + 1136 x + 97}{(x - 1) (x^4 + 90 x^3 + 298 x^2 + 90 x + 1)}$$

Sequence: A162675
Score: 4.27179
Type of gen. func.: ogf

$$-\frac{6 x^2 (19 x^4 + 314 x^3 + 734 x^2 + 314 x + 19)}{(x - 1)^9}$$

Sequence: A162675
Score: 8.46104
Type of gen. func.: lgdogf

$$-\frac{5 (19 x^4 + 392 x^3 + 1216 x^2 + 796 x + 97)}{(x - 1) (19 x^4 + 314 x^3 + 734 x^2 + 314 x + 19)}$$

Sequence: A162698
Score: 5.67875
Type of gen. func.: ogf

$$\frac{x^9 + 4 x^8 - 3 x^7 + 7 x^6 - 5 x^5 + 8 x^4 - 5 x^3 + 7 x^2 - 3 x + 4}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A162699
Score: 9.48046
Type of gen. func.: ogf

$$\frac{(x^2+1)(x^4+2x^3+x^2+2x+1)}{(x+1)(x^2+x+1)(x^2-x+1)(x-1)^2}$$

Sequence: A162723
Score: 4.99066
Type of gen. func.: ogf

$$-(26 f(x) - 29) (24 f(x) x^3 - 26 f(x) x^2 + 9 f(x) x + 19 x^2 - f(x) - 8 x + 1)$$

Sequence: A162723
Score: 5.25332
Type of gen. func.: ogf

{-a(n + 3) + 9 a(n + 2) - 26 a(n + 1) + 24 a(n), a(0) = 1, a(1) = 1, a(2) = 2}

Sequence: A162723
Score: 7.92347
Type of gen. func.: lgdogf

$$-\frac{456 x^4 - 384 x^3 + 109 x^2 - 14 x + 1}{(-1 + 3 x) (2 x - 1) (4 x - 1) (19 x^2 - 8 x + 1)}$$

Sequence: A162723
Score: 9.35748
Type of gen. func.: ogf

$$-\frac{19 x^2 - 8 x + 1}{(-1 + 3 x) (2 x - 1) (4 x - 1)}$$

Sequence: A162725
Score: 10.4614
Type of gen. func.: ogf

$$-\frac{13 x^2 - 7 x + 1}{(x - 1) (-1 + 3 x) (4 x - 1)}$$

Sequence: A162725
Score: 5.67395
Type of gen. func.: ogf

$$(221 f(x) - 251) (12 f(x) x^3 - 19 f(x) x^2 + 8 f(x) x + 13 x^2 - f(x) - 7 x + 1)$$

Sequence: A162725
Score: 5.87304
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 19 a(n + 1) - 12 a(n), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A162725
Score: 9.38074
Type of gen. func.: lgdogf

$$-\frac{(2 x - 1) (78 x^3 - 45 x^2 + 10 x - 1)}{(x - 1) (-1 + 3 x) (4 x - 1) (13 x^2 - 7 x + 1)}$$

Sequence: A162729
Score: 12.8486
Type of gen. func.: ogf

$$\frac{10 x}{(-1 + 25 x) (5 x - 1)}$$

Sequence: A162729
Score: 14.4021
Type of gen. func.: revogf

2 1/2

$$-\frac{-1 - 3 x + (4 x + 6 x + 1)}{25 x}$$

Sequence: A162729
Score: 17.2825
Type of gen. func.: lgdogf

$$-\frac{10 (-3 + 25 x)}{(-1 + 25 x) (5 x - 1)}$$

Sequence: A162729
Score: 6.19755
Type of gen. func.: ogf

$$\{a(n + 2) - 30 a(n + 1) + 125 a(n), a(0) = 0, a(1) = 10\}$$

Sequence: A162729
Score: 8.36178
Type of gen. func.: ogf

$$-125 f(x) x^2 + 30 f(x) x - f(x) + 10 x$$

Sequence: A162740
Score: 11.4964
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x + 1)}{(x - 1) (3 x^2 + x - 1)}$$

Sequence: A162740
Score: 5.91979
Type of gen. func.: ogf

$$\{-a(n + 4) + 2 a(n + 3) + 2 a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 4,$$
$$a(2) = 12, a(3) = 30\}$$

Sequence: A162740
Score: 6.66598
Type of gen. func.: ogf

$$(-1 + 3 f(x)) (3 f(x) x^3 - 2 f(x) x^2 - x^3 - 2 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A162743
Score: 4.29564
Type of gen. func.: ogf

$$\{-a(n + 4) + 4 a(n + 3) + 4 a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 6,$$
$$a(2) = 30, a(3) = 135\}$$

Sequence: A162743
Score: 4.86839
Type of gen. func.: ogf

$$(-2 + 5 f(x)) (10 f(x) x^3 - 4 f(x) x^2 - x^3 - 4 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A162743
Score: 8.34581
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x + 1)}{10 x^3 - 4 x^2 - 4 x + 1}$$

Sequence: A162744
Score: 4.29815
Type of gen. func.: ogf

$$\{-a(n + 4) + 5 a(n + 3) + 5 a(n + 2) - 15 a(n + 1), a(0) = 1, a(1) = 7,$$
$$a(2) = 42, a(3) = 231\}$$

Sequence: A162744
Score: 4.83098
Type of gen. func.: ogf

$$(-5 + 12 f(x)) (15 f(x) x^3 - 5 f(x) x^2 - x^3 - 5 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A162744
Score: 8.35069
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x + 1)}{15 x^3 - 5 x^2 - 5 x + 1}$$

Sequence: A162746
Score: 5.72205
Type of gen. func.: ogf

$$(26 f(x) - 53) (11 f(x) x^4 - 28 f(x) x^3 + 23 f(x) x^2 + 8 x^3 - 8 f(x) x - 12 x^2 + f(x) + 6 x - 1)$$

Sequence: A162746
Score: 8.00447
Type of gen. func.: ogf

$$- \frac{(2 x - 1)^3}{11 x^4 - 28 x^3 + 23 x^2 - 8 x + 1}$$

Sequence: A162746
Score: 9.34308
Type of gen. func.: lgdogf

$$- \frac{2 (11 x^4 - 22 x^3 + 19 x^2 - 7 x + 1)}{(2 x - 1) (11 x^4 - 28 x^3 + 23 x^2 - 8 x + 1)}$$

Sequence: A162748
Score: 3.82364
Type of gen. func.: ogf

$\{(-2 n - 4) a(n + 1) + (n - 4) a(n + 2) - 2 a(n + 4) + 8 a(n + 3), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 14\}$

Sequence: A162754
Score: 4.16318
Type of gen. func.: ogf

$\{-a(n + 4) + 6 a(n + 3) + 6 a(n + 2) - 21 a(n + 1), a(0) = 1, a(1) = 8, a(2) = 56, a(3) = 364\}$

Sequence: A162754
Score: 4.71828
Type of gen. func.: ogf

$$(-3 + 7 f(x)) (21 f(x) x^3 - 6 f(x) x^2 - x^3 - 6 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A162754
Score: 8.08847
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x + 1)}{21 x^3 - 6 x^2 - 6 x + 1}$$

Sequence: A162755
Score: 4.40549
Type of gen. func.: ogf

$\{-a(n + 4) + 7 a(n + 3) + 7 a(n + 2) - 28 a(n + 1), a(0) = 1, a(1) = 9, a(2) = 72, a(3) = 540\}$

Sequence: A162755
Score: 4.95162
Type of gen. func.: ogf

$$(-7 + 16 f(x)) (28 f(x) x^3 - 7 f(x) x^2 - x^3 - 7 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A162755
Score: 8.55923
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x + 1)}{28 x^3 - 7 x^2 - 7 x + 1}$$

Sequence: A162756
Score: 4.61386
Type of gen. func.: ogf

{-a(n + 4) + 8 a(n + 3) + 8 a(n + 2) - 36 a(n + 1), a(0) = 1, a(1) = 10,

a(2) = 90, a(3) = 765}

Sequence: A162756
Score: 5.2675
Type of gen. func.: ogf

$$(-4 + 9 f(x)) (36 f(x) x^3 - 8 f(x) x^2 - x^3 - 8 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A162756
Score: 9.02999
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x + 1)}{36 x^3 - 8 x^2 - 8 x + 1}$$

Sequence: A162757
Score: 12.7478
Type of gen. func.: ogf

$$- \frac{5 x - 1}{33 x^2 - 12 x + 1}$$

Sequence: A162757
Score: 13.3446
Type of gen. func.: revogf

$$-\frac{-1 - 12 x + (12 x^2 + 4 x + 1)^{1/2}}{2 (5 + 33 x)}$$

Sequence: A162757
Score: 14.3211
Type of gen. func.: lgdogf

$$-\frac{165 x^2 - 66 x + 7}{(5 x - 1) (33 x^2 - 12 x + 1)}$$

Sequence: A162757
Score: 6.44244
Type of gen. func.: ogf

$$-(18 f(x) + 31) (33 f(x) x^2 - 12 f(x) x + f(x) + 5 x - 1)$$

Sequence: A162757
Score: 7.13269
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 33 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A162758
Score: 13.3852
Type of gen. func.: ogf

$$-\frac{6 x - 1}{46 x^2 - 14 x + 1}$$

Sequence: A162758
Score: 14.0255
Type of gen. func.: revogf

$$-\frac{-1 - 14 x + (12 x^2 + 4 x + 1)^{1/2}}{4 (3 + 23 x)}$$

Sequence: A162758
Score: 14.6933
Type of gen. func.: lgdogf

$$-\frac{4 (69 x^2 - 23 x + 2)}{(6 x - 1) (46 x^2 - 14 x + 1)}$$

Sequence: A162758
Score: 6.62215
Type of gen. func.: ogf

$$-(353 f(x) + 671) (46 f(x) x^2 - 14 f(x) x + f(x) + 6 x - 1)$$

Sequence: A162758
Score: 7.48932
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1) + 46 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A162759
Score: 12.1536
Type of gen. func.: ogf

$$-\frac{7 x - 1}{61 x^2 - 16 x + 1}$$

Sequence: A162759
Score: 12.7146
Type of gen. func.: revogf

$$-\frac{-16 x - 1 + (12 x^2 + 4 x + 1)^{1/2}}{2 (7 + 61 x)}$$

Sequence: A162759
Score: 13.3201
Type of gen. func.: lgdogf

$$- \frac{427 x^2 - 122 x + 9}{(7 x - 1) (61 x^2 - 16 x + 1)}$$

Sequence: A162759
Score: 6.14216
Type of gen. func.: ogf

$$-(22 f(x) + 59) (61 f(x) x^2 - 16 f(x) x + f(x) + 7 x - 1)$$

Sequence: A162759
Score: 6.80025
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1) + 61 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A162760
Score: 4.17306
Type of gen. func.: ogf

$$\{-a(n + 4) + 9 a(n + 3) + 9 a(n + 2) - 45 a(n + 1), a(0) = 1, a(1) = 11, a(2) = 110, a(3) = 1045\}$$

Sequence: A162760
Score: 4.79384
Type of gen. func.: ogf

$$(-9 + 20 f(x)) (45 f(x) x^3 - 9 f(x) x^2 - x^3 - 9 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A162760
Score: 8.28650
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x + 1)}{45 x^3 - 9 x^2 - 9 x + 1}$$

Sequence: A162761
Score: 6.02506
Type of gen. func.: ogf

$$\frac{x (x^3 - x^2 - 2)}{(x + 1) (x - 1)^3}$$

Sequence: A162761
Score: 6.49111
Type of gen. func.: ogf

$$-(4408 f(x) - 27519) (f(x) x^4 - 2 f(x) x^3 - x^4 + x^3 + 2 f(x) x - f(x) + 2 x)$$

Sequence: A162761
Score: 9.07694
Type of gen. func.: lgdogf

$$- \frac{x^4 + x^2 - 10 x - 4}{(x - 1) (x + 1) (x^3 - x^2 - 2)}$$

Sequence: A162766
Score: 10.1257
Type of gen. func.: ogf

$$(76 f(x) - 295) (3 f(x) x^2 - f(x) + 3 x + 4)$$

Sequence: A162766
Score: 11.0750
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n), a(0) = 4, a(1) = 3\}$$

Sequence: A162766
Score: 17.2878
Type of gen. func.: ogf

$$-\frac{3 x + 4}{3 x^2 - 1}$$

Sequence: A162766
Score: 20.4321
Type of gen. func.: lgdogf

$$-\frac{3 (3 x^2 + 8 x + 1)}{(3 x + 4) (3 x^2 - 1)}$$

Sequence: A162766
Score: 20.4321
Type of gen. func.: revogf

$$\frac{-2 + (3 x^2 + 3 x + 4)^{1/2}}{3 (x + 1)}$$

Sequence: A162767
Score: 3.93582
Type of gen. func.: ogf

$\{-a(n + 4) + 10 a(n + 3) + 10 a(n + 2) - 55 a(n + 1), a(0) = 1, a(1) = 12,$

$a(2) = 132, a(3) = 1386\}$

Sequence: A162767
Score: 4.5118
Type of gen. func.: ogf

$(-5 + 11 f(x))$

$(55 f(x) x^3 - 10 f(x) x^2 - x^3 - 10 f(x) x - 2 x^2 + f(x) - 2 x - 1)$

Sequence: A162767
Score: 7.70765
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x + 1)}{55 x^3 - 10 x^2 - 10 x + 1}$$

Sequence: A162768
Score: 3.97682
Type of gen. func.: ogf

$$\{-a(n + 4) + 11 a(n + 3) + 11 a(n + 2) - 66 a(n + 1), a(0) = 1, a(1) = 13,$$
$$a(2) = 156, a(3) = 1794\}$$

Sequence: A162768
Score: 4.52203
Type of gen. func.: ogf

$$(-11 + 24 f(x))$$
$$(66 f(x) x^3 - 11 f(x) x^2 - x^3 - 11 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A162768
Score: 7.78794
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x + 1)}{66 x^3 - 11 x^2 - 11 x + 1}$$

Sequence: A162769
Score: 12.1783
Type of gen. func.: ogf

$$\frac{x + 1}{11 x^2 - 8 x + 1}$$

Sequence: A162769
Score: 12.1826
Type of gen. func.: revogf

$$-\frac{-1 - 8 x + (20 x^2 + 20 x + 1)^{1/2}}{2 (-1 + 11 x)}$$

Sequence: A162769
Score: 14.4268
Type of gen. func.: lgdogf

$$-\frac{11 x^2 + 22 x - 9}{(x + 1) (11 x^2 - 8 x + 1)}$$

Sequence: A162769
Score: 6.36593
Type of gen. func.: ogf

$$(50 f(x) + 31) (11 f(x) x^2 - 8 f(x) x + f(x) - x - 1)$$

Sequence: A162769
Score: 6.74942
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 11 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A162770
Score: 14.3061
Type of gen. func.: ogf

$$-\frac{2 + 3 x}{4 x^2 + 2 x - 1}$$

Sequence: A162770

Score: 16.6026
Type of gen. func.: lgdogf

$$-\frac{12 x^2 + 16 x + 7}{(2 + 3 x) (4 x^2 + 2 x - 1)}$$

Sequence: A162770
Score: 18.5559
Type of gen. func.: revogf

$$\frac{-1 - x + (5 x^2 + 5 x + 1)^{1/2}}{3 + 4 x}$$

Sequence: A162770
Score: 7.39971
Type of gen. func.: ogf

$$(30 f(x) - 11) (4 f(x) x^2 + 2 f(x) x - f(x) + 3 x + 2)$$

Sequence: A162770
Score: 7.85093
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) - 4 a(n), a(0) = 2, a(1) = 7\}$$

Sequence: A162771
Score: 12.9900
Type of gen. func.: ogf

$$-\frac{x - 2}{4 x^2 - 6 x + 1}$$

Sequence: A162771
Score: 15.4695
Type of gen. func.: revogf

$$\qquad {}^{2} \qquad\qquad {}^{1/2}$$

$$-\frac{-1 - 3x + (5x + 5x + 1)}{1 + 4x}$$

Sequence: A162771
Score: 15.8992
Type of gen. func.: lgdogf

$$-\frac{4x^2 - 16x + 11}{(x - 2)(4x^2 - 6x + 1)}$$

Sequence: A162771
Score: 6.71895
Type of gen. func.: ogf

$$(50 f(x) + 21)(4 f(x) x^2 - 6 f(x) x + f(x) + x - 2)$$

Sequence: A162771
Score: 7.04275
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 4 a(n), a(0) = 2, a(1) = 11\}$$

Sequence: A162772
Score: 12.4388
Type of gen. func.: ogf

$$-\frac{3x - 2}{11x^2 - 8x + 1}$$

Sequence: A162772
Score: 14.0050
Type of gen. func.: lgdogf

$$-\frac{33x^2 - 44x + 13}{(3x - 2)(11x^2 - 8x + 1)}$$

Sequence: A162772
Score: 14.7421
Type of gen. func.: revogf

$$-\frac{-1 - 4 x + (5 x^2 + 5 x + 1)^{1/2}}{3 + 11 x}$$

Sequence: A162772
Score: 6.5021
Type of gen. func.: ogf

$$(60 f(x) + 49) (11 f(x) x^2 - 8 f(x) x + f(x) + 3 x - 2)$$

Sequence: A162772
Score: 6.81171
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 11 a(n), a(0) = 2, a(1) = 13\}$$

Sequence: A162773
Score: 12.9390
Type of gen. func.: ogf

$$-\frac{5 x - 2}{20 x^2 - 10 x + 1}$$

Sequence: A162773
Score: 13.8640
Type of gen. func.: lgdogf

$$-\frac{5 (10 x - 3) (2 x - 1)}{(5 x - 2) (20 x^2 - 10 x + 1)}$$

Sequence: A162773
Score: 14.5403

Type of gen. func.: revogf

$$-\frac{-1 - 5 x + (5 x^2 + 5 x + 1)^{1/2}}{5 (1 + 4 x)}$$

Sequence: A162773
Score: 6.83296
Type of gen. func.: ogf

$$(14 f(x) + 17) (20 f(x) x^2 - 10 f(x) x + f(x) + 5 x - 2)$$

Sequence: A162773
Score: 7.15451
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 20 a(n), a(0) = 2, a(1) = 15\}$$

Sequence: A162783
Score: 3.61687
Type of gen. func.: ogf

$$\{-a(n + 4) + 12 a(n + 3) + 12 a(n + 2) - 78 a(n + 1), a(0) = 1, a(1) = 14,$$

$$a(2) = 182, a(3) = 2275\}$$

Sequence: A162783
Score: 4.14617
Type of gen. func.: ogf

$$(-6 + 13 f(x))$$

$$(78 f(x) x^3 - 12 f(x) x^2 - x^3 - 12 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A162783
Score: 7.08303
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x + 1)}{^{3} \qquad ^{2}}$$

78 x - 12 x - 12 x + 1

Sequence: A162785
Score: 3.69724
Type of gen. func.: ogf

$$\{-a(n + 4) + 13 a(n + 3) + 13 a(n + 2) - 91 a(n + 1), a(0) = 1, a(1) = 15, a(2) = 210, a(3) = 2835\}$$

Sequence: A162785
Score: 4.20412
Type of gen. func.: ogf

$$(-13 + 28 f(x)) (91 f(x) x^3 - 13 f(x) x^2 - x^3 - 13 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A162785
Score: 7.24043
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x + 1)}{91 x^3 - 13 x^2 - 13 x + 1}$$

Sequence: A162791
Score: 3.75101
Type of gen. func.: ogf

$$\{-a(n + 4) + 14 a(n + 3) + 14 a(n + 2) - 105 a(n + 1), a(0) = 1, a(1) = 16, a(2) = 240, a(3) = 3480\}$$

Sequence: A162791
Score: 4.29552
Type of gen. func.: ogf

$$(-7 + 15 f(x)) (105 f(x) x^3 - 14 f(x) x^2 - x^3 - 14 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A162791
Score: 7.29648
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x + 1)}{105 x^3 - 14 x^2 - 14 x + 1}$$

Sequence: A162803
Score: 3.83082
Type of gen. func.: ogf

$$\{-a(n + 4) + 15 a(n + 3) + 15 a(n + 2) - 120 a(n + 1), a(0) = 1, a(1) = 17, a(2) = 272, a(3) = 4216\}$$

Sequence: A162803
Score: 4.35182
Type of gen. func.: ogf

$$(-15 + 32 f(x)) (120 f(x) x^3 - 15 f(x) x^2 - x^3 - 15 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A162803
Score: 7.45173
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x + 1)}{120 x^3 - 15 x^2 - 15 x + 1}$$

Sequence: A162804
Score: 3.91063
Type of gen. func.: ogf

$$\{-a(n + 4) + 16 a(n + 3) + 16 a(n + 2) - 136 a(n + 1), a(0) = 1, a(1) = 18, a(2) = 306, a(3) = 5049\}$$

Sequence: A162804
Score: 4.4783
Type of gen. func.: ogf

$$(-8 + 17 f(x))$$

$$(136 f(x) x^3 - 16 f(x) x^2 - x^3 - 16 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A162804
Score: 7.60697
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x + 1)}{136 x^3 - 16 x^2 - 16 x + 1}$$

Sequence: A162805
Score: 3.45597
Type of gen. func.: ogf

$$\{-a(n + 4) + 17 a(n + 3) + 17 a(n + 2) - 153 a(n + 1), a(0) = 1, a(1) = 19,$$

$$a(2) = 342, a(3) = 5985\}$$

Sequence: A162805
Score: 3.92599
Type of gen. func.: ogf

$$(-17 + 36 f(x))$$

$$(153 f(x) x^3 - 17 f(x) x^2 - x^3 - 17 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A162805
Score: 6.72258
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x + 1)}{153 x^3 - 17 x^2 - 17 x + 1}$$

Sequence: A162806
Score: 3.51455
Type of gen. func.: ogf

$\{-a(n + 4) + 18 a(n + 3) + 18 a(n + 2) - 171 a(n + 1), a(0) = 1, a(1) = 20,$

$a(2) = 380, a(3) = 7030\}$

Sequence: A162806
Score: 4.02473
Type of gen. func.: ogf

$(-9 + 19 f(x))$

$(171 f(x) x^3 - 18 f(x) x^2 - x^3 - 18 f(x) x - 2 x^2 + f(x) - 2 x - 1)$

Sequence: A162806
Score: 6.83652
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x + 1)}{171 x^3 - 18 x^2 - 18 x + 1}$$

Sequence: A162807
Score: 3.57313
Type of gen. func.: ogf

$\{-a(n + 4) + 19 a(n + 3) + 19 a(n + 2) - 190 a(n + 1), a(0) = 1, a(1) = 21,$

$a(2) = 420, a(3) = 8190\}$

Sequence: A162807
Score: 4.05907
Type of gen. func.: ogf

$(-19 + 40 f(x))$

$(190 f(x) x^3 - 19 f(x) x^2 - x^3 - 19 f(x) x - 2 x^2 + f(x) - 2 x - 1)$

Sequence: A162807
Score: 6.95047
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)(x + 1)}{190 x^3 - 19 x^2 - 19 x + 1}$$

Sequence: A162808
Score: 3.61218
Type of gen. func.: ogf

$\{-a(n + 4) + 20 a(n + 3) + 20 a(n + 2) - 210 a(n + 1), a(0) = 1, a(1) = 22,$

$a(2) = 462, a(3) = 9471\}$

Sequence: A162808
Score: 4.10343
Type of gen. func.: ogf

$$(-10 + 21 f(x)) (210 f(x) x^3 - 20 f(x) x^2 - x^3 - 20 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A162808
Score: 7.02642
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)(x + 1)}{210 x^3 - 20 x^2 - 20 x + 1}$$

Sequence: A162809
Score: 3.68386
Type of gen. func.: ogf

$\{-a(n + 4) + 21 a(n + 3) + 21 a(n + 2) - 231 a(n + 1), a(0) = 1, a(1) = 23,$

$a(2) = 506, a(3) = 10879\}$

Sequence: A162809
Score: 4.21433
Type of gen. func.: ogf

$$(-21 + 44 f(x))$$

$$(231 f(x) x^3 - 21 f(x) x^2 - x^3 - 21 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A162809
Score: 7.21633
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x + 1)}{231 x^3 - 21 x^2 - 21 x + 1}$$

Sequence: A162810
Score: 3.68386
Type of gen. func.: ogf

$\{-a(n + 4) + 22 a(n + 3) + 22 a(n + 2) - 253 a(n + 1), a(0) = 1, a(1) = 24,$

$a(2) = 552, a(3) = 12420\}$

Sequence: A162810
Score: 4.21433
Type of gen. func.: ogf

$$(-11 + 23 f(x))$$

$$(253 f(x) x^3 - 22 f(x) x^2 - x^3 - 22 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A162810
Score: 7.21633
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x + 1)}{253 x^3 - 22 x^2 - 22 x + 1}$$

Sequence: A162811
Score: 3.74203
Type of gen. func.: ogf

$\{-a(n + 4) + 23 a(n + 3) + 23 a(n + 2) - 276 a(n + 1), a(0) = 1, a(1) = 25,$

$a(2) = 600, a(3) = 14100\}$

Sequence: A162811
Score: 4.28088
Type of gen. func.: ogf

$(-23 + 48 f(x))$

$(276 f(x) x^3 - 23 f(x) x^2 - x^3 - 23 f(x) x - 2 x^2 + f(x) - 2 x - 1)$

Sequence: A162811
Score: 7.33027
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x + 1)}{276 x^3 - 23 x^2 - 23 x + 1}$$

Sequence: A162812
Score: 3.76141
Type of gen. func.: ogf

$\{-a(n + 4) + 24 a(n + 3) + 24 a(n + 2) - 300 a(n + 1), a(0) = 1, a(1) = 26,$

$a(2) = 650, a(3) = 15925\}$

Sequence: A162812
Score: 4.30306
Type of gen. func.: ogf

$(-12 + 25 f(x))$

$(300 f(x) x^3 - 24 f(x) x^2 - x^3 - 24 f(x) x - 2 x^2 + f(x) - 2 x - 1)$

Sequence: A162812
Score: 7.36825

Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)\,(x + 1)}{300\,x^3 - 24\,x^2 - 24\,x + 1}$$

Sequence: A162813
Score: 11.1852
Type of gen. func.: ogf

$$\{-a(n + 2) + 3\,a(n),\ a(0) = 5,\ a(1) = 3\}$$

Sequence: A162813
Score: 17.4598
Type of gen. func.: ogf

$$-\frac{5 + 3\,x}{3\,x^2 - 1}$$

Sequence: A162813
Score: 17.7583
Type of gen. func.: ogf

$$-3\,f(x)\,x^2 + f(x) - 3\,x - 5$$

Sequence: A162813
Score: 18.9661
Type of gen. func.: revogf

$$\frac{-5 + (12\,x^2 + 12\,x + 25)^{1/2}}{6\,(x + 1)}$$

Sequence: A162813
Score: 20.0499
Type of gen. func.: lgdogf

$$3\,(3\,x^2 + 10\,x + 1)$$

$$-\frac{}{(5 + 3 x) (3 x^2 - 1)}$$

Sequence: A162814
Score: 13.6409
Type of gen. func.: ogf

$$-\frac{12 x - 5}{6 x^2 - 6 x + 1}$$

Sequence: A162814
Score: 14.3050
Type of gen. func.: revogf

$$-\frac{-5 - 6 x + (12 x^2 + 12 x + 25)^{1/2}}{12 (x + 2)}$$

Sequence: A162814
Score: 15.0029
Type of gen. func.: lgdogf

$$-\frac{6 (12 x^2 - 10 x + 3)}{(12 x - 5) (6 x^2 - 6 x + 1)}$$

Sequence: A162814
Score: 6.74711
Type of gen. func.: ogf

$$-(575 f(x) + 41) (6 f(x) x^2 - 6 f(x) x + f(x) + 12 x - 5)$$

Sequence: A162814
Score: 7.56001
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 6 a(n), a(0) = 5, a(1) = 18\}$$

Sequence: A162815
Score: 11.9829
Type of gen. func.: ogf

$$-\frac{17 x - 5}{13 x^2 - 8 x + 1}$$

Sequence: A162815
Score: 11.9829
Type of gen. func.: revogf

$$-\frac{-5 - 8 x + (12 x^2 + 12 x + 25)^{1/2}}{2 (17 + 13 x)}$$

Sequence: A162815
Score: 12.8189
Type of gen. func.: lgdogf

$$-\frac{221 x^2 - 130 x + 23}{(17 x - 5) (13 x^2 - 8 x + 1)}$$

Sequence: A162815
Score: 5.99146
Type of gen. func.: ogf

$$-(54 f(x) + 259) (13 f(x) x^2 - 8 f(x) x + f(x) + 17 x - 5)$$

Sequence: A162815
Score: 6.70473
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 13 a(n), a(0) = 5, a(1) = 23\}$$

Sequence: A162816
Score: 13.2311

Type of gen. func.: ogf

$$-\frac{27 x - 5}{33 x^2 - 12 x + 1}$$

Sequence: A162816
Score: 13.5459
Type of gen. func.: revogf

$$-\frac{-5 - 12 x + (12 x^2 + 12 x + 25)^{1/2}}{6 (9 + 11 x)}$$

Sequence: A162816
Score: 14.1616
Type of gen. func.: lgdogf

$$-\frac{33 (27 x^2 - 10 x + 1)}{(27 x - 5) (33 x^2 - 12 x + 1)}$$

Sequence: A162816
Score: 6.68521
Type of gen. func.: ogf

$$-(80 f(x) + 689) (33 f(x) x^2 - 12 f(x) x + f(x) + 27 x - 5)$$

Sequence: A162816
Score: 7.47171
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 33 a(n), a(0) = 5, a(1) = 33\}$$

Sequence: A162827
Score: 3.81958
Type of gen. func.: ogf

$\{-a(n + 4) + 25 a(n + 3) + 25 a(n + 2) - 325 a(n + 1), a(0) = 1, a(1) = 27,$

$a(2) = 702, a(3) = 17901\}$

Sequence: A162827
Score: 4.3696
Type of gen. func.: ogf

$$(-25 + 52 f(x)) (325 f(x) x^{3} - 25 f(x) x^{2} - x^{3} - 25 f(x) x - 2 x^{2} + f(x) - 2 x - 1)$$

Sequence: A162827
Score: 7.48219
Type of gen. func.: ogf

$$\frac{(x^{2} + x + 1) (x + 1)}{325 x^{3} - 25 x^{2} - 25 x + 1}$$

Sequence: A162830
Score: 3.83897
Type of gen. func.: ogf

$\{-a(n + 4) + 26 a(n + 3) + 26 a(n + 2) - 351 a(n + 1), a(0) = 1, a(1) = 28,$

$a(2) = 756, a(3) = 20034\}$

Sequence: A162830
Score: 4.39178
Type of gen. func.: ogf

$$(-13 + 27 f(x)) (351 f(x) x^{3} - 26 f(x) x^{2} - x^{3} - 26 f(x) x - 2 x^{2} + f(x) - 2 x - 1)$$

Sequence: A162830
Score: 7.52018
Type of gen. func.: ogf

$$\frac{(x^{2} + x + 1) (x + 1)}{\quad {}^{3} \qquad {}^{2}}$$

```
                              351 x  - 26 x  - 26 x + 1



--------------------------------------------------------------------------------

Sequence:  A162831
Score: 3.87775
Type of gen. func.: ogf


{-a(n + 4) + 27 a(n + 3) + 27 a(n + 2) - 378 a(n + 1), a(0) = 1, a(1) = 29,

    a(2) = 812, a(3) = 22330}



--------------------------------------------------------------------------------

Sequence:  A162831
Score: 4.43614
Type of gen. func.: ogf


(-27 + 56 f(x))

                3             2    3                   2
    (378 f(x) x  - 27 f(x) x  - x  - 27 f(x) x - 2 x  + f(x) - 2 x - 1)



--------------------------------------------------------------------------------

Sequence:  A162831
Score: 7.59614
Type of gen. func.: ogf


                                  2
                                (x  + x + 1) (x + 1)
                              -------------------------
                                   3       2
                              378 x  - 27 x  - 27 x + 1



--------------------------------------------------------------------------------

Sequence:  A162833
Score: 3.91652
Type of gen. func.: ogf


{-a(n + 4) + 28 a(n + 3) + 28 a(n + 2) - 406 a(n + 1), a(0) = 1, a(1) = 30,

    a(2) = 870, a(3) = 24795}



--------------------------------------------------------------------------------

Sequence:  A162833
Score: 4.4805
Type of gen. func.: ogf


(-14 + 29 f(x))

                3             2    3                   2
    (406 f(x) x  - 28 f(x) x  - x  - 28 f(x) x - 2 x  + f(x) - 2 x - 1)
```

Sequence: A162833
Score: 7.67210
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x + 1)}{406 x^3 - 28 x^2 - 28 x + 1}$$

Sequence: A162835
Score: 3.95530
Type of gen. func.: ogf

$\{-a(n + 4) + 29 a(n + 3) + 29 a(n + 2) - 435 a(n + 1), a(0) = 1, a(1) = 31,$

$a(2) = 930, a(3) = 27435\}$

Sequence: A162835
Score: 4.52486
Type of gen. func.: ogf

$$(-29 + 60 f(x)) (435 f(x) x^3 - 29 f(x) x^2 - x^3 - 29 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A162835
Score: 7.74805
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x + 1)}{435 x^3 - 29 x^2 - 29 x + 1}$$

Sequence: A162836
Score: 3.95530
Type of gen. func.: ogf

$\{-a(n + 4) + 30 a(n + 3) + 30 a(n + 2) - 465 a(n + 1), a(0) = 1, a(1) = 32,$

$a(2) = 992, a(3) = 30256\}$

```
------------------------------------------------------------------------------

Sequence:  A162836
Score: 4.52486
Type of gen. func.: ogf


(-15 + 31 f(x))

               3            2    3                  2
    (465 f(x) x  - 30 f(x) x  - x  - 30 f(x) x - 2 x  + f(x) - 2 x - 1)



------------------------------------------------------------------------------

Sequence:  A162836
Score: 7.74805
Type of gen. func.: ogf


                               2
                             (x  + x + 1) (x + 1)
                           --------------------------
                                3       2
                           465 x  - 30 x  - 30 x + 1



------------------------------------------------------------------------------

Sequence:  A162837
Score: 4.06261
Type of gen. func.: ogf


{-a(n + 4) + 31 a(n + 3) + 31 a(n + 2) - 496 a(n + 1), a(0) = 1, a(1) = 33,

    a(2) = 1056, a(3) = 33264}



------------------------------------------------------------------------------

Sequence:  A162837
Score: 4.68013
Type of gen. func.: ogf


(-31 + 64 f(x))

               3            2    3                  2
    (496 f(x) x  - 31 f(x) x  - x  - 31 f(x) x - 2 x  + f(x) - 2 x - 1)



------------------------------------------------------------------------------

Sequence:  A162837
Score: 8.01392
Type of gen. func.: ogf


                               2
                             (x  + x + 1) (x + 1)
                           --------------------------
                                3       2
                           496 x  - 31 x  - 31 x + 1
```

Sequence: A162838
Score: 4.06261
Type of gen. func.: ogf

$\{-a(n + 4) + 32 a(n + 3) + 32 a(n + 2) - 528 a(n + 1), a(0) = 1, a(1) = 34,$

$a(2) = 1122, a(3) = 36465\}$

Sequence: A162838
Score: 4.68013
Type of gen. func.: ogf

$(-16 + 33 f(x))$

$(528 f(x) x^3 - 32 f(x) x^2 - x^3 - 32 f(x) x - 2 x^2 + f(x) - 2 x - 1)$

Sequence: A162838
Score: 8.01392
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x + 1)}{528 x^3 - 32 x^2 - 32 x + 1}$$

Sequence: A162847
Score: 4.06261
Type of gen. func.: ogf

$\{-a(n + 4) + 33 a(n + 3) + 33 a(n + 2) - 561 a(n + 1), a(0) = 1, a(1) = 35,$

$a(2) = 1190, a(3) = 39865\}$

Sequence: A162847
Score: 4.68013
Type of gen. func.: ogf

$(-33 + 68 f(x))$

$(561 f(x) x^3 - 33 f(x) x^2 - x^3 - 33 f(x) x - 2 x^2 + f(x) - 2 x - 1)$

Sequence: A162847
Score: 8.01392
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x + 1)}{561 x^3 - 33 x^2 - 33 x + 1}$$

Sequence: A162849
Score: 7.01577
Type of gen. func.: ogf

$$\frac{x (100 x^2 - 10 x - 1)}{(x - 1) (x + 1) (90 x^2 - 1) (110 x^2 - 1)}$$

Sequence: A162850
Score: 4.10112
Type of gen. func.: ogf

{-a(n + 4) + 34 a(n + 3) + 34 a(n + 2) - 595 a(n + 1), a(0) = 1, a(1) = 36,

a(2) = 1260, a(3) = 43470}

Sequence: A162850
Score: 4.72449
Type of gen. func.: ogf

$$(-17 + 35 f(x))$$

$$(595 f(x) x^3 - 34 f(x) x^2 - x^3 - 34 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A162850
Score: 8.08989
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x + 1)}{595 x^3 - 34 x^2 - 34 x + 1}$$

Sequence: A162851
Score: 4.12038
Type of gen. func.: ogf

$$\{-a(n+4) + 35\,a(n+3) + 35\,a(n+2) - 630\,a(n+1),\ a(0) = 1,\ a(1) = 37,\ a(2) = 1332,\ a(3) = 47286\}$$

Sequence: A162851
Score: 4.74667
Type of gen. func.: ogf

$$(-35 + 72 f(x))$$

$$(630 f(x) x^3 - 35 f(x) x^2 - x^3 - 35 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A162851
Score: 8.12786
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)(x + 1)}{630 x^3 - 35 x^2 - 35 x + 1}$$

Sequence: A162852
Score: 15.5211
Type of gen. func.: ogf

$$\frac{-3 + x}{3 x^2 - 1}$$

Sequence: A162852
Score: 17.8506
Type of gen. func.: revogf

$$\frac{-3 + (12 x^2 - 4 x + 9)^{1/2}}{2(-1 + 3 x)}$$

Sequence: A162852
Score: 21.8814
Type of gen. func.: lgdogf

$$-\frac{3 x^{2} - 18 x + 1}{(-3 + x) (3 x^{2} - 1)}$$

Sequence: A162852
Score: 8.48486
Type of gen. func.: ogf

$$-(252 f(x) - 755) (3 f(x) x^{2} - f(x) - x + 3)$$

Sequence: A162852
Score: 9.94320
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n), a(0) = 3, a(1) = -1\}$$

Sequence: A162858
Score: 3.57312
Type of gen. func.: ogf

$$\{-a(n + 4) + 36 a(n + 3) + 36 a(n + 2) - 666 a(n + 1), a(0) = 1, a(1) = 38,$$
$$a(2) = 1406, a(3) = 51319\}$$

Sequence: A162858
Score: 4.11624
Type of gen. func.: ogf

$$(-18 + 37 f(x))$$
$$(666 f(x) x^{3} - 36 f(x) x^{2} - x^{3} - 36 f(x) x - 2 x^{2} + f(x) - 2 x - 1)$$

Sequence: A162858
Score: 7.04836
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)(x + 1)}{666 x^3 - 36 x^2 - 36 x + 1}$$

Sequence: A162871
Score: 3.61074
Type of gen. func.: ogf

{-a(n + 4) + 37 a(n + 3) + 37 a(n + 2) - 703 a(n + 1), a(0) = 1, a(1) = 39,

a(2) = 1482, a(3) = 55575}

Sequence: A162871
Score: 4.15957
Type of gen. func.: ogf

(-37 + 76 f(x))

$(703 f(x) x^3 - 37 f(x) x^2 - x^3 - 37 f(x) x - 2 x^2 + f(x) - 2 x - 1)$

Sequence: A162871
Score: 7.12255
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)(x + 1)}{703 x^3 - 37 x^2 - 37 x + 1}$$

Sequence: A162877
Score: 3.62954
Type of gen. func.: ogf

{-a(n + 4) + 38 a(n + 3) + 38 a(n + 2) - 741 a(n + 1), a(0) = 1, a(1) = 40,

a(2) = 1560, a(3) = 60060}

Sequence: A162877
Score: 4.18123
Type of gen. func.: ogf

(-19 + 39 f(x))

$$(741 f(x) x^{3} - 38 f(x) x^{2} - x^{3} - 38 f(x) x - 2 x^{2} + f(x) - 2 x - 1)$$

Sequence: A162877
Score: 7.15964
Type of gen. func.: ogf

$$\frac{(x^{2} + x + 1) (x + 1)}{741 x^{3} - 38 x^{2} - 38 x + 1}$$

Sequence: A162878
Score: 3.64835
Type of gen. func.: ogf

$\{-a(n + 4) + 39 a(n + 3) + 39 a(n + 2) - 780 a(n + 1), a(0) = 1, a(1) = 41,$

$a(2) = 1640, a(3) = 64780\}$

Sequence: A162878
Score: 4.20289
Type of gen. func.: ogf

$(-39 + 80 f(x))$

$$(780 f(x) x^{3} - 39 f(x) x^{2} - x^{3} - 39 f(x) x - 2 x^{2} + f(x) - 2 x - 1)$$

Sequence: A162878
Score: 7.19674
Type of gen. func.: ogf

$$\frac{(x^{2} + x + 1) (x + 1)}{780 x^{3} - 39 x^{2} - 39 x + 1}$$

Sequence: A162879
Score: 3.66715
Type of gen. func.: ogf

$\{-a(n + 4) + 40 a(n + 3) + 40 a(n + 2) - 820 a(n + 1), a(0) = 1, a(1) = 42,$

$a(2) = 1722, a(3) = 69741\}$

Sequence: A162879
Score: 4.22456
Type of gen. func.: ogf

$$(-20 + 41 f(x))$$

$$(820 f(x) x^3 - 40 f(x) x^2 - x^3 - 40 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A162879
Score: 7.23384
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x + 1)}{820 x^3 - 40 x^2 - 40 x + 1}$$

Sequence: A162881
Score: 3.68596
Type of gen. func.: ogf

$\{-a(n + 4) + 41 a(n + 3) + 41 a(n + 2) - 861 a(n + 1), a(0) = 1, a(1) = 43,$

$a(2) = 1806, a(3) = 74949\}$

Sequence: A162881
Score: 4.24622
Type of gen. func.: ogf

$$(-41 + 84 f(x))$$

$$(861 f(x) x^3 - 41 f(x) x^2 - x^3 - 41 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A162881
Score: 7.27093
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x + 1)}{}$$

$$861 x^3 - 41 x^2 - 41 x + 1$$

Sequence: A162882
Score: 3.70476
Type of gen. func.: ogf

$$\{-a(n + 4) + 42 a(n + 3) + 42 a(n + 2) - 903 a(n + 1), a(0) = 1, a(1) = 44, a(2) = 1892, a(3) = 80410\}$$

Sequence: A162882
Score: 4.26789
Type of gen. func.: ogf

$$(-21 + 43 f(x)) (903 f(x) x^3 - 42 f(x) x^2 - x^3 - 42 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A162882
Score: 7.30803
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x + 1)}{903 x^3 - 42 x^2 - 42 x + 1}$$

Sequence: A162885
Score: 3.72357
Type of gen. func.: ogf

$$\{-a(n + 4) + 43 a(n + 3) + 43 a(n + 2) - 946 a(n + 1), a(0) = 1, a(1) = 45, a(2) = 1980, a(3) = 86130\}$$

Sequence: A162885
Score: 4.28955
Type of gen. func.: ogf

$$(-43 + 88 f(x)) (946 f(x) x^3 - 43 f(x) x^2 - x^3 - 43 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A162885
Score: 7.34512
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x + 1)}{946 x^3 - 43 x^2 - 43 x + 1}$$

Sequence: A162889
Score: 3.74238
Type of gen. func.: ogf

{-a(n + 4) + 44 a(n + 3) + 44 a(n + 2) - 990 a(n + 1), a(0) = 1, a(1) = 46,

a(2) = 2070, a(3) = 92115}

Sequence: A162889
Score: 4.31122
Type of gen. func.: ogf

$(-22 + 45 f(x))$

$(990 f(x) x^3 - 44 f(x) x^2 - x^3 - 44 f(x) x - 2 x^2 + f(x) - 2 x - 1)$

Sequence: A162889
Score: 7.38222
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x + 1)}{990 x^3 - 44 x^2 - 44 x + 1}$$

Sequence: A162896
Score: 3.71657
Type of gen. func.: ogf

{-a(n + 4) + 45 a(n + 3) + 45 a(n + 2) - 1035 a(n + 1), a(0) = 1, a(1) = 47,

a(2) = 2162, a(3) = 98371}

Sequence: A162896
Score: 4.277
Type of gen. func.: ogf

$$(-45 + 92 f(x))$$

$$(1035 f(x) x^3 - 45 f(x) x^2 - x^3 - 45 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A162896
Score: 7.28246
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x + 1)}{1035 x^3 - 45 x^2 - 45 x + 1}$$

Sequence: A162897
Score: 10.1873
Type of gen. func.: ogf

$$\frac{x^7 - x^6 + x^4 - x^3 - x^2 + 2}{(x + 1) (x - 1)^2}$$

Sequence: A162897
Score: 10.5881
Type of gen. func.: lgdogf

$$\frac{4 x^8 - 4 x^7 - 6 x^6 + 7 x^5 - x^4 - 2 x^3 + 4 x^2 - 4 x - 2}{(x - 1) (x + 1) (x^7 - x^6 + x^4 - x^3 - x^2 + 2)}$$

Sequence: A162899
Score: 10.9703
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^5 - 2 x^4 - 10 x^3 + 7 x^2 + 4 x + 5)}{}$$

$$(x - 1) (x + 1) (4 x^4 - 4 x^3 - 7 x^2 + 8 x + 1)$$

Sequence: A162899
Score: 8.08150
Type of gen. func.: ogf

$$\frac{4 x^4 - 4 x^3 - 7 x^2 + 8 x + 1}{(x + 1)^2 (x - 1)^4}$$

Sequence: A162913
Score: 3.76530
Type of gen. func.: ogf

{-a(n + 4) + 46 a(n + 3) + 46 a(n + 2) - 1081 a(n + 1), a(0) = 1, a(1) = 48,

a(2) = 2256, a(3) = 104904}

Sequence: A162913
Score: 4.36297
Type of gen. func.: ogf

$$(-23 + 47 f(x))$$

$$(1081 f(x) x^3 - 46 f(x) x^2 - x^3 - 46 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A162913
Score: 7.42884
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x + 1)}{1081 x^3 - 46 x^2 - 46 x + 1}$$

Sequence: A162914
Score: 3.76530
Type of gen. func.: ogf

{-a(n + 4) + 47 a(n + 3) + 47 a(n + 2) - 1128 a(n + 1), a(0) = 1, a(1) = 49,

a(2) = 2352, a(3) = 111720}

Sequence: A162914
Score: 4.36297
Type of gen. func.: ogf

$$(-47 + 96 f(x))$$

$$(1128 f(x) x^{3} - 47 f(x) x^{2} - x^{3} - 47 f(x) x - 2 x^{2} + f(x) - 2 x - 1)$$

Sequence: A162914
Score: 7.42884
Type of gen. func.: ogf

$$\frac{(x^{2} + x + 1) (x + 1)}{1128 x^{3} - 47 x^{2} - 47 x + 1}$$

Sequence: A162918
Score: 7.93896
Type of gen. func.: ogf

$$- \frac{x^{13} - x^{12} + x^{9} - x^{7} + x^{6} + x^{4} - x^{3} + 3 x^{2} + 7 x - 12}{(x - 1)^{2}}$$

Sequence: A162919
Score: 3.76530
Type of gen. func.: ogf

{-a(n + 4) + 48 a(n + 3) + 48 a(n + 2) - 1176 a(n + 1), a(0) = 1, a(1) = 50,

a(2) = 2450, a(3) = 118825}

Sequence: A162919
Score: 4.36297
Type of gen. func.: ogf

$$(-24 + 49 f(x))$$

3 2 3 2

$$(1176 f(x) x - 48 f(x) x - x - 48 f(x) x - 2 x + f(x) - 2 x - 1)$$

Sequence: A162919
Score: 7.42884
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x + 1)}{1176 x^3 - 48 x^2 - 48 x + 1}$$

Sequence: A162920
Score: 4.83963
Type of gen. func.: ogf

$$(f(x) + 2)$$

$$(f(x) x^4 - f(x) x^3 - x^4 - f(x) x^2 - 2 x^3 - f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A162920
Score: 8.25584
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^2}{x^4 - x^3 - x^2 - x + 1}$$

Sequence: A162921
Score: 4.26395
Type of gen. func.: ogf

$$-(f(x) - 1) (3 f(x) x^4 - 2 f(x) x^3 - x^4 - 2 f(x) x^2 - 2 x^3 - 2 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A162921
Score: 7.47447
Type of gen. func.: ogf

$$(x^2 + 1) (x + 1)^2$$

$$\overline{3 x^4 - 2 x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A162925
Score: 4.49311
Type of gen. func.: ogf

$$(f(x) - 1) (6 f(x) x^4 - 3 f(x) x^3 - x^4 - 3 f(x) x^2 - 2 x^3 - 3 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A162925
Score: 7.66471
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^2}{6 x^4 - 3 x^3 - 3 x^2 - 3 x + 1}$$

Sequence: A162937
Score: 4.08018
Type of gen. func.: ogf

$$-(-5 + 8 f(x)) (10 f(x) x^4 - 4 f(x) x^3 - x^4 - 4 f(x) x^2 - 2 x^3 - 4 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A162937
Score: 7.11658
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^2}{10 x^4 - 4 x^3 - 4 x^2 - 4 x + 1}$$

Sequence: A162940
Score: 10.5421
Type of gen. func.: ogf

$$f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 36 x$$

Sequence: A162940
Score: 16.6802
Type of gen. func.: ogf

$$-\frac{36 x}{(x - 1)^3}$$

Sequence: A162940
Score: 58.6169
Type of gen. func.: ogf_with_Euler_transform]

[3]

Sequence: A162940
Score: 6.73059
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 36, a(2) = 108\}$$

Sequence: A162940
Score: 94.5276
Type of gen. func.: lgdogf

$$-\frac{3}{x - 1}$$

Sequence: A162941
Score: 4.10079
Type of gen. func.: ogf

$$(-6 + 13 f(x)) (15 f(x) x^4 - 5 f(x) x^3 - x^4 - 5 f(x) x^2 - 2 x^3 - 5 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A162941
Score: 7.00948
Type of gen. func.: ogf

$$\frac{(x^2 + 1)\,(x + 1)^2}{15\,x^4 - 5\,x^3 - 5\,x^2 - 5\,x + 1}$$

Sequence: A162942
Score: 16.4860
Type of gen. func.: ogf

$$-\frac{49\,x}{(x - 1)^3}$$

Sequence: A162942
Score: 57.9216
Type of gen. func.: ogf_with_Euler_transform]

[3]

Sequence: A162942
Score: 6.65225
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 49, a(2) = 147}

Sequence: A162942
Score: 9.72253
Type of gen. func.: ogf

$$f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x - f(x) + 49\,x$$

Sequence: A162942
Score: 93.4208
Type of gen. func.: lgdogf

$$-\frac{3}{}$$

$$x - 1$$

Sequence: A162949
Score: 3.87448
Type of gen. func.: ogf

$$-(9 f(x) + 7) (21 f(x) x^4 - 6 f(x) x^3 - x^4 - 6 f(x) x^2 - 2 x^3 - 6 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A162949
Score: 6.75781
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^2}{21 x^4 - 6 x^3 - 6 x^2 - 6 x + 1}$$

Sequence: A162959
Score: 16.7601
Type of gen. func.: ogf

$$\frac{2 (x + 1) x}{x^4 - 4 x^2 + 1}$$

Sequence: A162959
Score: 18.6692
Type of gen. func.: lgdogf

$$- \frac{3 x^4 + 4 x^3 - 4 x^2 - 8 x - 1}{(x + 1) (x^4 - 4 x^2 + 1)}$$

Sequence: A162959
Score: 9.44985
Type of gen. func.: ogf

$$-(10 f(x) + 1) (f(x) x^4 - 4 f(x) x^2 - 2 x^2 + f(x) - 2 x)$$

Sequence: A162960
Score: 4.20634
Type of gen. func.: ogf

$$(4 + 5 f(x)) (28 f(x) x^4 - 7 f(x) x^3 - x^4 - 7 f(x) x^2 - 2 x^3 - 7 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A162960
Score: 7.14099
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^2}{28 x^4 - 7 x^3 - 7 x^2 - 7 x + 1}$$

Sequence: A162962
Score: 10.8945
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A162962
Score: 17.0060
Type of gen. func.: ogf

$$- \frac{5 x + 1}{5 x^2 - 1}$$

Sequence: A162962
Score: 18.4768
Type of gen. func.: revogf

$$\frac{-1 + (20 x^2 + 20 x + 1)^{1/2}}{10 (x + 1)}$$

Sequence: A162962
Score: 20.1071
Type of gen. func.: lgdogf

$$-\frac{5\,(5\,x^2+2\,x+1)}{(5\,x+1)\,(5\,x^2-1)}$$

Sequence: A162962
Score: 9.82036
Type of gen. func.: ogf

$$-(2\,f(x)+1)\,(5\,f(x)\,x^2-f(x)+5\,x+1)$$

Sequence: A162963
Score: 10.4176
Type of gen. func.: ogf

$$\{a(n+2)-5\,a(n),\ a(0)=2,\ a(1)=5\}$$

Sequence: A162963
Score: 16.2616
Type of gen. func.: ogf

$$-\frac{5\,x+2}{5\,x^2-1}$$

Sequence: A162963
Score: 19.2134
Type of gen. func.: lgdogf

$$-\frac{5\,(5\,x^2+4\,x+1)}{(5\,x+2)\,(5\,x^2-1)}$$

Sequence: A162963
Score: 19.2134

Type of gen. func.: revogf

$$\frac{-1 + (5 x^2 + 5 x + 1)^{1/2}}{5 (x + 1)}$$

Sequence: A162963
Score: 9.13321
Type of gen. func.: ogf

$$-(18 f(x) - 11) (5 f(x) x^2 - f(x) + 5 x + 2)$$

Sequence: A162968
Score: 17.0532
Type of gen. func.: lgdegf]

$$- \frac{6 (x + 1)^2}{(x - 1) (3 x^2 + 2 x + 1)}$$

Sequence: A162968
Score: 3.79099
Type of gen. func.: egf]

$(55188 f(x) + 128309)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 3 x^2 + f(x) - 2 x - 1)$$

Sequence: A162968
Score: 7.58199
Type of gen. func.: egf]

$$\frac{3 x^2 + 2 x + 1}{(x - 1)^4}$$

Sequence: A162970
Score: 22.4818
Type of gen. func.: lgdegf]

$$\frac{x^3 + 2 x^2 + 5 x + 3}{x^2 + x + 2}$$

Sequence: A162970
Score: 3.90216
Type of gen. func.: ogf

$$\{(n^2 + 7 n + 12) a(n + 1) + (n + 4) a(n + 2) + (-2 - n) a(n + 3), a(0) = 0,$$
$$a(1) = 1, a(2) = 3\}$$

Sequence: A162983
Score: 3.80242
Type of gen. func.: ogf

$$-(9 + 11 f(x)) (36 f(x) x^4 - 8 f(x) x^3 - x^4 - 8 f(x) x^2 - 2 x^3 - 8 f(x) x$$
$$- 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A162983
Score: 6.67635
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^2}{36 x^4 - 8 x^3 - 8 x^2 - 8 x + 1}$$

Sequence: A162985
Score: 7.55166
Type of gen. func.: ogf

$$-f(x)^2 x^3 + f(x) x^3 - f(x) x^2 - f(x) x + f(x) - 1$$

Sequence: A162987
Score: 3.74967
Type of gen. func.: ogf

$$(-10 + 43 f(x)) (45 f(x) x^4 - 9 f(x) x^3 - x^4 - 9 f(x) x^2 - 2 x^3 - 9 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A162987
Score: 6.45292
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^2}{45 x^4 - 9 x^3 - 9 x^2 - 9 x + 1}$$

Sequence: A162993
Score: 4.28347
Type of gen. func.: ogf

$$\{(n^2 + 10 n + 25) a(n + 1) - a(n + 2), a(0) = 9, a(1) = 144\}$$

Sequence: A162994
Score: 3.94662
Type of gen. func.: ogf

$$\{(n^2 + 12 n + 36) a(n + 1) - a(n + 2), a(0) = 64, a(1) = 1600\}$$

Sequence: A163003
Score: 5.86725
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^4 - x^3 + x^2 + x - 1)}{(x^2 + x - 1) (x^6 - 7 x^5 + x^4 + 6 x^3 - 11 x^2 + 7 x - 1)}$$

Sequence: A163012
Score: 5.76071
Type of gen. func.: ogf

$$-\frac{x^5 - 6x^4 + 3x^2 - 5x + 3}{x^6 - 7x^5 + x^4 + 6x^3 - 11x^2 + 7x - 1}$$

Sequence: A163020
Score: 4.50868
Type of gen. func.: ogf

$$\frac{x^6 + x^4 + 5x^2 - 2x - 1}{(x - 1)(x^2 + 2x - 1)(x^6 - 7x^5 + x^4 + 6x^3 - 11x^2 + 7x - 1)}$$

Sequence: A163029
Score: 5.38228
Type of gen. func.: ogf

$$-\frac{2(x^5 - 4x^4 - 3x^3 + 7x^2 - 7x + 3)}{x^6 - 7x^5 + x^4 + 6x^3 - 11x^2 + 7x - 1}$$

Sequence: A163037
Score: 14.3552
Type of gen. func.: lgdogf

$$-\frac{3x^3 + 9x^2 + 7x - 7}{(x - 1)(x + 1)(x^2 + 2x - 1)}$$

Sequence: A163037
Score: 8.56062
Type of gen. func.: ogf

$$\frac{(x + 1)^2}{(x^2 + 2x - 1)(x - 1)^3}$$

Sequence: A163047

Score: 5.84341
Type of gen. func.: lgdogf

$$-\frac{3x^8 - 6x^7 - 61x^6 + 122x^5 - 24x^4 - 58x^3 + 51x^2 - 18x + 3}{(x - 1)(x^2 + 3x - 1)(x^6 - 7x^5 + x^4 + 6x^3 - 11x^2 + 7x - 1)}$$

Sequence: A163047
Score: 6.97146
Type of gen. func.: ogf

$$-\frac{(x - 1)(x^2 + 3x - 1)}{x^6 - 7x^5 + x^4 + 6x^3 - 11x^2 + 7x - 1}$$

Sequence: A163055
Score: 3.58033
Type of gen. func.: ogf

$$-(11 + 13 f(x))(55 f(x) x^4 - 10 f(x) x^3 - x^4 - 10 f(x) x^2 - 2x^3 - 10 f(x) x - 2x^2 + f(x) - 2x - 1)$$

Sequence: A163055
Score: 6.23540
Type of gen. func.: ogf

$$\frac{(x^2 + 1)(x + 1)^2}{55x^4 - 10x^3 - 10x^2 - 10x + 1}$$

Sequence: A163062
Score: 13.4891
Type of gen. func.: ogf

$$-\frac{3 + 2x}{4x^2 + 2x - 1}$$

Sequence: A163062
Score: 14.1499
Type of gen. func.: revogf

$$\frac{-3 - 2 x + (20 x^2 + 20 x + 9)^{1/2}}{4 (2 x + 1)}$$

Sequence: A163062
Score: 16.5082
Type of gen. func.: lgdogf

$$- \frac{8 (x^2 + 3 x + 1)}{(3 + 2 x) (4 x^2 + 2 x - 1)}$$

Sequence: A163062
Score: 6.82032
Type of gen. func.: ogf

$$(195 f(x) - 329) (4 f(x) x^2 + 2 f(x) x - f(x) + 2 x + 3)$$

Sequence: A163062
Score: 7.40254
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 4 a(n), a(0) = 3, a(1) = 8\}$$

Sequence: A163063
Score: 13.0511
Type of gen. func.: ogf

$$\frac{-3 + x}{x^2 + 4 x - 1}$$

Sequence: A163063
Score: 14.3733
Type of gen. func.: revogf

$$\frac{-3 - 4 x + (20 x^2 + 20 x + 9)^{1/2}}{2 (x - 1)}$$

Sequence: A163063
Score: 17.9667
Type of gen. func.: lgdogf

$$- \frac{x^2 - 6 x - 11}{(-3 + x) (x^2 + 4 x - 1)}$$

Sequence: A163063
Score: 6.45383
Type of gen. func.: ogf

$$-(50 f(x) - 29) (f(x) x^2 + 4 f(x) x - f(x) - x + 3)$$

Sequence: A163063
Score: 7.07588
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + a(n), a(0) = 3, a(1) = 11\}$$

Sequence: A163064
Score: 12.5039
Type of gen. func.: ogf

$$- \frac{7 x - 3}{11 x^2 - 8 x + 1}$$

Sequence: A163064
Score: 12.7999
Type of gen. func.: revogf

$$- \frac{-3 - 8 x + (20 x^2 + 20 x + 9)^{1/2}}{}$$

$$2 (7 + 11 x)$$

Sequence: A163064
Score: 14.0799
Type of gen. func.: lgdogf

$$-\frac{77 x^2 - 66 x + 17}{(7 x - 3) (11 x^2 - 8 x + 1)}$$

Sequence: A163064
Score: 6.25196
Type of gen. func.: ogf

$$-(70 f(x) + 79) (11 f(x) x^2 - 8 f(x) x + f(x) + 7 x - 3)$$

Sequence: A163064
Score: 6.84738
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 11 a(n), a(0) = 3, a(1) = 17\}$$

Sequence: A163065
Score: 12.8567
Type of gen. func.: ogf

$$-\frac{10 x - 3}{20 x^2 - 10 x + 1}$$

Sequence: A163065
Score: 13.4475
Type of gen. func.: revogf

$$-\frac{-3 - 10 x + (20 x^2 + 20 x + 9)^{1/2}}{20 (2 x + 1)}$$

Sequence: A163065
Score: 14.0730
Type of gen. func.: lgdogf

$$-\frac{20\,(10\,x^2 - 6\,x + 1)}{(10\,x - 3)\,(20\,x^2 - 10\,x + 1)}$$

Sequence: A163065
Score: 6.49601
Type of gen. func.: ogf

$$-(87\,f(x) + 139)\,(20\,f(x)\,x^2 - 10\,f(x)\,x + f(x) + 10\,x - 3)$$

Sequence: A163065
Score: 7.26024
Type of gen. func.: ogf

$$\{a(n + 2) - 10\,a(n + 1) + 20\,a(n),\ a(0) = 3,\ a(1) = 20\}$$

Sequence: A163066
Score: 13.5764
Type of gen. func.: ogf

$$-\frac{7\,x - 2}{31\,x^2 - 12\,x + 1}$$

Sequence: A163066
Score: 14.5606
Type of gen. func.: lgdogf

$$-\frac{217\,x^2 - 124\,x + 17}{(7\,x - 2)\,(31\,x^2 - 12\,x + 1)}$$

Sequence: A163066
Score: 16.4765
Type of gen. func.: revogf

$$-\frac{-1 - 6 x + (5 x^2 + 5 x + 1)^{1/2}}{7 + 31 x}$$

Sequence: A163066
Score: 7.0899
Type of gen. func.: ogf

$$(80 f(x) + 129) (31 f(x) x^2 - 12 f(x) x + f(x) + 7 x - 2)$$

Sequence: A163066
Score: 7.50694
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 31 a(n), a(0) = 2, a(1) = 17\}$$

Sequence: A163067
Score: 12.7175
Type of gen. func.: ogf

$$-\frac{9 x - 2}{44 x^2 - 14 x + 1}$$

Sequence: A163067
Score: 13.6266
Type of gen. func.: lgdogf

$$-\frac{396 x^2 - 176 x + 19}{(9 x - 2) (44 x^2 - 14 x + 1)}$$

Sequence: A163067
Score: 15.4196
Type of gen. func.: revogf

$$-\frac{-1 - 7 x + (5 x^2 + 5 x + 1)^{1/2}}{}$$

```
                                9 + 44 x
```

Sequence: A163067
Score: 6.64135
Type of gen. func.: ogf

```
                                     2
           (90 f(x) + 181) (44 f(x) x  - 14 f(x) x + f(x) + 9 x - 2)
```

Sequence: A163067
Score: 7.03201
Type of gen. func.: ogf

```
            {-a(n + 2) + 14 a(n + 1) - 44 a(n), a(0) = 2, a(1) = 19}
```

Sequence: A163068
Score: 11.5615
Type of gen. func.: ogf

```
                                11 x - 2
                          - ----------------
                                 2
                            59 x  - 16 x + 1
```

Sequence: A163068
Score: 12.3498
Type of gen. func.: lgdogf

```
                                2
                          649 x  - 236 x + 21
                   - -----------------------------
                                          2
                     (11 x - 2) (59 x  - 16 x + 1)
```

Sequence: A163068
Score: 13.9331
Type of gen. func.: revogf

```
                                    2           1/2
                     -1 - 8 x + (5 x  + 5 x + 1)
                   - -------------------------------
                               11 + 59 x
```

Sequence: A163068
Score: 6.03208
Type of gen. func.: ogf

$$(100 f(x) + 241) (59 f(x) x^2 - 16 f(x) x + f(x) + 11 x - 2)$$

Sequence: A163068
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 16 a(n + 1) - 59 a(n), a(0) = 2, a(1) = 21\}$$

Sequence: A163069
Score: 13.7009
Type of gen. func.: ogf

$$-\frac{x + 4}{4 x^2 + 2 x - 1}$$

Sequence: A163069
Score: 17.2523
Type of gen. func.: lgdogf

$$-\frac{4 x^2 + 32 x + 9}{(x + 4) (4 x^2 + 2 x - 1)}$$

Sequence: A163069
Score: 17.7597
Type of gen. func.: revogf

$$\frac{-2 - x + (5 x^2 + 5 x + 4)^{1/2}}{1 + 4 x}$$

Sequence: A163069
Score: 6.70155
Type of gen. func.: ogf

$$-(50 f(x) - 119) (4 f(x) x^2 + 2 f(x) x - f(x) + x + 4)$$

Sequence: A163069
Score: 7.51880
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 4 a(n), a(0) = 4, a(1) = 9\}$$

Sequence: A163070
Score: 13.2571
Type of gen. func.: ogf

$$\frac{-4 + 3 x}{x^2 + 4 x - 1}$$

Sequence: A163070
Score: 16.2280
Type of gen. func.: lgdogf

$$- \frac{3 x^2 - 8 x - 13}{(-4 + 3 x) (x^2 + 4 x - 1)}$$

Sequence: A163070
Score: 16.6916
Type of gen. func.: revogf

$$\frac{-2 - 2 x + (5 x^2 + 5 x + 4)^{1/2}}{-3 + x}$$

Sequence: A163070
Score: 6.55573
Type of gen. func.: ogf

$$-(60 f(x) - 71) (f(x) x^2 + 4 f(x) x - f(x) - 3 x + 4)$$

Sequence: A163070
Score: 7.18760
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + a(n), a(0) = 4, a(1) = 13\}$$

Sequence: A163071
Score: 13.1929
Type of gen. func.: ogf

$$-\frac{7 x - 4}{4 x^2 - 6 x + 1}$$

Sequence: A163071
Score: 14.9103
Type of gen. func.: lgdogf

$$-\frac{28 x^2 - 32 x + 17}{(7 x - 4) (4 x^2 - 6 x + 1)}$$

Sequence: A163071
Score: 15.7163
Type of gen. func.: revogf

$$-\frac{-2 - 3 x + (5 x^2 + 5 x + 4)^{1/2}}{7 + 4 x}$$

Sequence: A163071
Score: 6.59647
Type of gen. func.: ogf

$$-(70 f(x) + 9) (4 f(x) x^2 - 6 f(x) x + f(x) + 7 x - 4)$$

Sequence: A163071
Score: 7.15278

Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 4 a(n), a(0) = 4, a(1) = 17\}$$

Sequence: A163072
Score: 12.8567
Type of gen. func.: ogf

$$-\frac{15 x - 4}{20 x^2 - 10 x + 1}$$

Sequence: A163072
Score: 14.0730
Type of gen. func.: lgdogf

$$-\frac{5 (60 x^2 - 32 x + 5)}{(15 x - 4) (20 x^2 - 10 x + 1)}$$

Sequence: A163072
Score: 14.7595
Type of gen. func.: revogf

$$-\frac{-2 - 5 x + (5 x^2 + 5 x + 4)^{1/2}}{5 (3 + 4 x)}$$

Sequence: A163072
Score: 6.56512
Type of gen. func.: ogf

$$-(18 f(x) + 53) (20 f(x) x^2 - 10 f(x) x + f(x) + 15 x - 4)$$

Sequence: A163072
Score: 7.26024
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 20 a(n), a(0) = 4, a(1) = 25\}$$

Sequence: A163073
Score: 13.1708
Type of gen. func.: ogf

$$-\frac{-1 + 3 x}{11 x^2 - 8 x + 1}$$

Sequence: A163073
Score: 13.8065
Type of gen. func.: revogf

$$-\frac{-1 - 8 x + (20 x^2 + 4 x + 1)^{1/2}}{2 (3 + 11 x)}$$

Sequence: A163073
Score: 14.8420
Type of gen. func.: lgdogf

$$-\frac{33 x^2 - 22 x + 5}{(-1 + 3 x) (11 x^2 - 8 x + 1)}$$

Sequence: A163073
Score: 6.6578
Type of gen. func.: ogf

$$-(18 f(x) + 7) (11 f(x) x^2 - 8 f(x) x + f(x) + 3 x - 1)$$

Sequence: A163073
Score: 7.29951
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 11 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A163084

Score: 4.69919
Type of gen. func.: ogf

$$-(6 + 7 f(x)) (66 f(x) x^4 - 11 f(x) x^3 - x^4 - 11 f(x) x^2 - 2 x^3 - 11 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A163084
Score: 8.07837
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^2}{66 x^4 - 11 x^3 - 11 x^2 - 11 x + 1}$$

Sequence: A163090
Score: 4.75452
Type of gen. func.: ogf

$$-(13 + 15 f(x)) (78 f(x) x^4 - 12 f(x) x^3 - x^4 - 12 f(x) x^2 - 2 x^3 - 12 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A163090
Score: 5.76192
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^2}{78 x^4 - 12 x^3 - 12 x^2 - 12 x + 1}$$

Sequence: A163091
Score: 4.93415
Type of gen. func.: ogf

$$-(7 + 8 f(x)) (91 f(x) x^4 - 13 f(x) x^3 - x^4 - 13 f(x) x^2 - 2 x^3 - 13 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A163091
Score: 5.92109
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^2}{91 x^4 - 13 x^3 - 13 x^2 - 13 x + 1}$$

Sequence: A163092
Score: 4.41666
Type of gen. func.: ogf

$$-(15 + 17 f(x)) (105 f(x) x^4 - 14 f(x) x^3 - x^4 - 14 f(x) x^2 - 2 x^3 - 14 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A163092
Score: 5.94974
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^2}{105 x^4 - 14 x^3 - 14 x^2 - 14 x + 1}$$

Sequence: A163093
Score: 4.56962
Type of gen. func.: ogf

$$-(8 + 9 f(x)) (120 f(x) x^4 - 15 f(x) x^3 - x^4 - 15 f(x) x^2 - 2 x^3 - 15 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A163093
Score: 6.10714
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^2}{}$$

$$120 x^4 - 15 x^3 - 15 x^2 - 15 x + 1$$

Sequence: A163102
Score: 22.9569
Type of gen. func.: lgdogf

$$- \frac{3 (x^2 + 6 x + 3)}{(x - 1) (x^2 + 4 x + 1)}$$

Sequence: A163102
Score: 3.76451
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-3 + 3 n) a(n + 3) + (-21 - 3 n) a(n + 2) + (-3 - n) a(n + 1), a(0) = 0, a(1) = 2, a(2) = 18, a(3) = 72\}$$

Sequence: A163102
Score: 8.98039
Type of gen. func.: ogf

$$- \frac{2 x (x^2 + 4 x + 1)}{(x - 1)^5}$$

Sequence: A163104
Score: 4.58653
Type of gen. func.: ogf

$$-(17 + 19 f(x)) (136 f(x) x^4 - 16 f(x) x^3 - x^4 - 16 f(x) x^2 - 2 x^3 - 16 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A163104
Score: 6.20158
Type of gen. func.: ogf

2 2

```
                               (x  + 1) (x + 1)
                       ---------------------------------
                            4       3       2
                       136 x  - 16 x  - 16 x  - 16 x + 1
```

Sequence: A163110
Score: 4.7111
Type of gen. func.: ogf

```
                          4            3    4            2      3
-(9 + 10 f(x)) (153 f(x) x  - 17 f(x) x  - x  - 17 f(x) x  - 2 x  - 17 f(x) x

          2
     - 2 x  + f(x) - 2 x - 1)
```

Sequence: A163110
Score: 5.51438
Type of gen. func.: ogf

```
                                 2             2
                               (x  + 1) (x + 1)
                       ---------------------------------
                            4       3       2
                       153 x  - 17 x  - 17 x  - 17 x + 1
```

Sequence: A163114
Score: 10.5228
Type of gen. func.: ogf

```
                    {-a(n + 2) + 5 a(n), a(0) = 3, a(1) = 5}
```

Sequence: A163114
Score: 10.6450
Type of gen. func.: revegf]

```
                        /          1/2             1/2
                    1/2 |         5               5    (x + 1) |
               1/5 5    |-arcsinh(----) + arcsinh(------------)|
                                   2                   2       /
```

Sequence: A163114
Score: 16.4259
Type of gen. func.: ogf

```
                                     5 x + 3
                                   - --------
```

$$5 x^2 - 1$$

Sequence: A163114
Score: 19.4115
Type of gen. func.: lgdogf

$$- \frac{5 (x + 1) (5 x + 1)}{(5 x + 3) (5 x^2 - 1)}$$

Sequence: A163114
Score: 9.62085
Type of gen. func.: ogf

$$(42 f(x) - 101) (5 f(x) x^2 - f(x) + 5 x + 3)$$

Sequence: A163124
Score: 3.21691
Type of gen. func.: ogf

$$-(19 + 21 f(x)) (171 f(x) x^4 - 18 f(x) x^3 - x^4 - 18 f(x) x^2 - 2 x^3 - 18 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A163124
Score: 5.57599
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^2}{171 x^4 - 18 x^3 - 18 x^2 - 18 x + 1}$$

Sequence: A163128
Score: 5.66181
Type of gen. func.: ogf

$$x (9 x^{12} + 9 x^{11} + 9 x^{10} + 10 x^9 + 10 x^8 + 10 x^7 + 10 x^6 + 10 x^5 + 10 x^4 + x^3$$

```
        2            /            4    3    2            4    3    2
     + x  + x + 1)  /  ((x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1)
                   /

           2
    (x - 1) )


------------------------------------------------------------------------------

Sequence:  A163139
Score: 6.74025
Type of gen. func.: ogf


      12      11      10       9       8       7       6       5       4    3
- (9 x   + 9 x   + 9 x   + 10 x  + 10 x  + 10 x  + 10 x  + 10 x  + 10 x  + x

        2            /                    4    3    2
     + x  + x + 1)  /  ((x - 1) (x + 1) (x  + x  + x  + x + 1)
                   /

      4    3    2
    (x  - x  + x  - x + 1))


------------------------------------------------------------------------------

Sequence:  A163141
Score: 10.6280
Type of gen. func.: ogf


                    {-a(n + 2) + 5 a(n), a(0) = 4, a(1) = 5}


------------------------------------------------------------------------------

Sequence:  A163141
Score: 16.5901
Type of gen. func.: ogf


                                     5 x + 4
                                   - --------
                                        2
                                     5 x  - 1


------------------------------------------------------------------------------

Sequence:  A163141
Score: 19.6096
Type of gen. func.: lgdogf


                                      2
                                5 (5 x  + 8 x + 1)
                             - --------------------
                                             2
                               (5 x + 4) (5 x  - 1)


------------------------------------------------------------------------------

Sequence:  A163141
```

Score: 19.6096
Type of gen. func.: revogf

$$\frac{-2 + (5 x^2 + 5 x + 4)^{1/2}}{5 (x + 1)}$$

Sequence: A163141
Score: 9.71705
Type of gen. func.: ogf

$$(84 f(x) - 311) (5 f(x) x^2 - f(x) + 5 x + 4)$$

Sequence: A163145
Score: 4.26145
Type of gen. func.: ogf

$$-(10 + 11 f(x)) (190 f(x) x^4 - 19 f(x) x^3 - x^4 - 19 f(x) x^2 - 2 x^3 - 19 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A163145
Score: 5.66841
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^2}{190 x^4 - 19 x^3 - 19 x^2 - 19 x + 1}$$

Sequence: A163146
Score: 13.4489
Type of gen. func.: ogf

$$-\frac{x - 1}{31 x^2 - 12 x + 1}$$

Sequence: A163146
Score: 13.7804

Type of gen. func.: revogf

$$-\frac{-1 - 12 x + (20 x^2 + 20 x + 1)^{1/2}}{2 (1 + 31 x)}$$

Sequence: A163146
Score: 15.9004
Type of gen. func.: lgdogf

$$-\frac{31 x^2 - 62 x + 11}{(x - 1) (31 x^2 - 12 x + 1)}$$

Sequence: A163146
Score: 7.10224
Type of gen. func.: ogf

$$(70 f(x) + 51) (31 f(x) x^2 - 12 f(x) x + f(x) + x - 1)$$

Sequence: A163146
Score: 7.43646
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 31 a(n), a(0) = 1, a(1) = 11\}$$

Sequence: A163147
Score: 12.4669
Type of gen. func.: ogf

$$-\frac{2 x - 1}{44 x^2 - 14 x + 1}$$

Sequence: A163147
Score: 12.7592
Type of gen. func.: revogf

$$-1 - 14 x + (20 x^2 + 20 x + 1)^{1/2}$$

$$- \frac{\quad}{4 (1 + 22 x)}$$

Sequence: A163147
Score: 13.6706
Type of gen. func.: lgdogf

$$- \frac{4 (22 x^2 - 22 x + 3)}{(2 x - 1) (44 x^2 - 14 x + 1)}$$

Sequence: A163147
Score: 6.43894
Type of gen. func.: ogf

$$(565 f(x) + 731) (44 f(x) x^2 - 14 f(x) x + f(x) + 2 x - 1)$$

Sequence: A163147
Score: 6.89346
Type of gen. func.: ogf

$$\{-a(n + 2) + 14 a(n + 1) - 44 a(n), a(0) = 1, a(1) = 12\}$$

Sequence: A163148
Score: 11.8075
Type of gen. func.: ogf

$$- \frac{-1 + 3 x}{59 x^2 - 16 x + 1}$$

Sequence: A163148
Score: 12.0753
Type of gen. func.: revogf

$$- \frac{-16 x - 1 + (20 x^2 + 20 x + 1)^{1/2}}{2 (3 + 59 x)}$$

Sequence: A163148
Score: 12.3498
Type of gen. func.: lgdogf

$$-\frac{177 x^2 - 118 x + 13}{(-1 + 3 x) (59 x^2 - 16 x + 1)}$$

Sequence: A163148
Score: 6.23541
Type of gen. func.: ogf

$$(90 f(x) + 79) (59 f(x) x^2 - 16 f(x) x + f(x) + 3 x - 1)$$

Sequence: A163148
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 16 a(n + 1) - 59 a(n), a(0) = 1, a(1) = 13\}$$

Sequence: A163149
Score: 3.28801
Type of gen. func.: ogf

$$-(21 + 23 f(x)) (210 f(x) x^4 - 20 f(x) x^3 - x^4 - 20 f(x) x^2 - 2 x^3 - 20 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A163149
Score: 5.69921
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^2}{210 x^4 - 20 x^3 - 20 x^2 - 20 x + 1}$$

Sequence: A163165

Score: 11.6217
Type of gen. func.: ogf

$$-\frac{10x-1}{(12x-1)(8x-1)}$$

Sequence: A163165
Score: 12.1396
Type of gen. func.: lgdogf

$$-\frac{2(480x^2-96x+5)}{(12x-1)(8x-1)(10x-1)}$$

Sequence: A163165
Score: 5.9983
Type of gen. func.: ogf

$$-(2f(x)+23)(96f(x)x^2-20f(x)x+f(x)+10x-1)$$

Sequence: A163165
Score: 6.56284
Type of gen. func.: ogf

$$\{a(n+2)-20a(n+1)+96a(n), a(0)=1, a(1)=10\}$$

Sequence: A163166
Score: 11.7421
Type of gen. func.: ogf

$$-\frac{10x-1}{95x^2-20x+1}$$

Sequence: A163166
Score: 12.5468
Type of gen. func.: lgdogf

$$10(95x^2-19x+1)$$
$$- \text{------------------------------}$$

$$(10 x - 1) (95 x^2 - 20 x + 1)$$

Sequence: A163166
Score: 5.93287
Type of gen. func.: ogf

$$-(61 f(x) + 339) (95 f(x) x^2 - 20 f(x) x + f(x) + 10 x - 1)$$

Sequence: A163166
Score: 6.63085
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1) + 95 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A163171
Score: 3.37687
Type of gen. func.: ogf

$$-(11 + 12 f(x)) (231 f(x) x^4 - 21 f(x) x^3 - x^4 - 21 f(x) x^2 - 2 x^3 - 21 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A163171
Score: 5.85324
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^2}{231 x^4 - 21 x^3 - 21 x^2 - 21 x + 1}$$

Sequence: A163174
Score: 3.39464
Type of gen. func.: ogf

$$-(23 + 25 f(x)) (253 f(x) x^4 - 22 f(x) x^3 - x^4 - 22 f(x) x^2 - 2 x^3 - 22 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A163174
Score: 5.88406
Type of gen. func.: ogf

$$\frac{(x^2+1)(x+1)^2}{253x^4-22x^3-22x^2-22x+1}$$

Sequence: A163175
Score: 3.43019
Type of gen. func.: ogf

$$-(12+13f(x))(276f(x)x^4-23f(x)x^3-x^4-23f(x)x^2-2x^3-23f(x)x-2x^2+f(x)-2x-1)$$

Sequence: A163175
Score: 5.94567
Type of gen. func.: ogf

$$\frac{(x^2+1)(x+1)^2}{276x^4-23x^3-23x^2-23x+1}$$

Sequence: A163177
Score: 3.46574
Type of gen. func.: ogf

$$-(25+27f(x))(300f(x)x^4-24f(x)x^3-x^4-24f(x)x^2-2x^3-24f(x)x-2x^2+f(x)-2x-1)$$

Sequence: A163177
Score: 6.00728
Type of gen. func.: ogf

$$(x^2+1)(x+1)^2$$

$$\frac{}{300 x^4 - 24 x^3 - 24 x^2 - 24 x + 1}$$

Sequence: A163179
Score: 3.50128
Type of gen. func.: ogf

$$-(13 + 14 f(x)) (325 f(x) x^4 - 25 f(x) x^3 - x^4 - 25 f(x) x^2 - 2 x^3 - 25 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A163179
Score: 6.06889
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^2}{325 x^4 - 25 x^3 - 25 x^2 - 25 x + 1}$$

Sequence: A163187
Score: 3.5546
Type of gen. func.: ogf

$$-(27 + 29 f(x)) (351 f(x) x^4 - 26 f(x) x^3 - x^4 - 26 f(x) x^2 - 2 x^3 - 26 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A163187
Score: 6.16131
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^2}{351 x^4 - 26 x^3 - 26 x^2 - 26 x + 1}$$

Sequence: A163192
Score: 10.4475
Type of gen. func.: ogf

$$-\frac{10x-1}{93x^2-20x+1}$$

Sequence: A163192
Score: 11.1397
Type of gen. func.: lgdogf

$$-\frac{2(465x^2-93x+5)}{(10x-1)(93x^2-20x+1)}$$

Sequence: A163192
Score: 5.39224
Type of gen. func.: ogf

$$-(7f(x)+43)(93f(x)x^2-20f(x)x+f(x)+10x-1)$$

Sequence: A163192
Score: 5.89974
Type of gen. func.: ogf

$$\{a(n+2)-20a(n+1)+93a(n), a(0)=1, a(1)=10\}$$

Sequence: A163194
Score: 7.78890
Type of gen. func.: lgdogf

$$-\frac{3x^6-124x^5+1435x^4-3710x^3+2225x^2+1958x-539}{(x+1)(x^2-3x+1)(x^2-18x+1)(x^2-21x+28)}$$

Sequence: A163194
Score: 8.53132
Type of gen. func.: ogf

$$4x^2(x^2-21x+28)$$

$$\frac{}{(x + 1) (x^2 - 3 x + 1) (x^2 - 18 x + 1)}$$

Sequence: A163195
Score: 7.45937
Type of gen. func.: lgdogf

$$- \frac{3 x^6 - 124 x^5 + 1435 x^4 - 3710 x^3 + 2225 x^2 + 1958 x - 539}{(x + 1) (x^2 - 3 x + 1) (x^2 - 18 x + 1) (x^2 - 21 x + 28)}$$

Sequence: A163195
Score: 8.26294
Type of gen. func.: ogf

$$\frac{x^2 (x^2 - 21 x + 28)}{(x + 1) (x^2 - 3 x + 1) (x^2 - 18 x + 1)}$$

Sequence: A163196
Score: 8.06068
Type of gen. func.: lgdogf

$$- \frac{84 x^6 - 1204 x^5 + 2245 x^4 - 1550 x^3 - 70 x^2 + 14 x + 1}{(x + 1) (x^2 - 3 x + 1) (28 x^2 - 21 x + 1) (x^2 - 18 x + 1)}$$

Sequence: A163196
Score: 9.41515
Type of gen. func.: ogf

$$- \frac{4 (28 x^2 - 21 x + 1)}{(x + 1) (x^2 - 3 x + 1) (x^2 - 18 x + 1)}$$

Sequence: A163197
Score: 7.72095
Type of gen. func.: lgdogf

$$-\frac{84x^6-1204x^5+2245x^4-1550x^3-70x^2+14x+1}{(x+1)(x^2-3x+1)(28x^2-21x+1)(x^2-18x+1)}$$

Sequence: A163197
Score: 9.13157
Type of gen. func.: ogf

$$-\frac{28x^2-21x+1}{(x+1)(x^2-3x+1)(x^2-18x+1)}$$

Sequence: A163198
Score: 8.19711
Type of gen. func.: lgdogf

$$-\frac{3x^6-20x^5-314x^4+836x^3-253x^2-152x+28}{(x-1)(x^2+6x+1)(x^2-18x+1)(x^2-3x+1)}$$

Sequence: A163198
Score: 8.88146
Type of gen. func.: ogf

$$-\frac{x(x^2+6x+1)}{(x-1)(x^2-3x+1)(x^2-18x+1)}$$

Sequence: A163199
Score: 7.54924
Type of gen. func.: ogf

$$\frac{x^4-22x^3+50x^2-22x+1}{(x-1)(x^2-3x+1)(x^2-18x+1)}$$

Sequence: A163200
Score: 4.92449
Type of gen. func.: ogf

$$(561495 f(x) - 17389)$$

$$(f(x) x^4 - 21 f(x) x^3 + 56 f(x) x^2 - x^3 - 21 f(x) x + 12 x^2 + f(x) - x)$$

Sequence: A163200
Score: 9.10241
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - 57 x^4 + 508 x^3 - 714 x^2 + 110 x - 9}{(x^2 - 3 x + 1) (x^2 - 18 x + 1) (x^2 - 12 x + 1)}$$

Sequence: A163200
Score: 9.33734
Type of gen. func.: ogf

$$\frac{x (x^2 - 12 x + 1)}{(x^2 - 3 x + 1) (x^2 - 18 x + 1)}$$

Sequence: A163201
Score: 8.42755
Type of gen. func.: lgdogf

$$- \frac{3 x^6 + 16 x^5 - 320 x^4 - 340 x^3 + 335 x^2 - 68 x - 26}{(x - 1) (x^2 + 3 x + 1) (x^2 + 18 x + 1) (x^2 - 6 x + 1)}$$

Sequence: A163201
Score: 8.77573
Type of gen. func.: ogf

$$\frac{x (x^2 - 6 x + 1)}{(x - 1) (x^2 + 18 x + 1) (x^2 + 3 x + 1)}$$

Sequence: A163202
Score: 6.98062
Type of gen. func.: lgdogf

$$-\frac{2 x^{7} + 59 x^{6} + 572 x^{5} + 1275 x^{4} + 1030 x^{3} - 87 x^{2} - 44 x - 7}{(x - 1) (x + 1) (x^{2} + 18 x + 1) (x^{2} + 3 x + 1) (x^{2} + 12 x + 1)}$$

Sequence: A163202
Score: 7.56816
Type of gen. func.: ogf

$$\frac{x (x + 1) (x^{2} + 12 x + 1)}{(x - 1) (x^{2} + 18 x + 1) (x^{2} + 3 x + 1)}$$

Sequence: A163206
Score: 11.1397
Type of gen. func.: lgdogf

$$-\frac{2 (460 x^{2} - 92 x + 5)}{(10 x - 1) (92 x^{2} - 20 x + 1)}$$

Sequence: A163206
Score: 14.9786
Type of gen. func.: ogf

$$-\frac{10 x - 1}{92 x^{2} - 20 x + 1}$$

Sequence: A163206
Score: 7.73092
Type of gen. func.: ogf

$$-(4 f(x) + 21) (92 f(x) x^{2} - 20 f(x) x + f(x) + 10 x - 1)$$

Sequence: A163206
Score: 8.45853
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1) + 92 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A163207
Score: 3.57237
Type of gen. func.: ogf

$$-(14 + 15 f(x)) (378 f(x) x^4 - 27 f(x) x^3 - x^4 - 27 f(x) x^2 - 2 x^3 - 27 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A163207
Score: 6.19212
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^2}{378 x^4 - 27 x^3 - 27 x^2 - 27 x + 1}$$

Sequence: A163208
Score: 3.60792
Type of gen. func.: ogf

$$-(29 + 31 f(x)) (406 f(x) x^4 - 28 f(x) x^3 - x^4 - 28 f(x) x^2 - 2 x^3 - 28 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A163208
Score: 6.25373
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^2}{406 x^4 - 28 x^3 - 28 x^2 - 28 x + 1}$$

Sequence: A163214
Score: 3.62569
Type of gen. func.: ogf

$$-(15 + 16 f(x)) (435 f(x) x^4 - 29 f(x) x^3 - x^4 - 29 f(x) x^2 - 2 x^3 - 29 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A163214
Score: 6.28453
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^2}{435 x^4 - 29 x^3 - 29 x^2 - 29 x + 1}$$

Sequence: A163215
Score: 3.62569
Type of gen. func.: ogf

$$-(31 + 33 f(x)) (465 f(x) x^4 - 30 f(x) x^3 - x^4 - 30 f(x) x^2 - 2 x^3 - 30 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A163215
Score: 6.28453
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^2}{465 x^4 - 30 x^3 - 30 x^2 - 30 x + 1}$$

Sequence: A163216
Score: 3.7501
Type of gen. func.: ogf

$$-(16 + 17 f(x)) (496 f(x) x^4 - 31 f(x) x^3 - x^4 - 31 f(x) x^2 - 2 x^3 - 31 f(x) x$$

$$- 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A163216
Score: 6.50018
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^2}{496 x^4 - 31 x^3 - 31 x^2 - 31 x + 1}$$

Sequence: A163217
Score: 3.7501
Type of gen. func.: ogf

$$-(33 + 35 f(x)) (528 f(x) x^4 - 32 f(x) x^3 - x^4 - 32 f(x) x^2 - 2 x^3 - 32 f(x) x$$
$$- 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A163217
Score: 6.50018
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^2}{528 x^4 - 32 x^3 - 32 x^2 - 32 x + 1}$$

Sequence: A163218
Score: 3.82364
Type of gen. func.: ogf

$$(-34 + 559 f(x)) (561 f(x) x^4 - 33 f(x) x^3 - x^4 - 33 f(x) x^2 - 2 x^3 - 33 f(x) x$$
$$- 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A163218
Score: 6.50018
Type of gen. func.: ogf

$$\frac{(x^2 + 1)(x + 1)^2}{561 x^4 - 33 x^3 - 33 x^2 - 33 x + 1}$$

Sequence: A163219
Score: 3.78565
Type of gen. func.: ogf

$$-(35 + 37 f(x)) (595 f(x) x^4 - 34 f(x) x^3 - x^4 - 34 f(x) x^2 - 2 x^3 - 34 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A163219
Score: 6.56180
Type of gen. func.: ogf

$$\frac{(x^2 + 1)(x + 1)^2}{595 x^4 - 34 x^3 - 34 x^2 - 34 x + 1}$$

Sequence: A163220
Score: 3.29827
Type of gen. func.: ogf

$$-(18 + 19 f(x)) (630 f(x) x^4 - 35 f(x) x^3 - x^4 - 35 f(x) x^2 - 2 x^3 - 35 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A163220
Score: 5.71700
Type of gen. func.: ogf

$$\frac{(x^2 + 1)(x + 1)^2}{630 x^4 - 35 x^3 - 35 x^2 - 35 x + 1}$$

Sequence: A163221
Score: 3.29827
Type of gen. func.: ogf

$$-(37 + 39 f(x)) (666 f(x) x^4 - 36 f(x) x^3 - x^4 - 36 f(x) x^2 - 2 x^3 - 36 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A163221
Score: 5.71700
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^2}{666 x^4 - 36 x^3 - 36 x^2 - 36 x + 1}$$

Sequence: A163222
Score: 3.33298
Type of gen. func.: ogf

$$-(19 + 20 f(x)) (703 f(x) x^4 - 37 f(x) x^3 - x^4 - 37 f(x) x^2 - 2 x^3 - 37 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A163222
Score: 5.77718
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^2}{703 x^4 - 37 x^3 - 37 x^2 - 37 x + 1}$$

Sequence: A163223
Score: 3.35034
Type of gen. func.: ogf

$$-(39 + 41 f(x)) (741 f(x) x^4 - 38 f(x) x^3 - x^4 - 38 f(x) x^2 - 2 x^3 - 38 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A163223
Score: 5.80727
Type of gen. func.: ogf

$$\frac{(x^{2} + 1) (x + 1)^{2}}{741 x^{4} - 38 x^{3} - 38 x^{2} - 38 x + 1}$$

Sequence: A163224
Score: 3.38506
Type of gen. func.: ogf

$$-(20 + 21 f(x)) (780 f(x) x^{4} - 39 f(x) x^{3} - x^{4} - 39 f(x) x^{2} - 2 x^{3} - 39 f(x) x - 2 x^{2} + f(x) - 2 x - 1)$$

Sequence: A163224
Score: 5.86744
Type of gen. func.: ogf

$$\frac{(x^{2} + 1) (x + 1)^{2}}{780 x^{4} - 39 x^{3} - 39 x^{2} - 39 x + 1}$$

Sequence: A163225
Score: 3.38506
Type of gen. func.: ogf

$$-(41 + 43 f(x)) (820 f(x) x^{4} - 40 f(x) x^{3} - x^{4} - 40 f(x) x^{2} - 2 x^{3} - 40 f(x) x - 2 x^{2} + f(x) - 2 x - 1)$$

Sequence: A163225
Score: 5.86744
Type of gen. func.: ogf

2 2

$$\frac{(x + 1)\,(x + 1)}{820\,x^4 - 40\,x^3 - 40\,x^2 - 40\,x + 1}$$

Sequence: A163226
Score: 3.40242
Type of gen. func.: ogf

$$-(21 + 22\,f(x))\,(861\,f(x)\,x^4 - 41\,f(x)\,x^3 - x^4 - 41\,f(x)\,x^2 - 2\,x^3 - 41\,f(x)\,x - 2\,x^2 + f(x) - 2\,x - 1)$$

Sequence: A163226
Score: 5.89753
Type of gen. func.: ogf

$$\frac{(x^2 + 1)\,(x + 1)^2}{861\,x^4 - 41\,x^3 - 41\,x^2 - 41\,x + 1}$$

Sequence: A163227
Score: 12.0324
Type of gen. func.: lgdogf

$$-\frac{4\,x^7 - 5\,x^6 - 6\,x^5 + 2\,x^2 + 2\,x + 1}{(x - 1)\,(x + 1)\,(x^2 - x - 1)\,(x^4 + x^2 - 1)}$$

Sequence: A163227
Score: 14.2068
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{(x - 1)\,(x + 1)\,(x^4 + x^2 - 1)}$$

Sequence: A163230
Score: 3.41978

Type of gen. func.: ogf

$$-(43 + 45 f(x)) (903 f(x) x^4 - 42 f(x) x^3 - x^4 - 42 f(x) x^2 - 2 x^3 - 42 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A163230
Score: 5.92762
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^2}{903 x^4 - 42 x^3 - 42 x^2 - 42 x + 1}$$

Sequence: A163231
Score: 3.4545
Type of gen. func.: ogf

$$-(22 + 23 f(x)) (946 f(x) x^4 - 43 f(x) x^3 - x^4 - 43 f(x) x^2 - 2 x^3 - 43 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A163231
Score: 5.98780
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^2}{946 x^4 - 43 x^3 - 43 x^2 - 43 x + 1}$$

Sequence: A163232
Score: 3.4545
Type of gen. func.: ogf

$$-(45 + 47 f(x)) (990 f(x) x^4 - 44 f(x) x^3 - x^4 - 44 f(x) x^2 - 2 x^3 - 44 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A163232
Score: 5.98780
Type of gen. func.: ogf

$$\frac{(x^2 + 1)(x + 1)^2}{990 x^4 - 44 x^3 - 44 x^2 - 44 x + 1}$$

Sequence: A163250
Score: 18.5061
Type of gen. func.: lgdogf

$$- \frac{4 x^3 + 7 x^2 - 5}{(x - 1)(x + 1)(x^2 + x - 1)}$$

Sequence: A163250
Score: 9.46555
Type of gen. func.: ogf

$$\frac{x^2 (x + 1)}{(x^2 + x - 1)(x - 1)^3}$$

Sequence: A163265
Score: 3.47679
Type of gen. func.: ogf

$$(-46 + 1033 f(x)) (1035 f(x) x^4 - 45 f(x) x^3 - x^4 - 45 f(x) x^2 - 2 x^3$$
$$- 45 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A163265
Score: 5.92200
Type of gen. func.: ogf

$$\frac{(x^2 + 1)(x + 1)^2}{{}^{4} \qquad {}^{3} \qquad {}^{2}}$$

$$1035 x - 45 x - 45 x - 45 x + 1$$

Sequence: A163266
Score: 3.50149
Type of gen. func.: ogf

$$-(47 + 49 f(x)) (1081 f(x) x^4 - 46 f(x) x^3 - x^4 - 46 f(x) x^2 - 2 x^3 - 46 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A163266
Score: 6.04103
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^2}{1081 x^4 - 46 x^3 - 46 x^2 - 46 x + 1}$$

Sequence: A163271
Score: 12.9793
Type of gen. func.: ogf

$$-f(x) x^2 - 2 f(x) x + f(x) - 2 x$$

Sequence: A163271
Score: 20.6968
Type of gen. func.: ogf

$$-\frac{2 x}{x^2 + 2 x - 1}$$

Sequence: A163271
Score: 26.9813
Type of gen. func.: revogf

$$\frac{-1 - x + (2 x^2 + 2 x + 1)^{1/2}}{x}$$

Sequence: A163271
Score: 37.7739
Type of gen. func.: lgdogf

$$-\frac{2 (x + 1)}{x^2 + 2 x - 1}$$

Sequence: A163271
Score: 9.45407
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + a(n), a(0) = 0, a(1) = 2\}$$

Sequence: A163274
Score: 10.5092
Type of gen. func.: lgdogf

$$-\frac{12 (x^4 + 19 x^3 + 52 x^2 + 30 x + 3)}{(x - 1) (4 x^4 + 53 x^3 + 93 x^2 + 29 x + 1)}$$

Sequence: A163274
Score: 5.68113
Type of gen. func.: ogf

$$-\frac{2 x (4 x^4 + 53 x^3 + 93 x^2 + 29 x + 1)}{(x - 1)^7}$$

Sequence: A163275
Score: 4.23740
Type of gen. func.: ogf

$$\frac{2 x (8 x^5 + 179 x^4 + 584 x^3 + 424 x^2 + 64 x + 1)}{(x - 1)^8}$$

Sequence: A163275

Score: 6.90404

Type of gen. func.: lgdogf

$$-\frac{12\,(2\,x^5+63\,x^4+303\,x^3+358\,x^2+108\,x+6)}{(x-1)\,(8\,x^5+179\,x^4+584\,x^3+424\,x^2+64\,x+1)}$$

Sequence: A163276

Score: 3.77005

Type of gen. func.: ogf

$$-\frac{2\,x\,(16\,x^6+585\,x^5+3231\,x^4+4456\,x^3+1656\,x^2+135\,x+1)}{(x-1)^9}$$

Sequence: A163276

Score: 5.52179

Type of gen. func.: lgdogf

$$-\frac{12\,(4\,x^6+203\,x^5+1590\,x^4+3305\,x^3+2080\,x^2+366\,x+12)}{(x-1)\,(16\,x^6+585\,x^5+3231\,x^4+4456\,x^3+1656\,x^2+135\,x+1)}$$

Sequence: A163279

Score: 5.41460

Type of gen. func.: ogf

$$\frac{x^5-17\,x^4-95\,x^3-187\,x^2-58\,x-4}{(x-1)^7}$$

Sequence: A163279

Score: 8.15921

Type of gen. func.: lgdogf

$$2\,(x^5-23\,x^4-224\,x^3-610\,x^2-361\,x-43)$$

$$- \frac{}{(x - 1) (x^5 - 17 x^4 - 95 x^3 - 187 x^2 - 58 x - 4)}$$

Sequence: A163287
Score: 3.5697
Type of gen. func.: ogf

$$(-24 + 563 f(x)) (1128 f(x) x^4 - 47 f(x) x^3 - x^4 - 47 f(x) x^2 - 2 x^3 - 47 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A163287
Score: 6.04103
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^2}{1128 x^4 - 47 x^3 - 47 x^2 - 47 x + 1}$$

Sequence: A163290
Score: 3.50149
Type of gen. func.: ogf

$$-(49 + 51 f(x)) (1176 f(x) x^4 - 48 f(x) x^3 - x^4 - 48 f(x) x^2 - 2 x^3 - 48 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A163290
Score: 6.04103
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^2}{1176 x^4 - 48 x^3 - 48 x^2 - 48 x + 1}$$

Sequence: A163300
Score: 10.4988
Type of gen. func.: ogf

$$-f(x) (f(x) x^2 - 2 f(x) x + 2 x^2 + f(x) - 4 x)$$

Sequence: A163300
Score: 18.2121
Type of gen. func.: ogf

$$-\frac{2 x (x - 2)}{(x - 1)^2}$$

Sequence: A163300
Score: 25.1379
Type of gen. func.: revogf

$$\frac{2 x}{(4 + 2 x)^{1/2} (2 + (4 + 2 x)^{1/2})}$$

Sequence: A163300
Score: 48.8792
Type of gen. func.: lgdogf

$$-\frac{-3 + x}{(x - 1) (x - 2)}$$

Sequence: A163300
Score: 8.83559
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n + 1), a(0) = 0, a(1) = 4, a(2) = 6\}$$

Sequence: A163302
Score: 11.8232
Type of gen. func.: ogf

$$4 f(x) x^2 + 2 f(x) x - f(x) + 4 x + 1$$

Sequence: A163302
Score: 16.5524
Type of gen. func.: ogf

$$-\frac{1 + 4 x}{4 x^2 + 2 x - 1}$$

Sequence: A163302
Score: 18.2919
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (20 x^2 + 20 x + 1)^{1/2}}{8 (x + 1)}$$

Sequence: A163302
Score: 19.2546
Type of gen. func.: lgdogf

$$-\frac{2 (8 x^2 + 4 x + 3)}{(1 + 4 x) (4 x^2 + 2 x - 1)}$$

Sequence: A163302
Score: 9.08366
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A163303
Score: 12.3905
Type of gen. func.: lgdogf

$$-\frac{2 (69 x^3 + 4 x^2 - 14 x - 71)}{(x - 1) (138 x^3 - 203 x^2 + 126 x - 67)}$$

Sequence: A163303
Score: 4.54495
Type of gen. func.: ogf

$$(97849998 f(x) + 54333876240523) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 138 x^3 - 4 f(x) x - 203 x^2 + f(x) + 126 x - 67)$$

Sequence: A163303
Score: 8.87348
Type of gen. func.: ogf

$$-\frac{138 x^3 - 203 x^2 + 126 x - 67}{(x - 1)^4}$$

Sequence: A163304
Score: 7.33778
Type of gen. func.: ogf

$$-\frac{383 x^4 - 6093 x^3 + 6027 x^2 - 1151 x + 858}{(x - 1)^5}$$

Sequence: A163304
Score: 9.49847
Type of gen. func.: lgdogf

$$-\frac{161 x^4 - 3618 x^3 - 66 x^2 + 2550 x + 1013}{(x - 1) (161 x^4 - 2131 x^3 + 2109 x^2 - 417 x + 286)}$$

Sequence: A163305
Score: 10.6932
Type of gen. func.: ogf

$$4 f(x) x^2 + 2 f(x) x - f(x) + 5 x$$

Sequence: A163305
Score: 14.7915
Type of gen. func.: revogf

$$\frac{-5 - 2 x + (4 x^{2} + 4 x + 5)^{1/2} 5^{1/2}}{8 x}$$

Sequence: A163305
Score: 17.0514
Type of gen. func.: ogf

$$- \frac{5 x}{4 x^{2} + 2 x - 1}$$

Sequence: A163305
Score: 25.8852
Type of gen. func.: lgdogf

$$- \frac{2 (1 + 4 x)}{4 x^{2} + 2 x - 1}$$

Sequence: A163305
Score: 7.78889
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 5\}$$

Sequence: A163306
Score: 13.0665
Type of gen. func.: ogf

$$- \frac{5 x - 1}{31 x^{2} - 12 x + 1}$$

Sequence: A163306
Score: 13.6850
Type of gen. func.: revogf

$$-\frac{-1 - 12 x + (20 x^2 + 4 x + 1)^{1/2}}{2 (5 + 31 x)}$$

Sequence: A163306
Score: 14.6864
Type of gen. func.: lgdogf

$$-\frac{155 x^2 - 62 x + 7}{(5 x - 1) (31 x^2 - 12 x + 1)}$$

Sequence: A163306
Score: 6.6035
Type of gen. func.: ogf

$$-(22 f(x) + 27) (31 f(x) x^2 - 12 f(x) x + f(x) + 5 x - 1)$$

Sequence: A163306
Score: 7.31101
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 31 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A163307
Score: 12.1536
Type of gen. func.: ogf

$$-\frac{6 x - 1}{44 x^2 - 14 x + 1}$$

Sequence: A163307
Score: 12.7146
Type of gen. func.: revogf

$$-\frac{-1 - 14 x + (20 x^2 + 4 x + 1)^{1/2}}{}$$

$$4 (3 + 22 x)$$

Sequence: A163307
Score: 13.3201
Type of gen. func.: lgdogf

$$- \frac{8 (33 x^2 - 11 x + 1)}{(6 x - 1) (44 x^2 - 14 x + 1)}$$

Sequence: A163307
Score: 6.01285
Type of gen. func.: ogf

$$-(113 f(x) + 143) (44 f(x) x^2 - 14 f(x) x + f(x) + 6 x - 1)$$

Sequence: A163307
Score: 6.80025
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1) + 44 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A163308
Score: 11.0080
Type of gen. func.: ogf

$$- \frac{7 x - 1}{59 x^2 - 16 x + 1}$$

Sequence: A163308
Score: 11.4958
Type of gen. func.: revogf

$$- \frac{-16 x - 1 + (20 x^2 + 4 x + 1)^{1/2}}{2 (7 + 59 x)}$$

Sequence: A163308
Score: 12.0432
Type of gen. func.: lgdogf

$$-\frac{413 x^2 - 118 x + 9}{(7 x - 1) (59 x^2 - 16 x + 1)}$$

Sequence: A163308
Score: 5.56319
Type of gen. func.: ogf

$$-(26 f(x) + 55) (59 f(x) x^2 - 16 f(x) x + f(x) + 7 x - 1)$$

Sequence: A163308
Score: 6.15924
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1) + 59 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A163309
Score: 11.8075
Type of gen. func.: ogf

$$-\frac{8 x - 1}{76 x^2 - 18 x + 1}$$

Sequence: A163309
Score: 12.3498
Type of gen. func.: revogf

$$-\frac{-1 - 18 x + (20 x^2 + 4 x + 1)^{1/2}}{8 (2 + 19 x)}$$

Sequence: A163309
Score: 12.6370
Type of gen. func.: lgdogf

$$-\frac{2\,(304\,x^2 - 76\,x + 5)}{(8\,x - 1)\,(76\,x^2 - 18\,x + 1)}$$

Sequence: A163309
Score: 6.03208
Type of gen. func.: ogf

$$-(7\,f(x) + 18)\,(76\,f(x)\,x^2 - 18\,f(x)\,x + f(x) + 8\,x - 1)$$

Sequence: A163309
Score: 6.52884
Type of gen. func.: ogf

$$\{a(n + 2) - 18\,a(n + 1) + 76\,a(n),\ a(0) = 1,\ a(1) = 10\}$$

Sequence: A163310
Score: 12.0535
Type of gen. func.: ogf

$$-\frac{9\,x - 1}{95\,x^2 - 20\,x + 1}$$

Sequence: A163310
Score: 12.6125
Type of gen. func.: revogf

$$-\frac{-1 - 20\,x + (20\,x^2 + 4\,x + 1)^{1/2}}{2\,(9 + 95\,x)}$$

Sequence: A163310
Score: 12.9058
Type of gen. func.: lgdogf

$$-\frac{855\,x^2 - 190\,x + 11}{\qquad 2}$$

$$(9 x - 1) (95 x - 20 x + 1)$$

Sequence: A163310
Score: 6.09154
Type of gen. func.: ogf

$$-(30 f(x) + 91) (95 f(x) x^{2} - 20 f(x) x + f(x) + 9 x - 1)$$

Sequence: A163310
Score: 6.66486
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1) + 95 a(n), a(0) = 1, a(1) = 11\}$$

Sequence: A163314
Score: 5.88437
Type of gen. func.: ogf

$$f(x) x^{4} - 2 f(x) x^{3} - x^{4} + f(x) x^{2} - x^{3} - 2 f(x) x - x^{2} + f(x) - x - 1$$

Sequence: A163314
Score: 8.51504
Type of gen. func.: ogf

$$\frac{x^{4} + x^{3} + x^{2} + x + 1}{x^{4} - 2 x^{3} + x^{2} - 2 x + 1}$$

Sequence: A163315
Score: 6.41943
Type of gen. func.: ogf

$$\frac{(x + 1) (x^{4} + x^{3} + x^{2} + x + 1)}{3 x^{5} - 2 x^{4} - 2 x^{3} - 2 x^{2} - 2 x + 1}$$

Sequence: A163316
Score: 6.51343
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + x^3 + x^2 + x + 1)}{6 x^5 - 3 x^4 - 3 x^3 - 3 x^2 - 3 x + 1}$$

Sequence: A163317
Score: 6.03056
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + x^3 + x^2 + x + 1)}{10 x^5 - 4 x^4 - 4 x^3 - 4 x^2 - 4 x + 1}$$

Sequence: A163322
Score: 10.0726
Type of gen. func.: ogf

$$- \frac{4 x (x^2 - 14 x + 1)}{(x - 1)^4}$$

Sequence: A163322
Score: 21.0916
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 - 20 x - 5)}{(x - 1) (x^2 - 14 x + 1)}$$

Sequence: A163322
Score: 3.68996
Type of gen. func.: ogf

$$\{(-3 - n) a(n + 4) + (20 + 15 n) a(n + 3) + (-55 - 15 n) a(n + 2)$$

$$+ (n + 2) a(n + 1), a(0) = 0, a(1) = -4, a(2) = 40, a(3) = 180\}$$

Sequence: A163322
Score: 5.32409
Type of gen. func.: ogf

$$(750 f(x) + 17093)$$

$$(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} + 4 x^{3} - 4 f(x) x - 56 x^{2} + f(x) + 4 x)$$

Sequence: A163323
Score: 10.6222
Type of gen. func.: lgdogf

$$- \frac{5 x^{4} - 68 x^{3} - 354 x^{2} - 68 x + 5}{(x - 1) (5 x^{4} - 44 x^{3} - 74 x^{2} + 20 x - 3)}$$

Sequence: A163323
Score: 6.86909
Type of gen. func.: ogf

$$\frac{4 (5 x^{4} - 44 x^{3} - 74 x^{2} + 20 x - 3)}{(x - 1)^{5}}$$

Sequence: A163345
Score: 5.93979
Type of gen. func.: ogf

$$\frac{(x + 1) (x^{4} + x^{3} + x^{2} + x + 1)}{15 x^{5} - 5 x^{4} - 5 x^{3} - 5 x^{2} - 5 x + 1}$$

Sequence: A163346
Score: 12.7493
Type of gen. func.: revogf

$$- \frac{-1 - 10 x + (8 x^{2} + 8 x + 1)^{1/2}}{2 (3 + 23 x)}$$

Sequence: A163346
Score: 13.3712
Type of gen. func.: lgdogf

$$-\frac{69 x^{2} - 46 x + 7}{(-1 + 3 x) (23 x^{2} - 10 x + 1)}$$

Sequence: A163346
Score: 14.7318
Type of gen. func.: ogf

$$-\frac{-1 + 3 x}{23 x^{2} - 10 x + 1}$$

Sequence: A163346
Score: 7.7797
Type of gen. func.: ogf

$$(24 f(x) + 25) (23 f(x) x^{2} - 10 f(x) x + f(x) + 3 x - 1)$$

Sequence: A163346
Score: 8.24277
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 23 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A163347
Score: 5.72713
Type of gen. func.: ogf

$$\frac{(x + 1) (x^{4} + x^{3} + x^{2} + x + 1)}{21 x^{5} - 6 x^{4} - 6 x^{3} - 6 x^{2} - 6 x + 1}$$

Sequence: A163348
Score: 13.1198
Type of gen. func.: ogf

$$\frac{x + 1}{7 x^2 - 6 x + 1}$$

Sequence: A163348
Score: 13.4424
Type of gen. func.: revogf

$$- \frac{-1 - 6 x + (8 x^2 + 16 x + 1)^{1/2}}{2 (7 x - 1)}$$

Sequence: A163348
Score: 16.5150
Type of gen. func.: lgdogf

$$- \frac{7 (x^2 + 2 x - 1)}{(x + 1) (7 x^2 - 6 x + 1)}$$

Sequence: A163348
Score: 6.78608
Type of gen. func.: ogf

$$(18 f(x) + 31) (7 f(x) x^2 - 6 f(x) x + f(x) - x - 1)$$

Sequence: A163348
Score: 7.19987
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 7 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A163349
Score: 12.1741
Type of gen. func.: ogf

$$-\frac{x-1}{23x^2-10x+1}$$

Sequence: A163349
Score: 12.7319
Type of gen. func.: revogf

$$-\frac{-1-10x+(8x^2+16x+1)^{1/2}}{2(1+23x)}$$

Sequence: A163349
Score: 14.7421
Type of gen. func.: lgdogf

$$-\frac{23x^2-46x+9}{(x-1)(23x^2-10x+1)}$$

Sequence: A163349
Score: 6.42904
Type of gen. func.: ogf

$$(44f(x)+37)(23f(x)x^2-10f(x)x+f(x)+x-1)$$

Sequence: A163349
Score: 6.81171
Type of gen. func.: ogf

$$\{-a(n+2)+10a(n+1)-23a(n), a(0)=1, a(1)=9\}$$

Sequence: A163350
Score: 12.6414
Type of gen. func.: ogf

$$-\frac{2x-1}{14x^2-8x+1}$$

Sequence: A163350
Score: 13.8860
Type of gen. func.: revogf

$$-\frac{-1 - 8 x + (8 x^2 + 8 x + 1)^{1/2}}{4 (1 + 7 x)}$$

Sequence: A163350
Score: 13.8860
Type of gen. func.: lgdogf

$$-\frac{2 (14 x^2 - 14 x + 3)}{(2 x - 1) (14 x^2 - 8 x + 1)}$$

Sequence: A163350
Score: 6.46115
Type of gen. func.: ogf

$$(163 f(x) + 161) (14 f(x) x^2 - 8 f(x) x + f(x) + 2 x - 1)$$

Sequence: A163350
Score: 7.00606
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 14 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A163383
Score: 11.3163
Type of gen. func.: ogf

$$\frac{8 x^2 - 8 x + 1}{(x - 1) (2 x - 1)^2}$$

Sequence: A163383
Score: 13.6039
Type of gen. func.: lgdogf

$$-\frac{16 x^3 - 24 x^2 + 6 x + 3}{(x - 1) (2 x - 1) (8 x^2 - 8 x + 1)}$$

Sequence: A163383
Score: 5.95082
Type of gen. func.: ogf

$$-(5 f(x) - 58) (4 f(x) x^3 - 8 f(x) x^2 + 5 f(x) x - 8 x^2 - f(x) + 8 x - 1)$$

Sequence: A163383
Score: 6.10881
Type of gen. func.: ogf

{-a(n + 3) + 5 a(n + 2) - 8 a(n + 1) + 4 a(n), a(0) = -1, a(1) = 3, a(2) = 15}

Sequence: A163391
Score: 6.02083
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + x^3 + x^2 + x + 1)}{28 x^5 - 7 x^4 - 7 x^3 - 7 x^2 - 7 x + 1}$$

Sequence: A163397
Score: 5.62908
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + x^3 + x^2 + x + 1)}{36 x^5 - 8 x^4 - 8 x^3 - 8 x^2 - 8 x + 1}$$

Sequence: A163403
Score: 12.2827
Type of gen. func.: ogf

$$\{a(n+2) - 2\,a(n),\ a(0) = 1,\ a(1) = 2\}$$

Sequence: A163403
Score: 12.4776
Type of gen. func.: ogf

$$-f(x)\,(2\,f(x)\,x^2 - f(x) + 2\,x + 1)$$

Sequence: A163403
Score: 19.1730
Type of gen. func.: ogf

$$-\frac{2\,x + 1}{2\,x^2 - 1}$$

Sequence: A163403
Score: 22.6778
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^2 + 2\,x + 1)}{(2\,x + 1)\,(2\,x^2 - 1)}$$

Sequence: A163403
Score: 22.6778
Type of gen. func.: revogf

$$\frac{-1 + (8\,x^2 + 8\,x + 1)^{1/2}}{4\,(x + 1)}$$

Sequence: A163404
Score: 5.44070
Type of gen. func.: ogf

$$\frac{(x + 1)\,(x^4 + x^3 + x^2 + x + 1)}{}$$

$$45 x^5 - 9 x^4 - 9 x^3 - 9 x^2 - 9 x + 1$$

Sequence: A163412
Score: 12.9390
Type of gen. func.: ogf

$$- \frac{2 x - 1}{34 x^2 - 12 x + 1}$$

Sequence: A163412
Score: 13.5489
Type of gen. func.: revogf

$$- \frac{-1 - 12 x + (8 x^2 + 16 x + 1)^{1/2}}{4 (1 + 17 x)}$$

Sequence: A163412
Score: 14.1941
Type of gen. func.: lgdogf

$$- \frac{2 (34 x^2 - 34 x + 5)}{(2 x - 1) (34 x^2 - 12 x + 1)}$$

Sequence: A163412
Score: 6.61015
Type of gen. func.: ogf

$$(999 f(x) + 1501) (34 f(x) x^2 - 12 f(x) x + f(x) + 2 x - 1)$$

Sequence: A163412
Score: 7.15451
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 34 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A163413
Score: 12.2163
Type of gen. func.: ogf

$$-\frac{-1 + 3 x}{47 x^{2} - 14 x + 1}$$

Sequence: A163413
Score: 12.7815
Type of gen. func.: revogf

$$-\frac{-1 - 14 x + (8 x^{2} + 16 x + 1)^{1/2}}{2 (3 + 47 x)}$$

Sequence: A163413
Score: 13.0788
Type of gen. func.: lgdogf

$$-\frac{141 x^{2} - 94 x + 11}{(-1 + 3 x) (47 x^{2} - 14 x + 1)}$$

Sequence: A163413
Score: 6.4513
Type of gen. func.: ogf

$$(60 f(x) + 61) (47 f(x) x^{2} - 14 f(x) x + f(x) + 3 x - 1)$$

Sequence: A163413
Score: 6.75489
Type of gen. func.: ogf

$$\{-a(n + 2) + 14 a(n + 1) - 47 a(n), a(0) = 1, a(1) = 11\}$$

Sequence: A163414
Score: 12.7801
Type of gen. func.: ogf

$$-\frac{4x-1}{62x^2-16x+1}$$

Sequence: A163414
Score: 13.3838
Type of gen. func.: revogf

$$-\frac{-16x-1+(8x^2+16x+1)^{1/2}}{4(2+31x)}$$

Sequence: A163414
Score: 13.6951
Type of gen. func.: lgdogf

$$-\frac{4(62x^2-31x+3)}{(4x-1)(62x^2-16x+1)}$$

Sequence: A163414
Score: 6.74905
Type of gen. func.: ogf

$$(17 f(x) + 19) (62 f(x) x^2 - 16 f(x) x + f(x) + 4 x - 1)$$

Sequence: A163414
Score: 7.06666
Type of gen. func.: ogf

$$\{-a(n + 2) + 16 a(n + 1) - 62 a(n), a(0) = 1, a(1) = 12\}$$

Sequence: A163415
Score: 11.8075
Type of gen. func.: ogf

$$-\frac{5x-1}{\quad{}^2}$$

$$79 x - 18 x + 1$$

Sequence: A163415
Score: 12.3498
Type of gen. func.: revogf

$$- \frac{-1 - 18 x + (8 x^2 + 16 x + 1)^{1/2}}{2 (5 + 79 x)}$$

Sequence: A163415
Score: 12.6370
Type of gen. func.: lgdogf

$$- \frac{395 x^2 - 158 x + 13}{(5 x - 1) (79 x^2 - 18 x + 1)}$$

Sequence: A163415
Score: 6.23541
Type of gen. func.: ogf

$$(76 f(x) + 93) (79 f(x) x^2 - 18 f(x) x + f(x) + 5 x - 1)$$

Sequence: A163415
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 18 a(n + 1) - 79 a(n), a(0) = 1, a(1) = 13\}$$

Sequence: A163416
Score: 11.1397
Type of gen. func.: revogf

$$- \frac{-1 - 20 x + (8 x^2 + 16 x + 1)^{1/2}}{4 (3 + 49 x)}$$

Sequence: A163416
Score: 11.3987
Type of gen. func.: lgdogf

$$-\frac{14\,(42\,x^2 - 14\,x + 1)}{(6\,x - 1)\,(98\,x^2 - 20\,x + 1)}$$

Sequence: A163416
Score: 17.0364
Type of gen. func.: ogf

$$-\frac{6\,x - 1}{98\,x^2 - 20\,x + 1}$$

Sequence: A163416
Score: 8.89677
Type of gen. func.: ogf

$$(71\,f(x) + 125)\,(98\,f(x)\,x^2 - 20\,f(x)\,x + f(x) + 6\,x - 1)$$

Sequence: A163416
Score: 9.42011
Type of gen. func.: ogf

$$\{-a(n + 2) + 20\,a(n + 1) - 98\,a(n),\ a(0) = 1,\ a(1) = 14\}$$

Sequence: A163417
Score: 10.5813
Type of gen. func.: lgdogf

$$-\frac{x\,(2\,x^5 - 12\,x^4 - 7\,x^3 + 20\,x^2 - 4\,x - 2)}{(x - 1)\,(2\,x^2 - 1)\,(x^4 - 4\,x^3 + 3\,x - 1)}$$

Sequence: A163417
Score: 8.44274
Type of gen. func.: ogf

$$-\frac{x^4 - 4x^3 + 3x - 1}{(2x^2 - 1)(x - 1)^3}$$

Sequence: A163432
Score: 5.23539
Type of gen. func.: ogf

$$\frac{(x + 1)(x^4 + x^3 + x^2 + x + 1)}{55x^5 - 10x^4 - 10x^3 - 10x^2 - 10x + 1}$$

Sequence: A163433
Score: 12.1698
Type of gen. func.: ogf

$$\frac{2x(x^2 - 5x - 2)}{(x - 1)^3}$$

Sequence: A163433
Score: 24.7433
Type of gen. func.: lgdogf

$$-\frac{x^2 - 8x - 11}{(x - 1)(x^2 - 5x - 2)}$$

Sequence: A163433
Score: 6.03914
Type of gen. func.: ogf

$\{a(n + 4) - 3a(n + 3) + 3a(n + 2) - a(n + 1), a(0) = 0, a(1) = 4, a(2) = 22,$

$a(3) = 52\}$

Sequence: A163433

Score: 6.42565
Type of gen. func.: ogf

$$-(146 f(x) - 1035) (f(x) x^3 - 3 f(x) x^2 - 2 x^3 + 3 f(x) x + 10 x^2 - f(x) + 4 x)$$

Sequence: A163434
Score: 10.4605
Type of gen. func.: lgdogf

$$-\frac{2 (x^4 - 5 x^3 + 114 x^2 + 215 x + 35)}{(x - 1) (2 x^4 - 9 x^3 + 85 x^2 + 65 x + 1)}$$

Sequence: A163434
Score: 6.83398
Type of gen. func.: ogf

$$-\frac{x (2 x^4 - 9 x^3 + 85 x^2 + 65 x + 1)}{(x - 1)^5}$$

Sequence: A163435
Score: 4.78167
Type of gen. func.: ogf

$$\frac{2 x^2 (x^5 - 7 x^4 - 30 x^3 - 574 x^2 - 539 x - 51)}{(x - 1)^7}$$

Sequence: A163435
Score: 7.83495
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 - 8 x^4 - 74 x^3 - 1480 x^2 - 2191 x - 448)}{(x - 1) (x^5 - 7 x^4 - 30 x^3 - 574 x^2 - 539 x - 51)}$$

Sequence: A163438
Score: 4.73092
Type of gen. func.: ogf

$$\frac{(x+1)(x^4+x^3+x^2+x+1)}{66x^5-11x^4-11x^3-11x^2-11x+1}$$

Sequence: A163439
Score: 4.83784
Type of gen. func.: ogf

$$\frac{(x+1)(x^4+x^3+x^2+x+1)}{78x^5-12x^4-12x^3-12x^2-12x+1}$$

Sequence: A163440
Score: 4.97148
Type of gen. func.: ogf

$$\frac{(x+1)(x^4+x^3+x^2+x+1)}{91x^5-13x^4-13x^3-13x^2-13x+1}$$

Sequence: A163441
Score: 5.00446
Type of gen. func.: ogf

$$\frac{(x+1)(x^4+x^3+x^2+x+1)}{105x^5-14x^4-14x^3-14x^2-14x+1}$$

Sequence: A163444
Score: 12.7478
Type of gen. func.: ogf

$$-\frac{4x-1}{34x^2-12x+1}$$

Sequence: A163444
Score: 13.6550
Type of gen. func.: revogf

$$-\frac{-1 - 12 x + (8 x^2 + 8 x + 1)^{1/2}}{4 (2 + 17 x)}$$

Sequence: A163444
Score: 13.6550
Type of gen. func.: lgdogf

$$-\frac{4 (34 x^2 - 17 x + 2)}{(4 x - 1) (34 x^2 - 12 x + 1)}$$

Sequence: A163444
Score: 6.88674
Type of gen. func.: ogf

$$(7 f(x) + 9) (34 f(x) x^2 - 12 f(x) x + f(x) + 4 x - 1)$$

Sequence: A163444
Score: 7.13269
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 34 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A163445
Score: 13.3214
Type of gen. func.: ogf

$$-\frac{5 x - 1}{47 x^2 - 14 x + 1}$$

Sequence: A163445
Score: 14.2820

Type of gen. func.: revogf

$$-\frac{-1 - 14 x + (8 x^2 + 8 x + 1)^{1/2}}{2 (5 + 47 x)}$$

Sequence: A163445
Score: 14.9787
Type of gen. func.: lgdogf

$$-\frac{235 x^2 - 94 x + 9}{(5 x - 1) (47 x^2 - 14 x + 1)}$$

Sequence: A163445
Score: 7.03492
Type of gen. func.: ogf

$$(32 f(x) + 49) (47 f(x) x^2 - 14 f(x) x + f(x) + 5 x - 1)$$

Sequence: A163445
Score: 7.45367
Type of gen. func.: ogf

$$\{-a(n + 2) + 14 a(n + 1) - 47 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A163446
Score: 12.2163
Type of gen. func.: ogf

$$-\frac{6 x - 1}{62 x^2 - 16 x + 1}$$

Sequence: A163446
Score: 13.0788
Type of gen. func.: revogf

$$-16 x - 1 + (8 x^2 + 8 x + 1)^{1/2}$$

$$- \frac{}{4 (3 + 31 x)}$$

Sequence: A163446
Score: 13.0788
Type of gen. func.: lgdogf

$$- \frac{2 (186 x^2 - 62 x + 5)}{(6 x - 1) (62 x^2 - 16 x + 1)}$$

Sequence: A163446
Score: 6.52461
Type of gen. func.: ogf

$$(9 f(x) + 16) (62 f(x) x^2 - 16 f(x) x + f(x) + 6 x - 1)$$

Sequence: A163446
Score: 6.75489
Type of gen. func.: ogf

$$\{-a(n + 2) + 16 a(n + 1) - 62 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A163447
Score: 11.8075
Type of gen. func.: ogf

$$- \frac{7 x - 1}{79 x^2 - 18 x + 1}$$

Sequence: A163447
Score: 12.6370
Type of gen. func.: lgdogf

$$- \frac{553 x^2 - 158 x + 11}{(7 x - 1) (79 x^2 - 18 x + 1)}$$

Sequence: A163447
Score: 12.6370
Type of gen. func.: revogf

$$-\frac{-1 - 18 x + (8 x^2 + 8 x + 1)^{1/2}}{2 (7 + 79 x)}$$

Sequence: A163447
Score: 6.23541
Type of gen. func.: ogf

$$(40 f(x) + 81) (79 f(x) x^2 - 18 f(x) x + f(x) + 7 x - 1)$$

Sequence: A163447
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 18 a(n + 1) - 79 a(n), a(0) = 1, a(1) = 11\}$$

Sequence: A163448
Score: 11.9305
Type of gen. func.: ogf

$$-\frac{8 x - 1}{98 x^2 - 20 x + 1}$$

Sequence: A163448
Score: 12.7714
Type of gen. func.: revogf

$$-\frac{-1 - 20 x + (8 x^2 + 8 x + 1)^{1/2}}{4 (4 + 49 x)}$$

Sequence: A163448
Score: 12.7714
Type of gen. func.: lgdogf

$$-\frac{4\,(28\,x-3)\,(7\,x-1)}{(8\,x-1)\,(98\,x^2-20\,x+1)}$$

Sequence: A163448
Score: 6.30036
Type of gen. func.: ogf

$$(11\,f(x)+25)\,(98\,f(x)\,x^2-20\,f(x)\,x+f(x)+8\,x-1)$$

Sequence: A163448
Score: 6.59685
Type of gen. func.: ogf

$$\{-a(n+2)+20\,a(n+1)-98\,a(n),\ a(0)=1,\ a(1)=12\}$$

Sequence: A163449
Score: 10.1663
Type of gen. func.: ogf

$$\frac{800\,x^2-99\,x+1}{(100\,x-1)\,(10\,x-1)}$$

Sequence: A163449
Score: 10.8806
Type of gen. func.: lgdogf

$$\frac{11000\,x^2-400\,x+11}{(100\,x-1)\,(10\,x-1)\,(800\,x^2-99\,x+1)}$$

Sequence: A163449
Score: 5.58687
Type of gen. func.: ogf

$$\{a(n+3)-110\,a(n+2)+1000\,a(n+1),\ a(0)=1,\ a(1)=11,\ a(2)=1010\}$$

Sequence: A163449
Score: 5.68939
Type of gen. func.: ogf

$$-(-689 + 810 f(x)) (1000 f(x) x^2 - 110 f(x) x - 800 x^2 + f(x) + 99 x - 1)$$

Sequence: A163450
Score: 10.5562
Type of gen. func.: lgdogf

$$\frac{11000 x^2 - 400 x + 11}{(100 x - 1) (10 x - 1) (800 x^2 - 99 x + 1)}$$

Sequence: A163450
Score: 5.05635
Type of gen. func.: ogf

$$-(8991 f(x) - 825895) (1000 f(x) x^2 - 110 f(x) x - 80000 x^2 + f(x) + 9900 x - 100)$$

Sequence: A163450
Score: 5.14279
Type of gen. func.: ogf

$\{a(n + 3) - 110 a(n + 2) + 1000 a(n + 1), a(0) = 100, a(1) = 1100, a(2) = 101000\}$

Sequence: A163450
Score: 8.98069
Type of gen. func.: ogf

$$\frac{100 (800 x^2 - 99 x + 1)}{(100 x - 1) (10 x - 1)}$$

Sequence: A163451
Score: 5.13685
Type of gen. func.: ogf

$$\frac{(x+1)(x^4+x^3+x^2+x+1)}{120x^5-15x^4-15x^3-15x^2-15x+1}$$

Sequence: A163452
Score: 5.21628
Type of gen. func.: ogf

$$\frac{(x+1)(x^4+x^3+x^2+x+1)}{136x^5-16x^4-16x^3-16x^2-16x+1}$$

Sequence: A163453
Score: 4.63826
Type of gen. func.: ogf

$$\frac{(x+1)(x^4+x^3+x^2+x+1)}{153x^5-17x^4-17x^3-17x^2-17x+1}$$

Sequence: A163454
Score: 4.69008
Type of gen. func.: ogf

$$\frac{(x+1)(x^4+x^3+x^2+x+1)}{171x^5-18x^4-18x^3-18x^2-18x+1}$$

Sequence: A163455
Score: 21.5570
Type of gen. func.: revogf

$$\frac{256x(x+1)^4}{(5x+4)^5}$$

Sequence: A163456
Score: 25.4628
Type of gen. func.: revogf

$$\frac{x (1 + 4 x)^4}{(1 + 5 x)^5}$$

Sequence: A163458
Score: 12.5566
Type of gen. func.: ogf

$$-\frac{5 x - 1}{34 x^2 - 12 x + 1}$$

Sequence: A163458
Score: 13.4460
Type of gen. func.: revogf

$$-\frac{-1 - 12 x + (8 x^2 + 4 x + 1)^{1/2}}{2 (5 + 34 x)}$$

Sequence: A163458
Score: 14.1019
Type of gen. func.: lgdogf

$$-\frac{170 x^2 - 68 x + 7}{(5 x - 1) (34 x^2 - 12 x + 1)}$$

Sequence: A163458
Score: 6.3458
Type of gen. func.: ogf

$$-(16 f(x) + 33) (34 f(x) x^2 - 12 f(x) x + f(x) + 5 x - 1)$$

Sequence: A163458
Score: 7.02570
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 34 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A163459
Score: 13.1940
Type of gen. func.: ogf

$$-\frac{6 x - 1}{47 x^2 - 14 x + 1}$$

Sequence: A163459
Score: 14.1426
Type of gen. func.: revogf

$$-\frac{-1 - 14 x + (8 x^2 + 4 x + 1)^{1/2}}{2 (6 + 47 x)}$$

Sequence: A163459
Score: 14.1426
Type of gen. func.: lgdogf

$$-\frac{2 (141 x^2 - 47 x + 4)}{(6 x - 1) (47 x^2 - 14 x + 1)}$$

Sequence: A163459
Score: 6.7404
Type of gen. func.: ogf

$$-(9 f(x) + 23) (47 f(x) x^2 - 14 f(x) x + f(x) + 6 x - 1)$$

Sequence: A163459
Score: 7.38233

Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1) + 47 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A163460
Score: 12.1536
Type of gen. func.: ogf

$$-\frac{7 x - 1}{62 x^2 - 16 x + 1}$$

Sequence: A163460
Score: 13.0103
Type of gen. func.: revogf

$$-\frac{-16 x - 1 + (8 x^2 + 4 x + 1)^{1/2}}{2 (7 + 62 x)}$$

Sequence: A163460
Score: 13.3201
Type of gen. func.: lgdogf

$$-\frac{434 x^2 - 124 x + 9}{(7 x - 1) (62 x^2 - 16 x + 1)}$$

Sequence: A163460
Score: 6.14216
Type of gen. func.: ogf

$$-(20 f(x) + 61) (62 f(x) x^2 - 16 f(x) x + f(x) + 7 x - 1)$$

Sequence: A163460
Score: 6.80025
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1) + 62 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A163461
Score: 11.8075
Type of gen. func.: ogf

$$-\frac{8x-1}{79x^2-18x+1}$$

Sequence: A163461
Score: 12.6370
Type of gen. func.: revogf

$$-\frac{-1-18x+(8x^2+4x+1)^{1/2}}{2(8+79x)}$$

Sequence: A163461
Score: 12.6370
Type of gen. func.: lgdogf

$$-\frac{2(316x^2-79x+5)}{(8x-1)(79x^2-18x+1)}$$

Sequence: A163461
Score: 5.96722
Type of gen. func.: ogf

$$-(11f(x)+39)(79f(x)x^2-18f(x)x+f(x)+8x-1)$$

Sequence: A163461
Score: 6.52884
Type of gen. func.: ogf

$$\{a(n+2)-18a(n+1)+79a(n),\ a(0)=1,\ a(1)=10\}$$

Sequence: A163462

Score: 11.8075
Type of gen. func.: ogf

$$-\frac{9x-1}{98x^2-20x+1}$$

Sequence: A163462
Score: 12.6370
Type of gen. func.: lgdogf

$$-\frac{882x^2-196x+11}{(9x-1)(98x^2-20x+1)}$$

Sequence: A163462
Score: 12.6370
Type of gen. func.: revogf

$$-\frac{-1-20x+(8x^2+4x+1)^{1/2}}{2(9+98x)}$$

Sequence: A163462
Score: 5.96722
Type of gen. func.: ogf

$$-(24f(x)+97)(98f(x)x^2-20f(x)x+f(x)+9x-1)$$

Sequence: A163462
Score: 6.52884
Type of gen. func.: ogf

$$\{a(n+2)-20a(n+1)+98a(n), a(0)=1, a(1)=11\}$$

Sequence: A163470
Score: 11.9829
Type of gen. func.: ogf

$$3(3x-1)$$

$$-\frac{}{13 x^2 - 8 x + 1}$$

Sequence: A163470
Score: 12.2553
Type of gen. func.: revogf

$$-\frac{-3 - 8 x + (12 x^2 + 12 x + 9)^{1/2}}{2 (9 + 13 x)}$$

Sequence: A163470
Score: 13.4808
Type of gen. func.: lgdogf

$$-\frac{39 x^2 - 26 x + 5}{(3 x - 1) (13 x^2 - 8 x + 1)}$$

Sequence: A163470
Score: 5.99146
Type of gen. func.: ogf

$$-(14 f(x) + 33) (13 f(x) x^2 - 8 f(x) x + f(x) + 9 x - 3)$$

Sequence: A163470
Score: 6.56207
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 13 a(n), a(0) = 3, a(1) = 15\}$$

Sequence: A163471
Score: 12.3574
Type of gen. func.: ogf

$$-\frac{3 (4 x - 1)}{22 x^2 - 10 x + 1}$$

Sequence: A163471
Score: 12.9149
Type of gen. func.: revogf

$$-\frac{-3 - 10 x + (12 x^2 + 12 x + 9)^{1/2}}{4 (6 + 11 x)}$$

Sequence: A163471
Score: 13.5156
Type of gen. func.: lgdogf

$$-\frac{2 (44 x^2 - 22 x + 3)}{(4 x - 1) (22 x^2 - 10 x + 1)}$$

Sequence: A163471
Score: 6.1787
Type of gen. func.: ogf

$$-(163 f(x) + 483) (22 f(x) x^2 - 10 f(x) x + f(x) + 12 x - 3)$$

Sequence: A163471
Score: 6.97829
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 22 a(n), a(0) = 3, a(1) = 18\}$$

Sequence: A163472
Score: 13.1063
Type of gen. func.: ogf

$$-\frac{3 (5 x - 1)}{33 x^2 - 12 x + 1}$$

Sequence: A163472
Score: 13.7138

Type of gen. func.: revogf

$$-\frac{-3 - 12 x + (12 x^2 + 12 x + 9)^{1/2}}{6 (5 + 11 x)}$$

Sequence: A163472
Score: 15.0517
Type of gen. func.: lgdogf

$$-\frac{165 x^2 - 66 x + 7}{(5 x - 1) (33 x^2 - 12 x + 1)}$$

Sequence: A163472
Score: 6.76456
Type of gen. func.: ogf

$$-(6 f(x) + 31) (33 f(x) x^2 - 12 f(x) x + f(x) + 15 x - 3)$$

Sequence: A163472
Score: 7.40121
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 33 a(n), a(0) = 3, a(1) = 21\}$$

Sequence: A163473
Score: 12.2685
Type of gen. func.: ogf

$$-\frac{3 (6 x - 1)}{46 x^2 - 14 x + 1}$$

Sequence: A163473
Score: 12.8247
Type of gen. func.: revogf

$$-3 - 14 x + (12 x^2 + 12 x + 9)^{1/2}$$

$$-\frac{}{4 (9 + 23 x)}$$

Sequence: A163473
Score: 13.7407
Type of gen. func.: lgdogf

$$-\frac{4 (69 x^2 - 23 x + 2)}{(6 x - 1) (46 x^2 - 14 x + 1)}$$

Sequence: A163473
Score: 6.33213
Type of gen. func.: ogf

$$-(5 f(x) + 33) (46 f(x) x^2 - 14 f(x) x + f(x) + 18 x - 3)$$

Sequence: A163473
Score: 6.92809
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1) + 46 a(n), a(0) = 3, a(1) = 24\}$$

Sequence: A163474
Score: 11.5615
Type of gen. func.: ogf

$$-\frac{3 (7 x - 1)}{61 x^2 - 16 x + 1}$$

Sequence: A163474
Score: 11.8128
Type of gen. func.: revogf

$$-\frac{-3 - 16 x + (12 x^2 + 12 x + 9)^{1/2}}{2 (21 + 61 x)}$$

Sequence: A163474
Score: 12.9378
Type of gen. func.: lgdogf

$$-\frac{427 x^2 - 122 x + 9}{(7 x - 1) (61 x^2 - 16 x + 1)}$$

Sequence: A163474
Score: 5.60557
Type of gen. func.: ogf

$$-(1948 f(x) + 13839) (61 f(x) x^2 - 16 f(x) x + f(x) + 21 x - 3)$$

Sequence: A163474
Score: 6.52884
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1) + 61 a(n), a(0) = 3, a(1) = 27\}$$

Sequence: A163475
Score: 11.5615
Type of gen. func.: ogf

$$-\frac{3 (8 x - 1)}{78 x^2 - 18 x + 1}$$

Sequence: A163475
Score: 11.8128
Type of gen. func.: revogf

$$-\frac{-3 - 18 x + (12 x^2 + 12 x + 9)^{1/2}}{12 (4 + 13 x)}$$

Sequence: A163475
Score: 12.6370
Type of gen. func.: lgdogf

$$-\frac{2\,(312\,x^2 - 78\,x + 5)}{(8\,x - 1)\,(78\,x^2 - 18\,x + 1)}$$

Sequence: A163475
Score: 5.72115
Type of gen. func.: ogf

$$-(217\,f(x) + 1849)\,(78\,f(x)\,x^2 - 18\,f(x)\,x + f(x) + 24\,x - 3)$$

Sequence: A163475
Score: 6.52884
Type of gen. func.: ogf

$$\{a(n + 2) - 18\,a(n + 1) + 78\,a(n),\ a(0) = 3,\ a(1) = 30\}$$

Sequence: A163476
Score: 10.6836
Type of gen. func.: ogf

$$-\frac{3\,(9\,x - 1)}{97\,x^2 - 20\,x + 1}$$

Sequence: A163476
Score: 10.9017
Type of gen. func.: revogf

$$-\frac{-3 - 20\,x + (12\,x^2 + 12\,x + 9)^{1/2}}{2\,(27 + 97\,x)}$$

Sequence: A163476
Score: 11.6623
Type of gen. func.: lgdogf

$$-\frac{873\,x^2 - 194\,x + 11}{}$$

$$(9 x - 1) (97 x^2 - 20 x + 1)$$

Sequence: A163476
Score: 5.39802
Type of gen. func.: ogf

$$-(26 f(x) + 285) (97 f(x) x^2 - 20 f(x) x + f(x) + 27 x - 3)$$

Sequence: A163476
Score: 6.03307
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1) + 97 a(n), a(0) = 3, a(1) = 33\}$$

Sequence: A163495
Score: 5.56516
Type of gen. func.: ogf

$$x (3 x^{13} + 3 x^{12} - 3 x^{10} - 4 x^9 - 3 x^8 - x^7 + x^6 + 2 x^5 + x^4 - x^3 - 2 x^2 - 2 x - 1) / (3 x^{15} - 1)$$

Sequence: A163503
Score: 4.76782
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + x^3 + x^2 + x + 1)}{190 x^5 - 19 x^4 - 19 x^3 - 19 x^2 - 19 x + 1}$$

Sequence: A163514
Score: 4.79373
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + x^3 + x^2 + x + 1)}{210 x^5 - 20 x^4 - 20 x^3 - 20 x^2 - 20 x + 1}$$

Sequence: A163518
Score: 4.92329
Type of gen. func.: ogf

$$\frac{(x+1)\,(x^4+x^3+x^2+x+1)}{231\,x^5-21\,x^4-21\,x^3-21\,x^2-21\,x+1}$$

Sequence: A163519
Score: 4.94921
Type of gen. func.: ogf

$$\frac{(x+1)\,(x^4+x^3+x^2+x+1)}{253\,x^5-22\,x^4-22\,x^3-22\,x^2-22\,x+1}$$

Sequence: A163522
Score: 11.1936
Type of gen. func.: lgdogf

$$\frac{18\,x^5+9\,x^4-36\,x^3-31\,x^2-14\,x-4}{(x-1)\,(x+1)\,(9\,x^4+9\,x^3+5\,x^2+4\,x+2)}$$

Sequence: A163522
Score: 13.0022
Type of gen. func.: ogf

$$-\frac{9\,x^4+9\,x^3+5\,x^2+4\,x+2}{(x-1)\,(x+1)}$$

Sequence: A163522
Score: 8.80358
Type of gen. func.: ogf

$$(1031\,f(x)-660)\,(9\,x^4+f(x)\,x^2+9\,x^3+5\,x^2-f(x)+4\,x+2)$$

Sequence: A163525
Score: 5.00103
Type of gen. func.: ogf

$$\frac{(x+1)\,(x^4+x^3+x^2+x+1)}{276\,x^5-23\,x^4-23\,x^3-23\,x^2-23\,x+1}$$

Sequence: A163526
Score: 5.05285
Type of gen. func.: ogf

$$\frac{(x+1)\,(x^4+x^3+x^2+x+1)}{300\,x^5-24\,x^4-24\,x^3-24\,x^2-24\,x+1}$$

Sequence: A163527
Score: 5.10467
Type of gen. func.: ogf

$$\frac{(x+1)\,(x^4+x^3+x^2+x+1)}{325\,x^5-25\,x^4-25\,x^3-25\,x^2-25\,x+1}$$

Sequence: A163548
Score: 5.18241
Type of gen. func.: ogf

$$\frac{(x+1)\,(x^4+x^3+x^2+x+1)}{351\,x^5-26\,x^4-26\,x^3-26\,x^2-26\,x+1}$$

Sequence: A163549
Score: 5.20833
Type of gen. func.: ogf

4   3   2

$$\frac{(x + 1) (x + x + x + x + 1)}{378 x^{5} - 27 x^{4} - 27 x^{3} - 27 x^{2} - 27 x + 1}$$

Sequence: A163551
Score: 4.70042
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-24 x^{16} - 24 x^{15} + 61 x^{14} + 11 x^{13} - 24 x^{12} - 8 x^{3} + 4 x^{2} + 4 x - 2}{24 x^{16} - 24 x^{15} - 13 x^{14} + 13 x^{13} + 8 x^{3} - 4 x^{2} - 4 x + 2}$$

Sequence: A163552
Score: 5.26015
Type of gen. func.: ogf

$$\frac{(x + 1) (x^{4} + x^{3} + x^{2} + x + 1)}{406 x^{5} - 28 x^{4} - 28 x^{3} - 28 x^{2} - 28 x + 1}$$

Sequence: A163564
Score: 5.28606
Type of gen. func.: ogf

$$\frac{(x + 1) (x^{4} + x^{3} + x^{2} + x + 1)}{435 x^{5} - 29 x^{4} - 29 x^{3} - 29 x^{2} - 29 x + 1}$$

Sequence: A163565
Score: 5.28606
Type of gen. func.: ogf

$$\frac{(x + 1) (x^{4} + x^{3} + x^{2} + x + 1)}{465 x^{5} - 30 x^{4} - 30 x^{3} - 30 x^{2} - 30 x + 1}$$

Sequence: A163567
Score: 5.46744

Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + x^3 + x^2 + x + 1)}{496 x^5 - 31 x^4 - 31 x^3 - 31 x^2 - 31 x + 1}$$

Sequence: A163581
Score: 13.6469
Type of gen. func.: ogf_with_Euler_transform]

$$x^{21} - x^{20} + x^2$$

Sequence: A163581
Score: 22.8228
Type of gen. func.: lgdogf

$$\frac{3 x^2 (7 x^{15} + 1)}{7 x^{15} - x^3 + 1}$$

Sequence: A163584
Score: 4.95628
Type of gen. func.: ogf

$$- x (x^{19} + x^{16} + x^{13} + x^9 + x^6 + x^3 + 1) / ((x - 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x + 1) (x^{10} - x^9 + x^8 - x^7 + x^6 - x^5 + x^4 - x^3 + x^2 - x + 1))$$

Sequence: A163593
Score: 5.46744
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + x^3 + x^2 + x + 1)}{528 x^5 - 32 x^4 - 32 x^3 - 32 x^2 - 32 x + 1}$$

Sequence: A163600
Score: 5.46744
Type of gen. func.: ogf

$$\frac{(x+1)\,(x^4+x^3+x^2+x+1)}{561\,x^5-33\,x^4-33\,x^3-33\,x^2-33\,x+1}$$

Sequence: A163601
Score: 5.51927
Type of gen. func.: ogf

$$\frac{(x+1)\,(x^4+x^3+x^2+x+1)}{595\,x^5-34\,x^4-34\,x^3-34\,x^2-34\,x+1}$$

Sequence: A163604
Score: 15.9501
Type of gen. func.: ogf

$$-\frac{8\,x-3}{14\,x^2-8\,x+1}$$

Sequence: A163604
Score: 17.1705
Type of gen. func.: revogf

$$-\frac{-3-8\,x+(8\,x^2+16\,x+9)^{1/2}}{4\,(4+7\,x)}$$

Sequence: A163604
Score: 17.5893
Type of gen. func.: lgdogf

$$-\frac{4\,(28\,x^2-21\,x+4)}{(8\,x-3)\,(14\,x^2-8\,x+1)}$$

Sequence: A163604
Score: 7.97506
Type of gen. func.: ogf

$$-(11 f(x) + 31) (14 f(x) x^2 - 8 f(x) x + f(x) + 8 x - 3)$$

Sequence: A163604
Score: 8.73458
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 14 a(n), a(0) = 3, a(1) = 16\}$$

Sequence: A163605
Score: 12.1701
Type of gen. func.: ogf

$$-\frac{11 x - 3}{23 x^2 - 10 x + 1}$$

Sequence: A163605
Score: 12.7152
Type of gen. func.: revogf

$$-\frac{-3 - 10 x + (8 x^2 + 16 x + 9)^{1/2}}{2 (11 + 23 x)}$$

Sequence: A163605
Score: 13.0042
Type of gen. func.: lgdogf

$$-\frac{253 x^2 - 138 x + 19}{(11 x - 3) (23 x^2 - 10 x + 1)}$$

Sequence: A163605
Score: 6.14913
Type of gen. func.: ogf

$$-(52 f(x) + 205) (23 f(x) x^2 - 10 f(x) x + f(x) + 11 x - 3)$$

Sequence: A163605
Score: 6.87255
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 23 a(n), a(0) = 3, a(1) = 19\}$$

Sequence: A163606
Score: 13.4632
Type of gen. func.: ogf

$$-\frac{5 x - 3}{7 x^2 - 6 x + 1}$$

Sequence: A163606
Score: 14.1305
Type of gen. func.: revogf

$$-\frac{-3 - 6 x + (8 x^2 + 16 x + 9)^{1/2}}{2 (5 + 7 x)}$$

Sequence: A163606
Score: 15.2174
Type of gen. func.: lgdogf

$$-\frac{35 x^2 - 42 x + 13}{(5 x - 3) (7 x^2 - 6 x + 1)}$$

Sequence: A163606
Score: 6.65763
Type of gen. func.: ogf

$$-(36 f(x) + 61) (7 f(x) x^2 - 6 f(x) x + f(x) + 5 x - 3)$$

Sequence: A163606
Score: 7.29933
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 7 a(n), a(0) = 3, a(1) = 13\}$$

Sequence: A163607
Score: 15.2541
Type of gen. func.: ogf

$$\frac{x - 5}{x^2 + 2 x - 1}$$

Sequence: A163607
Score: 16.8276
Type of gen. func.: revogf

$$\frac{-5 - 2 x + (8 x^2 + 16 x + 25)^{1/2}}{2 (x - 1)}$$

Sequence: A163607
Score: 21.0345
Type of gen. func.: lgdogf

$$- \frac{x^2 - 10 x - 9}{(x - 5) (x^2 + 2 x - 1)}$$

Sequence: A163607
Score: 7.54323
Type of gen. func.: ogf

$$-(28 f(x) - 59) (f(x) x^2 + 2 f(x) x - f(x) - x + 5)$$

Sequence: A163607
Score: 8.37113
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + a(n), a(0) = 5, a(1) = 9\}$$

Sequence: A163608
Score: 14.1247
Type of gen. func.: ogf

$$-\frac{6 x - 5}{2 x^2 - 4 x + 1}$$

Sequence: A163608
Score: 15.1926
Type of gen. func.: revogf

$$-\frac{-5 - 4 x + (8 x^2 + 16 x + 25)^{1/2}}{4 (x + 3)}$$

Sequence: A163608
Score: 15.9717
Type of gen. func.: lgdogf

$$-\frac{2 (6 x^2 - 10 x + 7)}{(6 x - 5) (2 x^2 - 4 x + 1)}$$

Sequence: A163608
Score: 7.14169
Type of gen. func.: ogf

$$-(9 f(x) + 4) (2 f(x) x^2 - 4 f(x) x + f(x) + 6 x - 5)$$

Sequence: A163608
Score: 7.65795
Type of gen. func.: ogf

$\{a(n+2) - 4\,a(n+1) + 2\,a(n),\ a(0) = 5,\ a(1) = 14\}$

Sequence: A163609
Score: 13.3049
Type of gen. func.: ogf

$$-\frac{11x - 5}{7x^2 - 6x + 1}$$

Sequence: A163609
Score: 13.6287
Type of gen. func.: revogf

$$-\frac{-5 - 6x + (8x^2 + 16x + 25)^{1/2}}{2\,(11 + 7x)}$$

Sequence: A163609
Score: 14.9915
Type of gen. func.: lgdogf

$$-\frac{77x^2 - 70x + 19}{(11x - 5)\,(7x^2 - 6x + 1)}$$

Sequence: A163609
Score: 6.58093
Type of gen. func.: ogf

$$-(44\,f(x) + 141)\,(7\,f(x)\,x^2 - 6\,f(x)\,x + f(x) + 11x - 5)$$

Sequence: A163609
Score: 7.37381
Type of gen. func.: ogf

$\{a(n+2) - 6\,a(n+1) + 7\,a(n),\ a(0) = 5,\ a(1) = 19\}$

Sequence: A163610
Score: 13.0202
Type of gen. func.: ogf

$$-\frac{16 x - 5}{14 x^2 - 8 x + 1}$$

Sequence: A163610
Score: 13.9481
Type of gen. func.: revogf

$$-\frac{-5 - 8 x + (8 x^2 + 16 x + 25)^{1/2}}{4 (8 + 7 x)}$$

Sequence: A163610
Score: 14.2802
Type of gen. func.: lgdogf

$$-\frac{4 (56 x^2 - 35 x + 6)}{(16 x - 5) (14 x^2 - 8 x + 1)}$$

Sequence: A163610
Score: 6.5801
Type of gen. func.: ogf

$$-(13 f(x) + 79) (14 f(x) x^2 - 8 f(x) x + f(x) + 16 x - 5)$$

Sequence: A163610
Score: 7.28511
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 14 a(n), a(0) = 5, a(1) = 24\}$$

Sequence: A163611
Score: 12.4198

Type of gen. func.: ogf

$$- \frac{21 x - 5}{23 x^2 - 10 x + 1}$$

Sequence: A163611
Score: 12.6993
Type of gen. func.: revogf

$$- \frac{-5 - 10 x + (8 x^2 + 16 x + 25)^{1/2}}{2 (21 + 23 x)}$$

Sequence: A163611
Score: 13.2765
Type of gen. func.: lgdogf

$$- \frac{483 x^2 - 230 x + 29}{(21 x - 5) (23 x^2 - 10 x + 1)}$$

Sequence: A163611
Score: 6.27527
Type of gen. func.: ogf

$$-(60 f(x) + 541) (23 f(x) x^2 - 10 f(x) x + f(x) + 21 x - 5)$$

Sequence: A163611
Score: 7.01353
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 23 a(n), a(0) = 5, a(1) = 29\}$$

Sequence: A163613
Score: 13.9128
Type of gen. func.: ogf

$$\frac{1 + 4 x}{}$$

$$2 x^2 - 4 x + 1$$

Sequence: A163613
Score: 15.3341
Type of gen. func.: revogf

$$-\frac{-1 - 4 x + (8 x^2 + 24 x + 1)^{1/2}}{4 (x - 2)}$$

Sequence: A163613
Score: 16.5774
Type of gen. func.: lgdogf

$$-\frac{4 (2 x^2 + x - 2)}{(1 + 4 x) (2 x^2 - 4 x + 1)}$$

Sequence: A163613
Score: 7.36561
Type of gen. func.: ogf

$$(7 f(x) + 9) (2 f(x) x^2 - 4 f(x) x + f(x) - 4 x - 1)$$

Sequence: A163613
Score: 7.63507
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A163614
Score: 13.2571
Type of gen. func.: ogf

$$\frac{3 x + 1}{7 x^2 - 6 x + 1}$$

Sequence: A163614
Score: 13.5862
Type of gen. func.: revogf

$$-\frac{-1 - 6 x + (8 x^2 + 24 x + 1)^{1/2}}{2 (-3 + 7 x)}$$

Sequence: A163614
Score: 14.9797
Type of gen. func.: lgdogf

$$-\frac{21 x^2 + 14 x - 9}{(3 x + 1) (7 x^2 - 6 x + 1)}$$

Sequence: A163614
Score: 6.85714
Type of gen. func.: ogf

$$(40 f(x) + 41) (7 f(x) x^2 - 6 f(x) x + f(x) - 3 x - 1)$$

Sequence: A163614
Score: 7.27526
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 7 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A163615
Score: 13.1047
Type of gen. func.: ogf

$$\frac{2 x + 1}{14 x^2 - 8 x + 1}$$

Sequence: A163615
Score: 13.7357
Type of gen. func.: revogf

$$-\frac{-1 - 8 x + (8 x^2 + 24 x + 1)^{1/2}}{4 (7 x - 1)}$$

Sequence: A163615
Score: 14.0628
Type of gen. func.: lgdogf

$$-\frac{2 (14 x^2 + 14 x - 5)}{(2 x + 1) (14 x^2 - 8 x + 1)}$$

Sequence: A163615
Score: 6.85018
Type of gen. func.: ogf

$$(13 f(x) + 12) (14 f(x) x^2 - 8 f(x) x + f(x) - 2 x - 1)$$

Sequence: A163615
Score: 7.17637
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 14 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A163616
Score: 12.3654
Type of gen. func.: ogf

$$\frac{x + 1}{23 x^2 - 10 x + 1}$$

Sequence: A163616
Score: 12.6486
Type of gen. func.: revogf

$$-\frac{-1 - 10 x + (8 x^2 + 24 x + 1)^{1/2}}{}$$

$$2 (-1 + 23 x)$$

Sequence: A163616
Score: 14.2297
Type of gen. func.: lgdogf

$$-\frac{23 x^2 + 46 x - 11}{(x + 1) (23 x^2 - 10 x + 1)}$$

Sequence: A163616
Score: 6.53002
Type of gen. func.: ogf

$$(64 f(x) + 57) (23 f(x) x^2 - 10 f(x) x + f(x) - x - 1)$$

Sequence: A163616
Score: 6.83732
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 23 a(n), a(0) = 1, a(1) = 11\}$$

Sequence: A163633
Score: 4.85915
Type of gen. func.: ogf

$$(8 x^{13} - 18 x^{12} + 10 x^{11} - 10 x^8 + 16 x^7 - 16 x^6 + 16 x^5 - 16 x^4 + 16 x^3 - 11 x^2 + 8 x - 5) / (x - 1)^3$$

Sequence: A163645
Score: 4.80869
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + x^3 + x^2 + x + 1)}{630 x^5 - 35 x^4 - 35 x^3 - 35 x^2 - 35 x + 1}$$

Sequence: A163645
Score: 9.52832
Type of gen. func.: ogf

$$-(36 f(x) x - f(x) + x + 1)^3$$

Sequence: A163650
Score: 15.7393
Type of gen. func.: lgdogf

$$-\frac{2 x (3 x^2 - 8 x - 1)}{(x - 1) (3 x + 1) (2 x^2 - 3 x - 1)}$$

Sequence: A163655
Score: 10.2690
Type of gen. func.: ogf

$$\frac{x (5 x^2 - 9 x + 10)}{(x - 1)^4}$$

Sequence: A163655
Score: 19.7064
Type of gen. func.: lgdogf

$$-\frac{10 x^2 - 17 x + 31}{(x - 1) (5 x^2 - 9 x + 10)}$$

Sequence: A163655
Score: 3.70687
Type of gen. func.: ogf

{(30 + 10 n) a(n + 4) + (-69 - 19 n) a(n + 3) + (31 + 14 n) a(n + 2)

+ (-10 - 5 n) a(n + 1), a(0) = 0, a(1) = 10, a(2) = 31, a(3) = 69}

Sequence: A163655
Score: 5.20486
Type of gen. func.: ogf

$$(1624320 f(x) - 2325907) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 5 x^3 - 4 f(x) x + 9 x^2 + f(x) - 10 x)$$

Sequence: A163660
Score: 4.80869
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + x^3 + x^2 + x + 1)}{666 x^5 - 36 x^4 - 36 x^3 - 36 x^2 - 36 x + 1}$$

Sequence: A163660
Score: 9.52832
Type of gen. func.: ogf

$$-(37 f(x) x - f(x) + x + 1)^3$$

Sequence: A163661
Score: 10.1813
Type of gen. func.: ogf

$$\frac{x (7 x^2 - 13 x + 12)}{(x - 1)^4}$$

Sequence: A163661
Score: 19.2957
Type of gen. func.: lgdogf

$$- \frac{14 x^2 - 25 x + 35}{(x - 1) (7 x^2 - 13 x + 12)}$$

Sequence: A163661
Score: 3.72487
Type of gen. func.: ogf

$$\{(36 + 12 n) a(n + 4) + (-85 - 25 n) a(n + 3) + (45 + 20 n) a(n + 2)$$

$$+ (-14 - 7 n) a(n + 1), a(0) = 0, a(1) = 12, a(2) = 35, a(3) = 75\}$$

Sequence: A163661
Score: 5.23012
Type of gen. func.: ogf

$$(1391040 f(x) - 524179)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 7 x^3 - 4 f(x) x + 13 x^2 + f(x) - 12 x)$$

Sequence: A163662
Score: 11.1040
Type of gen. func.: revogf

$$- \frac{-101 x - 10 + (121 x + 10)^{1/2} (81 x + 10)^{1/2}}{200 x}$$

Sequence: A163662
Score: 15.7649
Type of gen. func.: ogf

$$\frac{10}{(100 x - 1) (x - 1)}$$

Sequence: A163662
Score: 20.2935
Type of gen. func.: lgdogf

$$- \frac{-101 + 200 x}{(100 x - 1) (x - 1)}$$

Sequence: A163662

Score: 6.44157
Type of gen. func.: ogf

$$(10001 f(x) + 2000) (100 f(x) x^2 - 101 f(x) x + f(x) - 10)$$

Sequence: A163662
Score: 6.65630
Type of gen. func.: ogf

$$\{-a(n + 2) + 101 a(n + 1) - 100 a(n), a(0) = 10, a(1) = 1010\}$$

Sequence: A163663
Score: 14.7096
Type of gen. func.: revogf

$$-\frac{-10 - 11 x + (81 x^2 + 220 x + 100)^{1/2}}{200 x}$$

Sequence: A163663
Score: 14.8943
Type of gen. func.: ogf

$$\frac{100 x}{(100 x - 1) (10 x - 1)}$$

Sequence: A163663
Score: 19.0360
Type of gen. func.: lgdogf

$$-\frac{10 (-11 + 200 x)}{(100 x - 1) (10 x - 1)}$$

Sequence: A163663
Score: 7.44714
Type of gen. func.: ogf

$$\{a(n + 2) - 110 a(n + 1) + 1000 a(n), a(0) = 0, a(1) = 100\}$$

Sequence: A163663
Score: 9.92952
Type of gen. func.: ogf

$$-1000 f(x) x^2 + 110 f(x) x - f(x) + 100 x$$

Sequence: A163664
Score: 10.9729
Type of gen. func.: lgdogf

$$-\frac{10 (20000 x^2 - 2200 x + 101)}{(-11 + 200 x) (100 x - 1) (10 x - 1)}$$

Sequence: A163664
Score: 11.5639
Type of gen. func.: ogf

$$-\frac{10 (-11 + 200 x)}{(100 x - 1) (10 x - 1)}$$

Sequence: A163664
Score: 13.0304
Type of gen. func.: revogf

$$-\frac{-11 - 11 x + (81 x^2 + 162 x + 121)^{1/2}}{200 (x + 2)}$$

Sequence: A163664
Score: 6.11551
Type of gen. func.: ogf

$$-(891 f(x) + 4000) (1000 f(x) x^2 - 110 f(x) x + f(x) + 2000 x - 110)$$

Sequence: A163664
Score: 6.83885
Type of gen. func.: ogf

{a(n + 2) - 110 a(n + 1) + 1000 a(n), a(0) = 110, a(1) = 10100}

Sequence: A163668
Score: 4.85931
Type of gen. func.: ogf

$$\frac{(x+1)(x^4+x^3+x^2+x+1)}{703x^5-37x^4-37x^3-37x^2-37x+1}$$

Sequence: A163668
Score: 9.62862
Type of gen. func.: ogf

$$-(38 f(x) x - f(x) + x + 1)^3$$

Sequence: A163669
Score: 4.88462
Type of gen. func.: ogf

$$\frac{(x+1)(x^4+x^3+x^2+x+1)}{741x^5-38x^4-38x^3-38x^2-38x+1}$$

Sequence: A163669
Score: 9.67877
Type of gen. func.: ogf

$$-(39 f(x) x - f(x) + x + 1)^3$$

Sequence: A163673
Score: 17.1287
Type of gen. func.: lgdogf

$$-\frac{3(4x^2-7x+11)}{(x-1)(6x^2-11x+11)}$$

Sequence: A163673
Score: 4.49571
Type of gen. func.: ogf

$$-\frac{1507680 f(x) - 1755163}{f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 6 x^3 - 4 f(x) x + 11 x^2 + f(x) - 11 x}$$

Sequence: A163673
Score: 9.05137
Type of gen. func.: ogf

$$\frac{x (6 x^2 - 11 x + 11)}{(x - 1)^4}$$

Sequence: A163675
Score: 10.5465
Type of gen. func.: ogf

$$\frac{x (8 x^2 - 15 x + 13)}{(x - 1)^4}$$

Sequence: A163675
Score: 19.9961
Type of gen. func.: lgdogf

$$-\frac{16 x^2 - 29 x + 37}{(x - 1) (8 x^2 - 15 x + 13)}$$

Sequence: A163675
Score: 3.85849
Type of gen. func.: ogf

{(39 + 13 n) a(n + 4) + (-93 - 28 n) a(n + 3) + (52 + 23 n) a(n + 2)

$+ (-16 - 8 n) a(n + 1), a(0) = 0, a(1) = 13, a(2) = 37, a(3) = 78\}$

Sequence: A163675
Score: 5.45511
Type of gen. func.: ogf

$$(254880 f(x) + 260449)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 8 x^3 - 4 f(x) x + 15 x^2 + f(x) - 13 x)$$

Sequence: A163677
Score: 4.93523
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + x^3 + x^2 + x + 1)}{780 x^5 - 39 x^4 - 39 x^3 - 39 x^2 - 39 x + 1}$$

Sequence: A163677
Score: 9.77907
Type of gen. func.: ogf

$$-(40 f(x) x - f(x) + x + 1)^3$$

Sequence: A163683
Score: 11.2425
Type of gen. func.: ogf

$$- \frac{x (3 x^2 - 8 x - 7)}{(x - 1)^4}$$

Sequence: A163683
Score: 23.1302
Type of gen. func.: lgdogf

$$- \frac{6 (x^2 - 3 x - 6)}{2}$$

$$(x - 1) (3 x - 8 x - 7)$$

Sequence: A163683
Score: 4.08308
Type of gen. func.: ogf

$$\{(-21 - 7 n) a(n + 4) + (34 - n) a(n + 3) + (29 + 11 n) a(n + 2)$$

$$+ (-6 - 3 n) a(n + 1), a(0) = 0, a(1) = 7, a(2) = 36, a(3) = 99\}$$

Sequence: A163683
Score: 5.62123
Type of gen. func.: ogf

$$(1191240 f(x) + 14532857)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 3 x^3 - 4 f(x) x - 8 x^2 + f(x) - 7 x)$$

Sequence: A163685
Score: 9.16271
Type of gen. func.: lgdogf

$$\frac{x^8 - 2 x^6 + 10 x^5 - 7 x^4 + 4 x^3 + 2 x^2 - 2 x + 3}{(x^2 - x + 1) (x^2 + x - 1) (x^5 - x^4 - x^3 - x - 1)}$$

Sequence: A163685
Score: 9.70727
Type of gen. func.: ogf

$$\frac{x^5 - x^4 - x^3 - x - 1}{(x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A163686
Score: 3.88709
Type of gen. func.: ogf

$$(2 x^{11} + 3 x^{10} - 2 x^9 - 6 x^8 - 4 x^7 + 2 x^6 + 4 x^5 - 10 x^4 + 6 x^3 - 2 x^2 - 1)$$

$$/ \; ((x^3 + x^2 - x + 1) (x^4 + 2 x - 1) (x - 1)^2)$$

Sequence: A163695
Score: 14.5118
Type of gen. func.: ogf

$$\frac{(x - 2) (x + 1)^2}{x^2 + x - 1}$$

Sequence: A163695
Score: 21.5624
Type of gen. func.: lgdogf

$$\frac{x^3 + x^2 - x + 5}{(x - 2) (x + 1) (x^2 + x - 1)}$$

Sequence: A163695
Score: 6.68805
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3) - a(n + 2), a(0) = 2, a(1) = 5, a(2) = 7, a(3) = 11\}$$

Sequence: A163695
Score: 8.27017
Type of gen. func.: ogf

$$(5 f(x) + 2) (f(x) x^2 - x^3 + f(x) x - f(x) + 3 x + 2)$$

Sequence: A163696
Score: 5.00069
Type of gen. func.: lgdogf

$$(4 x^{12} - 7 x^{11} - 3 x^{10} + 30 x^9 - 30 x^8 - 31 x^7 + 73 x^6 - 35 x^5 + 29 x^4 - 18 x^3$$

$$- 6 x^2 + 21 x - 11) \; / \; ((x - 1) (x^4 + 2 x - 1)$$

/

$(2 x^8 + x^7 - 5 x^6 - x^4 + x^2 + x - 3))$

Sequence: A163696
Score: 5.84241
Type of gen. func.: ogf

$$\frac{2 x^8 + x^7 - 5 x^6 - x^4 + x^2 + x - 3}{(x^4 + 2 x - 1) (x - 1)^2}$$

Sequence: A163704
Score: 12.7244
Type of gen. func.: lgdogf

$$\frac{3 x^3 - 7 x^2 - 3 x + 5}{(x - 1) (x^2 + x - 1) (x^4 - x^3 - 2 x^2 + 2 x + 1)}$$

Sequence: A163704
Score: 4.96317
Type of gen. func.: ogf

$(210 f(x) - 439)$ (

$f(x) x^4 - f(x) x^3 + x^4 - 2 f(x) x^2 - x^3 + 3 f(x) x - 2 x^2 - f(x) + 2 x + 1)$

Sequence: A163704
Score: 8.70015
Type of gen. func.: ogf

$$- \frac{x^4 - x^3 - 2 x^2 + 2 x + 1}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A163705
Score: 3.99867
Type of gen. func.: ogf

$$-\frac{2x^{10}+2x^{9}-4x^{8}-4x^{7}-2x^{6}+3x^{5}+6x^{4}-8x^{3}-x^{2}+x+1}{(x^{2}+x-1)(x^{4}+2x-1)(x-1)^{3}}$$

Sequence: A163714
Score: 14.1988
Type of gen. func.: ogf

$$\frac{(x+1)(x^{2}-x-3)}{x^{2}+x-1}$$

Sequence: A163714
Score: 15.7065
Type of gen. func.: lgdogf

$$\frac{x^{4}+2x^{3}+x^{2}+6x+7}{(x+1)(x^{2}-x-3)(x^{2}+x-1)}$$

Sequence: A163714
Score: 6.48741
Type of gen. func.: ogf

$$\{a(n+4)-a(n+3)-a(n+2),\ a(0)=3,\ a(1)=7,\ a(2)=10,\ a(3)=16\}$$

Sequence: A163714
Score: 7.92146
Type of gen. func.: ogf

$$(85 f(x)+57)(f(x) x^{2}-x^{3}+f(x) x-f(x)+4x+3)$$

Sequence: A163715
Score: 4.93566
Type of gen. func.: ogf

7   6   5   4   3   2

$$\frac{(x + 1) (2 x - x - 7 x + 10 x - 6 x - 3 x + 9 x - 6)}{(x^4 + 2 x - 1) (x - 1)^2}$$

Sequence: A163723
Score: 10.7544
Type of gen. func.: lgdogf

$$- \frac{x^6 - 4 x^4 + 2 x^3 + 14 x^2 - 7}{(x - 1) (x^2 + x - 1) (x^4 - x^3 - 2 x^2 + 3 x + 1)}$$

Sequence: A163723
Score: 7.78256
Type of gen. func.: ogf

$$\frac{x^4 - x^3 - 2 x^2 + 3 x + 1}{(x^2 + x - 1) (x - 1)^3}$$

Sequence: A163724
Score: 3.90608
Type of gen. func.: ogf

$$\frac{2 x^{10} + x^9 - 5 x^8 - x^7 + x^6 + 4 x^4 - 7 x^3 - 3 x^2 + 3 x + 1}{(x^2 + x - 1) (x^4 + 2 x - 1) (x - 1)^4}$$

Sequence: A163733
Score: 16.1106
Type of gen. func.: lgdogf

$$\frac{x^4 + 2 x^3 - 3 x^2 + 2 x + 1}{(x - 1) (x^2 + x + 1) (x^2 + x - 1)}$$

Sequence: A163733
Score: 16.4118

Type of gen. func.: ogf

$$\frac{(x - 1) (x^2 + x + 1)}{x^2 + x - 1}$$

Sequence: A163733
Score: 7.05418
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3) - a(n + 2), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 2\}$$

Sequence: A163733
Score: 9.03568
Type of gen. func.: ogf

$$(2 f(x) + 1) (f(x) x^2 - x^3 + f(x) x - f(x) + 1)$$

Sequence: A163734
Score: 5.18971
Type of gen. func.: ogf

$$\frac{2 x^8 + 3 x^7 - 4 x^6 - 6 x^5 - x^4 + 3 x^3 - 2 x^2 + 2 x - 1}{(x^4 + 2 x - 1) (x - 1)^2}$$

Sequence: A163743
Score: 4.93523
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + x^3 + x^2 + x + 1)}{820 x^5 - 40 x^4 - 40 x^3 - 40 x^2 - 40 x + 1}$$

Sequence: A163743
Score: 9.77907
Type of gen. func.: ogf

$$-(41 f(x) x - f(x) + x + 1)^3$$

Sequence: A163745
Score: 4.96054
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + x^3 + x^2 + x + 1)}{861 x^5 - 41 x^4 - 41 x^3 - 41 x^2 - 41 x + 1}$$

Sequence: A163745
Score: 9.82922
Type of gen. func.: ogf

$$-(42 f(x) x - f(x) + x + 1)^3$$

Sequence: A163748
Score: 4.98585
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + x^3 + x^2 + x + 1)}{903 x^5 - 42 x^4 - 42 x^3 - 42 x^2 - 42 x + 1}$$

Sequence: A163748
Score: 9.87937
Type of gen. func.: ogf

$$-(43 f(x) x - f(x) + x + 1)^3$$

Sequence: A163749
Score: 5.03647
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + x^3 + x^2 + x + 1)}{946 x^5 - 43 x^4 - 43 x^3 - 43 x^2 - 43 x + 1}$$

Sequence: A163749
Score: 9.97967
Type of gen. func.: ogf

$$-(44 f(x) x - f(x) + x + 1)^3$$

Sequence: A163750
Score: 13.7292
Type of gen. func.: ogf

$$-\frac{x (7 x^4 - 9 x^3 + x - 1)}{(x - 1)^2}$$

Sequence: A163750
Score: 17.5965
Type of gen. func.: lgdogf

$$\frac{14 x^4 - 37 x^3 + 27 x^2 - x + 1}{(x - 1) (7 x^4 - 9 x^3 + x - 1)}$$

Sequence: A163756
Score: 10.5903
Type of gen. func.: ogf

$$f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 14 x$$

Sequence: A163756
Score: 101.828
Type of gen. func.: lgdogf

$$-\frac{3}{x - 1}$$

Sequence: A163756
Score: 17.9575
Type of gen. func.: ogf

$$-\frac{14\,x}{(x-1)^3}$$

Sequence: A163756
Score: 63.1668
Type of gen. func.: ogf_with_Euler_transform]

[3]

Sequence: A163756
Score: 7.31013
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 14, a(2) = 42}

Sequence: A163758
Score: 10.5763
Type of gen. func.: ogf

$$f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x - f(x) + 18\,x$$

Sequence: A163758
Score: 101.700
Type of gen. func.: lgdogf

$$-\frac{3}{x-1}$$

Sequence: A163758
Score: 17.9338
Type of gen. func.: ogf

$$-\frac{18\,x}{(x-1)^3}$$

Sequence: A163758
Score: 63.0725
Type of gen. func.: ogf_with_Euler_transform]

[3]

Sequence: A163758
Score: 7.30047
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 18, a(2) = 54\}$$

Sequence: A163761
Score: 10.6734
Type of gen. func.: ogf

$$f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 20 x$$

Sequence: A163761
Score: 17.4978
Type of gen. func.: ogf

$$- \frac{20 x}{(x - 1)^3}$$

Sequence: A163761
Score: 61.5278
Type of gen. func.: ogf_with_Euler_transform]

[3]

Sequence: A163761
Score: 7.12298
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 20, a(2) = 60\}$$

Sequence: A163761
Score: 99.2017
Type of gen. func.: lgdogf

$$-\frac{3}{x-1}$$

Sequence: A163802
Score: 5.03647
Type of gen. func.: ogf

$$\frac{(x+1)(x^4+x^3+x^2+x+1)}{990x^5-44x^4-44x^3-44x^2-44x+1}$$

Sequence: A163802
Score: 9.97967
Type of gen. func.: ogf

$$-(45 f(x) x - f(x) + x + 1)^3$$

Sequence: A163803
Score: 4.98983
Type of gen. func.: ogf

$$\frac{(x+1)(x^4+x^3+x^2+x+1)}{1035x^5-45x^4-45x^3-45x^2-45x+1}$$

Sequence: A163803
Score: 9.97967
Type of gen. func.: ogf

$$-(46 f(x) x - f(x) + x + 1)^3$$

Sequence: A163804
Score: 12.5286
Type of gen. func.: ogf

$$f(x) x^2 + f(x) x - x^2 + f(x) - 1$$

Sequence: A163804
Score: 17.1310
Type of gen. func.: ogf

$$\frac{x^2 + 1}{x^2 + x + 1}$$

Sequence: A163804
Score: 25.3852
Type of gen. func.: ogf_with_Euler_transform]

$$-x^3 + x^2 + x - 1$$

Sequence: A163804
Score: 39.5588
Type of gen. func.: lgdogf

$$\frac{(x - 1) (x + 1)}{(x^2 + 1) (x^2 + x + 1)}$$

Sequence: A163804
Score: 8.22960
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) - a(n + 1), a(0) = 1, a(1) = -1, a(2) = 1\}$$

Sequence: A163805
Score: 14.1375
Type of gen. func.: ogf

$$f(x) x^2 - x^2 + f(x) + x - 1$$

Sequence: A163805
Score: 15.2916
Type of gen. func.: ogf

$$\frac{x^2 - x + 1}{x^2 + 1}$$

Sequence: A163805
Score: 18.2377
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^5 + x^3 + x^2 - 1]$$

Sequence: A163805
Score: 37.7131
Type of gen. func.: lgdogf

$$\frac{(x - 1) (x + 1)}{(x^2 + 1) (x^2 - x + 1)}$$

Sequence: A163805
Score: 9.02757
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 1), a(0) = 1, a(1) = -1, a(2) = 0\}$$

Sequence: A163806
Score: 12.4337
Type of gen. func.: ogf

$$f(x) x^2 - f(x) x - x^2 + f(x) - 1$$

Sequence: A163806
Score: 17.0012

Type of gen. func.: ogf

$$\frac{x^2 + 1}{x^2 - x + 1}$$

Sequence: A163806
Score: 20.2767
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5 - x^3 - x^2 + 1]$$

Sequence: A163806
Score: 37.6971
Type of gen. func.: lgdogf

$$- \frac{(x - 1)(x + 1)}{(x^2 + 1)(x^2 - x + 1)}$$

Sequence: A163806
Score: 8.16725
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) + a(n + 1), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A163810
Score: 11.7332
Type of gen. func.: ogf

$$f(x) x^2 - f(x) x - x^2 + f(x) + 2 x - 1$$

Sequence: A163810
Score: 15.7181
Type of gen. func.: ogf

$$\frac{(x - 1)^2}{2}$$

$$x - x + 1$$

Sequence: A163810
Score: 25.1923
Type of gen. func.: ogf_with_Euler_transform]

$$x^5 - x^2 - x - 1$$

Sequence: A163810
Score: 54.2962
Type of gen. func.: lgdogf

$$\frac{x + 1}{(x - 1)\ (x^2 - x + 1)}$$

Sequence: A163810
Score: 8.16725
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) - a(n + 1),\ a(0) = 1,\ a(1) = -1,\ a(2) = -1\}$$

Sequence: A163811
Score: 16.7690
Type of gen. func.: lgdogf

$$\frac{(x - 1)\ (x + 1)\ (x^4 + 3\ x^2 + 1)}{(x^2 + x + 1)\ (x^2 - x + 1)\ (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A163811
Score: 18.0755
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9 + x^5 + x^4 - 1$$

Sequence: A163811

Score: 5.44854
Type of gen. func.: ogf

$$\{-a(n + 5) - a(n + 3) - a(n + 1), a(0) = 1, a(1) = -1, a(2) = 0, a(3) = 0, a(4) = 0\}$$

Sequence: A163811
Score: 5.93071
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^4 - x^4 + f(x) x^2 + x^3 - x^2 + f(x) + x - 1)$$

Sequence: A163811
Score: 9.18041
Type of gen. func.: ogf

$$\frac{x^4 - x^3 + x^2 - x + 1}{(x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A163812
Score: 12.3043
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^2 - x + 1)}{x^4 - x^3 + x^2 - x + 1}$$

Sequence: A163812
Score: 18.1068
Type of gen. func.: lgdogf

$$- \frac{(x - 1) (x + 1) (x^4 + 3 x^2 + 1)}{(x^2 + x + 1) (x^2 - x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A163812
Score: 24.2261

Type of gen. func.: ogf_with_Euler_transform]

$$x^9 - x^5 - x^4 + 1$$

Sequence: A163812
Score: 6.55631
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^4 - f(x) x^3 - x^4 + f(x) x^2 - f(x) x - x^2 + f(x) - 1)$$

Sequence: A163815
Score: 12.5474
Type of gen. func.: ogf

$$\frac{2 x (x + 5)}{(x - 1)^4}$$

Sequence: A163815
Score: 40.8493
Type of gen. func.: lgdogf

$$-\frac{3 (7 + x)}{(x + 5) (x - 1)}$$

Sequence: A163815
Score: 5.41259
Type of gen. func.: ogf

$$\{(10 + 5 n) a(n + 3) + (-25 - 4 n) a(n + 2) + (-3 - n) a(n + 1), a(0) = 0,$$

$$a(1) = 10, a(2) = 42\}$$

Sequence: A163815
Score: 6.00092
Type of gen. func.: ogf

$$(1103760 f(x) + 6991973)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 2 x^2 + f(x) - 10 x)$$

Sequence: A163817
Score: 16.4343
Type of gen. func.: lgdogf

$$-\frac{(x - 1) (x + 1) (x^4 + 3 x^2 + 1)}{(x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A163817
Score: 18.0755
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5 - x^4 - x + 1]$$

Sequence: A163817
Score: 5.44854
Type of gen. func.: ogf

{-a(n + 5) - a(n + 3) - a(n + 1), a(0) = 1, a(1) = 1, a(2) = 0, a(3) = 0,

a(4) = 0}

Sequence: A163817
Score: 6.14835
Type of gen. func.: ogf

$$(f(x) - 1) (f(x) x^4 - x^4 + f(x) x^2 - x^3 - x^2 + f(x) - x - 1)$$

Sequence: A163817
Score: 9.18041
Type of gen. func.: ogf

$$\frac{x^4 + x^3 + x^2 + x + 1}{(x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A163818
Score: 12.3043
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)\,(x^2 - x + 1)}{x^4 + x^3 + x^2 + x + 1}$$

Sequence: A163818
Score: 18.5420
Type of gen. func.: lgdogf

$$\frac{(x - 1)\,(x + 1)\,(x^4 + 3\,x^2 + 1)}{(x^2 + x + 1)\,(x^2 - x + 1)\,(x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A163818
Score: 24.2261
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^5 + x^4 + x - 1]$$

Sequence: A163818
Score: 6.55631
Type of gen. func.: ogf

$$-(f(x) - 1)\,(f(x)\,x^4 + f(x)\,x^3 - x^4 + f(x)\,x^2 + f(x)\,x - x^2 + f(x) - 1)$$

Sequence: A163827
Score: 15.7827
Type of gen. func.: lgdogf

$$-\frac{x^3 - 15\,x^2 - 81\,x - 49}{(x - 1)\,(x^3 - 9\,x^2 - 21\,x - 7)}$$

Sequence: A163827

Score: 4.13182
Type of gen. func.: ogf

$$\{(-7 n^2 - 39 n - 50) a(n + 1) + (2 n^2 - 24 n - 70) a(n + 2) + (5 n^2 + 27 n + 36) a(n + 3), a(0) = 7, a(1) = 49, a(2) = 163\}$$

Sequence: A163827
Score: 5.25085
Type of gen. func.: ogf

$$(967 f(x) + 19031) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + x^3 - 4 f(x) x - 9 x^2 + f(x) - 21 x - 7)$$

Sequence: A163827
Score: 9.69388
Type of gen. func.: ogf

$$- \frac{x^3 - 9 x^2 - 21 x - 7}{(x - 1)^4}$$

Sequence: A163829
Score: 10.1803
Type of gen. func.: ogf

$$-(47 f(x) x - f(x) + x + 1)^3$$

Sequence: A163829
Score: 5.09013
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + x^3 + x^2 + x + 1)}{1081 x^5 - 46 x^4 - 46 x^3 - 46 x^2 - 46 x + 1}$$

Sequence: A163832

Score: 10.4386
Type of gen. func.: ogf

$$-\frac{2\,x\,(x+1)\,(x-4)}{(x-1)^{4}}$$

Sequence: A163832
Score: 22.0891
Type of gen. func.: lgdogf

$$-\frac{2\,x^{2}-7\,x-19}{(x-1)\,(x-4)\,(x+1)}$$

Sequence: A163832
Score: 3.79114
Type of gen. func.: ogf

$$\{(-12-4\,n)\,a(n+4)+(21+n)\,a(n+3)+(11+4\,n)\,a(n+2)$$

$$+(-2-n)\,a(n+1),\ a(0)=0,\ a(1)=8,\ a(2)=38,\ a(3)=102\}$$

Sequence: A163832
Score: 5.21932
Type of gen. func.: ogf

$$(1162080\,f(x)+11743469)$$

$$(f(x)\,x^{4}-4\,f(x)\,x^{3}+6\,f(x)\,x^{2}+2\,x^{3}-4\,f(x)\,x-6\,x^{2}+f(x)-8\,x)$$

Sequence: A163833
Score: 19.0048
Type of gen. func.: lgdogf

$$-\frac{4\,x^{2}-17\,x-59}{(x-1)\,(2\,x^{2}-7\,x-13)}$$

Sequence: A163833
Score: 5.09039

Type of gen. func.: ogf

$$(84640 f(x) + 1115453)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 2 x^3 - 4 f(x) x - 7 x^2 + f(x) - 13 x)$$

Sequence: A163833
Score: 9.90564
Type of gen. func.: ogf

$$-\frac{x (2 x^2 - 7 x - 13)}{(x - 1)^4}$$

Sequence: A163834
Score: 16.2905
Type of gen. func.: ogf

$$-\frac{7 x - 2}{(4 x - 1) (x - 1)}$$

Sequence: A163834
Score: 17.5620
Type of gen. func.: revogf

$$-\frac{-2 - 5 x + (9 x^2 - 8 x + 4)^{1/2}}{2 (7 + 4 x)}$$

Sequence: A163834
Score: 18.4626
Type of gen. func.: lgdogf

$$-\frac{28 x^2 - 16 x + 3}{(x - 1) (4 x - 1) (7 x - 2)}$$

Sequence: A163834
Score: 8.52409
Type of gen. func.: ogf

$$(f(x) - 11) (4 f(x) x^2 - 5 f(x) x + f(x) + 7 x - 2)$$

Sequence: A163834
Score: 8.93990
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 4 a(n), a(0) = 2, a(1) = 3\}$$

Sequence: A163835
Score: 10.1803
Type of gen. func.: ogf

$$-(48 f(x) x - f(x) + x + 1)^3$$

Sequence: A163835
Score: 5.09013
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + x^3 + x^2 + x + 1)}{1128 x^5 - 47 x^4 - 47 x^3 - 47 x^2 - 47 x + 1}$$

Sequence: A163837
Score: 10.1803
Type of gen. func.: ogf

$$-(49 f(x) x - f(x) + x + 1)^3$$

Sequence: A163837
Score: 5.09013
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + x^3 + x^2 + x + 1)}{1176 x^5 - 48 x^4 - 48 x^3 - 48 x^2 - 48 x + 1}$$

Sequence: A163839
Score: 13.3084
Type of gen. func.: revogf

$$-\frac{-1 - 12 x + (16 x^2 + 24 x + 1)^{1/2}}{256 x}$$

Sequence: A163839
Score: 13.5164
Type of gen. func.: ogf

$$\frac{4 x}{(32 x - 1) (16 x - 1)}$$

Sequence: A163839
Score: 17.1722
Type of gen. func.: lgdogf

$$-\frac{16 (-3 + 64 x)}{(32 x - 1) (16 x - 1)}$$

Sequence: A163839
Score: 6.43637
Type of gen. func.: ogf

$$\{a(n + 2) - 48 a(n + 1) + 512 a(n), a(0) = 0, a(1) = 4\}$$

Sequence: A163839
Score: 8.72024
Type of gen. func.: ogf

$$-512 f(x) x^2 + 48 f(x) x - f(x) + 4 x$$

Sequence: A163864
Score: 10.701
Type of gen. func.: ogf

$$-(19 f(x) + 16) (2 f(x) x^2 - f(x) + 6 x + 1)$$

Sequence: A163864
Score: 12.2058
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A163864
Score: 19.0530
Type of gen. func.: ogf

$$-\frac{6 x + 1}{2 x^2 - 1}$$

Sequence: A163864
Score: 21.8921
Type of gen. func.: revogf

$$\frac{-1 + (8 x^2 + 24 x + 1)^{1/2}}{4 (x + 3)}$$

Sequence: A163864
Score: 22.5360
Type of gen. func.: lgdogf

$$-\frac{2 (6 x^2 + 2 x + 3)}{(6 x + 1) (2 x^2 - 1)}$$

Sequence: A163865
Score: 14.3089
Type of gen. func.: lgdogf

$$-\frac{2 (2 x - 1) (3 x^2 + 2 x + 1)}{(3 x - 1) (x + 1) (4 x^2 + x - 1)}$$

Sequence: A163868
Score: 15.9363
Type of gen. func.: ogf

$$-\frac{15x-4}{(4x-1)(x-1)}$$

Sequence: A163868
Score: 16.3645
Type of gen. func.: revogf

$$-\frac{-4-5x+(9x^2-20x+16)^{1/2}}{2(15+4x)}$$

Sequence: A163868
Score: 18.0010
Type of gen. func.: lgdogf

$$-\frac{60x^2-32x+5}{(x-1)(4x-1)(15x-4)}$$

Sequence: A163868
Score: 8.42611
Type of gen. func.: ogf

$$(7f(x)-53)(4f(x)x^2-5f(x)x+f(x)+15x-4)$$

Sequence: A163868
Score: 8.93990
Type of gen. func.: ogf

$$\{a(n+2)-5a(n+1)+4a(n), a(0)=4, a(1)=5\}$$

Sequence: A163869
Score: 22.2726

Type of gen. func.: lgdogf

$$-\frac{-7 + 5 x}{(5 x - 1) (x - 1)}$$

Sequence: A163869
Score: 3.42649
Type of gen. func.: ogf

$\{(n + 3) a(n + 3) + (-19 - 6 n) a(n + 2) + (10 + 5 n) a(n + 1), a(0) = 1,$

$a(1) = 7, a(2) = 43\}$

Sequence: A163869
Score: 8.71287
Type of gen. func.: ogf

$$125 f(x)^2 x^3 - 75 f(x)^2 x^2 + 15 f(x)^2 x - f(x)^2 - x + 1$$

Sequence: A163872
Score: 31.8120
Type of gen. func.: lgdogf

$$-\frac{5 + 3 x}{(x + 1) (3 x - 1)}$$

Sequence: A163872
Score: 4.93285
Type of gen. func.: ogf

$\{(-3 - n) a(n + 3) + (9 + 2 n) a(n + 2) + (6 + 3 n) a(n + 1), a(0) = 1,$

$a(1) = 5, a(2) = 19\}$

Sequence: A163872
Score: 8.5616
Type of gen. func.: ogf

$$-27 f(x)^2 x^3 + 27 f(x)^2 x^2 - 9 f(x)^2 x + f(x)^2 - x - 1$$

Sequence: A163876
Score: 6.36544
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)\,(x^2 - x + 1)\,(x + 1)^2}{x^6 - x^5 - x^4 - x^3 - x^2 - x + 1}$$

Sequence: A163877
Score: 5.59725
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)\,(x^2 - x + 1)\,(x + 1)^2}{3\,x^6 - 2\,x^5 - 2\,x^4 - 2\,x^3 - 2\,x^2 - 2\,x + 1}$$

Sequence: A163878
Score: 5.62270
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)\,(x^2 - x + 1)\,(x + 1)^2}{6\,x^6 - 3\,x^5 - 3\,x^4 - 3\,x^3 - 3\,x^2 - 3\,x + 1}$$

Sequence: A163888
Score: 10.0797
Type of gen. func.: revegf]

$$-1/34\ 34^{1/2}\ 17^{1/2} \left(\operatorname{arcsinh}\left(\frac{2\ 34^{1/2}}{17}\right) - \operatorname{arcsinh}\left(\frac{34^{1/2}\ (x + 2)}{17}\right)\right)$$

Sequence: A163888
Score: 11.1407
Type of gen. func.: ogf

$$(165\ f(x) - 761)\ (2\ f(x)\ x^2 - f(x) + 4\ x + 5)$$

Sequence: A163888
Score: 12.3592
Type of gen. func.: ogf

$$\{-a(n+2) + 2\,a(n),\ a(0) = 5,\ a(1) = 4\}$$

Sequence: A163888
Score: 19.2924
Type of gen. func.: ogf

$$-\frac{4x+5}{2x^2-1}$$

Sequence: A163888
Score: 22.8275
Type of gen. func.: lgdogf

$$-\frac{4(2x^2+5x+1)}{(4x+5)(2x^2-1)}$$

Sequence: A163922
Score: 5.21286
Type of gen. func.: ogf

$$\frac{(x^2+x+1)(x^2-x+1)(x+1)^2}{10x^6-4x^5-4x^4-4x^3-4x^2-4x+1}$$

Sequence: A163923
Score: 5.13440
Type of gen. func.: ogf

$$\frac{(x^2+x+1)(x^2-x+1)(x+1)^2}{15x^6-5x^5-5x^4-5x^3-5x^2-5x+1}$$

Sequence: A163924
Score: 4.95057
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)\,(x^2 - x + 1)\,(x + 1)^2}{21\,x^6 - 6\,x^5 - 6\,x^4 - 6\,x^3 - 6\,x^2 - 6\,x + 1}$$

Sequence: A163927
Score: 11.2535
Type of gen. func.: lgdogf

$$-\frac{(108\,x - 7)\,(36\,x - 7)}{(4\,x - 1)\,(36\,x - 1)\,(9\,x - 1)}$$

Sequence: A163927
Score: 12.0288
Type of gen. func.: ogf

$$-\frac{1}{(4\,x - 1)\,(36\,x - 1)\,(9\,x - 1)}$$

Sequence: A163927
Score: 4.23966
Type of gen. func.: ogf

{a(n + 3) - 49 a(n + 2) + 504 a(n + 1) - 1296 a(n), a(0) = 1, a(1) = 49,

a(2) = 1897}

Sequence: A163927
Score: 4.78924
Type of gen. func.: ogf

$$(403\,f(x) - 60)\,(1296\,f(x)\,x^3 - 504\,f(x)\,x^2 + 49\,f(x)\,x - f(x) + 1)$$

Sequence: A163933
Score: 16.4944
Type of gen. func.: lgdogf

$$-\frac{15\,(2\,x^2+12\,x+7)}{(x-1)\,(6\,x^2+28\,x+11)}$$

Sequence: A163933
Score: 6.79903
Type of gen. func.: ogf

$$-\frac{6\,x^2+28\,x+11}{(x-1)^7}$$

Sequence: A163935
Score: 16.7082
Type of gen. func.: lgdogf

$$-\frac{4\,(3\,x^2+22\,x+17)}{(x-1)\,(2\,x^2+12\,x+7)}$$

Sequence: A163935
Score: 6.09772
Type of gen. func.: ogf

$$\frac{5\,(2\,x^2+12\,x+7)}{(x-1)^8}$$

Sequence: A163941
Score: 11.4566
Type of gen. func.: ogf

$$\frac{1}{(2\,x-1)\,(x-1)\,(3\,x-1)^2}$$

Sequence: A163941
Score: 14.9539
Type of gen. func.: lgdogf

$$-\frac{24 x^2 - 31 x + 9}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A163941
Score: 4.54766
Type of gen. func.: ogf

$$(1241629 f(x) + 322560)$$

$$(18 f(x) x^4 - 39 f(x) x^3 + 29 f(x) x^2 - 9 f(x) x + f(x) - 1)$$

Sequence: A163942
Score: 10.1309
Type of gen. func.: lgdogf

$$-\frac{2 (60 x^3 - 97 x^2 + 47 x - 7)}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A163942
Score: 9.99617
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1)^2}$$

Sequence: A163943
Score: 15.9683
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 6 x^2 + 2 x + 17}{(x - 1) (x^3 - 3 x^2 + 2 x + 3)}$$

Sequence: A163943
Score: 3.75982
Type of gen. func.: ogf

$$\{(-217 n^2 - 1599 n - 2330) a(n + 1) + (335 n^2 + 1395 n + 142) a(n + 2) + (-118 n^2 - 192 n + 88) a(n + 3), a(0) = 0, a(1) = 3, a(2) = 17\}$$

Sequence: A163943
Score: 8.01545
Type of gen. func.: ogf

$$-\frac{x (x^3 - 3 x^2 + 2 x + 3)}{(x - 1)^5}$$

Sequence: A163944
Score: 5.67825
Type of gen. func.: ogf

$$\frac{x (x^5 - 3 x^4 - x^3 + 13 x^2 - 21 x - 4)}{(x - 1)^7}$$

Sequence: A163944
Score: 9.60589
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 4 x^4 - 16 x^3 + 62 x^2 - 100 x - 49}{(x - 1) (x^5 - 3 x^4 - x^3 + 13 x^2 - 21 x - 4)}$$

Sequence: A163953
Score: 5.20445
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^2 - x + 1) (x + 1)^2}{28 x^6 - 7 x^5 - 7 x^4 - 7 x^3 - 7 x^2 - 7 x + 1}$$

Sequence: A163954
Score: 4.86581
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)(x^2 - x + 1)(x + 1)^2}{36 x^6 - 8 x^5 - 8 x^4 - 8 x^3 - 8 x^2 - 8 x + 1}$$

Sequence: A163955
Score: 11.099
Type of gen. func.: ogf

$$(10 f(x) x - f(x) + x + 1)^3$$

Sequence: A163955
Score: 4.70297
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)(x^2 - x + 1)(x + 1)^2}{45 x^6 - 9 x^5 - 9 x^4 - 9 x^3 - 9 x^2 - 9 x + 1}$$

Sequence: A163957
Score: 11.099
Type of gen. func.: ogf

$$(11 f(x) x - f(x) + x + 1)^3$$

Sequence: A163957
Score: 4.51180
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)(x^2 - x + 1)(x + 1)^2}{55 x^6 - 10 x^5 - 10 x^4 - 10 x^3 - 10 x^2 - 10 x + 1}$$

Sequence: A163958
Score: 10.0296
Type of gen. func.: ogf

$$(12 f(x) x - f(x) + x + 1)^3$$

Sequence: A163958
Score: 4.07706
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^2 - x + 1) (x + 1)^2}{66 x^6 - 11 x^5 - 11 x^4 - 11 x^3 - 11 x^2 - 11 x + 1}$$

Sequence: A163959
Score: 10.2562
Type of gen. func.: ogf

$$(13 f(x) x - f(x) + x + 1)^3$$

Sequence: A163959
Score: 4.16920
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^2 - x + 1) (x + 1)^2}{78 x^6 - 12 x^5 - 12 x^4 - 12 x^3 - 12 x^2 - 12 x + 1}$$

Sequence: A163962
Score: 10.5396
Type of gen. func.: ogf

$$(14 f(x) x - f(x) + x + 1)^3$$

Sequence: A163962
Score: 4.28437
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^2 - x + 1) (x + 1)^2}{91 x^6 - 13 x^5 - 13 x^4 - 13 x^3 - 13 x^2 - 13 x + 1}$$

Sequence: A163964
Score: 10.7095
Type of gen. func.: ogf

$$(15 f(x) x - f(x) + x + 1)^3$$

Sequence: A163964
Score: 4.31836
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^2 - x + 1) (x + 1)^2}{105 x^6 - 14 x^5 - 14 x^4 - 14 x^3 - 14 x^2 - 14 x + 1}$$

Sequence: A163965
Score: 10.9929
Type of gen. func.: ogf

$$(16 f(x) x - f(x) + x + 1)^3$$

Sequence: A163965
Score: 4.43260
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^2 - x + 1) (x + 1)^2}{120 x^6 - 15 x^5 - 15 x^4 - 15 x^3 - 15 x^2 - 15 x + 1}$$

Sequence: A163967
Score: 11.1629
Type of gen. func.: ogf

$$(17 f(x) x - f(x) + x + 1)^3$$

Sequence: A163967
Score: 4.50115
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^2 - x + 1) (x + 1)^2}{136 x^6 - 16 x^5 - 16 x^4 - 16 x^3 - 16 x^2 - 16 x + 1}$$

Sequence: A163968
Score: 4.00237
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^2 - x + 1) (x + 1)^2}{153 x^6 - 17 x^5 - 17 x^4 - 17 x^3 - 17 x^2 - 17 x + 1}$$

Sequence: A163968
Score: 9.92587
Type of gen. func.: ogf

$$(18 f(x) x - f(x) + x + 1)^3$$

Sequence: A163969
Score: 10.0368
Type of gen. func.: ogf

$$(19 f(x) x - f(x) + x + 1)^3$$

Sequence: A163969
Score: 4.04709
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^2 - x + 1) (x + 1)^2}{171 x^6 - 18 x^5 - 18 x^4 - 18 x^3 - 18 x^2 - 18 x + 1}$$

Sequence: A163977
Score: 10.2031
Type of gen. func.: ogf

$$(20 f(x) x - f(x) + x + 1)^3$$

Sequence: A163977
Score: 4.11417
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^2 - x + 1) (x + 1)^2}{190 x^6 - 19 x^5 - 19 x^4 - 19 x^3 - 19 x^2 - 19 x + 1}$$

Sequence: A163978
Score: 11.1407
Type of gen. func.: ogf

$$(51 f(x) - 89) (2 f(x) x^2 - f(x) + 4 x + 3)$$

Sequence: A163978
Score: 12.0111
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n), a(0) = 3, a(1) = 4\}$$

Sequence: A163978
Score: 13.4617
Type of gen. func.: revegf]

$$1/2\ 2^{1/2} (-\operatorname{arcsinh}(2\ 2^{1/2}) + \operatorname{arcsinh}(2^{1/2} (x + 2)))$$

Sequence: A163978
Score: 18.7490
Type of gen. func.: ogf

$$-\frac{4 x + 3}{2 x^{2} - 1}$$

Sequence: A163978
Score: 22.1722
Type of gen. func.: lgdogf

$$-\frac{4 (x + 1) (2 x + 1)}{(4 x + 3) (2 x^{2} - 1)}$$

Sequence: A163979
Score: 11.7424
Type of gen. func.: lgdogf

$$-\frac{5 x^{6} + 8 x^{5} + 8 x^{4} + 22 x^{3} + 4 x^{2} + 4 x + 3}{(x - 1) (x^{2} + x + 1) (5 x^{4} - x^{3} + x + 1)}$$

Sequence: A163979
Score: 9.99432
Type of gen. func.: ogf

$$-\frac{5 x^{4} - x^{3} + x + 1}{(x^{2} + x + 1) (x - 1)^{3}}$$

Sequence: A163980
Score: 14.6294
Type of gen. func.: ogf

$$-\frac{x^{2} - 4 x - 1}{(x + 1) (x - 1)^{2}}$$

Sequence: A163980
Score: 20.3636

Type of gen. func.: lgdogf

$$-\frac{x^3 - 7x^2 - 5x - 5}{(x - 1)(x + 1)(x^2 - 4x - 1)}$$

Sequence: A163980
Score: 7.69307
Type of gen. func.: ogf

$$-(4 f(x) + 21)(f(x) x^3 - f(x) x^2 - f(x) x + x^2 + f(x) - 4x - 1)$$

Sequence: A163980
Score: 7.96781
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 5, a(2) = 5\}$$

Sequence: A163985
Score: 12.6087
Type of gen. func.: ogf

$$-\frac{x (x^3 - 2x^2 - 1)}{(x - 1)^2}$$

Sequence: A163985
Score: 19.0950
Type of gen. func.: lgdogf

$$\frac{x^3 - 3x^2 + 4x + 2}{(x - 1)(x^3 - 2x^2 - 1)}$$

Sequence: A163985
Score: 6.84475
Type of gen. func.: ogf

$$-(68 f(x) - 1621) (x^4 + f(x) x^2 - 2 x^3 - 2 f(x) x + f(x) - x)$$

Sequence: A163988
Score: 10.2586
Type of gen. func.: ogf

$$(21 f(x) x - f(x) + x + 1)^3$$

Sequence: A163988
Score: 4.13652
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^2 - x + 1) (x + 1)^2}{210 x^6 - 20 x^5 - 20 x^4 - 20 x^3 - 20 x^2 - 20 x + 1}$$

Sequence: A163989
Score: 7.50950
Type of gen. func.: ogf

$$-\frac{(18 x^3 + x^2 + 26 x + 1) (x^4 + 4 x^2 + 1)}{(x - 1)^3 (x + 1)^3}$$

Sequence: A163989
Score: 8.10819
Type of gen. func.: lgdogf

$$\frac{2 (9 x^8 - 112 x^6 - 8 x^5 - 428 x^4 - 20 x^3 - 248 x^2 - 8 x - 13)}{(x - 1) (x + 1) (18 x^3 + x^2 + 26 x + 1) (x^4 + 4 x^2 + 1)}$$

Sequence: A163991
Score: 13.7004
Type of gen. func.: ogf

$$(22 f(x) x - f(x) + x + 1)^3$$

Sequence: A163991
Score: 4.24832
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^2 - x + 1) (x + 1)^2}{231 x^6 - 21 x^5 - 21 x^4 - 21 x^3 - 21 x^2 - 21 x + 1}$$

Sequence: A163992
Score: 10.5913
Type of gen. func.: ogf

$$(23 f(x) x - f(x) + x + 1)^3$$

Sequence: A163992
Score: 4.27069
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^2 - x + 1) (x + 1)^2}{253 x^6 - 22 x^5 - 22 x^4 - 22 x^3 - 22 x^2 - 22 x + 1}$$

Sequence: A163993
Score: 10.7022
Type of gen. func.: ogf

$$(24 f(x) x - f(x) + x + 1)^3$$

Sequence: A163993
Score: 4.31540
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^2 - x + 1) (x + 1)^2}{276 x^6 - 23 x^5 - 23 x^4 - 23 x^3 - 23 x^2 - 23 x + 1}$$

Sequence: A163995
Score: 14.105
Type of gen. func.: ogf

$$(25 f(x) x - f(x) + x + 1)^3$$

Sequence: A163995
Score: 4.36012
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^2 - x + 1) (x + 1)^2}{300 x^6 - 24 x^5 - 24 x^4 - 24 x^3 - 24 x^2 - 24 x + 1}$$

Sequence: A164001
Score: 11.3526
Type of gen. func.: ogf

$$- \frac{(x^2 + x + 1) (x + 1)}{x^3 + x^2 - 1}$$

Sequence: A164001
Score: 13.8996
Type of gen. func.: lgdogf

$$- \frac{x^4 + 4 x^3 + 8 x^2 + 6 x + 2}{(x + 1) (x^2 + x + 1) (x^3 + x^2 - 1)}$$

Sequence: A164001
Score: 6.47296
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 2) + a(n + 1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 4\}$$

Sequence: A164001
Score: 7.02778
Type of gen. func.: ogf

$$-(7 f(x) - 2) (f(x) x^3 + f(x) x^2 + x^3 + 2 x^2 - f(x) + 2 x + 1)$$

Sequence: A164004
Score: 11.2538
Type of gen. func.: ogf

$$\frac{x (x^3 - 3 x^2 + 5 x - 5)}{(x - 1)^3}$$

Sequence: A164004
Score: 23.1368
Type of gen. func.: lgdogf

$$-\frac{2 (-5 + 2 x)}{(x - 1) (x^3 - 3 x^2 + 5 x - 5)}$$

Sequence: A164004
Score: 5.62688
Type of gen. func.: ogf

$$\{a(n + 5) - 3 a(n + 4) + 3 a(n + 3) - a(n + 2), a(0) = 0, a(1) = 5, a(2) = 10,$$

$$a(3) = 18, a(4) = 28\}$$

Sequence: A164004
Score: 6.31942
Type of gen. func.: ogf

$$-(43 f(x) - 857)$$

$$(f(x) x^3 - x^4 - 3 f(x) x^2 + 3 x^3 + 3 f(x) x - 5 x^2 - f(x) + 5 x)$$

Sequence: A164005
Score: 11.3073
Type of gen. func.: ogf

$$\frac{x (2 x^4 - 4 x^3 + 7 x - 7)}{(x - 1)^3}$$

Sequence: A164005
Score: 15.9549
Type of gen. func.: lgdogf

$$\frac{2 (x^4 - 4 x^3 + 6 x^2 - 7 x + 7)}{(x - 1) (2 x^4 - 4 x^3 + 7 x - 7)}$$

Sequence: A164006
Score: 8.16922
Type of gen. func.: ogf

$$\frac{x (8 x^6 - 21 x^5 + 23 x^4 - 18 x^3 + 6 x^2 + 11 x - 11)}{(x - 1)^3}$$

Sequence: A164006
Score: 8.64762
Type of gen. func.: lgdogf

$$\frac{2 (12 x^6 - 45 x^5 + 64 x^4 - 46 x^3 + 24 x^2 - 17 x + 11)}{(x - 1) (8 x^6 - 21 x^5 + 23 x^4 - 18 x^3 + 6 x^2 + 11 x - 11)}$$

Sequence: A164007
Score: 6.55108
Type of gen. func.: lgdogf

$$\frac{2 (15 x^8 - 60 x^7 + 108 x^6 - 126 x^5 + 104 x^4 - 56 x^3 + 24 x^2 - 19 x + 13)}{(x - 1) (6 x^8 - 18 x^7 + 30 x^6 - 36 x^5 + 28 x^4 - 18 x^3 + 6 x^2 + 13 x - 13)}$$

Sequence: A164007
Score: 6.97643
Type of gen. func.: ogf

$$\frac{x (6 x^8 - 18 x^7 + 30 x^6 - 36 x^5 + 28 x^4 - 18 x^3 + 6 x^2 + 13 x - 13)}{(x - 1)^3}$$

Sequence: A164008
Score: 5.44855
Type of gen. func.: ogf

$$x (9 x^{11} - 19 x^{10} + 3 x^9 + 39 x^8 - 75 x^7 + 81 x^6 - 72 x^5 + 56 x^4 - 36 x^3 + 12 x^2 + 17 x - 17) / (x - 1)^3$$

Sequence: A164009
Score: 4.58370
Type of gen. func.: ogf

$$x (24 x^{14} - 72 x^{13} + 82 x^{12} - 45 x^{11} + 11 x^{10} - 7 x^9 + 45 x^8 - 88 x^7 + 88 x^6 - 66 x^5 + 38 x^4 - 18 x^3 + 6 x^2 + 19 x - 19) / (x - 1)^3$$

Sequence: A164013
Score: 11.7645
Type of gen. func.: ogf

$$- \frac{3 (x^2 + x + 1)}{(x - 1)^3}$$

Sequence: A164013
Score: 16.3414
Type of gen. func.: revogf

$$- \frac{-2 (3 x + 1)^{(1/3)} + (3 x + 1)^{(2/3)} - x + 1}{}$$

$$x + 3$$

Sequence: A164013
Score: 28.5202
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^2 + 4]$$

Sequence: A164013
Score: 29.2784
Type of gen. func.: lgdogf

$$-\frac{(x + 2)^2}{(x - 1) (x^2 + x + 1)}$$

Sequence: A164013
Score: 6.24028
Type of gen. func.: ogf

$$-(f(x) - 3) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) + 3 x + 3)$$

Sequence: A164013
Score: 6.29503
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3, a(1) = 12, a(2) = 30\}$$

Sequence: A164014
Score: 7.62395
Type of gen. func.: lgdogf

$$-\frac{x + 5}{(x - 1) (x + 1)}$$

Sequence: A164015
Score: 11.5816

Type of gen. func.: ogf

$$-\frac{5(x^2+3x+1)}{(x-1)^3}$$

Sequence: A164015
Score: 23.4468
Type of gen. func.: lgdogf

$$-\frac{x^2+8x+6}{(x-1)(x^2+3x+1)}$$

Sequence: A164015
Score: 6.29875
Type of gen. func.: ogf

$$\{a(n+3)-3a(n+2)+3a(n+1)-a(n),\ a(0)=5,\ a(1)=30,\ a(2)=80\}$$

Sequence: A164015
Score: 6.3545
Type of gen. func.: ogf

$$(6f(x)-65)(f(x)x^3-3f(x)x^2+3f(x)x+5x^2-f(x)+15x+5)$$

Sequence: A164016
Score: 11.5581
Type of gen. func.: ogf

$$-\frac{6(x^2+4x+1)}{(x-1)^3}$$

Sequence: A164016
Score: 22.6469
Type of gen. func.: lgdogf

$$-\frac{x^2 + 10 x + 7}{(x - 1) (x^2 + 4 x + 1)}$$

Sequence: A164016
Score: 6.23134
Type of gen. func.: ogf

$$(29 f(x) - 480) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 6 x^2 - f(x) + 24 x + 6)$$

Sequence: A164016
Score: 6.23135
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 6, a(1) = 42, a(2) = 114\}$$

Sequence: A164017
Score: 10.924
Type of gen. func.: ogf

$$(26 f(x) x - f(x) + x + 1)^3$$

Sequence: A164017
Score: 4.40484
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^2 - x + 1) (x + 1)^2}{325 x^6 - 25 x^5 - 25 x^4 - 25 x^3 - 25 x^2 - 25 x + 1}$$

Sequence: A164021
Score: 12.9815
Type of gen. func.: ogf

$$-\frac{14 x - 3}{34 x^2 - 12 x + 1}$$

Sequence: A164021
Score: 13.2854
Type of gen. func.: lgdogf

$$-\frac{2\,(238\,x^2 - 102\,x + 11)}{(14\,x - 3)\,(34\,x^2 - 12\,x + 1)}$$

Sequence: A164021
Score: 13.8893
Type of gen. func.: revogf

$$-\frac{-3 - 12\,x + (8\,x^2 + 16\,x + 9)^{1/2}}{4\,(7 + 17\,x)}$$

Sequence: A164021
Score: 6.62885
Type of gen. func.: ogf

$$-(15\,f(x) + 76)\,(34\,f(x)\,x^2 - 12\,f(x)\,x + f(x) + 14\,x - 3)$$

Sequence: A164021
Score: 7.33073
Type of gen. func.: ogf

$$\{a(n + 2) - 12\,a(n + 1) + 34\,a(n),\ a(0) = 3,\ a(1) = 22\}$$

Sequence: A164025
Score: 11.0904
Type of gen. func.: ogf

$$(27\,f(x)\,x - f(x) + x + 1)^3$$

Sequence: A164025
Score: 4.47192
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)(x^2 - x + 1)(x + 1)^2}{351 x^6 - 26 x^5 - 26 x^4 - 26 x^3 - 26 x^2 - 26 x + 1}$$

Sequence: A164026
Score: 11.1458
Type of gen. func.: ogf

$$(28 f(x) x - f(x) + x + 1)^3$$

Sequence: A164026
Score: 4.49428
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)(x^2 - x + 1)(x + 1)^2}{378 x^6 - 27 x^5 - 27 x^4 - 27 x^3 - 27 x^2 - 27 x + 1}$$

Sequence: A164027
Score: 11.2567
Type of gen. func.: ogf

$$(29 f(x) x - f(x) + x + 1)^3$$

Sequence: A164027
Score: 4.53900
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)(x^2 - x + 1)(x + 1)^2}{406 x^6 - 28 x^5 - 28 x^4 - 28 x^3 - 28 x^2 - 28 x + 1}$$

Sequence: A164030
Score: 11.3122
Type of gen. func.: ogf

^{3}

$$(30 f(x) x - f(x) + x + 1)$$

Sequence: A164030
Score: 4.56135
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^2 - x + 1) (x + 1)^2}{435 x^6 - 29 x^5 - 29 x^4 - 29 x^3 - 29 x^2 - 29 x + 1}$$

Sequence: A164031
Score: 12.1104
Type of gen. func.: ogf

$$-\frac{2 x - 1}{23 x^2 - 10 x + 1}$$

Sequence: A164031
Score: 12.6638
Type of gen. func.: revogf

$$-\frac{-1 - 10 x + (8 x^2 + 12 x + 1)^{1/2}}{2 (2 + 23 x)}$$

Sequence: A164031
Score: 13.2668
Type of gen. func.: lgdogf

$$-\frac{2 (23 x^2 - 23 x + 4)}{(2 x - 1) (23 x^2 - 10 x + 1)}$$

Sequence: A164031
Score: 6.39538
Type of gen. func.: ogf

$$(17 f(x) + 15) (23 f(x) x^2 - 10 f(x) x + f(x) + 2 x - 1)$$

Sequence: A164031
Score: 6.77606
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 23 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A164033
Score: 13.1198
Type of gen. func.: ogf

$$-\frac{3 x - 2}{7 x^2 - 6 x + 1}$$

Sequence: A164033
Score: 14.8211
Type of gen. func.: revogf

$$-\frac{-1 - 3 x + ((x + 1) (2 x + 1))^{1/2}}{3 + 7 x}$$

Sequence: A164033
Score: 15.2112
Type of gen. func.: lgdogf

$$-\frac{21 x^2 - 28 x + 9}{(3 x - 2) (7 x^2 - 6 x + 1)}$$

Sequence: A164033
Score: 6.78608
Type of gen. func.: ogf

$$(26 f(x) + 29) (7 f(x) x^2 - 6 f(x) x + f(x) + 3 x - 2)$$

Sequence: A164033
Score: 7.19987
Type of gen. func.: ogf

$$\{-a(n+2) + 6\,a(n+1) - 7\,a(n),\ a(0) = 2,\ a(1) = 9\}$$

Sequence: A164034
Score: 12.9061
Type of gen. func.: ogf

$$-\frac{5x - 2}{14x^2 - 8x + 1}$$

Sequence: A164034
Score: 14.5376
Type of gen. func.: revogf

$$-\frac{-1 - 4x + ((x + 1)(2x + 1))^{1/2}}{5 + 14x}$$

Sequence: A164034
Score: 14.5376
Type of gen. func.: lgdogf

$$-\frac{70x^2 - 56x + 11}{(5x - 2)(14x^2 - 8x + 1)}$$

Sequence: A164034
Score: 6.74638
Type of gen. func.: ogf

$$(32 f(x) + 57)(14 f(x) x^2 - 8 f(x) x + f(x) + 5x - 2)$$

Sequence: A164034
Score: 7.06763
Type of gen. func.: ogf

$\{-a(n + 2) + 8 a(n + 1) - 14 a(n), a(0) = 2, a(1) = 11\}$

Sequence: A164035
Score: 12.2379
Type of gen. func.: ogf

$$-\frac{7 x - 2}{23 x^2 - 10 x + 1}$$

Sequence: A164035
Score: 13.4095
Type of gen. func.: lgdogf

$$-\frac{161 x^2 - 92 x + 13}{(7 x - 2) (23 x^2 - 10 x + 1)}$$

Sequence: A164035
Score: 14.0799
Type of gen. func.: revogf

$$-\frac{-1 - 5 x + ((x + 1) (2 x + 1))^{1/2}}{7 + 23 x}$$

Sequence: A164035
Score: 6.4627
Type of gen. func.: ogf

$$(38 f(x) + 93) (23 f(x) x^2 - 10 f(x) x + f(x) + 7 x - 2)$$

Sequence: A164035
Score: 6.76682
Type of gen. func.: ogf

$\{-a(n + 2) + 10 a(n + 1) - 23 a(n), a(0) = 2, a(1) = 13\}$

Sequence: A164036
Score: 12.9761
Type of gen. func.: ogf

$$(31 f(x) x - f(x) + x + 1)^3$$

Sequence: A164036
Score: 4.56135
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^2 - x + 1) (x + 1)^2}{465 x^6 - 30 x^5 - 30 x^4 - 30 x^3 - 30 x^2 - 30 x + 1}$$

Sequence: A164037
Score: 13.6693
Type of gen. func.: ogf

$$-\frac{9 x - 5}{7 x^2 - 6 x + 1}$$

Sequence: A164037
Score: 14.0175
Type of gen. func.: revogf

$$-\frac{-5 - 6 x + (8 x^2 + 24 x + 25)^{1/2}}{2 (9 + 7 x)}$$

Sequence: A164037
Score: 15.4552
Type of gen. func.: lgdogf

$$-\frac{7 (9 x^2 - 10 x + 3)}{(9 x - 5) (7 x^2 - 6 x + 1)}$$

Sequence: A164037
Score: 6.5438
Type of gen. func.: ogf

$$-(530 f(x) + 1319) (7 f(x) x^2 - 6 f(x) x + f(x) + 9 x - 5)$$

Sequence: A164037
Score: 7.41105
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 7 a(n), a(0) = 5, a(1) = 21\}$$

Sequence: A164038
Score: 12.4822
Type of gen. func.: ogf

$$-\frac{19 x - 5}{23 x^2 - 10 x + 1}$$

Sequence: A164038
Score: 12.7644
Type of gen. func.: revogf

$$-\frac{-5 - 10 x + (8 x^2 + 24 x + 25)^{1/2}}{2 (19 + 23 x)}$$

Sequence: A164038
Score: 13.3446
Type of gen. func.: lgdogf

$$-\frac{437 x^2 - 230 x + 31}{(19 x - 5) (23 x^2 - 10 x + 1)}$$

Sequence: A164038
Score: 6.3068
Type of gen. func.: ogf

$$-(80 f(x) + 561) (23 f(x) x^2 - 10 f(x) x + f(x) + 19 x - 5)$$

Sequence: A164038
Score: 7.04878
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 23 a(n), a(0) = 5, a(1) = 31\}$$

Sequence: A164039
Score: 10.5899
Type of gen. func.: ogf

$$-\frac{x^2 - 3 x + 1}{(3 x - 1) (x - 1)^2}$$

Sequence: A164039
Score: 12.6560
Type of gen. func.: lgdogf

$$-\frac{3 x^3 - 15 x^2 + 10 x - 2}{(x - 1) (3 x - 1) (x^2 - 3 x + 1)}$$

Sequence: A164039
Score: 5.61725
Type of gen. func.: ogf

$$-(2 f(x) + 1) (3 f(x) x^3 - 7 f(x) x^2 + 5 f(x) x + x^2 - f(x) - 3 x + 1)$$

Sequence: A164039
Score: 5.76772
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 7 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A164044
Score: 10.3677
Type of gen. func.: ogf

$$-\frac{x^2 - 3 x + 1}{(4 x - 1) (x - 1)^2}$$

Sequence: A164044
Score: 12.3944
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 20 x^2 + 13 x - 3}{(x - 1) (4 x - 1) (x^2 - 3 x + 1)}$$

Sequence: A164044
Score: 5.49941
Type of gen. func.: ogf

$$(489 f(x) + 215) (4 f(x) x^3 - 9 f(x) x^2 + 6 f(x) x + x^2 - f(x) - 3 x + 1)$$

Sequence: A164044
Score: 5.59674
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 9 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 3, a(2) = 10\}$$

Sequence: A164045
Score: 12.0487
Type of gen. func.: lgdogf

$$-\frac{5 x^3 - 25 x^2 + 16 x - 4}{(x - 1) (5 x - 1) (x^2 - 3 x + 1)}$$

Sequence: A164045
Score: 5.02294
Type of gen. func.: ogf

$$-(709 f(x) + 251) (5 f(x) x^3 - 11 f(x) x^2 + 7 f(x) x + x^2 - f(x) - 3 x + 1)$$

Sequence: A164045
Score: 5.28731
Type of gen. func.: ogf

{a(n + 3) - 7 a(n + 2) + 11 a(n + 1) - 5 a(n), a(0) = 1, a(1) = 4, a(2) = 18}

Sequence: A164045
Score: 9.72182
Type of gen. func.: ogf

$$-\frac{x^2 - 3 x + 1}{(5 x - 1) (x - 1)^2}$$

Sequence: A164046
Score: 10.0024
Type of gen. func.: ogf

$$-\frac{110 x^2 + 9 x - 11}{(10 x - 1) (10 x^2 - 1)}$$

Sequence: A164046
Score: 5.31379
Type of gen. func.: ogf

$$-(891 f(x) + 10601)$$

$$(100 f(x) x^3 - 10 f(x) x^2 - 10 f(x) x + 110 x^2 + f(x) + 9 x - 11)$$

Sequence: A164046
Score: 5.57513
Type of gen. func.: ogf

{a(n + 3) - 10 a(n + 2) - 10 a(n + 1) + 100 a(n), a(0) = 11, a(1) = 101,

a(2) = 1010}

Sequence: A164046
Score: 9.41391
Type of gen. func.: lgdogf

$$-\frac{11000 x^4 + 1800 x^3 - 2290 x^2 + 101}{(10 x - 1) (10 x^2 - 1) (110 x^2 + 9 x - 11)}$$

Sequence: A164049
Score: 11.7003
Type of gen. func.: ogf

$$(32 f(x) x - f(x) + x + 1)^3$$

Sequence: A164049
Score: 4.71787
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^2 - x + 1) (x + 1)^2}{496 x^6 - 31 x^5 - 31 x^4 - 31 x^3 - 31 x^2 - 31 x + 1}$$

Sequence: A164050
Score: 11.7003
Type of gen. func.: ogf

$$(33 f(x) x - f(x) + x + 1)^3$$

Sequence: A164050
Score: 4.71787
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^2 - x + 1) (x + 1)^2}{528 x^6 - 32 x^5 - 32 x^4 - 32 x^3 - 32 x^2 - 32 x + 1}$$

Sequence: A164051
Score: 10.2931
Type of gen. func.: revegf]

$$\frac{1}{4}\ln(2x+3)-\frac{1}{2}\operatorname{arctanh}\left((16x+25)^{1/2}\right)-\frac{1}{4}\ln(3)+\frac{1}{2}\operatorname{arctanh}(5)$$

Sequence: A164051
Score: 15.2685
Type of gen. func.: ogf

$$-\frac{12x-5}{(4x-1)(2x-1)}$$

Sequence: A164051
Score: 15.6736
Type of gen. func.: lgdogf

$$-\frac{2(48x^2-40x+9)}{(12x-5)(2x-1)(4x-1)}$$

Sequence: A164051
Score: 7.71813
Type of gen. func.: ogf

$$-(7f(x)+46)(8f(x)x^2-6f(x)x+f(x)+12x-5)$$

Sequence: A164051
Score: 8.46204
Type of gen. func.: ogf

$$\{a(n+2)-6a(n+1)+8a(n), a(0)=5, a(1)=18\}$$

Sequence: A164053
Score: 14.3777
Type of gen. func.: ogf

$$\frac{2x + 3}{(x - 1)(2x^2 - 1)}$$

Sequence: A164053
Score: 15.9014
Type of gen. func.: lgdogf

$$-\frac{8x^3 + 14x^2 - 12x - 5}{(x - 1)(2x + 3)(2x^2 - 1)}$$

Sequence: A164053
Score: 6.74354
Type of gen. func.: ogf

$\{a(n + 3) - a(n + 2) - 2 a(n + 1) + 2 a(n), a(0) = 3, a(1) = 5, a(2) = 11\}$

Sequence: A164053
Score: 6.80376
Type of gen. func.: ogf

$$-(267 f(x) + 1706) (2 f(x) x^3 - 2 f(x) x^2 - f(x) x + f(x) - 2 x - 3)$$

Sequence: A164055
Score: 4.56136
Type of gen. func.: ogf

$$(186524 f(x) - 44899)$$

$$(f(x) x^3 - 35 f(x) x^2 + 35 f(x) x + 10 x^2 - f(x) - 25 x + 1)$$

Sequence: A164055
Score: 4.83426
Type of gen. func.: ogf

$\{-a(n + 3) + 35 a(n + 2) - 35 a(n + 1) + a(n), a(0) = 1, a(1) = 10, a(2) = 325\}$

Sequence: A164055
Score: 8.27639
Type of gen. func.: lgdogf

$$-\frac{2\,(5x^4-25x^3+264x^2-25x+5)}{(x-1)\,(10x^2-25x+1)\,(x^2-34x+1)}$$

Sequence: A164055
Score: 8.70166
Type of gen. func.: ogf

$$-\frac{10x^2-25x+1}{(x-1)\,(x^2-34x+1)}$$

Sequence: A164068
Score: 11.7003
Type of gen. func.: ogf

$$(34\,f(x)\,x-f(x)+x+1)^3$$

Sequence: A164068
Score: 4.71787
Type of gen. func.: ogf

$$\frac{(x^2+x+1)\,(x^2-x+1)\,(x+1)^2}{561x^6-33x^5-33x^4-33x^3-33x^2-33x+1}$$

Sequence: A164069
Score: 11.8112
Type of gen. func.: ogf

$$(35\,f(x)\,x-f(x)+x+1)^3$$

Sequence: A164069

Score: 4.76260
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)(x^2 - x + 1)(x + 1)^2}{595 x^6 - 34 x^5 - 34 x^4 - 34 x^3 - 34 x^2 - 34 x + 1}$$

Sequence: A164070
Score: 10.2906
Type of gen. func.: ogf

$$(36 f(x) x - f(x) + x + 1)^3$$

Sequence: A164070
Score: 4.14944
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)(x^2 - x + 1)(x + 1)^2}{630 x^6 - 35 x^5 - 35 x^4 - 35 x^3 - 35 x^2 - 35 x + 1}$$

Sequence: A164071
Score: 10.2906
Type of gen. func.: ogf

$$(37 f(x) x - f(x) + x + 1)^3$$

Sequence: A164071
Score: 4.14944
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)(x^2 - x + 1)(x + 1)^2}{666 x^6 - 36 x^5 - 36 x^4 - 36 x^3 - 36 x^2 - 36 x + 1}$$

Sequence: A164072
Score: 12.7076
Type of gen. func.: ogf

$$-\frac{x-1}{14x^2-8x+1}$$

Sequence: A164072
Score: 13.3109
Type of gen. func.: revogf

$$-\frac{-1-8x+(8x^2+12x+1)^{1/2}}{2(1+14x)}$$

Sequence: A164072
Score: 15.4695
Type of gen. func.: lgdogf

$$-\frac{7(2x^2-4x+1)}{(x-1)(14x^2-8x+1)}$$

Sequence: A164072
Score: 6.64259
Type of gen. func.: ogf

$$(22f(x)+27)(14f(x)x^2-8f(x)x+f(x)+x-1)$$

Sequence: A164072
Score: 7.04275
Type of gen. func.: ogf

$$\{-a(n+2)+8a(n+1)-14a(n), a(0)=1, a(1)=7\}$$

Sequence: A164073
Score: 11.5102
Type of gen. func.: ogf

$$-(11f(x)+5)(2f(x)x^2-f(x)+3x+1)$$

Sequence: A164073
Score: 12.9490
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A164073
Score: 20.2131
Type of gen. func.: ogf

$$-\frac{3 x + 1}{2 x^2 - 1}$$

Sequence: A164073
Score: 21.9892
Type of gen. func.: revogf

$$\frac{-1 + (8 x^2 + 12 x + 1)^{1/2}}{2 (2 x + 3)}$$

Sequence: A164073
Score: 25.4250
Type of gen. func.: lgdogf

$$-\frac{6 x^2 + 4 x + 3}{(3 x + 1) (2 x^2 - 1)}$$

Sequence: A164080
Score: 11.4947
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - 16 x^2 - 35 x + 18)}{(x - 1) (x + 1) (x^2 - 34 x + 1)}$$

Sequence: A164080
Score: 4.87011
Type of gen. func.: ogf

$$\{a(n + 3) - 35 a(n + 2) + 35 a(n + 1) - a(n), a(0) = 0, a(1) = 9, a(2) = 324\}$$

Sequence: A164080
Score: 5.13819
Type of gen. func.: ogf

$$(4 f(x) + 1) (f(x) x^3 - 35 f(x) x^2 + 35 f(x) x + 9 x^2 - f(x) + 9 x)$$

Sequence: A164080
Score: 9.49259
Type of gen. func.: ogf

$$- \frac{9 (x + 1) x}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A164084
Score: 10.3989
Type of gen. func.: ogf

$$(38 f(x) x - f(x) + x + 1)^3$$

Sequence: A164084
Score: 4.19311
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^2 - x + 1) (x + 1)^2}{703 x^6 - 37 x^5 - 37 x^4 - 37 x^3 - 37 x^2 - 37 x + 1}$$

Sequence: A164085
Score: 10.4531
Type of gen. func.: ogf

$$(39 f(x) x - f(x) + x + 1)^3$$

Sequence: A164085
Score: 4.21495
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^2 - x + 1) (x + 1)^2}{741 x^6 - 38 x^5 - 38 x^4 - 38 x^3 - 38 x^2 - 38 x + 1}$$

Sequence: A164090
Score: 10.0819
Type of gen. func.: revegf]

$$- \frac{(3 + 2 2^{1/2}) (\ln(3/2 + 2^{1/2}) - \ln(x + 3/2 + ((x + 2) (x + 1))^{1/2}))}{4 + 3 2^{1/2}}$$

Sequence: A164090
Score: 11.6593
Type of gen. func.: ogf

$$(8 f(x) - 7) (2 f(x) x^2 - f(x) + 3 x + 2)$$

Sequence: A164090
Score: 12.2058
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n), a(0) = 2, a(1) = 3\}$$

Sequence: A164090
Score: 19.0530
Type of gen. func.: ogf

$$- \frac{3 x + 2}{2 x^2 - 1}$$

Sequence: A164090
Score: 23.9444
Type of gen. func.: lgdogf

$$-\frac{6x^2+8x+3}{(3x+2)(2x^2-1)}$$

Sequence: A164091
Score: 10.5614
Type of gen. func.: ogf

$$(40 f(x) x - f(x) + x + 1)^3$$

Sequence: A164091
Score: 4.25863
Type of gen. func.: ogf

$$\frac{(x^2+x+1)(x^2-x+1)(x+1)^2}{780x^6-39x^5-39x^4-39x^3-39x^2-39x+1}$$

Sequence: A164093
Score: 12.4372
Type of gen. func.: ogf

$$-\frac{2(22x-19)}{(4x-1)(x-1)}$$

Sequence: A164093
Score: 12.4428
Type of gen. func.: revogf

$$-\frac{-38-5x+(9x^2+204x+1444)^{1/2}}{8(11+x)}$$

Sequence: A164093
Score: 13.3109
Type of gen. func.: lgdogf

$$-\frac{88 x^2 - 152 x + 73}{(x - 1) (22 x - 19) (4 x - 1)}$$

Sequence: A164093
Score: 6.08904
Type of gen. func.: ogf

$$-(213 f(x) + 2564) (4 f(x) x^2 - 5 f(x) x + f(x) + 44 x - 38)$$

Sequence: A164093
Score: 6.87704
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 4 a(n), a(0) = 38, a(1) = 146\}$$

Sequence: A164094
Score: 15.5674
Type of gen. func.: ogf

$$-\frac{7 x - 5}{(2 x - 1) (x - 1)}$$

Sequence: A164094
Score: 17.1700
Type of gen. func.: revogf

$$-\frac{-5 - 3 x + (x^2 + 2 x + 25)^{1/2}}{2 (7 + 2 x)}$$

Sequence: A164094
Score: 17.6102
Type of gen. func.: lgdogf

2

$$-\frac{2\,(7\,x - 10\,x + 4)}{(7\,x - 5)\,(x - 1)\,(2\,x - 1)}$$

Sequence: A164094
Score: 7.7837
Type of gen. func.: ogf

$$-(f(x) + 11)\,(2\,f(x)\,x^{2} - 3\,f(x)\,x + f(x) + 7\,x - 5)$$

Sequence: A164094
Score: 8.54310
Type of gen. func.: ogf

$$\{a(n + 2) - 3\,a(n + 1) + 2\,a(n),\ a(0) = 5,\ a(1) = 8\}$$

Sequence: A164095
Score: 10.1195
Type of gen. func.: revegf]

$$-1/14\;14^{1/2}\;7^{1/2}\left(\operatorname{arcsinh}\left(\frac{3\;14^{1/2}}{7}\right) - \operatorname{arcsinh}\left(\frac{14^{1/2}\,(x + 3)}{7}\right)\right)$$

Sequence: A164095
Score: 10.7549
Type of gen. func.: ogf

$$(215\,f(x) - 751)\,(2\,f(x)\,x^{2} - f(x) + 6\,x + 5)$$

Sequence: A164095
Score: 11.9312
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\,a(n),\ a(0) = 5,\ a(1) = 6\}$$

Sequence: A164095
Score: 18.6243
Type of gen. func.: ogf

$$-\frac{6x+5}{2x^2-1}$$

Sequence: A164095
Score: 21.3955
Type of gen. func.: lgdogf

$$-\frac{2(6x^2+10x+3)}{(6x+5)(2x^2-1)}$$

Sequence: A164096
Score: 14.4817
Type of gen. func.: ogf

$$\frac{6x+5}{(x-1)(2x^2-1)}$$

Sequence: A164096
Score: 15.3670
Type of gen. func.: lgdogf

$$-\frac{24x^3+18x^2-20x-11}{(6x+5)(x-1)(2x^2-1)}$$

Sequence: A164096
Score: 6.73273
Type of gen. func.: ogf

$$\{a(n+3)-a(n+2)-2a(n+1)+2a(n), a(0)=5, a(1)=11, a(2)=21\}$$

Sequence: A164096
Score: 7.04157
Type of gen. func.: ogf

$$(1181 f(x) - 6646) (2 f(x) x^3 - 2 f(x) x^2 - f(x) x + f(x) - 6 x - 5)$$

Sequence: A164097
Score: 13.6214
Type of gen. func.: lgdogf

$$-\frac{(x^2 + 4 x + 1) (x^3 - 3 x^2 - 3 x - 7)}{(x - 1) (x + 1) (x^4 - 6 x^2 - 4 x - 3)}$$

Sequence: A164097
Score: 9.79822
Type of gen. func.: ogf

$$\frac{x^4 - 6 x^2 - 4 x - 3}{(x + 1)^2 (x - 1)^3}$$

Sequence: A164110
Score: 11.8391
Type of gen. func.: ogf

$$-\frac{24 x - 5}{34 x^2 - 12 x + 1}$$

Sequence: A164110
Score: 12.0978
Type of gen. func.: revogf

$$-\frac{-5 - 12 x + (8 x^2 + 24 x + 25)^{1/2}}{4 (12 + 17 x)}$$

Sequence: A164110
Score: 12.6477
Type of gen. func.: lgdogf

2

$$-\frac{4 (204 x - 85 x + 9)}{(24 x - 5) (34 x^2 - 12 x + 1)}$$

Sequence: A164110
Score: 5.98186
Type of gen. func.: ogf

$$-(23 f(x) + 209) (34 f(x) x^2 - 12 f(x) x + f(x) + 24 x - 5)$$

Sequence: A164110
Score: 6.68561
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 34 a(n), a(0) = 5, a(1) = 36\}$$

Sequence: A164111
Score: 10.0873
Type of gen. func.: ogf

$$\{-a(n + 2) - 4 a(n), a(0) = 1, a(1) = -1\}$$

Sequence: A164111
Score: 15.7461
Type of gen. func.: ogf

$$-\frac{x - 1}{4 x^2 + 1}$$

Sequence: A164111
Score: 18.0736
Type of gen. func.: revogf

$$-\frac{-1 + (-16 x^2 - 4 x + 1)^{1/2}}{2 (1 + 4 x)}$$

Sequence: A164111
Score: 22.1548
Type of gen. func.: lgdogf

$$-\frac{4 x^2 - 8 x - 1}{(x - 1) (4 x^2 + 1)}$$

Sequence: A164111
Score: 8.84369
Type of gen. func.: ogf

$$-(12 f(x) - 11) (4 f(x) x^2 + f(x) + x - 1)$$

Sequence: A164112
Score: 14.0527
Type of gen. func.: ogf

$$(41 f(x) x - f(x) + x + 1)^3$$

Sequence: A164112
Score: 4.25863
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^2 - x + 1) (x + 1)^2}{820 x^6 - 40 x^5 - 40 x^4 - 40 x^3 - 40 x^2 - 40 x + 1}$$

Sequence: A164113
Score: 10.6156
Type of gen. func.: ogf

$$(42 f(x) x - f(x) + x + 1)^3$$

Sequence: A164113
Score: 4.28047
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^2 - x + 1) (x + 1)^2}{861 x^6 - 41 x^5 - 41 x^4 - 41 x^3 - 41 x^2 - 41 x + 1}$$

Sequence: A164115
Score: 11.9433
Type of gen. func.: ogf

$$f(x) (f(x) x^4 + x^4 + x^3 + x^2 - f(x) + x + 1)$$

Sequence: A164115
Score: 13.1443
Type of gen. func.: lgdogf

$$- \frac{x^6 + 2 x^5 + 3 x^4 + 8 x^3 + 3 x^2 + 2 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A164115
Score: 15.2507
Type of gen. func.: ogf

$$- \frac{x^4 + x^3 + x^2 + x + 1}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A164115
Score: 29.9774
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^4 + x^3 + 1]$$

Sequence: A164116
Score: 12.2435
Type of gen. func.: ogf

$$(x - 1) (x + 1) (x^2 + 1)$$

$$-\frac{}{x^4 + x^3 + x^2 + x + 1}$$

Sequence: A164116
Score: 16.0020
Type of gen. func.: lgdogf

$$\frac{x^6 + 2 x^5 + 3 x^4 + 8 x^3 + 3 x^2 + 2 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A164116
Score: 24.0664
Type of gen. func.: ogf_with_Euler_transform]

$$[x^4 - x^3 - 1]$$

Sequence: A164116
Score: 6.1692
Type of gen. func.: ogf

$$-(5 f(x) + 6) (f(x) x^4 + f(x) x^3 + x^4 + f(x) x^2 + f(x) x + f(x) - 1)$$

Sequence: A164117
Score: 11.9433
Type of gen. func.: ogf

$$f(x) (f(x) x^4 + x^4 - x^3 + x^2 - f(x) - x + 1)$$

Sequence: A164117
Score: 15.2507
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 + x^2 - x + 1}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A164117
Score: 16.6395
Type of gen. func.: lgdogf

$$\frac{x^6 - 2x^5 + 3x^4 - 8x^3 + 3x^2 - 2x + 1}{(x - 1)(x + 1)(x^2 + 1)(x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A164117
Score: 24.1282
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9 + x^4 + x^3 + x - 1$$

Sequence: A164118
Score: 12.2435
Type of gen. func.: ogf

$$-\frac{(x - 1)(x + 1)(x^2 + 1)}{x^4 - x^3 + x^2 - x + 1}$$

Sequence: A164118
Score: 15.0939
Type of gen. func.: lgdogf

$$-\frac{x^6 - 2x^5 + 3x^4 - 8x^3 + 3x^2 - 2x + 1}{(x - 1)(x + 1)(x^2 + 1)(x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A164118
Score: 19.3705
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 - x^4 - x^3 - x + 1$$

Sequence: A164118
Score: 6.1692
Type of gen. func.: ogf

$$-(5 f(x) + 6) (f(x) x^4 - f(x) x^3 + x^4 + f(x) x^2 - f(x) x + f(x) - 1)$$

Sequence: A164120
Score: 13.9327
Type of gen. func.: ogf

$$\frac{2 x + 5}{(x - 1) (2 x^2 - 1)}$$

Sequence: A164120
Score: 15.4017
Type of gen. func.: lgdogf

$$- \frac{8 x^3 + 26 x^2 - 20 x - 7}{(2 x + 5) (x - 1) (2 x^2 - 1)}$$

Sequence: A164120
Score: 6.47746
Type of gen. func.: ogf

$$-(3399 f(x) + 26102) (2 f(x) x^3 - 2 f(x) x^2 - f(x) x + f(x) - 2 x - 5)$$

Sequence: A164120
Score: 6.53479
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 2 a(n + 1) + 2 a(n), a(0) = 5, a(1) = 7, a(2) = 17\}$$

Sequence: A164123
Score: 12.8645
Type of gen. func.: ogf

$$3 x + 1$$

```
                                 ------------------
                                             2
                                 (x - 1) (3 x  - 1)



--------------------------------------------------------------------------------

Sequence:  A164123
Score: 16.2886
Type of gen. func.: lgdogf


                                         3
                                  2 (9 x  - 3 x - 2)
                           - ---------------------------
                                                   2
                             (x - 1) (3 x + 1) (3 x  - 1)



--------------------------------------------------------------------------------

Sequence:  A164123
Score: 6.08767
Type of gen. func.: ogf


   {a(n + 3) - a(n + 2) - 3 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 4, a(2) = 7}



--------------------------------------------------------------------------------

Sequence:  A164123
Score: 8.0394
Type of gen. func.: ogf


                                   3           2
       (38 f(x) + 107) (3 f(x) x  - 3 f(x) x  - f(x) x + f(x) - 3 x - 1)



--------------------------------------------------------------------------------

Sequence:  A164131
Score: 13.3197
Type of gen. func.: ogf


                                      2
                                   8 x  + 15 x + 8
                                   ----------------
                                                  2
                                   (x + 1) (x - 1)



--------------------------------------------------------------------------------

Sequence:  A164131
Score: 16.1988
Type of gen. func.: lgdogf


                                  3       2
                               8 x  + 38 x  + 55 x + 23
                         - -----------------------------------
                                                  2
                           (x - 1) (x + 1) (8 x  + 15 x + 8)
```

Sequence: A164131
Score: 7.11914
Type of gen. func.: ogf

$$(119 f(x) - 151) (f(x) x^3 - f(x) x^2 - f(x) x - 8 x^2 + f(x) - 15 x - 8)$$

Sequence: A164131
Score: 7.24404
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 8, a(1) = 23, a(2) = 39\}$$

Sequence: A164135
Score: 13.3175
Type of gen. func.: ogf

$$\frac{7 x^2 + 33 x + 7}{(x + 1) (x - 1)^2}$$

Sequence: A164135
Score: 16.1991
Type of gen. func.: lgdogf

$$-\frac{7 x^3 + 73 x^2 + 68 x + 40}{(x - 1) (x + 1) (7 x^2 + 33 x + 7)}$$

Sequence: A164135
Score: 7.11796
Type of gen. func.: ogf

$$(65 f(x) + 6289) (f(x) x^3 - f(x) x^2 - f(x) x - 7 x^2 + f(x) - 33 x - 7)$$

Sequence: A164135

Score: 7.24284
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 7, a(1) = 40, a(2) = 54\}$$

Sequence: A164136
Score: 10.7704
Type of gen. func.: ogf

$$f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 22 x$$

Sequence: A164136
Score: 16.4689
Type of gen. func.: ogf

$$- \frac{22 x}{(x - 1)^3}$$

Sequence: A164136
Score: 57.8871
Type of gen. func.: ogf_with_Euler_transform]

[3]

Sequence: A164136
Score: 6.70414
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 22, a(2) = 66\}$$

Sequence: A164136
Score: 93.3034
Type of gen. func.: lgdogf

$$- \frac{3}{x - 1}$$

Sequence: A164142
Score: 11.4187
Type of gen. func.: lgdogf

$$-\frac{2\,(10\,x^4 - 12\,x^3 + 3\,x^2 + 2\,x - 1)}{(2\,x - 1)\,(2\,x^2 - 1)\,(2\,x^2 - 2\,x + 1)}$$

Sequence: A164143
Score: 15.6887
Type of gen. func.: ogf

$$\frac{2\,x^4 + 2\,x^3 - 1}{2\,x - 1}$$

Sequence: A164143
Score: 18.4059
Type of gen. func.: lgdogf

$$\frac{2\,(6\,x^4 - 3\,x^2 + 1)}{(2\,x - 1)\,(2\,x^4 + 2\,x^3 - 1)}$$

Sequence: A164143
Score: 4.24722
Type of gen. func.: ogf

$$\{(8\,n^2 - 32)\,a(n + 1) + (2\,n^2 + 18\,n + 16)\,a(n + 2) + (-3\,n^2 - 9\,n)\,a(n + 3),$$

$$a(0) = 1,\ a(1) = 2,\ a(2) = 4,\ a(3) = 6\}$$

Sequence: A164143
Score: 9.73097
Type of gen. func.: ogf

$$(f(x) - 1)\,(-2\,x^4 - 2\,x^3 + 2\,f(x)\,x - f(x) + 1)$$

Sequence: A164145

Score: 3.80176
Type of gen. func.: ogf

$$-4 f(x)^2 x^4 + 10 f(x)^2 x^3 + 8 f(x) x^4 - 10 f(x)^2 x^2 - 12 f(x) x^3 - 4 x^4 + 5 f(x)^2 x + 8 f(x) x^2 + 2 x^3 - f(x)^2 - 2 f(x) x - 2 x^2 + x + 1$$

Sequence: A164146
Score: 4.26017
Type of gen. func.: ogf

$$-4 f(x)^2 x^4 + 6 f(x)^2 x^3 - 8 f(x) x^4 + 4 f(x) x^3 - 4 x^4 - 3 f(x)^2 x + 4 f(x) x^2 - 2 x^3 + f(x)^2 - 2 f(x) x + x - 1$$

Sequence: A164156
Score: 12.4917
Type of gen. func.: lgdogf

$$-\frac{2 (12 x^5 - 15 x^4 + 4 x^3 + 2 x - 1)}{(2 x - 1) (4 x^5 - 4 x^4 + 2 x - 1)}$$

Sequence: A164160
Score: 10.5280
Type of gen. func.: lgdogf

$$-\frac{2 (14 x^6 - 6 x^5 - 10 x^4 + 4 x^3 + 2 x - 1)}{(2 x - 1) (2 x^3 - 1) (2 x^3 - 2 x + 1)}$$

Sequence: A164161
Score: 10.1448
Type of gen. func.: lgdogf

$$\frac{2 (2 x^2 + 2 x + 1) (5 x^4 - 4 x^3 + 2 x^2 - 2 x + 1)}{(2 x - 1) (2 x^6 + 2 x^5 + 2 x^4 - 1)}$$

Sequence: A164161
Score: 12.8819
Type of gen. func.: ogf

$$\frac{2x^{6}+2x^{5}+2x^{4}-1}{2x-1}$$

Sequence: A164193
Score: 12.7308
Type of gen. func.: lgdogf

$$-\frac{2(14x^{6}-18x^{5}+5x^{4}+2x-1)}{(2x-1)(4x^{6}-4x^{5}+2x-1)}$$

Sequence: A164195
Score: 11.4471
Type of gen. func.: lgdogf

$$-\frac{2(16x^{7}-7x^{6}-12x^{5}+5x^{4}+2x-1)}{(2x-1)(4x^{7}-4x^{5}+2x-1)}$$

Sequence: A164200
Score: 10.7324
Type of gen. func.: lgdogf

$$-\frac{2(18x^{8}-8x^{7}-12x^{5}+5x^{4}+2x-1)}{(2x-1)(2x^{4}-2x+1)(2x^{4}-1)}$$

Sequence: A164203
Score: 10.0039
Type of gen. func.: lgdogf

$$\frac{2(14x^{8}+4x^{7}+3x^{6}+2x^{5}-5x^{4}+1)}{{}^{8}\quad{}^{7}\quad{}^{6}\quad{}^{5}}$$

$$(2 x - 1) (2 x + 2 x + 2 x + 2 x - 1)$$

Sequence: A164203
Score: 11.2964
Type of gen. func.: ogf

$$\frac{2 x^8 + 2 x^7 + 2 x^6 + 2 x^5 - 1}{2 x - 1}$$

Sequence: A164229
Score: 16.3780
Type of gen. func.: lgdogf

$$- \frac{2 (12 x^5 - 5 x^4 - 2 x + 1)}{(2 x - 1) (4 x^5 - 2 x + 1)}$$

Sequence: A164246
Score: 7.58167
Type of gen. func.: lgdogf

$$- \frac{2 (18 x^8 - 8 x^7 + 14 x^6 - 18 x^5 + 5 x^4 + 2 x - 1)}{(2 x - 1) (2 x^4 + 2 x^3 + 2 x^2 - 1) (2 x^4 - 2 x^3 + 2 x^2 - 2 x + 1)}$$

Sequence: A164265
Score: 13.5242
Type of gen. func.: ogf

$$\frac{3 x + 4}{(x - 1) (3 x^2 - 1)}$$

Sequence: A164265
Score: 14.6416
Type of gen. func.: lgdogf

$$18 x^3 + 27 x^2 - 24 x - 7$$

$$-\frac{}{(x - 1)(3 x + 4)(3 x^2 - 1)}$$

Sequence: A164265
Score: 6.34322
Type of gen. func.: ogf

$$-(1006 f(x) + 5491)(3 f(x) x^3 - 3 f(x) x^2 - f(x) x + f(x) - 3 x - 4)$$

Sequence: A164265
Score: 6.34323
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 3 a(n + 1) + 3 a(n), a(0) = 4, a(1) = 7, a(2) = 19\}$$

Sequence: A164267
Score: 12.9609
Type of gen. func.: ogf

$$-\frac{x}{(x^2 - 3 x + 1)(x^2 - x - 1)}$$

Sequence: A164267
Score: 15.3824
Type of gen. func.: lgdogf

$$-\frac{2 (x - 1)(2 x^2 - 4 x - 1)}{(x^2 - 3 x + 1)(x^2 - x - 1)}$$

Sequence: A164267
Score: 5.63056
Type of gen. func.: ogf

$$-(48 f(x) - 7)(f(x) x^4 - 4 f(x) x^3 + 3 f(x) x^2 + 2 f(x) x - f(x) + x)$$

Sequence: A164272
Score: 6.45791
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^{7} - 2 x^{6} + 5 x^{5} - 2 x^{4} + 4 x^{3} - 2 x^{2} + 3 x - 2}{-x^{8} - x^{6} + x^{2} + 1}$$

Sequence: A164273
Score: 5.06031
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^{9} - x^{7} + x^{6} + x^{5} + 3 x^{3} - x^{2} - x + 2}{-x^{10} + x^{9} - x^{7} + x^{6} - x^{4} + x^{3} - x + 1}$$

Sequence: A164277
Score: 10.6697
Type of gen. func.: ogf

$$(43 f(x) x - f(x) + x + 1)^{3}$$

Sequence: A164277
Score: 4.30231
Type of gen. func.: ogf

$$\frac{(x^{2} + x + 1) (x^{2} - x + 1) (x + 1)^{2}}{903 x^{6} - 42 x^{5} - 42 x^{4} - 42 x^{3} - 42 x^{2} - 42 x + 1}$$

Sequence: A164284
Score: 18.2633
Type of gen. func.: ogf

$$\frac{8 + 7 x}{(x - 1)^{2}}$$

Sequence: A164284
Score: 26.8656
Type of gen. func.: revogf

$$-\frac{-4 - x + (16 + 15 x)^{1/2}}{-7 + x}$$

Sequence: A164284
Score: 35.0421
Type of gen. func.: lgdogf

$$-\frac{23 + 7 x}{(8 + 7 x) (x - 1)}$$

Sequence: A164284
Score: 9.33921
Type of gen. func.: ogf

$$(30 f(x) + 289) (f(x) x^2 - 2 f(x) x + f(x) - 7 x - 8)$$

Sequence: A164284
Score: 9.90181
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 8, a(1) = 23\}$$

Sequence: A164285
Score: 14.8350
Type of gen. func.: ogf

$$-\frac{13 x - 10}{(2 x - 1) (x - 1)}$$

Sequence: A164285
Score: 15.8986
Type of gen. func.: revogf

$$-10 - 3 x + (x^2 + 8 x + 100)^{1/2}$$

$$-\frac{}{2 (13 + 2 x)}$$

Sequence: A164285
Score: 16.6742
Type of gen. func.: lgdogf

$$-\frac{26 x^2 - 40 x + 17}{(13 x - 10) (x - 1) (2 x - 1)}$$

Sequence: A164285
Score: 7.4175
Type of gen. func.: ogf

$$-(11 f(x) + 179) (2 f(x) x^2 - 3 f(x) x + f(x) + 13 x - 10)$$

Sequence: A164285
Score: 8.30055
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 10, a(1) = 17\}$$

Sequence: A164298
Score: 14.0540
Type of gen. func.: ogf

$$\frac{6 x + 1}{2 x^2 - 4 x + 1}$$

Sequence: A164298
Score: 15.1151
Type of gen. func.: revogf

$$-\frac{-1 - 4 x + (8 x^2 + 32 x + 1)^{1/2}}{4 (-3 + x)}$$

Sequence: A164298
Score: 15.8902
Type of gen. func.: lgdogf

$$-\frac{2\,(6\,x^2 + 2\,x - 5)}{(6\,x + 1)\,(2\,x^2 - 4\,x + 1)}$$

Sequence: A164298
Score: 7.35387
Type of gen. func.: ogf

$$(9\,f(x) + 16)\,(2\,f(x)\,x^2 - 4\,f(x)\,x + f(x) - 6\,x - 1)$$

Sequence: A164298
Score: 7.61966
Type of gen. func.: ogf

$$\{-a(n + 2) + 4\,a(n + 1) - 2\,a(n),\ a(0) = 1,\ a(1) = 10\}$$

Sequence: A164299
Score: 13.5319
Type of gen. func.: ogf

$$\frac{1 + 5\,x}{7\,x^2 - 6\,x + 1}$$

Sequence: A164299
Score: 13.8737
Type of gen. func.: revogf

$$-\frac{-1 - 6\,x + (8\,x^2 + 32\,x + 1)^{1/2}}{2\,(7\,x - 5)}$$

Sequence: A164299
Score: 14.9143
Type of gen. func.: lgdogf

$$-\frac{35 x^2 + 14 x - 11}{(1 + 5 x) (7 x^2 - 6 x + 1)}$$

Sequence: A164299
Score: 6.99926
Type of gen. func.: ogf

$$(52 f(x) + 69) (7 f(x) x^2 - 6 f(x) x + f(x) - 5 x - 1)$$

Sequence: A164299
Score: 7.33657
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 7 a(n), a(0) = 1, a(1) = 11\}$$

Sequence: A164300
Score: 11.8527
Type of gen. func.: ogf

$$\frac{1 + 4 x}{14 x^2 - 8 x + 1}$$

Sequence: A164300
Score: 12.4009
Type of gen. func.: revogf

$$-\frac{-1 - 8 x + (8 x^2 + 32 x + 1)^{1/2}}{4 (7 x - 2)}$$

Sequence: A164300
Score: 13.0059
Type of gen. func.: lgdogf

$$-\frac{4 (14 x^2 + 7 x - 3)}{{}^{2}}$$

$$(1 + 4 x) (14 x - 8 x + 1)$$

Sequence: A164300
Score: 6.19572
Type of gen. func.: ogf

$$(17 f(x) + 19) (14 f(x) x^{2} - 8 f(x) x + f(x) - 4 x - 1)$$

Sequence: A164300
Score: 6.49075
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 14 a(n), a(0) = 1, a(1) = 12\}$$

Sequence: A164301
Score: 12.8484
Type of gen. func.: revogf

$$-\frac{-1 - 10 x + (8 x^{2} + 32 x + 1)^{1/2}}{2 (-3 + 23 x)}$$

Sequence: A164301
Score: 13.7661
Type of gen. func.: lgdogf

$$-\frac{69 x^{2} + 46 x - 13}{(3 x + 1) (23 x^{2} - 10 x + 1)}$$

Sequence: A164301
Score: 15.3894
Type of gen. func.: ogf

$$\frac{3 x + 1}{23 x^{2} - 10 x + 1}$$

Sequence: A164301
Score: 8.12701
Type of gen. func.: ogf

$$(84 f(x) + 85) (23 f(x) x^2 - 10 f(x) x + f(x) - 3 x - 1)$$

Sequence: A164301
Score: 8.50945
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 23 a(n), a(0) = 1, a(1) = 13\}$$

Sequence: A164303
Score: 15.3281
Type of gen. func.: ogf

$$- \frac{5 x + 3}{x^2 + 2 x - 1}$$

Sequence: A164303
Score: 17.3445
Type of gen. func.: revogf

$$\frac{-3 - 2 x + (8 x^2 + 32 x + 9)^{1/2}}{2 (x + 5)}$$

Sequence: A164303
Score: 19.3268
Type of gen. func.: lgdogf

$$- \frac{5 x^2 + 6 x + 11}{(5 x + 3) (x^2 + 2 x - 1)}$$

Sequence: A164303
Score: 7.92835
Type of gen. func.: ogf

$$(28 f(x) + 37) (f(x) x^2 + 2 f(x) x - f(x) + 5 x + 3)$$

Sequence: A164303
Score: 8.31042
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) - a(n), a(0) = 3, a(1) = 11\}$$

Sequence: A164304
Score: 14.1953
Type of gen. func.: ogf

$$\frac{2 x + 3}{2 x^2 - 4 x + 1}$$

Sequence: A164304
Score: 15.6519
Type of gen. func.: revogf

$$- \frac{-3 - 4 x + (8 x^2 + 32 x + 9)^{1/2}}{4 (x - 1)}$$

Sequence: A164304
Score: 16.0532
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^2 + 6 x - 7)}{(2 x + 3) (2 x^2 - 4 x + 1)}$$

Sequence: A164304
Score: 7.3424
Type of gen. func.: ogf

$$(11 f(x) + 16) (2 f(x) x^2 - 4 f(x) x + f(x) - 2 x - 3)$$

Sequence: A164304
Score: 7.69624
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 2 a(n), a(0) = 3, a(1) = 14\}$$

Sequence: A164305
Score: 14.3513
Type of gen. func.: revogf

$$-\frac{-3 - 6 x + (8 x^2 + 32 x + 9)^{1/2}}{2 (1 + 7 x)}$$

Sequence: A164305
Score: 16.3846
Type of gen. func.: ogf

$$-\frac{-3 + x}{7 x^2 - 6 x + 1}$$

Sequence: A164305
Score: 16.7431
Type of gen. func.: lgdogf

$$-\frac{7 x^2 - 42 x + 17}{(-3 + x) (7 x^2 - 6 x + 1)}$$

Sequence: A164305
Score: 8.37851
Type of gen. func.: ogf

$$(60 f(x) + 109) (7 f(x) x^2 - 6 f(x) x + f(x) + x - 3)$$

Sequence: A164305
Score: 8.88323

Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 7 a(n), a(0) = 3, a(1) = 17\}$$

Sequence: A164310
Score: 13.8066
Type of gen. func.: ogf

$$-\frac{9 x - 4}{6 x^2 - 6 x + 1}$$

Sequence: A164310
Score: 14.8521
Type of gen. func.: revogf

$$-\frac{-2 - 3 x + (3 x^2 + 3 x + 4)^{1/2}}{3 (2 x + 3)}$$

Sequence: A164310
Score: 15.2234
Type of gen. func.: lgdogf

$$-\frac{3 (18 x^2 - 16 x + 5)}{(9 x - 4) (6 x^2 - 6 x + 1)}$$

Sequence: A164310
Score: 6.82747
Type of gen. func.: ogf

$$-(14 f(x) + 19) (6 f(x) x^2 - 6 f(x) x + f(x) + 9 x - 4)$$

Sequence: A164310
Score: 7.48553
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 6 a(n), a(0) = 4, a(1) = 15\}$$

Sequence: A164311
Score: 13.2311
Type of gen. func.: ogf

$$-\frac{21 x - 4}{33 x^{2} - 12 x + 1}$$

Sequence: A164311
Score: 14.1616
Type of gen. func.: lgdogf

$$-\frac{3 (231 x^{2} - 88 x + 9)}{(21 x - 4) (33 x^{2} - 12 x + 1)}$$

Sequence: A164311
Score: 14.8360
Type of gen. func.: revogf

$$-\frac{-2 - 6 x + (3 x^{2} + 3 x + 4)^{1/2}}{3 (7 + 11 x)}$$

Sequence: A164311
Score: 6.68521
Type of gen. func.: ogf

$$-(20 f(x) + 163) (33 f(x) x^{2} - 12 f(x) x + f(x) + 21 x - 4)$$

Sequence: A164311
Score: 7.47171
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 33 a(n), a(0) = 4, a(1) = 27\}$$

Sequence: A164315

Score: 13.4793
Type of gen. func.: ogf

$$\frac{x^2 + x + 1}{(x - 1) (x^3 + x^2 - 1)}$$

Sequence: A164315
Score: 6.63096
Type of gen. func.: ogf

{-a(n + 4) + a(n + 3) + a(n + 2) - a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 6

}

Sequence: A164315
Score: 7.40756
Type of gen. func.: ogf

$$(7 f(x) - 3) (f(x) x^4 - f(x) x^2 - f(x) x - x^2 + f(x) - x - 1)$$

Sequence: A164315
Score: 9.99948
Type of gen. func.: lgdogf

$$- \frac{4 x^6 + 4 x^5 - 5 x^4 - 16 x^3 - 7 x^2 + 8 x + 9}{(x - 1) (4 x^3 + 2 x^2 - 3 x - 6) (x^3 + x^2 - 1)}$$

Sequence: A164316
Score: 15.5148
Type of gen. func.: ogf

$$- \frac{2 x^2 + x + 1}{x^3 + x - 1}$$

Sequence: A164316
Score: 15.8405

Type of gen. func.: lgdogf

$$-\frac{4x^4+4x^3+11x^2+8x+7}{(4x^2+2x+5)(x^3+x-1)}$$

Sequence: A164316
Score: 8.74773
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+2)+a(n), a(0)=1, a(1)=2, a(2)=4\}$$

Sequence: A164316
Score: 8.8418
Type of gen. func.: ogf

$$(f(x)+1)(f(x)x^3+f(x)x+2x^2-f(x)+x+1)$$

Sequence: A164317
Score: 10.2422
Type of gen. func.: ogf

$$-\frac{(x^2+x+1)(x^3+2x^2+x+1)}{x^4+x^3-1}$$

Sequence: A164317
Score: 11.1101
Type of gen. func.: lgdogf

$$-\frac{4x^6+14x^5+25x^4+32x^3+27x^2+14x+6}{(x^4+x^3-1)(4x^3+7x^2+6x+5)}$$

Sequence: A164330
Score: 10.778
Type of gen. func.: ogf

$$(44 f(x) x - f(x) + x + 1)^3$$

Sequence: A164330
Score: 4.34598
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^2 - x + 1) (x + 1)^2}{946 x^6 - 43 x^5 - 43 x^4 - 43 x^3 - 43 x^2 - 43 x + 1}$$

Sequence: A164331
Score: 10.778
Type of gen. func.: ogf

$$(45 f(x) x - f(x) + x + 1)^3$$

Sequence: A164331
Score: 4.34598
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^2 - x + 1) (x + 1)^2}{990 x^6 - 44 x^5 - 44 x^4 - 44 x^3 - 44 x^2 - 44 x + 1}$$

Sequence: A164332
Score: 10.778
Type of gen. func.: ogf

$$(46 f(x) x - f(x) + x + 1)^3$$

Sequence: A164332
Score: 4.31122
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^2 - x + 1) (x + 1)^2}{1035 x^6 - 45 x^5 - 45 x^4 - 45 x^3 - 45 x^2 - 45 x + 1}$$

Sequence: A164338
Score: 5.33058
Type of gen. func.: ogf

$$-\frac{55677770 x^3 + 12344440 x^2 - 55667777 x - 12334444}{(x - 1) (x + 1) (10 x^2 - 1)}$$

Sequence: A164346
Score: 12.1199
Type of gen. func.: ogf

$$\{a(n + 1) - 4 a(n), a(0) = 3\}$$

Sequence: A164346
Score: 15.3716
Type of gen. func.: ogf

$$-4 f(x) x + f(x) - 3$$

Sequence: A164346
Score: 25.2093
Type of gen. func.: ogf

$$-\frac{3}{4 x - 1}$$

Sequence: A164346
Score: 25.7371
Type of gen. func.: revegf]

$$-1/4 \ln(3) + 1/4 \ln(4 x + 3)$$

Sequence: A164346
Score: 56.1538
Type of gen. func.: lgdogf

$$-\frac{4}{4x-1}$$

Sequence: A164348
Score: 10.9947
Type of gen. func.: ogf

$$(47 f(x) x - f(x) + x + 1)^3$$

Sequence: A164348
Score: 4.39787
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)(x^2 - x + 1)(x + 1)^2}{1081 x^6 - 46 x^5 - 46 x^4 - 46 x^3 - 46 x^2 - 46 x + 1}$$

Sequence: A164350
Score: 12.7539
Type of gen. func.: ogf

$$(48 f(x) x - f(x) + x + 1)^3$$

Sequence: A164350
Score: 4.39787
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)(x^2 - x + 1)(x + 1)^2}{1128 x^6 - 47 x^5 - 47 x^4 - 47 x^3 - 47 x^2 - 47 x + 1}$$

Sequence: A164351
Score: 10.9947
Type of gen. func.: ogf

$$(49 f(x) x - f(x) + x + 1)^3$$

Sequence: A164351
Score: 4.39787
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^2 - x + 1) (x + 1)^2}{1176 x^6 - 48 x^5 - 48 x^4 - 48 x^3 - 48 x^2 - 48 x + 1}$$

Sequence: A164352
Score: 6.07245
Type of gen. func.: ogf

$$\frac{x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}{x^6 - 2 x^5 + x^4 - 2 x^3 + x^2 - 2 x + 1}$$

Sequence: A164353
Score: 4.92389
Type of gen. func.: ogf

$$\frac{(x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{3 x^7 - 2 x^6 - 2 x^5 - 2 x^4 - 2 x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A164354
Score: 4.94629
Type of gen. func.: ogf

$$\frac{(x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{6 x^7 - 3 x^6 - 3 x^5 - 3 x^4 - 3 x^3 - 3 x^2 - 3 x + 1}$$

Sequence: A164355
Score: 10.7115
Type of gen. func.: lgdogf

$$- \frac{5 x^6 + 2 x^5 + 7 x^4 + 12 x^3 + 7 x^2 + 2 x + 5}{}$$

$$(x - 1) (x + 1) (x^2 + 1) (x^4 + x^3 + x^2 + x + 1)$$

Sequence: A164355
Score: 22.6290
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^4 + 2 x^3 - 4 x + 5]$$

Sequence: A164355
Score: 7.18764
Type of gen. func.: ogf

$$\frac{(x^4 + x^3 + x^2 + x + 1) (x + 1)^2}{(x - 1)^2 (x^2 + 1)^2}$$

Sequence: A164356
Score: 14.3666
Type of gen. func.: ogf

$$- \frac{(x + 1)^3}{(x - 1) (x^2 + 1)}$$

Sequence: A164356
Score: 30.3962
Type of gen. func.: lgdogf

$$- \frac{4 (x^2 - x + 1)}{(x^2 + 1) (x - 1) (x + 1)}$$

Sequence: A164356
Score: 34.1122
Type of gen. func.: ogf_with_Euler_transform]

$$[x^3 - 4 x + 4]$$

Sequence: A164356
Score: 7.50980
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3) + a(n + 2) - a(n + 1), a(0) = 1, a(1) = 4, a(2) = 6, a(3) = 4\}$$

Sequence: A164356
Score: 7.9943
Type of gen. func.: ogf

$$-(7 f(x) + 38) (f(x) x^3 - f(x) x^2 + x^3 + f(x) x + 3 x^2 - f(x) + 3 x + 1)$$

Sequence: A164357
Score: 11.4118
Type of gen. func.: ogf

$$\frac{(x + 1)^4}{(x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A164357
Score: 24.5850
Type of gen. func.: lgdogf

$$- \frac{2 (x - 1) (2 x^2 + x + 2)}{(x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A164357
Score: 28.6671
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5 - 5 x + 4]$$

Sequence: A164357
Score: 5.35595
Type of gen. func.: ogf

$$(2 f(x) + 3) (f(x) x^4 - x^4 + f(x) x^2 - 4 x^3 - 6 x^2 + f(x) - 4 x - 1)$$

Sequence: A164358
Score: 14.3666
Type of gen. func.: ogf

$$-\frac{(x^2 + x + 1) (x + 1)}{(x - 1) (x^2 + 1)}$$

Sequence: A164358
Score: 17.3692
Type of gen. func.: lgdogf

$$-\frac{3 x^4 + 2 x^3 + 2 x^2 + 2 x + 3}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A164358
Score: 29.9774
Type of gen. func.: ogf_with_Euler_transform]

$$x^3 - x^2 - 2 x + 3$$

Sequence: A164358
Score: 7.50980
Type of gen. func.: ogf

{a(n + 4) - a(n + 3) + a(n + 2) - a(n + 1), a(0) = 1, a(1) = 3, a(2) = 4,

a(3) = 3}

Sequence: A164358
Score: 7.93035
Type of gen. func.: ogf

$$-(34 f(x) + 63) (f(x) x^3 - f(x) x^2 + x^3 + f(x) x + 2 x^2 - f(x) + 2 x + 1)$$

Sequence: A164359
Score: 10.3260
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 1), a(0) = 1, a(1) = 3, a(2) = 3, a(3) = 2\}$$

Sequence: A164359
Score: 11.5267
Type of gen. func.: ogf

$$(43 f(x) - 196) (f(x) x^3 + x^3 + 3 x^2 - f(x) + 3 x + 1)$$

Sequence: A164359
Score: 17.3911
Type of gen. func.: ogf

$$-\frac{(x + 1)^3}{(x - 1) (x^2 + x + 1)}$$

Sequence: A164359
Score: 30.3962
Type of gen. func.: lgdogf

$$-\frac{3 (x^2 + 1)}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A164359
Score: 39.5702
Type of gen. func.: ogf_with_Euler_transform]

$$x^2 - 3 x + 3$$

Sequence: A164360
Score: 12.7089
Type of gen. func.: ogf

$$(57 f(x) - 230) (f(x) x^3 + 3 x^2 - f(x) + 4 x + 5)$$

Sequence: A164360
Score: 13.0433
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n), a(0) = 5, a(1) = 4, a(2) = 3\}$$

Sequence: A164360
Score: 17.0645
Type of gen. func.: lgdogf

$$- \frac{3 x^4 + 8 x^3 + 15 x^2 + 6 x + 4}{(x - 1) (x^2 + x + 1) (3 x^2 + 4 x + 5)}$$

Sequence: A164360
Score: 20.2305
Type of gen. func.: ogf

$$- \frac{3 x^2 + 4 x + 5}{(x - 1) (x^2 + x + 1)}$$

Sequence: A164365
Score: 4.59043
Type of gen. func.: ogf

$$\frac{(x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{10 x^7 - 4 x^6 - 4 x^5 - 4 x^4 - 4 x^3 - 4 x^2 - 4 x + 1}$$

Sequence: A164367
Score: 2.88909
Type of gen. func.: ogf

$$-(8991 f(x) + 93910) (1000 f(x) x^2 - 110 f(x) x + f(x) + 1100 x - 101)$$

Sequence: A164369
Score: 12.3645
Type of gen. func.: ogf

$$(6 f(x) x - f(x) + x + 1)^3$$

Sequence: A164369
Score: 4.52134
Type of gen. func.: ogf

$$\frac{(x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{15 x^7 - 5 x^6 - 5 x^5 - 5 x^4 - 5 x^3 - 5 x^2 - 5 x + 1}$$

Sequence: A164370
Score: 12.2371
Type of gen. func.: ogf

$$\frac{800 x^4 - 99 x^2 + 1}{(10 x - 1) (10 x^2 - 1)}$$

Sequence: A164370
Score: 5.68434
Type of gen. func.: ogf

$\{a(n + 5) - 10 a(n + 4) - 10 a(n + 3) + 100 a(n + 2), a(0) = 1, a(1) = 10,$

$a(2) = 11, a(3) = 110, a(4) = 1010\}$

Sequence: A164370
Score: 6.57518
Type of gen. func.: ogf

```
(2844315 f(x) - 5548168)

               3        4            2                   2
    (100 f(x) x  - 800 x  - 10 f(x) x  - 10 f(x) x + 99 x  + f(x) - 1)



------------------------------------------------------------------------------

Sequence:  A164373
Score: 11.9218
Type of gen. func.: ogf

                                                    3
                           (7 f(x) x - f(x) + x + 1)



------------------------------------------------------------------------------

Sequence:  A164373
Score: 4.35946
Type of gen. func.: ogf

                              6    5    4    3    2
                    (x + 1) (x  + x  + x  + x  + x  + x + 1)
               ---------------------------------------------------
                   7      6      5      4      3      2
               21 x  - 6 x  - 6 x  - 6 x  - 6 x  - 6 x  - 6 x + 1



------------------------------------------------------------------------------

Sequence:  A164375
Score: 12.5332
Type of gen. func.: ogf

                                                    3
                           (8 f(x) x - f(x) + x + 1)



------------------------------------------------------------------------------

Sequence:  A164375
Score: 4.58302
Type of gen. func.: ogf

                              6    5    4    3    2
                    (x + 1) (x  + x  + x  + x  + x  + x + 1)
               ---------------------------------------------------
                   7      6      5      4      3      2
               28 x  - 7 x  - 7 x  - 7 x  - 7 x  - 7 x  - 7 x + 1



------------------------------------------------------------------------------

Sequence:  A164387
Score: 7.50833
Type of gen. func.: lgdogf

            8       7       6       5       4       3       2
         8 x  + 24 x  + 30 x  + 40 x  + 67 x  + 64 x  + 41 x  + 40 x + 25
```

$$-\frac{}{(8 x^4 + 12 x^3 + 6 x^2 + 11 x + 14) (x^5 + x^4 + x^2 + x - 1)}$$

Sequence: A164387
Score: 9.44362
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^3 + x^2 + 1)}{x^5 + x^4 + x^2 + x - 1}$$

Sequence: A164388
Score: 10.1921
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 1)}{x^5 - x^3 - x^2 - x + 1}$$

Sequence: A164388
Score: 7.03341
Type of gen. func.: lgdogf

$$-\frac{8 x^8 + 8 x^7 - 10 x^6 - 28 x^5 - 36 x^4 - 2 x^3 + 35 x^2 + 40 x + 25}{(8 x^4 + 4 x^3 - 6 x^2 - 11 x - 14) (x^5 - x^3 - x^2 - x + 1)}$$

Sequence: A164389
Score: 8.72698
Type of gen. func.: lgdogf

$$-\frac{8 x^6 + 40 x^5 + 73 x^4 + 84 x^3 + 88 x^2 + 40 x + 25}{(8 x^3 + 20 x^2 + 11 x + 14) (x^4 + 2 x^3 + x - 1)}$$

Sequence: A164389
Score: 9.31715
Type of gen. func.: ogf

$$-\frac{(x+1)\,(x^2+1)^2}{x^4+2\,x^3+x-1}$$

Sequence: A164390
Score: 5.73927
Type of gen. func.: lgdogf

$$-(8\,x^{10}+8\,x^9+22\,x^8+20\,x^7+41\,x^6+54\,x^5+51\,x^4+52\,x^3+36\,x^2+38\,x+25)\Big/\left((8\,x^5+4\,x^4+10\,x^3+5\,x^2+11\,x+14)\,(x^6+x^4+x^2+x-1)\right)$$

Sequence: A164390
Score: 8.43861
Type of gen. func.: ogf

$$-\frac{x^5+x^4+2\,x^3+x^2+x+1}{x^6+x^4+x^2+x-1}$$

Sequence: A164391
Score: 9.60080
Type of gen. func.: ogf

$$\frac{(x+1)\,(x^2+1)}{(x-1)\,(x^5+2\,x^4+2\,x^3+x^2-1)}$$

Sequence: A164392
Score: 10.7506
Type of gen. func.: ogf

$$-\frac{x^4-x^3-1}{(x-1)\,(x+1)\,(x^3-x^2+2\,x-1)}$$

Sequence: A164392
Score: 6.83246
Type of gen. func.: lgdogf

$$-\frac{8 x^8 - 8 x^7 + 14 x^6 - 25 x^4 + 14 x^3 - 18 x^2 - 12 x + 25}{(x - 1) (x + 1) (x^3 - x^2 + 2 x - 1) (8 x^4 - 4 x^3 + 6 x^2 + 3 x - 14)}$$

Sequence: A164393
Score: 20.8232
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (x^4 - x^3 - x^2 - x + 1)}$$

Sequence: A164393
Score: 6.45454
Type of gen. func.: lgdogf

$$-\frac{8 x^8 - 24 x^7 + 6 x^6 + 12 x^5 + 40 x^4 - 32 x^3 - 24 x^2 - 12 x + 25}{(x - 1) (x^4 - x^3 - x^2 - x + 1) (8 x^4 - 12 x^3 - 6 x^2 - 3 x + 14)}$$

Sequence: A164394
Score: 11.9634
Type of gen. func.: ogf

$$-\frac{x^3 + x^2 + 1}{x^3 - x^2 + 2 x - 1}$$

Sequence: A164394
Score: 12.2496
Type of gen. func.: lgdogf

$$-\frac{4 x^4 - 4 x^3 + 15 x^2 - 6 x + 12}{}$$

$$(x^3 - x^2 + 2 x - 1) (4 x^2 - 2 x + 7)$$

Sequence: A164394
Score: 5.89109
Type of gen. func.: ogf

$\{a(n + 4) - 2 a(n + 3) + a(n + 2) - a(n + 1), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8\}$

Sequence: A164394
Score: 6.76194
Type of gen. func.: ogf

$$(f(x) - 1) (f(x) x^3 - f(x) x^2 + x^3 + 2 f(x) x + x^2 - f(x) + 1)$$

Sequence: A164395
Score: 11.6327
Type of gen. func.: ogf

$$\frac{x^2 + 1}{(x - 1) (2 x^3 + x - 1)}$$

Sequence: A164395
Score: 7.341
Type of gen. func.: ogf

$$-2 f(x) x^4 + 2 f(x) x^3 - f(x) x^2 + 2 f(x) x + x^2 - f(x) + 1$$

Sequence: A164395
Score: 8.73016
Type of gen. func.: lgdogf

$$- \frac{2 (8 x^6 - 8 x^5 + 6 x^4 - 16 x^3 + 6 x^2 - 3 x + 6)}{(x - 1) (2 x^3 + x - 1) (8 x^3 - 4 x^2 + 2 x - 7)}$$

Sequence: A164396
Score: 10.4069
Type of gen. func.: ogf

$$-\frac{x^5 - x^3 - 1}{(x - 1) (x^5 + x^2 + x - 1)}$$

Sequence: A164396
Score: 5.63535
Type of gen. func.: lgdogf

$$- (8 x^{10} - 8 x^9 - 2 x^8 + 16 x^7 + 3 x^6 - 36 x^5 + 13 x^4 + 16 x^3 - 22 x^2 - 14 x + 24) / ((x - 1) (x^5 + x^2 + x - 1) (8 x^5 - 4 x^4 - 2 x^3 + 7 x^2 + 4 x - 14))$$

Sequence: A164397
Score: 21.7272
Type of gen. func.: ogf

$$-\frac{1}{(x^2 + x + 1) (x^2 + x - 1) (x - 1)^2}$$

Sequence: A164397
Score: 5.99195
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^9 + 8 x^8 - 5 x^7 - 19 x^6 - 15 x^5 + 9 x^4 + 29 x^3 + 9 x^2 - 5 x - 12)}{(x - 1) (x^2 + x + 1) (x^2 + x - 1) (8 x^5 + 4 x^4 - 14 x^3 - 7 x^2 - 4 x + 14)}$$

Sequence: A164398
Score: 11.4651
Type of gen. func.: ogf

$$-\frac{8 x^3 + 5 x^2 + 3 x - 14}{(x - 1) (x^3 + x^2 + x - 1)}$$

Sequence: A164398
Score: 6.46214
Type of gen. func.: ogf

$$-(378 f(x) - 839) (f(x) x^4 + 8 x^3 - 2 f(x) x + 5 x^2 + f(x) + 3 x - 14)$$

Sequence: A164398
Score: 8.29881
Type of gen. func.: lgdogf

$$-\frac{8 x^6 + 10 x^5 + 9 x^4 - 24 x^3 - 14 x^2 - 10 x + 25}{(x - 1) (x^3 + x^2 + x - 1) (8 x^3 + 5 x^2 + 3 x - 14)}$$

Sequence: A164399
Score: 4.86166
Type of gen. func.: ogf

$$-(f(x) + 73) (2 f(x) x^4 - 2 f(x) x^3 + f(x) x^2 + 16 x^3 - 2 f(x) x - 7 x^2 + f(x) + 4 x - 14)$$

Sequence: A164399
Score: 7.97926
Type of gen. func.: lgdogf

$$-\frac{2 (16 x^6 - 14 x^5 + 11 x^4 - 32 x^3 + 13 x^2 - 7 x + 12)}{(x - 1) (2 x^3 + x - 1) (16 x^3 - 7 x^2 + 4 x - 14)}$$

Sequence: A164399
Score: 8.86176
Type of gen. func.: ogf

$$-\frac{16x^3-7x^2+4x-14}{(x-1)(2x^3+x-1)}$$

Sequence: A164400
Score: 12.3882
Type of gen. func.: ogf

$$\frac{x^6+x^5-1}{(x-1)(x^4-x^3-x^2-x+1)}$$

Sequence: A164400
Score: 6.39095
Type of gen. func.: lgdogf

$$-\frac{8x^8-24x^7+3x^6+12x^5+46x^4-32x^3-22x^2-14x+24}{(x-1)(8x^4-12x^3-7x^2-4x+14)(x^4-x^3-x^2-x+1)}$$

Sequence: A164401
Score: 5.99403
Type of gen. func.: lgdogf

$$-(8x^{10}+8x^9+6x^8+20x^7+5x^6+28x^5+27x^4+2x^3+33x^2-10x+25) / ((8x^5+4x^4+2x^3+9x^2-3x+14)(x^6+x^3-x^2+2x-1))$$

Sequence: A164401
Score: 9.86574
Type of gen. func.: ogf

$$-\frac{(x+1)(x^2+1)(x^2-x+1)}{x^6+x^3-x^2+2x-1}$$

Sequence: A164402
Score: 13.3282
Type of gen. func.: ogf

$$-\frac{2x^3+1}{2x^4-2x^3+2x-1}$$

Sequence: A164402
Score: 6.8442
Type of gen. func.: ogf

$$-(f(x)-1)(2f(x)x^4-2f(x)x^3+2x^3+2f(x)x-f(x)+1)$$

Sequence: A164402
Score: 8.55738
Type of gen. func.: lgdogf

$$-\frac{2(8x^6-8x^5-2x^4+16x^3-5x^2-4x+6)}{(2x^4-2x^3+2x-1)(8x^3-4x^2-2x+7)}$$

Sequence: A164403
Score: 7.24655
Type of gen. func.: lgdogf

$$-\frac{8x^8+8x^7-7x^6-12x^5+27x^4+22x^3-20x^2-10x+25}{(x^5-x^3+2x-1)(8x^4+4x^3-5x^2-3x+14)}$$

Sequence: A164403
Score: 9.37527
Type of gen. func.: ogf

$$-\frac{8x^4+4x^3-5x^2-3x+14}{x^5-x^3+2x-1}$$

Sequence: A164404
Score: 10.0067
Type of gen. func.: ogf

$$-\frac{16 x^3 - 7 x^2 - 4 x + 14}{2 x^4 - 2 x^3 + 2 x - 1}$$

Sequence: A164404
Score: 5.82357
Type of gen. func.: ogf

$$(4 f(x) - 77)$$

$$(2 f(x) x^4 - 2 f(x) x^3 + 16 x^3 + 2 f(x) x - 7 x^2 - f(x) - 4 x + 14)$$

Sequence: A164404
Score: 8.00705
Type of gen. func.: lgdogf

$$-\frac{2 (16 x^6 - 14 x^5 - 5 x^4 + 32 x^3 - 11 x^2 - 7 x + 12)}{(2 x^4 - 2 x^3 + 2 x - 1) (16 x^3 - 7 x^2 - 4 x + 14)}$$

Sequence: A164405
Score: 13.4539
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 - x + 1)}{x^6 - x^3 + 2 x - 1}$$

Sequence: A164405
Score: 5.83400
Type of gen. func.: lgdogf

$$- (8 x^{10} + 8 x^9 + 6 x^8 - 12 x^7 - 16 x^6 + 20 x^5 + 23 x^4 + 16 x^3 - 22 x^2 - 14 x$$

$$+ 24) \Big/ ((x^6 - x^3 + 2 x - 1) (8 x^5 + 4 x^4 + 2 x^3 - 7 x^2 - 4 x + 14))$$

Sequence: A164406
Score: 11.1914
Type of gen. func.: ogf

$$\frac{x^2 + 1}{(x^3 + x - 1)^2}$$

Sequence: A164406
Score: 7.57792
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^7 + 4 x^6 + 15 x^5 + 2 x^4 + 9 x^3 - 15 x^2 - 5 x - 12)}{(x^3 + x - 1) (8 x^5 + 4 x^4 + 18 x^3 - 7 x^2 + 4 x - 14)}$$

Sequence: A164407
Score: 10.2020
Type of gen. func.: ogf

$$- \frac{8 x^3 + 4 x^2 + 10 x + 13}{(x + 1) (x^3 - x^2 + 2 x - 1)}$$

Sequence: A164407
Score: 5.84144
Type of gen. func.: ogf

$$(23 f(x) + 108) (f(x) x^4 + f(x) x^2 + 8 x^3 + f(x) x + 4 x^2 - f(x) + 10 x + 13)$$

Sequence: A164407
Score: 8.16640
Type of gen. func.: lgdogf

$$-\frac{8x^6+8x^5+22x^4+36x^3+30x^2+34x+23}{(x+1)(x^3-x^2+2x-1)(8x^3+4x^2+10x+13)}$$

Sequence: A164408
Score: 5.00335
Type of gen. func.: ogf

$$(48 f(x) + 347)$$

$$(f(x) x^4 - f(x) x^3 - f(x) x^2 + 8 x^3 - f(x) x - 4 x^2 + f(x) - 10 x - 13)$$

Sequence: A164408
Score: 8.39294
Type of gen. func.: lgdogf

$$-\frac{8x^6-8x^5-18x^4-16x^3+21x^2+34x+23}{(8x^3-4x^2-10x-13)(x^4-x^3-x^2-x+1)}$$

Sequence: A164408
Score: 8.99338
Type of gen. func.: ogf

$$-\frac{8x^3-4x^2-10x-13}{x^4-x^3-x^2-x+1}$$

Sequence: A164409
Score: 11.6270
Type of gen. func.: ogf

$$-\frac{8x^2-4x+13}{x^3-x^2+2x-1}$$

Sequence: A164409
Score: 11.7835

Type of gen. func.: lgdogf

$$-\frac{8 x^4 - 8 x^3 + 27 x^2 - 10 x + 22}{(x^3 - x^2 + 2 x - 1) (8 x^2 - 4 x + 13)}$$

Sequence: A164409
Score: 5.95763
Type of gen. func.: ogf

$$-(772 f(x) - 6955) (f(x) x^3 - f(x) x^2 + 2 f(x) x + 8 x^2 - f(x) - 4 x + 13)$$

Sequence: A164409
Score: 6.26847
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n + 1) - a(n), a(0) = 13, a(1) = 22, a(2) = 39\}$$

Sequence: A164410
Score: 11.1926
Type of gen. func.: lgdogf

$$-\frac{2 (16 x^4 + 18 x^3 + 31 x^2 + 16 x + 11)}{(16 x^2 + 9 x + 13) (2 x^3 + x - 1)}$$

Sequence: A164410
Score: 12.6657
Type of gen. func.: ogf

$$-\frac{16 x^2 + 9 x + 13}{2 x^3 + x - 1}$$

Sequence: A164410
Score: 7.1083
Type of gen. func.: ogf

$$(11 f(x) - 827) (2 f(x) x^3 + f(x) x + 16 x^2 - f(x) + 9 x + 13)$$

Sequence: A164410
Score: 7.18159
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 2 a(n), a(0) = 13, a(1) = 22, a(2) = 38\}$$

Sequence: A164411
Score: 7.07440
Type of gen. func.: lgdogf

$$- \frac{8 x^8 + 8 x^7 + 6 x^6 + 20 x^5 + 37 x^4 + 24 x^3 + 19 x^2 + 30 x + 22}{(8 x^4 + 4 x^3 + 2 x^2 + 9 x + 13) (x^5 + x^2 + x - 1)}$$

Sequence: A164411
Score: 9.77323
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^3 + x^2 + 1)}{x^5 + x^2 + x - 1}$$

Sequence: A164412
Score: 6.51747
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^8 + 12 x^7 + 7 x^6 - 12 x^5 - 27 x^4 - 21 x^3 + 5 x^2 + 15 x + 11)}{(x - 1) (x^2 + x + 1) (x^2 + x - 1) (8 x^4 + 12 x^3 - 2 x^2 - 9 x - 13)}$$

Sequence: A164412
Score: 7.83223
Type of gen. func.: ogf

$$- \frac{8 x^4 + 12 x^3 - 2 x^2 - 9 x - 13}{}$$

$$(x - 1) (x^2 + x + 1) (x^2 + x - 1)$$

Sequence: A164413
Score: 17.7178
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^2 + 14 x + 11)}{(x^2 + x - 1) (x^2 + 9 x + 13)}$$

Sequence: A164413
Score: 9.32935
Type of gen. func.: ogf

$$-\frac{(x^2 + 1) (x^2 - x + 1) (x + 1)^2}{x^2 + x - 1}$$

Sequence: A164414
Score: 11.5720
Type of gen. func.: lgdogf

$$-\frac{30 x^4 + 36 x^3 + 63 x^2 + 30 x + 22}{(2 x^3 + x - 1) (15 x^2 + 9 x + 13)}$$

Sequence: A164414
Score: 12.6657
Type of gen. func.: ogf

$$-\frac{15 x^2 + 9 x + 13}{2 x^3 + x - 1}$$

Sequence: A164414
Score: 7.18159
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - 2 a(n), a(0) = 13, a(1) = 22, a(2) = 37}

Sequence: A164415
Score: 8.45302
Type of gen. func.: lgdogf

$$-\frac{8x^6-6x^5-16x^4-18x^3+21x^2+32x+22}{(8x^3-3x^2-9x-13)(x^4-x^3-x^2-x+1)}$$

Sequence: A164415
Score: 8.61961
Type of gen. func.: ogf

$$-\frac{(x+1)(x^5-x^2-1)}{x^4-x^3-x^2-x+1}$$

Sequence: A164416
Score: 5.98359
Type of gen. func.: lgdogf

$$-\frac{8x^8+40x^7+105x^6+184x^5+237x^4+228x^3+161x^2+80x+23}{(x^5+2x^4+2x^3+x^2-1)(8x^4+20x^3+27x^2+23x+13)}$$

Sequence: A164416
Score: 7.67680
Type of gen. func.: ogf

$$-\frac{8x^4+20x^3+27x^2+23x+13}{x^5+2x^4+2x^3+x^2-1}$$

Sequence: A164417
Score: 7.55312
Type of gen. func.: ogf

$$-\frac{(x+1)(x^5+x^4-x^3-x^2-1)}{x^7+x^6-x^5-x^4-x^2-x+1}$$

Sequence: A164418
Score: 5.85198
Type of gen. func.: ogf

$$-\frac{8x^6+12x^5+14x^4+15x^3+16x^2+9x+13}{(x^2-x+1)(x^5+2x^4+2x^3+x^2-1)}$$

Sequence: A164419
Score: 5.32423
Type of gen. func.: lgdogf

$$-(8x^{10}+24x^9+46x^8+40x^7+39x^6+52x^5+80x^4+56x^3+12x^2+24x+21)\Big/\big((x^6+x^5+x^4-x^3+x^2+x-1)(8x^5+12x^4+14x^3-x^2+8x+13)\big)$$

Sequence: A164419
Score: 7.44205
Type of gen. func.: ogf

$$-\frac{x^5+2x^4+3x^3+x^2+x+1}{x^6+x^5+x^4-x^3+x^2+x-1}$$

Sequence: A164420
Score: 10.7792
Type of gen. func.: ogf

$$\frac{(x+1)(x^3+x^2+1)}{(x-1)(x^5+x^4+x^3+x^2-1)}$$

Sequence: A164420

Score: 5.75628

Type of gen. func.: lgdogf

$$-(8x^{10}+8x^9+6x^8+4x^7-16x^6-38x^5-26x^4-12x^3+3x^2+24x+21) / ((x-1)(8x^5+4x^4+2x^3+x^2-8x-13)(x^5+x^4+x^3+x^2-1))$$

Sequence: A164421

Score: 7.00221

Type of gen. func.: lgdogf

$$-\frac{8x^8+10x^7+9x^6+20x^5+36x^4+22x^3+21x^2+32x+22}{(8x^4+5x^3+3x^2+9x+13)(x^5+x^2+x-1)}$$

Sequence: A164421

Score: 8.97537

Type of gen. func.: ogf

$$-\frac{8x^4+5x^3+3x^2+9x+13}{x^5+x^2+x-1}$$

Sequence: A164422

Score: 6.82652

Type of gen. func.: lgdogf

$$-\frac{8x^8+24x^7+46x^6+60x^5+79x^4+76x^3+61x^2+28x+21}{(8x^4+12x^3+14x^2+8x+13)(x^5+x^4+x^3+x-1)}$$

Sequence: A164422

Score: 8.30422

Type of gen. func.: ogf

$$-\frac{8x^4+12x^3+14x^2+8x+13}{x^5+x^4+x^3+x-1}$$

Sequence: A164423
Score: 6.76324
Type of gen. func.: ogf

$$-\frac{8x^6+12x^5+6x^4+3x^3+x^2+8x+13}{x^7+x^6+x^2+x-1}$$

Sequence: A164424
Score: 5.98217
Type of gen. func.: lgdogf

$$-(8x^{10}+8x^9-10x^8-16x^7+7x^6-14x^5-25x^4+12x^3+15x^2-18x+21) \Big/ \left((x-1)(x^5+x^4+x-1)(8x^5+4x^4-6x^3-4x^2+5x-13)\right)$$

Sequence: A164424
Score: 8.04386
Type of gen. func.: ogf

$$-\frac{8x^5+4x^4-6x^3-4x^2+5x-13}{(x-1)(x^5+x^4+x-1)}$$

Sequence: A164425
Score: 6.85982
Type of gen. func.: lgdogf

$$-\frac{8x^8+24x^7+49x^6+66x^5+83x^4+78x^3+60x^2+30x+22}{(8x^4+12x^3+15x^2+9x+13)(x^5+x^4+x^3+x-1)}$$

Sequence: A164425
Score: 8.34394
Type of gen. func.: ogf

$$-\frac{8x^4+12x^3+15x^2+9x+13}{x^5+x^4+x^3+x-1}$$

Sequence: A164426
Score: 6.56450
Type of gen. func.: ogf

$$-\frac{8x^6+12x^5+14x^4+7x^3-13x^2-8x-13}{(x^3+x-1)(x^4+x^3-1)}$$

Sequence: A164427
Score: 7.09688
Type of gen. func.: lgdogf

$$-\frac{8x^8-8x^7-2x^6-16x^5-18x^4+12x^3+19x^2+30x+22}{(x^5-x^4-x^2-x+1)(8x^4-4x^3-2x^2-9x-13)}$$

Sequence: A164427
Score: 8.49734
Type of gen. func.: ogf

$$-\frac{8x^4-4x^3-2x^2-9x-13}{x^5-x^4-x^2-x+1}$$

Sequence: A164428
Score: 7.09688
Type of gen. func.: lgdogf

8 7 6 5 4 3 2

$$-\frac{8 x - 6 x - 3 x - 16 x - 17 x + 14 x + 16 x + 30 x + 22}{(x^5 - x^4 - x^2 - x + 1) (8 x^4 - 3 x^3 - 2 x^2 - 9 x - 13)}$$

Sequence: A164428
Score: 9.21847
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 + 1) (x^4 - x^3 - 1)}{x^5 - x^4 - x^2 - x + 1}$$

Sequence: A164429
Score: 10.2696
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 1) (x^2 - x + 1)}{(x - 1) (x^3 + x - 1)}$$

Sequence: A164429
Score: 9.09318
Type of gen. func.: lgdogf

$$-\frac{8 x^6 - 8 x^5 + 11 x^4 - 30 x^3 + 12 x^2 - 18 x + 21}{(x - 1) (x^3 + x - 1) (8 x^3 - 4 x^2 + 5 x - 13)}$$

Sequence: A164430
Score: 5.83399
Type of gen. func.: ogf

$$-\frac{8 x^6 + 12 x^5 + 14 x^4 + 8 x^3 - 2 x^2 - 8 x - 13}{x^7 + x^6 + x^5 - x^3 - x^2 - x + 1}$$

Sequence: A164431
Score: 5.57657

Type of gen. func.: lgdogf

$$-(8x^{10}+8x^9-10x^8+4x^7+x^6+12x^5+30x^4-22x^3+16x^2-16x+21) / ((x^2+x-1)(x^4-x^3+x^2-x+1)(8x^5+4x^4-6x^3+5x^2-5x+13))$$

Sequence: A164431
Score: 7.19101
Type of gen. func.: ogf

$$-\frac{8x^5+4x^4-6x^3+5x^2-5x+13}{(x^2+x-1)(x^4-x^3+x^2-x+1)}$$

Sequence: A164432
Score: 5.62239
Type of gen. func.: lgdogf

$$-(8x^{10}+8x^9+22x^8+36x^7+46x^6+72x^5+65x^4+64x^3+56x^2+26x+21) / ((8x^5+4x^4+10x^3+13x^2+8x+13)(x^6+x^4+x^3+x-1))$$

Sequence: A164432
Score: 7.46651
Type of gen. func.: ogf

$$-\frac{8x^5+4x^4+10x^3+13x^2+8x+13}{x^6+x^4+x^3+x-1}$$

Sequence: A164433
Score: 5.54850
Type of gen. func.: lgdogf

10 9 8 7 6 5 4 3 2

```
- (8 x   + 24 x  + 30 x  - 8 x  - 55 x  - 78 x  - 43 x  - 4 x  + 47 x  + 26 x

             /              5       4      3       2
     + 21)  /  ((x - 1) (8 x  + 12 x  + 6 x  - 13 x  - 8 x - 13)
           /

      5      4      3
    (x  + 2 x  + 2 x  - 1))
```

Sequence: A164433
Score: 7.77733
Type of gen. func.: ogf

```
                         5       4      3       2
                      8 x  + 12 x  + 6 x  - 13 x  - 8 x - 13
                    - --------------------------------------
                                    5      4      3
                          (x - 1) (x  + 2 x  + 2 x  - 1)
```

Sequence: A164434
Score: 6.34874
Type of gen. func.: ogf

```
                     6       5      4      3       2
                  8 x  + 12 x  + 7 x  - 4 x  - 17 x  - 10 x - 13
                - ----------------------------------------------
                             7    6    4      3
                            x  + x  - x  - 2 x  - x + 1
```

Sequence: A164435
Score: 6.46700
Type of gen. func.: ogf

```
                     6       5      4       3       2
                  8 x  + 12 x  + 7 x  + 12 x  + 15 x  + 9 x + 13
                - ----------------------------------------------
                             7    6    4    3
                            x  + x  + x  + x  + x - 1
```

Sequence: A164436
Score: 5.54850
Type of gen. func.: lgdogf

```
      10       9       8      7       6       5       4      3       2
- (8 x   + 26 x  + 34 x  - 2 x  - 50 x  - 78 x  - 42 x  - 6 x  + 45 x  + 24 x

             /            5      4      3
     + 21)  /  ((x - 1) (x  + 2 x  + 2 x  - 1)
           /

        5       4      3       2
```

$(8 x + 13 x + 7 x - 12 x - 8 x - 13))$

Sequence: A164436
Score: 7.77733
Type of gen. func.: ogf

$$-\frac{8 x^{5} + 13 x^{4} + 7 x^{3} - 12 x^{2} - 8 x - 13}{(x - 1) (x^{5} + 2 x^{4} + 2 x^{3} - 1)}$$

Sequence: A164437
Score: 7.16442
Type of gen. func.: ogf

$$-\frac{8 x^{5} + 21 x^{4} + 36 x^{3} + 37 x^{2} + 22 x + 13}{x^{6} + 2 x^{5} + 3 x^{4} + 2 x^{3} - 1}$$

Sequence: A164438
Score: 6.99476
Type of gen. func.: lgdogf

$$-\frac{8 x^{8} + 8 x^{7} + 6 x^{6} - 16 x^{5} - 37 x^{4} - 24 x^{3} - 2 x^{2} + 22 x + 21}{(x - 1) (x + 1) (x^{3} + x - 1) (8 x^{4} + 4 x^{3} + 2 x^{2} - 8 x - 13)}$$

Sequence: A164438
Score: 9.51012
Type of gen. func.: ogf

$$-\frac{8 x^{4} + 4 x^{3} + 2 x^{2} - 8 x - 13}{(x - 1) (x + 1) (x^{3} + x - 1)}$$

Sequence: A164439
Score: 5.73034
Type of gen. func.: lgdogf

$$- (8 x^{10} - 6 x^{9} + 29 x^{8} - 12 x^{7} + 41 x^{6} + 20 x^{5} + 18 x^{4} + 48 x^{3} + 11 x^{2} + 26 x + 21) / ((x^{6} - x^{5} + 2 x^{4} - x^{3} + x^{2} + x - 1) (8 x^{5} - 3 x^{4} + 14 x^{3} + 8 x + 13))$$

Sequence: A164439
Score: 7.25814
Type of gen. func.: ogf

$$- \frac{8 x^{5} - 3 x^{4} + 14 x^{3} + 8 x + 13}{x^{6} - x^{5} + 2 x^{4} - x^{3} + x^{2} + x - 1}$$

Sequence: A164440
Score: 6.63689
Type of gen. func.: lgdogf

$$- \frac{8 x^{8} - 6 x^{7} + 13 x^{6} - 12 x^{5} + 32 x^{4} - 16 x^{3} + 22 x^{2} - 14 x + 22}{(x^{5} - x^{4} + x^{3} - x^{2} + 2 x - 1) (8 x^{4} - 3 x^{3} + 6 x^{2} - 4 x + 13)}$$

Sequence: A164440
Score: 7.77416
Type of gen. func.: ogf

$$- \frac{8 x^{4} - 3 x^{3} + 6 x^{2} - 4 x + 13}{x^{5} - x^{4} + x^{3} - x^{2} + 2 x - 1}$$

Sequence: A164441
Score: 6.26004
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^{2} + 1) (x^{5} + x^{4} + 2 x^{3} + x^{2} + x + 1)}{x^{6} + x^{5} + 2 x^{4} + x^{3} + x^{2} - 1}$$

```
------------------------------------------------------------------------------

Sequence:  A164442
Score: 5.96476
Type of gen. func.: lgdogf


        10       9      8      7       6       5       4       3
     8 x   + 10 x  + 9 x  + 4 x  - 16 x  - 36 x  - 22 x  - 14 x  + 24 x + 21
   - -----------------------------------------------------------------------
                5    4    3    2          5      4      3    2
      (x - 1) (x  + x  + x  + x  - 1) (8 x  + 5 x  + 3 x  + x  - 8 x - 13)


------------------------------------------------------------------------------

Sequence:  A164442
Score: 8.55764
Type of gen. func.: ogf


                           5      4      3    2
                        8 x  + 5 x  + 3 x  + x  - 8 x - 13
                      - ----------------------------------
                                   5    4    3    2
                         (x - 1) (x  + x  + x  + x  - 1)


------------------------------------------------------------------------------

Sequence:  A164443
Score: 6.89783
Type of gen. func.: ogf


                         5       4      3      2
                      8 x  + 13 x  + 8 x  - 2 x  - 9 x - 13
                    - -------------------------------------
                                 5      4      3    2
                       (x - 1) (x  + 2 x  + 2 x  + x  - 1)


------------------------------------------------------------------------------

Sequence:  A164444
Score: 5.35004
Type of gen. func.: ogf


(113 f(x) - 423)

           4         3         2      3               2
    (f(x) x  - f(x) x  + f(x) x  + 8 x  + f(x) x - 2 x  - f(x) + 8 x + 13)


------------------------------------------------------------------------------

Sequence:  A164444
Score: 9.20213
Type of gen. func.: lgdogf


                    6      5       4       3      2
                 8 x  - 4 x  + 18 x  + 20 x  - 5 x  + 22 x + 21
               - -----------------------------------------------
                     3      2               4    3    2
```

$$(8 x - 2 x + 8 x + 13) (x - x + x + x - 1)$$

Sequence: A164444
Score: 9.73982
Type of gen. func.: ogf

$$-\frac{8 x^3 - 2 x^2 + 8 x + 13}{x^4 - x^3 + x^2 + x - 1}$$

Sequence: A164445
Score: 5.65313
Type of gen. func.: lgdogf

$$- (8 x^{10} + 8 x^9 - 10 x^8 - 12 x^7 - 15 x^6 - 32 x^5 - 7 x^4 + 24 x^3 + 24 x^2 + 32 x + 22) / ((8 x^5 + 4 x^4 - 6 x^3 - 3 x^2 - 9 x - 13) (x^6 - x^4 - x^2 - x + 1))$$

Sequence: A164445
Score: 7.48452
Type of gen. func.: ogf

$$-\frac{8 x^5 + 4 x^4 - 6 x^3 - 3 x^2 - 9 x - 13}{x^6 - x^4 - x^2 - x + 1}$$

Sequence: A164446
Score: 6.10408
Type of gen. func.: ogf

$$-\frac{8 x^6 - 4 x^5 + 6 x^4 + 3 x^3 - 6 x^2 + 4 x - 13}{(x - 1) (x^6 + x^4 + x^3 + x - 1)}$$

Sequence: A164447
Score: 7.75799
Type of gen. func.: ogf

$$-\frac{8x^5+4x^4-14x^3+9x^2+5x-13}{(x-1)(x+1)(x^2-x+1)(x^2+x-1)}$$

Sequence: A164448
Score: 6.49513
Type of gen. func.: lgdogf

$$-\frac{8x^9-2x^7-18x^6-20x^5+14x^4+22x^3+24x^2-3x-21}{(x-1)(x+1)(x^3+x-1)(8x^5-4x^4-2x^3-9x^2-5x+13)}$$

Sequence: A164448
Score: 7.89137
Type of gen. func.: ogf

$$-\frac{8x^5-4x^4-2x^3-9x^2-5x+13}{(x+1)(x^3+x-1)(x-1)^2}$$

Sequence: A164449
Score: 6.85311
Type of gen. func.: lgdogf

$$-\frac{8x^8+8x^7-7x^6+4x^5-16x^4-26x^3+22x^2-16x+21}{(x-1)(x^2+1)(x^2+x-1)(8x^4+4x^3-5x^2+5x-13)}$$

Sequence: A164449
Score: 8.61088
Type of gen. func.: ogf

$$-\frac{8x^4+4x^3-5x^2+5x-13}{(x-1)(x^2+1)(x^2+x-1)}$$

Sequence: A164450
Score: 6.46427
Type of gen. func.: lgdogf

$$-\frac{8x^8-22x^7+33x^6-16x^5-29x^4+48x^3-27x^2-18x+21}{(x-1)(8x^4-11x^3+9x^2+5x-13)(x^4-x^3+x^2+x-1)}$$

Sequence: A164450
Score: 8.33668
Type of gen. func.: ogf

$$-\frac{8x^4-11x^3+9x^2+5x-13}{(x-1)(x^4-x^3+x^2+x-1)}$$

Sequence: A164451
Score: 7.06158
Type of gen. func.: ogf

$$-\frac{8x^6-4x^5-2x^4-x^3+8x^2+5x-13}{(x-1)(x+1)(x^5-x^4+x^3-x^2+2x-1)}$$

Sequence: A164452
Score: 6.19460
Type of gen. func.: lgdogf

$$-\frac{8x^9-16x^8+6x^7+14x^6-38x^5+32x^4+10x^3-34x^2+41x-21}{(x-1)(x^4+x-1)(8x^5-12x^4+2x^3+8x^2-18x+13)}$$

Sequence: A164452
Score: 6.54479
Type of gen. func.: ogf

$$-\frac{8x^5-12x^4+2x^3+8x^2-18x+13}{(x^4+x-1)(x-1)^2}$$

Sequence: A164453
Score: 6.60452
Type of gen. func.: lgdogf

$$-\frac{8x^8-8x^7+14x^6-16x^5+34x^4-14x^3+20x^2-14x+21}{(8x^4-4x^3+6x^2-5x+13)(x^5-x^4+x^3-x^2+2x-1)}$$

Sequence: A164453
Score: 7.73696
Type of gen. func.: ogf

$$-\frac{8x^4-4x^3+6x^2-5x+13}{x^5-x^4+x^3-x^2+2x-1}$$

Sequence: A164454
Score: 5.51102
Type of gen. func.: lgdogf

$$-(8x^{11}+14x^9-34x^8-44x^6+46x^5+10x^4+53x^3-15x^2-5x-21) / ((x-1)(x^2+x+1)(8x^6-4x^5+6x^4-21x^3+5x^2-5x+13)(x^3+x-1))$$

Sequence: A164454
Score: 5.84086
Type of gen. func.: ogf

$$-\frac{8x^6-4x^5+6x^4-21x^3+5x^2-5x+13}{(x^2+x+1)(x^3+x-1)(x-1)^2}$$

Sequence: A164455
Score: 7.07584
Type of gen. func.: lgdogf

$$-\frac{2\,(16x^7-16x^6-16x^5-8x^4+27x^3+13x^2-3x-11)}{(x-1)\,(2x^3+x^2-1)\,(16x^4-16x^3-8x^2-4x+13)}$$

Sequence: A164455
Score: 9.19946
Type of gen. func.: ogf

$$-\frac{16x^4-16x^3-8x^2-4x+13}{(2x^3+x^2-1)\,(x-1)^2}$$

Sequence: A164456
Score: 6.44563
Type of gen. func.: lgdogf

$$-\frac{8x^8-22x^7+x^6+12x^5+41x^4-28x^3-19x^2-14x+22}{(x-1)\,(x^4-x^3-x^2-x+1)\,(8x^4-11x^3-7x^2-4x+13)}$$

Sequence: A164456
Score: 8.90563
Type of gen. func.: ogf

$$-\frac{8x^4-11x^3-7x^2-4x+13}{(x-1)\,(x^4-x^3-x^2-x+1)}$$

Sequence: A164457
Score: 6.81442
Type of gen. func.: lgdogf

$$-\frac{8x^8-38x^7+53x^6-28x^5+51x^4-68x^3+18x^2-18x+21}{(x-1)\,(x^4-2x^3-x+1)\,(8x^4-19x^3+4x^2-5x+13)}$$

Sequence: A164457
Score: 9.01483
Type of gen. func.: ogf

$$-\frac{x^7-2x^6+x^2+1}{(x-1)(x^4-2x^3-x+1)}$$

Sequence: A164458
Score: 8.88685
Type of gen. func.: lgdogf

$$-\frac{8x^7-18x^5-18x^4+24x^3+30x^2-x-21}{(x-1)(x^3+x^2-1)(8x^4-4x^3-10x^2-5x+13)}$$

Sequence: A164458
Score: 9.15860
Type of gen. func.: ogf

$$-\frac{8x^4-4x^3-10x^2-5x+13}{(x^3+x^2-1)(x-1)^2}$$

Sequence: A164459
Score: 6.45752
Type of gen. func.: ogf

$$-\frac{8x^6-4x^5+6x^4-12x^3-7x^2-5x+13}{(x^5+x^4+2x^3+x^2-1)(x-1)^2}$$

Sequence: A164460
Score: 6.38408
Type of gen. func.: ogf

$$-\frac{8x^6-4x^5-10x^4+3x^3+9x^2+5x-13}{(x-1)(x^6-x^4+x^2+x-1)}$$

Sequence: A164461
Score: 5.21955
Type of gen. func.: ogf

$$(11 f(x) - 71)$$

$$(2 f(x) x^4 - f(x) x^3 - f(x) x^2 + 16 x^3 - f(x) x + x^2 + f(x) - 8 x - 13)$$

Sequence: A164461
Score: 9.31591
Type of gen. func.: ogf

$$-\frac{16 x^3 + x^2 - 8 x - 13}{(x - 1) (2 x^3 + x^2 - 1)}$$

Sequence: A164461
Score: 9.37320
Type of gen. func.: lgdogf

$$-\frac{32 x^6 + 4 x^5 - 33 x^4 - 56 x^3 + 24 x + 21}{(x - 1) (2 x^3 + x^2 - 1) (16 x^3 + x^2 - 8 x - 13)}$$

Sequence: A164462
Score: 6.75611
Type of gen. func.: lgdogf

$$-\frac{8 x^8 + 8 x^7 - 10 x^6 + 8 x^5 - 15 x^4 - 28 x^3 + 21 x^2 - 14 x + 20}{(x - 1) (x^2 + 1) (8 x^4 + 4 x^3 - 6 x^2 + 6 x - 13) (x^2 + x - 1)}$$

Sequence: A164462
Score: 8.56987
Type of gen. func.: ogf

$$8 x^4 + 4 x^3 - 6 x^2 + 6 x - 13$$

$$- \frac{}{(x - 1) (x^2 + 1) (x^2 + x - 1)}$$

Sequence: A164463
Score: 10.4783
Type of gen. func.: ogf

$$- \frac{8 x^3 + 4 x^2 - 6 x + 13}{(x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A164463
Score: 5.96328
Type of gen. func.: ogf

$$(95 f(x) - 331) (f(x) x^4 - f(x) x^2 + 8 x^3 + 2 f(x) x + 4 x^2 - f(x) - 6 x + 13)$$

Sequence: A164463
Score: 8.56402
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^6 + 4 x^5 - 5 x^4 + 10 x^3 + 11 x^2 - 9 x + 10)}{(x^2 - x + 1) (x^2 + x - 1) (8 x^3 + 4 x^2 - 6 x + 13)}$$

Sequence: A164464
Score: 5.33661
Type of gen. func.: ogf

$$(9 f(x) - 14)$$

$$(f(x) x^4 - f(x) x^3 + f(x) x^2 + 8 x^3 - 2 f(x) x - 4 x^2 + f(x) + 6 x - 13)$$

Sequence: A164464
Score: 9.09318
Type of gen. func.: lgdogf

$$8 x^6 - 8 x^5 + 14 x^4 - 32 x^3 + 13 x^2 - 18 x + 20$$

```
     - --------------------------------------------------
                   3       2                 3
       (x - 1) (8 x  - 4 x  + 6 x - 13) (x  + x - 1)
```

Sequence: A164464
Score: 9.51012
Type of gen. func.: ogf

$$-\frac{8x^3-4x^2+6x-13}{(x-1)(x^3+x-1)}$$

Sequence: A164465
Score: 6.07445
Type of gen. func.: ogf

$$-\frac{8x^6-4x^5+5x^4+3x^3-6x^2+5x-13}{(x-1)(x^6+x^4+x^3+x-1)}$$

Sequence: A164466
Score: 7.53501
Type of gen. func.: lgdogf

$$-\frac{8x^8-8x^7-5x^6+14x^5-31x^4+4x^3+12x^2-20x+20}{(x-1)(8x^4-4x^3-3x^2+6x-13)(x^4+x-1)}$$

Sequence: A164466
Score: 9.02920
Type of gen. func.: ogf

$$\frac{(x+1)(x^2-x+1)(x^3+x^2+1)}{(x-1)(x^4+x-1)}$$

Sequence: A164467
Score: 6.46427
Type of gen. func.: lgdogf

$$-\frac{8x^8 - 24x^7 + 35x^6 - 12x^5 - 35x^4 + 48x^3 - 24x^2 - 18x + 20}{(x - 1)(8x^4 - 12x^3 + 9x^2 + 6x - 13)(x^4 - x^3 + x^2 + x - 1)}$$

Sequence: A164467
Score: 8.33668
Type of gen. func.: ogf

$$-\frac{8x^4 - 12x^3 + 9x^2 + 6x - 13}{(x - 1)(x^4 - x^3 + x^2 + x - 1)}$$

Sequence: A164468
Score: 5.22961
Type of gen. func.: ogf

$$-(41 f(x) - 108)$$

$$(f(x) x^4 - f(x) x^3 + f(x) x^2 + 8x^3 - 2 f(x) x - 3x^2 + f(x) + 6x - 13)$$

Sequence: A164468
Score: 9.29812
Type of gen. func.: lgdogf

$$-\frac{8x^6 - 6x^5 + 13x^4 - 32x^3 + 15x^2 - 20x + 20}{(x - 1)(8x^3 - 3x^2 + 6x - 13)(x^3 + x - 1)}$$

Sequence: A164468
Score: 9.72171
Type of gen. func.: ogf

$$-\frac{8x^3 - 3x^2 + 6x - 13}{(x - 1)(x^3 + x - 1)}$$

Sequence: A164469
Score: 5.94455
Type of gen. func.: lgdogf

$$-(8x^{10}-8x^{9}+14x^{8}-16x^{7}+23x^{6}-40x^{5}+18x^{4}-24x^{3}+17x^{2}-16x+20)\Big/\left((x-1)(8x^{5}-4x^{4}+6x^{3}-5x^{2}+6x-13)(x^{5}+x^{3}+x-1)\right)$$

Sequence: A164469
Score: 6.88445
Type of gen. func.: ogf

$$-\frac{8x^{5}-4x^{4}+6x^{3}-5x^{2}+6x-13}{(x-1)(x^{5}+x^{3}+x-1)}$$

Sequence: A164470
Score: 6.17251
Type of gen. func.: lgdogf

$$-\frac{2(4x^{9}+8x^{8}-13x^{7}-19x^{6}+7x^{5}+3x^{4}+32x^{3}-6x^{2}-2x-10)}{(x-1)(x^{4}+2x^{3}-1)(8x^{5}+4x^{4}-22x^{3}+5x^{2}-6x+13)}$$

Sequence: A164470
Score: 7.15173
Type of gen. func.: ogf

$$-\frac{8x^{5}+4x^{4}-22x^{3}+5x^{2}-6x+13}{(x^{4}+2x^{3}-1)(x-1)^{2}}$$

Sequence: A164471
Score: 5.00527
Type of gen. func.: ogf

$-(26 f(x) - 369) ($

$$2 f(x) x^4 - 2 f(x) x^3 + f(x) x^2 + 16 x^3 - 2 f(x) x - 6 x^2 + f(x) + 5 x - 13$$

$$)$$

Sequence: A164471
Score: 8.43276
Type of gen. func.: lgdogf

$$-\frac{32 x^6 - 24 x^5 + 26 x^4 - 60 x^3 + 23 x^2 - 14 x + 21}{(x - 1) (2 x^3 + x - 1) (16 x^3 - 6 x^2 + 5 x - 13)}$$

Sequence: A164471
Score: 9.25027
Type of gen. func.: ogf

$$-\frac{16 x^3 - 6 x^2 + 5 x - 13}{(x - 1) (2 x^3 + x - 1)}$$

Sequence: A164472
Score: 5.88579
Type of gen. func.: lgdogf

$$- (8 x^{10} + 8 x^9 + 6 x^8 - 28 x^7 - 37 x^6 - 46 x^5 + 2 x^4 + 24 x^3 + 57 x^2 + 30 x$$

$$+ 22) \Big/ ((x^6 - 2 x^3 - x + 1) (8 x^5 + 4 x^4 + 2 x^3 - 15 x^2 - 9 x - 13))$$

Sequence: A164472
Score: 8.27909
Type of gen. func.: ogf

$$-\frac{8 x^5 + 4 x^4 + 2 x^3 - 15 x^2 - 9 x - 13}{x^6 - 2 x^3 - x + 1}$$

Sequence: A164473

Score: 6.26706
Type of gen. func.: ogf

$$-\frac{8x^6-4x^5-2x^4+7x^3-5x^2+5x-13}{(x-1)(x^6+x^3+x-1)}$$

Sequence: A164474
Score: 6.74858
Type of gen. func.: lgdogf

$$-\frac{8x^8-40x^7+56x^6-32x^5+59x^4-68x^3+16x^2-18x+20}{(x-1)(x^4-2x^3-x+1)(8x^4-20x^3+4x^2-6x+13)}$$

Sequence: A164474
Score: 7.82177
Type of gen. func.: ogf

$$-\frac{8x^4-20x^3+4x^2-6x+13}{(x-1)(x^4-2x^3-x+1)}$$

Sequence: A164475
Score: 7.06928
Type of gen. func.: lgdogf

$$-\frac{2(4x^8+12x^7-x^6-24x^5-21x^4-16x^3+16x^2+10x+10)}{(x-1)(x^4+2x^3-1)(8x^4+12x^3-10x^2-7x-13)}$$

Sequence: A164475
Score: 8.68061
Type of gen. func.: ogf

$$-\frac{8x^4+12x^3-10x^2-7x-13}{(x-1)(x^4+2x^3-1)}$$

Sequence: A164476
Score: 11.4562
Type of gen. func.: ogf

$$\frac{x^5 - x^3 - 1}{(x^3 + x^2 - 1)\,(x - 1)^2}$$

Sequence: A164476
Score: 8.96484
Type of gen. func.: lgdogf

$$-\frac{8 x^7 - 18 x^5 - 22 x^4 + 23 x^3 + 31 x^2 - 20}{(x - 1)\,(x^3 + x^2 - 1)\,(8 x^4 - 4 x^3 - 10 x^2 - 6 x + 13)}$$

Sequence: A164477
Score: 5.57900
Type of gen. func.: lgdogf

$$- (8 x^{10} - 6 x^9 - 3 x^8 + 16 x^7 + 7 x^6 - 34 x^5 + 14 x^4 + 14 x^3 - 19 x^2 - 14 x + 21) \Big/ \left((x - 1)\,(x^5 + x^2 + x - 1)\,(8 x^5 - 3 x^4 - 2 x^3 + 7 x^2 + 5 x - 13)\right)$$

Sequence: A164477
Score: 7.44765
Type of gen. func.: ogf

$$-\frac{8 x^5 - 3 x^4 - 2 x^3 + 7 x^2 + 5 x - 13}{(x - 1)\,(x^5 + x^2 + x - 1)}$$

Sequence: A164478
Score: 5.91610
Type of gen. func.: lgdogf

$$-(8x^{10} - 8x^9 + 14x^8 - 12x^7 + 20x^6 - 38x^5 + 17x^4 - 24x^3 + 19x^2 - 18x + 20) \Big/ ((x - 1)(x^5 + x^3 + x - 1)(8x^5 - 4x^4 + 6x^3 - 4x^2 + 6x - 13))$$

Sequence: A164478
Score: 6.85213
Type of gen. func.: ogf

$$-\frac{8x^5 - 4x^4 + 6x^3 - 4x^2 + 6x - 13}{(x - 1)(x^5 + x^3 + x - 1)}$$

Sequence: A164479
Score: 5.72189
Type of gen. func.: lgdogf

$$-(8x^{10} - 22x^9 + 17x^8 + 12x^7 - 11x^6 - 38x^5 + 47x^4 + 6x^3 - 26x^2 - 16x + 21) \Big/ ((x - 1)(8x^5 - 11x^4 + x^3 + 8x^2 + 5x - 13)(x^5 - x^4 + x^2 + x - 1))$$

Sequence: A164479
Score: 7.24878
Type of gen. func.: ogf

$$-\frac{8x^5 - 11x^4 + x^3 + 8x^2 + 5x - 13}{(x - 1)(x^5 - x^4 + x^2 + x - 1)}$$

Sequence: A164480
Score: 10.4769
Type of gen. func.: lgdogf

$$x^6 - 14x^4 - 6x^3 + 23x^2 + 16x - 21$$

$$\overline{(x - 1) (x^2 + x - 1) (x^4 + 8 x^2 + 5 x - 13)}$$

Sequence: A164480
Score: 10.8131
Type of gen. func.: ogf

$$- \frac{x^8 + x^5 + x^4 - x^3 - 1}{(x - 1) (x^2 + x - 1)}$$

Sequence: A164481
Score: 5.67754
Type of gen. func.: lgdogf

$$- (8 x^{10} - 24 x^9 + 22 x^8 + 8 x^7 - 9 x^6 - 38 x^5 + 41 x^4 + 14 x^3 - 29 x^2 - 16 x + 21) / ((x - 1) (x^5 - x^4 + x^2 + x - 1) (8 x^5 - 12 x^4 + 2 x^3 + 8 x^2 + 5 x - 13))$$

Sequence: A164481
Score: 7.24878
Type of gen. func.: ogf

$$- \frac{8 x^5 - 12 x^4 + 2 x^3 + 8 x^2 + 5 x - 13}{(x - 1) (x^5 - x^4 + x^2 + x - 1)}$$

Sequence: A164482
Score: 11.1193
Type of gen. func.: ogf

$$- \frac{8 x^3 + 4 x^2 - 7 x - 13}{(x - 1) (x^3 + x^2 - 1)}$$

Sequence: A164482
Score: 9.31217
Type of gen. func.: lgdogf

$$-\frac{8x^6+8x^5-13x^4-36x^3-13x^2+18x+20}{(x-1)(x^3+x^2-1)(8x^3+4x^2-7x-13)}$$

Sequence: A164483
Score: 6.66355
Type of gen. func.: lgdogf

$$-\frac{2(4x^9+9x^8-12x^7-22x^6+3x^5+6x^4+30x^3-6x^2-10)}{(x-1)(x^4+2x^3-1)(8x^5+5x^4-22x^3+3x^2-6x+13)}$$

Sequence: A164483
Score: 7.45176
Type of gen. func.: ogf

$$-\frac{8x^5+5x^4-22x^3+3x^2-6x+13}{(x^4+2x^3-1)(x-1)^2}$$

Sequence: A164484
Score: 7.04030
Type of gen. func.: lgdogf

$$-\frac{2(17x^7-11x^6-17x^5-14x^4+27x^3+11x^2-x-10)}{(x-1)(2x^3+x^2-1)(17x^4-14x^3-9x^2-6x+13)}$$

Sequence: A164484
Score: 9.06614
Type of gen. func.: ogf

$$-\frac{17x^4-14x^3-9x^2-6x+13}{(2x^3+x^2-1)(x-1)^2}$$

Sequence: A164485
Score: 11.7931
Type of gen. func.: lgdogf

$$-\frac{9 x^4 + 10 x^3 - 21 x^2 - 18 x + 21}{(x - 1) (9 x^2 + 5 x - 13) (x^2 + x - 1)}$$

Sequence: A164485
Score: 13.5830
Type of gen. func.: ogf

$$-\frac{9 x^2 + 5 x - 13}{(x - 1) (x^2 + x - 1)}$$

Sequence: A164485
Score: 7.33483
Type of gen. func.: ogf

$$-(f(x) + 131) (f(x) x^3 - 2 f(x) x + 9 x^2 + f(x) + 5 x - 13)$$

Sequence: A164485
Score: 7.56168
Type of gen. func.: ogf

{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 13, a(1) = 21, a(2) = 33}

Sequence: A164486
Score: 13.2933
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^4 - 4 x^3 - 9 x^2 + 8 x + 10)}{(x - 1) (x + 1) (8 x^3 - 12 x^2 - 6 x + 13)}$$

Sequence: A164486
Score: 3.10328
Type of gen. func.: ogf

$$-f(x)\,x^4 + 2\,f(x)\,x^3 - 2\,x^3 - 2\,f(x)\,x + f(x) - 1$$

Sequence: A164486
Score: 4.62768
Type of gen. func.: ogf

$$-\frac{2\,x^3 + 1}{(x + 1)\,(x - 1)^3}$$

Sequence: A164487
Score: 7.66855
Type of gen. func.: lgdogf

$$-\frac{8\,x^7 - 16\,x^6 + 19\,x^5 - 45\,x^4 + 44\,x^3 - 32\,x^2 + 40\,x - 20}{(x - 1)\,(x^3 + x - 1)\,(8\,x^4 - 12\,x^3 + 9\,x^2 - 19\,x + 13)}$$

Sequence: A164487
Score: 8.70492
Type of gen. func.: ogf

$$\frac{x^6 + x^4 - x^2 + x - 1}{(x^3 + x - 1)\,(x - 1)^2}$$

Sequence: A164488
Score: 6.26706
Type of gen. func.: ogf

$$-\frac{8\,x^6 - 4\,x^5 - 2\,x^4 + 6\,x^3 - 4\,x^2 + 5\,x - 13}{(x - 1)\,(x^6 + x^3 + x - 1)}$$

Sequence: A164489
Score: 6.27116
Type of gen. func.: ogf

$$-\frac{8x^6-4x^5-11x^4+2x^3+10x^2+6x-13}{(x-1)(x^6-x^4+x^2+x-1)}$$

Sequence: A164490
Score: 6.40604
Type of gen. func.: lgdogf

$$-\frac{8x^8-24x^7+38x^6-20x^5-27x^4+44x^3-22x^2-20x+21}{(x-1)(8x^4-12x^3+10x^2+5x-13)(x^4-x^3+x^2+x-1)}$$

Sequence: A164490
Score: 8.24194
Type of gen. func.: ogf

$$-\frac{8x^4-12x^3+10x^2+5x-13}{(x-1)(x^4-x^3+x^2+x-1)}$$

Sequence: A164491
Score: 5.58369
Type of gen. func.: lgdogf

$$-(8x^{10}+24x^9+33x^8+30x^7+38x^6+62x^5+62x^4+34x^3+27x^2+34x+23) \Big/ \left((x^6+x^5+x^2+x-1)(8x^5+12x^4+7x^3+4x^2+10x+13)\right)$$

Sequence: A164491
Score: 7.47300
Type of gen. func.: ogf

$$-\frac{8x^5+12x^4+7x^3+4x^2+10x+13}{x^6+x^5+x^2+x-1}$$

Sequence: A164492
Score: 7.02730
Type of gen. func.: ogf

$$-\frac{8x^6+4x^5+2x^4+9x^3+5x^2-5x+13}{x^7+x^4-x^2+2x-1}$$

Sequence: A164493
Score: 5.91214
Type of gen. func.: ogf

$$-\frac{8x^6+4x^5+10x^4-2x^3+7x^2-4x+13}{x^7+x^5-x^4+x^3-x^2+2x-1}$$

Sequence: A164494
Score: 11.6270
Type of gen. func.: ogf

$$-\frac{7x^2-3x+13}{x^3-x^2+2x-1}$$

Sequence: A164494
Score: 11.7835
Type of gen. func.: lgdogf

$$-\frac{7x^4-6x^3+28x^2-12x+23}{(x^3-x^2+2x-1)(7x^2-3x+13)}$$

Sequence: A164494

Score: 6.26846
Type of gen. func.: ogf

$$(127 f(x) - 71) (f(x) x^3 - f(x) x^2 + 2 f(x) x + 7 x^2 - f(x) - 3 x + 13)$$

Sequence: A164494
Score: 6.26847
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n + 1) - a(n), a(0) = 13, a(1) = 23, a(2) = 40\}$$

Sequence: A164495
Score: 5.76225
Type of gen. func.: lgdogf

$$- 2 (4 x^{10} + 5 x^9 + 11 x^8 + 12 x^7 + 7 x^6 + 18 x^5 + 4 x^4 + 16 x^3 + 11 x^2 - 7 x + 11) / ((8 x^5 + 5 x^4 + 10 x^3 + 6 x^2 - 4 x + 13) (x^6 + x^4 - x^2 + 2 x - 1))$$

Sequence: A164495
Score: 7.72913
Type of gen. func.: ogf

$$- \frac{8 x^5 + 5 x^4 + 10 x^3 + 6 x^2 - 4 x + 13}{x^6 + x^4 - x^2 + 2 x - 1}$$

Sequence: A164496
Score: 5.28420
Type of gen. func.: lgdogf

$$- (8 x^{10} - 8 x^9 + 30 x^8 - 24 x^7 + 16 x^6 + 6 x^5 - 17 x^4 + 52 x^3 - 22 x^2 - 14 x + 21) / ((x^6 - x^5 + 2 x^4 - 2 x^3 + 2 x - 1) (8 x^5 - 4 x^4 + 14 x^3 - 7 x^2 - 5 x + 13))$$

Sequence: A164496
Score: 6.95908
Type of gen. func.: ogf

$$-\frac{8x^5 - 4x^4 + 14x^3 - 7x^2 - 5x + 13}{x^6 - x^5 + 2x^4 - 2x^3 + 2x - 1}$$

Sequence: A164497
Score: 6.88480
Type of gen. func.: lgdogf

$$-\frac{8x^8 + 24x^7 + 4x^6 - 36x^5 + 18x^4 + 56x^3 - 26x^2 - 16x + 21}{(x^3 - x + 1)(x^2 + x - 1)(8x^4 + 12x^3 - 8x^2 - 5x + 13)}$$

Sequence: A164497
Score: 8.47137
Type of gen. func.: ogf

$$-\frac{8x^4 + 12x^3 - 8x^2 - 5x + 13}{(x^2 + x - 1)(x^3 - x + 1)}$$

Sequence: A164498
Score: 6.60795
Type of gen. func.: ogf

$$-\frac{8x^6 + 4x^5 - 6x^4 + 13x^3 - 9x^2 - 5x + 13}{(x^2 + x - 1)(x^5 - x^4 + x^3 - x + 1)}$$

Sequence: A164499
Score: 5.72806
Type of gen. func.: lgdogf

$$-(8x^{10} - 8x^9 - 2x^8 - 16x^7 + 41x^6 - 30x^5 + 4x^4 - 32x^3 + 72x^2 - 60x$$

$$+ 21) \Big/ \left((x - 1) (x^5 - x^2 + 2 x - 1) (8 x^5 - 4 x^4 - 2 x^3 - 9 x^2 + 18 x - 13)\right)$$

Sequence: A164499
Score: 7.14521
Type of gen. func.: ogf

$$-\frac{8 x^5 - 4 x^4 - 2 x^3 - 9 x^2 + 18 x - 13}{(x - 1) (x^5 - x^2 + 2 x - 1)}$$

Sequence: A164500
Score: 6.63689
Type of gen. func.: lgdogf

$$-\frac{8 x^8 - 8 x^7 + 17 x^6 - 18 x^5 + 35 x^4 - 14 x^3 + 18 x^2 - 12 x + 21}{(8 x^4 - 4 x^3 + 7 x^2 - 5 x + 13) (x^5 - x^4 + x^3 - x^2 + 2 x - 1)}$$

Sequence: A164500
Score: 7.77416
Type of gen. func.: ogf

$$-\frac{8 x^4 - 4 x^3 + 7 x^2 - 5 x + 13}{x^5 - x^4 + x^3 - x^2 + 2 x - 1}$$

Sequence: A164501
Score: 7.81135
Type of gen. func.: ogf

$$-\frac{8 x^6 + 4 x^5 + 3 x^4 + x^3 - 7 x^2 - 4 x + 13}{x^7 - x^3 + 2 x - 1}$$

Sequence: A164502
Score: 5.80233
Type of gen. func.: lgdogf

$$-2\left(4x^{10}+5x^{9}+14x^{8}-2x^{7}-4x^{6}-2x^{5}+5x^{4}+24x^{3}-12x^{2}-9x+10\right)\Big/\left((x^{6}+x^{4}-2x^{3}+2x-1)(8x^{5}+5x^{4}+12x^{3}-9x^{2}-6x+13)\right)$$

Sequence: A164502
Score: 7.78435
Type of gen. func.: ogf

$$-\frac{8x^{5}+5x^{4}+12x^{3}-9x^{2}-6x+13}{x^{6}+x^{4}-2x^{3}+2x-1}$$

Sequence: A164503
Score: 6.59822
Type of gen. func.: ogf

$$-\frac{8x^{6}+4x^{5}+10x^{4}+5x^{3}-5x^{2}+5x-13}{(x^{3}+x-1)(x^{4}+x-1)}$$

Sequence: A164504
Score: 7.21425
Type of gen. func.: ogf

$$-\frac{8x^{5}+5x^{4}+18x^{3}-5x^{2}+4x-13}{(x^{3}+x-1)^{2}}$$

Sequence: A164504
Score: 7.67207
Type of gen. func.: lgdogf

$$2\left(4x^{7}+5x^{6}+15x^{5}+5x^{4}+11x^{3}-12x^{2}-3x-11\right)$$

$$-\frac{}{(x^{3}+x-1)\,(8x^{5}+5x^{4}+18x^{3}-5x^{2}+4x-13)}$$

Sequence: A164505
Score: 7.04166
Type of gen. func.: ogf

$$-\frac{8x^{5}+5x^{4}+20x^{3}-4x^{2}+6x-13}{(x^{3}+x-1)^{2}}$$

Sequence: A164505
Score: 7.72902
Type of gen. func.: lgdogf

$$-\frac{2\,(4x^{7}+5x^{6}+18x^{5}+7x^{4}+15x^{3}-9x^{2}-x-10)}{(x^{3}+x-1)\,(8x^{5}+5x^{4}+20x^{3}-4x^{2}+6x-13)}$$

Sequence: A164506
Score: 6.28758
Type of gen. func.: lgdogf

$$-\frac{2\,(15x^{8}-28x^{7}+27x^{6}-5x^{5}-31x^{4}+28x^{3}-11x^{2}-7x+11)}{(x-1)\,(15x^{4}-14x^{3}+7x^{2}+4x-13)\,(2x^{4}-x^{3}+x^{2}+x-1)}$$

Sequence: A164506
Score: 8.30422
Type of gen. func.: ogf

$$-\frac{15x^{4}-14x^{3}+7x^{2}+4x-13}{(x-1)\,(2x^{4}-x^{3}+x^{2}+x-1)}$$

Sequence: A164507
Score: 6.96620
Type of gen. func.: ogf

$$-\frac{x^8+x^7+x^6+x^5+2x^4-x^3-1}{x^7+x^5-x^4+x^3-2x+1}$$

Sequence: A164508
Score: 5.56794
Type of gen. func.: lgdogf

$$-2(x+1)\,(4x^9-16x^8+35x^7-43x^6+32x^5-x^4-21x^3+29x^2-17x+10)\Big/\big((x^6-2x^5+2x^4-x^2+2x-1)\,(8x^5-12x^4+10x^3+6x^2-6x+13)\big)$$

Sequence: A164508
Score: 8.32521
Type of gen. func.: ogf

$$-\frac{(x+1)(x^5-x^4+2x^2-x+1)}{x^6-2x^5+2x^4-x^2+2x-1}$$

Sequence: A164509
Score: 5.18558
Type of gen. func.: lgdogf

$$-(8x^{10}+24x^9+46x^8+76x^7+95x^6+114x^5+112x^4+90x^3+65x^2+32x+22)\Big/\big((8x^5+12x^4+14x^3+16x^2+9x+13)\,(x^6+x^5+x^4+x^3+x-1)\big)$$

Sequence: A164509
Score: 7.32122
Type of gen. func.: ogf

$$-\frac{(x+1)(x^2+1)(x^3+x^2+1)}{x^6+x^5+x^4+x^3+x-1}$$

Sequence: A164532
Score: 10.4537
Type of gen. func.: ogf

$$(3 f(x) + 1) (6 f(x) x^2 - f(x) + 4 x + 1)$$

Sequence: A164532
Score: 10.9437
Type of gen. func.: ogf

{a(n + 2) - 6 a(n), a(0) = 1, a(1) = 4}

Sequence: A164532
Score: 17.0829
Type of gen. func.: ogf

$$-\frac{1+4x}{6x^2-1}$$

Sequence: A164532
Score: 18.0771
Type of gen. func.: revogf

$$\frac{-1+(24x^2+16x+1)^{1/2}}{4(3x+2)}$$

Sequence: A164532
Score: 20.2038
Type of gen. func.: lgdogf

$$-\frac{4(6x^2+3x+1)}{^2}$$

$$(4 x + 1) (6 x - 1)$$

Sequence: A164535
Score: 12.0480
Type of gen. func.: ogf

$$-\frac{4 x - 3}{14 x^{2} - 8 x + 1}$$

Sequence: A164535
Score: 12.9102
Type of gen. func.: revogf

$$-\frac{-3 - 8 x + (8 x^{2} + 32 x + 9)^{1/2}}{4 (2 + 7 x)}$$

Sequence: A164535
Score: 13.2251
Type of gen. func.: lgdogf

$$-\frac{4 (14 x^{2} - 21 x + 5)}{(4 x - 3) (14 x^{2} - 8 x + 1)}$$

Sequence: A164535
Score: 6.29785
Type of gen. func.: ogf

$$(19 f(x) + 43) (14 f(x) x^{2} - 8 f(x) x + f(x) + 4 x - 3)$$

Sequence: A164535
Score: 6.59774
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 14 a(n), a(0) = 3, a(1) = 20\}$$

Sequence: A164536
Score: 12.6840
Type of gen. func.: ogf

$$-\frac{7x-3}{23x^2-10x+1}$$

Sequence: A164536
Score: 13.2765
Type of gen. func.: revogf

$$-\frac{-3-10x+(8x^2+32x+9)^{1/2}}{2(7+23x)}$$

Sequence: A164536
Score: 14.2480
Type of gen. func.: lgdogf

$$-\frac{23(7x^2-6x+1)}{(7x-3)(23x^2-10x+1)}$$

Sequence: A164536
Score: 6.6239
Type of gen. func.: ogf

$$(78 f(x) + 295)(23 f(x) x^2 - 10 f(x) x + f(x) + 7x - 3)$$

Sequence: A164536
Score: 7.01353
Type of gen. func.: ogf

$$\{-a(n+2) + 10 a(n+1) - 23 a(n), a(0) = 3, a(1) = 23\}$$

Sequence: A164537
Score: 11.8554
Type of gen. func.: ogf

$$-\frac{12x-5}{14x^2-8x+1}$$

Sequence: A164537
Score: 12.3914
Type of gen. func.: lgdogf

$$-\frac{28(-1+3x)(2x-1)}{(12x-5)(14x^2-8x+1)}$$

Sequence: A164537
Score: 12.6796
Type of gen. func.: revogf

$$-\frac{-5-8x+(8x^2+32x+25)^{1/2}}{4(6+7x)}$$

Sequence: A164537
Score: 6.05659
Type of gen. func.: ogf

$$(325 f(x)+1511)(14 f(x) x^2-8 f(x) x+f(x)+12x-5)$$

Sequence: A164537
Score: 6.63340
Type of gen. func.: ogf

$$\{-a(n+2)+8a(n+1)-14a(n),\ a(0)=5,\ a(1)=28\}$$

Sequence: A164538
Score: 12.5446
Type of gen. func.: ogf

$$-\frac{17x-5}{23x^2-10x+1}$$

Sequence: A164538
Score: 12.8295
Type of gen. func.: revogf

$$-\frac{-5 - 10 x + (8 x^2 + 32 x + 25)^{1/2}}{2 (17 + 23 x)}$$

Sequence: A164538
Score: 13.4127
Type of gen. func.: lgdogf

$$-\frac{391 x^2 - 230 x + 33}{(17 x - 5) (23 x^2 - 10 x + 1)}$$

Sequence: A164538
Score: 6.54502
Type of gen. func.: ogf

$$(100 f(x) + 589) (23 f(x) x^2 - 10 f(x) x + f(x) + 17 x - 5)$$

Sequence: A164538
Score: 7.08402
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 23 a(n), a(0) = 5, a(1) = 33\}$$

Sequence: A164539
Score: 14.5085
Type of gen. func.: ogf

$$-\frac{11 x + 1}{7 x^2 + 2 x - 1}$$

Sequence: A164539

Score: 15.2251
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (32 x^{2} + 48 x + 1)^{1/2}}{2 (11 + 7 x)}$$

Sequence: A164539
Score: 16.3670
Type of gen. func.: lgdogf

$$- \frac{77 x^{2} + 14 x + 13}{(11 x + 1) (7 x^{2} + 2 x - 1)}$$

Sequence: A164539
Score: 7.49878
Type of gen. func.: ogf

$$(40 f(x) + 129) (7 f(x) x^{2} + 2 f(x) x - f(x) + 11 x + 1)$$

Sequence: A164539
Score: 8.04084
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) - 7 a(n), a(0) = 1, a(1) = 13\}$$

Sequence: A164540
Score: 13.6409
Type of gen. func.: ogf

$$- \frac{10 x + 1}{4 x^{2} + 4 x - 1}$$

Sequence: A164540
Score: 14.6456
Type of gen. func.: revogf

$$^{2} \qquad\qquad ^{1/2}$$

$$\frac{-1 - 4 x + (32 x + 48 x + 1)}{4 (5 + 2 x)}$$

Sequence: A164540
Score: 15.3779
Type of gen. func.: lgdogf

$$- \frac{2 (20 x^{2} + 4 x + 7)}{(10 x + 1) (4 x^{2} + 4 x - 1)}$$

Sequence: A164540
Score: 7.13047
Type of gen. func.: ogf

$$(16 f(x) + 33) (4 f(x) x^{2} + 4 f(x) x - f(x) + 10 x + 1)$$

Sequence: A164540
Score: 7.56001
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 14\}$$

Sequence: A164541
Score: 12.4489
Type of gen. func.: ogf

$$\frac{9 x + 1}{x^{2} - 6 x + 1}$$

Sequence: A164541
Score: 13.0528
Type of gen. func.: revogf

$$- \frac{-1 - 6 x + (32 x^{2} + 48 x + 1)^{1/2}}{2 (-9 + x)}$$

Sequence: A164541
Score: 15.2283
Type of gen. func.: lgdogf

$$-\frac{9 x^2 + 2 x - 15}{(9 x + 1) (x^2 - 6 x + 1)}$$

Sequence: A164541
Score: 6.36593
Type of gen. func.: ogf

$$(88 f(x) + 137) (f(x) x^2 - 6 f(x) x + f(x) - 9 x - 1)$$

Sequence: A164541
Score: 6.74942
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - a(n), a(0) = 1, a(1) = 15\}$$

Sequence: A164542
Score: 13.3144
Type of gen. func.: ogf

$$\frac{8 x + 1}{8 x^2 - 8 x + 1}$$

Sequence: A164542
Score: 13.9801
Type of gen. func.: revogf

$$-\frac{-1 - 8 x + (32 x^2 + 48 x + 1)^{1/2}}{16 (x - 1)}$$

Sequence: A164542
Score: 15.4517

Type of gen. func.: lgdogf

$$-\frac{16\,(4\,x^2+x-1)}{(8\,x+1)\,(8\,x^2-8\,x+1)}$$

Sequence: A164542
Score: 6.73198
Type of gen. func.: ogf

$$(193\,f(x)+831)\,(8\,f(x)\,x^2-8\,f(x)\,x+f(x)-8\,x-1)$$

Sequence: A164542
Score: 7.21863
Type of gen. func.: ogf

$$\{-a(n+2)+8\,a(n+1)-8\,a(n),\ a(0)=1,\ a(1)=16\}$$

Sequence: A164543
Score: 13.4489
Type of gen. func.: ogf

$$\frac{7\,x+1}{17\,x^2-10\,x+1}$$

Sequence: A164543
Score: 13.4808
Type of gen. func.: revogf

$$-\frac{-1-10\,x+(32\,x^2+48\,x+1)^{1/2}}{2\,(-7+17\,x)}$$

Sequence: A164543
Score: 15.1248
Type of gen. func.: lgdogf

$$17\,(7\,x^2+2\,x-1)$$

$$-\frac{}{(7 x + 1) (17 x^2 - 10 x + 1)}$$

Sequence: A164543
Score: 7.02333
Type of gen. func.: ogf

$$(64 f(x) + 225) (17 f(x) x^2 - 10 f(x) x + f(x) - 7 x - 1)$$

Sequence: A164543
Score: 7.43646
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 17 a(n), a(0) = 1, a(1) = 17\}$$

Sequence: A164544
Score: 14.4778
Type of gen. func.: ogf

$$-\frac{5 x + 1}{7 x^2 + 2 x - 1}$$

Sequence: A164544
Score: 15.2092
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (32 x^2 + 24 x + 1)^{1/2}}{2 (5 + 7 x)}$$

Sequence: A164544
Score: 16.8102
Type of gen. func.: lgdogf

$$-\frac{7 (5 x^2 + 2 x + 1)}{(5 x + 1) (7 x^2 + 2 x - 1)}$$

Sequence: A164544
Score: 7.15935
Type of gen. func.: ogf

$$-(16 f(x) + 33) (7 f(x) x^2 + 2 f(x) x - f(x) + 5 x + 1)$$

Sequence: A164544
Score: 7.94512
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) - 7 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A164545
Score: 13.6006
Type of gen. func.: ogf

$$- \frac{4 x + 1}{4 x^2 + 4 x - 1}$$

Sequence: A164545
Score: 14.9915
Type of gen. func.: revogf

$$\frac{-1 - 4 x + (32 x^2 + 24 x + 1)^{1/2}}{8 (1 + x)}$$

Sequence: A164545
Score: 16.6573
Type of gen. func.: lgdogf

$$- \frac{8 (2 x^2 + x + 1)}{(4 x + 1) (4 x^2 + 4 x - 1)}$$

Sequence: A164545
Score: 6.65246

Type of gen. func.: ogf

$$-(97 f(x) + 159) (4 f(x) x^2 + 4 f(x) x - f(x) + 4 x + 1)$$

Sequence: A164545
Score: 7.46373
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A164546
Score: 13.1146
Type of gen. func.: ogf

$$\frac{2 x + 1}{8 x^2 - 8 x + 1}$$

Sequence: A164546
Score: 13.1404
Type of gen. func.: revogf

$$-\frac{-1 - 8 x + (32 x^2 + 24 x + 1)^{1/2}}{4 (-1 + 4 x)}$$

Sequence: A164546
Score: 14.8250
Type of gen. func.: lgdogf

$$-\frac{2 (8 x^2 + 8 x - 5)}{(2 x + 1) (8 x^2 - 8 x + 1)}$$

Sequence: A164546
Score: 6.86232
Type of gen. func.: ogf

$$(16 f(x) + 9) (8 f(x) x^2 - 8 f(x) x + f(x) - 2 x - 1)$$

Sequence: A164546
Score: 7.11035
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A164547
Score: 13.1940
Type of gen. func.: ogf

$$\frac{1 + x}{17 x^2 - 10 x + 1}$$

Sequence: A164547
Score: 13.2203
Type of gen. func.: revogf

$$- \frac{-1 - 10 x + (32 x^2 + 24 x + 1)^{1/2}}{2 (-1 + 17 x)}$$

Sequence: A164547
Score: 15.2033
Type of gen. func.: lgdogf

$$- \frac{17 x^2 + 34 x - 11}{(1 + x) (17 x^2 - 10 x + 1)}$$

Sequence: A164547
Score: 6.9676
Type of gen. func.: ogf

$$(76 f(x) + 45) (17 f(x) x^2 - 10 f(x) x + f(x) - x - 1)$$

Sequence: A164547
Score: 7.29548
Type of gen. func.: ogf

$$\{-a(n+2) + 10\, a(n+1) - 17\, a(n),\ a(0) = 1,\ a(1) = 11\}$$

Sequence: A164548
Score: 11.7177
Type of gen. func.: ogf

$$(9 f(x) x - f(x) + x + 1)^3$$

Sequence: A164548
Score: 4.28482
Type of gen. func.: ogf

$$\frac{(1 + x) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{36 x^7 - 8 x^6 - 8 x^5 - 8 x^4 - 8 x^3 - 8 x^2 - 8 x + 1}$$

Sequence: A164549
Score: 12.9824
Type of gen. func.: ogf

$$- \frac{2 x + 1}{2 x^2 + 4 x - 1}$$

Sequence: A164549
Score: 14.2961
Type of gen. func.: revogf

$$\frac{-1 - 4 x + (24 x^2 + 16 x + 1)^{1/2}}{4 (1 + x)}$$

Sequence: A164549
Score: 15.0485
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^2 + 2\,x + 3)}{(2\,x + 1)\,(2\,x^2 + 4\,x - 1)}$$

Sequence: A164549
Score: 6.2818
Type of gen. func.: ogf

$$-(187\,f(x) + 137)\,(2\,f(x)\,x^2 + 4\,f(x)\,x - f(x) + 2\,x + 1)$$

Sequence: A164549
Score: 7.12448
Type of gen. func.: ogf

$$\{a(n + 2) - 4\,a(n + 1) - 2\,a(n),\ a(0) = 1,\ a(1) = 6\}$$

Sequence: A164550
Score: 12.9900
Type of gen. func.: ogf

$$\frac{1 + x}{3\,x^2 - 6\,x + 1}$$

Sequence: A164550
Score: 13.0084
Type of gen. func.: revogf

$$-\frac{-1 - 6\,x + (24\,x^2 + 16\,x + 1)^{1/2}}{2\,(-1 + 3\,x)}$$

Sequence: A164550
Score: 16.3534
Type of gen. func.: lgdogf

$$-\frac{3\,x^2 + 6\,x - 7}{(1 + x)\,(3\,x^2 - 6\,x + 1)}$$

Sequence: A164550
Score: 6.71895
Type of gen. func.: ogf

$$(36 f(x) + 13) (3 f(x) x^2 - 6 f(x) x + f(x) - x - 1)$$

Sequence: A164550
Score: 7.12863
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A164551
Score: 12.7478
Type of gen. func.: ogf

$$- \frac{x - 1}{19 x^2 - 10 x + 1}$$

Sequence: A164551
Score: 13.0481
Type of gen. func.: revogf

$$- \frac{-1 - 10 x + (24 x^2 + 16 x + 1)^{1/2}}{2 (1 + 19 x)}$$

Sequence: A164551
Score: 15.4517
Type of gen. func.: lgdogf

$$- \frac{19 x^2 - 38 x + 9}{(x - 1) (19 x^2 - 10 x + 1)}$$

Sequence: A164551
Score: 6.73198
Type of gen. func.: ogf

$$(52 f(x) + 29) (19 f(x) x^2 - 10 f(x) x + f(x) + x - 1)$$

Sequence: A164551
Score: 7.13269
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 19 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A164552
Score: 13.4489
Type of gen. func.: ogf

$$-\frac{2 x - 1}{30 x^2 - 12 x + 1}$$

Sequence: A164552
Score: 13.7804
Type of gen. func.: revogf

$$-\frac{-1 - 12 x + (24 x^2 + 16 x + 1)^{1/2}}{4 (1 + 15 x)}$$

Sequence: A164552
Score: 15.1248
Type of gen. func.: lgdogf

$$-\frac{10 (6 x^2 - 6 x + 1)}{(2 x - 1) (30 x^2 - 12 x + 1)}$$

Sequence: A164552
Score: 7.10224
Type of gen. func.: ogf

$$(51 f(x) + 49) (30 f(x) x^2 - 12 f(x) x + f(x) + 2 x - 1)$$

Sequence: A164552
Score: 7.43646
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 30 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A164553
Score: 12.4042
Type of gen. func.: ogf

$$-\frac{-1 + 3 x}{43 x^2 - 14 x + 1}$$

Sequence: A164553
Score: 12.6938
Type of gen. func.: revogf

$$-\frac{-1 - 14 x + (24 x^2 + 16 x + 1)^{1/2}}{2 (3 + 43 x)}$$

Sequence: A164553
Score: 13.2842
Type of gen. func.: lgdogf

$$-\frac{129 x^2 - 86 x + 11}{(-1 + 3 x) (43 x^2 - 14 x + 1)}$$

Sequence: A164553
Score: 6.55055
Type of gen. func.: ogf

$$(68 f(x) + 53) (43 f(x) x^2 - 14 f(x) x + f(x) + 3 x - 1)$$

Sequence: A164553
Score: 6.85881
Type of gen. func.: ogf

$$\{-a(n + 2) + 14 a(n + 1) - 43 a(n), a(0) = 1, a(1) = 11\}$$

Sequence: A164559
Score: 12.4489
Type of gen. func.: ogf

$$\frac{4 x + 1}{(6 x - 1) (x - 1)}$$

Sequence: A164559
Score: 12.4595
Type of gen. func.: revogf

$$- \frac{-1 - 7 x + (25 x^2 + 30 x + 1)^{1/2}}{4 (-2 + 3 x)}$$

Sequence: A164559
Score: 13.7055
Type of gen. func.: lgdogf

$$- \frac{24 x^2 + 12 x - 11}{(x - 1) (6 x - 1) (4 x + 1)}$$

Sequence: A164559
Score: 6.4391
Type of gen. func.: ogf

$$(65 f(x) + 56) (6 f(x) x^2 - 7 f(x) x + f(x) - 4 x - 1)$$

Sequence: A164559
Score: 6.74942
Type of gen. func.: ogf

{-a(n + 2) + 7 a(n + 1) - 6 a(n), a(0) = 1, a(1) = 11}

Sequence: A164560
Score: 12.7001
Type of gen. func.: ogf

$$\frac{4 x + 1}{(x - 1) (6 x^2 - 1)}$$

Sequence: A164560
Score: 14.0378
Type of gen. func.: lgdogf

$$- \frac{48 x^3 - 6 x^2 - 12 x - 5}{(x - 1) (4 x + 1) (6 x^2 - 1)}$$

Sequence: A164560
Score: 5.95667
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - 6 a(n + 1) + 6 a(n), a(0) = 1, a(1) = 5, a(2) = 11}

Sequence: A164560
Score: 6.2907
Type of gen. func.: ogf

$$(325 f(x) + 548) (6 f(x) x^3 - 6 f(x) x^2 - f(x) x + f(x) - 4 x - 1)$$

Sequence: A164562
Score: 7.77149
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{11} + x^{10} + x^6 + 2 x^5 + x^4 + 1}{-x^{12} + 1}$$

Sequence: A164576
Score: 12.6333
Type of gen. func.: lgdogf

$$-\frac{12 x^4 + 27 x^3 + 65 x^2 + 29 x + 11}{(x - 1) (1 + x) (6 x^3 + 7 x^2 + 10 x + 1)}$$

Sequence: A164576
Score: 9.58060
Type of gen. func.: ogf

$$-\frac{6 x^3 + 7 x^2 + 10 x + 1}{(1 + x)^2 (x - 1)^3}$$

Sequence: A164577
Score: 5.55700
Type of gen. func.: ogf

$$\frac{3 x^7 + 6 x^6 + 11 x^5 + 34 x^4 + 17 x^3 + 13 x^2 + 11 x + 1}{(x^2 + x + 1)^3 (x - 1)^4}$$

Sequence: A164577
Score: 5.82745
Type of gen. func.: lgdogf

$$- (1 + x) (9 x^8 + 18 x^7 + 46 x^6 + 196 x^5 + 4 x^4 + 206 x^3 + 59 x^2 + 26 x + 12) \Big/ ((x - 1) (x^2 + x + 1) (3 x^7 + 6 x^6 + 11 x^5 + 34 x^4 + 17 x^3 + 13 x^2 + 11 x + 1))$$

Sequence: A164578
Score: 11.8686
Type of gen. func.: lgdogf

$$-\frac{6 x^4 + 69 x^3 + 83 x^2 + 107 x + 23}{(x - 1) (1 + x) (3 x^3 + 22 x^2 + 13 x + 10)}$$

Sequence: A164578
Score: 9.07345
Type of gen. func.: ogf

$$-\frac{3 x^3 + 22 x^2 + 13 x + 10}{(1 + x)^2 (x - 1)^3}$$

Sequence: A164579
Score: 5.35392
Type of gen. func.: ogf

$$\frac{10 x^7 + 39 x^6 + 23 x^5 + 132 x^4 + 99 x^3 + 25 x^2 + 50 x + 6}{(x^2 + x + 1)^3 (x - 1)^4}$$

Sequence: A164581
Score: 16.1727
Type of gen. func.: ogf

$$\frac{-1 + 3 x}{x^2 + 5 x - 1}$$

Sequence: A164581
Score: 16.2262
Type of gen. func.: revogf

$$\frac{-1 - 5 x + (29 x^2 - 2 x + 1)^{1/2}}{2 (-3 + x)}$$

Sequence: A164581
Score: 18.0291
Type of gen. func.: lgdogf

$$-\frac{3x^2-2x-2}{(-1+3x)(x^2+5x-1)}$$

Sequence: A164581
Score: 8.17724
Type of gen. func.: ogf

$$(125 f(x) - 109) (f(x) x^2 + 5 f(x) x - f(x) - 3 x + 1)$$

Sequence: A164581
Score: 8.87528
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A164582
Score: 15.6078
Type of gen. func.: ogf

$$-\frac{7x-2}{x^2-5x+1}$$

Sequence: A164582
Score: 17.2409
Type of gen. func.: revogf

$$-\frac{-2-5x+(21x^2-8x+4)^{1/2}}{2(7+x)}$$

Sequence: A164582
Score: 20.2834
Type of gen. func.: lgdogf

$$-\frac{7x^2-4x+3}{}$$

$$(7 x - 2) (x^2 - 5 x + 1)$$

Sequence: A164582
Score: 7.55215
Type of gen. func.: ogf

$$-(320 f(x) - 559) (f(x) x^2 - 5 f(x) x + f(x) + 7 x - 2)$$

Sequence: A164582
Score: 8.56523
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + a(n), a(0) = 2, a(1) = 3\}$$

Sequence: A164583
Score: 13.3066
Type of gen. func.: lgdogf

$$- \frac{4 (16 x^2 + 56 x + 9)}{(-1 + 4 x) (16 x^2 + 24 x + 1)}$$

Sequence: A164583
Score: 4.90897
Type of gen. func.: ogf

$$(39 f(x) - 154) (64 f(x) x^3 - 48 f(x) x^2 + 12 f(x) x + 16 x^2 - f(x) + 24 x + 1)$$

Sequence: A164583
Score: 4.95057
Type of gen. func.: ogf

$$\{a(n + 3) - 12 a(n + 2) + 48 a(n + 1) - 64 a(n), a(0) = 1, a(1) = 36, a(2) = 400\}$$

Sequence: A164583

Score: 8.85102
Type of gen. func.: ogf

$$-\frac{16 x^2 + 24 x + 1}{(-1 + 4 x)^3}$$

Sequence: A164584
Score: 5.42337
Type of gen. func.: ogf

$$-(40 f(x) - 29) (16 f(x) x^4 - 24 f(x) x^2 + 8 x^3 + 12 x^2 + f(x) - 6 x - 1)$$

Sequence: A164584
Score: 6.02275
Type of gen. func.: lgdogf

$$-\frac{2 (64 x^6 + 192 x^5 - 48 x^4 - 32 x^3 + 60 x^2 + 12 x + 3)}{(2 x - 1) (4 x^2 + 4 x - 1) (4 x^2 - 4 x - 1) (4 x^2 + 8 x + 1)}$$

Sequence: A164584
Score: 8.77310
Type of gen. func.: ogf

$$-\frac{(2 x - 1) (4 x^2 + 8 x + 1)}{(4 x^2 + 4 x - 1) (4 x^2 - 4 x - 1)}$$

Sequence: A164587
Score: 10.4285
Type of gen. func.: ogf

$$-(11 f(x) + 10) (2 f(x) x^2 - f(x) + 8 x + 1)$$

Sequence: A164587
Score: 11.8950
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A164587
Score: 18.5679
Type of gen. func.: ogf

$$-\frac{8 x + 1}{2 x^{2} - 1}$$

Sequence: A164587
Score: 21.3265
Type of gen. func.: revogf

$$\frac{-1 + (8 x^{2} + 32 x + 1)^{1/2}}{4 (4 + x)}$$

Sequence: A164587
Score: 23.3259
Type of gen. func.: lgdogf

$$-\frac{4 (4 x^{2} + x + 2)}{(8 x + 1) (2 x^{2} - 1)}$$

Sequence: A164588
Score: 14.5100
Type of gen. func.: ogf

$$-\frac{x - 1}{17 x^{2} - 10 x + 1}$$

Sequence: A164588
Score: 14.8843
Type of gen. func.: revogf

2 1/2

$$-\frac{-1 - 10 x + (32 x + 16 x + 1)}{2 (1 + 17 x)}$$

Sequence: A164588
Score: 17.6262
Type of gen. func.: lgdogf

$$-\frac{17 x^2 - 34 x + 9}{(x - 1) (17 x^2 - 10 x + 1)}$$

Sequence: A164588
Score: 7.66262
Type of gen. func.: ogf

$$(56 f(x) + 25) (17 f(x) x^2 - 10 f(x) x + f(x) + x - 1)$$

Sequence: A164588
Score: 8.11871
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 17 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A164589
Score: 16.8697
Type of gen. func.: ogf

$$-\frac{2 x + 1}{7 x^2 + 2 x - 1}$$

Sequence: A164589
Score: 16.9569
Type of gen. func.: revogf

$$\frac{-2 x - 1 + ((4 x + 1) (8 x + 1))^{1/2}}{2 (2 + 7 x)}$$

Sequence: A164589
Score: 19.6343
Type of gen. func.: lgdogf

$$-\frac{2\,(7x^2+7x+2)}{(2x+1)\,(7x^2+2x-1)}$$

Sequence: A164589
Score: 8.82717
Type of gen. func.: ogf

$$(11 f(x) - 3)\,(7 f(x) x^2 + 2 f(x) x - f(x) + 2 x + 1)$$

Sequence: A164589
Score: 9.25777
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) - 7 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A164590
Score: 11.099
Type of gen. func.: ogf

$$(10 f(x) x - f(x) + x + 1)^3$$

Sequence: A164590
Score: 4.14143
Type of gen. func.: ogf

$$\frac{(1 + x)\,(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{45 x^7 - 9 x^6 - 9 x^5 - 9 x^4 - 9 x^3 - 9 x^2 - 9 x + 1}$$

Sequence: A164591
Score: 14.0048
Type of gen. func.: revogf

$$-\frac{-1 - 8 x + ((4 x + 1) (8 x + 1))^{1/2}}{2 (8 x + 1)}$$

Sequence: A164591
Score: 14.2754
Type of gen. func.: ogf

$$-\frac{x - 1}{8 x^2 - 8 x + 1}$$

Sequence: A164591
Score: 18.0062
Type of gen. func.: lgdogf

$$-\frac{8 x^2 - 16 x + 7}{(x - 1) (8 x^2 - 8 x + 1)}$$

Sequence: A164591
Score: 7.4697
Type of gen. func.: ogf

$$(40 f(x) + 9) (8 f(x) x^2 - 8 f(x) x + f(x) + x - 1)$$

Sequence: A164591
Score: 7.83407
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A164592
Score: 14.1214
Type of gen. func.: revogf

$$-\frac{-1 - 10 x + ((4 x + 1) (8 x + 1))^{1/2}}{}$$

$$2 (2 + 17 x)$$

Sequence: A164592
Score: 14.3805
Type of gen. func.: ogf

$$- \frac{2 x - 1}{17 x^2 - 10 x + 1}$$

Sequence: A164592
Score: 15.8025
Type of gen. func.: lgdogf

$$- \frac{2 (17 x^2 - 17 x + 4)}{(2 x - 1) (17 x^2 - 10 x + 1)}$$

Sequence: A164592
Score: 7.6805
Type of gen. func.: ogf

$$(23 f(x) + 9) (17 f(x) x^2 - 10 f(x) x + f(x) + 2 x - 1)$$

Sequence: A164592
Score: 8.04623
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 17 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A164593
Score: 12.9900
Type of gen. func.: ogf

$$- \frac{5 + 2 x}{4 x^2 + 4 x - 1}$$

Sequence: A164593
Score: 13.3109
Type of gen. func.: revogf

$$\frac{-5 - 4 x + (32 x^2 + 48 x + 25)^{1/2}}{4 (2 x + 1)}$$

Sequence: A164593
Score: 14.3092
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^2 + 20 x + 11)}{(5 + 2 x) (4 x^2 + 4 x - 1)}$$

Sequence: A164593
Score: 6.42361
Type of gen. func.: ogf

$$-(32 f(x) - 39) (4 f(x) x^2 + 4 f(x) x - f(x) + 2 x + 5)$$

Sequence: A164593
Score: 7.04275
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 4 a(n), a(0) = 5, a(1) = 22\}$$

Sequence: A164594
Score: 15.2226
Type of gen. func.: ogf

$$- \frac{8 x - 5}{8 x^2 - 8 x + 1}$$

Sequence: A164594
Score: 15.6474
Type of gen. func.: revogf

$$-\frac{-5 - 8 x + (32 x^2 + 48 x + 25)^{1/2}}{16 (1 + x)}$$

Sequence: A164594
Score: 17.2523
Type of gen. func.: lgdogf

$$-\frac{16 (4 x^2 - 5 x + 2)}{(8 x - 5) (8 x^2 - 8 x + 1)}$$

Sequence: A164594
Score: 7.21071
Type of gen. func.: ogf

$$-(3005 f(x) + 1359) (8 f(x) x^2 - 8 f(x) x + f(x) + 8 x - 5)$$

Sequence: A164594
Score: 8.25322
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 8 a(n), a(0) = 5, a(1) = 32\}$$

Sequence: A164595
Score: 14.9689
Type of gen. func.: ogf

$$-\frac{13 x - 5}{17 x^2 - 10 x + 1}$$

Sequence: A164595
Score: 15.0283
Type of gen. func.: revogf

$$-\frac{-5 - 10 x + (32 x^2 + 48 x + 25)^{1/2}}{2 (13 + 17 x)}$$

Sequence: A164595
Score: 16.0529
Type of gen. func.: lgdogf

$$- \frac{221 x^2 - 170 x + 37}{(13 x - 5) (17 x^2 - 10 x + 1)}$$

Sequence: A164595
Score: 7.48445
Type of gen. func.: ogf

$$-(200 f(x) + 369) (17 f(x) x^2 - 10 f(x) x + f(x) + 13 x - 5)$$

Sequence: A164595
Score: 8.45302
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 17 a(n), a(0) = 5, a(1) = 37\}$$

Sequence: A164598
Score: 13.3214
Type of gen. func.: ogf

$$\frac{2 x + 1}{34 x^2 - 12 x + 1}$$

Sequence: A164598
Score: 13.6472
Type of gen. func.: revogf

$$- \frac{-1 - 12 x + (8 x^2 + 32 x + 1)^{1/2}}{4 (-1 + 17 x)}$$

Sequence: A164598
Score: 14.2820
Type of gen. func.: lgdogf

$$-\frac{2\,(34\,x^{2}+34\,x-7)}{(2\,x+1)\,(34\,x^{2}-12\,x+1)}$$

Sequence: A164598
Score: 7.03492
Type of gen. func.: ogf

$$(25\,f(x)+24)\,(34\,f(x)\,x^{2}-12\,f(x)\,x+f(x)-2\,x-1)$$

Sequence: A164598
Score: 7.36598
Type of gen. func.: ogf

$$\{-a(n+2)+12\,a(n+1)-34\,a(n),\ a(0)=1,\ a(1)=14\}$$

Sequence: A164599
Score: 12.5295
Type of gen. func.: ogf

$$\frac{1+x}{47\,x^{2}-14\,x+1}$$

Sequence: A164599
Score: 12.8247
Type of gen. func.: revogf

$$-\frac{-1-14\,x+(8\,x^{2}+32\,x+1)^{1/2}}{2\,(-1+47\,x)}$$

Sequence: A164599
Score: 14.4278
Type of gen. func.: lgdogf

$$-\frac{47 x^2 + 94 x - 15}{(1 + x) (47 x^2 - 14 x + 1)}$$

Sequence: A164599
Score: 6.47129
Type of gen. func.: ogf

$$(116 f(x) + 109) (47 f(x) x^2 - 14 f(x) x + f(x) - x - 1)$$

Sequence: A164599
Score: 6.92809
Type of gen. func.: ogf

$$\{-a(n + 2) + 14 a(n + 1) - 47 a(n), a(0) = 1, a(1) = 15\}$$

Sequence: A164600
Score: 11.8075
Type of gen. func.: ogf

$$-\frac{x - 1}{79 x^2 - 18 x + 1}$$

Sequence: A164600
Score: 12.3498
Type of gen. func.: revogf

$$-\frac{-1 - 18 x + (8 x^2 + 32 x + 1)^{1/2}}{2 (1 + 79 x)}$$

Sequence: A164600
Score: 13.5847
Type of gen. func.: lgdogf

$$-\frac{79 x^2 - 158 x + 17}{(x - 1) (79 x^2 - 18 x + 1)}$$

Sequence: A164600
Score: 6.09837
Type of gen. func.: ogf

$$(148 f(x) + 141) (79 f(x) x^2 - 18 f(x) x + f(x) + x - 1)$$

Sequence: A164600
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 18 a(n + 1) - 79 a(n), a(0) = 1, a(1) = 17\}$$

Sequence: A164601
Score: 11.099
Type of gen. func.: ogf

$$(11 f(x) x - f(x) + x + 1)^3$$

Sequence: A164601
Score: 3.96394
Type of gen. func.: ogf

$$\frac{(1 + x) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{55 x^7 - 10 x^6 - 10 x^5 - 10 x^4 - 10 x^3 - 10 x^2 - 10 x + 1}$$

Sequence: A164602
Score: 13.4962
Type of gen. func.: ogf

$$- \frac{1 + 15 x}{7 x^2 + 2 x - 1}$$

Sequence: A164602
Score: 14.1462

Type of gen. func.: revogf

$$\frac{-2 x - 1 + (32 x^2 + 64 x + 1)^{1/2}}{2 (15 + 7 x)}$$

Sequence: A164602
Score: 14.8362
Type of gen. func.: lgdogf

$$- \frac{105 x^2 + 14 x + 17}{(1 + 15 x) (7 x^2 + 2 x - 1)}$$

Sequence: A164602
Score: 6.97559
Type of gen. func.: ogf

$$(48 f(x) + 241) (7 f(x) x^2 + 2 f(x) x - f(x) + 15 x + 1)$$

Sequence: A164602
Score: 7.47984
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) - 7 a(n), a(0) = 1, a(1) = 17\}$$

Sequence: A164603
Score: 12.5090
Type of gen. func.: ogf

$$- \frac{14 x + 1}{4 x^2 + 4 x - 1}$$

Sequence: A164603
Score: 13.4104
Type of gen. func.: revogf

$$-1 - 4 x + (32 x^2 + 64 x + 1)^{1/2}$$

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                   -------------------------------
                             4 (7 + 2 x)
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Sequence: A164603
Score: 14.0809
Type of gen. func.: lgdogf

$$- \frac{2 (28 x^2 + 4 x + 9)}{(14 x + 1) (4 x^2 + 4 x - 1)}$$

Sequence: A164603
Score: 6.5388
Type of gen. func.: ogf

$$(20 f(x) + 61) (4 f(x) x^2 + 4 f(x) x - f(x) + 14 x + 1)$$

Sequence: A164603
Score: 6.93270
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 18\}$$

Sequence: A164604
Score: 12.3737
Type of gen. func.: ogf

$$\frac{13 x + 1}{x^2 - 6 x + 1}$$

Sequence: A164604
Score: 12.9583
Type of gen. func.: revogf

$$- \frac{-1 - 6 x + (32 x^2 + 64 x + 1)^{1/2}}{2 (-13 + x)}$$

Sequence: A164604
Score: 14.6633
Type of gen. func.: lgdogf

$$-\frac{13 x^{2} + 2 x - 19}{(13 x + 1) (x^{2} - 6 x + 1)}$$

Sequence: A164604
Score: 6.32432
Type of gen. func.: ogf

$$(112 f(x) + 249) (f(x) x^{2} - 6 f(x) x + f(x) - 13 x - 1)$$

Sequence: A164604
Score: 6.85770
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - a(n), a(0) = 1, a(1) = 19\}$$

Sequence: A164605
Score: 13.2203
Type of gen. func.: ogf

$$\frac{12 x + 1}{8 x^{2} - 8 x + 1}$$

Sequence: A164605
Score: 13.5489
Type of gen. func.: revogf

$$-\frac{-1 - 8 x + (32 x^{2} + 64 x + 1)^{1/2}}{8 (-3 + 2 x)}$$

Sequence: A164605
Score: 14.5403
Type of gen. func.: lgdogf

$$-\frac{4\,(24\,x^2 + 4\,x - 5)}{(12\,x + 1)\,(8\,x^2 - 8\,x + 1)}$$

Sequence: A164605
Score: 6.99004
Type of gen. func.: ogf

$$(9\,f(x) + 16)\,(8\,f(x)\,x^2 - 8\,f(x)\,x + f(x) - 12\,x - 1)$$

Sequence: A164605
Score: 7.32690
Type of gen. func.: ogf

$$\{-a(n + 2) + 8\,a(n + 1) - 8\,a(n),\ a(0) = 1,\ a(1) = 20\}$$

Sequence: A164606
Score: 13.2935
Type of gen. func.: ogf

$$\frac{11\,x + 1}{17\,x^2 - 10\,x + 1}$$

Sequence: A164606
Score: 13.3214
Type of gen. func.: revogf

$$-\frac{-1 - 10\,x + (32\,x^2 + 64\,x + 1)^{1/2}}{2\,(-11 + 17\,x)}$$

Sequence: A164606
Score: 14.2297
Type of gen. func.: lgdogf

$$-\frac{187\,x^2 + 34\,x - 21}{\quad}$$

$$(11 x + 1) (17 x^2 - 10 x + 1)$$

Sequence: A164606
Score: 6.93577
Type of gen. func.: ogf

$$(176 f(x) + 265) (17 f(x) x^2 - 10 f(x) x + f(x) - 11 x - 1)$$

Sequence: A164606
Score: 7.50694
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 17 a(n), a(0) = 1, a(1) = 21\}$$

Sequence: A164607
Score: 13.8066
Type of gen. func.: ogf

$$- \frac{6 x + 1}{4 x^2 + 4 x - 1}$$

Sequence: A164607
Score: 14.4984
Type of gen. func.: revogf

$$\frac{-1 - 4 x + (32 x^2 + 32 x + 1)^{1/2}}{4 (3 + 2 x)}$$

Sequence: A164607
Score: 15.6137
Type of gen. func.: lgdogf

$$- \frac{2 (12 x^2 + 4 x + 5)}{(6 x + 1) (4 x^2 + 4 x - 1)}$$

Sequence: A164607
Score: 7.14137
Type of gen. func.: ogf

$$(12 f(x) + 13) (4 f(x) x^2 + 4 f(x) x - f(x) + 6 x + 1)$$

Sequence: A164607
Score: 7.48553
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A164608
Score: 13.1146
Type of gen. func.: ogf

$$\frac{4 x + 1}{8 x^2 - 8 x + 1}$$

Sequence: A164608
Score: 13.1404
Type of gen. func.: revogf

$$-\frac{-1 - 8 x + (32 x^2 + 32 x + 1)^{1/2}}{8 (2 x - 1)}$$

Sequence: A164608
Score: 14.8250
Type of gen. func.: lgdogf

$$-\frac{4 (8 x^2 + 4 x - 3)}{(4 x + 1) (8 x^2 - 8 x + 1)}$$

Sequence: A164608
Score: 6.631
Type of gen. func.: ogf

$$(103 f(x) + 221) (8 f(x) x^2 - 8 f(x) x + f(x) - 4 x - 1)$$

Sequence: A164608
Score: 7.11035
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 12\}$$

Sequence: A164609
Score: 13.3214
Type of gen. func.: ogf

$$\frac{3 x + 1}{17 x^2 - 10 x + 1}$$

Sequence: A164609
Score: 13.3505
Type of gen. func.: revogf

$$- \frac{-1 - 10 x + (32 x^2 + 32 x + 1)^{1/2}}{2 (-3 + 17 x)}$$

Sequence: A164609
Score: 14.6220
Type of gen. func.: lgdogf

$$- \frac{51 x^2 + 34 x - 13}{(3 x + 1) (17 x^2 - 10 x + 1)}$$

Sequence: A164609
Score: 7.03492
Type of gen. func.: ogf

$$(96 f(x) + 73) (17 f(x) x^2 - 10 f(x) x + f(x) - 3 x - 1)$$

Sequence: A164609
Score: 7.36598
Type of gen. func.: ogf

$$\{-a(n + 2) + 10\,a(n + 1) - 17\,a(n),\ a(0) = 1,\ a(1) = 13\}$$

Sequence: A164610
Score: 10.0296
Type of gen. func.: ogf

$$(12\,f(x)\,x - f(x) + x + 1)^3$$

Sequence: A164610
Score: 3.58199
Type of gen. func.: ogf

$$\frac{(1 + x)\,(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{66\,x^7 - 11\,x^6 - 11\,x^5 - 11\,x^4 - 11\,x^3 - 11\,x^2 - 11\,x + 1}$$

Sequence: A164611
Score: 14.4452
Type of gen. func.: lgdogf

$$- \frac{(x^2 - 5\,x + 3)\,(1 + x)^2}{(x^2 - x + 1)\,(x^3 - 2\,x^2 - x - 1)}$$

Sequence: A164611
Score: 4.27622
Type of gen. func.: ogf

$$(f(x) - 6)$$

$$(f(x)\,x^4 - 2\,f(x)\,x^3 + 3\,f(x)\,x^2 + x^3 - 2\,f(x)\,x - 2\,x^2 + f(x) - x - 1)$$

Sequence: A164611
Score: 7.60835
Type of gen. func.: ogf

$$-\frac{x^3 - 2x^2 - x - 1}{(x^2 - x + 1)^2}$$

Sequence: A164614
Score: 10.3710
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^6 + 2x^5 + 4x^4 - 4x^2 - 2x + 2}{-x^8 - x^4 - 1}$$

Sequence: A164618
Score: 10.2562
Type of gen. func.: ogf

$$(13 f(x) x - f(x) + x + 1)^3$$

Sequence: A164618
Score: 3.66294
Type of gen. func.: ogf

$$\frac{(1 + x)(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{78x^7 - 12x^6 - 12x^5 - 12x^4 - 12x^3 - 12x^2 - 12x + 1}$$

Sequence: A164626
Score: 10.5396
Type of gen. func.: ogf

$$(14 f(x) x - f(x) + x + 1)^3$$

Sequence: A164626
Score: 3.76412

Type of gen. func.: ogf

$$\frac{(1+x)(x^6+x^5+x^4+x^3+x^2+x+1)}{91x^7-13x^6-13x^5-13x^4-13x^3-13x^2-13x+1}$$

Sequence: A164627
Score: 10.7095
Type of gen. func.: ogf

$$(15 f(x) x - f(x) + x + 1)^3$$

Sequence: A164627
Score: 3.79771
Type of gen. func.: ogf

$$\frac{(1+x)(x^6+x^5+x^4+x^3+x^2+x+1)}{105x^7-14x^6-14x^5-14x^4-14x^3-14x^2-14x+1}$$

Sequence: A164628
Score: 10.9929
Type of gen. func.: ogf

$$(16 f(x) x - f(x) + x + 1)^3$$

Sequence: A164628
Score: 3.89818
Type of gen. func.: ogf

$$\frac{(1+x)(x^6+x^5+x^4+x^3+x^2+x+1)}{120x^7-15x^6-15x^5-15x^4-15x^3-15x^2-15x+1}$$

Sequence: A164630
Score: 11.1629
Type of gen. func.: ogf

$$(17 f(x) x - f(x) + x + 1)^3$$

Sequence: A164630
Score: 3.95845
Type of gen. func.: ogf

$$\frac{(1 + x) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{136 x^7 - 16 x^6 - 16 x^5 - 16 x^4 - 16 x^3 - 16 x^2 - 16 x + 1}$$

Sequence: A164631
Score: 5.16972
Type of gen. func.: ogf

$$-(36 f(x) x + f(x) - 55 x - 1) (18 f(x) x - f(x) + x + 1)^2$$

Sequence: A164633
Score: 5.22748
Type of gen. func.: ogf

$$-(38 f(x) x + f(x) - 58 x - 1) (19 f(x) x - f(x) + x + 1)^2$$

Sequence: A164634
Score: 5.31413
Type of gen. func.: ogf

$$-(40 f(x) x + f(x) - 61 x - 1) (20 f(x) x - f(x) + x + 1)^2$$

Sequence: A164635
Score: 5.34301
Type of gen. func.: ogf

$$-(42 f(x) x + f(x) - 64 x - 1) (21 f(x) x - f(x) + x + 1)^2$$

Sequence: A164636
Score: 5.48742
Type of gen. func.: ogf

$$-(44 f(x) x + f(x) - 67 x - 1) (22 f(x) x - f(x) + x + 1)^2$$

Sequence: A164637
Score: 5.5163
Type of gen. func.: ogf

$$-(46 f(x) x + f(x) - 70 x - 1) (23 f(x) x - f(x) + x + 1)^2$$

Sequence: A164638
Score: 5.57406
Type of gen. func.: ogf

$$-(48 f(x) x + f(x) - 73 x - 1) (24 f(x) x - f(x) + x + 1)^2$$

Sequence: A164639
Score: 5.63182
Type of gen. func.: ogf

$$-(50 f(x) x + f(x) - 76 x - 1) (25 f(x) x - f(x) + x + 1)^2$$

Sequence: A164640
Score: 15.3369
Type of gen. func.: ogf

$$-\frac{6 x + 1}{8 x^2 - 1}$$

Sequence: A164640
Score: 16.2048
Type of gen. func.: revogf

$$\frac{-1 + (32 x^2 + 24 x + 1)^{1/2}}{4 (3 + 4 x)}$$

Sequence: A164640
Score: 17.5937
Type of gen. func.: lgdogf

$$-\frac{2 (24 x^2 + 8 x + 3)}{(6 x + 1) (8 x^2 - 1)}$$

Sequence: A164640
Score: 9.38526
Type of gen. func.: ogf

$$(4 f(x) + 5) (8 f(x) x^2 - f(x) + 6 x + 1)$$

Sequence: A164640
Score: 9.82520
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A164644
Score: 5.68958
Type of gen. func.: ogf

$$-(52 f(x) x + f(x) - 79 x - 1) (26 f(x) x - f(x) + x + 1)^2$$

Sequence: A164651
Score: 3.49727
Type of gen. func.: ogf

$$f(x)^2 x^4 + 2 f(x)^2 x^3 - 8 f(x)^2 x^2 - 3 f(x) x^3 + 6 f(x)^2 x + 12 f(x) x^2 + x^3$$
$$- f(x)^2 - 11 f(x) x - 4 x^2 + 2 f(x) + 5 x - 1$$

Sequence: A164654

Score: 11.8058
Type of gen. func.: ogf

$$(3 f(x) + 7) (2 f(x) x^2 - f(x) + 8 x + 3)$$

Sequence: A164654
Score: 12.3592
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n), a(0) = 3, a(1) = 8\}$$

Sequence: A164654
Score: 19.2924
Type of gen. func.: ogf

$$-\frac{8 x + 3}{2 x^2 - 1}$$

Sequence: A164654
Score: 22.1753
Type of gen. func.: revogf

$$\frac{-3 + (8 x^2 + 32 x + 9)^{1/2}}{4 (4 + x)}$$

Sequence: A164654
Score: 22.8275
Type of gen. func.: lgdogf

$$-\frac{4 (4 x^2 + 3 x + 2)}{(8 x + 3) (2 x^2 - 1)}$$

Sequence: A164660
Score: 13.7116
Type of gen. func.: ogf

4 4 3 2

$$f(x)\,x - 2\,x - x - x - f(x) + x + 1$$

Sequence: A164660
Score: 14.5554
Type of gen. func.: ogf

$$\frac{2\,x^4 + x^3 + x^2 - x - 1}{(x - 1)\,(1 + x)\,(x^2 + 1)}$$

Sequence: A164660
Score: 16.5425
Type of gen. func.: lgdogf

$$-\frac{x^6 + 2\,x^5 - 3\,x^4 + 4\,x^3 + 3\,x^2 + 2\,x - 1}{(x - 1)\,(1 + x)\,(x^2 + 1)\,(2\,x^4 + x^3 + x^2 - x - 1)}$$

Sequence: A164660
Score: 8.76019
Type of gen. func.: ogf

$$\{a(n + 5) - a(n + 1),\ a(0) = 1,\ a(1) = 1,\ a(2) = -1,\ a(3) = -1,\ a(4) = -1\}$$

Sequence: A164661
Score: 6.77823
Type of gen. func.: lgdogf

$$-2\,(x^{10} - 3\,x^9 + x^8 - 24\,x^7 + 8\,x^6 - 42\,x^5 - 8\,x^4 - 24\,x^3 - x^2 - 3\,x - 1) \Big/ \Big((x - 1)\,(1 + x)\,(x^2 + 1)\,(2\,x^8 + 2\,x^7 - 7\,x^6 - 2\,x^5 - 9\,x^4 + 2\,x^3 - x^2 - 2\,x - 1)\Big)$$

Sequence: A164661
Score: 8.00346
Type of gen. func.: ogf

$$\frac{2 x^8 + 2 x^7 - 7 x^6 - 2 x^5 - 9 x^4 + 2 x^3 - x^2 - 2 x - 1}{(x^2 + 1) (x - 1)^3 (1 + x)^3}$$

Sequence: A164664
Score: 5.77623
Type of gen. func.: ogf

$$-(54 f(x) x + f(x) - 82 x - 1) (27 f(x) x - f(x) + x + 1)^2$$

Sequence: A164665
Score: 5.80511
Type of gen. func.: ogf

$$-(56 f(x) x + f(x) - 85 x - 1) (28 f(x) x - f(x) + x + 1)^2$$

Sequence: A164666
Score: 5.86287
Type of gen. func.: ogf

$$-(58 f(x) x + f(x) - 88 x - 1) (29 f(x) x - f(x) + x + 1)^2$$

Sequence: A164667
Score: 5.89175
Type of gen. func.: ogf

$$-(60 f(x) x + f(x) - 91 x - 1) (30 f(x) x - f(x) + x + 1)^2$$

Sequence: A164668
Score: 5.89175
Type of gen. func.: ogf

$$-(62 f(x) x + f(x) - 94 x - 1) (31 f(x) x - f(x) + x + 1)^2$$

Sequence: A164669

Score: 6.09392
Type of gen. func.: ogf

$$-(64 f(x) x + f(x) - 97 x - 1) (32 f(x) x - f(x) + x + 1)^2$$

Sequence: A164670
Score: 6.0311
Type of gen. func.: ogf

$$-(66 f(x) x + f(x) - 100 x - 1) (33 f(x) x - f(x) + x + 1)^2$$

Sequence: A164671
Score: 6.0311
Type of gen. func.: ogf

$$-(68 f(x) x + f(x) - 103 x - 1) (34 f(x) x - f(x) + x + 1)^2$$

Sequence: A164672
Score: 6.08826
Type of gen. func.: ogf

$$-(70 f(x) x + f(x) - 106 x - 1) (35 f(x) x - f(x) + x + 1)^2$$

Sequence: A164673
Score: 7.56661
Type of gen. func.: ogf

$$(f(x) - 1) (36 f(x) x - f(x) + x + 1)^2$$

Sequence: A164674
Score: 7.56661
Type of gen. func.: ogf

$$(f(x) - 1) (37 f(x) x - f(x) + x + 1)^2$$

Sequence: A164675
Score: 15.2820
Type of gen. func.: ogf

$$-\frac{12 x + 1}{8 x^{2} - 1}$$

Sequence: A164675
Score: 16.5477
Type of gen. func.: revogf

$$\frac{-1 + (32 x^{2} + 48 x + 1)^{1/2}}{8 (3 + 2 x)}$$

Sequence: A164675
Score: 17.4670
Type of gen. func.: lgdogf

$$-\frac{4 (24 x^{2} + 4 x + 3)}{(12 x + 1) (8 x^{2} - 1)}$$

Sequence: A164675
Score: 8.67358
Type of gen. func.: ogf

$$-(19 f(x) + 16) (8 f(x) x^{2} - f(x) + 12 x + 1)$$

Sequence: A164675
Score: 9.87455
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n), a(0) = 1, a(1) = 12\}$$

Sequence: A164680
Score: 17.7737
Type of gen. func.: lgdogf

$$-\frac{3 (4 x^3 + 5 x^2 + 4 x + 1)}{(x - 1) (1 + x) (x^2 + x + 1)}$$

Sequence: A164680
Score: 31.6532
Type of gen. func.: ogf_with_Euler_transform]

$$x^2 + 3 x + 3$$

Sequence: A164680
Score: 9.15860
Type of gen. func.: ogf

$$-\frac{1}{(x^2 + x + 1) (1 + x)^3 (x - 1)^7}$$

Sequence: A164681
Score: 7.64626
Type of gen. func.: ogf

$$(f(x) - 1) (38 f(x) x - f(x) + x + 1)^2$$

Sequence: A164682
Score: 11.6172
Type of gen. func.: ogf

$$(5 f(x) - 9) (2 f(x) x^2 - f(x) + 8 x + 5)$$

Sequence: A164682
Score: 12.1618
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n), a(0) = 5, a(1) = 8\}$$

Sequence: A164682
Score: 18.9842
Type of gen. func.: ogf

$$-\frac{8x+5}{2x^2-1}$$

Sequence: A164682
Score: 21.2111
Type of gen. func.: revogf

$$\frac{-5+(8x^2+32x+25)^{1/2}}{4(4+x)}$$

Sequence: A164682
Score: 22.4588
Type of gen. func.: lgdogf

$$-\frac{4(4x^2+5x+2)}{(8x+5)(2x^2-1)}$$

Sequence: A164683
Score: 15.4164
Type of gen. func.: ogf

$$-\frac{8x+1}{8x^2-1}$$

Sequence: A164683
Score: 16.7308
Type of gen. func.: revogf

$$\frac{-1+(32x^2+32x+1)^{1/2}}{16(1+x)}$$

Sequence: A164683
Score: 18.2070
Type of gen. func.: lgdogf

$$-\frac{8 (8 x^2 + 2 x + 1)}{(8 x + 1) (8 x^2 - 1)}$$

Sequence: A164683
Score: 8.9024
Type of gen. func.: ogf

$$-(3 f(x) + 2) (8 f(x) x^2 - f(x) + 8 x + 1)$$

Sequence: A164683
Score: 9.87611
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A164684
Score: 7.68608
Type of gen. func.: ogf

$$(f(x) - 1) (39 f(x) x - f(x) + x + 1)^2$$

Sequence: A164685
Score: 7.76573
Type of gen. func.: ogf

$$(f(x) - 1) (40 f(x) x - f(x) + x + 1)^2$$

Sequence: A164686
Score: 7.76573
Type of gen. func.: ogf

$$(f(x) - 1) (41 f(x) x - f(x) + x + 1)^2$$

Sequence: A164687
Score: 7.80556
Type of gen. func.: ogf

$$(f(x) - 1) (42 f(x) x - f(x) + x + 1)^2$$

Sequence: A164688
Score: 7.84538
Type of gen. func.: ogf

$$(f(x) - 1) (43 f(x) x - f(x) + x + 1)^2$$

Sequence: A164690
Score: 7.92503
Type of gen. func.: ogf

$$(f(x) - 1) (44 f(x) x - f(x) + x + 1)^2$$

Sequence: A164691
Score: 7.92503
Type of gen. func.: ogf

$$(f(x) - 1) (45 f(x) x - f(x) + x + 1)^2$$

Sequence: A164692
Score: 7.92503
Type of gen. func.: ogf

$$(f(x) - 1) (46 f(x) x - f(x) + x + 1)^2$$

Sequence: A164693
Score: 8.08433
Type of gen. func.: ogf

$$(f(x) - 1) (47 f(x) x - f(x) + x + 1)^2$$

Sequence: A164694
Score: 8.08433
Type of gen. func.: ogf

$$(f(x) - 1) (48 f(x) x - f(x) + x + 1)^2$$

Sequence: A164695
Score: 8.08433
Type of gen. func.: ogf

$$(f(x) - 1) (49 f(x) x - f(x) + x + 1)^2$$

Sequence: A164696
Score: 4.76830
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^4 + 1) (1 + x)^2}{(x^2 - x + 1) (x^6 - 2 x^4 - 3 x^3 - 2 x^2 + 1)}$$

Sequence: A164697
Score: 4.39515
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^4 + 1) (1 + x)^2}{3 x^8 - 2 x^7 - 2 x^6 - 2 x^5 - 2 x^4 - 2 x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A164703
Score: 10.0249
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n), a(0) = 1, a(1) = 16\}$$

Sequence: A164703
Score: 15.5148

Type of gen. func.: ogf

$$-\frac{16 x + 1}{8 x^2 - 1}$$

Sequence: A164703
Score: 17.2591
Type of gen. func.: revogf

$$\frac{-1 + (32 x^2 + 64 x + 1)^{1/2}}{16 (x + 2)}$$

Sequence: A164703
Score: 18.7820
Type of gen. func.: lgdogf

$$-\frac{16 (8 x^2 + x + 1)}{(16 x + 1) (8 x^2 - 1)}$$

Sequence: A164703
Score: 9.44376
Type of gen. func.: ogf

$$(f(x) + 15) (8 f(x) x^2 - f(x) + 16 x + 1)$$

Sequence: A164706
Score: 13.4257
Type of gen. func.: ogf

$$(4 f(x) x - f(x) + x + 1)^3$$

Sequence: A164706
Score: 4.41514
Type of gen. func.: ogf

2 4 2

$$\frac{(x + 1)(x + 1)(1 + x)}{6x^8 - 3x^7 - 3x^6 - 3x^5 - 3x^4 - 3x^3 - 3x^2 - 3x + 1}$$

Sequence: A164736
Score: 23.2129
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 - x^5 - x^3 + 3x$$

Sequence: A164736
Score: 6.24139
Type of gen. func.: ogf

$$\frac{x^{10}(x^2 + 1)(x^2 - x + 1)}{(1 + x)(x^6 + x^3 + 1)(x - 1)^2}$$

Sequence: A164736
Score: 8.38201
Type of gen. func.: lgdogf

$$-x(5x^{10} - 5x^9 + 11x^8 - x^7 - 2x^6 + 14x^5 - 10x^4 + 4x^3 + 8x^2 - 6x + 6) \Big/ ((x - 1)(1 + x)(x^2 + 1)(x^2 - x + 1)(x^6 + x^3 + 1))$$

Sequence: A164737
Score: 10.3257
Type of gen. func.: ogf

$$\{-a(n + 2) + 8a(n), a(0) = 5, a(1) = 12\}$$

Sequence: A164737
Score: 15.9802
Type of gen. func.: ogf

$$-\frac{12x + 5}{2}$$

$$8 x - 1$$

Sequence: A164737
Score: 16.8753
Type of gen. func.: revogf

$$\frac{-5 + (32 x^2 + 48 x + 25)^{1/2}}{8 (3 + 2 x)}$$

Sequence: A164737
Score: 17.7875
Type of gen. func.: lgdogf

$$-\frac{4 (24 x^2 + 20 x + 3)}{(12 x + 5) (8 x^2 - 1)}$$

Sequence: A164737
Score: 9.32178
Type of gen. func.: ogf

$$(215 f(x) - 751) (8 f(x) x^2 - f(x) + 12 x + 5)$$

Sequence: A164741
Score: 12.5534
Type of gen. func.: ogf

$$(5 f(x) x - f(x) + x + 1)^3$$

Sequence: A164741
Score: 4.10078
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^4 + 1) (1 + x)^2}{10 x^8 - 4 x^7 - 4 x^6 - 4 x^5 - 4 x^4 - 4 x^3 - 4 x^2 - 4 x + 1}$$

Sequence: A164742
Score: 12.3645
Type of gen. func.: ogf

$$(6 f(x) x - f(x) + x + 1)^3$$

Sequence: A164742
Score: 4.03906
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^4 + 1) (1 + x)^2}{15 x^8 - 5 x^7 - 5 x^6 - 5 x^5 - 5 x^4 - 5 x^3 - 5 x^2 - 5 x + 1}$$

Sequence: A164749
Score: 3.48388
Type of gen. func.: ogf

$$- \frac{2 (4 x^8 - 12 x^7 - 7 x^6 + 52 x^5 - 62 x^4 + 50 x^3 - 31 x^2 + 6 x + 4)}{(2 x - 1)^3 (x - 1)^6}$$

Sequence: A164754
Score: 11.9968
Type of gen. func.: ogf

$$\frac{2 x^3 - 4 x^2 - 5 x - 1}{(x - 1)^3}$$

Sequence: A164754
Score: 19.8142
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 - 9 x - 4)}{(x - 1) (2 x^3 - 4 x^2 - 5 x - 1)}$$

Sequence: A164754
Score: 6.17748
Type of gen. func.: ogf

$$\{a(n+4) - 3\,a(n+3) + 3\,a(n+2) - a(n+1),\ a(0) = 1,\ a(1) = 8,\ a(2) = 25,\ a(3) = 50\}$$

Sequence: A164754
Score: 6.46704
Type of gen. func.: ogf

$$(47296\,f(x) - 418321)$$

$$(f(x)\,x^3 - 3\,f(x)\,x^2 - 2\,x^3 + 3\,f(x)\,x + 4\,x^2 - f(x) + 5\,x + 1)$$

Sequence: A164755
Score: 5.16272
Type of gen. func.: lgdogf

$$\frac{2\,(12\,x^8 - 6\,x^7 - 24\,x^6 - 27\,x^5 + 41\,x^4 + 69\,x^3 - 33\,x^2 - 69\,x - 20)}{(x-1)\,(4\,x^8 + 4\,x^7 - 5\,x^6 - 28\,x^5 - 29\,x^4 + 22\,x^3 + 53\,x^2 + 32\,x + 4)}$$

Sequence: A164755
Score: 5.91790
Type of gen. func.: ogf

$$\frac{2\,(4\,x^8 + 4\,x^7 - 5\,x^6 - 28\,x^5 - 29\,x^4 + 22\,x^3 + 53\,x^2 + 32\,x + 4)}{(x-1)^2}$$

Sequence: A164760
Score: 4.48581
Type of gen. func.: ogf

$$-\frac{2\,(4\,x^6 + 8\,x^5 + 7\,x^4 - 2\,x^3 - 17\,x^2 + 12\,x + 4)}{(2\,x-1)^3\,(x-1)^4}$$

Sequence: A164760
Score: 5.57420
Type of gen. func.: lgdogf

$$-\frac{2\,(4x^7+32x^6+29x^5-21x^4-98x^3+109x^2+3x-26)}{(x-1)(2x-1)(4x^6+8x^5+7x^4-2x^3-17x^2+12x+4)}$$

Sequence: A164765
Score: 5.71807
Type of gen. func.: ogf

$$\frac{x^6-x^5+4x^4+10x^3-5x^2+8x+1}{(x^2+x+1)^2\,(x-1)^4}$$

Sequence: A164765
Score: 7.22377
Type of gen. func.: lgdogf

$$-\frac{2x^8-x^7+16x^6+62x^5-7x^4+82x^3+44x^2+8x+10}{(x-1)(x^2+x+1)(x^6-x^5+4x^4+10x^3-5x^2+8x+1)}$$

Sequence: A164769
Score: 11.9218
Type of gen. func.: ogf

$$(7\,f(x)\,x-f(x)+x+1)^3$$

Sequence: A164769
Score: 3.89445
Type of gen. func.: ogf

$$\frac{(x^2+1)(x^4+1)(1+x)^2}{}$$

8 7 6 5 4 3 2

$$21 x - 6 x - 6 x - 6 x - 6 x - 6 x - 6 x - 6 x + 1$$

Sequence: A164777
Score: 12.5332
Type of gen. func.: ogf

$$(8 f(x) x - f(x) + x + 1)^3$$

Sequence: A164777
Score: 4.09417
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^4 + 1) (1 + x)^2}{28 x^8 - 7 x^7 - 7 x^6 - 7 x^5 - 7 x^4 - 7 x^3 - 7 x^2 - 7 x + 1}$$

Sequence: A164779
Score: 11.7177
Type of gen. func.: ogf

$$(9 f(x) x - f(x) + x + 1)^3$$

Sequence: A164779
Score: 3.82777
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^4 + 1) (1 + x)^2}{36 x^8 - 8 x^7 - 8 x^6 - 8 x^5 - 8 x^4 - 8 x^3 - 8 x^2 - 8 x + 1}$$

Sequence: A164780
Score: 4.54878
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^4 + 1) (1 + x)^2}{45 x^8 - 9 x^7 - 9 x^6 - 9 x^5 - 9 x^4 - 9 x^3 - 9 x^2 - 9 x + 1}$$

Sequence: A164780
Score: 5.78074
Type of gen. func.: ogf

$$-(20 f(x) x + f(x) - 31 x - 1) (10 f(x) x - f(x) + x + 1)^2$$

Sequence: A164781
Score: 4.30195
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^4 + 1) (1 + x)^2}{55 x^8 - 10 x^7 - 10 x^6 - 10 x^5 - 10 x^4 - 10 x^3 - 10 x^2 - 10 x + 1}$$

Sequence: A164781
Score: 5.78074
Type of gen. func.: ogf

$$-(22 f(x) x + f(x) - 34 x - 1) (11 f(x) x - f(x) + x + 1)^2$$

Sequence: A164783
Score: 12.2898
Type of gen. func.: ogf

$$\frac{35 x + 1}{(7 x - 1) (x - 1)}$$

Sequence: A164783
Score: 12.5808
Type of gen. func.: revogf

$$- \frac{-1 - 8 x + (36 x^2 + 156 x + 1)^{1/2}}{14 (-5 + x)}$$

Sequence: A164783

Score: 13.1799
Type of gen. func.: lgdogf

```
                                     2
                                245 x  + 14 x - 43
                         - ----------------------------
                           (x - 1) (35 x + 1) (7 x - 1)
```

Sequence: A164783
Score: 6.21244
Type of gen. func.: ogf

```
                                      2
           (330 f(x) + 1519) (7 f(x) x  - 8 f(x) x + f(x) - 35 x - 1)
```

Sequence: A164783
Score: 6.81123
Type of gen. func.: ogf

```
             {-a(n + 2) + 8 a(n + 1) - 7 a(n), a(0) = 1, a(1) = 43}
```

Sequence: A164784
Score: 12.8295
Type of gen. func.: ogf

```
                                   24 x + 1
                               -----------------
                               (6 x - 1) (x - 1)
```

Sequence: A164784
Score: 13.1404
Type of gen. func.: revogf

```
                                        2             1/2
                        -1 - 7 x + (25 x  + 110 x + 1)
                      - ---------------------------------
                                   12 (-4 + x)
```

Sequence: A164784
Score: 13.7661
Type of gen. func.: lgdogf

```
                                     2
                                144 x  + 12 x - 31
                         - ----------------------------
```

$$(x - 1) (6 x - 1) (24 x + 1)$$

Sequence: A164784
Score: 6.55733
Type of gen. func.: ogf

$$(205 f(x) + 756) (6 f(x) x^{2} - 7 f(x) x + f(x) - 24 x - 1)$$

Sequence: A164784
Score: 7.11035
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) - 6 a(n), a(0) = 1, a(1) = 31\}$$

Sequence: A164785
Score: 12.9061
Type of gen. func.: ogf

$$\frac{1 + 15 x}{(5 x - 1) (x - 1)}$$

Sequence: A164785
Score: 13.5233
Type of gen. func.: revogf

$$- \frac{-1 - 6 x + (16 x^{2} + 72 x + 1)^{1/2}}{10 (-3 + x)}$$

Sequence: A164785
Score: 14.5376
Type of gen. func.: lgdogf

$$- \frac{(5 x + 3) (15 x - 7)}{(x - 1) (1 + 15 x) (5 x - 1)}$$

Sequence: A164785
Score: 6.59647

Type of gen. func.: ogf

$$(116 f(x) + 325) (5 f(x) x^2 - 6 f(x) x + f(x) - 15 x - 1)$$

Sequence: A164785
Score: 7.15278
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 5 a(n), a(0) = 1, a(1) = 21\}$$

Sequence: A164786
Score: 12.9939
Type of gen. func.: ogf

$$\frac{48 x + 1}{(8 x - 1) (x - 1)}$$

Sequence: A164786
Score: 13.3169
Type of gen. func.: revogf

$$- \frac{-1 - 9 x + (49 x^2 + 210 x + 1)^{1/2}}{16 (-6 + x)}$$

Sequence: A164786
Score: 13.9510
Type of gen. func.: lgdogf

$$- \frac{384 x^2 + 16 x - 57}{(x - 1) (8 x - 1) (48 x + 1)}$$

Sequence: A164786
Score: 6.56836
Type of gen. func.: ogf

$$(497 f(x) + 2752) (8 f(x) x^2 - 9 f(x) x + f(x) - 48 x - 1)$$

Sequence: A164786
Score: 7.20146
Type of gen. func.: ogf

$$\{-a(n + 2) + 9 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 57\}$$

Sequence: A164787
Score: 22.7884
Type of gen. func.: ogf_with_Euler_transform]

$$x^{16} + x^{3} + x + 3$$

Sequence: A164815
Score: 3.88743
Type of gen. func.: ogf

$$\frac{(x^{2} + 1) (x^{4} + 1) (1 + x)^{2}}{66 x^{8} - 11 x^{7} - 11 x^{6} - 11 x^{5} - 11 x^{4} - 11 x^{3} - 11 x^{2} - 11 x + 1}$$

Sequence: A164815
Score: 7.37469
Type of gen. func.: ogf

$$(f(x) - 1) (12 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A164826
Score: 5.8176
Type of gen. func.: ogf

$$(3668 f(x) - 3253) (f(x) x^{4} - 12 f(x) x^{2} - x^{3} + 12 x^{2} + f(x) - x - 2)$$

Sequence: A164826
Score: 8.51019
Type of gen. func.: lgdogf

6 5 4 3 2

$$-\frac{x - 24 x + 15 x + 8 x - 15 x - 24 x - 1}{(x^3 - 12 x^2 + x + 2) (x^4 - 12 x^2 + 1)}$$

Sequence: A164826
Score: 9.46446
Type of gen. func.: ogf

$$\frac{x^3 - 12 x^2 + x + 2}{x^4 - 12 x^2 + 1}$$

Sequence: A164827
Score: 13.5413
Type of gen. func.: ogf

$$\frac{x - 2}{10 x^2 + x - 1}$$

Sequence: A164827
Score: 16.9496
Type of gen. func.: lgdogf

$$-\frac{10 x^2 - 40 x - 1}{(x - 2) (10 x^2 + x - 1)}$$

Sequence: A164827
Score: 6.84504
Type of gen. func.: ogf

$$(902 f(x) - 1803) (10 f(x) x^2 + f(x) x - f(x) - x + 2)$$

Sequence: A164827
Score: 7.50480
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 10 a(n), a(0) = 2, a(1) = 1\}$$

Sequence: A164828
Score: 9.31482
Type of gen. func.: ogf

$$- \frac{10 x^4 - 109 x^3 - x - 1}{(x^2 + 1) (x^4 - 12 x^2 + 1)}$$

Sequence: A164835
Score: 3.97528
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^4 + 1) (1 + x)^2}{78 x^8 - 12 x^7 - 12 x^6 - 12 x^5 - 12 x^4 - 12 x^3 - 12 x^2 - 12 x + 1}$$

Sequence: A164835
Score: 7.54135
Type of gen. func.: ogf

$$(f(x) - 1) (13 f(x) x - f(x) + x + 1)^2$$

Sequence: A164845
Score: 11.4839
Type of gen. func.: ogf

$$\frac{x^2 - x + 3}{(x - 1)^4}$$

Sequence: A164845
Score: 26.8081
Type of gen. func.: lgdogf

$$- \frac{2 x^2 - x + 11}{2}$$

$$(x - 1) (x - x + 3)$$

Sequence: A164845
Score: 3.94222
Type of gen. func.: ogf

$$\{(3 n + 12) a(n + 4) + (-23 - 4 n) a(n + 3) + (5 + 2 n) a(n + 2) + (-3 - n) a(n + 1), a(0) = 3, a(1) = 11, a(2) = 27, a(3) = 54\}$$

Sequence: A164845
Score: 5.86953
Type of gen. func.: ogf

$$(5778 f(x) + 6283) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - x^2 + f(x) + x - 3)$$

Sequence: A164849
Score: 4.27454
Type of gen. func.: ogf

$$- \frac{(x - 1) (1 + x)}{(10 x + 1) (10 x - 1) (x^2 + x - 1)}$$

Sequence: A164849
Score: 5.85325
Type of gen. func.: ogf

$$(7870301 f(x) - 19602) (100 f(x) x^4 + 100 f(x) x^3 - 101 f(x) x^2 - f(x) x + x^2 + f(x) - 1)$$

Sequence: A164852
Score: 4.8332
Type of gen. func.: ogf

$$(32578 f(x) - 19777) (10 f(x) x^4 + 10 f(x) x^3 - 11 f(x) x^2 + 11 x^3 - f(x) x + 10 x^2 + f(x) - 11 x - 1)$$

Sequence: A164854
Score: 2.83310
Type of gen. func.: ogf

$$-\frac{(x-1)(1+x)}{(10x^2-1)(x^2+x-1)}$$

Sequence: A164854
Score: 5.60044
Type of gen. func.: ogf

$$(6731 f(x) - 162)$$

$$(10 f(x) x^4 + 10 f(x) x^3 - 11 f(x) x^2 - f(x) x + x^2 + f(x) - 1)$$

Sequence: A164856
Score: 3.25662
Type of gen. func.: ogf

$$-\frac{101x^3+100x^2-101x-1}{(10x+1)(10x-1)(x^2+x-1)}$$

Sequence: A164860
Score: 4.08509
Type of gen. func.: ogf

$$\frac{(x^2+1)(x^4+1)(1+x)^2}{91x^8-13x^7-13x^6-13x^5-13x^4-13x^3-13x^2-13x+1}$$

Sequence: A164860
Score: 7.74967
Type of gen. func.: ogf

$$(f(x) - 1)(14 f(x) x - f(x) + x + 1)^2$$

Sequence: A164867
Score: 4.11905
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^4 + 1) (1 + x)^2}{105 x^8 - 14 x^7 - 14 x^6 - 14 x^5 - 14 x^4 - 14 x^3 - 14 x^2 - 14 x + 1}$$

Sequence: A164867
Score: 7.87467
Type of gen. func.: ogf

$$(f(x) - 1) (15 f(x) x - f(x) + x + 1)^2$$

Sequence: A164868
Score: 4.22802
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^4 + 1) (1 + x)^2}{120 x^8 - 15 x^7 - 15 x^6 - 15 x^5 - 15 x^4 - 15 x^3 - 15 x^2 - 15 x + 1}$$

Sequence: A164868
Score: 8.08299
Type of gen. func.: ogf

$$(f(x) - 1) (16 f(x) x - f(x) + x + 1)^2$$

Sequence: A164870
Score: 12.5455
Type of gen. func.: ogf

$$- \frac{(2 x - 1)^2}{6 x^3 - 10 x^2 + 6 x - 1}$$

Sequence: A164870
Score: 12.6231
Type of gen. func.: lgdogf

$$-\frac{2\,(x-1)\,(6\,x^{2}-3\,x+1)}{(2\,x-1)\,(6\,x^{3}-10\,x^{2}+6\,x-1)}$$

Sequence: A164870
Score: 6.88335
Type of gen. func.: ogf

$$\{a(n+3)-6\,a(n+2)+10\,a(n+1)-6\,a(n),\ a(0)=1,\ a(1)=2,\ a(2)=6\}$$

Sequence: A164870
Score: 6.9448
Type of gen. func.: ogf

$$(f(x)-1)\,(6\,f(x)\,x^{3}-10\,f(x)\,x^{2}+6\,f(x)\,x+4\,x^{2}-f(x)-4\,x+1)$$

Sequence: A164871
Score: 5.45288
Type of gen. func.: ogf

$$\frac{(x-1)\,(18\,x^{5}-80\,x^{4}+97\,x^{3}-51\,x^{2}+12\,x-1)}{(2\,x-1)\,(36\,x^{5}-90\,x^{4}+99\,x^{3}-51\,x^{2}+12\,x-1)}$$

Sequence: A164892
Score: 4.29340
Type of gen. func.: ogf

$$\frac{(x^{2}+1)\,(x^{4}+1)\,(1+x)^{2}}{136\,x^{8}-16\,x^{7}-16\,x^{6}-16\,x^{5}-16\,x^{4}-16\,x^{3}-16\,x^{2}-16\,x+1}$$

Sequence: A164892

Score: 8.20799
Type of gen. func.: ogf

$$(f(x) - 1) (17 f(x) x - f(x) + x + 1)^2$$

Sequence: A164897
Score: 14.4189
Type of gen. func.: ogf

$$-\frac{3 x^2 + 2 x + 3}{(x - 1)^3}$$

Sequence: A164897
Score: 23.9996
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 10 x + 11}{(x - 1) (3 x^2 + 2 x + 3)}$$

Sequence: A164897
Score: 7.71536
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3, a(1) = 11, a(2) = 27\}$$

Sequence: A164897
Score: 7.78364
Type of gen. func.: ogf

$$(37 f(x) - 90) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) + 2 x + 3)$$

Sequence: A164900
Score: 9.08059
Type of gen. func.: ogf

$$x^5 + 3 x^4 + 2 x^2 + 3 x + 3$$

$$- \frac{}{(x - 1)^3 (1 + x)^3}$$

Sequence: A164900
Score: 9.60058
Type of gen. func.: lgdogf

$$- \frac{x^6 + 6 x^5 + 5 x^4 + 20 x^3 + 15 x^2 + 22 x + 3}{(x - 1) (1 + x) (x^5 + 3 x^4 + 2 x^2 + 3 x + 3)}$$

Sequence: A164906
Score: 10.1531
Type of gen. func.: ogf

$$-(5 f(x) + 2) (4 f(x) x^2 - f(x) + 4 x + 1)$$

Sequence: A164906
Score: 11.2637
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A164906
Score: 16.0684
Type of gen. func.: revegf]

$$-1/2 \ln(3) + 1/2 \ln(2 + 2 x + (4 x^2 + 8 x + 1)^{1/2})$$

Sequence: A164906
Score: 17.5823
Type of gen. func.: ogf

$$- \frac{4 x + 1}{(2 x - 1) (2 x + 1)}$$

Sequence: A164906
Score: 17.6753
Type of gen. func.: lgdogf

$$-\frac{4 (4 x^2 + 2 x + 1)}{(4 x + 1) (2 x + 1) (2 x - 1)}$$

Sequence: A164907
Score: 14.6252
Type of gen. func.: ogf

$$-\frac{3 x + 1}{(1 + x) (-1 + 3 x)}$$

Sequence: A164907
Score: 16.1276
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (16 x^2 + 16 x + 1)^{1/2}}{6 (1 + x)}$$

Sequence: A164907
Score: 17.4352
Type of gen. func.: lgdogf

$$-\frac{9 x^2 + 6 x + 5}{(-1 + 3 x) (3 x + 1) (1 + x)}$$

Sequence: A164907
Score: 7.65274
Type of gen. func.: ogf

$$(16 f(x) + 9) (3 f(x) x^2 + 2 f(x) x - f(x) + 3 x + 1)$$

Sequence: A164907
Score: 8.02605
Type of gen. func.: ogf

$$\{a(n+2) - 2 a(n+1) - 3 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A164908
Score: 16.1659
Type of gen. func.: ogf

$$-4 f(x) x + f(x) - 2 x - 1$$

Sequence: A164908
Score: 16.4401
Type of gen. func.: ogf

$$-\frac{2 x + 1}{-1 + 4 x}$$

Sequence: A164908
Score: 18.6170
Type of gen. func.: revogf

$$-1/4 - x + \frac{(16 x^2 + 16 x + 1)^{1/2}}{4}$$

Sequence: A164908
Score: 31.3549
Type of gen. func.: lgdogf

$$-\frac{6}{(2 x + 1) (-1 + 4 x)}$$

Sequence: A164908
Score: 8.44840
Type of gen. func.: ogf

$$\{a(n+2) - 4 a(n+1), a(0) = 1, a(1) = 6\}$$

Sequence: A164909
Score: 3.87730

Type of gen. func.: ogf

$$-\frac{171 x^8 + 19 x^7 + 19 x^6 + 19 x^5 + 19 x^4 + 19 x^3 + 19 x^2 + 19 x + 1}{323 x^6 + 323 x^4 + 323 x^2 - 1}$$

Sequence: A164909
Score: 9.19062
Type of gen. func.: ogf

$$-(18 f(x) x - f(x) + x + 1)^2$$

Sequence: A164911
Score: 3.92062
Type of gen. func.: ogf

$$-\frac{190 x^8 + 20 x^7 + 20 x^6 + 20 x^5 + 20 x^4 + 20 x^3 + 20 x^2 + 20 x + 1}{360 x^6 + 360 x^4 + 360 x^2 - 1}$$

Sequence: A164911
Score: 9.29331
Type of gen. func.: ogf

$$-(19 f(x) x - f(x) + x + 1)^2$$

Sequence: A164913
Score: 14.9090
Type of gen. func.: ogf

$$\frac{1}{(10 x - 1) (x^2 - x - 1)}$$

Sequence: A164913
Score: 17.4751
Type of gen. func.: lgdogf

$$-\frac{30 x^2 - 22 x - 9}{(10 x - 1) (x^2 - x - 1)}$$

Sequence: A164913
Score: 5.57466
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 1, a(1) = 9, a(2) = 92\}$$

Sequence: A164913
Score: 5.62357
Type of gen. func.: ogf

$$-(853211 f(x) + 54300) (10 f(x) x^3 - 11 f(x) x^2 - 9 f(x) x + f(x) - 1)$$

Sequence: A164916
Score: 5.45312
Type of gen. func.: ogf

$$-\frac{128 x^7 + 192 x^6 + 128 x^5 - 112 x^4 + 24 x^3 + 20 x^2 + 8 x - 1}{(2 x - 1)^2 (2 x + 1)^2 (4 x^2 + 1)^2}$$

Sequence: A164938
Score: 33.8322
Type of gen. func.: ogf_with_Euler_transform]

$$[8 - 2 x]$$

Sequence: A164938
Score: 35.3148
Type of gen. func.: lgdogf

$$-\frac{4 (x + 2)}{(x - 1) (1 + x)}$$

Sequence: A164938
Score: 5.34914
Type of gen. func.: ogf

$$\{(n + 2) a(n + 3) - 8 a(n + 2) + (-4 - n) a(n + 1), a(0) = 0, a(1) = 3, a(2) = 24\}$$

Sequence: A164938
Score: 7.79114
Type of gen. func.: ogf

$$\frac{3 x (1 + x)^2}{(x - 1)^6}$$

Sequence: A164954
Score: 3.98560
Type of gen. func.: ogf

$$- \frac{210 x^8 + 21 x^7 + 21 x^6 + 21 x^5 + 21 x^4 + 21 x^3 + 21 x^2 + 21 x + 1}{399 x^6 + 399 x^4 + 399 x^2 - 1}$$

Sequence: A164954
Score: 9.44734
Type of gen. func.: ogf

$$-(20 f(x) x - f(x) + x + 1)^2$$

Sequence: A164956
Score: 4.00726
Type of gen. func.: ogf

$$- \frac{231 x^8 + 22 x^7 + 22 x^6 + 22 x^5 + 22 x^4 + 22 x^3 + 22 x^2 + 22 x + 1}{440 x^6 + 440 x^4 + 440 x^2 - 1}$$

Sequence: A164956
Score: 9.49868
Type of gen. func.: ogf

$$-(21 f(x) x - f(x) + x + 1)^2$$

Sequence: A164957
Score: 4.11556
Type of gen. func.: ogf

$$-\frac{253 x^8 + 23 x^7 + 23 x^6 + 23 x^5 + 23 x^4 + 23 x^3 + 23 x^2 + 23 x + 1}{483 x^6 + 483 x^4 + 483 x^2 - 1}$$

Sequence: A164957
Score: 9.7554
Type of gen. func.: ogf

$$-(22 f(x) x - f(x) + x + 1)^2$$

Sequence: A164959
Score: 4.13723
Type of gen. func.: ogf

$$-\frac{276 x^8 + 24 x^7 + 24 x^6 + 24 x^5 + 24 x^4 + 24 x^3 + 24 x^2 + 24 x + 1}{528 x^6 + 528 x^4 + 528 x^2 - 1}$$

Sequence: A164959
Score: 9.80675
Type of gen. func.: ogf

$$-(23 f(x) x - f(x) + x + 1)^2$$

Sequence: A164963
Score: 4.18055
Type of gen. func.: ogf

$$-\frac{300 x^8 + 25 x^7 + 25 x^6 + 25 x^5 + 25 x^4 + 25 x^3 + 25 x^2 + 25 x + 1}{575 x^6 + 575 x^4 + 575 x^2 - 1}$$

Sequence: A164963
Score: 9.90944
Type of gen. func.: ogf

$$-(24 f(x) x - f(x) + x + 1)^2$$

Sequence: A164964
Score: 10.0121
Type of gen. func.: ogf

$$-(25 f(x) x - f(x) + x + 1)^2$$

Sequence: A164964
Score: 4.22387
Type of gen. func.: ogf

$$-\frac{325 x^8 + 26 x^7 + 26 x^6 + 26 x^5 + 26 x^4 + 26 x^3 + 26 x^2 + 26 x + 1}{624 x^6 + 624 x^4 + 624 x^2 - 1}$$

Sequence: A164965
Score: 17.1245
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (x^2 - x + 1)}$$

Sequence: A164965
Score: 19.1483
Type of gen. func.: ogf_with_Euler_transform]

$$x^5 - x^2 - x + 2$$

Sequence: A164965
Score: 24.6649
Type of gen. func.: lgdogf

$$-\frac{3x^2 - 4x + 2}{(x-1)(x^2 - x + 1)}$$

Sequence: A164965
Score: 5.65721
Type of gen. func.: ogf

$$\{a(n+3) - 2a(n+2) + 2a(n+1) - a(n), a(0) = 1, a(1) = 2, a(2) = 2\}$$

Sequence: A164965
Score: 6.40007
Type of gen. func.: ogf

$$(f(x) - 2)(f(x)x^3 - 2f(x)x^2 + 2f(x)x - f(x) + 1)$$

Sequence: A164969
Score: 10.1148
Type of gen. func.: ogf

$$-(26 f(x) x - f(x) + x + 1)^2$$

Sequence: A164969
Score: 4.26719
Type of gen. func.: ogf

$$-\frac{351x^8 + 27x^7 + 27x^6 + 27x^5 + 27x^4 + 27x^3 + 27x^2 + 27x + 1}{675x^6 + 675x^4 + 675x^2 - 1}$$

Sequence: A164970
Score: 10.2688

Type of gen. func.: ogf

$$-(27 f(x) x - f(x) + x + 1)^2$$

Sequence: A164970
Score: 4.33217
Type of gen. func.: ogf

$$-\frac{378 x^8 + 28 x^7 + 28 x^6 + 28 x^5 + 28 x^4 + 28 x^3 + 28 x^2 + 28 x + 1}{728 x^6 + 728 x^4 + 728 x^2 - 1}$$

Sequence: A164973
Score: 6.06641
Type of gen. func.: ogf

$$(f(x) - 1)^2 (4245696 x^5 + 295 f(x) x - 9 f(x) - 295 x + 9)$$

Sequence: A164974
Score: 10.3202
Type of gen. func.: ogf

$$-(28 f(x) x - f(x) + x + 1)^2$$

Sequence: A164974
Score: 4.35384
Type of gen. func.: ogf

$$-\frac{406 x^8 + 29 x^7 + 29 x^6 + 29 x^5 + 29 x^4 + 29 x^3 + 29 x^2 + 29 x + 1}{783 x^6 + 783 x^4 + 783 x^2 - 1}$$

Sequence: A164983
Score: 10.4229
Type of gen. func.: ogf

$$-(29 f(x) x - f(x) + x + 1)^2$$

Sequence: A164983
Score: 4.39716
Type of gen. func.: ogf

$$-\frac{435x^8+30x^7+30x^6+30x^5+30x^4+30x^3+30x^2+30x+1}{840x^6+840x^4+840x^2-1}$$

Sequence: A164985
Score: 5.17815
Type of gen. func.: lgdogf

$$-3\left(19683x^7+26244x^6+19683x^5+4131x^4+1458x^3+405x^2+18x+2\right) \Big/ \left(\left(729x^5+486x^4+243x^3+27x^2+6x+1\right)\left(81x^3-1\right)\right)$$

Sequence: A164985
Score: 6.64740
Type of gen. func.: ogf

$$\frac{729x^5+486x^4+243x^3+27x^2+6x+1}{(81x^3-1)^2}$$

Sequence: A164991
Score: 3.78384
Type of gen. func.: ogf

$\{-8\,a(n)\,n+4\,a(n+1)\,n+(2n+6)\,a(n+2)+(-3-n)\,a(n+3),\ a(0)=1,$

$a(1)=1,\ a(2)=3\}$

Sequence: A164991
Score: 5.00341
Type of gen. func.: ogf

$$4f(x)^2x^2-4f(x)^2x-4f(x)x^2+f(x)^2+8f(x)x+2x^2-3f(x)-3x+2$$

Sequence: A164992
Score: 10.4742
Type of gen. func.: ogf

$$-(30 f(x) x - f(x) + x + 1)^2$$

Sequence: A164992
Score: 4.41881
Type of gen. func.: ogf

$$-\frac{465 x^8 + 31 x^7 + 31 x^6 + 31 x^5 + 31 x^4 + 31 x^3 + 31 x^2 + 31 x + 1}{899 x^6 + 899 x^4 + 899 x^2 - 1}$$

Sequence: A165020
Score: 14.7954
Type of gen. func.: ogf

$$-f(x) (x^4 + f(x) x - f(x) + 2)$$

Sequence: A165020
Score: 24.1779
Type of gen. func.: ogf

$$-\frac{x^4 + 2}{x - 1}$$

Sequence: A165020
Score: 32.4226
Type of gen. func.: lgdogf

$$\frac{3 x^4 - 4 x^3 - 2}{(x - 1) (x^4 + 2)}$$

Sequence: A165020
Score: 9.17864
Type of gen. func.: ogf

$$\{-a(n+2)+a(n+1),\ a(0)=2,\ a(1)=2,\ a(2)=2,\ a(3)=2,\ a(4)=3\}$$

Sequence: A165023
Score: 3.17056
Type of gen. func.: ogf

$$-6\,(819200\,x^6-1047040\,x^5+147232\,x^4+108160\,x^3-28906\,x^2+1690\,x-21)/((x-1)\,(-1+4\,x)\,(64\,x-1)\,(16\,x-1))$$

Sequence: A165024
Score: 14.0498
Type of gen. func.: ogf

$$-\frac{x^2+2}{x-1}$$

Sequence: A165024
Score: 21.5086
Type of gen. func.: lgdogf

$$\frac{x^2-2\,x-2}{(x-1)\,(x^2+2)}$$

Sequence: A165024
Score: 6.85765
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+2),\ a(0)=2,\ a(1)=2,\ a(2)=3\}$$

Sequence: A165024
Score: 7.68057
Type of gen. func.: ogf

$$-(f(x) - 2) (f(x) x + x^2 - f(x) + 2)$$

Sequence: A165025
Score: 6.89569
Type of gen. func.: lgdogf

$$x (3 x^{12} + 3 x^{11} - 7 x^{10} - 13 x^9 + 22 x^7 + 16 x^6 - 8 x^5 - 13 x^4 - x^3 + 6 x^2 + 8 x + 2) / ((x - 1) (1 + x) (x^2 + x + 1) (x^{10} - 3 x^8 + 2 x^6 - x^3 + x^2 - 1))$$

Sequence: A165025
Score: 7.95069
Type of gen. func.: ogf

$$\frac{x^{10} - 3 x^8 + 2 x^6 - x^3 + x^2 - 1}{(x^2 + x + 1) (1 + x)^2 (x - 1)^3}$$

Sequence: A165026
Score: 5.79189
Type of gen. func.: ogf

$$-\frac{x^{11} - 2 x^{10} - 2 x^9 + 6 x^8 + 2 x^7 - 5 x^6 - 2 x^5 + x^4 + 2 x^3 - x^2 + 1}{(x^2 + x + 1) (1 + x)^2 (x - 1)^3}$$

Sequence: A165027
Score: 8.09062
Type of gen. func.: ogf

$$\frac{x^7 - x^6 - 2 x^5 + x^4 + x^2 - 1}{(x^2 + x + 1) (1 + x)^2 (x - 1)^3}$$

Sequence: A165027
Score: 9.59823
Type of gen. func.: lgdogf

$$\frac{x\,(x^8+x^7-2\,x^6+4\,x^5+7\,x^4+x^3-x^2+5\,x+2)}{(x-1)\,(1+x)\,(x^2+x+1)\,(x^7-x^6-2\,x^5+x^4+x^2-1)}$$

Sequence: A165059
Score: 8.85083
Type of gen. func.: ogf

$$\frac{5\,x^{24}-5\,x^{23}+5\,x^{21}-5\,x^{18}+5\,x^{16}-5\,x^{13}+x^{11}-x^8+4\,x^6-6}{x-1}$$

Sequence: A165063
Score: 14.3041
Type of gen. func.: lgdogf

$$\frac{2\,(10\,x^5-20\,x^4+11\,x^3-2\,x^2+x+1)}{(x-1)\,(5\,x^5-5\,x^4+x^3-x^2+4\,x-6)}$$

Sequence: A165063
Score: 14.3666
Type of gen. func.: ogf

$$\frac{5\,x^5-5\,x^4+x^3-x^2+4\,x-6}{x-1}$$

Sequence: A165066
Score: 5.65560
Type of gen. func.: ogf

$$-\frac{x^{14}-x^8+x^5-x^4+x^2+x+1}{(x^2+x+1)\,(x^4+x^3+x^2+x+1)\,(x^2+1)\,(1+x)^2\,(x-1)^3}$$

Sequence: A165130
Score: 10.6009
Type of gen. func.: lgdogf

$$-\frac{448 x^3 - 1136 x^2 + 868 x - 189}{(x - 1) (28 x - 31) (2 x - 1) (-1 + 4 x)}$$

Sequence: A165130
Score: 11.2878
Type of gen. func.: ogf

$$\frac{x (28 x - 31)}{(x - 1) (2 x - 1) (-1 + 4 x)}$$

Sequence: A165130
Score: 5.41813
Type of gen. func.: ogf

$$(28327779 f(x) - 253144430)$$

$$(8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x - 28 x^2 - f(x) + 31 x)$$

Sequence: A165130
Score: 5.88927
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 8 a(n), a(0) = 0, a(1) = 31, a(2) = 189\}$$

Sequence: A165131
Score: 10.4742
Type of gen. func.: ogf

$$-(31 f(x) x - f(x) + x + 1)^2$$

Sequence: A165131
Score: 4.41881
Type of gen. func.: ogf

$$- \frac{496 x^{8} + 32 x^{7} + 32 x^{6} + 32 x^{5} + 32 x^{4} + 32 x^{3} + 32 x^{2} + 32 x + 1}{960 x^{6} + 960 x^{4} + 960 x^{2} - 1}$$

Sequence: A165133
Score: 10.4041
Type of gen. func.: ogf

$$- \frac{3 (28 x^{2} - 39 x + 10)}{(x - 1) (2 x - 1) (-1 + 4 x)}$$

Sequence: A165133
Score: 5.49339
Type of gen. func.: ogf

$(20927 f(x) + 367266)$

$(8 f(x) x^{3} - 14 f(x) x^{2} + 7 f(x) x + 84 x^{2} - f(x) - 117 x + 30)$

Sequence: A165133
Score: 5.86899
Type of gen. func.: ogf

$\{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 8 a(n), a(0) = 30, a(1) = 93, a(2) = 315$

$\}$

Sequence: A165133
Score: 8.98840
Type of gen. func.: lgdogf

$$- \frac{224 x^{4} - 624 x^{3} + 590 x^{2} - 224 x + 31}{(x - 1) (-1 + 4 x) (2 x - 1) (28 x^{2} - 39 x + 10)}$$

Sequence: A165134
Score: 4.00485
Type of gen. func.: ogf

$$(f(x) - 1)^2$$

Sequence: A165140
Score: 10.8336
Type of gen. func.: ogf

$$-(32 f(x) x - f(x) + x + 1)^2$$

Sequence: A165140
Score: 4.46577
Type of gen. func.: ogf

$$-\frac{528 x^8 + 33 x^7 + 33 x^6 + 33 x^5 + 33 x^4 + 33 x^3 + 33 x^2 + 33 x + 1}{1023 x^6 + 1023 x^4 + 1023 x^2 - 1}$$

Sequence: A165145
Score: 15.1846
Type of gen. func.: ogf

$$-\frac{(1 + x) (x^2 - x + 1) (x^6 - x^3 + 1)}{(x - 1)^3}$$

Sequence: A165145
Score: 16.3393
Type of gen. func.: lgdogf

$$\frac{3 (2 x^9 - 3 x^8 - 1)}{(x - 1) (1 + x) (x^2 - x + 1) (x^6 - x^3 + 1)}$$

Sequence: A165145
Score: 28.7123
Type of gen. func.: ogf_with_Euler_transform]

17 8

$$-x + x + 3$$

Sequence: A165147
Score: 12.5566
Type of gen. func.: ogf

$$-\frac{x - 1}{(7 x - 1) (-1 + 3 x)}$$

Sequence: A165147
Score: 12.8484
Type of gen. func.: revogf

$$-\frac{-1 - 10 x + (16 x^2 + 16 x + 1)^{1/2}}{2 (1 + 21 x)}$$

Sequence: A165147
Score: 14.4544
Type of gen. func.: lgdogf

$$-\frac{3 (7 x^2 - 14 x + 3)}{(x - 1) (-1 + 3 x) (7 x - 1)}$$

Sequence: A165147
Score: 6.631
Type of gen. func.: ogf

$$(16 f(x) + 11) (21 f(x) x^2 - 10 f(x) x + f(x) + x - 1)$$

Sequence: A165147
Score: 7.02570
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 21 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A165148

Score: 13.2577
Type of gen. func.: ogf

$$-\frac{2x-1}{(8x-1)(-1+4x)}$$

Sequence: A165148
Score: 13.5806
Type of gen. func.: revogf

$$-\frac{-1-12x+(16x^2+16x+1)^{1/2}}{4(16x+1)}$$

Sequence: A165148
Score: 14.2123
Type of gen. func.: lgdogf

$$-\frac{2(32x^2-32x+5)}{(8x-1)(2x-1)(-1+4x)}$$

Sequence: A165148
Score: 6.84739
Type of gen. func.: ogf

$$(284 f(x)+341)(32 f(x) x^2-12 f(x) x+f(x)+2x-1)$$

Sequence: A165148
Score: 7.33073
Type of gen. func.: ogf

$$\{-a(n+2)+12 a(n+1)-32 a(n), a(0)=1, a(1)=10\}$$

Sequence: A165149
Score: 12.3416
Type of gen. func.: ogf

$$-\frac{-1+3x}{(9x-1)(5x-1)}$$

Sequence: A165149
Score: 12.6284
Type of gen. func.: revogf

$$-\frac{-1 - 14 x + (16 x^2 + 16 x + 1)^{1/2}}{6 (1 + 15 x)}$$

Sequence: A165149
Score: 13.2157
Type of gen. func.: lgdogf

$$-\frac{135 x^2 - 90 x + 11}{(-1 + 3 x) (9 x - 1) (5 x - 1)}$$

Sequence: A165149
Score: 6.82418
Type of gen. func.: ogf

$$\{-a(n + 2) + 14 a(n + 1) - 45 a(n), a(0) = 1, a(1) = 11\}$$

Sequence: A165149
Score: 9.03001
Type of gen. func.: ogf

$$(64 f(x) + 57) (45 f(x) x^2 - 14 f(x) x + f(x) + 3 x - 1)$$

Sequence: A165150
Score: 11.8075
Type of gen. func.: ogf

$$-\frac{-1 + 4 x}{(10 x - 1) (6 x - 1)}$$

Sequence: A165150
Score: 12.0753

Type of gen. func.: revogf

$$-\frac{-1 - 16 x + (16 x^2 + 16 x + 1)^{1/2}}{8 (1 + 15 x)}$$

Sequence: A165150
Score: 12.0753
Type of gen. func.: lgdogf

$$-\frac{12 (20 x^2 - 10 x + 1)}{(6 x - 1) (-1 + 4 x) (10 x - 1)}$$

Sequence: A165150
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 16 a(n + 1) - 60 a(n), a(0) = 1, a(1) = 12\}$$

Sequence: A165150
Score: 8.72307
Type of gen. func.: ogf

$$(61 f(x) + 83) (60 f(x) x^2 - 16 f(x) x + f(x) + 4 x - 1)$$

Sequence: A165151
Score: 11.8075
Type of gen. func.: ogf

$$-\frac{5 x - 1}{(11 x - 1) (7 x - 1)}$$

Sequence: A165151
Score: 12.0753
Type of gen. func.: revogf

$$-\frac{-1 - 18 x + (16 x^2 + 16 x + 1)^{1/2}}{2 (5 + 77 x)}$$

Sequence: A165151
Score: 12.3498
Type of gen. func.: lgdogf

$$-\frac{385 x^2 - 154 x + 13}{(7 x - 1) (5 x - 1) (11 x - 1)}$$

Sequence: A165151
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 18 a(n + 1) - 77 a(n), a(0) = 1, a(1) = 13\}$$

Sequence: A165151
Score: 8.75728
Type of gen. func.: ogf

$$(80 f(x) + 89) (77 f(x) x^2 - 18 f(x) x + f(x) + 5 x - 1)$$

Sequence: A165152
Score: 10.7785
Type of gen. func.: revogf

$$-\frac{-1 - 20 x + (16 x^2 + 16 x + 1)^{1/2}}{12 (16 x + 1)}$$

Sequence: A165152
Score: 10.7903
Type of gen. func.: ogf

$$-\frac{6 x - 1}{(12 x - 1) (8 x - 1)}$$

Sequence: A165152
Score: 11.2684

Type of gen. func.: lgdogf

$$-\frac{2\,(288\,x^2 - 96\,x + 7)}{(6\,x - 1)\,(8\,x - 1)\,(12\,x - 1)}$$

Sequence: A165152
Score: 5.96641
Type of gen. func.: ogf

$$\{-a(n + 2) + 20\,a(n + 1) - 96\,a(n),\ a(0) = 1,\ a(1) = 14\}$$

Sequence: A165152
Score: 8.1457
Type of gen. func.: ogf

$$(22\,f(x) + 27)\,(96\,f(x)\,x^2 - 20\,f(x)\,x + f(x) + 6\,x - 1)$$

Sequence: A165154
Score: 10.2854
Type of gen. func.: ogf

$$-900\,f(x)\,x^2 - 91\,f(x)\,x + f(x) - x$$

Sequence: A165154
Score: 15.9424
Type of gen. func.: ogf

$$-\frac{x}{(9\,x + 1)\,(100\,x - 1)}$$

Sequence: A165154
Score: 6.59422
Type of gen. func.: revogf

$$\frac{-91\,x - 1 + (11881\,x^2 + 182\,x + 1)^{1/2}}{1800\,x}$$

Sequence: A165154
Score: 7.59162
Type of gen. func.: ogf

$$\{-a(n+2)+91\,a(n+1)+900\,a(n),\ a(0)=0,\ a(1)=1\}$$

Sequence: A165154
Score: 9.67153
Type of gen. func.: lgdogf

$$-\frac{91+1800\,x}{(9\,x+1)\,(100\,x-1)}$$

Sequence: A165155
Score: 10.5705
Type of gen. func.: ogf

$$-1100\,f(x)\,x^{2}+111\,f(x)\,x-f(x)+x$$

Sequence: A165155
Score: 11.6715
Type of gen. func.: lgdogf

$$-\frac{-111+2200\,x}{(100\,x-1)\,(11\,x-1)}$$

Sequence: A165155
Score: 17.8029
Type of gen. func.: ogf

$$\frac{x}{(100\,x-1)\,(11\,x-1)}$$

Sequence: A165155
Score: 7.86642
Type of gen. func.: ogf

$$\{a(n+2)-111\,a(n+1)+1100\,a(n),\ a(0)=0,\ a(1)=1\}$$

Sequence: A165155
Score: 8.55913
Type of gen. func.: revogf

$$-\frac{-111 x - 1 + (7921 x^{2} + 222 x + 1)^{1/2}}{2200 x}$$

Sequence: A165157
Score: 15.9203
Type of gen. func.: lgdogf

$$-\frac{2 x^{4} + 4 x^{3} - 4 x^{2} - 5 x - 3}{(x - 1) (1 + x) (x^{3} + x^{2} - 2 x - 1)}$$

Sequence: A165157
Score: 9.97694
Type of gen. func.: ogf

$$\frac{x (x^{3} + x^{2} - 2 x - 1)}{(1 + x)^{2} (x - 1)^{3}}$$

Sequence: A165166
Score: 10.8336
Type of gen. func.: ogf

$$-(33 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A165166
Score: 4.46577
Type of gen. func.: ogf

$$-\frac{561 x^{8} + 34 x^{7} + 34 x^{6} + 34 x^{5} + 34 x^{4} + 34 x^{3} + 34 x^{2} + 34 x + 1}{1088 x^{6} + 1088 x^{4} + 1088 x^{2} - 1}$$

Sequence: A165167
Score: 10.8336
Type of gen. func.: ogf

$$-(34 f(x) x - f(x) + x + 1)^2$$

Sequence: A165167
Score: 4.46577
Type of gen. func.: ogf

$$-\frac{595 x^8 + 35 x^7 + 35 x^6 + 35 x^5 + 35 x^4 + 35 x^3 + 35 x^2 + 35 x + 1}{1155 x^6 + 1155 x^4 + 1155 x^2 - 1}$$

Sequence: A165168
Score: 10.9363
Type of gen. func.: ogf

$$-(35 f(x) x - f(x) + x + 1)^2$$

Sequence: A165168
Score: 4.50811
Type of gen. func.: ogf

$$-\frac{630 x^8 + 36 x^7 + 36 x^6 + 36 x^5 + 36 x^4 + 36 x^3 + 36 x^2 + 36 x + 1}{1224 x^6 + 1224 x^4 + 1224 x^2 - 1}$$

Sequence: A165169
Score: 9.52832
Type of gen. func.: ogf

$$-(36 f(x) x - f(x) + x + 1)^2$$

Sequence: A165170
Score: 9.52832
Type of gen. func.: ogf

$$-(37 f(x) x - f(x) + x + 1)^2$$

Sequence: A165171
Score: 9.62862
Type of gen. func.: ogf

$$-(38 f(x) x - f(x) + x + 1)^2$$

Sequence: A165172
Score: 9.67877
Type of gen. func.: ogf

$$-(39 f(x) x - f(x) + x + 1)^2$$

Sequence: A165173
Score: 9.77907
Type of gen. func.: ogf

$$-(40 f(x) x - f(x) + x + 1)^2$$

Sequence: A165174
Score: 9.77907
Type of gen. func.: ogf

$$-(41 f(x) x - f(x) + x + 1)^2$$

Sequence: A165175
Score: 9.82922
Type of gen. func.: ogf

$$-(42 f(x) x - f(x) + x + 1)^2$$

Sequence: A165176
Score: 9.87937
Type of gen. func.: ogf

$$-(43 f(x) x - f(x) + x + 1)^2$$

Sequence: A165177
Score: 9.97967
Type of gen. func.: ogf

$$-(44 f(x) x - f(x) + x + 1)^2$$

Sequence: A165178
Score: 9.97967
Type of gen. func.: ogf

$$-(45 f(x) x - f(x) + x + 1)^2$$

Sequence: A165179
Score: 9.97967
Type of gen. func.: ogf

$$-(46 f(x) x - f(x) + x + 1)^2$$

Sequence: A165180
Score: 10.1803
Type of gen. func.: ogf

$$-(47 f(x) x - f(x) + x + 1)^2$$

Sequence: A165181
Score: 10.1803
Type of gen. func.: ogf

$$-(48 f(x) x - f(x) + x + 1)^2$$

Sequence: A165182
Score: 10.1803
Type of gen. func.: ogf

$$-(49 f(x) x - f(x) + x + 1)^2$$

Sequence: A165183
Score: 4.76830
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^6 + x^3 + 1)}{x^8 - 2 x^7 + x^6 - 2 x^5 + x^4 - 2 x^3 + x^2 - 2 x + 1}$$

Sequence: A165184
Score: 3.96896
Type of gen. func.: ogf

$$\frac{(1 + x) (x^2 + x + 1) (x^6 + x^3 + 1)}{3 x^9 - 2 x^8 - 2 x^7 - 2 x^6 - 2 x^5 - 2 x^4 - 2 x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A165185
Score: 3.98701
Type of gen. func.: ogf

$$\frac{(1 + x) (x^2 + x + 1) (x^6 + x^3 + 1)}{6 x^9 - 3 x^8 - 3 x^7 - 3 x^6 - 3 x^5 - 3 x^4 - 3 x^3 - 3 x^2 - 3 x + 1}$$

Sequence: A165187
Score: 13.6048
Type of gen. func.: lgdogf

$$- \frac{12 (3 x^3 + 16 x^2 + 14 x + 2)}{(x - 1) (9 x^3 + 33 x^2 + 17 x + 1)}$$

Sequence: A165187
Score: 4.03659
Type of gen. func.: ogf

$$\{(-6 n^2 - 54 n - 120) a(n + 1) + (7 n^2 + 30 n + 56) a(n + 2) + (-n^2 - 6 n - 9) a(n + 3), a(0) = 1, a(1) = 24, a(2) = 180\}$$

Sequence: A165187
Score: 6.86597
Type of gen. func.: ogf

$$-\frac{9 x^3 + 33 x^2 + 17 x + 1}{(x - 1)^7}$$

Sequence: A165188
Score: 11.3041
Type of gen. func.: ogf

$$\frac{1}{(x^2 + x + 1) (1 + x)^3 (x - 1)^4}$$

Sequence: A165188
Score: 20.3280
Type of gen. func.: lgdogf

$$-\frac{3 x (3 x^2 + 3 x + 2)}{(x - 1) (1 + x) (x^2 + x + 1)}$$

Sequence: A165188
Score: 32.8601
Type of gen. func.: ogf_with_Euler_transform]

$$[x^2 + 3 x]$$

Sequence: A165189
Score: 12.9248
Type of gen. func.: lgdogf

$$-\frac{2(6x^5+x^4+3x^3+x^2+3x+1)}{(x-1)(1+x)(x^2+x+1)(x^2-x+1)}$$

Sequence: A165189
Score: 28.0132
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5+2x+2]$$

Sequence: A165189
Score: 7.56318
Type of gen. func.: ogf

$$-\frac{1}{(x^2+x+1)(x^2-x+1)(1+x)^3(x-1)^5}$$

Sequence: A165190
Score: 14.3041
Type of gen. func.: lgdogf

$$-\frac{x^3(9x^4+9x^3+9x^2+9x+4)}{(x-1)(1+x)(x^2+1)(x^4+x^3+x^2+x+1)}$$

Sequence: A165190
Score: 23.4968
Type of gen. func.: ogf

$$\frac{1}{(1+x)(x^2+1)(x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A165190
Score: 33.1513
Type of gen. func.: ogf_with_Euler_transform]

$$[x^4 + x^3]$$

Sequence: A165192
Score: 13.3217
Type of gen. func.: ogf

$$\frac{x^2 + x + 1}{x^3 - x + 1}$$

Sequence: A165192
Score: 17.9947
Type of gen. func.: lgdogf

$$-\frac{x^4 + 2x^3 + 4x^2 - 2x - 2}{(x^2 + x + 1)(x^3 - x + 1)}$$

Sequence: A165192
Score: 7.43211
Type of gen. func.: ogf

$$(41 f(x) - 46) (f(x) x^3 - f(x) x - x^2 + f(x) - x - 1)$$

Sequence: A165192
Score: 7.51116
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) - a(n), a(0) = 1, a(1) = 2, a(2) = 3\}$$

Sequence: A165201
Score: 5.5405
Type of gen. func.: ogf

$$-f(x)^2 x^2 - 4 f(x)^2 x + 2 f(x) x^2 + f(x)^2 + 3 f(x) x - x^2 - f(x)$$

Sequence: A165202
Score: 10.7152
Type of gen. func.: ogf

$$\frac{1 + x}{(x^2 - x + 1)^2}$$

Sequence: A165202
Score: 19.7273
Type of gen. func.: ogf_with_Euler_transform]

$$2 x^5 - 2 x^2 - 3 x + 3$$

Sequence: A165202
Score: 26.2245
Type of gen. func.: lgdogf

$$-\frac{3 (x^2 + x - 1)}{(1 + x) (x^2 - x + 1)}$$

Sequence: A165202
Score: 5.2712
Type of gen. func.: ogf

$$(36 f(x) + 121) (f(x) x^4 - 2 f(x) x^3 + 3 f(x) x^2 - 2 f(x) x + f(x) - x - 1)$$

Sequence: A165203
Score: 4.89137
Type of gen. func.: ogf

$$-f(x)^2 x^3 - 4 f(x)^2 x^2 + f(x)^2 x - 5 f(x) x^2 - 4 f(x) x - x^2 + f(x) - 2 x - 1$$

Sequence: A165204
Score: 4.91675
Type of gen. func.: ogf

$$(7896 f(x) + 3181)$$

$$(f(x) x^4 - 3 f(x) x^3 + 8 f(x) x^2 + x^3 - 3 f(x) x - 2 x^2 + f(x) + 8 x - 1)$$

Sequence: A165204
Score: 9.13109
Type of gen. func.: ogf

$$-\frac{x^3 - 2 x^2 + 8 x - 1}{x^4 - 3 x^3 + 8 x^2 - 3 x + 1}$$

Sequence: A165205
Score: 5.85118
Type of gen. func.: ogf

$$4 f(x)^2 x^2 - f(x)^2 x + 4 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 2 x + 1$$

Sequence: A165206
Score: 10.5617
Type of gen. func.: lgdogf

$$-\frac{x^4 - 5 x^3 + 24 x^2 - 23 x - 3}{(x^2 - 3 x + 1) (x^3 - 4 x^2 + 9 x - 1)}$$

Sequence: A165206
Score: 3.7114
Type of gen. func.: ogf

$$-(1775 f(x) + 113)$$

$$(f(x) x^4 - 6 f(x) x^3 + 11 f(x) x^2 + x^3 - 6 f(x) x - 4 x^2 + f(x) + 9 x - 1)$$

Sequence: A165206
Score: 6.99455
Type of gen. func.: ogf

$$-\frac{x^3 - 4x^2 + 9x - 1}{(x^2 - 3x + 1)^2}$$

Sequence: A165207
Score: 17.3911
Type of gen. func.: ogf

$$-\frac{2(2x^2 + 1)}{(x - 1)(x^2 + 1)}$$

Sequence: A165207
Score: 23.1590
Type of gen. func.: lgdogf

$$-\frac{2x^4 + x^2 + 2x + 1}{(x - 1)(2x^2 + 1)(x^2 + 1)}$$

Sequence: A165207
Score: 8.85083
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) + a(n + 1) - a(n), a(0) = 2, a(1) = 2, a(2) = 4\}$$

Sequence: A165207
Score: 8.93057
Type of gen. func.: ogf

$$-(2 f(x) - 1)(f(x) x^3 - f(x) x^2 + f(x) x + 4 x^2 - f(x) + 2)$$

Sequence: A165211
Score: 11.4559

Type of gen. func.: ogf

$$-\frac{x (x^2 - x + 1)}{(x - 1) (x^4 + 1)}$$

Sequence: A165211
Score: 15.1653
Type of gen. func.: ogf_with_Euler_transform]

$$x (x^6 - x^4 - x^2 + x + 1)$$

Sequence: A165211
Score: 17.3692
Type of gen. func.: lgdogf

$$-\frac{x (3 x^5 - 6 x^4 + 8 x^3 - 4 x^2 - x + 2)}{(x - 1) (x^2 - x + 1) (x^4 + 1)}$$

Sequence: A165213
Score: 3.70552
Type of gen. func.: ogf

$$\frac{(1 + x) (x^2 + x + 1) (x^6 + x^3 + 1)}{10 x^9 - 4 x^8 - 4 x^7 - 4 x^6 - 4 x^5 - 4 x^4 - 4 x^3 - 4 x^2 - 4 x + 1}$$

Sequence: A165214
Score: 3.64975
Type of gen. func.: ogf

$$\frac{(1 + x) (x^2 + x + 1) (x^6 + x^3 + 1)}{15 x^9 - 5 x^8 - 5 x^7 - 5 x^6 - 5 x^5 - 5 x^4 - 5 x^3 - 5 x^2 - 5 x + 1}$$

Sequence: A165215

Score: 4.11385
Type of gen. func.: ogf

$$\frac{(1 + x) (x^2 + x + 1) (x^6 + x^3 + 1)}{21 x^9 - 6 x^8 - 6 x^7 - 6 x^6 - 6 x^5 - 6 x^4 - 6 x^3 - 6 x^2 - 6 x + 1}$$

Sequence: A165215
Score: 6.14913
Type of gen. func.: ogf

$$-(14 f(x) x + f(x) - 22 x - 1) (7 f(x) x - f(x) + x + 1)^2$$

Sequence: A165216
Score: 4.32482
Type of gen. func.: ogf

$$\frac{(1 + x) (x^2 + x + 1) (x^6 + x^3 + 1)}{28 x^9 - 7 x^8 - 7 x^7 - 7 x^6 - 7 x^5 - 7 x^4 - 7 x^3 - 7 x^2 - 7 x + 1}$$

Sequence: A165216
Score: 6.46447
Type of gen. func.: ogf

$$-(16 f(x) x + f(x) - 25 x - 1) (8 f(x) x - f(x) + x + 1)^2$$

Sequence: A165219
Score: 4.04342
Type of gen. func.: ogf

$$\frac{(1 + x) (x^2 + x + 1) (x^6 + x^3 + 1)}{36 x^9 - 8 x^8 - 8 x^7 - 8 x^6 - 8 x^5 - 8 x^4 - 8 x^3 - 8 x^2 - 8 x + 1}$$

Sequence: A165219
Score: 8.56964
Type of gen. func.: ogf

$$(f(x) - 1)\ (9\ f(x)\ x - f(x) + x + 1)^2$$

Sequence: A165220
Score: 15.8654
Type of gen. func.: lgdogf

$$-\frac{2\ (43\ x^2 + 418\ x + 307)}{(x - 1)\ (43\ x^2 + 250\ x + 91)}$$

Sequence: A165220
Score: 4.86133
Type of gen. func.: ogf

$$(288096\ f(x) + 33175843)$$

$$(f(x)\ x^4 - 4\ f(x)\ x^3 + 6\ f(x)\ x^2 - 43\ x^3 - 4\ f(x)\ x - 250\ x^2 + f(x) - 91\ x)$$

Sequence: A165220
Score: 9.40701
Type of gen. func.: ogf

$$\frac{x\ (43\ x^2 + 250\ x + 91)}{(x - 1)^4}$$

Sequence: A165222
Score: 4.61384
Type of gen. func.: ogf

$$-(28327779\ f(x) + 724012102)$$

$$(8\ f(x)\ x^3 - 14\ f(x)\ x^2 + 7\ f(x)\ x + 108\ x^2 - f(x) - 139\ x + 34)$$

Sequence: A165222
Score: 5.36309
Type of gen. func.: ogf

{-a(n + 3) + 7 a(n + 2) - 14 a(n + 1) + 8 a(n), a(0) = 34, a(1) = 99,

a(2) = 325}

Sequence: A165222
Score: 7.78629
Type of gen. func.: lgdogf

$$-\frac{864 x^4 - 2224 x^3 + 2006 x^2 - 736 x + 99}{(x - 1) (2 x - 1) (-1 + 4 x) (108 x^2 - 139 x + 34)}$$

Sequence: A165222
Score: 9.36539
Type of gen. func.: ogf

$$-\frac{108 x^2 - 139 x + 34}{(x - 1) (2 x - 1) (-1 + 4 x)}$$

Sequence: A165224
Score: 11.0917
Type of gen. func.: ogf

$$-\frac{9 x - 1}{49 x^2 - 18 x + 1}$$

Sequence: A165224
Score: 12.4385
Type of gen. func.: lgdogf

$$-\frac{441 x^2 - 98 x + 9}{(9 x - 1) (49 x^2 - 18 x + 1)}$$

Sequence: A165224
Score: 5.6055
Type of gen. func.: ogf

$$-(64 f(x) + 17) (49 f(x) x^2 - 18 f(x) x + f(x) + 9 x - 1)$$

Sequence: A165224
Score: 6.20608
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1) + 49 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A165225
Score: 12.4178
Type of gen. func.: ogf

$$-\frac{5 x - 1}{5 x^2 - 10 x + 1}$$

Sequence: A165225
Score: 14.3447
Type of gen. func.: lgdogf

$$-\frac{5 (5 x^2 - 2 x + 1)}{(5 x - 1) (5 x^2 - 10 x + 1)}$$

Sequence: A165225
Score: 14.7222
Type of gen. func.: revogf

$$-\frac{-1 - 10 x + (80 x^2 + 1)^{1/2}}{10 (1 + x)}$$

Sequence: A165225
Score: 6.20893
Type of gen. func.: ogf

$$-(76 f(x) - 51) (5 f(x) x^2 - 10 f(x) x + f(x) + 5 x - 1)$$

Sequence: A165225
Score: 6.88218
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 5 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A165229
Score: 3.90961
Type of gen. func.: ogf

$$-\frac{6 x - 1}{6 x^2 - 12 x + 1}$$

Sequence: A165229
Score: 8.1842
Type of gen. func.: ogf

$$-(115 f(x) - 79) (6 f(x) x^2 - 12 f(x) x + f(x) + 6 x - 1)$$

Sequence: A165230
Score: 15.7602
Type of gen. func.: ogf

$$-\frac{7 x - 1}{7 x^2 - 14 x + 1}$$

Sequence: A165230
Score: 7.71242
Type of gen. func.: ogf

$$-(162 f(x) - 113) (7 f(x) x^2 - 14 f(x) x + f(x) + 7 x - 1)$$

Sequence: A165230
Score: 8.73454
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1) + 7 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A165231
Score: 11.4560
Type of gen. func.: ogf

$$-\frac{8 x - 1}{8 x^2 - 16 x + 1}$$

Sequence: A165231
Score: 13.2216
Type of gen. func.: lgdogf

$$-\frac{8 (8 x^2 - 2 x + 1)}{(8 x - 1) (8 x^2 - 16 x + 1)}$$

Sequence: A165231
Score: 5.60615
Type of gen. func.: ogf

$$-(217 f(x) - 153) (8 f(x) x^2 - 16 f(x) x + f(x) + 8 x - 1)$$

Sequence: A165231
Score: 6.34912
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1) + 8 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A165232
Score: 10.2767
Type of gen. func.: revogf

$$-\frac{-1 - 18 x + (288 x^2 + 1)^{1/2}}{18 (1 + x)}$$

Sequence: A165232
Score: 10.2767
Type of gen. func.: lgdogf

$$-\frac{9 (9 x^2 - 2 x + 1)}{(9 x - 1) (9 x^2 - 18 x + 1)}$$

Sequence: A165232
Score: 4.37897
Type of gen. func.: ogf

$$-(280 f(x) - 199) (9 f(x) x^2 - 18 f(x) x + f(x) + 9 x - 1)$$

Sequence: A165232
Score: 4.95933
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1) + 9 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A165232
Score: 8.94835
Type of gen. func.: ogf

$$-\frac{9 x - 1}{9 x^2 - 18 x + 1}$$

Sequence: A165233
Score: 12.9223
Type of gen. func.: egf]

$$f(x) x^2 + f(x) - x - 1$$

Sequence: A165233
Score: 14.1830
Type of gen. func.: egf]

$$1 + x$$

$$x^2 + 1$$

Sequence: A165233
Score: 22.2137
Type of gen. func.: lgdegf]

$$-\frac{x^2 + 2 x - 1}{(1 + x) (x^2 + 1)}$$

Sequence: A165246
Score: 11.5615
Type of gen. func.: ogf

$$-\frac{60 x - 7}{(10 x - 1) (x - 1)}$$

Sequence: A165246
Score: 12.3498
Type of gen. func.: revogf

$$-\frac{-7 - 11 x + (81 x^2 - 86 x + 49)^{1/2}}{20 (6 + x)}$$

Sequence: A165246
Score: 12.6370
Type of gen. func.: lgdogf

$$-\frac{600 x^2 - 140 x + 17}{(x - 1) (60 x - 7) (10 x - 1)}$$

Sequence: A165246
Score: 5.90374
Type of gen. func.: ogf

$$-(47 f(x) - 40) (10 f(x) x^2 - 11 f(x) x + f(x) + 60 x - 7)$$

Sequence: A165246
Score: 6.52884
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 7, a(1) = 17\}$$

Sequence: A165247
Score: 10.2114
Type of gen. func.: ogf

$$-\frac{80 x - 9}{(10 x - 1) (x - 1)}$$

Sequence: A165247
Score: 10.6403
Type of gen. func.: revogf

$$-\frac{-9 - 11 x + (81 x^2 - 122 x + 81)^{1/2}}{20 (8 + x)}$$

Sequence: A165247
Score: 11.1352
Type of gen. func.: lgdogf

$$-\frac{800 x^2 - 180 x + 19}{(x - 1) (80 x - 9) (10 x - 1)}$$

Sequence: A165247
Score: 5.15943
Type of gen. func.: ogf

$$-(29 f(x) + 100) (10 f(x) x^2 - 11 f(x) x + f(x) + 80 x - 9)$$

Sequence: A165247
Score: 5.76641

Type of gen. func.: ogf

$$\{a(n+2) - 11\,a(n+1) + 10\,a(n),\ a(0) = 9,\ a(1) = 19\}$$

Sequence: A165248
Score: 5.43821
Type of gen. func.: ogf

$$-5\,x\,(x^{10} + 3\,x^{9} + 33\,x^{8} + 4\,x^{7} + 102\,x^{6} + 30\,x^{5} + 118\,x^{4} + 6\,x^{3} + 57\,x^{2} + 7\,x + 9) \Big/ \left((x-1)^{3}\,(1+x)^{3}\,(x^{2}+1)^{3}\right)$$

Sequence: A165259
Score: 4.40446
Type of gen. func.: ogf

$$-(3325\,f(x) + 396)\,(1296\,f(x)\,x^{2} - 97\,f(x)\,x + f(x) + 36\,x - 1)$$

Sequence: A165259
Score: 5.01198
Type of gen. func.: ogf

$$\{a(n+2) - 97\,a(n+1) + 1296\,a(n),\ a(0) = 1,\ a(1) = 61\}$$

Sequence: A165259
Score: 8.68942
Type of gen. func.: lgdogf

$$-\frac{46656\,x^{2} - 2592\,x + 61}{(81\,x - 1)\,(36\,x - 1)\,(16\,x - 1)}$$

Sequence: A165259
Score: 8.72084
Type of gen. func.: ogf

$$-\frac{36\,x - 1}{(81\,x - 1)\,(16\,x - 1)}$$

Sequence: A165259
Score: 8.87045
Type of gen. func.: revogf

$$-\frac{-1 - 97 x + (4225 x^2 + 50 x + 1)^{1/2}}{72 (1 + 36 x)}$$

Sequence: A165264
Score: 10.2769
Type of gen. func.: ogf

$$-(10 f(x) x - f(x) + x + 1)^2$$

Sequence: A165266
Score: 10.2769
Type of gen. func.: ogf

$$-(11 f(x) x - f(x) + x + 1)^2$$

Sequence: A165269
Score: 9.28664
Type of gen. func.: ogf

$$-(12 f(x) x - f(x) + x + 1)^2$$

Sequence: A165270
Score: 9.49651
Type of gen. func.: ogf

$$-(13 f(x) x - f(x) + x + 1)^2$$

Sequence: A165281
Score: 5.99265
Type of gen. func.: ogf

$$\frac{1901 x^4 - 2774 x^3 + 2616 x^2 - 1274 x + 251}{(x - 1)^6}$$

Sequence: A165282
Score: 9.75885
Type of gen. func.: ogf

$$-(14 f(x) x - f(x) + x + 1)^2$$

Sequence: A165283
Score: 10.7509
Type of gen. func.: ogf

$$\frac{16 x + 1}{(16 x - 1)^2}$$

Sequence: A165283
Score: 12.5781
Type of gen. func.: revogf

$$- \frac{-1 - 32 x + (1 + 128 x)^{1/2}}{32 (16 x - 1)}$$

Sequence: A165283
Score: 17.1901
Type of gen. func.: lgdogf

$$- \frac{16 (3 + 16 x)}{(16 x - 1) (16 x + 1)}$$

Sequence: A165283
Score: 5.78892
Type of gen. func.: ogf

$$(16 f(x) + 65) (256 f(x) x^2 - 32 f(x) x + f(x) - 16 x - 1)$$

Sequence: A165283
Score: 6.12549
Type of gen. func.: ogf

$$\{-a(n + 2) + 32 a(n + 1) - 256 a(n), a(0) = 1, a(1) = 48\}$$

Sequence: A165300
Score: 4.17184
Type of gen. func.: ogf

$$\frac{100 x^7 - 200 x^6 + 200 x^5 - 190 x^4 + 110 x^3 + 11 x^2 + x + 1}{(x - 1) (10 x^2 + 1) (10 x^2 - 1) (x^2 + 1)}$$

Sequence: A165308
Score: 9.91625
Type of gen. func.: ogf

$$-(15 f(x) x - f(x) + x + 1)^2$$

Sequence: A165310
Score: 13.3945
Type of gen. func.: ogf

$$- \frac{-1 + 4 x}{9 x^2 - 7 x + 1}$$

Sequence: A165310
Score: 14.0569
Type of gen. func.: revogf

$$- \frac{-1 - 7 x + (13 x^2 - 2 x + 1)^{1/2}}{2 (4 + 9 x)}$$

Sequence: A165310

Score: 15.1382
Type of gen. func.: lgdogf

$$-\frac{3\,(12\,x^2-6\,x+1)}{(-1+4\,x)\,(9\,x^2-7\,x+1)}$$

Sequence: A165310
Score: 6.77251
Type of gen. func.: ogf

$$-(7\,f(x)+2)\,(9\,f(x)\,x^2-7\,f(x)\,x+f(x)+4\,x-1)$$

Sequence: A165310
Score: 7.35065
Type of gen. func.: ogf

$$\{a(n+2)-7\,a(n+1)+9\,a(n),\ a(0)=1,\ a(1)=3\}$$

Sequence: A165311
Score: 13.1708
Type of gen. func.: ogf

$$-\frac{5\,x-1}{16\,x^2-9\,x+1}$$

Sequence: A165311
Score: 13.8065
Type of gen. func.: revogf

$$-\frac{-1-9\,x+(17\,x^2-2\,x+1)^{1/2}}{2\,(5+16\,x)}$$

Sequence: A165311
Score: 14.8420
Type of gen. func.: lgdogf

2

$$-\frac{4 (20 x - 8 x + 1)}{(5 x - 1) (16 x^2 - 9 x + 1)}$$

Sequence: A165311
Score: 6.73178
Type of gen. func.: ogf

$$-(9 f(x) + 7) (16 f(x) x^2 - 9 f(x) x + f(x) + 5 x - 1)$$

Sequence: A165311
Score: 7.29951
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) + 16 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A165312
Score: 12.4291
Type of gen. func.: ogf

$$-\frac{6 x - 1}{25 x^2 - 11 x + 1}$$

Sequence: A165312
Score: 13.0042
Type of gen. func.: revogf

$$-\frac{-1 - 11 x + (21 x^2 - 2 x + 1)^{1/2}}{2 (6 + 25 x)}$$

Sequence: A165312
Score: 13.6234
Type of gen. func.: lgdogf

$$-\frac{5 (30 x^2 - 10 x + 1)}{(6 x - 1) (25 x^2 - 11 x + 1)}$$

```
------------------------------------------------------------------------------

Sequence:  A165312
Score: 6.28137
Type of gen. func.: ogf


                                     2
           -(11 f(x) + 14) (25 f(x) x  - 11 f(x) x + f(x) + 6 x - 1)



------------------------------------------------------------------------------

Sequence:  A165312
Score: 6.95437
Type of gen. func.: ogf


             {a(n + 2) - 11 a(n + 1) + 25 a(n), a(0) = 1, a(1) = 5}



------------------------------------------------------------------------------

Sequence:  A165314
Score: 13.2577
Type of gen. func.: ogf


                                     7 x - 1
                             - --------------------
                               (9 x - 1) (-1 + 4 x)



------------------------------------------------------------------------------

Sequence:  A165314
Score: 5.93329
Type of gen. func.: lgdogf


                      5           4          3         2
           2 (492480 x  - 355680 x  + 91580 x  - 9754 x  + 344 x + 3)
          ------------------------------------------------------------
                                       4         3        2
          (-1 + 4 x) (9 x - 1) (13680 x  - 4940 x  + 380 x  - 7 x + 1)



------------------------------------------------------------------------------

Sequence:  A165314
Score: 6.70013
Type of gen. func.: ogf


                                     2
           -(13 f(x) + 23) (36 f(x) x  - 13 f(x) x + f(x) + 7 x - 1)



------------------------------------------------------------------------------

Sequence:  A165314
Score: 7.41800
Type of gen. func.: ogf
```

$$\{a(n+2) - 13\,a(n+1) + 36\,a(n),\ a(0) = 1,\ a(1) = 6\}$$

Sequence: A165321
Score: 10.1786
Type of gen. func.: ogf

$$-(16\,f(x)\,x - f(x) + x + 1)^2$$

Sequence: A165322
Score: 12.1536
Type of gen. func.: ogf

$$-\frac{8\,x - 1}{49\,x^2 - 15\,x + 1}$$

Sequence: A165322
Score: 12.7146
Type of gen. func.: revogf

$$-\frac{-1 - 15\,x + (29\,x^2 - 2\,x + 1)^{1/2}}{2\,(8 + 49\,x)}$$

Sequence: A165322
Score: 13.3201
Type of gen. func.: lgdogf

$$-\frac{7\,(56\,x^2 - 14\,x + 1)}{(8\,x - 1)\,(49\,x^2 - 15\,x + 1)}$$

Sequence: A165322
Score: 6.14216
Type of gen. func.: ogf

$$-(15\,f(x) + 34)\,(49\,f(x)\,x^2 - 15\,f(x)\,x + f(x) + 8\,x - 1)$$

Sequence: A165322
Score: 6.80025
Type of gen. func.: ogf

$$\{a(n+2) - 15\, a(n+1) + 49\, a(n),\ a(0) = 1,\ a(1) = 7\}$$

Sequence: A165323
Score: 11.4385
Type of gen. func.: ogf

$$-\frac{9x - 1}{64x^2 - 17x + 1}$$

Sequence: A165323
Score: 11.9556
Type of gen. func.: revogf

$$-\frac{-1 - 17x + (33x^2 - 2x + 1)^{1/2}}{2(9 + 64x)}$$

Sequence: A165323
Score: 12.5249
Type of gen. func.: lgdogf

$$-\frac{8(72x^2 - 16x + 1)}{(9x - 1)(64x^2 - 17x + 1)}$$

Sequence: A165323
Score: 5.78074
Type of gen. func.: ogf

$$-(17 f(x) + 47)(64 f(x) x^2 - 17 f(x) x + f(x) + 9x - 1)$$

Sequence: A165323
Score: 6.40011

Type of gen. func.: ogf

$$\{a(n+2) - 17\,a(n+1) + 64\,a(n),\ a(0) = 1,\ a(1) = 8\}$$

Sequence: A165324
Score: 11.5615
Type of gen. func.: ogf

$$-\frac{10\,x - 1}{81\,x^2 - 19\,x + 1}$$

Sequence: A165324
Score: 12.0753
Type of gen. func.: revogf

$$-\frac{-1 - 19\,x + (37\,x^2 - 2\,x + 1)^{1/2}}{2\,(10 + 81\,x)}$$

Sequence: A165324
Score: 12.6370
Type of gen. func.: lgdogf

$$-\frac{9\,(90\,x^2 - 18\,x + 1)}{(10\,x - 1)\,(81\,x^2 - 19\,x + 1)}$$

Sequence: A165324
Score: 5.90374
Type of gen. func.: ogf

$$-(19\,f(x) + 62)\,(81\,f(x)\,x^2 - 19\,f(x)\,x + f(x) + 10\,x - 1)$$

Sequence: A165324
Score: 6.60656
Type of gen. func.: ogf

$$\{a(n+2) - 19\,a(n+1) + 81\,a(n),\ a(0) = 1,\ a(1) = 9\}$$

Sequence: A165326
Score: 10.5232
Type of gen. func.: ogf

$$\{a(n + 2) + a(n + 1), a(0) = 1, a(1) = 1\}$$

Sequence: A165326
Score: 12.8419
Type of gen. func.: ogf

$$f(x) (f(x) x + f(x) - 2 x - 1)$$

Sequence: A165326
Score: 20.4776
Type of gen. func.: ogf

$$\frac{2 x + 1}{1 + x}$$

Sequence: A165326
Score: 28.8003
Type of gen. func.: revogf

$$- 1/4 + x/4 + \frac{(x^2 + 6 x + 1)^{1/2}}{4}$$

Sequence: A165326
Score: 61.4407
Type of gen. func.: lgdogf

$$\frac{1}{(1 + x) (2 x + 1)}$$

Sequence: A165329
Score: 10.336
Type of gen. func.: ogf

$$-(17 f(x) x - f(x) + x + 1)^2$$

Sequence: A165334
Score: 7.24896
Type of gen. func.: ogf

$$-\frac{3 x^{29} - 3 x^{28} + 3 x^{27} - 3 x^{26} + 6 x^{24} - 6 x^{23} + 3 x^{16} - 3 x^{15} - x - 2}{(x - 1)^2}$$

Sequence: A165341
Score: 9.19062
Type of gen. func.: ogf

$$-(18 f(x) x - f(x) + x + 1)^2$$

Sequence: A165348
Score: 9.29331
Type of gen. func.: ogf

$$-(19 f(x) x - f(x) + x + 1)^2$$

Sequence: A165351
Score: 14.4234
Type of gen. func.: ogf

$$\frac{3 x (x^2 + x + 1)}{(x - 1)^2 (1 + x)^2}$$

Sequence: A165351
Score: 20.6490
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 3 x^2 + 6 x + 1}{(x - 1) (1 + x) (x^2 + x + 1)}$$

Sequence: A165351
Score: 35.0649
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + 2 x + 1$$

Sequence: A165351
Score: 7.65066
Type of gen. func.: ogf

$$\{(n + 3) a(n + 1) + (-n - 1) a(n + 3), a(0) = 0, a(1) = 3, a(2) = 3\}$$

Sequence: A165351
Score: 8.71116
Type of gen. func.: ogf

$$-(f(x) - 3) (f(x) x^4 - 2 f(x) x^2 - 3 x^3 - 3 x^2 + f(x) - 3 x)$$

Sequence: A165355
Score: 13.6647
Type of gen. func.: ogf

$$\frac{x^3 + 5 x^2 + 2 x + 1}{(x - 1)^2 (1 + x)^2}$$

Sequence: A165355
Score: 15.5616
Type of gen. func.: lgdogf

$$-\frac{x^4 + 10 x^3 + 9 x^2 + 14 x + 2}{(x - 1) (1 + x) (x^3 + 5 x^2 + 2 x + 1)}$$

Sequence: A165355

Score: 8.301
Type of gen. func.: ogf

$$-(34 f(x) + 75) (f(x) x^4 - 2 f(x) x^2 - x^3 - 5 x^2 + f(x) - 2 x - 1)$$

Sequence: A165358
Score: 9.44734
Type of gen. func.: ogf

$$-(20 f(x) x - f(x) + x + 1)^2$$

Sequence: A165364
Score: 9.49868
Type of gen. func.: ogf

$$-(21 f(x) x - f(x) + x + 1)^2$$

Sequence: A165365
Score: 9.7554
Type of gen. func.: ogf

$$-(22 f(x) x - f(x) + x + 1)^2$$

Sequence: A165366
Score: 9.80675
Type of gen. func.: ogf

$$-(23 f(x) x - f(x) + x + 1)^2$$

Sequence: A165367
Score: 13.7936
Type of gen. func.: ogf

$$\frac{x^3 + 2 x^2 + 5 x + 1}{(x - 1)^2 (1 + x)^2}$$

Sequence: A165367
Score: 15.9968
Type of gen. func.: lgdogf

$$-\frac{x^4 + 4 x^3 + 18 x^2 + 8 x + 5}{(x - 1) (1 + x) (x^3 + 2 x^2 + 5 x + 1)}$$

Sequence: A165367
Score: 8.87709
Type of gen. func.: ogf

$$(2 f(x) - 9) (f(x) x^4 - 2 f(x) x^2 - x^3 - 2 x^2 + f(x) - 5 x - 1)$$

Sequence: A165368
Score: 9.90944
Type of gen. func.: ogf

$$-(24 f(x) x - f(x) + x + 1)^2$$

Sequence: A165369
Score: 10.0121
Type of gen. func.: ogf

$$-(25 f(x) x - f(x) + x + 1)^2$$

Sequence: A165372
Score: 14.8969
Type of gen. func.: ogf

$$\frac{33 x^2 + 22 x + 9}{(x - 1)^2}$$

Sequence: A165372
Score: 24.3641

Type of gen. func.: lgdogf

$$-\frac{8 (5 + 11 x)}{(x - 1) (33 x^2 + 22 x + 9)}$$

Sequence: A165372
Score: 7.80313
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 9, a(1) = 40, a(2) = 104\}$$

Sequence: A165372
Score: 8.62452
Type of gen. func.: ogf

$$(2 f(x) + 7) (f(x) x^2 - 2 f(x) x - 33 x^2 + f(x) - 22 x - 9)$$

Sequence: A165373
Score: 6.22802
Type of gen. func.: ogf

$$-\frac{68 x^5 - 171 x^4 + 204 x^3 + 254 x^2 + 120 x + 37}{(x - 1)^5}$$

Sequence: A165373
Score: 8.12114
Type of gen. func.: lgdogf

$$-\frac{169 x^4 - 276 x^3 + 1374 x^2 + 988 x + 305}{(x - 1) (68 x^5 - 171 x^4 + 204 x^3 + 254 x^2 + 120 x + 37)}$$

Sequence: A165374
Score: 4.02598
Type of gen. func.: ogf

8 7 6 5 4 3 2

$$- (128 x + 1344 x + 3104 x - 3008 x + 2932 x + 4620 x + 1609 x + 782 x$$

$$+ 105) / ((x - 1)^2 (2 x - 1)^3)$$

Sequence: A165378
Score: 12.1474
Type of gen. func.: lgdogf

$$\frac{3 x^4 - 12 x^3 + 29 x^2 - 60 x + 94}{(x - 1) (3 x^4 - 18 x^3 + 25 x^2 + 5 x - 33)}$$

Sequence: A165378
Score: 5.35396
Type of gen. func.: ogf

$$-(2497068 f(x) - 795718969)$$

$$(f(x) x^3 - 3 x^4 - 3 f(x) x^2 + 18 x^3 + 3 f(x) x - 25 x^2 - f(x) - 5 x + 33)$$

Sequence: A165378
Score: 9.90482
Type of gen. func.: ogf

$$\frac{3 x^4 - 18 x^3 + 25 x^2 + 5 x - 33}{(x - 1)^3}$$

Sequence: A165381
Score: 7.13014
Type of gen. func.: ogf

$$- \frac{x^6 + 13 x^5 + 58 x^4 + 249 x^3 + 268 x^2 + 174 x + 37}{(x - 1)^3}$$

Sequence: A165381
Score: 7.20493

Type of gen. func.: lgdogf

$$\frac{3 x^6 + 20 x^5 - 7 x^4 - 232 x^3 - 1015 x^2 - 884 x - 285}{(x - 1) (x^6 + 13 x^5 + 58 x^4 + 249 x^3 + 268 x^2 + 174 x + 37)}$$

Sequence: A165382
Score: 4.42620
Type of gen. func.: ogf

$$- (2 x^{10} - 58 x^9 + 218 x^8 + 2666 x^7 + 9321 x^6 + 18104 x^5 + 21137 x^4 + 14754 x^3 + 6097 x^2 + 1382 x + 105) / ((x - 1)^3 (1 + x)^3)$$

Sequence: A165386
Score: 3.37463
Type of gen. func.: ogf

$$- (4 x^{10} - 16 x^9 + 9 x^8 + 60 x^7 - 98 x^6 + 8 x^5 + 108 x^4 - 88 x^3 + 14 x^2 + 4 x + 3) / ((2 x - 1)^3 (x - 1)^6)$$

Sequence: A165392
Score: 8.72766
Type of gen. func.: ogf

$$\frac{x^6 - 5 x^5 + 4 x^4 + 8 x^3 - 9 x^2 - 6 x - 1}{(x - 1)^3}$$

Sequence: A165392
Score: 9.48044
Type of gen. func.: lgdogf

$$\frac{3 x^6 - 16 x^5 + 29 x^4 - 16 x^3 - 15 x^2 + 30 x + 9}{(x - 1) (x^6 - 5 x^5 + 4 x^4 + 8 x^3 - 9 x^2 - 6 x - 1)}$$

Sequence: A165393
Score: 4.90263
Type of gen. func.: ogf

$$(x^{10} - 2 x^9 + 5 x^8 - 12 x^7 + 3 x^6 - 12 x^5 + 19 x^4 - 6 x^3 + 41 x^2 + 22 x + 3) / (x - 1)^2$$

Sequence: A165394
Score: 14.3074
Type of gen. func.: lgdogf

$$- \frac{x^4 + 4 x^3 + 6 x^2 + 20 x + 9}{(x - 1) (1 + x) (x^3 - x^2 + 3 x + 1)}$$

Sequence: A165394
Score: 8.88203
Type of gen. func.: ogf

$$- \frac{(1 + x) (x^3 - x^2 + 3 x + 1)}{(x - 1)^5}$$

Sequence: A165395
Score: 3.79862
Type of gen. func.: ogf

$$(8 x^9 - 88 x^8 + 216 x^7 - 321 x^6 + 270 x^5 - 169 x^4 + 76 x^3 - 11 x^2 - 10 x - 3) / ((2 x - 1)^3 (x - 1)^4)$$

Sequence: A165402
Score: 11.5615
Type of gen. func.: ogf

$$\frac{10 x + 1}{(10 x - 1) (x - 1)}$$

Sequence: A165402
Score: 12.6370
Type of gen. func.: lgdogf

$$- \frac{100 x^{2} + 20 x - 21}{(x - 1) (10 x + 1) (10 x - 1)}$$

Sequence: A165402
Score: 12.6370
Type of gen. func.: revogf

$$- \frac{-1 - 11 x + (81 x^{2} + 62 x + 1)^{1/2}}{20 (x - 1)}$$

Sequence: A165402
Score: 6.03208
Type of gen. func.: ogf

$$(211 f(x) + 230) (10 f(x) x^{2} - 11 f(x) x + f(x) - 10 x - 1)$$

Sequence: A165402
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 21\}$$

Sequence: A165405
Score: 14.1355
Type of gen. func.: ogf

$$- \frac{4 x + 1}{(3 x + 1) (2 x - 1)}$$

Sequence: A165405
Score: 16.4792
Type of gen. func.: lgdogf

$$- \frac{3 (8 x^2 + 4 x + 1)}{(2 x - 1) (3 x + 1) (4 x + 1)}$$

Sequence: A165405
Score: 16.4792
Type of gen. func.: revogf

$$\frac{-1 + x + (25 x^2 + 14 x + 1)^{1/2}}{4 (3 x + 2)}$$

Sequence: A165405
Score: 7.14715
Type of gen. func.: ogf

$$-(7 f(x) + 2) (6 f(x) x^2 - f(x) x - f(x) + 4 x + 1)$$

Sequence: A165405
Score: 7.75728
Type of gen. func.: ogf

$$\{a(n + 2) + a(n + 1) - 6 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A165407
Score: 13.0383
Type of gen. func.: revogf

$$\frac{-1 - 2 x - x^2 + (5 x^3 + 3 x^2 + 3 x + 1)^{1/2} (1 + x)^{1/2}}{2 x^2}$$

Sequence: A165407
Score: 8.52167
Type of gen. func.: ogf

$$-f(x)^2 x^3 - f(x)^2 x^2 + f(x)^2 x - 2 f(x) x + f(x) - 1$$

Sequence: A165409
Score: 10.0578
Type of gen. func.: revogf

$$\frac{-1 - 4 x - 4 x^2 + (2 x + 1)^{1/2} (4 x + 1)^{1/2} (4 x^2 + 2 x + 1)^{1/2}}{4 x^2}$$

Sequence: A165409
Score: 7.55424
Type of gen. func.: ogf

$$-2 f(x)^2 x^3 - 4 f(x)^2 x^2 + 2 f(x)^2 x - 4 f(x) x + f(x) - 1$$

Sequence: A165431
Score: 10.7245
Type of gen. func.: ogf

$$8 f(x)^2 x^3 - 4 f(x)^2 x + f(x)^2 - 1$$

Sequence: A165431
Score: 18.9275
Type of gen. func.: lgdogf

$$- \frac{2 (6 x^2 - 1)}{(2 x - 1) (4 x^2 + 2 x - 1)}$$

Sequence: A165431
Score: 4.09483
Type of gen. func.: ogf

{(-4 - n) a(n + 4) + (14 + 4 n) a(n + 3) + (-20 - 8 n) a(n + 1), a(0) = 1,

a(1) = 2, a(2) = 6, a(3) = 16}

Sequence: A165433
Score: 3.97912
Type of gen. func.: ogf

$$\{(5 + 2 n) a(n + 1) + (-2 n - 5) a(n + 2) + 2 a(n + 4) - 3 a(n + 3), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 3\}$$

Sequence: A165443
Score: 3.83764
Type of gen. func.: ogf

$$-(34277425 f(x) - 3795984) (1679616 f(x) x^2 - 6817 f(x) x + f(x) + 1296 x - 1)$$

Sequence: A165443
Score: 6.69190
Type of gen. func.: lgdogf

$$-\frac{2176782336 x^2 - 3359232 x + 5521}{(256 x - 1) (1296 x - 1) (6561 x - 1)}$$

Sequence: A165443
Score: 7.13803
Type of gen. func.: revogf

$$-\frac{-1 - 6817 x + (39753025 x^2 + 8450 x + 1)^{1/2}}{2592 (1 + 1296 x)}$$

Sequence: A165445
Score: 10.1148
Type of gen. func.: ogf

$$-(26 f(x) x - f(x) + x + 1)^2$$

Sequence: A165453
Score: 17.3087

Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-2 x^2 - x - 2}{x^2 + 1}$$

Sequence: A165456
Score: 10.2688
Type of gen. func.: ogf

$$-(27 f(x) x - f(x) + x + 1)^2$$

Sequence: A165457
Score: 4.48218
Type of gen. func.: ogf

$$\{(4 n^2 + 22 n + 28) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 10\}$$

Sequence: A165458
Score: 12.9195
Type of gen. func.: ogf

$$- \frac{5 x + 1}{(4 x + 1) (-1 + 3 x)}$$

Sequence: A165458
Score: 14.8051
Type of gen. func.: lgdogf

$$- \frac{4 (15 x^2 + 6 x + 1)}{(5 x + 1) (-1 + 3 x) (4 x + 1)}$$

Sequence: A165458
Score: 14.8051
Type of gen. func.: revogf

$$-1 + x + (49 x^2 + 18 x + 1)^{1/2}$$

$$\overline{}$$
$$2\,(12\,x + 5)$$

Sequence: A165458
Score: 7.16018
Type of gen. func.: ogf

$$\{a(n + 2) + a(n + 1) - 12\,a(n),\ a(0) = 1,\ a(1) = 4\}$$

Sequence: A165458
Score: 8.66177
Type of gen. func.: ogf

$$-f(x)\,(12\,f(x)\,x^2 - f(x)\,x - f(x) + 5\,x + 1)$$

Sequence: A165470
Score: 12.1626
Type of gen. func.: ogf

$$-\frac{6\,x + 1}{(5\,x + 1)\,(-1 + 4\,x)}$$

Sequence: A165470
Score: 13.7212
Type of gen. func.: lgdogf

$$-\frac{5\,(24\,x^2 + 8\,x + 1)}{(5\,x + 1)\,(-1 + 4\,x)\,(6\,x + 1)}$$

Sequence: A165470
Score: 13.7212
Type of gen. func.: revogf

$$\frac{-1 + x + (81\,x^2 + 22\,x + 1)^{1/2}}{4\,(3 + 10\,x)}$$

Sequence: A165470
Score: 6.74070
Type of gen. func.: ogf

$$\{a(n + 2) + a(n + 1) - 20\ a(n),\ a(0) = 1,\ a(1) = 5\}$$

Sequence: A165470
Score: 8.17099
Type of gen. func.: ogf

$$-(29\ f(x) - 4)\ (20\ f(x)\ x^2 - f(x)\ x - f(x) + 6\ x + 1)$$

Sequence: A165478
Score: 10.5254
Type of gen. func.: ogf

$$\frac{x\ (x + 131070)}{(1 + x)\ (x - 1)^2}$$

Sequence: A165478
Score: 13.6742
Type of gen. func.: lgdogf

$$-\frac{2\ x^2 + 393211\ x + 131071}{(x + 131070)\ (x - 1)\ (1 + x)}$$

Sequence: A165478
Score: 4.05327
Type of gen. func.: ogf

$$-(590255278906943209501\ f(x) + 77365054538475919182135241)$$
$$(f(x)\ x^3 - f(x)\ x^2 - f(x)\ x - x^2 + f(x) - 131070\ x)$$

Sequence: A165478
Score: 5.39319
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n),\ a(0) = 0,\ a(1) = 131070,\ a(2) = 131071$$

}

Sequence: A165479
Score: 3.82728
Type of gen. func.: ogf

$$-(10925566125076740941 f(x) + 9710043046177910004593001) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - 87380 x - 43690)$$

Sequence: A165479
Score: 5.04230
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 43690, a(1) = 131070, a(2) = 174761\}$$

Sequence: A165479
Score: 9.20768
Type of gen. func.: ogf

$$\frac{x^2 + 87380 x + 43690}{(1 + x) (x - 1)^2}$$

Sequence: A165479
Score: 9.57380
Type of gen. func.: lgdogf

$$-\frac{x^3 + 174761 x^2 + 218452 x + 131070}{(x - 1) (1 + x) (x^2 + 87380 x + 43690)}$$

Sequence: A165491
Score: 13.3049
Type of gen. func.: ogf

$$-\frac{7 x + 1}{}$$

(6 x + 1) (5 x - 1)

Sequence: A165491
Score: 14.5720
Type of gen. func.: lgdogf

$$-\frac{6\,(35\,x^2 + 10\,x + 1)}{(5\,x - 1)\,(7\,x + 1)\,(6\,x + 1)}$$

Sequence: A165491
Score: 14.5720
Type of gen. func.: revogf

$$\frac{-1 + x + (121\,x^2 + 26\,x + 1)^{1/2}}{2\,(7 + 30\,x)}$$

Sequence: A165491
Score: 6.72556
Type of gen. func.: ogf

$$-(23\,f(x) - 5)\,(30\,f(x)\,x^2 - f(x)\,x - f(x) + 7\,x + 1)$$

Sequence: A165491
Score: 7.37381
Type of gen. func.: ogf

$$\{a(n + 2) + a(n + 1) - 30\,a(n),\ a(0) = 1,\ a(1) = 6\}$$

Sequence: A165505
Score: 13.1047
Type of gen. func.: ogf

$$-\frac{8\,x + 1}{(7\,x + 1)\,(6\,x - 1)}$$

Sequence: A165505

Score: 14.2078
Type of gen. func.: lgdogf

$$-\frac{7\,(48\,x^2 + 12\,x + 1)}{(6\,x - 1)\,(7\,x + 1)\,(8\,x + 1)}$$

Sequence: A165505
Score: 14.2078
Type of gen. func.: revogf

$$\frac{-1 + x + (169\,x^2 + 30\,x + 1)^{1/2}}{4\,(4 + 21\,x)}$$

Sequence: A165505
Score: 6.55234
Type of gen. func.: ogf

$$-(67\,f(x) - 18)\,(42\,f(x)\,x^2 - f(x)\,x - f(x) + 8\,x + 1)$$

Sequence: A165505
Score: 7.26283
Type of gen. func.: ogf

$$\{a(n + 2) + a(n + 1) - 42\,a(n),\ a(0) = 1,\ a(1) = 7\}$$

Sequence: A165506
Score: 12.6993
Type of gen. func.: ogf

$$-\frac{9\,x + 1}{(8\,x + 1)\,(7\,x - 1)}$$

Sequence: A165506
Score: 13.0042
Type of gen. func.: revogf

$$\frac{-1 + x + ((9\,x + 1)\,(25\,x + 1))^{1/2}}{}$$

$$2 (9 + 56 x)$$

Sequence: A165506
Score: 13.6234
Type of gen. func.: lgdogf

$$-\frac{8 (63 x^2 + 14 x + 1)}{(8 x + 1) (9 x + 1) (7 x - 1)}$$

Sequence: A165506
Score: 6.41943
Type of gen. func.: ogf

$$-(23 f(x) - 7) (56 f(x) x^2 - f(x) x - f(x) + 9 x + 1)$$

Sequence: A165506
Score: 7.03816
Type of gen. func.: ogf

$$\{a(n + 2) + a(n + 1) - 56 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A165510
Score: 13.0665
Type of gen. func.: ogf

$$-\frac{10 x + 1}{(9 x + 1) (8 x - 1)}$$

Sequence: A165510
Score: 14.0033
Type of gen. func.: lgdogf

$$-\frac{9 (80 x^2 + 16 x + 1)}{(10 x + 1) (9 x + 1) (8 x - 1)}$$

Sequence: A165510

Score: 14.3367
Type of gen. func.: revogf

$$\frac{-1 + x + (289 x^2 + 38 x + 1)^{1/2}}{4 (5 + 36 x)}$$

Sequence: A165510
Score: 6.53325
Type of gen. func.: ogf

$$-(121 f(x) - 40) (72 f(x) x^2 - f(x) x - f(x) + 10 x + 1)$$

Sequence: A165510
Score: 7.39910
Type of gen. func.: ogf

$$\{a(n + 2) + a(n + 1) - 72 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A165511
Score: 12.2163
Type of gen. func.: ogf

$$- \frac{11 x + 1}{(10 x + 1) (9 x - 1)}$$

Sequence: A165511
Score: 12.4975
Type of gen. func.: lgdogf

$$- \frac{10 (99 x^2 + 18 x + 1)}{(9 x - 1) (11 x + 1) (10 x + 1)}$$

Sequence: A165511
Score: 13.0788
Type of gen. func.: revogf

$$\frac{-1 + x + (361 x^2 + 42 x + 1)^{1/2}}{}$$

$$2 (11 + 90 x)$$

Sequence: A165511
Score: 6.17382
Type of gen. func.: ogf

$$-(77 f(x) - 27) (90 f(x) x^2 - f(x) x - f(x) + 11 x + 1)$$

Sequence: A165511
Score: 6.83531
Type of gen. func.: ogf

$$\{a(n + 2) + a(n + 1) - 90 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A165512
Score: 10.3202
Type of gen. func.: ogf

$$-(28 f(x) x - f(x) + x + 1)^2$$

Sequence: A165515
Score: 10.4229
Type of gen. func.: ogf

$$-(29 f(x) x - f(x) + x + 1)^2$$

Sequence: A165516
Score: 9.65516
Type of gen. func.: ogf

$$- \frac{x^4 - 95 x^2 + 60 x + 4}{(x - 1) (x^2 - 10 x + 1) (x^2 + 10 x + 1)}$$

Sequence: A165517
Score: 6.93297
Type of gen. func.: ogf

$$\frac{x (x^3 + x^2 - 9 x - 5)}{(x - 1) (x^4 - 10 x^2 + 1)}$$

Sequence: A165517
Score: 7.39576
Type of gen. func.: lgdogf

$$- \frac{2 (x^7 + x^6 - 19 x^5 - 9 x^4 + 99 x^3 + 31 x^2 - 49 x - 7)}{(x - 1) (x^3 + x^2 - 9 x - 5) (x^4 - 10 x^2 + 1)}$$

Sequence: A165518
Score: 12.3292
Type of gen. func.: ogf

$$- \frac{4 (x^2 - 10 x + 1)}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A165518
Score: 12.7461
Type of gen. func.: lgdogf

$$- \frac{x^4 - 20 x^3 + 318 x^2 - 68 x + 25}{(x - 1) (x^2 - 10 x + 1) (x^2 - 34 x + 1)}$$

Sequence: A165518
Score: 6.4678
Type of gen. func.: ogf

$(161703 f(x) - 7256)$

$$(f(x) x^3 - 35 f(x) x^2 + 35 f(x) x + 4 x^2 - f(x) - 40 x + 4)$$

Sequence: A165518
Score: 6.63085
Type of gen. func.: ogf

$\{-a(n + 3) + 35 a(n + 2) - 35 a(n + 1) + a(n), a(0) = 4, a(1) = 100, a(2) = 3364\}$

Sequence: A165521
Score: 5.01867
Type of gen. func.: ogf

$$-\frac{(x^3 - 2 x^2 + 3 x - 1) (x - 1)^3}{x^7 - 4 x^6 + 12 x^5 - 23 x^4 + 28 x^3 - 19 x^2 + 7 x - 1}$$

Sequence: A165526
Score: 3.71585
Type of gen. func.: ogf

$$(4 x^{10} - 127 x^9 + 692 x^8 - 1657 x^7 + 2305 x^6 - 2045 x^5 + 1196 x^4 - 461 x^3 + 113 x^2 - 16 x + 1) / ((x^2 - 3 x + 1) (x - 1)^2 (2 x - 1)^6)$$

Sequence: A165527
Score: 4.10149
Type of gen. func.: ogf

$$-\frac{3 x^8 - 23 x^7 + 87 x^6 - 165 x^5 + 186 x^4 - 127 x^3 + 51 x^2 - 11 x + 1}{(-1 + 3 x) (x^2 - 3 x + 1)^2 (x - 1)^4}$$

Sequence: A165528
Score: 5.05275
Type of gen. func.: ogf

$$\frac{6 x^7 - 58 x^6 + 168 x^5 - 218 x^4 + 152 x^3 - 59 x^2 + 12 x - 1}{(x - 1) (2 x^2 - 4 x + 1) (2 x - 1)^4}$$

Sequence: A165529
Score: 4.19961
Type of gen. func.: ogf

$$-(2x-1)(14x^8 - 82x^7 + 260x^6 - 447x^5 + 438x^4 - 249x^3 + 81x^2 - 14x + 1) \Big/ \left((-1+3x)^2 (x-1)^2 (x^2 - 3x + 1)^3\right)$$

Sequence: A165530
Score: 3.44985
Type of gen. func.: ogf

$$\{-2\,a(n+1)\,n + (9n-1)\,a(n+2) + (-6n+4)\,a(n+3) + (n-1)\,a(n+4),$$
$$a(0) = 1,\ a(1) = 1,\ a(2) = 2,\ a(3) = 6,\ a(4) = 22,\ a(5) = 86\}$$

Sequence: A165530
Score: 5.42844
Type of gen. func.: ogf

$$-f(x)\,(4 f(x) x^4 - 20 f(x) x^3 + 21 f(x) x^2 + 9x^3 - 8 f(x) x - 15x^2 + f(x) + 7x - 1)$$

Sequence: A165530
Score: 8.23055
Type of gen. func.: lgdogf

$$-\frac{2(4x^5 - 20x^4 + 42x^3 - 27x^2 + 8x - 1)}{(2x-1)(x^2 - 4x + 1)(4x^3 - 11x^2 + 6x - 1)}$$

Sequence: A165530
Score: 9.22835
Type of gen. func.: ogf

$$-\frac{(x-1)(-1+3x)^2}{}$$

$$(x^2 - 4 x + 1) (2 x - 1)^2$$

Sequence: A165546
Score: 5.31456
Type of gen. func.: ogf

$$-x^4 f(x)^3 - 5 f(x)^2 x^3 + 11 f(x)^2 x^2 - 3 f(x) x^2 - 10 f(x) x + f(x) + 9 x - 1$$

Sequence: A165547
Score: 10.4742
Type of gen. func.: ogf

$$-(30 f(x) x - f(x) + x + 1)^2$$

Sequence: A165548
Score: 10.4742
Type of gen. func.: ogf

$$-(31 f(x) x - f(x) + x + 1)^2$$

Sequence: A165553
Score: 12.6609
Type of gen. func.: ogf

$$- \frac{5 x + 1}{(3 x + 1) (x - 1)}$$

Sequence: A165553
Score: 14.1784
Type of gen. func.: revogf

$$\frac{-1 + 2 x + (16 x^2 + 16 x + 1)^{1/2}}{2 (5 + 3 x)}$$

Sequence: A165553

Score: 15.6709
Type of gen. func.: lgdogf

$$-\frac{3\,(5\,x^2+2\,x+1)}{(x-1)\,(5\,x+1)\,(3\,x+1)}$$

Sequence: A165553
Score: 6.33046
Type of gen. func.: ogf

$$-(4\,f(x)-11)\,(3\,f(x)\,x^2-2\,f(x)\,x-f(x)+5\,x+1)$$

Sequence: A165553
Score: 6.94807
Type of gen. func.: ogf

$$\{-a(n+2)-2\,a(n+1)+3\,a(n),\ a(0)=1,\ a(1)=3\}$$

Sequence: A165563
Score: 13.3455
Type of gen. func.: lgdogf

$$-\frac{x^4-8\,x^3-66\,x^2-40\,x-7}{(x-1)\,(x^4-6\,x^3-16\,x^2-2\,x-1)}$$

Sequence: A165563
Score: 8.21223
Type of gen. func.: ogf

$$\frac{x^4-6\,x^3-16\,x^2-2\,x-1}{(x-1)^5}$$

Sequence: A165568
Score: 14.2536
Type of gen. func.: lgdogf

$$-\frac{x^4 + 8 x^3 + 54 x^2 + 56 x + 1}{(x - 1) (x^4 + 2 x^3 + 16 x^2 + 6 x - 1)}$$

Sequence: A165568
Score: 8.57594
Type of gen. func.: ogf

$$-\frac{x^4 + 2 x^3 + 16 x^2 + 6 x - 1}{(x - 1)^5}$$

Sequence: A165618
Score: 4.34420
Type of gen. func.: ogf

$$\frac{x (x - 2) (x^2 - 2 x + 2) (x^4 - 4 x^3 + 6 x^2 - 4 x + 2)}{(x - 1)^9}$$

Sequence: A165618
Score: 4.74433
Type of gen. func.: ogf

{(n + 10) a(n + 1) + (-2 n - 13) a(n + 2) + (n + 3) a(n + 3), a(0) = 0,

a(1) = 8, a(2) = 44}

Sequence: A165618
Score: 6.83496
Type of gen. func.: lgdogf

$$-\frac{2 x^7 - 17 x^6 + 64 x^5 - 140 x^4 + 196 x^3 - 182 x^2 + 112 x - 44}{(x - 1) (x - 2) (x^2 - 2 x + 2) (x^4 - 4 x^3 + 6 x^2 - 4 x + 2)}$$

Sequence: A165622
Score: 15.5222
Type of gen. func.: ogf

$$-\frac{7 x + 1}{(4 x + 1) (x - 1)}$$

Sequence: A165622
Score: 7.84827
Type of gen. func.: ogf

$$-(2 f(x) - 7) (4 f(x) x^2 - 3 f(x) x - f(x) + 7 x + 1)$$

Sequence: A165622
Score: 8.51826
Type of gen. func.: ogf

$$\{-a(n + 2) - 3 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A165625
Score: 12.1104
Type of gen. func.: ogf

$$-\frac{9 x + 1}{(5 x + 1) (x - 1)}$$

Sequence: A165625
Score: 13.4104
Type of gen. func.: revogf

$$\frac{-1 + 4 x + (36 x^2 + 28 x + 1)^{1/2}}{2 (9 + 5 x)}$$

Sequence: A165625
Score: 14.8220
Type of gen. func.: lgdogf

$$-\frac{5 (9 x^2 + 2 x + 1)}{(x - 1) (5 x + 1) (9 x + 1)}$$

Sequence: A165625
Score: 5.98868
Type of gen. func.: ogf

$$-(14 f(x) + 11) (5 f(x) x^{2} - 4 f(x) x - f(x) + 9 x + 1)$$

Sequence: A165625
Score: 6.64596
Type of gen. func.: ogf

$$\{-a(n + 2) - 4 a(n + 1) + 5 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A165628
Score: 6.87213
Type of gen. func.: ogf

$$(f(x) - 1)^{2} (-x^{4} + f(x) - 1)$$

Sequence: A165638
Score: 11.5922
Type of gen. func.: ogf

$$-\frac{11 x + 1}{(6 x + 1) (x - 1)}$$

Sequence: A165638
Score: 12.7493
Type of gen. func.: revogf

$$\frac{-1 + 5 x + (49 x^{2} + 34 x + 1)^{1/2}}{2 (11 + 6 x)}$$

Sequence: A165638
Score: 13.7055
Type of gen. func.: lgdogf

2

$$-\frac{6 (11 x + 2 x + 1)}{(x - 1) (11 x + 1) (6 x + 1)}$$

Sequence: A165638
Score: 5.85978
Type of gen. func.: ogf

$$-(11 f(x) + 7) (6 f(x) x^2 - 5 f(x) x - f(x) + 11 x + 1)$$

Sequence: A165638
Score: 6.50293
Type of gen. func.: ogf

$$\{-a(n + 2) - 5 a(n + 1) + 6 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A165639
Score: 12.5039
Type of gen. func.: ogf

$$-\frac{13 x + 1}{(7 x + 1) (x - 1)}$$

Sequence: A165639
Score: 13.7246
Type of gen. func.: revogf

$$\frac{-1 + 6 x + (64 x^2 + 40 x + 1)^{1/2}}{2 (13 + 7 x)}$$

Sequence: A165639
Score: 14.7540
Type of gen. func.: lgdogf

$$-\frac{7 (13 x^2 + 2 x + 1)}{(x - 1) (7 x + 1) (13 x + 1)}$$

Sequence: A165639
Score: 6.25196
Type of gen. func.: ogf

$$-(32 f(x) + 17) (7 f(x) x^2 - 6 f(x) x - f(x) + 13 x + 1)$$

Sequence: A165639
Score: 7.01439
Type of gen. func.: ogf

$$\{-a(n + 2) - 6 a(n + 1) + 7 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A165640
Score: 12.3909
Type of gen. func.: ogf

$$-\frac{x^7 - x^4 - x^2 - 1}{(x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A165640
Score: 7.64660
Type of gen. func.: lgdogf

$$- x (x^{12} + x^{11} + x^{10} - x^9 - x^8 - 3 x^7 - 2 x^6 - 10 x^5 - 15 x^4 - 15 x^3 - 9 x^2 - 5 x - 2) / ((x - 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^7 - x^4 - x^2 - 1))$$

Sequence: A165645
Score: 10.8336
Type of gen. func.: ogf

$$-(32 f(x) x - f(x) + x + 1)^2$$

Sequence: A165649

Score: 10.8336
Type of gen. func.: ogf

$$-(33 f(x) x - f(x) + x + 1)^2$$

Sequence: A165650
Score: 10.8336
Type of gen. func.: ogf

$$-(34 f(x) x - f(x) + x + 1)^2$$

Sequence: A165651
Score: 10.9363
Type of gen. func.: ogf

$$-(35 f(x) x - f(x) + x + 1)^2$$

Sequence: A165654
Score: 9.52832
Type of gen. func.: ogf

$$-(36 f(x) x - f(x) + x + 1)^2$$

Sequence: A165662
Score: 12.6687
Type of gen. func.: ogf

$$-\frac{2 (4 x^4 + 3 x^3 + 4 x^2 + 2 x + 2)}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A165662
Score: 7.82006
Type of gen. func.: lgdogf

```
     8      7       6      5       4       3      2
  4 x  + 6 x  + 12 x  + 8 x  + 10 x  + 16 x  + 9 x  + 8 x + 2
- -------------------------------------------------------------
              4    3    2              4      3      2
```

$$(x - 1) (x + x + x + x + 1) (4 x + 3 x + 4 x + 2 x + 2)$$

Sequence: A165664
Score: 12.3431
Type of gen. func.: ogf

$$- \frac{8 x^6 + 7 x^5 + 8 x^4 + 2 x^3 + 2}{(x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A165664
Score: 8.03866
Type of gen. func.: lgdogf

$$- \frac{x^2 (8 x^{10} + 14 x^9 + 24 x^8 + 8 x^7 + 14 x^4 + 48 x^3 + 35 x^2 + 32 x + 6)}{(x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (8 x^6 + 7 x^5 + 8 x^4 + 2 x^3 + 2)}$$

Sequence: A165665
Score: 13.9355
Type of gen. func.: ogf

$$\frac{2 x + 1}{(-1 + 4 x) (2 x - 1)}$$

Sequence: A165665
Score: 14.2920
Type of gen. func.: revogf

$$- \frac{-1 - 6 x + (4 x^2 + 20 x + 1)^{1/2}}{4 (-1 + 4 x)}$$

Sequence: A165665
Score: 14.9892
Type of gen. func.: lgdogf

$$- \frac{8 (2 x^2 + 2 x - 1)}{}$$

$$(2x+1)(2x-1)(-1+4x)$$

Sequence: A165665
Score: 7.20803
Type of gen. func.: ogf

$$(17 f(x) + 47)(8 f(x) x^{2} - 6 f(x) x + f(x) - 2x - 1)$$

Sequence: A165665
Score: 7.64754
Type of gen. func.: ogf

$$\{-a(n+2) + 6 a(n+1) - 8 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A165669
Score: 12.2382
Type of gen. func.: ogf

$$-\frac{4x^{6} + 8x^{5} + 5x^{4} + 5x^{3} + 8x^{2} + 4x + 2}{(x-1)(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A165676
Score: 13.6117
Type of gen. func.: lgdogf

$$-\frac{(3x - 11)(x^{2} - 2x + 7)}{(x-1)(3x^{3} - 13x^{2} + 23x - 25)}$$

Sequence: A165676
Score: 3.58089
Type of gen. func.: ogf

$$\{(-37 n^{2} - 284 n - 420) a(n+1) + (-22 n^{2} - 374 n - 891) a(n+2)$$

$$+ (59 n^{2} + 370 n + 579) a(n+3), a(0) = 50, a(1) = 154, a(2) = 342\}$$

Sequence: A165676
Score: 4.69387
Type of gen. func.: ogf

$$(7960 f(x) + 271559) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 6 x^3 - 4 f(x) x - 26 x^2 + f(x) + 46 x - 50)$$

Sequence: A165676
Score: 8.68366
Type of gen. func.: ogf

$$- \frac{2 (3 x^3 - 13 x^2 + 23 x - 25)}{(x - 1)^4}$$

Sequence: A165677
Score: 6.21584
Type of gen. func.: ogf

$$- \frac{2 (12 x^4 - 63 x^3 + 137 x^2 - 163 x + 137)}{(x - 1)^5}$$

Sequence: A165677
Score: 8.79331
Type of gen. func.: lgdogf

$$- \frac{6 (2 x^4 - 13 x^3 + 37 x^2 - 63 x + 87)}{(x - 1) (12 x^4 - 63 x^3 + 137 x^2 - 163 x + 137)}$$

Sequence: A165678
Score: 5.00435
Type of gen. func.: ogf

$$- \frac{12 (10 x^5 - 62 x^4 + 163 x^3 - 237 x^2 + 213 x - 147)}{6}$$

$$(x - 1)$$

Sequence: A165678
Score: 6.89760
Type of gen. func.: lgdogf

$$-\frac{10 x^5 - 74 x^4 + 241 x^3 - 459 x^2 + 591 x - 669}{(x - 1) (10 x^5 - 62 x^4 + 163 x^3 - 237 x^2 + 213 x - 147)}$$

Sequence: A165679
Score: 3.25287
Type of gen. func.: ogf

$$\{(-n^2 - 18 n - 81) a(n + 1) + (2 n^2 + 24 n + 48) a(n + 2) + (-n^2 - 6 n - 9) a(n + 3), a(0) = 13068, a(1) = 69264, a(2) = 241128\}$$

Sequence: A165679
Score: 4.03441
Type of gen. func.: ogf

$$-\frac{12 (60 x^6 - 430 x^5 + 1334 x^4 - 2341 x^3 + 2559 x^2 - 1851 x + 1089)}{(x - 1)^7}$$

Sequence: A165679
Score: 5.11710
Type of gen. func.: lgdogf

$$-\frac{4 (15 x^6 - 125 x^5 + 463 x^4 - 1007 x^3 + 1443 x^2 - 1497 x + 1443)}{(x - 1) (60 x^6 - 430 x^5 + 1334 x^4 - 2341 x^3 + 2559 x^2 - 1851 x + 1089)}$$

Sequence: A165684
Score: 6.02918
Type of gen. func.: ogf

$$-\frac{x^4 (x^6 - x - 1)}{(x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1) (1 + x)^2 (x - 1)^4}$$

Sequence: A165686
Score: 5.62601
Type of gen. func.: ogf

$$-\frac{x^9 (x^7 + x^6 - x^2 - x - 1)}{(x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1) (1 + x)^2 (x - 1)^4}$$

Sequence: A165687
Score: 9.52832
Type of gen. func.: ogf

$$-(37 f(x) x - f(x) + x + 1)^2$$

Sequence: A165688
Score: 9.62862
Type of gen. func.: ogf

$$-(38 f(x) x - f(x) + x + 1)^2$$

Sequence: A165690
Score: 9.67877
Type of gen. func.: ogf

$$-(39 f(x) x - f(x) + x + 1)^2$$

Sequence: A165692
Score: 9.77907
Type of gen. func.: ogf

$$-(40 f(x) x - f(x) + x + 1)^2$$

Sequence: A165693
Score: 9.77907
Type of gen. func.: ogf

$$-(41 f(x) x - f(x) + x + 1)^2$$

Sequence: A165694
Score: 9.82922
Type of gen. func.: ogf

$$-(42 f(x) x - f(x) + x + 1)^2$$

Sequence: A165695
Score: 9.87937
Type of gen. func.: ogf

$$-(43 f(x) x - f(x) + x + 1)^2$$

Sequence: A165699
Score: 9.97967
Type of gen. func.: ogf

$$-(44 f(x) x - f(x) + x + 1)^2$$

Sequence: A165702
Score: 9.97967
Type of gen. func.: ogf

$$-(45 f(x) x - f(x) + x + 1)^2$$

Sequence: A165703
Score: 9.97967
Type of gen. func.: ogf

$$-(46 f(x) x - f(x) + x + 1)^2$$

Sequence: A165708
Score: 10.1803
Type of gen. func.: ogf

$$-(47 f(x) x - f(x) + x + 1)^2$$

Sequence: A165709
Score: 10.1803
Type of gen. func.: ogf

$$-(48 f(x) x - f(x) + x + 1)^2$$

Sequence: A165716
Score: 6.71375
Type of gen. func.: lgdogf

$$-\frac{2 x (2 x^7 - 4 x^6 - 4 x^5 + 7 x^4 + 26 x^3 - 22 x^2 + 8 x - 5)}{(2 x^4 - 2 x^3 + x^2 + 2 x - 1) (2 x^5 + 11 x^4 - 4 x^3 + 6 x^2 + 2 x - 1)}$$

Sequence: A165716
Score: 7.81885
Type of gen. func.: ogf

$$\frac{2 x^4 - 2 x^3 + x^2 + 2 x - 1}{2 x^5 + 11 x^4 - 4 x^3 + 6 x^2 + 2 x - 1}$$

Sequence: A165717
Score: 10.8216
Type of gen. func.: ogf

$$\frac{x^3 - 3 x - 6}{(1 + x)^2 (x - 1)^3}$$

Sequence: A165717
Score: 16.0316
Type of gen. func.: lgdogf

$$-\frac{(-3+x)\,(2x^3+7x^2+12x+3)}{(x-1)\,(1+x)\,(x^3-3x-6)}$$

Sequence: A165717
Score: 4.20838
Type of gen. func.: ogf

$\{(-n-6)\,a(n+1)+(n+6)\,a(n+2)+(n+4)\,a(n+3)+(-4-n)\,a(n+4),$

$a(0)=6,\ a(1)=9,\ a(2)=21,\ a(3)=26\}$

Sequence: A165718
Score: 14.5313
Type of gen. func.: lgdogf

$$-\frac{2x^4+4x^3-4x^2-15x-5}{(x-1)\,(1+x)\,(x^3+x^2-2x-3)}$$

Sequence: A165718
Score: 9.76127
Type of gen. func.: ogf

$$\frac{x^3+x^2-2x-3}{(1+x)^2\,(x-1)^3}$$

Sequence: A165719
Score: 10.4645
Type of gen. func.: ogf

$$\frac{x^3-3x-14}{(1+x)^2\,(x-1)^3}$$

Sequence: A165719
Score: 15.4006
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + x^3 - 9 x^2 - 73 x - 17}{(x - 1) (1 + x) (x^3 - 3 x - 14)}$$

Sequence: A165719
Score: 4.08116
Type of gen. func.: ogf

{(-n - 6) a(n + 1) + (n + 6) a(n + 2) + (n + 4) a(n + 3) + (-4 - n) a(n + 4),

a(0) = 14, a(1) = 17, a(2) = 45, a(3) = 50}

Sequence: A165720
Score: 13.8970
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 7 x^3 - 3 x^2 - 28 x - 8}{(x - 1) (1 + x) (x^3 + 2 x^2 - 2 x - 6)}$$

Sequence: A165720
Score: 9.66767
Type of gen. func.: ogf

$$\frac{x^3 + 2 x^2 - 2 x - 6}{(1 + x)^2 (x - 1)^3}$$

Sequence: A165721
Score: 10.4659
Type of gen. func.: lgdogf

$$-\frac{2 x^7 + x^6 - 6 x^5 + 6 x^4 - 12 x^3 - 25 x^2 + 12 x - 14}{(x - 1) (x^2 + 1) (x^5 - x^3 - 2 x - 4)}$$

Sequence: A165721
Score: 8.13390
Type of gen. func.: ogf

$$\frac{x^5 - x^3 - 2x - 4}{(x^2 + 1)^2 (x - 1)^3}$$

Sequence: A165726
Score: 10.1803
Type of gen. func.: ogf

$$-(49 f(x) x - f(x) + x + 1)^2$$

Sequence: A165734
Score: 13.7054
Type of gen. func.: ogf

$$- \frac{6 (5 x + 1)}{(x - 1) (1 + x)}$$

Sequence: A165734
Score: 15.5423
Type of gen. func.: revegf]

$$-\ln(36) + \ln(30 + x + (x^2 + 60 x + 36)^{1/2})$$

Sequence: A165734
Score: 16.4566
Type of gen. func.: lgdogf

$$- \frac{5 x^2 + 2 x + 5}{(x - 1) (5 x + 1) (1 + x)}$$

Sequence: A165734
Score: 7.57402
Type of gen. func.: ogf

$$-(13 f(x) + 1797) (f(x) x^{2} - f(x) + 30 x + 6)$$

Sequence: A165734
Score: 8.85577
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 6, a(1) = 30\}$$

Sequence: A165745
Score: 3.88239
Type of gen. func.: ogf

$$\frac{(x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (1 + x)^{2}}{x^{10} - x^{9} - x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x + 1}$$

Sequence: A165746
Score: 12.5710
Type of gen. func.: ogf

$$- \frac{7 x - 1}{(-1 + 3 x) (x - 1)}$$

Sequence: A165746
Score: 14.9066
Type of gen. func.: revogf

$$- \frac{-1 - 4 x + (4 x^{2} - 20 x + 1)^{1/2}}{2 (7 + 3 x)}$$

Sequence: A165746
Score: 16.0532
Type of gen. func.: lgdogf

^{2}

$$-\frac{3 (7 x - 2 x - 1)}{(x - 1) (-1 + 3 x) (7 x - 1)}$$

Sequence: A165746
Score: 6.21641
Type of gen. func.: ogf

$$-(22 f(x) - 13) (3 f(x) x^2 - 4 f(x) x + f(x) + 7 x - 1)$$

Sequence: A165746
Score: 6.89870
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 3 a(n), a(0) = 1, a(1) = -3\}$$

Sequence: A165747
Score: 13.9401
Type of gen. func.: ogf

$$-\frac{-1 + 3 x}{(x - 1)^2}$$

Sequence: A165747
Score: 24.7842
Type of gen. func.: revogf

$$-\frac{-1 - 2 x + (1 - 8 x)^{1/2}}{2 (3 + x)}$$

Sequence: A165747
Score: 37.1764
Type of gen. func.: lgdogf

$$-\frac{3 x + 1}{(-1 + 3 x) (x - 1)}$$

Sequence: A165747
Score: 7.65007
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = -1\}$$

Sequence: A165747
Score: 9.95724
Type of gen. func.: ogf

$$f(x) x^2 - 2 f(x) x + f(x) + 3 x - 1$$

Sequence: A165748
Score: 11.8418
Type of gen. func.: ogf

$$-\frac{1 + 15 x}{(8 x + 1) (x - 1)}$$

Sequence: A165748
Score: 13.0103
Type of gen. func.: revogf

$$\frac{-1 + 7 x + (81 x^2 + 46 x + 1)^{1/2}}{2 (15 + 8 x)}$$

Sequence: A165748
Score: 13.9861
Type of gen. func.: lgdogf

$$-\frac{8 (15 x^2 + 2 x + 1)}{(x - 1) (8 x + 1) (1 + 15 x)}$$

Sequence: A165748
Score: 5.98595
Type of gen. func.: ogf

$$2$$

$$-(11 f(x) + 5) (8 f(x) x - 7 f(x) x - f(x) + 15 x + 1)$$

Sequence: A165748
Score: 6.64294
Type of gen. func.: ogf

$$\{-a(n + 2) - 7 a(n + 1) + 8 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A165749
Score: 10.9960
Type of gen. func.: ogf

$$-\frac{1 + 17 x}{(9 x + 1) (x - 1)}$$

Sequence: A165749
Score: 11.2473
Type of gen. func.: revogf

$$\frac{-1 + 8 x + ((2 x + 1) (50 x + 1))^{1/2}}{2 (17 + 9 x)}$$

Sequence: A165749
Score: 12.9344
Type of gen. func.: lgdogf

$$-\frac{9 (17 x^2 + 2 x + 1)}{(x - 1) (9 x + 1) (1 + 17 x)}$$

Sequence: A165749
Score: 5.49799
Type of gen. func.: ogf

$$-(58 f(x) + 23) (9 f(x) x^2 - 8 f(x) x - f(x) + 17 x + 1)$$

Sequence: A165749

Score: 6.16848
Type of gen. func.: ogf

$$\{-a(n + 2) - 8 a(n + 1) + 9 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A165750
Score: 10.8235
Type of gen. func.: ogf

$$-\frac{1 + 19 x}{(10 x + 1) (x - 1)}$$

Sequence: A165750
Score: 5.46995
Type of gen. func.: ogf

$$-(37 f(x) + 13) (10 f(x) x^{2} - 9 f(x) x - f(x) + 19 x + 1)$$

Sequence: A165750
Score: 6.05601
Type of gen. func.: ogf

$$\{-a(n + 2) - 9 a(n + 1) + 10 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A165751
Score: 12.6624
Type of gen. func.: ogf

$$-\frac{5 x - 1}{(2 x - 1) (x - 1)}$$

Sequence: A165751
Score: 16.1612
Type of gen. func.: revogf

$$-\frac{-1 - 3 x + (x^{2} - 14 x + 1)^{1/2}}{2 (5 + 2 x)}$$

Sequence: A165751
Score: 16.5756
Type of gen. func.: lgdogf

$$-\frac{2\,(5\,x^2 - 2\,x - 1)}{(x - 1)\,(2\,x - 1)\,(5\,x - 1)}$$

Sequence: A165751
Score: 6.40233
Type of gen. func.: ogf

$$-(7\,f(x) - 5)\,(2\,f(x)\,x^2 - 3\,f(x)\,x + f(x) + 5\,x - 1)$$

Sequence: A165751
Score: 6.94885
Type of gen. func.: ogf

$$\{-a(n + 2) + 3\,a(n + 1) - 2\,a(n),\ a(0) = 1,\ a(1) = -2\}$$

Sequence: A165752
Score: 12.4328
Type of gen. func.: ogf

$$-\frac{9\,x - 1}{(-1 + 4\,x)\,(x - 1)}$$

Sequence: A165752
Score: 14.5720
Type of gen. func.: revogf

$$-\frac{-1 - 5\,x + (9\,x^2 - 26\,x + 1)^{1/2}}{2\,(9 + 4\,x)}$$

Sequence: A165752
Score: 15.6930
Type of gen. func.: lgdogf

$$-\frac{4 (9 x^2 - 2 x - 1)}{(x - 1) (-1 + 4 x) (9 x - 1)}$$

Sequence: A165752
Score: 6.28628
Type of gen. func.: ogf

$$-(2 f(x) - 1) (4 f(x) x^2 - 5 f(x) x + f(x) + 9 x - 1)$$

Sequence: A165752
Score: 6.82290
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - 4 a(n), a(0) = 1, a(1) = -4\}$$

Sequence: A165754
Score: 14.6529
Type of gen. func.: ogf

$$\frac{2 x^2 - 3 x + 3}{(1 + x) (x - 1)^2}$$

Sequence: A165754
Score: 20.9760
Type of gen. func.: lgdogf

$$-\frac{2 x (x^2 - 2 x + 5)}{(x - 1) (1 + x) (2 x^2 - 3 x + 3)}$$

Sequence: A165754
Score: 7.38697
Type of gen. func.: ogf

$$-(2508 f(x) + 8101) (f(x) x^3 - f(x) x^2 - f(x) x - 2 x^2 + f(x) + 3 x - 3)$$

Sequence: A165754
Score: 8.05247
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 3, a(1) = 0, a(2) = 5\}$$

Sequence: A165755
Score: 11.0060
Type of gen. func.: ogf

$$- \frac{11 x - 1}{(5 x - 1) (x - 1)}$$

Sequence: A165755
Score: 12.5276
Type of gen. func.: revogf

$$- \frac{-1 - 6 x + (16 x^2 - 32 x + 1)^{1/2}}{2 (11 + 5 x)}$$

Sequence: A165755
Score: 13.4443
Type of gen. func.: lgdogf

$$- \frac{5 (11 x^2 - 2 x - 1)}{(x - 1) (5 x - 1) (11 x - 1)}$$

Sequence: A165755
Score: 5.50303
Type of gen. func.: ogf

$$-(44 f(x) - 19) (5 f(x) x^2 - 6 f(x) x + f(x) + 11 x - 1)$$

Sequence: A165755
Score: 6.17412
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 5 a(n), a(0) = 1, a(1) = -5\}$$

Sequence: A165756
Score: 3.57857
Type of gen. func.: ogf

$$\frac{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (1 + x)^2}{3 x^{10} - 2 x^9 - 2 x^8 - 2 x^7 - 2 x^6 - 2 x^5 - 2 x^4 - 2 x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A165757
Score: 3.59484
Type of gen. func.: ogf

$$\frac{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (1 + x)^2}{6 x^{10} - 3 x^9 - 3 x^8 - 3 x^7 - 3 x^6 - 3 x^5 - 3 x^4 - 3 x^3 - 3 x^2 - 3 x + 1}$$

Sequence: A165758
Score: 11.9829
Type of gen. func.: ogf

$$- \frac{13 x - 1}{(6 x - 1) (x - 1)}$$

Sequence: A165758
Score: 13.5489
Type of gen. func.: revogf

$$- \frac{-1 - 7 x + (25 x^2 - 38 x + 1)^{1/2}}{2 (13 + 6 x)}$$

Sequence: A165758
Score: 14.5403
Type of gen. func.: lgdogf

$$6 (13 x^2 - 2 x - 1)$$

$$-\frac{\qquad}{(x - 1) (6 x - 1) (13 x - 1)}$$

Sequence: A165758
Score: 5.99146
Type of gen. func.: ogf

$$-(29 f(x) - 11) (6 f(x) x^2 - 7 f(x) x + f(x) + 13 x - 1)$$

Sequence: A165758
Score: 6.72212
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) - 6 a(n), a(0) = 1, a(1) = -6\}$$

Sequence: A165759
Score: 14.2298
Type of gen. func.: ogf

$$-\frac{15 x - 1}{(7 x - 1) (x - 1)}$$

Sequence: A165759
Score: 7.11492
Type of gen. func.: ogf

$$-(74 f(x) - 25) (7 f(x) x^2 - 8 f(x) x + f(x) + 15 x - 1)$$

Sequence: A165759
Score: 7.98259
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 7 a(n), a(0) = 1, a(1) = -7\}$$

Sequence: A165760
Score: 11.9698
Type of gen. func.: ogf

$$-\frac{-1 + 17 x}{(8 x - 1) (x - 1)}$$

Sequence: A165760
Score: 13.1518
Type of gen. func.: revogf

$$-\frac{-1 - 9 x + ((49 x - 1) (x - 1))^{1/2}}{2 (17 + 8 x)}$$

Sequence: A165760
Score: 14.4349
Type of gen. func.: lgdogf

$$-\frac{8 (17 x^2 - 2 x - 1)}{(x - 1) (8 x - 1) (-1 + 17 x)}$$

Sequence: A165760
Score: 6.05066
Type of gen. func.: ogf

$$-(23 f(x) - 7) (8 f(x) x^2 - 9 f(x) x + f(x) + 17 x - 1)$$

Sequence: A165760
Score: 6.71476
Type of gen. func.: ogf

$$\{-a(n + 2) + 9 a(n + 1) - 8 a(n), a(0) = 1, a(1) = -8\}$$

Sequence: A165777
Score: 4.04165
Type of gen. func.: ogf

$$\frac{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (1 + x)^2}{10 x^{10} - 4 x^9 - 4 x^8 - 4 x^7 - 4 x^6 - 4 x^5 - 4 x^4 - 4 x^3 - 4 x^2 - 4 x + 1}$$

Sequence: A165782
Score: 9.04269
Type of gen. func.: ogf

$$(f(x) - 1) (6 f(x) x - f(x) + x + 1)^2$$

Sequence: A165786
Score: 11.022
Type of gen. func.: ogf

$$-(7 f(x) x - f(x) + x + 1)^2$$

Sequence: A165786
Score: 4.08508
Type of gen. func.: ogf

$$-\frac{28 x^{10} + 8 x^9 + 8 x^8 + 8 x^7 + 8 x^6 + 8 x^5 + 8 x^4 + 8 x^3 + 8 x^2 + 8 x + 1}{48 x^8 + 48 x^6 + 48 x^4 + 48 x^2 - 1}$$

Sequence: A165787
Score: 11.5873
Type of gen. func.: ogf

$$-(8 f(x) x - f(x) + x + 1)^2$$

Sequence: A165787
Score: 4.29458
Type of gen. func.: ogf

$$-\frac{36 x^{10} + 9 x^9 + 9 x^8 + 9 x^7 + 9 x^6 + 9 x^5 + 9 x^4 + 9 x^3 + 9 x^2 + 9 x + 1}{63 x^8 + 63 x^6 + 63 x^4 + 63 x^2 - 1}$$

Sequence: A165788
Score: 10.8333

Type of gen. func.: ogf

$$-(9 f(x) x - f(x) + x + 1)^2$$

Sequence: A165791
Score: 4.29956
Type of gen. func.: ogf

$$\frac{2 x^8 - 5 x^7 + 2 x^6 - x^5 - 19 x^4 - 15 x^3 + 14 x^2 + 3 x - 1}{9 x^9 - 15 x^8 - 11 x^7 + 24 x^6 - 17 x^5 - 65 x^4 - 25 x^3 + 21 x^2 + 4 x - 1}$$

Sequence: A165796
Score: 10.2769
Type of gen. func.: ogf

$$-(10 f(x) x - f(x) + x + 1)^2$$

Sequence: A165798
Score: 13.2265
Type of gen. func.: ogf

$$-\frac{65 (1 + x)}{(x - 1)^3}$$

Sequence: A165798
Score: 34.3684
Type of gen. func.: ogf_with_Euler_transform]

$$[4 - x]$$

Sequence: A165798
Score: 35.6560
Type of gen. func.: lgdogf

$$-\frac{2 (x + 2)}{(x - 1) (1 + x)}$$

Sequence: A165798
Score: 6.21756
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 65, a(1) = 260, a(2) = 585\}$$

Sequence: A165798
Score: 6.55364
Type of gen. func.: ogf

$$(236 f(x) - 20865) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 65 x + 65)$$

Sequence: A165799
Score: 6.14889
Type of gen. func.: lgdogf

$$- 2 x (72 x^{10} + 208 x^8 + 180 x^7 + 66 x^6 - 4 x^5 - 60 x^4 - 6 x^3 - x^2 + 4 x + 1) / ((4 x^9 + 16 x^7 + 22 x^6 + 3 x^5 - x^4 - 9 x^3 - x^2 - x + 1) (6 x^3 + x - 1))$$

Sequence: A165799
Score: 7.50350
Type of gen. func.: ogf

$$- \frac{6 x^3 + x - 1}{4 x^9 + 16 x^7 + 22 x^6 + 3 x^5 - x^4 - 9 x^3 - x^2 - x + 1}$$

Sequence: A165800
Score: 10.4234
Type of gen. func.: ogf

$$\{a(n + 1) - 50 a(n), a(0) = 1\}$$

Sequence: A165800
Score: 13.1534
Type of gen. func.: ogf

$$-50 f(x) x + f(x) - 1$$

Sequence: A165800
Score: 25.1110
Type of gen. func.: ogf

$$-\frac{1}{50 x - 1}$$

Sequence: A165800
Score: 36.1073
Type of gen. func.: revegf]

$$1/50 \ln(50 x + 1)$$

Sequence: A165800
Score: 41.6623
Type of gen. func.: lgdogf

$$-\frac{50}{50 x - 1}$$

Sequence: A165804
Score: 9.84055
Type of gen. func.: ogf

$$\frac{x (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}{(x - 1) (8 x^{7} - 1)}$$

Sequence: A165806
Score: 12.6143
Type of gen. func.: ogf

$$-\frac{x^{2} + 10 x + 19}{}$$

$$(x - 1)^3$$

Sequence: A165806
Score: 22.9368
Type of gen. func.: lgdogf

$$-\frac{x^2 + 22 x + 67}{(x - 1) (x^2 + 10 x + 19)}$$

Sequence: A165806
Score: 6.46101
Type of gen. func.: ogf

$$(59300 f(x) - 1206143) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 10 x + 19)$$

Sequence: A165806
Score: 6.85090
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 19, a(1) = 67, a(2) = 145}

Sequence: A165807
Score: 10.2769
Type of gen. func.: ogf

$$-(11 f(x) x - f(x) + x + 1)^2$$

Sequence: A165808
Score: 11.3623
Type of gen. func.: lgdogf

$$-\frac{x^3 - 2091 x^2 - 10995 x - 4579}{(x - 1) (x^3 - 1047 x^2 - 2967 x - 403)}$$

Sequence: A165808
Score: 3.798
Type of gen. func.: ogf

$$(11244063084110741504 f(x) + 23995250787973410165925) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + x^3 - 4 f(x) x - 1047 x^2 + f(x) - 2967 x - 403)$$

Sequence: A165808
Score: 8.31089
Type of gen. func.: ogf

$$-\frac{x^3 - 1047 x^2 - 2967 x - 403}{(x - 1)^4}$$

Sequence: A165809
Score: 12.4574
Type of gen. func.: lgdogf

$$-\frac{2 (235 x^2 + 2131 x + 1354)}{(x - 1) (235 x^2 + 1264 x + 361)}$$

Sequence: A165809
Score: 3.76954
Type of gen. func.: ogf

$$(10860921940243000 f(x) + 32774325628347784131) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 705 x^2 + f(x) - 3792 x - 1083)$$

Sequence: A165809
Score: 8.42029
Type of gen. func.: ogf

$$\frac{3 (235 x^2 + 1264 x + 361)}{(x - 1)^4}$$

Sequence: A165817
Score: 33.2959
Type of gen. func.: revogf

$$\frac{4 x (1 + x)^2}{(3 x + 2)^3}$$

Sequence: A165817
Score: 6.24347
Type of gen. func.: ogf

$$\{(-27 n^2 - 27 n - 6) a(n) + (4 n^2 + 6 n + 2) a(n + 1), a(0) = 1, a(1) = 2\}$$

Sequence: A165817
Score: 7.3377
Type of gen. func.: ogf

$$-27 f(x)^3 x + 4 f(x)^3 + 27 f(x)^2 x - 4 f(x)^2 - 9 f(x) x + x$$

Sequence: A165873
Score: 9.28664
Type of gen. func.: ogf

$$-(12 f(x) x - f(x) + x + 1)^2$$

Sequence: A165874
Score: 9.49651
Type of gen. func.: ogf

$$-(13 f(x) x - f(x) + x + 1)^2$$

Sequence: A165875
Score: 9.75885
Type of gen. func.: ogf

$$-(14 f(x) x - f(x) + x + 1)^2$$

Sequence: A165876
Score: 9.91625
Type of gen. func.: ogf

$$-(15 f(x) x - f(x) + x + 1)^2$$

Sequence: A165879
Score: 10.1786
Type of gen. func.: ogf

$$-(16 f(x) x - f(x) + x + 1)^2$$

Sequence: A165880
Score: 10.336
Type of gen. func.: ogf

$$-(17 f(x) x - f(x) + x + 1)^2$$

Sequence: A165881
Score: 3.84724
Type of gen. func.: ogf

$$\frac{19 x^9 + x^8 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{x^8 - 36 x^5 + 2 x^4 - 36 x^3 + 2 x^2 - 36 x + 2}$$

Sequence: A165881
Score: 9.19062
Type of gen. func.: ogf

$$-(18 f(x) x - f(x) + x + 1)^2$$

Sequence: A165882
Score: 3.89022
Type of gen. func.: ogf

$$\frac{20 x^{9} + x^{8} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{8} - 38 x^{5} + 2 x^{4} - 38 x^{3} + 2 x^{2} - 38 x + 2}$$

Sequence: A165882
Score: 9.29331
Type of gen. func.: ogf

$$-(19 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A165894
Score: 3.95471
Type of gen. func.: ogf

$$\frac{21 x^{9} + x^{8} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{8} - 40 x^{5} + 2 x^{4} - 40 x^{3} + 2 x^{2} - 40 x + 2}$$

Sequence: A165894
Score: 9.44734
Type of gen. func.: ogf

$$-(20 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A165895
Score: 3.97619
Type of gen. func.: ogf

$$\frac{22 x^{9} + x^{8} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{8} - 42 x^{5} + 2 x^{4} - 42 x^{3} + 2 x^{2} - 42 x + 2}$$

Sequence: A165895
Score: 9.49868

Type of gen. func.: ogf

$$-(21 f(x) x - f(x) + x + 1)^2$$

Sequence: A165897
Score: 13.5009
Type of gen. func.: lgdogf

$$-\frac{3 (9 x^4 + 12 x^3 + 12 x^2 + 6 x + 2)}{(3 x^3 - 1) (9 x^2 + 6 x + 4)}$$

Sequence: A165897
Score: 15.1776
Type of gen. func.: ogf

$$-\frac{9 x^2 + 6 x + 4}{3 x^3 - 1}$$

Sequence: A165897
Score: 9.41396
Type of gen. func.: ogf

$$-(4 f(x) - 7) (3 f(x) x^3 + 9 x^2 - f(x) + 6 x + 4)$$

Sequence: A165897
Score: 9.78557
Type of gen. func.: ogf

{a(n + 3) - 3 a(n), a(0) = 4, a(1) = 6, a(2) = 9}

Sequence: A165900
Score: 12.7601
Type of gen. func.: ogf

$$-\frac{x^2 + 2 x - 1}{}$$

$$(x - 1)^{3}$$

Sequence: A165900
Score: 6.65268
Type of gen. func.: ogf

$$-(32 f(x) - 77) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + x^{2} - f(x) + 2 x - 1)$$

Sequence: A165900
Score: 6.94968
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = -1, a(1) = -1, a(2) = 1\}$$

Sequence: A165910
Score: 5.93439
Type of gen. func.: ogf

$$\frac{2 x^{3} - x^{2} + x - 1}{(x^{2} + x - 1) (1 + x)^{2} (x^{2} - 3 x + 1)^{2}}$$

Sequence: A165910
Score: 7.00667
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^{7} - 5 x^{6} - 4 x^{5} + 2 x^{4} - 12 x^{3} + 17 x^{2} - 2 x - 2)}{(1 + x) (x^{2} - 3 x + 1) (x^{2} + x - 1) (2 x^{3} - x^{2} + x - 1)}$$

Sequence: A165935
Score: 3.99431
Type of gen. func.: ogf

$$\frac{x^{4} - 236 x^{3} + 1446 x^{2} - 236 x + 1}{(1 + x)^{6}}$$

Sequence: A165939
Score: 4.08366
Type of gen. func.: ogf

$$\frac{23 x^{9} + x^{8} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{8} - 44 x^{5} + 2 x^{4} - 44 x^{3} + 2 x^{2} - 44 x + 2}$$

Sequence: A165939
Score: 9.7554
Type of gen. func.: ogf

$$-(22 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A165942
Score: 11.6687
Type of gen. func.: ogf

$$-\frac{2520413 x^{2} + 16777500 x + 3418}{(x - 1) (x^{2} + x + 1)}$$

Sequence: A165942
Score: 5.09038
Type of gen. func.: ogf

$$(465658476259006257318828372 f(x) - 353999672877267116289809209175693)$$

$$(f(x) x^{3} + 2520413 x^{2} - f(x) + 16777500 x + 3418)$$

Sequence: A165942
Score: 8.24422
Type of gen. func.: ogf

$$\{a(n + 3) - a(n), a(0) = 3418, a(1) = 16777500, a(2) = 2520413\}$$

Sequence: A165943
Score: 5.03984
Type of gen. func.: ogf

$$-7x(3x^{10}+5x^9+51x^8+6x^7+146x^6+42x^5+162x^4+8x^3+75x^2+9x+11)\Big/\left((x-1)^3(1+x)^3(x^2+1)^3\right)$$

Sequence: A165965
Score: 4.10516
Type of gen. func.: ogf

$$\frac{24x^9+x^8+2x^5+2x^4+2x^3+2x^2+2x+2}{x^8-46x^5+2x^4-46x^3+2x^2-46x+2}$$

Sequence: A165965
Score: 9.80675
Type of gen. func.: ogf

$$-(23f(x)x-f(x)+x+1)^2$$

Sequence: A165967
Score: 4.14814
Type of gen. func.: ogf

$$\frac{25x^9+x^8+2x^5+2x^4+2x^3+2x^2+2x+2}{x^8-48x^5+2x^4-48x^3+2x^2-48x+2}$$

Sequence: A165967
Score: 9.90944
Type of gen. func.: ogf

$$-(24f(x)x-f(x)+x+1)^2$$

Sequence: A165968

Score: 6.01999
Type of gen. func.: ogf

$$\{-2 a(n) n + (-2 n - 2) a(n + 1) + a(n + 2), a(0) = 0, a(1) = 1\}$$

Sequence: A165973
Score: 10.0121
Type of gen. func.: ogf

$$-(25 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A165973
Score: 4.19112
Type of gen. func.: ogf

$$\frac{26 x^{9} + x^{8} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{8} - 50 x^{5} + 2 x^{4} - 50 x^{3} + 2 x^{2} - 50 x + 2}$$

Sequence: A165976
Score: 17.0933
Type of gen. func.: revogf

$$\frac{(3 - 9 x + (17 x^{2} - 6 x + 1)^{1/2}) x}{4}$$

Sequence: A165979
Score: 10.1148
Type of gen. func.: ogf

$$-(26 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A165979
Score: 4.23411
Type of gen. func.: ogf

$$27 x^{9} + x^{8} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2$$

$$x^8 - 52 x^5 + 2 x^4 - 52 x^3 + 2 x^2 - 52 x + 2$$

Sequence: A165980
Score: 10.2688
Type of gen. func.: ogf

$$-(27 f(x) x - f(x) + x + 1)^2$$

Sequence: A165980
Score: 4.29859
Type of gen. func.: ogf

$$\frac{28 x^9 + x^8 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{x^8 - 54 x^5 + 2 x^4 - 54 x^3 + 2 x^2 - 54 x + 2}$$

Sequence: A165983
Score: 9.17864
Type of gen. func.: ogf

$$- \frac{4 x^{11} + x^{10} + x^9 + x^8 + 2 x^3 + x^2 + x + 1}{(x - 1) (1 + x) (x^2 + 1) (x^8 + 1)}$$

Sequence: A165988
Score: 14.0660
Type of gen. func.: ogf

$$\frac{3 x (x^2 + 4 x + 1)}{(x - 1)^2 (1 + x)^2}$$

Sequence: A165988
Score: 19.5412
Type of gen. func.: lgdogf

$$2 (x^3 + 6 x^2 + 3 x + 2)$$

$$- \frac{}{(x - 1) (1 + x) (x^2 + 4 x + 1)}$$

Sequence: A165988
Score: 7.51805
Type of gen. func.: ogf

$$\{(n + 3) a(n + 1) + (-n - 1) a(n + 3), a(0) = 0, a(1) = 3, a(2) = 12\}$$

Sequence: A165988
Score: 8.46695
Type of gen. func.: ogf

$$-(8 f(x) + 39) (f(x) x^4 - 2 f(x) x^2 - 3 x^3 - 12 x^2 + f(x) - 3 x)$$

Sequence: A165989
Score: 11.9749
Type of gen. func.: ogf

$$\frac{534 x^2 + 125 x + 534}{(1 + x) (x - 1)^2}$$

Sequence: A165989
Score: 12.9125
Type of gen. func.: lgdogf

$$- \frac{534 x^3 + 784 x^2 + 2795 x + 659}{(x - 1) (1 + x) (534 x^2 + 125 x + 534)}$$

Sequence: A165989
Score: 5.94311
Type of gen. func.: ogf

$$-(822499 f(x) + 1123819307)$$

$$(f(x) x^3 - f(x) x^2 - f(x) x - 534 x^2 + f(x) - 125 x - 534)$$

Sequence: A165989
Score: 6.74218
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n),\ a(0) = 534,\ a(1) = 659,\ a(2) = 1727\}$$

Sequence: A165998
Score: 15.5826
Type of gen. func.: ogf

$$\frac{x^2 + 6 x + 1}{(x - 1)^2 (1 + x)^2}$$

Sequence: A165998
Score: 19.8056
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 + 9 x^2 + 3 x + 3)}{(x - 1) (1 + x) (x^2 + 6 x + 1)}$$

Sequence: A165998
Score: 7.65695
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 1) + (n + 2) a(n + 3),\ a(0) = 1,\ a(1) = 6,\ a(2) = 3\}$$

Sequence: A165998
Score: 8.88207
Type of gen. func.: ogf

$$-(14 f(x) - 131) (f(x) x^4 - 2 f(x) x^2 - x^2 + f(x) - 6 x - 1)$$

Sequence: A166004
Score: 10.3202
Type of gen. func.: ogf

$$-(28 f(x) x - f(x) + x + 1)^2$$

Sequence: A166004
Score: 4.32009
Type of gen. func.: ogf

$$\frac{29 x^9 + x^8 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{x^8 - 56 x^5 + 2 x^4 - 56 x^3 + 2 x^2 - 56 x + 2}$$

Sequence: A166012
Score: 10.2770
Type of gen. func.: ogf

$$-\frac{2 x^3 + x^2 - x - 1}{(x - 1) (1 + x) (x^2 + x - 1)}$$

Sequence: A166012
Score: 10.3017
Type of gen. func.: lgdogf

$$-\frac{2 (x^6 + x^5 + x^4 - x^3 - 3 x^2 + x + 1)}{(x - 1) (1 + x) (x^2 + x - 1) (2 x^3 + x^2 - x - 1)}$$

Sequence: A166012
Score: 5.77613
Type of gen. func.: ogf

$$(f(x) - 3) (f(x) x^4 + f(x) x^3 - 2 f(x) x^2 + 2 x^3 - f(x) x + x^2 + f(x) - x - 1)$$

Sequence: A166022
Score: 7.41626
Type of gen. func.: lgdogf

$$-\frac{12x^7-21x^6+4x^5+11x^4+4x^3-14x^2+8x-2}{(x-1)(2x-1)(1+x)(x^2-x+1)(3x^3-2x^2-x+1)}$$

Sequence: A166022
Score: 8.20176
Type of gen. func.: ogf

$$\frac{x(3x^3-2x^2-x+1)}{(x-1)(2x-1)(1+x)(x^2-x+1)}$$

Sequence: A166023
Score: 11.0490
Type of gen. func.: ogf

$$\{a(n+2)-6a(n), a(0)=1, a(1)=5\}$$

Sequence: A166023
Score: 17.2471
Type of gen. func.: ogf

$$-\frac{5x+1}{6x^2-1}$$

Sequence: A166023
Score: 18.2543
Type of gen. func.: revogf

$$\frac{-1+(24x^2+20x+1)^{1/2}}{2(5+6x)}$$

Sequence: A166023
Score: 20.4019
Type of gen. func.: lgdogf

$$30x^2+12x+5$$

$$- \frac{}{(5 x + 1) (6 x^2 - 1)}$$

Sequence: A166023
Score: 9.68674
Type of gen. func.: ogf

$$-(31 f(x) + 13) (6 f(x) x^2 - f(x) + 5 x + 1)$$

Sequence: A166024
Score: 11.0987
Type of gen. func.: lgdogf

$$- \frac{2 (399545 x^2 + 20087863 x + 399545)}{(x - 1) (799090 x + 20087863) (1 + x)}$$

Sequence: A166024
Score: 13.1095
Type of gen. func.: ogf

$$- \frac{21 (799090 x + 20087863)}{(x - 1) (1 + x)}$$

Sequence: A166024
Score: 6.7975
Type of gen. func.: ogf

$$-(20087863 f(x) - 8467262317347099) (f(x) x^2 - f(x) + 16780890 x + 421845123)$$

Sequence: A166024
Score: 9.29278
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n), a(0) = 421845123, a(1) = 16780890\}$$

Sequence: A166024

Score: 9.88243
Type of gen. func.: revogf

$$\frac{-421845123 + (4 x^2 + 67123560 x + 177953307798885129)^{1/2}}{2 (16780890 + x)}$$

Sequence: A166025
Score: 16.5401
Type of gen. func.: ogf

$$- \frac{11 x + 6}{x^2 + x - 1}$$

Sequence: A166025
Score: 19.1442
Type of gen. func.: revogf

$$\frac{-6 - x + (5 x^2 + 56 x + 36)^{1/2}}{2 (11 + x)}$$

Sequence: A166025
Score: 20.7395
Type of gen. func.: lgdogf

$$- \frac{11 x^2 + 12 x + 17}{(11 x + 6) (x^2 + x - 1)}$$

Sequence: A166025
Score: 8.54881
Type of gen. func.: ogf

$$(29 f(x) + 115) (f(x) x^2 + f(x) x - f(x) + 11 x + 6)$$

Sequence: A166025
Score: 9.16681
Type of gen. func.: ogf

{a(n + 2) - a(n + 1) - a(n), a(0) = 6, a(1) = 17}

Sequence: A166026
Score: 10.4229
Type of gen. func.: ogf

$$-(29 f(x) x - f(x) + x + 1)^2$$

Sequence: A166026
Score: 4.36307
Type of gen. func.: ogf

$$\frac{30 x^9 + x^8 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{x^8 - 58 x^5 + 2 x^4 - 58 x^3 + 2 x^2 - 58 x + 2}$$

Sequence: A166027
Score: 10.9963
Type of gen. func.: ogf

{-a(n + 2) + 6 a(n), a(0) = 4, a(1) = 1}

Sequence: A166027
Score: 17.1650
Type of gen. func.: ogf

$$-\frac{x + 4}{6 x^2 - 1}$$

Sequence: A166027
Score: 22.2676
Type of gen. func.: lgdogf

$$-\frac{6 x^2 + 48 x + 1}{(x + 4) (6 x^2 - 1)}$$

Sequence: A166027
Score: 23.0099
Type of gen. func.: revogf

$$\frac{-2 + (6 x^2 + x + 4)^{1/2}}{1 + 6 x}$$

Sequence: A166027
Score: 9.64061
Type of gen. func.: ogf

$$(2328 f(x) - 9311) (6 f(x) x^2 - f(x) + x + 4)$$

Sequence: A166033
Score: 13.3539
Type of gen. func.: ogf

$$- \frac{10 x^2 - 20 x - 1}{(1 + x) (x - 1)^2}$$

Sequence: A166033
Score: 15.5698
Type of gen. func.: lgdogf

$$- \frac{10 x^3 - 30 x^2 - 3 x - 21}{(x - 1) (1 + x) (10 x^2 - 20 x - 1)}$$

Sequence: A166033
Score: 6.83983
Type of gen. func.: ogf

$$-(901 f(x) + 18395) (f(x) x^3 - f(x) x^2 - f(x) x + 10 x^2 + f(x) - 20 x - 1)$$

Sequence: A166033
Score: 7.37981
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+2)+a(n+1)-a(n),\ a(0)=1,\ a(1)=21,\ a(2)=12\}$$

Sequence: A166035
Score: 12.8146
Type of gen. func.: ogf

$$\frac{2x-1}{(4x+1)(3x-1)}$$

Sequence: A166035
Score: 14.9127
Type of gen. func.: revogf

$$\frac{-1+x+(49x^2-10x+1)^{1/2}}{4(-1+6x)}$$

Sequence: A166035
Score: 15.2855
Type of gen. func.: lgdogf

$$-\frac{3(8x^2-8x+1)}{(4x+1)(3x-1)(2x-1)}$$

Sequence: A166035
Score: 6.40731
Type of gen. func.: ogf

$$-(37f(x)-28)(12f(x)x^2-f(x)x-f(x)-2x+1)$$

Sequence: A166035
Score: 7.10207
Type of gen. func.: ogf

$$\{a(n+2)+a(n+1)-12a(n),\ a(0)=1,\ a(1)=-3\}$$

Sequence: A166036
Score: 10.8107
Type of gen. func.: ogf

$$\frac{3 x - 1}{(5 x + 1) (4 x - 1)}$$

Sequence: A166036
Score: 12.2682
Type of gen. func.: lgdogf

$$- \frac{4 (15 x^2 - 10 x + 1)}{(5 x + 1) (4 x - 1) (3 x - 1)}$$

Sequence: A166036
Score: 12.2682
Type of gen. func.: revogf

$$\frac{-1 + x + (81 x^2 - 14 x + 1)^{1/2}}{2 (-3 + 20 x)}$$

Sequence: A166036
Score: 5.52546
Type of gen. func.: ogf

$$-(7 f(x) - 5) (20 f(x) x^2 - f(x) x - f(x) - 3 x + 1)$$

Sequence: A166036
Score: 5.99146
Type of gen. func.: ogf

$$\{a(n + 2) + a(n + 1) - 20 a(n), a(0) = 1, a(1) = -4\}$$

Sequence: A166048
Score: 4.96895

Type of gen. func.: ogf

$$x (11 x^{14} - 23 x^{13} + 14 x^{12} + x^{11} - 4 x^{10} - 8 x^{9} + 12 x^{8} - 5 x^{7} + 2 x^{6} - 3 x^{5} + 2 x^{4} - x^{3} + x - 1) / (x - 1)^{3}$$

Sequence: A166049
Score: 4.52561
Type of gen. func.: ogf

$$(44 x^{15} - 92 x^{14} + 56 x^{13} + 4 x^{12} - 16 x^{11} - 32 x^{10} + 48 x^{9} - 20 x^{8} + 8 x^{7} - 12 x^{6} + 8 x^{5} - 4 x^{4} + 3 x^{2} - 2 x - 1) / (x - 1)^{3}$$

Sequence: A166060
Score: 14.0915
Type of gen. func.: ogf

$$\frac{1 + x}{(3 x - 1) (2 x - 1)}$$

Sequence: A166060
Score: 7.37347
Type of gen. func.: ogf

$$(5 f(x) + 13) (6 f(x) x^{2} - 5 f(x) x + f(x) - x - 1)$$

Sequence: A166060
Score: 7.73316
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - 6 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A166067
Score: 16.0383
Type of gen. func.: ogf

$$-\frac{68 x + 1}{x^2 + x - 1}$$

Sequence: A166067
Score: 18.5584
Type of gen. func.: revogf

$$\frac{-1 - x + (5 x^2 + 274 x + 1)^{1/2}}{2 (68 + x)}$$

Sequence: A166067
Score: 20.6794
Type of gen. func.: lgdogf

$$-\frac{68 x^2 + 2 x + 69}{(68 x + 1) (x^2 + x - 1)}$$

Sequence: A166067
Score: 8.19737
Type of gen. func.: ogf

$$(71 f(x) + 4690) (f(x) x^2 + f(x) x - f(x) + 68 x + 1)$$

Sequence: A166067
Score: 8.88872
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 69\}$$

Sequence: A166072
Score: 4.04546
Type of gen. func.: ogf

$$- (792488396 x^7 + 16780909 x^6 + 34381154 x^5 + 873583 x^4 + 1657004 x^3 + 437755524 x^2 + 808491852 x + 809265896) / ((x - 1) (1 + x) (x^2 + 1)$$

$$/\,(x^{4} + 1))$$

Sequence: A166075
Score: 10.4742
Type of gen. func.: ogf

$$-(30 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166075
Score: 4.38456
Type of gen. func.: ogf

$$\frac{31 x^{9} + x^{8} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{8} - 60 x^{5} + 2 x^{4} - 60 x^{3} + 2 x^{2} - 60 x + 2}$$

Sequence: A166076
Score: 12.9061
Type of gen. func.: revogf

$$\frac{(7 - 5 x + (x^{2} - 10 x + 1)^{1/2}) x}{2 (2 x^{2} - 5 x + 4)}$$

Sequence: A166076
Score: 6.38367
Type of gen. func.: lgdogf

$$-\frac{-5 + 46 x + 28 x^{3} + 75 x^{2} + (-(7 x^{2} + 10 x - 1) (5 + 3 x)^{2})^{1/2}}{2 (2 x + 3) (1 + x) (7 x^{2} + 10 x - 1)}$$

Sequence: A166076
Score: 6.62435
Type of gen. func.: ogf

$$-2 f(x)^2 x^2 - 5 f(x)^2 x - 3 f(x)^2 + 5 f(x) x + 7 f(x) - 4$$

Sequence: A166078
Score: 12.8450
Type of gen. func.: revogf

$$\frac{(3 + 3 x + (x^2 + 6 x + 1)^{1/2}) x}{2 (2 x^2 + 3 x + 2)}$$

Sequence: A166078
Score: 6.11415
Type of gen. func.: ogf

$$2 f(x)^2 x^2 - 3 f(x)^2 x + f(x)^2 + 3 f(x) x - 3 f(x) + 2$$

Sequence: A166078
Score: 8.62723
Type of gen. func.: lgdogf

$$- \frac{28 x^2 - 17 x - 3 + 3 (-(7 x + 1) (x - 1))^{1/2}}{2 (7 x + 1) (2 x - 1) (x - 1)}$$

Sequence: A166106
Score: 12.1105
Type of gen. func.: lgdogf

$$\frac{(x^2 - x - 1) (x^4 + 4 x^3 + 4 x^2 + 1)}{(x^2 + x - 1) (x^5 + 3 x^4 + 2 x^3 - x^2 - x + 1)}$$

Sequence: A166106
Score: 8.22694
Type of gen. func.: ogf

$$\frac{x (x^5 + 3 x^4 + 2 x^3 - x^2 - x + 1)}{}$$

$$(x^2 + x - 1)^2$$

Sequence: A166112
Score: 7.30814
Type of gen. func.: ogf

$$\frac{9 x^8 + 29 x^7 + 45 x^6 + x^5 + 3 x^4 + 6 x^3 + 5 x^2 + 22 x + 16}{(1 + x) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A166114
Score: 10.4741
Type of gen. func.: ogf

$$-4 f(x) x^2 + 3 f(x) x + f(x) - 5 x - 1$$

Sequence: A166117
Score: 12.0878
Type of gen. func.: ogf

$$- \frac{x (1 + x)}{x^3 - 2 x^2 + x - 1}$$

Sequence: A166117
Score: 19.0333
Type of gen. func.: lgdogf

$$- \frac{2 x^3 + x^2 - 4 x + 2}{(1 + x) (x^3 - 2 x^2 + x - 1)}$$

Sequence: A166117
Score: 6.20725
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) + 2 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A166117
Score: 8.10595
Type of gen. func.: ogf

$$f(x)\,x^3 - 2\,f(x)\,x^2 + f(x)\,x + x^2 - f(x) + x$$

Sequence: A166118
Score: 14.6327
Type of gen. func.: ogf

$$\frac{2\,x + 15}{(2\,x - 1)\,(x - 1)}$$

Sequence: A166118
Score: 15.7089
Type of gen. func.: revogf

$$-\frac{-15 - 3\,x + (x^2 + 98\,x + 225)^{1/2}}{4\,(x - 1)}$$

Sequence: A166118
Score: 16.4944
Type of gen. func.: lgdogf

$$-\frac{4\,x^2 + 60\,x - 47}{(2\,x + 15)\,(x - 1)\,(2\,x - 1)}$$

Sequence: A166118
Score: 7.56298
Type of gen. func.: ogf

$$(81\,f(x) + 994)\,(2\,f(x)\,x^2 - 3\,f(x)\,x + f(x) - 2\,x - 15)$$

Sequence: A166118
Score: 8.01314
Type of gen. func.: ogf

$$\{-a(n+2) + 3\,a(n+1) - 2\,a(n),\ a(0) = 15,\ a(1) = 47\}$$

Sequence: A166122
Score: 12.5702
Type of gen. func.: ogf

$$-\frac{1 + 6x}{(5x+1)(x-1)}$$

Sequence: A166122
Score: 13.9097
Type of gen. func.: revogf

$$\frac{-1 + 4x + (36x^2 + 16x + 1)^{1/2}}{2(6 + 5x)}$$

Sequence: A166122
Score: 14.9797
Type of gen. func.: lgdogf

$$-\frac{2(15x^2 + 5x + 1)}{(x-1)(5x+1)(1+6x)}$$

Sequence: A166122
Score: 6.50185
Type of gen. func.: ogf

$$(29 f(x) - 62)(5 f(x) x^2 - 4 f(x) x - f(x) + 6x + 1)$$

Sequence: A166122
Score: 6.89829
Type of gen. func.: ogf

$$\{-a(n+2) - 4\,a(n+1) + 5\,a(n),\ a(0) = 1,\ a(1) = 2\}$$

Sequence: A166128
Score: 10.4742
Type of gen. func.: ogf

$$-(31 f(x) x - f(x) + x + 1)^2$$

Sequence: A166128
Score: 4.38456
Type of gen. func.: ogf

$$\frac{32 x^9 + x^8 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{x^8 - 62 x^5 + 2 x^4 - 62 x^3 + 2 x^2 - 62 x + 2}$$

Sequence: A166129
Score: 10.8336
Type of gen. func.: ogf

$$-(32 f(x) x - f(x) + x + 1)^2$$

Sequence: A166129
Score: 4.53501
Type of gen. func.: ogf

$$\frac{33 x^9 + x^8 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{x^8 - 64 x^5 + 2 x^4 - 64 x^3 + 2 x^2 - 64 x + 2}$$

Sequence: A166130
Score: 10.8336
Type of gen. func.: ogf

$$-(33 f(x) x - f(x) + x + 1)^2$$

Sequence: A166130
Score: 4.53501
Type of gen. func.: ogf

$$\frac{34 x^{9} + x^{8} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{8} - 66 x^{5} + 2 x^{4} - 66 x^{3} + 2 x^{2} - 66 x + 2}$$

Sequence: A166132
Score: 4.70297
Type of gen. func.: ogf

$\{a(n + 3) - 14 a(n + 2) + 49 a(n + 1) - 36 a(n), a(0) = 1, a(1) = 37,$

$a(2) = 469\}$

Sequence: A166132
Score: 4.82566
Type of gen. func.: ogf

$$(30952 f(x) - 38641) (36 f(x) x^{3} - 49 f(x) x^{2} + 14 f(x) x - f(x) + 23 x + 1)$$

Sequence: A166132
Score: 9.20999
Type of gen. func.: lgdogf

$$- \frac{1656 x^{3} - 1019 x^{2} - 98 x + 37}{(x - 1) (4 x - 1) (9 x - 1) (23 x + 1)}$$

Sequence: A166132
Score: 9.73598
Type of gen. func.: ogf

$$- \frac{23 x + 1}{(x - 1) (4 x - 1) (9 x - 1)}$$

Sequence: A166135
Score: 33.0954
Type of gen. func.: revogf

$$\frac{x (1 + x)}{{}^{2} \qquad {}^{2}}$$

$$(x + x + 1)$$

Sequence: A166136
Score: 13.1920
Type of gen. func.: ogf

$$-\frac{7 x^{2} - 15 x + 9}{(x - 1)^{3}}$$

Sequence: A166136
Score: 21.6784
Type of gen. func.: lgdogf

$$-\frac{7 x^{2} - 16 x + 12}{(x - 1) (7 x^{2} - 15 x + 9)}$$

Sequence: A166136
Score: 6.99066
Type of gen. func.: ogf

$$-(3 f(x) + 13) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 7 x^{2} - f(x) - 15 x + 9)$$

Sequence: A166136
Score: 7.17462
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 9, a(1) = 12, a(2) = 16\}$$

Sequence: A166137
Score: 13.4440
Type of gen. func.: ogf

$$\frac{4 x^{2} - 8 x - 1}{(x - 1)^{3}}$$

Sequence: A166137
Score: 22.3523
Type of gen. func.: lgdogf

$$-\frac{4x^2 - 8x - 11}{(x-1)(4x^2 - 8x - 1)}$$

Sequence: A166137
Score: 7.06967
Type of gen. func.: ogf

$$(113 f(x) - 1337) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 4 x^2 - f(x) + 8 x + 1)$$

Sequence: A166137
Score: 7.19370
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 11, a(2) = 26\}$$

Sequence: A166138
Score: 15.4051
Type of gen. func.: ogf

$$\frac{4x^3 + 5x^2 + 8x + 1}{(x-1)^2 (1+x)^2}$$

Sequence: A166138
Score: 16.1405
Type of gen. func.: lgdogf

$$-\frac{2(2x^4 + 5x^3 + 18x^2 + 7x + 4)}{(x-1)(1+x)(4x^3 + 5x^2 + 8x + 1)}$$

Sequence: A166138
Score: 9.62815
Type of gen. func.: ogf

$$(17 f(x) - 125) (f(x) x^4 - 2 f(x) x^2 - 4 x^3 - 5 x^2 + f(x) - 8 x - 1)$$

Sequence: A166143
Score: 12.5865
Type of gen. func.: ogf

$$\frac{5 x^2 - 10 x - 1}{(x - 1)^3}$$

Sequence: A166143
Score: 20.1352
Type of gen. func.: lgdogf

$$- \frac{5 x^2 - 10 x - 13}{(x - 1) (5 x^2 - 10 x - 1)}$$

Sequence: A166143
Score: 6.66979
Type of gen. func.: ogf

$$(136 f(x) - 1981) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 5 x^2 - f(x) + 10 x + 1)$$

Sequence: A166143
Score: 6.84531
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 13, a(2) = 31}

Sequence: A166144
Score: 12.4938
Type of gen. func.: ogf

2

$$\frac{10 x - 20 x - 1}{(x - 1)^3}$$

Sequence: A166144
Score: 19.2994
Type of gen. func.: lgdogf

$$- \frac{10 x^2 - 20 x - 23}{(x - 1) (10 x^2 - 20 x - 1)}$$

Sequence: A166144
Score: 6.67044
Type of gen. func.: ogf

$$(251 f(x) - 7091) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 10 x^2 - f(x) + 20 x + 1)$$

Sequence: A166144
Score: 6.90449
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 23, a(2) = 56\}$$

Sequence: A166145
Score: 10.8336
Type of gen. func.: ogf

$$-(34 f(x) x - f(x) + x + 1)^2$$

Sequence: A166145
Score: 4.53501
Type of gen. func.: ogf

$$\frac{35 x^9 + x^8 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{x^8 - 68 x^5 + 2 x^4 - 68 x^3 + 2 x^2 - 68 x + 2}$$

Sequence: A166146
Score: 13.0297
Type of gen. func.: ogf

$$\frac{6 x^2 - 12 x - 1}{(x - 1)^3}$$

Sequence: A166146
Score: 7.02472
Type of gen. func.: ogf

$$(53 f(x) - 917) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 6 x^2 - f(x) + 12 x + 1)$$

Sequence: A166146
Score: 7.08634
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 15, a(2) = 36\}$$

Sequence: A166147
Score: 13.1532
Type of gen. func.: ogf

$$\frac{7 x^2 - 14 x - 1}{(x - 1)^3}$$

Sequence: A166147
Score: 21.0575
Type of gen. func.: lgdogf

$$- \frac{7 x^2 - 14 x - 17}{(x - 1) (7 x^2 - 14 x - 1)}$$

Sequence: A166147
Score: 7.09131
Type of gen. func.: ogf

$$(26 f(x) - 521) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 7 x^2 - f(x) + 14 x + 1)$$

Sequence: A166147
Score: 7.15351
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 17, a(2) = 41\}$$

Sequence: A166148
Score: 12.8321
Type of gen. func.: ogf

$$\frac{8 x^2 - 16 x - 1}{(x - 1)^3}$$

Sequence: A166148
Score: 20.5359
Type of gen. func.: lgdogf

$$- \frac{8 x^2 - 16 x - 19}{(x - 1) (8 x^2 - 16 x - 1)}$$

Sequence: A166148
Score: 6.97888
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 19, a(2) = 46\}$$

Sequence: A166148
Score: 7.23959
Type of gen. func.: ogf

$$(205 f(x) - 4669) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 8 x^2 - f(x) + 16 x + 1)$$

Sequence: A166149
Score: 11.7224
Type of gen. func.: ogf

$$\frac{4x-1}{(1+6x)(5x-1)}$$

Sequence: A166149
Score: 12.9583
Type of gen. func.: revogf

$$\frac{-1+x+(121x^2-18x+1)^{1/2}}{4(-2+15x)}$$

Sequence: A166149
Score: 13.2668
Type of gen. func.: lgdogf

$$-\frac{5(24x^2-12x+1)}{(5x-1)(4x-1)(1+6x)}$$

Sequence: A166149
Score: 5.86122
Type of gen. func.: ogf

$$-(79 f(x)-54)(30 f(x) x^2 - f(x) x - f(x) - 4x + 1)$$

Sequence: A166149
Score: 6.49676
Type of gen. func.: ogf

$$\{a(n+2)+a(n+1)-30 a(n), a(0)=1, a(1)=-5\}$$

Sequence: A166150
Score: 12.9549

Type of gen. func.: ogf

$$\frac{9 x^2 - 18 x - 1}{(x - 1)^3}$$

Sequence: A166150
Score: 6.92419
Type of gen. func.: ogf

$$(76 f(x) - 1939) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 9 x^2 - f(x) + 18 x + 1)$$

Sequence: A166150
Score: 7.04566
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 21, a(2) = 51\}$$

Sequence: A166151
Score: 13.4440
Type of gen. func.: ogf

$$\frac{3 x^2 - 6 x - 2}{(x - 1)^3}$$

Sequence: A166151
Score: 22.9909
Type of gen. func.: lgdogf

$$- \frac{3 (x^2 - 2 x - 4)}{(x - 1) (3 x^2 - 6 x - 2)}$$

Sequence: A166151
Score: 7.1937
Type of gen. func.: ogf

$$(37 f(x) - 371) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 3 x^2 - f(x) + 6 x + 2)$$

Sequence: A166151
Score: 7.19370
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2, a(1) = 12, a(2) = 27\}$$

Sequence: A166152
Score: 11.2657
Type of gen. func.: ogf

$$\frac{5 x - 1}{(7 x + 1) (-1 + 6 x)}$$

Sequence: A166152
Score: 12.3940
Type of gen. func.: revogf

$$\frac{-1 + x + (169 x^2 - 22 x + 1)^{1/2}}{2 (-5 + 42 x)}$$

Sequence: A166152
Score: 12.6891
Type of gen. func.: lgdogf

$$- \frac{6 (35 x^2 - 14 x + 1)}{(-1 + 6 x) (7 x + 1) (5 x - 1)}$$

Sequence: A166152
Score: 5.63284
Type of gen. func.: ogf

$$-(53 f(x) - 35) (42 f(x) x^2 - f(x) x - f(x) - 5 x + 1)$$

Sequence: A166152
Score: 6.24363
Type of gen. func.: ogf

$$\{a(n+2)+a(n+1)-42\,a(n),\ a(0)=1,\ a(1)=-6\}$$

Sequence: A166153
Score: 11.9058
Type of gen. func.: ogf

$$\frac{-1+6\,x}{(8\,x+1)\,(7\,x-1)}$$

Sequence: A166153
Score: 13.0788
Type of gen. func.: lgdogf

$$-\frac{7\,(12\,x-1)\,(4\,x-1)}{(-1+6\,x)\,(8\,x+1)\,(7\,x-1)}$$

Sequence: A166153
Score: 13.0788
Type of gen. func.: revogf

$$\frac{-1+x+(225\,x^{2}-26\,x+1)^{1/2}}{4\,(-3+28\,x)}$$

Sequence: A166153
Score: 5.88888
Type of gen. func.: ogf

$$-(137\,f(x)-88)\,(56\,f(x)\,x^{2}-f(x)\,x-f(x)-6\,x+1)$$

Sequence: A166153
Score: 6.59839
Type of gen. func.: ogf

$$\{a(n+2)+a(n+1)-56\,a(n),\ a(0)=1,\ a(1)=-7\}$$

Sequence: A166154
Score: 13.0915
Type of gen. func.: ogf

$$\frac{5 x^2 - 10 x - 2}{(x - 1)^3}$$

Sequence: A166154
Score: 20.9568
Type of gen. func.: lgdogf

$$- \frac{5 x^2 - 10 x - 16}{(x - 1) (5 x^2 - 10 x - 2)}$$

Sequence: A166154
Score: 6.93737
Type of gen. func.: ogf

$$(157 f(x) - 2429) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 5 x^2 - f(x) + 10 x + 2)$$

Sequence: A166154
Score: 7.11993
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2, a(1) = 16, a(2) = 37\}$$

Sequence: A166157
Score: 10.9960
Type of gen. func.: ogf

$$\frac{7 x - 1}{(9 x + 1) (8 x - 1)}$$

Sequence: A166157
Score: 12.0992

Type of gen. func.: revogf

$$\frac{-1 + x + (289 x^2 - 30 x + 1)^{1/2}}{2 (-7 + 72 x)}$$

Sequence: A166157
Score: 12.3873
Type of gen. func.: lgdogf

$$- \frac{8 (63 x^2 - 18 x + 1)}{(9 x + 1) (8 x - 1) (7 x - 1)}$$

Sequence: A166157
Score: 5.49799
Type of gen. func.: ogf

$$-(43 f(x) - 27) (72 f(x) x^2 - f(x) x - f(x) - 7 x + 1)$$

Sequence: A166157
Score: 6.09416
Type of gen. func.: ogf

$$\{a(n + 2) + a(n + 1) - 72 a(n), a(0) = 1, a(1) = -8\}$$

Sequence: A166165
Score: 10.9363
Type of gen. func.: ogf

$$-(35 f(x) x - f(x) + x + 1)^2$$

Sequence: A166165
Score: 4.57800
Type of gen. func.: ogf

$$\frac{36 x^9 + x^8 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{x^8 - 70 x^5 + 2 x^4 - 70 x^3 + 2 x^2 - 70 x + 2}$$

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------------------------------------------------------------------------------

Sequence:  A166167
Score: 9.52832
Type of gen. func.: ogf


                                                    2
                          -(36 f(x) x - f(x) + x + 1)



------------------------------------------------------------------------------

Sequence:  A166170
Score: 9.52832
Type of gen. func.: ogf


                                                    2
                          -(37 f(x) x - f(x) + x + 1)



------------------------------------------------------------------------------

Sequence:  A166171
Score: 9.62862
Type of gen. func.: ogf


                                                    2
                          -(38 f(x) x - f(x) + x + 1)



------------------------------------------------------------------------------

Sequence:  A166172
Score: 9.67877
Type of gen. func.: ogf


                                                    2
                          -(39 f(x) x - f(x) + x + 1)



------------------------------------------------------------------------------

Sequence:  A166189
Score: 14.9657
Type of gen. func.: lgdogf


                                 3       2
                              6 x  + 13 x  + 16 x + 7
                         - ----------------------------
                                                2
                           (x - 1) (1 + x) (x  + x + 1)



------------------------------------------------------------------------------

Sequence:  A166189
Score: 26.6478
Type of gen. func.: ogf_with_Euler_transform]
```

$$-x^2 + x + 7$$

Sequence: A166189
Score: 6.93148
Type of gen. func.: ogf

$$-\frac{x^2 + x + 1}{(1 + x)\,(x - 1)^7}$$

Sequence: A166190
Score: 5.22408
Type of gen. func.: lgdogf

$$-\frac{216\,x^7 + 1035\,x^6 + 2490\,x^5 + 3220\,x^4 + 2488\,x^3 + 1086\,x^2 + 246\,x + 21}{(x - 1)\,(1 + x)\,(27\,x^6 + 91\,x^5 + 160\,x^4 + 135\,x^3 + 64\,x^2 + 13\,x + 1)}$$

Sequence: A166212
Score: 4.90543
Type of gen. func.: ogf

$$-\frac{3\,x^6 + x^5 + x^4 + 3\,x^3 + x^2 + x + 1}{(1 + x)\,(x^2 - x + 1)\,(x^2 + x + 1)^3\,(x - 1)^5}$$

Sequence: A166213
Score: 5.73778
Type of gen. func.: ogf

$$\frac{3\,x^4 + 4\,x^3 + 3\,x^2 + 2\,x + 1}{(x^2 + x + 1)^2\,(1 + x)^2\,(x - 1)^6}$$

Sequence: A166213
Score: 7.58103

Type of gen. func.: lgdogf

$$-\frac{2 (12 x^7 + 33 x^6 + 49 x^5 + 54 x^4 + 47 x^3 + 27 x^2 + 10 x + 2)}{(x - 1) (1 + x) (x^2 + x + 1) (3 x^4 + 4 x^3 + 3 x^2 + 2 x + 1)}$$

Sequence: A166225
Score: 9.77907
Type of gen. func.: ogf

$$-(40 f(x) x - f(x) + x + 1)^2$$

Sequence: A166228
Score: 15.6775
Type of gen. func.: revogf

$$\frac{-1 - 2 x^2 + (8 x^2 + 1)^{1/2}}{2 x (1 + x)}$$

Sequence: A166228
Score: 6.40301
Type of gen. func.: ogf

$$f(x)^2 x^3 + 2 f(x)^2 x^2 + f(x)^2 x + f(x) x^2 - f(x) + 1$$

Sequence: A166228
Score: 7.17763
Type of gen. func.: lgdogf

$$-\frac{-x^2 - 2 x - 1 + (x^2 - 6 x + 1)^{1/2} + 3 (x^2 - 6 x + 1)^{1/2} x}{2 x (x^2 - 6 x + 1)^{1/2} (1 + x)}$$

Sequence: A166229
Score: 10.7905
Type of gen. func.: lgdogf

$$\frac{(8 x^2 - 8 x + 1)^{1/2} - 1}{2 (8 x^2 - 8 x + 1)^{1/2} (x - 1) x}$$

Sequence: A166229
Score: 23.7392
Type of gen. func.: revogf

$$1/2 + x - \frac{(8 x^2 + 1)^{1/2}}{2}$$

Sequence: A166229
Score: 4.92556
Type of gen. func.: ogf

$$\{8 a(n) n + (-8 n - 12) a(n + 1) + (n + 3) a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A166229
Score: 9.61658
Type of gen. func.: ogf

$$-f(x)^2 x - 2 f(x) x + f(x) + x - 1$$

Sequence: A166230
Score: 9.77907
Type of gen. func.: ogf

$$-(41 f(x) x - f(x) + x + 1)^2$$

Sequence: A166233
Score: 9.82922
Type of gen. func.: ogf

$$-(42 f(x) x - f(x) + x + 1)^2$$

Sequence: A166249
Score: 10.6302
Type of gen. func.: ogf

$$-\frac{3 x^3 - 2 x^2 - x + 1}{(2 x - 1) (1 + x) (x^2 - x + 1)}$$

Sequence: A166249
Score: 5.96328
Type of gen. func.: ogf

$$-(f(x) - 2) (2 f(x) x^4 - f(x) x^3 + 3 x^3 + 2 f(x) x - 2 x^2 - f(x) - x + 1)$$

Sequence: A166249
Score: 8.81590
Type of gen. func.: lgdogf

$$-\frac{6 x^6 - 8 x^5 - 4 x^4 - 2 x^3 + 10 x^2 - 4 x + 1}{(2 x - 1) (1 + x) (x^2 - x + 1) (3 x^3 - 2 x^2 - x + 1)}$$

Sequence: A166254
Score: 9.87937
Type of gen. func.: ogf

$$-(43 f(x) x - f(x) + x + 1)^2$$

Sequence: A166258
Score: 9.97967
Type of gen. func.: ogf

$$-(44 f(x) x - f(x) + x + 1)^2$$

Sequence: A166286
Score: 6.86146
Type of gen. func.: ogf

$$-f(x)^2 x^4 + f(x)^2 x^3 - 2 f(x) x^3 + 2 f(x) x - f(x) - x + 1$$

Sequence: A166289
Score: 6.74938
Type of gen. func.: ogf

$$-f(x)^2 x^3 - f(x) x^3 - f(x) x^2 + f(x) x - x^2 + f(x) - 2 x - 1$$

Sequence: A166297
Score: 7.10651
Type of gen. func.: ogf

$$-f(x)^2 x^3 + f(x) x^4 - f(x) x^2 - x^3 - 2 f(x) x + f(x)$$

Sequence: A166300
Score: 6.25039
Type of gen. func.: ogf

$$-f(x)^2 x^3 - f(x)^2 x^2 - f(x)^2 x + f(x) x^2 + f(x) x + f(x) - 1$$

Sequence: A166303
Score: 9.97967
Type of gen. func.: ogf

$$-(45 f(x) x - f(x) + x + 1)^2$$

Sequence: A166304
Score: 13.6688
Type of gen. func.: ogf

$$\frac{x^3 + 8 x^2 + 5 x + 4}{(x - 1)^2 (1 + x)^2}$$

Sequence: A166304

Score: 15.2999
Type of gen. func.: lgdogf

$$-\frac{x^4 + 16 x^3 + 18 x^2 + 32 x + 5}{(x - 1) (1 + x) (x^3 + 8 x^2 + 5 x + 4)}$$

Sequence: A166304
Score: 8.46165
Type of gen. func.: ogf

$$(152 f(x) + 619) (f(x) x^4 - 2 f(x) x^2 - x^3 - 8 x^2 + f(x) - 5 x - 4)$$

Sequence: A166308
Score: 9.97967
Type of gen. func.: ogf

$$-(46 f(x) x - f(x) + x + 1)^2$$

Sequence: A166313
Score: 10.1803
Type of gen. func.: ogf

$$-(47 f(x) x - f(x) + x + 1)^2$$

Sequence: A166322
Score: 11.1562
Type of gen. func.: lgdogf

$$\frac{7 (5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1)}{(1 + x) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A166322
Score: 24.0342
Type of gen. func.: ogf_with_Euler_transform]

$$[-7 x + 7]$$

Sequence: A166324
Score: 10.1803
Type of gen. func.: ogf

$$-(48 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166325
Score: 10.1803
Type of gen. func.: ogf

$$-(49 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166327
Score: 3.88239
Type of gen. func.: ogf

$$\frac{x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1}{x^{10} - 2 x^{9} + x^{8} - 2 x^{7} + x^{6} - 2 x^{5} + x^{4} - 2 x^{3} + x^{2} - 2 x + 1}$$

Sequence: A166334
Score: 4.74127
Type of gen. func.: ogf

$$\{(27 n^{2} + 81 n + 60) a(n + 1) - 2 a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A166336
Score: 6.89345
Type of gen. func.: ogf

$$-\frac{x^{4} - 4 x^{3} + 7 x^{2} - 4 x + 1}{(x - 1) (x^{2} - 3 x + 1)^{2}}$$

Sequence: A166336
Score: 7.82739
Type of gen. func.: lgdogf

$$- \frac{x^6 - 5 x^5 + 16 x^4 - 27 x^3 + 22 x^2 - 11 x + 3}{(x - 1) (x^2 - 3 x + 1) (x^4 - 4 x^3 + 7 x^2 - 4 x + 1)}$$

Sequence: A166356
Score: 2.72102
Type of gen. func.: ogf

$$\{(16 n^3 + 8 n^2 - 8 n) a(n) + (4 n^3 + 18 n^2 + 20 n + 8) a(n + 1)$$
$$+ (-n - 2) a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A166364
Score: 11.606
Type of gen. func.: ogf

$$-(5 f(x) x - f(x) + x + 1)^2$$

Sequence: A166365
Score: 11.4313
Type of gen. func.: ogf

$$-(6 f(x) x - f(x) + x + 1)^2$$

Sequence: A166366
Score: 11.022
Type of gen. func.: ogf

$$-(7 f(x) x - f(x) + x + 1)^2$$

Sequence: A166367
Score: 11.5873
Type of gen. func.: ogf

$$-(8 f(x) x - f(x) + x + 1)^2$$

Sequence: A166368
Score: 10.8333
Type of gen. func.: ogf

$$-(9 f(x) x - f(x) + x + 1)^2$$

Sequence: A166369
Score: 10.2769
Type of gen. func.: ogf

$$-(10 f(x) x - f(x) + x + 1)^2$$

Sequence: A166372
Score: 10.2769
Type of gen. func.: ogf

$$-(11 f(x) x - f(x) + x + 1)^2$$

Sequence: A166377
Score: 3.85752
Type of gen. func.: ogf

$$\frac{13 x^{10} + x^9 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{x^9 - 24 x^5 + 2 x^4 - 24 x^3 + 2 x^2 - 24 x + 2}$$

Sequence: A166377
Score: 9.28664
Type of gen. func.: ogf

$$-(12 f(x) x - f(x) + x + 1)^2$$

Sequence: A166379

Score: 3.94470
Type of gen. func.: ogf

$$\frac{14 x^{10} + x^9 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{x^9 - 26 x^5 + 2 x^4 - 26 x^3 + 2 x^2 - 26 x + 2}$$

Sequence: A166379
Score: 9.49651
Type of gen. func.: ogf

$$-(13 f(x) x - f(x) + x + 1)^2$$

Sequence: A166382
Score: 4.05367
Type of gen. func.: ogf

$$\frac{15 x^{10} + x^9 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{x^9 - 28 x^5 + 2 x^4 - 28 x^3 + 2 x^2 - 28 x + 2}$$

Sequence: A166382
Score: 9.75885
Type of gen. func.: ogf

$$-(14 f(x) x - f(x) + x + 1)^2$$

Sequence: A166410
Score: 4.11905
Type of gen. func.: ogf

$$\frac{16 x^{10} + x^9 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{x^9 - 30 x^5 + 2 x^4 - 30 x^3 + 2 x^2 - 30 x + 2}$$

Sequence: A166410
Score: 9.91625
Type of gen. func.: ogf

$$-(15 f(x) x - f(x) + x + 1)^2$$

Sequence: A166411
Score: 10.1786
Type of gen. func.: ogf

$$-(16 f(x) x - f(x) + x + 1)^2$$

Sequence: A166411
Score: 4.22802
Type of gen. func.: ogf

$$\frac{17 x^{10} + x^9 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{x^9 - 32 x^5 + 2 x^4 - 32 x^3 + 2 x^2 - 32 x + 2}$$

Sequence: A166412
Score: 10.336
Type of gen. func.: ogf

$$-(17 f(x) x - f(x) + x + 1)^2$$

Sequence: A166412
Score: 4.29340
Type of gen. func.: ogf

$$\frac{18 x^{10} + x^9 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{x^9 - 34 x^5 + 2 x^4 - 34 x^3 + 2 x^2 - 34 x + 2}$$

Sequence: A166413
Score: 3.81765
Type of gen. func.: ogf

$$\frac{19 x^{10} + x^9 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{}$$

$$x^{9} - 36 x^{5} + 2 x^{4} - 36 x^{3} + 2 x^{2} - 36 x + 2$$

Sequence: A166413
Score: 9.19062
Type of gen. func.: ogf

$$-(18 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166414
Score: 3.86030
Type of gen. func.: ogf

$$\frac{20 x^{10} + x^{9} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{9} - 38 x^{5} + 2 x^{4} - 38 x^{3} + 2 x^{2} - 38 x + 2}$$

Sequence: A166414
Score: 9.29331
Type of gen. func.: ogf

$$-(19 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166415
Score: 3.92428
Type of gen. func.: ogf

$$\frac{21 x^{10} + x^{9} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{9} - 40 x^{5} + 2 x^{4} - 40 x^{3} + 2 x^{2} - 40 x + 2}$$

Sequence: A166415
Score: 9.44734
Type of gen. func.: ogf

$$-(20 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166416
Score: 3.94561
Type of gen. func.: ogf

$$\frac{22 x^{10} + x^{9} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{9} - 42 x^{5} + 2 x^{4} - 42 x^{3} + 2 x^{2} - 42 x + 2}$$

Sequence: A166416
Score: 9.49868
Type of gen. func.: ogf

$$-(21 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166417
Score: 4.05225
Type of gen. func.: ogf

$$\frac{23 x^{10} + x^{9} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{9} - 44 x^{5} + 2 x^{4} - 44 x^{3} + 2 x^{2} - 44 x + 2}$$

Sequence: A166417
Score: 9.7554
Type of gen. func.: ogf

$$-(22 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166418
Score: 4.07358
Type of gen. func.: ogf

$$\frac{24 x^{10} + x^{9} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{9} - 46 x^{5} + 2 x^{4} - 46 x^{3} + 2 x^{2} - 46 x + 2}$$

Sequence: A166418
Score: 9.80675
Type of gen. func.: ogf

$$-(23 f(x) x - f(x) + x + 1)^2$$

Sequence: A166419
Score: 4.11623
Type of gen. func.: ogf

$$\frac{25 x^{10} + x^{9} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{9} - 48 x^{5} + 2 x^{4} - 48 x^{3} + 2 x^{2} - 48 x + 2}$$

Sequence: A166419
Score: 9.90944
Type of gen. func.: ogf

$$-(24 f(x) x - f(x) + x + 1)^2$$

Sequence: A166420
Score: 10.0121
Type of gen. func.: ogf

$$-(25 f(x) x - f(x) + x + 1)^2$$

Sequence: A166420
Score: 4.15888
Type of gen. func.: ogf

$$\frac{26 x^{10} + x^{9} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{9} - 50 x^{5} + 2 x^{4} - 50 x^{3} + 2 x^{2} - 50 x + 2}$$

Sequence: A166421
Score: 10.1148
Type of gen. func.: ogf

$$-(26 f(x) x - f(x) + x + 1)^2$$

Sequence: A166421
Score: 4.20154
Type of gen. func.: ogf

$$\frac{27 x^{10} + x^9 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{x^9 - 52 x^5 + 2 x^4 - 52 x^3 + 2 x^2 - 52 x + 2}$$

Sequence: A166422
Score: 10.2688
Type of gen. func.: ogf

$$-(27 f(x) x - f(x) + x + 1)^2$$

Sequence: A166422
Score: 4.26552
Type of gen. func.: ogf

$$\frac{28 x^{10} + x^9 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{x^9 - 54 x^5 + 2 x^4 - 54 x^3 + 2 x^2 - 54 x + 2}$$

Sequence: A166423
Score: 10.3202
Type of gen. func.: ogf

$$-(28 f(x) x - f(x) + x + 1)^2$$

Sequence: A166423
Score: 4.28685
Type of gen. func.: ogf

$$\frac{29 x^{10} + x^9 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{x^9 - 56 x^5 + 2 x^4 - 56 x^3 + 2 x^2 - 56 x + 2}$$

Sequence: A166424
Score: 10.4229
Type of gen. func.: ogf

$$-(29 f(x) x - f(x) + x + 1)^2$$

Sequence: A166424
Score: 4.32951
Type of gen. func.: ogf

$$\frac{30 x^{10} + x^9 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{x^9 - 58 x^5 + 2 x^4 - 58 x^3 + 2 x^2 - 58 x + 2}$$

Sequence: A166425
Score: 10.4742
Type of gen. func.: ogf

$$-(30 f(x) x - f(x) + x + 1)^2$$

Sequence: A166425
Score: 4.35083
Type of gen. func.: ogf

$$\frac{31 x^{10} + x^9 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{x^9 - 60 x^5 + 2 x^4 - 60 x^3 + 2 x^2 - 60 x + 2}$$

Sequence: A166426
Score: 10.4742
Type of gen. func.: ogf

$$-(31 f(x) x - f(x) + x + 1)^2$$

Sequence: A166426
Score: 4.35083
Type of gen. func.: ogf

$$\frac{32 x^{10} + x^{9} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{9} - 62 x^{5} + 2 x^{4} - 62 x^{3} + 2 x^{2} - 62 x + 2}$$

Sequence: A166427
Score: 10.8336
Type of gen. func.: ogf

$$-(32 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166427
Score: 4.50012
Type of gen. func.: ogf

$$\frac{33 x^{10} + x^{9} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{9} - 64 x^{5} + 2 x^{4} - 64 x^{3} + 2 x^{2} - 64 x + 2}$$

Sequence: A166428
Score: 10.8336
Type of gen. func.: ogf

$$-(33 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166428
Score: 4.50012
Type of gen. func.: ogf

$$\frac{34 x^{10} + x^{9} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{9} - 66 x^{5} + 2 x^{4} - 66 x^{3} + 2 x^{2} - 66 x + 2}$$

Sequence: A166429
Score: 10.8336

Type of gen. func.: ogf

$$-(34 f(x) x - f(x) + x + 1)^2$$

Sequence: A166429
Score: 4.50012
Type of gen. func.: ogf

$$\frac{35 x^{10} + x^9 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{x^9 - 68 x^5 + 2 x^4 - 68 x^3 + 2 x^2 - 68 x + 2}$$

Sequence: A166430
Score: 10.9363
Type of gen. func.: ogf

$$-(35 f(x) x - f(x) + x + 1)^2$$

Sequence: A166430
Score: 4.54278
Type of gen. func.: ogf

$$\frac{36 x^{10} + x^9 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{x^9 - 70 x^5 + 2 x^4 - 70 x^3 + 2 x^2 - 70 x + 2}$$

Sequence: A166431
Score: 5.30443
Type of gen. func.: ogf

$$\frac{37 x^{10} + x^9 + 2 x^3 + 2 x^2 + 2 x + 2}{x^9 - 72 x^3 + 2 x^2 - 72 x + 2}$$

Sequence: A166431
Score: 9.52832
Type of gen. func.: ogf

$$-(36 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166432
Score: 5.30443
Type of gen. func.: ogf

$$\frac{38 x^{10} + x^{9} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{9} - 74 x^{3} + 2 x^{2} - 74 x + 2}$$

Sequence: A166432
Score: 9.52832
Type of gen. func.: ogf

$$-(37 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166433
Score: 5.36027
Type of gen. func.: ogf

$$\frac{39 x^{10} + x^{9} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{9} - 76 x^{3} + 2 x^{2} - 76 x + 2}$$

Sequence: A166433
Score: 9.62862
Type of gen. func.: ogf

$$-(38 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166434
Score: 5.38819
Type of gen. func.: ogf

```
    10    9      3      2
40 x   + x  + 2 x  + 2 x  + 2 x + 2
-----------------------------------
    9       3      2
```

$$x - 78 x + 2 x - 78 x + 2$$

Sequence: A166434
Score: 9.67877
Type of gen. func.: ogf

$$-(39 f(x) x - f(x) + x + 1)^2$$

Sequence: A166435
Score: 5.44402
Type of gen. func.: ogf

$$\frac{41 x^{10} + x^9 + 2 x^3 + 2 x^2 + 2 x + 2}{x^9 - 80 x^3 + 2 x^2 - 80 x + 2}$$

Sequence: A166435
Score: 9.77907
Type of gen. func.: ogf

$$-(40 f(x) x - f(x) + x + 1)^2$$

Sequence: A166436
Score: 5.44402
Type of gen. func.: ogf

$$\frac{42 x^{10} + x^9 + 2 x^3 + 2 x^2 + 2 x + 2}{x^9 - 82 x^3 + 2 x^2 - 82 x + 2}$$

Sequence: A166436
Score: 9.77907
Type of gen. func.: ogf

$$-(41 f(x) x - f(x) + x + 1)^2$$

Sequence: A166437
Score: 5.47194
Type of gen. func.: ogf

$$\frac{43 x^{10} + x^{9} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{9} - 84 x^{3} + 2 x^{2} - 84 x + 2}$$

Sequence: A166437
Score: 9.82922
Type of gen. func.: ogf

$$-(42 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166438
Score: 5.49986
Type of gen. func.: ogf

$$\frac{44 x^{10} + x^{9} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{9} - 86 x^{3} + 2 x^{2} - 86 x + 2}$$

Sequence: A166438
Score: 9.87937
Type of gen. func.: ogf

$$-(43 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166439
Score: 5.55569
Type of gen. func.: ogf

$$\frac{45 x^{10} + x^{9} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{9} - 88 x^{3} + 2 x^{2} - 88 x + 2}$$

Sequence: A166439

Score: 9.97967
Type of gen. func.: ogf

$$-(44 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166440
Score: 5.55569
Type of gen. func.: ogf

$$\frac{46 x^{10} + x^{9} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{9} - 90 x^{3} + 2 x^{2} - 90 x + 2}$$

Sequence: A166440
Score: 9.97967
Type of gen. func.: ogf

$$-(45 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166441
Score: 5.55569
Type of gen. func.: ogf

$$\frac{47 x^{10} + x^{9} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{9} - 92 x^{3} + 2 x^{2} - 92 x + 2}$$

Sequence: A166441
Score: 9.97967
Type of gen. func.: ogf

$$-(46 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166442
Score: 10.1803
Type of gen. func.: ogf

2

$$-(47 f(x) x - f(x) + x + 1)$$

Sequence: A166442
Score: 5.66736
Type of gen. func.: ogf

$$\frac{48 x^{10} + x^{9} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{9} - 94 x^{3} + 2 x^{2} - 94 x + 2}$$

Sequence: A166443
Score: 10.1803
Type of gen. func.: ogf

$$-(48 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166443
Score: 5.66736
Type of gen. func.: ogf

$$\frac{49 x^{10} + x^{9} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{9} - 96 x^{3} + 2 x^{2} - 96 x + 2}$$

Sequence: A166444
Score: 12.1412
Type of gen. func.: ogf

$$-f(x) (2 f(x) x - x^{2} - f(x) + x)$$

Sequence: A166444
Score: 17.6318
Type of gen. func.: ogf

$$\frac{x (x - 1)}{2 x - 1}$$

Sequence: A166444
Score: 28.4930
Type of gen. func.: revogf

$$1/2 + x - \frac{(4 x^2 + 1)^{1/2}}{2}$$

Sequence: A166444
Score: 44.5203
Type of gen. func.: lgdogf

$$\frac{1}{(2 x - 1) (x - 1)}$$

Sequence: A166444
Score: 8.70969
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2), a(0) = 0, a(1) = 1, a(2) = 1\}$$

Sequence: A166445
Score: 10.4314
Type of gen. func.: lgdogf

$$- \frac{x (x^5 - 2 x^2 + 7 x - 2)}{(x - 1) (x^2 + 1) (x^4 + x^2 - x + 1)}$$

Sequence: A166445
Score: 7.79864
Type of gen. func.: ogf

$$- \frac{x^4 + x^2 - x + 1}{(x - 1) (x^2 + 1)^2}$$

Sequence: A166446

Score: 11.8253
Type of gen. func.: ogf

$$\frac{1 + x}{x^4 - x^2 + 1}$$

Sequence: A166446
Score: 13.4798
Type of gen. func.: lgdogf

$$- \frac{3 x^4 + 4 x^3 - x^2 - 2 x - 1}{(1 + x) (x^4 - x^2 + 1)}$$

Sequence: A166446
Score: 15.2033
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} - x^5 - x^3 + 1$$

Sequence: A166446
Score: 5.46643
Type of gen. func.: ogf

{-a(n + 4) + a(n + 2) - a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1}

Sequence: A166446
Score: 9.1975
Type of gen. func.: ogf

$$f(x) x^4 - f(x) x^2 + f(x) - x - 1$$

Sequence: A166450
Score: 10.8546
Type of gen. func.: ogf

{a(n + 2) - 3 a(n), a(0) = 1, a(1) = 6}

Sequence: A166450
Score: 16.9437
Type of gen. func.: ogf

$$-\frac{1 + 6 x}{3 x^{2} - 1}$$

Sequence: A166450
Score: 18.9052
Type of gen. func.: revogf

$$\frac{-1 + (12 x^{2} + 24 x + 1)^{1/2}}{6 (2 + x)}$$

Sequence: A166450
Score: 21.2684
Type of gen. func.: lgdogf

$$-\frac{6 (3 x^{2} + x + 1)}{(1 + 6 x) (3 x^{2} - 1)}$$

Sequence: A166450
Score: 9.51634
Type of gen. func.: ogf

$$-(13 f(x) + 10) (3 f(x) x^{2} - f(x) + 6 x + 1)$$

Sequence: A166463
Score: 10.1803
Type of gen. func.: ogf

$$-(49 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166463

Score: 5.66736
Type of gen. func.: ogf

$$\frac{50 x^{10} + x^{9} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{9} - 98 x^{3} + 2 x^{2} - 98 x + 2}$$

Sequence: A166464
Score: 15.7325
Type of gen. func.: lgdogf

$$- \frac{(1 + x) (x^{2} - 12 x - 5)}{(x - 1) (x^{3} - 7 x^{2} - x - 1)}$$

Sequence: A166464
Score: 4.67637
Type of gen. func.: ogf

$(108 f(x) + 461)$

$$(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} + x^{3} - 4 f(x) x - 7 x^{2} + f(x) - x - 1)$$

Sequence: A166464
Score: 8.56322
Type of gen. func.: ogf

$$- \frac{x^{3} - 7 x^{2} - x - 1}{(x - 1)^{4}}$$

Sequence: A166465
Score: 11.3882
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A166465
Score: 17.7768

Type of gen. func.: ogf

$$-\frac{5x+1}{3x^2-1}$$

Sequence: A166465
Score: 18.8059
Type of gen. func.: revogf

$$\frac{-1+(12x^2+20x+1)^{1/2}}{2(5+3x)}$$

Sequence: A166465
Score: 21.6553
Type of gen. func.: lgdogf

$$-\frac{15x^2+6x+5}{(5x+1)(3x^2-1)}$$

Sequence: A166465
Score: 9.9842
Type of gen. func.: ogf

$$-(28 f(x)+19)(3 f(x) x^2 - f(x) + 5x + 1)$$

Sequence: A166474
Score: 22.6308
Type of gen. func.: lgdegf]

$$-\frac{3x^2+6x+4}{(1+x)(x^2-2)}$$

Sequence: A166481
Score: 10.3198
Type of gen. func.: ogf

$$(6 f(x) + 43) (3 f(x) x^2 - f(x) + 7 x + 1)$$

Sequence: A166481
Score: 10.9648
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A166481
Score: 17.1158
Type of gen. func.: ogf

$$-\frac{7 x + 1}{3 x^2 - 1}$$

Sequence: A166481
Score: 18.0958
Type of gen. func.: revogf

$$\frac{-1 + (12 x^2 + 28 x + 1)^{1/2}}{2 (7 + 3 x)}$$

Sequence: A166481
Score: 20.8376
Type of gen. func.: lgdogf

$$-\frac{21 x^2 + 6 x + 7}{(7 x + 1) (3 x^2 - 1)}$$

Sequence: A166482
Score: 4.27567
Type of gen. func.: ogf

$$-(7 f(x) + 29)$$

4 3 2 3 2

$$(f(x)\, x - 7 f(x)\, x + 13 f(x)\, x + x - 7 f(x)\, x - 4 x + f(x) + 4 x - 1)$$

Sequence: A166482
Score: 7.21540
Type of gen. func.: lgdogf

$$-\frac{x^6 - 8 x^5 + 27 x^4 - 46 x^3 + 42 x^2 - 18 x + 3}{(x - 1) (x^2 - 3 x + 1) (x^4 - 7 x^3 + 13 x^2 - 7 x + 1)}$$

Sequence: A166482
Score: 7.83873
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^2 - 3 x + 1)}{x^4 - 7 x^3 + 13 x^2 - 7 x + 1}$$

Sequence: A166486
Score: 10.457
Type of gen. func.: ogf

$$(f(x) + 1) (f(x)\, x^4 + x^3 + x^2 - f(x) + x)$$

Sequence: A166486
Score: 15.5869
Type of gen. func.: ogf

$$-\frac{x (x^2 + x + 1)}{(x - 1) (1 + x) (x^2 + 1)}$$

Sequence: A166486
Score: 16.5650
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 3 x^4 + 4 x^3 + 2 x + 1}{}$$

$$(x - 1) (1 + x) (x^2 + 1) (x^2 + x + 1)$$

Sequence: A166486
Score: 24.9795
Type of gen. func.: ogf_with_Euler_transform]

$$[x^3 - x^2 + 1]$$

Sequence: A166495
Score: 12.4124
Type of gen. func.: ogf

$$-(4 f(x) x - f(x) + x + 1)^2$$

Sequence: A166495
Score: 3.84711
Type of gen. func.: ogf

$$- (10 x^{12} + 5 x^{11} + 5 x^{10} + 5 x^9 + 5 x^8 + 5 x^7 + 5 x^6 + 5 x^5 + 5 x^4 + 5 x^3 + 5 x^2 + 5 x + 1) / (15 x^{10} + 15 x^8 + 15 x^6 + 15 x^4 + 15 x^2 - 1)$$

Sequence: A166500
Score: 11.606
Type of gen. func.: ogf

$$-(5 f(x) x - f(x) + x + 1)^2$$

Sequence: A166514
Score: 11.0480
Type of gen. func.: ogf

$$\frac{x (x^3 - x^2 + x + 1)}{(x^2 + 1) (x - 1)^2 (1 + x)^2}$$

Sequence: A166514
Score: 13.7612
Type of gen. func.: lgdogf

$$-\frac{3x^6-4x^5+7x^4+4x^3+5x^2+1}{(x-1)(1+x)(x^2+1)(x^3-x^2+x+1)}$$

Sequence: A166515
Score: 11.8188
Type of gen. func.: lgdogf

$$-\frac{2(2x^6-2x^5+4x^4+3x^3+3x^2+x+1)}{(x-1)(1+x)(x^2+1)(x^3-x^2+x+1)}$$

Sequence: A166515
Score: 8.22174
Type of gen. func.: ogf

$$-\frac{x(x^3-x^2+x+1)}{(x^2+1)(1+x)^2(x-1)^3}$$

Sequence: A166516
Score: 5.63102
Type of gen. func.: ogf

$$(f(x)-1)(f(x)\,x^4-3f(x)\,x^3+x^3+3f(x)\,x-x^2-f(x)-2x+1)$$

Sequence: A166516
Score: 8.52758
Type of gen. func.: lgdogf

$$-\frac{x^6-2x^5-3x^4+10x^3-3x^2-2x+1}{(x-1)(1+x)(x^2-3x+1)(x^3-x^2-2x+1)}$$

Sequence: A166516
Score: 9.71149
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 - 2x + 1}{(x - 1)(1 + x)(x^2 - 3x + 1)}$$

Sequence: A166517
Score: 15.0242
Type of gen. func.: ogf

$$\frac{2x^2 - x + 2}{(1 + x)(x - 1)^2}$$

Sequence: A166517
Score: 23.6691
Type of gen. func.: lgdogf

$$-\frac{2x^3 + 9x + 1}{(x - 1)(1 + x)(2x^2 - x + 2)}$$

Sequence: A166517
Score: 8.11041
Type of gen. func.: ogf

$$(27 f(x) + 65)(f(x) x^3 - f(x) x^2 - f(x) x - 2 x^2 + f(x) + x - 2)$$

Sequence: A166517
Score: 8.18282
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 1, a(2) = 5\}$$

Sequence: A166518
Score: 11.4313
Type of gen. func.: ogf

$$-(6 f(x) x - f(x) + x + 1)^2$$

Sequence: A166519
Score: 10.2046
Type of gen. func.: ogf

$$-f(x) x^3 + f(x) x^2 + f(x) x + 3 x^2 - f(x) - 2 x + 3$$

Sequence: A166519
Score: 14.8887
Type of gen. func.: ogf

$$\frac{3 x^2 - 2 x + 3}{(1 + x) (x - 1)^2}$$

Sequence: A166519
Score: 18.5707
Type of gen. func.: lgdogf

$$- \frac{3 x^3 - 9 x^2 - 3 x - 7}{(x - 1) (1 + x) (3 x^2 - 6 x - 1)}$$

Sequence: A166519
Score: 8.10904
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 3, a(1) = 1, a(2) = 7\}$$

Sequence: A166520
Score: 14.1405
Type of gen. func.: ogf

$$-\frac{4x^2-8x-1}{(1+x)(x-1)^2}$$

Sequence: A166520
Score: 17.2666
Type of gen. func.: lgdogf

$$-\frac{4x^3-12x^2-3x-9}{(x-1)(1+x)(4x^2-8x-1)}$$

Sequence: A166520
Score: 7.30992
Type of gen. func.: ogf

$$-(43 f(x) + 389) (f(x) x^3 - f(x) x^2 - f(x) x + 4 x^2 + f(x) - 8 x - 1)$$

Sequence: A166520
Score: 7.70152
Type of gen. func.: ogf

{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 9, a(2) = 6}

Sequence: A166521
Score: 13.8019
Type of gen. func.: ogf

$$-\frac{5x^2-10x-1}{(1+x)(x-1)^2}$$

Sequence: A166521
Score: 16.4576
Type of gen. func.: lgdogf

$$-\frac{5x^3-15x^2-3x-11}{}$$

$$(x - 1) (1 + x) (5 x^2 - 10 x - 1)$$

Sequence: A166521
Score: 7.31383
Type of gen. func.: ogf

$$(314 f(x) + 3435) (f(x) x^3 - f(x) x^2 - f(x) x + 5 x^2 + f(x) - 10 x - 1)$$

Sequence: A166521
Score: 7.57272
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 11, a(2) = 7\}$$

Sequence: A166522
Score: 13.7453
Type of gen. func.: ogf

$$- \frac{6 x^2 - 12 x - 1}{(1 + x) (x - 1)^2}$$

Sequence: A166522
Score: 16.3901
Type of gen. func.: lgdogf

$$- \frac{6 x^3 - 18 x^2 - 3 x - 13}{(x - 1) (1 + x) (6 x^2 - 12 x - 1)}$$

Sequence: A166522
Score: 7.22208
Type of gen. func.: ogf

$$(927 f(x) + 11897) (f(x) x^3 - f(x) x^2 - f(x) x + 6 x^2 + f(x) - 12 x - 1)$$

Sequence: A166522
Score: 7.54165
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 13, a(2) = 8\}$$

Sequence: A166523
Score: 14.0083
Type of gen. func.: ogf

$$-\frac{7 x^{2} - 14 x - 1}{(1 + x) (x - 1)^{2}}$$

Sequence: A166523
Score: 16.7099
Type of gen. func.: lgdogf

$$-\frac{7 x^{3} - 21 x^{2} - 3 x - 15}{(x - 1) (1 + x) (7 x^{2} - 14 x - 1)}$$

Sequence: A166523
Score: 7.17781
Type of gen. func.: ogf

$$-(107 f(x) + 1576) (f(x) x^{3} - f(x) x^{2} - f(x) x + 7 x^{2} + f(x) - 14 x - 1)$$

Sequence: A166523
Score: 7.68598
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 15, a(2) = 9\}$$

Sequence: A166524
Score: 13.6290
Type of gen. func.: ogf

2

$$-\frac{8x - 16x - 1}{(1+x)(x-1)^2}$$

Sequence: A166524
Score: 16.2515
Type of gen. func.: lgdogf

$$-\frac{8x^3 - 24x^2 - 3x - 17}{(x-1)(1+x)(8x^2 - 16x - 1)}$$

Sequence: A166524
Score: 7.10082
Type of gen. func.: ogf

$$(1699 f(x) + 28245)(f(x) x^3 - f(x) x^2 - f(x) x + 8x^2 + f(x) - 16x - 1)$$

Sequence: A166524
Score: 7.41225
Type of gen. func.: ogf

$$\{a(n+3) - a(n+2) - a(n+1) + a(n),\ a(0) = 1,\ a(1) = 17,\ a(2) = 10\}$$

Sequence: A166525
Score: 13.4395
Type of gen. func.: ogf

$$-\frac{9x^2 - 18x - 1}{(1+x)(x-1)^2}$$

Sequence: A166525
Score: 16.0225
Type of gen. func.: lgdogf

$$-\frac{9x^3 - 27x^2 - 3x - 19}{{}^{2}}$$

$$(x - 1) (1 + x) (9 x - 18 x - 1)$$

Sequence: A166525
Score: 6.77437
Type of gen. func.: ogf

$$-(1086 f(x) + 20113) (f(x) x^3 - f(x) x^2 - f(x) x + 9 x^2 + f(x) - 18 x - 1)$$

Sequence: A166525
Score: 7.30918
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 19, a(2) = 11\}$$

Sequence: A166526
Score: 13.4178
Type of gen. func.: ogf

$$- \frac{11 x^2 - 22 x - 1}{(1 + x) (x - 1)^2}$$

Sequence: A166526
Score: 15.6457
Type of gen. func.: lgdogf

$$- \frac{11 x^3 - 33 x^2 - 3 x - 23}{(x - 1) (1 + x) (11 x^2 - 22 x - 1)}$$

Sequence: A166526
Score: 6.87255
Type of gen. func.: ogf

$$-(823 f(x) + 18363) (f(x) x^3 - f(x) x^2 - f(x) x + 11 x^2 + f(x) - 22 x - 1)$$

Sequence: A166526
Score: 7.41512
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 23, a(2) = 13\}$$

Sequence: A166536
Score: 10.3554
Type of gen. func.: ogf

$$-\frac{x^3 - 3 x^2 + 1}{(x - 1) (1 + x) (x^2 - 3 x + 1)}$$

Sequence: A166536
Score: 5.4724
Type of gen. func.: ogf

$$-(496 f(x) + 255) (f(x) x^4 - 3 f(x) x^3 + x^3 + 3 f(x) x - 3 x^2 - f(x) + 1)$$

Sequence: A166536
Score: 8.91589
Type of gen. func.: lgdogf

$$-\frac{x^6 - 6 x^5 + 9 x^4 - 2 x^3 + 3 x^2 - 6 x + 3}{(x - 1) (1 + x) (x^2 - 3 x + 1) (x^3 - 3 x^2 + 1)}$$

Sequence: A166538
Score: 11.022
Type of gen. func.: ogf

$$-(7 f(x) x - f(x) + x + 1)^2$$

Sequence: A166538
Score: 3.56199
Type of gen. func.: ogf

11   10   7   6   5   4   3   2

$$\frac{8 x + x + 2 x + 2 x + 2 x + 2 x + 2 x + 2 x + 2 x + 2}{x^{10} - 14 x^{7} + 2 x^{6} - 14 x^{5} + 2 x^{4} - 14 x^{3} + 2 x^{2} - 14 x + 2}$$

Sequence: A166539
Score: 14.1405
Type of gen. func.: ogf

$$-\frac{3 x^{2} - 6 x - 2}{(1 + x) (x - 1)^{2}}$$

Sequence: A166539
Score: 17.6263
Type of gen. func.: lgdogf

$$-\frac{3 x^{3} - 9 x^{2} - 6 x - 8}{(x - 1) (1 + x) (3 x^{2} - 6 x - 2)}$$

Sequence: A166539
Score: 7.18809
Type of gen. func.: ogf

$$-(153 f(x) + 1333) (f(x) x^{3} - f(x) x^{2} - f(x) x + 3 x^{2} + f(x) - 6 x - 2)$$

Sequence: A166539
Score: 7.70152
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 8, a(2) = 7\}$$

Sequence: A166540
Score: 11.3322
Type of gen. func.: lgdogf

$$-\frac{12 (x^{4} + 13 x^{3} - 20 x^{2} + 87 x + 129)}{{}^{4} \quad {}^{3} \quad {}^{2}}$$

$$(x - 1) (4 x + 35 x - 69 x + 197 x + 193)$$

Sequence: A166540
Score: 6.27312
Type of gen. func.: ogf

$$-\frac{x^3 (4 x^4 + 35 x^3 - 69 x^2 + 197 x + 193)}{(x - 1)^7}$$

Sequence: A166541
Score: 11.5873
Type of gen. func.: ogf

$$-(8 f(x) x - f(x) + x + 1)^2$$

Sequence: A166541
Score: 3.74466
Type of gen. func.: ogf

$$\frac{9 x^{11} + x^{10} + 2 x^7 + 2 x^6 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{x^{10} - 16 x^7 + 2 x^6 - 16 x^5 + 2 x^4 - 16 x^3 + 2 x^2 - 16 x + 2}$$

Sequence: A166542
Score: 14.0281
Type of gen. func.: ogf

$$-\frac{2 (2 x^2 - 4 x - 1)}{(1 + x) (x - 1)^2}$$

Sequence: A166542
Score: 17.4862
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 6 x^2 - 3 x - 5}{}$$

$$(x - 1) (1 + x) (2 x^2 - 4 x - 1)$$

Sequence: A166542
Score: 7.5063
Type of gen. func.: ogf

$$(79 f(x) + 834) (f(x) x^3 - f(x) x^2 - f(x) x + 4 x^2 + f(x) - 8 x - 2)$$

Sequence: A166542
Score: 7.57272
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 2, a(1) = 10, a(2) = 8\}$$

Sequence: A166543
Score: 10.8333
Type of gen. func.: ogf

$$-(9 f(x) x - f(x) + x + 1)^2$$

Sequence: A166544
Score: 13.8110
Type of gen. func.: ogf

$$- \frac{5 x^2 - 10 x - 2}{(1 + x) (x - 1)^2}$$

Sequence: A166544
Score: 16.4701
Type of gen. func.: lgdogf

$$- \frac{5 x^3 - 15 x^2 - 6 x - 12}{(x - 1) (1 + x) (5 x^2 - 10 x - 2)}$$

Sequence: A166544
Score: 7.31866
Type of gen. func.: ogf

$$(179 f(x) + 2225) (f(x) x^3 - f(x) x^2 - f(x) x + 5 x^2 + f(x) - 10 x - 2)$$

Sequence: A166544
Score: 7.57773
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 12, a(2) = 9\}$$

Sequence: A166545
Score: 10.9923
Type of gen. func.: ogf

$$-f(x) x^3 + f(x) x^2 + f(x) x - f(x) + 13$$

Sequence: A166545
Score: 20.4143
Type of gen. func.: ogf

$$\frac{13}{(1 + x) (x - 1)^2}$$

Sequence: A166545
Score: 40.6458
Type of gen. func.: ogf_with_Euler_transform]

$$[1 + x]$$

Sequence: A166545
Score: 7.45565
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 13, a(1) = 13, a(2) = 26\}$$

Sequence: A166551
Score: 10.2769
Type of gen. func.: ogf

$$-(10 f(x) x - f(x) + x + 1)^2$$

Sequence: A166551
Score: 4.20417
Type of gen. func.: ogf

$$\frac{11 x^{11} + x^{10} + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{x^{10} - 20 x^5 + 2 x^4 - 20 x^3 + 2 x^2 - 20 x + 2}$$

Sequence: A166552
Score: 11.2771
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A166552
Score: 17.6033
Type of gen. func.: ogf

$$-\frac{4 x + 1}{3 x^2 - 1}$$

Sequence: A166552
Score: 18.6188
Type of gen. func.: revogf

$$\frac{-1 + (12 x^2 + 16 x + 1)^{1/2}}{2 (4 + 3 x)}$$

Sequence: A166552
Score: 20.8093
Type of gen. func.: lgdogf

$$-\frac{2 (6 x^2 + 3 x + 2)}{(4 x + 1) (3 x^2 - 1)}$$

Sequence: A166552
Score: 9.88679
Type of gen. func.: ogf

$$-(19 f(x) + 10) (3 f(x) x^2 - f(x) + 4 x + 1)$$

Sequence: A166557
Score: 10.2769
Type of gen. func.: ogf

$$-(11 f(x) x - f(x) + x + 1)^2$$

Sequence: A166557
Score: 4.20417
Type of gen. func.: ogf

$$\frac{12 x^{11} + x^{10} + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{x^{10} - 22 x^5 + 2 x^4 - 22 x^3 + 2 x^2 - 22 x + 2}$$

Sequence: A166558
Score: 3.79908
Type of gen. func.: ogf

$$\frac{13 x^{11} + x^{10} + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{x^{10} - 24 x^5 + 2 x^4 - 24 x^3 + 2 x^2 - 24 x + 2}$$

Sequence: A166558
Score: 9.28664
Type of gen. func.: ogf

^{2}

$$-(12 f(x) x - f(x) + x + 1)$$

Sequence: A166568
Score: 3.88493
Type of gen. func.: ogf

$$\frac{14 x^{11} + x^{10} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{10} - 26 x^{5} + 2 x^{4} - 26 x^{3} + 2 x^{2} - 26 x + 2}$$

Sequence: A166568
Score: 9.49651
Type of gen. func.: ogf

$$-(13 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166577
Score: 16.7832
Type of gen. func.: ogf

$$\frac{3 x^{2} + 6 x + 1}{2 x + 1}$$

Sequence: A166577
Score: 21.5461
Type of gen. func.: lgdogf

$$\frac{2 (3 x^{2} + 3 x + 2)}{(2 x + 1) (3 x^{2} + 6 x + 1)}$$

Sequence: A166577
Score: 8.99102
Type of gen. func.: ogf

$$\{a(n + 3) + 2 a(n + 2), a(0) = 1, a(1) = 4, a(2) = -5\}$$

Sequence: A166577
Score: 9.56007
Type of gen. func.: ogf

$$-(f(x) - 9) (2 f(x) x - 3 x^2 + f(x) - 6 x - 1)$$

Sequence: A166578
Score: 11.4318
Type of gen. func.: ogf

$$-\frac{x^3 + 3 x^2 - 1}{(2 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A166578
Score: 6.19223
Type of gen. func.: ogf

$$-(15 f(x) - 4) (2 f(x) x^4 - f(x) x^3 + x^3 - 2 f(x) x + 3 x^2 + f(x) - 1)$$

Sequence: A166578
Score: 9.34419
Type of gen. func.: lgdogf

$$-\frac{2 x^6 + 12 x^5 - 3 x^4 - 4 x^3 + 6 x^2 - 6 x + 2}{(x - 1) (2 x - 1) (x^2 + x + 1) (x^3 + 3 x^2 - 1)}$$

Sequence: A166583
Score: 3.99225
Type of gen. func.: ogf

$$\frac{15 x^{11} + x^{10} + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{x^{10} - 28 x^5 + 2 x^4 - 28 x^3 + 2 x^2 - 28 x + 2}$$

Sequence: A166583
Score: 9.75885
Type of gen. func.: ogf

$$-(14 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166584
Score: 4.05664
Type of gen. func.: ogf

$$\frac{16 x^{11} + x^{10} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{10} - 30 x^{5} + 2 x^{4} - 30 x^{3} + 2 x^{2} - 30 x + 2}$$

Sequence: A166584
Score: 9.91625
Type of gen. func.: ogf

$$-(15 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166585
Score: 10.1786
Type of gen. func.: ogf

$$-(16 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166585
Score: 4.16396
Type of gen. func.: ogf

$$\frac{17 x^{11} + x^{10} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{10} - 32 x^{5} + 2 x^{4} - 32 x^{3} + 2 x^{2} - 32 x + 2}$$

Sequence: A166587
Score: 19.5105
Type of gen. func.: revogf

$$- 1/6 + x/2 + \frac{(-3 x^2 + 6 x + 1)^{1/2}}{6}$$

Sequence: A166587
Score: 9.99499
Type of gen. func.: ogf

$$-f(x)^2 x + 3 f(x) x + f(x) - 3 x - 1$$

Sequence: A166588
Score: 15.3840
Type of gen. func.: revogf

$$\frac{-1 + x + 2 x^2 + (-3 x^2 + 6 x + 1)^{1/2}}{2 (x^2 + 2 x + 2)}$$

Sequence: A166588
Score: 3.84174
Type of gen. func.: ogf

$$\{(-4 n - 8) a(n + 1) + (4 n + 8) a(n + 2) + (n + 5) a(n + 3)$$

$$+ (-n - 5) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 2, a(3) = 3\}$$

Sequence: A166588
Score: 6.43573
Type of gen. func.: ogf

$$-f(x)^2 x^3 + 2 f(x)^2 x^2 - f(x)^2 x - 2 f(x) x^2 + f(x) x + f(x) - 2 x - 1$$

Sequence: A166592
Score: 11.8603
Type of gen. func.: ogf

$$\frac{x (x^2 + 3 x + 1)}{x^4 - x^2 + 1}$$

Sequence: A166592
Score: 16.2967
Type of gen. func.: lgdogf

$$-\frac{2x^5+9x^4+4x^3-3x^2-4x-3}{(x^2+3x+1)(x^4-x^2+1)}$$

Sequence: A166592
Score: 7.38242
Type of gen. func.: ogf

$$(6 f(x) + 19) (f(x) x^4 - f(x) x^2 - x^3 - 3 x^2 + f(x) - x)$$

Sequence: A166593
Score: 11.0697
Type of gen. func.: ogf

$$-\frac{x (x^2 + 3 x + 1)}{(x - 1) (x^4 - x^2 + 1)}$$

Sequence: A166593
Score: 14.0605
Type of gen. func.: lgdogf

$$-\frac{3 x^6 + 10 x^5 - 5 x^4 - 10 x^3 - x^2 + 4 x + 4}{(x - 1) (x^2 + 3 x + 1) (x^4 - x^2 + 1)}$$

Sequence: A166598
Score: 11.3094
Type of gen. func.: ogf

$$-f(x) x^3 + f(x) x^2 + f(x) x - f(x) + 5$$

Sequence: A166598
Score: 21.2396
Type of gen. func.: ogf

$$\frac{5}{(1 + x) (x - 1)^2}$$

Sequence: A166598
Score: 41.3045
Type of gen. func.: ogf_with_Euler_transform]

$$[1 + x]$$

Sequence: A166598
Score: 7.70641
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 5, a(1) = 5, a(2) = 10\}$$

Sequence: A166599
Score: 10.336
Type of gen. func.: ogf

$$-(17 f(x) x - f(x) + x + 1)^2$$

Sequence: A166599
Score: 4.22835
Type of gen. func.: ogf

$$\frac{18 x^{11} + x^{10} + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{x^{10} - 34 x^5 + 2 x^4 - 34 x^3 + 2 x^2 - 34 x + 2}$$

Sequence: A166600
Score: 5.01307
Type of gen. func.: ogf

$$\frac{19 x^{11} + x^{10} + 2 x^3 + 2 x^2 + 2 x + 2}{x^{10} - 36 x^3 + 2 x^2 - 36 x + 2}$$

Sequence: A166600
Score: 9.19062
Type of gen. func.: ogf

$$-(18 f(x) x - f(x) + x + 1)^2$$

Sequence: A166601
Score: 5.06908
Type of gen. func.: ogf

$$\frac{20 x^{11} + x^{10} + 2 x^3 + 2 x^2 + 2 x + 2}{x^{10} - 38 x^3 + 2 x^2 - 38 x + 2}$$

Sequence: A166601
Score: 9.29331
Type of gen. func.: ogf

$$-(19 f(x) x - f(x) + x + 1)^2$$

Sequence: A166603
Score: 5.15310
Type of gen. func.: ogf

$$\frac{21 x^{11} + x^{10} + 2 x^3 + 2 x^2 + 2 x + 2}{x^{10} - 40 x^3 + 2 x^2 - 40 x + 2}$$

Sequence: A166603
Score: 9.44734
Type of gen. func.: ogf

$$-(20 f(x) x - f(x) + x + 1)^2$$

Sequence: A166608
Score: 5.18110
Type of gen. func.: ogf

$$\frac{22 x^{11} + x^{10} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{10} - 42 x^{3} + 2 x^{2} - 42 x + 2}$$

Sequence: A166608
Score: 9.49868
Type of gen. func.: ogf

$$-(21 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166610
Score: 5.32113
Type of gen. func.: ogf

$$\frac{23 x^{11} + x^{10} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{10} - 44 x^{3} + 2 x^{2} - 44 x + 2}$$

Sequence: A166610
Score: 9.7554
Type of gen. func.: ogf

$$-(22 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166611
Score: 5.34914
Type of gen. func.: ogf

$$\frac{24 x^{11} + x^{10} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{10} - 46 x^{3} + 2 x^{2} - 46 x + 2}$$

Sequence: A166611
Score: 9.80675
Type of gen. func.: ogf

$$-(23 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166612
Score: 5.40515
Type of gen. func.: ogf

$$\frac{25 x^{11} + x^{10} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{10} - 48 x^{3} + 2 x^{2} - 48 x + 2}$$

Sequence: A166612
Score: 9.90944
Type of gen. func.: ogf

$$-(24 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166613
Score: 10.0121
Type of gen. func.: ogf

$$-(25 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166613
Score: 5.46116
Type of gen. func.: ogf

$$\frac{26 x^{11} + x^{10} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{10} - 50 x^{3} + 2 x^{2} - 50 x + 2}$$

Sequence: A166614
Score: 10.1148

Type of gen. func.: ogf

$$-(26 f(x) x - f(x) + x + 1)^2$$

Sequence: A166614
Score: 5.51717
Type of gen. func.: ogf

$$\frac{27 x^{11} + x^{10} + 2 x^3 + 2 x^2 + 2 x + 2}{x^{10} - 52 x^3 + 2 x^2 - 52 x + 2}$$

Sequence: A166615
Score: 10.2688
Type of gen. func.: ogf

$$-(27 f(x) x - f(x) + x + 1)^2$$

Sequence: A166615
Score: 5.60119
Type of gen. func.: ogf

$$\frac{28 x^{11} + x^{10} + 2 x^3 + 2 x^2 + 2 x + 2}{x^{10} - 54 x^3 + 2 x^2 - 54 x + 2}$$

Sequence: A166616
Score: 10.3202
Type of gen. func.: ogf

$$-(28 f(x) x - f(x) + x + 1)^2$$

Sequence: A166616
Score: 5.62920
Type of gen. func.: ogf

$$29 x^{11} + x^{10} + 2 x^3 + 2 x^2 + 2 x + 2$$

$$\overline{x^{10} - 56 x^3 + 2 x^2 - 56 x + 2}$$

Sequence: A166617
Score: 10.4229
Type of gen. func.: ogf

$$-(29 f(x) x - f(x) + x + 1)^2$$

Sequence: A166617
Score: 5.68521
Type of gen. func.: ogf

$$\frac{30 x^{11} + x^{10} + 2 x^3 + 2 x^2 + 2 x + 2}{x^{10} - 58 x^3 + 2 x^2 - 58 x + 2}$$

Sequence: A166618
Score: 10.4742
Type of gen. func.: ogf

$$-(30 f(x) x - f(x) + x + 1)^2$$

Sequence: A166618
Score: 5.71321
Type of gen. func.: ogf

$$\frac{31 x^{11} + x^{10} + 2 x^3 + 2 x^2 + 2 x + 2}{x^{10} - 60 x^3 + 2 x^2 - 60 x + 2}$$

Sequence: A166621
Score: 13.4395
Type of gen. func.: ogf

$$-\frac{5 (x^2 - 2 x - 1)}{2}$$

$$(1 + x) (x - 1)$$

Sequence: A166621
Score: 18.5715
Type of gen. func.: lgdogf

$$- \frac{x^3 - 3 x^2 - 3 x - 3}{(x - 1) (1 + x) (x^2 - 2 x - 1)}$$

Sequence: A166621
Score: 7.30918
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 5, a(1) = 15, a(2) = 15\}$$

Sequence: A166621
Score: 9.25831
Type of gen. func.: ogf

$$-f(x) x^3 + f(x) x^2 + f(x) x - 5 x^2 - f(x) + 10 x + 5$$

Sequence: A166622
Score: 10.4742
Type of gen. func.: ogf

$$-(31 f(x) x - f(x) + x + 1)^2$$

Sequence: A166622
Score: 5.71321
Type of gen. func.: ogf

$$\frac{32 x^{11} + x^{10} + 2 x^3 + 2 x^2 + 2 x + 2}{x^{10} - 62 x^3 + 2 x^2 - 62 x + 2}$$

Sequence: A166639
Score: 13.7918
Type of gen. func.: ogf

$$\frac{7 x^2 - 2 x + 7}{(1 + x) (x - 1)^2}$$

Sequence: A166639
Score: 15.8692
Type of gen. func.: lgdogf

$$- \frac{7 x^3 - 21 x^2 - 15 x - 19}{(x - 1) (1 + x) (7 x^2 - 14 x - 5)}$$

Sequence: A166639
Score: 7.01082
Type of gen. func.: ogf

$$-(135 f(x) + 1424) (f(x) x^3 - f(x) x^2 - f(x) x - 7 x^2 + f(x) + 2 x - 7)$$

Sequence: A166639
Score: 7.44512
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 7, a(1) = 5, a(2) = 19\}$$

Sequence: A166679
Score: 10.8336
Type of gen. func.: ogf

$$-(32 f(x) x - f(x) + x + 1)^2$$

Sequence: A166679
Score: 5.90925
Type of gen. func.: ogf

11   10   3   2

$$\frac{33 x + x + 2 x + 2 x + 2 x + 2}{x^{10} - 64 x^{3} + 2 x^{2} - 64 x + 2}$$

Sequence: A166682
Score: 10.8336
Type of gen. func.: ogf

$$-(33 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166682
Score: 5.90925
Type of gen. func.: ogf

$$\frac{34 x^{11} + x^{10} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{10} - 66 x^{3} + 2 x^{2} - 66 x + 2}$$

Sequence: A166683
Score: 10.8336
Type of gen. func.: ogf

$$-(34 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166683
Score: 5.90925
Type of gen. func.: ogf

$$\frac{35 x^{11} + x^{10} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{10} - 68 x^{3} + 2 x^{2} - 68 x + 2}$$

Sequence: A166688
Score: 10.9363
Type of gen. func.: ogf

$$-(35 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166688
Score: 5.96527
Type of gen. func.: ogf

$$\frac{36 x^{11} + x^{10} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{10} - 70 x^{3} + 2 x^{2} - 70 x + 2}$$

Sequence: A166689
Score: 5.19727
Type of gen. func.: ogf

$$\frac{37 x^{11} + x^{10} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{10} - 72 x^{3} + 2 x^{2} - 72 x + 2}$$

Sequence: A166689
Score: 9.52832
Type of gen. func.: ogf

$$-(36 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166690
Score: 5.19727
Type of gen. func.: ogf

$$\frac{38 x^{11} + x^{10} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{10} - 74 x^{3} + 2 x^{2} - 74 x + 2}$$

Sequence: A166690
Score: 9.52832
Type of gen. func.: ogf

$$-(37 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166691
Score: 5.25198
Type of gen. func.: ogf

$$\frac{39 x^{11} + x^{10} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{10} - 76 x^{3} + 2 x^{2} - 76 x + 2}$$

Sequence: A166691
Score: 9.62862
Type of gen. func.: ogf

$$-(38 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166693
Score: 5.27933
Type of gen. func.: ogf

$$\frac{40 x^{11} + x^{10} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{10} - 78 x^{3} + 2 x^{2} - 78 x + 2}$$

Sequence: A166693
Score: 9.67877
Type of gen. func.: ogf

$$-(39 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166694
Score: 6.56796
Type of gen. func.: ogf

$$-f(x)^{2} x + f(x) x^{2} - 3 f(x) x - x^{2} + f(x) + 2 x - 1$$

Sequence: A166696
Score: 6.41822
Type of gen. func.: ogf

$$-2 f(x)^{2} x + f(x) x^{2} - 3 f(x) x - x^{2} + f(x) + 2 x - 1$$

Sequence: A166697
Score: 5.76991
Type of gen. func.: ogf

$$-2 f(x)^{2} x^{2} + 2 f(x)^{2} x - f(x) x^{2} + 3 f(x) x - f(x) - x + 1$$

Sequence: A166697
Score: 9.81480
Type of gen. func.: revogf

$$- \frac{-1 - 3 x + 2 x^{2} + (4 x^{4} - 4 x^{3} + 9 x^{2} + 2 x + 1)^{1/2}}{2 (1 + x)}$$

Sequence: A166711
Score: 11.6591
Type of gen. func.: ogf

$$\frac{x (x^{3} - x^{2} + 2 x + 1)}{(x - 1)^{2} (x^{2} + x + 1)^{2}}$$

Sequence: A166711
Score: 13.6143
Type of gen. func.: lgdogf

$$- \frac{3 x^{5} - 4 x^{4} + 10 x^{3} + 9 x^{2} - 2 x + 2}{(x - 1) (x^{2} + x + 1) (x^{3} - x^{2} + 2 x + 1)}$$

Sequence: A166714
Score: 5.33404
Type of gen. func.: ogf

11   10   3   2

$$\frac{41 x + x + 2 x + 2 x + 2 x + 2}{x^{10} - 80 x^{3} + 2 x^{2} - 80 x + 2}$$

Sequence: A166714
Score: 9.77907
Type of gen. func.: ogf

$$-(40 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166716
Score: 5.33404
Type of gen. func.: ogf

$$\frac{42 x^{11} + x^{10} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{10} - 82 x^{3} + 2 x^{2} - 82 x + 2}$$

Sequence: A166716
Score: 9.77907
Type of gen. func.: ogf

$$-(41 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166717
Score: 5.36139
Type of gen. func.: ogf

$$\frac{43 x^{11} + x^{10} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{10} - 84 x^{3} + 2 x^{2} - 84 x + 2}$$

Sequence: A166717
Score: 9.82922
Type of gen. func.: ogf

$$-(42 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166718
Score: 12.0968
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{31}+x^{30}-2\,x^{15}+2}{-x^{31}+x^{15}-1}$$

Sequence: A166723
Score: 5.38875
Type of gen. func.: ogf

$$\frac{44\,x^{11}+x^{10}+2\,x^{3}+2\,x^{2}+2\,x+2}{x^{10}-86\,x^{3}+2\,x^{2}-86\,x+2}$$

Sequence: A166723
Score: 9.87937
Type of gen. func.: ogf

$$-(43\,f(x)\,x-f(x)+x+1)^{2}$$

Sequence: A166725
Score: 10.4453
Type of gen. func.: ogf

$$\frac{25\,x+1}{(25\,x-1)^{2}}$$

Sequence: A166725
Score: 12.2192
Type of gen. func.: revogf

$$-\frac{-1-50\,x+(1+200\,x)^{1/2}}{50\,(25\,x-1)}$$

Sequence: A166725
Score: 16.6996
Type of gen. func.: lgdogf

$$-\frac{25\,(3 + 25\,x)}{(25\,x - 1)\,(25\,x + 1)}$$

Sequence: A166725
Score: 5.95141
Type of gen. func.: ogf

$$\{-a(n + 2) + 50\,a(n + 1) - 625\,a(n),\ a(0) = 1,\ a(1) = 75\}$$

Sequence: A166725
Score: 7.40994
Type of gen. func.: ogf

$$(16\,f(x) + 65)\,(625\,f(x)\,x^2 - 50\,f(x)\,x + f(x) - 25\,x - 1)$$

Sequence: A166726
Score: 6.27275
Type of gen. func.: ogf

$$\frac{2\,x\,(4\,x^9 + 5\,x^8 + 5\,x^7 + 5\,x^6 + 5\,x^5 + 5\,x^4 + 5\,x^3 + 5\,x^2 + 10\,x + 1)}{(x^2 + x + 1)\,(x^6 + x^3 + 1)\,(x - 1)^2}$$

Sequence: A166727
Score: 6.61664
Type of gen. func.: ogf

$$\frac{2\,(3\,x^9 + 5\,x^8 + 5\,x^7 + 5\,x^6 + 5\,x^5 + 5\,x^4 + 5\,x^3 + 5\,x^2 + 10\,x + 2)}{(x^2 + x + 1)\,(x^6 + x^3 + 1)\,(x - 1)^2}$$

Sequence: A166728
Score: 6.61664

Type of gen. func.: ogf

$$\frac{2\,(2\,x^9 + 5\,x^8 + 5\,x^7 + 5\,x^6 + 5\,x^5 + 5\,x^4 + 5\,x^3 + 5\,x^2 + 10\,x + 3)}{(x^2 + x + 1)\,(x^6 + x^3 + 1)\,(x - 1)^2}$$

Sequence: A166729
Score: 6.61664
Type of gen. func.: ogf

$$\frac{2\,(x^9 + 5\,x^8 + 5\,x^7 + 5\,x^6 + 5\,x^5 + 5\,x^4 + 5\,x^3 + 5\,x^2 + 10\,x + 4)}{(x^2 + x + 1)\,(x^6 + x^3 + 1)\,(x - 1)^2}$$

Sequence: A166730
Score: 6.96483
Type of gen. func.: ogf

$$\frac{10\,(x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 2)}{(1 + x)\,(x^2 + 1)\,(x^4 + 1)\,(x - 1)^2}$$

Sequence: A166731
Score: 13.2757
Type of gen. func.: ogf

$$-f(x)\,x^2 + 2\,f(x)\,x - f(x) + 100$$

Sequence: A166731
Score: 23.1376
Type of gen. func.: ogf

$$\frac{100}{(x - 1)^2}$$

Sequence: A166731
Score: 39.7340

Type of gen. func.: revogf

$$\frac{x}{(5 + (25 + x)^{1/2})^{2}}$$

Sequence: A166731
Score: 61.9152
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A166731
Score: 9.41648
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 100, a(1) = 200\}$$

Sequence: A166731
Score: 99.3350
Type of gen. func.: lgdogf

$$- \frac{2}{x - 1}$$

Sequence: A166738
Score: 5.44345
Type of gen. func.: ogf

$$\frac{45 x^{11} + x^{10} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{10} - 88 x^{3} + 2 x^{2} - 88 x + 2}$$

Sequence: A166738
Score: 9.97967
Type of gen. func.: ogf

$$-(44 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166739
Score: 5.44345
Type of gen. func.: ogf

$$\frac{46 x^{11} + x^{10} + 2 x^3 + 2 x^2 + 2 x + 2}{x^{10} - 90 x^3 + 2 x^2 - 90 x + 2}$$

Sequence: A166739
Score: 9.97967
Type of gen. func.: ogf

$$-(45 f(x) x - f(x) + x + 1)^2$$

Sequence: A166740
Score: 5.44345
Type of gen. func.: ogf

$$\frac{47 x^{11} + x^{10} + 2 x^3 + 2 x^2 + 2 x + 2}{x^{10} - 92 x^3 + 2 x^2 - 92 x + 2}$$

Sequence: A166740
Score: 9.97967
Type of gen. func.: ogf

$$-(46 f(x) x - f(x) + x + 1)^2$$

Sequence: A166741
Score: 25.3249
Type of gen. func.: lgdegf]

$$\frac{2}{(-(x - 1) (1 + x))^{1/2}}$$

Sequence: A166748
Score: 24.2247
Type of gen. func.: lgdegf]

$$\frac{6}{(-(x-1)(1+x))^{1/2}}$$

Sequence: A166749
Score: 6.02856
Type of gen. func.: ogf

$$x(320x^9+680x^8+98x^7-428x^6-278x^5-185x^4-149x^3-17x^2+18x+4) \Big/ ((x-1)(1+x)(10x^2-1))$$

Sequence: A166750
Score: 6.01805
Type of gen. func.: ogf

$$\{(-8n^3-36n^2-54n-27)\,a(n+1)+a(n+2),\ a(0)=1,\ a(1)=1\}$$

Sequence: A166752
Score: 11.5580
Type of gen. func.: ogf

$$-\frac{4x^3+2x^2-x-1}{(x-1)(2x+1)(2x-1)(1+x)}$$

Sequence: A166752
Score: 8.07819
Type of gen. func.: ogf

$$f(x)\,(4f(x)x^4-5f(x)x^2+4x^3+2x^2+f(x)-x-1)$$

Sequence: A166752
Score: 8.36728
Type of gen. func.: lgdogf

$$-\frac{16 x^6 + 16 x^5 + 8 x^4 - 16 x^3 - 7 x^2 + 6 x + 1}{(x - 1) (2 x + 1) (2 x - 1) (1 + x) (4 x^3 + 2 x^2 - x - 1)}$$

Sequence: A166753
Score: 8.26736
Type of gen. func.: lgdogf

$$-\frac{2 (16 x^6 + 20 x^5 + 4 x^4 - 15 x^3 - 6 x^2 + 4 x + 1)}{(x - 1) (2 x + 1) (2 x - 1) (1 + x) (4 x^3 + 2 x^2 - x - 1)}$$

Sequence: A166753
Score: 8.91961
Type of gen. func.: ogf

$$\frac{4 x^3 + 2 x^2 - x - 1}{(2 x + 1) (2 x - 1) (1 + x) (x - 1)^2}$$

Sequence: A166754
Score: 10.9405
Type of gen. func.: lgdogf

$$-\frac{2 (8 x^4 - x^3 + 6 x^2 - 4 x - 1)}{(x - 1) (2 x - 1) (1 + x) (4 x^2 - x + 1)}$$

Sequence: A166754
Score: 4.96323
Type of gen. func.: ogf

$(1136 f(x) - 1873)$

$$(2 f(x) x^4 - 3 f(x) x^3 - f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) - x + 1)$$

Sequence: A166754
Score: 9.71067
Type of gen. func.: ogf

$$-\frac{4x^2 - x + 1}{(2x-1)(1+x)(x-1)^2}$$

Sequence: A166756
Score: 16.2664
Type of gen. func.: lgdogf

$$-\frac{2x^3 + 9x^2 + 40x + 29}{(x-1)(x^3 + 2x^2 + 9x + 4)}$$

Sequence: A166756
Score: 3.85149
Type of gen. func.: ogf

$$\{(-73n^2 - 236n - 180)a(n+1) + (-238n^2 - 2549n - 4602)a(n+2)$$
$$+ (311n^2 + 1249n + 1254)a(n+3), a(0) = 0, a(1) = 24, a(2) = 174\}$$

Sequence: A166756
Score: 8.07173
Type of gen. func.: ogf

$$-\frac{6x(x^3 + 2x^2 + 9x + 4)}{(x-1)^5}$$

Sequence: A166757
Score: 5.24893
Type of gen. func.: ogf

$$-\frac{24x(x^5 + 8x^4 + 13x^3 + 27x^2 + 14x + 1)}{(x-1)^7}$$

Sequence: A166757
Score: 9.19366
Type of gen. func.: lgdogf

$$-\frac{(1 + x) (2 x^4 + 27 x^3 + 57 x^2 + 117 x + 21)}{(x - 1) (x^5 + 8 x^4 + 13 x^3 + 27 x^2 + 14 x + 1)}$$

Sequence: A166758
Score: 3.61379
Type of gen. func.: ogf

$$-\frac{120 x^2 (2 x^6 + 12 x^5 + 43 x^4 + 60 x^3 + 84 x^2 + 48 x + 7)}{(x - 1)^9}$$

Sequence: A166758
Score: 6.46295
Type of gen. func.: lgdogf

$$-\frac{6 x^6 + 60 x^5 + 275 x^4 + 532 x^3 + 768 x^2 + 552 x + 111}{(x - 1) (2 x^6 + 12 x^5 + 43 x^4 + 60 x^3 + 84 x^2 + 48 x + 7)}$$

Sequence: A166761
Score: 10.2490
Type of gen. func.: lgdogf

$$-\frac{24 x^4 - 36 x^3 + 6 x^2 + 29 x - 15}{(x - 1) (2 x - 1) (6 x^3 - 9 x^2 + 3 x + 2)}$$

Sequence: A166761
Score: 7.75017
Type of gen. func.: ogf

$$2 (6 x^3 - 9 x^2 + 3 x + 2)$$

$$-\frac{\qquad}{(2x-1)(x-1)^4}$$

Sequence: A166762
Score: 3.42518
Type of gen. func.: ogf

$$-\frac{6(4x^8-12x^7+49x^6-138x^5+188x^4-98x^3-8x^2+18x+1)}{(2x-1)^2(x-1)^7}$$

Sequence: A166776
Score: 18.4069
Type of gen. func.: lgdogf

$$-\frac{2x^3+3x^2-36x+51}{(x-1)(x^3-9x+12)}$$

Sequence: A166776
Score: 4.50303
Type of gen. func.: ogf

$$\{(-n-2)a(n+1)+(-n^2-10n-26)a(n+2)+(n^2+7n+10)a(n+3),$$

$$a(0)=0, a(1)=12, a(2)=51\}$$

Sequence: A166776
Score: 9.11327
Type of gen. func.: ogf

$$-\frac{x(x^3-9x+12)}{(x-1)^5}$$

Sequence: A166777
Score: 5.29954
Type of gen. func.: ogf

$$\frac{x (x - 2) (x^4 + 9 x^3 - 27 x^2 + 19 x + 6)}{(x - 1)^7}$$

Sequence: A166777
Score: 8.74594
Type of gen. func.: lgdogf

$$- \frac{2 (x^5 + 13 x^4 - 76 x^3 + 115 x^2 - 23 x - 58)}{(x - 1) (x - 2) (x^4 + 9 x^3 - 27 x^2 + 19 x + 6)}$$

Sequence: A166778
Score: 3.74293
Type of gen. func.: ogf

$$- \frac{x^2 (x^6 + 33 x^5 - 186 x^4 + 322 x^3 - 119 x^2 - 195 x + 160)}{(x - 1)^9}$$

Sequence: A166778
Score: 5.87073
Type of gen. func.: lgdogf

$$- \frac{3 x^6 + 138 x^5 - 765 x^4 + 1188 x^3 + 133 x^2 - 1798 x + 1245}{(x - 1) (x^6 + 33 x^5 - 186 x^4 + 322 x^3 - 119 x^2 - 195 x + 160)}$$

Sequence: A166781
Score: 11.5174
Type of gen. func.: ogf

$$\frac{x^3 + x + 4}{(x - 1)^4}$$

Sequence: A166781
Score: 22.2814
Type of gen. func.: lgdogf

$$-\frac{x^3 + 3 x^2 + 3 x + 17}{(x - 1) (x^3 + x + 4)}$$

Sequence: A166781
Score: 4.03403
Type of gen. func.: ogf

$$\{(-103 n^2 - 765 n - 1118) a(n + 1) + (248 n^2 + 1424 n + 1040) a(n + 2)$$

$$+ (-145 n^2 - 533 n - 294) a(n + 3), a(0) = 4, a(1) = 17, a(2) = 44\}$$

Sequence: A166781
Score: 5.75873
Type of gen. func.: ogf

$$(186084 f(x) + 90863)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x + f(x) - x - 4)$$

Sequence: A166782
Score: 3.37205
Type of gen. func.: ogf

$$-\frac{3 x^6 + x^5 - 7 x^4 + 43 x^3 - 50 x^2 + 48 x + 6}{(x - 1)^7}$$

Sequence: A166796
Score: 20.8922
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - 9 x + 13)}{(x - 1) (x^3 - x^2 - 4 x + 6)}$$

Sequence: A166796
Score: 4.19252
Type of gen. func.: ogf

$$\{(-15 n^2 - 123 n - 186) a(n + 1) + (11 n^2 - 55 n - 456) a(n + 2)$$
$$+ (4 n^2 + 102 n + 188) a(n + 3), a(0) = 0, a(1) = 6, a(2) = 26\}$$

Sequence: A166796
Score: 8.61541
Type of gen. func.: ogf

$$- \frac{x (x^3 - x^2 - 4 x + 6)}{(x - 1)^5}$$

Sequence: A166797
Score: 5.33878
Type of gen. func.: ogf

$$\frac{x (x^5 + 2 x^4 - 20 x^3 + 32 x^2 - 11 x - 8)}{(x - 1)^7}$$

Sequence: A166797
Score: 8.74107
Type of gen. func.: lgdogf

$$- \frac{2 x^5 + 11 x^4 - 72 x^3 + 100 x^2 - 2 x - 67}{(x - 1) (x^5 + 2 x^4 - 20 x^3 + 32 x^2 - 11 x - 8)}$$

Sequence: A166798
Score: 3.63101
Type of gen. func.: ogf

$$- \frac{x^2 (x^6 + 14 x^5 - 79 x^4 + 108 x^3 + 37 x^2 - 178 x + 105)}{}$$

$$(x-1)^9$$

Sequence: A166798
Score: 5.90329
Type of gen. func.: lgdogf

$$-\frac{3x^6+62x^5-325x^4+332x^3+583x^2-1350x+767}{(x-1)(x^6+14x^5-79x^4+108x^3+37x^2-178x+105)}$$

Sequence: A166805
Score: 14.0725
Type of gen. func.: lgdogf

$$-\frac{x^4-2x^3-3x^2+12x-13}{(x-1)(x^4-3x^3+2x^2+2x-3)}$$

Sequence: A166805
Score: 8.59984
Type of gen. func.: ogf

$$\frac{x^4-3x^3+2x^2+2x-3}{(x-1)^5}$$

Sequence: A166808
Score: 7.76486
Type of gen. func.: ogf

$$\frac{x^5-4x^4+5x^3-5x+4}{(x-1)^6}$$

Sequence: A166810
Score: 7.46355
Type of gen. func.: ogf

$$\frac{x^6 - 5 x^5 + 9 x^4 - 5 x^3 - 5 x^2 + 9 x - 5}{(x - 1)^7}$$

Sequence: A166812
Score: 5.73654
Type of gen. func.: ogf

$$\frac{x^7 - 6 x^6 + 14 x^5 - 14 x^4 + 14 x^2 - 14 x + 6}{(x - 1)^8}$$

Sequence: A166813
Score: 4.60072
Type of gen. func.: ogf

$$\frac{x^8 - 7 x^7 + 20 x^6 - 28 x^5 + 14 x^4 + 14 x^3 - 28 x^2 + 20 x - 7}{(x - 1)^9}$$

Sequence: A166814
Score: 22.7356
Type of gen. func.: lgdogf

$$- \frac{3 x^2 - 18 x + 25}{(x - 1) (x - 2) (x - 3)}$$

Sequence: A166814
Score: 3.90051
Type of gen. func.: ogf

{(-18 - 6 n) a(n + 4) + (47 + 11 n) a(n + 3) + (-6 n - 24) a(n + 2)

+ (n + 3) a(n + 1), a(0) = 0, a(1) = 6, a(2) = 25, a(3) = 66}

Sequence: A166814
Score: 9.44581
Type of gen. func.: ogf

$$-\frac{x (x-2)(x-3)}{(x-1)^5}$$

Sequence: A166815
Score: 11.4034
Type of gen. func.: lgdogf

$$-\frac{15 x^4 - 72 x^3 + 96 x^2 - 67}{(x-1)(5 x^4 - 23 x^3 + 33 x^2 - 11 x - 8)}$$

Sequence: A166815
Score: 5.97840
Type of gen. func.: ogf

$$\frac{x (5 x^4 - 23 x^3 + 33 x^2 - 11 x - 8)}{(x-1)^7}$$

Sequence: A166816
Score: 3.81486
Type of gen. func.: ogf

$$-\frac{x^2 (18 x^5 - 85 x^4 + 112 x^3 + 36 x^2 - 178 x + 105)}{(x-1)^9}$$

Sequence: A166816
Score: 6.55200
Type of gen. func.: lgdogf

$$-\frac{72 x^5 - 335 x^4 + 332 x^3 + 588 x^2 - 1352 x + 767}{(x-1)(18 x^5 - 85 x^4 + 112 x^3 + 36 x^2 - 178 x + 105)}$$

Sequence: A166819
Score: 3.06948
Type of gen. func.: ogf

$$\frac{x^5 - 9x^4 + 14x^3 - 6x^2 - 7x - 1}{(x-1)^7}$$

Sequence: A166826
Score: 5.57767
Type of gen. func.: ogf

$$\frac{x(x^5 + 2x^4 - 22x^3 + 40x^2 - 21x - 4)}{(x-1)^7}$$

Sequence: A166826
Score: 9.01981
Type of gen. func.: lgdogf

$$-\frac{2x^5 + 11x^4 - 80x^3 + 134x^2 - 46x - 49}{(x-1)(x^5 + 2x^4 - 22x^3 + 40x^2 - 21x - 4)}$$

Sequence: A166827
Score: 3.57213
Type of gen. func.: ogf

$$-\frac{x^2(x^6 + 15x^5 - 101x^4 + 210x^3 - 155x^2 - 17x + 55)}{(x-1)^9}$$

Sequence: A166827
Score: 5.86458
Type of gen. func.: lgdogf

$$-\frac{3x^6 + 66x^5 - 430x^4 + 856x^3 - 455x^2 - 446x + 478}{(x-1)(x^6 + 15x^5 - 101x^4 + 210x^3 - 155x^2 - 17x + 55)}$$

Sequence: A166830
Score: 18.9805
Type of gen. func.: lgdogf

$$-\frac{x^3 - x^2 - 4 x + 8}{(x - 1) (x^3 - 2 x^2 + 2)}$$

Sequence: A166830
Score: 5.13347
Type of gen. func.: ogf

(72 f(x) - 149)

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x + 2 x^2 + f(x) - 2)$$

Sequence: A166830
Score: 9.56371
Type of gen. func.: ogf

$$\frac{x^3 - 2 x^2 + 2}{(x - 1)^4}$$

Sequence: A166838
Score: 10.3463
Type of gen. func.: lgdogf

$$-\frac{15 x^4 - 80 x^3 + 130 x^2 - 44 x - 49}{(x - 1) (5 x^4 - 25 x^3 + 41 x^2 - 21 x - 4)}$$

Sequence: A166838
Score: 5.94952
Type of gen. func.: ogf

$$x (5 x^4 - 25 x^3 + 41 x^2 - 21 x - 4)$$

$$(x - 1)^7$$

Sequence: A166839
Score: 3.75300
Type of gen. func.: ogf

$$-\frac{x^2 (19 x^5 - 107 x^4 + 214 x^3 - 156 x^2 - 17 x + 55)}{(x - 1)^9}$$

Sequence: A166839
Score: 6.37454
Type of gen. func.: lgdogf

$$-\frac{2 (38 x^5 - 220 x^4 + 428 x^3 - 225 x^2 - 224 x + 239)}{(x - 1) (19 x^5 - 107 x^4 + 214 x^3 - 156 x^2 - 17 x + 55)}$$

Sequence: A166842
Score: 3.31395
Type of gen. func.: ogf

$$-\frac{(1 + x) (2 x^3 - 5 x^2 + 6 x + 1)}{(x - 1)^7}$$

Sequence: A166842
Score: 5.93931
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^4 - 2 x^3 - 2 x^2 + 22 x + 7)}{(x - 1) (1 + x) (2 x^3 - 5 x^2 + 6 x + 1)}$$

Sequence: A166854
Score: 10.1803
Type of gen. func.: ogf

$$-(47 f(x) x - f(x) + x + 1)^2$$

Sequence: A166854
Score: 5.55287
Type of gen. func.: ogf

$$\frac{48 x^{11} + x^{10} + 2 x^3 + 2 x^2 + 2 x + 2}{x^{10} - 94 x^3 + 2 x^2 - 94 x + 2}$$

Sequence: A166855
Score: 10.1803
Type of gen. func.: ogf

$$-(48 f(x) x - f(x) + x + 1)^2$$

Sequence: A166855
Score: 5.55287
Type of gen. func.: ogf

$$\frac{49 x^{11} + x^{10} + 2 x^3 + 2 x^2 + 2 x + 2}{x^{10} - 96 x^3 + 2 x^2 - 96 x + 2}$$

Sequence: A166856
Score: 10.1803
Type of gen. func.: ogf

$$-(49 f(x) x - f(x) + x + 1)^2$$

Sequence: A166856
Score: 5.55287
Type of gen. func.: ogf

$$50 x^{11} + x^{10} + 2 x^3 + 2 x^2 + 2 x + 2$$

----

10 3 2

$$x - 98 x + 2 x - 98 x + 2$$

Sequence: A166858
Score: 4.92389
Type of gen. func.: ogf

$$-(2 x^{13} - 1) / (4 x^{12} - 4 x^{11} + 4 x^{10} - 4 x^{9} + 4 x^{8} - 4 x^{7} + 4 x^{6} - 4 x^{5} + 4 x^{4} - 4 x^{3} + 4 x^{2} - 4 x + 1)$$

Sequence: A166858
Score: 9.77429
Type of gen. func.: ogf

$$(f(x) - 1) (3 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166859
Score: 9.81876
Type of gen. func.: ogf

$$(f(x) - 1) (4 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166861
Score: 23.9178
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{1}{x^{2} + x - 1}$$

Sequence: A166863
Score: 14.6722
Type of gen. func.: ogf

$$\frac{x^{2} + 3 x + 1}{(x - 1) (x^{2} + x - 1)}$$

Sequence: A166863
Score: 7.69924
Type of gen. func.: ogf

$$-(321 f(x) + 175) (f(x) x^3 - 2 f(x) x - x^2 + f(x) - 3 x - 1)$$

Sequence: A166863
Score: 8.18552
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n), a(0) = 1, a(1) = 5, a(2) = 11\}$$

Sequence: A166867
Score: 4.81058
Type of gen. func.: ogf

$$(147669 f(x) + 63086)$$

$$(2 f(x) x^4 + 5 f(x) x^3 - f(x) x^2 - 2 x^3 - 3 f(x) x - 5 x^2 + f(x) - x)$$

Sequence: A166867
Score: 8.62954
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^5 + 20 x^4 + 29 x^3 + 8 x^2 - 3 x - 4)}{(2 x - 1) (1 + x) (2 x^2 + 5 x + 1) (x^2 + 2 x - 1)}$$

Sequence: A166867
Score: 9.35755
Type of gen. func.: ogf

$$\frac{x (2 x^2 + 5 x + 1)}{(2 x - 1) (1 + x) (x^2 + 2 x - 1)}$$

Sequence: A166868
Score: 10.5899
Type of gen. func.: ogf

$$\frac{2x+1}{(2x-1)(1+x)(x^2+2x-1)}$$

Sequence: A166868
Score: 4.78507
Type of gen. func.: ogf

$$-(979269 f(x) - 141112)$$

$$(2 f(x) x^4 + 5 f(x) x^3 - f(x) x^2 - 3 f(x) x + f(x) - 2x - 1)$$

Sequence: A166868
Score: 9.73540
Type of gen. func.: lgdogf

$$-\frac{12x^4+28x^3+13x^2-2x-5}{(2x+1)(2x-1)(1+x)(x^2+2x-1)}$$

Sequence: A166871
Score: 7.73576
Type of gen. func.: ogf

$$-\frac{x(x^8-x^6-2x^5+2x^4+x^3-3x^2-2x-1)}{(x-1)^2(x^4+x^3+x^2+x+1)^2}$$

Sequence: A166873
Score: 12.6740
Type of gen. func.: ogf

$$\frac{11x^2-22x-1}{(x-1)^3}$$

Sequence: A166873
Score: 19.5832
Type of gen. func.: lgdogf

$$-\frac{11 x^2 - 22 x - 25}{(x - 1) (11 x^2 - 22 x - 1)}$$

Sequence: A166873
Score: 6.76664
Type of gen. func.: ogf

$$(274 f(x) - 8491) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 11 x^2 - f(x) + 22 x + 1)$$

Sequence: A166873
Score: 7.00407
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 25, a(2) = 61\}$$

Sequence: A166876
Score: 12.3864
Type of gen. func.: ogf

$$-\frac{1982 x^2 + 1982 x - 1983}{(x - 1) (x^2 + x - 1)}$$

Sequence: A166876
Score: 6.34674
Type of gen. func.: ogf

$$-(4905451 f(x) - 3891986013)$$

$$(f(x) x^3 - 2 f(x) x + 1982 x^2 + f(x) + 1982 x - 1983)$$

Sequence: A166876
Score: 7.45588

Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n), a(0) = 1983, a(1) = 1984, a(2) = 1986\}$$

Sequence: A166876
Score: 9.42168
Type of gen. func.: lgdogf

$$-\frac{1982 x^4 + 3964 x^3 - 1985 x^2 - 3964 x + 1984}{(x - 1) (x^2 + x - 1) (1982 x^2 + 1982 x - 1983)}$$

Sequence: A166877
Score: 9.18086
Type of gen. func.: ogf

$$(f(x) - 1) (5 f(x) x - f(x) + x + 1)^2$$

Sequence: A166878
Score: 3.69426
Type of gen. func.: ogf

$$\frac{7 x^{12} + x^{11} + 2 x^7 + 2 x^6 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{x^{11} - 12 x^7 + 2 x^6 - 12 x^5 + 2 x^4 - 12 x^3 + 2 x^2 - 12 x + 2}$$

Sequence: A166878
Score: 9.04269
Type of gen. func.: ogf

$$(f(x) - 1) (6 f(x) x - f(x) + x + 1)^2$$

Sequence: A166910
Score: 3.56199
Type of gen. func.: ogf

$$\frac{8 x^{12} + x^{11} + 2 x^7 + 2 x^6 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{}$$

$$x^{11} - 14 x^7 + 2 x^6 - 14 x^5 + 2 x^4 - 14 x^3 + 2 x^2 - 14 x + 2$$

Sequence: A166910
Score: 8.71892
Type of gen. func.: ogf

$$(f(x) - 1) (7 f(x) x - f(x) + x + 1)^2$$

Sequence: A166911
Score: 10.4173
Type of gen. func.: ogf

$$- \frac{x^3 - 5 x^2 - x - 3}{(x - 1)^4}$$

Sequence: A166911
Score: 18.3088
Type of gen. func.: lgdogf

$$- \frac{x^3 - 7 x^2 - 13 x - 13}{(x - 1) (x^3 - 5 x^2 - x - 3)}$$

Sequence: A166911
Score: 4.22174
Type of gen. func.: ogf

$$\{(67 n^2 + 383 n + 498) a(n + 1) + (-42 n^2 + 72 n + 546) a(n + 2)$$

$$+ (-25 n^2 - 179 n - 312) a(n + 3), a(0) = 3, a(1) = 13, a(2) = 39\}$$

Sequence: A166911
Score: 5.64881
Type of gen. func.: ogf

$$(844 f(x) + 4053)$$

$$(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 + x^3 - 4\,f(x)\,x - 5\,x^2 + f(x) - x - 3)$$

Sequence: A166912
Score: 3.1704
Type of gen. func.: ogf

$$(16243056574598309 + 21346397829873\,f(x))\,(64\,f(x)\,x^3 - 84\,f(x)\,x^2 + 40256\,x^3 + 21\,f(x)\,x - 46436\,x^2 - f(x) + 5849\,x + 106)$$

Sequence: A166912
Score: 3.44335
Type of gen. func.: ogf

$$\{a(n + 4) - 21\,a(n + 3) + 84\,a(n + 2) - 64\,a(n + 1),\ a(0) = 106,\ a(1) = 8075,\ a(2) = 114235,\ a(3) = 1767675\}$$

Sequence: A166912
Score: 6.11701
Type of gen. func.: ogf

$$-\frac{40256\,x^3 - 46436\,x^2 + 5849\,x + 106}{(x - 1)\,(4\,x - 1)\,(16\,x - 1)}$$

Sequence: A166913
Score: 3.25969
Type of gen. func.: ogf

$$-(14191967795713 + 17394027741\,f(x))\,(64\,f(x)\,x^3 - 84\,f(x)\,x^2 + 44352\,x^3 + 21\,f(x)\,x - 51812\,x^2 - f(x) + 6953\,x + 357)$$

Sequence: A166913
Score: 3.47414
Type of gen. func.: ogf

$$\{a(n + 4) - 21\,a(n + 3) + 84\,a(n + 2) - 64\,a(n + 1),\ a(0) = 357,\ a(1) = 14450,$$

a(2) = 221650, a(3) = 3508050}

Sequence: A166913
Score: 5.12116
Type of gen. func.: lgdogf

$$-\frac{50\,(8192\,x^4 - 19456\,x^3 + 14112\,x^2 - 3272\,x + 289)}{(x - 1)\,(4\,x - 1)\,(16\,x - 1)\,(44352\,x^3 - 51812\,x^2 + 6953\,x + 357)}$$

Sequence: A166913
Score: 6.21259
Type of gen. func.: ogf

$$-\frac{44352\,x^3 - 51812\,x^2 + 6953\,x + 357}{(x - 1)\,(4\,x - 1)\,(16\,x - 1)}$$

Sequence: A166914
Score: 10.4249
Type of gen. func.: revogf

$$-\frac{-21 - 20\,x + ((4\,x + 9)\,(36\,x + 49))^{1/2}}{32\,(5 + 4\,x)}$$

Sequence: A166914
Score: 10.8593
Type of gen. func.: lgdogf

$$-\frac{4\,(80\,x - 17)\,(16\,x - 5)}{(4\,x - 1)\,(80\,x - 21)\,(16\,x - 1)}$$

Sequence: A166914
Score: 10.8640
Type of gen. func.: ogf

$$-\frac{80\,x - 21}{(16\,x - 1)\,(4\,x - 1)}$$

Sequence: A166914
Score: 5.66316
Type of gen. func.: ogf

$$(257 f(x) + 1828) (64 f(x) x^2 - 20 f(x) x + f(x) + 80 x - 21)$$

Sequence: A166914
Score: 6.11882
Type of gen. func.: ogf

$$\{-a(n + 2) + 20 a(n + 1) - 64 a(n), a(0) = 21, a(1) = 340\}$$

Sequence: A166915
Score: 3.41214
Type of gen. func.: ogf

$$(93541069995885 f(x) + 3939654620242544)$$

$$(64 f(x) x^3 - 84 f(x) x^2 + 21 f(x) x + 2240 x^2 - f(x) - 2684 x + 399)$$

Sequence: A166915
Score: 4.12759
Type of gen. func.: ogf

$$\{a(n + 3) - 21 a(n + 2) + 84 a(n + 1) - 64 a(n), a(0) = 399, a(1) = 5695, a(2) = 88319\}$$

Sequence: A166915
Score: 5.38698
Type of gen. func.: lgdogf

$$- \frac{143360 x^4 - 343552 x^3 + 255024 x^2 - 62552 x + 5695}{(x - 1) (4 x - 1) (16 x - 1) (2240 x^2 - 2684 x + 399)}$$

Sequence: A166915
Score: 7.10862

Type of gen. func.: ogf

$$-\frac{2240 x^2 - 2684 x + 399}{(x - 1) (4 x - 1) (16 x - 1)}$$

Sequence: A166916
Score: 3.45825
Type of gen. func.: ogf

$$(6957478379925 f(x) + 194955820307152)$$

$$(64 f(x) x^3 - 84 f(x) x^2 + 21 f(x) x + 1600 x^2 - f(x) - 1972 x + 357)$$

Sequence: A166916
Score: 4.12759
Type of gen. func.: ogf

$$\{a(n + 3) - 21 a(n + 2) + 84 a(n + 1) - 64 a(n), a(0) = 357, a(1) = 5525,$$
$$a(2) = 87637\}$$

Sequence: A166916
Score: 5.38698
Type of gen. func.: lgdogf

$$-\frac{102400 x^4 - 252416 x^3 + 200592 x^2 - 56776 x + 5525}{(x - 1) (4 x - 1) (16 x - 1) (1600 x^2 - 1972 x + 357)}$$

Sequence: A166916
Score: 7.10862
Type of gen. func.: ogf

$$-\frac{1600 x^2 - 1972 x + 357}{(x - 1) (4 x - 1) (16 x - 1)}$$

Sequence: A166917
Score: 5.02525
Type of gen. func.: ogf

$$(1025 f(x) + 29156) (64 f(x) x^2 - 20 f(x) x + f(x) + 336 x - 85)$$

Sequence: A166917
Score: 5.53919
Type of gen. func.: ogf

$$\{-a(n + 2) + 20 a(n + 1) - 64 a(n), a(0) = 85, a(1) = 1364\}$$

Sequence: A166917
Score: 8.99277
Type of gen. func.: revogf

$$-\frac{-85 - 20 x + ((36 x + 289) (4 x + 25))^{1/2}}{32 (21 + 4 x)}$$

Sequence: A166917
Score: 9.34543
Type of gen. func.: lgdogf

$$-\frac{4 (48 x - 11) (112 x - 31)}{(336 x - 85) (16 x - 1) (4 x - 1)}$$

Sequence: A166917
Score: 9.74898
Type of gen. func.: ogf

$$-\frac{336 x - 85}{(16 x - 1) (4 x - 1)}$$

Sequence: A166920
Score: 13.0046
Type of gen. func.: ogf

$$-\frac{x (x - 2)}{(x - 1) (2 x - 1) (1 + x)}$$

Sequence: A166920
Score: 15.2244
Type of gen. func.: lgdogf

$$-\frac{4 x^{3} - 13 x^{2} + 4 x + 3}{(x - 1) (x - 2) (2 x - 1) (1 + x)}$$

Sequence: A166920
Score: 6.67801
Type of gen. func.: ogf

$$-(3 f(x) + 4) (2 f(x) x^{3} - f(x) x^{2} - 2 f(x) x + x^{2} + f(x) - 2 x)$$

Sequence: A166920
Score: 6.67802
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + a(n + 1) - 2 a(n), a(0) = 0, a(1) = 2, a(2) = 3\}$$

Sequence: A166924
Score: 3.74466
Type of gen. func.: ogf

$$\frac{9 x^{12} + x^{11} + 2 x^{7} + 2 x^{6} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{11} - 16 x^{7} + 2 x^{6} - 16 x^{5} + 2 x^{4} - 16 x^{3} + 2 x^{2} - 16 x + 2}$$

Sequence: A166924
Score: 9.16605
Type of gen. func.: ogf

$$(f(x) - 1) (8 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166925
Score: 10.1342
Type of gen. func.: ogf

$$(11 f(x) + 232) (f(x) x^3 + 9 x^2 - f(x) + 9 x + 1)$$

Sequence: A166925
Score: 10.4009
Type of gen. func.: ogf

$$\{a(n + 3) - a(n), a(0) = 1, a(1) = 9, a(2) = 9\}$$

Sequence: A166925
Score: 13.7965
Type of gen. func.: lgdogf

$$- \frac{3 (3 x^4 + 6 x^3 + x^2 + 6 x + 3)}{(x - 1) (x^2 + x + 1) (9 x^2 + 9 x + 1)}$$

Sequence: A166925
Score: 16.1320
Type of gen. func.: ogf

$$- \frac{9 x^2 + 9 x + 1}{(x - 1) (x^2 + x + 1)}$$

Sequence: A166926
Score: 14.7597
Type of gen. func.: ogf

$$4 x^2 + 2 x + 1 - f(x)$$

Sequence: A166926
Score: 42.2903
Type of gen. func.: lgdogf

$$\frac{2 (4 x + 1)}{4 x^2 + 2 x + 1}$$

Sequence: A166926
Score: 7.82712
Type of gen. func.: ogf

$$\{-a(n + 3), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A166927
Score: 11.6945
Type of gen. func.: ogf

$$-\frac{2 x - 1}{(16 x - 1) (4 x - 1)}$$

Sequence: A166927
Score: 11.7024
Type of gen. func.: revogf

$$-\frac{-1 - 20 x + (144 x^2 + 32 x + 1)^{1/2}}{4 (1 + 32 x)}$$

Sequence: A166927
Score: 12.2343
Type of gen. func.: lgdogf

$$-\frac{2 (64 x^2 - 64 x + 9)}{(16 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A166927
Score: 6.17577
Type of gen. func.: ogf

$$(58 f(x) + 23) (64 f(x) x^2 - 20 f(x) x + f(x) + 2 x - 1)$$

Sequence: A166927
Score: 6.46639
Type of gen. func.: ogf

$$\{-a(n+2) + 20\, a(n+1) - 64\, a(n),\ a(0) = 1,\ a(1) = 18\}$$

Sequence: A166931
Score: 14.9870
Type of gen. func.: ogf

$$\frac{x + 2519}{(x - 1)^2}$$

Sequence: A166931
Score: 15.0058
Type of gen. func.: revogf

$$-\frac{-2519 - 2x + (6345361 + 10080x)^{1/2}}{2(x - 1)}$$

Sequence: A166931
Score: 29.3863
Type of gen. func.: lgdogf

$$-\frac{5039 + x}{(x + 2519)(x - 1)}$$

Sequence: A166931
Score: 7.34059
Type of gen. func.: ogf

$$(5040 f(x) + 12695761)(f(x) x^2 - 2 f(x) x + f(x) - x - 2519)$$

Sequence: A166931
Score: 8.17474
Type of gen. func.: ogf

$$\{-a(n+2) + 2\, a(n+1) - a(n),\ a(0) = 2519,\ a(1) = 5039\}$$

Sequence: A166933
Score: 4.34974
Type of gen. func.: ogf

$$\frac{10 x^{12} + x^{11} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{11} - 18 x^{5} + 2 x^{4} - 18 x^{3} + 2 x^{2} - 18 x + 2}$$

Sequence: A166933
Score: 8.56964
Type of gen. func.: ogf

$$(f(x) - 1) (9 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166941
Score: 11.9364
Type of gen. func.: lgdogf

$$- \frac{x^{4} - 8 x^{3} + 18 x^{2} + 32 x + 17}{(x - 1) (x^{4} - 6 x^{3} + 12 x^{2} + 2 x + 3)}$$

Sequence: A166941
Score: 7.28139
Type of gen. func.: ogf

$$- \frac{2 (x^{4} - 6 x^{3} + 12 x^{2} + 2 x + 3)}{(x - 1)^{5}}$$

Sequence: A166942
Score: 5.82640
Type of gen. func.: ogf

$$- \frac{x^{5} - 6 x^{4} + 14 x^{3} - 16 x^{2} - 15 x - 2}{(x - 1)^{6}}$$

Sequence: A166942
Score: 8.75242
Type of gen. func.: lgdogf

$$-\frac{x^5 - 7x^4 + 18x^3 - 22x^2 - 107x - 27}{(x - 1)(x^5 - 6x^4 + 14x^3 - 16x^2 - 15x - 2)}$$

Sequence: A166943
Score: 4.80268
Type of gen. func.: ogf

$$-\frac{3x^6 - 20x^5 + 55x^4 - 80x^3 + 65x^2 + 212x + 5}{(x - 1)^7}$$

Sequence: A166943
Score: 6.48295
Type of gen. func.: lgdogf

$$-\frac{3x^6 - 22x^5 + 65x^4 - 100x^3 + 85x^2 + 1402x + 247}{(x - 1)(3x^6 - 20x^5 + 55x^4 - 80x^3 + 65x^2 + 212x + 5)}$$

Sequence: A166950
Score: 4.20417
Type of gen. func.: ogf

$$\frac{11x^{12} + x^{11} + 2x^5 + 2x^4 + 2x^3 + 2x^2 + 2x + 2}{x^{11} - 20x^5 + 2x^4 - 20x^3 + 2x^2 - 20x + 2}$$

Sequence: A166950
Score: 8.16105
Type of gen. func.: ogf

$$(f(x) - 1)(10 f(x) x - f(x) + x + 1)^2$$

Sequence: A166951
Score: 4.20417
Type of gen. func.: ogf

$$\frac{12 x^{12} + x^{11} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{11} - 22 x^{5} + 2 x^{4} - 22 x^{3} + 2 x^{2} - 22 x + 2}$$

Sequence: A166951
Score: 8.16105
Type of gen. func.: ogf

$$(f(x) - 1) (11 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A166952
Score: 6.51620
Type of gen. func.: revogf

$$x (x^{12} + x^{10} + x^{9} - x^{5} - x^{3} - x^{2} - 1) / (4 x^{13} - x^{12} + 3 x^{10} - 3 x^{9} - 2 x^{7} - 4 x^{6} - x^{5} - 4 x^{4} - 3 x^{3} - x^{2} - 2 x - 1)$$

Sequence: A166954
Score: 5.06543
Type of gen. func.: ogf

$$\frac{13 x^{12} + x^{11} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{11} - 24 x^{3} + 2 x^{2} - 24 x + 2}$$

Sequence: A166956
Score: 13.7961
Type of gen. func.: ogf

$$\frac{x (5 x - 1)}{(x - 1) (2 x - 1) (1 + x)}$$

Sequence: A166956
Score: 14.7043
Type of gen. func.: lgdogf

$$-\frac{20 x^3 - 11 x^2 + 2 x - 3}{(x - 1) (2 x - 1) (5 x - 1) (1 + x)}$$

Sequence: A166956
Score: 7.08449
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + a(n + 1) - 2 a(n), a(0) = 0, a(1) = -1, a(2) = 3\}$$

Sequence: A166956
Score: 7.14889
Type of gen. func.: ogf

$$(90 f(x) + 259) (2 f(x) x^3 - f(x) x^2 - 2 f(x) x - 5 x^2 + f(x) + x)$$

Sequence: A166957
Score: 3.74584
Type of gen. func.: ogf

$$(7724603502 f(x) + 11514655155419) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 607 x^3 - 4 f(x) x - 3311 x^2 + f(x) - 1127 x - 1)$$

Sequence: A166957
Score: 7.35947
Type of gen. func.: ogf

$$\frac{607 x^3 + 3311 x^2 + 1127 x + 1}{(x - 1)^4}$$

Sequence: A166957
Score: 9.81495

Type of gen. func.: lgdogf

$$-\frac{x^3 - 1219 x^2 - 11137 x - 7829}{(x - 1) (x^3 - 611 x^2 - 3305 x - 1131)}$$

Sequence: A166959
Score: 12.1011
Type of gen. func.: ogf

$$\frac{4 (3 x^2 + 5 x + 3)}{(1 + x) (x - 1)^2}$$

Sequence: A166959
Score: 6.73454
Type of gen. func.: ogf

$$(7 f(x) - 52) (f(x) x^3 - f(x) x^2 - f(x) x - 12 x^2 + f(x) - 20 x - 12)$$

Sequence: A166959
Score: 6.73454
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 12, a(1) = 32, a(2) = 56\}$$

Sequence: A166963
Score: 6.63187
Type of gen. func.: lgdogf

$$-\frac{2 x^7 - 7 x^6 + 4 x^5 - 3 x^4 + 8 x^3 - 4 x^2 + 4 x + 2}{(x^2 + 1) (x^3 - x^2 - 2 x + 1) (x^3 - 2 x^2 - 1)}$$

Sequence: A166963
Score: 7.63010
Type of gen. func.: ogf

$$-\frac{x^3 - 2 x^2 - 1}{(x^2 + 1) (x^3 - x^2 - 2 x + 1)}$$

Sequence: A166965
Score: 11.6945
Type of gen. func.: ogf

$$-\frac{x - 1}{(16 x - 1) (4 x - 1)}$$

Sequence: A166965
Score: 11.7024
Type of gen. func.: revogf

$$-\frac{-1 - 20 x + (144 x^2 + 36 x + 1)^{1/2}}{2 (1 + 64 x)}$$

Sequence: A166965
Score: 13.1295
Type of gen. func.: lgdogf

$$-\frac{64 x^2 - 128 x + 19}{(x - 1) (4 x - 1) (16 x - 1)}$$

Sequence: A166965
Score: 6.04004
Type of gen. func.: ogf

$$(252 f(x) + 109) (64 f(x) x^2 - 20 f(x) x + f(x) + x - 1)$$

Sequence: A166965
Score: 6.46639
Type of gen. func.: ogf

$$\{-a(n + 2) + 20 a(n + 1) - 64 a(n), a(0) = 1, a(1) = 19\}$$

Sequence: A166969
Score: 5.17991
Type of gen. func.: ogf

$$\frac{14 x^{12} + x^{11} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{11} - 26 x^{3} + 2 x^{2} - 26 x + 2}$$

Sequence: A166971
Score: 5.32300
Type of gen. func.: ogf

$$\frac{15 x^{12} + x^{11} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{11} - 28 x^{3} + 2 x^{2} - 28 x + 2}$$

Sequence: A166977
Score: 14.2166
Type of gen. func.: ogf

$$- \frac{x (4 x + 1)}{(2 x - 1) (1 + x)}$$

Sequence: A166977
Score: 18.5464
Type of gen. func.: lgdogf

$$- \frac{8 x^{2} + 4 x + 5}{(4 x + 1) (2 x - 1) (1 + x)}$$

Sequence: A166977
Score: 18.5464
Type of gen. func.: revogf

$$\frac{-1 - x + (9 x^{2} + 18 x + 1)^{1/2}}{4 (2 + x)}$$

Sequence: A166977
Score: 6.89717
Type of gen. func.: ogf

$$\{a(n+3) - a(n+2) - 2\,a(n+1),\ a(0) = 0,\ a(1) = 1,\ a(2) = 5\}$$

Sequence: A166977
Score: 8.19545
Type of gen. func.: ogf

$$-f(x)\,(2\,f(x)\,x^2 + f(x)\,x + 4\,x^2 - f(x) + x)$$

Sequence: A166978
Score: 11.2357
Type of gen. func.: ogf

$$-\frac{(5\,x-1)\,(3\,x-1)}{(x-1)\,(2\,x-1)\,(1+x)}$$

Sequence: A166978
Score: 6.16472
Type of gen. func.: ogf

$$(9\,f(x) + 73)\,(2\,f(x)\,x^3 - f(x)\,x^2 - 2\,f(x)\,x + 15\,x^2 + f(x) - 8\,x + 1)$$

Sequence: A166978
Score: 6.21977
Type of gen. func.: ogf

$$\{-a(n+3) + 2\,a(n+2) + a(n+1) - 2\,a(n),\ a(0) = -1,\ a(1) = 6,\ a(2) = -4\}$$

Sequence: A166984
Score: 11.4534
Type of gen. func.: revogf

$$-\frac{-1 - 20\,x + (4\,x+1)^{1/2}\,(36\,x+1)^{1/2}}{128\,x}$$

Sequence: A166984
Score: 15.7041
Type of gen. func.: ogf

$$\frac{1}{(16 x - 1) (4 x - 1)}$$

Sequence: A166984
Score: 18.5624
Type of gen. func.: lgdogf

$$- \frac{4 (-5 + 32 x)}{(16 x - 1) (4 x - 1)}$$

Sequence: A166984
Score: 6.46639
Type of gen. func.: ogf

$$\{-a(n + 2) + 20 a(n + 1) - 64 a(n), a(0) = 1, a(1) = 20\}$$

Sequence: A166984
Score: 8.37763
Type of gen. func.: ogf

$$(17 f(x) + 8) (64 f(x) x^2 - 20 f(x) x + f(x) - 1)$$

Sequence: A166986
Score: 7.88540
Type of gen. func.: ogf

$$\frac{2 (x^8 + 2 x^7 + x^6 + x^5 + 2 x^4 + x^3 + 2 x^2 + x + 2)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A166989
Score: 12.9068

Type of gen. func.: ogf

$$\frac{1}{x^4 - 2 x^3 - 7 x^2 - 2 x + 1}$$

Sequence: A166989
Score: 12.9108
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^3 - 3 x^2 - 7 x - 1)}{x^4 - 2 x^3 - 7 x^2 - 2 x + 1}$$

Sequence: A166989
Score: 5.05946
Type of gen. func.: ogf

$$-(4583 f(x) + 60) (f(x) x^4 - 2 f(x) x^3 - 7 f(x) x^2 - 2 f(x) x + f(x) - 1)$$

Sequence: A166990
Score: 19.0292
Type of gen. func.: lgdogf

$$\frac{\mathrm{HeunG}(-1/8, 1/4, 1, 1, 1, 1, -x) - 1}{x}$$

Sequence: A166991
Score: 16.2280
Type of gen. func.: lgdogf

$$1/2 \frac{\mathrm{HeunG}(-1/8, 1/4, 1, 1, 1, 1, -x) - 1}{x}$$

Sequence: A167004
Score: 6.46243
Type of gen. func.: lgdogf

2   16   14   12   10

$$3 (9 x + 1) (43046721 x - 4782969 x + 531441 x - 59049 x + 1)$$

$$(6561 x^8 + 1) / (282429536481 x^{27} + 2187 x^9 + 9 x^3 + 3 x + 1)$$

Sequence: A167011
Score: 7.50914
Type of gen. func.: ogf

$$- \frac{2 x^4 - 6 x^3 + 11 x^2 - 6 x + 1}{x^6 + 3 x^5 - 13 x^4 + 32 x^3 - 27 x^2 + 9 x - 1}$$

Sequence: A167022
Score: 17.2676
Type of gen. func.: ogf

$$3 x^2 + 2 x - 1 + f(x)^2$$

Sequence: A167022
Score: 34.4758
Type of gen. func.: lgdogf

$$\frac{1 + 3 x}{(1 + x) (3 x - 1)}$$

Sequence: A167022
Score: 4.74252
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-3 - 2 n) a(n + 2) - 3 n a(n + 1), a(0) = 1, a(1) = -1, a(2) = -2\}$$

Sequence: A167026
Score: 5.40886
Type of gen. func.: ogf

$$\frac{16 x^{12} + x^{11} + 2 x^3 + 2 x^2 + 2 x + 2}{}$$

$$x^{11} - 30 x^3 + 2 x^2 - 30 x + 2$$

Sequence: A167027
Score: 5.55195
Type of gen. func.: ogf

$$\frac{17 x^{12} + x^{11} + 2 x^3 + 2 x^2 + 2 x + 2}{x^{11} - 32 x^3 + 2 x^2 - 32 x + 2}$$

Sequence: A167028
Score: 21.8917
Type of gen. func.: lgdegf]

$$\frac{x (x^4 - 4 x^2 + 8)}{2 (x - 1) (1 + x) (x^2 - 2)}$$

Sequence: A167030
Score: 10.5109
Type of gen. func.: ogf

$$\frac{x^2 + 2 x - 1}{(x - 1) (2 x - 1) (1 + x)}$$

Sequence: A167030
Score: 12.5038
Type of gen. func.: lgdogf

$$- \frac{2 x^2 (x^2 + 4 x - 3)}{(x - 1) (2 x - 1) (1 + x) (x^2 + 2 x - 1)}$$

Sequence: A167030
Score: 5.77623
Type of gen. func.: ogf

$$(f(x) + 1) (2 f(x) x^3 - f(x) x^2 - 2 f(x) x - x^2 + f(x) - 2 x + 1)$$

Sequence: A167030
Score: 5.82875
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - a(n + 1) + 2 a(n), a(0) = -1, a(1) = 0, a(2) = 0\}$$

Sequence: A167031
Score: 4.2608
Type of gen. func.: ogf

$$(893032820 f(x) - 24594057) (64 f(x) x^3 - 84 f(x) x^2 + 21 f(x) x + x^2 - f(x) - x + 1)$$

Sequence: A167031
Score: 4.65799
Type of gen. func.: ogf

$$\{a(n + 3) - 21 a(n + 2) + 84 a(n + 1) - 64 a(n), a(0) = 1, a(1) = 20, a(2) = 337\}$$

Sequence: A167031
Score: 8.03448
Type of gen. func.: lgdogf

$$- \frac{64 x^4 - 128 x^3 + 255 x^2 - 166 x + 20}{(x - 1) (4 x - 1) (16 x - 1) (x^2 - x + 1)}$$

Sequence: A167031
Score: 8.58817
Type of gen. func.: ogf

$$- \frac{x^2 - x + 1}{(x - 1) (4 x - 1) (16 x - 1)}$$

Sequence: A167032
Score: 4.41981
Type of gen. func.: ogf

$$\frac{433892052 f(x) - 24249121}{64 f(x) x^3 - 84 f(x) x^2 + 21 f(x) x + x^2 - f(x) + 1}$$

Sequence: A167032
Score: 4.68200
Type of gen. func.: ogf

{a(n + 3) - 21 a(n + 2) + 84 a(n + 1) - 64 a(n), a(0) = 1, a(1) = 21,

a(2) = 358}

Sequence: A167032
Score: 9.20793
Type of gen. func.: ogf

$$-\frac{x^2 + 1}{(x - 1) (4 x - 1) (16 x - 1)}$$

Sequence: A167032
Score: 9.49374
Type of gen. func.: lgdogf

$$-\frac{64 x^4 + 171 x^2 - 166 x + 21}{(x - 1) (4 x - 1) (16 x - 1) (x^2 + 1)}$$

Sequence: A167033
Score: 4.44248
Type of gen. func.: ogf

$$\frac{2257660 f(x) - 190819}{64 f(x) x^3 - 84 f(x) x^2 + 21 f(x) x + x^2 - f(x) + x + 1}$$

Sequence: A167033
Score: 4.70601
Type of gen. func.: ogf

$\{a(n + 3) - 21 a(n + 2) + 84 a(n + 1) - 64 a(n), a(0) = 1, a(1) = 22, a(2) = 379\}$

Sequence: A167033
Score: 8.24207
Type of gen. func.: lgdogf

$$-\frac{64 x^4 + 128 x^3 + 87 x^2 - 166 x + 22}{(x - 1) (4 x - 1) (16 x - 1) (x^2 + x + 1)}$$

Sequence: A167033
Score: 8.67670
Type of gen. func.: ogf

$$-\frac{x^2 + x + 1}{(x - 1) (4 x - 1) (16 x - 1)}$$

Sequence: A167048
Score: 5.63780
Type of gen. func.: ogf

$$\frac{18 x^{12} + x^{11} + 2 x^3 + 2 x^2 + 2 x + 2}{x^{11} - 34 x^3 + 2 x^2 - 34 x + 2}$$

Sequence: A167049
Score: 4.35345
Type of gen. func.: ogf

$$-(f(x) - 1) (18 f(x) x - f(x) + x + 1) (18 f(x) x + f(x) - 37 x - 1)$$

Sequence: A167049

Score: 5.01307
Type of gen. func.: ogf

$$\frac{19 x^{12} + x^{11} + 2 x^3 + 2 x^2 + 2 x + 2}{x^{11} - 36 x^3 + 2 x^2 - 36 x + 2}$$

Sequence: A167073
Score: 4.40209
Type of gen. func.: ogf

$$-(f(x) - 1) (19 f(x) x - f(x) + x + 1) (19 f(x) x + f(x) - 39 x - 1)$$

Sequence: A167073
Score: 5.06908
Type of gen. func.: ogf

$$\frac{20 x^{12} + x^{11} + 2 x^3 + 2 x^2 + 2 x + 2}{x^{11} - 38 x^3 + 2 x^2 - 38 x + 2}$$

Sequence: A167074
Score: 4.47506
Type of gen. func.: ogf

$$-(f(x) - 1) (20 f(x) x - f(x) + x + 1) (20 f(x) x + f(x) - 41 x - 1)$$

Sequence: A167074
Score: 5.15310
Type of gen. func.: ogf

$$\frac{21 x^{12} + x^{11} + 2 x^3 + 2 x^2 + 2 x + 2}{x^{11} - 40 x^3 + 2 x^2 - 40 x + 2}$$

Sequence: A167075
Score: 4.49938
Type of gen. func.: ogf

$$-(f(x) - 1) (21 f(x) x - f(x) + x + 1) (21 f(x) x + f(x) - 43 x - 1)$$

Sequence: A167075
Score: 5.18110
Type of gen. func.: ogf

$$\frac{22 x^{12} + x^{11} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{11} - 42 x^{3} + 2 x^{2} - 42 x + 2}$$

Sequence: A167076
Score: 4.62098
Type of gen. func.: ogf

$$-(f(x) - 1) (22 f(x) x - f(x) + x + 1) (22 f(x) x + f(x) - 45 x - 1)$$

Sequence: A167076
Score: 5.32113
Type of gen. func.: ogf

$$\frac{23 x^{12} + x^{11} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{11} - 44 x^{3} + 2 x^{2} - 44 x + 2}$$

Sequence: A167077
Score: 4.6453
Type of gen. func.: ogf

$$-(f(x) - 1) (23 f(x) x - f(x) + x + 1) (23 f(x) x + f(x) - 47 x - 1)$$

Sequence: A167077
Score: 5.34914
Type of gen. func.: ogf

$$\frac{24 x^{12} + x^{11} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{11} - 46 x^{3} + 2 x^{2} - 46 x + 2}$$

Sequence: A167078
Score: 4.69394
Type of gen. func.: ogf

$$-(f(x) - 1) (24 f(x) x - f(x) + x + 1) (24 f(x) x + f(x) - 49 x - 1)$$

Sequence: A167078
Score: 5.40515
Type of gen. func.: ogf

$$\frac{25 x^{12} + x^{11} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{11} - 48 x^{3} + 2 x^{2} - 48 x + 2}$$

Sequence: A167079
Score: 4.74259
Type of gen. func.: ogf

$$-(f(x) - 1) (25 f(x) x - f(x) + x + 1) (25 f(x) x + f(x) - 51 x - 1)$$

Sequence: A167079
Score: 5.46116
Type of gen. func.: ogf

$$\frac{26 x^{12} + x^{11} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{11} - 50 x^{3} + 2 x^{2} - 50 x + 2}$$

Sequence: A167080
Score: 4.79123
Type of gen. func.: ogf

$$-(f(x) - 1) (26 f(x) x - f(x) + x + 1) (26 f(x) x + f(x) - 53 x - 1)$$

Sequence: A167080
Score: 5.51717
Type of gen. func.: ogf

12   11   3   2

$$\frac{27 x + x + 2 x + 2 x + 2 x + 2}{x^{11} - 52 x^{3} + 2 x^{2} - 52 x + 2}$$

Sequence: A167081
Score: 4.86419
Type of gen. func.: ogf

$$-(f(x) - 1) (27 f(x) x - f(x) + x + 1) (27 f(x) x + f(x) - 55 x - 1)$$

Sequence: A167081
Score: 5.60119
Type of gen. func.: ogf

$$\frac{28 x^{12} + x^{11} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{11} - 54 x^{3} + 2 x^{2} - 54 x + 2}$$

Sequence: A167082
Score: 4.88851
Type of gen. func.: ogf

$$-(f(x) - 1) (28 f(x) x - f(x) + x + 1) (28 f(x) x + f(x) - 57 x - 1)$$

Sequence: A167082
Score: 5.62920
Type of gen. func.: ogf

$$\frac{29 x^{12} + x^{11} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{11} - 56 x^{3} + 2 x^{2} - 56 x + 2}$$

Sequence: A167083
Score: 4.93715
Type of gen. func.: ogf

$$-(f(x) - 1) (29 f(x) x - f(x) + x + 1) (29 f(x) x + f(x) - 59 x - 1)$$

Sequence: A167083
Score: 5.68521
Type of gen. func.: ogf

$$\frac{30 x^{12} + x^{11} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{11} - 58 x^{3} + 2 x^{2} - 58 x + 2}$$

Sequence: A167084
Score: 4.96147
Type of gen. func.: ogf

$$-(f(x) - 1) (30 f(x) x - f(x) + x + 1) (30 f(x) x + f(x) - 61 x - 1)$$

Sequence: A167084
Score: 5.71321
Type of gen. func.: ogf

$$\frac{31 x^{12} + x^{11} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{11} - 60 x^{3} + 2 x^{2} - 60 x + 2}$$

Sequence: A167085
Score: 4.96147
Type of gen. func.: ogf

$$-(f(x) - 1) (31 f(x) x - f(x) + x + 1) (31 f(x) x + f(x) - 63 x - 1)$$

Sequence: A167085
Score: 5.71321
Type of gen. func.: ogf

$$\frac{32 x^{12} + x^{11} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{11} - 62 x^{3} + 2 x^{2} - 62 x + 2}$$

Sequence: A167086
Score: 5.13172
Type of gen. func.: ogf

$$-(f(x) - 1) (32 f(x) x - f(x) + x + 1) (32 f(x) x + f(x) - 65 x - 1)$$

Sequence: A167086
Score: 5.90925
Type of gen. func.: ogf

$$\frac{33 x^{12} + x^{11} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{11} - 64 x^{3} + 2 x^{2} - 64 x + 2}$$

Sequence: A167087
Score: 5.13172
Type of gen. func.: ogf

$$-(f(x) - 1) (33 f(x) x - f(x) + x + 1) (33 f(x) x + f(x) - 67 x - 1)$$

Sequence: A167087
Score: 5.90925
Type of gen. func.: ogf

$$\frac{34 x^{12} + x^{11} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{11} - 66 x^{3} + 2 x^{2} - 66 x + 2}$$

Sequence: A167088
Score: 5.13172
Type of gen. func.: ogf

$$-(f(x) - 1) (34 f(x) x - f(x) + x + 1) (34 f(x) x + f(x) - 69 x - 1)$$

Sequence: A167088
Score: 5.90925
Type of gen. func.: ogf

$$\frac{35 x^{12} + x^{11} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{11} - 68 x^{3} + 2 x^{2} - 68 x + 2}$$

Sequence: A167089
Score: 5.18036
Type of gen. func.: ogf

$$-(f(x) - 1) (35 f(x) x - f(x) + x + 1) (35 f(x) x + f(x) - 71 x - 1)$$

Sequence: A167089
Score: 5.96527
Type of gen. func.: ogf

$$\frac{36 x^{12} + x^{11} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{11} - 70 x^{3} + 2 x^{2} - 70 x + 2}$$

Sequence: A167090
Score: 5.35968
Type of gen. func.: ogf

$$-(36 f(x) x - f(x) + x + 1) (36 f(x) x + f(x) - 73 x - 1)$$

Sequence: A167090
Score: 7.79591
Type of gen. func.: ogf

$$\frac{37 x^{12} + x^{11} + 2 x + 2}{x^{11} - 72 x + 2}$$

Sequence: A167091
Score: 5.35968
Type of gen. func.: ogf

$$-(37 f(x) x - f(x) + x + 1) (37 f(x) x + f(x) - 75 x - 1)$$

Sequence: A167091
Score: 7.79591
Type of gen. func.: ogf

$$\frac{38 x^{12} + x^{11} + 2 x + 2}{x^{11} - 74 x + 2}$$

Sequence: A167092
Score: 5.4161
Type of gen. func.: ogf

$$-(38 f(x) x - f(x) + x + 1) (38 f(x) x + f(x) - 77 x - 1)$$

Sequence: A167092
Score: 7.87797
Type of gen. func.: ogf

$$\frac{39 x^{12} + x^{11} + 2 x + 2}{x^{11} - 76 x + 2}$$

Sequence: A167093
Score: 5.44431
Type of gen. func.: ogf

$$-(39 f(x) x - f(x) + x + 1) (39 f(x) x + f(x) - 79 x - 1)$$

Sequence: A167093
Score: 7.91900
Type of gen. func.: ogf

$$\frac{40 x^{12} + x^{11} + 2 x + 2}{x^{11} - 78 x + 2}$$

Sequence: A167094
Score: 5.50073
Type of gen. func.: ogf

$$-(40 f(x) x - f(x) + x + 1) (40 f(x) x + f(x) - 81 x - 1)$$

Sequence: A167094
Score: 8.00106
Type of gen. func.: ogf

$$\frac{41 x^{12} + x^{11} + 2 x + 2}{x^{11} - 80 x + 2}$$

Sequence: A167095
Score: 5.50073
Type of gen. func.: ogf

$$-(41 f(x) x - f(x) + x + 1) (41 f(x) x + f(x) - 83 x - 1)$$

Sequence: A167095
Score: 8.00106
Type of gen. func.: ogf

$$\frac{42 x^{12} + x^{11} + 2 x + 2}{x^{11} - 82 x + 2}$$

Sequence: A167096
Score: 5.52894
Type of gen. func.: ogf

$$-(42 f(x) x - f(x) + x + 1) (42 f(x) x + f(x) - 85 x - 1)$$

Sequence: A167096
Score: 8.04209
Type of gen. func.: ogf

$$\frac{43 x^{12} + x^{11} + 2 x + 2}{x^{11} - 84 x + 2}$$

Sequence: A167097

Score: 5.55714
Type of gen. func.: ogf

$$-(43 f(x) x - f(x) + x + 1) (43 f(x) x + f(x) - 87 x - 1)$$

Sequence: A167097
Score: 8.08312
Type of gen. func.: ogf

$$\frac{44 x^{12} + x^{11} + 2 x + 2}{x^{11} - 86 x + 2}$$

Sequence: A167098
Score: 5.61356
Type of gen. func.: ogf

$$-(44 f(x) x - f(x) + x + 1) (44 f(x) x + f(x) - 89 x - 1)$$

Sequence: A167098
Score: 8.16518
Type of gen. func.: ogf

$$\frac{45 x^{12} + x^{11} + 2 x + 2}{x^{11} - 88 x + 2}$$

Sequence: A167099
Score: 5.61356
Type of gen. func.: ogf

$$-(45 f(x) x - f(x) + x + 1) (45 f(x) x + f(x) - 91 x - 1)$$

Sequence: A167099
Score: 8.16518
Type of gen. func.: ogf

$$\frac{46 x^{12} + x^{11} + 2 x + 2}{{}^{11}}$$

$$x - 90 x + 2$$

Sequence: A167100
Score: 5.61356
Type of gen. func.: ogf

$$-(46 f(x) x - f(x) + x + 1) (46 f(x) x + f(x) - 93 x - 1)$$

Sequence: A167100
Score: 8.16518
Type of gen. func.: ogf

$$\frac{47 x^{12} + x^{11} + 2 x + 2}{x^{11} - 92 x + 2}$$

Sequence: A167101
Score: 5.7264
Type of gen. func.: ogf

$$-(47 f(x) x - f(x) + x + 1) (47 f(x) x + f(x) - 95 x - 1)$$

Sequence: A167101
Score: 8.32930
Type of gen. func.: ogf

$$\frac{48 x^{12} + x^{11} + 2 x + 2}{x^{11} - 94 x + 2}$$

Sequence: A167102
Score: 5.7264
Type of gen. func.: ogf

$$-(48 f(x) x - f(x) + x + 1) (48 f(x) x + f(x) - 97 x - 1)$$

Sequence: A167102
Score: 8.32930

Type of gen. func.: ogf

$$\frac{49 x^{12} + x^{11} + 2 x + 2}{x^{11} - 96 x + 2}$$

Sequence: A167103
Score: 5.7264
Type of gen. func.: ogf

$$-(49 f(x) x - f(x) + x + 1) (49 f(x) x + f(x) - 99 x - 1)$$

Sequence: A167103
Score: 8.32930
Type of gen. func.: ogf

$$\frac{50 x^{12} + x^{11} + 2 x + 2}{x^{11} - 98 x + 2}$$

Sequence: A167105
Score: 9.77429
Type of gen. func.: ogf

$$(f(x) - 1) (3 f(x) x - f(x) + x + 1)^2$$

Sequence: A167106
Score: 3.42633
Type of gen. func.: ogf

$$(5 x^{13} + x^{12} + 2 x^9 + 2 x^8 + 2 x^7 + 2 x^6 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2) / (x^{12} - 8 x^9 + 2 x^8 - 8 x^7 + 2 x^6 - 8 x^5 + 2 x^4 - 8 x^3 + 2 x^2 - 8 x + 2)$$

Sequence: A167106
Score: 9.81876

Type of gen. func.: ogf

$$(f(x) - 1) (4 f(x) x - f(x) + x + 1)^2$$

Sequence: A167107
Score: 3.75071
Type of gen. func.: ogf

$$\frac{6 x^{13} + x^{12} + 2 x^7 + 2 x^6 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{x^{12} - 10 x^7 + 2 x^6 - 10 x^5 + 2 x^4 - 10 x^3 + 2 x^2 - 10 x + 2}$$

Sequence: A167107
Score: 9.18086
Type of gen. func.: ogf

$$(f(x) - 1) (5 f(x) x - f(x) + x + 1)^2$$

Sequence: A167108
Score: 3.69426
Type of gen. func.: ogf

$$\frac{7 x^{13} + x^{12} + 2 x^7 + 2 x^6 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{x^{12} - 12 x^7 + 2 x^6 - 12 x^5 + 2 x^4 - 12 x^3 + 2 x^2 - 12 x + 2}$$

Sequence: A167108
Score: 9.04269
Type of gen. func.: ogf

$$(f(x) - 1) (6 f(x) x - f(x) + x + 1)^2$$

Sequence: A167109
Score: 4.45929
Type of gen. func.: ogf

$$8 x^{13} + x^{12} + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2$$

$$\overline{x^{12} - 14 x^{5} + 2 x^{4} - 14 x^{3} + 2 x^{2} - 14 x + 2}$$

Sequence: A167109
Score: 8.71892
Type of gen. func.: ogf

$$(f(x) - 1) (7 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A167110
Score: 4.68798
Type of gen. func.: ogf

$$\frac{9 x^{13} + x^{12} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{12} - 16 x^{5} + 2 x^{4} - 16 x^{3} + 2 x^{2} - 16 x + 2}$$

Sequence: A167110
Score: 9.16605
Type of gen. func.: ogf

$$(f(x) - 1) (8 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A167111
Score: 4.34974
Type of gen. func.: ogf

$$\frac{10 x^{13} + x^{12} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{12} - 18 x^{5} + 2 x^{4} - 18 x^{3} + 2 x^{2} - 18 x + 2}$$

Sequence: A167111
Score: 8.56964
Type of gen. func.: ogf

$$(f(x) - 1) (9 f(x) x - f(x) + x + 1)^{2}$$

Sequence: A167112
Score: 5.60557
Type of gen. func.: ogf

$$\frac{11 x^{13} + x^{12} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{12} - 20 x^{3} + 2 x^{2} - 20 x + 2}$$

Sequence: A167113
Score: 5.60557
Type of gen. func.: ogf

$$\frac{12 x^{13} + x^{12} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{12} - 22 x^{3} + 2 x^{2} - 22 x + 2}$$

Sequence: A167114
Score: 4.39894
Type of gen. func.: ogf

$$-(f(x) - 1) (12 f(x) x - f(x) + x + 1) (12 f(x) x + f(x) - 25 x - 1)$$

Sequence: A167114
Score: 5.06543
Type of gen. func.: ogf

$$\frac{13 x^{13} + x^{12} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{12} - 24 x^{3} + 2 x^{2} - 24 x + 2}$$

Sequence: A167115
Score: 4.49835
Type of gen. func.: ogf

$$-(f(x) - 1) (13 f(x) x - f(x) + x + 1) (13 f(x) x + f(x) - 27 x - 1)$$

Sequence: A167115

Score: 5.17991
Type of gen. func.: ogf

$$\frac{14 x^{13} + x^{12} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{12} - 26 x^{3} + 2 x^{2} - 26 x + 2}$$

Sequence: A167116
Score: 4.62261
Type of gen. func.: ogf

$$-(f(x) - 1) (14 f(x) x - f(x) + x + 1) (14 f(x) x + f(x) - 29 x - 1)$$

Sequence: A167116
Score: 5.32300
Type of gen. func.: ogf

$$\frac{15 x^{13} + x^{12} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{12} - 28 x^{3} + 2 x^{2} - 28 x + 2}$$

Sequence: A167117
Score: 4.69717
Type of gen. func.: ogf

$$-(f(x) - 1) (15 f(x) x - f(x) + x + 1) (15 f(x) x + f(x) - 31 x - 1)$$

Sequence: A167117
Score: 5.40886
Type of gen. func.: ogf

$$\frac{16 x^{13} + x^{12} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{12} - 30 x^{3} + 2 x^{2} - 30 x + 2}$$

Sequence: A167120
Score: 3.93836
Type of gen. func.: ogf

$\{a(n + 4) - 21 a(n + 3) + 84 a(n + 2) - 64 a(n + 1), a(0) = 1, a(1) = 22,$

$a(2) = 376, a(3) = 6113\}$

Sequence: A167120
Score: 4.05336
Type of gen. func.: ogf

$(-27350179 + 552636889 f(x))$

$(64 f(x) x^3 - 84 f(x) x^2 + x^3 + 21 f(x) x - 2 x^2 - f(x) + x + 1)$

Sequence: A167120
Score: 7.55523
Type of gen. func.: lgdogf

$$\frac{44 x^4 - 86 x^3 - 153 x^2 + 172 x - 22}{(x - 1) (4 x - 1) (16 x - 1) (x^3 - 2 x^2 + x + 1)}$$

Sequence: A167120
Score: 7.71262
Type of gen. func.: ogf

$$-\frac{x^3 - 2 x^2 + x + 1}{(x - 1) (4 x - 1) (16 x - 1)}$$

Sequence: A167121
Score: 3.93836
Type of gen. func.: ogf

$\{a(n + 4) - 21 a(n + 3) + 84 a(n + 2) - 64 a(n + 1), a(0) = 1, a(1) = 22,$

$a(2) = 377, a(3) = 6134\}$

Sequence: A167121
Score: 3.99503
Type of gen. func.: ogf

$(2476175393 f(x) - 137603752)$

$$(64 f(x) x^3 - 84 f(x) x^2 + x^3 + 21 f(x) x - x^2 - f(x) + x + 1)$$

Sequence: A167121
Score: 7.71262
Type of gen. func.: ogf

$$- \frac{x^3 - x^2 + x + 1}{(x - 1) (4 x - 1) (16 x - 1)}$$

Sequence: A167121
Score: 7.77109
Type of gen. func.: lgdogf

$$- \frac{2 (10 x^4 + 43 x^3 + 66 x^2 - 85 x + 11)}{(x - 1) (4 x - 1) (16 x - 1) (x^3 - x^2 + x + 1)}$$

Sequence: A167122
Score: 3.93836
Type of gen. func.: ogf

$$\{a(n + 4) - 21 a(n + 3) + 84 a(n + 2) - 64 a(n + 1), a(0) = 1, a(1) = 22,$$

$$a(2) = 378, a(3) = 6155\}$$

Sequence: A167122
Score: 4.37252
Type of gen. func.: ogf

$$(43093287 f(x) - 2692580)$$

$$(64 f(x) x^3 - 84 f(x) x^2 + x^3 + 21 f(x) x - f(x) + x + 1)$$

Sequence: A167122
Score: 8.24207
Type of gen. func.: lgdogf

$$- \frac{84 x^4 + 86 x^3 + 111 x^2 - 168 x + 22}{}$$

$$(x - 1) (4 x - 1) (16 x - 1) (x^3 + x + 1)$$

Sequence: A167122
Score: 8.67670
Type of gen. func.: ogf

$$-\frac{x^3 + x + 1}{(x - 1) (4 x - 1) (16 x - 1)}$$

Sequence: A167124
Score: 4.82143
Type of gen. func.: ogf

$$-(f(x) - 1) (16 f(x) x - f(x) + x + 1) (16 f(x) x + f(x) - 33 x - 1)$$

Sequence: A167124
Score: 5.55195
Type of gen. func.: ogf

$$\frac{17 x^{13} + x^{12} + 2 x^3 + 2 x^2 + 2 x + 2}{x^{12} - 32 x^3 + 2 x^2 - 32 x + 2}$$

Sequence: A167125
Score: 4.89599
Type of gen. func.: ogf

$$-(f(x) - 1) (17 f(x) x - f(x) + x + 1) (17 f(x) x + f(x) - 35 x - 1)$$

Sequence: A167125
Score: 5.63780
Type of gen. func.: ogf

$$\frac{18 x^{13} + x^{12} + 2 x^3 + 2 x^2 + 2 x + 2}{x^{12} - 34 x^3 + 2 x^2 - 34 x + 2}$$

Sequence: A167126
Score: 7.29843
Type of gen. func.: ogf

$$(f(x) - 1)^{2} (18 f(x) x - f(x) + x + 1)$$

Sequence: A167126
Score: 7.51961
Type of gen. func.: ogf

$$\frac{19 x^{13} + x^{12} + 2 x + 2}{x^{12} - 36 x + 2}$$

Sequence: A167127
Score: 3.53307
Type of gen. func.: ogf

$$-(324661177283618152859861058058000000 f(x) - 537312233466559535843096877261396121) (1000000 f(x) x^{4} + 884736 x^{3} + 68921 x^{2} - f(x) + 216 x + 1)$$

Sequence: A167127
Score: 8.35524
Type of gen. func.: ogf

$$- \frac{884736 x^{3} + 68921 x^{2} + 216 x + 1}{(1000 x^{2} - 1) (1000 x^{2} + 1)}$$

Sequence: A167148
Score: 7.37998
Type of gen. func.: ogf

$$(f(x) - 1)^{2} (19 f(x) x - f(x) + x + 1)$$

Sequence: A167148
Score: 7.60362
Type of gen. func.: ogf

$$\frac{20 x^{13} + x^{12} + 2 x + 2}{x^{12} - 38 x + 2}$$

Sequence: A167149
Score: 13.2276
Type of gen. func.: ogf

$$-\frac{x (9997 x + 1)}{(x - 1)^{3}}$$

Sequence: A167149
Score: 20.1952
Type of gen. func.: lgdogf

$$-\frac{2 (5000 + 9997 x)}{(9997 x + 1) (x - 1)}$$

Sequence: A167149
Score: 5.32653
Type of gen. func.: ogf

$$-(29980005099400028 f(x) - 99910032993900569979)$$

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 9997 x^{2} - f(x) + x)$$

Sequence: A167149
Score: 6.90134
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 10000\}$

Sequence: A167150
Score: 7.5023
Type of gen. func.: ogf

$$(f(x) - 1)^2 (20 f(x) x - f(x) + x + 1)$$

Sequence: A167150
Score: 7.72965
Type of gen. func.: ogf

$$\frac{21 x^{13} + x^{12} + 2 x + 2}{x^{12} - 40 x + 2}$$

Sequence: A167155
Score: 10.4589
Type of gen. func.: lgdogf

$$\frac{18 x^{10} - 28 x^9 + 37 x^8 - 62 x^7 + 35 x^6 + 5 x^2 - 10 x + 6}{(x - 1) (2 x^{10} - x^9 + 4 x^8 - 5 x^7 + 5 x^2 - 5 x - 1)}$$

Sequence: A167155
Score: 12.7089
Type of gen. func.: ogf

$$\frac{2 x^{10} - x^9 + 4 x^8 - 5 x^7 + 5 x^2 - 5 x - 1}{x - 1}$$

Sequence: A167166
Score: 7.20683
Type of gen. func.: ogf

$$- \frac{x (15 x^{14} + 5 x^{12} + 3 x^{10} + 9 x^8 + 7 x^6 + 13 x^4 + 11 x^2 + 1)}{(x - 1) (1 + x) (x^2 + 1) (x^4 + 1) (x^8 + 1)}$$

Sequence: A167167
Score: 13.9058
Type of gen. func.: ogf

$$-\frac{2x^2 + 2x - 1}{(2x - 1)(1 + x)}$$

Sequence: A167167
Score: 18.6264
Type of gen. func.: lgdogf

$$-\frac{2x^2 + 1}{(2x - 1)(1 + x)(2x^2 + 2x - 1)}$$

Sequence: A167167
Score: 7.22558
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - 2 a(n + 1), a(0) = -1, a(1) = 1, a(2) = 1}

Sequence: A167167
Score: 7.59803
Type of gen. func.: ogf

$$-(f(x) + 2)(2 f(x) x^2 + f(x) x + 2 x^2 - f(x) + 2 x - 1)$$

Sequence: A167173
Score: 7.54307
Type of gen. func.: ogf

$$(f(x) - 1)^2 (21 f(x) x - f(x) + x + 1)$$

Sequence: A167173
Score: 7.77165
Type of gen. func.: ogf

$$\frac{22 x^{13} + x^{12} + 2x + 2}{x^{12} - 42 x + 2}$$

Sequence: A167174
Score: 7.74694
Type of gen. func.: ogf

$$(f(x) - 1)^{2} (22 f(x) x - f(x) + x + 1)$$

Sequence: A167174
Score: 7.98170
Type of gen. func.: ogf

$$\frac{23 x^{13} + x^{12} + 2 x + 2}{x^{12} - 44 x + 2}$$

Sequence: A167176
Score: 11.0454
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n), a(0) = 0, a(1) = 1, a(2) = 8\}$$

Sequence: A167176
Score: 16.9062
Type of gen. func.: ogf

$$-f(x) x^{3} - 8 x^{2} + f(x) - x$$

Sequence: A167176
Score: 18.4090
Type of gen. func.: ogf

$$- \frac{x (8 x + 1)}{(x - 1) (x^{2} + x + 1)}$$

Sequence: A167176
Score: 23.7238

Type of gen. func.: lgdogf

$$-\frac{16x^3+3x^2+8}{(x-1)(8x+1)(x^2+x+1)}$$

Sequence: A167177
Score: 17.3257
Type of gen. func.: lgdogf

$$-\frac{13x^4+21x^3+17x^2+10x+2}{(x^2+x+1)(x^3+x^2+1)}$$

Sequence: A167177
Score: 6.33794
Type of gen. func.: ogf

$$\frac{1}{(x^2+x+1)^2(x^3+x^2+1)^3}$$

Sequence: A167179
Score: 10.5938
Type of gen. func.: ogf

$$-\frac{5x^{13}-5x^{12}-2x^6-x^5+2x-4}{(x-1)^2}$$

Sequence: A167179
Score: 9.32658
Type of gen. func.: lgdogf

$$\frac{55x^{13}-115x^{12}+60x^{11}-8x^6+9x^5+5x^4-2x+6}{(x-1)(5x^{13}-5x^{12}-2x^6-x^5+2x-4)}$$

Sequence: A167183
Score: 7.78771
Type of gen. func.: ogf

$$(f(x) - 1)^2 (23 f(x) x - f(x) + x + 1)$$

Sequence: A167183
Score: 8.02371
Type of gen. func.: ogf

$$\frac{24 x^{13} + x^{12} + 2 x + 2}{x^{12} - 46 x + 2}$$

Sequence: A167190
Score: 7.15173
Type of gen. func.: ogf

$$- \frac{x^3 - 13132 x^2 - 60931 x - 17594}{(x - 1)^4}$$

Sequence: A167190
Score: 9.04293
Type of gen. func.: lgdogf

$$- \frac{x^3 - 26261 x^2 - 209057 x - 131307}{(x - 1) (x^3 - 13132 x^2 - 60931 x - 17594)}$$

Sequence: A167191
Score: 13.8552
Type of gen. func.: lgdogf

$$- \frac{192 x^2 + 1431 x + 857}{(x - 1) (96 x^2 + 413 x + 111)}$$

Sequence: A167191
Score: 3.82478
Type of gen. func.: ogf

$$(622945258420960 f(x) + 4833496374470475273) \left(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 2304 x^2 + f(x) - 9912 x - 2664 \right)$$

Sequence: A167191
Score: 8.33608
Type of gen. func.: ogf

$$\frac{24 (96 x^2 + 413 x + 111)}{(x - 1)^4}$$

Sequence: A167193
Score: 15.1467
Type of gen. func.: ogf

$$\frac{x^2 - 2 x - 1}{(x - 1) (2 x + 1) (1 + x)}$$

Sequence: A167193
Score: 19.1865
Type of gen. func.: lgdogf

$$- \frac{2 x^2 (x^2 - 4 x - 3)}{(x - 1) (2 x + 1) (1 + x) (x^2 - 2 x - 1)}$$

Sequence: A167193
Score: 8.32385
Type of gen. func.: ogf

$$(f(x) - 1) (2 f(x) x^3 + f(x) x^2 - 2 f(x) x - x^2 - f(x) + 2 x + 1)$$

Sequence: A167193
Score: 8.39953
Type of gen. func.: ogf

$$\{a(n + 3) + 2 a(n + 2) - a(n + 1) - 2 a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$$

Sequence: A167199
Score: 2.47918
Type of gen. func.: egf]

$$-f(x) x^{2} - 4 f(x) x - 2 f(x) + 2$$

Sequence: A167199
Score: 4.43248
Type of gen. func.: egf]

$$\frac{2}{x^{2} + 4 x + 2}$$

Sequence: A167199
Score: 7.43349
Type of gen. func.: lgdegf]

$$-\frac{2 (2 + x)}{x^{2} + 4 x + 2}$$

Sequence: A167205
Score: 10.0373
Type of gen. func.: ogf

$$-\frac{3 x^{3} + 5 x^{2} - x - 1}{(x - 1) (3 x - 1) (1 + 3 x) (1 + x)}$$

Sequence: A167205
Score: 6.02239
Type of gen. func.: ogf

$$-(242 f(x) - 101) (9 f(x) x^4 - 10 f(x) x^2 + 3 x^3 + 5 x^2 + f(x) - x - 1)$$

Sequence: A167205
Score: 7.46299
Type of gen. func.: lgdogf

$$-\frac{27 x^6 + 90 x^5 + 3 x^4 - 36 x^3 + x^2 + 10 x + 1}{(x - 1) (3 x - 1) (1 + 3 x) (1 + x) (3 x^3 + 5 x^2 - x - 1)}$$

Sequence: A167208
Score: 5.13612
Type of gen. func.: ogf

$$(99 x^{10} + 11 x^9 + 101 x^8 + 111 x^7 + 111 x^6 + 111 x^5 + 111 x^4 + 111 x^3 + 111 x^2 + 111 x + 12) / ((1 + x) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A167212
Score: 7.86926
Type of gen. func.: ogf

$$(f(x) - 1)^2 (24 f(x) x - f(x) + x + 1)$$

Sequence: A167212
Score: 8.10773
Type of gen. func.: ogf

$$\frac{25 x^{13} + x^{12} + 2 x + 2}{x^{12} - 48 x + 2}$$

Sequence: A167225

Score: 7.95081
Type of gen. func.: ogf

$$(f(x) - 1)^2 (25 f(x) x - f(x) + x + 1)$$

Sequence: A167225
Score: 8.19174
Type of gen. func.: ogf

$$\frac{26 x^{13} + x^{12} + 2 x + 2}{x^{12} - 50 x + 2}$$

Sequence: A167226
Score: 8.03235
Type of gen. func.: ogf

$$(f(x) - 1)^2 (26 f(x) x - f(x) + x + 1)$$

Sequence: A167226
Score: 8.27576
Type of gen. func.: ogf

$$\frac{27 x^{13} + x^{12} + 2 x + 2}{x^{12} - 52 x + 2}$$

Sequence: A167235
Score: 8.15467
Type of gen. func.: ogf

$$(f(x) - 1)^2 (27 f(x) x - f(x) + x + 1)$$

Sequence: A167235
Score: 8.40179
Type of gen. func.: ogf

13   12

$$\frac{28 x + x + 2 x + 2}{x^{12} - 54 x + 2}$$

Sequence: A167238
Score: 6.39639
Type of gen. func.: ogf

$$-\frac{x^{4} - 4 x^{3} + 2 x^{2} - 2 x - 1}{(1 + x) (x - 1)^{4}}$$

Sequence: A167238
Score: 8.41348
Type of gen. func.: lgdogf

$$-\frac{x^{5} - 5 x^{4} - 2 x^{3} - 14 x^{2} - 7 x - 5}{(x - 1) (1 + x) (x^{4} - 4 x^{3} + 2 x^{2} - 2 x - 1)}$$

Sequence: A167280
Score: 7.82347
Type of gen. func.: ogf

$$-\frac{x^{2} (5 x^{9} + 8 x^{8} + 4 x^{7} + 7 x^{6} + 8 x^{5} + 4 x^{4} + 7 x^{3} + 4 x^{2} + 2 x + 1)}{(x - 1) (1 + x) (x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1)}$$

Sequence: A167285
Score: 8.19545
Type of gen. func.: ogf

$$(f(x) - 1)^{2} (28 f(x) x - f(x) + x + 1)$$

Sequence: A167285
Score: 8.44380
Type of gen. func.: ogf

$$\frac{29 x^{13} + x^{12} + 2 x + 2}{x^{12} - 56 x + 2}$$

Sequence: A167291
Score: 12.8063
Type of gen. func.: ogf

$$- \frac{2 (3 x^2 + 1)}{(x - 1) (4 x^2 + 1)}$$

Sequence: A167291
Score: 16.4313
Type of gen. func.: lgdogf

$$- \frac{12 x^4 + 9 x^2 - 2 x + 1}{(x - 1) (4 x^2 + 1) (3 x^2 + 1)}$$

Sequence: A167291
Score: 6.57619
Type of gen. func.: ogf

$$-(f(x) - 2) (4 f(x) x^3 - 4 f(x) x^2 + f(x) x + 6 x^2 - f(x) + 2)$$

Sequence: A167291
Score: 6.57619
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) + 4 a(n + 1) - 4 a(n), a(0) = 2, a(1) = 2, a(2) = 0\}$$

Sequence: A167370
Score: 5.66643
Type of gen. func.: ogf

$$-(f(x) - 1) (29 f(x) x - f(x) + x + 1) (29 f(x) x + f(x) - 59 x - 1)$$

Sequence: A167370
Score: 6.52497
Type of gen. func.: ogf

$$\frac{30 x^{13} + x^{12} + 2 x^3 + 2 x^2 + 2 x + 2}{x^{12} - 58 x^3 + 2 x^2 - 58 x + 2}$$

Sequence: A167373
Score: 13.9619
Type of gen. func.: ogf

$$f(x) x^2 + f(x) x - 3 x^2 + f(x) - 4 x - 1$$

Sequence: A167373
Score: 18.7036
Type of gen. func.: ogf

$$\frac{(1 + x) (1 + 3 x)}{x^2 + x + 1}$$

Sequence: A167373
Score: 34.9676
Type of gen. func.: lgdogf

$$- \frac{x^2 - 4 x - 3}{(1 + 3 x) (1 + x) (x^2 + x + 1)}$$

Sequence: A167373
Score: 9.71856
Type of gen. func.: ogf

$$\{a(n + 3) + a(n + 2) + a(n + 1), a(0) = 1, a(1) = 3, a(2) = -1\}$$

Sequence: A167375

Score: 15.3247
Type of gen. func.: ogf

$$\frac{3 x^2 + 1}{x^2 - 3 x + 1}$$

Sequence: A167375
Score: 19.9308
Type of gen. func.: lgdogf

$$-\frac{9 x^2 - 4 x - 3}{(x^2 - 3 x + 1) (3 x^2 + 1)}$$

Sequence: A167375
Score: 7.29037
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 3, a(2) = 11\}$$

Sequence: A167375
Score: 7.74131
Type of gen. func.: ogf

$$-(224 f(x) - 305) (f(x) x^2 - 3 f(x) x - 3 x^2 + f(x) - 1)$$

Sequence: A167378
Score: 8.31777
Type of gen. func.: ogf

$$(f(x) - 1)^2 (30 f(x) x - f(x) + x + 1)$$

Sequence: A167378
Score: 8.56982
Type of gen. func.: ogf

$$31 x^{13} + x^{12} + 2 x + 2$$

$$\frac{\quad}{x^{12} - 60 x + 2}$$

Sequence: A167380
Score: 12.5996
Type of gen. func.: ogf

$$\frac{(1 + x) (3 x^2 + 1)}{x^2 - x + 1}$$

Sequence: A167380
Score: 18.2933
Type of gen. func.: lgdogf

$$\frac{3 x^4 - 6 x^3 + 5 x^2 + 4 x + 2}{(1 + x) (x^2 - x + 1) (3 x^2 + 1)}$$

Sequence: A167380
Score: 6.74191
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 3) - a(n + 2), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 5\}$$

Sequence: A167380
Score: 7.25074
Type of gen. func.: ogf

$$-(11 f(x) - 3) (f(x) x^2 - 3 x^3 - f(x) x - 3 x^2 + f(x) - x - 1)$$

Sequence: A167381
Score: 15.6513
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^3 - 3 x^2 - 3}{x^2 + 1}$$

Sequence: A167382
Score: 8.31777
Type of gen. func.: ogf

$$(f(x) - 1)^2 (31 f(x) x - f(x) + x + 1)$$

Sequence: A167382
Score: 8.56982
Type of gen. func.: ogf

$$\frac{32 x^{13} + x^{12} + 2 x + 2}{x^{12} - 62 x + 2}$$

Sequence: A167385
Score: 13.8538
Type of gen. func.: ogf

$$\frac{(1 + x)^2}{(x - 1) (x^3 + x^2 - 1)}$$

Sequence: A167385
Score: 19.2989
Type of gen. func.: lgdogf

$$- \frac{2 x^4 + 4 x^3 - x - 3}{(x - 1) (1 + x) (x^3 + x^2 - 1)}$$

Sequence: A167385
Score: 7.54535
Type of gen. func.: ogf

$$(49 f(x) - 4) (f(x) x^4 - f(x) x^2 - f(x) x - x^2 + f(x) - 2 x - 1)$$

Sequence: A167386
Score: 12.2547
Type of gen. func.: ogf

$$\frac{1 + 3 x}{(1 + x)^{4}}$$

Sequence: A167386
Score: 36.8670
Type of gen. func.: lgdogf

$$- \frac{9 x + 1}{(1 + x) (1 + 3 x)}$$

Sequence: A167386
Score: 4.95056
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (9 + 4 n) a(n + 2) + (12 + 3 n) a(n + 1), a(0) = 1,$$

$$a(1) = -1, a(2) = -2\}$$

Sequence: A167386
Score: 5.75026
Type of gen. func.: ogf

$$-(832 f(x) - 1103)$$

$$(f(x) x^{4} + 4 f(x) x^{3} + 6 f(x) x^{2} + 4 f(x) x + f(x) - 3 x - 1)$$

Sequence: A167387
Score: 10.1443
Type of gen. func.: ogf

$$\frac{1 + 3 x}{(1 + x)^{5}}$$

Sequence: A167387
Score: 11.7395
Type of gen. func.: lgdogf

$$-372 - 2232 x + (-558 x^2 - 2052 x - 404) f(x) + (-327 x^2 - 436 x - 109) f(x)^2$$

Sequence: A167387
Score: 4.76982
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (10 + 4 n) a(n + 2) + (15 + 3 n) a(n + 1), a(0) = 1,$$
$$a(1) = -2, a(2) = 0\}$$

Sequence: A167391
Score: 8.60318
Type of gen. func.: ogf

$$(f(x) - 1)^2 (32 f(x) x - f(x) + x + 1)$$

Sequence: A167391
Score: 8.86388
Type of gen. func.: ogf

$$\frac{33 x^{13} + x^{12} + 2 x + 2}{x^{12} - 64 x + 2}$$

Sequence: A167396
Score: 8.60318
Type of gen. func.: ogf

$$(f(x) - 1)^2 (33 f(x) x - f(x) + x + 1)$$

Sequence: A167396
Score: 8.86388
Type of gen. func.: ogf

$$34 x^{13} + x^{12} + 2 x + 2$$

$$\overline{x^{12} - 66 x + 2}$$

Sequence: A167398
Score: 10.4366
Type of gen. func.: ogf

$$-\frac{89 x}{x^2 + 199 x - 1}$$

Sequence: A167398
Score: 17.0838
Type of gen. func.: lgdogf

$$-\frac{199 + 2 x}{x^2 + 199 x - 1}$$

Sequence: A167398
Score: 4.96982
Type of gen. func.: ogf

$$\{-a(n + 2) + 199 a(n + 1) + a(n), a(0) = 0, a(1) = 89\}$$

Sequence: A167398
Score: 6.7333
Type of gen. func.: ogf

$$-f(x) x^2 - 199 f(x) x + f(x) - 89 x$$

Sequence: A167398
Score: 8.03941
Type of gen. func.: revogf

$$\frac{-89 - 199 x + (445 x^2 + 398 x + 89)^{1/2} 89^{1/2}}{2 x}$$

Sequence: A167405
Score: 8.60318
Type of gen. func.: ogf

$$(f(x) - 1)^{2} (34 f(x) x - f(x) + x + 1)$$

Sequence: A167405
Score: 8.86388
Type of gen. func.: ogf

$$\frac{35 x^{13} + x^{12} + 2 x + 2}{x^{12} - 68 x + 2}$$

Sequence: A167406
Score: 3.61073
Type of gen. func.: ogf

$$\{(-8 n^{3} - 64 n^{2} - 168 n - 144) a(n + 1) + (-4 n^{2} - 24 n - 36) a(n + 2) + a(n + 3), a(0) = 0, a(1) = 4, a(2) = 64\}$$

Sequence: A167418
Score: 14.0345
Type of gen. func.: lgdogf

$$- \frac{2 (150 x^{2} - 5 x + 2)}{100 x^{3} - 5 x^{2} + 4 x - 1}$$

Sequence: A167418
Score: 15.0665
Type of gen. func.: ogf

$$- \frac{1}{100 x^{3} - 5 x^{2} + 4 x - 1}$$

Sequence: A167418
Score: 5.10950
Type of gen. func.: ogf

$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 100 a(n), a(0) = 1, a(1) = 4, a(2) = 11\}$

Sequence: A167418
Score: 5.39076
Type of gen. func.: ogf

$$-(323 f(x) - 464) (100 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x - f(x) + 1)$$

Sequence: A167420
Score: 11.2632
Type of gen. func.: ogf

$$(f(x) - 1) (f(x) x^3 + 7 x^3 + 4 x^2 - f(x) + 2 x + 1)$$

Sequence: A167420
Score: 14.0989
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^4 + 2 x^3 + 12 x^2 + 4 x + 1)}{(x - 1) (x^2 + x + 1) (7 x^3 + 4 x^2 + 2 x + 1)}$$

Sequence: A167420
Score: 16.4009
Type of gen. func.: ogf

$$- \frac{7 x^3 + 4 x^2 + 2 x + 1}{(x - 1) (x^2 + x + 1)}$$

Sequence: A167420
Score: 9.73802
Type of gen. func.: ogf

$\{-a(n + 4) + a(n + 1), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8\}$

Sequence: A167421
Score: 6.94383
Type of gen. func.: lgdogf

$$- 2 (3 x^{10} + 8 x^{9} + 2 x^{8} - 28 x^{6} + 44 x^{5} - 27 x^{4} + 12 x^{3} + 5 x^{2} + 2 x + 1) / ((x - 1) (1 + x) (x^{4} - x^{3} + x^{2} - x + 1) (11 x^{6} - 5 x^{5} + 8 x^{4} + 4 x^{3} + 2 x^{2} + x + 1))$$

Sequence: A167421
Score: 9.78964
Type of gen. func.: ogf

$$- \frac{11 x^{6} - 5 x^{5} + 8 x^{4} + 4 x^{3} + 2 x^{2} + x + 1}{(x - 1) (1 + x) (x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A167422
Score: 8.94829
Type of gen. func.: ogf

$$f(x)^{2} x - f(x) x + x^{2} - f(x) + 2 x + 1$$

Sequence: A167423
Score: 11.0395
Type of gen. func.: lgdogf

$$- \frac{x^{4} - 9 x^{3} + 18 x^{2} - 13 x - 1}{(x^{2} - 3 x + 1) (x^{3} - 6 x^{2} + 7 x - 1)}$$

Sequence: A167423
Score: 4.45273
Type of gen. func.: ogf

$-(44375 f(x) + 20814)$

$$(f(x) x^4 - 6 f(x) x^3 + 11 f(x) x^2 + x^3 - 6 f(x) x - 6 x^2 + f(x) + 7 x - 1)$$

Sequence: A167423
Score: 8.56295
Type of gen. func.: ogf

$$-\frac{x^3 - 6 x^2 + 7 x - 1}{(x^2 - 3 x + 1)^2}$$

Sequence: A167425
Score: 9.10441
Type of gen. func.: ogf

$$-\frac{13 x^7 + 7 x^6 - 10 x^5 + 8 x^4 + 4 x^3 + 2 x^2 + x + 1}{(x - 1) (x^2 + 1) (x^4 - x^2 + 1)}$$

Sequence: A167426
Score: 10.8807
Type of gen. func.: lgdogf

$$\frac{2 (7 x^6 - 2 x^4 - 30 x^3 - 12 x^2 - 4 x - 1)}{(x - 1) (x^2 + x + 1) (14 x^4 + 7 x^3 + 4 x^2 + 2 x + 1)}$$

Sequence: A167426
Score: 13.2925
Type of gen. func.: ogf

$$-\frac{14 x^4 + 7 x^3 + 4 x^2 + 2 x + 1}{(x - 1) (x^2 + x + 1)}$$

Sequence: A167426

Score: 8.04864
Type of gen. func.: ogf

$$\{-a(n + 5) + a(n + 2), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8, a(4) = 16\}$$

Sequence: A167426
Score: 9.96934
Type of gen. func.: ogf

$$-f(x) (f(x) x^3 + 14 x^4 + 7 x^3 + 4 x^2 - f(x) + 2 x + 1)$$

Sequence: A167429
Score: 8.68473
Type of gen. func.: ogf

$$(f(x) - 1)^2 (35 f(x) x - f(x) + x + 1)$$

Sequence: A167429
Score: 8.94791
Type of gen. func.: ogf

$$\frac{36 x^{13} + x^{12} + 2 x + 2}{x^{12} - 70 x + 2}$$

Sequence: A167433
Score: 13.0325
Type of gen. func.: ogf

$$\frac{(2 x - 1)^2}{2 x^2 - x + 1}$$

Sequence: A167433
Score: 27.9205
Type of gen. func.: lgdogf

$$\frac{2 x + 3}{}$$

$$(2 x - 1) (2 x^2 - x + 1)$$

Sequence: A167433
Score: 6.77180
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = -3, a(2) = -1\}$$

Sequence: A167433
Score: 8.12617
Type of gen. func.: ogf

$$f(x) (2 f(x) x^2 - f(x) x - 4 x^2 + f(x) + 4 x - 1)$$

Sequence: A167434
Score: 12.0998
Type of gen. func.: ogf

$$\frac{(2 x - 1)^2}{2 x^3 - x^2 + 1}$$

Sequence: A167434
Score: 17.2149
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^3 - 3 x^2 + x - 2)}{(2 x - 1) (2 x^3 - x^2 + 1)}$$

Sequence: A167434
Score: 6.82857
Type of gen. func.: ogf

$$-(427 f(x) - 608) (2 f(x) x^3 - f(x) x^2 - 4 x^2 + f(x) + 4 x - 1)$$

Sequence: A167434
Score: 7.33709
Type of gen. func.: ogf

$$\{-a(n+3) + a(n+1) - 2\,a(n),\ a(0) = 1,\ a(1) = -4,\ a(2) = 5\}$$

Sequence: A167440
Score: 4.21478
Type of gen. func.: ogf

$$(6937215\,f(x) - 72712928)$$

$$(512\,f(x)\,x^{3} - 336\,f(x)\,x^{2} + 42\,f(x)\,x + 512\,x^{2} - f(x) + 640\,x + 2)$$

Sequence: A167440
Score: 4.55745
Type of gen. func.: ogf

$$\{a(n+3) - 42\,a(n+2) + 336\,a(n+1) - 512\,a(n),\ a(0) = 2,\ a(1) = 724,$$

$$a(2) = 30248\}$$

Sequence: A167440
Score: 6.31878
Type of gen. func.: lgdogf

$$-\frac{2\,(65536\,x^{4} + 163840\,x^{3} - 58368\,x^{2} - 80\,x + 181)}{(32\,x - 1)\,(2\,x - 1)\,(8\,x - 1)\,(256\,x^{2} + 320\,x + 1)}$$

Sequence: A167440
Score: 8.00809
Type of gen. func.: ogf

$$-\frac{2\,(256\,x^{2} + 320\,x + 1)}{(2\,x - 1)\,(8\,x - 1)\,(32\,x - 1)}$$

Sequence: A167449
Score: 4.49300
Type of gen. func.: ogf

$$\{(n^3 + 6 n^2 + 12 n + 8) a(n + 1) - a(n + 3) + a(n + 2), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A167465
Score: 6.77785
Type of gen. func.: ogf

$$-\frac{x (15 x^{14} + 13 x^{12} + 11 x^{10} + 9 x^8 + 7 x^6 + 5 x^4 + 3 x^2 + 1)}{(x - 1) (1 + x) (x^2 + 1) (x^4 + 1) (x^8 + 1)}$$

Sequence: A167467
Score: 15.2671
Type of gen. func.: lgdogf

$$-\frac{x^3 - 57 x^2 - 354 x - 190}{(x - 1) (x^3 - 30 x^2 - 98 x - 23)}$$

Sequence: A167467
Score: 4.95527
Type of gen. func.: ogf

$$(7603351200 f(x) + 587721053033) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + x^3 - 4 f(x) x - 30 x^2 + f(x) - 98 x - 23)$$

Sequence: A167467
Score: 9.91054
Type of gen. func.: ogf

$$-\frac{x^3 - 30 x^2 - 98 x - 23}{(x - 1)^4}$$

Sequence: A167468

Score: 7.14624
Type of gen. func.: ogf

$$-(f(x) - 1) (36 f(x) x - f(x) + x + 1)$$

Sequence: A167468
Score: 7.79591
Type of gen. func.: ogf

$$\frac{37 x^{13} + x^{12} + 2 x + 2}{x^{12} - 72 x + 2}$$

Sequence: A167469
Score: 15.4224
Type of gen. func.: ogf

$$- \frac{3 (3 x + 2)}{(x - 1)^{3}}$$

Sequence: A167469
Score: 33.4270
Type of gen. func.: lgdogf

$$- \frac{3 (2 x + 3)}{(3 x + 2) (x - 1)}$$

Sequence: A167469
Score: 7.17004
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 6, a(1) = 27, a(2) = 63\}$$

Sequence: A167469
Score: 7.56838
Type of gen. func.: ogf

$$(475 f(x) - 4632) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x - f(x) + 9 x + 6)$$

Sequence: A167471
Score: 10.0039
Type of gen. func.: ogf

$$\frac{16 (1 + x) (1 + 3 x)}{(x - 1)^4}$$

Sequence: A167471
Score: 3.51357
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (1 + 3 n) a(n + 3) + (-20 - n) a(n + 2)$$

$$+ (-9 - 3 n) a(n + 1), a(0) = 16, a(1) = 128, a(2) = 464, a(3) = 1152\}$$

Sequence: A167471
Score: 5.14486
Type of gen. func.: ogf

$$(5360 f(x) + 291527)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 48 x^2 + f(x) - 64 x - 16)$$

Sequence: A167477
Score: 12.8369
Type of gen. func.: lgdogf

$$- \frac{(x - 1) (x^3 - 6 x^2 - 3)}{(x^2 - 3 x + 1) (x^3 - 5 x^2 + 3 x - 1)}$$

Sequence: A167477
Score: 4.48546
Type of gen. func.: ogf

$$(25000 f(x) + 19953)$$

$$(f(x) x^4 - 6 f(x) x^3 + 11 f(x) x^2 + x^3 - 6 f(x) x - 5 x^2 + f(x) + 3 x - 1)$$

Sequence: A167477
Score: 8.39587
Type of gen. func.: ogf

$$-\frac{x^3 - 5x^2 + 3x - 1}{(x^2 - 3x + 1)^2}$$

Sequence: A167478
Score: 12.2480
Type of gen. func.: lgdogf

$$-\frac{x^4 - 9x^3 + 3x^2 + 2x + 4}{(x^2 - 3x + 1)(x^3 - 6x^2 + 2x - 1)}$$

Sequence: A167478
Score: 4.55693
Type of gen. func.: ogf

$(167800 f(x) + 154983)$

$$(f(x) x^4 - 6 f(x) x^3 + 11 f(x) x^2 + x^3 - 6 f(x) x - 6 x^2 + f(x) + 2 x - 1)$$

Sequence: A167478
Score: 8.64650
Type of gen. func.: ogf

$$-\frac{x^3 - 6x^2 + 2x - 1}{(x^2 - 3x + 1)^2}$$

Sequence: A167479
Score: 15.5594
Type of gen. func.: revogf

$$\frac{-1 + 2x - 4x^2 + (12x^2 - 4x + 1)^{1/2}}{2}$$

$$8x$$

Sequence: A167479
Score: 4.47448
Type of gen. func.: ogf

$$\{(8n + 20)\,a(n + 1) + (2n + 2)\,a(n + 2) + (-n - 4)\,a(n + 3),\ a(0) = 1,\ a(1) = -1,\ a(2) = 4\}$$

Sequence: A167479
Score: 7.11207
Type of gen. func.: ogf

$$-4 f(x)^2 x^3 - 4 f(x)^2 x^2 - f(x)^2 x + 2 f(x) x + f(x) - 1$$

Sequence: A167481
Score: 29.8896
Type of gen. func.: lgdogf

$$-\frac{12x}{(2x + 1)(4x - 1)}$$

Sequence: A167481
Score: 4.24892
Type of gen. func.: ogf

$$\{(-n - 3)\,a(n + 3) + (2n + 4)\,a(n + 2) + (8n + 20)\,a(n + 1),\ a(0) = 1,\ a(1) = 0,\ a(2) = 6\}$$

Sequence: A167481
Score: 9.80519
Type of gen. func.: ogf

$$16 f(x)^2 x^3 + 12 f(x)^2 x^2 - f(x)^2 + 1$$

Sequence: A167484
Score: 7.29685

Type of gen. func.: ogf

$$\{(-n^3 - 7 n^2 - 16 n - 12) a(n + 1) + 2 a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A167487
Score: 13.4478
Type of gen. func.: ogf

$$-\frac{7 x^2 - 14 x + 8}{(x - 1)^3}$$

Sequence: A167487
Score: 21.5232
Type of gen. func.: lgdogf

$$-\frac{8 x^2 - 18 x + 13}{(x - 1) (8 x^2 - 17 x + 10)}$$

Sequence: A167487
Score: 7.31369
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 8, a(1) = 10, a(2) = 13\}$$

Sequence: A167487
Score: 7.37842
Type of gen. func.: ogf

$$(f(x) - 17) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 7 x^2 - f(x) - 14 x + 8)$$

Sequence: A167492
Score: 7.14624
Type of gen. func.: ogf

$$-(f(x) - 1) (37 f(x) x - f(x) + x + 1)$$

Sequence: A167492
Score: 7.79591
Type of gen. func.: ogf

$$\frac{38 x^{13} + x^{12} + 2 x + 2}{x^{12} - 74 x + 2}$$

Sequence: A167498
Score: 11.0049
Type of gen. func.: ogf

$$\frac{2 (x^3 + 33 x^2 + 27 x + 3)}{(x - 1)^4}$$

Sequence: A167498
Score: 4.85689
Type of gen. func.: ogf

$$\{(-7 n^2 - 34 n - 40) a(n + 1) + (6 n^2 + 6 n + 1) a(n + 2)$$

$$+ (n^2 + 4 n + 3) a(n + 3), a(0) = 6, a(1) = 78, a(2) = 342\}$$

Sequence: A167498
Score: 5.91417
Type of gen. func.: ogf

$$(4196 f(x) + 205987) ($$

$$f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 2 x^3 - 4 f(x) x - 66 x^2 + f(x) - 54 x - 6$$

$$)$$

Sequence: A167499
Score: 13.7684
Type of gen. func.: ogf

$$5 x^2 - 10 x + 6$$

```
                               - ---------------
                                           3
                                    (x - 1)
```

Sequence: A167499
Score: 22.6402
Type of gen. func.: lgdogf

```
                                   2
                                6 x  - 14 x + 11
                          - -------------------------
                                        2
                            (x - 1) (6 x  - 13 x + 8)
```

Sequence: A167499
Score: 7.23426
Type of gen. func.: ogf

```
                          3           2                 2
   -(11 f(x) - 21) (f(x) x  - 3 f(x) x  + 3 f(x) x + 5 x  - f(x) - 10 x + 6)
```

Sequence: A167499
Score: 7.55435
Type of gen. func.: ogf

```
   {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 6, a(1) = 8, a(2) = 11}
```

Sequence: A167519
Score: 4.70194
Type of gen. func.: ogf

```
        14          13      10      9    8    7    6        5          4    3
- (109 x   + 10987 x   + 6 x   + 2 x  - x  - x  - x  - 111 x  - 10988 x  - x

        2              /    2            6    3            2
     - x  - 7 x - 3)  /  ((x  + x + 1) (x  + x  + 1) (x - 1) )
                     /
```

Sequence: A167528
Score: 8.19382
Type of gen. func.: ogf

```
              8       7      6       5       4       3       2
       x (49 x  + 18 x  + 7 x  + 26 x  + 25 x  + 24 x  + 43 x  + 32 x + 1)
     - -------------------------------------------------------------------
                            4    3    2            4    3    2
```

$$(x - 1) (x + 1) (x + x + x + x + 1) (x - x + x - x + 1)$$

Sequence: A167533
Score: 12.4528
Type of gen. func.: ogf

$$\frac{12 x^2 + 47 x + 12}{(x + 1) (x - 1)^2}$$

Sequence: A167533
Score: 14.2106
Type of gen. func.: lgdogf

$$- \frac{12 x^3 + 106 x^2 + 107 x + 59}{(x - 1) (x + 1) (12 x^2 + 47 x + 12)}$$

Sequence: A167533
Score: 6.47952
Type of gen. func.: ogf

$$-(35 f(x) - 24587) (f(x) x^3 - f(x) x^2 - f(x) x - 12 x^2 + f(x) - 47 x - 12)$$

Sequence: A167533
Score: 6.93027
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 12, a(1) = 59, a(2) = 83\}$$

Sequence: A167534
Score: 12.9787
Type of gen. func.: ogf

$$\frac{9 x^2 + 61 x + 9}{(x + 1) (x - 1)^2}$$

Sequence: A167534
Score: 15.1785
Type of gen. func.: lgdogf

$$-\frac{9 x^{3} + 131 x^{2} + 106 x + 70}{(x - 1) (x + 1) (9 x^{2} + 61 x + 9)}$$

Sequence: A167534
Score: 6.81933
Type of gen. func.: ogf

$$(325 f(x) + 30616) (f(x) x^{3} - f(x) x^{2} - f(x) x - 9 x^{2} + f(x) - 61 x - 9)$$

Sequence: A167534
Score: 7.05861
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 9, a(1) = 70, a(2) = 88\}$$

Sequence: A167537
Score: 7.22147
Type of gen. func.: ogf

$$-(f(x) - 1) (38 f(x) x - f(x) + x + 1)$$

Sequence: A167537
Score: 7.87797
Type of gen. func.: ogf

$$\frac{39 x^{13} + x^{12} + 2 x + 2}{x^{12} - 76 x + 2}$$

Sequence: A167538
Score: 7.25908
Type of gen. func.: ogf

$$-(f(x) - 1) (39 f(x) x - f(x) + x + 1)$$

Sequence: A167538
Score: 7.91900
Type of gen. func.: ogf

$$\frac{40 x^{13} + x^{12} + 2 x + 2}{x^{12} - 78 x + 2}$$

Sequence: A167541
Score: 11.2836
Type of gen. func.: ogf

$$-\frac{3 x - 2}{(x - 1)^{4}}$$

Sequence: A167541
Score: 36.9281
Type of gen. func.: lgdogf

$$-\frac{9 x - 5}{(3 x - 2) (x - 1)}$$

Sequence: A167541
Score: 4.52829
Type of gen. func.: ogf

$\{(-2 n - 6) a(n + 3) + (15 + 5 n) a(n + 2) + (-12 - 3 n) a(n + 1), a(0) = 2,$

$a(1) = 5, a(2) = 8\}$

Sequence: A167541
Score: 5.68843
Type of gen. func.: ogf

$$(f(x) + 2) (f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 4 f(x) x + f(x) + 3 x - 2)$$

Sequence: A167543
Score: 11.1776
Type of gen. func.: ogf

$$-\frac{3 x - 2}{(x - 1)^{5}}$$

Sequence: A167543
Score: 33.8508
Type of gen. func.: lgdogf

$$-\frac{-7 + 12 x}{(3 x - 2) (x - 1)}$$

Sequence: A167543
Score: 5.18701
Type of gen. func.: ogf

$$\{(-2 n - 6) a(n + 3) + (17 + 5 n) a(n + 2) + (-15 - 3 n) a(n + 1), a(0) = -2,$$

$$a(1) = -7, a(2) = -15\}$$

Sequence: A167544
Score: 13.8727
Type of gen. func.: ogf

$$-\frac{3 x - 2}{(x - 1)^{3}}$$

Sequence: A167544
Score: 29.5674
Type of gen. func.: lgdogf

$$-\frac{3 (2 x - 1)}{(3 x - 2) (x - 1)}$$

Sequence: A167544

Score: 6.56475
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = -2, a(1) = -3, a(2) = -3\}$$

Sequence: A167544
Score: 7.13836
Type of gen. func.: ogf

$$(7 f(x) + 5) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 3 x - 2)$$

Sequence: A167545
Score: 10.7918
Type of gen. func.: ogf

$$-\frac{x (x^4 + 8 x^2 + 1)}{(x - 1) (x + 1) (x^4 + 1)}$$

Sequence: A167545
Score: 16.4861
Type of gen. func.: lgdogf

$$-\frac{2 x (x^8 + 16 x^6 - 6 x^4 + 9)}{(x - 1) (x + 1) (x^4 + 8 x^2 + 1) (x^4 + 1)}$$

Sequence: A167547
Score: 15.5286
Type of gen. func.: lgdogf

$$-\frac{4 (x^3 + 4 x^2 + 10 x + 6)}{(x - 1) (4 x^3 + 2 x^2 + 12 x + 3)}$$

Sequence: A167547
Score: 4.90133
Type of gen. func.: ogf

$$\{(2 n^2 + 2 n) a(n) + (3 n^2 + 35 n + 40) a(n + 1) + (-5 n^2 - 16 n - 12) a(n + 2)$$

$$, a(0) = 6, a(1) = 48\}$$

Sequence: A167547
Score: 5.20347
Type of gen. func.: ogf

$$(11313 f(x) + 83290) ($$

$$f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 8 x^3 - 4 f(x) x - 4 x^2 + f(x) - 24 x - 6)$$

Sequence: A167547
Score: 9.73982
Type of gen. func.: ogf

$$\frac{2 (4 x^3 + 2 x^2 + 12 x + 3)}{(x - 1)^4}$$

Sequence: A167548
Score: 13.0651
Type of gen. func.: lgdogf

$$- \frac{x^4 + 8 x^3 + 6 x^2 + 20 x + 10}{(x - 1) (x^4 + 2 x^3 + 5 x + 1)}$$

Sequence: A167548
Score: 7.24701
Type of gen. func.: ogf

$$- \frac{24 (x^4 + 2 x^3 + 5 x + 1)}{(x - 1)^5}$$

Sequence: A167549
Score: 5.12927

Type of gen. func.: ogf

$$\frac{24 (6 x^5 + 3 x^4 + 16 x^3 - 5 x^2 + 30 x + 5)}{(x - 1)^6}$$

Sequence: A167549
Score: 7.82310
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^5 + 18 x^4 + 30 x^3 + 14 x^2 + 70 x + 30)}{(x - 1) (6 x^5 + 3 x^4 + 16 x^3 - 5 x^2 + 30 x + 5)}$$

Sequence: A167550
Score: 12.9068
Type of gen. func.: egf]

$$\frac{2 x + 1}{(4 x - 1) (x - 1)}$$

Sequence: A167550
Score: 15.3912
Type of gen. func.: lgdegf]

$$- \frac{8 x^2 + 8 x - 7}{(x - 1) (2 x + 1) (4 x - 1)}$$

Sequence: A167550
Score: 6.67596
Type of gen. func.: egf]

$$(27 f(x) + 22) (4 f(x) x^2 - 5 f(x) x + f(x) - 2 x - 1)$$

Sequence: A167554
Score: 10.0643
Type of gen. func.: ogf

$$\frac{x^2 + 3 x - 2}{(x - 1)^4}$$

Sequence: A167554
Score: 19.9472
Type of gen. func.: lgdogf

$$- \frac{2 x^2 + 11 x - 5}{(x - 1) (x^2 + 3 x - 2)}$$

Sequence: A167554
Score: 4.99596
Type of gen. func.: ogf

$$-(1120 f(x) + 1247)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - x^2 + f(x) - 3 x + 2)$$

Sequence: A167555
Score: 14.0282
Type of gen. func.: lgdogf

$$- \frac{3 x^3 + 39 x^2 + 28 x + 14}{(x - 1) (x^3 + 9 x^2 + 2 x + 2)}$$

Sequence: A167555
Score: 3.46939
Type of gen. func.: ogf

$$\{(-167 n^2 - 1430 n - 3048) a(n + 1) + (166 n^2 + 426 n - 925) a(n + 2)$$

$$+ (n^2 + 164 n + 483) a(n + 3), a(0) = 2, a(1) = 14, a(2) = 63\}$$

Sequence: A167555

Score: 7.01106
Type of gen. func.: ogf

$$\frac{x^3 + 9x^2 + 2x + 2}{(x-1)^6}$$

Sequence: A167558
Score: 11.7534
Type of gen. func.: egf]

$$\frac{4x + 1}{(4x-1)^2}$$

Sequence: A167558
Score: 19.6135
Type of gen. func.: lgdegf]

$$-\frac{4(4x+3)}{(4x-1)(4x+1)}$$

Sequence: A167558
Score: 3.12517
Type of gen. func.: ogf

$$\{(-8n^2 - 32n - 32)a(n+1) + (-4n^2 - 26n - 48)a(n+2) + (n+3)a(n+3)$$
$$, a(0) = 1, a(1) = 12, a(2) = 160\}$$

Sequence: A167558
Score: 6.1438
Type of gen. func.: egf]

$$(16f(x) + 65)(16f(x)x^2 - 8f(x)x + f(x) - 4x - 1)$$

Sequence: A167561
Score: 20.4955
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^{2}-x+5)}{(x-1)\,(2\,x^{2}-2\,x+3)}$$

Sequence: A167561
Score: 5.11561
Type of gen. func.: ogf

$$(2241\,f(x)+10120)$$

$$(f(x)\,x^{4}-4\,f(x)\,x^{3}+6\,f(x)\,x^{2}-4\,f(x)\,x-16\,x^{2}+f(x)+16\,x-24)$$

Sequence: A167561
Score: 9.87597
Type of gen. func.: ogf

$$\frac{8\,(2\,x^{2}-2\,x+3)}{(x-1)^{4}}$$

Sequence: A167562
Score: 12.9978
Type of gen. func.: lgdogf

$$-\frac{x^{4}+12\,x^{2}-8\,x+20}{(x-1)\,(x^{4}-2\,x^{3}+6\,x^{2}-5\,x+5)}$$

Sequence: A167562
Score: 6.44037
Type of gen. func.: ogf

$$-\frac{24\,(x^{4}-2\,x^{3}+6\,x^{2}-5\,x+5)}{(x-1)^{5}}$$

Sequence: A167563

Score: 5.45810
Type of gen. func.: ogf

$$\frac{48\,(3\,x^2 - x + 3)\,(3\,x^2 - 5\,x + 5)}{(x - 1)^6}$$

Sequence: A167563
Score: 9.75883
Type of gen. func.: lgdogf

$$-\frac{2\,(9\,x^4 - 9\,x^3 + 31\,x^2 - 21\,x + 35)}{(x - 1)\,(3\,x^2 - x + 3)\,(3\,x^2 - 5\,x + 5)}$$

Sequence: A167566
Score: 20.1799
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^2 + 11\,x + 8)}{(x - 1)\,(x^2 + 4\,x + 2)}$$

Sequence: A167566
Score: 3.56575
Type of gen. func.: ogf

$$\{(2\,n + 8)\,a(n + 4) + (-10 + 2\,n)\,a(n + 3) + (-28 - 3\,n)\,a(n + 2)$$

$$+ (-5 - n)\,a(n + 1),\ a(0) = 2,\ a(1) = 16,\ a(2) = 67,\ a(3) = 202\}$$

Sequence: A167566
Score: 8.18501
Type of gen. func.: ogf

$$\frac{x^2 + 4\,x + 2}{(x - 1)^6}$$

Sequence: A167567
Score: 15.8876
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^2 + 43\,x + 62)}{(x - 1)\,(x^2 + 12\,x + 14)}$$

Sequence: A167567
Score: 5.62058
Type of gen. func.: ogf

$$\frac{x\,(x^2 + 12\,x + 14)}{(x - 1)^8}$$

Sequence: A167570
Score: 13.7659
Type of gen. func.: revegf]

$$-\frac{-3 - 4\,x + (9 + 16\,x)^{1/2}}{8\,(2\,x + 1)}$$

Sequence: A167570
Score: 18.3546
Type of gen. func.: lgdegf]

$$-\frac{8\,(5 + 4\,x)}{(4\,x + 3)\,(4\,x - 1)}$$

Sequence: A167570
Score: 2.87730
Type of gen. func.: ogf

$$\{(-8\,n^2 - 40\,n - 48)\,a(n + 1) + (12\,n^2 + 98\,n + 188)\,a(n + 2)$$

$$+ (-3\,n - 9)\,a(n + 3),\ a(0) = 6,\ a(1) = 80,\ a(2) = 1344\}$$

Sequence: A167570
Score: 4.48146
Type of gen. func.: egf]

$$(2264 f(x) - 14475) (64 f(x) x^3 - 48 f(x) x^2 + 12 f(x) x - f(x) + 8 x + 6)$$

Sequence: A167570
Score: 9.04295
Type of gen. func.: egf]

$$-\frac{2 (4 x + 3)}{(4 x - 1)^3}$$

Sequence: A167571
Score: 3.15657
Type of gen. func.: ogf

$$\{(-8 n^3 - 76 n^2 - 236 n - 240) a(n + 1) + (10 n^2 + 75 n + 140) a(n + 2)$$
$$+ (-2 n - 9) a(n + 3), a(0) = 1, a(1) = 6, a(2) = 54\}$$

Sequence: A167573
Score: 11.9793
Type of gen. func.: ogf

$$-\frac{3 x^2 + 14 x + 23}{(x - 1)^3}$$

Sequence: A167573
Score: 19.4747
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 34 x + 83}{(x - 1) (3 x^2 + 14 x + 23)}$$

Sequence: A167573
Score: 6.28911
Type of gen. func.: ogf

$$(1168 f(x) - 27699) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) + 14 x + 23)$$

Sequence: A167573
Score: 6.50597
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 23, a(1) = 83, a(2) = 183\}$$

Sequence: A167574
Score: 11.4937
Type of gen. func.: lgdogf

$$- \frac{3 (5 x^3 + 69 x^2 + 127 x + 247)}{(x - 1) (15 x^3 + 81 x^2 + 73 x + 167)}$$

Sequence: A167574
Score: 4.38864
Type of gen. func.: ogf

$$(993600 f(x) + 104539829) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 15 x^3 - 4 f(x) x - 81 x^2 + f(x) - 73 x - 167)$$

Sequence: A167574
Score: 8.29561
Type of gen. func.: ogf

$$\frac{15 x^3 + 81 x^2 + 73 x + 167}{(x - 1)^4}$$

Sequence: A167575
Score: 6.04299
Type of gen. func.: ogf

$$-\frac{3\,(35\,x^4 + 220\,x^3 + 138\,x^2 + 268\,x + 491)}{(x - 1)^5}$$

Sequence: A167575
Score: 7.94534
Type of gen. func.: lgdogf

$$-\frac{35\,x^4 + 580\,x^3 + 1074\,x^2 + 1348\,x + 2723}{(x - 1)\,(35\,x^4 + 220\,x^3 + 138\,x^2 + 268\,x + 491)}$$

Sequence: A167581
Score: 18.7452
Type of gen. func.: lgdogf

$$-\frac{8\,x\,(2\,x + 7)}{(2\,x - 1)\,(4\,x^2 + 8\,x - 1)}$$

Sequence: A167581
Score: 4.59839
Type of gen. func.: ogf

$$-(232\,f(x) + 485)$$

$$(16\,f(x)\,x^4 - 32\,f(x)\,x^3 + 24\,f(x)\,x^2 - 8\,f(x)\,x - 4\,x^2 + f(x) - 8\,x + 1)$$

Sequence: A167581
Score: 8.94133
Type of gen. func.: ogf

$$\frac{4\,x^2 + 8\,x - 1}{(2\,x - 1)^4}$$

Sequence: A167582

Score: 5.62065
Type of gen. func.: ogf

$$\frac{8 x^3 + 84 x^2 + 62 x + 3}{(2 x - 1)^6}$$

Sequence: A167582
Score: 9.86844
Type of gen. func.: lgdogf

$$- \frac{2 (24 x^3 + 348 x^2 + 394 x + 49)}{(2 x - 1) (8 x^3 + 84 x^2 + 62 x + 3)}$$

Sequence: A167585
Score: 12.0186
Type of gen. func.: ogf

$$- \frac{9 x^2 + 2 x + 13}{(x - 1)^3}$$

Sequence: A167585
Score: 19.7405
Type of gen. func.: lgdogf

$$- \frac{9 x^2 + 22 x + 41}{(x - 1) (9 x^2 + 2 x + 13)}$$

Sequence: A167585
Score: 6.20961
Type of gen. func.: ogf

$$(13824 f(x) - 93067) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 9 x^2 - f(x) + 2 x + 13)$$

Sequence: A167585
Score: 6.47960
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 13, a(1) = 41, a(2) = 93}

Sequence: A167586
Score: 12.2733
Type of gen. func.: lgdogf

$$-\frac{3\,(5\,x^3 + 13\,x^2 + 15\,x + 31)}{(x - 1)\,(15\,x^3 - 3\,x^2 + 17\,x + 19)}$$

Sequence: A167586
Score: 4.45063
Type of gen. func.: ogf

$$(437184\,f(x) + 2458081)\,(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - 60\,x^3 - 4\,f(x)\,x + 12\,x^2 + f(x) - 68\,x - 76)$$

Sequence: A167586
Score: 8.35180
Type of gen. func.: ogf

$$\frac{4\,(15\,x^3 - 3\,x^2 + 17\,x + 19)}{(x - 1)^4}$$

Sequence: A167587
Score: 5.88595
Type of gen. func.: ogf

$$-\frac{3\,(175\,x^4 - 100\,x^3 + 258\,x^2 + 44\,x + 263)}{(x - 1)^5}$$

Sequence: A167587
Score: 7.66012
Type of gen. func.: lgdogf

$$-\frac{175 x^4 + 500 x^3 + 474 x^2 + 692 x + 1359}{(x - 1) (175 x^4 - 100 x^3 + 258 x^2 + 44 x + 263)}$$

Sequence: A167588
Score: 5.20412
Type of gen. func.: ogf

$\{(4 n^2 + 20 n + 21) a(n + 1) - a(n + 3) + 6 a(n + 2), a(0) = 1, a(1) = 6,$

$a(2) = 41\}$

Sequence: A167589
Score: 4.20623
Type of gen. func.: ogf

$\{(4 n^2 + 20 n + 9) a(n + 1) - a(n + 3) + 10 a(n + 2), a(0) = 1, a(1) = 10,$

$a(2) = 93\}$

Sequence: A167592
Score: 10.2834
Type of gen. func.: ogf

$$\frac{2 (4 x - 1)}{(2 x - 1)^4}$$

Sequence: A167592
Score: 24.3754
Type of gen. func.: lgdogf

$$-\frac{4 (6 x - 1)}{(4 x - 1) (2 x - 1)}$$

Sequence: A167592

Score: 4.30154
Type of gen. func.: ogf

$$\{(-n-3)\,a(n+3)+(16+6n)\,a(n+2)+(-32-8n)\,a(n+1),\ a(0)=-2,$$

$$a(1)=-8,\ a(2)=-16\}$$

Sequence: A167592
Score: 5.10183
Type of gen. func.: ogf

$$-(7 f(x) + 10)$$

$$(16 f(x) x^4 - 32 f(x) x^3 + 24 f(x) x^2 - 8 f(x) x + f(x) - 8 x + 2)$$

Sequence: A167593
Score: 12.8700
Type of gen. func.: lgdogf

$$-\frac{8 (52 x^2 + 28 x + 15)}{(2 x - 1) (52 x^2 + 12 x + 9)}$$

Sequence: A167593
Score: 6.02561
Type of gen. func.: ogf

$$\frac{52 x^2 + 12 x + 9}{(2 x - 1)^6}$$

Sequence: A167598
Score: 7.3343
Type of gen. func.: ogf

$$-(f(x) - 1) (40 f(x) x - f(x) + x + 1)$$

Sequence: A167598
Score: 8.00106
Type of gen. func.: ogf

$$\frac{41 x^{13} + x^{12} + 2 x + 2}{x^{12} - 80 x + 2}$$

Sequence: A167599
Score: 7.3343
Type of gen. func.: ogf

$$-(f(x) - 1) (41 f(x) x - f(x) + x + 1)$$

Sequence: A167599
Score: 8.00106
Type of gen. func.: ogf

$$\frac{42 x^{13} + x^{12} + 2 x + 2}{x^{12} - 82 x + 2}$$

Sequence: A167601
Score: 13.9861
Type of gen. func.: lgdogf

$$-\frac{576 x^2 + 80 x + 3}{192 x^3 + 40 x^2 + 3 x - 1}$$

Sequence: A167601
Score: 14.2805
Type of gen. func.: ogf

$$-\frac{1}{192 x^3 + 40 x^2 + 3 x - 1}$$

Sequence: A167601
Score: 4.92432
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) - 40 a(n + 1) - 192 a(n), a(0) = 1, a(1) = 3, a(2) = 49}

Sequence: A167601
Score: 5.38888
Type of gen. func.: ogf

$$(533 f(x) - 513) (192 f(x) x^3 + 40 f(x) x^2 + 3 f(x) x - f(x) + 1)$$

Sequence: A167602
Score: 3.77035
Type of gen. func.: ogf

$$(28085 f(x) + 2272) (512 f(x) x^4 + 384 f(x) x^3 + 72 f(x) x^2 + 14 f(x) x + f(x) - 1)$$

Sequence: A167602
Score: 8.64618
Type of gen. func.: lgdogf

$$- \frac{2 (16 x + 7) (64 x^2 + 8 x + 1)}{512 x^4 + 384 x^3 + 72 x^2 + 14 x + 1}$$

Sequence: A167602
Score: 9.61069
Type of gen. func.: ogf

$$\frac{1}{512 x^4 + 384 x^3 + 72 x^2 + 14 x + 1}$$

Sequence: A167603
Score: 3.54349
Type of gen. func.: ogf

$$-(2089156991947651 f(x) + 386443658657792) (7809531904 f(x) x^4 + 83891456 f(x) x^3 + 277760 f(x) x^2 + 837 f(x) x + f(x) - 1)$$

Sequence: A167603
Score: 5.72832
Type of gen. func.: ogf

$$\frac{1}{7809531904 x^4 + 83891456 x^3 + 277760 x^2 + 837 x + 1}$$

Sequence: A167614
Score: 13.7333
Type of gen. func.: ogf

$$-\frac{4 x^2 - 9 x + 6}{(x - 1)^3}$$

Sequence: A167614
Score: 7.41355
Type of gen. func.: ogf

$$(15 f(x) + 64) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) - 9 x + 6)$$

Sequence: A167614
Score: 7.41355
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 6, a(1) = 9, a(2) = 13\}$$

Sequence: A167616
Score: 15.4311
Type of gen. func.: ogf

$$\frac{x (2 x + 3)}{(x - 1) (x^2 + x - 1)}$$

Sequence: A167616
Score: 18.1798
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 9 x^2 - 8}{(x - 1) (2 x + 3) (x^2 + x - 1)}$$

Sequence: A167616
Score: 8.13035
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 0, a(1) = 3, a(2) = 8\}$$

Sequence: A167616
Score: 8.89556
Type of gen. func.: ogf

$$-f(x) (f(x) x^3 - 2 f(x) x - 2 x^2 + f(x) - 3 x)$$

Sequence: A167617
Score: 7.70737
Type of gen. func.: ogf

$$\frac{x^2 (x^2 + 3 x + 3)}{(2 x + 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A167617
Score: 7.93999
Type of gen. func.: lgdogf

$$-\frac{8 x^7 + 39 x^6 + 78 x^5 + 75 x^4 + 54 x^3 + 33 x^2 + 16 x + 6}{(2 x + 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 3 x + 3)}$$

Sequence: A167621
Score: 3.76558
Type of gen. func.: ogf

$$-\frac{711 x^{14} - 711 x^{13} + 68 x^{4} - 66 x^{3} + 4 x^{2} - 6 x - 1}{(x - 1)^{2}}$$

Sequence: A167624
Score: 5.22992
Type of gen. func.: ogf

$$-\frac{x (x^{12} + 24 x^{10} - 15 x^{8} + 32 x^{6} - 15 x^{4} + 24 x^{2} + 1)}{(x - 1) (x + 1) (x^{4} + 1) (x^{8} + 1)}$$

Sequence: A167628
Score: 7.10681
Type of gen. func.: ogf

$$- x (12 x^{11} + 6 x^{10} + 4 x^{9} + 3 x^{8} + 5 x^{7} + 2 x^{6} + 11 x^{5} + 8 x^{4} + 10 x^{3} + 9 x^{2} + 7 x + 1) \bigg/ ((x - 1) (x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1))$$

Sequence: A167632
Score: 14.2253
Type of gen. func.: ogf

$$\frac{4 x (x^{2} + 7 x + 1)}{(x - 1)^{2}}$$

Sequence: A167632
Score: 31.2842
Type of gen. func.: lgdogf

$$-\frac{9 (x + 1)}{(x - 1) (x^{2} + 7 x + 1)}$$

Sequence: A167632
Score: 7.17449
Type of gen. func.: ogf

$$\{-a(n + 4) + 2 a(n + 3) - a(n + 2), a(0) = 0, a(1) = 4, a(2) = 36, a(3) = 72\}$$

Sequence: A167632
Score: 8.7773
Type of gen. func.: ogf

$$-f(x) (f(x) x^2 - 4 x^3 - 2 f(x) x - 28 x^2 + f(x) - 4 x)$$

Sequence: A167635
Score: 6.45027
Type of gen. func.: ogf

$$f(x)^2 x^3 - f(x)^2 x^2 - f(x) x^3 - f(x)^2 x + 2 f(x) x + f(x) - x - 1$$

Sequence: A167638
Score: 6.95186
Type of gen. func.: ogf

$$f(x)^2 x^2 + f(x) x^3 + f(x)^2 x - 2 f(x) x - x^2 - f(x) + x + 1$$

Sequence: A167639
Score: 11.4034
Type of gen. func.: lgdogf

$$-\frac{2 x (x - 1) (2 x^3 - 3 x^2 - 3 x - 3)}{(x^2 + x + 1) (x^2 - 3 x + 1) (x^2 - x - 1)}$$

Sequence: A167640
Score: 7.37191
Type of gen. func.: ogf

$$-(f(x) - 1) (42 f(x) x - f(x) + x + 1)$$

Sequence: A167640
Score: 8.04209
Type of gen. func.: ogf

$$\frac{43 x^{13} + x^{12} + 2 x + 2}{x^{12} - 84 x + 2}$$

Sequence: A167641
Score: 7.40953
Type of gen. func.: ogf

$$-(f(x) - 1) (43 f(x) x - f(x) + x + 1)$$

Sequence: A167641
Score: 8.08312
Type of gen. func.: ogf

$$\frac{44 x^{13} + x^{12} + 2 x + 2}{x^{12} - 86 x + 2}$$

Sequence: A167642
Score: 7.48475
Type of gen. func.: ogf

$$-(f(x) - 1) (44 f(x) x - f(x) + x + 1)$$

Sequence: A167642
Score: 8.16518
Type of gen. func.: ogf

$$\frac{45 x^{13} + x^{12} + 2 x + 2}{x^{12} - 88 x + 2}$$

Sequence: A167643
Score: 7.48475
Type of gen. func.: ogf

$$-(f(x) - 1) (45 f(x) x - f(x) + x + 1)$$

Sequence: A167643
Score: 8.16518
Type of gen. func.: ogf

$$\frac{46 x^{13} + x^{12} + 2 x + 2}{x^{12} - 90 x + 2}$$

Sequence: A167644
Score: 7.48475
Type of gen. func.: ogf

$$-(f(x) - 1) (46 f(x) x - f(x) + x + 1)$$

Sequence: A167644
Score: 8.16518
Type of gen. func.: ogf

$$\frac{47 x^{13} + x^{12} + 2 x + 2}{x^{12} - 92 x + 2}$$

Sequence: A167645
Score: 7.6352
Type of gen. func.: ogf

$$-(f(x) - 1) (47 f(x) x - f(x) + x + 1)$$

Sequence: A167645
Score: 8.32930
Type of gen. func.: ogf

13   12

$$\frac{48 x + x + 2 x + 2}{x^{12} - 94 x + 2}$$

Sequence: A167646
Score: 7.6352
Type of gen. func.: ogf

$$-(f(x) - 1) (48 f(x) x - f(x) + x + 1)$$

Sequence: A167646
Score: 8.32930
Type of gen. func.: ogf

$$\frac{49 x^{13} + x^{12} + 2 x + 2}{x^{12} - 96 x + 2}$$

Sequence: A167647
Score: 7.6352
Type of gen. func.: ogf

$$-(f(x) - 1) (49 f(x) x - f(x) + x + 1)$$

Sequence: A167647
Score: 8.32930
Type of gen. func.: ogf

$$\frac{50 x^{13} + x^{12} + 2 x + 2}{x^{12} - 98 x + 2}$$

Sequence: A167649
Score: 9.77429
Type of gen. func.: ogf

$$(f(x) - 1) (3 f(x) x - f(x) + x + 1)^{2}$$

```
------------------------------------------------------------------------------

Sequence:  A167650
Score: 3.42633
Type of gen. func.: ogf


    14    13      9      8      7      6      5      4      3      2
(5 x   + x   + 2 x  + 2 x  + 2 x  + 2 x  + 2 x  + 2 x  + 2 x  + 2 x  + 2 x + 2)

       /   13      9      8      7      6      5      4      3      2
      /  (x   - 8 x  + 2 x  - 8 x  + 2 x  - 8 x  + 2 x  - 8 x  + 2 x  - 8 x + 2
     /

    )



------------------------------------------------------------------------------

Sequence:  A167650
Score: 9.81876
Type of gen. func.: ogf


                                                         2
                     (f(x) - 1) (4 f(x) x - f(x) + x + 1)



------------------------------------------------------------------------------

Sequence:  A167651
Score: 3.75071
Type of gen. func.: ogf


           14    13      7      6      5      4      3      2
        6 x   + x   + 2 x  + 2 x  + 2 x  + 2 x  + 2 x  + 2 x  + 2 x + 2
        ---------------------------------------------------------------
           13       7      6       5      4       3      2
          x   - 10 x  + 2 x  - 10 x  + 2 x  - 10 x  + 2 x  - 10 x + 2



------------------------------------------------------------------------------

Sequence:  A167651
Score: 9.18086
Type of gen. func.: ogf


                                                         2
                     (f(x) - 1) (5 f(x) x - f(x) + x + 1)



------------------------------------------------------------------------------

Sequence:  A167652
Score: 4.62488
Type of gen. func.: ogf


                  14    13      5      4      3      2
               7 x   + x   + 2 x  + 2 x  + 2 x  + 2 x  + 2 x + 2
               -------------------------------------------------
                  13       5      4       3      2
                 x   - 12 x  + 2 x  - 12 x  + 2 x  - 12 x + 2
```

Sequence: A167652
Score: 9.04269
Type of gen. func.: ogf

$$(f(x) - 1) (6 f(x) x - f(x) + x + 1)^2$$

Sequence: A167653
Score: 4.45929
Type of gen. func.: ogf

$$\frac{8 x^{14} + x^{13} + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{x^{13} - 14 x^5 + 2 x^4 - 14 x^3 + 2 x^2 - 14 x + 2}$$

Sequence: A167653
Score: 8.71892
Type of gen. func.: ogf

$$(f(x) - 1) (7 f(x) x - f(x) + x + 1)^2$$

Sequence: A167658
Score: 4.68798
Type of gen. func.: ogf

$$\frac{9 x^{14} + x^{13} + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{x^{13} - 16 x^5 + 2 x^4 - 16 x^3 + 2 x^2 - 16 x + 2}$$

Sequence: A167658
Score: 9.16605
Type of gen. func.: ogf

$$(f(x) - 1) (8 f(x) x - f(x) + x + 1)^2$$

Sequence: A167659
Score: 5.79966

Type of gen. func.: ogf

$$\frac{10 x^{14} + x^{13} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{13} - 18 x^{3} + 2 x^{2} - 18 x + 2}$$

Sequence: A167664
Score: 4.86799
Type of gen. func.: ogf

$$-(f(x) - 1) (10 f(x) x - f(x) + x + 1) (10 f(x) x + f(x) - 21 x - 1)$$

Sequence: A167664
Score: 5.60557
Type of gen. func.: ogf

$$\frac{11 x^{14} + x^{13} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{13} - 20 x^{3} + 2 x^{2} - 20 x + 2}$$

Sequence: A167665
Score: 4.86799
Type of gen. func.: ogf

$$-(f(x) - 1) (11 f(x) x - f(x) + x + 1) (11 f(x) x + f(x) - 23 x - 1)$$

Sequence: A167665
Score: 5.60557
Type of gen. func.: ogf

$$\frac{12 x^{14} + x^{13} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{13} - 22 x^{3} + 2 x^{2} - 22 x + 2}$$

Sequence: A167667
Score: 11.0275
Type of gen. func.: ogf

```
                 2                  2
```

$$-4 f(x) x + 4 f(x) x + 4 x - f(x) - x + 1$$

Sequence: A167667
Score: 14.7726
Type of gen. func.: ogf

$$\frac{4 x^{2} - x + 1}{(2 x - 1)^{2}}$$

Sequence: A167667
Score: 22.4487
Type of gen. func.: lgdogf

$$-\frac{3 (2 x + 1)}{(2 x - 1) (4 x^{2} - x + 1)}$$

Sequence: A167667
Score: 7.60146
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 12\}$$

Sequence: A167669
Score: 7.37469
Type of gen. func.: ogf

$$(f(x) - 1)^{2} (12 f(x) x - f(x) + x + 1)$$

Sequence: A167669
Score: 7.59815
Type of gen. func.: ogf

$$\frac{13 x^{14} + x^{13} + 2 x + 2}{x^{13} - 24 x + 2}$$

Sequence: A167670
Score: 7.54135
Type of gen. func.: ogf

$$(f(x) - 1)^2 (13 f(x) x - f(x) + x + 1)$$

Sequence: A167670
Score: 7.76986
Type of gen. func.: ogf

$$\frac{14 x^{14} + x^{13} + 2 x + 2}{x^{13} - 26 x + 2}$$

Sequence: A167671
Score: 7.74967
Type of gen. func.: ogf

$$(f(x) - 1)^2 (14 f(x) x - f(x) + x + 1)$$

Sequence: A167671
Score: 7.98450
Type of gen. func.: ogf

$$\frac{15 x^{14} + x^{13} + 2 x + 2}{x^{13} - 28 x + 2}$$

Sequence: A167672
Score: 7.87467
Type of gen. func.: ogf

$$(f(x) - 1)^2 (15 f(x) x - f(x) + x + 1)$$

Sequence: A167672
Score: 8.11329
Type of gen. func.: ogf

$$\frac{16 x^{14} + x^{13} + 2 x + 2}{x^{13} - 30 x + 2}$$

Sequence: A167673
Score: 8.08299
Type of gen. func.: ogf

$$(f(x) - 1)^2 (16 f(x) x - f(x) + x + 1)$$

Sequence: A167673
Score: 8.32792
Type of gen. func.: ogf

$$\frac{17 x^{14} + x^{13} + 2 x + 2}{x^{13} - 32 x + 2}$$

Sequence: A167674
Score: 8.20799
Type of gen. func.: ogf

$$(f(x) - 1)^2 (17 f(x) x - f(x) + x + 1)$$

Sequence: A167674
Score: 8.45670
Type of gen. func.: ogf

$$\frac{18 x^{14} + x^{13} + 2 x + 2}{x^{13} - 34 x + 2}$$

Sequence: A167676
Score: 6.89296
Type of gen. func.: ogf

$$-(f(x) - 1) (18 f(x) x - f(x) + x + 1)$$

Sequence: A167676
Score: 7.51961
Type of gen. func.: ogf

$$\frac{19 x^{14} + x^{13} + 2 x + 2}{x^{13} - 36 x + 2}$$

Sequence: A167679
Score: 9.18766
Type of gen. func.: ogf

$$- \frac{10 x^{21} + 10 x^{20} + 22 x^{11} + 21 x^{10} + 2 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^8 - x^6 + x^4 - x^2 + 1)}$$

Sequence: A167680
Score: 6.96998
Type of gen. func.: ogf

$$-(f(x) - 1) (19 f(x) x - f(x) + x + 1)$$

Sequence: A167680
Score: 7.60362
Type of gen. func.: ogf

$$\frac{20 x^{14} + x^{13} + 2 x + 2}{x^{13} - 38 x + 2}$$

Sequence: A167681
Score: 7.0855
Type of gen. func.: ogf

$$-(f(x) - 1) (20 f(x) x - f(x) + x + 1)$$

Sequence: A167681
Score: 7.72965
Type of gen. func.: ogf

$$\frac{21 x^{14} + x^{13} + 2 x + 2}{x^{13} - 40 x + 2}$$

Sequence: A167682
Score: 13.6471
Type of gen. func.: ogf

$$\frac{5 x^2 - 2 x + 1}{(3 x - 1)^2}$$

Sequence: A167682
Score: 7.02231
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 4, a(2) = 20\}$$

Sequence: A167682
Score: 7.77739
Type of gen. func.: ogf

$$(4 f(x) + 5) (9 f(x) x^2 - 6 f(x) x - 5 x^2 + f(x) + 2 x - 1)$$

Sequence: A167693
Score: 7.12401
Type of gen. func.: ogf

$$-(f(x) - 1) (21 f(x) x - f(x) + x + 1)$$

Sequence: A167693
Score: 7.77165
Type of gen. func.: ogf

$$\frac{22 x^{14} + x^{13} + 2 x + 2}{x^{13} - 42 x + 2}$$

Sequence: A167694
Score: 7.31655
Type of gen. func.: ogf

$$-(f(x) - 1) (22 f(x) x - f(x) + x + 1)$$

Sequence: A167694
Score: 7.98170
Type of gen. func.: ogf

$$\frac{23 x^{14} + x^{13} + 2 x + 2}{x^{13} - 44 x + 2}$$

Sequence: A167695
Score: 7.35506
Type of gen. func.: ogf

$$-(f(x) - 1) (23 f(x) x - f(x) + x + 1)$$

Sequence: A167695
Score: 8.02371
Type of gen. func.: ogf

$$\frac{24 x^{14} + x^{13} + 2 x + 2}{x^{13} - 46 x + 2}$$

Sequence: A167696
Score: 7.43208
Type of gen. func.: ogf

$$-(f(x) - 1) (24 f(x) x - f(x) + x + 1)$$

Sequence: A167696
Score: 8.10773
Type of gen. func.: ogf

$$\frac{25 x^{14} + x^{13} + 2 x + 2}{x^{13} - 48 x + 2}$$

Sequence: A167697
Score: 7.50909
Type of gen. func.: ogf

$$-(f(x) - 1) (25 f(x) x - f(x) + x + 1)$$

Sequence: A167697
Score: 8.19174
Type of gen. func.: ogf

$$\frac{26 x^{14} + x^{13} + 2 x + 2}{x^{13} - 50 x + 2}$$

Sequence: A167698
Score: 7.58611
Type of gen. func.: ogf

$$-(f(x) - 1) (26 f(x) x - f(x) + x + 1)$$

Sequence: A167698
Score: 8.27576
Type of gen. func.: ogf

$$\frac{27 x^{14} + x^{13} + 2 x + 2}{x^{13} - 52 x + 2}$$

Sequence: A167699
Score: 7.70164

Type of gen. func.: ogf

$$-(f(x) - 1) (27 f(x) x - f(x) + x + 1)$$

Sequence: A167699
Score: 8.40179
Type of gen. func.: ogf

$$\frac{28 x^{14} + x^{13} + 2 x + 2}{x^{13} - 54 x + 2}$$

Sequence: A167704
Score: 13.3998
Type of gen. func.: ogf

$$- \frac{x^{2} + 1}{(x + 1) (x^{3} + x - 1)}$$

Sequence: A167704
Score: 7.56838
Type of gen. func.: ogf

$$(f(x) + 10) (f(x) x^{4} + f(x) x^{3} + f(x) x^{2} + x^{2} - f(x) + 1)$$

Sequence: A167708
Score: 4.70643
Type of gen. func.: ogf

$$- (10 x^{9} + 66 x^{8} + 105 x^{7} + 959 x^{6} + 1530 x^{5} - 959 x^{4} - 105 x^{3} - 66 x^{2} - 10 x - 9) / (x^{10} - 340 x^{5} + 1)$$

Sequence: A167709
Score: 5.50139
Type of gen. func.: ogf

$$\frac{x\,(x^8 + 15\,x^7 + 24\,x^6 + 220\,x^5 + 351\,x^4 + 220\,x^3 + 24\,x^2 + 15\,x + 1)}{x^{10} - 340\,x^5 + 1}$$

Sequence: A167710
Score: 14.9092
Type of gen. func.: ogf

$$\frac{3\,x + 1}{(2\,x - 1)\,(3\,x^2 - 1)}$$

Sequence: A167710
Score: 16.1735
Type of gen. func.: lgdogf

$$-\frac{36\,x^3 + 9\,x^2 - 6\,x - 5}{(2\,x - 1)\,(3\,x + 1)\,(3\,x^2 - 1)}$$

Sequence: A167710
Score: 6.99282
Type of gen. func.: ogf

$$\{a(n + 3) - 2\,a(n + 2) - 3\,a(n + 1) + 6\,a(n),\ a(0) = 1,\ a(1) = 5,\ a(2) = 13\}$$

Sequence: A167710
Score: 7.24943
Type of gen. func.: ogf

$$-(27\,f(x) - 68)\,(6\,f(x)\,x^3 - 3\,f(x)\,x^2 - 2\,f(x)\,x + f(x) - 3\,x - 1)$$

Sequence: A167713
Score: 17.9437
Type of gen. func.: lgdogf

$$-\frac{6\,(-3 + 16\,x)}{(16\,x - 1)\,(4\,x - 1)}$$

Sequence: A167713
Score: 3.47875
Type of gen. func.: ogf

{(-n - 3) a(n + 3) + (58 + 20 n) a(n + 2) + (-160 - 64 n) a(n + 1), a(0) = 1,

a(1) = 18, a(2) = 294}

Sequence: A167713
Score: 6.31774
Type of gen. func.: ogf

$$1024 f(x)^2 x^3 - 384 f(x)^2 x^2 + 36 f(x)^2 x - f(x)^2 + 1$$

Sequence: A167714
Score: 7.74014
Type of gen. func.: ogf

$$-(f(x) - 1) (28 f(x) x - f(x) + x + 1)$$

Sequence: A167714
Score: 8.44380
Type of gen. func.: ogf

$$\frac{29 x^{14} + x^{13} + 2 x + 2}{x^{13} - 56 x + 2}$$

Sequence: A167715
Score: 7.81716
Type of gen. func.: ogf

$$-(f(x) - 1) (29 f(x) x - f(x) + x + 1)$$

Sequence: A167715
Score: 8.52782
Type of gen. func.: ogf

$$\frac{30 x^{14} + x^{13} + 2 x + 2}{x^{13} - 58 x + 2}$$

Sequence: A167744
Score: 6.26635
Type of gen. func.: ogf

$$- \frac{x^8 + 8 x^7 + 40 x^6 + 32 x^5 + 38 x^4 + 32 x^3 + 40 x^2 + 8 x + 1}{(x + 1)^2 (x^2 + 1)^2 (x - 1)^3}$$

Sequence: A167747
Score: 12.787
Type of gen. func.: ogf

$$-6 f(x) x + f(x) + 4 x - 1$$

Sequence: A167747
Score: 15.5517
Type of gen. func.: ogf

$$\frac{4 x - 1}{6 x - 1}$$

Sequence: A167747
Score: 16.5658
Type of gen. func.: revogf

$$1/8 + \frac{3 x}{4} - \frac{(36 x^2 - 4 x + 1)^{1/2}}{8}$$

Sequence: A167747
Score: 31.2909
Type of gen. func.: lgdogf

$$\frac{2}{}$$

$$(6 x - 1) (4 x - 1)$$

Sequence: A167747
Score: 7.99186
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 2\}$$

Sequence: A167756
Score: 7.85567
Type of gen. func.: ogf

$$-(f(x) - 1) (30 f(x) x - f(x) + x + 1)$$

Sequence: A167756
Score: 8.56982
Type of gen. func.: ogf

$$\frac{31 x^{14} + x^{13} + 2 x + 2}{x^{13} - 60 x + 2}$$

Sequence: A167757
Score: 7.85567
Type of gen. func.: ogf

$$-(f(x) - 1) (31 f(x) x - f(x) + x + 1)$$

Sequence: A167757
Score: 8.56982
Type of gen. func.: ogf

$$\frac{32 x^{14} + x^{13} + 2 x + 2}{x^{13} - 62 x + 2}$$

Sequence: A167762
Score: 18.7499

Type of gen. func.: ogf

$$\frac{x^2}{(2x-1)(3x^2-1)}$$

Sequence: A167762
Score: 21.7627
Type of gen. func.: lgdogf

$$-\frac{2(9x^2-3x-1)}{(2x-1)(3x^2-1)}$$

Sequence: A167762
Score: 6.98860
Type of gen. func.: ogf

$$\{a(n+3)-2a(n+2)-3a(n+1)+6a(n), a(0)=0, a(1)=0, a(2)=1\}$$

Sequence: A167762
Score: 9.4907
Type of gen. func.: ogf

$$-6f(x)x^3+3f(x)x^2+2f(x)x+x^2-f(x)$$

Sequence: A167765
Score: 8.12523
Type of gen. func.: ogf

$$-(f(x)-1)(32f(x)x-f(x)+x+1)$$

Sequence: A167765
Score: 8.86388
Type of gen. func.: ogf

$$\frac{33x^{14}+x^{13}+2x+2}{13}$$

$$x - 64 x + 2$$

Sequence: A167774
Score: 11.6962
Type of gen. func.: ogf

$$- \frac{9 (170 x - 1)}{x^2 - 340 x + 1}$$

Sequence: A167774
Score: 11.8654
Type of gen. func.: lgdogf

$$- \frac{2 (85 x^2 - x + 85)}{(170 x - 1) (x^2 - 340 x + 1)}$$

Sequence: A167774
Score: 5.79018
Type of gen. func.: ogf

$$-(3211 f(x) - 14449) (f(x) x^2 - 340 f(x) x + f(x) + 1530 x - 9)$$

Sequence: A167774
Score: 6.72194
Type of gen. func.: ogf

$$\{a(n + 2) - 340 a(n + 1) + a(n), a(0) = 9, a(1) = 1530\}$$

Sequence: A167775
Score: 10.5339
Type of gen. func.: revogf

$$- \frac{-5 - 170 x + (28899 x^2 + 741 x + 25)^{1/2}}{959 + x}$$

Sequence: A167775
Score: 10.7679
Type of gen. func.: lgdogf

$$-\frac{959 x^2 - 20 x + 2441}{(959 x - 10) (x^2 - 340 x + 1)}$$

Sequence: A167775
Score: 11.9014
Type of gen. func.: ogf

$$-\frac{959 x - 10}{x^2 - 340 x + 1}$$

Sequence: A167775
Score: 5.66732
Type of gen. func.: ogf

$$-(829920 f(x) - 2340719) (f(x) x^2 - 340 f(x) x + f(x) + 959 x - 10)$$

Sequence: A167775
Score: 6.76214
Type of gen. func.: ogf

$$\{a(n + 2) - 340 a(n + 1) + a(n), a(0) = 10, a(1) = 2441\}$$

Sequence: A167778
Score: 12.5170
Type of gen. func.: ogf

$$-\frac{3 (35 x - 22)}{x^2 - 340 x + 1}$$

Sequence: A167778
Score: 6.01777
Type of gen. func.: ogf

$$-(843752 f(x) - 259607) (f(x) x^2 - 340 f(x) x + f(x) + 105 x - 66)$$

Sequence: A167778
Score: 7.03200
Type of gen. func.: ogf

$$\{a(n + 2) - 340 a(n + 1) + a(n), a(0) = 66, a(1) = 22335\}$$

Sequence: A167778
Score: 8.39265
Type of gen. func.: revogf

$$-\frac{-33 - 170 x + 3 (3211 x^2 + 1235 x + 121)^{1/2}}{105 + x}$$

Sequence: A167778
Score: 9.75890
Type of gen. func.: lgdogf

$$-\frac{35 x^2 - 44 x + 7445}{(35 x - 22) (x^2 - 340 x + 1)}$$

Sequence: A167779
Score: 12.6709
Type of gen. func.: ogf

$$-\frac{3 (22 x - 35)}{x^2 - 340 x + 1}$$

Sequence: A167779
Score: 6.09175
Type of gen. func.: ogf

$$-(673075 f(x) - 129433) (f(x) x^2 - 340 f(x) x + f(x) + 66 x - 105)$$

Sequence: A167779
Score: 7.03937
Type of gen. func.: ogf

$$\{a(n + 2) - 340 a(n + 1) + a(n), a(0) = 105, a(1) = 35634\}$$

Sequence: A167779
Score: 7.62190
Type of gen. func.: revogf

$$-\frac{-105 - 340 x + 3 (12844 x^2 + 7904 x + 1225)^{1/2}}{2 (66 + x)}$$

Sequence: A167779
Score: 9.48503
Type of gen. func.: lgdogf

$$-\frac{2 (11 x^2 - 35 x + 5939)}{(22 x - 35) (x^2 - 340 x + 1)}$$

Sequence: A167780
Score: 4.34336
Type of gen. func.: ogf

$$-(55427541 f(x) - 710569) (f(x) x^2 - 340 f(x) x + f(x) + 10 x - 959)$$

Sequence: A167780
Score: 5.05931
Type of gen. func.: ogf

$$\{a(n + 2) - 340 a(n + 1) + a(n), a(0) = 959, a(1) = 326050\}$$

Sequence: A167780
Score: 7.64077
Type of gen. func.: revogf

$$-\frac{-959 - 340 x + (115596 x^2 + 652080 x + 919681)^{1/2}}{2 (10 + x)}$$

Sequence: A167780
Score: 9.20794
Type of gen. func.: ogf

$$-\frac{10 x - 959}{x^2 - 340 x + 1}$$

Sequence: A167780
Score: 9.39177
Type of gen. func.: lgdogf

$$-\frac{2 (5 x^2 - 959 x + 163025)}{(10 x - 959) (x^2 - 340 x + 1)}$$

Sequence: A167784
Score: 12.8336
Type of gen. func.: ogf

$$\frac{(x - 1)^2}{(2 x - 1) (3 x^2 - 1)}$$

Sequence: A167784
Score: 18.3874
Type of gen. func.: lgdogf

$$-\frac{2 x (3 x^2 - 9 x + 4)}{(x - 1) (2 x - 1) (3 x^2 - 1)}$$

Sequence: A167784
Score: 6.57859
Type of gen. func.: ogf

$$-(129 f(x) + 127) (6 f(x) x^3 - 3 f(x) x^2 - 2 f(x) x - x^2 + f(x) + 2 x - 1)$$

Sequence: A167784
Score: 7.05272
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 3 a(n + 1) + 6 a(n), a(0) = 1, a(1) = 0, a(2) = 4\}$$

Sequence: A167785
Score: 8.12523
Type of gen. func.: ogf

$$-(f(x) - 1) (33 f(x) x - f(x) + x + 1)$$

Sequence: A167785
Score: 8.86388
Type of gen. func.: ogf

$$\frac{34 x^{14} + x^{13} + 2 x + 2}{x^{13} - 66 x + 2}$$

Sequence: A167789
Score: 8.12523
Type of gen. func.: ogf

$$-(f(x) - 1) (34 f(x) x - f(x) + x + 1)$$

Sequence: A167789
Score: 8.86388
Type of gen. func.: ogf

$$\frac{35 x^{14} + x^{13} + 2 x + 2}{x^{13} - 68 x + 2}$$

Sequence: A167808
Score: 7.34195
Type of gen. func.: lgdogf

$$-\frac{2x^9-3x^8+4x^7+x^6+6x^5+4x^4+12x^3+9x^2+2x+1}{(x^2+x-1)(x^4-x^3+x^2+x+1)(x^4-x^3+2x^2+x+1)}$$

Sequence: A167808
Score: 9.96477
Type of gen. func.: ogf

$$-\frac{x(x^4-x^3+x^2+x+1)}{(x^2+x-1)(x^4-x^3+2x^2+x+1)}$$

Sequence: A167815
Score: 8.20224
Type of gen. func.: ogf

$$-(f(x)-1)(35 f(x) x - f(x) + x + 1)$$

Sequence: A167815
Score: 8.94791
Type of gen. func.: ogf

$$\frac{36x^{14}+x^{13}+2x+2}{x^{13}-70x+2}$$

Sequence: A167816
Score: 8.66500
Type of gen. func.: ogf

$$-\frac{x(x^6-x^5+2x^4-x^3-2x^2-x-1)}{(x^2+x-1)(x^2-x-1)(x^4+3x^2+1)}$$

Sequence: A167817
Score: 11.2647
Type of gen. func.: ogf

$$-(4 f(x) + 23) (f(x) x^4 + 3 x^3 + 3 x^2 - f(x) + 3 x + 1)$$

Sequence: A167817
Score: 12.4702
Type of gen. func.: lgdogf

$$-\frac{3 x^6 + 6 x^5 + 9 x^4 + 4 x^3 + 9 x^2 + 6 x + 3}{(x - 1) (x + 1) (x^2 + 1) (3 x^3 + 3 x^2 + 3 x + 1)}$$

Sequence: A167817
Score: 17.3911
Type of gen. func.: ogf

$$-\frac{3 x^3 + 3 x^2 + 3 x + 1}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A167818
Score: 11.1854
Type of gen. func.: ogf

$$-36 f(x) x + f(x) - x - 1$$

Sequence: A167818
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{36 x - 1}$$

Sequence: A167818
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n+2) - 36\,a(n+1),\ a(0) = 1,\ a(1) = 37\}$$

Sequence: A167820
Score: 13.7631
Type of gen. func.: ogf

$$\frac{351\,x}{x^2 - 340\,x + 1}$$

Sequence: A167820
Score: 18.3883
Type of gen. func.: lgdogf

$$-\frac{2\,(-170 + x)}{x^2 - 340\,x + 1}$$

Sequence: A167820
Score: 6.63869
Type of gen. func.: ogf

$$\{a(n+2) - 340\,a(n+1) + a(n),\ a(0) = 0,\ a(1) = 351\}$$

Sequence: A167820
Score: 6.76042
Type of gen. func.: revogf

$$-\frac{-351 - 340\,x + (38\,x + 39)^{1/2}\,(26\,x + 27)^{1/2}\,39^{1/2}\,3^{1/2}}{2\,x}$$

Sequence: A167820
Score: 8.95697
Type of gen. func.: ogf

$$-f(x)\,x^2 + 340\,f(x)\,x - f(x) + 351\,x$$

Sequence: A167821
Score: 16.8610
Type of gen. func.: ogf

$$\frac{2 x^2}{(2 x - 1) (x^2 + x - 1)}$$

Sequence: A167821
Score: 19.4929
Type of gen. func.: lgdogf

$$- \frac{6 x^2 + 2 x - 3}{(2 x - 1) (x^2 + x - 1)}$$

Sequence: A167821
Score: 6.89766
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - a(n + 1) - 2 a(n), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A167821
Score: 9.36719
Type of gen. func.: ogf

$$2 f(x) x^3 + f(x) x^2 - 3 f(x) x - 2 x^2 + f(x)$$

Sequence: A167822
Score: 10.5044
Type of gen. func.: lgdogf

$$- \frac{2 (5 x + 8) (22 x - 35)}{(220 x + 1) (x^2 - 340 x + 1)}$$

Sequence: A167822
Score: 11.6208
Type of gen. func.: ogf

$$\frac{220 x + 1}{x^2 - 340 x + 1}$$

Sequence: A167822
Score: 5.8703
Type of gen. func.: ogf

$$(95199 f(x) + 61601) (f(x) x^2 - 340 f(x) x + f(x) - 220 x - 1)$$

Sequence: A167822
Score: 6.62115
Type of gen. func.: ogf

$$\{-a(n + 2) + 340 a(n + 1) - a(n), a(0) = 1, a(1) = 560\}$$

Sequence: A167822
Score: 8.88833
Type of gen. func.: revogf

$$- \frac{-1 - 340 x + ((78 x + 1) (1482 x + 1))^{1/2}}{2 (-220 + x)}$$

Sequence: A167823
Score: 10.0112
Type of gen. func.: lgdogf

$$- \frac{2 (4 x + 61) (x - 14)}{(8 x + 5) (x^2 - 340 x + 1)}$$

Sequence: A167823
Score: 12.3013
Type of gen. func.: ogf

$$\frac{3 (8 x + 5)}{x^2 - 340 x + 1}$$

Sequence: A167823
Score: 6.27878
Type of gen. func.: ogf

$$(96785 f(x) + 6857) (f(x) x^2 - 340 f(x) x + f(x) - 24 x - 15)$$

Sequence: A167823
Score: 6.84958
Type of gen. func.: ogf

$$\{-a(n + 2) + 340 a(n + 1) - a(n), a(0) = 15, a(1) = 5124\}$$

Sequence: A167823
Score: 7.41573
Type of gen. func.: revogf

$$-\frac{-15 - 340 x + 3 ((494 x + 25) (26 x + 1))^{1/2}}{2 (-24 + x)}$$

Sequence: A167824
Score: 10.3961
Type of gen. func.: ogf

$$\frac{3 (5 x + 8)}{x^2 - 340 x + 1}$$

Sequence: A167824
Score: 10.4524
Type of gen. func.: lgdogf

$$-\frac{(x + 25) (5 x - 109)}{(5 x + 8) (x^2 - 340 x + 1)}$$

Sequence: A167824

```
Score: 5.19802
Type of gen. func.: ogf


                                       2
        (308828 f(x) + 13753) (f(x) x  - 340 f(x) x + f(x) - 15 x - 24)



--------------------------------------------------------------------------------

Sequence:  A167824
Score: 5.78872
Type of gen. func.: ogf


           {-a(n + 2) + 340 a(n + 1) - a(n), a(0) = 24, a(1) = 8175}



--------------------------------------------------------------------------------

Sequence:  A167824
Score: 8.15286
Type of gen. func.: revogf


                                                              1/2
                   -12 - 170 x + 3 ((13 x + 1) (247 x + 16))
                 - ---------------------------------------------
                                       -15 + x



--------------------------------------------------------------------------------

Sequence:  A167825
Score: 11.3585
Type of gen. func.: lgdogf


                                 (x + 571) (x - 131)
                              - ---------------------------
                                              2
                                (x + 220) (x  - 340 x + 1)



--------------------------------------------------------------------------------

Sequence:  A167825
Score: 4.36844
Type of gen. func.: ogf


                                          2
        (25431900 f(x) + 171601) (f(x) x  - 340 f(x) x + f(x) - x - 220)



--------------------------------------------------------------------------------

Sequence:  A167825
Score: 4.90238
Type of gen. func.: ogf


          {-a(n + 2) + 340 a(n + 1) - a(n), a(0) = 220, a(1) = 74801}
```

Sequence: A167825
Score: 8.63244
Type of gen. func.: revogf

$$-\frac{-110 - 170 x + ((741 x + 484) (39 x + 25))^{1/2}}{x - 1}$$

Sequence: A167825
Score: 9.00437
Type of gen. func.: ogf

$$\frac{x + 220}{x^2 - 340 x + 1}$$

Sequence: A167826
Score: 9.53451
Type of gen. func.: ogf

$$-\frac{2 x^5}{(2 x - 1) (x^2 + x - 1) (x^3 + x^2 + x - 1)}$$

Sequence: A167826
Score: 9.75011
Type of gen. func.: lgdogf

$$-\frac{12 x^5 + 15 x^4 - 9 x^2 - 6 x + 4}{(2 x - 1) (x^2 + x - 1) (x^3 + x^2 + x - 1)}$$

Sequence: A167827
Score: 11.1854
Type of gen. func.: ogf

$$-37 f(x) x + f(x) - x - 1$$

Sequence: A167827
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{37 x - 1}$$

Sequence: A167827
Score: 6.95311
Type of gen. func.: ogf

{a(n + 2) - 37 a(n + 1), a(0) = 1, a(1) = 38}

Sequence: A167828
Score: 11.3032
Type of gen. func.: ogf

-38 f(x) x + f(x) - x - 1

Sequence: A167828
Score: 13.6828
Type of gen. func.: ogf

$$-\frac{x + 1}{38 x - 1}$$

Sequence: A167828
Score: 7.02630
Type of gen. func.: ogf

{a(n + 2) - 38 a(n + 1), a(0) = 1, a(1) = 39}

Sequence: A167829
Score: 11.362
Type of gen. func.: ogf

-39 f(x) x + f(x) - x - 1

Sequence: A167829

Score: 13.7541
Type of gen. func.: ogf

$$-\frac{x + 1}{39 x - 1}$$

Sequence: A167829
Score: 7.06289
Type of gen. func.: ogf

$$\{a(n + 2) - 39 a(n + 1), a(0) = 1, a(1) = 40\}$$

Sequence: A167830
Score: 11.4798
Type of gen. func.: ogf

$$-40 f(x) x + f(x) - x - 1$$

Sequence: A167830
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{40 x - 1}$$

Sequence: A167830
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 40 a(n + 1), a(0) = 1, a(1) = 41\}$$

Sequence: A167848
Score: 11.4798
Type of gen. func.: ogf

$$-41 f(x) x + f(x) - x - 1$$

Sequence: A167848
Score: 13.8966

```
Type of gen. func.: ogf


                                      x + 1
                                   - --------
                                     41 x - 1



------------------------------------------------------------------------------

Sequence:  A167848
Score: 7.13608
Type of gen. func.: ogf


                 {a(n + 2) - 41 a(n + 1), a(0) = 1, a(1) = 42}



------------------------------------------------------------------------------

Sequence:  A167849
Score: 11.5386
Type of gen. func.: ogf


                           -42 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A167849
Score: 13.9678
Type of gen. func.: ogf


                                      x + 1
                                   - --------
                                     42 x - 1



------------------------------------------------------------------------------

Sequence:  A167849
Score: 7.17268
Type of gen. func.: ogf


                 {a(n + 2) - 42 a(n + 1), a(0) = 1, a(1) = 43}



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Sequence:  A167854
Score: 11.5975
Type of gen. func.: ogf


                           -43 f(x) x + f(x) - x - 1



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Sequence:  A167854
Score: 14.0391
Type of gen. func.: ogf
```

$$-\frac{x + 1}{43 x - 1}$$

Sequence: A167854
Score: 7.20927
Type of gen. func.: ogf

$$\{a(n + 2) - 43 a(n + 1), a(0) = 1, a(1) = 44\}$$

Sequence: A167855
Score: 11.7153
Type of gen. func.: ogf

$$-44 f(x) x + f(x) - x - 1$$

Sequence: A167855
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{44 x - 1}$$

Sequence: A167855
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 44 a(n + 1), a(0) = 1, a(1) = 45\}$$

Sequence: A167858
Score: 17.9381
Type of gen. func.: lgdogf

$$\frac{2 (24 x^3 + 54 x^2 + 36 x + 7)}{12 x^4 + 36 x^3 + 36 x^2 + 14 x + 3}$$

Sequence: A167858
Score: 5.67015
Type of gen. func.: ogf

$$\{-a(n + 5), a(0) = 3, a(1) = 14, a(2) = 36, a(3) = 36, a(4) = 12\}$$

Sequence: A167858
Score: 6.1976
Type of gen. func.: ogf

$$-(169 f(x) + 1554) (-12 x^4 - 36 x^3 - 36 x^2 + f(x) - 14 x - 3)$$

Sequence: A167861
Score: 11.7153
Type of gen. func.: ogf

$$-45 f(x) x + f(x) - x - 1$$

Sequence: A167861
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{45 x - 1}$$

Sequence: A167861
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 45 a(n + 1), a(0) = 1, a(1) = 46\}$$

Sequence: A167862
Score: 11.7153
Type of gen. func.: ogf

$$-46 f(x) x + f(x) - x - 1$$

Sequence: A167862
Score: 14.1816

Type of gen. func.: ogf

$$-\frac{x + 1}{46 x - 1}$$

Sequence: A167862
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 46 a(n + 1), a(0) = 1, a(1) = 47\}$$

Sequence: A167863
Score: 11.9507
Type of gen. func.: ogf

$$-47 f(x) x + f(x) - x - 1$$

Sequence: A167863
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{47 x - 1}$$

Sequence: A167863
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 47 a(n + 1), a(0) = 1, a(1) = 48\}$$

Sequence: A167873
Score: 13.2649
Type of gen. func.: ogf

$$-\frac{2 (2 x^3 + 5 x^2 + 3 x + 5)}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A167873
Score: 8.99575
Type of gen. func.: ogf

$$(f(x) - 295) (f(x) x^4 + 4 x^3 + 10 x^2 - f(x) + 6 x + 10)$$

Sequence: A167873
Score: 9.45091
Type of gen. func.: lgdogf

$$- \frac{2 x^6 + 10 x^5 + 9 x^4 + 20 x^3 + 6 x^2 + 10 x + 3}{(x - 1) (x + 1) (x^2 + 1) (2 x^3 + 5 x^2 + 3 x + 5)}$$

Sequence: A167875
Score: 12.0358
Type of gen. func.: ogf

$$\frac{x^2 + 1}{(x - 1)^4}$$

Sequence: A167875
Score: 26.8081
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^3 + x + 4]$$

Sequence: A167875
Score: 29.5110
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 + x + 2)}{(x - 1) (x^2 + 1)}$$

Sequence: A167875

Score: 4.11753
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-7 - n) a(n + 3) + n a(n + 2) + (-n - 3) a(n + 1),$$
$$a(0) = 1, a(1) = 4, a(2) = 11, a(3) = 24\}$$

Sequence: A167875
Score: 6.16008
Type of gen. func.: ogf

$$(49 f(x) + 32) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - x^2 + f(x) - 1)$$

Sequence: A167876
Score: 29.4751
Type of gen. func.: lgdogf

$$\frac{6 x^2 + 8 x + 3}{(x + 1) (2 x^2 + 2 x + 1)}$$

Sequence: A167876
Score: 46.3180
Type of gen. func.: revogf

$$\frac{(8 x + 1)^{1/4}}{2} - 1/2$$

Sequence: A167876
Score: 7.04384
Type of gen. func.: ogf

$$\{a(n + 4), a(0) = 1, a(1) = 3, a(2) = 4, a(3) = 2\}$$

Sequence: A167876
Score: 7.55425
Type of gen. func.: ogf

$$-(9 f(x) - 4) (-2 x^3 - 4 x^2 + f(x) - 3 x - 1)$$

Sequence: A167879
Score: 11.9507
Type of gen. func.: ogf

$$-48 f(x) x + f(x) - x - 1$$

Sequence: A167879
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{48 x - 1}$$

Sequence: A167879
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 48 a(n + 1), a(0) = 1, a(1) = 49\}$$

Sequence: A167880
Score: 11.9507
Type of gen. func.: ogf

$$-49 f(x) x + f(x) - x - 1$$

Sequence: A167880
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{49 x - 1}$$

Sequence: A167880
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 49 a(n + 1), a(0) = 1, a(1) = 50\}$$

Sequence: A167882
Score: 3.41082
Type of gen. func.: ogf

$$(4 x^{15} + x^{14} + 2 x^9 + 2 x^8 + 2 x^7 + 2 x^6 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2) / (x^{14} - 6 x^9 + 2 x^8 - 6 x^7 + 2 x^6 - 6 x^5 + 2 x^4 - 6 x^3 + 2 x^2 - 6 x + 2)$$

Sequence: A167889
Score: 14.7470
Type of gen. func.: lgdogf

$$- \frac{2 (54 x^2 - 9 x - 2)}{(3 x - 1) (3 x + 1) (4 x - 1)}$$

Sequence: A167889
Score: 15.2514
Type of gen. func.: ogf

$$\frac{x^2}{(3 x - 1) (3 x + 1) (4 x - 1)}$$

Sequence: A167889
Score: 5.77078
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) - 9 a(n + 1) + 36 a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A167889
Score: 7.81166
Type of gen. func.: ogf

$$-36 f(x) x^3 + 9 f(x) x^2 + 4 f(x) x + x^2 - f(x)$$

Sequence: A167891
Score: 14.7597
Type of gen. func.: ogf

$$2 x^2 + 4 x + 1 - f(x)$$

Sequence: A167891
Score: 46.3180
Type of gen. func.: lgdogf

$$\frac{4 (x + 1)}{2 x^2 + 4 x + 1}$$

Sequence: A167891
Score: 7.82712
Type of gen. func.: ogf

$$\{-a(n + 3), a(0) = 1, a(1) = 4, a(2) = 2\}$$

Sequence: A167892
Score: 3.52439
Type of gen. func.: ogf

$$\{(-16 n^2 - 112 n - 196) a(n + 1) + (17 n^2 + 122 n + 221) a(n + 2)$$
$$+ (-n^2 - 10 n - 25) a(n + 3), a(0) = 1, a(1) = 5, a(2) = 30\}$$

Sequence: A167893
Score: 3.25492
Type of gen. func.: ogf

$$\{(-64 n^3 - 672 n^2 - 2352 n - 2744) a(n + 1)$$
$$+ (65 n^3 + 687 n^2 + 2427 n + 2869) a(n + 2)$$
$$+ (-n^3 - 15 n^2 - 75 n - 125) a(n + 3), a(0) = 1, a(1) = 9, a(2) = 134\}$$

Sequence: A167896
Score: 4.11160
Type of gen. func.: ogf

$$\frac{5 x^{15} + x^{14} + 2 x^{7} + 2 x^{6} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{14} - 8 x^{7} + 2 x^{6} - 8 x^{5} + 2 x^{4} - 8 x^{3} + 2 x^{2} - 8 x + 2}$$

Sequence: A167897
Score: 4.69555
Type of gen. func.: ogf

$$\frac{6 x^{15} + x^{14} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{14} - 10 x^{5} + 2 x^{4} - 10 x^{3} + 2 x^{2} - 10 x + 2}$$

Sequence: A167898
Score: 4.62488
Type of gen. func.: ogf

$$\frac{7 x^{15} + x^{14} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{14} - 12 x^{5} + 2 x^{4} - 12 x^{3} + 2 x^{2} - 12 x + 2}$$

Sequence: A167899
Score: 5.96089
Type of gen. func.: ogf

$$\frac{8 x^{15} + x^{14} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{14} - 14 x^{3} + 2 x^{2} - 14 x + 2}$$

Sequence: A167900
Score: 6.26658
Type of gen. func.: ogf

$$\frac{9 x^{15} + x^{14} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{14} - 16 x^{3} + 2 x^{2} - 16 x + 2}$$

Sequence: A167908
Score: 5.12648
Type of gen. func.: ogf

$$-(f(x) - 1) (9 f(x) x - f(x) + x + 1) (9 f(x) x + f(x) - 19 x - 1)$$

Sequence: A167908
Score: 5.79966
Type of gen. func.: ogf

$$\frac{10 x^{15} + x^{14} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{14} - 18 x^{3} + 2 x^{2} - 18 x + 2}$$

Sequence: A167910
Score: 19.0305
Type of gen. func.: ogf

$$\frac{x^{2}}{(3 x - 1) (2 x + 1) (2 x - 1)}$$

Sequence: A167910
Score: 7.20074
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 4 a(n + 1) + 12 a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A167910
Score: 9.74733
Type of gen. func.: ogf

$$-12 f(x) x^{3} + 4 f(x) x^{2} + 3 f(x) x + x^{2} - f(x)$$

Sequence: A167914
Score: 8.16105
Type of gen. func.: ogf

$$(f(x) - 1)^{2} (10 f(x) x - f(x) + x + 1)$$

Sequence: A167914
Score: 8.40835
Type of gen. func.: ogf

$$\frac{11 x^{15} + x^{14} + 2 x + 2}{x^{14} - 20 x + 2}$$

Sequence: A167916
Score: 8.16105
Type of gen. func.: ogf

$$(f(x) - 1)^{2} (11 f(x) x - f(x) + x + 1)$$

Sequence: A167916
Score: 8.40835
Type of gen. func.: ogf

$$\frac{12 x^{15} + x^{14} + 2 x + 2}{x^{14} - 22 x + 2}$$

Sequence: A167919
Score: 6.96498
Type of gen. func.: ogf

$$-(f(x) - 1) (12 f(x) x - f(x) + x + 1)$$

Sequence: A167919
Score: 7.59815
Type of gen. func.: ogf

$$\frac{13 x^{15} + x^{14} + 2 x + 2}{{}^{14}}$$

$$x - 24 x + 2$$

Sequence: A167922
Score: 7.12238
Type of gen. func.: ogf

$$-(f(x) - 1) (13 f(x) x - f(x) + x + 1)$$

Sequence: A167922
Score: 7.76986
Type of gen. func.: ogf

$$\frac{14 x^{15} + x^{14} + 2 x + 2}{x^{14} - 26 x + 2}$$

Sequence: A167923
Score: 7.31913
Type of gen. func.: ogf

$$-(f(x) - 1) (14 f(x) x - f(x) + x + 1)$$

Sequence: A167923
Score: 7.98450
Type of gen. func.: ogf

$$\frac{15 x^{15} + x^{14} + 2 x + 2}{x^{14} - 28 x + 2}$$

Sequence: A167924
Score: 7.43718
Type of gen. func.: ogf

$$-(f(x) - 1) (15 f(x) x - f(x) + x + 1)$$

Sequence: A167924
Score: 8.11329

Type of gen. func.: ogf

$$\frac{16 x^{15} + x^{14} + 2 x + 2}{x^{14} - 30 x + 2}$$

Sequence: A167926
Score: 7.63394
Type of gen. func.: ogf

$$-(f(x) - 1) (16 f(x) x - f(x) + x + 1)$$

Sequence: A167926
Score: 8.32792
Type of gen. func.: ogf

$$\frac{17 x^{15} + x^{14} + 2 x + 2}{x^{14} - 32 x + 2}$$

Sequence: A167927
Score: 7.75199
Type of gen. func.: ogf

$$-(f(x) - 1) (17 f(x) x - f(x) + x + 1)$$

Sequence: A167927
Score: 8.45670
Type of gen. func.: ogf

$$\frac{18 x^{15} + x^{14} + 2 x + 2}{x^{14} - 34 x + 2}$$

Sequence: A167929
Score: 10.789
Type of gen. func.: ogf

$$-18 f(x) x + f(x) - x - 1$$

Sequence: A167929
Score: 13.0604
Type of gen. func.: ogf

$$-\frac{x + 1}{18 x - 1}$$

Sequence: A167929
Score: 6.70668
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1), a(0) = 1, a(1) = 19\}$$

Sequence: A167931
Score: 10.9095
Type of gen. func.: ogf

$$-19 f(x) x + f(x) - x - 1$$

Sequence: A167931
Score: 13.2063
Type of gen. func.: ogf

$$-\frac{x + 1}{19 x - 1}$$

Sequence: A167931
Score: 6.78161
Type of gen. func.: ogf

$$\{a(n + 2) - 19 a(n + 1), a(0) = 1, a(1) = 20\}$$

Sequence: A167933
Score: 11.0904
Type of gen. func.: ogf

$$-20 f(x) x + f(x) - x - 1$$

```
------------------------------------------------------------------------------

Sequence:  A167933
Score: 13.4252
Type of gen. func.: ogf

                                        x + 1
                                     - --------
                                       20 x - 1


------------------------------------------------------------------------------

Sequence:  A167933
Score: 6.89401
Type of gen. func.: ogf

                  {a(n + 2) - 20 a(n + 1), a(0) = 1, a(1) = 21}


------------------------------------------------------------------------------

Sequence:  A167935
Score: 11.1506
Type of gen. func.: ogf

                            -21 f(x) x + f(x) - x - 1


------------------------------------------------------------------------------

Sequence:  A167935
Score: 13.4981
Type of gen. func.: ogf

                                        x + 1
                                     - --------
                                       21 x - 1


------------------------------------------------------------------------------

Sequence:  A167935
Score: 6.93147
Type of gen. func.: ogf

                  {a(n + 2) - 21 a(n + 1), a(0) = 1, a(1) = 22}


------------------------------------------------------------------------------

Sequence:  A167936
Score: 13.6105
Type of gen. func.: ogf

                                      x (x - 1)
                               - ----------------------
                                                2
```

$$(2 x - 1) (3 x - 1)$$

Sequence: A167936
Score: 16.6352
Type of gen. func.: lgdogf

$$-\frac{12 x^3 - 21 x^2 + 6 x + 1}{(x - 1) (2 x - 1) (3 x^2 - 1)}$$

Sequence: A167936
Score: 6.98918
Type of gen. func.: ogf

$$-(f(x) + 1) (6 f(x) x^3 - 3 f(x) x^2 - 2 f(x) x + x^2 + f(x) - x)$$

Sequence: A167936
Score: 6.98918
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 3 a(n + 1) - 6 a(n), a(0) = 0, a(1) = 1, a(2) = 1\}$$

Sequence: A167937
Score: 11.452
Type of gen. func.: ogf

$$-22 f(x) x + f(x) - x - 1$$

Sequence: A167937
Score: 13.8629
Type of gen. func.: ogf

$$-\frac{x + 1}{22 x - 1}$$

Sequence: A167937
Score: 7.11881
Type of gen. func.: ogf

{a(n + 2) - 22 a(n + 1), a(0) = 1, a(1) = 23}

Sequence: A167938
Score: 11.5123
Type of gen. func.: ogf

$$-23 f(x) x + f(x) - x - 1$$

Sequence: A167938
Score: 13.9359
Type of gen. func.: ogf

$$-\frac{x + 1}{23 x - 1}$$

Sequence: A167938
Score: 7.15628
Type of gen. func.: ogf

{a(n + 2) - 23 a(n + 1), a(0) = 1, a(1) = 24}

Sequence: A167940
Score: 11.6328
Type of gen. func.: ogf

$$-24 f(x) x + f(x) - x - 1$$

Sequence: A167940
Score: 14.0818
Type of gen. func.: ogf

$$-\frac{x + 1}{24 x - 1}$$

Sequence: A167940
Score: 7.23122
Type of gen. func.: ogf

{a(n + 2) - 24 a(n + 1), a(0) = 1, a(1) = 25}

Sequence: A167941
Score: 11.7534
Type of gen. func.: ogf

-25 f(x) x + f(x) - x - 1

Sequence: A167941
Score: 14.2278
Type of gen. func.: ogf

$$-\frac{x + 1}{25 x - 1}$$

Sequence: A167941
Score: 7.30615
Type of gen. func.: ogf

{a(n + 2) - 25 a(n + 1), a(0) = 1, a(1) = 26}

Sequence: A167942
Score: 11.8739
Type of gen. func.: ogf

-26 f(x) x + f(x) - x - 1

Sequence: A167942
Score: 14.3737
Type of gen. func.: ogf

$$-\frac{x + 1}{26 x - 1}$$

Sequence: A167942
Score: 7.38108
Type of gen. func.: ogf

$$\{a(n + 2) - 26 a(n + 1), a(0) = 1, a(1) = 27\}$$

Sequence: A167943
Score: 12.0547
Type of gen. func.: ogf

$$-27 f(x) x + f(x) - x - 1$$

Sequence: A167943
Score: 14.5926
Type of gen. func.: ogf

$$-\frac{x + 1}{27 x - 1}$$

Sequence: A167943
Score: 7.49349
Type of gen. func.: ogf

$$\{a(n + 2) - 27 a(n + 1), a(0) = 1, a(1) = 28\}$$

Sequence: A167944
Score: 12.115
Type of gen. func.: ogf

$$-28 f(x) x + f(x) - x - 1$$

Sequence: A167944
Score: 14.6656
Type of gen. func.: ogf

$$-\frac{x + 1}{28 x - 1}$$

Sequence: A167944
Score: 7.53096
Type of gen. func.: ogf

$$\{a(n + 2) - 28 a(n + 1), a(0) = 1, a(1) = 29\}$$

Sequence: A167945
Score: 12.2356
Type of gen. func.: ogf

$$-29 f(x) x + f(x) - x - 1$$

Sequence: A167945
Score: 14.8115
Type of gen. func.: ogf

$$-\frac{x + 1}{29 x - 1}$$

Sequence: A167945
Score: 7.60589
Type of gen. func.: ogf

$$\{a(n + 2) - 29 a(n + 1), a(0) = 1, a(1) = 30\}$$

Sequence: A167946
Score: 12.2958
Type of gen. func.: ogf

$$-30 f(x) x + f(x) - x - 1$$

Sequence: A167946
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{30 x - 1}$$

Sequence: A167946
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 30 a(n + 1), a(0) = 1, a(1) = 31\}$$

```
------------------------------------------------------------------------------

Sequence:  A167947
Score: 12.2958
Type of gen. func.: ogf


                           -31 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A167947
Score: 14.8844
Type of gen. func.: ogf


                                        x + 1
                                     - --------
                                       31 x - 1



------------------------------------------------------------------------------

Sequence:  A167947
Score: 7.64335
Type of gen. func.: ogf


                 {a(n + 2) - 31 a(n + 1), a(0) = 1, a(1) = 32}



------------------------------------------------------------------------------

Sequence:  A167949
Score: 12.7177
Type of gen. func.: ogf


                           -32 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A167949
Score: 15.3952
Type of gen. func.: ogf


                                        x + 1
                                     - --------
                                       32 x - 1



------------------------------------------------------------------------------

Sequence:  A167949
Score: 7.90562
Type of gen. func.: ogf


                 {a(n + 2) - 32 a(n + 1), a(0) = 1, a(1) = 33}
```

Sequence: A167950
Score: 12.7177
Type of gen. func.: ogf

$$-33 f(x) x + f(x) - x - 1$$

Sequence: A167950
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{33 x - 1}$$

Sequence: A167950
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 33 a(n + 1), a(0) = 1, a(1) = 34\}$$

Sequence: A167951
Score: 12.7177
Type of gen. func.: ogf

$$-34 f(x) x + f(x) - x - 1$$

Sequence: A167951
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{34 x - 1}$$

Sequence: A167951
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 34 a(n + 1), a(0) = 1, a(1) = 35\}$$

Sequence: A167952
Score: 12.8383
Type of gen. func.: ogf

$$-35 f(x) x + f(x) - x - 1$$

Sequence: A167952
Score: 15.5411
Type of gen. func.: ogf

$$-\frac{x + 1}{35 x - 1}$$

Sequence: A167952
Score: 7.98057
Type of gen. func.: ogf

$$\{a(n + 2) - 35 a(n + 1), a(0) = 1, a(1) = 36\}$$

Sequence: A167953
Score: 11.1854
Type of gen. func.: ogf

$$-36 f(x) x + f(x) - x - 1$$

Sequence: A167953
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{36 x - 1}$$

Sequence: A167953
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 36 a(n + 1), a(0) = 1, a(1) = 37\}$$

Sequence: A167954
Score: 11.1854
Type of gen. func.: ogf

$$-37 f(x) x + f(x) - x - 1$$

Sequence: A167954
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{37 x - 1}$$

Sequence: A167954
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 37 a(n + 1), a(0) = 1, a(1) = 38\}$$

Sequence: A167955
Score: 11.3032
Type of gen. func.: ogf

$$-38 f(x) x + f(x) - x - 1$$

Sequence: A167955
Score: 13.6828
Type of gen. func.: ogf

$$-\frac{x + 1}{38 x - 1}$$

Sequence: A167955
Score: 7.02630
Type of gen. func.: ogf

$$\{a(n + 2) - 38 a(n + 1), a(0) = 1, a(1) = 39\}$$

Sequence: A167956
Score: 11.362
Type of gen. func.: ogf

```
-39 f(x) x + f(x) - x - 1
```

Sequence: A167956
Score: 13.7541
Type of gen. func.: ogf

```
  x + 1
- --------
  39 x - 1
```

Sequence: A167956
Score: 7.06289
Type of gen. func.: ogf

```
{a(n + 2) - 39 a(n + 1), a(0) = 1, a(1) = 40}
```

Sequence: A167957
Score: 11.4798
Type of gen. func.: ogf

```
-40 f(x) x + f(x) - x - 1
```

Sequence: A167957
Score: 13.8966
Type of gen. func.: ogf

```
  x + 1
- --------
  40 x - 1
```

Sequence: A167957
Score: 7.13608
Type of gen. func.: ogf

```
{a(n + 2) - 40 a(n + 1), a(0) = 1, a(1) = 41}
```

Sequence: A167958

Score: 11.4798
Type of gen. func.: ogf

$$-41 f(x) x + f(x) - x - 1$$

Sequence: A167958
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{41 x - 1}$$

Sequence: A167958
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 41 a(n + 1), a(0) = 1, a(1) = 42\}$$

Sequence: A167959
Score: 11.5386
Type of gen. func.: ogf

$$-42 f(x) x + f(x) - x - 1$$

Sequence: A167959
Score: 13.9678
Type of gen. func.: ogf

$$-\frac{x + 1}{42 x - 1}$$

Sequence: A167959
Score: 7.17268
Type of gen. func.: ogf

$$\{a(n + 2) - 42 a(n + 1), a(0) = 1, a(1) = 43\}$$

Sequence: A167960
Score: 11.5975

Type of gen. func.: ogf

```
                           -43 f(x) x + f(x) - x - 1
```

Sequence: A167960
Score: 14.0391
Type of gen. func.: ogf

```
                                        x + 1
                                      - --------
                                        43 x - 1
```

Sequence: A167960
Score: 7.20927
Type of gen. func.: ogf

```
                 {a(n + 2) - 43 a(n + 1), a(0) = 1, a(1) = 44}
```

Sequence: A167961
Score: 11.7153
Type of gen. func.: ogf

```
                           -44 f(x) x + f(x) - x - 1
```

Sequence: A167961
Score: 14.1816
Type of gen. func.: ogf

```
                                        x + 1
                                      - --------
                                        44 x - 1
```

Sequence: A167961
Score: 7.28246
Type of gen. func.: ogf

```
                 {a(n + 2) - 44 a(n + 1), a(0) = 1, a(1) = 45}
```

Sequence: A167962
Score: 11.7153
Type of gen. func.: ogf

$$-45 f(x) x + f(x) - x - 1$$

Sequence: A167962
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{45 x - 1}$$

Sequence: A167962
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 45 a(n + 1), a(0) = 1, a(1) = 46\}$$

Sequence: A167963
Score: 6.22171
Type of gen. func.: ogf

$$-\frac{x (31 x^{4} + 146 x^{3} + 156 x^{2} + 26 x + 1)}{(x - 1)^{7}}$$

Sequence: A167963
Score: 9.09601
Type of gen. func.: lgdogf

$$-\frac{3 (31 x^{4} + 236 x^{3} + 406 x^{2} + 156 x + 11)}{(x - 1) (31 x^{4} + 146 x^{3} + 156 x^{2} + 26 x + 1)}$$

Sequence: A167964
Score: 7.49436
Type of gen. func.: ogf_with_Euler_transform]

```
     49       48     47     46     3    2
   -x   - 2 x   - x   - x   - x  - x  - x - 1
 - ---------------------------------------------
          49     48     47     3    2
```

$$x + x + x + x + x + x + 1$$

Sequence: A167975
Score: 10.5881
Type of gen. func.: lgdogf

$$\frac{812 x^{32} - 839 x^{31} - 869 x^{30} + 900 x^{29} - 2 x^{2} - 4 x - 2}{(x - 1) (x + 1) (29 x^{31} - 30 x^{30} + x + 1)}$$

Sequence: A167975
Score: 12.4202
Type of gen. func.: ogf

$$\frac{29 x^{31} - 30 x^{30} + x + 1}{(x + 1) (x - 1)^{2}}$$

Sequence: A167978
Score: 11.7153
Type of gen. func.: ogf

$$-46 f(x) x + f(x) - x - 1$$

Sequence: A167978
Score: 14.1816
Type of gen. func.: ogf

$$- \frac{x + 1}{46 x - 1}$$

Sequence: A167978
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 46 a(n + 1), a(0) = 1, a(1) = 47\}$$

```
Sequence:  A167980
Score: 11.9507
Type of gen. func.: ogf


                              -47 f(x) x + f(x) - x - 1



-------------------------------------------------------------------------------

Sequence:  A167980
Score: 14.4667
Type of gen. func.: ogf


                                         x + 1
                                     - --------
                                        47 x - 1



-------------------------------------------------------------------------------

Sequence:  A167980
Score: 7.42884
Type of gen. func.: ogf


                 {a(n + 2) - 47 a(n + 1), a(0) = 1, a(1) = 48}



-------------------------------------------------------------------------------

Sequence:  A167988
Score: 11.9507
Type of gen. func.: ogf


                              -48 f(x) x + f(x) - x - 1



-------------------------------------------------------------------------------

Sequence:  A167988
Score: 14.4667
Type of gen. func.: ogf


                                         x + 1
                                     - --------
                                        48 x - 1



-------------------------------------------------------------------------------

Sequence:  A167988
Score: 7.42884
Type of gen. func.: ogf


                 {a(n + 2) - 48 a(n + 1), a(0) = 1, a(1) = 49}



-------------------------------------------------------------------------------

Sequence:  A167989
```

Score: 11.9507
Type of gen. func.: ogf

$$-49 f(x) x + f(x) - x - 1$$

Sequence: A167989
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{49 x - 1}$$

Sequence: A167989
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 49 a(n + 1), a(0) = 1, a(1) = 50\}$$

Sequence: A167993
Score: 19.3288
Type of gen. func.: ogf

$$\frac{x^2}{(3 x - 1) (3 x^2 - 1)}$$

Sequence: A167993
Score: 22.4479
Type of gen. func.: lgdogf

$$-\frac{3 (9 x^2 - 2 x - 1)}{(3 x - 1) (3 x^2 - 1)}$$

Sequence: A167993
Score: 7.20436
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 3 a(n + 1) + 9 a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A167993
Score: 9.78369
Type of gen. func.: ogf

$$-9 f(x) x^3 + 3 f(x) x^2 + 3 f(x) x + x^2 - f(x)$$

Sequence: A168028
Score: 15.1196
Type of gen. func.: lgdogf

$$-\frac{5251 x^2 - 9782 x + 4567}{(x - 1) (5251 x^2 - 10142 x + 4903)}$$

Sequence: A168029
Score: 4.84554
Type of gen. func.: ogf

$$\frac{x (x^6 + 57 x^5 + 603 x^4 + 1198 x^3 + 603 x^2 + 57 x + 1)}{(x - 1)^8}$$

Sequence: A168029
Score: 6.09730
Type of gen. func.: lgdogf

$$-\frac{2 x^6 + 177 x^5 + 2697 x^4 + 8402 x^3 + 7212 x^2 + 1605 x + 65}{(x - 1) (x^6 + 57 x^5 + 603 x^4 + 1198 x^3 + 603 x^2 + 57 x + 1)}$$

Sequence: A168043
Score: 13.6723
Type of gen. func.: lgdogf

$$-\frac{x^5 + 5 x^4 - 7 x^3 + 3 x^2 + 2 x - 2}{(x - 1) (x^2 + x - 1) (x^4 - x + 1)}$$

Sequence: A168043
Score: 4.12139
Type of gen. func.: ogf

$$-\frac{x^4 - x + 1}{(x^2 + x - 1)(x - 1)^2}$$

Sequence: A168043
Score: 6.16446
Type of gen. func.: ogf

$$(25 f(x) - 16) (f(x) x^4 - f(x) x^3 + x^4 - 2 f(x) x^2 + 3 f(x) x - f(x) - x + 1)$$

Sequence: A168046
Score: 31.7100
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 - x^8 + 1$$

Sequence: A168049
Score: 10.302
Type of gen. func.: ogf

$$-f(x)^2 - f(x) x - x^2 + 3 f(x) + x - 2$$

Sequence: A168049
Score: 8.29183
Type of gen. func.: lgdogf

$$-\frac{-1 + 4 x - x^2 - 6 x^3 + (-(3 x - 1) (x + 1) (5 x + 1)^2)^{1/2}}{2 (3 x - 1) (x + 1) (x^2 - x + 2)}$$

Sequence: A168050
Score: 15.1989
Type of gen. func.: lgdogf

$$\frac{x^5 - x^4 - x^3 + 5 x^2 + x - 1}{(x - 1) (x + 1) (x^4 - x^3 - 2 x^2 + 1)}$$

Sequence: A168050
Score: 4.80112
Type of gen. func.: ogf

$$-(f(x) - 12) (f(x) x^3 - x^4 - f(x) x^2 + x^3 - f(x) x + 2 x^2 + f(x) - 1)$$

Sequence: A168050
Score: 8.41841
Type of gen. func.: ogf

$$\frac{x^4 - x^3 - 2 x^2 + 1}{(x + 1) (x - 1)^2}$$

Sequence: A168051
Score: 9.40705
Type of gen. func.: ogf

$$-f(x)^2 + f(x) x - x^2 + f(x) - x$$

Sequence: A168052
Score: 13.2063
Type of gen. func.: ogf

$$\frac{x^2 + 1}{(x^2 - x + 1) (x + 1)^2}$$

Sequence: A168052
Score: 16.6646

Type of gen. func.: ogf_with_Euler_transform]

$$[x^5 - x^3 - x^2 + 2 x - 1]$$

Sequence: A168052
Score: 18.1085
Type of gen. func.: lgdogf

$$- \frac{2 x^4 - x^3 + 5 x^2 - 3 x + 1}{(x + 1) (x^2 + 1) (x^2 - x + 1)}$$

Sequence: A168052
Score: 4.58998
Type of gen. func.: ogf

$$\{(n + 4) a(n + 1) - a(n + 2) + a(n + 3) + (n + 3) a(n + 4), a(0) = 1, a(1) = -1,$$
$$a(2) = 2, a(3) = -3\}$$

Sequence: A168052
Score: 6.7816
Type of gen. func.: ogf

$$-(f(x) + 8) (f(x) x^4 + f(x) x^3 + f(x) x - x^2 + f(x) - 1)$$

Sequence: A168053
Score: 12.5193
Type of gen. func.: lgdogf

$$- \frac{3 x^5 + 7 x^4 + 5 x^3 + 7 x^2 + 3 x - 1}{(x - 1) (x^2 + x + 1) (3 x^3 + 2 x^2 - 1)}$$

Sequence: A168053
Score: 5.3645
Type of gen. func.: ogf

4 3 3 2

$$(8 f(x) + 91) (f(x) x - f(x) x + 3 x - f(x) x + 2 x + f(x) - 1)$$

Sequence: A168053
Score: 9.57355
Type of gen. func.: ogf

$$-\frac{3 x^3 + 2 x^2 - 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A168054
Score: 3.51164
Type of gen. func.: ogf

$$\{(32 n + 56) a(n + 1) + 16 a(n + 2) + 8 a(n + 3) + (-4 n - 3) a(n + 4),$$

$$a(0) = 1, a(1) = 2, a(2) = -4, a(3) = -24\}$$

Sequence: A168054
Score: 4.8357
Type of gen. func.: ogf

$$-(8 f(x) + 91) (16 f(x) x^4 - 8 f(x) x^3 + 24 x^3 - 2 f(x) x + 8 x^2 + f(x) - 1)$$

Sequence: A168054
Score: 8.34390
Type of gen. func.: lgdogf

$$-\frac{2 (96 x^5 + 112 x^4 + 40 x^3 + 28 x^2 + 6 x - 1)}{(2 x - 1) (4 x^2 + 2 x + 1) (24 x^3 + 8 x^2 - 1)}$$

Sequence: A168054
Score: 8.80530
Type of gen. func.: ogf

$$-\frac{24 x^3 + 8 x^2 - 1}{(4 x^2 + 2 x + 1) (2 x - 1)^2}$$

Sequence: A168055
Score: 10.0005
Type of gen. func.: ogf

$$-f(x)^2 - 2 f(x) x - 4 x^2 + 4 f(x) + 2 x - 3$$

Sequence: A168055
Score: 7.94979
Type of gen. func.: lgdogf

$$-\frac{-1 + 6 x - 5 x^2 - 12 x^3 + (-(x + 1) (3 x - 1) (1 + 7 x)^2)^{1/2}}{(x + 1) (3 x - 1) (4 x^2 - 2 x + 3)}$$

Sequence: A168056
Score: 13.6406
Type of gen. func.: ogf

$$\frac{x^3 + 2 x^2 + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A168056
Score: 14.4931
Type of gen. func.: lgdogf

$$-\frac{x^5 + 5 x^4 + 3 x^3 + 9 x^2 + 5 x + 1}{(x - 1) (x^2 + x + 1) (x^3 + 2 x^2 + 1)}$$

Sequence: A168056
Score: 5.37356
Type of gen. func.: ogf

$\{(4 n + 13) a(n + 1) + 4 a(n + 2) + 4 a(n + 3) + (-4 n - 9) a(n + 4), a(0) = 1,$

$a(1) = 1, a(2) = 3, a(3) = 5\}$

Sequence: A168056
Score: 7.5781
Type of gen. func.: ogf

$$(8 f(x) + 169) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 2 x^2 + f(x) - 1)$$

Sequence: A168057
Score: 10.3570
Type of gen. func.: ogf

$$\frac{8 x^3 + 8 x^2 + 1}{(4 x^2 + 2 x + 1) (2 x - 1)^2}$$

Sequence: A168057
Score: 4.02095
Type of gen. func.: ogf

$$\{(-32 n - 104) a(n + 1) - 16 a(n + 2) - 8 a(n + 3) + (4 n + 9) a(n + 4),$$

$$a(0) = 1, a(1) = 2, a(2) = 12, a(3) = 40\}$$

Sequence: A168057
Score: 5.79289
Type of gen. func.: ogf

$$(8 f(x) + 169) (16 f(x) x^4 - 8 f(x) x^3 - 8 x^3 - 2 f(x) x - 8 x^2 + f(x) - 1)$$

Sequence: A168057
Score: 8.70250
Type of gen. func.: lgdogf

$$- \frac{2 (32 x^5 + 80 x^4 + 24 x^3 + 36 x^2 + 10 x + 1)}{(2 x - 1) (4 x^2 + 2 x + 1) (8 x^3 + 8 x^2 + 1)}$$

Sequence: A168058
Score: 10.0551
Type of gen. func.: ogf

$$4 x^2 + 2 x - 1 - 2 f(x) x + f(x)^2$$

Sequence: A168058
Score: 7.82866
Type of gen. func.: lgdogf

$$\frac{-1 - 2 x + 12 x^3 + 11 x^2 + (-(x + 1) (3 x - 1) (x - 1)^2)^{1/2}}{(x + 1) (3 x - 1) (4 x^2 + 2 x - 1)}$$

Sequence: A168059
Score: 11.4748
Type of gen. func.: ogf

$$- \frac{x^3 + 6 x^2 + 3 x + 2}{(x - 1)^3 (x + 1)^3}$$

Sequence: A168059
Score: 14.6760
Type of gen. func.: lgdogf

$$- \frac{3 (x^4 + 8 x^3 + 6 x^2 + 8 x + 1)}{(x - 1) (x + 1) (x^3 + 6 x^2 + 3 x + 2)}$$

Sequence: A168059
Score: 6.25122
Type of gen. func.: ogf

$$\{(n^2 + 9 n + 20) a(n + 1) + (-n^2 - 5 n - 6) a(n + 3), a(0) = 2, a(1) = 3,$$
$$a(2) = 12\}$$

Sequence: A168067
Score: 4.54978
Type of gen. func.: ogf

$$-\frac{x\,(127\,x^6+2136\,x^5+7827\,x^4+7792\,x^3+2157\,x^2+120\,x+1)}{(x-1)^9}$$

Sequence: A168071
Score: 11.4171
Type of gen. func.: ogf

$$-\frac{4\,x^3+3\,x^2-1}{(x^2+x+1)\,(x-1)^2}$$

Sequence: A168071
Score: 4.52507
Type of gen. func.: ogf

{(n + 2) a(n + 1) + a(n + 2) + a(n + 3) + (-n - 1) a(n + 4), a(0) = 1, a(1) = 1,

a(2) = -2, a(3) = -5}

Sequence: A168071
Score: 6.18427
Type of gen. func.: ogf

$$-(f(x)+28)\,(f(x)\,x^4-f(x)\,x^3+4\,x^3-f(x)\,x+3\,x^2+f(x)-1)$$

Sequence: A168072
Score: 3.77981
Type of gen. func.: ogf

{(27 n + 54) a(n + 1) + 9 a(n + 2) + 3 a(n + 3) + (-n - 1) a(n + 4), a(0) = 1,

a(1) = 3, a(2) = -18, a(3) = -135}

Sequence: A168072
Score: 5.11031
Type of gen. func.: ogf

$$-(f(x) + 28) (81 f(x) x^4 - 27 f(x) x^3 + 108 x^3 - 3 f(x) x + 27 x^2 + f(x) - 1)$$

Sequence: A168072
Score: 9.12554
Type of gen. func.: ogf

$$-\frac{108 x^3 + 27 x^2 - 1}{(9 x^2 + 3 x + 1) (3 x - 1)^2}$$

Sequence: A168073
Score: 11.7421
Type of gen. func.: ogf

$$-f(x)^2 - 3 f(x) x - 9 x^2 + 5 f(x) + 3 x - 4$$

Sequence: A168073
Score: 3.85649
Type of gen. func.: ogf

$$\{(27 n^2 - 27 n) a(n) + (21 n^2 + 15 n) a(n + 1) + (-7 n^2 - 11 n + 6) a(n + 2) + (-n^2 - 5 n - 6) a(n + 3), a(0) = 1, a(1) = 0, a(2) = 3\}$$

Sequence: A168073
Score: 8.72276
Type of gen. func.: lgdogf

$$-\frac{3 (-1 + 8 x - 9 x^2 - 18 x^3 + (-(3 x - 1) (x + 1) (1 + 9 x)^2)^{1/2})}{2 (3 x - 1) (x + 1) (9 x^2 - 3 x + 4)}$$

Sequence: A168074
Score: 11.8421
Type of gen. func.: ogf

$$\frac{2 x^3 + 3 x^2 + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A168074
Score: 4.69351
Type of gen. func.: ogf

$\{(n + 3) a(n + 1) + a(n + 2) + a(n + 3) + (-n - 2) a(n + 4), a(0) = 1, a(1) = 1,$
$a(2) = 4, a(3) = 7\}$

Sequence: A168074
Score: 6.63566
Type of gen. func.: ogf

$$(f(x) + 42) (f(x) x^4 - f(x) x^3 - 2 x^3 - f(x) x - 3 x^2 + f(x) - 1)$$

Sequence: A168075
Score: 10.1231
Type of gen. func.: ogf

$$- \frac{54 x^3 - 27 x^2 - 1}{(9 x^2 - 3 x + 1) (3 x + 1)^2}$$

Sequence: A168075
Score: 4.13312
Type of gen. func.: ogf

$\{(27 n + 81) a(n + 1) - 9 a(n + 2) + 3 a(n + 3) + (n + 2) a(n + 4), a(0) = 1,$
$a(1) = -3, a(2) = 36, a(3) = -189\}$

Sequence: A168075
Score: 5.63303
Type of gen. func.: ogf

$$-(f(x) + 42) (81 f(x) x^4 + 27 f(x) x^3 + 54 x^3 + 3 f(x) x - 27 x^2 + f(x) - 1)$$

Sequence: A168076
Score: 10.1528
Type of gen. func.: ogf

$$f(x)^2 - 3 f(x) x + 9 x^2 + f(x) + 3 x - 2$$

Sequence: A168076
Score: 11.5950
Type of gen. func.: lgdogf

$$- \frac{3 (-6 x^2 - 7 x - 1 + (-(3 x - 1) (x + 1))^{1/2})}{2 (x + 1) (2 + 3 x) (3 x - 1)}$$

Sequence: A168077
Score: 10.0921
Type of gen. func.: lgdogf

$$- \frac{2 x^5 + 3 x^4 + 28 x^3 + 8 x^2 + 18 x + 1}{(x - 1) (x + 1) (x^4 + x^3 + 6 x^2 + x + 1)}$$

Sequence: A168077
Score: 6.00227
Type of gen. func.: ogf

$\{(n^2 + 6 n + 9) a(n + 1) + (-n^2 - 2 n - 1) a(n + 3), a(0) = 0, a(1) = 1,$

$a(2) = 1\}$

Sequence: A168077
Score: 9.25055
Type of gen. func.: ogf

$$- \frac{x (x^4 + x^3 + 6 x^2 + x + 1)}{(x - 1)^3 (x + 1)^3}$$

Sequence: A168082
Score: 6.77453
Type of gen. func.: ogf

$$-\frac{x^{10}}{x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x-1}$$

Sequence: A168082
Score: 6.91304
Type of gen. func.: lgdogf

$$-\frac{11x^{10}+10x^{9}+9x^{8}+8x^{7}+7x^{6}+6x^{5}+5x^{4}+4x^{3}+3x^{2}+2x+1}{x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x-1}$$

Sequence: A168083
Score: 6.29852
Type of gen. func.: lgdogf

$$-(12x^{11}+11x^{10}+10x^{9}+9x^{8}+8x^{7}+7x^{6}+6x^{5}+5x^{4}+4x^{3}+3x^{2}+2x+1) \Big/ (x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x-1)$$

Sequence: A168083
Score: 6.34120
Type of gen. func.: ogf

$$-\frac{x^{11}}{x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x-1}$$

Sequence: A168084
Score: 5.96738
Type of gen. func.: ogf

$$-\frac{x^{12}}{x^{13}+x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x-1}$$

Sequence: A168090
Score: 10.1885
Type of gen. func.: ogf

$$\{a(n+3)-2\,a(n),\ a(0)=1,\ a(1)=0,\ a(2)=2\}$$

Sequence: A168090
Score: 10.7625
Type of gen. func.: ogf

$$(3\,f(x)-7)\,(2\,f(x)\,x^{3}+2\,x^{2}-f(x)+1)$$

Sequence: A168090
Score: 16.9808
Type of gen. func.: ogf

$$-\frac{2\,x^{2}+1}{2\,x^{3}-1}$$

Sequence: A168090
Score: 21.7048
Type of gen. func.: lgdogf

$$-\frac{2\,x\,(2\,x^{3}+3\,x+2)}{(2\,x^{2}+1)\,(2\,x^{3}-1)}$$

Sequence: A168092
Score: 3.89026
Type of gen. func.: ogf

$$\{a(n+4)-a(n+3),\ a(0)=2,\ a(1)=3,\ a(2)=4,\ a(3)=5\}$$

Sequence: A168092
Score: 4.19623
Type of gen. func.: ogf

$$-(26 f(x) - 29) (x^3 + f(x) x + x^2 - f(x) + x + 2)$$

Sequence: A168092
Score: 7.04651
Type of gen. func.: ogf

$$-\frac{x^3 + x^2 + x + 2}{x - 1}$$

Sequence: A168092
Score: 8.73327
Type of gen. func.: lgdogf

$$\frac{2 x^3 - 2 x^2 - 2 x - 3}{(x - 1) (x^3 + x^2 + x + 2)}$$

Sequence: A168093
Score: 13.4994
Type of gen. func.: ogf

$$-\frac{x^4 + x^3 + x^2 + x + 3}{x - 1}$$

Sequence: A168093
Score: 7.40209
Type of gen. func.: lgdogf

$$\frac{3 x^4 - 2 x^3 - 2 x^2 - 2 x - 4}{(x - 1) (x^4 + x^3 + x^2 + x + 3)}$$

Sequence: A168093
Score: 8.95071
Type of gen. func.: ogf

$$(f(x) + 38) (x^4 + x^3 + f(x) x + x^2 - f(x) + x + 3)$$

Sequence: A168094
Score: 11.9343
Type of gen. func.: ogf

$$-\frac{x^5 + x^4 + x^3 + x^2 + x + 4}{x - 1}$$

Sequence: A168094
Score: 6.34902
Type of gen. func.: lgdogf

$$\frac{4 x^5 - 2 x^4 - 2 x^3 - 2 x^2 - 2 x - 5}{(x - 1) (x^5 + x^4 + x^3 + x^2 + x + 4)}$$

Sequence: A168095
Score: 11.2726
Type of gen. func.: ogf

$$-\frac{x^6 + x^5 + x^4 + x^3 + x^2 + x + 5}{x - 1}$$

Sequence: A168095
Score: 5.53324
Type of gen. func.: lgdogf

$$\frac{5 x^6 - 2 x^5 - 2 x^4 - 2 x^3 - 2 x^2 - 2 x - 6}{(x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 5)}$$

Sequence: A168096
Score: 5.75789
Type of gen. func.: lgdogf

$$\frac{6 x^7 - 2 x^6 - 2 x^5 - 2 x^4 - 2 x^3 - 2 x^2 - 2 x - 7}{(x - 1) (x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 6)}$$

Sequence: A168096
Score: 7.73179
Type of gen. func.: ogf

$$- \frac{x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 6}{x - 1}$$

Sequence: A168097
Score: 7.10977
Type of gen. func.: ogf

$$- \frac{x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 7}{x - 1}$$

Sequence: A168098
Score: 7.03542
Type of gen. func.: ogf

$$- \frac{x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 8}{x - 1}$$

Sequence: A168099
Score: 8.61993
Type of gen. func.: ogf

$$- \frac{x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 9}{x - 1}$$

Sequence: A168100
Score: 7.93735
Type of gen. func.: ogf

$$-\frac{x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+10}{x-1}$$

Sequence: A168101
Score: 12.1991
Type of gen. func.: lgdogf

$$\frac{x^{3}-3x^{2}-2x-6}{(x-1)(x^{3}+x^{2}+3)}$$

Sequence: A168101
Score: 16.5809
Type of gen. func.: ogf

$$\frac{x^{3}+x^{2}+3}{(x-1)^{2}}$$

Sequence: A168101
Score: 8.14753
Type of gen. func.: ogf

$$\{a(n+4)-2a(n+3)+a(n+2),\ a(0)=3,\ a(1)=6,\ a(2)=10,\ a(3)=15\}$$

Sequence: A168101
Score: 9.35756
Type of gen. func.: ogf

$$-(f(x)-3)(f(x)x^{2}-x^{3}-2f(x)x-x^{2}+f(x)-3)$$

Sequence: A168102
Score: 12.0220

Type of gen. func.: ogf

$$\frac{x^4 + x^3 + x^2 - 2x + 6}{(x - 1)^2}$$

Sequence: A168102
Score: 7.27647
Type of gen. func.: ogf

$$-(4 f(x) - 67) (-x^4 + f(x) x^2 - x^3 - 2 f(x) x - x^2 + f(x) + 2 x - 6)$$

Sequence: A168102
Score: 8.04197
Type of gen. func.: lgdogf

$$\frac{2 x^4 - 3 x^3 - 3 x^2 - 10}{(x - 1) (x^4 + x^3 + x^2 - 2 x + 6)}$$

Sequence: A168103
Score: 11.8667
Type of gen. func.: ogf

$$\frac{(x + 2) (x^4 - x^3 + 3 x^2 - 5 x + 5)}{(x - 1)^2}$$

Sequence: A168103
Score: 7.65304
Type of gen. func.: lgdogf

$$\frac{3 (x^5 - x^4 - x^3 - x^2 + x - 5)}{(x + 2) (x - 1) (x^4 - x^3 + 3 x^2 - 5 x + 5)}$$

Sequence: A168104

Score: 10.6232
Type of gen. func.: ogf

$$\frac{x^6 + x^5 + x^4 + x^3 + x^2 - 9 x + 15}{(x - 1)^2}$$

Sequence: A168104
Score: 6.35478
Type of gen. func.: lgdogf

$$\frac{4 x^6 - 3 x^5 - 3 x^4 - 3 x^3 - 3 x^2 + 7 x - 21}{(x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 - 9 x + 15)}$$

Sequence: A168105
Score: 5.76917
Type of gen. func.: lgdogf

$$\frac{5 x^7 - 3 x^6 - 3 x^5 - 3 x^4 - 3 x^3 - 3 x^2 + 12 x - 28}{(x - 1) (x^7 + x^6 + x^5 + x^4 + x^3 + x^2 - 14 x + 21)}$$

Sequence: A168105
Score: 9.70232
Type of gen. func.: ogf

$$\frac{x^7 + x^6 + x^5 + x^4 + x^3 + x^2 - 14 x + 21}{(x - 1)^2}$$

Sequence: A168106
Score: 5.24854
Type of gen. func.: lgdogf

$$\frac{3 (2 x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 + 6 x - 12)}{(x - 1) (x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 - 20 x + 28)}$$

Sequence: A168106
Score: 8.98816
Type of gen. func.: ogf

$$\frac{x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} - 20 x + 28}{(x - 1)^{2}}$$

Sequence: A168107
Score: 8.37695
Type of gen. func.: ogf

$$\frac{x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} - 27 x + 36}{(x - 1)^{2}}$$

Sequence: A168108
Score: 7.74918
Type of gen. func.: ogf

$$\frac{x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} - 35 x + 45}{(x - 1)^{2}}$$

Sequence: A168109
Score: 7.20819
Type of gen. func.: ogf

$$\frac{x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} - 44 x + 55}{(x - 1)^{2}}$$

Sequence: A168116
Score: 3.34858
Type of gen. func.: ogf

$$x (x^{8} + 247 x^{7} + 7318 x^{6} + 44089 x^{5} + 78130 x^{4} + 44089 x^{3} + 7318 x^{2} + 247 x + 1$$

$$\left.\right) \bigg/ (x-1)^{10}$$

Sequence: A168122
Score: 5.21451
Type of gen. func.: ogf

$$-\frac{x\,(x+1)\,(x^{4}+26\,x^{3}+126\,x^{2}+26\,x+1)}{(x-1)^{7}}$$

Sequence: A168122
Score: 8.41380
Type of gen. func.: lgdogf

$$-\frac{2\,(x^{5}+43\,x^{4}+358\,x^{3}+608\,x^{2}+233\,x+17)}{(x-1)\,(x+1)\,(x^{4}+26\,x^{3}+126\,x^{2}+26\,x+1)}$$

Sequence: A168123
Score: 4.50193
Type of gen. func.: ogf

$$\frac{x\,(62\,x^{5}+593\,x^{4}+1208\,x^{3}+598\,x^{2}+58\,x+1)}{(x-1)^{8}}$$

Sequence: A168123
Score: 6.81849
Type of gen. func.: lgdogf

$$-\frac{6\,(31\,x^{5}+447\,x^{4}+1402\,x^{3}+1202\,x^{2}+267\,x+11)}{(x-1)\,(62\,x^{5}+593\,x^{4}+1208\,x^{3}+598\,x^{2}+58\,x+1)}$$

Sequence: A168124
Score: 4.07361
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^6 + 120 x^5 + 2031 x^4 + 5776 x^3 + 2031 x^2 + 120 x + 1)}{(x - 1)^9}$$

Sequence: A168125
Score: 3.73983
Type of gen. func.: ogf

$$x (254 x^7 + 7297 x^6 + 44124 x^5 + 78095 x^4 + 44110 x^3 + 7311 x^2 + 248 x + 1) \Big/ (x - 1)^{10}$$

Sequence: A168150
Score: 13.4953
Type of gen. func.: ogf

$$\frac{x (3 x^2 + 3 x + 1)}{(2 x + 1)^2}$$

Sequence: A168150
Score: 6.80736
Type of gen. func.: ogf

$$\{-a(n + 4) - 4 a(n + 3) - 4 a(n + 2), a(0) = 0, a(1) = 1, a(2) = -1, a(3) = 3\}$$

Sequence: A168150
Score: 7.93022
Type of gen. func.: ogf

$$(f(x) + 1) (4 f(x) x^2 - 3 x^3 + 4 f(x) x - 3 x^2 + f(x) - x)$$

Sequence: A168175
Score: 18.6764
Type of gen. func.: ogf

$$\frac{1}{7 x^{2} - 4 x + 1}$$

Sequence: A168175
Score: 25.7076
Type of gen. func.: lgdogf

$$- \frac{2 (-2 + 7 x)}{7 x^{2} - 4 x + 1}$$

Sequence: A168175
Score: 7.51612
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 7 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A168175
Score: 7.60891
Type of gen. func.: ogf

$$(f(x) + 7) (7 f(x) x^{2} - 4 f(x) x + f(x) - 1)$$

Sequence: A168178
Score: 10.9016
Type of gen. func.: lgdogf

$$- \frac{2 (x^{4} + 23 x^{3} + 81 x^{2} + 65 x + 10)}{(x - 1) (x^{4} + 14 x^{3} + 30 x^{2} + 14 x + 1)}$$

Sequence: A168178
Score: 6.28018
Type of gen. func.: ogf

$$\frac{x (x^{4} + 14 x^{3} + 30 x^{2} + 14 x + 1)}{(x - 1)^{6}}$$

Sequence: A168179
Score: 4.26342
Type of gen. func.: ogf

$$\frac{x (x^6 + 60 x^5 + 591 x^4 + 1216 x^3 + 591 x^2 + 60 x + 1)}{(x - 1)^8}$$

Sequence: A168179
Score: 6.21686
Type of gen. func.: lgdogf

$$-\frac{2 (x^6 + 93 x^5 + 1332 x^4 + 4222 x^3 + 3597 x^2 + 801 x + 34)}{(x - 1) (x^6 + 60 x^5 + 591 x^4 + 1216 x^3 + 591 x^2 + 60 x + 1)}$$

Sequence: A168180
Score: 3.71064
Type of gen. func.: ogf

$$-\frac{x (124 x^6 + 2151 x^5 + 7797 x^4 + 7822 x^3 + 2142 x^2 + 123 x + 1)}{(x - 1)^9}$$

Sequence: A168181
Score: 10.8957
Type of gen. func.: ogf

$$-\frac{x (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A168181
Score: 31.8701
Type of gen. func.: ogf_with_Euler_transform]

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$$x - x + 1$$

Sequence: A168181
Score: 7.36877
Type of gen. func.: lgdogf

$$-(2x^{13} + 3x^{12} + 4x^{11} + 5x^{10} + 6x^{9} + 7x^{8} + 8x^{7} + 6x^{5} + 5x^{4} + 4x^{3} + 3x^{2} + 2x + 1) / ((x - 1)(x + 1)(x^{2} + 1)(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)(x^{4} + 1))$$

Sequence: A168182
Score: 10.0586
Type of gen. func.: ogf

$$-\frac{x (x + 1)(x^{2} + 1)(x^{4} + 1)}{(x - 1)(x^{2} + x + 1)(x^{6} + x^{3} + 1)}$$

Sequence: A168182
Score: 32.1904
Type of gen. func.: ogf_with_Euler_transform]

$$x^{8} - x^{7} + 1$$

Sequence: A168183
Score: 31.0147
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{8} + x^{7} + 2$$

Sequence: A168183
Score: 8.27869
Type of gen. func.: ogf

$$(x^{2} + x + 1)(x^{6} + x^{3} + 1)$$

$$\frac{}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A168184
Score: 32.3506
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 - x^8 + 1$$

Sequence: A168184
Score: 9.21667
Type of gen. func.: ogf

$$- \frac{x (x^2 + x + 1) (x^6 + x^3 + 1)}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A168185
Score: 30.5631
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} - x^{10} + 1$$

Sequence: A168185
Score: 7.91173
Type of gen. func.: ogf

$$- \frac{x (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x^4 - x^2 + 1)}$$

Sequence: A168186
Score: 28.8762
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{11} + x^{10} + 2$$

Sequence: A168186
Score: 6.55548
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A168187
Score: 5.09170
Type of gen. func.: ogf

$$x (x^8 + 250 x^7 + 7300 x^6 + 44134 x^5 + 78070 x^4 + 44134 x^3 + 7300 x^2 + 250 x + 1) / (x - 1)^{10}$$

Sequence: A168192
Score: 5.21451
Type of gen. func.: ogf

$$- \frac{x (x + 1) (x^2 + 4 x + 1) (x^2 + 28 x + 1)}{(x - 1)^7}$$

Sequence: A168192
Score: 8.74162
Type of gen. func.: lgdogf

$$- \frac{2 (x^5 + 52 x^4 + 358 x^3 + 584 x^2 + 245 x + 20)}{(x - 1) (x + 1) (x^2 + 4 x + 1) (x^2 + 28 x + 1)}$$

Sequence: A168193
Score: 11.749
Type of gen. func.: ogf

$$f(x) x^3 - 2 f(x) x - 2 x^2 + f(x) - 2 x$$

Sequence: A168193
Score: 16.0649
Type of gen. func.: ogf

$$\frac{2 x (x + 1)}{(x - 1) (x^2 + x - 1)}$$

Sequence: A168193
Score: 19.9064
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 3 x^2 - 3}{(x - 1) (x + 1) (x^2 + x - 1)}$$

Sequence: A168193
Score: 8.46431
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 0, a(1) = 2, a(2) = 6\}$$

Sequence: A168194
Score: 4.50193
Type of gen. func.: ogf

$$\frac{x (56 x^5 + 605 x^4 + 1208 x^3 + 586 x^2 + 64 x + 1)}{(x - 1)^8}$$

Sequence: A168194
Score: 6.96834
Type of gen. func.: lgdogf

$$-\frac{12 (14 x^5 + 225 x^4 + 705 x^3 + 595 x^2 + 135 x + 6)}{(x - 1) (56 x^5 + 605 x^4 + 1208 x^3 + 586 x^2 + 64 x + 1)}$$

Sequence: A168195
Score: 13.9517
Type of gen. func.: ogf

$$\frac{2 x^2 - 5 x + 5}{(x + 1) (x - 1)^2}$$

Sequence: A168195
Score: 19.9608
Type of gen. func.: lgdogf

$$- \frac{2 x (x^2 - 4 x + 7)}{(x - 1) (x + 1) (2 x^2 - 5 x + 5)}$$

Sequence: A168195
Score: 7.21233
Type of gen. func.: ogf

$$-(44 f(x) + 123) (f(x) x^3 - f(x) x^2 - f(x) x - 2 x^2 + f(x) + 5 x - 5)$$

Sequence: A168195
Score: 7.66717
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 5, a(1) = 0, a(2) = 7\}$$

Sequence: A168197
Score: 15.4508
Type of gen. func.: ogf

$$- \frac{x (4 x - 7)}{(x + 1) (x - 1)^2}$$

Sequence: A168197
Score: 24.1109
Type of gen. func.: lgdogf

$$-\frac{8 x^2 - 17 x - 3}{(x - 1) (4 x - 7) (x + 1)}$$

Sequence: A168197
Score: 7.46351
Type of gen. func.: ogf

$$-(1941 f(x) + 13481) (f(x) x^3 - f(x) x^2 - f(x) x + 4 x^2 + f(x) - 7 x)$$

Sequence: A168197
Score: 7.93419
Type of gen. func.: ogf

{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 7, a(2) = 3}

Sequence: A168198
Score: 14.8349
Type of gen. func.: ogf

$$-\frac{3 x^2 - 5 x - 1}{(x + 1) (x - 1)^2}$$

Sequence: A168198
Score: 18.8923
Type of gen. func.: lgdogf

$$-\frac{3 x^3 - 7 x^2 - 2 x - 6}{(x - 1) (x + 1) (3 x^2 - 5 x - 1)}$$

Sequence: A168198
Score: 7.54108
Type of gen. func.: ogf

$$-(195 f(x) + 1268) (f(x) x^3 - f(x) x^2 - f(x) x + 3 x^2 + f(x) - 5 x - 1)$$

Sequence: A168198
Score: 8.07973
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 6, a(2) = 4\}$$

Sequence: A168199
Score: 14.8349
Type of gen. func.: ogf

$$-\frac{(2 x + 1) (x - 2)}{(x + 1) (x - 1)^2}$$

Sequence: A168199
Score: 7.66889
Type of gen. func.: ogf

$$-(78 f(x) + 719) (f(x) x^3 - f(x) x^2 - f(x) x + 2 x^2 + f(x) - 3 x - 2)$$

Sequence: A168199
Score: 8.07973
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 5, a(2) = 5\}$$

Sequence: A168200
Score: 17.0742
Type of gen. func.: ogf

$$-\frac{x - 4}{(x + 1) (x - 1)^2}$$

Sequence: A168200

Score: 26.1158
Type of gen. func.: lgdogf

$$-\frac{2 x^2 - 11 x - 3}{(x - 1) (x - 4) (x + 1)}$$

Sequence: A168200
Score: 8.07973
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 4, a(1) = 3, a(2) = 7\}$$

Sequence: A168200
Score: 8.37898
Type of gen. func.: ogf

$$(393 f(x) + 2117) (f(x) x^3 - f(x) x^2 - f(x) x + f(x) + x - 4)$$

Sequence: A168201
Score: 18.1207
Type of gen. func.: ogf

$$1/((x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)$$

$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A168201
Score: 32.6893
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^6$$

Sequence: A168202
Score: 14.8349
Type of gen. func.: ogf

$$\frac{x^2 - 3 x + 5}{\quad}$$

$$(x + 1) (x - 1)^2$$

Sequence: A168202
Score: 20.6497
Type of gen. func.: lgdogf

$$- \frac{x^3 - 5 x^2 + 14 x + 2}{(x - 1) (x + 1) (x^2 - 3 x + 5)}$$

Sequence: A168202
Score: 7.73444
Type of gen. func.: ogf

$$(1147 f(x) + 8529) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) + 3 x - 5)$$

Sequence: A168202
Score: 8.07973
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 5, a(1) = 2, a(2) = 8\}$$

Sequence: A168203
Score: 15.7296
Type of gen. func.: ogf

$$- \frac{x (5 x - 9)}{(x + 1) (x - 1)^2}$$

Sequence: A168203
Score: 23.2636
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^2 - 11 x - 2)}{(x - 1) (5 x - 9) (x + 1)}$$

Sequence: A168203
Score: 7.53434
Type of gen. func.: ogf

$$-(10912 f(x) + 96253) (f(x) x^3 - f(x) x^2 - f(x) x + 5 x^2 + f(x) - 9 x)$$

Sequence: A168203
Score: 8.07734
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 9, a(2) = 4\}$$

Sequence: A168204
Score: 14.7668
Type of gen. func.: ogf

$$-\frac{4 x^2 - 7 x - 1}{(x + 1) (x - 1)^2}$$

Sequence: A168204
Score: 18.8089
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^3 - 5 x^2 - x - 4)}{(x - 1) (x + 1) (4 x^2 - 7 x - 1)}$$

Sequence: A168204
Score: 7.63369
Type of gen. func.: ogf

$$(5536 f(x) + 46365) (f(x) x^3 - f(x) x^2 - f(x) x + 4 x^2 + f(x) - 7 x - 1)$$

Sequence: A168204
Score: 8.04263
Type of gen. func.: ogf

$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 8, a(2) = 5\}$

Sequence: A168205
Score: 14.4393
Type of gen. func.: ogf

$$-\frac{(3 x + 1) (x - 2)}{(x + 1) (x - 1)^2}$$

Sequence: A168205
Score: 18.3851
Type of gen. func.: lgdogf

$$-\frac{3 x^3 - 7 x^2 - 5 x - 7}{(x - 1) (x - 2) (3 x + 1) (x + 1)}$$

Sequence: A168205
Score: 7.46437
Type of gen. func.: ogf

$$(1952 f(x) + 15653) (f(x) x^3 - f(x) x^2 - f(x) x + 3 x^2 + f(x) - 5 x - 2)$$

Sequence: A168205
Score: 7.86425
Type of gen. func.: ogf

$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 7, a(2) = 6\}$

Sequence: A168206
Score: 14.9431
Type of gen. func.: ogf

$$-\frac{x (6 x - 11)}{(x + 1) (x - 1)^2}$$

Sequence: A168206
Score: 22.4820
Type of gen. func.: lgdogf

$$-\frac{12 x^2 - 27 x - 5}{(6 x - 11) (x - 1) (x + 1)}$$

Sequence: A168206
Score: 7.1628
Type of gen. func.: ogf

$$-(12385 f(x) + 132578) (f(x) x^3 - f(x) x^2 - f(x) x + 6 x^2 + f(x) - 11 x)$$

Sequence: A168206
Score: 7.73837
Type of gen. func.: ogf

{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 11, a(2) = 5}

Sequence: A168207
Score: 14.0455
Type of gen. func.: ogf

$$-\frac{9 x^2 - 12 x - 2}{(x + 1) (x - 1)^2}$$

Sequence: A168207
Score: 18.5721
Type of gen. func.: lgdogf

$$-\frac{9 x^3 - 15 x^2 - 14}{(x - 1) (x + 1) (9 x^2 - 12 x - 2)}$$

Sequence: A168207
Score: 7.31786
Type of gen. func.: ogf

$$(5715 f(x) + 99457) (f(x) x^3 - f(x) x^2 - f(x) x + 9 x^2 + f(x) - 12 x - 2)$$

Sequence: A168207
Score: 7.70641
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 14, a(2) = 7\}$$

Sequence: A168209
Score: 14.1405
Type of gen. func.: ogf

$$- \frac{3 x^2 - 5 x - 3}{(x + 1) (x - 1)^2}$$

Sequence: A168209
Score: 18.0013
Type of gen. func.: lgdogf

$$- \frac{3 x^3 - 7 x^2 - 8 x - 8}{(x - 1) (x + 1) (3 x^2 - 5 x - 3)}$$

Sequence: A168209
Score: 7.43596
Type of gen. func.: ogf

$$-(5 f(x) + 49) (f(x) x^3 - f(x) x^2 - f(x) x + 3 x^2 + f(x) - 5 x - 3)$$

Sequence: A168209
Score: 7.70152
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 3, a(1) = 8, a(2) = 8\}$$

Sequence: A168210
Score: 14.6832
Type of gen. func.: ogf

$$-\frac{x (7 x - 13)}{(x + 1) (x - 1)^2}$$

Sequence: A168210
Score: 21.5215
Type of gen. func.: lgdogf

$$-\frac{2 (7 x^2 - 16 x - 3)}{(x - 1) (7 x - 13) (x + 1)}$$

Sequence: A168210
Score: 7.03821
Type of gen. func.: ogf

$$-(48876 f(x) + 615487) (f(x) x^3 - f(x) x^2 - f(x) x + 7 x^2 + f(x) - 13 x)$$

Sequence: A168210
Score: 7.60378
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 13, a(2) = 6\}$$

Sequence: A168211
Score: 14.6229
Type of gen. func.: ogf

$$-\frac{x (8 x - 15)}{(x + 1) (x - 1)^2}$$

Sequence: A168211
Score: 21.9973
Type of gen. func.: lgdogf

$$-\frac{16 x^2 - 37 x - 7}{(8 x - 15) (x - 1) (x + 1)}$$

Sequence: A168211
Score: 7.00932
Type of gen. func.: ogf

$$-(43673 f(x) + 632531) (f(x) x^3 - f(x) x^2 - f(x) x + 8 x^2 + f(x) - 15 x)$$

Sequence: A168211
Score: 7.57257
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 15, a(2) = 7\}$$

Sequence: A168212
Score: 14.1043
Type of gen. func.: ogf

$$-\frac{4 x^2 - 7 x - 4}{(x + 1) (x - 1)^2}$$

Sequence: A168212
Score: 16.8810
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 10 x^2 - 11 x - 11}{(x - 1) (x + 1) (4 x^2 - 7 x - 4)}$$

Sequence: A168212
Score: 7.4169
Type of gen. func.: ogf

$$-(7 f(x) + 93) (f(x) x^3 - f(x) x^2 - f(x) x + 4 x^2 + f(x) - 7 x - 4)$$

Sequence: A168212
Score: 7.54703
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 4, a(1) = 11, a(2) = 11\}$$

Sequence: A168213
Score: 13.8524
Type of gen. func.: ogf

$$-\frac{5 x^2 - 9 x - 5}{(x + 1) (x - 1)^2}$$

Sequence: A168213
Score: 16.5765
Type of gen. func.: lgdogf

$$-\frac{5 x^3 - 13 x^2 - 14 x - 14}{(x - 1) (x + 1) (5 x^2 - 9 x - 5)}$$

Sequence: A168213
Score: 6.8699
Type of gen. func.: ogf

$$-(6327 f(x) + 137905) (f(x) x^3 - f(x) x^2 - f(x) x + 5 x^2 + f(x) - 9 x - 5)$$

Sequence: A168213
Score: 7.41225
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 5, a(1) = 14, a(2) = 14\}$$

Sequence: A168223
Score: 10.5742
Type of gen. func.: lgdogf

$$-\frac{8x^7-3x^6+9x^5+3x^4+6x^3+3x^2+x-3}{(x-1)(x+1)(x^2+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A168223
Score: 17.0239
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5+x^3+3x^2+2x-3$$

Sequence: A168223
Score: 6.36763
Type of gen. func.: ogf

$$-\frac{x^4(x^2-x+1)}{(x^2+1)(x-1)^2(x^2+x+1)^2(x+1)^2}$$

Sequence: A168224
Score: 11.7299
Type of gen. func.: ogf

$$\frac{x(x^3+4x^2+2x+5)}{(x^2+x+1)(x-1)^2}$$

Sequence: A168224
Score: 12.5978
Type of gen. func.: lgdogf

$$-\frac{x^5+9x^4+11x^3+29x^2+15x+7}{(x-1)(x^2+x+1)(x^3+4x^2+2x+5)}$$

Sequence: A168224
Score: 5.28570

Type of gen. func.: ogf

$$\{(12 n + 23) a(n) + 12 a(n + 1) + 12 a(n + 2) + (-12 n - 11) a(n + 3), a(0) = 0, a(1) = 5, a(2) = 7, a(3) = 11\}$$

Sequence: A168224
Score: 6.63785
Type of gen. func.: ogf

$$(2088 f(x) + 6935) (f(x) x^4 - f(x) x^3 - x^4 - 4 x^3 - f(x) x - 2 x^2 + f(x) - 5 x)$$

Sequence: A168230
Score: 15.9823
Type of gen. func.: ogf

$$- \frac{x (3 x - 4)}{(x + 1) (x - 1)^2}$$

Sequence: A168230
Score: 25.6582
Type of gen. func.: lgdogf

$$- \frac{6 x^2 - 9 x - 1}{(x - 1) (3 x - 4) (x + 1)}$$

Sequence: A168230
Score: 8.13384
Type of gen. func.: ogf

$$-(f(x) + 16) (f(x) x^3 - f(x) x^2 - f(x) x + 3 x^2 + f(x) - 4 x)$$

Sequence: A168230
Score: 8.20712
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 4, a(2) = 1\}$$

Sequence: A168232
Score: 14.3953
Type of gen. func.: ogf

$$\frac{2\,(x^2 - x + 1)}{(x + 1)\,(x - 1)^2}$$

Sequence: A168232
Score: 25.4507
Type of gen. func.: lgdogf

$$-\frac{x\,(x^2 - x + 4)}{(x - 1)\,(x + 1)\,(x^2 - x + 1)}$$

Sequence: A168232
Score: 30.1790
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^2 + 2\,x$$

Sequence: A168232
Score: 7.50523
Type of gen. func.: ogf

$$-(25\,f(x) + 78)\,(f(x)\,x^3 - f(x)\,x^2 - f(x)\,x - 2\,x^2 + f(x) + 2\,x - 2)$$

Sequence: A168232
Score: 7.91092
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n),\ a(0) = 2,\ a(1) = 0,\ a(2) = 4\}$$

Sequence: A168233
Score: 14.8349
Type of gen. func.: ogf

$$-\frac{x^2 - 3x - 1}{(x + 1)(x - 1)^2}$$

Sequence: A168233
Score: 20.6497
Type of gen. func.: lgdogf

$$-\frac{x^3 - 5x^2 - 4x - 4}{(x - 1)(x + 1)(x^2 - 3x - 1)}$$

Sequence: A168233
Score: 7.80112
Type of gen. func.: ogf

$$-(3 f(x) + 13) (f(x) x^3 - f(x) x^2 - f(x) x + x^2 + f(x) - 3 x - 1)$$

Sequence: A168233
Score: 8.07973
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 4, a(2) = 4\}$$

Sequence: A168235
Score: 14.0928
Type of gen. func.: ogf

$$-\frac{x^2 + 13}{(x - 1)^3}$$

Sequence: A168235
Score: 28.6517
Type of gen. func.: lgdogf

2

$$-\frac{x + 2\,x + 39}{(x - 1)\,(x^2 + 13)}$$

Sequence: A168235
Score: 6.9862
Type of gen. func.: ogf

$$(45423\,f(x) - 490369)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + x^2 - f(x) + 13)$$

Sequence: A168235
Score: 7.10770
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 13,\ a(1) = 39,\ a(2) = 79\}$$

Sequence: A168236
Score: 15.7269
Type of gen. func.: ogf

$$\frac{x^2 + 2}{(x + 1)\,(x - 1)^2}$$

Sequence: A168236
Score: 24.4289
Type of gen. func.: lgdogf

$$-\frac{x^3 + x^2 + 8\,x + 2}{(x - 1)\,(x + 1)\,(x^2 + 2)}$$

Sequence: A168236
Score: 8.00388
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n),\ a(0) = 2,\ a(1) = 2,\ a(2) = 5\}$$

Sequence: A168236
Score: 8.22415
Type of gen. func.: ogf

$$(15 f(x) + 92) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - 2)$$

Sequence: A168237
Score: 11.246
Type of gen. func.: ogf

$$f(x) x^3 - f(x) x^2 - f(x) x - 3 x^2 + f(x)$$

Sequence: A168237
Score: 20.0820
Type of gen. func.: ogf

$$\frac{3 x}{(x + 1) (x - 1)^2}$$

Sequence: A168237
Score: 42.8896
Type of gen. func.: ogf_with_Euler_transform]

$$[x + 1]$$

Sequence: A168237
Score: 44.5450
Type of gen. func.: lgdogf

$$- \frac{3 x + 1}{(x - 1) (x + 1)}$$

Sequence: A168237
Score: 8.14133
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 3, a(2) = 3\}$$

Sequence: A168240
Score: 13.1421
Type of gen. func.: ogf

$$-\frac{x^2 + 4 x + 21}{(x - 1)^3}$$

Sequence: A168240
Score: 24.2382
Type of gen. func.: lgdogf

$$-\frac{x^2 + 10 x + 67}{(x - 1) (x^2 + 4 x + 21)}$$

Sequence: A168240
Score: 6.67879
Type of gen. func.: ogf

$$(72839 f(x) - 1436685) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 4 x + 21)$$

Sequence: A168240
Score: 7.02424
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 21, a(1) = 67, a(2) = 139\}$

Sequence: A168244
Score: 14.3093
Type of gen. func.: ogf

$$\frac{4 x^2 + x - 1}{(x - 1)^3}$$

Sequence: A168244
Score: 32.3964
Type of gen. func.: lgdogf

$$-\frac{x^2 - 12x - 1}{(x - 1)(x^2 - 7x + 2)}$$

Sequence: A168244
Score: 7.59013
Type of gen. func.: ogf

$$(688 f(x) + 995) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 4 x^2 - f(x) - x + 1)$$

Sequence: A168244
Score: 7.79345
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 1, a(1) = 2, a(2) = -1\}$$

Sequence: A168251
Score: 4.36428
Type of gen. func.: ogf

$$- x (64 x^{10} + 16 x^9 + 336 x^8 - 44 x^7 - 212 x^6 + 36 x^5 + 23 x^4 - 4 x^3 + 6 x^2 - 4 x - 1) / ((x - 1)^3 (2 x + 1)^3 (2 x - 1)^3 (x + 1)^3)$$

Sequence: A168269
Score: 15.6561
Type of gen. func.: ogf

$$\frac{x^2 + 3}{(x + 1)(x - 1)^2}$$

Sequence: A168269

Score: 23.6659
Type of gen. func.: lgdogf

$$-\frac{x^3 + x^2 + 11 x + 3}{(x - 1) (x + 1) (x^2 + 3)}$$

Sequence: A168269
Score: 7.96781
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 3, a(1) = 3, a(2) = 7\}$$

Sequence: A168269
Score: 8.1127
Type of gen. func.: ogf

$$(84 f(x) + 701) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - 3)$$

Sequence: A168273
Score: 11.5352
Type of gen. func.: ogf

$$f(x) x^3 - f(x) x^2 - f(x) x + f(x) - 4 x$$

Sequence: A168273
Score: 19.7379
Type of gen. func.: ogf

$$\frac{4 x}{(x + 1) (x - 1)^2}$$

Sequence: A168273
Score: 42.1415
Type of gen. func.: ogf_with_Euler_transform]

$$[x + 1]$$

Sequence: A168273
Score: 43.7818
Type of gen. func.: lgdogf

$$-\frac{3 x + 1}{(x - 1) (x + 1)}$$

Sequence: A168273
Score: 8.00186
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 4, a(2) = 4\}$$

Sequence: A168276
Score: 10.4988
Type of gen. func.: ogf

$$-f(x) x^3 + f(x) x^2 + f(x) x + 2 x^2 - f(x) + 2$$

Sequence: A168276
Score: 15.6561
Type of gen. func.: ogf

$$\frac{2 (x^2 + 1)}{(x + 1) (x - 1)^2}$$

Sequence: A168276
Score: 24.3232
Type of gen. func.: lgdogf

$$-\frac{x^3 + x^2 + 5 x + 1}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A168276
Score: 30.6602

Type of gen. func.: ogf_with_Euler_transform]

$$[-x^3 + 2 x + 1]$$

Sequence: A168276
Score: 7.96781
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 2, a(2) = 6\}$$

Sequence: A168277
Score: 10.4002
Type of gen. func.: ogf

$$-f(x) x^3 + f(x) x^2 + f(x) x + 3 x^2 - f(x) + 1$$

Sequence: A168277
Score: 15.5091
Type of gen. func.: ogf

$$\frac{3 x^2 + 1}{(x + 1) (x - 1)^2}$$

Sequence: A168277
Score: 20.6490
Type of gen. func.: lgdogf

$$-\frac{3 x^3 + 3 x^2 + 9 x + 1}{(x - 1) (x + 1) (3 x^2 + 1)}$$

Sequence: A168277
Score: 7.89300
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 1, a(2) = 5\}$$

Sequence: A168278
Score: 14.1405
Type of gen. func.: ogf

$$-\frac{2x^2-5x-2}{(x+1)(x-1)^2}$$

Sequence: A168278
Score: 18.0013
Type of gen. func.: lgdogf

$$-\frac{2x^3-8x^2-7x-7}{(x-1)(x+1)(2x^2-5x-2)}$$

Sequence: A168278
Score: 7.18809
Type of gen. func.: ogf

$$-(855 f(x)+9119)(f(x)x^3-f(x)x^2-f(x)x+2x^2+f(x)-5x-2)$$

Sequence: A168278
Score: 7.70152
Type of gen. func.: ogf

$$\{a(n+3)-a(n+2)-a(n+1)+a(n), a(0)=2, a(1)=7, a(2)=7\}$$

Sequence: A168280
Score: 15.3368
Type of gen. func.: ogf

$$\frac{x^2+4}{(x+1)(x-1)^2}$$

Sequence: A168280
Score: 23.1791
Type of gen. func.: lgdogf

$$-\frac{x^3 + x^2 + 14 x + 4}{(x - 1) (x + 1) (x^2 + 4)}$$

Sequence: A168280
Score: 7.80536
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 4, a(1) = 4, a(2) = 9\}$$

Sequence: A168280
Score: 7.94729
Type of gen. func.: ogf

$$(65 f(x) + 433) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - 4)$$

Sequence: A168282
Score: 14.1405
Type of gen. func.: ogf

$$-\frac{x^2 - 5 x - 1}{(x + 1) (x - 1)^2}$$

Sequence: A168282
Score: 19.6759
Type of gen. func.: lgdogf

$$-\frac{x^3 - 9 x^2 - 6 x - 6}{(x - 1) (x + 1) (x^2 - 5 x - 1)}$$

Sequence: A168282
Score: 7.43596
Type of gen. func.: ogf

$$-(5 f(x) + 31) (f(x) x^3 - f(x) x^2 - f(x) x + x^2 + f(x) - 5 x - 1)$$

Sequence: A168282
Score: 7.70152
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 6, a(2) = 6\}$$

Sequence: A168283
Score: 15.3368
Type of gen. func.: ogf

$$\frac{2 x^2 + 3}{(x + 1) (x - 1)^2}$$

Sequence: A168283
Score: 19.9448
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 2 x^2 + 13 x + 3}{(x - 1) (x + 1) (2 x^2 + 3)}$$

Sequence: A168283
Score: 7.80536
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 3, a(1) = 3, a(2) = 8\}$$

Sequence: A168283
Score: 7.80537
Type of gen. func.: ogf

$$(480 f(x) + 4889) (f(x) x^3 - f(x) x^2 - f(x) x - 2 x^2 + f(x) - 3)$$

Sequence: A168284
Score: 11.1486
Type of gen. func.: ogf

$$f(x)\,x^3 - f(x)\,x^2 - f(x)\,x + f(x) - 5\,x$$

Sequence: A168284
Score: 19.0765
Type of gen. func.: ogf

$$\frac{5\,x}{(x + 1)\,(x - 1)^2}$$

Sequence: A168284
Score: 40.7172
Type of gen. func.: ogf_with_Euler_transform]

[x + 1]

Sequence: A168284
Score: 42.3031
Type of gen. func.: lgdogf

$$-\frac{3\,x + 1}{(x - 1)\,(x + 1)}$$

Sequence: A168284
Score: 7.73372
Type of gen. func.: ogf

{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 5, a(2) = 5}

Sequence: A168286
Score: 14.2196
Type of gen. func.: ogf

$$-\frac{2\,(x^2 - 3\,x - 1)}{}$$

$$(x + 1) (x - 1)^2$$

Sequence: A168286
Score: 19.7895
Type of gen. func.: lgdogf

$$- \frac{x^3 - 5 x^2 - 4 x - 4}{(x - 1) (x + 1) (x^2 - 3 x - 1)}$$

Sequence: A168286
Score: 7.74459
Type of gen. func.: ogf

$$(3 f(x) + 26) (f(x) x^3 - f(x) x^2 - f(x) x + 2 x^2 + f(x) - 6 x - 2)$$

Sequence: A168286
Score: 7.74459
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 8, a(2) = 8\}$$

Sequence: A168297
Score: 12.0171
Type of gen. func.: lgdogf

$$- \frac{3 x^3 - 13 x^2 - 13 x - 1}{(x - 1) (3 x^3 - 11 x^2 + 3 x - 1)}$$

Sequence: A168297
Score: 3.95988
Type of gen. func.: ogf

$$\{(257 n^2 + 1501 n + 1974) a(n + 1) + (-466 n^2 - 2184 n - 2286) a(n + 2)$$

$$+ (209 n^2 + 827 n + 600) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 9\}$$

Sequence: A168297
Score: 5.13998
Type of gen. func.: ogf

$$-(47358 f(x) + 287101) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 3 x^3 - 4 f(x) x - 11 x^2 + f(x) + 3 x - 1)$$

Sequence: A168297
Score: 9.95046
Type of gen. func.: ogf

$$-\frac{3 x^3 - 11 x^2 + 3 x - 1}{(x - 1)^4}$$

Sequence: A168298
Score: 4.409
Type of gen. func.: ogf

$$-(15620 f(x) - 4731) (8 f(x) x^4 - 20 f(x) x^3 + 18 f(x) x^2 + 4 x^3 - 7 f(x) x - 10 x^2 + f(x) + 8 x - 1)$$

Sequence: A168298
Score: 8.32200
Type of gen. func.: ogf

$$-\frac{4 x^3 - 10 x^2 + 8 x - 1}{(x - 1) (2 x - 1)^3}$$

Sequence: A168298
Score: 9.80520
Type of gen. func.: lgdogf

$$-\frac{8 x^4 - 32 x^3 + 46 x^2 - 20 x - 1}{}$$

$$(x - 1) (2 x - 1) (4 x^3 - 10 x^2 + 8 x - 1)$$

Sequence: A168299
Score: 6.06319
Type of gen. func.: ogf

$$-\frac{54 x^4 - 117 x^3 + 87 x^2 - 9 x + 1}{(x - 1) (3 x - 1)^4}$$

Sequence: A168299
Score: 7.10584
Type of gen. func.: lgdogf

$$-\frac{2 (81 x^5 - 270 x^4 + 342 x^3 - 96 x^2 - 39 x - 2)}{(x - 1) (3 x - 1) (54 x^4 - 117 x^3 + 87 x^2 - 9 x + 1)}$$

Sequence: A168300
Score: 15.0126
Type of gen. func.: ogf

$$\frac{x^2 + 5}{(x + 1) (x - 1)^2}$$

Sequence: A168300
Score: 22.6849
Type of gen. func.: lgdogf

$$-\frac{x^3 + x^2 + 17 x + 5}{(x - 1) (x + 1) (x^2 + 5)}$$

Sequence: A168300
Score: 7.57272
Type of gen. func.: ogf

$$\{a(n+3) - a(n+2) - a(n+1) + a(n),\ a(0) = 5,\ a(1) = 5,\ a(2) = 11\}$$

Sequence: A168300
Score: 7.77925
Type of gen. func.: ogf

$$(24 f(x) + 199) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - 5)$$

Sequence: A168301
Score: 14.2196
Type of gen. func.: ogf

$$-\frac{x^2 - 6 x - 1}{(x + 1) (x - 1)^2}$$

Sequence: A168301
Score: 19.3398
Type of gen. func.: lgdogf

$$-\frac{x^3 - 11 x^2 - 7 x - 7}{(x - 1) (x + 1) (x^2 - 6 x - 1)}$$

Sequence: A168301
Score: 7.47754
Type of gen. func.: ogf

$$-(6 f(x) + 43) (f(x) x^3 - f(x) x^2 - f(x) x + x^2 + f(x) - 6 x - 1)$$

Sequence: A168301
Score: 7.74459
Type of gen. func.: ogf

$$\{a(n+3) - a(n+2) - a(n+1) + a(n),\ a(0) = 1,\ a(1) = 7,\ a(2) = 7\}$$

Sequence: A168302
Score: 5.02350
Type of gen. func.: ogf

$$\frac{x^4 + 23 x^3 + 40 x^2 - 2 x - 8}{(x - 1)^8}$$

Sequence: A168302
Score: 9.68470
Type of gen. func.: lgdogf

$$- \frac{4 x^4 + 119 x^3 + 309 x^2 + 66 x - 66}{(x - 1) (x^4 + 23 x^3 + 40 x^2 - 2 x - 8)}$$

Sequence: A168303
Score: 4.32475
Type of gen. func.: ogf

$$\frac{x^5 + 53 x^4 + 260 x^3 + 236 x^2 + 68 x + 24}{(x - 1)^{10}}$$

Sequence: A168303
Score: 6.84107
Type of gen. func.: lgdogf

$$- \frac{5 x^5 + 323 x^4 + 2032 x^3 + 2668 x^2 + 1084 x + 308}{(x - 1) (x^5 + 53 x^4 + 260 x^3 + 236 x^2 + 68 x + 24)}$$

Sequence: A168304
Score: 4.53569
Type of gen. func.: ogf

$$\frac{x^4 + 32 x^3 + 136 x^2 + 128 x + 24}{(x - 1)^{10}}$$

Sequence: A168304
Score: 8.31776
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^4+114\,x^3+592\,x^2+712\,x+184)}{(x-1)\,(x^4+32\,x^3+136\,x^2+128\,x+24)}$$

Sequence: A168305
Score: 5.05225
Type of gen. func.: ogf

$$\frac{16\,x^4+576\,x^3+1112\,x^2+192\,x-15}{(2\,x-1)^8}$$

Sequence: A168305
Score: 7.00702
Type of gen. func.: lgdogf

$$-\frac{16\,(8\,x^4+364\,x^3+942\,x^2+307\,x-3)}{(2\,x-1)\,(16\,x^4+576\,x^3+1112\,x^2+192\,x-15)}$$

Sequence: A168307
Score: 10.1042
Type of gen. func.: lgdogf

$$-\frac{8\,(2\,x+3)\,(50\,x^2+45\,x-8)}{(2\,x-1)\,(80\,x^3+140\,x^2+48\,x-15)}$$

Sequence: A168307
Score: 5.24332
Type of gen. func.: ogf

3   2

$$\frac{4 (80 x + 140 x + 48 x - 15)}{(2 x - 1)^{8}}$$

Sequence: A168308
Score: 5.54713
Type of gen. func.: lgdogf

$$- \frac{4 (5808 x^{4} + 35872 x^{3} + 44552 x^{2} + 13192 x + 3099)}{(2 x - 1) (1936 x^{4} + 9696 x^{3} + 9320 x^{2} + 1896 x + 525)}$$

Sequence: A168309
Score: 10.1023
Type of gen. func.: ogf

$$-(100 f(x) - 319) (f(x) x^{2} - f(x) - 3 x + 4)$$

Sequence: A168309
Score: 11.8386
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 4, a(1) = -3\}$$

Sequence: A168309
Score: 18.4798
Type of gen. func.: ogf

$$\frac{3 x - 4}{(x - 1) (x + 1)}$$

Sequence: A168309
Score: 27.2365
Type of gen. func.: lgdogf

$$- \frac{3 x^{2} - 8 x + 3}{(x - 1) (3 x - 4) (x + 1)}$$

Sequence: A168309
Score: 31.9325
Type of gen. func.: revogf

$$\frac{-2 + (x^2 - 3x + 4)^{1/2}}{-3 + x}$$

Sequence: A168321
Score: 15.7317
Type of gen. func.: ogf

$$-\frac{x (7x - 8)}{(x + 1) (x - 1)^2}$$

Sequence: A168321
Score: 23.8874
Type of gen. func.: lgdogf

$$-\frac{14x^2 - 17x - 1}{(x - 1) (7x - 8) (x + 1)}$$

Sequence: A168321
Score: 8.0063
Type of gen. func.: ogf

$$-(f(x) + 64) (f(x) x^3 - f(x) x^2 - f(x) x + 7 x^2 + f(x) - 8 x)$$

Sequence: A168321
Score: 8.07843
Type of gen. func.: ogf

{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 8, a(2) = 1}

Sequence: A168326
Score: 15.0126
Type of gen. func.: ogf

$$\frac{2\,(x^2+2)}{(x+1)\,(x-1)^2}$$

Sequence: A168326
Score: 23.3150
Type of gen. func.: lgdogf

$$-\frac{x^3+x^2+8\,x+2}{(x-1)\,(x+1)\,(x^2+2)}$$

Sequence: A168326
Score: 7.57272
Type of gen. func.: ogf

$$\{a(n+3)-a(n+2)-a(n+1)+a(n),\ a(0)=4,\ a(1)=4,\ a(2)=10\}$$

Sequence: A168326
Score: 7.77925
Type of gen. func.: ogf

$$(15\,f(x)+184)\,(f(x)\,x^3-f(x)\,x^2-f(x)\,x-2\,x^2+f(x)-4)$$

Sequence: A168328
Score: 11.2115
Type of gen. func.: ogf

$$f(x)\,x^3-f(x)\,x^2-f(x)\,x+f(x)-6\,x$$

Sequence: A168328
Score: 19.1841
Type of gen. func.: ogf

$$\frac{6\,x}{(x+1)\,(x-1)^2}$$

Sequence: A168328
Score: 40.9434
Type of gen. func.: ogf_with_Euler_transform]

[x + 1]

Sequence: A168328
Score: 42.5475
Type of gen. func.: lgdogf

$$-\frac{3 x + 1}{(x - 1) (x + 1)}$$

Sequence: A168328
Score: 7.77732
Type of gen. func.: ogf

{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 6, a(2) = 6}

Sequence: A168329
Score: 10.3421
Type of gen. func.: ogf

$$-f(x) x^3 + f(x) x^2 + f(x) x + 3 x^2 - f(x) + 3$$

Sequence: A168329
Score: 15.4224
Type of gen. func.: ogf

$$\frac{3 (x^2 + 1)}{(x + 1) (x - 1)^2}$$

Sequence: A168329
Score: 23.9603
Type of gen. func.: lgdogf

$$-\frac{x^3 + x^2 + 5x + 1}{(x - 1)(x + 1)(x^2 + 1)}$$

Sequence: A168329
Score: 30.1936
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^3 + 2x + 1]$$

Sequence: A168329
Score: 7.84892
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 3, a(1) = 3, a(2) = 9\}$$

Sequence: A168330
Score: 10.2388
Type of gen. func.: ogf

$$-(39 f(x) - 101)(f(x) x^2 - f(x) - 2x + 3)$$

Sequence: A168330
Score: 11.8386
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 3, a(1) = -2\}$$

Sequence: A168330
Score: 18.4798
Type of gen. func.: ogf

$$\frac{2x - 3}{(x - 1)(x + 1)}$$

Sequence: A168330

Score: 26.4583
Type of gen. func.: revogf

$$\frac{-3 + (4 x^2 - 8 x + 9)^{1/2}}{2 (x - 2)}$$

Sequence: A168330
Score: 27.2365
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 - 3 x + 1)}{(x - 1) (2 x - 3) (x + 1)}$$

Sequence: A168331
Score: 14.1043
Type of gen. func.: ogf

$$-\frac{3 x^2 - 7 x - 3}{(x + 1) (x - 1)^2}$$

Sequence: A168331
Score: 16.8810
Type of gen. func.: lgdogf

$$-\frac{3 x^3 - 11 x^2 - 10 x - 10}{(x - 1) (x + 1) (3 x^2 - 7 x - 3)}$$

Sequence: A168331
Score: 7.4169
Type of gen. func.: ogf

$$-(7 f(x) + 79) (f(x) x^3 - f(x) x^2 - f(x) x + 3 x^2 + f(x) - 7 x - 3)$$

Sequence: A168331
Score: 7.54703

Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n),\ a(0) = 3,\ a(1) = 10,\ a(2) = 10\}$$

Sequence: A168332
Score: 14.9510
Type of gen. func.: ogf

$$\frac{x^{2} + 6}{(x + 1)\,(x - 1)^{2}}$$

Sequence: A168332
Score: 22.5918
Type of gen. func.: lgdogf

$$-\frac{x^{3} + x^{2} + 20\,x + 6}{(x - 1)\,(x + 1)\,(x^{2} + 6)}$$

Sequence: A168332
Score: 7.54165
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n),\ a(0) = 6,\ a(1) = 6,\ a(2) = 13\}$$

Sequence: A168332
Score: 7.60898
Type of gen. func.: ogf

$$(133\,f(x) + 1321)\,(f(x)\,x^{3} - f(x)\,x^{2} - f(x)\,x - x^{2} + f(x) - 6)$$

Sequence: A168333
Score: 13.9706
Type of gen. func.: ogf

$$-\frac{2\,x^{2} - 7\,x - 2}{{}^{2}}$$

$$(x + 1) (x - 1)$$

Sequence: A168333
Score: 17.4145
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 12 x^2 - 9 x - 9}{(x - 1) (x + 1) (2 x^2 - 7 x - 2)}$$

Sequence: A168333
Score: 7.3466
Type of gen. func.: ogf

$$-(7 f(x) + 67) (f(x) x^3 - f(x) x^2 - f(x) x + 2 x^2 + f(x) - 7 x - 2)$$

Sequence: A168333
Score: 7.60898
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 9, a(2) = 9\}$$

Sequence: A168336
Score: 14.9510
Type of gen. func.: ogf

$$\frac{2 x^2 + 5}{(x + 1) (x - 1)^2}$$

Sequence: A168336
Score: 19.4394
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 2 x^2 + 19 x + 5}{(x - 1) (x + 1) (2 x^2 + 5)}$$

Sequence: A168336
Score: 7.54165
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 5, a(1) = 5, a(2) = 12\}$$

Sequence: A168336
Score: 7.60898
Type of gen. func.: ogf

$$(119 f(x) + 1013) (f(x) x^3 - f(x) x^2 - f(x) x - 2 x^2 + f(x) - 5)$$

Sequence: A168337
Score: 14.1624
Type of gen. func.: ogf

$$- \frac{x^2 - 7 x - 1}{(x + 1) (x - 1)^2}$$

Sequence: A168337
Score: 19.2620
Type of gen. func.: lgdogf

$$- \frac{x^3 - 13 x^2 - 8 x - 8}{(x - 1) (x + 1) (x^2 - 7 x - 1)}$$

Sequence: A168337
Score: 7.44747
Type of gen. func.: ogf

$$-(7 f(x) + 57) (f(x) x^3 - f(x) x^2 - f(x) x + x^2 + f(x) - 7 x - 1)$$

Sequence: A168337
Score: 7.71345
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 8, a(2) = 8}

Sequence: A168351
Score: 5.55367
Type of gen. func.: ogf

$$-\frac{x (16 x^4 + 131 x^3 + 171 x^2 + 41 x + 1)}{(x - 1)^7}$$

Sequence: A168351
Score: 9.48034
Type of gen. func.: lgdogf

$$-\frac{12 (4 x^4 + 49 x^3 + 104 x^2 + 49 x + 4)}{(x - 1) (16 x^4 + 131 x^3 + 171 x^2 + 41 x + 1)}$$

Sequence: A168361
Score: 11.8386
Type of gen. func.: ogf

{a(n + 2) - a(n), a(0) = 2, a(1) = -1}

Sequence: A168361
Score: 16.8371
Type of gen. func.: ogf

$$-f(x) x^2 + f(x) + x - 2$$

Sequence: A168361
Score: 18.4798
Type of gen. func.: ogf

$$\frac{x - 2}{(x - 1) (x + 1)}$$

Sequence: A168361
Score: 30.8680
Type of gen. func.: lgdogf

$$-\frac{x^2 - 4x + 1}{(x-1)(x-2)(x+1)}$$

Sequence: A168361
Score: 34.2978
Type of gen. func.: revogf

$$\frac{-1 + (x^2 - x + 1)^{1/2}}{x - 1}$$

Sequence: A168364
Score: 4.26342
Type of gen. func.: ogf

$$\frac{x (x^6 + 72 x^5 + 603 x^4 + 1168 x^3 + 603 x^2 + 72 x + 1)}{(x-1)^8}$$

Sequence: A168364
Score: 6.15650
Type of gen. func.: lgdogf

$$-\frac{2 (x^6 + 111 x^5 + 1386 x^4 + 4126 x^3 + 3561 x^2 + 855 x + 40)}{(x-1)(x^6 + 72 x^5 + 603 x^4 + 1168 x^3 + 603 x^2 + 72 x + 1)}$$

Sequence: A168371
Score: 3.71064
Type of gen. func.: ogf

$$-\frac{x (112 x^6 + 2151 x^5 + 7857 x^4 + 7762 x^3 + 2142 x^2 + 135 x + 1)}{(x-1)^9}$$

Sequence: A168372
Score: 5.09170
Type of gen. func.: ogf

$$x (x^8 + 262 x^7 + 7288 x^6 + 44074 x^5 + 78190 x^4 + 44074 x^3 + 7288 x^2 + 262 x + 1) / (x - 1)^{10}$$

Sequence: A168373
Score: 14.9510
Type of gen. func.: ogf

$$\frac{3 x^2 + 4}{(x + 1) (x - 1)^2}$$

Sequence: A168373
Score: 19.4394
Type of gen. func.: lgdogf

$$- \frac{3 x^3 + 3 x^2 + 18 x + 4}{(x - 1) (x + 1) (3 x^2 + 4)}$$

Sequence: A168373
Score: 7.54165
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 4, a(1) = 4, a(2) = 11}

Sequence: A168373
Score: 7.67753
Type of gen. func.: ogf

$$(105 f(x) + 779) (f(x) x^3 - f(x) x^2 - f(x) x - 3 x^2 + f(x) - 4)$$

Sequence: A168374
Score: 11.1664
Type of gen. func.: ogf

$$f(x)\,x^3 - f(x)\,x^2 - f(x)\,x + f(x) - 7\,x$$

Sequence: A168374
Score: 19.1069
Type of gen. func.: ogf

$$\frac{7\,x}{(x + 1)\,(x - 1)^2}$$

Sequence: A168374
Score: 40.7754
Type of gen. func.: ogf_with_Euler_transform]

$$[x + 1]$$

Sequence: A168374
Score: 42.3764
Type of gen. func.: lgdogf

$$-\frac{3\,x + 1}{(x - 1)\,(x + 1)}$$

Sequence: A168374
Score: 7.74605
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n),\ a(0) = 0,\ a(1) = 7,\ a(2) = 7\}$$

Sequence: A168376
Score: 14.9510
Type of gen. func.: ogf

$$4\,x^2 + 3$$

$$\overline{(x + 1) (x - 1)^{2}}$$

Sequence: A168376
Score: 19.4394
Type of gen. func.: lgdogf

$$- \frac{4 x^{3} + 4 x^{2} + 17 x + 3}{(x - 1) (x + 1) (4 x^{2} + 3)}$$

Sequence: A168376
Score: 7.54164
Type of gen. func.: ogf

$$(840 f(x) + 12791) (f(x) x^{3} - f(x) x^{2} - f(x) x - 4 x^{2} + f(x) - 3)$$

Sequence: A168376
Score: 7.54165
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 3, a(1) = 3, a(2) = 10\}$$

Sequence: A168378
Score: 14.2380
Type of gen. func.: ogf

$$- \frac{(3 x + 1) (-3 + x)}{(x + 1) (x - 1)^{2}}$$

Sequence: A168378
Score: 17.0441
Type of gen. func.: lgdogf

$$- \frac{3 x^{3} - 13 x^{2} - 11 x - 11}{(x - 1) (-3 + x) (3 x + 1) (x + 1)}$$

Sequence: A168378
Score: 7.61856
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 3, a(1) = 11, a(2) = 11\}$$

Sequence: A168378
Score: 7.7546
Type of gen. func.: ogf

$$(8 f(x) + 97) (f(x) x^3 - f(x) x^2 - f(x) x + 3 x^2 + f(x) - 8 x - 3)$$

Sequence: A168379
Score: 14.8883
Type of gen. func.: ogf

$$\frac{x^2 + 7}{(x + 1) (x - 1)^2}$$

Sequence: A168379
Score: 22.4970
Type of gen. func.: lgdogf

$$- \frac{x^3 + x^2 + 23 x + 7}{(x - 1) (x + 1) (x^2 + 7)}$$

Sequence: A168379
Score: 7.51002
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 7, a(1) = 7, a(2) = 15\}$$

Sequence: A168379
Score: 7.64534
Type of gen. func.: ogf

$$(88 f(x) + 1019) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - 7)$$

Sequence: A168380
Score: 11.5429
Type of gen. func.: ogf

$$\frac{2 (x^2 + 1)}{(x + 1)^2 (x - 1)^4}$$

Sequence: A168380
Score: 22.9831
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^3 + x^2 + 4 x + 1)}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A168380
Score: 32.0740
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^3 + 3 x + 2]$$

Sequence: A168381
Score: 14.2380
Type of gen. func.: ogf

$$- \frac{2 (x^2 - 4 x - 1)}{(x + 1) (x - 1)^2}$$

Sequence: A168381
Score: 19.8187
Type of gen. func.: lgdogf

3   2

$$-\frac{x - 7 x - 5 x - 5}{(x - 1) (x + 1) (x^2 - 4 x - 1)}$$

Sequence: A168381
Score: 7.61856
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 10, a(2) = 10}

Sequence: A168381
Score: 7.7546
Type of gen. func.: ogf

$$(2 f(x) + 21) (f(x) x^3 - f(x) x^2 - f(x) x + 2 x^2 + f(x) - 8 x - 2)$$

Sequence: A168384
Score: 14.8883
Type of gen. func.: ogf

$$\frac{2 (x^2 + 3)}{(x + 1) (x - 1)^2}$$

Sequence: A168384
Score: 22.4970
Type of gen. func.: lgdogf

$$-\frac{x^3 + x^2 + 11 x + 3}{(x - 1) (x + 1) (x^2 + 3)}$$

Sequence: A168384
Score: 7.51002
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 6, a(1) = 6, a(2) = 14}

Sequence: A168384
Score: 7.71484
Type of gen. func.: ogf

$$(42 f(x) + 701) (f(x) x^3 - f(x) x^2 - f(x) x - 2 x^2 + f(x) - 6)$$

Sequence: A168388
Score: 12.0600
Type of gen. func.: lgdogf

$$- \frac{(x + 3) (x^2 + 1) (x^3 - 3 x^2 - x - 1)}{(x - 1) (x + 1) (x^2 - 2 x - 1) (x^3 + x^2 - x + 1)}$$

Sequence: A168388
Score: 7.66498
Type of gen. func.: ogf

$$- \frac{(x^2 - 2 x - 1) (x^3 + x^2 - x + 1)}{(x + 1)^2 (x - 1)^4}$$

Sequence: A168390
Score: 14.1043
Type of gen. func.: ogf

$$- \frac{x^2 - 8 x - 1}{(x + 1) (x - 1)^2}$$

Sequence: A168390
Score: 19.1830
Type of gen. func.: lgdogf

$$- \frac{x^3 - 15 x^2 - 9 x - 9}{(x - 1) (x + 1) (x^2 - 8 x - 1)}$$

Sequence: A168390
Score: 7.4169
Type of gen. func.: ogf

$$-(8 f(x) + 73) (f(x) x^3 - f(x) x^2 - f(x) x + x^2 + f(x) - 8 x - 1)$$

Sequence: A168390
Score: 7.68179
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 9, a(2) = 9\}$$

Sequence: A168392
Score: 14.8883
Type of gen. func.: ogf

$$\frac{3 x^2 + 5}{(x + 1) (x - 1)^2}$$

Sequence: A168392
Score: 19.3579
Type of gen. func.: lgdogf

$$-\frac{3 x^3 + 3 x^2 + 21 x + 5}{(x - 1) (x + 1) (3 x^2 + 5)}$$

Sequence: A168392
Score: 7.51002
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 5, a(1) = 5, a(2) = 13\}$$

Sequence: A168392
Score: 7.57708
Type of gen. func.: ogf

$$(520 f(x) + 8473) (f(x) x^3 - f(x) x^2 - f(x) x - 3 x^2 + f(x) - 5)$$

Sequence: A168397
Score: 11.899
Type of gen. func.: ogf

$$f(x) x^3 - f(x) x^2 - f(x) x + f(x) - 8 x$$

Sequence: A168397
Score: 20.3605
Type of gen. func.: ogf

$$\frac{8 x}{(x + 1) (x - 1)^2}$$

Sequence: A168397
Score: 43.4578
Type of gen. func.: ogf_with_Euler_transform]

$$[x + 1]$$

Sequence: A168397
Score: 8.25426
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 8, a(2) = 8\}$$

Sequence: A168398
Score: 14.8883
Type of gen. func.: ogf

$$\frac{4 (x^2 + 1)}{(x + 1) (x - 1)^2}$$

Sequence: A168398
Score: 23.1219
Type of gen. func.: lgdogf

$$-\frac{x^3 + x^2 + 5 x + 1}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A168398
Score: 29.1378
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^3 + 2 x + 1]$$

Sequence: A168398
Score: 7.51002
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 4, a(1) = 4, a(2) = 12\}$$

Sequence: A168398
Score: 9.98391
Type of gen. func.: ogf

$$-f(x) x^3 + f(x) x^2 + f(x) x + 4 x^2 - f(x) + 4$$

Sequence: A168399
Score: 10.7083
Type of gen. func.: ogf

$$-(2 f(x) + 25) (f(x) x^3 + 9 x^2 - f(x) + 3 x + 1)$$

Sequence: A168399
Score: 11.2719
Type of gen. func.: ogf

$$\{a(n + 3) - a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A168399
Score: 14.9738
Type of gen. func.: lgdogf

$$-\frac{3\,(3\,x^4+2\,x^3+x^2+6\,x+1)}{(x-1)\,(x^2+x+1)\,(9\,x^2+3\,x+1)}$$

Sequence: A168399
Score: 17.4829
Type of gen. func.: ogf

$$-\frac{9\,x^2+3\,x+1}{(x-1)\,(x^2+x+1)}$$

Sequence: A168400
Score: 13.3690
Type of gen. func.: ogf

$$-\frac{5\,x^3+7\,x^2+2\,x+1}{(x-1)\,(x^2+1)}$$

Sequence: A168400
Score: 14.5881
Type of gen. func.: lgdogf

$$-\frac{3\,(4\,x^4-2\,x^3+3\,x^2+4\,x+1)}{(x-1)\,(5\,x^3+7\,x^2+2\,x+1)\,(x^2+1)}$$

Sequence: A168400
Score: 6.93580
Type of gen. func.: ogf

$$\{a(n+4)-a(n+3)+a(n+2)-a(n+1),\ a(0)=1,\ a(1)=3,\ a(2)=9,\ a(3)=12\}$$

Sequence: A168400
Score: 7.49968
Type of gen. func.: ogf

$$-(f(x) + 2) (f(x) x^3 - f(x) x^2 + 5 x^3 + f(x) x + 7 x^2 - f(x) + 2 x + 1)$$

Sequence: A168401
Score: 13.8524
Type of gen. func.: ogf

$$-\frac{4 x^2 - 9 x - 4}{(x + 1) (x - 1)^2}$$

Sequence: A168401
Score: 16.5765
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 14 x^2 - 13 x - 13}{(x - 1) (x + 1) (4 x^2 - 9 x - 4)}$$

Sequence: A168401
Score: 7.2222
Type of gen. func.: ogf

$$-(9 f(x) + 133) (f(x) x^3 - f(x) x^2 - f(x) x + 4 x^2 + f(x) - 9 x - 4)$$

Sequence: A168401
Score: 7.41225
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 4, a(1) = 13, a(2) = 13\}$$

Sequence: A168409
Score: 14.6826

Type of gen. func.: ogf

$$\frac{x^2 + 8}{(x + 1) (x - 1)^2}$$

Sequence: A168409
Score: 22.1821
Type of gen. func.: lgdogf

$$- \frac{x^3 + x^2 + 26 x + 8}{(x - 1) (x + 1) (x^2 + 8)}$$

Sequence: A168409
Score: 7.40629
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 8, a(1) = 8, a(2) = 17}

Sequence: A168409
Score: 7.47243
Type of gen. func.: ogf

$$(225 f(x) + 2977) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - 8)$$

Sequence: A168410
Score: 13.8524
Type of gen. func.: ogf

$$- \frac{3 (x^2 - 3 x - 1)}{(x + 1) (x - 1)^2}$$

Sequence: A168410
Score: 19.2750
Type of gen. func.: lgdogf

$$-\frac{x^3 - 5x^2 - 4x - 4}{(x-1)(x+1)(x^2 - 3x - 1)}$$

Sequence: A168410
Score: 7.41225
Type of gen. func.: ogf

$$\{a(n+3) - a(n+2) - a(n+1) + a(n), a(0) = 3, a(1) = 12, a(2) = 12\}$$

Sequence: A168410
Score: 7.54462
Type of gen. func.: ogf

$$(f(x) + 13)(f(x) x^3 - f(x) x^2 - f(x) x + 3 x^2 + f(x) - 9 x - 3)$$

Sequence: A168411
Score: 14.6826
Type of gen. func.: ogf

$$\frac{2x^2 + 7}{(x+1)(x-1)^2}$$

Sequence: A168411
Score: 19.0870
Type of gen. func.: lgdogf

$$-\frac{2x^3 + 2x^2 + 25x + 7}{(x-1)(x+1)(2x^2 + 7)}$$

Sequence: A168411
Score: 7.40629
Type of gen. func.: ogf

$$\{a(n+3) - a(n+2) - a(n+1) + a(n), a(0) = 7, a(1) = 7, a(2) = 16\}$$

Sequence: A168411
Score: 7.47243
Type of gen. func.: ogf

$$(207 f(x) + 2423) (f(x) x^3 - f(x) x^2 - f(x) x - 2 x^2 + f(x) - 7)$$

Sequence: A168413
Score: 13.8524
Type of gen. func.: ogf

$$- \frac{2 x^2 - 9 x - 2}{(x + 1) (x - 1)^2}$$

Sequence: A168413
Score: 16.5765
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 16 x^2 - 11 x - 11}{(x - 1) (x + 1) (2 x^2 - 9 x - 2)}$$

Sequence: A168413
Score: 6.92621
Type of gen. func.: ogf

$$-(3627 f(x) + 61111) (f(x) x^3 - f(x) x^2 - f(x) x + 2 x^2 + f(x) - 9 x - 2)$$

Sequence: A168413
Score: 7.41225
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 11, a(2) = 11\}$$

Sequence: A168414
Score: 14.6826
Type of gen. func.: ogf

$$\frac{3\,(x^2+2)}{(x+1)\,(x-1)^2}$$

Sequence: A168414
Score: 22.7983
Type of gen. func.: lgdogf

$$-\frac{x^3+x^2+8\,x+2}{(x-1)\,(x+1)\,(x^2+2)}$$

Sequence: A168414
Score: 7.40629
Type of gen. func.: ogf

$$\{a(n+3)-a(n+2)-a(n+1)+a(n),\ a(0)=6,\ a(1)=6,\ a(2)=15\}$$

Sequence: A168414
Score: 7.74918
Type of gen. func.: ogf

$$(5\,f(x)+92)\,(f(x)\,x^3-f(x)\,x^2-f(x)\,x-3\,x^2+f(x)-6)$$

Sequence: A168415
Score: 10.5022
Type of gen. func.: revegf]

$$1/2\,\ln(2\,x+15)-\operatorname{arctanh}\left(\frac{(2\,x+64)^{1/2}}{7}\right)-1/2\,\ln(15)+\operatorname{arctanh}(8/7)$$

Sequence: A168415
Score: 15.3698
Type of gen. func.: ogf

$$-\frac{15\,x-8}{}$$

$$(2x-1)(x-1)$$

Sequence: A168415
Score: 17.7730
Type of gen. func.: lgdogf

$$-\frac{30x^2-32x+9}{(x-1)(15x-8)(2x-1)}$$

Sequence: A168415
Score: 8.03421
Type of gen. func.: ogf

$$(5f(x)-121)(2f(x)x^2-3f(x)x+f(x)+15x-8)$$

Sequence: A168415
Score: 8.62209
Type of gen. func.: ogf

$$\{a(n+2)-3a(n+1)+2a(n), a(0)=8, a(1)=9\}$$

Sequence: A168416
Score: 13.8524
Type of gen. func.: ogf

$$-\frac{x^2-9x-1}{(x+1)(x-1)^2}$$

Sequence: A168416
Score: 18.0179
Type of gen. func.: lgdogf

$$-\frac{x^3-17x^2-10x-10}{(x-1)(x+1)(x^2-9x-1)}$$

Sequence: A168416
Score: 7.28446
Type of gen. func.: ogf

$$-(9 f(x) + 91) (f(x) x^3 - f(x) x^2 - f(x) x + x^2 + f(x) - 9 x - 1)$$

Sequence: A168416
Score: 7.41225
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 10, a(2) = 10\}$$

Sequence: A168418
Score: 14.6826
Type of gen. func.: ogf

$$\frac{4 x^2 + 5}{(x + 1) (x - 1)^2}$$

Sequence: A168418
Score: 19.0870
Type of gen. func.: lgdogf

$$- \frac{4 x^3 + 4 x^2 + 23 x + 5}{(x - 1) (x + 1) (4 x^2 + 5)}$$

Sequence: A168418
Score: 7.34133
Type of gen. func.: ogf

$$(2520 f(x) + 46447) (f(x) x^3 - f(x) x^2 - f(x) x - 4 x^2 + f(x) - 5)$$

Sequence: A168418
Score: 7.40629
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 5, a(1) = 5, a(2) = 14\}$$

Sequence: A168419
Score: 10.9685
Type of gen. func.: ogf

$$f(x) x^3 - f(x) x^2 - f(x) x + f(x) - 9 x$$

Sequence: A168419
Score: 18.7683
Type of gen. func.: ogf

$$\frac{9 x}{(x + 1) (x - 1)^2}$$

Sequence: A168419
Score: 40.0454
Type of gen. func.: ogf_with_Euler_transform]

$$[x + 1]$$

Sequence: A168419
Score: 41.6195
Type of gen. func.: lgdogf

$$- \frac{3 x + 1}{(x - 1) (x + 1)}$$

Sequence: A168419
Score: 7.60876
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 9, a(2) = 9\}$$

Sequence: A168420
Score: 13.4395
Type of gen. func.: ogf

$$-\frac{2\,(2\,x^{2}-5\,x-2)}{(x+1)\,(x-1)^{2}}$$

Sequence: A168420
Score: 17.3861
Type of gen. func.: lgdogf

$$-\frac{2\,x^{3}-8\,x^{2}-7\,x-7}{(x-1)\,(x+1)\,(2\,x^{2}-5\,x-2)}$$

Sequence: A168420
Score: 7.12178
Type of gen. func.: ogf

$$-(5\,f(x)+78)\,(f(x)\,x^{3}-f(x)\,x^{2}-f(x)\,x+4\,x^{2}+f(x)-10\,x-4)$$

Sequence: A168420
Score: 7.30918
Type of gen. func.: ogf

$$\{a(n+3)-a(n+2)-a(n+1)+a(n),\ a(0)=4,\ a(1)=14,\ a(2)=14\}$$

Sequence: A168427
Score: 13.4191
Type of gen. func.: ogf

$$-\frac{20\,x^{3}+7\,x^{2}+2\,x+1}{(x-1)\,(x^{2}+1)}$$

Sequence: A168427
Score: 14.1786
Type of gen. func.: lgdogf

4 3 2

```
                   3 (9 x  - 12 x  + 18 x  + 4 x + 1)
             - ---------------------------------------
                       2            3      2
               (x - 1) (x  + 1) (20 x  + 7 x  + 2 x + 1)



--------------------------------------------------------------------------------

Sequence:  A168427
Score: 7.06266
Type of gen. func.: ogf


{-a(n + 4) + a(n + 3) - a(n + 2) + a(n + 1), a(0) = 1, a(1) = 3, a(2) = 9,

    a(3) = 27}



--------------------------------------------------------------------------------

Sequence:  A168427
Score: 7.82778
Type of gen. func.: ogf


                  3          2       3                 2
    (f(x) - 1) (f(x) x  - f(x) x  + 20 x  + f(x) x + 7 x  - f(x) + 2 x + 1)



--------------------------------------------------------------------------------

Sequence:  A168428
Score: 10.3306
Type of gen. func.: ogf

              {-a(n + 3) + a(n + 1), a(0) = 1, a(1) = 4, a(2) = 6}



--------------------------------------------------------------------------------

Sequence:  A168428
Score: 10.9844
Type of gen. func.: ogf

                                       2       2
                -(3 f(x) + 1) (f(x) x  + 5 x  - f(x) + 4 x + 1)



--------------------------------------------------------------------------------

Sequence:  A168428
Score: 17.7096
Type of gen. func.: ogf

                                      2
                                   5 x  + 4 x + 1
                                 - ---------------
                                   (x - 1) (x + 1)



--------------------------------------------------------------------------------
```

Sequence: A168428
Score: 21.2399
Type of gen. func.: lgdogf

$$-\frac{4\,(x^2+3\,x+1)}{(x-1)\,(x+1)\,(5\,x^2+4\,x+1)}$$

Sequence: A168429
Score: 13.5215
Type of gen. func.: ogf

$$-\frac{3\,x^4+9\,x^3+5\,x^2+4\,x+1}{(x-1)\,(x^4+x^3+x^2+x+1)}$$

Sequence: A168429
Score: 8.04377
Type of gen. func.: lgdogf

$$-\frac{3\,x^8+18\,x^7+15\,x^6+16\,x^5+5\,x^4+12\,x^3+27\,x^2+10\,x+4}{(x-1)\,(x^4+x^3+x^2+x+1)\,(3\,x^4+9\,x^3+5\,x^2+4\,x+1)}$$

Sequence: A168430
Score: 11.9046
Type of gen. func.: lgdogf

$$-\frac{2\,(5\,x^6-x^5+5\,x^4-11\,x^3+14\,x^2-x+2)}{(x-1)\,(x+1)\,(x^2-x+1)\,(10\,x^3-x^2+3\,x+1)}$$

Sequence: A168430
Score: 13.6923
Type of gen. func.: ogf

$$-\frac{10\,x^3-x^2+3\,x+1}{(x-1)\,(x+1)\,(x^2-x+1)}$$

Sequence: A168430
Score: 7.66768
Type of gen. func.: ogf

$$-(3 f(x) - 22) (f(x) x^4 - f(x) x^3 + 10 x^3 + f(x) x - x^2 - f(x) + 3 x + 1)$$

Sequence: A168437
Score: 13.4395
Type of gen. func.: ogf

$$-\frac{3 x^2 - 10 x - 3}{(x + 1) (x - 1)^2}$$

Sequence: A168437
Score: 16.0225
Type of gen. func.: lgdogf

$$-\frac{3 x^3 - 17 x^2 - 13 x - 13}{(x - 1) (x + 1) (3 x^2 - 10 x - 3)}$$

Sequence: A168437
Score: 7.00208
Type of gen. func.: ogf

$$-(10 f(x) + 139) (f(x) x^3 - f(x) x^2 - f(x) x + 3 x^2 + f(x) - 10 x - 3)$$

Sequence: A168437
Score: 7.30918
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 3, a(1) = 13, a(2) = 13\}$$

Sequence: A168456
Score: 14.8245

Type of gen. func.: ogf

$$\frac{2 (x^2 + 4)}{(x + 1) (x - 1)^2}$$

Sequence: A168456
Score: 22.4007
Type of gen. func.: lgdogf

$$- \frac{x^3 + x^2 + 14 x + 4}{(x - 1) (x + 1) (x^2 + 4)}$$

Sequence: A168456
Score: 7.47785
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 8, a(1) = 8, a(2) = 18\}$$

Sequence: A168456
Score: 7.6818
Type of gen. func.: ogf

$$(65 f(x) + 866) (f(x) x^3 - f(x) x^2 - f(x) x - 2 x^2 + f(x) - 8)$$

Sequence: A168457
Score: 13.4395
Type of gen. func.: ogf

$$- \frac{2 (x^2 - 5 x - 1)}{(x + 1) (x - 1)^2}$$

Sequence: A168457
Score: 19.0034
Type of gen. func.: lgdogf

$$-\frac{x^3 - 9 x^2 - 6 x - 6}{(x - 1) (x + 1) (x^2 - 5 x - 1)}$$

Sequence: A168457
Score: 6.8299
Type of gen. func.: ogf

$$-(595 f(x) + 10978) (f(x) x^3 - f(x) x^2 - f(x) x + 2 x^2 + f(x) - 10 x - 2)$$

Sequence: A168457
Score: 7.30918
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 12, a(2) = 12\}$$

Sequence: A168458
Score: 14.8245
Type of gen. func.: ogf

$$\frac{3 x^2 + 7}{(x + 1) (x - 1)^2}$$

Sequence: A168458
Score: 19.2750
Type of gen. func.: lgdogf

$$-\frac{3 x^3 + 3 x^2 + 27 x + 7}{(x - 1) (x + 1) (3 x^2 + 7)}$$

Sequence: A168458
Score: 7.47785
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 7, a(1) = 7, a(2) = 17\}$$

Sequence: A168458
Score: 7.6818
Type of gen. func.: ogf

$$(60 f(x) + 719) (f(x) x^3 - f(x) x^2 - f(x) x - 3 x^2 + f(x) - 7)$$

Sequence: A168459
Score: 13.4395
Type of gen. func.: ogf

$$- \frac{x^2 - 10 x - 1}{(x + 1) (x - 1)^2}$$

Sequence: A168459
Score: 17.3861
Type of gen. func.: lgdogf

$$- \frac{x^3 - 19 x^2 - 11 x - 11}{(x - 1) (x + 1) (x^2 - 10 x - 1)}$$

Sequence: A168459
Score: 7.00208
Type of gen. func.: ogf

$$-(10 f(x) + 111) (f(x) x^3 - f(x) x^2 - f(x) x + x^2 + f(x) - 10 x - 1)$$

Sequence: A168459
Score: 7.30918
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 11, a(2) = 11\}$$

Sequence: A168460
Score: 14.8245
Type of gen. func.: ogf

$$\frac{2\,(2\,x^2+3)}{(x+1)\,(x-1)^2}$$

Sequence: A168460
Score: 19.2750
Type of gen. func.: lgdogf

$$-\frac{2\,x^3+2\,x^2+13\,x+3}{(x-1)\,(x+1)\,(2\,x^2+3)}$$

Sequence: A168460
Score: 7.47785
Type of gen. func.: ogf

$$\{a(n+3)-a(n+2)-a(n+1)+a(n),\ a(0)=6,\ a(1)=6,\ a(2)=16\}$$

Sequence: A168460
Score: 7.54462
Type of gen. func.: ogf

$$(240\,f(x)+4889)\,(f(x)\,x^3-f(x)\,x^2-f(x)\,x-4\,x^2+f(x)-6)$$

Sequence: A168461
Score: 10.6311
Type of gen. func.: ogf

$$f(x)\,x^3-f(x)\,x^2-f(x)\,x+f(x)-10\,x$$

Sequence: A168461
Score: 18.0266
Type of gen. func.: ogf

$$\frac{10\,x}{(x+1)\,(x-1)^2}$$

Sequence: A168461
Score: 39.3100
Type of gen. func.: ogf_with_Euler_transform]

$$[x + 1]$$

Sequence: A168461
Score: 40.8573
Type of gen. func.: lgdogf

$$-\frac{3 x + 1}{(x - 1) (x + 1)}$$

Sequence: A168461
Score: 7.33825
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 10, a(2) = 10\}$$

Sequence: A168463
Score: 13.5693
Type of gen. func.: ogf

$$-\frac{5 x^2 - 11 x - 5}{(x + 1) (x - 1)^2}$$

Sequence: A168463
Score: 16.1803
Type of gen. func.: lgdogf

$$-\frac{5 x^3 - 17 x^2 - 16 x - 16}{(x - 1) (x + 1) (5 x^2 - 11 x - 5)}$$

Sequence: A168463

Score: 7.06974
Type of gen. func.: ogf

$$-(11 f(x) + 201) (f(x) x^3 - f(x) x^2 - f(x) x + 5 x^2 + f(x) - 11 x - 5)$$

Sequence: A168463
Score: 7.37981
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 5, a(1) = 16, a(2) = 16\}$$

Sequence: A168465
Score: 13.9850
Type of gen. func.: ogf

$$\frac{4 x^2 + 5 x + 2}{(x + 1) (x - 1)^2}$$

Sequence: A168465
Score: 7.11377
Type of gen. func.: lgdogf

$$(19 x^{23} - 19 x^{22} - 38 x^{21} + 38 x^{20} + 19 x^{19} - 19 x^{18} - 2 x^3 + 10 x^2 + 23 x + 13) \Big/ ((x - 1) (x + 1) (x^{22} - x^{21} - x^{20} + x^{19} + 2 x^2 - 6 x - 7))$$

Sequence: A168465
Score: 7.29131
Type of gen. func.: ogf

$$(1705 f(x) - 2034) (f(x) x^3 - f(x) x^2 - f(x) x - 4 x^2 + f(x) - 5 x - 2)$$

Sequence: A168465
Score: 7.54942
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 2, a(1) = 7, a(2) = 13\}$$

Sequence: A168484
Score: 11.3094
Type of gen. func.: ogf

$$\frac{4 x^4 + 2 x^3 + 2 x^2 + x + 2}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A168484
Score: 9.28604
Type of gen. func.: lgdogf

$$- \frac{4 x^7 + 8 x^6 + 12 x^5 + 12 x^4 + 31 x^3 + 11 x^2 + 7 x + 3}{(x - 1) (x + 1) (x^2 + 1) (4 x^4 + 2 x^3 + 2 x^2 + x + 2)}$$

Sequence: A168486
Score: 13.9850
Type of gen. func.: ogf

$$\frac{6 x^2 + 3 x + 2}{(x + 1) (x - 1)^2}$$

Sequence: A168486
Score: 16.5039
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 14 x^2 - 19 x - 13}{(x - 1) (x + 1) (2 x^2 - 8 x - 5)}$$

Sequence: A168486
Score: 6.99249
Type of gen. func.: ogf

3 2 2

$$-(1023 f(x) + 30083) (f(x) x - f(x) x - f(x) x - 6 x + f(x) - 3 x - 2)$$

Sequence: A168486
Score: 7.54942
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 5, a(2) = 13\}$$

Sequence: A168489
Score: 13.8578
Type of gen. func.: ogf

$$\frac{x^2 + 4 x + 7}{(x + 1) (x - 1)^2}$$

Sequence: A168489
Score: 18.8460
Type of gen. func.: lgdogf

$$-\frac{x^3 + 9 x^2 + 27 x + 11}{(x - 1) (x + 1) (x^2 + 4 x + 7)}$$

Sequence: A168489
Score: 7.22499
Type of gen. func.: ogf

$$-(4 f(x) + 395) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - 4 x - 7)$$

Sequence: A168489
Score: 7.41512
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 7, a(1) = 11, a(2) = 19\}$$

Sequence: A168490

Score: 10.4143
Type of gen. func.: revogf

$$1/6 + x/3 - \frac{2 x^2}{3} - \frac{(16 x^4 - 16 x^3 + 20 x^2 - 8 x + 1)^{1/2}}{6}$$

Sequence: A168490
Score: 7.35486
Type of gen. func.: ogf

$$4 f(x)^2 x^2 - 2 f(x)^2 x - 2 f(x) x + f(x) + 3 x - 1$$

Sequence: A168491
Score: 110.915
Type of gen. func.: revogf

$$x (x + 1)$$

Sequence: A168491
Score: 18.1239
Type of gen. func.: ogf

$$-1 + f(x) + f(x)^2 x$$

Sequence: A168491
Score: 22.8354
Type of gen. func.: lgdogf

$$- \frac{2}{(1 + 4 x)^{1/2} (1 + (1 + 4 x)^{1/2})}$$

Sequence: A168491
Score: 7.14501
Type of gen. func.: ogf

$$\{(-4 n - 6) a(n + 1) + (-n - 3) a(n + 2), a(0) = 1, a(1) = -1\}$$

Sequence: A168492
Score: 12.9352
Type of gen. func.: revogf

$$\frac{1}{8} + \frac{x}{4} - \frac{3 x^2}{4} - \frac{(36 x^4 - 24 x^3 + 40 x^2 - 12 x + 1)^{1/2}}{8}$$

Sequence: A168492
Score: 3.67657
Type of gen. func.: ogf

$\{(-96 n - 144) a(n + 1) + (76 n + 180) a(n + 2) + (-16 n - 58) a(n + 3)$

$+ (n + 5) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 7\}$

Sequence: A168492
Score: 9.25951
Type of gen. func.: ogf

$$6 f(x)^2 x^2 - 3 f(x)^2 x - 2 f(x) x + f(x) + 4 x - 1$$

Sequence: A168494
Score: 11.2996
Type of gen. func.: revogf

$$\frac{1}{2} - \frac{x}{2} - \frac{3 x^2}{2} - \frac{(9 x^4 + 6 x^3 + 7 x^2 - 6 x + 1)^{1/2}}{2}$$

Sequence: A168494
Score: 7.54841
Type of gen. func.: ogf

$$3 f(x)^2 x^2 - 3 f(x)^2 x + f(x) x + f(x) + x - 1$$

Sequence: A168503
Score: 14.4249
Type of gen. func.: revogf

$$1/4 - \frac{3 x^2}{4} - \frac{(9 x^4 + 18 x^2 - 8 x + 1)^{1/2}}{4}$$

Sequence: A168503
Score: 9.81283
Type of gen. func.: ogf

$$-3 f(x)^2 x^2 + 3 f(x)^2 x - f(x) - 2 x + 1$$

Sequence: A168505
Score: 8.89188
Type of gen. func.: ogf

$$-f(x)^2 x^2 + f(x)^2 x - f(x) x - f(x) + x + 1$$

Sequence: A168505
Score: 9.77366
Type of gen. func.: revogf

$$- 1/2 + x/2 + \frac{x^2}{2} + \frac{(x^4 + 2 x^3 - 5 x^2 + 2 x + 1)^{1/2}}{2}$$

Sequence: A168506
Score: 14.6382
Type of gen. func.: revogf

$$\frac{-2 - x^2 + x^3 + (x^4 - 4 x^3 + 4 x^2 + 4)^{1/2}}{x^4}$$

Sequence: A168520
Score: 11.1358
Type of gen. func.: ogf

$$-f(x) x^2 + 98 f(x) x - f(x) + 10 x$$

Sequence: A168520
Score: 13.4193
Type of gen. func.: revogf

$$-\frac{-49 x - 5 + (48 x + 5)^{1/2} (10 x + 1)^{1/2} 5^{1/2}}{x}$$

Sequence: A168520
Score: 17.4176
Type of gen. func.: ogf

$$\frac{10 x}{x^2 - 98 x + 1}$$

Sequence: A168520
Score: 29.1725
Type of gen. func.: lgdogf

$$-\frac{2 (-49 + x)}{x^2 - 98 x + 1}$$

Sequence: A168520
Score: 8.18416
Type of gen. func.: ogf

$$\{a(n + 2) - 98 a(n + 1) + a(n), a(0) = 0, a(1) = 10\}$$

Sequence: A168522
Score: 10.6283
Type of gen. func.: ogf

$$-2 f(x) x^2 + 98 f(x) x - f(x) + x$$

Sequence: A168522
Score: 11.0068

Type of gen. func.: revogf

$$-\frac{-1 - 98 x + (9596 x^2 + 196 x + 1)^{1/2}}{4 x}$$

Sequence: A168522
Score: 16.7140
Type of gen. func.: lgdogf

$$-\frac{2 (-49 + 2 x)}{2 x^2 - 98 x + 1}$$

Sequence: A168522
Score: 18.7558
Type of gen. func.: ogf

$$\frac{x}{2 x^2 - 98 x + 1}$$

Sequence: A168522
Score: 7.77678
Type of gen. func.: ogf

$$\{a(n + 2) - 98 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A168526
Score: 5.16271
Type of gen. func.: ogf

$$\frac{x (32 x^5 + 473 x^4 + 1208 x^3 + 718 x^2 + 88 x + 1)}{(x - 1)^8}$$

Sequence: A168526
Score: 7.27906
Type of gen. func.: lgdogf

$$-\frac{12\,(x+1)\,(8\,x^4+163\,x^3+498\,x^2+163\,x+8)}{(x-1)\,(32\,x^5+473\,x^4+1208\,x^3+718\,x^2+88\,x+1)}$$

Sequence: A168527
Score: 4.07361
Type of gen. func.: ogf

$$-\frac{x\,(x+1)\,(x^6+150\,x^5+2091\,x^4+5596\,x^3+2091\,x^2+150\,x+1)}{(x-1)^9}$$

Sequence: A168538
Score: 16.3644
Type of gen. func.: lgdogf

$$-\frac{2\,x^3-9\,x^2+16\,x-14}{(x-1)\,(x-2)\,(x^2-2\,x+2)}$$

Sequence: A168538
Score: 5.16529
Type of gen. func.: ogf

$$\{(n+6)\,a(n+1)+(-2\,n-9)\,a(n+2)+(n+3)\,a(n+3),\ a(0)=0,\ a(1)=24,\ a(2)=84\}$$

Sequence: A168538
Score: 8.29744
Type of gen. func.: ogf

$$\frac{6\,x\,(x-2)\,(x^2-2\,x+2)}{(x-1)^5}$$

Sequence: A168547
Score: 10.3572
Type of gen. func.: ogf

$$\frac{5 x^3 + 11 x^2 - x + 1}{(x - 1)^4}$$

Sequence: A168547
Score: 16.8747
Type of gen. func.: lgdogf

$$- \frac{5 x^3 + 37 x^2 + 19 x + 3}{(x - 1) (5 x^3 + 11 x^2 - x + 1)}$$

Sequence: A168547
Score: 4.14290
Type of gen. func.: ogf

$$\{(-493 n^2 - 2180 n - 2388) a(n + 1) + (434 n^2 + 142 n - 1713) a(n + 2)$$
$$+ (59 n^2 + 382 n + 615) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 17\}$$

Sequence: A168547
Score: 5.53332
Type of gen. func.: ogf

$$(12928 f(x) + 49631)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 5 x^3 - 4 f(x) x - 11 x^2 + f(x) + x - 1)$$

Sequence: A168555
Score: 3.75588
Type of gen. func.: ogf

$$x (224 x^7 + 7237 x^6 + 44334 x^5 + 78095 x^4 + 43900 x^3 + 7371 x^2 + 278 x + 1) \Big/ (x - 1)^{10}$$

Sequence: A168559
Score: 10.3938
Type of gen. func.: ogf

$$\frac{x (x^2 - 3 x + 4)}{(x - 1)^4}$$

Sequence: A168559
Score: 22.6525
Type of gen. func.: lgdogf

$$- \frac{2 x^2 - 7 x + 13}{(x - 1) (x^2 - 3 x + 4)}$$

Sequence: A168559
Score: 3.79374
Type of gen. func.: ogf

$$\{(12 + 4 n) a(n + 4) + (-27 - 7 n) a(n + 3) + (11 + 4 n) a(n + 2)$$
$$+ (-2 - n) a(n + 1), a(0) = 0, a(1) = 4, a(2) = 13, a(3) = 29\}$$

Sequence: A168559
Score: 5.5383
Type of gen. func.: ogf

$$(1728 f(x) + 25)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x + 3 x^2 + f(x) - 4 x)$$

Sequence: A168566
Score: 15.9802
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 9 x^2 + 12 x - 35}{(x - 1) (x^3 - 4 x^2 + 5 x - 8)}$$

Sequence: A168566
Score: 8.37257
Type of gen. func.: ogf

$$\frac{x (x^3 - 4 x^2 + 5 x - 8)}{(x - 1)^5}$$

Sequence: A168569
Score: 10.8023
Type of gen. func.: ogf

$$-3 f(x) x^2 + 4 f(x) x - f(x) + 9 x$$

Sequence: A168569
Score: 16.9644
Type of gen. func.: revogf

$$-\frac{-9 - 4 x + (4 x^2 + 72 x + 81)^{1/2}}{6 x}$$

Sequence: A168569
Score: 17.2254
Type of gen. func.: ogf

$$\frac{9 x}{(3 x - 1) (x - 1)}$$

Sequence: A168569
Score: 24.1416
Type of gen. func.: lgdogf

$$-\frac{2 (-2 + 3 x)}{(3 x - 1) (x - 1)}$$

Sequence: A168569
Score: 7.86837

Type of gen. func.: ogf

$$\{a(n+2) - 4 a(n+1) + 3 a(n), a(0) = 0, a(1) = 9\}$$

Sequence: A168571
Score: 10.9732
Type of gen. func.: ogf

$$-5 f(x) x^2 + 6 f(x) x - f(x) + 25 x$$

Sequence: A168571
Score: 13.9903
Type of gen. func.: revogf

$$-\frac{-25 - 6 x + (16 x^2 + 300 x + 625)^{1/2}}{10 x}$$

Sequence: A168571
Score: 17.3261
Type of gen. func.: ogf

$$\frac{25 x}{(5 x - 1) (x - 1)}$$

Sequence: A168571
Score: 23.5037
Type of gen. func.: lgdogf

$$-\frac{2 (-3 + 5 x)}{(5 x - 1) (x - 1)}$$

Sequence: A168571
Score: 8.02917
Type of gen. func.: ogf

$$\{a(n+2) - 6 a(n+1) + 5 a(n), a(0) = 0, a(1) = 25\}$$

Sequence: A168572
Score: 10.4851
Type of gen. func.: ogf

$$-7 f(x) x^2 + 8 f(x) x - f(x) + 49 x$$

Sequence: A168572
Score: 12.9418
Type of gen. func.: revogf

$$-\frac{-8 x - 49 + (36 x^2 + 784 x + 2401)^{1/2}}{14 x}$$

Sequence: A168572
Score: 16.5553
Type of gen. func.: ogf

$$\frac{49 x}{(7 x - 1) (x - 1)}$$

Sequence: A168572
Score: 21.4038
Type of gen. func.: lgdogf

$$-\frac{2 (-4 + 7 x)}{(7 x - 1) (x - 1)}$$

Sequence: A168572
Score: 7.67199
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 7 a(n), a(0) = 0, a(1) = 49\}$$

Sequence: A168574
Score: 10.4045
Type of gen. func.: ogf

$$x^3 + 11 x^2 + 3 x + 1$$

$$\frac{\qquad}{(x-1)^4}$$

Sequence: A168574
Score: 18.1090
Type of gen. func.: lgdogf

$$-\frac{(x+1)(x^2+24x+7)}{(x-1)(x^3+11x^2+3x+1)}$$

Sequence: A168574
Score: 4.24897
Type of gen. func.: ogf

$$\{(-127n^2-602n-696)a(n+1)+(86n^2-114n-621)a(n+2)$$

$$+(41n^2+212n+267)a(n+3),\ a(0)=1,\ a(1)=7,\ a(2)=33\}$$

Sequence: A168574
Score: 5.59692
Type of gen. func.: ogf

$$(3584 f(x)+18631)$$

$$(f(x)x^4-4f(x)x^3+6f(x)x^2-x^3-4f(x)x-11x^2+f(x)-3x-1)$$

Sequence: A168575
Score: 4.10451
Type of gen. func.: ogf

$$-\frac{1331000x^3-448440x^2+7557x-8}{(x-1)(100x-1)(1000x-1)(10x-1)}$$

Sequence: A168579
Score: 17.8907
Type of gen. func.: revogf

$$\frac{-x - 1 + (65 x^2 + 2 x + 1)^{1/2}}{32 x}$$

Sequence: A168579
Score: 18.2596
Type of gen. func.: ogf

$$- \frac{1}{16 x^2 + x - 1}$$

Sequence: A168579
Score: 27.6493
Type of gen. func.: lgdogf

$$- \frac{1 + 32 x}{16 x^2 + x - 1}$$

Sequence: A168579
Score: 7.21893
Type of gen. func.: ogf

$$(305 f(x) - 304) (16 f(x) x^2 + f(x) x - f(x) + 1)$$

Sequence: A168579
Score: 7.47984
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 16 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A168582
Score: 10.1577
Type of gen. func.: lgdogf

$$- \frac{x^5 + 7 x^4 + 16 x^3 + 4 x^2 + 3 x + 1}{(x - 1) (x + 1) (x^4 + 2 x^3 + 2 x^2 - 2 x + 1)}$$

Sequence: A168582
Score: 7.58686
Type of gen. func.: ogf

$$\frac{x^4 + 2 x^3 + 2 x^2 - 2 x + 1}{(x + 1) (x - 1)^4}$$

Sequence: A168583
Score: 11.8544
Type of gen. func.: ogf

$$- \frac{3 x^2 - 2 x + 1}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A168583
Score: 6.44712
Type of gen. func.: ogf

$$(13 f(x) + 19) (6 f(x) x^3 - 11 f(x) x^2 + 6 f(x) x + 3 x^2 - f(x) - 2 x + 1)$$

Sequence: A168583
Score: 6.44712
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 11 a(n + 1) - 6 a(n), a(0) = 1, a(1) = 4, a(2) = 16\}$$

Sequence: A168583
Score: 7.83873
Type of gen. func.: lgdogf

$$- \frac{2 (9 x^4 - 12 x^3 + 11 x^2 - 8 x + 2)}{(x - 1) (3 x - 1) (2 x - 1) (3 x^2 - 2 x + 1)}$$

Sequence: A168584
Score: 4.04376
Type of gen. func.: ogf

$$-(322057 f(x) + 53640)$$

$$(24 f(x) x^4 - 50 f(x) x^3 + 35 f(x) x^2 - 10 f(x) x - 6 x^2 + f(x) + 3 x - 1)$$

Sequence: A168584
Score: 6.56846
Type of gen. func.: lgdogf

$$-\frac{288 x^5 - 516 x^4 + 396 x^3 - 195 x^2 + 58 x - 7}{(x - 1) (-1 + 4 x) (3 x - 1) (2 x - 1) (6 x^2 - 3 x + 1)}$$

Sequence: A168584
Score: 8.08752
Type of gen. func.: ogf

$$\frac{6 x^2 - 3 x + 1}{(x - 1) (3 x - 1) (2 x - 1) (-1 + 4 x)}$$

Sequence: A168585
Score: 6.44430
Type of gen. func.: ogf

$$-\frac{10 x^2 - 4 x + 1}{(x - 1) (-1 + 4 x) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A168587
Score: 15.1075
Type of gen. func.: ogf

$$\frac{x (x^5 - x^4 - 4 x^3 + 2 x^2 - 2)}{x - 1}$$

Sequence: A168587
Score: 15.4393
Type of gen. func.: lgdogf

$$\frac{2 (2 x^5 - 4 x^4 - 2 x^3 + 7 x^2 - 2 x + 1)}{(x - 1) (x^5 - x^4 - 4 x^3 + 2 x^2 - 2)}$$

Sequence: A168589
Score: 13.1616
Type of gen. func.: ogf

$$\frac{5 x + 1}{(x + 1) (3 x + 1)}$$

Sequence: A168589
Score: 14.3727
Type of gen. func.: revogf

$$- \frac{-1 + 4 x + (4 x^2 + 12 x + 1)^{1/2}}{2 (-5 + 3 x)}$$

Sequence: A168589
Score: 16.2638
Type of gen. func.: lgdogf

$$- \frac{15 x^2 + 6 x - 1}{(5 x + 1) (3 x + 1) (x + 1)}$$

Sequence: A168589
Score: 6.80774
Type of gen. func.: ogf

$$(46 f(x) - 45) (3 f(x) x^2 + 4 f(x) x + f(x) - 5 x - 1)$$

Sequence: A168589
Score: 7.22285
Type of gen. func.: ogf

$\{a(n + 2) + 4 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 1\}$

Sequence: A168592
Score: 21.9640
Type of gen. func.: revogf

$$\frac{x (x - 1)^2}{(x^2 - x + 1) (x + 1)^2}$$

Sequence: A168596
Score: 10.5829
Type of gen. func.: revegf]

$$1/2 \ln(2 x + 15) - \operatorname{arctanh}((26 x + 196)^{1/2}) - 1/2 \ln(15) + \operatorname{arctanh}(14)$$

Sequence: A168596
Score: 14.4722
Type of gen. func.: ogf

$$- \frac{15 x - 14}{(2 x - 1) (x - 1)}$$

Sequence: A168596
Score: 16.2616
Type of gen. func.: lgdogf

$$- \frac{30 x^2 - 56 x + 27}{(x - 1) (2 x - 1) (15 x - 14)}$$

Sequence: A168596
Score: 7.2361
Type of gen. func.: ogf

$$-(25 f(x) + 379) (2 f(x) x^2 - 3 f(x) x + f(x) + 15 x - 14)$$

Sequence: A168596
Score: 8.09756
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 14, a(1) = 27\}$$

Sequence: A168604
Score: 23.0982
Type of gen. func.: revogf

$$-\frac{-1 - 3 x + (x^2 + 6 x + 1)^{1/2}}{4 x}$$

Sequence: A168604
Score: 23.5220
Type of gen. func.: ogf

$$\frac{1}{(2 x - 1) (x - 1)}$$

Sequence: A168604
Score: 33.1408
Type of gen. func.: lgdogf

$$-\frac{-3 + 4 x}{(2 x - 1) (x - 1)}$$

Sequence: A168604
Score: 9.46616
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A168604
Score: 9.58302
Type of gen. func.: ogf

$$(5 f(x) + 4) (2 f(x) x - 3 f(x) x + f(x) - 1)$$

Sequence: A168605
Score: 4.91146
Type of gen. func.: ogf

$$\{a(n + 4) - 6 a(n + 3) + 11 a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 8, a(3) = 30\}$$

Sequence: A168605
Score: 5.14168
Type of gen. func.: ogf

$$-(-145 + 229 f(x)) (6 f(x) x^{3} - 11 f(x) x^{2} - 2 x^{3} + 6 f(x) x + 7 x^{2} - f(x) - 4 x + 1)$$

Sequence: A168605
Score: 8.95978
Type of gen. func.: lgdogf

$$\frac{2 (10 x^{4} - 12 x^{3} + 7 x^{2} - 4 x + 1)}{(x - 1) (3 x - 1) (2 x - 1) (2 x^{3} - 7 x^{2} + 4 x - 1)}$$

Sequence: A168605
Score: 9.40194
Type of gen. func.: ogf

$$\frac{2 x^{3} - 7 x^{2} + 4 x - 1}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A168606
Score: 4.12565
Type of gen. func.: ogf

$$-(4461 f(x) + 2576) (24 f(x) x^{4} - 50 f(x) x^{3} + 35 f(x) x^{2} + 8 x^{3} - 10 f(x) x$$

2

$$- 15 x + f(x) + 6 x - 1)$$

Sequence: A168606
Score: 6.08471
Type of gen. func.: lgdogf

$$- \frac{2 (96 x^6 - 360 x^5 + 451 x^4 - 268 x^3 + 93 x^2 - 20 x + 2)}{(x - 1) (-1 + 4 x) (3 x - 1) (2 x - 1) (8 x^3 - 15 x^2 + 6 x - 1)}$$

Sequence: A168606
Score: 7.64754
Type of gen. func.: ogf

$$- \frac{8 x^3 - 15 x^2 + 6 x - 1}{(x - 1) (3 x - 1) (2 x - 1) (-1 + 4 x)}$$

Sequence: A168607
Score: 14.3356
Type of gen. func.: ogf

$$- \frac{7 x - 3}{(3 x - 1) (x - 1)}$$

Sequence: A168607
Score: 15.4164
Type of gen. func.: revogf

$$- \frac{-3 - 4 x + (4 x^2 - 4 x + 9)^{1/2}}{2 (7 + 3 x)}$$

Sequence: A168607
Score: 16.6335
Type of gen. func.: lgdogf

$$- \frac{21 x^2 - 18 x + 5}{(x - 1) (3 x - 1) (7 x - 3)}$$

Sequence: A168607
Score: 7.16781
Type of gen. func.: ogf

$$-(2 f(x) + 19) (3 f(x) x^2 - 4 f(x) x + f(x) + 7 x - 3)$$

Sequence: A168607
Score: 7.86712
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + 3 a(n), a(0) = 3, a(1) = 5\}$$

Sequence: A168608
Score: 11.8011
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2), a(0) = 4, a(1) = 9, a(2) = 6\}$$

Sequence: A168608
Score: 13.2172
Type of gen. func.: ogf

$$(f(x) - 4) (f(x) x - 3 x^2 - f(x) + 5 x + 4)$$

Sequence: A168608
Score: 22.0287
Type of gen. func.: ogf

$$\frac{3 x^2 - 5 x - 4}{x - 1}$$

Sequence: A168608
Score: 29.4751
Type of gen. func.: lgdogf

2

$$\frac{3 (x - 2 x + 3)}{(x - 1) (3 x^2 - 5 x - 4)}$$

Sequence: A168609
Score: 14.0240
Type of gen. func.: ogf

$$-\frac{13 x - 5}{(3 x - 1) (x - 1)}$$

Sequence: A168609
Score: 14.3653
Type of gen. func.: revogf

$$-\frac{-5 - 4 x + (4 x^2 - 12 x + 25)^{1/2}}{2 (13 + 3 x)}$$

Sequence: A168609
Score: 16.2070
Type of gen. func.: lgdogf

$$-\frac{39 x^2 - 30 x + 7}{(13 x - 5) (x - 1) (3 x - 1)}$$

Sequence: A168609
Score: 7.41498
Type of gen. func.: ogf

$$(2 f(x) - 59) (3 f(x) x^2 - 4 f(x) x + f(x) + 13 x - 5)$$

Sequence: A168609
Score: 7.86712
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + 3 a(n), a(0) = 5, a(1) = 7\}$$

Sequence: A168610
Score: 10.0797
Type of gen. func.: ogf

$$3 f(x) x^2 - 4 f(x) x + f(x) + 16 x - 6$$

Sequence: A168610
Score: 14.0240
Type of gen. func.: ogf

$$-\frac{2 (8 x - 3)}{(3 x - 1) (x - 1)}$$

Sequence: A168610
Score: 16.2070
Type of gen. func.: lgdogf

$$-\frac{2 (12 x^2 - 9 x + 2)}{(x - 1) (3 x - 1) (8 x - 3)}$$

Sequence: A168610
Score: 17.5575
Type of gen. func.: revogf

$$-\frac{-3 - 2 x + (x^2 - 4 x + 9)^{1/2}}{16 + 3 x}$$

Sequence: A168610
Score: 7.86712
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + 3 a(n), a(0) = 6, a(1) = 8\}$$

Sequence: A168611
Score: 13.8115
Type of gen. func.: revogf

$$\frac{-3 + 4 x + ((2 x + 9) (2 x + 1))^{1/2}}{2 (-11 + 3 x)}$$

Sequence: A168611
Score: 13.9532
Type of gen. func.: ogf

$$\frac{11 x - 3}{(3 x - 1) (x - 1)}$$

Sequence: A168611
Score: 15.8832
Type of gen. func.: lgdogf

$$- \frac{33 x^2 - 18 x + 1}{(x - 1) (3 x - 1) (11 x - 3)}$$

Sequence: A168611
Score: 6.90156
Type of gen. func.: ogf

$$-(66 f(x) + 197) (3 f(x) x^2 - 4 f(x) x + f(x) - 11 x + 3)$$

Sequence: A168611
Score: 7.82739
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + 3 a(n), a(0) = -3, a(1) = -1\}$$

Sequence: A168613
Score: 13.9532
Type of gen. func.: ogf

$$\frac{2 (7 x - 2)}{(3 x - 1) (x - 1)}$$

Sequence: A168613
Score: 15.8832
Type of gen. func.: lgdogf

$$-\frac{21 x^2 - 12 x + 1}{(x - 1) (3 x - 1) (7 x - 2)}$$

Sequence: A168613
Score: 17.6480
Type of gen. func.: revogf

$$\frac{-2 + 2 x + (x^2 + 6 x + 4)^{1/2}}{-14 + 3 x}$$

Sequence: A168613
Score: 7.13161
Type of gen. func.: ogf

$$-(f(x) + 3) (3 f(x) x^2 - 4 f(x) x + f(x) - 14 x + 4)$$

Sequence: A168613
Score: 7.82739
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + 3 a(n), a(0) = -4, a(1) = -2\}$$

Sequence: A168614
Score: 10.4497
Type of gen. func.: revegf]

$$1/2 \ln(2 x + 11) - \operatorname{arctanh}\left(\frac{(2 x + 36)^{1/2}}{5}\right) - 1/2 \ln(11) + \operatorname{arctanh}(6/5)$$

Sequence: A168614
Score: 15.2945
Type of gen. func.: ogf

$$-\frac{11x-6}{(2x-1)(x-1)}$$

Sequence: A168614
Score: 17.6842
Type of gen. func.: lgdogf

$$-\frac{22x^{2}-24x+7}{(x-1)(2x-1)(11x-6)}$$

Sequence: A168614
Score: 8.08672
Type of gen. func.: ogf

$$(3f(x)-67)(2f(x)x^{2}-3f(x)x+f(x)+11x-6)$$

Sequence: A168614
Score: 8.57982
Type of gen. func.: ogf

$$\{a(n+2)-3a(n+1)+2a(n),\ a(0)=6,\ a(1)=7\}$$

Sequence: A168615
Score: 12.8767
Type of gen. func.: ogf

$$\frac{7x^{2}+5x+1}{3x^{2}+3x+1}$$

Sequence: A168615
Score: 17.2988
Type of gen. func.: lgdogf

$$\frac{2(x+1)(3x+1)}{(7x^{2}+5x+1)(3x^{2}+3x+1)}$$

Sequence: A168615
Score: 6.69082
Type of gen. func.: ogf

$$\{a(n + 3) + 3 a(n + 2) + 3 a(n + 1), a(0) = 1, a(1) = 2, a(2) = -2\}$$

Sequence: A168615
Score: 9.61216
Type of gen. func.: ogf

$$3 f(x) x^2 + 3 f(x) x - 7 x^2 + f(x) - 5 x - 1$$

Sequence: A168616
Score: 15.5573
Type of gen. func.: ogf

$$\frac{9 x - 4}{(2 x - 1) (x - 1)}$$

Sequence: A168616
Score: 16.9906
Type of gen. func.: revogf

$$\frac{-4 + 3 x + (x^2 + 12 x + 16)^{1/2}}{2 (-9 + 2 x)}$$

Sequence: A168616
Score: 18.3319
Type of gen. func.: lgdogf

$$- \frac{18 x^2 - 16 x + 3}{(x - 1) (2 x - 1) (9 x - 4)}$$

Sequence: A168616
Score: 7.77865
Type of gen. func.: ogf

$$-(7 f(x) + 37) (2 f(x) x^2 - 3 f(x) x + f(x) - 9 x + 4)$$

Sequence: A168616
Score: 8.53755
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = -4, a(1) = -3\}$$

Sequence: A168617
Score: 11.9937
Type of gen. func.: ogf

$$\frac{x (-5 + 3 x)}{(2 x - 1) (x - 1)^2}$$

Sequence: A168617
Score: 17.2676
Type of gen. func.: lgdogf

$$-\frac{12 x^2 - 33 x + 17}{(-5 + 3 x) (x - 1) (2 x - 1)}$$

Sequence: A168617
Score: 6.10394
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 0, a(1) = 5, a(2) = 17\}$$

Sequence: A168617
Score: 6.27193
Type of gen. func.: ogf

$$(17 f(x) + 25) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x - 3 x^2 - f(x) + 5 x)$$

Sequence: A168624

Score: 3.23895
Type of gen. func.: ogf

$$(108535911 f(x) - 85503491)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 910 x^2 - f(x) - 20 x + 1)$$

Sequence: A168624
Score: 3.57852
Type of gen. func.: ogf

$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 1, a(1) = 91,$

$a(2) = 9901\}$

Sequence: A168624
Score: 5.16044
Type of gen. func.: lgdogf

$$- \frac{910000 x^4 - 40000 x^3 - 75810 x^2 - 400 x + 91}{(x - 1) (100 x - 1) (10 x - 1) (910 x^2 - 20 x + 1)}$$

Sequence: A168624
Score: 6.16300
Type of gen. func.: ogf

$$- \frac{910 x^2 - 20 x + 1}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A168635
Score: 4.29184
Type of gen. func.: ogf

$$- \frac{x (64 x^6 + 1611 x^5 + 7197 x^4 + 8422 x^3 + 2682 x^2 + 183 x + 1)}{(x - 1)^9}$$

Sequence: A168636

Score: 3.62545
Type of gen. func.: ogf

$$x(x^8+310x^7+7780x^6+44194x^5+76870x^4+44194x^3+7780x^2+310x+1)/(x-1)^{10}$$

Sequence: A168637
Score: 12.6051
Type of gen. func.: ogf

$$-\frac{x(x^2-2x-1)}{(x-1)(x^3+x^2-1)}$$

Sequence: A168637
Score: 13.9283
Type of gen. func.: lgdogf

$$-\frac{2x^5-6x^4-4x^3+3x^2+3}{(x-1)(x^2-2x-1)(x^3+x^2-1)}$$

Sequence: A168637
Score: 6.71581
Type of gen. func.: ogf

$$-(47 f(x)+146)(f(x)x^4-f(x)x^2+x^3-f(x)x-2x^2+f(x)-x)$$

Sequence: A168639
Score: 11.8531
Type of gen. func.: ogf

$$-\frac{x(x^3-x^2-1)}{(x-1)(x^4+x-1)}$$

Sequence: A168639
Score: 12.3182
Type of gen. func.: lgdogf

$$-\frac{2x^7-4x^6+2x^5-6x^4+8x^3-5x^2+2}{(x-1)(x^3-x^2-1)(x^4+x-1)}$$

Sequence: A168639
Score: 6.31586
Type of gen. func.: ogf

$$-(f(x)+5)(f(x)x^5-f(x)x^4+x^4+f(x)x^2-x^3-2f(x)x+f(x)-x)$$

Sequence: A168642
Score: 13.1528
Type of gen. func.: ogf

$$-\frac{(2x+1)^2}{(x+1)(2x-1)}$$

Sequence: A168642
Score: 22.7788
Type of gen. func.: lgdogf

$$-\frac{2x+5}{(2x+1)(2x-1)(x+1)}$$

Sequence: A168642
Score: 6.76796
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+2)+2a(n+1), a(0)=1, a(1)=5, a(2)=11\}$$

Sequence: A168642
Score: 7.11326
Type of gen. func.: ogf

$$-(8 + 17 f(x)) (2 f(x) x^2 + f(x) x + 4 x^2 - f(x) + 4 x + 1)$$

Sequence: A168648
Score: 13.3472
Type of gen. func.: ogf

$$-\frac{(2 x + 1) (3 x + 1)}{(x + 1) (2 x - 1)}$$

Sequence: A168648
Score: 15.0797
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^2 + 8 x + 3)}{(2 x + 1) (2 x - 1) (3 x + 1) (x + 1)}$$

Sequence: A168648
Score: 6.86798
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = 6, a(2) = 14\}$$

Sequence: A168648
Score: 7.44633
Type of gen. func.: ogf

$$(14 + 67 f(x)) (2 f(x) x^2 + f(x) x + 6 x^2 - f(x) + 5 x + 1)$$

Sequence: A168650
Score: 11.6982
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 1000$$

Sequence: A168650
Score: 20.1470

Type of gen. func.: ogf

$$\frac{1000}{(x - 1)^{2}}$$

Sequence: A168650
Score: 24.5197
Type of gen. func.: revogf

$$\frac{10\, x}{(50 + (2500 + 10\, x)^{1/2})^{2}}$$

Sequence: A168650
Score: 55.3367
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A168650
Score: 8.24194
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\, a(n + 1) - a(n), a(0) = 1000, a(1) = 2000\}$$

Sequence: A168650
Score: 88.8837
Type of gen. func.: lgdogf

$$- \frac{2}{x - 1}$$

Sequence: A168651
Score: 11.5011
Type of gen. func.: ogf

$$-f(x)\, x^{2} + 2\, f(x)\, x - f(x) + 10000$$

Sequence: A168651
Score: 19.5830
Type of gen. func.: ogf

$$\frac{10000}{(x-1)^2}$$

Sequence: A168651
Score: 30.9059
Type of gen. func.: revogf

$$\frac{x}{\left(50+(2500+x)^{1/2}\right)^2}$$

Sequence: A168651
Score: 55.2041
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A168651
Score: 8.05080
Type of gen. func.: ogf

$$\{-a(n+2)+2\,a(n+1)-a(n),\ a(0)=10000,\ a(1)=20000\}$$

Sequence: A168651
Score: 88.8545
Type of gen. func.: lgdogf

$$-\frac{2}{x-1}$$

Sequence: A168652
Score: 10.2834
Type of gen. func.: ogf

$$2$$

$$-f(x) x + 2 f(x) x - f(x) + 100000$$

Sequence: A168652
Score: 17.3194
Type of gen. func.: ogf

$$\frac{100000}{(x - 1)^{2}}$$

Sequence: A168652
Score: 20.1595
Type of gen. func.: revogf

$$\frac{10 x}{(500 + (250000 + 10 x)^{1/2})^{2}}$$

Sequence: A168652
Score: 50.0165
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A168652
Score: 7.15365
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 100000, a(1) = 200000\}$$

Sequence: A168652
Score: 80.6380
Type of gen. func.: lgdogf

$$- \frac{2}{x - 1}$$

Sequence: A168668
Score: 14.7251

Type of gen. func.: ogf

$$- \frac{x (7 + 3 x)}{(x - 1)^{3}}$$

Sequence: A168668
Score: 37.6265
Type of gen. func.: lgdogf

$$- \frac{6 (x + 4)}{(7 + 3 x) (x - 1)}$$

Sequence: A168668
Score: 7.23562
Type of gen. func.: ogf

$$(72700 f(x) - 294117) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 3 x^{2} - f(x) + 7 x)$$

Sequence: A168668
Score: 7.49404
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 7, a(2) = 24\}$$

Sequence: A168670
Score: 14.3114
Type of gen. func.: ogf

$$\frac{3 x^{2} + 7 x + 1}{(x + 1) (x - 1)^{2}}$$

Sequence: A168670
Score: 15.7211
Type of gen. func.: lgdogf

$$- \frac{12 x^{3} + 4 x^{2} - 37 x - 23}{}$$

$$(x - 1) (x + 1) (12 x^2 - 4 x - 19)$$

Sequence: A168670
Score: 7.72562
Type of gen. func.: ogf

$$(11 f(x) - 65) (f(x) x^3 - f(x) x^2 - f(x) x - 3 x^2 + f(x) - 7 x - 1)$$

Sequence: A168670
Score: 7.72562
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 8, a(2) = 12\}$$

Sequence: A168671
Score: 14.5776
Type of gen. func.: ogf

$$\frac{3 x^2 + 9 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A168671
Score: 15.6491
Type of gen. func.: lgdogf

$$- \frac{23 x^3 + 5 x^2 - 44 x - 36}{(x - 1) (x + 1) (23 x^2 - 9 x - 27)}$$

Sequence: A168671
Score: 7.60032
Type of gen. func.: ogf

$$(429 f(x) + 15347) (f(x) x^3 - f(x) x^2 - f(x) x - 3 x^2 + f(x) - 9 x - 1)$$

Sequence: A168671
Score: 7.80032
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 10, a(2) = 14\}$$

Sequence: A168672
Score: 14.5390
Type of gen. func.: ogf

$$\frac{4 x^2 + 11 x + 2}{(x + 1) (x - 1)^2}$$

Sequence: A168672
Score: 15.2819
Type of gen. func.: lgdogf

$$- \frac{36 x^3 + 24 x^2 - 75 x - 53}{(x - 1) (x + 1) (36 x^2 - 6 x - 47)}$$

Sequence: A168672
Score: 7.3286
Type of gen. func.: ogf

$$-(2737 f(x) - 57384) (f(x) x^3 - f(x) x^2 - f(x) x - 4 x^2 + f(x) - 11 x - 2)$$

Sequence: A168672
Score: 7.90718
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 13, a(2) = 19\}$$

Sequence: A168673
Score: 12.8396
Type of gen. func.: ogf

2

$$-\frac{x + x + 1}{(2 x - 1) (x^2 - x + 1)}$$

Sequence: A168673
Score: 6.93113
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 4, a(2) = 10\}$$

Sequence: A168673
Score: 6.99302
Type of gen. func.: ogf

$$(8 f(x) + 27) (2 f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + x + 1)$$

Sequence: A168674
Score: 15.8438
Type of gen. func.: ogf

$$-\frac{2 x (x - 2)}{(x - 1) (x^2 + x - 1)}$$

Sequence: A168674
Score: 19.6286
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 6 x^2 + 3}{(x - 2) (x - 1) (x^2 + x - 1)}$$

Sequence: A168674
Score: 8.34782
Type of gen. func.: ogf

$$-(3 f(x) + 8) (f(x) x^3 - 2 f(x) x + 2 x^2 + f(x) - 4 x)$$

Sequence: A168674
Score: 8.34783
Type of gen. func.: ogf

$$\{-a(n+3) + 2\,a(n+2) - a(n),\ a(0) = 0,\ a(1) = 4,\ a(2) = 6\}$$

Sequence: A168675
Score: 3.53138
Type of gen. func.: ogf

$$x\,(128\,x^{7} + 5281\,x^{6} + 38454\,x^{5} + 78095\,x^{4} + 49780\,x^{3} + 9327\,x^{2} + 374\,x + 1) \Big/ (x-1)^{10}$$

Sequence: A168677
Score: 11.1381
Type of gen. func.: ogf

$$-\frac{9\,x^{7} + x^{6} + x^{5} + x^{4} + 5\,x^{3} + x^{2} + x + 1}{(x-1)\,(x+1)\,(x^{2}+1)\,(x^{4}+1)}$$

Sequence: A168681
Score: 3.41082
Type of gen. func.: ogf

$$(4\,x^{16} + x^{15} + 2\,x^{9} + 2\,x^{8} + 2\,x^{7} + 2\,x^{6} + 2\,x^{5} + 2\,x^{4} + 2\,x^{3} + 2\,x^{2} + 2\,x + 2) \Big/ (x^{15} - 6\,x^{9} + 2\,x^{8} - 6\,x^{7} + 2\,x^{6} - 6\,x^{5} + 2\,x^{4} - 6\,x^{3} + 2\,x^{2} - 6\,x + 2)$$

Sequence: A168682
Score: 4.11160
Type of gen. func.: ogf

```
   16    15      7      6      5      4      3      2
5 x   + x   + 2 x  + 2 x  + 2 x  + 2 x  + 2 x  + 2 x  + 2 x + 2
----------------------------------------------------------------
     15      7      6      5      4      3      2
```

$$x - 8 x + 2 x - 8 x + 2 x - 8 x + 2 x - 8 x + 2$$

Sequence: A168683
Score: 4.69555
Type of gen. func.: ogf

$$\frac{6 x^{16} + x^{15} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{15} - 10 x^{5} + 2 x^{4} - 10 x^{3} + 2 x^{2} - 10 x + 2}$$

Sequence: A168684
Score: 6.18223
Type of gen. func.: ogf

$$\frac{7 x^{16} + x^{15} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{15} - 12 x^{3} + 2 x^{2} - 12 x + 2}$$

Sequence: A168685
Score: 5.21578
Type of gen. func.: ogf

$$-(f(x) - 1) (7 f(x) x - f(x) + x + 1) (7 f(x) x + f(x) - 15 x - 1)$$

Sequence: A168685
Score: 5.96089
Type of gen. func.: ogf

$$\frac{8 x^{16} + x^{15} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{15} - 14 x^{3} + 2 x^{2} - 14 x + 2}$$

Sequence: A168686
Score: 5.48326
Type of gen. func.: ogf

$$-(f(x) - 1) (8 f(x) x - f(x) + x + 1) (8 f(x) x + f(x) - 17 x - 1)$$

Sequence: A168686
Score: 6.26658
Type of gen. func.: ogf

$$\frac{9 x^{16} + x^{15} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{15} - 16 x^{3} + 2 x^{2} - 16 x + 2}$$

Sequence: A168687
Score: 8.56964
Type of gen. func.: ogf

$$(f(x) - 1)^{2} (9 f(x) x - f(x) + x + 1)$$

Sequence: A168687
Score: 8.69948
Type of gen. func.: ogf

$$\frac{10 x^{16} + x^{15} + 2 x + 2}{x^{15} - 18 x + 2}$$

Sequence: A168688
Score: 7.70766
Type of gen. func.: ogf

$$-(f(x) - 1) (10 f(x) x - f(x) + x + 1)$$

Sequence: A168688
Score: 8.40835
Type of gen. func.: ogf

$$\frac{11 x^{16} + x^{15} + 2 x + 2}{x^{15} - 20 x + 2}$$

Sequence: A168689

Score: 7.70766
Type of gen. func.: ogf

$$-(f(x) - 1) (11 f(x) x - f(x) + x + 1)$$

Sequence: A168689
Score: 8.40835
Type of gen. func.: ogf

$$\frac{12 x^{16} + x^{15} + 2 x + 2}{x^{15} - 22 x + 2}$$

Sequence: A168690
Score: 10.9017
Type of gen. func.: ogf

$$-12 f(x) x + f(x) - x - 1$$

Sequence: A168690
Score: 13.1968
Type of gen. func.: ogf

$$-\frac{x + 1}{12 x - 1}$$

Sequence: A168690
Score: 6.77673
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1), a(0) = 1, a(1) = 13\}$$

Sequence: A168691
Score: 11.1481
Type of gen. func.: ogf

$$-13 f(x) x + f(x) - x - 1$$

Sequence: A168691
Score: 13.4950
Type of gen. func.: ogf

$$-\frac{x + 1}{13 x - 1}$$

Sequence: A168691
Score: 6.92988
Type of gen. func.: ogf

{a(n + 2) - 13 a(n + 1), a(0) = 1, a(1) = 14}

Sequence: A168692
Score: 11.456
Type of gen. func.: ogf

$$-14 f(x) x + f(x) - x - 1$$

Sequence: A168692
Score: 13.8678
Type of gen. func.: ogf

$$-\frac{x + 1}{14 x - 1}$$

Sequence: A168692
Score: 7.12131
Type of gen. func.: ogf

{a(n + 2) - 14 a(n + 1), a(0) = 1, a(1) = 15}

Sequence: A168693
Score: 11.6408
Type of gen. func.: ogf

$$-15 f(x) x + f(x) - x - 1$$

Sequence: A168693

Score: 14.0915
Type of gen. func.: ogf

$$-\frac{x + 1}{15 x - 1}$$

Sequence: A168693
Score: 7.23618
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1), a(0) = 1, a(1) = 16\}$$

Sequence: A168694
Score: 11.9488
Type of gen. func.: ogf

$$-16 f(x) x + f(x) - x - 1$$

Sequence: A168694
Score: 14.4643
Type of gen. func.: ogf

$$-\frac{x + 1}{16 x - 1}$$

Sequence: A168694
Score: 7.42761
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 17\}$$

Sequence: A168695
Score: 12.1335
Type of gen. func.: ogf

$$-17 f(x) x + f(x) - x - 1$$

Sequence: A168695
Score: 14.6879

Type of gen. func.: ogf

$$-\frac{x + 1}{17 x - 1}$$

Sequence: A168695
Score: 7.54246
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1), a(0) = 1, a(1) = 18\}$$

Sequence: A168696
Score: 10.789
Type of gen. func.: ogf

$$-18 f(x) x + f(x) - x - 1$$

Sequence: A168696
Score: 13.0604
Type of gen. func.: ogf

$$-\frac{x + 1}{18 x - 1}$$

Sequence: A168696
Score: 6.70668
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1), a(0) = 1, a(1) = 19\}$$

Sequence: A168697
Score: 10.9095
Type of gen. func.: ogf

$$-19 f(x) x + f(x) - x - 1$$

Sequence: A168697
Score: 13.2063
Type of gen. func.: ogf

$$-\frac{x + 1}{19 x - 1}$$

Sequence: A168697
Score: 6.78161
Type of gen. func.: ogf

$$\{a(n + 2) - 19 a(n + 1), a(0) = 1, a(1) = 20\}$$

Sequence: A168698
Score: 11.0904
Type of gen. func.: ogf

$$-20 f(x) x + f(x) - x - 1$$

Sequence: A168698
Score: 13.4252
Type of gen. func.: ogf

$$-\frac{x + 1}{20 x - 1}$$

Sequence: A168698
Score: 6.89401
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1), a(0) = 1, a(1) = 21\}$$

Sequence: A168699
Score: 11.1506
Type of gen. func.: ogf

$$-21 f(x) x + f(x) - x - 1$$

Sequence: A168699
Score: 13.4981
Type of gen. func.: ogf

$$-\frac{x + 1}{21 x - 1}$$

Sequence: A168699
Score: 6.93147
Type of gen. func.: ogf

$$\{a(n + 2) - 21 a(n + 1), a(0) = 1, a(1) = 22\}$$

Sequence: A168700
Score: 11.452
Type of gen. func.: ogf

$$-22 f(x) x + f(x) - x - 1$$

Sequence: A168700
Score: 13.8629
Type of gen. func.: ogf

$$-\frac{x + 1}{22 x - 1}$$

Sequence: A168700
Score: 7.11881
Type of gen. func.: ogf

$$\{a(n + 2) - 22 a(n + 1), a(0) = 1, a(1) = 23\}$$

Sequence: A168701
Score: 11.5123
Type of gen. func.: ogf

$$-23 f(x) x + f(x) - x - 1$$

Sequence: A168701
Score: 13.9359
Type of gen. func.: ogf

```
                                      x + 1
                                   - --------
                                     23 x - 1



------------------------------------------------------------------------------

Sequence:  A168701
Score: 7.15628
Type of gen. func.: ogf


                 {a(n + 2) - 23 a(n + 1), a(0) = 1, a(1) = 24}



------------------------------------------------------------------------------

Sequence:  A168702
Score: 11.6328
Type of gen. func.: ogf


                           -24 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A168702
Score: 14.0818
Type of gen. func.: ogf


                                      x + 1
                                   - --------
                                     24 x - 1



------------------------------------------------------------------------------

Sequence:  A168702
Score: 7.23122
Type of gen. func.: ogf


                 {a(n + 2) - 24 a(n + 1), a(0) = 1, a(1) = 25}



------------------------------------------------------------------------------

Sequence:  A168703
Score: 11.7534
Type of gen. func.: ogf


                           -25 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A168703
Score: 14.2278
Type of gen. func.: ogf


                                      x + 1
                                   - --------
                                     25 x - 1



------------------------------------------------------------------------------

Sequence:  A168703
Score: 7.30615
Type of gen. func.: ogf


                 {a(n + 2) - 25 a(n + 1), a(0) = 1, a(1) = 26}



------------------------------------------------------------------------------

Sequence:  A168704
Score: 11.8739
Type of gen. func.: ogf


                           -26 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A168704
Score: 14.3737
Type of gen. func.: ogf


                                      x + 1
                                   - --------
                                     26 x - 1



------------------------------------------------------------------------------

Sequence:  A168704
Score: 7.38108
Type of gen. func.: ogf


                 {a(n + 2) - 26 a(n + 1), a(0) = 1, a(1) = 27}



------------------------------------------------------------------------------

Sequence:  A168705
Score: 12.0547
Type of gen. func.: ogf


                           -27 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A168705
Score: 14.5926
Type of gen. func.: ogf


                                      x + 1
                                   - --------
```

```
                                       27 x - 1



-----------------------------------------------------------------------------

Sequence:  A168705
Score: 7.49349
Type of gen. func.: ogf


                 {a(n + 2) - 27 a(n + 1), a(0) = 1, a(1) = 28}



-----------------------------------------------------------------------------

Sequence:  A168706
Score: 12.115
Type of gen. func.: ogf


                           -28 f(x) x + f(x) - x - 1



-----------------------------------------------------------------------------

Sequence:  A168706
Score: 14.6656
Type of gen. func.: ogf


                                        x + 1
                                     - --------
                                       28 x - 1



-----------------------------------------------------------------------------

Sequence:  A168706
Score: 7.53096
Type of gen. func.: ogf


                 {a(n + 2) - 28 a(n + 1), a(0) = 1, a(1) = 29}



-----------------------------------------------------------------------------

Sequence:  A168707
Score: 12.2356
Type of gen. func.: ogf


                           -29 f(x) x + f(x) - x - 1



-----------------------------------------------------------------------------

Sequence:  A168707
Score: 14.8115
Type of gen. func.: ogf


                                        x + 1
                                     - --------
                                       29 x - 1
```

Sequence: A168707
Score: 7.60589
Type of gen. func.: ogf

$$\{a(n + 2) - 29 a(n + 1), a(0) = 1, a(1) = 30\}$$

Sequence: A168708
Score: 12.2958
Type of gen. func.: ogf

$$-30 f(x) x + f(x) - x - 1$$

Sequence: A168708
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{30 x - 1}$$

Sequence: A168708
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 30 a(n + 1), a(0) = 1, a(1) = 31\}$$

Sequence: A168709
Score: 12.2958
Type of gen. func.: ogf

$$-31 f(x) x + f(x) - x - 1$$

Sequence: A168709
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{31 x - 1}$$

Sequence: A168709
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 31 a(n + 1), a(0) = 1, a(1) = 32\}$$

Sequence: A168710
Score: 12.7177
Type of gen. func.: ogf

$$-32 f(x) x + f(x) - x - 1$$

Sequence: A168710
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{32 x - 1}$$

Sequence: A168710
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 32 a(n + 1), a(0) = 1, a(1) = 33\}$$

Sequence: A168711
Score: 12.7177
Type of gen. func.: ogf

$$-33 f(x) x + f(x) - x - 1$$

Sequence: A168711
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{33 x - 1}$$

Sequence: A168711
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 33 a(n + 1), a(0) = 1, a(1) = 34\}$$

Sequence: A168712
Score: 12.7177
Type of gen. func.: ogf

$$-34 f(x) x + f(x) - x - 1$$

Sequence: A168712
Score: 15.3952
Type of gen. func.: ogf

$$- \frac{x + 1}{34 x - 1}$$

Sequence: A168712
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 34 a(n + 1), a(0) = 1, a(1) = 35\}$$

Sequence: A168713
Score: 12.8383
Type of gen. func.: ogf

$$-35 f(x) x + f(x) - x - 1$$

Sequence: A168713
Score: 15.5411
Type of gen. func.: ogf

$$- \frac{x + 1}{35 x - 1}$$

Sequence: A168713
Score: 7.98057
Type of gen. func.: ogf

$$\{a(n + 2) - 35 a(n + 1), a(0) = 1, a(1) = 36\}$$

Sequence: A168714
Score: 11.1854
Type of gen. func.: ogf

$$-36 f(x) x + f(x) - x - 1$$

Sequence: A168714
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{36 x - 1}$$

Sequence: A168714
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 36 a(n + 1), a(0) = 1, a(1) = 37\}$$

Sequence: A168715
Score: 11.1854
Type of gen. func.: ogf

$$-37 f(x) x + f(x) - x - 1$$

Sequence: A168715
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{37 x - 1}$$

Sequence: A168715
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 37 a(n + 1), a(0) = 1, a(1) = 38\}$$

Sequence: A168716
Score: 11.3032
Type of gen. func.: ogf

$$-38 f(x) x + f(x) - x - 1$$

Sequence: A168716
Score: 13.6828
Type of gen. func.: ogf

$$-\frac{x + 1}{38 x - 1}$$

Sequence: A168716
Score: 7.02630
Type of gen. func.: ogf

$$\{a(n + 2) - 38 a(n + 1), a(0) = 1, a(1) = 39\}$$

Sequence: A168717
Score: 11.362
Type of gen. func.: ogf

$$-39 f(x) x + f(x) - x - 1$$

Sequence: A168717
Score: 13.7541
Type of gen. func.: ogf

$$-\frac{x + 1}{39 x - 1}$$

```
Sequence:  A168717
Score: 7.06289
Type of gen. func.: ogf


                 {a(n + 2) - 39 a(n + 1), a(0) = 1, a(1) = 40}



--------------------------------------------------------------------------------

Sequence:  A168718
Score: 11.4798
Type of gen. func.: ogf


                           -40 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A168718
Score: 13.8966
Type of gen. func.: ogf


                                        x + 1
                                     - --------
                                       40 x - 1



--------------------------------------------------------------------------------

Sequence:  A168718
Score: 7.13608
Type of gen. func.: ogf


                 {a(n + 2) - 40 a(n + 1), a(0) = 1, a(1) = 41}



--------------------------------------------------------------------------------

Sequence:  A168719
Score: 11.4798
Type of gen. func.: ogf


                           -41 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A168719
Score: 13.8966
Type of gen. func.: ogf


                                        x + 1
                                     - --------
                                       41 x - 1



--------------------------------------------------------------------------------

Sequence:  A168719
```

```
Score: 7.13608
Type of gen. func.: ogf


                 {a(n + 2) - 41 a(n + 1), a(0) = 1, a(1) = 42}



--------------------------------------------------------------------------------

Sequence:  A168720
Score: 11.5386
Type of gen. func.: ogf


                           -42 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A168720
Score: 13.9678
Type of gen. func.: ogf


                                    x + 1
                                 - --------
                                   42 x - 1



--------------------------------------------------------------------------------

Sequence:  A168720
Score: 7.17268
Type of gen. func.: ogf


                 {a(n + 2) - 42 a(n + 1), a(0) = 1, a(1) = 43}



--------------------------------------------------------------------------------

Sequence:  A168721
Score: 11.5975
Type of gen. func.: ogf


                           -43 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A168721
Score: 14.0391
Type of gen. func.: ogf


                                    x + 1
                                 - --------
                                   43 x - 1



--------------------------------------------------------------------------------

Sequence:  A168721
Score: 7.20927
```

Type of gen. func.: ogf

$$\{a(n + 2) - 43 a(n + 1), a(0) = 1, a(1) = 44\}$$

Sequence: A168722
Score: 11.7153
Type of gen. func.: ogf

$$-44 f(x) x + f(x) - x - 1$$

Sequence: A168722
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{44 x - 1}$$

Sequence: A168722
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 44 a(n + 1), a(0) = 1, a(1) = 45\}$$

Sequence: A168723
Score: 11.7153
Type of gen. func.: ogf

$$-45 f(x) x + f(x) - x - 1$$

Sequence: A168723
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{45 x - 1}$$

Sequence: A168723
Score: 7.28246
Type of gen. func.: ogf

{a(n + 2) - 45 a(n + 1), a(0) = 1, a(1) = 46}

Sequence: A168724
Score: 11.7153
Type of gen. func.: ogf

-46 f(x) x + f(x) - x - 1

Sequence: A168724
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{46 x - 1}$$

Sequence: A168724
Score: 7.28246
Type of gen. func.: ogf

{a(n + 2) - 46 a(n + 1), a(0) = 1, a(1) = 47}

Sequence: A168725
Score: 11.9507
Type of gen. func.: ogf

-47 f(x) x + f(x) - x - 1

Sequence: A168725
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{47 x - 1}$$

Sequence: A168725
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 47 a(n + 1), a(0) = 1, a(1) = 48\}$$

Sequence: A168726
Score: 11.9507
Type of gen. func.: ogf

$$-48 f(x) x + f(x) - x - 1$$

Sequence: A168726
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{48 x - 1}$$

Sequence: A168726
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 48 a(n + 1), a(0) = 1, a(1) = 49\}$$

Sequence: A168727
Score: 11.9507
Type of gen. func.: ogf

$$-49 f(x) x + f(x) - x - 1$$

Sequence: A168727
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{49 x - 1}$$

Sequence: A168727
Score: 7.42884
Type of gen. func.: ogf

{a(n + 2) - 49 a(n + 1), a(0) = 1, a(1) = 50}

Sequence: A168729
Score: 4.09299
Type of gen. func.: ogf

$$\frac{4 x^{17} + x^{16} + 2 x^{7} + 2 x^{6} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{16} - 6 x^{7} + 2 x^{6} - 6 x^{5} + 2 x^{4} - 6 x^{3} + 2 x^{2} - 6 x + 2}$$

Sequence: A168730
Score: 5.13950
Type of gen. func.: ogf

$$\frac{5 x^{17} + x^{16} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{16} - 8 x^{5} + 2 x^{4} - 8 x^{3} + 2 x^{2} - 8 x + 2}$$

Sequence: A168731
Score: 6.27670
Type of gen. func.: ogf

$$\frac{6 x^{17} + x^{16} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{16} - 10 x^{3} + 2 x^{2} - 10 x + 2}$$

Sequence: A168732
Score: 6.18223
Type of gen. func.: ogf

$$\frac{7 x^{17} + x^{16} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{16} - 12 x^{3} + 2 x^{2} - 12 x + 2}$$

Sequence: A168733
Score: 8.71892
Type of gen. func.: ogf

$$(f(x)-1)^2\,(7\,f(x)\,x-f(x)+x+1)$$

Sequence: A168733
Score: 8.98718
Type of gen. func.: ogf

$$\frac{8\,x^{17}+x^{16}+2\,x+2}{x^{16}-14\,x+2}$$

Sequence: A168734
Score: 9.16605
Type of gen. func.: ogf

$$(f(x)-1)^2\,(8\,f(x)\,x-f(x)+x+1)$$

Sequence: A168734
Score: 9.44808
Type of gen. func.: ogf

$$\frac{9\,x^{17}+x^{16}+2\,x+2}{x^{16}-16\,x+2}$$

Sequence: A168735
Score: 8.08684
Type of gen. func.: ogf

$$-(f(x)-1)\,(9\,f(x)\,x-f(x)+x+1)$$

Sequence: A168735
Score: 8.69948
Type of gen. func.: ogf

$$\frac{10\,x^{17}+x^{16}+2\,x+2}{x^{16}-18\,x+2}$$

Sequence: A168736
Score: 12.0642
Type of gen. func.: ogf

$$-10 f(x) x + f(x) - x - 1$$

Sequence: A168736
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x + 1}{10 x - 1}$$

Sequence: A168736
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 11\}$$

Sequence: A168737
Score: 12.0642
Type of gen. func.: ogf

$$-11 f(x) x + f(x) - x - 1$$

Sequence: A168737
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x + 1}{11 x - 1}$$

Sequence: A168737
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1), a(0) = 1, a(1) = 12\}$$

Sequence: A168738
Score: 10.9017
Type of gen. func.: ogf

$$-12 f(x) x + f(x) - x - 1$$

Sequence: A168738
Score: 13.1968
Type of gen. func.: ogf

$$-\frac{x + 1}{12 x - 1}$$

Sequence: A168738
Score: 6.77673
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1), a(0) = 1, a(1) = 13\}$$

Sequence: A168739
Score: 11.1481
Type of gen. func.: ogf

$$-13 f(x) x + f(x) - x - 1$$

Sequence: A168739
Score: 13.4950
Type of gen. func.: ogf

$$-\frac{x + 1}{13 x - 1}$$

Sequence: A168739
Score: 6.92988
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1), a(0) = 1, a(1) = 14\}$$

Sequence: A168740
Score: 11.456
Type of gen. func.: ogf

$$-14 f(x) x + f(x) - x - 1$$

Sequence: A168740
Score: 13.8678
Type of gen. func.: ogf

$$-\frac{x + 1}{14 x - 1}$$

Sequence: A168740
Score: 7.12131
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1), a(0) = 1, a(1) = 15\}$$

Sequence: A168741
Score: 11.6408
Type of gen. func.: ogf

$$-15 f(x) x + f(x) - x - 1$$

Sequence: A168741
Score: 14.0915
Type of gen. func.: ogf

$$-\frac{x + 1}{15 x - 1}$$

Sequence: A168741
Score: 7.23618
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1), a(0) = 1, a(1) = 16\}$$

Sequence: A168742
Score: 11.9488
Type of gen. func.: ogf

$$-16 f(x) x + f(x) - x - 1$$

Sequence: A168742
Score: 14.4643
Type of gen. func.: ogf

$$-\frac{x + 1}{16 x - 1}$$

Sequence: A168742
Score: 7.42761
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 17\}$$

Sequence: A168743
Score: 12.1335
Type of gen. func.: ogf

$$-17 f(x) x + f(x) - x - 1$$

Sequence: A168743
Score: 14.6879
Type of gen. func.: ogf

$$-\frac{x + 1}{17 x - 1}$$

Sequence: A168743
Score: 7.54246
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1), a(0) = 1, a(1) = 18\}$$

Sequence: A168744
Score: 10.789
Type of gen. func.: ogf

$$-18 f(x) x + f(x) - x - 1$$

Sequence: A168744
Score: 13.0604
Type of gen. func.: ogf

$$-\frac{x + 1}{18 x - 1}$$

Sequence: A168744
Score: 6.70668
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1), a(0) = 1, a(1) = 19\}$$

Sequence: A168745
Score: 10.9095
Type of gen. func.: ogf

$$-19 f(x) x + f(x) - x - 1$$

Sequence: A168745
Score: 13.2063
Type of gen. func.: ogf

$$-\frac{x + 1}{19 x - 1}$$

Sequence: A168745
Score: 6.78161
Type of gen. func.: ogf

$$\{a(n + 2) - 19 a(n + 1), a(0) = 1, a(1) = 20\}$$

Sequence: A168746

Score: 11.0904
Type of gen. func.: ogf

$$-20 f(x) x + f(x) - x - 1$$

Sequence: A168746
Score: 13.4252
Type of gen. func.: ogf

$$-\frac{x + 1}{20 x - 1}$$

Sequence: A168746
Score: 6.89401
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1), a(0) = 1, a(1) = 21\}$$

Sequence: A168747
Score: 11.1506
Type of gen. func.: ogf

$$-21 f(x) x + f(x) - x - 1$$

Sequence: A168747
Score: 13.4981
Type of gen. func.: ogf

$$-\frac{x + 1}{21 x - 1}$$

Sequence: A168747
Score: 6.93147
Type of gen. func.: ogf

$$\{a(n + 2) - 21 a(n + 1), a(0) = 1, a(1) = 22\}$$

Sequence: A168748
Score: 11.452

Type of gen. func.: ogf

```
-22 f(x) x + f(x) - x - 1
```

Sequence: A168748
Score: 13.8629
Type of gen. func.: ogf

```
   x + 1
- --------
  22 x - 1
```

Sequence: A168748
Score: 7.11881
Type of gen. func.: ogf

```
{a(n + 2) - 22 a(n + 1), a(0) = 1, a(1) = 23}
```

Sequence: A168749
Score: 11.5123
Type of gen. func.: ogf

```
-23 f(x) x + f(x) - x - 1
```

Sequence: A168749
Score: 13.9359
Type of gen. func.: ogf

```
   x + 1
- --------
  23 x - 1
```

Sequence: A168749
Score: 7.15628
Type of gen. func.: ogf

```
{a(n + 2) - 23 a(n + 1), a(0) = 1, a(1) = 24}
```

Sequence: A168750
Score: 11.6328
Type of gen. func.: ogf

```
                           -24 f(x) x + f(x) - x - 1


------------------------------------------------------------------------------

Sequence:  A168750
Score: 14.0818
Type of gen. func.: ogf

                                      x + 1
                                   - --------
                                     24 x - 1


------------------------------------------------------------------------------

Sequence:  A168750
Score: 7.23122
Type of gen. func.: ogf

                 {a(n + 2) - 24 a(n + 1), a(0) = 1, a(1) = 25}


------------------------------------------------------------------------------

Sequence:  A168751
Score: 11.7534
Type of gen. func.: ogf

                           -25 f(x) x + f(x) - x - 1


------------------------------------------------------------------------------

Sequence:  A168751
Score: 14.2278
Type of gen. func.: ogf

                                      x + 1
                                   - --------
                                     25 x - 1


------------------------------------------------------------------------------

Sequence:  A168751
Score: 7.30615
Type of gen. func.: ogf

                 {a(n + 2) - 25 a(n + 1), a(0) = 1, a(1) = 26}


------------------------------------------------------------------------------

Sequence:  A168752
Score: 11.8739
Type of gen. func.: ogf
```

```
                        -26 f(x) x + f(x) - x - 1


--------------------------------------------------------------------------------

Sequence:  A168752
Score: 14.3737
Type of gen. func.: ogf

                                          x + 1
                                      - --------
                                         26 x - 1


--------------------------------------------------------------------------------

Sequence:  A168752
Score: 7.38108
Type of gen. func.: ogf

                 {a(n + 2) - 26 a(n + 1), a(0) = 1, a(1) = 27}


--------------------------------------------------------------------------------

Sequence:  A168753
Score: 12.0547
Type of gen. func.: ogf

                        -27 f(x) x + f(x) - x - 1


--------------------------------------------------------------------------------

Sequence:  A168753
Score: 14.5926
Type of gen. func.: ogf

                                          x + 1
                                      - --------
                                         27 x - 1


--------------------------------------------------------------------------------

Sequence:  A168753
Score: 7.49349
Type of gen. func.: ogf

                 {a(n + 2) - 27 a(n + 1), a(0) = 1, a(1) = 28}


--------------------------------------------------------------------------------

Sequence:  A168754
Score: 12.115
Type of gen. func.: ogf
```

$$-28 f(x) x + f(x) - x - 1$$

Sequence: A168754
Score: 14.6656
Type of gen. func.: ogf

$$-\frac{x + 1}{28 x - 1}$$

Sequence: A168754
Score: 7.53096
Type of gen. func.: ogf

$$\{a(n + 2) - 28 a(n + 1), a(0) = 1, a(1) = 29\}$$

Sequence: A168755
Score: 12.2356
Type of gen. func.: ogf

$$-29 f(x) x + f(x) - x - 1$$

Sequence: A168755
Score: 14.8115
Type of gen. func.: ogf

$$-\frac{x + 1}{29 x - 1}$$

Sequence: A168755
Score: 7.60589
Type of gen. func.: ogf

$$\{a(n + 2) - 29 a(n + 1), a(0) = 1, a(1) = 30\}$$

Sequence: A168756
Score: 12.2958
Type of gen. func.: ogf

$$-30 f(x) x + f(x) - x - 1$$

Sequence: A168756
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{30 x - 1}$$

Sequence: A168756
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 30 a(n + 1), a(0) = 1, a(1) = 31\}$$

Sequence: A168757
Score: 12.2958
Type of gen. func.: ogf

$$-31 f(x) x + f(x) - x - 1$$

Sequence: A168757
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{31 x - 1}$$

Sequence: A168757
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 31 a(n + 1), a(0) = 1, a(1) = 32\}$$

Sequence: A168758
Score: 12.7177
Type of gen. func.: ogf

$$-32 f(x) x + f(x) - x - 1$$

Sequence: A168758
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{32 x - 1}$$

Sequence: A168758
Score: 7.90562
Type of gen. func.: ogf

{a(n + 2) - 32 a(n + 1), a(0) = 1, a(1) = 33}

Sequence: A168759
Score: 12.7177
Type of gen. func.: ogf

$$-33 f(x) x + f(x) - x - 1$$

Sequence: A168759
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{33 x - 1}$$

Sequence: A168759
Score: 7.90562
Type of gen. func.: ogf

{a(n + 2) - 33 a(n + 1), a(0) = 1, a(1) = 34}

Sequence: A168760
Score: 12.7177
Type of gen. func.: ogf

$$-34 f(x) x + f(x) - x - 1$$

Sequence: A168760
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x+1}{34x-1}$$

Sequence: A168760
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n+2) - 34\,a(n+1),\ a(0) = 1,\ a(1) = 35\}$$

Sequence: A168761
Score: 12.8383
Type of gen. func.: ogf

$$-35\,f(x)\,x + f(x) - x - 1$$

Sequence: A168761
Score: 15.5411
Type of gen. func.: ogf

$$-\frac{x+1}{35x-1}$$

Sequence: A168761
Score: 7.98057
Type of gen. func.: ogf

$$\{a(n+2) - 35\,a(n+1),\ a(0) = 1,\ a(1) = 36\}$$

Sequence: A168762
Score: 11.1854
Type of gen. func.: ogf

$$-36\,f(x)\,x + f(x) - x - 1$$

Sequence: A168762
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{36 x - 1}$$

Sequence: A168762
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 36 a(n + 1), a(0) = 1, a(1) = 37\}$$

Sequence: A168763
Score: 11.1854
Type of gen. func.: ogf

$$-37 f(x) x + f(x) - x - 1$$

Sequence: A168763
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{37 x - 1}$$

Sequence: A168763
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 37 a(n + 1), a(0) = 1, a(1) = 38\}$$

Sequence: A168764
Score: 11.3032
Type of gen. func.: ogf

$$-38 f(x) x + f(x) - x - 1$$

Sequence: A168764
Score: 13.6828
Type of gen. func.: ogf

$$-\frac{x + 1}{38 x - 1}$$

Sequence: A168764
Score: 7.02630
Type of gen. func.: ogf

$$\{a(n + 2) - 38 a(n + 1), a(0) = 1, a(1) = 39\}$$

Sequence: A168765
Score: 11.362
Type of gen. func.: ogf

$$-39 f(x) x + f(x) - x - 1$$

Sequence: A168765
Score: 13.7541
Type of gen. func.: ogf

$$-\frac{x + 1}{39 x - 1}$$

Sequence: A168765
Score: 7.06289
Type of gen. func.: ogf

$$\{a(n + 2) - 39 a(n + 1), a(0) = 1, a(1) = 40\}$$

Sequence: A168766
Score: 11.4798
Type of gen. func.: ogf

$$-40 f(x) x + f(x) - x - 1$$

Sequence: A168766
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{40 x - 1}$$

Sequence: A168766
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 40 a(n + 1), a(0) = 1, a(1) = 41\}$$

Sequence: A168767
Score: 11.4798
Type of gen. func.: ogf

$$-41 f(x) x + f(x) - x - 1$$

Sequence: A168767
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{41 x - 1}$$

Sequence: A168767
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 41 a(n + 1), a(0) = 1, a(1) = 42\}$$

Sequence: A168768
Score: 11.5386
Type of gen. func.: ogf

$$-42 f(x) x + f(x) - x - 1$$

Sequence: A168768

```
Score: 13.9678
Type of gen. func.: ogf


                                          x + 1
                                       - --------
                                         42 x - 1



--------------------------------------------------------------------------------

Sequence:  A168768
Score: 7.17268
Type of gen. func.: ogf

                 {a(n + 2) - 42 a(n + 1), a(0) = 1, a(1) = 43}



--------------------------------------------------------------------------------

Sequence:  A168769
Score: 11.5975
Type of gen. func.: ogf

                           -43 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A168769
Score: 14.0391
Type of gen. func.: ogf


                                          x + 1
                                       - --------
                                         43 x - 1



--------------------------------------------------------------------------------

Sequence:  A168769
Score: 7.20927
Type of gen. func.: ogf

                 {a(n + 2) - 43 a(n + 1), a(0) = 1, a(1) = 44}



--------------------------------------------------------------------------------

Sequence:  A168770
Score: 11.7153
Type of gen. func.: ogf

                           -44 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A168770
Score: 14.1816
```

Type of gen. func.: ogf

$$-\frac{x + 1}{44 x - 1}$$

Sequence: A168770
Score: 7.28246
Type of gen. func.: ogf

{a(n + 2) - 44 a(n + 1), a(0) = 1, a(1) = 45}

Sequence: A168771
Score: 11.7153
Type of gen. func.: ogf

-45 f(x) x + f(x) - x - 1

Sequence: A168771
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{45 x - 1}$$

Sequence: A168771
Score: 7.28246
Type of gen. func.: ogf

{a(n + 2) - 45 a(n + 1), a(0) = 1, a(1) = 46}

Sequence: A168772
Score: 11.7153
Type of gen. func.: ogf

-46 f(x) x + f(x) - x - 1

Sequence: A168772
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{46 x - 1}$$

Sequence: A168772
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 46 a(n + 1), a(0) = 1, a(1) = 47\}$$

Sequence: A168773
Score: 11.9507
Type of gen. func.: ogf

$$-47 f(x) x + f(x) - x - 1$$

Sequence: A168773
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{47 x - 1}$$

Sequence: A168773
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 47 a(n + 1), a(0) = 1, a(1) = 48\}$$

Sequence: A168774
Score: 11.9507
Type of gen. func.: ogf

$$-48 f(x) x + f(x) - x - 1$$

Sequence: A168774
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{48 x - 1}$$

Sequence: A168774
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 48 a(n + 1), a(0) = 1, a(1) = 49\}$$

Sequence: A168775
Score: 11.9507
Type of gen. func.: ogf

$$-49 f(x) x + f(x) - x - 1$$

Sequence: A168775
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{49 x - 1}$$

Sequence: A168775
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 49 a(n + 1), a(0) = 1, a(1) = 50\}$$

Sequence: A168777
Score: 4.09299
Type of gen. func.: ogf

$$\frac{4 x^{18} + x^{17} + 2 x^{7} + 2 x^{6} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{17} - 6 x^{7} + 2 x^{6} - 6 x^{5} + 2 x^{4} - 6 x^{3} + 2 x^{2} - 6 x + 2}$$

Sequence: A168778

Score: 5.13950
Type of gen. func.: ogf

$$\frac{5 x^{18} + x^{17} + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{x^{17} - 8 x^5 + 2 x^4 - 8 x^3 + 2 x^2 - 8 x + 2}$$

Sequence: A168779
Score: 6.27670
Type of gen. func.: ogf

$$\frac{6 x^{18} + x^{17} + 2 x^3 + 2 x^2 + 2 x + 2}{x^{17} - 10 x^3 + 2 x^2 - 10 x + 2}$$

Sequence: A168780
Score: 9.32091
Type of gen. func.: ogf

$$\frac{7 x^{18} + x^{17} + 2 x + 2}{x^{17} - 12 x + 2}$$

Sequence: A168781
Score: 8.22772
Type of gen. func.: ogf

$$-(f(x) - 1) (7 f(x) x - f(x) + x + 1)$$

Sequence: A168781
Score: 8.98718
Type of gen. func.: ogf

$$\frac{8 x^{18} + x^{17} + 2 x + 2}{x^{17} - 14 x + 2}$$

Sequence: A168782

Score: 8.64965
Type of gen. func.: ogf

$$-(f(x) - 1) (8 f(x) x - f(x) + x + 1)$$

Sequence: A168782
Score: 9.44808
Type of gen. func.: ogf

$$\frac{9 x^{18} + x^{17} + 2 x + 2}{x^{17} - 16 x + 2}$$

Sequence: A168783
Score: 12.7592
Type of gen. func.: ogf

$$-9 f(x) x + f(x) - x - 1$$

Sequence: A168783
Score: 15.5180
Type of gen. func.: ogf

$$-\frac{x + 1}{9 x - 1}$$

Sequence: A168783
Score: 7.86529
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 10\}$$

Sequence: A168784
Score: 12.0642
Type of gen. func.: ogf

$$-10 f(x) x + f(x) - x - 1$$

Sequence: A168784
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x + 1}{10 x - 1}$$

Sequence: A168784
Score: 7.49934
Type of gen. func.: ogf

{a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 11}

Sequence: A168785
Score: 12.0642
Type of gen. func.: ogf

-11 f(x) x + f(x) - x - 1

Sequence: A168785
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x + 1}{11 x - 1}$$

Sequence: A168785
Score: 7.49934
Type of gen. func.: ogf

{a(n + 2) - 11 a(n + 1), a(0) = 1, a(1) = 12}

Sequence: A168786
Score: 10.9017
Type of gen. func.: ogf

-12 f(x) x + f(x) - x - 1

Sequence: A168786

Score: 13.1968
Type of gen. func.: ogf

$$-\frac{x + 1}{12 x - 1}$$

Sequence: A168786
Score: 6.77673
Type of gen. func.: ogf

{a(n + 2) - 12 a(n + 1), a(0) = 1, a(1) = 13}

Sequence: A168787
Score: 11.1481
Type of gen. func.: ogf

-13 f(x) x + f(x) - x - 1

Sequence: A168787
Score: 13.4950
Type of gen. func.: ogf

$$-\frac{x + 1}{13 x - 1}$$

Sequence: A168787
Score: 6.92988
Type of gen. func.: ogf

{a(n + 2) - 13 a(n + 1), a(0) = 1, a(1) = 14}

Sequence: A168788
Score: 11.456
Type of gen. func.: ogf

-14 f(x) x + f(x) - x - 1

Sequence: A168788
Score: 13.8678

Type of gen. func.: ogf

$$-\frac{x + 1}{14 x - 1}$$

Sequence: A168788
Score: 7.12131
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1), a(0) = 1, a(1) = 15\}$$

Sequence: A168789
Score: 11.6408
Type of gen. func.: ogf

$$-15 f(x) x + f(x) - x - 1$$

Sequence: A168789
Score: 14.0915
Type of gen. func.: ogf

$$-\frac{x + 1}{15 x - 1}$$

Sequence: A168789
Score: 7.23618
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1), a(0) = 1, a(1) = 16\}$$

Sequence: A168790
Score: 11.9488
Type of gen. func.: ogf

$$-16 f(x) x + f(x) - x - 1$$

Sequence: A168790
Score: 14.4643
Type of gen. func.: ogf

$$-\frac{x + 1}{16 x - 1}$$

Sequence: A168790
Score: 7.42761
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 17\}$$

Sequence: A168791
Score: 12.1335
Type of gen. func.: ogf

$$-17 f(x) x + f(x) - x - 1$$

Sequence: A168791
Score: 14.6879
Type of gen. func.: ogf

$$-\frac{x + 1}{17 x - 1}$$

Sequence: A168791
Score: 7.54246
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1), a(0) = 1, a(1) = 18\}$$

Sequence: A168792
Score: 10.789
Type of gen. func.: ogf

$$-18 f(x) x + f(x) - x - 1$$

Sequence: A168792
Score: 13.0604
Type of gen. func.: ogf

$$-\frac{x+1}{18x-1}$$

Sequence: A168792
Score: 6.70668
Type of gen. func.: ogf

{a(n + 2) - 18 a(n + 1), a(0) = 1, a(1) = 19}

Sequence: A168793
Score: 10.9095
Type of gen. func.: ogf

-19 f(x) x + f(x) - x - 1

Sequence: A168793
Score: 13.2063
Type of gen. func.: ogf

$$-\frac{x+1}{19x-1}$$

Sequence: A168793
Score: 6.78161
Type of gen. func.: ogf

{a(n + 2) - 19 a(n + 1), a(0) = 1, a(1) = 20}

Sequence: A168794
Score: 11.0904
Type of gen. func.: ogf

-20 f(x) x + f(x) - x - 1

Sequence: A168794
Score: 13.4252
Type of gen. func.: ogf

```
     x + 1
  - --------
    20 x - 1
```

Sequence: A168794
Score: 6.89401
Type of gen. func.: ogf

```
{a(n + 2) - 20 a(n + 1), a(0) = 1, a(1) = 21}
```

Sequence: A168795
Score: 11.1506
Type of gen. func.: ogf

```
-21 f(x) x + f(x) - x - 1
```

Sequence: A168795
Score: 13.4981
Type of gen. func.: ogf

```
     x + 1
  - --------
    21 x - 1
```

Sequence: A168795
Score: 6.93147
Type of gen. func.: ogf

```
{a(n + 2) - 21 a(n + 1), a(0) = 1, a(1) = 22}
```

Sequence: A168796
Score: 11.452
Type of gen. func.: ogf

```
-22 f(x) x + f(x) - x - 1
```

Sequence: A168796
Score: 13.8629
Type of gen. func.: ogf

```
     x + 1
```

```
                                   - --------
                                     22 x - 1



------------------------------------------------------------------------------

Sequence:  A168796
Score: 7.11881
Type of gen. func.: ogf


                 {a(n + 2) - 22 a(n + 1), a(0) = 1, a(1) = 23}



------------------------------------------------------------------------------

Sequence:  A168797
Score: 11.5123
Type of gen. func.: ogf


                           -23 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A168797
Score: 13.9359
Type of gen. func.: ogf


                                      x + 1
                                   - --------
                                     23 x - 1



------------------------------------------------------------------------------

Sequence:  A168797
Score: 7.15628
Type of gen. func.: ogf


                 {a(n + 2) - 23 a(n + 1), a(0) = 1, a(1) = 24}



------------------------------------------------------------------------------

Sequence:  A168798
Score: 11.6328
Type of gen. func.: ogf


                           -24 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A168798
Score: 14.0818
Type of gen. func.: ogf


                                      x + 1
                                   - --------
```

```
                                        24 x - 1



--------------------------------------------------------------------------------

Sequence:  A168798
Score: 7.23122
Type of gen. func.: ogf


                  {a(n + 2) - 24 a(n + 1), a(0) = 1, a(1) = 25}



--------------------------------------------------------------------------------

Sequence:  A168799
Score: 11.7534
Type of gen. func.: ogf


                            -25 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A168799
Score: 14.2278
Type of gen. func.: ogf


                                         x + 1
                                      - --------
                                        25 x - 1



--------------------------------------------------------------------------------

Sequence:  A168799
Score: 7.30615
Type of gen. func.: ogf


                  {a(n + 2) - 25 a(n + 1), a(0) = 1, a(1) = 26}



--------------------------------------------------------------------------------

Sequence:  A168800
Score: 11.8739
Type of gen. func.: ogf


                            -26 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A168800
Score: 14.3737
Type of gen. func.: ogf


                                         x + 1
                                      - --------
                                        26 x - 1
```

Sequence: A168800
Score: 7.38108
Type of gen. func.: ogf

$$\{a(n + 2) - 26 a(n + 1), a(0) = 1, a(1) = 27\}$$

Sequence: A168801
Score: 12.0547
Type of gen. func.: ogf

$$-27 f(x) x + f(x) - x - 1$$

Sequence: A168801
Score: 14.5926
Type of gen. func.: ogf

$$-\frac{x + 1}{27 x - 1}$$

Sequence: A168801
Score: 7.49349
Type of gen. func.: ogf

$$\{a(n + 2) - 27 a(n + 1), a(0) = 1, a(1) = 28\}$$

Sequence: A168802
Score: 12.115
Type of gen. func.: ogf

$$-28 f(x) x + f(x) - x - 1$$

Sequence: A168802
Score: 14.6656
Type of gen. func.: ogf

$$-\frac{x + 1}{28 x - 1}$$

Sequence: A168802
Score: 7.53096
Type of gen. func.: ogf

$$\{a(n + 2) - 28 a(n + 1), a(0) = 1, a(1) = 29\}$$

Sequence: A168803
Score: 12.2356
Type of gen. func.: ogf

$$-29 f(x) x + f(x) - x - 1$$

Sequence: A168803
Score: 14.8115
Type of gen. func.: ogf

$$- \frac{x + 1}{29 x - 1}$$

Sequence: A168803
Score: 7.60589
Type of gen. func.: ogf

$$\{a(n + 2) - 29 a(n + 1), a(0) = 1, a(1) = 30\}$$

Sequence: A168804
Score: 12.2958
Type of gen. func.: ogf

$$-30 f(x) x + f(x) - x - 1$$

Sequence: A168804
Score: 14.8844
Type of gen. func.: ogf

$$- \frac{x + 1}{30 x - 1}$$

Sequence: A168804
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 30\, a(n + 1), a(0) = 1, a(1) = 31\}$$

Sequence: A168805
Score: 12.2958
Type of gen. func.: ogf

$$-31\, f(x)\, x + f(x) - x - 1$$

Sequence: A168805
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{31\, x - 1}$$

Sequence: A168805
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 31\, a(n + 1), a(0) = 1, a(1) = 32\}$$

Sequence: A168806
Score: 12.7177
Type of gen. func.: ogf

$$-32\, f(x)\, x + f(x) - x - 1$$

Sequence: A168806
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{32\, x - 1}$$

Sequence: A168806
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 32 a(n + 1), a(0) = 1, a(1) = 33\}$$

Sequence: A168807
Score: 12.7177
Type of gen. func.: ogf

$$-33 f(x) x + f(x) - x - 1$$

Sequence: A168807
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{33 x - 1}$$

Sequence: A168807
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 33 a(n + 1), a(0) = 1, a(1) = 34\}$$

Sequence: A168808
Score: 12.7177
Type of gen. func.: ogf

$$-34 f(x) x + f(x) - x - 1$$

Sequence: A168808
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{34 x - 1}$$

Sequence: A168808
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 34 a(n + 1), a(0) = 1, a(1) = 35\}$$

Sequence: A168809
Score: 12.8383
Type of gen. func.: ogf

$$-35 f(x) x + f(x) - x - 1$$

Sequence: A168809
Score: 15.5411
Type of gen. func.: ogf

$$-\frac{x + 1}{35 x - 1}$$

Sequence: A168809
Score: 7.98057
Type of gen. func.: ogf

$$\{a(n + 2) - 35 a(n + 1), a(0) = 1, a(1) = 36\}$$

Sequence: A168810
Score: 11.1854
Type of gen. func.: ogf

$$-36 f(x) x + f(x) - x - 1$$

Sequence: A168810
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{36 x - 1}$$

Sequence: A168810
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 36 a(n + 1), a(0) = 1, a(1) = 37\}$$

Sequence: A168811
Score: 11.1854
Type of gen. func.: ogf

$$-37 f(x) x + f(x) - x - 1$$

Sequence: A168811
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{37 x - 1}$$

Sequence: A168811
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 37 a(n + 1), a(0) = 1, a(1) = 38\}$$

Sequence: A168812
Score: 11.3032
Type of gen. func.: ogf

$$-38 f(x) x + f(x) - x - 1$$

Sequence: A168812
Score: 13.6828
Type of gen. func.: ogf

$$-\frac{x + 1}{38 x - 1}$$

Sequence: A168812

Score: 7.02630
Type of gen. func.: ogf

$$\{a(n + 2) - 38 a(n + 1), a(0) = 1, a(1) = 39\}$$

Sequence: A168813
Score: 11.362
Type of gen. func.: ogf

$$-39 f(x) x + f(x) - x - 1$$

Sequence: A168813
Score: 13.7541
Type of gen. func.: ogf

$$-\frac{x + 1}{39 x - 1}$$

Sequence: A168813
Score: 7.06289
Type of gen. func.: ogf

$$\{a(n + 2) - 39 a(n + 1), a(0) = 1, a(1) = 40\}$$

Sequence: A168814
Score: 11.4798
Type of gen. func.: ogf

$$-40 f(x) x + f(x) - x - 1$$

Sequence: A168814
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{40 x - 1}$$

Sequence: A168814
Score: 7.13608

Type of gen. func.: ogf

{a(n + 2) - 40 a(n + 1), a(0) = 1, a(1) = 41}

Sequence: A168815
Score: 11.4798
Type of gen. func.: ogf

-41 f(x) x + f(x) - x - 1

Sequence: A168815
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{41 x - 1}$$

Sequence: A168815
Score: 7.13608
Type of gen. func.: ogf

{a(n + 2) - 41 a(n + 1), a(0) = 1, a(1) = 42}

Sequence: A168816
Score: 11.5386
Type of gen. func.: ogf

-42 f(x) x + f(x) - x - 1

Sequence: A168816
Score: 13.9678
Type of gen. func.: ogf

$$-\frac{x + 1}{42 x - 1}$$

Sequence: A168816
Score: 7.17268
Type of gen. func.: ogf

$$\{a(n + 2) - 42 a(n + 1), a(0) = 1, a(1) = 43\}$$

Sequence: A168817
Score: 11.5975
Type of gen. func.: ogf

$$-43 f(x) x + f(x) - x - 1$$

Sequence: A168817
Score: 14.0391
Type of gen. func.: ogf

$$-\frac{x + 1}{43 x - 1}$$

Sequence: A168817
Score: 7.20927
Type of gen. func.: ogf

$$\{a(n + 2) - 43 a(n + 1), a(0) = 1, a(1) = 44\}$$

Sequence: A168818
Score: 11.7153
Type of gen. func.: ogf

$$-44 f(x) x + f(x) - x - 1$$

Sequence: A168818
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{44 x - 1}$$

Sequence: A168818
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 44 a(n + 1), a(0) = 1, a(1) = 45\}$$

Sequence: A168819
Score: 11.7153
Type of gen. func.: ogf

$$-45 f(x) x + f(x) - x - 1$$

Sequence: A168819
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{45 x - 1}$$

Sequence: A168819
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 45 a(n + 1), a(0) = 1, a(1) = 46\}$$

Sequence: A168820
Score: 11.7153
Type of gen. func.: ogf

$$-46 f(x) x + f(x) - x - 1$$

Sequence: A168820
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{46 x - 1}$$

Sequence: A168820
Score: 7.28246
Type of gen. func.: ogf

{a(n + 2) - 46 a(n + 1), a(0) = 1, a(1) = 47}

Sequence: A168821
Score: 11.9507
Type of gen. func.: ogf

$$-47 f(x) x + f(x) - x - 1$$

Sequence: A168821
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{47 x - 1}$$

Sequence: A168821
Score: 7.42884
Type of gen. func.: ogf

{a(n + 2) - 47 a(n + 1), a(0) = 1, a(1) = 48}

Sequence: A168822
Score: 11.9507
Type of gen. func.: ogf

$$-48 f(x) x + f(x) - x - 1$$

Sequence: A168822
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{48 x - 1}$$

Sequence: A168822
Score: 7.42884
Type of gen. func.: ogf

{a(n + 2) - 48 a(n + 1), a(0) = 1, a(1) = 49}

Sequence: A168823
Score: 11.9507
Type of gen. func.: ogf

$$-49 f(x) x + f(x) - x - 1$$

Sequence: A168823
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{49 x - 1}$$

Sequence: A168823
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 49 a(n + 1), a(0) = 1, a(1) = 50\}$$

Sequence: A168825
Score: 5.11623
Type of gen. func.: ogf

$$\frac{4 x^{19} + x^{18} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{18} - 6 x^{5} + 2 x^{4} - 6 x^{3} + 2 x^{2} - 6 x + 2}$$

Sequence: A168826
Score: 6.85267
Type of gen. func.: ogf

$$\frac{5 x^{19} + x^{18} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{18} - 8 x^{3} + 2 x^{2} - 8 x + 2}$$

Sequence: A168827

Score: 9.46334
Type of gen. func.: ogf

$$\frac{6 x^{19} + x^{18} + 2 x + 2}{x^{18} - 10 x + 2}$$

Sequence: A168828
Score: 9.32091
Type of gen. func.: ogf

$$\frac{7 x^{19} + x^{18} + 2 x + 2}{x^{18} - 12 x + 2}$$

Sequence: A168829
Score: 12.9815
Type of gen. func.: ogf

$$-7 f(x) x + f(x) - x - 1$$

Sequence: A168829
Score: 15.7883
Type of gen. func.: ogf

$$-\frac{x + 1}{7 x - 1}$$

Sequence: A168829
Score: 8.11343
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1), a(0) = 1, a(1) = 8\}$$

Sequence: A168830
Score: 13.6472
Type of gen. func.: ogf

$$-8 f(x) x + f(x) - x - 1$$

Sequence: A168830
Score: 16.5980
Type of gen. func.: ogf

$$-\frac{x + 1}{8 x - 1}$$

Sequence: A168830
Score: 8.52951
Type of gen. func.: ogf

{a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 9}

Sequence: A168831
Score: 12.7592
Type of gen. func.: ogf

$$-9 f(x) x + f(x) - x - 1$$

Sequence: A168831
Score: 15.5180
Type of gen. func.: ogf

$$-\frac{x + 1}{9 x - 1}$$

Sequence: A168831
Score: 7.86529
Type of gen. func.: ogf

{a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 10}

Sequence: A168832
Score: 12.0642
Type of gen. func.: ogf

$$-10 f(x) x + f(x) - x - 1$$

Sequence: A168832
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x + 1}{10 x - 1}$$

Sequence: A168832
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 11\}$$

Sequence: A168833
Score: 12.0642
Type of gen. func.: ogf

$$-11 f(x) x + f(x) - x - 1$$

Sequence: A168833
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x + 1}{11 x - 1}$$

Sequence: A168833
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1), a(0) = 1, a(1) = 12\}$$

Sequence: A168834
Score: 10.9017
Type of gen. func.: ogf

$$-12 f(x) x + f(x) - x - 1$$

Sequence: A168834
Score: 13.1968
Type of gen. func.: ogf

$$-\frac{x + 1}{12 x - 1}$$

Sequence: A168834
Score: 6.77673
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1), a(0) = 1, a(1) = 13\}$$

Sequence: A168835
Score: 11.1481
Type of gen. func.: ogf

$$-13 f(x) x + f(x) - x - 1$$

Sequence: A168835
Score: 13.4950
Type of gen. func.: ogf

$$-\frac{x + 1}{13 x - 1}$$

Sequence: A168835
Score: 6.92988
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1), a(0) = 1, a(1) = 14\}$$

Sequence: A168836
Score: 11.456
Type of gen. func.: ogf

$$-14 f(x) x + f(x) - x - 1$$

Sequence: A168836
Score: 13.8678
Type of gen. func.: ogf

$$-\frac{x + 1}{14 x - 1}$$

Sequence: A168836
Score: 7.12131
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1), a(0) = 1, a(1) = 15\}$$

Sequence: A168837
Score: 11.6408
Type of gen. func.: ogf

$$-15 f(x) x + f(x) - x - 1$$

Sequence: A168837
Score: 14.0915
Type of gen. func.: ogf

$$-\frac{x + 1}{15 x - 1}$$

Sequence: A168837
Score: 7.23618
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1), a(0) = 1, a(1) = 16\}$$

Sequence: A168838
Score: 11.9488
Type of gen. func.: ogf

$$-16 f(x) x + f(x) - x - 1$$

Sequence: A168838
Score: 14.4643
Type of gen. func.: ogf

$$-\frac{x + 1}{16 x - 1}$$

Sequence: A168838
Score: 7.42761
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 17\}$$

Sequence: A168839
Score: 12.1335
Type of gen. func.: ogf

$$-17 f(x) x + f(x) - x - 1$$

Sequence: A168839
Score: 14.6879
Type of gen. func.: ogf

$$-\frac{x + 1}{17 x - 1}$$

Sequence: A168839
Score: 7.54246
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1), a(0) = 1, a(1) = 18\}$$

Sequence: A168840
Score: 10.789
Type of gen. func.: ogf

$$-18 f(x) x + f(x) - x - 1$$

Sequence: A168840

Score: 13.0604
Type of gen. func.: ogf

```
   x + 1
- --------
  18 x - 1
```

Sequence: A168840
Score: 6.70668
Type of gen. func.: ogf

{a(n + 2) - 18 a(n + 1), a(0) = 1, a(1) = 19}

Sequence: A168841
Score: 10.9095
Type of gen. func.: ogf

-19 f(x) x + f(x) - x - 1

Sequence: A168841
Score: 13.2063
Type of gen. func.: ogf

```
   x + 1
- --------
  19 x - 1
```

Sequence: A168841
Score: 6.78161
Type of gen. func.: ogf

{a(n + 2) - 19 a(n + 1), a(0) = 1, a(1) = 20}

Sequence: A168842
Score: 11.0904
Type of gen. func.: ogf

-20 f(x) x + f(x) - x - 1

Sequence: A168842
Score: 13.4252

Type of gen. func.: ogf

$$-\frac{x + 1}{20 x - 1}$$

Sequence: A168842
Score: 6.89401
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1), a(0) = 1, a(1) = 21\}$$

Sequence: A168843
Score: 11.1506
Type of gen. func.: ogf

$$-21 f(x) x + f(x) - x - 1$$

Sequence: A168843
Score: 13.4981
Type of gen. func.: ogf

$$-\frac{x + 1}{21 x - 1}$$

Sequence: A168843
Score: 6.93147
Type of gen. func.: ogf

$$\{a(n + 2) - 21 a(n + 1), a(0) = 1, a(1) = 22\}$$

Sequence: A168844
Score: 11.452
Type of gen. func.: ogf

$$-22 f(x) x + f(x) - x - 1$$

Sequence: A168844
Score: 13.8629
Type of gen. func.: ogf

$$-\frac{x + 1}{22 x - 1}$$

Sequence: A168844
Score: 7.11881
Type of gen. func.: ogf

{a(n + 2) - 22 a(n + 1), a(0) = 1, a(1) = 23}

Sequence: A168845
Score: 11.5123
Type of gen. func.: ogf

-23 f(x) x + f(x) - x - 1

Sequence: A168845
Score: 13.9359
Type of gen. func.: ogf

$$-\frac{x + 1}{23 x - 1}$$

Sequence: A168845
Score: 7.15628
Type of gen. func.: ogf

{a(n + 2) - 23 a(n + 1), a(0) = 1, a(1) = 24}

Sequence: A168846
Score: 11.6328
Type of gen. func.: ogf

-24 f(x) x + f(x) - x - 1

Sequence: A168846
Score: 14.0818
Type of gen. func.: ogf

$$-\frac{x + 1}{24 x - 1}$$

Sequence: A168846
Score: 7.23122
Type of gen. func.: ogf

{a(n + 2) - 24 a(n + 1), a(0) = 1, a(1) = 25}

Sequence: A168847
Score: 11.7534
Type of gen. func.: ogf

-25 f(x) x + f(x) - x - 1

Sequence: A168847
Score: 14.2278
Type of gen. func.: ogf

$$-\frac{x + 1}{25 x - 1}$$

Sequence: A168847
Score: 7.30615
Type of gen. func.: ogf

{a(n + 2) - 25 a(n + 1), a(0) = 1, a(1) = 26}

Sequence: A168848
Score: 11.8739
Type of gen. func.: ogf

-26 f(x) x + f(x) - x - 1

Sequence: A168848
Score: 14.3737
Type of gen. func.: ogf

$$-\frac{x+1}{26x-1}$$

Sequence: A168848
Score: 7.38108
Type of gen. func.: ogf

$$\{a(n+2) - 26\,a(n+1),\ a(0) = 1,\ a(1) = 27\}$$

Sequence: A168849
Score: 12.0547
Type of gen. func.: ogf

$$-27\,f(x)\,x + f(x) - x - 1$$

Sequence: A168849
Score: 14.5926
Type of gen. func.: ogf

$$-\frac{x+1}{27x-1}$$

Sequence: A168849
Score: 7.49349
Type of gen. func.: ogf

$$\{a(n+2) - 27\,a(n+1),\ a(0) = 1,\ a(1) = 28\}$$

Sequence: A168850
Score: 12.115
Type of gen. func.: ogf

$$-28\,f(x)\,x + f(x) - x - 1$$

Sequence: A168850
Score: 14.6656
Type of gen. func.: ogf

$$x + 1$$

```
                                      - --------
                                        28 x - 1



--------------------------------------------------------------------------------

Sequence:  A168850
Score: 7.53096
Type of gen. func.: ogf


                 {a(n + 2) - 28 a(n + 1), a(0) = 1, a(1) = 29}



--------------------------------------------------------------------------------

Sequence:  A168851
Score: 12.2356
Type of gen. func.: ogf


                           -29 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A168851
Score: 14.8115
Type of gen. func.: ogf


                                         x + 1
                                      - --------
                                        29 x - 1



--------------------------------------------------------------------------------

Sequence:  A168851
Score: 7.60589
Type of gen. func.: ogf


                 {a(n + 2) - 29 a(n + 1), a(0) = 1, a(1) = 30}



--------------------------------------------------------------------------------

Sequence:  A168852
Score: 12.2958
Type of gen. func.: ogf


                           -30 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A168852
Score: 14.8844
Type of gen. func.: ogf


                                         x + 1
                                      - --------
```

```
                         30 x - 1
```

Sequence: A168852
Score: 7.64335
Type of gen. func.: ogf

```
          {a(n + 2) - 30 a(n + 1), a(0) = 1, a(1) = 31}
```

Sequence: A168853
Score: 12.2958
Type of gen. func.: ogf

```
                 -31 f(x) x + f(x) - x - 1
```

Sequence: A168853
Score: 14.8844
Type of gen. func.: ogf

```
                          x + 1
                        - --------
                          31 x - 1
```

Sequence: A168853
Score: 7.64335
Type of gen. func.: ogf

```
          {a(n + 2) - 31 a(n + 1), a(0) = 1, a(1) = 32}
```

Sequence: A168854
Score: 12.7177
Type of gen. func.: ogf

```
                 -32 f(x) x + f(x) - x - 1
```

Sequence: A168854
Score: 15.3952
Type of gen. func.: ogf

```
                          x + 1
                        - --------
                          32 x - 1
```

```
--------------------------------------------------------------------------------

Sequence:  A168854
Score: 7.90562
Type of gen. func.: ogf

                 {a(n + 2) - 32 a(n + 1), a(0) = 1, a(1) = 33}


--------------------------------------------------------------------------------

Sequence:  A168855
Score: 12.7177
Type of gen. func.: ogf

                           -33 f(x) x + f(x) - x - 1


--------------------------------------------------------------------------------

Sequence:  A168855
Score: 15.3952
Type of gen. func.: ogf

                                      x + 1
                                    - --------
                                     33 x - 1


--------------------------------------------------------------------------------

Sequence:  A168855
Score: 7.90562
Type of gen. func.: ogf

                 {a(n + 2) - 33 a(n + 1), a(0) = 1, a(1) = 34}


--------------------------------------------------------------------------------

Sequence:  A168856
Score: 12.7177
Type of gen. func.: ogf

                           -34 f(x) x + f(x) - x - 1


--------------------------------------------------------------------------------

Sequence:  A168856
Score: 15.3952
Type of gen. func.: ogf

                                      x + 1
                                    - --------
                                     34 x - 1
```

Sequence: A168856
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 34 a(n + 1), a(0) = 1, a(1) = 35\}$$

Sequence: A168857
Score: 12.8383
Type of gen. func.: ogf

$$-35 f(x) x + f(x) - x - 1$$

Sequence: A168857
Score: 15.5411
Type of gen. func.: ogf

$$-\frac{x + 1}{35 x - 1}$$

Sequence: A168857
Score: 7.98057
Type of gen. func.: ogf

$$\{a(n + 2) - 35 a(n + 1), a(0) = 1, a(1) = 36\}$$

Sequence: A168858
Score: 11.1854
Type of gen. func.: ogf

$$-36 f(x) x + f(x) - x - 1$$

Sequence: A168858
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{36 x - 1}$$

Sequence: A168858
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 36 a(n + 1), a(0) = 1, a(1) = 37\}$$

Sequence: A168859
Score: 11.1854
Type of gen. func.: ogf

$$-37 f(x) x + f(x) - x - 1$$

Sequence: A168859
Score: 13.5403
Type of gen. func.: ogf

$$- \frac{x + 1}{37 x - 1}$$

Sequence: A168859
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 37 a(n + 1), a(0) = 1, a(1) = 38\}$$

Sequence: A168860
Score: 11.3032
Type of gen. func.: ogf

$$-38 f(x) x + f(x) - x - 1$$

Sequence: A168860
Score: 13.6828
Type of gen. func.: ogf

$$- \frac{x + 1}{38 x - 1}$$

Sequence: A168860
Score: 7.02630
Type of gen. func.: ogf

$$\{a(n + 2) - 38 a(n + 1), a(0) = 1, a(1) = 39\}$$

Sequence: A168861
Score: 11.362
Type of gen. func.: ogf

$$-39 f(x) x + f(x) - x - 1$$

Sequence: A168861
Score: 13.7541
Type of gen. func.: ogf

$$-\frac{x + 1}{39 x - 1}$$

Sequence: A168861
Score: 7.06289
Type of gen. func.: ogf

$$\{a(n + 2) - 39 a(n + 1), a(0) = 1, a(1) = 40\}$$

Sequence: A168862
Score: 11.4798
Type of gen. func.: ogf

$$-40 f(x) x + f(x) - x - 1$$

Sequence: A168862
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{40 x - 1}$$

Sequence: A168862
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 40 a(n + 1), a(0) = 1, a(1) = 41\}$$

Sequence: A168863
Score: 11.4798
Type of gen. func.: ogf

$$-41 f(x) x + f(x) - x - 1$$

Sequence: A168863
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{41 x - 1}$$

Sequence: A168863
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 41 a(n + 1), a(0) = 1, a(1) = 42\}$$

Sequence: A168864
Score: 11.5386
Type of gen. func.: ogf

$$-42 f(x) x + f(x) - x - 1$$

Sequence: A168864
Score: 13.9678
Type of gen. func.: ogf

$$-\frac{x + 1}{42 x - 1}$$

Sequence: A168864
Score: 7.17268
Type of gen. func.: ogf

$$\{a(n + 2) - 42 a(n + 1), a(0) = 1, a(1) = 43\}$$

Sequence: A168865
Score: 11.5975
Type of gen. func.: ogf

$$-43 f(x) x + f(x) - x - 1$$

Sequence: A168865
Score: 14.0391
Type of gen. func.: ogf

$$-\frac{x + 1}{43 x - 1}$$

Sequence: A168865
Score: 7.20927
Type of gen. func.: ogf

$$\{a(n + 2) - 43 a(n + 1), a(0) = 1, a(1) = 44\}$$

Sequence: A168866
Score: 11.7153
Type of gen. func.: ogf

$$-44 f(x) x + f(x) - x - 1$$

Sequence: A168866
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{44 x - 1}$$

Sequence: A168866

Score: 7.28246
Type of gen. func.: ogf

{a(n + 2) - 44 a(n + 1), a(0) = 1, a(1) = 45}

Sequence: A168867
Score: 11.7153
Type of gen. func.: ogf

-45 f(x) x + f(x) - x - 1

Sequence: A168867
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{45 x - 1}$$

Sequence: A168867
Score: 7.28246
Type of gen. func.: ogf

{a(n + 2) - 45 a(n + 1), a(0) = 1, a(1) = 46}

Sequence: A168868
Score: 11.7153
Type of gen. func.: ogf

-46 f(x) x + f(x) - x - 1

Sequence: A168868
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{46 x - 1}$$

Sequence: A168868
Score: 7.28246

Type of gen. func.: ogf

$$\{a(n + 2) - 46 a(n + 1), a(0) = 1, a(1) = 47\}$$

Sequence: A168869
Score: 11.9507
Type of gen. func.: ogf

$$-47 f(x) x + f(x) - x - 1$$

Sequence: A168869
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{47 x - 1}$$

Sequence: A168869
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 47 a(n + 1), a(0) = 1, a(1) = 48\}$$

Sequence: A168870
Score: 11.9507
Type of gen. func.: ogf

$$-48 f(x) x + f(x) - x - 1$$

Sequence: A168870
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{48 x - 1}$$

Sequence: A168870
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 48 a(n + 1), a(0) = 1, a(1) = 49\}$$

Sequence: A168871
Score: 11.9507
Type of gen. func.: ogf

$$-49 f(x) x + f(x) - x - 1$$

Sequence: A168871
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{49 x - 1}$$

Sequence: A168871
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 49 a(n + 1), a(0) = 1, a(1) = 50\}$$

Sequence: A168873
Score: 5.11623
Type of gen. func.: ogf

$$\frac{4 x^{20} + x^{19} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{19} - 6 x^{5} + 2 x^{4} - 6 x^{3} + 2 x^{2} - 6 x + 2}$$

Sequence: A168874
Score: 6.85267
Type of gen. func.: ogf

$$\frac{5 x^{20} + x^{19} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{19} - 8 x^{3} + 2 x^{2} - 8 x + 2}$$

Sequence: A168875
Score: 9.46334
Type of gen. func.: ogf

$$\frac{6 x^{20} + x^{19} + 2 x + 2}{x^{19} - 10 x + 2}$$

Sequence: A168876
Score: 13.4636
Type of gen. func.: ogf

$$-6 f(x) x + f(x) - x - 1$$

Sequence: A168876
Score: 16.3746
Type of gen. func.: ogf

$$-\frac{x + 1}{-1 + 6 x}$$

Sequence: A168876
Score: 8.41471
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 7\}$$

Sequence: A168877
Score: 12.9815
Type of gen. func.: ogf

$$-7 f(x) x + f(x) - x - 1$$

Sequence: A168877
Score: 15.7883
Type of gen. func.: ogf

$$-\frac{x + 1}{7 x - 1}$$

Sequence: A168877
Score: 8.11343
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1), a(0) = 1, a(1) = 8\}$$

Sequence: A168878
Score: 13.6472
Type of gen. func.: ogf

$$-8 f(x) x + f(x) - x - 1$$

Sequence: A168878
Score: 16.5980
Type of gen. func.: ogf

$$-\frac{x + 1}{8 x - 1}$$

Sequence: A168878
Score: 8.52951
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 9\}$$

Sequence: A168879
Score: 12.7592
Type of gen. func.: ogf

$$-9 f(x) x + f(x) - x - 1$$

Sequence: A168879
Score: 15.5180
Type of gen. func.: ogf

$$-\frac{x + 1}{9 x - 1}$$

Sequence: A168879
Score: 7.86529
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 10\}$$

Sequence: A168880
Score: 12.0642
Type of gen. func.: ogf

$$-10 f(x) x + f(x) - x - 1$$

Sequence: A168880
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x + 1}{10 x - 1}$$

Sequence: A168880
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 11\}$$

Sequence: A168881
Score: 12.0642
Type of gen. func.: ogf

$$-11 f(x) x + f(x) - x - 1$$

Sequence: A168881
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x + 1}{11 x - 1}$$

Sequence: A168881
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1), a(0) = 1, a(1) = 12\}$$

Sequence: A168882
Score: 10.9017
Type of gen. func.: ogf

$$-12 f(x) x + f(x) - x - 1$$

Sequence: A168882
Score: 13.1968
Type of gen. func.: ogf

$$-\frac{x + 1}{12 x - 1}$$

Sequence: A168882
Score: 6.77673
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1), a(0) = 1, a(1) = 13\}$$

Sequence: A168883
Score: 11.1481
Type of gen. func.: ogf

$$-13 f(x) x + f(x) - x - 1$$

Sequence: A168883
Score: 13.4950
Type of gen. func.: ogf

$$-\frac{x + 1}{13 x - 1}$$

Sequence: A168883
Score: 6.92988
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1), a(0) = 1, a(1) = 14\}$$

Sequence: A168884
Score: 11.456
Type of gen. func.: ogf

$$-14 f(x) x + f(x) - x - 1$$

Sequence: A168884
Score: 13.8678
Type of gen. func.: ogf

$$-\frac{x + 1}{14 x - 1}$$

Sequence: A168884
Score: 7.12131
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1), a(0) = 1, a(1) = 15\}$$

Sequence: A168885
Score: 11.6408
Type of gen. func.: ogf

$$-15 f(x) x + f(x) - x - 1$$

Sequence: A168885
Score: 14.0915
Type of gen. func.: ogf

$$-\frac{x + 1}{15 x - 1}$$

Sequence: A168885
Score: 7.23618
Type of gen. func.: ogf

$$\{a(n+2) - 15\,a(n+1),\ a(0) = 1,\ a(1) = 16\}$$

Sequence: A168886
Score: 11.9488
Type of gen. func.: ogf

$$-16\,f(x)\,x + f(x) - x - 1$$

Sequence: A168886
Score: 14.4643
Type of gen. func.: ogf

$$-\frac{x+1}{16\,x-1}$$

Sequence: A168886
Score: 7.42761
Type of gen. func.: ogf

$$\{a(n+2) - 16\,a(n+1),\ a(0) = 1,\ a(1) = 17\}$$

Sequence: A168887
Score: 12.1335
Type of gen. func.: ogf

$$-17\,f(x)\,x + f(x) - x - 1$$

Sequence: A168887
Score: 14.6879
Type of gen. func.: ogf

$$-\frac{x+1}{17\,x-1}$$

Sequence: A168887
Score: 7.54246
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1), a(0) = 1, a(1) = 18\}$$

Sequence: A168888
Score: 10.789
Type of gen. func.: ogf

$$-18 f(x) x + f(x) - x - 1$$

Sequence: A168888
Score: 13.0604
Type of gen. func.: ogf

$$-\frac{x + 1}{18 x - 1}$$

Sequence: A168888
Score: 6.70668
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1), a(0) = 1, a(1) = 19\}$$

Sequence: A168889
Score: 10.9095
Type of gen. func.: ogf

$$-19 f(x) x + f(x) - x - 1$$

Sequence: A168889
Score: 13.2063
Type of gen. func.: ogf

$$-\frac{x + 1}{19 x - 1}$$

Sequence: A168889

```
Score: 6.78161
Type of gen. func.: ogf


                 {a(n + 2) - 19 a(n + 1), a(0) = 1, a(1) = 20}



------------------------------------------------------------------------------

Sequence:  A168890
Score: 11.0904
Type of gen. func.: ogf


                           -20 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A168890
Score: 13.4252
Type of gen. func.: ogf


                                          x + 1
                                       - --------
                                         20 x - 1



------------------------------------------------------------------------------

Sequence:  A168890
Score: 6.89401
Type of gen. func.: ogf


                 {a(n + 2) - 20 a(n + 1), a(0) = 1, a(1) = 21}



------------------------------------------------------------------------------

Sequence:  A168891
Score: 11.1506
Type of gen. func.: ogf


                           -21 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A168891
Score: 13.4981
Type of gen. func.: ogf


                                          x + 1
                                       - --------
                                         21 x - 1



------------------------------------------------------------------------------

Sequence:  A168891
Score: 6.93147
```

Type of gen. func.: ogf

{a(n + 2) - 21 a(n + 1), a(0) = 1, a(1) = 22}

Sequence: A168892
Score: 11.452
Type of gen. func.: ogf

-22 f(x) x + f(x) - x - 1

Sequence: A168892
Score: 13.8629
Type of gen. func.: ogf

$$-\frac{x + 1}{22 x - 1}$$

Sequence: A168892
Score: 7.11881
Type of gen. func.: ogf

{a(n + 2) - 22 a(n + 1), a(0) = 1, a(1) = 23}

Sequence: A168893
Score: 11.5123
Type of gen. func.: ogf

-23 f(x) x + f(x) - x - 1

Sequence: A168893
Score: 13.9359
Type of gen. func.: ogf

$$-\frac{x + 1}{23 x - 1}$$

Sequence: A168893
Score: 7.15628
Type of gen. func.: ogf

{a(n + 2) - 23 a(n + 1), a(0) = 1, a(1) = 24}

Sequence: A168894
Score: 11.6328
Type of gen. func.: ogf

$$-24 f(x) x + f(x) - x - 1$$

Sequence: A168894
Score: 14.0818
Type of gen. func.: ogf

$$- \frac{x + 1}{24 x - 1}$$

Sequence: A168894
Score: 7.23122
Type of gen. func.: ogf

{a(n + 2) - 24 a(n + 1), a(0) = 1, a(1) = 25}

Sequence: A168895
Score: 11.7534
Type of gen. func.: ogf

$$-25 f(x) x + f(x) - x - 1$$

Sequence: A168895
Score: 14.2278
Type of gen. func.: ogf

$$- \frac{x + 1}{25 x - 1}$$

Sequence: A168895
Score: 7.30615
Type of gen. func.: ogf

{a(n + 2) - 25 a(n + 1), a(0) = 1, a(1) = 26}

Sequence: A168896
Score: 11.8739
Type of gen. func.: ogf

-26 f(x) x + f(x) - x - 1

Sequence: A168896
Score: 14.3737
Type of gen. func.: ogf

$$-\frac{x + 1}{26 x - 1}$$

Sequence: A168896
Score: 7.38108
Type of gen. func.: ogf

{a(n + 2) - 26 a(n + 1), a(0) = 1, a(1) = 27}

Sequence: A168897
Score: 12.0547
Type of gen. func.: ogf

-27 f(x) x + f(x) - x - 1

Sequence: A168897
Score: 14.5926
Type of gen. func.: ogf

$$-\frac{x + 1}{27 x - 1}$$

Sequence: A168897
Score: 7.49349
Type of gen. func.: ogf

```
                {a(n + 2) - 27 a(n + 1), a(0) = 1, a(1) = 28}


--------------------------------------------------------------------------------

Sequence:  A168898
Score: 12.115
Type of gen. func.: ogf

                          -28 f(x) x + f(x) - x - 1


--------------------------------------------------------------------------------

Sequence:  A168898
Score: 14.6656
Type of gen. func.: ogf

                                    x + 1
                                 - --------
                                   28 x - 1


--------------------------------------------------------------------------------

Sequence:  A168898
Score: 7.53096
Type of gen. func.: ogf

                {a(n + 2) - 28 a(n + 1), a(0) = 1, a(1) = 29}


--------------------------------------------------------------------------------

Sequence:  A168899
Score: 12.2356
Type of gen. func.: ogf

                          -29 f(x) x + f(x) - x - 1


--------------------------------------------------------------------------------

Sequence:  A168899
Score: 14.8115
Type of gen. func.: ogf

                                    x + 1
                                 - --------
                                   29 x - 1


--------------------------------------------------------------------------------

Sequence:  A168899
Score: 7.60589
Type of gen. func.: ogf

                {a(n + 2) - 29 a(n + 1), a(0) = 1, a(1) = 30}
```

Sequence: A168900
Score: 12.2958
Type of gen. func.: ogf

$$-30 f(x) x + f(x) - x - 1$$

Sequence: A168900
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{30 x - 1}$$

Sequence: A168900
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 30 a(n + 1), a(0) = 1, a(1) = 31\}$$

Sequence: A168901
Score: 12.2958
Type of gen. func.: ogf

$$-31 f(x) x + f(x) - x - 1$$

Sequence: A168901
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{31 x - 1}$$

Sequence: A168901
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 31 a(n + 1), a(0) = 1, a(1) = 32\}$$

Sequence: A168902
Score: 12.7177
Type of gen. func.: ogf

$$-32 f(x) x + f(x) - x - 1$$

Sequence: A168902
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{32 x - 1}$$

Sequence: A168902
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 32 a(n + 1), a(0) = 1, a(1) = 33\}$$

Sequence: A168903
Score: 12.7177
Type of gen. func.: ogf

$$-33 f(x) x + f(x) - x - 1$$

Sequence: A168903
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{33 x - 1}$$

Sequence: A168903
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 33 a(n + 1), a(0) = 1, a(1) = 34\}$$

Sequence: A168904
Score: 12.7177
Type of gen. func.: ogf

$$-34 f(x) x + f(x) - x - 1$$

Sequence: A168904
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{34 x - 1}$$

Sequence: A168904
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 34 a(n + 1), a(0) = 1, a(1) = 35\}$$

Sequence: A168905
Score: 12.8383
Type of gen. func.: ogf

$$-35 f(x) x + f(x) - x - 1$$

Sequence: A168905
Score: 15.5411
Type of gen. func.: ogf

$$-\frac{x + 1}{35 x - 1}$$

Sequence: A168905
Score: 7.98057
Type of gen. func.: ogf

$$\{a(n + 2) - 35 a(n + 1), a(0) = 1, a(1) = 36\}$$

Sequence: A168906
Score: 11.1854
Type of gen. func.: ogf

$$-36 f(x) x + f(x) - x - 1$$

Sequence: A168906
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{36 x - 1}$$

Sequence: A168906
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 36 a(n + 1), a(0) = 1, a(1) = 37\}$$

Sequence: A168907
Score: 11.1854
Type of gen. func.: ogf

$$-37 f(x) x + f(x) - x - 1$$

Sequence: A168907
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{37 x - 1}$$

Sequence: A168907
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 37 a(n + 1), a(0) = 1, a(1) = 38\}$$

Sequence: A168908
Score: 11.3032
Type of gen. func.: ogf

$$-38 f(x) x + f(x) - x - 1$$

Sequence: A168908
Score: 13.6828
Type of gen. func.: ogf

$$-\frac{x + 1}{38 x - 1}$$

Sequence: A168908
Score: 7.02630
Type of gen. func.: ogf

$$\{a(n + 2) - 38 a(n + 1), a(0) = 1, a(1) = 39\}$$

Sequence: A168909
Score: 11.362
Type of gen. func.: ogf

$$-39 f(x) x + f(x) - x - 1$$

Sequence: A168909
Score: 13.7541
Type of gen. func.: ogf

$$-\frac{x + 1}{39 x - 1}$$

Sequence: A168909
Score: 7.06289
Type of gen. func.: ogf

$$\{a(n + 2) - 39 a(n + 1), a(0) = 1, a(1) = 40\}$$

Sequence: A168910
Score: 11.4798
Type of gen. func.: ogf

$$-40 f(x) x + f(x) - x - 1$$

Sequence: A168910
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{40 x - 1}$$

Sequence: A168910
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 40 a(n + 1), a(0) = 1, a(1) = 41\}$$

Sequence: A168911
Score: 11.4798
Type of gen. func.: ogf

$$-41 f(x) x + f(x) - x - 1$$

Sequence: A168911
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{41 x - 1}$$

Sequence: A168911
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 41 a(n + 1), a(0) = 1, a(1) = 42\}$$

Sequence: A168912

```
Score: 11.5386
Type of gen. func.: ogf


                           -42 f(x) x + f(x) - x - 1



-------------------------------------------------------------------------------

Sequence:  A168912
Score: 13.9678
Type of gen. func.: ogf

                                         x + 1
                                     - --------
                                       42 x - 1



-------------------------------------------------------------------------------

Sequence:  A168912
Score: 7.17268
Type of gen. func.: ogf

                 {a(n + 2) - 42 a(n + 1), a(0) = 1, a(1) = 43}



-------------------------------------------------------------------------------

Sequence:  A168913
Score: 11.5975
Type of gen. func.: ogf

                           -43 f(x) x + f(x) - x - 1



-------------------------------------------------------------------------------

Sequence:  A168913
Score: 14.0391
Type of gen. func.: ogf

                                         x + 1
                                     - --------
                                       43 x - 1



-------------------------------------------------------------------------------

Sequence:  A168913
Score: 7.20927
Type of gen. func.: ogf

                 {a(n + 2) - 43 a(n + 1), a(0) = 1, a(1) = 44}



-------------------------------------------------------------------------------

Sequence:  A168914
Score: 11.7153
```

Type of gen. func.: ogf

$$-44 f(x) x + f(x) - x - 1$$

Sequence: A168914
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{44 x - 1}$$

Sequence: A168914
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 44 a(n + 1), a(0) = 1, a(1) = 45\}$$

Sequence: A168915
Score: 11.7153
Type of gen. func.: ogf

$$-45 f(x) x + f(x) - x - 1$$

Sequence: A168915
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{45 x - 1}$$

Sequence: A168915
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 45 a(n + 1), a(0) = 1, a(1) = 46\}$$

Sequence: A168916
Score: 11.7153
Type of gen. func.: ogf

```
                           -46 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A168916
Score: 14.1816
Type of gen. func.: ogf

                                          x + 1
                                       - --------
                                         46 x - 1



--------------------------------------------------------------------------------

Sequence:  A168916
Score: 7.28246
Type of gen. func.: ogf

                 {a(n + 2) - 46 a(n + 1), a(0) = 1, a(1) = 47}



--------------------------------------------------------------------------------

Sequence:  A168917
Score: 11.9507
Type of gen. func.: ogf

                           -47 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A168917
Score: 14.4667
Type of gen. func.: ogf

                                          x + 1
                                       - --------
                                         47 x - 1



--------------------------------------------------------------------------------

Sequence:  A168917
Score: 7.42884
Type of gen. func.: ogf

                 {a(n + 2) - 47 a(n + 1), a(0) = 1, a(1) = 48}



--------------------------------------------------------------------------------

Sequence:  A168918
Score: 11.9507
Type of gen. func.: ogf
```

$$-48 f(x) x + f(x) - x - 1$$

Sequence: A168918
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{48 x - 1}$$

Sequence: A168918
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 48 a(n + 1), a(0) = 1, a(1) = 49\}$$

Sequence: A168919
Score: 11.9507
Type of gen. func.: ogf

$$-49 f(x) x + f(x) - x - 1$$

Sequence: A168919
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{49 x - 1}$$

Sequence: A168919
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 49 a(n + 1), a(0) = 1, a(1) = 50\}$$

Sequence: A168920
Score: 3.71845
Type of gen. func.: ogf

$$(3 x^{21} + x^{20} + 2 x^{9} + 2 x^{8} + 2 x^{7} + 2 x^{6} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2) \Big/ (x^{20} - 4 x^{9} + 2 x^{8} - 4 x^{7} + 2 x^{6} - 4 x^{5} + 2 x^{4} - 4 x^{3} + 2 x^{2} - 4 x + 2)$$

Sequence: A168921
Score: 6.82165
Type of gen. func.: ogf

$$\frac{4 x^{21} + x^{20} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{20} - 6 x^{3} + 2 x^{2} - 6 x + 2}$$

Sequence: A168922
Score: 10.2790
Type of gen. func.: ogf

$$\frac{5 x^{21} + x^{20} + 2 x + 2}{x^{20} - 8 x + 2}$$

Sequence: A168923
Score: 13.6693
Type of gen. func.: ogf

$$-5 f(x) x + f(x) - x - 1$$

Sequence: A168923
Score: 16.6248
Type of gen. func.: ogf

$$- \frac{x + 1}{5 x - 1}$$

Sequence: A168923
Score: 8.54329
Type of gen. func.: ogf

```
                 {a(n + 2) - 5 a(n + 1), a(0) = 1, a(1) = 6}


------------------------------------------------------------------------------

Sequence:  A168924
Score: 13.4636
Type of gen. func.: ogf


                         -6 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A168924
Score: 16.3746
Type of gen. func.: ogf


                                 x + 1
                              - --------
                                -1 + 6 x



------------------------------------------------------------------------------

Sequence:  A168924
Score: 8.41471
Type of gen. func.: ogf


                 {a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 7}



------------------------------------------------------------------------------

Sequence:  A168925
Score: 12.9815
Type of gen. func.: ogf


                         -7 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A168925
Score: 15.7883
Type of gen. func.: ogf


                                 x + 1
                              - -------
                                7 x - 1



------------------------------------------------------------------------------

Sequence:  A168925
Score: 8.11343
Type of gen. func.: ogf
```

```
                  {a(n + 2) - 7 a(n + 1), a(0) = 1, a(1) = 8}



--------------------------------------------------------------------------------

Sequence:  A168926
Score: 13.6472
Type of gen. func.: ogf


                              -8 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A168926
Score: 16.5980
Type of gen. func.: ogf


                                        x + 1
                                     - -------
                                       8 x - 1



--------------------------------------------------------------------------------

Sequence:  A168926
Score: 8.52951
Type of gen. func.: ogf


                  {a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 9}



--------------------------------------------------------------------------------

Sequence:  A168927
Score: 12.7592
Type of gen. func.: ogf


                              -9 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A168927
Score: 15.5180
Type of gen. func.: ogf


                                        x + 1
                                     - -------
                                       9 x - 1



--------------------------------------------------------------------------------

Sequence:  A168927
Score: 7.86529
Type of gen. func.: ogf


                  {a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 10}
```

Sequence: A168928
Score: 12.0642
Type of gen. func.: ogf

$$-10 f(x) x + f(x) - x - 1$$

Sequence: A168928
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x + 1}{10 x - 1}$$

Sequence: A168928
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 11\}$$

Sequence: A168929
Score: 12.0642
Type of gen. func.: ogf

$$-11 f(x) x + f(x) - x - 1$$

Sequence: A168929
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x + 1}{11 x - 1}$$

Sequence: A168929
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1), a(0) = 1, a(1) = 12\}$$

Sequence: A168930
Score: 10.9017
Type of gen. func.: ogf

$$-12 f(x) x + f(x) - x - 1$$

Sequence: A168930
Score: 13.1968
Type of gen. func.: ogf

$$-\frac{x + 1}{12 x - 1}$$

Sequence: A168930
Score: 6.77673
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1), a(0) = 1, a(1) = 13\}$$

Sequence: A168931
Score: 11.1481
Type of gen. func.: ogf

$$-13 f(x) x + f(x) - x - 1$$

Sequence: A168931
Score: 13.4950
Type of gen. func.: ogf

$$-\frac{x + 1}{13 x - 1}$$

Sequence: A168931
Score: 6.92988
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1), a(0) = 1, a(1) = 14\}$$

Sequence: A168932
Score: 11.456
Type of gen. func.: ogf

$$-14 f(x) x + f(x) - x - 1$$

Sequence: A168932
Score: 13.8678
Type of gen. func.: ogf

$$- \frac{x + 1}{14 x - 1}$$

Sequence: A168932
Score: 7.12131
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1), a(0) = 1, a(1) = 15\}$$

Sequence: A168933
Score: 11.6408
Type of gen. func.: ogf

$$-15 f(x) x + f(x) - x - 1$$

Sequence: A168933
Score: 14.0915
Type of gen. func.: ogf

$$- \frac{x + 1}{15 x - 1}$$

Sequence: A168933
Score: 7.23618
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1), a(0) = 1, a(1) = 16\}$$

Sequence: A168934
Score: 11.9488
Type of gen. func.: ogf

$$-16 f(x) x + f(x) - x - 1$$

Sequence: A168934
Score: 14.4643
Type of gen. func.: ogf

$$-\frac{x + 1}{16 x - 1}$$

Sequence: A168934
Score: 7.42761
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 17\}$$

Sequence: A168935
Score: 12.1335
Type of gen. func.: ogf

$$-17 f(x) x + f(x) - x - 1$$

Sequence: A168935
Score: 14.6879
Type of gen. func.: ogf

$$-\frac{x + 1}{17 x - 1}$$

Sequence: A168935
Score: 7.54246
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1), a(0) = 1, a(1) = 18\}$$

Sequence: A168936
Score: 10.789
Type of gen. func.: ogf

$$-18 f(x) x + f(x) - x - 1$$

Sequence: A168936
Score: 13.0604
Type of gen. func.: ogf

$$-\frac{x + 1}{18 x - 1}$$

Sequence: A168936
Score: 6.70668
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1), a(0) = 1, a(1) = 19\}$$

Sequence: A168937
Score: 10.9095
Type of gen. func.: ogf

$$-19 f(x) x + f(x) - x - 1$$

Sequence: A168937
Score: 13.2063
Type of gen. func.: ogf

$$-\frac{x + 1}{19 x - 1}$$

Sequence: A168937
Score: 6.78161
Type of gen. func.: ogf

$$\{a(n + 2) - 19 a(n + 1), a(0) = 1, a(1) = 20\}$$

```
Sequence:  A168938
Score: 11.0904
Type of gen. func.: ogf


                           -20 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A168938
Score: 13.4252
Type of gen. func.: ogf

                                          x + 1
                                      - --------
                                         20 x - 1



--------------------------------------------------------------------------------

Sequence:  A168938
Score: 6.89401
Type of gen. func.: ogf

                 {a(n + 2) - 20 a(n + 1), a(0) = 1, a(1) = 21}



--------------------------------------------------------------------------------

Sequence:  A168939
Score: 11.1506
Type of gen. func.: ogf


                           -21 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A168939
Score: 13.4981
Type of gen. func.: ogf

                                          x + 1
                                      - --------
                                         21 x - 1



--------------------------------------------------------------------------------

Sequence:  A168939
Score: 6.93147
Type of gen. func.: ogf

                 {a(n + 2) - 21 a(n + 1), a(0) = 1, a(1) = 22}



--------------------------------------------------------------------------------

Sequence:  A168940
```

Score: 11.452
Type of gen. func.: ogf

$$-22 f(x) x + f(x) - x - 1$$

Sequence: A168940
Score: 13.8629
Type of gen. func.: ogf

$$-\frac{x + 1}{22 x - 1}$$

Sequence: A168940
Score: 7.11881
Type of gen. func.: ogf

$$\{a(n + 2) - 22 a(n + 1), a(0) = 1, a(1) = 23\}$$

Sequence: A168941
Score: 11.5123
Type of gen. func.: ogf

$$-23 f(x) x + f(x) - x - 1$$

Sequence: A168941
Score: 13.9359
Type of gen. func.: ogf

$$-\frac{x + 1}{23 x - 1}$$

Sequence: A168941
Score: 7.15628
Type of gen. func.: ogf

$$\{a(n + 2) - 23 a(n + 1), a(0) = 1, a(1) = 24\}$$

Sequence: A168942
Score: 11.6328

Type of gen. func.: ogf

```
-24 f(x) x + f(x) - x - 1
```

Sequence: A168942
Score: 14.0818
Type of gen. func.: ogf

```
  x + 1
- --------
 24 x - 1
```

Sequence: A168942
Score: 7.23122
Type of gen. func.: ogf

```
{a(n + 2) - 24 a(n + 1), a(0) = 1, a(1) = 25}
```

Sequence: A168943
Score: 11.7534
Type of gen. func.: ogf

```
-25 f(x) x + f(x) - x - 1
```

Sequence: A168943
Score: 14.2278
Type of gen. func.: ogf

```
  x + 1
- --------
 25 x - 1
```

Sequence: A168943
Score: 7.30615
Type of gen. func.: ogf

```
{a(n + 2) - 25 a(n + 1), a(0) = 1, a(1) = 26}
```

Sequence: A168944
Score: 11.8739
Type of gen. func.: ogf

$$-26 f(x) x + f(x) - x - 1$$

Sequence: A168944
Score: 14.3737
Type of gen. func.: ogf

$$-\frac{x + 1}{26 x - 1}$$

Sequence: A168944
Score: 7.38108
Type of gen. func.: ogf

$$\{a(n + 2) - 26 a(n + 1), a(0) = 1, a(1) = 27\}$$

Sequence: A168945
Score: 12.0547
Type of gen. func.: ogf

$$-27 f(x) x + f(x) - x - 1$$

Sequence: A168945
Score: 14.5926
Type of gen. func.: ogf

$$-\frac{x + 1}{27 x - 1}$$

Sequence: A168945
Score: 7.49349
Type of gen. func.: ogf

$$\{a(n + 2) - 27 a(n + 1), a(0) = 1, a(1) = 28\}$$

Sequence: A168946
Score: 12.115
Type of gen. func.: ogf

$$-28 f(x) x + f(x) - x - 1$$

Sequence: A168946
Score: 14.6656
Type of gen. func.: ogf

$$-\frac{x + 1}{28 x - 1}$$

Sequence: A168946
Score: 7.53096
Type of gen. func.: ogf

$$\{a(n + 2) - 28 a(n + 1), a(0) = 1, a(1) = 29\}$$

Sequence: A168947
Score: 12.2356
Type of gen. func.: ogf

$$-29 f(x) x + f(x) - x - 1$$

Sequence: A168947
Score: 14.8115
Type of gen. func.: ogf

$$-\frac{x + 1}{29 x - 1}$$

Sequence: A168947
Score: 7.60589
Type of gen. func.: ogf

$$\{a(n + 2) - 29 a(n + 1), a(0) = 1, a(1) = 30\}$$

Sequence: A168948
Score: 12.2958
Type of gen. func.: ogf

```
                              -30 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A168948
Score: 14.8844
Type of gen. func.: ogf


                                          x + 1
                                       - --------
                                         30 x - 1



--------------------------------------------------------------------------------

Sequence:  A168948
Score: 7.64335
Type of gen. func.: ogf


                 {a(n + 2) - 30 a(n + 1), a(0) = 1, a(1) = 31}



--------------------------------------------------------------------------------

Sequence:  A168949
Score: 12.2958
Type of gen. func.: ogf


                              -31 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A168949
Score: 14.8844
Type of gen. func.: ogf


                                          x + 1
                                       - --------
                                         31 x - 1



--------------------------------------------------------------------------------

Sequence:  A168949
Score: 7.64335
Type of gen. func.: ogf


                 {a(n + 2) - 31 a(n + 1), a(0) = 1, a(1) = 32}



--------------------------------------------------------------------------------

Sequence:  A168950
Score: 12.7177
Type of gen. func.: ogf


                              -32 f(x) x + f(x) - x - 1
```

Sequence: A168950
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{32 x - 1}$$

Sequence: A168950
Score: 7.90562
Type of gen. func.: ogf

{a(n + 2) - 32 a(n + 1), a(0) = 1, a(1) = 33}

Sequence: A168951
Score: 12.7177
Type of gen. func.: ogf

$$-33 f(x) x + f(x) - x - 1$$

Sequence: A168951
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{33 x - 1}$$

Sequence: A168951
Score: 7.90562
Type of gen. func.: ogf

{a(n + 2) - 33 a(n + 1), a(0) = 1, a(1) = 34}

Sequence: A168952
Score: 12.7177
Type of gen. func.: ogf

$$-34 f(x) x + f(x) - x - 1$$

Sequence: A168952
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x+1}{34x-1}$$

Sequence: A168952
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n+2) - 34\, a(n+1),\ a(0) = 1,\ a(1) = 35\}$$

Sequence: A168953
Score: 12.8383
Type of gen. func.: ogf

$$-35 f(x)\, x + f(x) - x - 1$$

Sequence: A168953
Score: 15.5411
Type of gen. func.: ogf

$$-\frac{x+1}{35x-1}$$

Sequence: A168953
Score: 7.98057
Type of gen. func.: ogf

$$\{a(n+2) - 35\, a(n+1),\ a(0) = 1,\ a(1) = 36\}$$

Sequence: A168954
Score: 11.1854
Type of gen. func.: ogf

$$-36 f(x)\, x + f(x) - x - 1$$

Sequence: A168954
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{36 x - 1}$$

Sequence: A168954
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 36 a(n + 1), a(0) = 1, a(1) = 37\}$$

Sequence: A168955
Score: 11.1854
Type of gen. func.: ogf

$$-37 f(x) x + f(x) - x - 1$$

Sequence: A168955
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{37 x - 1}$$

Sequence: A168955
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 37 a(n + 1), a(0) = 1, a(1) = 38\}$$

Sequence: A168956
Score: 11.3032
Type of gen. func.: ogf

$$-38 f(x) x + f(x) - x - 1$$

Sequence: A168956
Score: 13.6828
Type of gen. func.: ogf

$$-\frac{x + 1}{38 x - 1}$$

Sequence: A168956
Score: 7.02630
Type of gen. func.: ogf

$$\{a(n + 2) - 38 a(n + 1), a(0) = 1, a(1) = 39\}$$

Sequence: A168957
Score: 11.362
Type of gen. func.: ogf

$$-39 f(x) x + f(x) - x - 1$$

Sequence: A168957
Score: 13.7541
Type of gen. func.: ogf

$$-\frac{x + 1}{39 x - 1}$$

Sequence: A168957
Score: 7.06289
Type of gen. func.: ogf

$$\{a(n + 2) - 39 a(n + 1), a(0) = 1, a(1) = 40\}$$

Sequence: A168958
Score: 11.4798
Type of gen. func.: ogf

$$-40 f(x) x + f(x) - x - 1$$

Sequence: A168958
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{40 x - 1}$$

Sequence: A168958
Score: 7.13608
Type of gen. func.: ogf

{a(n + 2) - 40 a(n + 1), a(0) = 1, a(1) = 41}

Sequence: A168959
Score: 11.4798
Type of gen. func.: ogf

-41 f(x) x + f(x) - x - 1

Sequence: A168959
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{41 x - 1}$$

Sequence: A168959
Score: 7.13608
Type of gen. func.: ogf

{a(n + 2) - 41 a(n + 1), a(0) = 1, a(1) = 42}

Sequence: A168960
Score: 11.5386
Type of gen. func.: ogf

-42 f(x) x + f(x) - x - 1

Sequence: A168960
Score: 13.9678
Type of gen. func.: ogf

$$-\frac{x + 1}{42 x - 1}$$

Sequence: A168960
Score: 7.17268
Type of gen. func.: ogf

$$\{a(n + 2) - 42 a(n + 1), a(0) = 1, a(1) = 43\}$$

Sequence: A168961
Score: 11.5975
Type of gen. func.: ogf

$$-43 f(x) x + f(x) - x - 1$$

Sequence: A168961
Score: 14.0391
Type of gen. func.: ogf

$$-\frac{x + 1}{43 x - 1}$$

Sequence: A168961
Score: 7.20927
Type of gen. func.: ogf

$$\{a(n + 2) - 43 a(n + 1), a(0) = 1, a(1) = 44\}$$

Sequence: A168962
Score: 11.7153
Type of gen. func.: ogf

$$-44 f(x) x + f(x) - x - 1$$

Sequence: A168962

Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{44 x - 1}$$

Sequence: A168962
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 44 a(n + 1), a(0) = 1, a(1) = 45\}$$

Sequence: A168963
Score: 11.7153
Type of gen. func.: ogf

$$-45 f(x) x + f(x) - x - 1$$

Sequence: A168963
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{45 x - 1}$$

Sequence: A168963
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 45 a(n + 1), a(0) = 1, a(1) = 46\}$$

Sequence: A168964
Score: 11.7153
Type of gen. func.: ogf

$$-46 f(x) x + f(x) - x - 1$$

Sequence: A168964
Score: 14.1816

Type of gen. func.: ogf

$$-\frac{x + 1}{46 x - 1}$$

Sequence: A168964
Score: 7.28246
Type of gen. func.: ogf

{a(n + 2) - 46 a(n + 1), a(0) = 1, a(1) = 47}

Sequence: A168965
Score: 11.9507
Type of gen. func.: ogf

$$-47 f(x) x + f(x) - x - 1$$

Sequence: A168965
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{47 x - 1}$$

Sequence: A168965
Score: 7.42884
Type of gen. func.: ogf

{a(n + 2) - 47 a(n + 1), a(0) = 1, a(1) = 48}

Sequence: A168966
Score: 11.9507
Type of gen. func.: ogf

$$-48 f(x) x + f(x) - x - 1$$

Sequence: A168966
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{48 x - 1}$$

Sequence: A168966
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 48 a(n + 1), a(0) = 1, a(1) = 49\}$$

Sequence: A168967
Score: 11.9507
Type of gen. func.: ogf

$$-49 f(x) x + f(x) - x - 1$$

Sequence: A168967
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{49 x - 1}$$

Sequence: A168967
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 49 a(n + 1), a(0) = 1, a(1) = 50\}$$

Sequence: A168968
Score: 3.71845
Type of gen. func.: ogf

$$(3 x^{22} + x^{21} + 2 x^9 + 2 x^8 + 2 x^7 + 2 x^6 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2) / (x^{21} - 4 x^9 + 2 x^8 - 4 x^7 + 2 x^6 - 4 x^5 + 2 x^4 - 4 x^3 + 2 x^2 - 4 x + 2)$$

Sequence: A168969
Score: 6.82165
Type of gen. func.: ogf

$$\frac{4 x^{22} + x^{21} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{21} - 6 x^{3} + 2 x^{2} - 6 x + 2}$$

Sequence: A168970
Score: 10.2790
Type of gen. func.: ogf

$$\frac{5 x^{22} + x^{21} + 2 x + 2}{x^{21} - 8 x + 2}$$

Sequence: A168971
Score: 13.6693
Type of gen. func.: ogf

$$-5 f(x) x + f(x) - x - 1$$

Sequence: A168971
Score: 16.6248
Type of gen. func.: ogf

$$- \frac{x + 1}{5 x - 1}$$

Sequence: A168971
Score: 8.54329
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1), a(0) = 1, a(1) = 6\}$$

Sequence: A168972
Score: 13.4636
Type of gen. func.: ogf

$$-6 f(x) x + f(x) - x - 1$$

Sequence: A168972
Score: 16.3746
Type of gen. func.: ogf

$$-\frac{x + 1}{-1 + 6 x}$$

Sequence: A168972
Score: 8.41471
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 7\}$$

Sequence: A168973
Score: 12.9815
Type of gen. func.: ogf

$$-7 f(x) x + f(x) - x - 1$$

Sequence: A168973
Score: 15.7883
Type of gen. func.: ogf

$$-\frac{x + 1}{7 x - 1}$$

Sequence: A168973
Score: 8.11343
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1), a(0) = 1, a(1) = 8\}$$

Sequence: A168974
Score: 13.6472
Type of gen. func.: ogf

$$-8 f(x) x + f(x) - x - 1$$

Sequence: A168974
Score: 16.5980
Type of gen. func.: ogf

$$-\frac{x + 1}{8 x - 1}$$

Sequence: A168974
Score: 8.52951
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 9\}$$

Sequence: A168975
Score: 12.7592
Type of gen. func.: ogf

$$-9 f(x) x + f(x) - x - 1$$

Sequence: A168975
Score: 15.5180
Type of gen. func.: ogf

$$-\frac{x + 1}{9 x - 1}$$

Sequence: A168975
Score: 7.86529
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 10\}$$

Sequence: A168976
Score: 12.0642
Type of gen. func.: ogf

```
                           -10 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A168976
Score: 14.6040
Type of gen. func.: ogf


                                      x + 1
                                   - --------
                                     10 x - 1



------------------------------------------------------------------------------

Sequence:  A168976
Score: 7.49934
Type of gen. func.: ogf


                 {a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 11}



------------------------------------------------------------------------------

Sequence:  A168977
Score: 12.0642
Type of gen. func.: ogf


                           -11 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A168977
Score: 14.6040
Type of gen. func.: ogf


                                      x + 1
                                   - --------
                                     11 x - 1



------------------------------------------------------------------------------

Sequence:  A168977
Score: 7.49934
Type of gen. func.: ogf


                 {a(n + 2) - 11 a(n + 1), a(0) = 1, a(1) = 12}



------------------------------------------------------------------------------

Sequence:  A168978
Score: 10.9017
Type of gen. func.: ogf


                           -12 f(x) x + f(x) - x - 1
```

Sequence: A168978
Score: 13.1968
Type of gen. func.: ogf

$$-\frac{x + 1}{12 x - 1}$$

Sequence: A168978
Score: 6.77673
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1), a(0) = 1, a(1) = 13\}$$

Sequence: A168979
Score: 11.1481
Type of gen. func.: ogf

$$-13 f(x) x + f(x) - x - 1$$

Sequence: A168979
Score: 13.4950
Type of gen. func.: ogf

$$-\frac{x + 1}{13 x - 1}$$

Sequence: A168979
Score: 6.92988
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1), a(0) = 1, a(1) = 14\}$$

Sequence: A168980
Score: 11.456
Type of gen. func.: ogf

$$-14 f(x) x + f(x) - x - 1$$

Sequence: A168980
Score: 13.8678
Type of gen. func.: ogf

$$-\frac{x + 1}{14 x - 1}$$

Sequence: A168980
Score: 7.12131
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1), a(0) = 1, a(1) = 15\}$$

Sequence: A168981
Score: 11.6408
Type of gen. func.: ogf

$$-15 f(x) x + f(x) - x - 1$$

Sequence: A168981
Score: 14.0915
Type of gen. func.: ogf

$$-\frac{x + 1}{15 x - 1}$$

Sequence: A168981
Score: 7.23618
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1), a(0) = 1, a(1) = 16\}$$

Sequence: A168982
Score: 11.9488
Type of gen. func.: ogf

$$-16 f(x) x + f(x) - x - 1$$

Sequence: A168982
Score: 14.4643
Type of gen. func.: ogf

$$-\frac{x + 1}{16 x - 1}$$

Sequence: A168982
Score: 7.42761
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 17\}$$

Sequence: A168983
Score: 12.1335
Type of gen. func.: ogf

$$-17 f(x) x + f(x) - x - 1$$

Sequence: A168983
Score: 14.6879
Type of gen. func.: ogf

$$-\frac{x + 1}{17 x - 1}$$

Sequence: A168983
Score: 7.54246
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1), a(0) = 1, a(1) = 18\}$$

Sequence: A168984
Score: 10.789
Type of gen. func.: ogf

$$-18 f(x) x + f(x) - x - 1$$

Sequence: A168984
Score: 13.0604
Type of gen. func.: ogf

$$-\frac{x + 1}{18 x - 1}$$

Sequence: A168984
Score: 6.70668
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1), a(0) = 1, a(1) = 19\}$$

Sequence: A168985
Score: 10.9095
Type of gen. func.: ogf

$$-19 f(x) x + f(x) - x - 1$$

Sequence: A168985
Score: 13.2063
Type of gen. func.: ogf

$$-\frac{x + 1}{19 x - 1}$$

Sequence: A168985
Score: 6.78161
Type of gen. func.: ogf

$$\{a(n + 2) - 19 a(n + 1), a(0) = 1, a(1) = 20\}$$

Sequence: A168986
Score: 11.0904
Type of gen. func.: ogf

$$-20 f(x) x + f(x) - x - 1$$

Sequence: A168986
Score: 13.4252
Type of gen. func.: ogf

$$-\frac{x + 1}{20 x - 1}$$

Sequence: A168986
Score: 6.89401
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1), a(0) = 1, a(1) = 21\}$$

Sequence: A168987
Score: 11.1506
Type of gen. func.: ogf

$$-21 f(x) x + f(x) - x - 1$$

Sequence: A168987
Score: 13.4981
Type of gen. func.: ogf

$$-\frac{x + 1}{21 x - 1}$$

Sequence: A168987
Score: 6.93147
Type of gen. func.: ogf

$$\{a(n + 2) - 21 a(n + 1), a(0) = 1, a(1) = 22\}$$

Sequence: A168988
Score: 11.452
Type of gen. func.: ogf

$$-22 f(x) x + f(x) - x - 1$$

Sequence: A168988
Score: 13.8629
Type of gen. func.: ogf

$$-\frac{x+1}{22x-1}$$

Sequence: A168988
Score: 7.11881
Type of gen. func.: ogf

{a(n + 2) - 22 a(n + 1), a(0) = 1, a(1) = 23}

Sequence: A168989
Score: 11.5123
Type of gen. func.: ogf

$$-23 f(x) x + f(x) - x - 1$$

Sequence: A168989
Score: 13.9359
Type of gen. func.: ogf

$$-\frac{x+1}{23x-1}$$

Sequence: A168989
Score: 7.15628
Type of gen. func.: ogf

{a(n + 2) - 23 a(n + 1), a(0) = 1, a(1) = 24}

Sequence: A168990
Score: 11.6328
Type of gen. func.: ogf

$$-24 f(x) x + f(x) - x - 1$$

Sequence: A168990

Score: 14.0818
Type of gen. func.: ogf

$$-\frac{x + 1}{24 x - 1}$$

Sequence: A168990
Score: 7.23122
Type of gen. func.: ogf

{a(n + 2) - 24 a(n + 1), a(0) = 1, a(1) = 25}

Sequence: A168991
Score: 11.7534
Type of gen. func.: ogf

-25 f(x) x + f(x) - x - 1

Sequence: A168991
Score: 14.2278
Type of gen. func.: ogf

$$-\frac{x + 1}{25 x - 1}$$

Sequence: A168991
Score: 7.30615
Type of gen. func.: ogf

{a(n + 2) - 25 a(n + 1), a(0) = 1, a(1) = 26}

Sequence: A168992
Score: 11.8739
Type of gen. func.: ogf

-26 f(x) x + f(x) - x - 1

Sequence: A168992
Score: 14.3737

```
Type of gen. func.: ogf


                                      x + 1
                                   - --------
                                     26 x - 1



------------------------------------------------------------------------------

Sequence:  A168992
Score: 7.38108
Type of gen. func.: ogf


                 {a(n + 2) - 26 a(n + 1), a(0) = 1, a(1) = 27}



------------------------------------------------------------------------------

Sequence:  A168993
Score: 12.0547
Type of gen. func.: ogf


                           -27 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A168993
Score: 14.5926
Type of gen. func.: ogf


                                      x + 1
                                   - --------
                                     27 x - 1



------------------------------------------------------------------------------

Sequence:  A168993
Score: 7.49349
Type of gen. func.: ogf


                 {a(n + 2) - 27 a(n + 1), a(0) = 1, a(1) = 28}



------------------------------------------------------------------------------

Sequence:  A168994
Score: 12.115
Type of gen. func.: ogf


                           -28 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A168994
Score: 14.6656
Type of gen. func.: ogf
```

$$-\frac{x + 1}{28 x - 1}$$

Sequence: A168994
Score: 7.53096
Type of gen. func.: ogf

$$\{a(n + 2) - 28 a(n + 1), a(0) = 1, a(1) = 29\}$$

Sequence: A168995
Score: 12.2356
Type of gen. func.: ogf

$$-29 f(x) x + f(x) - x - 1$$

Sequence: A168995
Score: 14.8115
Type of gen. func.: ogf

$$-\frac{x + 1}{29 x - 1}$$

Sequence: A168995
Score: 7.60589
Type of gen. func.: ogf

$$\{a(n + 2) - 29 a(n + 1), a(0) = 1, a(1) = 30\}$$

Sequence: A168996
Score: 12.2958
Type of gen. func.: ogf

$$-30 f(x) x + f(x) - x - 1$$

Sequence: A168996
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{30 x - 1}$$

Sequence: A168996
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 30 a(n + 1), a(0) = 1, a(1) = 31\}$$

Sequence: A168997
Score: 12.2958
Type of gen. func.: ogf

$$-31 f(x) x + f(x) - x - 1$$

Sequence: A168997
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{31 x - 1}$$

Sequence: A168997
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 31 a(n + 1), a(0) = 1, a(1) = 32\}$$

Sequence: A168998
Score: 12.7177
Type of gen. func.: ogf

$$-32 f(x) x + f(x) - x - 1$$

Sequence: A168998
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{32 x - 1}$$

Sequence: A168998
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 32 a(n + 1), a(0) = 1, a(1) = 33\}$$

Sequence: A168999
Score: 12.7177
Type of gen. func.: ogf

$$-33 f(x) x + f(x) - x - 1$$

Sequence: A168999
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{33 x - 1}$$

Sequence: A168999
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 33 a(n + 1), a(0) = 1, a(1) = 34\}$$

Sequence: A169000
Score: 12.7177
Type of gen. func.: ogf

$$-34 f(x) x + f(x) - x - 1$$

Sequence: A169000
Score: 15.3952
Type of gen. func.: ogf

x + 1

```
                                   - --------
                                     34 x - 1



------------------------------------------------------------------------------

Sequence:  A169000
Score: 7.90562
Type of gen. func.: ogf


                 {a(n + 2) - 34 a(n + 1), a(0) = 1, a(1) = 35}



------------------------------------------------------------------------------

Sequence:  A169001
Score: 12.8383
Type of gen. func.: ogf


                           -35 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169001
Score: 15.5411
Type of gen. func.: ogf


                                      x + 1
                                   - --------
                                     35 x - 1



------------------------------------------------------------------------------

Sequence:  A169001
Score: 7.98057
Type of gen. func.: ogf


                 {a(n + 2) - 35 a(n + 1), a(0) = 1, a(1) = 36}



------------------------------------------------------------------------------

Sequence:  A169002
Score: 11.1854
Type of gen. func.: ogf


                           -36 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169002
Score: 13.5403
Type of gen. func.: ogf


                                      x + 1
                                   - --------
```

$$36 x - 1$$

Sequence: A169002
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 36 a(n + 1), a(0) = 1, a(1) = 37\}$$

Sequence: A169003
Score: 11.1854
Type of gen. func.: ogf

$$-37 f(x) x + f(x) - x - 1$$

Sequence: A169003
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{37 x - 1}$$

Sequence: A169003
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 37 a(n + 1), a(0) = 1, a(1) = 38\}$$

Sequence: A169004
Score: 11.3032
Type of gen. func.: ogf

$$-38 f(x) x + f(x) - x - 1$$

Sequence: A169004
Score: 13.6828
Type of gen. func.: ogf

$$-\frac{x + 1}{38 x - 1}$$

Sequence: A169004
Score: 7.02630
Type of gen. func.: ogf

$$\{a(n + 2) - 38 a(n + 1), a(0) = 1, a(1) = 39\}$$

Sequence: A169005
Score: 11.362
Type of gen. func.: ogf

$$-39 f(x) x + f(x) - x - 1$$

Sequence: A169005
Score: 13.7541
Type of gen. func.: ogf

$$-\frac{x + 1}{39 x - 1}$$

Sequence: A169005
Score: 7.06289
Type of gen. func.: ogf

$$\{a(n + 2) - 39 a(n + 1), a(0) = 1, a(1) = 40\}$$

Sequence: A169006
Score: 11.4798
Type of gen. func.: ogf

$$-40 f(x) x + f(x) - x - 1$$

Sequence: A169006
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{40 x - 1}$$

Sequence: A169006
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 40 a(n + 1), a(0) = 1, a(1) = 41\}$$

Sequence: A169007
Score: 11.4798
Type of gen. func.: ogf

$$-41 f(x) x + f(x) - x - 1$$

Sequence: A169007
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{41 x - 1}$$

Sequence: A169007
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 41 a(n + 1), a(0) = 1, a(1) = 42\}$$

Sequence: A169008
Score: 11.5386
Type of gen. func.: ogf

$$-42 f(x) x + f(x) - x - 1$$

Sequence: A169008
Score: 13.9678
Type of gen. func.: ogf

$$-\frac{x + 1}{42 x - 1}$$

```
------------------------------------------------------------------------------

Sequence:  A169008
Score: 7.17268
Type of gen. func.: ogf

                 {a(n + 2) - 42 a(n + 1), a(0) = 1, a(1) = 43}



------------------------------------------------------------------------------

Sequence:  A169009
Score: 11.5975
Type of gen. func.: ogf

                           -43 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169009
Score: 14.0391
Type of gen. func.: ogf

                                       x + 1
                                    - --------
                                      43 x - 1



------------------------------------------------------------------------------

Sequence:  A169009
Score: 7.20927
Type of gen. func.: ogf

                 {a(n + 2) - 43 a(n + 1), a(0) = 1, a(1) = 44}



------------------------------------------------------------------------------

Sequence:  A169010
Score: 11.7153
Type of gen. func.: ogf

                           -44 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169010
Score: 14.1816
Type of gen. func.: ogf

                                       x + 1
                                    - --------
                                      44 x - 1
```

Sequence: A169010
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 44 a(n + 1), a(0) = 1, a(1) = 45\}$$

Sequence: A169011
Score: 11.7153
Type of gen. func.: ogf

$$-45 f(x) x + f(x) - x - 1$$

Sequence: A169011
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{45 x - 1}$$

Sequence: A169011
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 45 a(n + 1), a(0) = 1, a(1) = 46\}$$

Sequence: A169012
Score: 11.7153
Type of gen. func.: ogf

$$-46 f(x) x + f(x) - x - 1$$

Sequence: A169012
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{46 x - 1}$$

Sequence: A169012
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 46 a(n + 1), a(0) = 1, a(1) = 47\}$$

Sequence: A169013
Score: 11.9507
Type of gen. func.: ogf

$$-47 f(x) x + f(x) - x - 1$$

Sequence: A169013
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{47 x - 1}$$

Sequence: A169013
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 47 a(n + 1), a(0) = 1, a(1) = 48\}$$

Sequence: A169014
Score: 11.9507
Type of gen. func.: ogf

$$-48 f(x) x + f(x) - x - 1$$

Sequence: A169014
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{48 x - 1}$$

Sequence: A169014
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 48 a(n + 1), a(0) = 1, a(1) = 49\}$$

Sequence: A169015
Score: 11.9507
Type of gen. func.: ogf

$$-49 f(x) x + f(x) - x - 1$$

Sequence: A169015
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{49 x - 1}$$

Sequence: A169015
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 49 a(n + 1), a(0) = 1, a(1) = 50\}$$

Sequence: A169016
Score: 4.46214
Type of gen. func.: ogf

$$\frac{3 x^{23} + x^{22} + 2 x^{7} + 2 x^{6} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{22} - 4 x^{7} + 2 x^{6} - 4 x^{5} + 2 x^{4} - 4 x^{3} + 2 x^{2} - 4 x + 2}$$

Sequence: A169017
Score: 10.2325
Type of gen. func.: ogf

$$\frac{4 x^{23} + x^{22} + 2 x + 2}{x^{22} - 6 x + 2}$$

Sequence: A169018
Score: 14.619
Type of gen. func.: ogf

$$-4 f(x) x + f(x) - x - 1$$

Sequence: A169018
Score: 17.7799
Type of gen. func.: ogf

$$-\frac{x + 1}{4 x - 1}$$

Sequence: A169018
Score: 9.13689
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 5\}$$

Sequence: A169019
Score: 13.6693
Type of gen. func.: ogf

$$-5 f(x) x + f(x) - x - 1$$

Sequence: A169019
Score: 16.6248
Type of gen. func.: ogf

$$-\frac{x + 1}{5 x - 1}$$

Sequence: A169019
Score: 8.54329
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1), a(0) = 1, a(1) = 6\}$$

```
-------------------------------------------------------------------------------

Sequence:  A169020
Score: 13.4636
Type of gen. func.: ogf


                            -6 f(x) x + f(x) - x - 1



-------------------------------------------------------------------------------

Sequence:  A169020
Score: 16.3746
Type of gen. func.: ogf


                                      x + 1
                                   - --------
                                     -1 + 6 x



-------------------------------------------------------------------------------

Sequence:  A169020
Score: 8.41471
Type of gen. func.: ogf


                  {a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 7}



-------------------------------------------------------------------------------

Sequence:  A169021
Score: 12.9815
Type of gen. func.: ogf


                            -7 f(x) x + f(x) - x - 1



-------------------------------------------------------------------------------

Sequence:  A169021
Score: 15.7883
Type of gen. func.: ogf


                                      x + 1
                                   - -------
                                     7 x - 1



-------------------------------------------------------------------------------

Sequence:  A169021
Score: 8.11343
Type of gen. func.: ogf


                  {a(n + 2) - 7 a(n + 1), a(0) = 1, a(1) = 8}
```

Sequence: A169022
Score: 13.6472
Type of gen. func.: ogf

$$-8 f(x) x + f(x) - x - 1$$

Sequence: A169022
Score: 16.5980
Type of gen. func.: ogf

$$-\frac{x + 1}{8 x - 1}$$

Sequence: A169022
Score: 8.52951
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 9\}$$

Sequence: A169023
Score: 12.7592
Type of gen. func.: ogf

$$-9 f(x) x + f(x) - x - 1$$

Sequence: A169023
Score: 15.5180
Type of gen. func.: ogf

$$-\frac{x + 1}{9 x - 1}$$

Sequence: A169023
Score: 7.86529
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 10\}$$

```
--------------------------------------------------------------------------------

Sequence:  A169024
Score: 12.0642
Type of gen. func.: ogf


                           -10 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A169024
Score: 14.6040
Type of gen. func.: ogf


                                         x + 1
                                     - --------
                                       10 x - 1



--------------------------------------------------------------------------------

Sequence:  A169024
Score: 7.49934
Type of gen. func.: ogf


                 {a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 11}



--------------------------------------------------------------------------------

Sequence:  A169025
Score: 12.0642
Type of gen. func.: ogf


                           -11 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A169025
Score: 14.6040
Type of gen. func.: ogf


                                         x + 1
                                     - --------
                                       11 x - 1



--------------------------------------------------------------------------------

Sequence:  A169025
Score: 7.49934
Type of gen. func.: ogf


                 {a(n + 2) - 11 a(n + 1), a(0) = 1, a(1) = 12}



--------------------------------------------------------------------------------
```

Sequence: A169026
Score: 10.9017
Type of gen. func.: ogf

$$-12 f(x) x + f(x) - x - 1$$

Sequence: A169026
Score: 13.1968
Type of gen. func.: ogf

$$-\frac{x + 1}{12 x - 1}$$

Sequence: A169026
Score: 6.77673
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1), a(0) = 1, a(1) = 13\}$$

Sequence: A169027
Score: 11.1481
Type of gen. func.: ogf

$$-13 f(x) x + f(x) - x - 1$$

Sequence: A169027
Score: 13.4950
Type of gen. func.: ogf

$$-\frac{x + 1}{13 x - 1}$$

Sequence: A169027
Score: 6.92988
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1), a(0) = 1, a(1) = 14\}$$

Sequence: A169028
Score: 11.456
Type of gen. func.: ogf

$$-14 f(x) x + f(x) - x - 1$$

Sequence: A169028
Score: 13.8678
Type of gen. func.: ogf

$$-\frac{x + 1}{14 x - 1}$$

Sequence: A169028
Score: 7.12131
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1), a(0) = 1, a(1) = 15\}$$

Sequence: A169029
Score: 11.6408
Type of gen. func.: ogf

$$-15 f(x) x + f(x) - x - 1$$

Sequence: A169029
Score: 14.0915
Type of gen. func.: ogf

$$-\frac{x + 1}{15 x - 1}$$

Sequence: A169029
Score: 7.23618
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1), a(0) = 1, a(1) = 16\}$$

Sequence: A169030

Score: 11.9488
Type of gen. func.: ogf

```
-16 f(x) x + f(x) - x - 1
```

Sequence: A169030
Score: 14.4643
Type of gen. func.: ogf

```
   x + 1
- --------
  16 x - 1
```

Sequence: A169030
Score: 7.42761
Type of gen. func.: ogf

```
{a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 17}
```

Sequence: A169031
Score: 12.1335
Type of gen. func.: ogf

```
-17 f(x) x + f(x) - x - 1
```

Sequence: A169031
Score: 14.6879
Type of gen. func.: ogf

```
   x + 1
- --------
  17 x - 1
```

Sequence: A169031
Score: 7.54246
Type of gen. func.: ogf

```
{a(n + 2) - 17 a(n + 1), a(0) = 1, a(1) = 18}
```

Sequence: A169032
Score: 10.789

Type of gen. func.: ogf

$$-18 f(x) x + f(x) - x - 1$$

Sequence: A169032
Score: 13.0604
Type of gen. func.: ogf

$$-\frac{x + 1}{18 x - 1}$$

Sequence: A169032
Score: 6.70668
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1), a(0) = 1, a(1) = 19\}$$

Sequence: A169033
Score: 10.9095
Type of gen. func.: ogf

$$-19 f(x) x + f(x) - x - 1$$

Sequence: A169033
Score: 13.2063
Type of gen. func.: ogf

$$-\frac{x + 1}{19 x - 1}$$

Sequence: A169033
Score: 6.78161
Type of gen. func.: ogf

$$\{a(n + 2) - 19 a(n + 1), a(0) = 1, a(1) = 20\}$$

Sequence: A169034
Score: 11.0904
Type of gen. func.: ogf

```
                            -20 f(x) x + f(x) - x - 1


-------------------------------------------------------------------------------

Sequence:  A169034
Score: 13.4252
Type of gen. func.: ogf

                                          x + 1
                                      - --------
                                        20 x - 1


-------------------------------------------------------------------------------

Sequence:  A169034
Score: 6.89401
Type of gen. func.: ogf

                 {a(n + 2) - 20 a(n + 1), a(0) = 1, a(1) = 21}


-------------------------------------------------------------------------------

Sequence:  A169035
Score: 11.1506
Type of gen. func.: ogf

                            -21 f(x) x + f(x) - x - 1


-------------------------------------------------------------------------------

Sequence:  A169035
Score: 13.4981
Type of gen. func.: ogf

                                          x + 1
                                      - --------
                                        21 x - 1


-------------------------------------------------------------------------------

Sequence:  A169035
Score: 6.93147
Type of gen. func.: ogf

                 {a(n + 2) - 21 a(n + 1), a(0) = 1, a(1) = 22}


-------------------------------------------------------------------------------

Sequence:  A169036
Score: 11.452
Type of gen. func.: ogf
```

```
                           -22 f(x) x + f(x) - x - 1


------------------------------------------------------------------------------

Sequence:  A169036
Score: 13.8629
Type of gen. func.: ogf

                                         x + 1
                                      - --------
                                        22 x - 1


------------------------------------------------------------------------------

Sequence:  A169036
Score: 7.11881
Type of gen. func.: ogf

                {a(n + 2) - 22 a(n + 1), a(0) = 1, a(1) = 23}


------------------------------------------------------------------------------

Sequence:  A169037
Score: 11.5123
Type of gen. func.: ogf

                           -23 f(x) x + f(x) - x - 1


------------------------------------------------------------------------------

Sequence:  A169037
Score: 13.9359
Type of gen. func.: ogf

                                         x + 1
                                      - --------
                                        23 x - 1


------------------------------------------------------------------------------

Sequence:  A169037
Score: 7.15628
Type of gen. func.: ogf

                {a(n + 2) - 23 a(n + 1), a(0) = 1, a(1) = 24}


------------------------------------------------------------------------------

Sequence:  A169038
Score: 11.6328
Type of gen. func.: ogf
```

```
                              -24 f(x) x + f(x) - x - 1



-------------------------------------------------------------------------------

Sequence:  A169038
Score: 14.0818
Type of gen. func.: ogf


                                         x + 1
                                      - --------
                                        24 x - 1



-------------------------------------------------------------------------------

Sequence:  A169038
Score: 7.23122
Type of gen. func.: ogf


                 {a(n + 2) - 24 a(n + 1), a(0) = 1, a(1) = 25}



-------------------------------------------------------------------------------

Sequence:  A169039
Score: 11.7534
Type of gen. func.: ogf


                              -25 f(x) x + f(x) - x - 1



-------------------------------------------------------------------------------

Sequence:  A169039
Score: 14.2278
Type of gen. func.: ogf


                                         x + 1
                                      - --------
                                        25 x - 1



-------------------------------------------------------------------------------

Sequence:  A169039
Score: 7.30615
Type of gen. func.: ogf


                 {a(n + 2) - 25 a(n + 1), a(0) = 1, a(1) = 26}



-------------------------------------------------------------------------------

Sequence:  A169040
Score: 11.8739
Type of gen. func.: ogf


                              -26 f(x) x + f(x) - x - 1
```

Sequence: A169040
Score: 14.3737
Type of gen. func.: ogf

$$-\frac{x + 1}{26 x - 1}$$

Sequence: A169040
Score: 7.38108
Type of gen. func.: ogf

$$\{a(n + 2) - 26 a(n + 1), a(0) = 1, a(1) = 27\}$$

Sequence: A169041
Score: 12.0547
Type of gen. func.: ogf

$$-27 f(x) x + f(x) - x - 1$$

Sequence: A169041
Score: 14.5926
Type of gen. func.: ogf

$$-\frac{x + 1}{27 x - 1}$$

Sequence: A169041
Score: 7.49349
Type of gen. func.: ogf

$$\{a(n + 2) - 27 a(n + 1), a(0) = 1, a(1) = 28\}$$

Sequence: A169042
Score: 12.115
Type of gen. func.: ogf

$$-28 f(x) x + f(x) - x - 1$$

Sequence: A169042
Score: 14.6656
Type of gen. func.: ogf

$$-\frac{x + 1}{28 x - 1}$$

Sequence: A169042
Score: 7.53096
Type of gen. func.: ogf

{a(n + 2) - 28 a(n + 1), a(0) = 1, a(1) = 29}

Sequence: A169043
Score: 12.2356
Type of gen. func.: ogf

$$-29 f(x) x + f(x) - x - 1$$

Sequence: A169043
Score: 14.8115
Type of gen. func.: ogf

$$-\frac{x + 1}{29 x - 1}$$

Sequence: A169043
Score: 7.60589
Type of gen. func.: ogf

{a(n + 2) - 29 a(n + 1), a(0) = 1, a(1) = 30}

Sequence: A169044
Score: 12.2958
Type of gen. func.: ogf

$$-30 f(x) x + f(x) - x - 1$$

Sequence: A169044
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{30 x - 1}$$

Sequence: A169044
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 30 a(n + 1), a(0) = 1, a(1) = 31\}$$

Sequence: A169045
Score: 12.2958
Type of gen. func.: ogf

$$-31 f(x) x + f(x) - x - 1$$

Sequence: A169045
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{31 x - 1}$$

Sequence: A169045
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 31 a(n + 1), a(0) = 1, a(1) = 32\}$$

Sequence: A169046
Score: 12.7177
Type of gen. func.: ogf

$$-32 f(x) x + f(x) - x - 1$$

Sequence: A169046
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{32 x - 1}$$

Sequence: A169046
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 32 a(n + 1), a(0) = 1, a(1) = 33\}$$

Sequence: A169047
Score: 12.7177
Type of gen. func.: ogf

$$-33 f(x) x + f(x) - x - 1$$

Sequence: A169047
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{33 x - 1}$$

Sequence: A169047
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 33 a(n + 1), a(0) = 1, a(1) = 34\}$$

Sequence: A169048
Score: 12.7177
Type of gen. func.: ogf

$$-34 f(x) x + f(x) - x - 1$$

Sequence: A169048
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{34 x - 1}$$

Sequence: A169048
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 34 a(n + 1), a(0) = 1, a(1) = 35\}$$

Sequence: A169049
Score: 12.8383
Type of gen. func.: ogf

$$-35 f(x) x + f(x) - x - 1$$

Sequence: A169049
Score: 15.5411
Type of gen. func.: ogf

$$-\frac{x + 1}{35 x - 1}$$

Sequence: A169049
Score: 7.98057
Type of gen. func.: ogf

$$\{a(n + 2) - 35 a(n + 1), a(0) = 1, a(1) = 36\}$$

Sequence: A169050
Score: 11.1854
Type of gen. func.: ogf

$$-36 f(x) x + f(x) - x - 1$$

Sequence: A169050
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{36 x - 1}$$

Sequence: A169050
Score: 6.95311
Type of gen. func.: ogf

{a(n + 2) - 36 a(n + 1), a(0) = 1, a(1) = 37}

Sequence: A169051
Score: 11.1854
Type of gen. func.: ogf

-37 f(x) x + f(x) - x - 1

Sequence: A169051
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{37 x - 1}$$

Sequence: A169051
Score: 6.95311
Type of gen. func.: ogf

{a(n + 2) - 37 a(n + 1), a(0) = 1, a(1) = 38}

Sequence: A169052
Score: 11.3032
Type of gen. func.: ogf

-38 f(x) x + f(x) - x - 1

Sequence: A169052

Score: 13.6828
Type of gen. func.: ogf

$$-\frac{x+1}{38x-1}$$

Sequence: A169052
Score: 7.02630
Type of gen. func.: ogf

{a(n + 2) - 38 a(n + 1), a(0) = 1, a(1) = 39}

Sequence: A169053
Score: 11.362
Type of gen. func.: ogf

-39 f(x) x + f(x) - x - 1

Sequence: A169053
Score: 13.7541
Type of gen. func.: ogf

$$-\frac{x+1}{39x-1}$$

Sequence: A169053
Score: 7.06289
Type of gen. func.: ogf

{a(n + 2) - 39 a(n + 1), a(0) = 1, a(1) = 40}

Sequence: A169054
Score: 11.4798
Type of gen. func.: ogf

-40 f(x) x + f(x) - x - 1

Sequence: A169054
Score: 13.8966

Type of gen. func.: ogf

$$-\frac{x + 1}{40 x - 1}$$

Sequence: A169054
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 40 a(n + 1), a(0) = 1, a(1) = 41\}$$

Sequence: A169055
Score: 11.4798
Type of gen. func.: ogf

$$-41 f(x) x + f(x) - x - 1$$

Sequence: A169055
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{41 x - 1}$$

Sequence: A169055
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 41 a(n + 1), a(0) = 1, a(1) = 42\}$$

Sequence: A169056
Score: 11.5386
Type of gen. func.: ogf

$$-42 f(x) x + f(x) - x - 1$$

Sequence: A169056
Score: 13.9678
Type of gen. func.: ogf

$$-\frac{x + 1}{42 x - 1}$$

Sequence: A169056
Score: 7.17268
Type of gen. func.: ogf

$$\{a(n + 2) - 42 a(n + 1), a(0) = 1, a(1) = 43\}$$

Sequence: A169057
Score: 11.5975
Type of gen. func.: ogf

$$-43 f(x) x + f(x) - x - 1$$

Sequence: A169057
Score: 14.0391
Type of gen. func.: ogf

$$-\frac{x + 1}{43 x - 1}$$

Sequence: A169057
Score: 7.20927
Type of gen. func.: ogf

$$\{a(n + 2) - 43 a(n + 1), a(0) = 1, a(1) = 44\}$$

Sequence: A169058
Score: 11.7153
Type of gen. func.: ogf

$$-44 f(x) x + f(x) - x - 1$$

Sequence: A169058
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{44 x - 1}$$

Sequence: A169058
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 44 a(n + 1), a(0) = 1, a(1) = 45\}$$

Sequence: A169059
Score: 11.7153
Type of gen. func.: ogf

$$-45 f(x) x + f(x) - x - 1$$

Sequence: A169059
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{45 x - 1}$$

Sequence: A169059
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 45 a(n + 1), a(0) = 1, a(1) = 46\}$$

Sequence: A169060
Score: 11.7153
Type of gen. func.: ogf

$$-46 f(x) x + f(x) - x - 1$$

Sequence: A169060
Score: 14.1816
Type of gen. func.: ogf

```
                         x + 1
                      - --------
                        46 x - 1
```

Sequence: A169060
Score: 7.28246
Type of gen. func.: ogf

```
           {a(n + 2) - 46 a(n + 1), a(0) = 1, a(1) = 47}
```

Sequence: A169061
Score: 11.9507
Type of gen. func.: ogf

```
                 -47 f(x) x + f(x) - x - 1
```

Sequence: A169061
Score: 14.4667
Type of gen. func.: ogf

```
                         x + 1
                      - --------
                        47 x - 1
```

Sequence: A169061
Score: 7.42884
Type of gen. func.: ogf

```
           {a(n + 2) - 47 a(n + 1), a(0) = 1, a(1) = 48}
```

Sequence: A169062
Score: 11.9507
Type of gen. func.: ogf

```
                 -48 f(x) x + f(x) - x - 1
```

Sequence: A169062
Score: 14.4667
Type of gen. func.: ogf

```
                         x + 1
```

```
- --------
  48 x - 1
```

Sequence: A169062
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 48 a(n + 1), a(0) = 1, a(1) = 49\}$$

Sequence: A169063
Score: 11.9507
Type of gen. func.: ogf

$$-49 f(x) x + f(x) - x - 1$$

Sequence: A169063
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{49 x - 1}$$

Sequence: A169063
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 49 a(n + 1), a(0) = 1, a(1) = 50\}$$

Sequence: A169064
Score: 4.46214
Type of gen. func.: ogf

$$\frac{3 x^{24} + x^{23} + 2 x^{7} + 2 x^{6} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{23} - 4 x^{7} + 2 x^{6} - 4 x^{5} + 2 x^{4} - 4 x^{3} + 2 x^{2} - 4 x + 2}$$

Sequence: A169065
Score: 10.2325
Type of gen. func.: ogf

$$\frac{4 x^{24} + x^{23} + 2 x + 2}{x^{23} - 6 x + 2}$$

Sequence: A169066
Score: 14.619
Type of gen. func.: ogf

$$-4 f(x) x + f(x) - x - 1$$

Sequence: A169066
Score: 17.7799
Type of gen. func.: ogf

$$-\frac{x + 1}{4 x - 1}$$

Sequence: A169066
Score: 9.13689
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 5\}$$

Sequence: A169067
Score: 13.6693
Type of gen. func.: ogf

$$-5 f(x) x + f(x) - x - 1$$

Sequence: A169067
Score: 16.6248
Type of gen. func.: ogf

$$-\frac{x + 1}{5 x - 1}$$

Sequence: A169067
Score: 8.54329
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1), a(0) = 1, a(1) = 6\}$$

Sequence: A169068
Score: 13.4636
Type of gen. func.: ogf

$$-6 f(x) x + f(x) - x - 1$$

Sequence: A169068
Score: 16.3746
Type of gen. func.: ogf

$$-\frac{x + 1}{-1 + 6 x}$$

Sequence: A169068
Score: 8.41471
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 7\}$$

Sequence: A169069
Score: 12.9815
Type of gen. func.: ogf

$$-7 f(x) x + f(x) - x - 1$$

Sequence: A169069
Score: 15.7883
Type of gen. func.: ogf

$$-\frac{x + 1}{7 x - 1}$$

Sequence: A169069

Score: 8.11343
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1), a(0) = 1, a(1) = 8\}$$

Sequence: A169070
Score: 13.6472
Type of gen. func.: ogf

$$-8 f(x) x + f(x) - x - 1$$

Sequence: A169070
Score: 16.5980
Type of gen. func.: ogf

$$-\frac{x + 1}{8 x - 1}$$

Sequence: A169070
Score: 8.52951
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 9\}$$

Sequence: A169071
Score: 12.7592
Type of gen. func.: ogf

$$-9 f(x) x + f(x) - x - 1$$

Sequence: A169071
Score: 15.5180
Type of gen. func.: ogf

$$-\frac{x + 1}{9 x - 1}$$

Sequence: A169071
Score: 7.86529

```
Type of gen. func.: ogf

                  {a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 10}


--------------------------------------------------------------------------------

Sequence:  A169072
Score: 12.0642
Type of gen. func.: ogf

                           -10 f(x) x + f(x) - x - 1


--------------------------------------------------------------------------------

Sequence:  A169072
Score: 14.6040
Type of gen. func.: ogf

                                        x + 1
                                     - --------
                                       10 x - 1


--------------------------------------------------------------------------------

Sequence:  A169072
Score: 7.49934
Type of gen. func.: ogf

                 {a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 11}


--------------------------------------------------------------------------------

Sequence:  A169073
Score: 12.0642
Type of gen. func.: ogf

                           -11 f(x) x + f(x) - x - 1


--------------------------------------------------------------------------------

Sequence:  A169073
Score: 14.6040
Type of gen. func.: ogf

                                        x + 1
                                     - --------
                                       11 x - 1


--------------------------------------------------------------------------------

Sequence:  A169073
Score: 7.49934
Type of gen. func.: ogf
```

```
                 {a(n + 2) - 11 a(n + 1), a(0) = 1, a(1) = 12}


--------------------------------------------------------------------------------

Sequence:  A169074
Score: 10.9017
Type of gen. func.: ogf

                             -12 f(x) x + f(x) - x - 1


--------------------------------------------------------------------------------

Sequence:  A169074
Score: 13.1968
Type of gen. func.: ogf

                                        x + 1
                                     - --------
                                       12 x - 1


--------------------------------------------------------------------------------

Sequence:  A169074
Score: 6.77673
Type of gen. func.: ogf

                 {a(n + 2) - 12 a(n + 1), a(0) = 1, a(1) = 13}


--------------------------------------------------------------------------------

Sequence:  A169075
Score: 11.1481
Type of gen. func.: ogf

                             -13 f(x) x + f(x) - x - 1


--------------------------------------------------------------------------------

Sequence:  A169075
Score: 13.4950
Type of gen. func.: ogf

                                        x + 1
                                     - --------
                                       13 x - 1


--------------------------------------------------------------------------------

Sequence:  A169075
Score: 6.92988
Type of gen. func.: ogf
```

$$\{a(n + 2) - 13 a(n + 1), a(0) = 1, a(1) = 14\}$$

Sequence: A169076
Score: 11.456
Type of gen. func.: ogf

$$-14 f(x) x + f(x) - x - 1$$

Sequence: A169076
Score: 13.8678
Type of gen. func.: ogf

$$-\frac{x + 1}{14 x - 1}$$

Sequence: A169076
Score: 7.12131
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1), a(0) = 1, a(1) = 15\}$$

Sequence: A169077
Score: 11.6408
Type of gen. func.: ogf

$$-15 f(x) x + f(x) - x - 1$$

Sequence: A169077
Score: 14.0915
Type of gen. func.: ogf

$$-\frac{x + 1}{15 x - 1}$$

Sequence: A169077
Score: 7.23618
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1), a(0) = 1, a(1) = 16\}$$

Sequence: A169078
Score: 11.9488
Type of gen. func.: ogf

$$-16 f(x) x + f(x) - x - 1$$

Sequence: A169078
Score: 14.4643
Type of gen. func.: ogf

$$-\frac{x + 1}{16 x - 1}$$

Sequence: A169078
Score: 7.42761
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 17\}$$

Sequence: A169079
Score: 12.1335
Type of gen. func.: ogf

$$-17 f(x) x + f(x) - x - 1$$

Sequence: A169079
Score: 14.6879
Type of gen. func.: ogf

$$-\frac{x + 1}{17 x - 1}$$

Sequence: A169079
Score: 7.54246
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1), a(0) = 1, a(1) = 18\}$$

Sequence: A169080
Score: 10.789
Type of gen. func.: ogf

$$-18 f(x) x + f(x) - x - 1$$

Sequence: A169080
Score: 13.0604
Type of gen. func.: ogf

$$-\frac{x + 1}{18 x - 1}$$

Sequence: A169080
Score: 6.70668
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1), a(0) = 1, a(1) = 19\}$$

Sequence: A169081
Score: 10.9095
Type of gen. func.: ogf

$$-19 f(x) x + f(x) - x - 1$$

Sequence: A169081
Score: 13.2063
Type of gen. func.: ogf

$$-\frac{x + 1}{19 x - 1}$$

Sequence: A169081
Score: 6.78161
Type of gen. func.: ogf

$$\{a(n + 2) - 19 a(n + 1), a(0) = 1, a(1) = 20\}$$

Sequence: A169082
Score: 11.0904
Type of gen. func.: ogf

$$-20 f(x) x + f(x) - x - 1$$

Sequence: A169082
Score: 13.4252
Type of gen. func.: ogf

$$-\frac{x + 1}{20 x - 1}$$

Sequence: A169082
Score: 6.89401
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1), a(0) = 1, a(1) = 21\}$$

Sequence: A169083
Score: 11.1506
Type of gen. func.: ogf

$$-21 f(x) x + f(x) - x - 1$$

Sequence: A169083
Score: 13.4981
Type of gen. func.: ogf

$$-\frac{x + 1}{21 x - 1}$$

Sequence: A169083
Score: 6.93147
Type of gen. func.: ogf

$$\{a(n + 2) - 21 a(n + 1), a(0) = 1, a(1) = 22\}$$

Sequence: A169084
Score: 11.452
Type of gen. func.: ogf

$$-22 f(x) x + f(x) - x - 1$$

Sequence: A169084
Score: 13.8629
Type of gen. func.: ogf

$$-\frac{x + 1}{22 x - 1}$$

Sequence: A169084
Score: 7.11881
Type of gen. func.: ogf

$$\{a(n + 2) - 22 a(n + 1), a(0) = 1, a(1) = 23\}$$

Sequence: A169085
Score: 11.5123
Type of gen. func.: ogf

$$-23 f(x) x + f(x) - x - 1$$

Sequence: A169085
Score: 13.9359
Type of gen. func.: ogf

$$-\frac{x + 1}{23 x - 1}$$

Sequence: A169085
Score: 7.15628
Type of gen. func.: ogf

$$\{a(n + 2) - 23 a(n + 1), a(0) = 1, a(1) = 24\}$$

Sequence: A169086
Score: 11.6328
Type of gen. func.: ogf

$$-24 f(x) x + f(x) - x - 1$$

Sequence: A169086
Score: 14.0818
Type of gen. func.: ogf

$$-\frac{x + 1}{24 x - 1}$$

Sequence: A169086
Score: 7.23122
Type of gen. func.: ogf

$$\{a(n + 2) - 24 a(n + 1), a(0) = 1, a(1) = 25\}$$

Sequence: A169087
Score: 11.7534
Type of gen. func.: ogf

$$-25 f(x) x + f(x) - x - 1$$

Sequence: A169087
Score: 14.2278
Type of gen. func.: ogf

$$-\frac{x + 1}{25 x - 1}$$

Sequence: A169087
Score: 7.30615
Type of gen. func.: ogf

$$\{a(n + 2) - 25 a(n + 1), a(0) = 1, a(1) = 26\}$$

Sequence: A169088
Score: 11.8739
Type of gen. func.: ogf

$$-26 f(x) x + f(x) - x - 1$$

Sequence: A169088
Score: 14.3737
Type of gen. func.: ogf

$$-\frac{x + 1}{26 x - 1}$$

Sequence: A169088
Score: 7.38108
Type of gen. func.: ogf

$$\{a(n + 2) - 26 a(n + 1), a(0) = 1, a(1) = 27\}$$

Sequence: A169089
Score: 12.0547
Type of gen. func.: ogf

$$-27 f(x) x + f(x) - x - 1$$

Sequence: A169089
Score: 14.5926
Type of gen. func.: ogf

$$-\frac{x + 1}{27 x - 1}$$

Sequence: A169089
Score: 7.49349
Type of gen. func.: ogf

$$\{a(n + 2) - 27 a(n + 1), a(0) = 1, a(1) = 28\}$$

Sequence: A169090
Score: 12.115
Type of gen. func.: ogf

```
-28 f(x) x + f(x) - x - 1
```

Sequence: A169090
Score: 14.6656
Type of gen. func.: ogf

```
   x + 1
- --------
  28 x - 1
```

Sequence: A169090
Score: 7.53096
Type of gen. func.: ogf

```
{a(n + 2) - 28 a(n + 1), a(0) = 1, a(1) = 29}
```

Sequence: A169091
Score: 12.2356
Type of gen. func.: ogf

```
-29 f(x) x + f(x) - x - 1
```

Sequence: A169091
Score: 14.8115
Type of gen. func.: ogf

```
   x + 1
- --------
  29 x - 1
```

Sequence: A169091
Score: 7.60589
Type of gen. func.: ogf

```
{a(n + 2) - 29 a(n + 1), a(0) = 1, a(1) = 30}
```

Sequence: A169092

Score: 12.2958
Type of gen. func.: ogf

$$-30 f(x) x + f(x) - x - 1$$

Sequence: A169092
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{30 x - 1}$$

Sequence: A169092
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 30 a(n + 1), a(0) = 1, a(1) = 31\}$$

Sequence: A169093
Score: 12.2958
Type of gen. func.: ogf

$$-31 f(x) x + f(x) - x - 1$$

Sequence: A169093
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{31 x - 1}$$

Sequence: A169093
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 31 a(n + 1), a(0) = 1, a(1) = 32\}$$

Sequence: A169094
Score: 12.7177

Type of gen. func.: ogf

$$-32 f(x) x + f(x) - x - 1$$

Sequence: A169094
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{32 x - 1}$$

Sequence: A169094
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 32 a(n + 1), a(0) = 1, a(1) = 33\}$$

Sequence: A169095
Score: 12.7177
Type of gen. func.: ogf

$$-33 f(x) x + f(x) - x - 1$$

Sequence: A169095
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{33 x - 1}$$

Sequence: A169095
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 33 a(n + 1), a(0) = 1, a(1) = 34\}$$

Sequence: A169096
Score: 12.7177
Type of gen. func.: ogf

```
                              -34 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169096
Score: 15.3952
Type of gen. func.: ogf

                                          x + 1
                                      - --------
                                        34 x - 1



------------------------------------------------------------------------------

Sequence:  A169096
Score: 7.90562
Type of gen. func.: ogf

                 {a(n + 2) - 34 a(n + 1), a(0) = 1, a(1) = 35}



------------------------------------------------------------------------------

Sequence:  A169097
Score: 12.8383
Type of gen. func.: ogf

                              -35 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169097
Score: 15.5411
Type of gen. func.: ogf

                                          x + 1
                                      - --------
                                        35 x - 1



------------------------------------------------------------------------------

Sequence:  A169097
Score: 7.98057
Type of gen. func.: ogf

                 {a(n + 2) - 35 a(n + 1), a(0) = 1, a(1) = 36}



------------------------------------------------------------------------------

Sequence:  A169098
Score: 11.1854
Type of gen. func.: ogf
```

$$-36 f(x) x + f(x) - x - 1$$

Sequence: A169098
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{36 x - 1}$$

Sequence: A169098
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 36 a(n + 1), a(0) = 1, a(1) = 37\}$$

Sequence: A169099
Score: 11.1854
Type of gen. func.: ogf

$$-37 f(x) x + f(x) - x - 1$$

Sequence: A169099
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{37 x - 1}$$

Sequence: A169099
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 37 a(n + 1), a(0) = 1, a(1) = 38\}$$

Sequence: A169100
Score: 11.3032
Type of gen. func.: ogf

$$-38 f(x) x + f(x) - x - 1$$

Sequence: A169100
Score: 13.6828
Type of gen. func.: ogf

$$-\frac{x + 1}{38 x - 1}$$

Sequence: A169100
Score: 7.02630
Type of gen. func.: ogf

$$\{a(n + 2) - 38 a(n + 1), a(0) = 1, a(1) = 39\}$$

Sequence: A169101
Score: 11.362
Type of gen. func.: ogf

$$-39 f(x) x + f(x) - x - 1$$

Sequence: A169101
Score: 13.7541
Type of gen. func.: ogf

$$-\frac{x + 1}{39 x - 1}$$

Sequence: A169101
Score: 7.06289
Type of gen. func.: ogf

$$\{a(n + 2) - 39 a(n + 1), a(0) = 1, a(1) = 40\}$$

Sequence: A169102
Score: 11.4798
Type of gen. func.: ogf

$$-40 f(x) x + f(x) - x - 1$$

Sequence: A169102
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{40 x - 1}$$

Sequence: A169102
Score: 7.13608
Type of gen. func.: ogf

{a(n + 2) - 40 a(n + 1), a(0) = 1, a(1) = 41}

Sequence: A169103
Score: 11.4798
Type of gen. func.: ogf

-41 f(x) x + f(x) - x - 1

Sequence: A169103
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{41 x - 1}$$

Sequence: A169103
Score: 7.13608
Type of gen. func.: ogf

{a(n + 2) - 41 a(n + 1), a(0) = 1, a(1) = 42}

Sequence: A169104
Score: 11.5386
Type of gen. func.: ogf

-42 f(x) x + f(x) - x - 1

```
------------------------------------------------------------------------------

Sequence:  A169104
Score: 13.9678
Type of gen. func.: ogf

                                      x + 1
                                   - --------
                                     42 x - 1


------------------------------------------------------------------------------

Sequence:  A169104
Score: 7.17268
Type of gen. func.: ogf

                 {a(n + 2) - 42 a(n + 1), a(0) = 1, a(1) = 43}


------------------------------------------------------------------------------

Sequence:  A169105
Score: 11.5975
Type of gen. func.: ogf

                           -43 f(x) x + f(x) - x - 1


------------------------------------------------------------------------------

Sequence:  A169105
Score: 14.0391
Type of gen. func.: ogf

                                      x + 1
                                   - --------
                                     43 x - 1


------------------------------------------------------------------------------

Sequence:  A169105
Score: 7.20927
Type of gen. func.: ogf

                 {a(n + 2) - 43 a(n + 1), a(0) = 1, a(1) = 44}


------------------------------------------------------------------------------

Sequence:  A169106
Score: 11.7153
Type of gen. func.: ogf

                           -44 f(x) x + f(x) - x - 1
```

Sequence: A169106
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{44 x - 1}$$

Sequence: A169106
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 44 a(n + 1), a(0) = 1, a(1) = 45\}$$

Sequence: A169107
Score: 11.7153
Type of gen. func.: ogf

$$-45 f(x) x + f(x) - x - 1$$

Sequence: A169107
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{45 x - 1}$$

Sequence: A169107
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 45 a(n + 1), a(0) = 1, a(1) = 46\}$$

Sequence: A169108
Score: 11.7153
Type of gen. func.: ogf

$$-46 f(x) x + f(x) - x - 1$$

Sequence: A169108
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{46 x - 1}$$

Sequence: A169108
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 46 a(n + 1), a(0) = 1, a(1) = 47\}$$

Sequence: A169109
Score: 11.9507
Type of gen. func.: ogf

$$-47 f(x) x + f(x) - x - 1$$

Sequence: A169109
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{47 x - 1}$$

Sequence: A169109
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 47 a(n + 1), a(0) = 1, a(1) = 48\}$$

Sequence: A169110
Score: 11.9507
Type of gen. func.: ogf

$$-48 f(x) x + f(x) - x - 1$$

Sequence: A169110
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x+1}{48x-1}$$

Sequence: A169110
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n+2)-48\,a(n+1),\ a(0)=1,\ a(1)=49\}$$

Sequence: A169111
Score: 11.9507
Type of gen. func.: ogf

$$-49\,f(x)\,x+f(x)-x-1$$

Sequence: A169111
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x+1}{49x-1}$$

Sequence: A169111
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n+2)-49\,a(n+1),\ a(0)=1,\ a(1)=50\}$$

Sequence: A169112
Score: 5.57767
Type of gen. func.: ogf

$$\frac{3x^{25}+x^{24}+2x^5+2x^4+2x^3+2x^2+2x+2}{x^{24}-4x^5+2x^4-4x^3+2x^2-4x+2}$$

Sequence: A169113
Score: 14.5528
Type of gen. func.: ogf

$$-3 f(x) x + f(x) - x - 1$$

Sequence: A169113
Score: 17.6994
Type of gen. func.: ogf

$$-\frac{x + 1}{3 x - 1}$$

Sequence: A169113
Score: 9.09553
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 4\}$$

Sequence: A169114
Score: 14.619
Type of gen. func.: ogf

$$-4 f(x) x + f(x) - x - 1$$

Sequence: A169114
Score: 17.7799
Type of gen. func.: ogf

$$-\frac{x + 1}{4 x - 1}$$

Sequence: A169114
Score: 9.13689
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 5\}$$

Sequence: A169115
Score: 13.6693
Type of gen. func.: ogf

$$-5 f(x) x + f(x) - x - 1$$

Sequence: A169115
Score: 16.6248
Type of gen. func.: ogf

$$-\frac{x + 1}{5 x - 1}$$

Sequence: A169115
Score: 8.54329
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1), a(0) = 1, a(1) = 6\}$$

Sequence: A169116
Score: 13.4636
Type of gen. func.: ogf

$$-6 f(x) x + f(x) - x - 1$$

Sequence: A169116
Score: 16.3746
Type of gen. func.: ogf

$$-\frac{x + 1}{-1 + 6 x}$$

Sequence: A169116
Score: 8.41471
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 7\}$$

Sequence: A169117
Score: 12.9815
Type of gen. func.: ogf

$$-7 f(x) x + f(x) - x - 1$$

Sequence: A169117
Score: 15.7883
Type of gen. func.: ogf

$$-\frac{x + 1}{7 x - 1}$$

Sequence: A169117
Score: 8.11343
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1), a(0) = 1, a(1) = 8\}$$

Sequence: A169118
Score: 13.6472
Type of gen. func.: ogf

$$-8 f(x) x + f(x) - x - 1$$

Sequence: A169118
Score: 16.5980
Type of gen. func.: ogf

$$-\frac{x + 1}{8 x - 1}$$

Sequence: A169118
Score: 8.52951
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 9\}$$

Sequence: A169119
Score: 12.7592
Type of gen. func.: ogf

$$-9 f(x) x + f(x) - x - 1$$

Sequence: A169119
Score: 15.5180
Type of gen. func.: ogf

$$-\frac{x + 1}{9 x - 1}$$

Sequence: A169119
Score: 7.86529
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 10\}$$

Sequence: A169120
Score: 12.0642
Type of gen. func.: ogf

$$-10 f(x) x + f(x) - x - 1$$

Sequence: A169120
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x + 1}{10 x - 1}$$

Sequence: A169120
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 11\}$$

Sequence: A169121
Score: 12.0642
Type of gen. func.: ogf

$$-11 f(x) x + f(x) - x - 1$$

Sequence: A169121
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x + 1}{11 x - 1}$$

Sequence: A169121
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1), a(0) = 1, a(1) = 12\}$$

Sequence: A169122
Score: 10.9017
Type of gen. func.: ogf

$$-12 f(x) x + f(x) - x - 1$$

Sequence: A169122
Score: 13.1968
Type of gen. func.: ogf

$$-\frac{x + 1}{12 x - 1}$$

Sequence: A169122
Score: 6.77673
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1), a(0) = 1, a(1) = 13\}$$

Sequence: A169123

Score: 11.1481
Type of gen. func.: ogf

$$-13 f(x) x + f(x) - x - 1$$

Sequence: A169123
Score: 13.4950
Type of gen. func.: ogf

$$-\frac{x + 1}{13 x - 1}$$

Sequence: A169123
Score: 6.92988
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1), a(0) = 1, a(1) = 14\}$$

Sequence: A169124
Score: 11.456
Type of gen. func.: ogf

$$-14 f(x) x + f(x) - x - 1$$

Sequence: A169124
Score: 13.8678
Type of gen. func.: ogf

$$-\frac{x + 1}{14 x - 1}$$

Sequence: A169124
Score: 7.12131
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1), a(0) = 1, a(1) = 15\}$$

Sequence: A169125
Score: 11.6408

Type of gen. func.: ogf

$$-15 f(x) x + f(x) - x - 1$$

Sequence: A169125
Score: 14.0915
Type of gen. func.: ogf

$$-\frac{x + 1}{15 x - 1}$$

Sequence: A169125
Score: 7.23618
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1), a(0) = 1, a(1) = 16\}$$

Sequence: A169126
Score: 11.9488
Type of gen. func.: ogf

$$-16 f(x) x + f(x) - x - 1$$

Sequence: A169126
Score: 14.4643
Type of gen. func.: ogf

$$-\frac{x + 1}{16 x - 1}$$

Sequence: A169126
Score: 7.42761
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 17\}$$

Sequence: A169127
Score: 12.1335
Type of gen. func.: ogf

```
                           -17 f(x) x + f(x) - x - 1


------------------------------------------------------------------------------

Sequence:  A169127
Score: 14.6879
Type of gen. func.: ogf

                                          x + 1
                                       - --------
                                         17 x - 1


------------------------------------------------------------------------------

Sequence:  A169127
Score: 7.54246
Type of gen. func.: ogf

                 {a(n + 2) - 17 a(n + 1), a(0) = 1, a(1) = 18}


------------------------------------------------------------------------------

Sequence:  A169128
Score: 10.789
Type of gen. func.: ogf

                           -18 f(x) x + f(x) - x - 1


------------------------------------------------------------------------------

Sequence:  A169128
Score: 13.0604
Type of gen. func.: ogf

                                          x + 1
                                       - --------
                                         18 x - 1


------------------------------------------------------------------------------

Sequence:  A169128
Score: 6.70668
Type of gen. func.: ogf

                 {a(n + 2) - 18 a(n + 1), a(0) = 1, a(1) = 19}


------------------------------------------------------------------------------

Sequence:  A169129
Score: 10.9095
Type of gen. func.: ogf
```

```
                              -19 f(x) x + f(x) - x - 1
```

Sequence: A169129
Score: 13.2063
Type of gen. func.: ogf

```
                                          x + 1
                                      - --------
                                        19 x - 1
```

Sequence: A169129
Score: 6.78161
Type of gen. func.: ogf

```
                    {a(n + 2) - 19 a(n + 1), a(0) = 1, a(1) = 20}
```

Sequence: A169130
Score: 11.0904
Type of gen. func.: ogf

```
                              -20 f(x) x + f(x) - x - 1
```

Sequence: A169130
Score: 13.4252
Type of gen. func.: ogf

```
                                          x + 1
                                      - --------
                                        20 x - 1
```

Sequence: A169130
Score: 6.89401
Type of gen. func.: ogf

```
                    {a(n + 2) - 20 a(n + 1), a(0) = 1, a(1) = 21}
```

Sequence: A169131
Score: 11.1506
Type of gen. func.: ogf

```
                              -21 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A169131
Score: 13.4981
Type of gen. func.: ogf


                                          x + 1
                                       - --------
                                         21 x - 1



--------------------------------------------------------------------------------

Sequence:  A169131
Score: 6.93147
Type of gen. func.: ogf


                 {a(n + 2) - 21 a(n + 1), a(0) = 1, a(1) = 22}



--------------------------------------------------------------------------------

Sequence:  A169132
Score: 11.452
Type of gen. func.: ogf


                              -22 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A169132
Score: 13.8629
Type of gen. func.: ogf


                                          x + 1
                                       - --------
                                         22 x - 1



--------------------------------------------------------------------------------

Sequence:  A169132
Score: 7.11881
Type of gen. func.: ogf


                 {a(n + 2) - 22 a(n + 1), a(0) = 1, a(1) = 23}



--------------------------------------------------------------------------------

Sequence:  A169133
Score: 11.5123
Type of gen. func.: ogf


                              -23 f(x) x + f(x) - x - 1
```

Sequence: A169133
Score: 13.9359
Type of gen. func.: ogf

$$-\frac{x + 1}{23 x - 1}$$

Sequence: A169133
Score: 7.15628
Type of gen. func.: ogf

$$\{a(n + 2) - 23 a(n + 1), a(0) = 1, a(1) = 24\}$$

Sequence: A169134
Score: 11.6328
Type of gen. func.: ogf

$$-24 f(x) x + f(x) - x - 1$$

Sequence: A169134
Score: 14.0818
Type of gen. func.: ogf

$$-\frac{x + 1}{24 x - 1}$$

Sequence: A169134
Score: 7.23122
Type of gen. func.: ogf

$$\{a(n + 2) - 24 a(n + 1), a(0) = 1, a(1) = 25\}$$

Sequence: A169135
Score: 11.7534
Type of gen. func.: ogf

$$-25 f(x) x + f(x) - x - 1$$

Sequence: A169135
Score: 14.2278
Type of gen. func.: ogf

$$-\frac{x + 1}{25 x - 1}$$

Sequence: A169135
Score: 7.30615
Type of gen. func.: ogf

{a(n + 2) - 25 a(n + 1), a(0) = 1, a(1) = 26}

Sequence: A169136
Score: 11.8739
Type of gen. func.: ogf

-26 f(x) x + f(x) - x - 1

Sequence: A169136
Score: 14.3737
Type of gen. func.: ogf

$$-\frac{x + 1}{26 x - 1}$$

Sequence: A169136
Score: 7.38108
Type of gen. func.: ogf

{a(n + 2) - 26 a(n + 1), a(0) = 1, a(1) = 27}

Sequence: A169137
Score: 12.0547
Type of gen. func.: ogf

-27 f(x) x + f(x) - x - 1

```
-------------------------------------------------------------------------------

Sequence:  A169137
Score: 14.5926
Type of gen. func.: ogf


                                          x + 1
                                       - --------
                                         27 x - 1



-------------------------------------------------------------------------------

Sequence:  A169137
Score: 7.49349
Type of gen. func.: ogf


                 {a(n + 2) - 27 a(n + 1), a(0) = 1, a(1) = 28}



-------------------------------------------------------------------------------

Sequence:  A169138
Score: 12.115
Type of gen. func.: ogf


                             -28 f(x) x + f(x) - x - 1



-------------------------------------------------------------------------------

Sequence:  A169138
Score: 14.6656
Type of gen. func.: ogf


                                          x + 1
                                       - --------
                                         28 x - 1



-------------------------------------------------------------------------------

Sequence:  A169138
Score: 7.53096
Type of gen. func.: ogf


                 {a(n + 2) - 28 a(n + 1), a(0) = 1, a(1) = 29}



-------------------------------------------------------------------------------

Sequence:  A169139
Score: 12.2356
Type of gen. func.: ogf


                             -29 f(x) x + f(x) - x - 1
```

Sequence: A169139
Score: 14.8115
Type of gen. func.: ogf

$$-\frac{x + 1}{29 x - 1}$$

Sequence: A169139
Score: 7.60589
Type of gen. func.: ogf

$$\{a(n + 2) - 29 a(n + 1), a(0) = 1, a(1) = 30\}$$

Sequence: A169140
Score: 12.2958
Type of gen. func.: ogf

$$-30 f(x) x + f(x) - x - 1$$

Sequence: A169140
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{30 x - 1}$$

Sequence: A169140
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 30 a(n + 1), a(0) = 1, a(1) = 31\}$$

Sequence: A169141
Score: 12.2958
Type of gen. func.: ogf

$$-31 f(x) x + f(x) - x - 1$$

Sequence: A169141
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{31 x - 1}$$

Sequence: A169141
Score: 7.64335
Type of gen. func.: ogf

{a(n + 2) - 31 a(n + 1), a(0) = 1, a(1) = 32}

Sequence: A169142
Score: 12.7177
Type of gen. func.: ogf

-32 f(x) x + f(x) - x - 1

Sequence: A169142
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{32 x - 1}$$

Sequence: A169142
Score: 7.90562
Type of gen. func.: ogf

{a(n + 2) - 32 a(n + 1), a(0) = 1, a(1) = 33}

Sequence: A169143
Score: 12.7177
Type of gen. func.: ogf

-33 f(x) x + f(x) - x - 1

Sequence: A169143

Score: 15.3952

Type of gen. func.: ogf

$$-\frac{x + 1}{33 x - 1}$$

Sequence: A169143

Score: 7.90562

Type of gen. func.: ogf

$$\{a(n + 2) - 33 a(n + 1), a(0) = 1, a(1) = 34\}$$

Sequence: A169144

Score: 12.7177

Type of gen. func.: ogf

$$-34 f(x) x + f(x) - x - 1$$

Sequence: A169144

Score: 15.3952

Type of gen. func.: ogf

$$-\frac{x + 1}{34 x - 1}$$

Sequence: A169144

Score: 7.90562

Type of gen. func.: ogf

$$\{a(n + 2) - 34 a(n + 1), a(0) = 1, a(1) = 35\}$$

Sequence: A169145

Score: 12.8383

Type of gen. func.: ogf

$$-35 f(x) x + f(x) - x - 1$$

Sequence: A169145

Score: 15.5411
Type of gen. func.: ogf

$$-\frac{x + 1}{35 x - 1}$$

Sequence: A169145
Score: 7.98057
Type of gen. func.: ogf

$$\{a(n + 2) - 35 a(n + 1), a(0) = 1, a(1) = 36\}$$

Sequence: A169146
Score: 11.1854
Type of gen. func.: ogf

$$-36 f(x) x + f(x) - x - 1$$

Sequence: A169146
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{36 x - 1}$$

Sequence: A169146
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 36 a(n + 1), a(0) = 1, a(1) = 37\}$$

Sequence: A169147
Score: 11.1854
Type of gen. func.: ogf

$$-37 f(x) x + f(x) - x - 1$$

Sequence: A169147
Score: 13.5403

Type of gen. func.: ogf

$$-\frac{x + 1}{37 x - 1}$$

Sequence: A169147
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 37 a(n + 1), a(0) = 1, a(1) = 38\}$$

Sequence: A169148
Score: 11.3032
Type of gen. func.: ogf

$$-38 f(x) x + f(x) - x - 1$$

Sequence: A169148
Score: 13.6828
Type of gen. func.: ogf

$$-\frac{x + 1}{38 x - 1}$$

Sequence: A169148
Score: 7.02630
Type of gen. func.: ogf

$$\{a(n + 2) - 38 a(n + 1), a(0) = 1, a(1) = 39\}$$

Sequence: A169149
Score: 11.362
Type of gen. func.: ogf

$$-39 f(x) x + f(x) - x - 1$$

Sequence: A169149
Score: 13.7541
Type of gen. func.: ogf

$$-\frac{x+1}{39x-1}$$

Sequence: A169149
Score: 7.06289
Type of gen. func.: ogf

$$\{a(n+2) - 39\,a(n+1),\ a(0) = 1,\ a(1) = 40\}$$

Sequence: A169150
Score: 11.4798
Type of gen. func.: ogf

$$-40\,f(x)\,x + f(x) - x - 1$$

Sequence: A169150
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x+1}{40x-1}$$

Sequence: A169150
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n+2) - 40\,a(n+1),\ a(0) = 1,\ a(1) = 41\}$$

Sequence: A169151
Score: 11.4798
Type of gen. func.: ogf

$$-41\,f(x)\,x + f(x) - x - 1$$

Sequence: A169151
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{41 x - 1}$$

Sequence: A169151
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 41 a(n + 1), a(0) = 1, a(1) = 42\}$$

Sequence: A169152
Score: 11.5386
Type of gen. func.: ogf

$$-42 f(x) x + f(x) - x - 1$$

Sequence: A169152
Score: 13.9678
Type of gen. func.: ogf

$$-\frac{x + 1}{42 x - 1}$$

Sequence: A169152
Score: 7.17268
Type of gen. func.: ogf

$$\{a(n + 2) - 42 a(n + 1), a(0) = 1, a(1) = 43\}$$

Sequence: A169153
Score: 11.5975
Type of gen. func.: ogf

$$-43 f(x) x + f(x) - x - 1$$

Sequence: A169153
Score: 14.0391
Type of gen. func.: ogf

$$-\frac{x + 1}{43 x - 1}$$

Sequence: A169153
Score: 7.20927
Type of gen. func.: ogf

$$\{a(n + 2) - 43 a(n + 1), a(0) = 1, a(1) = 44\}$$

Sequence: A169154
Score: 11.7153
Type of gen. func.: ogf

$$-44 f(x) x + f(x) - x - 1$$

Sequence: A169154
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{44 x - 1}$$

Sequence: A169154
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 44 a(n + 1), a(0) = 1, a(1) = 45\}$$

Sequence: A169155
Score: 11.7153
Type of gen. func.: ogf

$$-45 f(x) x + f(x) - x - 1$$

Sequence: A169155
Score: 14.1816
Type of gen. func.: ogf

$$x + 1$$

```
                                    - --------
                                      45 x - 1



--------------------------------------------------------------------------------

Sequence:  A169155
Score: 7.28246
Type of gen. func.: ogf


                 {a(n + 2) - 45 a(n + 1), a(0) = 1, a(1) = 46}



--------------------------------------------------------------------------------

Sequence:  A169156
Score: 11.7153
Type of gen. func.: ogf


                           -46 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A169156
Score: 14.1816
Type of gen. func.: ogf


                                       x + 1
                                    - --------
                                      46 x - 1



--------------------------------------------------------------------------------

Sequence:  A169156
Score: 7.28246
Type of gen. func.: ogf


                 {a(n + 2) - 46 a(n + 1), a(0) = 1, a(1) = 47}



--------------------------------------------------------------------------------

Sequence:  A169157
Score: 11.9507
Type of gen. func.: ogf


                           -47 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A169157
Score: 14.4667
Type of gen. func.: ogf


                                       x + 1
                                    - --------
```

```
                                      47 x - 1



------------------------------------------------------------------------------

Sequence:  A169157
Score: 7.42884
Type of gen. func.: ogf


                 {a(n + 2) - 47 a(n + 1), a(0) = 1, a(1) = 48}



------------------------------------------------------------------------------

Sequence:  A169158
Score: 11.9507
Type of gen. func.: ogf


                           -48 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169158
Score: 14.4667
Type of gen. func.: ogf


                                       x + 1
                                    - --------
                                      48 x - 1



------------------------------------------------------------------------------

Sequence:  A169158
Score: 7.42884
Type of gen. func.: ogf


                 {a(n + 2) - 48 a(n + 1), a(0) = 1, a(1) = 49}



------------------------------------------------------------------------------

Sequence:  A169159
Score: 11.9507
Type of gen. func.: ogf


                           -49 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169159
Score: 14.4667
Type of gen. func.: ogf


                                       x + 1
                                    - --------
                                      49 x - 1
```

Sequence: A169159
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 49 a(n + 1), a(0) = 1, a(1) = 50\}$$

Sequence: A169160
Score: 5.57767
Type of gen. func.: ogf

$$\frac{3 x^{26} + x^{25} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{25} - 4 x^{5} + 2 x^{4} - 4 x^{3} + 2 x^{2} - 4 x + 2}$$

Sequence: A169161
Score: 14.5528
Type of gen. func.: ogf

$$-3 f(x) x + f(x) - x - 1$$

Sequence: A169161
Score: 17.6994
Type of gen. func.: ogf

$$-\frac{x + 1}{3 x - 1}$$

Sequence: A169161
Score: 9.09553
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 4\}$$

Sequence: A169162
Score: 14.619
Type of gen. func.: ogf

```
                            -4 f(x) x + f(x) - x - 1


------------------------------------------------------------------------------

Sequence:  A169162
Score: 17.7799
Type of gen. func.: ogf

                                       x + 1
                                    - -------
                                      4 x - 1


------------------------------------------------------------------------------

Sequence:  A169162
Score: 9.13689
Type of gen. func.: ogf

                  {a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 5}


------------------------------------------------------------------------------

Sequence:  A169163
Score: 13.6693
Type of gen. func.: ogf

                            -5 f(x) x + f(x) - x - 1


------------------------------------------------------------------------------

Sequence:  A169163
Score: 16.6248
Type of gen. func.: ogf

                                       x + 1
                                    - -------
                                      5 x - 1


------------------------------------------------------------------------------

Sequence:  A169163
Score: 8.54329
Type of gen. func.: ogf

                  {a(n + 2) - 5 a(n + 1), a(0) = 1, a(1) = 6}


------------------------------------------------------------------------------

Sequence:  A169164
Score: 13.4636
Type of gen. func.: ogf

                            -6 f(x) x + f(x) - x - 1
```

Sequence: A169164
Score: 16.3746
Type of gen. func.: ogf

$$-\frac{x + 1}{-1 + 6 x}$$

Sequence: A169164
Score: 8.41471
Type of gen. func.: ogf

{a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 7}

Sequence: A169165
Score: 12.9815
Type of gen. func.: ogf

-7 f(x) x + f(x) - x - 1

Sequence: A169165
Score: 15.7883
Type of gen. func.: ogf

$$-\frac{x + 1}{7 x - 1}$$

Sequence: A169165
Score: 8.11343
Type of gen. func.: ogf

{a(n + 2) - 7 a(n + 1), a(0) = 1, a(1) = 8}

Sequence: A169166
Score: 13.6472
Type of gen. func.: ogf

-8 f(x) x + f(x) - x - 1

```
-------------------------------------------------------------------------------

Sequence:  A169166
Score: 16.5980
Type of gen. func.: ogf

                                        x + 1
                                     - -------
                                       8 x - 1



-------------------------------------------------------------------------------

Sequence:  A169166
Score: 8.52951
Type of gen. func.: ogf

                  {a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 9}



-------------------------------------------------------------------------------

Sequence:  A169167
Score: 12.7592
Type of gen. func.: ogf

                            -9 f(x) x + f(x) - x - 1



-------------------------------------------------------------------------------

Sequence:  A169167
Score: 15.5180
Type of gen. func.: ogf

                                        x + 1
                                     - -------
                                       9 x - 1



-------------------------------------------------------------------------------

Sequence:  A169167
Score: 7.86529
Type of gen. func.: ogf

                  {a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 10}



-------------------------------------------------------------------------------

Sequence:  A169168
Score: 12.0642
Type of gen. func.: ogf

                           -10 f(x) x + f(x) - x - 1
```

Sequence: A169168
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x + 1}{10 x - 1}$$

Sequence: A169168
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 11\}$$

Sequence: A169169
Score: 12.0642
Type of gen. func.: ogf

$$-11 f(x) x + f(x) - x - 1$$

Sequence: A169169
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x + 1}{11 x - 1}$$

Sequence: A169169
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1), a(0) = 1, a(1) = 12\}$$

Sequence: A169170
Score: 10.9017
Type of gen. func.: ogf

$$-12 f(x) x + f(x) - x - 1$$

Sequence: A169170
Score: 13.1968
Type of gen. func.: ogf

$$-\frac{x + 1}{12 x - 1}$$

Sequence: A169170
Score: 6.77673
Type of gen. func.: ogf

{a(n + 2) - 12 a(n + 1), a(0) = 1, a(1) = 13}

Sequence: A169171
Score: 11.1481
Type of gen. func.: ogf

-13 f(x) x + f(x) - x - 1

Sequence: A169171
Score: 13.4950
Type of gen. func.: ogf

$$-\frac{x + 1}{13 x - 1}$$

Sequence: A169171
Score: 6.92988
Type of gen. func.: ogf

{a(n + 2) - 13 a(n + 1), a(0) = 1, a(1) = 14}

Sequence: A169172
Score: 11.456
Type of gen. func.: ogf

-14 f(x) x + f(x) - x - 1

Sequence: A169172
Score: 13.8678
Type of gen. func.: ogf

$$-\frac{x + 1}{14 x - 1}$$

Sequence: A169172
Score: 7.12131
Type of gen. func.: ogf

{a(n + 2) - 14 a(n + 1), a(0) = 1, a(1) = 15}

Sequence: A169173
Score: 11.6408
Type of gen. func.: ogf

-15 f(x) x + f(x) - x - 1

Sequence: A169173
Score: 14.0915
Type of gen. func.: ogf

$$-\frac{x + 1}{15 x - 1}$$

Sequence: A169173
Score: 7.23618
Type of gen. func.: ogf

{a(n + 2) - 15 a(n + 1), a(0) = 1, a(1) = 16}

Sequence: A169174
Score: 11.9488
Type of gen. func.: ogf

-16 f(x) x + f(x) - x - 1

Sequence: A169174
Score: 14.4643
Type of gen. func.: ogf

$$-\frac{x + 1}{16 x - 1}$$

Sequence: A169174
Score: 7.42761
Type of gen. func.: ogf

{a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 17}

Sequence: A169175
Score: 12.1335
Type of gen. func.: ogf

-17 f(x) x + f(x) - x - 1

Sequence: A169175
Score: 14.6879
Type of gen. func.: ogf

$$-\frac{x + 1}{17 x - 1}$$

Sequence: A169175
Score: 7.54246
Type of gen. func.: ogf

{a(n + 2) - 17 a(n + 1), a(0) = 1, a(1) = 18}

Sequence: A169176
Score: 10.789
Type of gen. func.: ogf

-18 f(x) x + f(x) - x - 1

Sequence: A169176

Score: 13.0604
Type of gen. func.: ogf

$$-\frac{x + 1}{18 x - 1}$$

Sequence: A169176
Score: 6.70668
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1), a(0) = 1, a(1) = 19\}$$

Sequence: A169177
Score: 10.9095
Type of gen. func.: ogf

$$-19 f(x) x + f(x) - x - 1$$

Sequence: A169177
Score: 13.2063
Type of gen. func.: ogf

$$-\frac{x + 1}{19 x - 1}$$

Sequence: A169177
Score: 6.78161
Type of gen. func.: ogf

$$\{a(n + 2) - 19 a(n + 1), a(0) = 1, a(1) = 20\}$$

Sequence: A169178
Score: 11.0904
Type of gen. func.: ogf

$$-20 f(x) x + f(x) - x - 1$$

Sequence: A169178
Score: 13.4252

Type of gen. func.: ogf

$$-\frac{x + 1}{20 x - 1}$$

Sequence: A169178
Score: 6.89401
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1), a(0) = 1, a(1) = 21\}$$

Sequence: A169179
Score: 11.1506
Type of gen. func.: ogf

$$-21 f(x) x + f(x) - x - 1$$

Sequence: A169179
Score: 13.4981
Type of gen. func.: ogf

$$-\frac{x + 1}{21 x - 1}$$

Sequence: A169179
Score: 6.93147
Type of gen. func.: ogf

$$\{a(n + 2) - 21 a(n + 1), a(0) = 1, a(1) = 22\}$$

Sequence: A169180
Score: 11.452
Type of gen. func.: ogf

$$-22 f(x) x + f(x) - x - 1$$

Sequence: A169180
Score: 13.8629
Type of gen. func.: ogf

```
                                       x + 1
                                    - --------
                                      22 x - 1


------------------------------------------------------------------------------

Sequence:  A169180
Score: 7.11881
Type of gen. func.: ogf

                 {a(n + 2) - 22 a(n + 1), a(0) = 1, a(1) = 23}


------------------------------------------------------------------------------

Sequence:  A169181
Score: 11.5123
Type of gen. func.: ogf

                           -23 f(x) x + f(x) - x - 1


------------------------------------------------------------------------------

Sequence:  A169181
Score: 13.9359
Type of gen. func.: ogf

                                       x + 1
                                    - --------
                                      23 x - 1


------------------------------------------------------------------------------

Sequence:  A169181
Score: 7.15628
Type of gen. func.: ogf

                 {a(n + 2) - 23 a(n + 1), a(0) = 1, a(1) = 24}


------------------------------------------------------------------------------

Sequence:  A169182
Score: 11.6328
Type of gen. func.: ogf

                           -24 f(x) x + f(x) - x - 1


------------------------------------------------------------------------------

Sequence:  A169182
Score: 14.0818
Type of gen. func.: ogf
```

$$-\frac{x + 1}{24 x - 1}$$

Sequence: A169182
Score: 7.23122
Type of gen. func.: ogf

$$\{a(n + 2) - 24 a(n + 1), a(0) = 1, a(1) = 25\}$$

Sequence: A169183
Score: 11.7534
Type of gen. func.: ogf

$$-25 f(x) x + f(x) - x - 1$$

Sequence: A169183
Score: 14.2278
Type of gen. func.: ogf

$$-\frac{x + 1}{25 x - 1}$$

Sequence: A169183
Score: 7.30615
Type of gen. func.: ogf

$$\{a(n + 2) - 25 a(n + 1), a(0) = 1, a(1) = 26\}$$

Sequence: A169184
Score: 11.8739
Type of gen. func.: ogf

$$-26 f(x) x + f(x) - x - 1$$

Sequence: A169184
Score: 14.3737
Type of gen. func.: ogf

$$-\frac{x + 1}{26 x - 1}$$

Sequence: A169184
Score: 7.38108
Type of gen. func.: ogf

$$\{a(n + 2) - 26 a(n + 1), a(0) = 1, a(1) = 27\}$$

Sequence: A169185
Score: 12.0547
Type of gen. func.: ogf

$$-27 f(x) x + f(x) - x - 1$$

Sequence: A169185
Score: 14.5926
Type of gen. func.: ogf

$$-\frac{x + 1}{27 x - 1}$$

Sequence: A169185
Score: 7.49349
Type of gen. func.: ogf

$$\{a(n + 2) - 27 a(n + 1), a(0) = 1, a(1) = 28\}$$

Sequence: A169186
Score: 12.115
Type of gen. func.: ogf

$$-28 f(x) x + f(x) - x - 1$$

Sequence: A169186
Score: 14.6656
Type of gen. func.: ogf

$$x + 1$$

```
                                   - --------
                                     28 x - 1



------------------------------------------------------------------------------

Sequence:  A169186
Score: 7.53096
Type of gen. func.: ogf


                 {a(n + 2) - 28 a(n + 1), a(0) = 1, a(1) = 29}



------------------------------------------------------------------------------

Sequence:  A169187
Score: 12.2356
Type of gen. func.: ogf


                           -29 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169187
Score: 14.8115
Type of gen. func.: ogf


                                      x + 1
                                   - --------
                                     29 x - 1



------------------------------------------------------------------------------

Sequence:  A169187
Score: 7.60589
Type of gen. func.: ogf


                 {a(n + 2) - 29 a(n + 1), a(0) = 1, a(1) = 30}



------------------------------------------------------------------------------

Sequence:  A169188
Score: 12.2958
Type of gen. func.: ogf


                           -30 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169188
Score: 14.8844
Type of gen. func.: ogf


                                      x + 1
                                   - --------
```

```
                                     30 x - 1



------------------------------------------------------------------------------

Sequence:  A169188
Score: 7.64335
Type of gen. func.: ogf


                 {a(n + 2) - 30 a(n + 1), a(0) = 1, a(1) = 31}



------------------------------------------------------------------------------

Sequence:  A169189
Score: 12.2958
Type of gen. func.: ogf


                           -31 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169189
Score: 14.8844
Type of gen. func.: ogf


                                      x + 1
                                   - --------
                                     31 x - 1



------------------------------------------------------------------------------

Sequence:  A169189
Score: 7.64335
Type of gen. func.: ogf


                 {a(n + 2) - 31 a(n + 1), a(0) = 1, a(1) = 32}



------------------------------------------------------------------------------

Sequence:  A169190
Score: 12.7177
Type of gen. func.: ogf


                           -32 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169190
Score: 15.3952
Type of gen. func.: ogf


                                      x + 1
                                   - --------
                                     32 x - 1
```

Sequence: A169190
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 32 a(n + 1), a(0) = 1, a(1) = 33\}$$

Sequence: A169191
Score: 12.7177
Type of gen. func.: ogf

$$-33 f(x) x + f(x) - x - 1$$

Sequence: A169191
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{33 x - 1}$$

Sequence: A169191
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 33 a(n + 1), a(0) = 1, a(1) = 34\}$$

Sequence: A169192
Score: 12.7177
Type of gen. func.: ogf

$$-34 f(x) x + f(x) - x - 1$$

Sequence: A169192
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{34 x - 1}$$

```
--------------------------------------------------------------------------------

Sequence:  A169192
Score: 7.90562
Type of gen. func.: ogf

                 {a(n + 2) - 34 a(n + 1), a(0) = 1, a(1) = 35}


--------------------------------------------------------------------------------

Sequence:  A169193
Score: 12.8383
Type of gen. func.: ogf

                           -35 f(x) x + f(x) - x - 1


--------------------------------------------------------------------------------

Sequence:  A169193
Score: 15.5411
Type of gen. func.: ogf

                                          x + 1
                                      - --------
                                         35 x - 1


--------------------------------------------------------------------------------

Sequence:  A169193
Score: 7.98057
Type of gen. func.: ogf

                 {a(n + 2) - 35 a(n + 1), a(0) = 1, a(1) = 36}


--------------------------------------------------------------------------------

Sequence:  A169194
Score: 11.1854
Type of gen. func.: ogf

                           -36 f(x) x + f(x) - x - 1


--------------------------------------------------------------------------------

Sequence:  A169194
Score: 13.5403
Type of gen. func.: ogf

                                          x + 1
                                      - --------
                                         36 x - 1
```

Sequence: A169194
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 36 a(n + 1), a(0) = 1, a(1) = 37\}$$

Sequence: A169195
Score: 11.1854
Type of gen. func.: ogf

$$-37 f(x) x + f(x) - x - 1$$

Sequence: A169195
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{37 x - 1}$$

Sequence: A169195
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 37 a(n + 1), a(0) = 1, a(1) = 38\}$$

Sequence: A169196
Score: 11.3032
Type of gen. func.: ogf

$$-38 f(x) x + f(x) - x - 1$$

Sequence: A169196
Score: 13.6828
Type of gen. func.: ogf

$$-\frac{x + 1}{38 x - 1}$$

Sequence: A169196
Score: 7.02630
Type of gen. func.: ogf

$$\{a(n + 2) - 38 a(n + 1), a(0) = 1, a(1) = 39\}$$

Sequence: A169197
Score: 11.362
Type of gen. func.: ogf

$$-39 f(x) x + f(x) - x - 1$$

Sequence: A169197
Score: 13.7541
Type of gen. func.: ogf

$$-\frac{x + 1}{39 x - 1}$$

Sequence: A169197
Score: 7.06289
Type of gen. func.: ogf

$$\{a(n + 2) - 39 a(n + 1), a(0) = 1, a(1) = 40\}$$

Sequence: A169198
Score: 11.4798
Type of gen. func.: ogf

$$-40 f(x) x + f(x) - x - 1$$

Sequence: A169198
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{40 x - 1}$$

Sequence: A169198
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 40 a(n + 1), a(0) = 1, a(1) = 41\}$$

Sequence: A169199
Score: 11.4798
Type of gen. func.: ogf

$$-41 f(x) x + f(x) - x - 1$$

Sequence: A169199
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{41 x - 1}$$

Sequence: A169199
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 41 a(n + 1), a(0) = 1, a(1) = 42\}$$

Sequence: A169200
Score: 11.5386
Type of gen. func.: ogf

$$-42 f(x) x + f(x) - x - 1$$

Sequence: A169200
Score: 13.9678
Type of gen. func.: ogf

$$-\frac{x + 1}{42 x - 1}$$

Sequence: A169200
Score: 7.17268
Type of gen. func.: ogf

$$\{a(n+2) - 42\, a(n+1),\ a(0) = 1,\ a(1) = 43\}$$

Sequence: A169201
Score: 11.5975
Type of gen. func.: ogf

$$-43\, f(x)\, x + f(x) - x - 1$$

Sequence: A169201
Score: 14.0391
Type of gen. func.: ogf

$$-\frac{x + 1}{43\, x - 1}$$

Sequence: A169201
Score: 7.20927
Type of gen. func.: ogf

$$\{a(n+2) - 43\, a(n+1),\ a(0) = 1,\ a(1) = 44\}$$

Sequence: A169202
Score: 11.7153
Type of gen. func.: ogf

$$-44\, f(x)\, x + f(x) - x - 1$$

Sequence: A169202
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{44\, x - 1}$$

Sequence: A169202

```
Score: 7.28246
Type of gen. func.: ogf


                 {a(n + 2) - 44 a(n + 1), a(0) = 1, a(1) = 45}



------------------------------------------------------------------------------

Sequence:  A169203
Score: 11.7153
Type of gen. func.: ogf


                           -45 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169203
Score: 14.1816
Type of gen. func.: ogf


                                        x + 1
                                     - --------
                                       45 x - 1



------------------------------------------------------------------------------

Sequence:  A169203
Score: 7.28246
Type of gen. func.: ogf


                 {a(n + 2) - 45 a(n + 1), a(0) = 1, a(1) = 46}



------------------------------------------------------------------------------

Sequence:  A169204
Score: 11.7153
Type of gen. func.: ogf


                           -46 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169204
Score: 14.1816
Type of gen. func.: ogf


                                        x + 1
                                     - --------
                                       46 x - 1



------------------------------------------------------------------------------

Sequence:  A169204
Score: 7.28246
```

```
Type of gen. func.: ogf


                 {a(n + 2) - 46 a(n + 1), a(0) = 1, a(1) = 47}



------------------------------------------------------------------------------

Sequence:  A169205
Score: 11.9507
Type of gen. func.: ogf


                           -47 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169205
Score: 14.4667
Type of gen. func.: ogf


                                         x + 1
                                      - --------
                                        47 x - 1



------------------------------------------------------------------------------

Sequence:  A169205
Score: 7.42884
Type of gen. func.: ogf


                 {a(n + 2) - 47 a(n + 1), a(0) = 1, a(1) = 48}



------------------------------------------------------------------------------

Sequence:  A169206
Score: 11.9507
Type of gen. func.: ogf


                           -48 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169206
Score: 14.4667
Type of gen. func.: ogf


                                         x + 1
                                      - --------
                                        48 x - 1



------------------------------------------------------------------------------

Sequence:  A169206
Score: 7.42884
Type of gen. func.: ogf
```

$$\{a(n + 2) - 48 a(n + 1), a(0) = 1, a(1) = 49\}$$

Sequence: A169207
Score: 11.9507
Type of gen. func.: ogf

$$-49 f(x) x + f(x) - x - 1$$

Sequence: A169207
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{49 x - 1}$$

Sequence: A169207
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 49 a(n + 1), a(0) = 1, a(1) = 50\}$$

Sequence: A169208
Score: 7.43690
Type of gen. func.: ogf

$$\frac{3 x^{27} + x^{26} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{26} - 4 x^{3} + 2 x^{2} - 4 x + 2}$$

Sequence: A169209
Score: 14.5528
Type of gen. func.: ogf

$$-3 f(x) x + f(x) - x - 1$$

Sequence: A169209
Score: 17.6994

```
Type of gen. func.: ogf


                                       x + 1
                                    - -------
                                      3 x - 1



--------------------------------------------------------------------------------

Sequence:  A169209
Score: 9.09553
Type of gen. func.: ogf


                  {a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 4}



--------------------------------------------------------------------------------

Sequence:  A169210
Score: 14.619
Type of gen. func.: ogf


                            -4 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A169210
Score: 17.7799
Type of gen. func.: ogf


                                       x + 1
                                    - -------
                                      4 x - 1



--------------------------------------------------------------------------------

Sequence:  A169210
Score: 9.13689
Type of gen. func.: ogf


                  {a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 5}



--------------------------------------------------------------------------------

Sequence:  A169211
Score: 13.6693
Type of gen. func.: ogf


                            -5 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A169211
Score: 16.6248
Type of gen. func.: ogf
```

$$-\frac{x + 1}{5 x - 1}$$

Sequence: A169211
Score: 8.54329
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1), a(0) = 1, a(1) = 6\}$$

Sequence: A169212
Score: 13.4636
Type of gen. func.: ogf

$$-6 f(x) x + f(x) - x - 1$$

Sequence: A169212
Score: 16.3746
Type of gen. func.: ogf

$$-\frac{x + 1}{-1 + 6 x}$$

Sequence: A169212
Score: 8.41471
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 7\}$$

Sequence: A169213
Score: 12.9815
Type of gen. func.: ogf

$$-7 f(x) x + f(x) - x - 1$$

Sequence: A169213
Score: 15.7883
Type of gen. func.: ogf

$$-\frac{x + 1}{7 x - 1}$$

Sequence: A169213
Score: 8.11343
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1), a(0) = 1, a(1) = 8\}$$

Sequence: A169214
Score: 13.6472
Type of gen. func.: ogf

$$-8 f(x) x + f(x) - x - 1$$

Sequence: A169214
Score: 16.5980
Type of gen. func.: ogf

$$-\frac{x + 1}{8 x - 1}$$

Sequence: A169214
Score: 8.52951
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 9\}$$

Sequence: A169215
Score: 12.7592
Type of gen. func.: ogf

$$-9 f(x) x + f(x) - x - 1$$

Sequence: A169215
Score: 15.5180
Type of gen. func.: ogf

$$-\frac{x + 1}{9 x - 1}$$

Sequence: A169215
Score: 7.86529
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 10\}$$

Sequence: A169216
Score: 12.0642
Type of gen. func.: ogf

$$-10 f(x) x + f(x) - x - 1$$

Sequence: A169216
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x + 1}{10 x - 1}$$

Sequence: A169216
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 11\}$$

Sequence: A169217
Score: 12.0642
Type of gen. func.: ogf

$$-11 f(x) x + f(x) - x - 1$$

Sequence: A169217
Score: 14.6040
Type of gen. func.: ogf

$$x + 1$$

```
                                     - --------
                                       11 x - 1
```

Sequence: A169217
Score: 7.49934
Type of gen. func.: ogf

```
                 {a(n + 2) - 11 a(n + 1), a(0) = 1, a(1) = 12}
```

Sequence: A169218
Score: 10.9017
Type of gen. func.: ogf

```
                           -12 f(x) x + f(x) - x - 1
```

Sequence: A169218
Score: 13.1968
Type of gen. func.: ogf

```
                                        x + 1
                                     - --------
                                       12 x - 1
```

Sequence: A169218
Score: 6.77673
Type of gen. func.: ogf

```
                 {a(n + 2) - 12 a(n + 1), a(0) = 1, a(1) = 13}
```

Sequence: A169219
Score: 11.1481
Type of gen. func.: ogf

```
                           -13 f(x) x + f(x) - x - 1
```

Sequence: A169219
Score: 13.4950
Type of gen. func.: ogf

```
                                        x + 1
                                     - --------
```

13 x - 1

Sequence: A169219
Score: 6.92988
Type of gen. func.: ogf

{a(n + 2) - 13 a(n + 1), a(0) = 1, a(1) = 14}

Sequence: A169220
Score: 11.456
Type of gen. func.: ogf

-14 f(x) x + f(x) - x - 1

Sequence: A169220
Score: 13.8678
Type of gen. func.: ogf

$$-\frac{x + 1}{14 x - 1}$$

Sequence: A169220
Score: 7.12131
Type of gen. func.: ogf

{a(n + 2) - 14 a(n + 1), a(0) = 1, a(1) = 15}

Sequence: A169221
Score: 11.6408
Type of gen. func.: ogf

-15 f(x) x + f(x) - x - 1

Sequence: A169221
Score: 14.0915
Type of gen. func.: ogf

$$-\frac{x + 1}{15 x - 1}$$

Sequence: A169221
Score: 7.23618
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1), a(0) = 1, a(1) = 16\}$$

Sequence: A169222
Score: 11.9488
Type of gen. func.: ogf

$$-16 f(x) x + f(x) - x - 1$$

Sequence: A169222
Score: 14.4643
Type of gen. func.: ogf

$$-\frac{x + 1}{16 x - 1}$$

Sequence: A169222
Score: 7.42761
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 17\}$$

Sequence: A169223
Score: 12.1335
Type of gen. func.: ogf

$$-17 f(x) x + f(x) - x - 1$$

Sequence: A169223
Score: 14.6879
Type of gen. func.: ogf

$$-\frac{x + 1}{17 x - 1}$$

Sequence: A169223
Score: 7.54246
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1), a(0) = 1, a(1) = 18\}$$

Sequence: A169224
Score: 10.789
Type of gen. func.: ogf

$$-18 f(x) x + f(x) - x - 1$$

Sequence: A169224
Score: 13.0604
Type of gen. func.: ogf

$$-\frac{x + 1}{18 x - 1}$$

Sequence: A169224
Score: 6.70668
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1), a(0) = 1, a(1) = 19\}$$

Sequence: A169225
Score: 10.9095
Type of gen. func.: ogf

$$-19 f(x) x + f(x) - x - 1$$

Sequence: A169225
Score: 13.2063
Type of gen. func.: ogf

$$-\frac{x + 1}{19 x - 1}$$

Sequence: A169225
Score: 6.78161
Type of gen. func.: ogf

$$\{a(n + 2) - 19 a(n + 1), a(0) = 1, a(1) = 20\}$$

Sequence: A169226
Score: 11.0904
Type of gen. func.: ogf

$$-20 f(x) x + f(x) - x - 1$$

Sequence: A169226
Score: 13.4252
Type of gen. func.: ogf

$$-\frac{x + 1}{20 x - 1}$$

Sequence: A169226
Score: 6.89401
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1), a(0) = 1, a(1) = 21\}$$

Sequence: A169227
Score: 11.1506
Type of gen. func.: ogf

$$-21 f(x) x + f(x) - x - 1$$

Sequence: A169227
Score: 13.4981
Type of gen. func.: ogf

$$-\frac{x + 1}{21 x - 1}$$

Sequence: A169227
Score: 6.93147
Type of gen. func.: ogf

$$\{a(n + 2) - 21 a(n + 1), a(0) = 1, a(1) = 22\}$$

Sequence: A169228
Score: 11.452
Type of gen. func.: ogf

$$-22 f(x) x + f(x) - x - 1$$

Sequence: A169228
Score: 13.8629
Type of gen. func.: ogf

$$-\frac{x + 1}{22 x - 1}$$

Sequence: A169228
Score: 7.11881
Type of gen. func.: ogf

$$\{a(n + 2) - 22 a(n + 1), a(0) = 1, a(1) = 23\}$$

Sequence: A169229
Score: 11.5123
Type of gen. func.: ogf

$$-23 f(x) x + f(x) - x - 1$$

Sequence: A169229
Score: 13.9359
Type of gen. func.: ogf

$$-\frac{x + 1}{23 x - 1}$$

Sequence: A169229
Score: 7.15628
Type of gen. func.: ogf

$$\{a(n + 2) - 23 a(n + 1), a(0) = 1, a(1) = 24\}$$

Sequence: A169230
Score: 11.6328
Type of gen. func.: ogf

$$-24 f(x) x + f(x) - x - 1$$

Sequence: A169230
Score: 14.0818
Type of gen. func.: ogf

$$-\frac{x + 1}{24 x - 1}$$

Sequence: A169230
Score: 7.23122
Type of gen. func.: ogf

$$\{a(n + 2) - 24 a(n + 1), a(0) = 1, a(1) = 25\}$$

Sequence: A169231
Score: 11.7534
Type of gen. func.: ogf

$$-25 f(x) x + f(x) - x - 1$$

Sequence: A169231
Score: 14.2278
Type of gen. func.: ogf

$$-\frac{x + 1}{25 x - 1}$$

Sequence: A169231
Score: 7.30615
Type of gen. func.: ogf

$$\{a(n + 2) - 25 a(n + 1), a(0) = 1, a(1) = 26\}$$

Sequence: A169232
Score: 11.8739
Type of gen. func.: ogf

$$-26 f(x) x + f(x) - x - 1$$

Sequence: A169232
Score: 14.3737
Type of gen. func.: ogf

$$-\frac{x + 1}{26 x - 1}$$

Sequence: A169232
Score: 7.38108
Type of gen. func.: ogf

$$\{a(n + 2) - 26 a(n + 1), a(0) = 1, a(1) = 27\}$$

Sequence: A169233
Score: 12.0547
Type of gen. func.: ogf

$$-27 f(x) x + f(x) - x - 1$$

Sequence: A169233
Score: 14.5926
Type of gen. func.: ogf

$$-\frac{x + 1}{27 x - 1}$$

Sequence: A169233

```
Score: 7.49349
Type of gen. func.: ogf


                 {a(n + 2) - 27 a(n + 1), a(0) = 1, a(1) = 28}



--------------------------------------------------------------------------------

Sequence:  A169234
Score: 12.115
Type of gen. func.: ogf


                           -28 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A169234
Score: 14.6656
Type of gen. func.: ogf


                                      x + 1
                                   - --------
                                     28 x - 1



--------------------------------------------------------------------------------

Sequence:  A169234
Score: 7.53096
Type of gen. func.: ogf


                 {a(n + 2) - 28 a(n + 1), a(0) = 1, a(1) = 29}



--------------------------------------------------------------------------------

Sequence:  A169235
Score: 12.2356
Type of gen. func.: ogf


                           -29 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A169235
Score: 14.8115
Type of gen. func.: ogf


                                      x + 1
                                   - --------
                                     29 x - 1



--------------------------------------------------------------------------------

Sequence:  A169235
Score: 7.60589
```

Type of gen. func.: ogf

$$\{a(n + 2) - 29 a(n + 1), a(0) = 1, a(1) = 30\}$$

Sequence: A169236
Score: 12.2958
Type of gen. func.: ogf

$$-30 f(x) x + f(x) - x - 1$$

Sequence: A169236
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{30 x - 1}$$

Sequence: A169236
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 30 a(n + 1), a(0) = 1, a(1) = 31\}$$

Sequence: A169237
Score: 12.2958
Type of gen. func.: ogf

$$-31 f(x) x + f(x) - x - 1$$

Sequence: A169237
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{31 x - 1}$$

Sequence: A169237
Score: 7.64335
Type of gen. func.: ogf

{a(n + 2) - 31 a(n + 1), a(0) = 1, a(1) = 32}

Sequence: A169238
Score: 12.7177
Type of gen. func.: ogf

-32 f(x) x + f(x) - x - 1

Sequence: A169238
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{32 x - 1}$$

Sequence: A169238
Score: 7.90562
Type of gen. func.: ogf

{a(n + 2) - 32 a(n + 1), a(0) = 1, a(1) = 33}

Sequence: A169239
Score: 12.7177
Type of gen. func.: ogf

-33 f(x) x + f(x) - x - 1

Sequence: A169239
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{33 x - 1}$$

Sequence: A169239
Score: 7.90562
Type of gen. func.: ogf

{a(n + 2) - 33 a(n + 1), a(0) = 1, a(1) = 34}

Sequence: A169240
Score: 12.7177
Type of gen. func.: ogf

-34 f(x) x + f(x) - x - 1

Sequence: A169240
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{34 x - 1}$$

Sequence: A169240
Score: 7.90562
Type of gen. func.: ogf

{a(n + 2) - 34 a(n + 1), a(0) = 1, a(1) = 35}

Sequence: A169241
Score: 12.8383
Type of gen. func.: ogf

-35 f(x) x + f(x) - x - 1

Sequence: A169241
Score: 15.5411
Type of gen. func.: ogf

$$-\frac{x + 1}{35 x - 1}$$

Sequence: A169241
Score: 7.98057
Type of gen. func.: ogf

```
{a(n + 2) - 35 a(n + 1), a(0) = 1, a(1) = 36}
```

Sequence: A169242
Score: 11.1854
Type of gen. func.: ogf

```
-36 f(x) x + f(x) - x - 1
```

Sequence: A169242
Score: 13.5403
Type of gen. func.: ogf

```
   x + 1
- --------
  36 x - 1
```

Sequence: A169242
Score: 6.95311
Type of gen. func.: ogf

```
{a(n + 2) - 36 a(n + 1), a(0) = 1, a(1) = 37}
```

Sequence: A169243
Score: 11.1854
Type of gen. func.: ogf

```
-37 f(x) x + f(x) - x - 1
```

Sequence: A169243
Score: 13.5403
Type of gen. func.: ogf

```
   x + 1
- --------
  37 x - 1
```

Sequence: A169243
Score: 6.95311
Type of gen. func.: ogf

```
{a(n + 2) - 37 a(n + 1), a(0) = 1, a(1) = 38}
```

Sequence: A169244
Score: 11.3032
Type of gen. func.: ogf

$$-38 f(x) x + f(x) - x - 1$$

Sequence: A169244
Score: 13.6828
Type of gen. func.: ogf

$$-\frac{x + 1}{38 x - 1}$$

Sequence: A169244
Score: 7.02630
Type of gen. func.: ogf

$$\{a(n + 2) - 38 a(n + 1), a(0) = 1, a(1) = 39\}$$

Sequence: A169245
Score: 11.362
Type of gen. func.: ogf

$$-39 f(x) x + f(x) - x - 1$$

Sequence: A169245
Score: 13.7541
Type of gen. func.: ogf

$$-\frac{x + 1}{39 x - 1}$$

Sequence: A169245
Score: 7.06289
Type of gen. func.: ogf

$$\{a(n + 2) - 39 a(n + 1), a(0) = 1, a(1) = 40\}$$

Sequence: A169246
Score: 11.4798
Type of gen. func.: ogf

$$-40 f(x) x + f(x) - x - 1$$

Sequence: A169246
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{40 x - 1}$$

Sequence: A169246
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 40 a(n + 1), a(0) = 1, a(1) = 41\}$$

Sequence: A169247
Score: 11.4798
Type of gen. func.: ogf

$$-41 f(x) x + f(x) - x - 1$$

Sequence: A169247
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{41 x - 1}$$

Sequence: A169247
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 41 a(n + 1), a(0) = 1, a(1) = 42\}$$

Sequence: A169248
Score: 11.5386
Type of gen. func.: ogf

$$-42 f(x) x + f(x) - x - 1$$

Sequence: A169248
Score: 13.9678
Type of gen. func.: ogf

$$-\frac{x + 1}{42 x - 1}$$

Sequence: A169248
Score: 7.17268
Type of gen. func.: ogf

$$\{a(n + 2) - 42 a(n + 1), a(0) = 1, a(1) = 43\}$$

Sequence: A169249
Score: 11.5975
Type of gen. func.: ogf

$$-43 f(x) x + f(x) - x - 1$$

Sequence: A169249
Score: 14.0391
Type of gen. func.: ogf

$$-\frac{x + 1}{43 x - 1}$$

Sequence: A169249
Score: 7.20927
Type of gen. func.: ogf

$$\{a(n + 2) - 43 a(n + 1), a(0) = 1, a(1) = 44\}$$

Sequence: A169250
Score: 11.7153
Type of gen. func.: ogf

$$-44 f(x) x + f(x) - x - 1$$

Sequence: A169250
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{44 x - 1}$$

Sequence: A169250
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 44 a(n + 1), a(0) = 1, a(1) = 45\}$$

Sequence: A169251
Score: 11.7153
Type of gen. func.: ogf

$$-45 f(x) x + f(x) - x - 1$$

Sequence: A169251
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{45 x - 1}$$

Sequence: A169251
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 45 a(n + 1), a(0) = 1, a(1) = 46\}$$

Sequence: A169252
Score: 11.7153
Type of gen. func.: ogf

$$-46 f(x) x + f(x) - x - 1$$

Sequence: A169252
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{46 x - 1}$$

Sequence: A169252
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 46 a(n + 1), a(0) = 1, a(1) = 47\}$$

Sequence: A169253
Score: 11.9507
Type of gen. func.: ogf

$$-47 f(x) x + f(x) - x - 1$$

Sequence: A169253
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{47 x - 1}$$

Sequence: A169253
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 47 a(n + 1), a(0) = 1, a(1) = 48\}$$

Sequence: A169254
Score: 11.9507
Type of gen. func.: ogf

$$-48 f(x) x + f(x) - x - 1$$

Sequence: A169254
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{48 x - 1}$$

Sequence: A169254
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 48 a(n + 1), a(0) = 1, a(1) = 49\}$$

Sequence: A169255
Score: 11.9507
Type of gen. func.: ogf

$$-49 f(x) x + f(x) - x - 1$$

Sequence: A169255
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{49 x - 1}$$

Sequence: A169255
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 49 a(n + 1), a(0) = 1, a(1) = 50\}$$

Sequence: A169256

Score: 7.43690
Type of gen. func.: ogf

$$\frac{3 x^{28} + x^{27} + 2 x^{3} + 2 x^{2} + 2 x + 2}{x^{27} - 4 x^{3} + 2 x^{2} - 4 x + 2}$$

Sequence: A169257
Score: 14.5528
Type of gen. func.: ogf

$$-3 f(x) x + f(x) - x - 1$$

Sequence: A169257
Score: 17.6994
Type of gen. func.: ogf

$$-\frac{x + 1}{3 x - 1}$$

Sequence: A169257
Score: 9.09553
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 4\}$$

Sequence: A169258
Score: 14.619
Type of gen. func.: ogf

$$-4 f(x) x + f(x) - x - 1$$

Sequence: A169258
Score: 17.7799
Type of gen. func.: ogf

$$-\frac{x + 1}{4 x - 1}$$

Sequence: A169258
Score: 9.13689
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 5\}$$

Sequence: A169259
Score: 13.6693
Type of gen. func.: ogf

$$-5 f(x) x + f(x) - x - 1$$

Sequence: A169259
Score: 16.6248
Type of gen. func.: ogf

$$-\frac{x + 1}{5 x - 1}$$

Sequence: A169259
Score: 8.54329
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1), a(0) = 1, a(1) = 6\}$$

Sequence: A169260
Score: 13.4636
Type of gen. func.: ogf

$$-6 f(x) x + f(x) - x - 1$$

Sequence: A169260
Score: 16.3746
Type of gen. func.: ogf

$$-\frac{x + 1}{-1 + 6 x}$$

Sequence: A169260
Score: 8.41471
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 7\}$$

Sequence: A169261
Score: 12.9815
Type of gen. func.: ogf

$$-7 f(x) x + f(x) - x - 1$$

Sequence: A169261
Score: 15.7883
Type of gen. func.: ogf

$$-\frac{x + 1}{7 x - 1}$$

Sequence: A169261
Score: 8.11343
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1), a(0) = 1, a(1) = 8\}$$

Sequence: A169262
Score: 13.6472
Type of gen. func.: ogf

$$-8 f(x) x + f(x) - x - 1$$

Sequence: A169262
Score: 16.5980
Type of gen. func.: ogf

$$-\frac{x + 1}{8 x - 1}$$

Sequence: A169262
Score: 8.52951
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 9\}$$

Sequence: A169263
Score: 12.7592
Type of gen. func.: ogf

$$-9 f(x) x + f(x) - x - 1$$

Sequence: A169263
Score: 15.5180
Type of gen. func.: ogf

$$-\frac{x + 1}{9 x - 1}$$

Sequence: A169263
Score: 7.86529
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 10\}$$

Sequence: A169264
Score: 12.0642
Type of gen. func.: ogf

$$-10 f(x) x + f(x) - x - 1$$

Sequence: A169264
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x + 1}{10 x - 1}$$

Sequence: A169264

```
Score: 7.49934
Type of gen. func.: ogf


                 {a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 11}



------------------------------------------------------------------------------

Sequence:  A169265
Score: 12.0642
Type of gen. func.: ogf


                           -11 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169265
Score: 14.6040
Type of gen. func.: ogf


                                        x + 1
                                     - --------
                                       11 x - 1



------------------------------------------------------------------------------

Sequence:  A169265
Score: 7.49934
Type of gen. func.: ogf


                 {a(n + 2) - 11 a(n + 1), a(0) = 1, a(1) = 12}



------------------------------------------------------------------------------

Sequence:  A169266
Score: 10.9017
Type of gen. func.: ogf


                           -12 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169266
Score: 13.1968
Type of gen. func.: ogf


                                        x + 1
                                     - --------
                                       12 x - 1



------------------------------------------------------------------------------

Sequence:  A169266
Score: 6.77673
```

Type of gen. func.: ogf

{a(n + 2) - 12 a(n + 1), a(0) = 1, a(1) = 13}

Sequence: A169267
Score: 11.1481
Type of gen. func.: ogf

-13 f(x) x + f(x) - x - 1

Sequence: A169267
Score: 13.4950
Type of gen. func.: ogf

$$-\frac{x + 1}{13 x - 1}$$

Sequence: A169267
Score: 6.92988
Type of gen. func.: ogf

{a(n + 2) - 13 a(n + 1), a(0) = 1, a(1) = 14}

Sequence: A169268
Score: 11.456
Type of gen. func.: ogf

-14 f(x) x + f(x) - x - 1

Sequence: A169268
Score: 13.8678
Type of gen. func.: ogf

$$-\frac{x + 1}{14 x - 1}$$

Sequence: A169268
Score: 7.12131
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1), a(0) = 1, a(1) = 15\}$$

Sequence: A169269
Score: 11.6408
Type of gen. func.: ogf

$$-15 f(x) x + f(x) - x - 1$$

Sequence: A169269
Score: 14.0915
Type of gen. func.: ogf

$$-\frac{x + 1}{15 x - 1}$$

Sequence: A169269
Score: 7.23618
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1), a(0) = 1, a(1) = 16\}$$

Sequence: A169270
Score: 11.9488
Type of gen. func.: ogf

$$-16 f(x) x + f(x) - x - 1$$

Sequence: A169270
Score: 14.4643
Type of gen. func.: ogf

$$-\frac{x + 1}{16 x - 1}$$

Sequence: A169270
Score: 7.42761
Type of gen. func.: ogf

```
                {a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 17}


--------------------------------------------------------------------------------

Sequence:  A169271
Score: 12.1335
Type of gen. func.: ogf

                        -17 f(x) x + f(x) - x - 1


--------------------------------------------------------------------------------

Sequence:  A169271
Score: 14.6879
Type of gen. func.: ogf

                                  x + 1
                              - --------
                                17 x - 1


--------------------------------------------------------------------------------

Sequence:  A169271
Score: 7.54246
Type of gen. func.: ogf

                {a(n + 2) - 17 a(n + 1), a(0) = 1, a(1) = 18}


--------------------------------------------------------------------------------

Sequence:  A169272
Score: 10.789
Type of gen. func.: ogf

                        -18 f(x) x + f(x) - x - 1


--------------------------------------------------------------------------------

Sequence:  A169272
Score: 13.0604
Type of gen. func.: ogf

                                  x + 1
                              - --------
                                18 x - 1


--------------------------------------------------------------------------------

Sequence:  A169272
Score: 6.70668
Type of gen. func.: ogf
```

$$\{a(n + 2) - 18 a(n + 1), a(0) = 1, a(1) = 19\}$$

Sequence: A169273
Score: 10.9095
Type of gen. func.: ogf

$$-19 f(x) x + f(x) - x - 1$$

Sequence: A169273
Score: 13.2063
Type of gen. func.: ogf

$$-\frac{x + 1}{19 x - 1}$$

Sequence: A169273
Score: 6.78161
Type of gen. func.: ogf

$$\{a(n + 2) - 19 a(n + 1), a(0) = 1, a(1) = 20\}$$

Sequence: A169274
Score: 11.0904
Type of gen. func.: ogf

$$-20 f(x) x + f(x) - x - 1$$

Sequence: A169274
Score: 13.4252
Type of gen. func.: ogf

$$-\frac{x + 1}{20 x - 1}$$

Sequence: A169274
Score: 6.89401
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1), a(0) = 1, a(1) = 21\}$$

```
--------------------------------------------------------------------------------

Sequence:  A169275
Score: 11.1506
Type of gen. func.: ogf


                           -21 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A169275
Score: 13.4981
Type of gen. func.: ogf


                                         x + 1
                                     - --------
                                        21 x - 1



--------------------------------------------------------------------------------

Sequence:  A169275
Score: 6.93147
Type of gen. func.: ogf


                 {a(n + 2) - 21 a(n + 1), a(0) = 1, a(1) = 22}



--------------------------------------------------------------------------------

Sequence:  A169276
Score: 11.452
Type of gen. func.: ogf


                           -22 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A169276
Score: 13.8629
Type of gen. func.: ogf


                                         x + 1
                                     - --------
                                        22 x - 1



--------------------------------------------------------------------------------

Sequence:  A169276
Score: 7.11881
Type of gen. func.: ogf


                 {a(n + 2) - 22 a(n + 1), a(0) = 1, a(1) = 23}
```

Sequence: A169277
Score: 11.5123
Type of gen. func.: ogf

$$-23 f(x) x + f(x) - x - 1$$

Sequence: A169277
Score: 13.9359
Type of gen. func.: ogf

$$-\frac{x + 1}{23 x - 1}$$

Sequence: A169277
Score: 7.15628
Type of gen. func.: ogf

$$\{a(n + 2) - 23 a(n + 1), a(0) = 1, a(1) = 24\}$$

Sequence: A169278
Score: 11.6328
Type of gen. func.: ogf

$$-24 f(x) x + f(x) - x - 1$$

Sequence: A169278
Score: 14.0818
Type of gen. func.: ogf

$$-\frac{x + 1}{24 x - 1}$$

Sequence: A169278
Score: 7.23122
Type of gen. func.: ogf

$$\{a(n + 2) - 24 a(n + 1), a(0) = 1, a(1) = 25\}$$

Sequence: A169279
Score: 11.7534
Type of gen. func.: ogf

$$-25 f(x) x + f(x) - x - 1$$

Sequence: A169279
Score: 14.2278
Type of gen. func.: ogf

$$-\frac{x + 1}{25 x - 1}$$

Sequence: A169279
Score: 7.30615
Type of gen. func.: ogf

$$\{a(n + 2) - 25 a(n + 1), a(0) = 1, a(1) = 26\}$$

Sequence: A169280
Score: 11.8739
Type of gen. func.: ogf

$$-26 f(x) x + f(x) - x - 1$$

Sequence: A169280
Score: 14.3737
Type of gen. func.: ogf

$$-\frac{x + 1}{26 x - 1}$$

Sequence: A169280
Score: 7.38108
Type of gen. func.: ogf

$$\{a(n + 2) - 26 a(n + 1), a(0) = 1, a(1) = 27\}$$

Sequence: A169281
Score: 12.0547
Type of gen. func.: ogf

$$-27 f(x) x + f(x) - x - 1$$

Sequence: A169281
Score: 14.5926
Type of gen. func.: ogf

$$-\frac{x + 1}{27 x - 1}$$

Sequence: A169281
Score: 7.49349
Type of gen. func.: ogf

$$\{a(n + 2) - 27 a(n + 1), a(0) = 1, a(1) = 28\}$$

Sequence: A169282
Score: 12.115
Type of gen. func.: ogf

$$-28 f(x) x + f(x) - x - 1$$

Sequence: A169282
Score: 14.6656
Type of gen. func.: ogf

$$-\frac{x + 1}{28 x - 1}$$

Sequence: A169282
Score: 7.53096
Type of gen. func.: ogf

$$\{a(n + 2) - 28 a(n + 1), a(0) = 1, a(1) = 29\}$$

Sequence: A169283
Score: 12.2356
Type of gen. func.: ogf

$$-29 f(x) x + f(x) - x - 1$$

Sequence: A169283
Score: 14.8115
Type of gen. func.: ogf

$$-\frac{x + 1}{29 x - 1}$$

Sequence: A169283
Score: 7.60589
Type of gen. func.: ogf

$$\{a(n + 2) - 29 a(n + 1), a(0) = 1, a(1) = 30\}$$

Sequence: A169284
Score: 12.2958
Type of gen. func.: ogf

$$-30 f(x) x + f(x) - x - 1$$

Sequence: A169284
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{30 x - 1}$$

Sequence: A169284
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 30 a(n + 1), a(0) = 1, a(1) = 31\}$$

Sequence: A169285
Score: 12.2958
Type of gen. func.: ogf

$$-31 f(x) x + f(x) - x - 1$$

Sequence: A169285
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{31 x - 1}$$

Sequence: A169285
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 31 a(n + 1), a(0) = 1, a(1) = 32\}$$

Sequence: A169286
Score: 12.7177
Type of gen. func.: ogf

$$-32 f(x) x + f(x) - x - 1$$

Sequence: A169286
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{32 x - 1}$$

Sequence: A169286
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 32 a(n + 1), a(0) = 1, a(1) = 33\}$$

Sequence: A169287

Score: 12.7177
Type of gen. func.: ogf

```
-33 f(x) x + f(x) - x - 1
```

Sequence: A169287
Score: 15.3952
Type of gen. func.: ogf

```
   x + 1
- --------
  33 x - 1
```

Sequence: A169287
Score: 7.90562
Type of gen. func.: ogf

```
{a(n + 2) - 33 a(n + 1), a(0) = 1, a(1) = 34}
```

Sequence: A169288
Score: 12.7177
Type of gen. func.: ogf

```
-34 f(x) x + f(x) - x - 1
```

Sequence: A169288
Score: 15.3952
Type of gen. func.: ogf

```
   x + 1
- --------
  34 x - 1
```

Sequence: A169288
Score: 7.90562
Type of gen. func.: ogf

```
{a(n + 2) - 34 a(n + 1), a(0) = 1, a(1) = 35}
```

Sequence: A169289
Score: 12.8383

```
Type of gen. func.: ogf


                           -35 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169289
Score: 15.5411
Type of gen. func.: ogf


                                      x + 1
                                   - --------
                                     35 x - 1



------------------------------------------------------------------------------

Sequence:  A169289
Score: 7.98057
Type of gen. func.: ogf


                 {a(n + 2) - 35 a(n + 1), a(0) = 1, a(1) = 36}



------------------------------------------------------------------------------

Sequence:  A169290
Score: 11.1854
Type of gen. func.: ogf


                           -36 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169290
Score: 13.5403
Type of gen. func.: ogf


                                      x + 1
                                   - --------
                                     36 x - 1



------------------------------------------------------------------------------

Sequence:  A169290
Score: 6.95311
Type of gen. func.: ogf


                 {a(n + 2) - 36 a(n + 1), a(0) = 1, a(1) = 37}



------------------------------------------------------------------------------

Sequence:  A169291
Score: 11.1854
Type of gen. func.: ogf
```

```
                           -37 f(x) x + f(x) - x - 1


-------------------------------------------------------------------------------

Sequence:  A169291
Score: 13.5403
Type of gen. func.: ogf

                                          x + 1
                                      - --------
                                        37 x - 1


-------------------------------------------------------------------------------

Sequence:  A169291
Score: 6.95311
Type of gen. func.: ogf

                 {a(n + 2) - 37 a(n + 1), a(0) = 1, a(1) = 38}


-------------------------------------------------------------------------------

Sequence:  A169292
Score: 11.3032
Type of gen. func.: ogf

                           -38 f(x) x + f(x) - x - 1


-------------------------------------------------------------------------------

Sequence:  A169292
Score: 13.6828
Type of gen. func.: ogf

                                          x + 1
                                      - --------
                                        38 x - 1


-------------------------------------------------------------------------------

Sequence:  A169292
Score: 7.02630
Type of gen. func.: ogf

                 {a(n + 2) - 38 a(n + 1), a(0) = 1, a(1) = 39}


-------------------------------------------------------------------------------

Sequence:  A169293
Score: 11.362
Type of gen. func.: ogf
```

```
                            -39 f(x) x + f(x) - x - 1


--------------------------------------------------------------------------------

Sequence:  A169293
Score: 13.7541
Type of gen. func.: ogf

                                          x + 1
                                      - --------
                                        39 x - 1


--------------------------------------------------------------------------------

Sequence:  A169293
Score: 7.06289
Type of gen. func.: ogf

                 {a(n + 2) - 39 a(n + 1), a(0) = 1, a(1) = 40}


--------------------------------------------------------------------------------

Sequence:  A169294
Score: 11.4798
Type of gen. func.: ogf

                            -40 f(x) x + f(x) - x - 1


--------------------------------------------------------------------------------

Sequence:  A169294
Score: 13.8966
Type of gen. func.: ogf

                                          x + 1
                                      - --------
                                        40 x - 1


--------------------------------------------------------------------------------

Sequence:  A169294
Score: 7.13608
Type of gen. func.: ogf

                 {a(n + 2) - 40 a(n + 1), a(0) = 1, a(1) = 41}


--------------------------------------------------------------------------------

Sequence:  A169295
Score: 11.4798
Type of gen. func.: ogf
```

$$-41 f(x) x + f(x) - x - 1$$

Sequence: A169295
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{41 x - 1}$$

Sequence: A169295
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 41 a(n + 1), a(0) = 1, a(1) = 42\}$$

Sequence: A169296
Score: 11.5386
Type of gen. func.: ogf

$$-42 f(x) x + f(x) - x - 1$$

Sequence: A169296
Score: 13.9678
Type of gen. func.: ogf

$$-\frac{x + 1}{42 x - 1}$$

Sequence: A169296
Score: 7.17268
Type of gen. func.: ogf

$$\{a(n + 2) - 42 a(n + 1), a(0) = 1, a(1) = 43\}$$

Sequence: A169297
Score: 11.5975
Type of gen. func.: ogf

$$-43 f(x) x + f(x) - x - 1$$

Sequence: A169297
Score: 14.0391
Type of gen. func.: ogf

$$-\frac{x + 1}{43 x - 1}$$

Sequence: A169297
Score: 7.20927
Type of gen. func.: ogf

$$\{a(n + 2) - 43 a(n + 1), a(0) = 1, a(1) = 44\}$$

Sequence: A169298
Score: 11.7153
Type of gen. func.: ogf

$$-44 f(x) x + f(x) - x - 1$$

Sequence: A169298
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{44 x - 1}$$

Sequence: A169298
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 44 a(n + 1), a(0) = 1, a(1) = 45\}$$

Sequence: A169299
Score: 11.7153
Type of gen. func.: ogf

$$-45 f(x) x + f(x) - x - 1$$

Sequence: A169299
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{45 x - 1}$$

Sequence: A169299
Score: 7.28246
Type of gen. func.: ogf

{a(n + 2) - 45 a(n + 1), a(0) = 1, a(1) = 46}

Sequence: A169300
Score: 11.7153
Type of gen. func.: ogf

$$-46 f(x) x + f(x) - x - 1$$

Sequence: A169300
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{46 x - 1}$$

Sequence: A169300
Score: 7.28246
Type of gen. func.: ogf

{a(n + 2) - 46 a(n + 1), a(0) = 1, a(1) = 47}

Sequence: A169301
Score: 11.9507
Type of gen. func.: ogf

$$-47 f(x) x + f(x) - x - 1$$

Sequence: A169301
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{47 x - 1}$$

Sequence: A169301
Score: 7.42884
Type of gen. func.: ogf

{a(n + 2) - 47 a(n + 1), a(0) = 1, a(1) = 48}

Sequence: A169302
Score: 11.9507
Type of gen. func.: ogf

$$-48 f(x) x + f(x) - x - 1$$

Sequence: A169302
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{48 x - 1}$$

Sequence: A169302
Score: 7.42884
Type of gen. func.: ogf

{a(n + 2) - 48 a(n + 1), a(0) = 1, a(1) = 49}

Sequence: A169303
Score: 11.9507
Type of gen. func.: ogf

$$-49 f(x) x + f(x) - x - 1$$

Sequence: A169303
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{49 x - 1}$$

Sequence: A169303
Score: 7.42884
Type of gen. func.: ogf

{a(n + 2) - 49 a(n + 1), a(0) = 1, a(1) = 50}

Sequence: A169304
Score: 11.1553
Type of gen. func.: ogf

$$\frac{3 x^{29} + x^{28} + 2 x + 2}{x^{28} - 4 x + 2}$$

Sequence: A169305
Score: 14.5528
Type of gen. func.: ogf

-3 f(x) x + f(x) - x - 1

Sequence: A169305
Score: 17.6994
Type of gen. func.: ogf

$$-\frac{x + 1}{3 x - 1}$$

Sequence: A169305
Score: 9.09553
Type of gen. func.: ogf

{a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 4}

Sequence: A169306
Score: 14.619
Type of gen. func.: ogf

$$-4 f(x) x + f(x) - x - 1$$

Sequence: A169306
Score: 17.7799
Type of gen. func.: ogf

$$-\frac{x + 1}{4 x - 1}$$

Sequence: A169306
Score: 9.13689
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 5\}$$

Sequence: A169307
Score: 13.6693
Type of gen. func.: ogf

$$-5 f(x) x + f(x) - x - 1$$

Sequence: A169307
Score: 16.6248
Type of gen. func.: ogf

$$-\frac{x + 1}{5 x - 1}$$

Sequence: A169307
Score: 8.54329
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1), a(0) = 1, a(1) = 6\}$$

```
------------------------------------------------------------------------------

Sequence:  A169308
Score: 13.4636
Type of gen. func.: ogf

                            -6 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169308
Score: 16.3746
Type of gen. func.: ogf

                                      x + 1
                                   - --------
                                     -1 + 6 x



------------------------------------------------------------------------------

Sequence:  A169308
Score: 8.41471
Type of gen. func.: ogf

                  {a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 7}



------------------------------------------------------------------------------

Sequence:  A169309
Score: 12.9815
Type of gen. func.: ogf

                            -7 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169309
Score: 15.7883
Type of gen. func.: ogf

                                      x + 1
                                   - -------
                                     7 x - 1



------------------------------------------------------------------------------

Sequence:  A169309
Score: 8.11343
Type of gen. func.: ogf

                  {a(n + 2) - 7 a(n + 1), a(0) = 1, a(1) = 8}
```

Sequence: A169310
Score: 13.6472
Type of gen. func.: ogf

$$-8 f(x) x + f(x) - x - 1$$

Sequence: A169310
Score: 16.5980
Type of gen. func.: ogf

$$-\frac{x + 1}{8 x - 1}$$

Sequence: A169310
Score: 8.52951
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 9\}$$

Sequence: A169311
Score: 12.7592
Type of gen. func.: ogf

$$-9 f(x) x + f(x) - x - 1$$

Sequence: A169311
Score: 15.5180
Type of gen. func.: ogf

$$-\frac{x + 1}{9 x - 1}$$

Sequence: A169311
Score: 7.86529
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 10\}$$

Sequence: A169312
Score: 12.0642
Type of gen. func.: ogf

$$-10 f(x) x + f(x) - x - 1$$

Sequence: A169312
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x + 1}{10 x - 1}$$

Sequence: A169312
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 11\}$$

Sequence: A169313
Score: 12.0642
Type of gen. func.: ogf

$$-11 f(x) x + f(x) - x - 1$$

Sequence: A169313
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x + 1}{11 x - 1}$$

Sequence: A169313
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1), a(0) = 1, a(1) = 12\}$$

Sequence: A169314
Score: 10.9017
Type of gen. func.: ogf

$$-12 f(x) x + f(x) - x - 1$$

Sequence: A169314
Score: 13.1968
Type of gen. func.: ogf

$$-\frac{x + 1}{12 x - 1}$$

Sequence: A169314
Score: 6.77673
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1), a(0) = 1, a(1) = 13\}$$

Sequence: A169315
Score: 11.1481
Type of gen. func.: ogf

$$-13 f(x) x + f(x) - x - 1$$

Sequence: A169315
Score: 13.4950
Type of gen. func.: ogf

$$-\frac{x + 1}{13 x - 1}$$

Sequence: A169315
Score: 6.92988
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1), a(0) = 1, a(1) = 14\}$$

Sequence: A169316
Score: 11.456
Type of gen. func.: ogf

$$-14 f(x) x + f(x) - x - 1$$

Sequence: A169316
Score: 13.8678
Type of gen. func.: ogf

$$-\frac{x + 1}{14 x - 1}$$

Sequence: A169316
Score: 7.12131
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1), a(0) = 1, a(1) = 15\}$$

Sequence: A169317
Score: 11.6408
Type of gen. func.: ogf

$$-15 f(x) x + f(x) - x - 1$$

Sequence: A169317
Score: 14.0915
Type of gen. func.: ogf

$$-\frac{x + 1}{15 x - 1}$$

Sequence: A169317
Score: 7.23618
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1), a(0) = 1, a(1) = 16\}$$

Sequence: A169318

Score: 11.9488
Type of gen. func.: ogf

$$-16 f(x) x + f(x) - x - 1$$

Sequence: A169318
Score: 14.4643
Type of gen. func.: ogf

$$-\frac{x + 1}{16 x - 1}$$

Sequence: A169318
Score: 7.42761
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 17\}$$

Sequence: A169319
Score: 12.1335
Type of gen. func.: ogf

$$-17 f(x) x + f(x) - x - 1$$

Sequence: A169319
Score: 14.6879
Type of gen. func.: ogf

$$-\frac{x + 1}{17 x - 1}$$

Sequence: A169319
Score: 7.54246
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1), a(0) = 1, a(1) = 18\}$$

Sequence: A169320
Score: 10.789

```
Type of gen. func.: ogf


                           -18 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A169320
Score: 13.0604
Type of gen. func.: ogf

                                           x + 1
                                       - --------
                                         18 x - 1



--------------------------------------------------------------------------------

Sequence:  A169320
Score: 6.70668
Type of gen. func.: ogf

                 {a(n + 2) - 18 a(n + 1), a(0) = 1, a(1) = 19}



--------------------------------------------------------------------------------

Sequence:  A169321
Score: 10.9095
Type of gen. func.: ogf

                           -19 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A169321
Score: 13.2063
Type of gen. func.: ogf

                                           x + 1
                                       - --------
                                         19 x - 1



--------------------------------------------------------------------------------

Sequence:  A169321
Score: 6.78161
Type of gen. func.: ogf

                 {a(n + 2) - 19 a(n + 1), a(0) = 1, a(1) = 20}



--------------------------------------------------------------------------------

Sequence:  A169322
Score: 11.0904
Type of gen. func.: ogf
```

$$-20 f(x) x + f(x) - x - 1$$

Sequence: A169322
Score: 13.4252
Type of gen. func.: ogf

$$-\frac{x + 1}{20 x - 1}$$

Sequence: A169322
Score: 6.89401
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1), a(0) = 1, a(1) = 21\}$$

Sequence: A169323
Score: 11.1506
Type of gen. func.: ogf

$$-21 f(x) x + f(x) - x - 1$$

Sequence: A169323
Score: 13.4981
Type of gen. func.: ogf

$$-\frac{x + 1}{21 x - 1}$$

Sequence: A169323
Score: 6.93147
Type of gen. func.: ogf

$$\{a(n + 2) - 21 a(n + 1), a(0) = 1, a(1) = 22\}$$

Sequence: A169324
Score: 11.452
Type of gen. func.: ogf

$$-22 f(x) x + f(x) - x - 1$$

Sequence: A169324
Score: 13.8629
Type of gen. func.: ogf

$$-\frac{x + 1}{22 x - 1}$$

Sequence: A169324
Score: 7.11881
Type of gen. func.: ogf

$$\{a(n + 2) - 22 a(n + 1), a(0) = 1, a(1) = 23\}$$

Sequence: A169325
Score: 11.5123
Type of gen. func.: ogf

$$-23 f(x) x + f(x) - x - 1$$

Sequence: A169325
Score: 13.9359
Type of gen. func.: ogf

$$-\frac{x + 1}{23 x - 1}$$

Sequence: A169325
Score: 7.15628
Type of gen. func.: ogf

$$\{a(n + 2) - 23 a(n + 1), a(0) = 1, a(1) = 24\}$$

Sequence: A169326
Score: 11.6328
Type of gen. func.: ogf

```
                              -24 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A169326
Score: 14.0818
Type of gen. func.: ogf


                                          x + 1
                                       - --------
                                         24 x - 1



--------------------------------------------------------------------------------

Sequence:  A169326
Score: 7.23122
Type of gen. func.: ogf


                 {a(n + 2) - 24 a(n + 1), a(0) = 1, a(1) = 25}



--------------------------------------------------------------------------------

Sequence:  A169327
Score: 11.7534
Type of gen. func.: ogf


                              -25 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A169327
Score: 14.2278
Type of gen. func.: ogf


                                          x + 1
                                       - --------
                                         25 x - 1



--------------------------------------------------------------------------------

Sequence:  A169327
Score: 7.30615
Type of gen. func.: ogf


                 {a(n + 2) - 25 a(n + 1), a(0) = 1, a(1) = 26}



--------------------------------------------------------------------------------

Sequence:  A169328
Score: 11.8739
Type of gen. func.: ogf


                              -26 f(x) x + f(x) - x - 1
```

```
------------------------------------------------------------------------------

Sequence:  A169328
Score: 14.3737
Type of gen. func.: ogf

                                          x + 1
                                       - --------
                                         26 x - 1



------------------------------------------------------------------------------

Sequence:  A169328
Score: 7.38108
Type of gen. func.: ogf

                 {a(n + 2) - 26 a(n + 1), a(0) = 1, a(1) = 27}



------------------------------------------------------------------------------

Sequence:  A169329
Score: 12.0547
Type of gen. func.: ogf

                           -27 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169329
Score: 14.5926
Type of gen. func.: ogf

                                          x + 1
                                       - --------
                                         27 x - 1



------------------------------------------------------------------------------

Sequence:  A169329
Score: 7.49349
Type of gen. func.: ogf

                 {a(n + 2) - 27 a(n + 1), a(0) = 1, a(1) = 28}



------------------------------------------------------------------------------

Sequence:  A169330
Score: 12.115
Type of gen. func.: ogf

                           -28 f(x) x + f(x) - x - 1
```

Sequence: A169330
Score: 14.6656
Type of gen. func.: ogf

$$-\frac{x+1}{28x-1}$$

Sequence: A169330
Score: 7.53096
Type of gen. func.: ogf

{a(n + 2) - 28 a(n + 1), a(0) = 1, a(1) = 29}

Sequence: A169331
Score: 12.2356
Type of gen. func.: ogf

-29 f(x) x + f(x) - x - 1

Sequence: A169331
Score: 14.8115
Type of gen. func.: ogf

$$-\frac{x+1}{29x-1}$$

Sequence: A169331
Score: 7.60589
Type of gen. func.: ogf

{a(n + 2) - 29 a(n + 1), a(0) = 1, a(1) = 30}

Sequence: A169332
Score: 12.2958
Type of gen. func.: ogf

-30 f(x) x + f(x) - x - 1

Sequence: A169332
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{30 x - 1}$$

Sequence: A169332
Score: 7.64335
Type of gen. func.: ogf

{a(n + 2) - 30 a(n + 1), a(0) = 1, a(1) = 31}

Sequence: A169333
Score: 12.2958
Type of gen. func.: ogf

$$-31 f(x) x + f(x) - x - 1$$

Sequence: A169333
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{31 x - 1}$$

Sequence: A169333
Score: 7.64335
Type of gen. func.: ogf

{a(n + 2) - 31 a(n + 1), a(0) = 1, a(1) = 32}

Sequence: A169334
Score: 12.7177
Type of gen. func.: ogf

$$-32 f(x) x + f(x) - x - 1$$

Sequence: A169334
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{32 x - 1}$$

Sequence: A169334
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 32 a(n + 1), a(0) = 1, a(1) = 33\}$$

Sequence: A169335
Score: 12.7177
Type of gen. func.: ogf

$$-33 f(x) x + f(x) - x - 1$$

Sequence: A169335
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{33 x - 1}$$

Sequence: A169335
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 33 a(n + 1), a(0) = 1, a(1) = 34\}$$

Sequence: A169336
Score: 12.7177
Type of gen. func.: ogf

$$-34 f(x) x + f(x) - x - 1$$

Sequence: A169336
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{34 x - 1}$$

Sequence: A169336
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 34 a(n + 1), a(0) = 1, a(1) = 35\}$$

Sequence: A169337
Score: 12.8383
Type of gen. func.: ogf

$$-35 f(x) x + f(x) - x - 1$$

Sequence: A169337
Score: 15.5411
Type of gen. func.: ogf

$$-\frac{x + 1}{35 x - 1}$$

Sequence: A169337
Score: 7.98057
Type of gen. func.: ogf

$$\{a(n + 2) - 35 a(n + 1), a(0) = 1, a(1) = 36\}$$

Sequence: A169338
Score: 11.1854
Type of gen. func.: ogf

$$-36 f(x) x + f(x) - x - 1$$

Sequence: A169338
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{36 x - 1}$$

Sequence: A169338
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 36 a(n + 1), a(0) = 1, a(1) = 37\}$$

Sequence: A169339
Score: 11.1854
Type of gen. func.: ogf

$$-37 f(x) x + f(x) - x - 1$$

Sequence: A169339
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{37 x - 1}$$

Sequence: A169339
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 37 a(n + 1), a(0) = 1, a(1) = 38\}$$

Sequence: A169340
Score: 11.3032
Type of gen. func.: ogf

$$-38 f(x) x + f(x) - x - 1$$

Sequence: A169340

Score: 13.6828
Type of gen. func.: ogf

$$-\frac{x + 1}{38 x - 1}$$

Sequence: A169340
Score: 7.02630
Type of gen. func.: ogf

$$\{a(n + 2) - 38 a(n + 1), a(0) = 1, a(1) = 39\}$$

Sequence: A169341
Score: 11.362
Type of gen. func.: ogf

$$-39 f(x) x + f(x) - x - 1$$

Sequence: A169341
Score: 13.7541
Type of gen. func.: ogf

$$-\frac{x + 1}{39 x - 1}$$

Sequence: A169341
Score: 7.06289
Type of gen. func.: ogf

$$\{a(n + 2) - 39 a(n + 1), a(0) = 1, a(1) = 40\}$$

Sequence: A169342
Score: 11.4798
Type of gen. func.: ogf

$$-40 f(x) x + f(x) - x - 1$$

Sequence: A169342
Score: 13.8966

Type of gen. func.: ogf

$$-\frac{x + 1}{40 x - 1}$$

Sequence: A169342
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 40 a(n + 1), a(0) = 1, a(1) = 41\}$$

Sequence: A169343
Score: 11.4798
Type of gen. func.: ogf

$$-41 f(x) x + f(x) - x - 1$$

Sequence: A169343
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{41 x - 1}$$

Sequence: A169343
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 41 a(n + 1), a(0) = 1, a(1) = 42\}$$

Sequence: A169344
Score: 11.5386
Type of gen. func.: ogf

$$-42 f(x) x + f(x) - x - 1$$

Sequence: A169344
Score: 13.9678
Type of gen. func.: ogf

$$-\frac{x + 1}{42 x - 1}$$

Sequence: A169344
Score: 7.17268
Type of gen. func.: ogf

$$\{a(n + 2) - 42 a(n + 1), a(0) = 1, a(1) = 43\}$$

Sequence: A169345
Score: 11.5975
Type of gen. func.: ogf

$$-43 f(x) x + f(x) - x - 1$$

Sequence: A169345
Score: 14.0391
Type of gen. func.: ogf

$$-\frac{x + 1}{43 x - 1}$$

Sequence: A169345
Score: 7.20927
Type of gen. func.: ogf

$$\{a(n + 2) - 43 a(n + 1), a(0) = 1, a(1) = 44\}$$

Sequence: A169346
Score: 11.7153
Type of gen. func.: ogf

$$-44 f(x) x + f(x) - x - 1$$

Sequence: A169346
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{44 x - 1}$$

Sequence: A169346
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 44 a(n + 1), a(0) = 1, a(1) = 45\}$$

Sequence: A169347
Score: 11.7153
Type of gen. func.: ogf

$$-45 f(x) x + f(x) - x - 1$$

Sequence: A169347
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{45 x - 1}$$

Sequence: A169347
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 45 a(n + 1), a(0) = 1, a(1) = 46\}$$

Sequence: A169348
Score: 11.7153
Type of gen. func.: ogf

$$-46 f(x) x + f(x) - x - 1$$

Sequence: A169348
Score: 14.1816
Type of gen. func.: ogf

```
                                  x + 1
                               - --------
                                 46 x - 1
```

Sequence: A169348
Score: 7.28246
Type of gen. func.: ogf

```
                 {a(n + 2) - 46 a(n + 1), a(0) = 1, a(1) = 47}
```

Sequence: A169349
Score: 11.9507
Type of gen. func.: ogf

```
                           -47 f(x) x + f(x) - x - 1
```

Sequence: A169349
Score: 14.4667
Type of gen. func.: ogf

```
                                  x + 1
                               - --------
                                 47 x - 1
```

Sequence: A169349
Score: 7.42884
Type of gen. func.: ogf

```
                 {a(n + 2) - 47 a(n + 1), a(0) = 1, a(1) = 48}
```

Sequence: A169350
Score: 11.9507
Type of gen. func.: ogf

```
                           -48 f(x) x + f(x) - x - 1
```

Sequence: A169350
Score: 14.4667
Type of gen. func.: ogf

```
                                  x + 1
```

$$-\frac{}{48 x - 1}$$

Sequence: A169350
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 48 a(n + 1), a(0) = 1, a(1) = 49\}$$

Sequence: A169351
Score: 11.9507
Type of gen. func.: ogf

$$-49 f(x) x + f(x) - x - 1$$

Sequence: A169351
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{49 x - 1}$$

Sequence: A169351
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 49 a(n + 1), a(0) = 1, a(1) = 50\}$$

Sequence: A169352
Score: 11.1553
Type of gen. func.: ogf

$$\frac{3 x^{30} + x^{29} + 2 x + 2}{x^{29} - 4 x + 2}$$

Sequence: A169353
Score: 14.5528
Type of gen. func.: ogf

```
                         -3 f(x) x + f(x) - x - 1


--------------------------------------------------------------------------------

Sequence:  A169353
Score: 17.6994
Type of gen. func.: ogf

                                        x + 1
                                     - -------
                                       3 x - 1


--------------------------------------------------------------------------------

Sequence:  A169353
Score: 9.09553
Type of gen. func.: ogf

                  {a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 4}


--------------------------------------------------------------------------------

Sequence:  A169354
Score: 14.619
Type of gen. func.: ogf

                         -4 f(x) x + f(x) - x - 1


--------------------------------------------------------------------------------

Sequence:  A169354
Score: 17.7799
Type of gen. func.: ogf

                                        x + 1
                                     - -------
                                       4 x - 1


--------------------------------------------------------------------------------

Sequence:  A169354
Score: 9.13689
Type of gen. func.: ogf

                  {a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 5}


--------------------------------------------------------------------------------

Sequence:  A169355
Score: 13.6693
Type of gen. func.: ogf
```

```
                             -5 f(x) x + f(x) - x - 1


--------------------------------------------------------------------------------

Sequence:  A169355
Score: 16.6248
Type of gen. func.: ogf

                                          x + 1
                                       - -------
                                         5 x - 1


--------------------------------------------------------------------------------

Sequence:  A169355
Score: 8.54329
Type of gen. func.: ogf

                  {a(n + 2) - 5 a(n + 1), a(0) = 1, a(1) = 6}


--------------------------------------------------------------------------------

Sequence:  A169356
Score: 13.4636
Type of gen. func.: ogf

                             -6 f(x) x + f(x) - x - 1


--------------------------------------------------------------------------------

Sequence:  A169356
Score: 16.3746
Type of gen. func.: ogf

                                          x + 1
                                       - --------
                                         -1 + 6 x


--------------------------------------------------------------------------------

Sequence:  A169356
Score: 8.41471
Type of gen. func.: ogf

                  {a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 7}


--------------------------------------------------------------------------------

Sequence:  A169357
Score: 12.9815
Type of gen. func.: ogf
```

$$-7 f(x) x + f(x) - x - 1$$

Sequence: A169357
Score: 15.7883
Type of gen. func.: ogf

$$-\frac{x + 1}{7 x - 1}$$

Sequence: A169357
Score: 8.11343
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1), a(0) = 1, a(1) = 8\}$$

Sequence: A169358
Score: 13.6472
Type of gen. func.: ogf

$$-8 f(x) x + f(x) - x - 1$$

Sequence: A169358
Score: 16.5980
Type of gen. func.: ogf

$$-\frac{x + 1}{8 x - 1}$$

Sequence: A169358
Score: 8.52951
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 9\}$$

Sequence: A169359
Score: 12.7592
Type of gen. func.: ogf

$$-9 f(x) x + f(x) - x - 1$$

Sequence: A169359
Score: 15.5180
Type of gen. func.: ogf

$$-\frac{x + 1}{9 x - 1}$$

Sequence: A169359
Score: 7.86529
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 10\}$$

Sequence: A169360
Score: 12.0642
Type of gen. func.: ogf

$$-10 f(x) x + f(x) - x - 1$$

Sequence: A169360
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x + 1}{10 x - 1}$$

Sequence: A169360
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 11\}$$

Sequence: A169361
Score: 12.0642
Type of gen. func.: ogf

$$-11 f(x) x + f(x) - x - 1$$

Sequence: A169361
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x + 1}{11 x - 1}$$

Sequence: A169361
Score: 7.49934
Type of gen. func.: ogf

{a(n + 2) - 11 a(n + 1), a(0) = 1, a(1) = 12}

Sequence: A169362
Score: 10.9017
Type of gen. func.: ogf

$$-12 f(x) x + f(x) - x - 1$$

Sequence: A169362
Score: 13.1968
Type of gen. func.: ogf

$$-\frac{x + 1}{12 x - 1}$$

Sequence: A169362
Score: 6.77673
Type of gen. func.: ogf

{a(n + 2) - 12 a(n + 1), a(0) = 1, a(1) = 13}

Sequence: A169363
Score: 11.1481
Type of gen. func.: ogf

$$-13 f(x) x + f(x) - x - 1$$

Sequence: A169363
Score: 13.4950
Type of gen. func.: ogf

$$-\frac{x + 1}{13 x - 1}$$

Sequence: A169363
Score: 6.92988
Type of gen. func.: ogf

{a(n + 2) - 13 a(n + 1), a(0) = 1, a(1) = 14}

Sequence: A169364
Score: 11.456
Type of gen. func.: ogf

$$-14 f(x) x + f(x) - x - 1$$

Sequence: A169364
Score: 13.8678
Type of gen. func.: ogf

$$-\frac{x + 1}{14 x - 1}$$

Sequence: A169364
Score: 7.12131
Type of gen. func.: ogf

{a(n + 2) - 14 a(n + 1), a(0) = 1, a(1) = 15}

Sequence: A169365
Score: 11.6408
Type of gen. func.: ogf

$$-15 f(x) x + f(x) - x - 1$$

Sequence: A169365
Score: 14.0915
Type of gen. func.: ogf

$$-\frac{x + 1}{15 x - 1}$$

Sequence: A169365
Score: 7.23618
Type of gen. func.: ogf

{a(n + 2) - 15 a(n + 1), a(0) = 1, a(1) = 16}

Sequence: A169366
Score: 11.9488
Type of gen. func.: ogf

$$-16 f(x) x + f(x) - x - 1$$

Sequence: A169366
Score: 14.4643
Type of gen. func.: ogf

$$-\frac{x + 1}{16 x - 1}$$

Sequence: A169366
Score: 7.42761
Type of gen. func.: ogf

{a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 17}

Sequence: A169367
Score: 12.1335
Type of gen. func.: ogf

$$-17 f(x) x + f(x) - x - 1$$

Sequence: A169367
Score: 14.6879
Type of gen. func.: ogf

$$-\frac{x + 1}{17 x - 1}$$

Sequence: A169367
Score: 7.54246
Type of gen. func.: ogf

{a(n + 2) - 17 a(n + 1), a(0) = 1, a(1) = 18}

Sequence: A169368
Score: 10.789
Type of gen. func.: ogf

-18 f(x) x + f(x) - x - 1

Sequence: A169368
Score: 13.0604
Type of gen. func.: ogf

$$-\frac{x + 1}{18 x - 1}$$

Sequence: A169368
Score: 6.70668
Type of gen. func.: ogf

{a(n + 2) - 18 a(n + 1), a(0) = 1, a(1) = 19}

Sequence: A169369
Score: 10.9095
Type of gen. func.: ogf

-19 f(x) x + f(x) - x - 1

Sequence: A169369
Score: 13.2063
Type of gen. func.: ogf

$$-\frac{x + 1}{19 x - 1}$$

Sequence: A169369
Score: 6.78161
Type of gen. func.: ogf

$$\{a(n + 2) - 19 a(n + 1), a(0) = 1, a(1) = 20\}$$

Sequence: A169370
Score: 11.0904
Type of gen. func.: ogf

$$-20 f(x) x + f(x) - x - 1$$

Sequence: A169370
Score: 13.4252
Type of gen. func.: ogf

$$-\frac{x + 1}{20 x - 1}$$

Sequence: A169370
Score: 6.89401
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1), a(0) = 1, a(1) = 21\}$$

Sequence: A169371
Score: 11.1506
Type of gen. func.: ogf

$$-21 f(x) x + f(x) - x - 1$$

Sequence: A169371

Score: 13.4981
Type of gen. func.: ogf

$$-\frac{x + 1}{21 x - 1}$$

Sequence: A169371
Score: 6.93147
Type of gen. func.: ogf

$$\{a(n + 2) - 21 a(n + 1), a(0) = 1, a(1) = 22\}$$

Sequence: A169372
Score: 11.452
Type of gen. func.: ogf

$$-22 f(x) x + f(x) - x - 1$$

Sequence: A169372
Score: 13.8629
Type of gen. func.: ogf

$$-\frac{x + 1}{22 x - 1}$$

Sequence: A169372
Score: 7.11881
Type of gen. func.: ogf

$$\{a(n + 2) - 22 a(n + 1), a(0) = 1, a(1) = 23\}$$

Sequence: A169373
Score: 11.5123
Type of gen. func.: ogf

$$-23 f(x) x + f(x) - x - 1$$

Sequence: A169373
Score: 13.9359

```
Type of gen. func.: ogf


                                       x + 1
                                    - --------
                                      23 x - 1



-------------------------------------------------------------------------------

Sequence:  A169373
Score: 7.15628
Type of gen. func.: ogf


                 {a(n + 2) - 23 a(n + 1), a(0) = 1, a(1) = 24}



-------------------------------------------------------------------------------

Sequence:  A169374
Score: 11.6328
Type of gen. func.: ogf


                           -24 f(x) x + f(x) - x - 1



-------------------------------------------------------------------------------

Sequence:  A169374
Score: 14.0818
Type of gen. func.: ogf


                                       x + 1
                                    - --------
                                      24 x - 1



-------------------------------------------------------------------------------

Sequence:  A169374
Score: 7.23122
Type of gen. func.: ogf


                 {a(n + 2) - 24 a(n + 1), a(0) = 1, a(1) = 25}



-------------------------------------------------------------------------------

Sequence:  A169375
Score: 11.7534
Type of gen. func.: ogf


                           -25 f(x) x + f(x) - x - 1



-------------------------------------------------------------------------------

Sequence:  A169375
Score: 14.2278
Type of gen. func.: ogf
```

$$-\frac{x + 1}{25 x - 1}$$

Sequence: A169375
Score: 7.30615
Type of gen. func.: ogf

$$\{a(n + 2) - 25 a(n + 1), a(0) = 1, a(1) = 26\}$$

Sequence: A169376
Score: 11.8739
Type of gen. func.: ogf

$$-26 f(x) x + f(x) - x - 1$$

Sequence: A169376
Score: 14.3737
Type of gen. func.: ogf

$$-\frac{x + 1}{26 x - 1}$$

Sequence: A169376
Score: 7.38108
Type of gen. func.: ogf

$$\{a(n + 2) - 26 a(n + 1), a(0) = 1, a(1) = 27\}$$

Sequence: A169377
Score: 12.0547
Type of gen. func.: ogf

$$-27 f(x) x + f(x) - x - 1$$

Sequence: A169377
Score: 14.5926
Type of gen. func.: ogf

$$-\frac{x + 1}{27 x - 1}$$

Sequence: A169377
Score: 7.49349
Type of gen. func.: ogf

$$\{a(n + 2) - 27 a(n + 1), a(0) = 1, a(1) = 28\}$$

Sequence: A169378
Score: 12.115
Type of gen. func.: ogf

$$-28 f(x) x + f(x) - x - 1$$

Sequence: A169378
Score: 14.6656
Type of gen. func.: ogf

$$-\frac{x + 1}{28 x - 1}$$

Sequence: A169378
Score: 7.53096
Type of gen. func.: ogf

$$\{a(n + 2) - 28 a(n + 1), a(0) = 1, a(1) = 29\}$$

Sequence: A169379
Score: 12.2356
Type of gen. func.: ogf

$$-29 f(x) x + f(x) - x - 1$$

Sequence: A169379
Score: 14.8115
Type of gen. func.: ogf

$$-\frac{x + 1}{29 x - 1}$$

Sequence: A169379
Score: 7.60589
Type of gen. func.: ogf

$$\{a(n + 2) - 29 a(n + 1), a(0) = 1, a(1) = 30\}$$

Sequence: A169380
Score: 12.2958
Type of gen. func.: ogf

$$-30 f(x) x + f(x) - x - 1$$

Sequence: A169380
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{30 x - 1}$$

Sequence: A169380
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 30 a(n + 1), a(0) = 1, a(1) = 31\}$$

Sequence: A169381
Score: 12.2958
Type of gen. func.: ogf

$$-31 f(x) x + f(x) - x - 1$$

Sequence: A169381
Score: 14.8844
Type of gen. func.: ogf

$$x + 1$$

```
                                   - --------
                                     31 x - 1



------------------------------------------------------------------------------

Sequence:  A169381
Score: 7.64335
Type of gen. func.: ogf

                 {a(n + 2) - 31 a(n + 1), a(0) = 1, a(1) = 32}



------------------------------------------------------------------------------

Sequence:  A169382
Score: 12.7177
Type of gen. func.: ogf

                           -32 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169382
Score: 15.3952
Type of gen. func.: ogf

                                      x + 1
                                   - --------
                                     32 x - 1



------------------------------------------------------------------------------

Sequence:  A169382
Score: 7.90562
Type of gen. func.: ogf

                 {a(n + 2) - 32 a(n + 1), a(0) = 1, a(1) = 33}



------------------------------------------------------------------------------

Sequence:  A169383
Score: 12.7177
Type of gen. func.: ogf

                           -33 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169383
Score: 15.3952
Type of gen. func.: ogf

                                      x + 1
                                   - --------
```

```
                                     33 x - 1



------------------------------------------------------------------------------

Sequence:  A169383
Score: 7.90562
Type of gen. func.: ogf


                 {a(n + 2) - 33 a(n + 1), a(0) = 1, a(1) = 34}



------------------------------------------------------------------------------

Sequence:  A169384
Score: 12.7177
Type of gen. func.: ogf


                           -34 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169384
Score: 15.3952
Type of gen. func.: ogf


                                      x + 1
                                   - --------
                                     34 x - 1



------------------------------------------------------------------------------

Sequence:  A169384
Score: 7.90562
Type of gen. func.: ogf


                 {a(n + 2) - 34 a(n + 1), a(0) = 1, a(1) = 35}



------------------------------------------------------------------------------

Sequence:  A169385
Score: 12.8383
Type of gen. func.: ogf


                           -35 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169385
Score: 15.5411
Type of gen. func.: ogf


                                      x + 1
                                   - --------
                                     35 x - 1
```

Sequence: A169385
Score: 7.98057
Type of gen. func.: ogf

$$\{a(n + 2) - 35 a(n + 1), a(0) = 1, a(1) = 36\}$$

Sequence: A169386
Score: 11.1854
Type of gen. func.: ogf

$$-36 f(x) x + f(x) - x - 1$$

Sequence: A169386
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{36 x - 1}$$

Sequence: A169386
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 36 a(n + 1), a(0) = 1, a(1) = 37\}$$

Sequence: A169387
Score: 11.1854
Type of gen. func.: ogf

$$-37 f(x) x + f(x) - x - 1$$

Sequence: A169387
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{37 x - 1}$$

Sequence: A169387
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 37 a(n + 1), a(0) = 1, a(1) = 38\}$$

Sequence: A169388
Score: 11.3032
Type of gen. func.: ogf

$$-38 f(x) x + f(x) - x - 1$$

Sequence: A169388
Score: 13.6828
Type of gen. func.: ogf

$$-\frac{x + 1}{38 x - 1}$$

Sequence: A169388
Score: 7.02630
Type of gen. func.: ogf

$$\{a(n + 2) - 38 a(n + 1), a(0) = 1, a(1) = 39\}$$

Sequence: A169389
Score: 11.362
Type of gen. func.: ogf

$$-39 f(x) x + f(x) - x - 1$$

Sequence: A169389
Score: 13.7541
Type of gen. func.: ogf

$$-\frac{x + 1}{39 x - 1}$$

Sequence: A169389
Score: 7.06289
Type of gen. func.: ogf

$$\{a(n + 2) - 39 a(n + 1), a(0) = 1, a(1) = 40\}$$

Sequence: A169390
Score: 11.4798
Type of gen. func.: ogf

$$-40 f(x) x + f(x) - x - 1$$

Sequence: A169390
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{40 x - 1}$$

Sequence: A169390
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 40 a(n + 1), a(0) = 1, a(1) = 41\}$$

Sequence: A169391
Score: 11.4798
Type of gen. func.: ogf

$$-41 f(x) x + f(x) - x - 1$$

Sequence: A169391
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{41 x - 1}$$

Sequence: A169391
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 41 a(n + 1), a(0) = 1, a(1) = 42\}$$

Sequence: A169392
Score: 11.5386
Type of gen. func.: ogf

$$-42 f(x) x + f(x) - x - 1$$

Sequence: A169392
Score: 13.9678
Type of gen. func.: ogf

$$-\frac{x + 1}{42 x - 1}$$

Sequence: A169392
Score: 7.17268
Type of gen. func.: ogf

$$\{a(n + 2) - 42 a(n + 1), a(0) = 1, a(1) = 43\}$$

Sequence: A169393
Score: 11.5975
Type of gen. func.: ogf

$$-43 f(x) x + f(x) - x - 1$$

Sequence: A169393
Score: 14.0391
Type of gen. func.: ogf

$$-\frac{x + 1}{43 x - 1}$$

Sequence: A169393
Score: 7.20927
Type of gen. func.: ogf

$$\{a(n + 2) - 43 a(n + 1), a(0) = 1, a(1) = 44\}$$

Sequence: A169394
Score: 11.7153
Type of gen. func.: ogf

$$-44 f(x) x + f(x) - x - 1$$

Sequence: A169394
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{44 x - 1}$$

Sequence: A169394
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 44 a(n + 1), a(0) = 1, a(1) = 45\}$$

Sequence: A169395
Score: 11.7153
Type of gen. func.: ogf

$$-45 f(x) x + f(x) - x - 1$$

Sequence: A169395
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{45 x - 1}$$

Sequence: A169395
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 45 a(n + 1), a(0) = 1, a(1) = 46\}$$

Sequence: A169396
Score: 11.7153
Type of gen. func.: ogf

$$-46 f(x) x + f(x) - x - 1$$

Sequence: A169396
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{46 x - 1}$$

Sequence: A169396
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 46 a(n + 1), a(0) = 1, a(1) = 47\}$$

Sequence: A169397
Score: 11.9507
Type of gen. func.: ogf

$$-47 f(x) x + f(x) - x - 1$$

Sequence: A169397
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{47 x - 1}$$

Sequence: A169397

```
Score: 7.42884
Type of gen. func.: ogf


                 {a(n + 2) - 47 a(n + 1), a(0) = 1, a(1) = 48}



------------------------------------------------------------------------------

Sequence:  A169398
Score: 11.9507
Type of gen. func.: ogf


                           -48 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169398
Score: 14.4667
Type of gen. func.: ogf


                                      x + 1
                                   - --------
                                     48 x - 1



------------------------------------------------------------------------------

Sequence:  A169398
Score: 7.42884
Type of gen. func.: ogf


                 {a(n + 2) - 48 a(n + 1), a(0) = 1, a(1) = 49}



------------------------------------------------------------------------------

Sequence:  A169399
Score: 11.9507
Type of gen. func.: ogf


                           -49 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169399
Score: 14.4667
Type of gen. func.: ogf


                                      x + 1
                                   - --------
                                     49 x - 1



------------------------------------------------------------------------------

Sequence:  A169399
Score: 7.42884
```

```
Type of gen. func.: ogf


                 {a(n + 2) - 49 a(n + 1), a(0) = 1, a(1) = 50}



--------------------------------------------------------------------------------

Sequence:  A169400
Score: 15.8654
Type of gen. func.: ogf


                            -2 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A169400
Score: 19.2957
Type of gen. func.: ogf


                                       x + 1
                                    - -------
                                      2 x - 1



--------------------------------------------------------------------------------

Sequence:  A169400
Score: 9.91586
Type of gen. func.: ogf


                  {a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 3}



--------------------------------------------------------------------------------

Sequence:  A169401
Score: 14.5528
Type of gen. func.: ogf


                            -3 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A169401
Score: 17.6994
Type of gen. func.: ogf


                                       x + 1
                                    - -------
                                      3 x - 1



--------------------------------------------------------------------------------

Sequence:  A169401
Score: 9.09553
Type of gen. func.: ogf
```

{a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 4}

Sequence: A169402
Score: 14.619
Type of gen. func.: ogf

-4 f(x) x + f(x) - x - 1

Sequence: A169402
Score: 17.7799
Type of gen. func.: ogf

$$-\frac{x + 1}{4 x - 1}$$

Sequence: A169402
Score: 9.13689
Type of gen. func.: ogf

{a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 5}

Sequence: A169403
Score: 13.6693
Type of gen. func.: ogf

-5 f(x) x + f(x) - x - 1

Sequence: A169403
Score: 16.6248
Type of gen. func.: ogf

$$-\frac{x + 1}{5 x - 1}$$

Sequence: A169403
Score: 8.54329
Type of gen. func.: ogf

{a(n + 2) - 5 a(n + 1), a(0) = 1, a(1) = 6}

Sequence: A169404
Score: 13.4636
Type of gen. func.: ogf

-6 f(x) x + f(x) - x - 1

Sequence: A169404
Score: 16.3746
Type of gen. func.: ogf

$$-\frac{x + 1}{-1 + 6 x}$$

Sequence: A169404
Score: 8.41471
Type of gen. func.: ogf

{a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 7}

Sequence: A169405
Score: 12.9815
Type of gen. func.: ogf

-7 f(x) x + f(x) - x - 1

Sequence: A169405
Score: 15.7883
Type of gen. func.: ogf

$$-\frac{x + 1}{7 x - 1}$$

Sequence: A169405
Score: 8.11343
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1), a(0) = 1, a(1) = 8\}$$

Sequence: A169406
Score: 13.6472
Type of gen. func.: ogf

$$-8 f(x) x + f(x) - x - 1$$

Sequence: A169406
Score: 16.5980
Type of gen. func.: ogf

$$- \frac{x + 1}{8 x - 1}$$

Sequence: A169406
Score: 8.52951
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 9\}$$

Sequence: A169407
Score: 12.7592
Type of gen. func.: ogf

$$-9 f(x) x + f(x) - x - 1$$

Sequence: A169407
Score: 15.5180
Type of gen. func.: ogf

$$- \frac{x + 1}{9 x - 1}$$

Sequence: A169407
Score: 7.86529
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 10\}$$

Sequence: A169408
Score: 12.0642
Type of gen. func.: ogf

$$-10 f(x) x + f(x) - x - 1$$

Sequence: A169408
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x + 1}{10 x - 1}$$

Sequence: A169408
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 11\}$$

Sequence: A169409
Score: 12.0642
Type of gen. func.: ogf

$$-11 f(x) x + f(x) - x - 1$$

Sequence: A169409
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x + 1}{11 x - 1}$$

Sequence: A169409
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1), a(0) = 1, a(1) = 12\}$$

```
--------------------------------------------------------------------------------

Sequence:  A169410
Score: 10.9017
Type of gen. func.: ogf


                           -12 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A169410
Score: 13.1968
Type of gen. func.: ogf


                                         x + 1
                                     - --------
                                       12 x - 1



--------------------------------------------------------------------------------

Sequence:  A169410
Score: 6.77673
Type of gen. func.: ogf


                 {a(n + 2) - 12 a(n + 1), a(0) = 1, a(1) = 13}



--------------------------------------------------------------------------------

Sequence:  A169411
Score: 11.1481
Type of gen. func.: ogf


                           -13 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A169411
Score: 13.4950
Type of gen. func.: ogf


                                         x + 1
                                     - --------
                                       13 x - 1



--------------------------------------------------------------------------------

Sequence:  A169411
Score: 6.92988
Type of gen. func.: ogf


                 {a(n + 2) - 13 a(n + 1), a(0) = 1, a(1) = 14}
```

Sequence: A169412
Score: 11.456
Type of gen. func.: ogf

$$-14 f(x) x + f(x) - x - 1$$

Sequence: A169412
Score: 13.8678
Type of gen. func.: ogf

$$-\frac{x + 1}{14 x - 1}$$

Sequence: A169412
Score: 7.12131
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1), a(0) = 1, a(1) = 15\}$$

Sequence: A169413
Score: 11.6408
Type of gen. func.: ogf

$$-15 f(x) x + f(x) - x - 1$$

Sequence: A169413
Score: 14.0915
Type of gen. func.: ogf

$$-\frac{x + 1}{15 x - 1}$$

Sequence: A169413
Score: 7.23618
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1), a(0) = 1, a(1) = 16\}$$

Sequence: A169414
Score: 11.9488
Type of gen. func.: ogf

$$-16 f(x) x + f(x) - x - 1$$

Sequence: A169414
Score: 14.4643
Type of gen. func.: ogf

$$-\frac{x + 1}{16 x - 1}$$

Sequence: A169414
Score: 7.42761
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 17\}$$

Sequence: A169415
Score: 12.1335
Type of gen. func.: ogf

$$-17 f(x) x + f(x) - x - 1$$

Sequence: A169415
Score: 14.6879
Type of gen. func.: ogf

$$-\frac{x + 1}{17 x - 1}$$

Sequence: A169415
Score: 7.54246
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1), a(0) = 1, a(1) = 18\}$$

Sequence: A169416
Score: 10.789
Type of gen. func.: ogf

$$-18 f(x) x + f(x) - x - 1$$

Sequence: A169416
Score: 13.0604
Type of gen. func.: ogf

$$-\frac{x + 1}{18 x - 1}$$

Sequence: A169416
Score: 6.70668
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1), a(0) = 1, a(1) = 19\}$$

Sequence: A169417
Score: 10.9095
Type of gen. func.: ogf

$$-19 f(x) x + f(x) - x - 1$$

Sequence: A169417
Score: 13.2063
Type of gen. func.: ogf

$$-\frac{x + 1}{19 x - 1}$$

Sequence: A169417
Score: 6.78161
Type of gen. func.: ogf

$$\{a(n + 2) - 19 a(n + 1), a(0) = 1, a(1) = 20\}$$

Sequence: A169418
Score: 11.0904
Type of gen. func.: ogf

$$-20 f(x) x + f(x) - x - 1$$

Sequence: A169418
Score: 13.4252
Type of gen. func.: ogf

$$-\frac{x + 1}{20 x - 1}$$

Sequence: A169418
Score: 6.89401
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1), a(0) = 1, a(1) = 21\}$$

Sequence: A169419
Score: 11.1506
Type of gen. func.: ogf

$$-21 f(x) x + f(x) - x - 1$$

Sequence: A169419
Score: 13.4981
Type of gen. func.: ogf

$$-\frac{x + 1}{21 x - 1}$$

Sequence: A169419
Score: 6.93147
Type of gen. func.: ogf

$$\{a(n + 2) - 21 a(n + 1), a(0) = 1, a(1) = 22\}$$

Sequence: A169420

```
Score: 11.452
Type of gen. func.: ogf


                           -22 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169420
Score: 13.8629
Type of gen. func.: ogf

                                         x + 1
                                     - --------
                                       22 x - 1



------------------------------------------------------------------------------

Sequence:  A169420
Score: 7.11881
Type of gen. func.: ogf

                 {a(n + 2) - 22 a(n + 1), a(0) = 1, a(1) = 23}



------------------------------------------------------------------------------

Sequence:  A169421
Score: 11.5123
Type of gen. func.: ogf

                           -23 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169421
Score: 13.9359
Type of gen. func.: ogf

                                         x + 1
                                     - --------
                                       23 x - 1



------------------------------------------------------------------------------

Sequence:  A169421
Score: 7.15628
Type of gen. func.: ogf

                 {a(n + 2) - 23 a(n + 1), a(0) = 1, a(1) = 24}



------------------------------------------------------------------------------

Sequence:  A169422
Score: 11.6328
```

```
Type of gen. func.: ogf

                           -24 f(x) x + f(x) - x - 1


--------------------------------------------------------------------------------

Sequence:  A169422
Score: 14.0818
Type of gen. func.: ogf

                                          x + 1
                                      - --------
                                        24 x - 1


--------------------------------------------------------------------------------

Sequence:  A169422
Score: 7.23122
Type of gen. func.: ogf

                 {a(n + 2) - 24 a(n + 1), a(0) = 1, a(1) = 25}


--------------------------------------------------------------------------------

Sequence:  A169423
Score: 11.7534
Type of gen. func.: ogf

                           -25 f(x) x + f(x) - x - 1


--------------------------------------------------------------------------------

Sequence:  A169423
Score: 14.2278
Type of gen. func.: ogf

                                          x + 1
                                      - --------
                                        25 x - 1


--------------------------------------------------------------------------------

Sequence:  A169423
Score: 7.30615
Type of gen. func.: ogf

                 {a(n + 2) - 25 a(n + 1), a(0) = 1, a(1) = 26}


--------------------------------------------------------------------------------

Sequence:  A169424
Score: 11.8739
Type of gen. func.: ogf
```

```
                           -26 f(x) x + f(x) - x - 1


-------------------------------------------------------------------------------

Sequence:  A169424
Score: 14.3737
Type of gen. func.: ogf

                                        x + 1
                                     - --------
                                       26 x - 1


-------------------------------------------------------------------------------

Sequence:  A169424
Score: 7.38108
Type of gen. func.: ogf

                 {a(n + 2) - 26 a(n + 1), a(0) = 1, a(1) = 27}


-------------------------------------------------------------------------------

Sequence:  A169425
Score: 12.0547
Type of gen. func.: ogf

                           -27 f(x) x + f(x) - x - 1


-------------------------------------------------------------------------------

Sequence:  A169425
Score: 14.5926
Type of gen. func.: ogf

                                        x + 1
                                     - --------
                                       27 x - 1


-------------------------------------------------------------------------------

Sequence:  A169425
Score: 7.49349
Type of gen. func.: ogf

                 {a(n + 2) - 27 a(n + 1), a(0) = 1, a(1) = 28}


-------------------------------------------------------------------------------

Sequence:  A169426
Score: 12.115
Type of gen. func.: ogf
```

```
                         -28 f(x) x + f(x) - x - 1


--------------------------------------------------------------------------------

Sequence:  A169426
Score: 14.6656
Type of gen. func.: ogf

                                       x + 1
                                    - --------
                                      28 x - 1


--------------------------------------------------------------------------------

Sequence:  A169426
Score: 7.53096
Type of gen. func.: ogf

                 {a(n + 2) - 28 a(n + 1), a(0) = 1, a(1) = 29}


--------------------------------------------------------------------------------

Sequence:  A169427
Score: 12.2356
Type of gen. func.: ogf

                         -29 f(x) x + f(x) - x - 1


--------------------------------------------------------------------------------

Sequence:  A169427
Score: 14.8115
Type of gen. func.: ogf

                                       x + 1
                                    - --------
                                      29 x - 1


--------------------------------------------------------------------------------

Sequence:  A169427
Score: 7.60589
Type of gen. func.: ogf

                 {a(n + 2) - 29 a(n + 1), a(0) = 1, a(1) = 30}


--------------------------------------------------------------------------------

Sequence:  A169428
Score: 12.2958
Type of gen. func.: ogf
```

```
                              -30 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A169428
Score: 14.8844
Type of gen. func.: ogf


                                          x + 1
                                       - --------
                                         30 x - 1



--------------------------------------------------------------------------------

Sequence:  A169428
Score: 7.64335
Type of gen. func.: ogf


                 {a(n + 2) - 30 a(n + 1), a(0) = 1, a(1) = 31}



--------------------------------------------------------------------------------

Sequence:  A169429
Score: 12.2958
Type of gen. func.: ogf


                              -31 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A169429
Score: 14.8844
Type of gen. func.: ogf


                                          x + 1
                                       - --------
                                         31 x - 1



--------------------------------------------------------------------------------

Sequence:  A169429
Score: 7.64335
Type of gen. func.: ogf


                 {a(n + 2) - 31 a(n + 1), a(0) = 1, a(1) = 32}



--------------------------------------------------------------------------------

Sequence:  A169430
Score: 12.7177
Type of gen. func.: ogf


                              -32 f(x) x + f(x) - x - 1
```

Sequence: A169430
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{32 x - 1}$$

Sequence: A169430
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 32 a(n + 1), a(0) = 1, a(1) = 33\}$$

Sequence: A169431
Score: 12.7177
Type of gen. func.: ogf

$$-33 f(x) x + f(x) - x - 1$$

Sequence: A169431
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{33 x - 1}$$

Sequence: A169431
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 33 a(n + 1), a(0) = 1, a(1) = 34\}$$

Sequence: A169432
Score: 12.7177
Type of gen. func.: ogf

$$-34 f(x) x + f(x) - x - 1$$

Sequence: A169432
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{34 x - 1}$$

Sequence: A169432
Score: 7.90562
Type of gen. func.: ogf

{a(n + 2) - 34 a(n + 1), a(0) = 1, a(1) = 35}

Sequence: A169433
Score: 12.8383
Type of gen. func.: ogf

-35 f(x) x + f(x) - x - 1

Sequence: A169433
Score: 15.5411
Type of gen. func.: ogf

$$-\frac{x + 1}{35 x - 1}$$

Sequence: A169433
Score: 7.98057
Type of gen. func.: ogf

{a(n + 2) - 35 a(n + 1), a(0) = 1, a(1) = 36}

Sequence: A169434
Score: 11.1854
Type of gen. func.: ogf

-36 f(x) x + f(x) - x - 1

Sequence: A169434
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{36 x - 1}$$

Sequence: A169434
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 36 a(n + 1), a(0) = 1, a(1) = 37\}$$

Sequence: A169435
Score: 11.1854
Type of gen. func.: ogf

$$-37 f(x) x + f(x) - x - 1$$

Sequence: A169435
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{37 x - 1}$$

Sequence: A169435
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 37 a(n + 1), a(0) = 1, a(1) = 38\}$$

Sequence: A169436
Score: 11.3032
Type of gen. func.: ogf

$$-38 f(x) x + f(x) - x - 1$$

Sequence: A169436
Score: 13.6828
Type of gen. func.: ogf

$$-\frac{x + 1}{38 x - 1}$$

Sequence: A169436
Score: 7.02630
Type of gen. func.: ogf

$$\{a(n + 2) - 38 a(n + 1), a(0) = 1, a(1) = 39\}$$

Sequence: A169437
Score: 11.362
Type of gen. func.: ogf

$$-39 f(x) x + f(x) - x - 1$$

Sequence: A169437
Score: 13.7541
Type of gen. func.: ogf

$$-\frac{x + 1}{39 x - 1}$$

Sequence: A169437
Score: 7.06289
Type of gen. func.: ogf

$$\{a(n + 2) - 39 a(n + 1), a(0) = 1, a(1) = 40\}$$

Sequence: A169438
Score: 11.4798
Type of gen. func.: ogf

$$-40 f(x) x + f(x) - x - 1$$

Sequence: A169438
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{40 x - 1}$$

Sequence: A169438
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 40 a(n + 1), a(0) = 1, a(1) = 41\}$$

Sequence: A169439
Score: 11.4798
Type of gen. func.: ogf

$$-41 f(x) x + f(x) - x - 1$$

Sequence: A169439
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{41 x - 1}$$

Sequence: A169439
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 41 a(n + 1), a(0) = 1, a(1) = 42\}$$

Sequence: A169440
Score: 11.5386
Type of gen. func.: ogf

$$-42 f(x) x + f(x) - x - 1$$

Sequence: A169440
Score: 13.9678
Type of gen. func.: ogf

$$-\frac{x + 1}{42 x - 1}$$

Sequence: A169440
Score: 7.17268
Type of gen. func.: ogf

{a(n + 2) - 42 a(n + 1), a(0) = 1, a(1) = 43}

Sequence: A169441
Score: 11.5975
Type of gen. func.: ogf

-43 f(x) x + f(x) - x - 1

Sequence: A169441
Score: 14.0391
Type of gen. func.: ogf

$$-\frac{x + 1}{43 x - 1}$$

Sequence: A169441
Score: 7.20927
Type of gen. func.: ogf

{a(n + 2) - 43 a(n + 1), a(0) = 1, a(1) = 44}

Sequence: A169442
Score: 11.7153
Type of gen. func.: ogf

-44 f(x) x + f(x) - x - 1

Sequence: A169442

Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x+1}{44x-1}$$

Sequence: A169442
Score: 7.28246
Type of gen. func.: ogf

{a(n + 2) - 44 a(n + 1), a(0) = 1, a(1) = 45}

Sequence: A169443
Score: 11.7153
Type of gen. func.: ogf

-45 f(x) x + f(x) - x - 1

Sequence: A169443
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x+1}{45x-1}$$

Sequence: A169443
Score: 7.28246
Type of gen. func.: ogf

{a(n + 2) - 45 a(n + 1), a(0) = 1, a(1) = 46}

Sequence: A169444
Score: 11.7153
Type of gen. func.: ogf

-46 f(x) x + f(x) - x - 1

Sequence: A169444
Score: 14.1816

Type of gen. func.: ogf

$$-\frac{x + 1}{46 x - 1}$$

Sequence: A169444
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 46 a(n + 1), a(0) = 1, a(1) = 47\}$$

Sequence: A169445
Score: 11.9507
Type of gen. func.: ogf

$$-47 f(x) x + f(x) - x - 1$$

Sequence: A169445
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{47 x - 1}$$

Sequence: A169445
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 47 a(n + 1), a(0) = 1, a(1) = 48\}$$

Sequence: A169446
Score: 11.9507
Type of gen. func.: ogf

$$-48 f(x) x + f(x) - x - 1$$

Sequence: A169446
Score: 14.4667
Type of gen. func.: ogf

```
                                      x + 1
                                   - --------
                                     48 x - 1


------------------------------------------------------------------------------

Sequence:  A169446
Score: 7.42884
Type of gen. func.: ogf

                 {a(n + 2) - 48 a(n + 1), a(0) = 1, a(1) = 49}


------------------------------------------------------------------------------

Sequence:  A169447
Score: 11.9507
Type of gen. func.: ogf

                           -49 f(x) x + f(x) - x - 1


------------------------------------------------------------------------------

Sequence:  A169447
Score: 14.4667
Type of gen. func.: ogf

                                      x + 1
                                   - --------
                                     49 x - 1


------------------------------------------------------------------------------

Sequence:  A169447
Score: 7.42884
Type of gen. func.: ogf

                 {a(n + 2) - 49 a(n + 1), a(0) = 1, a(1) = 50}


------------------------------------------------------------------------------

Sequence:  A169448
Score: 15.8654
Type of gen. func.: ogf

                            -2 f(x) x + f(x) - x - 1


------------------------------------------------------------------------------

Sequence:  A169448
Score: 19.2957
Type of gen. func.: ogf
```

$$-\frac{x+1}{2x-1}$$

Sequence: A169448
Score: 9.91586
Type of gen. func.: ogf

$$\{a(n+2) - 2a(n+1), a(0) = 1, a(1) = 3\}$$

Sequence: A169449
Score: 14.5528
Type of gen. func.: ogf

$$-3 f(x) x + f(x) - x - 1$$

Sequence: A169449
Score: 17.6994
Type of gen. func.: ogf

$$-\frac{x+1}{3x-1}$$

Sequence: A169449
Score: 9.09553
Type of gen. func.: ogf

$$\{a(n+2) - 3a(n+1), a(0) = 1, a(1) = 4\}$$

Sequence: A169450
Score: 14.619
Type of gen. func.: ogf

$$-4 f(x) x + f(x) - x - 1$$

Sequence: A169450
Score: 17.7799
Type of gen. func.: ogf

$$-\frac{x + 1}{4 x - 1}$$

Sequence: A169450
Score: 9.13689
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 5\}$$

Sequence: A169451
Score: 13.6693
Type of gen. func.: ogf

$$-5 f(x) x + f(x) - x - 1$$

Sequence: A169451
Score: 16.6248
Type of gen. func.: ogf

$$-\frac{x + 1}{5 x - 1}$$

Sequence: A169451
Score: 8.54329
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1), a(0) = 1, a(1) = 6\}$$

Sequence: A169452
Score: 13.4636
Type of gen. func.: ogf

$$-6 f(x) x + f(x) - x - 1$$

Sequence: A169452
Score: 16.3746
Type of gen. func.: ogf

$$x + 1$$

```
                                   - --------
                                     -1 + 6 x



------------------------------------------------------------------------------

Sequence:  A169452
Score: 8.41471
Type of gen. func.: ogf


                  {a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 7}



------------------------------------------------------------------------------

Sequence:  A169453
Score: 12.9815
Type of gen. func.: ogf


                            -7 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169453
Score: 15.7883
Type of gen. func.: ogf


                                      x + 1
                                   - -------
                                     7 x - 1



------------------------------------------------------------------------------

Sequence:  A169453
Score: 8.11343
Type of gen. func.: ogf


                  {a(n + 2) - 7 a(n + 1), a(0) = 1, a(1) = 8}



------------------------------------------------------------------------------

Sequence:  A169454
Score: 13.6472
Type of gen. func.: ogf


                            -8 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169454
Score: 16.5980
Type of gen. func.: ogf


                                      x + 1
                                   - -------
```

```
                                     8 x - 1



------------------------------------------------------------------------------

Sequence:  A169454
Score: 8.52951
Type of gen. func.: ogf


                  {a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 9}



------------------------------------------------------------------------------

Sequence:  A169455
Score: 12.7592
Type of gen. func.: ogf


                            -9 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169455
Score: 15.5180
Type of gen. func.: ogf


                                      x + 1
                                   - -------
                                     9 x - 1



------------------------------------------------------------------------------

Sequence:  A169455
Score: 7.86529
Type of gen. func.: ogf


                  {a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 10}



------------------------------------------------------------------------------

Sequence:  A169456
Score: 12.0642
Type of gen. func.: ogf


                           -10 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169456
Score: 14.6040
Type of gen. func.: ogf


                                      x + 1
                                   - --------
                                     10 x - 1
```

Sequence: A169456
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 11\}$$

Sequence: A169457
Score: 12.0642
Type of gen. func.: ogf

$$-11 f(x) x + f(x) - x - 1$$

Sequence: A169457
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x + 1}{11 x - 1}$$

Sequence: A169457
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1), a(0) = 1, a(1) = 12\}$$

Sequence: A169458
Score: 10.9017
Type of gen. func.: ogf

$$-12 f(x) x + f(x) - x - 1$$

Sequence: A169458
Score: 13.1968
Type of gen. func.: ogf

$$-\frac{x + 1}{12 x - 1}$$

Sequence: A169458
Score: 6.77673
Type of gen. func.: ogf

$$\{a(n+2) - 12\,a(n+1),\ a(0) = 1,\ a(1) = 13\}$$

Sequence: A169459
Score: 11.1481
Type of gen. func.: ogf

$$-13\,f(x)\,x + f(x) - x - 1$$

Sequence: A169459
Score: 13.4950
Type of gen. func.: ogf

$$-\frac{x+1}{13\,x-1}$$

Sequence: A169459
Score: 6.92988
Type of gen. func.: ogf

$$\{a(n+2) - 13\,a(n+1),\ a(0) = 1,\ a(1) = 14\}$$

Sequence: A169460
Score: 11.456
Type of gen. func.: ogf

$$-14\,f(x)\,x + f(x) - x - 1$$

Sequence: A169460
Score: 13.8678
Type of gen. func.: ogf

$$-\frac{x+1}{14\,x-1}$$

Sequence: A169460
Score: 7.12131
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1), a(0) = 1, a(1) = 15\}$$

Sequence: A169461
Score: 11.6408
Type of gen. func.: ogf

$$-15 f(x) x + f(x) - x - 1$$

Sequence: A169461
Score: 14.0915
Type of gen. func.: ogf

$$-\frac{x + 1}{15 x - 1}$$

Sequence: A169461
Score: 7.23618
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1), a(0) = 1, a(1) = 16\}$$

Sequence: A169462
Score: 11.9488
Type of gen. func.: ogf

$$-16 f(x) x + f(x) - x - 1$$

Sequence: A169462
Score: 14.4643
Type of gen. func.: ogf

$$-\frac{x + 1}{16 x - 1}$$

Sequence: A169462
Score: 7.42761
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 17\}$$

Sequence: A169463
Score: 12.1335
Type of gen. func.: ogf

$$-17 f(x) x + f(x) - x - 1$$

Sequence: A169463
Score: 14.6879
Type of gen. func.: ogf

$$-\frac{x + 1}{17 x - 1}$$

Sequence: A169463
Score: 7.54246
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1), a(0) = 1, a(1) = 18\}$$

Sequence: A169464
Score: 10.789
Type of gen. func.: ogf

$$-18 f(x) x + f(x) - x - 1$$

Sequence: A169464
Score: 13.0604
Type of gen. func.: ogf

$$-\frac{x + 1}{18 x - 1}$$

Sequence: A169464
Score: 6.70668
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1), a(0) = 1, a(1) = 19\}$$

Sequence: A169465
Score: 10.9095
Type of gen. func.: ogf

$$-19 f(x) x + f(x) - x - 1$$

Sequence: A169465
Score: 13.2063
Type of gen. func.: ogf

$$-\frac{x + 1}{19 x - 1}$$

Sequence: A169465
Score: 6.78161
Type of gen. func.: ogf

$$\{a(n + 2) - 19 a(n + 1), a(0) = 1, a(1) = 20\}$$

Sequence: A169466
Score: 11.0904
Type of gen. func.: ogf

$$-20 f(x) x + f(x) - x - 1$$

Sequence: A169466
Score: 13.4252
Type of gen. func.: ogf

$$-\frac{x + 1}{20 x - 1}$$

```
Sequence:  A169466
Score: 6.89401
Type of gen. func.: ogf

                 {a(n + 2) - 20 a(n + 1), a(0) = 1, a(1) = 21}



------------------------------------------------------------------------------

Sequence:  A169467
Score: 11.1506
Type of gen. func.: ogf

                           -21 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169467
Score: 13.4981
Type of gen. func.: ogf

                                         x + 1
                                     - --------
                                        21 x - 1



------------------------------------------------------------------------------

Sequence:  A169467
Score: 6.93147
Type of gen. func.: ogf

                 {a(n + 2) - 21 a(n + 1), a(0) = 1, a(1) = 22}



------------------------------------------------------------------------------

Sequence:  A169468
Score: 11.452
Type of gen. func.: ogf

                           -22 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169468
Score: 13.8629
Type of gen. func.: ogf

                                         x + 1
                                     - --------
                                        22 x - 1



------------------------------------------------------------------------------

Sequence:  A169468
```

Score: 7.11881
Type of gen. func.: ogf

$$\{a(n + 2) - 22 a(n + 1), a(0) = 1, a(1) = 23\}$$

Sequence: A169469
Score: 11.5123
Type of gen. func.: ogf

$$-23 f(x) x + f(x) - x - 1$$

Sequence: A169469
Score: 13.9359
Type of gen. func.: ogf

$$-\frac{x + 1}{23 x - 1}$$

Sequence: A169469
Score: 7.15628
Type of gen. func.: ogf

$$\{a(n + 2) - 23 a(n + 1), a(0) = 1, a(1) = 24\}$$

Sequence: A169470
Score: 11.6328
Type of gen. func.: ogf

$$-24 f(x) x + f(x) - x - 1$$

Sequence: A169470
Score: 14.0818
Type of gen. func.: ogf

$$-\frac{x + 1}{24 x - 1}$$

Sequence: A169470
Score: 7.23122

Type of gen. func.: ogf

$$\{a(n + 2) - 24 a(n + 1), a(0) = 1, a(1) = 25\}$$

Sequence: A169471
Score: 11.7534
Type of gen. func.: ogf

$$-25 f(x) x + f(x) - x - 1$$

Sequence: A169471
Score: 14.2278
Type of gen. func.: ogf

$$-\frac{x + 1}{25 x - 1}$$

Sequence: A169471
Score: 7.30615
Type of gen. func.: ogf

$$\{a(n + 2) - 25 a(n + 1), a(0) = 1, a(1) = 26\}$$

Sequence: A169472
Score: 11.8739
Type of gen. func.: ogf

$$-26 f(x) x + f(x) - x - 1$$

Sequence: A169472
Score: 14.3737
Type of gen. func.: ogf

$$-\frac{x + 1}{26 x - 1}$$

Sequence: A169472
Score: 7.38108
Type of gen. func.: ogf

```
                 {a(n + 2) - 26 a(n + 1), a(0) = 1, a(1) = 27}


--------------------------------------------------------------------------------

Sequence:  A169473
Score: 12.0547
Type of gen. func.: ogf

                             -27 f(x) x + f(x) - x - 1


--------------------------------------------------------------------------------

Sequence:  A169473
Score: 14.5926
Type of gen. func.: ogf

                                         x + 1
                                      - --------
                                        27 x - 1


--------------------------------------------------------------------------------

Sequence:  A169473
Score: 7.49349
Type of gen. func.: ogf

                 {a(n + 2) - 27 a(n + 1), a(0) = 1, a(1) = 28}


--------------------------------------------------------------------------------

Sequence:  A169474
Score: 12.115
Type of gen. func.: ogf

                             -28 f(x) x + f(x) - x - 1


--------------------------------------------------------------------------------

Sequence:  A169474
Score: 14.6656
Type of gen. func.: ogf

                                         x + 1
                                      - --------
                                        28 x - 1


--------------------------------------------------------------------------------

Sequence:  A169474
Score: 7.53096
Type of gen. func.: ogf
```

```
                {a(n + 2) - 28 a(n + 1), a(0) = 1, a(1) = 29}


--------------------------------------------------------------------------------

Sequence:  A169475
Score: 12.2356
Type of gen. func.: ogf


                          -29 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A169475
Score: 14.8115
Type of gen. func.: ogf


                                     x + 1
                                  - --------
                                    29 x - 1



--------------------------------------------------------------------------------

Sequence:  A169475
Score: 7.60589
Type of gen. func.: ogf


                {a(n + 2) - 29 a(n + 1), a(0) = 1, a(1) = 30}



--------------------------------------------------------------------------------

Sequence:  A169476
Score: 12.2958
Type of gen. func.: ogf


                          -30 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A169476
Score: 14.8844
Type of gen. func.: ogf


                                     x + 1
                                  - --------
                                    30 x - 1



--------------------------------------------------------------------------------

Sequence:  A169476
Score: 7.64335
Type of gen. func.: ogf
```

$$\{a(n + 2) - 30 a(n + 1), a(0) = 1, a(1) = 31\}$$

Sequence: A169477
Score: 12.2958
Type of gen. func.: ogf

$$-31 f(x) x + f(x) - x - 1$$

Sequence: A169477
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{31 x - 1}$$

Sequence: A169477
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 31 a(n + 1), a(0) = 1, a(1) = 32\}$$

Sequence: A169478
Score: 12.7177
Type of gen. func.: ogf

$$-32 f(x) x + f(x) - x - 1$$

Sequence: A169478
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{32 x - 1}$$

Sequence: A169478
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 32 a(n + 1), a(0) = 1, a(1) = 33\}$$

Sequence: A169479
Score: 12.7177
Type of gen. func.: ogf

```
-33 f(x) x + f(x) - x - 1
```

Sequence: A169479
Score: 15.3952
Type of gen. func.: ogf

```
   x + 1
- --------
  33 x - 1
```

Sequence: A169479
Score: 7.90562
Type of gen. func.: ogf

```
{a(n + 2) - 33 a(n + 1), a(0) = 1, a(1) = 34}
```

Sequence: A169480
Score: 12.7177
Type of gen. func.: ogf

```
-34 f(x) x + f(x) - x - 1
```

Sequence: A169480
Score: 15.3952
Type of gen. func.: ogf

```
   x + 1
- --------
  34 x - 1
```

Sequence: A169480
Score: 7.90562
Type of gen. func.: ogf

```
{a(n + 2) - 34 a(n + 1), a(0) = 1, a(1) = 35}
```

Sequence: A169481
Score: 12.8383
Type of gen. func.: ogf

$$-35 f(x) x + f(x) - x - 1$$

Sequence: A169481
Score: 15.5411
Type of gen. func.: ogf

$$-\frac{x + 1}{35 x - 1}$$

Sequence: A169481
Score: 7.98057
Type of gen. func.: ogf

$$\{a(n + 2) - 35 a(n + 1), a(0) = 1, a(1) = 36\}$$

Sequence: A169482
Score: 11.1854
Type of gen. func.: ogf

$$-36 f(x) x + f(x) - x - 1$$

Sequence: A169482
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{36 x - 1}$$

Sequence: A169482
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 36 a(n + 1), a(0) = 1, a(1) = 37\}$$

Sequence: A169483
Score: 11.1854
Type of gen. func.: ogf

$$-37 f(x) x + f(x) - x - 1$$

Sequence: A169483
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{37 x - 1}$$

Sequence: A169483
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 37 a(n + 1), a(0) = 1, a(1) = 38\}$$

Sequence: A169484
Score: 11.3032
Type of gen. func.: ogf

$$-38 f(x) x + f(x) - x - 1$$

Sequence: A169484
Score: 13.6828
Type of gen. func.: ogf

$$-\frac{x + 1}{38 x - 1}$$

Sequence: A169484
Score: 7.02630
Type of gen. func.: ogf

$$\{a(n + 2) - 38 a(n + 1), a(0) = 1, a(1) = 39\}$$

Sequence: A169485
Score: 11.362
Type of gen. func.: ogf

$$-39 f(x) x + f(x) - x - 1$$

Sequence: A169485
Score: 13.7541
Type of gen. func.: ogf

$$-\frac{x + 1}{39 x - 1}$$

Sequence: A169485
Score: 7.06289
Type of gen. func.: ogf

$$\{a(n + 2) - 39 a(n + 1), a(0) = 1, a(1) = 40\}$$

Sequence: A169486
Score: 11.4798
Type of gen. func.: ogf

$$-40 f(x) x + f(x) - x - 1$$

Sequence: A169486
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{40 x - 1}$$

Sequence: A169486
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 40 a(n + 1), a(0) = 1, a(1) = 41\}$$

Sequence: A169487
Score: 11.4798
Type of gen. func.: ogf

$$-41 f(x) x + f(x) - x - 1$$

Sequence: A169487
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{41 x - 1}$$

Sequence: A169487
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 41 a(n + 1), a(0) = 1, a(1) = 42\}$$

Sequence: A169488
Score: 11.5386
Type of gen. func.: ogf

$$-42 f(x) x + f(x) - x - 1$$

Sequence: A169488
Score: 13.9678
Type of gen. func.: ogf

$$-\frac{x + 1}{42 x - 1}$$

Sequence: A169488
Score: 7.17268
Type of gen. func.: ogf

$$\{a(n + 2) - 42 a(n + 1), a(0) = 1, a(1) = 43\}$$

```
Sequence:  A169489
Score: 11.5975
Type of gen. func.: ogf


                              -43 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169489
Score: 14.0391
Type of gen. func.: ogf

                                          x + 1
                                      - --------
                                         43 x - 1



------------------------------------------------------------------------------

Sequence:  A169489
Score: 7.20927
Type of gen. func.: ogf

                  {a(n + 2) - 43 a(n + 1), a(0) = 1, a(1) = 44}



------------------------------------------------------------------------------

Sequence:  A169490
Score: 11.7153
Type of gen. func.: ogf


                              -44 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169490
Score: 14.1816
Type of gen. func.: ogf

                                          x + 1
                                      - --------
                                         44 x - 1



------------------------------------------------------------------------------

Sequence:  A169490
Score: 7.28246
Type of gen. func.: ogf

                  {a(n + 2) - 44 a(n + 1), a(0) = 1, a(1) = 45}



------------------------------------------------------------------------------

Sequence:  A169491
```

Score: 11.7153
Type of gen. func.: ogf

$$-45 f(x) x + f(x) - x - 1$$

Sequence: A169491
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{45 x - 1}$$

Sequence: A169491
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 45 a(n + 1), a(0) = 1, a(1) = 46\}$$

Sequence: A169492
Score: 11.7153
Type of gen. func.: ogf

$$-46 f(x) x + f(x) - x - 1$$

Sequence: A169492
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{46 x - 1}$$

Sequence: A169492
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 46 a(n + 1), a(0) = 1, a(1) = 47\}$$

Sequence: A169493
Score: 11.9507

Type of gen. func.: ogf

$$-47 f(x) x + f(x) - x - 1$$

Sequence: A169493
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{47 x - 1}$$

Sequence: A169493
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 47 a(n + 1), a(0) = 1, a(1) = 48\}$$

Sequence: A169494
Score: 11.9507
Type of gen. func.: ogf

$$-48 f(x) x + f(x) - x - 1$$

Sequence: A169494
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{48 x - 1}$$

Sequence: A169494
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 48 a(n + 1), a(0) = 1, a(1) = 49\}$$

Sequence: A169495
Score: 11.9507
Type of gen. func.: ogf

$$-49 f(x) x + f(x) - x - 1$$

Sequence: A169495
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{49 x - 1}$$

Sequence: A169495
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 49 a(n + 1), a(0) = 1, a(1) = 50\}$$

Sequence: A169496
Score: 15.8654
Type of gen. func.: ogf

$$-2 f(x) x + f(x) - x - 1$$

Sequence: A169496
Score: 19.2957
Type of gen. func.: ogf

$$-\frac{x + 1}{2 x - 1}$$

Sequence: A169496
Score: 9.91586
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 3\}$$

Sequence: A169497
Score: 14.5528
Type of gen. func.: ogf

$$-3 f(x) x + f(x) - x - 1$$

Sequence: A169497
Score: 17.6994
Type of gen. func.: ogf

$$-\frac{x + 1}{3 x - 1}$$

Sequence: A169497
Score: 9.09553
Type of gen. func.: ogf

{a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 4}

Sequence: A169498
Score: 14.619
Type of gen. func.: ogf

$$-4 f(x) x + f(x) - x - 1$$

Sequence: A169498
Score: 17.7799
Type of gen. func.: ogf

$$-\frac{x + 1}{4 x - 1}$$

Sequence: A169498
Score: 9.13689
Type of gen. func.: ogf

{a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 5}

Sequence: A169499
Score: 13.6693
Type of gen. func.: ogf

```
-5 f(x) x + f(x) - x - 1
```

Sequence: A169499
Score: 16.6248
Type of gen. func.: ogf

```
   x + 1
- -------
  5 x - 1
```

Sequence: A169499
Score: 8.54329
Type of gen. func.: ogf

```
{a(n + 2) - 5 a(n + 1), a(0) = 1, a(1) = 6}
```

Sequence: A169500
Score: 13.4636
Type of gen. func.: ogf

```
-6 f(x) x + f(x) - x - 1
```

Sequence: A169500
Score: 16.3746
Type of gen. func.: ogf

```
   x + 1
- --------
  -1 + 6 x
```

Sequence: A169500
Score: 8.41471
Type of gen. func.: ogf

```
{a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 7}
```

Sequence: A169501
Score: 12.9815
Type of gen. func.: ogf

```
-7 f(x) x + f(x) - x - 1
```

Sequence: A169501
Score: 15.7883
Type of gen. func.: ogf

$$-\frac{x + 1}{7 x - 1}$$

Sequence: A169501
Score: 8.11343
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1), a(0) = 1, a(1) = 8\}$$

Sequence: A169502
Score: 13.6472
Type of gen. func.: ogf

$$-8 f(x) x + f(x) - x - 1$$

Sequence: A169502
Score: 16.5980
Type of gen. func.: ogf

$$-\frac{x + 1}{8 x - 1}$$

Sequence: A169502
Score: 8.52951
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 9\}$$

Sequence: A169503
Score: 12.7592
Type of gen. func.: ogf

$$-9 f(x) x + f(x) - x - 1$$

Sequence: A169503
Score: 15.5180
Type of gen. func.: ogf

$$-\frac{x + 1}{9 x - 1}$$

Sequence: A169503
Score: 7.86529
Type of gen. func.: ogf

{a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 10}

Sequence: A169504
Score: 12.0642
Type of gen. func.: ogf

-10 f(x) x + f(x) - x - 1

Sequence: A169504
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x + 1}{10 x - 1}$$

Sequence: A169504
Score: 7.49934
Type of gen. func.: ogf

{a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 11}

Sequence: A169505
Score: 12.0642
Type of gen. func.: ogf

-11 f(x) x + f(x) - x - 1

Sequence: A169505
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x + 1}{11 x - 1}$$

Sequence: A169505
Score: 7.49934
Type of gen. func.: ogf

{a(n + 2) - 11 a(n + 1), a(0) = 1, a(1) = 12}

Sequence: A169506
Score: 10.9017
Type of gen. func.: ogf

$$-12 f(x) x + f(x) - x - 1$$

Sequence: A169506
Score: 13.1968
Type of gen. func.: ogf

$$-\frac{x + 1}{12 x - 1}$$

Sequence: A169506
Score: 6.77673
Type of gen. func.: ogf

{a(n + 2) - 12 a(n + 1), a(0) = 1, a(1) = 13}

Sequence: A169507
Score: 11.1481
Type of gen. func.: ogf

$$-13 f(x) x + f(x) - x - 1$$

Sequence: A169507
Score: 13.4950
Type of gen. func.: ogf

$$-\frac{x + 1}{13 x - 1}$$

Sequence: A169507
Score: 6.92988
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1), a(0) = 1, a(1) = 14\}$$

Sequence: A169508
Score: 11.456
Type of gen. func.: ogf

$$-14 f(x) x + f(x) - x - 1$$

Sequence: A169508
Score: 13.8678
Type of gen. func.: ogf

$$-\frac{x + 1}{14 x - 1}$$

Sequence: A169508
Score: 7.12131
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1), a(0) = 1, a(1) = 15\}$$

Sequence: A169509
Score: 11.6408
Type of gen. func.: ogf

$$-15 f(x) x + f(x) - x - 1$$

Sequence: A169509
Score: 14.0915
Type of gen. func.: ogf

$$-\frac{x + 1}{15 x - 1}$$

Sequence: A169509
Score: 7.23618
Type of gen. func.: ogf

{a(n + 2) - 15 a(n + 1), a(0) = 1, a(1) = 16}

Sequence: A169510
Score: 11.9488
Type of gen. func.: ogf

-16 f(x) x + f(x) - x - 1

Sequence: A169510
Score: 14.4643
Type of gen. func.: ogf

$$-\frac{x + 1}{16 x - 1}$$

Sequence: A169510
Score: 7.42761
Type of gen. func.: ogf

{a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 17}

Sequence: A169511
Score: 12.1335
Type of gen. func.: ogf

-17 f(x) x + f(x) - x - 1

Sequence: A169511
Score: 14.6879
Type of gen. func.: ogf

$$-\frac{x + 1}{17 x - 1}$$

Sequence: A169511
Score: 7.54246
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1), a(0) = 1, a(1) = 18\}$$

Sequence: A169512
Score: 10.789
Type of gen. func.: ogf

$$-18 f(x) x + f(x) - x - 1$$

Sequence: A169512
Score: 13.0604
Type of gen. func.: ogf

$$-\frac{x + 1}{18 x - 1}$$

Sequence: A169512
Score: 6.70668
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1), a(0) = 1, a(1) = 19\}$$

Sequence: A169513
Score: 10.9095
Type of gen. func.: ogf

$$-19 f(x) x + f(x) - x - 1$$

Sequence: A169513

Score: 13.2063
Type of gen. func.: ogf

$$-\frac{x + 1}{19 x - 1}$$

Sequence: A169513
Score: 6.78161
Type of gen. func.: ogf

$$\{a(n + 2) - 19 a(n + 1), a(0) = 1, a(1) = 20\}$$

Sequence: A169514
Score: 11.0904
Type of gen. func.: ogf

$$-20 f(x) x + f(x) - x - 1$$

Sequence: A169514
Score: 13.4252
Type of gen. func.: ogf

$$-\frac{x + 1}{20 x - 1}$$

Sequence: A169514
Score: 6.89401
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1), a(0) = 1, a(1) = 21\}$$

Sequence: A169515
Score: 11.1506
Type of gen. func.: ogf

$$-21 f(x) x + f(x) - x - 1$$

Sequence: A169515
Score: 13.4981

```
Type of gen. func.: ogf


                                          x + 1
                                       - --------
                                         21 x - 1



--------------------------------------------------------------------------------

Sequence:  A169515
Score: 6.93147
Type of gen. func.: ogf


                 {a(n + 2) - 21 a(n + 1), a(0) = 1, a(1) = 22}



--------------------------------------------------------------------------------

Sequence:  A169516
Score: 11.452
Type of gen. func.: ogf


                           -22 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A169516
Score: 13.8629
Type of gen. func.: ogf


                                          x + 1
                                       - --------
                                         22 x - 1



--------------------------------------------------------------------------------

Sequence:  A169516
Score: 7.11881
Type of gen. func.: ogf


                 {a(n + 2) - 22 a(n + 1), a(0) = 1, a(1) = 23}



--------------------------------------------------------------------------------

Sequence:  A169517
Score: 11.5123
Type of gen. func.: ogf


                           -23 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A169517
Score: 13.9359
Type of gen. func.: ogf
```

$$-\frac{x + 1}{23 x - 1}$$

Sequence: A169517
Score: 7.15628
Type of gen. func.: ogf

$$\{a(n + 2) - 23 a(n + 1), a(0) = 1, a(1) = 24\}$$

Sequence: A169518
Score: 11.6328
Type of gen. func.: ogf

$$-24 f(x) x + f(x) - x - 1$$

Sequence: A169518
Score: 14.0818
Type of gen. func.: ogf

$$-\frac{x + 1}{24 x - 1}$$

Sequence: A169518
Score: 7.23122
Type of gen. func.: ogf

$$\{a(n + 2) - 24 a(n + 1), a(0) = 1, a(1) = 25\}$$

Sequence: A169519
Score: 11.7534
Type of gen. func.: ogf

$$-25 f(x) x + f(x) - x - 1$$

Sequence: A169519
Score: 14.2278
Type of gen. func.: ogf

$$-\frac{x + 1}{25 x - 1}$$

Sequence: A169519
Score: 7.30615
Type of gen. func.: ogf

$$\{a(n + 2) - 25 a(n + 1), a(0) = 1, a(1) = 26\}$$

Sequence: A169520
Score: 11.8739
Type of gen. func.: ogf

$$-26 f(x) x + f(x) - x - 1$$

Sequence: A169520
Score: 14.3737
Type of gen. func.: ogf

$$-\frac{x + 1}{26 x - 1}$$

Sequence: A169520
Score: 7.38108
Type of gen. func.: ogf

$$\{a(n + 2) - 26 a(n + 1), a(0) = 1, a(1) = 27\}$$

Sequence: A169521
Score: 12.0547
Type of gen. func.: ogf

$$-27 f(x) x + f(x) - x - 1$$

Sequence: A169521
Score: 14.5926
Type of gen. func.: ogf

$$-\frac{x + 1}{27 x - 1}$$

Sequence: A169521
Score: 7.49349
Type of gen. func.: ogf

{a(n + 2) - 27 a(n + 1), a(0) = 1, a(1) = 28}

Sequence: A169522
Score: 12.115
Type of gen. func.: ogf

$$-28 f(x) x + f(x) - x - 1$$

Sequence: A169522
Score: 14.6656
Type of gen. func.: ogf

$$-\frac{x + 1}{28 x - 1}$$

Sequence: A169522
Score: 7.53096
Type of gen. func.: ogf

{a(n + 2) - 28 a(n + 1), a(0) = 1, a(1) = 29}

Sequence: A169523
Score: 12.2356
Type of gen. func.: ogf

$$-29 f(x) x + f(x) - x - 1$$

Sequence: A169523
Score: 14.8115
Type of gen. func.: ogf

x + 1

```
                                      - --------
                                        29 x - 1
```

Sequence: A169523
Score: 7.60589
Type of gen. func.: ogf

```
                 {a(n + 2) - 29 a(n + 1), a(0) = 1, a(1) = 30}
```

Sequence: A169524
Score: 12.2958
Type of gen. func.: ogf

```
                           -30 f(x) x + f(x) - x - 1
```

Sequence: A169524
Score: 14.8844
Type of gen. func.: ogf

```
                                         x + 1
                                      - --------
                                        30 x - 1
```

Sequence: A169524
Score: 7.64335
Type of gen. func.: ogf

```
                 {a(n + 2) - 30 a(n + 1), a(0) = 1, a(1) = 31}
```

Sequence: A169525
Score: 12.2958
Type of gen. func.: ogf

```
                           -31 f(x) x + f(x) - x - 1
```

Sequence: A169525
Score: 14.8844
Type of gen. func.: ogf

```
                                         x + 1
                                      - --------
```

31 x - 1

Sequence: A169525
Score: 7.64335
Type of gen. func.: ogf

{a(n + 2) - 31 a(n + 1), a(0) = 1, a(1) = 32}

Sequence: A169526
Score: 12.7177
Type of gen. func.: ogf

-32 f(x) x + f(x) - x - 1

Sequence: A169526
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{32 x - 1}$$

Sequence: A169526
Score: 7.90562
Type of gen. func.: ogf

{a(n + 2) - 32 a(n + 1), a(0) = 1, a(1) = 33}

Sequence: A169527
Score: 12.7177
Type of gen. func.: ogf

-33 f(x) x + f(x) - x - 1

Sequence: A169527
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{33 x - 1}$$

Sequence: A169527
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 33 a(n + 1), a(0) = 1, a(1) = 34\}$$

Sequence: A169528
Score: 12.7177
Type of gen. func.: ogf

$$-34 f(x) x + f(x) - x - 1$$

Sequence: A169528
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{34 x - 1}$$

Sequence: A169528
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 34 a(n + 1), a(0) = 1, a(1) = 35\}$$

Sequence: A169529
Score: 12.8383
Type of gen. func.: ogf

$$-35 f(x) x + f(x) - x - 1$$

Sequence: A169529
Score: 15.5411
Type of gen. func.: ogf

$$-\frac{x + 1}{35 x - 1}$$

Sequence: A169529
Score: 7.98057
Type of gen. func.: ogf

$$\{a(n + 2) - 35 a(n + 1), a(0) = 1, a(1) = 36\}$$

Sequence: A169530
Score: 11.1854
Type of gen. func.: ogf

$$-36 f(x) x + f(x) - x - 1$$

Sequence: A169530
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{36 x - 1}$$

Sequence: A169530
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 36 a(n + 1), a(0) = 1, a(1) = 37\}$$

Sequence: A169531
Score: 11.1854
Type of gen. func.: ogf

$$-37 f(x) x + f(x) - x - 1$$

Sequence: A169531
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{37 x - 1}$$

Sequence: A169531
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 37 a(n + 1), a(0) = 1, a(1) = 38\}$$

Sequence: A169532
Score: 11.3032
Type of gen. func.: ogf

$$-38 f(x) x + f(x) - x - 1$$

Sequence: A169532
Score: 13.6828
Type of gen. func.: ogf

$$-\frac{x + 1}{38 x - 1}$$

Sequence: A169532
Score: 7.02630
Type of gen. func.: ogf

$$\{a(n + 2) - 38 a(n + 1), a(0) = 1, a(1) = 39\}$$

Sequence: A169533
Score: 11.362
Type of gen. func.: ogf

$$-39 f(x) x + f(x) - x - 1$$

Sequence: A169533
Score: 13.7541
Type of gen. func.: ogf

$$-\frac{x + 1}{39 x - 1}$$

Sequence: A169533
Score: 7.06289
Type of gen. func.: ogf

$$\{a(n + 2) - 39 a(n + 1), a(0) = 1, a(1) = 40\}$$

Sequence: A169534
Score: 11.4798
Type of gen. func.: ogf

$$-40 f(x) x + f(x) - x - 1$$

Sequence: A169534
Score: 13.8966
Type of gen. func.: ogf

$$- \frac{x + 1}{40 x - 1}$$

Sequence: A169534
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 40 a(n + 1), a(0) = 1, a(1) = 41\}$$

Sequence: A169535
Score: 11.4798
Type of gen. func.: ogf

$$-41 f(x) x + f(x) - x - 1$$

Sequence: A169535
Score: 13.8966
Type of gen. func.: ogf

$$- \frac{x + 1}{41 x - 1}$$

Sequence: A169535
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 41 a(n + 1), a(0) = 1, a(1) = 42\}$$

Sequence: A169536
Score: 11.5386
Type of gen. func.: ogf

$$-42 f(x) x + f(x) - x - 1$$

Sequence: A169536
Score: 13.9678
Type of gen. func.: ogf

$$-\frac{x + 1}{42 x - 1}$$

Sequence: A169536
Score: 7.17268
Type of gen. func.: ogf

$$\{a(n + 2) - 42 a(n + 1), a(0) = 1, a(1) = 43\}$$

Sequence: A169537
Score: 11.5975
Type of gen. func.: ogf

$$-43 f(x) x + f(x) - x - 1$$

Sequence: A169537
Score: 14.0391
Type of gen. func.: ogf

$$-\frac{x + 1}{43 x - 1}$$

Sequence: A169537
Score: 7.20927
Type of gen. func.: ogf

$$\{a(n + 2) - 43 a(n + 1), a(0) = 1, a(1) = 44\}$$

Sequence: A169538
Score: 11.7153
Type of gen. func.: ogf

$$-44 f(x) x + f(x) - x - 1$$

Sequence: A169538
Score: 14.1816
Type of gen. func.: ogf

$$- \frac{x + 1}{44 x - 1}$$

Sequence: A169538
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 44 a(n + 1), a(0) = 1, a(1) = 45\}$$

Sequence: A169539
Score: 11.7153
Type of gen. func.: ogf

$$-45 f(x) x + f(x) - x - 1$$

Sequence: A169539
Score: 14.1816
Type of gen. func.: ogf

$$- \frac{x + 1}{45 x - 1}$$

Sequence: A169539

```
Score: 7.28246
Type of gen. func.: ogf


                 {a(n + 2) - 45 a(n + 1), a(0) = 1, a(1) = 46}



--------------------------------------------------------------------------------

Sequence:  A169540
Score: 11.7153
Type of gen. func.: ogf


                           -46 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A169540
Score: 14.1816
Type of gen. func.: ogf


                                       x + 1
                                    - --------
                                      46 x - 1



--------------------------------------------------------------------------------

Sequence:  A169540
Score: 7.28246
Type of gen. func.: ogf


                 {a(n + 2) - 46 a(n + 1), a(0) = 1, a(1) = 47}



--------------------------------------------------------------------------------

Sequence:  A169541
Score: 11.9507
Type of gen. func.: ogf


                           -47 f(x) x + f(x) - x - 1



--------------------------------------------------------------------------------

Sequence:  A169541
Score: 14.4667
Type of gen. func.: ogf


                                       x + 1
                                    - --------
                                      47 x - 1



--------------------------------------------------------------------------------

Sequence:  A169541
Score: 7.42884
```

Type of gen. func.: ogf

$$\{a(n + 2) - 47 a(n + 1), a(0) = 1, a(1) = 48\}$$

Sequence: A169542
Score: 11.9507
Type of gen. func.: ogf

$$-48 f(x) x + f(x) - x - 1$$

Sequence: A169542
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{48 x - 1}$$

Sequence: A169542
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 48 a(n + 1), a(0) = 1, a(1) = 49\}$$

Sequence: A169543
Score: 11.9507
Type of gen. func.: ogf

$$-49 f(x) x + f(x) - x - 1$$

Sequence: A169543
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{49 x - 1}$$

Sequence: A169543
Score: 7.42884
Type of gen. func.: ogf

```
                   {a(n + 2) - 49 a(n + 1), a(0) = 1, a(1) = 50}


-------------------------------------------------------------------------------

Sequence:  A169544
Score: 15.8654
Type of gen. func.: ogf

                              -2 f(x) x + f(x) - x - 1



-------------------------------------------------------------------------------

Sequence:  A169544
Score: 19.2957
Type of gen. func.: ogf

                                          x + 1
                                      - -------
                                         2 x - 1



-------------------------------------------------------------------------------

Sequence:  A169544
Score: 9.91586
Type of gen. func.: ogf

                    {a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 3}



-------------------------------------------------------------------------------

Sequence:  A169545
Score: 14.5528
Type of gen. func.: ogf

                              -3 f(x) x + f(x) - x - 1



-------------------------------------------------------------------------------

Sequence:  A169545
Score: 17.6994
Type of gen. func.: ogf

                                          x + 1
                                      - -------
                                         3 x - 1



-------------------------------------------------------------------------------

Sequence:  A169545
Score: 9.09553
Type of gen. func.: ogf
```

$$\{a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 4\}$$

Sequence: A169546
Score: 14.619
Type of gen. func.: ogf

$$-4 f(x) x + f(x) - x - 1$$

Sequence: A169546
Score: 17.7799
Type of gen. func.: ogf

$$-\frac{x + 1}{4 x - 1}$$

Sequence: A169546
Score: 9.13689
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 5\}$$

Sequence: A169547
Score: 13.6693
Type of gen. func.: ogf

$$-5 f(x) x + f(x) - x - 1$$

Sequence: A169547
Score: 16.6248
Type of gen. func.: ogf

$$-\frac{x + 1}{5 x - 1}$$

Sequence: A169547
Score: 8.54329
Type of gen. func.: ogf

```
              {a(n + 2) - 5 a(n + 1), a(0) = 1, a(1) = 6}



-------------------------------------------------------------------------------

Sequence:  A169548
Score: 13.4636
Type of gen. func.: ogf


                        -6 f(x) x + f(x) - x - 1



-------------------------------------------------------------------------------

Sequence:  A169548
Score: 16.3746
Type of gen. func.: ogf


                                  x + 1
                               - --------
                                 -1 + 6 x



-------------------------------------------------------------------------------

Sequence:  A169548
Score: 8.41471
Type of gen. func.: ogf


              {a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 7}



-------------------------------------------------------------------------------

Sequence:  A169549
Score: 12.9815
Type of gen. func.: ogf


                        -7 f(x) x + f(x) - x - 1



-------------------------------------------------------------------------------

Sequence:  A169549
Score: 15.7883
Type of gen. func.: ogf


                                  x + 1
                               - -------
                                 7 x - 1



-------------------------------------------------------------------------------

Sequence:  A169549
Score: 8.11343
Type of gen. func.: ogf


              {a(n + 2) - 7 a(n + 1), a(0) = 1, a(1) = 8}
```

Sequence: A169550
Score: 13.6472
Type of gen. func.: ogf

$$-8 f(x) x + f(x) - x - 1$$

Sequence: A169550
Score: 16.5980
Type of gen. func.: ogf

$$-\frac{x + 1}{8 x - 1}$$

Sequence: A169550
Score: 8.52951
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 9\}$$

Sequence: A169551
Score: 12.7592
Type of gen. func.: ogf

$$-9 f(x) x + f(x) - x - 1$$

Sequence: A169551
Score: 15.5180
Type of gen. func.: ogf

$$-\frac{x + 1}{9 x - 1}$$

Sequence: A169551
Score: 7.86529
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 10\}$$

```
------------------------------------------------------------------------------

Sequence:  A169552
Score: 12.0642
Type of gen. func.: ogf


                           -10 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169552
Score: 14.6040
Type of gen. func.: ogf


                                         x + 1
                                      - --------
                                        10 x - 1



------------------------------------------------------------------------------

Sequence:  A169552
Score: 7.49934
Type of gen. func.: ogf


                 {a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 11}



------------------------------------------------------------------------------

Sequence:  A169553
Score: 12.0642
Type of gen. func.: ogf


                           -11 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169553
Score: 14.6040
Type of gen. func.: ogf


                                         x + 1
                                      - --------
                                        11 x - 1



------------------------------------------------------------------------------

Sequence:  A169553
Score: 7.49934
Type of gen. func.: ogf


                 {a(n + 2) - 11 a(n + 1), a(0) = 1, a(1) = 12}
```

Sequence: A169554
Score: 10.9017
Type of gen. func.: ogf

```
-12 f(x) x + f(x) - x - 1
```

Sequence: A169554
Score: 13.1968
Type of gen. func.: ogf

```
   x + 1
- --------
  12 x - 1
```

Sequence: A169554
Score: 6.77673
Type of gen. func.: ogf

```
{a(n + 2) - 12 a(n + 1), a(0) = 1, a(1) = 13}
```

Sequence: A169555
Score: 11.1481
Type of gen. func.: ogf

```
-13 f(x) x + f(x) - x - 1
```

Sequence: A169555
Score: 13.4950
Type of gen. func.: ogf

```
   x + 1
- --------
  13 x - 1
```

Sequence: A169555
Score: 6.92988
Type of gen. func.: ogf

```
{a(n + 2) - 13 a(n + 1), a(0) = 1, a(1) = 14}
```

Sequence: A169556
Score: 11.456
Type of gen. func.: ogf

$$-14 f(x) x + f(x) - x - 1$$

Sequence: A169556
Score: 13.8678
Type of gen. func.: ogf

$$- \frac{x + 1}{14 x - 1}$$

Sequence: A169556
Score: 7.12131
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1), a(0) = 1, a(1) = 15\}$$

Sequence: A169557
Score: 11.6408
Type of gen. func.: ogf

$$-15 f(x) x + f(x) - x - 1$$

Sequence: A169557
Score: 14.0915
Type of gen. func.: ogf

$$- \frac{x + 1}{15 x - 1}$$

Sequence: A169557
Score: 7.23618
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1), a(0) = 1, a(1) = 16\}$$

Sequence: A169558
Score: 11.9488
Type of gen. func.: ogf

$$-16 f(x) x + f(x) - x - 1$$

Sequence: A169558
Score: 14.4643
Type of gen. func.: ogf

$$-\frac{x + 1}{16 x - 1}$$

Sequence: A169558
Score: 7.42761
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 17\}$$

Sequence: A169559
Score: 12.1335
Type of gen. func.: ogf

$$-17 f(x) x + f(x) - x - 1$$

Sequence: A169559
Score: 14.6879
Type of gen. func.: ogf

$$-\frac{x + 1}{17 x - 1}$$

Sequence: A169559
Score: 7.54246
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1), a(0) = 1, a(1) = 18\}$$

Sequence: A169560
Score: 10.789
Type of gen. func.: ogf

$$-18 f(x) x + f(x) - x - 1$$

Sequence: A169560
Score: 13.0604
Type of gen. func.: ogf

$$-\frac{x + 1}{18 x - 1}$$

Sequence: A169560
Score: 6.70668
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1), a(0) = 1, a(1) = 19\}$$

Sequence: A169561
Score: 10.9095
Type of gen. func.: ogf

$$-19 f(x) x + f(x) - x - 1$$

Sequence: A169561
Score: 13.2063
Type of gen. func.: ogf

$$-\frac{x + 1}{19 x - 1}$$

Sequence: A169561
Score: 6.78161
Type of gen. func.: ogf

$$\{a(n + 2) - 19 a(n + 1), a(0) = 1, a(1) = 20\}$$

Sequence: A169562

Score: 11.0904
Type of gen. func.: ogf

$$-20 f(x) x + f(x) - x - 1$$

Sequence: A169562
Score: 13.4252
Type of gen. func.: ogf

$$-\frac{x + 1}{20 x - 1}$$

Sequence: A169562
Score: 6.89401
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1), a(0) = 1, a(1) = 21\}$$

Sequence: A169563
Score: 11.1506
Type of gen. func.: ogf

$$-21 f(x) x + f(x) - x - 1$$

Sequence: A169563
Score: 13.4981
Type of gen. func.: ogf

$$-\frac{x + 1}{21 x - 1}$$

Sequence: A169563
Score: 6.93147
Type of gen. func.: ogf

$$\{a(n + 2) - 21 a(n + 1), a(0) = 1, a(1) = 22\}$$

Sequence: A169564
Score: 11.452

Type of gen. func.: ogf

$$-22 f(x) x + f(x) - x - 1$$

Sequence: A169564
Score: 13.8629
Type of gen. func.: ogf

$$-\frac{x + 1}{22 x - 1}$$

Sequence: A169564
Score: 7.11881
Type of gen. func.: ogf

$$\{a(n + 2) - 22 a(n + 1), a(0) = 1, a(1) = 23\}$$

Sequence: A169565
Score: 11.5123
Type of gen. func.: ogf

$$-23 f(x) x + f(x) - x - 1$$

Sequence: A169565
Score: 13.9359
Type of gen. func.: ogf

$$-\frac{x + 1}{23 x - 1}$$

Sequence: A169565
Score: 7.15628
Type of gen. func.: ogf

$$\{a(n + 2) - 23 a(n + 1), a(0) = 1, a(1) = 24\}$$

Sequence: A169566
Score: 11.6328
Type of gen. func.: ogf

$$-24 f(x) x + f(x) - x - 1$$

Sequence: A169566
Score: 14.0818
Type of gen. func.: ogf

$$-\frac{x + 1}{24 x - 1}$$

Sequence: A169566
Score: 7.23122
Type of gen. func.: ogf

$$\{a(n + 2) - 24 a(n + 1), a(0) = 1, a(1) = 25\}$$

Sequence: A169567
Score: 11.7534
Type of gen. func.: ogf

$$-25 f(x) x + f(x) - x - 1$$

Sequence: A169567
Score: 14.2278
Type of gen. func.: ogf

$$-\frac{x + 1}{25 x - 1}$$

Sequence: A169567
Score: 7.30615
Type of gen. func.: ogf

$$\{a(n + 2) - 25 a(n + 1), a(0) = 1, a(1) = 26\}$$

Sequence: A169568
Score: 11.8739
Type of gen. func.: ogf

$$-26 f(x) x + f(x) - x - 1$$

Sequence: A169568
Score: 14.3737
Type of gen. func.: ogf

$$-\frac{x + 1}{26 x - 1}$$

Sequence: A169568
Score: 7.38108
Type of gen. func.: ogf

$$\{a(n + 2) - 26 a(n + 1), a(0) = 1, a(1) = 27\}$$

Sequence: A169569
Score: 12.0547
Type of gen. func.: ogf

$$-27 f(x) x + f(x) - x - 1$$

Sequence: A169569
Score: 14.5926
Type of gen. func.: ogf

$$-\frac{x + 1}{27 x - 1}$$

Sequence: A169569
Score: 7.49349
Type of gen. func.: ogf

$$\{a(n + 2) - 27 a(n + 1), a(0) = 1, a(1) = 28\}$$

Sequence: A169570
Score: 12.115
Type of gen. func.: ogf

$$-28 f(x) x + f(x) - x - 1$$

Sequence: A169570
Score: 14.6656
Type of gen. func.: ogf

$$-\frac{x + 1}{28 x - 1}$$

Sequence: A169570
Score: 7.53096
Type of gen. func.: ogf

$$\{a(n + 2) - 28 a(n + 1), a(0) = 1, a(1) = 29\}$$

Sequence: A169571
Score: 12.2356
Type of gen. func.: ogf

$$-29 f(x) x + f(x) - x - 1$$

Sequence: A169571
Score: 14.8115
Type of gen. func.: ogf

$$-\frac{x + 1}{29 x - 1}$$

Sequence: A169571
Score: 7.60589
Type of gen. func.: ogf

$$\{a(n + 2) - 29 a(n + 1), a(0) = 1, a(1) = 30\}$$

Sequence: A169572
Score: 12.2958
Type of gen. func.: ogf

$$-30 f(x) x + f(x) - x - 1$$

Sequence: A169572
Score: 14.8844
Type of gen. func.: ogf

```
   x + 1
- --------
  30 x - 1
```

Sequence: A169572
Score: 7.64335
Type of gen. func.: ogf

```
{a(n + 2) - 30 a(n + 1), a(0) = 1, a(1) = 31}
```

Sequence: A169573
Score: 12.2958
Type of gen. func.: ogf

```
-31 f(x) x + f(x) - x - 1
```

Sequence: A169573
Score: 14.8844
Type of gen. func.: ogf

```
   x + 1
- --------
  31 x - 1
```

Sequence: A169573
Score: 7.64335
Type of gen. func.: ogf

```
{a(n + 2) - 31 a(n + 1), a(0) = 1, a(1) = 32}
```

Sequence: A169574
Score: 12.7177
Type of gen. func.: ogf

```
-32 f(x) x + f(x) - x - 1
```

Sequence: A169574
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{32 x - 1}$$

Sequence: A169574
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 32 a(n + 1), a(0) = 1, a(1) = 33\}$$

Sequence: A169575
Score: 12.7177
Type of gen. func.: ogf

$$-33 f(x) x + f(x) - x - 1$$

Sequence: A169575
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{33 x - 1}$$

Sequence: A169575
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 33 a(n + 1), a(0) = 1, a(1) = 34\}$$

Sequence: A169576
Score: 12.7177
Type of gen. func.: ogf

$$-34 f(x) x + f(x) - x - 1$$

```
------------------------------------------------------------------------------

Sequence:  A169576
Score: 15.3952
Type of gen. func.: ogf


                                         x + 1
                                      - --------
                                        34 x - 1



------------------------------------------------------------------------------

Sequence:  A169576
Score: 7.90562
Type of gen. func.: ogf


                 {a(n + 2) - 34 a(n + 1), a(0) = 1, a(1) = 35}



------------------------------------------------------------------------------

Sequence:  A169577
Score: 12.8383
Type of gen. func.: ogf


                              -35 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A169577
Score: 15.5411
Type of gen. func.: ogf


                                         x + 1
                                      - --------
                                        35 x - 1



------------------------------------------------------------------------------

Sequence:  A169577
Score: 7.98057
Type of gen. func.: ogf


                 {a(n + 2) - 35 a(n + 1), a(0) = 1, a(1) = 36}



------------------------------------------------------------------------------

Sequence:  A169578
Score: 11.1854
Type of gen. func.: ogf


                              -36 f(x) x + f(x) - x - 1
```

Sequence: A169578
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{36 x - 1}$$

Sequence: A169578
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 36 a(n + 1), a(0) = 1, a(1) = 37\}$$

Sequence: A169579
Score: 11.1854
Type of gen. func.: ogf

$$-37 f(x) x + f(x) - x - 1$$

Sequence: A169579
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{37 x - 1}$$

Sequence: A169579
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 37 a(n + 1), a(0) = 1, a(1) = 38\}$$

Sequence: A169585
Score: 10.2387
Type of gen. func.: ogf

$$\{a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A169585
Score: 108.075
Type of gen. func.: lgdogf

$$\frac{3}{1 + 3 x}$$

Sequence: A169585
Score: 18.9606
Type of gen. func.: ogf

$$1 + 3 x - f(x)$$

Sequence: A169585
Score: 44.2126
Type of gen. func.: revogf

$$\frac{2 x}{1 + (1 + 12 x)^{1/2}}$$

Sequence: A169592
Score: 6.37438
Type of gen. func.: ogf

$$- \frac{x^6 - x^5 + x^4 - 4 x^3 - x^2 + x + 1}{(x - 1) (3 x^3 - 1) (x^4 + x^2 - 1)}$$

Sequence: A169597
Score: 13.9589
Type of gen. func.: ogf

$$\frac{4 x^2 + 13 x + 2}{(x + 1) (x - 1)^2}$$

Sequence: A169597
Score: 15.1459

Type of gen. func.: lgdogf

$$-\frac{53 x^3 + 27 x^2 - 84 x - 72}{(x - 1) (x + 1) (53 x^2 - 13 x - 59)}$$

Sequence: A169597
Score: 7.33433
Type of gen. func.: ogf

$$(893 f(x) + 66110) (f(x) x^3 - f(x) x^2 - f(x) x - 4 x^2 + f(x) - 13 x - 2)$$

Sequence: A169597
Score: 7.59167
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 15, a(2) = 21\}$$

Sequence: A169598
Score: 13.7671
Type of gen. func.: ogf

$$\frac{5 x^2 + 15 x + 3}{(x + 1) (x - 1)^2}$$

Sequence: A169598
Score: 15.0001
Type of gen. func.: lgdogf

$$-\frac{72 x^3 + 56 x^2 - 125 x - 95}{(x - 1) (x + 1) (72 x^2 - 8 x - 87)}$$

Sequence: A169598
Score: 7.11302
Type of gen. func.: ogf

$$(3473 f(x) - 155375) (f(x) x^3 - f(x) x^2 - f(x) x - 5 x^2 + f(x) - 15 x - 3)$$

Sequence: A169598
Score: 7.48738
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 3, a(1) = 18, a(2) = 26\}$$

Sequence: A169599
Score: 13.3027
Type of gen. func.: lgdogf

$$- \frac{120 x^3 + 100 x^2 - 187 x - 149}{(x - 1) (x + 1) (120 x^2 - 10 x - 139)}$$

Sequence: A169599
Score: 14.5419
Type of gen. func.: ogf

$$\frac{6 x^2 + 19 x + 4}{(x + 1) (x - 1)^2}$$

Sequence: A169599
Score: 7.15556
Type of gen. func.: ogf

$$-(14123 f(x) - 1090754) (f(x) x^3 - f(x) x^2 - f(x) x - 6 x^2 + f(x) - 19 x - 4)$$

Sequence: A169599
Score: 7.90877
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 4, a(1) = 23, a(2) = 33\}$$

Sequence: A169600
Score: 13.3027
Type of gen. func.: lgdogf

$$-\frac{149 x^3 + 107 x^2 - 200 x - 180}{(x - 1) (x + 1) (149 x^2 - 21 x - 159)}$$

Sequence: A169600
Score: 15.8467
Type of gen. func.: ogf

$$\frac{6 x^2 + 21 x + 4}{(x + 1) (x - 1)^2}$$

Sequence: A169600
Score: 8.39743
Type of gen. func.: ogf

$$(93 f(x) + 17828) (f(x) x^3 - f(x) x^2 - f(x) x - 6 x^2 + f(x) - 21 x - 4)$$

Sequence: A169600
Score: 8.61840
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 4, a(1) = 25, a(2) = 35\}$$

Sequence: A169601
Score: 3.16954
Type of gen. func.: ogf

$$(160058811 f(x) - 373609826)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 2810 x^2 - f(x) - 139 x + 2)$$

Sequence: A169601
Score: 3.57852
Type of gen. func.: ogf

{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 2, a(1) = 83,

a(2) = 9803}

Sequence: A169601
Score: 5.99643
Type of gen. func.: ogf

$$-\frac{2810 x^2 - 139 x + 2}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A169604
Score: 11.0035
Type of gen. func.: ogf

{a(n + 1) - 6 a(n), a(0) = 3}

Sequence: A169604
Score: 13.9557
Type of gen. func.: ogf

$$-6 f(x) x + f(x) - 3$$

Sequence: A169604
Score: 22.8874
Type of gen. func.: ogf

$$-\frac{3}{-1 + 6 x}$$

Sequence: A169604
Score: 43.0924
Type of gen. func.: revogf

$$\frac{x}{3 (2 x + 1)}$$

Sequence: A169604
Score: 56.0202
Type of gen. func.: lgdogf

$$-\frac{6}{-1 + 6 x}$$

Sequence: A169607
Score: 13.7718
Type of gen. func.: ogf

$$\frac{7 x (x + 1)}{(x - 1)^4}$$

Sequence: A169607
Score: 42.3602
Type of gen. func.: ogf_with_Euler_transform]

[5 - x]

Sequence: A169607
Score: 44.1941
Type of gen. func.: lgdogf

$$-\frac{5 + 3 x}{(x - 1) (x + 1)}$$

Sequence: A169607
Score: 6.5821
Type of gen. func.: ogf

-(2144 f(x) + 12551)

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 7 x^2 + f(x) - 7 x)$$

Sequence: A169607
Score: 6.68034
Type of gen. func.: ogf

{(n + 2) a(n + 3) - 5 a(n + 2) + (-3 - n) a(n + 1), a(0) = 0, a(1) = 7,

$a(2) = 35\}$

Sequence: A169609
Score: 13.0433
Type of gen. func.: ogf

$$(5 f(x) + 22) (f(x) x^3 + 3 x^2 - f(x) + 3 x + 1)$$

Sequence: A169609
Score: 13.0433
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n), a(0) = 1, a(1) = 3, a(2) = 3\}$$

Sequence: A169609
Score: 18.0125
Type of gen. func.: lgdogf

$$-\frac{3 (x^4 + 2 x^3 + x^2 + 2 x + 1)}{(x - 1) (x^2 + x + 1) (3 x^2 + 3 x + 1)}$$

Sequence: A169609
Score: 20.2305
Type of gen. func.: ogf

$$-\frac{3 x^2 + 3 x + 1}{(x - 1) (x^2 + x + 1)}$$

Sequence: A169610
Score: 13.1025
Type of gen. func.: lgdogf

$$-\frac{215 x^3 + 165 x^2 - 276 x - 252}{(x - 1) (x + 1) (215 x^2 - 25 x - 227)}$$

Sequence: A169610
Score: 14.8680
Type of gen. func.: ogf

$$\frac{7 x^2 + 25 x + 5}{(x + 1) (x - 1)^2}$$

Sequence: A169610
Score: 7.434
Type of gen. func.: ogf

$$-(3293 f(x) + 892751) (f(x) x^3 - f(x) x^2 - f(x) x - 7 x^2 + f(x) - 25 x - 5)$$

Sequence: A169610
Score: 8.08610
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 5, a(1) = 30, a(2) = 42\}$$

Sequence: A169622
Score: 12.4783
Type of gen. func.: lgdogf

$$-\frac{4 x^4 + 8 x^3 - 7 x^2 - 8 x + 6}{(x - 1) (4 x^2 + 4 x - 5) (x^2 + x - 1)}$$

Sequence: A169622
Score: 14.9622
Type of gen. func.: ogf

$$-\frac{4 x^2 + 4 x - 5}{(x - 1) (x^2 + x - 1)}$$

Sequence: A169622
Score: 8.3473
Type of gen. func.: ogf

$$(11 f(x) - 27) (f(x) x^3 - 2 f(x) x + 4 x^2 + f(x) + 4 x - 5)$$

Sequence: A169622
Score: 8.43612
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n), a(0) = 5, a(1) = 6, a(2) = 8\}$$

Sequence: A169630
Score: 7.32409
Type of gen. func.: ogf

$$\frac{x (x^4 - 2 x^3 + 4 x^2 - 2 x + 1)}{(x + 1)^2 (x^2 - 3 x + 1)^2}$$

Sequence: A169630
Score: 7.72953
Type of gen. func.: lgdogf

$$-\frac{2 (x^6 - 3 x^5 + 12 x^4 - 17 x^3 + 12 x^2 - 6 x - 1)}{(x + 1) (x^2 - 3 x + 1) (x^4 - 2 x^3 + 4 x^2 - 2 x + 1)}$$

Sequence: A169634
Score: 11.6949
Type of gen. func.: ogf

$$\{a(n + 1) - 7 a(n), a(0) = 3\}$$

Sequence: A169634
Score: 14.8325
Type of gen. func.: ogf

$$-7 f(x) x + f(x) - 3$$

Sequence: A169634
Score: 24.3253
Type of gen. func.: ogf

$$-\frac{3}{7 x - 1}$$

Sequence: A169634
Score: 24.8396
Type of gen. func.: revegf]

$$-1/7 \ln(3) + 1/7 \ln(3 + 7 x)$$

Sequence: A169634
Score: 54.1955
Type of gen. func.: lgdogf

$$-\frac{7}{7 x - 1}$$

Sequence: A169642
Score: 10.4866
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 + 18 x^4 + 26 x^3 + 68 x^2 + 21 x + 10)}{(x - 1) (x + 1) (x^4 + 12 x^3 + 12 x^2 + 20 x + 3)}$$

Sequence: A169642
Score: 6.03382
Type of gen. func.: ogf

$$\{(-2 n^2 - 13 n - 21) a(n + 1) + (2 n^2 + 5 n + 3) a(n + 3), a(0) = 0, a(1) = 3,$$
$$a(2) = 20\}$$

Sequence: A169642
Score: 9.18786
Type of gen. func.: ogf

$$-\frac{x\,(x^4 + 12\,x^3 + 12\,x^2 + 20\,x + 3)}{(x - 1)^3\,(x + 1)^3}$$

Sequence: A169650
Score: 10.6040
Type of gen. func.: lgdogf

$$-\frac{84\,x^4 - 132\,x^3 + 91\,x^2 - 38\,x + 7}{(x - 1)\,(3\,x - 1)\,(2\,x - 1)\,(14\,x^2 - 11\,x + 3)}$$

Sequence: A169650
Score: 11.6384
Type of gen. func.: ogf

$$-\frac{14\,x^2 - 11\,x + 3}{(x - 1)\,(3\,x - 1)\,(2\,x - 1)}$$

Sequence: A169650
Score: 6.25932
Type of gen. func.: ogf

$$-(2\,f(x) + 45)\,(6\,f(x)\,x^3 - 11\,f(x)\,x^2 + 6\,f(x)\,x + 14\,x^2 - f(x) - 11\,x + 3)$$

Sequence: A169650
Score: 6.53386
Type of gen. func.: ogf

$$\{a(n + 3) - 6\,a(n + 2) + 11\,a(n + 1) - 6\,a(n),\ a(0) = 3,\ a(1) = 7,\ a(2) = 23\}$$

Sequence: A169651
Score: 11.0640
Type of gen. func.: ogf

$$\frac{x^4 - 7 x^2 + 5 x - 1}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A169651
Score: 5.30465
Type of gen. func.: ogf

$\{a(n + 5) - 6 a(n + 4) + 11 a(n + 3) - 6 a(n + 2), a(0) = 1, a(1) = 1, a(2) = 2,$

$a(3) = 7, a(4) = 25\}$

Sequence: A169651
Score: 6.05061
Type of gen. func.: ogf

$-(218 f(x) + 615)$

$(6 f(x) x^3 - x^4 - 11 f(x) x^2 + 6 f(x) x + 7 x^2 - f(x) - 5 x + 1)$

Sequence: A169651
Score: 9.39518
Type of gen. func.: lgdogf

$$\frac{6 x^6 - 22 x^5 + 60 x^4 - 64 x^3 + 31 x^2 - 8 x + 1}{(x - 1) (3 x - 1) (2 x - 1) (x^4 - 7 x^2 + 5 x - 1)}$$

Sequence: A169670
Score: 7.35966
Type of gen. func.: lgdogf

$$\frac{3 (8 x^{15} - 11 x^{14} - 16 x^{13} + 22 x^{12} + 8 x^{11} - 11 x^{10} - 2 x^4 + 7 x^2 + 1)}{(x - 1) (x + 1) (2 x^{14} - 3 x^{13} - 2 x^{12} + 3 x^{11} - 6 x^3 + 3 x^2 - 3 x - 3)}$$

Sequence: A169670
Score: 7.55971
Type of gen. func.: ogf

$$\frac{2 x^{14} - 3 x^{13} - 2 x^{12} + 3 x^{11} - 6 x^{3} + 3 x^{2} - 3 x - 3}{(x - 1) (x + 1)}$$

Sequence: A169675
Score: 10.6041
Type of gen. func.: ogf

$$- \frac{x^{3} (x^{4} + x^{3} + x^{2} + 1)}{(x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1)}$$

Sequence: A169675
Score: 10.6499
Type of gen. func.: lgdogf

$$- \frac{x (4 x^{10} + 5 x^{9} + 6 x^{8} + 8 x^{6} + 4 x^{2} + 3 x + 2)}{(x - 1) (x + 1) (x^{2} + 1) (x^{4} + x^{3} + x^{2} + 1) (x^{4} + 1)}$$

Sequence: A169676
Score: 7.48131
Type of gen. func.: lgdogf

$$- x (6 x^{13} + 8 x^{12} + 5 x^{11} + 6 x^{10} + 14 x^{9} + 9 x^{7} + 12 x^{4} + 10 x^{3} + 4 x^{2} + 3 x + 4) / ((x - 1) (x^{2} + x + 1) (2 x^{2} + 1) (x^{6} + x^{3} + 1) (x^{4} + x^{3} + 1))$$

Sequence: A169676
Score: 9.53062
Type of gen. func.: ogf

$$- \frac{x^{2} (2 x^{2} + 1) (x^{4} + x^{3} + 1)}{(x - 1) (x^{2} + x + 1) (x^{6} + x^{3} + 1)}$$

Sequence: A169686
Score: 4.28915
Type of gen. func.: ogf

$$-(11969663 f(x) + 1575850) (f(x) x^4 - 204 f(x) x^3 + 1190 f(x) x^2 - 30 x^3 - 204 f(x) x + 270 x^2 + f(x) - 30 x)$$

Sequence: A169686
Score: 8.22087
Type of gen. func.: ogf

$$\frac{30 x (x^2 - 9 x + 1)}{(x^2 - 6 x + 1) (x^2 - 198 x + 1)}$$

Sequence: A169687
Score: 17.2848
Type of gen. func.: ogf

$$- \frac{3 (3 x - 2)}{(3 x - 1) (2 x - 1)}$$

Sequence: A169687
Score: 18.6496
Type of gen. func.: revogf

$$- \frac{-6 - 5 x + (x^2 + 24 x + 36)^{1/2}}{6 (3 + 2 x)}$$

Sequence: A169687
Score: 8.94043
Type of gen. func.: ogf

$$(11 f(x) + 81) (6 f(x) x^2 - 5 f(x) x + f(x) + 9 x - 6)$$

Sequence: A169687
Score: 9.37130

Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - 6 a(n), a(0) = 6, a(1) = 21\}$$

Sequence: A169711
Score: 11.3226
Type of gen. func.: ogf

$$\frac{19 x^{2} + 16 x + 1}{(x - 1)^{4}}$$

Sequence: A169711
Score: 3.92150
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (25 + 15 n) a(n + 3) + (-80 + 3 n) a(n + 2)$$
$$+ (-57 - 19 n) a(n + 1), a(0) = 1, a(1) = 20, a(2) = 93, a(3) = 256\}$$

Sequence: A169711
Score: 5.74219
Type of gen. func.: ogf

$$(17208 f(x) + 253145)$$
$$(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 4 f(x) x - 19 x^{2} + f(x) - 16 x - 1)$$

Sequence: A169712
Score: 3.92444
Type of gen. func.: ogf

$$\{(1673 n^{2} + 4748 n - 813) a(n + 1) + (-2878 n^{2} - 9312 n - 35882) a(n + 2)$$
$$+ (1205 n^{2} + 6436 n + 8463) a(n + 3), a(0) = 1, a(1) = 70, a(2) = 639\}$$

Sequence: A169712
Score: 8.70202
Type of gen. func.: ogf

$$-\frac{211 x^3 + 299 x^2 + 65 x + 1}{(x - 1)^5}$$

Sequence: A169713
Score: 6.23289
Type of gen. func.: ogf

$$\frac{3651 x^4 + 7346 x^3 + 3156 x^2 + 246 x + 1}{(x - 1)^6}$$

Sequence: A169720
Score: 12.3563
Type of gen. func.: ogf

$$\frac{x^2 - 3 x - 1}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A169720
Score: 6.49231
Type of gen. func.: ogf

$$(2982 f(x) - 2707) (8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x - x^2 - f(x) + 3 x + 1)$$

Sequence: A169720
Score: 6.66168
Type of gen. func.: ogf

{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 10, a(2) = 55}

Sequence: A169721
Score: 10.5303
Type of gen. func.: lgdogf

$$-\frac{4 (4 x^4 + 36 x^3 - 29 x^2 - 6 x + 4)}{\quad^2}$$

$$(x - 1) (2 x - 1) (4 x - 1) (2 x + 9 x + 1)$$

Sequence: A169721
Score: 11.5845
Type of gen. func.: ogf

$$-\frac{2 x^2 + 9 x + 1}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A169721
Score: 6.03563
Type of gen. func.: ogf

$$(7059 f(x) - 13357) (8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x + 2 x^2 - f(x) + 9 x + 1)$$

Sequence: A169721
Score: 6.19172
Type of gen. func.: ogf

{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 16, a(2) = 100}

Sequence: A169722
Score: 10.1160
Type of gen. func.: lgdogf

$$-\frac{40 x^4 + 240 x^3 - 221 x^2 - 18 x + 22}{(x - 1) (4 x - 1) (2 x - 1) (5 x^2 + 15 x + 1)}$$

Sequence: A169722
Score: 11.6024
Type of gen. func.: ogf

$$-\frac{5 x^2 + 15 x + 1}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A169722
Score: 5.75553
Type of gen. func.: ogf

$$(21132366 f(x) - 63299981)$$

$$(8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x + 5 x^2 - f(x) + 15 x + 1)$$

Sequence: A169722
Score: 6.30131
Type of gen. func.: ogf

$\{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 22, a(2) = 145\}$

Sequence: A169723
Score: 5.14891
Type of gen. func.: ogf

$$-(22648 f(x) + 69707)$$

$$(27 f(x) x^3 - 39 f(x) x^2 + 13 f(x) x + 60 x^2 - f(x) - 50 x + 6)$$

Sequence: A169723
Score: 5.58526
Type of gen. func.: ogf

$\{-a(n + 3) + 13 a(n + 2) - 39 a(n + 1) + 27 a(n), a(0) = 6, a(1) = 28,$

$a(2) = 190\}$

Sequence: A169723
Score: 8.86408
Type of gen. func.: lgdogf

$$- \frac{2 (405 x^4 - 675 x^3 + 414 x^2 - 87 x + 7)}{(x - 1) (3 x - 1) (9 x - 1) (30 x^2 - 25 x + 3)}$$

Sequence: A169723
Score: 9.98577
Type of gen. func.: ogf

$$-\frac{2\,(30\,x^{2} - 25\,x + 3)}{(x - 1)\,(3\,x - 1)\,(9\,x - 1)}$$

Sequence: A169724
Score: 10.3035
Type of gen. func.: ogf

$$-\frac{75\,x^{2} - 68\,x + 9}{(x - 1)\,(3\,x - 1)\,(9\,x - 1)}$$

Sequence: A169724
Score: 5.19108
Type of gen. func.: ogf

$-(275336\,f(x) + 1015867)$

$(27\,f(x)\,x^{3} - 39\,f(x)\,x^{2} + 13\,f(x)\,x + 75\,x^{2} - f(x) - 68\,x + 9)$

Sequence: A169724
Score: 5.76297
Type of gen. func.: ogf

$\{-a(n + 3) + 13\,a(n + 2) - 39\,a(n + 1) + 27\,a(n),\ a(0) = 9,\ a(1) = 49,$

$a(2) = 361\}$

Sequence: A169724
Score: 8.79010
Type of gen. func.: lgdogf

$$-\frac{2025\,x^{4} - 3672\,x^{3} + 2406\,x^{2} - 552\,x + 49}{(x - 1)\,(3\,x - 1)\,(9\,x - 1)\,(75\,x^{2} - 68\,x + 9)}$$

Sequence: A169725
Score: 10.3733
Type of gen. func.: ogf

$$-\frac{2\,(45\,x^2 - 43\,x + 6)}{(x - 1)\,(3\,x - 1)\,(9\,x - 1)}$$

Sequence: A169725
Score: 5.38767
Type of gen. func.: ogf

$$(2225816\,f(x) + 9715779)\,(27\,f(x)\,x^3 - 39\,f(x)\,x^2 + 13\,f(x)\,x + 90\,x^2 - f(x) - 86\,x + 12)$$

Sequence: A169725
Score: 5.84041
Type of gen. func.: ogf

{-a(n + 3) + 13 a(n + 2) - 39 a(n + 1) + 27 a(n), a(0) = 12, a(1) = 70,
a(2) = 532}

Sequence: A169725
Score: 8.98719
Type of gen. func.: lgdogf

$$-\frac{1215\,x^4 - 2322\,x^3 + 1578\,x^2 - 378\,x + 35}{(x - 1)\,(3\,x - 1)\,(9\,x - 1)\,(45\,x^2 - 43\,x + 6)}$$

Sequence: A169726
Score: 12.8755
Type of gen. func.: ogf

$$-\frac{2\,x^2 + 1}{(x - 1)\,(2\,x - 1)\,(4\,x - 1)}$$

Sequence: A169726
Score: 13.1054
Type of gen. func.: lgdogf

$$-\frac{16 x^4 + 10 x^2 - 24 x + 7}{(x - 1) (2 x - 1) (4 x - 1) (2 x^2 + 1)}$$

Sequence: A169726
Score: 6.55070
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 7, a(2) = 37\}$$

Sequence: A169726
Score: 6.60867
Type of gen. func.: ogf

$$(3135 f(x) - 841) (8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x + 2 x^2 - f(x) + 1)$$

Sequence: A169727
Score: 10.1160
Type of gen. func.: lgdogf

$$-\frac{64 x^4 + 192 x^3 - 200 x^2 - 12 x + 19}{(x - 1) (4 x - 1) (2 x - 1) (8 x^2 + 12 x + 1)}$$

Sequence: A169727
Score: 11.6024
Type of gen. func.: ogf

$$-\frac{8 x^2 + 12 x + 1}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A169727
Score: 5.99141
Type of gen. func.: ogf

$$(48387 f(x) - 122332)$$

$$(8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x + 8 x^2 - f(x) + 12 x + 1)$$

Sequence: A169727
Score: 6.30131
Type of gen. func.: ogf

$$\{a(n+3) - 7 a(n+2) + 14 a(n+1) - 8 a(n),\ a(0) = 1,\ a(1) = 19,\ a(2) = 127\}$$

Sequence: A169767
Score: 8.32634
Type of gen. func.: lgdogf

$$31 (-229028 + 5176501 x^4 + (26796162603001 x^8 - 754105379752 x^4 + 52453824784)^{1/2})/(3530184 x)$$

Sequence: A169792
Score: 51.1830
Type of gen. func.: lgdogf

$$\frac{5}{(2 x - 1) (x - 1)}$$

Sequence: A169792
Score: 6.40339
Type of gen. func.: ogf

$$\{(n+2) a(n+2) + (-8 - 3 n) a(n+1) + 2 n a(n),\ a(0) = 1,\ a(1) = 5\}$$

Sequence: A169792
Score: 7.23346
Type of gen. func.: ogf

$$\frac{(x - 1)^5}{(2 x - 1)^5}$$

Sequence: A169793

Score: 5.96696
Type of gen. func.: ogf

$$\frac{(x - 1)^6}{(2 x - 1)^6}$$

Sequence: A169793
Score: 50.4273
Type of gen. func.: lgdogf

$$\frac{6}{(2 x - 1) (x - 1)}$$

Sequence: A169793
Score: 6.30933
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) + (-9 - 3 n) a(n + 1) + 2 n a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A169794
Score: 48.9982
Type of gen. func.: lgdogf

$$\frac{7}{(2 x - 1) (x - 1)}$$

Sequence: A169794
Score: 5.02118
Type of gen. func.: ogf

$$\frac{(x - 1)^7}{(2 x - 1)^7}$$

Sequence: A169794
Score: 6.08257
Type of gen. func.: ogf

$\{(n + 2) a(n + 2) + (-10 - 3 n) a(n + 1) + 2 n a(n), a(0) = 1, a(1) = 7\}$

Sequence: A169795
Score: 4.45796
Type of gen. func.: ogf

$$\frac{(x - 1)^8}{(2 x - 1)^8}$$

Sequence: A169795
Score: 50.5362
Type of gen. func.: lgdogf

$$\frac{8}{(2 x - 1) (x - 1)}$$

Sequence: A169795
Score: 6.27014
Type of gen. func.: ogf

$\{(n + 2) a(n + 2) + (-11 - 3 n) a(n + 1) + 2 n a(n), a(0) = 1, a(1) = 8\}$

Sequence: A169796
Score: 3.80947
Type of gen. func.: ogf

$$\frac{(x - 1)^9}{(2 x - 1)^9}$$

Sequence: A169796
Score: 48.6543
Type of gen. func.: lgdogf

$$\frac{9}{(2 x - 1) (x - 1)}$$

Sequence: A169796
Score: 6.03941
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) + (-12 - 3 n) a(n + 1) + 2 n a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A169797
Score: 3.38785
Type of gen. func.: ogf

$$\frac{(x - 1)^{10}}{(2 x - 1)^{10}}$$

Sequence: A169797
Score: 47.0388
Type of gen. func.: lgdogf

$$\frac{10}{(2 x - 1) (x - 1)}$$

Sequence: A169797
Score: 6.17463
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) + (-13 - 3 n) a(n + 1) + 2 n a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A169801
Score: 16.6506
Type of gen. func.: lgdogf

$$- \frac{4 (x^3 + 12 x^2 + 18 x + 4)}{(x - 1) (x + 1) (x^2 + 8 x + 1)}$$

Sequence: A169801
Score: 6.72052
Type of gen. func.: ogf

$$-\frac{4 x^{2} (x + 1) (x^{2} + 8 x + 1)}{(x - 1)^{7}}$$

Sequence: A169801
Score: 6.77947
Type of gen. func.: ogf

$$\{(n^{2} + 6 n + 9) a(n + 1) - a(n + 2) n^{2}, a(0) = 0, a(1) = 0, a(2) = 4\}$$

Sequence: A169805
Score: 7.57561
Type of gen. func.: ogf

$$-\frac{2 x (8 x^{9} - x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 1)}{(x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A169823
Score: 100.023
Type of gen. func.: lgdogf

$$-\frac{2}{x - 1}$$

Sequence: A169823
Score: 13.5279
Type of gen. func.: ogf

$$-f(x) x^{2} + 2 f(x) x - f(x) + 60 x$$

Sequence: A169823
Score: 21.3598
Type of gen. func.: ogf

$$\frac{60 x}{\quad^{2}}$$

$$(x - 1)$$

Sequence: A169823
Score: 28.5781
Type of gen. func.: revogf

$$\frac{15 x}{(15 + (225 + 15 x)^{1/2})^{2}}$$

Sequence: A169823
Score: 62.0778
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A169823
Score: 9.89844
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 60\}$$

Sequence: A169825
Score: 100.266
Type of gen. func.: lgdogf

$$- \frac{2}{x - 1}$$

Sequence: A169825
Score: 13.3323
Type of gen. func.: ogf

$$-f(x) x^{2} + 2 f(x) x - f(x) + 420 x$$

Sequence: A169825
Score: 20.8531
Type of gen. func.: ogf

$$\frac{420 x}{(x - 1)^{2}}$$

Sequence: A169825
Score: 24.3070
Type of gen. func.: revogf

$$\frac{105 x}{(105 + (11025 + 105 x)^{1/2})^{2}}$$

Sequence: A169825
Score: 62.1435
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A169825
Score: 9.79846
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 420\}$$

Sequence: A169827
Score: 13.2128
Type of gen. func.: ogf

$$-f(x) x^{2} + 2 f(x) x - f(x) + 840 x$$

Sequence: A169827
Score: 20.6662
Type of gen. func.: ogf

$$\frac{840 x}{(x - 1)^{2}}$$

Sequence: A169827
Score: 24.0907
Type of gen. func.: revogf

```
           210 x
---------------------------
                      1/2 2
(210 + (44100 + 210 x)    )
```

Sequence: A169827
Score: 61.5592
Type of gen. func.: ogf_with_Euler_transform]

```
[2]
```

Sequence: A169827
Score: 9.71064
Type of gen. func.: ogf

```
{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 840}
```

Sequence: A169827
Score: 99.3741
Type of gen. func.: lgdogf

```
    2
- -----
  x - 1
```

Sequence: A169830
Score: 14.5418
Type of gen. func.: ogf

```
     62 x + 1
------------------
(10 x - 1) (x - 1)
```

Sequence: A169830
Score: 7.50544
Type of gen. func.: ogf

```
                            2
(783 f(x) + 4546) (10 f(x) x  - 11 f(x) x + f(x) - 62 x - 1)
```

Sequence: A169830
Score: 8.21182
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 73\}$$

Sequence: A169831
Score: 13.1812
Type of gen. func.: ogf

$$\frac{2 x^2 - 4 x - 1}{(2 x - 1) (x - 1)^2}$$

Sequence: A169831
Score: 15.4939
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^3 - 6 x^2 - 3 x + 4)}{(2 x - 1) (x - 1) (2 x^2 - 4 x - 1)}$$

Sequence: A169831
Score: 6.87223
Type of gen. func.: ogf

$$(2009 f(x) - 6954) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x - 2 x^2 - f(x) + 4 x + 1)$$

Sequence: A169831
Score: 7.11550
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 8, a(2) = 25\}$$

Sequence: A169832
Score: 10.6732
Type of gen. func.: ogf

$$-\frac{x\,(4\,x+1)\,(x-3)}{(2\,x-1)\,(x-1)^{3}}$$

Sequence: A169832
Score: 14.9907
Type of gen. func.: lgdogf

$$-\frac{2\,(8\,x^{3}-31\,x^{2}-5\,x+13)}{(x-1)\,(x-3)\,(2\,x-1)\,(4\,x+1)}$$

Sequence: A169832
Score: 5.40971
Type of gen. func.: ogf

(1209800 f(x) + 7954183)

$$(2\,f(x)\,x^{4}-7\,f(x)\,x^{3}+9\,f(x)\,x^{2}+4\,x^{3}-5\,f(x)\,x-11\,x^{2}+f(x)-3\,x)$$

Sequence: A169833
Score: 11.7078
Type of gen. func.: lgdogf

$$-\frac{2\,(8\,x^{4}-3\,x^{3}-46\,x^{2}+13\,x+8)}{(x-1)\,(2\,x-1)\,(4\,x^{3}-3\,x^{2}-10\,x-1)}$$

Sequence: A169833
Score: 8.80090
Type of gen. func.: ogf

$$\frac{2\,(4\,x^{3}-3\,x^{2}-10\,x-1)}{(2\,x-1)\,(x-1)^{4}}$$

Sequence: A169860
Score: 9.41614

Type of gen. func.: ogf

$$\frac{x\,(26\,x^4 + 25\,x^3 + 26\,x^2 + 25\,x + 25)}{(x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A169919
Score: 12.9822
Type of gen. func.: ogf

$$-\frac{2\,x\,(90\,x^{10} - 100\,x^9 - 1)}{(x - 1)^2}$$

Sequence: A169919
Score: 14.3923
Type of gen. func.: lgdogf

$$\frac{2\,(360\,x^{10} - 800\,x^9 + 450\,x^8 + 1)}{(x - 1)\,(90\,x^{10} - 100\,x^9 - 1)}$$

Sequence: A169920
Score: 6.03214
Type of gen. func.: ogf_with_Euler_transform]

[4 - x]

Sequence: A169932
Score: 10.3814
Type of gen. func.: lgdogf

$$-\frac{11\,x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}{(x^4 - x^3 + x^2 - x + 1)\,(x^4 + x^3 + x^2 + x + 1)\,(x - 1)\,(x + 1)}$$

Sequence: A169932
Score: 18.3273

Type of gen. func.: ogf

$$\frac{10 x^{10}}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A169933
Score: 7.52079
Type of gen. func.: ogf

$$\frac{2 x (x^9 + x^8 + x^7 + x^6 + x^5 - 4 x^4 + x^3 + x^2 + x + 1)}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A169936
Score: 4.18841
Type of gen. func.: ogf

$$- (7 x^{23} + 2 x^{22} - 9 x^{15} + 2 x^{14} + 16 x^{12} + 2 x^{11} + 6 x^{10} + x^9 + 66 x^8 - x^7 - 5 x^6 - x^5 - 17 x^4 - 3 x^3 - 7 x^2 - 2 x - 67) / ((x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2)$$

Sequence: A169937
Score: 5.91717
Type of gen. func.: ogf

$$\{(n^2 + 29 n + 210) a(n + 1) + (-n^2 - 5 n - 6) a(n + 2), a(0) = 1, a(1) = 91\}$$

Sequence: A169938
Score: 37.5416
Type of gen. func.: ogf_with_Euler_transform]

$$[7 - 2 x]$$

Sequence: A169938

Score: 39.3590
Type of gen. func.: lgdogf

$$-\frac{7 + 3 x}{(x - 1) (x + 1)}$$

Sequence: A169938
Score: 6.01820
Type of gen. func.: ogf

{(n + 1) a(n + 3) - 7 a(n + 2) + (-2 - n) a(n + 1), a(0) = 0, a(1) = 0,

a(2) = 6}

Sequence: A169938
Score: 9.02730
Type of gen. func.: ogf

$$-\frac{6 x^2 (x + 1)^2}{(x - 1)^5}$$

Sequence: A169963
Score: 14.5418
Type of gen. func.: ogf

$$-\frac{14 x - 5}{(10 x - 1) (2 x - 1)}$$

Sequence: A169963
Score: 14.5962
Type of gen. func.: lgdogf

$$-\frac{2 (140 x^2 - 100 x + 23)}{(2 x - 1) (14 x - 5) (10 x - 1)}$$

Sequence: A169963
Score: 14.9135
Type of gen. func.: revogf

$$-\frac{-5 - 12 x + (64 x^2 + 64 x + 25)^{1/2}}{4 (7 + 10 x)}$$

Sequence: A169963
Score: 7.42559
Type of gen. func.: ogf

$$-(88 f(x) + 89) (20 f(x) x^2 - 12 f(x) x + f(x) + 14 x - 5)$$

Sequence: A169963
Score: 8.21182
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 20 a(n), a(0) = 5, a(1) = 46\}$$

Sequence: A169969
Score: 10.9058
Type of gen. func.: ogf

$$-\frac{4 x^4 + 4 x^3 + 4 x^2 + 3 x + 1}{(x^2 + 1) (2 x^2 - 1)}$$

Sequence: A169969
Score: 7.04534
Type of gen. func.: ogf

$$-(2 f(x) + 1) (2 f(x) x^4 + 4 x^4 + f(x) x^2 + 4 x^3 + 4 x^2 - f(x) + 3 x + 1)$$

Sequence: A169975
Score: 18.6874
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^4 - x + 1}{x^8 - 1}$$

Sequence: A169985
Score: 11.1971
Type of gen. func.: ogf

$$f(x) x^{2} - x^{3} + f(x) x - f(x) + x + 1$$

Sequence: A169985
Score: 14.9999
Type of gen. func.: ogf

$$\frac{x^{3} - x - 1}{x^{2} + x - 1}$$

Sequence: A169985
Score: 18.1474
Type of gen. func.: lgdogf

$$\frac{x^{4} + 2 x^{3} - 2 x^{2} + 2 x + 2}{(x^{2} + x - 1) (x^{3} - x - 1)}$$

Sequence: A169985
Score: 6.97362
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3) - a(n + 2), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 4\}$$

Sequence: A169986
Score: 5.84205
Type of gen. func.: ogf

$$f(x) x^{4} + f(x) x^{3} + x^{4} - 2 f(x) x^{2} + x^{3} - f(x) x + x^{2} + f(x) - x - 1$$

Sequence: A169986
Score: 8.45380

Type of gen. func.: ogf

$$-\frac{x^4 + x^3 + x^2 - x - 1}{(x - 1)(x + 1)(x^2 + x - 1)}$$

Sequence: A169986
Score: 9.77958
Type of gen. func.: lgdogf

$$-\frac{6 x^5 + 3 x^4 - 8 x^3 - 3 x^2 + 2 x + 2}{(x - 1)(x + 1)(x^2 + x - 1)(x^4 + x^3 + x^2 - x - 1)}$$

Sequence: A169998
Score: 10.2253
Type of gen. func.: ogf

$$\{a(n + 2) + a(n + 1) + 2 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A169998
Score: 18.6327
Type of gen. func.: ogf

$$\frac{2 x + 1}{2 x^2 + x + 1}$$

Sequence: A169998
Score: 21.5133
Type of gen. func.: revogf

$$-\frac{-1 + x + (-(1 + 7 x)(x - 1))^{1/2}}{4 (x - 1)}$$

Sequence: A169998
Score: 25.8160
Type of gen. func.: lgdogf

$$-\frac{4x^2+4x-1}{(2x+1)(2x^2+x+1)}$$

Sequence: A169998
Score: 9.86438
Type of gen. func.: ogf

$$(7f(x)-6)(2f(x)x^2+f(x)x+f(x)-2x-1)$$

Sequence: A170000
Score: 11.3032
Type of gen. func.: ogf

$$-38f(x)x+f(x)-x-1$$

Sequence: A170000
Score: 13.6828
Type of gen. func.: ogf

$$-\frac{x+1}{38x-1}$$

Sequence: A170000
Score: 13.7598
Type of gen. func.: revogf

$$-1/2-19x+\frac{(1444x^2+80x+1)^{1/2}}{2}$$

Sequence: A170000
Score: 28.2841
Type of gen. func.: lgdogf

$$-\frac{39}{(x+1)(38x-1)}$$

Sequence: A170000
Score: 7.02630
Type of gen. func.: ogf

$$\{a(n + 2) - 38 a(n + 1), a(0) = 1, a(1) = 39\}$$

Sequence: A170001
Score: 11.362
Type of gen. func.: ogf

$$-39 f(x) x + f(x) - x - 1$$

Sequence: A170001
Score: 13.1236
Type of gen. func.: revogf

$$-\frac{39 x}{2} - 1/2 + \frac{(1521 x^2 + 82 x + 1)^{1/2}}{2}$$

Sequence: A170001
Score: 13.7541
Type of gen. func.: ogf

$$-\frac{x + 1}{39 x - 1}$$

Sequence: A170001
Score: 28.4345
Type of gen. func.: lgdogf

$$-\frac{40}{(x + 1) (39 x - 1)}$$

Sequence: A170001
Score: 7.06289
Type of gen. func.: ogf

$$\{a(n + 2) - 39 a(n + 1), a(0) = 1, a(1) = 40\}$$

Sequence: A170002
Score: 11.4798
Type of gen. func.: ogf

$$-40 f(x) x + f(x) - x - 1$$

Sequence: A170002
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{40 x - 1}$$

Sequence: A170002
Score: 13.9794
Type of gen. func.: revogf

$$-20 x - 1/2 + \frac{(1600 x^{2} + 84 x + 1)^{1/2}}{2}$$

Sequence: A170002
Score: 28.7354
Type of gen. func.: lgdogf

$$-\frac{41}{(x + 1) (40 x - 1)}$$

Sequence: A170002
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 40 a(n + 1), a(0) = 1, a(1) = 41\}$$

Sequence: A170003
Score: 11.4798
Type of gen. func.: ogf

$$-41 f(x) x + f(x) - x - 1$$

Sequence: A170003
Score: 13.2625
Type of gen. func.: revogf

$$- 1/2 - \frac{41 x}{2} + \frac{(1681 x^2 + 86 x + 1)^{1/2}}{2}$$

Sequence: A170003
Score: 13.8966
Type of gen. func.: ogf

$$- \frac{x + 1}{41 x - 1}$$

Sequence: A170003
Score: 28.7354
Type of gen. func.: lgdogf

$$- \frac{42}{(x + 1) (41 x - 1)}$$

Sequence: A170003
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 41 a(n + 1), a(0) = 1, a(1) = 42\}$$

Sequence: A170004
Score: 11.5386
Type of gen. func.: ogf

$$-42 f(x) x + f(x) - x - 1$$

Sequence: A170004
Score: 13.9678

Type of gen. func.: ogf

$$-\frac{x+1}{42x-1}$$

Sequence: A170004
Score: 14.0526
Type of gen. func.: revogf

$$-1/2 - 21x + \frac{(1764x^2 + 88x + 1)^{1/2}}{2}$$

Sequence: A170004
Score: 28.8859
Type of gen. func.: lgdogf

$$-\frac{43}{(x+1)(42x-1)}$$

Sequence: A170004
Score: 7.17268
Type of gen. func.: ogf

$$\{a(n+2) - 42a(n+1), a(0) = 1, a(1) = 43\}$$

Sequence: A170005
Score: 11.5975
Type of gen. func.: ogf

$$-43f(x)x + f(x) - x - 1$$

Sequence: A170005
Score: 13.4014
Type of gen. func.: revogf

$$-1/2 - \frac{43x}{2} + \frac{(1849x^2 + 90x + 1)^{1/2}}{2}$$

Sequence: A170005
Score: 14.0391
Type of gen. func.: ogf

$$-\frac{x + 1}{43 x - 1}$$

Sequence: A170005
Score: 29.0363
Type of gen. func.: lgdogf

$$-\frac{44}{(x + 1) (43 x - 1)}$$

Sequence: A170005
Score: 7.20927
Type of gen. func.: ogf

$$\{a(n + 2) - 43 a(n + 1), a(0) = 1, a(1) = 44\}$$

Sequence: A170006
Score: 11.7153
Type of gen. func.: ogf

$$-44 f(x) x + f(x) - x - 1$$

Sequence: A170006
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{44 x - 1}$$

Sequence: A170006
Score: 14.2722
Type of gen. func.: revogf

$$(1936 x^2 + 92 x + 1)^{1/2}$$

```
- 1/2 - 22 x + -----------------------
                           2
```

Sequence: A170006
Score: 29.3372
Type of gen. func.: lgdogf

```
          45
- ------------------
  (x + 1) (44 x - 1)
```

Sequence: A170006
Score: 7.28246
Type of gen. func.: ogf

```
{a(n + 2) - 44 a(n + 1), a(0) = 1, a(1) = 45}
```

Sequence: A170007
Score: 11.7153
Type of gen. func.: ogf

```
-45 f(x) x + f(x) - x - 1
```

Sequence: A170007
Score: 13.5403
Type of gen. func.: revogf

```
                      2            1/2
        45 x   (2025 x  + 94 x + 1)
- 1/2 - ---- + -----------------------
         2                 2
```

Sequence: A170007
Score: 14.1816
Type of gen. func.: ogf

```
   x + 1
- --------
  45 x - 1
```

Sequence: A170007
Score: 29.3372

Type of gen. func.: lgdogf

$$-\frac{46}{(x + 1) (45 x - 1)}$$

Sequence: A170007
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 45 a(n + 1), a(0) = 1, a(1) = 46\}$$

Sequence: A170008
Score: 11.7153
Type of gen. func.: ogf

$$-46 f(x) x + f(x) - x - 1$$

Sequence: A170008
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{46 x - 1}$$

Sequence: A170008
Score: 14.2722
Type of gen. func.: revogf

$$- 1/2 - 23 x + \frac{(2116 x^2 + 96 x + 1)^{1/2}}{2}$$

Sequence: A170008
Score: 29.3372
Type of gen. func.: lgdogf

$$-\frac{47}{(x + 1) (46 x - 1)}$$

Sequence: A170008
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 46 a(n + 1), a(0) = 1, a(1) = 47\}$$

Sequence: A170009
Score: 11.9507
Type of gen. func.: ogf

$$-47 f(x) x + f(x) - x - 1$$

Sequence: A170009
Score: 13.8180
Type of gen. func.: revogf

$$-\frac{47 x}{2} - 1/2 + \frac{(2209 x^2 + 98 x + 1)^{1/2}}{2}$$

Sequence: A170009
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{47 x - 1}$$

Sequence: A170009
Score: 29.9390
Type of gen. func.: lgdogf

$$-\frac{48}{(x + 1) (47 x - 1)}$$

Sequence: A170009
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 47 a(n + 1), a(0) = 1, a(1) = 48\}$$

Sequence: A170010
Score: 11.9507
Type of gen. func.: ogf

$$-48 f(x) x + f(x) - x - 1$$

Sequence: A170010
Score: 13.8180
Type of gen. func.: revogf

$$- 1/2 - 24 x + \frac{((1 + 36 x) (64 x + 1))^{1/2}}{2}$$

Sequence: A170010
Score: 14.4667
Type of gen. func.: ogf

$$- \frac{x + 1}{48 x - 1}$$

Sequence: A170010
Score: 29.9390
Type of gen. func.: lgdogf

$$- \frac{49}{(x + 1) (48 x - 1)}$$

Sequence: A170010
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 48 a(n + 1), a(0) = 1, a(1) = 49\}$$

Sequence: A170011
Score: 11.9507
Type of gen. func.: ogf

$$-49 f(x) x + f(x) - x - 1$$

Sequence: A170011
Score: 13.4725
Type of gen. func.: revogf

$$- 1/2 - \frac{49 x}{2} + \frac{(2401 x^2 + 102 x + 1)^{1/2}}{2}$$

Sequence: A170011
Score: 14.4667
Type of gen. func.: ogf

$$- \frac{x + 1}{49 x - 1}$$

Sequence: A170011
Score: 29.9390
Type of gen. func.: lgdogf

$$- \frac{50}{(x + 1) (49 x - 1)}$$

Sequence: A170011
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 49 a(n + 1), a(0) = 1, a(1) = 50\}$$

Sequence: A170012
Score: 15.8654
Type of gen. func.: ogf

$$-2 f(x) x + f(x) - x - 1$$

Sequence: A170012
Score: 19.2957
Type of gen. func.: ogf

$$-\frac{x + 1}{2 x - 1}$$

Sequence: A170012
Score: 23.3360
Type of gen. func.: revogf

$$-x - 1/2 + \frac{(4 x^2 + 8 x + 1)^{1/2}}{2}$$

Sequence: A170012
Score: 43.7550
Type of gen. func.: lgdogf

$$-\frac{3}{(2 x - 1) (x + 1)}$$

Sequence: A170012
Score: 9.91586
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 3\}$$

Sequence: A170013
Score: 14.5528
Type of gen. func.: ogf

$$-3 f(x) x + f(x) - x - 1$$

Sequence: A170013
Score: 17.6994
Type of gen. func.: ogf

$$-\frac{x + 1}{3 x - 1}$$

Sequence: A170013
Score: 17.8290
Type of gen. func.: revogf

$$-\frac{3x}{2} - 1/2 + \frac{((x+1)(1+9x))^{1/2}}{2}$$

Sequence: A170013
Score: 37.7556
Type of gen. func.: lgdogf

$$-\frac{4}{(3x-1)(x+1)}$$

Sequence: A170013
Score: 9.09553
Type of gen. func.: ogf

$$\{a(n+2) - 3\,a(n+1),\ a(0) = 1,\ a(1) = 4\}$$

Sequence: A170014
Score: 14.619
Type of gen. func.: ogf

$$-4\,f(x)\,x + f(x) - x - 1$$

Sequence: A170014
Score: 17.7799
Type of gen. func.: ogf

$$-\frac{x+1}{4x-1}$$

Sequence: A170014
Score: 18.9748
Type of gen. func.: revogf

$$-2x - 1/2 + \frac{(16x^2 + 12x + 1)^{1/2}}{}$$

2

Sequence: A170014
Score: 40.3215
Type of gen. func.: lgdogf

$$-\frac{5}{(x + 1) (4 x - 1)}$$

Sequence: A170014
Score: 9.13689
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 5\}$$

Sequence: A170015
Score: 13.6693
Type of gen. func.: ogf

$$-5 f(x) x + f(x) - x - 1$$

Sequence: A170015
Score: 16.6248
Type of gen. func.: ogf

$$-\frac{x + 1}{5 x - 1}$$

Sequence: A170015
Score: 16.7431
Type of gen. func.: revogf

$$-1/2 - \frac{5 x}{2} + \frac{(25 x^2 + 14 x + 1)^{1/2}}{2}$$

Sequence: A170015
Score: 37.6720
Type of gen. func.: lgdogf

$$-\frac{6}{(x+1)(5x-1)}$$

Sequence: A170015
Score: 8.54329
Type of gen. func.: ogf

$$\{a(n+2) - 5 a(n+1), a(0) = 1, a(1) = 6\}$$

Sequence: A170016
Score: 13.4636
Type of gen. func.: ogf

$$-6 f(x) x + f(x) - x - 1$$

Sequence: A170016
Score: 16.3746
Type of gen. func.: ogf

$$-\frac{x+1}{-1+6x}$$

Sequence: A170016
Score: 17.4612
Type of gen. func.: revogf

$$-3x - 1/2 + \frac{(36x^2 + 16x + 1)^{1/2}}{2}$$

Sequence: A170016
Score: 37.1051
Type of gen. func.: lgdogf

$$-\frac{7}{(x+1)(-1+6x)}$$

Sequence: A170016
Score: 8.41471
Type of gen. func.: ogf

$$\{a(n+2) - 6\,a(n+1),\ a(0) = 1,\ a(1) = 7\}$$

Sequence: A170017
Score: 12.9815
Type of gen. func.: ogf

$$-7\,f(x)\,x + f(x) - x - 1$$

Sequence: A170017
Score: 15.7883
Type of gen. func.: ogf

$$-\frac{x+1}{7x-1}$$

Sequence: A170017
Score: 15.8940
Type of gen. func.: revogf

$$-1/2 - \frac{7x}{2} + \frac{(49x^2 + 18x + 1)^{1/2}}{2}$$

Sequence: A170017
Score: 35.7615
Type of gen. func.: lgdogf

$$-\frac{8}{(x+1)(7x-1)}$$

Sequence: A170017
Score: 8.11343
Type of gen. func.: ogf

$$\{a(n+2) - 7\,a(n+1),\ a(0) = 1,\ a(1) = 8\}$$

Sequence: A170018
Score: 13.6472
Type of gen. func.: ogf

$$-8 f(x) x + f(x) - x - 1$$

Sequence: A170018
Score: 16.2741
Type of gen. func.: revogf

$$-4 x - 1/2 + \frac{((4 x + 1) (1 + 16 x))^{1/2}}{2}$$

Sequence: A170018
Score: 16.5980
Type of gen. func.: ogf

$$- \frac{x + 1}{8 x - 1}$$

Sequence: A170018
Score: 37.6339
Type of gen. func.: lgdogf

$$- \frac{9}{(x + 1) (8 x - 1)}$$

Sequence: A170018
Score: 8.52951
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 9\}$$

Sequence: A170019
Score: 12.7592
Type of gen. func.: ogf

$$-9 f(x) x + f(x) - x - 1$$

Sequence: A170019
Score: 15.5180
Type of gen. func.: ogf

$$-\frac{x+1}{9x-1}$$

Sequence: A170019
Score: 15.6219
Type of gen. func.: revogf

$$-1/2-\frac{9x}{2}+\frac{(81x^2+22x+1)^{1/2}}{2}$$

Sequence: A170019
Score: 33.0816
Type of gen. func.: lgdogf

$$-\frac{10}{(x+1)(9x-1)}$$

Sequence: A170019
Score: 7.86529
Type of gen. func.: ogf

$$\{a(n+2)-9a(n+1), a(0)=1, a(1)=10\}$$

Sequence: A170020
Score: 12.0642
Type of gen. func.: ogf

$$-10 f(x) x + f(x) - x - 1$$

Sequence: A170020
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x+1}{10x-1}$$

Sequence: A170020
Score: 15.5254
Type of gen. func.: revogf

$$-5x-1/2+\frac{(100x^2+24x+1)^{1/2}}{2}$$

Sequence: A170020
Score: 30.1883
Type of gen. func.: lgdogf

$$-\frac{11}{(x+1)(10x-1)}$$

Sequence: A170020
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n+2)-10a(n+1), a(0)=1, a(1)=11\}$$

Sequence: A170021
Score: 12.0642
Type of gen. func.: ogf

$$-11f(x)x+f(x)-x-1$$

Sequence: A170021
Score: 14.2997
Type of gen. func.: revogf

$$-1/2-\frac{11x}{2}+\frac{(121x^2+26x+1)^{1/2}}{2}$$

Sequence: A170021
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x + 1}{11 x - 1}$$

Sequence: A170021
Score: 30.1883
Type of gen. func.: lgdogf

$$-\frac{12}{(x + 1) (11 x - 1)}$$

Sequence: A170021
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1), a(0) = 1, a(1) = 12\}$$

Sequence: A170022
Score: 10.9017
Type of gen. func.: ogf

$$-12 f(x) x + f(x) - x - 1$$

Sequence: A170022
Score: 13.1968
Type of gen. func.: ogf

$$-\frac{x + 1}{12 x - 1}$$

Sequence: A170022
Score: 14.0042
Type of gen. func.: revogf

$$-1/2 - 6 x + \frac{(144 x^{2} + 28 x + 1)^{1/2}}{2}$$

Sequence: A170022
Score: 27.2303
Type of gen. func.: lgdogf

$$-\frac{13}{(x + 1) (12 x - 1)}$$

Sequence: A170022
Score: 6.77673
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1), a(0) = 1, a(1) = 13\}$$

Sequence: A170023
Score: 11.1481
Type of gen. func.: ogf

$$-13 f(x) x + f(x) - x - 1$$

Sequence: A170023
Score: 13.1968
Type of gen. func.: revogf

$$- 1/2 - \frac{13 x}{2} + \frac{(169 x^2 + 30 x + 1)^{1/2}}{2}$$

Sequence: A170023
Score: 13.4950
Type of gen. func.: ogf

$$-\frac{x + 1}{13 x - 1}$$

Sequence: A170023
Score: 27.8599
Type of gen. func.: lgdogf

$$-\frac{14}{(x+1)(13x-1)}$$

Sequence: A170023
Score: 6.92988
Type of gen. func.: ogf

$$\{a(n+2) - 13\,a(n+1),\ a(0) = 1,\ a(1) = 14\}$$

Sequence: A170024
Score: 11.456
Type of gen. func.: ogf

$$-14\,f(x)\,x + f(x) - x - 1$$

Sequence: A170024
Score: 13.8678
Type of gen. func.: ogf

$$-\frac{x+1}{14x-1}$$

Sequence: A170024
Score: 14.7327
Type of gen. func.: revogf

$$-1/2 - 7x + \frac{(196x^2 + 32x + 1)^{1/2}}{2}$$

Sequence: A170024
Score: 28.6469
Type of gen. func.: lgdogf

$$-\frac{15}{(x+1)(14x-1)}$$

Sequence: A170024
Score: 7.12131
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1), a(0) = 1, a(1) = 15\}$$

Sequence: A170025
Score: 11.6408
Type of gen. func.: ogf

$$-15 f(x) x + f(x) - x - 1$$

Sequence: A170025
Score: 13.1036
Type of gen. func.: revogf

$$- 1/2 - \frac{15 x}{2} + \frac{((1 + 9 x) (1 + 25 x))^{1/2}}{2}$$

Sequence: A170025
Score: 14.0915
Type of gen. func.: ogf

$$- \frac{x + 1}{15 x - 1}$$

Sequence: A170025
Score: 29.1191
Type of gen. func.: lgdogf

$$- \frac{16}{(x + 1) (15 x - 1)}$$

Sequence: A170025
Score: 7.23618
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1), a(0) = 1, a(1) = 16\}$$

Sequence: A170026
Score: 11.9488
Type of gen. func.: ogf

$$-16 f(x) x + f(x) - x - 1$$

Sequence: A170026
Score: 14.4643
Type of gen. func.: ogf

$$-\frac{x + 1}{16 x - 1}$$

Sequence: A170026
Score: 15.3803
Type of gen. func.: revogf

$$- 1/2 - 8 x + \frac{(256 x^2 + 36 x + 1)^{1/2}}{2}$$

Sequence: A170026
Score: 29.9061
Type of gen. func.: lgdogf

$$-\frac{17}{(x + 1) (16 x - 1)}$$

Sequence: A170026
Score: 7.42761
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 17\}$$

Sequence: A170027
Score: 12.1335
Type of gen. func.: ogf

$$-17 f(x) x + f(x) - x - 1$$

Sequence: A170027
Score: 14.3897
Type of gen. func.: revogf

$$- 1/2 - \frac{17 x}{2} + \frac{(289 x^2 + 38 x + 1)^{1/2}}{2}$$

Sequence: A170027
Score: 14.6879
Type of gen. func.: ogf

$$- \frac{x + 1}{17 x - 1}$$

Sequence: A170027
Score: 30.3783
Type of gen. func.: lgdogf

$$- \frac{18}{(x + 1) (17 x - 1)}$$

Sequence: A170027
Score: 7.54246
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1), a(0) = 1, a(1) = 18\}$$

Sequence: A170028
Score: 10.789
Type of gen. func.: ogf

$$-18 f(x) x + f(x) - x - 1$$

Sequence: A170028
Score: 13.0604
Type of gen. func.: ogf

$$-\frac{x+1}{18x-1}$$

Sequence: A170028
Score: 13.8630
Type of gen. func.: revogf

$$-1/2 - 9x + \frac{(324x^2 + 40x + 1)^{1/2}}{2}$$

Sequence: A170028
Score: 26.9557
Type of gen. func.: lgdogf

$$-\frac{19}{(x+1)(18x-1)}$$

Sequence: A170028
Score: 6.70668
Type of gen. func.: ogf

$$\{a(n+2) - 18\,a(n+1),\ a(0) = 1,\ a(1) = 19\}$$

Sequence: A170029
Score: 10.9095
Type of gen. func.: ogf

$$-19\,f(x)\,x + f(x) - x - 1$$

Sequence: A170029
Score: 12.9144
Type of gen. func.: revogf

$$-1/2 - \frac{19x}{2} + \frac{(361x^2 + 42x + 1)^{1/2}}{2}$$

Sequence: A170029
Score: 13.2063
Type of gen. func.: ogf

$$-\frac{x + 1}{19 x - 1}$$

Sequence: A170029
Score: 27.2638
Type of gen. func.: lgdogf

$$-\frac{20}{(x + 1) (19 x - 1)}$$

Sequence: A170029
Score: 6.78161
Type of gen. func.: ogf

$$\{a(n + 2) - 19 a(n + 1), a(0) = 1, a(1) = 20\}$$

Sequence: A170030
Score: 11.0904
Type of gen. func.: ogf

$$-20 f(x) x + f(x) - x - 1$$

Sequence: A170030
Score: 13.4252
Type of gen. func.: ogf

$$-\frac{x + 1}{20 x - 1}$$

Sequence: A170030
Score: 13.8630
Type of gen. func.: revogf

$$- 1/2 - 10 x + \frac{(400 x^2 + 44 x + 1)^{1/2}}{2}$$

Sequence: A170030
Score: 26.2666
Type of gen. func.: lgdogf

$$-\frac{21}{(x+1)(20x-1)}$$

Sequence: A170030
Score: 6.89401
Type of gen. func.: ogf

$$\{a(n+2) - 20\, a(n+1), a(0) = 1, a(1) = 21\}$$

Sequence: A170031
Score: 11.1506
Type of gen. func.: ogf

$$-21 f(x) x + f(x) - x - 1$$

Sequence: A170031
Score: 13.2063
Type of gen. func.: revogf

$$-1/2 - \frac{21 x}{2} + \frac{(441 x^2 + 46 x + 1)^{1/2}}{2}$$

Sequence: A170031
Score: 13.4981
Type of gen. func.: ogf

$$-\frac{x+1}{21 x - 1}$$

Sequence: A170031
Score: 27.8799
Type of gen. func.: lgdogf

$$-\frac{22}{(x+1)(21x-1)}$$

Sequence: A170031
Score: 6.93147
Type of gen. func.: ogf

$$\{a(n+2) - 21\,a(n+1),\ a(0) = 1,\ a(1) = 22\}$$

Sequence: A170032
Score: 11.452
Type of gen. func.: ogf

$$-22\,f(x)\,x + f(x) - x - 1$$

Sequence: A170032
Score: 13.8629
Type of gen. func.: ogf

$$-\frac{x+1}{22x-1}$$

Sequence: A170032
Score: 14.3250
Type of gen. func.: revogf

$$-1/2 - 11x + \frac{(484x^2 + 48x + 1)^{1/2}}{2}$$

Sequence: A170032
Score: 28.6501
Type of gen. func.: lgdogf

$$-\frac{23}{(x+1)(22x-1)}$$

Sequence: A170032

Score: 7.11881
Type of gen. func.: ogf

$$\{a(n+2) - 22\, a(n+1),\ a(0) = 1,\ a(1) = 23\}$$

Sequence: A170033
Score: 11.5123
Type of gen. func.: ogf

$$-23 f(x) x + f(x) - x - 1$$

Sequence: A170033
Score: 13.6441
Type of gen. func.: revogf

$$-\frac{23 x}{2} - 1/2 + \frac{(529 x^2 + 50 x + 1)^{1/2}}{2}$$

Sequence: A170033
Score: 13.9359
Type of gen. func.: ogf

$$-\frac{x + 1}{23 x - 1}$$

Sequence: A170033
Score: 28.8041
Type of gen. func.: lgdogf

$$-\frac{24}{(x + 1) (23 x - 1)}$$

Sequence: A170033
Score: 7.15628
Type of gen. func.: ogf

$$\{a(n+2) - 23\, a(n+1),\ a(0) = 1,\ a(1) = 24\}$$

Sequence: A170034
Score: 11.6328
Type of gen. func.: ogf

$$-24 f(x) x + f(x) - x - 1$$

Sequence: A170034
Score: 13.4364
Type of gen. func.: revogf

$$-12 x - 1/2 + \frac{((1 + 16 x) (1 + 36 x))^{1/2}}{2}$$

Sequence: A170034
Score: 14.0818
Type of gen. func.: ogf

$$- \frac{x + 1}{24 x - 1}$$

Sequence: A170034
Score: 29.1122
Type of gen. func.: lgdogf

$$- \frac{25}{(x + 1) (24 x - 1)}$$

Sequence: A170034
Score: 7.23122
Type of gen. func.: ogf

$$\{a(n + 2) - 24 a(n + 1), a(0) = 1, a(1) = 25\}$$

Sequence: A170035
Score: 11.7534
Type of gen. func.: ogf

$$-25 f(x) x + f(x) - x - 1$$

Sequence: A170035
Score: 13.9359
Type of gen. func.: revogf

$$- 1/2 - \frac{25 x}{2} + \frac{(625 x^2 + 54 x + 1)^{1/2}}{2}$$

Sequence: A170035
Score: 14.2278
Type of gen. func.: ogf

$$- \frac{x + 1}{25 x - 1}$$

Sequence: A170035
Score: 29.4203
Type of gen. func.: lgdogf

$$- \frac{26}{(x + 1) (25 x - 1)}$$

Sequence: A170035
Score: 7.30615
Type of gen. func.: ogf

$$\{a(n + 2) - 25 a(n + 1), a(0) = 1, a(1) = 26\}$$

Sequence: A170036
Score: 11.8739
Type of gen. func.: ogf

$$-26 f(x) x + f(x) - x - 1$$

Sequence: A170036
Score: 14.3737
Type of gen. func.: ogf

$$x + 1$$

$$-\frac{}{26 x - 1}$$

Sequence: A170036
Score: 14.8642
Type of gen. func.: revogf

$$-13 x - 1/2 + \frac{(676 x^2 + 56 x + 1)^{1/2}}{2}$$

Sequence: A170036
Score: 29.7283
Type of gen. func.: lgdogf

$$-\frac{27}{(x + 1) (26 x - 1)}$$

Sequence: A170036
Score: 7.38108
Type of gen. func.: ogf

$$\{a(n + 2) - 26 a(n + 1), a(0) = 1, a(1) = 27\}$$

Sequence: A170037
Score: 12.0547
Type of gen. func.: ogf

$$-27 f(x) x + f(x) - x - 1$$

Sequence: A170037
Score: 14.3007
Type of gen. func.: revogf

$$-\frac{27 x}{2} - 1/2 + \frac{(729 x^2 + 58 x + 1)^{1/2}}{2}$$

Sequence: A170037

Score: 14.5926
Type of gen. func.: ogf

$$-\frac{x+1}{27x-1}$$

Sequence: A170037
Score: 30.1904
Type of gen. func.: lgdogf

$$-\frac{28}{(x+1)(27x-1)}$$

Sequence: A170037
Score: 7.49349
Type of gen. func.: ogf

$$\{a(n+2) - 27 a(n+1), a(0) = 1, a(1) = 28\}$$

Sequence: A170038
Score: 12.115
Type of gen. func.: ogf

$$-28 f(x) x + f(x) - x - 1$$

Sequence: A170038
Score: 14.6656
Type of gen. func.: ogf

$$-\frac{x+1}{28x-1}$$

Sequence: A170038
Score: 15.1722
Type of gen. func.: revogf

$$-14x - 1/2 + \frac{(784x^2 + 60x + 1)^{1/2}}{2}$$

Sequence: A170038
Score: 30.3445
Type of gen. func.: lgdogf

$$-\frac{29}{(x+1)(28x-1)}$$

Sequence: A170038
Score: 7.53096
Type of gen. func.: ogf

$$\{a(n+2) - 28\,a(n+1),\ a(0) = 1,\ a(1) = 29\}$$

Sequence: A170039
Score: 12.2356
Type of gen. func.: ogf

$$-29\,f(x)\,x + f(x) - x - 1$$

Sequence: A170039
Score: 14.5196
Type of gen. func.: revogf

$$-\frac{29x}{2} - 1/2 + \frac{(841x^2 + 62x + 1)^{1/2}}{2}$$

Sequence: A170039
Score: 14.8115
Type of gen. func.: ogf

$$-\frac{x+1}{29x-1}$$

Sequence: A170039
Score: 30.6525
Type of gen. func.: lgdogf

30

```
                         - ------------------
                           (x + 1) (29 x - 1)
```

Sequence: A170039
Score: 7.60589
Type of gen. func.: ogf

```
         {a(n + 2) - 29 a(n + 1), a(0) = 1, a(1) = 30}
```

Sequence: A170040
Score: 12.2958
Type of gen. func.: ogf

```
                  -30 f(x) x + f(x) - x - 1
```

Sequence: A170040
Score: 14.8844
Type of gen. func.: ogf

```
                                 x + 1
                               - --------
                                 30 x - 1
```

Sequence: A170040
Score: 15.4033
Type of gen. func.: revogf

```
                                      2             1/2
                                (900 x  + 64 x + 1)
                -15 x - 1/2 + ----------------------
                                        2
```

Sequence: A170040
Score: 30.8066
Type of gen. func.: lgdogf

```
                                   31
                         - ------------------
                           (x + 1) (30 x - 1)
```

Sequence: A170040
Score: 7.64335

```
Type of gen. func.: ogf


                 {a(n + 2) - 30 a(n + 1), a(0) = 1, a(1) = 31}



------------------------------------------------------------------------------

Sequence:  A170041
Score: 12.2958
Type of gen. func.: ogf


                           -31 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A170041
Score: 14.5926
Type of gen. func.: revogf


                                          2             1/2
                         31 x         (961 x  + 66 x + 1)
                       - ---- - 1/2 + ----------------------
                          2                     2



------------------------------------------------------------------------------

Sequence:  A170041
Score: 14.8844
Type of gen. func.: ogf


                                        x + 1
                                     - --------
                                       31 x - 1



------------------------------------------------------------------------------

Sequence:  A170041
Score: 30.8066
Type of gen. func.: lgdogf


                                          32
                                - ------------------
                                  (x + 1) (31 x - 1)



------------------------------------------------------------------------------

Sequence:  A170041
Score: 7.64335
Type of gen. func.: ogf


                 {a(n + 2) - 31 a(n + 1), a(0) = 1, a(1) = 32}



------------------------------------------------------------------------------
```

Sequence: A170042
Score: 12.7177
Type of gen. func.: ogf

$$-32 f(x) x + f(x) - x - 1$$

Sequence: A170042
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{32 x - 1}$$

Sequence: A170042
Score: 15.5115
Type of gen. func.: revogf

$$- 1/2 - 16 x + \frac{(1024 x^2 + 68 x + 1)^{1/2}}{2}$$

Sequence: A170042
Score: 31.8848
Type of gen. func.: lgdogf

$$-\frac{33}{(x + 1) (32 x - 1)}$$

Sequence: A170042
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 32 a(n + 1), a(0) = 1, a(1) = 33\}$$

Sequence: A170043
Score: 12.7177
Type of gen. func.: ogf

$$-33 f(x) x + f(x) - x - 1$$

Sequence: A170043
Score: 14.7161
Type of gen. func.: revogf

$$-1/2-\frac{33x}{2}+\frac{(1089x^2+70x+1)^{1/2}}{2}$$

Sequence: A170043
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x+1}{33x-1}$$

Sequence: A170043
Score: 31.8848
Type of gen. func.: lgdogf

$$-\frac{34}{(x+1)(33x-1)}$$

Sequence: A170043
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n+2)-33a(n+1), a(0)=1, a(1)=34\}$$

Sequence: A170044
Score: 12.7177
Type of gen. func.: ogf

$$-34f(x)x+f(x)-x-1$$

Sequence: A170044
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x+1}{}$$

$$34 x - 1$$

Sequence: A170044
Score: 15.5115
Type of gen. func.: revogf

$$- 1/2 - 17 x + \frac{(1156 x^2 + 72 x + 1)^{1/2}}{2}$$

Sequence: A170044
Score: 31.8848
Type of gen. func.: lgdogf

$$- \frac{35}{(x + 1) (34 x - 1)}$$

Sequence: A170044
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 34 a(n + 1), a(0) = 1, a(1) = 35\}$$

Sequence: A170045
Score: 12.8383
Type of gen. func.: ogf

$$-35 f(x) x + f(x) - x - 1$$

Sequence: A170045
Score: 14.1334
Type of gen. func.: revogf

$$- \frac{35 x}{2} - 1/2 + \frac{((1 + 25 x) (1 + 49 x))^{1/2}}{2}$$

Sequence: A170045
Score: 15.5411

Type of gen. func.: ogf

$$-\frac{x+1}{35x-1}$$

Sequence: A170045
Score: 32.1929
Type of gen. func.: lgdogf

$$-\frac{36}{(x+1)(35x-1)}$$

Sequence: A170045
Score: 7.98057
Type of gen. func.: ogf

$$\{a(n+2) - 35\,a(n+1),\ a(0) = 1,\ a(1) = 36\}$$

Sequence: A170046
Score: 11.1854
Type of gen. func.: ogf

$$-36\,f(x)\,x + f(x) - x - 1$$

Sequence: A170046
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x+1}{36x-1}$$

Sequence: A170046
Score: 13.6134
Type of gen. func.: revogf

$$-1/2 - 18x + \frac{(1296x^2 + 76x + 1)^{1/2}}{2}$$

Sequence: A170046
Score: 27.9832
Type of gen. func.: lgdogf

$$-\frac{37}{(x + 1) (36 x - 1)}$$

Sequence: A170046
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 36 a(n + 1), a(0) = 1, a(1) = 37\}$$

Sequence: A170047
Score: 11.1854
Type of gen. func.: ogf

$$-37 f(x) x + f(x) - x - 1$$

Sequence: A170047
Score: 12.9153
Type of gen. func.: revogf

$$- 1/2 - \frac{37 x}{2} + \frac{(1369 x^2 + 78 x + 1)^{1/2}}{2}$$

Sequence: A170047
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{37 x - 1}$$

Sequence: A170047
Score: 27.9832
Type of gen. func.: lgdogf

```
                  38
        - ------------------
```

$$(x + 1) (37 x - 1)$$

Sequence: A170047
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 37 a(n + 1), a(0) = 1, a(1) = 38\}$$

Sequence: A170048
Score: 11.3032
Type of gen. func.: ogf

$$-38 f(x) x + f(x) - x - 1$$

Sequence: A170048
Score: 13.6828
Type of gen. func.: ogf

$$-\frac{x + 1}{38 x - 1}$$

Sequence: A170048
Score: 13.7598
Type of gen. func.: revogf

$$- 1/2 - 19 x + \frac{(1444 x^2 + 80 x + 1)^{1/2}}{2}$$

Sequence: A170048
Score: 28.2841
Type of gen. func.: lgdogf

$$-\frac{39}{(x + 1) (38 x - 1)}$$

Sequence: A170048
Score: 7.02630
Type of gen. func.: ogf

$$\{a(n+2) - 38\, a(n+1),\ a(0) = 1,\ a(1) = 39\}$$

Sequence: A170049
Score: 11.362
Type of gen. func.: ogf

$$-39\, f(x)\, x + f(x) - x - 1$$

Sequence: A170049
Score: 13.1236
Type of gen. func.: revogf

$$-\frac{39\, x}{2} - 1/2 + \frac{(1521\, x^2 + 82\, x + 1)^{1/2}}{2}$$

Sequence: A170049
Score: 13.7541
Type of gen. func.: ogf

$$-\frac{x + 1}{39\, x - 1}$$

Sequence: A170049
Score: 28.4345
Type of gen. func.: lgdogf

$$-\frac{40}{(x + 1)\, (39\, x - 1)}$$

Sequence: A170049
Score: 7.06289
Type of gen. func.: ogf

$$\{a(n+2) - 39\, a(n+1),\ a(0) = 1,\ a(1) = 40\}$$

Sequence: A170050

Score: 11.4798
Type of gen. func.: ogf

$$-40 f(x) x + f(x) - x - 1$$

Sequence: A170050
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{40 x - 1}$$

Sequence: A170050
Score: 13.9794
Type of gen. func.: revogf

$$-20 x - 1/2 + \frac{(1600 x^2 + 84 x + 1)^{1/2}}{2}$$

Sequence: A170050
Score: 28.7354
Type of gen. func.: lgdogf

$$-\frac{41}{(x + 1) (40 x - 1)}$$

Sequence: A170050
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 40 a(n + 1), a(0) = 1, a(1) = 41\}$$

Sequence: A170051
Score: 11.4798
Type of gen. func.: ogf

$$-41 f(x) x + f(x) - x - 1$$

Sequence: A170051
Score: 13.2625
Type of gen. func.: revogf

$$- 1/2 - \frac{41 x}{2} + \frac{(1681 x^2 + 86 x + 1)^{1/2}}{2}$$

Sequence: A170051
Score: 13.8966
Type of gen. func.: ogf

$$- \frac{x + 1}{41 x - 1}$$

Sequence: A170051
Score: 28.7354
Type of gen. func.: lgdogf

$$- \frac{42}{(x + 1) (41 x - 1)}$$

Sequence: A170051
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 41 a(n + 1), a(0) = 1, a(1) = 42\}$$

Sequence: A170052
Score: 11.5386
Type of gen. func.: ogf

$$-42 f(x) x + f(x) - x - 1$$

Sequence: A170052
Score: 13.9678
Type of gen. func.: ogf

$$- \frac{x + 1}{42 x - 1}$$

Sequence: A170052
Score: 14.0526
Type of gen. func.: revogf

$$-\frac{1}{2}-21x+\frac{(1764x^2+88x+1)^{1/2}}{2}$$

Sequence: A170052
Score: 28.8859
Type of gen. func.: lgdogf

$$-\frac{43}{(x+1)(42x-1)}$$

Sequence: A170052
Score: 7.17268
Type of gen. func.: ogf

$$\{a(n+2)-42a(n+1), a(0)=1, a(1)=43\}$$

Sequence: A170053
Score: 11.5975
Type of gen. func.: ogf

$$-43 f(x) x + f(x) - x - 1$$

Sequence: A170053
Score: 13.4014
Type of gen. func.: revogf

$$-\frac{1}{2}-\frac{43x}{2}+\frac{(1849x^2+90x+1)^{1/2}}{2}$$

Sequence: A170053
Score: 14.0391
Type of gen. func.: ogf

$$-\frac{x+1}{43x-1}$$

Sequence: A170053
Score: 29.0363
Type of gen. func.: lgdogf

$$-\frac{44}{(x+1)(43x-1)}$$

Sequence: A170053
Score: 7.20927
Type of gen. func.: ogf

$$\{a(n+2) - 43\,a(n+1),\ a(0) = 1,\ a(1) = 44\}$$

Sequence: A170054
Score: 11.7153
Type of gen. func.: ogf

$$-44\,f(x)\,x + f(x) - x - 1$$

Sequence: A170054
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x+1}{44x-1}$$

Sequence: A170054
Score: 14.2722
Type of gen. func.: revogf

$$-1/2 - 22x + \frac{(1936x^2 + 92x + 1)^{1/2}}{2}$$

Sequence: A170054
Score: 29.3372
Type of gen. func.: lgdogf

$$-\frac{45}{(x+1)(44x-1)}$$

Sequence: A170054
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n+2) - 44\, a(n+1), a(0) = 1, a(1) = 45\}$$

Sequence: A170055
Score: 11.7153
Type of gen. func.: ogf

$$-45 f(x) x + f(x) - x - 1$$

Sequence: A170055
Score: 13.5403
Type of gen. func.: revogf

$$-1/2 - \frac{45x}{2} + \frac{(2025x^2 + 94x + 1)^{1/2}}{2}$$

Sequence: A170055
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x+1}{45x-1}$$

Sequence: A170055
Score: 29.3372
Type of gen. func.: lgdogf

$$-\frac{46}{(x+1)(45x-1)}$$

Sequence: A170055
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 45 a(n + 1), a(0) = 1, a(1) = 46\}$$

Sequence: A170056
Score: 11.7153
Type of gen. func.: ogf

$$-46 f(x) x + f(x) - x - 1$$

Sequence: A170056
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{46 x - 1}$$

Sequence: A170056
Score: 14.2722
Type of gen. func.: revogf

$$- 1/2 - 23 x + \frac{(2116 x^2 + 96 x + 1)^{1/2}}{2}$$

Sequence: A170056
Score: 29.3372
Type of gen. func.: lgdogf

$$-\frac{47}{(x + 1) (46 x - 1)}$$

Sequence: A170056
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 46 a(n + 1), a(0) = 1, a(1) = 47\}$$

Sequence: A170057
Score: 11.9507
Type of gen. func.: ogf

$$-47 f(x) x + f(x) - x - 1$$

Sequence: A170057
Score: 13.8180
Type of gen. func.: revogf

$$-\frac{47 x}{2} - 1/2 + \frac{(2209 x^2 + 98 x + 1)^{1/2}}{2}$$

Sequence: A170057
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{47 x - 1}$$

Sequence: A170057
Score: 29.9390
Type of gen. func.: lgdogf

$$-\frac{48}{(x + 1) (47 x - 1)}$$

Sequence: A170057
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 47 a(n + 1), a(0) = 1, a(1) = 48\}$$

Sequence: A170058
Score: 11.9507

Type of gen. func.: ogf

$$-48 f(x) x + f(x) - x - 1$$

Sequence: A170058
Score: 13.8180
Type of gen. func.: revogf

$$- 1/2 - 24 x + \frac{((1 + 36 x) (64 x + 1))^{1/2}}{2}$$

Sequence: A170058
Score: 14.4667
Type of gen. func.: ogf

$$- \frac{x + 1}{48 x - 1}$$

Sequence: A170058
Score: 29.9390
Type of gen. func.: lgdogf

$$- \frac{49}{(x + 1) (48 x - 1)}$$

Sequence: A170058
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 48 a(n + 1), a(0) = 1, a(1) = 49\}$$

Sequence: A170059
Score: 11.9507
Type of gen. func.: ogf

$$-49 f(x) x + f(x) - x - 1$$

Sequence: A170059
Score: 13.4725
Type of gen. func.: revogf

$$- 1/2 - \frac{49 x}{2} + \frac{(2401 x^2 + 102 x + 1)^{1/2}}{2}$$

Sequence: A170059
Score: 14.4667
Type of gen. func.: ogf

$$- \frac{x + 1}{49 x - 1}$$

Sequence: A170059
Score: 29.9390
Type of gen. func.: lgdogf

$$- \frac{50}{(x + 1) (49 x - 1)}$$

Sequence: A170059
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 49 a(n + 1), a(0) = 1, a(1) = 50\}$$

Sequence: A170060
Score: 15.8654
Type of gen. func.: ogf

$$-2 f(x) x + f(x) - x - 1$$

Sequence: A170060
Score: 19.2957
Type of gen. func.: ogf

$$- \frac{x + 1}{2 x - 1}$$

Sequence: A170060
Score: 23.3360
Type of gen. func.: revogf

$$-x - 1/2 + \frac{(4 x^2 + 8 x + 1)^{1/2}}{2}$$

Sequence: A170060
Score: 43.7550
Type of gen. func.: lgdogf

$$- \frac{3}{(2 x - 1) (x + 1)}$$

Sequence: A170060
Score: 9.91586
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 3\}$$

Sequence: A170061
Score: 14.5528
Type of gen. func.: ogf

$$-3 f(x) x + f(x) - x - 1$$

Sequence: A170061
Score: 17.6994
Type of gen. func.: ogf

$$- \frac{x + 1}{3 x - 1}$$

Sequence: A170061
Score: 17.8290
Type of gen. func.: revogf

$$-\frac{3x}{2} - 1/2 + \frac{((x+1)(1+9x))^{1/2}}{2}$$

Sequence: A170061
Score: 37.7556
Type of gen. func.: lgdogf

$$-\frac{4}{(3x-1)(x+1)}$$

Sequence: A170061
Score: 9.09553
Type of gen. func.: ogf

$$\{a(n+2) - 3a(n+1), a(0) = 1, a(1) = 4\}$$

Sequence: A170062
Score: 14.619
Type of gen. func.: ogf

$$-4 f(x) x + f(x) - x - 1$$

Sequence: A170062
Score: 17.7799
Type of gen. func.: ogf

$$-\frac{x+1}{4x-1}$$

Sequence: A170062
Score: 18.9748
Type of gen. func.: revogf

$$-2x - 1/2 + \frac{(16x^2 + 12x + 1)^{1/2}}{2}$$

Sequence: A170062
Score: 40.3215
Type of gen. func.: lgdogf

$$-\frac{5}{(x+1)(4x-1)}$$

Sequence: A170062
Score: 9.13689
Type of gen. func.: ogf

$$\{a(n+2) - 4\,a(n+1),\ a(0) = 1,\ a(1) = 5\}$$

Sequence: A170063
Score: 13.6693
Type of gen. func.: ogf

$$-5\,f(x)\,x + f(x) - x - 1$$

Sequence: A170063
Score: 16.6248
Type of gen. func.: ogf

$$-\frac{x+1}{5x-1}$$

Sequence: A170063
Score: 16.7431
Type of gen. func.: revogf

$$-1/2 - \frac{5x}{2} + \frac{(25x^2 + 14x + 1)^{1/2}}{2}$$

Sequence: A170063
Score: 37.6720
Type of gen. func.: lgdogf

$$-\frac{6}{(x+1)(5x-1)}$$

Sequence: A170063
Score: 8.54329
Type of gen. func.: ogf

```
                  {a(n + 2) - 5 a(n + 1), a(0) = 1, a(1) = 6}
```

Sequence: A170064
Score: 13.4636
Type of gen. func.: ogf

```
                            -6 f(x) x + f(x) - x - 1
```

Sequence: A170064
Score: 16.3746
Type of gen. func.: ogf

```
                                       x + 1
                                    - --------
                                      -1 + 6 x
```

Sequence: A170064
Score: 17.4612
Type of gen. func.: revogf

```
                                          2            1/2
                                      (36 x  + 16 x + 1)
                        -3 x - 1/2 + ---------------------
                                               2
```

Sequence: A170064
Score: 37.1051
Type of gen. func.: lgdogf

```
                                          7
                               - ------------------
                                 (x + 1) (-1 + 6 x)
```

Sequence: A170064
Score: 8.41471
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 7\}$$

Sequence: A170065
Score: 12.9815
Type of gen. func.: ogf

$$-7 f(x) x + f(x) - x - 1$$

Sequence: A170065
Score: 15.7883
Type of gen. func.: ogf

$$-\frac{x + 1}{7 x - 1}$$

Sequence: A170065
Score: 15.8940
Type of gen. func.: revogf

$$- 1/2 - \frac{7 x}{2} + \frac{(49 x^2 + 18 x + 1)^{1/2}}{2}$$

Sequence: A170065
Score: 35.7615
Type of gen. func.: lgdogf

$$-\frac{8}{(x + 1) (7 x - 1)}$$

Sequence: A170065
Score: 8.11343
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1), a(0) = 1, a(1) = 8\}$$

Sequence: A170066
Score: 13.6472
Type of gen. func.: ogf

$$-8 f(x) x + f(x) - x - 1$$

Sequence: A170066
Score: 16.2741
Type of gen. func.: revogf

$$-4 x - 1/2 + \frac{((4 x + 1) (1 + 16 x))^{1/2}}{2}$$

Sequence: A170066
Score: 16.5980
Type of gen. func.: ogf

$$-\frac{x + 1}{8 x - 1}$$

Sequence: A170066
Score: 37.6339
Type of gen. func.: lgdogf

$$-\frac{9}{(x + 1) (8 x - 1)}$$

Sequence: A170066
Score: 8.52951
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 9\}$$

Sequence: A170067
Score: 12.7592
Type of gen. func.: ogf

$$-9 f(x) x + f(x) - x - 1$$

Sequence: A170067

Score: 15.5180
Type of gen. func.: ogf

$$-\frac{x + 1}{9 x - 1}$$

Sequence: A170067
Score: 15.6219
Type of gen. func.: revogf

$$- 1/2 - \frac{9 x}{2} + \frac{(81 x^{2} + 22 x + 1)^{1/2}}{2}$$

Sequence: A170067
Score: 33.0816
Type of gen. func.: lgdogf

$$-\frac{10}{(x + 1) (9 x - 1)}$$

Sequence: A170067
Score: 7.86529
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 10\}$$

Sequence: A170068
Score: 12.0642
Type of gen. func.: ogf

$$-10 f(x) x + f(x) - x - 1$$

Sequence: A170068
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x + 1}{10 x - 1}$$

Sequence: A170068
Score: 15.5254
Type of gen. func.: revogf

$$-5 x - 1/2 + \frac{(100 x^2 + 24 x + 1)^{1/2}}{2}$$

Sequence: A170068
Score: 30.1883
Type of gen. func.: lgdogf

$$- \frac{11}{(x + 1) (10 x - 1)}$$

Sequence: A170068
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 11\}$$

Sequence: A170069
Score: 12.0642
Type of gen. func.: ogf

$$-11 f(x) x + f(x) - x - 1$$

Sequence: A170069
Score: 14.2997
Type of gen. func.: revogf

$$- 1/2 - \frac{11 x}{2} + \frac{(121 x^2 + 26 x + 1)^{1/2}}{2}$$

Sequence: A170069
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x+1}{11x-1}$$

Sequence: A170069
Score: 30.1883
Type of gen. func.: lgdogf

$$-\frac{12}{(x+1)(11x-1)}$$

Sequence: A170069
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n+2) - 11\,a(n+1),\ a(0) = 1,\ a(1) = 12\}$$

Sequence: A170070
Score: 10.9017
Type of gen. func.: ogf

$$-12\,f(x)\,x + f(x) - x - 1$$

Sequence: A170070
Score: 13.1968
Type of gen. func.: ogf

$$-\frac{x+1}{12x-1}$$

Sequence: A170070
Score: 14.0042
Type of gen. func.: revogf

$$-1/2 - 6x + \frac{(144x^2 + 28x + 1)^{1/2}}{2}$$

Sequence: A170070

Score: 27.2303
Type of gen. func.: lgdogf

$$-\frac{13}{(x+1)(12x-1)}$$

Sequence: A170070
Score: 6.77673
Type of gen. func.: ogf

$$\{a(n+2) - 12\,a(n+1),\ a(0) = 1,\ a(1) = 13\}$$

Sequence: A170071
Score: 11.1481
Type of gen. func.: ogf

$$-13\,f(x)\,x + f(x) - x - 1$$

Sequence: A170071
Score: 13.1968
Type of gen. func.: revogf

$$-1/2 - \frac{13x}{2} + \frac{(169x^2 + 30x + 1)^{1/2}}{2}$$

Sequence: A170071
Score: 13.4950
Type of gen. func.: ogf

$$-\frac{x+1}{13x-1}$$

Sequence: A170071
Score: 27.8599
Type of gen. func.: lgdogf

$$-\frac{14}{(x+1)(13x-1)}$$

Sequence: A170071
Score: 6.92988
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1), a(0) = 1, a(1) = 14\}$$

Sequence: A170072
Score: 11.456
Type of gen. func.: ogf

$$-14 f(x) x + f(x) - x - 1$$

Sequence: A170072
Score: 13.8678
Type of gen. func.: ogf

$$-\frac{x + 1}{14 x - 1}$$

Sequence: A170072
Score: 14.7327
Type of gen. func.: revogf

$$- 1/2 - 7 x + \frac{(196 x^2 + 32 x + 1)^{1/2}}{2}$$

Sequence: A170072
Score: 28.6469
Type of gen. func.: lgdogf

$$-\frac{15}{(x + 1) (14 x - 1)}$$

Sequence: A170072
Score: 7.12131
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1), a(0) = 1, a(1) = 15\}$$

Sequence: A170073
Score: 11.6408
Type of gen. func.: ogf

$$-15 f(x) x + f(x) - x - 1$$

Sequence: A170073
Score: 13.1036
Type of gen. func.: revogf

$$- 1/2 - \frac{15 x}{2} + \frac{((1 + 9 x) (1 + 25 x))^{1/2}}{2}$$

Sequence: A170073
Score: 14.0915
Type of gen. func.: ogf

$$- \frac{x + 1}{15 x - 1}$$

Sequence: A170073
Score: 29.1191
Type of gen. func.: lgdogf

$$- \frac{16}{(x + 1) (15 x - 1)}$$

Sequence: A170073
Score: 7.23618
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1), a(0) = 1, a(1) = 16\}$$

Sequence: A170074
Score: 11.9488
Type of gen. func.: ogf

$$-16 f(x) x + f(x) - x - 1$$

Sequence: A170074
Score: 14.4643
Type of gen. func.: ogf

$$-\frac{x + 1}{16 x - 1}$$

Sequence: A170074
Score: 15.3803
Type of gen. func.: revogf

$$- 1/2 - 8 x + \frac{(256 x^2 + 36 x + 1)^{1/2}}{2}$$

Sequence: A170074
Score: 29.9061
Type of gen. func.: lgdogf

$$-\frac{17}{(x + 1) (16 x - 1)}$$

Sequence: A170074
Score: 7.42761
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 17\}$$

Sequence: A170075
Score: 12.1335
Type of gen. func.: ogf

$$-17 f(x) x + f(x) - x - 1$$

Sequence: A170075
Score: 14.3897

Type of gen. func.: revogf

$$- 1/2 - \frac{17 x}{2} + \frac{(289 x^2 + 38 x + 1)^{1/2}}{2}$$

Sequence: A170075
Score: 14.6879
Type of gen. func.: ogf

$$- \frac{x + 1}{17 x - 1}$$

Sequence: A170075
Score: 30.3783
Type of gen. func.: lgdogf

$$- \frac{18}{(x + 1) (17 x - 1)}$$

Sequence: A170075
Score: 7.54246
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1), a(0) = 1, a(1) = 18\}$$

Sequence: A170076
Score: 10.789
Type of gen. func.: ogf

$$-18 f(x) x + f(x) - x - 1$$

Sequence: A170076
Score: 13.0604
Type of gen. func.: ogf

$$- \frac{x + 1}{18 x - 1}$$

Sequence: A170076
Score: 13.8630
Type of gen. func.: revogf

$$- 1/2 - 9 x + \frac{(324 x^{2} + 40 x + 1)^{1/2}}{2}$$

Sequence: A170076
Score: 26.9557
Type of gen. func.: lgdogf

$$- \frac{19}{(x + 1) (18 x - 1)}$$

Sequence: A170076
Score: 6.70668
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1), a(0) = 1, a(1) = 19\}$$

Sequence: A170077
Score: 10.9095
Type of gen. func.: ogf

$$-19 f(x) x + f(x) - x - 1$$

Sequence: A170077
Score: 12.9144
Type of gen. func.: revogf

$$- 1/2 - \frac{19 x}{2} + \frac{(361 x^{2} + 42 x + 1)^{1/2}}{2}$$

Sequence: A170077
Score: 13.2063
Type of gen. func.: ogf

$$x + 1$$

$$-\frac{\quad}{19 x - 1}$$

Sequence: A170077
Score: 27.2638
Type of gen. func.: lgdogf

$$-\frac{20}{(x + 1) (19 x - 1)}$$

Sequence: A170077
Score: 6.78161
Type of gen. func.: ogf

{a(n + 2) - 19 a(n + 1), a(0) = 1, a(1) = 20}

Sequence: A170078
Score: 11.0904
Type of gen. func.: ogf

-20 f(x) x + f(x) - x - 1

Sequence: A170078
Score: 13.4252
Type of gen. func.: ogf

$$-\frac{x + 1}{20 x - 1}$$

Sequence: A170078
Score: 13.8630
Type of gen. func.: revogf

$$- 1/2 - 10 x + \frac{(400 x^2 + 44 x + 1)^{1/2}}{2}$$

Sequence: A170078
Score: 26.2666

Type of gen. func.: lgdogf

$$-\frac{21}{(x+1)(20x-1)}$$

Sequence: A170078
Score: 6.89401
Type of gen. func.: ogf

$$\{a(n+2) - 20\,a(n+1),\ a(0) = 1,\ a(1) = 21\}$$

Sequence: A170079
Score: 11.1506
Type of gen. func.: ogf

$$-21\,f(x)\,x + f(x) - x - 1$$

Sequence: A170079
Score: 13.2063
Type of gen. func.: revogf

$$-1/2 - \frac{21x}{2} + \frac{(441x^2 + 46x + 1)^{1/2}}{2}$$

Sequence: A170079
Score: 13.4981
Type of gen. func.: ogf

$$-\frac{x+1}{21x-1}$$

Sequence: A170079
Score: 27.8799
Type of gen. func.: lgdogf

$$-\frac{22}{(x+1)(21x-1)}$$

Sequence: A170079
Score: 6.93147
Type of gen. func.: ogf

$$\{a(n + 2) - 21 a(n + 1), a(0) = 1, a(1) = 22\}$$

Sequence: A170080
Score: 11.452
Type of gen. func.: ogf

$$-22 f(x) x + f(x) - x - 1$$

Sequence: A170080
Score: 13.8629
Type of gen. func.: ogf

$$-\frac{x + 1}{22 x - 1}$$

Sequence: A170080
Score: 14.3250
Type of gen. func.: revogf

$$- 1/2 - 11 x + \frac{(484 x^2 + 48 x + 1)^{1/2}}{2}$$

Sequence: A170080
Score: 28.6501
Type of gen. func.: lgdogf

$$-\frac{23}{(x + 1) (22 x - 1)}$$

Sequence: A170080
Score: 7.11881
Type of gen. func.: ogf

$$\{a(n + 2) - 22 a(n + 1), a(0) = 1, a(1) = 23\}$$

Sequence: A170081
Score: 11.5123
Type of gen. func.: ogf

$$-23 f(x) x + f(x) - x - 1$$

Sequence: A170081
Score: 13.6441
Type of gen. func.: revogf

$$-\frac{23 x}{2} - 1/2 + \frac{(529 x^2 + 50 x + 1)^{1/2}}{2}$$

Sequence: A170081
Score: 13.9359
Type of gen. func.: ogf

$$-\frac{x + 1}{23 x - 1}$$

Sequence: A170081
Score: 28.8041
Type of gen. func.: lgdogf

$$-\frac{24}{(x + 1) (23 x - 1)}$$

Sequence: A170081
Score: 7.15628
Type of gen. func.: ogf

$$\{a(n + 2) - 23 a(n + 1), a(0) = 1, a(1) = 24\}$$

Sequence: A170082
Score: 11.6328
Type of gen. func.: ogf

$$-24 f(x) x + f(x) - x - 1$$

Sequence: A170082
Score: 13.4364
Type of gen. func.: revogf

$$-12 x - 1/2 + \frac{((1 + 16 x) (1 + 36 x))^{1/2}}{2}$$

Sequence: A170082
Score: 14.0818
Type of gen. func.: ogf

$$- \frac{x + 1}{24 x - 1}$$

Sequence: A170082
Score: 29.1122
Type of gen. func.: lgdogf

$$- \frac{25}{(x + 1) (24 x - 1)}$$

Sequence: A170082
Score: 7.23122
Type of gen. func.: ogf

$$\{a(n + 2) - 24 a(n + 1), a(0) = 1, a(1) = 25\}$$

Sequence: A170083
Score: 11.7534
Type of gen. func.: ogf

$$-25 f(x) x + f(x) - x - 1$$

Sequence: A170083
Score: 13.9359
Type of gen. func.: revogf

$$-\frac{1}{2} - \frac{25 x}{2} + \frac{(625 x^2 + 54 x + 1)^{1/2}}{2}$$

Sequence: A170083
Score: 14.2278
Type of gen. func.: ogf

$$-\frac{x + 1}{25 x - 1}$$

Sequence: A170083
Score: 29.4203
Type of gen. func.: lgdogf

$$-\frac{26}{(x + 1) (25 x - 1)}$$

Sequence: A170083
Score: 7.30615
Type of gen. func.: ogf

$$\{a(n + 2) - 25 a(n + 1), a(0) = 1, a(1) = 26\}$$

Sequence: A170084
Score: 11.8739
Type of gen. func.: ogf

$$-26 f(x) x + f(x) - x - 1$$

Sequence: A170084
Score: 14.3737
Type of gen. func.: ogf

$$-\frac{x + 1}{26 x - 1}$$

Sequence: A170084
Score: 14.8642
Type of gen. func.: revogf

$$-13 x - 1/2 + \frac{(676 x^2 + 56 x + 1)^{1/2}}{2}$$

Sequence: A170084
Score: 29.7283
Type of gen. func.: lgdogf

$$- \frac{27}{(x + 1) (26 x - 1)}$$

Sequence: A170084
Score: 7.38108
Type of gen. func.: ogf

$$\{a(n + 2) - 26 a(n + 1), a(0) = 1, a(1) = 27\}$$

Sequence: A170085
Score: 12.0547
Type of gen. func.: ogf

$$-27 f(x) x + f(x) - x - 1$$

Sequence: A170085
Score: 14.3007
Type of gen. func.: revogf

$$- \frac{27 x}{2} - 1/2 + \frac{(729 x^2 + 58 x + 1)^{1/2}}{2}$$

Sequence: A170085
Score: 14.5926
Type of gen. func.: ogf

```
   x + 1
- --------
```

27 x - 1

Sequence: A170085
Score: 30.1904
Type of gen. func.: lgdogf

$$-\frac{28}{(x+1)(27x-1)}$$

Sequence: A170085
Score: 7.49349
Type of gen. func.: ogf

$$\{a(n+2) - 27\,a(n+1),\ a(0) = 1,\ a(1) = 28\}$$

Sequence: A170086
Score: 12.115
Type of gen. func.: ogf

$$-28 f(x) x + f(x) - x - 1$$

Sequence: A170086
Score: 14.6656
Type of gen. func.: ogf

$$-\frac{x+1}{28x-1}$$

Sequence: A170086
Score: 15.1722
Type of gen. func.: revogf

$$-14x - 1/2 + \frac{(784x^2 + 60x + 1)^{1/2}}{2}$$

Sequence: A170086
Score: 30.3445
Type of gen. func.: lgdogf

$$-\frac{29}{(x+1)(28x-1)}$$

Sequence: A170086
Score: 7.53096
Type of gen. func.: ogf

$$\{a(n+2) - 28\,a(n+1),\ a(0) = 1,\ a(1) = 29\}$$

Sequence: A170087
Score: 12.2356
Type of gen. func.: ogf

$$-29\,f(x)\,x + f(x) - x - 1$$

Sequence: A170087
Score: 14.5196
Type of gen. func.: revogf

$$-\frac{29x}{2} - 1/2 + \frac{(841x^2 + 62x + 1)^{1/2}}{2}$$

Sequence: A170087
Score: 14.8115
Type of gen. func.: ogf

$$-\frac{x+1}{29x-1}$$

Sequence: A170087
Score: 30.6525
Type of gen. func.: lgdogf

$$-\frac{30}{(x+1)(29x-1)}$$

Sequence: A170087
Score: 7.60589
Type of gen. func.: ogf

$$\{a(n+2) - 29\, a(n+1),\ a(0) = 1,\ a(1) = 30\}$$

Sequence: A170088
Score: 12.2958
Type of gen. func.: ogf

$$-30 f(x)\, x + f(x) - x - 1$$

Sequence: A170088
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x+1}{30 x - 1}$$

Sequence: A170088
Score: 15.4033
Type of gen. func.: revogf

$$-15 x - 1/2 + \frac{(900 x^2 + 64 x + 1)^{1/2}}{2}$$

Sequence: A170088
Score: 30.8066
Type of gen. func.: lgdogf

$$-\frac{31}{(x+1)(30 x - 1)}$$

Sequence: A170088
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n+2) - 30\, a(n+1),\ a(0) = 1,\ a(1) = 31\}$$

Sequence: A170089
Score: 12.2958
Type of gen. func.: ogf

$$-31 f(x) x + f(x) - x - 1$$

Sequence: A170089
Score: 14.5926
Type of gen. func.: revogf

$$-\frac{31 x}{2} - 1/2 + \frac{(961 x^2 + 66 x + 1)^{1/2}}{2}$$

Sequence: A170089
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{31 x - 1}$$

Sequence: A170089
Score: 30.8066
Type of gen. func.: lgdogf

$$-\frac{32}{(x + 1) (31 x - 1)}$$

Sequence: A170089
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 31 a(n + 1), a(0) = 1, a(1) = 32\}$$

Sequence: A170090
Score: 12.7177
Type of gen. func.: ogf

$$-32 f(x) x + f(x) - x - 1$$

Sequence: A170090
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{32 x - 1}$$

Sequence: A170090
Score: 15.5115
Type of gen. func.: revogf

$$- 1/2 - 16 x + \frac{(1024 x^2 + 68 x + 1)^{1/2}}{2}$$

Sequence: A170090
Score: 31.8848
Type of gen. func.: lgdogf

$$-\frac{33}{(x + 1) (32 x - 1)}$$

Sequence: A170090
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 32 a(n + 1), a(0) = 1, a(1) = 33\}$$

Sequence: A170091
Score: 12.7177
Type of gen. func.: ogf

$$-33 f(x) x + f(x) - x - 1$$

Sequence: A170091
Score: 14.7161
Type of gen. func.: revogf

$$- 1/2 - \frac{33 x}{2} + \frac{(1089 x^2 + 70 x + 1)^{1/2}}{2}$$

Sequence: A170091
Score: 15.3952
Type of gen. func.: ogf

$$- \frac{x + 1}{33 x - 1}$$

Sequence: A170091
Score: 31.8848
Type of gen. func.: lgdogf

$$- \frac{34}{(x + 1) (33 x - 1)}$$

Sequence: A170091
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 33 a(n + 1), a(0) = 1, a(1) = 34\}$$

Sequence: A170092
Score: 12.7177
Type of gen. func.: ogf

$$-34 f(x) x + f(x) - x - 1$$

Sequence: A170092
Score: 15.3952
Type of gen. func.: ogf

$$- \frac{x + 1}{34 x - 1}$$

Sequence: A170092
Score: 15.5115
Type of gen. func.: revogf

$$- 1/2 - 17 x + \frac{(1156 x^2 + 72 x + 1)^{1/2}}{2}$$

Sequence: A170092
Score: 31.8848
Type of gen. func.: lgdogf

$$- \frac{35}{(x + 1) (34 x - 1)}$$

Sequence: A170092
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 34 a(n + 1), a(0) = 1, a(1) = 35\}$$

Sequence: A170093
Score: 12.8383
Type of gen. func.: ogf

$$-35 f(x) x + f(x) - x - 1$$

Sequence: A170093
Score: 14.1334
Type of gen. func.: revogf

$$- \frac{35 x}{2} - 1/2 + \frac{((1 + 25 x) (1 + 49 x))^{1/2}}{2}$$

Sequence: A170093
Score: 15.5411
Type of gen. func.: ogf

$$- \frac{x + 1}{35 x - 1}$$

Sequence: A170093
Score: 32.1929
Type of gen. func.: lgdogf

$$-\frac{36}{(x+1)(35x-1)}$$

Sequence: A170093
Score: 7.98057
Type of gen. func.: ogf

$$\{a(n+2) - 35\,a(n+1),\ a(0) = 1,\ a(1) = 36\}$$

Sequence: A170094
Score: 11.1854
Type of gen. func.: ogf

$$-36\,f(x)\,x + f(x) - x - 1$$

Sequence: A170094
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x+1}{36x-1}$$

Sequence: A170094
Score: 13.6134
Type of gen. func.: revogf

$$-1/2 - 18x + \frac{(1296x^2 + 76x + 1)^{1/2}}{2}$$

Sequence: A170094
Score: 27.9832
Type of gen. func.: lgdogf

$$-\frac{37}{(x+1)(36x-1)}$$

Sequence: A170094
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n+2) - 36\,a(n+1),\ a(0) = 1,\ a(1) = 37\}$$

Sequence: A170095
Score: 11.1854
Type of gen. func.: ogf

$$-37\,f(x)\,x + f(x) - x - 1$$

Sequence: A170095
Score: 12.9153
Type of gen. func.: revogf

$$-1/2 - \frac{37x}{2} + \frac{(1369x^2 + 78x + 1)^{1/2}}{2}$$

Sequence: A170095
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x+1}{37x-1}$$

Sequence: A170095
Score: 27.9832
Type of gen. func.: lgdogf

$$-\frac{38}{(x+1)(37x-1)}$$

Sequence: A170095
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n+2) - 37\, a(n+1),\ a(0) = 1,\ a(1) = 38\}$$

Sequence: A170096
Score: 11.3032
Type of gen. func.: ogf

$$-38 f(x)\, x + f(x) - x - 1$$

Sequence: A170096
Score: 13.6828
Type of gen. func.: ogf

$$-\frac{x + 1}{38 x - 1}$$

Sequence: A170096
Score: 13.7598
Type of gen. func.: revogf

$$-1/2 - 19 x + \frac{(1444 x^2 + 80 x + 1)^{1/2}}{2}$$

Sequence: A170096
Score: 28.2841
Type of gen. func.: lgdogf

$$-\frac{39}{(x + 1)(38 x - 1)}$$

Sequence: A170096
Score: 7.02630
Type of gen. func.: ogf

$$\{a(n+2) - 38\, a(n+1),\ a(0) = 1,\ a(1) = 39\}$$

Sequence: A170097
Score: 11.362
Type of gen. func.: ogf

$$-39 f(x) x + f(x) - x - 1$$

Sequence: A170097
Score: 13.1236
Type of gen. func.: revogf

$$-\frac{39 x}{2} - 1/2 + \frac{(1521 x^2 + 82 x + 1)^{1/2}}{2}$$

Sequence: A170097
Score: 13.7541
Type of gen. func.: ogf

$$-\frac{x + 1}{39 x - 1}$$

Sequence: A170097
Score: 28.4345
Type of gen. func.: lgdogf

$$-\frac{40}{(x + 1) (39 x - 1)}$$

Sequence: A170097
Score: 7.06289
Type of gen. func.: ogf

$$\{a(n + 2) - 39 a(n + 1), a(0) = 1, a(1) = 40\}$$

Sequence: A170098
Score: 11.4798
Type of gen. func.: ogf

$$-40 f(x) x + f(x) - x - 1$$

Sequence: A170098
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x+1}{40x-1}$$

Sequence: A170098
Score: 13.9794
Type of gen. func.: revogf

$$-20x-1/2+\frac{(1600x^2+84x+1)^{1/2}}{2}$$

Sequence: A170098
Score: 28.7354
Type of gen. func.: lgdogf

$$-\frac{41}{(x+1)(40x-1)}$$

Sequence: A170098
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n+2)-40a(n+1), a(0)=1, a(1)=41\}$$

Sequence: A170099
Score: 11.4798
Type of gen. func.: ogf

$$-41 f(x) x + f(x) - x - 1$$

Sequence: A170099
Score: 13.2625
Type of gen. func.: revogf

$$-\frac{1}{2}-\frac{41x}{2}+\frac{(1681x^2+86x+1)^{1/2}}{2}$$

Sequence: A170099
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x+1}{41x-1}$$

Sequence: A170099
Score: 28.7354
Type of gen. func.: lgdogf

$$-\frac{42}{(x+1)(41x-1)}$$

Sequence: A170099
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n+2)-41a(n+1), a(0)=1, a(1)=42\}$$

Sequence: A170100
Score: 11.5386
Type of gen. func.: ogf

$$-42f(x)x+f(x)-x-1$$

Sequence: A170100
Score: 13.9678
Type of gen. func.: ogf

$$-\frac{x+1}{42x-1}$$

Sequence: A170100

Score: 14.0526
Type of gen. func.: revogf

$$- 1/2 - 21 x + \frac{(1764 x^2 + 88 x + 1)^{1/2}}{2}$$

Sequence: A170100
Score: 28.8859
Type of gen. func.: lgdogf

$$- \frac{43}{(x + 1) (42 x - 1)}$$

Sequence: A170100
Score: 7.17268
Type of gen. func.: ogf

$$\{a(n + 2) - 42 a(n + 1), a(0) = 1, a(1) = 43\}$$

Sequence: A170101
Score: 11.5975
Type of gen. func.: ogf

$$-43 f(x) x + f(x) - x - 1$$

Sequence: A170101
Score: 13.4014
Type of gen. func.: revogf

$$- 1/2 - \frac{43 x}{2} + \frac{(1849 x^2 + 90 x + 1)^{1/2}}{2}$$

Sequence: A170101
Score: 14.0391
Type of gen. func.: ogf

$$- \frac{x + 1}{43 x - 1}$$

Sequence: A170101
Score: 29.0363
Type of gen. func.: lgdogf

$$-\frac{44}{(x+1)(43x-1)}$$

Sequence: A170101
Score: 7.20927
Type of gen. func.: ogf

{a(n + 2) - 43 a(n + 1), a(0) = 1, a(1) = 44}

Sequence: A170102
Score: 11.7153
Type of gen. func.: ogf

$$-44 f(x) x + f(x) - x - 1$$

Sequence: A170102
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x+1}{44x-1}$$

Sequence: A170102
Score: 14.2722
Type of gen. func.: revogf

$$-1/2 - 22x + \frac{(1936x^2 + 92x + 1)^{1/2}}{2}$$

Sequence: A170102
Score: 29.3372
Type of gen. func.: lgdogf

$$-\frac{45}{(x+1)(44x-1)}$$

Sequence: A170102
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n+2) - 44\,a(n+1),\ a(0) = 1,\ a(1) = 45\}$$

Sequence: A170103
Score: 11.7153
Type of gen. func.: ogf

$$-45\,f(x)\,x + f(x) - x - 1$$

Sequence: A170103
Score: 13.5403
Type of gen. func.: revogf

$$-1/2 - \frac{45\,x}{2} + \frac{(2025\,x^2 + 94\,x + 1)^{1/2}}{2}$$

Sequence: A170103
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x+1}{45x-1}$$

Sequence: A170103
Score: 29.3372
Type of gen. func.: lgdogf

$$-\frac{46}{(x+1)(45x-1)}$$

Sequence: A170103

Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 45 a(n + 1), a(0) = 1, a(1) = 46\}$$

Sequence: A170104
Score: 11.7153
Type of gen. func.: ogf

$$-46 f(x) x + f(x) - x - 1$$

Sequence: A170104
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{46 x - 1}$$

Sequence: A170104
Score: 14.2722
Type of gen. func.: revogf

$$- 1/2 - 23 x + \frac{(2116 x^2 + 96 x + 1)^{1/2}}{2}$$

Sequence: A170104
Score: 29.3372
Type of gen. func.: lgdogf

$$-\frac{47}{(x + 1) (46 x - 1)}$$

Sequence: A170104
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 46 a(n + 1), a(0) = 1, a(1) = 47\}$$

Sequence: A170105
Score: 11.9507
Type of gen. func.: ogf

$$-47 f(x) x + f(x) - x - 1$$

Sequence: A170105
Score: 13.8180
Type of gen. func.: revogf

$$-\frac{47 x}{2} - 1/2 + \frac{(2209 x^2 + 98 x + 1)^{1/2}}{2}$$

Sequence: A170105
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{47 x - 1}$$

Sequence: A170105
Score: 29.9390
Type of gen. func.: lgdogf

$$-\frac{48}{(x + 1) (47 x - 1)}$$

Sequence: A170105
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 47 a(n + 1), a(0) = 1, a(1) = 48\}$$

Sequence: A170106
Score: 11.9507
Type of gen. func.: ogf

$$-48 f(x) x + f(x) - x - 1$$

Sequence: A170106
Score: 13.8180
Type of gen. func.: revogf

$$- 1/2 - 24 x + \frac{((1 + 36 x) (64 x + 1))^{1/2}}{2}$$

Sequence: A170106
Score: 14.4667
Type of gen. func.: ogf

$$- \frac{x + 1}{48 x - 1}$$

Sequence: A170106
Score: 29.9390
Type of gen. func.: lgdogf

$$- \frac{49}{(x + 1) (48 x - 1)}$$

Sequence: A170106
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 48 a(n + 1), a(0) = 1, a(1) = 49\}$$

Sequence: A170107
Score: 11.9507
Type of gen. func.: ogf

$$-49 f(x) x + f(x) - x - 1$$

Sequence: A170107
Score: 13.4725
Type of gen. func.: revogf

2   1/2

```
                            49 x   (2401 x  + 102 x + 1)
                    - 1/2 - ---- + ------------------------
                             2                2



------------------------------------------------------------------------------

Sequence:  A170107
Score: 14.4667
Type of gen. func.: ogf


                                      x + 1
                                   - --------
                                     49 x - 1



------------------------------------------------------------------------------

Sequence:  A170107
Score: 29.9390
Type of gen. func.: lgdogf


                                        50
                              - ------------------
                                (x + 1) (49 x - 1)



------------------------------------------------------------------------------

Sequence:  A170107
Score: 7.42884
Type of gen. func.: ogf


                 {a(n + 2) - 49 a(n + 1), a(0) = 1, a(1) = 50}



------------------------------------------------------------------------------

Sequence:  A170108
Score: 15.8654
Type of gen. func.: ogf


                            -2 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A170108
Score: 19.2957
Type of gen. func.: ogf


                                      x + 1
                                   - -------
                                     2 x - 1



------------------------------------------------------------------------------

Sequence:  A170108
Score: 23.3360
```

Type of gen. func.: revogf

$$-x - 1/2 + \frac{(4 x^2 + 8 x + 1)^{1/2}}{2}$$

Sequence: A170108
Score: 43.7550
Type of gen. func.: lgdogf

$$- \frac{3}{(2 x - 1) (x + 1)}$$

Sequence: A170108
Score: 9.91586
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 3\}$$

Sequence: A170109
Score: 14.5528
Type of gen. func.: ogf

$$-3 f(x) x + f(x) - x - 1$$

Sequence: A170109
Score: 17.6994
Type of gen. func.: ogf

$$- \frac{x + 1}{3 x - 1}$$

Sequence: A170109
Score: 17.8290
Type of gen. func.: revogf

$$- \frac{3 x}{2} - 1/2 + \frac{((x + 1) (1 + 9 x))^{1/2}}{2}$$

Sequence: A170109
Score: 37.7556
Type of gen. func.: lgdogf

$$-\frac{4}{(3 x - 1) (x + 1)}$$

Sequence: A170109
Score: 9.09553
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 4\}$$

Sequence: A170110
Score: 14.619
Type of gen. func.: ogf

$$-4 f(x) x + f(x) - x - 1$$

Sequence: A170110
Score: 17.7799
Type of gen. func.: ogf

$$-\frac{x + 1}{4 x - 1}$$

Sequence: A170110
Score: 18.9748
Type of gen. func.: revogf

$$-2 x - 1/2 + \frac{(16 x^2 + 12 x + 1)^{1/2}}{2}$$

Sequence: A170110
Score: 40.3215
Type of gen. func.: lgdogf

5

$$-\frac{\qquad}{(x + 1) (4 x - 1)}$$

Sequence: A170110
Score: 9.13689
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 5\}$$

Sequence: A170111
Score: 13.6693
Type of gen. func.: ogf

$$-5 f(x) x + f(x) - x - 1$$

Sequence: A170111
Score: 16.6248
Type of gen. func.: ogf

$$-\frac{x + 1}{5 x - 1}$$

Sequence: A170111
Score: 16.7431
Type of gen. func.: revogf

$$- 1/2 - \frac{5 x}{2} + \frac{(25 x^2 + 14 x + 1)^{1/2}}{2}$$

Sequence: A170111
Score: 37.6720
Type of gen. func.: lgdogf

$$-\frac{6}{(x + 1) (5 x - 1)}$$

Sequence: A170111
Score: 8.54329

```
Type of gen. func.: ogf


                  {a(n + 2) - 5 a(n + 1), a(0) = 1, a(1) = 6}



------------------------------------------------------------------------------

Sequence:  A170112
Score: 13.4636
Type of gen. func.: ogf


                            -6 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A170112
Score: 16.3746
Type of gen. func.: ogf


                                      x + 1
                                   - --------
                                     -1 + 6 x



------------------------------------------------------------------------------

Sequence:  A170112
Score: 17.4612
Type of gen. func.: revogf


                                          2            1/2
                                     (36 x  + 16 x + 1)
                       -3 x - 1/2 + ---------------------
                                               2



------------------------------------------------------------------------------

Sequence:  A170112
Score: 37.1051
Type of gen. func.: lgdogf


                                         7
                              - ------------------
                                (x + 1) (-1 + 6 x)



------------------------------------------------------------------------------

Sequence:  A170112
Score: 8.41471
Type of gen. func.: ogf


                  {a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 7}



------------------------------------------------------------------------------
```

Sequence: A170113
Score: 12.9815
Type of gen. func.: ogf

$$-7 f(x) x + f(x) - x - 1$$

Sequence: A170113
Score: 15.7883
Type of gen. func.: ogf

$$-\frac{x + 1}{7 x - 1}$$

Sequence: A170113
Score: 15.8940
Type of gen. func.: revogf

$$-1/2 - \frac{7 x}{2} + \frac{(49 x^2 + 18 x + 1)^{1/2}}{2}$$

Sequence: A170113
Score: 35.7615
Type of gen. func.: lgdogf

$$-\frac{8}{(x + 1) (7 x - 1)}$$

Sequence: A170113
Score: 8.11343
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1), a(0) = 1, a(1) = 8\}$$

Sequence: A170114
Score: 13.6472
Type of gen. func.: ogf

$$-8 f(x) x + f(x) - x - 1$$

Sequence: A170114
Score: 16.2741
Type of gen. func.: revogf

$$-4 x - 1/2 + \frac{((4 x + 1) (1 + 16 x))^{1/2}}{2}$$

Sequence: A170114
Score: 16.5980
Type of gen. func.: ogf

$$- \frac{x + 1}{8 x - 1}$$

Sequence: A170114
Score: 37.6339
Type of gen. func.: lgdogf

$$- \frac{9}{(x + 1) (8 x - 1)}$$

Sequence: A170114
Score: 8.52951
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 9\}$$

Sequence: A170115
Score: 12.7592
Type of gen. func.: ogf

$$-9 f(x) x + f(x) - x - 1$$

Sequence: A170115
Score: 15.5180
Type of gen. func.: ogf

$$- \frac{x + 1}{}$$

$$9x - 1$$

Sequence: A170115
Score: 15.6219
Type of gen. func.: revogf

$$-1/2 - \frac{9x}{2} + \frac{(81x^2 + 22x + 1)^{1/2}}{2}$$

Sequence: A170115
Score: 33.0816
Type of gen. func.: lgdogf

$$-\frac{10}{(x + 1)(9x - 1)}$$

Sequence: A170115
Score: 7.86529
Type of gen. func.: ogf

$$\{a(n + 2) - 9a(n + 1), a(0) = 1, a(1) = 10\}$$

Sequence: A170116
Score: 12.0642
Type of gen. func.: ogf

$$-10f(x)x + f(x) - x - 1$$

Sequence: A170116
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x + 1}{10x - 1}$$

Sequence: A170116
Score: 15.5254
Type of gen. func.: revogf

$$-5 x - 1/2 + \frac{(100 x^2 + 24 x + 1)^{1/2}}{2}$$

Sequence: A170116
Score: 30.1883
Type of gen. func.: lgdogf

$$- \frac{11}{(x + 1) (10 x - 1)}$$

Sequence: A170116
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 11\}$$

Sequence: A170117
Score: 12.0642
Type of gen. func.: ogf

$$-11 f(x) x + f(x) - x - 1$$

Sequence: A170117
Score: 14.2997
Type of gen. func.: revogf

$$- 1/2 - \frac{11 x}{2} + \frac{(121 x^2 + 26 x + 1)^{1/2}}{2}$$

Sequence: A170117
Score: 14.6040
Type of gen. func.: ogf

$$- \frac{x + 1}{11 x - 1}$$

Sequence: A170117
Score: 30.1883
Type of gen. func.: lgdogf

$$-\frac{12}{(x+1)(11x-1)}$$

Sequence: A170117
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n+2) - 11\,a(n+1),\ a(0) = 1,\ a(1) = 12\}$$

Sequence: A170118
Score: 10.9017
Type of gen. func.: ogf

$$-12\,f(x)\,x + f(x) - x - 1$$

Sequence: A170118
Score: 13.1968
Type of gen. func.: ogf

$$-\frac{x+1}{12x-1}$$

Sequence: A170118
Score: 14.0042
Type of gen. func.: revogf

$$-1/2 - 6x + \frac{(144x^2 + 28x + 1)^{1/2}}{2}$$

Sequence: A170118
Score: 27.2303
Type of gen. func.: lgdogf

$$-\frac{13}{\quad}$$

$$(x + 1) (12 x - 1)$$

Sequence: A170118
Score: 6.77673
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1), a(0) = 1, a(1) = 13\}$$

Sequence: A170119
Score: 11.1481
Type of gen. func.: ogf

$$-13 f(x) x + f(x) - x - 1$$

Sequence: A170119
Score: 13.1968
Type of gen. func.: revogf

$$- 1/2 - \frac{13 x}{2} + \frac{(169 x^2 + 30 x + 1)^{1/2}}{2}$$

Sequence: A170119
Score: 13.4950
Type of gen. func.: ogf

$$- \frac{x + 1}{13 x - 1}$$

Sequence: A170119
Score: 27.8599
Type of gen. func.: lgdogf

$$- \frac{14}{(x + 1) (13 x - 1)}$$

Sequence: A170119
Score: 6.92988
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1), a(0) = 1, a(1) = 14\}$$

Sequence: A170120
Score: 11.456
Type of gen. func.: ogf

$$-14 f(x) x + f(x) - x - 1$$

Sequence: A170120
Score: 13.8678
Type of gen. func.: ogf

$$-\frac{x + 1}{14 x - 1}$$

Sequence: A170120
Score: 14.7327
Type of gen. func.: revogf

$$- 1/2 - 7 x + \frac{(196 x^2 + 32 x + 1)^{1/2}}{2}$$

Sequence: A170120
Score: 28.6469
Type of gen. func.: lgdogf

$$-\frac{15}{(x + 1) (14 x - 1)}$$

Sequence: A170120
Score: 7.12131
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1), a(0) = 1, a(1) = 15\}$$

Sequence: A170121

Score: 11.6408
Type of gen. func.: ogf

$$-15 f(x) x + f(x) - x - 1$$

Sequence: A170121
Score: 13.1036
Type of gen. func.: revogf

$$- 1/2 - \frac{15 x}{2} + \frac{((1 + 9 x) (1 + 25 x))^{1/2}}{2}$$

Sequence: A170121
Score: 14.0915
Type of gen. func.: ogf

$$- \frac{x + 1}{15 x - 1}$$

Sequence: A170121
Score: 29.1191
Type of gen. func.: lgdogf

$$- \frac{16}{(x + 1) (15 x - 1)}$$

Sequence: A170121
Score: 7.23618
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1), a(0) = 1, a(1) = 16\}$$

Sequence: A170122
Score: 11.9488
Type of gen. func.: ogf

$$-16 f(x) x + f(x) - x - 1$$

Sequence: A170122
Score: 14.4643
Type of gen. func.: ogf

```
                                 x + 1
                              - --------
                                16 x - 1
```

Sequence: A170122
Score: 15.3803
Type of gen. func.: revogf

```
                                           2             1/2
                                  (256 x  + 36 x + 1)
                 - 1/2 - 8 x + ----------------------
                                            2
```

Sequence: A170122
Score: 29.9061
Type of gen. func.: lgdogf

```
                                       17
                         - ------------------
                           (x + 1) (16 x - 1)
```

Sequence: A170122
Score: 7.42761
Type of gen. func.: ogf

```
              {a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 17}
```

Sequence: A170123
Score: 12.1335
Type of gen. func.: ogf

```
                        -17 f(x) x + f(x) - x - 1
```

Sequence: A170123
Score: 14.3897
Type of gen. func.: revogf

```
                                           2             1/2
                          17 x   (289 x  + 38 x + 1)
                - 1/2 - ---- + ----------------------
```

2 2

Sequence: A170123
Score: 14.6879
Type of gen. func.: ogf

$$-\frac{x + 1}{17 x - 1}$$

Sequence: A170123
Score: 30.3783
Type of gen. func.: lgdogf

$$-\frac{18}{(x + 1) (17 x - 1)}$$

Sequence: A170123
Score: 7.54246
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1), a(0) = 1, a(1) = 18\}$$

Sequence: A170124
Score: 10.789
Type of gen. func.: ogf

$$-18 f(x) x + f(x) - x - 1$$

Sequence: A170124
Score: 13.0604
Type of gen. func.: ogf

$$-\frac{x + 1}{18 x - 1}$$

Sequence: A170124
Score: 13.8630
Type of gen. func.: revogf

$$- 1/2 - 9 x + \frac{(324 x^2 + 40 x + 1)^{1/2}}{2}$$

Sequence: A170124
Score: 26.9557
Type of gen. func.: lgdogf

$$- \frac{19}{(x + 1) (18 x - 1)}$$

Sequence: A170124
Score: 6.70668
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1), a(0) = 1, a(1) = 19\}$$

Sequence: A170125
Score: 10.9095
Type of gen. func.: ogf

$$-19 f(x) x + f(x) - x - 1$$

Sequence: A170125
Score: 12.9144
Type of gen. func.: revogf

$$- 1/2 - \frac{19 x}{2} + \frac{(361 x^2 + 42 x + 1)^{1/2}}{2}$$

Sequence: A170125
Score: 13.2063
Type of gen. func.: ogf

$$- \frac{x + 1}{19 x - 1}$$

Sequence: A170125
Score: 27.2638
Type of gen. func.: lgdogf

$$-\frac{20}{(x + 1) (19 x - 1)}$$

Sequence: A170125
Score: 6.78161
Type of gen. func.: ogf

$$\{a(n + 2) - 19 a(n + 1), a(0) = 1, a(1) = 20\}$$

Sequence: A170126
Score: 11.0904
Type of gen. func.: ogf

$$-20 f(x) x + f(x) - x - 1$$

Sequence: A170126
Score: 13.4252
Type of gen. func.: ogf

$$-\frac{x + 1}{20 x - 1}$$

Sequence: A170126
Score: 13.8630
Type of gen. func.: revogf

$$- 1/2 - 10 x + \frac{(400 x^2 + 44 x + 1)^{1/2}}{2}$$

Sequence: A170126
Score: 26.2666
Type of gen. func.: lgdogf

$$-\frac{21}{(x + 1) (20 x - 1)}$$

Sequence: A170126
Score: 6.89401
Type of gen. func.: ogf

$$\{a(n+2) - 20\, a(n+1),\ a(0) = 1,\ a(1) = 21\}$$

Sequence: A170127
Score: 11.1506
Type of gen. func.: ogf

$$-21\, f(x)\, x + f(x) - x - 1$$

Sequence: A170127
Score: 13.2063
Type of gen. func.: revogf

$$-\frac{1}{2} - \frac{21\, x}{2} + \frac{(441\, x^2 + 46\, x + 1)^{1/2}}{2}$$

Sequence: A170127
Score: 13.4981
Type of gen. func.: ogf

$$-\frac{x + 1}{21\, x - 1}$$

Sequence: A170127
Score: 27.8799
Type of gen. func.: lgdogf

$$-\frac{22}{(x + 1)\,(21\, x - 1)}$$

Sequence: A170127
Score: 6.93147
Type of gen. func.: ogf

$$\{a(n + 2) - 21 a(n + 1), a(0) = 1, a(1) = 22\}$$

Sequence: A170128
Score: 11.452
Type of gen. func.: ogf

$$-22 f(x) x + f(x) - x - 1$$

Sequence: A170128
Score: 13.8629
Type of gen. func.: ogf

$$-\frac{x + 1}{22 x - 1}$$

Sequence: A170128
Score: 14.3250
Type of gen. func.: revogf

$$-1/2 - 11 x + \frac{(484 x^2 + 48 x + 1)^{1/2}}{2}$$

Sequence: A170128
Score: 28.6501
Type of gen. func.: lgdogf

$$-\frac{23}{(x + 1) (22 x - 1)}$$

Sequence: A170128
Score: 7.11881
Type of gen. func.: ogf

$$\{a(n + 2) - 22 a(n + 1), a(0) = 1, a(1) = 23\}$$

Sequence: A170129
Score: 11.5123

Type of gen. func.: ogf

$$-23 f(x) x + f(x) - x - 1$$

Sequence: A170129
Score: 13.6441
Type of gen. func.: revogf

$$-\frac{23 x}{2} - 1/2 + \frac{(529 x^{2} + 50 x + 1)^{1/2}}{2}$$

Sequence: A170129
Score: 13.9359
Type of gen. func.: ogf

$$-\frac{x + 1}{23 x - 1}$$

Sequence: A170129
Score: 28.8041
Type of gen. func.: lgdogf

$$-\frac{24}{(x + 1) (23 x - 1)}$$

Sequence: A170129
Score: 7.15628
Type of gen. func.: ogf

$$\{a(n + 2) - 23 a(n + 1), a(0) = 1, a(1) = 24\}$$

Sequence: A170130
Score: 11.6328
Type of gen. func.: ogf

$$-24 f(x) x + f(x) - x - 1$$

Sequence: A170130
Score: 13.4364
Type of gen. func.: revogf

$$-12 x - 1/2 + \frac{((1 + 16 x) (1 + 36 x))^{1/2}}{2}$$

Sequence: A170130
Score: 14.0818
Type of gen. func.: ogf

$$- \frac{x + 1}{24 x - 1}$$

Sequence: A170130
Score: 29.1122
Type of gen. func.: lgdogf

$$- \frac{25}{(x + 1) (24 x - 1)}$$

Sequence: A170130
Score: 7.23122
Type of gen. func.: ogf

$$\{a(n + 2) - 24 a(n + 1), a(0) = 1, a(1) = 25\}$$

Sequence: A170131
Score: 11.7534
Type of gen. func.: ogf

$$-25 f(x) x + f(x) - x - 1$$

Sequence: A170131
Score: 13.9359
Type of gen. func.: revogf

$$- 1/2 - \frac{25 x}{2} + \frac{(625 x^2 + 54 x + 1)^{1/2}}{2}$$

Sequence: A170131
Score: 14.2278
Type of gen. func.: ogf

$$-\frac{x + 1}{25 x - 1}$$

Sequence: A170131
Score: 29.4203
Type of gen. func.: lgdogf

$$-\frac{26}{(x + 1) (25 x - 1)}$$

Sequence: A170131
Score: 7.30615
Type of gen. func.: ogf

$$\{a(n + 2) - 25 a(n + 1), a(0) = 1, a(1) = 26\}$$

Sequence: A170132
Score: 11.8739
Type of gen. func.: ogf

$$-26 f(x) x + f(x) - x - 1$$

Sequence: A170132
Score: 14.3737
Type of gen. func.: ogf

$$-\frac{x + 1}{26 x - 1}$$

Sequence: A170132
Score: 14.8642
Type of gen. func.: revogf

$$-13x - 1/2 + \frac{(676x^2 + 56x + 1)^{1/2}}{2}$$

Sequence: A170132
Score: 29.7283
Type of gen. func.: lgdogf

$$-\frac{27}{(x + 1)(26x - 1)}$$

Sequence: A170132
Score: 7.38108
Type of gen. func.: ogf

$$\{a(n + 2) - 26 a(n + 1), a(0) = 1, a(1) = 27\}$$

Sequence: A170133
Score: 12.0547
Type of gen. func.: ogf

$$-27 f(x) x + f(x) - x - 1$$

Sequence: A170133
Score: 14.3007
Type of gen. func.: revogf

$$-\frac{27x}{2} - 1/2 + \frac{(729x^2 + 58x + 1)^{1/2}}{2}$$

Sequence: A170133
Score: 14.5926
Type of gen. func.: ogf

$$-\frac{x + 1}{27x - 1}$$

Sequence: A170133
Score: 30.1904
Type of gen. func.: lgdogf

$$-\frac{28}{(x+1)(27x-1)}$$

Sequence: A170133
Score: 7.49349
Type of gen. func.: ogf

$$\{a(n+2) - 27\,a(n+1),\ a(0) = 1,\ a(1) = 28\}$$

Sequence: A170134
Score: 12.115
Type of gen. func.: ogf

$$-28\,f(x)\,x + f(x) - x - 1$$

Sequence: A170134
Score: 14.6656
Type of gen. func.: ogf

$$-\frac{x+1}{28x-1}$$

Sequence: A170134
Score: 15.1722
Type of gen. func.: revogf

$$-14x - 1/2 + \frac{(784x^2 + 60x + 1)^{1/2}}{2}$$

Sequence: A170134
Score: 30.3445
Type of gen. func.: lgdogf

$$-\frac{29}{(x+1)(28x-1)}$$

Sequence: A170134
Score: 7.53096
Type of gen. func.: ogf

$$\{a(n + 2) - 28 a(n + 1), a(0) = 1, a(1) = 29\}$$

Sequence: A170135
Score: 12.2356
Type of gen. func.: ogf

$$-29 f(x) x + f(x) - x - 1$$

Sequence: A170135
Score: 14.5196
Type of gen. func.: revogf

$$- \frac{29 x}{2} - 1/2 + \frac{(841 x^2 + 62 x + 1)^{1/2}}{2}$$

Sequence: A170135
Score: 14.8115
Type of gen. func.: ogf

$$- \frac{x + 1}{29 x - 1}$$

Sequence: A170135
Score: 30.6525
Type of gen. func.: lgdogf

$$- \frac{30}{(x + 1) (29 x - 1)}$$

Sequence: A170135
Score: 7.60589
Type of gen. func.: ogf

$$\{a(n+2) - 29\,a(n+1),\ a(0) = 1,\ a(1) = 30\}$$

Sequence: A170136
Score: 12.2958
Type of gen. func.: ogf

$$-30\,f(x)\,x + f(x) - x - 1$$

Sequence: A170136
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x+1}{30\,x-1}$$

Sequence: A170136
Score: 15.4033
Type of gen. func.: revogf

$$-15\,x - 1/2 + \frac{(900\,x^2 + 64\,x + 1)^{1/2}}{2}$$

Sequence: A170136
Score: 30.8066
Type of gen. func.: lgdogf

$$-\frac{31}{(x+1)\,(30\,x-1)}$$

Sequence: A170136
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n+2) - 30\,a(n+1),\ a(0) = 1,\ a(1) = 31\}$$

Sequence: A170137
Score: 12.2958
Type of gen. func.: ogf

$$-31 f(x) x + f(x) - x - 1$$

Sequence: A170137
Score: 14.5926
Type of gen. func.: revogf

$$-\frac{31 x}{2} - 1/2 + \frac{(961 x^{2} + 66 x + 1)^{1/2}}{2}$$

Sequence: A170137
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{31 x - 1}$$

Sequence: A170137
Score: 30.8066
Type of gen. func.: lgdogf

$$-\frac{32}{(x + 1) (31 x - 1)}$$

Sequence: A170137
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 31 a(n + 1), a(0) = 1, a(1) = 32\}$$

Sequence: A170138
Score: 12.7177
Type of gen. func.: ogf

$$-32 f(x) x + f(x) - x - 1$$

Sequence: A170138

Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x+1}{32x-1}$$

Sequence: A170138
Score: 15.5115
Type of gen. func.: revogf

$$-1/2-16x+\frac{(1024x^2+68x+1)^{1/2}}{2}$$

Sequence: A170138
Score: 31.8848
Type of gen. func.: lgdogf

$$-\frac{33}{(x+1)(32x-1)}$$

Sequence: A170138
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n+2)-32a(n+1), a(0)=1, a(1)=33\}$$

Sequence: A170139
Score: 12.7177
Type of gen. func.: ogf

$$-33f(x)x+f(x)-x-1$$

Sequence: A170139
Score: 14.7161
Type of gen. func.: revogf

$$-1/2-\frac{33x}{2}+\frac{(1089x^2+70x+1)^{1/2}}{2}$$

Sequence: A170139
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{33 x - 1}$$

Sequence: A170139
Score: 31.8848
Type of gen. func.: lgdogf

$$-\frac{34}{(x + 1) (33 x - 1)}$$

Sequence: A170139
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 33 a(n + 1), a(0) = 1, a(1) = 34\}$$

Sequence: A170140
Score: 12.7177
Type of gen. func.: ogf

$$-34 f(x) x + f(x) - x - 1$$

Sequence: A170140
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{34 x - 1}$$

Sequence: A170140
Score: 15.5115
Type of gen. func.: revogf

2 1/2

$$- 1/2 - 17 x + \frac{(1156 x + 72 x + 1)}{2}$$

Sequence: A170140
Score: 31.8848
Type of gen. func.: lgdogf

$$- \frac{35}{(x + 1) (34 x - 1)}$$

Sequence: A170140
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 34 a(n + 1), a(0) = 1, a(1) = 35\}$$

Sequence: A170141
Score: 12.8383
Type of gen. func.: ogf

$$-35 f(x) x + f(x) - x - 1$$

Sequence: A170141
Score: 14.1334
Type of gen. func.: revogf

$$- \frac{35 x}{2} - 1/2 + \frac{((1 + 25 x) (1 + 49 x))^{1/2}}{2}$$

Sequence: A170141
Score: 15.5411
Type of gen. func.: ogf

$$- \frac{x + 1}{35 x - 1}$$

Sequence: A170141

Score: 32.1929
Type of gen. func.: lgdogf

$$-\frac{36}{(x + 1) (35 x - 1)}$$

Sequence: A170141
Score: 7.98057
Type of gen. func.: ogf

$$\{a(n + 2) - 35 a(n + 1), a(0) = 1, a(1) = 36\}$$

Sequence: A170142
Score: 11.1854
Type of gen. func.: ogf

$$-36 f(x) x + f(x) - x - 1$$

Sequence: A170142
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{36 x - 1}$$

Sequence: A170142
Score: 13.6134
Type of gen. func.: revogf

$$-1/2 - 18 x + \frac{(1296 x^2 + 76 x + 1)^{1/2}}{2}$$

Sequence: A170142
Score: 27.9832
Type of gen. func.: lgdogf

$$-\frac{37}{(x + 1) (36 x - 1)}$$

Sequence: A170142
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 36 a(n + 1), a(0) = 1, a(1) = 37\}$$

Sequence: A170143
Score: 11.1854
Type of gen. func.: ogf

$$-37 f(x) x + f(x) - x - 1$$

Sequence: A170143
Score: 12.9153
Type of gen. func.: revogf

$$- 1/2 - \frac{37 x}{2} + \frac{(1369 x^2 + 78 x + 1)^{1/2}}{2}$$

Sequence: A170143
Score: 13.5403
Type of gen. func.: ogf

$$- \frac{x + 1}{37 x - 1}$$

Sequence: A170143
Score: 27.9832
Type of gen. func.: lgdogf

$$- \frac{38}{(x + 1) (37 x - 1)}$$

Sequence: A170143
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 37 a(n + 1), a(0) = 1, a(1) = 38\}$$

Sequence: A170144
Score: 11.3032
Type of gen. func.: ogf

$$-38 f(x) x + f(x) - x - 1$$

Sequence: A170144
Score: 13.6828
Type of gen. func.: ogf

$$-\frac{x + 1}{38 x - 1}$$

Sequence: A170144
Score: 13.7598
Type of gen. func.: revogf

$$- 1/2 - 19 x + \frac{(1444 x^{2} + 80 x + 1)^{1/2}}{2}$$

Sequence: A170144
Score: 28.2841
Type of gen. func.: lgdogf

$$-\frac{39}{(x + 1) (38 x - 1)}$$

Sequence: A170144
Score: 7.02630
Type of gen. func.: ogf

$$\{a(n + 2) - 38 a(n + 1), a(0) = 1, a(1) = 39\}$$

Sequence: A170145
Score: 11.362
Type of gen. func.: ogf

$$-39 f(x) x + f(x) - x - 1$$

Sequence: A170145
Score: 13.1236
Type of gen. func.: revogf

$$-\frac{39 x}{2} - 1/2 + \frac{(1521 x^2 + 82 x + 1)^{1/2}}{2}$$

Sequence: A170145
Score: 13.7541
Type of gen. func.: ogf

$$-\frac{x + 1}{39 x - 1}$$

Sequence: A170145
Score: 28.4345
Type of gen. func.: lgdogf

$$-\frac{40}{(x + 1) (39 x - 1)}$$

Sequence: A170145
Score: 7.06289
Type of gen. func.: ogf

$$\{a(n + 2) - 39 a(n + 1), a(0) = 1, a(1) = 40\}$$

Sequence: A170146
Score: 11.4798
Type of gen. func.: ogf

$$-40 f(x) x + f(x) - x - 1$$

Sequence: A170146
Score: 13.8966

Type of gen. func.: ogf

$$-\frac{x+1}{40x-1}$$

Sequence: A170146
Score: 13.9794
Type of gen. func.: revogf

$$-20x-1/2+\frac{(1600x^2+84x+1)^{1/2}}{2}$$

Sequence: A170146
Score: 28.7354
Type of gen. func.: lgdogf

$$-\frac{41}{(x+1)(40x-1)}$$

Sequence: A170146
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n+2)-40a(n+1), a(0)=1, a(1)=41\}$$

Sequence: A170147
Score: 11.4798
Type of gen. func.: ogf

$$-41f(x)x+f(x)-x-1$$

Sequence: A170147
Score: 13.2625
Type of gen. func.: revogf

$$-1/2-\frac{41x}{2}+\frac{(1681x^2+86x+1)^{1/2}}{2}$$

Sequence: A170147
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x+1}{41x-1}$$

Sequence: A170147
Score: 28.7354
Type of gen. func.: lgdogf

$$-\frac{42}{(x+1)(41x-1)}$$

Sequence: A170147
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n+2) - 41\,a(n+1),\ a(0) = 1,\ a(1) = 42\}$$

Sequence: A170148
Score: 11.5386
Type of gen. func.: ogf

$$-42\,f(x)\,x + f(x) - x - 1$$

Sequence: A170148
Score: 13.9678
Type of gen. func.: ogf

$$-\frac{x+1}{42x-1}$$

Sequence: A170148
Score: 14.0526
Type of gen. func.: revogf

$$(1764x^2 + 88x + 1)^{1/2}$$

```
- 1/2 - 21 x + -----------------------
                          2
```

Sequence: A170148
Score: 28.8859
Type of gen. func.: lgdogf

$$-\frac{43}{(x+1)(42x-1)}$$

Sequence: A170148
Score: 7.17268
Type of gen. func.: ogf

$$\{a(n+2) - 42\,a(n+1),\ a(0) = 1,\ a(1) = 43\}$$

Sequence: A170149
Score: 11.5975
Type of gen. func.: ogf

$$-43\,f(x)\,x + f(x) - x - 1$$

Sequence: A170149
Score: 13.4014
Type of gen. func.: revogf

$$-\frac{1}{2} - \frac{43x}{2} + \frac{(1849x^2 + 90x + 1)^{1/2}}{2}$$

Sequence: A170149
Score: 14.0391
Type of gen. func.: ogf

$$-\frac{x+1}{43x-1}$$

Sequence: A170149
Score: 29.0363

Type of gen. func.: lgdogf

$$-\frac{44}{(x+1)(43x-1)}$$

Sequence: A170149
Score: 7.20927
Type of gen. func.: ogf

$$\{a(n+2) - 43\,a(n+1),\ a(0) = 1,\ a(1) = 44\}$$

Sequence: A170150
Score: 11.7153
Type of gen. func.: ogf

$$-44\,f(x)\,x + f(x) - x - 1$$

Sequence: A170150
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x+1}{44x-1}$$

Sequence: A170150
Score: 14.2722
Type of gen. func.: revogf

$$-1/2 - 22x + \frac{(1936x^2 + 92x + 1)^{1/2}}{2}$$

Sequence: A170150
Score: 29.3372
Type of gen. func.: lgdogf

$$-\frac{45}{(x+1)(44x-1)}$$

Sequence: A170150
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 44 a(n + 1), a(0) = 1, a(1) = 45\}$$

Sequence: A170151
Score: 11.7153
Type of gen. func.: ogf

$$-45 f(x) x + f(x) - x - 1$$

Sequence: A170151
Score: 13.5403
Type of gen. func.: revogf

$$- 1/2 - \frac{45 x}{2} + \frac{(2025 x^2 + 94 x + 1)^{1/2}}{2}$$

Sequence: A170151
Score: 14.1816
Type of gen. func.: ogf

$$- \frac{x + 1}{45 x - 1}$$

Sequence: A170151
Score: 29.3372
Type of gen. func.: lgdogf

$$- \frac{46}{(x + 1) (45 x - 1)}$$

Sequence: A170151
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 45 a(n + 1), a(0) = 1, a(1) = 46\}$$

Sequence: A170152
Score: 11.7153
Type of gen. func.: ogf

$$-46 f(x) x + f(x) - x - 1$$

Sequence: A170152
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{46 x - 1}$$

Sequence: A170152
Score: 14.2722
Type of gen. func.: revogf

$$- 1/2 - 23 x + \frac{(2116 x^{2} + 96 x + 1)^{1/2}}{2}$$

Sequence: A170152
Score: 29.3372
Type of gen. func.: lgdogf

$$-\frac{47}{(x + 1) (46 x - 1)}$$

Sequence: A170152
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 46 a(n + 1), a(0) = 1, a(1) = 47\}$$

Sequence: A170153
Score: 11.9507
Type of gen. func.: ogf

$$-47 f(x) x + f(x) - x - 1$$

Sequence: A170153
Score: 13.8180
Type of gen. func.: revogf

$$- \frac{47 x}{2} - 1/2 + \frac{(2209 x^2 + 98 x + 1)^{1/2}}{2}$$

Sequence: A170153
Score: 14.4667
Type of gen. func.: ogf

$$- \frac{x + 1}{47 x - 1}$$

Sequence: A170153
Score: 29.9390
Type of gen. func.: lgdogf

$$- \frac{48}{(x + 1) (47 x - 1)}$$

Sequence: A170153
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 47 a(n + 1), a(0) = 1, a(1) = 48\}$$

Sequence: A170154
Score: 11.9507
Type of gen. func.: ogf

$$-48 f(x) x + f(x) - x - 1$$

Sequence: A170154
Score: 13.8180
Type of gen. func.: revogf

$$- 1/2 - 24 x + \frac{((1 + 36 x) (64 x + 1))^{1/2}}{2}$$

Sequence: A170154
Score: 14.4667
Type of gen. func.: ogf

$$- \frac{x + 1}{48 x - 1}$$

Sequence: A170154
Score: 29.9390
Type of gen. func.: lgdogf

$$- \frac{49}{(x + 1) (48 x - 1)}$$

Sequence: A170154
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 48 a(n + 1), a(0) = 1, a(1) = 49\}$$

Sequence: A170155
Score: 11.9507
Type of gen. func.: ogf

$$-49 f(x) x + f(x) - x - 1$$

Sequence: A170155
Score: 13.4725
Type of gen. func.: revogf

$$- 1/2 - \frac{49 x}{2} + \frac{(2401 x^2 + 102 x + 1)^{1/2}}{2}$$

Sequence: A170155
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{49 x - 1}$$

Sequence: A170155
Score: 29.9390
Type of gen. func.: lgdogf

$$-\frac{50}{(x + 1) (49 x - 1)}$$

Sequence: A170155
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 49 a(n + 1), a(0) = 1, a(1) = 50\}$$

Sequence: A170156
Score: 15.8654
Type of gen. func.: ogf

$$-2 f(x) x + f(x) - x - 1$$

Sequence: A170156
Score: 19.2957
Type of gen. func.: ogf

$$-\frac{x + 1}{2 x - 1}$$

Sequence: A170156
Score: 23.3360
Type of gen. func.: revogf

$$-x - 1/2 + \frac{(4 x^2 + 8 x + 1)^{1/2}}{}$$

2

Sequence: A170156
Score: 43.7550
Type of gen. func.: lgdogf

$$-\frac{3}{(2x-1)(x+1)}$$

Sequence: A170156
Score: 9.91586
Type of gen. func.: ogf

$$\{a(n+2) - 2a(n+1), a(0) = 1, a(1) = 3\}$$

Sequence: A170157
Score: 14.5528
Type of gen. func.: ogf

$$-3 f(x) x + f(x) - x - 1$$

Sequence: A170157
Score: 17.6994
Type of gen. func.: ogf

$$-\frac{x+1}{3x-1}$$

Sequence: A170157
Score: 17.8290
Type of gen. func.: revogf

$$-\frac{3x}{2} - 1/2 + \frac{((x+1)(1+9x))^{1/2}}{2}$$

Sequence: A170157
Score: 37.7556
Type of gen. func.: lgdogf

$$-\frac{4}{(3x-1)(x+1)}$$

Sequence: A170157
Score: 9.09553
Type of gen. func.: ogf

$$\{a(n+2) - 3a(n+1), a(0) = 1, a(1) = 4\}$$

Sequence: A170158
Score: 14.619
Type of gen. func.: ogf

$$-4 f(x) x + f(x) - x - 1$$

Sequence: A170158
Score: 17.7799
Type of gen. func.: ogf

$$-\frac{x+1}{4x-1}$$

Sequence: A170158
Score: 18.9748
Type of gen. func.: revogf

$$-2x - 1/2 + \frac{(16x^2 + 12x + 1)^{1/2}}{2}$$

Sequence: A170158
Score: 40.3215
Type of gen. func.: lgdogf

$$-\frac{5}{(x+1)(4x-1)}$$

Sequence: A170158
Score: 9.13689
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 5\}$$

Sequence: A170159
Score: 13.6693
Type of gen. func.: ogf

$$-5 f(x) x + f(x) - x - 1$$

Sequence: A170159
Score: 16.6248
Type of gen. func.: ogf

$$-\frac{x + 1}{5 x - 1}$$

Sequence: A170159
Score: 16.7431
Type of gen. func.: revogf

$$-1/2 - \frac{5 x}{2} + \frac{(25 x^2 + 14 x + 1)^{1/2}}{2}$$

Sequence: A170159
Score: 37.6720
Type of gen. func.: lgdogf

$$-\frac{6}{(x + 1) (5 x - 1)}$$

Sequence: A170159
Score: 8.54329
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1), a(0) = 1, a(1) = 6\}$$

Sequence: A170160
Score: 13.4636
Type of gen. func.: ogf

$$-6 f(x) x + f(x) - x - 1$$

Sequence: A170160
Score: 16.3746
Type of gen. func.: ogf

$$-\frac{x + 1}{-1 + 6 x}$$

Sequence: A170160
Score: 17.4612
Type of gen. func.: revogf

$$-3 x - 1/2 + \frac{(36 x^{2} + 16 x + 1)^{1/2}}{2}$$

Sequence: A170160
Score: 37.1051
Type of gen. func.: lgdogf

$$-\frac{7}{(x + 1) (-1 + 6 x)}$$

Sequence: A170160
Score: 8.41471
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 7\}$$

Sequence: A170161
Score: 12.9815
Type of gen. func.: ogf

$$-7 f(x) x + f(x) - x - 1$$

Sequence: A170161
Score: 15.7883
Type of gen. func.: ogf

$$-\frac{x+1}{7x-1}$$

Sequence: A170161
Score: 15.8940
Type of gen. func.: revogf

$$-1/2-\frac{7x}{2}+\frac{(49x^2+18x+1)^{1/2}}{2}$$

Sequence: A170161
Score: 35.7615
Type of gen. func.: lgdogf

$$-\frac{8}{(x+1)(7x-1)}$$

Sequence: A170161
Score: 8.11343
Type of gen. func.: ogf

$$\{a(n+2)-7a(n+1), a(0)=1, a(1)=8\}$$

Sequence: A170162
Score: 13.6472
Type of gen. func.: ogf

$$-8f(x)x+f(x)-x-1$$

Sequence: A170162
Score: 16.2741
Type of gen. func.: revogf

$$-4 x - 1/2 + \frac{((4 x + 1) (1 + 16 x))^{1/2}}{2}$$

Sequence: A170162
Score: 16.5980
Type of gen. func.: ogf

$$- \frac{x + 1}{8 x - 1}$$

Sequence: A170162
Score: 37.6339
Type of gen. func.: lgdogf

$$- \frac{9}{(x + 1) (8 x - 1)}$$

Sequence: A170162
Score: 8.52951
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 9\}$$

Sequence: A170163
Score: 12.7592
Type of gen. func.: ogf

$$-9 f(x) x + f(x) - x - 1$$

Sequence: A170163
Score: 15.5180
Type of gen. func.: ogf

$$- \frac{x + 1}{9 x - 1}$$

Sequence: A170163
Score: 15.6219
Type of gen. func.: revogf

$$-1/2-\frac{9x}{2}+\frac{(81x^2+22x+1)^{1/2}}{2}$$

Sequence: A170163
Score: 33.0816
Type of gen. func.: lgdogf

$$-\frac{10}{(x+1)(9x-1)}$$

Sequence: A170163
Score: 7.86529
Type of gen. func.: ogf

$$\{a(n+2)-9a(n+1), a(0)=1, a(1)=10\}$$

Sequence: A170164
Score: 12.0642
Type of gen. func.: ogf

$$-10f(x)x+f(x)-x-1$$

Sequence: A170164
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x+1}{10x-1}$$

Sequence: A170164
Score: 15.5254
Type of gen. func.: revogf

$$-5x-1/2+\frac{(100x^2+24x+1)^{1/2}}{2}$$

Sequence: A170164
Score: 30.1883
Type of gen. func.: lgdogf

$$-\frac{11}{(x+1)(10x-1)}$$

Sequence: A170164
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n+2) - 10\,a(n+1),\ a(0) = 1,\ a(1) = 11\}$$

Sequence: A170165
Score: 12.0642
Type of gen. func.: ogf

$$-11\,f(x)\,x + f(x) - x - 1$$

Sequence: A170165
Score: 14.2997
Type of gen. func.: revogf

$$-1/2 - \frac{11x}{2} + \frac{(121x^2 + 26x + 1)^{1/2}}{2}$$

Sequence: A170165
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x+1}{11x-1}$$

Sequence: A170165
Score: 30.1883
Type of gen. func.: lgdogf

$$-\frac{12}{(x+1)(11x-1)}$$

Sequence: A170165
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n+2) - 11\,a(n+1),\ a(0) = 1,\ a(1) = 12\}$$

Sequence: A170166
Score: 10.9017
Type of gen. func.: ogf

$$-12\,f(x)\,x + f(x) - x - 1$$

Sequence: A170166
Score: 13.1968
Type of gen. func.: ogf

$$-\frac{x+1}{12x-1}$$

Sequence: A170166
Score: 14.0042
Type of gen. func.: revogf

$$-1/2 - 6x + \frac{(144x^2 + 28x + 1)^{1/2}}{2}$$

Sequence: A170166
Score: 27.2303
Type of gen. func.: lgdogf

$$-\frac{13}{(x+1)(12x-1)}$$

Sequence: A170166
Score: 6.77673
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1), a(0) = 1, a(1) = 13\}$$

Sequence: A170167
Score: 11.1481
Type of gen. func.: ogf

$$-13 f(x) x + f(x) - x - 1$$

Sequence: A170167
Score: 13.1968
Type of gen. func.: revogf

$$- 1/2 - \frac{13 x}{2} + \frac{(169 x^2 + 30 x + 1)^{1/2}}{2}$$

Sequence: A170167
Score: 13.4950
Type of gen. func.: ogf

$$- \frac{x + 1}{13 x - 1}$$

Sequence: A170167
Score: 27.8599
Type of gen. func.: lgdogf

$$- \frac{14}{(x + 1) (13 x - 1)}$$

Sequence: A170167
Score: 6.92988
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1), a(0) = 1, a(1) = 14\}$$

Sequence: A170168
Score: 11.456
Type of gen. func.: ogf

$$-14 f(x) x + f(x) - x - 1$$

Sequence: A170168
Score: 13.8678
Type of gen. func.: ogf

$$-\frac{x + 1}{14 x - 1}$$

Sequence: A170168
Score: 14.7327
Type of gen. func.: revogf

$$- 1/2 - 7 x + \frac{(196 x^2 + 32 x + 1)^{1/2}}{2}$$

Sequence: A170168
Score: 28.6469
Type of gen. func.: lgdogf

$$-\frac{15}{(x + 1) (14 x - 1)}$$

Sequence: A170168
Score: 7.12131
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1), a(0) = 1, a(1) = 15\}$$

Sequence: A170169
Score: 11.6408
Type of gen. func.: ogf

$$-15 f(x) x + f(x) - x - 1$$

Sequence: A170169
Score: 13.1036
Type of gen. func.: revogf

$$- 1/2 - \frac{15 x}{2} + \frac{((1 + 9 x) (1 + 25 x))^{1/2}}{2}$$

Sequence: A170169
Score: 14.0915
Type of gen. func.: ogf

$$- \frac{x + 1}{15 x - 1}$$

Sequence: A170169
Score: 29.1191
Type of gen. func.: lgdogf

$$- \frac{16}{(x + 1) (15 x - 1)}$$

Sequence: A170169
Score: 7.23618
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1), a(0) = 1, a(1) = 16\}$$

Sequence: A170170
Score: 11.9488
Type of gen. func.: ogf

$$-16 f(x) x + f(x) - x - 1$$

Sequence: A170170
Score: 14.4643
Type of gen. func.: ogf

$$-\frac{x+1}{16x-1}$$

Sequence: A170170
Score: 15.3803
Type of gen. func.: revogf

$$-1/2 - 8x + \frac{(256x^2 + 36x + 1)^{1/2}}{2}$$

Sequence: A170170
Score: 29.9061
Type of gen. func.: lgdogf

$$-\frac{17}{(x+1)(16x-1)}$$

Sequence: A170170
Score: 7.42761
Type of gen. func.: ogf

$$\{a(n+2) - 16a(n+1), a(0) = 1, a(1) = 17\}$$

Sequence: A170171
Score: 12.1335
Type of gen. func.: ogf

$$-17 f(x) x + f(x) - x - 1$$

Sequence: A170171
Score: 14.3897
Type of gen. func.: revogf

$$-1/2 - \frac{17x}{2} + \frac{(289x^2 + 38x + 1)^{1/2}}{2}$$

Sequence: A170171
Score: 14.6879
Type of gen. func.: ogf

$$-\frac{x+1}{17x-1}$$

Sequence: A170171
Score: 30.3783
Type of gen. func.: lgdogf

$$-\frac{18}{(x+1)(17x-1)}$$

Sequence: A170171
Score: 7.54246
Type of gen. func.: ogf

$$\{a(n+2) - 17\,a(n+1),\ a(0) = 1,\ a(1) = 18\}$$

Sequence: A170172
Score: 10.789
Type of gen. func.: ogf

$$-18\,f(x)\,x + f(x) - x - 1$$

Sequence: A170172
Score: 13.0604
Type of gen. func.: ogf

$$-\frac{x+1}{18x-1}$$

Sequence: A170172
Score: 13.8630
Type of gen. func.: revogf

$$-1/2 - 9x + \frac{(324x^2 + 40x + 1)^{1/2}}{2}$$

Sequence: A170172
Score: 26.9557
Type of gen. func.: lgdogf

$$-\frac{19}{(x + 1)\ (18\ x - 1)}$$

Sequence: A170172
Score: 6.70668
Type of gen. func.: ogf

$$\{a(n + 2) - 18\ a(n + 1),\ a(0) = 1,\ a(1) = 19\}$$

Sequence: A170173
Score: 10.9095
Type of gen. func.: ogf

$$-19\ f(x)\ x + f(x) - x - 1$$

Sequence: A170173
Score: 12.9144
Type of gen. func.: revogf

$$- 1/2 - \frac{19\ x}{2} + \frac{(361\ x^2 + 42\ x + 1)^{1/2}}{2}$$

Sequence: A170173
Score: 13.2063
Type of gen. func.: ogf

$$-\frac{x + 1}{19\ x - 1}$$

Sequence: A170173
Score: 27.2638
Type of gen. func.: lgdogf

$$-\frac{20}{(x + 1)(19 x - 1)}$$

Sequence: A170173
Score: 6.78161
Type of gen. func.: ogf

$$\{a(n + 2) - 19 a(n + 1), a(0) = 1, a(1) = 20\}$$

Sequence: A170174
Score: 11.0904
Type of gen. func.: ogf

$$-20 f(x) x + f(x) - x - 1$$

Sequence: A170174
Score: 13.4252
Type of gen. func.: ogf

$$-\frac{x + 1}{20 x - 1}$$

Sequence: A170174
Score: 13.8630
Type of gen. func.: revogf

$$- 1/2 - 10 x + \frac{(400 x^2 + 44 x + 1)^{1/2}}{2}$$

Sequence: A170174
Score: 26.2666
Type of gen. func.: lgdogf

$$-\frac{21}{(x + 1)(20 x - 1)}$$

Sequence: A170174

Score: 6.89401
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1), a(0) = 1, a(1) = 21\}$$

Sequence: A170175
Score: 11.1506
Type of gen. func.: ogf

$$-21 f(x) x + f(x) - x - 1$$

Sequence: A170175
Score: 13.2063
Type of gen. func.: revogf

$$- 1/2 - \frac{21 x}{2} + \frac{(441 x^2 + 46 x + 1)^{1/2}}{2}$$

Sequence: A170175
Score: 13.4981
Type of gen. func.: ogf

$$- \frac{x + 1}{21 x - 1}$$

Sequence: A170175
Score: 27.8799
Type of gen. func.: lgdogf

$$- \frac{22}{(x + 1) (21 x - 1)}$$

Sequence: A170175
Score: 6.93147
Type of gen. func.: ogf

$$\{a(n + 2) - 21 a(n + 1), a(0) = 1, a(1) = 22\}$$

Sequence: A170176
Score: 11.452
Type of gen. func.: ogf

$$-22 f(x) x + f(x) - x - 1$$

Sequence: A170176
Score: 13.8629
Type of gen. func.: ogf

$$-\frac{x + 1}{22 x - 1}$$

Sequence: A170176
Score: 14.3250
Type of gen. func.: revogf

$$- 1/2 - 11 x + \frac{(484 x^2 + 48 x + 1)^{1/2}}{2}$$

Sequence: A170176
Score: 28.6501
Type of gen. func.: lgdogf

$$-\frac{23}{(x + 1) (22 x - 1)}$$

Sequence: A170176
Score: 7.11881
Type of gen. func.: ogf

$$\{a(n + 2) - 22 a(n + 1), a(0) = 1, a(1) = 23\}$$

Sequence: A170177
Score: 11.5123
Type of gen. func.: ogf

$$-23 f(x) x + f(x) - x - 1$$

Sequence: A170177
Score: 13.6441
Type of gen. func.: revogf

$$-\frac{23\,x}{2} - 1/2 + \frac{(529\,x^{2} + 50\,x + 1)^{1/2}}{2}$$

Sequence: A170177
Score: 13.9359
Type of gen. func.: ogf

$$-\frac{x + 1}{23\,x - 1}$$

Sequence: A170177
Score: 28.8041
Type of gen. func.: lgdogf

$$-\frac{24}{(x + 1)\,(23\,x - 1)}$$

Sequence: A170177
Score: 7.15628
Type of gen. func.: ogf

$$\{a(n + 2) - 23\,a(n + 1),\ a(0) = 1,\ a(1) = 24\}$$

Sequence: A170178
Score: 11.6328
Type of gen. func.: ogf

$$-24\,f(x)\,x + f(x) - x - 1$$

Sequence: A170178
Score: 13.4364
Type of gen. func.: revogf

1/2

$$-12 x - 1/2 + \frac{((1 + 16 x) (1 + 36 x))}{2}$$

Sequence: A170178
Score: 14.0818
Type of gen. func.: ogf

$$-\frac{x + 1}{24 x - 1}$$

Sequence: A170178
Score: 29.1122
Type of gen. func.: lgdogf

$$-\frac{25}{(x + 1) (24 x - 1)}$$

Sequence: A170178
Score: 7.23122
Type of gen. func.: ogf

$$\{a(n + 2) - 24 a(n + 1), a(0) = 1, a(1) = 25\}$$

Sequence: A170179
Score: 11.7534
Type of gen. func.: ogf

$$-25 f(x) x + f(x) - x - 1$$

Sequence: A170179
Score: 13.9359
Type of gen. func.: revogf

$$- 1/2 - \frac{25 x}{2} + \frac{(625 x^2 + 54 x + 1)^{1/2}}{2}$$

Sequence: A170179

Score: 14.2278
Type of gen. func.: ogf

$$-\frac{x + 1}{25 x - 1}$$

Sequence: A170179
Score: 29.4203
Type of gen. func.: lgdogf

$$-\frac{26}{(x + 1) (25 x - 1)}$$

Sequence: A170179
Score: 7.30615
Type of gen. func.: ogf

$$\{a(n + 2) - 25 a(n + 1), a(0) = 1, a(1) = 26\}$$

Sequence: A170180
Score: 11.8739
Type of gen. func.: ogf

$$-26 f(x) x + f(x) - x - 1$$

Sequence: A170180
Score: 14.3737
Type of gen. func.: ogf

$$-\frac{x + 1}{26 x - 1}$$

Sequence: A170180
Score: 14.8642
Type of gen. func.: revogf

$$-13 x - 1/2 + \frac{(676 x^2 + 56 x + 1)^{1/2}}{2}$$

Sequence: A170180
Score: 29.7283
Type of gen. func.: lgdogf

$$-\frac{27}{(x + 1) (26 x - 1)}$$

Sequence: A170180
Score: 7.38108
Type of gen. func.: ogf

$$\{a(n + 2) - 26 a(n + 1), a(0) = 1, a(1) = 27\}$$

Sequence: A170181
Score: 12.0547
Type of gen. func.: ogf

$$-27 f(x) x + f(x) - x - 1$$

Sequence: A170181
Score: 14.3007
Type of gen. func.: revogf

$$-\frac{27 x}{2} - 1/2 + \frac{(729 x^2 + 58 x + 1)^{1/2}}{2}$$

Sequence: A170181
Score: 14.5926
Type of gen. func.: ogf

$$-\frac{x + 1}{27 x - 1}$$

Sequence: A170181
Score: 30.1904
Type of gen. func.: lgdogf

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- ------------------
  (x + 1) (27 x - 1)
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Sequence: A170181
Score: 7.49349
Type of gen. func.: ogf

$$\{a(n + 2) - 27 a(n + 1), a(0) = 1, a(1) = 28\}$$

Sequence: A170182
Score: 12.115
Type of gen. func.: ogf

$$-28 f(x) x + f(x) - x - 1$$

Sequence: A170182
Score: 14.6656
Type of gen. func.: ogf

$$-\frac{x + 1}{28 x - 1}$$

Sequence: A170182
Score: 15.1722
Type of gen. func.: revogf

$$-14 x - 1/2 + \frac{(784 x^2 + 60 x + 1)^{1/2}}{2}$$

Sequence: A170182
Score: 30.3445
Type of gen. func.: lgdogf

$$-\frac{29}{(x + 1) (28 x - 1)}$$

Sequence: A170182
Score: 7.53096

Type of gen. func.: ogf

$$\{a(n + 2) - 28 a(n + 1), a(0) = 1, a(1) = 29\}$$

Sequence: A170183
Score: 12.2356
Type of gen. func.: ogf

$$-29 f(x) x + f(x) - x - 1$$

Sequence: A170183
Score: 14.5196
Type of gen. func.: revogf

$$-\frac{29 x}{2} - 1/2 + \frac{(841 x^2 + 62 x + 1)^{1/2}}{2}$$

Sequence: A170183
Score: 14.8115
Type of gen. func.: ogf

$$-\frac{x + 1}{29 x - 1}$$

Sequence: A170183
Score: 30.6525
Type of gen. func.: lgdogf

$$-\frac{30}{(x + 1) (29 x - 1)}$$

Sequence: A170183
Score: 7.60589
Type of gen. func.: ogf

$$\{a(n + 2) - 29 a(n + 1), a(0) = 1, a(1) = 30\}$$

Sequence: A170184
Score: 12.2958
Type of gen. func.: ogf

$$-30 f(x) x + f(x) - x - 1$$

Sequence: A170184
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{30 x - 1}$$

Sequence: A170184
Score: 15.4033
Type of gen. func.: revogf

$$-15 x - 1/2 + \frac{(900 x^2 + 64 x + 1)^{1/2}}{2}$$

Sequence: A170184
Score: 30.8066
Type of gen. func.: lgdogf

$$-\frac{31}{(x + 1) (30 x - 1)}$$

Sequence: A170184
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 30 a(n + 1), a(0) = 1, a(1) = 31\}$$

Sequence: A170185
Score: 12.2958
Type of gen. func.: ogf

$$-31 f(x) x + f(x) - x - 1$$

Sequence: A170185
Score: 14.5926
Type of gen. func.: revogf

$$-\frac{31 x}{2} - 1/2 + \frac{(961 x^{2} + 66 x + 1)^{1/2}}{2}$$

Sequence: A170185
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{31 x - 1}$$

Sequence: A170185
Score: 30.8066
Type of gen. func.: lgdogf

$$-\frac{32}{(x + 1) (31 x - 1)}$$

Sequence: A170185
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 31 a(n + 1), a(0) = 1, a(1) = 32\}$$

Sequence: A170186
Score: 12.7177
Type of gen. func.: ogf

$$-32 f(x) x + f(x) - x - 1$$

Sequence: A170186
Score: 15.3952
Type of gen. func.: ogf

```
  x + 1
- --------
```

$$32 x - 1$$

Sequence: A170186
Score: 15.5115
Type of gen. func.: revogf

$$- 1/2 - 16 x + \frac{(1024 x^2 + 68 x + 1)^{1/2}}{2}$$

Sequence: A170186
Score: 31.8848
Type of gen. func.: lgdogf

$$- \frac{33}{(x + 1) (32 x - 1)}$$

Sequence: A170186
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 32 a(n + 1), a(0) = 1, a(1) = 33\}$$

Sequence: A170187
Score: 12.7177
Type of gen. func.: ogf

$$-33 f(x) x + f(x) - x - 1$$

Sequence: A170187
Score: 14.7161
Type of gen. func.: revogf

$$- 1/2 - \frac{33 x}{2} + \frac{(1089 x^2 + 70 x + 1)^{1/2}}{2}$$

Sequence: A170187
Score: 15.3952

Type of gen. func.: ogf

$$-\frac{x + 1}{33 x - 1}$$

Sequence: A170187
Score: 31.8848
Type of gen. func.: lgdogf

$$-\frac{34}{(x + 1) (33 x - 1)}$$

Sequence: A170187
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 33 a(n + 1), a(0) = 1, a(1) = 34\}$$

Sequence: A170188
Score: 12.7177
Type of gen. func.: ogf

$$-34 f(x) x + f(x) - x - 1$$

Sequence: A170188
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{34 x - 1}$$

Sequence: A170188
Score: 15.5115
Type of gen. func.: revogf

$$- 1/2 - 17 x + \frac{(1156 x^2 + 72 x + 1)^{1/2}}{2}$$

Sequence: A170188
Score: 31.8848
Type of gen. func.: lgdogf

$$-\frac{35}{(x + 1) (34 x - 1)}$$

Sequence: A170188
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 34 a(n + 1), a(0) = 1, a(1) = 35\}$$

Sequence: A170189
Score: 12.8383
Type of gen. func.: ogf

$$-35 f(x) x + f(x) - x - 1$$

Sequence: A170189
Score: 14.1334
Type of gen. func.: revogf

$$-\frac{35 x}{2} - 1/2 + \frac{((1 + 25 x) (1 + 49 x))^{1/2}}{2}$$

Sequence: A170189
Score: 15.5411
Type of gen. func.: ogf

$$-\frac{x + 1}{35 x - 1}$$

Sequence: A170189
Score: 32.1929
Type of gen. func.: lgdogf

$$-\frac{36}{\quad}$$

$$(x + 1) (35 x - 1)$$

Sequence: A170189
Score: 7.98057
Type of gen. func.: ogf

$$\{a(n + 2) - 35 a(n + 1), a(0) = 1, a(1) = 36\}$$

Sequence: A170190
Score: 11.1854
Type of gen. func.: ogf

$$-36 f(x) x + f(x) - x - 1$$

Sequence: A170190
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{36 x - 1}$$

Sequence: A170190
Score: 13.6134
Type of gen. func.: revogf

$$- 1/2 - 18 x + \frac{(1296 x^2 + 76 x + 1)^{1/2}}{2}$$

Sequence: A170190
Score: 27.9832
Type of gen. func.: lgdogf

$$-\frac{37}{(x + 1) (36 x - 1)}$$

Sequence: A170190
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 36 a(n + 1), a(0) = 1, a(1) = 37\}$$

Sequence: A170191
Score: 11.1854
Type of gen. func.: ogf

$$-37 f(x) x + f(x) - x - 1$$

Sequence: A170191
Score: 12.9153
Type of gen. func.: revogf

$$- 1/2 - \frac{37 x}{2} + \frac{(1369 x^2 + 78 x + 1)^{1/2}}{2}$$

Sequence: A170191
Score: 13.5403
Type of gen. func.: ogf

$$- \frac{x + 1}{37 x - 1}$$

Sequence: A170191
Score: 27.9832
Type of gen. func.: lgdogf

$$- \frac{38}{(x + 1) (37 x - 1)}$$

Sequence: A170191
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 37 a(n + 1), a(0) = 1, a(1) = 38\}$$

Sequence: A170192

Score: 11.3032
Type of gen. func.: ogf

$$-38 f(x) x + f(x) - x - 1$$

Sequence: A170192
Score: 13.6828
Type of gen. func.: ogf

$$-\frac{x + 1}{38 x - 1}$$

Sequence: A170192
Score: 13.7598
Type of gen. func.: revogf

$$- 1/2 - 19 x + \frac{(1444 x^2 + 80 x + 1)^{1/2}}{2}$$

Sequence: A170192
Score: 28.2841
Type of gen. func.: lgdogf

$$-\frac{39}{(x + 1) (38 x - 1)}$$

Sequence: A170192
Score: 7.02630
Type of gen. func.: ogf

$$\{a(n + 2) - 38 a(n + 1), a(0) = 1, a(1) = 39\}$$

Sequence: A170193
Score: 11.362
Type of gen. func.: ogf

$$-39 f(x) x + f(x) - x - 1$$

Sequence: A170193
Score: 13.1236
Type of gen. func.: revogf

$$-\frac{39x}{2} - 1/2 + \frac{(1521x^2 + 82x + 1)^{1/2}}{2}$$

Sequence: A170193
Score: 13.7541
Type of gen. func.: ogf

$$-\frac{x + 1}{39x - 1}$$

Sequence: A170193
Score: 28.4345
Type of gen. func.: lgdogf

$$-\frac{40}{(x + 1)(39x - 1)}$$

Sequence: A170193
Score: 7.06289
Type of gen. func.: ogf

$$\{a(n + 2) - 39a(n + 1), a(0) = 1, a(1) = 40\}$$

Sequence: A170194
Score: 11.4798
Type of gen. func.: ogf

$$-40 f(x) x + f(x) - x - 1$$

Sequence: A170194
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{40x - 1}$$

Sequence: A170194
Score: 13.9794
Type of gen. func.: revogf

$$-20 x - 1/2 + \frac{(1600 x^2 + 84 x + 1)^{1/2}}{2}$$

Sequence: A170194
Score: 28.7354
Type of gen. func.: lgdogf

$$- \frac{41}{(x + 1) (40 x - 1)}$$

Sequence: A170194
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 40 a(n + 1), a(0) = 1, a(1) = 41\}$$

Sequence: A170195
Score: 11.4798
Type of gen. func.: ogf

$$-41 f(x) x + f(x) - x - 1$$

Sequence: A170195
Score: 13.2625
Type of gen. func.: revogf

$$- 1/2 - \frac{41 x}{2} + \frac{(1681 x^2 + 86 x + 1)^{1/2}}{2}$$

Sequence: A170195
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x+1}{41x-1}$$

Sequence: A170195
Score: 28.7354
Type of gen. func.: lgdogf

$$-\frac{42}{(x+1)(41x-1)}$$

Sequence: A170195
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n+2) - 41\, a(n+1),\ a(0) = 1,\ a(1) = 42\}$$

Sequence: A170196
Score: 11.5386
Type of gen. func.: ogf

$$-42\, f(x)\, x + f(x) - x - 1$$

Sequence: A170196
Score: 13.9678
Type of gen. func.: ogf

$$-\frac{x+1}{42x-1}$$

Sequence: A170196
Score: 14.0526
Type of gen. func.: revogf

$$-1/2 - 21x + \frac{(1764x^2 + 88x + 1)^{1/2}}{2}$$

Sequence: A170196
Score: 28.8859
Type of gen. func.: lgdogf

$$-\frac{43}{(x+1)(42x-1)}$$

Sequence: A170196
Score: 7.17268
Type of gen. func.: ogf

$$\{a(n+2) - 42\,a(n+1),\ a(0) = 1,\ a(1) = 43\}$$

Sequence: A170197
Score: 11.5975
Type of gen. func.: ogf

$$-43\,f(x)\,x + f(x) - x - 1$$

Sequence: A170197
Score: 13.4014
Type of gen. func.: revogf

$$-1/2 - \frac{43x}{2} + \frac{(1849x^2 + 90x + 1)^{1/2}}{2}$$

Sequence: A170197
Score: 14.0391
Type of gen. func.: ogf

$$-\frac{x+1}{43x-1}$$

Sequence: A170197
Score: 29.0363
Type of gen. func.: lgdogf

$$-\frac{44}{(x+1)(43x-1)}$$

Sequence: A170197
Score: 7.20927
Type of gen. func.: ogf

$$\{a(n + 2) - 43 a(n + 1), a(0) = 1, a(1) = 44\}$$

Sequence: A170198
Score: 11.7153
Type of gen. func.: ogf

$$-44 f(x) x + f(x) - x - 1$$

Sequence: A170198
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{44 x - 1}$$

Sequence: A170198
Score: 14.2722
Type of gen. func.: revogf

$$- 1/2 - 22 x + \frac{(1936 x^2 + 92 x + 1)^{1/2}}{2}$$

Sequence: A170198
Score: 29.3372
Type of gen. func.: lgdogf

$$-\frac{45}{(x + 1) (44 x - 1)}$$

Sequence: A170198
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 44 a(n + 1), a(0) = 1, a(1) = 45\}$$

Sequence: A170199
Score: 11.7153
Type of gen. func.: ogf

$$-45 f(x) x + f(x) - x - 1$$

Sequence: A170199
Score: 13.5403
Type of gen. func.: revogf

$$- 1/2 - \frac{45 x}{2} + \frac{(2025 x^2 + 94 x + 1)^{1/2}}{2}$$

Sequence: A170199
Score: 14.1816
Type of gen. func.: ogf

$$- \frac{x + 1}{45 x - 1}$$

Sequence: A170199
Score: 29.3372
Type of gen. func.: lgdogf

$$- \frac{46}{(x + 1) (45 x - 1)}$$

Sequence: A170199
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 45 a(n + 1), a(0) = 1, a(1) = 46\}$$

Sequence: A170200
Score: 11.7153

Type of gen. func.: ogf

$$-46 f(x) x + f(x) - x - 1$$

Sequence: A170200
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{46 x - 1}$$

Sequence: A170200
Score: 14.2722
Type of gen. func.: revogf

$$- 1/2 - 23 x + \frac{(2116 x^2 + 96 x + 1)^{1/2}}{2}$$

Sequence: A170200
Score: 29.3372
Type of gen. func.: lgdogf

$$-\frac{47}{(x + 1) (46 x - 1)}$$

Sequence: A170200
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 46 a(n + 1), a(0) = 1, a(1) = 47\}$$

Sequence: A170201
Score: 11.9507
Type of gen. func.: ogf

$$-47 f(x) x + f(x) - x - 1$$

Sequence: A170201
Score: 13.8180
Type of gen. func.: revogf

$$- \frac{47 x}{2} - 1/2 + \frac{(2209 x^2 + 98 x + 1)^{1/2}}{2}$$

Sequence: A170201
Score: 14.4667
Type of gen. func.: ogf

$$- \frac{x + 1}{47 x - 1}$$

Sequence: A170201
Score: 29.9390
Type of gen. func.: lgdogf

$$- \frac{48}{(x + 1) (47 x - 1)}$$

Sequence: A170201
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 47 a(n + 1), a(0) = 1, a(1) = 48\}$$

Sequence: A170202
Score: 11.9507
Type of gen. func.: ogf

$$-48 f(x) x + f(x) - x - 1$$

Sequence: A170202
Score: 13.8180
Type of gen. func.: revogf

$$- 1/2 - 24 x + \frac{((1 + 36 x) (64 x + 1))^{1/2}}{2}$$

Sequence: A170202
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{48 x - 1}$$

Sequence: A170202
Score: 29.9390
Type of gen. func.: lgdogf

$$-\frac{49}{(x + 1) (48 x - 1)}$$

Sequence: A170202
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 48 a(n + 1), a(0) = 1, a(1) = 49\}$$

Sequence: A170203
Score: 11.9507
Type of gen. func.: ogf

$$-49 f(x) x + f(x) - x - 1$$

Sequence: A170203
Score: 13.4725
Type of gen. func.: revogf

$$- 1/2 - \frac{49 x}{2} + \frac{(2401 x^2 + 102 x + 1)^{1/2}}{2}$$

Sequence: A170203
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{49 x - 1}$$

Sequence: A170203
Score: 29.9390
Type of gen. func.: lgdogf

$$-\frac{50}{(x + 1) (49 x - 1)}$$

Sequence: A170203
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 49 a(n + 1), a(0) = 1, a(1) = 50\}$$

Sequence: A170204
Score: 15.8654
Type of gen. func.: ogf

$$-2 f(x) x + f(x) - x - 1$$

Sequence: A170204
Score: 19.2957
Type of gen. func.: ogf

$$-\frac{x + 1}{2 x - 1}$$

Sequence: A170204
Score: 23.3360
Type of gen. func.: revogf

$$-x - 1/2 + \frac{(4 x^2 + 8 x + 1)^{1/2}}{2}$$

Sequence: A170204
Score: 43.7550
Type of gen. func.: lgdogf

$$-\frac{3}{(2x-1)(x+1)}$$

Sequence: A170204
Score: 9.91586
Type of gen. func.: ogf

$$\{a(n+2) - 2a(n+1), a(0) = 1, a(1) = 3\}$$

Sequence: A170205
Score: 14.5528
Type of gen. func.: ogf

$$-3 f(x) x + f(x) - x - 1$$

Sequence: A170205
Score: 17.6994
Type of gen. func.: ogf

$$-\frac{x+1}{3x-1}$$

Sequence: A170205
Score: 17.8290
Type of gen. func.: revogf

$$-\frac{3x}{2} - 1/2 + \frac{((x+1)(1+9x))^{1/2}}{2}$$

Sequence: A170205
Score: 37.7556
Type of gen. func.: lgdogf

$$-\frac{4}{(3x-1)(x+1)}$$

Sequence: A170205
Score: 9.09553
Type of gen. func.: ogf

$$\{a(n+2) - 3\,a(n+1),\ a(0) = 1,\ a(1) = 4\}$$

Sequence: A170206
Score: 14.619
Type of gen. func.: ogf

$$-4\,f(x)\,x + f(x) - x - 1$$

Sequence: A170206
Score: 17.7799
Type of gen. func.: ogf

$$-\frac{x+1}{4\,x-1}$$

Sequence: A170206
Score: 18.9748
Type of gen. func.: revogf

$$-2\,x - 1/2 + \frac{(16\,x^2 + 12\,x + 1)^{1/2}}{2}$$

Sequence: A170206
Score: 40.3215
Type of gen. func.: lgdogf

$$-\frac{5}{(x+1)\,(4\,x-1)}$$

Sequence: A170206
Score: 9.13689
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 5\}$$

Sequence: A170207
Score: 13.6693
Type of gen. func.: ogf

$$-5 f(x) x + f(x) - x - 1$$

Sequence: A170207
Score: 16.6248
Type of gen. func.: ogf

$$-\frac{x + 1}{5 x - 1}$$

Sequence: A170207
Score: 16.7431
Type of gen. func.: revogf

$$-1/2 - \frac{5 x}{2} + \frac{(25 x^2 + 14 x + 1)^{1/2}}{2}$$

Sequence: A170207
Score: 37.6720
Type of gen. func.: lgdogf

$$-\frac{6}{(x + 1) (5 x - 1)}$$

Sequence: A170207
Score: 8.54329
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1), a(0) = 1, a(1) = 6\}$$

Sequence: A170208
Score: 13.4636
Type of gen. func.: ogf

$$-6 f(x) x + f(x) - x - 1$$

Sequence: A170208
Score: 16.3746
Type of gen. func.: ogf

$$-\frac{x + 1}{-1 + 6 x}$$

Sequence: A170208
Score: 17.4612
Type of gen. func.: revogf

$$-3 x - 1/2 + \frac{(36 x^2 + 16 x + 1)^{1/2}}{2}$$

Sequence: A170208
Score: 37.1051
Type of gen. func.: lgdogf

$$-\frac{7}{(x + 1) (-1 + 6 x)}$$

Sequence: A170208
Score: 8.41471
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 7\}$$

Sequence: A170209
Score: 12.9815
Type of gen. func.: ogf

$$-7 f(x) x + f(x) - x - 1$$

Sequence: A170209

Score: 15.7883
Type of gen. func.: ogf

$$-\frac{x+1}{7x-1}$$

Sequence: A170209
Score: 15.8940
Type of gen. func.: revogf

$$-1/2-\frac{7x}{2}+\frac{(49x^2+18x+1)^{1/2}}{2}$$

Sequence: A170209
Score: 35.7615
Type of gen. func.: lgdogf

$$-\frac{8}{(x+1)(7x-1)}$$

Sequence: A170209
Score: 8.11343
Type of gen. func.: ogf

$$\{a(n+2)-7a(n+1), a(0)=1, a(1)=8\}$$

Sequence: A170210
Score: 13.6472
Type of gen. func.: ogf

$$-8f(x)x+f(x)-x-1$$

Sequence: A170210
Score: 16.2741
Type of gen. func.: revogf

$$-4x-1/2+\frac{((4x+1)(1+16x))^{1/2}}{2}$$

Sequence: A170210
Score: 16.5980
Type of gen. func.: ogf

$$-\frac{x + 1}{8 x - 1}$$

Sequence: A170210
Score: 37.6339
Type of gen. func.: lgdogf

$$-\frac{9}{(x + 1) (8 x - 1)}$$

Sequence: A170210
Score: 8.52951
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 9\}$$

Sequence: A170211
Score: 12.7592
Type of gen. func.: ogf

$$-9 f(x) x + f(x) - x - 1$$

Sequence: A170211
Score: 15.5180
Type of gen. func.: ogf

$$-\frac{x + 1}{9 x - 1}$$

Sequence: A170211
Score: 15.6219
Type of gen. func.: revogf

2 1/2

$$- 1/2 - \frac{9 x}{2} + \frac{(81 x + 22 x + 1)}{2}$$

Sequence: A170211
Score: 33.0816
Type of gen. func.: lgdogf

$$- \frac{10}{(x + 1) (9 x - 1)}$$

Sequence: A170211
Score: 7.86529
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 10\}$$

Sequence: A170212
Score: 12.0642
Type of gen. func.: ogf

$$-10 f(x) x + f(x) - x - 1$$

Sequence: A170212
Score: 14.6040
Type of gen. func.: ogf

$$- \frac{x + 1}{10 x - 1}$$

Sequence: A170212
Score: 15.5254
Type of gen. func.: revogf

$$-5 x - 1/2 + \frac{(100 x^2 + 24 x + 1)^{1/2}}{2}$$

Sequence: A170212

Score: 30.1883
Type of gen. func.: lgdogf

$$-\frac{11}{(x+1)(10x-1)}$$

Sequence: A170212
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n+2) - 10\, a(n+1), a(0) = 1, a(1) = 11\}$$

Sequence: A170213
Score: 12.0642
Type of gen. func.: ogf

$$-11 f(x) x + f(x) - x - 1$$

Sequence: A170213
Score: 14.2997
Type of gen. func.: revogf

$$-1/2 - \frac{11x}{2} + \frac{(121x^2 + 26x + 1)^{1/2}}{2}$$

Sequence: A170213
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x+1}{11x-1}$$

Sequence: A170213
Score: 30.1883
Type of gen. func.: lgdogf

$$-\frac{12}{(x+1)(11x-1)}$$

Sequence: A170213
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1), a(0) = 1, a(1) = 12\}$$

Sequence: A170214
Score: 10.9017
Type of gen. func.: ogf

$$-12 f(x) x + f(x) - x - 1$$

Sequence: A170214
Score: 13.1968
Type of gen. func.: ogf

$$-\frac{x + 1}{12 x - 1}$$

Sequence: A170214
Score: 14.0042
Type of gen. func.: revogf

$$- 1/2 - 6 x + \frac{(144 x^2 + 28 x + 1)^{1/2}}{2}$$

Sequence: A170214
Score: 27.2303
Type of gen. func.: lgdogf

$$-\frac{13}{(x + 1) (12 x - 1)}$$

Sequence: A170214
Score: 6.77673
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1), a(0) = 1, a(1) = 13\}$$

Sequence: A170215
Score: 11.1481
Type of gen. func.: ogf

$$-13 f(x) x + f(x) - x - 1$$

Sequence: A170215
Score: 13.1968
Type of gen. func.: revogf

$$- 1/2 - \frac{13 x}{2} + \frac{(169 x^2 + 30 x + 1)^{1/2}}{2}$$

Sequence: A170215
Score: 13.4950
Type of gen. func.: ogf

$$- \frac{x + 1}{13 x - 1}$$

Sequence: A170215
Score: 27.8599
Type of gen. func.: lgdogf

$$- \frac{14}{(x + 1) (13 x - 1)}$$

Sequence: A170215
Score: 6.92988
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1), a(0) = 1, a(1) = 14\}$$

Sequence: A170216
Score: 11.456
Type of gen. func.: ogf

$$-14 f(x) x + f(x) - x - 1$$

Sequence: A170216
Score: 13.8678
Type of gen. func.: ogf

$$-\frac{x + 1}{14 x - 1}$$

Sequence: A170216
Score: 14.7327
Type of gen. func.: revogf

$$- 1/2 - 7 x + \frac{(196 x^2 + 32 x + 1)^{1/2}}{2}$$

Sequence: A170216
Score: 28.6469
Type of gen. func.: lgdogf

$$-\frac{15}{(x + 1) (14 x - 1)}$$

Sequence: A170216
Score: 7.12131
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1), a(0) = 1, a(1) = 15\}$$

Sequence: A170217
Score: 11.6408
Type of gen. func.: ogf

$$-15 f(x) x + f(x) - x - 1$$

Sequence: A170217
Score: 13.1036

Type of gen. func.: revogf

$$-\frac{1}{2}-\frac{15x}{2}+\frac{((1+9x)(1+25x))^{1/2}}{2}$$

Sequence: A170217
Score: 14.0915
Type of gen. func.: ogf

$$-\frac{x+1}{15x-1}$$

Sequence: A170217
Score: 29.1191
Type of gen. func.: lgdogf

$$-\frac{16}{(x+1)(15x-1)}$$

Sequence: A170217
Score: 7.23618
Type of gen. func.: ogf

$$\{a(n+2)-15a(n+1), a(0)=1, a(1)=16\}$$

Sequence: A170218
Score: 11.9488
Type of gen. func.: ogf

$$-16f(x)x+f(x)-x-1$$

Sequence: A170218
Score: 14.4643
Type of gen. func.: ogf

$$-\frac{x+1}{16x-1}$$

Sequence: A170218
Score: 15.3803
Type of gen. func.: revogf

$$- 1/2 - 8 x + \frac{(256 x^2 + 36 x + 1)^{1/2}}{2}$$

Sequence: A170218
Score: 29.9061
Type of gen. func.: lgdogf

$$- \frac{17}{(x + 1) (16 x - 1)}$$

Sequence: A170218
Score: 7.42761
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 17\}$$

Sequence: A170219
Score: 12.1335
Type of gen. func.: ogf

$$-17 f(x) x + f(x) - x - 1$$

Sequence: A170219
Score: 14.3897
Type of gen. func.: revogf

$$- 1/2 - \frac{17 x}{2} + \frac{(289 x^2 + 38 x + 1)^{1/2}}{2}$$

Sequence: A170219
Score: 14.6879
Type of gen. func.: ogf

x + 1

$$- \frac{}{17 x - 1}$$

Sequence: A170219
Score: 30.3783
Type of gen. func.: lgdogf

$$- \frac{18}{(x + 1) (17 x - 1)}$$

Sequence: A170219
Score: 7.54246
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1), a(0) = 1, a(1) = 18\}$$

Sequence: A170220
Score: 10.789
Type of gen. func.: ogf

$$-18 f(x) x + f(x) - x - 1$$

Sequence: A170220
Score: 13.0604
Type of gen. func.: ogf

$$- \frac{x + 1}{18 x - 1}$$

Sequence: A170220
Score: 13.8630
Type of gen. func.: revogf

$$- 1/2 - 9 x + \frac{(324 x^2 + 40 x + 1)^{1/2}}{2}$$

Sequence: A170220
Score: 26.9557

Type of gen. func.: lgdogf

$$-\frac{19}{(x+1)(18x-1)}$$

Sequence: A170220
Score: 6.70668
Type of gen. func.: ogf

$$\{a(n+2) - 18\, a(n+1),\ a(0) = 1,\ a(1) = 19\}$$

Sequence: A170221
Score: 10.9095
Type of gen. func.: ogf

$$-19 f(x) x + f(x) - x - 1$$

Sequence: A170221
Score: 12.9144
Type of gen. func.: revogf

$$-1/2 - \frac{19x}{2} + \frac{(361x^2 + 42x + 1)^{1/2}}{2}$$

Sequence: A170221
Score: 13.2063
Type of gen. func.: ogf

$$-\frac{x+1}{19x-1}$$

Sequence: A170221
Score: 27.2638
Type of gen. func.: lgdogf

$$-\frac{20}{(x+1)(19x-1)}$$

Sequence: A170221
Score: 6.78161
Type of gen. func.: ogf

$$\{a(n+2) - 19\, a(n+1),\ a(0) = 1,\ a(1) = 20\}$$

Sequence: A170222
Score: 11.0904
Type of gen. func.: ogf

$$-20\, f(x)\, x + f(x) - x - 1$$

Sequence: A170222
Score: 13.4252
Type of gen. func.: ogf

$$-\frac{x + 1}{20\, x - 1}$$

Sequence: A170222
Score: 13.8630
Type of gen. func.: revogf

$$-1/2 - 10\, x + \frac{(400\, x^2 + 44\, x + 1)^{1/2}}{2}$$

Sequence: A170222
Score: 26.2666
Type of gen. func.: lgdogf

$$-\frac{21}{(x + 1)\, (20\, x - 1)}$$

Sequence: A170222
Score: 6.89401
Type of gen. func.: ogf

$$\{a(n+2) - 20\, a(n+1),\ a(0) = 1,\ a(1) = 21\}$$

Sequence: A170223
Score: 11.1506
Type of gen. func.: ogf

$$-21 f(x) x + f(x) - x - 1$$

Sequence: A170223
Score: 13.2063
Type of gen. func.: revogf

$$- 1/2 - \frac{21 x}{2} + \frac{(441 x^2 + 46 x + 1)^{1/2}}{2}$$

Sequence: A170223
Score: 13.4981
Type of gen. func.: ogf

$$- \frac{x + 1}{21 x - 1}$$

Sequence: A170223
Score: 27.8799
Type of gen. func.: lgdogf

$$- \frac{22}{(x + 1) (21 x - 1)}$$

Sequence: A170223
Score: 6.93147
Type of gen. func.: ogf

$$\{a(n + 2) - 21 a(n + 1), a(0) = 1, a(1) = 22\}$$

Sequence: A170224
Score: 11.452
Type of gen. func.: ogf

$$-22 f(x) x + f(x) - x - 1$$

Sequence: A170224
Score: 13.8629
Type of gen. func.: ogf

$$-\frac{x + 1}{22 x - 1}$$

Sequence: A170224
Score: 14.3250
Type of gen. func.: revogf

$$- 1/2 - 11 x + \frac{(484 x^2 + 48 x + 1)^{1/2}}{2}$$

Sequence: A170224
Score: 28.6501
Type of gen. func.: lgdogf

$$-\frac{23}{(x + 1) (22 x - 1)}$$

Sequence: A170224
Score: 7.11881
Type of gen. func.: ogf

$$\{a(n + 2) - 22 a(n + 1), a(0) = 1, a(1) = 23\}$$

Sequence: A170225
Score: 11.5123
Type of gen. func.: ogf

$$-23 f(x) x + f(x) - x - 1$$

Sequence: A170225
Score: 13.6441
Type of gen. func.: revogf

$$-\frac{23\,x}{2} - 1/2 + \frac{(529\,x^2 + 50\,x + 1)^{1/2}}{2}$$

Sequence: A170225
Score: 13.9359
Type of gen. func.: ogf

$$-\frac{x + 1}{23\,x - 1}$$

Sequence: A170225
Score: 28.8041
Type of gen. func.: lgdogf

$$-\frac{24}{(x + 1)\,(23\,x - 1)}$$

Sequence: A170225
Score: 7.15628
Type of gen. func.: ogf

$$\{a(n + 2) - 23\,a(n + 1),\ a(0) = 1,\ a(1) = 24\}$$

Sequence: A170226
Score: 11.6328
Type of gen. func.: ogf

$$-24\,f(x)\,x + f(x) - x - 1$$

Sequence: A170226
Score: 13.4364
Type of gen. func.: revogf

$$-12\,x - 1/2 + \frac{((1 + 16\,x)\,(1 + 36\,x))^{1/2}}{2}$$

Sequence: A170226
Score: 14.0818
Type of gen. func.: ogf

$$-\frac{x + 1}{24 x - 1}$$

Sequence: A170226
Score: 29.1122
Type of gen. func.: lgdogf

$$-\frac{25}{(x + 1) (24 x - 1)}$$

Sequence: A170226
Score: 7.23122
Type of gen. func.: ogf

$$\{a(n + 2) - 24 a(n + 1), a(0) = 1, a(1) = 25\}$$

Sequence: A170227
Score: 11.7534
Type of gen. func.: ogf

$$-25 f(x) x + f(x) - x - 1$$

Sequence: A170227
Score: 13.9359
Type of gen. func.: revogf

$$- 1/2 - \frac{25 x}{2} + \frac{(625 x^2 + 54 x + 1)^{1/2}}{2}$$

Sequence: A170227
Score: 14.2278
Type of gen. func.: ogf

$$-\frac{x + 1}{}$$

$$25 x - 1$$

Sequence: A170227
Score: 29.4203
Type of gen. func.: lgdogf

$$- \frac{26}{(x + 1) (25 x - 1)}$$

Sequence: A170227
Score: 7.30615
Type of gen. func.: ogf

$$\{a(n + 2) - 25 a(n + 1), a(0) = 1, a(1) = 26\}$$

Sequence: A170228
Score: 11.8739
Type of gen. func.: ogf

$$-26 f(x) x + f(x) - x - 1$$

Sequence: A170228
Score: 14.3737
Type of gen. func.: ogf

$$- \frac{x + 1}{26 x - 1}$$

Sequence: A170228
Score: 14.8642
Type of gen. func.: revogf

$$-13 x - 1/2 + \frac{(676 x^2 + 56 x + 1)^{1/2}}{2}$$

Sequence: A170228
Score: 29.7283
Type of gen. func.: lgdogf

$$-\frac{27}{(x+1)(26x-1)}$$

Sequence: A170228
Score: 7.38108
Type of gen. func.: ogf

$$\{a(n+2) - 26\,a(n+1),\ a(0) = 1,\ a(1) = 27\}$$

Sequence: A170229
Score: 12.0547
Type of gen. func.: ogf

$$-27 f(x)\,x + f(x) - x - 1$$

Sequence: A170229
Score: 14.3007
Type of gen. func.: revogf

$$-\frac{27x}{2} - 1/2 + \frac{(729x^2 + 58x + 1)^{1/2}}{2}$$

Sequence: A170229
Score: 14.5926
Type of gen. func.: ogf

$$-\frac{x+1}{27x-1}$$

Sequence: A170229
Score: 30.1904
Type of gen. func.: lgdogf

$$-\frac{28}{(x+1)(27x-1)}$$

Sequence: A170229
Score: 7.49349
Type of gen. func.: ogf

$$\{a(n + 2) - 27 a(n + 1), a(0) = 1, a(1) = 28\}$$

Sequence: A170230
Score: 12.115
Type of gen. func.: ogf

$$-28 f(x) x + f(x) - x - 1$$

Sequence: A170230
Score: 14.6656
Type of gen. func.: ogf

$$-\frac{x + 1}{28 x - 1}$$

Sequence: A170230
Score: 15.1722
Type of gen. func.: revogf

$$-14 x - 1/2 + \frac{(784 x^2 + 60 x + 1)^{1/2}}{2}$$

Sequence: A170230
Score: 30.3445
Type of gen. func.: lgdogf

$$-\frac{29}{(x + 1) (28 x - 1)}$$

Sequence: A170230
Score: 7.53096
Type of gen. func.: ogf

$$\{a(n + 2) - 28 a(n + 1), a(0) = 1, a(1) = 29\}$$

Sequence: A170231
Score: 12.2356
Type of gen. func.: ogf

$$-29 f(x) x + f(x) - x - 1$$

Sequence: A170231
Score: 14.5196
Type of gen. func.: revogf

$$-\frac{29 x}{2} - 1/2 + \frac{(841 x^2 + 62 x + 1)^{1/2}}{2}$$

Sequence: A170231
Score: 14.8115
Type of gen. func.: ogf

$$-\frac{x + 1}{29 x - 1}$$

Sequence: A170231
Score: 30.6525
Type of gen. func.: lgdogf

$$-\frac{30}{(x + 1) (29 x - 1)}$$

Sequence: A170231
Score: 7.60589
Type of gen. func.: ogf

$$\{a(n + 2) - 29 a(n + 1), a(0) = 1, a(1) = 30\}$$

Sequence: A170232
Score: 12.2958
Type of gen. func.: ogf

$$-30 f(x) x + f(x) - x - 1$$

Sequence: A170232
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x+1}{30x-1}$$

Sequence: A170232
Score: 15.4033
Type of gen. func.: revogf

$$-15x-1/2+\frac{(900x^2+64x+1)^{1/2}}{2}$$

Sequence: A170232
Score: 30.8066
Type of gen. func.: lgdogf

$$-\frac{31}{(x+1)(30x-1)}$$

Sequence: A170232
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n+2)-30a(n+1), a(0)=1, a(1)=31\}$$

Sequence: A170233
Score: 12.2958
Type of gen. func.: ogf

$$-31f(x)x+f(x)-x-1$$

Sequence: A170233
Score: 14.5926
Type of gen. func.: revogf

$$- \frac{31 x}{2} - 1/2 + \frac{(961 x^2 + 66 x + 1)^{1/2}}{2}$$

Sequence: A170233
Score: 14.8844
Type of gen. func.: ogf

$$- \frac{x + 1}{31 x - 1}$$

Sequence: A170233
Score: 30.8066
Type of gen. func.: lgdogf

$$- \frac{32}{(x + 1) (31 x - 1)}$$

Sequence: A170233
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 31 a(n + 1), a(0) = 1, a(1) = 32\}$$

Sequence: A170234
Score: 12.7177
Type of gen. func.: ogf

$$-32 f(x) x + f(x) - x - 1$$

Sequence: A170234
Score: 15.3952
Type of gen. func.: ogf

$$- \frac{x + 1}{32 x - 1}$$

Sequence: A170234
Score: 15.5115
Type of gen. func.: revogf

$$- 1/2 - 16 x + \frac{(1024 x^2 + 68 x + 1)^{1/2}}{2}$$

Sequence: A170234
Score: 31.8848
Type of gen. func.: lgdogf

$$- \frac{33}{(x + 1) (32 x - 1)}$$

Sequence: A170234
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 32 a(n + 1), a(0) = 1, a(1) = 33\}$$

Sequence: A170235
Score: 12.7177
Type of gen. func.: ogf

$$-33 f(x) x + f(x) - x - 1$$

Sequence: A170235
Score: 14.7161
Type of gen. func.: revogf

$$- 1/2 - \frac{33 x}{2} + \frac{(1089 x^2 + 70 x + 1)^{1/2}}{2}$$

Sequence: A170235
Score: 15.3952
Type of gen. func.: ogf

$$- \frac{x + 1}{33 x - 1}$$

Sequence: A170235
Score: 31.8848
Type of gen. func.: lgdogf

$$-\frac{34}{(x + 1) (33 x - 1)}$$

Sequence: A170235
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 33 a(n + 1), a(0) = 1, a(1) = 34\}$$

Sequence: A170236
Score: 12.7177
Type of gen. func.: ogf

$$-34 f(x) x + f(x) - x - 1$$

Sequence: A170236
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{34 x - 1}$$

Sequence: A170236
Score: 15.5115
Type of gen. func.: revogf

$$-1/2 - 17 x + \frac{(1156 x^2 + 72 x + 1)^{1/2}}{2}$$

Sequence: A170236
Score: 31.8848
Type of gen. func.: lgdogf

$$-\frac{35}{(x+1)(34x-1)}$$

Sequence: A170236
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n+2) - 34\,a(n+1),\ a(0) = 1,\ a(1) = 35\}$$

Sequence: A170237
Score: 12.8383
Type of gen. func.: ogf

$$-35 f(x) x + f(x) - x - 1$$

Sequence: A170237
Score: 14.1334
Type of gen. func.: revogf

$$-\frac{35x}{2} - 1/2 + \frac{((1+25x)(1+49x))^{1/2}}{2}$$

Sequence: A170237
Score: 15.5411
Type of gen. func.: ogf

$$-\frac{x+1}{35x-1}$$

Sequence: A170237
Score: 32.1929
Type of gen. func.: lgdogf

$$-\frac{36}{(x+1)(35x-1)}$$

Sequence: A170237
Score: 7.98057
Type of gen. func.: ogf

$$\{a(n + 2) - 35 a(n + 1), a(0) = 1, a(1) = 36\}$$

Sequence: A170238
Score: 11.1854
Type of gen. func.: ogf

$$-36 f(x) x + f(x) - x - 1$$

Sequence: A170238
Score: 13.5403
Type of gen. func.: ogf

$$- \frac{x + 1}{36 x - 1}$$

Sequence: A170238
Score: 13.6134
Type of gen. func.: revogf

$$- 1/2 - 18 x + \frac{(1296 x^2 + 76 x + 1)^{1/2}}{2}$$

Sequence: A170238
Score: 27.9832
Type of gen. func.: lgdogf

$$- \frac{37}{(x + 1) (36 x - 1)}$$

Sequence: A170238
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 36 a(n + 1), a(0) = 1, a(1) = 37\}$$

Sequence: A170239
Score: 11.1854
Type of gen. func.: ogf

$$-37 f(x) x + f(x) - x - 1$$

Sequence: A170239
Score: 12.9153
Type of gen. func.: revogf

$$- 1/2 - \frac{37 x}{2} + \frac{(1369 x^2 + 78 x + 1)^{1/2}}{2}$$

Sequence: A170239
Score: 13.5403
Type of gen. func.: ogf

$$- \frac{x + 1}{37 x - 1}$$

Sequence: A170239
Score: 27.9832
Type of gen. func.: lgdogf

$$- \frac{38}{(x + 1) (37 x - 1)}$$

Sequence: A170239
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 37 a(n + 1), a(0) = 1, a(1) = 38\}$$

Sequence: A170240
Score: 11.3032
Type of gen. func.: ogf

$$-38 f(x) x + f(x) - x - 1$$

Sequence: A170240
Score: 13.6828
Type of gen. func.: ogf

$$-\frac{x+1}{38x-1}$$

Sequence: A170240
Score: 13.7598
Type of gen. func.: revogf

$$-1/2 - 19x + \frac{(1444x^2 + 80x + 1)^{1/2}}{2}$$

Sequence: A170240
Score: 28.2841
Type of gen. func.: lgdogf

$$-\frac{39}{(x+1)(38x-1)}$$

Sequence: A170240
Score: 7.02630
Type of gen. func.: ogf

$$\{a(n+2) - 38a(n+1), a(0) = 1, a(1) = 39\}$$

Sequence: A170241
Score: 11.362
Type of gen. func.: ogf

$$-39 f(x) x + f(x) - x - 1$$

Sequence: A170241
Score: 13.1236
Type of gen. func.: revogf

$$- \frac{39 x}{2} - 1/2 + \frac{(1521 x^2 + 82 x + 1)^{1/2}}{2}$$

Sequence: A170241
Score: 13.7541
Type of gen. func.: ogf

$$- \frac{x + 1}{39 x - 1}$$

Sequence: A170241
Score: 28.4345
Type of gen. func.: lgdogf

$$- \frac{40}{(x + 1) (39 x - 1)}$$

Sequence: A170241
Score: 7.06289
Type of gen. func.: ogf

$$\{a(n + 2) - 39 a(n + 1), a(0) = 1, a(1) = 40\}$$

Sequence: A170242
Score: 11.4798
Type of gen. func.: ogf

$$-40 f(x) x + f(x) - x - 1$$

Sequence: A170242
Score: 13.8966
Type of gen. func.: ogf

$$- \frac{x + 1}{40 x - 1}$$

Sequence: A170242

Score: 13.9794
Type of gen. func.: revogf

$$-20 x - 1/2 + \frac{(1600 x^2 + 84 x + 1)^{1/2}}{2}$$

Sequence: A170242
Score: 28.7354
Type of gen. func.: lgdogf

$$-\frac{41}{(x + 1) (40 x - 1)}$$

Sequence: A170242
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 40 a(n + 1), a(0) = 1, a(1) = 41\}$$

Sequence: A170243
Score: 11.4798
Type of gen. func.: ogf

$$-41 f(x) x + f(x) - x - 1$$

Sequence: A170243
Score: 13.2625
Type of gen. func.: revogf

$$- 1/2 - \frac{41 x}{2} + \frac{(1681 x^2 + 86 x + 1)^{1/2}}{2}$$

Sequence: A170243
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{41 x - 1}$$

Sequence: A170243
Score: 28.7354
Type of gen. func.: lgdogf

$$- \frac{42}{(x + 1) (41 x - 1)}$$

Sequence: A170243
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 41 a(n + 1), a(0) = 1, a(1) = 42\}$$

Sequence: A170244
Score: 11.5386
Type of gen. func.: ogf

$$-42 f(x) x + f(x) - x - 1$$

Sequence: A170244
Score: 13.9678
Type of gen. func.: ogf

$$- \frac{x + 1}{42 x - 1}$$

Sequence: A170244
Score: 14.0526
Type of gen. func.: revogf

$$- 1/2 - 21 x + \frac{(1764 x^2 + 88 x + 1)^{1/2}}{2}$$

Sequence: A170244
Score: 28.8859
Type of gen. func.: lgdogf

$$-\frac{43}{(x+1)(42x-1)}$$

Sequence: A170244
Score: 7.17268
Type of gen. func.: ogf

$$\{a(n+2) - 42\, a(n+1),\ a(0) = 1,\ a(1) = 43\}$$

Sequence: A170245
Score: 11.5975
Type of gen. func.: ogf

$$-43 f(x) x + f(x) - x - 1$$

Sequence: A170245
Score: 13.4014
Type of gen. func.: revogf

$$-1/2 - \frac{43 x}{2} + \frac{(1849 x^2 + 90 x + 1)^{1/2}}{2}$$

Sequence: A170245
Score: 14.0391
Type of gen. func.: ogf

$$-\frac{x+1}{43x-1}$$

Sequence: A170245
Score: 29.0363
Type of gen. func.: lgdogf

$$-\frac{44}{(x+1)(43x-1)}$$

Sequence: A170245

Score: 7.20927
Type of gen. func.: ogf

$$\{a(n + 2) - 43 a(n + 1), a(0) = 1, a(1) = 44\}$$

Sequence: A170246
Score: 11.7153
Type of gen. func.: ogf

$$-44 f(x) x + f(x) - x - 1$$

Sequence: A170246
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{44 x - 1}$$

Sequence: A170246
Score: 14.2722
Type of gen. func.: revogf

$$-1/2 - 22 x + \frac{(1936 x^2 + 92 x + 1)^{1/2}}{2}$$

Sequence: A170246
Score: 29.3372
Type of gen. func.: lgdogf

$$-\frac{45}{(x + 1) (44 x - 1)}$$

Sequence: A170246
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 44 a(n + 1), a(0) = 1, a(1) = 45\}$$

Sequence: A170247
Score: 11.7153
Type of gen. func.: ogf

$$-45 f(x) x + f(x) - x - 1$$

Sequence: A170247
Score: 13.5403
Type of gen. func.: revogf

$$- 1/2 - \frac{45 x}{2} + \frac{(2025 x^2 + 94 x + 1)^{1/2}}{2}$$

Sequence: A170247
Score: 14.1816
Type of gen. func.: ogf

$$- \frac{x + 1}{45 x - 1}$$

Sequence: A170247
Score: 29.3372
Type of gen. func.: lgdogf

$$- \frac{46}{(x + 1) (45 x - 1)}$$

Sequence: A170247
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 45 a(n + 1), a(0) = 1, a(1) = 46\}$$

Sequence: A170248
Score: 11.7153
Type of gen. func.: ogf

$$-46 f(x) x + f(x) - x - 1$$

Sequence: A170248
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{46 x - 1}$$

Sequence: A170248
Score: 14.2722
Type of gen. func.: revogf

$$- 1/2 - 23 x + \frac{(2116 x^2 + 96 x + 1)^{1/2}}{2}$$

Sequence: A170248
Score: 29.3372
Type of gen. func.: lgdogf

$$-\frac{47}{(x + 1) (46 x - 1)}$$

Sequence: A170248
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 46 a(n + 1), a(0) = 1, a(1) = 47\}$$

Sequence: A170249
Score: 11.9507
Type of gen. func.: ogf

$$-47 f(x) x + f(x) - x - 1$$

Sequence: A170249
Score: 13.8180
Type of gen. func.: revogf

2   1/2

$$- \frac{47 x}{2} - 1/2 + \frac{(2209 x + 98 x + 1)}{2}$$

Sequence: A170249
Score: 14.4667
Type of gen. func.: ogf

$$- \frac{x + 1}{47 x - 1}$$

Sequence: A170249
Score: 29.9390
Type of gen. func.: lgdogf

$$- \frac{48}{(x + 1) (47 x - 1)}$$

Sequence: A170249
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 47 a(n + 1), a(0) = 1, a(1) = 48\}$$

Sequence: A170250
Score: 11.9507
Type of gen. func.: ogf

$$-48 f(x) x + f(x) - x - 1$$

Sequence: A170250
Score: 13.8180
Type of gen. func.: revogf

$$- 1/2 - 24 x + \frac{((1 + 36 x) (64 x + 1))^{1/2}}{2}$$

Sequence: A170250

Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{48 x - 1}$$

Sequence: A170250
Score: 29.9390
Type of gen. func.: lgdogf

$$-\frac{49}{(x + 1) (48 x - 1)}$$

Sequence: A170250
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 48 a(n + 1), a(0) = 1, a(1) = 49\}$$

Sequence: A170251
Score: 11.9507
Type of gen. func.: ogf

$$-49 f(x) x + f(x) - x - 1$$

Sequence: A170251
Score: 13.4725
Type of gen. func.: revogf

$$- 1/2 - \frac{49 x}{2} + \frac{(2401 x^2 + 102 x + 1)^{1/2}}{2}$$

Sequence: A170251
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{49 x - 1}$$

Sequence: A170251
Score: 29.9390
Type of gen. func.: lgdogf

$$-\frac{50}{(x + 1) (49 x - 1)}$$

Sequence: A170251
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 49 a(n + 1), a(0) = 1, a(1) = 50\}$$

Sequence: A170252
Score: 15.8654
Type of gen. func.: ogf

$$-2 f(x) x + f(x) - x - 1$$

Sequence: A170252
Score: 19.2957
Type of gen. func.: ogf

$$-\frac{x + 1}{2 x - 1}$$

Sequence: A170252
Score: 23.3360
Type of gen. func.: revogf

$$-x - 1/2 + \frac{(4 x^2 + 8 x + 1)^{1/2}}{2}$$

Sequence: A170252
Score: 43.7550
Type of gen. func.: lgdogf

3

$$- \frac{}{(2 x - 1) (x + 1)}$$

Sequence: A170252
Score: 9.91586
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 3\}$$

Sequence: A170253
Score: 14.5528
Type of gen. func.: ogf

$$-3 f(x) x + f(x) - x - 1$$

Sequence: A170253
Score: 17.6994
Type of gen. func.: ogf

$$- \frac{x + 1}{3 x - 1}$$

Sequence: A170253
Score: 17.8290
Type of gen. func.: revogf

$$- \frac{3 x}{2} - 1/2 + \frac{((x + 1) (1 + 9 x))^{1/2}}{2}$$

Sequence: A170253
Score: 37.7556
Type of gen. func.: lgdogf

$$- \frac{4}{(3 x - 1) (x + 1)}$$

Sequence: A170253
Score: 9.09553

Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 4\}$$

Sequence: A170254
Score: 14.619
Type of gen. func.: ogf

$$-4 f(x) x + f(x) - x - 1$$

Sequence: A170254
Score: 17.7799
Type of gen. func.: ogf

$$-\frac{x + 1}{4 x - 1}$$

Sequence: A170254
Score: 18.9748
Type of gen. func.: revogf

$$-2 x - 1/2 + \frac{(16 x^2 + 12 x + 1)^{1/2}}{2}$$

Sequence: A170254
Score: 40.3215
Type of gen. func.: lgdogf

$$-\frac{5}{(x + 1) (4 x - 1)}$$

Sequence: A170254
Score: 9.13689
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 5\}$$

Sequence: A170255
Score: 13.6693
Type of gen. func.: ogf

$$-5 f(x) x + f(x) - x - 1$$

Sequence: A170255
Score: 16.6248
Type of gen. func.: ogf

$$-\frac{x + 1}{5 x - 1}$$

Sequence: A170255
Score: 16.7431
Type of gen. func.: revogf

$$-1/2 - \frac{5 x}{2} + \frac{(25 x^2 + 14 x + 1)^{1/2}}{2}$$

Sequence: A170255
Score: 37.6720
Type of gen. func.: lgdogf

$$-\frac{6}{(x + 1) (5 x - 1)}$$

Sequence: A170255
Score: 8.54329
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1), a(0) = 1, a(1) = 6\}$$

Sequence: A170256
Score: 13.4636
Type of gen. func.: ogf

$$-6 f(x) x + f(x) - x - 1$$

Sequence: A170256
Score: 16.3746
Type of gen. func.: ogf

$$-\frac{x + 1}{-1 + 6 x}$$

Sequence: A170256
Score: 17.4612
Type of gen. func.: revogf

$$-3 x - 1/2 + \frac{(36 x^2 + 16 x + 1)^{1/2}}{2}$$

Sequence: A170256
Score: 37.1051
Type of gen. func.: lgdogf

$$-\frac{7}{(x + 1) (-1 + 6 x)}$$

Sequence: A170256
Score: 8.41471
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 7\}$$

Sequence: A170257
Score: 12.9815
Type of gen. func.: ogf

$$-7 f(x) x + f(x) - x - 1$$

Sequence: A170257
Score: 15.7883
Type of gen. func.: ogf

$$-\frac{x + 1}{}$$

$$7 x - 1$$

Sequence: A170257
Score: 15.8940
Type of gen. func.: revogf

$$- 1/2 - \frac{7 x}{2} + \frac{(49 x^2 + 18 x + 1)^{1/2}}{2}$$

Sequence: A170257
Score: 35.7615
Type of gen. func.: lgdogf

$$- \frac{8}{(x + 1) (7 x - 1)}$$

Sequence: A170257
Score: 8.11343
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1), a(0) = 1, a(1) = 8\}$$

Sequence: A170258
Score: 13.6472
Type of gen. func.: ogf

$$-8 f(x) x + f(x) - x - 1$$

Sequence: A170258
Score: 16.2741
Type of gen. func.: revogf

$$-4 x - 1/2 + \frac{((4 x + 1) (1 + 16 x))^{1/2}}{2}$$

Sequence: A170258
Score: 16.5980

Type of gen. func.: ogf

$$-\frac{x + 1}{8 x - 1}$$

Sequence: A170258
Score: 37.6339
Type of gen. func.: lgdogf

$$-\frac{9}{(x + 1) (8 x - 1)}$$

Sequence: A170258
Score: 8.52951
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 9\}$$

Sequence: A170259
Score: 12.7592
Type of gen. func.: ogf

$$-9 f(x) x + f(x) - x - 1$$

Sequence: A170259
Score: 15.5180
Type of gen. func.: ogf

$$-\frac{x + 1}{9 x - 1}$$

Sequence: A170259
Score: 15.6219
Type of gen. func.: revogf

$$- 1/2 - \frac{9 x}{2} + \frac{(81 x^2 + 22 x + 1)^{1/2}}{2}$$

Sequence: A170259
Score: 33.0816
Type of gen. func.: lgdogf

$$-\frac{10}{(x+1)(9x-1)}$$

Sequence: A170259
Score: 7.86529
Type of gen. func.: ogf

$$\{a(n+2) - 9\,a(n+1),\ a(0) = 1,\ a(1) = 10\}$$

Sequence: A170260
Score: 12.0642
Type of gen. func.: ogf

$$-10\,f(x)\,x + f(x) - x - 1$$

Sequence: A170260
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x+1}{10x-1}$$

Sequence: A170260
Score: 15.5254
Type of gen. func.: revogf

$$-5x - 1/2 + \frac{(100x^2 + 24x + 1)^{1/2}}{2}$$

Sequence: A170260
Score: 30.1883
Type of gen. func.: lgdogf

$$-\frac{11}{}$$

$$(x + 1) (10 x - 1)$$

Sequence: A170260
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 11\}$$

Sequence: A170261
Score: 12.0642
Type of gen. func.: ogf

$$-11 f(x) x + f(x) - x - 1$$

Sequence: A170261
Score: 14.2997
Type of gen. func.: revogf

$$- 1/2 - \frac{11 x}{2} + \frac{(121 x^2 + 26 x + 1)^{1/2}}{2}$$

Sequence: A170261
Score: 14.6040
Type of gen. func.: ogf

$$- \frac{x + 1}{11 x - 1}$$

Sequence: A170261
Score: 30.1883
Type of gen. func.: lgdogf

$$- \frac{12}{(x + 1) (11 x - 1)}$$

Sequence: A170261
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n+2) - 11\,a(n+1),\ a(0) = 1,\ a(1) = 12\}$$

Sequence: A170262
Score: 10.9017
Type of gen. func.: ogf

$$-12\,f(x)\,x + f(x) - x - 1$$

Sequence: A170262
Score: 13.1968
Type of gen. func.: ogf

$$-\frac{x+1}{12\,x-1}$$

Sequence: A170262
Score: 14.0042
Type of gen. func.: revogf

$$-1/2 - 6\,x + \frac{(144\,x^2 + 28\,x + 1)^{1/2}}{2}$$

Sequence: A170262
Score: 27.2303
Type of gen. func.: lgdogf

$$-\frac{13}{(x+1)\,(12\,x-1)}$$

Sequence: A170262
Score: 6.77673
Type of gen. func.: ogf

$$\{a(n+2) - 12\,a(n+1),\ a(0) = 1,\ a(1) = 13\}$$

Sequence: A170263

Score: 11.1481
Type of gen. func.: ogf

$$-13 f(x) x + f(x) - x - 1$$

Sequence: A170263
Score: 13.1968
Type of gen. func.: revogf

$$- 1/2 - \frac{13 x}{2} + \frac{(169 x^2 + 30 x + 1)^{1/2}}{2}$$

Sequence: A170263
Score: 13.4950
Type of gen. func.: ogf

$$- \frac{x + 1}{13 x - 1}$$

Sequence: A170263
Score: 27.8599
Type of gen. func.: lgdogf

$$- \frac{14}{(x + 1) (13 x - 1)}$$

Sequence: A170263
Score: 6.92988
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1), a(0) = 1, a(1) = 14\}$$

Sequence: A170264
Score: 11.456
Type of gen. func.: ogf

$$-14 f(x) x + f(x) - x - 1$$

Sequence: A170264
Score: 13.8678
Type of gen. func.: ogf

$$-\frac{x + 1}{14 x - 1}$$

Sequence: A170264
Score: 14.7327
Type of gen. func.: revogf

$$- 1/2 - 7 x + \frac{(196 x^{2} + 32 x + 1)^{1/2}}{2}$$

Sequence: A170264
Score: 28.6469
Type of gen. func.: lgdogf

$$-\frac{15}{(x + 1) (14 x - 1)}$$

Sequence: A170264
Score: 7.12131
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1), a(0) = 1, a(1) = 15\}$$

Sequence: A170265
Score: 11.6408
Type of gen. func.: ogf

$$-15 f(x) x + f(x) - x - 1$$

Sequence: A170265
Score: 13.1036
Type of gen. func.: revogf

$$- 1/2 - \frac{15 x}{} + \frac{((1 + 9 x) (1 + 25 x))^{1/2}}{}$$

```
                                 2                  2
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Sequence: A170265
Score: 14.0915
Type of gen. func.: ogf

$$-\frac{x + 1}{15 x - 1}$$

Sequence: A170265
Score: 29.1191
Type of gen. func.: lgdogf

$$-\frac{16}{(x + 1) (15 x - 1)}$$

Sequence: A170265
Score: 7.23618
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1), a(0) = 1, a(1) = 16\}$$

Sequence: A170266
Score: 11.9488
Type of gen. func.: ogf

$$-16 f(x) x + f(x) - x - 1$$

Sequence: A170266
Score: 14.4643
Type of gen. func.: ogf

$$-\frac{x + 1}{16 x - 1}$$

Sequence: A170266
Score: 15.3803
Type of gen. func.: revogf

$$- 1/2 - 8 x + \frac{(256 x^2 + 36 x + 1)^{1/2}}{2}$$

Sequence: A170266
Score: 29.9061
Type of gen. func.: lgdogf

$$- \frac{17}{(x + 1) (16 x - 1)}$$

Sequence: A170266
Score: 7.42761
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 17\}$$

Sequence: A170267
Score: 12.1335
Type of gen. func.: ogf

$$-17 f(x) x + f(x) - x - 1$$

Sequence: A170267
Score: 14.3897
Type of gen. func.: revogf

$$- 1/2 - \frac{17 x}{2} + \frac{(289 x^2 + 38 x + 1)^{1/2}}{2}$$

Sequence: A170267
Score: 14.6879
Type of gen. func.: ogf

$$- \frac{x + 1}{17 x - 1}$$

Sequence: A170267
Score: 30.3783
Type of gen. func.: lgdogf

$$-\frac{18}{(x+1)(17x-1)}$$

Sequence: A170267
Score: 7.54246
Type of gen. func.: ogf

$$\{a(n+2) - 17\, a(n+1),\ a(0) = 1,\ a(1) = 18\}$$

Sequence: A170268
Score: 10.789
Type of gen. func.: ogf

$$-18 f(x)\, x + f(x) - x - 1$$

Sequence: A170268
Score: 13.0604
Type of gen. func.: ogf

$$-\frac{x+1}{18x-1}$$

Sequence: A170268
Score: 13.8630
Type of gen. func.: revogf

$$-1/2 - 9x + \frac{(324x^2 + 40x + 1)^{1/2}}{2}$$

Sequence: A170268
Score: 26.9557
Type of gen. func.: lgdogf

$$-\frac{19}{(x+1)(18x-1)}$$

Sequence: A170268
Score: 6.70668
Type of gen. func.: ogf

$$\{a(n + 2) - 18\ a(n + 1),\ a(0) = 1,\ a(1) = 19\}$$

Sequence: A170269
Score: 10.9095
Type of gen. func.: ogf

$$-19\ f(x)\ x + f(x) - x - 1$$

Sequence: A170269
Score: 12.9144
Type of gen. func.: revogf

$$- 1/2 - \frac{19\ x}{2} + \frac{(361\ x^2 + 42\ x + 1)^{1/2}}{2}$$

Sequence: A170269
Score: 13.2063
Type of gen. func.: ogf

$$- \frac{x + 1}{19\ x - 1}$$

Sequence: A170269
Score: 27.2638
Type of gen. func.: lgdogf

$$- \frac{20}{(x + 1)\ (19\ x - 1)}$$

Sequence: A170269
Score: 6.78161
Type of gen. func.: ogf

$$\{a(n + 2) - 19 a(n + 1), a(0) = 1, a(1) = 20\}$$

Sequence: A170270
Score: 11.0904
Type of gen. func.: ogf

$$-20 f(x) x + f(x) - x - 1$$

Sequence: A170270
Score: 13.4252
Type of gen. func.: ogf

$$-\frac{x + 1}{20 x - 1}$$

Sequence: A170270
Score: 13.8630
Type of gen. func.: revogf

$$- 1/2 - 10 x + \frac{(400 x^2 + 44 x + 1)^{1/2}}{2}$$

Sequence: A170270
Score: 26.2666
Type of gen. func.: lgdogf

$$-\frac{21}{(x + 1) (20 x - 1)}$$

Sequence: A170270
Score: 6.89401
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1), a(0) = 1, a(1) = 21\}$$

Sequence: A170271
Score: 11.1506

Type of gen. func.: ogf

$$-21 f(x) x + f(x) - x - 1$$

Sequence: A170271
Score: 13.2063
Type of gen. func.: revogf

$$- 1/2 - \frac{21 x}{2} + \frac{(441 x^2 + 46 x + 1)^{1/2}}{2}$$

Sequence: A170271
Score: 13.4981
Type of gen. func.: ogf

$$- \frac{x + 1}{21 x - 1}$$

Sequence: A170271
Score: 27.8799
Type of gen. func.: lgdogf

$$- \frac{22}{(x + 1) (21 x - 1)}$$

Sequence: A170271
Score: 6.93147
Type of gen. func.: ogf

$$\{a(n + 2) - 21 a(n + 1), a(0) = 1, a(1) = 22\}$$

Sequence: A170272
Score: 11.452
Type of gen. func.: ogf

$$-22 f(x) x + f(x) - x - 1$$

Sequence: A170272
Score: 13.8629
Type of gen. func.: ogf

$$-\frac{x+1}{22x-1}$$

Sequence: A170272
Score: 14.3250
Type of gen. func.: revogf

$$-1/2 - 11x + \frac{(484x^2 + 48x + 1)^{1/2}}{2}$$

Sequence: A170272
Score: 28.6501
Type of gen. func.: lgdogf

$$-\frac{23}{(x+1)(22x-1)}$$

Sequence: A170272
Score: 7.11881
Type of gen. func.: ogf

$$\{a(n+2) - 22a(n+1), a(0) = 1, a(1) = 23\}$$

Sequence: A170273
Score: 11.5123
Type of gen. func.: ogf

$$-23 f(x) x + f(x) - x - 1$$

Sequence: A170273
Score: 13.6441
Type of gen. func.: revogf

$$-\frac{23x}{2} - 1/2 + \frac{(529x^2 + 50x + 1)^{1/2}}{2}$$

Sequence: A170273
Score: 13.9359
Type of gen. func.: ogf

$$-\frac{x + 1}{23 x - 1}$$

Sequence: A170273
Score: 28.8041
Type of gen. func.: lgdogf

$$-\frac{24}{(x + 1) (23 x - 1)}$$

Sequence: A170273
Score: 7.15628
Type of gen. func.: ogf

$$\{a(n + 2) - 23 a(n + 1), a(0) = 1, a(1) = 24\}$$

Sequence: A170274
Score: 11.6328
Type of gen. func.: ogf

$$-24 f(x) x + f(x) - x - 1$$

Sequence: A170274
Score: 13.4364
Type of gen. func.: revogf

$$-12 x - 1/2 + \frac{((1 + 16 x) (1 + 36 x))^{1/2}}{2}$$

Sequence: A170274
Score: 14.0818
Type of gen. func.: ogf

$$-\frac{x+1}{24x-1}$$

Sequence: A170274
Score: 29.1122
Type of gen. func.: lgdogf

$$-\frac{25}{(x+1)(24x-1)}$$

Sequence: A170274
Score: 7.23122
Type of gen. func.: ogf

$$\{a(n+2) - 24\, a(n+1),\ a(0) = 1,\ a(1) = 25\}$$

Sequence: A170275
Score: 11.7534
Type of gen. func.: ogf

$$-25 f(x) x + f(x) - x - 1$$

Sequence: A170275
Score: 13.9359
Type of gen. func.: revogf

$$-1/2 - \frac{25x}{2} + \frac{(625x^2 + 54x + 1)^{1/2}}{2}$$

Sequence: A170275
Score: 14.2278
Type of gen. func.: ogf

$$-\frac{x+1}{25x-1}$$

Sequence: A170275
Score: 29.4203
Type of gen. func.: lgdogf

$$-\frac{26}{(x + 1) (25 x - 1)}$$

Sequence: A170275
Score: 7.30615
Type of gen. func.: ogf

$$\{a(n + 2) - 25 a(n + 1), a(0) = 1, a(1) = 26\}$$

Sequence: A170276
Score: 11.8739
Type of gen. func.: ogf

$$-26 f(x) x + f(x) - x - 1$$

Sequence: A170276
Score: 14.3737
Type of gen. func.: ogf

$$-\frac{x + 1}{26 x - 1}$$

Sequence: A170276
Score: 14.8642
Type of gen. func.: revogf

$$-13 x - 1/2 + \frac{(676 x^2 + 56 x + 1)^{1/2}}{2}$$

Sequence: A170276
Score: 29.7283
Type of gen. func.: lgdogf

$$-\frac{27}{(x + 1) (26 x - 1)}$$

Sequence: A170276
Score: 7.38108
Type of gen. func.: ogf

$$\{a(n + 2) - 26 a(n + 1), a(0) = 1, a(1) = 27\}$$

Sequence: A170277
Score: 12.0547
Type of gen. func.: ogf

$$-27 f(x) x + f(x) - x - 1$$

Sequence: A170277
Score: 14.3007
Type of gen. func.: revogf

$$-\frac{27 x}{2} - 1/2 + \frac{(729 x^{2} + 58 x + 1)^{1/2}}{2}$$

Sequence: A170277
Score: 14.5926
Type of gen. func.: ogf

$$-\frac{x + 1}{27 x - 1}$$

Sequence: A170277
Score: 30.1904
Type of gen. func.: lgdogf

$$-\frac{28}{(x + 1) (27 x - 1)}$$

Sequence: A170277
Score: 7.49349
Type of gen. func.: ogf

$$\{a(n + 2) - 27 a(n + 1), a(0) = 1, a(1) = 28\}$$

Sequence: A170278
Score: 12.115
Type of gen. func.: ogf

$$-28 f(x) x + f(x) - x - 1$$

Sequence: A170278
Score: 14.6656
Type of gen. func.: ogf

$$-\frac{x + 1}{28 x - 1}$$

Sequence: A170278
Score: 15.1722
Type of gen. func.: revogf

$$-14 x - 1/2 + \frac{(784 x^2 + 60 x + 1)^{1/2}}{2}$$

Sequence: A170278
Score: 30.3445
Type of gen. func.: lgdogf

$$-\frac{29}{(x + 1) (28 x - 1)}$$

Sequence: A170278
Score: 7.53096
Type of gen. func.: ogf

$$\{a(n + 2) - 28 a(n + 1), a(0) = 1, a(1) = 29\}$$

Sequence: A170279
Score: 12.2356
Type of gen. func.: ogf

$$-29 f(x) x + f(x) - x - 1$$

Sequence: A170279
Score: 14.5196
Type of gen. func.: revogf

$$-\frac{29 x}{2} - 1/2 + \frac{(841 x^2 + 62 x + 1)^{1/2}}{2}$$

Sequence: A170279
Score: 14.8115
Type of gen. func.: ogf

$$-\frac{x + 1}{29 x - 1}$$

Sequence: A170279
Score: 30.6525
Type of gen. func.: lgdogf

$$-\frac{30}{(x + 1) (29 x - 1)}$$

Sequence: A170279
Score: 7.60589
Type of gen. func.: ogf

$$\{a(n + 2) - 29 a(n + 1), a(0) = 1, a(1) = 30\}$$

Sequence: A170280
Score: 12.2958
Type of gen. func.: ogf

$$-30 f(x) x + f(x) - x - 1$$

Sequence: A170280

Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{30 x - 1}$$

Sequence: A170280
Score: 15.4033
Type of gen. func.: revogf

$$-15 x - 1/2 + \frac{(900 x^2 + 64 x + 1)^{1/2}}{2}$$

Sequence: A170280
Score: 30.8066
Type of gen. func.: lgdogf

$$-\frac{31}{(x + 1) (30 x - 1)}$$

Sequence: A170280
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 30 a(n + 1), a(0) = 1, a(1) = 31\}$$

Sequence: A170281
Score: 12.2958
Type of gen. func.: ogf

$$-31 f(x) x + f(x) - x - 1$$

Sequence: A170281
Score: 14.5926
Type of gen. func.: revogf

$$-\frac{31 x}{2} - 1/2 + \frac{(961 x^2 + 66 x + 1)^{1/2}}{2}$$

Sequence: A170281
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{31 x - 1}$$

Sequence: A170281
Score: 30.8066
Type of gen. func.: lgdogf

$$-\frac{32}{(x + 1) (31 x - 1)}$$

Sequence: A170281
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 31 a(n + 1), a(0) = 1, a(1) = 32\}$$

Sequence: A170282
Score: 12.7177
Type of gen. func.: ogf

$$-32 f(x) x + f(x) - x - 1$$

Sequence: A170282
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{32 x - 1}$$

Sequence: A170282
Score: 15.5115
Type of gen. func.: revogf

2 1/2

$$- 1/2 - 16 x + \frac{(1024 x + 68 x + 1)}{2}$$

Sequence: A170282
Score: 31.8848
Type of gen. func.: lgdogf

$$- \frac{33}{(x + 1) (32 x - 1)}$$

Sequence: A170282
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 32 a(n + 1), a(0) = 1, a(1) = 33\}$$

Sequence: A170283
Score: 12.7177
Type of gen. func.: ogf

$$-33 f(x) x + f(x) - x - 1$$

Sequence: A170283
Score: 14.7161
Type of gen. func.: revogf

$$- 1/2 - \frac{33 x}{2} + \frac{(1089 x^2 + 70 x + 1)^{1/2}}{2}$$

Sequence: A170283
Score: 15.3952
Type of gen. func.: ogf

$$- \frac{x + 1}{33 x - 1}$$

Sequence: A170283

Score: 31.8848
Type of gen. func.: lgdogf

$$-\frac{34}{(x+1)(33x-1)}$$

Sequence: A170283
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n+2) - 33\,a(n+1),\ a(0) = 1,\ a(1) = 34\}$$

Sequence: A170284
Score: 12.7177
Type of gen. func.: ogf

$$-34\,f(x)\,x + f(x) - x - 1$$

Sequence: A170284
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x+1}{34x-1}$$

Sequence: A170284
Score: 15.5115
Type of gen. func.: revogf

$$-1/2 - 17x + \frac{(1156x^2 + 72x + 1)^{1/2}}{2}$$

Sequence: A170284
Score: 31.8848
Type of gen. func.: lgdogf

$$-\frac{35}{(x+1)(34x-1)}$$

Sequence: A170284
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n+2) - 34\, a(n+1),\ a(0) = 1,\ a(1) = 35\}$$

Sequence: A170285
Score: 12.8383
Type of gen. func.: ogf

$$-35 f(x)\, x + f(x) - x - 1$$

Sequence: A170285
Score: 14.1334
Type of gen. func.: revogf

$$-\frac{35\, x}{2} - 1/2 + \frac{((1 + 25\, x)\,(1 + 49\, x))^{1/2}}{2}$$

Sequence: A170285
Score: 15.5411
Type of gen. func.: ogf

$$-\frac{x + 1}{35\, x - 1}$$

Sequence: A170285
Score: 32.1929
Type of gen. func.: lgdogf

$$-\frac{36}{(x + 1)\,(35\, x - 1)}$$

Sequence: A170285
Score: 7.98057
Type of gen. func.: ogf

$$\{a(n+2) - 35\, a(n+1),\ a(0) = 1,\ a(1) = 36\}$$

Sequence: A170286
Score: 11.1854
Type of gen. func.: ogf

$$-36 f(x) x + f(x) - x - 1$$

Sequence: A170286
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{36 x - 1}$$

Sequence: A170286
Score: 13.6134
Type of gen. func.: revogf

$$- 1/2 - 18 x + \frac{(1296 x^2 + 76 x + 1)^{1/2}}{2}$$

Sequence: A170286
Score: 27.9832
Type of gen. func.: lgdogf

$$-\frac{37}{(x + 1) (36 x - 1)}$$

Sequence: A170286
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 36 a(n + 1), a(0) = 1, a(1) = 37\}$$

Sequence: A170287
Score: 11.1854
Type of gen. func.: ogf

$$-37 f(x) x + f(x) - x - 1$$

Sequence: A170287
Score: 12.9153
Type of gen. func.: revogf

$$-\frac{1}{2} - \frac{37 x}{2} + \frac{(1369 x^2 + 78 x + 1)^{1/2}}{2}$$

Sequence: A170287
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{37 x - 1}$$

Sequence: A170287
Score: 27.9832
Type of gen. func.: lgdogf

$$-\frac{38}{(x + 1) (37 x - 1)}$$

Sequence: A170287
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 37 a(n + 1), a(0) = 1, a(1) = 38\}$$

Sequence: A170288
Score: 11.3032
Type of gen. func.: ogf

$$-38 f(x) x + f(x) - x - 1$$

Sequence: A170288
Score: 13.6828

Type of gen. func.: ogf

$$-\frac{x+1}{38x-1}$$

Sequence: A170288
Score: 13.7598
Type of gen. func.: revogf

$$-1/2-19x+\frac{(1444x^2+80x+1)^{1/2}}{2}$$

Sequence: A170288
Score: 28.2841
Type of gen. func.: lgdogf

$$-\frac{39}{(x+1)(38x-1)}$$

Sequence: A170288
Score: 7.02630
Type of gen. func.: ogf

$$\{a(n+2)-38a(n+1), a(0)=1, a(1)=39\}$$

Sequence: A170289
Score: 11.362
Type of gen. func.: ogf

$$-39f(x)x+f(x)-x-1$$

Sequence: A170289
Score: 13.1236
Type of gen. func.: revogf

$$-\frac{39x}{2}-1/2+\frac{(1521x^2+82x+1)^{1/2}}{2}$$

Sequence: A170289
Score: 13.7541
Type of gen. func.: ogf

$$-\frac{x + 1}{39 x - 1}$$

Sequence: A170289
Score: 28.4345
Type of gen. func.: lgdogf

$$-\frac{40}{(x + 1) (39 x - 1)}$$

Sequence: A170289
Score: 7.06289
Type of gen. func.: ogf

$$\{a(n + 2) - 39 a(n + 1), a(0) = 1, a(1) = 40\}$$

Sequence: A170290
Score: 11.4798
Type of gen. func.: ogf

$$-40 f(x) x + f(x) - x - 1$$

Sequence: A170290
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{40 x - 1}$$

Sequence: A170290
Score: 13.9794
Type of gen. func.: revogf

$$(1600 x^2 + 84 x + 1)^{1/2}$$

```
                     -20 x - 1/2 + -----------------------
                                                 2



------------------------------------------------------------------------------

Sequence:  A170290
Score: 28.7354
Type of gen. func.: lgdogf


                                          41
                              - ------------------
                                (x + 1) (40 x - 1)



------------------------------------------------------------------------------

Sequence:  A170290
Score: 7.13608
Type of gen. func.: ogf


                 {a(n + 2) - 40 a(n + 1), a(0) = 1, a(1) = 41}



------------------------------------------------------------------------------

Sequence:  A170291
Score: 11.4798
Type of gen. func.: ogf


                           -41 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A170291
Score: 13.2625
Type of gen. func.: revogf


                                           2             1/2
                             41 x   (1681 x  + 86 x + 1)
                     - 1/2 - ---- + -----------------------
                              2                2



------------------------------------------------------------------------------

Sequence:  A170291
Score: 13.8966
Type of gen. func.: ogf


                                      x + 1
                                   - --------
                                     41 x - 1



------------------------------------------------------------------------------

Sequence:  A170291
Score: 28.7354
```

Type of gen. func.: lgdogf

$$-\frac{42}{(x + 1) (41 x - 1)}$$

Sequence: A170291
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 41 a(n + 1), a(0) = 1, a(1) = 42\}$$

Sequence: A170292
Score: 11.5386
Type of gen. func.: ogf

$$-42 f(x) x + f(x) - x - 1$$

Sequence: A170292
Score: 13.9678
Type of gen. func.: ogf

$$-\frac{x + 1}{42 x - 1}$$

Sequence: A170292
Score: 14.0526
Type of gen. func.: revogf

$$-1/2 - 21 x + \frac{(1764 x^2 + 88 x + 1)^{1/2}}{2}$$

Sequence: A170292
Score: 28.8859
Type of gen. func.: lgdogf

$$-\frac{43}{(x + 1) (42 x - 1)}$$

Sequence: A170292
Score: 7.17268
Type of gen. func.: ogf

$$\{a(n + 2) - 42 a(n + 1), a(0) = 1, a(1) = 43\}$$

Sequence: A170293
Score: 11.5975
Type of gen. func.: ogf

$$-43 f(x) x + f(x) - x - 1$$

Sequence: A170293
Score: 13.4014
Type of gen. func.: revogf

$$- 1/2 - \frac{43 x}{2} + \frac{(1849 x^2 + 90 x + 1)^{1/2}}{2}$$

Sequence: A170293
Score: 14.0391
Type of gen. func.: ogf

$$- \frac{x + 1}{43 x - 1}$$

Sequence: A170293
Score: 29.0363
Type of gen. func.: lgdogf

$$- \frac{44}{(x + 1) (43 x - 1)}$$

Sequence: A170293
Score: 7.20927
Type of gen. func.: ogf

$$\{a(n + 2) - 43 a(n + 1), a(0) = 1, a(1) = 44\}$$

Sequence: A170294
Score: 11.7153
Type of gen. func.: ogf

$$-44 f(x) x + f(x) - x - 1$$

Sequence: A170294
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{44 x - 1}$$

Sequence: A170294
Score: 14.2722
Type of gen. func.: revogf

$$- 1/2 - 22 x + \frac{(1936 x^2 + 92 x + 1)^{1/2}}{2}$$

Sequence: A170294
Score: 29.3372
Type of gen. func.: lgdogf

$$-\frac{45}{(x + 1) (44 x - 1)}$$

Sequence: A170294
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 44 a(n + 1), a(0) = 1, a(1) = 45\}$$

Sequence: A170295
Score: 11.7153
Type of gen. func.: ogf

$$-45 f(x) x + f(x) - x - 1$$

Sequence: A170295
Score: 13.5403
Type of gen. func.: revogf

$$- 1/2 - \frac{45 x}{2} + \frac{(2025 x^2 + 94 x + 1)^{1/2}}{2}$$

Sequence: A170295
Score: 14.1816
Type of gen. func.: ogf

$$- \frac{x + 1}{45 x - 1}$$

Sequence: A170295
Score: 29.3372
Type of gen. func.: lgdogf

$$- \frac{46}{(x + 1) (45 x - 1)}$$

Sequence: A170295
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 45 a(n + 1), a(0) = 1, a(1) = 46\}$$

Sequence: A170296
Score: 11.7153
Type of gen. func.: ogf

$$-46 f(x) x + f(x) - x - 1$$

Sequence: A170296
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x+1}{46x-1}$$

Sequence: A170296
Score: 14.2722
Type of gen. func.: revogf

$$-1/2 - 23x + \frac{(2116x^2 + 96x + 1)^{1/2}}{2}$$

Sequence: A170296
Score: 29.3372
Type of gen. func.: lgdogf

$$-\frac{47}{(x+1)(46x-1)}$$

Sequence: A170296
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n+2) - 46\, a(n+1),\ a(0) = 1,\ a(1) = 47\}$$

Sequence: A170297
Score: 11.9507
Type of gen. func.: ogf

$$-47 f(x)\, x + f(x) - x - 1$$

Sequence: A170297
Score: 13.8180
Type of gen. func.: revogf

$$-\frac{47x}{2} - 1/2 + \frac{(2209x^2 + 98x + 1)^{1/2}}{2}$$

Sequence: A170297
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{47 x - 1}$$

Sequence: A170297
Score: 29.9390
Type of gen. func.: lgdogf

$$-\frac{48}{(x + 1) (47 x - 1)}$$

Sequence: A170297
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 47 a(n + 1), a(0) = 1, a(1) = 48\}$$

Sequence: A170298
Score: 11.9507
Type of gen. func.: ogf

$$-48 f(x) x + f(x) - x - 1$$

Sequence: A170298
Score: 13.8180
Type of gen. func.: revogf

$$- 1/2 - 24 x + \frac{((1 + 36 x) (64 x + 1))^{1/2}}{2}$$

Sequence: A170298
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{}$$

48 x - 1

Sequence: A170298
Score: 29.9390
Type of gen. func.: lgdogf

$$-\frac{49}{(x + 1)(48 x - 1)}$$

Sequence: A170298
Score: 7.42884
Type of gen. func.: ogf

{a(n + 2) - 48 a(n + 1), a(0) = 1, a(1) = 49}

Sequence: A170299
Score: 11.9507
Type of gen. func.: ogf

-49 f(x) x + f(x) - x - 1

Sequence: A170299
Score: 13.4725
Type of gen. func.: revogf

$$- 1/2 - \frac{49 x}{2} + \frac{(2401 x^2 + 102 x + 1)^{1/2}}{2}$$

Sequence: A170299
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{49 x - 1}$$

Sequence: A170299
Score: 29.9390
Type of gen. func.: lgdogf

$$-\frac{50}{(x+1)(49x-1)}$$

Sequence: A170299
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n+2) - 49\,a(n+1),\ a(0) = 1,\ a(1) = 50\}$$

Sequence: A170300
Score: 15.8654
Type of gen. func.: ogf

$$-2 f(x)\,x + f(x) - x - 1$$

Sequence: A170300
Score: 19.2957
Type of gen. func.: ogf

$$-\frac{x+1}{2x-1}$$

Sequence: A170300
Score: 23.3360
Type of gen. func.: revogf

$$-x - 1/2 + \frac{(4x^2 + 8x + 1)^{1/2}}{2}$$

Sequence: A170300
Score: 43.7550
Type of gen. func.: lgdogf

$$-\frac{3}{(2x-1)(x+1)}$$

Sequence: A170300
Score: 9.91586
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 3\}$$

Sequence: A170301
Score: 14.5528
Type of gen. func.: ogf

$$-3 f(x) x + f(x) - x - 1$$

Sequence: A170301
Score: 17.6994
Type of gen. func.: ogf

$$-\frac{x + 1}{3 x - 1}$$

Sequence: A170301
Score: 17.8290
Type of gen. func.: revogf

$$-\frac{3 x}{2} - 1/2 + \frac{((x + 1) (1 + 9 x))^{1/2}}{2}$$

Sequence: A170301
Score: 37.7556
Type of gen. func.: lgdogf

$$-\frac{4}{(3 x - 1) (x + 1)}$$

Sequence: A170301
Score: 9.09553
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 4\}$$

Sequence: A170302
Score: 14.619
Type of gen. func.: ogf

$$-4 f(x) x + f(x) - x - 1$$

Sequence: A170302
Score: 17.7799
Type of gen. func.: ogf

$$-\frac{x + 1}{4 x - 1}$$

Sequence: A170302
Score: 18.9748
Type of gen. func.: revogf

$$-2 x - 1/2 + \frac{(16 x^2 + 12 x + 1)^{1/2}}{2}$$

Sequence: A170302
Score: 40.3215
Type of gen. func.: lgdogf

$$-\frac{5}{(x + 1) (4 x - 1)}$$

Sequence: A170302
Score: 9.13689
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 5\}$$

Sequence: A170303
Score: 13.6693
Type of gen. func.: ogf

$$-5 f(x) x + f(x) - x - 1$$

Sequence: A170303
Score: 16.6248
Type of gen. func.: ogf

$$-\frac{x+1}{5x-1}$$

Sequence: A170303
Score: 16.7431
Type of gen. func.: revogf

$$-1/2-\frac{5x}{2}+\frac{(25x^2+14x+1)^{1/2}}{2}$$

Sequence: A170303
Score: 37.6720
Type of gen. func.: lgdogf

$$-\frac{6}{(x+1)(5x-1)}$$

Sequence: A170303
Score: 8.54329
Type of gen. func.: ogf

$$\{a(n+2)-5a(n+1), a(0)=1, a(1)=6\}$$

Sequence: A170304
Score: 13.4636
Type of gen. func.: ogf

$$-6f(x)x+f(x)-x-1$$

Sequence: A170304
Score: 16.3746
Type of gen. func.: ogf

$$-\frac{x+1}{-1+6x}$$

Sequence: A170304
Score: 17.4612
Type of gen. func.: revogf

$$-3x-1/2+\frac{(36x^2+16x+1)^{1/2}}{2}$$

Sequence: A170304
Score: 37.1051
Type of gen. func.: lgdogf

$$-\frac{7}{(x+1)(-1+6x)}$$

Sequence: A170304
Score: 8.41471
Type of gen. func.: ogf

$$\{a(n+2)-6a(n+1), a(0)=1, a(1)=7\}$$

Sequence: A170305
Score: 12.9815
Type of gen. func.: ogf

$$-7f(x)x+f(x)-x-1$$

Sequence: A170305
Score: 15.7883
Type of gen. func.: ogf

$$-\frac{x+1}{7x-1}$$

Sequence: A170305
Score: 15.8940
Type of gen. func.: revogf

$$- 1/2 - \frac{7 x}{2} + \frac{(49 x^2 + 18 x + 1)^{1/2}}{2}$$

Sequence: A170305
Score: 35.7615
Type of gen. func.: lgdogf

$$- \frac{8}{(x + 1) (7 x - 1)}$$

Sequence: A170305
Score: 8.11343
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1), a(0) = 1, a(1) = 8\}$$

Sequence: A170306
Score: 13.6472
Type of gen. func.: ogf

$$-8 f(x) x + f(x) - x - 1$$

Sequence: A170306
Score: 16.2741
Type of gen. func.: revogf

$$-4 x - 1/2 + \frac{((4 x + 1) (1 + 16 x))^{1/2}}{2}$$

Sequence: A170306
Score: 16.5980
Type of gen. func.: ogf

$$- \frac{x + 1}{8 x - 1}$$

Sequence: A170306
Score: 37.6339
Type of gen. func.: lgdogf

$$-\frac{9}{(x+1)(8x-1)}$$

Sequence: A170306
Score: 8.52951
Type of gen. func.: ogf

$$\{a(n+2) - 8\,a(n+1),\ a(0) = 1,\ a(1) = 9\}$$

Sequence: A170307
Score: 12.7592
Type of gen. func.: ogf

$$-9 f(x) x + f(x) - x - 1$$

Sequence: A170307
Score: 15.5180
Type of gen. func.: ogf

$$-\frac{x+1}{9x-1}$$

Sequence: A170307
Score: 15.6219
Type of gen. func.: revogf

$$-1/2 - \frac{9x}{2} + \frac{(81x^2 + 22x + 1)^{1/2}}{2}$$

Sequence: A170307
Score: 33.0816
Type of gen. func.: lgdogf

$$-\frac{10}{(x+1)(9x-1)}$$

Sequence: A170307
Score: 7.86529
Type of gen. func.: ogf

$$\{a(n+2) - 9\,a(n+1),\ a(0) = 1,\ a(1) = 10\}$$

Sequence: A170308
Score: 12.0642
Type of gen. func.: ogf

$$-10\,f(x)\,x + f(x) - x - 1$$

Sequence: A170308
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x+1}{10x-1}$$

Sequence: A170308
Score: 15.5254
Type of gen. func.: revogf

$$-5x - 1/2 + \frac{(100x^2 + 24x + 1)^{1/2}}{2}$$

Sequence: A170308
Score: 30.1883
Type of gen. func.: lgdogf

$$-\frac{11}{(x+1)(10x-1)}$$

Sequence: A170308
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 11\}$$

Sequence: A170309
Score: 12.0642
Type of gen. func.: ogf

$$-11 f(x) x + f(x) - x - 1$$

Sequence: A170309
Score: 14.2997
Type of gen. func.: revogf

$$- 1/2 - \frac{11 x}{2} + \frac{(121 x^2 + 26 x + 1)^{1/2}}{2}$$

Sequence: A170309
Score: 14.6040
Type of gen. func.: ogf

$$- \frac{x + 1}{11 x - 1}$$

Sequence: A170309
Score: 30.1883
Type of gen. func.: lgdogf

$$- \frac{12}{(x + 1) (11 x - 1)}$$

Sequence: A170309
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1), a(0) = 1, a(1) = 12\}$$

Sequence: A170310
Score: 10.9017
Type of gen. func.: ogf

$$-12 f(x) x + f(x) - x - 1$$

Sequence: A170310
Score: 13.1968
Type of gen. func.: ogf

$$-\frac{x + 1}{12 x - 1}$$

Sequence: A170310
Score: 14.0042
Type of gen. func.: revogf

$$- 1/2 - 6 x + \frac{(144 x^2 + 28 x + 1)^{1/2}}{2}$$

Sequence: A170310
Score: 27.2303
Type of gen. func.: lgdogf

$$-\frac{13}{(x + 1) (12 x - 1)}$$

Sequence: A170310
Score: 6.77673
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1), a(0) = 1, a(1) = 13\}$$

Sequence: A170311
Score: 11.1481
Type of gen. func.: ogf

$$-13 f(x) x + f(x) - x - 1$$

Sequence: A170311
Score: 13.1968
Type of gen. func.: revogf

$$-\frac{1}{2} - \frac{13 x}{2} + \frac{(169 x^2 + 30 x + 1)^{1/2}}{2}$$

Sequence: A170311
Score: 13.4950
Type of gen. func.: ogf

$$-\frac{x + 1}{13 x - 1}$$

Sequence: A170311
Score: 27.8599
Type of gen. func.: lgdogf

$$-\frac{14}{(x + 1) (13 x - 1)}$$

Sequence: A170311
Score: 6.92988
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1), a(0) = 1, a(1) = 14\}$$

Sequence: A170312
Score: 11.456
Type of gen. func.: ogf

$$-14 f(x) x + f(x) - x - 1$$

Sequence: A170312
Score: 13.8678
Type of gen. func.: ogf

$$-\frac{x+1}{14x-1}$$

Sequence: A170312
Score: 14.7327
Type of gen. func.: revogf

$$-1/2 - 7x + \frac{(196x^2 + 32x + 1)^{1/2}}{2}$$

Sequence: A170312
Score: 28.6469
Type of gen. func.: lgdogf

$$-\frac{15}{(x+1)(14x-1)}$$

Sequence: A170312
Score: 7.12131
Type of gen. func.: ogf

$$\{a(n+2) - 14a(n+1), a(0) = 1, a(1) = 15\}$$

Sequence: A170313
Score: 11.6408
Type of gen. func.: ogf

$$-15 f(x) x + f(x) - x - 1$$

Sequence: A170313
Score: 13.1036
Type of gen. func.: revogf

$$-1/2 - \frac{15x}{2} + \frac{((1+9x)(1+25x))^{1/2}}{2}$$

Sequence: A170313
Score: 14.0915
Type of gen. func.: ogf

$$-\frac{x+1}{15x-1}$$

Sequence: A170313
Score: 29.1191
Type of gen. func.: lgdogf

$$-\frac{16}{(x+1)(15x-1)}$$

Sequence: A170313
Score: 7.23618
Type of gen. func.: ogf

$$\{a(n+2) - 15\,a(n+1),\ a(0) = 1,\ a(1) = 16\}$$

Sequence: A170314
Score: 11.9488
Type of gen. func.: ogf

$$-16\,f(x)\,x + f(x) - x - 1$$

Sequence: A170314
Score: 14.4643
Type of gen. func.: ogf

$$-\frac{x+1}{16x-1}$$

Sequence: A170314
Score: 15.3803
Type of gen. func.: revogf

$$-1/2 - 8x + \frac{(256x^2 + 36x + 1)^{1/2}}{2}$$

Sequence: A170314
Score: 29.9061
Type of gen. func.: lgdogf

$$-\frac{17}{(x+1)(16x-1)}$$

Sequence: A170314
Score: 7.42761
Type of gen. func.: ogf

$$\{a(n+2) - 16\, a(n+1),\ a(0) = 1,\ a(1) = 17\}$$

Sequence: A170315
Score: 12.1335
Type of gen. func.: ogf

$$-17 f(x)\, x + f(x) - x - 1$$

Sequence: A170315
Score: 14.3897
Type of gen. func.: revogf

$$-1/2 - \frac{17x}{2} + \frac{(289x^2 + 38x + 1)^{1/2}}{2}$$

Sequence: A170315
Score: 14.6879
Type of gen. func.: ogf

$$-\frac{x+1}{17x-1}$$

Sequence: A170315
Score: 30.3783
Type of gen. func.: lgdogf

$$-\frac{18}{(x+1)(17x-1)}$$

Sequence: A170315
Score: 7.54246
Type of gen. func.: ogf

$$\{a(n+2) - 17 a(n+1), a(0) = 1, a(1) = 18\}$$

Sequence: A170316
Score: 10.789
Type of gen. func.: ogf

$$-18 f(x) x + f(x) - x - 1$$

Sequence: A170316
Score: 13.0604
Type of gen. func.: ogf

$$-\frac{x+1}{18x-1}$$

Sequence: A170316
Score: 13.8630
Type of gen. func.: revogf

$$-1/2 - 9x + \frac{(324x^2 + 40x + 1)^{1/2}}{2}$$

Sequence: A170316
Score: 26.9557
Type of gen. func.: lgdogf

$$-\frac{19}{(x+1)(18x-1)}$$

Sequence: A170316

Score: 6.70668
Type of gen. func.: ogf

$$\{a(n+2) - 18\, a(n+1),\ a(0) = 1,\ a(1) = 19\}$$

Sequence: A170317
Score: 10.9095
Type of gen. func.: ogf

$$-19\, f(x)\, x + f(x) - x - 1$$

Sequence: A170317
Score: 12.9144
Type of gen. func.: revogf

$$-\frac{1}{2} - \frac{19\, x}{2} + \frac{(361\, x^2 + 42\, x + 1)^{1/2}}{2}$$

Sequence: A170317
Score: 13.2063
Type of gen. func.: ogf

$$-\frac{x + 1}{19\, x - 1}$$

Sequence: A170317
Score: 27.2638
Type of gen. func.: lgdogf

$$-\frac{20}{(x + 1)\,(19\, x - 1)}$$

Sequence: A170317
Score: 6.78161
Type of gen. func.: ogf

$$\{a(n+2) - 19\, a(n+1),\ a(0) = 1,\ a(1) = 20\}$$

Sequence: A170318
Score: 11.0904
Type of gen. func.: ogf

$$-20 f(x) x + f(x) - x - 1$$

Sequence: A170318
Score: 13.4252
Type of gen. func.: ogf

$$-\frac{x + 1}{20 x - 1}$$

Sequence: A170318
Score: 13.8630
Type of gen. func.: revogf

$$- 1/2 - 10 x + \frac{(400 x^2 + 44 x + 1)^{1/2}}{2}$$

Sequence: A170318
Score: 26.2666
Type of gen. func.: lgdogf

$$-\frac{21}{(x + 1) (20 x - 1)}$$

Sequence: A170318
Score: 6.89401
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1), a(0) = 1, a(1) = 21\}$$

Sequence: A170319
Score: 11.1506
Type of gen. func.: ogf

$$-21 f(x) x + f(x) - x - 1$$

Sequence: A170319
Score: 13.2063
Type of gen. func.: revogf

$$- \frac{1}{2} - \frac{21 x}{2} + \frac{(441 x^2 + 46 x + 1)^{1/2}}{2}$$

Sequence: A170319
Score: 13.4981
Type of gen. func.: ogf

$$- \frac{x + 1}{21 x - 1}$$

Sequence: A170319
Score: 27.8799
Type of gen. func.: lgdogf

$$- \frac{22}{(x + 1) (21 x - 1)}$$

Sequence: A170319
Score: 6.93147
Type of gen. func.: ogf

$$\{a(n + 2) - 21 a(n + 1), a(0) = 1, a(1) = 22\}$$

Sequence: A170320
Score: 11.452
Type of gen. func.: ogf

$$-22 f(x) x + f(x) - x - 1$$

Sequence: A170320
Score: 13.8629
Type of gen. func.: ogf

$$x + 1$$

$$-\frac{}{22 x - 1}$$

Sequence: A170320
Score: 14.3250
Type of gen. func.: revogf

$$- 1/2 - 11 x + \frac{(484 x^2 + 48 x + 1)^{1/2}}{2}$$

Sequence: A170320
Score: 28.6501
Type of gen. func.: lgdogf

$$- \frac{23}{(x + 1) (22 x - 1)}$$

Sequence: A170320
Score: 7.11881
Type of gen. func.: ogf

$$\{a(n + 2) - 22 a(n + 1), a(0) = 1, a(1) = 23\}$$

Sequence: A170321
Score: 11.5123
Type of gen. func.: ogf

$$-23 f(x) x + f(x) - x - 1$$

Sequence: A170321
Score: 13.6441
Type of gen. func.: revogf

$$- \frac{23 x}{2} - 1/2 + \frac{(529 x^2 + 50 x + 1)^{1/2}}{2}$$

Sequence: A170321

Score: 13.9359
Type of gen. func.: ogf

$$-\frac{x + 1}{23 x - 1}$$

Sequence: A170321
Score: 28.8041
Type of gen. func.: lgdogf

$$-\frac{24}{(x + 1) (23 x - 1)}$$

Sequence: A170321
Score: 7.15628
Type of gen. func.: ogf

$$\{a(n + 2) - 23 a(n + 1), a(0) = 1, a(1) = 24\}$$

Sequence: A170322
Score: 11.6328
Type of gen. func.: ogf

$$-24 f(x) x + f(x) - x - 1$$

Sequence: A170322
Score: 13.4364
Type of gen. func.: revogf

$$-12 x - 1/2 + \frac{((1 + 16 x) (1 + 36 x))^{1/2}}{2}$$

Sequence: A170322
Score: 14.0818
Type of gen. func.: ogf

$$-\frac{x + 1}{24 x - 1}$$

Sequence: A170322
Score: 29.1122
Type of gen. func.: lgdogf

$$-\frac{25}{(x + 1) (24 x - 1)}$$

Sequence: A170322
Score: 7.23122
Type of gen. func.: ogf

$$\{a(n + 2) - 24 a(n + 1), a(0) = 1, a(1) = 25\}$$

Sequence: A170323
Score: 11.7534
Type of gen. func.: ogf

$$-25 f(x) x + f(x) - x - 1$$

Sequence: A170323
Score: 13.9359
Type of gen. func.: revogf

$$-1/2 - \frac{25 x}{2} + \frac{(625 x^2 + 54 x + 1)^{1/2}}{2}$$

Sequence: A170323
Score: 14.2278
Type of gen. func.: ogf

$$-\frac{x + 1}{25 x - 1}$$

Sequence: A170323
Score: 29.4203
Type of gen. func.: lgdogf

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- ------------------
  (x + 1) (25 x - 1)
```

Sequence: A170323
Score: 7.30615
Type of gen. func.: ogf

$$\{a(n + 2) - 25 a(n + 1), a(0) = 1, a(1) = 26\}$$

Sequence: A170324
Score: 11.8739
Type of gen. func.: ogf

$$-26 f(x) x + f(x) - x - 1$$

Sequence: A170324
Score: 14.3737
Type of gen. func.: ogf

$$-\frac{x + 1}{26 x - 1}$$

Sequence: A170324
Score: 14.8642
Type of gen. func.: revogf

$$-13 x - 1/2 + \frac{(676 x^2 + 56 x + 1)^{1/2}}{2}$$

Sequence: A170324
Score: 29.7283
Type of gen. func.: lgdogf

$$-\frac{27}{(x + 1) (26 x - 1)}$$

Sequence: A170324
Score: 7.38108

Type of gen. func.: ogf

$$\{a(n + 2) - 26 a(n + 1), a(0) = 1, a(1) = 27\}$$

Sequence: A170325
Score: 12.0547
Type of gen. func.: ogf

$$-27 f(x) x + f(x) - x - 1$$

Sequence: A170325
Score: 14.3007
Type of gen. func.: revogf

$$- \frac{27 x}{2} - 1/2 + \frac{(729 x^2 + 58 x + 1)^{1/2}}{2}$$

Sequence: A170325
Score: 14.5926
Type of gen. func.: ogf

$$- \frac{x + 1}{27 x - 1}$$

Sequence: A170325
Score: 30.1904
Type of gen. func.: lgdogf

$$- \frac{28}{(x + 1) (27 x - 1)}$$

Sequence: A170325
Score: 7.49349
Type of gen. func.: ogf

$$\{a(n + 2) - 27 a(n + 1), a(0) = 1, a(1) = 28\}$$

Sequence: A170326
Score: 12.115
Type of gen. func.: ogf

$$-28 f(x) x + f(x) - x - 1$$

Sequence: A170326
Score: 14.6656
Type of gen. func.: ogf

$$-\frac{x + 1}{28 x - 1}$$

Sequence: A170326
Score: 15.1722
Type of gen. func.: revogf

$$-14 x - 1/2 + \frac{(784 x^2 + 60 x + 1)^{1/2}}{2}$$

Sequence: A170326
Score: 30.3445
Type of gen. func.: lgdogf

$$-\frac{29}{(x + 1) (28 x - 1)}$$

Sequence: A170326
Score: 7.53096
Type of gen. func.: ogf

$$\{a(n + 2) - 28 a(n + 1), a(0) = 1, a(1) = 29\}$$

Sequence: A170327
Score: 12.2356
Type of gen. func.: ogf

$$-29 f(x) x + f(x) - x - 1$$

Sequence: A170327
Score: 14.5196
Type of gen. func.: revogf

$$-\frac{29\,x}{2} - 1/2 + \frac{(841\,x^2 + 62\,x + 1)^{1/2}}{2}$$

Sequence: A170327
Score: 14.8115
Type of gen. func.: ogf

$$-\frac{x + 1}{29\,x - 1}$$

Sequence: A170327
Score: 30.6525
Type of gen. func.: lgdogf

$$-\frac{30}{(x + 1)\,(29\,x - 1)}$$

Sequence: A170327
Score: 7.60589
Type of gen. func.: ogf

$$\{a(n + 2) - 29\,a(n + 1),\ a(0) = 1,\ a(1) = 30\}$$

Sequence: A170328
Score: 12.2958
Type of gen. func.: ogf

$$-30\,f(x)\,x + f(x) - x - 1$$

Sequence: A170328
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{\quad}$$

$$30 x - 1$$

Sequence: A170328
Score: 15.4033
Type of gen. func.: revogf

$$-15 x - 1/2 + \frac{(900 x^2 + 64 x + 1)^{1/2}}{2}$$

Sequence: A170328
Score: 30.8066
Type of gen. func.: lgdogf

$$- \frac{31}{(x + 1) (30 x - 1)}$$

Sequence: A170328
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 30 a(n + 1), a(0) = 1, a(1) = 31\}$$

Sequence: A170329
Score: 12.2958
Type of gen. func.: ogf

$$-31 f(x) x + f(x) - x - 1$$

Sequence: A170329
Score: 14.5926
Type of gen. func.: revogf

$$- \frac{31 x}{2} - 1/2 + \frac{(961 x^2 + 66 x + 1)^{1/2}}{2}$$

Sequence: A170329
Score: 14.8844

Type of gen. func.: ogf

$$-\frac{x + 1}{31 x - 1}$$

Sequence: A170329
Score: 30.8066
Type of gen. func.: lgdogf

$$-\frac{32}{(x + 1) (31 x - 1)}$$

Sequence: A170329
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 31 a(n + 1), a(0) = 1, a(1) = 32\}$$

Sequence: A170330
Score: 12.7177
Type of gen. func.: ogf

$$-32 f(x) x + f(x) - x - 1$$

Sequence: A170330
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{32 x - 1}$$

Sequence: A170330
Score: 15.5115
Type of gen. func.: revogf

$$- 1/2 - 16 x + \frac{(1024 x^2 + 68 x + 1)^{1/2}}{2}$$

Sequence: A170330
Score: 31.8848
Type of gen. func.: lgdogf

$$- \frac{33}{(x + 1) (32 x - 1)}$$

Sequence: A170330
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 32 a(n + 1), a(0) = 1, a(1) = 33\}$$

Sequence: A170331
Score: 12.7177
Type of gen. func.: ogf

$$-33 f(x) x + f(x) - x - 1$$

Sequence: A170331
Score: 14.7161
Type of gen. func.: revogf

$$- 1/2 - \frac{33 x}{2} + \frac{(1089 x^2 + 70 x + 1)^{1/2}}{2}$$

Sequence: A170331
Score: 15.3952
Type of gen. func.: ogf

$$- \frac{x + 1}{33 x - 1}$$

Sequence: A170331
Score: 31.8848
Type of gen. func.: lgdogf

$$- \frac{34}{\quad}$$

$$(x + 1) (33 x - 1)$$

Sequence: A170331
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 33 a(n + 1), a(0) = 1, a(1) = 34\}$$

Sequence: A170332
Score: 12.7177
Type of gen. func.: ogf

$$-34 f(x) x + f(x) - x - 1$$

Sequence: A170332
Score: 15.3952
Type of gen. func.: ogf

$$- \frac{x + 1}{34 x - 1}$$

Sequence: A170332
Score: 15.5115
Type of gen. func.: revogf

$$- 1/2 - 17 x + \frac{(1156 x^2 + 72 x + 1)^{1/2}}{2}$$

Sequence: A170332
Score: 31.8848
Type of gen. func.: lgdogf

$$- \frac{35}{(x + 1) (34 x - 1)}$$

Sequence: A170332
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n+2) - 34\, a(n+1),\ a(0) = 1,\ a(1) = 35\}$$

Sequence: A170333
Score: 12.8383
Type of gen. func.: ogf

$$-35\, f(x)\, x + f(x) - x - 1$$

Sequence: A170333
Score: 14.1334
Type of gen. func.: revogf

$$-\frac{35\, x}{2} - 1/2 + \frac{((1 + 25\, x)\,(1 + 49\, x))^{1/2}}{2}$$

Sequence: A170333
Score: 15.5411
Type of gen. func.: ogf

$$-\frac{x + 1}{35\, x - 1}$$

Sequence: A170333
Score: 32.1929
Type of gen. func.: lgdogf

$$-\frac{36}{(x + 1)\,(35\, x - 1)}$$

Sequence: A170333
Score: 7.98057
Type of gen. func.: ogf

$$\{a(n+2) - 35\, a(n+1),\ a(0) = 1,\ a(1) = 36\}$$

Sequence: A170334

Score: 11.1854
Type of gen. func.: ogf

$$-36 f(x) x + f(x) - x - 1$$

Sequence: A170334
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{36 x - 1}$$

Sequence: A170334
Score: 13.6134
Type of gen. func.: revogf

$$- 1/2 - 18 x + \frac{(1296 x^2 + 76 x + 1)^{1/2}}{2}$$

Sequence: A170334
Score: 27.9832
Type of gen. func.: lgdogf

$$-\frac{37}{(x + 1) (36 x - 1)}$$

Sequence: A170334
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 36 a(n + 1), a(0) = 1, a(1) = 37\}$$

Sequence: A170335
Score: 11.1854
Type of gen. func.: ogf

$$-37 f(x) x + f(x) - x - 1$$

Sequence: A170335
Score: 12.9153
Type of gen. func.: revogf

$$-\frac{1}{2}-\frac{37x}{2}+\frac{(1369x^2+78x+1)^{1/2}}{2}$$

Sequence: A170335
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x+1}{37x-1}$$

Sequence: A170335
Score: 27.9832
Type of gen. func.: lgdogf

$$-\frac{38}{(x+1)(37x-1)}$$

Sequence: A170335
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n+2)-37a(n+1), a(0)=1, a(1)=38\}$$

Sequence: A170336
Score: 11.3032
Type of gen. func.: ogf

$$-38f(x)x+f(x)-x-1$$

Sequence: A170336
Score: 13.6828
Type of gen. func.: ogf

$$-\frac{x+1}{38x-1}$$

Sequence: A170336
Score: 13.7598
Type of gen. func.: revogf

$$-\frac{1}{2} - 19 x + \frac{(1444 x^2 + 80 x + 1)^{1/2}}{2}$$

Sequence: A170336
Score: 28.2841
Type of gen. func.: lgdogf

$$-\frac{39}{(x + 1) (38 x - 1)}$$

Sequence: A170336
Score: 7.02630
Type of gen. func.: ogf

$$\{a(n + 2) - 38 a(n + 1), a(0) = 1, a(1) = 39\}$$

Sequence: A170337
Score: 11.362
Type of gen. func.: ogf

$$-39 f(x) x + f(x) - x - 1$$

Sequence: A170337
Score: 13.1236
Type of gen. func.: revogf

$$-\frac{39 x}{2} - 1/2 + \frac{(1521 x^2 + 82 x + 1)^{1/2}}{2}$$

Sequence: A170337
Score: 13.7541
Type of gen. func.: ogf

$$-\frac{x + 1}{39 x - 1}$$

Sequence: A170337
Score: 28.4345
Type of gen. func.: lgdogf

$$-\frac{40}{(x + 1) (39 x - 1)}$$

Sequence: A170337
Score: 7.06289
Type of gen. func.: ogf

$$\{a(n + 2) - 39 a(n + 1), a(0) = 1, a(1) = 40\}$$

Sequence: A170338
Score: 11.4798
Type of gen. func.: ogf

$$-40 f(x) x + f(x) - x - 1$$

Sequence: A170338
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{40 x - 1}$$

Sequence: A170338
Score: 13.9794
Type of gen. func.: revogf

$$-20 x - 1/2 + \frac{(1600 x^2 + 84 x + 1)^{1/2}}{2}$$

Sequence: A170338
Score: 28.7354
Type of gen. func.: lgdogf

$$-\frac{41}{(x+1)(40x-1)}$$

Sequence: A170338
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n+2) - 40\,a(n+1),\ a(0) = 1,\ a(1) = 41\}$$

Sequence: A170339
Score: 11.4798
Type of gen. func.: ogf

$$-41\,f(x)\,x + f(x) - x - 1$$

Sequence: A170339
Score: 13.2625
Type of gen. func.: revogf

$$-1/2 - \frac{41x}{2} + \frac{(1681x^2 + 86x + 1)^{1/2}}{2}$$

Sequence: A170339
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x+1}{41x-1}$$

Sequence: A170339
Score: 28.7354
Type of gen. func.: lgdogf

$$-\frac{42}{(x+1)(41x-1)}$$

Sequence: A170339
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 41 a(n + 1), a(0) = 1, a(1) = 42\}$$

Sequence: A170340
Score: 11.5386
Type of gen. func.: ogf

$$-42 f(x) x + f(x) - x - 1$$

Sequence: A170340
Score: 13.9678
Type of gen. func.: ogf

$$- \frac{x + 1}{42 x - 1}$$

Sequence: A170340
Score: 14.0526
Type of gen. func.: revogf

$$- 1/2 - 21 x + \frac{(1764 x^2 + 88 x + 1)^{1/2}}{2}$$

Sequence: A170340
Score: 28.8859
Type of gen. func.: lgdogf

$$- \frac{43}{(x + 1) (42 x - 1)}$$

Sequence: A170340
Score: 7.17268
Type of gen. func.: ogf

$$\{a(n + 2) - 42 a(n + 1), a(0) = 1, a(1) = 43\}$$

Sequence: A170341
Score: 11.5975
Type of gen. func.: ogf

$$-43 f(x) x + f(x) - x - 1$$

Sequence: A170341
Score: 13.4014
Type of gen. func.: revogf

$$- 1/2 - \frac{43 x}{2} + \frac{(1849 x^2 + 90 x + 1)^{1/2}}{2}$$

Sequence: A170341
Score: 14.0391
Type of gen. func.: ogf

$$- \frac{x + 1}{43 x - 1}$$

Sequence: A170341
Score: 29.0363
Type of gen. func.: lgdogf

$$- \frac{44}{(x + 1) (43 x - 1)}$$

Sequence: A170341
Score: 7.20927
Type of gen. func.: ogf

$$\{a(n + 2) - 43 a(n + 1), a(0) = 1, a(1) = 44\}$$

Sequence: A170342
Score: 11.7153

Type of gen. func.: ogf

$$-44 f(x) x + f(x) - x - 1$$

Sequence: A170342
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{44 x - 1}$$

Sequence: A170342
Score: 14.2722
Type of gen. func.: revogf

$$- 1/2 - 22 x + \frac{(1936 x^2 + 92 x + 1)^{1/2}}{2}$$

Sequence: A170342
Score: 29.3372
Type of gen. func.: lgdogf

$$-\frac{45}{(x + 1) (44 x - 1)}$$

Sequence: A170342
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 44 a(n + 1), a(0) = 1, a(1) = 45\}$$

Sequence: A170343
Score: 11.7153
Type of gen. func.: ogf

$$-45 f(x) x + f(x) - x - 1$$

Sequence: A170343
Score: 13.5403
Type of gen. func.: revogf

$$- 1/2 - \frac{45 x}{2} + \frac{(2025 x^2 + 94 x + 1)^{1/2}}{2}$$

Sequence: A170343
Score: 14.1816
Type of gen. func.: ogf

$$- \frac{x + 1}{45 x - 1}$$

Sequence: A170343
Score: 29.3372
Type of gen. func.: lgdogf

$$- \frac{46}{(x + 1) (45 x - 1)}$$

Sequence: A170343
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 45 a(n + 1), a(0) = 1, a(1) = 46\}$$

Sequence: A170344
Score: 11.7153
Type of gen. func.: ogf

$$-46 f(x) x + f(x) - x - 1$$

Sequence: A170344
Score: 14.1816
Type of gen. func.: ogf

$$- \frac{x + 1}{46 x - 1}$$

Sequence: A170344
Score: 14.2722
Type of gen. func.: revogf

$$-\frac{1}{2} - 23x + \frac{(2116x^2 + 96x + 1)^{1/2}}{2}$$

Sequence: A170344
Score: 29.3372
Type of gen. func.: lgdogf

$$-\frac{47}{(x+1)(46x-1)}$$

Sequence: A170344
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n+2) - 46\,a(n+1),\ a(0) = 1,\ a(1) = 47\}$$

Sequence: A170345
Score: 11.9507
Type of gen. func.: ogf

$$-47\,f(x)\,x + f(x) - x - 1$$

Sequence: A170345
Score: 13.8180
Type of gen. func.: revogf

$$-\frac{47x}{2} - \frac{1}{2} + \frac{(2209x^2 + 98x + 1)^{1/2}}{2}$$

Sequence: A170345
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{47 x - 1}$$

Sequence: A170345
Score: 29.9390
Type of gen. func.: lgdogf

$$-\frac{48}{(x + 1) (47 x - 1)}$$

Sequence: A170345
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 47 a(n + 1), a(0) = 1, a(1) = 48\}$$

Sequence: A170346
Score: 11.9507
Type of gen. func.: ogf

$$-48 f(x) x + f(x) - x - 1$$

Sequence: A170346
Score: 13.8180
Type of gen. func.: revogf

$$- 1/2 - 24 x + \frac{((1 + 36 x) (64 x + 1))^{1/2}}{2}$$

Sequence: A170346
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{48 x - 1}$$

Sequence: A170346
Score: 29.9390
Type of gen. func.: lgdogf

$$-\frac{49}{(x + 1) (48 x - 1)}$$

Sequence: A170346
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 48 a(n + 1), a(0) = 1, a(1) = 49\}$$

Sequence: A170347
Score: 11.9507
Type of gen. func.: ogf

$$-49 f(x) x + f(x) - x - 1$$

Sequence: A170347
Score: 13.4725
Type of gen. func.: revogf

$$- 1/2 - \frac{49 x}{2} + \frac{(2401 x^2 + 102 x + 1)^{1/2}}{2}$$

Sequence: A170347
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{49 x - 1}$$

Sequence: A170347
Score: 29.9390
Type of gen. func.: lgdogf

$$-\frac{50}{(x + 1) (49 x - 1)}$$

Sequence: A170347
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 49 a(n + 1), a(0) = 1, a(1) = 50\}$$

Sequence: A170348
Score: 15.8654
Type of gen. func.: ogf

$$-2 f(x) x + f(x) - x - 1$$

Sequence: A170348
Score: 19.2957
Type of gen. func.: ogf

$$-\frac{x + 1}{2 x - 1}$$

Sequence: A170348
Score: 23.3360
Type of gen. func.: revogf

$$-x - 1/2 + \frac{(4 x^2 + 8 x + 1)^{1/2}}{2}$$

Sequence: A170348
Score: 43.7550
Type of gen. func.: lgdogf

$$-\frac{3}{(2 x - 1) (x + 1)}$$

Sequence: A170348
Score: 9.91586
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 3\}$$

Sequence: A170349
Score: 14.5528
Type of gen. func.: ogf

$$-3 f(x) x + f(x) - x - 1$$

Sequence: A170349
Score: 17.6994
Type of gen. func.: ogf

$$-\frac{x + 1}{3 x - 1}$$

Sequence: A170349
Score: 17.8290
Type of gen. func.: revogf

$$-\frac{3 x}{2} - 1/2 + \frac{((x + 1) (1 + 9 x))^{1/2}}{2}$$

Sequence: A170349
Score: 37.7556
Type of gen. func.: lgdogf

$$-\frac{4}{(3 x - 1) (x + 1)}$$

Sequence: A170349
Score: 9.09553
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 4\}$$

Sequence: A170350
Score: 14.619
Type of gen. func.: ogf

$$-4 f(x) x + f(x) - x - 1$$

Sequence: A170350
Score: 17.7799
Type of gen. func.: ogf

$$-\frac{x + 1}{4 x - 1}$$

Sequence: A170350
Score: 18.9748
Type of gen. func.: revogf

$$-2 x - 1/2 + \frac{(16 x^2 + 12 x + 1)^{1/2}}{2}$$

Sequence: A170350
Score: 40.3215
Type of gen. func.: lgdogf

$$-\frac{5}{(x + 1) (4 x - 1)}$$

Sequence: A170350
Score: 9.13689
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 5\}$$

Sequence: A170351
Score: 13.6693
Type of gen. func.: ogf

$$-5 f(x) x + f(x) - x - 1$$

Sequence: A170351

Score: 16.6248
Type of gen. func.: ogf

$$-\frac{x + 1}{5 x - 1}$$

Sequence: A170351
Score: 16.7431
Type of gen. func.: revogf

$$- 1/2 - \frac{5 x}{2} + \frac{(25 x^2 + 14 x + 1)^{1/2}}{2}$$

Sequence: A170351
Score: 37.6720
Type of gen. func.: lgdogf

$$-\frac{6}{(x + 1) (5 x - 1)}$$

Sequence: A170351
Score: 8.54329
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1), a(0) = 1, a(1) = 6\}$$

Sequence: A170352
Score: 13.4636
Type of gen. func.: ogf

$$-6 f(x) x + f(x) - x - 1$$

Sequence: A170352
Score: 16.3746
Type of gen. func.: ogf

$$-\frac{x + 1}{-1 + 6 x}$$

Sequence: A170352
Score: 17.4612
Type of gen. func.: revogf

$$-3 x - 1/2 + \frac{(36 x^2 + 16 x + 1)^{1/2}}{2}$$

Sequence: A170352
Score: 37.1051
Type of gen. func.: lgdogf

$$- \frac{7}{(x + 1) (-1 + 6 x)}$$

Sequence: A170352
Score: 8.41471
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 7\}$$

Sequence: A170353
Score: 12.9815
Type of gen. func.: ogf

$$-7 f(x) x + f(x) - x - 1$$

Sequence: A170353
Score: 15.7883
Type of gen. func.: ogf

$$- \frac{x + 1}{7 x - 1}$$

Sequence: A170353
Score: 15.8940
Type of gen. func.: revogf

$$^{2} \qquad\qquad ^{1/2}$$

$$- 1/2 - \frac{7 x}{2} + \frac{(49 x + 18 x + 1)}{2}$$

Sequence: A170353
Score: 35.7615
Type of gen. func.: lgdogf

$$- \frac{8}{(x + 1) (7 x - 1)}$$

Sequence: A170353
Score: 8.11343
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1), a(0) = 1, a(1) = 8\}$$

Sequence: A170354
Score: 13.6472
Type of gen. func.: ogf

$$-8 f(x) x + f(x) - x - 1$$

Sequence: A170354
Score: 16.2741
Type of gen. func.: revogf

$$-4 x - 1/2 + \frac{((4 x + 1) (1 + 16 x))^{1/2}}{2}$$

Sequence: A170354
Score: 16.5980
Type of gen. func.: ogf

$$- \frac{x + 1}{8 x - 1}$$

Sequence: A170354

Score: 37.6339
Type of gen. func.: lgdogf

$$-\frac{9}{(x + 1) (8 x - 1)}$$

Sequence: A170354
Score: 8.52951
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 9\}$$

Sequence: A170355
Score: 12.7592
Type of gen. func.: ogf

$$-9 f(x) x + f(x) - x - 1$$

Sequence: A170355
Score: 15.5180
Type of gen. func.: ogf

$$-\frac{x + 1}{9 x - 1}$$

Sequence: A170355
Score: 15.6219
Type of gen. func.: revogf

$$- 1/2 - \frac{9 x}{2} + \frac{(81 x^2 + 22 x + 1)^{1/2}}{2}$$

Sequence: A170355
Score: 33.0816
Type of gen. func.: lgdogf

$$-\frac{10}{(x + 1) (9 x - 1)}$$

Sequence: A170355
Score: 7.86529
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 10\}$$

Sequence: A170356
Score: 12.0642
Type of gen. func.: ogf

$$-10 f(x) x + f(x) - x - 1$$

Sequence: A170356
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x + 1}{10 x - 1}$$

Sequence: A170356
Score: 15.5254
Type of gen. func.: revogf

$$-5 x - 1/2 + \frac{(100 x^2 + 24 x + 1)^{1/2}}{2}$$

Sequence: A170356
Score: 30.1883
Type of gen. func.: lgdogf

$$-\frac{11}{(x + 1) (10 x - 1)}$$

Sequence: A170356
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 11\}$$

Sequence: A170357
Score: 12.0642
Type of gen. func.: ogf

$$-11 f(x) x + f(x) - x - 1$$

Sequence: A170357
Score: 14.2997
Type of gen. func.: revogf

$$- 1/2 - \frac{11 x}{2} + \frac{(121 x^2 + 26 x + 1)^{1/2}}{2}$$

Sequence: A170357
Score: 14.6040
Type of gen. func.: ogf

$$- \frac{x + 1}{11 x - 1}$$

Sequence: A170357
Score: 30.1883
Type of gen. func.: lgdogf

$$- \frac{12}{(x + 1) (11 x - 1)}$$

Sequence: A170357
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1), a(0) = 1, a(1) = 12\}$$

Sequence: A170358
Score: 10.9017
Type of gen. func.: ogf

$$-12 f(x) x + f(x) - x - 1$$

Sequence: A170358
Score: 13.1968
Type of gen. func.: ogf

$$-\frac{x + 1}{12 x - 1}$$

Sequence: A170358
Score: 14.0042
Type of gen. func.: revogf

$$- 1/2 - 6 x + \frac{(144 x^2 + 28 x + 1)^{1/2}}{2}$$

Sequence: A170358
Score: 27.2303
Type of gen. func.: lgdogf

$$-\frac{13}{(x + 1) (12 x - 1)}$$

Sequence: A170358
Score: 6.77673
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1), a(0) = 1, a(1) = 13\}$$

Sequence: A170359
Score: 11.1481
Type of gen. func.: ogf

$$-13 f(x) x + f(x) - x - 1$$

Sequence: A170359
Score: 13.1968

Type of gen. func.: revogf

$$-\frac{1}{2} - \frac{13x}{2} + \frac{(169x^2 + 30x + 1)^{1/2}}{2}$$

Sequence: A170359
Score: 13.4950
Type of gen. func.: ogf

$$-\frac{x+1}{13x-1}$$

Sequence: A170359
Score: 27.8599
Type of gen. func.: lgdogf

$$-\frac{14}{(x+1)(13x-1)}$$

Sequence: A170359
Score: 6.92988
Type of gen. func.: ogf

$$\{a(n+2) - 13\,a(n+1),\ a(0) = 1,\ a(1) = 14\}$$

Sequence: A170360
Score: 11.456
Type of gen. func.: ogf

$$-14 f(x) x + f(x) - x - 1$$

Sequence: A170360
Score: 13.8678
Type of gen. func.: ogf

$$-\frac{x+1}{14x-1}$$

Sequence: A170360
Score: 14.7327
Type of gen. func.: revogf

$$-\frac{1}{2} - 7 x + \frac{(196 x^2 + 32 x + 1)^{1/2}}{2}$$

Sequence: A170360
Score: 28.6469
Type of gen. func.: lgdogf

$$-\frac{15}{(x + 1) (14 x - 1)}$$

Sequence: A170360
Score: 7.12131
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1), a(0) = 1, a(1) = 15\}$$

Sequence: A170361
Score: 11.6408
Type of gen. func.: ogf

$$-15 f(x) x + f(x) - x - 1$$

Sequence: A170361
Score: 13.1036
Type of gen. func.: revogf

$$-\frac{1}{2} - \frac{15 x}{2} + \frac{((1 + 9 x) (1 + 25 x))^{1/2}}{2}$$

Sequence: A170361
Score: 14.0915
Type of gen. func.: ogf

$$x + 1$$

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- --------
  15 x - 1
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Sequence: A170361
Score: 29.1191
Type of gen. func.: lgdogf

$$-\frac{16}{(x + 1) (15 x - 1)}$$

Sequence: A170361
Score: 7.23618
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1), a(0) = 1, a(1) = 16\}$$

Sequence: A170362
Score: 11.9488
Type of gen. func.: ogf

$$-16 f(x) x + f(x) - x - 1$$

Sequence: A170362
Score: 14.4643
Type of gen. func.: ogf

$$-\frac{x + 1}{16 x - 1}$$

Sequence: A170362
Score: 15.3803
Type of gen. func.: revogf

$$- 1/2 - 8 x + \frac{(256 x^2 + 36 x + 1)^{1/2}}{2}$$

Sequence: A170362
Score: 29.9061

Type of gen. func.: lgdogf

$$-\frac{17}{(x+1)(16x-1)}$$

Sequence: A170362
Score: 7.42761
Type of gen. func.: ogf

$$\{a(n+2) - 16\,a(n+1),\ a(0) = 1,\ a(1) = 17\}$$

Sequence: A170363
Score: 12.1335
Type of gen. func.: ogf

$$-17\,f(x)\,x + f(x) - x - 1$$

Sequence: A170363
Score: 14.3897
Type of gen. func.: revogf

$$-1/2 - \frac{17x}{2} + \frac{(289x^2 + 38x + 1)^{1/2}}{2}$$

Sequence: A170363
Score: 14.6879
Type of gen. func.: ogf

$$-\frac{x+1}{17x-1}$$

Sequence: A170363
Score: 30.3783
Type of gen. func.: lgdogf

$$-\frac{18}{(x+1)(17x-1)}$$

Sequence: A170363
Score: 7.54246
Type of gen. func.: ogf

$$\{a(n+2) - 17\, a(n+1),\ a(0) = 1,\ a(1) = 18\}$$

Sequence: A170364
Score: 10.789
Type of gen. func.: ogf

$$-18 f(x) x + f(x) - x - 1$$

Sequence: A170364
Score: 13.0604
Type of gen. func.: ogf

$$-\frac{x+1}{18x-1}$$

Sequence: A170364
Score: 13.8630
Type of gen. func.: revogf

$$-1/2 - 9x + \frac{(324x^2 + 40x + 1)^{1/2}}{2}$$

Sequence: A170364
Score: 26.9557
Type of gen. func.: lgdogf

$$-\frac{19}{(x+1)(18x-1)}$$

Sequence: A170364
Score: 6.70668
Type of gen. func.: ogf

$$\{a(n+2) - 18\, a(n+1),\ a(0) = 1,\ a(1) = 19\}$$

Sequence: A170365
Score: 10.9095
Type of gen. func.: ogf

$$-19 f(x) x + f(x) - x - 1$$

Sequence: A170365
Score: 12.9144
Type of gen. func.: revogf

$$- 1/2 - \frac{19 x}{2} + \frac{(361 x^2 + 42 x + 1)^{1/2}}{2}$$

Sequence: A170365
Score: 13.2063
Type of gen. func.: ogf

$$- \frac{x + 1}{19 x - 1}$$

Sequence: A170365
Score: 27.2638
Type of gen. func.: lgdogf

$$- \frac{20}{(x + 1) (19 x - 1)}$$

Sequence: A170365
Score: 6.78161
Type of gen. func.: ogf

$$\{a(n + 2) - 19 a(n + 1), a(0) = 1, a(1) = 20\}$$

Sequence: A170366
Score: 11.0904
Type of gen. func.: ogf

$$-20 f(x) x + f(x) - x - 1$$

Sequence: A170366
Score: 13.4252
Type of gen. func.: ogf

$$-\frac{x + 1}{20 x - 1}$$

Sequence: A170366
Score: 13.8630
Type of gen. func.: revogf

$$-1/2 - 10 x + \frac{(400 x^2 + 44 x + 1)^{1/2}}{2}$$

Sequence: A170366
Score: 26.2666
Type of gen. func.: lgdogf

$$-\frac{21}{(x + 1) (20 x - 1)}$$

Sequence: A170366
Score: 6.89401
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1), a(0) = 1, a(1) = 21\}$$

Sequence: A170367
Score: 11.1506
Type of gen. func.: ogf

$$-21 f(x) x + f(x) - x - 1$$

Sequence: A170367
Score: 13.2063
Type of gen. func.: revogf

$$- 1/2 - \frac{21 x}{2} + \frac{(441 x^2 + 46 x + 1)^{1/2}}{2}$$

Sequence: A170367
Score: 13.4981
Type of gen. func.: ogf

$$- \frac{x + 1}{21 x - 1}$$

Sequence: A170367
Score: 27.8799
Type of gen. func.: lgdogf

$$- \frac{22}{(x + 1) (21 x - 1)}$$

Sequence: A170367
Score: 6.93147
Type of gen. func.: ogf

$$\{a(n + 2) - 21 a(n + 1), a(0) = 1, a(1) = 22\}$$

Sequence: A170368
Score: 11.452
Type of gen. func.: ogf

$$-22 f(x) x + f(x) - x - 1$$

Sequence: A170368
Score: 13.8629
Type of gen. func.: ogf

$$- \frac{x + 1}{22 x - 1}$$

Sequence: A170368
Score: 14.3250
Type of gen. func.: revogf

$$- 1/2 - 11 x + \frac{(484 x^2 + 48 x + 1)^{1/2}}{2}$$

Sequence: A170368
Score: 28.6501
Type of gen. func.: lgdogf

$$- \frac{23}{(x + 1) (22 x - 1)}$$

Sequence: A170368
Score: 7.11881
Type of gen. func.: ogf

$$\{a(n + 2) - 22 a(n + 1), a(0) = 1, a(1) = 23\}$$

Sequence: A170369
Score: 11.5123
Type of gen. func.: ogf

$$-23 f(x) x + f(x) - x - 1$$

Sequence: A170369
Score: 13.6441
Type of gen. func.: revogf

$$- \frac{23 x}{2} - 1/2 + \frac{(529 x^2 + 50 x + 1)^{1/2}}{2}$$

Sequence: A170369
Score: 13.9359
Type of gen. func.: ogf

$$- \frac{x + 1}{}$$

$$23 x - 1$$

Sequence: A170369
Score: 28.8041
Type of gen. func.: lgdogf

$$-\frac{24}{(x + 1) (23 x - 1)}$$

Sequence: A170369
Score: 7.15628
Type of gen. func.: ogf

$$\{a(n + 2) - 23 a(n + 1), a(0) = 1, a(1) = 24\}$$

Sequence: A170370
Score: 11.6328
Type of gen. func.: ogf

$$-24 f(x) x + f(x) - x - 1$$

Sequence: A170370
Score: 13.4364
Type of gen. func.: revogf

$$-12 x - 1/2 + \frac{((1 + 16 x) (1 + 36 x))^{1/2}}{2}$$

Sequence: A170370
Score: 14.0818
Type of gen. func.: ogf

$$-\frac{x + 1}{24 x - 1}$$

Sequence: A170370
Score: 29.1122
Type of gen. func.: lgdogf

$$-\frac{25}{(x+1)(24x-1)}$$

Sequence: A170370
Score: 7.23122
Type of gen. func.: ogf

$$\{a(n+2) - 24\,a(n+1),\ a(0) = 1,\ a(1) = 25\}$$

Sequence: A170371
Score: 11.7534
Type of gen. func.: ogf

$$-25 f(x) x + f(x) - x - 1$$

Sequence: A170371
Score: 13.9359
Type of gen. func.: revogf

$$-1/2 - \frac{25x}{2} + \frac{(625x^2 + 54x + 1)^{1/2}}{2}$$

Sequence: A170371
Score: 14.2278
Type of gen. func.: ogf

$$-\frac{x+1}{25x-1}$$

Sequence: A170371
Score: 29.4203
Type of gen. func.: lgdogf

$$-\frac{26}{(x+1)(25x-1)}$$

Sequence: A170371
Score: 7.30615
Type of gen. func.: ogf

$$\{a(n + 2) - 25 a(n + 1), a(0) = 1, a(1) = 26\}$$

Sequence: A170372
Score: 11.8739
Type of gen. func.: ogf

$$-26 f(x) x + f(x) - x - 1$$

Sequence: A170372
Score: 14.3737
Type of gen. func.: ogf

$$-\frac{x + 1}{26 x - 1}$$

Sequence: A170372
Score: 14.8642
Type of gen. func.: revogf

$$-13 x - 1/2 + \frac{(676 x^2 + 56 x + 1)^{1/2}}{2}$$

Sequence: A170372
Score: 29.7283
Type of gen. func.: lgdogf

$$-\frac{27}{(x + 1) (26 x - 1)}$$

Sequence: A170372
Score: 7.38108
Type of gen. func.: ogf

$$\{a(n + 2) - 26 a(n + 1), a(0) = 1, a(1) = 27\}$$

Sequence: A170373
Score: 12.0547
Type of gen. func.: ogf

$$-27 f(x) x + f(x) - x - 1$$

Sequence: A170373
Score: 14.3007
Type of gen. func.: revogf

$$-\frac{27 x}{2} - 1/2 + \frac{(729 x^2 + 58 x + 1)^{1/2}}{2}$$

Sequence: A170373
Score: 14.5926
Type of gen. func.: ogf

$$-\frac{x + 1}{27 x - 1}$$

Sequence: A170373
Score: 30.1904
Type of gen. func.: lgdogf

$$-\frac{28}{(x + 1) (27 x - 1)}$$

Sequence: A170373
Score: 7.49349
Type of gen. func.: ogf

$$\{a(n + 2) - 27 a(n + 1), a(0) = 1, a(1) = 28\}$$

Sequence: A170374
Score: 12.115
Type of gen. func.: ogf

$$-28 f(x) x + f(x) - x - 1$$

Sequence: A170374
Score: 14.6656
Type of gen. func.: ogf

$$-\frac{x+1}{28x-1}$$

Sequence: A170374
Score: 15.1722
Type of gen. func.: revogf

$$-14x-1/2+\frac{(784x^2+60x+1)^{1/2}}{2}$$

Sequence: A170374
Score: 30.3445
Type of gen. func.: lgdogf

$$-\frac{29}{(x+1)(28x-1)}$$

Sequence: A170374
Score: 7.53096
Type of gen. func.: ogf

$$\{a(n+2)-28a(n+1), a(0)=1, a(1)=29\}$$

Sequence: A170375
Score: 12.2356
Type of gen. func.: ogf

$$-29f(x)x+f(x)-x-1$$

Sequence: A170375
Score: 14.5196
Type of gen. func.: revogf

$$-\frac{29x}{2} - 1/2 + \frac{(841x^2 + 62x + 1)^{1/2}}{2}$$

Sequence: A170375
Score: 14.8115
Type of gen. func.: ogf

$$-\frac{x+1}{29x-1}$$

Sequence: A170375
Score: 30.6525
Type of gen. func.: lgdogf

$$-\frac{30}{(x+1)(29x-1)}$$

Sequence: A170375
Score: 7.60589
Type of gen. func.: ogf

$$\{a(n+2) - 29a(n+1), a(0) = 1, a(1) = 30\}$$

Sequence: A170376
Score: 12.2958
Type of gen. func.: ogf

$$-30f(x)x + f(x) - x - 1$$

Sequence: A170376
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x+1}{30x-1}$$

Sequence: A170376
Score: 15.4033
Type of gen. func.: revogf

$$-15 x - 1/2 + \frac{(900 x^2 + 64 x + 1)^{1/2}}{2}$$

Sequence: A170376
Score: 30.8066
Type of gen. func.: lgdogf

$$- \frac{31}{(x + 1) (30 x - 1)}$$

Sequence: A170376
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 30 a(n + 1), a(0) = 1, a(1) = 31\}$$

Sequence: A170377
Score: 12.2958
Type of gen. func.: ogf

$$-31 f(x) x + f(x) - x - 1$$

Sequence: A170377
Score: 14.5926
Type of gen. func.: revogf

$$- \frac{31 x}{2} - 1/2 + \frac{(961 x^2 + 66 x + 1)^{1/2}}{2}$$

Sequence: A170377
Score: 14.8844
Type of gen. func.: ogf

$$- \frac{x + 1}{31 x - 1}$$

Sequence: A170377
Score: 30.8066
Type of gen. func.: lgdogf

$$-\frac{32}{(x+1)(31x-1)}$$

Sequence: A170377
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n+2) - 31\,a(n+1),\ a(0) = 1,\ a(1) = 32\}$$

Sequence: A170378
Score: 12.7177
Type of gen. func.: ogf

$$-32\,f(x)\,x + f(x) - x - 1$$

Sequence: A170378
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x+1}{32x-1}$$

Sequence: A170378
Score: 15.5115
Type of gen. func.: revogf

$$-1/2 - 16x + \frac{(1024x^2 + 68x + 1)^{1/2}}{2}$$

Sequence: A170378
Score: 31.8848
Type of gen. func.: lgdogf

$$-\frac{33}{(x + 1) (32 x - 1)}$$

Sequence: A170378
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 32 a(n + 1), a(0) = 1, a(1) = 33\}$$

Sequence: A170379
Score: 12.7177
Type of gen. func.: ogf

$$-33 f(x) x + f(x) - x - 1$$

Sequence: A170379
Score: 14.7161
Type of gen. func.: revogf

$$- 1/2 - \frac{33 x}{2} + \frac{(1089 x^{2} + 70 x + 1)^{1/2}}{2}$$

Sequence: A170379
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{33 x - 1}$$

Sequence: A170379
Score: 31.8848
Type of gen. func.: lgdogf

$$-\frac{34}{(x + 1) (33 x - 1)}$$

Sequence: A170379
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n+2) - 33\, a(n+1),\ a(0) = 1,\ a(1) = 34\}$$

Sequence: A170380
Score: 12.7177
Type of gen. func.: ogf

$$-34\, f(x)\, x + f(x) - x - 1$$

Sequence: A170380
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x+1}{34\, x - 1}$$

Sequence: A170380
Score: 15.5115
Type of gen. func.: revogf

$$-1/2 - 17\, x + \frac{(1156\, x^2 + 72\, x + 1)^{1/2}}{2}$$

Sequence: A170380
Score: 31.8848
Type of gen. func.: lgdogf

$$-\frac{35}{(x+1)(34\, x - 1)}$$

Sequence: A170380
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n+2) - 34\, a(n+1),\ a(0) = 1,\ a(1) = 35\}$$

Sequence: A170381
Score: 12.8383
Type of gen. func.: ogf

$$-35 f(x) x + f(x) - x - 1$$

Sequence: A170381
Score: 14.1334
Type of gen. func.: revogf

$$-\frac{35 x}{2} - 1/2 + \frac{((1 + 25 x) (1 + 49 x))^{1/2}}{2}$$

Sequence: A170381
Score: 15.5411
Type of gen. func.: ogf

$$-\frac{x + 1}{35 x - 1}$$

Sequence: A170381
Score: 32.1929
Type of gen. func.: lgdogf

$$-\frac{36}{(x + 1) (35 x - 1)}$$

Sequence: A170381
Score: 7.98057
Type of gen. func.: ogf

$$\{a(n + 2) - 35 a(n + 1), a(0) = 1, a(1) = 36\}$$

Sequence: A170382
Score: 11.1854
Type of gen. func.: ogf

$$-36 f(x) x + f(x) - x - 1$$

Sequence: A170382
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{36 x - 1}$$

Sequence: A170382
Score: 13.6134
Type of gen. func.: revogf

$$- 1/2 - 18 x + \frac{(1296 x^{2} + 76 x + 1)^{1/2}}{2}$$

Sequence: A170382
Score: 27.9832
Type of gen. func.: lgdogf

$$-\frac{37}{(x + 1) (36 x - 1)}$$

Sequence: A170382
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 36 a(n + 1), a(0) = 1, a(1) = 37\}$$

Sequence: A170383
Score: 11.1854
Type of gen. func.: ogf

$$-37 f(x) x + f(x) - x - 1$$

Sequence: A170383
Score: 12.9153
Type of gen. func.: revogf

$$- 1/2 - \frac{37 x}{2} + \frac{(1369 x^2 + 78 x + 1)^{1/2}}{2}$$

Sequence: A170383
Score: 13.5403
Type of gen. func.: ogf

$$- \frac{x + 1}{37 x - 1}$$

Sequence: A170383
Score: 27.9832
Type of gen. func.: lgdogf

$$- \frac{38}{(x + 1) (37 x - 1)}$$

Sequence: A170383
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 37 a(n + 1), a(0) = 1, a(1) = 38\}$$

Sequence: A170384
Score: 11.3032
Type of gen. func.: ogf

$$-38 f(x) x + f(x) - x - 1$$

Sequence: A170384
Score: 13.6828
Type of gen. func.: ogf

$$- \frac{x + 1}{38 x - 1}$$

Sequence: A170384

Score: 13.7598
Type of gen. func.: revogf

$$-\frac{1}{2} - 19x + \frac{(1444x^2 + 80x + 1)^{1/2}}{2}$$

Sequence: A170384
Score: 28.2841
Type of gen. func.: lgdogf

$$-\frac{39}{(x+1)(38x-1)}$$

Sequence: A170384
Score: 7.02630
Type of gen. func.: ogf

$$\{a(n+2) - 38\,a(n+1),\ a(0) = 1,\ a(1) = 39\}$$

Sequence: A170385
Score: 11.362
Type of gen. func.: ogf

$$-39 f(x) x + f(x) - x - 1$$

Sequence: A170385
Score: 13.1236
Type of gen. func.: revogf

$$-\frac{39x}{2} - 1/2 + \frac{(1521x^2 + 82x + 1)^{1/2}}{2}$$

Sequence: A170385
Score: 13.7541
Type of gen. func.: ogf

$$-\frac{x+1}{39x-1}$$

Sequence: A170385
Score: 28.4345
Type of gen. func.: lgdogf

$$-\frac{40}{(x+1)(39x-1)}$$

Sequence: A170385
Score: 7.06289
Type of gen. func.: ogf

$$\{a(n+2) - 39\,a(n+1),\ a(0) = 1,\ a(1) = 40\}$$

Sequence: A170386
Score: 11.4798
Type of gen. func.: ogf

$$-40\,f(x)\,x + f(x) - x - 1$$

Sequence: A170386
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x+1}{40x-1}$$

Sequence: A170386
Score: 13.9794
Type of gen. func.: revogf

$$-20x - 1/2 + \frac{(1600x^2 + 84x + 1)^{1/2}}{2}$$

Sequence: A170386
Score: 28.7354
Type of gen. func.: lgdogf

$$-\frac{41}{(x+1)(40x-1)}$$

Sequence: A170386
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n+2) - 40\,a(n+1),\ a(0) = 1,\ a(1) = 41\}$$

Sequence: A170387
Score: 11.4798
Type of gen. func.: ogf

$$-41\,f(x)\,x + f(x) - x - 1$$

Sequence: A170387
Score: 13.2625
Type of gen. func.: revogf

$$-1/2 - \frac{41x}{2} + \frac{(1681x^2 + 86x + 1)^{1/2}}{2}$$

Sequence: A170387
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x+1}{41x-1}$$

Sequence: A170387
Score: 28.7354
Type of gen. func.: lgdogf

$$-\frac{42}{(x+1)(41x-1)}$$

Sequence: A170387

Score: 7.13608
Type of gen. func.: ogf

$$\{a(n+2) - 41\,a(n+1),\ a(0) = 1,\ a(1) = 42\}$$

Sequence: A170388
Score: 11.5386
Type of gen. func.: ogf

$$-42\,f(x)\,x + f(x) - x - 1$$

Sequence: A170388
Score: 13.9678
Type of gen. func.: ogf

$$-\frac{x+1}{42\,x-1}$$

Sequence: A170388
Score: 14.0526
Type of gen. func.: revogf

$$-1/2 - 21\,x + \frac{(1764\,x^2 + 88\,x + 1)^{1/2}}{2}$$

Sequence: A170388
Score: 28.8859
Type of gen. func.: lgdogf

$$-\frac{43}{(x+1)\,(42\,x-1)}$$

Sequence: A170388
Score: 7.17268
Type of gen. func.: ogf

$$\{a(n+2) - 42\,a(n+1),\ a(0) = 1,\ a(1) = 43\}$$

Sequence: A170389
Score: 11.5975
Type of gen. func.: ogf

$$-43 f(x) x + f(x) - x - 1$$

Sequence: A170389
Score: 13.4014
Type of gen. func.: revogf

$$- 1/2 - \frac{43 x}{2} + \frac{(1849 x^2 + 90 x + 1)^{1/2}}{2}$$

Sequence: A170389
Score: 14.0391
Type of gen. func.: ogf

$$- \frac{x + 1}{43 x - 1}$$

Sequence: A170389
Score: 29.0363
Type of gen. func.: lgdogf

$$- \frac{44}{(x + 1) (43 x - 1)}$$

Sequence: A170389
Score: 7.20927
Type of gen. func.: ogf

$$\{a(n + 2) - 43 a(n + 1), a(0) = 1, a(1) = 44\}$$

Sequence: A170390
Score: 11.7153
Type of gen. func.: ogf

$$-44 f(x) x + f(x) - x - 1$$

Sequence: A170390
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{44 x - 1}$$

Sequence: A170390
Score: 14.2722
Type of gen. func.: revogf

$$-1/2 - 22 x + \frac{(1936 x^{2} + 92 x + 1)^{1/2}}{2}$$

Sequence: A170390
Score: 29.3372
Type of gen. func.: lgdogf

$$-\frac{45}{(x + 1) (44 x - 1)}$$

Sequence: A170390
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 44 a(n + 1), a(0) = 1, a(1) = 45\}$$

Sequence: A170391
Score: 11.7153
Type of gen. func.: ogf

$$-45 f(x) x + f(x) - x - 1$$

Sequence: A170391
Score: 13.5403
Type of gen. func.: revogf

$$2 \qquad\qquad 1/2$$

$$- 1/2 - \frac{45 x}{2} + \frac{(2025 x + 94 x + 1)}{2}$$

Sequence: A170391
Score: 14.1816
Type of gen. func.: ogf

$$- \frac{x + 1}{45 x - 1}$$

Sequence: A170391
Score: 29.3372
Type of gen. func.: lgdogf

$$- \frac{46}{(x + 1) (45 x - 1)}$$

Sequence: A170391
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 45 a(n + 1), a(0) = 1, a(1) = 46\}$$

Sequence: A170392
Score: 11.7153
Type of gen. func.: ogf

$$-46 f(x) x + f(x) - x - 1$$

Sequence: A170392
Score: 14.1816
Type of gen. func.: ogf

$$- \frac{x + 1}{46 x - 1}$$

Sequence: A170392
Score: 14.2722

Type of gen. func.: revogf

$$-\frac{1}{2} - 23 x + \frac{(2116 x^2 + 96 x + 1)^{1/2}}{2}$$

Sequence: A170392
Score: 29.3372
Type of gen. func.: lgdogf

$$-\frac{47}{(x + 1) (46 x - 1)}$$

Sequence: A170392
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 46 a(n + 1), a(0) = 1, a(1) = 47\}$$

Sequence: A170393
Score: 11.9507
Type of gen. func.: ogf

$$-47 f(x) x + f(x) - x - 1$$

Sequence: A170393
Score: 13.8180
Type of gen. func.: revogf

$$-\frac{47 x}{2} - 1/2 + \frac{(2209 x^2 + 98 x + 1)^{1/2}}{2}$$

Sequence: A170393
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{47 x - 1}$$

Sequence: A170393
Score: 29.9390
Type of gen. func.: lgdogf

$$-\frac{48}{(x + 1)(47 x - 1)}$$

Sequence: A170393
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 47 a(n + 1), a(0) = 1, a(1) = 48\}$$

Sequence: A170394
Score: 11.9507
Type of gen. func.: ogf

$$-48 f(x) x + f(x) - x - 1$$

Sequence: A170394
Score: 13.8180
Type of gen. func.: revogf

$$- 1/2 - 24 x + \frac{((1 + 36 x)(64 x + 1))^{1/2}}{2}$$

Sequence: A170394
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{48 x - 1}$$

Sequence: A170394
Score: 29.9390
Type of gen. func.: lgdogf

49

```
- ------------------
  (x + 1) (48 x - 1)
```

Sequence: A170394
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 48 a(n + 1), a(0) = 1, a(1) = 49\}$$

Sequence: A170395
Score: 11.9507
Type of gen. func.: ogf

$$-49 f(x) x + f(x) - x - 1$$

Sequence: A170395
Score: 13.4725
Type of gen. func.: revogf

$$- 1/2 - \frac{49 x}{2} + \frac{(2401 x^2 + 102 x + 1)^{1/2}}{2}$$

Sequence: A170395
Score: 14.4667
Type of gen. func.: ogf

$$- \frac{x + 1}{49 x - 1}$$

Sequence: A170395
Score: 29.9390
Type of gen. func.: lgdogf

$$- \frac{50}{(x + 1) (49 x - 1)}$$

Sequence: A170395
Score: 7.42884

Type of gen. func.: ogf

$$\{a(n+2) - 49\, a(n+1),\ a(0) = 1,\ a(1) = 50\}$$

Sequence: A170396
Score: 15.8654
Type of gen. func.: ogf

$$-2 f(x) x + f(x) - x - 1$$

Sequence: A170396
Score: 19.2957
Type of gen. func.: ogf

$$-\frac{x+1}{2x-1}$$

Sequence: A170396
Score: 23.3360
Type of gen. func.: revogf

$$-x - 1/2 + \frac{(4x^2 + 8x + 1)^{1/2}}{2}$$

Sequence: A170396
Score: 43.7550
Type of gen. func.: lgdogf

$$-\frac{3}{(2x-1)(x+1)}$$

Sequence: A170396
Score: 9.91586
Type of gen. func.: ogf

$$\{a(n+2) - 2\, a(n+1),\ a(0) = 1,\ a(1) = 3\}$$

Sequence: A170397
Score: 14.5528
Type of gen. func.: ogf

$$-3 f(x) x + f(x) - x - 1$$

Sequence: A170397
Score: 17.6994
Type of gen. func.: ogf

$$-\frac{x + 1}{3 x - 1}$$

Sequence: A170397
Score: 17.8290
Type of gen. func.: revogf

$$-\frac{3 x}{2} - 1/2 + \frac{((x + 1) (1 + 9 x))^{1/2}}{2}$$

Sequence: A170397
Score: 37.7556
Type of gen. func.: lgdogf

$$-\frac{4}{(3 x - 1) (x + 1)}$$

Sequence: A170397
Score: 9.09553
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 4\}$$

Sequence: A170398
Score: 14.619
Type of gen. func.: ogf

$$-4 f(x) x + f(x) - x - 1$$

Sequence: A170398
Score: 17.7799
Type of gen. func.: ogf

$$-\frac{x+1}{4x-1}$$

Sequence: A170398
Score: 18.9748
Type of gen. func.: revogf

$$-2x-1/2+\frac{(16x^2+12x+1)^{1/2}}{2}$$

Sequence: A170398
Score: 40.3215
Type of gen. func.: lgdogf

$$-\frac{5}{(x+1)(4x-1)}$$

Sequence: A170398
Score: 9.13689
Type of gen. func.: ogf

$$\{a(n+2)-4a(n+1), a(0)=1, a(1)=5\}$$

Sequence: A170399
Score: 13.6693
Type of gen. func.: ogf

$$-5f(x)x+f(x)-x-1$$

Sequence: A170399
Score: 16.6248
Type of gen. func.: ogf

$$-\frac{x+1}{}$$

$$5x - 1$$

Sequence: A170399
Score: 16.7431
Type of gen. func.: revogf

$$-1/2 - \frac{5x}{2} + \frac{(25x^2 + 14x + 1)^{1/2}}{2}$$

Sequence: A170399
Score: 37.6720
Type of gen. func.: lgdogf

$$-\frac{6}{(x + 1)(5x - 1)}$$

Sequence: A170399
Score: 8.54329
Type of gen. func.: ogf

$$\{a(n + 2) - 5a(n + 1), a(0) = 1, a(1) = 6\}$$

Sequence: A170400
Score: 13.4636
Type of gen. func.: ogf

$$-6 f(x) x + f(x) - x - 1$$

Sequence: A170400
Score: 16.3746
Type of gen. func.: ogf

$$-\frac{x + 1}{-1 + 6x}$$

Sequence: A170400
Score: 17.4612
Type of gen. func.: revogf

$$-3x - 1/2 + \frac{(36x^2 + 16x + 1)^{1/2}}{2}$$

Sequence: A170400
Score: 37.1051
Type of gen. func.: lgdogf

$$-\frac{7}{(x+1)(-1+6x)}$$

Sequence: A170400
Score: 8.41471
Type of gen. func.: ogf

$$\{a(n+2) - 6\,a(n+1),\ a(0) = 1,\ a(1) = 7\}$$

Sequence: A170401
Score: 12.9815
Type of gen. func.: ogf

$$-7\,f(x)\,x + f(x) - x - 1$$

Sequence: A170401
Score: 15.7883
Type of gen. func.: ogf

$$-\frac{x+1}{7x-1}$$

Sequence: A170401
Score: 15.8940
Type of gen. func.: revogf

$$-1/2 - \frac{7x}{2} + \frac{(49x^2 + 18x + 1)^{1/2}}{2}$$

Sequence: A170401
Score: 35.7615
Type of gen. func.: lgdogf

$$-\frac{8}{(x+1)(7x-1)}$$

Sequence: A170401
Score: 8.11343
Type of gen. func.: ogf

$$\{a(n+2)-7a(n+1),\ a(0)=1,\ a(1)=8\}$$

Sequence: A170402
Score: 13.6472
Type of gen. func.: ogf

$$-8 f(x) x + f(x) - x - 1$$

Sequence: A170402
Score: 16.2741
Type of gen. func.: revogf

$$-4x - 1/2 + \frac{((4x+1)(1+16x))^{1/2}}{2}$$

Sequence: A170402
Score: 16.5980
Type of gen. func.: ogf

$$-\frac{x+1}{8x-1}$$

Sequence: A170402
Score: 37.6339
Type of gen. func.: lgdogf

$$-\frac{9}{}$$

$$(x + 1) (8 x - 1)$$

Sequence: A170402
Score: 8.52951
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 9\}$$

Sequence: A170403
Score: 12.7592
Type of gen. func.: ogf

$$-9 f(x) x + f(x) - x - 1$$

Sequence: A170403
Score: 15.5180
Type of gen. func.: ogf

$$- \frac{x + 1}{9 x - 1}$$

Sequence: A170403
Score: 15.6219
Type of gen. func.: revogf

$$- 1/2 - \frac{9 x}{2} + \frac{(81 x^2 + 22 x + 1)^{1/2}}{2}$$

Sequence: A170403
Score: 33.0816
Type of gen. func.: lgdogf

$$- \frac{10}{(x + 1) (9 x - 1)}$$

Sequence: A170403
Score: 7.86529
Type of gen. func.: ogf

{a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 10}

Sequence: A170404
Score: 12.0642
Type of gen. func.: ogf

$$-10 f(x) x + f(x) - x - 1$$

Sequence: A170404
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x + 1}{10 x - 1}$$

Sequence: A170404
Score: 15.5254
Type of gen. func.: revogf

$$-5 x - 1/2 + \frac{(100 x^2 + 24 x + 1)^{1/2}}{2}$$

Sequence: A170404
Score: 30.1883
Type of gen. func.: lgdogf

$$-\frac{11}{(x + 1) (10 x - 1)}$$

Sequence: A170404
Score: 7.49934
Type of gen. func.: ogf

{a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 11}

Sequence: A170405

Score: 12.0642
Type of gen. func.: ogf

$$-11 f(x) x + f(x) - x - 1$$

Sequence: A170405
Score: 14.2997
Type of gen. func.: revogf

$$- 1/2 - \frac{11 x}{2} + \frac{(121 x^{2} + 26 x + 1)^{1/2}}{2}$$

Sequence: A170405
Score: 14.6040
Type of gen. func.: ogf

$$- \frac{x + 1}{11 x - 1}$$

Sequence: A170405
Score: 30.1883
Type of gen. func.: lgdogf

$$- \frac{12}{(x + 1) (11 x - 1)}$$

Sequence: A170405
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1), a(0) = 1, a(1) = 12\}$$

Sequence: A170406
Score: 10.9017
Type of gen. func.: ogf

$$-12 f(x) x + f(x) - x - 1$$

Sequence: A170406
Score: 13.1968
Type of gen. func.: ogf

$$-\frac{x + 1}{12 x - 1}$$

Sequence: A170406
Score: 14.0042
Type of gen. func.: revogf

$$-1/2 - 6 x + \frac{(144 x^2 + 28 x + 1)^{1/2}}{2}$$

Sequence: A170406
Score: 27.2303
Type of gen. func.: lgdogf

$$-\frac{13}{(x + 1) (12 x - 1)}$$

Sequence: A170406
Score: 6.77673
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1), a(0) = 1, a(1) = 13\}$$

Sequence: A170407
Score: 11.1481
Type of gen. func.: ogf

$$-13 f(x) x + f(x) - x - 1$$

Sequence: A170407
Score: 13.1968
Type of gen. func.: revogf

```
                                2            1/2
                 13 x   (169 x  + 30 x + 1)
       - 1/2 - ---- + ----------------------
```

2 2

Sequence: A170407
Score: 13.4950
Type of gen. func.: ogf

$$-\frac{x + 1}{13 x - 1}$$

Sequence: A170407
Score: 27.8599
Type of gen. func.: lgdogf

$$-\frac{14}{(x + 1) (13 x - 1)}$$

Sequence: A170407
Score: 6.92988
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1), a(0) = 1, a(1) = 14\}$$

Sequence: A170408
Score: 11.456
Type of gen. func.: ogf

$$-14 f(x) x + f(x) - x - 1$$

Sequence: A170408
Score: 13.8678
Type of gen. func.: ogf

$$-\frac{x + 1}{14 x - 1}$$

Sequence: A170408
Score: 14.7327
Type of gen. func.: revogf

$$- 1/2 - 7 x + \frac{(196 x^2 + 32 x + 1)^{1/2}}{2}$$

Sequence: A170408
Score: 28.6469
Type of gen. func.: lgdogf

$$- \frac{15}{(x + 1) (14 x - 1)}$$

Sequence: A170408
Score: 7.12131
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1), a(0) = 1, a(1) = 15\}$$

Sequence: A170409
Score: 11.6408
Type of gen. func.: ogf

$$-15 f(x) x + f(x) - x - 1$$

Sequence: A170409
Score: 13.1036
Type of gen. func.: revogf

$$- 1/2 - \frac{15 x}{2} + \frac{((1 + 9 x) (1 + 25 x))^{1/2}}{2}$$

Sequence: A170409
Score: 14.0915
Type of gen. func.: ogf

$$- \frac{x + 1}{15 x - 1}$$

Sequence: A170409
Score: 29.1191
Type of gen. func.: lgdogf

$$-\frac{16}{(x + 1) (15 x - 1)}$$

Sequence: A170409
Score: 7.23618
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1), a(0) = 1, a(1) = 16\}$$

Sequence: A170410
Score: 11.9488
Type of gen. func.: ogf

$$-16 f(x) x + f(x) - x - 1$$

Sequence: A170410
Score: 14.4643
Type of gen. func.: ogf

$$-\frac{x + 1}{16 x - 1}$$

Sequence: A170410
Score: 15.3803
Type of gen. func.: revogf

$$- 1/2 - 8 x + \frac{(256 x^2 + 36 x + 1)^{1/2}}{2}$$

Sequence: A170410
Score: 29.9061
Type of gen. func.: lgdogf

$$-\frac{17}{(x + 1) (16 x - 1)}$$

Sequence: A170410
Score: 7.42761
Type of gen. func.: ogf

```
{a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 17}
```

Sequence: A170411
Score: 12.1335
Type of gen. func.: ogf

```
-17 f(x) x + f(x) - x - 1
```

Sequence: A170411
Score: 14.3897
Type of gen. func.: revogf

```
                     2            1/2
        17 x   (289 x  + 38 x + 1)
- 1/2 - ---- + ----------------------
         2               2
```

Sequence: A170411
Score: 14.6879
Type of gen. func.: ogf

```
   x + 1
- ---------
  17 x - 1
```

Sequence: A170411
Score: 30.3783
Type of gen. func.: lgdogf

```
          18
- ------------------
  (x + 1) (17 x - 1)
```

Sequence: A170411
Score: 7.54246
Type of gen. func.: ogf

$$\{a(n+2) - 17\,a(n+1),\ a(0) = 1,\ a(1) = 18\}$$

Sequence: A170412
Score: 10.789
Type of gen. func.: ogf

$$-18 f(x) x + f(x) - x - 1$$

Sequence: A170412
Score: 13.0604
Type of gen. func.: ogf

$$-\frac{x + 1}{18 x - 1}$$

Sequence: A170412
Score: 13.8630
Type of gen. func.: revogf

$$-1/2 - 9 x + \frac{(324 x^2 + 40 x + 1)^{1/2}}{2}$$

Sequence: A170412
Score: 26.9557
Type of gen. func.: lgdogf

$$-\frac{19}{(x + 1) (18 x - 1)}$$

Sequence: A170412
Score: 6.70668
Type of gen. func.: ogf

$$\{a(n+2) - 18\,a(n+1),\ a(0) = 1,\ a(1) = 19\}$$

Sequence: A170413
Score: 10.9095

Type of gen. func.: ogf

$$-19 f(x) x + f(x) - x - 1$$

Sequence: A170413
Score: 12.9144
Type of gen. func.: revogf

$$- 1/2 - \frac{19 x}{2} + \frac{(361 x^2 + 42 x + 1)^{1/2}}{2}$$

Sequence: A170413
Score: 13.2063
Type of gen. func.: ogf

$$- \frac{x + 1}{19 x - 1}$$

Sequence: A170413
Score: 27.2638
Type of gen. func.: lgdogf

$$- \frac{20}{(x + 1) (19 x - 1)}$$

Sequence: A170413
Score: 6.78161
Type of gen. func.: ogf

$$\{a(n + 2) - 19 a(n + 1), a(0) = 1, a(1) = 20\}$$

Sequence: A170414
Score: 11.0904
Type of gen. func.: ogf

$$-20 f(x) x + f(x) - x - 1$$

Sequence: A170414
Score: 13.4252
Type of gen. func.: ogf

$$-\frac{x+1}{20x-1}$$

Sequence: A170414
Score: 13.8630
Type of gen. func.: revogf

$$-1/2-10x+\frac{(400x^2+44x+1)^{1/2}}{2}$$

Sequence: A170414
Score: 26.2666
Type of gen. func.: lgdogf

$$-\frac{21}{(x+1)(20x-1)}$$

Sequence: A170414
Score: 6.89401
Type of gen. func.: ogf

$$\{a(n+2)-20a(n+1), a(0)=1, a(1)=21\}$$

Sequence: A170415
Score: 11.1506
Type of gen. func.: ogf

$$-21f(x)x+f(x)-x-1$$

Sequence: A170415
Score: 13.2063
Type of gen. func.: revogf

$$-1/2-\frac{21x}{2}+\frac{(441x^2+46x+1)^{1/2}}{2}$$

Sequence: A170415
Score: 13.4981
Type of gen. func.: ogf

$$-\frac{x + 1}{21 x - 1}$$

Sequence: A170415
Score: 27.8799
Type of gen. func.: lgdogf

$$-\frac{22}{(x + 1) (21 x - 1)}$$

Sequence: A170415
Score: 6.93147
Type of gen. func.: ogf

$$\{a(n + 2) - 21 a(n + 1), a(0) = 1, a(1) = 22\}$$

Sequence: A170416
Score: 11.452
Type of gen. func.: ogf

$$-22 f(x) x + f(x) - x - 1$$

Sequence: A170416
Score: 13.8629
Type of gen. func.: ogf

$$-\frac{x + 1}{22 x - 1}$$

Sequence: A170416
Score: 14.3250
Type of gen. func.: revogf

$$- \frac{1}{2} - 11 x + \frac{(484 x^2 + 48 x + 1)^{1/2}}{2}$$

Sequence: A170416
Score: 28.6501
Type of gen. func.: lgdogf

$$- \frac{23}{(x + 1) (22 x - 1)}$$

Sequence: A170416
Score: 7.11881
Type of gen. func.: ogf

$$\{a(n + 2) - 22 a(n + 1), a(0) = 1, a(1) = 23\}$$

Sequence: A170417
Score: 11.5123
Type of gen. func.: ogf

$$-23 f(x) x + f(x) - x - 1$$

Sequence: A170417
Score: 13.6441
Type of gen. func.: revogf

$$- \frac{23 x}{2} - 1/2 + \frac{(529 x^2 + 50 x + 1)^{1/2}}{2}$$

Sequence: A170417
Score: 13.9359
Type of gen. func.: ogf

$$- \frac{x + 1}{23 x - 1}$$

Sequence: A170417
Score: 28.8041
Type of gen. func.: lgdogf

$$-\frac{24}{(x + 1) (23 x - 1)}$$

Sequence: A170417
Score: 7.15628
Type of gen. func.: ogf

$$\{a(n + 2) - 23 a(n + 1), a(0) = 1, a(1) = 24\}$$

Sequence: A170418
Score: 11.6328
Type of gen. func.: ogf

$$-24 f(x) x + f(x) - x - 1$$

Sequence: A170418
Score: 13.4364
Type of gen. func.: revogf

$$-12 x - 1/2 + \frac{((1 + 16 x) (1 + 36 x))^{1/2}}{2}$$

Sequence: A170418
Score: 14.0818
Type of gen. func.: ogf

$$-\frac{x + 1}{24 x - 1}$$

Sequence: A170418
Score: 29.1122
Type of gen. func.: lgdogf

$$-\frac{25}{(x + 1) (24 x - 1)}$$

Sequence: A170418
Score: 7.23122
Type of gen. func.: ogf

$$\{a(n + 2) - 24 a(n + 1), a(0) = 1, a(1) = 25\}$$

Sequence: A170419
Score: 11.7534
Type of gen. func.: ogf

$$-25 f(x) x + f(x) - x - 1$$

Sequence: A170419
Score: 13.9359
Type of gen. func.: revogf

$$- 1/2 - \frac{25 x}{2} + \frac{(625 x^2 + 54 x + 1)^{1/2}}{2}$$

Sequence: A170419
Score: 14.2278
Type of gen. func.: ogf

$$- \frac{x + 1}{25 x - 1}$$

Sequence: A170419
Score: 29.4203
Type of gen. func.: lgdogf

$$- \frac{26}{(x + 1) (25 x - 1)}$$

Sequence: A170419
Score: 7.30615
Type of gen. func.: ogf

$$\{a(n + 2) - 25 a(n + 1), a(0) = 1, a(1) = 26\}$$

Sequence: A170420
Score: 11.8739
Type of gen. func.: ogf

$$-26 f(x) x + f(x) - x - 1$$

Sequence: A170420
Score: 14.3737
Type of gen. func.: ogf

$$-\frac{x + 1}{26 x - 1}$$

Sequence: A170420
Score: 14.8642
Type of gen. func.: revogf

$$-13 x - 1/2 + \frac{(676 x^2 + 56 x + 1)^{1/2}}{2}$$

Sequence: A170420
Score: 29.7283
Type of gen. func.: lgdogf

$$-\frac{27}{(x + 1) (26 x - 1)}$$

Sequence: A170420
Score: 7.38108
Type of gen. func.: ogf

$$\{a(n + 2) - 26 a(n + 1), a(0) = 1, a(1) = 27\}$$

Sequence: A170421
Score: 12.0547
Type of gen. func.: ogf

$$-27 f(x) x + f(x) - x - 1$$

Sequence: A170421
Score: 14.3007
Type of gen. func.: revogf

$$-\frac{27 x}{2} - 1/2 + \frac{(729 x^2 + 58 x + 1)^{1/2}}{2}$$

Sequence: A170421
Score: 14.5926
Type of gen. func.: ogf

$$-\frac{x + 1}{27 x - 1}$$

Sequence: A170421
Score: 30.1904
Type of gen. func.: lgdogf

$$-\frac{28}{(x + 1) (27 x - 1)}$$

Sequence: A170421
Score: 7.49349
Type of gen. func.: ogf

$$\{a(n + 2) - 27 a(n + 1), a(0) = 1, a(1) = 28\}$$

Sequence: A170422
Score: 12.115
Type of gen. func.: ogf

$$-28 f(x) x + f(x) - x - 1$$

Sequence: A170422

Score: 14.6656
Type of gen. func.: ogf

$$-\frac{x + 1}{28 x - 1}$$

Sequence: A170422
Score: 15.1722
Type of gen. func.: revogf

$$-14 x - 1/2 + \frac{(784 x^2 + 60 x + 1)^{1/2}}{2}$$

Sequence: A170422
Score: 30.3445
Type of gen. func.: lgdogf

$$-\frac{29}{(x + 1) (28 x - 1)}$$

Sequence: A170422
Score: 7.53096
Type of gen. func.: ogf

$$\{a(n + 2) - 28 a(n + 1), a(0) = 1, a(1) = 29\}$$

Sequence: A170423
Score: 12.2356
Type of gen. func.: ogf

$$-29 f(x) x + f(x) - x - 1$$

Sequence: A170423
Score: 14.5196
Type of gen. func.: revogf

$$-\frac{29 x}{2} - 1/2 + \frac{(841 x^2 + 62 x + 1)^{1/2}}{2}$$

Sequence: A170423
Score: 14.8115
Type of gen. func.: ogf

$$-\frac{x + 1}{29 x - 1}$$

Sequence: A170423
Score: 30.6525
Type of gen. func.: lgdogf

$$-\frac{30}{(x + 1) (29 x - 1)}$$

Sequence: A170423
Score: 7.60589
Type of gen. func.: ogf

$$\{a(n + 2) - 29 a(n + 1), a(0) = 1, a(1) = 30\}$$

Sequence: A170424
Score: 12.2958
Type of gen. func.: ogf

$$-30 f(x) x + f(x) - x - 1$$

Sequence: A170424
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{30 x - 1}$$

Sequence: A170424
Score: 15.4033
Type of gen. func.: revogf

$$-15 x - 1/2 + \frac{(900 x + 64 x + 1)}{2}$$

Sequence: A170424
Score: 30.8066
Type of gen. func.: lgdogf

$$-\frac{31}{(x + 1) (30 x - 1)}$$

Sequence: A170424
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 30 a(n + 1), a(0) = 1, a(1) = 31\}$$

Sequence: A170425
Score: 12.2958
Type of gen. func.: ogf

$$-31 f(x) x + f(x) - x - 1$$

Sequence: A170425
Score: 14.5926
Type of gen. func.: revogf

$$-\frac{31 x}{2} - 1/2 + \frac{(961 x^2 + 66 x + 1)^{1/2}}{2}$$

Sequence: A170425
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{31 x - 1}$$

Sequence: A170425

Score: 30.8066
Type of gen. func.: lgdogf

$$-\frac{32}{(x+1)(31x-1)}$$

Sequence: A170425
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n+2) - 31\, a(n+1),\ a(0) = 1,\ a(1) = 32\}$$

Sequence: A170426
Score: 12.7177
Type of gen. func.: ogf

$$-32 f(x)\, x + f(x) - x - 1$$

Sequence: A170426
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x+1}{32x-1}$$

Sequence: A170426
Score: 15.5115
Type of gen. func.: revogf

$$-1/2 - 16x + \frac{(1024x^2 + 68x + 1)^{1/2}}{2}$$

Sequence: A170426
Score: 31.8848
Type of gen. func.: lgdogf

$$-\frac{33}{(x+1)(32x-1)}$$

Sequence: A170426
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 32 a(n + 1), a(0) = 1, a(1) = 33\}$$

Sequence: A170427
Score: 12.7177
Type of gen. func.: ogf

$$-33 f(x) x + f(x) - x - 1$$

Sequence: A170427
Score: 14.7161
Type of gen. func.: revogf

$$- 1/2 - \frac{33 x}{2} + \frac{(1089 x^2 + 70 x + 1)^{1/2}}{2}$$

Sequence: A170427
Score: 15.3952
Type of gen. func.: ogf

$$- \frac{x + 1}{33 x - 1}$$

Sequence: A170427
Score: 31.8848
Type of gen. func.: lgdogf

$$- \frac{34}{(x + 1) (33 x - 1)}$$

Sequence: A170427
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 33 a(n + 1), a(0) = 1, a(1) = 34\}$$

Sequence: A170428
Score: 12.7177
Type of gen. func.: ogf

$$-34 f(x) x + f(x) - x - 1$$

Sequence: A170428
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{34 x - 1}$$

Sequence: A170428
Score: 15.5115
Type of gen. func.: revogf

$$- 1/2 - 17 x + \frac{(1156 x^2 + 72 x + 1)^{1/2}}{2}$$

Sequence: A170428
Score: 31.8848
Type of gen. func.: lgdogf

$$-\frac{35}{(x + 1) (34 x - 1)}$$

Sequence: A170428
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 34 a(n + 1), a(0) = 1, a(1) = 35\}$$

Sequence: A170429
Score: 12.8383
Type of gen. func.: ogf

$$-35 f(x) x + f(x) - x - 1$$

Sequence: A170429
Score: 14.1334
Type of gen. func.: revogf

$$-\frac{35 x}{2} - 1/2 + \frac{((1 + 25 x) (1 + 49 x))^{1/2}}{2}$$

Sequence: A170429
Score: 15.5411
Type of gen. func.: ogf

$$-\frac{x + 1}{35 x - 1}$$

Sequence: A170429
Score: 32.1929
Type of gen. func.: lgdogf

$$-\frac{36}{(x + 1) (35 x - 1)}$$

Sequence: A170429
Score: 7.98057
Type of gen. func.: ogf

$$\{a(n + 2) - 35 a(n + 1), a(0) = 1, a(1) = 36\}$$

Sequence: A170430
Score: 11.1854
Type of gen. func.: ogf

$$-36 f(x) x + f(x) - x - 1$$

Sequence: A170430
Score: 13.5403

Type of gen. func.: ogf

$$-\frac{x + 1}{36 x - 1}$$

Sequence: A170430
Score: 13.6134
Type of gen. func.: revogf

$$- 1/2 - 18 x + \frac{(1296 x^2 + 76 x + 1)^{1/2}}{2}$$

Sequence: A170430
Score: 27.9832
Type of gen. func.: lgdogf

$$-\frac{37}{(x + 1) (36 x - 1)}$$

Sequence: A170430
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 36 a(n + 1), a(0) = 1, a(1) = 37\}$$

Sequence: A170431
Score: 11.1854
Type of gen. func.: ogf

$$-37 f(x) x + f(x) - x - 1$$

Sequence: A170431
Score: 12.9153
Type of gen. func.: revogf

$$- 1/2 - \frac{37 x}{2} + \frac{(1369 x^2 + 78 x + 1)^{1/2}}{2}$$

Sequence: A170431
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{37 x - 1}$$

Sequence: A170431
Score: 27.9832
Type of gen. func.: lgdogf

$$-\frac{38}{(x + 1) (37 x - 1)}$$

Sequence: A170431
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 37 a(n + 1), a(0) = 1, a(1) = 38\}$$

Sequence: A170432
Score: 11.3032
Type of gen. func.: ogf

$$-38 f(x) x + f(x) - x - 1$$

Sequence: A170432
Score: 13.6828
Type of gen. func.: ogf

$$-\frac{x + 1}{38 x - 1}$$

Sequence: A170432
Score: 13.7598
Type of gen. func.: revogf

$$(1444 x^2 + 80 x + 1)^{1/2}$$

```
                     - 1/2 - 19 x + ------------------------
                                               2



------------------------------------------------------------------------------

Sequence:  A170432
Score: 28.2841
Type of gen. func.: lgdogf


                                        39
                              - ------------------
                                (x + 1) (38 x - 1)



------------------------------------------------------------------------------

Sequence:  A170432
Score: 7.02630
Type of gen. func.: ogf


                 {a(n + 2) - 38 a(n + 1), a(0) = 1, a(1) = 39}



------------------------------------------------------------------------------

Sequence:  A170433
Score: 11.362
Type of gen. func.: ogf


                           -39 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A170433
Score: 13.1236
Type of gen. func.: revogf


                                           2            1/2
                       39 x         (1521 x  + 82 x + 1)
                     - ---- - 1/2 + ------------------------
                        2                      2



------------------------------------------------------------------------------

Sequence:  A170433
Score: 13.7541
Type of gen. func.: ogf


                                      x + 1
                                   - --------
                                     39 x - 1



------------------------------------------------------------------------------

Sequence:  A170433
Score: 28.4345
```

Type of gen. func.: lgdogf

$$-\frac{40}{(x+1)(39x-1)}$$

Sequence: A170433
Score: 7.06289
Type of gen. func.: ogf

$$\{a(n+2) - 39\,a(n+1),\ a(0) = 1,\ a(1) = 40\}$$

Sequence: A170434
Score: 11.4798
Type of gen. func.: ogf

$$-40\,f(x)\,x + f(x) - x - 1$$

Sequence: A170434
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x+1}{40x-1}$$

Sequence: A170434
Score: 13.9794
Type of gen. func.: revogf

$$-20x - 1/2 + \frac{(1600x^2 + 84x + 1)^{1/2}}{2}$$

Sequence: A170434
Score: 28.7354
Type of gen. func.: lgdogf

$$-\frac{41}{(x+1)(40x-1)}$$

Sequence: A170434
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 40 a(n + 1), a(0) = 1, a(1) = 41\}$$

Sequence: A170435
Score: 11.4798
Type of gen. func.: ogf

$$-41 f(x) x + f(x) - x - 1$$

Sequence: A170435
Score: 13.2625
Type of gen. func.: revogf

$$- 1/2 - \frac{41 x}{2} + \frac{(1681 x^2 + 86 x + 1)^{1/2}}{2}$$

Sequence: A170435
Score: 13.8966
Type of gen. func.: ogf

$$- \frac{x + 1}{41 x - 1}$$

Sequence: A170435
Score: 28.7354
Type of gen. func.: lgdogf

$$- \frac{42}{(x + 1) (41 x - 1)}$$

Sequence: A170435
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 41 a(n + 1), a(0) = 1, a(1) = 42\}$$

Sequence: A170436
Score: 11.5386
Type of gen. func.: ogf

$$-42 f(x) x + f(x) - x - 1$$

Sequence: A170436
Score: 13.9678
Type of gen. func.: ogf

$$-\frac{x + 1}{42 x - 1}$$

Sequence: A170436
Score: 14.0526
Type of gen. func.: revogf

$$- 1/2 - 21 x + \frac{(1764 x^2 + 88 x + 1)^{1/2}}{2}$$

Sequence: A170436
Score: 28.8859
Type of gen. func.: lgdogf

$$-\frac{43}{(x + 1) (42 x - 1)}$$

Sequence: A170436
Score: 7.17268
Type of gen. func.: ogf

$$\{a(n + 2) - 42 a(n + 1), a(0) = 1, a(1) = 43\}$$

Sequence: A170437
Score: 11.5975
Type of gen. func.: ogf

$$-43 f(x) x + f(x) - x - 1$$

Sequence: A170437
Score: 13.4014
Type of gen. func.: revogf

$$- 1/2 - \frac{43 x}{2} + \frac{(1849 x^2 + 90 x + 1)^{1/2}}{2}$$

Sequence: A170437
Score: 14.0391
Type of gen. func.: ogf

$$- \frac{x + 1}{43 x - 1}$$

Sequence: A170437
Score: 29.0363
Type of gen. func.: lgdogf

$$- \frac{44}{(x + 1) (43 x - 1)}$$

Sequence: A170437
Score: 7.20927
Type of gen. func.: ogf

$$\{a(n + 2) - 43 a(n + 1), a(0) = 1, a(1) = 44\}$$

Sequence: A170438
Score: 11.7153
Type of gen. func.: ogf

$$-44 f(x) x + f(x) - x - 1$$

Sequence: A170438
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{44 x - 1}$$

Sequence: A170438
Score: 14.2722
Type of gen. func.: revogf

$$- 1/2 - 22 x + \frac{(1936 x^2 + 92 x + 1)^{1/2}}{2}$$

Sequence: A170438
Score: 29.3372
Type of gen. func.: lgdogf

$$-\frac{45}{(x + 1) (44 x - 1)}$$

Sequence: A170438
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 44 a(n + 1), a(0) = 1, a(1) = 45\}$$

Sequence: A170439
Score: 11.7153
Type of gen. func.: ogf

$$-45 f(x) x + f(x) - x - 1$$

Sequence: A170439
Score: 13.5403
Type of gen. func.: revogf

$$- 1/2 - \frac{45 x}{2} + \frac{(2025 x^2 + 94 x + 1)^{1/2}}{2}$$

Sequence: A170439
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{45 x - 1}$$

Sequence: A170439
Score: 29.3372
Type of gen. func.: lgdogf

$$-\frac{46}{(x + 1) (45 x - 1)}$$

Sequence: A170439
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 45 a(n + 1), a(0) = 1, a(1) = 46\}$$

Sequence: A170440
Score: 11.7153
Type of gen. func.: ogf

$$-46 f(x) x + f(x) - x - 1$$

Sequence: A170440
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{46 x - 1}$$

Sequence: A170440
Score: 14.2722
Type of gen. func.: revogf

$$-1/2 - 23 x + \frac{(2116 x^{2} + 96 x + 1)^{1/2}}{}$$

2

Sequence: A170440
Score: 29.3372
Type of gen. func.: lgdogf

$$-\frac{47}{(x + 1)(46 x - 1)}$$

Sequence: A170440
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 46 a(n + 1), a(0) = 1, a(1) = 47\}$$

Sequence: A170441
Score: 11.9507
Type of gen. func.: ogf

$$-47 f(x) x + f(x) - x - 1$$

Sequence: A170441
Score: 13.8180
Type of gen. func.: revogf

$$-\frac{47 x}{2} - 1/2 + \frac{(2209 x^{2} + 98 x + 1)^{1/2}}{2}$$

Sequence: A170441
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{47 x - 1}$$

Sequence: A170441
Score: 29.9390
Type of gen. func.: lgdogf

$$-\frac{48}{(x + 1) (47 x - 1)}$$

Sequence: A170441
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 47 a(n + 1), a(0) = 1, a(1) = 48\}$$

Sequence: A170442
Score: 11.9507
Type of gen. func.: ogf

$$-48 f(x) x + f(x) - x - 1$$

Sequence: A170442
Score: 13.8180
Type of gen. func.: revogf

$$- 1/2 - 24 x + \frac{((1 + 36 x) (64 x + 1))^{1/2}}{2}$$

Sequence: A170442
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{48 x - 1}$$

Sequence: A170442
Score: 29.9390
Type of gen. func.: lgdogf

$$-\frac{49}{(x + 1) (48 x - 1)}$$

Sequence: A170442
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 48 a(n + 1), a(0) = 1, a(1) = 49\}$$

Sequence: A170443
Score: 11.9507
Type of gen. func.: ogf

$$-49 f(x) x + f(x) - x - 1$$

Sequence: A170443
Score: 13.4725
Type of gen. func.: revogf

$$- 1/2 - \frac{49 x}{2} + \frac{(2401 x^2 + 102 x + 1)^{1/2}}{2}$$

Sequence: A170443
Score: 14.4667
Type of gen. func.: ogf

$$- \frac{x + 1}{49 x - 1}$$

Sequence: A170443
Score: 29.9390
Type of gen. func.: lgdogf

$$- \frac{50}{(x + 1) (49 x - 1)}$$

Sequence: A170443
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 49 a(n + 1), a(0) = 1, a(1) = 50\}$$

Sequence: A170444
Score: 15.8654
Type of gen. func.: ogf

$$-2 f(x) x + f(x) - x - 1$$

Sequence: A170444
Score: 19.2957
Type of gen. func.: ogf

$$-\frac{x + 1}{2 x - 1}$$

Sequence: A170444
Score: 23.3360
Type of gen. func.: revogf

$$-x - 1/2 + \frac{(4 x^2 + 8 x + 1)^{1/2}}{2}$$

Sequence: A170444
Score: 43.7550
Type of gen. func.: lgdogf

$$-\frac{3}{(2 x - 1) (x + 1)}$$

Sequence: A170444
Score: 9.91586
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 3\}$$

Sequence: A170445
Score: 14.5528
Type of gen. func.: ogf

$$-3 f(x) x + f(x) - x - 1$$

Sequence: A170445
Score: 17.6994
Type of gen. func.: ogf

$$-\frac{x + 1}{3 x - 1}$$

Sequence: A170445
Score: 17.8290
Type of gen. func.: revogf

$$-\frac{3 x}{2} - 1/2 + \frac{((x + 1) (1 + 9 x))^{1/2}}{2}$$

Sequence: A170445
Score: 37.7556
Type of gen. func.: lgdogf

$$-\frac{4}{(3 x - 1) (x + 1)}$$

Sequence: A170445
Score: 9.09553
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 4\}$$

Sequence: A170446
Score: 14.619
Type of gen. func.: ogf

$$-4 f(x) x + f(x) - x - 1$$

Sequence: A170446
Score: 17.7799
Type of gen. func.: ogf

$$-\frac{x + 1}{4 x - 1}$$

Sequence: A170446
Score: 18.9748
Type of gen. func.: revogf

$$-2 x - 1/2 + \frac{(16 x^2 + 12 x + 1)^{1/2}}{2}$$

Sequence: A170446
Score: 40.3215
Type of gen. func.: lgdogf

$$-\frac{5}{(x + 1) (4 x - 1)}$$

Sequence: A170446
Score: 9.13689
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 5\}$$

Sequence: A170447
Score: 13.6693
Type of gen. func.: ogf

$$-5 f(x) x + f(x) - x - 1$$

Sequence: A170447
Score: 16.6248
Type of gen. func.: ogf

$$-\frac{x + 1}{5 x - 1}$$

Sequence: A170447
Score: 16.7431
Type of gen. func.: revogf

$$- 1/2 - \frac{5 x}{2} + \frac{(25 x^2 + 14 x + 1)^{1/2}}{2}$$

Sequence: A170447
Score: 37.6720
Type of gen. func.: lgdogf

$$- \frac{6}{(x + 1) (5 x - 1)}$$

Sequence: A170447
Score: 8.54329
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1), a(0) = 1, a(1) = 6\}$$

Sequence: A170448
Score: 13.4636
Type of gen. func.: ogf

$$-6 f(x) x + f(x) - x - 1$$

Sequence: A170448
Score: 16.3746
Type of gen. func.: ogf

$$- \frac{x + 1}{-1 + 6 x}$$

Sequence: A170448
Score: 17.4612
Type of gen. func.: revogf

$$-3 x - 1/2 + \frac{(36 x^2 + 16 x + 1)^{1/2}}{2}$$

Sequence: A170448
Score: 37.1051
Type of gen. func.: lgdogf

$$-\frac{7}{(x+1)(-1+6x)}$$

Sequence: A170448
Score: 8.41471
Type of gen. func.: ogf

$$\{a(n+2) - 6\,a(n+1),\ a(0) = 1,\ a(1) = 7\}$$

Sequence: A170449
Score: 12.9815
Type of gen. func.: ogf

$$-7\,f(x)\,x + f(x) - x - 1$$

Sequence: A170449
Score: 15.7883
Type of gen. func.: ogf

$$-\frac{x+1}{7x-1}$$

Sequence: A170449
Score: 15.8940
Type of gen. func.: revogf

$$-1/2 - \frac{7x}{2} + \frac{(49x^2 + 18x + 1)^{1/2}}{2}$$

Sequence: A170449
Score: 35.7615
Type of gen. func.: lgdogf

$$-\frac{8}{(x + 1)(7x - 1)}$$

Sequence: A170449
Score: 8.11343
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1), a(0) = 1, a(1) = 8\}$$

Sequence: A170450
Score: 13.6472
Type of gen. func.: ogf

$$-8 f(x) x + f(x) - x - 1$$

Sequence: A170450
Score: 16.2741
Type of gen. func.: revogf

$$-4 x - 1/2 + \frac{((4 x + 1)(1 + 16 x))^{1/2}}{2}$$

Sequence: A170450
Score: 16.5980
Type of gen. func.: ogf

$$-\frac{x + 1}{8 x - 1}$$

Sequence: A170450
Score: 37.6339
Type of gen. func.: lgdogf

$$-\frac{9}{(x + 1)(8 x - 1)}$$

Sequence: A170450
Score: 8.52951
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 9\}$$

Sequence: A170451
Score: 12.7592
Type of gen. func.: ogf

$$-9 f(x) x + f(x) - x - 1$$

Sequence: A170451
Score: 15.5180
Type of gen. func.: ogf

$$-\frac{x + 1}{9 x - 1}$$

Sequence: A170451
Score: 15.6219
Type of gen. func.: revogf

$$- 1/2 - \frac{9 x}{2} + \frac{(81 x^2 + 22 x + 1)^{1/2}}{2}$$

Sequence: A170451
Score: 33.0816
Type of gen. func.: lgdogf

$$-\frac{10}{(x + 1) (9 x - 1)}$$

Sequence: A170451
Score: 7.86529
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 10\}$$

Sequence: A170452
Score: 12.0642
Type of gen. func.: ogf

$$-10 f(x) x + f(x) - x - 1$$

Sequence: A170452
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x + 1}{10 x - 1}$$

Sequence: A170452
Score: 15.5254
Type of gen. func.: revogf

$$-5 x - 1/2 + \frac{(100 x^2 + 24 x + 1)^{1/2}}{2}$$

Sequence: A170452
Score: 30.1883
Type of gen. func.: lgdogf

$$-\frac{11}{(x + 1) (10 x - 1)}$$

Sequence: A170452
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 11\}$$

Sequence: A170453
Score: 12.0642
Type of gen. func.: ogf

$$-11 f(x) x + f(x) - x - 1$$

Sequence: A170453
Score: 14.2997
Type of gen. func.: revogf

$$- 1/2 - \frac{11 x}{2} + \frac{(121 x^2 + 26 x + 1)^{1/2}}{2}$$

Sequence: A170453
Score: 14.6040
Type of gen. func.: ogf

$$- \frac{x + 1}{11 x - 1}$$

Sequence: A170453
Score: 30.1883
Type of gen. func.: lgdogf

$$- \frac{12}{(x + 1) (11 x - 1)}$$

Sequence: A170453
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1), a(0) = 1, a(1) = 12\}$$

Sequence: A170454
Score: 10.9017
Type of gen. func.: ogf

$$-12 f(x) x + f(x) - x - 1$$

Sequence: A170454
Score: 13.1968
Type of gen. func.: ogf

$$-\frac{x+1}{12x-1}$$

Sequence: A170454
Score: 14.0042
Type of gen. func.: revogf

$$-1/2 - 6x + \frac{(144x^2 + 28x + 1)^{1/2}}{2}$$

Sequence: A170454
Score: 27.2303
Type of gen. func.: lgdogf

$$-\frac{13}{(x+1)(12x-1)}$$

Sequence: A170454
Score: 6.77673
Type of gen. func.: ogf

$$\{a(n+2) - 12a(n+1), a(0) = 1, a(1) = 13\}$$

Sequence: A170455
Score: 11.1481
Type of gen. func.: ogf

$$-13 f(x) x + f(x) - x - 1$$

Sequence: A170455
Score: 13.1968
Type of gen. func.: revogf

$$-1/2 - \frac{13x}{2} + \frac{(169x^2 + 30x + 1)^{1/2}}{2}$$

Sequence: A170455
Score: 13.4950
Type of gen. func.: ogf

$$-\frac{x+1}{13x-1}$$

Sequence: A170455
Score: 27.8599
Type of gen. func.: lgdogf

$$-\frac{14}{(x+1)(13x-1)}$$

Sequence: A170455
Score: 6.92988
Type of gen. func.: ogf

{a(n + 2) - 13 a(n + 1), a(0) = 1, a(1) = 14}

Sequence: A170456
Score: 11.456
Type of gen. func.: ogf

-14 f(x) x + f(x) - x - 1

Sequence: A170456
Score: 13.8678
Type of gen. func.: ogf

$$-\frac{x+1}{14x-1}$$

Sequence: A170456
Score: 14.7327
Type of gen. func.: revogf

$$-1/2 - 7x + \frac{(196x^2 + 32x + 1)^{1/2}}{2}$$

Sequence: A170456
Score: 28.6469
Type of gen. func.: lgdogf

$$- \frac{15}{(x + 1) (14 x - 1)}$$

Sequence: A170456
Score: 7.12131
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1), a(0) = 1, a(1) = 15\}$$

Sequence: A170457
Score: 11.6408
Type of gen. func.: ogf

$$-15 f(x) x + f(x) - x - 1$$

Sequence: A170457
Score: 13.1036
Type of gen. func.: revogf

$$- 1/2 - \frac{15 x}{2} + \frac{((1 + 9 x) (1 + 25 x))^{1/2}}{2}$$

Sequence: A170457
Score: 14.0915
Type of gen. func.: ogf

$$- \frac{x + 1}{15 x - 1}$$

Sequence: A170457
Score: 29.1191
Type of gen. func.: lgdogf

$$-\frac{16}{(x+1)(15x-1)}$$

Sequence: A170457
Score: 7.23618
Type of gen. func.: ogf

$$\{a(n+2) - 15\,a(n+1),\ a(0) = 1,\ a(1) = 16\}$$

Sequence: A170458
Score: 11.9488
Type of gen. func.: ogf

$$-16\,f(x)\,x + f(x) - x - 1$$

Sequence: A170458
Score: 14.4643
Type of gen. func.: ogf

$$-\frac{x+1}{16x-1}$$

Sequence: A170458
Score: 15.3803
Type of gen. func.: revogf

$$-1/2 - 8x + \frac{(256x^2 + 36x + 1)^{1/2}}{2}$$

Sequence: A170458
Score: 29.9061
Type of gen. func.: lgdogf

$$-\frac{17}{(x+1)(16x-1)}$$

Sequence: A170458

Score: 7.42761
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 17\}$$

Sequence: A170459
Score: 12.1335
Type of gen. func.: ogf

$$-17 f(x) x + f(x) - x - 1$$

Sequence: A170459
Score: 14.3897
Type of gen. func.: revogf

$$- 1/2 - \frac{17 x}{2} + \frac{(289 x^2 + 38 x + 1)^{1/2}}{2}$$

Sequence: A170459
Score: 14.6879
Type of gen. func.: ogf

$$- \frac{x + 1}{17 x - 1}$$

Sequence: A170459
Score: 30.3783
Type of gen. func.: lgdogf

$$- \frac{18}{(x + 1) (17 x - 1)}$$

Sequence: A170459
Score: 7.54246
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1), a(0) = 1, a(1) = 18\}$$

Sequence: A170460
Score: 10.789
Type of gen. func.: ogf

$$-18 f(x) x + f(x) - x - 1$$

Sequence: A170460
Score: 13.0604
Type of gen. func.: ogf

$$-\frac{x + 1}{18 x - 1}$$

Sequence: A170460
Score: 13.8630
Type of gen. func.: revogf

$$- 1/2 - 9 x + \frac{(324 x^2 + 40 x + 1)^{1/2}}{2}$$

Sequence: A170460
Score: 26.9557
Type of gen. func.: lgdogf

$$-\frac{19}{(x + 1) (18 x - 1)}$$

Sequence: A170460
Score: 6.70668
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1), a(0) = 1, a(1) = 19\}$$

Sequence: A170461
Score: 10.9095
Type of gen. func.: ogf

$$-19 f(x) x + f(x) - x - 1$$

Sequence: A170461
Score: 12.9144
Type of gen. func.: revogf

$$- 1/2 - \frac{19 x}{2} + \frac{(361 x^2 + 42 x + 1)^{1/2}}{2}$$

Sequence: A170461
Score: 13.2063
Type of gen. func.: ogf

$$- \frac{x + 1}{19 x - 1}$$

Sequence: A170461
Score: 27.2638
Type of gen. func.: lgdogf

$$- \frac{20}{(x + 1) (19 x - 1)}$$

Sequence: A170461
Score: 6.78161
Type of gen. func.: ogf

$$\{a(n + 2) - 19 a(n + 1), a(0) = 1, a(1) = 20\}$$

Sequence: A170462
Score: 11.0904
Type of gen. func.: ogf

$$-20 f(x) x + f(x) - x - 1$$

Sequence: A170462
Score: 13.4252
Type of gen. func.: ogf

$$x + 1$$

$$- \frac{\quad}{20 x - 1}$$

Sequence: A170462
Score: 13.8630
Type of gen. func.: revogf

$$- 1/2 - 10 x + \frac{(400 x^2 + 44 x + 1)^{1/2}}{2}$$

Sequence: A170462
Score: 26.2666
Type of gen. func.: lgdogf

$$- \frac{21}{(x + 1) (20 x - 1)}$$

Sequence: A170462
Score: 6.89401
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1), a(0) = 1, a(1) = 21\}$$

Sequence: A170463
Score: 11.1506
Type of gen. func.: ogf

$$-21 f(x) x + f(x) - x - 1$$

Sequence: A170463
Score: 13.2063
Type of gen. func.: revogf

$$- 1/2 - \frac{21 x}{2} + \frac{(441 x^2 + 46 x + 1)^{1/2}}{2}$$

Sequence: A170463

Score: 13.4981
Type of gen. func.: ogf

$$-\frac{x + 1}{21 x - 1}$$

Sequence: A170463
Score: 27.8799
Type of gen. func.: lgdogf

$$-\frac{22}{(x + 1) (21 x - 1)}$$

Sequence: A170463
Score: 6.93147
Type of gen. func.: ogf

$$\{a(n + 2) - 21 a(n + 1), a(0) = 1, a(1) = 22\}$$

Sequence: A170464
Score: 11.452
Type of gen. func.: ogf

$$-22 f(x) x + f(x) - x - 1$$

Sequence: A170464
Score: 13.8629
Type of gen. func.: ogf

$$-\frac{x + 1}{22 x - 1}$$

Sequence: A170464
Score: 14.3250
Type of gen. func.: revogf

$$- 1/2 - 11 x + \frac{(484 x^2 + 48 x + 1)^{1/2}}{2}$$

Sequence: A170464
Score: 28.6501
Type of gen. func.: lgdogf

$$-\frac{23}{(x+1)\,(22\,x-1)}$$

Sequence: A170464
Score: 7.11881
Type of gen. func.: ogf

$$\{a(n+2) - 22\,a(n+1),\ a(0) = 1,\ a(1) = 23\}$$

Sequence: A170465
Score: 11.5123
Type of gen. func.: ogf

$$-23\,f(x)\,x + f(x) - x - 1$$

Sequence: A170465
Score: 13.6441
Type of gen. func.: revogf

$$-\frac{23\,x}{2} - 1/2 + \frac{(529\,x^2 + 50\,x + 1)^{1/2}}{2}$$

Sequence: A170465
Score: 13.9359
Type of gen. func.: ogf

$$-\frac{x+1}{23\,x-1}$$

Sequence: A170465
Score: 28.8041
Type of gen. func.: lgdogf

$$24$$

$$-\frac{\qquad}{(x + 1) (23 x - 1)}$$

Sequence: A170465
Score: 7.15628
Type of gen. func.: ogf

$$\{a(n + 2) - 23 a(n + 1), a(0) = 1, a(1) = 24\}$$

Sequence: A170466
Score: 11.6328
Type of gen. func.: ogf

$$-24 f(x) x + f(x) - x - 1$$

Sequence: A170466
Score: 13.4364
Type of gen. func.: revogf

$$-12 x - 1/2 + \frac{((1 + 16 x) (1 + 36 x))^{1/2}}{2}$$

Sequence: A170466
Score: 14.0818
Type of gen. func.: ogf

$$-\frac{x + 1}{24 x - 1}$$

Sequence: A170466
Score: 29.1122
Type of gen. func.: lgdogf

$$-\frac{25}{(x + 1) (24 x - 1)}$$

Sequence: A170466
Score: 7.23122

Type of gen. func.: ogf

$$\{a(n+2) - 24\, a(n+1),\ a(0) = 1,\ a(1) = 25\}$$

Sequence: A170467
Score: 11.7534
Type of gen. func.: ogf

$$-25 f(x) x + f(x) - x - 1$$

Sequence: A170467
Score: 13.9359
Type of gen. func.: revogf

$$-1/2 - \frac{25 x}{2} + \frac{(625 x^2 + 54 x + 1)^{1/2}}{2}$$

Sequence: A170467
Score: 14.2278
Type of gen. func.: ogf

$$-\frac{x + 1}{25 x - 1}$$

Sequence: A170467
Score: 29.4203
Type of gen. func.: lgdogf

$$-\frac{26}{(x + 1)(25 x - 1)}$$

Sequence: A170467
Score: 7.30615
Type of gen. func.: ogf

$$\{a(n+2) - 25\, a(n+1),\ a(0) = 1,\ a(1) = 26\}$$

Sequence: A170468
Score: 11.8739
Type of gen. func.: ogf

$$-26 f(x) x + f(x) - x - 1$$

Sequence: A170468
Score: 14.3737
Type of gen. func.: ogf

$$-\frac{x + 1}{26 x - 1}$$

Sequence: A170468
Score: 14.8642
Type of gen. func.: revogf

$$-13 x - 1/2 + \frac{(676 x^2 + 56 x + 1)^{1/2}}{2}$$

Sequence: A170468
Score: 29.7283
Type of gen. func.: lgdogf

$$-\frac{27}{(x + 1) (26 x - 1)}$$

Sequence: A170468
Score: 7.38108
Type of gen. func.: ogf

$$\{a(n + 2) - 26 a(n + 1), a(0) = 1, a(1) = 27\}$$

Sequence: A170469
Score: 12.0547
Type of gen. func.: ogf

$$-27 f(x) x + f(x) - x - 1$$

Sequence: A170469
Score: 14.3007
Type of gen. func.: revogf

$$-\frac{27\,x}{2}-1/2+\frac{(729\,x^{2}+58\,x+1)^{1/2}}{2}$$

Sequence: A170469
Score: 14.5926
Type of gen. func.: ogf

$$-\frac{x+1}{27\,x-1}$$

Sequence: A170469
Score: 30.1904
Type of gen. func.: lgdogf

$$-\frac{28}{(x+1)\,(27\,x-1)}$$

Sequence: A170469
Score: 7.49349
Type of gen. func.: ogf

$$\{a(n+2)-27\,a(n+1),\ a(0)=1,\ a(1)=28\}$$

Sequence: A170470
Score: 12.115
Type of gen. func.: ogf

$$-28\,f(x)\,x+f(x)-x-1$$

Sequence: A170470
Score: 14.6656
Type of gen. func.: ogf

```
   x + 1
- --------
```

$$28 x - 1$$

Sequence: A170470
Score: 15.1722
Type of gen. func.: revogf

$$-14 x - 1/2 + \frac{(784 x^2 + 60 x + 1)^{1/2}}{2}$$

Sequence: A170470
Score: 30.3445
Type of gen. func.: lgdogf

$$- \frac{29}{(x + 1) (28 x - 1)}$$

Sequence: A170470
Score: 7.53096
Type of gen. func.: ogf

$$\{a(n + 2) - 28 a(n + 1), a(0) = 1, a(1) = 29\}$$

Sequence: A170471
Score: 12.2356
Type of gen. func.: ogf

$$-29 f(x) x + f(x) - x - 1$$

Sequence: A170471
Score: 14.5196
Type of gen. func.: revogf

$$- \frac{29 x}{2} - 1/2 + \frac{(841 x^2 + 62 x + 1)^{1/2}}{2}$$

Sequence: A170471
Score: 14.8115

Type of gen. func.: ogf

$$-\frac{x + 1}{29 x - 1}$$

Sequence: A170471
Score: 30.6525
Type of gen. func.: lgdogf

$$-\frac{30}{(x + 1) (29 x - 1)}$$

Sequence: A170471
Score: 7.60589
Type of gen. func.: ogf

$$\{a(n + 2) - 29 a(n + 1), a(0) = 1, a(1) = 30\}$$

Sequence: A170472
Score: 12.2958
Type of gen. func.: ogf

$$-30 f(x) x + f(x) - x - 1$$

Sequence: A170472
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{30 x - 1}$$

Sequence: A170472
Score: 15.4033
Type of gen. func.: revogf

$$-15 x - 1/2 + \frac{(900 x^2 + 64 x + 1)^{1/2}}{2}$$

Sequence: A170472
Score: 30.8066
Type of gen. func.: lgdogf

$$-\frac{31}{(x+1)\,(30\,x-1)}$$

Sequence: A170472
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n+2) - 30\,a(n+1),\ a(0) = 1,\ a(1) = 31\}$$

Sequence: A170473
Score: 12.2958
Type of gen. func.: ogf

$$-31\,f(x)\,x + f(x) - x - 1$$

Sequence: A170473
Score: 14.5926
Type of gen. func.: revogf

$$-\frac{31\,x}{2} - 1/2 + \frac{(961\,x^2 + 66\,x + 1)^{1/2}}{2}$$

Sequence: A170473
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x+1}{31\,x-1}$$

Sequence: A170473
Score: 30.8066
Type of gen. func.: lgdogf

$$-\frac{32}{}$$

$$(x + 1) (31 x - 1)$$

Sequence: A170473
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 31 a(n + 1), a(0) = 1, a(1) = 32\}$$

Sequence: A170474
Score: 12.7177
Type of gen. func.: ogf

$$-32 f(x) x + f(x) - x - 1$$

Sequence: A170474
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{32 x - 1}$$

Sequence: A170474
Score: 15.5115
Type of gen. func.: revogf

$$- 1/2 - 16 x + \frac{(1024 x^2 + 68 x + 1)^{1/2}}{2}$$

Sequence: A170474
Score: 31.8848
Type of gen. func.: lgdogf

$$-\frac{33}{(x + 1) (32 x - 1)}$$

Sequence: A170474
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n+2) - 32\, a(n+1),\ a(0) = 1,\ a(1) = 33\}$$

Sequence: A170475
Score: 12.7177
Type of gen. func.: ogf

$$-33 f(x) x + f(x) - x - 1$$

Sequence: A170475
Score: 14.7161
Type of gen. func.: revogf

$$- 1/2 - \frac{33 x}{2} + \frac{(1089 x^2 + 70 x + 1)^{1/2}}{2}$$

Sequence: A170475
Score: 15.3952
Type of gen. func.: ogf

$$- \frac{x + 1}{33 x - 1}$$

Sequence: A170475
Score: 31.8848
Type of gen. func.: lgdogf

$$- \frac{34}{(x + 1) (33 x - 1)}$$

Sequence: A170475
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n+2) - 33\, a(n+1),\ a(0) = 1,\ a(1) = 34\}$$

Sequence: A170476

Score: 12.7177
Type of gen. func.: ogf

$$-34 f(x) x + f(x) - x - 1$$

Sequence: A170476
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{34 x - 1}$$

Sequence: A170476
Score: 15.5115
Type of gen. func.: revogf

$$- 1/2 - 17 x + \frac{(1156 x^2 + 72 x + 1)^{1/2}}{2}$$

Sequence: A170476
Score: 31.8848
Type of gen. func.: lgdogf

$$-\frac{35}{(x + 1) (34 x - 1)}$$

Sequence: A170476
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 34 a(n + 1), a(0) = 1, a(1) = 35\}$$

Sequence: A170477
Score: 12.8383
Type of gen. func.: ogf

$$-35 f(x) x + f(x) - x - 1$$

Sequence: A170477
Score: 14.1334
Type of gen. func.: revogf

$$-\frac{35x}{2} - 1/2 + \frac{((1+25x)(1+49x))^{1/2}}{2}$$

Sequence: A170477
Score: 15.5411
Type of gen. func.: ogf

$$-\frac{x+1}{35x-1}$$

Sequence: A170477
Score: 32.1929
Type of gen. func.: lgdogf

$$-\frac{36}{(x+1)(35x-1)}$$

Sequence: A170477
Score: 7.98057
Type of gen. func.: ogf

$$\{a(n+2) - 35\,a(n+1),\ a(0) = 1,\ a(1) = 36\}$$

Sequence: A170478
Score: 11.1854
Type of gen. func.: ogf

$$-36\,f(x)\,x + f(x) - x - 1$$

Sequence: A170478
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x+1}{36x-1}$$

Sequence: A170478
Score: 13.6134
Type of gen. func.: revogf

$$- 1/2 - 18 x + \frac{(1296 x^2 + 76 x + 1)^{1/2}}{2}$$

Sequence: A170478
Score: 27.9832
Type of gen. func.: lgdogf

$$- \frac{37}{(x + 1) (36 x - 1)}$$

Sequence: A170478
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 36 a(n + 1), a(0) = 1, a(1) = 37\}$$

Sequence: A170479
Score: 11.1854
Type of gen. func.: ogf

$$-37 f(x) x + f(x) - x - 1$$

Sequence: A170479
Score: 12.9153
Type of gen. func.: revogf

$$- 1/2 - \frac{37 x}{2} + \frac{(1369 x^2 + 78 x + 1)^{1/2}}{2}$$

Sequence: A170479
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{37 x - 1}$$

Sequence: A170479
Score: 27.9832
Type of gen. func.: lgdogf

$$-\frac{38}{(x + 1) (37 x - 1)}$$

Sequence: A170479
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 37 a(n + 1), a(0) = 1, a(1) = 38\}$$

Sequence: A170480
Score: 11.3032
Type of gen. func.: ogf

$$-38 f(x) x + f(x) - x - 1$$

Sequence: A170480
Score: 13.6828
Type of gen. func.: ogf

$$-\frac{x + 1}{38 x - 1}$$

Sequence: A170480
Score: 13.7598
Type of gen. func.: revogf

$$- 1/2 - 19 x + \frac{(1444 x^2 + 80 x + 1)^{1/2}}{2}$$

Sequence: A170480
Score: 28.2841
Type of gen. func.: lgdogf

$$-\frac{39}{(x+1)(38x-1)}$$

Sequence: A170480
Score: 7.02630
Type of gen. func.: ogf

$$\{a(n+2) - 38\, a(n+1),\ a(0) = 1,\ a(1) = 39\}$$

Sequence: A170481
Score: 11.362
Type of gen. func.: ogf

$$-39\, f(x)\, x + f(x) - x - 1$$

Sequence: A170481
Score: 13.1236
Type of gen. func.: revogf

$$-\frac{39x}{2} - 1/2 + \frac{(1521x^2 + 82x + 1)^{1/2}}{2}$$

Sequence: A170481
Score: 13.7541
Type of gen. func.: ogf

$$-\frac{x+1}{39x-1}$$

Sequence: A170481
Score: 28.4345
Type of gen. func.: lgdogf

$$-\frac{40}{(x+1)(39x-1)}$$

Sequence: A170481
Score: 7.06289
Type of gen. func.: ogf

$$\{a(n + 2) - 39 a(n + 1), a(0) = 1, a(1) = 40\}$$

Sequence: A170482
Score: 11.4798
Type of gen. func.: ogf

$$-40 f(x) x + f(x) - x - 1$$

Sequence: A170482
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{40 x - 1}$$

Sequence: A170482
Score: 13.9794
Type of gen. func.: revogf

$$-20 x - 1/2 + \frac{(1600 x^2 + 84 x + 1)^{1/2}}{2}$$

Sequence: A170482
Score: 28.7354
Type of gen. func.: lgdogf

$$-\frac{41}{(x + 1) (40 x - 1)}$$

Sequence: A170482
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 40 a(n + 1), a(0) = 1, a(1) = 41\}$$

Sequence: A170483
Score: 11.4798
Type of gen. func.: ogf

$$-41 f(x) x + f(x) - x - 1$$

Sequence: A170483
Score: 13.2625
Type of gen. func.: revogf

$$- 1/2 - \frac{41 x}{2} + \frac{(1681 x^2 + 86 x + 1)^{1/2}}{2}$$

Sequence: A170483
Score: 13.8966
Type of gen. func.: ogf

$$- \frac{x + 1}{41 x - 1}$$

Sequence: A170483
Score: 28.7354
Type of gen. func.: lgdogf

$$- \frac{42}{(x + 1) (41 x - 1)}$$

Sequence: A170483
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 41 a(n + 1), a(0) = 1, a(1) = 42\}$$

Sequence: A170484
Score: 11.5386

Type of gen. func.: ogf

$$-42 f(x) x + f(x) - x - 1$$

Sequence: A170484
Score: 13.9678
Type of gen. func.: ogf

$$-\frac{x + 1}{42 x - 1}$$

Sequence: A170484
Score: 14.0526
Type of gen. func.: revogf

$$- 1/2 - 21 x + \frac{(1764 x^2 + 88 x + 1)^{1/2}}{2}$$

Sequence: A170484
Score: 28.8859
Type of gen. func.: lgdogf

$$-\frac{43}{(x + 1) (42 x - 1)}$$

Sequence: A170484
Score: 7.17268
Type of gen. func.: ogf

$$\{a(n + 2) - 42 a(n + 1), a(0) = 1, a(1) = 43\}$$

Sequence: A170485
Score: 11.5975
Type of gen. func.: ogf

$$-43 f(x) x + f(x) - x - 1$$

Sequence: A170485
Score: 13.4014
Type of gen. func.: revogf

$$- 1/2 - \frac{43 x}{2} + \frac{(1849 x^2 + 90 x + 1)^{1/2}}{2}$$

Sequence: A170485
Score: 14.0391
Type of gen. func.: ogf

$$- \frac{x + 1}{43 x - 1}$$

Sequence: A170485
Score: 29.0363
Type of gen. func.: lgdogf

$$- \frac{44}{(x + 1) (43 x - 1)}$$

Sequence: A170485
Score: 7.20927
Type of gen. func.: ogf

$$\{a(n + 2) - 43 a(n + 1), a(0) = 1, a(1) = 44\}$$

Sequence: A170486
Score: 11.7153
Type of gen. func.: ogf

$$-44 f(x) x + f(x) - x - 1$$

Sequence: A170486
Score: 14.1816
Type of gen. func.: ogf

$$- \frac{x + 1}{44 x - 1}$$

Sequence: A170486
Score: 14.2722
Type of gen. func.: revogf

$$- 1/2 - 22 x + \frac{(1936 x^2 + 92 x + 1)^{1/2}}{2}$$

Sequence: A170486
Score: 29.3372
Type of gen. func.: lgdogf

$$- \frac{45}{(x + 1) (44 x - 1)}$$

Sequence: A170486
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 44 a(n + 1), a(0) = 1, a(1) = 45\}$$

Sequence: A170487
Score: 11.7153
Type of gen. func.: ogf

$$-45 f(x) x + f(x) - x - 1$$

Sequence: A170487
Score: 13.5403
Type of gen. func.: revogf

$$- 1/2 - \frac{45 x}{2} + \frac{(2025 x^2 + 94 x + 1)^{1/2}}{2}$$

Sequence: A170487
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x+1}{45x-1}$$

Sequence: A170487
Score: 29.3372
Type of gen. func.: lgdogf

$$-\frac{46}{(x+1)(45x-1)}$$

Sequence: A170487
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n+2)-45\,a(n+1),\ a(0)=1,\ a(1)=46\}$$

Sequence: A170488
Score: 11.7153
Type of gen. func.: ogf

$$-46\,f(x)\,x+f(x)-x-1$$

Sequence: A170488
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x+1}{46x-1}$$

Sequence: A170488
Score: 14.2722
Type of gen. func.: revogf

$$-1/2-23x+\frac{(2116x^2+96x+1)^{1/2}}{2}$$

Sequence: A170488
Score: 29.3372
Type of gen. func.: lgdogf

$$-\frac{47}{(x+1)(46x-1)}$$

Sequence: A170488
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n+2) - 46\,a(n+1),\ a(0) = 1,\ a(1) = 47\}$$

Sequence: A170489
Score: 11.9507
Type of gen. func.: ogf

$$-47\,f(x)\,x + f(x) - x - 1$$

Sequence: A170489
Score: 13.8180
Type of gen. func.: revogf

$$-\frac{47x}{2} - 1/2 + \frac{(2209x^2 + 98x + 1)^{1/2}}{2}$$

Sequence: A170489
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x+1}{47x-1}$$

Sequence: A170489
Score: 29.9390
Type of gen. func.: lgdogf

$$-\frac{48}{(x+1)(47x-1)}$$

Sequence: A170489
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 47 a(n + 1), a(0) = 1, a(1) = 48\}$$

Sequence: A170490
Score: 11.9507
Type of gen. func.: ogf

$$-48 f(x) x + f(x) - x - 1$$

Sequence: A170490
Score: 13.8180
Type of gen. func.: revogf

$$- 1/2 - 24 x + \frac{((1 + 36 x) (64 x + 1))^{1/2}}{2}$$

Sequence: A170490
Score: 14.4667
Type of gen. func.: ogf

$$- \frac{x + 1}{48 x - 1}$$

Sequence: A170490
Score: 29.9390
Type of gen. func.: lgdogf

$$- \frac{49}{(x + 1) (48 x - 1)}$$

Sequence: A170490
Score: 7.42884
Type of gen. func.: ogf

{a(n + 2) - 48 a(n + 1), a(0) = 1, a(1) = 49}

Sequence: A170491
Score: 11.9507
Type of gen. func.: ogf

$$-49 f(x) x + f(x) - x - 1$$

Sequence: A170491
Score: 13.4725
Type of gen. func.: revogf

$$-\frac{1}{2} - \frac{49 x}{2} + \frac{(2401 x^2 + 102 x + 1)^{1/2}}{2}$$

Sequence: A170491
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{49 x - 1}$$

Sequence: A170491
Score: 29.9390
Type of gen. func.: lgdogf

$$-\frac{50}{(x + 1) (49 x - 1)}$$

Sequence: A170491
Score: 7.42884
Type of gen. func.: ogf

{a(n + 2) - 49 a(n + 1), a(0) = 1, a(1) = 50}

Sequence: A170492
Score: 15.8654
Type of gen. func.: ogf

$$-2 f(x) x + f(x) - x - 1$$

Sequence: A170492
Score: 19.2957
Type of gen. func.: ogf

$$-\frac{x + 1}{2 x - 1}$$

Sequence: A170492
Score: 23.3360
Type of gen. func.: revogf

$$-x - 1/2 + \frac{(4 x^2 + 8 x + 1)^{1/2}}{2}$$

Sequence: A170492
Score: 43.7550
Type of gen. func.: lgdogf

$$-\frac{3}{(2 x - 1) (x + 1)}$$

Sequence: A170492
Score: 9.91586
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 3\}$$

Sequence: A170493
Score: 14.5528
Type of gen. func.: ogf

$$-3 f(x) x + f(x) - x - 1$$

Sequence: A170493

Score: 17.6994
Type of gen. func.: ogf

$$-\frac{x+1}{3x-1}$$

Sequence: A170493
Score: 17.8290
Type of gen. func.: revogf

$$-\frac{3x}{2} - 1/2 + \frac{((x+1)(1+9x))^{1/2}}{2}$$

Sequence: A170493
Score: 37.7556
Type of gen. func.: lgdogf

$$-\frac{4}{(3x-1)(x+1)}$$

Sequence: A170493
Score: 9.09553
Type of gen. func.: ogf

$$\{a(n+2) - 3a(n+1), a(0) = 1, a(1) = 4\}$$

Sequence: A170494
Score: 14.619
Type of gen. func.: ogf

$$-4 f(x) x + f(x) - x - 1$$

Sequence: A170494
Score: 17.7799
Type of gen. func.: ogf

$$-\frac{x+1}{4x-1}$$

Sequence: A170494
Score: 18.9748
Type of gen. func.: revogf

$$-2 x - 1/2 + \frac{(16 x^2 + 12 x + 1)^{1/2}}{2}$$

Sequence: A170494
Score: 40.3215
Type of gen. func.: lgdogf

$$- \frac{5}{(x + 1) (4 x - 1)}$$

Sequence: A170494
Score: 9.13689
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 5\}$$

Sequence: A170495
Score: 13.6693
Type of gen. func.: ogf

$$-5 f(x) x + f(x) - x - 1$$

Sequence: A170495
Score: 16.6248
Type of gen. func.: ogf

$$- \frac{x + 1}{5 x - 1}$$

Sequence: A170495
Score: 16.7431
Type of gen. func.: revogf

```
                                   2             1/2
```

$$-1/2-\frac{5x}{2}+\frac{(25x\ +14x+1)}{2}$$

Sequence: A170495
Score: 37.6720
Type of gen. func.: lgdogf

$$-\frac{6}{(x+1)(5x-1)}$$

Sequence: A170495
Score: 8.54329
Type of gen. func.: ogf

$$\{a(n+2)-5a(n+1), a(0)=1, a(1)=6\}$$

Sequence: A170496
Score: 13.4636
Type of gen. func.: ogf

$$-6 f(x) x + f(x) - x - 1$$

Sequence: A170496
Score: 16.3746
Type of gen. func.: ogf

$$-\frac{x+1}{-1+6x}$$

Sequence: A170496
Score: 17.4612
Type of gen. func.: revogf

$$-3x-1/2+\frac{(36x^2+16x+1)^{1/2}}{2}$$

Sequence: A170496

Score: 37.1051
Type of gen. func.: lgdogf

$$-\frac{7}{(x+1)(-1+6x)}$$

Sequence: A170496
Score: 8.41471
Type of gen. func.: ogf

$$\{a(n+2) - 6 a(n+1), a(0) = 1, a(1) = 7\}$$

Sequence: A170497
Score: 12.9815
Type of gen. func.: ogf

$$-7 f(x) x + f(x) - x - 1$$

Sequence: A170497
Score: 15.7883
Type of gen. func.: ogf

$$-\frac{x+1}{7x-1}$$

Sequence: A170497
Score: 15.8940
Type of gen. func.: revogf

$$-1/2 - \frac{7x}{2} + \frac{(49x^2 + 18x + 1)^{1/2}}{2}$$

Sequence: A170497
Score: 35.7615
Type of gen. func.: lgdogf

$$-\frac{8}{(x+1)(7x-1)}$$

Sequence: A170497
Score: 8.11343
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1), a(0) = 1, a(1) = 8\}$$

Sequence: A170498
Score: 13.6472
Type of gen. func.: ogf

$$-8 f(x) x + f(x) - x - 1$$

Sequence: A170498
Score: 16.2741
Type of gen. func.: revogf

$$-4 x - 1/2 + \frac{((4 x + 1) (1 + 16 x))^{1/2}}{2}$$

Sequence: A170498
Score: 16.5980
Type of gen. func.: ogf

$$- \frac{x + 1}{8 x - 1}$$

Sequence: A170498
Score: 37.6339
Type of gen. func.: lgdogf

$$- \frac{9}{(x + 1) (8 x - 1)}$$

Sequence: A170498
Score: 8.52951
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 9\}$$

Sequence: A170499
Score: 12.7592
Type of gen. func.: ogf

$$-9 f(x) x + f(x) - x - 1$$

Sequence: A170499
Score: 15.5180
Type of gen. func.: ogf

$$-\frac{x + 1}{9 x - 1}$$

Sequence: A170499
Score: 15.6219
Type of gen. func.: revogf

$$-1/2 - \frac{9 x}{2} + \frac{(81 x^{2} + 22 x + 1)^{1/2}}{2}$$

Sequence: A170499
Score: 33.0816
Type of gen. func.: lgdogf

$$-\frac{10}{(x + 1) (9 x - 1)}$$

Sequence: A170499
Score: 7.86529
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 10\}$$

Sequence: A170500
Score: 12.0642
Type of gen. func.: ogf

$$-10 f(x) x + f(x) - x - 1$$

Sequence: A170500
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x + 1}{10 x - 1}$$

Sequence: A170500
Score: 15.5254
Type of gen. func.: revogf

$$-5 x - 1/2 + \frac{(100 x^2 + 24 x + 1)^{1/2}}{2}$$

Sequence: A170500
Score: 30.1883
Type of gen. func.: lgdogf

$$-\frac{11}{(x + 1) (10 x - 1)}$$

Sequence: A170500
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 11\}$$

Sequence: A170501
Score: 12.0642
Type of gen. func.: ogf

$$-11 f(x) x + f(x) - x - 1$$

Sequence: A170501
Score: 14.2997

Type of gen. func.: revogf

$$-\frac{1}{2}-\frac{11x}{2}+\frac{(121x^2+26x+1)^{1/2}}{2}$$

Sequence: A170501
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x+1}{11x-1}$$

Sequence: A170501
Score: 30.1883
Type of gen. func.: lgdogf

$$-\frac{12}{(x+1)(11x-1)}$$

Sequence: A170501
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n+2)-11a(n+1), a(0)=1, a(1)=12\}$$

Sequence: A170502
Score: 10.9017
Type of gen. func.: ogf

$$-12f(x)x+f(x)-x-1$$

Sequence: A170502
Score: 13.1968
Type of gen. func.: ogf

$$-\frac{x+1}{12x-1}$$

Sequence: A170502
Score: 14.0042
Type of gen. func.: revogf

$$- 1/2 - 6 x + \frac{(144 x^2 + 28 x + 1)^{1/2}}{2}$$

Sequence: A170502
Score: 27.2303
Type of gen. func.: lgdogf

$$- \frac{13}{(x + 1) (12 x - 1)}$$

Sequence: A170502
Score: 6.77673
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1), a(0) = 1, a(1) = 13\}$$

Sequence: A170503
Score: 11.1481
Type of gen. func.: ogf

$$-13 f(x) x + f(x) - x - 1$$

Sequence: A170503
Score: 13.1968
Type of gen. func.: revogf

$$- 1/2 - \frac{13 x}{2} + \frac{(169 x^2 + 30 x + 1)^{1/2}}{2}$$

Sequence: A170503
Score: 13.4950
Type of gen. func.: ogf

$$x + 1$$

$$-\frac{}{13 x - 1}$$

Sequence: A170503
Score: 27.8599
Type of gen. func.: lgdogf

$$-\frac{14}{(x + 1) (13 x - 1)}$$

Sequence: A170503
Score: 6.92988
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1), a(0) = 1, a(1) = 14\}$$

Sequence: A170504
Score: 11.456
Type of gen. func.: ogf

$$-14 f(x) x + f(x) - x - 1$$

Sequence: A170504
Score: 13.8678
Type of gen. func.: ogf

$$-\frac{x + 1}{14 x - 1}$$

Sequence: A170504
Score: 14.7327
Type of gen. func.: revogf

$$- 1/2 - 7 x + \frac{(196 x^2 + 32 x + 1)^{1/2}}{2}$$

Sequence: A170504
Score: 28.6469

Type of gen. func.: lgdogf

$$-\frac{15}{(x + 1)(14 x - 1)}$$

Sequence: A170504
Score: 7.12131
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1), a(0) = 1, a(1) = 15\}$$

Sequence: A170505
Score: 11.6408
Type of gen. func.: ogf

$$-15 f(x) x + f(x) - x - 1$$

Sequence: A170505
Score: 13.1036
Type of gen. func.: revogf

$$- 1/2 - \frac{15 x}{2} + \frac{((1 + 9 x)(1 + 25 x))^{1/2}}{2}$$

Sequence: A170505
Score: 14.0915
Type of gen. func.: ogf

$$-\frac{x + 1}{15 x - 1}$$

Sequence: A170505
Score: 29.1191
Type of gen. func.: lgdogf

$$-\frac{16}{(x + 1)(15 x - 1)}$$

Sequence: A170505
Score: 7.23618
Type of gen. func.: ogf

$$\{a(n+2) - 15 a(n+1), a(0) = 1, a(1) = 16\}$$

Sequence: A170506
Score: 11.9488
Type of gen. func.: ogf

$$-16 f(x) x + f(x) - x - 1$$

Sequence: A170506
Score: 14.4643
Type of gen. func.: ogf

$$-\frac{x+1}{16 x - 1}$$

Sequence: A170506
Score: 15.3803
Type of gen. func.: revogf

$$-1/2 - 8 x + \frac{(256 x^2 + 36 x + 1)^{1/2}}{2}$$

Sequence: A170506
Score: 29.9061
Type of gen. func.: lgdogf

$$-\frac{17}{(x+1)(16 x - 1)}$$

Sequence: A170506
Score: 7.42761
Type of gen. func.: ogf

$$\{a(n+2) - 16 a(n+1), a(0) = 1, a(1) = 17\}$$

Sequence: A170507
Score: 12.1335
Type of gen. func.: ogf

$$-17 f(x) x + f(x) - x - 1$$

Sequence: A170507
Score: 14.3897
Type of gen. func.: revogf

$$- 1/2 - \frac{17 x}{2} + \frac{(289 x^{2} + 38 x + 1)^{1/2}}{2}$$

Sequence: A170507
Score: 14.6879
Type of gen. func.: ogf

$$- \frac{x + 1}{17 x - 1}$$

Sequence: A170507
Score: 30.3783
Type of gen. func.: lgdogf

$$- \frac{18}{(x + 1) (17 x - 1)}$$

Sequence: A170507
Score: 7.54246
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1), a(0) = 1, a(1) = 18\}$$

Sequence: A170508
Score: 10.789
Type of gen. func.: ogf

$$-18 f(x) x + f(x) - x - 1$$

Sequence: A170508
Score: 13.0604
Type of gen. func.: ogf

$$-\frac{x + 1}{18 x - 1}$$

Sequence: A170508
Score: 13.8630
Type of gen. func.: revogf

$$-1/2 - 9 x + \frac{(324 x^2 + 40 x + 1)^{1/2}}{2}$$

Sequence: A170508
Score: 26.9557
Type of gen. func.: lgdogf

$$-\frac{19}{(x + 1) (18 x - 1)}$$

Sequence: A170508
Score: 6.70668
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1), a(0) = 1, a(1) = 19\}$$

Sequence: A170509
Score: 10.9095
Type of gen. func.: ogf

$$-19 f(x) x + f(x) - x - 1$$

Sequence: A170509
Score: 12.9144
Type of gen. func.: revogf

$$-1/2-\frac{19\,x}{2}+\frac{(361\,x^2+42\,x+1)^{1/2}}{2}$$

Sequence: A170509
Score: 13.2063
Type of gen. func.: ogf

$$-\frac{x+1}{19\,x-1}$$

Sequence: A170509
Score: 27.2638
Type of gen. func.: lgdogf

$$-\frac{20}{(x+1)\,(19\,x-1)}$$

Sequence: A170509
Score: 6.78161
Type of gen. func.: ogf

$$\{a(n+2)-19\,a(n+1),\ a(0)=1,\ a(1)=20\}$$

Sequence: A170510
Score: 11.0904
Type of gen. func.: ogf

$$-20\,f(x)\,x+f(x)-x-1$$

Sequence: A170510
Score: 13.4252
Type of gen. func.: ogf

$$-\frac{x+1}{20\,x-1}$$

Sequence: A170510
Score: 13.8630
Type of gen. func.: revogf

$$- 1/2 - 10 x + \frac{(400 x^2 + 44 x + 1)^{1/2}}{2}$$

Sequence: A170510
Score: 26.2666
Type of gen. func.: lgdogf

$$- \frac{21}{(x + 1) (20 x - 1)}$$

Sequence: A170510
Score: 6.89401
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1), a(0) = 1, a(1) = 21\}$$

Sequence: A170511
Score: 11.1506
Type of gen. func.: ogf

$$-21 f(x) x + f(x) - x - 1$$

Sequence: A170511
Score: 13.2063
Type of gen. func.: revogf

$$- 1/2 - \frac{21 x}{2} + \frac{(441 x^2 + 46 x + 1)^{1/2}}{2}$$

Sequence: A170511
Score: 13.4981
Type of gen. func.: ogf

$$- \frac{x + 1}{}$$

$$21 x - 1$$

Sequence: A170511
Score: 27.8799
Type of gen. func.: lgdogf

$$-\frac{22}{(x + 1) (21 x - 1)}$$

Sequence: A170511
Score: 6.93147
Type of gen. func.: ogf

$$\{a(n + 2) - 21 a(n + 1), a(0) = 1, a(1) = 22\}$$

Sequence: A170512
Score: 11.452
Type of gen. func.: ogf

$$-22 f(x) x + f(x) - x - 1$$

Sequence: A170512
Score: 13.8629
Type of gen. func.: ogf

$$-\frac{x + 1}{22 x - 1}$$

Sequence: A170512
Score: 14.3250
Type of gen. func.: revogf

$$- 1/2 - 11 x + \frac{(484 x^2 + 48 x + 1)^{1/2}}{2}$$

Sequence: A170512
Score: 28.6501
Type of gen. func.: lgdogf

$$-\frac{23}{(x+1)(22x-1)}$$

Sequence: A170512
Score: 7.11881
Type of gen. func.: ogf

$$\{a(n+2) - 22\,a(n+1),\ a(0) = 1,\ a(1) = 23\}$$

Sequence: A170513
Score: 11.5123
Type of gen. func.: ogf

$$-23\,f(x)\,x + f(x) - x - 1$$

Sequence: A170513
Score: 13.6441
Type of gen. func.: revogf

$$-\frac{23x}{2} - 1/2 + \frac{(529x^2 + 50x + 1)^{1/2}}{2}$$

Sequence: A170513
Score: 13.9359
Type of gen. func.: ogf

$$-\frac{x+1}{23x-1}$$

Sequence: A170513
Score: 28.8041
Type of gen. func.: lgdogf

$$-\frac{24}{(x+1)(23x-1)}$$

Sequence: A170513
Score: 7.15628
Type of gen. func.: ogf

$$\{a(n + 2) - 23 a(n + 1), a(0) = 1, a(1) = 24\}$$

Sequence: A170514
Score: 11.6328
Type of gen. func.: ogf

$$-24 f(x) x + f(x) - x - 1$$

Sequence: A170514
Score: 13.4364
Type of gen. func.: revogf

$$-12 x - 1/2 + \frac{((1 + 16 x) (1 + 36 x))^{1/2}}{2}$$

Sequence: A170514
Score: 14.0818
Type of gen. func.: ogf

$$-\frac{x + 1}{24 x - 1}$$

Sequence: A170514
Score: 29.1122
Type of gen. func.: lgdogf

$$-\frac{25}{(x + 1) (24 x - 1)}$$

Sequence: A170514
Score: 7.23122
Type of gen. func.: ogf

$$\{a(n + 2) - 24 a(n + 1), a(0) = 1, a(1) = 25\}$$

Sequence: A170515
Score: 11.7534
Type of gen. func.: ogf

$$-25 f(x) x + f(x) - x - 1$$

Sequence: A170515
Score: 13.9359
Type of gen. func.: revogf

$$- 1/2 - \frac{25 x}{2} + \frac{(625 x^2 + 54 x + 1)^{1/2}}{2}$$

Sequence: A170515
Score: 14.2278
Type of gen. func.: ogf

$$- \frac{x + 1}{25 x - 1}$$

Sequence: A170515
Score: 29.4203
Type of gen. func.: lgdogf

$$- \frac{26}{(x + 1) (25 x - 1)}$$

Sequence: A170515
Score: 7.30615
Type of gen. func.: ogf

$$\{a(n + 2) - 25 a(n + 1), a(0) = 1, a(1) = 26\}$$

Sequence: A170516
Score: 11.8739
Type of gen. func.: ogf

$$-26 f(x) x + f(x) - x - 1$$

Sequence: A170516
Score: 14.3737
Type of gen. func.: ogf

$$-\frac{x+1}{26x-1}$$

Sequence: A170516
Score: 14.8642
Type of gen. func.: revogf

$$-13x-1/2+\frac{(676x^2+56x+1)^{1/2}}{2}$$

Sequence: A170516
Score: 29.7283
Type of gen. func.: lgdogf

$$-\frac{27}{(x+1)(26x-1)}$$

Sequence: A170516
Score: 7.38108
Type of gen. func.: ogf

$$\{a(n+2)-26a(n+1), a(0)=1, a(1)=27\}$$

Sequence: A170517
Score: 12.0547
Type of gen. func.: ogf

$$-27f(x)x+f(x)-x-1$$

Sequence: A170517
Score: 14.3007
Type of gen. func.: revogf

$$-\frac{27 x}{2} - 1/2 + \frac{(729 x^2 + 58 x + 1)^{1/2}}{2}$$

Sequence: A170517
Score: 14.5926
Type of gen. func.: ogf

$$-\frac{x + 1}{27 x - 1}$$

Sequence: A170517
Score: 30.1904
Type of gen. func.: lgdogf

$$-\frac{28}{(x + 1) (27 x - 1)}$$

Sequence: A170517
Score: 7.49349
Type of gen. func.: ogf

$$\{a(n + 2) - 27 a(n + 1), a(0) = 1, a(1) = 28\}$$

Sequence: A170518
Score: 12.115
Type of gen. func.: ogf

$$-28 f(x) x + f(x) - x - 1$$

Sequence: A170518
Score: 14.6656
Type of gen. func.: ogf

$$-\frac{x + 1}{28 x - 1}$$

Sequence: A170518
Score: 15.1722
Type of gen. func.: revogf

$$-14 x - 1/2 + \frac{(784 x^2 + 60 x + 1)^{1/2}}{2}$$

Sequence: A170518
Score: 30.3445
Type of gen. func.: lgdogf

$$- \frac{29}{(x + 1) (28 x - 1)}$$

Sequence: A170518
Score: 7.53096
Type of gen. func.: ogf

$$\{a(n + 2) - 28 a(n + 1), a(0) = 1, a(1) = 29\}$$

Sequence: A170519
Score: 12.2356
Type of gen. func.: ogf

$$-29 f(x) x + f(x) - x - 1$$

Sequence: A170519
Score: 14.5196
Type of gen. func.: revogf

$$- \frac{29 x}{2} - 1/2 + \frac{(841 x^2 + 62 x + 1)^{1/2}}{2}$$

Sequence: A170519
Score: 14.8115
Type of gen. func.: ogf

$$- \frac{x + 1}{29 x - 1}$$

Sequence: A170519
Score: 30.6525
Type of gen. func.: lgdogf

$$-\frac{30}{(x+1)(29x-1)}$$

Sequence: A170519
Score: 7.60589
Type of gen. func.: ogf

{a(n + 2) - 29 a(n + 1), a(0) = 1, a(1) = 30}

Sequence: A170520
Score: 12.2958
Type of gen. func.: ogf

$$-30 f(x) x + f(x) - x - 1$$

Sequence: A170520
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x+1}{30x-1}$$

Sequence: A170520
Score: 15.4033
Type of gen. func.: revogf

$$-15x - 1/2 + \frac{(900x^2 + 64x + 1)^{1/2}}{2}$$

Sequence: A170520
Score: 30.8066
Type of gen. func.: lgdogf

$$-\frac{31}{(x + 1)(30 x - 1)}$$

Sequence: A170520
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 30 a(n + 1), a(0) = 1, a(1) = 31\}$$

Sequence: A170521
Score: 12.2958
Type of gen. func.: ogf

$$-31 f(x) x + f(x) - x - 1$$

Sequence: A170521
Score: 14.5926
Type of gen. func.: revogf

$$-\frac{31 x}{2} - 1/2 + \frac{(961 x^2 + 66 x + 1)^{1/2}}{2}$$

Sequence: A170521
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{31 x - 1}$$

Sequence: A170521
Score: 30.8066
Type of gen. func.: lgdogf

$$-\frac{32}{(x + 1)(31 x - 1)}$$

Sequence: A170521
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 31 a(n + 1), a(0) = 1, a(1) = 32\}$$

Sequence: A170522
Score: 12.7177
Type of gen. func.: ogf

$$-32 f(x) x + f(x) - x - 1$$

Sequence: A170522
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{32 x - 1}$$

Sequence: A170522
Score: 15.5115
Type of gen. func.: revogf

$$- 1/2 - 16 x + \frac{(1024 x^2 + 68 x + 1)^{1/2}}{2}$$

Sequence: A170522
Score: 31.8848
Type of gen. func.: lgdogf

$$-\frac{33}{(x + 1) (32 x - 1)}$$

Sequence: A170522
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 32 a(n + 1), a(0) = 1, a(1) = 33\}$$

Sequence: A170523
Score: 12.7177
Type of gen. func.: ogf

$$-33 f(x) x + f(x) - x - 1$$

Sequence: A170523
Score: 14.7161
Type of gen. func.: revogf

$$- 1/2 - \frac{33 x}{2} + \frac{(1089 x^2 + 70 x + 1)^{1/2}}{2}$$

Sequence: A170523
Score: 15.3952
Type of gen. func.: ogf

$$- \frac{x + 1}{33 x - 1}$$

Sequence: A170523
Score: 31.8848
Type of gen. func.: lgdogf

$$- \frac{34}{(x + 1) (33 x - 1)}$$

Sequence: A170523
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 33 a(n + 1), a(0) = 1, a(1) = 34\}$$

Sequence: A170524
Score: 12.7177
Type of gen. func.: ogf

$$-34 f(x) x + f(x) - x - 1$$

Sequence: A170524
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x+1}{34x-1}$$

Sequence: A170524
Score: 15.5115
Type of gen. func.: revogf

$$-1/2 - 17x + \frac{(1156x^2 + 72x + 1)^{1/2}}{2}$$

Sequence: A170524
Score: 31.8848
Type of gen. func.: lgdogf

$$-\frac{35}{(x+1)(34x-1)}$$

Sequence: A170524
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n+2) - 34\,a(n+1),\ a(0) = 1,\ a(1) = 35\}$$

Sequence: A170525
Score: 12.8383
Type of gen. func.: ogf

$$-35 f(x) x + f(x) - x - 1$$

Sequence: A170525
Score: 14.1334
Type of gen. func.: revogf

$$-\frac{35\,x}{2} - 1/2 + \frac{((1 + 25\,x)\,(1 + 49\,x))^{1/2}}{2}$$

Sequence: A170525
Score: 15.5411
Type of gen. func.: ogf

$$-\frac{x + 1}{35\,x - 1}$$

Sequence: A170525
Score: 32.1929
Type of gen. func.: lgdogf

$$-\frac{36}{(x + 1)\,(35\,x - 1)}$$

Sequence: A170525
Score: 7.98057
Type of gen. func.: ogf

$$\{a(n + 2) - 35\,a(n + 1),\ a(0) = 1,\ a(1) = 36\}$$

Sequence: A170526
Score: 11.1854
Type of gen. func.: ogf

$$-36\,f(x)\,x + f(x) - x - 1$$

Sequence: A170526
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{36\,x - 1}$$

Sequence: A170526

Score: 13.6134
Type of gen. func.: revogf

$$-1/2 - 18 x + \frac{(1296 x^2 + 76 x + 1)^{1/2}}{2}$$

Sequence: A170526
Score: 27.9832
Type of gen. func.: lgdogf

$$-\frac{37}{(x + 1) (36 x - 1)}$$

Sequence: A170526
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 36 a(n + 1), a(0) = 1, a(1) = 37\}$$

Sequence: A170527
Score: 11.1854
Type of gen. func.: ogf

$$-37 f(x) x + f(x) - x - 1$$

Sequence: A170527
Score: 12.9153
Type of gen. func.: revogf

$$-1/2 - \frac{37 x}{2} + \frac{(1369 x^2 + 78 x + 1)^{1/2}}{2}$$

Sequence: A170527
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{37 x - 1}$$

Sequence: A170527
Score: 27.9832
Type of gen. func.: lgdogf

$$-\frac{38}{(x + 1) (37 x - 1)}$$

Sequence: A170527
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 37 a(n + 1), a(0) = 1, a(1) = 38\}$$

Sequence: A170528
Score: 11.3032
Type of gen. func.: ogf

$$-38 f(x) x + f(x) - x - 1$$

Sequence: A170528
Score: 13.6828
Type of gen. func.: ogf

$$-\frac{x + 1}{38 x - 1}$$

Sequence: A170528
Score: 13.7598
Type of gen. func.: revogf

$$- 1/2 - 19 x + \frac{(1444 x^2 + 80 x + 1)^{1/2}}{2}$$

Sequence: A170528
Score: 28.2841
Type of gen. func.: lgdogf

$$-\frac{39}{(x+1)(38x-1)}$$

Sequence: A170528
Score: 7.02630
Type of gen. func.: ogf

$$\{a(n+2) - 38\,a(n+1),\ a(0) = 1,\ a(1) = 39\}$$

Sequence: A170529
Score: 11.362
Type of gen. func.: ogf

$$-39\,f(x)\,x + f(x) - x - 1$$

Sequence: A170529
Score: 13.1236
Type of gen. func.: revogf

$$-\frac{39x}{2} - 1/2 + \frac{(1521x^2 + 82x + 1)^{1/2}}{2}$$

Sequence: A170529
Score: 13.7541
Type of gen. func.: ogf

$$-\frac{x+1}{39x-1}$$

Sequence: A170529
Score: 28.4345
Type of gen. func.: lgdogf

$$-\frac{40}{(x+1)(39x-1)}$$

Sequence: A170529

Score: 7.06289
Type of gen. func.: ogf

$$\{a(n + 2) - 39 a(n + 1), a(0) = 1, a(1) = 40\}$$

Sequence: A170530
Score: 11.4798
Type of gen. func.: ogf

$$-40 f(x) x + f(x) - x - 1$$

Sequence: A170530
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{40 x - 1}$$

Sequence: A170530
Score: 13.9794
Type of gen. func.: revogf

$$-20 x - 1/2 + \frac{(1600 x^2 + 84 x + 1)^{1/2}}{2}$$

Sequence: A170530
Score: 28.7354
Type of gen. func.: lgdogf

$$-\frac{41}{(x + 1) (40 x - 1)}$$

Sequence: A170530
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 40 a(n + 1), a(0) = 1, a(1) = 41\}$$

Sequence: A170531
Score: 11.4798
Type of gen. func.: ogf

$$-41 f(x) x + f(x) - x - 1$$

Sequence: A170531
Score: 13.2625
Type of gen. func.: revogf

$$- 1/2 - \frac{41 x}{2} + \frac{(1681 x^2 + 86 x + 1)^{1/2}}{2}$$

Sequence: A170531
Score: 13.8966
Type of gen. func.: ogf

$$- \frac{x + 1}{41 x - 1}$$

Sequence: A170531
Score: 28.7354
Type of gen. func.: lgdogf

$$- \frac{42}{(x + 1) (41 x - 1)}$$

Sequence: A170531
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 41 a(n + 1), a(0) = 1, a(1) = 42\}$$

Sequence: A170532
Score: 11.5386
Type of gen. func.: ogf

$$-42 f(x) x + f(x) - x - 1$$

Sequence: A170532
Score: 13.9678
Type of gen. func.: ogf

$$-\frac{x+1}{42x-1}$$

Sequence: A170532
Score: 14.0526
Type of gen. func.: revogf

$$-1/2 - 21x + \frac{(1764x^2 + 88x + 1)^{1/2}}{2}$$

Sequence: A170532
Score: 28.8859
Type of gen. func.: lgdogf

$$-\frac{43}{(x+1)(42x-1)}$$

Sequence: A170532
Score: 7.17268
Type of gen. func.: ogf

$$\{a(n+2) - 42\,a(n+1),\ a(0) = 1,\ a(1) = 43\}$$

Sequence: A170533
Score: 11.5975
Type of gen. func.: ogf

$$-43 f(x) x + f(x) - x - 1$$

Sequence: A170533
Score: 13.4014
Type of gen. func.: revogf

$$\quad {}^{2} \qquad\qquad {}^{1/2}$$

$$- 1/2 - \frac{43 x}{2} + \frac{(1849 x + 90 x + 1)}{2}$$

Sequence: A170533
Score: 14.0391
Type of gen. func.: ogf

$$- \frac{x + 1}{43 x - 1}$$

Sequence: A170533
Score: 29.0363
Type of gen. func.: lgdogf

$$- \frac{44}{(x + 1) (43 x - 1)}$$

Sequence: A170533
Score: 7.20927
Type of gen. func.: ogf

$$\{a(n + 2) - 43 a(n + 1), a(0) = 1, a(1) = 44\}$$

Sequence: A170534
Score: 11.7153
Type of gen. func.: ogf

$$-44 f(x) x + f(x) - x - 1$$

Sequence: A170534
Score: 14.1816
Type of gen. func.: ogf

$$- \frac{x + 1}{44 x - 1}$$

Sequence: A170534
Score: 14.2722

Type of gen. func.: revogf

$$-\frac{1}{2} - 22x + \frac{(1936x^2 + 92x + 1)^{1/2}}{2}$$

Sequence: A170534
Score: 29.3372
Type of gen. func.: lgdogf

$$-\frac{45}{(x+1)(44x-1)}$$

Sequence: A170534
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n+2) - 44\,a(n+1),\ a(0) = 1,\ a(1) = 45\}$$

Sequence: A170535
Score: 11.7153
Type of gen. func.: ogf

$$-45 f(x)\,x + f(x) - x - 1$$

Sequence: A170535
Score: 13.5403
Type of gen. func.: revogf

$$-\frac{1}{2} - \frac{45x}{2} + \frac{(2025x^2 + 94x + 1)^{1/2}}{2}$$

Sequence: A170535
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x+1}{45x-1}$$

Sequence: A170535
Score: 29.3372
Type of gen. func.: lgdogf

$$-\frac{46}{(x+1)(45x-1)}$$

Sequence: A170535
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n+2)-45\,a(n+1),\ a(0)=1,\ a(1)=46\}$$

Sequence: A170536
Score: 11.7153
Type of gen. func.: ogf

$$-46\,f(x)\,x+f(x)-x-1$$

Sequence: A170536
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x+1}{46x-1}$$

Sequence: A170536
Score: 14.2722
Type of gen. func.: revogf

$$-1/2-23x+\frac{(2116x^2+96x+1)^{1/2}}{2}$$

Sequence: A170536
Score: 29.3372
Type of gen. func.: lgdogf

$$-\frac{}{(x + 1) (46 x - 1)}$$

Sequence: A170536
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 46 a(n + 1), a(0) = 1, a(1) = 47\}$$

Sequence: A170537
Score: 11.9507
Type of gen. func.: ogf

$$-47 f(x) x + f(x) - x - 1$$

Sequence: A170537
Score: 13.8180
Type of gen. func.: revogf

$$-\frac{47 x}{2} - 1/2 + \frac{(2209 x^2 + 98 x + 1)^{1/2}}{2}$$

Sequence: A170537
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{47 x - 1}$$

Sequence: A170537
Score: 29.9390
Type of gen. func.: lgdogf

$$-\frac{48}{(x + 1) (47 x - 1)}$$

Sequence: A170537
Score: 7.42884

Type of gen. func.: ogf

$$\{a(n + 2) - 47 a(n + 1), a(0) = 1, a(1) = 48\}$$

Sequence: A170538
Score: 11.9507
Type of gen. func.: ogf

$$-48 f(x) x + f(x) - x - 1$$

Sequence: A170538
Score: 13.8180
Type of gen. func.: revogf

$$- 1/2 - 24 x + \frac{((1 + 36 x) (64 x + 1))^{1/2}}{2}$$

Sequence: A170538
Score: 14.4667
Type of gen. func.: ogf

$$- \frac{x + 1}{48 x - 1}$$

Sequence: A170538
Score: 29.9390
Type of gen. func.: lgdogf

$$- \frac{49}{(x + 1) (48 x - 1)}$$

Sequence: A170538
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 48 a(n + 1), a(0) = 1, a(1) = 49\}$$

Sequence: A170539
Score: 11.9507
Type of gen. func.: ogf

$$-49 f(x) x + f(x) - x - 1$$

Sequence: A170539
Score: 13.4725
Type of gen. func.: revogf

$$- 1/2 - \frac{49 x}{2} + \frac{(2401 x^2 + 102 x + 1)^{1/2}}{2}$$

Sequence: A170539
Score: 14.4667
Type of gen. func.: ogf

$$- \frac{x + 1}{49 x - 1}$$

Sequence: A170539
Score: 29.9390
Type of gen. func.: lgdogf

$$- \frac{50}{(x + 1) (49 x - 1)}$$

Sequence: A170539
Score: 7.42884
Type of gen. func.: ogf

{a(n + 2) - 49 a(n + 1), a(0) = 1, a(1) = 50}

Sequence: A170540
Score: 15.8654
Type of gen. func.: ogf

$$-2 f(x) x + f(x) - x - 1$$

Sequence: A170540
Score: 19.2957
Type of gen. func.: ogf

$$-\frac{x + 1}{2 x - 1}$$

Sequence: A170540
Score: 23.3360
Type of gen. func.: revogf

$$-x - 1/2 + \frac{(4 x^2 + 8 x + 1)^{1/2}}{2}$$

Sequence: A170540
Score: 43.7550
Type of gen. func.: lgdogf

$$-\frac{3}{(2 x - 1) (x + 1)}$$

Sequence: A170540
Score: 9.91586
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 3\}$$

Sequence: A170541
Score: 14.5528
Type of gen. func.: ogf

$$-3 f(x) x + f(x) - x - 1$$

Sequence: A170541
Score: 17.6994
Type of gen. func.: ogf

```
  x + 1
- -------
```

$$3 x - 1$$

Sequence: A170541
Score: 17.8290
Type of gen. func.: revogf

$$-\frac{3 x}{2} - 1/2 + \frac{((x + 1) (1 + 9 x))^{1/2}}{2}$$

Sequence: A170541
Score: 37.7556
Type of gen. func.: lgdogf

$$-\frac{4}{(3 x - 1) (x + 1)}$$

Sequence: A170541
Score: 9.09553
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 4\}$$

Sequence: A170542
Score: 14.619
Type of gen. func.: ogf

$$-4 f(x) x + f(x) - x - 1$$

Sequence: A170542
Score: 17.7799
Type of gen. func.: ogf

$$-\frac{x + 1}{4 x - 1}$$

Sequence: A170542
Score: 18.9748
Type of gen. func.: revogf

$$-2 x - 1/2 + \frac{(16 x^2 + 12 x + 1)^{1/2}}{2}$$

Sequence: A170542
Score: 40.3215
Type of gen. func.: lgdogf

$$- \frac{5}{(x + 1) (4 x - 1)}$$

Sequence: A170542
Score: 9.13689
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 5\}$$

Sequence: A170543
Score: 13.6693
Type of gen. func.: ogf

$$-5 f(x) x + f(x) - x - 1$$

Sequence: A170543
Score: 16.6248
Type of gen. func.: ogf

$$- \frac{x + 1}{5 x - 1}$$

Sequence: A170543
Score: 16.7431
Type of gen. func.: revogf

$$- 1/2 - \frac{5 x}{2} + \frac{(25 x^2 + 14 x + 1)^{1/2}}{2}$$

Sequence: A170543
Score: 37.6720
Type of gen. func.: lgdogf

$$-\frac{6}{(x + 1) (5 x - 1)}$$

Sequence: A170543
Score: 8.54329
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1), a(0) = 1, a(1) = 6\}$$

Sequence: A170544
Score: 13.4636
Type of gen. func.: ogf

$$-6 f(x) x + f(x) - x - 1$$

Sequence: A170544
Score: 16.3746
Type of gen. func.: ogf

$$-\frac{x + 1}{-1 + 6 x}$$

Sequence: A170544
Score: 17.4612
Type of gen. func.: revogf

$$-3 x - 1/2 + \frac{(36 x^2 + 16 x + 1)^{1/2}}{2}$$

Sequence: A170544
Score: 37.1051
Type of gen. func.: lgdogf

$$-\frac{7}{}$$

$$(x + 1) (-1 + 6 x)$$

Sequence: A170544
Score: 8.41471
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 7\}$$

Sequence: A170545
Score: 12.9815
Type of gen. func.: ogf

$$-7 f(x) x + f(x) - x - 1$$

Sequence: A170545
Score: 15.7883
Type of gen. func.: ogf

$$- \frac{x + 1}{7 x - 1}$$

Sequence: A170545
Score: 15.8940
Type of gen. func.: revogf

$$- 1/2 - \frac{7 x}{2} + \frac{(49 x^2 + 18 x + 1)^{1/2}}{2}$$

Sequence: A170545
Score: 35.7615
Type of gen. func.: lgdogf

$$- \frac{8}{(x + 1) (7 x - 1)}$$

Sequence: A170545
Score: 8.11343
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1), a(0) = 1, a(1) = 8\}$$

Sequence: A170546
Score: 13.6472
Type of gen. func.: ogf

$$-8 f(x) x + f(x) - x - 1$$

Sequence: A170546
Score: 16.2741
Type of gen. func.: revogf

$$-4 x - 1/2 + \frac{((4 x + 1) (1 + 16 x))^{1/2}}{2}$$

Sequence: A170546
Score: 16.5980
Type of gen. func.: ogf

$$- \frac{x + 1}{8 x - 1}$$

Sequence: A170546
Score: 37.6339
Type of gen. func.: lgdogf

$$- \frac{9}{(x + 1) (8 x - 1)}$$

Sequence: A170546
Score: 8.52951
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 9\}$$

Sequence: A170547

Score: 12.7592
Type of gen. func.: ogf

$$-9 f(x) x + f(x) - x - 1$$

Sequence: A170547
Score: 15.5180
Type of gen. func.: ogf

$$-\frac{x + 1}{9 x - 1}$$

Sequence: A170547
Score: 15.6219
Type of gen. func.: revogf

$$- 1/2 - \frac{9 x}{2} + \frac{(81 x^{2} + 22 x + 1)^{1/2}}{2}$$

Sequence: A170547
Score: 33.0816
Type of gen. func.: lgdogf

$$-\frac{10}{(x + 1) (9 x - 1)}$$

Sequence: A170547
Score: 7.86529
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 10\}$$

Sequence: A170548
Score: 12.0642
Type of gen. func.: ogf

$$-10 f(x) x + f(x) - x - 1$$

Sequence: A170548
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x + 1}{10 x - 1}$$

Sequence: A170548
Score: 15.5254
Type of gen. func.: revogf

$$-5 x - 1/2 + \frac{(100 x^2 + 24 x + 1)^{1/2}}{2}$$

Sequence: A170548
Score: 30.1883
Type of gen. func.: lgdogf

$$-\frac{11}{(x + 1) (10 x - 1)}$$

Sequence: A170548
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 11\}$$

Sequence: A170549
Score: 12.0642
Type of gen. func.: ogf

$$-11 f(x) x + f(x) - x - 1$$

Sequence: A170549
Score: 14.2997
Type of gen. func.: revogf

$$- 1/2 - \frac{11 x}{} + \frac{(121 x^2 + 26 x + 1)^{1/2}}{}$$

2 2

Sequence: A170549
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x + 1}{11 x - 1}$$

Sequence: A170549
Score: 30.1883
Type of gen. func.: lgdogf

$$-\frac{12}{(x + 1) (11 x - 1)}$$

Sequence: A170549
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1), a(0) = 1, a(1) = 12\}$$

Sequence: A170550
Score: 10.9017
Type of gen. func.: ogf

$$-12 f(x) x + f(x) - x - 1$$

Sequence: A170550
Score: 13.1968
Type of gen. func.: ogf

$$-\frac{x + 1}{12 x - 1}$$

Sequence: A170550
Score: 14.0042
Type of gen. func.: revogf

$$-1/2 - 6\,x + \frac{(144\,x^2 + 28\,x + 1)^{1/2}}{2}$$

Sequence: A170550
Score: 27.2303
Type of gen. func.: lgdogf

$$-\frac{13}{(x + 1)\,(12\,x - 1)}$$

Sequence: A170550
Score: 6.77673
Type of gen. func.: ogf

$$\{a(n + 2) - 12\,a(n + 1),\ a(0) = 1,\ a(1) = 13\}$$

Sequence: A170551
Score: 11.1481
Type of gen. func.: ogf

$$-13\,f(x)\,x + f(x) - x - 1$$

Sequence: A170551
Score: 13.1968
Type of gen. func.: revogf

$$-1/2 - \frac{13\,x}{2} + \frac{(169\,x^2 + 30\,x + 1)^{1/2}}{2}$$

Sequence: A170551
Score: 13.4950
Type of gen. func.: ogf

$$-\frac{x + 1}{13\,x - 1}$$

Sequence: A170551
Score: 27.8599
Type of gen. func.: lgdogf

$$-\frac{14}{(x+1)(13x-1)}$$

Sequence: A170551
Score: 6.92988
Type of gen. func.: ogf

$$\{a(n+2) - 13\, a(n+1),\ a(0) = 1,\ a(1) = 14\}$$

Sequence: A170552
Score: 11.456
Type of gen. func.: ogf

$$-14 f(x)\, x + f(x) - x - 1$$

Sequence: A170552
Score: 13.8678
Type of gen. func.: ogf

$$-\frac{x+1}{14x-1}$$

Sequence: A170552
Score: 14.7327
Type of gen. func.: revogf

$$-1/2 - 7x + \frac{(196x^2 + 32x + 1)^{1/2}}{2}$$

Sequence: A170552
Score: 28.6469
Type of gen. func.: lgdogf

$$-\frac{15}{(x+1)(14x-1)}$$

Sequence: A170552
Score: 7.12131
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1), a(0) = 1, a(1) = 15\}$$

Sequence: A170553
Score: 11.6408
Type of gen. func.: ogf

$$-15 f(x) x + f(x) - x - 1$$

Sequence: A170553
Score: 13.1036
Type of gen. func.: revogf

$$- 1/2 - \frac{15 x}{2} + \frac{((1 + 9 x) (1 + 25 x))^{1/2}}{2}$$

Sequence: A170553
Score: 14.0915
Type of gen. func.: ogf

$$- \frac{x + 1}{15 x - 1}$$

Sequence: A170553
Score: 29.1191
Type of gen. func.: lgdogf

$$- \frac{16}{(x + 1) (15 x - 1)}$$

Sequence: A170553
Score: 7.23618
Type of gen. func.: ogf

{a(n + 2) - 15 a(n + 1), a(0) = 1, a(1) = 16}

Sequence: A170554
Score: 11.9488
Type of gen. func.: ogf

$$-16 f(x) x + f(x) - x - 1$$

Sequence: A170554
Score: 14.4643
Type of gen. func.: ogf

$$-\frac{x + 1}{16 x - 1}$$

Sequence: A170554
Score: 15.3803
Type of gen. func.: revogf

$$- 1/2 - 8 x + \frac{(256 x^2 + 36 x + 1)^{1/2}}{2}$$

Sequence: A170554
Score: 29.9061
Type of gen. func.: lgdogf

$$-\frac{17}{(x + 1) (16 x - 1)}$$

Sequence: A170554
Score: 7.42761
Type of gen. func.: ogf

{a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 17}

Sequence: A170555
Score: 12.1335

Type of gen. func.: ogf

$$-17 f(x) x + f(x) - x - 1$$

Sequence: A170555
Score: 14.3897
Type of gen. func.: revogf

$$- 1/2 - \frac{17 x}{2} + \frac{(289 x^2 + 38 x + 1)^{1/2}}{2}$$

Sequence: A170555
Score: 14.6879
Type of gen. func.: ogf

$$- \frac{x + 1}{17 x - 1}$$

Sequence: A170555
Score: 30.3783
Type of gen. func.: lgdogf

$$- \frac{18}{(x + 1) (17 x - 1)}$$

Sequence: A170555
Score: 7.54246
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1), a(0) = 1, a(1) = 18\}$$

Sequence: A170556
Score: 10.789
Type of gen. func.: ogf

$$-18 f(x) x + f(x) - x - 1$$

Sequence: A170556
Score: 13.0604
Type of gen. func.: ogf

$$-\frac{x+1}{18x-1}$$

Sequence: A170556
Score: 13.8630
Type of gen. func.: revogf

$$-1/2-9x+\frac{(324x^2+40x+1)^{1/2}}{2}$$

Sequence: A170556
Score: 26.9557
Type of gen. func.: lgdogf

$$-\frac{19}{(x+1)(18x-1)}$$

Sequence: A170556
Score: 6.70668
Type of gen. func.: ogf

$$\{a(n+2)-18a(n+1), a(0)=1, a(1)=19\}$$

Sequence: A170557
Score: 10.9095
Type of gen. func.: ogf

$$-19f(x)x+f(x)-x-1$$

Sequence: A170557
Score: 12.9144
Type of gen. func.: revogf

$$-1/2-\frac{19x}{2}+\frac{(361x^2+42x+1)^{1/2}}{2}$$

Sequence: A170557
Score: 13.2063
Type of gen. func.: ogf

$$-\frac{x + 1}{19 x - 1}$$

Sequence: A170557
Score: 27.2638
Type of gen. func.: lgdogf

$$-\frac{20}{(x + 1) (19 x - 1)}$$

Sequence: A170557
Score: 6.78161
Type of gen. func.: ogf

$$\{a(n + 2) - 19 a(n + 1), a(0) = 1, a(1) = 20\}$$

Sequence: A170558
Score: 11.0904
Type of gen. func.: ogf

$$-20 f(x) x + f(x) - x - 1$$

Sequence: A170558
Score: 13.4252
Type of gen. func.: ogf

$$-\frac{x + 1}{20 x - 1}$$

Sequence: A170558
Score: 13.8630
Type of gen. func.: revogf

$$- 1/2 - 10 x + \frac{(400 x^2 + 44 x + 1)^{1/2}}{2}$$

Sequence: A170558
Score: 26.2666
Type of gen. func.: lgdogf

$$- \frac{21}{(x + 1) (20 x - 1)}$$

Sequence: A170558
Score: 6.89401
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1), a(0) = 1, a(1) = 21\}$$

Sequence: A170559
Score: 11.1506
Type of gen. func.: ogf

$$-21 f(x) x + f(x) - x - 1$$

Sequence: A170559
Score: 13.2063
Type of gen. func.: revogf

$$- 1/2 - \frac{21 x}{2} + \frac{(441 x^2 + 46 x + 1)^{1/2}}{2}$$

Sequence: A170559
Score: 13.4981
Type of gen. func.: ogf

$$- \frac{x + 1}{21 x - 1}$$

Sequence: A170559
Score: 27.8799
Type of gen. func.: lgdogf

$$-\frac{22}{(x+1)(21x-1)}$$

Sequence: A170559
Score: 6.93147
Type of gen. func.: ogf

$$\{a(n+2) - 21\,a(n+1),\ a(0) = 1,\ a(1) = 22\}$$

Sequence: A170560
Score: 11.452
Type of gen. func.: ogf

$$-22\,f(x)\,x + f(x) - x - 1$$

Sequence: A170560
Score: 13.8629
Type of gen. func.: ogf

$$-\frac{x+1}{22x-1}$$

Sequence: A170560
Score: 14.3250
Type of gen. func.: revogf

$$-1/2 - 11x + \frac{(484x^2 + 48x + 1)^{1/2}}{2}$$

Sequence: A170560
Score: 28.6501
Type of gen. func.: lgdogf

$$-\frac{23}{(x+1)(22x-1)}$$

Sequence: A170560
Score: 7.11881
Type of gen. func.: ogf

$$\{a(n + 2) - 22 a(n + 1), a(0) = 1, a(1) = 23\}$$

Sequence: A170561
Score: 11.5123
Type of gen. func.: ogf

$$-23 f(x) x + f(x) - x - 1$$

Sequence: A170561
Score: 13.6441
Type of gen. func.: revogf

$$-\frac{23 x}{2} - 1/2 + \frac{(529 x^2 + 50 x + 1)^{1/2}}{2}$$

Sequence: A170561
Score: 13.9359
Type of gen. func.: ogf

$$-\frac{x + 1}{23 x - 1}$$

Sequence: A170561
Score: 28.8041
Type of gen. func.: lgdogf

$$-\frac{24}{(x + 1) (23 x - 1)}$$

Sequence: A170561
Score: 7.15628
Type of gen. func.: ogf

{a(n + 2) - 23 a(n + 1), a(0) = 1, a(1) = 24}

Sequence: A170562
Score: 11.6328
Type of gen. func.: ogf

$$-24 f(x) x + f(x) - x - 1$$

Sequence: A170562
Score: 13.4364
Type of gen. func.: revogf

$$-12 x - 1/2 + \frac{((1 + 16 x) (1 + 36 x))^{1/2}}{2}$$

Sequence: A170562
Score: 14.0818
Type of gen. func.: ogf

$$- \frac{x + 1}{24 x - 1}$$

Sequence: A170562
Score: 29.1122
Type of gen. func.: lgdogf

$$- \frac{25}{(x + 1) (24 x - 1)}$$

Sequence: A170562
Score: 7.23122
Type of gen. func.: ogf

{a(n + 2) - 24 a(n + 1), a(0) = 1, a(1) = 25}

Sequence: A170563
Score: 11.7534
Type of gen. func.: ogf

$$-25 f(x) x + f(x) - x - 1$$

Sequence: A170563
Score: 13.9359
Type of gen. func.: revogf

$$- 1/2 - \frac{25 x}{2} + \frac{(625 x^2 + 54 x + 1)^{1/2}}{2}$$

Sequence: A170563
Score: 14.2278
Type of gen. func.: ogf

$$- \frac{x + 1}{25 x - 1}$$

Sequence: A170563
Score: 29.4203
Type of gen. func.: lgdogf

$$- \frac{26}{(x + 1) (25 x - 1)}$$

Sequence: A170563
Score: 7.30615
Type of gen. func.: ogf

$$\{a(n + 2) - 25 a(n + 1), a(0) = 1, a(1) = 26\}$$

Sequence: A170564
Score: 11.8739
Type of gen. func.: ogf

$$-26 f(x) x + f(x) - x - 1$$

Sequence: A170564

Score: 14.3737
Type of gen. func.: ogf

$$-\frac{x+1}{26x-1}$$

Sequence: A170564
Score: 14.8642
Type of gen. func.: revogf

$$-13x-1/2+\frac{(676x^2+56x+1)^{1/2}}{2}$$

Sequence: A170564
Score: 29.7283
Type of gen. func.: lgdogf

$$-\frac{27}{(x+1)(26x-1)}$$

Sequence: A170564
Score: 7.38108
Type of gen. func.: ogf

$$\{a(n+2)-26a(n+1), a(0)=1, a(1)=27\}$$

Sequence: A170565
Score: 12.0547
Type of gen. func.: ogf

$$-27f(x)x+f(x)-x-1$$

Sequence: A170565
Score: 14.3007
Type of gen. func.: revogf

$$-\frac{27x}{2}-1/2+\frac{(729x^2+58x+1)^{1/2}}{2}$$

Sequence: A170565
Score: 14.5926
Type of gen. func.: ogf

$$-\frac{x + 1}{27 x - 1}$$

Sequence: A170565
Score: 30.1904
Type of gen. func.: lgdogf

$$-\frac{28}{(x + 1) (27 x - 1)}$$

Sequence: A170565
Score: 7.49349
Type of gen. func.: ogf

$$\{a(n + 2) - 27 a(n + 1), a(0) = 1, a(1) = 28\}$$

Sequence: A170566
Score: 12.115
Type of gen. func.: ogf

$$-28 f(x) x + f(x) - x - 1$$

Sequence: A170566
Score: 14.6656
Type of gen. func.: ogf

$$-\frac{x + 1}{28 x - 1}$$

Sequence: A170566
Score: 15.1722
Type of gen. func.: revogf

$$2 \qquad\qquad 1/2$$

$$-14 x - 1/2 + \frac{(784 x + 60 x + 1)}{2}$$

Sequence: A170566
Score: 30.3445
Type of gen. func.: lgdogf

$$- \frac{29}{(x + 1) (28 x - 1)}$$

Sequence: A170566
Score: 7.53096
Type of gen. func.: ogf

$$\{a(n + 2) - 28 a(n + 1), a(0) = 1, a(1) = 29\}$$

Sequence: A170567
Score: 12.2356
Type of gen. func.: ogf

$$-29 f(x) x + f(x) - x - 1$$

Sequence: A170567
Score: 14.5196
Type of gen. func.: revogf

$$- \frac{29 x}{2} - 1/2 + \frac{(841 x^2 + 62 x + 1)^{1/2}}{2}$$

Sequence: A170567
Score: 14.8115
Type of gen. func.: ogf

$$- \frac{x + 1}{29 x - 1}$$

Sequence: A170567

Score: 30.6525
Type of gen. func.: lgdogf

$$-\frac{30}{(x + 1) (29 x - 1)}$$

Sequence: A170567
Score: 7.60589
Type of gen. func.: ogf

$$\{a(n + 2) - 29 a(n + 1), a(0) = 1, a(1) = 30\}$$

Sequence: A170568
Score: 12.2958
Type of gen. func.: ogf

$$-30 f(x) x + f(x) - x - 1$$

Sequence: A170568
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{30 x - 1}$$

Sequence: A170568
Score: 15.4033
Type of gen. func.: revogf

$$-15 x - 1/2 + \frac{(900 x^2 + 64 x + 1)^{1/2}}{2}$$

Sequence: A170568
Score: 30.8066
Type of gen. func.: lgdogf

$$-\frac{31}{(x + 1) (30 x - 1)}$$

Sequence: A170568
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n+2) - 30\,a(n+1),\ a(0) = 1,\ a(1) = 31\}$$

Sequence: A170569
Score: 12.2958
Type of gen. func.: ogf

$$-31\,f(x)\,x + f(x) - x - 1$$

Sequence: A170569
Score: 14.5926
Type of gen. func.: revogf

$$-\frac{31\,x}{2} - 1/2 + \frac{(961\,x^2 + 66\,x + 1)^{1/2}}{2}$$

Sequence: A170569
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{31\,x - 1}$$

Sequence: A170569
Score: 30.8066
Type of gen. func.: lgdogf

$$-\frac{32}{(x + 1)\,(31\,x - 1)}$$

Sequence: A170569
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n+2) - 31\,a(n+1),\ a(0) = 1,\ a(1) = 32\}$$

Sequence: A170570
Score: 12.7177
Type of gen. func.: ogf

$$-32 f(x) x + f(x) - x - 1$$

Sequence: A170570
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{32 x - 1}$$

Sequence: A170570
Score: 15.5115
Type of gen. func.: revogf

$$- 1/2 - 16 x + \frac{(1024 x^2 + 68 x + 1)^{1/2}}{2}$$

Sequence: A170570
Score: 31.8848
Type of gen. func.: lgdogf

$$-\frac{33}{(x + 1) (32 x - 1)}$$

Sequence: A170570
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 32 a(n + 1), a(0) = 1, a(1) = 33\}$$

Sequence: A170571
Score: 12.7177
Type of gen. func.: ogf

$$-33 f(x) x + f(x) - x - 1$$

Sequence: A170571
Score: 14.7161
Type of gen. func.: revogf

$$- 1/2 - \frac{33 x}{2} + \frac{(1089 x^2 + 70 x + 1)^{1/2}}{2}$$

Sequence: A170571
Score: 15.3952
Type of gen. func.: ogf

$$- \frac{x + 1}{33 x - 1}$$

Sequence: A170571
Score: 31.8848
Type of gen. func.: lgdogf

$$- \frac{34}{(x + 1) (33 x - 1)}$$

Sequence: A170571
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 33 a(n + 1), a(0) = 1, a(1) = 34\}$$

Sequence: A170572
Score: 12.7177
Type of gen. func.: ogf

$$-34 f(x) x + f(x) - x - 1$$

Sequence: A170572
Score: 15.3952

Type of gen. func.: ogf

$$-\frac{x + 1}{34 x - 1}$$

Sequence: A170572
Score: 15.5115
Type of gen. func.: revogf

$$- 1/2 - 17 x + \frac{(1156 x^2 + 72 x + 1)^{1/2}}{2}$$

Sequence: A170572
Score: 31.8848
Type of gen. func.: lgdogf

$$-\frac{35}{(x + 1) (34 x - 1)}$$

Sequence: A170572
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 34 a(n + 1), a(0) = 1, a(1) = 35\}$$

Sequence: A170573
Score: 12.8383
Type of gen. func.: ogf

$$-35 f(x) x + f(x) - x - 1$$

Sequence: A170573
Score: 14.1334
Type of gen. func.: revogf

$$-\frac{35 x}{2} - 1/2 + \frac{((1 + 25 x) (1 + 49 x))^{1/2}}{2}$$

Sequence: A170573
Score: 15.5411
Type of gen. func.: ogf

$$-\frac{x + 1}{35 x - 1}$$

Sequence: A170573
Score: 32.1929
Type of gen. func.: lgdogf

$$-\frac{36}{(x + 1) (35 x - 1)}$$

Sequence: A170573
Score: 7.98057
Type of gen. func.: ogf

$$\{a(n + 2) - 35 a(n + 1), a(0) = 1, a(1) = 36\}$$

Sequence: A170574
Score: 11.1854
Type of gen. func.: ogf

$$-36 f(x) x + f(x) - x - 1$$

Sequence: A170574
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{36 x - 1}$$

Sequence: A170574
Score: 13.6134
Type of gen. func.: revogf

$$(1296 x^2 + 76 x + 1)^{1/2}$$

```
- 1/2 - 18 x + -----------------------
                          2
```

Sequence: A170574
Score: 27.9832
Type of gen. func.: lgdogf

$$-\frac{37}{(x + 1) (36 x - 1)}$$

Sequence: A170574
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 36 a(n + 1), a(0) = 1, a(1) = 37\}$$

Sequence: A170575
Score: 11.1854
Type of gen. func.: ogf

$$-37 f(x) x + f(x) - x - 1$$

Sequence: A170575
Score: 12.9153
Type of gen. func.: revogf

$$- 1/2 - \frac{37 x}{2} + \frac{(1369 x^2 + 78 x + 1)^{1/2}}{2}$$

Sequence: A170575
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{37 x - 1}$$

Sequence: A170575
Score: 27.9832

Type of gen. func.: lgdogf

$$-\frac{38}{(x+1)(37x-1)}$$

Sequence: A170575
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n+2) - 37 a(n+1), a(0) = 1, a(1) = 38\}$$

Sequence: A170576
Score: 11.3032
Type of gen. func.: ogf

$$-38 f(x) x + f(x) - x - 1$$

Sequence: A170576
Score: 13.6828
Type of gen. func.: ogf

$$-\frac{x+1}{38x-1}$$

Sequence: A170576
Score: 13.7598
Type of gen. func.: revogf

$$-1/2 - 19x + \frac{(1444x^2 + 80x + 1)^{1/2}}{2}$$

Sequence: A170576
Score: 28.2841
Type of gen. func.: lgdogf

$$-\frac{39}{(x+1)(38x-1)}$$

Sequence: A170576
Score: 7.02630
Type of gen. func.: ogf

$$\{a(n + 2) - 38 a(n + 1), a(0) = 1, a(1) = 39\}$$

Sequence: A170577
Score: 11.362
Type of gen. func.: ogf

$$-39 f(x) x + f(x) - x - 1$$

Sequence: A170577
Score: 13.1236
Type of gen. func.: revogf

$$-\frac{39 x}{2} - 1/2 + \frac{(1521 x^2 + 82 x + 1)^{1/2}}{2}$$

Sequence: A170577
Score: 13.7541
Type of gen. func.: ogf

$$-\frac{x + 1}{39 x - 1}$$

Sequence: A170577
Score: 28.4345
Type of gen. func.: lgdogf

$$-\frac{40}{(x + 1) (39 x - 1)}$$

Sequence: A170577
Score: 7.06289
Type of gen. func.: ogf

$$\{a(n + 2) - 39 a(n + 1), a(0) = 1, a(1) = 40\}$$

Sequence: A170578
Score: 11.4798
Type of gen. func.: ogf

$$-40 f(x) x + f(x) - x - 1$$

Sequence: A170578
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{40 x - 1}$$

Sequence: A170578
Score: 13.9794
Type of gen. func.: revogf

$$-20 x - 1/2 + \frac{(1600 x^2 + 84 x + 1)^{1/2}}{2}$$

Sequence: A170578
Score: 28.7354
Type of gen. func.: lgdogf

$$-\frac{41}{(x + 1) (40 x - 1)}$$

Sequence: A170578
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 40 a(n + 1), a(0) = 1, a(1) = 41\}$$

Sequence: A170579
Score: 11.4798
Type of gen. func.: ogf

$$-41 f(x) x + f(x) - x - 1$$

Sequence: A170579
Score: 13.2625
Type of gen. func.: revogf

$$- 1/2 - \frac{41 x}{2} + \frac{(1681 x^2 + 86 x + 1)^{1/2}}{2}$$

Sequence: A170579
Score: 13.8966
Type of gen. func.: ogf

$$- \frac{x + 1}{41 x - 1}$$

Sequence: A170579
Score: 28.7354
Type of gen. func.: lgdogf

$$- \frac{42}{(x + 1) (41 x - 1)}$$

Sequence: A170579
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 41 a(n + 1), a(0) = 1, a(1) = 42\}$$

Sequence: A170580
Score: 11.5386
Type of gen. func.: ogf

$$-42 f(x) x + f(x) - x - 1$$

Sequence: A170580
Score: 13.9678
Type of gen. func.: ogf

$$- \frac{x + 1}{42 x - 1}$$

Sequence: A170580
Score: 14.0526
Type of gen. func.: revogf

$$- 1/2 - 21 x + \frac{(1764 x^2 + 88 x + 1)^{1/2}}{2}$$

Sequence: A170580
Score: 28.8859
Type of gen. func.: lgdogf

$$- \frac{43}{(x + 1) (42 x - 1)}$$

Sequence: A170580
Score: 7.17268
Type of gen. func.: ogf

$$\{a(n + 2) - 42 a(n + 1), a(0) = 1, a(1) = 43\}$$

Sequence: A170581
Score: 11.5975
Type of gen. func.: ogf

$$-43 f(x) x + f(x) - x - 1$$

Sequence: A170581
Score: 13.4014
Type of gen. func.: revogf

$$- 1/2 - \frac{43 x}{2} + \frac{(1849 x^2 + 90 x + 1)^{1/2}}{2}$$

Sequence: A170581
Score: 14.0391
Type of gen. func.: ogf

$$-\frac{x + 1}{43 x - 1}$$

Sequence: A170581
Score: 29.0363
Type of gen. func.: lgdogf

$$-\frac{44}{(x + 1) (43 x - 1)}$$

Sequence: A170581
Score: 7.20927
Type of gen. func.: ogf

$$\{a(n + 2) - 43 a(n + 1), a(0) = 1, a(1) = 44\}$$

Sequence: A170582
Score: 11.7153
Type of gen. func.: ogf

$$-44 f(x) x + f(x) - x - 1$$

Sequence: A170582
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{44 x - 1}$$

Sequence: A170582
Score: 14.2722
Type of gen. func.: revogf

$$- 1/2 - 22 x + \frac{(1936 x^2 + 92 x + 1)^{1/2}}{}$$

Sequence: A170582
Score: 29.3372
Type of gen. func.: lgdogf

$$-\frac{45}{(x+1)(44x-1)}$$

Sequence: A170582
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n+2) - 44\, a(n+1),\ a(0) = 1,\ a(1) = 45\}$$

Sequence: A170583
Score: 11.7153
Type of gen. func.: ogf

$$-45 f(x) x + f(x) - x - 1$$

Sequence: A170583
Score: 13.5403
Type of gen. func.: revogf

$$-1/2 - \frac{45x}{2} + \frac{(2025x^2 + 94x + 1)^{1/2}}{2}$$

Sequence: A170583
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x+1}{45x-1}$$

Sequence: A170583
Score: 29.3372
Type of gen. func.: lgdogf

$$-\frac{46}{(x+1)(45x-1)}$$

Sequence: A170583
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n+2) - 45\,a(n+1),\ a(0) = 1,\ a(1) = 46\}$$

Sequence: A170584
Score: 11.7153
Type of gen. func.: ogf

$$-46\,f(x)\,x + f(x) - x - 1$$

Sequence: A170584
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x+1}{46x-1}$$

Sequence: A170584
Score: 14.2722
Type of gen. func.: revogf

$$-1/2 - 23x + \frac{(2116x^2 + 96x + 1)^{1/2}}{2}$$

Sequence: A170584
Score: 29.3372
Type of gen. func.: lgdogf

$$-\frac{47}{(x+1)(46x-1)}$$

Sequence: A170584
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 46 a(n + 1), a(0) = 1, a(1) = 47\}$$

Sequence: A170585
Score: 11.9507
Type of gen. func.: ogf

$$-47 f(x) x + f(x) - x - 1$$

Sequence: A170585
Score: 13.8180
Type of gen. func.: revogf

$$-\frac{47 x}{2} - 1/2 + \frac{(2209 x^2 + 98 x + 1)^{1/2}}{2}$$

Sequence: A170585
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{47 x - 1}$$

Sequence: A170585
Score: 29.9390
Type of gen. func.: lgdogf

$$-\frac{48}{(x + 1) (47 x - 1)}$$

Sequence: A170585
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 47 a(n + 1), a(0) = 1, a(1) = 48\}$$

Sequence: A170586
Score: 11.9507
Type of gen. func.: ogf

$$-48 f(x) x + f(x) - x - 1$$

Sequence: A170586
Score: 13.8180
Type of gen. func.: revogf

$$- 1/2 - 24 x + \frac{((1 + 36 x) (64 x + 1))^{1/2}}{2}$$

Sequence: A170586
Score: 14.4667
Type of gen. func.: ogf

$$- \frac{x + 1}{48 x - 1}$$

Sequence: A170586
Score: 29.9390
Type of gen. func.: lgdogf

$$- \frac{49}{(x + 1) (48 x - 1)}$$

Sequence: A170586
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 48 a(n + 1), a(0) = 1, a(1) = 49\}$$

Sequence: A170587
Score: 11.9507
Type of gen. func.: ogf

$$-49 f(x) x + f(x) - x - 1$$

Sequence: A170587
Score: 13.4725
Type of gen. func.: revogf

$$- 1/2 - \frac{49 x}{2} + \frac{(2401 x^2 + 102 x + 1)^{1/2}}{2}$$

Sequence: A170587
Score: 14.4667
Type of gen. func.: ogf

$$- \frac{x + 1}{49 x - 1}$$

Sequence: A170587
Score: 29.9390
Type of gen. func.: lgdogf

$$- \frac{50}{(x + 1) (49 x - 1)}$$

Sequence: A170587
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 49 a(n + 1), a(0) = 1, a(1) = 50\}$$

Sequence: A170588
Score: 15.8654
Type of gen. func.: ogf

$$-2 f(x) x + f(x) - x - 1$$

Sequence: A170588
Score: 19.2957
Type of gen. func.: ogf

$$-\frac{x+1}{2x-1}$$

Sequence: A170588
Score: 23.3360
Type of gen. func.: revogf

$$-x - 1/2 + \frac{(4x^2 + 8x + 1)^{1/2}}{2}$$

Sequence: A170588
Score: 43.7550
Type of gen. func.: lgdogf

$$-\frac{3}{(2x-1)(x+1)}$$

Sequence: A170588
Score: 9.91586
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 3\}$$

Sequence: A170589
Score: 14.5528
Type of gen. func.: ogf

$$-3 f(x) x + f(x) - x - 1$$

Sequence: A170589
Score: 17.6994
Type of gen. func.: ogf

$$-\frac{x+1}{3x-1}$$

Sequence: A170589
Score: 17.8290
Type of gen. func.: revogf

$$-\frac{3 x}{2} - 1/2 + \frac{((x + 1) (1 + 9 x))^{1/2}}{2}$$

Sequence: A170589
Score: 37.7556
Type of gen. func.: lgdogf

$$-\frac{4}{(3 x - 1) (x + 1)}$$

Sequence: A170589
Score: 9.09553
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 4\}$$

Sequence: A170590
Score: 14.619
Type of gen. func.: ogf

$$-4 f(x) x + f(x) - x - 1$$

Sequence: A170590
Score: 17.7799
Type of gen. func.: ogf

$$-\frac{x + 1}{4 x - 1}$$

Sequence: A170590
Score: 18.9748
Type of gen. func.: revogf

$$-2 x - 1/2 + \frac{(16 x^2 + 12 x + 1)^{1/2}}{2}$$

Sequence: A170590
Score: 40.3215
Type of gen. func.: lgdogf

$$-\frac{5}{(x + 1) (4 x - 1)}$$

Sequence: A170590
Score: 9.13689
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 5\}$$

Sequence: A170591
Score: 13.6693
Type of gen. func.: ogf

$$-5 f(x) x + f(x) - x - 1$$

Sequence: A170591
Score: 16.6248
Type of gen. func.: ogf

$$-\frac{x + 1}{5 x - 1}$$

Sequence: A170591
Score: 16.7431
Type of gen. func.: revogf

$$- 1/2 - \frac{5 x}{2} + \frac{(25 x^2 + 14 x + 1)^{1/2}}{2}$$

Sequence: A170591
Score: 37.6720
Type of gen. func.: lgdogf

$$-\frac{6}{(x + 1) (5 x - 1)}$$

Sequence: A170591
Score: 8.54329
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1), a(0) = 1, a(1) = 6\}$$

Sequence: A170592
Score: 13.4636
Type of gen. func.: ogf

$$-6 f(x) x + f(x) - x - 1$$

Sequence: A170592
Score: 16.3746
Type of gen. func.: ogf

$$-\frac{x + 1}{-1 + 6 x}$$

Sequence: A170592
Score: 17.4612
Type of gen. func.: revogf

$$-3 x - 1/2 + \frac{(36 x^2 + 16 x + 1)^{1/2}}{2}$$

Sequence: A170592
Score: 37.1051
Type of gen. func.: lgdogf

$$-\frac{7}{(x + 1) (-1 + 6 x)}$$

Sequence: A170592
Score: 8.41471
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 7\}$$

Sequence: A170593
Score: 12.9815
Type of gen. func.: ogf

$$-7 f(x) x + f(x) - x - 1$$

Sequence: A170593
Score: 15.7883
Type of gen. func.: ogf

$$- \frac{x + 1}{7 x - 1}$$

Sequence: A170593
Score: 15.8940
Type of gen. func.: revogf

$$- 1/2 - \frac{7 x}{2} + \frac{(49 x^2 + 18 x + 1)^{1/2}}{2}$$

Sequence: A170593
Score: 35.7615
Type of gen. func.: lgdogf

$$- \frac{8}{(x + 1) (7 x - 1)}$$

Sequence: A170593
Score: 8.11343
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1), a(0) = 1, a(1) = 8\}$$

Sequence: A170594
Score: 13.6472
Type of gen. func.: ogf

$$-8 f(x) x + f(x) - x - 1$$

Sequence: A170594
Score: 16.2741
Type of gen. func.: revogf

$$-4 x - 1/2 + \frac{((4 x + 1) (1 + 16 x))^{1/2}}{2}$$

Sequence: A170594
Score: 16.5980
Type of gen. func.: ogf

$$- \frac{x + 1}{8 x - 1}$$

Sequence: A170594
Score: 37.6339
Type of gen. func.: lgdogf

$$- \frac{9}{(x + 1) (8 x - 1)}$$

Sequence: A170594
Score: 8.52951
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 9\}$$

Sequence: A170595
Score: 12.7592
Type of gen. func.: ogf

$$-9 f(x) x + f(x) - x - 1$$

Sequence: A170595
Score: 15.5180
Type of gen. func.: ogf

$$-\frac{x + 1}{9 x - 1}$$

Sequence: A170595
Score: 15.6219
Type of gen. func.: revogf

$$- 1/2 - \frac{9 x}{2} + \frac{(81 x^{2} + 22 x + 1)^{1/2}}{2}$$

Sequence: A170595
Score: 33.0816
Type of gen. func.: lgdogf

$$-\frac{10}{(x + 1) (9 x - 1)}$$

Sequence: A170595
Score: 7.86529
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 10\}$$

Sequence: A170596
Score: 12.0642
Type of gen. func.: ogf

$$-10 f(x) x + f(x) - x - 1$$

Sequence: A170596
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x + 1}{10 x - 1}$$

Sequence: A170596
Score: 15.5254
Type of gen. func.: revogf

$$-5 x - 1/2 + \frac{(100 x^2 + 24 x + 1)^{1/2}}{2}$$

Sequence: A170596
Score: 30.1883
Type of gen. func.: lgdogf

$$-\frac{11}{(x + 1) (10 x - 1)}$$

Sequence: A170596
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 11\}$$

Sequence: A170597
Score: 12.0642
Type of gen. func.: ogf

$$-11 f(x) x + f(x) - x - 1$$

Sequence: A170597
Score: 14.2997
Type of gen. func.: revogf

$$- 1/2 - \frac{11 x}{2} + \frac{(121 x^2 + 26 x + 1)^{1/2}}{2}$$

Sequence: A170597
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x + 1}{11 x - 1}$$

Sequence: A170597
Score: 30.1883
Type of gen. func.: lgdogf

$$-\frac{12}{(x + 1) (11 x - 1)}$$

Sequence: A170597
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1), a(0) = 1, a(1) = 12\}$$

Sequence: A170598
Score: 10.9017
Type of gen. func.: ogf

$$-12 f(x) x + f(x) - x - 1$$

Sequence: A170598
Score: 13.1968
Type of gen. func.: ogf

$$-\frac{x + 1}{12 x - 1}$$

Sequence: A170598
Score: 14.0042
Type of gen. func.: revogf

$$- 1/2 - 6 x + \frac{(144 x^2 + 28 x + 1)^{1/2}}{2}$$

Sequence: A170598
Score: 27.2303
Type of gen. func.: lgdogf

$$-\frac{13}{(x+1)(12x-1)}$$

Sequence: A170598
Score: 6.77673
Type of gen. func.: ogf

$$\{a(n+2) - 12\, a(n+1),\ a(0) = 1,\ a(1) = 13\}$$

Sequence: A170599
Score: 11.1481
Type of gen. func.: ogf

$$-13 f(x) x + f(x) - x - 1$$

Sequence: A170599
Score: 13.1968
Type of gen. func.: revogf

$$-1/2 - \frac{13x}{2} + \frac{(169x^2 + 30x + 1)^{1/2}}{2}$$

Sequence: A170599
Score: 13.4950
Type of gen. func.: ogf

$$-\frac{x+1}{13x-1}$$

Sequence: A170599
Score: 27.8599
Type of gen. func.: lgdogf

$$-\frac{14}{(x+1)(13x-1)}$$

Sequence: A170599
Score: 6.92988
Type of gen. func.: ogf

$$\{a(n+2) - 13\,a(n+1),\ a(0) = 1,\ a(1) = 14\}$$

Sequence: A170600
Score: 11.456
Type of gen. func.: ogf

$$-14\,f(x)\,x + f(x) - x - 1$$

Sequence: A170600
Score: 13.8678
Type of gen. func.: ogf

$$-\frac{x+1}{14x-1}$$

Sequence: A170600
Score: 14.7327
Type of gen. func.: revogf

$$-1/2 - 7x + \frac{(196x^2 + 32x + 1)^{1/2}}{2}$$

Sequence: A170600
Score: 28.6469
Type of gen. func.: lgdogf

$$-\frac{15}{(x+1)(14x-1)}$$

Sequence: A170600

Score: 7.12131
Type of gen. func.: ogf

$$\{a(n+2) - 14\,a(n+1),\ a(0) = 1,\ a(1) = 15\}$$

Sequence: A170601
Score: 11.6408
Type of gen. func.: ogf

$$-15\,f(x)\,x + f(x) - x - 1$$

Sequence: A170601
Score: 13.1036
Type of gen. func.: revogf

$$-\frac{1}{2} - \frac{15\,x}{2} + \frac{((1 + 9\,x)\,(1 + 25\,x))^{1/2}}{2}$$

Sequence: A170601
Score: 14.0915
Type of gen. func.: ogf

$$-\frac{x + 1}{15\,x - 1}$$

Sequence: A170601
Score: 29.1191
Type of gen. func.: lgdogf

$$-\frac{16}{(x + 1)\,(15\,x - 1)}$$

Sequence: A170601
Score: 7.23618
Type of gen. func.: ogf

$$\{a(n+2) - 15\,a(n+1),\ a(0) = 1,\ a(1) = 16\}$$

Sequence: A170602
Score: 11.9488
Type of gen. func.: ogf

$$-16 f(x) x + f(x) - x - 1$$

Sequence: A170602
Score: 14.4643
Type of gen. func.: ogf

$$-\frac{x + 1}{16 x - 1}$$

Sequence: A170602
Score: 15.3803
Type of gen. func.: revogf

$$- 1/2 - 8 x + \frac{(256 x^2 + 36 x + 1)^{1/2}}{2}$$

Sequence: A170602
Score: 29.9061
Type of gen. func.: lgdogf

$$-\frac{17}{(x + 1) (16 x - 1)}$$

Sequence: A170602
Score: 7.42761
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 17\}$$

Sequence: A170603
Score: 12.1335
Type of gen. func.: ogf

$$-17 f(x) x + f(x) - x - 1$$

Sequence: A170603
Score: 14.3897
Type of gen. func.: revogf

$$- 1/2 - \frac{17 x}{2} + \frac{(289 x^2 + 38 x + 1)^{1/2}}{2}$$

Sequence: A170603
Score: 14.6879
Type of gen. func.: ogf

$$- \frac{x + 1}{17 x - 1}$$

Sequence: A170603
Score: 30.3783
Type of gen. func.: lgdogf

$$- \frac{18}{(x + 1) (17 x - 1)}$$

Sequence: A170603
Score: 7.54246
Type of gen. func.: ogf

{a(n + 2) - 17 a(n + 1), a(0) = 1, a(1) = 18}

Sequence: A170604
Score: 10.789
Type of gen. func.: ogf

-18 f(x) x + f(x) - x - 1

Sequence: A170604
Score: 13.0604
Type of gen. func.: ogf

x + 1

```
                                       - --------
                                         18 x - 1



---------------------------------------------------------------------------------

Sequence:  A170604
Score: 13.8630
Type of gen. func.: revogf


                                                 2             1/2
                                          (324 x  + 40 x + 1)
                        - 1/2 - 9 x + ----------------------
                                                   2



---------------------------------------------------------------------------------

Sequence:  A170604
Score: 26.9557
Type of gen. func.: lgdogf


                                              19
                                  - ------------------
                                    (x + 1) (18 x - 1)



---------------------------------------------------------------------------------

Sequence:  A170604
Score: 6.70668
Type of gen. func.: ogf


                  {a(n + 2) - 18 a(n + 1), a(0) = 1, a(1) = 19}



---------------------------------------------------------------------------------

Sequence:  A170605
Score: 10.9095
Type of gen. func.: ogf


                              -19 f(x) x + f(x) - x - 1



---------------------------------------------------------------------------------

Sequence:  A170605
Score: 12.9144
Type of gen. func.: revogf


                                                 2             1/2
                                 19 x    (361 x  + 42 x + 1)
                       - 1/2 - ---- + ----------------------
                                  2                2



---------------------------------------------------------------------------------

Sequence:  A170605
```

Score: 13.2063
Type of gen. func.: ogf

$$-\frac{x+1}{19x-1}$$

Sequence: A170605
Score: 27.2638
Type of gen. func.: lgdogf

$$-\frac{20}{(x+1)(19x-1)}$$

Sequence: A170605
Score: 6.78161
Type of gen. func.: ogf

$$\{a(n+2) - 19 a(n+1), a(0) = 1, a(1) = 20\}$$

Sequence: A170606
Score: 11.0904
Type of gen. func.: ogf

$$-20 f(x) x + f(x) - x - 1$$

Sequence: A170606
Score: 13.4252
Type of gen. func.: ogf

$$-\frac{x+1}{20x-1}$$

Sequence: A170606
Score: 13.8630
Type of gen. func.: revogf

$$-1/2 - 10x + \frac{(400x^2 + 44x + 1)^{1/2}}{2}$$

Sequence: A170606
Score: 26.2666
Type of gen. func.: lgdogf

$$-\frac{21}{(x+1)(20x-1)}$$

Sequence: A170606
Score: 6.89401
Type of gen. func.: ogf

$$\{a(n+2) - 20\, a(n+1),\ a(0) = 1,\ a(1) = 21\}$$

Sequence: A170607
Score: 11.1506
Type of gen. func.: ogf

$$-21\, f(x)\, x + f(x) - x - 1$$

Sequence: A170607
Score: 13.2063
Type of gen. func.: revogf

$$-1/2 - \frac{21x}{2} + \frac{(441x^2 + 46x + 1)^{1/2}}{2}$$

Sequence: A170607
Score: 13.4981
Type of gen. func.: ogf

$$-\frac{x+1}{21x-1}$$

Sequence: A170607
Score: 27.8799
Type of gen. func.: lgdogf

22

```
                    - ------------------
                      (x + 1) (21 x - 1)
```

Sequence: A170607
Score: 6.93147
Type of gen. func.: ogf

```
{a(n + 2) - 21 a(n + 1), a(0) = 1, a(1) = 22}
```

Sequence: A170608
Score: 11.452
Type of gen. func.: ogf

```
-22 f(x) x + f(x) - x - 1
```

Sequence: A170608
Score: 13.8629
Type of gen. func.: ogf

```
      x + 1
  - --------
    22 x - 1
```

Sequence: A170608
Score: 14.3250
Type of gen. func.: revogf

```
                            2             1/2
                      (484 x  + 48 x + 1)
  - 1/2 - 11 x + ----------------------
                            2
```

Sequence: A170608
Score: 28.6501
Type of gen. func.: lgdogf

```
                23
    - ------------------
      (x + 1) (22 x - 1)
```

Sequence: A170608
Score: 7.11881

Type of gen. func.: ogf

$$\{a(n + 2) - 22 a(n + 1), a(0) = 1, a(1) = 23\}$$

Sequence: A170609
Score: 11.5123
Type of gen. func.: ogf

$$-23 f(x) x + f(x) - x - 1$$

Sequence: A170609
Score: 13.6441
Type of gen. func.: revogf

$$- \frac{23 x}{2} - 1/2 + \frac{(529 x^2 + 50 x + 1)^{1/2}}{2}$$

Sequence: A170609
Score: 13.9359
Type of gen. func.: ogf

$$- \frac{x + 1}{23 x - 1}$$

Sequence: A170609
Score: 28.8041
Type of gen. func.: lgdogf

$$- \frac{24}{(x + 1) (23 x - 1)}$$

Sequence: A170609
Score: 7.15628
Type of gen. func.: ogf

$$\{a(n + 2) - 23 a(n + 1), a(0) = 1, a(1) = 24\}$$

Sequence: A170610
Score: 11.6328
Type of gen. func.: ogf

$$-24 f(x) x + f(x) - x - 1$$

Sequence: A170610
Score: 13.4364
Type of gen. func.: revogf

$$-12 x - 1/2 + \frac{((1 + 16 x) (1 + 36 x))^{1/2}}{2}$$

Sequence: A170610
Score: 14.0818
Type of gen. func.: ogf

$$- \frac{x + 1}{24 x - 1}$$

Sequence: A170610
Score: 29.1122
Type of gen. func.: lgdogf

$$- \frac{25}{(x + 1) (24 x - 1)}$$

Sequence: A170610
Score: 7.23122
Type of gen. func.: ogf

$$\{a(n + 2) - 24 a(n + 1), a(0) = 1, a(1) = 25\}$$

Sequence: A170611
Score: 11.7534
Type of gen. func.: ogf

$$-25 f(x) x + f(x) - x - 1$$

Sequence: A170611
Score: 13.9359
Type of gen. func.: revogf

$$-1/2 - \frac{25 x}{2} + \frac{(625 x^2 + 54 x + 1)^{1/2}}{2}$$

Sequence: A170611
Score: 14.2278
Type of gen. func.: ogf

$$-\frac{x + 1}{25 x - 1}$$

Sequence: A170611
Score: 29.4203
Type of gen. func.: lgdogf

$$-\frac{26}{(x + 1) (25 x - 1)}$$

Sequence: A170611
Score: 7.30615
Type of gen. func.: ogf

$$\{a(n + 2) - 25 a(n + 1), a(0) = 1, a(1) = 26\}$$

Sequence: A170612
Score: 11.8739
Type of gen. func.: ogf

$$-26 f(x) x + f(x) - x - 1$$

Sequence: A170612
Score: 14.3737
Type of gen. func.: ogf

$$-\frac{x + 1}{}$$

$$26 x - 1$$

Sequence: A170612
Score: 14.8642
Type of gen. func.: revogf

$$-13 x - 1/2 + \frac{(676 x^2 + 56 x + 1)^{1/2}}{2}$$

Sequence: A170612
Score: 29.7283
Type of gen. func.: lgdogf

$$- \frac{27}{(x + 1) (26 x - 1)}$$

Sequence: A170612
Score: 7.38108
Type of gen. func.: ogf

$$\{a(n + 2) - 26 a(n + 1), a(0) = 1, a(1) = 27\}$$

Sequence: A170613
Score: 12.0547
Type of gen. func.: ogf

$$-27 f(x) x + f(x) - x - 1$$

Sequence: A170613
Score: 14.3007
Type of gen. func.: revogf

$$- \frac{27 x}{2} - 1/2 + \frac{(729 x^2 + 58 x + 1)^{1/2}}{2}$$

Sequence: A170613
Score: 14.5926

Type of gen. func.: ogf

$$-\frac{x + 1}{27 x - 1}$$

Sequence: A170613
Score: 30.1904
Type of gen. func.: lgdogf

$$-\frac{28}{(x + 1) (27 x - 1)}$$

Sequence: A170613
Score: 7.49349
Type of gen. func.: ogf

$$\{a(n + 2) - 27 a(n + 1), a(0) = 1, a(1) = 28\}$$

Sequence: A170614
Score: 12.115
Type of gen. func.: ogf

$$-28 f(x) x + f(x) - x - 1$$

Sequence: A170614
Score: 14.6656
Type of gen. func.: ogf

$$-\frac{x + 1}{28 x - 1}$$

Sequence: A170614
Score: 15.1722
Type of gen. func.: revogf

$$-14 x - 1/2 + \frac{(784 x^2 + 60 x + 1)^{1/2}}{2}$$

Sequence: A170614
Score: 30.3445
Type of gen. func.: lgdogf

$$-\frac{29}{(x+1)(28x-1)}$$

Sequence: A170614
Score: 7.53096
Type of gen. func.: ogf

$$\{a(n+2) - 28\,a(n+1),\ a(0) = 1,\ a(1) = 29\}$$

Sequence: A170615
Score: 12.2356
Type of gen. func.: ogf

$$-29\,f(x)\,x + f(x) - x - 1$$

Sequence: A170615
Score: 14.5196
Type of gen. func.: revogf

$$-\frac{29x}{2} - 1/2 + \frac{(841x^2 + 62x + 1)^{1/2}}{2}$$

Sequence: A170615
Score: 14.8115
Type of gen. func.: ogf

$$-\frac{x+1}{29x-1}$$

Sequence: A170615
Score: 30.6525
Type of gen. func.: lgdogf

$$-\frac{30}{}$$

$$(x + 1) (29 x - 1)$$

Sequence: A170615
Score: 7.60589
Type of gen. func.: ogf

$$\{a(n + 2) - 29 a(n + 1), a(0) = 1, a(1) = 30\}$$

Sequence: A170616
Score: 12.2958
Type of gen. func.: ogf

$$-30 f(x) x + f(x) - x - 1$$

Sequence: A170616
Score: 14.8844
Type of gen. func.: ogf

$$- \frac{x + 1}{30 x - 1}$$

Sequence: A170616
Score: 15.4033
Type of gen. func.: revogf

$$-15 x - 1/2 + \frac{(900 x^2 + 64 x + 1)^{1/2}}{2}$$

Sequence: A170616
Score: 30.8066
Type of gen. func.: lgdogf

$$- \frac{31}{(x + 1) (30 x - 1)}$$

Sequence: A170616
Score: 7.64335
Type of gen. func.: ogf

{a(n + 2) - 30 a(n + 1), a(0) = 1, a(1) = 31}

Sequence: A170617
Score: 12.2958
Type of gen. func.: ogf

$$-31 f(x) x + f(x) - x - 1$$

Sequence: A170617
Score: 14.5926
Type of gen. func.: revogf

$$-\frac{31 x}{2} - 1/2 + \frac{(961 x^2 + 66 x + 1)^{1/2}}{2}$$

Sequence: A170617
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{31 x - 1}$$

Sequence: A170617
Score: 30.8066
Type of gen. func.: lgdogf

$$-\frac{32}{(x + 1) (31 x - 1)}$$

Sequence: A170617
Score: 7.64335
Type of gen. func.: ogf

{a(n + 2) - 31 a(n + 1), a(0) = 1, a(1) = 32}

Sequence: A170618

Score: 12.7177
Type of gen. func.: ogf

$$-32 f(x) x + f(x) - x - 1$$

Sequence: A170618
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{32 x - 1}$$

Sequence: A170618
Score: 15.5115
Type of gen. func.: revogf

$$- 1/2 - 16 x + \frac{(1024 x^2 + 68 x + 1)^{1/2}}{2}$$

Sequence: A170618
Score: 31.8848
Type of gen. func.: lgdogf

$$-\frac{33}{(x + 1) (32 x - 1)}$$

Sequence: A170618
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 32 a(n + 1), a(0) = 1, a(1) = 33\}$$

Sequence: A170619
Score: 12.7177
Type of gen. func.: ogf

$$-33 f(x) x + f(x) - x - 1$$

Sequence: A170619
Score: 14.7161
Type of gen. func.: revogf

$$- 1/2 - \frac{33 x}{2} + \frac{(1089 x^2 + 70 x + 1)^{1/2}}{2}$$

Sequence: A170619
Score: 15.3952
Type of gen. func.: ogf

$$- \frac{x + 1}{33 x - 1}$$

Sequence: A170619
Score: 31.8848
Type of gen. func.: lgdogf

$$- \frac{34}{(x + 1) (33 x - 1)}$$

Sequence: A170619
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 33 a(n + 1), a(0) = 1, a(1) = 34\}$$

Sequence: A170620
Score: 12.7177
Type of gen. func.: ogf

$$-34 f(x) x + f(x) - x - 1$$

Sequence: A170620
Score: 15.3952
Type of gen. func.: ogf

$$- \frac{x + 1}{34 x - 1}$$

Sequence: A170620
Score: 15.5115
Type of gen. func.: revogf

$$- 1/2 - 17 x + \frac{(1156 x^2 + 72 x + 1)^{1/2}}{2}$$

Sequence: A170620
Score: 31.8848
Type of gen. func.: lgdogf

$$- \frac{35}{(x + 1) (34 x - 1)}$$

Sequence: A170620
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 34 a(n + 1), a(0) = 1, a(1) = 35\}$$

Sequence: A170621
Score: 12.8383
Type of gen. func.: ogf

$$-35 f(x) x + f(x) - x - 1$$

Sequence: A170621
Score: 14.1334
Type of gen. func.: revogf

$$- \frac{35 x}{2} - 1/2 + \frac{((1 + 25 x) (1 + 49 x))^{1/2}}{2}$$

Sequence: A170621
Score: 15.5411
Type of gen. func.: ogf

$$-\frac{x + 1}{35 x - 1}$$

Sequence: A170621
Score: 32.1929
Type of gen. func.: lgdogf

$$-\frac{36}{(x + 1) (35 x - 1)}$$

Sequence: A170621
Score: 7.98057
Type of gen. func.: ogf

$$\{a(n + 2) - 35 a(n + 1), a(0) = 1, a(1) = 36\}$$

Sequence: A170622
Score: 11.1854
Type of gen. func.: ogf

$$-36 f(x) x + f(x) - x - 1$$

Sequence: A170622
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{36 x - 1}$$

Sequence: A170622
Score: 13.6134
Type of gen. func.: revogf

$$- 1/2 - 18 x + \frac{(1296 x^2 + 76 x + 1)^{1/2}}{2}$$

Sequence: A170622
Score: 27.9832
Type of gen. func.: lgdogf

$$-\frac{37}{(x+1)(36x-1)}$$

Sequence: A170622
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n+2) - 36\,a(n+1),\ a(0) = 1,\ a(1) = 37\}$$

Sequence: A170623
Score: 11.1854
Type of gen. func.: ogf

$$-37\,f(x)\,x + f(x) - x - 1$$

Sequence: A170623
Score: 12.9153
Type of gen. func.: revogf

$$-1/2 - \frac{37\,x}{2} + \frac{(1369\,x^2 + 78\,x + 1)^{1/2}}{2}$$

Sequence: A170623
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x+1}{37x-1}$$

Sequence: A170623
Score: 27.9832
Type of gen. func.: lgdogf

$$-\frac{38}{(x+1)(37x-1)}$$

Sequence: A170623
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 37 a(n + 1), a(0) = 1, a(1) = 38\}$$

Sequence: A170624
Score: 11.3032
Type of gen. func.: ogf

$$-38 f(x) x + f(x) - x - 1$$

Sequence: A170624
Score: 13.6828
Type of gen. func.: ogf

$$-\frac{x + 1}{38 x - 1}$$

Sequence: A170624
Score: 13.7598
Type of gen. func.: revogf

$$-1/2 - 19 x + \frac{(1444 x^2 + 80 x + 1)^{1/2}}{2}$$

Sequence: A170624
Score: 28.2841
Type of gen. func.: lgdogf

$$-\frac{39}{(x + 1) (38 x - 1)}$$

Sequence: A170624
Score: 7.02630
Type of gen. func.: ogf

$$\{a(n + 2) - 38 a(n + 1), a(0) = 1, a(1) = 39\}$$

Sequence: A170625
Score: 11.362
Type of gen. func.: ogf

$$-39 f(x) x + f(x) - x - 1$$

Sequence: A170625
Score: 13.1236
Type of gen. func.: revogf

$$- \frac{39 x}{2} - 1/2 + \frac{(1521 x^2 + 82 x + 1)^{1/2}}{2}$$

Sequence: A170625
Score: 13.7541
Type of gen. func.: ogf

$$- \frac{x + 1}{39 x - 1}$$

Sequence: A170625
Score: 28.4345
Type of gen. func.: lgdogf

$$- \frac{40}{(x + 1) (39 x - 1)}$$

Sequence: A170625
Score: 7.06289
Type of gen. func.: ogf

$$\{a(n + 2) - 39 a(n + 1), a(0) = 1, a(1) = 40\}$$

Sequence: A170626
Score: 11.4798

Type of gen. func.: ogf

$$-40 f(x) x + f(x) - x - 1$$

Sequence: A170626
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{40 x - 1}$$

Sequence: A170626
Score: 13.9794
Type of gen. func.: revogf

$$-20 x - 1/2 + \frac{(1600 x^2 + 84 x + 1)^{1/2}}{2}$$

Sequence: A170626
Score: 28.7354
Type of gen. func.: lgdogf

$$-\frac{41}{(x + 1) (40 x - 1)}$$

Sequence: A170626
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 40 a(n + 1), a(0) = 1, a(1) = 41\}$$

Sequence: A170627
Score: 11.4798
Type of gen. func.: ogf

$$-41 f(x) x + f(x) - x - 1$$

Sequence: A170627
Score: 13.2625
Type of gen. func.: revogf

$$- 1/2 - \frac{41 x}{2} + \frac{(1681 x^2 + 86 x + 1)^{1/2}}{2}$$

Sequence: A170627
Score: 13.8966
Type of gen. func.: ogf

$$- \frac{x + 1}{41 x - 1}$$

Sequence: A170627
Score: 28.7354
Type of gen. func.: lgdogf

$$- \frac{42}{(x + 1) (41 x - 1)}$$

Sequence: A170627
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 41 a(n + 1), a(0) = 1, a(1) = 42\}$$

Sequence: A170628
Score: 11.5386
Type of gen. func.: ogf

$$-42 f(x) x + f(x) - x - 1$$

Sequence: A170628
Score: 13.9678
Type of gen. func.: ogf

$$- \frac{x + 1}{42 x - 1}$$

Sequence: A170628
Score: 14.0526
Type of gen. func.: revogf

$$- 1/2 - 21 x + \frac{(1764 x^2 + 88 x + 1)^{1/2}}{2}$$

Sequence: A170628
Score: 28.8859
Type of gen. func.: lgdogf

$$- \frac{43}{(x + 1) (42 x - 1)}$$

Sequence: A170628
Score: 7.17268
Type of gen. func.: ogf

$$\{a(n + 2) - 42 a(n + 1), a(0) = 1, a(1) = 43\}$$

Sequence: A170629
Score: 11.5975
Type of gen. func.: ogf

$$-43 f(x) x + f(x) - x - 1$$

Sequence: A170629
Score: 13.4014
Type of gen. func.: revogf

$$- 1/2 - \frac{43 x}{2} + \frac{(1849 x^2 + 90 x + 1)^{1/2}}{2}$$

Sequence: A170629
Score: 14.0391
Type of gen. func.: ogf

$$-\frac{x+1}{43x-1}$$

Sequence: A170629
Score: 29.0363
Type of gen. func.: lgdogf

$$-\frac{44}{(x+1)(43x-1)}$$

Sequence: A170629
Score: 7.20927
Type of gen. func.: ogf

$$\{a(n+2) - 43\,a(n+1),\ a(0) = 1,\ a(1) = 44\}$$

Sequence: A170630
Score: 11.7153
Type of gen. func.: ogf

$$-44\,f(x)\,x + f(x) - x - 1$$

Sequence: A170630
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x+1}{44x-1}$$

Sequence: A170630
Score: 14.2722
Type of gen. func.: revogf

$$-1/2 - 22x + \frac{(1936x^2 + 92x + 1)^{1/2}}{2}$$

Sequence: A170630
Score: 29.3372
Type of gen. func.: lgdogf

$$-\frac{45}{(x+1)(44x-1)}$$

Sequence: A170630
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n+2) - 44\,a(n+1),\ a(0) = 1,\ a(1) = 45\}$$

Sequence: A170631
Score: 11.7153
Type of gen. func.: ogf

$$-45\,f(x)\,x + f(x) - x - 1$$

Sequence: A170631
Score: 13.5403
Type of gen. func.: revogf

$$-1/2 - \frac{45x}{2} + \frac{(2025x^2 + 94x + 1)^{1/2}}{2}$$

Sequence: A170631
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x+1}{45x-1}$$

Sequence: A170631
Score: 29.3372
Type of gen. func.: lgdogf

$$-\frac{46}{(x+1)(45x-1)}$$

Sequence: A170631
Score: 7.28246
Type of gen. func.: ogf

```
{a(n + 2) - 45 a(n + 1), a(0) = 1, a(1) = 46}
```

Sequence: A170632
Score: 11.7153
Type of gen. func.: ogf

```
-46 f(x) x + f(x) - x - 1
```

Sequence: A170632
Score: 14.1816
Type of gen. func.: ogf

```
   x + 1
- --------
  46 x - 1
```

Sequence: A170632
Score: 14.2722
Type of gen. func.: revogf

```
                      2             1/2
               (2116 x  + 96 x + 1)
- 1/2 - 23 x + -----------------------
                          2
```

Sequence: A170632
Score: 29.3372
Type of gen. func.: lgdogf

```
          47
- ------------------
  (x + 1) (46 x - 1)
```

Sequence: A170632
Score: 7.28246
Type of gen. func.: ogf

{a(n + 2) - 46 a(n + 1), a(0) = 1, a(1) = 47}

Sequence: A170633
Score: 11.9507
Type of gen. func.: ogf

$$-47 f(x) x + f(x) - x - 1$$

Sequence: A170633
Score: 13.8180
Type of gen. func.: revogf

$$-\frac{47 x}{2} - 1/2 + \frac{(2209 x^2 + 98 x + 1)^{1/2}}{2}$$

Sequence: A170633
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{47 x - 1}$$

Sequence: A170633
Score: 29.9390
Type of gen. func.: lgdogf

$$-\frac{48}{(x + 1) (47 x - 1)}$$

Sequence: A170633
Score: 7.42884
Type of gen. func.: ogf

{a(n + 2) - 47 a(n + 1), a(0) = 1, a(1) = 48}

Sequence: A170634
Score: 11.9507
Type of gen. func.: ogf

$$-48 f(x) x + f(x) - x - 1$$

Sequence: A170634
Score: 13.8180
Type of gen. func.: revogf

$$-\frac{1}{2} - 24 x + \frac{((1 + 36 x) (64 x + 1))^{1/2}}{2}$$

Sequence: A170634
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{48 x - 1}$$

Sequence: A170634
Score: 29.9390
Type of gen. func.: lgdogf

$$-\frac{49}{(x + 1) (48 x - 1)}$$

Sequence: A170634
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 48 a(n + 1), a(0) = 1, a(1) = 49\}$$

Sequence: A170635
Score: 11.9507
Type of gen. func.: ogf

$$-49 f(x) x + f(x) - x - 1$$

Sequence: A170635

Score: 13.4725
Type of gen. func.: revogf

$$- 1/2 - \frac{49 x}{2} + \frac{(2401 x^2 + 102 x + 1)^{1/2}}{2}$$

Sequence: A170635
Score: 14.4667
Type of gen. func.: ogf

$$- \frac{x + 1}{49 x - 1}$$

Sequence: A170635
Score: 29.9390
Type of gen. func.: lgdogf

$$- \frac{50}{(x + 1) (49 x - 1)}$$

Sequence: A170635
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 49 a(n + 1), a(0) = 1, a(1) = 50\}$$

Sequence: A170636
Score: 15.8654
Type of gen. func.: ogf

$$-2 f(x) x + f(x) - x - 1$$

Sequence: A170636
Score: 19.2957
Type of gen. func.: ogf

$$- \frac{x + 1}{2 x - 1}$$

Sequence: A170636
Score: 23.3360
Type of gen. func.: revogf

$$-x - 1/2 + \frac{(4 x^2 + 8 x + 1)^{1/2}}{2}$$

Sequence: A170636
Score: 43.7550
Type of gen. func.: lgdogf

$$- \frac{3}{(2 x - 1) (x + 1)}$$

Sequence: A170636
Score: 9.91586
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 3\}$$

Sequence: A170637
Score: 14.5528
Type of gen. func.: ogf

$$-3 f(x) x + f(x) - x - 1$$

Sequence: A170637
Score: 17.6994
Type of gen. func.: ogf

$$- \frac{x + 1}{3 x - 1}$$

Sequence: A170637
Score: 17.8290
Type of gen. func.: revogf

$${}^{1/2}$$

$$-\frac{3x}{2} - 1/2 + \frac{((x+1)(1+9x))}{2}$$

Sequence: A170637
Score: 37.7556
Type of gen. func.: lgdogf

$$-\frac{4}{(3x-1)(x+1)}$$

Sequence: A170637
Score: 9.09553
Type of gen. func.: ogf

$$\{a(n+2) - 3\,a(n+1),\ a(0) = 1,\ a(1) = 4\}$$

Sequence: A170638
Score: 14.619
Type of gen. func.: ogf

$$-4\,f(x)\,x + f(x) - x - 1$$

Sequence: A170638
Score: 17.7799
Type of gen. func.: ogf

$$-\frac{x+1}{4x-1}$$

Sequence: A170638
Score: 18.9748
Type of gen. func.: revogf

$$-2x - 1/2 + \frac{(16x^2 + 12x + 1)^{1/2}}{2}$$

Sequence: A170638

Score: 40.3215
Type of gen. func.: lgdogf

$$-\frac{5}{(x+1)(4x-1)}$$

Sequence: A170638
Score: 9.13689
Type of gen. func.: ogf

$$\{a(n+2) - 4\,a(n+1),\ a(0) = 1,\ a(1) = 5\}$$

Sequence: A170639
Score: 13.6693
Type of gen. func.: ogf

$$-5\,f(x)\,x + f(x) - x - 1$$

Sequence: A170639
Score: 16.6248
Type of gen. func.: ogf

$$-\frac{x+1}{5x-1}$$

Sequence: A170639
Score: 16.7431
Type of gen. func.: revogf

$$-1/2 - \frac{5x}{2} + \frac{(25x^2 + 14x + 1)^{1/2}}{2}$$

Sequence: A170639
Score: 37.6720
Type of gen. func.: lgdogf

$$-\frac{6}{(x+1)(5x-1)}$$

Sequence: A170639
Score: 8.54329
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1), a(0) = 1, a(1) = 6\}$$

Sequence: A170640
Score: 13.4636
Type of gen. func.: ogf

$$-6 f(x) x + f(x) - x - 1$$

Sequence: A170640
Score: 16.3746
Type of gen. func.: ogf

$$-\frac{x + 1}{-1 + 6 x}$$

Sequence: A170640
Score: 17.4612
Type of gen. func.: revogf

$$-3 x - 1/2 + \frac{(36 x^2 + 16 x + 1)^{1/2}}{2}$$

Sequence: A170640
Score: 37.1051
Type of gen. func.: lgdogf

$$-\frac{7}{(x + 1) (-1 + 6 x)}$$

Sequence: A170640
Score: 8.41471
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 7\}$$

Sequence: A170641
Score: 12.9815
Type of gen. func.: ogf

$$-7 f(x) x + f(x) - x - 1$$

Sequence: A170641
Score: 15.7883
Type of gen. func.: ogf

$$-\frac{x + 1}{7 x - 1}$$

Sequence: A170641
Score: 15.8940
Type of gen. func.: revogf

$$- 1/2 - \frac{7 x}{2} + \frac{(49 x^2 + 18 x + 1)^{1/2}}{2}$$

Sequence: A170641
Score: 35.7615
Type of gen. func.: lgdogf

$$-\frac{8}{(x + 1) (7 x - 1)}$$

Sequence: A170641
Score: 8.11343
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1), a(0) = 1, a(1) = 8\}$$

Sequence: A170642
Score: 13.6472
Type of gen. func.: ogf

$$-8 f(x) x + f(x) - x - 1$$

Sequence: A170642
Score: 16.2741
Type of gen. func.: revogf

$$-4 x - 1/2 + \frac{((4 x + 1) (1 + 16 x))^{1/2}}{2}$$

Sequence: A170642
Score: 16.5980
Type of gen. func.: ogf

$$- \frac{x + 1}{8 x - 1}$$

Sequence: A170642
Score: 37.6339
Type of gen. func.: lgdogf

$$- \frac{9}{(x + 1) (8 x - 1)}$$

Sequence: A170642
Score: 8.52951
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 9\}$$

Sequence: A170643
Score: 12.7592
Type of gen. func.: ogf

$$-9 f(x) x + f(x) - x - 1$$

Sequence: A170643
Score: 15.5180

Type of gen. func.: ogf

$$-\frac{x+1}{9x-1}$$

Sequence: A170643
Score: 15.6219
Type of gen. func.: revogf

$$-1/2-\frac{9x}{2}+\frac{(81x^2+22x+1)^{1/2}}{2}$$

Sequence: A170643
Score: 33.0816
Type of gen. func.: lgdogf

$$-\frac{10}{(x+1)(9x-1)}$$

Sequence: A170643
Score: 7.86529
Type of gen. func.: ogf

$$\{a(n+2)-9a(n+1), a(0)=1, a(1)=10\}$$

Sequence: A170644
Score: 12.0642
Type of gen. func.: ogf

$$-10 f(x) x + f(x) - x - 1$$

Sequence: A170644
Score: 14.6040
Type of gen. func.: ogf

$$-\frac{x+1}{10x-1}$$

Sequence: A170644
Score: 15.5254
Type of gen. func.: revogf

$$-5 x - 1/2 + \frac{(100 x^2 + 24 x + 1)^{1/2}}{2}$$

Sequence: A170644
Score: 30.1883
Type of gen. func.: lgdogf

$$- \frac{11}{(x + 1) (10 x - 1)}$$

Sequence: A170644
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 11\}$$

Sequence: A170645
Score: 12.0642
Type of gen. func.: ogf

$$-11 f(x) x + f(x) - x - 1$$

Sequence: A170645
Score: 14.2997
Type of gen. func.: revogf

$$- 1/2 - \frac{11 x}{2} + \frac{(121 x^2 + 26 x + 1)^{1/2}}{2}$$

Sequence: A170645
Score: 14.6040
Type of gen. func.: ogf

$$x + 1$$

$$-\frac{}{11 x - 1}$$

Sequence: A170645
Score: 30.1883
Type of gen. func.: lgdogf

$$-\frac{12}{(x + 1) (11 x - 1)}$$

Sequence: A170645
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1), a(0) = 1, a(1) = 12\}$$

Sequence: A170646
Score: 10.9017
Type of gen. func.: ogf

$$-12 f(x) x + f(x) - x - 1$$

Sequence: A170646
Score: 13.1968
Type of gen. func.: ogf

$$-\frac{x + 1}{12 x - 1}$$

Sequence: A170646
Score: 14.0042
Type of gen. func.: revogf

$$- 1/2 - 6 x + \frac{(144 x^2 + 28 x + 1)^{1/2}}{2}$$

Sequence: A170646
Score: 27.2303

Type of gen. func.: lgdogf

$$-\frac{13}{(x + 1) (12 x - 1)}$$

Sequence: A170646
Score: 6.77673
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1), a(0) = 1, a(1) = 13\}$$

Sequence: A170647
Score: 11.1481
Type of gen. func.: ogf

$$-13 f(x) x + f(x) - x - 1$$

Sequence: A170647
Score: 13.1968
Type of gen. func.: revogf

$$- 1/2 - \frac{13 x}{2} + \frac{(169 x^2 + 30 x + 1)^{1/2}}{2}$$

Sequence: A170647
Score: 13.4950
Type of gen. func.: ogf

$$-\frac{x + 1}{13 x - 1}$$

Sequence: A170647
Score: 27.8599
Type of gen. func.: lgdogf

$$-\frac{14}{(x + 1) (13 x - 1)}$$

Sequence: A170647
Score: 6.92988
Type of gen. func.: ogf

$$\{a(n+2) - 13\, a(n+1),\ a(0) = 1,\ a(1) = 14\}$$

Sequence: A170648
Score: 11.456
Type of gen. func.: ogf

$$-14\, f(x)\, x + f(x) - x - 1$$

Sequence: A170648
Score: 13.8678
Type of gen. func.: ogf

$$-\frac{x + 1}{14\, x - 1}$$

Sequence: A170648
Score: 14.7327
Type of gen. func.: revogf

$$-1/2 - 7\, x + \frac{(196\, x^2 + 32\, x + 1)^{1/2}}{2}$$

Sequence: A170648
Score: 28.6469
Type of gen. func.: lgdogf

$$-\frac{15}{(x + 1)\,(14\, x - 1)}$$

Sequence: A170648
Score: 7.12131
Type of gen. func.: ogf

$$\{a(n+2) - 14\, a(n+1),\ a(0) = 1,\ a(1) = 15\}$$

Sequence: A170649
Score: 11.6408
Type of gen. func.: ogf

$$-15 f(x) x + f(x) - x - 1$$

Sequence: A170649
Score: 13.1036
Type of gen. func.: revogf

$$- 1/2 - \frac{15 x}{2} + \frac{((1 + 9 x) (1 + 25 x))^{1/2}}{2}$$

Sequence: A170649
Score: 14.0915
Type of gen. func.: ogf

$$- \frac{x + 1}{15 x - 1}$$

Sequence: A170649
Score: 29.1191
Type of gen. func.: lgdogf

$$- \frac{16}{(x + 1) (15 x - 1)}$$

Sequence: A170649
Score: 7.23618
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1), a(0) = 1, a(1) = 16\}$$

Sequence: A170650
Score: 11.9488
Type of gen. func.: ogf

$$-16 f(x) x + f(x) - x - 1$$

Sequence: A170650
Score: 14.4643
Type of gen. func.: ogf

$$-\frac{x + 1}{16 x - 1}$$

Sequence: A170650
Score: 15.3803
Type of gen. func.: revogf

$$- 1/2 - 8 x + \frac{(256 x^2 + 36 x + 1)^{1/2}}{2}$$

Sequence: A170650
Score: 29.9061
Type of gen. func.: lgdogf

$$-\frac{17}{(x + 1) (16 x - 1)}$$

Sequence: A170650
Score: 7.42761
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 17\}$$

Sequence: A170651
Score: 12.1335
Type of gen. func.: ogf

$$-17 f(x) x + f(x) - x - 1$$

Sequence: A170651
Score: 14.3897
Type of gen. func.: revogf

$$-\frac{1}{2}-\frac{17x}{2}+\frac{(289x^2+38x+1)^{1/2}}{2}$$

Sequence: A170651
Score: 14.6879
Type of gen. func.: ogf

$$-\frac{x+1}{17x-1}$$

Sequence: A170651
Score: 30.3783
Type of gen. func.: lgdogf

$$-\frac{18}{(x+1)(17x-1)}$$

Sequence: A170651
Score: 7.54246
Type of gen. func.: ogf

$$\{a(n+2)-17a(n+1), a(0)=1, a(1)=18\}$$

Sequence: A170652
Score: 10.789
Type of gen. func.: ogf

$$-18f(x)x+f(x)-x-1$$

Sequence: A170652
Score: 13.0604
Type of gen. func.: ogf

$$-\frac{x+1}{18x-1}$$

Sequence: A170652
Score: 13.8630
Type of gen. func.: revogf

$$- 1/2 - 9 x + \frac{(324 x^2 + 40 x + 1)^{1/2}}{2}$$

Sequence: A170652
Score: 26.9557
Type of gen. func.: lgdogf

$$- \frac{19}{(x + 1) (18 x - 1)}$$

Sequence: A170652
Score: 6.70668
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1), a(0) = 1, a(1) = 19\}$$

Sequence: A170653
Score: 10.9095
Type of gen. func.: ogf

$$-19 f(x) x + f(x) - x - 1$$

Sequence: A170653
Score: 12.9144
Type of gen. func.: revogf

$$- 1/2 - \frac{19 x}{2} + \frac{(361 x^2 + 42 x + 1)^{1/2}}{2}$$

Sequence: A170653
Score: 13.2063
Type of gen. func.: ogf

$$- \frac{x + 1}{}$$

$$19 x - 1$$

Sequence: A170653
Score: 27.2638
Type of gen. func.: lgdogf

$$-\frac{20}{(x + 1) (19 x - 1)}$$

Sequence: A170653
Score: 6.78161
Type of gen. func.: ogf

$$\{a(n + 2) - 19 a(n + 1), a(0) = 1, a(1) = 20\}$$

Sequence: A170654
Score: 11.0904
Type of gen. func.: ogf

$$-20 f(x) x + f(x) - x - 1$$

Sequence: A170654
Score: 13.4252
Type of gen. func.: ogf

$$-\frac{x + 1}{20 x - 1}$$

Sequence: A170654
Score: 13.8630
Type of gen. func.: revogf

$$- 1/2 - 10 x + \frac{(400 x^2 + 44 x + 1)^{1/2}}{2}$$

Sequence: A170654
Score: 26.2666
Type of gen. func.: lgdogf

$$-\frac{21}{(x+1)(20x-1)}$$

Sequence: A170654
Score: 6.89401
Type of gen. func.: ogf

$$\{a(n+2) - 20\, a(n+1),\ a(0) = 1,\ a(1) = 21\}$$

Sequence: A170655
Score: 11.1506
Type of gen. func.: ogf

$$-21 f(x) x + f(x) - x - 1$$

Sequence: A170655
Score: 13.2063
Type of gen. func.: revogf

$$-1/2 - \frac{21x}{2} + \frac{(441x^2 + 46x + 1)^{1/2}}{2}$$

Sequence: A170655
Score: 13.4981
Type of gen. func.: ogf

$$-\frac{x+1}{21x-1}$$

Sequence: A170655
Score: 27.8799
Type of gen. func.: lgdogf

$$-\frac{22}{(x+1)(21x-1)}$$

Sequence: A170655
Score: 6.93147
Type of gen. func.: ogf

$$\{a(n + 2) - 21 a(n + 1), a(0) = 1, a(1) = 22\}$$

Sequence: A170656
Score: 11.452
Type of gen. func.: ogf

$$-22 f(x) x + f(x) - x - 1$$

Sequence: A170656
Score: 13.8629
Type of gen. func.: ogf

$$- \frac{x + 1}{22 x - 1}$$

Sequence: A170656
Score: 14.3250
Type of gen. func.: revogf

$$- 1/2 - 11 x + \frac{(484 x^2 + 48 x + 1)^{1/2}}{2}$$

Sequence: A170656
Score: 28.6501
Type of gen. func.: lgdogf

$$- \frac{23}{(x + 1) (22 x - 1)}$$

Sequence: A170656
Score: 7.11881
Type of gen. func.: ogf

$$\{a(n + 2) - 22 a(n + 1), a(0) = 1, a(1) = 23\}$$

Sequence: A170657
Score: 11.5123
Type of gen. func.: ogf

$$-23 f(x) x + f(x) - x - 1$$

Sequence: A170657
Score: 13.6441
Type of gen. func.: revogf

$$-\frac{23 x}{2} - 1/2 + \frac{(529 x^2 + 50 x + 1)^{1/2}}{2}$$

Sequence: A170657
Score: 13.9359
Type of gen. func.: ogf

$$-\frac{x + 1}{23 x - 1}$$

Sequence: A170657
Score: 28.8041
Type of gen. func.: lgdogf

$$-\frac{24}{(x + 1) (23 x - 1)}$$

Sequence: A170657
Score: 7.15628
Type of gen. func.: ogf

$$\{a(n + 2) - 23 a(n + 1), a(0) = 1, a(1) = 24\}$$

Sequence: A170658
Score: 11.6328
Type of gen. func.: ogf

$$-24 f(x) x + f(x) - x - 1$$

Sequence: A170658
Score: 13.4364
Type of gen. func.: revogf

$$-12 x - 1/2 + \frac{((1 + 16 x) (1 + 36 x))^{1/2}}{2}$$

Sequence: A170658
Score: 14.0818
Type of gen. func.: ogf

$$- \frac{x + 1}{24 x - 1}$$

Sequence: A170658
Score: 29.1122
Type of gen. func.: lgdogf

$$- \frac{25}{(x + 1) (24 x - 1)}$$

Sequence: A170658
Score: 7.23122
Type of gen. func.: ogf

$$\{a(n + 2) - 24 a(n + 1), a(0) = 1, a(1) = 25\}$$

Sequence: A170659
Score: 11.7534
Type of gen. func.: ogf

$$-25 f(x) x + f(x) - x - 1$$

Sequence: A170659
Score: 13.9359
Type of gen. func.: revogf

$$-1/2 - \frac{25 x}{2} + \frac{(625 x^2 + 54 x + 1)^{1/2}}{2}$$

Sequence: A170659
Score: 14.2278
Type of gen. func.: ogf

$$-\frac{x + 1}{25 x - 1}$$

Sequence: A170659
Score: 29.4203
Type of gen. func.: lgdogf

$$-\frac{26}{(x + 1) (25 x - 1)}$$

Sequence: A170659
Score: 7.30615
Type of gen. func.: ogf

$$\{a(n + 2) - 25 a(n + 1), a(0) = 1, a(1) = 26\}$$

Sequence: A170660
Score: 11.8739
Type of gen. func.: ogf

$$-26 f(x) x + f(x) - x - 1$$

Sequence: A170660
Score: 14.3737
Type of gen. func.: ogf

$$-\frac{x + 1}{26 x - 1}$$

```
Sequence:  A170660
Score: 14.8642
Type of gen. func.: revogf


                                             2             1/2
                                       (676 x  + 56 x + 1)
                      -13 x - 1/2 + ----------------------
                                                 2



------------------------------------------------------------------------------

Sequence:  A170660
Score: 29.7283
Type of gen. func.: lgdogf


                                           27
                                 - ------------------
                                   (x + 1) (26 x - 1)



------------------------------------------------------------------------------

Sequence:  A170660
Score: 7.38108
Type of gen. func.: ogf


                 {a(n + 2) - 26 a(n + 1), a(0) = 1, a(1) = 27}



------------------------------------------------------------------------------

Sequence:  A170661
Score: 12.0547
Type of gen. func.: ogf


                              -27 f(x) x + f(x) - x - 1



------------------------------------------------------------------------------

Sequence:  A170661
Score: 14.3007
Type of gen. func.: revogf


                                             2             1/2
                         27 x         (729 x  + 58 x + 1)
                       - ---- - 1/2 + ----------------------
                          2                      2



------------------------------------------------------------------------------

Sequence:  A170661
Score: 14.5926
Type of gen. func.: ogf


                                         x + 1
                                      - --------
                                        27 x - 1
```

Sequence: A170661
Score: 30.1904
Type of gen. func.: lgdogf

$$-\frac{28}{(x+1)(27x-1)}$$

Sequence: A170661
Score: 7.49349
Type of gen. func.: ogf

$$\{a(n+2) - 27\,a(n+1),\ a(0) = 1,\ a(1) = 28\}$$

Sequence: A170662
Score: 12.115
Type of gen. func.: ogf

$$-28 f(x) x + f(x) - x - 1$$

Sequence: A170662
Score: 14.6656
Type of gen. func.: ogf

$$-\frac{x+1}{28x-1}$$

Sequence: A170662
Score: 15.1722
Type of gen. func.: revogf

$$-14x - 1/2 + \frac{(784x^2 + 60x + 1)^{1/2}}{2}$$

Sequence: A170662
Score: 30.3445
Type of gen. func.: lgdogf

$$-\frac{29}{(x+1)(28x-1)}$$

Sequence: A170662
Score: 7.53096
Type of gen. func.: ogf

$$\{a(n+2) - 28\,a(n+1),\ a(0) = 1,\ a(1) = 29\}$$

Sequence: A170663
Score: 12.2356
Type of gen. func.: ogf

$$-29\,f(x)\,x + f(x) - x - 1$$

Sequence: A170663
Score: 14.5196
Type of gen. func.: revogf

$$-\frac{29x}{2} - 1/2 + \frac{(841x^2 + 62x + 1)^{1/2}}{2}$$

Sequence: A170663
Score: 14.8115
Type of gen. func.: ogf

$$-\frac{x+1}{29x-1}$$

Sequence: A170663
Score: 30.6525
Type of gen. func.: lgdogf

$$-\frac{30}{(x+1)(29x-1)}$$

Sequence: A170663
Score: 7.60589
Type of gen. func.: ogf

$$\{a(n+2) - 29\,a(n+1),\ a(0) = 1,\ a(1) = 30\}$$

Sequence: A170664
Score: 12.2958
Type of gen. func.: ogf

$$-30\,f(x)\,x + f(x) - x - 1$$

Sequence: A170664
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x+1}{30\,x-1}$$

Sequence: A170664
Score: 15.4033
Type of gen. func.: revogf

$$-15\,x - 1/2 + \frac{(900\,x^2 + 64\,x + 1)^{1/2}}{2}$$

Sequence: A170664
Score: 30.8066
Type of gen. func.: lgdogf

$$-\frac{31}{(x+1)\,(30\,x-1)}$$

Sequence: A170664
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n+2) - 30\,a(n+1),\ a(0) = 1,\ a(1) = 31\}$$

Sequence: A170665
Score: 12.2958
Type of gen. func.: ogf

$$-31 f(x) x + f(x) - x - 1$$

Sequence: A170665
Score: 14.5926
Type of gen. func.: revogf

$$-\frac{31 x}{2} - 1/2 + \frac{(961 x^{2} + 66 x + 1)^{1/2}}{2}$$

Sequence: A170665
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{31 x - 1}$$

Sequence: A170665
Score: 30.8066
Type of gen. func.: lgdogf

$$-\frac{32}{(x + 1) (31 x - 1)}$$

Sequence: A170665
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 31 a(n + 1), a(0) = 1, a(1) = 32\}$$

Sequence: A170666
Score: 12.7177
Type of gen. func.: ogf

$$-32 f(x) x + f(x) - x - 1$$

Sequence: A170666
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{32 x - 1}$$

Sequence: A170666
Score: 15.5115
Type of gen. func.: revogf

$$- 1/2 - 16 x + \frac{(1024 x^2 + 68 x + 1)^{1/2}}{2}$$

Sequence: A170666
Score: 31.8848
Type of gen. func.: lgdogf

$$-\frac{33}{(x + 1) (32 x - 1)}$$

Sequence: A170666
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 32 a(n + 1), a(0) = 1, a(1) = 33\}$$

Sequence: A170667
Score: 12.7177
Type of gen. func.: ogf

$$-33 f(x) x + f(x) - x - 1$$

Sequence: A170667
Score: 14.7161
Type of gen. func.: revogf

$$- 1/2 - \frac{33 x}{2} + \frac{(1089 x^2 + 70 x + 1)^{1/2}}{2}$$

Sequence: A170667
Score: 15.3952
Type of gen. func.: ogf

$$- \frac{x + 1}{33 x - 1}$$

Sequence: A170667
Score: 31.8848
Type of gen. func.: lgdogf

$$- \frac{34}{(x + 1) (33 x - 1)}$$

Sequence: A170667
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 33 a(n + 1), a(0) = 1, a(1) = 34\}$$

Sequence: A170668
Score: 12.7177
Type of gen. func.: ogf

$$-34 f(x) x + f(x) - x - 1$$

Sequence: A170668
Score: 15.3952
Type of gen. func.: ogf

$$- \frac{x + 1}{34 x - 1}$$

Sequence: A170668

Score: 15.5115
Type of gen. func.: revogf

$$- 1/2 - 17 x + \frac{(1156 x^2 + 72 x + 1)^{1/2}}{2}$$

Sequence: A170668
Score: 31.8848
Type of gen. func.: lgdogf

$$- \frac{35}{(x + 1) (34 x - 1)}$$

Sequence: A170668
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 34 a(n + 1), a(0) = 1, a(1) = 35\}$$

Sequence: A170669
Score: 12.8383
Type of gen. func.: ogf

$$-35 f(x) x + f(x) - x - 1$$

Sequence: A170669
Score: 14.1334
Type of gen. func.: revogf

$$- \frac{35 x}{2} - 1/2 + \frac{((1 + 25 x) (1 + 49 x))^{1/2}}{2}$$

Sequence: A170669
Score: 15.5411
Type of gen. func.: ogf

$$- \frac{x + 1}{35 x - 1}$$

Sequence: A170669
Score: 32.1929
Type of gen. func.: lgdogf

$$-\frac{36}{(x+1)(35x-1)}$$

Sequence: A170669
Score: 7.98057
Type of gen. func.: ogf

$$\{a(n+2) - 35\, a(n+1),\ a(0) = 1,\ a(1) = 36\}$$

Sequence: A170670
Score: 11.1854
Type of gen. func.: ogf

$$-36 f(x)\, x + f(x) - x - 1$$

Sequence: A170670
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x+1}{36x-1}$$

Sequence: A170670
Score: 13.6134
Type of gen. func.: revogf

$$-1/2 - 18x + \frac{(1296x^2 + 76x + 1)^{1/2}}{2}$$

Sequence: A170670
Score: 27.9832
Type of gen. func.: lgdogf

$$-\frac{37}{(x+1)(36x-1)}$$

Sequence: A170670
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n+2) - 36\,a(n+1),\ a(0) = 1,\ a(1) = 37\}$$

Sequence: A170671
Score: 11.1854
Type of gen. func.: ogf

$$-37\,f(x)\,x + f(x) - x - 1$$

Sequence: A170671
Score: 12.9153
Type of gen. func.: revogf

$$-1/2 - \frac{37x}{2} + \frac{(1369x^2 + 78x + 1)^{1/2}}{2}$$

Sequence: A170671
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x+1}{37x-1}$$

Sequence: A170671
Score: 27.9832
Type of gen. func.: lgdogf

$$-\frac{38}{(x+1)(37x-1)}$$

Sequence: A170671

Score: 6.95311
Type of gen. func.: ogf

$$\{a(n + 2) - 37 a(n + 1), a(0) = 1, a(1) = 38\}$$

Sequence: A170672
Score: 11.3032
Type of gen. func.: ogf

$$-38 f(x) x + f(x) - x - 1$$

Sequence: A170672
Score: 13.6828
Type of gen. func.: ogf

$$- \frac{x + 1}{38 x - 1}$$

Sequence: A170672
Score: 13.7598
Type of gen. func.: revogf

$$- 1/2 - 19 x + \frac{(1444 x^2 + 80 x + 1)^{1/2}}{2}$$

Sequence: A170672
Score: 28.2841
Type of gen. func.: lgdogf

$$- \frac{39}{(x + 1) (38 x - 1)}$$

Sequence: A170672
Score: 7.02630
Type of gen. func.: ogf

$$\{a(n + 2) - 38 a(n + 1), a(0) = 1, a(1) = 39\}$$

Sequence: A170673
Score: 11.362
Type of gen. func.: ogf

$$-39 f(x) x + f(x) - x - 1$$

Sequence: A170673
Score: 13.1236
Type of gen. func.: revogf

$$-\frac{39 x}{2} - 1/2 + \frac{(1521 x^2 + 82 x + 1)^{1/2}}{2}$$

Sequence: A170673
Score: 13.7541
Type of gen. func.: ogf

$$-\frac{x + 1}{39 x - 1}$$

Sequence: A170673
Score: 28.4345
Type of gen. func.: lgdogf

$$-\frac{40}{(x + 1) (39 x - 1)}$$

Sequence: A170673
Score: 7.06289
Type of gen. func.: ogf

$$\{a(n + 2) - 39 a(n + 1), a(0) = 1, a(1) = 40\}$$

Sequence: A170674
Score: 11.4798
Type of gen. func.: ogf

$$-40 f(x) x + f(x) - x - 1$$

Sequence: A170674
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{40 x - 1}$$

Sequence: A170674
Score: 13.9794
Type of gen. func.: revogf

$$-20 x - 1/2 + \frac{(1600 x^{2} + 84 x + 1)^{1/2}}{2}$$

Sequence: A170674
Score: 28.7354
Type of gen. func.: lgdogf

$$-\frac{41}{(x + 1) (40 x - 1)}$$

Sequence: A170674
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 40 a(n + 1), a(0) = 1, a(1) = 41\}$$

Sequence: A170675
Score: 11.4798
Type of gen. func.: ogf

$$-41 f(x) x + f(x) - x - 1$$

Sequence: A170675
Score: 13.2625
Type of gen. func.: revogf

2   1/2

$$-1/2 - \frac{41 x}{2} + \frac{(1681 x + 86 x + 1)}{2}$$

Sequence: A170675
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x + 1}{41 x - 1}$$

Sequence: A170675
Score: 28.7354
Type of gen. func.: lgdogf

$$-\frac{42}{(x + 1) (41 x - 1)}$$

Sequence: A170675
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 41 a(n + 1), a(0) = 1, a(1) = 42\}$$

Sequence: A170676
Score: 11.5386
Type of gen. func.: ogf

$$-42 f(x) x + f(x) - x - 1$$

Sequence: A170676
Score: 13.9678
Type of gen. func.: ogf

$$-\frac{x + 1}{42 x - 1}$$

Sequence: A170676
Score: 14.0526

Type of gen. func.: revogf

$$- 1/2 - 21 x + \frac{(1764 x^2 + 88 x + 1)^{1/2}}{2}$$

Sequence: A170676
Score: 28.8859
Type of gen. func.: lgdogf

$$- \frac{43}{(x + 1) (42 x - 1)}$$

Sequence: A170676
Score: 7.17268
Type of gen. func.: ogf

$$\{a(n + 2) - 42 a(n + 1), a(0) = 1, a(1) = 43\}$$

Sequence: A170677
Score: 11.5975
Type of gen. func.: ogf

$$-43 f(x) x + f(x) - x - 1$$

Sequence: A170677
Score: 13.4014
Type of gen. func.: revogf

$$- 1/2 - \frac{43 x}{2} + \frac{(1849 x^2 + 90 x + 1)^{1/2}}{2}$$

Sequence: A170677
Score: 14.0391
Type of gen. func.: ogf

$$- \frac{x + 1}{43 x - 1}$$

Sequence: A170677
Score: 29.0363
Type of gen. func.: lgdogf

$$-\frac{44}{(x + 1) (43 x - 1)}$$

Sequence: A170677
Score: 7.20927
Type of gen. func.: ogf

$$\{a(n + 2) - 43 a(n + 1), a(0) = 1, a(1) = 44\}$$

Sequence: A170678
Score: 11.7153
Type of gen. func.: ogf

$$-44 f(x) x + f(x) - x - 1$$

Sequence: A170678
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{44 x - 1}$$

Sequence: A170678
Score: 14.2722
Type of gen. func.: revogf

$$- 1/2 - 22 x + \frac{(1936 x^2 + 92 x + 1)^{1/2}}{2}$$

Sequence: A170678
Score: 29.3372
Type of gen. func.: lgdogf

$$-\frac{}{(x + 1) (44 x - 1)}$$

Sequence: A170678
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 44 a(n + 1), a(0) = 1, a(1) = 45\}$$

Sequence: A170679
Score: 11.7153
Type of gen. func.: ogf

$$-45 f(x) x + f(x) - x - 1$$

Sequence: A170679
Score: 13.5403
Type of gen. func.: revogf

$$- 1/2 - \frac{45 x}{2} + \frac{(2025 x^2 + 94 x + 1)^{1/2}}{2}$$

Sequence: A170679
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{45 x - 1}$$

Sequence: A170679
Score: 29.3372
Type of gen. func.: lgdogf

$$-\frac{46}{(x + 1) (45 x - 1)}$$

Sequence: A170679
Score: 7.28246

Type of gen. func.: ogf

$$\{a(n+2) - 45\, a(n+1),\ a(0) = 1,\ a(1) = 46\}$$

Sequence: A170680
Score: 11.7153
Type of gen. func.: ogf

$$-46 f(x)\, x + f(x) - x - 1$$

Sequence: A170680
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x+1}{46 x - 1}$$

Sequence: A170680
Score: 14.2722
Type of gen. func.: revogf

$$-1/2 - 23 x + \frac{(2116 x^2 + 96 x + 1)^{1/2}}{2}$$

Sequence: A170680
Score: 29.3372
Type of gen. func.: lgdogf

$$-\frac{47}{(x+1)(46 x - 1)}$$

Sequence: A170680
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n+2) - 46\, a(n+1),\ a(0) = 1,\ a(1) = 47\}$$

Sequence: A170681
Score: 11.9507
Type of gen. func.: ogf

$$-47 f(x) x + f(x) - x - 1$$

Sequence: A170681
Score: 13.8180
Type of gen. func.: revogf

$$-\frac{47 x}{2} - 1/2 + \frac{(2209 x^2 + 98 x + 1)^{1/2}}{2}$$

Sequence: A170681
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{47 x - 1}$$

Sequence: A170681
Score: 29.9390
Type of gen. func.: lgdogf

$$-\frac{48}{(x + 1) (47 x - 1)}$$

Sequence: A170681
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 47 a(n + 1), a(0) = 1, a(1) = 48\}$$

Sequence: A170682
Score: 11.9507
Type of gen. func.: ogf

$$-48 f(x) x + f(x) - x - 1$$

Sequence: A170682
Score: 13.8180
Type of gen. func.: revogf

$$- 1/2 - 24 x + \frac{((1 + 36 x) (64 x + 1))^{1/2}}{2}$$

Sequence: A170682
Score: 14.4667
Type of gen. func.: ogf

$$- \frac{x + 1}{48 x - 1}$$

Sequence: A170682
Score: 29.9390
Type of gen. func.: lgdogf

$$- \frac{49}{(x + 1) (48 x - 1)}$$

Sequence: A170682
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 48 a(n + 1), a(0) = 1, a(1) = 49\}$$

Sequence: A170683
Score: 11.9507
Type of gen. func.: ogf

$$-49 f(x) x + f(x) - x - 1$$

Sequence: A170683
Score: 13.4725
Type of gen. func.: revogf

$$49 x \quad (2401 x^2 + 102 x + 1)^{1/2}$$

```
               - 1/2 - ---- + ------------------------
                        2                2
```

Sequence: A170683
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{49 x - 1}$$

Sequence: A170683
Score: 29.9390
Type of gen. func.: lgdogf

$$-\frac{50}{(x + 1) (49 x - 1)}$$

Sequence: A170683
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 49 a(n + 1), a(0) = 1, a(1) = 50\}$$

Sequence: A170684
Score: 15.8654
Type of gen. func.: ogf

$$-2 f(x) x + f(x) - x - 1$$

Sequence: A170684
Score: 19.2957
Type of gen. func.: ogf

$$-\frac{x + 1}{2 x - 1}$$

Sequence: A170684
Score: 23.3360
Type of gen. func.: revogf

$$-x - 1/2 + \frac{(4 x^2 + 8 x + 1)^{1/2}}{2}$$

Sequence: A170684
Score: 43.7550
Type of gen. func.: lgdogf

$$- \frac{3}{(2 x - 1) (x + 1)}$$

Sequence: A170684
Score: 9.91586
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 3\}$$

Sequence: A170685
Score: 14.5528
Type of gen. func.: ogf

$$-3 f(x) x + f(x) - x - 1$$

Sequence: A170685
Score: 17.6994
Type of gen. func.: ogf

$$- \frac{x + 1}{3 x - 1}$$

Sequence: A170685
Score: 17.8290
Type of gen. func.: revogf

$$- \frac{3 x}{2} - 1/2 + \frac{((x + 1) (1 + 9 x))^{1/2}}{2}$$

Sequence: A170685
Score: 37.7556
Type of gen. func.: lgdogf

$$-\frac{4}{(3x-1)(x+1)}$$

Sequence: A170685
Score: 9.09553
Type of gen. func.: ogf

{a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 4}

Sequence: A170686
Score: 14.619
Type of gen. func.: ogf

-4 f(x) x + f(x) - x - 1

Sequence: A170686
Score: 17.7799
Type of gen. func.: ogf

$$-\frac{x+1}{4x-1}$$

Sequence: A170686
Score: 18.9748
Type of gen. func.: revogf

$$-2x-1/2+\frac{(16x^2+12x+1)^{1/2}}{2}$$

Sequence: A170686
Score: 40.3215
Type of gen. func.: lgdogf

$$-\frac{5}{}$$

$$(x + 1) (4 x - 1)$$

Sequence: A170686
Score: 9.13689
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 5\}$$

Sequence: A170687
Score: 13.6693
Type of gen. func.: ogf

$$-5 f(x) x + f(x) - x - 1$$

Sequence: A170687
Score: 16.6248
Type of gen. func.: ogf

$$- \frac{x + 1}{5 x - 1}$$

Sequence: A170687
Score: 16.7431
Type of gen. func.: revogf

$$- 1/2 - \frac{5 x}{2} + \frac{(25 x^2 + 14 x + 1)^{1/2}}{2}$$

Sequence: A170687
Score: 37.6720
Type of gen. func.: lgdogf

$$- \frac{6}{(x + 1) (5 x - 1)}$$

Sequence: A170687
Score: 8.54329
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1), a(0) = 1, a(1) = 6\}$$

Sequence: A170688
Score: 13.4636
Type of gen. func.: ogf

$$-6 f(x) x + f(x) - x - 1$$

Sequence: A170688
Score: 16.3746
Type of gen. func.: ogf

$$-\frac{x + 1}{-1 + 6 x}$$

Sequence: A170688
Score: 17.4612
Type of gen. func.: revogf

$$-3 x - 1/2 + \frac{(36 x^2 + 16 x + 1)^{1/2}}{2}$$

Sequence: A170688
Score: 37.1051
Type of gen. func.: lgdogf

$$-\frac{7}{(x + 1) (-1 + 6 x)}$$

Sequence: A170688
Score: 8.41471
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 7\}$$

Sequence: A170689

Score: 12.9815
Type of gen. func.: ogf

$$-7 f(x) x + f(x) - x - 1$$

Sequence: A170689
Score: 15.7883
Type of gen. func.: ogf

$$-\frac{x + 1}{7 x - 1}$$

Sequence: A170689
Score: 15.8940
Type of gen. func.: revogf

$$- 1/2 - \frac{7 x}{2} + \frac{(49 x^2 + 18 x + 1)^{1/2}}{2}$$

Sequence: A170689
Score: 35.7615
Type of gen. func.: lgdogf

$$-\frac{8}{(x + 1) (7 x - 1)}$$

Sequence: A170689
Score: 8.11343
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1), a(0) = 1, a(1) = 8\}$$

Sequence: A170690
Score: 13.6472
Type of gen. func.: ogf

$$-8 f(x) x + f(x) - x - 1$$

Sequence: A170690
Score: 16.2741
Type of gen. func.: revogf

$$-4 x - 1/2 + \frac{((4 x + 1) (1 + 16 x))^{1/2}}{2}$$

Sequence: A170690
Score: 16.5980
Type of gen. func.: ogf

$$- \frac{x + 1}{8 x - 1}$$

Sequence: A170690
Score: 37.6339
Type of gen. func.: lgdogf

$$- \frac{9}{(x + 1) (8 x - 1)}$$

Sequence: A170690
Score: 8.52951
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 9\}$$

Sequence: A170691
Score: 12.7592
Type of gen. func.: ogf

$$-9 f(x) x + f(x) - x - 1$$

Sequence: A170691
Score: 15.5180
Type of gen. func.: ogf

$$- \frac{x + 1}{9 x - 1}$$

Sequence: A170691
Score: 15.6219
Type of gen. func.: revogf

$$- 1/2 - \frac{9 x}{2} + \frac{(81 x^2 + 22 x + 1)^{1/2}}{2}$$

Sequence: A170691
Score: 33.0816
Type of gen. func.: lgdogf

$$- \frac{10}{(x + 1) (9 x - 1)}$$

Sequence: A170691
Score: 7.86529
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 10\}$$

Sequence: A170692
Score: 12.0642
Type of gen. func.: ogf

$$-10 f(x) x + f(x) - x - 1$$

Sequence: A170692
Score: 14.6040
Type of gen. func.: ogf

$$- \frac{x + 1}{10 x - 1}$$

Sequence: A170692
Score: 15.5254
Type of gen. func.: revogf

$$-5 x - 1/2 + \frac{(100 x^2 + 24 x + 1)^{1/2}}{2}$$

Sequence: A170692
Score: 30.1883
Type of gen. func.: lgdogf

$$- \frac{11}{(x + 1) (10 x - 1)}$$

Sequence: A170692
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 11\}$$

Sequence: A170693
Score: 12.0642
Type of gen. func.: ogf

$$-11 f(x) x + f(x) - x - 1$$

Sequence: A170693
Score: 14.2997
Type of gen. func.: revogf

$$- 1/2 - \frac{11 x}{2} + \frac{(121 x^2 + 26 x + 1)^{1/2}}{2}$$

Sequence: A170693
Score: 14.6040
Type of gen. func.: ogf

$$- \frac{x + 1}{11 x - 1}$$

Sequence: A170693
Score: 30.1883
Type of gen. func.: lgdogf

$$-\frac{12}{(x + 1) (11 x - 1)}$$

Sequence: A170693
Score: 7.49934
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1), a(0) = 1, a(1) = 12\}$$

Sequence: A170694
Score: 10.9017
Type of gen. func.: ogf

$$-12 f(x) x + f(x) - x - 1$$

Sequence: A170694
Score: 13.1968
Type of gen. func.: ogf

$$-\frac{x + 1}{12 x - 1}$$

Sequence: A170694
Score: 14.0042
Type of gen. func.: revogf

$$- 1/2 - 6 x + \frac{(144 x^2 + 28 x + 1)^{1/2}}{2}$$

Sequence: A170694
Score: 27.2303
Type of gen. func.: lgdogf

$$-\frac{13}{(x + 1) (12 x - 1)}$$

Sequence: A170694
Score: 6.77673
Type of gen. func.: ogf

```
                 {a(n + 2) - 12 a(n + 1), a(0) = 1, a(1) = 13}
```

Sequence: A170695
Score: 11.1481
Type of gen. func.: ogf

```
                           -13 f(x) x + f(x) - x - 1
```

Sequence: A170695
Score: 13.1968
Type of gen. func.: revogf

```
                                          2            1/2
                             13 x   (169 x  + 30 x + 1)
                     - 1/2 - ---- + ----------------------
                              2               2
```

Sequence: A170695
Score: 13.4950
Type of gen. func.: ogf

```
                                         x + 1
                                      - --------
                                        13 x - 1
```

Sequence: A170695
Score: 27.8599
Type of gen. func.: lgdogf

```
                                           14
                                 - ------------------
                                   (x + 1) (13 x - 1)
```

Sequence: A170695
Score: 6.92988
Type of gen. func.: ogf

$$\{a(n+2) - 13\,a(n+1),\ a(0) = 1,\ a(1) = 14\}$$

Sequence: A170696
Score: 11.456
Type of gen. func.: ogf

$$-14\,f(x)\,x + f(x) - x - 1$$

Sequence: A170696
Score: 13.8678
Type of gen. func.: ogf

$$-\frac{x + 1}{14\,x - 1}$$

Sequence: A170696
Score: 14.7327
Type of gen. func.: revogf

$$-1/2 - 7\,x + \frac{(196\,x^2 + 32\,x + 1)^{1/2}}{2}$$

Sequence: A170696
Score: 28.6469
Type of gen. func.: lgdogf

$$-\frac{15}{(x + 1)\,(14\,x - 1)}$$

Sequence: A170696
Score: 7.12131
Type of gen. func.: ogf

$$\{a(n+2) - 14\,a(n+1),\ a(0) = 1,\ a(1) = 15\}$$

Sequence: A170697
Score: 11.6408

Type of gen. func.: ogf

$$-15 f(x) x + f(x) - x - 1$$

Sequence: A170697
Score: 13.1036
Type of gen. func.: revogf

$$- 1/2 - \frac{15 x}{2} + \frac{((1 + 9 x) (1 + 25 x))^{1/2}}{2}$$

Sequence: A170697
Score: 14.0915
Type of gen. func.: ogf

$$- \frac{x + 1}{15 x - 1}$$

Sequence: A170697
Score: 29.1191
Type of gen. func.: lgdogf

$$- \frac{16}{(x + 1) (15 x - 1)}$$

Sequence: A170697
Score: 7.23618
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1), a(0) = 1, a(1) = 16\}$$

Sequence: A170698
Score: 11.9488
Type of gen. func.: ogf

$$-16 f(x) x + f(x) - x - 1$$

Sequence: A170698
Score: 14.4643
Type of gen. func.: ogf

$$-\frac{x + 1}{16 x - 1}$$

Sequence: A170698
Score: 15.3803
Type of gen. func.: revogf

$$-1/2 - 8 x + \frac{(256 x^2 + 36 x + 1)^{1/2}}{2}$$

Sequence: A170698
Score: 29.9061
Type of gen. func.: lgdogf

$$-\frac{17}{(x + 1) (16 x - 1)}$$

Sequence: A170698
Score: 7.42761
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 17\}$$

Sequence: A170699
Score: 12.1335
Type of gen. func.: ogf

$$-17 f(x) x + f(x) - x - 1$$

Sequence: A170699
Score: 14.3897
Type of gen. func.: revogf

$$-1/2 - \frac{17 x}{2} + \frac{(289 x^2 + 38 x + 1)^{1/2}}{2}$$

Sequence: A170699
Score: 14.6879
Type of gen. func.: ogf

$$-\frac{x + 1}{17 x - 1}$$

Sequence: A170699
Score: 30.3783
Type of gen. func.: lgdogf

$$-\frac{18}{(x + 1) (17 x - 1)}$$

Sequence: A170699
Score: 7.54246
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1), a(0) = 1, a(1) = 18\}$$

Sequence: A170700
Score: 10.789
Type of gen. func.: ogf

$$-18 f(x) x + f(x) - x - 1$$

Sequence: A170700
Score: 13.0604
Type of gen. func.: ogf

$$-\frac{x + 1}{18 x - 1}$$

Sequence: A170700
Score: 13.8630
Type of gen. func.: revogf

$$- 1/2 - 9 x + \frac{(324 x^2 + 40 x + 1)^{1/2}}{2}$$

Sequence: A170700
Score: 26.9557
Type of gen. func.: lgdogf

$$- \frac{19}{(x + 1) (18 x - 1)}$$

Sequence: A170700
Score: 6.70668
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1), a(0) = 1, a(1) = 19\}$$

Sequence: A170701
Score: 10.9095
Type of gen. func.: ogf

$$-19 f(x) x + f(x) - x - 1$$

Sequence: A170701
Score: 12.9144
Type of gen. func.: revogf

$$- 1/2 - \frac{19 x}{2} + \frac{(361 x^2 + 42 x + 1)^{1/2}}{2}$$

Sequence: A170701
Score: 13.2063
Type of gen. func.: ogf

$$- \frac{x + 1}{19 x - 1}$$

Sequence: A170701
Score: 27.2638
Type of gen. func.: lgdogf

$$-\frac{20}{(x + 1)\,(19 x - 1)}$$

Sequence: A170701
Score: 6.78161
Type of gen. func.: ogf

$$\{a(n + 2) - 19 a(n + 1),\ a(0) = 1,\ a(1) = 20\}$$

Sequence: A170702
Score: 11.0904
Type of gen. func.: ogf

$$-20 f(x) x + f(x) - x - 1$$

Sequence: A170702
Score: 13.4252
Type of gen. func.: ogf

$$-\frac{x + 1}{20 x - 1}$$

Sequence: A170702
Score: 13.8630
Type of gen. func.: revogf

$$-1/2 - 10 x + \frac{(400 x^2 + 44 x + 1)^{1/2}}{2}$$

Sequence: A170702
Score: 26.2666
Type of gen. func.: lgdogf

$$-\frac{21}{(x + 1)\,(20 x - 1)}$$

Sequence: A170702
Score: 6.89401
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1), a(0) = 1, a(1) = 21\}$$

Sequence: A170703
Score: 11.1506
Type of gen. func.: ogf

$$-21 f(x) x + f(x) - x - 1$$

Sequence: A170703
Score: 13.2063
Type of gen. func.: revogf

$$- 1/2 - \frac{21 x}{2} + \frac{(441 x^2 + 46 x + 1)^{1/2}}{2}$$

Sequence: A170703
Score: 13.4981
Type of gen. func.: ogf

$$- \frac{x + 1}{21 x - 1}$$

Sequence: A170703
Score: 27.8799
Type of gen. func.: lgdogf

$$- \frac{22}{(x + 1) (21 x - 1)}$$

Sequence: A170703
Score: 6.93147
Type of gen. func.: ogf

$$\{a(n + 2) - 21 a(n + 1), a(0) = 1, a(1) = 22\}$$

Sequence: A170704
Score: 11.452
Type of gen. func.: ogf

$$-22 f(x) x + f(x) - x - 1$$

Sequence: A170704
Score: 13.8629
Type of gen. func.: ogf

$$-\frac{x + 1}{22 x - 1}$$

Sequence: A170704
Score: 14.3250
Type of gen. func.: revogf

$$- 1/2 - 11 x + \frac{(484 x^2 + 48 x + 1)^{1/2}}{2}$$

Sequence: A170704
Score: 28.6501
Type of gen. func.: lgdogf

$$-\frac{23}{(x + 1) (22 x - 1)}$$

Sequence: A170704
Score: 7.11881
Type of gen. func.: ogf

$$\{a(n + 2) - 22 a(n + 1), a(0) = 1, a(1) = 23\}$$

Sequence: A170705
Score: 11.5123
Type of gen. func.: ogf

$$-23 f(x) x + f(x) - x - 1$$

Sequence: A170705
Score: 13.6441
Type of gen. func.: revogf

$$-\frac{23 x}{2} - 1/2 + \frac{(529 x^2 + 50 x + 1)^{1/2}}{2}$$

Sequence: A170705
Score: 13.9359
Type of gen. func.: ogf

$$-\frac{x + 1}{23 x - 1}$$

Sequence: A170705
Score: 28.8041
Type of gen. func.: lgdogf

$$-\frac{24}{(x + 1) (23 x - 1)}$$

Sequence: A170705
Score: 7.15628
Type of gen. func.: ogf

$$\{a(n + 2) - 23 a(n + 1), a(0) = 1, a(1) = 24\}$$

Sequence: A170706
Score: 11.6328
Type of gen. func.: ogf

$$-24 f(x) x + f(x) - x - 1$$

Sequence: A170706

Score: 13.4364
Type of gen. func.: revogf

$$-12 x - 1/2 + \frac{((1 + 16 x) (1 + 36 x))^{1/2}}{2}$$

Sequence: A170706
Score: 14.0818
Type of gen. func.: ogf

$$- \frac{x + 1}{24 x - 1}$$

Sequence: A170706
Score: 29.1122
Type of gen. func.: lgdogf

$$- \frac{25}{(x + 1) (24 x - 1)}$$

Sequence: A170706
Score: 7.23122
Type of gen. func.: ogf

$$\{a(n + 2) - 24 a(n + 1), a(0) = 1, a(1) = 25\}$$

Sequence: A170707
Score: 11.7534
Type of gen. func.: ogf

$$-25 f(x) x + f(x) - x - 1$$

Sequence: A170707
Score: 13.9359
Type of gen. func.: revogf

$$- 1/2 - \frac{25 x}{2} + \frac{(625 x^2 + 54 x + 1)^{1/2}}{2}$$

Sequence: A170707
Score: 14.2278
Type of gen. func.: ogf

$$-\frac{x + 1}{25 x - 1}$$

Sequence: A170707
Score: 29.4203
Type of gen. func.: lgdogf

$$-\frac{26}{(x + 1) (25 x - 1)}$$

Sequence: A170707
Score: 7.30615
Type of gen. func.: ogf

$$\{a(n + 2) - 25 a(n + 1), a(0) = 1, a(1) = 26\}$$

Sequence: A170708
Score: 11.8739
Type of gen. func.: ogf

$$-26 f(x) x + f(x) - x - 1$$

Sequence: A170708
Score: 14.3737
Type of gen. func.: ogf

$$-\frac{x + 1}{26 x - 1}$$

Sequence: A170708
Score: 14.8642
Type of gen. func.: revogf

2 1/2

$$-13 x - 1/2 + \frac{(676 x + 56 x + 1)}{2}$$

Sequence: A170708
Score: 29.7283
Type of gen. func.: lgdogf

$$-\frac{27}{(x + 1) (26 x - 1)}$$

Sequence: A170708
Score: 7.38108
Type of gen. func.: ogf

$$\{a(n + 2) - 26 a(n + 1), a(0) = 1, a(1) = 27\}$$

Sequence: A170709
Score: 12.0547
Type of gen. func.: ogf

$$-27 f(x) x + f(x) - x - 1$$

Sequence: A170709
Score: 14.3007
Type of gen. func.: revogf

$$-\frac{27 x}{2} - 1/2 + \frac{(729 x^2 + 58 x + 1)^{1/2}}{2}$$

Sequence: A170709
Score: 14.5926
Type of gen. func.: ogf

$$-\frac{x + 1}{27 x - 1}$$

Sequence: A170709

Score: 30.1904
Type of gen. func.: lgdogf

$$-\frac{28}{(x+1)(27x-1)}$$

Sequence: A170709
Score: 7.49349
Type of gen. func.: ogf

$$\{a(n+2) - 27\,a(n+1),\ a(0) = 1,\ a(1) = 28\}$$

Sequence: A170710
Score: 12.115
Type of gen. func.: ogf

$$-28\,f(x)\,x + f(x) - x - 1$$

Sequence: A170710
Score: 14.6656
Type of gen. func.: ogf

$$-\frac{x+1}{28x-1}$$

Sequence: A170710
Score: 15.1722
Type of gen. func.: revogf

$$-14x - 1/2 + \frac{(784x^2 + 60x + 1)^{1/2}}{2}$$

Sequence: A170710
Score: 30.3445
Type of gen. func.: lgdogf

$$-\frac{29}{(x+1)(28x-1)}$$

Sequence: A170710
Score: 7.53096
Type of gen. func.: ogf

$$\{a(n + 2) - 28 a(n + 1), a(0) = 1, a(1) = 29\}$$

Sequence: A170711
Score: 12.2356
Type of gen. func.: ogf

$$-29 f(x) x + f(x) - x - 1$$

Sequence: A170711
Score: 14.5196
Type of gen. func.: revogf

$$- \frac{29 x}{2} - 1/2 + \frac{(841 x^2 + 62 x + 1)^{1/2}}{2}$$

Sequence: A170711
Score: 14.8115
Type of gen. func.: ogf

$$- \frac{x + 1}{29 x - 1}$$

Sequence: A170711
Score: 30.6525
Type of gen. func.: lgdogf

$$- \frac{30}{(x + 1) (29 x - 1)}$$

Sequence: A170711
Score: 7.60589
Type of gen. func.: ogf

$$\{a(n + 2) - 29 a(n + 1), a(0) = 1, a(1) = 30\}$$

Sequence: A170712
Score: 12.2958
Type of gen. func.: ogf

$$-30 f(x) x + f(x) - x - 1$$

Sequence: A170712
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{30 x - 1}$$

Sequence: A170712
Score: 15.4033
Type of gen. func.: revogf

$$-15 x - 1/2 + \frac{(900 x^2 + 64 x + 1)^{1/2}}{2}$$

Sequence: A170712
Score: 30.8066
Type of gen. func.: lgdogf

$$-\frac{31}{(x + 1) (30 x - 1)}$$

Sequence: A170712
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 30 a(n + 1), a(0) = 1, a(1) = 31\}$$

Sequence: A170713
Score: 12.2958
Type of gen. func.: ogf

$$-31 f(x) x + f(x) - x - 1$$

Sequence: A170713
Score: 14.5926
Type of gen. func.: revogf

$$-\frac{31 x}{2} - 1/2 + \frac{(961 x^2 + 66 x + 1)^{1/2}}{2}$$

Sequence: A170713
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x + 1}{31 x - 1}$$

Sequence: A170713
Score: 30.8066
Type of gen. func.: lgdogf

$$-\frac{32}{(x + 1) (31 x - 1)}$$

Sequence: A170713
Score: 7.64335
Type of gen. func.: ogf

$$\{a(n + 2) - 31 a(n + 1), a(0) = 1, a(1) = 32\}$$

Sequence: A170714
Score: 12.7177
Type of gen. func.: ogf

$$-32 f(x) x + f(x) - x - 1$$

Sequence: A170714
Score: 15.3952

Type of gen. func.: ogf

$$-\frac{x + 1}{32 x - 1}$$

Sequence: A170714
Score: 15.5115
Type of gen. func.: revogf

$$- 1/2 - 16 x + \frac{(1024 x^{2} + 68 x + 1)^{1/2}}{2}$$

Sequence: A170714
Score: 31.8848
Type of gen. func.: lgdogf

$$-\frac{33}{(x + 1) (32 x - 1)}$$

Sequence: A170714
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 32 a(n + 1), a(0) = 1, a(1) = 33\}$$

Sequence: A170715
Score: 12.7177
Type of gen. func.: ogf

$$-33 f(x) x + f(x) - x - 1$$

Sequence: A170715
Score: 14.7161
Type of gen. func.: revogf

$$- 1/2 - \frac{33 x}{2} + \frac{(1089 x^{2} + 70 x + 1)^{1/2}}{2}$$

Sequence: A170715
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{33 x - 1}$$

Sequence: A170715
Score: 31.8848
Type of gen. func.: lgdogf

$$-\frac{34}{(x + 1) (33 x - 1)}$$

Sequence: A170715
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 33 a(n + 1), a(0) = 1, a(1) = 34\}$$

Sequence: A170716
Score: 12.7177
Type of gen. func.: ogf

$$-34 f(x) x + f(x) - x - 1$$

Sequence: A170716
Score: 15.3952
Type of gen. func.: ogf

$$-\frac{x + 1}{34 x - 1}$$

Sequence: A170716
Score: 15.5115
Type of gen. func.: revogf

$$(1156 x^2 + 72 x + 1)^{1/2}$$

$$- 1/2 - 17 x + \frac{}{2}$$

Sequence: A170716
Score: 31.8848
Type of gen. func.: lgdogf

$$- \frac{35}{(x + 1) (34 x - 1)}$$

Sequence: A170716
Score: 7.90562
Type of gen. func.: ogf

$$\{a(n + 2) - 34 a(n + 1), a(0) = 1, a(1) = 35\}$$

Sequence: A170717
Score: 12.8383
Type of gen. func.: ogf

$$-35 f(x) x + f(x) - x - 1$$

Sequence: A170717
Score: 14.1334
Type of gen. func.: revogf

$$- \frac{35 x}{2} - 1/2 + \frac{((1 + 25 x) (1 + 49 x))^{1/2}}{2}$$

Sequence: A170717
Score: 15.5411
Type of gen. func.: ogf

$$- \frac{x + 1}{35 x - 1}$$

Sequence: A170717
Score: 32.1929

Type of gen. func.: lgdogf

$$-\frac{36}{(x+1)(35x-1)}$$

Sequence: A170717
Score: 7.98057
Type of gen. func.: ogf

$$\{a(n+2) - 35\, a(n+1),\ a(0) = 1,\ a(1) = 36\}$$

Sequence: A170718
Score: 11.1854
Type of gen. func.: ogf

$$-36 f(x) x + f(x) - x - 1$$

Sequence: A170718
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x+1}{36x-1}$$

Sequence: A170718
Score: 13.6134
Type of gen. func.: revogf

$$-1/2 - 18x + \frac{(1296x^2 + 76x + 1)^{1/2}}{2}$$

Sequence: A170718
Score: 27.9832
Type of gen. func.: lgdogf

$$-\frac{37}{(x+1)(36x-1)}$$

Sequence: A170718
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n+2) - 36\, a(n+1),\ a(0) = 1,\ a(1) = 37\}$$

Sequence: A170719
Score: 11.1854
Type of gen. func.: ogf

$$-37 f(x)\, x + f(x) - x - 1$$

Sequence: A170719
Score: 12.9153
Type of gen. func.: revogf

$$-1/2 - \frac{37\, x}{2} + \frac{(1369\, x^2 + 78\, x + 1)^{1/2}}{2}$$

Sequence: A170719
Score: 13.5403
Type of gen. func.: ogf

$$-\frac{x + 1}{37\, x - 1}$$

Sequence: A170719
Score: 27.9832
Type of gen. func.: lgdogf

$$-\frac{38}{(x + 1)\,(37\, x - 1)}$$

Sequence: A170719
Score: 6.95311
Type of gen. func.: ogf

$$\{a(n+2) - 37\, a(n+1),\ a(0) = 1,\ a(1) = 38\}$$

Sequence: A170720
Score: 11.3032
Type of gen. func.: ogf

$$-38 f(x) x + f(x) - x - 1$$

Sequence: A170720
Score: 13.6828
Type of gen. func.: ogf

$$-\frac{x + 1}{38 x - 1}$$

Sequence: A170720
Score: 13.7598
Type of gen. func.: revogf

$$- 1/2 - 19 x + \frac{(1444 x^2 + 80 x + 1)^{1/2}}{2}$$

Sequence: A170720
Score: 28.2841
Type of gen. func.: lgdogf

$$-\frac{39}{(x + 1) (38 x - 1)}$$

Sequence: A170720
Score: 7.02630
Type of gen. func.: ogf

$$\{a(n + 2) - 38 a(n + 1), a(0) = 1, a(1) = 39\}$$

Sequence: A170721
Score: 11.362
Type of gen. func.: ogf

$$-39 f(x) x + f(x) - x - 1$$

Sequence: A170721
Score: 13.1236
Type of gen. func.: revogf

$$-\frac{39 x}{2} - 1/2 + \frac{(1521 x^2 + 82 x + 1)^{1/2}}{2}$$

Sequence: A170721
Score: 13.7541
Type of gen. func.: ogf

$$-\frac{x + 1}{39 x - 1}$$

Sequence: A170721
Score: 28.4345
Type of gen. func.: lgdogf

$$-\frac{40}{(x + 1) (39 x - 1)}$$

Sequence: A170721
Score: 7.06289
Type of gen. func.: ogf

$$\{a(n + 2) - 39 a(n + 1), a(0) = 1, a(1) = 40\}$$

Sequence: A170722
Score: 11.4798
Type of gen. func.: ogf

$$-40 f(x) x + f(x) - x - 1$$

Sequence: A170722
Score: 13.8966
Type of gen. func.: ogf

$$-\frac{x+1}{40x-1}$$

Sequence: A170722
Score: 13.9794
Type of gen. func.: revogf

$$-20x - 1/2 + \frac{(1600x^2 + 84x + 1)^{1/2}}{2}$$

Sequence: A170722
Score: 28.7354
Type of gen. func.: lgdogf

$$-\frac{41}{(x+1)(40x-1)}$$

Sequence: A170722
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n+2) - 40\, a(n+1),\ a(0) = 1,\ a(1) = 41\}$$

Sequence: A170723
Score: 11.4798
Type of gen. func.: ogf

$$-41 f(x) x + f(x) - x - 1$$

Sequence: A170723
Score: 13.2625
Type of gen. func.: revogf

$$-1/2 - \frac{41x}{2} + \frac{(1681x^2 + 86x + 1)^{1/2}}{2}$$

Sequence: A170723
Score: 13.8966
Type of gen. func.: ogf

$$- \frac{x + 1}{41 x - 1}$$

Sequence: A170723
Score: 28.7354
Type of gen. func.: lgdogf

$$- \frac{42}{(x + 1) (41 x - 1)}$$

Sequence: A170723
Score: 7.13608
Type of gen. func.: ogf

$$\{a(n + 2) - 41 a(n + 1), a(0) = 1, a(1) = 42\}$$

Sequence: A170724
Score: 11.5386
Type of gen. func.: ogf

$$-42 f(x) x + f(x) - x - 1$$

Sequence: A170724
Score: 13.9678
Type of gen. func.: ogf

$$- \frac{x + 1}{42 x - 1}$$

Sequence: A170724
Score: 14.0526
Type of gen. func.: revogf

$$- 1/2 - 21 x + \frac{(1764 x^2 + 88 x + 1)^{1/2}}{}$$

2

Sequence: A170724
Score: 28.8859
Type of gen. func.: lgdogf

$$-\frac{43}{(x + 1) (42 x - 1)}$$

Sequence: A170724
Score: 7.17268
Type of gen. func.: ogf

$$\{a(n + 2) - 42 a(n + 1), a(0) = 1, a(1) = 43\}$$

Sequence: A170725
Score: 11.5975
Type of gen. func.: ogf

$$-43 f(x) x + f(x) - x - 1$$

Sequence: A170725
Score: 13.4014
Type of gen. func.: revogf

$$-1/2 - \frac{43 x}{2} + \frac{(1849 x^2 + 90 x + 1)^{1/2}}{2}$$

Sequence: A170725
Score: 14.0391
Type of gen. func.: ogf

$$-\frac{x + 1}{43 x - 1}$$

Sequence: A170725
Score: 29.0363
Type of gen. func.: lgdogf

$$-\frac{44}{(x+1)(43x-1)}$$

Sequence: A170725
Score: 7.20927
Type of gen. func.: ogf

$$\{a(n+2) - 43\,a(n+1),\ a(0) = 1,\ a(1) = 44\}$$

Sequence: A170726
Score: 11.7153
Type of gen. func.: ogf

$$-44\,f(x)\,x + f(x) - x - 1$$

Sequence: A170726
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x+1}{44x-1}$$

Sequence: A170726
Score: 14.2722
Type of gen. func.: revogf

$$-1/2 - 22x + \frac{(1936x^2 + 92x + 1)^{1/2}}{2}$$

Sequence: A170726
Score: 29.3372
Type of gen. func.: lgdogf

$$-\frac{45}{(x+1)(44x-1)}$$

Sequence: A170726
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 44 a(n + 1), a(0) = 1, a(1) = 45\}$$

Sequence: A170727
Score: 11.7153
Type of gen. func.: ogf

$$-45 f(x) x + f(x) - x - 1$$

Sequence: A170727
Score: 13.5403
Type of gen. func.: revogf

$$- 1/2 - \frac{45 x}{2} + \frac{(2025 x^2 + 94 x + 1)^{1/2}}{2}$$

Sequence: A170727
Score: 14.1816
Type of gen. func.: ogf

$$- \frac{x + 1}{45 x - 1}$$

Sequence: A170727
Score: 29.3372
Type of gen. func.: lgdogf

$$- \frac{46}{(x + 1) (45 x - 1)}$$

Sequence: A170727
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 45 a(n + 1), a(0) = 1, a(1) = 46\}$$

Sequence: A170728
Score: 11.7153
Type of gen. func.: ogf

$$-46 f(x) x + f(x) - x - 1$$

Sequence: A170728
Score: 14.1816
Type of gen. func.: ogf

$$-\frac{x + 1}{46 x - 1}$$

Sequence: A170728
Score: 14.2722
Type of gen. func.: revogf

$$- 1/2 - 23 x + \frac{(2116 x^2 + 96 x + 1)^{1/2}}{2}$$

Sequence: A170728
Score: 29.3372
Type of gen. func.: lgdogf

$$-\frac{47}{(x + 1) (46 x - 1)}$$

Sequence: A170728
Score: 7.28246
Type of gen. func.: ogf

$$\{a(n + 2) - 46 a(n + 1), a(0) = 1, a(1) = 47\}$$

Sequence: A170729
Score: 11.9507
Type of gen. func.: ogf

$$-47 f(x) x + f(x) - x - 1$$

Sequence: A170729
Score: 13.8180
Type of gen. func.: revogf

$$-\frac{47x}{2}-1/2+\frac{(2209x^2+98x+1)^{1/2}}{2}$$

Sequence: A170729
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x+1}{47x-1}$$

Sequence: A170729
Score: 29.9390
Type of gen. func.: lgdogf

$$-\frac{48}{(x+1)(47x-1)}$$

Sequence: A170729
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n+2)-47a(n+1), a(0)=1, a(1)=48\}$$

Sequence: A170730
Score: 11.9507
Type of gen. func.: ogf

$$-48f(x)x+f(x)-x-1$$

Sequence: A170730
Score: 13.8180
Type of gen. func.: revogf

$$- 1/2 - 24 x + \frac{((1 + 36 x) (64 x + 1))^{1/2}}{2}$$

Sequence: A170730
Score: 14.4667
Type of gen. func.: ogf

$$- \frac{x + 1}{48 x - 1}$$

Sequence: A170730
Score: 29.9390
Type of gen. func.: lgdogf

$$- \frac{49}{(x + 1) (48 x - 1)}$$

Sequence: A170730
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 48 a(n + 1), a(0) = 1, a(1) = 49\}$$

Sequence: A170731
Score: 11.9507
Type of gen. func.: ogf

$$-49 f(x) x + f(x) - x - 1$$

Sequence: A170731
Score: 13.4725
Type of gen. func.: revogf

$$- 1/2 - \frac{49 x}{2} + \frac{(2401 x^2 + 102 x + 1)^{1/2}}{2}$$

Sequence: A170731
Score: 14.4667
Type of gen. func.: ogf

$$-\frac{x + 1}{49 x - 1}$$

Sequence: A170731
Score: 29.9390
Type of gen. func.: lgdogf

$$-\frac{50}{(x + 1) (49 x - 1)}$$

Sequence: A170731
Score: 7.42884
Type of gen. func.: ogf

$$\{a(n + 2) - 49 a(n + 1), a(0) = 1, a(1) = 50\}$$

Sequence: A170732
Score: 15.6299
Type of gen. func.: ogf

$$-12 f(x) x + f(x) - x - 1$$

Sequence: A170732
Score: 18.9204
Type of gen. func.: ogf

$$-\frac{x + 1}{12 x - 1}$$

Sequence: A170732
Score: 20.1998
Type of gen. func.: revogf

$$- 1/2 - 6 x + \frac{(144 x^2 + 28 x + 1)^{1/2}}{2}$$

Sequence: A170732
Score: 39.2773
Type of gen. func.: lgdogf

$$-\frac{13}{(x + 1)\,(12\,x - 1)}$$

Sequence: A170732
Score: 9.71588
Type of gen. func.: ogf

$$\{a(n + 2) - 12\,a(n + 1),\ a(0) = 1,\ a(1) = 13\}$$

Sequence: A170733
Score: 16.0207
Type of gen. func.: ogf

$$-13\,f(x)\,x + f(x) - x - 1$$

Sequence: A170733
Score: 19.0781
Type of gen. func.: revogf

$$-1/2 - \frac{13\,x}{2} + \frac{(169\,x^{2} + 30\,x + 1)^{1/2}}{2}$$

Sequence: A170733
Score: 19.3934
Type of gen. func.: ogf

$$-\frac{x + 1}{13\,x - 1}$$

Sequence: A170733
Score: 40.2759
Type of gen. func.: lgdogf

$$-\frac{14}{(x + 1)\,(13 x - 1)}$$

Sequence: A170733
Score: 9.95878
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1), a(0) = 1, a(1) = 14\}$$

Sequence: A170734
Score: 10.2017
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1), a(0) = 1, a(1) = 15\}$$

Sequence: A170734
Score: 16.4114
Type of gen. func.: ogf

$$-14 f(x) x + f(x) - x - 1$$

Sequence: A170734
Score: 19.8664
Type of gen. func.: ogf

$$-\frac{x + 1}{14 x - 1}$$

Sequence: A170734
Score: 21.2269
Type of gen. func.: revogf

$$-1/2 - 7 x + \frac{(196 x^2 + 32 x + 1)^{1/2}}{2}$$

Sequence: A170734
Score: 41.2745

Type of gen. func.: lgdogf

$$-\frac{15}{(x+1)(14x-1)}$$

Sequence: A170735
Score: 10.4446
Type of gen. func.: ogf

$$\{a(n+2) - 15\,a(n+1),\ a(0) = 1,\ a(1) = 16\}$$

Sequence: A170735
Score: 16.8022
Type of gen. func.: ogf

$$-15\,f(x)\,x + f(x) - x - 1$$

Sequence: A170735
Score: 19.0229
Type of gen. func.: revogf

$$-1/2 - \frac{15x}{2} + \frac{((1+9x)(1+25x))^{1/2}}{2}$$

Sequence: A170735
Score: 20.3394
Type of gen. func.: ogf

$$-\frac{x+1}{15x-1}$$

Sequence: A170735
Score: 42.2731
Type of gen. func.: lgdogf

$$-\frac{16}{(x+1)(15x-1)}$$

Sequence: A170736
Score: 15.2983
Type of gen. func.: ogf

$$-16 f(x) x + f(x) - x - 1$$

Sequence: A170736
Score: 18.5190
Type of gen. func.: ogf

$$-\frac{x + 1}{16 x - 1}$$

Sequence: A170736
Score: 19.7698
Type of gen. func.: revogf

$$- 1/2 - 8 x + \frac{(256 x^2 + 36 x + 1)^{1/2}}{2}$$

Sequence: A170736
Score: 38.4413
Type of gen. func.: lgdogf

$$-\frac{17}{(x + 1) (16 x - 1)}$$

Sequence: A170736
Score: 9.50974
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 17\}$$

Sequence: A170737
Score: 15.5543
Type of gen. func.: ogf

$$-17 f(x) x + f(x) - x - 1$$

Sequence: A170737
Score: 18.5190
Type of gen. func.: revogf

$$- 1/2 - \frac{17 x}{2} + \frac{(289 x^2 + 38 x + 1)^{1/2}}{2}$$

Sequence: A170737
Score: 18.8289
Type of gen. func.: ogf

$$- \frac{x + 1}{17 x - 1}$$

Sequence: A170737
Score: 39.0956
Type of gen. func.: lgdogf

$$- \frac{18}{(x + 1) (17 x - 1)}$$

Sequence: A170737
Score: 9.66891
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1), a(0) = 1, a(1) = 18\}$$

Sequence: A170738
Score: 15.8744
Type of gen. func.: ogf

$$-18 f(x) x + f(x) - x - 1$$

Sequence: A170738
Score: 19.2163
Type of gen. func.: ogf

$$-\frac{x+1}{18x-1}$$

Sequence: A170738
Score: 20.5270
Type of gen. func.: revogf

$$-1/2 - 9x + \frac{(324x^2 + 40x + 1)^{1/2}}{2}$$

Sequence: A170738
Score: 39.9135
Type of gen. func.: lgdogf

$$-\frac{19}{(x+1)(18x-1)}$$

Sequence: A170738
Score: 9.86785
Type of gen. func.: ogf

$$\{a(n+2) - 18\,a(n+1),\ a(0) = 1,\ a(1) = 19\}$$

Sequence: A170739
Score: 16.0664
Type of gen. func.: ogf

$$-19 f(x) x + f(x) - x - 1$$

Sequence: A170739
Score: 19.1389
Type of gen. func.: revogf

$$-1/2 - \frac{19x}{2} + \frac{(361x^2 + 42x + 1)^{1/2}}{2}$$

Sequence: A170739
Score: 19.4488
Type of gen. func.: ogf

$$-\frac{x + 1}{19 x - 1}$$

Sequence: A170739
Score: 40.4043
Type of gen. func.: lgdogf

$$-\frac{20}{(x + 1) (19 x - 1)}$$

Sequence: A170739
Score: 9.98722
Type of gen. func.: ogf

{a(n + 2) - 19 a(n + 1), a(0) = 1, a(1) = 20}

Sequence: A170740
Score: 10.1464
Type of gen. func.: ogf

{a(n + 2) - 20 a(n + 1), a(0) = 1, a(1) = 21}

Sequence: A170740
Score: 16.3224
Type of gen. func.: ogf

$$-20 f(x) x + f(x) - x - 1$$

Sequence: A170740
Score: 19.7587
Type of gen. func.: ogf

$$-\frac{x + 1}{20 x - 1}$$

Sequence: A170740
Score: 20.5293
Type of gen. func.: revogf

$$- 1/2 - 10 x + \frac{(400 x^2 + 44 x + 1)^{1/2}}{2}$$

Sequence: A170740
Score: 41.0586
Type of gen. func.: lgdogf

$$- \frac{21}{(x + 1) (20 x - 1)}$$

Sequence: A170741
Score: 10.2260
Type of gen. func.: ogf

$$\{a(n + 2) - 21 a(n + 1), a(0) = 1, a(1) = 22\}$$

Sequence: A170741
Score: 16.4505
Type of gen. func.: ogf

$$-21 f(x) x + f(x) - x - 1$$

Sequence: A170741
Score: 19.6038
Type of gen. func.: revogf

$$- 1/2 - \frac{21 x}{2} + \frac{(441 x^2 + 46 x + 1)^{1/2}}{2}$$

Sequence: A170741
Score: 19.9137
Type of gen. func.: ogf

$$- \frac{x + 1}{}$$

$$21 x - 1$$

Sequence: A170741
Score: 41.3857
Type of gen. func.: lgdogf

$$- \frac{22}{(x + 1) (21 x - 1)}$$

Sequence: A170742
Score: 10.4647
Type of gen. func.: ogf

$$\{a(n + 2) - 22 a(n + 1), a(0) = 1, a(1) = 23\}$$

Sequence: A170742
Score: 16.8345
Type of gen. func.: ogf

$$-22 f(x) x + f(x) - x - 1$$

Sequence: A170742
Score: 20.3786
Type of gen. func.: ogf

$$- \frac{x + 1}{22 x - 1}$$

Sequence: A170742
Score: 21.1836
Type of gen. func.: revogf

$$- 1/2 - 11 x + \frac{(484 x^2 + 48 x + 1)^{1/2}}{2}$$

Sequence: A170742
Score: 42.3672
Type of gen. func.: lgdogf

$$-\frac{23}{(x + 1) (22 x - 1)}$$

Sequence: A170743
Score: 15.0174
Type of gen. func.: ogf

$$-23 f(x) x + f(x) - x - 1$$

Sequence: A170743
Score: 17.8747
Type of gen. func.: revogf

$$-\frac{23 x}{2} - 1/2 + \frac{(529 x^2 + 50 x + 1)^{1/2}}{2}$$

Sequence: A170743
Score: 18.1789
Type of gen. func.: ogf

$$-\frac{x + 1}{23 x - 1}$$

Sequence: A170743
Score: 37.7354
Type of gen. func.: lgdogf

$$-\frac{24}{(x + 1) (23 x - 1)}$$

Sequence: A170743
Score: 9.33511
Type of gen. func.: ogf

$$\{a(n + 2) - 23 a(n + 1), a(0) = 1, a(1) = 24\}$$

Sequence: A170744
Score: 15.2059
Type of gen. func.: ogf

$$-24 f(x) x + f(x) - x - 1$$

Sequence: A170744
Score: 17.6387
Type of gen. func.: revogf

$$-12 x - 1/2 + \frac{((1 + 16 x) (1 + 36 x))^{1/2}}{2}$$

Sequence: A170744
Score: 18.4071
Type of gen. func.: ogf

$$- \frac{x + 1}{24 x - 1}$$

Sequence: A170744
Score: 38.2171
Type of gen. func.: lgdogf

$$- \frac{25}{(x + 1) (24 x - 1)}$$

Sequence: A170744
Score: 9.45230
Type of gen. func.: ogf

$$\{a(n + 2) - 24 a(n + 1), a(0) = 1, a(1) = 25\}$$

Sequence: A170745
Score: 15.3315
Type of gen. func.: ogf

$$-25 f(x) x + f(x) - x - 1$$

Sequence: A170745
Score: 18.2550
Type of gen. func.: revogf

$$- 1/2 - \frac{25 x}{2} + \frac{(625 x^2 + 54 x + 1)^{1/2}}{2}$$

Sequence: A170745
Score: 18.5592
Type of gen. func.: ogf

$$- \frac{x + 1}{25 x - 1}$$

Sequence: A170745
Score: 38.5383
Type of gen. func.: lgdogf

$$- \frac{26}{(x + 1) (25 x - 1)}$$

Sequence: A170745
Score: 9.53041
Type of gen. func.: ogf

$$\{a(n + 2) - 25 a(n + 1), a(0) = 1, a(1) = 26\}$$

Sequence: A170746
Score: 15.52
Type of gen. func.: ogf

$$-26 f(x) x + f(x) - x - 1$$

Sequence: A170746
Score: 18.7874
Type of gen. func.: ogf

$$x + 1$$

$$-\frac{\quad}{26 x - 1}$$

Sequence: A170746
Score: 19.5100
Type of gen. func.: revogf

$$-13 x - 1/2 + \frac{(676 x^2 + 56 x + 1)^{1/2}}{2}$$

Sequence: A170746
Score: 39.0200
Type of gen. func.: lgdogf

$$-\frac{27}{(x + 1) (26 x - 1)}$$

Sequence: A170746
Score: 9.64758
Type of gen. func.: ogf

$$\{a(n + 2) - 26 a(n + 1), a(0) = 1, a(1) = 27\}$$

Sequence: A170747
Score: 15.7085
Type of gen. func.: ogf

$$-27 f(x) x + f(x) - x - 1$$

Sequence: A170747
Score: 18.7113
Type of gen. func.: revogf

$$-\frac{27 x}{2} - 1/2 + \frac{(729 x^2 + 58 x + 1)^{1/2}}{2}$$

Sequence: A170747

Score: 19.0156
Type of gen. func.: ogf

$$-\frac{x + 1}{27 x - 1}$$

Sequence: A170747
Score: 39.5017
Type of gen. func.: lgdogf

$$-\frac{28}{(x + 1) (27 x - 1)}$$

Sequence: A170747
Score: 9.76476
Type of gen. func.: ogf

$$\{a(n + 2) - 27 a(n + 1), a(0) = 1, a(1) = 28\}$$

Sequence: A170748
Score: 13.9197
Type of gen. func.: ogf

$$-28 f(x) x + f(x) - x - 1$$

Sequence: A170748
Score: 16.8501
Type of gen. func.: ogf

$$-\frac{x + 1}{28 x - 1}$$

Sequence: A170748
Score: 17.4715
Type of gen. func.: revogf

$$-14 x - 1/2 + \frac{(784 x^2 + 60 x + 1)^{1/2}}{2}$$

Sequence: A170748
Score: 34.9429
Type of gen. func.: lgdogf

$$-\frac{29}{(x+1)(28x-1)}$$

Sequence: A170748
Score: 8.65277
Type of gen. func.: ogf

$$\{a(n+2)-28a(n+1), a(0)=1, a(1)=29\}$$

Sequence: A170749
Score: 14.0429
Type of gen. func.: ogf

$$-29 f(x) x + f(x) - x - 1$$

Sequence: A170749
Score: 16.7010
Type of gen. func.: revogf

$$-\frac{29x}{2} - 1/2 + \frac{(841x^2 + 62x + 1)^{1/2}}{2}$$

Sequence: A170749
Score: 16.9993
Type of gen. func.: ogf

$$-\frac{x+1}{29x-1}$$

Sequence: A170749
Score: 35.2577
Type of gen. func.: lgdogf

$$-\frac{\qquad}{(x + 1) (29 x - 1)}$$

Sequence: A170749
Score: 8.72935
Type of gen. func.: ogf

$$\{a(n + 2) - 29 a(n + 1), a(0) = 1, a(1) = 30\}$$

Sequence: A170750
Score: 14.1045
Type of gen. func.: ogf

$$-30 f(x) x + f(x) - x - 1$$

Sequence: A170750
Score: 17.0738
Type of gen. func.: ogf

$$-\frac{x + 1}{30 x - 1}$$

Sequence: A170750
Score: 17.7076
Type of gen. func.: revogf

$$-15 x - 1/2 + \frac{(900 x^2 + 64 x + 1)^{1/2}}{2}$$

Sequence: A170750
Score: 35.4151
Type of gen. func.: lgdogf

$$-\frac{31}{(x + 1) (30 x - 1)}$$

Sequence: A170750
Score: 8.76764

Type of gen. func.: ogf

$$\{a(n+2) - 30\,a(n+1),\ a(0) = 1,\ a(1) = 31\}$$

Sequence: A170751
Score: 14.1045
Type of gen. func.: ogf

$$-31\,f(x)\,x + f(x) - x - 1$$

Sequence: A170751
Score: 16.7756
Type of gen. func.: revogf

$$-\frac{31\,x}{2} - 1/2 + \frac{(961\,x^2 + 66\,x + 1)^{1/2}}{2}$$

Sequence: A170751
Score: 17.0738
Type of gen. func.: ogf

$$-\frac{x+1}{31\,x-1}$$

Sequence: A170751
Score: 35.4151
Type of gen. func.: lgdogf

$$-\frac{32}{(x+1)\,(31\,x-1)}$$

Sequence: A170751
Score: 8.76764
Type of gen. func.: ogf

$$\{a(n+2) - 31\,a(n+1),\ a(0) = 1,\ a(1) = 32\}$$

Sequence: A170752
Score: 14.5972
Type of gen. func.: ogf

$$-32 f(x) x + f(x) - x - 1$$

Sequence: A170752
Score: 17.6703
Type of gen. func.: ogf

$$-\frac{x + 1}{32 x - 1}$$

Sequence: A170752
Score: 17.8416
Type of gen. func.: revogf

$$- 1/2 - 16 x + \frac{(1024 x^2 + 68 x + 1)^{1/2}}{2}$$

Sequence: A170752
Score: 36.6743
Type of gen. func.: lgdogf

$$-\frac{33}{(x + 1) (32 x - 1)}$$

Sequence: A170752
Score: 9.07393
Type of gen. func.: ogf

$$\{a(n + 2) - 32 a(n + 1), a(0) = 1, a(1) = 33\}$$

Sequence: A170753
Score: 14.5972
Type of gen. func.: ogf

$$-33 f(x) x + f(x) - x - 1$$

Sequence: A170753
Score: 16.9266
Type of gen. func.: revogf

$$- 1/2 - \frac{33 x}{2} + \frac{(1089 x^2 + 70 x + 1)^{1/2}}{2}$$

Sequence: A170753
Score: 17.6703
Type of gen. func.: ogf

$$- \frac{x + 1}{33 x - 1}$$

Sequence: A170753
Score: 36.6743
Type of gen. func.: lgdogf

$$- \frac{34}{(x + 1) (33 x - 1)}$$

Sequence: A170753
Score: 9.07393
Type of gen. func.: ogf

$$\{a(n + 2) - 33 a(n + 1), a(0) = 1, a(1) = 34\}$$

Sequence: A170754
Score: 14.5972
Type of gen. func.: ogf

$$-34 f(x) x + f(x) - x - 1$$

Sequence: A170754
Score: 17.6703
Type of gen. func.: ogf

$$- \frac{x + 1}{}$$

$$34 x - 1$$

Sequence: A170754
Score: 17.8416
Type of gen. func.: revogf

$$- 1/2 - 17 x + \frac{(1156 x^2 + 72 x + 1)^{1/2}}{2}$$

Sequence: A170754
Score: 36.6743
Type of gen. func.: lgdogf

$$- \frac{35}{(x + 1) (34 x - 1)}$$

Sequence: A170754
Score: 9.07393
Type of gen. func.: ogf

$$\{a(n + 2) - 34 a(n + 1), a(0) = 1, a(1) = 35\}$$

Sequence: A170755
Score: 12.8383
Type of gen. func.: ogf

$$-35 f(x) x + f(x) - x - 1$$

Sequence: A170755
Score: 14.1334
Type of gen. func.: revogf

$$- \frac{35 x}{2} - 1/2 + \frac{((1 + 25 x) (1 + 49 x))^{1/2}}{2}$$

Sequence: A170755
Score: 15.5411

Type of gen. func.: ogf

$$-\frac{x+1}{35x-1}$$

Sequence: A170755
Score: 32.1929
Type of gen. func.: lgdogf

$$-\frac{36}{(x+1)(35x-1)}$$

Sequence: A170755
Score: 7.98057
Type of gen. func.: ogf

$$\{a(n+2)-35a(n+1), a(0)=1, a(1)=36\}$$

Sequence: A170756
Score: 12.9588
Type of gen. func.: ogf

$$-36 f(x) x + f(x) - x - 1$$

Sequence: A170756
Score: 15.6870
Type of gen. func.: ogf

$$-\frac{x+1}{36x-1}$$

Sequence: A170756
Score: 15.8113
Type of gen. func.: revogf

$$-1/2 - 18x + \frac{(1296x^2 + 76x + 1)^{1/2}}{2}$$

Sequence: A170756
Score: 32.5009
Type of gen. func.: lgdogf

$$-\frac{37}{(x + 1) (36 x - 1)}$$

Sequence: A170756
Score: 8.05550
Type of gen. func.: ogf

$$\{a(n + 2) - 36 a(n + 1), a(0) = 1, a(1) = 37\}$$

Sequence: A170757
Score: 12.9588
Type of gen. func.: ogf

$$-37 f(x) x + f(x) - x - 1$$

Sequence: A170757
Score: 15.0004
Type of gen. func.: revogf

$$- 1/2 - \frac{37 x}{2} + \frac{(1369 x^2 + 78 x + 1)^{1/2}}{2}$$

Sequence: A170757
Score: 15.6870
Type of gen. func.: ogf

$$-\frac{x + 1}{37 x - 1}$$

Sequence: A170757
Score: 32.5009
Type of gen. func.: lgdogf

$$-\frac{38}{}$$

$$(x + 1) (37 x - 1)$$

Sequence: A170757
Score: 8.05550
Type of gen. func.: ogf

$$\{a(n + 2) - 37 a(n + 1), a(0) = 1, a(1) = 38\}$$

Sequence: A170758
Score: 13.0794
Type of gen. func.: ogf

$$-38 f(x) x + f(x) - x - 1$$

Sequence: A170758
Score: 15.8329
Type of gen. func.: ogf

$$- \frac{x + 1}{38 x - 1}$$

Sequence: A170758
Score: 15.9611
Type of gen. func.: revogf

$$- 1/2 - 19 x + \frac{(1444 x^2 + 80 x + 1)^{1/2}}{2}$$

Sequence: A170758
Score: 32.8090
Type of gen. func.: lgdogf

$$- \frac{39}{(x + 1) (38 x - 1)}$$

Sequence: A170758
Score: 8.13043
Type of gen. func.: ogf

$$\{a(n + 2) - 38 a(n + 1), a(0) = 1, a(1) = 39\}$$

Sequence: A170759
Score: 13.1397
Type of gen. func.: ogf

$$-39 f(x) x + f(x) - x - 1$$

Sequence: A170759
Score: 15.2137
Type of gen. func.: revogf

$$-\frac{39 x}{2} - 1/2 + \frac{(1521 x^{2} + 82 x + 1)^{1/2}}{2}$$

Sequence: A170759
Score: 15.9059
Type of gen. func.: ogf

$$-\frac{x + 1}{39 x - 1}$$

Sequence: A170759
Score: 32.9630
Type of gen. func.: lgdogf

$$-\frac{40}{(x + 1) (39 x - 1)}$$

Sequence: A170759
Score: 8.16791
Type of gen. func.: ogf

$$\{a(n + 2) - 39 a(n + 1), a(0) = 1, a(1) = 40\}$$

Sequence: A170760

Score: 13.3205
Type of gen. func.: ogf

$$-40 f(x) x + f(x) - x - 1$$

Sequence: A170760
Score: 16.1248
Type of gen. func.: ogf

$$-\frac{x + 1}{40 x - 1}$$

Sequence: A170760
Score: 16.2609
Type of gen. func.: revogf

$$-20 x - 1/2 + \frac{(1600 x^2 + 84 x + 1)^{1/2}}{2}$$

Sequence: A170760
Score: 33.4251
Type of gen. func.: lgdogf

$$-\frac{41}{(x + 1) (40 x - 1)}$$

Sequence: A170760
Score: 8.28030
Type of gen. func.: ogf

$$\{a(n + 2) - 40 a(n + 1), a(0) = 1, a(1) = 41\}$$

Sequence: A170761
Score: 13.3205
Type of gen. func.: ogf

$$-41 f(x) x + f(x) - x - 1$$

Sequence: A170761
Score: 15.4270
Type of gen. func.: revogf

$$- 1/2 - \frac{41 x}{2} + \frac{(1681 x^2 + 86 x + 1)^{1/2}}{2}$$

Sequence: A170761
Score: 16.1248
Type of gen. func.: ogf

$$- \frac{x + 1}{41 x - 1}$$

Sequence: A170761
Score: 33.4251
Type of gen. func.: lgdogf

$$- \frac{42}{(x + 1) (41 x - 1)}$$

Sequence: A170761
Score: 8.28030
Type of gen. func.: ogf

$$\{a(n + 2) - 41 a(n + 1), a(0) = 1, a(1) = 42\}$$

Sequence: A170762
Score: 13.3808
Type of gen. func.: ogf

$$-42 f(x) x + f(x) - x - 1$$

Sequence: A170762
Score: 16.1978
Type of gen. func.: ogf

$$- \frac{x + 1}{42 x - 1}$$

Sequence: A170762
Score: 16.3358
Type of gen. func.: revogf

$$- 1/2 - 21 x + \frac{(1764 x^2 + 88 x + 1)^{1/2}}{2}$$

Sequence: A170762
Score: 33.5791
Type of gen. func.: lgdogf

$$- \frac{43}{(x + 1) (42 x - 1)}$$

Sequence: A170762
Score: 8.31777
Type of gen. func.: ogf

$$\{a(n + 2) - 42 a(n + 1), a(0) = 1, a(1) = 43\}$$

Sequence: A170763
Score: 13.441
Type of gen. func.: ogf

$$-43 f(x) x + f(x) - x - 1$$

Sequence: A170763
Score: 15.5692
Type of gen. func.: revogf

$$- 1/2 - \frac{43 x}{2} + \frac{(1849 x^2 + 90 x + 1)^{1/2}}{2}$$

Sequence: A170763
Score: 16.2707
Type of gen. func.: ogf

$$-\frac{x+1}{43x-1}$$

Sequence: A170763
Score: 33.7332
Type of gen. func.: lgdogf

$$-\frac{44}{(x+1)(43x-1)}$$

Sequence: A170763
Score: 8.35524
Type of gen. func.: ogf

$$\{a(n+2) - 43\,a(n+1),\ a(0) = 1,\ a(1) = 44\}$$

Sequence: A170764
Score: 13.5616
Type of gen. func.: ogf

$$-44 f(x) x + f(x) - x - 1$$

Sequence: A170764
Score: 16.4167
Type of gen. func.: ogf

$$-\frac{x+1}{44x-1}$$

Sequence: A170764
Score: 16.5606
Type of gen. func.: revogf

$$-1/2 - 22x + \frac{(1936x^2 + 92x + 1)^{1/2}}{2}$$

Sequence: A170764
Score: 34.0412
Type of gen. func.: lgdogf

$$-\frac{45}{(x+1)(44x-1)}$$

Sequence: A170764
Score: 8.43018
Type of gen. func.: ogf

$$\{a(n+2) - 44\, a(n+1),\ a(0) = 1,\ a(1) = 45\}$$

Sequence: A170765
Score: 13.5616
Type of gen. func.: ogf

$$-45 f(x) x + f(x) - x - 1$$

Sequence: A170765
Score: 15.7113
Type of gen. func.: revogf

$$-1/2 - \frac{45x}{2} + \frac{(2025x^2 + 94x + 1)^{1/2}}{2}$$

Sequence: A170765
Score: 16.4167
Type of gen. func.: ogf

$$-\frac{x+1}{45x-1}$$

Sequence: A170765
Score: 34.0412
Type of gen. func.: lgdogf

$$-\frac{46}{(x+1)(45x-1)}$$

Sequence: A170765
Score: 8.43018
Type of gen. func.: ogf

$$\{a(n + 2) - 45 a(n + 1), a(0) = 1, a(1) = 46\}$$

Sequence: A170766
Score: 13.5616
Type of gen. func.: ogf

$$-46 f(x) x + f(x) - x - 1$$

Sequence: A170766
Score: 16.4167
Type of gen. func.: ogf

$$-\frac{x + 1}{46 x - 1}$$

Sequence: A170766
Score: 16.5606
Type of gen. func.: revogf

$$- 1/2 - 23 x + \frac{(2116 x^2 + 96 x + 1)^{1/2}}{2}$$

Sequence: A170766
Score: 34.0412
Type of gen. func.: lgdogf

$$-\frac{47}{(x + 1) (46 x - 1)}$$

Sequence: A170766
Score: 8.43018
Type of gen. func.: ogf

$$\{a(n + 2) - 46 a(n + 1), a(0) = 1, a(1) = 47\}$$

Sequence: A170767
Score: 13.8629
Type of gen. func.: ogf

$$-47 f(x) x + f(x) - x - 1$$

Sequence: A170767
Score: 16.0668
Type of gen. func.: revogf

$$-\frac{47 x}{2} - 1/2 + \frac{(2209 x^2 + 98 x + 1)^{1/2}}{2}$$

Sequence: A170767
Score: 16.7815
Type of gen. func.: ogf

$$-\frac{x + 1}{47 x - 1}$$

Sequence: A170767
Score: 34.8114
Type of gen. func.: lgdogf

$$-\frac{48}{(x + 1) (47 x - 1)}$$

Sequence: A170767
Score: 8.61751
Type of gen. func.: ogf

$$\{a(n + 2) - 47 a(n + 1), a(0) = 1, a(1) = 48\}$$

Sequence: A170768
Score: 13.8629

Type of gen. func.: ogf

$$-48 f(x) x + f(x) - x - 1$$

Sequence: A170768
Score: 16.0668
Type of gen. func.: revogf

$$- 1/2 - 24 x + \frac{((1 + 36 x) (64 x + 1))^{1/2}}{2}$$

Sequence: A170768
Score: 16.7815
Type of gen. func.: ogf

$$- \frac{x + 1}{48 x - 1}$$

Sequence: A170768
Score: 34.8114
Type of gen. func.: lgdogf

$$- \frac{49}{(x + 1) (48 x - 1)}$$

Sequence: A170768
Score: 8.61751
Type of gen. func.: ogf

$$\{a(n + 2) - 48 a(n + 1), a(0) = 1, a(1) = 49\}$$

Sequence: A170769
Score: 13.8629
Type of gen. func.: ogf

$$-49 f(x) x + f(x) - x - 1$$

Sequence: A170769
Score: 15.6651
Type of gen. func.: revogf

$$-1/2-\frac{49\,x}{2}+\frac{(2401\,x^{2}+102\,x+1)^{1/2}}{2}$$

Sequence: A170769
Score: 16.7815
Type of gen. func.: ogf

$$-\frac{x+1}{49\,x-1}$$

Sequence: A170769
Score: 34.8114
Type of gen. func.: lgdogf

$$-\frac{50}{(x+1)\,(49\,x-1)}$$

Sequence: A170769
Score: 8.61751
Type of gen. func.: ogf

$$\{a(n+2)-49\,a(n+1),\ a(0)=1,\ a(1)=50\}$$

Sequence: A170831
Score: 11.2321
Type of gen. func.: ogf

$$-\frac{2\,(x^{4}+2\,x^{3}-x-1)}{(2\,x^{2}-1)\,(2\,x^{3}-1)}$$

Sequence: A170831
Score: 9.69755
Type of gen. func.: lgdogf

$$-\frac{4 x^{8} + 16 x^{7} + 2 x^{6} - 12 x^{5} - 16 x^{4} + 2 x^{2} + 4 x + 1}{(2 x^{2} - 1) (2 x^{3} - 1) (x^{4} + 2 x^{3} - x - 1)}$$

Sequence: A170832
Score: 11.3769
Type of gen. func.: ogf

$$-\frac{3 (x^{4} + 3 x^{3} - x - 1)}{(3 x^{2} - 1) (3 x^{3} - 1)}$$

Sequence: A170832
Score: 9.16930
Type of gen. func.: lgdogf

$$-\frac{9 x^{8} + 54 x^{7} + 3 x^{6} - 30 x^{5} - 36 x^{4} + 2 x^{3} + 3 x^{2} + 6 x + 1}{(3 x^{2} - 1) (3 x^{3} - 1) (x^{4} + 3 x^{3} - x - 1)}$$

Sequence: A170833
Score: 10.6760
Type of gen. func.: ogf

$$-\frac{4 (x^{4} + 4 x^{3} - x - 1)}{(2 x + 1) (2 x - 1) (4 x^{3} - 1)}$$

Sequence: A170833
Score: 8.11046
Type of gen. func.: lgdogf

$$-\frac{16 x^{8} + 128 x^{7} + 4 x^{6} - 56 x^{5} - 64 x^{4} + 4 x^{3} + 4 x^{2} + 8 x + 1}{(2 x + 1) (2 x - 1) (x^{4} + 4 x^{3} - x - 1) (4 x^{3} - 1)}$$

Sequence: A170834

Score: 10.5309
Type of gen. func.: ogf

$$-\frac{5\,(x^4+5\,x^3-x-1)}{(5\,x^2-1)\,(5\,x^3-1)}$$

Sequence: A170834
Score: 8.34496
Type of gen. func.: lgdogf

$$-\frac{25\,x^8+250\,x^7+5\,x^6-90\,x^5-100\,x^4+6\,x^3+5\,x^2+10\,x+1}{(5\,x^2-1)\,(5\,x^3-1)\,(x^4+5\,x^3-x-1)}$$

Sequence: A170836
Score: 12.3068
Type of gen. func.: ogf

$$-f(x)\,(12\,x^3+f(x)\,x+3\,x^2-f(x)+x)$$

Sequence: A170836
Score: 18.7064
Type of gen. func.: ogf

$$-\frac{x\,(12\,x^2+3\,x+1)}{x-1}$$

Sequence: A170836
Score: 24.9311
Type of gen. func.: lgdogf

$$\frac{4\,(3\,x^2-6\,x-1)}{(x-1)\,(12\,x^2+3\,x+1)}$$

Sequence: A170836

Score: 9.74292
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 3), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 16\}$$

Sequence: A170837
Score: 13.8960
Type of gen. func.: ogf

$$\frac{x (12 x^2 + 3 x + 1)}{(x - 1)^2}$$

Sequence: A170837
Score: 26.4686
Type of gen. func.: lgdogf

$$- \frac{5 + 27 x}{(x - 1) (12 x^2 + 3 x + 1)}$$

Sequence: A170837
Score: 7.06990
Type of gen. func.: ogf

$$\{-a(n + 4) + 2 a(n + 3) - a(n + 2), a(0) = 0, a(1) = 1, a(2) = 5, a(3) = 21\}$$

Sequence: A170837
Score: 7.6759
Type of gen. func.: ogf

$$-(352 f(x) + 27) (f(x) x^2 - 12 x^3 - 2 f(x) x - 3 x^2 + f(x) - x)$$

Sequence: A170881
Score: 11.6027
Type of gen. func.: ogf

$$- \frac{x^3 + x^2 - 2 x + 1}{\quad^2}$$

$$(x - 1) (2 x - 1)$$

Sequence: A170881
Score: 15.1293
Type of gen. func.: lgdogf

$$-\frac{6 x^{3} - 10 x^{2} + 8 x - 3}{(2 x - 1) (x - 1) (x^{3} + x^{2} - 2 x + 1)}$$

Sequence: A170881
Score: 6.01944
Type of gen. func.: ogf

$$\{a(n + 4) - 5 a(n + 3) + 8 a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 8, a(3) = 21\}$$

Sequence: A170881
Score: 6.6164
Type of gen. func.: ogf

$$(-11 + 42 f(x)) (4 f(x) x^{3} - 8 f(x) x^{2} + x^{3} + 5 f(x) x + x^{2} - f(x) - 2 x + 1)$$

Sequence: A170930
Score: 10.3471
Type of gen. func.: ogf

$$-3 f(x) x^{2} - 3 f(x) x + f(x) - 21 x$$

Sequence: A170930
Score: 14.2191
Type of gen. func.: revogf

$$\frac{-3 x - 21 + (x^{2} + 6 x + 21)^{1/2} \, 21^{1/2}}{6 x}$$

Sequence: A170930
Score: 16.3376
Type of gen. func.: ogf

$$-\frac{21 x}{3 x^2 + 3 x - 1}$$

Sequence: A170930
Score: 25.4759
Type of gen. func.: lgdogf

$$-\frac{3 (2 x + 1)}{3 x^2 + 3 x - 1}$$

Sequence: A170930
Score: 7.57106
Type of gen. func.: ogf

{-a(n + 2) + 3 a(n + 1) + 3 a(n), a(0) = 0, a(1) = 21}

Sequence: A170931
Score: 13.3258
Type of gen. func.: ogf

$$\frac{2 (2 x - 1)}{4 x^2 + 4 x - 1}$$

Sequence: A170931
Score: 15.0589
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^2 - 4 x - 1)}{(2 x - 1) (4 x^2 + 4 x - 1)}$$

Sequence: A170931
Score: 7.05485

Type of gen. func.: ogf

$$(5 f(x) - 9) (4 f(x) x^2 + 4 f(x) x - f(x) - 4 x + 2)$$

Sequence: A170931
Score: 7.31295
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 4 a(n), a(0) = 2, a(1) = 4\}$$

Sequence: A170932
Score: 4.89126
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (70 + 7 n) a(n + 1), a(0) = 1, a(1) = 63\}$$

Sequence: A170932
Score: 42.2820
Type of gen. func.: lgdogf

$$- \frac{63}{7 x - 1}$$

Sequence: A170933
Score: 4.44419
Type of gen. func.: ogf

$$-(77 f(x) + 393)$$

$$(f(x) x^4 - f(x) x^3 + f(x) x^2 + 5 x^3 - 2 f(x) x + f(x) + 6 x - 7)$$

Sequence: A170933
Score: 8.75957
Type of gen. func.: ogf

$$- \frac{5 x^3 + 6 x - 7}{(x - 1) (x^3 + x - 1)}$$

Sequence: A170933
Score: 8.94224
Type of gen. func.: lgdogf

$$-\frac{5 x^{6} + 13 x^{4} - 20 x^{3} + 12 x^{2} - 14 x + 8}{(x - 1) (5 x^{3} + 6 x - 7) (x^{3} + x - 1)}$$

Sequence: A170934
Score: 10.4849
Type of gen. func.: ogf

$$-\frac{3 x^{3} - x^{2} + 4 x - 4}{(x - 1) (x^{3} + x - 1)}$$

Sequence: A170934
Score: 10.7079
Type of gen. func.: lgdogf

$$-\frac{3 x^{6} - 2 x^{5} + 10 x^{4} - 12 x^{3} + 5 x^{2} - 6 x + 4}{(x - 1) (3 x^{3} - x^{2} + 4 x - 4) (x^{3} + x - 1)}$$

Sequence: A170934
Score: 5.6065
Type of gen. func.: ogf

$-(11 f(x) - 171)$

$$(f(x) x^{4} - f(x) x^{3} + f(x) x^{2} + 3 x^{3} - 2 f(x) x - x^{2} + f(x) + 4 x - 4)$$

Sequence: A170935
Score: 12.8034
Type of gen. func.: ogf

$$\frac{1}{(x^{3} - x^{2} - 1) (x^{3} + 2 x^{2} + x - 1)}$$

Sequence: A170935
Score: 13.4117
Type of gen. func.: lgdogf

$$-\frac{6x^5+5x^4-4x^3-9x^2-2x-1}{(x^3-x^2-1)(x^3+2x^2+x-1)}$$

Sequence: A170938
Score: 10.9845
Type of gen. func.: lgdogf

$$-\frac{88x^4-160x^3+111x^2-34x+4}{(x-1)(2x-1)(4x-1)(11x^2-10x+2)}$$

Sequence: A170938
Score: 12.2179
Type of gen. func.: ogf

$$-\frac{2(11x^2-10x+2)}{(x-1)(2x-1)(4x-1)}$$

Sequence: A170938
Score: 6.57095
Type of gen. func.: ogf

$$-(f(x)-13)(8f(x)x^3-14f(x)x^2+7f(x)x+22x^2-f(x)-20x+4)$$

Sequence: A170938
Score: 6.85916
Type of gen. func.: ogf

{-a(n + 3) + 7 a(n + 2) - 14 a(n + 1) + 8 a(n), a(0) = 4, a(1) = 8, a(2) = 22}

Sequence: A170939
Score: 11.6008
Type of gen. func.: lgdogf

$$-\frac{56 x^4 - 80 x^3 + 45 x^2 - 14 x + 2}{(x - 1) (2 x - 1) (4 x - 1) (7 x^2 - 5 x + 1)}$$

Sequence: A170939
Score: 12.1670
Type of gen. func.: ogf

$$-\frac{2 (7 x^2 - 5 x + 1)}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A170939
Score: 6.48904
Type of gen. func.: ogf

$$-(25 f(x) - 17) (8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x + 14 x^2 - f(x) - 10 x + 2)$$

Sequence: A170939
Score: 6.83058
Type of gen. func.: ogf

{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 8 a(n), a(0) = 2, a(1) = 4, a(2) = 14}

Sequence: A170940
Score: 12.6609
Type of gen. func.: ogf

$$\frac{2 x (8 x - 5)}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A170940
Score: 12.9310
Type of gen. func.: lgdogf

$$-\frac{128 x^3 - 232 x^2 + 140 x - 27}{(8 x - 5) (x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A170940
Score: 6.54875
Type of gen. func.: ogf

$$-(27 f(x) + 50) (8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x - 16 x^2 - f(x) + 10 x)$$

Sequence: A170940
Score: 6.66365
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) - 14 a(n + 1) + 8 a(n), a(0) = 0, a(1) = 10, a(2) = 54\}$$

Sequence: A170955
Score: 11.5615
Type of gen. func.: ogf

$$\frac{80 x + 1}{(10 x - 1) (x - 1)}$$

Sequence: A170955
Score: 12.0753
Type of gen. func.: revogf

$$-\frac{-1 - 11 x + (81 x^2 + 342 x + 1)^{1/2}}{20 (-8 + x)}$$

Sequence: A170955
Score: 12.3498
Type of gen. func.: lgdogf

$$-\frac{(20 x + 7) (40 x - 13)}{(x - 1) (80 x + 1) (10 x - 1)}$$

Sequence: A170955
Score: 5.96722
Type of gen. func.: ogf

$$(981 f(x) + 7300) (10 f(x) x^2 - 11 f(x) x + f(x) - 80 x - 1)$$

Sequence: A170955
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 91\}$$

Sequence: A171005
Score: 12.4276
Type of gen. func.: egf]

$$- \frac{x - 4}{(x - 1)^4}$$

Sequence: A171005
Score: 35.5194
Type of gen. func.: lgdegf]

$$- \frac{3 (-5 + x)}{(x - 1) (x - 4)}$$

Sequence: A171005
Score: 4.38199
Type of gen. func.: ogf

$$\{(-3 n^2 - 18 n - 24) a(n + 1) + (-4 n^2 - 33 n - 65) a(n + 2)$$

$$+ (4 n + 12) a(n + 3), a(0) = 4, a(1) = 15, a(2) = 72\}$$

Sequence: A171005
Score: 5.83143
Type of gen. func.: egf]

$$(27972 f(x) + 124363)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + f(x) + x - 4)$$

Sequence: A171064
Score: 10.1410
Type of gen. func.: ogf

$$-\frac{x (x - 1) (x + 1)}{x^4 - x^3 - 7 x^2 - x + 1}$$

Sequence: A171064
Score: 10.3060
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - x^4 - 4 x^3 + 4 x^2 + 12 x + 1}{(x - 1) (x + 1) (x^4 - x^3 - 7 x^2 - x + 1)}$$

Sequence: A171064
Score: 5.14975
Type of gen. func.: ogf

$$(84 f(x) - 103) (f(x) x^4 - f(x) x^3 - 7 f(x) x^2 + x^3 - f(x) x + f(x) - x)$$

Sequence: A171065
Score: 4.97693
Type of gen. func.: ogf

$$(36 f(x) - 41) (f(x) x^4 - f(x) x^3 - 8 f(x) x^2 + x^3 - f(x) x + f(x) - x)$$

Sequence: A171065
Score: 9.72417
Type of gen. func.: ogf

$$-\frac{x (x - 1) (x + 1)}{x^4 - x^3 - 8 x^2 - x + 1}$$

Sequence: A171065
Score: 9.87773
Type of gen. func.: lgdogf

$$-\frac{2x^5 - x^4 - 4x^3 + 4x^2 + 14x + 1}{(x - 1)(x + 1)(x^4 - x^3 - 8x^2 - x + 1)}$$

Sequence: A171066
Score: 10.1753
Type of gen. func.: ogf

$$-\frac{x(x - 1)(x + 1)}{x^4 - x^3 - 9x^2 - x + 1}$$

Sequence: A171066
Score: 10.3432
Type of gen. func.: lgdogf

$$-\frac{2x^5 - x^4 - 4x^3 + 4x^2 + 16x + 1}{(x - 1)(x + 1)(x^4 - x^3 - 9x^2 - x + 1)}$$

Sequence: A171066
Score: 5.12708
Type of gen. func.: ogf

$$(450 f(x) - 493)(f(x) x^4 - f(x) x^3 - 9 f(x) x^2 + x^3 - f(x) x + f(x) - x)$$

Sequence: A171067
Score: 4.80355
Type of gen. func.: ogf

$$(825 f(x) - 883)(f(x) x^4 - f(x) x^3 - 10 f(x) x^2 + x^3 - f(x) x + f(x) - x)$$

Sequence: A171067
Score: 9.17621
Type of gen. func.: lgdogf

$$-\frac{2x^5 - x^4 - 4x^3 + 4x^2 + 18x + 1}{(x - 1)(x + 1)(x^2 + 3x + 1)(x^2 - 4x + 1)}$$

Sequence: A171067
Score: 9.46156
Type of gen. func.: ogf

$$-\frac{x(x - 1)(x + 1)}{(x^2 + 3x + 1)(x^2 - 4x + 1)}$$

Sequence: A171068
Score: 4.9026
Type of gen. func.: ogf

$$(462 f(x) - 487)(f(x) x^4 - f(x) x^3 - 11 f(x) x^2 + x^3 - f(x) x + f(x) - x)$$

Sequence: A171068
Score: 9.65664
Type of gen. func.: ogf

$$-\frac{x(x - 1)(x + 1)}{x^4 - x^3 - 11x^2 - x + 1}$$

Sequence: A171068
Score: 9.80753
Type of gen. func.: lgdogf

$$-\frac{2x^5 - x^4 - 4x^3 + 4x^2 + 20x + 1}{(x - 1)(x + 1)(x^4 - x^3 - 11x^2 - x + 1)}$$

Sequence: A171069
Score: 10.0087
Type of gen. func.: lgdogf

$$-\frac{2x^5 - x^4 - 4x^3 + 4x^2 + 22x + 1}{(x - 1)(x + 1)(x^4 - x^3 - 12x^2 - x + 1)}$$

Sequence: A171069
Score: 4.92586
Type of gen. func.: ogf

$$(1092 f(x) - 1139)(f(x) x^4 - f(x) x^3 - 12 f(x) x^2 + x^3 - f(x) x + f(x) - x)$$

Sequence: A171069
Score: 9.85173
Type of gen. func.: ogf

$$-\frac{x (x - 1)(x + 1)}{x^4 - x^3 - 12x^2 - x + 1}$$

Sequence: A171074
Score: 3.22621
Type of gen. func.: ogf

$$4 f(x)^2 x^4 - 9 f(x)^2 x^3 - 8 f(x) x^4 + 6 f(x)^2 x^2 + 10 f(x) x^3 + 4 x^4 - f(x)^2 x$$
$$- 10 f(x) x^2 - x^3 + 10 f(x) x + 8 x^2 - 2 f(x) - x + 2$$

Sequence: A171088
Score: 13.2596
Type of gen. func.: ogf

$$\frac{x^3 - 3x^2 + 2x + 1}{(x^2 + x + 1)(x - 1)^2}$$

Sequence: A171088
Score: 14.0912
Type of gen. func.: lgdogf

$$-\frac{x^5 - 5 x^4 + 4 x^3 + 6 x^2 - 3 x + 3}{(x - 1) (x^2 + x + 1) (x^3 - 3 x^2 + 2 x + 1)}$$

Sequence: A171088
Score: 5.61294
Type of gen. func.: ogf

$$\{(n + 6) a(n + 1) + a(n + 2) + a(n + 3) + (-n - 5) a(n + 4), a(0) = 1, a(1) = 3, a(2) = 0, a(3) = 2\}$$

Sequence: A171088
Score: 7.31927
Type of gen. func.: ogf

$$-(23 f(x) + 60) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x + 3 x^2 + f(x) - 2 x - 1)$$

Sequence: A171089
Score: 10.8372
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 8 x^3 - 13 x^2 + 8 x + 2}{(x + 1) (x^2 - 3 x + 1) (2 x^2 + 4 x - 3)}$$

Sequence: A171089
Score: 12.4204
Type of gen. func.: ogf

$$-\frac{2 (2 x^2 + 4 x - 3)}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A171089

Score: 6.53139
Type of gen. func.: ogf

$$-(7 f(x) - 18) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + 4 x^2 + f(x) + 8 x - 6)$$

Sequence: A171089
Score: 6.70480
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 6, a(1) = 4, a(2) = 16\}$$

Sequence: A171108
Score: 18.3035
Type of gen. func.: lgdogf

$$-\frac{3 (11 x^2 - 46 x - 25)}{(x - 1) (11 x^2 - 40 x - 7)}$$

Sequence: A171108
Score: 8.52526
Type of gen. func.: ogf

$$\frac{3 x^2 (11 x^2 - 40 x - 7)}{(x - 1)^5}$$

Sequence: A171126
Score: 6.65786
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (2 x^8 + x^7 + 5 x^6 + 3 x^5 - 4 x^4 + 3 x^3 + 5 x^2 + x + 2)}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A171129
Score: 16.4061
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 21 x^2 + 36 x + 1}{(x - 1) (x^3 + 6 x^2 + 6 x - 1)}$$

Sequence: A171129
Score: 4.07435
Type of gen. func.: ogf

$$\{(-35 n^2 - 129 n - 118) a(n + 1) + (-26 n^2 - 384 n - 412) a(n + 2) + (61 n^2 + 129 n + 14) a(n + 3), a(0) = 0, a(1) = -1, a(2) = 1\}$$

Sequence: A171129
Score: 8.37257
Type of gen. func.: ogf

$$-\frac{x (x^3 + 6 x^2 + 6 x - 1)}{(x - 1)^5}$$

Sequence: A171141
Score: 13.2558
Type of gen. func.: ogf

$$\frac{8 x^2 + 27 x + 6}{(x + 1) (x - 1)^2}$$

Sequence: A171141
Score: 16.1211
Type of gen. func.: lgdogf

$$-\frac{8 x^3 + 62 x^2 + 61 x + 33}{(x - 1) (x + 1) (8 x^2 + 27 x + 6)}$$

Sequence: A171141
Score: 6.52269
Type of gen. func.: ogf

$$-(40549 f(x) - 6828340) (f(x) x^3 - f(x) x^2 - f(x) x - 8 x^2 + f(x) - 27 x - 6)$$

Sequence: A171141
Score: 7.20928
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 6, a(1) = 33, a(2) = 47\}$$

Sequence: A171148
Score: 2.86304
Type of gen. func.: ogf

$$(13831873 f(x) - 14600919)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 3130 x^2 - f(x) - 464 x + 7)$$

Sequence: A171148
Score: 3.13572
Type of gen. func.: ogf

$$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 7, a(1) = 313,$$

$$a(2) = 30103\}$$

Sequence: A171148
Score: 5.33920
Type of gen. func.: ogf

$$-\frac{3130 x^2 - 464 x + 7}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A171155
Score: 20.5583
Type of gen. func.: lgdogf

$$x^3 - x^2 - x - 1$$

$$- \frac{}{(x - 1) (x^3 + x^2 + 3 x - 1)}$$

Sequence: A171155
Score: 9.3492
Type of gen. func.: ogf

$$-f(x)^2 x^3 - f(x)^2 x^2 - 3 f(x)^2 x + f(x)^2 + x - 1$$

Sequence: A171160
Score: 17.4048
Type of gen. func.: ogf

$$- \frac{x + 3}{(x + 1) (2 x - 1)}$$

Sequence: A171160
Score: 19.7239
Type of gen. func.: revogf

$$\frac{-x - 3 + (9 x^2 + 10 x + 9)^{1/2}}{2 (2 x + 1)}$$

Sequence: A171160
Score: 22.6245
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 + 6 x + 2)}{(x + 3) (2 x - 1) (x + 1)}$$

Sequence: A171160
Score: 8.9002
Type of gen. func.: ogf

$$(99 f(x) - 233) (2 f(x) x^2 + f(x) x - f(x) + x + 3)$$

Sequence: A171160
Score: 9.55144
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 2 a(n), a(0) = 3, a(1) = 4\}$$

Sequence: A171181
Score: 6.06281
Type of gen. func.: ogf

$$x^{2} (9 x^{19} + x^{18} + x^{16} + x^{14} + x^{12} + x^{10} + x^{8} + x^{6} + x^{4} + x^{2} + 1) / ((x^{2} + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x^{8} - x^{6} + x^{4} - x^{2} + 1) (x - 1)^{2} (x + 1)^{2})$$

Sequence: A171182
Score: 12.7447
Type of gen. func.: ogf

$$- \frac{x (2 x^{2} + 2 x + 1)}{(x - 1) (x^{2} + x + 1) (x + 1)}$$

Sequence: A171182
Score: 14.3041
Type of gen. func.: lgdogf

$$- \frac{4 x^{5} + 8 x^{4} + 8 x^{3} + 5 x^{2} + 4 x + 1}{(x - 1) (x + 1) (x^{2} + x + 1) (2 x^{2} + 2 x + 1)}$$

Sequence: A171182
Score: 6.96139
Type of gen. func.: ogf

$$-(f(x) + 1) (f(x) x^{4} + f(x) x^{3} + 2 x^{3} - f(x) x + 2 x^{2} - f(x) + x)$$

Sequence: A171199
Score: 14.9168
Type of gen. func.: revogf

$$-\frac{-1 + (4 x^3 - 8 x^2 + 4 x + 1)^{1/2}}{2 (x - 1)}$$

Sequence: A171199
Score: 9.91209
Type of gen. func.: ogf

$$f(x)^2 x - f(x) x^2 - f(x) + x + 1$$

Sequence: A171216
Score: 4.38236
Type of gen. func.: ogf

$$-(390069621 f(x) - 105516032)$$

$$(1024 f(x) x^2 - 1025 f(x) x + f(x) + 1024 x - 373)$$

Sequence: A171216
Score: 5.35111
Type of gen. func.: ogf

$$\{a(n + 2) - 1025 a(n + 1) + 1024 a(n), a(0) = 373, a(1) = 381301\}$$

Sequence: A171216
Score: 9.07777
Type of gen. func.: ogf

$$-\frac{1024 x - 373}{(1024 x - 1) (x - 1)}$$

Sequence: A171218
Score: 10.5623
Type of gen. func.: ogf

$$\frac{2 x (x^2 + 1)}{(x + 1) (x - 1)^4}$$

Sequence: A171218
Score: 18.9941
Type of gen. func.: lgdogf

$$- \frac{3 x^3 + 3 x^2 + 7 x + 3}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A171218
Score: 26.4214
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^3 + 2 x + 3]$$

Sequence: A171219
Score: 13.7453
Type of gen. func.: ogf

$$- \frac{64 x^{28} + 36 x^{10} + 16 x^2 + 5}{x - 1}$$

Sequence: A171220
Score: 12.1104
Type of gen. func.: ogf

$$\frac{5 x + 1}{(5 x - 1)^2}$$

Sequence: A171220
Score: 14.6633
Type of gen. func.: revogf

$$-\frac{-1 - 10 x + (1 + 40 x)^{1/2}}{10 (5 x - 1)}$$

Sequence: A171220
Score: 21.4310
Type of gen. func.: lgdogf

$$-\frac{5 (3 + 5 x)}{(5 x - 1) (5 x + 1)}$$

Sequence: A171220
Score: 6.39538
Type of gen. func.: ogf

$$(16 f(x) + 65) (25 f(x) x^2 - 10 f(x) x + f(x) - 5 x - 1)$$

Sequence: A171220
Score: 6.69634
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 25 a(n), a(0) = 1, a(1) = 15\}$$

Sequence: A171226
Score: 4.65327
Type of gen. func.: ogf

$$-(505417 f(x) - 54936393)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 9190 x^2 - f(x) - 1190 x + 19)$$

Sequence: A171226
Score: 5.20287
Type of gen. func.: ogf

$$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 19, a(1) = 919,$$

$$a(2) = 90109\}$$

Sequence: A171226
Score: 8.69426
Type of gen. func.: ogf

$$-\frac{9190 x^2 - 1190 x + 19}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A171231
Score: 11.8684
Type of gen. func.: ogf

$$-\frac{3 x^2 - 2}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A171231
Score: 12.9953
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^4 - 3 x^2 - x + 2)}{(x - 1) (2 x - 1) (x + 1) (3 x^2 - 2)}$$

Sequence: A171231
Score: 6.04014
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - a(n + 1) + 2 a(n), a(0) = 2, a(1) = 4, a(2) = 7\}$$

Sequence: A171231
Score: 6.14996
Type of gen. func.: ogf

$$(33 f(x) + 109) (2 f(x) x^3 - f(x) x^2 - 2 f(x) x + 3 x^2 + f(x) - 2)$$

Sequence: A171237
Score: 13.1182
Type of gen. func.: lgdogf

$$-\frac{2x^4 - 2x^3 + 10x^2 - 4x - 3}{(x - 1)(2x^2 - x + 2)(x^2 + x - 1)}$$

Sequence: A171237
Score: 14.1312
Type of gen. func.: ogf

$$\frac{2x^2 - x + 2}{(x - 1)(x^2 + x - 1)}$$

Sequence: A171237
Score: 7.3427
Type of gen. func.: ogf

$$-(127 f(x) + 1638)(f(x) x^3 - 2 f(x) x - 2x^2 + f(x) + x - 2)$$

Sequence: A171237
Score: 7.96762
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n), a(0) = 2, a(1) = 3, a(2) = 8\}$$

Sequence: A171248
Score: 4.76852
Type of gen. func.: ogf

$$(53352893 f(x) - 72993024)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 3230 x^2 - f(x) - 565 x + 8)$$

Sequence: A171248
Score: 5.22267
Type of gen. func.: ogf

$$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 8, a(1) = 323,$$

$$a(2) = 30203\}$$

Sequence: A171248
Score: 8.89265
Type of gen. func.: ogf

$$-\frac{3230 x^2 - 565 x + 8}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A171270
Score: 10.8425
Type of gen. func.: lgdogf

$$-\frac{84 x^3 - 131 x^2 + 66 x - 11}{(x - 1) (3 x - 1) (2 x - 1) (7 x - 3)}$$

Sequence: A171270
Score: 11.6833
Type of gen. func.: ogf

$$\frac{7 x - 3}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A171270
Score: 5.48609
Type of gen. func.: ogf

{a(n + 3) - 6 a(n + 2) + 11 a(n + 1) - 6 a(n), a(0) = 3, a(1) = 11, a(2) = 33}

Sequence: A171270
Score: 5.68378
Type of gen. func.: ogf

$$-(14 f(x) + 321) (6 f(x) x^3 - 11 f(x) x^2 + 6 f(x) x - f(x) - 7 x + 3)$$

Sequence: A171272
Score: 11.1651

Type of gen. func.: ogf

$$\frac{3 x^{3} + 11 x^{2} + x + 1}{(x - 1)^{4}}$$

Sequence: A171272
Score: 18.2112
Type of gen. func.: lgdogf

$$- \frac{(3 x + 1) (x^{2} + 10 x + 5)}{(x - 1) (3 x^{3} + 11 x^{2} + x + 1)}$$

Sequence: A171272
Score: 6.04776
Type of gen. func.: ogf

$\{-a(n + 4) + 4 a(n + 3) - 6 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 1, a(1) = 5,$

$a(2) = 25, a(3) = 77\}$

Sequence: A171272
Score: 6.09005
Type of gen. func.: ogf

$$(282 f(x) + 1171) (f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 3 x^{3} - 4 f(x) x - 11 x^{2} + f(x) - x - 1)$$

Sequence: A171371
Score: 14.8917
Type of gen. func.: ogf

$$\frac{2 (15 x - 4)}{8 x^{2} + 6 x - 1}$$

Sequence: A171371
Score: 15.2918

Type of gen. func.: revogf

$$\frac{-4 - 3 x + (17 x^2 - 6 x + 16)^{1/2}}{2 (-15 + 4 x)}$$

Sequence: A171371
Score: 16.4107
Type of gen. func.: lgdogf

$$-\frac{120 x^2 - 64 x - 9}{(15 x - 4) (8 x^2 + 6 x - 1)}$$

Sequence: A171371
Score: 7.36578
Type of gen. func.: ogf

$$-(59 f(x) - 391) (8 f(x) x^2 + 6 f(x) x - f(x) - 30 x + 8)$$

Sequence: A171371
Score: 8.25322
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) + 8 a(n), a(0) = 8, a(1) = 18\}$$

Sequence: A171372
Score: 10.8075
Type of gen. func.: lgdogf

$$-\frac{5 (x^4 + x^3 + 3 x^2 + x + 1) (x^4 + x^3 - x^2 + x + 1)}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (5 x^4 + 5 x^3 + 5 x^2 + 5 x + 1)}$$

Sequence: A171372
Score: 15.2507
Type of gen. func.: ogf

4 3 2

```
                  5 x  + 5 x  + 5 x  + 5 x + 1
               - ------------------------------
                           4    3    2
                 (x - 1) (x  + x  + x  + x + 1)
```

Sequence: A171373
Score: 7.19808
Type of gen. func.: lgdogf

```
            8       7       6       5       3       2
     2 (x  + 12 x  - 32 x  + 34 x  - 28 x  + 29 x  - 14 x + 3)
  - -----------------------------------------------------------
                4      3      2                 4      3      2
   (2 x - 1) (x  - 2 x  + 4 x  - 3 x + 1) (x  + 6 x  - 4 x  + x + 1)
```

Sequence: A171373
Score: 8.02593
Type of gen. func.: ogf

```
                     4      3      2
                    x  + 6 x  - 4 x  + x + 1
             - ----------------------------------------
                             4      3      2
                 (2 x - 1) (x  - 2 x  + 4 x  - 3 x + 1)
```

Sequence: A171375
Score: 4.7004
Type of gen. func.: ogf

```
(988535999 f(x) - 270967859)

               3               2                         2
    (1000 f(x) x  - 1110 f(x) x  + 111 f(x) x + 1310 x  - f(x) - 424 x + 5)
```

Sequence: A171375
Score: 5.22267
Type of gen. func.: ogf

```
{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 5, a(1) = 131,

    a(2) = 10301}
```

Sequence: A171375
Score: 8.89265
Type of gen. func.: ogf

$$-\frac{1310 x^2 - 424 x + 5}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A171382
Score: 16.0840
Type of gen. func.: ogf

$$\frac{4 x - 3}{(x + 1) (2 x - 1)}$$

Sequence: A171382
Score: 18.7707
Type of gen. func.: revogf

$$\frac{-x - 3 + (9 x^2 - 10 x + 9)^{1/2}}{4 (-2 + x)}$$

Sequence: A171382
Score: 19.2781
Type of gen. func.: lgdogf

$$-\frac{8 x^2 - 12 x + 1}{(4 x - 3) (2 x - 1) (x + 1)}$$

Sequence: A171382
Score: 7.86714
Type of gen. func.: ogf

$$-(81 f(x) - 242) (2 f(x) x^2 + f(x) x - f(x) - 4 x + 3)$$

Sequence: A171382
Score: 8.82656
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - 2 a(n), a(0) = 3, a(1) = -1\}$$

Sequence: A171386
Score: 138.954
Type of gen. func.: lgdogf

$$\frac{1}{x + 1}$$

Sequence: A171386
Score: 16.5141
Type of gen. func.: ogf

$$-x^2 - x + f(x)$$

Sequence: A171386
Score: 24.3278
Type of gen. func.: ogf_with_Euler_transform]

[1 - x]

Sequence: A171386
Score: 46.3180
Type of gen. func.: revegf]

$$\frac{2 x}{1 + (2 x + 1)^{1/2}}$$

Sequence: A171386
Score: 7.87594
Type of gen. func.: ogf

{-a(n + 3), a(0) = 0, a(1) = 1, a(2) = 1}

Sequence: A171389
Score: 10.1553
Type of gen. func.: revegf]

$$1/2 \ln(2 x + 19) + \operatorname{arctanh}((42 x + 400)^{1/2}) - 1/2 \ln(19) - \operatorname{arctanh}(20)$$

Sequence: A171389
Score: 13.8960
Type of gen. func.: ogf

$$-\frac{19 x - 20}{(2 x - 1) (x - 1)}$$

Sequence: A171389
Score: 15.2329
Type of gen. func.: lgdogf

$$-\frac{38 x^2 - 80 x + 41}{(19 x - 20) (x - 1) (2 x - 1)}$$

Sequence: A171389
Score: 7.2568
Type of gen. func.: ogf

$$(43 f(x) + 821) (2 f(x) x^2 - 3 f(x) x + f(x) + 19 x - 20)$$

Sequence: A171389
Score: 7.77513
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 20, a(1) = 41\}$$

Sequence: A171390
Score: 10.3090
Type of gen. func.: revegf]

$$1/2 \ln(2 x + 35) + \operatorname{arctanh}((74 x + 1296)^{1/2}) - 1/2 \ln(35) - \operatorname{arctanh}(36)$$

Sequence: A171390
Score: 14.3214
Type of gen. func.: ogf

$$-\frac{35 x - 36}{(2 x - 1) (x - 1)}$$

Sequence: A171390
Score: 15.7089
Type of gen. func.: lgdogf

$$-\frac{70 x^2 - 144 x + 73}{(x - 1) (2 x - 1) (35 x - 36)}$$

Sequence: A171390
Score: 7.39676
Type of gen. func.: ogf

$$(75 f(x) + 2629) (2 f(x) x^2 - 3 f(x) x + f(x) + 35 x - 36)$$

Sequence: A171390
Score: 8.01314
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 36, a(1) = 73\}$$

Sequence: A171397
Score: 6.54440
Type of gen. func.: ogf

$$\frac{x (2 x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A171408
Score: 11.2130
Type of gen. func.: ogf

$$\frac{4 (2 x^2 - 2 x + 1)}{x^4 - 2 x^3 + 4 x^2 - 3 x + 1}$$

Sequence: A171408
Score: 11.7840
Type of gen. func.: lgdogf

$$-\frac{(2x-1)(2x^4-4x^3+4x^2-2x+1)}{(2x^2-2x+1)(x^4-2x^3+4x^2-3x+1)}$$

Sequence: A171408
Score: 6.3942
Type of gen. func.: ogf

$$f(x)\,(f(x)\,x^4-2\,f(x)\,x^3+4\,f(x)\,x^2-3\,f(x)\,x-8\,x^2+f(x)+8\,x-4)$$

Sequence: A171410
Score: 2.90515
Type of gen. func.: ogf

(15705921 f(x) - 935441)

$$(1000\,f(x)\,x^3-1110\,f(x)\,x^2+111\,f(x)\,x+1510\,x^2-f(x)-626\,x+7)$$

Sequence: A171410
Score: 3.13572
Type of gen. func.: ogf

{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 7, a(1) = 151,

a(2) = 10501}

Sequence: A171410
Score: 5.33920
Type of gen. func.: ogf

$$-\frac{1510x^2-626x+7}{(x-1)(100x-1)(10x-1)}$$

Sequence: A171415
Score: 13.5058
Type of gen. func.: ogf

$$\frac{x}{x^2 - 99 x + 1}$$

Sequence: A171415
Score: 19.6208
Type of gen. func.: lgdogf

$$-\frac{-99 + 2 x}{x^2 - 99 x + 1}$$

Sequence: A171415
Score: 5.59995
Type of gen. func.: ogf

$$\{a(n + 2) - 99 a(n + 1) + a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A171415
Score: 7.65327
Type of gen. func.: ogf

$$-f(x) x^2 + 99 f(x) x - f(x) + x$$

Sequence: A171415
Score: 9.60169
Type of gen. func.: revogf

$$-\frac{-1 - 99 x + (1 + 101 x)^{1/2} (97 x + 1)^{1/2}}{2 x}$$

Sequence: A171416
Score: 11.2286
Type of gen. func.: ogf

$$-f(x)^2 x^2 - f(x) x^2 + f(x) - x - 1$$

Sequence: A171416
Score: 16.5159
Type of gen. func.: revogf

$$\frac{-1 - x^2 + (x^4 + 6 x^2 + 4 x + 1)^{1/2}}{2 (x + 1)}$$

Sequence: A171418
Score: 14.9543
Type of gen. func.: ogf

$$- \frac{(x + 1)^4}{x - 1}$$

Sequence: A171418
Score: 43.2942
Type of gen. func.: ogf_with_Euler_transform]

$$[5 - 4 x]$$

Sequence: A171418
Score: 44.7581
Type of gen. func.: lgdogf

$$\frac{-5 + 3 x}{(x - 1) (x + 1)}$$

Sequence: A171418
Score: 6.75714
Type of gen. func.: ogf

$\{(n + 3) a(n + 3) - 5 a(n + 2) + (2 - n) a(n + 1), a(0) = 1, a(1) = 5,$

$a(2) = 11\}$

Sequence: A171418
Score: 9.03182
Type of gen. func.: ogf

$$-(7423 f(x) + 5248) (x^4 + 4 x^3 + f(x) x + 6 x^2 - f(x) + 4 x + 1)$$

Sequence: A171440
Score: 12.6258
Type of gen. func.: ogf

$$-\frac{(x + 1)^5}{x - 1}$$

Sequence: A171440
Score: 39.9745
Type of gen. func.: lgdogf

$$\frac{2 (-3 + 2 x)}{(x - 1) (x + 1)}$$

Sequence: A171440
Score: 42.5427
Type of gen. func.: ogf_with_Euler_transform]

$$[6 - 5 x]$$

Sequence: A171440
Score: 6.64025
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) - 6 a(n + 2) + (3 - n) a(n + 1), a(0) = 1, a(1) = 6, a(2) = 16\}$$

Sequence: A171441
Score: 11.2054
Type of gen. func.: ogf

$$(x + 1)^6$$

```
                                   - ---------
                                      x - 1



------------------------------------------------------------------------------

Sequence:  A171441
Score: 42.5427
Type of gen. func.: ogf_with_Euler_transform]


                                   [7 - 6 x]



------------------------------------------------------------------------------

Sequence:  A171441
Score: 43.9720
Type of gen. func.: lgdogf


                                   -7 + 5 x
                                ---------------
                                (x - 1) (x + 1)



------------------------------------------------------------------------------

Sequence:  A171441
Score: 6.64025
Type of gen. func.: ogf


{(n + 3) a(n + 3) - 7 a(n + 2) + (4 - n) a(n + 1), a(0) = 1, a(1) = 7,

    a(2) = 22}



------------------------------------------------------------------------------

Sequence:  A171442
Score: 36.8154
Type of gen. func.: lgdogf


                                 2 (-4 + 3 x)
                                ---------------
                                (x - 1) (x + 1)



------------------------------------------------------------------------------

Sequence:  A171442
Score: 39.1361
Type of gen. func.: ogf_with_Euler_transform]


                                   [8 - 7 x]



------------------------------------------------------------------------------

Sequence:  A171442
Score: 6.11719
Type of gen. func.: ogf
```

{(n + 3) a(n + 3) - 8 a(n + 2) + (5 - n) a(n + 1), a(0) = 1, a(1) = 8,

a(2) = 29}

Sequence: A171442
Score: 9.27888
Type of gen. func.: ogf

$$-\frac{(x+1)^7}{x-1}$$

Sequence: A171443
Score: 39.3242
Type of gen. func.: ogf_with_Euler_transform]

[9 - 8 x]

Sequence: A171443
Score: 40.6955
Type of gen. func.: lgdogf

$$\frac{-9+7x}{(x-1)(x+1)}$$

Sequence: A171443
Score: 6.14660
Type of gen. func.: ogf

{(n + 3) a(n + 3) - 9 a(n + 2) + (6 - n) a(n + 1), a(0) = 1, a(1) = 9,

a(2) = 37}

Sequence: A171443
Score: 8.46726
Type of gen. func.: ogf

$$-\frac{(x+1)^8}{x-1}$$

```
------------------------------------------------------------------------------

Sequence:  A171445
Score: 27.9903
Type of gen. func.: ogf_with_Euler_transform]

                                  [25 - 24 x]


------------------------------------------------------------------------------

Sequence:  A171445
Score: 29.0267
Type of gen. func.: lgdogf

                                  -25 + 23 x
                                ---------------
                                (x - 1) (x + 1)


------------------------------------------------------------------------------

Sequence:  A171445
Score: 4.68791
Type of gen. func.: ogf


{(n + 3) a(n + 3) - 25 a(n + 2) + (22 - n) a(n + 1), a(0) = 1, a(1) = 25,

    a(2) = 301}


------------------------------------------------------------------------------

Sequence:  A171449
Score: 10.9709
Type of gen. func.: ogf

                  {a(n + 2) - 2 a(n + 1), a(0) = -1, a(1) = 2}


------------------------------------------------------------------------------

Sequence:  A171449
Score: 12.5382
Type of gen. func.: ogf

                       -f(x) (2 f(x) x - f(x) + 4 x - 1)


------------------------------------------------------------------------------

Sequence:  A171449
Score: 21.3488
Type of gen. func.: ogf

                                     4 x - 1
                                   - -------
                                     2 x - 1
```

Sequence: A171449
Score: 22.9213
Type of gen. func.: revogf

$$1/8 - x/4 - \frac{(4 x^2 + 12 x + 1)^{1/2}}{8}$$

Sequence: A171449
Score: 41.0171
Type of gen. func.: lgdogf

$$- \frac{2}{(4 x - 1) (2 x - 1)}$$

Sequence: A171450
Score: 4.44928
Type of gen. func.: ogf

$$-10 f(x)^2 x^3 + 10 f(x)^2 x^2 + 2 f(x) x^3 - 2 f(x)^2 x + 3 f(x) x^2 - 5 f(x) x - 6 x^2 + f(x) + 6 x - 1$$

Sequence: A171452
Score: 10.6718
Type of gen. func.: ogf

$$- \frac{x^2 (2 x + 1)}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A171452
Score: 18.4944
Type of gen. func.: lgdogf

$$- \frac{8 x^3 + 9 x^2 + 6 x + 4}{2}$$

$$(x - 1) (2 x + 1) (x + x + 1)$$

Sequence: A171461
Score: 3.13572
Type of gen. func.: ogf

$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 8, a(1) = 161,$

$a(2) = 10601\}$

Sequence: A171461
Score: 5.33920
Type of gen. func.: ogf

$$-\frac{1610 x^2 - 727 x + 8}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A171461
Score: 5.48534
Type of gen. func.: ogf

$$(494817037 f(x) + 24574568)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 1610 x^2 - f(x) - 727 x + 8)$$

Sequence: A171463
Score: 17.1067
Type of gen. func.: ogf

$$-\frac{2 x^2 - 2 x - 1}{(x - 1)^2}$$

Sequence: A171463
Score: 30.6740
Type of gen. func.: lgdogf

$$-\frac{2 (-2 + x)}{(x - 1) (2 x^2 - 2 x - 1)}$$

Sequence: A171463
Score: 8.88876
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 4, a(2) = 5\}$$

Sequence: A171463
Score: 9.74896
Type of gen. func.: ogf

$$(f(x) + 7) (f(x) x^2 - 2 f(x) x + 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A171470
Score: 10.2960
Type of gen. func.: lgdogf

$$- \frac{6 (12 x - 5) (4 x - 3)}{(20 x - 11) (4 x - 1) (2 x - 1) (4 x + 1)}$$

Sequence: A171470
Score: 10.3296
Type of gen. func.: ogf

$$- \frac{(4 x + 1) (20 x - 11)}{(4 x - 1) (2 x - 1)}$$

Sequence: A171470
Score: 5.45716
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 8 a(n + 1), a(0) = 11, a(1) = 90, a(2) = 372\}$$

Sequence: A171470
Score: 5.84302
Type of gen. func.: ogf

2 2

$$(17 f(x) + 488) (8 f(x) x - 6 f(x) x + 80 x + f(x) - 24 x - 11)$$

Sequence: A171471
Score: 4.23210
Type of gen. func.: ogf

$$\{a(n + 4) - 7 a(n + 3) + 14 a(n + 2) - 8 a(n + 1), a(0) = 35, a(1) = 225, a(2) = 837, a(3) = 3213\}$$

Sequence: A171471
Score: 4.4202
Type of gen. func.: ogf

$$(10667 f(x) + 576164) (8 f(x) x^3 - 14 f(x) x^2 + 224 x^3 + 7 f(x) x - 248 x^2 - f(x) - 20 x + 35)$$

Sequence: A171471
Score: 6.71894
Type of gen. func.: lgdogf

$$- \frac{9 (128 x^4 - 384 x^3 + 392 x^2 - 164 x + 25)}{(x - 1) (4 x - 1) (2 x - 1) (224 x^3 - 248 x^2 - 20 x + 35)}$$

Sequence: A171471
Score: 7.85166
Type of gen. func.: ogf

$$- \frac{224 x^3 - 248 x^2 - 20 x + 35}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A171472
Score: 13.0361
Type of gen. func.: ogf

$$- \frac{12 x - 7}{(4 x - 1) (2 x - 1)}$$

Sequence: A171472
Score: 13.0511
Type of gen. func.: lgdogf

$$- \frac{2 (12 x - 5) (4 x - 3)}{(12 x - 7) (2 x - 1) (4 x - 1)}$$

Sequence: A171472
Score: 13.6581
Type of gen. func.: revogf

$$- \frac{-7 - 6 x + (4 x^2 + 36 x + 49)^{1/2}}{8 (3 + 2 x)}$$

Sequence: A171472
Score: 6.73778
Type of gen. func.: ogf

$$(17 f(x) + 106) (8 f(x) x^2 - 6 f(x) x + f(x) + 12 x - 7)$$

Sequence: A171472
Score: 7.22484
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 8 a(n), a(0) = 7, a(1) = 30\}$$

Sequence: A171473
Score: 4.60274
Type of gen. func.: ogf

$$(372483 f(x) + 4213196)$$

$$(8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x + 72 x^2 - f(x) - 110 x + 35)$$

Sequence: A171473
Score: 4.95380
Type of gen. func.: ogf

$\{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 8 a(n), a(0) = 35, a(1) = 135,$

$a(2) = 527\}$

Sequence: A171473
Score: 7.15462
Type of gen. func.: lgdogf

$$-\frac{576 x^4 - 1760 x^3 + 1876 x^2 - 836 x + 135}{(x - 1) (4 x - 1) (2 x - 1) (72 x^2 - 110 x + 35)}$$

Sequence: A171473
Score: 8.85679
Type of gen. func.: ogf

$$-\frac{72 x^2 - 110 x + 35}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A171475
Score: 12.5420
Type of gen. func.: ogf

$$-\frac{(x - 1) (x + 1)}{(4 x - 1) (2 x - 1)}$$

Sequence: A171475
Score: 13.6821
Type of gen. func.: lgdogf

$$-\frac{6 (x^2 - 3 x + 1)}{(x - 1) (4 x - 1) (2 x - 1) (x + 1)}$$

Sequence: A171475
Score: 5.96656
Type of gen. func.: ogf

$\{-a(n+3) + 6\,a(n+2) - 8\,a(n+1),\ a(0) = 1,\ a(1) = 6,\ a(2) = 27\}$

Sequence: A171475
Score: 6.75337
Type of gen. func.: ogf

$$(49 f(x) + 79) (8 f(x) x^2 - 6 f(x) x + x^2 + f(x) - 1)$$

Sequence: A171476
Score: 16.2707
Type of gen. func.: revogf

$$-\frac{-1 - 6 x + (4 x^2 + 12 x + 1)^{1/2}}{16 x}$$

Sequence: A171476
Score: 18.6229
Type of gen. func.: ogf

$$\frac{1}{(4 x - 1) (2 x - 1)}$$

Sequence: A171476
Score: 20.7591
Type of gen. func.: lgdogf

$$-\frac{2 (-3 + 8 x)}{(4 x - 1) (2 x - 1)}$$

Sequence: A171476
Score: 7.49459
Type of gen. func.: ogf

$\{-a(n+2) + 6\,a(n+1) - 8\,a(n),\ a(0) = 1,\ a(1) = 6\}$

Sequence: A171476
Score: 7.58712

Type of gen. func.: ogf

$$(5 f(x) + 4) (8 f(x) x^2 - 6 f(x) x + f(x) - 1)$$

Sequence: A171477
Score: 16.1725
Type of gen. func.: lgdogf

$$- \frac{24 x^2 - 28 x + 7}{(2 x - 1) (4 x - 1) (x - 1)}$$

Sequence: A171477
Score: 16.5026
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A171477
Score: 5.50086
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 7, a(2) = 35\}$$

Sequence: A171477
Score: 6.0298
Type of gen. func.: ogf

$$(381 f(x) - 136) (8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x - f(x) + 1)$$

Sequence: A171478
Score: 11.6129
Type of gen. func.: ogf

$$- \frac{x + 1}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A171478
Score: 12.0501
Type of gen. func.: lgdogf

$$-\frac{2(8x^3+5x^2-14x+4)}{(x-1)(4x-1)(2x-1)(x+1)}$$

Sequence: A171478
Score: 5.50086
Type of gen. func.: ogf

$$\{a(n+3)-7a(n+2)+14a(n+1)-8a(n),\ a(0)=1,\ a(1)=8,\ a(2)=42\}$$

Sequence: A171478
Score: 5.7009
Type of gen. func.: ogf

$$(9203 f(x)-4628)(8 f(x) x^3-14 f(x) x^2+7 f(x) x-f(x)+x+1)$$

Sequence: A171479
Score: 10.1145
Type of gen. func.: ogf

$$-\frac{x^2+x+1}{(x-1)(2x-1)(4x-1)}$$

Sequence: A171479
Score: 10.2426
Type of gen. func.: lgdogf

$$-\frac{8x^4+16x^3+3x^2-26x+8}{(2x-1)(4x-1)(x-1)(x^2+x+1)}$$

Sequence: A171479
Score: 5.40602
Type of gen. func.: ogf

$$(974 f(x) - 441) (8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x + x^2 - f(x) + x + 1)$$

Sequence: A171479
Score: 5.50086
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 8, a(2) = 43\}$$

Sequence: A171480
Score: 10.2662
Type of gen. func.: ogf

$$- \frac{(x + 1)^2}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A171480
Score: 12.4793
Type of gen. func.: lgdogf

$$- \frac{8 x^3 + 24 x^2 - 35 x + 9}{(x - 1) (4 x - 1) (2 x - 1) (x + 1)}$$

Sequence: A171480
Score: 5.30421
Type of gen. func.: ogf

$$(62554 f(x) - 39585) (8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x + x^2 - f(x) + 2 x + 1)$$

Sequence: A171480
Score: 5.58337
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 9, a(2) = 50\}$$

Sequence: A171483
Score: 5.08725
Type of gen. func.: ogf

$$- x (10 x^{27} + 10 x^{23} + 10 x^{19} + x^{18} + x^{17} + x^{16} - 100 x^{15} - 10 x^{11} - 10 x^{7} - 10 x^{3} - x^{2} - x - 1) / ((x + 1) (x^{2} + 1) (x^{4} + 1) (x^{8} + 1) (x - 1)^{2})$$

Sequence: A171494
Score: 14.6664
Type of gen. func.: ogf

$$-2 f(x) x + f(x) - 4 x - 6$$

Sequence: A171494
Score: 17.8376
Type of gen. func.: ogf

$$- \frac{2 (3 + 2 x)}{2 x - 1}$$

Sequence: A171494
Score: 19.0153
Type of gen. func.: revogf

$$- 3/4 - x/4 + \frac{((9 + x) (x + 1))^{1/2}}{4}$$

Sequence: A171494
Score: 34.0275
Type of gen. func.: lgdogf

$$- \frac{8}{(3 + 2 x) (2 x - 1)}$$

Sequence: A171494
Score: 9.04097
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1), a(0) = 6, a(1) = 16\}$$

Sequence: A171495
Score: 14.7353
Type of gen. func.: ogf

$$-\frac{2 (x - 3)}{(3 x - 1) (x - 1)}$$

Sequence: A171495
Score: 17.5733
Type of gen. func.: revogf

$$-\frac{-3 - 2 x + ((9 + x) (x + 1))^{1/2}}{2 + 3 x}$$

Sequence: A171495
Score: 17.5733
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 18 x + 11}{(x - 1) (3 x - 1) (x - 3)}$$

Sequence: A171495
Score: 7.62171
Type of gen. func.: ogf

$$(13 f(x) + 43) (3 f(x) x^2 - 4 f(x) x + f(x) + 2 x - 6)$$

Sequence: A171495
Score: 7.98902
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 3 a(n), a(0) = 6, a(1) = 22\}$$

Sequence: A171496
Score: 11.0811
Type of gen. func.: revegf]

$$\frac{1}{4}\ln(x+1)+\frac{1}{2}\operatorname{arctanh}\left((9+8x)^{1/2}\right)-\frac{1}{2}\operatorname{arctanh}(3)$$

Sequence: A171496
Score: 13.3258
Type of gen. func.: ogf

$$-\frac{2(4x-3)}{(4x-1)(2x-1)}$$

Sequence: A171496
Score: 13.6581
Type of gen. func.: lgdogf

$$-\frac{2(16x^2-24x+7)}{(4x-3)(2x-1)(4x-1)}$$

Sequence: A171496
Score: 6.97282
Type of gen. func.: ogf

$$(9f(x)+44)(8f(x)x^2-6f(x)x+f(x)+8x-6)$$

Sequence: A171496
Score: 7.22484
Type of gen. func.: ogf

$$\{-a(n+2)+6a(n+1)-8a(n),\ a(0)=6,\ a(1)=28\}$$

Sequence: A171497
Score: 14.9653
Type of gen. func.: ogf

$$-2f(x)x+f(x)-2x-3$$

Sequence: A171497
Score: 17.3640
Type of gen. func.: revogf

$$- 3/4 - x/2 + \frac{((2 x + 9) (2 x + 1))^{1/2}}{4}$$

Sequence: A171497
Score: 18.2010
Type of gen. func.: ogf

$$- \frac{3 + 2 x}{2 x - 1}$$

Sequence: A171497
Score: 34.7280
Type of gen. func.: lgdogf

$$- \frac{8}{(3 + 2 x) (2 x - 1)}$$

Sequence: A171497
Score: 9.35331
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1), a(0) = 3, a(1) = 8\}$$

Sequence: A171498
Score: 13.9485
Type of gen. func.: revogf

$$- \frac{-3 - 4 x + ((2 x + 9) (2 x + 1))^{1/2}}{2 (3 x + 1)}$$

Sequence: A171498
Score: 14.2346
Type of gen. func.: ogf

$$-\frac{x - 3}{(3 x - 1) (x - 1)}$$

Sequence: A171498
Score: 16.9644
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 18 x + 11}{(x - 1) (3 x - 1) (x - 3)}$$

Sequence: A171498
Score: 7.36272
Type of gen. func.: ogf

$$(26 f(x) + 43) (3 f(x) x^2 - 4 f(x) x + f(x) + x - 3)$$

Sequence: A171498
Score: 7.71755
Type of gen. func.: ogf

{-a(n + 2) + 4 a(n + 1) - 3 a(n), a(0) = 3, a(1) = 11}

Sequence: A171499
Score: 11.2542
Type of gen. func.: revegf]

$$1/4 \ln(2 x + 1) + 1/2 \operatorname{arctanh}((16 x + 9)^{1/2}) - 1/2 \operatorname{arctanh}(3)$$

Sequence: A171499
Score: 14.2839
Type of gen. func.: ogf

$$-\frac{4 x - 3}{(4 x - 1) (2 x - 1)}$$

Sequence: A171499
Score: 15.0056
Type of gen. func.: lgdogf

$$-\frac{2\,(16\,x^2-24\,x+7)}{(4\,x-3)\,(2\,x-1)\,(4\,x-1)}$$

Sequence: A171499
Score: 7.47414
Type of gen. func.: ogf

$$(9\,f(x)+22)\,(8\,f(x)\,x^2-6\,f(x)\,x+f(x)+4\,x-3)$$

Sequence: A171499
Score: 7.74428
Type of gen. func.: ogf

$$\{-a(n+2)+6\,a(n+1)-8\,a(n),\ a(0)=3,\ a(1)=14\}$$

Sequence: A171501
Score: 13.0849
Type of gen. func.: ogf

$$-\frac{(4\,x+1)\,x}{(2\,x+1)\,(x-1)}$$

Sequence: A171501
Score: 18.4527
Type of gen. func.: lgdogf

$$-\frac{8\,x^2+4\,x+3}{(x-1)\,(2\,x+1)\,(4\,x+1)}$$

Sequence: A171501
Score: 18.9653
Type of gen. func.: revogf

$$x-1+(9\,x^2+14\,x+1)^{1/2}$$

$$\frac{}{4 (x + 2)}$$

Sequence: A171501
Score: 6.34814
Type of gen. func.: ogf

$$\{a(n + 3) + a(n + 2) - 2 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 3\}$$

Sequence: A171501
Score: 7.54307
Type of gen. func.: ogf

$$-f(x) (2 f(x) x^2 - f(x) x + 4 x^2 - f(x) + x)$$

Sequence: A171507
Score: 11.6012
Type of gen. func.: ogf

$$- \frac{x^2 (3 x + 1)}{(x + 1) (2 x - 1) (x - 1)^2}$$

Sequence: A171507
Score: 15.5575
Type of gen. func.: lgdogf

$$- \frac{2 (9 x^3 + 4 x^2 - 2 x - 3)}{(x - 1) (2 x - 1) (3 x + 1) (x + 1)}$$

Sequence: A171507
Score: 4.08410
Type of gen. func.: ogf

$$\{(8 n + 18) a(n + 1) + (-4 n - 1) a(n + 2) + (-8 n - 14) a(n + 3)$$

$$+ (4 n + 5) a(n + 4), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 6\}$$

Sequence: A171507
Score: 6.01868
Type of gen. func.: ogf

$$(128 f(x) - 237) (2 f(x) x^4 - 3 f(x) x^3 - f(x) x^2 + 3 x^3 + 3 f(x) x + x^2 - f(x))$$

Sequence: A171510
Score: 14.7222
Type of gen. func.: lgdogf

$$- \frac{19 x^2 - 4 x - 1}{(19 x - 2) (x^2 + 10 x - 1)}$$

Sequence: A171510
Score: 15.1201
Type of gen. func.: revogf

$$\frac{-1 - 5 x + (26 x^2 - 9 x + 1)^{1/2}}{-19 + x}$$

Sequence: A171510
Score: 15.2226
Type of gen. func.: ogf

$$\frac{19 x - 2}{x^2 + 10 x - 1}$$

Sequence: A171510
Score: 7.86223
Type of gen. func.: ogf

$$(290 f(x) - 579) (f(x) x^2 + 10 f(x) x - f(x) - 19 x + 2)$$

Sequence: A171510

Score: 8.62002
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) + a(n), a(0) = 2, a(1) = 1\}$$

Sequence: A171513
Score: 2.72319
Type of gen. func.: ogf

$$-(1759634151 f(x) + 474298009)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 1810 x^2 - f(x) - 929 x + 10)$$

Sequence: A171513
Score: 3.13060
Type of gen. func.: ogf

$$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 10, a(1) = 181, a(2) = 10801\}$$

Sequence: A171513
Score: 5.30115
Type of gen. func.: ogf

$$-\frac{1810 x^2 - 929 x + 10}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A171516
Score: 15.1386
Type of gen. func.: ogf

$$\frac{2 x^2 + 1}{(x - 1) (x^2 + x - 1)}$$

Sequence: A171516
Score: 15.4778
Type of gen. func.: lgdogf

$$-\frac{2x^4+7x^2-4x-2}{(x-1)(2x^2+1)(x^2+x-1)}$$

Sequence: A171516
Score: 7.89137
Type of gen. func.: ogf

$$-(4f(x)-67)(f(x)x^3-2f(x)x-2x^2+f(x)-1)$$

Sequence: A171516
Score: 7.89137
Type of gen. func.: ogf

$$\{-a(n+3)+2a(n+2)-a(n),\ a(0)=1,\ a(1)=2,\ a(2)=6\}$$

Sequence: A171520
Score: 5.43957
Type of gen. func.: ogf

$$-\frac{x^{25}-x^{24}+x^{13}-x^{12}+x^5-x^4+x^2-x-1}{(x-1)^2}$$

Sequence: A171522
Score: 5.88446
Type of gen. func.: ogf

$$-\frac{x(x^8+4x^6+16x^5+190x^4+64x^3+180x^2+16x+9)}{(x-1)^5(x+1)^5}$$

Sequence: A171522
Score: 5.92837
Type of gen. func.: ogf

$$\{(-n^2-10n-25)a(n+1)+(n^2+2n+1)a(n+3),\ a(0)=0,\ a(1)=9,$$

a(2) = 16}

Sequence: A171522
Score: 6.31911
Type of gen. func.: lgdogf

$$-\frac{2 (x^9 + 12 x^7 + 40 x^6 + 582 x^5 + 264 x^4 + 1100 x^3 + 168 x^2 + 225 x + 8)}{(x - 1) (x + 1) (x^8 + 4 x^6 + 16 x^5 + 190 x^4 + 64 x^3 + 180 x^2 + 16 x + 9)}$$

Sequence: A171526
Score: 11.1772
Type of gen. func.: lgdogf

$$\frac{4 x^4 - 11 x^3 + 9 x^2 - x + 1}{(x - 1) (2 x^4 - 3 x^3 + x - 1)}$$

Sequence: A171526
Score: 5.21603
Type of gen. func.: ogf

$$-(28 f(x) + 571) (2 x^4 + f(x) x^2 - 3 x^3 - 2 f(x) x + f(x) + x - 1)$$

Sequence: A171526
Score: 9.23493
Type of gen. func.: ogf

$$-\frac{2 x^4 - 3 x^3 + x - 1}{(x - 1)^2}$$

Sequence: A171552
Score: 3.76955
Type of gen. func.: ogf

{-8 a(n) n - 4 a(n + 1) - 2 a(n + 2) + (n - 1) a(n + 3), a(0) = 1, a(1) = 2,

a(2) = 0, a(3) = -8, a(4) = -16}

Sequence: A171552
Score: 5.15495
Type of gen. func.: ogf

$$(f(x) + 2) (16 f(x) x^4 - 8 f(x) x^3 + 16 x^3 - 2 f(x) x + 4 x^2 + f(x) - 1)$$

Sequence: A171552
Score: 9.00191
Type of gen. func.: ogf

$$-\frac{16 x^3 + 4 x^2 - 1}{(4 x^2 + 2 x + 1) (2 x - 1)^2}$$

Sequence: A171552
Score: 9.26625
Type of gen. func.: lgdogf

$$-\frac{2 (2 x + 1) (4 x^2 + 1) (8 x^2 + 4 x - 1)}{(2 x - 1) (4 x^2 + 2 x + 1) (16 x^3 + 4 x^2 - 1)}$$

Sequence: A171553
Score: 4.46462
Type of gen. func.: ogf

$$-(8908536791 f(x) + 3384155329)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 1910 x^2 - f(x) - 1030 x + 11)$$

Sequence: A171553
Score: 5.20287
Type of gen. func.: ogf

$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 11, a(1) = 191,$

$a(2) = 10901\}$

Sequence: A171553
Score: 8.69426
Type of gen. func.: ogf

$$-\frac{1910 x^2 - 1030 x + 11}{(x - 1)(100 x - 1)(10 x - 1)}$$

Sequence: A171556
Score: 3.77061
Type of gen. func.: ogf

$$\{(4 n^2 + 14 n + 12) a(n + 1) + (-5 n^2 - 19 n - 16) a(n + 2) + (n^2 + 5 n + 4) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 4\}$$

Sequence: A171556
Score: 5.32673
Type of gen. func.: ogf

$$f(x)^2 x^3 - 2 f(x)^2 x^2 + f(x)^2 x - 7 f(x) x^2 + 10 f(x) x + 9 x^2 - 3 f(x) - 8 x + 3$$

Sequence: A171557
Score: 3.26384
Type of gen. func.: ogf

$$\{(108 n + 189) a(n + 1) + 36 a(n + 2) + 12 a(n + 3) + (-4 n - 3) a(n + 4), a(0) = 1, a(1) = 3, a(2) = -9, a(3) = -81\}$$

Sequence: A171557
Score: 4.50095
Type of gen. func.: ogf

$$-(8 f(x) + 91) (81 f(x) x^4 - 27 f(x) x^3 + 81 x^3 - 3 f(x) x + 18 x^2 + f(x) - 1)$$

Sequence: A171557
Score: 7.36651
Type of gen. func.: lgdogf

$$-\frac{3\,(729\,x^{5}+567\,x^{4}+135\,x^{3}+63\,x^{2}+9\,x-1)}{(3\,x-1)\,(9\,x^{2}+3\,x+1)\,(81\,x^{3}+18\,x^{2}-1)}$$

Sequence: A171557
Score: 8.08865
Type of gen. func.: ogf

$$-\frac{81\,x^{3}+18\,x^{2}-1}{(9\,x^{2}+3\,x+1)\,(3\,x-1)^{2}}$$

Sequence: A171559
Score: 10.9709
Type of gen. func.: ogf

$$\{a(n+2)-2\,a(n+1),\ a(0)=3,\ a(1)=2\}$$

Sequence: A171559
Score: 17.5534
Type of gen. func.: ogf

$$-2\,f(x)\,x+f(x)+4\,x-3$$

Sequence: A171559
Score: 21.3488
Type of gen. func.: ogf

$$\frac{4\,x-3}{2\,x-1}$$

Sequence: A171559
Score: 23.5091
Type of gen. func.: revogf

2   1/2

$$3/8 + x/4 - \frac{(4 x \quad - 4 x + 9)}{8}$$

Sequence: A171559
Score: 45.6352
Type of gen. func.: lgdogf

$$\frac{2}{(2 x - 1) (4 x - 3)}$$

Sequence: A171583
Score: 2.81975
Type of gen. func.: ogf

$$(436705819 f(x) - 568522137)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 3430 x^2 - f(x) - 767 x + 10)$$

Sequence: A171583
Score: 3.13060
Type of gen. func.: ogf

$$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 10, a(1) = 343,$$

$$a(2) = 30403\}$$

Sequence: A171583
Score: 5.30115
Type of gen. func.: ogf

$$- \frac{3430 x^2 - 767 x + 10}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A171590
Score: 10.1530
Type of gen. func.: ogf

$$- \frac{32 x^2 - 22 x - 1}{(x - 1) (2 x + 1) (4 x - 1)}$$

Sequence: A171590
Score: 5.46702
Type of gen. func.: ogf

$$(227 f(x) + 376) (8 f(x) x^3 - 6 f(x) x^2 - 3 f(x) x + 32 x^2 + f(x) - 22 x - 1)$$

Sequence: A171590
Score: 5.61088
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + 6 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 25, a(2) = 49\}$$

Sequence: A171590
Score: 8.70969
Type of gen. func.: lgdogf

$$- \frac{256 x^4 - 352 x^3 + 204 x^2 - 52 x + 25}{(x - 1) (2 x + 1) (4 x - 1) (32 x^2 - 22 x - 1)}$$

Sequence: A171621
Score: 4.89428
Type of gen. func.: ogf

$$\{(-n^2 - 10 n - 21) a(n + 1) + (n^2 + 6 n + 5) a(n + 3), a(0) = 0, a(1) = 5, a(2) = 3\}$$

Sequence: A171621
Score: 7.65811
Type of gen. func.: ogf

$$\frac{x (3 x^4 + x^3 - 6 x^2 - 3 x - 5)}{(x - 1)^3 (x + 1)^3}$$

Sequence: A171621
Score: 9.00731
Type of gen. func.: lgdogf

$$-\frac{3\,(2 x^5 + x^4 - 4 x^3 - 4 x^2 - 14 x - 1)}{(x - 1)(x + 1)(3 x^4 + x^3 - 6 x^2 - 3 x - 5)}$$

Sequence: A171623
Score: 7.60260
Type of gen. func.: ogf

$$\frac{x^7 + x^2 + x - 4}{x - 1}$$

Sequence: A171623
Score: 8.80204
Type of gen. func.: lgdogf

$$\frac{6 x^7 - 7 x^6 + x^2 - 2 x + 3}{(x - 1)(x^7 + x^2 + x - 4)}$$

Sequence: A171624
Score: 12.1028
Type of gen. func.: lgdogf

$$\frac{3 x^4 - 4 x^3 + 2}{(x - 1)(x^4 - x - 1)}$$

Sequence: A171624
Score: 17.3225
Type of gen. func.: ogf

$$\frac{x^4 - x - 1}{x - 1}$$

Sequence: A171624
Score: 9.86723
Type of gen. func.: ogf

$$-(f(x) + 1) (-x^4 + f(x) x - f(x) + x + 1)$$

Sequence: A171627
Score: 12.1028
Type of gen. func.: lgdogf

$$\frac{3 x^4 - 4 x^3 + 3}{(x - 1) (x^4 + x - 4)}$$

Sequence: A171627
Score: 5.30182
Type of gen. func.: ogf

$$(f(x) + 23) (-x^4 + f(x) x - f(x) - x + 4)$$

Sequence: A171627
Score: 8.95418
Type of gen. func.: ogf

$$\frac{x^4 + x - 4}{x - 1}$$

Sequence: A171630
Score: 2.94507
Type of gen. func.: ogf

$$(706277 f(x) - 860859)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 3530 x^2 - f(x) - 868 x + 11)$$

Sequence: A171630

Score: 3.13060
Type of gen. func.: ogf

$$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 11, a(1) = 353, a(2) = 30503\}$$

Sequence: A171630
Score: 5.30115
Type of gen. func.: ogf

$$-\frac{3530 x^2 - 868 x + 11}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A171638
Score: 4.71837
Type of gen. func.: ogf

$$-\frac{x (9 x^8 + x^7 - 36 x^6 - 5 x^5 + 70 x^4 + 19 x^3 + 316 x^2 + 9 x + 25)}{(x - 1)^5 (x + 1)^5}$$

Sequence: A171640
Score: 11.3565
Type of gen. func.: ogf

$$-\frac{3 x^2 - 8 x + 1}{(x - 1) (x^2 - 10 x + 1)}$$

Sequence: A171640
Score: 6.06324
Type of gen. func.: ogf

$$(1317 f(x) - 121) (f(x) x^3 - 11 f(x) x^2 + 11 f(x) x + 3 x^2 - f(x) - 8 x + 1)$$

Sequence: A171640
Score: 6.22141
Type of gen. func.: ogf

$$\{-a(n+3)+11\,a(n+2)-11\,a(n+1)+a(n),\ a(0)=1,\ a(1)=3,\ a(2)=25\}$$

Sequence: A171647
Score: 15.2185
Type of gen. func.: ogf

$$\frac{2x+1}{(2x^2-1)^2}$$

Sequence: A171647
Score: 21.5046
Type of gen. func.: lgdogf

$$-\frac{2\,(6x^2+4x+1)}{(2x+1)\,(2x^2-1)}$$

Sequence: A171647
Score: 3.76619
Type of gen. func.: ogf

$$\{(n+4)\,a(n+4)+(4+2n)\,a(n+3)+(-12-2n)\,a(n+2)$$
$$+(-16-4n)\,a(n+1),\ a(0)=1,\ a(1)=2,\ a(2)=4,\ a(3)=8\}$$

Sequence: A171647
Score: 9.68448
Type of gen. func.: ogf

$$f(x)\,(4\,f(x)\,x^4-4\,f(x)\,x^2+f(x)-2x-1)$$

Sequence: A171648
Score: 14.9206
Type of gen. func.: lgdogf

$$-\frac{2\,(12x^4+8x^3+2x^2+2x+1)}{{}^{4}\qquad{}^{2}}$$

$$(2 x + 1) (4 x \ \ + 2 x \ \ - 1)$$

Sequence: A171648
Score: 16.4334
Type of gen. func.: ogf

$$- \frac{2 x + 1}{4 x^{4} + 2 x^{2} - 1}$$

Sequence: A171648
Score: 9.94117
Type of gen. func.: ogf

$$-f(x) (4 f(x) x^{4} + 2 f(x) x^{2} - f(x) + 2 x + 1)$$

Sequence: A171656
Score: 4.58864
Type of gen. func.: ogf

$$(5376823639 f(x) - 5525978277)$$

$$(1000 f(x) x^{3} - 1110 f(x) x^{2} + 111 f(x) x + 3730 x^{2} - f(x) - 1070 x + 13)$$

Sequence: A171656
Score: 5.20287
Type of gen. func.: ogf

$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 13, a(1) = 373,$

$a(2) = 30703\}$

Sequence: A171656
Score: 8.69426
Type of gen. func.: ogf

$$- \frac{3730 x^{2} - 1070 x + 13}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A171662
Score: 7.25614
Type of gen. func.: lgdogf

$$- \frac{4 x^9 + 2 x^8 + 8 x^7 + 11 x^6 + 14 x^5 + 8 x^4 + 10 x^3 + 6 x^2 + 6 x + 3}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 + x^2 + x + 1)}$$

Sequence: A171662
Score: 8.27820
Type of gen. func.: ogf

$$- \frac{x^2 (x^4 + x^2 + x + 1)}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^3}$$

Sequence: A171663
Score: 6.03517
Type of gen. func.: lgdogf

$$- \frac{160 x^8 - 256 x^7 + 104 x^6 - 16 x^5 + 16 x^4 + 32 x^3 - 36 x^2 + 5}{(x - 1) (2 x + 1) (2 x - 1) (2 x^2 - 1) (20 x^4 - 16 x^3 - 6 x^2 + 4 x + 1)}$$

Sequence: A171663
Score: 7.51518
Type of gen. func.: ogf

$$- \frac{20 x^4 - 16 x^3 - 6 x^2 + 4 x + 1}{(x - 1) (2 x + 1) (2 x - 1) (2 x^2 - 1)}$$

Sequence: A171680
Score: 6.58854
Type of gen. func.: ogf

$$- \frac{20 x^4 - 33 x^3 - 71 x^2 + 21 x - 1}{}$$

$$(x + 1) (x - 3 x + 1) (x - 18 x + 1)$$

Sequence: A171681
Score: 5.24144
Type of gen. func.: ogf

$$-\frac{2 x^4 - 22 x^3 + 31 x^2 + 14 x - 1}{(x + 1) (x^2 - 3 x + 1) (x^2 - 18 x + 1)}$$

Sequence: A171711
Score: 14.7995
Type of gen. func.: revogf

$$\frac{x (x^4 - 2 x^2 - x + 1)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A171714
Score: 8.08198
Type of gen. func.: ogf

$$-\frac{x^4 + 4 x^3 + 14 x^2 + 4 x + 1}{(x + 1) (x - 1)^5}$$

Sequence: A171718
Score: 2.79989
Type of gen. func.: ogf

$(250957993 f(x) - 232418619)$

$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 3830 x^2 - f(x) - 1171 x + 14)$

Sequence: A171718
Score: 3.13060
Type of gen. func.: ogf

$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 14, a(1) = 383,$

a(2) = 30803}

Sequence: A171718
Score: 5.23139
Type of gen. func.: ogf

$$-\frac{3830 x^2 - 1171 x + 14}{(x - 1)(100 x - 1)(10 x - 1)}$$

Sequence: A171722
Score: 4.80551
Type of gen. func.: ogf

$$-x (x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 - 9 x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 1) / ((x^2 + x + 1)(x^6 + x^3 + 1)(x - 1)^2)$$

Sequence: A171723
Score: 4.77981
Type of gen. func.: ogf

$$-x (x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 - 10 x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 1) / ((x^2 + x + 1)(x^6 + x^3 + 1)(x - 1)^2)$$

Sequence: A171733
Score: 5.78227
Type of gen. func.: ogf

$$\frac{x^8 - 2 x^7 - 4 x^6 + 2 x^5 - 18 x^4 + 2 x^3 - 4 x^2 - 2 x + 1}{(x + 1)^4 (x - 1)^5}$$

Sequence: A171733
Score: 7.58133
Type of gen. func.: lgdogf

$$-\frac{x^9 - 3x^8 - 6x^7 - 10x^6 - 112x^5 + 4x^4 - 98x^3 - 14x^2 - x - 1}{(x - 1)(x + 1)(x^8 - 2x^7 - 4x^6 + 2x^5 - 18x^4 + 2x^3 - 4x^2 - 2x + 1)}$$

Sequence: A171734
Score: 11.4023
Type of gen. func.: lgdogf

$$-\frac{2x(x^6 + x^4 + 30x^3 - 5x^2 + 18x + 3)}{(x - 1)(x + 1)(x^6 - x^4 + 12x^3 - x^2 + 1)}$$

Sequence: A171734
Score: 8.61656
Type of gen. func.: ogf

$$\frac{2(x^6 - x^4 + 12x^3 - x^2 + 1)}{(x - 1)^4 (x + 1)^4}$$

Sequence: A171736
Score: 2.83989
Type of gen. func.: ogf

$(46032393 f(x) - 94375036)$

$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 7270 x^2 - f(x) - 1049 x + 16)$

Sequence: A171736
Score: 3.13060
Type of gen. func.: ogf

$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 16, a(1) = 727,$

$a(2) = 70207\}$

Sequence: A171736
Score: 5.23139

Type of gen. func.: ogf

$$-\frac{7270 x^2 - 1049 x + 16}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A171753
Score: 5.04868
Type of gen. func.: ogf

$$-(5 f(x) + 11) (21 f(x) x^3 - 25 f(x) x^2 + 9 f(x) x + 8 x^2 - f(x) - 6 x + 1)$$

Sequence: A171753
Score: 5.18037
Type of gen. func.: ogf

$$\{-a(n + 3) + 9 a(n + 2) - 25 a(n + 1) + 21 a(n), a(0) = 1, a(1) = 3, a(2) = 10\}$$

Sequence: A171753
Score: 7.98906
Type of gen. func.: lgdogf

$$-\frac{168 x^4 - 252 x^3 + 141 x^2 - 34 x + 3}{(3 x - 1) (2 x - 1) (4 x - 1) (7 x^2 - 6 x + 1)}$$

Sequence: A171753
Score: 9.45624
Type of gen. func.: ogf

$$-\frac{(4 x - 1) (2 x - 1)}{(3 x - 1) (7 x^2 - 6 x + 1)}$$

Sequence: A171765
Score: 6.91335
Type of gen. func.: ogf

$$x^{11} (9 x^8 + 8 x^7 + 7 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1)$$

```
       -----------------------------------------------------------------
              2        2   4    3    2         2   4    3    2         2
       (x - 1)  (x + 1)  (x   + x   + x   + x + 1)  (x   - x   + x   - x + 1)
```

Sequence: A171766
Score: 3.13060
Type of gen. func.: ogf

```
{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 17, a(1) = 737,

    a(2) = 70307}
```

Sequence: A171766
Score: 4.68627
Type of gen. func.: ogf

```
(39924313 f(x) - 115083871)

                3              2                      2
    (1000 f(x) x  - 1110 f(x) x  + 111 f(x) x + 7370 x  - f(x) - 1150 x + 17)
```

Sequence: A171766
Score: 5.23139
Type of gen. func.: ogf

```
                                    2
                              7370 x  - 1150 x + 17
                        - ------------------------------
                          (x - 1) (100 x - 1) (10 x - 1)
```

Sequence: A171769
Score: 13.5317
Type of gen. func.: ogf

```
                                     2
                                    x  + x + 2
                               - ----------------
                                                3
                                 (x + 1) (x - 1)
```

Sequence: A171769
Score: 19.2807
Type of gen. func.: lgdogf

```
                                         2
                             (2 x + 1) (x  + 2 x + 5)
```

$$-\frac{}{(x - 1) (x + 1) (x^2 + x + 2)}$$

Sequence: A171769
Score: 6.93644
Type of gen. func.: ogf

$$(13408 f(x) - 47037) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x + x^2 - f(x) + x + 2)$$

Sequence: A171790
Score: 4.27576
Type of gen. func.: ogf

$$\{(-256 n^3 - 128 n^2 + 16 n + 8) a(n) + (-27 n^3 - 54 n^2 - 33 n - 6) a(n + 1),$$
$$a(0) = 1, a(1) = 1\}$$

Sequence: A171797
Score: 6.95632
Type of gen. func.: ogf

$$-\frac{110 x^{20} + 110 x^{19} + 110 x^{11} + 202 x^{10} + 101 x^9 + 110 x + 101}{(x - 1) (x + 1) (x^2 + 1) (x^8 - x^6 + x^4 - x^2 + 1)}$$

Sequence: A171813
Score: 8.13230
Type of gen. func.: lgdogf

$$\frac{36 x^5 - 456 x^4 - 58 x^3 + 276 x^2 + 1266 x + 101}{(x - 1) (9 x^5 - 137 x^4 - 303 x^3 - 633 x^2 - 100 x - 1)}$$

Sequence: A171813
Score: 9.48569
Type of gen. func.: ogf

$$9 x^5 - 137 x^4 - 303 x^3 - 633 x^2 - 100 x - 1$$

$$\frac{}{x - 1}$$

Sequence: A171816
Score: 6.13826
Type of gen. func.: lgdogf

$$2 (665 x^8 + 764 x^7 + 827 x^6 + 809 x^5 + 710 x^4 + 530 x^3 + 269 x^2 - 73 x + 4) \Big/ ((10 x - 1) (19 x^8 + 28 x^7 + 37 x^6 + 46 x^5 + 55 x^4 + 64 x^3 + 73 x^2 + 82 x - 9))$$

Sequence: A171816
Score: 8.13449
Type of gen. func.: ogf

$$\frac{19 x^8 + 28 x^7 + 37 x^6 + 46 x^5 + 55 x^4 + 64 x^3 + 73 x^2 + 82 x - 9}{10 x - 1}$$

Sequence: A171825
Score: 4.04940
Type of gen. func.: ogf

$$- (8999010 x^8 + 910090991 x^7 + 989990000 x^6 + 98999010 x^5 + 11099990 x^4 + 1010999 x^3 + 11109 x^2 + 101 x + 1)/((x - 1) (x + 1))$$

Sequence: A171834
Score: 10.2505
Type of gen. func.: lgdogf

$$- \frac{3 x^6 + 22 x^5 + 17 x^4 + 20 x^3 + 17 x^2 + 14 x + 3}{(x - 1) (x + 1) (x^2 + 1) (x^3 + 5 x^2 + x + 1)}$$

Sequence: A171834

Score: 9.71101
Type of gen. func.: ogf

$$-\frac{x^3+5x^2+x+1}{(x+1)(x^2+1)(x-1)^3}$$

Sequence: A171835
Score: 8.87566
Type of gen. func.: ogf

$$-\frac{2x^4+x^3+x^2+x+3}{(x+1)(x^2+1)(x-1)^3}$$

Sequence: A171835
Score: 9.09874
Type of gen. func.: lgdogf

$$-\frac{4x^7+7x^6+10x^5+13x^4+32x^3+13x^2+10x+7}{(x-1)(x+1)(x^2+1)(2x^4+x^3+x^2+x+3)}$$

Sequence: A171842
Score: 16.6338
Type of gen. func.: ogf

$$-\frac{2x-1}{(x-1)(x^2+2x-1)}$$

Sequence: A171842
Score: 19.2774
Type of gen. func.: lgdogf

$$-\frac{4x^3-x^2-2x+1}{(x-1)(2x-1)(x^2+2x-1)}$$

Sequence: A171842
Score: 7.87134
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + a(n + 1) + a(n), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A171842
Score: 8.23916
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^3 + f(x) x^2 - 3 f(x) x + f(x) + 2 x - 1)$$

Sequence: A171856
Score: 10.3375
Type of gen. func.: ogf

$$-\frac{x^3 + x + 1}{x^4 + x^3 - x^2 + 2 x - 1}$$

Sequence: A171856
Score: 11.6550
Type of gen. func.: lgdogf

$$-\frac{x^6 + 4 x^4 + 2 x^3 + 5 x^2 - 2 x + 3}{(x^3 + x + 1) (x^4 + x^3 - x^2 + 2 x - 1)}$$

Sequence: A171856
Score: 5.52936
Type of gen. func.: ogf

$$(4 f(x) - 1) (f(x) x^4 + f(x) x^3 - f(x) x^2 + x^3 + 2 f(x) x - f(x) + x + 1)$$

Sequence: A171857
Score: 10.2892
Type of gen. func.: ogf

$$-\frac{x^3 + x^2 + 1}{x^4 + x^3 - x^2 + 2 x - 1}$$

Sequence: A171857
Score: 12.7071
Type of gen. func.: lgdogf

$$-\frac{x^6 + 2 x^5 + 2 x^4 + 4 x^2 + 2}{(x^3 + x^2 + 1) (x^4 + x^3 - x^2 + 2 x - 1)}$$

Sequence: A171857
Score: 6.00892
Type of gen. func.: ogf

$$f(x) (f(x) x^4 + f(x) x^3 - f(x) x^2 + x^3 + 2 f(x) x + x^2 - f(x) + 1)$$

Sequence: A171858
Score: 8.45290
Type of gen. func.: lgdogf

$$-\frac{x^8 + 4 x^7 + 5 x^6 - x^4 + 4 x^3 + 3 x^2 + 2}{(x + 1) (x^3 + x^2 - x + 1) (x^5 + 2 x^4 - x^3 + 2 x - 1)}$$

Sequence: A171858
Score: 9.22003
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^3 + x^2 - x + 1)}{x^5 + 2 x^4 - x^3 + 2 x - 1}$$

Sequence: A171861
Score: 12.9799
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 3 x^4 + 4 x^3 - 4 x - 2}{(x - 1) (x^2 + x + 1) (x^3 + x^2 - 1)}$$

Sequence: A171861
Score: 13.4793
Type of gen. func.: ogf

$$\frac{x^2 + x + 1}{(x - 1) (x^3 + x^2 - 1)}$$

Sequence: A171861
Score: 6.63096
Type of gen. func.: ogf

{-a(n + 4) + a(n + 3) + a(n + 2) - a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 6

}

Sequence: A171861
Score: 7.40756
Type of gen. func.: ogf

$$(7 f(x) - 3) (f(x) x^4 - f(x) x^2 - f(x) x - x^2 + f(x) - x - 1)$$

Sequence: A171869
Score: 12.0737
Type of gen. func.: ogf

$$2 x^4 + 2 x^3 - 2 f(x) x + 2 x^2 + f(x) - 1$$

Sequence: A171869
Score: 13.7683
Type of gen. func.: ogf

$$2 x^4 + 2 x^3 + 2 x^2 - 1$$

$$\frac{\qquad}{2 x - 1}$$

Sequence: A171869
Score: 15.7236
Type of gen. func.: lgdogf

$$\frac{2 (6 x^4 - x^2 - 2 x + 1)}{(2 x - 1) (2 x^4 + 2 x^3 + 2 x^2 - 1)}$$

Sequence: A171869
Score: 7.26658
Type of gen. func.: ogf

$$\{-a(n + 5) + 2 a(n + 4), a(0) = 1, a(1) = 2, a(2) = 2, a(3) = 2, a(4) = 2\}$$

Sequence: A171891
Score: 16.6968
Type of gen. func.: ogf

$$-\frac{8 x^2 - 8 x - 1}{(x - 1)^2}$$

Sequence: A171891
Score: 27.9998
Type of gen. func.: lgdogf

$$-\frac{2 (-5 + 4 x)}{(x - 1) (8 x^2 - 8 x - 1)}$$

Sequence: A171891
Score: 8.50893
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 10, a(2) = 11\}$$

Sequence: A171891
Score: 9.41413
Type of gen. func.: ogf

$$(f(x) + 49) (f(x) x^2 - 2 f(x) x + 8 x^2 + f(x) - 8 x - 1)$$

Sequence: A171892
Score: 15.8542
Type of gen. func.: ogf

$$- \frac{x (7 x^2 - 7 x - 1)}{(x - 1)^2}$$

Sequence: A171892
Score: 30.7207
Type of gen. func.: lgdogf

$$- \frac{-9 + 7 x}{(x - 1) (7 x^2 - 7 x - 1)}$$

Sequence: A171892
Score: 7.92709
Type of gen. func.: ogf

$$\{-a(n + 4) + 2 a(n + 3) - a(n + 2), a(0) = 0, a(1) = 1, a(2) = 9, a(3) = 10\}$$

Sequence: A171892
Score: 8.77367
Type of gen. func.: ogf

$$(930 f(x) + 44233) (f(x) x^2 + 7 x^3 - 2 f(x) x - 7 x^2 + f(x) - x)$$

Sequence: A171893
Score: 15.7269
Type of gen. func.: ogf

$$-\frac{7x^3-7x^2-1}{(x-1)^2}$$

Sequence: A171893
Score: 20.4521
Type of gen. func.: lgdogf

$$\frac{7x^3-21x^2+14x+2}{(x-1)(7x^3-7x^2-1)}$$

Sequence: A171893
Score: 7.72788
Type of gen. func.: ogf

$$\{a(n+4)-2a(n+3)+a(n+2), a(0)=1, a(1)=2, a(2)=10, a(3)=11\}$$

Sequence: A171893
Score: 8.37787
Type of gen. func.: ogf

$$-(257 f(x)+14329)(f(x)x^2+7x^3-2f(x)x-7x^2+f(x)-1)$$

Sequence: A171905
Score: 15.066
Type of gen. func.: ogf

$$-x^3-f(x)x+2x^2+f(x)-x-1$$

Sequence: A171905
Score: 17.3401
Type of gen. func.: ogf

$$-\frac{x^3-2x^2+x+1}{x-1}$$

Sequence: A171905
Score: 21.5533
Type of gen. func.: lgdogf

$$\frac{2 x^{3} - 5 x^{2} + 4 x - 2}{(x - 1) (x^{3} - 2 x^{2} + x + 1)}$$

Sequence: A171905
Score: 9.67394
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3), a(0) = 1, a(1) = 2, a(2) = 0, a(3) = 1\}$$

Sequence: A171949
Score: 16.2698
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} (x - 1) - x^{3} + x^{2} + 2$$

Sequence: A171950
Score: 12.3761
Type of gen. func.: ogf

$$- \frac{2 x^{5} - 4 x^{4} + x^{3} + x - 1}{(x - 1)^{2}}$$

Sequence: A171950
Score: 14.2577
Type of gen. func.: lgdogf

$$\frac{6 x^{5} - 18 x^{4} + 17 x^{3} - 3 x^{2} - x + 1}{(x - 1) (2 x^{5} - 4 x^{4} + x^{3} + x - 1)}$$

Sequence: A171960
Score: 9.17584
Type of gen. func.: ogf

$$-\frac{54x^{28}-54x^{27}+18x^{10}-18x^{9}+6x^{4}-6x^{3}+3x-2}{(x-1)^{2}}$$

Sequence: A171965
Score: 22.3091
Type of gen. func.: ogf_with_Euler_transform]

$$[x^{5}-x^{3}+x+3]$$

Sequence: A171965
Score: 8.92060
Type of gen. func.: ogf

$$\frac{x^{3}(x^{2}+1)}{(x+1)(x^{2}+x+1)(x^{2}-x+1)(x-1)^{4}}$$

Sequence: A171965
Score: 9.71393
Type of gen. func.: lgdogf

$$-\frac{7x^{7}+3x^{6}+12x^{5}+6x^{4}+6x^{3}+6x^{2}+5x+3}{(x-1)(x+1)(x^{2}+1)(x^{2}+x+1)(x^{2}-x+1)}$$

Sequence: A171970
Score: 5.92761
Type of gen. func.: ogf

$$x(x^{14}+x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{5}+x^{4}+x^{3}+x^{2}+x+1) \Big/ \Big((x^{2}+x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{8}-x^{7}+x^{5}-x^{4}+x^{3}-x+1)(x-1)^{2}\Big)$$

Sequence: A171984
Score: 7.78561
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 4 x^6 + 4 x^5 + 4 x^4 + 4 x^3 + 4 x^2 + 4 x + 4}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A172011
Score: 12.4958
Type of gen. func.: ogf

$$-2 f(x) x^2 - 2 f(x) x + f(x) - 12 x$$

Sequence: A172011
Score: 18.9679
Type of gen. func.: revogf

$$\frac{-6 - x + (x^2 + 4 x + 12)^{1/2} 3^{1/2}}{2 x}$$

Sequence: A172011
Score: 19.7301
Type of gen. func.: ogf

$$- \frac{12 x}{2 x^2 + 2 x - 1}$$

Sequence: A172011
Score: 30.8228
Type of gen. func.: lgdogf

$$- \frac{2 (2 x + 1)}{2 x^2 + 2 x - 1}$$

Sequence: A172011
Score: 9.14323
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 12\}$$

Sequence: A172012
Score: 16.6525
Type of gen. func.: ogf

$$\frac{3 x - 2}{3 x^2 + 3 x - 1}$$

Sequence: A172012
Score: 18.8803
Type of gen. func.: lgdogf

$$- \frac{3 (3 x^2 - 4 x - 1)}{(3 x - 2) (3 x^2 + 3 x - 1)}$$

Sequence: A172012
Score: 8.51548
Type of gen. func.: ogf

$$(56 f(x) - 103) (3 f(x) x^2 + 3 f(x) x - f(x) - 3 x + 2)$$

Sequence: A172012
Score: 9.13857
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) + 3 a(n), a(0) = 2, a(1) = 3\}$$

Sequence: A172020
Score: 7.32122
Type of gen. func.: ogf

$$-\frac{x^8 - 2x^4 - x^3 + x - 1}{(x^3 - x + 1)(x^3 - x^2 + 2x - 1)(x^3 - x - 1)}$$

Sequence: A172025
Score: 3.54475
Type of gen. func.: ogf

$$\{(4n^2 + 34n + 70)a(n+1) + (7n^2 + 59n + 122)a(n+2)$$

$$+ (-2n^2 - 18n - 36)a(n+3), a(0) = 1, a(1) = 4, a(2) = 16\}$$

Sequence: A172033
Score: 16.5808
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^5 - x^4 + 1}{x^4 - 1}$$

Sequence: A172043
Score: 13.3061
Type of gen. func.: ogf

$$-\frac{7x^2 + 2x + 1}{(x-1)^3}$$

Sequence: A172043
Score: 22.7531
Type of gen. func.: lgdogf

$$-\frac{7x^2 + 18x + 5}{(x-1)(7x^2 + 2x + 1)}$$

Sequence: A172043

Score: 6.87858
Type of gen. func.: ogf

$$(6100 f(x) - 17853) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 7 x^2 - f(x) + 2 x + 1)$$

Sequence: A172043
Score: 7.18294
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 5, a(2) = 19\}$$

Sequence: A172044
Score: 12.8935
Type of gen. func.: ogf

$$\frac{5 x^2 - 14 x - 1}{(x - 1)^3}$$

Sequence: A172044
Score: 20.6361
Type of gen. func.: lgdogf

$$- \frac{5 x^2 - 18 x - 17}{(x - 1) (5 x^2 - 14 x - 1)}$$

Sequence: A172044
Score: 6.6066
Type of gen. func.: ogf

$$(21100 f(x) - 294087) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 5 x^2 - f(x) + 14 x + 1)$$

Sequence: A172044
Score: 7.01227
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 17, a(2) = 43\}$$

Sequence: A172045
Score: 18.9931
Type of gen. func.: lgdogf

$$-\frac{15 x^{2} + 58 x + 17}{(x - 1) (5 x^{2} + 12 x + 1)}$$

Sequence: A172045
Score: 3.66201
Type of gen. func.: ogf

$$\{(-3 - n) a(n + 4) + (-5 - 11 n) a(n + 3) + (65 + 7 n) a(n + 2) + (15 + 5 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 17, a(3) = 80\}$$

Sequence: A172045
Score: 8.71907
Type of gen. func.: ogf

$$-\frac{x (5 x^{2} + 12 x + 1)}{(x - 1)^{5}}$$

Sequence: A172046
Score: 21.9919
Type of gen. func.: ogf_with_Euler_transform]

$$x^{6} - x^{5} + x^{2} + 3$$

Sequence: A172046
Score: 7.75132
Type of gen. func.: lgdogf

$$-\frac{7 x^{9} + 3 x^{8} + 3 x^{7} + 13 x^{6} + 6 x^{5} + 6 x^{4} + 6 x^{3} + 6 x^{2} + 3 x + 3}{(x - 1) (x + 1) (x^{2} - x + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A172046
Score: 8.70022
Type of gen. func.: ogf

$$\frac{x^3 (x + 1) (x^2 - x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^4}$$

Sequence: A172047
Score: 18.8382
Type of gen. func.: lgdogf

$$- \frac{27 x^2 + 98 x + 25}{(x - 1) (9 x^2 + 20 x + 1)}$$

Sequence: A172047
Score: 3.56093
Type of gen. func.: ogf

$\{(n + 3) a(n + 4) + (13 + 19 n) a(n + 3) + (-109 - 11 n) a(n + 2)$

$+ (-27 - 9 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 25, a(3) = 124\}$

Sequence: A172047
Score: 8.64798
Type of gen. func.: ogf

$$- \frac{x (9 x^2 + 20 x + 1)}{(x - 1)^5}$$

Sequence: A172050
Score: 7.29397
Type of gen. func.: ogf

$$\frac{x (2 x^4 + 8 x^3 - 3 x^2 - 8 x + 4)}{(x - 1)^2 (x^2 + x - 1)^2}$$

Sequence: A172050
Score: 8.71061
Type of gen. func.: lgdogf

$$-\frac{2\,(2x^6+12x^5-2x^4-16x^3+11x-4)}{(x-1)\,(x^2+x-1)\,(2x^4+8x^3-3x^2-8x+4)}$$

Sequence: A172051
Score: 20.0602
Type of gen. func.: ogf

$$-\frac{x^5}{(x-1)\,(x+1)\,(x^2+x+1)\,(x^2-x+1)}$$

Sequence: A172051
Score: 25.5968
Type of gen. func.: lgdogf

$$-\frac{6x^5}{(x-1)\,(x+1)\,(x^2+x+1)\,(x^2-x+1)}$$

Sequence: A172051
Score: 34.1499
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5]$$

Sequence: A172060
Score: 4.85988
Type of gen. func.: ogf

$\{(-16 n - 40) a(n + 1) + (8 n + 22) a(n + 2) + (-3 - n) a(n + 3), a(0) = 0,$

$a(1) = 2, a(2) = 14\}$

Sequence: A172060
Score: 5.63303
Type of gen. func.: ogf

$$-64 f(x)^2 x^3 + 48 f(x)^2 x^2 - 12 f(x)^2 x + 32 f(x) x^2 + f(x)^2 - 16 f(x) x + 2 f(x) - 4 x$$

Sequence: A172073
Score: 11.9050
Type of gen. func.: ogf

$$\frac{x (11 x + 1)}{(x - 1)^4}$$

Sequence: A172073
Score: 29.7948
Type of gen. func.: lgdogf

$$- \frac{3 (5 + 11 x)}{(11 x + 1) (x - 1)}$$

Sequence: A172073
Score: 5.13550
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 3) + (5 - 10 n) a(n + 2) + (33 + 11 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 15\}$$

Sequence: A172073
Score: 5.41884
Type of gen. func.: ogf

$$-(64952064 f(x) + 309160393) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 11 x^2 + f(x) - x)$$

Sequence: A172075
Score: 18.2489
Type of gen. func.: lgdogf

$$-\frac{33 x^2 + 118 x + 29}{(x - 1) (11 x^2 + 24 x + 1)}$$

Sequence: A172075
Score: 3.61237
Type of gen. func.: ogf

{(-3 - n) a(n + 4) + (-17 - 23 n) a(n + 3) + (131 + 13 n) a(n + 2)

+ (33 + 11 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 29, a(3) = 146}

Sequence: A172075
Score: 8.71219
Type of gen. func.: ogf

$$-\frac{x (11 x^2 + 24 x + 1)}{(x - 1)^5}$$

Sequence: A172076
Score: 11.6013
Type of gen. func.: ogf

$$\frac{x (13 x + 1)}{(x - 1)^4}$$

Sequence: A172076
Score: 30.1877
Type of gen. func.: lgdogf

$$-\frac{17 + 39 x}{(13 x + 1) (x - 1)}$$

Sequence: A172076
Score: 5.00447
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 3) + (5 - 12 n) a(n + 2) + (39 + 13 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 17\}$$

Sequence: A172076
Score: 5.24441
Type of gen. func.: ogf

$$-(161819168 f(x) + 899445401) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 13 x^2 + f(x) - x)$$

Sequence: A172077
Score: 17.8898
Type of gen. func.: lgdogf

$$- \frac{3 (13 x^2 + 46 x + 11)}{(x - 1) (13 x^2 + 28 x + 1)}$$

Sequence: A172077
Score: 3.62957
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (21 + 27 n) a(n + 3) + (-153 - 15 n) a(n + 2) + (-39 - 13 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 33, a(3) = 168\}$$

Sequence: A172077
Score: 8.75367
Type of gen. func.: ogf

$$- \frac{x (13 x^2 + 28 x + 1)}{(x - 1)^5}$$

Sequence: A172078

Score: 11.2435
Type of gen. func.: ogf

$$\frac{x (15 x + 1)}{(x - 1)^4}$$

Sequence: A172078
Score: 29.2462
Type of gen. func.: lgdogf

$$- \frac{19 + 45 x}{(15 x + 1) (x - 1)}$$

Sequence: A172078
Score: 4.85012
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 3) + (5 - 14 n) a(n + 2) + (45 + 15 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 19\}$$

Sequence: A172078
Score: 5.04808
Type of gen. func.: ogf

$$-(357318656 f(x) + 2271560481) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 15 x^2 + f(x) - x)$$

Sequence: A172080
Score: 17.6574
Type of gen. func.: lgdogf

$$- \frac{45 x^2 + 158 x + 37}{(x - 1) (15 x^2 + 32 x + 1)}$$

Sequence: A172080
Score: 8.43276
Type of gen. func.: ogf

$$-\frac{x\,(15\,x^{2}+32\,x+1)}{(x-1)^{5}}$$

Sequence: A172082
Score: 10.9422
Type of gen. func.: ogf

$$\frac{x\,(17\,x+1)}{(x-1)^{4}}$$

Sequence: A172082
Score: 27.3597
Type of gen. func.: lgdogf

$$-\frac{3\,(7+17\,x)}{(17\,x+1)\,(x-1)}$$

Sequence: A172082
Score: 4.72016
Type of gen. func.: ogf

$$\{(-n-2)\,a(n+3)+(5-16\,n)\,a(n+2)+(51+17\,n)\,a(n+1),\ a(0)=0,$$
$$a(1)=1,\ a(2)=21\}$$

Sequence: A172082
Score: 4.91281
Type of gen. func.: ogf

$$-(719318880\,f(x)+5147732449)$$
$$(f(x)\,x^{4}-4\,f(x)\,x^{3}+6\,f(x)\,x^{2}-4\,f(x)\,x-17\,x^{2}+f(x)-x)$$

Sequence: A172085
Score: 17.8322
Type of gen. func.: lgdogf

$$-\frac{51 x^2 + 178 x + 41}{(x - 1) (17 x^2 + 36 x + 1)}$$

Sequence: A172085
Score: 3.53062
Type of gen. func.: ogf

{(n + 3) a(n + 4) + (29 + 35 n) a(n + 3) + (-197 - 19 n) a(n + 2)

+ (-51 - 17 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 41, a(3) = 212}

Sequence: A172085
Score: 8.51504
Type of gen. func.: ogf

$$-\frac{x (17 x^2 + 36 x + 1)}{(x - 1)^5}$$

Sequence: A172117
Score: 10.9969
Type of gen. func.: ogf

$$\frac{x (19 x + 1)}{(x - 1)^4}$$

Sequence: A172117
Score: 28.5985
Type of gen. func.: lgdogf

$$-\frac{23 + 57 x}{(19 x + 1) (x - 1)}$$

Sequence: A172117
Score: 4.74376
Type of gen. func.: ogf

{(-n - 2) a(n + 3) + (5 - 18 n) a(n + 2) + (57 + 19 n) a(n + 1), a(0) = 0,

a(1) = 1, a(2) = 23}

Sequence: A172117
Score: 4.8711
Type of gen. func.: ogf

$$-(1345952000 f(x) + 10708033241)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 19 x^2 + f(x) - x)$$

Sequence: A172118
Score: 17.5678
Type of gen. func.: lgdogf

$$-\frac{3 (19 x^2 + 66 x + 15)}{(x - 1) (19 x^2 + 40 x + 1)}$$

Sequence: A172118
Score: 3.56474
Type of gen. func.: ogf

{(-3 - n) a(n + 4) + (-33 - 39 n) a(n + 3) + (219 + 21 n) a(n + 2)

+ (57 + 19 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 45, a(3) = 234}

Sequence: A172118
Score: 8.59731
Type of gen. func.: ogf

$$-\frac{x (19 x^2 + 40 x + 1)}{(x - 1)^5}$$

Sequence: A172123
Score: 19.8098
Type of gen. func.: lgdogf

$$3 x^2 + 14 x + 13$$

$$- \frac{}{(x - 1) (x + 2) (x + 1)}$$

Sequence: A172123
Score: 8.24234
Type of gen. func.: ogf

$$- \frac{2 x (x + 2) (x + 1)}{(x - 1)^{5}}$$

Sequence: A172124
Score: 5.19823
Type of gen. func.: ogf

$$- \frac{2 x^{2} (3 x^{4} + 18 x^{3} + 48 x^{2} + 38 x + 13)}{(x + 1) (x - 1)^{7}}$$

Sequence: A172124
Score: 7.65613
Type of gen. func.: lgdogf

$$- \frac{4 (3 x^{5} + 27 x^{4} + 102 x^{3} + 152 x^{2} + 107 x + 29)}{(x - 1) (x + 1) (3 x^{4} + 18 x^{3} + 48 x^{2} + 38 x + 13)}$$

Sequence: A172131
Score: 19.4647
Type of gen. func.: ogf_with_Euler_transform]

$$x^{8} - 2 x^{5} + 2 x^{2} + x + 2$$

Sequence: A172131
Score: 6.26635
Type of gen. func.: ogf

$$\frac{x^{3} (x + 1) (x^{2} - x + 1)^{2}}{}$$

$$(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^4$$

Sequence: A172131
Score: 6.94053
Type of gen. func.: lgdogf

$$- (7 x^{11} + 2 x^{10} + 4 x^9 + 15 x^8 + 6 x^7 + 6 x^6 + 6 x^5 + 6 x^4 + 6 x^3 + 8 x^2 + 4 x + 2) / ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^6 + x^3 + 1))$$

Sequence: A172132
Score: 14.4056
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^3 - 6 x^2 - 6 x - 7)}{(x - 1) (4 x^3 - 8 x^2 + x - 3)}$$

Sequence: A172132
Score: 3.73717
Type of gen. func.: ogf

$$\{(14 n^2 + 96 n + 136) a(n + 1) + (-27 n^2 - 119 n - 36) a(n + 2) + (13 n^2 + 27 n + 2) a(n + 3), a(0) = 0, a(1) = 6, a(2) = 28\}$$

Sequence: A172132
Score: 7.47435
Type of gen. func.: ogf

$$\frac{2 x (4 x^3 - 8 x^2 + x - 3)}{(x - 1)^5}$$

Sequence: A172134
Score: 4.14953
Type of gen. func.: ogf

$$\frac{4 x (3 x^{8} - 20 x^{7} + 43 x^{6} - 38 x^{5} + 23 x^{4} - 11 x^{3} - 27 x^{2} - 2 x - 1)}{(x - 1)^{7}}$$

Sequence: A172137
Score: 12.3743
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^{4} - 6 x^{2} - 2 x - 9)}{(x - 1) (4 x^{4} - 8 x^{3} + 4 x^{2} - 3 x - 3)}$$

Sequence: A172137
Score: 6.91167
Type of gen. func.: ogf

$$\frac{2 x (4 x^{4} - 8 x^{3} + 4 x^{2} - 3 x - 3)}{(x - 1)^{5}}$$

Sequence: A172138
Score: 3.66542
Type of gen. func.: ogf

$$4 x (4 x^{10} - 23 x^{9} + 45 x^{8} - 33 x^{7} - x^{6} + 9 x^{5} + 29 x^{4} - 58 x^{3} + 13 x^{2} - 14 x - 1) \Big/ (x - 1)^{7}$$

Sequence: A172141
Score: 5.89753
Type of gen. func.: ogf

$$- \frac{2 x (x^{2} + 2 x + 3) (2 x^{2} + x + 1)}{(x + 1)^{2} (x - 1)^{5}}$$

Sequence: A172141
Score: 9.10182
Type of gen. func.: lgdogf

$$-\frac{2(3x^5+13x^4+34x^3+36x^2+27x+7)}{(x-1)(x+1)(x^2+2x+3)(2x^2+x+1)}$$

Sequence: A172160
Score: 12.6993
Type of gen. func.: ogf

$$-\frac{x^2+2x-1}{(2x-1)^2}$$

Sequence: A172160
Score: 24.9537
Type of gen. func.: lgdogf

$$-\frac{2(3x-1)}{(2x-1)(x^2+2x-1)}$$

Sequence: A172160
Score: 6.59865
Type of gen. func.: ogf

$$\{-a(n+3)+4a(n+2)-4a(n+1), a(0)=1, a(1)=2, a(2)=3\}$$

Sequence: A172160
Score: 6.7986
Type of gen. func.: ogf

$$-(25f(x)-57)(4f(x)x^2-4f(x)x+x^2+f(x)+2x-1)$$

Sequence: A172162
Score: 10.5705

Type of gen. func.: ogf

$$-\frac{x (x - 1)}{(100 x - 1) (11 x - 1) (1 + 9 x)}$$

Sequence: A172162
Score: 5.63760
Type of gen. func.: ogf

{a(n + 3) - 102 a(n + 2) + 101 a(n + 1) + 9900 a(n), a(0) = 0, a(1) = 1,

a(2) = 101}

Sequence: A172162
Score: 6.15011
Type of gen. func.: ogf

$$-f(x) (9900 f(x) x^3 + 101 f(x) x^2 - 102 f(x) x + x^2 + f(x) - x)$$

Sequence: A172163
Score: 11.9797
Type of gen. func.: ogf

$$\frac{10 x^2}{(100 x - 1) (11 x - 1) (1 + 9 x)}$$

Sequence: A172163
Score: 5.38070
Type of gen. func.: ogf

{-a(n + 3) + 102 a(n + 2) - 101 a(n + 1) - 9900 a(n), a(0) = 0, a(1) = 0,

a(2) = 10}

Sequence: A172163
Score: 7.13396
Type of gen. func.: ogf

$$9900 f(x) x^3 + 101 f(x) x^2 - 102 f(x) x - 10 x^2 + f(x)$$

Sequence: A172172
Score: 16.7281
Type of gen. func.: ogf

$$\frac{x (8 x + 1)}{(x - 1) (x^2 + x - 1)}$$

Sequence: A172172
Score: 18.3829
Type of gen. func.: lgdogf

$$- \frac{16 x^3 + 3 x^2 - 10}{(x - 1) (8 x + 1) (x^2 + x - 1)}$$

Sequence: A172172
Score: 8.19678
Type of gen. func.: ogf

$$-(1601 f(x) - 51040) (f(x) x^3 - 2 f(x) x - 8 x^2 + f(x) - x)$$

Sequence: A172172
Score: 8.71999
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 0, a(1) = 1, a(2) = 10\}$$

Sequence: A172173
Score: 11.5981
Type of gen. func.: lgdogf

$$- \frac{16 x^5 + 8 x^4 + 4 x^3 + 11 x^2 - 20 x - 1}{(x - 1) (x + 1) (8 x^2 + 1) (x^2 + x - 1)}$$

Sequence: A172173
Score: 12.4797
Type of gen. func.: ogf

$$\frac{x (8 x^2 + 1)}{(x - 1) (x + 1) (x^2 + x - 1)}$$

Sequence: A172173
Score: 5.96457
Type of gen. func.: ogf

$$-(9980 f(x) - 80191) (f(x) x^4 + f(x) x^3 - 2 f(x) x^2 - 8 x^3 - f(x) x + f(x) - x)$$

Sequence: A172174
Score: 14.1700
Type of gen. func.: revogf

$$- \frac{-1 - 91 x + (7921 x^2 + 182 x + 1)^{1/2}}{180 x}$$

Sequence: A172174
Score: 17.7184
Type of gen. func.: ogf

$$\frac{1}{(90 x - 1) (x - 1)}$$

Sequence: A172174
Score: 22.5671
Type of gen. func.: lgdogf

$$- \frac{-91 + 180 x}{(90 x - 1) (x - 1)}$$

Sequence: A172174
Score: 7.04709
Type of gen. func.: ogf

$$(8101 f(x) + 180) (90 f(x) x^2 - 91 f(x) x + f(x) - 1)$$

Sequence: A172174
Score: 7.29580
Type of gen. func.: ogf

{-a(n + 2) + 91 a(n + 1) - 90 a(n), a(0) = 1, a(1) = 91}

Sequence: A172175
Score: 12.8387
Type of gen. func.: lgdogf

$$-\frac{-111 + 220 x}{(110 x - 1) (x - 1)}$$

Sequence: A172175
Score: 17.7853
Type of gen. func.: ogf

$$\frac{1}{(110 x - 1) (x - 1)}$$

Sequence: A172175
Score: 7.23139
Type of gen. func.: ogf

$$(12101 f(x) + 220) (110 f(x) x^2 - 111 f(x) x + f(x) - 1)$$

Sequence: A172175
Score: 7.47791
Type of gen. func.: ogf

{-a(n + 2) + 111 a(n + 1) - 110 a(n), a(0) = 1, a(1) = 111}

Sequence: A172175
Score: 8.55913
Type of gen. func.: revogf

$$-\frac{-111 x - 1 + (11881 x^2 + 222 x + 1)^{1/2}}{220 x}$$

Sequence: A172178
Score: 17.2757
Type of gen. func.: ogf

$$\frac{98 x + 1}{(x - 1)^2}$$

Sequence: A172178
Score: 21.0687
Type of gen. func.: revogf

$$-\frac{-1 - 2 x + (1 + 396 x)^{1/2}}{2 (-98 + x)}$$

Sequence: A172178
Score: 28.8720
Type of gen. func.: lgdogf

$$-\frac{2 (50 + 49 x)}{(98 x + 1) (x - 1)}$$

Sequence: A172178
Score: 8.82978
Type of gen. func.: ogf

$$(99 f(x) + 4901) (f(x) x^2 - 2 f(x) x + f(x) - 98 x - 1)$$

Sequence: A172178
Score: 9.46048
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 100\}$$

Sequence: A172193
Score: 12.5539
Type of gen. func.: ogf

$$\frac{25 x^2 - 34 x - 1}{(x - 1)^3}$$

Sequence: A172193
Score: 19.3940
Type of gen. func.: lgdogf

$$- \frac{25 x^2 - 18 x - 37}{(x - 1) (25 x^2 - 34 x - 1)}$$

Sequence: A172193
Score: 6.37819
Type of gen. func.: ogf

$$(70100 f(x) - 10169837)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 25 x^2 - f(x) + 34 x + 1)$$

Sequence: A172193
Score: 6.93768
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 37, a(2) = 83\}$$

Sequence: A172200
Score: 31.4451
Type of gen. func.: lgdogf

$$- \frac{-23 + 8 x}{(x - 1) (2 x - 5)}$$

Sequence: A172200
Score: 4.95616
Type of gen. func.: ogf

{-5 n a(n + 3) + (16 + 7 n) a(n + 2) + (-4 - 2 n) a(n + 1), a(0) = 0, a(1) = 0,

a(2) = 0, a(3) = 20}

Sequence: A172200
Score: 9.47866
Type of gen. func.: ogf

$$\frac{4 x^3 (2 x - 5)}{(x - 1)^5}$$

Sequence: A172201
Score: 4.36670
Type of gen. func.: ogf

$$\frac{4 x^4 (x^7 - 7 x^6 + 13 x^5 + 23 x^4 - 32 x^3 - 60 x^2 - 46 x - 12)}{(x + 1)^2 (x - 1)^7}$$

Sequence: A172201
Score: 5.64032
Type of gen. func.: lgdogf

$$- \frac{2 (x^8 - 8 x^7 + 12 x^6 + 69 x^5 - 6 x^4 - 244 x^3 - 382 x^2 - 229 x - 53)}{(x - 1) (x + 1) (x^7 - 7 x^6 + 13 x^5 + 23 x^4 - 32 x^3 - 60 x^2 - 46 x - 12)}$$

Sequence: A172202
Score: 17.4381
Type of gen. func.: lgdogf

$$- \frac{2 (17 x^2 + 20 x + 17)}{(x - 1) (17 x^2 + 2 x + 8)}$$

Sequence: A172202
Score: 3.84140
Type of gen. func.: ogf

$$\{(-130356 n^2 + 152048 n) a(n) + (47223 n^2 - 823126 n + 292491) a(n + 1)$$

$$+ (83133 n^2 + 30611 n) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 8\}$$

Sequence: A172202
Score: 5.01516
Type of gen. func.: ogf

$$(3321 f(x) - 2320)$$

$$(f(x) x^4 - 4 f(x) x^3 - 17 x^4 + 6 f(x) x^2 - 2 x^3 - 4 f(x) x - 8 x^2 + f(x))$$

Sequence: A172202
Score: 9.25877
Type of gen. func.: ogf

$$\frac{x^2 (17 x^2 + 2 x + 8)}{(x - 1)^4}$$

Sequence: A172203
Score: 4.48236
Type of gen. func.: ogf

$$-\frac{x^2 (68 x^4 - 4 x^3 + 149 x^2 + 34 x + 9)}{(x - 1)^5}$$

Sequence: A172203
Score: 6.66444
Type of gen. func.: lgdogf

$$-\frac{68 x^4 + 264 x^3 + 435 x^2 + 434 x + 79}{{}^{4}\quad{}^{3}\quad{}^{2}}$$

$$(x - 1)\,(68 x - 4 x + 149 x + 34 x + 9)$$

Sequence: A172204
Score: 4.00672
Type of gen. func.: ogf

$$\frac{x^{2}\,(259 x^{6} - 204 x^{5} + 1294 x^{4} + 622 x^{3} + 1035 x^{2} + 104 x + 15)}{(x - 1)^{6}}$$

Sequence: A172205
Score: 3.76139
Type of gen. func.: ogf

$$- 2 x^{2}\,(475 x^{8} - 1015 x^{7} + 4398 x^{6} + 194 x^{5} + 10875 x^{4} + 5233 x^{3} + 3012 x^{2} + 148 x + 8) \Big/ (x - 1)^{7}$$

Sequence: A172206
Score: 3.42096
Type of gen. func.: ogf

$$x^{2}\,(3387 x^{10} - 13990 x^{9} + 57102 x^{8} - 55038 x^{7} + 217860 x^{6} + 137902 x^{5} + 324486 x^{4} + 120530 x^{3} + 30546 x^{2} + 734 x + 24) \Big/ (x - 1)^{8}$$

Sequence: A172207
Score: 6.89119
Type of gen. func.: ogf

$$\frac{2 x^{6} + 14 x^{3} + 8 x^{2} + 2 x + 1}{(x - 1)^{4}}$$

Sequence: A172207
Score: 8.38810
Type of gen. func.: lgdogf

$$\frac{2\,(2x^6-6x^5-7x^3-29x^2-11x-3)}{(x-1)\,(2x^6+14x^3+8x^2+2x+1)}$$

Sequence: A172208
Score: 4.07661
Type of gen. func.: ogf

$$-(2x^{12}-2x^{11}+4x^{10}-24x^9+50x^8-10x^7+41x^6-23x^5+152x^4+35x^3+26x^2+4x+1)\Big/(x-1)^5$$

Sequence: A172212
Score: 7.36344
Type of gen. func.: ogf

$$\frac{6x^6-8x^5+2x^4+24x^3-6x^2+8x+1}{(x-1)^4}$$

Sequence: A172212
Score: 8.27672
Type of gen. func.: lgdogf

$$\frac{4\,(3x^6-11x^5+10x^4-8x^3-15x^2-3x-3)}{(x-1)\,(6x^6-8x^5+2x^4+24x^3-6x^2+8x+1)}$$

Sequence: A172213
Score: 3.48345
Type of gen. func.: ogf

$$-(16x^9-20x^8-40x^7+172x^6-81x^5+41x^4+142x^3+14x^2+11x+1)\Big/(x-1)^5$$

Sequence: A172218
Score: 5.45591
Type of gen. func.: ogf

$$(2 x^{10} - 4 x^9 + 6 x^8 - 4 x^7 - 6 x^6 + 24 x^5 - 18 x^4 + 24 x^3 - 6 x^2 + 8 x + 1) \bigg/ (x - 1)^4$$

Sequence: A172221
Score: 6.04164
Type of gen. func.: ogf

$$\frac{2 x^8 - 4 x^7 + 2 x^6 - 8 x^5 + 28 x^4 - 20 x^3 + 10 x^2 + 16 x + 1}{(x - 1)^4}$$

Sequence: A172221
Score: 6.12568
Type of gen. func.: lgdogf

$$\frac{4 (2 x^8 - 7 x^7 + 8 x^6 - 5 x^5 + 10 x^4 - 23 x^3 + 10 x^2 - 17 x - 5)}{(x - 1) (2 x^8 - 4 x^7 + 2 x^6 - 8 x^5 + 28 x^4 - 20 x^3 + 10 x^2 + 16 x + 1)}$$

Sequence: A172225
Score: 18.0653
Type of gen. func.: lgdogf

$$- \frac{6 (x^2 - 4 x - 2)}{(x - 1) (2 x^2 - 7 x - 1)}$$

Sequence: A172225
Score: 7.86714
Type of gen. func.: ogf

$$2 x (2 x^2 - 7 x - 1)$$

$$\overline{(x-1)^5}$$

Sequence: A172226
Score: 4.62401
Type of gen. func.: ogf

$$\frac{2 x^2 (x^5 - 9 x^4 + 22 x^3 - 2 x^2 - 61 x - 11)}{(x - 1)^7}$$

Sequence: A172226
Score: 7.75983
Type of gen. func.: lgdogf

$$- \frac{2 (x^5 - 11 x^4 + 26 x^3 + 28 x^2 - 185 x - 69)}{(x - 1) (x^5 - 9 x^4 + 22 x^3 - 2 x^2 - 61 x - 11)}$$

Sequence: A172227
Score: 3.96918
Type of gen. func.: ogf

$$- \frac{x^2 (4 x^8 - 26 x^7 + 3 x^6 + 303 x^5 - 736 x^4 + 180 x^3 + 1595 x^2 + 351 x + 6)}{(x - 1)^9}$$

Sequence: A172229
Score: 15.5163
Type of gen. func.: lgdogf

$$- \frac{3 x^3 + 25 x^2 + 58 x + 22}{(x - 1) (3 x^3 + 8 x^2 + 14 x + 2)}$$

Sequence: A172229
Score: 4.74746
Type of gen. func.: ogf

$$\{(-729 n^2 - 543 n) a(n) + (-420 n^2 - 6698 n - 5038) a(n + 1)$$

$$+ (1149 n^2 + 1607 n + 458) a(n + 2), a(0) = 0, a(1) = 2\}$$

Sequence: A172229
Score: 5.14308
Type of gen. func.: ogf

$$-(367173 f(x) + 485594) (f(x) x^4 - 4 f(x) x^3 - 3 x^4 + 6 f(x) x^2 - 8 x^3$$

$$- 4 f(x) x - 14 x^2 + f(x) - 2 x)$$

Sequence: A172229
Score: 9.78439
Type of gen. func.: ogf

$$\frac{x (3 x^3 + 8 x^2 + 14 x + 2)}{(x - 1)^4}$$

Sequence: A172230
Score: 6.25477
Type of gen. func.: ogf

$$- \frac{x (4 x^5 + 12 x^4 + 67 x^3 + 120 x^2 + 51 x + 2)}{(x - 1)^5}$$

Sequence: A172230
Score: 8.84913
Type of gen. func.: lgdogf

$$- \frac{32 x^4 + 182 x^3 + 561 x^2 + 444 x + 61}{(x - 1) (4 x^5 + 12 x^4 + 67 x^3 + 120 x^2 + 51 x + 2)}$$

Sequence: A172232
Score: 4.18639
Type of gen. func.: ogf

$$-2x\,(3x^9-5x^8+100x^7+354x^6+2548x^5+7572x^4+9248x^3+3262x^2+245x+1)\Big/(x-1)^7$$

Sequence: A172241
Score: 10.4062
Type of gen. func.: ogf

$$\frac{x\,(4x+3)}{(x-1)(8x-1)(x+1)}$$

Sequence: A172241
Score: 10.8179
Type of gen. func.: lgdogf

$$-\frac{2\,(32x^3+34x^2-3x-14)}{(x-1)(8x-1)(4x+3)(x+1)}$$

Sequence: A172241
Score: 5.29603
Type of gen. func.: ogf

$$\{-a(n+3)+8a(n+2)+a(n+1)-8a(n),\ a(0)=0,\ a(1)=3,\ a(2)=28\}$$

Sequence: A172241
Score: 5.49218
Type of gen. func.: ogf

$$(28f(x)+9)\,(8f(x)x^3-f(x)x^2-8f(x)x-4x^2+f(x)-3x)$$

Sequence: A172242
Score: 5.74438
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (24 + 2 n) a(n + 1), a(0) = 1, a(1) = 22\}$$

Sequence: A172242
Score: 54.2478
Type of gen. func.: lgdogf

$$-\frac{22}{2 x - 1}$$

Sequence: A172244
Score: 10.7865
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^2 + 600 x + 1)}{x^4 - 15550 x^2 + 1}$$

Sequence: A172244
Score: 5.87623
Type of gen. func.: ogf

$$(94152089850624 f(x) - 3629733293461)$$

$$(f(x) x^4 - 15550 f(x) x^2 + x^3 + 599 x^2 + f(x) - 599 x - 1)$$

Sequence: A172252
Score: 14.2744
Type of gen. func.: ogf

$$\frac{10 x - 1}{(2 x - 1) (x - 1)}$$

Sequence: A172252
Score: 15.7688
Type of gen. func.: lgdogf

$$-\frac{(2 x + 1) (10 x - 7)}{(x - 1) (2 x - 1) (10 x - 1)}$$

Sequence: A172252
Score: 17.0137
Type of gen. func.: revogf

$$\frac{-1 + 3 x + (x^2 + 34 x + 1)^{1/2}}{4 (-5 + x)}$$

Sequence: A172252
Score: 7.46162
Type of gen. func.: ogf

$$(25 f(x) + 74) (2 f(x) x^2 - 3 f(x) x + f(x) - 10 x + 1)$$

Sequence: A172252
Score: 8.00761
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = -1, a(1) = 7\}$$

Sequence: A172254
Score: 10.4920
Type of gen. func.: ogf

$$\frac{2 x^4 + 2 x^3 - 3 x^2 + x - 1}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A172254
Score: 11.1244
Type of gen. func.: lgdogf

$$- \frac{2 x^6 - 6 x^5 + 3 x^4 + 4 x^3 + 6 x^2 - 6 x + 1}{(x - 1) (x + 1) (x^2 + 1) (2 x^4 + 2 x^3 - 3 x^2 + x - 1)}$$

Sequence: A172254
Score: 7.25508
Type of gen. func.: ogf

$$(262 f(x) - 15) (f(x) x^4 - 2 x^4 - 2 x^3 + 3 x^2 - f(x) - x + 1)$$

Sequence: A172264
Score: 8.39889
Type of gen. func.: ogf

$$x^4 (x^{19} + x^{15} + x^{12} + x^9 + x^6 + x^3 + 1) \Big/ ((x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^{10} - x^9 + x^8 - x^7 + x^6 - x^5 + x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A172269
Score: 5.91936
Type of gen. func.: ogf

$$x (2 x^{12} + x^{11} + x^{10} + x^9 + 2 x^8 + x^7 + x^6 + x^5 + 2 x^4 + x^3 + x^2 + x + 1) \Big/ ((x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A172272
Score: 6.17226
Type of gen. func.: ogf

$$x (2 x^{11} + 2 x^{10} + x^9 + 2 x^8 + x^7 + 2 x^6 + 2 x^5 + x^4 + 2 x^3 + x^2 + 2 x + 1) \Big/ ((x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2)$$

Sequence: A172274
Score: 8.72192
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{37} + x^{35} + x^9 - x^8 + x^6 + x^3 + x^2 + 1}{}$$

$$-x^{35} - x^{3} - 1$$

Sequence: A172277
Score: 7.81403
Type of gen. func.: ogf

$$\frac{x (x^{2} + x + 1) (x^{6} + x^{4} + x^{3} + x + 1)}{(x + 1) (x^{2} + 1) (x^{4} + 1) (x - 1)^{2}}$$

Sequence: A172285
Score: 14.2385
Type of gen. func.: ogf

$$-\frac{x (x + 2)}{(2 x - 1) (x + 1)^{2}}$$

Sequence: A172285
Score: 21.2589
Type of gen. func.: lgdogf

$$-\frac{4 x^{2} + 11 x + 1}{(2 x - 1) (x + 2) (x + 1)}$$

Sequence: A172285
Score: 8.11442
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 2, a(2) = 1\}$$

Sequence: A172285
Score: 8.47911
Type of gen. func.: ogf

$$(f(x) + 4) (2 f(x) x^{3} + 3 f(x) x^{2} + x^{2} - f(x) + 2 x)$$

Sequence: A172316
Score: 19.5633
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A172317
Score: 12.9651
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^7 - 1)}{(x - 1) (x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A172317
Score: 19.6674
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A172318
Score: 12.5913
Type of gen. func.: lgdogf

$$- \frac{9 x^8 - 2}{(x - 1) (x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A172318
Score: 19.8755
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A172319
Score: 11.2659
Type of gen. func.: lgdogf

$$-\frac{2\,(5\,x^{9}-1)}{(x-1)\,(x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x-1)}$$

Sequence: A172319
Score: 19.2909
Type of gen. func.: ogf

$$\frac{1}{(x-1)\,(x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x-1)}$$

Sequence: A172320
Score: 10.3574
Type of gen. func.: lgdogf

$$-\frac{11\,x^{10}-2}{(x-1)\,(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x-1)}$$

Sequence: A172320
Score: 19.2909
Type of gen. func.: ogf

$$\frac{1}{(x-1)\,(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x-1)}$$

Sequence: A172331
Score: 10.1258
Type of gen. func.: ogf

$$\frac{x\,(7\,x^{3}+6\,x^{2}+6\,x+6)}{(x+1)\,(x^{2}+1)\,(x-1)^{2}}$$

Sequence: A172331
Score: 8.55751
Type of gen. func.: lgdogf

$$-\frac{14 x^6 + 25 x^5 + 37 x^4 + 49 x^3 + 39 x^2 + 24 x + 12}{(x - 1) (x + 1) (x^2 + 1) (7 x^3 + 6 x^2 + 6 x + 6)}$$

Sequence: A172334
Score: 11.1906
Type of gen. func.: ogf

$$\frac{x (6 x^2 + 5 x + 5)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A172334
Score: 11.7310
Type of gen. func.: lgdogf

$$-\frac{12 x^4 + 21 x^3 + 31 x^2 + 22 x + 10}{(x - 1) (x^2 + x + 1) (6 x^2 + 5 x + 5)}$$

Sequence: A172334
Score: 4.25374
Type of gen. func.: ogf

$\{(16 n + 47) a(n + 1) + 16 a(n + 2) + 16 a(n + 3) + (-16 n - 31) a(n + 4),$

$a(0) = 0, a(1) = 5, a(2) = 10, a(3) = 16\}$

Sequence: A172334
Score: 6.01147
Type of gen. func.: ogf

$$(416 f(x) + 18631) (f(x) x^4 - f(x) x^3 - 6 x^3 - f(x) x - 5 x^2 + f(x) - 5 x)$$

Sequence: A172336
Score: 5.36713
Type of gen. func.: ogf

$$-\frac{5 x (x^{48} + 2 x^{47} + 75 x^{4} + 50 x^{3} + 30 x^{2} + 15 x + 5)}{3 x^{48} - 2 x^{47} - 75 x^{6} + 100 x^{5} - 5 x^{4} - 5 x^{3} - 5 x^{2} - 5 x - 5}$$

Sequence: A172336
Score: 6.12951
Type of gen. func.: lgdogf

$$\frac{2 (625000 x^{48} + 625000 x^{47} - 1275251 x^{3} - 760050 x^{2} - 377500 x - 125000)}{625000 x^{47} + 1275251 x^{4} - 515201 x^{3} - 382550 x^{2} - 252500 x - 125000}$$

Sequence: A172362
Score: 5.49999
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (36 + 3 n) a(n + 1), a(0) = 1, a(1) = 33\}$$

Sequence: A172362
Score: 51.9292
Type of gen. func.: lgdogf

$$-\frac{33}{3 x - 1}$$

Sequence: A172392
Score: 10.6366
Type of gen. func.: ogf

$$\mathrm{hypergeom}([1/2, 3/2], [3], 16 x)$$

Sequence: A172392
Score: 4.32380

Type of gen. func.: ogf

$$\{(-16 n^2 - 64 n - 60) a(n + 1) + (n^2 + 6 n + 8) a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A172397
Score: 16.0862
Type of gen. func.: ogf

$$\frac{1}{x^8 + x^3 - x^2 - x + 1}$$

Sequence: A172397
Score: 20.0429
Type of gen. func.: lgdogf

$$-\frac{8 x^7 + 3 x^2 - 2 x - 1}{x^8 + x^3 - x^2 - x + 1}$$

Sequence: A172399
Score: 17.3083
Type of gen. func.: ogf

$$\frac{1}{x^8 + x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A172399
Score: 17.3925
Type of gen. func.: lgdogf

$$-\frac{8 x^7 + 3 x^2 - 4 x - 2}{x^8 + x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A172416
Score: 4.65496
Type of gen. func.: ogf

$$(89 f(x) + 33) (2 f(x) x^4 + f(x) x^3 - 3 f(x) x^2 + x^3 - f(x) x + x^2 + f(x) - 1)$$

Sequence: A172416
Score: 8.60849
Type of gen. func.: ogf

$$-\frac{x^3 + x^2 - 1}{(2 x - 1) (x - 1) (x + 1)^2}$$

Sequence: A172416
Score: 9.60444
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 2 x^4 + 2 x^3 - 8 x^2 + 3 x + 1}{(x - 1) (2 x - 1) (x + 1) (x^3 + x^2 - 1)}$$

Sequence: A172430
Score: 9.70757
Type of gen. func.: ogf

$$-\frac{5 x^9 + 8 x^8 + 9 x^7 + 4 x^6 + 3 x^5 + 7 x^3 + 6 x^2 + x + 2}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A172432
Score: 2.1534
Type of gen. func.: ogf

$$-(f(x) x^2 - 2 f(x) x + f(x) - x)^2$$

Sequence: A172432
Score: 4.29176
Type of gen. func.: ogf_with_Euler_transform]

$$2 \exp\left(\frac{x^9}{2}\right)$$

Sequence: A172445
Score: 6.16008
Type of gen. func.: ogf

$$\left(688 x^{15} - 22 x^{14} + 41 x^{11} - 41 x^{10} + 38 x^6 + 2 x^5 - 2 x^4 + 4 x^3 - x^2 + 2 x + 1\right) \Big/ (x - 1)^2$$

Sequence: A172447
Score: 12.8188
Type of gen. func.: ogf

$$- \frac{2 x^2 - 2 x + 1}{(4 x - 1) (x - 1)^2}$$

Sequence: A172447
Score: 15.3782
Type of gen. func.: lgdogf

$$- \frac{2 (2 x - 1) (2 x^2 - x + 2)}{(x - 1) (4 x - 1) (2 x^2 - 2 x + 1)}$$

Sequence: A172447
Score: 6.85915
Type of gen. func.: ogf

$$(889 f(x) - 34) (4 f(x) x^3 - 9 f(x) x^2 + 6 f(x) x + 2 x^2 - f(x) - 2 x + 1)$$

Sequence: A172447
Score: 6.91986
Type of gen. func.: ogf

$\{a(n + 3) - 6 a(n + 2) + 9 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 4, a(2) = 17\}$

Sequence: A172448
Score: 9.06954
Type of gen. func.: lgdogf

$$\frac{1197 x^5 - 1423 x^4 - 1125 x^3 - 57 x^2 - 10 x - 2}{(x - 1) (399 x^5 + 286 x^4 + 19 x^3 + 5 x^2 + 1)}$$

Sequence: A172448
Score: 9.72253
Type of gen. func.: ogf

$$\frac{399 x^5 + 286 x^4 + 19 x^3 + 5 x^2 + 1}{(x - 1)^2}$$

Sequence: A172467
Score: 26.2167
Type of gen. func.: lgdogf

$$\frac{9 x^8}{(x + 1) (x^2 - x + 1) (x^6 - x^3 + 1)}$$

Sequence: A172474
Score: 8.79403
Type of gen. func.: ogf

$$x^3 (x^2 + 1) (x^{12} + x^7 - x^5 + x^4 + x^3 - x^2 + 1) / ((x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A172475
Score: 5.68418
Type of gen. func.: ogf

$$x^2 \left(x^{14} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^5 + x^4 + x^3 + x^2 + x + 1\right) \Big/ \left((x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^8 - x^7 + x^5 - x^4 + x^3 - x + 1) (x - 1)^2\right)$$

Sequence: A172481
Score: 15.1735
Type of gen. func.: ogf

$$- \frac{x^2 + x - 1}{(x + 1) (2 x - 1)^2}$$

Sequence: A172481
Score: 17.9593
Type of gen. func.: lgdogf

$$- \frac{(2 x + 1) (x^2 + 2 x - 2)}{(2 x - 1) (x + 1) (x^2 + x - 1)}$$

Sequence: A172481
Score: 8.55528
Type of gen. func.: ogf

$$(8 f(x) + 31) (4 f(x) x^3 - 3 f(x) x + x^2 + f(x) + x - 1)$$

Sequence: A172481
Score: 8.55529
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 4 a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A172482
Score: 11.7327
Type of gen. func.: ogf

$$\frac{(x+3)(x+1)}{(x-1)^4}$$

Sequence: A172482
Score: 24.8345
Type of gen. func.: lgdogf

$$-\frac{2(x^2+7x+8)}{(x-1)(x+3)(x+1)}$$

Sequence: A172482
Score: 3.98797
Type of gen. func.: ogf

$$\{(3n+12)a(n+4)+(-13+n)a(n+3)+(-20-3n)a(n+2)$$

$$+(-3-n)a(n+1),\ a(0)=3,\ a(1)=16,\ a(2)=47,\ a(3)=104\}$$

Sequence: A172482
Score: 5.82416
Type of gen. func.: ogf

$$(134656 f(x)+583081)$$

$$(f(x)x^4-4f(x)x^3+6f(x)x^2-4f(x)x-x^2+f(x)-4x-3)$$

Sequence: A172485
Score: 10.9481
Type of gen. func.: ogf

$$\frac{2x^2+2x+1}{6x^3+6x^2+3x+1}$$

Sequence: A172485
Score: 5.96279
Type of gen. func.: ogf

$$\{-a(n+3) - 3\,a(n+2) - 6\,a(n+1) - 6\,a(n),\ a(0) = 1,\ a(1) = -1,\ a(2) = -1\}$$

Sequence: A172485
Score: 7.50374
Type of gen. func.: ogf

$$-6\,f(x)\,x^3 - 6\,f(x)\,x^2 - 3\,f(x)\,x + 2\,x^2 - f(x) + 2\,x + 1$$

Sequence: A172492
Score: 4.90467
Type of gen. func.: ogf

$$\{(-n^3 - 7\,n^2 - 16\,n - 12)\,a(n+1) + a(n+2),\ a(0) = 1,\ a(1) = 2\}$$

Sequence: A172501
Score: 5.50384
Type of gen. func.: ogf

$$-\frac{1}{(6\,x - 1)^9}$$

Sequence: A172501
Score: 6.74999
Type of gen. func.: ogf

$$\{(-n - 2)\,a(n+2) + (60 + 6\,n)\,a(n+1),\ a(0) = 1,\ a(1) = 54\}$$

Sequence: A172510
Score: 10.4154
Type of gen. func.: ogf

$$-\frac{1}{(8\,x - 1)^5}$$

Sequence: A172510
Score: 39.2784
Type of gen. func.: lgdogf

$$-\frac{40}{8x-1}$$

Sequence: A172510
Score: 6.58332
Type of gen. func.: ogf

$$\{(-n-2)\,a(n+2)+(48+8n)\,a(n+1),\ a(0)=1,\ a(1)=40\}$$

Sequence: A172511
Score: 5.90389
Type of gen. func.: ogf

$$-\frac{2x^4-15x^3+24x^2-10x+1}{(x-1)(x^2-7x+1)(x^2-3x+1)}$$

Sequence: A172517
Score: 12.6382
Type of gen. func.: lgdogf

$$-\frac{5x^4+38x^3+78x^2+94x+25}{(x-1)(x+1)(x^3+6x^2+9x+8)}$$

Sequence: A172517
Score: 6.80271
Type of gen. func.: ogf

$$-\frac{4x^3(x^3+6x^2+9x+8)}{(x+1)^3(x-1)^5}$$

Sequence: A172518
Score: 3.43933
Type of gen. func.: ogf

$$-\frac{4\,x^{4}\,(9\,x^{6}+94\,x^{5}+199\,x^{4}+388\,x^{3}+151\,x^{2}+94\,x+25)}{(x+1)^{5}\,(x-1)^{7}}$$

Sequence: A172518
Score: 5.27176
Type of gen. func.: lgdogf

$$-\frac{2\,(27\,x^{7}+338\,x^{6}+917\,x^{5}+2180\,x^{4}+1541\,x^{3}+1250\,x^{2}+395\,x+72)}{(x-1)\,(x+1)\,(9\,x^{6}+94\,x^{5}+199\,x^{4}+388\,x^{3}+151\,x^{2}+94\,x+25)}$$

Sequence: A172525
Score: 14.5786
Type of gen. func.: ogf

$$\frac{111111111}{(x-1)^{2}}$$

Sequence: A172525
Score: 45.1342
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A172525
Score: 6.09919
Type of gen. func.: ogf

$$\{-a(n+2)+2\,a(n+1)-a(n),\ a(0)=111111111,\ a(1)=222222222\}$$

Sequence: A172525
Score: 73.2429
Type of gen. func.: lgdogf

$$-\frac{2}{x-1}$$

Sequence: A172525
Score: 8.92121
Type of gen. func.: ogf

$$-f(x)\,x^{2} + 2\,f(x)\,x - f(x) + 111111111$$

Sequence: A172525
Score: 9.93125
Type of gen. func.: revogf

$$\frac{49382716\,x}{(37037037 + (1371742109739369 + 49382716\,x)^{1/2})^{2}}$$

Sequence: A172529
Score: 6.14533
Type of gen. func.: ogf

$$\frac{2\,x\,(16\,x^{7} - 71\,x^{6} + 121\,x^{5} - 98\,x^{4} + 40\,x^{3} - 9\,x^{2} - 4\,x - 1)}{(x-1)^{5}}$$

Sequence: A172542
Score: 20.4096
Type of gen. func.: ogf

$$(f(x) - 1)^{2}$$

Sequence: A172964
Score: 6.48814
Type of gen. func.: ogf

$$\frac{2\,x\,(6\,x^{7} - 30\,x^{6} + 61\,x^{5} - 66\,x^{4} + 45\,x^{3} - 21\,x^{2} + x - 2)}{{}^{5}}$$

$$(x - 1)$$

Sequence: A172965
Score: 4.17648
Type of gen. func.: ogf

$$- 2 x^{2} (15 x^{9} - 141 x^{8} + 564 x^{7} - 1276 x^{6} + 1812 x^{5} - 1652 x^{4} + 908 x^{3} - 272 x^{2} + 99 x + 3) \Big/ (x - 1)^{7}$$

Sequence: A172968
Score: 13.4635
Type of gen. func.: ogf

$$- \frac{5 x - 1}{x^{2} - 7 x + 1}$$

Sequence: A172968
Score: 14.8420
Type of gen. func.: revogf

$$- \frac{-1 - 7 x + (45 x^{2} - 6 x + 1)^{1/2}}{2 (5 + x)}$$

Sequence: A172968
Score: 17.4612
Type of gen. func.: lgdogf

$$- \frac{5 x^{2} - 2 x + 2}{(5 x - 1) (x^{2} - 7 x + 1)}$$

Sequence: A172968
Score: 6.80742
Type of gen. func.: ogf

^{2}

```
          -(3 f(x) - 2) (f(x) x  - 7 f(x) x + f(x) + 5 x - 1)



-------------------------------------------------------------------------------

Sequence:  A172968
Score: 7.38852
Type of gen. func.: ogf


           {a(n + 2) - 7 a(n + 1) + a(n), a(0) = 1, a(1) = 2}



-------------------------------------------------------------------------------

Sequence:  A172978
Score: 5.53533
Type of gen. func.: ogf


     {(-n - 2) a(n + 2) + (48 + 4 n) a(n + 1), a(0) = 1, a(1) = 44}



-------------------------------------------------------------------------------

Sequence:  A172978
Score: 52.2894
Type of gen. func.: lgdogf


                                      44
                                  - -------
                                    4 x - 1



-------------------------------------------------------------------------------

Sequence:  A173000
Score: 4.68202
Type of gen. func.: ogf


     {(-n - 2) a(n + 2) + (54 + 9 n) a(n + 1), a(0) = 1, a(1) = 45}



-------------------------------------------------------------------------------

Sequence:  A173000
Score: 44.1094
Type of gen. func.: lgdogf


                                      45
                                  - -------
                                    9 x - 1



-------------------------------------------------------------------------------

Sequence:  A173000
Score: 7.40737
Type of gen. func.: ogf
```

$$-\frac{\qquad}{(9 x - 1)^{5}}$$

Sequence: A173009
Score: 4.57755
Type of gen. func.: ogf

$$(7 f(x) - 1) (2 f(x) x^{4} - 3 f(x) x^{3} - f(x) x^{2} + x^{3} + 3 f(x) x - x^{2} - f(x) + x)$$

Sequence: A173009
Score: 8.33993
Type of gen. func.: ogf

$$-\frac{x (x^{2} - x + 1)}{(x + 1) (2 x - 1) (x - 1)^{2}}$$

Sequence: A173010
Score: 4.29972
Type of gen. func.: ogf

$$-\frac{x^{2} (x^{4} - x^{3} + 1)}{(x + 1) (2 x - 1) (x^{2} + 1) (x - 1)^{2}}$$

Sequence: A173012
Score: 25.2206
Type of gen. func.: lgdogf

$$\frac{2 (1 + 3 x)}{3 x^{2} + 2 x + 1}$$

Sequence: A173012
Score: 4.81148
Type of gen. func.: ogf

$$\{-a(n + 3), a(0) = 1, a(1) = 2, a(2) = 3\}$$

Sequence: A173012
Score: 9.07309
Type of gen. func.: ogf

$$3 x^{2} + 2 x + 1 - f(x)$$

Sequence: A173013
Score: 4.49251
Type of gen. func.: ogf

$$\frac{5 x^{5} + 5 x^{4} - 4 x^{3} - 4 x^{2} - 3 x - 1}{(x - 1) (x + 1)}$$

Sequence: A173014
Score: 5.91632
Type of gen. func.: ogf

$$-(562 f(x) - 861) (f(x) x^{4} + 6 x^{4} + 4 x^{3} + 3 x^{2} - f(x) + 1)$$

Sequence: A173014
Score: 8.40698
Type of gen. func.: lgdogf

$$- \frac{2 x (2 x^{5} + 3 x^{4} + 14 x^{2} + 6 x + 3)}{(x - 1) (x + 1) (x^{2} + 1) (6 x^{4} + 4 x^{3} + 3 x^{2} + 1)}$$

Sequence: A173014
Score: 9.21393
Type of gen. func.: ogf

$$- \frac{6 x^{4} + 4 x^{3} + 3 x^{2} + 1}{(x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A173031
Score: 11.8925
Type of gen. func.: ogf

$$\frac{1}{(x-1)(x^2+x-1)(2x-1)^2}$$

Sequence: A173031
Score: 14.7051
Type of gen. func.: lgdogf

$$-\frac{10x^3-3x^2-12x+6}{(x-1)(2x-1)(x^2+x-1)}$$

Sequence: A173033
Score: 12.7064
Type of gen. func.: ogf

$$\frac{2x^2+x+1}{(2x-1)(x-1)}$$

Sequence: A173033
Score: 16.4958
Type of gen. func.: lgdogf

$$-\frac{4(2x^2-1)}{(x-1)(2x-1)(2x^2+x+1)}$$

Sequence: A173033
Score: 6.53823
Type of gen. func.: ogf

$\{-a(n+3)+3a(n+2)-2a(n+1), a(0)=1, a(1)=4, a(2)=12\}$

Sequence: A173033

Score: 9.48503
Type of gen. func.: ogf

$$-2 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x) + x + 1$$

Sequence: A173034
Score: 10.3735
Type of gen. func.: lgdogf

$$\frac{4 x^4 - 12 x^3 - 19 x^2 + 10 x + 5}{(x - 1) (2 x - 1) (2 x^3 + 7 x^2 + 2 x + 1)}$$

Sequence: A173034
Score: 10.7643
Type of gen. func.: ogf

$$\frac{2 x^3 + 7 x^2 + 2 x + 1}{(2 x - 1) (x - 1)}$$

Sequence: A173034
Score: 5.66055
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 3) + 2 a(n + 2), a(0) = 1, a(1) = 5, a(2) = 20, a(3) = 52\}$$

Sequence: A173034
Score: 5.9693
Type of gen. func.: ogf

$$-(874 f(x) - 1399) (2 f(x) x^2 - 2 x^3 - 3 f(x) x - 7 x^2 + f(x) - 2 x - 1)$$

Sequence: A173035
Score: 14.4992
Type of gen. func.: ogf

$$-\frac{x (5 x^2 + 6 x - 15)}{}$$

$$(x-1)^2$$

Sequence: A173035
Score: 25.9008
Type of gen. func.: lgdogf

$$-\frac{8(-3+2x)}{(x-1)(5x^2+6x-15)}$$

Sequence: A173035
Score: 7.24960
Type of gen. func.: ogf

$$\{-a(n+4)+2a(n+3)-a(n+2), a(0)=0, a(1)=15, a(2)=24, a(3)=28\}$$

Sequence: A173035
Score: 7.78662
Type of gen. func.: ogf

$$-(544 f(x)+53577)(f(x) x^2+5x^3-2 f(x) x+6x^2+f(x)-15x)$$

Sequence: A173036
Score: 13.0895
Type of gen. func.: ogf

$$-\frac{13x^2-25x+13}{(x-1)^3}$$

Sequence: A173036
Score: 20.5463
Type of gen. func.: lgdogf

$$-\frac{13x^2-24x+14}{(x-1)(13x^2-25x+13)}$$

Sequence: A173036
Score: 7.03976
Type of gen. func.: ogf

$$-(2 f(x) + 69) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 13 x^2 - f(x) - 25 x + 13)$$

Sequence: A173036
Score: 7.28462
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 13, a(1) = 14, a(2) = 16\}$$

Sequence: A173039
Score: 5.12216
Type of gen. func.: ogf

$$-\frac{5 x^8 + 3 x^7 + 21 x^6 + 30 x^5 + 6 x^4 + 14 x^3 - 3 x^2 - x - 3}{(x - 1)^3 (x^2 + x + 1)^3}$$

Sequence: A173041
Score: 11.5615
Type of gen. func.: ogf

$$-\frac{32 x - 5}{(10 x - 1) (x - 1)}$$

Sequence: A173041
Score: 11.8128
Type of gen. func.: revogf

$$-\frac{-5 - 11 x + (81 x^2 - 18 x + 25)^{1/2}}{4 (16 + 5 x)}$$

Sequence: A173041
Score: 12.3498
Type of gen. func.: lgdogf

$$-\frac{320 x^2 - 100 x + 23}{(x - 1) (32 x - 5) (10 x - 1)}$$

Sequence: A173041
Score: 5.78074
Type of gen. func.: ogf

$$-(153 f(x) - 236) (10 f(x) x^2 - 11 f(x) x + f(x) + 32 x - 5)$$

Sequence: A173041
Score: 6.52884
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 5, a(1) = 23\}$$

Sequence: A173044
Score: 10.6745
Type of gen. func.: lgdogf

$$-\frac{x^5 - 7 x^4 + 18 x^3 - 22 x^2 - 107 x - 27}{(x - 1) (x^5 - 6 x^4 + 14 x^3 - 16 x^2 - 15 x - 2)}$$

Sequence: A173044
Score: 6.96110
Type of gen. func.: ogf

$$-\frac{5 (x^5 - 6 x^4 + 14 x^3 - 16 x^2 - 15 x - 2)}{(x - 1)^6}$$

Sequence: A173078
Score: 11.1882
Type of gen. func.: lgdogf

$$8 x^4 + 4 x^3 + 13 x^2 - 10 x - 3$$

$$- \frac{}{(x - 1) (2 x - 1) (x + 1) (4 x^2 + x + 1)}$$

Sequence: A173078
Score: 11.5968
Type of gen. func.: ogf

$$\frac{4 x^2 + x + 1}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A173078
Score: 5.99493
Type of gen. func.: ogf

$$-(38 f(x) + 885) (2 f(x) x^3 - f(x) x^2 - 2 f(x) x - 4 x^2 + f(x) - x - 1)$$

Sequence: A173078
Score: 6.26019
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - a(n + 1) + 2 a(n), a(0) = 1, a(1) = 3, a(2) = 11\}$$

Sequence: A173089
Score: 18.6522
Type of gen. func.: ogf

$$- \frac{2 (12 x + 13)}{(x - 1)^3}$$

Sequence: A173089
Score: 37.4216
Type of gen. func.: lgdogf

$$- \frac{3 (17 + 8 x)}{(12 x + 13) (x - 1)}$$

Sequence: A173089
Score: 8.6938
Type of gen. func.: ogf

$$(1949375 f(x) - 66977062) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 24 x + 26)$$

Sequence: A173089
Score: 8.76812
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 26, a(1) = 102, a(2) = 228\}$$

Sequence: A173102
Score: 13.1915
Type of gen. func.: ogf

$$- \frac{(x + 2) (2 x + 1)}{(x + 1) (x - 1)^3}$$

Sequence: A173102
Score: 16.4433
Type of gen. func.: lgdogf

$$- \frac{4 x^3 + 19 x^2 + 22 x + 9}{(x - 1) (2 x + 1) (x + 2) (x + 1)}$$

Sequence: A173102
Score: 6.87761
Type of gen. func.: ogf

$$-(2 f(x) - 111) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x + 2 x^2 - f(x) + 5 x + 2)$$

Sequence: A173113
Score: 4.65586
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (60 + 5 n) a(n + 1), a(0) = 1, a(1) = 55\}$$

Sequence: A173113
Score: 40.2026
Type of gen. func.: lgdogf

$$-\frac{55}{5 x - 1}$$

Sequence: A173114
Score: 11.5525
Type of gen. func.: lgdogf

$$-\frac{8 x^4 + 20 x^3 - 15 x^2 - 2 x + 1}{(x - 1) (2 x - 1) (x + 1) (4 x^3 + 2 x^2 + x - 1)}$$

Sequence: A173114
Score: 5.11984
Type of gen. func.: ogf

$\{-a(n + 4) + 2 a(n + 3) + a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 1,$

$a(3) = -3\}$

Sequence: A173114
Score: 5.58528
Type of gen. func.: ogf

$$(10 f(x) - 11) (2 f(x) x^3 - f(x) x^2 + 4 x^3 - 2 f(x) x + 2 x^2 + f(x) + x - 1)$$

Sequence: A173114
Score: 9.79448
Type of gen. func.: ogf

$$-\frac{4 x^3 + 2 x^2 + x - 1}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A173115
Score: 3.77069
Type of gen. func.: ogf

$\{a(n + 3) - 99 a(n + 2) + 99 a(n + 1) - a(n), a(0) = 0, a(1) = 24, a(2) = 2400\}$

Sequence: A173115
Score: 3.93903
Type of gen. func.: ogf

$$(25 f(x) + 6) (f(x) x^3 - 99 f(x) x^2 + 99 f(x) x + 24 x^2 - f(x) + 24 x)$$

Sequence: A173115
Score: 7.23231
Type of gen. func.: ogf

$$- \frac{24 x (x + 1)}{(x - 1) (x^2 - 98 x + 1)}$$

Sequence: A173115
Score: 9.03076
Type of gen. func.: lgdogf

$$- \frac{2 (x^3 - 48 x^2 - 99 x + 50)}{(x - 1) (x + 1) (x^2 - 98 x + 1)}$$

Sequence: A173116
Score: 14.8043
Type of gen. func.: lgdogf

$$- \frac{2 (x^3 + 9 x^2 + 15 x + 5)}{(x - 1) (x + 1) (x^2 + 4 x + 1)}$$

Sequence: A173116
Score: 3.95612
Type of gen. func.: ogf

$\{(n^2 + 2 n) a(n + 1) + (-2 n^2 - 8 n - 36) a(n + 2) + (n^2 + 6 n + 8) a(n + 3),$

$a(0) = 0, a(1) = 8, a(2) = 80\}$

Sequence: A173116
Score: 7.27415
Type of gen. func.: ogf

$$- \frac{8 x (x + 1) (x^2 + 4 x + 1)}{(x - 1)^5}$$

Sequence: A173121
Score: 31.6643
Type of gen. func.: lgdogf

$$- \frac{2 (3 + 2 x)}{(x - 1) (x + 1)}$$

Sequence: A173121
Score: 33.1952
Type of gen. func.: ogf_with_Euler_transform]

$$[6 - x]$$

Sequence: A173121
Score: 5.28981
Type of gen. func.: ogf

$\{(n + 1) a(n + 3) - 6 a(n + 2) + (-3 - n) a(n + 1), a(0) = 0, a(1) = 0,$

$a(2) = 48\}$

Sequence: A173121
Score: 8.68574
Type of gen. func.: ogf

$$- \frac{48 x^2 (x + 1)}{5}$$

$$(x - 1)$$

Sequence: A173123
Score: 4.70817
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (66 + 6 n) a(n + 1), a(0) = 1, a(1) = 60\}$$

Sequence: A173124
Score: 4.89126
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (72 + 6 n) a(n + 1), a(0) = 1, a(1) = 66\}$$

Sequence: A173124
Score: 46.1258
Type of gen. func.: lgdogf

$$-\frac{66}{6 x - 1}$$

Sequence: A173125
Score: 7.81436
Type of gen. func.: lgdogf

$$-\frac{2 x^8 + 8 x^7 - 14 x^6 - 8 x^5 + 19 x^4 + 4 x^3 - 9 x^2 + 1}{(x - 1) (2 x - 1) (x^2 + x - 1) (x^2 - x - 1) (x^3 + 3 x^2 - 1)}$$

Sequence: A173125
Score: 8.21935
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^3 + 3 x^2 - 1)}{(2 x - 1) (x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A173126
Score: 12.9739
Type of gen. func.: ogf

$$-\frac{x^4}{(2x-1)(x^2+x-1)(x^2-x-1)}$$

Sequence: A173126
Score: 13.2056
Type of gen. func.: lgdogf

$$-\frac{2(5x^4-2x^3-9x^2+3x+1)}{(2x-1)(x^2+x-1)(x^2-x-1)}$$

Sequence: A173126
Score: 6.32062
Type of gen. func.: ogf

$$2f(x)x^5-f(x)x^4-6f(x)x^3+x^4+3f(x)x^2+2f(x)x-f(x)$$

Sequence: A173127
Score: 11.6102
Type of gen. func.: ogf

$$\frac{3(39x-1)}{x^2-38x+1}$$

Sequence: A173127
Score: 11.6803
Type of gen. func.: revogf

$$\frac{-3+38x+(1440x^2+240x+9)^{1/2}}{2(-117+x)}$$

Sequence: A173127

Score: 14.4467
Type of gen. func.: lgdogf

$$-\frac{39 x^2 - 2 x - 1}{(39 x - 1) (x^2 - 38 x + 1)}$$

Sequence: A173127
Score: 5.92862
Type of gen. func.: ogf

$$(1520 f(x) + 4557) (f(x) x^2 - 38 f(x) x + f(x) - 117 x + 3)$$

Sequence: A173127
Score: 6.71435
Type of gen. func.: ogf

$$\{-a(n + 2) + 38 a(n + 1) - a(n), a(0) = -3, a(1) = 3\}$$

Sequence: A173141
Score: 18.7607
Type of gen. func.: ogf

$$-\frac{2 (24 x + 25)}{(x - 1)^3}$$

Sequence: A173141
Score: 36.3014
Type of gen. func.: lgdogf

$$-\frac{3 (33 + 16 x)}{(24 x + 25) (x - 1)}$$

Sequence: A173141
Score: 8.67092
Type of gen. func.: ogf

$$(9519965 f(x) - 637815082) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 48 x + 50)$$

Sequence: A173141
Score: 8.81915
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 50, a(1) = 198, a(2) = 444\}$$

Sequence: A173151
Score: 6.48549
Type of gen. func.: ogf

$$-\frac{x^5 - x^4 + 1}{(x^2 + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A173151
Score: 7.57241
Type of gen. func.: lgdogf

$$-\frac{2 x^8 - 2 x^7 + 2 x^6 - 2 x^5 + 4 x^4 + 3 x^3 + x^2 + 3 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^5 - x^4 + 1)}$$

Sequence: A173154
Score: 10.9997
Type of gen. func.: ogf

$$\frac{x^4 - x^3 + x + 1}{(x + 1) (x - 1)^4}$$

Sequence: A173154
Score: 18.3865
Type of gen. func.: lgdogf

$$-\frac{x^5 + x^4 + x^3 + x^2 + 8 x + 4}{(x - 1) (x + 1) (x^4 - x^3 + x + 1)}$$

Sequence: A173155
Score: 4.68202
Type of gen. func.: ogf

$$\{(-n-2)\,a(n+2) + (56+8\,n)\,a(n+1),\ a(0) = 1,\ a(1) = 48\}$$

Sequence: A173155
Score: 40.4336
Type of gen. func.: lgdogf

$$-\frac{48}{8\,x-1}$$

Sequence: A173155
Score: 5.77086
Type of gen. func.: ogf

$$\frac{1}{(8\,x-1)^6}$$

Sequence: A173173
Score: 10.1978
Type of gen. func.: ogf

$$-\frac{x\,(x^3+x^2-1)}{(x-1)\,(x^2+x+1)\,(x^2+x-1)}$$

Sequence: A173173
Score: 10.5820
Type of gen. func.: lgdogf

$$-\frac{2\,x^7+4\,x^6+2\,x^5-5\,x^4-2\,x^3+x^2+1}{(x-1)\,(x^2+x+1)\,(x^2+x-1)\,(x^3+x^2-1)}$$

Sequence: A173173
Score: 5.00621
Type of gen. func.: ogf

$$(f(x)^2 + f(x) + 1) (f(x) x^5 + f(x) x^4 - f(x) x^3 + x^4 - f(x) x^2 + x^3 - f(x) x + f(x) - x)$$

Sequence: A173184
Score: 3.87864
Type of gen. func.: ogf

$$\{(n + 3) a(n + 1) + (-n - 4) a(n + 3) + a(n + 4), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 4\}$$

Sequence: A173187
Score: 3.68968
Type of gen. func.: ogf

$$-(f(x) + 1) (6561 f(x) x^4 - 2916 f(x) x^3 + 486 f(x) x^2 - 36 f(x) x + f(x) - 1)$$

Sequence: A173187
Score: 39.0473
Type of gen. func.: lgdogf

$$- \frac{36}{9 x - 1}$$

Sequence: A173187
Score: 4.52508
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (45 + 9 n) a(n + 1), a(0) = 1, a(1) = 36\}$$

Sequence: A173187
Score: 8.26997
Type of gen. func.: ogf

$$\frac{1}{(9 x - 1)^{4}}$$

Sequence: A173188
Score: 4.86511
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (63 + 9 n) a(n + 1), a(0) = 1, a(1) = 54\}$$

Sequence: A173188
Score: 45.8738
Type of gen. func.: lgdogf

$$- \frac{54}{9 x - 1}$$

Sequence: A173188
Score: 5.92761
Type of gen. func.: ogf

$$\frac{1}{(9 x - 1)^{6}}$$

Sequence: A173191
Score: 4.96974
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (72 + 9 n) a(n + 1), a(0) = 1, a(1) = 63\}$$

Sequence: A173191
Score: 46.8820
Type of gen. func.: lgdogf

$$- \frac{63}{9 x - 1}$$

Sequence: A173191
Score: 5.26792
Type of gen. func.: ogf

$$-\frac{1}{(9x-1)^{7}}$$

Sequence: A173192
Score: 47.8902
Type of gen. func.: lgdogf

$$-\frac{72}{9x-1}$$

Sequence: A173192
Score: 5.07436
Type of gen. func.: ogf

$$\{(-n-2)\,a(n+2)+(81+9n)\,a(n+1),\ a(0)=1,\ a(1)=72\}$$

Sequence: A173193
Score: 11.5615
Type of gen. func.: ogf

$$-\frac{50x-7}{(10x-1)(x-1)}$$

Sequence: A173193
Score: 12.3498
Type of gen. func.: lgdogf

$$-\frac{500x^{2}-140x+27}{(x-1)(50x-7)(10x-1)}$$

Sequence: A173193
Score: 12.3498
Type of gen. func.: revogf

2 1/2

$$-\frac{-7 - 11 x + (81 x - 46 x + 49)}{20 (5 + x)}$$

Sequence: A173193
Score: 5.78074
Type of gen. func.: ogf

$$-(157 f(x) - 370) (10 f(x) x^2 - 11 f(x) x + f(x) + 50 x - 7)$$

Sequence: A173193
Score: 6.52884
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 7, a(1) = 27\}$$

Sequence: A173196
Score: 13.2067
Type of gen. func.: ogf

$$\frac{x^2}{(x + 1) (x - 1)^4}$$

Sequence: A173196
Score: 38.1590
Type of gen. func.: ogf_with_Euler_transform]

[x + 3]

Sequence: A173196
Score: 39.8912
Type of gen. func.: lgdogf

$$-\frac{3 + 5 x}{(x - 1) (x + 1)}$$

Sequence: A173196

Score: 6.10308
Type of gen. func.: ogf

$$\{(-1 - n)\, a(n + 3) + 3\, a(n + 2) + (n + 4)\, a(n + 1),\ a(0) = 0,\ a(1) = 0,\ a(2) = 1\}$$

Sequence: A173197
Score: 16.8436
Type of gen. func.: ogf

$$- \frac{5 x^3 - x^2 + x - 1}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A173197
Score: 17.9245
Type of gen. func.: lgdogf

$$- \frac{3 x^4 + 24 x^3 - 24 x^2 + 4 x + 1}{(x - 1) (2 x - 1) (x + 1) (5 x^3 - x^2 + x - 1)}$$

Sequence: A173197
Score: 8.80462
Type of gen. func.: ogf

$$\{-a(n + 4) + 2\, a(n + 3) + a(n + 2) - 2\, a(n + 1),\ a(0) = 1,\ a(1) = 1,\ a(2) = 4,\ a(3) = 2\}$$

Sequence: A173197
Score: 9.52632
Type of gen. func.: ogf

$$(39 f(x) - 179) (2 f(x) x^3 - f(x) x^2 + 5 x^3 - 2 f(x) x - x^2 + f(x) + x - 1)$$

Sequence: A173200
Score: 17.6616
Type of gen. func.: lgdogf

$$-\frac{2\,(11\,x^2 + 50\,x + 35)}{(x - 1)\,(11\,x^2 + 26\,x + 11)}$$

Sequence: A173200
Score: 3.61798
Type of gen. func.: ogf

$$\{(-33 - 11\,n)\,a(n + 4) + (40 - 15\,n)\,a(n + 3) + (115 + 15\,n)\,a(n + 2)$$
$$+ (22 + 11\,n)\,a(n + 1),\ a(0) = 0,\ a(1) = 11,\ a(2) = 70,\ a(3) = 225\}$$

Sequence: A173200
Score: 5.18992
Type of gen. func.: ogf

$$(40800\,f(x) + 462017)$$
$$(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - 11\,x^3 - 4\,f(x)\,x - 26\,x^2 + f(x) - 11\,x)$$

Sequence: A173200
Score: 9.90183
Type of gen. func.: ogf

$$\frac{x\,(11\,x^2 + 26\,x + 11)}{(x - 1)^4}$$

Sequence: A173202
Score: 10.0726
Type of gen. func.: ogf

$$\frac{x\,(5\,x^2 + 38\,x + 5)}{(x - 1)^4}$$

Sequence: A173202
Score: 18.8365
Type of gen. func.: lgdogf

$$-\frac{2(5x^2+62x+29)}{(x-1)(5x^2+38x+5)}$$

Sequence: A173202
Score: 3.65378
Type of gen. func.: ogf

{(-15 - 5 n) a(n + 4) + (-8 - 33 n) a(n + 3) + (157 + 33 n) a(n + 2)

+ (10 + 5 n) a(n + 1), a(0) = 0, a(1) = 5, a(2) = 58, a(3) = 207}

Sequence: A173202
Score: 5.21239
Type of gen. func.: ogf

(43680 f(x) + 666191)

$$(f(x)x^4 - 4f(x)x^3 + 6f(x)x^2 - 5x^3 - 4f(x)x - 38x^2 + f(x) - 5x)$$

Sequence: A173205
Score: 13.0511
Type of gen. func.: ogf

$$\frac{1}{x^2-98x+1}$$

Sequence: A173205
Score: 18.8468
Type of gen. func.: lgdogf

$$-\frac{2(-49+x)}{x^2-98x+1}$$

Sequence: A173205
Score: 5.22043
Type of gen. func.: ogf

$$(4801 f(x) + 1) (f(x) x^2 - 98 f(x) x + f(x) - 1)$$

Sequence: A173205
Score: 5.28257
Type of gen. func.: ogf

$$\{-a(n + 2) + 98 a(n + 1) - a(n), a(0) = 1, a(1) = 98\}$$

Sequence: A173205
Score: 9.22291
Type of gen. func.: revogf

$$- \frac{-1 - 98 x + (1 + 100 x)^{1/2} (96 x + 1)^{1/2}}{2 x}$$

Sequence: A173208
Score: 7.56661
Type of gen. func.: ogf

$$(f(x) x^2 - 18 f(x) x + f(x) + 2 x - 2)^2$$

Sequence: A173227
Score: 3.71549
Type of gen. func.: ogf

$$\{(-n^2 - 5 n - 6) a(n + 1) + (n^2 + 7 n + 13) a(n + 2) + (-2 n - 8) a(n + 3)$$
$$+ a(n + 4), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 18\}$$

Sequence: A173234
Score: 8.43890
Type of gen. func.: ogf

$$- \frac{x (x^5 - 2 x^4 + 2 x^3 - 3 x^2 - 1)}{(x + 1) (x - 1)^2 (x^2 + 1)^2}$$

Sequence: A173234
Score: 9.49911
Type of gen. func.: lgdogf

$$-\frac{2 x^8 - 5 x^7 + 5 x^6 - 10 x^5 - 2 x^4 - 10 x^3 + 2 x^2 - 5 x - 1}{(x - 1) (x + 1) (x^2 + 1) (x^5 - 2 x^4 + 2 x^3 - 3 x^2 - 1)}$$

Sequence: A173237
Score: 17.6994
Type of gen. func.: ogf

$$\frac{10 x + 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A173237
Score: 22.8493
Type of gen. func.: lgdogf

$$-\frac{2 (15 x^2 + 2 x + 5)}{(x - 1) (10 x + 1) (x + 1)}$$

Sequence: A173237
Score: 4.38104
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (-20 - 10 n) a(n + 3) + (6 + n) a(n + 2)$$
$$+ (40 + 10 n) a(n + 1), a(0) = 1, a(1) = 10, a(2) = 2, a(3) = 20\}$$

Sequence: A173237
Score: 9.03031
Type of gen. func.: ogf

$$-(5841 f(x) - 385199) (f(x) x^4 - 2 f(x) x^2 + f(x) - 10 x - 1)$$

Sequence: A173243

Score: 4.19197
Type of gen. func.: ogf

$$\frac{(x+1)^{10}}{x^{10}+x^{9}-x^{7}-x^{6}-x^{5}-x^{4}-x^{3}+x+1}$$

Sequence: A173243
Score: 7.15189
Type of gen. func.: lgdogf

$$-\frac{(x-1)\,(9x^{8}+18x^{7}+21x^{6}+18x^{5}+17x^{4}+18x^{3}+21x^{2}+18x+9)}{(x+1)\,(x^{10}+x^{9}-x^{7}-x^{6}-x^{5}-x^{4}-x^{3}+x+1)}$$

Sequence: A173244
Score: 5.17628
Type of gen. func.: ogf

$$\frac{x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1}{x^{10}+x^{9}-x^{7}-x^{6}-x^{5}-x^{4}-x^{3}+x+1}$$

Sequence: A173245
Score: 19.9948
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10}-10x+9$$

Sequence: A173245
Score: 5.53240
Type of gen. func.: lgdogf

$$-\frac{(x-1)\,(9x^{8}+16x^{7}+21x^{6}+24x^{5}+25x^{4}+24x^{3}+21x^{2}+16x+9)}{(x+1)\,(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)}$$

Sequence: A173246
Score: 26.2439
Type of gen. func.: ogf_with_Euler_transform]

$$[49 - 50 x]$$

Sequence: A173246
Score: 27.3701
Type of gen. func.: lgdogf

$$\frac{-49 + 51 x}{(x - 1) (x + 1)}$$

Sequence: A173246
Score: 4.38661
Type of gen. func.: ogf

$\{(-3 - n) a(n + 3) + 49 a(n + 2) + (-50 + n) a(n + 1), a(0) = 1, a(1) = 49,$

$a(2) = 1175\}$

Sequence: A173247
Score: 10.7704
Type of gen. func.: ogf

$$\frac{x^3 - x^2 - 1}{(x + 1)^3}$$

Sequence: A173247
Score: 24.7803
Type of gen. func.: lgdogf

$$\frac{4 x^2 - 2 x + 3}{(x + 1) (x^3 - x^2 - 1)}$$

Sequence: A173247
Score: 5.26372
Type of gen. func.: ogf

$\{a(n + 4) + 3 a(n + 3) + 3 a(n + 2) + a(n + 1), a(0) = -1, a(1) = 3, a(2) = -7,$

$a(3) = 14\}$

Sequence: A173247
Score: 5.93284
Type of gen. func.: ogf

$$(135 f(x) - 19) (f(x) x^3 + 3 f(x) x^2 - x^3 + 3 f(x) x + x^2 + f(x) + 1)$$

Sequence: A173248
Score: 23.3014
Type of gen. func.: lgdogf

$$\frac{5 x^3 - 3 x^2 + 4}{(x + 1) (x^4 - x^3 - 1)}$$

Sequence: A173248
Score: 4.94056
Type of gen. func.: ogf

$$-(32 f(x) + 4037)$$

$$(f(x) x^4 + 4 f(x) x^3 - x^4 + 6 f(x) x^2 + x^3 + 4 f(x) x + f(x) + 1)$$

Sequence: A173248
Score: 9.54273
Type of gen. func.: ogf

$$\frac{x^4 - x^3 - 1}{(x + 1)^4}$$

Sequence: A173254
Score: 7.13713
Type of gen. func.: lgdogf

12 10 9 8 7 6 4 3

$$-\frac{x + x - 2 x + 2 x + 6 x - 3 x + 6 x - 2 x + 2 x + 1}{(x - 1) (x + 1) (x^7 - x^6 + x^3 - x + 1) (x^4 + 1)}$$

Sequence: A173254
Score: 7.22949
Type of gen. func.: ogf

$$-\frac{x^7 - x^6 + x^3 - x + 1}{(x + 1) (x^4 + 1) (x - 1)^3}$$

Sequence: A173259
Score: 13.1926
Type of gen. func.: ogf

{a(n + 3) - a(n), a(0) = 4, a(1) = 1, a(2) = 4}

Sequence: A173259
Score: 18.9177
Type of gen. func.: ogf

$$f(x) x^3 + 4 x^2 - f(x) + x + 4$$

Sequence: A173259
Score: 19.6797
Type of gen. func.: lgdogf

$$-\frac{(2 x + 1) (2 x^3 + 6 x + 1)}{(x - 1) (x^2 + x + 1) (4 x^2 + x + 4)}$$

Sequence: A173259
Score: 20.4620
Type of gen. func.: ogf

$$-\frac{4 x^2 + x + 4}{2}$$

$$(x - 1) (x + x + 1)$$

Sequence: A173262
Score: 11.5615
Type of gen. func.: ogf

$$- \frac{70 x - 9}{(10 x - 1) (x - 1)}$$

Sequence: A173262
Score: 12.3498
Type of gen. func.: lgdogf

$$- \frac{700 x^2 - 180 x + 29}{(x - 1) (70 x - 9) (10 x - 1)}$$

Sequence: A173262
Score: 12.3498
Type of gen. func.: revogf

$$- \frac{-9 - 11 x + (81 x^2 - 82 x + 81)^{1/2}}{20 (7 + x)}$$

Sequence: A173262
Score: 5.78074
Type of gen. func.: ogf

$$-(139 f(x) - 410) (10 f(x) x^2 - 11 f(x) x + f(x) + 70 x - 9)$$

Sequence: A173262
Score: 6.52884
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 9, a(1) = 29\}$$

Sequence: A173267

Score: 17.4863
Type of gen. func.: ogf

```
                                  2 (60 x + 61)
                                - -------------
                                           3
                                    (x - 1)
```

Sequence: A173267
Score: 35.0598
Type of gen. func.: lgdogf

```
                                  3 (81 + 40 x)
                             - -------------------
                               (60 x + 61) (x - 1)
```

Sequence: A173267
Score: 7.97374
Type of gen. func.: ogf

```
(117464743 f(x) - 19373103446)

           3            2
    (f(x) x  - 3 f(x) x  + 3 f(x) x - f(x) + 120 x + 122)
```

Sequence: A173267
Score: 8.37578
Type of gen. func.: ogf

```
{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 122, a(1) = 486, a(2) = 1092

    }
```

Sequence: A173275
Score: 17.8823
Type of gen. func.: ogf

```
                                  2 (84 x + 85)
                                - -------------
                                           3
                                    (x - 1)
```

Sequence: A173275
Score: 34.6290
Type of gen. func.: lgdogf

$$-\frac{3\,(113 + 56\,x)}{(84\,x + 85)\,(x - 1)}$$

Sequence: A173275
Score: 8.08957
Type of gen. func.: ogf

$$(574218905\,f(x) - 132193545178)$$
$$(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x - f(x) + 168\,x + 170)$$

Sequence: A173275
Score: 8.56546
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 170,\ a(1) = 678,\ a(2) = 1524\}$$

Sequence: A173276
Score: 14.1617
Type of gen. func.: ogf

$$\frac{(x + 1)\,(x^{2} - x + 1)}{(x^{4} + x^{3} + x^{2} + x + 1)\,(x - 1)^{2}}$$

Sequence: A173276
Score: 21.7427
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{5} + x^{4} + x^{2} + 1$$

Sequence: A173276
Score: 6.42033
Type of gen. func.: lgdogf

$$-\frac{3\,x^{7} + x^{6} + x^{5} + 7\,x^{4} + 2\,x^{3} + 4\,x^{2} + x + 1}{}$$

$$(x - 1) (x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1)$$

Sequence: A173277
Score: 19.0268
Type of gen. func.: ogf_with_Euler_transform]

$$3 x^{15} + 3 x^7 + 3 x^3 + 3 x + 4$$

Sequence: A173294
Score: 15.6126
Type of gen. func.: ogf

$$\frac{x^4 - 26 x^2 - 7}{(x + 1)^2 (x - 1)^3}$$

Sequence: A173294
Score: 21.4179
Type of gen. func.: lgdogf

$$- \frac{x^5 + x^4 - 74 x^3 - 26 x^2 - 87 x - 7}{(x - 1) (x + 1) (x^4 - 26 x^2 - 7)}$$

Sequence: A173299
Score: 7.01977
Type of gen. func.: ogf

$$\frac{x^9 - x^7 + x^6 - 15 x^5 + 5 x^4 + 7 x^3 + 5 x^2 + 2 x + 1}{(x^4 - 4 x^2 + 1) (x^4 + 4 x^2 + 1)}$$

Sequence: A173300
Score: 13.1352
Type of gen. func.: ogf

$$2 x^5 - 2 x^3 - 2 x^2 - x - 1$$

$$\frac{}{(2 x^2 - 1) (2 x^2 + 1)}$$

Sequence: A173300
Score: 9.18051
Type of gen. func.: ogf

$$(61 f(x) + 46) (4 f(x) x^4 - 2 x^5 + 2 x^3 + 2 x^2 - f(x) + x + 1)$$

Sequence: A173300
Score: 9.42104
Type of gen. func.: lgdogf

$$\frac{8 x^8 + 8 x^6 + 16 x^5 + 2 x^4 + 16 x^3 + 6 x^2 + 4 x + 1}{(2 x^2 - 1) (2 x^2 + 1) (2 x^5 - 2 x^3 - 2 x^2 - x - 1)}$$

Sequence: A173307
Score: 10.5603
Type of gen. func.: ogf

$$f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 26 x$$

Sequence: A173307
Score: 16.1188
Type of gen. func.: ogf

$$- \frac{26 x}{(x - 1)^3}$$

Sequence: A173307
Score: 56.6443
Type of gen. func.: ogf_with_Euler_transform]

[3]

Sequence: A173307
Score: 6.56164
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 26, a(2) = 78}

Sequence: A173307
Score: 91.2998
Type of gen. func.: lgdogf

$$-\frac{3}{x - 1}$$

Sequence: A173308
Score: 10.4942
Type of gen. func.: ogf

$$f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x - f(x) + 34\,x$$

Sequence: A173308
Score: 16.6000
Type of gen. func.: ogf

$$-\frac{34\,x}{(x - 1)^3}$$

Sequence: A173308
Score: 58.3352
Type of gen. func.: ogf_with_Euler_transform]

[3]

Sequence: A173308
Score: 6.69823
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 34, a(2) = 102}

Sequence: A173308
Score: 94.0664
Type of gen. func.: lgdogf

$$-\frac{3}{x-1}$$

Sequence: A173309
Score: 16.7603
Type of gen. func.: ogf

$$-\frac{38x}{(x-1)^3}$$

Sequence: A173309
Score: 58.8988
Type of gen. func.: ogf_with_Euler_transform]

[3]

Sequence: A173309
Score: 6.76295
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 38, a(2) = 114}

Sequence: A173309
Score: 9.88431
Type of gen. func.: ogf

$$f(x)x^3 - 3f(x)x^2 + 3f(x)x - f(x) + 38x$$

Sequence: A173309
Score: 94.9887
Type of gen. func.: lgdogf

$$-\frac{3}{x-1}$$

Sequence: A173314
Score: 3.33656
Type of gen. func.: ogf

$$\{(-n^2 - 4 n - 4) a(n + 1) + (n^2 + 5 n + 5) a(n + 2) + (-1 - n) a(n + 3),$$

$$a(0) = 7, a(1) = 7, a(2) = 13\}$$

Sequence: A173315
Score: 10.5791
Type of gen. func.: ogf

$$\frac{14 x^3 + 12 x^2 + 5 x + 1}{(2 x + 1) (2 x^2 + 2 x + 1)}$$

Sequence: A173315
Score: 13.4480
Type of gen. func.: lgdogf

$$\frac{(6 x^2 + 6 x + 1)^2}{(2 x + 1) (14 x^3 + 12 x^2 + 5 x + 1) (2 x^2 + 2 x + 1)}$$

Sequence: A173315
Score: 5.69027
Type of gen. func.: ogf

$$\{a(n + 4) + 4 a(n + 3) + 6 a(n + 2) + 4 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 2,$$

$$a(3) = -4\}$$

Sequence: A173315
Score: 6.00892
Type of gen. func.: ogf

$$-(f(x) - 1) (4 f(x) x^3 + 6 f(x) x^2 - 14 x^3 + 4 f(x) x - 12 x^2 + f(x) - 5 x - 1)$$

Sequence: A173316
Score: 3.33656
Type of gen. func.: ogf

$$\{(-n^2 - 4 n - 4) a(n + 1) + (n^2 + 5 n + 5) a(n + 2) + (-1 - n) a(n + 3),$$

$$a(0) = 5, a(1) = 5, a(2) = 11\}$$

Sequence: A173317
Score: 3.33861
Type of gen. func.: ogf

$$\{(-n^2 - 4 n - 4) a(n + 1) + (n^2 + 5 n + 5) a(n + 2) + (-1 - n) a(n + 3),$$

$$a(0) = 4, a(1) = 4, a(2) = 9\}$$

Sequence: A173319
Score: 3.33656
Type of gen. func.: ogf

$$\{(-n^2 - 4 n - 4) a(n + 1) + (n^2 + 5 n + 5) a(n + 2) + (-1 - n) a(n + 3),$$

$$a(0) = 6, a(1) = 6, a(2) = 11\}$$

Sequence: A173321
Score: 3.30252
Type of gen. func.: ogf

$$\{(-n^2 - 4 n - 4) a(n + 1) + (n^2 + 5 n + 5) a(n + 2) + (-1 - n) a(n + 3),$$

$$a(0) = 3, a(1) = 3, a(2) = 7\}$$

Sequence: A173322
Score: 4.18966
Type of gen. func.: ogf

$$\{(-n^2 - 4 n - 4) a(n + 1) + (n^2 + 5 n + 5) a(n + 2) + (-1 - n) a(n + 3),$$

$$a(0) = 5, a(1) = 5, a(2) = 9\}$$

Sequence: A173323
Score: 3.30252
Type of gen. func.: ogf

$$\{(n^2 + 4 n + 4) a(n + 1) + (-n^2 - 5 n - 5) a(n + 2) + (n + 1) a(n + 3),$$

$$a(0) = 2, a(1) = 2, a(2) = 5\}$$

Sequence: A173324
Score: 4.18966
Type of gen. func.: ogf

$$\{(-n^2 - 4 n - 4) a(n + 1) + (n^2 + 5 n + 5) a(n + 2) + (-1 - n) a(n + 3),$$

$$a(0) = 4, a(1) = 4, a(2) = 7\}$$

Sequence: A173329
Score: 4.91057
Type of gen. func.: ogf

$$\frac{x^{21} - x^{20} + x^{18} - x^{16} + x^{14} - x^{13} + x^{11} - x^9 + x^7 - x^2 + 1}{(x^8 + x^7 - x^5 - x^4 - x^3 + x + 1) (x - 1)^2}$$

Sequence: A173343
Score: 10.9066
Type of gen. func.: ogf

$$\frac{x + 1}{x^4 + x^3 + 2 x^2 - x + 1}$$

Sequence: A173343
Score: 14.2455
Type of gen. func.: lgdogf

$$- \frac{3 x^4 + 6 x^3 + 5 x^2 + 4 x - 2}{(x + 1) (x^4 + x^3 + 2 x^2 - x + 1)}$$

Sequence: A173343
Score: 5.1977
Type of gen. func.: ogf

$$-(178 f(x) + 31) (f(x) x^4 + f(x) x^3 + 2 f(x) x^2 - f(x) x + f(x) - x - 1)$$

Sequence: A173344
Score: 15.2688
Type of gen. func.: lgdogf

$$-\frac{x (3 x^3 - 2 x^2 - x - 4)}{(x - 1) (x^4 + x^3 + 2 x^2 - x + 1)}$$

Sequence: A173344
Score: 4.83869
Type of gen. func.: ogf

$$-(f(x) + 1) (f(x) x^4 + f(x) x^3 + 2 f(x) x^2 - f(x) x + x^2 + f(x) - x)$$

Sequence: A173344
Score: 9.60294
Type of gen. func.: ogf

$$-\frac{x (x - 1)}{x^4 + x^3 + 2 x^2 - x + 1}$$

Sequence: A173345
Score: 7.90712
Type of gen. func.: ogf

$$-\frac{x^4 (2 x^{20} + x^{15} + x^{10} + x^5 + 1)}{(x^4 + x^3 + x^2 + x + 1) (x^{20} + x^{15} + x^{10} + x^5 + 1) (x - 1)^3}$$

Sequence: A173388
Score: 12.4004
Type of gen. func.: ogf

$$-\frac{x^7 - x^6 + x + 1}{x^4 + x^2 - 1}$$

Sequence: A173388
Score: 9.08388
Type of gen. func.: lgdogf

$$\frac{3 x^{10} - 2 x^9 + 5 x^8 - 4 x^7 - 7 x^6 + 6 x^5 - 3 x^4 - 4 x^3 - x^2 - 2 x - 1}{(x^4 + x^2 - 1) (x^7 - x^6 + x + 1)}$$

Sequence: A173391
Score: 10.2277
Type of gen. func.: ogf

$$-\frac{3 (x^2 - 8 x + 3)}{(3 x - 1) (x - 1)^2}$$

Sequence: A173391
Score: 12.6784
Type of gen. func.: lgdogf

$$-\frac{3 x^3 - 45 x^2 + 33 x - 7}{(x - 1) (3 x - 1) (x^2 - 8 x + 3)}$$

Sequence: A173391
Score: 5.32873
Type of gen. func.: ogf

$$-(92 f(x) + 237) (3 f(x) x^3 - 7 f(x) x^2 + 5 f(x) x + 3 x^2 - f(x) - 24 x + 9)$$

Sequence: A173391
Score: 5.56245
Type of gen. func.: ogf

$$\{a(n+3) - 5 a(n+2) + 7 a(n+1) - 3 a(n), a(0) = 9, a(1) = 21, a(2) = 45\}$$

Sequence: A173393
Score: 3.44116
Type of gen. func.: ogf

$$-(3111859729 f(x) + 29730749172) (12 f(x) x^3 - 25 f(x) x^2 + 14 f(x) x + 12 x^2 - f(x) - 144 x + 22)$$

Sequence: A173393
Score: 4.00994
Type of gen. func.: ogf

$$\{a(n+3) - 14 a(n+2) + 25 a(n+1) - 12 a(n), a(0) = 22, a(1) = 164, a(2) = 1758\}$$

Sequence: A173393
Score: 7.13534
Type of gen. func.: ogf

$$-\frac{2 (6 x^2 - 72 x + 11)}{(12 x - 1) (x - 1)^2}$$

Sequence: A173393
Score: 7.90188
Type of gen. func.: lgdogf

$$-\frac{2 (36 x^3 - 828 x^2 + 228 x - 41)}{(x - 1) (12 x - 1) (6 x^2 - 72 x + 11)}$$

Sequence: A173432
Score: 12.1303

Type of gen. func.: lgdogf

$$-\frac{2 x^5 - x^4 + 4 x^3 - 4 x^2 + 2 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^2 - x + 1)}$$

Sequence: A173432
Score: 12.2042
Type of gen. func.: ogf

$$-\frac{x^2 + 1}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A173432
Score: 16.9209
Type of gen. func.: ogf_with_Euler_transform]

$$x^5 - x^3 - x^2 + x + 1$$

Sequence: A173432
Score: 6.15609
Type of gen. func.: ogf

$$-(22 f(x) - 39) (f(x) x^4 - f(x) x^3 + f(x) x + x^2 - f(x) + 1)$$

Sequence: A173434
Score: 10.7506
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^5 - 4 x^3 + 3 x^2 - 1)}{(x - 1) (x + 1) (x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A173434
Score: 11.6295
Type of gen. func.: ogf

$$\frac{x^3}{(x - 1) (x + 1) (x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A173435
Score: 10.4454
Type of gen. func.: ogf

$$\frac{19 x^3 + 36 x^2 + 26 x + 8}{(2 x + 1) (2 x^2 + 2 x + 1)}$$

Sequence: A173435
Score: 10.5821
Type of gen. func.: lgdogf

$$- \frac{30 x^4 + 56 x^3 + 51 x^2 + 24 x + 6}{(2 x + 1) (2 x^2 + 2 x + 1) (19 x^3 + 36 x^2 + 26 x + 8)}$$

Sequence: A173435
Score: 5.61243
Type of gen. func.: ogf

$\{-a(n + 4) - 4 a(n + 3) - 6 a(n + 2) - 4 a(n + 1), a(0) = 8, a(1) = -6,$

$a(2) = 12, a(3) = -25\}$

Sequence: A173435
Score: 6.11435
Type of gen. func.: ogf

$$(7 f(x) - 20)$$

$$(4 f(x) x^3 + 6 f(x) x^2 - 19 x^3 + 4 f(x) x - 36 x^2 + f(x) - 26 x - 8)$$

Sequence: A173474
Score: 10.5156
Type of gen. func.: ogf

$$-f(x) (f(x) x^2 - 2 f(x) x + x^2 + f(x) - 2 x)$$

Sequence: A173474
Score: 18.2413
Type of gen. func.: ogf

$$-\frac{x (x - 2)}{(x - 1)^2}$$

Sequence: A173474
Score: 30.3791
Type of gen. func.: revogf

$$\frac{x}{(x + 1)^{1/2} (1 + (x + 1)^{1/2})}$$

Sequence: A173474
Score: 48.9441
Type of gen. func.: lgdogf

$$-\frac{x - 3}{(x - 1) (x - 2)}$$

Sequence: A173474
Score: 8.84974
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n + 1), a(0) = 0, a(1) = 2, a(2) = 3\}$$

Sequence: A173480
Score: 6.22852
Type of gen. func.: ogf

$$-(10 f(x) x - f(x) + 9)^3$$

Sequence: A173486
Score: 7.2909
Type of gen. func.: ogf

$$-(10 f(x) x - f(x) + 900)^3$$

Sequence: A173495
Score: 10.9150
Type of gen. func.: ogf

$$-\frac{2 x^3 - 1}{(x - 1) (x^2 + x + 1) (x^2 + x - 1)}$$

Sequence: A173495
Score: 11.3340
Type of gen. func.: lgdogf

$$-\frac{4 x^7 + 2 x^6 - 3 x^4 - 3 x^2 + 2 x + 1}{(x - 1) (x^2 + x + 1) (x^2 + x - 1) (2 x^3 - 1)}$$

Sequence: A173502
Score: 23.4642
Type of gen. func.: lgdogf

$$-\frac{2 (2 x + 1)}{2 x^2 + 2 x + 1}$$

Sequence: A173511
Score: 12.3106
Type of gen. func.: ogf

$$-\frac{x (3 x^2 + 9 x + 4)}{(x + 1) (x - 1)^3}$$

Sequence: A173511
Score: 16.0959
Type of gen. func.: lgdogf

$$-\frac{6 x^3 + 33 x^2 + 40 x + 17}{(x - 1) (x + 1) (3 x^2 + 9 x + 4)}$$

Sequence: A173511
Score: 6.20299
Type of gen. func.: ogf

$$-(51712 f(x) + 1318121)$$

$$(f(x) x^4 - 2 f(x) x^3 + 3 x^3 + 2 f(x) x + 9 x^2 - f(x) + 4 x)$$

Sequence: A173512
Score: 13.7957
Type of gen. func.: ogf

$$\frac{3 x^2 + 9 x + 4}{(x - 1)^2 (x + 1)}$$

Sequence: A173512
Score: 16.8471
Type of gen. func.: lgdogf

$$-\frac{3 x^3 + 21 x^2 + 27 x + 13}{(x - 1) (x + 1) (3 x^2 + 9 x + 4)}$$

Sequence: A173512
Score: 7.13169
Type of gen. func.: ogf

$$(14016 f(x) - 6545) (f(x) x^3 - f(x) x^2 - f(x) x - 3 x^2 + f(x) - 9 x - 4)$$

Sequence: A173512
Score: 7.38192
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 4, a(1) = 13, a(2) = 20\}$$

Sequence: A173516
Score: 4.16649
Type of gen. func.: ogf

$$\{(-3 n - 9) a(n + 1) + (3 n + 13) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 7, a(2) = 64\}$$

Sequence: A173521
Score: 2.8568
Type of gen. func.: ogf

$$(72159140862171 f(x) - 21563655422000) (1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 2000 x^2 - f(x) + 1010 x)$$

Sequence: A173521
Score: 3.30669
Type of gen. func.: ogf

$$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 0, a(1) = 1010, a(2) = 110110\}$$

Sequence: A173521
Score: 5.91479
Type of gen. func.: ogf

$$\frac{10 x (200 x - 101)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A173535
Score: 13.1560
Type of gen. func.: ogf

$$-\frac{7x-1}{(12x-1)(x-1)}$$

Sequence: A173535
Score: 13.1860
Type of gen. func.: revogf

$$-\frac{-6-13x+(121x^2+108x+36)^{1/2}}{24(x+1)}$$

Sequence: A173535
Score: 15.1639
Type of gen. func.: lgdogf

$$-\frac{24x^2-24x+11}{(x-1)(2x-1)(12x-1)}$$

Sequence: A173535
Score: 6.578
Type of gen. func.: ogf

$$-(109 f(x)-73)(12 f(x) x^2-13 f(x) x+f(x)+7x-1)$$

Sequence: A173535
Score: 7.36110
Type of gen. func.: ogf

$$\{a(n+2)-13a(n+1)+12a(n), a(0)=1, a(1)=6\}$$

Sequence: A173536
Score: 7.30859
Type of gen. func.: lgdogf

$$-x(9x^9+8x^8+75x^7+160x^6+48x^5+186x^4+117x^3+16x^2+27x+2) \Big/ ((x-1)(x^2+x+1)$$

$$(9 x^8 + 4 x^7 + 25 x^6 + 22 x^5 + 4 x^4 + 6 x^3 + x^2 + 1))$$

Sequence: A173536
Score: 8.66888
Type of gen. func.: ogf

$$- \frac{9 x^8 + 4 x^7 + 25 x^6 + 22 x^5 + 4 x^4 + 6 x^3 + x^2 + 1}{(x - 1)^3 (x^2 + x + 1)^3}$$

Sequence: A173559
Score: 10.1117
Type of gen. func.: lgdogf

$$- \frac{22 x^4 + 48 x^3 + 57 x^2 + 26 x + 6}{(2 x - 1) (2 x^2 + 2 x + 1) (19 x^3 + 15 x^2 + 6 x - 1)}$$

Sequence: A173559
Score: 5.71753
Type of gen. func.: ogf

$\{-a(n + 4) + 2 a(n + 2) + 4 a(n + 1), a(0) = 1, a(1) = -6, a(2) = -13,$

$a(3) = -27\}$

Sequence: A173559
Score: 6.08471
Type of gen. func.: ogf

$$(3805 f(x) - 7452) (4 f(x) x^3 + 2 f(x) x^2 - 19 x^3 - 15 x^2 - f(x) - 6 x + 1)$$

Sequence: A173559
Score: 9.89901
Type of gen. func.: ogf

$$\frac{19 x^3 + 15 x^2 + 6 x - 1}{2}$$

$$(2 x - 1) (2 x + 2 x + 1)$$

Sequence: A173562
Score: 9.32153
Type of gen. func.: ogf

$$-\frac{x (3 x^{3} + 2 x^{2} + 2 x + 1)}{(x + 1) (x^{2} + 1) (x - 1)^{3}}$$

Sequence: A173562
Score: 9.85326
Type of gen. func.: lgdogf

$$-\frac{9 x^{6} + 14 x^{5} + 20 x^{4} + 20 x^{3} + 19 x^{2} + 10 x + 4}{(x - 1) (x + 1) (x^{2} + 1) (3 x^{3} + 2 x^{2} + 2 x + 1)}$$

Sequence: A173565
Score: 6.39608
Type of gen. func.: lgdogf

$$-\frac{3}{x - 1}$$

Sequence: A173593
Score: 10.7337
Type of gen. func.: ogf

$$-\frac{4 x^{4} + 2 x^{3} - 5 x - 3}{(x - 1) (x^{2} + x + 1) (2 x^{2} - 1)}$$

Sequence: A173593
Score: 7.68709
Type of gen. func.: lgdogf

$$8 x^{8} + 8 x^{7} + 4 x^{6} - 24 x^{5} - 26 x^{4} - 6 x^{3} + 13 x^{2} + 12 x + 5$$

$$-\frac{}{(x-1)\,(x^{2}+x+1)\,(4\,x^{4}+2\,x^{3}-5\,x-3)\,(2\,x^{2}-1)}$$

Sequence: A173598
Score: 10.6782
Type of gen. func.: ogf

$$-\frac{5\,x^{5}+4\,x^{4}+2\,x^{3}+7\,x^{2}+8\,x+1}{(x-1)\,(x+1)\,(x^{2}+x+1)\,(x^{2}-x+1)}$$

Sequence: A173633
Score: 7.70208
Type of gen. func.: ogf

$$\frac{x^{8}+x^{6}+x^{3}+1}{(x^{4}+x^{3}+x^{2}+x+1)\,(x-1)^{2}}$$

Sequence: A173635
Score: 11.1551
Type of gen. func.: ogf

$$-\frac{2\,x^{4}+4\,x^{3}+4\,x^{2}+x+1}{(x-1)\,(x^{4}+x^{3}+x^{2}+x+1)}$$

Sequence: A173635
Score: 7.00501
Type of gen. func.: lgdogf

$$-\frac{2\,x^{8}+8\,x^{7}+12\,x^{6}+4\,x^{5}+5\,x^{4}+8\,x^{3}+12\,x^{2}+8\,x+1}{(x-1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(2\,x^{4}+4\,x^{3}+4\,x^{2}+x+1)}$$

Sequence: A173644
Score: 11.3959
Type of gen. func.: ogf

$$-\frac{7x^{13}-x^{9}-3x^{8}-5x^{7}-21x^{6}-4x^{5}-8x^{4}-12x^{3}-x^{2}-3x-5}{(x-1)^{2}\,(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)^{2}}$$

Sequence: A173645
Score: 20.5896
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10}-x^{9}+x^{4}+3$$

Sequence: A173645
Score: 8.10687
Type of gen. func.: ogf

$$\frac{x^{4}\,(x+1)\,(x^{4}-x^{3}+x^{2}-x+1)}{(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)\,(x-1)^{4}}$$

Sequence: A173650
Score: 10.4629
Type of gen. func.: lgdogf

$$-\frac{2\,(2x^{5}-7x^{4}+8x^{2}+4x+1)}{(x+1)\,(x^{2}-2x-1)\,(2x^{3}-4x^{2}-x+1)}$$

Sequence: A173650
Score: 10.6332
Type of gen. func.: ogf

$$-\frac{x^{2}\,(x^{2}-2x-1)}{(x+1)\,(2x^{3}-4x^{2}-x+1)}$$

Sequence: A173650
Score: 6.31077

Type of gen. func.: ogf

$$-(9 f(x) - 1) (2 f(x) x^4 - 2 f(x) x^3 + x^4 - 5 f(x) x^2 - 2 x^3 - x^2 + f(x))$$

Sequence: A173652
Score: 5.78495
Type of gen. func.: ogf

$$-\frac{x^3 (x^4 - 6 x^3 - x^2 + 4 x + 1)}{(x^3 + x^2 - 1) (x^6 - 2 x^5 + 9 x^4 - 2 x^3 - 8 x^2 + 1)}$$

Sequence: A173653
Score: 7.66328
Type of gen. func.: ogf

$$\frac{x^4 (x^4 + 1)}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^4}$$

Sequence: A173657
Score: 10.1335
Type of gen. func.: lgdogf

$$-\frac{102 x^4 - 204 x^3 + 157 x^2 - 54 x + 7}{(x - 1) (3 x - 1) (2 x - 1) (17 x^2 - 17 x + 4)}$$

Sequence: A173657
Score: 11.7668
Type of gen. func.: ogf

$$-\frac{17 x^2 - 17 x + 4}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A173657
Score: 6.17277

Type of gen. func.: ogf

$$-(118 f(x) - 421) (6 f(x) x^3 - 11 f(x) x^2 + 6 f(x) x + 17 x^2 - f(x) - 17 x + 4)$$

Sequence: A173657
Score: 6.60594
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 11 a(n + 1) + 6 a(n), a(0) = 4, a(1) = 7, a(2) = 15\}$$

Sequence: A173659
Score: 5.28306
Type of gen. func.: ogf

$$\frac{x^3 (x - 1) (x^4 + 4 x^3 - x^2 - 4 x - 1)}{(x^6 + 5 x^5 - 9 x^4 - 3 x^3 + 7 x^2 + x - 1) (x^3 + x^2 - 1)}$$

Sequence: A173661
Score: 10.3829
Type of gen. func.: ogf

$$-\frac{2 x^3 - 5 x^2 + 4 x + 1}{(x - 1) (x + 1) (x^2 - 3 x + 1)}$$

Sequence: A173661
Score: 5.77761
Type of gen. func.: ogf

$$(3309 f(x) + 608)$$

$$(f(x) x^4 - 3 f(x) x^3 + 2 x^3 + 3 f(x) x - 5 x^2 - f(x) + 4 x + 1)$$

Sequence: A173661
Score: 8.08154
Type of gen. func.: lgdogf

6 5 4 3 2

$$-\frac{2 x - 10 x + 27 x - 32 x + 12 x - 10 x + 7}{(x - 1) (x + 1) (x^2 - 3 x + 1) (2 x^3 - 5 x^2 + 4 x + 1)}$$

Sequence: A173673
Score: 8.35328
Type of gen. func.: ogf

$$-\frac{x^3 (x^5 + x^4 + 2 x^3 + x^2 + x + 1)}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 + x^2 - 1)}$$

Sequence: A173674
Score: 7.43303
Type of gen. func.: ogf

$$- x (x + 1) (x^2 + 1) (x^{12} - x^{11} + x^9 - x^7 + x^6 + x - 1) / ((x - 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1) (x^4 + x - 1) (x^8 - x^7 + x^5 - x^4 + x^3 - x + 1))$$

Sequence: A173686
Score: 10.5710
Type of gen. func.: ogf

$$-\frac{2 x^8 + 8 x^7 + 5 x^6 + 3 x^5 + 2 x^2 + 8 x + 2}{(x - 1) (x^2 + 1) (x^2 + x + 1) (x^4 - x^2 + 1)}$$

Sequence: A173690
Score: 22.7320
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^4 + x^2 + 3$$

Sequence: A173690

Score: 9.08971
Type of gen. func.: ogf

$$\frac{x^{2} (x + 1) (x^{2} - x + 1)}{(x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{4}}$$

Sequence: A173690
Score: 9.85270
Type of gen. func.: lgdogf

$$- \frac{5 x^{7} + 3 x^{6} + 3 x^{5} + 11 x^{4} + 6 x^{3} + 6 x^{2} + 3 x + 3}{(x - 1) (x + 1) (x^{2} - x + 1) (x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A173691
Score: 22.5205
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{7} + x^{5} + x^{3} + 3$$

Sequence: A173691
Score: 8.55274
Type of gen. func.: lgdogf

$$- \frac{5 x^{9} + 3 x^{8} + 3 x^{7} + 3 x^{6} + 12 x^{5} + 6 x^{4} + 7 x^{3} + 3 x^{2} + 3 x + 3}{(x - 1) (x + 1) (x^{4} + 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A173691
Score: 9.00516
Type of gen. func.: ogf

$$\frac{x^{2} (x^{4} + 1)}{(x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x - 1)^{4}}$$

Sequence: A173704
Score: 13.5995
Type of gen. func.: ogf

$$-\frac{x^2 (x^2 + x + 4)}{(x + 1) (x - 1)^5}$$

Sequence: A173704
Score: 26.0931
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 9 x^2 + 30 x + 17}{(x - 1) (x + 1) (x^2 + x + 4)}$$

Sequence: A173707
Score: 11.1727
Type of gen. func.: ogf

$$-\frac{x^2 (x^3 + 3 x + 2)}{(x^2 + x + 1) (x - 1)^5}$$

Sequence: A173707
Score: 17.5089
Type of gen. func.: lgdogf

$$-\frac{4 x^5 + 4 x^4 + 22 x^3 + 29 x^2 + 20 x + 11}{(x - 1) (x^2 + x + 1) (x^3 + 3 x + 2)}$$

Sequence: A173711
Score: 10.1351
Type of gen. func.: ogf

$$\frac{x^6}{(x + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A173711
Score: 17.0095
Type of gen. func.: lgdogf

$$-\frac{7x^5+x^4-4x^3+3x+1}{(x-1)(x+1)(x^4+1)}$$

Sequence: A173712
Score: 10.2606
Type of gen. func.: ogf

$$\frac{5x^3+5x^2+4x+1}{(x-1)(x+1)(10x^2-1)}$$

Sequence: A173712
Score: 6.48546
Type of gen. func.: ogf

$$(228 f(x) - 77)(10 f(x) x^4 - 11 f(x) x^2 - 5x^3 - 5x^2 + f(x) - 4x - 1)$$

Sequence: A173712
Score: 7.49363
Type of gen. func.: lgdogf

$$-\frac{50x^6+100x^5+175x^4+40x^3-59x^2-32x-4}{(x-1)(x+1)(10x^2-1)(5x^3+5x^2+4x+1)}$$

Sequence: A173714
Score: 6.06248
Type of gen. func.: ogf

$$-\frac{x(x^3-x-1)}{(x-1)(x^2+x+1)(x^2+x-1)}$$

Sequence: A173714
Score: 6.77125
Type of gen. func.: lgdogf

$$-\frac{2x^7+x^6-4x^5-7x^4+x^2+2x+2}{(x-1)(x^2+x+1)(x^2+x-1)(x^3-x-1)}$$

Sequence: A173721
Score: 19.9418
Type of gen. func.: ogf_with_Euler_transform]

$$x^6-2x^5+2x^2+x+2$$

Sequence: A173721
Score: 6.52184
Type of gen. func.: ogf

$$\frac{x^2(x+1)(x^2-x+1)^2}{(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^4}$$

Sequence: A173721
Score: 7.75132
Type of gen. func.: lgdogf

$$-\frac{5x^9+2x^8+4x^7+13x^6+6x^5+6x^4+6x^3+8x^2+4x+2}{(x-1)(x+1)(x^2-x+1)(x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A173722
Score: 13.0638
Type of gen. func.: lgdogf

$$-\frac{5x^5-3x^4+7x^3+3x^2+2x+2}{{}^{2}\qquad{}^{2}}$$

$$(x - 1) (x + 1) (x + 1) (x - x + 1)$$

Sequence: A173722
Score: 19.8463
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^3 + x^2 + x + 2$$

Sequence: A173722
Score: 8.09724
Type of gen. func.: ogf

$$\frac{x^2 (x^2 - x + 1)}{(x + 1) (x^2 + 1) (x - 1)^4}$$

Sequence: A173731
Score: 10.1346
Type of gen. func.: ogf

$$-\frac{x^2}{(x - 1) (x^2 - 7 x + 1) (x^2 - 3 x + 1)}$$

Sequence: A173731
Score: 10.2004
Type of gen. func.: lgdogf

$$-\frac{5 x^4 - 44 x^3 + 99 x^2 - 66 x + 11}{(x - 1) (x^2 - 7 x + 1) (x^2 - 3 x + 1)}$$

Sequence: A173734
Score: 11.5615
Type of gen. func.: ogf

$$-\frac{2 (35 x - 4)}{(10 x - 1) (x - 1)}$$

Sequence: A173734
Score: 12.0753
Type of gen. func.: revogf

$$-\frac{-8 - 11 x + (81 x^2 - 104 x + 64)^{1/2}}{20 (7 + x)}$$

Sequence: A173734
Score: 12.9378
Type of gen. func.: lgdogf

$$-\frac{350 x^2 - 80 x + 9}{(x - 1) (35 x - 4) (10 x - 1)}$$

Sequence: A173734
Score: 5.90374
Type of gen. func.: ogf

$$-(19 f(x) + 10) (10 f(x) x^2 - 11 f(x) x + f(x) + 70 x - 8)$$

Sequence: A173734
Score: 6.52884
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 8, a(1) = 18\}$$

Sequence: A173735
Score: 11.9004
Type of gen. func.: ogf

$$-\frac{29 x - 3}{(10 x - 1) (x - 1)}$$

Sequence: A173735
Score: 12.7146

Type of gen. func.: revogf

$$-\frac{-4 - 11 x + (81 x^2 - 32 x + 16)^{1/2}}{20 (x + 3)}$$

Sequence: A173735
Score: 13.3201
Type of gen. func.: lgdogf

$$-\frac{150 x^2 - 40 x + 7}{(x - 1) (15 x - 2) (10 x - 1)}$$

Sequence: A173735
Score: 6.07682
Type of gen. func.: ogf

$$-(27 f(x) - 17) (10 f(x) x^2 - 11 f(x) x + f(x) + 29 x - 3)$$

Sequence: A173735
Score: 6.80025
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 3, a(1) = 4\}$$

Sequence: A173736
Score: 11.5615
Type of gen. func.: ogf

$$-\frac{5 (8 x - 1)}{(10 x - 1) (x - 1)}$$

Sequence: A173736
Score: 12.3498
Type of gen. func.: revogf

$$-\frac{-5 - 11 x + (81 x^2 - 50 x + 25)^{1/2}}{20 (4 + x)}$$

Sequence: A173736
Score: 13.5847
Type of gen. func.: lgdogf

$$-\frac{80 x^2 - 20 x + 3}{(x - 1) (8 x - 1) (10 x - 1)}$$

Sequence: A173736
Score: 5.72115
Type of gen. func.: ogf

$$-(439 f(x) - 1790) (10 f(x) x^2 - 11 f(x) x + f(x) + 40 x - 5)$$

Sequence: A173736
Score: 6.52884
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 5, a(1) = 15\}$$

Sequence: A173737
Score: 11.5615
Type of gen. func.: ogf

$$-\frac{2 (25 x - 3)}{(10 x - 1) (x - 1)}$$

Sequence: A173737
Score: 12.3498
Type of gen. func.: revogf

$$-\frac{-6 - 11 x + (81 x^2 - 68 x + 36)^{1/2}}{20 (5 + x)}$$

Sequence: A173737
Score: 12.3498

Type of gen. func.: lgdogf

$$-\frac{2\,(125\,x^2 - 30\,x + 4)}{(x - 1)\,(25\,x - 3)\,(10\,x - 1)}$$

Sequence: A173737
Score: 5.60557
Type of gen. func.: ogf

$$-(2043\,f(x) - 10210)\,(10\,f(x)\,x^2 - 11\,f(x)\,x + f(x) + 50\,x - 6)$$

Sequence: A173737
Score: 6.52884
Type of gen. func.: ogf

$$\{a(n + 2) - 11\,a(n + 1) + 10\,a(n),\ a(0) = 6,\ a(1) = 16\}$$

Sequence: A173764
Score: 11.5615
Type of gen. func.: ogf

$$-\frac{3\,(20\,x - 3)}{(10\,x - 1)\,(x - 1)}$$

Sequence: A173764
Score: 12.3498
Type of gen. func.: revogf

$$-\frac{-9 - 11\,x + (81\,x^2 - 42\,x + 81)^{1/2}}{20\,(6 + x)}$$

Sequence: A173764
Score: 12.6370
Type of gen. func.: lgdogf

$$-\frac{200\,x^2 - 60\,x + 13}{(x - 1)\,(20\,x - 3)\,(10\,x - 1)}$$

Sequence: A173764
Score: 5.84159
Type of gen. func.: ogf

$$-(83 f(x) - 240) (10 f(x) x^2 - 11 f(x) x + f(x) + 60 x - 9)$$

Sequence: A173764
Score: 6.52884
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 9, a(1) = 39\}$$

Sequence: A173766
Score: 11.5615
Type of gen. func.: ogf

$$- \frac{40 x - 7}{(10 x - 1) (x - 1)}$$

Sequence: A173766
Score: 12.3498
Type of gen. func.: lgdogf

$$- \frac{400 x^2 - 140 x + 37}{(x - 1) (40 x - 7) (10 x - 1)}$$

Sequence: A173766
Score: 12.6370
Type of gen. func.: revogf

$$- \frac{-7 - 11 x + (81 x^2 - 6 x + 49)^{1/2}}{20 (4 + x)}$$

Sequence: A173766
Score: 5.78074

Type of gen. func.: ogf

$$-(267 f(x) - 500) (10 f(x) x^2 - 11 f(x) x + f(x) + 40 x - 7)$$

Sequence: A173766
Score: 6.52884
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 7, a(1) = 37\}$$

Sequence: A173768
Score: 11.5615
Type of gen. func.: ogf

$$\frac{30 x + 1}{(10 x - 1) (x - 1)}$$

Sequence: A173768
Score: 12.3498
Type of gen. func.: lgdogf

$$-\frac{300 x^2 + 20 x - 41}{(x - 1) (30 x + 1) (10 x - 1)}$$

Sequence: A173768
Score: 12.3498
Type of gen. func.: revogf

$$-\frac{-1 - 11 x + (81 x^2 + 142 x + 1)^{1/2}}{20 (x - 3)}$$

Sequence: A173768
Score: 5.96722
Type of gen. func.: ogf

$$(431 f(x) + 1250) (10 f(x) x^2 - 11 f(x) x + f(x) - 30 x - 1)$$

Sequence: A173768
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 41\}$$

Sequence: A173770
Score: 11.5615
Type of gen. func.: ogf

$$\frac{10 x + 3}{(10 x - 1) (x - 1)}$$

Sequence: A173770
Score: 12.3498
Type of gen. func.: lgdogf

$$- \frac{100 x^2 + 60 x - 43}{(x - 1) (10 x + 3) (10 x - 1)}$$

Sequence: A173770
Score: 12.3498
Type of gen. func.: revogf

$$- \frac{-3 - 11 x + (81 x^2 + 106 x + 9)^{1/2}}{20 (x - 1)}$$

Sequence: A173770
Score: 6.03208
Type of gen. func.: ogf

$$(413 f(x) + 610) (10 f(x) x^2 - 11 f(x) x + f(x) - 10 x - 3)$$

Sequence: A173770
Score: 6.52884
Type of gen. func.: ogf

```
            {-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 3, a(1) = 43}



--------------------------------------------------------------------------------

Sequence:  A173772
Score: 11.5615
Type of gen. func.: ogf

                                            30 x - 7
                                 - ------------------
                                   (10 x - 1) (x - 1)



--------------------------------------------------------------------------------

Sequence:  A173772
Score: 12.3498
Type of gen. func.: lgdogf

                                           2
                                      300 x  - 140 x + 47
                           - ------------------------------
                             (x - 1) (30 x - 7) (10 x - 1)



--------------------------------------------------------------------------------

Sequence:  A173772
Score: 12.3498
Type of gen. func.: revogf

                                                2               1/2
                           -7 - 11 x + (81 x  + 34 x + 49)
                         - ---------------------------------
                                          20 (x + 3)



--------------------------------------------------------------------------------

Sequence:  A173772
Score: 5.78074
Type of gen. func.: ogf

                                              2
          -(377 f(x) - 430) (10 f(x) x  - 11 f(x) x + f(x) + 30 x - 7)



--------------------------------------------------------------------------------

Sequence:  A173772
Score: 6.52884
Type of gen. func.: ogf

            {a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 7, a(1) = 47}



--------------------------------------------------------------------------------
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Sequence: A173773
Score: 8.32219
Type of gen. func.: lgdogf

$$-\frac{2 x^7 + 2 x^6 + 18 x^5 + 34 x^4 + 9 x^3 + 30 x^2 + 12 x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (2 x^4 - x^3 + 7 x^2 - x + 2)}$$

Sequence: A173773
Score: 9.65456
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x^4 - x^3 + 7 x^2 - x + 2)}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A173776
Score: 11.9004
Type of gen. func.: ogf

$$-\frac{46 x - 5}{(10 x - 1) (x - 1)}$$

Sequence: A173776
Score: 12.1618
Type of gen. func.: revogf

$$-\frac{-5 - 11 x + (81 x^2 - 74 x + 25)^{1/2}}{4 (23 + 5 x)}$$

Sequence: A173776
Score: 13.3201
Type of gen. func.: lgdogf

$$-\frac{460 x^2 - 100 x + 9}{(x - 1) (46 x - 5) (10 x - 1)}$$

Sequence: A173776
Score: 6.41822
Type of gen. func.: ogf

$$(f(x) - 86) (10 f(x) x^2 - 11 f(x) x + f(x) + 46 x - 5)$$

Sequence: A173776
Score: 6.80025
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 5, a(1) = 9\}$$

Sequence: A173777
Score: 6.90168
Type of gen. func.: ogf

$$\frac{x^9 - 2 x^8 - x^6 + 2 x^5 - x^4 + 2 x^3 - 2}{(x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1) (x - 1)^3}$$

Sequence: A173785
Score: 12.5247
Type of gen. func.: lgdogf

$$- \frac{x^4 + 12 x^3 + 54 x^2 + 44 x + 9}{(x - 1) (x^4 + 4 x^3 + 14 x^2 + 4 x + 1)}$$

Sequence: A173785
Score: 7.63439
Type of gen. func.: ogf

$$- \frac{2 (9 x^4 + 4 x^3 + 14 x^2 - 4 x + 1)}{(x - 1)^5}$$

Sequence: A173802
Score: 11.5615
Type of gen. func.: ogf

$$\frac{20 x + 3}{(10 x - 1) (x - 1)}$$

Sequence: A173802
Score: 12.0753
Type of gen. func.: revogf

$$- \frac{-3 - 11 x + (81 x^2 + 146 x + 9)^{1/2}}{20 (x - 2)}$$

Sequence: A173802
Score: 12.3498
Type of gen. func.: lgdogf

$$- \frac{200 x^2 + 60 x - 53}{(x - 1) (20 x + 3) (10 x - 1)}$$

Sequence: A173802
Score: 5.96722
Type of gen. func.: ogf

$$(523 f(x) + 1240) (10 f(x) x^2 - 11 f(x) x + f(x) - 20 x - 3)$$

Sequence: A173802
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 3, a(1) = 53\}$$

Sequence: A173804
Score: 11.5615
Type of gen. func.: ogf

$$\frac{40 x + 1}{(10 x - 1) (x - 1)}$$

Sequence: A173804
Score: 12.0753
Type of gen. func.: revogf

$$-\frac{-1 - 11 x + (81 x^2 + 182 x + 1)^{1/2}}{20 (-4 + x)}$$

Sequence: A173804
Score: 12.3498
Type of gen. func.: lgdogf

$$-\frac{400 x^2 + 20 x - 51}{(x - 1) (40 x + 1) (10 x - 1)}$$

Sequence: A173804
Score: 5.96722
Type of gen. func.: ogf

$$(541 f(x) + 2060) (10 f(x) x^2 - 11 f(x) x + f(x) - 40 x - 1)$$

Sequence: A173804
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 51\}$$

Sequence: A173805
Score: 11.5615
Type of gen. func.: ogf

$$\frac{50 x + 1}{(10 x - 1) (x - 1)}$$

Sequence: A173805
Score: 12.0753
Type of gen. func.: revogf

$$-\frac{-1 - 11 x + (81 x^2 + 222 x + 1)^{1/2}}{20 (-5 + x)}$$

Sequence: A173805
Score: 12.3498
Type of gen. func.: lgdogf

$$-\frac{500 x^2 + 20 x - 61}{(x - 1) (50 x + 1) (10 x - 1)}$$

Sequence: A173805
Score: 5.96722
Type of gen. func.: ogf

$$(651 f(x) + 3070) (10 f(x) x^2 - 11 f(x) x + f(x) - 50 x - 1)$$

Sequence: A173805
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 61\}$$

Sequence: A173806
Score: 11.5615
Type of gen. func.: ogf

$$\frac{60 x + 1}{(10 x - 1) (x - 1)}$$

Sequence: A173806
Score: 12.0753
Type of gen. func.: revogf

$$-\frac{-1 - 11 x + (81 x^2 + 262 x + 1)^{1/2}}{20 (-6 + x)}$$

Sequence: A173806
Score: 12.3498
Type of gen. func.: lgdogf

$$-\frac{600 x^2 + 20 x - 71}{(x - 1) (60 x + 1) (10 x - 1)}$$

Sequence: A173806
Score: 5.96722
Type of gen. func.: ogf

$$(761 f(x) + 4280) (10 f(x) x^2 - 11 f(x) x + f(x) - 60 x - 1)$$

Sequence: A173806
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 71\}$$

Sequence: A173807
Score: 11.5615
Type of gen. func.: ogf

$$\frac{40 x + 3}{(10 x - 1) (x - 1)}$$

Sequence: A173807
Score: 12.0753
Type of gen. func.: revogf

$$-\frac{-3 - 11 x + (81 x^2 + 226 x + 9)^{1/2}}{20 (-4 + x)}$$

Sequence: A173807
Score: 12.3498
Type of gen. func.: lgdogf

$$-\frac{400 x^2 + 60 x - 73}{(x - 1) (40 x + 3) (10 x - 1)}$$

Sequence: A173807
Score: 5.96722
Type of gen. func.: ogf

$$(743 f(x) + 3100) (10 f(x) x^2 - 11 f(x) x + f(x) - 40 x - 3)$$

Sequence: A173807
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 3, a(1) = 73\}$$

Sequence: A173808
Score: 11.5615
Type of gen. func.: ogf

$$-\frac{20 x - 9}{(10 x - 1) (x - 1)}$$

Sequence: A173808
Score: 12.0753
Type of gen. func.: lgdogf

$$-\frac{200 x^2 - 180 x + 79}{(x - 1) (20 x - 9) (10 x - 1)}$$

Sequence: A173808
Score: 12.0753
Type of gen. func.: revogf

$$-\frac{-9 - 11 x + (81 x^2 + 118 x + 81)^{1/2}}{20 (x + 2)}$$

Sequence: A173808
Score: 5.84159
Type of gen. func.: ogf

$$-(689 f(x) + 40) (10 f(x) x^2 - 11 f(x) x + f(x) + 20 x - 9)$$

Sequence: A173808
Score: 6.52884
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 9, a(1) = 79\}$$

Sequence: A173809
Score: 11.2608
Type of gen. func.: lgdogf

$$-\frac{2 x^4 - 9 x^3 + 3 x^2 - 9 x - 3}{(x - 1) (x + 1) (x^3 - 4 x^2 + 3 x - 2)}$$

Sequence: A173809
Score: 7.72495
Type of gen. func.: ogf

$$-\frac{x^3 - 4 x^2 + 3 x - 2}{(x + 1) (x - 1)^4}$$

Sequence: A173810
Score: 11.5615
Type of gen. func.: ogf

$$\frac{70 x + 1}{(10 x - 1) (x - 1)}$$

Sequence: A173810
Score: 12.0753

Type of gen. func.: revogf

$$-\frac{-1 - 11 x + (81 x^2 + 302 x + 1)^{1/2}}{20 (-7 + x)}$$

Sequence: A173810
Score: 12.3498
Type of gen. func.: lgdogf

$$-\frac{700 x^2 + 20 x - 81}{(x - 1) (70 x + 1) (10 x - 1)}$$

Sequence: A173810
Score: 5.96722
Type of gen. func.: ogf

$$(871 f(x) + 5690) (10 f(x) x^2 - 11 f(x) x + f(x) - 70 x - 1)$$

Sequence: A173810
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 81\}$$

Sequence: A173811
Score: 11.5615
Type of gen. func.: ogf

$$\frac{50 x + 3}{(10 x - 1) (x - 1)}$$

Sequence: A173811
Score: 12.0753
Type of gen. func.: revogf

$$-\frac{-3 - 11 x + (81 x^2 + 266 x + 9)^{1/2}}{20 (-5 + x)}$$

Sequence: A173811
Score: 12.3498
Type of gen. func.: lgdogf

$$-\frac{500 x^2 + 60 x - 83}{(x - 1) (50 x + 3) (10 x - 1)}$$

Sequence: A173811
Score: 5.96722
Type of gen. func.: ogf

$$(853 f(x) + 4330) (10 f(x) x^2 - 11 f(x) x + f(x) - 50 x - 3)$$

Sequence: A173811
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 3, a(1) = 83\}$$

Sequence: A173812
Score: 11.5615
Type of gen. func.: ogf

$$\frac{10 x + 7}{(10 x - 1) (x - 1)}$$

Sequence: A173812
Score: 12.0753
Type of gen. func.: lgdogf

$$-\frac{100 x^2 + 140 x - 87}{(x - 1) (10 x + 7) (10 x - 1)}$$

Sequence: A173812
Score: 12.0753

Type of gen. func.: revogf

$$-\frac{-7 - 11 x + (81 x^2 + 194 x + 49)^{1/2}}{20 (x - 1)}$$

Sequence: A173812
Score: 5.96722
Type of gen. func.: ogf

$$(817 f(x) + 1850) (10 f(x) x^2 - 11 f(x) x + f(x) - 10 x - 7)$$

Sequence: A173812
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 7, a(1) = 87\}$$

Sequence: A173813
Score: 10.9787
Type of gen. func.: revogf

$$-\frac{-10 - 11 x + (81 x^2 + 540 x + 100)^{1/2}}{20 (-8 + x)}$$

Sequence: A173813
Score: 10.9859
Type of gen. func.: ogf

$$\frac{10 (8 x + 1)}{(10 x - 1) (x - 1)}$$

Sequence: A173813
Score: 12.8531
Type of gen. func.: lgdogf

$$-\frac{80 x^2 + 20 x - 19}{(x - 1) (8 x + 1) (10 x - 1)}$$

Sequence: A173813
Score: 5.72671
Type of gen. func.: ogf

$$(189 f(x) + 1720) (10 f(x) x^2 - 11 f(x) x + f(x) - 80 x - 10)$$

Sequence: A173813
Score: 6.18747
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 10, a(1) = 190\}$$

Sequence: A173833
Score: 11.5615
Type of gen. func.: ogf

$$\frac{20 x + 7}{(10 x - 1) (x - 1)}$$

Sequence: A173833
Score: 11.8128
Type of gen. func.: revogf

$$- \frac{-7 - 11 x + (81 x^2 + 234 x + 49)^{1/2}}{20 (x - 2)}$$

Sequence: A173833
Score: 12.0753
Type of gen. func.: lgdogf

$$- \frac{200 x^2 + 140 x - 97}{(x - 1) (20 x + 7) (10 x - 1)}$$

Sequence: A173833
Score: 5.96722

Type of gen. func.: ogf

$$(927 f(x) + 2920) (10 f(x) x^2 - 11 f(x) x + f(x) - 20 x - 7)$$

Sequence: A173833
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 7, a(1) = 97\}$$

Sequence: A173834
Score: 10.1717
Type of gen. func.: lgdogf

$$- \frac{2 (7 x + 2) (15 x^2 + 5 x - 2)}{(x - 1) (10 x - 1) (21 x^2 - 4 x + 1)}$$

Sequence: A173834
Score: 4.56977
Type of gen. func.: ogf

$$(307557 f(x) - 256997)$$

$$(10 f(x) x^3 - 21 f(x) x^2 + 12 f(x) x + 21 x^2 - f(x) - 4 x + 1)$$

Sequence: A173834
Score: 4.92432
Type of gen. func.: ogf

$$\{a(n + 3) - 12 a(n + 2) + 21 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 8, a(2) = 96\}$$

Sequence: A173834
Score: 8.78802
Type of gen. func.: ogf

$$- \frac{21 x^2 - 4 x + 1}{(10 x - 1) (x - 1)^2}$$

Sequence: A173835
Score: 10.4498
Type of gen. func.: lgdogf

$$-\frac{2\,(95 x^3 + 95 x^2 - 34 x + 6)}{(x - 1)\,(10 x - 1)\,(19 x^2 - 1)}$$

Sequence: A173835
Score: 4.43961
Type of gen. func.: ogf

$$-(307557 f(x) + 279623)$$

$$(10 f(x) x^3 - 21 f(x) x^2 + 12 f(x) x - 19 x^2 - f(x) + 1)$$

Sequence: A173835
Score: 4.70297
Type of gen. func.: ogf

{a(n + 3) - 12 a(n + 2) + 21 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 12,

a(2) = 104}

Sequence: A173835
Score: 9.09756
Type of gen. func.: ogf

$$\frac{19 x^2 - 1}{(10 x - 1)\,(x - 1)^2}$$

Sequence: A173847
Score: 14.8456
Type of gen. func.: egf]

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A173855
Score: 10.0391
Type of gen. func.: ogf

$$\frac{4 (x + 1) (2 x^4 - x^3 + 7 x^2 - x + 2)}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A173856
Score: 5.93934
Type of gen. func.: ogf

$$\frac{(x^7 - x^2 + 1) (x^7 - x^5 - 1)}{(x - 1) (x + 1) (x^4 + 1) (x^8 - x^4 + 1)}$$

Sequence: A173857
Score: 12.6447
Type of gen. func.: ogf

$$\frac{x^3 - x^2 - 1}{(x - 1) (x^2 + x + 1)}$$

Sequence: A173857
Score: 26.2886
Type of gen. func.: lgdogf

$$\frac{x (x^3 + 2)}{(x - 1) (x^2 + x + 1) (x^3 - x^2 - 1)}$$

Sequence: A173857
Score: 7.12947
Type of gen. func.: ogf

{a(n + 4) - a(n + 1), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 0}

Sequence: A173857
Score: 8.48317
Type of gen. func.: ogf

$$(f(x) - 1) (f(x) x^3 - x^3 + x^2 - f(x) + 1)$$

Sequence: A173858
Score: 14.5176
Type of gen. func.: lgdogf

$$\frac{x^2 (x^2 + 1) (3 x^4 - 4 x^2 + 3)}{(x - 1) (x + 1) (x^6 - x^4 - x^3 + x^2 - 1) (x^4 + 1)}$$

Sequence: A173858
Score: 7.39159
Type of gen. func.: ogf

$$\frac{x^6 - x^4 - x^3 + x^2 - 1}{(x^4 + 1) (x - 1) (x + 1)}$$

Sequence: A173860
Score: 5.94672
Type of gen. func.: ogf

$$(x^{24} - x^{21} - x^{18} - x^{16} - x^{13} - x^{11} - x^9 - x^4 - 1) \Big/ ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x^4 + 1) (x^8 - x^4 + 1))$$

Sequence: A173861
Score: 12.1585
Type of gen. func.: lgdogf

$$\frac{x^4 (x^2 + 1) (5 x^8 - 8 x^6 + 8 x^4 - 8 x^2 + 5)}{(x - 1) (x + 1) (x^{10} - x^8 - x^5 + x^2 - 1) (x^8 + 1)}$$

Sequence: A173861
Score: 7.22167
Type of gen. func.: ogf

$$\frac{x^{10} - x^{8} - x^{5} + x^{2} - 1}{(x - 1)\,(x + 1)\,(x^{8} + 1)}$$

Sequence: A173862
Score: 10.956
Type of gen. func.: ogf

$$-(f(x) - 1)\,(2\,f(x)\,x^{3} + x^{2} - f(x) + x + 1)$$

Sequence: A173862
Score: 11.3885
Type of gen. func.: ogf

$$\{a(n + 3) - 2\,a(n),\ a(0) = 1,\ a(1) = 1,\ a(2) = 1\}$$

Sequence: A173862
Score: 17.6637
Type of gen. func.: ogf

$$-\frac{x^{2} + x + 1}{2\,x^{3} - 1}$$

Sequence: A173862
Score: 18.4705
Type of gen. func.: lgdogf

$$-\frac{2\,x^{4} + 4\,x^{3} + 6\,x^{2} + 2\,x + 1}{(2\,x^{3} - 1)\,(x^{2} + x + 1)}$$

Sequence: A173864
Score: 4.96683
Type of gen. func.: ogf

$$\frac{x^{10} - x^8 + x^6 - x^5 - x^4 + x^2 - 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1)}$$

Sequence: A173873
Score: 14.6404
Type of gen. func.: ogf

$$\frac{12 x + 1}{(2 x - 1) (x - 1)}$$

Sequence: A173873
Score: 16.4998
Type of gen. func.: lgdogf

$$- \frac{24 x^2 + 4 x - 15}{(x - 1) (12 x + 1) (2 x - 1)}$$

Sequence: A173873
Score: 16.9228
Type of gen. func.: revogf

$$- \frac{-1 - 3 x + (x^2 + 54 x + 1)^{1/2}}{4 (-6 + x)}$$

Sequence: A173873
Score: 7.56696
Type of gen. func.: ogf

$$(41 f(x) + 184) (2 f(x) x^2 - 3 f(x) x + f(x) - 12 x - 1)$$

Sequence: A173873

Score: 8.11398
Type of gen. func.: ogf

$$\{-a(n+2) + 3\,a(n+1) - 2\,a(n),\ a(0) = 1,\ a(1) = 15\}$$

Sequence: A173911
Score: 4.61692
Type of gen. func.: ogf

$$1/(x^{18} - x^{17} + x^{16} - x^{15} - x^{12} + x^{11} - x^{10} + x^{9} - x^{8} + x^{7} - x^{6} - x^{3} + x^{2} - x + 1)$$

Sequence: A173924
Score: 10.9142
Type of gen. func.: ogf

$$\frac{1}{(x+1)\,(x^{2} - x + 1)\,(x^{10} - x^{7} - x^{5} - x^{3} + 1)}$$

Sequence: A173924
Score: 9.23125
Type of gen. func.: lgdogf

$$-\frac{x^{4}\,(13\,x^{8} - 8\,x^{3} - 7\,x^{2} - 6\,x - 5)}{(x+1)\,(x^{2} - x + 1)\,(x^{10} - x^{7} - x^{5} - x^{3} + 1)}$$

Sequence: A173925
Score: 14.6624
Type of gen. func.: lgdogf

$$-\frac{16\,x^{15} - 15\,x^{14} - 8\,x^{7} - 1}{x^{16} - x^{15} - x^{8} - x + 1}$$

Sequence: A173925
Score: 15.3090
Type of gen. func.: ogf

$$\frac{1}{x^{16} - x^{15} - x^{8} - x + 1}$$

Sequence: A173936
Score: 3.83916
Type of gen. func.: ogf

$$\{(-8 n^3 - 60 n^2 - 144 n - 112) a(n + 1) + (-8 n^2 - 40 n - 46) a(n + 2) + (-2 n - 3) a(n + 3), a(0) = 0, a(1) = -3, a(2) = 42\}$$

Sequence: A173952
Score: 13.8325
Type of gen. func.: revogf

$$- \frac{-5 x - 16 + 4 (x + 2)^{1/2} (8 + x)^{1/2}}{9 x}$$

Sequence: A173952
Score: 16.9293
Type of gen. func.: ogf

$$\frac{32}{(9 x - 1) (x - 1)}$$

Sequence: A173952
Score: 23.2386
Type of gen. func.: lgdogf

$$- \frac{2 (-5 + 9 x)}{(9 x - 1) (x - 1)}$$

Sequence: A173952
Score: 6.58362
Type of gen. func.: ogf

2

$$(7381 f(x) + 83808) (9 f(x) x - 10 f(x) x + f(x) - 32)$$

Sequence: A173952
Score: 6.88984
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 9 a(n), a(0) = 32, a(1) = 320\}$$

Sequence: A173960
Score: 12.7493
Type of gen. func.: ogf

$$-\frac{9 x^2 - 22 x + 21}{(x - 1)^3}$$

Sequence: A173960
Score: 20.7363
Type of gen. func.: lgdogf

$$-\frac{9 x^2 - 26 x + 41}{(x - 1) (9 x^2 - 22 x + 21)}$$

Sequence: A173960
Score: 6.80683
Type of gen. func.: ogf

$$(424 f(x) + 1071) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 9 x^2 - f(x) - 22 x + 21)$$

Sequence: A173960
Score: 6.98439
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 21, a(1) = 41, a(2) = 69\}$$

Sequence: A173961

Score: 17.0217
Type of gen. func.: lgdogf

$$-\frac{x^3 + 13 x^2 + 25 x + 9}{(x - 1) (x + 1) (x^2 + 4 x + 1)}$$

Sequence: A173961
Score: 4.33688
Type of gen. func.: ogf

$$\{(n^2 + 2 n) a(n + 1) + (-2 n^2 - 10 n - 39) a(n + 2) + (n^2 + 8 n + 15) a(n + 3),$$

$$a(0) = 4, a(1) = 36, a(2) = 140\}$$

Sequence: A173961
Score: 5.30062
Type of gen. func.: ogf

$$(324 f(x) + 4631) ($$

$$f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 x^3 - 4 f(x) x - 20 x^2 + f(x) - 20 x - 4$$

$$)$$

Sequence: A173961
Score: 9.66190
Type of gen. func.: ogf

$$\frac{4 (x + 1) (x^2 + 4 x + 1)}{(x - 1)^4}$$

Sequence: A173962
Score: 10.3204
Type of gen. func.: ogf

$$\frac{2 (7 x^2 + 10 x + 7)}{(x - 1)^4}$$

Sequence: A173962
Score: 18.6884
Type of gen. func.: lgdogf

$$-\frac{2\,(7 x^2 + 22 x + 19)}{(x - 1)\,(7 x^2 + 10 x + 7)}$$

Sequence: A173962
Score: 3.60713
Type of gen. func.: ogf

$$\{(-7 n - 28)\, a(n + 4) + (29 - 3 n)\, a(n + 3) + (50 + 3 n)\, a(n + 2) + (21 + 7 n)\, a(n + 1),\ a(0) = 14,\ a(1) = 76,\ a(2) = 234,\ a(3) = 536\}$$

Sequence: A173962
Score: 5.34581
Type of gen. func.: ogf

$$(2492 f(x) + 51829)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 14 x^2 + f(x) - 20 x - 14)$$

Sequence: A173963
Score: 21.3719
Type of gen. func.: lgdogf

$$-\frac{3\,(x^2 - 2 x - 9)}{(x - 1)\,(x^2 - 2 x - 5)}$$

Sequence: A173963
Score: 3.65295
Type of gen. func.: ogf

$$\{(131 n^2 + 545 n + 566)\, a(n + 1) + (-744 n^2 - 4291 n - 6507)\, a(n + 2) + (613 n^2 + 1818 n + 1205)\, a(n + 3),\ a(0) = 0,\ a(1) = 0,\ a(2) = 20\}$$

Sequence: A173963
Score: 8.09460
Type of gen. func.: ogf

$$\frac{4 x^2 (x^2 - 2 x - 5)}{(x - 1)^5}$$

Sequence: A173965
Score: 16.9353
Type of gen. func.: lgdogf

$$- \frac{2 x^3 + 8 x^2 + 5 x + 9}{(x - 1) (x + 1) (2 x^2 - x + 2)}$$

Sequence: A173965
Score: 4.22172
Type of gen. func.: ogf

$$\{(-5 n^2 - 37 n - 54) a(n + 1) + (10 n^2 + 50 n + 6) a(n + 2)$$

$$+ (-5 n^2 - 13 n + 6) a(n + 3), a(0) = 2, a(1) = 9, a(2) = 25\}$$

Sequence: A173965
Score: 5.27715
Type of gen. func.: ogf

$$(14688 f(x) + 9251)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 2 x^3 - 4 f(x) x - x^2 + f(x) - x - 2)$$

Sequence: A173965
Score: 9.86895
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x^2 - x + 2)}{}$$

$$(x - 1)^4$$

Sequence: A173989
Score: 12.1083
Type of gen. func.: ogf

$$\frac{x^2 (x^4 - x^3 + x^2 + 1)}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A173989
Score: 12.8281
Type of gen. func.: lgdogf

$$- \frac{x^7 - x^6 + 3 x^5 + x^4 + 9 x^3 - x^2 + 3 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^4 - x^3 + x^2 + 1)}$$

Sequence: A173992
Score: 12.3891
Type of gen. func.: revogf

$$- \frac{-1 - 2 x - x^2 + (x^4 - 4 x^3 + 6 x^2 + 1)^{1/2}}{2 (2 x^2 + 1)}$$

Sequence: A173992
Score: 8.27274
Type of gen. func.: ogf

$$-2 f(x)^2 x^3 + f(x)^2 x^2 + 2 f(x) x - f(x) - x + 1$$

Sequence: A173993
Score: 5.77476
Type of gen. func.: ogf

$$-3 f(x)^2 x^3 + 4 f(x)^2 x^2 - f(x)^2 x - 2 f(x) x^2 + 4 f(x) x - f(x) - x + 1$$

Sequence: A173993
Score: 9.88752
Type of gen. func.: revogf

$$-\frac{-1-4x-4x^2+(4x^4+12x^3+12x^2+4x+1)^{1/2}}{2(3x^2+2x+1)}$$

Sequence: A173998
Score: 3.28800
Type of gen. func.: ogf

$$\{(-9n-18)a(n+1)+(23n+67)a(n+2)+(-15n-54)a(n+3)$$
$$+(n+5)a(n+4),\ a(0)=3,\ a(1)=13,\ a(2)=83,\ a(3)=673\}$$

Sequence: A173998
Score: 5.76102
Type of gen. func.: ogf

$$f(x)^2x^3-2f(x)^2x^2+f(x)^2x-f(x)x^2+2f(x)x-f(x)-2x+3$$

Sequence: A174002
Score: 10.1873
Type of gen. func.: ogf

$$\frac{5x}{(x-1)^6}$$

Sequence: A174002
Score: 55.9442
Type of gen. func.: ogf_with_Euler_transform]

[6]

Sequence: A174002

Score: 7.12119
Type of gen. func.: ogf

$$\{(n + 1) a(n + 2) + (-6 - n) a(n + 1), a(0) = 0, a(1) = 5\}$$

Sequence: A174002
Score: 90.3630
Type of gen. func.: lgdogf

$$-\frac{6}{x - 1}$$

Sequence: A174007
Score: 12.2384
Type of gen. func.: ogf

$$-\frac{x^3 + 2 x^2 - 2}{(x - 1)^2 (x + 1)^2}$$

Sequence: A174007
Score: 18.8050
Type of gen. func.: lgdogf

$$-\frac{x (x^3 + 4 x^2 + 3 x - 4)}{(x - 1) (x + 1) (x^3 + 2 x^2 - 2)}$$

Sequence: A174007
Score: 7.31902
Type of gen. func.: ogf

$$-(4 f(x) + 25) (f(x) x^4 - 2 f(x) x^2 + x^3 + 2 x^2 + f(x) - 2)$$

Sequence: A174012
Score: 15.6870
Type of gen. func.: ogf

2

$$\frac{3 (2 x + x + 2)}{(x - 1)^{2} (x + 1)^{2}}$$

Sequence: A174012
Score: 19.5005
Type of gen. func.: lgdogf

$$- \frac{4 x^{3} + 3 x^{2} + 12 x + 1}{(x - 1) (x + 1) (2 x^{2} + x + 2)}$$

Sequence: A174012
Score: 7.64238
Type of gen. func.: ogf

$$\{(n + 4) a(n + 1) + (-n - 2) a(n + 3), a(0) = 6, a(1) = 3, a(2) = 18\}$$

Sequence: A174012
Score: 8.83988
Type of gen. func.: ogf

$$-(2 f(x) - 33) (f(x) x^{4} - 2 f(x) x^{2} - 6 x^{3} - 3 x^{2} + f(x) - 6 x)$$

Sequence: A174013
Score: 4.87215
Type of gen. func.: ogf

$$f(x)^{2} x^{3} + f(x)^{2} x^{2} - f(x)^{2} x + f(x) x^{2} + 3 f(x) x - f(x) - x + 1$$

Sequence: A174013
Score: 9.51384
Type of gen. func.: revogf

$$\frac{-1 - 3 x - x^{2} + (5 x^{4} + 14 x^{3} + 11 x^{2} + 2 x + 1)^{1/2}}{2 (x^{2} + x - 1)}$$

Sequence: A174015
Score: 15.1923
Type of gen. func.: revogf

$$\frac{1}{2} + \frac{3x}{2} + \frac{x^2}{2} - \frac{(x^4 + 6x^3 + 7x^2 + 2x + 1)^{1/2}}{2}$$

Sequence: A174015
Score: 8.98169
Type of gen. func.: ogf

$$-f(x)^2 x^2 + f(x)^2 x - 3 f(x) x + f(x) + x - 1$$

Sequence: A174016
Score: 12.5808
Type of gen. func.: revogf

$$1/2 + 2x + x^2 - \frac{(4x^4 + 16x^3 + 16x^2 + 4x + 1)^{1/2}}{2}$$

Sequence: A174016
Score: 7.4049
Type of gen. func.: ogf

$$-2 f(x)^2 x^2 + f(x)^2 x - 4 f(x) x + f(x) + x - 1$$

Sequence: A174029
Score: 11.5021
Type of gen. func.: ogf

$$\frac{3 (3x^3 + 5x^2 + 6x + 1)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A174029

Score: 7.0058
Type of gen. func.: ogf

$$-(34 f(x) - 295) (f(x) x^4 - 2 f(x) x^2 - 9 x^3 - 15 x^2 + f(x) - 18 x - 3)$$

Sequence: A174041
Score: 14.0281
Type of gen. func.: ogf

$$- \frac{3 x^2 - x - 8}{(x - 1)^2 (x + 1)}$$

Sequence: A174041
Score: 19.0759
Type of gen. func.: lgdogf

$$- \frac{3 x^3 + x^2 - 19 x - 9}{(x - 1) (x + 1) (3 x^2 - x - 8)}$$

Sequence: A174041
Score: 7.01408
Type of gen. func.: ogf

$$-(2028 f(x) + 36419) (f(x) x^3 - f(x) x^2 - f(x) x + 3 x^2 + f(x) - x - 8)$$

Sequence: A174041
Score: 7.57272
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 8, a(1) = 9, a(2) = 14\}$$

Sequence: A174091
Score: 11.9438
Type of gen. func.: ogf

$$x^3 - x + 2$$

$$\frac{}{(x^2 + 1) (x - 1)^2}$$

Sequence: A174091
Score: 6.10459
Type of gen. func.: ogf

$-(28 f(x) + 69)$

$$(f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - x^3 - 2 f(x) x + f(x) + x - 2)$$

Sequence: A174091
Score: 67.2750
Type of gen. func.: lgdegf]

$$- \frac{8}{-1 + 16 x}$$

Sequence: A174091
Score: 73.3910
Type of gen. func.: revegf]

$$-x (4 x - 1)$$

Sequence: A174107
Score: 5.34363
Type of gen. func.: ogf

$$f(x)^2 x^3 - f(x)^2 x^2 + f(x)^2 x - f(x) x^2 + f(x) x - f(x) + 1$$

Sequence: A174114
Score: 12.6423
Type of gen. func.: lgdogf

$$- \frac{x^5 + 3 x^4 + 17 x^3 + 11 x^2 + 14 x + 2}{(x - 1) (x + 1) (x^4 + x^3 + 4 x^2 + x + 1)}$$

Sequence: A174114
Score: 9.00516
Type of gen. func.: ogf

$$-\frac{x^{4} + x^{3} + 4 x^{2} + x + 1}{(x + 1)^{2} (x - 1)^{3}}$$

Sequence: A174120
Score: 10.5789
Type of gen. func.: lgdogf

$$-\frac{4 x^{4} + 27 x^{3} - 35 x^{2} + 14 x - 2}{(x - 1) (2 x - 1) (x^{3} + 4 x^{2} - 4 x + 1)}$$

Sequence: A174120
Score: 7.69687
Type of gen. func.: ogf

$$-\frac{x^{3} + 4 x^{2} - 4 x + 1}{(2 x - 1) (x - 1)^{4}}$$

Sequence: A174121
Score: 10.9666
Type of gen. func.: lgdogf

$$-\frac{12 x^{4} - 3 x^{3} + 7 x^{2} - 12 x + 4}{(x - 1) (2 x - 1) (3 x^{3} - 2 x^{2} + 2 x - 1)}$$

Sequence: A174121
Score: 9.00251
Type of gen. func.: ogf

$$\frac{3 x^{3} - 2 x^{2} + 2 x - 1}{{}^{4}}$$

$$(2 x - 1) (x - 1)$$

Sequence: A174132
Score: 13.6624
Type of gen. func.: ogf

$$\frac{x - 3}{(x + 1) (3 x - 1)}$$

Sequence: A174132
Score: 14.3317
Type of gen. func.: revogf

$$\frac{-3 - 2 x + (16 x^2 + 8 x + 9)^{1/2}}{2 (3 x - 1)}$$

Sequence: A174132
Score: 16.7203
Type of gen. func.: lgdogf

$$- \frac{3 x^2 - 18 x - 5}{(3 x - 1) (x - 3) (x + 1)}$$

Sequence: A174132
Score: 6.7561
Type of gen. func.: ogf

$$-(28 f(x) - 59) (3 f(x) x^2 + 2 f(x) x - f(x) - x + 3)$$

Sequence: A174132
Score: 7.49763
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 3 a(n), a(0) = 3, a(1) = 5\}$$

Sequence: A174138

Score: 6.79732
Type of gen. func.: ogf

$$\frac{6x^{10}+x^9+x^8+x^7+x^6+6x^5+x^4+x^3+x^2+x+5}{(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x-1)^2}$$

Sequence: A174139
Score: 5.21821
Type of gen. func.: ogf

$$x(x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+6x^9+x^8+x^7+x^6+x^5+6x^4+x^3+x^2+x+1) \Big/ \left((x^2+x+1)(x^4+x^3+x^2+x+1)(x^8-x^7+x^5-x^4+x^3-x+1)(x-1)^2\right)$$

Sequence: A174140
Score: 5.09879
Type of gen. func.: ogf

$$(x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+10) \Big/ \left((x^2+x+1)(x^4+x^3+x^2+x+1)(x^8-x^7+x^5-x^4+x^3-x+1)(x-1)^2\right)$$

Sequence: A174141
Score: 7.07977
Type of gen. func.: ogf

$$\frac{x(16x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)}{(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x-1)^2}$$

Sequence: A174169
Score: 16.1975
Type of gen. func.: revogf

$$-\frac{-1 - x - x^2 + (x^4 + 2 x^3 - 9 x^2 + 2 x + 1)^{1/2}}{6 x}$$

Sequence: A174169
Score: 9.01868
Type of gen. func.: ogf

$$-f(x)^2 x^2 + 3 f(x) x^2 - f(x) x + f(x) - 1$$

Sequence: A174171
Score: 13.8145
Type of gen. func.: revogf

$$\frac{-1 - x - x^2 + (x^4 + 2 x^3 + 11 x^2 + 2 x + 1)^{1/2}}{4 x}$$

Sequence: A174171
Score: 8.60342
Type of gen. func.: ogf

$$f(x)^2 x^2 + 2 f(x) x^2 + f(x) x - f(x) + 1$$

Sequence: A174183
Score: 12.6486
Type of gen. func.: egf]

$$-f(x) x + f(x) - 9 x - 1$$

Sequence: A174183
Score: 15.3835
Type of gen. func.: egf]

$$-\frac{9 x + 1}{x - 1}$$

Sequence: A174183
Score: 3.98034
Type of gen. func.: ogf

$$\{(9 n^2 + 9 n) a(n) + (n^2 - 5 n + 4) a(n + 1) + (-n - 2) a(n + 2), a(0) = 1, a(1) = 10\}$$

Sequence: A174183
Score: 32.7768
Type of gen. func.: lgdegf]

$$-\frac{10}{(9 x + 1) (x - 1)}$$

Sequence: A174191
Score: 12.1034
Type of gen. func.: ogf

$$-\frac{(x + 1) (2 x - 1)}{(x - 1) (x^2 + 2 x - 1)}$$

Sequence: A174191
Score: 12.9388
Type of gen. func.: lgdogf

$$-\frac{2 (x^4 + x^3 + 2 x^2 - 3 x + 1)}{(x - 1) (2 x - 1) (x + 1) (x^2 + 2 x - 1)}$$

Sequence: A174191
Score: 6.59204
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 3\}$$

Sequence: A174191
Score: 6.65142
Type of gen. func.: ogf

$$(2 f(x) + 1) (f(x) x^3 + f(x) x^2 - 3 f(x) x + 2 x^2 + f(x) + x - 1)$$

Sequence: A174192
Score: 5.26177
Type of gen. func.: ogf

$$(74 f(x) - 399) (f(x) x^3 + f(x) x^2 - 3 f(x) x - 2 x^2 + f(x) + x - 1)$$

Sequence: A174192
Score: 5.35574
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 7\}$$

Sequence: A174192
Score: 9.83349
Type of gen. func.: ogf

$$\frac{2 x^2 - x + 1}{(x - 1) (x^2 + 2 x - 1)}$$

Sequence: A174215
Score: 8.44172
Type of gen. func.: ogf

$$(30 x^{55} - 30 x^{54} + x^{25} + 3 x^{23} - 4 x^{22} + 12 x^{19} - 12 x^{18} + x^7 + 4 x^6 - 5 x^5 + x - 2)/(x - 1)$$

Sequence: A174227
Score: 13.4630
Type of gen. func.: revogf

$$1/20 + x/2 - \frac{(140 x^2 - 20 x + 1)^{1/2}}{20}$$

Sequence: A174227
Score: 8.04857
Type of gen. func.: ogf

$$-f(x)^{2} x - 10 f(x) x + f(x) + 10 x - 1$$

Sequence: A174239
Score: 16.5692
Type of gen. func.: ogf

$$\frac{x^{3} + x^{2} + 1}{(x - 1)^{2} (x + 1)^{2}}$$

Sequence: A174239
Score: 24.9385
Type of gen. func.: lgdogf

$$-\frac{x (x + 2) (x^{2} + 3)}{(x - 1) (x + 1) (x^{3} + x^{2} + 1)}$$

Sequence: A174239
Score: 9.62594
Type of gen. func.: ogf

$$-(210 f(x) + 527) (f(x) x^{4} - 2 f(x) x^{2} - x^{3} - x^{2} + f(x) - 1)$$

Sequence: A174256
Score: 12.9034
Type of gen. func.: ogf

$$\frac{8 x^{3} (2 x + 1)}{(x^{2} + x + 1) (x + 1) (x - 1)^{2}}$$

Sequence: A174256
Score: 14.8689
Type of gen. func.: lgdogf

$$-\frac{8x^4+13x^3+9x^2+4x+2}{(x-1)(2x+1)(x+1)(x^2+x+1)}$$

Sequence: A174256
Score: 9.46249
Type of gen. func.: ogf

$$f(x)\,x^5-f(x)\,x^3-16\,x^4-f(x)\,x^2-8\,x^3+f(x)$$

Sequence: A174257
Score: 10.0726
Type of gen. func.: ogf

$$f(x)\,x^5-f(x)\,x^3-2\,x^4-f(x)\,x^2-x^3+f(x)$$

Sequence: A174257
Score: 13.7917
Type of gen. func.: ogf

$$\frac{x^3(2x+1)}{(x^2+x+1)(x+1)(x-1)^2}$$

Sequence: A174257
Score: 15.6514
Type of gen. func.: lgdogf

$$-\frac{8x^4+13x^3+9x^2+4x+2}{(x-1)(2x+1)(x+1)(x^2+x+1)}$$

Sequence: A174296
Score: 10.3260
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 2), a(0) = 1, a(1) = 2, a(2) = 2, a(3) = 3\}$$

Sequence: A174296
Score: 11.9433
Type of gen. func.: ogf

$$(f(x) + 1) (f(x) x^2 + x^3 + x^2 - f(x) + 2 x + 1)$$

Sequence: A174296
Score: 17.3911
Type of gen. func.: ogf

$$- \frac{x^3 + x^2 + 2 x + 1}{(x - 1) (x + 1)}$$

Sequence: A174296
Score: 21.1452
Type of gen. func.: lgdogf

$$\frac{x^4 - 5 x^2 - 4 x - 2}{(x - 1) (x + 1) (x^3 + x^2 + 2 x + 1)}$$

Sequence: A174297
Score: 5.78519
Type of gen. func.: ogf

$$-f(x)^2 x - f(x) x^2 - x^3 + f(x)^2 + 3 f(x) x + x^2 - 2 f(x) - 2 x + 1$$

Sequence: A174312
Score: 10.5488
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 32\}$$

Sequence: A174312
Score: 106.651
Type of gen. func.: lgdogf

$$-\frac{2}{x-1}$$

Sequence: A174312
Score: 14.4167
Type of gen. func.: ogf

$$-f(x)\,x^2 + 2\,f(x)\,x - f(x) + 32\,x$$

Sequence: A174312
Score: 22.7632
Type of gen. func.: ogf

$$\frac{32\,x}{(x-1)^2}$$

Sequence: A174312
Score: 35.5503
Type of gen. func.: revogf

$$\frac{2\,x}{(4 + (16 + 2\,x)^{1/2})^2}$$

Sequence: A174312
Score: 66.2034
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A174316
Score: 10.5791
Type of gen. func.: ogf

$$-\frac{4x^5 - 2x^4 - x^3 + 2x - 1}{(2x - 1)(x - 1)}$$

Sequence: A174316
Score: 9.06141
Type of gen. func.: lgdogf

$$\frac{24x^6 - 56x^5 + 36x^4 - 2x^3 - 7x^2 + 4x - 1}{(x - 1)(2x - 1)(4x^5 - 2x^4 - x^3 + 2x - 1)}$$

Sequence: A174317
Score: 10.0039
Type of gen. func.: lgdogf

$$\frac{4x^5 - 21x^4 + 40x^3 - 29x^2 + 10x - 2}{(x - 1)(2x - 1)(x^4 - 6x^3 + 3x^2 + x - 1)}$$

Sequence: A174317
Score: 10.6416
Type of gen. func.: ogf

$$-\frac{x^4 - 6x^3 + 3x^2 + x - 1}{(2x - 1)(x - 1)}$$

Sequence: A174317
Score: 5.78163
Type of gen. func.: ogf

$$\{a(n + 5) - 3a(n + 4) + 2a(n + 3), a(0) = 1, a(1) = 2, a(2) = 1, a(3) = 5, a(4) = 12\}$$

Sequence: A174317
Score: 6.32988
Type of gen. func.: ogf

$$(1275 f(x) - 16009) (x^4 + 2 f(x) x^2 - 6 x^3 - 3 f(x) x + 3 x^2 + f(x) + x - 1)$$

Sequence: A174318
Score: 3.37213
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) + (-3 - n) a(n + 2) + (-n^2 - 5 n - 4) a(n + 3)$$
$$+ (n + 1) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 3\}$$

Sequence: A174325
Score: 5.12734
Type of gen. func.: ogf

$$- 3 x (7 x^{10} + 5 x^9 + 39 x^8 + 4 x^7 + 74 x^6 + 18 x^5 + 58 x^4 + 2 x^3 + 15 x^2 + x - 1) / ((x - 1)^3 (x + 1)^3 (x^2 + 1)^3)$$

Sequence: A174333
Score: 12.4240
Type of gen. func.: ogf

$$- \frac{61 x (x + 1)}{(x - 1)^3}$$

Sequence: A174333
Score: 34.6407
Type of gen. func.: ogf_with_Euler_transform]

$$[4 - x]$$

Sequence: A174333
Score: 36.1092
Type of gen. func.: lgdogf

$$-\frac{2 (x + 2)}{(x - 1) (x + 1)}$$

Sequence: A174333
Score: 6.42997
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 61, a(2) = 244\}$$

Sequence: A174333
Score: 6.66378
Type of gen. func.: ogf

$$(4 f(x) + 61) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 61 x^2 - f(x) + 61 x)$$

Sequence: A174334
Score: 12.5464
Type of gen. func.: ogf

$$-\frac{73 x (x + 1)}{(x - 1)^3}$$

Sequence: A174334
Score: 34.9820
Type of gen. func.: ogf_with_Euler_transform]

[4 - x]

Sequence: A174334
Score: 36.4703
Type of gen. func.: lgdogf

$$-\frac{2 (x + 2)}{(x - 1) (x + 1)}$$

Sequence: A174334
Score: 6.49332

Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 73, a(2) = 292\}$$

Sequence: A174334
Score: 6.72944
Type of gen. func.: ogf

$$(4 f(x) + 73) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 73 x^2 - f(x) + 73 x)$$

Sequence: A174335
Score: 15.4941
Type of gen. func.: lgdegf]

$$- \frac{2 (x^2 + 7 x + 4)}{(x - 1) (x^2 + 4 x + 1)}$$

Sequence: A174335
Score: 3.47801
Type of gen. func.: egf]

$$-(165 f(x) + 4348)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 16 x^3 - 4 f(x) x - 64 x^2 + f(x) - 16 x)$$

Sequence: A174335
Score: 6.63567
Type of gen. func.: egf]

$$\frac{16 x (x^2 + 4 x + 1)}{(x - 1)^4}$$

Sequence: A174337
Score: 11.8110
Type of gen. func.: ogf

$$94 x (x + 1)$$

```
                                    - ------------
                                               3
                                        (x - 1)



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Sequence:  A174337
Score: 32.9127
Type of gen. func.: ogf_with_Euler_transform]


                                       [4 - x]



--------------------------------------------------------------------------------

Sequence:  A174337
Score: 34.3091
Type of gen. func.: lgdogf


                                       2 (x + 2)
                                  - ---------------
                                    (x - 1) (x + 1)



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Sequence:  A174337
Score: 6.11271
Type of gen. func.: ogf


  {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 94, a(2) = 376}



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Sequence:  A174337
Score: 6.33498
Type of gen. func.: ogf


                             3            2                        2
      (2 f(x) + 47) (f(x) x  - 3 f(x) x  + 3 f(x) x + 94 x  - f(x) + 94 x)



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Sequence:  A174338
Score: 12.3297
Type of gen. func.: ogf


                                      97 x (x + 1)
                                    - ------------
                                               3
                                        (x - 1)



--------------------------------------------------------------------------------

Sequence:  A174338
Score: 34.3684
```

Type of gen. func.: ogf_with_Euler_transform]

$$[4 - x]$$

Sequence: A174338
Score: 35.8352
Type of gen. func.: lgdogf

$$- \frac{2 (x + 2)}{(x - 1) (x + 1)}$$

Sequence: A174338
Score: 6.38118
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 97, a(2) = 388\}$$

Sequence: A174338
Score: 6.61322
Type of gen. func.: ogf

$$(4 f(x) + 97) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 97 x^2 - f(x) + 97 x)$$

Sequence: A174339
Score: 12.1605
Type of gen. func.: ogf

$$- \frac{109 x (x + 1)}{(x - 1)^3}$$

Sequence: A174339
Score: 35.0456
Type of gen. func.: ogf_with_Euler_transform]

$$[4 - x]$$

Sequence: A174339

Score: 36.5519
Type of gen. func.: lgdogf

$$-\frac{2 (x + 2)}{(x - 1) (x + 1)}$$

Sequence: A174339
Score: 6.45034
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 109, a(2) = 436}

Sequence: A174339
Score: 6.5645
Type of gen. func.: ogf

$$(4 f(x) + 109) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 109 x^2 - f(x) + 109 x)$$

Sequence: A174347
Score: 30.1376
Type of gen. func.: revogf

$$\frac{x (x - 1)}{x^2 - 2 x - 1}$$

Sequence: A174347
Score: 7.53441
Type of gen. func.: lgdogf

$$-\frac{1 + 2 (8 x^2 - 8 x + 1)^{1/2} x - (8 x^2 - 8 x + 1)^{1/2}}{2 (x - 1) x (8 x^2 - 8 x + 1)^{1/2}}$$

Sequence: A174347
Score: 7.98854
Type of gen. func.: ogf

$$f(x)^2 x^2 - f(x)^2 x - 2 f(x) x + f(x) - 1$$

Sequence: A174353
Score: 10.1152
Type of gen. func.: ogf

$$\frac{x^{48} - x^{40} + x^{38} - x^{36} + x^{10} - x^{8} + x^{2} - x - 1}{x - 1}$$

Sequence: A174371
Score: 12.2700
Type of gen. func.: ogf

$$- \frac{49 x^{2} + 22 x + 1}{(x - 1)^{3}}$$

Sequence: A174371
Score: 18.9589
Type of gen. func.: lgdogf

$$- \frac{49 x^{2} + 142 x + 25}{(x - 1) (49 x^{2} + 22 x + 1)}$$

Sequence: A174371
Score: 6.49589
Type of gen. func.: ogf

$$(501 f(x) - 11419) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 49 x^{2} - f(x) + 22 x + 1)$$

Sequence: A174371
Score: 6.72183
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 25, a(2) = 121\}$

Sequence: A174390
Score: 14.3293
Type of gen. func.: lgdogf

$$-\frac{4x^3+3x^2-12x+1}{(x-1)(x+1)(2x^2+x-4)}$$

Sequence: A174390
Score: 5.69714
Type of gen. func.: ogf

$$(3f(x)+23)(f(x)x^4-2f(x)x^2+2x^3+x^2+f(x)-4x)$$

Sequence: A174390
Score: 9.15279
Type of gen. func.: ogf

$$-\frac{x(2x^2+x-4)}{(x-1)^2(x+1)^2}$$

Sequence: A174395
Score: 14.7120
Type of gen. func.: ogf

$$-\frac{2x}{(x-1)(3x-1)(2x-1)(x+1)}$$

Sequence: A174395
Score: 6.13965
Type of gen. func.: ogf

$$-(1897f(x)-1944)(6f(x)x^4-5f(x)x^3-5f(x)x^2+5f(x)x-f(x)+2x)$$

Sequence: A174396
Score: 10.6242
Type of gen. func.: ogf

$$\frac{x^4 + 3x^3 + x^2 + 3x + 1}{(x + 1)(x^2 + 1)(x - 1)^2}$$

Sequence: A174396
Score: 6.92538
Type of gen. func.: lgdogf

$$-\frac{x^7 + 7x^6 + 7x^5 + 17x^4 + 16x^3 + 14x^2 + 6x + 4}{(x - 1)(x + 1)(x^2 + 1)(x^4 + 3x^3 + x^2 + 3x + 1)}$$

Sequence: A174398
Score: 10.6969
Type of gen. func.: ogf

$$\frac{4x^3 - x^2 + 2x + 1}{(x^2 + 1)(x - 1)^2}$$

Sequence: A174398
Score: 10.8781
Type of gen. func.: lgdogf

$$-\frac{2(x^2 - x + 2)(2x^3 + 3x^2 + 1)}{(x - 1)(x^2 + 1)(4x^3 - x^2 + 2x + 1)}$$

Sequence: A174398
Score: 4.20236
Type of gen. func.: ogf

$\{(n + 3) a(n + 1) + (-n - 2) a(n + 2) + (n + 3) a(n + 3) + (-n - 2) a(n + 4),$

$a(0) = 1, a(1) = 4, a(2) = 5, a(3) = 8\}$

Sequence: A174398

```
Score: 6.01214
Type of gen. func.: ogf


(f(x) + 3)

           4           3           2      3               2
    (f(x) x  - 2 f(x) x  + 2 f(x) x  - 4 x  - 2 f(x) x + x  + f(x) - 2 x - 1)



------------------------------------------------------------------------------

Sequence:  A174399
Score: 13.3690
Type of gen. func.: revogf


                           2     4      3      2           1/2
                 -1 - x - x  + (x  + 2 x  + 7 x  - 6 x + 1)
                 ---------------------------------------------
                                   2 (x - 2)



------------------------------------------------------------------------------

Sequence:  A174399
Score: 7.89952
Type of gen. func.: ogf


                      2  2          2
                 -f(x)  x  - f(x) x  - f(x) x + f(x) + 2 x - 1



------------------------------------------------------------------------------

Sequence:  A174403
Score: 13.2697
Type of gen. func.: revogf


                            2     4      3       2           1/2
                -1 - 2 x - x  + (x  + 4 x  + 14 x  + 4 x + 1)
                ------------------------------------------------
                                      4 x



------------------------------------------------------------------------------

Sequence:  A174403
Score: 8.61154
Type of gen. func.: ogf


                       2  2            2
                  -f(x)  x  - 2 f(x) x  - 2 f(x) x + f(x) - 1



------------------------------------------------------------------------------

Sequence:  A174416
Score: 11.0560
Type of gen. func.: lgdogf


                    21       20       19      4      3
```

$$\frac{19 x - 39 x + 20 x + 2 x - 4 x + 2 x + 2}{(x - 1) (x^{21} - x^{20} + x^{4} - x^{2} - 1)}$$

Sequence: A174438
Score: 11.3072
Type of gen. func.: ogf

$$\frac{x (x + 2) (x^{2} + x + 1)}{(x + 1) (x^{2} + 1) (x - 1)^{2}}$$

Sequence: A174443
Score: 12.0658
Type of gen. func.: ogf

$$8 f(x) x^{2} - 4 f(x) x - f(x) + x$$

Sequence: A174443
Score: 20.4808
Type of gen. func.: revogf

$$\frac{-1 + 4 x + (48 x^{2} - 8 x + 1)^{1/2}}{16 x}$$

Sequence: A174443
Score: 21.5722
Type of gen. func.: ogf

$$-\frac{x}{8 x^{2} - 4 x - 1}$$

Sequence: A174443
Score: 30.7211
Type of gen. func.: lgdogf

$$-\frac{4 (4 x - 1)}{}$$

$$8 x^2 - 4 x - 1$$

Sequence: A174443
Score: 8.78868
Type of gen. func.: ogf

$$\{a(n + 2) + 4 a(n + 1) - 8 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A174455
Score: 20.9318
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^3 + 2 x^2}{x - 1}$$

Sequence: A174469
Score: 12.1673
Type of gen. func.: lgdogf

$$\frac{2 x^3 (x^5 + 4 x^2 - 8 x + 4)}{(x^2 - x + 1) (x^3 + x^2 - 1) (3 x^5 - 2 x^4 + x - 1)}$$

Sequence: A174469
Score: 12.3719
Type of gen. func.: ogf

$$\frac{3 x^5 - 2 x^4 + x - 1}{(x^2 - x + 1) (x^3 + x^2 - 1)}$$

Sequence: A174470
Score: 7.23652
Type of gen. func.: lgdogf

$$- \frac{3 (6561 x^8 + 2187 x^7 + 729 x^6 + 81 x^4 + 27 x^3 + 3 x + 1)}{\quad {}^2 \qquad\qquad {}^6 \quad {}^3}$$

$$(3 x - 1) (9 x + 3 x + 1) (729 x + 27 x + 1)$$

Sequence: A174474
Score: 15.9102
Type of gen. func.: lgdogf

$$-\frac{3 (x^3 - 5 x^2 + x - 1)}{(x - 1) (x + 1) (x^2 - 4 x + 1)}$$

Sequence: A174474
Score: 8.04868
Type of gen. func.: ogf

$$\frac{x^2 (x^2 - 4 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A174500
Score: 7.13005
Type of gen. func.: lgdogf

$$-\frac{2 (x^9 + 3 x^8 - 8 x^7 + 18 x^5 - 20 x^4 - 8 x^3 + 8 x^2 + x + 1)}{(x - 1) (x + 1) (x^4 + 2 x^3 - 4 x^2 + 2 x + 1) (x^4 - 4 x^2 + 1)}$$

Sequence: A174500
Score: 8.98593
Type of gen. func.: ogf

$$-\frac{x^4 + 2 x^3 - 4 x^2 + 2 x + 1}{(x - 1) (x + 1) (x^4 - 4 x^2 + 1)}$$

Sequence: A174501
Score: 5.91705
Type of gen. func.: lgdogf

$$- 2 (x^{9} + 6 x^{8} - 12 x^{7} - 4 x^{6} + 38 x^{5} - 56 x^{4} - 12 x^{3} + 20 x^{2} + x + 2) \Big/ \left((x - 1) (x + 1) (x^{2} + 2 x - 1) (x^{2} - 2 x - 1) (x^{4} + 4 x^{3} - 6 x^{2} + 4 x + 1)\right)$$

Sequence: A174501
Score: 9.81473
Type of gen. func.: ogf

$$- \frac{x^{4} + 4 x^{3} - 6 x^{2} + 4 x + 1}{(x - 1) (x + 1) (x^{2} + 2 x - 1) (x^{2} - 2 x - 1)}$$

Sequence: A174502
Score: 6.30995
Type of gen. func.: lgdogf

$$- \frac{2 (x^{9} + 9 x^{8} - 16 x^{7} - 12 x^{6} + 66 x^{5} - 108 x^{4} - 16 x^{3} + 36 x^{2} + x + 3)}{(x - 1) (x + 1) (x^{4} + 6 x^{3} - 8 x^{2} + 6 x + 1) (x^{4} - 8 x^{2} + 1)}$$

Sequence: A174502
Score: 8.82253
Type of gen. func.: ogf

$$- \frac{x^{4} + 6 x^{3} - 8 x^{2} + 6 x + 1}{(x - 1) (x + 1) (x^{4} - 8 x^{2} + 1)}$$

Sequence: A174503
Score: 5.62482
Type of gen. func.: lgdogf

$$- \frac{2 (x^{9} + 12 x^{8} - 20 x^{7} - 24 x^{6} + 102 x^{5} - 176 x^{4} - 20 x^{3} + 56 x^{2} + x + 4)}{(x - 1) (x + 1) (x^{4} + 8 x^{3} - 10 x^{2} + 8 x + 1) (x^{4} - 10 x^{2} + 1)}$$

Sequence: A174503
Score: 7.86714
Type of gen. func.: ogf

$$-\frac{x^4+8x^3-10x^2+8x+1}{(x-1)(x+1)(x^4-10x^2+1)}$$

Sequence: A174504
Score: 6.65958
Type of gen. func.: ogf

$$-\frac{(x^2-x+1)(x^6-2x^5-2x^4-2x^3+6x^2+2x+1)}{(x-1)(x^2+x+1)(x^6-6x^3+1)}$$

Sequence: A174505
Score: 7.30474
Type of gen. func.: ogf

$$\frac{x^9-x^7-5x^6+2x^5+3x^4+6x^3-3x^2-x-3}{(x-1)(x^2+x+1)(x^6-3x^3+1)}$$

Sequence: A174506
Score: 5.44200
Type of gen. func.: ogf

$$-\frac{(x^6-4x^5-4x^4-2x^3+20x^2+4x+1)(x^2-x+1)}{(x-1)(x^2+x+1)(x^2-3x+1)(x^4+3x^3+8x^2+3x+1)}$$

Sequence: A174507
Score: 5.76436
Type of gen. func.: ogf

$$-\frac{(x^2-x+1)(x^6-6x^5-6x^4-2x^3+42x^2+6x+1)}{(x-1)(x^2+x+1)(x^6-38x^3+1)}$$

Sequence: A174508
Score: 5.78899
Type of gen. func.: ogf

$$-\frac{(x^2 - x + 1)(x^6 - 8x^5 - 8x^4 - 2x^3 + 72x^2 + 8x + 1)}{(x - 1)(x^2 + x + 1)(x^6 - 66x^3 + 1)}$$

Sequence: A174509
Score: 4.88023
Type of gen. func.: ogf

$$-\frac{(x^2 - x + 1)(x^6 - 10x^5 - 10x^4 - 2x^3 + 110x^2 + 10x + 1)}{(x - 1)(x^2 + x + 1)(x^6 - 102x^3 + 1)}$$

Sequence: A174510
Score: 6.83164
Type of gen. func.: ogf

$$-\frac{(x^2 - x + 1)(x^6 - 2x^5 - 2x^4 - 2x^3 + 4x^2 + 2x + 1)}{(x - 1)(x^2 + x + 1)(x^6 - 4x^3 + 1)}$$

Sequence: A174515
Score: 12.3498
Type of gen. func.: lgdogf

$$-\frac{864x^2 - 306x + 25}{(6x - 1)(4x - 1)(9x - 1)}$$

Sequence: A174515
Score: 4.05074
Type of gen. func.: ogf

(2492605 f(x) + 1560384)

4 3 2

$$(1296 f(x) x - 900 f(x) x + 228 f(x) x - 25 f(x) x + f(x) - 1)$$

Sequence: A174515

Score: 9.73598

Type of gen. func.: ogf

$$\frac{1}{(9 x - 1) (4 x - 1) (6 x - 1)^2}$$

Sequence: A174522

Score: 20.3139

Type of gen. func.: ogf

$$\frac{1}{(x - 1) (x^5 + x^4 - 1)}$$

Sequence: A174522

Score: 23.3342

Type of gen. func.: lgdogf

$$- \frac{6 x^5 - 4 x^3 - 1}{(x - 1) (x^5 + x^4 - 1)}$$

Sequence: A174529

Score: 9.61949

Type of gen. func.: ogf

$$- \frac{3 x^5 + 25 x^4 - 22 x^3 - 8 x^2 - 5 x - 3}{(x - 1) (x^2 + x + 1) (5 x^3 - 1)}$$

Sequence: A174532

Score: 14.0159

Type of gen. func.: ogf

$$x^5$$

$$\frac{}{(x - 1) (x^5 - x - 1)}$$

Sequence: A174532
Score: 21.0239
Type of gen. func.: lgdogf

$$- \frac{x (6 x^4 - 5 x^3 - 2)}{(x - 1) (x^5 - x - 1)}$$

Sequence: A174542
Score: 16.3584
Type of gen. func.: lgdogf

$$- \frac{2 (x^7 - 2 x^6 + 3 x^5 + x^4 + 3 x^3 + 2 x^2 - 3 x - 1)}{(x - 1) (x^3 - x^2 + x + 1) (x^4 + 4 x^2 - 1)}$$

Sequence: A174542
Score: 9.13206
Type of gen. func.: ogf

$$\frac{x^3 - x^2 + x + 1}{(x - 1) (x^4 + 4 x^2 - 1)}$$

Sequence: A174549
Score: 6.59232
Type of gen. func.: ogf

$$\{(4 n^2 + 22 n + 28) a(n + 1) - a(n + 2), a(0) = 3, a(1) = 30\}$$

Sequence: A174562
Score: 12.2687
Type of gen. func.: ogf

3   2

$$\frac{x - 3 x - 3 x - 2}{x^{4} + x^{2} - 1}$$

Sequence: A174562
Score: 12.4124
Type of gen. func.: lgdogf

$$- \frac{x^{6} - 6 x^{5} - 10 x^{4} - 8 x^{3} - 10 x - 3}{(x^{3} - 3 x^{2} - 3 x - 2) (x^{4} + x^{2} - 1)}$$

Sequence: A174562
Score: 7.59493
Type of gen. func.: ogf

$$-(2 f(x) + 9) (f(x) x^{4} + f(x) x^{2} - x^{3} + 3 x^{2} - f(x) + 3 x + 2)$$

Sequence: A174565
Score: 14.3716
Type of gen. func.: ogf

$$- \frac{1 + 3 x}{(x - 1) (4 x^{2} + 3 x + 1)}$$

Sequence: A174565
Score: 16.3364
Type of gen. func.: lgdogf

$$- \frac{24 x^{3} + 9 x^{2} - 2 x + 1}{(x - 1) (1 + 3 x) (4 x^{2} + 3 x + 1)}$$

Sequence: A174565
Score: 6.80084
Type of gen. func.: ogf

$$\{-a(n + 3) - 2 a(n + 2) - a(n + 1) + 4 a(n), a(0) = 1, a(1) = 1, a(2) = -3\}$$

Sequence: A174565
Score: 7.11863
Type of gen. func.: ogf

$$-(f(x) - 1) (4 f(x) x^3 - f(x) x^2 - 2 f(x) x - f(x) + 3 x + 1)$$

Sequence: A174571
Score: 7.51129
Type of gen. func.: lgdogf

$$-\frac{8 x^9 + 3 x^8 + 16 x^7 - 5 x^6 - 2 x^4 - 16 x^3 - 3 x^2 - 8 x - 1}{(x - 1) (x + 1) (x^2 + 1) (4 x^6 + x^5 + 4 x^4 - x^3 - 4 x^2 - x - 4)}$$

Sequence: A174571
Score: 8.62342
Type of gen. func.: ogf

$$-\frac{x (4 x^6 + x^5 + 4 x^4 - x^3 - 4 x^2 - x - 4)}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A174577
Score: 11.5706
Type of gen. func.: lgdogf

$$-\frac{x (10 x^8 - 8 x^6 + 7 x^5 - 3 x - 2)}{(x - 1) (x + 1) (x^2 + 1) (x^6 - x^4 + x^3 + x^2 - 1)}$$

Sequence: A174577
Score: 14.1698
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (x + 1) (x^2 + 1) (x^6 - x^4 + x^3 + x^2 - 1)}$$

Sequence: A174578
Score: 13.6039
Type of gen. func.: ogf

$$- \frac{1}{x^{14} + x^{13} - x^{10} + x^{4} + x - 1}$$

Sequence: A174578
Score: 13.8074
Type of gen. func.: lgdogf

$$- \frac{14 x^{13} + 13 x^{12} - 10 x^{9} + 4 x^{3} + 1}{x^{14} + x^{13} - x^{10} + x^{4} + x - 1}$$

Sequence: A174592
Score: 4.28328
Type of gen. func.: ogf

$-(349444 f(x) - 12725)$

$$(f(x) x^{3} - 15 f(x) x^{2} + 15 f(x) x - 2 x^{2} - f(x) + 16 x + 2)$$

Sequence: A174592
Score: 4.64937
Type of gen. func.: ogf

{-a(n + 3) + 15 a(n + 2) - 15 a(n + 1) + a(n), a(0) = 2, a(1) = 46, a(2) = 658}

Sequence: A174592
Score: 8.49962
Type of gen. func.: ogf

$$\frac{2 (x^{2} - 8 x - 1)}{(x - 1) (x^{2} - 14 x + 1)}$$

Sequence: A174592
Score: 8.59102
Type of gen. func.: lgdogf

$$-\frac{x^4 - 16 x^3 + 102 x^2 + 32 x - 23}{(x - 1) (x^2 - 14 x + 1) (x^2 - 8 x - 1)}$$

Sequence: A174595
Score: 12.0789
Type of gen. func.: ogf

$$-\frac{x^2 (4 x + 1) (x^2 + 1)}{(x + 1)^3 (x - 1)^3}$$

Sequence: A174595
Score: 17.9660
Type of gen. func.: lgdogf

$$-\frac{4 (3 x^4 + x^3 + 8 x^2 + 2 x + 1)}{(x - 1) (4 x + 1) (x + 1) (x^2 + 1)}$$

Sequence: A174618
Score: 10.8838
Type of gen. func.: ogf

$$-\frac{x (x^3 - x^2 + 1)}{(x^4 - x^2 + 1) (x^4 + x^2 - 1)}$$

Sequence: A174618
Score: 8.64088
Type of gen. func.: lgdogf

$$-\frac{x (5 x^9 - 6 x^8 + 8 x^6 - x^5 + 2 x^4 - 2 x^3 - 4 x^2 + 3 x + 2)}{}$$

$$(x^4 + x^2 - 1) (x^3 - x^2 + 1) (x^4 - x^2 + 1)$$

Sequence: A174619
Score: 12.9003
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^3 - x^2 + 1)}{(x^4 - x^2 + 1) (x^4 + x^2 - 1)}$$

Sequence: A174634
Score: 13.1884
Type of gen. func.: revogf

$$\frac{-1 - 3 x + ((1 + 3 x) (1 + 15 x))^{1/2}}{6 (1 + 3 x)}$$

Sequence: A174634
Score: 15.6179
Type of gen. func.: lgdogf

$$-\frac{3 (9 x^2 + 6 x + 2)}{(1 + 3 x) (9 x^2 + 3 x - 1)}$$

Sequence: A174634
Score: 16.2434
Type of gen. func.: ogf

$$-\frac{1 + 3 x}{9 x^2 + 3 x - 1}$$

Sequence: A174634
Score: 8.12169
Type of gen. func.: ogf

2

$$-(13 f(x) + 3) (9 f(x) x + 3 f(x) x - f(x) + 3 x + 1)$$

Sequence: A174634
Score: 8.91405
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) - 9 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A174642
Score: 19.2572
Type of gen. func.: lgdogf

$$- \frac{2 x^{3} + 3 x^{2} + 5}{(x - 1) (x + 1) (x^{2} - x + 1)}$$

Sequence: A174642
Score: 9.02487
Type of gen. func.: ogf

$$- \frac{12 x^{7} (x + 1) (x^{2} - x + 1)}{(x - 1)^{5}}$$

Sequence: A174644
Score: 4.45225
Type of gen. func.: ogf

$$\frac{4 x^{7} (x^{9} + x^{8} + 7 x^{7} - 6 x^{6} + 5 x^{5} + 10 x^{4} + x^{3} + 6 x^{2} + 4 x + 1)}{(x - 1)^{6}}$$

Sequence: A174647
Score: 10.4349
Type of gen. func.: lgdogf

$$- \frac{64 x^{3} (2 x^{2} + 2 x - 1)}{{}^{2} \qquad {}^{3} \quad {}^{2}}$$

```
(2 x + 1) (4 x  - 2 x + 1) (8 x  + 4 x  - 2 x + 1)
```

Sequence: A174647
Score: 6.75730
Type of gen. func.: ogf

$$-\frac{4\,(8x^{3}+4x^{2}-2x+1)}{(2x+1)\,(4x^{2}-2x+1)^{2}}$$

Sequence: A174650
Score: 8.99797
Type of gen. func.: ogf

$$\frac{1}{(x-1)\,(x+1)\,(x^{18}+x^{17}+x^{13}+x^{11}+x^{9}+x^{7}+x^{5}+x-1)}$$

Sequence: A174654
Score: 3.62923
Type of gen. func.: ogf

$$\frac{(x+1)\,(x^{3}-4x^{2}+2x-1)\,(x-1)^{2}}{(x^{3}-2x^{2}+4x-1)^{3}}$$

Sequence: A174655
Score: 10.0019
Type of gen. func.: lgdogf

$$-\frac{2x^{5}+8x^{4}+11x^{3}+23x^{2}+15x+5}{(x-1)\,(x+1)\,(x^{5}-x^{4}+3x^{3}+2x^{2}+2x+1)}$$

Sequence: A174655
Score: 7.57421
Type of gen. func.: ogf

```
    5    4      3      2
```

$$\frac{x - x + 3 x + 2 x + 2 x + 1}{(x + 1) (x - 1)^{4}}$$

Sequence: A174679
Score: 5.53481
Type of gen. func.: ogf

$$- \frac{x (9 x^{10} + 4 x^{9} + 25 x^{8} + x^{7} + 22 x^{6} + 4 x^{5} + 6 x^{4} + x^{3} + x^{2} + 1)}{(x - 1)^{3} (x + 1)^{3} (x^{2} + 1)^{3}}$$

Sequence: A174685
Score: 5.76699
Type of gen. func.: ogf

$$\frac{x (x^{3} + 435 x^{2} - 169 x - 75)}{(x - 1) (x^{2} - 34 x + 1) (x^{2} + 34 x + 1)}$$

Sequence: A174686
Score: 3.99522
Type of gen. func.: ogf

$$\frac{60 (2 x^{6} + 61 x^{5} + 368 x^{4} + 650 x^{3} + 368 x^{2} + 61 x + 2)}{(x - 1)^{10}}$$

Sequence: A174687
Score: 3.77608
Type of gen. func.: ogf

$$\{(-81 n^{2} - 243 n - 180) a(n + 1) + (39 n^{2} + 204 n + 264) a(n + 2)$$

$$+ (-4 n^{2} - 26 n - 42) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 9\}$$

Sequence: A174687
Score: 8.56525

Type of gen. func.: ogf

$$27 f(x)^3 x^2 - 4 f(x)^3 x - 6 f(x) x + f(x) + 8 x - 1$$

Sequence: A174709
Score: 10.1961
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^5 + x^4 + x^3 + x^2 + x + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A174709
Score: 10.4159
Type of gen. func.: ogf

$$- \frac{x^6}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^3}$$

Sequence: A174723
Score: 11.1407
Type of gen. func.: ogf

$$\frac{2 x^2 + x + 1}{(x - 1)^4}$$

Sequence: A174723
Score: 23.5580
Type of gen. func.: lgdogf

$$- \frac{4 x^2 + 7 x + 5}{(x - 1) (2 x^2 + x + 1)}$$

Sequence: A174723

Score: 4.22368
Type of gen. func.: ogf

$$\{(-n-4)\,a(n+4)+5\,a(n+3)+(5-n)\,a(n+2)+(6+2n)\,a(n+1),$$
$$a(0)=1,\ a(1)=5,\ a(2)=16,\ a(3)=38\}$$

Sequence: A174723
Score: 5.53028
Type of gen. func.: ogf

$$(165120\,f(x)+245851)$$
$$(f(x)\,x^4-4\,f(x)\,x^3+6\,f(x)\,x^2-4\,f(x)\,x-2\,x^2+f(x)-x-1)$$

Sequence: A174724
Score: 13.3444
Type of gen. func.: ogf

$$-\frac{x^9+x^2+x-4}{(x-1)^2}$$

Sequence: A174724
Score: 20.4438
Type of gen. func.: lgdogf

$$\frac{7\,x^9-9\,x^8-3\,x+7}{(x-1)\,(x^9+x^2+x-4)}$$

Sequence: A174737
Score: 10.655
Type of gen. func.: ogf

$$f(x)\,x^2-f(x)\,x+f(x)+3\,x-2$$

Sequence: A174737
Score: 14.9170
Type of gen. func.: ogf

$$-\frac{3 x - 2}{x^2 - x + 1}$$

Sequence: A174737
Score: 22.2389
Type of gen. func.: revogf

$$-\frac{-x - 2 + (-3 x^2 - 8 x + 4)^{1/2}}{2 (x + 3)}$$

Sequence: A174737
Score: 24.9345
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 4 x - 1}{(3 x - 2) (x^2 - x + 1)}$$

Sequence: A174737
Score: 8.18613
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) - a(n), a(0) = 2, a(1) = -1\}$$

Sequence: A174738
Score: 10.8851
Type of gen. func.: lgdogf

$$-\frac{9 x^6 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{(x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A174738
Score: 13.3423
Type of gen. func.: ogf

$$-\frac{x^7}{(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^3}$$

Sequence: A174745
Score: 11.0293
Type of gen. func.: ogf

$$\frac{12x}{x^2-110x+1}$$

Sequence: A174745
Score: 18.0615
Type of gen. func.: lgdogf

$$-\frac{2(-55+x)}{x^2-110x+1}$$

Sequence: A174745
Score: 5.25204
Type of gen. func.: ogf

$$\{a(n+2)-110a(n+1)+a(n), a(0)=0, a(1)=12\}$$

Sequence: A174745
Score: 7.11567
Type of gen. func.: ogf

$$-f(x)x^2+110f(x)x-f(x)+12x$$

Sequence: A174745
Score: 8.49954
Type of gen. func.: revogf

$$-\frac{-55x-6+2(28x+3)^{1/2}(9x+1)^{1/2}3^{1/2}}{x}$$

Sequence: A174746
Score: 3.74439
Type of gen. func.: ogf

$$-(2310399 f(x) - 1155199) (f(x) x^2 - 3040 f(x) x + f(x) + 1520 x - 1)$$

Sequence: A174746
Score: 8.89637
Type of gen. func.: lgdogf

$$-\frac{2 (760 x^2 - x + 760)}{(1520 x - 1) (x^2 - 3040 x + 1)}$$

Sequence: A174747
Score: 10.0995
Type of gen. func.: ogf

$$-\frac{73 x - 1}{x^2 - 146 x + 1}$$

Sequence: A174747
Score: 12.1671
Type of gen. func.: lgdogf

$$-\frac{73 x^2 - 2 x + 73}{(73 x - 1) (x^2 - 146 x + 1)}$$

Sequence: A174747
Score: 4.89672
Type of gen. func.: ogf

$$-(10656 f(x) - 5327) (f(x) x^2 - 146 f(x) x + f(x) + 73 x - 1)$$

Sequence: A174747
Score: 5.70325
Type of gen. func.: ogf

$$\{a(n + 2) - 146 a(n + 1) + a(n), a(0) = 1, a(1) = 73\}$$

Sequence: A174748
Score: 12.9986
Type of gen. func.: revogf

$$-\frac{-1 - 46 x + (2112 x^2 + 1)^{1/2}}{2 (23 + x)}$$

Sequence: A174748
Score: 13.0961
Type of gen. func.: ogf

$$-\frac{23 x - 1}{x^2 - 46 x + 1}$$

Sequence: A174748
Score: 13.6828
Type of gen. func.: lgdogf

$$-\frac{23 x^2 - 2 x + 23}{(23 x - 1) (x^2 - 46 x + 1)}$$

Sequence: A174748
Score: 6.41161
Type of gen. func.: ogf

$$-(1056 f(x) - 527) (f(x) x^2 - 46 f(x) x + f(x) + 23 x - 1)$$

Sequence: A174748
Score: 7.32756
Type of gen. func.: ogf

$$\{a(n+2) - 46\, a(n+1) + a(n),\ a(0) = 1,\ a(1) = 23\}$$

Sequence: A174749
Score: 10.5562
Type of gen. func.: ogf

$$-\frac{35 x - 1}{x^2 - 70 x + 1}$$

Sequence: A174749
Score: 5.11487
Type of gen. func.: ogf

$$-(2448 f(x) - 1223) (f(x) x^2 - 70 f(x) x + f(x) + 35 x - 1)$$

Sequence: A174749
Score: 5.90646
Type of gen. func.: ogf

$$\{a(n+2) - 70\, a(n+1) + a(n),\ a(0) = 1,\ a(1) = 35\}$$

Sequence: A174750
Score: 10.7247
Type of gen. func.: ogf

$$-\frac{37 x - 1}{x^2 - 74 x + 1}$$

Sequence: A174750
Score: 12.9870
Type of gen. func.: lgdogf

$$-\frac{37 x^2 - 2 x + 37}{(37 x - 1) (x^2 - 74 x + 1)}$$

Sequence: A174750
Score: 5.19649
Type of gen. func.: ogf

$$-(2736 f(x) - 1367) (f(x) x^2 - 74 f(x) x + f(x) + 37 x - 1)$$

Sequence: A174750
Score: 6.00071
Type of gen. func.: ogf

$$\{a(n + 2) - 74 a(n + 1) + a(n), a(0) = 1, a(1) = 37\}$$

Sequence: A174751
Score: 11.5236
Type of gen. func.: ogf

$$-\frac{25 x - 1}{x^2 - 50 x + 1}$$

Sequence: A174751
Score: 13.2694
Type of gen. func.: revogf

$$-\frac{-1 - 50 x + (2496 x^2 + 1)^{1/2}}{2 (25 + x)}$$

Sequence: A174751
Score: 13.9678
Type of gen. func.: lgdogf

$$-\frac{25 x^2 - 2 x + 25}{(25 x - 1) (x^2 - 50 x + 1)}$$

Sequence: A174751
Score: 5.64177
Type of gen. func.: ogf

$$-(1248 f(x) - 623) (f(x) x^2 - 50 f(x) x + f(x) + 25 x - 1)$$

Sequence: A174751
Score: 6.44774
Type of gen. func.: ogf

$$\{a(n + 2) - 50 a(n + 1) + a(n), a(0) = 1, a(1) = 25\}$$

Sequence: A174752
Score: 3.83047
Type of gen. func.: ogf

$$-(8396800 f(x) - 4198399) (f(x) x^2 - 4098 f(x) x + f(x) + 2049 x - 1)$$

Sequence: A174752
Score: 8.70980
Type of gen. func.: lgdogf

$$- \frac{2049 x^2 - 2 x + 2049}{(2049 x - 1) (x^2 - 4098 x + 1)}$$

Sequence: A174753
Score: 3.11273
Type of gen. func.: ogf

$$-(12124323 f(x) - 6062161) (f(x) x^2 - 6964 f(x) x + f(x) + 3482 x - 1)$$

Sequence: A174753
Score: 7.11708
Type of gen. func.: lgdogf

$$- \frac{2 (1741 x^2 - x + 1741)}{(3482 x - 1) (x^2 - 6964 x + 1)}$$

Sequence: A174755
Score: 11.4073
Type of gen. func.: lgdogf

$$-\frac{2\,(24\,x^{2} - x + 24)}{(48\,x - 1)\,(x^{2} - 96\,x + 1)}$$

Sequence: A174755
Score: 4.5746
Type of gen. func.: ogf

$$-(2303\,f(x) - 1151)\,(f(x)\,x^{2} - 96\,f(x)\,x + f(x) + 48\,x - 1)$$

Sequence: A174755
Score: 5.28257
Type of gen. func.: ogf

$$\{a(n + 2) - 96\,a(n + 1) + a(n),\ a(0) = 1,\ a(1) = 48\}$$

Sequence: A174755
Score: 9.44119
Type of gen. func.: ogf

$$-\frac{48\,x - 1}{x^{2} - 96\,x + 1}$$

Sequence: A174756
Score: 11.1148
Type of gen. func.: lgdogf

$$-\frac{2\,(25\,x^{2} - x + 25)}{(50\,x - 1)\,(x^{2} - 100\,x + 1)}$$

Sequence: A174756

Score: 4.52792
Type of gen. func.: ogf

$$-(2499 f(x) - 1249) (f(x) x^2 - 100 f(x) x + f(x) + 50 x - 1)$$

Sequence: A174756
Score: 5.22042
Type of gen. func.: ogf

$$\{a(n + 2) - 100 a(n + 1) + a(n), a(0) = 1, a(1) = 50\}$$

Sequence: A174756
Score: 9.24450
Type of gen. func.: ogf

$$-\frac{50 x - 1}{x^2 - 100 x + 1}$$

Sequence: A174757
Score: 5.89175
Type of gen. func.: revogf

$$-\frac{-1 - 132498 x + (17555720000 x^2 + 1)^{1/2}}{2 (66249 + x)}$$

Sequence: A174758
Score: 10.3219
Type of gen. func.: lgdogf

$$-\frac{89 x^2 - 2 x + 89}{(89 x - 1) (x^2 - 178 x + 1)}$$

Sequence: A174758
Score: 4.16661
Type of gen. func.: ogf

2

$$-(15840 f(x) - 7919) (f(x) x - 178 f(x) x + f(x) + 89 x - 1)$$

Sequence: A174758
Score: 4.85288
Type of gen. func.: ogf

$$\{a(n + 2) - 178 a(n + 1) + a(n), a(0) = 1, a(1) = 89\}$$

Sequence: A174758
Score: 8.59365
Type of gen. func.: ogf

$$-\frac{89 x - 1}{x^{2} - 178 x + 1}$$

Sequence: A174759
Score: 10.5904
Type of gen. func.: lgdogf

$$-\frac{151 x^{2} - 2 x + 151}{(151 x - 1) (x^{2} - 302 x + 1)}$$

Sequence: A174759
Score: 4.50236
Type of gen. func.: ogf

$$-(45600 f(x) - 22799) (f(x) x^{2} - 302 f(x) x + f(x) + 151 x - 1)$$

Sequence: A174759
Score: 5.28766
Type of gen. func.: ogf

$$\{a(n + 2) - 302 a(n + 1) + a(n), a(0) = 1, a(1) = 151\}$$

Sequence: A174759
Score: 9.28039

Type of gen. func.: ogf

$$-\frac{151 x - 1}{x^2 - 302 x + 1}$$

Sequence: A174761
Score: 4.1502
Type of gen. func.: ogf

$$-(280899 f(x) - 140449) (f(x) x^2 - 1060 f(x) x + f(x) + 530 x - 1)$$

Sequence: A174761
Score: 4.96117
Type of gen. func.: ogf

$$\{a(n + 2) - 1060 a(n + 1) + a(n), a(0) = 1, a(1) = 530\}$$

Sequence: A174761
Score: 8.63244
Type of gen. func.: ogf

$$-\frac{530 x - 1}{x^2 - 1060 x + 1}$$

Sequence: A174761
Score: 9.17457
Type of gen. func.: revogf

$$-\frac{-1 - 1060 x + (1123596 x^2 + 1)^{1/2}}{2 (x + 530)}$$

Sequence: A174763
Score: 11.7067
Type of gen. func.: lgdogf

$$-\frac{63 x^2 - 2 x + 63}{}$$

$$(63 x - 1) (x^2 - 126 x + 1)$$

Sequence: A174763
Score: 4.76348
Type of gen. func.: ogf

$$-(7936 f(x) - 3967) (f(x) x^2 - 126 f(x) x + f(x) + 63 x - 1)$$

Sequence: A174763
Score: 5.49201
Type of gen. func.: ogf

$$\{a(n + 2) - 126 a(n + 1) + a(n), a(0) = 1, a(1) = 63\}$$

Sequence: A174763
Score: 9.72544
Type of gen. func.: ogf

$$-\frac{63 x - 1}{x^2 - 126 x + 1}$$

Sequence: A174765
Score: 10.9957
Type of gen. func.: ogf

$$\frac{39 x}{x^2 - 340 x + 1}$$

Sequence: A174765
Score: 17.2950
Type of gen. func.: lgdogf

$$-\frac{2 (-170 + x)}{x^2 - 340 x + 1}$$

Sequence: A174765
Score: 5.23606
Type of gen. func.: ogf

$$\{a(n+2) - 340\,a(n+1) + a(n),\ a(0) = 0,\ a(1) = 39\}$$

Sequence: A174765
Score: 6.45335
Type of gen. func.: revogf

$$-\frac{-39 - 340\,x + (114\,x + 13)^{1/2}\,(26\,x + 3)^{1/2}\,3^{1/2}\,13^{1/2}}{2\,x}$$

Sequence: A174765
Score: 7.09401
Type of gen. func.: ogf

$$-f(x)\,x^2 + 340\,f(x)\,x - f(x) + 39\,x$$

Sequence: A174766
Score: 11.2442
Type of gen. func.: ogf

$$\frac{42\,x}{x^2 - 394\,x + 1}$$

Sequence: A174766
Score: 17.6926
Type of gen. func.: lgdogf

$$-\frac{2\,(-197 + x)}{x^2 - 394\,x + 1}$$

Sequence: A174766
Score: 5.35439
Type of gen. func.: ogf

$$\{a(n+2) - 394\, a(n+1) + a(n),\ a(0) = 0,\ a(1) = 42\}$$

Sequence: A174766
Score: 7.25432
Type of gen. func.: ogf

$$-f(x)\, x^{2} + 394\, f(x)\, x - f(x) + 42\, x$$

Sequence: A174766
Score: 7.37190
Type of gen. func.: revogf

$$-\frac{-21 - 197\, x + (28\, x + 3)^{1/2}\, (66\, x + 7)^{1/2}\, 3^{1/2}\, 7^{1/2}}{x}$$

Sequence: A174767
Score: 13.3977
Type of gen. func.: ogf

$$\frac{5\, x}{x^{2} - 48\, x + 1}$$

Sequence: A174767
Score: 21.7821
Type of gen. func.: lgdogf

$$-\frac{2\, (-24 + x)}{x^{2} - 48\, x + 1}$$

Sequence: A174767
Score: 6.20870
Type of gen. func.: ogf

$$\{a(n+2) - 48\, a(n+1) + a(n),\ a(0) = 0,\ a(1) = 5\}$$

Sequence: A174767
Score: 8.48522
Type of gen. func.: ogf

$$-f(x) x^2 + 48 f(x) x - f(x) + 5 x$$

Sequence: A174767
Score: 9.27758
Type of gen. func.: revogf

$$-\frac{-48 x - 5 + (46 x + 5)^{1/2} (10 x + 1)^{1/2} 5^{1/2}}{2 x}$$

Sequence: A174768
Score: 11.5823
Type of gen. func.: ogf

$$-f(x) x^2 + 102 f(x) x - f(x) + 10 x$$

Sequence: A174768
Score: 17.9525
Type of gen. func.: ogf

$$\frac{10 x}{x^2 - 102 x + 1}$$

Sequence: A174768
Score: 8.54882
Type of gen. func.: ogf

$$\{a(n + 2) - 102 a(n + 1) + a(n), a(0) = 0, a(1) = 10\}$$

Sequence: A174769
Score: 3.34532
Type of gen. func.: ogf

$$-(192119200 f(x) - 96059599) (f(x) x^2 - 19602 f(x) x + f(x) + 9801 x - 1)$$

Sequence: A174769
Score: 7.71364
Type of gen. func.: lgdogf

$$-\frac{9801 x^2 - 2 x + 9801}{(9801 x - 1) (x^2 - 19602 x + 1)}$$

Sequence: A174770
Score: 12.5555
Type of gen. func.: lgdogf

$$-\frac{2 (-9801 + x)}{x^2 - 19602 x + 1}$$

Sequence: A174770
Score: 5.02222
Type of gen. func.: revogf

$$-\frac{-9801 x - 910 + 2 (377 x + 35)^{1/2} (140 x + 13)^{1/2} 35^{1/2} 13^{1/2}}{x}$$

Sequence: A174770
Score: 5.42648
Type of gen. func.: ogf

$$-f(x) x^2 + 19602 f(x) x - f(x) + 1820 x$$

Sequence: A174771
Score: 13.7303
Type of gen. func.: lgdogf

$$-\frac{2 (-1520 + x)}{x^2 - 3040 x + 1}$$

Sequence: A174771
Score: 5.37271
Type of gen. func.: revogf

$$-\frac{-273 - 3040\,x + (434\,x + 39)^{1/2}\,(78\,x + 7)^{1/2}\,39^{1/2}\,7^{1/2}}{2\,x}$$

Sequence: A174771
Score: 5.90037
Type of gen. func.: ogf

$$-f(x)\,x^2 + 3040\,f(x)\,x - f(x) + 273\,x$$

Sequence: A174772
Score: 11.144
Type of gen. func.: ogf

$$-f(x)\,x^2 + 46\,f(x)\,x - f(x) + 4\,x$$

Sequence: A174772
Score: 12.9808
Type of gen. func.: revogf

$$-\frac{-2 - 23\,x + 2\,(12\,x + 1)^{1/2}\,(1 + 11\,x)^{1/2}}{x}$$

Sequence: A174772
Score: 17.5957
Type of gen. func.: ogf

$$\frac{4\,x}{x^2 - 46\,x + 1}$$

Sequence: A174772
Score: 24.8328
Type of gen. func.: lgdogf

$$-\frac{2\,(-23 + x)}{x^2 - 46\,x + 1}$$

Sequence: A174772
Score: 8.15412
Type of gen. func.: ogf

$$\{a(n + 2) - 46\,a(n + 1) + a(n),\ a(0) = 0,\ a(1) = 4\}$$

Sequence: A174773
Score: 12.3619
Type of gen. func.: ogf

$$\frac{6\,x}{x^2 - 70\,x + 1}$$

Sequence: A174773
Score: 20.0798
Type of gen. func.: lgdogf

$$-\frac{2\,(-35 + x)}{x^2 - 70\,x + 1}$$

Sequence: A174773
Score: 5.72870
Type of gen. func.: ogf

$$\{a(n + 2) - 70\,a(n + 1) + a(n),\ a(0) = 0,\ a(1) = 6\}$$

Sequence: A174773
Score: 7.8292
Type of gen. func.: ogf

$$-f(x)\,x^2 + 70\,f(x)\,x - f(x) + 6\,x$$

Sequence: A174773
Score: 9.23671
Type of gen. func.: revogf

$$-\frac{-3 - 35 x + (12 x + 1)^{1/2} (34 x + 3)^{1/2} 3^{1/2}}{x}$$

Sequence: A174775
Score: 11.4140
Type of gen. func.: ogf

$$\frac{12 x}{x^2 - 146 x + 1}$$

Sequence: A174775
Score: 19.5159
Type of gen. func.: lgdogf

$$-\frac{2 (x - 73)}{x^2 - 146 x + 1}$$

Sequence: A174775
Score: 5.43525
Type of gen. func.: ogf

$$\{a(n + 2) - 146 a(n + 1) + a(n), a(0) = 0, a(1) = 12\}$$

Sequence: A174775
Score: 7.36389
Type of gen. func.: ogf

$$-f(x) x^2 + 146 f(x) x - f(x) + 12 x$$

Sequence: A174775
Score: 8.63204
Type of gen. func.: revogf

$$-\frac{-73 x - 6 + 2 (12 x + 1)^{1/2} (37 x + 3)^{1/2} 3^{1/2}}{x}$$

Sequence: A174776
Score: 11.3246
Type of gen. func.: revogf

$$-\frac{-2 - 25 x + 2 (12 x + 1)^{1/2} (1 + 13 x)^{1/2}}{x}$$

Sequence: A174776
Score: 13.3264
Type of gen. func.: ogf

$$\frac{4 x}{x^2 - 50 x + 1}$$

Sequence: A174776
Score: 6.17567
Type of gen. func.: ogf

$$\{a(n + 2) - 50 a(n + 1) + a(n), a(0) = 0, a(1) = 4\}$$

Sequence: A174776
Score: 8.44009
Type of gen. func.: ogf

$$-f(x) x^2 + 50 f(x) x - f(x) + 4 x$$

Sequence: A174777
Score: 12.4314
Type of gen. func.: ogf

$$\frac{6 x}{x^2 - 74 x + 1}$$

Sequence: A174777
Score: 5.76088
Type of gen. func.: ogf

$$\{a(n+2) - 74\, a(n+1) + a(n),\ a(0) = 0,\ a(1) = 6\}$$

Sequence: A174777
Score: 7.87319
Type of gen. func.: ogf

$$-f(x)\, x^2 + 74\, f(x)\, x - f(x) + 6\, x$$

Sequence: A174777
Score: 9.28949
Type of gen. func.: revogf

$$-\frac{-37\, x - 3 + (12\, x + 1)^{1/2}\, (38\, x + 3)^{1/2}\, 3^{1/2}}{x}$$

Sequence: A174778
Score: 14.2419
Type of gen. func.: lgdogf

$$-\frac{2\, (-2049 + x)}{x^2 - 4098\, x + 1}$$

Sequence: A174778
Score: 6.11624
Type of gen. func.: ogf

$$-f(x)\, x^2 + 4098\, f(x)\, x - f(x) + 320\, x$$

Sequence: A174778
Score: 6.62987
Type of gen. func.: revogf

$$-\frac{-160 - 2049 x + 8 (205 x + 16)^{1/2} (64 x + 5)^{1/2} 5^{1/2}}{x}$$

Sequence: A174779
Score: 13.4915
Type of gen. func.: revogf

$$-\frac{-1 - 13 x + (12 x + 1)^{1/2} (1 + 14 x)^{1/2}}{x}$$

Sequence: A174779
Score: 15.1353
Type of gen. func.: ogf

$$\frac{2 x}{x^2 - 26 x + 1}$$

Sequence: A174779
Score: 24.6366
Type of gen. func.: lgdogf

$$-\frac{2 (-13 + x)}{x^2 - 26 x + 1}$$

Sequence: A174779
Score: 7.01393
Type of gen. func.: ogf

$$\{a(n + 2) - 26 a(n + 1) + a(n), a(0) = 0, a(1) = 2\}$$

Sequence: A174779
Score: 9.5857
Type of gen. func.: ogf

$$-f(x) x^2 + 26 f(x) x - f(x) + 2 x$$

Sequence: A174780
Score: 12.5033
Type of gen. func.: ogf

$$\frac{531 x}{x^2 - 6964 x + 1}$$

Sequence: A174780
Score: 19.1832
Type of gen. func.: lgdogf

$$-\frac{2 (-3482 + x)}{x^2 - 6964 x + 1}$$

Sequence: A174780
Score: 6.10628
Type of gen. func.: ogf

$$\{a(n + 2) - 6964 a(n + 1) + a(n), a(0) = 0, a(1) = 531\}$$

Sequence: A174780
Score: 8.09291
Type of gen. func.: revogf

$$-\frac{-6964 x - 531 + 3 (118 x + 9)^{1/2} (774 x + 59)^{1/2} 59^{1/2}}{2 x}$$

Sequence: A174780
Score: 8.2053
Type of gen. func.: ogf

$$-f(x) x^2 + 6964 f(x) x - f(x) + 531 x$$

Sequence: A174781
Score: 4.47807

Type of gen. func.: ogf

$$\frac{20 x^{16} + 12 x^{12} + 4 x^{11} + 2 x^{10} + x^{9} + x^{8} + 2 x^{4} + 4 x^{3} + 2 x^{2} + x + 1}{(x + 1) (x^{2} + 1) (x^{8} + 1) (x - 1)^{2}}$$

Sequence: A174784
Score: 11.3881
Type of gen. func.: ogf

$$\frac{x (x^{4} + x^{3} - x + 1)}{(x^{2} + 1) (x^{4} - x^{2} + 1)}$$

Sequence: A174784
Score: 11.5522
Type of gen. func.: lgdogf

$$- \frac{(x - 1) (2 x^{8} + 5 x^{7} + 5 x^{6} + 6 x^{4} + 6 x^{3} + 2 x^{2} - x - 1)}{(x^{4} + x^{3} - x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1)}$$

Sequence: A174785
Score: 5.77640
Type of gen. func.: ogf

$$- \frac{x^{5} + x^{4} - x^{3} + x^{2} - 2 x - 1}{(x + 1)^{2} (x^{2} - x + 1)^{2}}$$

Sequence: A174785
Score: 6.79576
Type of gen. func.: lgdogf

$$- \frac{x^{7} + 2 x^{6} - 3 x^{5} - x^{4} - 14 x^{3} - 3 x^{2} - 2 x + 2}{(x + 1) (x^{2} - x + 1) (x^{5} + x^{4} - x^{3} + x^{2} - 2 x - 1)}$$

Sequence: A174792
Score: 10.3501
Type of gen. func.: ogf

$$-\frac{x (x - 1) (x + 1)}{x^3 + 7 x^2 - x + 1}$$

Sequence: A174792
Score: 12.9774
Type of gen. func.: lgdogf

$$-\frac{x^4 - 2 x^2 - 16 x + 1}{(x - 1) (x + 1) (x^3 + 7 x^2 - x + 1)}$$

Sequence: A174792
Score: 4.50347
Type of gen. func.: ogf

$\{a(n + 4) - a(n + 3) + 7 a(n + 2) + a(n + 1), a(0) = 0, a(1) = 1, a(2) = 1,$

$a(3) = -7\}$

Sequence: A174792
Score: 7.52386
Type of gen. func.: ogf

$$f(x) (f(x) x^3 + 7 f(x) x^2 + x^3 - f(x) x + f(x) - x)$$

Sequence: A174794
Score: 17.6179
Type of gen. func.: lgdogf

$$-\frac{3 x^3 + 15 x^2 + 9 x + 5}{(x - 1) (x + 1) (3 x^2 + 1)}$$

Sequence: A174794
Score: 6.21491
Type of gen. func.: ogf

$$-f(x)$$

$$(f(x) x^4 - 4 f(x) x^3 - 3 x^4 + 6 f(x) x^2 - 3 x^3 - 4 f(x) x - x^2 + f(x) - x)$$

Sequence: A174794
Score: 9.49023
Type of gen. func.: ogf

$$\frac{x (x + 1) (3 x^2 + 1)}{(x - 1)^4}$$

Sequence: A174808
Score: 12.7673
Type of gen. func.: revogf

$$\frac{-1 - x - x^2 + (x^4 - 2 x^3 + 7 x^2 + 2 x + 1)^{1/2}}{2 x}$$

Sequence: A174808
Score: 6.31223
Type of gen. func.: ogf

$$f(x)^2 x^2 + f(x)^2 x + f(x) x^2 + f(x) x - f(x) + 1$$

Sequence: A174810
Score: 11.6703
Type of gen. func.: revogf

$$- \frac{-1 + x - 2 x^2 + (4 x^4 + 4 x^3 + x^2 - 2 x + 1)^{1/2}}{2 x}$$

Sequence: A174810
Score: 6.14955

Type of gen. func.: ogf

$$2 f(x)^2 x^2 + 2 f(x)^2 x - f(x) x^2 - f(x) x - f(x) + 1$$

Sequence: A174814
Score: 12.3976
Type of gen. func.: ogf

$$\frac{2 x (3 x + 2)}{(x - 1)^4}$$

Sequence: A174814
Score: 34.5523
Type of gen. func.: lgdogf

$$- \frac{11 + 9 x}{(3 x + 2) (x - 1)}$$

Sequence: A174814
Score: 5.33672
Type of gen. func.: ogf

$\{(4 + 2 n) a(n + 3) + (-10 + n) a(n + 2) + (-3 n - 9) a(n + 1), a(0) = 0,$

$a(1) = 4, a(2) = 22\}$

Sequence: A174814
Score: 5.79745
Type of gen. func.: ogf

$-(117875 f(x) + 477459)$

$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 6 x^2 + f(x) - 4 x)$

Sequence: A174836
Score: 5.01703
Type of gen. func.: lgdogf

$$2 (2 x^5 - 5 x^4 + 2 x^3 - 7 x^2 + 4 x + 2)$$

$$- \frac{\quad}{(x - 1) (2 x - 1) (x + 1) (2 x^3 - 3 x^2 - 1)}$$

Sequence: A174836
Score: 5.04640
Type of gen. func.: ogf

$$\frac{2 x^3 - 3 x^2 - 1}{(x - 1) (x + 1) (2 x - 1)^2}$$

Sequence: A174836
Score: 6.07759
Type of gen. func.: ogf

$$(556 f(x) - 1033)$$

$$(4 f(x) x^4 - 4 f(x) x^3 - 3 f(x) x^2 - 2 x^3 + 4 f(x) x + 3 x^2 - f(x) + 1)$$

Sequence: A174850
Score: 4.84485
Type of gen. func.: ogf

$$- 5 x (9 x^{10} + 7 x^9 + 57 x^8 + 6 x^7 + 118 x^6 + 30 x^5 + 102 x^4 + 4 x^3 + 33 x^2 + 3 x + 1) / ((x - 1)^3 (x + 1)^3 (x^2 + 1)^3)$$

Sequence: A174851
Score: 5.82597
Type of gen. func.: ogf

$$-f(x) x^2 + 48670 f(x) x - f(x) + 3588 x$$

Sequence: A174853
Score: 10.7998
Type of gen. func.: ogf

$$7 x$$

$$\frac{}{x^{2} - 96 x + 1}$$

Sequence: A174853
Score: 17.5086
Type of gen. func.: lgdogf

$$-\frac{2 (-48 + x)}{x^{2} - 96 x + 1}$$

Sequence: A174853
Score: 5.00478
Type of gen. func.: ogf

$$\{a(n + 2) - 96 a(n + 1) + a(n), a(0) = 0, a(1) = 7\}$$

Sequence: A174853
Score: 6.83987
Type of gen. func.: ogf

$$-f(x) x^{2} + 96 f(x) x - f(x) + 7 x$$

Sequence: A174853
Score: 7.45735
Type of gen. func.: revogf

$$-\frac{-96 x - 7 + (94 x + 7)^{1/2} (1 + 14 x)^{1/2} 7^{1/2}}{2 x}$$

Sequence: A174855
Score: 10.5229
Type of gen. func.: ogf

$$\frac{7 x}{x^{2} - 100 x + 1}$$

Sequence: A174855
Score: 16.7790
Type of gen. func.: lgdogf

$$-\frac{2(-50+x)}{x^2-100x+1}$$

Sequence: A174855
Score: 4.94448
Type of gen. func.: ogf

$$\{a(n+2)-100a(n+1)+a(n), a(0)=0, a(1)=7\}$$

Sequence: A174855
Score: 6.72774
Type of gen. func.: ogf

$$-f(x)x^2+100f(x)x-f(x)+7x$$

Sequence: A174855
Score: 7.19102
Type of gen. func.: revogf

$$-\frac{-100x-7+(102x+7)^{1/2}(1+14x)^{1/2}7^{1/2}}{2x}$$

Sequence: A174871
Score: 9.24528
Type of gen. func.: ogf

$$\frac{4x^6+4x^5+x^4+3x^3+x^2+4x+3}{(x+1)(x^2+x+1)(x^2-x+1)(x-1)^2}$$

Sequence: A174882
Score: 10.3795
Type of gen. func.: ogf

$$-\frac{(2x-1)(4x^2+3x+1)}{16x^4+1}$$

Sequence: A174882
Score: 6.68902
Type of gen. func.: ogf

$$-(40 f(x) - 21)(16 f(x) x^4 + 8x^3 + 2x^2 + f(x) - x - 1)$$

Sequence: A174882
Score: 8.34840
Type of gen. func.: lgdogf

$$-\frac{128x^6 + 64x^5 - 48x^4 - 64x^3 - 24x^2 - 4x + 1}{(2x-1)(4x^2+3x+1)(16x^4+1)}$$

Sequence: A174887
Score: 7.02596
Type of gen. func.: lgdogf

$$(42x^{23} - 86x^{22} + 44x^{21} + 42x^{16} - 87x^{15} + 45x^{14} + 21x^9 - 45x^8 + 24x^7 - x + 3) / ((x-1)(2x^{23} - 2x^{22} + 3x^{16} - 3x^{15} + 3x^9 - 3x^8 + x - 2))$$

Sequence: A174887
Score: 9.30286
Type of gen. func.: ogf

$$-\frac{2x^{23} - 2x^{22} + 3x^{16} - 3x^{15} + 3x^9 - 3x^8 + x - 2}{(x-1)^2}$$

Sequence: A174902
Score: 11.8660
Type of gen. func.: ogf

$$-\frac{4x^2-3x+1}{(x-1)^3}$$

Sequence: A174902
Score: 22.2587
Type of gen. func.: lgdogf

$$-\frac{2x(2x+1)}{(x-1)(4x^2-3x+1)}$$

Sequence: A174902
Score: 6.40556
Type of gen. func.: ogf

$$(44 f(x) - 43) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) - 3 x + 1)$$

Sequence: A174902
Score: 6.52097
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 0, a(2) = 1\}$$

Sequence: A174908
Score: 10.6289
Type of gen. func.: ogf

$$-\frac{2x^{17}-2x^{16}+2x^9-2x^8+x-2}{(x-1)^2}$$

Sequence: A174908
Score: 9.35005

Type of gen. func.: lgdogf

$$\frac{30 x^{17} - 62 x^{16} + 32 x^{15} + 14 x^{9} - 30 x^{8} + 16 x^{7} - x + 3}{(x - 1) (2 x^{17} - 2 x^{16} + 2 x^{9} - 2 x^{8} + x - 2)}$$

Sequence: A174927
Score: 13.2925
Type of gen. func.: ogf

$$(f(x) + 2047) (f(x) x^{2} - f(x) + 64 x + 1)$$

Sequence: A174927
Score: 14.5195
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 1, a(1) = 64\}$$

Sequence: A174927
Score: 22.4706
Type of gen. func.: ogf

$$- \frac{64 x + 1}{(x - 1) (x + 1)}$$

Sequence: A174927
Score: 25.0281
Type of gen. func.: lgdogf

$$- \frac{2 (32 x^{2} + x + 32)}{(x - 1) (64 x + 1) (x + 1)}$$

Sequence: A174927
Score: 25.0281
Type of gen. func.: revogf

$$\frac{-1 + (4 x^{2} + 256 x + 1)^{1/2}}{}$$

$$2 (64 + x)$$

Sequence: A174928
Score: 14.9113
Type of gen. func.: ogf

$$\frac{64 x + 1}{(x - 1)^2 (x + 1)}$$

Sequence: A174928
Score: 20.2494
Type of gen. func.: lgdogf

$$- \frac{128 x^2 + 67 x + 65}{(x - 1) (64 x + 1) (x + 1)}$$

Sequence: A174928
Score: 6.82381
Type of gen. func.: ogf

$$(3047785 f(x) + 199703471) (f(x) x^3 - f(x) x^2 - f(x) x + f(x) - 64 x - 1)$$

Sequence: A174928
Score: 7.06325
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 65, a(2) = 66\}$$

Sequence: A174929
Score: 14.2773
Type of gen. func.: ogf

$$- \frac{64 x + 1}{(x + 1) (x - 1)^3}$$

Sequence: A174929
Score: 18.9055
Type of gen. func.: lgdogf

$$-\frac{6\,(32\,x^{2}+22\,x+11)}{(x-1)\,(64\,x+1)\,(x+1)}$$

Sequence: A174929
Score: 6.02325
Type of gen. func.: ogf

$$(214182103525\,f(x)-13958653924199)$$

$$(f(x)\,x^{4}-2\,f(x)\,x^{3}+2\,f(x)\,x-f(x)+64\,x+1)$$

Sequence: A174944
Score: 3.23876
Type of gen. func.: ogf

$$-\frac{1000000\,x^{5}-1000000\,x^{4}+1000\,x^{2}-910\,x-99}{(10\,x-1)\,(x-1)}$$

Sequence: A174959
Score: 6.37030
Type of gen. func.: ogf

$$-\frac{x^{3}\,(2\,x-1)}{(x-1)\,(2\,x^{2}-1)\,(x^{2}+x-1)}$$

Sequence: A174959
Score: 6.61548
Type of gen. func.: lgdogf

$$-\frac{x\,(16\,x^{4}-10\,x^{3}-20\,x^{2}+19\,x-4)}{(x-1)\,(2\,x-1)\,(2\,x^{2}-1)\,(x^{2}+x-1)}$$

Sequence: A174959
Score: 7.42714
Type of gen. func.: ogf

$$-2 f(x) x^5 + 5 f(x) x^3 - 2 x^4 - 2 f(x) x^2 + x^3 - 2 f(x) x + f(x)$$

Sequence: A174971
Score: 115.755
Type of gen. func.: lgdogf

$$-\frac{1}{x + 1}$$

Sequence: A174971
Score: 115.755
Type of gen. func.: revogf

$$-\frac{x}{x - 3}$$

Sequence: A174971
Score: 14.5706
Type of gen. func.: ogf

$$\{-a(n + 1) - a(n), a(0) = 3\}$$

Sequence: A174971
Score: 18.4797
Type of gen. func.: ogf

$$f(x) x + f(x) - 3$$

Sequence: A174971
Score: 30.3068
Type of gen. func.: ogf

$$\frac{3}{x + 1}$$

Sequence: A174971
Score: 35.9820
Type of gen. func.: ogf_with_Euler_transform]

$$[x - 1]$$

Sequence: A174983
Score: 6.26373
Type of gen. func.: ogf

$$-f(x)\, x^{2} + 132498\, f(x)\, x - f(x) + 9100\, x$$

Sequence: A174984
Score: 8.81934
Type of gen. func.: ogf

$$- \frac{4 x^{9} + 4 x^{8} + 4 x^{7} + 2 x^{6} + 4 x^{5} + 3 x^{4} + x^{3} + 4 x^{2} + 5 x + 4}{(x - 1)\, (x + 1)\, (x^{4} + x^{3} + x^{2} + x + 1)\, (x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A174988
Score: 11.0403
Type of gen. func.: ogf

$$- \frac{x\, (3 x + 1)\, (x - 1)}{9 x^{4} - 8 x^{2} + 1}$$

Sequence: A174988
Score: 6.73459
Type of gen. func.: ogf

$$(124\, f(x) + 57)\, (9\, f(x)\, x^{4} - 8\, f(x)\, x^{2} + 3 x^{3} - 2 x^{2} + f(x) - x)$$

Sequence: A174988
Score: 9.90087
Type of gen. func.: lgdogf

$$-\frac{2 (27 x^5 - 27 x^4 - 18 x^3 + 8 x^2 + 5 x + 1)}{(x - 1) (3 x + 1) (9 x^4 - 8 x^2 + 1)}$$

Sequence: A174994
Score: 11.8440
Type of gen. func.: ogf

$$-\frac{16 (x^4 + 6 x^2 + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A174994
Score: 17.4895
Type of gen. func.: lgdogf

$$-\frac{x^5 + x^4 + 22 x^3 + 6 x^2 + 17 x + 1}{(x - 1) (x + 1) (x^4 + 6 x^2 + 1)}$$

Sequence: A175005
Score: 15.7342
Type of gen. func.: ogf

$$-\frac{x}{2 x^3 - 3 x^2 + 4 x - 1}$$

Sequence: A175005
Score: 17.1711
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^2 - 3 x + 2)}{2 x^3 - 3 x^2 + 4 x - 1}$$

Sequence: A175005

Score: 5.81175
Type of gen. func.: ogf

$$\{a(n+3) - 4a(n+2) + 3a(n+1) - 2a(n), a(0) = 0, a(1) = 1, a(2) = 4\}$$

Sequence: A175005
Score: 6.26314
Type of gen. func.: ogf

$$-(4f(x)+1)(2f(x)x^3 - 3f(x)x^2 + 4f(x)x - f(x) + x)$$

Sequence: A175014
Score: 11.7988
Type of gen. func.: ogf

$$\frac{12x}{x^2 - 178x + 1}$$

Sequence: A175014
Score: 19.3440
Type of gen. func.: lgdogf

$$-\frac{2(-89+x)}{x^2 - 178x + 1}$$

Sequence: A175014
Score: 5.61846
Type of gen. func.: ogf

$$\{a(n+2) - 178a(n+1) + a(n), a(0) = 0, a(1) = 12\}$$

Sequence: A175014
Score: 7.61211
Type of gen. func.: ogf

$$-f(x)x^2 + 178f(x)x - f(x) + 12x$$

Sequence: A175014
Score: 8.92800
Type of gen. func.: revogf

$$-\frac{-89 x - 6 + 2 (1 + 15 x)^{1/2} (44 x + 3)^{1/2} 3^{1/2}}{x}$$

Sequence: A175015
Score: 10.6851
Type of gen. func.: ogf

$$\frac{20 x}{x^2 - 302 x + 1}$$

Sequence: A175015
Score: 16.7980
Type of gen. func.: lgdogf

$$-\frac{2 (-151 + x)}{x^2 - 302 x + 1}$$

Sequence: A175015
Score: 5.08815
Type of gen. func.: ogf

$$\{a(n + 2) - 302 a(n + 1) + a(n), a(0) = 0, a(1) = 20\}$$

Sequence: A175015
Score: 6.89361
Type of gen. func.: ogf

$$-f(x) x^2 + 302 f(x) x - f(x) + 20 x$$

Sequence: A175015
Score: 7.77685
Type of gen. func.: revogf

$$-\frac{-10 - 151 x + 2 (76 x + 5)^{1/2} (1 + 15 x)^{1/2} 5^{1/2}}{x}$$

Sequence: A175016
Score: 5.7261
Type of gen. func.: ogf

$$-f(x) x^{2} + 39206 f(x) x - f(x) + 2574 x$$

Sequence: A175033
Score: 4.12139
Type of gen. func.: ogf

$$(9248 f(x) - 8783) (f(x) x^{4} - 6 f(x) x^{2} + x^{3} - x^{2} + f(x) - 15 x - 9)$$

Sequence: A175033
Score: 6.74409
Type of gen. func.: ogf

$$-\frac{(x + 3) (x^{2} - 4 x - 3)}{(x^{2} + 2 x - 1) (x^{2} - 2 x - 1)}$$

Sequence: A175049
Score: 10.0595
Type of gen. func.: ogf

$$\frac{69 x}{x^{2} - 1060 x + 1}$$

Sequence: A175049
Score: 15.5863
Type of gen. func.: lgdogf

$$-\frac{2 (-530 + x)}{{}^{2}}$$

$$x - 1060 x + 1$$

Sequence: A175049
Score: 4.85222
Type of gen. func.: ogf

$$\{a(n + 2) - 1060 a(n + 1) + a(n), a(0) = 0, a(1) = 69\}$$

Sequence: A175049
Score: 5.95949
Type of gen. func.: revogf

$$-\frac{-1060 x - 69 + (354 x + 23)^{1/2} (46 x + 3)^{1/2} 3^{1/2} 23^{1/2}}{2 x}$$

Sequence: A175049
Score: 6.54663
Type of gen. func.: ogf

$$-f(x) x^2 + 1060 f(x) x - f(x) + 69 x$$

Sequence: A175109
Score: 7.54032
Type of gen. func.: ogf

$$\frac{(x^2 + 6 x + 1) (x^2 + 4 x + 1)}{(x + 1) (x - 1)^4}$$

Sequence: A175109
Score: 9.71968
Type of gen. func.: lgdogf

$$-\frac{x^5 + 23 x^4 + 112 x^3 + 148 x^2 + 87 x + 13}{(x - 1) (x + 1) (x^2 + 6 x + 1) (x^2 + 4 x + 1)}$$

Sequence: A175110
Score: 10.4693
Type of gen. func.: lgdogf

$$-\frac{x^{4} + 76 x^{3} + 462 x^{2} + 380 x + 41}{(x - 1) (x^{4} + 36 x^{3} + 118 x^{2} + 36 x + 1)}$$

Sequence: A175110
Score: 6.90546
Type of gen. func.: ogf

$$-\frac{x^{4} + 36 x^{3} + 118 x^{2} + 36 x + 1}{(x - 1)^{5}}$$

Sequence: A175111
Score: 4.86319
Type of gen. func.: ogf

$$\frac{x^{6} + 116 x^{5} + 967 x^{4} + 1672 x^{3} + 967 x^{2} + 116 x + 1}{(x + 1) (x - 1)^{6}}$$

Sequence: A175112
Score: 5.54800
Type of gen. func.: ogf

$$-\frac{x^{6} + 116 x^{5} + 967 x^{4} + 1672 x^{3} + 967 x^{2} + 116 x + 1}{(x + 1) (x - 1)^{5}}$$

Sequence: A175112
Score: 5.72435
Type of gen. func.: lgdogf

$$-\frac{4 (30 x^{6} + 601 x^{5} + 2366 x^{4} + 3606 x^{3} + 2366 x^{2} + 601 x + 30)}{\quad^{6} \quad^{5} \quad^{4} \quad^{3} \quad^{2}}$$

$$(x - 1) (x + 1) (x + 116 x + 967 x + 1672 x + 967 x + 116 x + 1)$$

Sequence: A175113
Score: 4.40722
Type of gen. func.: ogf

$$-\frac{x^6 + 358 x^5 + 5279 x^4 + 11764 x^3 + 5279 x^2 + 358 x + 1}{(x - 1)^7}$$

Sequence: A175113
Score: 5.51510
Type of gen. func.: lgdogf

$$-\frac{x^6 + 722 x^5 + 17627 x^4 + 68172 x^3 + 61687 x^2 + 12706 x + 365}{(x - 1) (x^6 + 358 x^5 + 5279 x^4 + 11764 x^3 + 5279 x^2 + 358 x + 1)}$$

Sequence: A175114
Score: 4.83822
Type of gen. func.: ogf

$$\frac{x^6 + 358 x^5 + 5279 x^4 + 11764 x^3 + 5279 x^2 + 358 x + 1}{(x - 1)^6}$$

Sequence: A175114
Score: 6.23147
Type of gen. func.: lgdogf

$$-\frac{4 (x + 1) (91 x^4 + 2996 x^3 + 11106 x^2 + 2996 x + 91)}{(x - 1) (x^6 + 358 x^5 + 5279 x^4 + 11764 x^3 + 5279 x^2 + 358 x + 1)}$$

Sequence: A175161
Score: 10.6154
Type of gen. func.: ogf

$$-\frac{8(3x-2)}{(2x-1)(x-1)}$$

Sequence: A175161
Score: 13.1365
Type of gen. func.: lgdogf

$$-\frac{6x^2-8x+3}{(x-1)(2x-1)(3x-2)}$$

Sequence: A175161
Score: 5.46125
Type of gen. func.: revegf]

$$1/2\ln(x+12)-1/2\ln((x+16)^{1/2}+2)+1/2\ln((x+16)^{1/2}-2)-1/2\ln(12)+1/2\ln(6)-1/2\ln(2)$$

Sequence: A175161
Score: 5.93960
Type of gen. func.: ogf

$$\{a(n+2)-3a(n+1)+2a(n), a(0)=16, a(1)=24\}$$

Sequence: A175161
Score: 8.60844
Type of gen. func.: ogf

$$-(7f(x)+212)(2f(x)x^2-3f(x)x+f(x)+24x-16)$$

Sequence: A175162
Score: 11.0949
Type of gen. func.: ogf

$$-\frac{16(3x-2)}{(2x-1)(x-1)}$$

Sequence: A175162
Score: 13.7455
Type of gen. func.: lgdogf

$$-\frac{6 x^{2} - 8 x + 3}{(x - 1) (2 x - 1) (3 x - 2)}$$

Sequence: A175162
Score: 5.60707
Type of gen. func.: ogf

$$-(7 f(x) + 424) (2 f(x) x^{2} - 3 f(x) x + f(x) + 48 x - 32)$$

Sequence: A175162
Score: 6.20785
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 32, a(1) = 48\}$$

Sequence: A175162
Score: 8.20295
Type of gen. func.: revegf]

$$1/2 \ln(x + 24) - \operatorname{arctanh}\left(\frac{(2 x + 64)^{1/2}}{4}\right) - 1/2 \ln(24) + \operatorname{arctanh}(2)$$

Sequence: A175163
Score: 11.5743
Type of gen. func.: ogf

$$-\frac{32 (3 x - 2)}{(2 x - 1) (x - 1)}$$

Sequence: A175163
Score: 14.7532
Type of gen. func.: lgdogf

2

$$-\frac{6 x - 8 x + 3}{(x - 1) (2 x - 1) (3 x - 2)}$$

Sequence: A175163
Score: 5.84935
Type of gen. func.: ogf

$$-(7 f(x) + 848) (2 f(x) x^{2} - 3 f(x) x + f(x) + 96 x - 64)$$

Sequence: A175163
Score: 5.90128
Type of gen. func.: revegf]

$$1/2 \ln(x + 48) + 1/2 \ln((x + 64)^{1/2} - 4) - 1/2 \ln((x + 64)^{1/2} + 4) - 1/2 \ln(48) - 1/2 \ln(4) + 1/2 \ln(12)$$

Sequence: A175163
Score: 6.47608
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 64, a(1) = 96\}$$

Sequence: A175164
Score: 13.5532
Type of gen. func.: ogf

$$\frac{16 x}{(2 x - 1) (x - 1)}$$

Sequence: A175164
Score: 13.6585
Type of gen. func.: revogf

$$-\frac{-16 - 3 x + (x^{2} + 96 x + 256)^{1/2}}{4 x}$$

Sequence: A175164
Score: 21.0568
Type of gen. func.: lgdogf

$$-\frac{-3+4x}{(2x-1)(x-1)}$$

Sequence: A175164
Score: 6.28074
Type of gen. func.: ogf

$$\{a(n+2)-3a(n+1)+2a(n),\ a(0)=0,\ a(1)=16\}$$

Sequence: A175164
Score: 8.58367
Type of gen. func.: ogf

$$-2f(x)x^2+3f(x)x-f(x)+16x$$

Sequence: A175165
Score: 13.3707
Type of gen. func.: revogf

$$-\frac{-32-3x+(x^2+192x+1024)^{1/2}}{4x}$$

Sequence: A175165
Score: 13.9767
Type of gen. func.: ogf

$$\frac{32x}{(2x-1)(x-1)}$$

Sequence: A175165
Score: 21.7274
Type of gen. func.: lgdogf

$$-\frac{-3+4x}{}$$

$$(2 x - 1) (x - 1)$$

Sequence: A175165
Score: 6.47701
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 32\}$$

Sequence: A175165
Score: 8.85191
Type of gen. func.: ogf

$$-2 f(x) x^2 + 3 f(x) x - f(x) + 32 x$$

Sequence: A175166
Score: 14.0310
Type of gen. func.: revogf

$$- \frac{-64 - 3 x + (x^2 + 384 x + 4096)^{1/2}}{4 x}$$

Sequence: A175166
Score: 14.6544
Type of gen. func.: ogf

$$\frac{64 x}{(2 x - 1) (x - 1)}$$

Sequence: A175166
Score: 23.7917
Type of gen. func.: lgdogf

$$- \frac{-3 + 4 x}{(2 x - 1) (x - 1)}$$

Sequence: A175166
Score: 6.79105

Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 64\}$$

Sequence: A175166
Score: 9.28109
Type of gen. func.: ogf

$$-2 f(x) x^2 + 3 f(x) x - f(x) + 64 x$$

Sequence: A175237
Score: 10.9281
Type of gen. func.: ogf

$$\frac{6 (20 x + 1)}{(10 x - 1) (x - 1)}$$

Sequence: A175237
Score: 11.3944
Type of gen. func.: revogf

$$-\frac{-6 - 11 x + 3 (9 x^2 + 68 x + 4)^{1/2}}{20 (-12 + x)}$$

Sequence: A175237
Score: 12.1894
Type of gen. func.: lgdogf

$$-\frac{200 x^2 + 20 x - 31}{(x - 1) (20 x + 1) (10 x - 1)}$$

Sequence: A175237
Score: 5.69657
Type of gen. func.: ogf

$$(107 f(x) + 1280) (10 f(x) x^2 - 11 f(x) x + f(x) - 120 x - 6)$$

Sequence: A175237
Score: 6.22648
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 6, a(1) = 186\}$$

Sequence: A175287
Score: 10.7276
Type of gen. func.: ogf

$$\frac{x (x^2 - x + 1)}{(x + 1) (x - 1)^4}$$

Sequence: A175287
Score: 21.4285
Type of gen. func.: lgdogf

$$-\frac{3 x^3 - x^2 + 4 x + 2}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A175287
Score: 26.1987
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^2 + 2 x + 2$$

Sequence: A175307
Score: 10.2731
Type of gen. func.: ogf

$$\frac{x^{40} - x^{34} - x^5 - 3 x^4 - x^3 - x^2 - x - 2}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A175322
Score: 7.59162
Type of gen. func.: ogf

$$\frac{2 (x + 3) (x - 2)}{(x - 1) (x^2 - 34 x + 1) (x^2 - 6 x + 1)}$$

Sequence: A175360
Score: 10.6010
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^3 + 6 x^2 - 4 x + 11}{-x^3 - x^2 - x - 1}$$

Sequence: A175361
Score: 10.4629
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^3 + 7 x^2 - 5 x + 13}{-x^3 - x^2 - x - 1}$$

Sequence: A175373
Score: 12.7126
Type of gen. func.: ogf

$$- \frac{(2 x^{16} + 2 x + 1)^2}{x - 1}$$

Sequence: A175373
Score: 19.9564
Type of gen. func.: lgdogf

$$\frac{62 x^{16} - 64 x^{15} + 2 x - 5}{(x - 1) (2 x^{16} + 2 x + 1)}$$

Sequence: A175376
Score: 19.0014
Type of gen. func.: lgdogf

$$\frac{94 x^{16} - 96 x^{15} + 4 x - 7}{(x - 1) (2 x^{16} + 2 x + 1)}$$

Sequence: A175378
Score: 7.21937
Type of gen. func.: lgdogf

$$- \frac{20 x^8 - 38 x^6 + 12 x^5 + 18 x^4 - 12 x^3 - 3 x^2 + 8 x - 3}{(x - 1) (x + 1) (2 x^2 - 1) (x^2 + x - 1) (2 x^3 - 2 x^2 + 2 x - 1)}$$

Sequence: A175378
Score: 8.66325
Type of gen. func.: ogf

$$\frac{x^4 (2 x^2 - 1)}{(x - 1) (x + 1) (x^2 + x - 1) (2 x^3 - 2 x^2 + 2 x - 1)}$$

Sequence: A175395
Score: 13.0812
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 2, a(2) = 2\}$$

Sequence: A175395
Score: 13.5702
Type of gen. func.: ogf

$$(f(x) + 2) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + 2 x^2 + f(x) - 2 x)$$

Sequence: A175395

Score: 25.4739
Type of gen. func.: ogf

$$-\frac{2x(x-1)}{(x+1)(x^2-3x+1)}$$

Sequence: A175395
Score: 32.7469
Type of gen. func.: lgdogf

$$-\frac{2x^3-5x^2+4x+1}{(x-1)(x+1)(x^2-3x+1)}$$

Sequence: A175408
Score: 9.35182
Type of gen. func.: ogf

$$-\frac{3x^9+5x^8+4x^7+4x^6+5x^5+3x^4+6x^3+2x^2+7x+1}{(x-1)(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)}$$

Sequence: A175410
Score: 4.43090
Type of gen. func.: ogf

$$-\frac{12(x^2-44x+11)}{(x-1)(x^2-14x+1)(x^2-194x+1)}$$

Sequence: A175416
Score: 5.69680
Type of gen. func.: ogf

$$-\frac{x^{27}+18x^{26}-10x^{25}-8x^{24}-x^{23}+x^9+2x^8-2x^7-x^5+x^3-x^2-1}{(x-1)^2}$$

Sequence: A175430
Score: 5.10580
Type of gen. func.: ogf

$$\{(n^2 + 6 n + 8) a(n + 1) - a(n + 2), a(0) = 2, a(1) = 6\}$$

Sequence: A175458
Score: 5.11365
Type of gen. func.: ogf

$$x (42 x^{22} - 84 x^{21} + 42 x^{20} + 36 x^{19} - 72 x^{18} + 36 x^{17} + 18 x^{10} - 36 x^9 + 18 x^8 + 8 x^5 - 16 x^4 + 8 x^3 - 1) / (x - 1)^3$$

Sequence: A175558
Score: 19.8580
Type of gen. func.: ogf

$$\{a(n + 1) - 167 a(n), a(0) = 1\}$$

Sequence: A175558
Score: 24.9379
Type of gen. func.: ogf

$$-167 f(x) x + f(x) - 1$$

Sequence: A175558
Score: 46.6230
Type of gen. func.: ogf

$$- \frac{1}{167 x - 1}$$

Sequence: A175558
Score: 62.3980
Type of gen. func.: revegf]

$$1/167 \ln(1 + 167 x)$$

Sequence: A175558
Score: 70.7177
Type of gen. func.: lgdogf

$$-\frac{167}{167 x - 1}$$

Sequence: A175564
Score: 16.7809
Type of gen. func.: lgdogf

$$\frac{2 (1680 x^3 + 234 x^2 + 14 x + 1)}{840 x^4 + 156 x^3 + 14 x^2 + 2 x + 1}$$

Sequence: A175564
Score: 5.65925
Type of gen. func.: ogf

$$\{-a(n + 5), a(0) = 1, a(1) = 2, a(2) = 14, a(3) = 156, a(4) = 840\}$$

Sequence: A175564
Score: 5.97365
Type of gen. func.: ogf

$$(8360484 f(x) - 5378729) (-840 x^4 - 156 x^3 - 14 x^2 + f(x) - 2 x - 1)$$

Sequence: A175601
Score: 10.9197
Type of gen. func.: revogf

$$-\frac{-7 - 11 x + (81 x^2 + 2394 x + 49)^{1/2}}{20 (-56 + x)}$$

Sequence: A175601

Score: 10.9281
Type of gen. func.: ogf

$$\frac{7\,(80\,x + 1)}{(10\,x - 1)\,(x - 1)}$$

Sequence: A175601
Score: 12.1894
Type of gen. func.: lgdogf

$$-\frac{(20\,x + 7)\,(40\,x - 13)}{(x - 1)\,(80\,x + 1)\,(10\,x - 1)}$$

Sequence: A175601
Score: 5.6366
Type of gen. func.: ogf

$$(981\,f(x) + 51100)\,(10\,f(x)\,x^2 - 11\,f(x)\,x + f(x) - 560\,x - 7)$$

Sequence: A175601
Score: 6.22648
Type of gen. func.: ogf

$$\{-a(n + 2) + 11\,a(n + 1) - 10\,a(n),\ a(0) = 7,\ a(1) = 637\}$$

Sequence: A175602
Score: 10.3329
Type of gen. func.: revogf

$$-\frac{-56 - 11\,x + (81\,x^2 + 1872\,x + 3136)^{1/2}}{20\,(-16 + x)}$$

Sequence: A175602
Score: 10.7662
Type of gen. func.: ogf

$$\frac{8\,(20\,x + 7)}{(10\,x - 1)\,(x - 1)}$$

Sequence: A175602
Score: 11.9768
Type of gen. func.: lgdogf

$$-\frac{200 x^2 + 140 x - 97}{(x - 1) (20 x + 7) (10 x - 1)}$$

Sequence: A175602
Score: 5.6074
Type of gen. func.: ogf

$$(927 f(x) + 23360) (10 f(x) x^2 - 11 f(x) x + f(x) - 160 x - 56)$$

Sequence: A175602
Score: 6.18747
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 56, a(1) = 776\}$$

Sequence: A175603
Score: 10.3329
Type of gen. func.: revogf

$$-\frac{-40 - 11 x + (81 x^2 + 2160 x + 1600)^{1/2}}{20 (-32 + x)}$$

Sequence: A175603
Score: 10.7662
Type of gen. func.: ogf

$$\frac{40 (8 x + 1)}{(10 x - 1) (x - 1)}$$

Sequence: A175603
Score: 12.8531
Type of gen. func.: lgdogf

$$-\frac{80 x^2 + 20 x - 19}{(x - 1) (8 x + 1) (10 x - 1)}$$

Sequence: A175603
Score: 5.66643
Type of gen. func.: ogf

$$(189 f(x) + 6880) (10 f(x) x^2 - 11 f(x) x + f(x) - 320 x - 40)$$

Sequence: A175603
Score: 6.18747
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 40, a(1) = 760\}$$

Sequence: A175604
Score: 10.7546
Type of gen. func.: revogf

$$-\frac{-24 - 11 x + 3 (9 x^2 + 272 x + 64)^{1/2}}{20 (-48 + x)}$$

Sequence: A175604
Score: 10.7662
Type of gen. func.: ogf

$$\frac{24 (20 x + 1)}{(10 x - 1) (x - 1)}$$

Sequence: A175604
Score: 12.2553
Type of gen. func.: lgdogf

$$-\frac{200 x^2 + 20 x - 31}{(x - 1) (20 x + 1) (10 x - 1)}$$

Sequence: A175604
Score: 5.66643
Type of gen. func.: ogf

$$(107 f(x) + 5120) (10 f(x) x^2 - 11 f(x) x + f(x) - 480 x - 24)$$

Sequence: A175604
Score: 6.18747
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 24, a(1) = 744\}$$

Sequence: A175629
Score: 6.97532
Type of gen. func.: ogf

$$\frac{x (x^4 + 2 x^3 + x^2 + 2 x + 1)}{x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}$$

Sequence: A175629
Score: 9.62242
Type of gen. func.: lgdogf

$$- \frac{2 x^9 + 7 x^8 + 8 x^7 + 14 x^6 + 14 x^5 + 7 x^4 - 2 x^2 - 1}{(x^4 + 2 x^3 + x^2 + 2 x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A175630
Score: 8.33900
Type of gen. func.: ogf

$$- \frac{x (14 x^{15} - 16 x^{13} + 7 x^8 - 9 x^6 + 4 x^5 + 3 x^4 - 2 x^3 - x - 1)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A175631
Score: 11.4730
Type of gen. func.: ogf

$$\frac{x\,(3\,x^3 - 8\,x^2 + 6\,x - 2)}{(x - 1)^3}$$

Sequence: A175631
Score: 23.7005
Type of gen. func.: lgdogf

$$-\frac{x\,(-4 + x)}{(x - 1)\,(3\,x^3 - 8\,x^2 + 6\,x - 2)}$$

Sequence: A175631
Score: 5.10690
Type of gen. func.: ogf

$\{(-n^2 + n)\,a(n) + (5\,n^2 + 5\,n)\,a(n + 1) + (-4\,n^2 + 4)\,a(n + 2),\ a(0) = 0,$

$a(1) = 2,\ a(2) = 0,\ a(3) = 2\}$

Sequence: A175631
Score: 8.2924
Type of gen. func.: ogf

$$-f(x)\,x^3 + 3\,x^4 + 3\,f(x)\,x^2 - 8\,x^3 - 3\,f(x)\,x + 6\,x^2 + f(x) - 2\,x$$

Sequence: A175633
Score: 10.2355
Type of gen. func.: lgdogf

$$-\frac{127\,x^2 - 2\,x + 127}{(127\,x - 1)\,(x^2 - 254\,x + 1)}$$

Sequence: A175633
Score: 4.35474
Type of gen. func.: ogf

$$-(32256 f(x) - 16127) (f(x) x^2 - 254 f(x) x + f(x) + 127 x - 1)$$

Sequence: A175633
Score: 5.11429
Type of gen. func.: ogf

$$\{a(n + 2) - 254 a(n + 1) + a(n), a(0) = 1, a(1) = 127\}$$

Sequence: A175633
Score: 8.97610
Type of gen. func.: ogf

$$-\frac{127 x - 1}{x^2 - 254 x + 1}$$

Sequence: A175637
Score: 5.54306
Type of gen. func.: ogf

$$-\frac{400 x^{13} - 70 x^8 - 404 x^7 - 10 x^6 - 77 x^5 - 11 x^4 - 9 x^3 - 7 x^2 - 3 x - 1}{(x - 1) (x + 1) (10 x^3 + 1) (10 x^3 - 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A175654
Score: 12.6664
Type of gen. func.: ogf

$$-\frac{x^2 + x - 1}{(2 x - 1) (3 x^2 + x - 1)}$$

Sequence: A175654
Score: 14.0539
Type of gen. func.: lgdogf

$$-\frac{2(3x^4+6x^3-8x^2+1)}{(2x-1)(3x^2+x-1)(x^2+x-1)}$$

Sequence: A175654
Score: 6.89863
Type of gen. func.: ogf

$$(7f(x)+17)(6f(x)x^3-f(x)x^2-3f(x)x+x^2+f(x)+x-1)$$

Sequence: A175654
Score: 6.89864
Type of gen. func.: ogf

$$\{a(n+3)-3a(n+2)-a(n+1)+6a(n), a(0)=1, a(1)=2, a(2)=6\}$$

Sequence: A175655
Score: 10.3854
Type of gen. func.: lgdogf

$$-\frac{2(15x^4-6x^3-x^2-4x+2)}{(2x-1)(3x^2+x-1)(5x^2-x-1)}$$

Sequence: A175655
Score: 10.4336
Type of gen. func.: ogf

$$-\frac{5x^2-x-1}{(2x-1)(3x^2+x-1)}$$

Sequence: A175655
Score: 5.53436
Type of gen. func.: ogf

$$-(f(x)+5)(6f(x)x^3-f(x)x^2-3f(x)x+5x^2+f(x)-x-1)$$

Sequence: A175655
Score: 5.68259
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + a(n + 1) - 6 a(n), a(0) = 1, a(1) = 4, a(2) = 8\}$$

Sequence: A175656
Score: 13.5354
Type of gen. func.: ogf

$$-\frac{3 x^2 - 1}{(x + 1) (2 x - 1)^2}$$

Sequence: A175656
Score: 15.8446
Type of gen. func.: lgdogf

$$-\frac{3 (2 x^3 + x^2 - 1)}{(2 x - 1) (x + 1) (3 x^2 - 1)}$$

Sequence: A175656
Score: 7.05568
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 4 a(n), a(0) = 1, a(1) = 3, a(2) = 6\}$$

Sequence: A175656
Score: 7.36926
Type of gen. func.: ogf

$$(4 f(x) + 23) (4 f(x) x^3 - 3 f(x) x + 3 x^2 + f(x) - 1)$$

Sequence: A175657
Score: 11.4279

Type of gen. func.: ogf

$$-\frac{3x^2 - x - 1}{(x^2 + x - 1)(2x - 1)}$$

Sequence: A175657
Score: 12.2029
Type of gen. func.: lgdogf

$$-\frac{2(x - 1)(3x^3 + x^2 + 2x - 2)}{(2x - 1)(3x^2 - x - 1)(x^2 + x - 1)}$$

Sequence: A175657
Score: 6.06173
Type of gen. func.: ogf

$$-(f(x) + 5)(2 f(x) x^3 + f(x) x^2 - 3 f(x) x + 3x^2 + f(x) - x - 1)$$

Sequence: A175657
Score: 6.22411
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + a(n + 1) + 2 a(n), a(0) = 1, a(1) = 4, a(2) = 8\}$$

Sequence: A175658
Score: 11.6919
Type of gen. func.: ogf

$$-\frac{3x^2 - 1}{(2x - 1)(x^2 + 2x - 1)}$$

Sequence: A175658
Score: 12.5598
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^4+3\,x^2-6\,x+2)}{(2\,x-1)\,(3\,x^2-1)\,(x^2+2\,x-1)}$$

Sequence: A175658
Score: 5.89770
Type of gen. func.: ogf

{a(n + 3) - 4 a(n + 2) + 3 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 4, a(2) = 10}

Sequence: A175658
Score: 6.00397
Type of gen. func.: ogf

$$-(f(x)+8)\,(2\,f(x)\,x^3+3\,f(x)\,x^2-4\,f(x)\,x+3\,x^2+f(x)-1)$$

Sequence: A175659
Score: 10.0788
Type of gen. func.: ogf

$$-\frac{7\,x^2-2\,x-1}{(3\,x-1)\,(2\,x-1)\,(x+1)}$$

Sequence: A175659
Score: 5.21021
Type of gen. func.: ogf

$$-(47\,f(x)+170)\,(6\,f(x)\,x^3+f(x)\,x^2-4\,f(x)\,x+7\,x^2+f(x)-2\,x-1)$$

Sequence: A175659
Score: 5.44076
Type of gen. func.: ogf

{-a(n + 3) + 4 a(n + 2) - a(n + 1) - 6 a(n), a(0) = 1, a(1) = 6, a(2) = 16}

Sequence: A175659

Score: 8.98404
Type of gen. func.: lgdogf

$$-\frac{2\,(21 x^4 - 12 x^3 + 4 x^2 - 8 x + 3)}{(3 x - 1)\,(2 x - 1)\,(x + 1)\,(7 x^2 - 2 x - 1)}$$

Sequence: A175660
Score: 10.8727
Type of gen. func.: ogf

$$\frac{2 x^2 - x + 1}{(x^2 + x - 1)\,(2 x - 1)}$$

Sequence: A175660
Score: 11.2005
Type of gen. func.: lgdogf

$$-\frac{4 x^4 - 4 x^3 + 11 x^2 - 2 x - 2}{(2 x - 1)\,(2 x^2 - x + 1)\,(x^2 + x - 1)}$$

Sequence: A175660
Score: 5.92173
Type of gen. func.: ogf

$$(9 f(x) - 74)\,(2 f(x) x^3 + f(x) x^2 - 3 f(x) x - 2 x^2 + f(x) + x - 1)$$

Sequence: A175660
Score: 5.92173
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - a(n + 1) - 2 a(n), a(0) = 1, a(1) = 2, a(2) = 7\}$$

Sequence: A175661
Score: 10.9405
Type of gen. func.: lgdogf

$$-\frac{8x^4-8x^3+4x^2-10x+5}{(2x-1)(4x^2-2x-1)(x^2+x-1)}$$

Sequence: A175661
Score: 10.9842
Type of gen. func.: ogf

$$-\frac{4x^2-2x-1}{(x^2+x-1)(2x-1)}$$

Sequence: A175661
Score: 5.7268
Type of gen. func.: ogf

$$-(11 f(x)+64)(2 f(x) x^3+f(x) x^2-3 f(x) x+4 x^2+f(x)-2x-1)$$

Sequence: A175661
Score: 5.92952
Type of gen. func.: ogf

$$\{a(n+3)-3a(n+2)+a(n+1)+2a(n), a(0)=1, a(1)=5, a(2)=10\}$$

Sequence: A175672
Score: 10.4366
Type of gen. func.: ogf

$$\frac{24x}{x^2-254x+1}$$

Sequence: A175672
Score: 16.4004
Type of gen. func.: lgdogf

$$-\frac{2(-127+x)}{2}$$

$$x - 254 x + 1$$

Sequence: A175672
Score: 4.96982
Type of gen. func.: ogf

$$\{a(n + 2) - 254 a(n + 1) + a(n), a(0) = 0, a(1) = 24\}$$

Sequence: A175672
Score: 6.61307
Type of gen. func.: revogf

$$- \frac{-12 - 127 x + 2 (21 x + 2)^{1/2} (32 x + 3)^{1/2} 2^{1/2} 3^{1/2}}{x}$$

Sequence: A175672
Score: 6.7333
Type of gen. func.: ogf

$$-f(x) x^2 + 254 f(x) x - f(x) + 24 x$$

Sequence: A175676
Score: 18.4188
Type of gen. func.: ogf

$$\frac{x^2}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A175676
Score: 32.3757
Type of gen. func.: ogf_with_Euler_transform]

$$[2 x^2]$$

Sequence: A175676

Score: 43.1613
Type of gen. func.: lgdogf

$$-\frac{6 x^2}{(x - 1) (x^2 + x + 1)}$$

Sequence: A175676
Score: 5.45195
Type of gen. func.: ogf

{(n + 2) a(n + 4) + (-5 - n) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 0}

Sequence: A175677
Score: 8.41769
Type of gen. func.: ogf

$$\frac{x^3 (x^{10} + x^8 + 6 x^4 + 3 x^2 + 1)}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2 (x^4 + 1)^2}$$

Sequence: A175677
Score: 9.19595
Type of gen. func.: lgdogf

$$-\frac{2 x (3 x^{16} + 4 x^{14} + 36 x^{10} + 26 x^8 + 12 x^6 + 12 x^2 + 3)}{(x - 1) (x + 1) (x^2 + 1) (x^{10} + x^8 + 6 x^4 + 3 x^2 + 1) (x^4 + 1)}$$

Sequence: A175686
Score: 7.53368
Type of gen. func.: ogf

$$-\frac{x (x^2 - x - 1) (x^4 - x^2 + 1)}{(x - 1)^4 (x + 1)^4}$$

Sequence: A175713

Score: 14.3667
Type of gen. func.: ogf

$$-\frac{1}{2x^4-4x^3+4x^2+x-1}$$

Sequence: A175713
Score: 15.3385
Type of gen. func.: lgdogf

$$-\frac{8x^3-12x^2+8x+1}{2x^4-4x^3+4x^2+x-1}$$

Sequence: A175713
Score: 6.01682
Type of gen. func.: ogf

$$(2f(x)-1)(2f(x)x^4-4f(x)x^3+4f(x)x^2+f(x)x-f(x)+1)$$

Sequence: A175714
Score: 12.9374
Type of gen. func.: lgdogf

$$-\frac{16x^3-15x^2+2x+1}{(x-1)(4x^3-x^2+1)}$$

Sequence: A175714
Score: 17.5413
Type of gen. func.: ogf

$$\frac{1}{(x-1)(4x^3-x^2+1)}$$

Sequence: A175714
Score: 6.41753

Type of gen. func.: ogf

$$(5463 f(x) + 7424) (4 f(x) x^4 - 5 f(x) x^3 + f(x) x^2 + f(x) x - f(x) - 1)$$

Sequence: A175715
Score: 14.0002
Type of gen. func.: ogf

$$- \frac{1}{2 x^6 - 4 x^5 + 3 x^4 + x^2 + x - 1}$$

Sequence: A175715
Score: 9.57902
Type of gen. func.: lgdogf

$$- \frac{12 x^5 - 20 x^4 + 12 x^3 + 2 x + 1}{2 x^6 - 4 x^5 + 3 x^4 + x^2 + x - 1}$$

Sequence: A175716
Score: 19.8458
Type of gen. func.: lgdegf]

$$\frac{\exp(x) x + \exp(x) + x + 2}{x + 1}$$

Sequence: A175722
Score: 12.7868
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (x^2 - x - 1)^2}$$

Sequence: A175722
Score: 25.0021
Type of gen. func.: lgdogf

$$-\frac{5x^2 - 7x + 1}{(x-1)(x^2 - x - 1)}$$

Sequence: A175722
Score: 4.02678
Type of gen. func.: ogf

{(n + 4) a(n + 4) + a(n + 3) + (-11 - 2 n) a(n + 2) + (6 + n) a(n + 1),

a(0) = 1, a(1) = -1, a(2) = 4, a(3) = -6}

Sequence: A175723
Score: 11.0075
Type of gen. func.: lgdogf

$$\frac{10x^9 + x^8 - 3x^6 - 34x^5 - 8x^4 - 20x^3 - 9x^2 - 4x - 1}{(x-1)(x+1)(x^2+1)(5x^6 + x^5 + 4x^4 + 3x^3 + 2x^2 + x + 1)}$$

Sequence: A175723
Score: 14.5058
Type of gen. func.: ogf

$$-\frac{5x^6 + x^5 + 4x^4 + 3x^3 + 2x^2 + x + 1}{(x-1)(x+1)(x^2+1)}$$

Sequence: A175724
Score: 10.3427
Type of gen. func.: ogf

$$\frac{x^4}{(x+1)(x^2 + x + 1)(x^2 - x + 1)(x-1)^4}$$

Sequence: A175724
Score: 13.0176
Type of gen. func.: lgdogf

$$-\frac{3\,(3x^5+x^4+x^3+x^2+x+1)}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A175724
Score: 30.0448
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5+3]$$

Sequence: A175740
Score: 13.5976
Type of gen. func.: ogf

$$\frac{1}{(x^2-x+1)(x^4-x^2+1)(x^{14}-x^{11}-x^{10}+x^7-x^4-x^3+1)}$$

Sequence: A175740
Score: 7.86366
Type of gen. func.: lgdogf

$$-\frac{20x^{19}-19x^{18}-10x^9-1}{(x^2-x+1)(x^4-x^2+1)(x^{14}-x^{11}-x^{10}+x^7-x^4-x^3+1)}$$

Sequence: A175772
Score: 14.3888
Type of gen. func.: ogf

$$\frac{1}{(x^4-x^3+x^2-x+1)(x^4-x^2+1)(x^{10}-x^6-x^5-x^4+1)}$$

Sequence: A175772
Score: 8.46856
Type of gen. func.: lgdogf

$$-\frac{18 x^{17} - 17 x^{16} - 9 x^{8} - 1}{(x^{4} - x^{3} + x^{2} - x + 1) (x^{4} - x^{2} + 1) (x^{10} - x^{6} - x^{5} - x^{4} + 1)}$$

Sequence: A175773
Score: 12.2721
Type of gen. func.: lgdogf

$$-\frac{12 x^{11} - 11 x^{10} - 6 x^{5} - 1}{(x^{2} - x + 1) (x^{10} - x^{8} - x^{7} + x^{5} - x^{3} - x^{2} + 1)}$$

Sequence: A175773
Score: 17.5677
Type of gen. func.: ogf

$$\frac{1}{(x^{2} - x + 1) (x^{10} - x^{8} - x^{7} + x^{5} - x^{3} - x^{2} + 1)}$$

Sequence: A175774
Score: 10.3329
Type of gen. func.: revogf

$$-\frac{-35 - 11 x + (81 x^{2} + 1890 x + 1225)^{1/2}}{20 (-28 + x)}$$

Sequence: A175774
Score: 10.7662
Type of gen. func.: ogf

$$\frac{35 (8 x + 1)}{(10 x - 1) (x - 1)}$$

Sequence: A175774
Score: 12.8531
Type of gen. func.: lgdogf

$$-\frac{80 x^2 + 20 x - 19}{(x - 1) (8 x + 1) (10 x - 1)}$$

Sequence: A175774
Score: 5.78829
Type of gen. func.: ogf

$$(27 f(x) + 860) (10 f(x) x^2 - 11 f(x) x + f(x) - 280 x - 35)$$

Sequence: A175774
Score: 6.18747
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 35, a(1) = 665\}$$

Sequence: A175775
Score: 10.3329
Type of gen. func.: revogf

$$-\frac{-49 - 11 x + (81 x^2 + 1638 x + 2401)^{1/2}}{20 (-14 + x)}$$

Sequence: A175775
Score: 10.7662
Type of gen. func.: ogf

$$\frac{7 (20 x + 7)}{(10 x - 1) (x - 1)}$$

Sequence: A175775
Score: 11.9768
Type of gen. func.: lgdogf

$$-\frac{200 x^2 + 140 x - 97}{(x - 1) (20 x + 7) (10 x - 1)}$$

Sequence: A175775
Score: 5.6074
Type of gen. func.: ogf

$$(927 f(x) + 20440) (10 f(x) x^2 - 11 f(x) x + f(x) - 140 x - 49)$$

Sequence: A175775
Score: 6.18747
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 49, a(1) = 679\}$$

Sequence: A175776
Score: 11.4397
Type of gen. func.: ogf_with_Euler_transform]

$$(x - 1) x^5 + (x - 1) x^{13} + x^2 + x + 2$$

Sequence: A175776
Score: 5.74881
Type of gen. func.: ogf

$$x^4 (x + 1) (x^2 - x + 1) (x^6 - x^5 + x^4 - x^3 + x^2 - x + 1) / ((x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^8 - x^7 + x^5 - x^4 + x^3 - x + 1) (x - 1)^4)$$

Sequence: A175777
Score: 18.4151
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 - x^5 + x^2 + x + 2$$

Sequence: A175777
Score: 7.36741
Type of gen. func.: ogf

$$\frac{x^4 (x^2 - x + 1)}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^4}$$

Sequence: A175777
Score: 7.98782
Type of gen. func.: lgdogf

$$- \frac{9 x^9 - 7 x^8 + 11 x^7 + 3 x^6 + 3 x^5 + 3 x^4 + 3 x^3 + 3 x^2 + 2 x + 2}{(x - 1) (x + 1) (x^2 + 1) (x^2 - x + 1) (x^4 + 1)}$$

Sequence: A175780
Score: 16.8590
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} - x^9 + x^4 + x + 2$$

Sequence: A175780
Score: 5.88150
Type of gen. func.: ogf

$$\frac{x^5 (x^4 - x^3 + x^2 - x + 1)}{(x + 1)^2 (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^4}$$

Sequence: A175782
Score: 9.42030
Type of gen. func.: lgdogf

$$- \frac{39 x^{21} + 302 x^{20} - 361 x^{19} + 19 x - 20}{39 x^{22} - 98 x^{21} + 97 x^{20} - 39 x^{19} + 19 x^2 - 39 x + 20}$$

Sequence: A175784
Score: 6.99461
Type of gen. func.: ogf

$$-\frac{4 (2 x^9 + x^8 - x^6 - 2 x^5 - 7 x^4 - 6 x^3 - x^2 - 4 x - 3)}{(x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2}$$

Sequence: A175790
Score: 15.2478
Type of gen. func.: lgdogf

$$-\frac{5 x^4 + 8 x^3 + 3 x^2 - 1}{(x + 1) (x^4 + x^3 - 1)}$$

Sequence: A175790
Score: 16.0760
Type of gen. func.: ogf

$$-\frac{1}{(x + 1) (x^4 + x^3 - 1)}$$

Sequence: A175805
Score: 15.8901
Type of gen. func.: ogf

$$\{a(n + 1) - 2 a(n), a(0) = 21\}$$

Sequence: A175805
Score: 20.0518
Type of gen. func.: ogf

$$-2 f(x) x + f(x) - 21$$

Sequence: A175805
Score: 31.8581
Type of gen. func.: revegf]

$$-1/2 \ln(21) + 1/2 \ln(21 + 2 x)$$

Sequence: A175805
Score: 32.3913
Type of gen. func.: ogf

$$-\frac{21}{2x-1}$$

Sequence: A175805
Score: 75.3011
Type of gen. func.: lgdogf

$$-\frac{2}{2x-1}$$

Sequence: A175806
Score: 15.1614
Type of gen. func.: ogf

$$\{a(n+1) - 2\,a(n),\ a(0) = 27\}$$

Sequence: A175806
Score: 19.1322
Type of gen. func.: ogf

$$-2 f(x) x + f(x) - 27$$

Sequence: A175806
Score: 30.9059
Type of gen. func.: ogf

$$-\frac{27}{2x-1}$$

Sequence: A175806
Score: 31.5927
Type of gen. func.: revegf]

$$-3/2 \ln(3) + 1/2 \ln(27 + 2x)$$

Sequence: A175806
Score: 71.8016
Type of gen. func.: lgdogf

$$-\frac{2}{2x-1}$$

Sequence: A175812
Score: 11.0615
Type of gen. func.: lgdogf

$$-\frac{3x^7+5x^6+6x^5+6x^4+11x^3+9x^2+6x+2}{(x-1)(x+1)(x^2+x+1)(x^4+1)}$$

Sequence: A175812
Score: 11.5262
Type of gen. func.: ogf

$$\frac{x(x^4+1)}{(x^2+x+1)(x+1)(x-1)^4}$$

Sequence: A175812
Score: 20.4188
Type of gen. func.: ogf_with_Euler_transform]

$$-x^7+x^3+x^2+x+2$$

Sequence: A175822
Score: 14.6186
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9+x^6-x^5+x^4+x^2+x+2$$

Sequence: A175822

Score: 6.86459
Type of gen. func.: ogf

$$\frac{x (x + 1) (x^2 - x + 1) (x^4 - x^3 + x^2 - x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^4}$$

Sequence: A175824
Score: 10.4020
Type of gen. func.: ogf

$$\frac{255 x}{(256 x - 1) (x - 1)}$$

Sequence: A175824
Score: 15.1665
Type of gen. func.: lgdogf

$$- \frac{-257 + 512 x}{(256 x - 1) (x - 1)}$$

Sequence: A175824
Score: 5.14120
Type of gen. func.: ogf

$$\{a(n + 2) - 257 a(n + 1) + 256 a(n), a(0) = 0, a(1) = 255\}$$

Sequence: A175824
Score: 6.19478
Type of gen. func.: revogf

$$- \frac{-255 - 257 x + (15 x + 17)^{1/2} (17 x + 15)^{1/2} 17^{1/2} 15^{1/2}}{512 x}$$

Sequence: A175824
Score: 6.88128
Type of gen. func.: ogf

2

$$-256 f(x) x + 257 f(x) x - f(x) + 255 x$$

Sequence: A175825
Score: 11.5181
Type of gen. func.: ogf

$$\frac{128 x + 127}{(256 x - 1) (x - 1)}$$

Sequence: A175825
Score: 5.75904
Type of gen. func.: ogf

$$(8356095 f(x) + 12452224) (256 f(x) x^2 - 257 f(x) x + f(x) - 128 x - 127)$$

Sequence: A175825
Score: 6.63541
Type of gen. func.: ogf

$$\{-a(n + 2) + 257 a(n + 1) - 256 a(n), a(0) = 127, a(1) = 32767\}$$

Sequence: A175825
Score: 6.83401
Type of gen. func.: revogf

$$-\frac{-127 - 257 x + (65025 x^2 + 65790 x + 16129)^{1/2}}{256 (2 x - 1)}$$

Sequence: A175825
Score: 7.45529
Type of gen. func.: lgdogf

$$-\frac{32768 x^2 + 65024 x - 32767}{(x - 1) (256 x - 1) (128 x + 127)}$$

Sequence: A175826

Score: 10.9985
Type of gen. func.: lgdogf

$$-\frac{3x^7 - x^6 + 5x^5 - 3x^4 + 8x^3 + 2x + 2}{(x-1)(x+1)(x^2+1)(x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A175826
Score: 20.0372
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9 + x^4 + x^3 + x + 2$$

Sequence: A175826
Score: 7.30694
Type of gen. func.: ogf

$$\frac{x(x^4 - x^3 + x^2 - x + 1)}{(x+1)(x^2+1)(x-1)^4}$$

Sequence: A175827
Score: 6.37761
Type of gen. func.: ogf

$$\frac{x(x^{10} - x^9 + x^7 + x^3 - x + 1)}{(x+1)(x^4 + x^3 + x^2 + x + 1)(x^4 - x^3 + x^2 - x + 1)(x-1)^4}$$

Sequence: A175828
Score: 10.5943
Type of gen. func.: lgdogf

$$-\frac{2(x^5 + 10x^4 + 25x^3 + 21x^2 + 14x + 1)}{(x-1)(x+1)(2x^4 + 9x^3 + 11x^2 + x + 1)}$$

Sequence: A175828
Score: 8.39043
Type of gen. func.: ogf

$$-\frac{2x^4+9x^3+11x^2+x+1}{(x+1)^2(x-1)^3}$$

Sequence: A175829
Score: 13.1470
Type of gen. func.: ogf_with_Euler_transform]

$$-(x^2-x+1)(x^9-x^2-2x-2)$$

Sequence: A175829
Score: 6.34665
Type of gen. func.: ogf

$$\frac{x(x+1)(x^2-x+1)(x^4-x^3+x^2-x+1)(x^4-x^2+1)}{(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^4}$$

Sequence: A175831
Score: 10.6266
Type of gen. func.: lgdogf

$$-\frac{3x^7+5x^6+x^5-x^4+5x^3+5x^2+4x+2}{(x-1)(x+1)(x^2+x+1)(x^4-x^2+1)}$$

Sequence: A175831
Score: 17.2639
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{11}+x^5+x^3+x^2+2$$

Sequence: A175831
Score: 9.85384

Type of gen. func.: ogf

$$\frac{x\,(x^4 - x^2 + 1)}{(x^2 + x + 1)\,(x + 1)\,(x - 1)^4}$$

Sequence: A175833
Score: 10.4543
Type of gen. func.: ogf

$$-(11321\,f(x) + 56365)\,(f(x)\,x^3 + 11\,x^2 - f(x) + 7\,x + 4)$$

Sequence: A175833
Score: 11.9478
Type of gen. func.: ogf

$$\{a(n + 3) - a(n),\ a(0) = 4,\ a(1) = 7,\ a(2) = 11\}$$

Sequence: A175833
Score: 14.7888
Type of gen. func.: lgdogf

$$-\frac{11\,x^4 + 14\,x^3 + 12\,x^2 + 22\,x + 7}{(x - 1)\,(x^2 + x + 1)\,(11\,x^2 + 7\,x + 4)}$$

Sequence: A175833
Score: 18.3995
Type of gen. func.: ogf

$$-\frac{11\,x^2 + 7\,x + 4}{(x - 1)\,(x^2 + x + 1)}$$

Sequence: A175842
Score: 4.85411
Type of gen. func.: ogf

$$x \left(x^{14} - x^{13} + x^{11} - x^{10} + x^{9} + x^{5} - x^{4} + x^{3} - x + 1\right) \Big/ \left((x + 1) \left(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1\right) \left(x^{6} - x^{5} + x^{4} - x^{3} + x^{2} - x + 1\right) (x - 1)^{4}\right)$$

Sequence: A175846
Score: 17.0088
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{13} + x^{6} + x^{4} + x^{2} + 2$$

Sequence: A175846
Score: 6.89795
Type of gen. func.: ogf

$$\frac{x (x + 1) \left(x^{6} - x^{5} + x^{4} - x^{3} + x^{2} - x + 1\right)}{\left(x^{4} + x^{3} + x^{2} + x + 1\right) \left(x^{2} + x + 1\right) (x - 1)^{4}}$$

Sequence: A175848
Score: 12.4932
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{11} - x^{9} + x^{7} + x^{5} + x^{4} + x^{3} + 2$$

Sequence: A175848
Score: 5.85272
Type of gen. func.: lgdogf

$$-\left(3 x^{15} - x^{14} + 7 x^{11} + 3 x^{10} + 3 x^{9} - 7 x^{8} + 16 x^{7} - 4 x^{6} + 3 x^{5} + 3 x^{4} + 4 x^{3} + 2\right) \Big/ \left((x - 1) (x + 1) \left(x^{2} + 1\right) \left(x^{4} - x^{3} + x^{2} - x + 1\right) \left(x^{4} + 1\right) \left(x^{4} - x^{2} + 1\right)\right)$$

Sequence: A175848
Score: 6.76958

Type of gen. func.: ogf

$$\frac{x (x^4 - x^3 + x^2 - x + 1) (x^4 - x^2 + 1)}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^4}$$

Sequence: A175852
Score: 5.13844
Type of gen. func.: ogf

$$- \frac{5 (1953125 x^6 + 78125 x^5 + 15625 x^4 + 625 x^3 + 125 x^2 + 5 x + 1)}{9765625 x^7 - 1}$$

Sequence: A175868
Score: 11.9844
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{13} - x^{11} + x^9 + x^6 + x^5 + x^3 + 2$$

Sequence: A175868
Score: 5.62106
Type of gen. func.: ogf

$$\frac{x (x^6 - x^5 + x^4 - x^3 + x^2 - x + 1) (x^4 - x^2 + 1)}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^4}$$

Sequence: A175870
Score: 6.54145
Type of gen. func.: lgdogf

$$- (3 x^{11} + 5 x^{10} + 7 x^9 + 3 x^8 + 2 x^7 - 2 x^6 + 6 x^5 + 4 x^4 + 8 x^3 + 6 x^2 + 4 x + 2) \Big/ ((x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1) (x^6 - x^3 + 1))$$

Sequence: A175870
Score: 6.64584
Type of gen. func.: ogf

$$\frac{x (x^6 - x^3 + 1)}{(x^2 + x + 1) (x + 1) (x^2 + 1) (x - 1)^4}$$

Sequence: A175884
Score: 10.8336
Type of gen. func.: ogf

$$\frac{x (3 x^4 + 2 x^3 + 3 x^2 + 2 x + 2)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A175884
Score: 8.16082
Type of gen. func.: lgdogf

$$- \frac{6 x^8 + 9 x^7 + 17 x^6 + 18 x^5 + 22 x^4 + 21 x^3 + 13 x^2 + 10 x + 4}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (3 x^4 + 2 x^3 + 3 x^2 + 2 x + 2)}$$

Sequence: A175885
Score: 13.4016
Type of gen. func.: ogf

$$\frac{x^2 + 9 x + 1}{(x - 1)^2 (x + 1)}$$

Sequence: A175885
Score: 17.8104
Type of gen. func.: lgdogf

$$- \frac{x^3 + 19 x^2 + 14 x + 10}{(x - 1) (x + 1) (x^2 + 9 x + 1)}$$

Sequence: A175885
Score: 7.17101
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 10, a(2) = 12\}$$

Sequence: A175885
Score: 7.17102
Type of gen. func.: ogf

$$(10 f(x) + 119) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - 9 x - 1)$$

Sequence: A175886
Score: 13.0607
Type of gen. func.: ogf

$$\frac{x^2 + 11 x + 1}{(x - 1)^2 (x + 1)}$$

Sequence: A175886
Score: 17.2567
Type of gen. func.: lgdogf

$$- \frac{x^3 + 23 x^2 + 16 x + 12}{(x - 1) (x + 1) (x^2 + 11 x + 1)}$$

Sequence: A175886
Score: 7.04142
Type of gen. func.: ogf

$$(35 f(x) + 477) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - 11 x - 1)$$

Sequence: A175886
Score: 7.10318

Type of gen. func.: ogf

$$\{a(n+3) - a(n+2) - a(n+1) + a(n),\ a(0) = 1,\ a(1) = 12,\ a(2) = 14\}$$

Sequence: A175887
Score: 13.1894
Type of gen. func.: ogf

$$\frac{x^{2} + 13\,x + 1}{(x-1)^{2}\,(x+1)}$$

Sequence: A175887
Score: 17.4301
Type of gen. func.: lgdogf

$$-\frac{x^{3} + 27\,x^{2} + 18\,x + 14}{(x-1)\,(x+1)\,(x^{2} + 13\,x + 1)}$$

Sequence: A175887
Score: 7.1108
Type of gen. func.: ogf

$$(27\,f(x) + 418)\,(f(x)\,x^{3} - f(x)\,x^{2} - f(x)\,x - x^{2} + f(x) - 13\,x - 1)$$

Sequence: A175887
Score: 7.17317
Type of gen. func.: ogf

$$\{a(n+3) - a(n+2) - a(n+1) + a(n),\ a(0) = 1,\ a(1) = 14,\ a(2) = 16\}$$

Sequence: A175895
Score: 19.2492
Type of gen. func.: revogf

$$\frac{x\,(x^{2} - 3\,x + 1)}{{}^{2}\qquad\qquad{}^{2}}$$

$$(x + x + 1) (x - 1)$$

Sequence: A175898
Score: 6.40216
Type of gen. func.: ogf

$$-\frac{x^6 + 3 x^5 + 9 x^4 + 9 x^3 + 9 x^2 + 3 x + 1}{(x + 1)^2 (x - 1)^5}$$

Sequence: A175898
Score: 8.18458
Type of gen. func.: lgdogf

$$-\frac{x^7 + 9 x^6 + 42 x^5 + 78 x^4 + 108 x^3 + 72 x^2 + 34 x + 6}{(x - 1) (x + 1) (x^6 + 3 x^5 + 9 x^4 + 9 x^3 + 9 x^2 + 3 x + 1)}$$

Sequence: A175899
Score: 11.9220
Type of gen. func.: ogf

$$-\frac{x (8 x^2 + 3 x + 2)}{2 x^4 + x^3 + x^2 - 1}$$

Sequence: A175899
Score: 11.9346
Type of gen. func.: lgdogf

$$-\frac{32 x^5 + 26 x^4 + 22 x^3 + 9 x^2 + 20 x + 3}{(8 x^2 + 3 x + 2) (2 x^4 + x^3 + x^2 - 1)}$$

Sequence: A175899
Score: 6.52873
Type of gen. func.: ogf

$$(937781 f(x) + 2747284)$$

$$(2 f(x) x^4 + f(x) x^3 + f(x) x^2 + 8 x^3 + 3 x^2 - f(x) + 2 x)$$

Sequence: A175912
Score: 13.6342
Type of gen. func.: revogf

$$\frac{-1 + 2 x + 4 x^2 + (4 x^3 - 4 x + 1)^{1/2}}{2 x (x + 1)}$$

Sequence: A175912
Score: 5.65796
Type of gen. func.: ogf

$$f(x)^2 x^3 - 4 f(x)^2 x^2 + 4 f(x)^2 x + f(x) x^2 - 2 f(x) x - f(x) + 1$$

Sequence: A175921
Score: 10.1627
Type of gen. func.: ogf

$$- \frac{x^4 - x^3 + 2 x^2 + 2 x + 1}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A175921
Score: 7.53264
Type of gen. func.: lgdogf

$$- \frac{x^8 - 2 x^7 + 6 x^6 + 8 x^5 + 5 x^4 + 4 x^3 - 3 x^2 + 4 x + 2}{(x - 1) (x^4 - x^3 + 2 x^2 + 2 x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A175922
Score: 12.6687
Type of gen. func.: ogf

4 3 2

$$-\frac{2 x - x + 2 x + x + 1}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A175922
Score: 9.23399
Type of gen. func.: lgdogf

$$-\frac{2 x^8 - 2 x^7 + 6 x^6 + 4 x^5 + 5 x^4 + 8 x^3 - 3 x^2 + 4 x + 1}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (2 x^4 - x^3 + 2 x^2 + x + 1)}$$

Sequence: A175925
Score: 10.6111
Type of gen. func.: egf]

$$-\frac{3 x + 1}{(x - 1)^3}$$

Sequence: A175925
Score: 16.6852
Type of gen. func.: revegf]

$$-\frac{-1 - 2 x + (8 x + 1)^{1/2}}{2 (x - 1)}$$

Sequence: A175925
Score: 25.0277
Type of gen. func.: lgdegf]

$$-\frac{6 (x + 1)}{(3 x + 1) (x - 1)}$$

Sequence: A175925
Score: 3.28882
Type of gen. func.: ogf

```
      2                               2
```

```
{(-3 n  - 15 n - 18) a(n + 1) + (-2 n  - 13 n - 30) a(n + 2)

     + (2 n + 6) a(n + 3), a(0) = 1, a(1) = 6, a(2) = 30}



-------------------------------------------------------------------------------

Sequence:  A175925
Score: 5.15952
Type of gen. func.: egf]


                                3           2
      (1040 f(x) - 2579) (f(x) x  - 3 f(x) x  + 3 f(x) x - f(x) + 3 x + 1)



-------------------------------------------------------------------------------

Sequence:  A175934
Score: 11.8136
Type of gen. func.: ogf


                          2           2
                     -f(x)  x - f(x) x  - f(x) x + f(x) - 1



-------------------------------------------------------------------------------

Sequence:  A175962
Score: 5.24334
Type of gen. func.: ogf


       2  3          2  2           3         2             2    2
-9 f(x)  x  + 12 f(x)  x  + 4 f(x) x  - 4 f(x)  x - 5 f(x) x  - x  + f(x) + 2 x

     - 1



-------------------------------------------------------------------------------

Sequence:  A175971
Score: 6.72605
Type of gen. func.: lgdogf


    10      9       8       7       6        5        4       3       2
- (x   + 2 x  + 27 x  + 96 x  + 37 x  + 186 x  + 173 x  + 32 x  + 75 x  + 18 x

            /            2
     + 1)  /  ((x - 1) (x  + x + 1)
          /

      8    7      6       5      4       3      2
    (x  + x  + 9 x  + 22 x  + 6 x  + 22 x  + 9 x  + x + 1))



-------------------------------------------------------------------------------

Sequence:  A175971
Score: 7.22057
Type of gen. func.: ogf


                 8    7      6       5      4       3      2
```

$$-\frac{16 (x + x + 9 x + 22 x + 6 x + 22 x + 9 x + x + 1)}{(x - 1)^{3} (x^{2} + x + 1)^{3}}$$

Sequence: A175976
Score: 10.4422
Type of gen. func.: ogf

$$-\frac{17 x^{2} - 10 x + 2}{(4 x - 1) (x - 1)^{2}}$$

Sequence: A175976
Score: 12.9029
Type of gen. func.: lgdogf

$$-\frac{2 (34 x^{3} - 6 x^{2} - 1)}{(x - 1) (4 x - 1) (17 x^{2} - 10 x + 2)}$$

Sequence: A175976
Score: 5.52821
Type of gen. func.: ogf

$$-(51 f(x) - 91) (4 f(x) x^{3} - 9 f(x) x^{2} + 6 f(x) x + 17 x^{2} - f(x) - 10 x + 2)$$

Sequence: A175976
Score: 5.82173
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 9 a(n + 1) - 4 a(n), a(0) = 2, a(1) = 2, a(2) = 11\}$$

Sequence: A176006
Score: 10.8492
Type of gen. func.: lgdogf

$$-\frac{x^{2} - 6 x + 1 + ((x^{2} - 6 x + 1) (x - 1)^{2})^{1/2}}{2}$$

$$(x - 6x + 1)(x - 1)$$

Sequence: A176006
Score: 3.79862
Type of gen. func.: ogf

$$\{a(n)\,n + (-7n - 9)\,a(n + 1) + (7n + 12)\,a(n + 2) + (-n - 3)\,a(n + 3),$$

$$a(0) = 1,\ a(1) = 2,\ a(2) = 4\}$$

Sequence: A176006
Score: 5.8896
Type of gen. func.: ogf

$$f(x)^2 x^2 - 2 f(x)^2 x - f(x) x^2 + f(x)^2 + 4 f(x) x - 3 f(x) + 2$$

Sequence: A176010
Score: 12.5627
Type of gen. func.: ogf

$$\frac{14x^2 + 69x + 14}{(x - 1)^2 (x + 1)}$$

Sequence: A176010
Score: 14.3400
Type of gen. func.: lgdogf

$$-\frac{14x^3 + 152x^2 + 139x + 83}{(x - 1)(x + 1)(14x^2 + 69x + 14)}$$

Sequence: A176010
Score: 6.64475
Type of gen. func.: ogf

$$(715 f(x) + 123451)(f(x) x^3 - f(x) x^2 - f(x) x - 14x^2 + f(x) - 69x - 14)$$

Sequence: A176010
Score: 6.93116
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 14, a(1) = 83, a(2) = 111\}$$

Sequence: A176027
Score: 10.9672
Type of gen. func.: ogf

$$\frac{x (-3 + 4 x)}{(2 x - 1)^3}$$

Sequence: A176027
Score: 23.1929
Type of gen. func.: lgdogf

$$- \frac{2 (-7 + 8 x)}{(2 x - 1) (-3 + 4 x)}$$

Sequence: A176027
Score: 5.62917
Type of gen. func.: ogf

$$-(3 f(x) - 13) (8 f(x) x^3 - 12 f(x) x^2 + 6 f(x) x - 4 x^2 - f(x) + 3 x)$$

Sequence: A176027
Score: 5.62918
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 12 a(n + 1) - 8 a(n), a(0) = 0, a(1) = 3, a(2) = 14\}$$

Sequence: A176037
Score: 4.45870
Type of gen. func.: ogf

$$\{(-n^3 - 9 n^2 - 26 n - 24) a(n + 1) + a(n + 2), a(0) = 2, a(1) = 12\}$$

Sequence: A176040
Score: 15.4890
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n), a(0) = 3, a(1) = 1\}$$

Sequence: A176040
Score: 20.2641
Type of gen. func.: revegf]

$$-\operatorname{arcsinh}\left(\frac{2^{1/2}}{4}\right) + \operatorname{arcsinh}\left(\frac{2^{1/2} (x + 1)}{4}\right)$$

Sequence: A176040
Score: 22.0287
Type of gen. func.: ogf

$$-f(x) x^2 + f(x) - x - 3$$

Sequence: A176040
Score: 24.1779
Type of gen. func.: ogf

$$-\frac{x + 3}{(x - 1) (x + 1)}$$

Sequence: A176040
Score: 32.4226
Type of gen. func.: lgdogf

$$-\frac{x^2 + 6 x + 1}{(x - 1) (x + 3) (x + 1)}$$

Sequence: A176059
Score: 14.1613
Type of gen. func.: ogf

$$(39 f(x) - 101) (f(x) x^2 - f(x) + 2 x + 3)$$

Sequence: A176059
Score: 15.4890
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n), a(0) = 3, a(1) = 2\}$$

Sequence: A176059
Score: 20.2641
Type of gen. func.: revegf]

$$-\operatorname{arcsinh}\left(\frac{2\, 5^{1/2}}{5}\right) + \operatorname{arcsinh}\left(\frac{5^{1/2} (x + 2)}{5}\right)$$

Sequence: A176059
Score: 24.1779
Type of gen. func.: ogf

$$-\frac{2 x + 3}{(x - 1) (x + 1)}$$

Sequence: A176059
Score: 28.6082
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + 3 x + 1)}{(x - 1) (2 x + 3) (x + 1)}$$

Sequence: A176060
Score: 21.7717
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 14 x + 13}{(x - 1) (x + 2) (x + 1)}$$

Sequence: A176060
Score: 3.77423
Type of gen. func.: ogf

$$\{(2 n + 6) a(n + 4) + (-11 + n) a(n + 3) + (-16 - 2 n) a(n + 2) + (-n - 3) a(n + 1), a(0) = 0, a(1) = 2, a(2) = 13, a(3) = 46\}$$

Sequence: A176060
Score: 9.04905
Type of gen. func.: ogf

$$-\frac{x (x + 2) (x + 1)}{(x - 1)^5}$$

Sequence: A176067
Score: 10.4540
Type of gen. func.: ogf

$$\frac{110 x^2 - 101 x + 1}{(100 x - 1) (x - 1)}$$

Sequence: A176067
Score: 6.01600
Type of gen. func.: ogf

$$\{-a(n + 3) + 101 a(n + 2) - 100 a(n + 1), a(0) = 1, a(1) = 0, a(2) = 10\}$$

Sequence: A176067
Score: 8.07209
Type of gen. func.: ogf

$$100 f(x) x^2 - 101 f(x) x - 110 x^2 + f(x) + 101 x - 1$$

Sequence: A176067
Score: 9.02559
Type of gen. func.: lgdogf

$$-\frac{10 x (-2 + 101 x)}{(x - 1) (100 x - 1) (110 x^2 - 101 x + 1)}$$

Sequence: A176085
Score: 11.6115
Type of gen. func.: lgdogf

$$-\frac{6 x^2 + 15 x - 4 + (-(4 x - 1) (2 x - 1)^2)^{1/2}}{(x^2 + 4 x - 1) (4 x - 1)}$$

Sequence: A176085
Score: 3.84239
Type of gen. func.: ogf

$$\{(-4 n - 6) a(n + 1) + (-15 n - 22) a(n + 2) + (8 n + 14) a(n + 3)$$
$$+ (-n - 2) a(n + 4), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 11\}$$

Sequence: A176085
Score: 6.26749
Type of gen. func.: ogf

$$4 f(x)^2 x^3 + 15 f(x)^2 x^2 - 8 f(x)^2 x + 8 f(x) x^2 + f(x)^2 - 2 f(x) x + x^2$$

Sequence: A176118
Score: 17.9275
Type of gen. func.: lgdegf]

$$-a(n) n + (-1 - n) a(n + 1), a(0) = -1, a(1) = -1$$

Sequence: A176126
Score: 12.2098
Type of gen. func.: lgdogf

$$-\frac{x^{10} - 2 x^9 - x^8 + 4 x^7 - 27 x^6 + 4 x^5 + 10 x^4 - 32 x^3 + 12 x^2 - 6 x + 1}{\quad{}^{2} \qquad {}^{4} \quad {}^{3} \quad {}^{2} \qquad\qquad {}^{4} \quad {}^{3} \quad {}^{2}}$$

$$(x - 1) (x + 1) (x - x + 3 x - x + 1) (x - x - 2 x - x + 1)$$

Sequence: A176126
Score: 8.92739
Type of gen. func.: ogf

$$\frac{(x^4 - x^3 + 3 x^2 - x + 1) (x^4 - x^3 - 2 x^2 - x + 1)}{(x - 1)^3 (x^2 + 1)^3}$$

Sequence: A176145
Score: 19.2542
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 6 x^2 - 6 x - 5}{(x - 1) (x^3 - 3 x^2 - 1)}$$

Sequence: A176145
Score: 4.52253
Type of gen. func.: ogf

$$\{(7 n^2 + 45 n + 62) a(n + 1) + (-11 n^2 - 39 n + 2) a(n + 2)$$

$$+ (4 n^2 + 6 n - 4) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 5\}$$

Sequence: A176145
Score: 9.64442
Type of gen. func.: ogf

$$\frac{x (x^3 - 3 x^2 - 1)}{(x - 1)^5}$$

Sequence: A176174
Score: 11.6551
Type of gen. func.: revogf

$$-\frac{-1 - 10 x + ((1 + 6 x) (1 + 10 x))^{1/2}}{2 (1 + 10 x)}$$

Sequence: A176174
Score: 12.1536
Type of gen. func.: ogf

$$-\frac{x - 1}{10 x^2 - 10 x + 1}$$

Sequence: A176174
Score: 14.7222
Type of gen. func.: lgdogf

$$-\frac{10 x^2 - 20 x + 9}{(x - 1) (10 x^2 - 10 x + 1)}$$

Sequence: A176174
Score: 6.41822
Type of gen. func.: ogf

$$(70 f(x) + 11) (10 f(x) x^2 - 10 f(x) x + f(x) + x - 1)$$

Sequence: A176174
Score: 6.80025
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A176177
Score: 17.7028
Type of gen. func.: ogf

$$-\frac{x (x + 1)}{(x - 1) (3 x - 1)^2}$$

Sequence: A176177
Score: 26.7490
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^2 + 3 x - 4)}{(x - 1) (3 x - 1) (x + 1)}$$

Sequence: A176177
Score: 8.77575
Type of gen. func.: ogf

$$-(4704 f(x) - 943) (9 f(x) x^3 - 15 f(x) x^2 + 7 f(x) x + x^2 - f(x) + x)$$

Sequence: A176177
Score: 9.16750
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 15 a(n + 1) - 9 a(n), a(0) = 0, a(1) = 1, a(2) = 8\}$$

Sequence: A176222
Score: 14.4184
Type of gen. func.: ogf

$$\frac{x (x - 3)}{(x + 1) (x - 1)^3}$$

Sequence: A176222
Score: 21.1249
Type of gen. func.: lgdogf

$$- \frac{3 x^2 - 10 x - 5}{(x - 1) (x - 3) (x + 1)}$$

Sequence: A176222
Score: 4.17183

Type of gen. func.: ogf

$$\{(9 + 3 n) a(n + 4) + (-7 - n) a(n + 3) + (-13 - 3 n) a(n + 2) + (n + 3) a(n + 1), a(0) = 0, a(1) = 3, a(2) = 5, a(3) = 10\}$$

Sequence: A176222
Score: 7.20921
Type of gen. func.: ogf

$$(4152 f(x) - 12515) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x - x^2 - f(x) + 3 x)$$

Sequence: A176260
Score: 15.4890
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n), a(0) = 5, a(1) = 1\}$$

Sequence: A176260
Score: 19.4536
Type of gen. func.: revegf]

$$-\operatorname{arcsinh}\left(\frac{6^{1/2}}{12}\right) + \operatorname{arcsinh}\left(\frac{6^{1/2} (x + 1)}{12}\right)$$

Sequence: A176260
Score: 22.0287
Type of gen. func.: ogf

$$-f(x) x^2 + f(x) - x - 5$$

Sequence: A176260
Score: 24.1779
Type of gen. func.: ogf

$$-\frac{x + 5}{(x - 1) (x + 1)}$$

Sequence: A176260
Score: 31.3767
Type of gen. func.: lgdogf

$$-\frac{x^2 + 10 x + 1}{(x + 5) (x - 1) (x + 1)}$$

Sequence: A176271
Score: 10.8318
Type of gen. func.: ogf

{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 3}

Sequence: A176271
Score: 14.0985
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + x + 1$$

Sequence: A176271
Score: 19.7379
Type of gen. func.: ogf

$$\frac{x + 1}{(x - 1)^2}$$

Sequence: A176271
Score: 26.4075
Type of gen. func.: revogf

$$-\frac{-1 - 2 x + (8 x + 1)^{1/2}}{2 (x - 1)}$$

Sequence: A176271
Score: 42.1415
Type of gen. func.: ogf_with_Euler_transform]

$$[3 - x]$$

Sequence: A176271
Score: 48.4137
Type of gen. func.: lgdogf

$$-\frac{x + 3}{(x - 1)(x + 1)}$$

Sequence: A176280
Score: 20.1650
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^2 + 3 x - 1)}{(4 x - 1)(x^2 + 4 x - 1)}$$

Sequence: A176280
Score: 3.77680
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-26 - 8 n) a(n + 3) + (36 + 15 n) a(n + 2) + (10 + 4 n) a(n + 1), a(0) = 1, a(1) = 2, a(2) = 7, a(3) = 26\}$$

Sequence: A176280
Score: 7.29939
Type of gen. func.: ogf

$$-f(x)^2 x^4 - 8 f(x)^2 x^3 - 14 f(x)^2 x^2 + 8 f(x)^2 x - f(x)^2 - 4 x + 1$$

Sequence: A176281
Score: 5.26019
Type of gen. func.: ogf

$$\{-a(n + 3) + 8 a(n + 2) - 16 a(n + 1) + 8 a(n), a(0) = 1, a(1) = 3, a(2) = 12\}$$

Sequence: A176281
Score: 5.30675
Type of gen. func.: ogf

$$(11 f(x) + 7) (8 f(x) x^3 - 16 f(x) x^2 + 8 f(x) x + 4 x^2 - f(x) - 5 x + 1)$$

Sequence: A176281
Score: 8.76564
Type of gen. func.: lgdogf

$$- \frac{32 x^4 - 80 x^3 + 72 x^2 - 24 x + 3}{(x - 1) (4 x - 1) (2 x - 1) (4 x^2 - 6 x + 1)}$$

Sequence: A176281
Score: 9.67197
Type of gen. func.: ogf

$$- \frac{(4 x - 1) (x - 1)}{(2 x - 1) (4 x^2 - 6 x + 1)}$$

Sequence: A176287
Score: 4.88792
Type of gen. func.: ogf

$$-4 f(x)^2 x^4 + f(x)^2 x^3 + 4 f(x)^2 x^2 - 5 f(x)^2 x - 4 f(x) x^2 + f(x)^2 + f(x) x - 1$$

Sequence: A176288
Score: 10.3611
Type of gen. func.: lgdogf

$$- \frac{32 x^4 - 88 x^3 + 12 x^2 + 3 x + 3}{(4 x^2 - 3 x + 1) (8 x^3 - 14 x^2 + 3 x - 1)}$$

Sequence: A176288

Score: 4.22079
Type of gen. func.: ogf

$$(14210 f(x) + 242883) (16 f(x) x^4 - 24 f(x) x^3 + 17 f(x) x^2 + 8 x^3 - 6 f(x) x - 14 x^2 + f(x) + 3 x - 1)$$

Sequence: A176288
Score: 7.81627
Type of gen. func.: ogf

$$- \frac{8 x^3 - 14 x^2 + 3 x - 1}{(4 x^2 - 3 x + 1)^2}$$

Sequence: A176290
Score: 3.43806
Type of gen. func.: ogf

$$(991368 f(x) - 44843) (f(x) x^4 - 10 f(x) x^3 + 27 f(x) x^2 + x^3 - 10 f(x) x - 4 x^2 + f(x) + 8 x - 1)$$

Sequence: A176290
Score: 6.40338
Type of gen. func.: ogf

$$- \frac{x^3 - 4 x^2 + 8 x - 1}{(x^2 - 5 x + 1)^2}$$

Sequence: A176290
Score: 9.89661
Type of gen. func.: lgdogf

$$- \frac{x^4 - 3 x^3 + 21 x^2 - 36 x + 2}{(x^2 - 5 x + 1) (x^3 - 4 x^2 + 8 x - 1)}$$

Sequence: A176303
Score: 11.4289
Type of gen. func.: ogf

$$\frac{252 x^{8} + 2 x^{7} - 253 x + 126}{(2 x - 1) (x - 1)}$$

Sequence: A176303
Score: 8.08333
Type of gen. func.: lgdogf

$$\frac{3024 x^{9} - 5272 x^{8} + 1980 x^{7} + 14 x^{6} + 506 x^{2} - 504 x + 125}{(x - 1) (2 x - 1) (252 x^{8} + 2 x^{7} - 253 x + 126)}$$

Sequence: A176326
Score: 7.34573
Type of gen. func.: lgdogf

$$- \frac{14 x^{7} + 14 x^{6} + 24 x^{5} + 26 x^{4} - 17 x^{3} - 18 x^{2} - 22 x - 9}{(x - 1) (x^{2} + x + 1) (14 x^{5} + 7 x^{4} + 8 x^{3} - 11 x^{2} - 9 x - 7)}$$

Sequence: A176326
Score: 7.79405
Type of gen. func.: ogf

$$- \frac{14 x^{5} + 7 x^{4} + 8 x^{3} - 11 x^{2} - 9 x - 7}{(x - 1)^{2} (x^{2} + x + 1)^{2}}$$

Sequence: A176332
Score: 10.8023
Type of gen. func.: lgdogf

$$\frac{-6 x^{2} + 9 x - 5 + (-(4 x - 1) (x + 1)^{2})^{1/2}}{(x^{2} - 2 x + 2) (4 x - 1)}$$

Sequence: A176332
Score: 5.91103
Type of gen. func.: ogf

$$-4 f(x)^2 x^3 + 9 f(x)^2 x^2 - 10 f(x)^2 x + 2 f(x)^2 + 4 f(x) x - f(x) - 1$$

Sequence: A176333
Score: 13.6840
Type of gen. func.: ogf

$$-\frac{3 x - 1}{9 x^2 - 4 x + 1}$$

Sequence: A176333
Score: 15.4372
Type of gen. func.: revogf

$$-\frac{-1 - 4 x + (-20 x^2 - 4 x + 1)^{1/2}}{6 (3 x + 1)}$$

Sequence: A176333
Score: 16.6247
Type of gen. func.: lgdogf

$$-\frac{27 x^2 - 18 x + 1}{(3 x - 1) (9 x^2 - 4 x + 1)}$$

Sequence: A176333
Score: 7.07793
Type of gen. func.: ogf

$$(16 f(x) - 15) (9 f(x) x^2 - 4 f(x) x + f(x) + 3 x - 1)$$

Sequence: A176333
Score: 7.50952
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + 9 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A176355
Score: 15.4890
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n), a(0) = 6, a(1) = 1\}$$

Sequence: A176355
Score: 18.7053
Type of gen. func.: revegf]

$$-\operatorname{arcsinh}\left(\frac{35^{1/2}}{35}\right) + \operatorname{arcsinh}\left(\frac{35^{1/2} (x + 1)}{35}\right)$$

Sequence: A176355
Score: 22.0287
Type of gen. func.: ogf

$$-f(x) x^2 + f(x) - x - 6$$

Sequence: A176355
Score: 24.1779
Type of gen. func.: ogf

$$- \frac{x + 6}{(x - 1) (x + 1)}$$

Sequence: A176355
Score: 31.3767
Type of gen. func.: lgdogf

$$- \frac{x^2 + 12 x + 1}{(x - 1) (x + 6) (x + 1)}$$

Sequence: A176367
Score: 11.3121
Type of gen. func.: ogf

$$\frac{8 x}{x^2 - 126 x + 1}$$

Sequence: A176367
Score: 18.0615
Type of gen. func.: lgdogf

$$-\frac{2 (-63 + x)}{x^2 - 126 x + 1}$$

Sequence: A176367
Score: 5.31531
Type of gen. func.: ogf

$$\{a(n + 2) - 126 a(n + 1) + a(n), a(0) = 0, a(1) = 8\}$$

Sequence: A176367
Score: 7.23232
Type of gen. func.: ogf

$$-f(x) x^2 + 126 f(x) x - f(x) + 8 x$$

Sequence: A176367
Score: 8.33609
Type of gen. func.: revogf

$$-\frac{-63 x - 4 + 2 (31 x + 2)^{1/2} (1 + 16 x)^{1/2} 2^{1/2}}{x}$$

Sequence: A176368

Score: 10.2355
Type of gen. func.: lgdogf

$$-\frac{129 x^2 - 2 x + 129}{(129 x - 1) (x^2 - 258 x + 1)}$$

Sequence: A176368
Score: 4.35474
Type of gen. func.: ogf

$$-(33280 f(x) - 16639) (f(x) x^2 - 258 f(x) x + f(x) + 129 x - 1)$$

Sequence: A176368
Score: 5.11429
Type of gen. func.: ogf

$$\{a(n + 2) - 258 a(n + 1) + a(n), a(0) = 1, a(1) = 129\}$$

Sequence: A176368
Score: 8.97610
Type of gen. func.: ogf

$$-\frac{129 x - 1}{x^2 - 258 x + 1}$$

Sequence: A176369
Score: 10.3745
Type of gen. func.: ogf

$$\frac{16 x}{x^2 - 258 x + 1}$$

Sequence: A176369
Score: 16.3010
Type of gen. func.: lgdogf

$$2 (-129 + x)$$

$$-\frac{}{x^{2} - 258 x + 1}$$

Sequence: A176369
Score: 4.94024
Type of gen. func.: ogf

$$\{a(n + 2) - 258 a(n + 1) + a(n), a(0) = 0, a(1) = 16\}$$

Sequence: A176369
Score: 6.69322
Type of gen. func.: ogf

$$-f(x) x^{2} + 258 f(x) x - f(x) + 16 x$$

Sequence: A176369
Score: 9.05612
Type of gen. func.: revogf

$$-\frac{-8 - 129 x + 4 (65 x + 4)^{1/2} (1 + 16 x)^{1/2}}{x}$$

Sequence: A176370
Score: 11.8382
Type of gen. func.: lgdogf

$$-\frac{65 x^{2} - 2 x + 65}{(65 x - 1) (x^{2} - 130 x + 1)}$$

Sequence: A176370
Score: 4.81582
Type of gen. func.: ogf

$$-(8448 f(x) - 4223) (f(x) x^{2} - 130 f(x) x + f(x) + 65 x - 1)$$

Sequence: A176370
Score: 5.55236
Type of gen. func.: ogf

$$\{a(n + 2) - 130 a(n + 1) + a(n), a(0) = 1, a(1) = 65\}$$

Sequence: A176370
Score: 9.83231
Type of gen. func.: ogf

$$- \frac{65 x - 1}{x^2 - 130 x + 1}$$

Sequence: A176372
Score: 11.3778
Type of gen. func.: ogf

$$\frac{8 x}{x^2 - 130 x + 1}$$

Sequence: A176372
Score: 18.1684
Type of gen. func.: lgdogf

$$- \frac{2 (-65 + x)}{x^2 - 130 x + 1}$$

Sequence: A176372
Score: 5.34622
Type of gen. func.: ogf

$$\{a(n + 2) - 130 a(n + 1) + a(n), a(0) = 0, a(1) = 8\}$$

Sequence: A176372
Score: 7.27436
Type of gen. func.: ogf

2

$$-f(x) x + 130 f(x) x - f(x) + 8 x$$

Sequence: A176372
Score: 8.38541
Type of gen. func.: revogf

$$-\frac{-65 x - 4 + 2 (33 x + 2)^{1/2} (1 + 16 x)^{1/2} 2^{1/2}}{x}$$

Sequence: A176373
Score: 3.68752
Type of gen. func.: ogf

$$-(2385540963 f(x) - 1192770481) (f(x) x^{2} - 97684 f(x) x + f(x) + 48842 x - 1)$$

Sequence: A176373
Score: 7.98605
Type of gen. func.: revogf

$$-\frac{-1 - 97684 x + (9542163852 x^{2} + 1)^{1/2}}{2 (48842 + x)}$$

Sequence: A176374
Score: 6.1256
Type of gen. func.: ogf

$$-f(x) x^{2} + 97684 f(x) x - f(x) + 5967 x$$

Sequence: A176375
Score: 3.28594
Type of gen. func.: ogf

$$-(120901248 f(x) - 60450623) (f(x) x^{2} - 15550 f(x) x + f(x) + 7775 x - 1)$$

Sequence: A176376

Score: 3.93494
Type of gen. func.: ogf

$$-f(x) x^{2} + 15550 f(x) x - f(x) + 936 x$$

Sequence: A176377
Score: 11.4188
Type of gen. func.: lgdogf

$$-\frac{251 x^{2} - 2 x + 251}{(251 x - 1) (x^{2} - 502 x + 1)}$$

Sequence: A176377
Score: 4.79928
Type of gen. func.: ogf

$$-(126000 f(x) - 62999) (f(x) x^{2} - 502 f(x) x + f(x) + 251 x - 1)$$

Sequence: A176377
Score: 5.69217
Type of gen. func.: ogf

$$\{a(n + 2) - 502 a(n + 1) + a(n), a(0) = 1, a(1) = 251\}$$

Sequence: A176377
Score: 9.99035
Type of gen. func.: ogf

$$-\frac{251 x - 1}{x^{2} - 502 x + 1}$$

Sequence: A176378
Score: 11.4927
Type of gen. func.: ogf

$$\frac{30 x}{{}^{2}}$$

$$x - 502 x + 1$$

Sequence: A176378
Score: 18.0901
Type of gen. func.: lgdogf

$$-\frac{2 (-251 + x)}{x^2 - 502 x + 1}$$

Sequence: A176378
Score: 5.47271
Type of gen. func.: ogf

$$\{a(n + 2) - 502 a(n + 1) + a(n), a(0) = 0, a(1) = 30\}$$

Sequence: A176378
Score: 7.41464
Type of gen. func.: ogf

$$-f(x) x^2 + 502 f(x) x - f(x) + 30 x$$

Sequence: A176378
Score: 7.53756
Type of gen. func.: revogf

$$-\frac{-15 - 251 x + (84 x + 5)^{1/2} (50 x + 3)^{1/2} 5^{1/2} 3^{1/2}}{x}$$

Sequence: A176380
Score: 3.11273
Type of gen. func.: ogf

$$-(12110399 f(x) - 6055199) (f(x) x^2 - 6960 f(x) x + f(x) + 3480 x - 1)$$

Sequence: A176380
Score: 7.11708

Type of gen. func.: lgdogf

$$-\frac{2\,(1740\,x^2 - x + 1740)}{(3480\,x - 1)\,(x^2 - 6960\,x + 1)}$$

Sequence: A176381
Score: 11.4744
Type of gen. func.: lgdogf

$$-\frac{2\,(-3480 + x)}{x^2 - 6960\,x + 1}$$

Sequence: A176381
Score: 4.94376
Type of gen. func.: ogf

$$-f(x)\,x^2 + 6960\,f(x)\,x - f(x) + 413\,x$$

Sequence: A176386
Score: 3.10434
Type of gen. func.: ogf

$$-(27365200\,f(x) - 13682599)\,(f(x)\,x^2 - 7398\,f(x)\,x + f(x) + 3699\,x - 1)$$

Sequence: A176386
Score: 7.16485
Type of gen. func.: lgdogf

$$-\frac{3699\,x^2 - 2\,x + 3699}{(3699\,x - 1)\,(x^2 - 7398\,x + 1)}$$

Sequence: A176387
Score: 11.5557
Type of gen. func.: lgdogf

$$-\frac{2\,(-3699+x)}{x^2-7398\,x+1}$$

Sequence: A176387
Score: 4.97809
Type of gen. func.: ogf

$$-f(x)\,x^2+7398\,f(x)\,x-f(x)+430\,x$$

Sequence: A176409
Score: 8.19698
Type of gen. func.: ogf

$$\frac{3\,x^8+3\,x^7+x^6+2\,x^5+3\,x^4+2\,x^3+x^2+3\,x+3}{(x^2+x+1)\,(x^6+x^3+1)\,(x-1)^2}$$

Sequence: A176413
Score: 12.1126
Type of gen. func.: ogf

$$\{a(n+1)-3\,a(n),\ a(0)=19\}$$

Sequence: A176413
Score: 15.2849
Type of gen. func.: ogf

$$-3\,f(x)\,x+f(x)-19$$

Sequence: A176413
Score: 24.2021
Type of gen. func.: revegf]

$$-1/3\,\ln(19)+1/3\,\ln(19+3\,x)$$

Sequence: A176413
Score: 24.6910

Type of gen. func.: ogf

$$-\frac{19}{3x-1}$$

Sequence: A176413
Score: 57.2049
Type of gen. func.: lgdogf

$$-\frac{3}{3x-1}$$

Sequence: A176414
Score: 13.6188
Type of gen. func.: ogf

$$2 f(x) x + f(x) - 8 x - 7$$

Sequence: A176414
Score: 16.5635
Type of gen. func.: ogf

$$\frac{7+8x}{2x+1}$$

Sequence: A176414
Score: 17.4736
Type of gen. func.: revogf

$$-7/16 + x/8 + \frac{(4x^2 + 4x + 49)^{1/2}}{16}$$

Sequence: A176414
Score: 35.9179
Type of gen. func.: lgdogf

$$-\frac{6}{(7+8x)(2x+1)}$$

Sequence: A176414
Score: 8.51179
Type of gen. func.: ogf

$$\{-a(n + 2) - 2 a(n + 1), a(0) = 7, a(1) = -6\}$$

Sequence: A176415
Score: 15.4890
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n), a(0) = 7, a(1) = 1\}$$

Sequence: A176415
Score: 19.4536
Type of gen. func.: revegf]

$$-\operatorname{arcsinh}\left(\frac{3^{1/2}}{12}\right) + \operatorname{arcsinh}\left(\frac{3^{1/2} (x + 1)}{12}\right)$$

Sequence: A176415
Score: 22.0287
Type of gen. func.: ogf

$$-f(x) x^2 + f(x) - x - 7$$

Sequence: A176415
Score: 24.1779
Type of gen. func.: ogf

$$- \frac{x + 7}{(x - 1) (x + 1)}$$

Sequence: A176415
Score: 31.3767
Type of gen. func.: lgdogf

2

$$-\frac{x + 14 x + 1}{(x - 1) (x + 7) (x + 1)}$$

Sequence: A176447
Score: 13.9760
Type of gen. func.: ogf

$$\frac{x (x^2 - x + 1)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A176447
Score: 25.7485
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^2 + 3 x - 1$$

Sequence: A176447
Score: 7.41336
Type of gen. func.: ogf

$$\{(n + 3) a(n + 1) + (-1 - n) a(n + 3), a(0) = 0, a(1) = 1, a(2) = -1\}$$

Sequence: A176447
Score: 8.44095
Type of gen. func.: ogf

$$-(f(x) + 1) (f(x) x^4 - 2 f(x) x^2 - x^3 + x^2 + f(x) - x)$$

Sequence: A176448
Score: 15.4188
Type of gen. func.: ogf

$$-\frac{3 x - 5}{(2 x - 1) (x - 1)}$$

Sequence: A176448
Score: 16.5912
Type of gen. func.: revogf

$$-\frac{-5 - 3 x + (x^2 + 18 x + 25)^{1/2}}{2 (2 x + 3)}$$

Sequence: A176448
Score: 17.4421
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^2 - 10 x + 6)}{(3 x - 5) (x - 1) (2 x - 1)}$$

Sequence: A176448
Score: 8.16287
Type of gen. func.: ogf

$$(f(x) + 4) (2 f(x) x^2 - 3 f(x) x + f(x) + 3 x - 5)$$

Sequence: A176448
Score: 8.35958
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 5, a(1) = 12\}$$

Sequence: A176449
Score: 14.6665
Type of gen. func.: ogf

$$-\frac{5 x - 7}{(2 x - 1) (x - 1)}$$

Sequence: A176449
Score: 15.7688
Type of gen. func.: revogf

$$-7 - 3 x + (x^2 + 22 x + 49)^{1/2}$$

$$- \frac{}{2 (5 + 2 x)}$$

Sequence: A176449
Score: 16.5775
Type of gen. func.: lgdogf

$$- \frac{2 (5 x - 4) (x - 2)}{(x - 1) (2 x - 1) (5 x - 7)}$$

Sequence: A176449
Score: 7.6743
Type of gen. func.: ogf

$$(5 f(x) + 29) (2 f(x) x^2 - 3 f(x) x + f(x) + 5 x - 7)$$

Sequence: A176449
Score: 7.95170
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 7, a(1) = 16\}$$

Sequence: A176476
Score: 6.24468
Type of gen. func.: ogf

$$(172 f(x) + 57) (f(x) x^4 - 5 f(x) x^3 + 9 f(x) x^2 - 6 f(x) x + f(x) - x)$$

Sequence: A176476
Score: 7.40657
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 15 x^2 + 18 x - 6}{(x - 1) (x^3 - 4 x^2 + 5 x - 1)}$$

Sequence: A176476

Score: 7.49137
Type of gen. func.: ogf

$$\frac{1}{(x-1)(x^3-4x^2+5x-1)}$$

Sequence: A176479
Score: 16.4855
Type of gen. func.: lgdogf

$$-\frac{x-3+(x^2-6x+1)^{1/2}}{x^2-6x+1}$$

Sequence: A176479
Score: 4.86179
Type of gen. func.: ogf

$$\{(-n^2-2n)a(n)+(6n^2+15n+9)a(n+1)+(-n^2-3n-2)a(n+2),$$
$$a(0)=1,\ a(1)=2\}$$

Sequence: A176479
Score: 6.67391
Type of gen. func.: ogf

$$-2f(x)^2x^2+12f(x)^2x+f(x)x^2-2f(x)^2-6f(x)x+f(x)+1$$

Sequence: A176513
Score: 10.4195
Type of gen. func.: ogf

$$\frac{(x^2+x+1)(x-1)(x+1)}{x^5+x^3+x^2-1}$$

Sequence: A176513
Score: 6.39178

Type of gen. func.: ogf

$$(2 f(x) - 3) (f(x) x^5 + f(x) x^3 - x^4 + f(x) x^2 - x^3 - f(x) + x + 1)$$

Sequence: A176513
Score: 8.98175
Type of gen. func.: lgdogf

$$- \frac{x^8 + 2 x^7 - x^6 - 6 x^5 - 6 x^4 + 2 x^3 - x^2 - 2 x - 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^5 + x^3 + x^2 - 1)}$$

Sequence: A176514
Score: 12.1924
Type of gen. func.: ogf

$$- \frac{x^5 + 2 x^4 + 3 x^3 + x^2 + x + 3}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A176514
Score: 7.26492
Type of gen. func.: lgdogf

$$- \frac{x^{10} + 4 x^9 + 9 x^8 + 4 x^7 + 5 x^6 + 18 x^5 + 5 x^4 + 8 x^3 + 9 x^2 + 2 x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^5 + 2 x^4 + 3 x^3 + x^2 + x + 3)}$$

Sequence: A176542
Score: 10.5571
Type of gen. func.: lgdogf

$$- \frac{4 x^5 - 2 x^4 - 11 x^3 + 19 x^2 + 73 x + 25}{(x - 1) (x + 1) (4 x^4 - 3 x^3 - 8 x^2 + 9 x + 16)}$$

Sequence: A176542

Score: 8.40638
Type of gen. func.: ogf

$$-\frac{2\,(4x^4 - 3x^3 - 8x^2 + 9x + 16)}{(x+1)^2\,(x-1)^3}$$

Sequence: A176563
Score: 14.0436
Type of gen. func.: ogf

$$-\frac{x^2 + 2x - 1}{(x+1)\,(x^2+1)}$$

Sequence: A176563
Score: 18.4859
Type of gen. func.: lgdogf

$$-\frac{x^4 + 4x^3 - 2x^2 - 4x - 3}{(x+1)\,(x^2+1)\,(x^2+2x-1)}$$

Sequence: A176563
Score: 7.64876
Type of gen. func.: ogf

$$(3 f(x) - 13)\,(f(x)\,x^3 + f(x)\,x^2 + f(x)\,x + x^2 + f(x) + 2x - 1)$$

Sequence: A176563
Score: 7.64876
Type of gen. func.: ogf

$$\{-a(n+3) - a(n+2) - a(n+1) - a(n),\ a(0) = 1,\ a(1) = -3,\ a(2) = 1\}$$

Sequence: A176592
Score: 17.3841
Type of gen. func.: ogf

$$\frac{11 x + 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A176592
Score: 23.0424
Type of gen. func.: lgdogf

$$- \frac{33 x^2 + 4 x + 11}{(x - 1) (11 x + 1) (x + 1)}$$

Sequence: A176592
Score: 4.30300
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (-22 - 11 n) a(n + 3) + (6 + n) a(n + 2)$$

$$+ (44 + 11 n) a(n + 1), a(0) = 1, a(1) = 11, a(2) = 2, a(3) = 22\}$$

Sequence: A176592
Score: 8.69207
Type of gen. func.: ogf

$$-(85920 f(x) - 6869039) (f(x) x^4 - 2 f(x) x^2 + f(x) - 11 x - 1)$$

Sequence: A176593
Score: 17.8664
Type of gen. func.: ogf

$$\frac{13 x + 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A176593
Score: 23.6925
Type of gen. func.: lgdogf

$$- \frac{39 x^2 + 4 x + 13}{}$$

$$(x - 1) (13 x + 1) (x + 1)$$

Sequence: A176593
Score: 4.42237
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (-26 - 13 n) a(n + 3) + (6 + n) a(n + 2) + (52 + 13 n) a(n + 1), a(0) = 1, a(1) = 13, a(2) = 2, a(3) = 26\}$$

Sequence: A176593
Score: 8.75803
Type of gen. func.: ogf

$$-(168672 f(x) - 18882191) (f(x) x^4 - 2 f(x) x^2 + f(x) - 13 x - 1)$$

Sequence: A176604
Score: 7.18858
Type of gen. func.: ogf

$$f(x)^2 x^2 - f(x)^2 x - f(x) x - 2 x^2 + f(x) + 2 x - 1$$

Sequence: A176605
Score: 7.468
Type of gen. func.: ogf

$$f(x)^2 x^2 - f(x)^2 x - f(x) x - x^2 + f(x) + x - 1$$

Sequence: A176606
Score: 6.76421
Type of gen. func.: ogf

$$-f(x)^2 x^2 + f(x)^2 x + f(x) x - x^2 - f(x) + x + 1$$

Sequence: A176607
Score: 7.15175
Type of gen. func.: ogf

$$-f(x)^2 x^2 + f(x)^2 x + f(x) x - 2 x^2 - f(x) + 2 x + 1$$

Sequence: A176609
Score: 6.80724
Type of gen. func.: ogf

$$f(x)^2 x^2 - f(x)^2 x - f(x) x + 3 x^2 + f(x) - 3 x - 1$$

Sequence: A176610
Score: 4.8259
Type of gen. func.: ogf

$$f(x)^2 x^3 - 2 f(x)^2 x^2 + f(x)^2 x - f(x) x^2 - 3 x^3 + 2 f(x) x + 6 x^2 - f(x) - 3 x + 1$$

Sequence: A176611
Score: 4.51618
Type of gen. func.: ogf

$$-f(x)^2 x^3 + 2 f(x)^2 x^2 - f(x)^2 x + f(x) x^2 + 2 x^3 - 2 f(x) x - 4 x^2 + f(x) + 2 x - 1$$

Sequence: A176612
Score: 4.4557
Type of gen. func.: ogf

$$-f(x)^2 x^3 + 2 f(x)^2 x^2 - f(x)^2 x + f(x) x^2 + x^3 - 2 f(x) x - 2 x^2 + f(x) + x - 1$$

Sequence: A176632
Score: 3.96676
Type of gen. func.: ogf

$$(6318526582 + 21109459 f(x)) (8 f(x) x^3 - 14 f(x) x^2 + 1424 x^3 + 7 f(x) x - 1868 x^2 - f(x) + 358 x + 77)$$

Sequence: A176632
Score: 4.02224
Type of gen. func.: ogf

$$\{a(n + 4) - 7 a(n + 3) + 14 a(n + 2) - 8 a(n + 1), a(0) = 77, a(1) = 897, a(2) = 3333, a(3) = 12813\}$$

Sequence: A176632
Score: 5.92839
Type of gen. func.: lgdogf

$$-\frac{3 (1664 x^4 - 4736 x^3 + 4728 x^2 - 1964 x + 299)}{(x - 1) (2 x - 1) (4 x - 1) (1424 x^3 - 1868 x^2 + 358 x + 77)}$$

Sequence: A176632
Score: 7.28076
Type of gen. func.: ogf

$$-\frac{1424 x^3 - 1868 x^2 + 358 x + 77}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A176633
Score: 5.32574
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 8 a(n + 1), a(0) = 83, a(1) = 708, a(2) = 2952\}$$

Sequence: A176633
Score: 5.63903
Type of gen. func.: ogf

$$(23 f(x) + 5053) (8 f(x) x^2 - 6 f(x) x + 632 x^2 + f(x) - 210 x - 83)$$

Sequence: A176633

Score: 9.71030
Type of gen. func.: lgdogf

$$-\frac{12\,(176\,x^2 - 216\,x + 59)}{(2\,x - 1)\,(4\,x - 1)\,(632\,x^2 - 210\,x - 83)}$$

Sequence: A176633
Score: 9.91690
Type of gen. func.: ogf

$$-\frac{632\,x^2 - 210\,x - 83}{(4\,x - 1)\,(2\,x - 1)}$$

Sequence: A176634
Score: 3.96618
Type of gen. func.: ogf

$\{a(n + 4) - 7\,a(n + 3) + 14\,a(n + 2) - 8\,a(n + 1),\ a(0) = 89,\ a(1) = 519,$

$a(2) = 2063,\ a(3) = 8223\}$

Sequence: A176634
Score: 3.99431
Type of gen. func.: ogf

$$(487206890 + 5959683\,f(x))$$

$$(8\,f(x)\,x^3 - 14\,f(x)\,x^2 + 336\,x^3 + 7\,f(x)\,x - 324\,x^2 - f(x) - 104\,x + 89)$$

Sequence: A176634
Score: 7.31425
Type of gen. func.: ogf

$$-\frac{336\,x^3 - 324\,x^2 - 104\,x + 89}{(x - 1)\,(2\,x - 1)\,(4\,x - 1)}$$

Sequence: A176635
Score: 12.1159

Type of gen. func.: lgdogf

$$-\frac{2\,(400\,x^2 - 456\,x + 121)}{(100\,x - 57)\,(4\,x - 1)\,(2\,x - 1)}$$

Sequence: A176635
Score: 12.3684
Type of gen. func.: revogf

$$-\frac{-57 - 6\,x + (4\,x^2 + 284\,x + 3249)^{1/2}}{8\,(25 + 2\,x)}$$

Sequence: A176635
Score: 12.6221
Type of gen. func.: ogf

$$-\frac{100\,x - 57}{(4\,x - 1)\,(2\,x - 1)}$$

Sequence: A176635
Score: 6.51462
Type of gen. func.: ogf

$$(135\,f(x) + 6946)\,(8\,f(x)\,x^2 - 6\,f(x)\,x + f(x) + 100\,x - 57)$$

Sequence: A176635
Score: 7.12775
Type of gen. func.: ogf

$$\{-a(n + 2) + 6\,a(n + 1) - 8\,a(n),\ a(0) = 57,\ a(1) = 242\}$$

Sequence: A176636
Score: 12.0157
Type of gen. func.: ogf

$$(114\,f(x) - 1457)\,(f(x)\,x^2 - f(x) + 71\,x + 57)$$

Sequence: A176636
Score: 13.4722
Type of gen. func.: ogf

$$\{a(n+2) - a(n), a(0) = 57, a(1) = 71\}$$

Sequence: A176636
Score: 20.6782
Type of gen. func.: ogf

$$-\frac{71 x + 57}{(x - 1) (x + 1)}$$

Sequence: A176636
Score: 21.2738
Type of gen. func.: revogf

$$\frac{-57 + (4 x^2 + 284 x + 3249)^{1/2}}{2 (71 + x)}$$

Sequence: A176636
Score: 21.8057
Type of gen. func.: lgdogf

$$-\frac{71 x^2 + 114 x + 71}{(x - 1) (71 x + 57) (x + 1)}$$

Sequence: A176640
Score: 6.59855
Type of gen. func.: ogf

$$\frac{x (4 x^3 - 4 x^2 + 2 x + 1)}{(x + 1) (2 x + 1) (2 x - 1)^2 (x - 1)^2}$$

Sequence: A176640

Score: 6.91564
Type of gen. func.: lgdogf

$$-\frac{48 x^6 - 40 x^5 + 16 x^4 + 44 x^3 - 14 x^2 - 13 x - 5}{(x - 1) (2 x + 1) (2 x - 1) (x + 1) (4 x^3 - 4 x^2 + 2 x + 1)}$$

Sequence: A176645
Score: 4.43902
Type of gen. func.: ogf

$$f(x)^2 x^3 - 2 f(x)^2 x^2 + f(x)^2 x - f(x) x^2 + x^3 + 2 f(x) x - 2 x^2 - f(x) + x + 1$$

Sequence: A176646
Score: 10.8785
Type of gen. func.: ogf

$$\frac{30 x (2 x^3 + 25 x^2 + 20 x + 1)}{(x - 1)^6}$$

Sequence: A176646
Score: 21.5510
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^3 + 53 x^2 + 75 x + 13)}{(x - 1) (2 x^3 + 25 x^2 + 20 x + 1)}$$

Sequence: A176646
Score: 5.76560
Type of gen. func.: ogf

$$\{(-943 n^2 - 6077 n - 9744) a(n + 1) + (38 n^2 - 6248 n - 15906) a(n + 2)$$

$$+ (905 n^2 + 3085 n + 2550) a(n + 3), a(0) = 0, a(1) = 30, a(2) = 780\}$$

Sequence: A176648
Score: 4.62494
Type of gen. func.: ogf

$$f(x)^2 x^3 - 2 f(x)^2 x^2 + f(x)^2 x - f(x) x^2 + 2 x^3 + 2 f(x) x - 4 x^2 - f(x) + 2 x + 1$$

Sequence: A176662
Score: 12.6836
Type of gen. func.: ogf

$$\frac{12 x^3 - 6 x^2 - x + 2}{(2 x - 1)^2}$$

Sequence: A176662
Score: 15.4530
Type of gen. func.: lgdogf

$$\frac{24 x^3 - 36 x^2 + 14 x - 7}{(2 x - 1) (12 x^3 - 6 x^2 - x + 2)}$$

Sequence: A176662
Score: 6.77917
Type of gen. func.: ogf

$$\{-a(n + 4) + 4 a(n + 3) - 4 a(n + 2), a(0) = 2, a(1) = 7, a(2) = 14, a(3) = 40\}$$

Sequence: A176662
Score: 7.28132
Type of gen. func.: ogf

$$-(12 f(x) + 25) (4 f(x) x^2 - 12 x^3 - 4 f(x) x + 6 x^2 + f(x) + x - 2)$$

Sequence: A176672
Score: 8.85993
Type of gen. func.: ogf

$$\frac{x^7 + 5x^6 + 2x^5 + 11x^4 + 5x^3 + 7x^2 + x + 1}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A176675
Score: 13.3380
Type of gen. func.: revogf

$$1/4 + x/4 - \frac{x^2}{4} - \frac{(x^4 - 2x^3 + 7x^2 - 6x + 1)^{1/2}}{4}$$

Sequence: A176675
Score: 7.93613
Type of gen. func.: ogf

$$f(x)^2 x^2 - f(x)^2 x - f(x) x + f(x) + 2x - 1$$

Sequence: A176677
Score: 7.60042
Type of gen. func.: ogf

$$-f(x)^2 x^2 + f(x)^2 x + f(x) x - x^2 - f(x) - x + 1$$

Sequence: A176678
Score: 7.57383
Type of gen. func.: ogf

$$-f(x)^2 x^2 + f(x)^2 x + f(x) x - 2x^2 - f(x) + 1$$

Sequence: A176691
Score: 11.5335
Type of gen. func.: ogf

$$\frac{x^2 + 3x - 2}{(2x - 1)(x - 1)^2}$$

Sequence: A176691
Score: 14.3684
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 14 x^2 - 17 x + 5}{(x - 1) (2 x - 1) (x^2 + 3 x - 2)}$$

Sequence: A176691
Score: 6.22606
Type of gen. func.: ogf

$$(4 f(x) - 119) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x - x^2 - f(x) - 3 x + 2)$$

Sequence: A176691
Score: 6.28165
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 2, a(1) = 5, a(2) = 9\}$$

Sequence: A176697
Score: 15.777
Type of gen. func.: ogf

$$-x^2 - 1 + f(x) - f(x)^2 x$$

Sequence: A176697
Score: 4.74276
Type of gen. func.: ogf

$$\{(-4 n - 2) a(n + 1) + (-4 n - 14) a(n + 3) + (n + 5) a(n + 4), a(0) = 1,$$

$$a(1) = 1, a(2) = 3, a(3) = 7\}$$

Sequence: A176710
Score: 10.5833
Type of gen. func.: ogf

$$-\frac{2 x + 1}{12 x^2 - 1}$$

Sequence: A176710
Score: 11.6844
Type of gen. func.: lgdogf

$$-\frac{2 (12 x^2 + 12 x + 1)}{(2 x + 1) (12 x^2 - 1)}$$

Sequence: A176710
Score: 11.6844
Type of gen. func.: revogf

$$\frac{-1 + (48 x^2 + 8 x + 1)^{1/2}}{4 (1 + 6 x)}$$

Sequence: A176710
Score: 6.35
Type of gen. func.: ogf

$$(12 f(x) - 11) (12 f(x) x^2 - f(x) + 2 x + 1)$$

Sequence: A176710
Score: 6.83846
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A176711
Score: 10.6280
Type of gen. func.: lgdogf

$$x^4 - 20 x^3 - 186 x^2 - 340 x - 95$$
$$- \text{---}$$

$$(x - 1) (x^4 - 12 x^3 - 50 x^2 - 60 x - 7)$$

Sequence: A176711
Score: 6.86796
Type of gen. func.: ogf

$$\frac{3 (x^4 - 12 x^3 - 50 x^2 - 60 x - 7)}{(x - 1)^5}$$

Sequence: A176712
Score: 6.44640
Type of gen. func.: ogf

$$- \frac{3 (39 x^4 + 124 x^3 - 590 x^2 + 460 x + 95)}{(x - 1)^5}$$

Sequence: A176712
Score: 8.90048
Type of gen. func.: lgdogf

$$- \frac{39 x^4 + 404 x^3 - 1398 x^2 + 660 x + 935}{(x - 1) (39 x^4 + 124 x^3 - 590 x^2 + 460 x + 95)}$$

Sequence: A176730
Score: 6.96356
Type of gen. func.: ogf

$$\{(9 n^2 + 33 n + 30) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 6\}$$

Sequence: A176731
Score: 7.16676
Type of gen. func.: ogf

$$\{(9 n^2 + 39 n + 42) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 12\}$$

```
------------------------------------------------------------------------------

Sequence:  A176732
Score: 5.84097
Type of gen. func.: ogf


{(-n - 2) a(n + 1) + (-n - 8) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 6,

    a(2) = 43}



------------------------------------------------------------------------------

Sequence:  A176732
Score: 64.6960
Type of gen. func.: lgdegf]


                                      x + 6
                                    - -----
                                      x - 1



------------------------------------------------------------------------------

Sequence:  A176733
Score: 5.37013
Type of gen. func.: ogf


{(-n - 2) a(n + 1) + (-n - 9) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 7,

    a(2) = 57}



------------------------------------------------------------------------------

Sequence:  A176733
Score: 59.4153
Type of gen. func.: lgdegf]


                                      x + 7
                                    - -----
                                      x - 1



------------------------------------------------------------------------------

Sequence:  A176734
Score: 5.46280
Type of gen. func.: ogf


{(-n - 2) a(n + 1) + (-n - 10) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 8,

    a(2) = 73}



------------------------------------------------------------------------------

Sequence:  A176734
```

Score: 60.9132
Type of gen. func.: lgdegf]

```
                                      x + 8
                                    - -----
                                      x - 1
```

Sequence: A176735
Score: 5.61699
Type of gen. func.: ogf

```
{(-n - 2) a(n + 1) + (-n - 11) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 9,

    a(2) = 91}
```

Sequence: A176735
Score: 62.6607
Type of gen. func.: lgdegf]

```
                                      9 + x
                                    - -----
                                      x - 1
```

Sequence: A176736
Score: 5.68754
Type of gen. func.: ogf

```
{(-n - 2) a(n + 1) + (-n - 12) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 10,

    a(2) = 111}
```

Sequence: A176736
Score: 59.4537
Type of gen. func.: lgdegf]

```
                                      10 + x
                                    - ------
                                      x - 1
```

Sequence: A176737
Score: 24.5815
Type of gen. func.: ogf

```
                                        1
                              - ---------------------
```

$$(x + 1) (3 x^2 + x - 1)$$

Sequence: A176737
Score: 28.5965
Type of gen. func.: lgdogf

$$- \frac{x (8 + 9 x)}{(x + 1) (3 x^2 + x - 1)}$$

Sequence: A176737
Score: 8.72247
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 0, a(2) = 4\}$$

Sequence: A176737
Score: 9.32402
Type of gen. func.: ogf

$$(1873 f(x) + 2223) (3 f(x) x^3 + 4 f(x) x^2 - f(x) + 1)$$

Sequence: A176738
Score: 23.8298
Type of gen. func.: ogf

$$- \frac{1}{(x + 1) (4 x^2 + x - 1)}$$

Sequence: A176738
Score: 25.8694
Type of gen. func.: lgdogf

$$- \frac{2 x (5 + 6 x)}{(x + 1) (4 x^2 + x - 1)}$$

Sequence: A176738
Score: 8.45574
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 0, a(2) = 5\}$$

Sequence: A176738
Score: 9.03889
Type of gen. func.: ogf

$$-(77 f(x) + 48) (4 f(x) x^3 + 5 f(x) x^2 - f(x) + 1)$$

Sequence: A176739
Score: 22.9006
Type of gen. func.: lgdogf

$$-\frac{4 x (3 x + 1)}{(2 x - 1) (2 x^2 + 2 x + 1)}$$

Sequence: A176739
Score: 23.9178
Type of gen. func.: ogf

$$-\frac{1}{(2 x - 1) (2 x^2 + 2 x + 1)}$$

Sequence: A176739
Score: 8.48697
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 0, a(2) = 2\}$$

Sequence: A176739
Score: 9.28573
Type of gen. func.: ogf

$$-(3 f(x) - 4) (4 f(x) x^3 + 2 f(x) x^2 - f(x) + 1)$$

Sequence: A176742
Score: 15.2916
Type of gen. func.: ogf

$$f(x)\,x^2 + x^2 + f(x) - 1$$

Sequence: A176742
Score: 16.6508
Type of gen. func.: ogf

$$-\frac{(x - 1)\,(x + 1)}{x^2 + 1}$$

Sequence: A176742
Score: 29.9099
Type of gen. func.: ogf_with_Euler_transform]

$$[x^3 - 2\,x]$$

Sequence: A176742
Score: 47.5513
Type of gen. func.: lgdogf

$$\frac{4\,x}{(x - 1)\,(x + 1)\,(x^2 + 1)}$$

Sequence: A176742
Score: 9.02757
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 1), a(0) = 1, a(1) = 0, a(2) = -2\}$$

Sequence: A176743
Score: 6.33461
Type of gen. func.: ogf

$$-\frac{2 x^{7} - x^{5} - x^{4} - 10 x^{3} - 2 x^{2} - 3 x - 1}{(x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2}}$$

Sequence: A176749
Score: 7.24882
Type of gen. func.: ogf

$$f(x)^{2} x^{2} - f(x)^{2} x - f(x) x + 3 x^{2} + f(x) - x - 1$$

Sequence: A176750
Score: 7.04605
Type of gen. func.: ogf

$$f(x)^{2} x^{2} - f(x)^{2} x - f(x) x + 4 x^{2} + f(x) - 2 x - 1$$

Sequence: A176751
Score: 6.66832
Type of gen. func.: ogf

$$f(x)^{2} x^{2} - f(x)^{2} x - f(x) x + 5 x^{2} + f(x) - 3 x - 1$$

Sequence: A176752
Score: 6.44355
Type of gen. func.: ogf

$$f(x)^{2} x^{2} - f(x)^{2} x - f(x) x + x^{2} + f(x) + 2 x - 1$$

Sequence: A176753
Score: 7.03727
Type of gen. func.: ogf

$$f(x)^{2} x^{2} - f(x)^{2} x - f(x) x + 2 x^{2} + f(x) + x - 1$$

Sequence: A176754
Score: 7.85776
Type of gen. func.: ogf

$$f(x)^2 x^2 - f(x)^2 x - f(x) x + 3 x^2 + f(x) - 1$$

Sequence: A176755
Score: 7.10599
Type of gen. func.: ogf

$$f(x)^2 x^2 - f(x)^2 x - f(x) x + 4 x^2 + f(x) - x - 1$$

Sequence: A176756
Score: 6.90513
Type of gen. func.: ogf

$$f(x)^2 x^2 - f(x)^2 x - f(x) x + 5 x^2 + f(x) - 2 x - 1$$

Sequence: A176757
Score: 6.56412
Type of gen. func.: ogf

$$f(x)^2 x^2 - f(x)^2 x - f(x) x + 6 x^2 + f(x) - 3 x - 1$$

Sequence: A176758
Score: 16.0521
Type of gen. func.: ogf

$$\frac{2}{(2 x - 1) (2 x^2 + 2 x - 1)}$$

Sequence: A176758
Score: 17.4352
Type of gen. func.: lgdogf

$$- \frac{4 (3 x^2 + x - 1)}{{}^{2}}$$

$$(2x-1)(2x+2x-1)$$

Sequence: A176758
Score: 5.82421
Type of gen. func.: ogf

$$\{-a(n+3)+4a(n+2)-2a(n+1)-4a(n), a(0)=2, a(1)=8, a(2)=28\}$$

Sequence: A176758
Score: 6.51619
Type of gen. func.: ogf

$$(87f(x)-44)(4f(x)x^3+2f(x)x^2-4f(x)x+f(x)-2)$$

Sequence: A176759
Score: 5.086
Type of gen. func.: ogf

$$f(x)^2x^3-2f(x)^2x^2+f(x)^2x-f(x)x^2-x^3+2f(x)x+4x^2-f(x)-3x+1$$

Sequence: A176776
Score: 10.9003
Type of gen. func.: lgdogf

$$-\frac{(2x^2+4x-3)(5x^2-4x+1)}{(x-1)(2x-1)(5x^3-2x^2-2x+1)}$$

Sequence: A176776
Score: 4.82295
Type of gen. func.: ogf

$$-(20f(x)-51)(2f(x)x^4-7f(x)x^3+9f(x)x^2-5x^3-5f(x)x+2x^2+f(x)+2x-1)$$

Sequence: A176776
Score: 8.95691
Type of gen. func.: ogf

$$\frac{5 x^3 - 2 x^2 - 2 x + 1}{(2 x - 1) (x - 1)^3}$$

Sequence: A176777
Score: 10.8373
Type of gen. func.: lgdogf

$$- \frac{2 (7 x^4 + 4 x^3 - 16 x^2 + 10 x - 2)}{(x - 1) (2 x - 1) (7 x^3 - 5 x^2 - x + 1)}$$

Sequence: A176777
Score: 4.90572
Type of gen. func.: ogf

$$-(7 f(x) - 33)$$

$$(2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 - 7 x^3 - 5 f(x) x + 5 x^2 + f(x) + x - 1)$$

Sequence: A176777
Score: 9.04694
Type of gen. func.: ogf

$$\frac{7 x^3 - 5 x^2 - x + 1}{(2 x - 1) (x - 1)^3}$$

Sequence: A176778
Score: 11.4947
Type of gen. func.: lgdogf

$$- \frac{6 x^4 - 28 x^3 + 17 x^2 - 1}{{}^{2}}$$

$$(x - 1) (3 x - 1) (2 x - 1) (x - 3 x + 1)$$

Sequence: A176778
Score: 4.86678
Type of gen. func.: ogf

$$(92 f(x) + 187) (2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 + 3 x^3 - 5 f(x) x - 10 x^2 + f(x) + 6 x - 1)$$

Sequence: A176778
Score: 8.79765
Type of gen. func.: ogf

$$- \frac{(3 x - 1) (x^2 - 3 x + 1)}{(2 x - 1) (x - 1)^3}$$

Sequence: A176780
Score: 33.3371
Type of gen. func.: ogf_with_Euler_transform]

$$[7 - 2 x]$$

Sequence: A176780
Score: 34.6154
Type of gen. func.: lgdogf

$$- \frac{3 x + 7}{(x - 1) (x + 1)}$$

Sequence: A176780
Score: 5.15544
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 3) + 7 a(n + 2) + (n + 4) a(n + 1), a(0) = 6, a(1) = 42, a(2) = 156\}$$

Sequence: A176780
Score: 8.82869
Type of gen. func.: ogf

$$-\frac{6(x+1)^2}{(x-1)^5}$$

Sequence: A176785
Score: 23.9901
Type of gen. func.: revegf]

$$-1/2 \ln(2x^2 - 2x + 1)$$

Sequence: A176805
Score: 10.5755
Type of gen. func.: ogf

$$\frac{(x+1)(5x-2)}{(3x-1)(x-1)^2}$$

Sequence: A176805
Score: 12.1552
Type of gen. func.: lgdogf

$$-\frac{15x^3 + 33x^2 - 31x + 7}{(x-1)(3x-1)(5x-2)(x+1)}$$

Sequence: A176805
Score: 5.42103
Type of gen. func.: ogf

$$-(372 f(x) - 487)(3 f(x) x^3 - 7 f(x) x^2 + 5 f(x) x - 5 x^2 - f(x) - 3x + 2)$$

Sequence: A176805
Score: 5.70888
Type of gen. func.: ogf

$$\{a(n+3) - 5\,a(n+2) + 7\,a(n+1) - 3\,a(n),\ a(0) = 2,\ a(1) = 7,\ a(2) = 16\}$$

Sequence: A176806
Score: 7.05636
Type of gen. func.: ogf

$$-31\,f(x)^3\,x^3 - 18\,f(x)^3\,x^2 + f(x)^3\,x + 4\,f(x)^3 - f(x)\,x - 3\,f(x) - 1$$

Sequence: A176812
Score: 13.9834
Type of gen. func.: ogf

$$-\frac{3\,(x+1)}{5\,x^2 + 2\,x - 1}$$

Sequence: A176812
Score: 14.6796
Type of gen. func.: revogf

$$\frac{-3 - 2\,x + (24\,x^2 + 24\,x + 9)^{1/2}}{2\,(3 + 5\,x)}$$

Sequence: A176812
Score: 17.6155
Type of gen. func.: lgdogf

$$-\frac{5\,x^2 + 10\,x + 3}{(x+1)\,(5\,x^2 + 2\,x - 1)}$$

Sequence: A176812
Score: 7.07028
Type of gen. func.: ogf

$$(166\,f(x) - 255)\,(5\,f(x)\,x^2 + 2\,f(x)\,x - f(x) + 3\,x + 3)$$

Sequence: A176812
Score: 7.67383
Type of gen. func.: ogf

$$\{-a(n+2) + 2\,a(n+1) + 5\,a(n),\ a(0) = 3,\ a(1) = 9\}$$

Sequence: A176818
Score: 13.2577
Type of gen. func.: ogf

$$-\frac{6x - 1}{(9x - 1)(2x - 1)}$$

Sequence: A176818
Score: 13.8893
Type of gen. func.: revogf

$$-\frac{-1 - 11x + (49x^2 - 2x + 1)^{1/2}}{12(3x + 1)}$$

Sequence: A176818
Score: 14.9056
Type of gen. func.: lgdogf

$$-\frac{108x^2 - 36x + 5}{(6x - 1)(2x - 1)(9x - 1)}$$

Sequence: A176818
Score: 6.77296
Type of gen. func.: ogf

$$-(19 f(x) + 6)(18 f(x) x^2 - 11 f(x) x + f(x) + 6x - 1)$$

Sequence: A176818
Score: 7.41800
Type of gen. func.: ogf

$\{a(n + 2) - 11 a(n + 1) + 18 a(n), a(0) = 1, a(1) = 5\}$

Sequence: A176826
Score: 6.37118
Type of gen. func.: ogf

$$-f(x)^2 x^3 + 2 f(x)^2 x^2 - f(x)^2 x + f(x) x^2 - 2 f(x) x - 2 x^2 + f(x) + 2 x - 1$$

Sequence: A176828
Score: 4.98319
Type of gen. func.: ogf

$$f(x)^2 x^3 - 2 f(x)^2 x^2 + f(x)^2 x - f(x) x^2 + x^3 + 2 f(x) x - f(x) - x + 1$$

Sequence: A176829
Score: 4.69109
Type of gen. func.: ogf

$$f(x)^2 x^3 - 2 f(x)^2 x^2 + f(x)^2 x - f(x) x^2 + 2 x^3 + 2 f(x) x - 2 x^2 - f(x) + 1$$

Sequence: A176830
Score: 4.36929
Type of gen. func.: ogf

$$f(x)^2 x^3 - 2 f(x)^2 x^2 + f(x)^2 x - f(x) x^2 + 3 x^3 + 2 f(x) x - 4 x^2 - f(x) + x + 1$$

Sequence: A176832
Score: 4.55522
Type of gen. func.: ogf

$$-f(x)^2 x^3 + 2 f(x)^2 x^2 - f(x)^2 x + f(x) x^2 - 4 x^3 - 2 f(x) x + 6 x^2 + f(x) - 2 x - 1$$

Sequence: A176848
Score: 15.1725
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x - 1)^2}{x^4 - 2 x^3 - x + 1}$$

Sequence: A176848
Score: 9.43153
Type of gen. func.: ogf

$$f(x) (f(x) x^4 - 2 f(x) x^3 - x^4 + x^3 - f(x) x + f(x) + x - 1)$$

Sequence: A176854
Score: 4.71964
Type of gen. func.: ogf

$$-f(x)^2 x^3 + 2 f(x)^2 x^2 - f(x)^2 x + f(x) x^2 - 2 f(x) x - x^2 + f(x) + 3 x - 1$$

Sequence: A176855
Score: 4.60997
Type of gen. func.: ogf

$$f(x)^2 x^3 - 2 f(x)^2 x^2 + f(x)^2 x - f(x) x^2 + x^3 + 2 f(x) x - x^2 - f(x) - 2 x + 1$$

Sequence: A176856
Score: 4.92389
Type of gen. func.: ogf

$$f(x)^2 x^3 - 2 f(x)^2 x^2 + f(x)^2 x - f(x) x^2 + 2 x^3 + 2 f(x) x - 3 x^2 - f(x) - x + 1$$

Sequence: A176857
Score: 4.90258
Type of gen. func.: ogf

$$-f(x)^2 x^3 + 2 f(x)^2 x^2 - f(x)^2 x + f(x) x^2 - 3 x^3 - 2 f(x) x + 5 x^2 + f(x) - 1$$

Sequence: A176858
Score: 4.62073
Type of gen. func.: ogf

$$-f(x)^2 x^3 + 2 f(x)^2 x^2 - f(x)^2 x + f(x) x^2 - 4 x^3 - 2 f(x) x + 7 x^2 + f(x) - x - 1$$

Sequence: A176859
Score: 4.36929
Type of gen. func.: ogf

$$-f(x)^2 x^3 + 2 f(x)^2 x^2 - f(x)^2 x + f(x) x^2 - 5 x^3 - 2 f(x) x + 9 x^2 + f(x) - 2 x - 1$$

Sequence: A176868
Score: 5.16192
Type of gen. func.: ogf

$$- (84 x^{18} - x^{16} - x^{14} - 113 x^{12} + 4 x^{11} - x^9 - 4 x^8 - x^7 + x^6 - 5 x^5 + 4 x^2 - 1) / ((x - 1) (2 x + 1) (2 x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1))$$

Sequence: A176880
Score: 14.4285
Type of gen. func.: lgdogf

$$- \frac{8 x^3 - 6 x^2 + 2 x - 3}{2 x^4 - 2 x^3 + x^2 - 3 x + 1}$$

Sequence: A176880
Score: 17.1358
Type of gen. func.: ogf

$$\frac{1}{2x^4 - 2x^3 + x^2 - 3x + 1}$$

Sequence: A176880
Score: 6.26919
Type of gen. func.: ogf

$$-(35 f(x) + 16) (2 f(x) x^4 - 2 f(x) x^3 + f(x) x^2 - 3 f(x) x + f(x) - 1)$$

Sequence: A176889
Score: 10.5000
Type of gen. func.: ogf

$$-\frac{x^4 + 2x^3 - 2x^2 + 2x + 1}{(x + 1)^3 (x - 1)^3}$$

Sequence: A176889
Score: 12.6324
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 + 3x^4 - 2x^3 + 8x^2 + x + 1)}{(x - 1) (x + 1) (x^4 + 2x^3 - 2x^2 + 2x + 1)}$$

Sequence: A176895
Score: 11.1381
Type of gen. func.: ogf

$$-(f(x) + 137) (f(x) x^4 + 4x^3 + 2x^2 - f(x) + 4x + 1)$$

Sequence: A176895
Score: 13.5094
Type of gen. func.: lgdogf

$$-\frac{4 (x^6 + x^5 + 3x^4 + x^3 + 3x^2 + x + 1)}{}$$

$$(x - 1) (x + 1) (x^2 + 1) (4 x^3 + 2 x^2 + 4 x + 1)$$

Sequence: A176895
Score: 17.3911
Type of gen. func.: ogf

$$- \frac{4 x^3 + 2 x^2 + 4 x + 1}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A176898
Score: 4.75961
Type of gen. func.: ogf

$$\{(216 n^2 + 1080 n + 1326) a(n + 1) + (-2 n^2 - 13 n - 21) a(n + 2), a(0) = 5,$$

$$a(1) = 231\}$$

Sequence: A176900
Score: 13.1328
Type of gen. func.: lgdogf

$$- \frac{4 (8 x^3 - 24 x^2 + 6 x + 1)}{(4 x^2 - 2 x + 1) (4 x^2 - 8 x + 1)}$$

Sequence: A176900
Score: 3.53697
Type of gen. func.: ogf

$$\{(4 n^2 + 28 n + 48) a(n + 1) + (-2 n^2 - 12 n - 16) a(n + 2)$$

$$+ (n^2 + 5 n + 6) a(n + 3), a(0) = 1, a(1) = -4, a(2) = -24\}$$

Sequence: A176900
Score: 4.62131
Type of gen. func.: ogf

$-(f(x) + 11)$

$$(16 f(x) x^4 - 16 f(x) x^3 + 12 f(x) x^2 - 4 f(x) x - 4 x^2 + f(x) + 8 x - 1)$$

Sequence: A176900
Score: 8.79331
Type of gen. func.: ogf

$$\frac{4 x^2 - 8 x + 1}{(4 x^2 - 2 x + 1)^2}$$

Sequence: A176916
Score: 11.1048
Type of gen. func.: lgdogf

$$- \frac{95 x^3 + 125 x^2 - 71 x + 11}{(x - 1) (5 x - 1) (19 x^2 + 3 x - 2)}$$

Sequence: A176916
Score: 5.05807
Type of gen. func.: ogf

$(42640 f(x) + 76339)$

$$(5 f(x) x^3 - 11 f(x) x^2 + 7 f(x) x - 19 x^2 - f(x) - 3 x + 2)$$

Sequence: A176916
Score: 5.32197
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 11 a(n + 1) - 5 a(n), a(0) = 2, a(1) = 11, a(2) = 36\}$$

Sequence: A176916
Score: 9.71470
Type of gen. func.: ogf

$$19 x^2 + 3 x - 2$$

$$\overline{\phantom{(5 x - 1) (x - 1)^{2}}}$$
$$(5 x - 1) (x - 1)^{2}$$

Sequence: A176952
Score: 4.63953
Type of gen. func.: ogf

$$-f(x)^{2} x^{3} + 2 f(x)^{2} x^{2} - f(x)^{2} x + f(x) x^{2} - x^{3} - 2 f(x) x + f(x) + 3 x - 1$$

Sequence: A176953
Score: 4.55965
Type of gen. func.: ogf

$$-f(x)^{2} x^{3} + 2 f(x)^{2} x^{2} - f(x)^{2} x + f(x) x^{2} - 2 x^{3} - 2 f(x) x + 2 x^{2} + f(x) + 2 x - 1$$

Sequence: A176954
Score: 5.1361
Type of gen. func.: ogf

$$f(x)^{2} x^{3} - 2 f(x)^{2} x^{2} + f(x)^{2} x - f(x) x^{2} + 3 x^{3} + 2 f(x) x - 4 x^{2} - f(x) - x + 1$$

Sequence: A176956
Score: 4.75476
Type of gen. func.: ogf

$$f(x)^{2} x^{3} - 2 f(x)^{2} x^{2} + f(x)^{2} x - f(x) x^{2} + 4 x^{3} + 2 f(x) x - 6 x^{2} - f(x) + 1$$

Sequence: A176957
Score: 4.52643
Type of gen. func.: ogf

$$-f(x)^{2} x^{3} + 2 f(x)^{2} x^{2} - f(x)^{2} x + f(x) x^{2} - 5 x^{3} - 2 f(x) x + 8 x^{2} + f(x) - x - 1$$

Sequence: A176958
Score: 4.33669
Type of gen. func.: ogf

$$-f(x)^2 x^3 + 2 f(x)^2 x^2 - f(x)^2 x + f(x) x^2 - 6 x^3 - 2 f(x) x + 10 x^2 + f(x) - 2 x - 1$$

Sequence: A176959
Score: 4.81042
Type of gen. func.: ogf

$$f(x)^2 x^3 - 2 f(x)^2 x^2 + f(x)^2 x - f(x) x^2 - x^3 + 2 f(x) x + 2 x^2 - f(x) - 3 x + 1$$

Sequence: A176961
Score: 10.3709
Type of gen. func.: ogf

$$\frac{2 x^2 + x + 1}{(2 x - 1) (2 x + 1) (x - 1)}$$

Sequence: A176961
Score: 5.64842
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 4 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 2, a(2) = 8\}$$

Sequence: A176961
Score: 5.6993
Type of gen. func.: ogf

$$(2 f(x) + 3) (4 f(x) x^3 - 4 f(x) x^2 - f(x) x - 2 x^2 + f(x) - x - 1)$$

Sequence: A176961
Score: 9.82569
Type of gen. func.: lgdogf

$$-\frac{2\,(4x^4+4x^3+5x^2-6x-1)}{(x-1)(2x+1)(2x-1)(2x^2+x+1)}$$

Sequence: A176962
Score: 4.76781
Type of gen. func.: ogf

$$f(x)^2x^3-2f(x)^2x^2+f(x)^2x-f(x)x^2+x^3+2f(x)x-2x^2-f(x)-x+1$$

Sequence: A176963
Score: 10.4926
Type of gen. func.: ogf

$$\frac{8x^2+2x+1}{(x-1)(4x-1)(4x+1)}$$

Sequence: A176963
Score: 5.55492
Type of gen. func.: ogf

$$(2867f(x)+2515)(16f(x)x^3-16f(x)x^2-f(x)x-8x^2+f(x)-2x-1)$$

Sequence: A176963
Score: 5.74812
Type of gen. func.: ogf

$$\{a(n+3)-a(n+2)-16a(n+1)+16a(n),\ a(0)=1,\ a(1)=3,\ a(2)=27\}$$

Sequence: A176963
Score: 9.53415
Type of gen. func.: lgdogf

$$-\frac{128x^4+64x^3+24x^2-48x-3}{(x-1)(4x+1)(4x-1)(8x^2+2x+1)}$$

Sequence: A176964
Score: 4.97649
Type of gen. func.: ogf

$$-f(x)^{2} x^{3} + 2 f(x)^{2} x^{2} - f(x)^{2} x + f(x) x^{2} - 2 x^{3} - 2 f(x) x + 4 x^{2} + f(x) - 1$$

Sequence: A176965
Score: 11.9799
Type of gen. func.: ogf

$$\frac{2 x^{2} - x + 1}{(2 x - 1) (2 x + 1) (x - 1)}$$

Sequence: A176965
Score: 12.2082
Type of gen. func.: lgdogf

$$- \frac{2 x (4 x^{3} - 4 x^{2} + 9 x - 6)}{(x - 1) (2 x + 1) (2 x - 1) (2 x^{2} - x + 1)}$$

Sequence: A176965
Score: 6.14093
Type of gen. func.: ogf

$$-(334 f(x) + 395) (4 f(x) x^{3} - 4 f(x) x^{2} - f(x) x - 2 x^{2} + f(x) + x - 1)$$

Sequence: A176965
Score: 6.58352
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 4 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 0, a(2) = 6\}$$

Sequence: A176966
Score: 4.69145

Type of gen. func.: ogf

$$-f(x)^2 x^3 + 2 f(x)^2 x^2 - f(x)^2 x + f(x) x^2 - 3 x^3 - 2 f(x) x + 6 x^2 + f(x) - x - 1$$

Sequence: A176967
Score: 4.46226
Type of gen. func.: ogf

$$-f(x)^2 x^3 + 2 f(x)^2 x^2 - f(x)^2 x + f(x) x^2 - 4 x^3 - 2 f(x) x + 8 x^2 + f(x) - 2 x - 1$$

Sequence: A176968
Score: 5.96982
Type of gen. func.: ogf

$$-(9 f(x) + 8) (12 f(x) x^4 - 9 f(x) x^2 + 6 x^3 + x^2 + f(x) - 2 x - 1)$$

Sequence: A176968
Score: 8.60580
Type of gen. func.: lgdogf

$$-\frac{2 (36 x^6 + 12 x^5 - 9 x^4 - 24 x^3 + 8 x + 1)}{(6 x^3 + x^2 - 2 x - 1) (12 x^4 - 9 x^2 + 1)}$$

Sequence: A176968
Score: 9.58789
Type of gen. func.: ogf

$$-\frac{6 x^3 + x^2 - 2 x - 1}{12 x^4 - 9 x^2 + 1}$$

Sequence: A176971
Score: 11.6491
Type of gen. func.: ogf

$$-\frac{x + 1}{x^{3} - x - 1}$$

Sequence: A176971
Score: 21.6558
Type of gen. func.: lgdogf

$$-\frac{x^{2} (2 x + 3)}{(x + 1) (x^{3} - x - 1)}$$

Sequence: A176971
Score: 5.69795
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) + a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$$

Sequence: A176971
Score: 8.32081
Type of gen. func.: ogf

$$f(x) x^{3} - f(x) x - f(x) + x + 1$$

Sequence: A176972
Score: 10.2176
Type of gen. func.: lgdogf

$$-\frac{287 x^{3} + 329 x^{2} - 127 x + 15}{(x - 1) (7 x - 1) (41 x^{2} + 3 x - 2)}$$

Sequence: A176972
Score: 4.71103
Type of gen. func.: ogf

$(682164 f(x) + 1964381)$

$$(7 f(x) x^{3} - 15 f(x) x^{2} + 9 f(x) x - 41 x^{2} - f(x) - 3 x + 2)$$

Sequence: A176972
Score: 5.07971
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 15 a(n + 1) - 7 a(n), a(0) = 2, a(1) = 15, a(2) = 64\}$$

Sequence: A176972
Score: 9.27249
Type of gen. func.: ogf

$$\frac{41 x^{2} + 3 x - 2}{(7 x - 1) (x - 1)^{2}}$$

Sequence: A176974
Score: 8.48252
Type of gen. func.: ogf

$$- \frac{x^{7} + x^{6} - x^{5} - x^{4} - 5 x^{3} - 7 x^{2} - x - 1}{(x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2}}$$

Sequence: A176981
Score: 11.3726
Type of gen. func.: ogf

$$\frac{2 x^{2} + 2 x - 1}{x^{2} + 2 x - 1}$$

Sequence: A176981
Score: 19.5303
Type of gen. func.: lgdogf

$$\frac{2 x (x - 1)}{{}^{2} \qquad\qquad {}^{2}}$$

$$(2 x + 2 x - 1) (x + 2 x - 1)$$

Sequence: A176981
Score: 5.96779
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + a(n + 1), a(0) = 1, a(1) = 0, a(2) = -1\}$$

Sequence: A176981
Score: 6.21388
Type of gen. func.: ogf

$$-(f(x) + 1) (f(x) x^2 + 2 f(x) x - 2 x^2 - f(x) - 2 x + 1)$$

Sequence: A176995
Score: 5.32491
Type of gen. func.: ogf

$$- (x^{13} + x^{12} + x^{11} + x^{10} - x^9 - x^8 - x^7 - x^6 - x^5 - 2 x^4 - 2 x^3 - 2 x^2 - 2 x - 2) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A177002
Score: 13.6756
Type of gen. func.: ogf

$$- \frac{2 x^3 + 4 x^2 + 2 x + 1}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A177002
Score: 8.85808
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 2\}$$

Sequence: A177002
Score: 9.27989
Type of gen. func.: ogf

$$(4 f(x) - 11) (f(x) x^4 + 2 x^3 + 4 x^2 - f(x) + 2 x + 1)$$

Sequence: A177010
Score: 11.8575
Type of gen. func.: ogf

$$f(x) x^2 - f(x)^2 - 2 f(x) x - 4 x^2 + f(x)$$

Sequence: A177010
Score: 23.0154
Type of gen. func.: lgdogf

$$\frac{x - 1 + (x^2 - 6 x + 1)^{1/2}}{(x^2 - 6 x + 1)^{1/2} x}$$

Sequence: A177010
Score: 4.45377
Type of gen. func.: ogf

$$\{(n^2 - 2 n) a(n) + (-7 n^2 + 2 n + 3) a(n + 1) + (7 n^2 + 16 n + 6) a(n + 2)$$

$$+ (-n^2 - 4 n - 3) a(n + 3), a(0) = 1, a(1) = -2, a(2) = -3\}$$

Sequence: A177013
Score: 2.50726
Type of gen. func.: ogf

$$(f(x) x - f(x) + 3)^2$$

Sequence: A177019
Score: 2.80213
Type of gen. func.: ogf

$$(2965607733 f(x) - 753877039)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 1330 x^2 - f(x) - 446 x + 7)$$

Sequence: A177019
Score: 3.13572
Type of gen. func.: ogf

$$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 7, a(1) = 331, a(2) = 30301\}$$

Sequence: A177019
Score: 5.33920
Type of gen. func.: ogf

$$-\frac{1330 x^2 - 446 x + 7}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A177022
Score: 10.3260
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 3), a(0) = 1, a(1) = 3, a(2) = 6, a(3) = 1\}$$

Sequence: A177022
Score: 10.7749
Type of gen. func.: ogf

$$-(190 f(x) - 3259) (-5 x^3 + f(x) x + 3 x^2 - f(x) + 2 x + 1)$$

Sequence: A177022
Score: 18.7036
Type of gen. func.: ogf

$$\frac{5 x^3 - 3 x^2 - 2 x - 1}{x - 1}$$

Sequence: A177022
Score: 20.6953
Type of gen. func.: lgdogf

$$\frac{10 x^3 - 18 x^2 + 6 x + 3}{(x - 1) (5 x^3 - 3 x^2 - 2 x - 1)}$$

Sequence: A177044
Score: 14.1200
Type of gen. func.: ogf

$$\frac{38 x^2 + 27 x + 38}{(x - 1)^2 (x + 1)}$$

Sequence: A177044
Score: 16.4450
Type of gen. func.: lgdogf

$$- \frac{38 x^3 + 92 x^2 + 217 x + 65}{(x - 1) (x + 1) (38 x^2 + 27 x + 38)}$$

Sequence: A177044
Score: 7.17204
Type of gen. func.: ogf

$$-(1375 f(x) + 297577) (f(x) x^3 - f(x) x^2 - f(x) x - 38 x^2 + f(x) - 27 x - 38)$$

Sequence: A177044
Score: 7.79032
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 38, a(1) = 65, a(2) = 141\}$$

Sequence: A177046

Score: 14.1078
Type of gen. func.: ogf

$$\frac{16 x^2 + 95 x + 16}{(x - 1)^2 (x + 1)}$$

Sequence: A177046
Score: 15.8453
Type of gen. func.: lgdogf

$$-\frac{16 x^3 + 206 x^2 + 175 x + 111}{(x - 1) (x + 1) (16 x^2 + 95 x + 16)}$$

Sequence: A177046
Score: 7.40084
Type of gen. func.: ogf

$$(2449 f(x) + 408303) (f(x) x^3 - f(x) x^2 - f(x) x - 16 x^2 + f(x) - 95 x - 16)$$

Sequence: A177046
Score: 7.71711
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 16, a(1) = 111, a(2) = 143\}$$

Sequence: A177049
Score: 4.68869
Type of gen. func.: ogf

$$-\frac{(x^2 + 4 x + 1) (x^6 - 2 x^5 + 12 x^4 - 13 x^3 + 12 x^2 - 2 x + 1)}{(x - 1)^3 (x^2 + 1)^3}$$

Sequence: A177056
Score: 12.2382
Type of gen. func.: ogf

$$\frac{5 x^6 + 2 x^5 - 4 x^4 - 6 x^3 - 8 x^2 - 5 x - 1}{(x - 1) (x^2 + x + 1)}$$

Sequence: A177056
Score: 9.00627
Type of gen. func.: lgdogf

$$\frac{15 x^8 + 4 x^7 - 4 x^6 - 30 x^5 - 2 x^4 + 26 x^3 + 21 x^2 + 16 x + 5}{(x - 1) (x^2 + x + 1) (5 x^6 + 2 x^5 - 4 x^4 - 6 x^3 - 8 x^2 - 5 x - 1)}$$

Sequence: A177057
Score: 11.8011
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2), a(0) = 1, a(1) = 1, a(2) = 6\}$$

Sequence: A177057
Score: 12.8739
Type of gen. func.: ogf

$$-(11 f(x) - 10) (f(x) x + 5 x^2 - f(x) + 1)$$

Sequence: A177057
Score: 24.1779
Type of gen. func.: ogf

$$- \frac{5 x^2 + 1}{x - 1}$$

Sequence: A177057
Score: 31.3767
Type of gen. func.: lgdogf

$$\frac{5 x^2 - 10 x - 1}{}$$

$$(x - 1) (5 x^2 + 1)$$

Sequence: A177058
Score: 16.5873
Type of gen. func.: lgdogf

$$- \frac{x^3 + 29 x^2 - 7 x + 1}{(x - 1) (x^3 + 13 x^2 - 11 x + 3)}$$

Sequence: A177058
Score: 3.92522
Type of gen. func.: ogf

$$\{(95 n^2 + 427 n + 474) a(n + 1) + (278 n^2 + 1888 n + 2346) a(n + 2)$$

$$+ (-373 n^2 - 911 n + 624) a(n + 3), a(0) = 3, a(1) = 1, a(2) = -1\}$$

Sequence: A177058
Score: 5.15353
Type of gen. func.: ogf

$$-(114 f(x) + 295)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 13 x^2 + f(x) + 11 x - 3)$$

Sequence: A177058
Score: 9.58947
Type of gen. func.: ogf

$$\frac{x^3 + 13 x^2 - 11 x + 3}{(x - 1)^4}$$

Sequence: A177059
Score: 12.2906
Type of gen. func.: ogf

$$-\frac{2 (3 x^{2} + 19 x + 3)}{(x - 1)^{3}}$$

Sequence: A177059
Score: 20.7602
Type of gen. func.: lgdogf

$$-\frac{(x + 14) (3 x + 2)}{(x - 1) (3 x^{2} + 19 x + 3)}$$

Sequence: A177059
Score: 6.56914
Type of gen. func.: ogf

$$(61 f(x) - 1518) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 6 x^{2} - f(x) + 38 x + 6)$$

Sequence: A177059
Score: 6.62626
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 6, a(1) = 56, a(2) = 156\}$$

Sequence: A177060
Score: 11.5662
Type of gen. func.: ogf

$$-\frac{2 (5 x^{2} + 39 x + 5)}{(x - 1)^{3}}$$

Sequence: A177060
Score: 19.6161
Type of gen. func.: lgdogf

$$-\frac{5 x^{2} + 88 x + 54}{{}^{2}}$$

$$(x - 1) (5 x + 39 x + 5)$$

Sequence: A177060
Score: 6.32683
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 10, a(1) = 108, a(2) = 304\}$$

Sequence: A177060
Score: 6.97136
Type of gen. func.: ogf

$$(30 f(x) - 1507) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 10 x^2 - f(x) + 78 x + 10)$$

Sequence: A177065
Score: 11.2545
Type of gen. func.: ogf

$$- \frac{15 x^2 + 98 x + 15}{(x - 1)^3}$$

Sequence: A177065
Score: 16.8084
Type of gen. func.: lgdogf

$$- \frac{15 x^2 + 226 x + 143}{(x - 1) (15 x^2 + 98 x + 15)}$$

Sequence: A177065
Score: 6.15631
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 15, a(1) = 143, a(2) = 399\}$$

Sequence: A177065

Score: 6.91665
Type of gen. func.: ogf

$$(625 f(x) - 40002) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 15 x^2 - f(x) + 98 x + 15)$$

Sequence: A177071
Score: 11.5662
Type of gen. func.: ogf

$$- \frac{2 (x + 6) (1 + 6 x)}{(x - 1)^3}$$

Sequence: A177071
Score: 20.1610
Type of gen. func.: lgdogf

$$- \frac{6 x^2 + 86 x + 55}{(x - 1) (x + 6) (1 + 6 x)}$$

Sequence: A177071
Score: 6.32683
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 12, a(1) = 110, a(2) = 306\}$$

Sequence: A177071
Score: 6.85517
Type of gen. func.: ogf

$$(239 f(x) - 11610) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 12 x^2 - f(x) + 74 x + 12)$$

Sequence: A177072
Score: 11.2467
Type of gen. func.: ogf

```
                 2
    2 (7 x  + 67 x + 7)
  - -------------------
                    3
```

$$(x - 1)$$

Sequence: A177072
Score: 18.8606
Type of gen. func.: lgdogf

$$-\frac{7 x^{2} + 148 x + 88}{(x - 1) (7 x^{2} + 67 x + 7)}$$

Sequence: A177072
Score: 6.24819
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 14, a(1) = 176, a(2) = 500\}$$

Sequence: A177072
Score: 6.81241
Type of gen. func.: ogf

$$(199 f(x) - 16946) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 14 x^{2} - f(x) + 134 x + 14)$$

Sequence: A177073
Score: 11.2467
Type of gen. func.: ogf

$$-\frac{2 (10 x^{2} + 61 x + 10)}{(x - 1)^{3}}$$

Sequence: A177073
Score: 17.4806
Type of gen. func.: lgdogf

$$-\frac{10 x^{2} + 142 x + 91}{(x - 1) (10 x^{2} + 61 x + 10)}$$

Sequence: A177073
Score: 6.24819
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 20, a(1) = 182, a(2) = 506\}$$

Sequence: A177073
Score: 6.81241
Type of gen. func.: ogf

$$(395 f(x) - 31666) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 20 x^2 - f(x) + 122 x + 20)$$

Sequence: A177074
Score: 10.7662
Type of gen. func.: ogf

$$\frac{15 (8 x + 1)}{(10 x - 1) (x - 1)}$$

Sequence: A177074
Score: 10.9787
Type of gen. func.: revogf

$$-\frac{-15 - 11 x + 3 (9 x^2 + 90 x + 25)^{1/2}}{20 (-12 + x)}$$

Sequence: A177074
Score: 12.8531
Type of gen. func.: lgdogf

$$-\frac{80 x^2 + 20 x - 19}{(x - 1) (8 x + 1) (10 x - 1)}$$

Sequence: A177074
Score: 5.78829
Type of gen. func.: ogf

$$(63 f(x) + 860) (10 f(x) x^2 - 11 f(x) x + f(x) - 120 x - 15)$$

Sequence: A177074
Score: 6.18747
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 15, a(1) = 285\}$$

Sequence: A177075
Score: 6.33049
Type of gen. func.: ogf

$$\frac{x^5 + 25 x^4 + 62 x^3 + 38 x^2 - 7 x + 1}{(x - 1)^6}$$

Sequence: A177075
Score: 9.44347
Type of gen. func.: lgdogf

$$- \frac{x^5 + 55 x^4 + 286 x^3 + 338 x^2 + 41 x - 1}{(x - 1) (x^5 + 25 x^4 + 62 x^3 + 38 x^2 - 7 x + 1)}$$

Sequence: A177079
Score: 10.3329
Type of gen. func.: revogf

$$- \frac{-35 - 11 x + (81 x^2 + 1170 x + 1225)^{1/2}}{20 (-10 + x)}$$

Sequence: A177079
Score: 10.7662
Type of gen. func.: ogf

$$\frac{5 (20 x + 7)}{(10 x - 1) (x - 1)}$$

Sequence: A177079
Score: 11.9768
Type of gen. func.: lgdogf

$$-\frac{200 x^{2} + 140 x - 97}{(x - 1) (20 x + 7) (10 x - 1)}$$

Sequence: A177079
Score: 5.6074
Type of gen. func.: ogf

$$(927 f(x) + 14600) (10 f(x) x^{2} - 11 f(x) x + f(x) - 100 x - 35)$$

Sequence: A177079
Score: 6.18747
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 35, a(1) = 485\}$$

Sequence: A177080
Score: 10.7546
Type of gen. func.: revogf

$$-\frac{-15 - 11 x + 3 (9 x^{2} + 170 x + 25)^{1/2}}{20 (-30 + x)}$$

Sequence: A177080
Score: 10.7662
Type of gen. func.: ogf

$$\frac{15 (20 x + 1)}{(10 x - 1) (x - 1)}$$

Sequence: A177080
Score: 12.2553

Type of gen. func.: lgdogf

$$-\frac{200 x^2 + 20 x - 31}{(x - 1) (20 x + 1) (10 x - 1)}$$

Sequence: A177080
Score: 5.66643
Type of gen. func.: ogf

$$(107 f(x) + 3200) (10 f(x) x^2 - 11 f(x) x + f(x) - 300 x - 15)$$

Sequence: A177080
Score: 6.18747
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 15, a(1) = 465\}$$

Sequence: A177090
Score: 10.5041
Type of gen. func.: ogf

$$\frac{12 x}{(100 x - 1) (x - 1)}$$

Sequence: A177090
Score: 14.9475
Type of gen. func.: lgdogf

$$-\frac{-101 + 200 x}{(100 x - 1) (x - 1)}$$

Sequence: A177090
Score: 5.12990
Type of gen. func.: ogf

$$\{a(n + 2) - 101 a(n + 1) + 100 a(n), a(0) = 0, a(1) = 12\}$$

Sequence: A177090
Score: 7.22461
Type of gen. func.: revogf

$$-\frac{-101 x - 12 + (4 + 27 x)^{1/2} (121 x + 12)^{1/2} 3^{1/2}}{200 x}$$

Sequence: A177090
Score: 9.64743
Type of gen. func.: ogf

$$-100 f(x) x^2 + 101 f(x) x - f(x) + 12 x$$

Sequence: A177095
Score: 11.8075
Type of gen. func.: ogf

$$\frac{63 x + 1}{(9 x - 1) (x - 1)}$$

Sequence: A177095
Score: 12.0753
Type of gen. func.: revogf

$$-\frac{-1 - 10 x + (64 x^2 + 272 x + 1)^{1/2}}{18 (-7 + x)}$$

Sequence: A177095
Score: 12.6370
Type of gen. func.: lgdogf

$$-\frac{567 x^2 + 18 x - 73}{(x - 1) (63 x + 1) (9 x - 1)}$$

Sequence: A177095
Score: 6.03208
Type of gen. func.: ogf

$$(712 f(x) + 4617) (9 f(x) x^2 - 10 f(x) x + f(x) - 63 x - 1)$$

Sequence: A177095
Score: 6.60656
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 9 a(n), a(0) = 1, a(1) = 73\}$$

Sequence: A177096
Score: 10.5395
Type of gen. func.: revogf

$$-\frac{-40 - 11 x + (81 x^2 + 1080 x + 1600)^{1/2}}{20 (-5 + x)}$$

Sequence: A177096
Score: 10.9859
Type of gen. func.: ogf

$$\frac{10 (5 x + 4)}{(10 x - 1) (x - 1)}$$

Sequence: A177096
Score: 12.8531
Type of gen. func.: lgdogf

$$-\frac{50 x^2 + 80 x - 49}{(x - 1) (5 x + 4) (10 x - 1)}$$

Sequence: A177096
Score: 5.72671
Type of gen. func.: ogf

$$(459 f(x) + 5650) (10 f(x) x^2 - 11 f(x) x + f(x) - 50 x - 40)$$

Sequence: A177096
Score: 6.18747
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 40, a(1) = 490\}$$

Sequence: A177097
Score: 10.5395
Type of gen. func.: revogf

$$-\frac{-30 - 11 x + 3 (9 x^{2} + 180 x + 100)^{1/2}}{20 (-24 + x)}$$

Sequence: A177097
Score: 10.7662
Type of gen. func.: ogf

$$\frac{30 (8 x + 1)}{(10 x - 1) (x - 1)}$$

Sequence: A177097
Score: 12.8531
Type of gen. func.: lgdogf

$$-\frac{80 x^{2} + 20 x - 19}{(x - 1) (8 x + 1) (10 x - 1)}$$

Sequence: A177097
Score: 5.72671
Type of gen. func.: ogf

$$(63 f(x) + 1720) (10 f(x) x^{2} - 11 f(x) x + f(x) - 240 x - 30)$$

Sequence: A177097
Score: 6.18747
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 30, a(1) = 570\}$$

Sequence: A177098
Score: 10.7546
Type of gen. func.: revogf

$$- \frac{-18 - 11 x + 3 (9 x^2 + 204 x + 36)^{1/2}}{20 (-36 + x)}$$

Sequence: A177098
Score: 10.7662
Type of gen. func.: ogf

$$\frac{18 (20 x + 1)}{(10 x - 1) (x - 1)}$$

Sequence: A177098
Score: 12.2553
Type of gen. func.: lgdogf

$$- \frac{200 x^2 + 20 x - 31}{(x - 1) (20 x + 1) (10 x - 1)}$$

Sequence: A177098
Score: 5.66643
Type of gen. func.: ogf

$$(107 f(x) + 3840) (10 f(x) x^2 - 11 f(x) x + f(x) - 360 x - 18)$$

Sequence: A177098
Score: 6.18747
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 18, a(1) = 558\}$$

Sequence: A177099

Score: 18.5487
Type of gen. func.: ogf

$$-\frac{79 x + 83}{(x - 1)^3}$$

Sequence: A177099
Score: 34.6537
Type of gen. func.: lgdogf

$$-\frac{2 (164 + 79 x)}{(79 x + 83) (x - 1)}$$

Sequence: A177099
Score: 8.03296
Type of gen. func.: ogf

$$(10252874700 f(x) - 1136781408731)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 79 x + 83)$$

Sequence: A177099
Score: 8.71949
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 83, a(1) = 328, a(2) = 735\}$

Sequence: A177100
Score: 21.6747
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9 + x^8 + x^4 + 3$$

Sequence: A177100
Score: 8.39609
Type of gen. func.: ogf

$$x^3 (x + 1) (x^4 - x^3 + x^2 - x + 1)$$

$$(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^4$$

Sequence: A177107
Score: 10.9281
Type of gen. func.: ogf

$$\frac{9 (20 x + 1)}{(10 x - 1) (x - 1)}$$

Sequence: A177107
Score: 11.1520
Type of gen. func.: revogf

$$- \frac{-9 - 11 x + 3 (9 x^2 + 102 x + 9)^{1/2}}{20 (-18 + x)}$$

Sequence: A177107
Score: 12.1894
Type of gen. func.: lgdogf

$$- \frac{200 x^2 + 20 x - 31}{(x - 1) (20 x + 1) (10 x - 1)}$$

Sequence: A177107
Score: 5.69657
Type of gen. func.: ogf

$$(107 f(x) + 1920) (10 f(x) x^2 - 11 f(x) x + f(x) - 180 x - 9)$$

Sequence: A177107
Score: 6.22648
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 9, a(1) = 279\}$$

Sequence: A177108
Score: 10.9787
Type of gen. func.: revogf

$$-\frac{-28 - 11 x + (81 x^2 + 936 x + 784)^{1/2}}{20 (-8 + x)}$$

Sequence: A177108
Score: 10.9859
Type of gen. func.: ogf

$$\frac{4 (20 x + 7)}{(10 x - 1) (x - 1)}$$

Sequence: A177108
Score: 11.9768
Type of gen. func.: lgdogf

$$-\frac{200 x^2 + 140 x - 97}{(x - 1) (20 x + 7) (10 x - 1)}$$

Sequence: A177108
Score: 5.66643
Type of gen. func.: ogf

$$(927 f(x) + 11680) (10 f(x) x^2 - 11 f(x) x + f(x) - 80 x - 28)$$

Sequence: A177108
Score: 6.18747
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 28, a(1) = 388\}$$

Sequence: A177109
Score: 10.5395
Type of gen. func.: revogf

$$-20 - 11 x + (81 x^2 + 1080 x + 400)^{1/2}$$

```
- ------------------------------------
              20 (-16 + x)
```

Sequence: A177109
Score: 10.7662
Type of gen. func.: ogf

$$\frac{20 (8 x + 1)}{(10 x - 1) (x - 1)}$$

Sequence: A177109
Score: 12.8531
Type of gen. func.: lgdogf

$$- \frac{80 x^2 + 20 x - 19}{(x - 1) (8 x + 1) (10 x - 1)}$$

Sequence: A177109
Score: 5.66643
Type of gen. func.: ogf

$$(189 f(x) + 3440) (10 f(x) x^2 - 11 f(x) x + f(x) - 160 x - 20)$$

Sequence: A177109
Score: 6.18747
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 20, a(1) = 380\}$$

Sequence: A177110
Score: 6.36766
Type of gen. func.: ogf

$$-f(x)^2 x^3 + 2 f(x)^2 x^2 - f(x)^2 x + f(x) x^2 - x^3 - 2 f(x) x + x^2 + f(x) + 3 x - 1$$

Sequence: A177111
Score: 4.50744
Type of gen. func.: ogf

$$f(x)^2 x^3 - 2 f(x)^2 x^2 + f(x)^2 x - f(x) x^2 + 2 x^3 + 2 f(x) x - 3 x^2 - f(x) - 2 x + 1$$

Sequence: A177112
Score: 10.7546
Type of gen. func.: revogf

$$- \frac{-12 - 11 x + 3 (9 x^2 + 136 x + 16)^{1/2}}{20 (-24 + x)}$$

Sequence: A177112
Score: 10.7662
Type of gen. func.: ogf

$$\frac{12 (20 x + 1)}{(10 x - 1) (x - 1)}$$

Sequence: A177112
Score: 12.2553
Type of gen. func.: lgdogf

$$- \frac{200 x^2 + 20 x - 31}{(x - 1) (20 x + 1) (10 x - 1)}$$

Sequence: A177112
Score: 5.66643
Type of gen. func.: ogf

$$(107 f(x) + 2560) (10 f(x) x^2 - 11 f(x) x + f(x) - 240 x - 12)$$

Sequence: A177112
Score: 6.18747
Type of gen. func.: ogf

$$\{-a(n+2) + 11\,a(n+1) - 10\,a(n),\ a(0) = 12,\ a(1) = 372\}$$

Sequence: A177113
Score: 4.45845
Type of gen. func.: ogf

$$f(x)^2 x^3 - 2 f(x)^2 x^2 + f(x)^2 x - f(x) x^2 + 3 x^3 + 2 f(x) x - 5 x^2 - f(x) - x + 1$$

Sequence: A177114
Score: 10.9197
Type of gen. func.: revogf

$$- \frac{-4 - 11 x + (81 x^2 + 1368 x + 16)^{1/2}}{20 (-32 + x)}$$

Sequence: A177114
Score: 10.9281
Type of gen. func.: ogf

$$\frac{4 (80 x + 1)}{(10 x - 1) (x - 1)}$$

Sequence: A177114
Score: 12.1894
Type of gen. func.: lgdogf

$$- \frac{(20 x + 7) (40 x - 13)}{(x - 1) (80 x + 1) (10 x - 1)}$$

Sequence: A177114
Score: 5.6366
Type of gen. func.: ogf

$$(981 f(x) + 29200) (10 f(x) x^2 - 11 f(x) x + f(x) - 320 x - 4)$$

Sequence: A177114
Score: 6.22648
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 4, a(1) = 364\}$$

Sequence: A177115
Score: 4.9406
Type of gen. func.: ogf

$$-f(x)^2 x^3 + 2 f(x)^2 x^2 - f(x)^2 x + f(x) x^2 - 4 x^3 - 2 f(x) x + 7 x^2 + f(x) - 1$$

Sequence: A177116
Score: 13.5572
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} - x^9 - x^5 + x^4 + x^2 + x + 2$$

Sequence: A177116
Score: 6.07922
Type of gen. func.: ogf

$$\frac{x^3 (x + 1) (x^2 - x + 1) (x^4 - x^3 + x^2 - x + 1)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^4}$$

Sequence: A177117
Score: 4.47928
Type of gen. func.: ogf

$$f(x)^2 x^3 - 2 f(x)^2 x^2 + f(x)^2 x - f(x) x^2 + 5 x^3 + 2 f(x) x - 9 x^2 - f(x) + x$$
$$+ 1$$

Sequence: A177118
Score: 4.72664
Type of gen. func.: ogf

$$-f(x)^{2} x^{3} + 2 f(x)^{2} x^{2} - f(x)^{2} x + f(x) x^{2} - 6 x^{3} - 2 f(x) x + 11 x^{2} + f(x) - 2 x - 1$$

Sequence: A177122
Score: 4.28064
Type of gen. func.: ogf

$$f(x)^{2} x^{3} - 2 f(x)^{2} x^{2} + f(x)^{2} x - f(x) x^{2} + 3 x^{3} + 2 f(x) x - 6 x^{2} - f(x) + 3 x + 1$$

Sequence: A177123
Score: 4.37221
Type of gen. func.: ogf

$$-f(x)^{2} x^{3} + 2 f(x)^{2} x^{2} - f(x)^{2} x + f(x) x^{2} - 4 x^{3} - 2 f(x) x + 8 x^{2} + f(x) - 4 x - 1$$

Sequence: A177124
Score: 4.49862
Type of gen. func.: ogf

$$-f(x)^{2} x^{3} + 2 f(x)^{2} x^{2} - f(x)^{2} x + f(x) x^{2} - 5 x^{3} - 2 f(x) x + 10 x^{2} + f(x) - 5 x - 1$$

Sequence: A177125
Score: 4.56678
Type of gen. func.: ogf

$$-f(x)^{2} x^{3} + 2 f(x)^{2} x^{2} - f(x)^{2} x + f(x) x^{2} - 6 x^{3} - 2 f(x) x + 12 x^{2} + f(x) - 6 x - 1$$

Sequence: A177126
Score: 4.65766
Type of gen. func.: ogf

2 3 2 2 2 2 3 2

$$-f(x)\ x + 2 f(x)\ x - f(x)\ x + f(x) x - 7 x - 2 f(x) x + 14 x + f(x) - 7 x - 1$$

Sequence: A177127
Score: 6.29429
Type of gen. func.: ogf

$$f(x)^2 x^2 - f(x)^2 x - f(x) x + 4 x^2 + f(x) - 4 x - 1$$

Sequence: A177128
Score: 6.49954
Type of gen. func.: ogf

$$f(x)^2 x^2 - f(x)^2 x - f(x) x + 5 x^2 + f(x) - 5 x - 1$$

Sequence: A177129
Score: 6.67058
Type of gen. func.: ogf

$$f(x)^2 x^2 - f(x)^2 x - f(x) x + 6 x^2 + f(x) - 6 x - 1$$

Sequence: A177130
Score: 6.80742
Type of gen. func.: ogf

$$-f(x)^2 x^2 + f(x)^2 x + f(x) x - 7 x^2 - f(x) + 7 x + 1$$

Sequence: A177131
Score: 6.94425
Type of gen. func.: ogf

$$-f(x)^2 x^2 + f(x)^2 x + f(x) x - 8 x^2 - f(x) + 8 x + 1$$

Sequence: A177140
Score: 4.45038
Type of gen. func.: ogf

$$-(71822209 f(x) + 581400) \left(7 f(x) x^4 + 15 f(x) x^3 - 14 f(x) x^2 + 2 x^3 - 3 f(x) x + x^2 + f(x) - 4 x - 1\right)$$

Sequence: A177142
Score: 5.52424
Type of gen. func.: lgdogf

$$-\frac{352 x^7 - 50 x^6 - 714 x^5 + x^4 + 872 x^3 + 36 x^2 - 54 x - 11}{(x + 1) (8 x^2 - 5 x - 1) (22 x^5 - 31 x^4 - 69 x^3 + 30 x^2 + 5 x - 1)}$$

Sequence: A177142
Score: 6.90028
Type of gen. func.: ogf

$$\frac{(x + 1) (8 x^2 - 5 x - 1)}{22 x^5 - 31 x^4 - 69 x^3 + 30 x^2 + 5 x - 1}$$

Sequence: A177143
Score: 10.4417
Type of gen. func.: ogf

$$-\frac{x^3 + x^2 - 2 x - 1}{(2 x - 1) (x - 1) (x + 1)^2}$$

Sequence: A177143
Score: 12.9493
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 2 x^4 - 10 x^3 + x + 3}{(x - 1) (2 x - 1) (x + 1) (x^3 + x^2 - 2 x - 1)}$$

Sequence: A177143
Score: 4.08127
Type of gen. func.: ogf

$$\{(2 n + 8) a(n + 1) + (-n - 6) a(n + 2) + (-2 n - 5) a(n + 3) + (n + 3) a(n + 4), a(0) = 1, a(1) = 3, a(2) = 5, a(3) = 12\}$$

Sequence: A177143
Score: 5.50692
Type of gen. func.: ogf

$$-(601 f(x) - 1031) (2 f(x) x^4 + f(x) x^3 - 3 f(x) x^2 + x^3 - f(x) x + x^2 + f(x) - 2 x - 1)$$

Sequence: A177145
Score: 11.4395
Type of gen. func.: egf]

$$-f(x)^2 x^2 + f(x)^2 - 1$$

Sequence: A177145
Score: 38.8645
Type of gen. func.: lgdegf]

$$- \frac{x}{(x - 1) (x + 1)}$$

Sequence: A177145
Score: 4.81103
Type of gen. func.: ogf

$$\{(n^2 + 4 n + 4) a(n + 1) - a(n + 3), a(0) = 1, a(1) = 0, a(2) = 1\}$$

Sequence: A177145
Score: 90.6838
Type of gen. func.: revegf]

sin(x)

Sequence: A177146
Score: 12.1669
Type of gen. func.: lgdegf]

$$-\frac{6 x^{3} + 25 x^{2} + 30 x + 10}{(x + 2) (x + 1) (x^{2} + 2 x + 2)}$$

Sequence: A177146
Score: 4.95041
Type of gen. func.: ogf

$$\{(n^{2} + 11 n + 30) a(n + 1) + (2 n + 12) a(n + 2) + 2 a(n + 3), a(0) = 0, a(1) = -3, a(2) = 15\}$$

Sequence: A177146
Score: 6.08314
Type of gen. func.: egf]

$$-\frac{24 x (x + 2) (x + 1)}{(x^{2} + 2 x + 2)^{4}}$$

Sequence: A177154
Score: 11.8619
Type of gen. func.: lgdogf

$$-\frac{2 x^{7} + 6 x^{6} + 12 x^{5} + 20 x^{4} + 3 x^{2} + 4 x + 3}{(x - 1) (x^{3} + 2 x^{2} + 3 x + 4) (x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A177154
Score: 14.6485
Type of gen. func.: ogf

$$2 x (x^{3} + 2 x^{2} + 3 x + 4)$$

```
- -----------------------------
                4    3    2
  (x - 1) (x  + x  + x  + x + 1)
```

Sequence: A177162
Score: 6.91143
Type of gen. func.: ogf

$$f(x)^2 x^2 - f(x)^2 x - f(x) x + 6 x^2 + f(x) - 4 x - 1$$

Sequence: A177163
Score: 6.46533
Type of gen. func.: ogf

$$f(x)^2 x^2 - f(x)^2 x - f(x) x + 7 x^2 + f(x) - 5 x - 1$$

Sequence: A177165
Score: 6.60217
Type of gen. func.: ogf

$$f(x)^2 x^2 - f(x)^2 x - f(x) x + 8 x^2 + f(x) - 6 x - 1$$

Sequence: A177166
Score: 6.77321
Type of gen. func.: ogf

$$f(x)^2 x^2 - f(x)^2 x - f(x) x + 9 x^2 + f(x) - 7 x - 1$$

Sequence: A177167
Score: 6.86709
Type of gen. func.: ogf

$$f(x)^2 x^2 - f(x)^2 x - f(x) x + 10 x^2 + f(x) - 8 x - 1$$

Sequence: A177168
Score: 6.91143
Type of gen. func.: ogf

$$f(x)^2 x^2 - f(x)^2 x - f(x) x + 7 x^2 + f(x) - 4 x - 1$$

Sequence: A177169
Score: 6.39692
Type of gen. func.: ogf

$$f(x)^2 x^2 - f(x)^2 x - f(x) x + 8 x^2 + f(x) - 5 x - 1$$

Sequence: A177170
Score: 6.56796
Type of gen. func.: ogf

$$f(x)^2 x^2 - f(x)^2 x - f(x) x + 9 x^2 + f(x) - 6 x - 1$$

Sequence: A177171
Score: 6.69795
Type of gen. func.: ogf

$$f(x)^2 x^2 - f(x)^2 x - f(x) x + 10 x^2 + f(x) - 7 x - 1$$

Sequence: A177172
Score: 6.83326
Type of gen. func.: ogf

$$f(x)^2 x^2 - f(x)^2 x - f(x) x + 11 x^2 + f(x) - 8 x - 1$$

Sequence: A177175
Score: 4.21197
Type of gen. func.: ogf

$$-f(x)^2 x^3 + 2 f(x)^2 x^2 - f(x)^2 x + f(x) x^2 - 5 x^3 - 2 f(x) x + 8 x^2 + f(x) - 3 x - 1$$

Sequence: A177176
Score: 13.1285
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{13} + x^{12} + x^{6} - x^{5} + x^{2} + x + 2$$

Sequence: A177176
Score: 5.89774
Type of gen. func.: ogf

$$x^{3} (x + 1) (x^{2} - x + 1) (x^{6} - x^{5} + x^{4} - x^{3} + x^{2} - x + 1) / ((x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{4})$$

Sequence: A177177
Score: 4.31686
Type of gen. func.: ogf

$$-f(x)^{2} x^{3} + 2 f(x)^{2} x^{2} - f(x)^{2} x + f(x) x^{2} - 6 x^{3} - 2 f(x) x + 10 x^{2} + f(x) - 4 x - 1$$

Sequence: A177178
Score: 4.45318
Type of gen. func.: ogf

$$-f(x)^{2} x^{3} + 2 f(x)^{2} x^{2} - f(x)^{2} x + f(x) x^{2} - 7 x^{3} - 2 f(x) x + 12 x^{2} + f(x) - 5 x - 1$$

Sequence: A177179
Score: 4.52134
Type of gen. func.: ogf

$$-f(x)^{2} x^{3} + 2 f(x)^{2} x^{2} - f(x)^{2} x + f(x) x^{2} - 8 x^{3} - 2 f(x) x + 14 x^{2} + f(x) - 6 x - 1$$

Sequence: A177180

Score: 4.63494
Type of gen. func.: ogf

```
     2  3         2  2       2           2      3                  2
-f(x)  x  + 2 f(x)  x  - f(x)  x + f(x) x  - 9 x  - 2 f(x) x + 16 x  + f(x)

     - 7 x - 1
```

Sequence: A177181
Score: 4.52123
Type of gen. func.: ogf

```
     2  3         2  2       2           2      3                  2
-f(x)  x  + 2 f(x)  x  - f(x)  x + f(x) x  - 7 x  - 2 f(x) x + 12 x  + f(x)

     - 3 x - 1
```

Sequence: A177182
Score: 4.2487
Type of gen. func.: ogf

```
     2  3         2  2       2           2      3                  2
-f(x)  x  + 2 f(x)  x  - f(x)  x + f(x) x  - 8 x  - 2 f(x) x + 14 x  + f(x)

     - 4 x - 1
```

Sequence: A177183
Score: 4.33958
Type of gen. func.: ogf

```
     2  3         2  2       2           2      3                  2
-f(x)  x  + 2 f(x)  x  - f(x)  x + f(x) x  - 9 x  - 2 f(x) x + 16 x  + f(x)

     - 5 x - 1
```

Sequence: A177184
Score: 4.4653
Type of gen. func.: ogf

```
     2  3         2  2       2           2       3                  2
-f(x)  x  + 2 f(x)  x  - f(x)  x + f(x) x  - 10 x  - 2 f(x) x + 18 x  + f(x)

     - 6 x - 1
```

Sequence: A177185
Score: 4.55551

Type of gen. func.: ogf

$$-f(x)^2 x^3 + 2 f(x)^2 x^2 - f(x)^2 x + f(x) x^2 - 11 x^3 - 2 f(x) x + 20 x^2 + f(x) - 7 x - 1$$

Sequence: A177187
Score: 13.6048
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 3 x^4 + 4 x^3 - 8 x^2 - 18 x - 1}{(x^2 + x + 1) (x^4 - 8 x^2 + 1)}$$

Sequence: A177187
Score: 14.0822
Type of gen. func.: ogf

$$\frac{x^2 + x + 1}{x^4 - 8 x^2 + 1}$$

Sequence: A177187
Score: 7.94735
Type of gen. func.: ogf

$$-(1118 f(x) + 81) (f(x) x^4 - 8 f(x) x^2 - x^2 + f(x) - x - 1)$$

Sequence: A177189
Score: 18.5105
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9 + x^7 + x^4 + x + 2$$

Sequence: A177189
Score: 6.40987
Type of gen. func.: ogf

$$\frac{x^3 (x^4 - x^3 + x^2 - x + 1)}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^4}$$

Sequence: A177189
Score: 6.83643
Type of gen. func.: lgdogf

$$- \frac{7 x^{11} - 5 x^{10} + 9 x^9 - 7 x^8 + 11 x^7 + 3 x^6 + 3 x^5 + 3 x^4 + 4 x^3 + 2 x + 2}{(x - 1) (x + 1) (x^2 + 1) (x^4 - x^3 + x^2 - x + 1) (x^4 + 1)}$$

Sequence: A177197
Score: 4.59043
Type of gen. func.: ogf

$$-f(x)^2 x^3 + 2 f(x)^2 x^2 - f(x)^2 x + f(x) x^2 - 5 x^3 - 2 f(x) x + 10 x^2 + f(x) - 3 x - 1$$

Sequence: A177198
Score: 4.27142
Type of gen. func.: ogf

$$-f(x)^2 x^3 + 2 f(x)^2 x^2 - f(x)^2 x + f(x) x^2 - 6 x^3 - 2 f(x) x + 12 x^2 + f(x) - 4 x - 1$$

Sequence: A177199
Score: 4.38502
Type of gen. func.: ogf

$$-f(x)^2 x^3 + 2 f(x)^2 x^2 - f(x)^2 x + f(x) x^2 - 7 x^3 - 2 f(x) x + 14 x^2 + f(x) - 5 x - 1$$

Sequence: A177200
Score: 4.49862
Type of gen. func.: ogf

$$-f(x)^2 x^3 + 2 f(x)^2 x^2 - f(x)^2 x + f(x) x^2 - 8 x^3 - 2 f(x) x + 16 x^2 + f(x) - 6 x - 1$$

Sequence: A177203
Score: 4.61222
Type of gen. func.: ogf

$$-f(x)^2 x^3 + 2 f(x)^2 x^2 - f(x)^2 x + f(x) x^2 - 9 x^3 - 2 f(x) x + 18 x^2 + f(x) - 7 x - 1$$

Sequence: A177206
Score: 11.4164
Type of gen. func.: lgdogf

$$-\frac{3 x^4 - 14 x^3 + 24 x^2 - 18 x + 15}{(x - 1) (3 x^4 - 13 x^3 + 21 x^2 - 15 x + 6)}$$

Sequence: A177206
Score: 7.72060
Type of gen. func.: ogf

$$-\frac{3 x^4 - 13 x^3 + 21 x^2 - 15 x + 6}{(x - 1)^5}$$

Sequence: A177239
Score: 11.5498
Type of gen. func.: lgdogf

$$-\frac{9 x^5 + 11 x^4 + 6 x^3 + 6 x^2 + 6 x + 2}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A177239
Score: 25.3607

Type of gen. func.: ogf_with_Euler_transform]

$$[x^4 + x + 2]$$

Sequence: A177239
Score: 9.59979
Type of gen. func.: ogf

$$\frac{x^4}{(x^4 + x^3 + x^2 + x + 1)\,(x + 1)\,(x - 1)^4}$$

Sequence: A177265
Score: 3.26356
Type of gen. func.: ogf

$$\{(n^2 + 9\,n + 20)\,a(n + 1) + (-5 - n)\,a(n + 2) + (-n^2 - 9\,n - 19)\,a(n + 3)$$

$$+ (n + 4)\,a(n + 4),\ a(0) = 1,\ a(1) = 1,\ a(2) = 4,\ a(3) = 12\}$$

Sequence: A177274
Score: 10.2195
Type of gen. func.: ogf

$$-\frac{9\,x^8 + 8\,x^7 + 7\,x^6 + 6\,x^5 + 5\,x^4 + 4\,x^3 + 3\,x^2 + 2\,x + 1}{(x - 1)\,(x^2 + x + 1)\,(x^6 + x^3 + 1)}$$

Sequence: A177277
Score: 14.1615
Type of gen. func.: ogf_with_Euler_transform]

$$-(x - 1)\,x^{13} + x^4 + x^2 + 2$$

Sequence: A177277
Score: 5.11986
Type of gen. func.: ogf

$$x^4 (x^8 - x^7 + x^5 - x^4 + x^3 - x + 1) \Big/ ((x + 1)$$

$$(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^6 - x^5 + x^4 - x^3 + x^2 - x + 1) (x - 1)^4)$$

Sequence: A177278
Score: 9.7549
Type of gen. func.: egf]

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A177280
Score: 10.3852
Type of gen. func.: egf]

$$(f(x) x - f(x) + 1)^2$$

Sequence: A177281
Score: 10.7181
Type of gen. func.: egf]

$$(f(x) x - f(x) + 1)^2$$

Sequence: A177282
Score: 10.2710
Type of gen. func.: lgdogf

$$\frac{2 (x^5 - 5 x^4 + 9 x^3 - 3 x^2 + 3 x - 3)}{(x - 1) (x^2 + x - 1) (x^4 - 3 x^3 + 4 x^2 - 3 x - 1)}$$

Sequence: A177282
Score: 8.69727
Type of gen. func.: ogf

$$\frac{x^5 - 2 x^4 + 3 x^3 - 5 x^2 + 2 x - 1}{{}^{2} \qquad\qquad {}^{2}}$$

$$(x + x - 1) (x - 1)$$

Sequence: A177332
Score: 4.47930
Type of gen. func.: ogf

$$\frac{x^4 (x^{20} - x^{19} + x^{10} + x^7 + x^5 + x^3 + 1)}{(x + 1) (x^2 + 1) (x^2 + x + 1) (x^6 + x^3 + 1) (x^4 + 1) (x - 1)^4}$$

Sequence: A177337
Score: 4.30511
Type of gen. func.: ogf

$$\frac{x^5 (x^{10} - x^9 + x^7 - x^6 + x^5 - x^4 + x^3 - x + 1)}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^6 + x^3 + 1) (x^6 - x^3 + 1) (x - 1)^4}$$

Sequence: A177339
Score: 13.9001
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{11} + x^{10} + x^5 + x^3 + 2$$

Sequence: A177339
Score: 6.25349
Type of gen. func.: ogf

$$\frac{x^5 (x^4 - x^2 + 1)}{(x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^4}$$

Sequence: A177342
Score: 17.7817
Type of gen. func.: lgdogf

$$- \frac{x^3 + 5 x^2 + 17 x + 9}{}$$

$$(x - 1) (x^3 + x^2 + 5 x + 1)$$

Sequence: A177342
Score: 3.89373
Type of gen. func.: ogf

$$\{(-29 n^2 - 118 n - 120) a(n + 1) + (-42 n^2 - 561 n - 1170) a(n + 2)$$
$$+ (71 n^2 + 379 n + 498) a(n + 3), a(0) = 1, a(1) = 9, a(2) = 31\}$$

Sequence: A177342
Score: 5.09386
Type of gen. func.: ogf

$$(82048 f(x) + 167795)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - x^2 + f(x) - 5 x - 1)$$

Sequence: A177342
Score: 9.65848
Type of gen. func.: ogf

$$\frac{x^3 + x^2 + 5 x + 1}{(x - 1)^4}$$

Sequence: A177358
Score: 3.55658
Type of gen. func.: ogf

$$- \frac{12 x^6 - 10 x^5 - 10 x^4 + 50 x^3 + 12 x^2 - 10 x - 1}{108 x^7 - 84 x^6 - 532 x^5 + 178 x^4 + 280 x^3 - 66 x^2 - 8 x + 1}$$

Sequence: A177369
Score: 3.73197
Type of gen. func.: ogf

$$-(101 f(x) + 46) (4 f(x) x^3 - 4 f(x) x^2 - 3 f(x) x + 4 x^2 + f(x) - 4 x - 1)$$

Sequence: A177369
Score: 3.89710
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) - 4 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 7, a(2) = 21}

Sequence: A177369
Score: 7.21921
Type of gen. func.: ogf

$$-\frac{4 x^2 - 4 x - 1}{4 x^3 - 4 x^2 - 3 x + 1}$$

Sequence: A177369
Score: 7.26084
Type of gen. func.: lgdogf

$$-\frac{16 x^4 - 32 x^3 + 16 x^2 + 7}{(4 x^2 - 4 x - 1) (4 x^3 - 4 x^2 - 3 x + 1)}$$

Sequence: A177370
Score: 4.58477
Type of gen. func.: ogf

$$(911 f(x) + 241) (6 f(x) x^3 - 8 f(x) x^2 - 4 f(x) x + 6 x^2 + f(x) - 7 x - 1)$$

Sequence: A177370
Score: 4.62498
Type of gen. func.: ogf

{a(n + 3) - 4 a(n + 2) - 8 a(n + 1) + 6 a(n), a(0) = 1, a(1) = 11, a(2) = 46}

Sequence: A177370
Score: 8.05102
Type of gen. func.: lgdogf

$$-\frac{36 x^4 - 84 x^3 + 62 x^2 + 4 x + 11}{(6 x^2 - 7 x - 1) (6 x^3 - 8 x^2 - 4 x + 1)}$$

Sequence: A177370
Score: 8.64341
Type of gen. func.: ogf

$$-\frac{6 x^2 - 7 x - 1}{6 x^3 - 8 x^2 - 4 x + 1}$$

Sequence: A177371
Score: 7.50781
Type of gen. func.: ogf

$$-\frac{8 x^4 - 24 x^2 + 12 x + 1}{(2 x^2 - 2 x - 1) (4 x^3 + 4 x^2 - 8 x + 1)}$$

Sequence: A177373
Score: 27.4609
Type of gen. func.: lgdegf]

$$-\frac{2 (x + 1)}{(2 x - 1) (2 x + 1)}$$

Sequence: A177373
Score: 5.24253
Type of gen. func.: ogf

$\{(4 n^2 + 14 n + 12) a(n + 1) - a(n + 3) + 2 a(n + 2), a(0) = 1, a(1) = 2,$

$a(2) = 6\}$

Sequence: A177412
Score: 10.7217
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 14831, a(1) = 41069\}$$

Sequence: A177412
Score: 16.6880
Type of gen. func.: revogf

$$\frac{-14831 - x + (5 x^{2} + 134614 x + 219958561)^{1/2}}{2 (26238 + x)}$$

Sequence: A177412
Score: 18.2066
Type of gen. func.: ogf

$$- \frac{26238 x + 14831}{x^{2} + x - 1}$$

Sequence: A177412
Score: 18.2926
Type of gen. func.: lgdogf

$$- \frac{26238 x^{2} + 29662 x + 41069}{(26238 x + 14831) (x^{2} + x - 1)}$$

Sequence: A177412
Score: 9.19
Type of gen. func.: ogf

$$(70731 f(x) + 637651300) (f(x) x^{2} + f(x) x - f(x) + 26238 x + 14831)$$

Sequence: A177467
Score: 3.46766
Type of gen. func.: ogf

$$(567073245 f(x) + 43146334)$$

$$(7 f(x) x^4 + 15 f(x) x^3 - 14 f(x) x^2 - 3 f(x) x - 3 x^2 + f(x) - 2 x - 1)$$

Sequence: A177467
Score: 6.17869
Type of gen. func.: lgdogf

$$- \frac{42 x^5 + 87 x^4 + 88 x^3 + 26 x^2 - 34 x - 5}{(3 x^2 + 2 x + 1) (7 x^4 + 15 x^3 - 14 x^2 - 3 x + 1)}$$

Sequence: A177467
Score: 7.13068
Type of gen. func.: ogf

$$\frac{3 x^2 + 2 x + 1}{7 x^4 + 15 x^3 - 14 x^2 - 3 x + 1}$$

Sequence: A177468
Score: 6.72374
Type of gen. func.: ogf

$$\frac{8 x^3 - 12 x^2 - x - 1}{22 x^5 - 31 x^4 - 69 x^3 + 30 x^2 + 5 x - 1}$$

Sequence: A177469
Score: 5.43840
Type of gen. func.: ogf

$$\frac{30 x^5 - 8 x^4 - 72 x^3 + 38 x^2 - x + 1}{108 x^7 - 84 x^6 - 532 x^5 + 178 x^4 + 280 x^3 - 66 x^2 - 8 x + 1}$$

Sequence: A177485

Score: 8.76142
Type of gen. func.: ogf

$$-\frac{x^5 + x^3 + x + 1}{(x^3 - x^2 + 1)(x^3 + x - 1)}$$

Sequence: A177499
Score: 10.148
Type of gen. func.: ogf

$$-(5 f(x) + 14483) (f(x) x^4 + 16 x^3 + 4 x^2 - f(x) + 16 x + 1)$$

Sequence: A177499
Score: 11.2932
Type of gen. func.: lgdogf

$$-\frac{4 (4 x^6 + 2 x^5 + 12 x^4 + x^3 + 12 x^2 + 2 x + 4)}{(x - 1) (x + 1) (x^2 + 1) (16 x^3 + 4 x^2 + 16 x + 1)}$$

Sequence: A177499
Score: 15.9960
Type of gen. func.: ogf

$$-\frac{16 x^3 + 4 x^2 + 16 x + 1}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A177534
Score: 4.60525
Type of gen. func.: egf]

$$(545653 x^{12} + 791960649480 x^6 + 570546629452800) / (545653 x^{12} - 112738471560 x^7 + 791960649480 x^6 - 570546629452800 x + 570546629452800)$$

Sequence: A177548
Score: 4.43880
Type of gen. func.: egf]

$$(24715079 x^{12} + 1077925441320 x^{6} + 194842442995200) / (24715079 x^{12} - 498037218120 x^{7} + 1077925441320 x^{6} - 194842442995200 x + 194842442995200)$$

Sequence: A177550
Score: 4.77496
Type of gen. func.: egf]

$$(2529101 x^{12} + 61185053020 x^{6} + 2005850246400) / (2529101 x^{12} - 25366298620 x^{7} + 61185053020 x^{6} - 2005850246400 x + 2005850246400)$$

Sequence: A177552
Score: 4.63421
Type of gen. func.: egf]

$$(9531649 x^{12} + 272233130988 x^{6} + 32871404966400) / (9531649 x^{12} - 141791047788 x^{7} + 272233130988 x^{6} - 32871404966400 x + 32871404966400)$$

Sequence: A177682
Score: 5.39355
Type of gen. func.: ogf

$$- \frac{259376 x^{5} - 352284 x^{4} + 88388 x^{3} + 4020 x^{2} + 318 x + 179}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A177683
Score: 3.08615
Type of gen. func.: ogf

$$-(3000245734839087875894276848 f(x) + 41889345247090077008496172992827) ($$

```
            4           2          3                    2
    116584 x  + 8 f(x) x  - 50734 x  - 6 f(x) x - 6167 x  + f(x) - 441 x - 191)


------------------------------------------------------------------------------

Sequence:  A177683
Score: 6.78953
Type of gen. func.: ogf


                           4          3         2
                   116584 x  - 50734 x  - 6167 x  - 441 x - 191
                 - --------------------------------------------
                               (4 x - 1) (2 x - 1)


------------------------------------------------------------------------------

Sequence:  A177684
Score: 4.97786
Type of gen. func.: ogf


                      5          4         3         2
            3 (72816 x  - 86148 x  + 5914 x  + 7080 x  + 126 x + 211)
          - ---------------------------------------------------------
                           (x - 1) (2 x - 1) (4 x - 1)


------------------------------------------------------------------------------

Sequence:  A177685
Score: 3.08971
Type of gen. func.: ogf


(53062025885170765872956 f(x) - 178537953851981706877196149) (

           4           2          3                     2
    21856 x  + 8 f(x) x  + 60952 x  - 6 f(x) x - 35272 x  + f(x) - 1113 x - 603

    )


------------------------------------------------------------------------------

Sequence:  A177685
Score: 3.68225
Type of gen. func.: ogf


{-a(n + 5) + 6 a(n + 4) - 8 a(n + 3), a(0) = 603, a(1) = 4731, a(2) = 58834,

    a(3) = 254204, a(4) = 1032696}


------------------------------------------------------------------------------

Sequence:  A177685
Score: 6.25127
Type of gen. func.: ogf


                         4          3          2
```

$$-\frac{21856 x + 60952 x - 35272 x - 1113 x - 603}{(4 x - 1) (2 x - 1)}$$

Sequence: A177698
Score: 13.4648
Type of gen. func.: egf]

$$-f(x)^2 x^2 - f(x)^2 + x^2$$

Sequence: A177698
Score: 29.8510
Type of gen. func.: revegf]

$$\frac{x}{(-(x - 1) (x + 1))^{1/2}}$$

Sequence: A177698
Score: 59.7019
Type of gen. func.: lgdegf]

$$-\frac{3 x}{x^2 + 1}$$

Sequence: A177698
Score: 7.94911
Type of gen. func.: ogf

$$\{(n^2 + 2 n) a(n) + a(n + 2), a(0) = 0, a(1) = 1\}$$

Sequence: A177702
Score: 13.0433
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A177702
Score: 13.2172
Type of gen. func.: ogf

$$(5 f(x) + 7) (f(x) x^3 + 2 x^2 - f(x) + x + 1)$$

Sequence: A177702
Score: 20.2305
Type of gen. func.: ogf

$$- \frac{2 x^2 + x + 1}{(x - 1) (x^2 + x + 1)}$$

Sequence: A177702
Score: 20.2641
Type of gen. func.: lgdogf

$$- \frac{(x + 1) (2 x^3 + 3 x + 1)}{(x - 1) (x^2 + x + 1) (2 x^2 + x + 1)}$$

Sequence: A177704
Score: 11.2647
Type of gen. func.: ogf

{-a(n + 4) + a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 2}

Sequence: A177704
Score: 11.3942
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^4 + 2 x^3 + x^2 - f(x) + x + 1)$$

Sequence: A177704
Score: 13.1443
Type of gen. func.: lgdogf

6   5   4   3   2

$$-\frac{2 x + 2 x + 3 x + 4 x + 6 x + 2 x + 1}{(x - 1) (x + 1) (x^{2} + 1) (2 x^{3} + x^{2} + x + 1)}$$

Sequence: A177704
Score: 17.3911
Type of gen. func.: ogf

$$-\frac{2 x^{3} + x^{2} + x + 1}{(x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A177706
Score: 10.3476
Type of gen. func.: lgdogf

$$-\frac{2 x^{8} + 2 x^{7} + 3 x^{6} + 4 x^{5} + 5 x^{4} + 8 x^{3} + 3 x^{2} + 2 x + 1}{(x - 1) (x^{4} + x^{3} + x^{2} + x + 1) (2 x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A177706
Score: 10.7749
Type of gen. func.: ogf

$$(7 f(x) + 16) (f(x) x^{5} + 2 x^{4} + x^{3} + x^{2} - f(x) + x + 1)$$

Sequence: A177706
Score: 15.2507
Type of gen. func.: ogf

$$-\frac{2 x^{4} + x^{3} + x^{2} + x + 1}{(x - 1) (x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A177711
Score: 7.51658
Type of gen. func.: lgdogf

$$\frac{92 x^{25} - 188 x^{24} + 180 x^{23} - 172 x^{22} + 88 x^{21} + 4 x^{3} - 12 x^{2} + 5 x + 5}{(x - 1) (4 x^{25} - 4 x^{24} + 4 x^{23} - 4 x^{22} + 4 x^{3} - 4 x^{2} + 3 x - 4)}$$

Sequence: A177711
Score: 9.24159
Type of gen. func.: ogf

$$-\frac{4 x^{25} - 4 x^{24} + 4 x^{23} - 4 x^{22} + 4 x^{3} - 4 x^{2} + 3 x - 4}{(x - 1)^{2}}$$

Sequence: A177727
Score: 8.15931
Type of gen. func.: lgdogf

$$-\frac{8 x^{5} - 35 x^{4} - 40 x^{3} + 75 x^{2} - 30 x - 3}{(x - 1) (2 x - 1) (x^{2} + 3 x + 1) (x^{2} - 7 x + 1)}$$

Sequence: A177727
Score: 8.79052
Type of gen. func.: ogf

$$\frac{2 x - 1}{(x - 1) (x^{2} + 3 x + 1) (x^{2} - 7 x + 1)}$$

Sequence: A177728
Score: 5.09251
Type of gen. func.: lgdogf

$$-\frac{57344 x^{5} - 78208 x^{4} + 26784 x^{3} - 620 x^{2} - 620 x + 45}{(x - 1) (14 x + 1) (2 x - 1) (4 x - 1) (8 x - 1) (16 x - 1)}$$

Sequence: A177728
Score: 8.07189
Type of gen. func.: ogf

$$-\frac{14x+1}{(x-1)(4x-1)(2x-1)(8x-1)(16x-1)}$$

Sequence: A177730
Score: 11.0248
Type of gen. func.: ogf

$$\frac{1+6x}{(8x-1)(x-1)(2x-1)(4x-1)}$$

Sequence: A177730
Score: 5.16057
Type of gen. func.: ogf

$$(159714121 f(x) + 53011696)$$

$$(64 f(x) x^4 - 120 f(x) x^3 + 70 f(x) x^2 - 15 f(x) x + f(x) - 6x - 1)$$

Sequence: A177730
Score: 7.69480
Type of gen. func.: lgdogf

$$-\frac{1152x^4 - 1184x^3 + 60x^2 + 140x - 21}{(x-1)(4x-1)(2x-1)(8x-1)(1+6x)}$$

Sequence: A177747
Score: 38.9317
Type of gen. func.: lgdogf

$$-\frac{2(1+5x)}{(x-1)(x+1)}$$

Sequence: A177747
Score: 41.2657
Type of gen. func.: ogf_with_Euler_transform]

$$[2 + 4x]$$

Sequence: A177747
Score: 6.45722
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) - 2 a(n + 2) + (-n - 11) a(n + 1), a(0) = 1, a(1) = 2, a(2) = 7\}$$

Sequence: A177747
Score: 8.80530
Type of gen. func.: ogf

$$\frac{1}{(x + 1)^4 (x - 1)^6}$$

Sequence: A177755
Score: 3.37338
Type of gen. func.: ogf

$$- \frac{2 x (x^5 + 8 x^4 + 14 x^3 + 18 x^2 + 5 x + 2)}{(x + 1)^3 (x - 1)^5}$$

Sequence: A177769
Score: 13.2757
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 111$$

Sequence: A177769
Score: 23.1376
Type of gen. func.: ogf

$$\frac{111}{(x - 1)^2}$$

Sequence: A177769
Score: 24.0812
Type of gen. func.: revogf

$$\frac{444 x}{\left(111 + (12321 + 444 x)^{1/2}\right)^2}$$

Sequence: A177769
Score: 61.9152
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A177769
Score: 9.41648
Type of gen. func.: ogf

{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 111, a(1) = 222}

Sequence: A177769
Score: 99.3350
Type of gen. func.: lgdogf

$$-\frac{2}{x - 1}$$

Sequence: A177787
Score: 11.4751
Type of gen. func.: ogf

$$\frac{2 x^2 - 3 x + 2}{(x - 1)^4}$$

Sequence: A177787
Score: 22.8400
Type of gen. func.: lgdogf

2

$$-\frac{4 x - 5 x + 5}{(x - 1) (2 x^2 - 3 x + 2)}$$

Sequence: A177787
Score: 3.95892
Type of gen. func.: ogf

$$\{(2 n + 8) a(n + 4) + (-20 - 5 n) a(n + 3) + (15 + 5 n) a(n + 2) + (-6 - 2 n) a(n + 1), a(0) = 2, a(1) = 5, a(2) = 10, a(3) = 18\}$$

Sequence: A177787
Score: 6.13787
Type of gen. func.: ogf

$$(7 f(x) + 4) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 2 x^2 + f(x) + 3 x - 2)$$

Sequence: A177790
Score: 5.33095
Type of gen. func.: ogf

$$f(x)^2 x^4 - 3 f(x)^2 x^3 + f(x)^2 x^2 - x^4 + 2 f(x) x^2 + 3 x^3 - 6 f(x) x - 3 x^2 + 2 f(x) + 2 x - 2$$

Sequence: A177795
Score: 5.13131
Type of gen. func.: ogf

$$-(13 f(x) + 4) (2 f(x) x^5 - 3 f(x) x^4 + f(x) x^3 + 4 f(x) x^2 - x^3 - 4 f(x) x + 2 x^2 + f(x) - x)$$

Sequence: A177795
Score: 9.88252
Type of gen. func.: ogf

$$\frac{x (x - 1)}{(2 x - 1) (x^4 - x^3 + 2 x - 1)}$$

Sequence: A177824
Score: 6.97433
Type of gen. func.: lgdogf

$$- (3 x^{12} + 8 x^{11} + 30 x^{10} + 6 x^9 + 35 x^8 + 48 x^7 + 5 x^4 + 8 x^3 + 18 x^2 + 2 x + 5) / ((x - 1) (x + 1) (x^5 + 2 x^4 + 6 x^3 + x^2 + 5 x + 6) (x^2 + 1) (x^4 + 1))$$

Sequence: A177824
Score: 9.63585
Type of gen. func.: ogf

$$- \frac{x^2 (x^5 + 2 x^4 + 6 x^3 + x^2 + 5 x + 6)}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A177825
Score: 13.7177
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (x^4 - x^3 - 1)}$$

Sequence: A177843
Score: 3.25524
Type of gen. func.: ogf

$$-(185532165888562 f(x) + 1320256127896136099) (8 f(x) x^3 + 28656 x^4 - 14 f(x) x^2 - 30932 x^3 + 7 f(x) x - 2002 x^2 - f(x) + 3494 x + 775)$$

Sequence: A177843
Score: 3.57283
Type of gen. func.: ogf

$$\{a(n + 5) - 7 a(n + 4) + 14 a(n + 3) - 8 a(n + 2), a(0) = 775, a(1) = 8919,$$
$$a(2) = 49581, a(3) = 197469, a(4) = 788157\}$$

Sequence: A177843
Score: 6.23345
Type of gen. func.: ogf

$$- \frac{28656 x^4 - 30932 x^3 - 2002 x^2 + 3494 x + 775}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A177844
Score: 4.45143
Type of gen. func.: ogf

$$\{a(n + 4) - 6 a(n + 3) + 8 a(n + 2), a(0) = 279, a(1) = 3996, a(2) = 16008,$$
$$a(3) = 64784\}$$

Sequence: A177844
Score: 4.45144
Type of gen. func.: ogf

$$(5378743 f(x) + 15577719303)$$
$$(8 f(x) x^2 - 704 x^3 - 6 f(x) x + 5736 x^2 + f(x) - 2322 x - 279)$$

Sequence: A177844
Score: 6.29039
Type of gen. func.: lgdogf

$$\frac{4 (1408 x^4 - 2112 x^3 + 4488 x^2 - 3984 x + 999)}{(2 x - 1) (4 x - 1) (704 x^3 - 5736 x^2 + 2322 x + 279)}$$

Sequence: A177844

Score: 7.96242
Type of gen. func.: ogf

$$\frac{704 x^{3} - 5736 x^{2} + 2322 x + 279}{(4 x - 1) (2 x - 1)}$$

Sequence: A177845
Score: 3.56241
Type of gen. func.: ogf

$$(35739821529689192 + 13337399157003 f(x)) (8 f(x) x^{3} - 14 f(x) x^{2} + 13088 x^{3} + 7 f(x) x - 17360 x^{2} - f(x) + 3494 x + 775)$$

Sequence: A177845
Score: 3.92592
Type of gen. func.: ogf

{a(n + 4) - 7 a(n + 3) + 14 a(n + 2) - 8 a(n + 1), a(0) = 775, a(1) = 8919,
a(2) = 34223, a(3) = 133983}

Sequence: A177845
Score: 6.95313
Type of gen. func.: ogf

$$- \frac{13088 x^{3} - 17360 x^{2} + 3494 x + 775}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A177846
Score: 5.19919
Type of gen. func.: ogf

{-a(n + 3) + 6 a(n + 2) - 8 a(n + 1), a(0) = 837, a(1) = 7896, a(2) = 32176}

Sequence: A177846
Score: 5.24645
Type of gen. func.: ogf

$$(1061 f(x) + 3008619) (8 f(x) x^2 - 6 f(x) x + 8504 x^2 + f(x) - 2874 x - 837)$$

Sequence: A177846
Score: 8.83332
Type of gen. func.: lgdogf

$$-\frac{8 (3504 x^2 - 3800 x + 987)}{(2 x - 1) (4 x - 1) (8504 x^2 - 2874 x - 837)}$$

Sequence: A177846
Score: 9.46082
Type of gen. func.: ogf

$$-\frac{8504 x^2 - 2874 x - 837}{(4 x - 1) (2 x - 1)}$$

Sequence: A177849
Score: 8.26078
Type of gen. func.: ogf

$$(x^{50} - x^{30} - x^{25} + x^5 + 1) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^{20} + x^{15} + x^{10} + x^5 + 1) (x - 1)^2)$$

Sequence: A177881
Score: 10.8194
Type of gen. func.: ogf

$$\frac{x^2}{(3 x - 1) (x - 1) (x^2 + 1)}$$

Sequence: A177881
Score: 12.5980
Type of gen. func.: lgdogf

$$-\frac{4\,(3\,x^{3}-3\,x^{2}+2\,x-1)}{(x-1)\,(3\,x-1)\,(x^{2}+1)}$$

Sequence: A177881
Score: 5.79217
Type of gen. func.: ogf

$$-3\,f(x)\,x^{4}+4\,f(x)\,x^{3}-4\,f(x)\,x^{2}+4\,f(x)\,x+x^{2}-f(x)$$

Sequence: A177883
Score: 10.6782
Type of gen. func.: ogf

$$-\frac{8\,x^{5}+x^{4}+2\,x^{3}+7\,x^{2}+5\,x+4}{(x-1)\,(x+1)\,(x^{2}+x+1)\,(x^{2}-x+1)}$$

Sequence: A177890
Score: 12.0168
Type of gen. func.: ogf

$$\frac{x\,(12\,x+1)}{(x-1)^{4}}$$

Sequence: A177890
Score: 31.2817
Type of gen. func.: lgdogf

$$-\frac{4\,(4+9\,x)}{(12\,x+1)\,(x-1)}$$

Sequence: A177890
Score: 5.18372
Type of gen. func.: ogf

{(-n - 2) a(n + 3) + (5 - 11 n) a(n + 2) + (36 + 12 n) a(n + 1), a(0) = 0,

$a(1) = 1, a(2) = 16\}$

Sequence: A177890
Score: 5.46972
Type of gen. func.: ogf

$$-(26078390 f(x) + 134538921)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 12 x^2 + f(x) - x)$$

Sequence: A177898
Score: 17.4982
Type of gen. func.: ogf

$$-\frac{3 x^2 - 5 x - 1}{(x - 1)^2 (x + 1)}$$

Sequence: A177898
Score: 22.3397
Type of gen. func.: lgdogf

$$-\frac{3 x^3 - 7 x^2 - 2 x - 6}{(x - 1) (x + 1) (3 x^2 - 5 x - 1)}$$

Sequence: A177898
Score: 8.89495
Type of gen. func.: ogf

$$-(195 f(x) + 1268) (f(x) x^3 - f(x) x^2 - f(x) x + 3 x^2 + f(x) - 5 x - 1)$$

Sequence: A177898
Score: 9.53027
Type of gen. func.: ogf

$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 6, a(2) = 4\}$

Sequence: A177949
Score: 10.9075
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 15684, a(1) = 15685\}$$

Sequence: A177949
Score: 14.0574
Type of gen. func.: revogf

$$-\frac{-15685 - 2 x + (246019225 + 4 x)^{1/2}}{2 (15684 + x)}$$

Sequence: A177949
Score: 17.6619
Type of gen. func.: lgdogf

$$-\frac{2 (-7843 + 7842 x)}{(x - 1) (15684 x - 15685)}$$

Sequence: A177949
Score: 18.5221
Type of gen. func.: ogf

$$-\frac{15683 x - 15684}{(x - 1)^2}$$

Sequence: A177949
Score: 9.71954
Type of gen. func.: ogf

$$(2 f(x) + 245987857) (f(x) x^2 - 2 f(x) x + f(x) + 15683 x - 15684)$$

Sequence: A177964
Score: 14.1507
Type of gen. func.: ogf

$$\frac{2 x^2 + 11 x + 2}{(x - 1)^2 (x + 1)}$$

Sequence: A177964
Score: 17.2234
Type of gen. func.: lgdogf

$$- \frac{2 x^3 + 24 x^2 + 21 x + 13}{(x - 1) (x + 1) (2 x^2 + 11 x + 2)}$$

Sequence: A177964
Score: 7.62906
Type of gen. func.: ogf

$$(27 f(x) + 581) (f(x) x^3 - f(x) x^2 - f(x) x - 2 x^2 + f(x) - 11 x - 2)$$

Sequence: A177964
Score: 7.69598
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 13, a(2) = 17\}$$

Sequence: A178027
Score: 11.7866
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 5291 x$$

Sequence: A178027
Score: 17.5678
Type of gen. func.: revogf

$$\frac{21164 x}{(5291 + (27994681 + 21164 x)^{1/2})^2}$$

Sequence: A178027
Score: 18.2693
Type of gen. func.: ogf

$$\frac{5291 x}{(x - 1)^2}$$

Sequence: A178027
Score: 55.7185
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A178027
Score: 8.69965
Type of gen. func.: ogf

{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 5291}

Sequence: A178027
Score: 90.0351
Type of gen. func.: lgdogf

$$-\frac{2}{x - 1}$$

Sequence: A178069
Score: 15.4509
Type of gen. func.: lgdogf

$$-\frac{x^3 + 3 x^2 + 6 x + 2}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A178069
Score: 24.8046
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + x + 2$$

Sequence: A178069
Score: 4.50154
Type of gen. func.: ogf

$$(5 f(x) + 530864197)$$

$$(f(x) x^3 - f(x) x^2 - f(x) x - 12345679 x^2 + f(x) - 12345679 x - 12345679)$$

Sequence: A178069
Score: 4.73847
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 12345679, a(1) = 24691358,

a(2) = 49382716}

Sequence: A178069
Score: 7.68556
Type of gen. func.: ogf

$$\frac{12345679 (x^2 + x + 1)}{(x - 1)^2 (x + 1)}$$

Sequence: A178072
Score: 7.49816
Type of gen. func.: ogf

$$-f(x)^2 x^3 - 2 f(x)^2 x + f(x) x^2 + 2 f(x) x + f(x) - 1$$

Sequence: A178073
Score: 16.3711
Type of gen. func.: lgdogf

$$- \frac{2 (x^3 + 3 x^2 + 11 x + 5)}{}$$

$$(x - 1) (x^3 + x^2 + 5 x + 1)$$

Sequence: A178073
Score: 3.84054
Type of gen. func.: ogf

$$\{(-8 n^2 - 27 n - 9) a(n + 1) + (-34 n^2 - 406 n - 906) a(n + 2)$$

$$+ (42 n^2 + 233 n + 321) a(n + 3), a(0) = 1, a(1) = 10, a(2) = 41\}$$

Sequence: A178073
Score: 8.25495
Type of gen. func.: ogf

$$- \frac{x^3 + x^2 + 5 x + 1}{(x - 1)^5}$$

Sequence: A178074
Score: 7.52237
Type of gen. func.: ogf

$$-f(x)^2 x^3 - f(x)^2 x - 2 f(x) x^2 + f(x) x - f(x) + 1$$

Sequence: A178076
Score: 6.27612
Type of gen. func.: ogf

$$-2 f(x)^2 x^3 + 2 f(x)^2 x - 2 f(x) x^2 - 2 f(x) x + f(x) - 1$$

Sequence: A178078
Score: 6.9733
Type of gen. func.: ogf

$$2 f(x)^2 x^3 - 3 f(x)^2 x - f(x) x^2 + 3 f(x) x + f(x) - 1$$

Sequence: A178080
Score: 6.9098
Type of gen. func.: ogf

```
                   2  3          2            2
             2 f(x)  x  + 3 f(x)  x - f(x) x  - 3 f(x) x - f(x) + 1
```

Sequence: A178094
Score: 9.19482
Type of gen. func.: ogf

```
         10      9      8      7      6      5      4      3      2
      6 x   + 4 x  + 2 x  + 3 x  + 7 x  + 2 x  + 5 x  + 3 x  + 2 x  + x + 1
    - ----------------------------------------------------------------------
                                     2            6    3
                       (x - 1) (x  + x + 1) (x  + x  + 1)
```

Sequence: A178113
Score: 6.16935
Type of gen. func.: ogf

```
       2  4       2  2           3           2                 2
-3 f(x)  x  + f(x)  x  - 6 f(x) x  - 3 f(x) x  + 2 f(x) x - 4 x  + f(x) - 4 x

     - 1
```

Sequence: A178114
Score: 5.63154
Type of gen. func.: ogf

```
              2  4       2  3       2  2         2
         -f(x)  x  + f(x)  x  - f(x)  x  - f(x) x  + f(x) x - f(x) + 1
```

Sequence: A178115
Score: 10.3646
Type of gen. func.: ogf

```
                                 3    2
                                x  - x  + 2 x - 1
                              - -----------------
                                   4      2
                                  x  + 3 x  + 1
```

Sequence: A178115

Score: 10.8040
Type of gen. func.: lgdogf

$$-\frac{x^6 - 2x^5 + 3x^4 - 4x^3 + 3x^2 - 4x - 2}{(x^3 - x^2 + 2x - 1)(x^4 + 3x^2 + 1)}$$

Sequence: A178115
Score: 6.29628
Type of gen. func.: ogf

$$-(30 f(x) - 11)(f(x) x^4 + 3 f(x) x^2 + x^3 - x^2 + f(x) + 2x - 1)$$

Sequence: A178134
Score: 4.57165
Type of gen. func.: ogf

$$-\frac{x(5x^5 - 5x^4 - 10x^3 - 6x^2 + 1)}{(x - 1)(x + 1)(5x^2 + x - 1)(5x^4 + x^2 - 1)}$$

Sequence: A178141
Score: 5.79879
Type of gen. func.: lgdogf

$$-\frac{2x^4 - 2x^3 + 12x^2 - 4x + 1}{(x + 1)(x^2 - x + 1)(2x^2 - x + 4)}$$

Sequence: A178141
Score: 9.48927
Type of gen. func.: ogf

$$-\frac{2x^5 + x^4 - 4x^3 + 2x^2 - x + 4}{(x - 1)(x + 1)(x^2 + x + 1)(x^2 - x + 1)}$$

Sequence: A178142
Score: 12.7447
Type of gen. func.: ogf

$$-\frac{x (5 x^2 + 5 x + 2)}{(x^2 + x + 1) (x - 1) (x + 1)}$$

Sequence: A178142
Score: 13.3244
Type of gen. func.: lgdogf

$$-\frac{10 x^5 + 20 x^4 + 18 x^3 + 11 x^2 + 10 x + 3}{(x - 1) (x + 1) (x^2 + x + 1) (5 x^2 + 5 x + 2)}$$

Sequence: A178142
Score: 6.7902
Type of gen. func.: ogf

$$-(50 f(x) + 109) (f(x) x^4 + f(x) x^3 + 5 x^3 - f(x) x + 5 x^2 - f(x) + 2 x)$$

Sequence: A178143
Score: 10.0631
Type of gen. func.: ogf

$$-\frac{x (13 x^2 + 13 x + 4)}{(x^2 + x + 1) (x - 1) (x + 1)}$$

Sequence: A178143
Score: 5.22657
Type of gen. func.: ogf

$$-(10478 f(x) + 31717) (f(x) x^4 + f(x) x^3 + 13 x^3 - f(x) x + 13 x^2 - f(x) + 4 x)$$

Sequence: A178143
Score: 8.24537

Type of gen. func.: lgdogf

$$-\frac{26x^5+52x^4+42x^3+25x^2+26x+9}{(x-1)(x+1)(x^2+x+1)(13x^2+13x+4)}$$

Sequence: A178144
Score: 6.52943
Type of gen. func.: ogf

$$-\frac{x(10x^6+20x^5+22x^4+17x^3+12x^2+7x+2)}{(x-1)(x+1)(x^4+x^3+x^2+x+1)(x^2+x+1)}$$

Sequence: A178146
Score: 6.67429
Type of gen. func.: ogf

$$-\frac{x(3x^6+6x^5+7x^4+6x^3+5x^2+3x+1)}{(x-1)(x+1)(x^4+x^3+x^2+x+1)(x^2+x+1)}$$

Sequence: A178147
Score: 5.34044
Type of gen. func.: ogf

$$-\frac{x(38x^6+76x^5+80x^4+55x^3+30x^2+17x+4)}{(x-1)(x+1)(x^4+x^3+x^2+x+1)(x^2+x+1)}$$

Sequence: A178159
Score: 8.50300
Type of gen. func.: ogf

$$-\frac{2x^3-2x+1}{(x^4+2x^2-1)(x^2+2x-1)}$$

Sequence: A178205
Score: 11.3927
Type of gen. func.: ogf

$$-10 f(x) x^3 - f(x) x + f(x) - 1$$

Sequence: A178205
Score: 22.7854
Type of gen. func.: ogf

$$-\frac{1}{10 x^3 + x - 1}$$

Sequence: A178205
Score: 26.8037
Type of gen. func.: lgdogf

$$-\frac{30 x^2 + 1}{10 x^3 + x - 1}$$

Sequence: A178205
Score: 7.19539
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 10 a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A178208
Score: 11.5337
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 73 x^2 + 112 x + 21}{(x - 1) (x + 1) (x^2 + 13 x + 1)}$$

Sequence: A178208
Score: 5.28341

Type of gen. func.: ogf

$$-\frac{4 x (x + 1) (x^2 + 13 x + 1)}{(x - 1)^7}$$

Sequence: A178218
Score: 10.6602
Type of gen. func.: ogf

$$-\frac{x^3 - 3 x^2 + 3 x + 1}{(x + 1) (x - 1)^3}$$

Sequence: A178218
Score: 13.3331
Type of gen. func.: lgdogf

$$-\frac{x^4 - 4 x^3 + 6 x^2 + 4 x + 5}{(x - 1) (x + 1) (x^3 - 3 x^2 + 3 x + 1)}$$

Sequence: A178218
Score: 5.48921
Type of gen. func.: ogf

$$\{(-n - 5) a(n + 1) - 2 a(n + 2) + (n + 3) a(n + 3), a(0) = 1, a(1) = 5, a(2) = 7\}$$

Sequence: A178218
Score: 5.98011
Type of gen. func.: ogf

$$(181 f(x) - 426) (f(x) x^4 - 2 f(x) x^3 + x^3 + 2 f(x) x - 3 x^2 - f(x) + 3 x + 1)$$

Sequence: A178219
Score: 13.3217
Type of gen. func.: ogf

$$-5 f(x) x^4 + 4 f(x) x^3 + x^3 - f(x)$$

Sequence: A178219
Score: 22.6829
Type of gen. func.: ogf

$$\frac{x^3}{5 x^4 - 4 x^3 + 1}$$

Sequence: A178219
Score: 29.2294
Type of gen. func.: lgdogf

$$-\frac{4 x^2 (-3 + 5 x)}{5 x^4 - 4 x^3 + 1}$$

Sequence: A178222
Score: 11.1750
Type of gen. func.: ogf

$$-\frac{2 x}{(x + 1) (3 x - 1) (x - 1)^2}$$

Sequence: A178222
Score: 17.6551
Type of gen. func.: lgdogf

$$-\frac{4 (3 x^2 - 1)}{(x - 1) (3 x - 1) (x + 1)}$$

Sequence: A178222
Score: 4.73819
Type of gen. func.: ogf

$$-(131 f(x) - 135) (3 f(x) x^4 - 4 f(x) x^3 - 2 f(x) x^2 + 4 f(x) x - f(x) + 2 x)$$

Sequence: A178223
Score: 10.1984
Type of gen. func.: lgdogf

$$(18 x^{20} - 37 x^{19} + 19 x^{18} + 20 x^{12} - 42 x^{11} + 22 x^{10} + 30 x^4 - 74 x^3 + 42 x^2 + 2 x + 2) \Big/ ((x - 1) (x^{20} - x^{19} + 2 x^{12} - 2 x^{11} + 15 x^4 - 14 x^3 - x^2 - 1))$$

Sequence: A178223
Score: 12.8497
Type of gen. func.: ogf

$$-\frac{x^{20} - x^{19} + 2 x^{12} - 2 x^{11} + 15 x^4 - 14 x^3 - x^2 - 1}{(x - 1)^2}$$

Sequence: A178242
Score: 5.26713
Type of gen. func.: ogf

$$\frac{x (x^7 - 3 x^3 - 3 x^2 + 2 x - 3)}{(x - 1)^3 (x^2 + 1)^3}$$

Sequence: A178242
Score: 7.02910
Type of gen. func.: lgdogf

$$-\frac{2 x^9 + x^8 - 4 x^7 + 7 x^6 - 18 x^5 - 12 x^4 + 28 x^3 - 49 x^2 + 16 x - 7}{(x - 1) (x^2 + 1) (x^7 - 3 x^3 - 3 x^2 + 2 x - 3)}$$

Sequence: A178248
Score: 11.8626
Type of gen. func.: ogf

$$-\frac{13 x - 2}{(12 x - 1) (x - 1)}$$

Sequence: A178248
Score: 12.9731
Type of gen. func.: lgdogf

$$-\frac{156 x^2 - 48 x + 13}{(x - 1) (12 x - 1) (13 x - 2)}$$

Sequence: A178248
Score: 5.99372
Type of gen. func.: ogf

$$-(121 f(x) - 73) (12 f(x) x^2 - 13 f(x) x + f(x) + 13 x - 2)$$

Sequence: A178248
Score: 6.69886
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1) + 12 a(n), a(0) = 2, a(1) = 13\}$$

Sequence: A178312
Score: 15.7126
Type of gen. func.: lgdogf

$$-\frac{2 (10 x^3 + 5 x^2 + 8 x + 1)}{(x - 1) (x + 1) (4 x^2 + x + 1)}$$

Sequence: A178312
Score: 7.73105
Type of gen. func.: ogf

$$\frac{x\,(4x^2+x+1)}{(x+1)^3\,(x-1)^4}$$

Sequence: A178320
Score: 12.0514
Type of gen. func.: ogf

$$-\frac{1}{x^5-x^4-2x^3+2x^2+2x-1}$$

Sequence: A178320
Score: 12.4715
Type of gen. func.: lgdogf

$$-\frac{5x^4-4x^3-6x^2+4x+2}{x^5-x^4-2x^3+2x^2+2x-1}$$

Sequence: A178333
Score: 22.0557
Type of gen. func.: ogf

$$x - f(x)$$

Sequence: A178333
Score: 9.57136
Type of gen. func.: ogf

$$\{-a(n+2),\ a(0)=0,\ a(1)=1\}$$

Sequence: A178334
Score: 121.585
Type of gen. func.: lgdogf

$$-\frac{1}{x-1}$$

Sequence: A178334
Score: 13.8963
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1), a(0) = 0, a(1) = 1\}$$

Sequence: A178334
Score: 138.954
Type of gen. func.: revogf

$$\frac{x}{x + 1}$$

Sequence: A178334
Score: 24.0644
Type of gen. func.: ogf

$$-f(x) x + f(x) - x$$

Sequence: A178334
Score: 34.0221
Type of gen. func.: ogf

$$- \frac{x}{x - 1}$$

Sequence: A178334
Score: 75.7393
Type of gen. func.: ogf_with_Euler_transform]

[1]

Sequence: A178348
Score: 14.3360
Type of gen. func.: ogf

$$\frac{1}{(1100 x - 1) (x - 1)}$$

Sequence: A178348
Score: 5.824
Type of gen. func.: ogf

$$(1210001 f(x) + 2200) (1100 f(x) x^2 - 1101 f(x) x + f(x) - 1)$$

Sequence: A178348
Score: 6.14401
Type of gen. func.: ogf

$$\{-a(n + 2) + 1101 a(n + 1) - 1100 a(n), a(0) = 1, a(1) = 1101\}$$

Sequence: A178349
Score: 14.3360
Type of gen. func.: ogf

$$\frac{1}{(1010 x - 1) (x - 1)}$$

Sequence: A178349
Score: 5.824
Type of gen. func.: ogf

$$(1020101 f(x) + 2020) (1010 f(x) x^2 - 1011 f(x) x + f(x) - 1)$$

Sequence: A178349
Score: 6.14401
Type of gen. func.: ogf

$$\{-a(n + 2) + 1011 a(n + 1) - 1010 a(n), a(0) = 1, a(1) = 1011\}$$

Sequence: A178370
Score: 4.24080
Type of gen. func.: ogf

$$x^8 - 2 x^7 - 4 x^6 - 8 x^5 + 9 x^4 - 46 x^3 + 7 x^2 - 4 x - 7$$

$$(x - 1)^3 (x^2 + 1)^3$$

Sequence: A178381
Score: 5.74643
Type of gen. func.: ogf

$$-(36 f(x) - 41) (5 f(x) x^4 - x^4 - 5 f(x) x^2 + 2 x^3 + 3 x^2 + f(x) - x - 1)$$

Sequence: A178381
Score: 8.74127
Type of gen. func.: lgdogf

$$\frac{10 x^6 + 20 x^5 - 5 x^4 - 16 x^3 - x^2 + 4 x + 1}{(x + 1) (x^3 - 3 x^2 + 1) (5 x^4 - 5 x^2 + 1)}$$

Sequence: A178381
Score: 9.05260
Type of gen. func.: ogf

$$\frac{(x + 1) (x^3 - 3 x^2 + 1)}{5 x^4 - 5 x^2 + 1}$$

Sequence: A178390
Score: 11.7545
Type of gen. func.: lgdogf

$$- \frac{5 x^4 + 22 x^3 + 66 x^2 + 22 x + 5}{(x - 1) (5 x^4 + x^3 + 21 x^2 - 5 x + 2)}$$

Sequence: A178390
Score: 7.49351
Type of gen. func.: ogf

$$5 x^4 + x^3 + 21 x^2 - 5 x + 2$$

$$- \frac{}{(x - 1)^5}$$

Sequence: A178392
Score: 14.5462
Type of gen. func.: lgdogf

$$- \frac{2 (x^3 - 18 x^2 - 39 x - 4)}{(x - 1) (x + 1) (x^2 - 14 x + 1)}$$

Sequence: A178392
Score: 3.91818
Type of gen. func.: ogf

$$\{(8 n^2 + 43 n + 54) a(n + 1) + (-16 n^2 - 64 n - 72) a(n + 2)$$

$$+ (8 n^2 + 21 n + 10) a(n + 3), a(0) = 0, a(1) = -1, a(2) = 8\}$$

Sequence: A178392
Score: 7.58357
Type of gen. func.: ogf

$$\frac{x (x + 1) (x^2 - 14 x + 1)}{(x - 1)^5}$$

Sequence: A178393
Score: 4.93507
Type of gen. func.: ogf

$$(9 x^9 + 640 x^8 + 15058 x^7 + 86866 x^6 + 156292 x^5 + 89386 x^4 + 14350 x^3 + 262 x^2$$

$$+ 19 x - 2) \bigg/ (x - 1)^{10}$$

Sequence: A178396
Score: 13.9776

Type of gen. func.: ogf

$$\frac{1}{(1000 x - 1) (11 x - 1)}$$

Sequence: A178396
Score: 5.70514
Type of gen. func.: ogf

$$(1000121 f(x) + 22000) (11000 f(x) x^2 - 1011 f(x) x + f(x) - 1)$$

Sequence: A178396
Score: 6.07723
Type of gen. func.: ogf

$$\{-a(n + 2) + 1011 a(n + 1) - 11000 a(n), a(0) = 1, a(1) = 1011\}$$

Sequence: A178397
Score: 4.32054
Type of gen. func.: ogf

$$-(12030 f(x) - 5257)$$

$$(7 f(x) x^4 - 8 f(x) x^3 + 8 f(x) x^2 - 8 f(x) x + 2 x^2 + f(x) - x)$$

Sequence: A178397
Score: 9.03988
Type of gen. func.: ogf

$$- \frac{x (2 x - 1)}{(x - 1) (7 x - 1) (x^2 + 1)}$$

Sequence: A178397
Score: 9.48293
Type of gen. func.: lgdogf

$$- \frac{2 (21 x^4 - 30 x^3 + 20 x^2 - 8 x + 3)}{{}^{2}}$$

$$(x - 1) (2 x - 1) (7 x - 1) (x + 1)$$

Sequence: A178405
Score: 10.0252
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 11, a(1) = 12\}$$

Sequence: A178405
Score: 17.9174
Type of gen. func.: ogf

$$-\frac{10 x - 11}{(x - 1)^2}$$

Sequence: A178405
Score: 22.3071
Type of gen. func.: revogf

$$-\frac{-11 - 2 x + (121 + 4 x)^{1/2}}{2 (10 + x)}$$

Sequence: A178405
Score: 30.5689
Type of gen. func.: lgdogf

$$-\frac{2 (-6 + 5 x)}{(x - 1) (10 x - 11)}$$

Sequence: A178405
Score: 9.56955
Type of gen. func.: ogf

$$(f(x) + 61) (f(x) x^2 - 2 f(x) x + f(x) + 10 x - 11)$$

Sequence: A178407

Score: 11.2154
Type of gen. func.: revogf

$$-\frac{-1 - 1101 x + (808201 x^{2} + 2202 x + 1)^{1/2}}{202000 x}$$

Sequence: A178407
Score: 14.1385
Type of gen. func.: ogf

$$\frac{x}{(1000 x - 1) (101 x - 1)}$$

Sequence: A178407
Score: 15.0522
Type of gen. func.: lgdogf

$$-\frac{-1101 + 202000 x}{(1000 x - 1) (101 x - 1)}$$

Sequence: A178407
Score: 6.51325
Type of gen. func.: ogf

$$\{a(n + 2) - 1101 a(n + 1) + 101000 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A178407
Score: 8.65192
Type of gen. func.: ogf

$$-101000 f(x) x^{2} + 1101 f(x) x - f(x) + x$$

Sequence: A178414
Score: 13.5767
Type of gen. func.: ogf

$$\frac{x^{3} + 7 x^{2} + 3 x + 1}{\qquad{}^{2} \qquad\quad {}^{2}}$$

$$(x - 1)\ (x + 1)$$

Sequence: A178414
Score: 15.1915
Type of gen. func.: lgdogf

$$-\frac{x^4 + 14 x^3 + 12 x^2 + 18 x + 3}{(x - 1) (x + 1) (x^3 + 7 x^2 + 3 x + 1)}$$

Sequence: A178414
Score: 8.09622
Type of gen. func.: ogf

$$-(177 f(x) + 445) (f(x) x^4 - 2 f(x) x^2 - x^3 - 7 x^2 + f(x) - 3 x - 1)$$

Sequence: A178414
Score: 8.32535
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 2) + a(n), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 7\}$$

Sequence: A178419
Score: 4.51110
Type of gen. func.: ogf

$$- x (36 x^{13} + 28 x^{12} + 32 x^{11} + 21 x^{10} + 17 x^9 + 14 x^8 + 13 x^7 + 12 x^6 + 5 x^5 + 2 x^4 - x^3 - 3 x^2 - 2 x - 1) / ((x - 1) (4 x^3 - 1))$$

Sequence: A178420
Score: 13.2744
Type of gen. func.: ogf

$$-\frac{x}{(x + 1) (2 x - 1) (x - 1)^2}$$

Sequence: A178420
Score: 21.0045
Type of gen. func.: lgdogf

$$-\frac{8 x^{2} - x - 3}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A178420
Score: 3.60792
Type of gen. func.: ogf

$$\{(-3 - n) a(n + 4) + (7 + 2 n) a(n + 3) + (n + 2) a(n + 2)$$
$$+ (-8 - 2 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 8\}$$

Sequence: A178420
Score: 5.81442
Type of gen. func.: ogf

$$(171 f(x) - 124) (2 f(x) x^{4} - 3 f(x) x^{3} - f(x) x^{2} + 3 f(x) x - f(x) + x)$$

Sequence: A178440
Score: 39.0780
Type of gen. func.: ogf_with_Euler_transform]

[2 + 6 x]

Sequence: A178440
Score: 5.94467
Type of gen. func.: ogf

$$\frac{1}{(x + 1)^{6} (x - 1)^{8}}$$

Sequence: A178440
Score: 6.12081
Type of gen. func.: ogf

$\{(n + 3) a(n + 3) - 2 a(n + 2) + (-15 - n) a(n + 1), a(0) = 1, a(1) = 2,$

$a(2) = 9\}$

Sequence: A178441
Score: 7.89978
Type of gen. func.: ogf

$$\frac{1}{x^7 - x^6 - 3 x^5 + 3 x^4 + 3 x^3 - 3 x^2 - 2 x + 1}$$

Sequence: A178452
Score: 11.9173
Type of gen. func.: ogf

$$- \frac{x^2}{(2 x - 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A178452
Score: 14.6164
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^3 - 5 x^2 + 4 x - 2)}{(x - 1) (2 x - 1) (x^2 + 1)}$$

Sequence: A178455
Score: 11.7777
Type of gen. func.: ogf

$$- \frac{x^3}{(2 x - 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A178455
Score: 15.1780
Type of gen. func.: lgdogf

$$-\frac{10 x^3 - 2 x^2 + x - 3}{(x - 1) (2 x - 1) (x^2 + x + 1)}$$

Sequence: A178455
Score: 4.62986
Type of gen. func.: ogf

$-(23 f(x) - 12)$

$$(2 f(x) x^5 - 3 f(x) x^4 + f(x) x^3 - 2 f(x) x^2 + x^3 + 3 f(x) x - f(x))$$

Sequence: A178457
Score: 10.1836
Type of gen. func.: ogf

$$-\frac{x^5 (x^6 + x^3 + x^2 + 1)}{(2 x - 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A178459
Score: 15.8440
Type of gen. func.: ogf

$$-\frac{x^4}{(2 x - 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A178459
Score: 16.1081
Type of gen. func.: lgdogf

$$-\frac{14 x^5 - 4 x^4 + x^3 + x^2 + x - 3}{(x - 1) (2 x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A178460
Score: 7.02150
Type of gen. func.: lgdogf

$$-\frac{18x^7-6x^6+x^5+x^4+x^3+x^2+x-3}{(x-1)(2x-1)(x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A178460
Score: 8.74957
Type of gen. func.: ogf

$$-\frac{x^6}{(2x-1)(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A178465
Score: 6.48502
Type of gen. func.: ogf

$$-\frac{2x^2(x^5-2x^4-x^3+x^2-2x-3)}{(x+1)^2(x-1)^4}$$

Sequence: A178500
Score: 17.8084
Type of gen. func.: ogf

$$-\frac{10x}{10x-1}$$

Sequence: A178500
Score: 41.7992
Type of gen. func.: lgdogf

$$-\frac{10}{10x-1}$$

Sequence: A178500
Score: 45.2825
Type of gen. func.: revegf]

$$\frac{1}{10}\ln(x+1)$$

Sequence: A178500
Score: 7.56248
Type of gen. func.: ogf

$$\{-a(n+2)+10\,a(n+1),\ a(0)=0,\ a(1)=10\}$$

Sequence: A178500
Score: 9.05018
Type of gen. func.: ogf

$$-f(x)\,(10\,f(x)\,x-f(x)+10\,x)$$

Sequence: A178501
Score: 18.9426
Type of gen. func.: ogf

$$-\frac{x}{10\,x-1}$$

Sequence: A178501
Score: 37.2962
Type of gen. func.: revegf]

$$\frac{1}{10}\ln(1+10\,x)$$

Sequence: A178501
Score: 46.6203
Type of gen. func.: lgdogf

$$-\frac{10}{10\,x-1}$$

Sequence: A178501

Score: 7.89274
Type of gen. func.: ogf

$$\{-a(n + 2) + 10\, a(n + 1),\ a(0) = 0,\ a(1) = 1\}$$

Sequence: A178501
Score: 9.47128
Type of gen. func.: ogf

$$-f(x)\, (10\, f(x)\, x - f(x) + x)$$

Sequence: A178502
Score: 6.99661
Type of gen. func.: ogf

$$-\left(3 x^{32} + 18 x^{31} - 21 x^{30} + 9 x^{14} - 7 x^{13} - 2 x^{12} + 3 x^{6} - 3 x^{5} + 3 x^{2} - 3 x - 1\right) \Big/ (x - 1)^{2}$$

Sequence: A178508
Score: 8.16669
Type of gen. func.: ogf

$$-\frac{27 x^{7} + 60 x^{6} + 49 x^{5} + 31 x^{4} + 13 x^{3} + 10 x^{2} + 7 x + 1}{10 x^{6} - 1}$$

Sequence: A178510
Score: 14.3828
Type of gen. func.: revogf

$$-\frac{-121 x - 1 + (6241 x^{2} + 242 x + 1)^{1/2}}{4200 x}$$

Sequence: A178510
Score: 17.3173
Type of gen. func.: ogf

$$\frac{1}{(100 x - 1) (21 x - 1)}$$

Sequence: A178510
Score: 19.6128
Type of gen. func.: lgdogf

$$- \frac{-121 + 4200 x}{(100 x - 1) (21 x - 1)}$$

Sequence: A178510
Score: 7.07587
Type of gen. func.: ogf

$$(10441 f(x) + 4200) (2100 f(x) x^2 - 121 f(x) x + f(x) - 1)$$

Sequence: A178510
Score: 7.39389
Type of gen. func.: ogf

$$\{-a(n + 2) + 121 a(n + 1) - 2100 a(n), a(0) = 1, a(1) = 121\}$$

Sequence: A178511
Score: 13.8480
Type of gen. func.: revogf

$$\frac{-81 x - 1 + (14161 x^2 + 162 x + 1)^{1/2}}{3800 x}$$

Sequence: A178511
Score: 16.7606
Type of gen. func.: ogf

$$- \frac{1}{(19 x + 1) (100 x - 1)}$$

Sequence: A178511
Score: 19.6552
Type of gen. func.: lgdogf

$$-\frac{81 + 3800 x}{(19 x + 1) (100 x - 1)}$$

Sequence: A178511
Score: 6.45983
Type of gen. func.: ogf

$$-(10361 f(x) - 3800) (1900 f(x) x^2 + 81 f(x) x - f(x) + 1)$$

Sequence: A178511
Score: 7.12808
Type of gen. func.: ogf

$$\{-a(n + 2) + 81 a(n + 1) + 1900 a(n), a(0) = 1, a(1) = 81\}$$

Sequence: A178512
Score: 10.3168
Type of gen. func.: revogf

$$-\frac{-121 x - 1 + (14161 x^2 + 242 x + 1)^{1/2}}{240 x}$$

Sequence: A178512
Score: 15.4752
Type of gen. func.: lgdogf

$$-\frac{-121 + 240 x}{(120 x - 1) (x - 1)}$$

Sequence: A178512
Score: 17.9317
Type of gen. func.: ogf

$$\frac{1}{(120 x - 1) (x - 1)}$$

Sequence: A178512
Score: 7.2909
Type of gen. func.: ogf

$$(14401 f(x) + 240) (120 f(x) x^2 - 121 f(x) x + f(x) - 1)$$

Sequence: A178512
Score: 7.53945
Type of gen. func.: ogf

$$\{-a(n + 2) + 121 a(n + 1) - 120 a(n), a(0) = 1, a(1) = 121\}$$

Sequence: A178513
Score: 12.5316
Type of gen. func.: ogf

$$\frac{1}{(80 x - 1) (x - 1)}$$

Sequence: A178513
Score: 15.8647
Type of gen. func.: lgdogf

$$-\frac{-81 + 160 x}{(80 x - 1) (x - 1)}$$

Sequence: A178513
Score: 4.98416
Type of gen. func.: ogf

$$(6401 f(x) + 160) (80 f(x) x^2 - 81 f(x) x + f(x) - 1)$$

Sequence: A178513
Score: 5.16007
Type of gen. func.: ogf

$$\{-a(n+2) + 81\, a(n+1) - 80\, a(n),\ a(0) = 1,\ a(1) = 81\}$$

Sequence: A178513
Score: 9.96155
Type of gen. func.: revogf

$$-\frac{-81\, x - 1 + (6241\, x^2 + 162\, x + 1)^{1/2}}{160\, x}$$

Sequence: A178520
Score: 9.9367
Type of gen. func.: ogf

$$-f(x)\, x^3 - f(x)^2\, x + x^2 + f(x) - 1$$

Sequence: A178521
Score: 11.5296
Type of gen. func.: ogf

$$\frac{x^2\, (x + 3)}{(x^2 + x - 1)^2}$$

Sequence: A178521
Score: 25.4314
Type of gen. func.: lgdogf

$$-\frac{3\, x^2 + 13\, x + 7}{(x + 3)\, (x^2 + x - 1)}$$

Sequence: A178521
Score: 4.62524
Type of gen. func.: ogf

$$\{(n^2 + 6\, n + 8)\, a(n+1) + (n^2 + 5\, n + 7)\, a(n+2) + (-n^2 - 4\, n - 3)\, a(n+3),$$

$$a(0) = 0,\ a(1) = 0,\ a(2) = 3\}$$

Sequence: A178521
Score: 5.80687
Type of gen. func.: ogf

$$-(625 f(x) + 742) (f(x) x^4 + 2 f(x) x^3 - f(x) x^2 - x^3 - 2 f(x) x - 3 x^2 + f(x))$$

Sequence: A178523
Score: 11.1774
Type of gen. func.: ogf

$$- \frac{2 x^2}{(x - 1) (x^2 + x - 1)^2}$$

Sequence: A178523
Score: 23.2699
Type of gen. func.: lgdogf

$$- \frac{5 x^2 - x - 3}{(x - 1) (x^2 + x - 1)}$$

Sequence: A178523
Score: 3.83044
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 1) + a(n + 2) + (2 n + 5) a(n + 3) + (-n - 2) a(n + 4),$$

$$a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 6\}$$

Sequence: A178523
Score: 5.6384
Type of gen. func.: ogf

$$-(7 f(x) - 9)$$

$$(f(x) x^5 + f(x) x^4 - 3 f(x) x^3 - f(x) x^2 + 3 f(x) x + 2 x^2 - f(x))$$

Sequence: A178525
Score: 12.7558
Type of gen. func.: lgdogf

$$-\frac{3 x^4 - 5 x^3 + 17 x^2 - 4 x - 8}{(x - 1) (x^2 - x + 3) (x^2 + x - 1)}$$

Sequence: A178525
Score: 8.18594
Type of gen. func.: ogf

$$-\frac{x^2 (x^2 - x + 3)}{(x - 1) (x^2 + x - 1)^2}$$

Sequence: A178529
Score: 3.71615
Type of gen. func.: ogf

$$\{(-256 n^2 - 640 n - 396) a(n + 1) + (n^2 + 4 n + 4) a(n + 2), a(0) = 1,$$

$$a(1) = 12\}$$

Sequence: A178529
Score: 9.25394
Type of gen. func.: ogf

hypergeom([1/8, 3/8], [1], 256 x)

Sequence: A178543
Score: 13.3220
Type of gen. func.: ogf

$$-\frac{x}{(3 x - 1) (x^2 + 1)}$$

Sequence: A178543
Score: 19.6572
Type of gen. func.: lgdogf

$$-\frac{9x^2 - 2x + 3}{(3x - 1)(x^2 + 1)}$$

Sequence: A178543
Score: 5.40081
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - a(n + 1) + 3 a(n), a(0) = 0, a(1) = 1, a(2) = 3\}$$

Sequence: A178543
Score: 7.78558
Type of gen. func.: ogf

$$3 f(x) x^3 - f(x) x^2 + 3 f(x) x - f(x) + x$$

Sequence: A178572
Score: 14.1791
Type of gen. func.: ogf

$$-\frac{14x + 11}{(x - 1)^3}$$

Sequence: A178572
Score: 29.4229
Type of gen. func.: lgdogf

$$-\frac{47 + 28x}{(14x + 11)(x - 1)}$$

Sequence: A178572
Score: 6.66539
Type of gen. func.: ogf

$$(786875 f(x) - 13004193) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 14 x + 11)$$

Sequence: A178572
Score: 6.72284
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 11, a(1) = 47, a(2) = 108\}$$

Sequence: A178574
Score: 16.6801
Type of gen. func.: ogf

$$- \frac{4 (5 x + 4)}{(x - 1)^3}$$

Sequence: A178574
Score: 37.5908
Type of gen. func.: lgdogf

$$- \frac{17 + 10 x}{(5 x + 4) (x - 1)}$$

Sequence: A178574
Score: 7.90866
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 16, a(1) = 68, a(2) = 156\}$$

Sequence: A178574
Score: 7.97744
Type of gen. func.: ogf

$$(46413 f(x) - 1106708) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 20 x + 16)$$

Sequence: A178575
Score: 5.57294
Type of gen. func.: ogf

$$\{(-27 n^3 - 117 n^2 - 168 n - 80) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A178577
Score: 7.56437
Type of gen. func.: lgdogf

$$- \frac{(3 x^3 + 8 x^2 - 5 x + 2) (5 x^3 - 4 x^2 - x + 2)}{(x - 1) (5 x - 1) (x + 1) (x^2 - x + 1) (x^2 + 2 x - 1)}$$

Sequence: A178577
Score: 7.58711
Type of gen. func.: ogf

$$- \frac{x (x^2 + 2 x - 1)}{(x - 1) (5 x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A178578
Score: 13.9589
Type of gen. func.: ogf

$$f(x)^2 x^3 + f(x) x^2 + 3 f(x) x - f(x) + 1$$

Sequence: A178578
Score: 22.5767
Type of gen. func.: revogf

$$\frac{-1 - 3 x + (4 x^3 + 13 x^2 + 6 x + 1)^{1/2}}{2 x (x + 1)}$$

Sequence: A178594
Score: 5.37621
Type of gen. func.: ogf

3 4 2 2 3 2 2

$$-6 f(x) x - 2 x - 6 f(x) x + 14 f(x) x - 8 x + f(x) - 2 f(x) x + x$$

Sequence: A178617
Score: 11.6958
Type of gen. func.: lgdogf

$$-\frac{x^4 + 28 x^3 + 78 x^2 + 20 x - 7}{(x - 1) (x^4 + 12 x^3 + 14 x^2 - 2 x - 1)}$$

Sequence: A178617
Score: 7.27085
Type of gen. func.: ogf

$$-\frac{x^4 + 12 x^3 + 14 x^2 - 2 x - 1}{(x - 1)^5}$$

Sequence: A178626
Score: 12.6125
Type of gen. func.: ogf

$$\frac{1}{(10 x - 1) (x^2 + 2 x - 1)}$$

Sequence: A178626
Score: 13.2534
Type of gen. func.: lgdogf

$$-\frac{2 (15 x^2 + 19 x - 6)}{(10 x - 1) (x^2 + 2 x - 1)}$$

Sequence: A178626
Score: 4.70297
Type of gen. func.: ogf

$\{-a(n + 3) + 12 a(n + 2) - 19 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 12,$

$a(2) = 125\}$

Sequence: A178626
Score: 4.99956
Type of gen. func.: ogf

$$(960217 f(x) - 18900) (10 f(x) x^3 + 19 f(x) x^2 - 12 f(x) x + f(x) - 1)$$

Sequence: A178630
Score: 3.19488
Type of gen. func.: ogf

$$(13579795031 f(x) - 5587455600)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - f(x) + 180 x + 18)$$

Sequence: A178630
Score: 3.29395
Type of gen. func.: ogf

$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 18, a(1) = 2178,$

$a(2) = 221778\}$

Sequence: A178630
Score: 6.28758
Type of gen. func.: lgdogf

$$-\frac{20000 x^3 - 8100 x^2 - 2220 x + 121}{(x - 1) (1 + 10 x) (100 x - 1) (10 x - 1)}$$

Sequence: A178630
Score: 6.63938
Type of gen. func.: ogf

$$-\frac{18 (1 + 10 x)}{(x - 1) (100 x - 1) (10 x - 1)}$$

```
------------------------------------------------------------------------------

Sequence:  A178631
Score: 3.19488
Type of gen. func.: ogf


(13579795031 f(x) - 8381183400)

                3               2
    (1000 f(x) x  - 1110 f(x) x  + 111 f(x) x - f(x) + 270 x + 27)



------------------------------------------------------------------------------

Sequence:  A178631
Score: 3.29395
Type of gen. func.: ogf


{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 27, a(1) = 3267,

    a(2) = 332667}



------------------------------------------------------------------------------

Sequence:  A178631
Score: 6.28758
Type of gen. func.: lgdogf


                               3         2
                        20000 x  - 8100 x  - 2220 x + 121
                  - -----------------------------------------
                    (x - 1) (1 + 10 x) (100 x - 1) (10 x - 1)



------------------------------------------------------------------------------

Sequence:  A178631
Score: 6.63938
Type of gen. func.: ogf


                                  27 (1 + 10 x)
                        - ------------------------------
                          (x - 1) (100 x - 1) (10 x - 1)



------------------------------------------------------------------------------

Sequence:  A178632
Score: 3.17104
Type of gen. func.: ogf


(13579795031 f(x) - 13968639000)

                3               2
    (1000 f(x) x  - 1110 f(x) x  + 111 f(x) x - f(x) + 450 x + 45)



------------------------------------------------------------------------------

Sequence:  A178632
```

Score: 3.29395
Type of gen. func.: ogf

$$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 45, a(1) = 5445, a(2) = 554445\}$$

Sequence: A178632
Score: 6.28758
Type of gen. func.: lgdogf

$$-\frac{20000 x^3 - 8100 x^2 - 2220 x + 121}{(x - 1) (1 + 10 x) (100 x - 1) (10 x - 1)}$$

Sequence: A178632
Score: 6.63938
Type of gen. func.: ogf

$$-\frac{45 (1 + 10 x)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A178633
Score: 4.47064
Type of gen. func.: ogf

$$(13579795031 f(x) - 16762366800) (1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - f(x) + 540 x + 54)$$

Sequence: A178633
Score: 4.64393
Type of gen. func.: ogf

$$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 54, a(1) = 6534, a(2) = 665334\}$$

Sequence: A178633
Score: 6.28758
Type of gen. func.: lgdogf

$$-\frac{20000 x^3 - 8100 x^2 - 2220 x + 121}{(x - 1) (1 + 10 x) (100 x - 1) (10 x - 1)}$$

Sequence: A178633
Score: 9.36042
Type of gen. func.: ogf

$$-\frac{54 (1 + 10 x)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A178634
Score: 3.17104
Type of gen. func.: ogf

$$(13579795031 f(x) - 19556094600)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - f(x) + 630 x + 63)$$

Sequence: A178634
Score: 3.29395
Type of gen. func.: ogf

$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 63, a(1) = 7623,$

$a(2) = 776223\}$

Sequence: A178634
Score: 6.28758
Type of gen. func.: lgdogf

$$-\frac{20000 x^3 - 8100 x^2 - 2220 x + 121}{(x - 1) (1 + 10 x) (100 x - 1) (10 x - 1)}$$

Sequence: A178634
Score: 6.63938
Type of gen. func.: ogf

$$-\frac{63 (1 + 10 x)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A178635
Score: 3.17104
Type of gen. func.: ogf

$$(13579795031 f(x) - 22349822400)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - f(x) + 720 x + 72)$$

Sequence: A178635
Score: 3.29395
Type of gen. func.: ogf

$$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 72, a(1) = 8712, a(2) = 887112\}$$

Sequence: A178635
Score: 6.28758
Type of gen. func.: lgdogf

$$-\frac{20000 x^3 - 8100 x^2 - 2220 x + 121}{(x - 1) (1 + 10 x) (100 x - 1) (10 x - 1)}$$

Sequence: A178635
Score: 6.63938
Type of gen. func.: ogf

$$-\frac{72 (1 + 10 x)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A178664
Score: 6.21010
Type of gen. func.: ogf

$$-\frac{2048000 x^{10} - 115200 x^7 - 1440 x^4 - 11}{(2 x - 1) (1024000 x^{10} - 1)}$$

Sequence: A178671
Score: 11.4708
Type of gen. func.: ogf

$$5 f(x) x^2 - 6 f(x) x + f(x) - 24 x + 4$$

Sequence: A178671
Score: 15.9593
Type of gen. func.: ogf

$$\frac{4 (6 x - 1)}{(5 x - 1) (x - 1)}$$

Sequence: A178671
Score: 19.1519
Type of gen. func.: revogf

$$\frac{-2 + 3 x + 2 (x^2 + 3 x + 1)^{1/2}}{-24 + 5 x}$$

Sequence: A178671
Score: 20.2159
Type of gen. func.: lgdogf

$$- \frac{10 x (3 x - 1)}{(x - 1) (6 x - 1) (5 x - 1)}$$

Sequence: A178671
Score: 9.06333
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 5 a(n), a(0) = -4, a(1) = 0\}$$

Sequence: A178672
Score: 12.0035
Type of gen. func.: ogf

$$-6 f(x) x^2 + 7 f(x) x - f(x) + 30 x$$

Sequence: A178672
Score: 14.8112
Type of gen. func.: revogf

$$-\frac{-30 - 7 x + (5 x^2 + 84 x + 180)^{1/2} 5^{1/2}}{12 x}$$

Sequence: A178672
Score: 18.9529
Type of gen. func.: ogf

$$\frac{30 x}{(6 x - 1) (x - 1)}$$

Sequence: A178672
Score: 28.4376
Type of gen. func.: lgdogf

$$-\frac{-7 + 12 x}{(6 x - 1) (x - 1)}$$

Sequence: A178672
Score: 8.78307
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) + 6 a(n), a(0) = 0, a(1) = 30\}$$

Sequence: A178674
Score: 16.3712
Type of gen. func.: ogf

$$-\frac{2 (5 x - 2)}{(3 x - 1) (x - 1)}$$

Sequence: A178674
Score: 19.4671
Type of gen. func.: lgdogf

$$-\frac{3\,(5\,x^{2}-4\,x+1)}{(x-1)\,(3\,x-1)\,(5\,x-2)}$$

Sequence: A178674
Score: 20.5486
Type of gen. func.: revogf

$$-\frac{-2-2\,x+(x^{2}-2\,x+4)^{1/2}}{10+3\,x}$$

Sequence: A178674
Score: 8.36754
Type of gen. func.: ogf

$$-(f(x)+5)\,(3\,f(x)\,x^{2}-4\,f(x)\,x+f(x)+10\,x-4)$$

Sequence: A178674
Score: 9.18387
Type of gen. func.: ogf

$$\{a(n+2)-4\,a(n+1)+3\,a(n),\ a(0)=4,\ a(1)=6\}$$

Sequence: A178675
Score: 16.9988
Type of gen. func.: ogf

$$-\frac{17\,x-5}{(4\,x-1)\,(x-1)}$$

Sequence: A178675
Score: 17.4753
Type of gen. func.: revogf

$$-5-5\,x+(9\,x^{2}-18\,x+25)^{1/2}$$

```
- --------------------------------
          2 (17 + 4 x)
```

Sequence: A178675
Score: 18.7539
Type of gen. func.: lgdogf

$$-\frac{4\,(17\,x^{2}-10\,x+2)}{(17\,x-5)\,(x-1)\,(4\,x-1)}$$

Sequence: A178675
Score: 8.49938
Type of gen. func.: ogf

$$-(45\,f(x)+31)\,(4\,f(x)\,x^{2}-5\,f(x)\,x+f(x)+17\,x-5)$$

Sequence: A178675
Score: 9.53590
Type of gen. func.: ogf

$$\{a(n+2)-5\,a(n+1)+4\,a(n),\ a(0)=5,\ a(1)=8\}$$

Sequence: A178676
Score: 16.0975
Type of gen. func.: ogf

$$-\frac{2\,(13\,x-3)}{(5\,x-1)\,(x-1)}$$

Sequence: A178676
Score: 18.1943
Type of gen. func.: lgdogf

$$-\frac{5\,(13\,x^{2}-6\,x+1)}{(x-1)\,(13\,x-3)\,(5\,x-1)}$$

Sequence: A178676
Score: 19.1519
Type of gen. func.: revogf

$$-\frac{-3 - 3 x + (4 x^2 - 8 x + 9)^{1/2}}{26 + 5 x}$$

Sequence: A178676
Score: 8.13721
Type of gen. func.: ogf

$$-(6 f(x) - 11) (5 f(x) x^2 - 6 f(x) x + f(x) + 26 x - 6)$$

Sequence: A178676
Score: 8.92152
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 5 a(n), a(0) = 6, a(1) = 10\}$$

Sequence: A178681
Score: 11.9163
Type of gen. func.: revogf

$$-\frac{-7 - 7 x + (25 x^2 - 50 x + 49)^{1/2}}{2 (37 + 6 x)}$$

Sequence: A178681
Score: 11.9178
Type of gen. func.: ogf

$$-\frac{37 x - 7}{(6 x - 1) (x - 1)}$$

Sequence: A178681
Score: 13.0789
Type of gen. func.: lgdogf

$$6 (37 x^2 - 14 x + 2)$$

$$-\frac{}{(x-1)\,(6x-1)\,(37x-7)}$$

Sequence: A178681
Score: 5.83212
Type of gen. func.: ogf

$$-(175\,f(x) - 649)\,(6\,f(x)\,x^2 - 7\,f(x)\,x + f(x) + 37\,x - 7)$$

Sequence: A178681
Score: 6.60505
Type of gen. func.: ogf

$$\{a(n+2) - 7\,a(n+1) + 6\,a(n),\ a(0) = 7,\ a(1) = 12\}$$

Sequence: A178683
Score: 5.78650
Type of gen. func.: lgdogf

$$-\frac{2\,(25x^9 + 21x^8 + 30x^7 + 40x^6 + 3x^5 - 9x^4 - 22x^3 - 6x^2 - 3x - 1)}{(x-1)\,(5x^3 - 1)\,(4x^6 + 5x^4 - 2x^3 + 3x^2 + 2x + 1)\,(x^2 + x + 1)}$$

Sequence: A178683
Score: 8.43181
Type of gen. func.: ogf

$$\frac{x\,(4x^6 + 5x^4 - 2x^3 + 3x^2 + 2x + 1)}{(x-1)\,(x^2 + x + 1)\,(5x^3 - 1)}$$

Sequence: A178690
Score: 5.03008
Type of gen. func.: lgdogf

$$-\frac{2\,(7200x^6 - 18800x^5 + 19236x^4 - 9744x^3 + 2583x^2 - 343x + 18)}{(x-1)\,(6x-1)\,(4x-1)\,(2x-1)\,(5x-1)\,(20x^2 - 18x + 3)}$$

Sequence: A178690
Score: 7.22113
Type of gen. func.: ogf

$$-\frac{12 x^3 (20 x^2 - 18 x + 3)}{(x - 1) (6 x - 1) (4 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A178703
Score: 11.0652
Type of gen. func.: ogf

$$\frac{x^2}{(3 x - 1) (x - 1) (x^2 - x + 1)}$$

Sequence: A178703
Score: 12.0821
Type of gen. func.: lgdogf

$$-\frac{12 x^3 - 21 x^2 + 16 x - 5}{(x - 1) (3 x - 1) (x^2 - x + 1)}$$

Sequence: A178703
Score: 5.92381
Type of gen. func.: ogf

$$-3 f(x) x^4 + 7 f(x) x^3 - 8 f(x) x^2 + 5 f(x) x + x^2 - f(x)$$

Sequence: A178704
Score: 6.30600
Type of gen. func.: ogf

$$-\frac{x^2 (2 x^2 - x + 1)}{(x + 1) (3 x - 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A178704
Score: 6.82284
Type of gen. func.: lgdogf

$$-\frac{24 x^{6} - 33 x^{5} + 33 x^{4} - 13 x^{3} + 3 x^{2} + 6 x - 4}{(x - 1) (3 x - 1) (x + 1) (x^{2} - x + 1) (2 x^{2} - x + 1)}$$

Sequence: A178706
Score: 10.1084
Type of gen. func.: lgdogf

$$-\frac{2 (6 x^{4} + 3 x^{3} - 3 x^{2} + 5 x - 3)}{(x - 1) (3 x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A178706
Score: 8.02515
Type of gen. func.: ogf

$$-\frac{x (x + 1)}{(3 x - 1) (x^{2} + 1) (x - 1)^{2}}$$

Sequence: A178710
Score: 11.3452
Type of gen. func.: lgdogf

$$-\frac{16 x^{4} + 41 x^{3} + 3 x^{2} + 5 x - 11}{(x - 1) (x + 2) (4 x - 1) (x^{2} + x + 1)}$$

Sequence: A178710
Score: 9.61255
Type of gen. func.: ogf

```
                x (x + 2)
  - -------------------------------
                2                  2
```

$$(4x - 1)(x + x + 1)(x - 1)$$

Sequence: A178711
Score: 8.80770
Type of gen. func.: ogf

$$-\frac{x(2x^2 - x + 3)}{(5x - 1)(x + 1)(x^2 - x + 1)(x - 1)^2}$$

Sequence: A178711
Score: 8.99823
Type of gen. func.: lgdogf

$$-\frac{40x^6 - 51x^5 + 111x^4 - 67x^3 + 9x^2 + 42x - 20}{(x - 1)(5x - 1)(x + 1)(x^2 - x + 1)(2x^2 - x + 3)}$$

Sequence: A178715
Score: 10.8790
Type of gen. func.: ogf

$$-\frac{x^{14} + 3x^{10} + x^6 + 2x^5 + 5x^4 + 4x^3 + 3x^2 + 2x + 1}{4x^5 - 1}$$

Sequence: A178719
Score: 15.7987
Type of gen. func.: ogf

$$-\frac{x^2}{(x + 1)(6x - 1)(x - 1)^2}$$

Sequence: A178719
Score: 23.0782
Type of gen. func.: lgdogf

$$-\frac{24 x^2 + 3 x - 7}{(x - 1) (6 x - 1) (x + 1)}$$

Sequence: A178719
Score: 4.27210
Type of gen. func.: ogf

$$\{(6 n + 18) a(n + 1) + (-n + 3) a(n + 2) + (-6 n - 13) a(n + 3) + (n + 2) a(n + 4), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 7\}$$

Sequence: A178719
Score: 6.92009
Type of gen. func.: ogf

$$(5 f(x) - 1) (6 f(x) x^4 - 7 f(x) x^3 - 5 f(x) x^2 + 7 f(x) x + x^2 - f(x))$$

Sequence: A178730
Score: 17.9994
Type of gen. func.: ogf

$$-\frac{x}{(x + 1) (7 x - 1) (x - 1)^2}$$

Sequence: A178730
Score: 24.9233
Type of gen. func.: lgdogf

$$-\frac{4 (7 x^2 + x - 2)}{(x - 1) (7 x - 1) (x + 1)}$$

Sequence: A178730
Score: 4.45441
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-22 - 7 n) a(n + 3) + (-n + 3) a(n + 2) + (28 + 7 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 8, a(3) = 58\}$$

Sequence: A178730
Score: 7.1705
Type of gen. func.: ogf

$$(4868 f(x) - 1127) (7 f(x) x^4 - 8 f(x) x^3 - 6 f(x) x^2 + 8 f(x) x - f(x) + x)$$

Sequence: A178742
Score: 10.9557
Type of gen. func.: lgdogf

$$- \frac{12 x^4 - 13 x^3 + 3 x^2 + 6 x - 4}{(x - 1) (2 x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A178742
Score: 9.52672
Type of gen. func.: ogf

$$- \frac{x^4}{(x + 1) (2 x - 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A178744
Score: 12.2322
Type of gen. func.: lgdogf

$$- \frac{48 x^4 + 23 x^3 + 9 x^2 - 8}{(x - 1) (3 x + 1) (4 x - 1) (x^2 + x + 1)}$$

Sequence: A178744
Score: 9.13961
Type of gen. func.: ogf

$$- \frac{x^2 (3 x + 1)}{(4 x - 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A178747
Score: 3.73376
Type of gen. func.: ogf

$$-\frac{4 x^3 - 2 x^2 - 1}{(4 x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A178747
Score: 5.24794
Type of gen. func.: ogf

$-(268514 f(x) + 106531)$

$$(16 f(x) x^4 + 12 f(x) x^3 - 8 f(x) x^2 + 4 x^3 - 3 f(x) x - 2 x^2 + f(x) - 1)$$

Sequence: A178748
Score: 2.98586
Type of gen. func.: ogf

$$-\frac{2 x^3 - 1}{(x + 1)^2 (2 x - 1)^2}$$

Sequence: A178748
Score: 6.44238
Type of gen. func.: ogf

$$(46 f(x) + 11) (4 f(x) x^4 + 4 f(x) x^3 - 3 f(x) x^2 + 2 x^3 - 2 f(x) x + f(x) - 1)$$

Sequence: A178750
Score: 8.47106
Type of gen. func.: ogf

$$-\frac{x^2 (x^2 + x + 2)}{(5 x - 1) (x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A178750
Score: 9.28180
Type of gen. func.: lgdogf

$$-\frac{20x^6+12x^5+42x^4-43x^3+21x^2+27x-15}{(x-1)(5x-1)(x+1)(x^2-x+1)(x^2+x+2)}$$

Sequence: A178759
Score: 10.8296
Type of gen. func.: lgdogf

$$-\frac{2(132x^4-301x^3+252x^2-91x+12)}{(x-1)(3x-1)(2x-1)(11x^2-12x+3)}$$

Sequence: A178759
Score: 7.87034
Type of gen. func.: ogf

$$\frac{6x^3(11x^2-12x+3)}{(x-1)^2(3x-1)^2(2x-1)^2}$$

Sequence: A178765
Score: 12.1826
Type of gen. func.: ogf

$$-f(x)x^2-17f(x)x+f(x)-x$$

Sequence: A178765
Score: 12.5496
Type of gen. func.: revogf

$$\frac{-1-17x+(293x^2+34x+1)^{1/2}}{2x}$$

Sequence: A178765
Score: 19.2357
Type of gen. func.: ogf

$$-\frac{x}{x^2 + 17 x - 1}$$

Sequence: A178765
Score: 21.6766
Type of gen. func.: lgdogf

$$-\frac{17 + 2 x}{x^2 + 17 x - 1}$$

Sequence: A178765
Score: 8.91412
Type of gen. func.: ogf

$$\{-a(n + 2) + 17 a(n + 1) + a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A178766
Score: 10.8889
Type of gen. func.: lgdogf

$$-\frac{x^6 + 6 x^5 - 3 x^4 - 8 x^3 + 3 x^2 + 6 x + 2}{(x^2 + x - 1) (x^2 - x - 1) (x^4 + x^3 - 2 x - 1)}$$

Sequence: A178766
Score: 12.2870
Type of gen. func.: ogf

$$-\frac{x^4 + x^3 - 2 x - 1}{(x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A178766
Score: 7.60625
Type of gen. func.: ogf

$$-(f(x) - 2) (f(x) x^4 + x^4 - 3 f(x) x^2 + x^3 + f(x) - 2 x - 1)$$

Sequence: A178769
Score: 11.9004
Type of gen. func.: ogf

$$-\frac{15 x - 2}{(10 x - 1) (x - 1)}$$

Sequence: A178769
Score: 12.4321
Type of gen. func.: revogf

$$-\frac{-2 - 11 x + (81 x^2 - 16 x + 4)^{1/2}}{10 (3 + 2 x)}$$

Sequence: A178769
Score: 13.6450
Type of gen. func.: lgdogf

$$-\frac{150 x^2 - 40 x + 7}{(x - 1) (15 x - 2) (10 x - 1)}$$

Sequence: A178769
Score: 6.07682
Type of gen. func.: ogf

$$-(37 f(x) - 25) (10 f(x) x^2 - 11 f(x) x + f(x) + 15 x - 2)$$

Sequence: A178769
Score: 6.80025
Type of gen. func.: ogf

{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 2, a(1) = 7}

Sequence: A178778
Score: 7.93738
Type of gen. func.: lgdogf

$$-\frac{108 x^6 - 126 x^5 - 30 x^4 + 69 x^3 - 3 x^2 - 13 x + 3}{(x - 1) (3 x - 1) (3 x^2 - 1) (6 x^3 - 4 x^2 - 2 x + 1)}$$

Sequence: A178778
Score: 8.90206
Type of gen. func.: ogf

$$\frac{6 x^3 - 4 x^2 - 2 x + 1}{(3 x - 1) (3 x^2 - 1) (x - 1)^2}$$

Sequence: A178787
Score: 6.55548
Type of gen. func.: ogf

$$-\frac{x^{11} - x^{10} - x^9 - x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 1}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A178789
Score: 14.6190
Type of gen. func.: ogf

$$-\frac{3 (3 x - 1)}{(4 x - 1) (x - 1)}$$

Sequence: A178789
Score: 15.7352
Type of gen. func.: revogf

2 1/2

$$-\frac{-3 - 5 x + (9 x - 6 x + 9)}{2 (9 + 4 x)}$$

Sequence: A178789
Score: 16.9775
Type of gen. func.: lgdogf

$$-\frac{2 (6 x^{2} - 4 x + 1)}{(x - 1) (3 x - 1) (4 x - 1)}$$

Sequence: A178789
Score: 7.39165
Type of gen. func.: ogf

$$-(5 f(x) - 3) (4 f(x) x^{2} - 5 f(x) x + f(x) + 9 x - 3)$$

Sequence: A178789
Score: 8.02263
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 4 a(n), a(0) = 3, a(1) = 6\}$$

Sequence: A178792
Score: 13.8327
Type of gen. func.: revogf

$$\frac{(-7 x + 1 + 3 (9 x^{2} + 2 x + 1)^{1/2}) x}{4 (2 x + 1)^{2}}$$

Sequence: A178792
Score: 4.23845
Type of gen. func.: ogf

$$\{(8 n + 20) a(n + 1) + (7 n + 17) a(n + 2) + (-3 - n) a(n + 3), a(0) = 1,$$
$$a(1) = 5, a(2) = 31\}$$

Sequence: A178792
Score: 7.12619
Type of gen. func.: ogf

$$8 f(x)^2 x^2 + 7 f(x)^2 x - f(x)^2 + 8 f(x) x - f(x) + 2$$

Sequence: A178795
Score: 7.32197
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{14} - x^{11} - x^9 - x^8 - x^6 - x^5 - x^3 - 1$$

Sequence: A178804
Score: 14.3184
Type of gen. func.: ogf

$$\frac{x^3 + x + 1}{(x^2 + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A178804
Score: 15.7451
Type of gen. func.: lgdogf

$$- \frac{(3 x^2 + 1) (x^4 + 2 x^2 + 2 x + 1)}{(x - 1) (x + 1) (x^2 + 1) (x^3 + x + 1)}$$

Sequence: A178815
Score: 13.7680
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1), a(0) = 3, a(1) = 2\}$$

Sequence: A178815
Score: 22.0287
Type of gen. func.: ogf

$$-f(x)\,x + f(x) + x - 3$$

Sequence: A178815
Score: 26.7917
Type of gen. func.: ogf

$$\frac{x - 3}{x - 1}$$

Sequence: A178815
Score: 31.3767
Type of gen. func.: revogf

$$3/2 + x/2 - \frac{(x^2 + 2\,x + 9)^{1/2}}{2}$$

Sequence: A178815
Score: 74.8214
Type of gen. func.: lgdogf

$$\frac{2}{(x - 1)\,(x - 3)}$$

Sequence: A178826
Score: 12.9196
Type of gen. func.: ogf

$$- \frac{x\,(3\,x + 5)}{(7\,x - 1)\,(x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A178826
Score: 14.3612
Type of gen. func.: lgdogf

$$- \frac{84\,x^4 + 187\,x^3 + 33\,x^2 + 27\,x - 43}{(3\,x + 5)\,(x - 1)\,(7\,x - 1)\,(x^2 + x + 1)}$$

Sequence: A178827
Score: 17.6127
Type of gen. func.: ogf

$$-\frac{x}{(x+1)(8x-1)(x-1)^2}$$

Sequence: A178827
Score: 25.6616
Type of gen. func.: lgdogf

$$-\frac{32x^2+5x-9}{(x-1)(8x-1)(x+1)}$$

Sequence: A178827
Score: 4.71452
Type of gen. func.: ogf

$$\{(n+3)\,a(n+4)+(-25-8n)\,a(n+3)+(4-n)\,a(n+2)$$
$$+(32+8n)\,a(n+1),\ a(0)=0,\ a(1)=1,\ a(2)=9,\ a(3)=74\}$$

Sequence: A178827
Score: 7.65143
Type of gen. func.: ogf

$$(8991 f(x)+731)(8 f(x) x^4-9 f(x) x^3-7 f(x) x^2+9 f(x) x-f(x)+x)$$

Sequence: A178828
Score: 11.5460
Type of gen. func.: lgdogf

$$-\frac{15x^3-13x^2+11x-5}{(x-1)(3x-1)(x^2+1)}$$

Sequence: A178828
Score: 9.43075
Type of gen. func.: ogf

$$-\frac{x^2}{(3x-1)(x^2+1)(x-1)^2}$$

Sequence: A178829
Score: 7.29224
Type of gen. func.: ogf

$$-\frac{x(x+2)}{(7x-1)(x^2+1)(x-1)^2}$$

Sequence: A178829
Score: 8.93808
Type of gen. func.: lgdogf

$$-\frac{28x^4+53x^3-35x^2+45x-19}{(x-1)(7x-1)(x+2)(x^2+1)}$$

Sequence: A178869
Score: 10.3514
Type of gen. func.: ogf

$$-10 f(x) x^2 + 9 f(x) x - f(x) + x$$

Sequence: A178869
Score: 16.1039
Type of gen. func.: revogf

$$-\frac{-9x-1+(41x^2+18x+1)^{1/2}}{20x}$$

Sequence: A178869
Score: 18.2671
Type of gen. func.: ogf

$$\frac{x}{10 x^2 - 9 x + 1}$$

Sequence: A178869
Score: 24.4779
Type of gen. func.: lgdogf

$$- \frac{-9 + 20 x}{10 x^2 - 9 x + 1}$$

Sequence: A178869
Score: 7.57417
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) + 10 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A178872
Score: 17.4825
Type of gen. func.: ogf

$$- \frac{x}{(4 x - 1) (x^2 + x + 1)}$$

Sequence: A178872
Score: 20.7943
Type of gen. func.: lgdogf

$$- \frac{3 (4 x^2 + 2 x + 1)}{(4 x - 1) (x^2 + x + 1)}$$

Sequence: A178872
Score: 6.45750

Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 3 a(n + 1) - 4 a(n), a(0) = 0, a(1) = 1, a(2) = 3\}$$

Sequence: A178872
Score: 6.95904
Type of gen. func.: ogf

$$-(3 f(x) + 1) (4 f(x) x^3 + 3 f(x) x^2 + 3 f(x) x - f(x) + x)$$

Sequence: A178873
Score: 4.19828
Type of gen. func.: ogf

$$(16674 f(x) - 4805) (5 f(x) x^4 - 11 f(x) x^3 + 12 f(x) x^2 - 7 f(x) x + 2 x^2 + f(x) - x)$$

Sequence: A178873
Score: 8.39655
Type of gen. func.: ogf

$$-\frac{x (2 x - 1)}{(5 x - 1) (x - 1) (x^2 - x + 1)}$$

Sequence: A178873
Score: 8.92413
Type of gen. func.: lgdogf

$$-\frac{30 x^4 - 64 x^3 + 57 x^2 - 24 x + 5}{(x - 1) (2 x - 1) (5 x - 1) (x^2 - x + 1)}$$

Sequence: A178874
Score: 11.6375
Type of gen. func.: lgdogf

$$2 (15 x^3 - 7 x^2 - 2 x + 2)$$

$$-\frac{}{(x-1)\,(2x-1)\,(5x-1)\,(x+1)}$$

Sequence: A178874
Score: 4.72736
Type of gen. func.: ogf

$$(3501\,f(x)+695)$$

$$(5\,f(x)\,x^{4}-6\,f(x)\,x^{3}-4\,f(x)\,x^{2}+6\,f(x)\,x-2\,x^{2}-f(x)+x)$$

Sequence: A178874
Score: 9.45471
Type of gen. func.: ogf

$$\frac{x\,(2x-1)}{(5x-1)\,(x+1)\,(x-1)^{2}}$$

Sequence: A178875
Score: 12.0213
Type of gen. func.: lgdogf

$$-\frac{16\,x^{4}-39\,x^{3}+3\,x^{2}-7\,x+9}{(x-1)\,(x-2)\,(4x-1)\,(x^{2}+x+1)}$$

Sequence: A178875
Score: 9.13961
Type of gen. func.: ogf

$$\frac{x^{2}\,(x-2)}{(4x-1)\,(x^{2}+x+1)\,(x-1)^{2}}$$

Sequence: A178885
Score: 14.7731
Type of gen. func.: ogf

2

$$\frac{x}{(x-1)(4x^3-4x^2+2x-1)}$$

Sequence: A178885
Score: 7.31192
Type of gen. func.: ogf

$$-4 f(x) x^4 + 8 f(x) x^3 - 6 f(x) x^2 + 3 f(x) x + x^2 - f(x)$$

Sequence: A178902
Score: 10.5374
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3x^3+5x^2-8x+5}{x^4-1}$$

Sequence: A178906
Score: 12.4122
Type of gen. func.: ogf

$$-100 f(x) x^2 + 111 f(x) x - f(x) + x$$

Sequence: A178906
Score: 15.4693
Type of gen. func.: revogf

$$-\frac{-111x - 1 + (131x+1)^{1/2} (1+91x)^{1/2}}{200x}$$

Sequence: A178906
Score: 21.1342
Type of gen. func.: ogf

$$\frac{x}{100x^2 - 111x + 1}$$

Sequence: A178906
Score: 24.9505
Type of gen. func.: lgdogf

$$-\frac{-111 + 200 x}{100 x^{2} - 111 x + 1}$$

Sequence: A178906
Score: 9.19960
Type of gen. func.: ogf

$$\{a(n + 2) - 111 a(n + 1) + 100 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A178914
Score: 13.3837
Type of gen. func.: lgdogf

$$\frac{810 x^{11} - 1710 x^{10} + 900 x^{9} - 11 x + 9}{(x - 1) (90 x^{11} - 90 x^{10} + 11 x - 10)}$$

Sequence: A178914
Score: 13.6398
Type of gen. func.: ogf

$$-\frac{90 x^{11} - 90 x^{10} + 11 x - 10}{(x - 1)^{2}}$$

Sequence: A178915
Score: 11.6636
Type of gen. func.: ogf

$$-\frac{3 x^{5} - 6 x^{4} + 3 x^{3} - 3 x^{2} + 6 x - 4}{(x - 1)^{2}}$$

Sequence: A178915
Score: 13.1492
Type of gen. func.: lgdogf

$$\frac{9 x^5 - 27 x^4 + 27 x^3 - 9 x^2 + 2}{(x - 1) (3 x^5 - 6 x^4 + 3 x^3 - 3 x^2 + 6 x - 4)}$$

Sequence: A178934
Score: 6.26353
Type of gen. func.: ogf

$$- \frac{x^5 - 2 x^4 - 6 x^3 + 4 x^2 - 4 x + 1}{(x - 1) (4 x - 1) (3 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A178935
Score: 5.71421
Type of gen. func.: lgdogf

$$- (168 x^9 - 193 x^8 + 200 x^7 - 7 x^6 + 74 x^5 - 157 x^4 + 80 x^3 - 45 x^2 + 30 x - 6) / ((x - 1) (4 x - 1) (3 x - 1) (x + 1) (x^2 + 1) (7 x^4 - 4 x^3 + 3 x^2 + x - 1))$$

Sequence: A178935
Score: 7.60223
Type of gen. func.: ogf

$$\frac{x (7 x^4 - 4 x^3 + 3 x^2 + x - 1)}{(x - 1) (4 x - 1) (3 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A178936
Score: 7.70145
Type of gen. func.: ogf

$$\frac{x^5 - 2 x^4 + 3 x^3 - 2 x^2 + 3 x - 1}{(x - 1) (3 x - 1) (2 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A178945
Score: 10.7499
Type of gen. func.: ogf

$$- \frac{(x - 1)^2}{(2 x^2 - 1) (2 x - 1)^2}$$

Sequence: A178945
Score: 15.8262
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^3 - 8 x^2 + 2 x + 1)}{(x - 1) (2 x - 1) (2 x^2 - 1)}$$

Sequence: A178945
Score: 3.70871
Type of gen. func.: ogf

$$\{(-4 n - 28) a(n + 1) + (2 n + 12) a(n + 2) + (2 n + 14) a(n + 3)$$
$$+ (-n - 6) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 7, a(3) = 16\}$$

Sequence: A178945
Score: 5.45398
Type of gen. func.: ogf

$$-(136 f(x) - 97)$$
$$(8 f(x) x^4 - 8 f(x) x^3 - 2 f(x) x^2 + 4 f(x) x + x^2 - f(x) - 2 x + 1)$$

Sequence: A178946
Score: 10.6419

Type of gen. func.: lgdogf

$$-\frac{2x^5+5x^4+22x^3+16x^2+16x+3}{(x-1)(x+1)(x^4+x^3+4x^2+x+1)}$$

Sequence: A178946
Score: 7.20653
Type of gen. func.: ogf

$$\frac{x^4+x^3+4x^2+x+1}{(x+1)^2(x-1)^4}$$

Sequence: A178947
Score: 8.15548
Type of gen. func.: ogf

$$\frac{3x^4+4x^3+8x^2+2x+1}{(x+1)^2(x-1)^4}$$

Sequence: A178947
Score: 9.32987
Type of gen. func.: lgdogf

$$-\frac{2(3x^5+9x^4+26x^3+19x^2+13x+2)}{(x-1)(x+1)(3x^4+4x^3+8x^2+2x+1)}$$

Sequence: A178960
Score: 8.45692
Type of gen. func.: lgdogf

$$\frac{9x^{11}-19x^{10}+17x^9-15x^8+8x^7+2x^4-2x^3-6x^2-19x+27}{(x-1)(x^{11}-x^{10}+x^9-x^8+x^4+2x^3+19x-23)}$$

Sequence: A178960
Score: 9.41678
Type of gen. func.: ogf

$$-\frac{x^{11}-x^{10}+x^{9}-x^{8}+x^{4}+2x^{3}+19x-23}{(x-1)^{2}}$$

Sequence: A178972
Score: 5.73545
Type of gen. func.: ogf

$$\frac{4x^{5}(8x^{6}-7x^{5}-30x^{4}+23x^{3}+44x^{2}-26x-36)}{(x+1)^{3}(x-1)^{5}}$$

Sequence: A178972
Score: 7.71619
Type of gen. func.: lgdogf

$$-\frac{16x^{7}-5x^{6}-86x^{5}+20x^{4}+190x^{3}-25x^{2}-252x-98}{(x-1)(x+1)(8x^{6}-7x^{5}-30x^{4}+23x^{3}+44x^{2}-26x-36)}$$

Sequence: A178973
Score: 4.29631
Type of gen. func.: ogf

$$-4x^{6}(36x^{11}-47x^{10}-178x^{9}+228x^{8}+354x^{7}-419x^{6}-356x^{5}+297x^{4}+182x^{3}+178x^{2}+538x+147)\Big/\left((x+1)^{5}(x-1)^{7}\right)$$

Sequence: A178977
Score: 13.0425
Type of gen. func.: ogf

$$\frac{x^{2}-5x-5}{}$$

$$(x - 1)^3$$

Sequence: A178977
Score: 25.1731
Type of gen. func.: lgdogf

$$-\frac{(x + 2)\,(x - 10)}{(x - 1)\,(x^2 - 5\,x - 5)}$$

Sequence: A178977
Score: 6.97888
Type of gen. func.: ogf

$$(57\,f(x) - 461)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x - x^2 - f(x) + 5\,x + 5)$$

Sequence: A178977
Score: 6.97888
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 5,\ a(1) = 20,\ a(2) = 44\}$$

Sequence: A178982
Score: 13.9084
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^4 + 3\,x^3 - x^2 - x - 1)}{(x - 1)\,(x^2 + x + 1)\,(x^2 + x - 1)}$$

Sequence: A178982
Score: 17.3895
Type of gen. func.: ogf

$$-\frac{x^3}{(x^2 + x + 1)\,(x^2 + x - 1)\,(x - 1)^2}$$

Sequence: A178987
Score: 11.0882
Type of gen. func.: ogf

$$-\frac{x\,(4\,x-1)}{(2\,x-1)^{3}}$$

Sequence: A178987
Score: 22.1764
Type of gen. func.: lgdogf

$$-\frac{2\,(8\,x-1)}{(4\,x-1)\,(2\,x-1)}$$

Sequence: A178987
Score: 5.7421
Type of gen. func.: ogf

$$-(2\,f(x)-1)\,(8\,f(x)\,x^{3}-12\,f(x)\,x^{2}+6\,f(x)\,x+4\,x^{2}-f(x)-x)$$

Sequence: A178987
Score: 5.74210
Type of gen. func.: ogf

$$\{-a(n+3)+6\,a(n+2)-12\,a(n+1)+8\,a(n),\ a(0)=0,\ a(1)=-1,\ a(2)=-2\}$$

Sequence: A179001
Score: 9.32710
Type of gen. func.: ogf

$$-\frac{x^{4}\,(x^{4}+x^{3}+1)}{(x+1)\,(x^{2}+1)\,(x^{2}+x-1)\,(x^{4}+1)\,(x-1)^{2}}$$

Sequence: A179005
Score: 8.77108
Type of gen. func.: ogf

$$-\frac{x\,(x^{21} - x^{20} + x^{18} - x^{17} + x^{2} - x - 1)}{(x - 1)^{2}}$$

Sequence: A179005
Score: 9.02355
Type of gen. func.: lgdogf

$$\frac{19\,x^{21} - 39\,x^{20} + 20\,x^{19} + 16\,x^{18} - 33\,x^{17} + 17\,x^{16} - x + 3}{(x - 1)\,(x^{21} - x^{20} + x^{18} - x^{17} + x^{2} - x - 1)}$$

Sequence: A179006
Score: 8.26317
Type of gen. func.: ogf

$$-\frac{x^{5}}{(x^{2} + x + 1)\,(x^{2} - x + 1)\,(x^{2} + x - 1)\,(x - 1)^{2}}$$

Sequence: A179006
Score: 9.21855
Type of gen. func.: lgdogf

$$-\frac{8\,x^{6} + x^{5} - 5\,x^{4} + 5\,x^{3} - 3\,x^{2} + 3\,x - 3}{(x - 1)\,(x^{2} + x + 1)\,(x^{2} - x + 1)\,(x^{2} + x - 1)}$$

Sequence: A179018
Score: 5.95515
Type of gen. func.: lgdogf

$$-\frac{(x + 1)\,(3\,x^{6} + 4\,x^{5} + x^{4} - 6\,x^{3} + x^{2} - 2\,x + 2)}{(x - 1)\,(x^{2} + x + 1)\,(x^{2} + x - 1)\,(x^{3} + x^{2} - 1)}$$

Sequence: A179018
Score: 7.39629
Type of gen. func.: ogf

$$\frac{x (x^3 + x^2 - 1)}{(x^2 + x + 1) (x^2 + x - 1) (x - 1)^2}$$

Sequence: A179023
Score: 13.8462
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^5 + 2 x^3 - 6 x^2 + 2)}{(x - 1) (x^2 + x - 1) (2 x^3 - 1)}$$

Sequence: A179023
Score: 3.73829
Type of gen. func.: ogf

$$\{(-n^2 - 7 n - 12) a(n + 1) + (2 n^2 + 10 n + 8) a(n + 3)$$

$$+ (-n^2 - 4 n - 3) a(n + 4), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 12\}$$

Sequence: A179023
Score: 9.62738
Type of gen. func.: ogf

$$- \frac{x (2 x^3 - 1)}{(x - 1)^2 (x^2 + x - 1)^2}$$

Sequence: A179041
Score: 6.39914
Type of gen. func.: ogf

$$\frac{x (x^8 + x^7 + x^3 + x^2 - 1)}{(x + 1) (x^2 + 1) (x^2 + x - 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A179042
Score: 6.73791
Type of gen. func.: ogf

$$\frac{x (x^6 + x^5 + x^3 + x^2 - 1)}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + x - 1) (x - 1)^2}$$

Sequence: A179051
Score: 10.8144
Type of gen. func.: lgdogf

$$- \frac{11 x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A179051
Score: 22.8117
Type of gen. func.: ogf

$$\frac{1}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A179051
Score: 46.6077
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + 1$$

Sequence: A179052
Score: 15.6701
Type of gen. func.: ogf

$$- \frac{1}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^3}$$

Sequence: A179052
Score: 41.6286
Type of gen. func.: ogf_with_Euler_transform]

$$x^{9}+2$$

Sequence: A179052
Score: 9.56542
Type of gen. func.: lgdogf

$$-\frac{2\,(6\,x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)}{(x-1)\,(x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{4}-x^{3}+x^{2}-x+1)}$$

Sequence: A179053
Score: 5.10994
Type of gen. func.: ogf

$$x\,(x^{10}+x^{9}+x^{7}+x^{5}+x^{4}+x^{3}+x^{2}-1)\Big/\Big((x+1)\,(x^{2}+x-1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{4}-x^{3}+x^{2}-x+1)\,(x-1)^{2}\Big)$$

Sequence: A179054
Score: 8.42266
Type of gen. func.: lgdogf

$$-\frac{2\,x^{10}+2\,x^{9}+3\,x^{8}+4\,x^{7}-6\,x^{6}-2\,x^{4}-4\,x^{3}-12\,x^{2}-2\,x-1}{(x-1)\,(x+1)\,(x^{2}+1)\,(2\,x^{7}+x^{6}+x^{5}+x^{4}-4\,x^{3}-x^{2}-x-1)}$$

Sequence: A179054
Score: 9.99975
Type of gen. func.: ogf

$$-\frac{2\,x^{7}+x^{6}+x^{5}+x^{4}-4\,x^{3}-x^{2}-x-1}{{}^{2}\qquad{}^{2}\quad{}^{2}\qquad{}^{2}}$$

$$(x - 1)\ (x + 1)\ (x + 1)$$

Sequence: A179058
Score: 14.4208
Type of gen. func.: lgdogf

$$- \frac{4 (x^{3} + 12 x^{2} + 18 x + 4)}{(x - 1) (x + 1) (x^{2} + 8 x + 1)}$$

Sequence: A179058
Score: 5.82690
Type of gen. func.: ogf

$$- \frac{6 x^{2} (x + 1) (x^{2} + 8 x + 1)}{(x - 1)^{7}}$$

Sequence: A179058
Score: 5.87801
Type of gen. func.: ogf

$$\{(n^{2} + 6 n + 9) a(n + 1) - a(n + 2) n^{2}, a(0) = 0, a(1) = 0, a(2) = 6\}$$

Sequence: A179059
Score: 10.6151
Type of gen. func.: lgdogf

$$- \frac{5 (x^{4} + 20 x^{3} + 60 x^{2} + 40 x + 5)}{(x - 1) (x^{4} + 16 x^{3} + 36 x^{2} + 16 x + 1)}$$

Sequence: A179059
Score: 4.43889
Type of gen. func.: ogf

$$- \frac{24 x^{3} (x^{4} + 16 x^{3} + 36 x^{2} + 16 x + 1)}{}$$

$$(x - 1)^9$$

Sequence: A179059
Score: 4.65770
Type of gen. func.: ogf

$$\{(n^2 + 6 n + 9) a(n + 1) + (-n^2 + 2 n - 1) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 24\}$$

Sequence: A179060
Score: 3.82774
Type of gen. func.: ogf

$$\{(n^2 + 6 n + 9) a(n + 1) + (-n^2 + 4 n - 4) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 120\}$$

Sequence: A179060
Score: 7.55733
Type of gen. func.: lgdogf

$$- \frac{6 (x^5 + 30 x^4 + 150 x^3 + 200 x^2 + 75 x + 6)}{(x - 1) (x + 1) (x^4 + 24 x^3 + 76 x^2 + 24 x + 1)}$$

Sequence: A179061
Score: 3.54065
Type of gen. func.: ogf

$$\{(n^2 + 6 n + 9) a(n + 1) + (-n^2 + 6 n - 9) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 720\}$$

Sequence: A179062
Score: 3.11294
Type of gen. func.: ogf

$$\{(n^2 + 6 n + 9) a(n + 1) + (-n^2 + 8 n - 16) a(n + 2), a(0) = 0, a(1) = 0,$$

$a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 5040\}$

Sequence: A179063
Score: 3.30142
Type of gen. func.: ogf

$$\{(n^2 + 6 n + 9) a(n + 1) + (-n^2 + 10 n - 25) a(n + 2), a(0) = 0, a(1) = 0,$$

$$a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 0, a(7) = 40320\}$$

Sequence: A179070
Score: 16.5032
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^2 - x + 1)}{x^3 + x - 1}$$

Sequence: A179070
Score: 18.8956
Type of gen. func.: lgdogf

$$\frac{2 x^3 - 6 x^2 - 1}{(x + 1) (x^2 - x + 1) (x^3 + x - 1)}$$

Sequence: A179070
Score: 7.09349
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 3) + a(n + 1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 3\}$$

Sequence: A179070
Score: 8.51219
Type of gen. func.: ogf

$$-(19 f(x) - 15) (f(x) x^3 + x^3 + f(x) x - f(x) + 1)$$

Sequence: A179088
Score: 10.8733
Type of gen. func.: lgdogf

$$-\frac{3 x^5 + 15 x^4 + 96 x^3 + 68 x^2 + 73 x + 9}{(x - 1) (x + 1) (3 x^4 + 6 x^3 + 26 x^2 + 6 x + 3)}$$

Sequence: A179088
Score: 8.83846
Type of gen. func.: ogf

$$-\frac{3 x^4 + 6 x^3 + 26 x^2 + 6 x + 3}{(x + 1)^2 (x - 1)^3}$$

Sequence: A179095
Score: 21.0637
Type of gen. func.: lgdogf

$$-\frac{5 (3 x^2 + 6 x + 2)}{(x - 1) (5 x^2 + 5 x + 1)}$$

Sequence: A179095
Score: 4.20287
Type of gen. func.: ogf

$\{(n + 3) a(n + 4) + (-2 + 4 n) a(n + 3) - 30 a(n + 2) + (-15 - 5 n) a(n + 1),$

$a(0) = 0, a(1) = 1, a(2) = 10, a(3) = 45\}$

Sequence: A179095
Score: 9.26658
Type of gen. func.: ogf

$$-\frac{x (5 x^2 + 5 x + 1)}{(x - 1)^5}$$

Sequence: A179096
Score: 14.9178
Type of gen. func.: lgdogf

$$-\frac{3 (x + 1) (x^2 + 20 x + 5)}{(x - 1) (x^3 + 15 x^2 + 9 x + 1)}$$

Sequence: A179096
Score: 3.55415
Type of gen. func.: ogf

$$\{(-611 n^2 - 4033 n - 6600) a(n + 1) + (390 n^2 - 1048 n - 5308) a(n + 2)$$
$$+ (221 n^2 + 921 n + 958) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 15\}$$

Sequence: A179096
Score: 6.89717
Type of gen. func.: ogf

$$\frac{x (x^3 + 15 x^2 + 9 x + 1)}{(x - 1)^6}$$

Sequence: A179097
Score: 12.6921
Type of gen. func.: lgdogf

$$-\frac{7 (4 x^3 + 28 x^2 + 22 x + 3)}{(x - 1) (7 x^3 + 35 x^2 + 14 x + 1)}$$

Sequence: A179097
Score: 6.03687
Type of gen. func.: ogf

$$3 \quad 2$$

$$-\frac{x (7 x + 35 x + 14 x + 1)}{(x - 1)^{7}}$$

Sequence: A179098
Score: 10.7900
Type of gen. func.: lgdogf

$$-\frac{4 (x^{4} + 36 x^{3} + 126 x^{2} + 70 x + 7)}{(x - 1) (x^{4} + 28 x^{3} + 70 x^{2} + 20 x + 1)}$$

Sequence: A179098
Score: 5.34702
Type of gen. func.: ogf

$$\frac{x (x^{4} + 28 x^{3} + 70 x^{2} + 20 x + 1)}{(x - 1)^{8}}$$

Sequence: A179099
Score: 4.62142
Type of gen. func.: ogf

$$-\frac{x (9 x^{4} + 84 x^{3} + 126 x^{2} + 27 x + 1)}{(x - 1)^{9}}$$

Sequence: A179099
Score: 9.43891
Type of gen. func.: lgdogf

$$-\frac{9 (5 x^{4} + 60 x^{3} + 126 x^{2} + 52 x + 4)}{(x - 1) (9 x^{4} + 84 x^{3} + 126 x^{2} + 27 x + 1)}$$

Sequence: A179111
Score: 10.1320

Type of gen. func.: ogf

$$-x^6 / ((x+1)(x^2+x-1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x-1)^2)$$

Sequence: A179111
Score: 5.60493
Type of gen. func.: lgdogf

$$-(13x^{11}+13x^{10}-9x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2-2x-2) / ((x-1)(x+1)(x^2+x-1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1))$$

Sequence: A179123
Score: 6.82158
Type of gen. func.: lgdogf

$$-\frac{4x^8-10x^7-71x^6+28x^5+326x^4-74x^3-59x^2+8x+10}{(x-1)(4x^4-5x^3-36x^2+5x+5)(x^4-8x^2+1)}$$

Sequence: A179123
Score: 7.83421
Type of gen. func.: ogf

$$-\frac{4x^4-5x^3-36x^2+5x+5}{(x-1)(x^4-8x^2+1)}$$

Sequence: A179131
Score: 7.23652
Type of gen. func.: ogf

$$-\frac{4x^6+5x^5+5x^4-47x^3-25x^2-5x-1}{(x^2-3x+1)(x^4+3x^3+8x^2+3x+1)}$$

Sequence: A179132
Score: 7.02158
Type of gen. func.: ogf

$$- \frac{3 x^6 + 6 x^5 + 7 x^4 - 18 x^3 - 14 x^2 - 3 x - 1}{(x^2 - 3 x + 1) (x^4 + 3 x^3 + 8 x^2 + 3 x + 1)}$$

Sequence: A179133
Score: 8.18999
Type of gen. func.: ogf

$$- \frac{x^5 + 4 x^4 + 10 x^3 - 5 x^2 - 4 x - 2}{(x^2 - 3 x + 1) (x^4 + 3 x^3 + 8 x^2 + 3 x + 1)}$$

Sequence: A179134
Score: 7.70353
Type of gen. func.: ogf

$$- \frac{2 x^5 + 4 x^4 + 5 x^3 - 10 x^2 - 4 x - 1}{(x^2 - 3 x + 1) (x^4 + 3 x^3 + 8 x^2 + 3 x + 1)}$$

Sequence: A179135
Score: 11.0967
Type of gen. func.: ogf

$$- \frac{10 x - 3}{25 x^2 - 15 x + 1}$$

Sequence: A179135
Score: 11.3328
Type of gen. func.: revogf

$$- \frac{-3 - 15 x + (125 x^2 + 50 x + 9)^{1/2}}{}$$

$$10 (2 + 5 x)$$

Sequence: A179135
Score: 5.72736
Type of gen. func.: ogf

$$-(15 f(x) + 4) (25 f(x) x^2 - 15 f(x) x + f(x) + 10 x - 3)$$

Sequence: A179135
Score: 6.26639
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1) + 25 a(n), a(0) = 3, a(1) = 35\}$$

Sequence: A179167
Score: 4.57734
Type of gen. func.: ogf

$$\{a(n + 4) - 5 a(n + 3) + 5 a(n + 2) - a(n + 1), a(0) = 3, a(1) = 4, a(2) = 11, a(3) = 37\}$$

Sequence: A179167
Score: 4.94649
Type of gen. func.: ogf

$$(229 f(x) - 102) (f(x) x^3 - 5 f(x) x^2 - x^3 + 5 f(x) x + 6 x^2 - f(x) - 11 x + 3)$$

Sequence: A179167
Score: 8.76234
Type of gen. func.: ogf

$$\frac{x^3 - 6 x^2 + 11 x - 3}{(x - 1) (x^2 - 4 x + 1)}$$

Sequence: A179167
Score: 9.38518

Type of gen. func.: lgdogf

$$\frac{x^4 - 12 x^3 + 31 x^2 - 18 x + 4}{(x - 1) (x^2 - 4 x + 1) (x^3 - 6 x^2 + 11 x - 3)}$$

Sequence: A179178
Score: 9.22667
Type of gen. func.: ogf

$$- \frac{x^7 - 2 x^6 + x^4 + x^3 + x^2 + 1}{(x - 1)^3}$$

Sequence: A179184
Score: 17.4649
Type of gen. func.: ogf

$$-x^3 - f(x) x + f(x) + x - 1$$

Sequence: A179184
Score: 20.5698
Type of gen. func.: ogf

$$- \frac{x^3 - x + 1}{x - 1}$$

Sequence: A179184
Score: 32.7296
Type of gen. func.: lgdogf

$$\frac{x^2 (-3 + 2 x)}{(x - 1) (x^3 - x + 1)}$$

Sequence: A179184
Score: 9.84722

Type of gen. func.: ogf

$$\{-a(n+4)+a(n+3), a(0)=1, a(1)=0, a(2)=0, a(3)=1\}$$

Sequence: A179190
Score: 13.0069
Type of gen. func.: ogf

$$-4x^2-4x-3+4f(x)-f(x)^2$$

Sequence: A179190
Score: 8.32617
Type of gen. func.: lgdogf

$$-\frac{2\left(-4x^2+1-4x+2\left(-4x^2-4x+1\right)^{1/2}\right)(2x+1)}{(4x^2+4x-1)(4x^2+4x+3)}$$

Sequence: A179191
Score: 5.03823
Type of gen. func.: ogf

$$4f(x)^2x^2+4f(x)^2x+4f(x)x^2-f(x)^2+4f(x)x+x^2-f(x)+x$$

Sequence: A179207
Score: 11.3670
Type of gen. func.: ogf

$$\frac{2x^4-2x^3-x^2-1}{(x+1)(x-1)^3}$$

Sequence: A179207
Score: 17.2393
Type of gen. func.: lgdogf

$$-\frac{2(x^4+x^3-4x^2-3x-1)}{}$$

$$(x - 1) (x + 1) (2 x^4 - 2 x^3 - x^2 - 1)$$

Sequence: A179207
Score: 6.63833
Type of gen. func.: ogf

$$(9 f(x) - 101) (f(x) x^4 - 2 f(x) x^3 - 2 x^4 + 2 x^3 + 2 f(x) x + x^2 - f(x) + 1)$$

Sequence: A179237
Score: 15.8865
Type of gen. func.: ogf

$$\frac{4 x - 1}{x^2 + 6 x - 1}$$

Sequence: A179237
Score: 8.0325
Type of gen. func.: ogf

$$-(7 f(x) - 5) (f(x) x^2 + 6 f(x) x - f(x) - 4 x + 1)$$

Sequence: A179237
Score: 8.71820
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) + a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A179238
Score: 7.27312
Type of gen. func.: lgdogf

$$- \frac{2 x^9 - 3 x^8 + 12 x^7 + 4 x^6 + 6 x^5 + 18 x^4 + 28 x^3 + 15 x^2 + 6 x + 2}{(x^6 + 6 x^3 - 1) (x^4 - x^3 + 3 x^2 + 2 x + 1)}$$

Sequence: A179238
Score: 9.75788
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 + 3x^2 + 2x + 1}{x^6 + 6x^3 - 1}$$

Sequence: A179257
Score: 4.61591
Type of gen. func.: ogf

$$-\frac{x^5 - 4x^4 + 7x^3 - 8x^2 + 4x - 1}{(x - 1)^6}$$

Sequence: A179257
Score: 7.29533
Type of gen. func.: lgdogf

$$-\frac{x^5 - 3x^4 + 5x^3 - 11x^2 + 4x - 2}{(x - 1)(x^5 - 4x^4 + 7x^3 - 8x^2 + 4x - 1)}$$

Sequence: A179259
Score: 15.0455
Type of gen. func.: lgdogf

$$-\frac{2(x^3 - 5x^2 - 11x - 3)}{(x - 1)(2x^3 - 8x^2 - 2x - 1)}$$

Sequence: A179259
Score: 5.11547
Type of gen. func.: ogf

$(843 f(x) + 11402) ($

$$f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 4 x^3 - 4 f(x) x - 16 x^2 + f(x) - 4 x - 2)$$

Sequence: A179259
Score: 9.44395
Type of gen. func.: ogf

$$-\frac{2\,(2\,x^3 - 8\,x^2 - 2\,x - 1)}{(x - 1)^4}$$

Sequence: A179272
Score: 12.8060
Type of gen. func.: ogf

$$\frac{x^3 - 3\,x^2 + 1}{(x + 1)\,(x - 1)^3}$$

Sequence: A179272
Score: 16.6478
Type of gen. func.: lgdogf

$$-\frac{x^4 - 4\,x^3 - 3\,x^2 - 2\,x + 2}{(x - 1)\,(x + 1)\,(x^3 - 3\,x^2 + 1)}$$

Sequence: A179272
Score: 7.11445
Type of gen. func.: ogf

$$(46\,f(x) - 51)\,(f(x)\,x^4 - 2\,f(x)\,x^3 - x^3 + 2\,f(x)\,x + 3\,x^2 - f(x) - 1)$$

Sequence: A179297
Score: 20.7862
Type of gen. func.: lgdogf

$$-\frac{4\,x^2 + 7\,x - 3}{(x - 1)\,(2\,x - 1)\,(x + 1)}$$

Sequence: A179297
Score: 4.51379
Type of gen. func.: ogf

$$-(320 f(x) - 313)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + 2 x^2 + f(x) + x - 1)$$

Sequence: A179297
Score: 8.96217
Type of gen. func.: ogf

$$-\frac{(x + 1) (2 x - 1)}{(x - 1)^4}$$

Sequence: A179298
Score: 15.1340
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 27 x^2 + 6 x - 7}{(x - 1) (2 x - 1) (x^2 + 4 x + 1)}$$

Sequence: A179298
Score: 7.33645
Type of gen. func.: ogf

$$\frac{(2 x - 1) (x^2 + 4 x + 1)}{(x - 1)^5}$$

Sequence: A179309
Score: 6.35703
Type of gen. func.: ogf

$$- (10 x^{19} - 10 x^9 - 9 x^8 - 8 x^7 - 7 x^6 - 6 x^5 - 5 x^4 - 4 x^3 - 3 x^2 - 2 x - 1) / ((x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)$$

$$/\ (10 x^{10} - 1))$$

Sequence: A179327
Score: 31.6464
Type of gen. func.: egf]_with_Euler_transform]

$$\frac{1}{-x + 1}$$

Sequence: A179337
Score: 7.67058
Type of gen. func.: ogf

$$-\frac{5 x^4 + 30 x^3 + 62 x^2 + 30 x + 5}{(x + 1)^2 (x - 1)^3}$$

Sequence: A179337
Score: 8.91014
Type of gen. func.: lgdogf

$$-\frac{5 x^5 + 65 x^4 + 236 x^3 + 272 x^2 + 179 x + 35}{(x - 1) (x + 1) (5 x^4 + 30 x^3 + 62 x^2 + 30 x + 5)}$$

Sequence: A179338
Score: 7.69199
Type of gen. func.: ogf

$$-\frac{x^4 + 90 x^3 + 38 x^2 + 90 x + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A179338
Score: 9.28052
Type of gen. func.: lgdogf

$$-\frac{x^5 + 181 x^4 + 208 x^3 + 668 x^2 + 171 x + 91}{(x - 1) (x + 1) (x^4 + 90 x^3 + 38 x^2 + 90 x + 1)}$$

Sequence: A179339
Score: 6.96989
Type of gen. func.: ogf

$$-\frac{11 x^4 + 210 x^3 + 218 x^2 + 210 x + 11}{(x + 1)^2 (x - 1)^3}$$

Sequence: A179339
Score: 7.66375
Type of gen. func.: lgdogf

$$-\frac{11 x^5 + 431 x^4 + 908 x^3 + 1688 x^2 + 701 x + 221}{(x - 1) (x + 1) (11 x^4 + 210 x^3 + 218 x^2 + 210 x + 11)}$$

Sequence: A179370
Score: 7.46268
Type of gen. func.: ogf

$$-\frac{16 x^4 + 7 x^3 + 108 x^2 + 7 x + 16}{(x + 1)^2 (x - 1)^3}$$

Sequence: A179370
Score: 8.54615
Type of gen. func.: lgdogf

$$-\frac{16 x^5 + 30 x^4 + 395 x^3 + 157 x^2 + 303 x + 23}{(x - 1) (x + 1) (16 x^4 + 7 x^3 + 108 x^2 + 7 x + 16)}$$

Sequence: A179403
Score: 10.0181
Type of gen. func.: lgdogf

$$-\frac{2\,(5x^3-27x^2+57x-50)}{(x-1)(x-2)(5x^2-13x+14)}$$

Sequence: A179403
Score: 5.59996
Type of gen. func.: ogf

$$\frac{2x^3(x-2)(5x^2-13x+14)}{(x-1)^5}$$

Sequence: A179404
Score: 4.84901
Type of gen. func.: ogf

$$-\frac{4x^3(12x^6-67x^5+140x^4-112x^3-21x^2+66x+12)}{(x-1)^7}$$

Sequence: A179404
Score: 7.00247
Type of gen. func.: lgdogf

$$-\frac{12x^6-62x^5+85x^4+112x^3-441x^2+354x+150}{(x-1)(12x^6-67x^5+140x^4-112x^3-21x^2+66x+12)}$$

Sequence: A179424
Score: 4.17345
Type of gen. func.: ogf

$$x^3(160x^9-963x^8+2054x^7-1308x^6-963x^5-375x^4+5288x^3-5094x^2-467x-12)\Big/(x-1)^9$$

Sequence: A179436
Score: 11.5060
Type of gen. func.: ogf

$$\frac{2 x^2 - 4 x - 7}{(x - 1)^3}$$

Sequence: A179436
Score: 19.0836
Type of gen. func.: lgdogf

$$- \frac{2 x^2 - 4 x - 25}{(x - 1) (2 x^2 - 4 x - 7)}$$

Sequence: A179436
Score: 6.15671
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 7, a(1) = 25, a(2) = 52\}$$

Sequence: A179436
Score: 7.302
Type of gen. func.: ogf

$$(193 f(x) - 2359) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 2 x^2 - f(x) + 4 x + 7)$$

Sequence: A179441
Score: 4.51127
Type of gen. func.: ogf

$$\frac{x^3 + 10 x^2 + 15 x + 1}{(x - 1)^6}$$

Sequence: A179441
Score: 8.59124
Type of gen. func.: lgdogf

$$-\frac{3x^3+43x^2+95x+21}{(x-1)(x^3+10x^2+15x+1)}$$

Sequence: A179477
Score: 10.4627
Type of gen. func.: ogf

$$-\frac{10x^2-21x+10}{(10x-1)(x-1)^2}$$

Sequence: A179477
Score: 5.35116
Type of gen. func.: ogf

$(27654321 f(x) + 24635810)$

$(10 f(x) x^3 - 21 f(x) x^2 + 12 f(x) x + 10 x^2 - f(x) - 21 x + 10)$

Sequence: A179477
Score: 5.89076
Type of gen. func.: ogf

$\{a(n + 3) - 12 a(n + 2) + 21 a(n + 1) - 10 a(n), a(0) = 10, a(1) = 99,$

$a(2) = 988\}$

Sequence: A179477
Score: 5.99323
Type of gen. func.: lgdogf

$$-\frac{100x^3-320x^2+301x-99}{(x-1)(10x-1)(10x^2-21x+10)}$$

Sequence: A179483
Score: 4.94376
Type of gen. func.: ogf

$$\{-a(n + 5) + 6 a(n + 4) - 11 a(n + 3) + 6 a(n + 2), a(0) = 3, a(1) = -9, a(2) = 6, a(3) = 36, a(4) = 150\}$$

Sequence: A179483
Score: 5.18919
Type of gen. func.: ogf

$$-(270 f(x) + 421) (6 f(x) x^3 + 54 x^4 - 11 f(x) x^2 - 117 x^3 + 6 f(x) x + 93 x^2 - f(x) - 27 x + 3)$$

Sequence: A179483
Score: 8.81537
Type of gen. func.: ogf

$$- \frac{3 (18 x^4 - 39 x^3 + 31 x^2 - 9 x + 1)}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A179508
Score: 28.6257
Type of gen. func.: lgdegf]

$$\frac{x^2 + 3 x + 1}{(x + 2) (x + 1)}$$

Sequence: A179526
Score: 8.65545
Type of gen. func.: ogf

$$- \frac{27 x^{31} + 9 x^{28} + 3 x^{27} - 27 x^{13} - 9 x^4 - 3 x - 1}{(x - 1) (3 x^{27} - 1)}$$

Sequence: A179533
Score: 10.2716
Type of gen. func.: ogf

$$2 f(x)^2 x^3 + f(x)^2 x^2 - f(x)^2 x - 2 f(x) x^2 - f(x) x + f(x) - 1$$

Sequence: A179540
Score: 5.11302
Type of gen. func.: ogf

$$\{(-2 n - 6) a(n + 1) + (-2 n - 6) a(n + 2) + a(n + 3), a(0) = 0, a(1) = 1, a(2) = 4\}$$

Sequence: A179540
Score: 5.88635
Type of gen. func.: lgdegf]

$$\frac{2 (134093718750 x^{10} + 44697906250 x^9 - 2999997 x^2 - 3486483 x - 486486)}{44697906250 x^9 + 5999994 x^2 - 2027025 x - 486486}$$

Sequence: A179554
Score: 4.21063
Type of gen. func.: ogf

$$-(2 f(x) x + f(x) - 3 x - 1) (f(x) x - f(x) + 1)^2$$

Sequence: A179555
Score: 14.3061
Type of gen. func.: ogf

$$- \frac{11 x - 10}{(10 x - 1) (x - 1)}$$

Sequence: A179555
Score: 7.22682
Type of gen. func.: ogf

$$-(889 f(x) + 911) (10 f(x) x^2 - 11 f(x) x + f(x) + 11 x - 10)$$

Sequence: A179555
Score: 7.31174
Type of gen. func.: revogf

$$-\frac{-10 - 11 x + (81 x^2 + 176 x + 100)^{1/2}}{2 (11 + 10 x)}$$

Sequence: A179555
Score: 8.12415
Type of gen. func.: lgdogf

$$-\frac{110 x^2 - 200 x + 99}{(x - 1) (11 x - 10) (10 x - 1)}$$

Sequence: A179555
Score: 8.15117
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 10, a(1) = 99\}$$

Sequence: A179556
Score: 14.3061
Type of gen. func.: ogf

$$-\frac{21 x - 10}{(10 x - 1) (2 x - 1)}$$

Sequence: A179556
Score: 6.82713
Type of gen. func.: lgdogf

$$-\frac{420 x^2 - 400 x + 99}{(21 x - 10) (2 x - 1) (10 x - 1)}$$

Sequence: A179556
Score: 7.15308
Type of gen. func.: ogf

$$-(788 f(x) + 1921) (20 f(x) x^2 - 12 f(x) x + f(x) + 21 x - 10)$$

Sequence: A179556
Score: 7.47734
Type of gen. func.: revogf

$$- \frac{-5 - 6 x + (16 x^2 + 39 x + 25)^{1/2}}{21 + 20 x}$$

Sequence: A179556
Score: 8.15117
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 20 a(n), a(0) = 10, a(1) = 99\}$$

Sequence: A179557
Score: 14.3545
Type of gen. func.: revogf

$$\frac{-10 - 9 x + (121 x^2 + 216 x + 100)^{1/2}}{2 (9 + 10 x)}$$

Sequence: A179557
Score: 14.9149
Type of gen. func.: ogf

$$- \frac{9 x + 10}{(x + 1) (10 x - 1)}$$

Sequence: A179557
Score: 16.4052
Type of gen. func.: lgdogf

$$-\frac{90 x^2 + 200 x + 99}{(10 x - 1) (9 x + 10) (x + 1)}$$

Sequence: A179557
Score: 7.22682
Type of gen. func.: ogf

$$-(1091 f(x) - 1109) (10 f(x) x^2 + 9 f(x) x - f(x) + 9 x + 10)$$

Sequence: A179557
Score: 8.24707
Type of gen. func.: ogf

$$\{-a(n + 2) + 9 a(n + 1) + 10 a(n), a(0) = 10, a(1) = 99\}$$

Sequence: A179558
Score: 10.0343
Type of gen. func.: lgdogf

$$-\frac{2550 x^2 - 1000 x + 99}{(51 x - 10) (5 x - 1) (10 x - 1)}$$

Sequence: A179558
Score: 14.3061
Type of gen. func.: ogf

$$-\frac{51 x - 10}{(10 x - 1) (5 x - 1)}$$

Sequence: A179558
Score: 6.33744
Type of gen. func.: revegf]

$$1/10 \ln(50 x + 51) - 1/5 \operatorname{arctanh}(5 (98 x + 100)^{1/2}) - 1/10 \ln(51)$$

$$+ 1/5 \operatorname{arctanh}(50)$$

Sequence: A179558
Score: 7.15308
Type of gen. func.: ogf

$$-(485 f(x) + 4951) (50 f(x) x^2 - 15 f(x) x + f(x) + 51 x - 10)$$

Sequence: A179558
Score: 8.15117
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1) + 50 a(n), a(0) = 10, a(1) = 99\}$$

Sequence: A179571
Score: 4.31478
Type of gen. func.: ogf

$$-(106495 f(x) + 1421926) (2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 + 26 x^3 - 5 f(x) x - 83 x^2 + f(x) + 89 x - 31)$$

Sequence: A179571
Score: 8.30993
Type of gen. func.: ogf

$$- \frac{26 x^3 - 83 x^2 + 89 x - 31}{(2 x - 1) (x - 1)^3}$$

Sequence: A179571
Score: 9.16355
Type of gen. func.: lgdogf

$$- \frac{52 x^4 - 228 x^3 + 373 x^2 - 260 x + 66}{(x - 1) (2 x - 1) (26 x^3 - 83 x^2 + 89 x - 31)}$$

Sequence: A179572
Score: 5.41306
Type of gen. func.: ogf

$$-\frac{180 x^5 - 868 x^4 + 1677 x^3 - 1620 x^2 + 776 x - 146}{(2 x - 1)^2 (x - 1)^4}$$

Sequence: A179572
Score: 5.71548
Type of gen. func.: lgdogf

$$-\frac{360 x^6 - 2212 x^5 + 5690 x^4 - 7811 x^3 + 5969 x^2 - 2392 x + 392}{(x - 1) (2 x - 1) (180 x^5 - 868 x^4 + 1677 x^3 - 1620 x^2 + 776 x - 146)}$$

Sequence: A179579
Score: 4.26016
Type of gen. func.: ogf

$$-(135167 f(x) + 2687604) (2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 + 36 x^3 - 5 f(x) x - 110 x^2 + f(x) + 112 x - 37)$$

Sequence: A179579
Score: 8.10969
Type of gen. func.: ogf

$$-\frac{36 x^3 - 110 x^2 + 112 x - 37}{(2 x - 1) (x - 1)^3}$$

Sequence: A179579
Score: 8.91589
Type of gen. func.: lgdogf

$$-\frac{72 x^4 - 296 x^3 + 454 x^2 - 300 x + 73}{(x - 1) (2 x - 1) (36 x^3 - 110 x^2 + 112 x - 37)}$$

Sequence: A179580
Score: 5.01547
Type of gen. func.: ogf

$$-\frac{328 x^5 - 1536 x^4 + 2866 x^3 - 2658 x^2 + 1218 x - 219}{(2 x - 1)^2 (x - 1)^4}$$

Sequence: A179596
Score: 11.7871
Type of gen. func.: ogf

$$-\frac{x + 1}{(2 x + 1) (3 x^2 + 4 x - 1)}$$

Sequence: A179596
Score: 12.2346
Type of gen. func.: lgdogf

$$-\frac{12 x^3 + 29 x^2 + 22 x + 3}{(2 x + 1) (x + 1) (3 x^2 + 4 x - 1)}$$

Sequence: A179596
Score: 5.58337
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 11 a(n + 1) - 6 a(n), a(0) = 1, a(1) = 3, a(2) = 17\}$$

Sequence: A179596
Score: 5.8395
Type of gen. func.: ogf

$$(8279 f(x) + 156) (6 f(x) x^3 + 11 f(x) x^2 + 2 f(x) x - f(x) + x + 1)$$

Sequence: A179597
Score: 4.95589
Type of gen. func.: ogf

$$(105239 f(x) - 39574)$$

$$(6 f(x) x^3 + 11 f(x) x^2 + 2 f(x) x + 2 x^2 - f(x) + 5 x + 1)$$

Sequence: A179597
Score: 5.26019
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 11 a(n + 1) - 6 a(n), a(0) = 1, a(1) = 7, a(2) = 27\}$$

Sequence: A179597
Score: 8.89845
Type of gen. func.: lgdogf

$$- \frac{12 x^4 + 60 x^3 + 69 x^2 + 26 x + 7}{(2 x + 1) (2 x^2 + 5 x + 1) (3 x^2 + 4 x - 1)}$$

Sequence: A179597
Score: 9.67197
Type of gen. func.: ogf

$$- \frac{2 x^2 + 5 x + 1}{(2 x + 1) (3 x^2 + 4 x - 1)}$$

Sequence: A179598
Score: 13.3258
Type of gen. func.: ogf

$$- \frac{2 x + 1}{8 x^2 + 3 x - 1}$$

Sequence: A179598
Score: 13.9833

Type of gen. func.: revogf

$$\frac{-1 - 3 x + (41 x^2 + 14 x + 1)^{1/2}}{4 (4 x + 1)}$$

Sequence: A179598
Score: 15.4552
Type of gen. func.: lgdogf

$$- \frac{16 x^2 + 16 x + 5}{(2 x + 1) (8 x^2 + 3 x - 1)}$$

Sequence: A179598
Score: 6.97282
Type of gen. func.: ogf

$$(31 f(x) - 6) (8 f(x) x^2 + 3 f(x) x - f(x) + 2 x + 1)$$

Sequence: A179598
Score: 7.31295
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A179599
Score: 13.3258
Type of gen. func.: ogf

$$- \frac{4 x + 1}{8 x^2 + 3 x - 1}$$

Sequence: A179599
Score: 13.9833
Type of gen. func.: revogf

$$-1 - 3 x + (41 x^2 + 22 x + 1)^{1/2}$$

$$\overline{}$$
$$8 (2 x + 1)$$

Sequence: A179599
Score: 15.4552
Type of gen. func.: lgdogf

$$- \frac{32 x^2 + 16 x + 7}{(4 x + 1) (8 x^2 + 3 x - 1)}$$

Sequence: A179599
Score: 6.89267
Type of gen. func.: ogf

$$(37 f(x) + 12) (8 f(x) x^2 + 3 f(x) x - f(x) + 4 x + 1)$$

Sequence: A179599
Score: 7.31295
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A179600
Score: 11.6129
Type of gen. func.: ogf

$$- \frac{x + 1}{(2 x + 1) (2 x^2 + 4 x - 1)}$$

Sequence: A179600
Score: 12.2911
Type of gen. func.: lgdogf

$$- \frac{8 x^3 + 22 x^2 + 20 x + 3}{(2 x + 1) (x + 1) (2 x^2 + 4 x - 1)}$$

```
------------------------------------------------------------------------------

Sequence:  A179600
Score: 5.50086
Type of gen. func.: ogf


 {a(n + 3) - 2 a(n + 2) - 10 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 3, a(2) = 16}



------------------------------------------------------------------------------

Sequence:  A179600
Score: 5.80647
Type of gen. func.: ogf

                                3            2
      (3063 f(x) - 76) (4 f(x) x  + 10 f(x) x  + 2 f(x) x - f(x) + x + 1)



------------------------------------------------------------------------------

Sequence:  A179601
Score: 11.4018
Type of gen. func.: lgdogf

                                  3       2
                           2 (16 x  + 26 x  + 10 x + 3)
                     - -------------------------------------
                                                   2
                       (2 x + 1) (4 x + 1) (2 x  + 4 x - 1)



------------------------------------------------------------------------------

Sequence:  A179601
Score: 11.8452
Type of gen. func.: ogf

                                     4 x + 1
                          - --------------------------
                                          2
                            (2 x + 1) (2 x  + 4 x - 1)



------------------------------------------------------------------------------

Sequence:  A179601
Score: 5.61088
Type of gen. func.: ogf

                                 3            2
    -(7323 f(x) - 2362) (4 f(x) x  + 10 f(x) x  + 2 f(x) x - f(x) + 4 x + 1)



------------------------------------------------------------------------------

Sequence:  A179601
Score: 5.61088
Type of gen. func.: ogf
```

$\{-a(n + 3) + 2 a(n + 2) + 10 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 6, a(2) = 22\}$

Sequence: A179602
Score: 14.2142
Type of gen. func.: ogf

$$-\frac{2 x + 1}{7 x^2 + 3 x - 1}$$

Sequence: A179602
Score: 14.9309
Type of gen. func.: revogf

$$\frac{-1 - 3 x + (37 x^2 + 14 x + 1)^{1/2}}{2 (2 + 7 x)}$$

Sequence: A179602
Score: 16.5026
Type of gen. func.: lgdogf

$$-\frac{14 x^2 + 14 x + 5}{(2 x + 1) (7 x^2 + 3 x - 1)}$$

Sequence: A179602
Score: 7.43768
Type of gen. func.: ogf

$$(29 f(x) - 4) (7 f(x) x^2 + 3 f(x) x - f(x) + 2 x + 1)$$

Sequence: A179602
Score: 7.80049
Type of gen. func.: ogf

$\{a(n + 2) - 3 a(n + 1) - 7 a(n), a(0) = 1, a(1) = 5\}$

Sequence: A179603
Score: 13.0511
Type of gen. func.: ogf

$$-\frac{3 x + 1}{7 x^{2} + 3 x - 1}$$

Sequence: A179603
Score: 13.6889
Type of gen. func.: revogf

$$\frac{-1 - 3 x + (37 x^{2} + 18 x + 1)^{1/2}}{2 (3 + 7 x)}$$

Sequence: A179603
Score: 15.1298
Type of gen. func.: lgdogf

$$-\frac{21 x^{2} + 14 x + 6}{(3 x + 1) (7 x^{2} + 3 x - 1)}$$

Sequence: A179603
Score: 6.90939
Type of gen. func.: ogf

$$(8 f(x) + 1) (7 f(x) x^{2} + 3 f(x) x - f(x) + 3 x + 1)$$

Sequence: A179603
Score: 7.16217
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) - 7 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A179604
Score: 11.5362
Type of gen. func.: ogf

$$-\frac{x + 1}{(2 x + 1) (x^2 + 4 x - 1)}$$

Sequence: A179604
Score: 12.4766
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 15 x^2 + 18 x + 3}{(2 x + 1) (x + 1) (x^2 + 4 x - 1)}$$

Sequence: A179604
Score: 5.41081
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 9 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 3, a(2) = 15\}$$

Sequence: A179604
Score: 5.55838
Type of gen. func.: ogf

$$-(373 f(x) - 13) (2 f(x) x^3 + 9 f(x) x^2 + 2 f(x) x - f(x) + x + 1)$$

Sequence: A179605
Score: 10.0858
Type of gen. func.: lgdogf

$$-\frac{(x - 5) (4 x^3 + 8 x^2 + 3 x + 1)}{(2 x + 1) (2 x^2 - 3 x - 1) (x^2 + 4 x - 1)}$$

Sequence: A179605
Score: 10.1261
Type of gen. func.: ogf

$$2 x^2 - 3 x - 1$$

$$\overline{(2 x + 1) (x^2 + 4 x - 1)}$$

Sequence: A179605
Score: 5.27942
Type of gen. func.: ogf

$$(7437 f(x) - 2710) (2 f(x) x^3 + 9 f(x) x^2 + 2 f(x) x - 2 x^2 - f(x) + 3 x + 1)$$

Sequence: A179605
Score: 5.46630
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 9 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 5, a(2) = 17\}$$

Sequence: A179606
Score: 13.5871
Type of gen. func.: ogf

$$- \frac{x + 1}{5 x^2 + 3 x - 1}$$

Sequence: A179606
Score: 14.2590
Type of gen. func.: revogf

$$\frac{-1 - 3 x + (29 x^2 + 10 x + 1)^{1/2}}{2 (5 x + 1)}$$

Sequence: A179606
Score: 17.1108
Type of gen. func.: lgdogf

$$- \frac{5 x^2 + 10 x + 4}{(x + 1) (5 x^2 + 3 x - 1)}$$

Sequence: A179606
Score: 6.79357
Type of gen. func.: ogf

$$-(11 f(x) - 3) (5 f(x) x^2 + 3 f(x) x - f(x) + x + 1)$$

Sequence: A179606
Score: 7.45635
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) + 5 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A179607
Score: 12.1725
Type of gen. func.: ogf

$$\frac{4 x^2 - 2 x - 1}{(2 x + 1) (4 x - 1)}$$

Sequence: A179607
Score: 14.0540
Type of gen. func.: lgdogf

$$\frac{4 (6 x^2 + 2 x + 1)}{(4 x - 1) (2 x + 1) (4 x^2 - 2 x - 1)}$$

Sequence: A179607
Score: 6.26353
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 4, a(2) = 12\}$$

Sequence: A179607
Score: 6.51662
Type of gen. func.: ogf

$$-(15 + 17 f(x)) (8 f(x) x^2 + 2 f(x) x - 4 x^2 - f(x) + 2 x + 1)$$

Sequence: A179608
Score: 12.4527
Type of gen. func.: ogf

$$\frac{x + 1}{(2 x + 1) (2 x - 1)^2}$$

Sequence: A179608
Score: 16.5775
Type of gen. func.: lgdogf

$$- \frac{(3 + 2 x) (4 x + 1)}{(2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A179608
Score: 5.84063
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 4 a(n + 1) + 8 a(n), a(0) = 1, a(1) = 3, a(2) = 10\}$$

Sequence: A179608
Score: 6.11102
Type of gen. func.: ogf

$$-(3 f(x) + 32) (8 f(x) x^3 - 4 f(x) x^2 - 2 f(x) x + f(x) - x - 1)$$

Sequence: A179609
Score: 13.5197
Type of gen. func.: lgdogf

$$- \frac{8 x (6 x^2 + 5 x + 2)}{(2 x + 1) (2 x - 1) (12 x^2 + 2 x - 1)}$$

Sequence: A179609
Score: 5.17504
Type of gen. func.: ogf

$$(33 f(x) + 31) (8 f(x) x^3 - 4 f(x) x^2 - 2 f(x) x + 12 x^2 + f(x) + 2 x - 1)$$

Sequence: A179609
Score: 5.31491
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 4 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 0, a(2) = -8\}$$

Sequence: A179609
Score: 9.51540
Type of gen. func.: ogf

$$-\frac{12 x^2 + 2 x - 1}{(2 x + 1) (2 x - 1)^2}$$

Sequence: A179610
Score: 15.7352
Type of gen. func.: ogf

$$\frac{1}{(4 x - 1) (x^2 - x - 1)}$$

Sequence: A179610
Score: 18.0695
Type of gen. func.: lgdogf

$$-\frac{12 x^2 - 10 x - 3}{(4 x - 1) (x^2 - x - 1)}$$

Sequence: A179610
Score: 5.70924
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 5 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 3, a(2) = 14\}$$

Sequence: A179610
Score: 5.91876
Type of gen. func.: ogf

$$-(9701 f(x) + 1584) (4 f(x) x^3 - 5 f(x) x^2 - 3 f(x) x + f(x) - 1)$$

Sequence: A179611
Score: 11.4771
Type of gen. func.: ogf

$$-\frac{2 x + 1}{4 x^3 + 8 x^2 + 2 x - 1}$$

Sequence: A179611
Score: 11.9149
Type of gen. func.: lgdogf

$$-\frac{4 (x + 1) (4 x^2 + 3 x + 1)}{(2 x + 1) (4 x^3 + 8 x^2 + 2 x - 1)}$$

Sequence: A179611
Score: 5.38305
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 8 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 4, a(2) = 16\}$$

Sequence: A179611
Score: 5.63228
Type of gen. func.: ogf

$$-(11 f(x) - 7) (4 f(x) x^3 + 8 f(x) x^2 + 2 f(x) x - f(x) + 2 x + 1)$$

Sequence: A179619
Score: 12.4644
Type of gen. func.: ogf

$$-\frac{x + 1}{(10 x - 1) (x - 1)^2}$$

Sequence: A179619
Score: 17.1506
Type of gen. func.: lgdogf

$$-\frac{20 x^2 + 29 x - 13}{(x - 1) (10 x - 1) (x + 1)}$$

Sequence: A179619
Score: 5.91530
Type of gen. func.: ogf

$\{a(n + 3) - 12 a(n + 2) + 21 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 13,$

$a(2) = 135\}$

Sequence: A179619
Score: 6.06961
Type of gen. func.: ogf

$$(164321 f(x) - 39345) (10 f(x) x^3 - 21 f(x) x^2 + 12 f(x) x - f(x) + x + 1)$$

Sequence: A179648
Score: 5.32757
Type of gen. func.: ogf

$$-2 f(x)^2 x^3 + 4 f(x)^2 x^2 + f(x)^2 x + 2 f(x) x^2 - 4 f(x) x - f(x) + 1$$

Sequence: A179734
Score: 20.5989
Type of gen. func.: lgdegf]

$$-\frac{9}{x-2}$$

Sequence: A179736
Score: 16.4045
Type of gen. func.: lgdegf]

$$-\frac{10}{x-2}$$

Sequence: A179741
Score: 11.9591
Type of gen. func.: ogf

$$-\frac{7x^2+18x-1}{(x-1)^3}$$

Sequence: A179741
Score: 19.7405
Type of gen. func.: lgdogf

$$-\frac{7x^2+50x+15}{(x-1)(7x^2+18x-1)}$$

Sequence: A179741
Score: 6.33731
Type of gen. func.: ogf

$$(918 f(x) - 9157) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 7 x^2 - f(x) + 18 x - 1)$$

Sequence: A179741
Score: 6.50408
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = -1, a(1) = 15, a(2) = 55\}$

Sequence: A179742
Score: 13.6183
Type of gen. func.: ogf_with_Euler_transform]

$$[1]$$

Sequence: A179744
Score: 10.2968
Type of gen. func.: ogf

$$-\frac{x^3 + x^2 - 2x + 1}{(2x - 1)(x - 1)^2}$$

Sequence: A179744
Score: 13.6591
Type of gen. func.: lgdogf

$$-\frac{7x^3 - 9x^2 + 6x - 2}{(x - 1)(2x - 1)(x^3 + x^2 - 2x + 1)}$$

Sequence: A179744
Score: 5.38240
Type of gen. func.: ogf

$\{-a(n + 4) + 4 a(n + 3) - 5 a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 4,$

$a(3) = 9\}$

Sequence: A179744
Score: 5.77623
Type of gen. func.: ogf

$$-(f(x) + 1)(2 f(x) x^3 - 5 f(x) x^2 + x^3 + 4 f(x) x + x^2 - f(x) - 2x + 1)$$

Sequence: A179783
Score: 7.04759

Type of gen. func.: ogf

$$\frac{x^4 - 4 x^3 + 10 x^2 + 1}{(x + 1) (x - 1)^4}$$

Sequence: A179783
Score: 9.39317
Type of gen. func.: lgdogf

$$- \frac{x^5 - 5 x^4 + 22 x^3 + 18 x^2 + 25 x + 3}{(x - 1) (x + 1) (x^4 - 4 x^3 + 10 x^2 + 1)}$$

Sequence: A179805
Score: 11.0455
Type of gen. func.: ogf

$$\frac{(2 x + 1) (3 x^2 - x + 1)}{(x - 1)^2}$$

Sequence: A179805
Score: 14.3125
Type of gen. func.: lgdogf

$$\frac{3 (2 x^3 - 6 x^2 - x - 1)}{(x - 1) (2 x + 1) (3 x^2 - x + 1)}$$

Sequence: A179805
Score: 5.85892
Type of gen. func.: ogf

{-a(n + 4) + 2 a(n + 3) - a(n + 2), a(0) = 1, a(1) = 3, a(2) = 6, a(3) = 15}

Sequence: A179805
Score: 6.67105

Type of gen. func.: ogf

$$(f(x) - 1) (f(x) x^2 - 6 x^3 - 2 f(x) x - x^2 + f(x) - x - 1)$$

Sequence: A179808
Score: 7.82914
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^2 - 2 x - 1) (8 x^5 - 2 x^3 - 4 x^2 + 3 x - 2)}{(x - 1) (2 x - 1) (x + 1) (2 x^2 + 1) (4 x^3 - 2 x^2 - 2 x - 1)}$$

Sequence: A179808
Score: 8.21091
Type of gen. func.: ogf

$$-\frac{x (4 x^3 - 2 x^2 - 2 x - 1)}{(x - 1) (2 x - 1) (x + 1) (2 x^2 + 1)}$$

Sequence: A179819
Score: 17.3527
Type of gen. func.: ogf

$$\frac{5 (x^2 + 2 x + 2)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A179819
Score: 19.2214
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 7 x^3 + 11 x^2 + 6 x + 4}{(x - 1) (x^2 + x + 1) (x^2 + 2 x + 2)}$$

Sequence: A179819

Score: 6.43071
Type of gen. func.: ogf

$$\{(5 n + 21) a(n + 1) + 5 a(n + 2) + 5 a(n + 3) + (-5 n - 16) a(n + 4),$$

$$a(0) = 10, a(1) = 20, a(2) = 25, a(3) = 35\}$$

Sequence: A179819
Score: 9.11017
Type of gen. func.: ogf

$$-(27 f(x) + 112) (f(x) x^4 - f(x) x^3 - f(x) x - 5 x^2 + f(x) - 10 x - 10)$$

Sequence: A179820
Score: 13.7213
Type of gen. func.: ogf

$$-\frac{x (2 x^3 + x^2 - 3 x - 1)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A179820
Score: 16.3750
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 2 x^3 - 3 x^2 - 2 x - 3}{(x - 1) (x + 1) (2 x^3 + x^2 - 3 x - 1)}$$

Sequence: A179820
Score: 8.93182
Type of gen. func.: ogf

$$(f(x) + 14) (f(x) x^4 + 2 x^4 - 2 f(x) x^2 + x^3 - 3 x^2 + f(x) - x)$$

Sequence: A179824
Score: 19.7803
Type of gen. func.: lgdogf

$$-\frac{12\,(x^2+3\,x+1)}{(x-1)\,(4\,x^2+7\,x+1)}$$

Sequence: A179824
Score: 8.82869
Type of gen. func.: ogf

$$-\frac{2\,(4\,x^2+7\,x+1)}{(x-1)^5}$$

Sequence: A179848
Score: 6.13308
Type of gen. func.: ogf

$$\{(27\,n^2+27\,n+6)\,a(n)+(4\,n^2+10\,n+6)\,a(n+1),\ a(0)=0,\ a(1)=1\}$$

Sequence: A179848
Score: 72.4595
Type of gen. func.: revogf

$$-\frac{x}{(x-1)^3}$$

Sequence: A179848
Score: 9.08015
Type of gen. func.: ogf

$$-f(x)^3\,x+3\,f(x)^2\,x-3\,f(x)\,x-f(x)+x$$

Sequence: A179850
Score: 13.8954
Type of gen. func.: lgdogf

$$-\frac{x^7+x^6-x^5+5\,x^4+4\,x^2-x+1}{}$$

$$(x - 1) (x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1)$$

Sequence: A179850
Score: 15.6765
Type of gen. func.: ogf

$$- \frac{(x^2 - x + 1) (x + 1)^2}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A179850
Score: 19.8161
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^5 + x^4 + x^2 - x + 1]$$

Sequence: A179865
Score: 13.9981
Type of gen. func.: lgdogf

$$\frac{2 x + 1}{(x - 1) (x^3 - 3 x^2 + 2 x - 1)}$$

Sequence: A179865
Score: 6.69962
Type of gen. func.: ogf

$$\frac{x^3 - 3 x^2 + 2 x - 1}{(x - 1)^3}$$

Sequence: A179865
Score: 8.63594
Type of gen. func.: ogf

$$f(x) x^3 - 3 f(x) x^2 - x^3 + 3 f(x) x + 3 x^2 - f(x) - 2 x + 1$$

Sequence: A179870
Score: 4.57868
Type of gen. func.: egf]

$$\{(-n^3 - 10 n^2 - 32 n - 32) a(n + 1) + a(n + 2), a(0) = 4, a(1) = 36\}$$

Sequence: A179892
Score: 12.5362
Type of gen. func.: lgdogf

$$\frac{15 x^{17} - 17 x^{16} - 13 x^{15} + 27 x^{14} - 14 x^{13} - 2}{(x - 1) (x^{17} - x^{15} + x^{14} + 1)}$$

Sequence: A179892
Score: 12.9688
Type of gen. func.: ogf

$$\frac{x^{17} - x^{15} + x^{14} + 1}{(x - 1)^2}$$

Sequence: A179894
Score: 12.3968
Type of gen. func.: ogf

$$\frac{(2 x + 1) (x^3 + x^2 + 1)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A179894
Score: 14.8034
Type of gen. func.: lgdogf

$$- \frac{3 x^4 + 10 x^3 + 15 x^2 + 6 x + 2}{(x - 1) (2 x + 1) (x + 1) (x^3 + x^2 + 1)}$$

Sequence: A179894
Score: 7.73475
Type of gen. func.: ogf

$$-(422 f(x) - 943) (f(x) x^4 - 2 x^4 - 2 f(x) x^2 - 3 x^3 - x^2 + f(x) - 2 x - 1)$$

Sequence: A179903
Score: 15.9630
Type of gen. func.: lgdogf

$$-\frac{x^3 - 13 x^2 - x - 3}{(x - 1) (x + 1) (x^3 - 4 x^2 + 2 x - 1)}$$

Sequence: A179903
Score: 5.24277
Type of gen. func.: ogf

$$(296 f(x) + 937) (f(x) x^4 - 4 f(x) x^3 + x^4 + 6 f(x) x^2 - 3 x^3 - 4 f(x) x - 2 x^2 + f(x) + x - 1)$$

Sequence: A179903
Score: 9.19027
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^3 - 4 x^2 + 2 x - 1)}{(x - 1)^4}$$

Sequence: A179904
Score: 5.13117
Type of gen. func.: ogf

$$(2272 f(x) + 8777) (f(x) x^4 - 4 f(x) x^3 + x^4 + 6 f(x) x^2 - 2 x^3 - 4 f(x) x - x^2 + f(x) + x - 1)$$

Sequence: A179904
Score: 9.11538
Type of gen. func.: ogf

$$-\frac{(x+1)\,(x^3-3\,x^2+2\,x-1)}{(x-1)^4}$$

Sequence: A179905
Score: 13.5518
Type of gen. func.: lgdogf

$$\frac{x^3+29\,x^2+2\,x+4}{(x-1)\,(2\,x+1)\,(x^3-5\,x^2+2\,x-1)}$$

Sequence: A179905
Score: 4.76819
Type of gen. func.: ogf

$$(2826\,f(x)+14663)$$

$$(f(x)\,x^4-4\,f(x)\,x^3+2\,x^4+6\,f(x)\,x^2-9\,x^3-4\,f(x)\,x-x^2+f(x)-1)$$

Sequence: A179905
Score: 8.71225
Type of gen. func.: ogf

$$-\frac{(2\,x+1)\,(x^3-5\,x^2+2\,x-1)}{(x-1)^4}$$

Sequence: A179930
Score: 8.65504
Type of gen. func.: lgdogf

$$-\frac{3\,x^8-2\,x^7-68\,x^6+26\,x^5+346\,x^4-110\,x^3-100\,x^2+54\,x+11}{}$$

$$(x - 1) (3 x^4 - x^3 - 33 x^2 + 5 x + 6) (x^4 - 10 x^2 + 1)$$

Sequence: A179931
Score: 13.0123
Type of gen. func.: lgdogf

$$- \frac{x^8 - 17 x^6 + 6 x^5 + 91 x^4 - 44 x^3 - 31 x^2 + 22 x + 4}{(x - 1) (x^4 - 9 x^2 + 2 x + 2) (x^4 - 10 x^2 + 1)}$$

Sequence: A179934
Score: 6.21244
Type of gen. func.: lgdogf

$$- \frac{x^8 - 2 x^7 - 28 x^6 + 26 x^5 + 142 x^4 - 110 x^3 - 60 x^2 + 54 x + 9}{(x - 1) (x^4 - x^3 - 13 x^2 + 5 x + 4) (x^4 - 10 x^2 + 1)}$$

Sequence: A179934
Score: 6.60541
Type of gen. func.: ogf

$$- \frac{x^4 - x^3 - 13 x^2 + 5 x + 4}{(x - 1) (x^4 - 10 x^2 + 1)}$$

Sequence: A179935
Score: 8.92899
Type of gen. func.: ogf

$$- \frac{x (952 x^5 - 1960 x^4 + 1008 x^3 + x + 1)}{(x - 1)^3}$$

Sequence: A179935
Score: 9.67071
Type of gen. func.: lgdogf

$$\frac{2 (952 x^5 - 3360 x^4 + 3920 x^3 - 1512 x^2 - x - 2)}{(x - 1) (952 x^5 - 1960 x^4 + 1008 x^3 + x + 1)}$$

Sequence: A179956
Score: 6.64767
Type of gen. func.: ogf

$$-(11 f(x) + 430) (10 f(x) x^2 - 11 f(x) x + 100 x^2 + f(x) - 10 x - 1)$$

Sequence: A179957
Score: 11.8301
Type of gen. func.: ogf

$$-(f(x) - x - 1)^3$$

Sequence: A179959
Score: 9.4282
Type of gen. func.: ogf

$$(f(x) - x - 1)^2$$

Sequence: A179960
Score: 7.26757
Type of gen. func.: ogf

$$(f(x) - x - 1)^2$$

Sequence: A179961
Score: 6.78035
Type of gen. func.: ogf

$$(f(x) - x - 1)^2$$

Sequence: A179962
Score: 3.62133
Type of gen. func.: ogf

$$-\frac{2\,(131\,x-45)}{(4\,x-1)\,(3\,x-1)}$$

Sequence: A179980
Score: 14.6467
Type of gen. func.: ogf

$$-\frac{1}{(10\,x-1)\,(x+1)^2}$$

Sequence: A179980
Score: 21.5171
Type of gen. func.: lgdogf

$$-\frac{2\,(4+15\,x)}{(x+1)\,(10\,x-1)}$$

Sequence: A179980
Score: 4.96714
Type of gen. func.: ogf

{-a(n + 3) + 8 a(n + 2) + 19 a(n + 1) + 10 a(n), a(0) = 1, a(1) = 8, a(2) = 83}

Sequence: A179980
Score: 5.01071
Type of gen. func.: ogf

$$-(553719\,f(x)+92300)\,(10\,f(x)\,x^3+19\,f(x)\,x^2+8\,f(x)\,x-f(x)+1)$$

Sequence: A179986
Score: 13.5571
Type of gen. func.: ogf

$$-\frac{x\,(x+6)}{3}$$

$$(x - 1)$$

Sequence: A179986
Score: 36.2539
Type of gen. func.: lgdogf

$$-\frac{19 + 2 x}{(x + 6) (x - 1)}$$

Sequence: A179986
Score: 6.71959
Type of gen. func.: ogf

$$(20727 f(x) - 70993) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 6 x)$$

Sequence: A179986
Score: 6.89957
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 6, a(2) = 19\}$$

Sequence: A179991
Score: 10.4576
Type of gen. func.: ogf

$$\frac{(x - 2) (x^2 - x + 1)}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A179991
Score: 12.2780
Type of gen. func.: lgdogf

$$-\frac{x^5 - 5 x^4 + 9 x^3 - 11 x^2 + x + 3}{(x - 1) (x - 2) (x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A179991
Score: 4.44881
Type of gen. func.: ogf

$$\{(n + 5) a(n + 1) + a(n + 2) + (-2 n - 9) a(n + 3) + (n + 4) a(n + 4), a(0) = 2, a(1) = 3, a(2) = 8, a(3) = 15\}$$

Sequence: A179991
Score: 5.55334
Type of gen. func.: ogf

$$-(350 f(x) - 641) (f(x) x^4 - f(x) x^3 - 2 f(x) x^2 - x^3 + 3 f(x) x + 3 x^2 - f(x) - 3 x + 2)$$

Sequence: A179992
Score: 7.63217
Type of gen. func.: ogf

$$\frac{x^4 - 4 x^3 + 6 x^2 - 3 x + 2}{(x^2 + x - 1) (x - 1)^3}$$

Sequence: A179992
Score: 8.69757
Type of gen. func.: lgdogf

$$-\frac{x^6 - 6 x^5 + 14 x^4 - 12 x^3 + 16 x^2 - 2 x - 5}{(x - 1) (x^2 + x - 1) (x^4 - 4 x^3 + 6 x^2 - 3 x + 2)}$$

Sequence: A179994
Score: 10.4049
Type of gen. func.: ogf

$$\frac{x (x^2 + 5 x + 1)}{8 x^4 - 11 x^2 + 1}$$

Sequence: A179994
Score: 5.81174
Type of gen. func.: ogf

$$-(102992 f(x) + 32943) (8 f(x) x^4 - 11 f(x) x^2 - x^3 - 5 x^2 + f(x) - x)$$

Sequence: A179994
Score: 9.34308
Type of gen. func.: lgdogf

$$-\frac{16 x^5 + 120 x^4 + 32 x^3 - 55 x^2 - 24 x - 5}{(x^2 + 5 x + 1) (8 x^4 - 11 x^2 + 1)}$$

Sequence: A179995
Score: 5.04839
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^4 + 26 x^3 + 66 x^2 + 26 x + 1)}{(x - 1)^6}$$

Sequence: A179995
Score: 7.41564
Type of gen. func.: lgdogf

$$-\frac{3 (x + 1) (11 x^4 + 96 x^3 + 146 x^2 + 96 x + 11)}{(x - 1) (x^2 + x + 1) (x^4 + 26 x^3 + 66 x^2 + 26 x + 1)}$$

Sequence: A179999
Score: 7.61938
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 - x + 1) (x^2 - x - 1)}{(x - 1) (x^4 + x^2 - 1)}$$

```
------------------------------------------------------------------------------

Sequence:  A179999
Score: 8.97907
Type of gen. func.: lgdogf


                       7      6      5      4      3    2
                 2 (2 x  - 4 x  + 2 x  + 5 x  - 2 x  - x  - 1)
            -------------------------------------------------------
                              2             2             4    2
            (x - 1) (x + 1) (x  - x + 1) (x  - x - 1) (x  + x  - 1)



------------------------------------------------------------------------------

Sequence:  A180002
Score: 6.14790
Type of gen. func.: ogf


                     6      5       4        3       2
                  3 x  - 4 x  - 16 x  - 133 x  + 16 x  + 4 x + 4
                - ----------------------------------------------
                                       6       3
                             (x - 1) (x  - 38 x  + 1)



------------------------------------------------------------------------------

Sequence:  A180003
Score: 5.93439
Type of gen. func.: ogf


                       6    5      4       3      2
                      x  + x  + 5 x  - 32 x  + 5 x  + x + 1
                    - -------------------------------------
                                      6       3
                            (x - 1) (x  - 38 x  + 1)



------------------------------------------------------------------------------

Sequence:  A180027
Score: 3.18630
Type of gen. func.: ogf


{a(n + 3) - 102 a(n + 2) + 201 a(n + 1) - 100 a(n), a(0) = 1, a(1) = 112,

    a(2) = 11223}



------------------------------------------------------------------------------

Sequence:  A180027
Score: 5.7328
Type of gen. func.: ogf


(6169506172841 f(x) - 694452912000)

               3             2
    (100 f(x) x  - 201 f(x) x  + 102 f(x) x - f(x) + 10 x + 1)
```

Sequence: A180027
Score: 6.58502
Type of gen. func.: ogf

$$-\frac{1 + 10 x}{(100 x - 1) (x - 1)^{2}}$$

Sequence: A180027
Score: 8.37307
Type of gen. func.: lgdogf

$$-\frac{2 (25 x + 8) (40 x - 7)}{(x - 1) (1 + 10 x) (100 x - 1)}$$

Sequence: A180028
Score: 12.5821
Type of gen. func.: ogf

$$-\frac{3 x + 1}{3 x^{2} + 6 x - 1}$$

Sequence: A180028
Score: 13.8553
Type of gen. func.: revogf

$$\frac{-1 - 6 x + (48 x^{2} + 24 x + 1)^{1/2}}{6 (x + 1)}$$

Sequence: A180028
Score: 14.5845
Type of gen. func.: lgdogf

$$-\frac{3 (3 x^{2} + 2 x + 3)}{(3 x + 1) (3 x^{2} + 6 x - 1)}$$

Sequence: A180028
Score: 6.58364
Type of gen. func.: ogf

$$(20 f(x) + 7) (3 f(x) x^2 + 6 f(x) x - f(x) + 3 x + 1)$$

Sequence: A180028
Score: 6.90479
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A180029
Score: 12.4489
Type of gen. func.: ogf

$$- \frac{2 x + 1}{2 x^2 + 6 x - 1}$$

Sequence: A180029
Score: 13.7055
Type of gen. func.: revogf

$$\frac{-1 - 6 x + (44 x^2 + 20 x + 1)^{1/2}}{4 (x + 1)}$$

Sequence: A180029
Score: 16.1241
Type of gen. func.: lgdogf

$$- \frac{4 (x^2 + x + 2)}{(2 x + 1) (2 x^2 + 6 x - 1)}$$

Sequence: A180029
Score: 6.51398

Type of gen. func.: ogf

$$(13 f(x) + 3) (2 f(x) x^2 + 6 f(x) x - f(x) + 2 x + 1)$$

Sequence: A180029
Score: 6.83173
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A180030
Score: 13.5989
Type of gen. func.: ogf

$$-\frac{x + 1}{8 x^2 + 5 x - 1}$$

Sequence: A180030
Score: 14.2802
Type of gen. func.: revogf

$$\frac{-5 x - 1 + (57 x^2 + 14 x + 1)^{1/2}}{2 (8 x + 1)}$$

Sequence: A180030
Score: 15.7834
Type of gen. func.: lgdogf

$$-\frac{2 (3 + 2 x) (2 x + 1)}{(x + 1) (8 x^2 + 5 x - 1)}$$

Sequence: A180030
Score: 6.87583
Type of gen. func.: ogf

$$(433 f(x) - 109) (8 f(x) x^2 + 5 f(x) x - f(x) + x + 1)$$

Sequence: A180030
Score: 7.46279
Type of gen. func.: ogf

$$\{-a(n+2) + 5\,a(n+1) + 8\,a(n),\ a(0) = 1,\ a(1) = 6\}$$

Sequence: A180031
Score: 12.1826
Type of gen. func.: revogf

$$\frac{-5x - 1 + ((3x+1)(19x+1))^{1/2}}{2(3+8x)}$$

Sequence: A180031
Score: 12.4489
Type of gen. func.: ogf

$$-\frac{3x+1}{8x^2 + 5x - 1}$$

Sequence: A180031
Score: 14.4268
Type of gen. func.: lgdogf

$$-\frac{8(3x^2 + 2x + 1)}{(3x+1)(8x^2 + 5x - 1)}$$

Sequence: A180031
Score: 6.22447
Type of gen. func.: ogf

$$-(11 f(x) + 5)(8 f(x) x^2 + 5 f(x) x - f(x) + 3x + 1)$$

Sequence: A180031

Score: 6.83173
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A180032
Score: 13.5312
Type of gen. func.: ogf

$$-\frac{x + 1}{7 x^{2} + 5 x - 1}$$

Sequence: A180032
Score: 14.2078
Type of gen. func.: revogf

$$\frac{-5 x - 1 + (53 x^{2} + 14 x + 1)^{1/2}}{2 (7 x + 1)}$$

Sequence: A180032
Score: 17.0493
Type of gen. func.: lgdogf

$$-\frac{7 x^{2} + 14 x + 6}{(x + 1) (7 x^{2} + 5 x - 1)}$$

Sequence: A180032
Score: 6.84162
Type of gen. func.: ogf

$$-(5 f(x) - 1) (7 f(x) x^{2} + 5 f(x) x - f(x) + x + 1)$$

Sequence: A180032
Score: 7.42566
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + 7 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A180033
Score: 13.2606
Type of gen. func.: ogf

$$-\frac{x + 1}{5 x^2 + 5 x - 1}$$

Sequence: A180033
Score: 13.2852
Type of gen. func.: revogf

$$\frac{-5 x - 1 + ((5 x + 1) (1 + 9 x))^{1/2}}{2 (5 x + 1)}$$

Sequence: A180033
Score: 16.7014
Type of gen. func.: lgdogf

$$-\frac{5 x^2 + 10 x + 6}{(x + 1) (5 x^2 + 5 x - 1)}$$

Sequence: A180033
Score: 6.93868
Type of gen. func.: ogf

$$(10 f(x) - 1) (5 f(x) x^2 + 5 f(x) x - f(x) + x + 1)$$

Sequence: A180033
Score: 7.27715
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) - 5 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A180034
Score: 12.8546
Type of gen. func.: ogf

$$-\frac{2x-1}{2x^2-6x+1}$$

Sequence: A180034
Score: 14.1570
Type of gen. func.: revogf

$$-\frac{-1-6x+(28x^2+4x+1)^{1/2}}{4(x+1)}$$

Sequence: A180034
Score: 16.1794
Type of gen. func.: lgdogf

$$-\frac{4(x^2-x+1)}{(2x-1)(2x^2-6x+1)}$$

Sequence: A180034
Score: 6.2876
Type of gen. func.: ogf

$$-(113 f(x) - 49) (2 f(x) x^2 - 6 f(x) x + f(x) + 2 x - 1)$$

Sequence: A180034
Score: 7.05438
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A180035
Score: 12.9223
Type of gen. func.: ogf

$$-\frac{x+1}{3x^2+5x-1}$$

Sequence: A180035
Score: 13.5554
Type of gen. func.: revogf

$$\frac{-5x-1+(37x^2+14x+1)^{1/2}}{2(3x+1)}$$

Sequence: A180035
Score: 16.7449
Type of gen. func.: lgdogf

$$-\frac{3(x^2+2x+2)}{(x+1)(3x^2+5x-1)}$$

Sequence: A180035
Score: 6.32069
Type of gen. func.: ogf

$$-(133 f(x)+11)(3 f(x) x^2+5 f(x) x-f(x)+x+1)$$

Sequence: A180035
Score: 7.09150
Type of gen. func.: ogf

$$\{a(n+2)-5 a(n+1)-3 a(n), a(0)=1, a(1)=6\}$$

Sequence: A180036
Score: 12.5164
Type of gen. func.: ogf

$$\frac{2x-1}{3x^2+5x-1}$$

Sequence: A180036
Score: 13.1204
Type of gen. func.: revogf

$$\frac{-5 x - 1 + (37 x^{2} + 2 x + 1)^{1/2}}{2 (-2 + 3 x)}$$

Sequence: A180036
Score: 14.1297
Type of gen. func.: lgdogf

$$- \frac{3 (2 x^{2} - 2 x - 1)}{(2 x - 1) (3 x^{2} + 5 x - 1)}$$

Sequence: A180036
Score: 6.47398
Type of gen. func.: ogf

$$(13 f(x) - 10) (3 f(x) x^{2} + 5 f(x) x - f(x) - 2 x + 1)$$

Sequence: A180036
Score: 6.86873
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A180037
Score: 12.4487
Type of gen. func.: revogf

$$\frac{-5 x - 1 + ((3 x + 1) (1 + 11 x))^{1/2}}{2 (2 x + 1)}$$

Sequence: A180037

Score: 12.7193
Type of gen. func.: ogf

$$-\frac{x + 1}{2 x^{2} + 5 x - 1}$$

Sequence: A180037
Score: 6.22142
Type of gen. func.: ogf

$$-(137 f(x) + 25) (2 f(x) x^{2} + 5 f(x) x - f(x) + x + 1)$$

Sequence: A180037
Score: 6.98012
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A180038
Score: 13.5319
Type of gen. func.: ogf

$$\frac{3 x - 1}{2 x^{2} + 5 x - 1}$$

Sequence: A180038
Score: 14.2041
Type of gen. func.: revogf

$$\frac{-5 x - 1 + (33 x^{2} - 2 x + 1)^{1/2}}{2 (-3 + 2 x)}$$

Sequence: A180038
Score: 15.6992
Type of gen. func.: lgdogf

$$-\frac{2 (3 x + 1) (x - 1)}{}$$

$$(3 x - 1) (2 x^2 + 5 x - 1)$$

Sequence: A180038
Score: 6.99926
Type of gen. func.: ogf

$$(19 f(x) - 17) (2 f(x) x^2 + 5 f(x) x - f(x) - 3 x + 1)$$

Sequence: A180038
Score: 7.42604
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A180046
Score: 10.6081
Type of gen. func.: ogf

$$- \frac{(x + 1) (2 x^2 + 1)}{x^4 + x^3 - x^2 + x - 1}$$

Sequence: A180046
Score: 11.1297
Type of gen. func.: lgdogf

$$- \frac{2 x^6 + 4 x^5 + 7 x^4 + 2 x^3 + 6 x^2 + 2 x + 2}{(x + 1) (2 x^2 + 1) (x^4 + x^3 - x^2 + x - 1)}$$

Sequence: A180046
Score: 5.71205
Type of gen. func.: ogf

$$-(82 f(x) + 45)$$

$$(f(x) x^4 + f(x) x^3 - f(x) x^2 + 2 x^3 + f(x) x + 2 x^2 - f(x) + x + 1)$$

Sequence: A180053
Score: 10.6354
Type of gen. func.: ogf

$$-1001 f(x) x + f(x) + 900 x - 1$$

Sequence: A180053
Score: 12.6612
Type of gen. func.: ogf

$$\frac{-1 + 900 x}{1001 x - 1}$$

Sequence: A180053
Score: 6.90612
Type of gen. func.: ogf

$$\{a(n + 2) - 1001 a(n + 1), a(0) = 1, a(1) = 101\}$$

Sequence: A180083
Score: 12.2334
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A180084
Score: 7.19370
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A180115
Score: 2.86618
Type of gen. func.: ogf

$$-\frac{1000 x^4 + 110 x^3 + 90 x^2 - 110 x - 1}{(x + 1) (x - 1)^2 (1 + 10 x)^2 (10 x - 1)^2}$$

Sequence: A180118
Score: 11.1971
Type of gen. func.: ogf

$$\frac{2 x (x^2 - 3 x + 3)}{(x - 1)^4}$$

Sequence: A180118
Score: 20.9510
Type of gen. func.: lgdogf

$$- \frac{2 x^2 - 7 x + 9}{(x - 1) (x^2 - 3 x + 3)}$$

Sequence: A180118
Score: 4.10746
Type of gen. func.: ogf

$$\{(9 + 3 n) a(n + 4) + (-21 - 6 n) a(n + 3) + (11 + 4 n) a(n + 2)$$
$$+ (-n - 2) a(n + 1), a(0) = 0, a(1) = 6, a(2) = 18, a(3) = 38\}$$

Sequence: A180118
Score: 5.83846
Type of gen. func.: ogf

$$-(43 f(x) - 525)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 2 x^3 - 4 f(x) x + 6 x^2 + f(x) - 6 x)$$

Sequence: A180119
Score: 18.6970
Type of gen. func.: egf]

$$- \frac{x}{(x - 1)^3}$$

Sequence: A180119
Score: 6.90611
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) + (-1 - n) a(n + 2), a(0) = 0, a(1) = 1\}$$

Sequence: A180119
Score: 65.5138
Type of gen. func.: lgdegf]

$$-\frac{3}{x - 1}$$

Sequence: A180119
Score: 9.95557
Type of gen. func.: egf]

$$f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + x$$

Sequence: A180140
Score: 11.5362
Type of gen. func.: ogf

$$-\frac{x^2 + x + 1}{5 x^2 + 3 x - 1}$$

Sequence: A180140
Score: 15.7600
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + 6 x + 2)}{(x^2 + x + 1) (5 x^2 + 3 x - 1)}$$

Sequence: A180140
Score: 5.93613
Type of gen. func.: ogf

$$\{-a(n+3)+3\,a(n+2)+5\,a(n+1),\ a(0)=1,\ a(1)=4,\ a(2)=18\}$$

Sequence: A180140
Score: 6.30331
Type of gen. func.: ogf

$$(-143+303\,f(x))\,(5\,f(x)\,x^2+3\,f(x)\,x+x^2-f(x)+x+1)$$

Sequence: A180141
Score: 11.7729
Type of gen. func.: ogf

$$\frac{(2\,x+1)\,(x-1)}{6\,x^2+3\,x-1}$$

Sequence: A180141
Score: 14.2191
Type of gen. func.: lgdogf

$$\frac{4\,(3\,x^2+2\,x+1)}{(x-1)\,(2\,x+1)\,(6\,x^2+3\,x-1)}$$

Sequence: A180141
Score: 6.05789
Type of gen. func.: ogf

$$\{-a(n+3)+3\,a(n+2)+6\,a(n+1),\ a(0)=1,\ a(1)=4,\ a(2)=16\}$$

Sequence: A180141
Score: 6.36697
Type of gen. func.: ogf

$$-(1+11\,f(x))\,(6\,f(x)\,x^2+3\,f(x)\,x-2\,x^2-f(x)+x+1)$$

Sequence: A180142
Score: 11.9327
Type of gen. func.: ogf

$$\frac{x^2 - x - 1}{3 x^2 + 3 x - 1}$$

Sequence: A180142
Score: 15.8902
Type of gen. func.: lgdogf

$$\frac{2 (3 x^2 + 2 x + 2)}{(3 x^2 + 3 x - 1) (x^2 - x - 1)}$$

Sequence: A180142
Score: 6.14012
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 4, a(2) = 14\}$$

Sequence: A180142
Score: 7.56932
Type of gen. func.: ogf

$$-(35 + 61 f(x)) (3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + x + 1)$$

Sequence: A180143
Score: 10.8165
Type of gen. func.: ogf

$$\frac{x^2 + 1}{(x - 1) (2 x^2 + 3 x - 1)}$$

Sequence: A180143
Score: 13.4184
Type of gen. func.: lgdogf

$$-\frac{2\,(x^4 + 5\,x^2 - 2)}{(x - 1)\,(x^2 + 1)\,(2\,x^2 + 3\,x - 1)}$$

Sequence: A180143
Score: 5.45612
Type of gen. func.: ogf

$$\{-a(n + 3) + 4\,a(n + 2) - a(n + 1) - 2\,a(n),\ a(0) = 1,\ a(1) = 4,\ a(2) = 16\}$$

Sequence: A180143
Score: 5.76208
Type of gen. func.: ogf

$$(f(x) - 1)\,(2\,f(x)\,x^3 + f(x)\,x^2 - 4\,f(x)\,x - x^2 + f(x) - 1)$$

Sequence: A180144
Score: 10.7050
Type of gen. func.: ogf

$$-\frac{2\,x^2 - 1}{(x - 1)\,(2\,x^2 + 3\,x - 1)}$$

Sequence: A180144
Score: 11.7152
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^4 + x^2 - 3\,x + 2)}{(x - 1)\,(2\,x^2 - 1)\,(2\,x^2 + 3\,x - 1)}$$

Sequence: A180144
Score: 5.39988

Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - a(n + 1) - 2 a(n), a(0) = 1, a(1) = 4, a(2) = 13\}$$

Sequence: A180144
Score: 5.64987
Type of gen. func.: ogf

$$(11 f(x) - 6) (2 f(x) x^3 + f(x) x^2 - 4 f(x) x + 2 x^2 + f(x) - 1)$$

Sequence: A180145
Score: 10.9467
Type of gen. func.: ogf

$$- \frac{3 x^2 - 1}{(x - 1) (6 x^2 + 3 x - 1)}$$

Sequence: A180145
Score: 12.7379
Type of gen. func.: lgdogf

$$- \frac{2 (9 x^4 - 3 x^2 + 2)}{(x - 1) (6 x^2 + 3 x - 1) (3 x^2 - 1)}$$

Sequence: A180145
Score: 5.52180
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) - 3 a(n + 1) + 6 a(n), a(0) = 1, a(1) = 4, a(2) = 16\}$$

Sequence: A180145
Score: 5.77744
Type of gen. func.: ogf

$$(35 f(x) - 3) (6 f(x) x^3 - 3 f(x) x^2 - 4 f(x) x + 3 x^2 + f(x) - 1)$$

Sequence: A180146
Score: 15.2951
Type of gen. func.: ogf

$$\frac{1}{(x-1)(6x^2+3x-1)}$$

Sequence: A180146
Score: 16.1725
Type of gen. func.: lgdogf

$$-\frac{2(3x+1)(-2+3x)}{(6x^2+3x-1)(x-1)}$$

Sequence: A180146
Score: 5.54954
Type of gen. func.: ogf

$$\{a(n+3)-4a(n+2)-3a(n+1)+6a(n), a(0)=1, a(1)=4, a(2)=19\}$$

Sequence: A180146
Score: 5.86074
Type of gen. func.: ogf

$$-(197 f(x)+100)(6 f(x) x^3-3 f(x) x^2-4 f(x) x+f(x)-1)$$

Sequence: A180147
Score: 11.0228
Type of gen. func.: ogf

$$\frac{3x+1}{(x-1)(6x^2+3x-1)}$$

Sequence: A180147
Score: 11.4368
Type of gen. func.: lgdogf

$$-\frac{36 x^3 + 9 x^2 - 6 x - 7}{(x - 1) (3 x + 1) (6 x^2 + 3 x - 1)}$$

Sequence: A180147
Score: 5.16997
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) - 3 a(n + 1) + 6 a(n), a(0) = 1, a(1) = 7, a(2) = 31\}$$

Sequence: A180147
Score: 7.21243
Type of gen. func.: ogf

$$6 f(x) x^3 - 3 f(x) x^2 - 4 f(x) x + f(x) - 3 x - 1$$

Sequence: A180148
Score: 14.3777
Type of gen. func.: ogf

$$\frac{x - 2}{x^2 + 3 x - 1}$$

Sequence: A180148
Score: 16.2595
Type of gen. func.: revogf

$$\frac{-2 - 3 x + (13 x^2 + 8 x + 4)^{1/2}}{2 (x - 1)}$$

Sequence: A180148
Score: 21.1373
Type of gen. func.: lgdogf

$$-\frac{(x + 1) (x - 5)}{2}$$

$$(x - 2) (x + 3 x - 1)$$

Sequence: A180148
Score: 7.89018
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) + a(n), a(0) = 2, a(1) = 5\}$$

Sequence: A180148
Score: 8.36636
Type of gen. func.: ogf

$$-(19 f(x) - 13) (f(x) x^2 + 3 f(x) x - f(x) - x + 2)$$

Sequence: A180153
Score: 10.6138
Type of gen. func.: ogf

$$\frac{1}{(100 x - 1) (x - 1) (10 x - 1)^2}$$

Sequence: A180153
Score: 2.93775
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-454 - 111 n) a(n + 3) + (5450 + 1110 n) a(n + 2)$$

$$+ (-5000 - 1000 n) a(n + 1), a(0) = 1, a(1) = 121, a(2) = 12421,$$

$$a(3) = 1246421\}$$

Sequence: A180153
Score: 4.41648
Type of gen. func.: ogf

$$(343536686767 f(x) + 151480000)$$

$$(10000 f(x) x^4 - 12100 f(x) x^3 + 2220 f(x) x^2 - 121 f(x) x + f(x) - 1)$$

Sequence: A180158
Score: 4.11559
Type of gen. func.: ogf

$$-\frac{x+1}{x^8+x^7+x^6+x^5+x^4+x^3-1}$$

Sequence: A180167
Score: 15.7986
Type of gen. func.: ogf

$$-\frac{x+1}{6x^2+6x-1}$$

Sequence: A180167
Score: 7.64003
Type of gen. func.: revogf

$$\frac{-1-6x+((1+6x)(1+10x))^{1/2}}{2(1+6x)}$$

Sequence: A180167
Score: 8.26674
Type of gen. func.: ogf

$$(54 f(x) - 5) (6 f(x) x^2 + 6 f(x) x - f(x) + x + 1)$$

Sequence: A180167
Score: 8.66999
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) - 6 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A180167
Score: 9.82289
Type of gen. func.: lgdogf

$$-\frac{6 x^2 + 12 x + 7}{(x + 1) (6 x^2 + 6 x - 1)}$$

Sequence: A180168
Score: 16.9919
Type of gen. func.: ogf

$$-\frac{x + 1}{5 x^2 + 2 x - 1}$$

Sequence: A180168
Score: 5.95092
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (24 x^2 + 8 x + 1)^{1/2}}{2 (5 x + 1)}$$

Sequence: A180168
Score: 6.97108
Type of gen. func.: lgdogf

$$-\frac{5 x^2 + 10 x + 3}{(x + 1) (5 x^2 + 2 x - 1)}$$

Sequence: A180168
Score: 8.5914
Type of gen. func.: ogf

$$-(2 f(x) - 1) (5 f(x) x^2 + 2 f(x) x - f(x) + x + 1)$$

Sequence: A180168
Score: 9.32482
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 5 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A180169
Score: 5.87790
Type of gen. func.: ogf

$$(725590016 x^{12} - 362795008 x^{11} + 93184 x^{7} - 46592 x^{6} + 2560 x^{5} - 1280 x^{4} + 2 x^{2} - x - 1)/(2 x - 1)$$

Sequence: A180175
Score: 12.6910
Type of gen. func.: ogf

$$- \frac{x - 1}{(10 x - 1) (x^{2} + x - 1)}$$

Sequence: A180175
Score: 14.0005
Type of gen. func.: lgdogf

$$- \frac{20 x^{3} - 21 x^{2} - 18 x + 10}{(x - 1) (10 x - 1) (x^{2} + x - 1)}$$

Sequence: A180175
Score: 5.96585
Type of gen. func.: ogf

$$\{-a(n + 3) + 11 a(n + 2) - 9 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 10, a(2) = 101\}$$

Sequence: A180175
Score: 6.17704
Type of gen. func.: ogf

$$(72809 f(x) - 16480) (10 f(x) x^{3} + 9 f(x) x^{2} - 11 f(x) x + f(x) + x - 1)$$

Sequence: A180176
Score: 8.22988
Type of gen. func.: ogf

$$-\frac{9x^{22}+2x^{21}-11x^{20}-20x^{12}+20x^{10}+9x^{2}-x-10}{(x-1)^{2}(x+1)}$$

Sequence: A180189
Score: 16.8510
Type of gen. func.: lgdegf]

$$-\frac{x(x^{2}-3x+4)}{(x-1)(x^{2}-2x+2)}$$

Sequence: A180189
Score: 3.30438
Type of gen. func.: ogf

$$\{(-n^{2}-7n-12)a(n+1)+(-n^{2}-5n-4)a(n+2)+(n+2)a(n+3),$$
$$a(0)=0,\ a(1)=2,\ a(2)=0\}$$

Sequence: A180191
Score: 3.59570
Type of gen. func.: ogf

$$\{(n^{2}+5n+6)a(n+1)+(n^{2}+5n+6)a(n+2)+(-2n-7)a(n+3)$$
$$+a(n+4),\ a(0)=0,\ a(1)=1,\ a(2)=3,\ a(3)=13\}$$

Sequence: A180208
Score: 4.13059
Type of gen. func.: ogf

$$-(2f(x)x-f(x)+1)^{3}$$

Sequence: A180209
Score: 4.39437
Type of gen. func.: ogf

$$-(2 f(x) x - f(x) + 1)^3$$

Sequence: A180210
Score: 3.55055
Type of gen. func.: ogf

$$(2 f(x) x - f(x) + 1)^2$$

Sequence: A180211
Score: 3.10822
Type of gen. func.: ogf

$$(2 f(x) x - f(x) + 1)^2$$

Sequence: A180218
Score: 3.19118
Type of gen. func.: ogf

$$\{(n^3 + 11 n^2 + 38 n + 40) a(n + 1) + (-2 n^2 - 15 n - 25) a(n + 2) + (n + 3) a(n + 3), a(0) = 0, a(1) = 6, a(2) = 36\}$$

Sequence: A180221
Score: 11.6255
Type of gen. func.: ogf

$$-\frac{x^8 - x^7 + x^4 - x^2 + x - 2}{(x - 1)^2}$$

Sequence: A180221
Score: 13.7205
Type of gen. func.: lgdogf

$$\frac{6 x^8 - 13 x^7 + 7 x^6 + 2 x^4 - 4 x^3 + x + 3}{(x - 1) (x^8 - x^7 + x^4 - x^2 + x - 2)}$$

Sequence: A180222
Score: 12.0658
Type of gen. func.: ogf

$$-8 f(x) x^2 - 4 f(x) x + f(x) - x$$

Sequence: A180222
Score: 19.2401
Type of gen. func.: ogf

$$- \frac{x}{8 x^2 + 4 x - 1}$$

Sequence: A180222
Score: 19.5097
Type of gen. func.: revogf

$$\frac{-4 x - 1 + (48 x^2 + 8 x + 1)^{1/2}}{16 x}$$

Sequence: A180222
Score: 29.2645
Type of gen. func.: lgdogf

$$- \frac{4 (4 x + 1)}{8 x^2 + 4 x - 1}$$

Sequence: A180222
Score: 8.78868
Type of gen. func.: ogf

{-a(n + 2) + 4 a(n + 1) + 8 a(n), a(0) = 0, a(1) = 1}

Sequence: A180223
Score: 12.1180
Type of gen. func.: ogf

$$-\frac{x\,(9\,x+2)}{(x-1)^{3}}$$

Sequence: A180223
Score: 28.3160
Type of gen. func.: lgdogf

$$-\frac{3\,(5+6\,x)}{(9\,x+2)\,(x-1)}$$

Sequence: A180223
Score: 5.75604
Type of gen. func.: ogf

$$-(56023\,f(x)-196833)\,(f(x)\,x^{3}-3\,f(x)\,x^{2}+3\,f(x)\,x+9\,x^{2}-f(x)+2\,x)$$

Sequence: A180223
Score: 6.16718
Type of gen. func.: ogf

$$\{a(n+3)-3\,a(n+2)+3\,a(n+1)-a(n),\ a(0)=0,\ a(1)=2,\ a(2)=15\}$$

Sequence: A180226
Score: 12.0766
Type of gen. func.: ogf

$$-10\,f(x)\,x^{2}-4\,f(x)\,x+f(x)-x$$

Sequence: A180226
Score: 19.0683
Type of gen. func.: ogf

$$-\frac{x}{10 x^2 + 4 x - 1}$$

Sequence: A180226
Score: 19.8628
Type of gen. func.: revogf

$$\frac{-4 x - 1 + (56 x^2 + 8 x + 1)^{1/2}}{20 x}$$

Sequence: A180226
Score: 28.6024
Type of gen. func.: lgdogf

$$-\frac{4 (5 x + 1)}{10 x^2 + 4 x - 1}$$

Sequence: A180226
Score: 8.83652
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 10 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A180232
Score: 14.3734
Type of gen. func.: ogf

$$-\frac{x (15 x + 2)}{(x - 1)^3}$$

Sequence: A180232
Score: 31.6246
Type of gen. func.: lgdogf

$$-\frac{3 (7 + 10 x)}{(15 x + 2) (x - 1)}$$

Sequence: A180232
Score: 7.12529
Type of gen. func.: ogf

$$(41905 f(x) - 229881) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 15 x^2 - f(x) + 2 x)$$

Sequence: A180232
Score: 7.44338
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 2, a(2) = 21\}$$

Sequence: A180236
Score: 11.4590
Type of gen. func.: ogf

$$- \frac{91 x^3 - 91 x^2 + 10 x + 101}{x^4 + x^2 - 1}$$

Sequence: A180236
Score: 5.89803
Type of gen. func.: ogf

$$-(1858644458582 f(x) - 116708442988521)$$

$$(f(x) x^4 + f(x) x^2 + 91 x^3 - 91 x^2 - f(x) + 10 x + 101)$$

Sequence: A180236
Score: 7.81658
Type of gen. func.: lgdogf

$$- \frac{91 x^6 - 182 x^5 - 61 x^4 + 404 x^3 + 283 x^2 + 20 x + 10}{(91 x^3 - 91 x^2 + 10 x + 101) (x^4 + x^2 - 1)}$$

Sequence: A180250
Score: 11.7058
Type of gen. func.: ogf

$$-10 f(x) x^2 - 5 f(x) x + f(x) - x$$

Sequence: A180250
Score: 18.4829
Type of gen. func.: ogf

$$-\frac{x}{10 x^2 + 5 x - 1}$$

Sequence: A180250
Score: 18.7282
Type of gen. func.: revogf

$$\frac{-5 x - 1 + (65 x^2 + 10 x + 1)^{1/2}}{20 x}$$

Sequence: A180250
Score: 27.7177
Type of gen. func.: lgdogf

$$-\frac{5 (4 x + 1)}{10 x^2 + 5 x - 1}$$

Sequence: A180250
Score: 8.56524
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + 10 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A180254
Score: 12.7949
Type of gen. func.: egf]

3 3

$$6 f(x) x - f(x) - 3 f(x) + 4$$

Sequence: A180254
Score: 20.3513
Type of gen. func.: revegf]

$$1/12 + x/2 - \frac{(-(4 x - 1)^3)^{1/2}}{12}$$

Sequence: A180260
Score: 20.3301
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A180266
Score: 3.46055
Type of gen. func.: ogf

$$-64 f(x)^2 x^3 + 48 f(x)^2 x^2 + 128 f(x) x^3 - 100 x^4 - 12 f(x)^2 x - 96 f(x) x^2$$
$$+ 76 x^3 + f(x)^2 + 24 f(x) x - 21 x^2 - 2 f(x) + 2 x$$

Sequence: A180274
Score: 5.21451
Type of gen. func.: ogf

$$- 2 (25 x^{11} + 19 x^{10} + 17 x^9 + 17 x^8 + 19 x^7 + 25 x^6 - 215 x^5 - 137 x^4 - 91 x^3$$
$$- 79 x^2 - 53 x - 35) / (x^{12} - 10 x^6 + 1)$$

Sequence: A180291
Score: 11.9628
Type of gen. func.: ogf

$$-\frac{x^3 - 3 x^2 + 3 x + 1}{}$$

$$(x - 1)^3$$

Sequence: A180291
Score: 31.1457
Type of gen. func.: lgdogf

$$- \frac{6}{(x - 1) (x^3 - 3 x^2 + 3 x + 1)}$$

Sequence: A180291
Score: 6.15997
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 6, a(2) = 12, a(3) = 20\}$$

Sequence: A180291
Score: 8.50966
Type of gen. func.: ogf

$$-f(x) x^3 + 3 f(x) x^2 - x^3 - 3 f(x) x + 3 x^2 + f(x) - 3 x - 1$$

Sequence: A180292
Score: 10.2422
Type of gen. func.: lgdogf

$$\frac{2 (3 x^5 - 15 x^4 + 29 x^3 - 25 x^2 + 5 x + 9)}{(x - 1) (6 x^5 - 16 x^4 + 6 x^3 + 16 x^2 - 14 x - 1)}$$

Sequence: A180292
Score: 8.37082
Type of gen. func.: ogf

$$- \frac{6 x^5 - 16 x^4 + 6 x^3 + 16 x^2 - 14 x - 1}{(x - 1)^4}$$

Sequence: A180293
Score: 5.95372
Type of gen. func.: ogf

$$-\frac{15 x^7 - 25 x^6 - 61 x^5 + 167 x^4 - 93 x^3 - 45 x^2 + 45 x + 1}{(x - 1)^5}$$

Sequence: A180293
Score: 6.50692
Type of gen. func.: lgdogf

$$\frac{2 (15 x^7 - 65 x^6 + 75 x^5 + 69 x^4 - 241 x^3 + 207 x^2 - 45 x - 25)}{(x - 1) (15 x^7 - 25 x^6 - 61 x^5 + 167 x^4 - 93 x^3 - 45 x^2 + 45 x + 1)}$$

Sequence: A180294
Score: 4.72029
Type of gen. func.: ogf

$$- (28 x^9 - 21 x^8 - 182 x^7 + 139 x^6 + 696 x^5 - 1298 x^4 + 678 x^3 + 90 x^2 - 134 x - 1) / (x - 1)^6$$

Sequence: A180295
Score: 3.61412
Type of gen. func.: ogf

$$- (45 x^{11} + 9 x^{10} - 343 x^9 - 259 x^8 + 1966 x^7 - 98 x^6 - 6230 x^5 + 8548 x^4 - 4011 x^3 - 7 x^2 + 385 x + 1) / (x - 1)^7$$

Sequence: A180312
Score: 15.0764
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3x^4+2x^3+1}{-x^5-x^4-x-1}$$

Sequence: A180313
Score: 10.0217
Type of gen. func.: ogf

$$(26 f(x) - 53) (17 f(x) x^2 - 38 x^2 - f(x) + 5 x + 3)$$

Sequence: A180313
Score: 15.5239
Type of gen. func.: ogf

$$\frac{38 x^2 - 5 x - 3}{17 x^2 - 1}$$

Sequence: A180313
Score: 18.9923
Type of gen. func.: lgdogf

$$\frac{85 x^2 + 26 x + 5}{(38 x^2 - 5 x - 3) (17 x^2 - 1)}$$

Sequence: A180313
Score: 9.20602
Type of gen. func.: ogf

$$\{a(n + 3) - 17 a(n + 1), a(0) = 3, a(1) = 5, a(2) = 13\}$$

Sequence: A180319
Score: 11.7034
Type of gen. func.: ogf

$$4 x (x^2 - 7 x - 2)$$

$$\frac{}{(x - 1)^3}$$

Sequence: A180319
Score: 24.5575
Type of gen. func.: lgdogf

$$-\frac{(x + 1) (x - 13)}{(x - 1) (x^2 - 7 x - 2)}$$

Sequence: A180319
Score: 5.76435
Type of gen. func.: ogf

$\{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 0, a(1) = 8, a(2) = 52,$

$a(3) = 128\}$

Sequence: A180319
Score: 6.08207
Type of gen. func.: ogf

$-(5296 f(x) - 84315)$

$(f(x) x^3 - 3 f(x) x^2 - 4 x^3 + 3 f(x) x + 28 x^2 - f(x) + 8 x)$

Sequence: A180324
Score: 19.0032
Type of gen. func.: lgdogf

$$-\frac{9 x^2 + 46 x + 25}{(x - 1) (x + 3) (3 x + 1)}$$

Sequence: A180324
Score: 8.27015
Type of gen. func.: ogf

$$-\frac{x (x + 3) (3 x + 1)}{5}$$

$$(x - 1)$$

Sequence: A180343
Score: 10.3169
Type of gen. func.: ogf

$$\frac{9 x^4 + 2 x^3 + x^2 + 6 x - 4}{(x - 1) (2 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A180343
Score: 7.78276
Type of gen. func.: lgdogf

$$- \frac{2 (9 x^8 + 4 x^7 + 2 x^6 + 23 x^5 - 2 x^4 - 6 x^3 - 2 x^2 - x + 1)}{(x - 1) (2 x - 1) (x + 1) (x^2 + 1) (9 x^4 + 2 x^3 + x^2 + 6 x - 4)}$$

Sequence: A180354
Score: 14.9308
Type of gen. func.: lgdogf

$$- \frac{6 (x^3 - 10 x^2 - 7 x - 4)}{(x - 1) (3 x^3 - 23 x^2 + x - 5)}$$

Sequence: A180354
Score: 3.71003
Type of gen. func.: ogf

$$\{(346 n^2 + 1901 n + 2418) a(n + 1) + (-440 n^2 - 920 n + 744) a(n + 2)$$

$$+ (94 n^2 + 27 n - 322) a(n + 3), a(0) = 0, a(1) = 5, a(2) = 24\}$$

Sequence: A180354
Score: 7.74266
Type of gen. func.: ogf

$$\frac{x (3 x^3 - 23 x^2 + x - 5)}{(x - 1)^5}$$

Sequence: A180355
Score: 12.4298
Type of gen. func.: lgdogf

$$- \frac{2 x^4 + 7 x^3 + 67 x^2 + 37 x + 7}{(x - 1) (x^4 + x^3 + 16 x^2 + x + 1)}$$

Sequence: A180355
Score: 6.36555
Type of gen. func.: ogf

$$\frac{6 x (x^4 + x^3 + 16 x^2 + x + 1)}{(x - 1)^6}$$

Sequence: A180356
Score: 5.13245
Type of gen. func.: ogf

$$\frac{x (5 x^5 - 87 x^4 - 242 x^3 - 362 x^2 - 27 x - 7)}{(x - 1)^7}$$

Sequence: A180356
Score: 7.44341
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^5 - 118 x^4 - 658 x^3 - 1268 x^2 - 443 x - 38)}{(x - 1) (5 x^5 - 87 x^4 - 242 x^3 - 362 x^2 - 27 x - 7)}$$

Sequence: A180357

Score: 3.81177
Type of gen. func.: ogf

$$\frac{2 x (4 x^6 + 39 x^5 + 648 x^4 + 1138 x^3 + 648 x^2 + 39 x + 4)}{(x - 1)^8}$$

Sequence: A180357
Score: 5.41316
Type of gen. func.: lgdogf

$$- \frac{8 x^6 + 141 x^5 + 2787 x^4 + 8282 x^3 + 7302 x^2 + 1569 x + 71}{(x - 1) (4 x^6 + 39 x^5 + 648 x^4 + 1138 x^3 + 648 x^2 + 39 x + 4)}$$

Sequence: A180358
Score: 3.60844
Type of gen. func.: ogf

$$\frac{x (7 x^7 - 303 x^6 - 4125 x^5 - 15899 x^4 - 15339 x^3 - 4461 x^2 - 191 x - 9)}{(x - 1)^9}$$

Sequence: A180359
Score: 5.28238
Type of gen. func.: ogf

$$10 x (x^8 + 43 x^7 + 1486 x^6 + 8773 x^5 + 15682 x^4 + 8773 x^3 + 1486 x^2 + 43 x + 1) \bigg/ (x - 1)^{10}$$

Sequence: A180364
Score: 25.1455
Type of gen. func.: revogf

$$- \frac{-2 - x + (4 + 3 x)^{1/2}}{x + 1}$$

Sequence: A180364
Score: 3.27538
Type of gen. func.: ogf

$$\{(-2 n^3 - 18 n^2 - 51 n - 46) a(n + 1) + (12 n^3 + 90 n^2 + 184 n + 85) a(n + 2)$$

$$+ (-2 n^3 - 12 n^2 - 21 n - 9) a(n + 3), a(0) = 1, a(1) = 19, a(2) = 205\}$$

Sequence: A180364
Score: 33.9464
Type of gen. func.: lgdogf

$$- \frac{x - 7}{(x - 1) (-4 + x)}$$

Sequence: A180374
Score: 4.51499
Type of gen. func.: ogf

$$\{a(n + 4) - 6 a(n + 3) - 18 a(n + 2) + 32 a(n + 1), a(0) = 1, a(1) = 21,$$

$$a(2) = 156, a(3) = 1236\}$$

Sequence: A180374
Score: 4.93828
Type of gen. func.: ogf

$$(337 f(x) + 668)$$

$$(32 f(x) x^3 - 18 f(x) x^2 + 46 x^3 - 6 f(x) x - 12 x^2 + f(x) - 15 x - 1)$$

Sequence: A180374
Score: 7.84957
Type of gen. func.: lgdogf

$$- \frac{3 (148 x^4 - 136 x^3 - 12 x^2 + 20 x + 7)}{(32 x^3 - 18 x^2 - 6 x + 1) (46 x^3 - 12 x^2 - 15 x - 1)}$$

Sequence: A180374
Score: 8.54188
Type of gen. func.: ogf

$$-\frac{46 x^3 - 12 x^2 - 15 x - 1}{32 x^3 - 18 x^2 - 6 x + 1}$$

Sequence: A180399
Score: 12.7546
Type of gen. func.: ogf

$$x^2 + x - f(x) + 3 f(x)^2 - 3 f(x)^3$$

Sequence: A180399
Score: 20.6420
Type of gen. func.: revogf

$$- 1/2 + \frac{(12 x^3 - 12 x^2 + 4 x + 1)^{1/2}}{2}$$

Sequence: A180399
Score: 3.60056
Type of gen. func.: ogf

$$\{(18 n^2 - 12 n) a(n) + (27 n^2 + 33 n + 6) a(n + 1)$$

$$+ (7 n^2 + 29 n + 30) a(n + 2) + (-n^2 - 5 n - 6) a(n + 3), a(0) = 0,$$

$$a(1) = 1, a(2) = 4\}$$

Sequence: A180400
Score: 24.5900
Type of gen. func.: lgdogf

$$-\frac{3 (2 x + 1)}{9 x^2 + 9 x - 1}$$

Sequence: A180400
Score: 3.93557
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-21 - 9 n) a(n + 2) + (-15 - 9 n) a(n + 1), a(0) = 1, a(1) = 3, a(2) = 21\}$$

Sequence: A180400
Score: 9.55781
Type of gen. func.: ogf

$$-9 f(x)^3 x^2 - 9 f(x)^3 x + f(x)^3 - 1$$

Sequence: A180413
Score: 13.0325
Type of gen. func.: ogf

$$\frac{144 x}{(x - 1)^4}$$

Sequence: A180413
Score: 5.73427
Type of gen. func.: ogf

$$-(7 f(x) + 648) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + f(x) - 144 x)$$

Sequence: A180413
Score: 54.6521
Type of gen. func.: ogf_with_Euler_transform]

[4]

Sequence: A180413
Score: 6.82652
Type of gen. func.: ogf

$$\{(n + 1) a(n + 2) + (-n - 4) a(n + 1), a(0) = 0, a(1) = 144\}$$

Sequence: A180413
Score: 88.2869
Type of gen. func.: lgdogf

$$-\frac{4}{x-1}$$

Sequence: A180415
Score: 12.0526
Type of gen. func.: ogf

$$\frac{x^3-x+1}{(x-1)^4}$$

Sequence: A180415
Score: 24.0068
Type of gen. func.: lgdogf

$$-\frac{x^3+3x^2-3x+3}{(x-1)(x^3-x+1)}$$

Sequence: A180415
Score: 4.49531
Type of gen. func.: ogf

$$\{(-19n^2-117n-158)a(n+1)+(36n^2+160n+68)a(n+2)$$

$$+(-17n^2-49n+6)a(n+3),\ a(0)=1,\ a(1)=3,\ a(2)=6\}$$

Sequence: A180415
Score: 6.44676
Type of gen. func.: ogf

$$(2f(x)-3)(f(x)x^4-4f(x)x^3+6f(x)x^2-x^3-4f(x)x+f(x)+x-1)$$

Sequence: A180463
Score: 18.948
Type of gen. func.: ogf

$$-(f(x) - 37 x - 1)^{3}$$

Sequence: A180464
Score: 5.54838
Type of gen. func.: ogf

$$(f(x) - 1)^{2} (4639768895493487 x^{5} + 888215331 f(x) x - 25745371 f(x) - 888215331 x + 25745371)$$

Sequence: A180473
Score: 6.46904
Type of gen. func.: revogf

$$\frac{(5 x^{2} + 2 x + 1)^{1/2} x + 2 (5 x^{2} + 2 x + 1)^{1/2} - 2 - 3 x - 3 x^{2}}{2 x (x + 1)}$$

Sequence: A180473
Score: 6.69412
Type of gen. func.: ogf

$$f(x)^{2} x^{3} + 3 f(x)^{2} x^{2} + f(x)^{2} x + f(x) x^{2} + 3 f(x) x - 2 f(x) + 2$$

Sequence: A180483
Score: 7.20909
Type of gen. func.: lgdogf

$$-\frac{2 (x^{8} - 3 x^{7} - 26 x^{6} + 11 x^{5} + 140 x^{4} - 29 x^{3} - 22 x^{2} + 5 x + 3)}{(x - 1) (2 x^{4} - 3 x^{3} - 25 x^{2} + 3 x + 3) (x^{4} - 10 x^{2} + 1)}$$

Sequence: A180483
Score: 7.94869
Type of gen. func.: ogf

$$-\frac{2x^4 - 3x^3 - 25x^2 + 3x + 3}{(x - 1)(x^4 - 10x^2 + 1)}$$

Sequence: A180486
Score: 10.4356
Type of gen. func.: ogf

{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 5, a(1) = 8}

Sequence: A180486
Score: 19.0159
Type of gen. func.: ogf

$$-\frac{2x - 5}{(x - 1)^2}$$

Sequence: A180486
Score: 23.9811
Type of gen. func.: revogf

$$-\frac{-5 - 2x + (12x + 25)^{1/2}}{2(x + 2)}$$

Sequence: A180486
Score: 36.4930
Type of gen. func.: lgdogf

$$-\frac{2(-4 + x)}{(x - 1)(2x - 5)}$$

Sequence: A180486
Score: 9.95021
Type of gen. func.: ogf

$$(3 f(x) + 17) (f(x) x^2 - 2 f(x) x + f(x) + 2 x - 5)$$

Sequence: A180488
Score: 11.1867
Type of gen. func.: lgdogf

$$-\frac{5 x^4 - 12 x^3 + 12 x^2 - 3}{(x - 1) (x^4 - 2 x^3 + 2 x^2 + 2 x - 1)}$$

Sequence: A180488
Score: 12.0085
Type of gen. func.: ogf

$$\frac{x}{(x - 1) (x^4 - 2 x^3 + 2 x^2 + 2 x - 1)}$$

Sequence: A180500
Score: 4.59785
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A180503
Score: 4.97065
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A180509
Score: 5.73720
Type of gen. func.: ogf

$$-\frac{5 x^8 - 6 x^7 - 14 x^6 - 78 x^5 - 605 x^4 + 78 x^3 + 14 x^2 + 6 x + 6}{(x - 1) (x^8 - 110 x^4 + 1)}$$

Sequence: A180510
Score: 10.2806
Type of gen. func.: ogf

$$\frac{x (x^4 + 2 x^3 + x^2 + 2 x + 1)}{x^6 + x^5 - 2 x^4 - 5 x^3 - 2 x^2 + x + 1}$$

Sequence: A180510
Score: 9.20846
Type of gen. func.: lgdogf

$$- \frac{2 x^9 + 7 x^8 + 8 x^7 + 14 x^6 + 14 x^5 - 11 x^4 - 36 x^3 - 26 x^2 - 6 x - 1}{(x^4 + 2 x^3 + x^2 + 2 x + 1) (x^6 + x^5 - 2 x^4 - 5 x^3 - 2 x^2 + x + 1)}$$

Sequence: A180516
Score: 18.1649
Type of gen. func.: ogf

$$\frac{x (x^2 + x + 1)}{(x - 1) (4 x^3 - 1)}$$

Sequence: A180516
Score: 19.4850
Type of gen. func.: lgdogf

$$- \frac{8 x^5 + 8 x^4 + 8 x^3 - 11 x^2 - 2 x - 2}{(x - 1) (4 x^3 - 1) (x^2 + x + 1)}$$

Sequence: A180516
Score: 9.8393
Type of gen. func.: ogf

4   3   3   2

$-(4 f(x) + 11) (4 f(x) x - 4 f(x) x - x - f(x) x - x + f(x) - x)$

Sequence: A180567
Score: 3.74216
Type of gen. func.: ogf

$$-\frac{2 x^2 (x^7 - 2 x^6 - 6 x^5 + 6 x^4 + 6 x^3 - 8 x^2 + 3 x - 2)}{(x + 1)^2 (x^2 - 3 x + 1)^2 (x^2 + x - 1)^2}$$

Sequence: A180569
Score: 11.0969
Type of gen. func.: ogf

$$-\frac{4 x^2 - 9 x - 4}{(x - 1)^4}$$

Sequence: A180569
Score: 20.2981
Type of gen. func.: lgdogf

$$-\frac{8 x^2 - 19 x - 25}{(x - 1) (4 x^2 - 9 x - 4)}$$

Sequence: A180569
Score: 3.73504
Type of gen. func.: ogf

$\{(-4 n - 16) a(n + 4) + (10 - 5 n) a(n + 3) + (45 + 13 n) a(n + 2)$

$+ (-12 - 4 n) a(n + 1), a(0) = 4, a(1) = 25, a(2) = 72, a(3) = 154\}$

Sequence: A180569
Score: 5.39214
Type of gen. func.: ogf

$(3160944 f(x) + 51263545)$

$$(f(x)\, x^4 - 4\, f(x)\, x^3 + 6\, f(x)\, x^2 - 4\, f(x)\, x + 4\, x^2 + f(x) - 9\, x - 4)$$

Sequence: A180571
Score: 12.8317
Type of gen. func.: lgdogf

$$-\frac{2\, (8\, x^3 - 39\, x^2 + 81\, x - 68)}{(x - 1)\, (16\, x^3 - 63\, x^2 + 96\, x - 58)}$$

Sequence: A180571
Score: 5.62115
Type of gen. func.: ogf

$$(905\, f(x) + 64198)\, (f(x)\, x^4 - 4\, f(x)\, x^3 + 6\, f(x)\, x^2 + 16\, x^3 - 4\, f(x)\, x - 63\, x^2$$
$$+ f(x) + 96\, x - 58)$$

Sequence: A180571
Score: 9.04959
Type of gen. func.: ogf

$$-\frac{16\, x^3 - 63\, x^2 + 96\, x - 58}{(x - 1)^4}$$

Sequence: A180574
Score: 6.76295
Type of gen. func.: ogf

$$-\frac{(5\, x^2 - 2\, x - 9)\, (2\, x^3 - 3\, x^2 + 3)}{(x + 1)^2\, (x - 1)^4}$$

Sequence: A180574
Score: 8.69219
Type of gen. func.: lgdogf

$$-\frac{2\,(5\,x^6-9\,x^5-12\,x^4+34\,x^3+9\,x^2-45\,x-30)}{(x-1)\,(x+1)\,(5\,x^2-2\,x-9)\,(2\,x^3-3\,x^2+3)}$$

Sequence: A180576
Score: 7.38431
Type of gen. func.: lgdogf

$$-\frac{27\,x^6-46\,x^5-70\,x^4+170\,x^3+65\,x^2-214\,x-148}{(x-1)\,(x+1)\,(27\,x^5-50\,x^4-35\,x^3+110\,x^2-10\,x-69)}$$

Sequence: A180576
Score: 7.59265
Type of gen. func.: ogf

$$-\frac{6\,x^4+x^3-11\,x^2-19\,x-4}{(x+1)^2\,(x-1)^4}$$

Sequence: A180577
Score: 13.4260
Type of gen. func.: ogf

$$-\frac{5\,(3+7\,x)}{(x-1)^3}$$

Sequence: A180577
Score: 30.1617
Type of gen. func.: lgdogf

$$-\frac{2\,(8+7\,x)}{(3+7\,x)\,(x-1)}$$

Sequence: A180577
Score: 6.36578
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 15, a(1) = 80, a(2) = 195\}$$

Sequence: A180577
Score: 6.53478
Type of gen. func.: ogf

$$(3620 f(x) - 113709) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 35 x + 15)$$

Sequence: A180578
Score: 13.4589
Type of gen. func.: ogf

$$- \frac{9 (3 + 7 x)}{(x - 1)^3}$$

Sequence: A180578
Score: 30.2415
Type of gen. func.: lgdogf

$$- \frac{2 (8 + 7 x)}{(3 + 7 x) (x - 1)}$$

Sequence: A180578
Score: 6.32683
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 27, a(1) = 144, a(2) = 351\}$$

Sequence: A180578
Score: 6.43685
Type of gen. func.: ogf

$$(18100 f(x) - 1023381) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 63 x + 27)$$

Sequence: A180579
Score: 13.4260

Type of gen. func.: ogf

$$-\frac{3\,(11\,x + 5)}{(x - 1)^{3}}$$

Sequence: A180579
Score: 26.8104
Type of gen. func.: lgdogf

$$-\frac{2\,(11\,x + 13)}{(11\,x + 5)\,(x - 1)}$$

Sequence: A180579
Score: 6.31137
Type of gen. func.: ogf

$$(838400\,f(x) - 25375743)\,(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x - f(x) + 33\,x + 15)$$

Sequence: A180579
Score: 6.36578
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 15,\ a(1) = 78,\ a(2) = 189\}$$

Sequence: A180582
Score: 5.97291
Type of gen. func.: ogf

$$\frac{(x + 1)\,(6\,x^{6} - 14\,x^{5} - 2\,x^{4} - 24\,x^{3} + 16\,x^{2} - 2\,x + 1)}{12\,x^{7} + 32\,x^{6} + 36\,x^{5} + 28\,x^{4} - 10\,x^{3} - 9\,x + 1}$$

Sequence: A180592
Score: 9.76871
Type of gen. func.: ogf

$$-\frac{x\,(9\,x^{8} + 7\,x^{7} + 5\,x^{6} + 3\,x^{5} + x^{4} + 8\,x^{3} + 6\,x^{2} + 4\,x + 2)}{}$$

$$(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)$$

Sequence: A180593
Score: 13.7965
Type of gen. func.: lgdogf

$$- \frac{3 x^4 + 4 x^3 + 3 x^2 + 6 x + 2}{(x - 1) (x^2 + x + 1) (3 x^2 + 2 x + 1)}$$

Sequence: A180593
Score: 14.8302
Type of gen. func.: ogf

$$- \frac{3 x (3 x^2 + 2 x + 1)}{(x - 1) (x^2 + x + 1)}$$

Sequence: A180593
Score: 8.27368
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 1), a(0) = 0, a(1) = 3, a(2) = 6, a(3) = 9\}$$

Sequence: A180593
Score: 9.825
Type of gen. func.: ogf

$$(13 f(x) + 2) (f(x) x^3 + 9 x^3 + 6 x^2 - f(x) + 3 x)$$

Sequence: A180594
Score: 9.76871
Type of gen. func.: ogf

$$- \frac{x (9 x^8 + 5 x^7 + x^6 + 6 x^5 + 2 x^4 + 7 x^3 + 3 x^2 + 8 x + 4)}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A180595
Score: 9.76871
Type of gen. func.: ogf

$$-\frac{x\,(9\,x^{8}+4\,x^{7}+8\,x^{6}+3\,x^{5}+7\,x^{4}+2\,x^{3}+6\,x^{2}+x+5)}{(x-1)\,(x^{2}+x+1)\,(x^{6}+x^{3}+1)}$$

Sequence: A180596
Score: 10.3857
Type of gen. func.: ogf

$$\{-a(n+4)+a(n+1),\ a(0)=0,\ a(1)=6,\ a(2)=3,\ a(3)=9\}$$

Sequence: A180596
Score: 12.333
Type of gen. func.: ogf

$$(23\,f(x)+5)\,(f(x)\,x^{3}+9\,x^{3}+3\,x^{2}-f(x)+6\,x)$$

Sequence: A180596
Score: 18.0125
Type of gen. func.: lgdogf

$$-\frac{3\,x^{4}+2\,x^{3}+6\,x^{2}+6\,x+1}{(x-1)\,(x^{2}+x+1)\,(3\,x^{2}+x+2)}$$

Sequence: A180596
Score: 18.6158
Type of gen. func.: ogf

$$-\frac{3\,x\,(3\,x^{2}+x+2)}{(x-1)\,(x^{2}+x+1)}$$

Sequence: A180597
Score: 9.76871
Type of gen. func.: ogf

$$-\frac{x\,(9\,x^8+2\,x^7+4\,x^6+6\,x^5+8\,x^4+x^3+3\,x^2+5\,x+7)}{(x-1)\,(x^2+x+1)\,(x^6+x^3+1)}$$

Sequence: A180598
Score: 9.76871
Type of gen. func.: ogf

$$-\frac{x\,(9\,x^8+x^7+2\,x^6+3\,x^5+4\,x^4+5\,x^3+6\,x^2+7\,x+8)}{(x-1)\,(x^2+x+1)\,(x^6+x^3+1)}$$

Sequence: A180599
Score: 11.0704
Type of gen. func.: ogf

$$\{-a(n+2)+a(n+1),\ a(0)=0,\ a(1)=9\}$$

Sequence: A180599
Score: 110.372
Type of gen. func.: revogf

$$\frac{x}{9+x}$$

Sequence: A180599
Score: 13.322
Type of gen. func.: ogf

$$-f(x)\,(f(x)\,x-f(x)+9\,x)$$

Sequence: A180599
Score: 27.1034
Type of gen. func.: ogf

$$-\frac{9x}{x-1}$$

Sequence: A180599
Score: 60.3051
Type of gen. func.: ogf_with_Euler_transform]

$$[1]$$

Sequence: A180599
Score: 96.5753
Type of gen. func.: lgdogf

$$-\frac{1}{x-1}$$

Sequence: A180664
Score: 5.04839
Type of gen. func.: ogf

$$-(10399 f(x) - 7335) (f(x) x^4 - 3 f(x) x^3 - x^3 + 3 f(x) x + 2 x^2 - f(x) + 2 x)$$

Sequence: A180664
Score: 8.94585
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 9 x^4 + 4 x^3 + 15 x^2 + 2 x - 8}{(x - 1) (x + 1) (x^2 - 3 x + 1) (x^2 - 2 x - 2)}$$

Sequence: A180664
Score: 9.78611
Type of gen. func.: ogf

$$\frac{x (x^2 - 2 x - 2)}{(x - 1) (x + 1) (x^2 - 3 x + 1)}$$

Sequence: A180665
Score: 10.4882
Type of gen. func.: ogf

$$-\frac{x}{(x-1)(x^2-3x+1)(x+1)^2}$$

Sequence: A180665
Score: 13.6910
Type of gen. func.: lgdogf

$$-\frac{5x^3-13x^2+4x+2}{(x-1)(x+1)(x^2-3x+1)}$$

Sequence: A180666
Score: 8.22231
Type of gen. func.: ogf

$$-\frac{x}{(x-1)(x^2+1)(x^2-3x+1)(x+1)^2}$$

Sequence: A180666
Score: 9.58648
Type of gen. func.: lgdogf

$$-\frac{7x^5-19x^4+9x^3-5x^2+2x+2}{(x-1)(x+1)(x^2+1)(x^2-3x+1)}$$

Sequence: A180667
Score: 5.19595
Type of gen. func.: ogf

$$-\frac{44x^4-218x^3+1425x^2+1408x+41}{(x-1)^5}$$

Sequence: A180667
Score: 6.66292
Type of gen. func.: lgdogf

$$-\frac{44 x^{4} - 260 x^{3} + 3621 x^{2} + 8482 x + 1613}{(x - 1) (44 x^{4} - 218 x^{3} + 1425 x^{2} + 1408 x + 41)}$$

Sequence: A180668
Score: 12.2282
Type of gen. func.: lgdogf

$$-\frac{3 x^{4} + 6 x^{3} + 2 x^{2} + 2 x - 5}{(x - 1) (x + 1) (x^{3} + x^{2} + x - 1)}$$

Sequence: A180668
Score: 8.50682
Type of gen. func.: ogf

$$-\frac{x^{2} (x + 1)^{2}}{(x^{3} + x^{2} + x - 1) (x - 1)^{2}}$$

Sequence: A180669
Score: 12.3105
Type of gen. func.: lgdogf

$$-\frac{3 x^{4} + 8 x^{3} + 4 x^{2} + 4 x - 7}{(x - 1) (x + 1) (x^{3} + x^{2} + x - 1)}$$

Sequence: A180669
Score: 6.52798
Type of gen. func.: ogf

2   3

$$\frac{x\,(x+1)}{(x^3+x^2+x-1)\,(x-1)^3}$$

Sequence: A180670
Score: 13.0606
Type of gen. func.: lgdogf

$$-\frac{(x+3)\,(3\,x^3+x^2+3\,x-3)}{(x-1)\,(x+1)\,(x^3+x^2+x-1)}$$

Sequence: A180670
Score: 5.63960
Type of gen. func.: ogf

$$-\frac{x^2\,(x+1)^4}{(x^3+x^2+x-1)\,(x-1)^4}$$

Sequence: A180671
Score: 16.0161
Type of gen. func.: ogf

$$\frac{x\,(3\,x+5)}{(x-1)\,(x^2+x-1)}$$

Sequence: A180671
Score: 16.0736
Type of gen. func.: lgdogf

$$-\frac{6\,x^3+15\,x^2-13}{(x-1)\,(3\,x+5)\,(x^2+x-1)}$$

Sequence: A180671
Score: 8.26095
Type of gen. func.: ogf

$$(5695 f(x) + 5187) (f(x) x^3 - 2 f(x) x - 3 x^2 + f(x) - 5 x)$$

Sequence: A180671
Score: 8.34884
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n), a(0) = 0, a(1) = 5, a(2) = 13\}$$

Sequence: A180672
Score: 13.9860
Type of gen. func.: ogf

$$\frac{x (5 x + 8)}{(x - 1) (x^2 + x - 1)}$$

Sequence: A180672
Score: 15.3370
Type of gen. func.: lgdogf

$$- \frac{10 x^3 + 24 x^2 - 21}{(5 x + 8) (x - 1) (x^2 + x - 1)}$$

Sequence: A180672
Score: 6.7853
Type of gen. func.: ogf

$$-(39376 f(x) + 52395) (f(x) x^3 - 2 f(x) x - 5 x^2 + f(x) - 8 x)$$

Sequence: A180672
Score: 7.29060
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 0, a(1) = 8, a(2) = 21\}$$

Sequence: A180673
Score: 14.2658
Type of gen. func.: ogf

$$\frac{x\,(8\,x+13)}{(x-1)\,(x^2+x-1)}$$

Sequence: A180673
Score: 15.6177
Type of gen. func.: lgdogf

$$-\frac{16\,x^3+39\,x^2-34}{(x-1)\,(8\,x+13)\,(x^2+x-1)}$$

Sequence: A180673
Score: 7.13288
Type of gen. func.: ogf

$$(269009\,f(x)+603296)\,(f(x)\,x^3-2\,f(x)\,x-8\,x^2+f(x)-13\,x)$$

Sequence: A180673
Score: 7.50829
Type of gen. func.: ogf

$$\{a(n+3)-2\,a(n+2)+a(n),\ a(0)=0,\ a(1)=13,\ a(2)=34\}$$

Sequence: A180674
Score: 13.6591
Type of gen. func.: ogf

$$\frac{x\,(13\,x+21)}{(x-1)\,(x^2+x-1)}$$

Sequence: A180674
Score: 14.9178
Type of gen. func.: lgdogf

```
                         3       2
                     26 x  + 63 x  - 55
           - ---------------------------------
                                        2
             (x - 1) (13 x + 21) (x  + x - 1)


--------------------------------------------------------------------------------

Sequence:  A180674
Score: 6.5104
Type of gen. func.: ogf


                                        3                   2
      -(1846131 f(x) + 6597305) (f(x) x  - 2 f(x) x - 13 x  + f(x) - 21 x)



--------------------------------------------------------------------------------

Sequence:  A180674
Score: 7.33278
Type of gen. func.: ogf


        {-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 0, a(1) = 21, a(2) = 55}



--------------------------------------------------------------------------------

Sequence:  A180675
Score: 5.14312
Type of gen. func.: ogf


   {a(n + 3) - 11 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 1, a(2) = 1}



--------------------------------------------------------------------------------

Sequence:  A180675
Score: 6.38651
Type of gen. func.: ogf


                   3            2                   2
            f(x) x  - 3 f(x) x  + 11 f(x) x - 7 x  - f(x) - 10 x + 1



--------------------------------------------------------------------------------

Sequence:  A180675
Score: 8.75675
Type of gen. func.: lgdogf


                              4       3        2
                           7 x  + 20 x  - 110 x  + 20 x - 1
                     - -----------------------------------------
                               2                   3      2
                         (7 x  + 10 x - 1) (x  - 3 x  + 11 x - 1)


--------------------------------------------------------------------------------
```

Sequence: A180675
Score: 9.22495
Type of gen. func.: ogf

$$\frac{7 x^2 + 10 x - 1}{x^3 - 3 x^2 + 11 x - 1}$$

Sequence: A180676
Score: 3.91901
Type of gen. func.: ogf

$$(2 f(x) - 15) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 17 x^3 - 20 f(x) x + 13 x^2 + f(x) + 19 x - 1)$$

Sequence: A180676
Score: 5.79491
Type of gen. func.: lgdogf

$$- \frac{17 x^6 + 26 x^5 - 97 x^4 + 524 x^3 + 335 x^2 - 38 x + 1}{(17 x^3 + 13 x^2 + 19 x - 1) (x^4 - 4 x^3 + 6 x^2 - 20 x + 1)}$$

Sequence: A180676
Score: 6.87036
Type of gen. func.: ogf

$$- \frac{17 x^3 + 13 x^2 + 19 x - 1}{x^4 - 4 x^3 + 6 x^2 - 20 x + 1}$$

Sequence: A180677
Score: 3.9813
Type of gen. func.: ogf

$$(98 f(x) + 37) (16 f(x) x^4 - 32 f(x) x^3 + 24 f(x) x^2 + 8 x^3 - 9 f(x) x - 12 x^2 + f(x) + 6 x - 1)$$

Sequence: A180677
Score: 7.02870
Type of gen. func.: ogf

$$-\frac{(2 x - 1)^{3}}{(x - 1) (16 x^{3} - 16 x^{2} + 8 x - 1)}$$

Sequence: A180677
Score: 8.44162
Type of gen. func.: lgdogf

$$-\frac{32 x^{4} - 64 x^{3} + 48 x^{2} - 12 x + 3}{(x - 1) (2 x - 1) (16 x^{3} - 16 x^{2} + 8 x - 1)}$$

Sequence: A180678
Score: 10.1239
Type of gen. func.: ogf

$$-\frac{(2 x - 1)^{2}}{8 x^{3} - 11 x^{2} + 6 x - 1}$$

Sequence: A180678
Score: 12.0550
Type of gen. func.: lgdogf

$$-\frac{2 (x - 1) (8 x^{2} - 4 x + 1)}{(2 x - 1) (8 x^{3} - 11 x^{2} + 6 x - 1)}$$

Sequence: A180678
Score: 5.45809
Type of gen. func.: ogf

$$(69 f(x) - 188) (8 f(x) x^{3} - 11 f(x) x^{2} + 6 f(x) x + 4 x^{2} - f(x) - 4 x + 1)$$

Sequence: A180678
Score: 5.55471
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 11 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A180688
Score: 5.00832
Type of gen. func.: ogf

$$-(f(x) - 2236133941)^{2} (f(x) x^{2} - 2 f(x) x + f(x) + 2013041071 x - 2236133941)$$

Sequence: A180691
Score: 9.19132
Type of gen. func.: ogf

$$-(12 f(x) x + 35582976 x^{2} - f(x) + 20724 x + 1)^{2}$$

Sequence: A180713
Score: 13.1422
Type of gen. func.: lgdogf

$$- \frac{2 (x^{6} + 8 x^{5} + 7 x^{4} + 14 x^{3} + 7 x^{2} + 8 x + 3)}{(x - 1) (x + 1) (x^{2} + 1) (x^{3} + 5 x^{2} + 2 x + 4)}$$

Sequence: A180713
Score: 14.0363
Type of gen. func.: ogf

$$\frac{x (x^{3} + 5 x^{2} + 2 x + 4)}{(x^{2} + 1) (x + 1) (x - 1)^{2}}$$

Sequence: A180715
Score: 25.7072

Type of gen. func.: revegf]

$$-2 \ln(x + 1) - 2 \ln(x + 1) x + 3 x$$

Sequence: A180735
Score: 10.8801
Type of gen. func.: ogf

$$-\frac{(x - 1) (x + 1)}{x^3 + x^2 - x + 1}$$

Sequence: A180735
Score: 15.2763
Type of gen. func.: lgdogf

$$-\frac{x^4 - 2 x^2 - 4 x + 1}{(x - 1) (x + 1) (x^3 + x^2 - x + 1)}$$

Sequence: A180735
Score: 5.53720
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) + a(n + 1) + a(n), a(0) = 1, a(1) = 1, a(2) = -1\}$$

Sequence: A180735
Score: 5.58709
Type of gen. func.: ogf

$$-(3 f(x) + 1) (f(x) x^3 + f(x) x^2 - f(x) x + x^2 + f(x) - 1)$$

Sequence: A180752
Score: 8.30067
Type of gen. func.: ogf

$$-\frac{x (x^3 + x^2 + x - 1)}{(x - 1) (x + 1) (x^3 + 2 x - 1)}$$

Sequence: A180752
Score: 8.48662
Type of gen. func.: lgdogf

$$-\frac{2x^7+3x^6+4x^5-3x^4+6x^3-5x^2+1}{(x-1)(x+1)(x^3+x^2+x-1)(x^3+2x-1)}$$

Sequence: A180762
Score: 10.5763
Type of gen. func.: ogf

$$-\frac{(x-1)(2x^2+x+1)}{2x^4-x^2-3x+1}$$

Sequence: A180762
Score: 5.6349
Type of gen. func.: ogf

$$-(157 f(x)+24)(2 f(x) x^4-f(x) x^2+2x^3-3 f(x) x-x^2+f(x)-1)$$

Sequence: A180762
Score: 9.11387
Type of gen. func.: lgdogf

$$-\frac{4x^6-4x^5+2x^4+4x^3-9x^2+4x+3}{(x-1)(2x^2+x+1)(2x^4-x^2-3x+1)}$$

Sequence: A180763
Score: 4.20296
Type of gen. func.: ogf

$$-\frac{(x-1)(2x^6-3x^5-5x^4-x^3+7x^2+7x+1)}{{}^{8}\quad{}^{7}\quad{}^{6}\quad{}^{5}\quad{}^{4}\quad{}^{3}\quad{}^{2}}$$

$$2 x - 4 x - 3 x + x + 10 x + 5 x - 8 x - 5 x + 1$$

Sequence: A180844
Score: 13.6823
Type of gen. func.: revogf

$$-\frac{-1 - 29 x + (625 x^2 + 58 x + 1)^{1/2}}{108 x}$$

Sequence: A180844
Score: 16.2707
Type of gen. func.: ogf

$$\frac{x}{(27 x - 1) (2 x - 1)}$$

Sequence: A180844
Score: 19.3440
Type of gen. func.: lgdogf

$$-\frac{-29 + 108 x}{(27 x - 1) (2 x - 1)}$$

Sequence: A180844
Score: 6.86114
Type of gen. func.: ogf

$$\{a(n + 2) - 29 a(n + 1) + 54 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A180844
Score: 9.33567
Type of gen. func.: ogf

$$-54 f(x) x^2 + 29 f(x) x - f(x) + x$$

Sequence: A180845
Score: 12.1120

Type of gen. func.: revogf

$$-\frac{-1 - 19 x + (169 x^2 + 38 x + 1)^{1/2}}{96 x}$$

Sequence: A180845
Score: 14.0851
Type of gen. func.: ogf

$$\frac{x}{(16 x - 1) (3 x - 1)}$$

Sequence: A180845
Score: 16.7062
Type of gen. func.: lgdogf

$$-\frac{-19 + 96 x}{(16 x - 1) (3 x - 1)}$$

Sequence: A180845
Score: 5.93951
Type of gen. func.: ogf

$$\{a(n + 2) - 19 a(n + 1) + 48 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A180845
Score: 8.08162
Type of gen. func.: ogf

$$-48 f(x) x^2 + 19 f(x) x - f(x) + x$$

Sequence: A180846
Score: 12.3437
Type of gen. func.: revogf

$$-\frac{-1 - 83 x + (6241 x^2 + 166 x + 1)^{1/2}}{324 x}$$

Sequence: A180846
Score: 14.9695
Type of gen. func.: ogf

$$\frac{x}{(81 x - 1) (2 x - 1)}$$

Sequence: A180846
Score: 18.3027
Type of gen. func.: lgdogf

$$-\frac{-83 + 324 x}{(81 x - 1) (2 x - 1)}$$

Sequence: A180846
Score: 6.41550
Type of gen. func.: ogf

$$\{a(n + 2) - 83 a(n + 1) + 162 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A180846
Score: 8.69197
Type of gen. func.: ogf

$$-162 f(x) x^2 + 83 f(x) x - f(x) + x$$

Sequence: A180847
Score: 13.6823
Type of gen. func.: revogf

$$-\frac{-1 - 31 x + (529 x^2 + 62 x + 1)^{1/2}}{216 x}$$

Sequence: A180847
Score: 15.8188
Type of gen. func.: ogf

$$\frac{x}{(27 x - 1) (4 x - 1)}$$

Sequence: A180847
Score: 19.3440
Type of gen. func.: lgdogf

$$- \frac{-31 + 216 x}{(27 x - 1) (4 x - 1)}$$

Sequence: A180847
Score: 6.77946
Type of gen. func.: ogf

$$\{a(n + 2) - 31 a(n + 1) + 108 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A180847
Score: 9.18509
Type of gen. func.: ogf

$$-108 f(x) x^2 + 31 f(x) x - f(x) + x$$

Sequence: A180853
Score: 15.2507
Type of gen. func.: ogf

$$- \frac{5 x^4 + 7 x^3 + 9 x^2 + 6 x + 4}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A180853
Score: 9.09045
Type of gen. func.: lgdogf

$$- \frac{5 x^8 + 14 x^7 + 27 x^6 + 24 x^5 + 20 x^4 + 20 x^3 + 21 x^2 + 18 x + 6}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (5 x^4 + 7 x^3 + 9 x^2 + 6 x + 4)}$$

Sequence: A180857
Score: 8.18850
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^6-5\,x^5-8\,x^4+18\,x^3+7\,x^2-41\,x-22)}{(x-1)\,(x+1)\,(6\,x^5-11\,x^4-8\,x^3+24\,x^2-2\,x-21)}$$

Sequence: A180857
Score: 8.43990
Type of gen. func.: ogf

$$-\frac{x^4-8\,x^2-4\,x-1}{(x+1)^2\,(x-1)^4}$$

Sequence: A180861
Score: 9.11605
Type of gen. func.: ogf

$$\frac{x^4-x^2+2\,x+1}{(x+1)^2\,(x-1)^4}$$

Sequence: A180861
Score: 9.73305
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^6-3\,x^5-6\,x^4+8\,x^3+5\,x^2-10\,x-8)}{(x-1)\,(x+1)\,(4\,x^5-7\,x^4-6\,x^3+14\,x^2-8)}$$

Sequence: A180863
Score: 12.7493
Type of gen. func.: ogf

$$6\,x^2-19\,x+21$$

$$-\frac{}{(x - 1)^{3}}$$

Sequence: A180863
Score: 19.6995
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^{2} - 13 x + 22)}{(x - 1) (6 x^{2} - 19 x + 21)}$$

Sequence: A180863
Score: 6.79584
Type of gen. func.: ogf

$$(80064 f(x) - 687959) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x - x^{2} - f(x) + 3 x + 6)$$

Sequence: A180863
Score: 6.98439
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 21, a(1) = 44, a(2) = 75\}$$

Sequence: A180898
Score: 8.21003
Type of gen. func.: revogf

$$\frac{(1 + 10 x^{2} + 10 x^{3} + 3 x + (5 x^{2} + 2 x + 1)^{1/2}) x}{2 (25 x^{4} + 25 x^{3} + 15 x^{2} + 5 x + 1)}$$

Sequence: A180907
Score: 10.2635
Type of gen. func.: revogf

$$\frac{(1 + 8 x^{2} + 4 x + (8 x^{2} + 4 x + 1)^{1/2}) x}{2 (2 x + 1) (8 x^{2} + 4 x + 1)}$$

Sequence: A180907
Score: 4.80292
Type of gen. func.: ogf

$$16 f(x)^3 x^3 - 8 f(x)^3 x^2 + f(x)^3 x + 16 f(x)^2 x^2 - 4 f(x)^2 x + 6 f(x) x - f(x) + 1$$

Sequence: A180919
Score: 11.0814
Type of gen. func.: ogf

$$\frac{729 x^2 - 730 x - 1}{(x - 1)^3}$$

Sequence: A180919
Score: 16.4175
Type of gen. func.: lgdogf

$$- \frac{729 x^2 - 2 x - 733}{(x - 1) (729 x^2 - 730 x - 1)}$$

Sequence: A180919
Score: 5.41569
Type of gen. func.: ogf

$$(806668 f(x) - 26341903807653) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 729 x^2 - f(x) + 730 x + 1)$$

Sequence: A180919
Score: 6.15631
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 733, a(2) = 1467\}$$

Sequence: A180920
Score: 10.3539
Type of gen. func.: ogf

$$-\frac{x^2 - 30 x + 1}{(x - 1) (x^2 - 62 x + 1)}$$

Sequence: A180920
Score: 5.30119
Type of gen. func.: ogf

$(47453559 f(x) - 12124)$

$$(f(x) x^3 - 63 f(x) x^2 + 63 f(x) x + x^2 - f(x) - 30 x + 1)$$

Sequence: A180920
Score: 5.61567
Type of gen. func.: ogf

$\{-a(n + 3) + 63 a(n + 2) - 63 a(n + 1) + a(n), a(0) = 1, a(1) = 33, a(2) = 2017$

$\}$

Sequence: A180920
Score: 7.58206
Type of gen. func.: lgdogf

$$-\frac{x^4 - 60 x^3 + 1830 x^2 - 124 x + 33}{(x - 1) (x^2 - 30 x + 1) (x^2 - 62 x + 1)}$$

Sequence: A180921
Score: 5.45905
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 - 1826 x + 1)}{(x^2 - 62 x + 1) (x^2 - 3842 x + 1)}$$

Sequence: A180926
Score: 11.8398
Type of gen. func.: ogf

$$-\frac{x}{(x-1)(x^2-62x+1)}$$

Sequence: A180926
Score: 14.3140
Type of gen. func.: lgdogf

$$-\frac{3(x^2-42x+21)}{(x-1)(x^2-62x+1)}$$

Sequence: A180926
Score: 4.46590
Type of gen. func.: ogf

$$\{a(n+3)-63a(n+2)+63a(n+1)-a(n),\ a(0)=0,\ a(1)=1,\ a(2)=63\}$$

Sequence: A180926
Score: 6.44447
Type of gen. func.: ogf

$$f(x)x^3-63f(x)x^2+63f(x)x-f(x)+x$$

Sequence: A180958
Score: 7.22563
Type of gen. func.: ogf

$$(4f(x)-3)(f(x)x^4+3f(x)x^3-f(x)x^2-2f(x)x+x^2+f(x)+x-1)$$

Sequence: A180958
Score: 7.56472
Type of gen. func.: ogf

$$-\frac{x^2 + x - 1}{(x + 1)(x^3 + 2x^2 - 3x + 1)}$$

Sequence: A180958
Score: 9.08346
Type of gen. func.: lgdogf

$$-\frac{2x^5 + 6x^4 + 2x^3 - 8x^2 + 1}{(x + 1)(x^2 + x - 1)(x^3 + 2x^2 - 3x + 1)}$$

Sequence: A180964
Score: 12.3717
Type of gen. func.: lgdogf

$$-\frac{5x^5 + 5x^4 + 14x^3 + 22x^2 + 4x + 4}{(x - 1)(x^2 + x + 1)(5x^3 + 3x + 1)}$$

Sequence: A180964
Score: 13.2464
Type of gen. func.: ogf

$$\frac{5x^3 + 3x + 1}{(x^2 + x + 1)(x - 1)^2}$$

Sequence: A180964
Score: 4.89714
Type of gen. func.: ogf

$\{(-n - 3) a(n + 1) - a(n + 2) - a(n + 3) + (n + 2) a(n + 4), a(0) = 1, a(1) = 4,$

$a(2) = 4, a(3) = 10\}$

Sequence: A180964

Score: 7.21454
Type of gen. func.: ogf

$$(3 f(x) + 17) (f(x) x^4 - f(x) x^3 - 5 x^3 - f(x) x + f(x) - 3 x - 1)$$

Sequence: A180965
Score: 12.3167
Type of gen. func.: ogf

$$- \frac{x^3 - 2 x^2 - 1}{x^4 - 2 x^3 - 2 x + 1}$$

Sequence: A180965
Score: 13.1120
Type of gen. func.: lgdogf

$$- \frac{x^6 - 4 x^5 + 4 x^4 - x^2 + 4 x + 2}{(x^3 - 2 x^2 - 1) (x^4 - 2 x^3 - 2 x + 1)}$$

Sequence: A180965
Score: 6.7276
Type of gen. func.: ogf

$$(692 f(x) + 259) (f(x) x^4 - 2 f(x) x^3 + x^3 - 2 f(x) x - 2 x^2 + f(x) - 1)$$

Sequence: A180967
Score: 3.94626
Type of gen. func.: ogf

$$8 f(x)^2 x^4 - 4 f(x)^2 x^3 - 2 f(x)^2 x^2 - 16 f(x) x^3 + f(x)^2 x + 16 f(x) x^2 + 4 f(x) x + 16 x^2 - 4 f(x)$$

Sequence: A180970
Score: 5.41471
Type of gen. func.: ogf

$$\frac{x^8 + 2x^7 - 4x^6 - 3x^5 - 6x^4 + 3x^3 + 8x^2 + 2x + 1}{(x^2 + 1)(x^4 + x^3 - 3x^2 - x + 1)}$$

Sequence: A180972
Score: 2.51313
Type of gen. func.: ogf

$$(765 f(x) + 6701056)(2 f(x) x^2 - 5 f(x) x + 2 f(x) - 8192 x - 8192)$$

Sequence: A180972
Score: 2.79551
Type of gen. func.: ogf

$$\{-2 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 4096, a(1) = 14336\}$$

Sequence: A180972
Score: 4.87843
Type of gen. func.: ogf

$$\frac{8192 (x + 1)}{(2x - 1)(x - 2)}$$

Sequence: A180972
Score: 6.81544
Type of gen. func.: lgdogf

$$-\frac{2x^2 + 4x - 7}{(x - 2)(2x - 1)(x + 1)}$$

Sequence: A180973
Score: 3.28327
Type of gen. func.: ogf

$$-3 f(x) x^2 + 10 f(x) x - 3 f(x) + 236196 x$$

Sequence: A180973
Score: 4.96309
Type of gen. func.: ogf

$$\frac{236196\, x}{(3 x - 1) (x - 3)}$$

Sequence: A180973
Score: 7.93152
Type of gen. func.: lgdogf

$$-\frac{2 (-5 + 3 x)}{(3 x - 1) (x - 3)}$$

Sequence: A181066
Score: 8.39656
Type of gen. func.: lgdogf

1/6 (

HeunG(-1/8, 1/4, 1, 1, 1, 1, -x) + 4 HeunG(-1/8, 1/4, 1, 1, 1, 1, -x) x - 1

)/x

Sequence: A181099
Score: 7.94111
Type of gen. func.: ogf

$$\frac{x (x^8 + 3 x^7 + 3 x^6 - 5 x^5 + 3 x^4 + 3 x^3 - 5 x^2 + 3 x + 3)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A181106
Score: 11.8494
Type of gen. func.: ogf

$$\frac{x^3 - x^2 - 5 x + 1}{(x + 1) (x - 1)^3}$$

Sequence: A181106
Score: 16.4465
Type of gen. func.: lgdogf

$$-\frac{x^4 - 14 x^2 - 8 x - 3}{(x - 1) (x + 1) (x^3 - x^2 - 5 x + 1)}$$

Sequence: A181106
Score: 6.48899
Type of gen. func.: ogf

$$-(50 f(x) - 287) (f(x) x^4 - 2 f(x) x^3 - x^3 + 2 f(x) x + x^2 - f(x) + 5 x - 1)$$

Sequence: A181120
Score: 12.8912
Type of gen. func.: ogf

$$\frac{x^3}{(x^2 + x + 1) (x + 1) (x - 1)^4}$$

Sequence: A181120
Score: 18.6294
Type of gen. func.: lgdogf

$$-\frac{7 x^3 + 9 x^2 + 6 x + 2}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A181120
Score: 31.2962
Type of gen. func.: ogf_with_Euler_transform]

$$x^2 + x + 2$$

Sequence: A181137
Score: 10.7210
Type of gen. func.: ogf

$$-\frac{(x^2+1)(x+1)}{2x^3+2x^2+2x-1}$$

Sequence: A181137
Score: 11.7524
Type of gen. func.: lgdogf

$$-\frac{2x^4+4x^3+6x^2+6x+3}{(x^2+x+1)(2x^3+2x^2+2x-1)}$$

Sequence: A181137
Score: 5.56202
Type of gen. func.: ogf

$$\{-a(n+4)+2a(n+3)+2a(n+2)+2a(n+1),\ a(0)=1,\ a(1)=3,\ a(2)=9,\ a(3)=27\}$$

Sequence: A181137
Score: 6.21638
Type of gen. func.: ogf

$$(f(x)-1)(2f(x)x^3+2f(x)x^2+x^3+2f(x)x+x^2-f(x)+x+1)$$

Sequence: A181140
Score: 5.25336
Type of gen. func.: ogf

$$f(x)(2f(x)x^4+2f(x)x^3+2f(x)x^2+3x^3+2f(x)x+3x^2-f(x)+3x+3)$$

Sequence: A181140
Score: 8.52118
Type of gen. func.: lgdogf

$$-\frac{2x^6+4x^5+6x^4+8x^3+9x^2+6x+3}{(x+1)(x^2+1)(2x^4+2x^3+2x^2+2x-1)}$$

Sequence: A181140
Score: 8.80110
Type of gen. func.: ogf

$$-\frac{3(x^2+1)(x+1)}{2x^4+2x^3+2x^2+2x-1}$$

Sequence: A181153
Score: 2.66897
Type of gen. func.: ogf

$$(f(x)-1)^2$$

Sequence: A181154
Score: 3.54897
Type of gen. func.: ogf

$$(f(x)-1)^2$$

Sequence: A181156
Score: 11.7225
Type of gen. func.: ogf

$$-\frac{x^3-x^2-21x-3}{(x^2+4x-1)(x^2-4x-1)}$$

Sequence: A181156

Score: 7.14005
Type of gen. func.: ogf

$$(30912 f(x) - 7661) (f(x) x^4 - 18 f(x) x^2 + x^3 - x^2 + f(x) - 21 x - 3)$$

Sequence: A181192
Score: 3.91549
Type of gen. func.: ogf

$$-(42588260 f(x) + 2688451) (8 f(x) x^3 + 40 f(x) x^2 - 24 f(x) x + 6 x^2 + f(x) + 10 x - 1)$$

Sequence: A181192
Score: 4.38401
Type of gen. func.: ogf

$$\{-a(n + 3) + 24 a(n + 2) - 40 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 14, a(2) = 290\}$$

Sequence: A181192
Score: 7.06815
Type of gen. func.: lgdogf

$$-\frac{2 (24 x^4 + 80 x^3 + 260 x^2 - 46 x + 7)}{(2 x - 1) (4 x^2 + 22 x - 1) (6 x^2 + 10 x - 1)}$$

Sequence: A181192
Score: 8.01452
Type of gen. func.: ogf

$$-\frac{6 x^2 + 10 x - 1}{(2 x - 1) (4 x^2 + 22 x - 1)}$$

Sequence: A181193
Score: 3.92687
Type of gen. func.: ogf

$$-\frac{224 x^4 - 1976 x^3 + 164 x^2 - 78 x + 1}{(16 x - 1) (4 x^2 + 1) (4 x^2 - 104 x + 1)}$$

Sequence: A181201
Score: 3.62716
Type of gen. func.: ogf

$$\{(-27 n^3 - 216 n^2 - 573 n - 504) a(n + 1) + (n^3 + 10 n^2 + 29 n + 20) a(n + 2),$$
$$a(0) = 0, a(1) = 30\}$$

Sequence: A181202
Score: 2.73984
Type of gen. func.: ogf

$$\{(-256 n^4 - 2688 n^3 - 10544 n^2 - 18312 n - 11880) a(n + 1)$$
$$+ (n^4 + 16 n^3 + 89 n^2 + 194 n + 120) a(n + 2), a(0) = 0, a(1) = 168\}$$

Sequence: A181207
Score: 4.71915
Type of gen. func.: ogf

$$(411233 f(x) + 484221)$$
$$(9 f(x) x^4 - 15 f(x) x^3 + 9 x^3 + 5 f(x) x - 6 x^2 - f(x) - 15 x + 8)$$

Sequence: A181207
Score: 6.44515
Type of gen. func.: lgdogf

$$-\frac{81 x^6 - 108 x^5 - 315 x^4 + 648 x^3 - 303 x^2 - 12 x + 25}{(3 x^2 - 1) (3 x^2 - 5 x + 1) (9 x^3 - 6 x^2 - 15 x + 8)}$$

Sequence: A181207

Score: 8.70715
Type of gen. func.: ogf

$$-\frac{9 x^3 - 6 x^2 - 15 x + 8}{(3 x^2 - 1) (3 x^2 - 5 x + 1)}$$

Sequence: A181208
Score: 5.16071
Type of gen. func.: ogf

$$-\frac{4 (4 x^5 - 4 x^4 - 14 x^3 + 7 x^2 + 8 x - 4)}{(4 x^3 - 12 x^2 + 8 x - 1) (4 x^3 + 4 x^2 - 2 x - 1)}$$

Sequence: A181214
Score: 4.08689
Type of gen. func.: ogf

$$-\frac{4 (2 x^8 - 2 x^7 - x^6 - 9 x^5 - 23 x^4 - 7 x^3 + 4 x^2 + 4 x + 2)}{(2 x^3 - 3 x^2 - 6 x + 1) (4 x^6 + 12 x^4 - 3 x^2 - 1)}$$

Sequence: A181239
Score: 5.44201
Type of gen. func.: ogf

$$-\frac{2 (4 x^4 - 13 x^3 - 17 x^2 + 9 x + 8)}{8 x^5 - 30 x^4 - 21 x^3 + 20 x^2 + 10 x - 1}$$

Sequence: A181246
Score: 4.78471
Type of gen. func.: ogf

$(31123 f(x) + 13645)$

$$(5 f(x) x^3 - 10 f(x) x^2 - 6 f(x) x + 5 x^2 + f(x) - 9 x - 8)$$

Sequence: A181246
Score: 4.94971
Type of gen. func.: ogf

$$\{a(n+3) - 6\,a(n+2) - 10\,a(n+1) + 5\,a(n),\ a(0) = 8,\ a(1) = 57,\ a(2) = 417\}$$

Sequence: A181246
Score: 9.26074
Type of gen. func.: ogf

$$-\frac{5x^2 - 9x - 8}{5x^3 - 10x^2 - 6x + 1}$$

Sequence: A181246
Score: 9.37313
Type of gen. func.: lgdogf

$$-\frac{25x^4 - 90x^3 + 150x + 57}{(5x^2 - 9x - 8)(5x^3 - 10x^2 - 6x + 1)}$$

Sequence: A181247
Score: 3.35629
Type of gen. func.: ogf

$$(27235 f(x) - 39964)(64 f(x) x^4 - 16 f(x) x^3 - 54 f(x) x^2 + 64 x^3 - 10 f(x) x - 8 x^2 + f(x) - 56 x - 16)$$

Sequence: A181247
Score: 6.07330
Type of gen. func.: ogf

$$-\frac{8(8x^3 - x^2 - 7x - 2)}{64x^4 - 16x^3 - 54x^2 - 10x + 1}$$

Sequence: A181255
Score: 4.97269
Type of gen. func.: ogf

$$-\frac{6\,(756\,x^6+99\,x^5+45\,x^4-291\,x^3-17\,x^2-7\,x+21)}{(3\,x-1)\,(3\,x^3-1)\,(9\,x^3-1)}$$

Sequence: A181270
Score: 4.77884
Type of gen. func.: ogf

$\{a(n+4)-4\,a(n+3)-4\,a(n+2)+16\,a(n+1),\ a(0)=1,\ a(1)=2,$

$a(2)=11,\ a(3)=44\}$

Sequence: A181270
Score: 5.1202
Type of gen. func.: ogf

$-(59+84\,f(x))$

$(16\,f(x)\,x^3-4\,f(x)\,x^2-8\,x^3-4\,f(x)\,x+x^2+f(x)+2\,x-1)$

Sequence: A181270
Score: 9.21634
Type of gen. func.: ogf

$$\frac{8\,x^3-x^2-2\,x+1}{(2\,x+1)\,(2\,x-1)\,(4\,x-1)}$$

Sequence: A181270
Score: 9.58230
Type of gen. func.: lgdogf

$$-\frac{2\,(8\,x^4+14\,x^2-3\,x-1)}{(2\,x+1)\,(2\,x-1)\,(4\,x-1)\,(8\,x^3-x^2-2\,x+1)}$$

Sequence: A181271
Score: 3.98871
Type of gen. func.: ogf

$$\frac{x^2 (512 x^6 + 960 x^5 - 832 x^4 - 444 x^3 + 272 x^2 - 3 x - 6)}{(2 x + 1) (8 x - 1) (4 x + 1) (4 x - 1)^2 (2 x - 1)^2}$$

Sequence: A181278
Score: 4.79079
Type of gen. func.: ogf

{-a(n + 4) + 4 a(n + 3) + 4 a(n + 2) - 16 a(n + 1), a(0) = 0, a(1) = 3,

a(2) = 11, a(3) = 48}

Sequence: A181278
Score: 5.09498
Type of gen. func.: ogf

-(5604 f(x) + 7199)

$$(16 f(x) x^3 - 4 f(x) x^2 + 8 x^3 - 4 f(x) x + x^2 + f(x) - 3 x)$$

Sequence: A181278
Score: 9.30047
Type of gen. func.: lgdogf

$$- \frac{128 x^4 + 32 x^3 - 116 x^2 + 8 x + 11}{(2 x + 1) (2 x - 1) (4 x - 1) (8 x^2 + x - 3)}$$

Sequence: A181278
Score: 9.72676
Type of gen. func.: ogf

$$- \frac{x (8 x^2 + x - 3)}{(2 x + 1) (2 x - 1) (4 x - 1)}$$

Sequence: A181279
Score: 3.98871
Type of gen. func.: ogf

$$-\frac{x^2 (512 x^6 - 320 x^5 + 224 x^4 + 124 x^3 - 16 x^2 - 47 x + 9)}{(2 x + 1) (8 x - 1) (4 x + 1) (4 x - 1)^2 (2 x - 1)^2}$$

Sequence: A181282
Score: 22.3655
Type of gen. func.: revogf

$$- 3/2 - 2 x + \frac{3 (4 x + 1)^{1/2}}{2}$$

Sequence: A181282
Score: 3.88027
Type of gen. func.: ogf

$$\{(16 n^2 + 8 n) a(n) + (6 n^2 + 24 n + 24) a(n + 1) + (-n^2 - 5 n - 6) a(n + 2),$$

$$a(0) = 1, a(1) = 3\}$$

Sequence: A181282
Score: 9.42352
Type of gen. func.: ogf

$$-4 f(x)^2 x - 4 f(x) x + 3 f(x) - x - 3$$

Sequence: A181286
Score: 18.9873
Type of gen. func.: lgdogf

$$-\frac{5 x^3 + 9 x^2 + 6 x + 4}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A181286
Score: 32.0332
Type of gen. func.: ogf_with_Euler_transform]

$$x^2 - x + 4$$

Sequence: A181286
Score: 9.47306
Type of gen. func.: ogf

$$\frac{x^2 (x + 1)}{(x^2 + x + 1) (x - 1)^4}$$

Sequence: A181287
Score: 14.3712
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^7 + 5 x^6 + 5 x^5 + 5 x^4 - 9 x^3 - x^2 - x - 1)}{(x - 1) (x + 1) (x^2 + 1) (5 x^4 - 1)}$$

Sequence: A181287
Score: 14.5303
Type of gen. func.: ogf

$$\frac{x (x^2 + 1) (x + 1)}{(x - 1) (5 x^4 - 1)}$$

Sequence: A181288
Score: 10.0970
Type of gen. func.: lgdogf

$$- \frac{12 x^9 + 12 x^8 + 12 x^7 + 12 x^6 + 12 x^5 - 27 x^4 - 2 x^3 - 2 x^2 - 2 x - 2}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (6 x^5 - 1)}$$

Sequence: A181288
Score: 12.2349
Type of gen. func.: ogf

$$\frac{x (x^4 + x^3 + x^2 + x + 1)}{(x - 1) (6 x^5 - 1)}$$

Sequence: A181290
Score: 12.2137
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 10 x^2 + 17 x - 11}{(x - 1) (x - 2) (2 x^2 - 4 x + 1)}$$

Sequence: A181290
Score: 22.2463
Type of gen. func.: revogf

$$1 - \cos(1/2 \arctan(2 x^{1/2}))$$

Sequence: A181290
Score: 4.30226
Type of gen. func.: ogf

$$(934 f(x) + 251) (4 f(x) x^4 - 16 f(x) x^3 + x^4 + 20 f(x) x^2 - 4 x^3 - 8 f(x) x + 5 x^2 + f(x) - 2 x)$$

Sequence: A181290
Score: 7.61966
Type of gen. func.: ogf

$$- \frac{x (x - 2) (x - 1)^2}{(2 x^2 - 4 x + 1)^2}$$

Sequence: A181292
Score: 17.6155
Type of gen. func.: lgdogf

$$-\frac{6 x^2 - 12 x + 7}{(x - 1) (2 x^2 - 4 x + 1)}$$

Sequence: A181292
Score: 4.70734
Type of gen. func.: ogf

$-(128 f(x) + 7)$

$$(4 f(x) x^4 - 16 f(x) x^3 + 20 f(x) x^2 - 8 f(x) x + x^2 + f(x) - x)$$

Sequence: A181292
Score: 9.34442
Type of gen. func.: ogf

$$-\frac{x (x - 1)}{(2 x^2 - 4 x + 1)^2}$$

Sequence: A181294
Score: 18.2271
Type of gen. func.: lgdogf

$$-\frac{2 x^2 - 4 x + 5}{(x - 1) (2 x^2 - 4 x + 1)}$$

Sequence: A181294
Score: 3.72340
Type of gen. func.: ogf

$\{(n + 2) a(n + 3) + (-5 n - 10) a(n + 2) + (4 + 6 n) a(n + 1) - 2 n a(n),$

$a(0) = 0, a(1) = 2, a(2) = 10\}$

Sequence: A181294
Score: 4.16725
Type of gen. func.: ogf

$$(85011 f(x) - 15794) (4 f(x) x^4 - 16 f(x) x^3 + 2 x^4 + 20 f(x) x^2 - 6 x^3 - 8 f(x) x + 6 x^2 + f(x) - 2 x)$$

Sequence: A181294
Score: 7.58137
Type of gen. func.: ogf

$$-\frac{2 x (x - 1)^3}{(2 x^2 - 4 x + 1)^2}$$

Sequence: A181296
Score: 13.2531
Type of gen. func.: lgdogf

$$-\frac{6 x^3 - 10 x^2 + 3 x + 5}{(x - 1) (x + 1) (2 x^2 - 4 x + 1)}$$

Sequence: A181296
Score: 7.61966
Type of gen. func.: ogf

$$\frac{2 x (x - 1)^2}{(x + 1) (2 x^2 - 4 x + 1)^2}$$

Sequence: A181298
Score: 6.45240
Type of gen. func.: ogf

$$-\frac{2 x (x^2 - x - 1) (x - 1)^2}{}$$

$$(x + 1) (2 x^2 - 4 x + 1)^2$$

Sequence: A181298
Score: 9.11962
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 6 x^4 + 5 x^3 + 3 x^2 - 2 x - 6}{(x - 1) (x + 1) (2 x^2 - 4 x + 1) (x^2 - x - 1)}$$

Sequence: A181300
Score: 12.3500
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^3 - 4 x^2 + 3 x + 2)}{(x - 1) (x + 1) (2 x^2 - 4 x + 1)}$$

Sequence: A181300
Score: 6.43776
Type of gen. func.: ogf

$$-\frac{x^2 (x - 1)^3}{(x + 1) (2 x^2 - 4 x + 1)^2}$$

Sequence: A181301
Score: 15.1269
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^2 + x + 1)}{(x - 1) (x + 1) (x^3 - x^2 - 3 x + 1)}$$

Sequence: A181301
Score: 4.87490
Type of gen. func.: ogf

{-a(n + 4) + 3 a(n + 3) + a(n + 2) - a(n + 1), a(0) = 1, a(1) = 2, a(2) = 6,

a(3) = 20}

Sequence: A181301
Score: 5.44841
Type of gen. func.: ogf

$$(-1 + 3 f(x)) (f(x) x^3 - f(x) x^2 - x^3 - 3 f(x) x + x^2 + f(x) + x - 1)$$

Sequence: A181301
Score: 9.39655
Type of gen. func.: ogf

$$\frac{(x - 1)^2 (x + 1)}{x^3 - x^2 - 3 x + 1}$$

Sequence: A181303
Score: 10.3957
Type of gen. func.: ogf

$$\frac{x (x^2 - x + 1) (x^2 + x + 1) (x + 1)}{(x - 1) (7 x^6 - 1)}$$

Sequence: A181303
Score: 8.45929
Type of gen. func.: lgdogf

$$- 2 (7 x^{11} + 7 x^{10} + 7 x^9 + 7 x^8 + 7 x^7 + 7 x^6 - 19 x^5 - x^4 - x^3 - x^2 - x - 1) / ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (7 x^6 - 1))$$

Sequence: A181305
Score: 12.5136
Type of gen. func.: lgdogf

$$-\frac{6x^3 - 10x^2 + 3x + 5}{(x-1)(x+1)(2x^2 - 4x + 1)}$$

Sequence: A181305
Score: 7.35164
Type of gen. func.: ogf

$$\frac{x(x-1)^2}{(x+1)(2x^2 - 4x + 1)^2}$$

Sequence: A181306
Score: 10.4008
Type of gen. func.: ogf

$$\frac{(x-1)^2(x+1)}{2x^3 - 2x^2 - 2x + 1}$$

Sequence: A181306
Score: 17.6012
Type of gen. func.: lgdogf

$$-\frac{1 + 3x}{(x-1)(x+1)(2x^3 - 2x^2 - 2x + 1)}$$

Sequence: A181306
Score: 5.43677
Type of gen. func.: ogf

{a(n + 4) - 2 a(n + 3) - 2 a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 3,

a(3) = 7}

Sequence: A181306
Score: 5.83457
Type of gen. func.: ogf

$$-(5 f(x) + 6) (2 f(x) x^{3} - 2 f(x) x^{2} - x^{3} - 2 f(x) x + x^{2} + f(x) + x - 1)$$

Sequence: A181315
Score: 6.04229
Type of gen. func.: revogf

$$\frac{x (x^{12} + 3 x^{11} + x^{10} - 2 x^{9} + x^{8} - 4 x^{7} - x^{5} + x^{4} + x^{3} - x^{2} + 2 x - 1)}{x^{13} - x^{12} + 3 x^{11} - 2 x^{10} - x^{9} - x^{7} + 2 x^{6} + 3 x^{4} + x - 1}$$

Sequence: A181318
Score: 5.95292
Type of gen. func.: ogf

$$- \frac{x (x^{10} + x^{9} + 9 x^{8} + x^{7} + 22 x^{6} + 6 x^{5} + 22 x^{4} + x^{3} + 9 x^{2} + x + 1)}{(x - 1)^{3} (x + 1)^{3} (x^{2} + 1)^{3}}$$

Sequence: A181319
Score: 8.01889
Type of gen. func.: ogf

$$- \frac{11009 x^{9} - x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 11011}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A181326
Score: 12.7784
Type of gen. func.: lgdogf

$$- \frac{4 (2 x^{3} - 4 x^{2} + 2 x + 1)}{(x - 1) (x + 1) (2 x^{2} - 4 x + 1)}$$

Sequence: A181326
Score: 6.92109

Type of gen. func.: ogf

$$\frac{2 x (x - 1)^2}{(x + 1)^2 (2 x^2 - 4 x + 1)^2}$$

Sequence: A181328
Score: 5.91104
Type of gen. func.: ogf

$$- \frac{x^2 (x^2 - 3) (x - 1)^2}{(x + 1)^2 (2 x^2 - 4 x + 1)^2}$$

Sequence: A181328
Score: 9.06727
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^5 - 4 x^4 - 7 x^3 + 22 x^2 - 11 x - 6)}{(x - 1) (x + 1) (x^2 - 3) (2 x^2 - 4 x + 1)}$$

Sequence: A181329
Score: 10.3554
Type of gen. func.: ogf

$$\frac{(x - 1)^2 (x + 1)^2}{x^4 - 2 x^2 - 2 x + 1}$$

Sequence: A181329
Score: 15.7089
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^2 + 1)}{(x - 1) (x + 1) (x^4 - 2 x^2 - 2 x + 1)}$$

Sequence: A181329
Score: 6.2907
Type of gen. func.: ogf

$$f(x)\,(f(x)\,x^4 - x^4 - 2\,f(x)\,x^2 - 2\,f(x)\,x + 2\,x^2 + f(x) - 1)$$

Sequence: A181331
Score: 19.1239
Type of gen. func.: lgdogf

$$-\frac{2\,x^2 - 4\,x + 5}{(x - 1)\,(2\,x^2 - 4\,x + 1)}$$

Sequence: A181331
Score: 3.92780
Type of gen. func.: ogf

$$\{(n + 2)\,a(n + 3) + (-5\,n - 10)\,a(n + 2) + (4 + 6\,n)\,a(n + 1) - 2\,n\,a(n),$$

$$a(0) = 0,\ a(1) = 1,\ a(2) = 5\}$$

Sequence: A181331
Score: 4.39913
Type of gen. func.: ogf

$$(85011\,f(x) - 7897)\,(4\,f(x)\,x^4 - 16\,f(x)\,x^3 + x^4 + 20\,f(x)\,x^2 - 3\,x^3 - 8\,f(x)\,x$$

$$+ 3\,x^2 + f(x) - x)$$

Sequence: A181331
Score: 7.95024
Type of gen. func.: ogf

$$-\frac{x\,(x - 1)^3}{(2\,x^2 - 4\,x + 1)^2}$$

Sequence: A181337
Score: 6.19560
Type of gen. func.: ogf

$$-\frac{x\,(x^2-x-1)\,(x-1)^2}{(x+1)\,(2x^2-4x+1)^2}$$

Sequence: A181337
Score: 8.75115
Type of gen. func.: lgdogf

$$-\frac{2x^5-6x^4+5x^3+3x^2-2x-6}{(x-1)\,(x+1)\,(2x^2-4x+1)\,(x^2-x-1)}$$

Sequence: A181342
Score: 6.80240
Type of gen. func.: ogf

$$-\frac{6x^4+46x^3+66x^2+21x+1}{(x-1)^5}$$

Sequence: A181342
Score: 9.46421
Type of gen. func.: lgdogf

$$-\frac{2\,(3x^4+58x^3+168x^2+108x+13)}{(x-1)\,(6x^4+46x^3+66x^2+21x+1)}$$

Sequence: A181343
Score: 10.5815
Type of gen. func.: lgdogf

$$-\frac{x^4+46x^3+261x^2+316x+76}{(x-1)\,(x^4+21x^3+66x^2+46x+6)}$$

Sequence: A181343
Score: 6.94122
Type of gen. func.: ogf

$$-\frac{x^4 + 21 x^3 + 66 x^2 + 46 x + 6}{(x - 1)^5}$$

Sequence: A181353
Score: 12.3642
Type of gen. func.: ogf

$$-3 f(x) x^2 - 9 f(x) x + f(x) - x$$

Sequence: A181353
Score: 17.6911
Type of gen. func.: ogf

$$-\frac{x}{3 x^2 + 9 x - 1}$$

Sequence: A181353
Score: 17.9288
Type of gen. func.: revogf

$$\frac{-1 - 9 x + (93 x^2 + 18 x + 1)^{1/2}}{6 x}$$

Sequence: A181353
Score: 26.8933
Type of gen. func.: lgdogf

$$-\frac{3 (3 + 2 x)}{3 x^2 + 9 x - 1}$$

Sequence: A181353
Score: 8.08114
Type of gen. func.: ogf

$$\{-a(n + 2) + 9 a(n + 1) + 3 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A181358
Score: 16.2434
Type of gen. func.: ogf

$$\frac{4 (x + 2)}{(4 x - 1) (x - 1)}$$

Sequence: A181358
Score: 7.57390
Type of gen. func.: revogf

$$-\frac{-8 - 5 x + (9 x^2 + 96 x + 64)^{1/2}}{8 (x - 1)}$$

Sequence: A181358
Score: 8.17184
Type of gen. func.: lgdogf

$$-\frac{4 x^2 + 16 x - 11}{(x - 1) (x + 2) (4 x - 1)}$$

Sequence: A181358
Score: 8.30628
Type of gen. func.: ogf

$$(39 f(x) + 172) (4 f(x) x^2 - 5 f(x) x + f(x) - 4 x - 8)$$

Sequence: A181358
Score: 8.80665
Type of gen. func.: ogf

$\{-a(n + 2) + 5 a(n + 1) - 4 a(n), a(0) = 8, a(1) = 44\}$

Sequence: A181367
Score: 14.3012
Type of gen. func.: lgdogf

$$\frac{2 x^2 - 8 x + 3}{(x - 1) (2 x - 1) (2 x^2 - 4 x + 1)}$$

Sequence: A181367
Score: 4.54344
Type of gen. func.: ogf

$\{-a(n + 4) + 6 a(n + 3) - 10 a(n + 2) + 4 a(n + 1), a(0) = 2, a(1) = 6,$

$a(2) = 22, a(3) = 78\}$

Sequence: A181367
Score: 4.86797
Type of gen. func.: ogf

$$-(-18 + 49 f(x))$$

$$(4 f(x) x^3 - 10 f(x) x^2 - 2 x^3 + 6 f(x) x + 6 x^2 - f(x) - 6 x + 2)$$

Sequence: A181367
Score: 8.76234
Type of gen. func.: ogf

$$\frac{2 (x - 1)^3}{(2 x - 1) (2 x^2 - 4 x + 1)}$$

Sequence: A181369
Score: 16.8613
Type of gen. func.: lgdogf

$$2 (2 x^2 - 4 x - 1)$$

$$\frac{\quad}{(x - 1) (2 x^2 - 4 x + 1)}$$

Sequence: A181369
Score: 5.84642
Type of gen. func.: ogf

$$\frac{(x - 1)^6}{(2 x^2 - 4 x + 1)^2}$$

Sequence: A181385
Score: 11.6807
Type of gen. func.: ogf

$$\frac{x^5 - 2 x^4 + x^2 - 1}{(x + 1) (x - 1)^3}$$

Sequence: A181385
Score: 13.2770
Type of gen. func.: lgdogf

$$\frac{x^6 - 2 x^5 - x^4 + 6 x^3 - 2 x^2 + 2 x + 2}{(x - 1) (x + 1) (x^5 - 2 x^4 + x^2 - 1)}$$

Sequence: A181389
Score: 11.7358
Type of gen. func.: ogf

$$- \frac{2 (2 x^4 - 7 x^3 + x^2 + x - 1)}{(x - 1)^2}$$

Sequence: A181389
Score: 14.7178
Type of gen. func.: lgdogf

$$\frac{4 x^4 - 15 x^3 + 21 x^2 - 3 x + 1}{(x - 1) (2 x^4 - 7 x^3 + x^2 + x - 1)}$$

Sequence: A181389
Score: 9.33526
Type of gen. func.: ogf

$$4 x^4 + f(x) x^2 - 14 x^3 - 2 f(x) x + 2 x^2 + f(x) + 2 x - 2$$

Sequence: A181390
Score: 11.5705
Type of gen. func.: ogf

$$f(x) x^2 - 2 f(x) x - 9 x^2 + f(x) + 2 x - 1$$

Sequence: A181390
Score: 15.5001
Type of gen. func.: ogf

$$\frac{9 x^2 - 2 x + 1}{(x - 1)^2}$$

Sequence: A181390
Score: 32.3792
Type of gen. func.: lgdogf

$$- \frac{16 x}{(x - 1) (9 x^2 - 2 x + 1)}$$

Sequence: A181390
Score: 8.13369
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 0, a(2) = 8\}$$

Sequence: A181394
Score: 4.98745
Type of gen. func.: ogf

$$-\frac{2\,(2 x^6 - 2 x^5 + 2 x^4 - 12 x^3 + 2 x^2 + x - 1)}{(x^2 - x + 1)^2 \, (x^2 + 3 x - 1)^2}$$

Sequence: A181402
Score: 4.76059
Type of gen. func.: ogf

{a(n + 4) - a(n + 3), a(0) = 1, a(1) = 10, a(2) = 73, a(3) = 121}

Sequence: A181402
Score: 4.85774
Type of gen. func.: ogf

$$(6680480 f(x) - 93370327)\,(48 x^3 + f(x) x + 63 x^2 - f(x) + 9 x + 1)$$

Sequence: A181402
Score: 8.65562
Type of gen. func.: ogf

$$-\frac{48 x^3 + 63 x^2 + 9 x + 1}{x - 1}$$

Sequence: A181404
Score: 11.0631
Type of gen. func.: ogf

$$-f(x)\,(f(x) x + 12 x^2 - f(x) + 3 x)$$

Sequence: A181404
Score: 17.9116

Type of gen. func.: ogf

$$-\frac{3x(4x+1)}{x-1}$$

Sequence: A181404
Score: 8.95582
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2), a(0) = 0, a(1) = 3, a(2) = 15\}$$

Sequence: A181405
Score: 33.3422
Type of gen. func.: revegf]

$$\frac{2x}{3 + (9 + 24x)^{1/2}}$$

Sequence: A181405
Score: 5.95874
Type of gen. func.: ogf

$$\{-a(n + 3), a(0) = 0, a(1) = 3, a(2) = 12\}$$

Sequence: A181405
Score: 8.5495
Type of gen. func.: ogf

$$f(x) (-12 x^2 + f(x) - 3 x)$$

Sequence: A181405
Score: 81.5030
Type of gen. func.: lgdogf

$$\frac{4}{4x + 1}$$

Sequence: A181407
Score: 12.1263
Type of gen. func.: ogf

$$-\frac{20 x^2 - 15 x + 3}{(2 x - 1)^3}$$

Sequence: A181407
Score: 19.2303
Type of gen. func.: lgdogf

$$-\frac{40 x^2 - 20 x + 3}{(2 x - 1) (20 x^2 - 15 x + 3)}$$

Sequence: A181407
Score: 6.74853
Type of gen. func.: ogf

$$(6 f(x) - 23) (8 f(x) x^3 - 12 f(x) x^2 + 6 f(x) x + 20 x^2 - f(x) - 15 x + 3)$$

Sequence: A181407
Score: 6.86798
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 12 a(n + 1) - 8 a(n), a(0) = 3, a(1) = 3, a(2) = 2\}$$

Sequence: A181427
Score: 8.07012
Type of gen. func.: ogf

$$\frac{2 (5 x^5 - 3 x^4 + 14 x^3 + 2 x^2 + 5 x + 1)}{(x - 1)^4 (x + 1)^4}$$

Sequence: A181427
Score: 9.65592

Type of gen. func.: lgdogf

$$-\frac{15 x^6 - 12 x^5 + 95 x^4 + 77 x^2 + 12 x + 5}{(x - 1) (x + 1) (5 x^5 - 3 x^4 + 14 x^3 + 2 x^2 + 5 x + 1)}$$

Sequence: A181430
Score: 13.2090
Type of gen. func.: lgdogf

$$-\frac{12 x^3 + 92 x^2 + 145 x + 57}{(x - 1) (2 x + 1) (2 x^2 + 9 x + 6)}$$

Sequence: A181430
Score: 3.51747
Type of gen. func.: ogf

$$\{(8638 n^2 + 27438 n + 20324) a(n + 1) + (-3761 n^2 + 44340 n - 6403) a(n + 2)$$
$$+ (-4877 n^2 - 4203 n + 674) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 6\}$$

Sequence: A181430
Score: 6.66992
Type of gen. func.: ogf

$$\frac{x^2 (2 x + 1) (2 x^2 + 9 x + 6)}{(x - 1)^6}$$

Sequence: A181433
Score: 11.3854
Type of gen. func.: lgdogf

$$-\frac{x^5 + 7 x^4 + 49 x^3 + 35 x^2 + 36 x + 4}{(x - 1) (x + 1) (x^4 + 3 x^3 + 14 x^2 + 3 x + 1)}$$

Sequence: A181433
Score: 8.64236
Type of gen. func.: ogf

$$-\frac{x^4 + 3 x^3 + 14 x^2 + 3 x + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A181440
Score: 14.7230
Type of gen. func.: ogf

$$-\frac{(x - 2) (x^2 - x + 1)}{(x - 1)^2}$$

Sequence: A181440
Score: 22.5896
Type of gen. func.: lgdogf

$$\frac{x^3 - 3 x^2 + 3 x + 1}{(x - 2) (x - 1) (x^2 - x + 1)}$$

Sequence: A181440
Score: 7.87808
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) + a(n + 2), a(0) = 2, a(1) = 1, a(2) = 3, a(3) = 4\}$$

Sequence: A181440
Score: 8.47264
Type of gen. func.: ogf

$$-(6 f(x) + 43) (f(x) x^2 + x^3 - 2 f(x) x - 3 x^2 + f(x) + 3 x - 2)$$

Sequence: A181442

Score: 7.99728
Type of gen. func.: ogf

$$-\frac{x^4+x^3-8x^2+x+1}{(x-1)(x^4-10x^2+1)}$$

Sequence: A181442
Score: 8.67922
Type of gen. func.: lgdogf

$$-\frac{x^8+2x^7-15x^6+69x^4-22x^3-9x^2+4x+2}{(x-1)(x^4+x^3-8x^2+x+1)(x^4-10x^2+1)}$$

Sequence: A181443
Score: 10.4771
Type of gen. func.: ogf

$$-\frac{x^8+x^7+3x^6+17x^5-98x^4+17x^3+3x^2+x+1}{(x-1)(x^8-110x^4+1)}$$

Sequence: A181474
Score: 5.19973
Type of gen. func.: ogf

$$-\frac{x^4+x^3+4x^2+x+1}{(x+1)^4(x-1)^5}$$

Sequence: A181475
Score: 13.4983
Type of gen. func.: lgdogf

$$-\frac{x^4+8x^3+204x^2+140x+7}{(x-1)(x^4+2x^3+66x^2+2x+1)}$$

Sequence: A181475
Score: 8.44396
Type of gen. func.: ogf

$$-\frac{x^4 + 2x^3 + 66x^2 + 2x + 1}{(x-1)^5}$$

Sequence: A181477
Score: 29.8465
Type of gen. func.: lgdogf

$$-\frac{5(1+5x)}{(x-1)(x+1)}$$

Sequence: A181477
Score: 30.1413
Type of gen. func.: ogf_with_Euler_transform]

[5 + 10 x]

Sequence: A181477
Score: 4.92715
Type of gen. func.: ogf

{(n + 3) a(n + 3) - 5 a(n + 2) + (-26 - n) a(n + 1), a(0) = 1, a(1) = 5,

a(2) = 25}

Sequence: A181478
Score: 28.1381
Type of gen. func.: lgdogf

$$-\frac{6(6x+1)}{(x-1)(x+1)}$$

Sequence: A181478
Score: 28.3847
Type of gen. func.: ogf_with_Euler_transform]

[6 + 15 x]

Sequence: A181478
Score: 4.64758
Type of gen. func.: ogf

{(n + 3) a(n + 3) - 6 a(n + 2) + (-37 - n) a(n + 1), a(0) = 1, a(1) = 6,

a(2) = 36}

Sequence: A181479
Score: 30.8039
Type of gen. func.: lgdogf

$$-\frac{7 (1 + 7 x)}{(x - 1) (x + 1)}$$

Sequence: A181479
Score: 31.0183
Type of gen. func.: ogf_with_Euler_transform]

[7 + 21 x]

Sequence: A181479
Score: 5.07880
Type of gen. func.: ogf

{(n + 3) a(n + 3) - 7 a(n + 2) + (-50 - n) a(n + 1), a(0) = 1, a(1) = 7,

a(2) = 49}

Sequence: A181480
Score: 28.6024
Type of gen. func.: lgdogf

$$-\frac{8 (1 + 8 x)}{(x - 1) (x + 1)}$$

Sequence: A181480
Score: 28.7895
Type of gen. func.: ogf_with_Euler_transform]

$$[8 + 28 x]$$

Sequence: A181480
Score: 4.72034
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) - 8 a(n + 2) + (-65 - n) a(n + 1), a(0) = 1, a(1) = 8, a(2) = 64\}$$

Sequence: A181482
Score: 10.9986
Type of gen. func.: lgdogf

$$- \frac{3 (x^6 + 3 x^5 - 4 x^4 + 5 x^3 + 4 x^2 - x + 1)}{(x - 1) (x^2 + x + 1) (x^4 + 2 x^3 - 3 x^2 + 2 x + 1)}$$

Sequence: A181482
Score: 9.11966
Type of gen. func.: ogf

$$- \frac{x^4 + 2 x^3 - 3 x^2 + 2 x + 1}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A181509
Score: 11.3237
Type of gen. func.: ogf

$$- \frac{2 (x^4 + 22 x^2 + 1)}{(x - 1)^3}$$

Sequence: A181509
Score: 15.5896

Type of gen. func.: lgdogf

$$\frac{x^4 - 4 x^3 - 22 x^2 - 44 x - 3}{(x - 1) (x^4 + 22 x^2 + 1)}$$

Sequence: A181509
Score: 5.01588
Type of gen. func.: ogf

$\{-a(n + 5) + 3 a(n + 4) - 3 a(n + 3) + a(n + 2), a(0) = 2, a(1) = 6, a(2) = 56, a(3) = 152, a(4) = 296\}$

Sequence: A181509
Score: 5.97893
Type of gen. func.: ogf

$$-(421 f(x) - 3381) (f(x) x^3 + 2 x^4 - 3 f(x) x^2 + 3 f(x) x + 44 x^2 - f(x) + 2)$$

Sequence: A181510
Score: 14.9410
Type of gen. func.: lgdogf

$$-\frac{x^2 + 2 x - 9}{(x - 1) (x^2 - 3)}$$

Sequence: A181510
Score: 3.78905
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 6, a(1) = 18, a(2) = 34\}$

Sequence: A181510
Score: 7.57811
Type of gen. func.: ogf

$$2 (x^2 - 3)$$

$$\frac{}{(x - 1)^3}$$

Sequence: A181510
Score: 7.63682
Type of gen. func.: ogf

$$(39 f(x) - 694) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 2 x^2 - f(x) + 6)$$

Sequence: A181517
Score: 14.0048
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (8 x^2 + 8 x + 1)^{1/2}}{2 (x + 1)^2}$$

Sequence: A181517
Score: 6.57341
Type of gen. func.: ogf

$$x^4 f(x)^3 + 3 f(x)^2 x^3 + 2 f(x)^2 x^2 + 3 f(x) x^2 + 3 f(x) x - f(x) + x + 1$$

Sequence: A181527
Score: 11.0758
Type of gen. func.: ogf

$$\frac{2 x^2 - 2 x + 1}{(2 x - 1)^2 (x - 1)^2}$$

Sequence: A181527
Score: 15.1500
Type of gen. func.: lgdogf

$$- \frac{2 (4 x^3 - 6 x^2 + 5 x - 2)}{{}^{2}}$$

$$(x - 1) (2 x - 1) (2 x - 2 x + 1)$$

Sequence: A181527
Score: 5.74002
Type of gen. func.: ogf

$$-(67 f(x) + 11)$$

$$(4 f(x) x^4 - 12 f(x) x^3 + 13 f(x) x^2 - 6 f(x) x - 2 x^2 + f(x) + 2 x - 1)$$

Sequence: A181531
Score: 17.8285
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^3 - x^2 + x}{x - 1}$$

Sequence: A181532
Score: 16.4498
Type of gen. func.: ogf

$$- \frac{x}{(x + 1) (x^3 - x^2 + 2 x - 1)}$$

Sequence: A181532
Score: 20.2613
Type of gen. func.: lgdogf

$$- \frac{4 x^3 + 2 x + 1}{(x + 1) (x^3 - x^2 + 2 x - 1)}$$

Sequence: A181532
Score: 9.61348
Type of gen. func.: ogf

$$-f(x) x^4 - f(x) x^2 - f(x) x + f(x) - x$$

Sequence: A181533
Score: 5.59009
Type of gen. func.: ogf

$$-\frac{2 (5 x^9 - 8 x^7 + 9 x^5 - 4 x^3 + 1)}{(x^5 - x^3 + 1) (x^5 - x^3 + 2 x - 1)}$$

Sequence: A181534
Score: 5.87717
Type of gen. func.: ogf

$$(x^{15} + x^{14} + x^{12} + x^{11} + x^{10} + x^8 + x^7 + x^5 + x^4 + x^2 + x + 1) / ((x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A181553
Score: 12.2078
Type of gen. func.: ogf

$$9600 f(x)^2 x^2 - 196 f(x)^2 x + f(x)^2 - 1$$

Sequence: A181553
Score: 20.4699
Type of gen. func.: revogf

$$-\frac{(-98 x + (4 x^2 + 1)^{1/2}) x}{9600 x^2 - 1}$$

Sequence: A181553
Score: 24.0823
Type of gen. func.: lgdogf

$$2 (-49 + 4800 x)$$

$$-\frac{}{(100 x - 1) (96 x - 1)}$$

Sequence: A181553
Score: 5.03110
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 3) + (490 + 196 n) a(n + 2) + (-19200 - 9600 n) a(n + 1),$$

$$a(0) = 1, a(1) = 98, a(2) = 9606\}$$

Sequence: A181560
Score: 14.4061
Type of gen. func.: lgdogf

$$-\frac{x^4 (4 x^3 + 3 x^2 - 5)}{(2 x^3 + x^2 - 1) (x^5 - 2 x^3 - x^2 + 1)}$$

Sequence: A181560
Score: 5.21511
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^5 - 2 f(x) x^3 - f(x) x^2 + 2 x^3 + x^2 + f(x) - 1)$$

Sequence: A181560
Score: 8.99417
Type of gen. func.: ogf

$$-\frac{2 x^3 + x^2 - 1}{x^5 - 2 x^3 - x^2 + 1}$$

Sequence: A181565
Score: 11.8413
Type of gen. func.: revegf]

$$1/2 \ln(2 x + 5) - \operatorname{arctanh}((6 x + 16)^{1/2}) - 1/2 \ln(5) + \operatorname{arctanh}(4)$$

```
------------------------------------------------------------------------------

Sequence:  A181565
Score: 15.5674
Type of gen. func.: ogf


                                     5 x - 4
                              - -----------------
                                (2 x - 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A181565
Score: 18.0736
Type of gen. func.: lgdogf


                                    2
                                10 x  - 16 x + 7
                         - ---------------------------
                           (x - 1) (5 x - 4) (2 x - 1)



------------------------------------------------------------------------------

Sequence:  A181565
Score: 7.7837
Type of gen. func.: ogf


                                     2
             -(5 f(x) + 29) (2 f(x) x  - 3 f(x) x + f(x) + 5 x - 4)



------------------------------------------------------------------------------

Sequence:  A181565
Score: 8.54310
Type of gen. func.: ogf


              {a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 4, a(1) = 7}



------------------------------------------------------------------------------

Sequence:  A181571
Score: 5.52576
Type of gen. func.: ogf


      3        2                                  3       2
{(16 n  + 160 n  + 524 n + 560) a(n + 1) + (-n  - 15 n  - 68 n - 84) a(n + 2),

    a(0) = 1, a(1) = 6}



------------------------------------------------------------------------------

Sequence:  A181586
Score: 10.7506
Type of gen. func.: ogf
```

$$\frac{x^2 (x - 1)}{(x + 1) (2 x - 1) (x^2 + 1)}$$

Sequence: A181586
Score: 14.4746
Type of gen. func.: lgdogf

$$- \frac{2 x (3 x^3 - 3 x^2 - x - 1)}{(x - 1) (2 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A181586
Score: 6.9326
Type of gen. func.: ogf

$$2 f(x) x^4 + f(x) x^3 + f(x) x^2 - x^3 + f(x) x + x^2 - f(x)$$

Sequence: A181593
Score: 2.04192
Type of gen. func.: ogf

$$(f(x) - 1)^2 (-6 x^3 + f(x) - 1)$$

Sequence: A181600
Score: 17.4821
Type of gen. func.: ogf

$$- \frac{1}{x^{10} - x^8 + x^2 + x - 1}$$

Sequence: A181617
Score: 12.6261
Type of gen. func.: ogf

$$\frac{4 x (2 x + 1)}{}$$

$$(x - 1)^4$$

Sequence: A181617
Score: 5.47133
Type of gen. func.: ogf

$$\{(n + 2) a(n + 3) + (-5 + n) a(n + 2) + (-6 - 2 n) a(n + 1), a(0) = 0, a(1) = 4, a(2) = 24\}$$

Sequence: A181617
Score: 6.03455
Type of gen. func.: ogf

$$-(2565 f(x) + 12302) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 8 x^2 + f(x) - 4 x)$$

Sequence: A181618
Score: 4.89151
Type of gen. func.: ogf

$$9 f(x)^2 x^4 + 3 f(x)^2 x^3 - 5 f(x)^2 x^2 - 36 f(x) x^3 + f(x)^2 x - 6 f(x) x^2 + 24 f(x) x + 36 x^2 - 6 f(x)$$

Sequence: A181626
Score: 13.2929
Type of gen. func.: ogf

$$\frac{2 (2 x^3 + 5 x^2 - 2)}{(x + 1) (4 x^2 + x - 1)}$$

Sequence: A181626
Score: 6.10451
Type of gen. func.: lgdogf

$$2 x (5 x^3 - 9 x - 5)$$

$$- \frac{}{(x + 1) (4 x^2 + x - 1) (2 x^3 + 5 x^2 - 2)}$$

Sequence: A181626
Score: 7.16659
Type of gen. func.: ogf

$$\{a(n + 4) - 5 a(n + 2) - 4 a(n + 1), a(0) = 4, a(1) = 0, a(2) = 10, a(3) = 12\}$$

Sequence: A181626
Score: 7.56107
Type of gen. func.: ogf

$$-(5763 f(x) + 39448) (4 f(x) x^3 + 5 f(x) x^2 - 4 x^3 - 10 x^2 - f(x) + 4)$$

Sequence: A181635
Score: 12.8332
Type of gen. func.: ogf

$$\frac{36 x (36 x^2 - 6 x + 1)}{(36 x^2 + 6 x + 1) (6 x - 1)^2}$$

Sequence: A181635
Score: 7.44520
Type of gen. func.: ogf

$$\{a(n + 4) - 6 a(n + 3) - 216 a(n + 1) + 1296 a(n), a(0) = 0, a(1) = 36, a(2) = 0, a(3) = 1296\}$$

Sequence: A181635
Score: 7.56062
Type of gen. func.: ogf

$$(29 f(x) + 216) (1296 f(x) x^4 - 216 f(x) x^3 - 1296 x^3 - 6 f(x) x + 216 x^2 + f(x) - 36 x)$$

Sequence: A181639
Score: 3.10268
Type of gen. func.: ogf

$$(98 f(x) - 1879) (10 f(x) x^2 - f(x) + 30 x + 20)$$

Sequence: A181639
Score: 3.42684
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n), a(0) = 20, a(1) = 30\}$$

Sequence: A181639
Score: 5.21814
Type of gen. func.: ogf

$$-\frac{10 (3 x + 2)}{10 x^2 - 1}$$

Sequence: A181639
Score: 5.47605
Type of gen. func.: revogf

$$\frac{-10 + (10 x^2 + 30 x + 100)^{1/2}}{10 (x + 3)}$$

Sequence: A181639
Score: 6.25834
Type of gen. func.: lgdogf

$$-\frac{30 x^2 + 40 x + 3}{(3 x + 2) (10 x^2 - 1)}$$

Sequence: A181640
Score: 13.1685
Type of gen. func.: lgdogf

$$-\frac{7 x^5 + 11 x^4 + 6 x^3 + 6 x^2 + 6 x + 4}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A181640
Score: 28.5982
Type of gen. func.: ogf_with_Euler_transform]

$$[x^4 - x + 4]$$

Sequence: A181640
Score: 8.96288
Type of gen. func.: ogf

$$\frac{x^3 (x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^4}$$

Sequence: A181641
Score: 25.4828
Type of gen. func.: lgdogf

$$-\frac{-3 + 2 x}{(x + 1) (4 x - 1)}$$

Sequence: A181641
Score: 3.66952
Type of gen. func.: ogf

$\{(-n - 3) a(n + 3) + (3 + 3 n) a(n + 2) + (6 + 4 n) a(n + 1), a(0) = 1,$

$a(1) = -3, a(2) = 1\}$

Sequence: A181641
Score: 8.21534
Type of gen. func.: ogf

2 2 2 2

$$f(x) x + 2 f(x) x + f(x) + 4 x - 1$$

Sequence: A181648
Score: 8.48049
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3 x^4 + 2 x^3 + 2 x^2 + x + 1}{-x^5 - x^4 - x^3 - x^2 - x - 1}$$

Sequence: A181655
Score: 11.2130
Type of gen. func.: ogf

$$\frac{x^4 - x^3 + 2 x + 1}{(x - 1) (x + 1) (3 x^2 - 1)}$$

Sequence: A181655
Score: 6.81165
Type of gen. func.: ogf

$$-(32 f(x) - 15) (3 f(x) x^4 - x^4 - 4 f(x) x^2 + x^3 + f(x) - 2 x - 1)$$

Sequence: A181655
Score: 9.40297
Type of gen. func.: lgdogf

$$\frac{3 x^6 - 8 x^5 - 14 x^4 - 8 x^3 + 5 x^2 + 8 x + 2}{(x - 1) (x + 1) (3 x^2 - 1) (x^4 - x^3 + 2 x + 1)}$$

Sequence: A181658
Score: 12.0052
Type of gen. func.: ogf

$$\frac{x^3 + 2 x + 1}{}$$

$$(x - 1) (x + 1) (x^4 + 2 x^2 - 1)$$

Sequence: A181658
Score: 9.11529
Type of gen. func.: lgdogf

$$- \frac{3 x^8 + 11 x^6 + 6 x^5 + 9 x^4 + 4 x^3 - 9 x^2 - 6 x - 2}{(x - 1) (x + 1) (x^3 + 2 x + 1) (x^4 + 2 x^2 - 1)}$$

Sequence: A181662
Score: 11.4005
Type of gen. func.: ogf

$$- \frac{4096 x^8 + 768 x^6 + 16 x^3 + 40 x^2 + 8 x + 3}{2 x - 1}$$

Sequence: A181662
Score: 7.75065
Type of gen. func.: lgdogf

$$\frac{2 (28672 x^8 - 16384 x^7 + 3840 x^6 - 2304 x^5 + 32 x^3 + 16 x^2 - 40 x - 7)}{(2 x - 1) (4096 x^8 + 768 x^6 + 16 x^3 + 40 x^2 + 8 x + 3)}$$

Sequence: A181665
Score: 6.72351
Type of gen. func.: revogf

$$x (x + 1) (x^2 - x + 1) (x^9 + 9 x^6 + 6 x^3 + 1) / ($$

$$(x^{11} + x^{10} + 8 x^9 + 8 x^8 + x^7 + 14 x^6 + 6 x^5 + 7 x^3 + x^2 + 1) (x^3 + x + 1))$$

Sequence: A181668
Score: 9.67349
Type of gen. func.: ogf

$$-\frac{2x^9+8x^6+2x^3+5}{(x-1)(x+1)(x^2+1)(x^2-x+1)(x^4-x^2+1)}$$

Sequence: A181679
Score: 15.7910
Type of gen. func.: ogf

$$-\frac{119x+123}{(x-1)^3}$$

Sequence: A181679
Score: 27.6666
Type of gen. func.: lgdogf

$$-\frac{2(244+119x)}{(119x+123)(x-1)}$$

Sequence: A181679
Score: 7.03193
Type of gen. func.: ogf

$$(7271599060 f(x) - 1201830404613)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 119 x + 123)$$

Sequence: A181679
Score: 7.56376
Type of gen. func.: ogf

$$\{a(n+3) - 3 a(n+2) + 3 a(n+1) - a(n), a(0) = 123, a(1) = 488, a(2) = 1095\}$$

Sequence: A181685
Score: 4.32746
Type of gen. func.: ogf

$$\{(-216 n - 1080) a(n+1) - 36 a(n+2) - 6 a(n+3) + (n+4) a(n+4),$$

a(0) = 0, a(1) = 36, a(2) = 432, a(3) = 1296}

Sequence: A181685
Score: 5.96303
Type of gen. func.: ogf

(f(x) + 15)

$$(1296 f(x) x^4 - 216 f(x) x^3 + 1296 x^3 - 6 f(x) x - 216 x^2 + f(x) - 36 x)$$

Sequence: A181685
Score: 9.96454
Type of gen. func.: ogf

$$-\frac{36 x (36 x^2 - 6 x - 1)}{(36 x^2 + 6 x + 1) (6 x - 1)^2}$$

Sequence: A181688
Score: 12.0993
Type of gen. func.: ogf

$$\frac{x - 1}{x^4 - 2 x^3 + 2 x^2 + 2 x - 1}$$

Sequence: A181688
Score: 12.7097
Type of gen. func.: lgdogf

$$-\frac{3 x^4 - 8 x^3 + 8 x^2 - 4 x - 1}{(x - 1) (x^4 - 2 x^3 + 2 x^2 + 2 x - 1)}$$

Sequence: A181688
Score: 5.9521
Type of gen. func.: ogf

4 3 2

$$(112 f(x) - 51) (f(x) x - 2 f(x) x + 2 f(x) x + 2 f(x) x - f(x) - x + 1)$$

Sequence: A181689
Score: 23.4765
Type of gen. func.: ogf

$$\frac{2 x^{4} + 3 x^{2} - 1}{2 x^{6} + 11 x^{2} - 1}$$

Sequence: A181689
Score: 24.7319
Type of gen. func.: lgdogf

$$- \frac{8 x (x^{8} + 3 x^{6} - 7 x^{4} + x^{2} - 2)}{(2 x^{4} + 3 x^{2} - 1) (2 x^{6} + 11 x^{2} - 1)}$$

Sequence: A181716
Score: 10.8585
Type of gen. func.: ogf

$$-f(x) x^{3} - 2 f(x) x^{2} - 2 x^{2} + f(x) - x$$

Sequence: A181716
Score: 13.7268
Type of gen. func.: ogf

$$- \frac{x (2 x + 1)}{(x^{2} + x - 1) (x + 1)}$$

Sequence: A181716
Score: 16.2865
Type of gen. func.: lgdogf

$$- \frac{4 x^{3} + 7 x^{2} + 4 x + 2}{{}^{2}}$$

```
                         (2 x + 1) (x + 1) (x  + x - 1)
```

Sequence: A181716
Score: 7.82277
Type of gen. func.: ogf

```
         {-a(n + 3) + 2 a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 2}
```

Sequence: A181718
Score: 4.60773
Type of gen. func.: ogf

```
-(8678637 f(x) + 1510127)

                3              2                      2
    (1000 f(x) x  - 1110 f(x) x  + 111 f(x) x - 210 x  - f(x) + 12 x)
```

Sequence: A181718
Score: 5.01980
Type of gen. func.: ogf

```
{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 0, a(1) = 12,

    a(2) = 1122}
```

Sequence: A181718
Score: 9.07993
Type of gen. func.: ogf

```
                                  6 x (35 x - 2)
                          ------------------------------
                          (x - 1) (100 x - 1) (10 x - 1)
```

Sequence: A181719
Score: 4.92026
Type of gen. func.: ogf

```
(586178637 f(x) - 224319800)

                3              2                       2
    (1000 f(x) x  - 1110 f(x) x  + 111 f(x) x + 4000 x  - f(x) - 1550 x + 25)
```

Sequence: A181719
Score: 5.41610
Type of gen. func.: ogf

$$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 25, a(1) = 1225, a(2) = 112225\}$$

Sequence: A181719
Score: 9.19312
Type of gen. func.: ogf

$$-\frac{25 (160 x^{2} - 62 x + 1)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A181762
Score: 16.7746
Type of gen. func.: ogf

$$-\frac{x (2 x^{2} - x - 8)}{(x - 1)^{2} (x + 1)^{2}}$$

Sequence: A181762
Score: 9.56303
Type of gen. func.: ogf

$$-(749 f(x) - 17972) (f(x) x^{4} - 2 f(x) x^{2} + 2 x^{3} - x^{2} + f(x) - 8 x)$$

Sequence: A181768
Score: 10.5213
Type of gen. func.: ogf

$$\{-5 n a(n) + (4 + 6 n) a(n + 1) + (-n - 2) a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A181768
Score: 16.6701
Type of gen. func.: ogf

2   2

$$f(x)\ x - f(x) - 3 f(x) x + 3 f(x) + x - 2$$

Sequence: A181768
Score: 22.2717
Type of gen. func.: lgdogf

$$-\frac{-5 x + 1 + 3 ((5 x - 1) (x - 1))^{1/2}}{2 (5 x - 1) (x - 2) (x - 1)}$$

Sequence: A181773
Score: 28.5419
Type of gen. func.: ogf_with_Euler_transform]

[5 - x]

Sequence: A181773
Score: 4.45157
Type of gen. func.: ogf

$\{(n + 2) a(n + 3) - 5 a(n + 2) + (-n - 3) a(n + 1), a(0) = 0, a(1) = 48,$

$a(2) = 240\}$

Sequence: A181773
Score: 4.58646
Type of gen. func.: ogf

$(134 f(x) + 5379)$

$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 48 x^2 + f(x) - 48 x)$

Sequence: A181773
Score: 9.03603
Type of gen. func.: ogf

$$\frac{48 x (x + 1)}{(x - 1)^4}$$

Sequence: A181829
Score: 4.69464
Type of gen. func.: ogf

$$-\frac{4 x (5 x^{10} + 3 x^{9} + 21 x^{8} + 2 x^{7} + 30 x^{6} + 6 x^{5} + 14 x^{4} - 3 x^{2} - x - 3)}{(x - 1)^{3} (x + 1)^{3} (x^{2} + 1)^{3}}$$

Sequence: A181879
Score: 12.6452
Type of gen. func.: ogf

$$f(x) x^{3} + 4 f(x) x^{2} + 3 f(x) x + x^{2} - f(x) + x$$

Sequence: A181879
Score: 18.8568
Type of gen. func.: ogf

$$-\frac{x (x + 1)}{x^{3} + 4 x^{2} + 3 x - 1}$$

Sequence: A181879
Score: 24.1940
Type of gen. func.: lgdogf

$$-\frac{(x + 2) (2 x^{2} + 3 x + 2)}{(x + 1) (x^{3} + 4 x^{2} + 3 x - 1)}$$

Sequence: A181879
Score: 9.68324
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 4 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 4\}$$

Sequence: A181880
Score: 10.1735
Type of gen. func.: ogf

$$\{-a(n+3) + 4\,a(n+2) + 3\,a(n+1) + a(n),\ a(0) = 1,\ a(1) = 4,\ a(2) = 19\}$$

Sequence: A181880
Score: 11.3822
Type of gen. func.: ogf

$$(64\,f(x) - 19)\,(f(x)\,x^3 + 3\,f(x)\,x^2 + 4\,f(x)\,x - f(x) + 1)$$

Sequence: A181880
Score: 28.0393
Type of gen. func.: ogf

$$-\frac{1}{x^3 + 3\,x^2 + 4\,x - 1}$$

Sequence: A181880
Score: 35.5000
Type of gen. func.: lgdogf

$$-\frac{3\,x^2 + 6\,x + 4}{x^3 + 3\,x^2 + 4\,x - 1}$$

Sequence: A181888
Score: 10.5342
Type of gen. func.: ogf

$$-\frac{x^2\,(x + 9)}{(x - 1)^7}$$

Sequence: A181888
Score: 44.1062
Type of gen. func.: lgdogf

$$-\frac{2\,(32 + 3\,x)}{}$$

$$(x + 9) (x - 1)$$

Sequence: A181888
Score: 6.85785
Type of gen. func.: ogf

$\{(9 + 9 n) a(n + 3) + (-64 - 8 n) a(n + 2) + (-5 - n) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 9\}$

Sequence: A181889
Score: 11.1950
Type of gen. func.: ogf

$$- \frac{16 x (x^3 + 14 x^2 + 21 x + 4)}{(x - 1)^7}$$

Sequence: A181889
Score: 25.5270
Type of gen. func.: lgdogf

$$- \frac{4 x^3 + 73 x^2 + 154 x + 49}{(x - 1) (x^3 + 14 x^2 + 21 x + 4)}$$

Sequence: A181889
Score: 6.81175
Type of gen. func.: ogf

$\{(2 n^2 + 15 n + 28) a(n + 1) + (-74 n^2 - 759 n - 2008) a(n + 2) + (72 n^2 + 324 n + 360) a(n + 3), a(0) = 0, a(1) = 64, a(2) = 784\}$

Sequence: A181890
Score: 10.1921
Type of gen. func.: ogf

$$x^2 - 12 x - 5$$

$$\frac{}{(x - 1)^{3}}$$

Sequence: A181890
Score: 18.1608
Type of gen. func.: lgdogf

$$-\frac{x^{2} - 22 x - 27}{(x - 1) (x^{2} - 12 x - 5)}$$

Sequence: A181890
Score: 5.2224
Type of gen. func.: ogf

$$(27744 f(x) - 316579) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x - x^{2} - f(x) + 12 x + 5)$$

Sequence: A181890
Score: 5.54308
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 5, a(1) = 27, a(2) = 65\}$$

Sequence: A181900
Score: 6.30104
Type of gen. func.: ogf

$$\{(-n^{2} - 6 n - 9) a(n + 1) + (n^{2} + 2 n + 1) a(n + 3), a(0) = 0, a(1) = 1,$$
$$a(2) = 8\}$$

Sequence: A181900
Score: 9.71101
Type of gen. func.: ogf

$$-\frac{x (x^{4} + 8 x^{3} + 6 x^{2} + 8 x + 1)}{(x + 1)^{3} (x - 1)^{3}}$$

Sequence: A181933
Score: 4.87861
Type of gen. func.: ogf

$$-4 f(x)^2 x^3 - 9 f(x)^2 x^2 - 10 f(x)^2 x + 4 f(x) x^2 - 2 f(x)^2 + 5 f(x) x + f(x) - x$$

Sequence: A181961
Score: 8.13612
Type of gen. func.: ogf

$$- \frac{x^4 - 14 x^2 + 6 x + 1}{x^5 - 2 x^4 - 25 x^3 - 3 x^2 + 12 x - 1}$$

Sequence: A181963
Score: 11.3678
Type of gen. func.: ogf

$$- \frac{15293 x^2 - 29326 x + 14083}{(x - 1)^3}$$

Sequence: A181963
Score: 6.01342
Type of gen. func.: ogf

$$(240400 f(x) - 21762081943) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 15293 x^2 - f(x) - 29326 x + 14083)$$

Sequence: A181963
Score: 6.69235
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 14083, a(1) = 12923, a(2) = 11813\}$$

Sequence: A181965
Score: 4.81828
Type of gen. func.: ogf

$$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 989, a(1) = 99899, a(2) = 9998999\}$$

Sequence: A181965
Score: 5.15177
Type of gen. func.: ogf

$$-(32560770033 f(x) + 17933677640) (1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 1000 x^2 - f(x) + 101 x + 8)$$

Sequence: A181965
Score: 8.25991
Type of gen. func.: ogf

$$-\frac{8000 x^2 - 9880 x + 989}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A181968
Score: 4.05797
Type of gen. func.: ogf

$$\{(3 n^2 - 29 n - 70) a(n + 1) + (-978 n^2 - 8504 n - 19130) a(n + 2) + (975 n^2 + 5617 n + 8076) a(n + 3), a(0) = 53, a(1) = 431, a(2) = 1457\}$$

Sequence: A181968
Score: 5.38358
Type of gen. func.: ogf

$$(8693 f(x) + 1439036) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 51 x^2 + f(x) - 219 x - 53)$$

Sequence: A181968
Score: 9.96958
Type of gen. func.: ogf

$$\frac{x^3 + 51 x^2 + 219 x + 53}{(x - 1)^4}$$

Sequence: A181969
Score: 11.5147
Type of gen. func.: ogf

$$- \frac{1681 x^2 - 3022 x + 1373}{(x - 1)^3}$$

Sequence: A181969
Score: 6.06039
Type of gen. func.: ogf

(108400 f(x) - 415326767)

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 1681 x^2 - f(x) - 3022 x + 1373)$$

Sequence: A181969
Score: 6.71693
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1373, a(1) = 1097,

a(2) = 853}

Sequence: A181973
Score: 11.8550
Type of gen. func.: ogf

$$- \frac{1763 x^2 - 3178 x + 1447}{\quad^3}$$

$$(x - 1)$$

Sequence: A181973
Score: 6.23949
Type of gen. func.: ogf

$$(116080 f(x) - 479426341)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 1763 x^2 - f(x) - 3178 x + 1447)$$

Sequence: A181973
Score: 6.91543
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1447, a(1) = 1163, a(2) = 911\}$$

Sequence: A181975
Score: 10.2658
Type of gen. func.: ogf

$$- \frac{2 x^4 + x^3 + x^2 + x + 1}{(x - 1) (x^4 + 1)}$$

Sequence: A181977
Score: 8.18593
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-6 x^8 - 3 x^7 - 3 x^6 - 3 x^4 - 3 x^3 - 3 x - 3}{x^9 - 1}$$

Sequence: A181982
Score: 22.3400
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5 - 4 x + 2]$$

Sequence: A181982
Score: 6.18966
Type of gen. func.: ogf

$$-(2 f(x) + 7) (f(x) x^4 + x^4 + f(x) x^2 + 2 x^3 + f(x) - 2 x - 1)$$

Sequence: A181982
Score: 9.99869
Type of gen. func.: ogf

$$- \frac{(x - 1) (x + 1)^3}{(x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A181983
Score: 11.9361
Type of gen. func.: ogf

$$f(x) x^2 + 2 f(x) x + f(x) - x$$

Sequence: A181983
Score: 19.0331
Type of gen. func.: ogf

$$\frac{x}{(x + 1)^2}$$

Sequence: A181983
Score: 33.3970
Type of gen. func.: ogf_with_Euler_transform]

[-2 + 2 x]

Sequence: A181983
Score: 8.69415
Type of gen. func.: ogf

$$\{-a(n + 2) - 2 a(n + 1) - a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A181984
Score: 12.3849
Type of gen. func.: ogf

$$-\frac{x^2 - x + 1}{x^3 - 2 x^2 + 3 x - 1}$$

Sequence: A181984
Score: 6.74534
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A181984
Score: 6.8061
Type of gen. func.: ogf

$$(7 f(x) - 2) (f(x) x^3 - 2 f(x) x^2 + 3 f(x) x + x^2 - f(x) - x + 1)$$

Sequence: A181989
Score: 12.3135
Type of gen. func.: ogf

$$-\frac{x^2 - 4 x - 1}{x^3 - 5 x^2 - 7 x + 1}$$

Sequence: A181989
Score: 6.4752
Type of gen. func.: ogf

$$(5087 f(x) + 205) (f(x) x^3 - 5 f(x) x^2 - 7 f(x) x + x^2 + f(x) - 4 x - 1)$$

Sequence: A181989
Score: 6.58880
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) - 5 a(n + 1) + a(n), a(0) = 1, a(1) = 11, a(2) = 81\}$$

Sequence: A181995
Score: 14.5449
Type of gen. func.: ogf

$$- \frac{x^2 (2 x^2 + 5 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A182014
Score: 6.67467
Type of gen. func.: ogf

$$- \frac{x^4 + 6 x^3 - 24 x^2 + 12 x + 1}{x^5 + 5 x^4 - 44 x^3 + 8 x^2 + 17 x - 1}$$

Sequence: A182026
Score: 5.28648
Type of gen. func.: ogf

$$\{(-4 n^3 - 290 n^2 - 978 n - 828) a(n + 1) + (n^3 + 72 n^2 + 251 n - 1428) a(n + 2)$$

$$, a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 288\}$$

Sequence: A182027
Score: 8.99811
Type of gen. func.: ogf

$$-2 f(x)^2 x + 4 f(x) x^2 - 4 x^3 + f(x)^2 + 2 f(x) x - 4 x^2 - 2 f(x) + 1$$

Sequence: A182033
Score: 4.44115

Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{12}+2x^{11}-x^{7}+x^{5}-2x+1}{x^{14}-x^{13}+x^{12}+x^{8}-x^{7}+x^{6}+x^{2}-x+1}$$

Sequence: A182034
Score: 5.18255
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{6}-2x^{5}+x^{4}-x^{2}+2x-1}{-x^{8}+x^{7}-x^{6}-x^{5}+x^{4}-x^{3}-x^{2}+x-1}$$

Sequence: A182036
Score: 5.92661
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{7}+x^{6}-x^{5}-x^{4}+x^{3}+x^{2}-x+1}{-x^{9}-2x^{6}-2x^{3}-1}$$

Sequence: A182037
Score: 15.8315
Type of gen. func.: egf]

$$x^{2}+2x-2f(x)+f(x)^{2}$$

Sequence: A182037
Score: 3.57999
Type of gen. func.: ogf

$$\{(n^{3}-n)a(n)+(n^{3}+6n^{2}+5n)a(n+1)+(2n^{2}+6n+6)a(n+2)$$
$$+(-n-2)a(n+3), a(0)=0, a(1)=1, a(2)=2\}$$

Sequence: A182041
Score: 5.43753

Type of gen. func.: ogf

$$-\frac{11 x^{6} - 27 x^{5} - 130 x^{4} + 70 x^{3} + 220 x^{2} + 43 x - 11}{(x^{3} - 5 x^{2} - 7 x + 1) (x^{4} - 3 x^{3} - x^{2} + 3 x + 1)}$$

Sequence: A182054
Score: 6.67744
Type of gen. func.: ogf

$$\frac{(6 x^{2} - 11 x - 8) (2 x^{3} - 5 x^{2} - 4 x + 1)}{4 x^{5} - 13 x^{4} + 3 x^{3} + 15 x^{2} + 3 x - 1}$$

Sequence: A182077
Score: 7.30609
Type of gen. func.: ogf

$$-\frac{4 x^{4} - 23 x^{3} + 12 x^{2} + 37 x + 13}{4 x^{5} - 13 x^{4} + 3 x^{3} + 15 x^{2} + 3 x - 1}$$

Sequence: A182079
Score: 11.3044
Type of gen. func.: ogf

$$-\frac{x^{3} (x^{4} + x^{3} + x^{2} + 1)}{(x^{2} + x + 1) (x^{2} - x + 1) (x + 1)^{2} (x - 1)^{3}}$$

Sequence: A182089
Score: 4.42626
Type of gen. func.: ogf

$$- (394274630593 x^{4} + 4594381810448 x^{3} + 4796126519298 x^{2} + 461574415688 x + 63973) / (x - 1)^{5}$$

Sequence: A182097
Score: 13.0841
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 1) - a(n), a(0) = 1, a(1) = 0, a(2) = 1\}$$

Sequence: A182097
Score: 20.624
Type of gen. func.: ogf

$$f(x) x^3 + f(x) x^2 - f(x) + 1$$

Sequence: A182097
Score: 36.8733
Type of gen. func.: ogf

$$- \frac{1}{x^3 + x^2 - 1}$$

Sequence: A182122
Score: 15.7428
Type of gen. func.: ogf

$$-1 - 4 f(x) x + f(x)^2$$

Sequence: A182122
Score: 6.55952
Type of gen. func.: ogf

$$\{-4 a(n + 1) n + (-n - 3) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 2\}$$

Sequence: A182130
Score: 6.36438
Type of gen. func.: ogf

$$- \frac{28 x^4 + 55 x^3 - 89 x^2 - 29 x + 27}{}$$

$$28 x^5 + 42 x^4 - 109 x^3 + 17 x^2 + 13 x - 1$$

Sequence: A182143
Score: 12.8352
Type of gen. func.: ogf

$$\frac{x^2 - 2 x - 1}{(x + 1) (x^2 + 2 x - 1)}$$

Sequence: A182143
Score: 6.92875
Type of gen. func.: ogf

$$(37 f(x) - 27) (f(x) x^3 + 3 f(x) x^2 + f(x) x - x^2 - f(x) + 2 x + 1)$$

Sequence: A182143
Score: 6.99062
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 3 a(n + 1) + a(n), a(0) = 1, a(1) = 3, a(2) = 5\}$$

Sequence: A182188
Score: 3.96859
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^3 - 7 f(x) x^2 + 7 f(x) x + 3 x^2 - f(x) - 8 x + 1)$$

Sequence: A182188
Score: 4.03883
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) - 7 a(n + 1) + a(n), a(0) = 1, a(1) = -1, a(2) = -11\}$$

Sequence: A182188
Score: 7.48177
Type of gen. func.: ogf

$$-\frac{3 x^2 - 8 x + 1}{(x - 1) (x^2 - 6 x + 1)}$$

Sequence: A182189
Score: 4.95066
Type of gen. func.: ogf

$$(336 f(x) + 115) (f(x) x^3 - 7 f(x) x^2 + 7 f(x) x - x^2 - f(x) - 4 x + 1)$$

Sequence: A182189
Score: 5.03827
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 7 a(n + 1) - a(n), a(0) = 1, a(1) = 3, a(2) = 13\}$$

Sequence: A182189
Score: 9.33320
Type of gen. func.: ogf

$$\frac{x^2 + 4 x - 1}{(x - 1) (x^2 - 6 x + 1)}$$

Sequence: A182190
Score: 11.7166
Type of gen. func.: ogf

$$-\frac{4 x}{(x - 1) (x^2 - 6 x + 1)}$$

Sequence: A182190
Score: 4.70757
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 7 a(n + 1) - a(n), a(0) = 0, a(1) = 4, a(2) = 28\}$$

Sequence: A182190
Score: 6.84739
Type of gen. func.: ogf

$$f(x) x^3 - 7 f(x) x^2 + 7 f(x) x - f(x) + 4 x$$

Sequence: A182191
Score: 11.8340
Type of gen. func.: ogf

$$- \frac{x^2 + 12 x - 1}{(x - 1) (x^2 - 6 x + 1)}$$

Sequence: A182191
Score: 6.11421
Type of gen. func.: ogf

$$(44488 f(x) - 35291) (f(x) x^3 - 7 f(x) x^2 + 7 f(x) x + x^2 - f(x) + 12 x - 1)$$

Sequence: A182191
Score: 6.49296
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 7 a(n + 1) - a(n), a(0) = -1, a(1) = 5, a(2) = 43\}$$

Sequence: A182193
Score: 11.6681
Type of gen. func.: ogf

$$- \frac{5 x^2 + 8 x - 1}{(x - 1) (x^2 - 6 x + 1)}$$

Sequence: A182193
Score: 5.98115

Type of gen. func.: ogf

$$(10072 f(x) - 11109) (f(x) x^3 - 7 f(x) x^2 + 7 f(x) x + 5 x^2 - f(x) + 8 x - 1)$$

Sequence: A182193
Score: 6.29873
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 7 a(n + 1) - a(n), a(0) = -1, a(1) = 1, a(2) = 19\}$$

Sequence: A182194
Score: 8.64951
Type of gen. func.: ogf

$$- \frac{91 x^{25} - 91 x^{24} + 21 x^9 - 21 x^8 + 7 x^4 - 7 x^3 + 3 x^2 - 2}{(x - 1)^2}$$

Sequence: A182202
Score: 8.79609
Type of gen. func.: ogf

$$\frac{x (2 x^2 + 1) (4 x^4 - 2 x^2 + x + 1)}{(x + 1) (2 x - 1) (x^2 + 1) (2 x^2 - 1)}$$

Sequence: A182214
Score: 11.9645
Type of gen. func.: ogf

$$- \frac{4 x^3 + 2 x^2 + 2 x + 3}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A182214
Score: 7.92997
Type of gen. func.: ogf

$$(127 f(x) + 93) (f(x) x^4 + 4 x^3 + 2 x^2 - f(x) + 2 x + 3)$$

Sequence: A182215
Score: 14.0604
Type of gen. func.: ogf

$$- \frac{5 x^3 + 4 x^2 + 4 x + 2}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A182215
Score: 9.00498
Type of gen. func.: ogf

$$-(24 f(x) + 61) (f(x) x^4 + 5 x^3 + 4 x^2 - f(x) + 4 x + 2)$$

Sequence: A182228
Score: 22.3698
Type of gen. func.: ogf

$$- \frac{x}{3 x^2 - x - 1}$$

Sequence: A182228
Score: 9.11362
Type of gen. func.: ogf

$$\{a(n + 2) + a(n + 1) - 3 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A182228
Score: 9.75569
Type of gen. func.: ogf

$$(f(x) - 1) (3 f(x) x^2 - f(x) x - f(x) + x)$$

Sequence: A182255
Score: 11.0390
Type of gen. func.: ogf

$$-\frac{17711 x^2 - 32932 x + 15383}{(x - 1)^3}$$

Sequence: A182255
Score: 5.67497
Type of gen. func.: ogf

$$(52418745 f(x) - 3132826834426)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 17711 x^2 - f(x) - 32932 x + 15383)$$

Sequence: A182255
Score: 6.49875
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 15383, a(1) = 13217,$$

$$a(2) = 11213\}$$

Sequence: A182260
Score: 9.21516
Type of gen. func.: ogf

$$\frac{x (x^2 + 2 x + 3)}{(x + 1) (x - 1)^4}$$

Sequence: A182268
Score: 12.3889
Type of gen. func.: ogf

$$\frac{(7 x - 1) (98 x^2 + 14 x + 1)}{(14 x - 1) (14 x + 1)}$$

Sequence: A182268
Score: 6.43735
Type of gen. func.: ogf

$$\{-a(n + 4) + 196 a(n + 2), a(0) = 1, a(1) = 7, a(2) = 196, a(3) = 686\}$$

Sequence: A182268
Score: 8.1063
Type of gen. func.: ogf

$$(52 f(x) + 11) (196 f(x) x^2 - 686 x^3 - f(x) + 7 x + 1)$$

Sequence: A182323
Score: 12.9341
Type of gen. func.: ogf

$$\frac{25 x^2 + 47 x + 25}{(x - 1)^2 (x + 1)}$$

Sequence: A182323
Score: 6.95615
Type of gen. func.: ogf

$$(583 f(x) - 2199) (f(x) x^3 - f(x) x^2 - f(x) x - 25 x^2 + f(x) - 47 x - 25)$$

Sequence: A182323
Score: 7.13605
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 25, a(1) = 72, a(2) = 122\}$$

Sequence: A182334
Score: 5.94465
Type of gen. func.: ogf

$$\frac{x (x^9 - x^8 - 38 x^6 + 25 x^5 - 15 x^4 + 20 x^3 - 10 x^2 - 3 x - 1)}{(x - 1) (x^2 + x + 1) (x^6 - 34 x^3 + 1)}$$

Sequence: A182341
Score: 12.2577
Type of gen. func.: ogf

$$\frac{2 x^{20} + 3 x^{19} - 5 x^{18} + 7}{(x - 1)^2}$$

Sequence: A182349
Score: 5.08599
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-8 - n) a(n + 2) + (-20 - 2 n) a(n + 1), a(0) = 1,

a(1) = 6, a(2) = 30}

Sequence: A182349
Score: 8.40293
Type of gen. func.: ogf

$$- \frac{1}{(x + 1)^4 (2 x - 1)^5}$$

Sequence: A182386
Score: 5.35155
Type of gen. func.: ogf

{(n + 2) a(n + 1) + (-n - 2) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 0, a(2) = 1}

Sequence: A182401
Score: 12.2763
Type of gen. func.: ogf

$$f(x)^2 x^2 + 5 f(x) x - f(x) + 1$$

Sequence: A182401

Score: 4.67289
Type of gen. func.: ogf

$$\{(-21 n - 42) a(n + 1) + (10 n + 35) a(n + 2) + (-5 - n) a(n + 3), a(0) = 1, a(1) = 5, a(2) = 26\}$$

Sequence: A182409
Score: 10.9075
Type of gen. func.: ogf

$$\frac{1591 x^2 - 3182 x + 1583}{(x - 1)^3}$$

Sequence: A182409
Score: 5.87326
Type of gen. func.: ogf

$$(3350 f(x) - 18165791)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 1591 x^2 - f(x) + 3182 x - 1583)$$

Sequence: A182409
Score: 6.31012
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = -1583, a(1) = -1567, a(2) = -1543\}$$

Sequence: A182415
Score: 17.0002
Type of gen. func.: ogf

$$\frac{3 x^2 + 1}{(x - 1) (x^2 + x - 1)}$$

Sequence: A182415
Score: 8.5877

Type of gen. func.: ogf

$$-(55 f(x) - 1918) (f(x) x^3 - 2 f(x) x - 3 x^2 + f(x) - 1)$$

Sequence: A182415
Score: 8.86179
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 1, a(1) = 2, a(2) = 7\}$$

Sequence: A182428
Score: 18.5371
Type of gen. func.: ogf

$$\frac{4 x (10 x - 9)}{(x - 1)^3}$$

Sequence: A182428
Score: 9.59378
Type of gen. func.: ogf

$$(15 f(x) - 15184) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 40 x^2 - f(x) + 36 x)$$

Sequence: A182428
Score: 9.67867
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 0, a(1) = 36, a(2) = 68\}$$

Sequence: A182432
Score: 10.7806
Type of gen. func.: ogf

$$-\frac{x^2 - 5 x + 1}{(x - 1) (x^2 - 8 x + 1)}$$

Sequence: A182432
Score: 5.76857
Type of gen. func.: ogf

$$(213 f(x) + 11) (f(x) x^{3} - 9 f(x) x^{2} + 9 f(x) x + x^{2} - f(x) - 5 x + 1)$$

Sequence: A182432
Score: 5.81961
Type of gen. func.: ogf

$$\{-a(n + 3) + 9 a(n + 2) - 9 a(n + 1) + a(n), a(0) = 1, a(1) = 4, a(2) = 28\}$$

Sequence: A182435
Score: 12.7122
Type of gen. func.: ogf

$$\frac{x (3 x - 1)}{(x - 1) (x^{2} - 6 x + 1)}$$

Sequence: A182435
Score: 6.52788
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 7 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 4\}$$

Sequence: A182435
Score: 6.52789
Type of gen. func.: ogf

$$-(4 f(x) + 1) (f(x) x^{3} - 7 f(x) x^{2} + 7 f(x) x - 3 x^{2} - f(x) + x)$$

Sequence: A182453
Score: 14.3286
Type of gen. func.: ogf

$$\frac{2 x^{3} + 2 x^{2} - 3 x + 1}{{}^{3}}$$

$$(3 x - 1) (x - 1)$$

Sequence: A182453
Score: 4.77620
Type of gen. func.: ogf

$$\{(12 n^2 + 60 n + 72) a(n + 1) + (-19 n^2 - 80 n - 69) a(n + 2) + (8 n^2 + 38 n + 39) a(n + 3) + (-n^2 - 6 n - 8) a(n + 4), a(0) = 1, a(1) = 3, a(2) = 8, a(3) = 24\}$$

Sequence: A182453
Score: 7.80663
Type of gen. func.: ogf

$$(6904 f(x) + 3713) (3 f(x) x^4 - 10 f(x) x^3 + 12 f(x) x^2 - 2 x^3 - 6 f(x) x - 2 x^2 + f(x) + 3 x - 1)$$

Sequence: A182455
Score: 7.82473
Type of gen. func.: ogf

$$-\frac{3 x^5 - 3 x^4 - 6 x^3 + 7 x^2 + 2 x + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A182456
Score: 4.56092
Type of gen. func.: ogf

$$\{(n^2 + 12 n + 36) a(n) + (-n^2 - 9 n - 18) a(n + 2) + (n + 3) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 20, a(3) = 12\}$$

Sequence: A182456
Score: 7.74914
Type of gen. func.: ogf

$$-\frac{8x^5 - 8x^4 - 14x^3 + 14x^2 + 3x + 1}{(x+1)^2 (x-1)^3}$$

Sequence: A182460
Score: 10.3514
Type of gen. func.: ogf

{-a(n + 2) + 17 a(n + 1) - 16 a(n), a(0) = 1, a(1) = 19}

Sequence: A182460
Score: 18.7206
Type of gen. func.: ogf

$$\frac{2x + 1}{(16x - 1)(x - 1)}$$

Sequence: A182460
Score: 9.7763
Type of gen. func.: ogf

$$(291 f(x) + 70) (16 f(x) x^2 - 17 f(x) x + f(x) - 2 x - 1)$$

Sequence: A182461
Score: 16.2666
Type of gen. func.: ogf

$$-\frac{8(x - 2)}{(2x - 1)(x - 1)}$$

Sequence: A182461
Score: 8.31404
Type of gen. func.: ogf

$$(71 f(x) + 1364) (2 f(x) x^2 - 3 f(x) x + f(x) + 8 x - 16)$$

Sequence: A182461
Score: 8.90790
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 16, a(1) = 40\}$$

Sequence: A182462
Score: 16.1376
Type of gen. func.: ogf

$$-\frac{10 (x - 2)}{(2 x - 1) (x - 1)}$$

Sequence: A182462
Score: 8.3348
Type of gen. func.: ogf

$$(71 f(x) + 1705) (2 f(x) x^2 - 3 f(x) x + f(x) + 10 x - 20)$$

Sequence: A182462
Score: 9.02938
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 20, a(1) = 50\}$$

Sequence: A182464
Score: 17.3161
Type of gen. func.: ogf

$$-\frac{12 (x - 2)}{(2 x - 1) (x - 1)}$$

Sequence: A182464
Score: 8.94346
Type of gen. func.: ogf

$$(71 f(x) + 2046) (2 f(x) x^2 - 3 f(x) x + f(x) + 12 x - 24)$$

```
------------------------------------------------------------------------------

Sequence:  A182464
Score: 9.68876
Type of gen. func.: ogf

            {-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 24, a(1) = 60}


------------------------------------------------------------------------------

Sequence:  A182465
Score: 16.4994
Type of gen. func.: ogf

                                  14 (x - 2)
                              - -----------------
                                (2 x - 1) (x - 1)


------------------------------------------------------------------------------

Sequence:  A182465
Score: 8.81219
Type of gen. func.: ogf

                                        2
             (f(x) + 22) (2 f(x) x  - 3 f(x) x + f(x) + 14 x - 28)


------------------------------------------------------------------------------

Sequence:  A182465
Score: 9.23183
Type of gen. func.: ogf

            {-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 28, a(1) = 70}


------------------------------------------------------------------------------

Sequence:  A182466
Score: 17.6083
Type of gen. func.: ogf

                                  16 (x - 2)
                              - -----------------
                                (2 x - 1) (x - 1)


------------------------------------------------------------------------------

Sequence:  A182466
Score: 9.09441
Type of gen. func.: ogf

                                           2
           (71 f(x) + 2728) (2 f(x) x  - 3 f(x) x + f(x) + 16 x - 32)
```

Sequence: A182466
Score: 9.85229
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 32, a(1) = 80\}$$

Sequence: A182467
Score: 16.6442
Type of gen. func.: ogf

$$-\frac{18 (x - 2)}{(2 x - 1) (x - 1)}$$

Sequence: A182467
Score: 8.59643
Type of gen. func.: ogf

$$(71 f(x) + 3069) (2 f(x) x^{2} - 3 f(x) x + f(x) + 18 x - 36)$$

Sequence: A182467
Score: 9.31281
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 36, a(1) = 90\}$$

Sequence: A182480
Score: 11.4560
Type of gen. func.: ogf

$$-\frac{8 x^{3} - 2 x^{2} + 3 x + 2}{(x - 1) (x + 1) (x^{2} - x + 1)}$$

Sequence: A182480
Score: 6.22414
Type of gen. func.: ogf

4   3   3   2

$$-(328 f(x) - 707) (f(x) x - f(x) x + 8 x + f(x) x - 2 x - f(x) + 3 x + 2)$$

Sequence: A182486
Score: 3.52036
Type of gen. func.: ogf

$$\{(-4 n - 6) a(n + 1) + (9 n + 15) a(n + 2) + (-10 n - 18) a(n + 3) + (2 n + 6) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 0, a(3) = -1\}$$

Sequence: A182486
Score: 7.33716
Type of gen. func.: ogf

$$-f(x)^2 x^2 + 2 f(x)^2 x - 2 f(x)^2 - f(x) x + 4 f(x) - x - 2$$

Sequence: A182492
Score: 6.14169
Type of gen. func.: ogf

$$f(x)^2 x + 2 f(x) x^2 - 2 f(x) x - 2 x^2 + f(x) + 2 x - 1$$

Sequence: A182494
Score: 9.66633
Type of gen. func.: ogf

$$- \frac{9 x^6 - 9 x^5 + 8 x^4 - 7 x^3 + 7 x^2 - 8 x + 9}{(x - 1) (x^2 + 1) (x^4 - x^2 + 1)}$$

Sequence: A182495
Score: 6.37473
Type of gen. func.: ogf

$$- (6 x^{11} + 5 x^{10} + 4 x^9 + 5 x^8 + 7 x^7 + 6 x^6 + 7 x^5 + 5 x^4 + 5 x^3 + 4 x^2 + 5 x + 4) / ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x^4 - x^2 + 1))$$

Sequence: A182512
Score: 10.7641
Type of gen. func.: ogf

$$-16 f(x) x^2 + 17 f(x) x - f(x) + 3 x$$

Sequence: A182512
Score: 16.8362
Type of gen. func.: ogf

$$\frac{3 x}{(16 x - 1) (x - 1)}$$

Sequence: A182512
Score: 7.91096
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1) + 16 a(n), a(0) = 0, a(1) = 3\}$$

Sequence: A182522
Score: 10.4403
Type of gen. func.: ogf

$$(14 f(x) - 11) (3 f(x) x^2 - x^2 - f(x) + x + 1)$$

Sequence: A182522
Score: 16.4063
Type of gen. func.: ogf

$$\frac{x^2 - x - 1}{3 x^2 - 1}$$

Sequence: A182522
Score: 9.57032
Type of gen. func.: ogf

$$\{-a(n + 3) + 3\ a(n + 1),\ a(0) = 1,\ a(1) = 1,\ a(2) = 2\}$$

Sequence: A182531
Score: 4.70519
Type of gen. func.: ogf

$$\frac{x\ (x^2 - x - 1)\ (x^3 - x^2 + 1)}{(x + 1)\ (x - 1)^3}$$

Sequence: A182542
Score: 4.17584
Type of gen. func.: ogf

$$\{(-16\ n^2 - 136\ n - 288)\ a(n + 1) + (8\ n^2 + 74\ n + 156)\ a(n + 2)$$
$$+ (-n^2 - 10\ n - 21)\ a(n + 3),\ a(0) = 1,\ a(1) = 8,\ a(2) = 46\}$$

Sequence: A182555
Score: 5.01748
Type of gen. func.: ogf

$$\{(8\ n^2 + 8\ n)\ a(n) + (-4\ n^2 + 4\ n + 8)\ a(n + 1) + (-2\ n^2 - 8\ n + 4)\ a(n + 2)$$
$$+ (n^2 + 2\ n - 3)\ a(n + 3),\ a(0) = 1,\ a(1) = 2,\ a(2) = 5,\ a(3) = 12,$$
$$a(4) = 29\}$$

Sequence: A182555
Score: 6.37581
Type of gen. func.: ogf

$$16\ f(x)^2\ x^4 - 32\ f(x)^2\ x^3 + 24\ f(x)^2\ x^2 + 16\ f(x)\ x^3 - 8\ f(x)^2\ x - 28\ f(x)\ x^2$$
$$+ f(x)^2 + 16\ f(x)\ x + 5\ x^2 - 3\ f(x) - 6\ x + 2$$

Sequence: A182568

Score: 20.3661
Type of gen. func.: ogf

$$-\frac{2\,x^5}{(x^2+1)\,(x+1)\,(x-1)^3}$$

Sequence: A182568
Score: 49.5436
Type of gen. func.: ogf_with_Euler_transform]

$$[x^3+2]$$

Sequence: A182584
Score: 5.68914
Type of gen. func.: ogf

$$-27\,f(x)^3\,x^2 - 27\,f(x)^2\,x^2 + 4\,f(x)^3 + 6\,f(x)\,x^2 + x^3 + 4\,f(x)^2 - 16\,f(x)\,x - 8\,f(x) + 4\,x$$

Sequence: A182614
Score: 6.79423
Type of gen. func.: ogf

$$-\frac{2\,x^4 - 2\,x^3 - 3\,x^2 + 2\,x + 2}{(x-1)\,(x+1)\,(x^2+x-1)^2}$$

Sequence: A182614
Score: 7.07741
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^7 - 3\,x^6 - 5\,x^5 + 4\,x^4 + 7\,x^3 + 3\,x^2 - 4\,x - 3)}{(x-1)\,(x+1)\,(x^2+x-1)\,(2\,x^4 - 2\,x^3 - 3\,x^2 + 2\,x + 2)}$$

Sequence: A182626

Score: 5.44477
Type of gen. func.: ogf

$$-f(x)^2 x^2 - 6 f(x)^2 x + f(x) x^2 - f(x)^2 + 6 f(x) x + f(x) - x$$

Sequence: A182661
Score: 3.72250
Type of gen. func.: ogf

$$\{(n^2 + 11 n + 30) a(n + 1) + (n^2 + 8 n + 12) a(n + 2) + (-n - 3) a(n + 3),$$
$$a(0) = 2, a(1) = 0, a(2) = 20\}$$

Sequence: A182661
Score: 6.66792
Type of gen. func.: lgdegf]

$$- \frac{x (x^6 - 12 x^5 + 54 x^4 - 124 x^3 + 165 x^2 - 120 x + 60)}{(x - 1) (x^6 - 9 x^5 + 30 x^4 - 49 x^3 + 45 x^2 - 18 x + 6)}$$

Sequence: A182687
Score: 2.44193
Type of gen. func.: ogf

$$-(27 f(x) - 17) (-6 x^3 - 4 x^2 + f(x) - 2 x - 1)$$

Sequence: A182687
Score: 8.32633
Type of gen. func.: lgdogf

$$\frac{2 (9 x^2 + 4 x + 1)}{6 x^3 + 4 x^2 + 2 x + 1}$$

Sequence: A182688
Score: 2.28128
Type of gen. func.: ogf

$$-(8384 f(x) + 11191) (-8 x^3 - 9 x^2 + f(x) - 7 x - 1)$$

Sequence: A182688
Score: 8.32633
Type of gen. func.: lgdogf

$$\frac{24 x^2 + 18 x + 7}{8 x^3 + 9 x^2 + 7 x + 1}$$

Sequence: A182691
Score: 8.06489
Type of gen. func.: ogf

$$-\frac{4 x^5 + 4 x^4 + 2 x^3 + 2 x^2 - 4 x - 3}{(x - 1) (x + 1) (4 x^4 + 4 x^2 - 1)}$$

Sequence: A182712
Score: 19.5540
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^2 + 2 x}{x - 1}$$

Sequence: A182713
Score: 16.6061
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^3 - x^2 - x}{-x + 1}$$

Sequence: A182714
Score: 16.5297
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^4 - x^3 - x}{-x + 1}$$

Sequence: A182749
Score: 7.9242
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A182751
Score: 10.2319
Type of gen. func.: ogf

$$(14 f(x) - 5) (3 f(x) x^2 + 3 x^2 - f(x) + 3 x + 1)$$

Sequence: A182751
Score: 15.8699
Type of gen. func.: ogf

$$-\frac{3 x^2 + 3 x + 1}{3 x^2 - 1}$$

Sequence: A182751
Score: 17.0147
Type of gen. func.: lgdogf

$$-\frac{3 (x + 1) (1 + 3 x)}{(3 x^2 + 3 x + 1) (3 x^2 - 1)}$$

Sequence: A182751
Score: 9.25743
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 6\}$$

Sequence: A182752
Score: 10.1862
Type of gen. func.: lgdogf

$$-\frac{2\,(42\,x^2+14\,x+3)}{(6\,x+1)\,(14\,x^2-1)}$$

Sequence: A182752
Score: 5.11403
Type of gen. func.: ogf

$$-(175\,f(x)+149)\,(14\,f(x)\,x^2-f(x)+6\,x+1)$$

Sequence: A182752
Score: 5.97948
Type of gen. func.: ogf

$$\{a(n+2)-14\,a(n),\ a(0)=1,\ a(1)=6\}$$

Sequence: A182752
Score: 9.25395
Type of gen. func.: ogf

$$-\frac{6\,x+1}{14\,x^2-1}$$

Sequence: A182752
Score: 9.91811
Type of gen. func.: revogf

$$\frac{-1+(56\,x^2+24\,x+1)^{1/2}}{4\,(3+7\,x)}$$

Sequence: A182753
Score: 11.2593
Type of gen. func.: ogf

$$\{a(n+2) - 35\,a(n),\ a(0) = 1,\ a(1) = 14\}$$

Sequence: A182753
Score: 17.2817
Type of gen. func.: ogf

$$-\frac{14x + 1}{35x^2 - 1}$$

Sequence: A182753
Score: 6.20179
Type of gen. func.: revogf

$$\frac{-1 + (140x^2 + 56x + 1)^{1/2}}{14(2 + 5x)}$$

Sequence: A182753
Score: 6.52820
Type of gen. func.: lgdogf

$$-\frac{14(35x^2 + 5x + 1)}{(14x + 1)(35x^2 - 1)}$$

Sequence: A182753
Score: 9.65081
Type of gen. func.: ogf

$$-(165 f(x) + 619)(35 f(x) x^2 - f(x) + 14x + 1)$$

Sequence: A182754
Score: 10.8865
Type of gen. func.: ogf

$$\{a(n+2) - 77\,a(n),\ a(0) = 1,\ a(1) = 21\}$$

Sequence: A182754
Score: 16.7095
Type of gen. func.: ogf

$$-\frac{21 x + 1}{77 x^2 - 1}$$

Sequence: A182754
Score: 17.2275
Type of gen. func.: revogf

$$\frac{-1 + (308 x^2 + 84 x + 1)^{1/2}}{14 (3 + 11 x)}$$

Sequence: A182754
Score: 18.1110
Type of gen. func.: lgdogf

$$-\frac{7 (231 x^2 + 22 x + 3)}{(21 x + 1) (77 x^2 - 1)}$$

Sequence: A182754
Score: 9.21163
Type of gen. func.: ogf

$$-(814 f(x) + 3155) (77 f(x) x^2 - f(x) + 21 x + 1)$$

Sequence: A182755
Score: 10.3598
Type of gen. func.: ogf

$$(36 f(x) + 209) (90 f(x) x^2 - f(x) + 35 x + 1)$$

Sequence: A182755

Score: 11.3016
Type of gen. func.: ogf

$$\{a(n + 2) - 90 a(n), a(0) = 1, a(1) = 35\}$$

Sequence: A182755
Score: 17.3467
Type of gen. func.: ogf

$$-\frac{35 x + 1}{90 x^{2} - 1}$$

Sequence: A182758
Score: 4.60679
Type of gen. func.: ogf

$$-(6 x^{24} + 3 x^{23} + 17 x^{22} + 15 x^{20} - 45 x^{19} + 10 x^{16} + 15 x^{15} - 25 x^{14} + 13 x^{12} + x^{11} - 16 x^{10} + 5 x^{9} - 7 x^{7} + x^{5} - x^{3} - 1) / (x - 1)^{2}$$

Sequence: A182780
Score: 15.7241
Type of gen. func.: ogf

$$-\frac{2 (x^{2} + x - 1)}{(x - 1) (x^{2} + 2 x - 1)}$$

Sequence: A182780
Score: 8.56402
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - a(n + 1) - a(n), a(0) = 2, a(1) = 4, a(2) = 8\}$$

Sequence: A182780
Score: 8.64117
Type of gen. func.: ogf

$$(5 f(x) + 6) (f(x) x^3 + f(x) x^2 - 3 f(x) x + 2 x^2 + f(x) + 2 x - 2)$$

Sequence: A182788
Score: 12.6733
Type of gen. func.: lgdogf

$$- \frac{4 (27 x^3 + 104 x^2 + 71 x + 8)}{(x - 1) (27 x^3 + 67 x^2 + 25 x + 1)}$$

Sequence: A182788
Score: 3.62901
Type of gen. func.: ogf

$$\{(-119 n^2 - 271 n - 66) a(n + 1) + (160 n^2 - 208 n + 1008) a(n + 2)$$
$$+ (-41 n^2 + 11 n) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6\}$$

Sequence: A182788
Score: 5.88570
Type of gen. func.: ogf

$$- \frac{6 x^3 (27 x^3 + 67 x^2 + 25 x + 1)}{(x - 1)^7}$$

Sequence: A182789
Score: 3.36167
Type of gen. func.: ogf

$$- 6 x^3 (3267 x^7 + 51359 x^6 + 195679 x^5 + 241075 x^4 + 100425 x^3 + 12653 x^2$$
$$+ 341 x + 1) / (x - 1)^{11}$$

Sequence: A182789
Score: 5.81678
Type of gen. func.: lgdegf]

$$\frac{x^7 + 34 x^6 + 408 x^5 + 2154 x^4 + 5103 x^3 + 4957 x^2 + 1559 x + 88}{x^7 + 27 x^6 + 246 x^5 + 924 x^4 + 1407 x^3 + 736 x^2 + 87 x + 1}$$

Sequence: A182818
Score: 17.8038
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{3 + 2 x}{x^2 - 1}$$

Sequence: A182819
Score: 14.0213
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-3 x^2 - 4 x - 4}{-x^3 + 1}$$

Sequence: A182820
Score: 16.4792
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{4 x + 7}{x^2 - 1}$$

Sequence: A182827
Score: 10.1284
Type of gen. func.: egf]

$$-4 f(x)^2 x^2 - 2 f(x)^2 x - f(x)^2 + 1$$

Sequence: A182827
Score: 21.4533
Type of gen. func.: revegf]

$$-1/8 \exp(-2 x) + 3/8 \exp(2 x) - 1/4$$

Sequence: A182827
Score: 30.2296
Type of gen. func.: lgdegf]

$$-\frac{4 x + 1}{4 x^{2} + 2 x + 1}$$

Sequence: A182827
Score: 4.43118
Type of gen. func.: ogf

$$\{(4 n^{2} + 16 n + 16) a(n + 1) + (2 n + 5) a(n + 2) + a(n + 3), a(0) = 1,$$
$$a(1) = -1, a(2) = -1\}$$

Sequence: A182866
Score: 10.6727
Type of gen. func.: lgdogf

$$-\frac{3 (x^{4} + 72 x^{3} + 468 x^{2} + 584 x + 135)}{(x - 1) (x^{4} + 53 x^{3} + 249 x^{2} + 209 x + 28)}$$

Sequence: A182866
Score: 6.01946
Type of gen. func.: ogf

$$-\frac{2 x (x^{4} + 53 x^{3} + 249 x^{2} + 209 x + 28)}{(x - 1)^{7}}$$

Sequence: A182868
Score: 14.7502
Type of gen. func.: ogf

2

$$-\frac{2 x + 7 x - 1}{(x - 1)^{3}}$$

Sequence: A182868
Score: 26.1185
Type of gen. func.: lgdogf

$$-\frac{2 (x^{2} + 9 x + 2)}{(x - 1) (2 x^{2} + 7 x - 1)}$$

Sequence: A182868
Score: 7.49804
Type of gen. func.: ogf

$$(28352 f(x) - 101661) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 2 x^{2} - f(x) + 7 x - 1)$$

Sequence: A182868
Score: 7.96252
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = -1, a(1) = 4, a(2) = 17\}$$

Sequence: A182879
Score: 9.73787
Type of gen. func.: lgdogf

$$-\frac{3 x^{6} - 11 x^{5} + 10 x^{4} - x^{3} + 4 x^{2} + 7 x + 3}{(x^{2} - 3 x + 1) (x^{3} - 2 x^{2} - 1) (x^{2} + x + 1)}$$

Sequence: A182881
Score: 15.5836
Type of gen. func.: lgdogf

$$-\frac{3 (2 x^{3} - 3 x^{2} - x - 1)}{{}^{2} \qquad\qquad {}^{2}}$$

```
(x  + x + 1) (x  - 3 x + 1)
```

Sequence: A182883
Score: 19.4672
Type of gen. func.: lgdogf

$$-\frac{2 x (x^2 - 3 x - 1)}{x^4 - 4 x^3 - 2 x^2 + 1}$$

Sequence: A182883
Score: 9.02516
Type of gen. func.: ogf

$$-f(x)^2 x^4 + 4 f(x)^2 x^3 + 2 f(x)^2 x^2 - f(x)^2 + 1$$

Sequence: A182884
Score: 10.8385
Type of gen. func.: lgdogf

$$-\frac{2 (x - 1) (2 x^4 + 2 x^3 - 5 x^2 - x - 1)}{(x^2 + x + 1) (x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A182887
Score: 9.38354
Type of gen. func.: lgdogf

$$-\frac{3 x^6 + 5 x^5 - 10 x^4 - 5 x^3 + 8 x^2 - x + 3}{(x + 1) (x^2 + x + 1) (x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A182889
Score: 5.32916
Type of gen. func.: ogf

```
-(125 f(x) + 2)

         2  4         2  3         2  2         2         2
```

$$(f(x)\ x\ - 2 f(x)\ x\ - 2 f(x)\ x\ - 2 f(x)\ x + f(x)\ + 2 f(x) x - 1)$$

Sequence: A182890
Score: 14.7726
Type of gen. func.: ogf

$$\frac{x}{(x^2 + x + 1)(x^2 - 3x + 1)}$$

Sequence: A182890
Score: 17.9686
Type of gen. func.: lgdogf

$$-\frac{2(2x^3 - 3x^2 - x - 1)}{(x^2 + x + 1)(x^2 - 3x + 1)}$$

Sequence: A182890
Score: 6.47065
Type of gen. func.: ogf

$$-(2 f(x) + 1)(f(x) x^4 - 2 f(x) x^3 - f(x) x^2 - 2 f(x) x + f(x) - x)$$

Sequence: A182892
Score: 7.24953
Type of gen. func.: ogf

$$-2 f(x)^2 x^3 - f(x)^2 x^2 - 2 f(x)^2 x + 2 f(x) x^2 + f(x)^2 - 1$$

Sequence: A182894
Score: 6.42521
Type of gen. func.: ogf

$$-4 f(x)^2 x^3 - 2 f(x)^2 x^2 - 2 f(x)^2 x + 2 f(x) x^2 + f(x)^2 + 2 f(x) x - 1$$

Sequence: A182895
Score: 10.6199
Type of gen. func.: ogf

$$\frac{x (x + 1)}{(x^2 + x + 1) (x^2 - 3 x + 1)}$$

Sequence: A182895
Score: 13.8815
Type of gen. func.: lgdogf

$$- \frac{3 x^4 - 7 x^2 - 2 x - 3}{(x + 1) (x^2 + x + 1) (x^2 - 3 x + 1)}$$

Sequence: A182895
Score: 5.4354
Type of gen. func.: ogf

$$(27 f(x) + 13) (f(x) x^4 - 2 f(x) x^3 - f(x) x^2 - 2 f(x) x - x^2 + f(x) - x)$$

Sequence: A182904
Score: 13.6039
Type of gen. func.: lgdogf

$$- \frac{3 x^5 - 5 x^4 - 2 x^3 - x - 1}{x^6 - 2 x^5 - x^4 - x^2 - 2 x + 1}$$

Sequence: A182905
Score: 6.17031
Type of gen. func.: ogf

$$-2 f(x)^2 x^4 - 2 f(x)^2 x^3 + f(x)^2 x^2 - 3 f(x) x^2 - f(x) x + f(x) - 1$$

Sequence: A182909
Score: 4.82201
Type of gen. func.: ogf

$$-(8x^{20}-4x^{19}+3x^{18}-6x^{16}+13x^{15}-6x^{14}-7x^{13}-x^{12}+8x^{11}-4x^{10}-x^{9}+x^{8}-2x^{7}-2x^{6}+3x^{5}-x^{4}-2x^{3}+2x^{2}-3)\Big/(x-1)^{2}$$

Sequence: A182943
Score: 7.42055
Type of gen. func.: ogf

$$-(9x^{13}-5x^{12}+3x^{11}+x^{10}+6x^{9}-5x^{8}-9x^{7}+8x^{6}-x^{5}-x^{4}-6x^{3}+5x^{2}-2x-4)\Big/(x-1)^{2}$$

Sequence: A182959
Score: 6.18321
Type of gen. func.: ogf

$$-f(x)^{2}x-2f(x)x^{2}-x^{3}-f(x)x-3x^{2}+f(x)-3x-1$$

Sequence: A182959
Score: 8.77004
Type of gen. func.: lgdogf

$$\frac{4Ix+I-(8x-1)^{1/2}+2x(8x-1)^{1/2}}{2(x+1)(8x-1)^{1/2}x}$$

Sequence: A182990
Score: 13.4772
Type of gen. func.: lgdogf

$$-\frac{299792458}{-1+299792458x}$$

Sequence: A182990
Score: 21.4050

Type of gen. func.: revogf

$$\frac{x}{1 + 299792458 x}$$

Sequence: A183010
Score: 17.9497
Type of gen. func.: ogf

$$\frac{25 x - 1}{(x - 1)^2}$$

Sequence: A183010
Score: 21.9970
Type of gen. func.: revogf

$$-\frac{-23 - 2 x + (529 + 96 x)^{1/2}}{2 (x - 1)}$$

Sequence: A183010
Score: 40.6944
Type of gen. func.: lgdogf

$$-\frac{47 + x}{(x + 23) (x - 1)}$$

Sequence: A183010
Score: 9.27734
Type of gen. func.: ogf

$$(48 f(x) + 577) (f(x) x^2 - 2 f(x) x + f(x) - 25 x + 1)$$

Sequence: A183010
Score: 9.94800
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -1, a(1) = 23\}$$

Sequence: A183035
Score: 8.60411
Type of gen. func.: lgdogf

$$-2x(65x^{42} - x^{40} - 60x^{38} + 53x^{34} - x^{32} - 48x^{30} + 17x^{10} - x^{8} - 12x^{6} + 5x^{2} - 1) \Big/ ((x - 1)(x + 1)(x^{2} + 1)(x^{8} + 1)(x^{32} + 1))$$

Sequence: A183041
Score: 9.02007
Type of gen. func.: ogf

$$\frac{2x^{5} - 2x^{4} + x^{3} - x^{2} - x + 3}{(x^{2} + 1)(x + 1)(x - 1)^{2}}$$

Sequence: A183041
Score: 9.61471
Type of gen. func.: lgdogf

$$-\frac{2(x^{6} - x^{5} + 2x^{4} + 3x^{3} + 2x^{2} + 1)}{(x - 1)(x + 1)(x^{2} + 1)(2x^{5} - 2x^{4} + x^{3} - x^{2} - x + 3)}$$

Sequence: A183042
Score: 5.96583
Type of gen. func.: ogf

$$\frac{2x(x^{13} - x^{9} - 3x^{7} - x^{6} - 4x^{2} - 3x - 3)}{(x^{2} + 1)(x + 1)(x^{2} + x + 1)^{2}(x - 1)^{3}}$$

Sequence: A183044
Score: 4.26528
Type of gen. func.: ogf

10 9 8 7 6 5 4 3 2

$$\frac{x (2 x + 2 x - 2 x - 4 x - 5 x - x + x - 2 x - 5 x - 7 x - 5)}{(x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A183046
Score: 5.43602
Type of gen. func.: ogf

$$\frac{x (4 x^8 + 2 x^7 - 8 x^6 - 7 x^5 + 5 x^3 - 3 x^2 - 12 x - 7)}{(x^2 + x + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A183047
Score: 4.43366
Type of gen. func.: ogf

$$- \frac{4 x (2 x^8 + 2 x^7 - 4 x^6 - 5 x^5 - 2 x^4 - x^3 - 5 x^2 - 8 x - 5)}{(x^2 + x + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A183048
Score: 4.67237
Type of gen. func.: ogf

$$\frac{4 x (2 x^8 + 2 x^7 - 4 x^6 - 5 x^5 - 2 x^4 - x^3 - 5 x^2 - 8 x - 5)}{(x^2 + x + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A183050
Score: 4.06217
Type of gen. func.: ogf

$$\frac{x (2 x^{12} - 2 x^{11} + 2 x^{10} - 4 x^9 + 2 x^8 - x^7 - x^6 - 4 x^4 - 4 x^2 - x - 3)}{(x^2 + 1) (x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A183066
Score: 14.4231

Type of gen. func.: lgdogf

$$-\frac{2\,(x^3 - 3\,x^2 - 45\,x - 13)}{(x - 1)\,(x^3 - 3\,x^2 - 21\,x - 1)}$$

Sequence: A183066
Score: 3.73701
Type of gen. func.: ogf

$$\{(7\,n^2 + 53\,n + 96)\,a(n + 1) + (-38\,n^2 - 310\,n - 624)\,a(n + 2) + (31\,n^2 + 161\,n + 204)\,a(n + 3),\ a(0) = 1,\ a(1) = 26,\ a(2) = 123\}$$

Sequence: A183066
Score: 8.02608
Type of gen. func.: ogf

$$\frac{x^3 - 3\,x^2 - 21\,x - 1}{(x - 1)^5}$$

Sequence: A183111
Score: 10.3787
Type of gen. func.: ogf

$$-\frac{x\,(4\,x^3 + x^2 - 1)}{(3\,x - 1)\,(2\,x^3 + x^2 - 1)}$$

Sequence: A183111
Score: 5.46223
Type of gen. func.: lgdogf

$$-\frac{24\,x^6 + 12\,x^5 + 5\,x^4 - 12\,x^2 + 3}{(3\,x - 1)\,(2\,x^3 + x^2 - 1)\,(4\,x^3 + x^2 - 1)}$$

Sequence: A183111
Score: 5.49016
Type of gen. func.: ogf

$$-(9 f(x) + 13) (6 f(x) x^4 + f(x) x^3 + 4 x^4 - f(x) x^2 + x^3 - 3 f(x) x + f(x) - x)$$

Sequence: A183112
Score: 4.81110
Type of gen. func.: ogf

$$\frac{x (4 x^3 + x^2 - 1)}{(3 x - 1) (x - 1) (2 x^3 + x^2 - 1)}$$

Sequence: A183113
Score: 10.2864
Type of gen. func.: ogf

$$- \frac{x (2 x - 1) (x + 1)^2}{(3 x - 1) (2 x^3 + x^2 - 1)}$$

Sequence: A183113
Score: 10.2890
Type of gen. func.: lgdogf

$$- \frac{12 x^5 + 24 x^4 - 19 x^3 + 7 x^2 - 7 x + 3}{(3 x - 1) (2 x - 1) (x + 1) (2 x^3 + x^2 - 1)}$$

Sequence: A183113
Score: 4.63523
Type of gen. func.: ogf

$$\{-a(n + 5) + 3 a(n + 4) + a(n + 3) - a(n + 2) - 6 a(n + 1), a(0) = 0, a(1) = 1,$$
$$a(2) = 3, a(3) = 7, a(4) = 21\}$$

Sequence: A183113
Score: 5.48107
Type of gen. func.: ogf

$$-(3 f(x) + 4)$$

$$(6 f(x) x^4 + f(x) x^3 + 2 x^4 - f(x) x^2 + 3 x^3 - 3 f(x) x + f(x) - x)$$

Sequence: A183114
Score: 4.73593
Type of gen. func.: ogf

$$\frac{x (2 x - 1) (x + 1)^2}{(3 x - 1) (x - 1) (2 x^3 + x^2 - 1)}$$

Sequence: A183115
Score: 5.08810
Type of gen. func.: ogf

$$- \frac{x (4 x^3 + 3 x^2 - 1)}{(3 x - 1) (2 x^3 + x^2 - 1)}$$

Sequence: A183115
Score: 6.41011
Type of gen. func.: ogf

$$(116 f(x) + 9)$$

$$(6 f(x) x^4 + f(x) x^3 + 4 x^4 - f(x) x^2 + 3 x^3 - 3 f(x) x + f(x) - x)$$

Sequence: A183116
Score: 4.73593
Type of gen. func.: ogf

$$\frac{x (4 x^3 + 3 x^2 - 1)}{(3 x - 1) (x - 1) (2 x^3 + x^2 - 1)}$$

Sequence: A183117
Score: 4.54799
Type of gen. func.: ogf

$$-\frac{x (x + 1) (2 x^3 + 2 x^2 + x - 1)}{(3 x - 1) (2 x^3 + x^2 - 1)}$$

Sequence: A183118
Score: 4.31022
Type of gen. func.: ogf

$$\frac{x (x + 1) (2 x^3 + 2 x^2 + x - 1)}{(3 x - 1) (x - 1) (2 x^3 + x^2 - 1)}$$

Sequence: A183119
Score: 5.90169
Type of gen. func.: ogf

$$\frac{x (3 x^2 - 1)}{(x + 1) (3 x - 1) (x - 1)^2}$$

Sequence: A183119
Score: 6.24127
Type of gen. func.: lgdogf

$$-\frac{2 (9 x^4 + 3 x^3 - 3 x^2 - 3 x + 2)}{(x - 1) (3 x - 1) (x + 1) (3 x^2 - 1)}$$

Sequence: A183119
Score: 6.61193
Type of gen. func.: ogf

4 3 2 3

$(4 f(x) + 3) (3 f(x) x - 4 f(x) x - 2 f(x) x - 3 x + 4 f(x) x - f(x) + x)$

Sequence: A183120
Score: 7.44888
Type of gen. func.: lgdogf

$$\frac{12 x^7 - 20 x^6 - 33 x^5 + 21 x^4 - 18 x^3 + 2 x^2 + 7 x - 3}{(x - 1) (3 x - 1) (x + 1) (4 x^5 - 2 x^4 - x^3 + 3 x^2 + x - 1)}$$

Sequence: A183120
Score: 7.70661
Type of gen. func.: ogf

$$\frac{x (4 x^5 - 2 x^4 - x^3 + 3 x^2 + x - 1)}{(x + 1) (3 x - 1) (x - 1)^2}$$

Sequence: A183121
Score: 3.65343
Type of gen. func.: ogf

$$- \frac{x (4 x^5 - 2 x^4 - x^3 + 3 x^2 + x - 1)}{(3 x - 1) (x + 1) (x - 1)^3}$$

Sequence: A183122
Score: 9.18732
Type of gen. func.: ogf

$$- \frac{x (4 x^5 + 2 x^4 + 2 x^3 + 3 x^2 - 1)}{(x - 1) (3 x - 1) (x + 1)}$$

Sequence: A183123
Score: 8.55067
Type of gen. func.: ogf

5 4 3 2

$$\frac{x (4 x + 2 x + 2 x + 3 x - 1)}{(x + 1) (3 x - 1) (x - 1)^{2}}$$

Sequence: A183124
Score: 3.79780
Type of gen. func.: ogf

$$\frac{x (4 x^{7} + 2 x^{5} - x^{3} + 3 x^{2} + x - 1)}{(x + 1) (3 x - 1) (x - 1)^{2}}$$

Sequence: A183125
Score: 3.65343
Type of gen. func.: ogf

$$- \frac{x (4 x^{7} + 2 x^{5} - x^{3} + 3 x^{2} + x - 1)}{(3 x - 1) (x + 1) (x - 1)^{3}}$$

Sequence: A183139
Score: 4.39799
Type of gen. func.: ogf

$$- x (x + 1) (x^{14} + x^{12} - x^{11} + 2 x^{10} - x^{9} + x^{8} + x^{6} + x^{3} + 1) \Big/ ((x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{3})$$

Sequence: A183140
Score: 6.71043
Type of gen. func.: ogf

$$- x^{3} (x^{14} + x^{10} + x^{7} + x^{3} + 1) \Big/ ((x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{3})$$

Sequence: A183155
Score: 10.4824
Type of gen. func.: ogf

$$-\frac{4x^2-3x+1}{(2x-1)(x-1)^2}$$

Sequence: A183155
Score: 13.0379
Type of gen. func.: lgdogf

$$-\frac{8x^3-4x^2+x-1}{(x-1)(2x-1)(4x^2-3x+1)}$$

Sequence: A183155
Score: 5.70916
Type of gen. func.: ogf

{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 1, a(2) = 3}

Sequence: A183155
Score: 5.76059
Type of gen. func.: ogf

$$(f(x)-1)(2f(x)x^3-5f(x)x^2+4f(x)x+4x^2-f(x)-3x+1)$$

Sequence: A183156
Score: 11.6530
Type of gen. func.: lgdogf

$$-\frac{2(2x^4-8x^3+3x^2-x+1)}{(x-1)(2x-1)(2x^3-6x^2+3x-1)}$$

Sequence: A183156
Score: 4.07063
Type of gen. func.: ogf

$$\{(-2 n^2 - 12 n - 16) a(n + 1) + (3 n^2 + 14 n + 14) a(n + 2) + (-n^2 - 4 n - 3) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 7\}$$

Sequence: A183156
Score: 5.40461
Type of gen. func.: ogf

$$(1688 f(x) + 2997) (2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 + 2 x^3 - 5 f(x) x - 6 x^2 + f(x) + 3 x - 1)$$

Sequence: A183156
Score: 9.41003
Type of gen. func.: ogf

$$-\frac{2 x^3 - 6 x^2 + 3 x - 1}{(2 x - 1) (x - 1)^3}$$

Sequence: A183159
Score: 7.07898
Type of gen. func.: ogf

$$-\frac{3 x^4 - 10 x^3 + 2 x - 1}{(2 x - 1) (2 x + 1) (x - 1)^3}$$

Sequence: A183159
Score: 7.08699
Type of gen. func.: lgdogf

$$-\frac{12 x^6 - 56 x^5 - 37 x^4 + 20 x^3 + 2 x^2 + 4 x + 1}{(x - 1) (2 x + 1) (2 x - 1) (3 x^4 - 10 x^3 + 2 x - 1)}$$

Sequence: A183160
Score: 7.13618
Type of gen. func.: ogf

$$27 f(x)^3 x^2 + 104 f(x)^3 x - 16 f(x)^3 - 54 f(x)^2 x + 8 f(x)^2 + 7 f(x) + 1$$

Sequence: A183188
Score: 16.8832
Type of gen. func.: ogf

$$\frac{x - 1}{x^3 + 3 x - 1}$$

Sequence: A183188
Score: 21.3261
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 3 x^2 - 2}{(x - 1) (x^3 + 3 x - 1)}$$

Sequence: A183188
Score: 8.08236
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A183188
Score: 8.53643
Type of gen. func.: ogf

$$-(-1 + 3 f(x)) (f(x) x^3 + 3 f(x) x - f(x) - x + 1)$$

Sequence: A183199
Score: 13.5317

Type of gen. func.: ogf

$$-\frac{2x^2 - 3x + 3}{(x-1)^3}$$

Sequence: A183199
Score: 25.3059
Type of gen. func.: lgdogf

$$-\frac{2(x^2 - x + 3)}{(x-1)(2x^2 - 3x + 3)}$$

Sequence: A183199
Score: 7.17771
Type of gen. func.: ogf

$$(204 f(x) + 103)(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x) - 3 x + 3)$$

Sequence: A183199
Score: 7.30474
Type of gen. func.: ogf

$$\{a(n+3) - 3 a(n+2) + 3 a(n+1) - a(n), a(0) = 3, a(1) = 6, a(2) = 11\}$$

Sequence: A183207
Score: 12.6184
Type of gen. func.: lgdogf

$$-\frac{2(x^4 + 8x^3 + 6x^2 + 8x + 1)}{(x-1)(x+1)(x^3 + 5x^2 + x + 1)}$$

Sequence: A183207
Score: 8.19552
Type of gen. func.: ogf

$$-\frac{x^3+5x^2+x+1}{(x+1)^2(x-1)^3}$$

Sequence: A183223
Score: 5.69866
Type of gen. func.: ogf

$$-\frac{x^{46}-2x^{45}-x^{36}-2x^{28}+2x^{27}-2x^{19}+3x^{18}-2x^{10}+3x^{9}-x+2}{(x^{45}+x^{36}-x^{18}-x^{9}-1)(x-1)^2}$$

Sequence: A183245
Score: 11.7581
Type of gen. func.: ogf

$$\frac{17x^2-34x+9}{(4x-1)(3x-1)}$$

Sequence: A183245
Score: 12.9182
Type of gen. func.: lgdogf

$$\frac{289x^2-182x+29}{(4x-1)(3x-1)(17x^2-34x+9)}$$

Sequence: A183245
Score: 6.21182
Type of gen. func.: ogf

{a(n + 3) - 7 a(n + 2) + 12 a(n + 1), a(0) = 9, a(1) = 29, a(2) = 112}

Sequence: A183245
Score: 6.39276
Type of gen. func.: ogf

2 2

$$-(21 f(x) + 652) (12 f(x) x - 7 f(x) x - 17 x + f(x) + 34 x - 9)$$

Sequence: A183246
Score: 4.37136
Type of gen. func.: ogf

$$-(40003676 f(x) + 2087880041)$$

$$(24 f(x) x^2 - 248 x^3 - 10 f(x) x - 164 x^2 + f(x) + 234 x - 44)$$

Sequence: A183246
Score: 4.54622
Type of gen. func.: ogf

$$\{a(n + 4) - 10 a(n + 3) + 24 a(n + 2), a(0) = 44, a(1) = 206, a(2) = 1168,$$

$$a(3) = 6984\}$$

Sequence: A183246
Score: 6.87036
Type of gen. func.: lgdogf

$$\frac{2976 x^4 - 2480 x^3 + 2360 x^2 - 892 x + 103}{(6 x - 1) (4 x - 1) (124 x^3 + 82 x^2 - 117 x + 22)}$$

Sequence: A183246
Score: 8.11824
Type of gen. func.: ogf

$$\frac{2 (124 x^3 + 82 x^2 - 117 x + 22)}{(6 x - 1) (4 x - 1)}$$

Sequence: A183247
Score: 4.95174
Type of gen. func.: ogf

$$\frac{100844 x^5 + 29191 x^4 + 7150 x^3 - 17394 x^2 + 4122 x - 265}{(9 x - 1) (8 x - 1) (5 x - 1)}$$

Sequence: A183264
Score: 3.20042
Type of gen. func.: ogf

$$\frac{x (2 x + 1) (x - 2)}{(2 x - 1)^3}$$

Sequence: A183264
Score: 5.34484
Type of gen. func.: lgdogf

$$-\frac{4 x^2 - 8 x - 15}{(x - 2) (2 x + 1) (2 x - 1)}$$

Sequence: A183264
Score: 6.63512
Type of gen. func.: ogf

$$(6480 f(x) - 7469)$$

$$(8 f(x) x^3 - 12 f(x) x^2 - 2 x^3 + 6 f(x) x + 3 x^2 - f(x) + 2 x)$$

Sequence: A183275
Score: 3.34295
Type of gen. func.: ogf

$$(6 x^{12} - 10 x^{11} - 4 x^{10} + 64 x^9 - 118 x^8 + 127 x^7 - 50 x^6 + 31 x^5 - 23 x^4$$

$$+ 11 x^3 - 14 x^2 + 5 x - 1) \Big/ ((2 x - 1)^2 (x - 1)^5)$$

Sequence: A183276
Score: 3.96807
Type of gen. func.: ogf

$$-\frac{x^9 - x^8 + 3 x^7 - 4 x^6 - 5 x^5 - x^4 + 2 x^3 + 3 x^2 + 3 x + 1}{}$$

$$(x^2 + x - 1)\,(x^4 + 4 x^2 - 1)\,(x^4 - x^2 - 1)$$

Sequence: A183304
Score: 13.1556
Type of gen. func.: ogf

$$-\frac{(x + 1)^2}{x^3 + 2 x - 1}$$

Sequence: A183304
Score: 18.9900
Type of gen. func.: lgdogf

$$-\frac{x^3 + 3 x^2 - 2 x + 4}{(x + 1)\,(x^3 + 2 x - 1)}$$

Sequence: A183304
Score: 6.90342
Type of gen. func.: ogf

$$-(121 f(x) + 184)\,(f(x) x^3 + 2 f(x) x + x^2 - f(x) + 2 x + 1)$$

Sequence: A183304
Score: 7.41751
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - a(n), a(0) = 1, a(1) = 4, a(2) = 9\}$$

Sequence: A183314
Score: 4.94275
Type of gen. func.: ogf

$$(11 f(x) - 15)$$

$$(f(x) x^4 + f(x) x^3 - 3 f(x) x^2 + x^3 - f(x) x + 2 x^2 + f(x) - 3 x - 3)$$

Sequence: A183314
Score: 8.92262
Type of gen. func.: ogf

$$-\frac{x^3 + 2x^2 - 3x - 3}{x^4 + x^3 - 3x^2 - x + 1}$$

Sequence: A183314
Score: 9.10051
Type of gen. func.: lgdogf

$$-\frac{(x + 1)(x^5 + 3x^4 - 7x^3 - 9x^2 + 8x + 6)}{(x^3 + 2x^2 - 3x - 3)(x^4 + x^3 - 3x^2 - x + 1)}$$

Sequence: A183315
Score: 4.63148
Type of gen. func.: ogf

$$-\frac{x^7 - 13x^5 - 10x^4 + 21x^3 + 15x^2 - 8x - 5}{x^8 - x^7 - 13x^6 - x^5 + 21x^4 + 3x^3 - 9x^2 - x + 1}$$

Sequence: A183324
Score: 5.05878
Type of gen. func.: ogf

$(628 f(x) + 463)$

$$(f(x) x^4 - 2 f(x) x^3 + f(x) x^2 + x^3 - 2 f(x) x - x^2 + f(x) - x - 1)$$

Sequence: A183324
Score: 9.26348
Type of gen. func.: ogf

```
                    3    2
                   x  - x  - x - 1
               - -----------------------
                  4      3    2
```

$$x - 2 x + x - 2 x + 1$$

Sequence: A183324
Score: 9.99003
Type of gen. func.: lgdogf

$$-\frac{(x + 1) (x^{5} - 3 x^{4} + x^{3} + 3 x^{2} - 3 x + 3)}{(x^{3} - x^{2} - x - 1) (x^{4} - 2 x^{3} + x^{2} - 2 x + 1)}$$

Sequence: A183325
Score: 5.83847
Type of gen. func.: ogf

$$-\frac{(3 x^{5} + 2 x^{4} - 2 x^{3} - x^{2} + x - 1) (x + 1)^{2}}{3 x^{8} + 5 x^{7} - 2 x^{5} - 2 x^{3} + 2 x^{2} - 3 x + 1}$$

Sequence: A183330
Score: 4.73313
Type of gen. func.: ogf

$$(8241 f(x) + 9218)$$

$$(f(x) x^{4} - f(x) x^{3} - 2 f(x) x^{2} + 2 x^{3} - f(x) x - x^{2} + f(x) - 6 x - 1)$$

Sequence: A183330
Score: 8.50300
Type of gen. func.: lgdogf

$$-\frac{2 x^{6} - 2 x^{5} - 13 x^{4} + 12 x^{3} + 8 x^{2} + 6 x + 7}{(2 x^{3} - x^{2} - 6 x - 1) (x^{4} - x^{3} - 2 x^{2} - x + 1)}$$

Sequence: A183330
Score: 8.79012
Type of gen. func.: ogf

3   2

$$-\frac{2 x - x - 6 x - 1}{x^{4} - x^{3} - 2 x^{2} - x + 1}$$

Sequence: A183331
Score: 4.89940
Type of gen. func.: ogf

$$-\frac{2 (2 x^{7} + 4 x^{6} - 3 x^{4} + x^{3} - 2 x^{2} - 3 x - 1)}{x^{9} + 3 x^{8} + x^{7} - 3 x^{6} - x^{5} - 3 x^{3} - x^{2} - 2 x + 1}$$

Sequence: A183336
Score: 8.84412
Type of gen. func.: ogf

$$-\frac{(x^{2} - x - 1) (x + 1)^{2}}{x^{5} - 2 x^{3} - x^{2} - x + 1}$$

Sequence: A183336
Score: 9.58135
Type of gen. func.: lgdogf

$$-\frac{x^{7} + x^{6} - 5 x^{5} - 5 x^{4} + 8 x^{3} + 2 x^{2} + 2 x + 4}{(x + 1) (x^{2} - x - 1) (x^{5} - 2 x^{3} - x^{2} - x + 1)}$$

Sequence: A183337
Score: 5.39274
Type of gen. func.: ogf

$$-\frac{x^{7} + 2 x^{6} + x^{5} - x^{4} - 2 x^{3} - 6 x^{2} - 5 x - 1}{x^{8} + x^{7} - x^{5} - 2 x^{4} - 5 x^{3} - x^{2} - x + 1}$$

Sequence: A183344
Score: 11.8652

Type of gen. func.: ogf

$$-\frac{x^2 + 6 x + 1}{x^3 + x^2 + x - 1}$$

Sequence: A183344
Score: 13.9175
Type of gen. func.: lgdogf

$$-\frac{(x + 1) (x^3 + 11 x^2 - 3 x + 7)}{(x^2 + 6 x + 1) (x^3 + x^2 + x - 1)}$$

Sequence: A183344
Score: 6.34892
Type of gen. func.: ogf

$$(83 f(x) + 335) (f(x) x^3 + f(x) x^2 + f(x) x + x^2 - f(x) + 6 x + 1)$$

Sequence: A183344
Score: 6.46230
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 7, a(2) = 9}

Sequence: A183345
Score: 6.49037
Type of gen. func.: ogf

$$-\frac{x^5 + 5 x^4 + 3 x^3 - 6 x^2 - 8 x - 1}{(x^3 - x^2 - 1) (x^3 + 2 x^2 + x - 1)}$$

Sequence: A183346
Score: 4.83632
Type of gen. func.: ogf

$$-\frac{x^7+9x^6+10x^5-3x^4-17x^3-7x^2-16x-1}{x^8+2x^7+x^6-3x^5-4x^4-4x^3-x^2-x+1}$$

Sequence: A183353
Score: 2.82727
Type of gen. func.: ogf

$$\frac{256x^4-272x^3-144x^2-28x-1}{(4x+1)(4x-1)^3}$$

Sequence: A183354
Score: 14.3142
Type of gen. func.: ogf

$$-4f(x)x+f(x)-20x-4$$

Sequence: A183354
Score: 17.3277
Type of gen. func.: ogf

$$-\frac{4(1+5x)}{4x-1}$$

Sequence: A183354
Score: 18.4546
Type of gen. func.: revogf

$$-1/10-\frac{x}{10}+\frac{(x^2+7x+1)^{1/2}}{10}$$

Sequence: A183354
Score: 35.8839
Type of gen. func.: lgdogf

$$-\frac{9}{(1+5x)(4x-1)}$$

Sequence: A183354
Score: 9.01990
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1), a(0) = 4, a(1) = 36\}$$

Sequence: A183355
Score: 13.9702
Type of gen. func.: ogf

$$-3 f(x) x + f(x) - 108 x - 12$$

Sequence: A183355
Score: 16.7642
Type of gen. func.: ogf

$$-\frac{12 (9 x + 1)}{3 x - 1}$$

Sequence: A183355
Score: 17.7799
Type of gen. func.: revogf

$$-1/18 - \frac{x}{72} + \frac{(x^2 + 56 x + 16)^{1/2}}{72}$$

Sequence: A183355
Score: 34.6240
Type of gen. func.: lgdogf

$$-\frac{12}{(9 x + 1) (3 x - 1)}$$

Sequence: A183355
Score: 8.94092
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1), a(0) = 12, a(1) = 144\}$$

Sequence: A183356
Score: 4.68818
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) - 2 a(n + 2) + a(n + 1), a(0) = 36, a(1) = 576, a(2) = 1296, a(3) = 3600\}$$

Sequence: A183356
Score: 4.82507
Type of gen. func.: ogf

$$-(1091 f(x) + 165924) (f(x) x^3 - 2 f(x) x^2 + 108 x^3 - 2 f(x) x - 72 x^2 + f(x) - 504 x - 36)$$

Sequence: A183356
Score: 8.81379
Type of gen. func.: ogf

$$-\frac{36 (3 x^3 - 2 x^2 - 14 x - 1)}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A183356
Score: 9.97419
Type of gen. func.: lgdogf

$$-\frac{4 (x^4 - 4 x^3 + 3 x^2 + 2 x + 4)}{(x + 1) (x^2 - 3 x + 1) (3 x^3 - 2 x^2 - 14 x - 1)}$$

Sequence: A183357
Score: 5.67239
Type of gen. func.: ogf

$$36 (12 x^6 + 24 x^5 - 29 x^4 - 34 x^3 + 20 x^2 - 58 x - 3)$$

$$\overline{(x^{2}+1)(x^{2}+2x-1)}$$

Sequence: A183364
Score: 6.16784
Type of gen. func.: ogf

$$-\frac{(x+1)(x^{8}-2x^{5}-4x^{4}-2x^{3}+2x^{2}-3x+2)}{x^{10}-3x^{7}-4x^{6}+x^{3}+2x-1}$$

Sequence: A183382
Score: 3.79859
Type of gen. func.: ogf

$$-(x^{8}+x^{7}+3x^{6}-x^{5}-x^{3}-x^{2}-x+1)(2x^{2}-2x-1) \Big/ (2x^{11}+4x^{10}-5x^{9}-4x^{8}-6x^{7}+2x^{6}-3x^{5}+13x^{4}-6x^{3}+4x^{2}-4x+1)$$

Sequence: A183388
Score: 4.69852
Type of gen. func.: ogf

$$\frac{2(2x^{8}-2x^{7}-4x^{6}-4x^{5}-3x^{4}+x^{3}+3x^{2}+x-1)}{2x^{8}-x^{7}-x^{6}-3x^{5}-4x^{4}-x^{3}+2x^{2}+2x-1}$$

Sequence: A183389
Score: 3.50199
Type of gen. func.: ogf

$$(3x^{11}+3x^{10}-31x^{9}+6x^{8}+31x^{7}-5x^{6}+21x^{5}+35x^{4}-x^{3}-18x^{2}-3x+3) \Big/ (x^{11}+2x^{10}-10x^{9}+8x^{7}-4x^{6}+3x^{5}+11x^{4}+4x^{3}-5x^{2}-2x+1)$$

```
------------------------------------------------------------------------------

Sequence:  A183393
Score: 4.25150
Type of gen. func.: ogf


      10      9    8       7       6       5       4      3      2
2 (4 x   - 8 x  + x  - 19 x  - 13 x  + 14 x  + 20 x  + 2 x  + 5 x  - x - 1)

       /                    2              4      2
      /  ((x - 1) (x + 1) (x  - 3 x + 1) (x  + 3 x  + 1))
     /



------------------------------------------------------------------------------

Sequence:  A183399
Score: 4.34030
Type of gen. func.: ogf


              9       8       6       5       4       3      2
       2 (16 x  - 40 x  + 90 x  - 76 x  - 32 x  + 47 x  - 2 x  - 9 x + 2)
       ------------------------------------------------------------------
                   3      2                 6       4      2
               (2 x  - 5 x  + 5 x - 1) (4 x  - 10 x  + 5 x  - 1)



------------------------------------------------------------------------------

Sequence:  A183409
Score: 6.63166
Type of gen. func.: ogf


                       6    5      4      3      2
                      x  - x  - 3 x  + 2 x  + 3 x  - 3 x - 2
                    - --------------------------------------
                                       3        4
                                (x + 1)  (x - 1)



------------------------------------------------------------------------------

Sequence:  A183409
Score: 9.91939
Type of gen. func.: lgdogf


                      7    6      5      3      2
                     x  - x  - 4 x  + 5 x  - 9 x  - 11 x - 5
           - --------------------------------------------------------
                               6    5      4      3      2
               (x - 1) (x + 1) (x  - x  - 3 x  + 2 x  + 3 x  - 3 x - 2)



------------------------------------------------------------------------------

Sequence:  A183425
Score: 5.14311
Type of gen. func.: ogf


(3438225 f(x) + 6214814)

             4         3      3                 2
```

$$(4 f(x) x - f(x) x + 2 x - 4 f(x) x + 4 x + f(x) + 3 x - 3)$$

Sequence: A183425
Score: 7.68645
Type of gen. func.: lgdogf

$$-\frac{8 x^6 + 32 x^5 + 32 x^4 - 38 x^3 + 19 x^2 - 8 x + 9}{(x - 1) (4 x - 1) (x^2 + x + 1) (2 x^3 + 4 x^2 + 3 x - 3)}$$

Sequence: A183425
Score: 9.76445
Type of gen. func.: ogf

$$-\frac{2 x^3 + 4 x^2 + 3 x - 3}{(4 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A183426
Score: 5.82999
Type of gen. func.: ogf

$$-\frac{32 x^6 + 112 x^4 + 14 x^3 + 40 x - 9}{(8 x - 1) (2 x - 1) (x + 1) (x^2 - x + 1) (4 x^2 + 2 x + 1)}$$

Sequence: A183430
Score: 4.84408
Type of gen. func.: ogf

$$(14230000 f(x) + 1777623)$$

$$(9 f(x) x^3 - f(x) x^2 - 9 f(x) x + 3 x^2 + f(x) + 9 x - 4)$$

Sequence: A183430
Score: 5.22318
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) - a(n + 1) + 9 a(n), a(0) = 4, a(1) = 27, a(2) = 244\}$$

Sequence: A183430
Score: 9.05982
Type of gen. func.: lgdogf

$$-\frac{27 x^4 + 162 x^3 - 90 x^2 + 2 x + 27}{(x - 1) (9 x - 1) (x + 1) (3 x^2 + 9 x - 4)}$$

Sequence: A183430
Score: 9.84698
Type of gen. func.: ogf

$$-\frac{3 x^2 + 9 x - 4}{(x - 1) (9 x - 1) (x + 1)}$$

Sequence: A183435
Score: 11.8475
Type of gen. func.: lgdogf

$$-\frac{16 x^4 + 40 x^3 + 25 x^2 + 12 x + 7}{(4 x^2 + 5 x + 2) (4 x^3 + x^2 + x - 1)}$$

Sequence: A183435
Score: 11.8763
Type of gen. func.: ogf

$$-\frac{4 x^2 + 5 x + 2}{4 x^3 + x^2 + x - 1}$$

Sequence: A183435
Score: 6.19192
Type of gen. func.: ogf

$$(15295 f(x) - 188) (4 f(x) x^3 + f(x) x^2 + f(x) x + 4 x^2 - f(x) + 5 x + 2)$$

Sequence: A183435
Score: 6.41112
Type of gen. func.: ogf

$$\{a(n+3) - a(n+2) - a(n+1) - 4\,a(n),\ a(0) = 2,\ a(1) = 7,\ a(2) = 13\}$$

Sequence: A183436
Score: 6.13115
Type of gen. func.: ogf

$$-\frac{2x^5 + 4x^4 + 3x^3 - 7x^2 - 10x - 3}{2x^6 + 2x^5 + x^4 - 8x^3 - 3x^2 - x + 1}$$

Sequence: A183437
Score: 3.72461
Type of gen. func.: ogf

$$-\frac{7x^8 - 11x^7 - 46x^6 - 80x^5 - 63x^4 + 37x^2 + 24x + 4}{7x^9 - 18x^8 - 28x^7 - 52x^6 - 12x^5 + 15x^4 + 26x^3 + 6x^2 + x - 1}$$

Sequence: A183444
Score: 5.90442
Type of gen. func.: lgdogf

$$-\frac{4x^{10} + 16x^8 + 4x^7 - 35x^6 + 46x^5 - 144x^4 + 104x^3 + 9}{(2x^6 - 2x^5 + 7x^4 - 8x^3 + x^2 - 2x + 1)(2x^5 + 5x^3 - x^2 - 7x - 1)}$$

Sequence: A183444
Score: 6.79637
Type of gen. func.: ogf

$$-\frac{2x^5 + 5x^3 - x^2 - 7x - 1}{2x^6 - 2x^5 + 7x^4 - 8x^3 + x^2 - 2x + 1}$$

Sequence: A183445
Score: 4.42767
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^7 - x^6 - 3 x^5 - 7 x^4 + 17 x^3 + 19 x^2 - 9 x - 1)}{x^9 - x^8 - 3 x^7 - 7 x^6 + 16 x^5 + 18 x^4 - 5 x^3 - x^2 - 3 x + 1}$$

Sequence: A183467
Score: 6.18855
Type of gen. func.: lgdogf

$$-\frac{8 x^{10} + 16 x^9 + 16 x^8 + 16 x^7 - 4 x^6 - 8 x^5 - 10 x^4 - 8 x^3 + 6 x^2 + 3}{(2 x^3 - 1) (2 x^3 + 2 x - 1) (2 x^5 + 2 x^4 + 2 x^3 - x - 1)}$$

Sequence: A183467
Score: 8.23998
Type of gen. func.: ogf

$$-\frac{2 (2 x^5 + 2 x^4 + 2 x^3 - x - 1)}{(2 x^3 - 1) (2 x^3 + 2 x - 1)}$$

Sequence: A183476
Score: 6.45240
Type of gen. func.: ogf

$$-\frac{3 (12 x^5 + 12 x^4 + 6 x^3 + 2 x^2 - 2 x - 1)}{(6 x^3 - 1) (6 x^3 + 3 x - 1)}$$

Sequence: A183485
Score: 5.97403
Type of gen. func.: ogf

5 4 3 2

$$-\frac{4\,(36\,x + 36\,x + 12\,x + 6\,x - 3\,x - 1)}{(12\,x^3 + 4\,x - 1)\,(12\,x^3 - 1)}$$

Sequence: A183494
Score: 10.7936
Type of gen. func.: ogf

$$-\frac{(x + 1)\,(2\,x^2 - 1)}{(2\,x - 1)\,(2\,x^3 - 1)}$$

Sequence: A183494
Score: 5.81841
Type of gen. func.: ogf

$-(537\,f(x) + 1085)$

$$(4\,f(x)\,x^4 - 2\,f(x)\,x^3 + 2\,x^3 - 2\,f(x)\,x + 2\,x^2 + f(x) - x - 1)$$

Sequence: A183494
Score: 9.74361
Type of gen. func.: lgdogf

$$-\frac{8\,x^6 + 16\,x^5 - 16\,x^4 - 4\,x^3 + 4\,x^2 - 4\,x + 3}{(2\,x - 1)\,(x + 1)\,(2\,x^2 - 1)\,(2\,x^3 - 1)}$$

Sequence: A183495
Score: 4.34675
Type of gen. func.: ogf

$$-\frac{128\,x^8 + 256\,x^7 - 96\,x^6 - 48\,x^5 + 28\,x^4 - 4\,x^3 - 12\,x^2 - 3\,x + 3}{(2\,x + 1)\,(2\,x - 1)\,(4\,x - 1)\,(4\,x^3 - 1)\,(4\,x^3 + 1)}$$

Sequence: A183503
Score: 5.4736
Type of gen. func.: ogf

$(1304 f(x) + 2073)$

$$(9 f(x) x^4 - 3 f(x) x^3 + 9 x^3 - 3 f(x) x + 9 x^2 + f(x) - 3 x - 3)$$

Sequence: A183503
Score: 8.83117
Type of gen. func.: lgdogf

$$-\frac{27 x^6 + 54 x^5 - 36 x^4 - 12 x^3 + 9 x^2 - 6 x + 4}{(3 x - 1) (x + 1) (3 x^2 - 1) (3 x^3 - 1)}$$

Sequence: A183503
Score: 9.91596
Type of gen. func.: ogf

$$-\frac{3 (x + 1) (3 x^2 - 1)}{(3 x^3 - 1) (3 x - 1)}$$

Sequence: A183506
Score: 3.49766
Type of gen. func.: ogf

$$-\frac{3 (471033469863 x^5 + 90171081225 x^4 - 1113223225 x^3 - 900855)}{(81 x - 1) (17445684069 x^5 - 33365)}$$

Sequence: A183510
Score: 6.35091
Type of gen. func.: ogf

$$-\frac{6 x^6 + 9 x^5 - x^4 + 2 x^3 - x^2 - 2}{(x + 1) (6 x^6 - 5 x^5 + 4 x^4 - 2 x^3 + 2 x^2 - 3 x + 1)}$$

Sequence: A183547
Score: 3.60317
Type of gen. func.: ogf

$$-\frac{10 x^{9} + 9 x^{8} + 13 x^{7} + 17 x^{6} - 32 x^{5} + 10 x^{4} - 23 x^{3} + 5 x^{2} + 3}{2 x^{10} + 7 x^{9} + 4 x^{8} + 8 x^{7} - 13 x^{6} - 9 x^{4} + 4 x^{3} - 3 x^{2} + 5 x - 1}$$

Sequence: A183557
Score: 3.53811
Type of gen. func.: ogf

$$\frac{x (x^{6} + 5 x^{4} + 2 x^{3} + x^{2} + 2 x + 1)}{(x - 1) (x^{2} + 1) (x^{4} + 4 x^{2} - 1)}$$

Sequence: A183575
Score: 10.4606
Type of gen. func.: ogf

$$-(f(x) - 8) (f(x) x^{4} - 2 f(x) x^{3} - 2 x^{3} + 2 f(x) x + 2 x^{2} - f(x) + 2 x)$$

Sequence: A183575
Score: 20.2682
Type of gen. func.: ogf

$$\frac{2 (x^{2} - x - 1)}{(x + 1) (x - 1)^{3}}$$

Sequence: A183575
Score: 29.0339
Type of gen. func.: lgdogf

$$-\frac{2 x^{3} - x^{2} - 4 x - 3}{(x - 1) (x + 1) (x^{2} - x - 1)}$$

Sequence: A183586
Score: 12.0642
Type of gen. func.: ogf

$$-\frac{2(4x+3)}{12x^2+8x-1}$$

Sequence: A183586
Score: 12.0753
Type of gen. func.: revogf

$$\frac{-3-4x+((9+14x)(2x+1))^{1/2}}{4(3x+2)}$$

Sequence: A183586
Score: 13.2534
Type of gen. func.: lgdogf

$$-\frac{4(12x^2+18x+7)}{(4x+3)(12x^2+8x-1)}$$

Sequence: A183586
Score: 6.30627
Type of gen. func.: ogf

$$(37 f(x) - 26)(12 f(x) x^2 + 8 f(x) x - f(x) + 8x + 6)$$

Sequence: A183586
Score: 6.60656
Type of gen. func.: ogf

$$\{a(n+2) - 8 a(n+1) - 12 a(n), a(0) = 6, a(1) = 56\}$$

Sequence: A183587
Score: 3.05645
Type of gen. func.: ogf

$$(24038915665 f(x) + 346337384222) (192 f(x) x^4 - 296 f(x) x^3 - 30 f(x) x^2 + 512 x^3 + 24 f(x) x - 772 x^2 - f(x) - 101 x + 56)$$

Sequence: A183587
Score: 5.80727
Type of gen. func.: ogf

$$-\frac{512 x^3 - 772 x^2 - 101 x + 56}{192 x^4 - 296 x^3 - 30 x^2 + 24 x - 1}$$

Sequence: A183596
Score: 4.00986
Type of gen. func.: ogf

$$(1490785 f(x) + 824859) (2 f(x) x^4 - 16 f(x) x^3 - 3 f(x) x^2 + 9 x^3 + 8 f(x) x - 72 x^2 - f(x) - 12 x + 27)$$

Sequence: A183596
Score: 6.22626
Type of gen. func.: lgdogf

$$-\frac{6 x^6 - 96 x^5 + 369 x^4 + 152 x^3 - 219 x^2 - 102 x + 68}{(3 x^3 - 24 x^2 - 4 x + 9) (2 x^4 - 16 x^3 - 3 x^2 + 8 x - 1)}$$

Sequence: A183596
Score: 7.52468
Type of gen. func.: ogf

$$-\frac{3 (3 x^3 - 24 x^2 - 4 x + 9)}{2 x^4 - 16 x^3 - 3 x^2 + 8 x - 1}$$

Sequence: A183597
Score: 3.38077
Type of gen. func.: ogf

$$-\frac{3024 x^{6} - 5400 x^{5} - 4094 x^{4} + 5338 x^{3} + 2974 x^{2} - 39 x - 120}{224 x^{7} - 400 x^{6} - 324 x^{5} + 420 x^{4} + 238 x^{3} - 20 x^{2} - 12 x + 1}$$

Sequence: A183611
Score: 12.7592
Type of gen. func.: revegf]

$$2/3\ 3^{1/2} \exp(- x/2) \sin\left(\frac{3^{1/2} x}{2}\right)$$

Sequence: A183615
Score: 11.5615
Type of gen. func.: ogf

$$-\frac{2 (8 x - 3)}{24 x^{2} - 12 x + 1}$$

Sequence: A183615
Score: 12.6370
Type of gen. func.: revogf

$$-\frac{-3 - 6 x + (12 x^{2} + 20 x + 9)^{1/2}}{8 (3 x + 2)}$$

Sequence: A183615
Score: 12.9378
Type of gen. func.: lgdogf

$$-\frac{4 (48 x^{2} - 36 x + 7)}{(8 x - 3) (24 x^{2} - 12 x + 1)}$$

Sequence: A183615
Score: 5.96722
Type of gen. func.: ogf

$$-(6 f(x) + 13) (24 f(x) x^2 - 12 f(x) x + f(x) + 16 x - 6)$$

Sequence: A183615
Score: 6.52884
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 24 a(n), a(0) = 6, a(1) = 56\}$$

Sequence: A183616
Score: 3.24596
Type of gen. func.: ogf

$$-(130393 f(x) + 394318) (192 f(x) x^4 - 112 f(x) x^3 - 84 f(x) x^2 + 512 x^3 + 21 f(x) x - 272 x^2 - f(x) - 228 x + 36)$$

Sequence: A183616
Score: 5.91486
Type of gen. func.: ogf

$$-\frac{4 (128 x^3 - 68 x^2 - 57 x + 9)}{(12 x^2 + 5 x - 1) (16 x^2 - 16 x + 1)}$$

Sequence: A183624
Score: 10.3499
Type of gen. func.: ogf

$$-\frac{54 x^2 - 69 x + 19}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A183624
Score: 5.33925
Type of gen. func.: ogf

$-(1027 f(x) + 20862)$

$(6 f(x) x^3 - 11 f(x) x^2 + 6 f(x) x + 54 x^2 - f(x) - 69 x + 19)$

Sequence: A183624
Score: 5.74997
Type of gen. func.: ogf

$\{-a(n + 3) + 6 a(n + 2) - 11 a(n + 1) + 6 a(n), a(0) = 19, a(1) = 45,$

$a(2) = 115\}$

Sequence: A183624
Score: 8.79827
Type of gen. func.: lgdogf

$$- \frac{324 x^4 - 828 x^3 + 777 x^2 - 310 x + 45}{(x - 1) (3 x - 1) (2 x - 1) (54 x^2 - 69 x + 19)}$$

Sequence: A183625
Score: 10.0890
Type of gen. func.: ogf

$$- \frac{3 (54 x^2 - 61 x + 15)}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A183625
Score: 5.36479
Type of gen. func.: ogf

$-(113 f(x) + 6795)$

$(6 f(x) x^3 - 11 f(x) x^2 + 6 f(x) x + 162 x^2 - f(x) - 183 x + 45)$

Sequence: A183625
Score: 5.77748
Type of gen. func.: ogf

$\{-a(n+3) + 6\,a(n+2) - 11\,a(n+1) + 6\,a(n),\ a(0) = 45,\ a(1) = 87,$

$a(2) = 189\}$

Sequence: A183625
Score: 8.84119
Type of gen. func.: lgdogf

$$-\frac{324 x^4 - 732 x^3 + 617 x^2 - 222 x + 29}{(x - 1) (3 x - 1) (2 x - 1) (54 x^2 - 61 x + 15)}$$

Sequence: A183626
Score: 4.68469
Type of gen. func.: ogf

$-(810143 f(x) - 235855386)$

$(6 f(x) x^3 - 11 f(x) x^2 + 6 f(x) x + 486 x^2 - f(x) - 501 x + 115)$

Sequence: A183626
Score: 5.31455
Type of gen. func.: ogf

$\{-a(n+3) + 6\,a(n+2) - 11\,a(n+1) + 6\,a(n),\ a(0) = 115,\ a(1) = 189,$

$a(2) = 355\}$

Sequence: A183626
Score: 7.46650
Type of gen. func.: lgdogf

$$-\frac{2916 x^4 - 6012 x^3 + 4665 x^2 - 1558 x + 189}{(x - 1) (3 x - 1) (2 x - 1) (486 x^2 - 501 x + 115)}$$

Sequence: A183626
Score: 9.30047
Type of gen. func.: ogf

$$-\frac{486 x^{2} - 501 x + 115}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A183627
Score: 4.85199
Type of gen. func.: ogf

$-(737 f(x) - 557397)$

$(6 f(x) x^{3} - 11 f(x) x^{2} + 6 f(x) x + 1458 x^{2} - f(x) - 1407 x + 309)$

Sequence: A183627
Score: 5.34126
Type of gen. func.: ogf

$\{-a(n + 3) + 6 a(n + 2) - 11 a(n + 1) + 6 a(n), a(0) = 309, a(1) = 447,$

$a(2) = 741\}$

Sequence: A183627
Score: 7.50479
Type of gen. func.: lgdogf

$$-\frac{2916 x^{4} - 5628 x^{3} + 4097 x^{2} - 1294 x + 149}{(x - 1) (3 x - 1) (2 x - 1) (486 x^{2} - 469 x + 103)}$$

Sequence: A183627
Score: 9.08014
Type of gen. func.: ogf

$$-\frac{3 (486 x^{2} - 469 x + 103)}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A183628
Score: 4.59804
Type of gen. func.: ogf

$-(21805747 f(x) - 38755727298)$

$$(6 f(x) x^3 - 11 f(x) x^2 + 6 f(x) x + 4374 x^2 - f(x) - 4029 x + 859)$$

Sequence: A183628
Score: 5.35803
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 11 a(n + 1) + 6 a(n), a(0) = 859, a(1) = 1125,$$
$$a(2) = 1675\}$$

Sequence: A183628
Score: 7.14169
Type of gen. func.: lgdogf

$$- \frac{26244 x^4 - 48348 x^3 + 33537 x^2 - 10150 x + 1125}{(x - 1) (3 x - 1) (2 x - 1) (4374 x^2 - 4029 x + 859)}$$

Sequence: A183628
Score: 9.26174
Type of gen. func.: ogf

$$- \frac{4374 x^2 - 4029 x + 859}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A183629
Score: 4.31408
Type of gen. func.: ogf

$$-(824873 f(x) - 3744329445)$$
$$(6 f(x) x^3 - 11 f(x) x^2 + 6 f(x) x + 13122 x^2 - f(x) - 11703 x + 2445)$$

Sequence: A183629
Score: 4.98594
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 11 a(n + 1) + 6 a(n), a(0) = 2445, a(1) = 2967,$$

a(2) = 4029}

Sequence: A183629
Score: 6.76981
Type of gen. func.: lgdogf

$$-\frac{26244 x^{4} - 46812 x^{3} + 31337 x^{2} - 9182 x + 989}{(x - 1) (3 x - 1) (2 x - 1) (4374 x^{2} - 3901 x + 815)}$$

Sequence: A183629
Score: 8.33267
Type of gen. func.: ogf

$$-\frac{3 (4374 x^{2} - 3901 x + 815)}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A183630
Score: 3.98511
Type of gen. func.: ogf

$$-(4716317038703 f(x) - 57782516916361626)$$

$$(6 f(x) x^{3} - 11 f(x) x^{2} + 6 f(x) x + 39366 x^{2} - f(x) - 34341 x + 7075)$$

Sequence: A183630
Score: 5.02189
Type of gen. func.: ogf

{-a(n + 3) + 6 a(n + 2) - 11 a(n + 1) + 6 a(n), a(0) = 7075, a(1) = 8109,

a(2) = 10195}

Sequence: A183630
Score: 6.30364
Type of gen. func.: lgdogf

$$-\frac{236196 x^{4} - 412092 x^{3} + 268905 x^{2} - 76918 x + 8109}{^{2}}$$

$$(x - 1) (3 x - 1) (2 x - 1) (39366 x - 34341 x + 7075)$$

Sequence: A183630
Score: 8.46153
Type of gen. func.: ogf

$$-\frac{39366 x^{2} - 34341 x + 7075}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A183631
Score: 4.11279
Type of gen. func.: ogf

$$-(22354107617 f(x) - 765371098188477)$$

$$(6 f(x) x^{3} - 11 f(x) x^{2} + 6 f(x) x + 118098 x^{2} - f(x) - 101487 x + 20709)$$

Sequence: A183631
Score: 5.06695
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 11 a(n + 1) + 6 a(n), a(0) = 20709, a(1) = 22767,$$

$$a(2) = 26901\}$$

Sequence: A183631
Score: 6.53502
Type of gen. func.: lgdogf

$$-\frac{236196 x^{4} - 405948 x^{3} + 260177 x^{2} - 73134 x + 7589}{(x - 1) (3 x - 1) (2 x - 1) (39366 x^{2} - 33829 x + 6903)}$$

Sequence: A183631
Score: 8.33380
Type of gen. func.: ogf

$$-\frac{3 (39366 x^{2} - 33829 x + 6903)}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A183634
Score: 3.94108
Type of gen. func.: ogf

$$-(16981 f(x) + 52320) (24 f(x) x^4 - 50 f(x) x^3 + 35 f(x) x^2 + 384 x^3 - 10 f(x) x - 632 x^2 + f(x) + 304 x - 44)$$

Sequence: A183634
Score: 7.16559
Type of gen. func.: ogf

$$-\frac{4 (96 x^3 - 158 x^2 + 76 x - 11)}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A183635
Score: 4.00475
Type of gen. func.: ogf

$$(937 f(x) - 299936) (24 f(x) x^4 - 50 f(x) x^3 + 35 f(x) x^2 + 1536 x^3 - 10 f(x) x - 2312 x^2 + f(x) + 1020 x - 136)$$

Sequence: A183635
Score: 5.24698
Type of gen. func.: lgdogf

$$-\frac{9216 x^6 - 27744 x^5 + 33820 x^4 - 21084 x^3 + 7093 x^2 - 1224 x + 85}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1) (384 x^3 - 578 x^2 + 255 x - 34)}$$

Sequence: A183635
Score: 6.92124
Type of gen. func.: ogf

$$4 (384 x^3 - 578 x^2 + 255 x - 34)$$

$$-\frac{\qquad}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A183636
Score: 3.7164
Type of gen. func.: ogf

$$-(57898931 f(x) - 27621220512) (24 f(x) x^{4} - 50 f(x) x^{3} + 35 f(x) x^{2} + 6144 x^{3} - 10 f(x) x - 8600 x^{2} + f(x) + 3568 x - 452)$$

Sequence: A183636
Score: 6.98843
Type of gen. func.: ogf

$$-\frac{4 (1536 x^{3} - 2150 x^{2} + 892 x - 113)}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A183637
Score: 3.44466
Type of gen. func.: ogf

$$-(1912727 f(x) - 6349175904) (24 f(x) x^{4} - 50 f(x) x^{3} + 35 f(x) x^{2} + 24576 x^{3} - 10 f(x) x - 32456 x^{2} + f(x) + 12876 x - 1576)$$

Sequence: A183637
Score: 6.27932
Type of gen. func.: ogf

$$-\frac{4 (6144 x^{3} - 8114 x^{2} + 3219 x - 394)}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A183638
Score: 3.27245
Type of gen. func.: ogf

$${}^{4} \qquad\qquad {}^{3}$$

$$(84478457370851 f(x) - 915950459578248480) (24 f(x) x - 50 f(x) x$$

$$+ 35 f(x) x^2 + 98304 x^3 - 10 f(x) x - 123992 x^2 + f(x) + 47584 x - 5684)$$

Sequence: A183638
Score: 6.30875
Type of gen. func.: ogf

$$- \frac{4 (24576 x^3 - 30998 x^2 + 11896 x - 1421)}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A183639
Score: 3.35059
Type of gen. func.: ogf

$$(4691558229647 f(x) - 170896319833113696) (24 f(x) x^4 - 50 f(x) x^3 + 35 f(x) x^2$$

$$+ 393216 x^3 - 10 f(x) x - 478472 x^2 + f(x) + 179100 x - 21016)$$

Sequence: A183639
Score: 6.33260
Type of gen. func.: ogf

$$- \frac{4 (98304 x^3 - 119618 x^2 + 44775 x - 5254)}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A183640
Score: 5.84461
Type of gen. func.: ogf

$$- \frac{4 (393216 x^3 - 465350 x^2 + 170932 x - 19793)}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A183644
Score: 5.19613
Type of gen. func.: ogf

$$-\frac{3000 x^4 - 5770 x^3 + 3683 x^2 - 950 x + 85}{(x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A183645
Score: 5.07751
Type of gen. func.: ogf

$$-\frac{15000 x^4 - 26930 x^3 + 16055 x^2 - 3874 x + 325}{(x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A183646
Score: 5.12493
Type of gen. func.: ogf

$$-\frac{75000 x^4 - 126970 x^3 + 71843 x^2 - 16550 x + 1333}{(x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A183647
Score: 4.64407
Type of gen. func.: ogf

$$-\frac{5 (75000 x^4 - 120826 x^3 + 65635 x^2 - 14618 x + 1145)}{(x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A183648
Score: 4.60069
Type of gen. func.: ogf

$$-\frac{1875000 x^4 - 2897770 x^3 + 1524203 x^2 - 330950 x + 25405}{(x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A183649
Score: 3.80645
Type of gen. func.: ogf

4 3 2

$$-\frac{9375000 x - 13997330 x + 7175735 x - 1527874 x + 115525}{(x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A183654
Score: 4.05633
Type of gen. func.: ogf

$$-\frac{2 (12960 x^5 - 27792 x^4 + 21234 x^3 - 7409 x^2 + 1200 x - 73)}{(x - 1) (6 x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A183655
Score: 4.02607
Type of gen. func.: ogf

$$-\frac{6 (25920 x^5 - 52584 x^4 + 37994 x^3 - 12543 x^2 + 1924 x - 111)}{(x - 1) (6 x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A183656
Score: 3.63689
Type of gen. func.: ogf

$$-\frac{2 (466560 x^5 - 901512 x^4 + 622938 x^3 - 197411 x^2 + 29172 x - 1627)}{(x - 1) (6 x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A183657
Score: 3.66854
Type of gen. func.: ogf

$$-\frac{6 (933120 x^5 - 1728024 x^4 + 1151450 x^3 - 353635 x^2 + 50860 x - 2771)}{(x - 1) (6 x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A183658
Score: 3.31131
Type of gen. func.: ogf

$$- 2 (16796160 x^5 - 29979432 x^4 + 19388154 x^3 - 5809499 x^2 + 818580 x - 43843)/($$

$$(x - 1) (6 x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (5 x - 1))$$

Sequence: A183664
Score: 3.23921
Type of gen. func.: ogf

$$- \frac{246960 x^6 - 574812 x^5 + 499000 x^4 - 211729 x^3 + 47033 x^2 - 5243 x + 231}{(x - 1) (6 x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A183665
Score: 3.19378
Type of gen. func.: ogf

$$- (1728720 x^6 - 3842244 x^5 + 3182536 x^4 - 1288407 x^3 + 273175 x^2 - 29085 x + 1225)/((x - 1) (6 x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (7 x - 1) (5 x - 1))$$

Sequence: A183666
Score: 3.20116
Type of gen. func.: ogf

$$- (12101040 x^6 - 25807068 x^5 + 20565592 x^4 - 8030449 x^3 + 1646297 x^2 - 169883 x + 6951)/((x - 1) (6 x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (7 x - 1) (5 x - 1))$$

Sequence: A183682
Score: 14.0722
Type of gen. func.: ogf

$$- \frac{4 (5 x + 3)}{4 x^2 + x - 1}$$

Sequence: A183682
Score: 15.8137
Type of gen. func.: revogf

$$\frac{-12 - x + ((4 + x) (17 x + 36))^{1/2}}{8 (5 + x)}$$

Sequence: A183682
Score: 18.0101
Type of gen. func.: lgdogf

$$- \frac{4 (5 x^2 + 6 x + 2)}{(5 x + 3) (4 x^2 + x - 1)}$$

Sequence: A183682
Score: 6.96204
Type of gen. func.: ogf

$$-(123 f(x) - 452) (4 f(x) x^2 + f(x) x - f(x) + 20 x + 12)$$

Sequence: A183682
Score: 7.87374
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - 4 a(n), a(0) = 12, a(1) = 32\}$$

Sequence: A183683
Score: 5.63379
Type of gen. func.: ogf

$$(3161 f(x) - 54384) (16 f(x) x^3 + 13 f(x) x^2 + 208 x^2 - f(x) + 208 x + 48)$$

Sequence: A183683
Score: 5.96847
Type of gen. func.: ogf

$$\{-a(n + 3) + 13 a(n + 1) + 16 a(n), a(0) = 48, a(1) = 208, a(2) = 832\}$$

Sequence: A183683
Score: 8.55995
Type of gen. func.: lgdogf

$$-\frac{208 x^4 + 416 x^3 + 313 x^2 + 104 x + 13}{(13 x^2 + 13 x + 3) (16 x^3 + 13 x^2 - 1)}$$

Sequence: A183683
Score: 9.41898
Type of gen. func.: ogf

$$-\frac{16 (13 x^2 + 13 x + 3)}{16 x^3 + 13 x^2 - 1}$$

Sequence: A183684
Score: 3.53333
Type of gen. func.: ogf

$$-(1069 f(x) + 102572) (72 f(x) x^4 + 20 f(x) x^3 - 18 f(x) x^2 + 1504 x^3$$
$$- 3 f(x) x + 624 x^2 + f(x) - 240 x - 96)$$

Sequence: A183684
Score: 5.27195
Type of gen. func.: lgdogf

$$-\frac{3 (2256 x^6 + 1872 x^5 - 256 x^4 - 588 x^3 - 85 x^2 + 46 x + 11)}{(2 x + 1) (94 x^3 + 39 x^2 - 15 x - 6) (36 x^3 - 8 x^2 - 5 x + 1)}$$

Sequence: A183684
Score: 6.42423
Type of gen. func.: ogf

$$-\frac{16 (94 x^3 + 39 x^2 - 15 x - 6)}{(2 x + 1) (36 x^3 - 8 x^2 - 5 x + 1)}$$

Sequence: A183685
Score: 3.07785
Type of gen. func.: ogf

$$-16\,(17344\,x^{7}+4668\,x^{6}-8058\,x^{5}-2127\,x^{4}+1123\,x^{3}+287\,x^{2}-49\,x-12)\Big/\left(8192\,x^{8}+1392\,x^{7}-4232\,x^{6}-612\,x^{5}+720\,x^{4}+78\,x^{3}-48\,x^{2}-3\,x+1\right)$$

Sequence: A183690
Score: 12.5922
Type of gen. func.: ogf

$$-\frac{2\,(32\,x+25)}{8\,x^{2}+5\,x-1}$$

Sequence: A183690
Score: 12.6099
Type of gen. func.: revogf

$$\frac{-50-5\,x+(57\,x^{2}+756\,x+2500)^{1/2}}{16\,(8+x)}$$

Sequence: A183690
Score: 13.1831
Type of gen. func.: lgdogf

$$-\frac{256\,x^{2}+400\,x+157}{(32\,x+25)\,(8\,x^{2}+5\,x-1)}$$

Sequence: A183690
Score: 6.36379
Type of gen. func.: ogf

$$(1185 f(x) - 9952) (8 f(x) x^2 + 5 f(x) x - f(x) + 64 x + 50)$$

Sequence: A183690
Score: 6.96273
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) - 8 a(n), a(0) = 50, a(1) = 314\}$$

Sequence: A183691
Score: 2.66461
Type of gen. func.: ogf

$$-(1778051721352341 f(x) + 47500088992915312) (208 f(x) x^4 - 74 f(x) x^3 - 91 f(x) x^2 + 4576 x^3 - 8 f(x) x - 1332 x^2 + f(x) - 2082 x - 314)$$

Sequence: A183691
Score: 5.41610
Type of gen. func.: ogf

$$-\frac{2 (2288 x^3 - 666 x^2 - 1041 x - 157)}{208 x^4 - 74 x^3 - 91 x^2 - 8 x + 1}$$

Sequence: A183702
Score: 10.3508
Type of gen. func.: lgdogf

$$-\frac{360 x^2 + 384 x + 103}{(15 x + 8) (24 x^2 + 11 x - 1)}$$

Sequence: A183702
Score: 4.86344
Type of gen. func.: ogf

$$(1517 f(x) - 36648) (24 f(x) x^2 + 11 f(x) x - f(x) + 360 x + 192)$$

Sequence: A183702
Score: 5.35525
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) - 24 a(n), a(0) = 192, a(1) = 2472\}$$

Sequence: A183702
Score: 9.13303
Type of gen. func.: revogf

$$\frac{-192 - 11 x + ((7 x + 96) (31 x + 384))^{1/2}}{48 (15 + x)}$$

Sequence: A183702
Score: 9.34543
Type of gen. func.: ogf

$$-\frac{24 (15 x + 8)}{24 x^2 + 11 x - 1}$$

Sequence: A183703
Score: 4.90358
Type of gen. func.: ogf

$$-\frac{24 (9747 x^3 - 3561 x^2 - 1539 x - 103)}{4104 x^4 - 1587 x^3 - 617 x^2 - 29 x + 1}$$

Sequence: A183712
Score: 11.5767
Type of gen. func.: lgdogf

$$-\frac{2 x^4 - 4 x^3 - 7 x^2 + 6 x + 17}{(2 x^2 - 2 x - 5) (x^3 - x^2 - 3 x + 1)}$$

Sequence: A183712
Score: 11.9642
Type of gen. func.: ogf

$$-\frac{2x^2-2x-5}{x^3-x^2-3x+1}$$

Sequence: A183712
Score: 6.03152
Type of gen. func.: ogf

$$-(5435 f(x) + 5249) (f(x) x^3 - f(x) x^2 - 3 f(x) x + 2 x^2 + f(x) - 2 x - 5)$$

Sequence: A183712
Score: 6.40188
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) - a(n + 1) + a(n), a(0) = 5, a(1) = 17, a(2) = 54}

Sequence: A183713
Score: 5.94879
Type of gen. func.: ogf

$$-\frac{2 (2 x^5 - 4 x^4 - 19 x^3 - 2 x^2 + 15 x + 6)}{(x - 1) (x + 1) (x^4 - 2 x^3 - 9 x^2 - 2 x + 1)}$$

Sequence: A183721
Score: 5.66209
Type of gen. func.: ogf

$$\frac{x (x^2 - 2 x - 1)^2}{(x + 1) (2 x^2 - 5 x + 1) (x^3 - 2 x^2 - 4 x + 1)}$$

Sequence: A183721

Score: 5.90664
Type of gen. func.: lgdogf

$$-\frac{4x^7-23x^6+30x^5+36x^4-44x^3-45x^2-42x+12}{(x+1)(2x^2-5x+1)(x^2-2x-1)(x^3-2x^2-4x+1)}$$

Sequence: A183766
Score: 3.02848
Type of gen. func.: ogf

$$\{(-2304n^3-17280n^2-42944n-35360)a(n+1)$$

$$+(9n^3+72n^2+191n+168)a(n+2),\ a(0)=40,\ a(1)=7392\}$$

Sequence: A183767
Score: 4.06208
Type of gen. func.: ogf

$$\{(-64n^2-320n-396)a(n+1)+(2n^2+11n+15)a(n+2),\ a(0)=12,$$

$$a(1)=280\}$$

Sequence: A183767
Score: 7.95750
Type of gen. func.: revogf

$$-\frac{-3-24x-32x^3-8x^4-44x^2+(8x^2+16x+9)^{1/2}}{256(x+1)^4}$$

Sequence: A183769
Score: 2.82447
Type of gen. func.: ogf

$$\{(-1152n^3-8640n^2-21472n-17680)a(n+1)$$

$$+(9n^3+72n^2+191n+168)a(n+2),\ a(0)=160,\ a(1)=14784\}$$

Sequence: A183774
Score: 15.0876
Type of gen. func.: ogf

$$-\frac{8x+5}{4x^2+x-1}$$

Sequence: A183774
Score: 16.6440
Type of gen. func.: revogf

$$\frac{-5-x+((17x+25)(x+1))^{1/2}}{8(x+2)}$$

Sequence: A183774
Score: 17.9935
Type of gen. func.: lgdogf

$$-\frac{32x^2+40x+13}{(8x+5)(4x^2+x-1)}$$

Sequence: A183774
Score: 7.80394
Type of gen. func.: ogf

$$(53 f(x) - 96) (4 f(x) x^2 + f(x) x - f(x) + 8 x + 5)$$

Sequence: A183774
Score: 8.18004
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - 4 a(n), a(0) = 5, a(1) = 13\}$$

Sequence: A183775
Score: 10.0037
Type of gen. func.: ogf

$$-\frac{32 x^2 - 8 x - 13}{8 x^3 - 4 x^2 - 3 x + 1}$$

Sequence: A183775
Score: 5.00186
Type of gen. func.: ogf

$-(13835 f(x) + 109616)$

$$(8 f(x) x^3 - 4 f(x) x^2 - 3 f(x) x + 32 x^2 + f(x) - 8 x - 13)$$

Sequence: A183775
Score: 5.43304
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) - 4 a(n + 1) + 8 a(n), a(0) = 13, a(1) = 47, a(2) = 161\}$

Sequence: A183775
Score: 8.82416
Type of gen. func.: lgdogf

$$-\frac{256 x^4 - 128 x^3 - 184 x^2 + 40 x + 47}{(32 x^2 - 8 x - 13) (8 x^3 - 4 x^2 - 3 x + 1)}$$

Sequence: A183776
Score: 5.05783
Type of gen. func.: ogf

$$-\frac{512 x^5 + 280 x^4 - 494 x^3 - 186 x^2 + 95 x + 33}{(2 x + 1) (32 x^5 - 4 x^4 - 33 x^3 + 10 x^2 + 4 x - 1)}$$

Sequence: A183784
Score: 4.92349
Type of gen. func.: ogf

$(176 f(x) - 849)$

$$(24 f(x) x^3 + 24 f(x) x^2 + 3 f(x) x + 108 x^2 - f(x) + 123 x + 31)$$

Sequence: A183784
Score: 5.00555
Type of gen. func.: ogf

$\{-a(n + 3) + 3 a(n + 2) + 24 a(n + 1) + 24 a(n), a(0) = 31, a(1) = 216,$

$a(2) = 1500\}$

Sequence: A183784
Score: 7.45428
Type of gen. func.: lgdogf

$$-\frac{12 (216 x^4 + 492 x^3 + 405 x^2 + 142 x + 18)}{(108 x^2 + 123 x + 31) (24 x^3 + 24 x^2 + 3 x - 1)}$$

Sequence: A183784
Score: 8.83332
Type of gen. func.: ogf

$$-\frac{108 x^2 + 123 x + 31}{24 x^3 + 24 x^2 + 3 x - 1}$$

Sequence: A183785
Score: 3.66268
Type of gen. func.: ogf

$$-\frac{2 (9072 x^5 - 13611 x^4 + 3422 x^3 + 2049 x^2 - 480 x - 108)}{1344 x^6 - 2092 x^5 + 618 x^4 + 279 x^3 - 90 x^2 - 12 x + 1}$$

Sequence: A183794
Score: 3.10071
Type of gen. func.: ogf

$$-(316163119 f(x) - 958283856) (144 f(x) x^4 + 206 f(x) x^3 + 81 f(x) x^2 + 576 x^3 + 6 f(x) x + 866 x^2 - f(x) + 388 x + 53)$$

Sequence: A183794
Score: 5.88787
Type of gen. func.: ogf

$$-\frac{576 x^3 + 866 x^2 + 388 x + 53}{144 x^4 + 206 x^3 + 81 x^2 + 6 x - 1}$$

Sequence: A183804
Score: 4.85017
Type of gen. func.: ogf

$$-(1959 f(x) + 2719) (15 f(x) x^3 - 9 f(x) x^2 - 3 f(x) x + 11 x^2 + f(x) - 4 x - 3)$$

Sequence: A183804
Score: 5.18757
Type of gen. func.: ogf

$\{-a(n + 3) + 3 a(n + 2) + 9 a(n + 1) - 15 a(n), a(0) = 3, a(1) = 13, a(2) = 55\}$

Sequence: A183804
Score: 8.46676
Type of gen. func.: lgdogf

$$-\frac{165 x^4 - 120 x^3 - 66 x^2 + 32 x + 13}{(11 x^2 - 4 x - 3) (15 x^3 - 9 x^2 - 3 x + 1)}$$

Sequence: A183804
Score: 9.46938
Type of gen. func.: ogf

$$-\frac{11 x^2 - 4 x - 3}{15 x^3 - 9 x^2 - 3 x + 1}$$

Sequence: A183805
Score: 5.84461
Type of gen. func.: ogf

$$-\frac{98 x^4 + 108 x^3 - 116 x^2 + x + 9}{(6 x - 1) (2 x - 1) (5 x^3 + 8 x^2 - 2 x - 1)}$$

Sequence: A183813
Score: 4.06646
Type of gen. func.: ogf

$$-(1104375 f(x) + 1102744)$$

$$(330 f(x) x^3 - 120 f(x) x^2 - 15 f(x) x + 134 x^2 + f(x) - 42 x - 8)$$

Sequence: A183813
Score: 4.49978
Type of gen. func.: ogf

$\{-a(n + 3) + 15 a(n + 2) + 120 a(n + 1) - 330 a(n), a(0) = 8, a(1) = 162,$

$a(2) = 3256\}$

Sequence: A183813
Score: 6.72353
Type of gen. func.: lgdogf

$$-\frac{22110 x^4 - 13860 x^3 - 435 x^2 + 826 x + 81}{(67 x^2 - 21 x - 4) (330 x^3 - 120 x^2 - 15 x + 1)}$$

Sequence: A183813
Score: 7.95613
Type of gen. func.: ogf

$$-\frac{2\,(67\,x^{2} - 21\,x - 4)}{330\,x^{3} - 120\,x^{2} - 15\,x + 1}$$

Sequence: A183814
Score: 4.37698
Type of gen. func.: ogf

$$-\frac{8\,(7624\,x^{4} + 4218\,x^{3} - 1580\,x^{2} + 63\,x + 8)}{45920\,x^{5} + 24480\,x^{4} - 10054\,x^{3} + 560\,x^{2} + 43\,x - 1}$$

Sequence: A183821
Score: 3.73238
Type of gen. func.: ogf

$$-(64385663\,f(x) + 60519471)$$

$$(2451\,f(x)\,x^{3} - 645\,f(x)\,x^{2} - 43\,f(x)\,x + 687\,x^{2} + f(x) - 168\,x - 15)$$

Sequence: A183821
Score: 4.18027
Type of gen. func.: ogf

$$\{-a(n + 3) + 43\,a(n + 2) + 645\,a(n + 1) - 2451\,a(n),\ a(0) = 15,\ a(1) = 813,$$

$$a(2) = 43947\}$$

Sequence: A183821
Score: 5.88480
Type of gen. func.: lgdogf

$$-\frac{561279\,x^{4} - 274512\,x^{3} + 9202\,x^{2} + 5992\,x + 271}{(229\,x^{2} - 56\,x - 5)\,(2451\,x^{3} - 645\,x^{2} - 43\,x + 1)}$$

Sequence: A183821
Score: 7.25742

Type of gen. func.: ogf

$$-\frac{3\,(229\,x^{2}-56\,x-5)}{2451\,x^{3}-645\,x^{2}-43\,x+1}$$

Sequence: A183829
Score: 3.31794
Type of gen. func.: ogf

$$-\frac{552\,x^{7}+4160\,x^{6}-7906\,x^{5}-6\,x^{4}+5444\,x^{3}-2150\,x^{2}-193\,x+127}{(x-1)\,(24\,x^{7}+200\,x^{6}-186\,x^{5}-118\,x^{4}+128\,x^{3}-14\,x^{2}-7\,x+1)}$$

Sequence: A183838
Score: 3.63142
Type of gen. func.: ogf

$$-(615815959\,f(x)+8128250698)\,(18\,f(x)\,x^{4}-22\,f(x)\,x^{3}+f(x)\,x^{2}+140\,x^{3}$$
$$+5\,f(x)\,x-134\,x^{2}-f(x)-26\,x+31)$$

Sequence: A183838
Score: 7.09194
Type of gen. func.: ogf

$$-\frac{140\,x^{3}-134\,x^{2}-26\,x+31}{18\,x^{4}-22\,x^{3}+x^{2}+5\,x-1}$$

Sequence: A183857
Score: 13.1417
Type of gen. func.: lgdogf

$$-\frac{x^{6}-3\,x^{4}-8\,x^{3}-14\,x^{2}-8\,x-4}{(x-1)\,(x^{2}+x+1)\,(x^{4}-x^{3}-x^{2}-2\,x-1)}$$

Sequence: A183857
Score: 9.78133
Type of gen. func.: ogf

$$\frac{x^4 - x^3 - x^2 - 2x - 1}{(x^2 + x + 1)(x - 1)^3}$$

Sequence: A183859
Score: 13.6598
Type of gen. func.: lgdogf

$$-\frac{x^6 - 2x^3 - 10x^2 - 4x - 3}{(x - 1)(x^2 + x + 1)(x^2 - x - 1)(x^2 + 1)}$$

Sequence: A183859
Score: 9.99234
Type of gen. func.: ogf

$$\frac{(x^2 + 1)(x^2 - x - 1)}{(x^2 + x + 1)(x - 1)^3}$$

Sequence: A183861
Score: 12.3075
Type of gen. func.: ogf

$$\frac{(x^2 + 1)(x^3 - x^2 - 1)}{(x^2 + x + 1)(x - 1)^3}$$

Sequence: A183861
Score: 16.5751
Type of gen. func.: lgdogf

```
                 6      5    4      3      2
                x  + 2 x  - x  - 6 x  - 6 x  - 6 x - 2
            - -------------------------------------------
                          2        2             3    2
```

$$(x - 1) (x + 1) (x + x + 1) (x - x - 1)$$

Sequence: A183863
Score: 12.1146
Type of gen. func.: ogf

$$\frac{x^6 - x^5 - x^3 - x^2 - x - 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A183863
Score: 12.4389
Type of gen. func.: lgdogf

$$- \frac{x^{10} - 4 x^7 - 7 x^6 - 6 x^5 - 18 x^4 - 8 x^3 - 9 x^2 - 6 x - 3}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (x^6 - x^5 - x^3 - x^2 - x - 1)}$$

Sequence: A183865
Score: 8.91981
Type of gen. func.: lgdogf

$$- \frac{x^{10} - 3 x^8 - 6 x^7 - 9 x^6 - 14 x^5 - 22 x^4 - 14 x^3 - 11 x^2 - 8 x - 4}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (x^6 - x^5 - x^4 - x^3 - x^2 - 2 x - 1)}$$

Sequence: A183865
Score: 9.31560
Type of gen. func.: ogf

$$\frac{x^6 - x^5 - x^4 - x^3 - x^2 - 2 x - 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A183871
Score: 14.3581
Type of gen. func.: lgdogf

$$-\frac{3 x^{8} - 2 x^{7} - 5 x^{6} + 4 x^{5} - 14 x^{4} - 2 x^{3} - 7 x^{2} - 4 x - 3}{(x - 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} - x^{2} + x - 2)}$$

Sequence: A183871
Score: 14.7010
Type of gen. func.: ogf

$$\frac{x^{4} - x^{3} - x^{2} + x - 2}{(x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{3}}$$

Sequence: A183873
Score: 12.9374
Type of gen. func.: ogf

$$\frac{(x^{2} + 1) (x^{4} - x^{3} - 1)}{(x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{3}}$$

Sequence: A183873
Score: 13.2762
Type of gen. func.: lgdogf

$$-\frac{x^{10} + 3 x^{8} - 2 x^{7} - 5 x^{6} + 2 x^{5} - 14 x^{4} - 2 x^{3} - 7 x^{2} - 4 x - 2}{(x - 1) (x^{2} + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} - 1)}$$

Sequence: A183877
Score: 3.97744
Type of gen. func.: ogf

$$(1331882 f(x) - 13853217) (3 f(x) x^{4} - 10 f(x) x^{3} - 18 x^{4} + 12 f(x) x^{2} + 33 x^{3}$$

$$- 6 f(x) x + 3 x^{2} + f(x) - 25 x - 1)$$

Sequence: A183877

Score: 7.20358
Type of gen. func.: ogf

$$\frac{18 x^{4} - 33 x^{3} - 3 x^{2} + 25 x + 1}{(3 x - 1) (x - 1)^{3}}$$

Sequence: A183877
Score: 8.25468
Type of gen. func.: lgdogf

$$- \frac{81 x^{4} - 288 x^{3} + 318 x^{2} - 32 x - 31}{(x - 1) (3 x - 1) (18 x^{4} - 33 x^{3} - 3 x^{2} + 25 x + 1)}$$

Sequence: A183878
Score: 3.52806
Type of gen. func.: ogf

$$(384 x^{8} - 1536 x^{7} + 2040 x^{6} - 444 x^{5} - 1318 x^{4} + 1087 x^{3} - 258 x^{2} + 13 x - 4) \Big/ ((4 x - 1) (2 x - 1)^{2} (x - 1)^{4})$$

Sequence: A183879
Score: 3.00951
Type of gen. func.: ogf

$$- (960 x^{8} - 4312 x^{7} + 7204 x^{6} - 4706 x^{5} - 701 x^{4} + 1960 x^{3} - 538 x^{2} - 10 x - 1) \Big/ ((5 x - 1) (2 x - 1)^{3} (x - 1)^{4})$$

Sequence: A183885
Score: 5.61538
Type of gen. func.: lgdogf

$$\frac{450 x^{6} - 2100 x^{5} + 3995 x^{4} - 3848 x^{3} + 1724 x^{2} - 52 x - 121}{(x - 1) (3 x - 1) (150 x^{5} - 410 x^{4} + 285 x^{3} + 83 x^{2} - 115 x - 1)}$$

Sequence: A183885
Score: 6.05993
Type of gen. func.: ogf

$$-\frac{150 x^5 - 410 x^4 + 285 x^3 + 83 x^2 - 115 x - 1}{(3 x - 1) (x - 1)^3}$$

Sequence: A183886
Score: 3.60597
Type of gen. func.: ogf

$$\frac{2 (656 x^7 - 2996 x^6 + 5336 x^5 - 4469 x^4 + 1488 x^3 + x^2 - 50 x - 8)}{(4 x - 1) (2 x - 1)^2 (x - 1)^4}$$

Sequence: A183897
Score: 11.1374
Type of gen. func.: ogf

$$-\frac{(3 x^2 - 3 x - 1) (x^2 - x - 1)}{(x - 1)^3}$$

Sequence: A183897
Score: 14.2661
Type of gen. func.: lgdogf

$$\frac{3 x^4 - 12 x^3 + 19 x^2 - 6 x - 7}{(x - 1) (3 x^2 - 3 x - 1) (x^2 - x - 1)}$$

Sequence: A183897
Score: 5.83390
Type of gen. func.: ogf

{a(n + 5) - 3 a(n + 4) + 3 a(n + 3) - a(n + 2), a(0) = 1, a(1) = 7, a(2) = 17,

a(3) = 25, a(4) = 34}

Sequence: A183897
Score: 6.25973
Type of gen. func.: ogf

$$-(787 f(x) - 43233) (f(x) x^3 + 3 x^4 - 3 f(x) x^2 - 6 x^3 + 3 f(x) x - x^2 - f(x) + 4 x + 1)$$

Sequence: A183898
Score: 14.0081
Type of gen. func.: lgdogf

$$- \frac{2 (7 x^3 - 15 x^2 + 3 x + 7)}{(x - 1) (8 x^4 - 18 x^3 + 12 x^2 - 6 x + 5)}$$

Sequence: A183898
Score: 5.42401
Type of gen. func.: ogf

$$(11 f(x) - 735) (f(x) x^4 - 4 f(x) x^3 - 8 x^4 + 6 f(x) x^2 + 18 x^3 - 4 f(x) x - 12 x^2 + f(x) + 6 x - 5)$$

Sequence: A183898
Score: 9.35174
Type of gen. func.: ogf

$$\frac{8 x^4 - 18 x^3 + 12 x^2 - 6 x + 5}{(x - 1)^4}$$

Sequence: A183899
Score: 6.61903
Type of gen. func.: ogf

$$\frac{2 x^7 + 5 x^6 + 2 x^5 - 74 x^4 + 116 x^3 - 51 x^2 - 1}{(x - 1)^5}$$

Sequence: A183899
Score: 7.73011
Type of gen. func.: lgdogf

$$\frac{4 x^7 - 9 x^6 - 30 x^5 + 64 x^4 + 64 x^3 - 195 x^2 + 102 x + 5}{(x - 1) (2 x^7 + 5 x^6 + 2 x^5 - 74 x^4 + 116 x^3 - 51 x^2 - 1)}$$

Sequence: A183900
Score: 5.10593
Type of gen. func.: ogf

$$- \frac{6 x^9 - 38 x^8 + 78 x^7 - 59 x^6 + 38 x^5 - 102 x^4 + 116 x^3 - 31 x^2 - 6 x - 3}{(x - 1)^6}$$

Sequence: A183901
Score: 4.52861
Type of gen. func.: ogf

$$(33 x^9 - 102 x^8 - 60 x^7 + 548 x^6 - 649 x^5 + 72 x^4 + 302 x^3 - 150 x^2 + 6 x - 1) \Big/ (x - 1)^7$$

Sequence: A183905
Score: 12.3137
Type of gen. func.: ogf

$$\frac{2 x^3 - x^2 - x - 1}{(x - 1)^3}$$

Sequence: A183905
Score: 22.5341
Type of gen. func.: lgdogf

$$-\frac{5x^2-4x-4}{(x-1)(2x^3-x^2-x-1)}$$

Sequence: A183905
Score: 6.34061
Type of gen. func.: ogf

$$\{a(n+4)-3a(n+3)+3a(n+2)-a(n+1),\ a(0)=1,\ a(1)=4,\ a(2)=10,\ a(3)=17\}$$

Sequence: A183905
Score: 6.90766
Type of gen. func.: ogf

$$(25 f(x)-1177)(f(x)x^3-3f(x)x^2-2x^3+3f(x)x+x^2-f(x)+x+1)$$

Sequence: A183906
Score: 11.1904
Type of gen. func.: lgdogf

$$\frac{2x^5-10x^4+12x^3+6x^2-9x-5}{(x-1)(2x^5-x^4-8x^3+9x^2-3x+2)}$$

Sequence: A183906
Score: 8.58563
Type of gen. func.: ogf

$$\frac{2x^5-x^4-8x^3+9x^2-3x+2}{(x-1)^4}$$

Sequence: A183907

Score: 11.1720
Type of gen. func.: lgdogf

$$-\frac{23 x^{4} - 36 x^{3} - 12 x^{2} + 28 x + 2}{(x - 1) (4 x^{5} + 3 x^{4} - 24 x^{3} + 20 x^{2} - 3 x + 1)}$$

Sequence: A183907
Score: 7.58855
Type of gen. func.: ogf

$$-\frac{4 x^{5} + 3 x^{4} - 24 x^{3} + 20 x^{2} - 3 x + 1}{(x - 1)^{5}}$$

Sequence: A183908
Score: 5.72820
Type of gen. func.: ogf

$$-\frac{4 x^{7} - 5 x^{6} - 11 x^{5} + 10 x^{4} + 18 x^{3} - 19 x^{2} + 4 x - 2}{(x - 1)^{6}}$$

Sequence: A183908
Score: 7.20183
Type of gen. func.: lgdogf

$$\frac{4 x^{7} - 28 x^{6} + 41 x^{5} + 35 x^{4} - 94 x^{3} + 22 x^{2} + 18 x + 8}{(x - 1) (4 x^{7} - 5 x^{6} - 11 x^{5} + 10 x^{4} + 18 x^{3} - 19 x^{2} + 4 x - 2)}$$

Sequence: A183909
Score: 4.84316
Type of gen. func.: ogf

$$-\frac{4 x^{9} - 9 x^{8} - 16 x^{7} + 40 x^{6} + 3 x^{5} - 20 x^{4} - 32 x^{3} + 36 x^{2} - 6 x + 1}{(x - 1)^{7}}$$

Sequence: A183909
Score: 5.64748
Type of gen. func.: lgdogf

$$\frac{8 x^{9} - 45 x^{8} + 72 x^{7} + 72 x^{6} - 246 x^{5} + 45 x^{4} + 208 x^{3} - 84 x^{2} - 36 x - 1}{(x - 1) (4 x^{9} - 9 x^{8} - 16 x^{7} + 40 x^{6} + 3 x^{5} - 20 x^{4} - 32 x^{3} + 36 x^{2} - 6 x + 1)}$$

Sequence: A183910
Score: 3.86092
Type of gen. func.: ogf

$$- \frac{10 x^{10} - 49 x^{9} + 44 x^{8} + 129 x^{7} - 302 x^{6} + 231 x^{5} - 102 x^{4} + 85 x^{3} - 56 x^{2} + 11 x - 2}{(x - 1)^{8}}$$

Sequence: A183911
Score: 3.50075
Type of gen. func.: ogf

$$\frac{2 x^{11} + 20 x^{10} - 120 x^{9} + 147 x^{8} + 120 x^{7} - 327 x^{6} + 116 x^{5} + 80 x^{4} - 12 x^{3} - 31 x^{2} + 5 x - 1}{(x - 1)^{9}}$$

Sequence: A183918
Score: 12.8228
Type of gen. func.: ogf

$$-x^{5} - x^{3} - x^{2} - x - 1 + f(x)$$

Sequence: A183918
Score: 33.1238
Type of gen. func.: lgdogf

$$\frac{5 x^{4} + 3 x^{2} + 2 x + 1}{x^{5} + x^{3} + x^{2} + x + 1}$$

Sequence: A183919
Score: 38.2994
Type of gen. func.: lgdogf

$$\frac{11 x^{10} + 3 x^{2} + 1}{x^{11} + x^{3} + x + 1}$$

Sequence: A183920
Score: 5.58975
Type of gen. func.: ogf

$$- \frac{x^{10} - x^{9} - 2 x^{7} + x^{6} + x^{5} - 2 x^{2} - x - 1}{(x^{2} + 1) (x + 1) (x^{2} + x + 1)^{2} (x - 1)^{4}}$$

Sequence: A183928
Score: 7.10649
Type of gen. func.: ogf

$$\frac{x^{5} + x^{3} + x + 1}{(x^{2} + 1) (x + 1) (x^{2} + x + 1)^{2} (x - 1)^{4}}$$

Sequence: A183928
Score: 7.27886
Type of gen. func.: lgdogf

$$- (6 x^{10} + 7 x^{9} + 16 x^{8} + 18 x^{7} + 27 x^{6} + 37 x^{5} + 34 x^{4} + 26 x^{3} + 15 x^{2} + 4 x + 2) \Big/ ((x - 1) (x + 1) (x^{2} + 1) (x^{5} + x^{3} + x + 1) (x^{2} + x + 1))$$

Sequence: A183954
Score: 6.72222
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^9 - 3 x^8 + 4 x^7 - 3 x^6 + 2 x^5 - x^4 + x^3 - x + 1)}{(x^6 + x^3 + 1) (x^2 + x + 1) (x - 1)^3}$$

Sequence: A183963
Score: 3.50196
Type of gen. func.: ogf

$$-\frac{9 (3456 x^8 - 96 x^7 + 96 x^6 - 108 x^5 - 932 x^4 - 37 x^3 - 17 x^2 - 3 x + 9)}{(12 x^3 - 3 x^2 - 6 x + 1) (144 x^6 + 72 x^4 - 3 x^2 - 1)}$$

Sequence: A183977
Score: 3.42716
Type of gen. func.: ogf

$$-\frac{2 (4 x^3 - 5 x^2 - 2 x + 2)}{(2 x - 1) (x - 1) (2 x^2 - 1)}$$

Sequence: A183978
Score: 10.6893
Type of gen. func.: ogf

$$-\frac{12 x^3 - 9 x^2 - 6 x + 4}{(2 x - 1) (x - 1) (2 x^2 - 1)}$$

Sequence: A183978
Score: 5.93851
Type of gen. func.: ogf

$-(7 f(x) + 188)$

$$(4 f(x) x^4 - 6 f(x) x^3 + 12 x^3 + 3 f(x) x - 9 x^2 - f(x) - 6 x + 4)$$

Sequence: A183978
Score: 5.98602
Type of gen. func.: ogf

$$\{-a(n + 4) + 3 a(n + 3) - 6 a(n + 1) + 4 a(n), a(0) = 4, a(1) = 6, a(2) = 9, a(3) = 15\}$$

Sequence: A183978
Score: 8.25019
Type of gen. func.: lgdogf

$$-\frac{48 x^6 - 72 x^5 - 18 x^4 + 64 x^3 - 9 x^2 - 18 x + 6}{(x - 1) (2 x - 1) (2 x^2 - 1) (12 x^3 - 9 x^2 - 6 x + 4)}$$

Sequence: A183979
Score: 10.4410
Type of gen. func.: ogf

$$-\frac{20 x^3 - 13 x^2 - 10 x + 6}{(2 x - 1) (x - 1) (2 x^2 - 1)}$$

Sequence: A183979
Score: 5.96626
Type of gen. func.: ogf

$$(67 f(x) - 2688) (4 f(x) x^4 - 6 f(x) x^3 + 20 x^3 + 3 f(x) x - 13 x^2 - f(x) - 10 x + 6)$$

Sequence: A183979
Score: 8.01917
Type of gen. func.: lgdogf

$$-\frac{80 x^6 - 104 x^5 - 42 x^4 + 96 x^3 - 9 x^2 - 26 x + 8}{(x - 1) (2 x - 1) (2 x^2 - 1) (20 x^3 - 13 x^2 - 10 x + 6)}$$

Sequence: A183980
Score: 10.4895
Type of gen. func.: ogf

$$-\frac{32 x^{3} - 19 x^{2} - 16 x + 9}{(2 x - 1) (x - 1) (2 x^{2} - 1)}$$

Sequence: A183980
Score: 5.99401
Type of gen. func.: ogf

$$(91 f(x) - 3186)$$

$$(4 f(x) x^{4} - 6 f(x) x^{3} + 32 x^{3} + 3 f(x) x - 19 x^{2} - f(x) - 16 x + 9)$$

Sequence: A183980
Score: 7.80274
Type of gen. func.: lgdogf

$$-\frac{128 x^{6} - 152 x^{5} - 78 x^{4} + 144 x^{3} - 9 x^{2} - 38 x + 11}{(x - 1) (2 x - 1) (2 x^{2} - 1) (32 x^{3} - 19 x^{2} - 16 x + 9)}$$

Sequence: A183981
Score: 10.3937
Type of gen. func.: ogf

$$-\frac{56 x^{3} - 31 x^{2} - 28 x + 15}{(2 x - 1) (x - 1) (2 x^{2} - 1)}$$

Sequence: A183981
Score: 5.97435
Type of gen. func.: ogf

$$(97 f(x) - 5010)$$

4 3 3 2

$$(4 f(x) x - 6 f(x) x + 56 x + 3 f(x) x - 31 x - f(x) - 28 x + 15)$$

Sequence: A183981
Score: 7.67790
Type of gen. func.: lgdogf

$$-\frac{224 x^{6} - 248 x^{5} - 150 x^{4} + 240 x^{3} - 9 x^{2} - 62 x + 17}{(x - 1) (2 x - 1) (2 x^{2} - 1) (56 x^{3} - 31 x^{2} - 28 x + 15)}$$

Sequence: A183982
Score: 10.4416
Type of gen. func.: ogf

$$-\frac{96 x^{3} - 51 x^{2} - 48 x + 25}{(2 x - 1) (x - 1) (2 x^{2} - 1)}$$

Sequence: A183982
Score: 6.00188
Type of gen. func.: ogf

$$(49 f(x) - 4150)$$

$$(4 f(x) x^{4} - 6 f(x) x^{3} + 96 x^{3} + 3 f(x) x - 51 x^{2} - f(x) - 48 x + 25)$$

Sequence: A183982
Score: 7.63524
Type of gen. func.: lgdogf

$$-\frac{384 x^{6} - 408 x^{5} - 270 x^{4} + 400 x^{3} - 9 x^{2} - 102 x + 27}{(x - 1) (2 x - 1) (2 x^{2} - 1) (96 x^{3} - 51 x^{2} - 48 x + 25)}$$

Sequence: A183983
Score: 10.3005
Type of gen. func.: ogf

3 2

$$-\frac{176 x - 91 x - 88 x + 45}{(2 x - 1) (x - 1) (2 x^2 - 1)}$$

Sequence: A183983
Score: 5.77454
Type of gen. func.: ogf

$$(4843 f(x) - 740970)$$

$$(4 f(x) x^4 - 6 f(x) x^3 + 176 x^3 + 3 f(x) x - 91 x^2 - f(x) - 88 x + 45)$$

Sequence: A183983
Score: 7.55811
Type of gen. func.: lgdogf

$$-\frac{704 x^6 - 728 x^5 - 510 x^4 + 720 x^3 - 9 x^2 - 182 x + 47}{(x - 1) (2 x - 1) (176 x^3 - 91 x^2 - 88 x + 45) (2 x^2 - 1)}$$

Sequence: A183984
Score: 5.32602
Type of gen. func.: ogf

$$(16723 f(x) - 4631922)$$

$$(4 f(x) x^4 - 6 f(x) x^3 + 320 x^3 + 3 f(x) x - 163 x^2 - f(x) - 160 x + 81)$$

Sequence: A183984
Score: 6.89783
Type of gen. func.: lgdogf

$$-\frac{1280 x^6 - 1304 x^5 - 942 x^4 + 1296 x^3 - 9 x^2 - 326 x + 83}{(x - 1) (2 x - 1) (2 x^2 - 1) (320 x^3 - 163 x^2 - 160 x + 81)}$$

Sequence: A183984
Score: 9.53079
Type of gen. func.: ogf

$$-\frac{320 x^3 - 163 x^2 - 160 x + 81}{(2 x - 1) (x - 1) (2 x^2 - 1)}$$

Sequence: A183985
Score: 5.34929
Type of gen. func.: ogf

$$(61867 f(x) - 32510898)$$

$$(4 f(x) x^4 - 6 f(x) x^3 + 608 x^3 + 3 f(x) x - 307 x^2 - f(x) - 304 x + 153)$$

Sequence: A183985
Score: 6.83339
Type of gen. func.: lgdogf

$$-\frac{2432 x^6 - 2456 x^5 - 1806 x^4 + 2448 x^3 - 9 x^2 - 614 x + 155}{(x - 1) (2 x - 1) (2 x^2 - 1) (608 x^3 - 307 x^2 - 304 x + 153)}$$

Sequence: A183985
Score: 9.58705
Type of gen. func.: ogf

$$-\frac{608 x^3 - 307 x^2 - 304 x + 153}{(2 x - 1) (x - 1) (2 x^2 - 1)}$$

Sequence: A183995
Score: 3.59574
Type of gen. func.: ogf

$$- (9720 x^8 - 12420 x^7 - 6300 x^6 + 12000 x^5 - 270 x^4 - 3549 x^3 + 665 x^2 + 315 x - 81) / ((x - 1) (3 x - 1) (2 x - 1) (6 x^2 - 1) (3 x^2 - 1) (2 x^2 - 1))$$

Sequence: A183996
Score: 3.56865
Type of gen. func.: ogf

$$-3\,(7992\,x^{8} - 9252\,x^{7} - 5676\,x^{6} + 8968\,x^{5} + 234\,x^{4} - 2673\,x^{3} + 425\,x^{2} + 239\,x - 57) \Big/ ((x - 1)\,(3\,x - 1)\,(2\,x - 1)\,(6\,x^{2} - 1)\,(3\,x^{2} - 1)\,(2\,x^{2} - 1))$$

Sequence: A183997
Score: 3.50982
Type of gen. func.: ogf

$$-(56376\,x^{8} - 60804\,x^{7} - 42012\,x^{6} + 59088\,x^{5} + 3474\,x^{4} - 17685\,x^{3} + 2497\,x^{2} + 1587\,x - 361) \Big/ ((x - 1)\,(3\,x - 1)\,(2\,x - 1)\,(6\,x^{2} - 1)\,(3\,x^{2} - 1)\,(2\,x^{2} - 1))$$

Sequence: A183998
Score: 3.46696
Type of gen. func.: ogf

$$-3\,(48600\,x^{8} - 49140\,x^{7} - 37500\,x^{6} + 47992\,x^{5} + 4146\,x^{4} - 14429\,x^{3} + 1837\,x^{2} + 1299\,x - 285) \Big/ ((x - 1)\,(3\,x - 1)\,(2\,x - 1)\,(6\,x^{2} - 1)\,(3\,x^{2} - 1)\,(2\,x^{2} - 1))$$

Sequence: A184005
Score: 15.1313
Type of gen. func.: ogf

$$\frac{x^{3} - x^{2} - 2\,x - 1}{(x + 1)\,(x - 1)^{3}}$$

Sequence: A184005
Score: 21.4100

Type of gen. func.: lgdogf

$$-\frac{x^4 - 5x^2 - 10x - 4}{(x - 1)(x + 1)(x^3 - x^2 - 2x - 1)}$$

Sequence: A184005
Score: 8.35246
Type of gen. func.: ogf

$$(1350 f(x) - 8177)(f(x) x^4 - 2 f(x) x^3 - x^3 + 2 f(x) x + x^2 - f(x) + 2x + 1)$$

Sequence: A184006
Score: 4.73583
Type of gen. func.: ogf

$$(x + 1)(x^{14} + x^{13} + 2x^{11} + 2x^9 - x^8 + 3x^7 - x^6 + 2x^5 + 2x^3 + x + 1) \Big/ \Big((x^4 + x^3 + x^2 + x + 1)(x^2 + x + 1)(x^8 - x^7 + x^5 - x^4 + x^3 - x + 1)(x - 1)^2\Big)$$

Sequence: A184009
Score: 10.9292
Type of gen. func.: ogf

$$\frac{(x^2 + 1)(x^6 - x^5 - x^4 - x - 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^3}$$

Sequence: A184013
Score: 16.0846
Type of gen. func.: ogf

$$\frac{x^5 - x^4 - x - 1}{(x^4 + x^3 + x^2 + x + 1)(x - 1)^3}$$

Sequence: A184013
Score: 16.6625
Type of gen. func.: lgdogf

$$-\frac{2 x^9 - x^8 - 6 x^5 - 6 x^4 - 8 x^3 - 4 x^2 - 4 x - 3}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (x^5 - x^4 - x - 1)}$$

Sequence: A184017
Score: 11.8477
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^8 - x^7 + x^5 - x^4 - x^3 + x^2 - 1)}{(x^6 + x^3 + 1) (x^2 + x + 1) (x - 1)^3}$$

Sequence: A184018
Score: 5.62487
Type of gen. func.: ogf

$$f(x)^2 x^3 + f(x)^2 x^2 - f(x)^2 x - f(x) x^2 - f(x) x + f(x) - 1$$

Sequence: A184031
Score: 5.31917
Type of gen. func.: ogf

$-(355 f(x) + 12058)$

$(4 f(x) x^4 - 6 f(x) x^3 + 40 x^3 + 3 f(x) x - 35 x^2 - f(x) - 20 x + 16)$

Sequence: A184031
Score: 5.52695
Type of gen. func.: ogf

$\{-a(n + 4) + 3 a(n + 3) - 6 a(n + 1) + 4 a(n), a(0) = 16, a(1) = 28, a(2) = 49,$

$a(3) = 91\}$

Sequence: A184031
Score: 7.15304
Type of gen. func.: lgdogf

$$-\frac{160 x^6 - 280 x^5 - 30 x^4 + 256 x^3 - 63 x^2 - 70 x + 28}{(x - 1) (2 x - 1) (2 x^2 - 1) (40 x^3 - 35 x^2 - 20 x + 16)}$$

Sequence: A184031
Score: 9.69110
Type of gen. func.: ogf

$$-\frac{40 x^3 - 35 x^2 - 20 x + 16}{(2 x - 1) (x - 1) (2 x^2 - 1)}$$

Sequence: A184032
Score: 5.34474
Type of gen. func.: ogf

$$(15491 f(x) - 1304878)$$

$$(4 f(x) x^4 - 6 f(x) x^3 + 88 x^3 + 3 f(x) x - 59 x^2 - f(x) - 44 x + 28)$$

Sequence: A184032
Score: 7.04289
Type of gen. func.: lgdogf

$$-\frac{352 x^6 - 472 x^5 - 174 x^4 + 448 x^3 - 63 x^2 - 118 x + 40}{(x - 1) (2 x - 1) (2 x^2 - 1) (88 x^3 - 59 x^2 - 44 x + 28)}$$

Sequence: A184032
Score: 9.73768
Type of gen. func.: ogf

$$-\frac{88 x^3 - 59 x^2 - 44 x + 28}{(2 x - 1) (x - 1) (2 x^2 - 1)}$$

Sequence: A184033
Score: 5.26556
Type of gen. func.: ogf

$$(30275 f(x) - 4028572)$$

$$(4 f(x) x^4 - 6 f(x) x^3 + 172 x^3 + 3 f(x) x - 101 x^2 - f(x) - 86 x + 49)$$

Sequence: A184033
Score: 6.97246
Type of gen. func.: lgdogf

$$-\frac{688 x^6 - 808 x^5 - 426 x^4 + 784 x^3 - 63 x^2 - 202 x + 61}{(x - 1) (2 x - 1) (2 x^2 - 1) (172 x^3 - 101 x^2 - 86 x + 49)}$$

Sequence: A184033
Score: 9.47801
Type of gen. func.: ogf

$$-\frac{172 x^3 - 101 x^2 - 86 x + 49}{(2 x - 1) (x - 1) (2 x^2 - 1)}$$

Sequence: A184034
Score: 5.23834
Type of gen. func.: ogf

$$(38465 f(x) - 10323016)$$

$$(4 f(x) x^4 - 6 f(x) x^3 + 340 x^3 + 3 f(x) x - 185 x^2 - f(x) - 170 x + 91)$$

Sequence: A184034
Score: 6.64197
Type of gen. func.: lgdogf

$$-\frac{1360 x^6 - 1480 x^5 - 930 x^4 + 1456 x^3 - 63 x^2 - 370 x + 103}{{}^{2}\qquad{}^{3}\qquad{}^{2}}$$

$$(x - 1) (2 x - 1) (2 x - 1) (340 x - 185 x - 170 x + 91)$$

Sequence: A184034
Score: 9.44280
Type of gen. func.: ogf

$$-\frac{340 x^3 - 185 x^2 - 170 x + 91}{(2 x - 1) (x - 1) (2 x^2 - 1)}$$

Sequence: A184035
Score: 5.15038
Type of gen. func.: ogf

$$(633755 f(x) - 334237132)$$

$$(4 f(x) x^4 - 6 f(x) x^3 + 652 x^3 + 3 f(x) x - 341 x^2 - f(x) - 326 x + 169)$$

Sequence: A184035
Score: 6.61168
Type of gen. func.: lgdogf

$$-\frac{2608 x^6 - 2728 x^5 - 1866 x^4 + 2704 x^3 - 63 x^2 - 682 x + 181}{(x - 1) (2 x - 1) (2 x^2 - 1) (652 x^3 - 341 x^2 - 326 x + 169)}$$

Sequence: A184035
Score: 9.36434
Type of gen. func.: ogf

$$-\frac{652 x^3 - 341 x^2 - 326 x + 169}{(2 x - 1) (x - 1) (2 x^2 - 1)}$$

Sequence: A184036
Score: 5.04233
Type of gen. func.: ogf

$$(2570027 f(x) - 2694440692)$$

$$(4 f(x) x^4 - 6 f(x) x^3 + 1276 x^3 + 3 f(x) x - 653 x^2 - f(x) - 638 x + 325)$$

Sequence: A184036
Score: 6.49036
Type of gen. func.: lgdogf

$$- \frac{5104 x^6 - 5224 x^5 - 3738 x^4 + 5200 x^3 - 63 x^2 - 1306 x + 337}{(x - 1) (2 x - 1) (1276 x^3 - 653 x^2 - 638 x + 325) (2 x^2 - 1)}$$

Sequence: A184036
Score: 9.24428
Type of gen. func.: ogf

$$- \frac{1276 x^3 - 653 x^2 - 638 x + 325}{(2 x - 1) (x - 1) (2 x^2 - 1)}$$

Sequence: A184037
Score: 5.0899
Type of gen. func.: ogf

$$(203123 f(x) - 416748508) ($$

$$4 f(x) x^4 - 6 f(x) x^3 + 2476 x^3 + 3 f(x) x - 1253 x^2 - f(x) - 1238 x + 625)$$

Sequence: A184037
Score: 6.32081
Type of gen. func.: lgdogf

$$- \frac{9904 x^6 - 10024 x^5 - 7338 x^4 + 10000 x^3 - 63 x^2 - 2506 x + 637}{(x - 1) (2 x - 1) (2 x^2 - 1) (2476 x^3 - 1253 x^2 - 1238 x + 625)}$$

Sequence: A184037
Score: 9.09821
Type of gen. func.: ogf

$$-\frac{2476 x^3 - 1253 x^2 - 1238 x + 625}{(2 x - 1) (x - 1) (2 x^2 - 1)}$$

Sequence: A184038
Score: 4.72325
Type of gen. func.: ogf

$$(39164027 f(x) - 158965089292) (4 f(x) x^4 - 6 f(x) x^3 + 4876 x^3 + 3 f(x) x - 2453 x^2 - f(x) - 2438 x + 1225)$$

Sequence: A184038
Score: 5.89997
Type of gen. func.: lgdogf

$$-\frac{19504 x^6 - 19624 x^5 - 14538 x^4 + 19600 x^3 - 63 x^2 - 4906 x + 1237}{(x - 1) (2 x - 1) (2 x^2 - 1) (4876 x^3 - 2453 x^2 - 2438 x + 1225)}$$

Sequence: A184038
Score: 8.68847
Type of gen. func.: ogf

$$-\frac{4876 x^3 - 2453 x^2 - 2438 x + 1225}{(2 x - 1) (x - 1) (2 x^2 - 1)}$$

Sequence: A184041
Score: 5.61683
Type of gen. func.: ogf

$$(199 f(x) - 12824) (4 f(x) x^4 - 6 f(x) x^3 + 48 x^3 + 3 f(x) x - 32 x^2 - f(x) - 24 x + 15)$$

Sequence: A184041
Score: 7.32821
Type of gen. func.: lgdogf

$$-\frac{192 x^6 - 256 x^5 - 96 x^4 + 240 x^3 - 30 x^2 - 64 x + 21}{(x - 1) (2 x - 1) (2 x^2 - 1) (48 x^3 - 32 x^2 - 24 x + 15)}$$

Sequence: A184041
Score: 9.92564
Type of gen. func.: ogf

$$-\frac{48 x^3 - 32 x^2 - 24 x + 15}{(2 x - 1) (x - 1) (2 x^2 - 1)}$$

Sequence: A184042
Score: 5.53108
Type of gen. func.: ogf

$(4357 f(x) - 334252)$

$$(4 f(x) x^4 - 6 f(x) x^3 + 88 x^3 + 3 f(x) x - 52 x^2 - f(x) - 44 x + 25)$$

Sequence: A184042
Score: 7.18016
Type of gen. func.: lgdogf

$$-\frac{352 x^6 - 416 x^5 - 216 x^4 + 400 x^3 - 30 x^2 - 104 x + 31}{(x - 1) (2 x - 1) (2 x^2 - 1) (88 x^3 - 52 x^2 - 44 x + 25)}$$

Sequence: A184042
Score: 9.92564
Type of gen. func.: ogf

$$-\frac{88 x^3 - 52 x^2 - 44 x + 25}{(2 x - 1) (x - 1) (2 x^2 - 1)}$$

Sequence: A184043
Score: 5.43288
Type of gen. func.: ogf

$$(21277 f(x) - 2957012)$$

$$(4 f(x) x^4 - 6 f(x) x^3 + 168 x^3 + 3 f(x) x - 92 x^2 - f(x) - 84 x + 45)$$

Sequence: A184043
Score: 7.21485
Type of gen. func.: lgdogf

$$- \frac{672 x^6 - 736 x^5 - 456 x^4 + 720 x^3 - 30 x^2 - 184 x + 51}{(x - 1) (2 x - 1) (2 x^2 - 1) (168 x^3 - 92 x^2 - 84 x + 45)}$$

Sequence: A184043
Score: 9.83792
Type of gen. func.: ogf

$$- \frac{168 x^3 - 92 x^2 - 84 x + 45}{(2 x - 1) (x - 1) (2 x^2 - 1)}$$

Sequence: A184044
Score: 5.33897
Type of gen. func.: ogf

$$(83317 f(x) - 21510428)$$

$$(4 f(x) x^4 - 6 f(x) x^3 + 312 x^3 + 3 f(x) x - 164 x^2 - f(x) - 156 x + 81)$$

Sequence: A184044
Score: 6.90100
Type of gen. func.: lgdogf

$$- \frac{1248 x^6 - 1312 x^5 - 888 x^4 + 1296 x^3 - 30 x^2 - 328 x + 87}{(x - 1) (2 x - 1) (2 x^2 - 1) (312 x^3 - 164 x^2 - 156 x + 81)}$$

Sequence: A184044
Score: 9.62421
Type of gen. func.: ogf

$$-\frac{312 x^3 - 164 x^2 - 156 x + 81}{(2 x - 1) (x - 1) (2 x^2 - 1)}$$

Sequence: A184045
Score: 5.29815
Type of gen. func.: ogf

$$(329221 f(x) - 164391596)$$

$$(4 f(x) x^4 - 6 f(x) x^3 + 600 x^3 + 3 f(x) x - 308 x^2 - f(x) - 300 x + 153)$$

Sequence: A184045
Score: 6.80379
Type of gen. func.: lgdogf

$$-\frac{2400 x^6 - 2464 x^5 - 1752 x^4 + 2448 x^3 - 30 x^2 - 616 x + 159}{(x - 1) (2 x - 1) (2 x^2 - 1) (600 x^3 - 308 x^2 - 300 x + 153)}$$

Sequence: A184045
Score: 9.63301
Type of gen. func.: ogf

$$-\frac{600 x^3 - 308 x^2 - 300 x + 153}{(2 x - 1) (x - 1) (2 x^2 - 1)}$$

Sequence: A184046
Score: 5.26058
Type of gen. func.: ogf

$$(247377 f(x) - 236518028)$$

$$(4 f(x) x^4 - 6 f(x) x^3 + 1144 x^3 + 3 f(x) x - 580 x^2 - f(x) - 572 x + 289)$$

Sequence: A184046
Score: 6.67895
Type of gen. func.: lgdogf

$$-\frac{4576 x^6 - 4640 x^5 - 3384 x^4 + 4624 x^3 - 30 x^2 - 1160 x + 295}{(x - 1) (2 x - 1) (2 x^2 - 1) (1144 x^3 - 580 x^2 - 572 x + 289)}$$

Sequence: A184046
Score: 9.50951
Type of gen. func.: ogf

$$-\frac{1144 x^3 - 580 x^2 - 572 x + 289}{(2 x - 1) (x - 1) (2 x^2 - 1)}$$

Sequence: A184047
Score: 5.13914
Type of gen. func.: ogf

$$(4790837 f(x) - 8960145628) ($$

$$4 f(x) x^4 - 6 f(x) x^3 + 2232 x^3 + 3 f(x) x - 1124 x^2 - f(x) - 1116 x + 561)$$

Sequence: A184047
Score: 6.58955
Type of gen. func.: lgdogf

$$-\frac{8928 x^6 - 8992 x^5 - 6648 x^4 + 8976 x^3 - 30 x^2 - 2248 x + 567}{(x - 1) (2 x - 1) (2 x^2 - 1) (2232 x^3 - 1124 x^2 - 1116 x + 561)}$$

Sequence: A184047
Score: 9.31470
Type of gen. func.: ogf

$$-\frac{2232 x^3 - 1124 x^2 - 1116 x + 561}{(2 x - 1) (x - 1) (2 x^2 - 1)}$$

Sequence: A184052
Score: 8.12691
Type of gen. func.: lgdogf

$$-\frac{16 x^8 - 48 x^7 + 24 x^6 + 12 x^5 - 10 x^4 + 4 x^3 + 3 x^2 - 6 x + 2}{(x - 1) (2 x - 1) (2 x^2 - 1) (4 x^5 - 10 x^4 + 5 x^3 + 2 x^2 - 3 x + 1)}$$

Sequence: A184052
Score: 8.25489
Type of gen. func.: ogf

$$-\frac{4 x^5 - 10 x^4 + 5 x^3 + 2 x^2 - 3 x + 1}{(2 x - 1) (2 x^2 - 1) (x - 1)^3}$$

Sequence: A184063
Score: 14.4653
Type of gen. func.: lgdogf

$$\frac{4 x^3 - 12 x^2 + 15 x - 11}{(x - 1) (x^4 - 8 x^3 + 18 x^2 - 17 x + 7)}$$

Sequence: A184063
Score: 5.47851
Type of gen. func.: ogf

$$(3 f(x) + 41) (f(x) x^4 - 4 f(x) x^3 - x^4 + 6 f(x) x^2 + 8 x^3 - 4 f(x) x - 18 x^2 + f(x) + 17 x - 7)$$

Sequence: A184063
Score: 9.31976

Type of gen. func.: ogf

$$\frac{x^4 - 8x^3 + 18x^2 - 17x + 7}{(x-1)^4}$$

Sequence: A184064
Score: 7.63934
Type of gen. func.: ogf

$$\frac{2x^6 - x^5 + 5x^4 - 19x^3 + 38x^2 - 28x + 11}{(x-1)^4}$$

Sequence: A184064
Score: 9.26208
Type of gen. func.: lgdogf

$$\frac{4x^6 - 13x^5 + 5x^4 - x^3 - 19x^2 + 8x - 16}{(x-1)(2x^6 - x^5 + 5x^4 - 19x^3 + 38x^2 - 28x + 11)}$$

Sequence: A184065
Score: 4.55580
Type of gen. func.: ogf

$$(x^{12} - x^{11} + 5x^{10} - 31x^9 + 31x^8 - 62x^7 + 73x^6 - 4x^5 + 52x^4 - 2x^3 + 106x^2 - 44x + 20) \Big/ (x-1)^4$$

Sequence: A184096
Score: 3.96732
Type of gen. func.: ogf

$$\frac{(2x^2 - 2x - 1)(2x^2 + 1)}{(x-1)(2x+1)(2x-1)(x+1)(2x^2 - 1)}$$

Sequence: A184103
Score: 12.7437
Type of gen. func.: ogf

$$\frac{x^9 - x^8 + x^7 - x^4 - 1}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^3}$$

Sequence: A184103
Score: 9.25827
Type of gen. func.: lgdogf

$$- (x^{16} + 3 x^{14} + 2 x^{13} + 2 x^{12} - 4 x^{11} + 7 x^8 - 18 x^7 + 3 x^6 - 4 x^5 - 4 x^4 - 6 x^3 - 2 x^2 - 2 x - 2) / ((x - 1) (x + 1) (x^9 - x^8 + x^7 - x^4 - 1) (x^2 + 1) (x^4 + 1))$$

Sequence: A184107
Score: 6.37275
Type of gen. func.: ogf

$$\frac{x^{19} - x^{18} + x^{17} - x^{12} + x^{11} - x^{10} + x^9 - x^8 + x^7 - x^6 - 1}{(x + 1) (x^6 + x^3 + 1) (x^6 - x^3 + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^3}$$

Sequence: A184109
Score: 15.7731
Type of gen. func.: ogf

$$\frac{x^8 - x^6 - x^3 + x - 2}{(x^6 + x^3 + 1) (x^2 + x + 1) (x - 1)^3}$$

Sequence: A184112
Score: 11.8397
Type of gen. func.: lgdogf

$$-\left(3 x^{14} + 2 x^{13} + 2 x^{12} - 4 x^{11} + 9 x^{8} - 18 x^{7} + 3 x^{6} - 4 x^{5} - 4 x^{4} - 6 x^{3} - 2 x^{2} - 2 x - 3\right) / \left((x - 1) (x + 1) (x^{2} + 1) (x^{7} - x^{4} + x - 2) (x^{4} + 1)\right)$$

Sequence: A184112
Score: 17.0051
Type of gen. func.: ogf

$$\frac{x^{7} - x^{4} + x - 2}{(x + 1) (x^{2} + 1) (x^{4} + 1) (x - 1)^{3}}$$

Sequence: A184115
Score: 8.56850
Type of gen. func.: ogf

$$\frac{x^{24} - x^{20} + x^{19} - x^{18} + x^{16} - x^{15} - x^{10} + x^{9} - x^{7} + x^{6} - x^{5} + x - 2}{(x^{4} + x^{3} + x^{2} + x + 1) (x^{20} + x^{15} + x^{10} + x^{5} + 1) (x - 1)^{3}}$$

Sequence: A184120
Score: 5.38378
Type of gen. func.: ogf

$$2 f(x)^{2} x^{3} + 4 f(x)^{2} x^{2} + f(x)^{2} x - 2 f(x) x^{2} - 4 f(x) x - f(x) + 1$$

Sequence: A184130
Score: 4.30738
Type of gen. func.: ogf

$$-\frac{(x - 2) (x^{7} - 7 x^{6} + 22 x^{5} - 39 x^{4} + 42 x^{3} - 28 x^{2} + 11 x - 3)}{(x - 1)^{9}}$$

Sequence: A184130
Score: 6.14655
Type of gen. func.: lgdogf

$$-\frac{x^8 - 10 x^7 + 45 x^6 - 116 x^5 + 185 x^4 - 192 x^3 + 133 x^2 - 66 x + 29}{(x - 2) (x - 1) (x^7 - 7 x^6 + 22 x^5 - 39 x^4 + 42 x^3 - 28 x^2 + 11 x - 3)}$$

Sequence: A184138
Score: 4.75105
Type of gen. func.: ogf

$$-\frac{x^7 - 8 x^6 + 27 x^5 - 52 x^4 + 62 x^3 - 45 x^2 + 18 x - 4}{(x - 1)^8}$$

Sequence: A184138
Score: 6.83054
Type of gen. func.: lgdogf

$$-\frac{x^7 - 9 x^6 + 33 x^5 - 73 x^4 + 102 x^3 - 84 x^2 + 36 x - 14}{(x - 1) (x^7 - 8 x^6 + 27 x^5 - 52 x^4 + 62 x^3 - 45 x^2 + 18 x - 4)}$$

Sequence: A184145
Score: 10.1662
Type of gen. func.: lgdogf

$$-\frac{3136 x^2 + 2408 x + 499}{(112 x + 43) (28 x^2 + 9 x - 1)}$$

Sequence: A184145
Score: 10.1662
Type of gen. func.: revogf

$$\frac{-43 - 9 x + (193 x^2 + 1222 x + 1849)^{1/2}}{56 (4 + x)}$$

Sequence: A184145
Score: 10.1850
Type of gen. func.: ogf

$$-\frac{112 x + 43}{28 x^2 + 9 x - 1}$$

Sequence: A184145
Score: 5.1986
Type of gen. func.: ogf

$$(6899 f(x) - 47656) (28 f(x) x^2 + 9 f(x) x - f(x) + 112 x + 43)$$

Sequence: A184145
Score: 5.80309
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) - 28 a(n), a(0) = 43, a(1) = 499\}$$

Sequence: A184146
Score: 5.58369
Type of gen. func.: ogf

$$-\frac{12096 x^3 - 10003 x^2 + 736 x + 499}{756 x^4 - 637 x^3 + 53 x^2 + 33 x - 1}$$

Sequence: A184185
Score: 3.98102
Type of gen. func.: ogf

$$\{(n + 2) a(n + 1) + (-2 n - 6) a(n + 2) + (n + 6) a(n + 3) - a(n + 4), a(0) = 1,$$
$$a(1) = 0, a(2) = 0, a(3) = 1\}$$

Sequence: A184189
Score: 10.3105
Type of gen. func.: lgdogf

$$-\frac{8 x^4 + 20 x^3 - 10 x^2 - 32 x + 19}{(4 x - 3) (x + 2) (2 x^3 + 2 x^2 - 4 x + 1)}$$

Sequence: A184189
Score: 11.0286
Type of gen. func.: ogf

$$-\frac{(x + 2) (4 x - 3)}{2 x^3 + 2 x^2 - 4 x + 1}$$

Sequence: A184189
Score: 5.90128
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 2 a(n + 1) - 2 a(n), a(0) = 6, a(1) = 19, a(2) = 60\}$$

Sequence: A184189
Score: 5.9535
Type of gen. func.: ogf

$$(17 f(x) - 32) (2 f(x) x^3 + 2 f(x) x^2 - 4 f(x) x + 4 x^2 + f(x) + 5 x - 6)$$

Sequence: A184190
Score: 6.02172
Type of gen. func.: ogf

$$-\frac{8 x^4 + 41 x^3 - 34 x^2 - 29 x + 19}{2 x^5 + 10 x^4 - 10 x^3 - 7 x^2 + 7 x - 1}$$

Sequence: A184200
Score: 5.58843
Type of gen. func.: ogf

$$16 x^4 - 6 x^3 - 87 x^2 + 20 x + 35$$

$$- \frac{}{2 x^{5} - x^{4} - 11 x^{3} + 4 x^{2} + 5 x - 1}$$

Sequence: A184209
Score: 4.18443
Type of gen. func.: ogf

$$- \frac{2160 x^{5} + 684 x^{4} - 2220 x^{3} - 679 x^{2} + 400 x + 106}{144 x^{6} + 36 x^{5} - 160 x^{4} - 37 x^{3} + 35 x^{2} + 6 x - 1}$$

Sequence: A184218
Score: 11.3437
Type of gen. func.: ogf

$$- \frac{x^{4} (5 x^{2} - 13 x + 9)}{(x - 1)^{3}}$$

Sequence: A184218
Score: 18.3097
Type of gen. func.: lgdogf

$$- \frac{5 x^{2} - 16 x + 14}{(x - 1) (5 x^{2} - 13 x + 9)}$$

Sequence: A184220
Score: 16.5295
Type of gen. func.: lgdogf

$$- \frac{7 x^{2} - 24 x + 23}{(x - 1) (7 x^{2} - 19 x + 14)}$$

Sequence: A184220
Score: 8.84676
Type of gen. func.: ogf

$$-\frac{x^4 (7 x^2 - 19 x + 14)}{(x - 1)^3}$$

Sequence: A184223
Score: 4.9131
Type of gen. func.: ogf

-(68699 f(x) + 624192)

$$(6 f(x) x^3 - 3 f(x) x^2 - 3 f(x) x + 36 x^2 + f(x) - 12 x - 15)$$

Sequence: A184223
Score: 5.37899
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) - 3 a(n + 1) + 6 a(n), a(0) = 15, a(1) = 57, a(2) = 180}

Sequence: A184223
Score: 9.26395
Type of gen. func.: lgdogf

$$-\frac{72 x^4 - 48 x^3 - 42 x^2 + 6 x + 19}{(6 x - 5) (2 x + 1) (6 x^3 - 3 x^2 - 3 x + 1)}$$

Sequence: A184223
Score: 9.74942
Type of gen. func.: ogf

$$-\frac{3 (2 x + 1) (6 x - 5)}{6 x^3 - 3 x^2 - 3 x + 1}$$

Sequence: A184224
Score: 4.78771
Type of gen. func.: ogf

$$-\frac{168x^5 - 324x^4 - 250x^3 + 547x^2 - 69x - 57}{12x^6 - 24x^5 - 17x^4 + 42x^3 - 7x^2 - 6x + 1}$$

Sequence: A184258
Score: 4.94747
Type of gen. func.: ogf

$$-(x^{28} - 2x^{27} + x^{26} + x^{24} - x^{23} + x^{21} - x^{20} + x^{18} + x^8 - x^6 + x^5 - x^3 + x^2 - x + 1) \Big/ ((x^2 + x + 1)(x^6 + x^3 + 1)(x^{18} + x^9 + 1)(x - 1)^3)$$

Sequence: A184327
Score: 5.38518
Type of gen. func.: ogf

$$(114234 f(x) - 4015)$$

$$(f(x) x^4 - 6 f(x) x^3 + x^3 + 6 f(x) x - 5x^2 - f(x) + 11x + 1)$$

Sequence: A184327
Score: 9.84717
Type of gen. func.: ogf

$$-\frac{x^3 - 5x^2 + 11x + 1}{(x - 1)(x + 1)(x^2 - 6x + 1)}$$

Sequence: A184334
Score: 13.1921
Type of gen. func.: ogf

$$\frac{x^2 + x + 1}{x^2 - x + 1}$$

Sequence: A184334

Score: 21.1355
Type of gen. func.: ogf_with_Euler_transform]

$$x^5 - 2x^2 - x + 2$$

Sequence: A184334
Score: 27.9939
Type of gen. func.: lgdogf

$$-\frac{2(x-1)(x+1)}{(x^2+x+1)(x^2-x+1)}$$

Sequence: A184334
Score: 6.85474
Type of gen. func.: ogf

$$\{-a(n+3) + a(n+2) - a(n+1), a(0) = 1, a(1) = 2, a(2) = 2\}$$

Sequence: A184334
Score: 9.84765
Type of gen. func.: ogf

$$f(x) x^2 - f(x) x - x^2 + f(x) - x - 1$$

Sequence: A184337
Score: 4.26970
Type of gen. func.: ogf

$$\{a(n+3) - 111 a(n+2) + 1110 a(n+1) - 1000 a(n), a(0) = 0, a(1) = 81, a(2) = 8811\}$$

Sequence: A184337
Score: 4.60678
Type of gen. func.: ogf

$$-f(x) (1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 180 x^2 - f(x) + 81 x)$$

Sequence: A184337
Score: 7.49646
Type of gen. func.: lgdogf

$$-\frac{40000 x^3 - 49200 x^2 + 19980 x - 979}{(x - 1) (20 x - 9) (100 x - 1) (10 x - 1)}$$

Sequence: A184337
Score: 7.72313
Type of gen. func.: ogf

$$\frac{9 x (20 x - 9)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A184358
Score: 5.84350
Type of gen. func.: ogf

$$\{(n^2 + 6 n + 9) a(n + 1) - 2 a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A184368
Score: 12.7801
Type of gen. func.: ogf

$$-\frac{3 (9 x + 7)}{9 x^2 + 6 x - 1}$$

Sequence: A184368
Score: 14.3631
Type of gen. func.: lgdogf

$$-\frac{3 (27 x^2 + 42 x + 17)}{(9 x + 7) (9 x^2 + 6 x - 1)}$$

Sequence: A184368

Score: 14.7222
Type of gen. func.: revogf

$$\frac{-7 - 2 x + (8 x^2 + 40 x + 49)^{1/2}}{6 (3 + x)}$$

Sequence: A184368
Score: 6.74905
Type of gen. func.: ogf

$$(16 f(x) - 47) (9 f(x) x^2 + 6 f(x) x - f(x) + 27 x + 21)$$

Sequence: A184368
Score: 7.06666
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) - 9 a(n), a(0) = 21, a(1) = 153\}$$

Sequence: A184369
Score: 2.84345
Type of gen. func.: ogf

$$-(35295678963811 f(x) + 122526351796494) (18 f(x) x^4 - 57 f(x) x^3 + 19 f(x) x^2 + 162 x^3 + 17 f(x) x - 507 x^2 - f(x) + 154 x + 153)$$

Sequence: A184369
Score: 5.75080
Type of gen. func.: ogf

$$- \frac{162 x^3 - 507 x^2 + 154 x + 153}{18 x^4 - 57 x^3 + 19 x^2 + 17 x - 1}$$

Sequence: A184418
Score: 11.9639
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)^2}{(x - 1)^2 (x + 1)^2}$$

Sequence: A184418
Score: 23.7980
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 + 4 x + 1)}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A184418
Score: 34.8023
Type of gen. func.: ogf_with_Euler_transform]

$$-2 x^2 + 2 x + 2$$

Sequence: A184418
Score: 7.93969
Type of gen. func.: ogf

$$(10 f(x) + 3) (f(x) x^4 - x^4 - 2 f(x) x^2 - 2 x^3 - 3 x^2 + f(x) - 2 x - 1)$$

Sequence: A184423
Score: 3.34401
Type of gen. func.: ogf

$$\{(108 n^3 + 486 n^2 + 726 n + 360) a(n + 1) + (-n^3 - 6 n^2 - 12 n - 8) a(n + 2),$$
$$a(0) = 1, a(1) = 12\}$$

Sequence: A184424
Score: 3.72820
Type of gen. func.: ogf

$$\{(-108 n^2 - 270 n - 168) a(n + 1) + (n^2 + 4 n + 4) a(n + 2), a(0) = 1, a(1) = 6$$

}

Sequence: A184424
Score: 9.21084
Type of gen. func.: ogf

$$\mathrm{hypergeom}([1/6, 1/3], [1], 108 x)$$

Sequence: A184449
Score: 4.40251
Type of gen. func.: ogf

$$-\frac{9 (35964 x^6 - 1458 x^5 - 432 x^4 - 1071 x^3 + 18 x^2 + 5 x + 7)}{(3 x - 1) (108 x^3 - 1) (54 x^3 - 1)}$$

Sequence: A184469
Score: 3.05945
Type of gen. func.: ogf

$$- 3 (2332800 x^9 - 42768 x^8 - 17496 x^7 - 269028 x^6 + 5112 x^5 + 1944 x^4 + 9672 x^3 - 140 x^2 - 50 x - 105) / ((3 x - 1) (24 x^3 - 1) (18 x^3 - 1) (54 x^3 - 1))$$

Sequence: A184485
Score: 5.70458
Type of gen. func.: ogf

$$- (x^{15} - x^{14} - 2 x^{10} - 4 x^9 - 5 x^8 - 4 x^7 - 4 x^6 - 5 x^5 - 4 x^4 - 4 x^3 - 4 x^2 - 5 x - 2) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A184489
Score: 3.562
Type of gen. func.: ogf

$$-(730884893 f(x) - 6511367496) (12 f(x) x^4 + 4 f(x) x^3 - 11 f(x) x^2 + 96 x^3 - 3 f(x) x + 44 x^2 + f(x) - 72 x - 31)$$

Sequence: A184489
Score: 5.39797
Type of gen. func.: lgdogf

$$-\frac{1152 x^6 + 1056 x^5 - 1360 x^4 - 1488 x^3 + 264 x^2 + 594 x + 165}{(2 x + 1) (6 x^3 - x^2 - 5 x + 1) (96 x^3 + 44 x^2 - 72 x - 31)}$$

Sequence: A184489
Score: 7.03816
Type of gen. func.: ogf

$$-\frac{96 x^3 + 44 x^2 - 72 x - 31}{(2 x + 1) (6 x^3 - x^2 - 5 x + 1)}$$

Sequence: A184533
Score: 10.7657
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^2 - 2 x - 2)}{(x + 1) (x - 1)^3}$$

Sequence: A184533
Score: 15.9488
Type of gen. func.: lgdogf

$$\frac{2 (x^3 + 7 x^2 + 7 x + 3)}{(x - 1) (x + 1) (x^2 + 1) (x^2 - 2 x - 2)}$$

Sequence: A184533
Score: 6.32792
Type of gen. func.: ogf

$$-(f(x) - 7) (f(x) x^4 - 2 f(x) x^3 - x^4 + 2 x^3 + 2 f(x) x + x^2 - f(x) + 2 x + 2)$$

Sequence: A184534
Score: 20.7011
Type of gen. func.: ogf

$$\frac{x^6 - 2 x^5 + x^4 - x^2 - x - 1}{(x + 1) (x - 1)^3}$$

Sequence: A184534
Score: 22.0466
Type of gen. func.: lgdogf

$$\frac{2 x^7 - 4 x^6 - 2 x^5 + 8 x^4 - 2 x^3 + 5 x^2 + 8 x + 3}{(x - 1) (x + 1) (x^6 - 2 x^5 + x^4 - x^2 - x - 1)}$$

Sequence: A184535
Score: 9.60619
Type of gen. func.: ogf

$$\frac{x^7 - 2 x^6 + x^5 - 2 x^4 - x^3 - 2 x^2 - 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A184535
Score: 9.62998
Type of gen. func.: lgdogf

$$\frac{6 x^8 + 8 x^7 + 11 x^6 + 20 x^5 + 12 x^4 + 16 x^3 + 9 x^2 + 6 x + 2}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (x^7 - 2 x^6 + x^5 - 2 x^4 - x^3 - 2 x^2 - 1)}$$

Sequence: A184536
Score: 10.8826
Type of gen. func.: ogf

$$(23 f(x) + 261) (f(x) x^4 - 4 f(x) x^3 - x^4 + 6 f(x) x^2 + 4 x^3 - 4 f(x) x - 10 x^2 + f(x) - 12 x - 5)$$

Sequence: A184536
Score: 18.7631
Type of gen. func.: ogf

$$\frac{x^4 - 4 x^3 + 10 x^2 + 12 x + 5}{(x - 1)^4}$$

Sequence: A184536
Score: 35.1265
Type of gen. func.: lgdogf

$$- \frac{8 (x^2 + 7 x + 4)}{(x - 1) (x^4 - 4 x^3 + 10 x^2 + 12 x + 5)}$$

Sequence: A184537
Score: 16.1841
Type of gen. func.: ogf

$$\frac{x^5 + x^4 - 12 x^3 + 34 x^2 - 17 x + 5}{(x - 1)^4}$$

Sequence: A184537
Score: 22.2768
Type of gen. func.: lgdogf

$$\frac{x^5 - 5 x^4 + 8 x^3 - 32 x^2 - 17 x - 3}{(x - 1) (x^5 + x^4 - 12 x^3 + 34 x^2 - 17 x + 5)}$$

Sequence: A184538
Score: 12.1780
Type of gen. func.: ogf

$$\frac{(x + 1) (x^6 - 3 x^5 + 3 x^4 + 6 x^2 + 3 x + 2)}{(x^2 + x + 1) (x - 1)^4}$$

Sequence: A184538
Score: 12.5755
Type of gen. func.: lgdogf

$$\frac{x^9 - 3 x^8 + 3 x^7 - 7 x^6 - 15 x^5 - 63 x^4 - 82 x^3 - 72 x^2 - 39 x - 11}{(x - 1) (x + 1) (x^2 + x + 1) (x^6 - 3 x^5 + 3 x^4 + 6 x^2 + 3 x + 2)}$$

Sequence: A184540
Score: 14.0830
Type of gen. func.: lgdogf

$$- \frac{14 x^3 - 80 x^2 + 151 x - 89}{(x - 1) (14 x^3 - 61 x^2 + 91 x - 45)}$$

Sequence: A184540
Score: 5.32185
Type of gen. func.: ogf

$$(8458 f(x) + 17889903) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 14 x^3 - 4 f(x) x - 61 x^2 + f(x) + 91 x - 45)$$

Sequence: A184540
Score: 9.92098
Type of gen. func.: ogf

$$14 x^3 - 61 x^2 + 91 x - 45$$

$$-\frac{\qquad}{(x-1)^4}$$

Sequence: A184541
Score: 10.2338
Type of gen. func.: lgdogf

$$-\frac{22x^4 - 158x^3 + 426x^2 - 478x + 193}{(x-1)(22x^4 - 123x^3 + 265x^2 - 252x + 89)}$$

Sequence: A184541
Score: 7.59303
Type of gen. func.: ogf

$$-\frac{22x^4 - 123x^3 + 265x^2 - 252x + 89}{(x-1)^5}$$

Sequence: A184542
Score: 6.21463
Type of gen. func.: ogf

$$-\frac{31x^5 - 209x^4 + 578x^3 - 796x^2 + 542x - 147}{(x-1)^6}$$

Sequence: A184542
Score: 7.89662
Type of gen. func.: lgdogf

$$-\frac{31x^5 - 263x^4 + 898x^3 - 1450x^2 + 1118x - 340}{(x-1)(31x^5 - 209x^4 + 578x^3 - 796x^2 + 542x - 147)}$$

Sequence: A184543
Score: 5.03245
Type of gen. func.: ogf

$$-\frac{41 x^6 - 322 x^5 + 1078 x^4 - 1922 x^3 + 1909 x^2 - 1003 x + 220}{(x - 1)^7}$$

Sequence: A184543
Score: 6.21443
Type of gen. func.: lgdogf

$$-\frac{41 x^6 - 398 x^5 + 1624 x^4 - 3376 x^3 + 3779 x^2 - 2200 x + 537}{(x - 1) (41 x^6 - 322 x^5 + 1078 x^4 - 1922 x^3 + 1909 x^2 - 1003 x + 220)}$$

Sequence: A184544
Score: 4.28223
Type of gen. func.: ogf

$$-\frac{52 x^7 - 465 x^6 + 1819 x^5 - 3955 x^4 + 5120 x^3 - 3943 x^2 + 1680 x - 309}{(x - 1)^8}$$

Sequence: A184545
Score: 3.79264
Type of gen. func.: ogf

$$- (64 x^8 - 641 x^7 + 2861 x^6 - 7310 x^5 + 11605 x^4 - 11699 x^3 + 7327 x^2 - 2621 x + 415) / (x - 1)^9$$

Sequence: A184549
Score: 7.43468
Type of gen. func.: lgdogf

$$-\frac{10 x^6 + 23 x^5 + 55 x^4 + 52 x^3 + 38 x^2 + 29 x + 17}{(x - 1) (x + 1) (5 x^3 + 6 x^2 + 11 x + 6) (x^2 + 1)}$$

Sequence: A184549
Score: 8.79553
Type of gen. func.: ogf

$$\frac{x\,(5\,x^{3} + 6\,x^{2} + 11\,x + 6)}{(x^{2} + 1)\,(x + 1)\,(x - 1)^{2}}$$

Sequence: A184550
Score: 6.87244
Type of gen. func.: lgdogf

$$-\frac{22\,x^{6} + 29\,x^{5} + 37\,x^{4} + 52\,x^{3} + 50\,x^{2} + 23\,x + 11}{(x - 1)\,(x + 1)\,(x^{2} + 1)\,(11\,x^{3} + 6\,x^{2} + 5\,x + 6)}$$

Sequence: A184550
Score: 8.23318
Type of gen. func.: ogf

$$\frac{x\,(11\,x^{3} + 6\,x^{2} + 5\,x + 6)}{(x^{2} + 1)\,(x + 1)\,(x - 1)^{2}}$$

Sequence: A184551
Score: 6.74422
Type of gen. func.: lgdogf

$$-\frac{12\,x^{6} + 21\,x^{5} + 35\,x^{4} + 72\,x^{3} + 40\,x^{2} + 27\,x + 17}{(x - 1)\,(x + 1)\,(x^{2} + 1)\,(6\,x^{3} + 5\,x^{2} + 6\,x + 11)}$$

Sequence: A184551
Score: 8.08150
Type of gen. func.: ogf

$$\frac{x\,(6\,x^{3} + 5\,x^{2} + 6\,x + 11)}{{}^{2} \qquad\qquad {}^{2}}$$

$$(x + 1) (x + 1) (x - 1)$$

Sequence: A184552
Score: 11.1014
Type of gen. func.: ogf

$$\frac{x (6 x^3 + 11 x^2 + 6 x + 5)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A184552
Score: 9.41257
Type of gen. func.: lgdogf

$$- \frac{12 x^6 + 39 x^5 + 41 x^4 + 48 x^3 + 40 x^2 + 33 x + 11}{(x - 1) (x + 1) (6 x^3 + 11 x^2 + 6 x + 5) (x^2 + 1)}$$

Sequence: A184556
Score: 5.86001
Type of gen. func.: ogf

$$- \frac{108 x^4 - 24 x^3 - 199 x^2 + 36 x + 50}{(2 x + 1) (6 x^4 - 5 x^3 - 9 x^2 + 8 x - 1)}$$

Sequence: A184592
Score: 20.2402
Type of gen. func.: ogf

$$\frac{x^7 + 2 x^6 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A184606
Score: 4.82572
Type of gen. func.: ogf

$(20967 f(x) - 21128)$

$$(4 f(x) x^4 + 6 f(x) x^3 + 8 x^3 + 3 f(x) x + 14 x^2 - f(x) + 4 x + 8)$$

Sequence: A184606
Score: 4.82572
Type of gen. func.: ogf

$\{a(n + 4) - 3 a(n + 3) - 6 a(n + 1) - 4 a(n), a(0) = 8, a(1) = 28, a(2) = 98,$

$a(3) = 350\}$

Sequence: A184606
Score: 6.79943
Type of gen. func.: lgdogf

$$-\frac{16 x^6 + 56 x^5 + 66 x^4 + 64 x^3 + 63 x^2 + 14 x + 14}{(2 x^2 + 3 x - 1) (2 x^2 + 1) (4 x^3 + 7 x^2 + 2 x + 4)}$$

Sequence: A184606
Score: 8.82417
Type of gen. func.: ogf

$$-\frac{2 (4 x^3 + 7 x^2 + 2 x + 4)}{(2 x^2 + 3 x - 1) (2 x^2 + 1)}$$

Sequence: A184628
Score: 15.1388
Type of gen. func.: ogf

$$\frac{x^4 - 4 x^3 + 7 x^2 + 2}{(x - 1)^4}$$

Sequence: A184628
Score: 30.2553
Type of gen. func.: lgdogf

$$-\frac{2\,(x^2+7\,x+4)}{(x-1)\,(x^4-4\,x^3+7\,x^2+2)}$$

Sequence: A184628
Score: 8.57513
Type of gen. func.: ogf

$$(23\,f(x)+48)$$

$$(f(x)\,x^4-4\,f(x)\,x^3-x^4+6\,f(x)\,x^2+4\,x^3-4\,f(x)\,x-7\,x^2+f(x)-2)$$

Sequence: A184629
Score: 6.47931
Type of gen. func.: ogf

$$\frac{x^{13}-3\,x^{12}+3\,x^{11}-2\,x^9+2\,x^7+3\,x^5+6\,x^4+5\,x^3+4\,x^2+4\,x+1}{(x^4+x^3+x^2+x+1)\,(x-1)^4}$$

Sequence: A184630
Score: 7.44539
Type of gen. func.: ogf

$$\frac{x^9-3\,x^8+4\,x^7-4\,x^6+3\,x^5-x^4+5\,x^3+3\,x^2+3\,x+1}{(x^2+x+1)\,(x-1)^4}$$

Sequence: A184631
Score: 6.51206
Type of gen. func.: ogf

$$\frac{(x+1)\,(x^{10}-3\,x^9+3\,x^8+x^6+3\,x^5+3\,x^3+2\,x^2+x+1)}{(x^6+x^5+x^4+x^3+x^2+x+1)\,(x-1)^4}$$

Sequence: A184632

Score: 12.9316
Type of gen. func.: ogf

$$\frac{x^5 - 3x^4 + 3x^3 + 3x^2 + x + 1}{(x+1)(x-1)^4}$$

Sequence: A184632
Score: 19.2495
Type of gen. func.: lgdogf

$$-\frac{2(x^4 + 3x^3 + 11x^2 + 7x + 2)}{(x-1)(x+1)(x^5 - 3x^4 + 3x^3 + 3x^2 + x + 1)}$$

Sequence: A184633
Score: 15.4618
Type of gen. func.: ogf

$$\frac{(x+1)(x^6 - 3x^5 + 3x^4 - x^3 + 3x^2 + 1)}{(x^2 + x + 1)(x-1)^4}$$

Sequence: A184633
Score: 17.2284
Type of gen. func.: lgdogf

$$\frac{x^9 - 3x^8 + 3x^7 - 5x^6 - 24x^4 - 28x^3 - 24x^2 - 12x - 4}{(x-1)(x+1)(x^2 + x + 1)(x^6 - 3x^5 + 3x^4 - x^3 + 3x^2 + 1)}$$

Sequence: A184634
Score: 11.0868
Type of gen. func.: ogf

$$\frac{(x^2 + 1)(x^8 - 3x^7 + 3x^6 - x^5 + x^4 + 4x^2 + 1)}{(x^4 + x^3 + x^2 + x + 1)(x-1)^4}$$

Sequence: A184635
Score: 11.8188
Type of gen. func.: ogf

$$\frac{x^3 - 3x^2 - x - 5}{(x - 1)^3}$$

Sequence: A184635
Score: 27.5926
Type of gen. func.: lgdogf

$$\frac{8 (x + 2)}{(x - 1) (x^3 - 3x^2 - x - 5)}$$

Sequence: A184635
Score: 6.04074
Type of gen. func.: ogf

$\{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 5, a(1) = 16, a(2) = 36,$

$a(3) = 64\}$

Sequence: A184635
Score: 6.68443
Type of gen. func.: ogf

$$(59 f(x) - 380) (f(x) x^3 - 3 f(x) x^2 - x^3 + 3 f(x) x + 3 x^2 - f(x) + x + 5)$$

Sequence: A184636
Score: 10.2091
Type of gen. func.: ogf

$\{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 3, a(1) = 8, a(2) = 18,$

$a(3) = 32\}$

Sequence: A184636

Score: 11.1221
Type of gen. func.: ogf

$$(118 f(x) - 439) (f(x) x^3 - 3 f(x) x^2 - x^3 + 3 f(x) x + 3 x^2 - f(x) - x + 3)$$

Sequence: A184636
Score: 19.8264
Type of gen. func.: ogf

$$\frac{(x - 3) (x^2 + 1)}{(x - 1)^3}$$

Sequence: A184636
Score: 50.0379
Type of gen. func.: lgdogf

$$\frac{4 (x + 2)}{(x - 1) (x - 3) (x^2 + 1)}$$

Sequence: A184637
Score: 14.7139
Type of gen. func.: ogf

$$\frac{(x + 1) (x^5 - 2 x^4 + x^3 - 2 x^2 - 2)}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A184637
Score: 17.8235
Type of gen. func.: lgdogf

$$\frac{x^8 - 2 x^7 + x^6 + 15 x^4 + 18 x^3 + 21 x^2 + 12 x + 6}{(x - 1) (x + 1) (x^2 + x + 1) (x^5 - 2 x^4 + x^3 - 2 x^2 - 2)}$$

Sequence: A184665

Score: 3.41101
Type of gen. func.: ogf

$$-\frac{2304 x^6 - 432 x^5 - 4756 x^4 + 828 x^3 + 1881 x^2 - 240 x - 150}{144 x^7 - 36 x^6 - 304 x^5 + 73 x^4 + 123 x^3 - 25 x^2 - 10 x + 1}$$

Sequence: A184674
Score: 10.3626
Type of gen. func.: ogf

$$(34 f(x) - 305) (f(x) x^4 - 2 f(x) x^3 - x^4 + x^3 + 2 f(x) x - f(x) + 1)$$

Sequence: A184674
Score: 18.8120
Type of gen. func.: ogf

$$\frac{x^4 - x^3 - 1}{(x + 1) (x - 1)^3}$$

Sequence: A184674
Score: 24.6045
Type of gen. func.: lgdogf

$$-\frac{x^4 + 2 x^3 - 3 x^2 - 4 x - 2}{(x - 1) (x + 1) (x^4 - x^3 - 1)}$$

Sequence: A184676
Score: 12.6953
Type of gen. func.: ogf

$$\frac{x^3 - x^2 - 1}{(x + 1) (x - 1)^3}$$

Sequence: A184676
Score: 19.7340
Type of gen. func.: lgdogf

$$-\frac{x^4 + x^2 - 6 x - 2}{(x - 1) (x + 1) (x^3 - x^2 - 1)}$$

Sequence: A184676
Score: 6.65482
Type of gen. func.: ogf

$$-(298 f(x) - 1883) (f(x) x^4 - 2 f(x) x^3 - x^3 + 2 f(x) x + x^2 - f(x) + 1)$$

Sequence: A184679
Score: 10.6825
Type of gen. func.: ogf

$$-\frac{4 (24 x^2 + 3 x - 7)}{(2 x - 1) (6 x^2 + 3 x - 1)}$$

Sequence: A184679
Score: 6.08904
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 12 a(n), a(0) = 28, a(1) = 128, a(2) = 544\}$$

Sequence: A184679
Score: 6.15055
Type of gen. func.: ogf

$$(7 f(x) + 188) (12 f(x) x^3 - 5 f(x) x + 96 x^2 + f(x) + 12 x - 28)$$

Sequence: A184679
Score: 8.52466
Type of gen. func.: lgdogf

4 3 2

$$-\frac{4 (72 x + 18 x - 33 x - 12 x + 8)}{(2 x - 1) (6 x^{2} + 3 x - 1) (24 x^{2} + 3 x - 7)}$$

Sequence: A184680
Score: 5.83226
Type of gen. func.: ogf

$$-\frac{4 (64 x^{4} + 100 x^{3} - 150 x^{2} + 3 x + 19)}{(2 x - 1) (8 x^{4} + 16 x^{3} - 12 x^{2} - 5 x + 1)}$$

Sequence: A184681
Score: 3.18082
Type of gen. func.: ogf

$$-\frac{16 (3072 x^{6} - 2688 x^{5} - 1692 x^{4} + 1974 x^{3} - 348 x^{2} - 59 x + 13)}{1536 x^{7} - 1392 x^{6} - 848 x^{5} + 1058 x^{4} - 190 x^{3} - 51 x^{2} + 16 x - 1}$$

Sequence: A184688
Score: 11.7983
Type of gen. func.: ogf

$$-\frac{3 (2 x - 3)}{16 x^{2} - 22 x + 1}$$

Sequence: A184688
Score: 13.5857
Type of gen. func.: lgdogf

$$-\frac{32 (x - 1) (x - 2)}{(2 x - 3) (16 x^{2} - 22 x + 1)}$$

Sequence: A184688
Score: 5.96256
Type of gen. func.: ogf

$$(6969 f(x) + 2815) (16 f(x) x^2 - 22 f(x) x + f(x) + 6 x - 9)$$

Sequence: A184688
Score: 6.44788
Type of gen. func.: ogf

$$\{-a(n + 2) + 22 a(n + 1) - 16 a(n), a(0) = 9, a(1) = 192\}$$

Sequence: A184688
Score: 9.70406
Type of gen. func.: revogf

$$- \frac{-9 - 22 x + 3^{1/2} ((2 x + 1) (70 x + 27))^{1/2}}{4 (3 + 8 x)}$$

Sequence: A184689
Score: 5.95254
Type of gen. func.: ogf

$$- \frac{3 (32 x^3 - 58 x^2 + 37 x - 9)}{256 x^4 - 416 x^3 + 266 x^2 - 61 x + 1}$$

Sequence: A184704
Score: 5.76361
Type of gen. func.: ogf

$$- \frac{x^9 - x^8 - x^7 - x^6 - 4 x^5 - 4 x^4 - 7 x^3 - 5 x^2 - 5 x - 2}{(x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A184750
Score: 17.8255
Type of gen. func.: lgdogf

$$- \frac{9 x^2 - 32 x + 32}{}$$

$$(x - 1) (9 x^2 - 25 x + 19)$$

Sequence: A184750
Score: 9.54042
Type of gen. func.: ogf

$$-\frac{x^4 (9 x^2 - 25 x + 19)}{(x - 1)^3}$$

Sequence: A184755
Score: 4.91104
Type of gen. func.: ogf

$$-(43937 f(x) - 3030) (4 f(x) x^3 + 9 f(x) x^2 + 5 f(x) x + 2 x^2 - f(x) + 5 x + 4)$$

Sequence: A184755
Score: 5.20997
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) - 9 a(n + 1) - 4 a(n), a(0) = 4, a(1) = 25, a(2) = 163\}$$

Sequence: A184755
Score: 9.32005
Type of gen. func.: lgdogf

$$-\frac{(x + 1) (8 x^3 + 32 x^2 + 51 x + 25)}{(2 x^2 + 5 x + 4) (4 x^3 + 9 x^2 + 5 x - 1)}$$

Sequence: A184755
Score: 9.82207
Type of gen. func.: ogf

$$-\frac{2 x^2 + 5 x + 4}{4 x^3 + 9 x^2 + 5 x - 1}$$

Sequence: A184756
Score: 3.26511
Type of gen. func.: ogf

$$(168802703357 f(x) - 91270809689) (32 f(x) x^4 + 58 f(x) x^3 + 39 f(x) x^2 + 14 x^3 + 8 f(x) x + 32 x^2 - f(x) + 25 x + 8)$$

Sequence: A184756
Score: 6.45153
Type of gen. func.: ogf

$$-\frac{14 x^3 + 32 x^2 + 25 x + 8}{32 x^4 + 58 x^3 + 39 x^2 + 8 x - 1}$$

Sequence: A184757
Score: 3.83325
Type of gen. func.: ogf

$$-\frac{40 x^6 - 166 x^5 + 176 x^4 + 417 x^3 + 326 x^2 + 109 x + 16}{32 x^7 - 228 x^6 + 434 x^5 + 889 x^4 + 550 x^3 + 150 x^2 + 13 x - 1}$$

Sequence: A184765
Score: 4.28482
Type of gen. func.: ogf

$$-(1698329 f(x) + 59438544) (24 f(x) x^3 - 8 f(x) x^2 - 5 f(x) x + 384 x^2 + f(x) - 104 x - 64)$$

Sequence: A184765
Score: 4.82492
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) + 8 a(n + 1) - 24 a(n), a(0) = 64, a(1) = 424, a(2) = 2248\}$$

Sequence: A184765
Score: 7.81095
Type of gen. func.: lgdogf

$$-\frac{1152 x^{4} - 624 x^{3} - 232 x^{2} + 32 x + 53}{(48 x^{2} - 13 x - 8) (24 x^{3} - 8 x^{2} - 5 x + 1)}$$

Sequence: A184765
Score: 8.56964
Type of gen. func.: ogf

$$-\frac{8 (48 x^{2} - 13 x - 8)}{24 x^{3} - 8 x^{2} - 5 x + 1}$$

Sequence: A184766
Score: 2.66639
Type of gen. func.: ogf

$$-(44562084727204427 f(x) + 7932168652692581200) (1800 f(x) x^{4} - 792 f(x) x^{3} - 19 f(x) x^{2} + 115200 x^{3} + 20 f(x) x - 48888 x^{2} - f(x) - 208 x + 424)$$

Sequence: A184766
Score: 5.36027
Type of gen. func.: ogf

$$-\frac{8 (14400 x^{3} - 6111 x^{2} - 26 x + 53)}{1800 x^{4} - 792 x^{3} - 19 x^{2} + 20 x - 1}$$

Sequence: A184877
Score: 3.72364
Type of gen. func.: ogf

3 2 3 2

{(n + 8 n + 21 n + 18) a(n + 1) + (n + 12 n + 48 n + 64) a(n + 2)

+ (-2 - n) a(n + 3) + (-n - 4) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 4,

a(3) = 9}

Sequence: A184878
Score: 35.4327
Type of gen. func.: lgdogf

$$-\frac{8 (x^2 + 61 x + 288)}{(x - 1) (x^2 + 54 x + 225)}$$

Sequence: A184878
Score: 9.41566
Type of gen. func.: ogf

$$\frac{x^4 (x^2 + 54 x + 225)}{(x - 1)^{10}}$$

Sequence: A184880
Score: 11.0975
Type of gen. func.: ogf

$$-\frac{x^2 + x - 1}{(4 x^3 + 3 x^2 - x - 1) (4 x^3 - 5 x^2 + 3 x - 1)}$$

Sequence: A184880
Score: 9.92891
Type of gen. func.: lgdogf

$$-\frac{64 x^7 + 56 x^6 - 142 x^5 + 25 x^4 + 40 x^3 - 17 x^2 + 1}{(x^2 + x - 1) (4 x^3 + 3 x^2 - x - 1) (4 x^3 - 5 x^2 + 3 x - 1)}$$

Sequence: A184881

Score: 10.0551
Type of gen. func.: ogf

$$-f(x)^2 x + 8 f(x) x + 16 x^2 + f(x) - 4 x - 1$$

Sequence: A184881
Score: 10.2014
Type of gen. func.: lgdogf

$$\frac{8 (4 x + 1)^{1/2} x - (4 x + 1)^{1/2} + 1 + 16 x^2}{2 x (16 x^2 - 4 x - 1)}$$

Sequence: A184881
Score: 4.03307
Type of gen. func.: ogf

$$\{(32 n^2 - 16 n) a(n) + (4 n^2 + 6 n - 4) a(n + 1) + (-n^2 - 5 n - 6) a(n + 2),$$
$$a(0) = 1, a(1) = -3\}$$

Sequence: A184882
Score: 22.3767
Type of gen. func.: lgdogf

$$- \frac{x^2 - 18 x - 7}{(x - 1) (x^2 - 10 x + 1)}$$

Sequence: A184882
Score: 5.19655
Type of gen. func.: ogf

$$-(41 f(x) + 234) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) - 10 x + 1)$$

Sequence: A184882
Score: 5.47248
Type of gen. func.: ogf

$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 1,\ a(1) = -7,\ a(2) = -23\}$

Sequence: A184882
Score: 9.97403
Type of gen. func.: ogf

$$-\frac{x^2 - 10\,x + 1}{(x-1)^3}$$

Sequence: A184884
Score: 12.2398
Type of gen. func.: lgdogf

$$-\frac{3\,x^6 - 2\,x^5 - 3\,x^4 + 4\,x^3 - 7\,x^2 - 2\,x - 1}{(x-1)\,(x+1)\,(x^5 - x^4 + 2\,x^3 + 2\,x^2 + x - 1)}$$

Sequence: A184884
Score: 13.1068
Type of gen. func.: ogf

$$\frac{(x-1)\,(x+1)}{x^5 - x^4 + 2\,x^3 + 2\,x^2 + x - 1}$$

Sequence: A184887
Score: 3.31313
Type of gen. func.: ogf

$\{(-2048\,n^2 - 5120\,n - 3192)\,a(n+1) + (n^2 + 4\,n + 4)\,a(n+2),\ a(0) = 1,$

$a(1) = 120\}$

Sequence: A184888
Score: 2.90272
Type of gen. func.: ogf

$\quad 3 \qquad\qquad 2$

$\{(2048 n + 9216 n + 13792 n + 6864) a(n + 1)$

$+ (-n^{3} - 6 n^{2} - 12 n - 8) a(n + 2), a(0) = 1, a(1) = 240\}$

Sequence: A184889
Score: 3.39734
Type of gen. func.: ogf

$\{(-500 n^{2} - 1250 n - 780) a(n + 1) + (n^{2} + 4 n + 4) a(n + 2), a(0) = 1,$

$a(1) = 30\}$

Sequence: A184890
Score: 3.00191
Type of gen. func.: ogf

$\{(500 n^{3} + 2250 n^{2} + 3370 n + 1680) a(n + 1) + (-n^{3} - 6 n^{2} - 12 n - 8) a(n + 2)$

$, a(0) = 1, a(1) = 60\}$

Sequence: A184891
Score: 3.37792
Type of gen. func.: ogf

$\{(-500 n^{2} - 1250 n - 770) a(n + 1) + (n^{2} + 4 n + 4) a(n + 2), a(0) = 1,$

$a(1) = 20\}$

Sequence: A184892
Score: 2.95187
Type of gen. func.: ogf

$\{(500 n^{3} + 2250 n^{2} + 3330 n + 1620) a(n + 1) + (-n^{3} - 6 n^{2} - 12 n - 8) a(n + 2)$

$, a(0) = 1, a(1) = 40\}$

Sequence: A184895
Score: 3.88028
Type of gen. func.: ogf

2 2

$$\{(-1372 n - 3430 n - 2100) a(n + 1) + (n + 4 n + 4) a(n + 2), a(0) = 1, a(1) = 42\}$$

Sequence: A184896
Score: 3.36291
Type of gen. func.: ogf

$$\{(1372 n^3 + 6174 n^2 + 9086 n + 4368) a(n + 1) + (-n^3 - 6 n^2 - 12 n - 8) a(n + 2), a(0) = 1, a(1) = 84\}$$

Sequence: A184897
Score: 3.24638
Type of gen. func.: ogf

$$\{(-2048 n^2 - 5120 n - 3128) a(n + 1) + (n^2 + 4 n + 4) a(n + 2), a(0) = 1, a(1) = 56\}$$

Sequence: A184898
Score: 2.85539
Type of gen. func.: ogf

$$\{(2048 n^3 + 9216 n^2 + 13536 n + 6480) a(n + 1) + (-n^3 - 6 n^2 - 12 n - 8) a(n + 2), a(0) = 1, a(1) = 112\}$$

Sequence: A184902
Score: 26.3994
Type of gen. func.: revogf

$$- \frac{-1 - x + (1 + 3 x)^{1/2}}{x - 1}$$

Sequence: A184902
Score: 41.0658
Type of gen. func.: lgdogf

$$-\frac{5 + x}{(x + 2) (x - 1)}$$

Sequence: A184937
Score: 4.64068
Type of gen. func.: ogf

$$-4 f(x)^2 x^2 + f(x)^2 x + 4 f(x) x^2 - 5 f(x) x - x^2 + f(x) - 3$$

Sequence: A184947
Score: 16.2845
Type of gen. func.: lgdegf]

$$\frac{(I + \ln(x - 1) x I - \ln(x - 1) I + Pi x - Pi) I}{x - 1}$$

Sequence: A184959
Score: 17.0607
Type of gen. func.: ogf

$$\frac{x - 10}{x^2 + x - 1}$$

Sequence: A184959
Score: 24.8534
Type of gen. func.: lgdogf

$$-\frac{x^2 - 20 x - 9}{(x - 10) (x^2 + x - 1)}$$

Sequence: A184959
Score: 8.43861
Type of gen. func.: ogf

$$-(29 f(x) - 209) (f(x) x^2 + f(x) x - f(x) - x + 10)$$

Sequence: A184959
Score: 9.45531
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 10, a(1) = 9\}$$

Sequence: A184969
Score: 7.56121
Type of gen. func.: ogf

$$-\frac{x^7 + 3 x^6 + 3 x^5 + 3 x^4 + 3 x^3 + 3 x^2 + 3 x + 3}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A184985
Score: 15.1306
Type of gen. func.: ogf

$$-\frac{x (x^2 - x - 1)}{(x - 1)^2}$$

Sequence: A184985
Score: 36.9435
Type of gen. func.: lgdogf

$$-\frac{x - 3}{(x - 1) (x^2 - x - 1)}$$

Sequence: A184985
Score: 7.63227
Type of gen. func.: ogf

$$\{-a(n + 4) + 2 a(n + 3) - a(n + 2), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 4\}$$

Sequence: A184985
Score: 9.69039

Type of gen. func.: ogf

$$f(x) (f(x) x^{2} + x^{3} - 2 f(x) x - x^{2} + f(x) - x)$$

Sequence: A185000
Score: 12.5385
Type of gen. func.: ogf

$$- \frac{1099 x^{4} + 11100 x^{3} + 1101 x^{2} + 111 x + 11}{(x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A185000
Score: 6.88736
Type of gen. func.: ogf

$$(164783860508073268 f(x) + 8951018937690004837279)$$

$$(f(x) x^{4} + 1099 x^{4} + 11100 x^{3} + 1101 x^{2} - f(x) + 111 x + 11)$$

Sequence: A185000
Score: 8.29618
Type of gen. func.: lgdogf

$$- \frac{3 (3700 x^{6} + 734 x^{5} + 111 x^{4} + 1480 x^{3} + 11100 x^{2} + 734 x + 37)}{(x - 1) (x + 1) (1099 x^{4} + 11100 x^{3} + 1101 x^{2} + 111 x + 11) (x^{2} + 1)}$$

Sequence: A185010
Score: 4.15517
Type of gen. func.: ogf

$$\{(-48 n^{2} - 192 n - 180) a(n + 1) + (-8 n^{2} - 44 n - 60) a(n + 2)$$

$$+ (n^{2} + 7 n + 12) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 14\}$$

Sequence: A185012
Score: 14.8478

Type of gen. func.: ogf

$$x^2 - f(x)$$

Sequence: A185012
Score: 6.26394
Type of gen. func.: ogf

{-a(n + 3), a(0) = 0, a(1) = 0, a(2) = 1}

Sequence: A185013
Score: 14.8478
Type of gen. func.: ogf

$$x^3 - f(x)$$

Sequence: A185013
Score: 5.34523
Type of gen. func.: ogf

{-a(n + 4), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1}

Sequence: A185014
Score: 14.8478
Type of gen. func.: ogf

$$x^4 - f(x)$$

Sequence: A185014
Score: 4.66153
Type of gen. func.: ogf

{-a(n + 5), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 1}

Sequence: A185015
Score: 14.8478
Type of gen. func.: ogf

$$x^5 - f(x)$$

Sequence: A185016
Score: 14.8478
Type of gen. func.: ogf

$$x^6 - f(x)$$

Sequence: A185017
Score: 18.1573
Type of gen. func.: ogf

$$x^7 - f(x)$$

Sequence: A185019
Score: 14.0248
Type of gen. func.: ogf

$$-\frac{x (17 x + 11)}{(x - 1)^3}$$

Sequence: A185019
Score: 29.1493
Type of gen. func.: lgdogf

$$-\frac{2 (25 + 17 x)}{(17 x + 11) (x - 1)}$$

Sequence: A185019
Score: 6.78249
Type of gen. func.: ogf

$$(3094448 f(x) - 28242279)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 17 x^2 - f(x) + 11 x)$$

Sequence: A185019
Score: 7.32269
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 0,\ a(1) = 11,\ a(2) = 50\}$$

Sequence: A185020
Score: 4.02004
Type of gen. func.: ogf

$$\{(32\,n^2 + 128\,n + 120)\,a(n+1) + (8\,n^2 + 44\,n + 60)\,a(n+2) + (-n^2 - 7\,n - 12)\,a(n+3),\ a(0) = 1,\ a(1) = 2,\ a(2) = 12\}$$

Sequence: A185039
Score: 10.1320
Type of gen. func.: ogf

$$-\frac{x\,(5\,x^2 + 8\,x + 5)}{(x+1)^2\,(x-1)^3}$$

Sequence: A185039
Score: 16.1816
Type of gen. func.: lgdogf

$$-\frac{15\,x^3 + 37\,x^2 + 43\,x + 13}{(x-1)\,(x+1)\,(5\,x^2 + 8\,x + 5)}$$

Sequence: A185047
Score: 11.3478
Type of gen. func.: revogf

$$-\frac{-1 - 12\,x - 9\,x^2 + (-(x+1)\,(3\,x-1)^3)^{1/2}}{2\,(3\,x+2)^3}$$

Sequence: A185047
Score: 5.84999
Type of gen. func.: ogf

$$27 x^4 f(x)^3 + 54 f(x)^2 x^3 - 9 f(x)^2 x^2 + 36 f(x) x^2 - 12 f(x) x + f(x) + 8 x - 1$$

Sequence: A185047
Score: 6.06005
Type of gen. func.: ogf

$$\{(-9 n - 21) a(n + 1) + (n + 4) a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A185048
Score: 8.05192
Type of gen. func.: ogf

$$\frac{x^7 + x^6 - x^5 + x^4 + x^3 + x^2 + x + 1}{(x^2 + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A185049
Score: 11.0413
Type of gen. func.: lgdogf

$$\frac{(x^2 + x + 1) (x^6 - x^5 - 3 x^4 - 5 x^2 - 3 x - 1)}{(x - 1) (x + 1) (x^5 + x^4 + 3 x^3 + 2 x^2 + x + 1) (x^2 + 1)}$$

Sequence: A185049
Score: 12.8062
Type of gen. func.: ogf

$$-\frac{x^5 + x^4 + 3 x^3 + 2 x^2 + x + 1}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A185055
Score: 17.3529
Type of gen. func.: ogf

$$-\frac{2 x^2}{(5 x - 1) (x - 1)^2}$$

Sequence: A185055
Score: 7.19130
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 11 a(n + 1) - 5 a(n), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A185055
Score: 9.73456
Type of gen. func.: ogf

$$5 f(x) x^3 - 11 f(x) x^2 + 7 f(x) x + 2 x^2 - f(x)$$

Sequence: A185057
Score: 7.58392
Type of gen. func.: lgdogf

$$\frac{6 x^{11} + 3 x^{10} + 2 x^7 - 9 x^6 - 2 x^5 + 5 x^4 + 3 x^2 + 8 x + 4}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (3 x^6 - x^2 - 3 x - 1)}$$

Sequence: A185057
Score: 9.00069
Type of gen. func.: ogf

$$\frac{x (x + 1) (3 x^6 - x^2 - 3 x - 1)}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A185058
Score: 8.36264

Type of gen. func.: ogf

$$\frac{x \left(3 x^{8} - x^{5} - x^{4} - x^{3} - x^{2} - 4 x - 1\right)}{(x - 1) \left(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1\right)}$$

Sequence: A185059
Score: 8.64571
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{6} - x^{5} + x^{4} + x - 1}{-x^{7} + 1}$$

Sequence: A185061
Score: 10.5401
Type of gen. func.: lgdogf

$$\frac{x^{7} - x^{6} - 2 x^{5} + 11 x^{3} - 7 x^{2} + 8 x + 2}{(x - 1) (x + 1) \left(x^{6} - x^{5} - 3 x^{4} + 4 x^{3} - x^{2} - x - 1\right)}$$

Sequence: A185061
Score: 7.49675
Type of gen. func.: ogf

$$\frac{x^{6} - x^{5} - 3 x^{4} + 4 x^{3} - x^{2} - x - 1}{(x + 1)^{2} (x - 1)^{3}}$$

Sequence: A185065
Score: 13.6293
Type of gen. func.: lgdogf

$$- \frac{2 \left(x^{3} - 24 x^{2} - 27 x - 10\right)}{(x - 1) \left(x^{3} - 17 x^{2} - 5 x - 3\right)}$$

Sequence: A185065
Score: 3.60810
Type of gen. func.: ogf

$$\{(121 n^2 + 635 n + 786) a(n + 1) + (-116 n^2 - 44 n + 552) a(n + 2) + (-5 n^2 - 87 n - 154) a(n + 3), a(0) = 0, a(1) = 3, a(2) = 20\}$$

Sequence: A185065
Score: 7.37308
Type of gen. func.: ogf

$$\frac{x (x^3 - 17 x^2 - 5 x - 3)}{(x - 1)^5}$$

Sequence: A185080
Score: 3.87580
Type of gen. func.: ogf

$$\{(-44 n^2 - 198 n - 220) a(n + 1) + (347 n^2 + 2575 n + 4734) a(n + 2) + (-84 n^2 - 672 n - 1260) a(n + 3), a(0) = 7, a(1) = 27, a(2) = 100\}$$

Sequence: A185080
Score: 7.52133
Type of gen. func.: ogf

$$4 f(x)^2 x^3 - f(x)^2 x^2 + 4 f(x) x^2 + 23 f(x) x - 6 f(x) + x + 42$$

Sequence: A185087
Score: 10.0076
Type of gen. func.: lgdogf

$$- \frac{2 - x + 2 (x - 1)^{1/2} (4 x^2 + x - 1)^{1/2}}{(x - 1)^{1/2} x (4 x^2 + x - 1)^{1/2}}$$

Sequence: A185087
Score: 3.58930
Type of gen. func.: ogf

$$\{(-4 n - 14) a(n + 1) + (3 n + 15) a(n + 2) + (2 n + 13) a(n + 3) + (-n - 8) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 5\}$$

Sequence: A185087
Score: 9.27623
Type of gen. func.: ogf

$$f(x)^2 x^4 + 2 f(x) x^2 + f(x) x - f(x) + 1$$

Sequence: A185089
Score: 7.8801
Type of gen. func.: ogf

$$2 f(x)^2 x^3 - 2 f(x)^2 x^2 + f(x) x^2 - f(x) x + f(x) - 1$$

Sequence: A185096
Score: 12.6347
Type of gen. func.: ogf

$$- \frac{12 x (3 + x) (1 + 3 x)}{(x - 1)^5}$$

Sequence: A185096
Score: 30.2243
Type of gen. func.: lgdogf

$$- \frac{9 x^2 + 46 x + 25}{(x - 1) (3 + x) (1 + 3 x)}$$

Sequence: A185096
Score: 5.41488
Type of gen. func.: ogf

$$\{(9 + 3 n) a(n + 4) + (-11 + 7 n) a(n + 3) + (-53 - 7 n) a(n + 2) + (-9 - 3 n) a(n + 1), a(0) = 0, a(1) = 36, a(2) = 300, a(3) = 1176\}$$

Sequence: A185098
Score: 5.11953
Type of gen. func.: ogf

$$-\frac{8 x^6 - 36 x^5 + 22 x^4 + 67 x^3 - 82 x^2 - 20 x + 23}{(2 x + 1) (2 x - 1) (4 x - 1) (x - 1)^3}$$

Sequence: A185108
Score: 4.41476
Type of gen. func.: ogf

$$\{(n + 4) a(n + 1) + (-n - 6) a(n + 2) + a(n + 3), a(0) = 0, a(1) = 1, a(2) = 5\}$$

Sequence: A185114
Score: 17.8018
Type of gen. func.: ogf

$$-x^4 - f(x) x + f(x) + x - 1$$

Sequence: A185114
Score: 20.9665
Type of gen. func.: ogf

$$-\frac{x^4 - x + 1}{x - 1}$$

Sequence: A185114
Score: 33.5310
Type of gen. func.: lgdogf

$$\frac{x^3 (-4 + 3 x)}{4}$$

$$(x - 1) (x - x + 1)$$

Sequence: A185114
Score: 8.98566
Type of gen. func.: ogf

$$\{-a(n + 5) + a(n + 4), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 1\}$$

Sequence: A185115
Score: 17.7145
Type of gen. func.: ogf

$$-x^5 - f(x) x + f(x) + x - 1$$

Sequence: A185115
Score: 20.8638
Type of gen. func.: ogf

$$-\frac{x^5 - x + 1}{x - 1}$$

Sequence: A185115
Score: 33.5310
Type of gen. func.: lgdogf

$$\frac{x^4 (-5 + 4 x)}{(x - 1) (x^5 - x + 1)}$$

Sequence: A185115
Score: 8.09370
Type of gen. func.: ogf

$$\{-a(n + 6) + a(n + 5), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 1\}$$

Sequence: A185116
Score: 17.6273
Type of gen. func.: ogf

$$-x^{6} - f(x) x + f(x) + x - 1$$

Sequence: A185116
Score: 20.7610
Type of gen. func.: ogf

$$-\frac{x^{6} - x + 1}{x - 1}$$

Sequence: A185116
Score: 33.5310
Type of gen. func.: lgdogf

$$\frac{x^{5} (-6 + 5 x)}{(x - 1) (x^{6} - x + 1)}$$

Sequence: A185116
Score: 7.35625
Type of gen. func.: ogf

$\{-a(n + 7) + a(n + 6), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0,$

$a(5) = 0, a(6) = 1\}$

Sequence: A185117
Score: 20.6582
Type of gen. func.: ogf

$$-\frac{x^{7} - x + 1}{x - 1}$$

Sequence: A185117
Score: 33.5310
Type of gen. func.: lgdogf

$$\frac{x^{6}\,(-7+6x)}{(x-1)\,(x^{7}-x+1)}$$

Sequence: A185117
Score: 7.15092
Type of gen. func.: ogf

{a(n + 1) - a(n), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0,

a(6) = 0, a(7) = 1}

Sequence: A185118
Score: 19.5598
Type of gen. func.: lgdogf

$$\frac{x^{7}\,(-8+7x)}{(x-1)\,(x^{2}-x+1)\,(x^{6}+x^{5}-x^{3}-x^{2}+1)}$$

Sequence: A185118
Score: 20.5554
Type of gen. func.: ogf

$$-\frac{(x^{2}-x+1)\,(x^{6}+x^{5}-x^{3}-x^{2}+1)}{x-1}$$

Sequence: A185118
Score: 6.56024
Type of gen. func.: ogf

{-a(n + 1) + a(n), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0,

a(6) = 0, a(7) = 0, a(8) = 1}

Sequence: A185119
Score: 20.4526
Type of gen. func.: ogf

$$-\frac{x^{9} - x + 1}{x - 1}$$

Sequence: A185119
Score: 33.5310
Type of gen. func.: lgdogf

$$\frac{x^{8} (-9 + 8 x)}{(x - 1) (x^{9} - x + 1)}$$

Sequence: A185119
Score: 6.05506
Type of gen. func.: ogf

{-a(n + 1) + a(n), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0,

a(6) = 0, a(7) = 0, a(8) = 0, a(9) = 1}

Sequence: A185123
Score: 13.8809
Type of gen. func.: ogf

$$\frac{70 x + 11}{(10 x - 1) (x - 1)}$$

Sequence: A185123
Score: 14.5302
Type of gen. func.: lgdogf

$$-\frac{700 x^{2} + 220 x - 191}{(70 x + 11) (x - 1) (10 x - 1)}$$

Sequence: A185123
Score: 7.08506
Type of gen. func.: ogf

2

$$(1881 f(x) + 15790) (10 f(x) x - 11 f(x) x + f(x) - 70 x - 11)$$

Sequence: A185123
Score: 7.81800
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 11, a(1) = 191\}$$

Sequence: A185127
Score: 13.8809
Type of gen. func.: ogf

$$\frac{10 x + 11}{(10 x - 1) (x - 1)}$$

Sequence: A185127
Score: 14.5302
Type of gen. func.: lgdogf

$$-\frac{100 x^2 + 220 x - 131}{(10 x + 11) (x - 1) (10 x - 1)}$$

Sequence: A185127
Score: 7.15964
Type of gen. func.: ogf

$$(1221 f(x) + 3730) (10 f(x) x^2 - 11 f(x) x + f(x) - 10 x - 11)$$

Sequence: A185127
Score: 7.81800
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 11, a(1) = 131\}$$

Sequence: A185132
Score: 3.47259
Type of gen. func.: ogf

$\{(12 n + 24) a(n + 1) + (40 n + 68) a(n + 2) + (-31 n - 107) a(n + 3)$

$+ (4 n + 20) a(n + 4), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 4\}$

Sequence: A185132
Score: 30.2295
Type of gen. func.: revogf

$$-\frac{x (4 x - 1)}{x^2 - 4 x + 1}$$

Sequence: A185132
Score: 9.15498
Type of gen. func.: ogf

$$-f(x)^2 x^2 - 4 f(x)^2 x + 4 f(x) x + f(x) - 1$$

Sequence: A185138
Score: 5.73567
Type of gen. func.: ogf

$$-\frac{x^2 (3 x^8 + x^7 + 5 x^6 + 3 x^5 + 12 x^4 + 3 x^3 + 3 x^2 + x + 1)}{(x - 1)^3 (x + 1)^3 (x^2 + 1)^3}$$

Sequence: A185151
Score: 39.4102
Type of gen. func.: revegf]

$$-1 - x^2 + \exp(x)$$

Sequence: A185170
Score: 8.91637
Type of gen. func.: ogf

```
              6    5      4
           3 x  - x  + 2 x  - x + 1
       - -------------------------------
          4    3    2                 3
```

$$(x + x + x + x + 1) (x - 1)$$

Sequence: A185175
Score: 8.07720
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^6 + x^5 - x^3 - x^2 + 1}{-x^7 + 1}$$

Sequence: A185190
Score: 46.3259
Type of gen. func.: revegf]

$$-\operatorname{arcsinh}(x)^2 + x$$

Sequence: A185212
Score: 13.0429
Type of gen. func.: ogf

$$-\frac{21 x^2 + 2 x + 1}{(x - 1)^3}$$

Sequence: A185212
Score: 6.79545
Type of gen. func.: ogf

$$(4752 f(x) - 35545) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 21 x^2 - f(x) + 2 x + 1)$$

Sequence: A185212
Score: 7.15627
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 5, a(2) = 33\}$$

Sequence: A185220
Score: 9.61392
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3 x^4 - 2 x^2 - x - 3}{x^5 + x^4 + x^3 + x^2 + x + 1}$$

Sequence: A185247
Score: 5.27638
Type of gen. func.: ogf

$$\{(256 n^3 + 1152 n^2 + 1712 n + 840) a(n + 1) + (-n^3 - 14 n^2 - 59 n - 70) a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A185248
Score: 4.33654
Type of gen. func.: ogf

$$\{(64 n^3 + 480 n^2 + 1136 n + 840) a(n + 1) + (-n^3 - 12 n^2 - 44 n - 48) a(n + 2), a(0) = 1, a(1) = 8\}$$

Sequence: A185265
Score: 10.8183
Type of gen. func.: lgdogf

$$-\frac{x^8 + 2 x^7 - 2 x^6 - 4 x^5 + 6 x^4 + 10 x^3 + 4 x^2 + 2 x + 2}{(x + 1) (x^4 + x^3 + 1) (x^5 + x^4 + x^2 + x - 1)}$$

Sequence: A185265
Score: 10.9907
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^4 + x^3 + 1)}{x^5 + x^4 + x^2 + x - 1}$$

Sequence: A185270
Score: 5.12380
Type of gen. func.: ogf

$$-\frac{648 x (x + 1) (x^4 + 56 x^3 + 246 x^2 + 56 x + 1)}{(x - 1)^7}$$

Sequence: A185273
Score: 11.0331
Type of gen. func.: ogf

$$-\frac{x^4 + 6 x^3 + 5 x^2 + 6 x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A185276
Score: 10.6216
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^2 - x + 1) (x - 1)^2 (x + 1)^2}{(x^2 + 1) (x^8 - x^6 + x^4 - x^2 + 1)}$$

Sequence: A185284
Score: 9.21523
Type of gen. func.: lgdogf

$$a(n + 2) - 27 a(n), a(0) = 0, a(1) = 2$$

Sequence: A185292
Score: 16.0831
Type of gen. func.: lgdogf

$$-\frac{4 (2 x^3 + 3 x^2 + 1)}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A185292
Score: 25.5811
Type of gen. func.: ogf_with_Euler_transform]

$$4 x^{2} - 4 x + 4$$

Sequence: A185292
Score: 6.56455
Type of gen. func.: ogf

$$\frac{x^{4} (x + 1)^{4}}{(x - 1)^{4} (x^{2} + x + 1)^{4}}$$

Sequence: A185295
Score: 8.14451
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{6} - x^{4} + x^{3} + x^{2} - x}{-x^{7} + 1}$$

Sequence: A185298
Score: 11.2682
Type of gen. func.: lgdegf]

$$-n a(n) + (n^{2} - 2 n - 3) a(n + 1) + (2 n^{2} + 6 n + 4) a(n + 2), a(0) = 2,$$

$$a(1) = 2$$

Sequence: A185308
Score: 4.71033
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 1) + (n + 3) a(n + 2) - a(n + 4) + 2 a(n + 3), a(0) = 0,$$

$$a(1) = 0, a(2) = 1, a(3) = 2\}$$

Sequence: A185309
Score: 4.81318
Type of gen. func.: ogf

$$\{(n + 4) a(n + 1) + (-n - 4) a(n + 2) + a(n + 4) - 2 a(n + 3), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 2\}$$

Sequence: A185325
Score: 28.6604
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^4}{x - 1}$$

Sequence: A185326
Score: 29.2877
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^5}{x - 1}$$

Sequence: A185327
Score: 29.2207
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^6}{x - 1}$$

Sequence: A185328
Score: 28.9979
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^7}{x - 1}$$

Sequence: A185329

Score: 29.7395
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^8}{x-1}$$

Sequence: A185335
Score: 3.21098
Type of gen. func.: ogf

$$(f(x)-1)^2\,(x^5+2\,f(x)\,x-f(x)-2\,x+1)$$

Sequence: A185336
Score: 8.64335
Type of gen. func.: ogf

$$-(f(x)-1)^3$$

Sequence: A185338
Score: 6.67227
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2\,x^8-x^7-x-2}{x^{10}-x^8+x^2-1}$$

Sequence: A185344
Score: 11.482
Type of gen. func.: ogf

$$-(f(x)-1)^3$$

Sequence: A185346
Score: 17.0952
Type of gen. func.: ogf

$$\frac{17\,x-8}{}$$

$$(2 x - 1) (x - 1)$$

Sequence: A185346
Score: 8.45568
Type of gen. func.: ogf

$$-(11 f(x) + 137) (2 f(x) x^2 - 3 f(x) x + f(x) - 17 x + 8)$$

Sequence: A185346
Score: 9.58998
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = -8, a(1) = -7\}$$

Sequence: A185355
Score: 4.21195
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + 6 n a(n + 3) + (-37 - 5 n) a(n + 2) + (-2 n - 6) a(n + 1),$$
$$a(0) = 0, a(1) = 1, a(2) = 12, a(3) = 52\}$$

Sequence: A185355
Score: 9.64181
Type of gen. func.: ogf

$$- \frac{x (2 x^2 + 7 x + 1)}{(x - 1)^5}$$

Sequence: A185357
Score: 17.3456
Type of gen. func.: ogf

$$- \frac{1}{x^{20} - x^{18} + x^2 + x - 1}$$

Sequence: A185364
Score: 7.43228
Type of gen. func.: ogf

$$(f(x) - 1)^2$$

Sequence: A185369
Score: 27.8356
Type of gen. func.: lgdegf]

$$-\frac{x (x - 2)}{2 (x - 1)^2}$$

Sequence: A185375
Score: 3.34860
Type of gen. func.: ogf

$$\{(-72 n^2 - 324 n - 360) a(n + 1) + (74 n^2 - 93 n + 91) a(n + 2)$$

$$+ (-2 n^2 - 3 n - 1) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A185375
Score: 4.78371
Type of gen. func.: ogf

$$-\frac{x^2 (9 x^4 + 196 x^3 + 350 x^2 + 84 x + 1)}{(x - 1)^7}$$

Sequence: A185375
Score: 8.16757
Type of gen. func.: lgdogf

$$-\frac{27 x^4 + 820 x^3 + 2338 x^2 + 1204 x + 91}{(x - 1) (9 x^4 + 196 x^3 + 350 x^2 + 84 x + 1)}$$

Sequence: A185392
Score: 5.55179
Type of gen. func.: ogf

$$\frac{x^{12}+x^{10}+x^{9}-2x^{8}+x^{7}+x^{6}-x^{5}-x^{4}+2x^{3}-x^{2}+2}{(x+1)(x^{10}-x^{9}+x^{8}-x^{7}+x^{6}-x^{5}+x^{4}-x^{3}+x^{2}-x+1)(x-1)^{2}}$$

Sequence: A185394
Score: 6.98954
Type of gen. func.: ogf

$$\frac{x(88x^{5}+17x^{4}+88x^{3}-376x^{2}-51x-152)}{(x-1)(x^{6}-6x^{3}+1)}$$

Sequence: A185395
Score: 15.4700
Type of gen. func.: lgdogf

$$-\frac{3(2x^{3}+3x^{2}+1)}{(x-1)(x+1)(x^{2}+x+1)}$$

Sequence: A185395
Score: 24.7757
Type of gen. func.: ogf_with_Euler_transform]

$$3x^{2}-3x+3$$

Sequence: A185395
Score: 7.68754
Type of gen. func.: ogf

$$-\frac{x^{3}(x+1)^{3}}{(x-1)^{3}(x^{2}+x+1)^{3}}$$

Sequence: A185401
Score: 3.13572
Type of gen. func.: ogf

$$\{(-1372 n^2 - 3430 n - 2128) a(n + 1) + (n^2 + 4 n + 4) a(n + 2), a(0) = 1, a(1) = 70\}$$

Sequence: A185402
Score: 2.73138
Type of gen. func.: ogf

$$\{(1372 n^3 + 6174 n^2 + 9198 n + 4536) a(n + 1) + (-n^3 - 6 n^2 - 12 n - 8) a(n + 2), a(0) = 1, a(1) = 140\}$$

Sequence: A185403
Score: 3.13572
Type of gen. func.: ogf

$$\{(-1372 n^2 - 3430 n - 2142) a(n + 1) + (n^2 + 4 n + 4) a(n + 2), a(0) = 1, a(1) = 84\}$$

Sequence: A185404
Score: 2.74726
Type of gen. func.: ogf

$$\{(1372 n^3 + 6174 n^2 + 9254 n + 4620) a(n + 1) + (-n^3 - 6 n^2 - 12 n - 8) a(n + 2), a(0) = 1, a(1) = 168\}$$

Sequence: A185405
Score: 4.89622
Type of gen. func.: ogf

$$-\frac{42 x^4 + 29 x^3 + 16 x^2 - 2 x - 1}{216 x^5 + 144 x^4 + 72 x^3 - 23 x^2 - 11 x + 1}$$

Sequence: A185437
Score: 14.0903
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^3 - x - 1)}{x - 1}$$

Sequence: A185437
Score: 15.1898
Type of gen. func.: lgdogf

$$\frac{4 x^5 - 5 x^4 - x^2 + 2 x + 2}{(x - 1) (x^2 + 1) (x^3 - x - 1)}$$

Sequence: A185438
Score: 14.7980
Type of gen. func.: ogf

$$- \frac{11 x^2 + 4 x + 1}{(x - 1)^3}$$

Sequence: A185438
Score: 24.3781
Type of gen. func.: lgdogf

$$- \frac{11 x^2 + 30 x + 7}{(x - 1) (11 x^2 + 4 x + 1)}$$

Sequence: A185438
Score: 7.70987
Type of gen. func.: ogf

$$(9824 f(x) - 47675) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 11 x^2 - f(x) + 4 x + 1)$$

Sequence: A185438
Score: 8.11924
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 7, a(2) = 29\}$$

Sequence: A185452
Score: 17.9592
Type of gen. func.: ogf

$$\frac{x (2 x^2 + x + 3)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A185452
Score: 24.0525
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 3 x^2 + 16 x + 1}{(x - 1) (x + 1) (2 x^2 + x + 3)}$$

Sequence: A185452
Score: 9.95915
Type of gen. func.: ogf

$$-(16224 f(x) - 150361) (f(x) x^4 - 2 f(x) x^2 - 2 x^3 - x^2 + f(x) - 3 x)$$

Sequence: A185453
Score: 15.9506
Type of gen. func.: ogf

$$-\frac{2 x^4 + 4 x^3 + 8 x^2 + 3 x + 1}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A185453
Score: 9.78868
Type of gen. func.: lgdogf

$$-\frac{2 x^8 + 8 x^7 + 24 x^6 + 12 x^5 + 5 x^4 + 8 x^3 + 12 x^2 + 16 x + 3}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (2 x^4 + 4 x^3 + 8 x^2 + 3 x + 1)}$$

Sequence: A185454
Score: 11.3028
Type of gen. func.: ogf

$$-\frac{21 x^7 + 52 x^6 + 104 x^5 + 208 x^4 + 83 x^3 + 33 x^2 + 13 x + 5}{(x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A185459
Score: 4.07774
Type of gen. func.: ogf

$$(153041 f(x) + 177670) (2 f(x) x^4 + 3 f(x) x^3 + 4 x^4 + 2 f(x) x^2 + 10 x^3 + f(x) x + 26 x^2 - f(x) + 18 x + 16)$$

Sequence: A185459
Score: 6.61802
Type of gen. func.: lgdogf

$$-\frac{(2 x + 1) (2 x^5 + 21 x^4 + 28 x^3 + 44 x^2 + 24 x + 17)}{(2 x^4 + 5 x^3 + 13 x^2 + 9 x + 8) (2 x^4 + 3 x^3 + 2 x^2 + x - 1)}$$

Sequence: A185459
Score: 7.28497
Type of gen. func.: ogf

$$-\frac{2 (2 x^4 + 5 x^3 + 13 x^2 + 9 x + 8)}{2 x^4 + 3 x^3 + 2 x^2 + x - 1}$$

Sequence: A185460
Score: 4.24307
Type of gen. func.: ogf

$$-2\,(2x^9-18x^8-7x^7-29x^6+18x^5-29x^4+38x^3+35x^2+46x+17)\Big/(3x^8-x^6-8x^5+4x^4+4x^3+5x^2-1)$$

Sequence: A185461
Score: 3.55356
Type of gen. func.: ogf

$$-2\,(32x^{11}+112x^{10}+194x^9+316x^8+357x^7+393x^6+300x^5+297x^4+139x^3+101x^2+28x+46)\Big/(2x^6+4x^5+2x^4+3x^3+2x^2+2x-1)$$

Sequence: A185479
Score: 5.96089
Type of gen. func.: ogf

$$-\frac{2x\,(2x^5+4x^4-2x^3+12x^2+7x-15)}{2x^6-3x^4+5x^3-x^2-3x+1}$$

Sequence: A185489
Score: 4.20127
Type of gen. func.: ogf

$$-\frac{4x\,(96x^6-60x^5+90x^4-32x^3+5x^2+9x-6)}{(2x-1)\,(32x^7+8x^6+16x^5+16x^4-4x^3+5x^2+x-1)}$$

Sequence: A185505
Score: 19.1069

Type of gen. func.: ogf

$$-\frac{(x + 1)(x^2 + 5x + 1)}{(x - 1)^5}$$

Sequence: A185505
Score: 35.0197
Type of gen. func.: lgdogf

$$-\frac{2x^3 + 21x^2 + 36x + 11}{(x - 1)(x + 1)(x^2 + 5x + 1)}$$

Sequence: A185505
Score: 9.28659
Type of gen. func.: ogf

$$\{(-n^2 - 5n - 6)\,a(n + 1) + (2n^2 + 12n + 38)\,a(n + 2) + (-n^2 - 7n - 12)\,a(n + 3),\ a(0) = 1,\ a(1) = 11,\ a(2) = 51\}$$

Sequence: A185513
Score: 4.48785
Type of gen. func.: ogf

$$-(370820299\,f(x) + 5322415816)\,(8\,f(x)\,x^3 - 3\,f(x)\,x^2 - 4\,f(x)\,x + 72\,x^2 + f(x) - 19\,x - 31)$$

Sequence: A185513
Score: 5.17828
Type of gen. func.: ogf

$$\{-a(n + 3) + 4\,a(n + 2) + 3\,a(n + 1) - 8\,a(n),\ a(0) = 31,\ a(1) = 143,\ a(2) = 593\}$$

Sequence: A185513

Score: 8.24558
Type of gen. func.: lgdogf

$$-\frac{576 x^4 - 304 x^3 - 399 x^2 + 42 x + 143}{(72 x^2 - 19 x - 31) (8 x^3 - 3 x^2 - 4 x + 1)}$$

Sequence: A185513
Score: 9.46655
Type of gen. func.: ogf

$$-\frac{72 x^2 - 19 x - 31}{8 x^3 - 3 x^2 - 4 x + 1}$$

Sequence: A185514
Score: 2.93871
Type of gen. func.: ogf

$$-(1159481984477557 f(x) + 54664339848134352) (224 f(x) x^4 - 154 f(x) x^3 - 11 f(x) x^2 + 6048 x^3 + 12 f(x) x - 3934 x^2 - f(x) - 227 x + 143)$$

Sequence: A185514
Score: 5.94060
Type of gen. func.: ogf

$$-\frac{6048 x^3 - 3934 x^2 - 227 x + 143}{224 x^4 - 154 x^3 - 11 x^2 + 12 x - 1}$$

Sequence: A185526
Score: 4.66003
Type of gen. func.: ogf

$$(2591 f(x) - 197154) (12 f(x) x^3 + 2 f(x) x^2 + 3 f(x) x + 504 x^2 - f(x) + 204 x + 174)$$

Sequence: A185526
Score: 4.89302
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) - 2 a(n + 1) - 12 a(n), a(0) = 174, a(1) = 726,$

$a(2) = 3030\}$

Sequence: A185526
Score: 7.66907
Type of gen. func.: lgdogf

$$-\frac{1008 x^4 + 816 x^3 + 860 x^2 + 284 x + 121}{(84 x^2 + 34 x + 29) (12 x^3 + 2 x^2 + 3 x - 1)}$$

Sequence: A185526
Score: 8.63475
Type of gen. func.: ogf

$$-\frac{6 (84 x^2 + 34 x + 29)}{12 x^3 + 2 x^2 + 3 x - 1}$$

Sequence: A185535
Score: 5.54951
Type of gen. func.: ogf

$$-\frac{30 x^4 + 19 x^3 + 8 x^2 - 2 x - 1}{125 x^5 + 75 x^4 + 25 x^3 - 19 x^2 - 9 x + 1}$$

Sequence: A185552
Score: 5.48876
Type of gen. func.: lgdogf

$$-\frac{(2 x + 1) (24 x^7 - 4 x^6 - 22 x^5 + 21 x^4 + 16 x^3 - x^2 + 12 x + 5)}{(x - 1) (6 x^3 + 7 x^2 + 3 x + 1) (8 x^5 - 8 x^3 - 7 x^2 - 3 x + 1)}$$

Sequence: A185552
Score: 7.05485
Type of gen. func.: ogf

$$-\frac{(x - 1) (6 x^3 + 7 x^2 + 3 x + 1)}{8 x^5 - 8 x^3 - 7 x^2 - 3 x + 1}$$

Sequence: A185561
Score: 10.7178
Type of gen. func.: ogf

$$-\frac{4 (-4 + 3 x)}{45 x^2 - 57 x + 1}$$

Sequence: A185561
Score: 12.5516
Type of gen. func.: lgdogf

$$-\frac{45 (x - 1) (3 x - 5)}{(-4 + 3 x) (45 x^2 - 57 x + 1)}$$

Sequence: A185561
Score: 5.41415
Type of gen. func.: ogf

$$(77836 f(x) + 20249) (45 f(x) x^2 - 57 f(x) x + f(x) + 12 x - 16)$$

Sequence: A185561
Score: 6.03647
Type of gen. func.: ogf

$$\{-a(n + 2) + 57 a(n + 1) - 45 a(n), a(0) = 16, a(1) = 900\}$$

Sequence: A185561

Score: 9.89648
Type of gen. func.: revogf

$$-\frac{-16-57x+(3069x^2+1776x+256)^{1/2}}{6(4+15x)}$$

Sequence: A185562
Score: 5.15292
Type of gen. func.: ogf

$$-\frac{4(135x^3-201x^2+97x-16)}{2025x^4-2835x^3+1371x^2-217x+1}$$

Sequence: A185590
Score: 7.27514
Type of gen. func.: ogf

$$-(66x^{11}+99x^{10}+74x^9+111x^8+83x^7+62x^6+93x^5+70x^4+105x^3+79x^2+59x+44) \Big/ ((x-1)(x+1)(x^2+x+1)(x^2-x+1)(x^2+1)(x^4-x^2+1))$$

Sequence: A185594
Score: 7.08490
Type of gen. func.: ogf

$$\frac{x^9-3x^8-2x^7-3x^6-3x^5-3x^4-3x^3-3x^2-4x-1}{(x+1)(x^2+1)(x^4+1)(x-1)^3}$$

Sequence: A185619
Score: 11.5880
Type of gen. func.: lgdogf

```
                   5      4       2
                2 x  + 5 x  + 22 x  + 1
      - ----------------------------------------
           2              4    3      2
```

```
(x  + 4 x - 1) (x  - x  + 5 x  + x + 1)
```

Sequence: A185647
Score: 12.3976
Type of gen. func.: ogf

$$\frac{(2 x + 1) (2 x^{2} + 1)}{(x - 1) (x + 1) (2 x^{2} - 1)}$$

Sequence: A185647
Score: 7.46153
Type of gen. func.: ogf

$$-(47 f(x) - 153) (2 f(x) x^{4} - 3 f(x) x^{2} - 4 x^{3} - 2 x^{2} + f(x) - 2 x - 1)$$

Sequence: A185653
Score: 17.5757
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-6 x - 9}{x^{2} - 1}$$

Sequence: A185654
Score: 14.4038
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3 x^{2} - 4 x - 4}{x^{3} - 1}$$

Sequence: A185669
Score: 17.0805
Type of gen. func.: ogf

```
           2
        3 x  + 3 x + 2
      - --------------
                    3
```

$$(x - 1)$$

Sequence: A185669
Score: 30.1728
Type of gen. func.: lgdogf

$$-\frac{3 (3 + x) (x + 1)}{(x - 1) (3 x^2 + 3 x + 2)}$$

Sequence: A185669
Score: 8.90518
Type of gen. func.: ogf

$$(3776 f(x) - 9847) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) + 3 x + 2)$$

Sequence: A185669
Score: 9.22044
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2, a(1) = 9, a(2) = 24\}$$

Sequence: A185691
Score: 15.6060
Type of gen. func.: ogf

$$-\frac{11 x + 10}{x^2 + x - 1}$$

Sequence: A185691
Score: 19.4426
Type of gen. func.: lgdogf

$$-\frac{11 x^2 + 20 x + 21}{(11 x + 10) (x^2 + x - 1)}$$

Sequence: A185691
Score: 8.24138
Type of gen. func.: ogf

$$(41 f(x) + 31) (f(x) x^2 + f(x) x - f(x) + 11 x + 10)$$

Sequence: A185691
Score: 8.73194
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 10, a(1) = 21\}$$

Sequence: A185706
Score: 11.0674
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^9}{-x^{50} + x^{40} - x^{30} + x^{20} + 1}$$

Sequence: A185708
Score: 9.00414
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^{39} - x^9}{x^{40} + x^{30} + x^{10} + 1}$$

Sequence: A185717
Score: 9.26635
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4 x^4 - x^3 - x^2 - 3 x - 3}{x^5 + x^4 + x^3 + x^2 + x + 1}$$

Sequence: A185727
Score: 8.15930

Type of gen. func.: ogf

$$\frac{x (x^{10} + x^9 + 4 x^8 + 2 x^7 + 7 x^6 + x^5 + 8 x^4 + 2 x^3 + 5 x^2 + x + 2)}{(x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2}$$

Sequence: A185742
Score: 4.32185
Type of gen. func.: ogf

$-(11 f(x) + 632)$

$(8 f(x) x^4 - 2 f(x) x^3 - f(x) x^2 + 48 x^3 + 3 f(x) x - 32 x^2 - f(x) + 24 x)$

Sequence: A185742
Score: 8.00485
Type of gen. func.: lgdogf

$$- \frac{96 x^5 - 108 x^4 + 112 x^3 - 32 x^2 + 6 x + 5}{(6 x^2 - 4 x + 3) (8 x^4 - 2 x^3 - x^2 + 3 x - 1)}$$

Sequence: A185742
Score: 8.13191
Type of gen. func.: ogf

$$- \frac{8 x (6 x^2 - 4 x + 3)}{8 x^4 - 2 x^3 - x^2 + 3 x - 1}$$

Sequence: A185761
Score: 14.3495
Type of gen. func.: ogf

$$- \frac{8 (3 x + 2)}{4 x^2 + x - 1}$$

Sequence: A185761
Score: 15.7475
Type of gen. func.: revogf

$$\frac{-16 - x + (17 x^2 + 128 x + 256)^{1/2}}{8 (6 + x)}$$

Sequence: A185761
Score: 18.3721
Type of gen. func.: lgdogf

$$- \frac{(6 x + 5) (2 x + 1)}{(3 x + 2) (4 x^2 + x - 1)}$$

Sequence: A185761
Score: 7.33072
Type of gen. func.: ogf

$$(269 f(x) - 1804) (4 f(x) x^2 + f(x) x - f(x) + 24 x + 16)$$

Sequence: A185761
Score: 8.02889
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 4 a(n), a(0) = 16, a(1) = 40\}$$

Sequence: A185762
Score: 10.5935
Type of gen. func.: ogf

$$- \frac{8 (x^2 + 10 x + 5)}{x^3 + 6 x^2 + x - 1}$$

Sequence: A185762
Score: 11.4856
Type of gen. func.: lgdogf

$$-\frac{x^4 + 20 x^3 + 74 x^2 + 62 x + 15}{(x^2 + 10 x + 5) (x^3 + 6 x^2 + x - 1)}$$

Sequence: A185762
Score: 5.70419
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - 6 a(n + 1) - a(n), a(0) = 40, a(1) = 120, a(2) = 368}

Sequence: A185762
Score: 5.8034
Type of gen. func.: ogf

$$(7 f(x) - 144) (f(x) x^3 + 6 f(x) x^2 + f(x) x + 8 x^2 - f(x) + 80 x + 40)$$

Sequence: A185763
Score: 5.69402
Type of gen. func.: lgdogf

$$\frac{2 x^8 - 26 x^7 + 89 x^6 - 4 x^5 - 296 x^4 - 2 x^3 + 399 x^2 + 260 x + 46}{(x^5 - 5 x^4 + 3 x^3 + 10 x^2 + x - 1) (x^5 - 7 x^4 + 16 x^3 - 33 x - 13)}$$

Sequence: A185763
Score: 6.54934
Type of gen. func.: ogf

$$\frac{8 (x^5 - 7 x^4 + 16 x^3 - 33 x - 13)}{x^5 - 5 x^4 + 3 x^3 + 10 x^2 + x - 1}$$

Sequence: A185764
Score: 3.52967
Type of gen. func.: ogf

$$\frac{8 (18 x^8 + 81 x^7 + 43 x^6 + 5 x^5 - 69 x^4 - 249 x^3 - 43 x^2 + 108 x + 33)}{}$$

$$6 x^7 - x^6 + x^5 + 22 x^4 - 9 x^3 - 17 x^2 - x + 1$$

Sequence: A185771
Score: 3.32032
Type of gen. func.: ogf

$$- (155520 x^8 + 177120 x^7 + 25200 x^6 - 21720 x^5 - 11880 x^4 - 7476 x^3 - 2170 x^2 - 315 x - 81) / ((24 x^3 + 24 x^2 + 3 x - 1) (576 x^6 - 72 x^4 - 24 x^2 - 1))$$

Sequence: A185787
Score: 15.5346
Type of gen. func.: ogf

$$\frac{3 x^2 + 3 x + 1}{(x - 1)^4}$$

Sequence: A185787
Score: 30.1784
Type of gen. func.: lgdogf

$$- \frac{6 x^2 + 15 x + 7}{(x - 1) (3 x^2 + 3 x + 1)}$$

Sequence: A185787
Score: 5.85732
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (1 - 2 n) a(n + 3) + 15 a(n + 2) + (9 + 3 n) a(n + 1), a(0) = 1, a(1) = 7, a(2) = 25, a(3) = 62\}$$

Sequence: A185787
Score: 7.60209
Type of gen. func.: ogf

$$(1572998 f(x) + 4483567)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 3 x^2 + f(x) - 3 x - 1)$$

Sequence: A185788
Score: 14.4692
Type of gen. func.: ogf

$$\frac{x (x^2 + 4 x + 2)}{(x - 1)^4}$$

Sequence: A185788
Score: 32.6409
Type of gen. func.: lgdogf

$$-\frac{2 (6 + x) (x + 1)}{(x - 1) (x^2 + 4 x + 2)}$$

Sequence: A185788
Score: 5.33460
Type of gen. func.: ogf

$$\{(6 + 2 n) a(n + 4) + (-8 + 2 n) a(n + 3) + (-17 - 3 n) a(n + 2)$$

$$+ (-2 - n) a(n + 1), a(0) = 0, a(1) = 2, a(2) = 12, a(3) = 37\}$$

Sequence: A185788
Score: 7.0889
Type of gen. func.: ogf

$$-(2536828 f(x) + 4873905)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 4 x^2 + f(x) - 2 x)$$

Sequence: A185790
Score: 4.97161
Type of gen. func.: ogf

$$-(1883 f(x) - 11328)$$

$$(16 f(x) x^4 + 4 f(x) x^3 + 96 x^3 + f(x) x + 60 x^2 - f(x) + 24 x + 16)$$

Sequence: A185790
Score: 5.12343
Type of gen. func.: ogf

$\{a(n + 4) - a(n + 3) - 4 a(n + 1) - 16 a(n), a(0) = 16, a(1) = 40, a(2) = 100,$

$a(3) = 260\}$

Sequence: A185790
Score: 7.00145
Type of gen. func.: lgdogf

$$- \frac{384 x^6 + 480 x^5 + 348 x^4 + 256 x^3 + 105 x^2 + 30 x + 10}{(24 x^3 + 15 x^2 + 6 x + 4) (4 x^2 + x - 1) (4 x^2 + 1)}$$

Sequence: A185790
Score: 9.06985
Type of gen. func.: ogf

$$- \frac{4 (24 x^3 + 15 x^2 + 6 x + 4)}{(4 x^2 + 1) (4 x^2 + x - 1)}$$

Sequence: A185791
Score: 5.91071
Type of gen. func.: lgdogf

$$- \frac{4 (128 x^8 - 160 x^7 + 8 x^6 - 32 x^5 - 2 x^4 + 38 x^3 + 17 x^2 + 8 x + 3)}{(32 x^4 - 20 x^3 - 6 x^2 - 7 x - 5) (16 x^5 - 16 x^4 - 2 x^2 - x + 1)}$$

Sequence: A185791
Score: 7.24407
Type of gen. func.: ogf

$$-\frac{8 (32 x^4 - 20 x^3 - 6 x^2 - 7 x - 5)}{16 x^5 - 16 x^4 - 2 x^2 - x + 1}$$

Sequence: A185799
Score: 3.48426
Type of gen. func.: ogf

$$-\frac{64 x (1008 x^6 - 1536 x^5 + 1730 x^4 - 934 x^3 + 375 x^2 - 76 x + 11)}{3456 x^8 - 4944 x^7 + 5260 x^6 - 2466 x^5 + 799 x^4 - 54 x^3 - 21 x^2 + 10 x - 1}$$

Sequence: A185818
Score: 7.02332
Type of gen. func.: ogf

$$-\frac{20 x^4 + 11 x^3 + 2 x^2 - 2 x - 1}{64 x^5 + 32 x^4 - 15 x^2 - 7 x + 1}$$

Sequence: A185828
Score: 4.69229
Type of gen. func.: ogf

$$-(8520 f(x) + 1477)$$

$$(f(x) x^4 - 2 f(x) x^3 - f(x) x^2 + 2 x^3 - 2 f(x) x - 3 x^2 + f(x) - x - 1)$$

Sequence: A185828
Score: 8.67226
Type of gen. func.: lgdogf

$$-\frac{2 x^6 - 6 x^5 + 5 x^4 + 8 x^3 - 5 x^2 + 8 x + 3}{(x^2 + x + 1) (x^2 - 3 x + 1) (2 x^3 - 3 x^2 - x - 1)}$$

Sequence: A185828
Score: 8.95799

Type of gen. func.: ogf

$$-\frac{2x^3-3x^2-x-1}{(x^2+x+1)(x^2-3x+1)}$$

Sequence: A185837
Score: 4.57747
Type of gen. func.: ogf

$$-\frac{9x(180x^4-210x^3+205x^2-69x+19)}{144x^6-144x^5+120x^4-15x^3-6x^2+6x-1}$$

Sequence: A185848
Score: 3.33887
Type of gen. func.: ogf

$$-\frac{3024x^7+4068x^6-2586x^5-5490x^4-3255x^3-1432x^2-387x-81}{288x^8+336x^7-324x^6-510x^5-252x^4-99x^3-20x^2-3x+1}$$

Sequence: A185858
Score: 12.5155
Type of gen. func.: ogf

$$-\frac{2(3x+2)}{9x^2+4x-1}$$

Sequence: A185858
Score: 13.1242
Type of gen. func.: revogf

$$\frac{-2-2x+(13x^2+14x+4)^{1/2}}{3(3x+2)}$$

Sequence: A185858
Score: 14.1337
Type of gen. func.: lgdogf

$$-\frac{27 x^2 + 36 x + 11}{(3 x + 2) (9 x^2 + 4 x - 1)}$$

Sequence: A185858
Score: 6.18899
Type of gen. func.: ogf

$$-(40 f(x) - 39) (9 f(x) x^2 + 4 f(x) x - f(x) + 6 x + 4)$$

Sequence: A185858
Score: 6.78551
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 9 a(n), a(0) = 4, a(1) = 22\}$$

Sequence: A185859
Score: 6.00435
Type of gen. func.: ogf

$$-\frac{2 (12 x^4 - 42 x^3 + 52 x^2 - 16 x - 11)}{6 x^5 - 24 x^4 + 36 x^3 - 17 x^2 - 6 x + 1}$$

Sequence: A185883
Score: 3.01251
Type of gen. func.: ogf

$$(827565101 f(x) - 1982688491) (756 f(x) x^4 + 846 f(x) x^3 + 221 f(x) x^2 + 882 x^3 + 10 f(x) x + 1053 x^2 - f(x) + 318 x + 27)$$

Sequence: A185883
Score: 5.53384
Type of gen. func.: ogf

$$-\frac{3\,(294\,x^{3}+351\,x^{2}+106\,x+9)}{756\,x^{4}+846\,x^{3}+221\,x^{2}+10\,x-1}$$

Sequence: A185899
Score: 5.06709
Type of gen. func.: ogf

$$-\frac{56\,x^{4}+41\,x^{3}+26\,x^{2}-2\,x-1}{343\,x^{5}+245\,x^{4}+147\,x^{3}-27\,x^{2}-13\,x+1}$$

Sequence: A185906
Score: 12.1219
Type of gen. func.: ogf

$$-x^{4}+x^{2}+x-1+f(x)$$

Sequence: A185906
Score: 30.6870
Type of gen. func.: lgdogf

$$\frac{4\,x^{3}-2\,x-1}{(x-1)\,(x^{3}+x^{2}-1)}$$

Sequence: A185906
Score: 6.13228
Type of gen. func.: ogf

{a(n + 5), a(0) = 1, a(1) = -1, a(2) = -1, a(3) = 0, a(4) = 1}

Sequence: A185918
Score: 14.2814
Type of gen. func.: ogf

$$(x+1)\,(13\,x-1)$$

$$-\frac{}{(x - 1)^{3}}$$

Sequence: A185918
Score: 24.0066
Type of gen. func.: lgdogf

$$-\frac{13 x^{2} + 50 x + 9}{(x - 1) (13 x - 1) (x + 1)}$$

Sequence: A185918
Score: 7.37484
Type of gen. func.: ogf

$$(54648 f(x) - 452717)$$

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 13 x^{2} - f(x) + 12 x - 1)$$

Sequence: A185918
Score: 7.96221
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = -1, a(1) = 9, a(2) = 43\}$$

Sequence: A185925
Score: 2.99048
Type of gen. func.: ogf

$$(13097 f(x) - 2922816) (144 f(x) x^{4} + 206 f(x) x^{3} + 81 f(x) x^{2} + 2688 x^{3}$$

$$+ 6 f(x) x + 4096 x^{2} - f(x) + 1856 x + 256)$$

Sequence: A185925
Score: 5.24139
Type of gen. func.: ogf

$$-\frac{64 (42 x^{3} + 64 x^{2} + 29 x + 4)}{{}^{4} \qquad {}^{3} \qquad {}^{2}}$$

$$144 x + 206 x + 81 x + 6 x - 1$$

Sequence: A185939
Score: 16.7231
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 + 13 x + 13)}{(5 + x) (x - 1) (2 x + 1)}$$

Sequence: A185939
Score: 5.26808
Type of gen. func.: ogf

$$(124 f(x) - 1127) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x) + 11 x + 5)$$

Sequence: A185939
Score: 5.40671
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 5, a(1) = 26, a(2) = 65\}$$

Sequence: A185939
Score: 9.94137
Type of gen. func.: ogf

$$-\frac{(5 + x) (2 x + 1)}{(x - 1)^3}$$

Sequence: A185940
Score: 10.1265
Type of gen. func.: lgdogf

$$-\frac{144 x^4 - 420 x^3 + 457 x^2 - 216 x + 37}{(x - 1) (3 x - 1) (2 x - 1) (24 x^2 - 35 x + 12)}$$

Sequence: A185940
Score: 11.7292
Type of gen. func.: ogf

$$-\frac{2\,(24\,x^2 - 35\,x + 12)}{(x - 1)\,(3\,x - 1)\,(2\,x - 1)}$$

Sequence: A185940
Score: 6.24914
Type of gen. func.: ogf

(9187 f(x) + 62376)

$$(6\,f(x)\,x^3 - 11\,f(x)\,x^2 + 6\,f(x)\,x + 48\,x^2 - f(x) - 70\,x + 24)$$

Sequence: A185940
Score: 6.51620
Type of gen. func.: ogf

{a(n + 3) - 6 a(n + 2) + 11 a(n + 1) - 6 a(n), a(0) = 24, a(1) = 74, a(2) = 228

}

Sequence: A185950
Score: 16.9490
Type of gen. func.: ogf

$$-\frac{4\,x^2 + 5\,x - 1}{(x - 1)^3}$$

Sequence: A185950
Score: 28.3853
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^2 + 9\,x + 1)}{(x - 1)\,(4\,x^2 + 5\,x - 1)}$$

Sequence: A185950
Score: 8.68817
Type of gen. func.: ogf

$$(21184 f(x) - 63131) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) + 5 x - 1)$$

Sequence: A185950
Score: 9.14947
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = -1, a(1) = 2, a(2) = 13\}$$

Sequence: A185963
Score: 11.8528
Type of gen. func.: ogf

$$-\frac{(x - 1)^2}{x^3 - 3 x^2 + 2 x - 1}$$

Sequence: A185963
Score: 20.1470
Type of gen. func.: lgdogf

$$-\frac{x (x^2 - 3 x + 4)}{(x - 1) (x^3 - 3 x^2 + 2 x - 1)}$$

Sequence: A185963
Score: 6.45554
Type of gen. func.: ogf

$$(65 f(x) - 1) (f(x) x^3 - 3 f(x) x^2 + 2 f(x) x + x^2 - f(x) - 2 x + 1)$$

Sequence: A185963
Score: 6.51369
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 0, a(2) = -2}

Sequence: A185964
Score: 13.8498
Type of gen. func.: lgdogf

$$-\frac{2x^4-6x^3+6x^2-x+1}{(x-1)(x^4-2x^3+x-1)}$$

Sequence: A185964
Score: 4.94541
Type of gen. func.: ogf

$$-(149 f(x)+2)(f(x)x^4-2f(x)x^3+f(x)x+x^2-f(x)-2x+1)$$

Sequence: A185964
Score: 9.48544
Type of gen. func.: ogf

$$-\frac{(x-1)^2}{x^4-2x^3+x-1}$$

Sequence: A185965
Score: 6.01147
Type of gen. func.: ogf

$$-4f(x)^3x^3+20f(x)^3x^2+4f(x)^2x^3+4f(x)^3x-20f(x)^2x^2+3f(x)^3$$
$$-4f(x)^2x-3f(x)^2+8f(x)x+f(x)-1$$

Sequence: A185966
Score: 10.4533
Type of gen. func.: ogf

$$f(x)^3x^2-f(x)^2x^2-f(x)^2x+2f(x)x+f(x)-1$$

Sequence: A185966
Score: 40.1534
Type of gen. func.: revogf

$$\frac{x\,(x^2 - x + 1)}{(x - 1)^2}$$

Sequence: A185985
Score: 4.12817
Type of gen. func.: ogf

$$-(729493\,f(x) - 437298)\,(27\,f(x)\,x^4 - 12\,f(x)\,x^3 + 7\,f(x)\,x^2 + 18\,x^3 + 4\,f(x)\,x - 12\,x^2 - f(x) + 10\,x)$$

Sequence: A185985
Score: 7.53912
Type of gen. func.: lgdogf

$$-\frac{2\,(9\,x + 1)\,(27\,x^4 - 36\,x^3 + 42\,x^2 - 19\,x + 7)}{(9\,x^2 - 6\,x + 5)\,(27\,x^4 - 12\,x^3 + 7\,x^2 + 4\,x - 1)}$$

Sequence: A185985
Score: 8.04463
Type of gen. func.: ogf

$$-\frac{2\,x\,(9\,x^2 - 6\,x + 5)}{27\,x^4 - 12\,x^3 + 7\,x^2 + 4\,x - 1}$$

Sequence: A186011
Score: 4.39122
Type of gen. func.: ogf

$$2\,(5400\,x^4 + 7272\,x^3 + 2718\,x^2 + 367\,x + 16)$$

$$- \frac{}{19440 x^5 + 25452 x^4 + 9060 x^3 + 1101 x^2 + 32 x - 1}$$

Sequence: A186025
Score: 12.0550
Type of gen. func.: lgdogf

$$- \frac{x (x^3 - 4 x + 2)}{(x - 1) (x^2 - 3 x + 1) (x^3 - 3 x^2 + 4 x - 1)}$$

Sequence: A186025
Score: 5.16662
Type of gen. func.: ogf

$\{-a(n + 4) + 4 a(n + 3) - 4 a(n + 2) + a(n + 1), a(0) = 1, a(1) = 0, a(2) = -1,$

$a(3) = -4\}$

Sequence: A186025
Score: 5.88545
Type of gen. func.: ogf

$$-f(x) (f(x) x^3 - 4 f(x) x^2 - x^3 + 4 f(x) x + 3 x^2 - f(x) - 4 x + 1)$$

Sequence: A186025
Score: 9.80909
Type of gen. func.: ogf

$$\frac{x^3 - 3 x^2 + 4 x - 1}{(x - 1) (x^2 - 3 x + 1)}$$

Sequence: A186029
Score: 14.3199
Type of gen. func.: ogf

$$- \frac{x (2 x + 5)}{3}$$

$$(x - 1)$$

Sequence: A186029
Score: 34.9861
Type of gen. func.: lgdogf

$$-\frac{17 + 4 x}{(2 x + 5) (x - 1)}$$

Sequence: A186029
Score: 7.15992
Type of gen. func.: ogf

$$(8869 f(x) - 25506) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x) + 5 x)$$

Sequence: A186029
Score: 7.28779
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 5, a(2) = 17\}$$

Sequence: A186030
Score: 13.1972
Type of gen. func.: ogf

$$-\frac{x (8 x + 5)}{(x - 1)^3}$$

Sequence: A186030
Score: 30.8732
Type of gen. func.: lgdogf

$$-\frac{23 + 16 x}{(8 x + 5) (x - 1)}$$

Sequence: A186030
Score: 6.48483

Type of gen. func.: ogf

$$(71149 f(x) - 300699) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 8 x^2 - f(x) + 5 x)$$

Sequence: A186030
Score: 6.71643
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 5, a(2) = 23\}$$

Sequence: A186044
Score: 4.38072
Type of gen. func.: ogf

$$- \frac{2 (2304 x^5 + 1056 x^4 + 1412 x^3 - 368 x^2 - 174 x - 169)}{72 x^6 + 24 x^5 + 40 x^4 - 18 x^3 - 4 x^2 - 5 x + 1}$$

Sequence: A186055
Score: 4.73859
Type of gen. func.: ogf

$$- \frac{3 (22 x^6 - 25 x^5 + 13 x^4 - 15 x^3 + 57 x^2 + 31 x + 29)}{2 x^7 - 3 x^6 + 2 x^5 - 2 x^4 + 6 x^3 + x^2 + 2 x - 1}$$

Sequence: A186069
Score: 9.44805
Type of gen. func.: lgdogf

$$(f(x) - 2)^4$$

Sequence: A186070
Score: 5.82243
Type of gen. func.: lgdegf]

$$(f(x) - 1)^4$$

Sequence: A186101
Score: 11.7013
Type of gen. func.: ogf

$$\frac{x (x^2 + 1) (x + 1)^2}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A186101
Score: 14.8021
Type of gen. func.: lgdogf

$$- \frac{2 (x^5 + 2 x^4 + 2 x^3 + 5 x^2 + x + 1)}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A186101
Score: 27.2152
Type of gen. func.: ogf_with_Euler_transform]

$$-x^3 + 2 x^2 - x + 2$$

Sequence: A186101
Score: 7.09446
Type of gen. func.: ogf

{(n + 4) a(n + 1) + (-n - 1) a(n + 4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 2}

Sequence: A186111
Score: 13.8995
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - x^4 - 4 x^3 - 12 x^2 - 6 x - 3}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A186111
Score: 25.7590
Type of gen. func.: ogf_with_Euler_transform]

$$2 x^{3} - x^{2} - 3$$

Sequence: A186111
Score: 8.06352
Type of gen. func.: ogf

$$\frac{(x^{2} + x + 1) (x - 1)^{2}}{(x^{2} + 1)^{2} (x + 1)^{2}}$$

Sequence: A186113
Score: 18.1751
Type of gen. func.: ogf

$$\frac{7 x + 6}{(x - 1)^{2}}$$

Sequence: A186113
Score: 34.8695
Type of gen. func.: lgdogf

$$- \frac{19 + 7 x}{(7 x + 6) (x - 1)}$$

Sequence: A186113
Score: 9.29409
Type of gen. func.: ogf

$$(26 f(x) + 205) (f(x) x^{2} - 2 f(x) x + f(x) - 7 x - 6)$$

Sequence: A186113
Score: 9.85398
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 6, a(1) = 19\}$$

Sequence: A186120
Score: 7.80113
Type of gen. func.: ogf

$$-\frac{2 x (8 x^4 - 4 x^3 + 2 x^2 + 12 x - 7)}{(2 x - 1) (2 x^4 - 2 x^3 + 2 x^2 + x - 1)}$$

Sequence: A186121
Score: 3.76160
Type of gen. func.: ogf

$$-\frac{2 (64 x^8 + 72 x^7 + 4 x^6 - 14 x^5 - 52 x^4 - 40 x^3 + 27 x^2 + 16 x - 7)}{(2 x - 1) (8 x^8 + 12 x^7 + 2 x^6 - 2 x^5 - 8 x^4 - 7 x^3 + 3 x^2 + 3 x - 1)}$$

Sequence: A186133
Score: 5.07497
Type of gen. func.: ogf

$$(382 f(x) - 3447)$$

$$(24 f(x) x^3 + 24 f(x) x^2 + 3 f(x) x + 270 x^2 - f(x) + 315 x + 81)$$

Sequence: A186133
Score: 5.20184
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 24 a(n + 1) - 24 a(n), a(0) = 81, a(1) = 558,$$

$$a(2) = 3888\}$$

Sequence: A186133
Score: 8.16591
Type of gen. func.: lgdogf

$$2 (1 + 3 x) (120 x^3 + 240 x^2 + 153 x + 31)$$

$$-\frac{}{(30 x^2 + 35 x + 9)\,(24 x^3 + 24 x^2 + 3 x - 1)}$$

Sequence: A186133
Score: 9.17972
Type of gen. func.: ogf

$$-\frac{9\,(30 x^2 + 35 x + 9)}{24 x^3 + 24 x^2 + 3 x - 1}$$

Sequence: A186143
Score: 2.50726
Type of gen. func.: ogf

$$(f(x)\,x - f(x) + 1)^2$$

Sequence: A186161
Score: 5.92905
Type of gen. func.: ogf

$$-\frac{12 x^4 + 5 x^3 - 2 x^2 - 2 x - 1}{27 x^5 + 9 x^4 - 9 x^3 - 11 x^2 - 5 x + 1}$$

Sequence: A186181
Score: 10.326
Type of gen. func.: ogf

$$-(10\,f(x) + 9)\,(f(x)\,x^4 + x^4 + 2 x^3 + 3 x^2 - f(x) + 2 x + 1)$$

Sequence: A186181
Score: 15.2507
Type of gen. func.: ogf

$$-\frac{(x^2 + x + 1)^2}{^{2}}$$

$$(x - 1) (x + 1) (x + 1)$$

Sequence: A186181
Score: 19.4536
Type of gen. func.: lgdogf

$$-\frac{2 (x^4 + 2 x^3 + 2 x + 1)}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A186181
Score: 34.1122
Type of gen. func.: ogf_with_Euler_transform]

$$x^3 - 2 x^2 + 2$$

Sequence: A186185
Score: 3.43449
Type of gen. func.: ogf

$$-3 f(x)^3 x^2 + 3 f(x)^3 x + 4 f(x)^2 x^2 - f(x)^3 - 7 f(x)^2 x - 3 f(x) x^2 + 3 f(x)^2 + 6 f(x) x + x^2 - 3 f(x) - 2 x + 1$$

Sequence: A186187
Score: 11.0532
Type of gen. func.: lgdogf

$$-\frac{2 (x^8 - 2 x^7 + 6 x^6 - 6 x^5 + 6 x^4 - 6 x^3 + 6 x^2 - 2 x + 1)}{(x - 1) (x + 1) (x^2 + 1) (x^2 - x + 1) (x^4 + 1)}$$

Sequence: A186187
Score: 24.1282
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 - 2 x^5 + 2 x^2 - 2 x + 2$$

Sequence: A186187
Score: 8.47259
Type of gen. func.: ogf

$$-\frac{(x^2 - x + 1)^2 (x + 1)^3}{(x - 1) (x^4 + 1) (x^2 + 1)}$$

Sequence: A186194
Score: 4.45787
Type of gen. func.: ogf

$$-(1021669 f(x) + 79701)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 90 x^2 - f(x) + 2 x)$$

Sequence: A186194
Score: 4.78945
Type of gen. func.: ogf

$$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 0, a(1) = 2, a(2) = 132\}$$

Sequence: A186194
Score: 8.52834
Type of gen. func.: lgdogf

$$-\frac{6 (15000 x^3 - 8825 x^2 + 370 x - 11)}{(x - 1) (100 x - 1) (10 x - 1) (45 x - 1)}$$

Sequence: A186194
Score: 8.78065
Type of gen. func.: ogf

$$\frac{2 x (45 x - 1)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A186195
Score: 12.5137
Type of gen. func.: lgdogf

$$\frac{x - 1 + (9 x^2 + 2 x + 1)^{1/2}}{2 (9 x^2 + 2 x + 1)^{1/2} x (2 x + 1)}$$

Sequence: A186195
Score: 4.14517
Type of gen. func.: ogf

{18 n a(n) + (13 n + 6) a(n + 1) + (4 n + 9) a(n + 2) + (n + 3) a(n + 3),

a(0) = 1, a(1) = 1, a(2) = 0}

Sequence: A186195
Score: 9.59635
Type of gen. func.: ogf

$$-2 f(x)^2 x - f(x)^2 + 5 f(x) x + f(x) - 2 x$$

Sequence: A186209
Score: 16.6573
Type of gen. func.: ogf_with_Euler_transform]

$$-12 x^{10} - \frac{12}{x - 1}$$

Sequence: A186229
Score: 6.65989
Type of gen. func.: ogf

$\{(-48 n^2 - 176 n - 156) a(n + 1) + (3 n^2 + 13 n + 12) a(n + 2), a(0) = 1,$

$a(1) = 14\}$

Sequence: A186231
Score: 6.81393

Type of gen. func.: ogf

$\{(-32 n^2 - 128 n - 126) a(n + 1) + (2 n^2 + 9 n + 9) a(n + 2), a(0) = 1,$

$a(1) = 15\}$

Sequence: A186235
Score: 11.9591
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^4 + 23 x^3 + 30 x^2 + 48 x + 9)}{(x - 1) (x + 1) (x^3 + 9 x^2 + 8 x + 10)}$$

Sequence: A186235
Score: 7.41392
Type of gen. func.: ogf

$$\frac{x^3 + 9 x^2 + 8 x + 10}{(x + 1)^3 (x - 1)^4}$$

Sequence: A186239
Score: 30.6840
Type of gen. func.: revogf

$$\frac{x}{2 x^3 + x^2 + x + 1}$$

Sequence: A186239
Score: 9.73696
Type of gen. func.: ogf

$$2 f(x)^3 x^3 + f(x)^2 x^2 + f(x) x - f(x) + 1$$

Sequence: A186240
Score: 10.213
Type of gen. func.: ogf

$$3 f(x)^3 x^3 + f(x)^2 x^2 + f(x) x - f(x) + 1$$

Sequence: A186240
Score: 14.8538
Type of gen. func.: revogf

$$\frac{x}{3 x^3 + x^2 + x + 1}$$

Sequence: A186244
Score: 16.1427
Type of gen. func.: ogf

$$\frac{x^2}{(3 x - 1) (2 x^2 + 2 x - 1)}$$

Sequence: A186244
Score: 18.4553
Type of gen. func.: lgdogf

$$- \frac{18 x^2 + 8 x - 5}{(3 x - 1) (2 x^2 + 2 x - 1)}$$

Sequence: A186244
Score: 6.60382
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 4 a(n + 1) - 6 a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A186244
Score: 6.78898
Type of gen. func.: ogf

$$-(4 f(x) - 1) (6 f(x) x^3 + 4 f(x) x^2 - 5 f(x) x - x^2 + f(x))$$

Sequence: A186246
Score: 6.87489
Type of gen. func.: ogf

$$\{(-4 n^2 - 14 n - 12) a(n + 1) - a(n + 2), a(0) = -1, a(1) = 2\}$$

Sequence: A186262
Score: 4.62934
Type of gen. func.: ogf

$$\{(16 n^3 + 112 n^2 + 252 n + 180) a(n + 1) + (-n^3 - 11 n^2 - 38 n - 40) a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A186264
Score: 5.50450
Type of gen. func.: ogf

$$\{(16 n^2 + 80 n + 100) a(n + 1) + (-n^2 - 9 n - 20) a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A186264
Score: 6.68021
Type of gen. func.: ogf

$$-3/4 \frac{\mathrm{hypergeom}([5/2, 5/2], [2], 16 x) (16 x - 1)^3}{x^2} + \frac{-6 x - 3}{4 x^2}$$

Sequence: A186266
Score: 14.6137
Type of gen. func.: ogf

$$\mathrm{hypergeom}([1/2, 3/2], [4], 16 x)$$

Sequence: A186266
Score: 5.89262

Type of gen. func.: ogf

$$\{(-16 n^2 - 64 n - 60) a(n + 1) + (n^2 + 7 n + 10) a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A186272
Score: 7.86489
Type of gen. func.: ogf

$$\frac{(x - 1) (x + 1) (x^4 + 2 x^3 + x - 1)}{(x^2 + x - 1) (x^3 + x^2 + x - 1)}$$

Sequence: A186314
Score: 17.4544
Type of gen. func.: ogf

$$- \frac{x^2}{(3 x - 1) (x^2 - 3 x + 1)}$$

Sequence: A186314
Score: 20.7548
Type of gen. func.: lgdogf

$$- \frac{9 x^2 - 20 x + 6}{(3 x - 1) (x^2 - 3 x + 1)}$$

Sequence: A186314
Score: 6.60436
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 10 a(n + 1) - 3 a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A186314
Score: 8.94006
Type of gen. func.: ogf

$$3 f(x) x^3 - 10 f(x) x^2 + 6 f(x) x + x^2 - f(x)$$

Sequence: A186334
Score: 6.56408
Type of gen. func.: ogf

$$f(x)^2 x^4 + f(x)^2 x^3 - f(x)^2 x^2 - f(x) x^2 - f(x) x + f(x) - 1$$

Sequence: A186335
Score: 18.0284
Type of gen. func.: lgdogf

$$- \frac{(2 x - 1) (5 x^2 + 7 x + 1)}{(5 x^2 + x - 1) (x^2 + x - 1)}$$

Sequence: A186335
Score: 8.15138
Type of gen. func.: ogf

$$-5 f(x)^2 x^4 - 6 f(x)^2 x^3 + 5 f(x)^2 x^2 + 2 f(x)^2 x - f(x)^2 + 1$$

Sequence: A186338
Score: 13.0011
Type of gen. func.: revogf

$$1/4 + \frac{3 x}{4} - \frac{x^2}{2} - \frac{(4 x^4 - 12 x^3 + 13 x^2 - 2 x + 1)^{1/2}}{4}$$

Sequence: A186338
Score: 8.98487
Type of gen. func.: ogf

$$-2 f(x)^2 x^2 + f(x)^2 x + 3 f(x) x - f(x) - 2 x + 1$$

Sequence: A186347
Score: 17.5425
Type of gen. func.: ogf

$$\frac{x^4 - x^2 - 1}{(x^2 + 1)(x + 1)(x - 1)^3}$$

Sequence: A186347
Score: 20.9421
Type of gen. func.: lgdogf

$$-\frac{2(x^7 + x^6 - x^5 - 2x^3 - 2x^2 - 2x - 1)}{(x - 1)(x + 1)(x^2 + 1)(x^4 - x^2 - 1)}$$

Sequence: A186349
Score: 14.6489
Type of gen. func.: ogf

$$\frac{x^5 - x^4 + x^3 - x^2 - 1}{(x^2 + 1)(x + 1)(x - 1)^3}$$

Sequence: A186349
Score: 17.1112
Type of gen. func.: lgdogf

$$-\frac{x^8 + 3x^6 - 2x^5 + 3x^4 - 10x^3 - x^2 - 4x - 2}{(x - 1)(x + 1)(x^2 + 1)(x^5 - x^4 + x^3 - x^2 - 1)}$$

Sequence: A186351
Score: 15.0858
Type of gen. func.: ogf

$$\frac{x^3 - 2x^2 + 2x - 2}{(x^2 + 1)(x - 1)^3}$$

Sequence: A186351
Score: 19.1670
Type of gen. func.: lgdogf

$$-\frac{2x^5 - 5x^4 + 8x^3 - 11x^2 + 4x - 4}{(x-1)(x^2+1)(x^3 - 2x^2 + 2x - 2)}$$

Sequence: A186351
Score: 5.43343
Type of gen. func.: ogf

$$\{(n^2 + 13n + 38)a(n+1) + (-n^2 - 11n - 26)a(n+2) + (n^2 + 13n + 38)a(n+3) + (-n^2 - 11n - 26)a(n+4),\ a(0) = 2,\ a(1) = 4,\ a(2) = 6,\ a(3) = 9\}$$

Sequence: A186353
Score: 20.3374
Type of gen. func.: ogf

$$\frac{x^3 - x^2 - 1}{(x^2+1)(x-1)^3}$$

Sequence: A186353
Score: 33.2526
Type of gen. func.: lgdogf

$$-\frac{2x^5 - 2x^4 - 3x^2 - 3}{(x-1)(x^2+1)(x^3 - x^2 - 1)}$$

Sequence: A186353
Score: 6.98021
Type of gen. func.: ogf

$$\{(n^2 + 13 n + 36) a(n + 1) + (-n^2 - 11 n - 24) a(n + 2) + (n^2 + 13 n + 36) a(n + 3) + (-n^2 - 11 n - 24) a(n + 4), a(0) = 1, a(1) = 3, a(2) = 6, a(3) = 9\}$$

Sequence: A186355
Score: 18.9822
Type of gen. func.: ogf

$$\frac{x^3 - x - 1}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A186355
Score: 24.4722
Type of gen. func.: lgdogf

$$- \frac{2 x^5 + 2 x^4 - 2 x^3 - 4 x^2 - 4 x - 3}{(x - 1) (x^2 + x + 1) (x^3 - x - 1)}$$

Sequence: A186355
Score: 6.70472
Type of gen. func.: ogf

$$\{(n^2 + 15 n + 44) a(n + 1) + (2 n + 14) a(n + 2) + (2 n + 14) a(n + 3) + (-n^2 - 13 n - 30) a(n + 4), a(0) = 1, a(1) = 3, a(2) = 5, a(3) = 7\}$$

Sequence: A186357
Score: 19.6102
Type of gen. func.: ogf

$$\frac{x^4 - x^2 - 1}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A186357
Score: 26.1739
Type of gen. func.: lgdogf

$$-\frac{(x^2+2)(x^4+2x^3-3x^2-2x-1)}{(x-1)(x^2+x+1)(x^4-x^2-1)}$$

Sequence: A186359
Score: 4.20001
Type of gen. func.: ogf

$\{(-2-n)\,a(n+1)+a(n+2)+(-n-4)\,a(n+3)+a(n+4),\ a(0)=1,$

$a(1)=0,\ a(2)=0,\ a(3)=1\}$

Sequence: A186371
Score: 12.1510
Type of gen. func.: egf]

$$\frac{x\,(x^2-3x+6)}{6\,(x-1)^2}$$

Sequence: A186371
Score: 25.7516
Type of gen. func.: lgdegf]

$$\frac{-9+x}{(x-1)(x^2-3x+6)}$$

Sequence: A186371
Score: 3.18895
Type of gen. func.: ogf

$\{(n^2+2n)\,a(n+1)+(-3n^2-16n-14)\,a(n+2)$

$+(4n^2+35n+66)\,a(n+3)+(-12-4n)\,a(n+4),\ a(0)=0,\ a(1)=1,$

$a(2)=3,\ a(3)=13\}$

Sequence: A186371
Score: 7.49742
Type of gen. func.: egf]

$$-f(x) (6 f(x) x^2 - x^3 - 12 f(x) x + 3 x^2 + 6 f(x) - 6 x)$$

Sequence: A186375
Score: 3.01536
Type of gen. func.: ogf

$$\{(-64 n^2 - 256 n - 252) a(n + 1) + (20 n^2 + 100 n + 126) a(n + 2)$$
$$+ (-n^2 - 6 n - 9) a(n + 3), a(0) = 1, a(1) = 6, a(2) = 54\}$$

Sequence: A186380
Score: 9.71107
Type of gen. func.: ogf

$$\frac{x^7 - x^6 + x^5 - 2 x^4 + 2 x^3 - 2 x^2 + x - 1}{(x^4 + 1) (x^2 + 1) (x - 1)^3}$$

Sequence: A186382
Score: 10.0618
Type of gen. func.: ogf

$$\frac{x^8 - x^7 + x^5 - 2 x^4 + 2 x^3 - 2 x^2 + x - 1}{(x^4 + 1) (x^2 + 1) (x - 1)^3}$$

Sequence: A186384
Score: 16.7163
Type of gen. func.: lgdogf

$$- \frac{2 x^9 + 2 x^8 + 2 x^7 - 3 x^6 - 4 x^4 - 4 x^3 - 4 x^2 - 4 x - 2}{{}^{4}\quad{}^{3}\quad{}^{2}\qquad{}^{5}\quad{}^{2}}$$

$$(x - 1) (x + x + x + x + 1) (x - x - 1)$$

Sequence: A186384
Score: 18.1762
Type of gen. func.: ogf

$$\frac{x^5 - x^2 - 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A186386
Score: 15.4014
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1) (x^4 + x^3 - x^2 - x - 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A186388
Score: 9.48233
Type of gen. func.: ogf

$$\frac{x^9 - 2 x^6 + x^5 - x^4 + 2 x^3 - x^2 - 1}{(x^2 + 1) (x^2 + x + 1) (x^4 - x^2 + 1) (x - 1)^3}$$

Sequence: A186390
Score: 14.1896
Type of gen. func.: lgdogf

$$- \frac{x^{10} + 2 x^9 + x^8 + 6 x^7 - 3 x^6 + 4 x^5 - 12 x^4 - 4 x^3 - 9 x^2 - 2 x - 2}{(x - 1) (x^2 + 1) (x^2 + x + 1) (x^6 - x^2 - 1)}$$

Sequence: A186390
Score: 14.3733
Type of gen. func.: ogf

$$\frac{x^6 - x^2 - 1}{(x^2 + 1) (x^2 + x + 1) (x - 1)^3}$$

Sequence: A186414
Score: 3.61393
Type of gen. func.: ogf

$$\{(64 n^3 + 288 n^2 + 432 n + 216) a(n + 1) + (-n^3 - 8 n^2 - 21 n - 18) a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A186415
Score: 5.80766
Type of gen. func.: ogf

$$\{(64 n^3 + 288 n^2 + 432 n + 216) a(n + 1) + (-n^3 - 7 n^2 - 16 n - 12) a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A186416
Score: 4.49981
Type of gen. func.: ogf

$$\{(-256 n^4 - 1536 n^3 - 3456 n^2 - 3456 n - 1296) a(n + 1) + (n^4 + 11 n^3 + 45 n^2 + 81 n + 54) a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A186417
Score: 4.82239
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^2 + x}{x - 1}$$

Sequence: A186418
Score: 2.93401
Type of gen. func.: ogf

$$\{(-256 n^4 - 1536 n^3 - 3456 n^2 - 3456 n - 1296) a(n + 1) + (n^4 + 10 n^3 + 37 n^2 + 60 n + 36) a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A186419
Score: 3.68551
Type of gen. func.: ogf

$$\{(-256 n^4 - 1536 n^3 - 3456 n^2 - 3456 n - 1296) a(n + 1) + (n^4 + 9 n^3 + 30 n^2 + 44 n + 24) a(n + 2), a(0) = 1, a(1) = 8\}$$

Sequence: A186420
Score: 3.88685
Type of gen. func.: ogf

$$\{(-256 n^4 - 1536 n^3 - 3456 n^2 - 3456 n - 1296) a(n + 1) + (n^4 + 8 n^3 + 24 n^2 + 32 n + 16) a(n + 2), a(0) = 1, a(1) = 16\}$$

Sequence: A186421
Score: 14.2356
Type of gen. func.: lgdogf

$$- \frac{2 (x^7 + 3 x^6 + x^5 + 7 x^4 + 5 x^3 + 5 x^2 + x + 1)}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 2 x^3 + 2 x + 1)}$$

Sequence: A186421
Score: 14.5949
Type of gen. func.: ogf

$$\frac{x (x^4 + 2 x^3 + 2 x + 1)}{(x^2 + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A186422
Score: 15.0904
Type of gen. func.: ogf

$$-\frac{x^4 + 2 x^3 + 2 x + 1}{(x - 1) (x^2 + 1) (x + 1)^2}$$

Sequence: A186422
Score: 15.8577
Type of gen. func.: lgdogf

$$-\frac{x^7 + 3 x^6 - x^5 + 9 x^4 + 5 x^3 + 7 x^2 - x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 2 x^3 + 2 x + 1)}$$

Sequence: A186423
Score: 11.7470
Type of gen. func.: lgdogf

$$-\frac{3 x^7 + 9 x^6 + 5 x^5 + 19 x^4 + 15 x^3 + 13 x^2 + 5 x + 3}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 2 x^3 + 2 x + 1)}$$

Sequence: A186423
Score: 9.62781
Type of gen. func.: ogf

$$-\frac{x (x^4 + 2 x^3 + 2 x + 1)}{(x^2 + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A186424
Score: 12.0762
Type of gen. func.: lgdogf

$$-\frac{x^5 + 5 x^4 + 24 x^3 + 20 x^2 + 19 x + 3}{(x - 1) (x + 1) (x^4 + 2 x^3 + 6 x^2 + 2 x + 1)}$$

Sequence: A186424
Score: 9.12804
Type of gen. func.: ogf

$$-\frac{x^4 + 2x^3 + 6x^2 + 2x + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A186438
Score: 9.38977
Type of gen. func.: ogf

$$\frac{2 (5x^6 + x^5 + 4x^4 + 5x^3 + 4x^2 + x + 5)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A186439
Score: 8.60684
Type of gen. func.: ogf

$$\frac{2 (x^4 + x^3 + x^2 + x + 1) (19x^2 + 12x + 19)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A186444
Score: 7.51563
Type of gen. func.: ogf

$$\frac{x^2 (x^{24} + x^{21} + x^{18} + x^{12} + x^9 + x^3 + 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x^{18} + x^9 + 1) (x - 1)^2}$$

Sequence: A186445
Score: 16.5174
Type of gen. func.: ogf_with_Euler_transform]

$$x^4 - x + 1$$

$$-\frac{}{x - 1}$$

Sequence: A186446
Score: 19.1897
Type of gen. func.: ogf

$$\frac{1}{2 x^2 - 7 x + 1}$$

Sequence: A186446
Score: 27.0036
Type of gen. func.: lgdogf

$$-\frac{-7 + 4 x}{2 x^2 - 7 x + 1}$$

Sequence: A186446
Score: 7.72268
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A186446
Score: 7.72269
Type of gen. func.: ogf

$$(45 f(x) + 4) (2 f(x) x^2 - 7 f(x) x + f(x) - 1)$$

Sequence: A186454
Score: 7.21425
Type of gen. func.: ogf

$$\frac{x^7 + 2 x^6 - 3 x^5 - 6 x^4 + 9 x^3 - 11 x + 16}{(x - 1) (x^4 - x^3 + x^2 + x - 1)}$$

Sequence: A186455
Score: 6.33496
Type of gen. func.: ogf

$$\frac{4 x^{7} + 2 x^{6} + 4 x^{5} - 30 x^{4} + 28 x^{3} - 9 x^{2} - 12 x + 21}{(x - 1) (x^{4} - x^{3} + x^{2} + x - 1)}$$

Sequence: A186456
Score: 5.75232
Type of gen. func.: ogf

$$\frac{16 x^{8} - 7 x^{7} + 19 x^{6} - 16 x^{5} - 36 x^{4} + 24 x^{3} + 9 x^{2} - 33 x + 42}{(x - 1) (x^{4} - x^{3} + x^{2} + x - 1)}$$

Sequence: A186457
Score: 5.33409
Type of gen. func.: ogf

$$(64 x^{9} - 28 x^{8} + 45 x^{7} - 19 x^{6} - 16 x^{5} - 115 x^{4} + 107 x^{3} - 14 x^{2} - 34 x + 61) \Big/ ((x - 1) (x^{4} - x^{3} + x^{2} + x - 1))$$

Sequence: A186458
Score: 4.82893
Type of gen. func.: ogf

$$(144 x^{10} - 44 x^{9} + 88 x^{8} - 111 x^{7} + 45 x^{6} - 143 x^{5} - 57 x^{4} + 121 x^{3} + 14 x^{2} - 84 x + 106) \Big/ ((x - 1) (x^{4} - x^{3} + x^{2} + x - 1))$$

Sequence: A186459
Score: 4.50124
Type of gen. func.: ogf

$$(324 x^{11} - 128 x^{10} + 260 x^{9} - 344 x^{8} + 61 x^{7} - 190 x^{6} + 52 x^{5} - 193 x^{4} + 251 x^{3}$$

$$- 32 x^{2} - 105 x + 151) \Big/ ((x - 1) (x^{4} - x^{3} + x^{2} + x - 1))$$

Sequence: A186460
Score: 4.08154
Type of gen. func.: ogf

$$(784 x^{12} - 300 x^{11} + 484 x^{10} - 640 x^{9} - 36 x^{8} - 547 x^{7} + 369 x^{6} - 144 x^{5} - 115 x^{4} + 255 x^{3} + 6 x^{2} - 198 x + 245) \Big/ ((x - 1) (x^{4} - x^{3} + x^{2} + x - 1))$$

Sequence: A186461
Score: 3.65182
Type of gen. func.: ogf

$$(1936 x^{13} - 780 x^{12} + 1200 x^{11} - 1624 x^{10} - 12 x^{9} - 1432 x^{8} + 641 x^{7} + 30 x^{6} + 244 x^{5} - 505 x^{4} + 519 x^{3} - 68 x^{2} - 261 x + 359) \Big/ ((x - 1) (x^{4} - x^{3} + x^{2} + x - 1))$$

Sequence: A186464
Score: 4.97879
Type of gen. func.: ogf

$$\frac{x^{9} - 2 x^{8} + 26 x^{7} - 4 x^{6} - 40 x^{5} - 37 x^{4} + 54 x^{3} + 30 x^{2} - 79 x + 81}{(x - 1) (2 x^{4} - 2 x^{3} + 2 x^{2} + x - 1)}$$

Sequence: A186465
Score: 4.61610
Type of gen. func.: ogf

$$(x^{10} - 2 x^{9} + 4 x^{8} + 12 x^{7} + 60 x^{6} + 8 x^{5} - 280 x^{4} + 279 x^{3} - 98 x^{2} - 37 x + 83$$

$$\Big/$$

$) / ((x - 1) (2 x - 2 x + 2 x + x - 1))$

Sequence: A186466
Score: 4.16032
Type of gen. func.: ogf

$$(x^{11} - 2 x^{10} + 4 x^{9} + 176 x^{8} - 170 x^{7} + 276 x^{6} - 210 x^{5} - 294 x^{4} + 184 x^{3} + 179 x^{2} - 311 x + 277) / ((x - 1) (2 x^{4} - 2 x^{3} + 2 x^{2} + x - 1))$$

Sequence: A186467
Score: 3.64834
Type of gen. func.: ogf

$$(9 x^{12} - 18 x^{11} + 36 x^{10} + 1364 x^{9} - 1350 x^{8} + 1428 x^{7} - 604 x^{6} + 196 x^{5} - 1920 x^{4} + 1686 x^{3} - 288 x^{2} - 172 x + 367) / ((x - 1) (2 x^{4} - 2 x^{3} + 2 x^{2} + x - 1))$$

Sequence: A186474
Score: 4.01898
Type of gen. func.: ogf

$$(2 x^{11} + 2 x^{10} - 2 x^{9} - 19 x^{8} + 191 x^{7} - 88 x^{6} - 211 x^{5} - 109 x^{4} + 181 x^{3} + 176 x^{2} - 307 x + 256) / ((x - 1) (3 x^{4} - 3 x^{3} + 3 x^{2} + x - 1))$$

Sequence: A186475
Score: 3.95213
Type of gen. func.: ogf

$$(2 x^{12} + x^{10} + 3 x^{9} - 33 x^{8} + 112 x^{7} + 336 x^{6} - 110 x^{5} - 1116 x^{4} + 1153 x^{3} - 433 x^{2} - 48 x + 205) / ((x - 1) (3 x^{4} - 3 x^{3} + 3 x^{2} + x - 1))$$

Sequence: A186494
Score: 15.2405
Type of gen. func.: lgdogf

$$-\frac{2x^9 - x^8 - 4x^7 - 2x^6 - 8x^5 - 8x^4 - 10x^3 - 7x^2 - 4x - 3}{(x-1)(x^4 + x^3 + x^2 + x + 1)(x^5 - x^4 - x^3 - x - 1)}$$

Sequence: A186494
Score: 16.2499
Type of gen. func.: ogf

$$\frac{x^5 - x^4 - x^3 - x - 1}{(x^4 + x^3 + x^2 + x + 1)(x-1)^3}$$

Sequence: A186496
Score: 16.3928
Type of gen. func.: ogf

$$\frac{x^6 - x^5 - 2x^2 - 1}{(x^4 + x^3 + x^2 + x + 1)(x-1)^3}$$

Sequence: A186496
Score: 17.5778
Type of gen. func.: lgdogf

$$-\frac{x^{10} - 10x^6 - 16x^4 - 6x^3 - 6x^2 - 6x - 2}{(x-1)(x^4 + x^3 + x^2 + x + 1)(x^6 - x^5 - 2x^2 - 1)}$$

Sequence: A186498
Score: 17.1956
Type of gen. func.: ogf

$$\frac{x^3 - x^2 + x - 2}{}$$

$$(x^2 + x + 1) (x - 1)^3$$

Sequence: A186498
Score: 23.6699
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - x^4 + 4 x^3 - 7 x^2 - 4 x - 3}{(x - 1) (x^2 + x + 1) (x^3 - x^2 + x - 2)}$$

Sequence: A186498
Score: 6.70472
Type of gen. func.: ogf

$$\{(n^2 + 15 n + 46) a(n + 1) + (2 n + 14) a(n + 2) + (2 n + 14) a(n + 3)$$
$$+ (-n^2 - 13 n - 32) a(n + 4), a(0) = 2, a(1) = 3, a(2) = 5, a(3) = 8\}$$

Sequence: A186544
Score: 7.85220
Type of gen. func.: ogf

$$(9 x^{15} + 8 x^{14} + 8 x^{13} + 8 x^{12} + 8 x^{11} + 8 x^{10} + 8 x^9 + 8 x^8 + 8 x^7 + 8 x^6$$
$$+ 8 x^5 + 8 x^4 + 8 x^3 + 8 x^2 + 8 x + 8) / ((x + 1) (x^2 + 1) (x^4 + 1)$$
$$(x^8 + 1) (x - 1)^2)$$

Sequence: A186561
Score: 4.14447
Type of gen. func.: ogf

$$(712 x^9 + 1236 x^8 + 812 x^7 - 3114 x^6 - 1996 x^5 + 2734 x^4 - 660 x^3 + 776 x^2$$
$$- 1269 x + 721) / ((x - 1) (2 x^6 - 2 x^4 + 2 x^3 + x - 1))$$

Sequence: A186562
Score: 3.74132
Type of gen. func.: ogf

$$\left(800 x^{10} - 288 x^{9} + 1280 x^{8} + 6916 x^{7} - 7774 x^{6} - 7616 x^{5} + 10230 x^{4} - 4810 x^{3} + 3514 x^{2} - 5433 x + 2917\right) \Big/ \left((x - 1) (2 x^{6} - 2 x^{4} + 2 x^{3} + x - 1)\right)$$

Sequence: A186563
Score: 3.62500
Type of gen. func.: ogf

$$\left(6272 x^{11} - 4416 x^{9} + 1848 x^{8} + 17962 x^{7} - 19680 x^{6} - 15622 x^{5} + 20566 x^{4} - 9636 x^{3} + 7193 x^{2} - 11777 x + 6594\right) \Big/ \left((x - 1) (2 x^{6} - 2 x^{4} + 2 x^{3} + x - 1)\right)$$

Sequence: A186575
Score: 12.0146
Type of gen. func.: lgdogf

$$- \frac{12 x^{4} + 8 x^{3} + 2 x^{2} + 14 x + 3}{(2 x - 1) (x^{2} + x + 1) (6 x^{2} + 2 x + 1)}$$

Sequence: A186575
Score: 12.0449
Type of gen. func.: ogf

$$- \frac{6 x^{2} + 2 x + 1}{(2 x - 1) (x^{2} + x + 1)}$$

Sequence: A186575
Score: 6.02243
Type of gen. func.: ogf

$$-(6321 f(x) + 14194) (2 f(x) x^3 + f(x) x^2 + f(x) x + 6 x^2 - f(x) + 2 x + 1)$$

Sequence: A186575
Score: 6.50210
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) + 2 a(n), a(0) = 1, a(1) = 3, a(2) = 10\}$$

Sequence: A186620
Score: 15.8311
Type of gen. func.: ogf

$$-\frac{13 x + 12}{x^2 + x - 1}$$

Sequence: A186620
Score: 19.7286
Type of gen. func.: lgdogf

$$-\frac{13 x^2 + 24 x + 25}{(13 x + 12) (x^2 + x - 1)}$$

Sequence: A186620
Score: 8.82845
Type of gen. func.: ogf

$$(49 f(x) + 37) (f(x) x^2 + f(x) x - f(x) + 13 x + 12)$$

Sequence: A186620
Score: 8.85788
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 12, a(1) = 25\}$$

Sequence: A186636

Score: 10.5694
Type of gen. func.: ogf

$$-\frac{x(x^3+9x^2+9x+5)}{(x-1)^5}$$

Sequence: A186636
Score: 20.2271
Type of gen. func.: lgdogf

$$-\frac{2(x^3+15x^2+27x+17)}{(x-1)(x^3+9x^2+9x+5)}$$

Sequence: A186636
Score: 5.11604
Type of gen. func.: ogf

$$\{(-28n^2-127n-142)a(n+1)+(2n^2-202n-442)a(n+2)$$
$$+(26n^2+113n+122)a(n+3), a(0)=0, a(1)=5, a(2)=34\}$$

Sequence: A186646
Score: 14.9212
Type of gen. func.: ogf

$$\frac{x^6+2x^5+3x^4+2x^3+3x^2+2x+1}{(x-1)^2(x+1)^2(x^2+1)^2}$$

Sequence: A186679
Score: 14.7555
Type of gen. func.: ogf

$$-\frac{x(x-3)}{(x^2+1)(x^2-x-1)}$$

Sequence: A186679
Score: 19.2293
Type of gen. func.: lgdogf

$$-\frac{3x^4 - 14x^3 + 9x^2 + 4}{(x-3)(x^2+1)(x^2-x-1)}$$

Sequence: A186679
Score: 7.44305
Type of gen. func.: ogf

$$(7580 f(x) + 7183) (f(x) x^4 - f(x) x^3 - f(x) x + x^2 - f(x) - 3 x)$$

Sequence: A186680
Score: 13.7967
Type of gen. func.: ogf

$$-\frac{x(2x^3 + 30x^2 + 30x + 3)}{x-1}$$

Sequence: A186680
Score: 15.7154
Type of gen. func.: lgdogf

$$\frac{4x^3 + 24x^2 - 60x - 33}{(x-1)(2x^3 + 30x^2 + 30x + 3)}$$

Sequence: A186680
Score: 7.40005
Type of gen. func.: ogf

$$\{a(n + 5) - a(n + 4), a(0) = 0, a(1) = 3, a(2) = 33, a(3) = 63, a(4) = 65\}$$

Sequence: A186680
Score: 7.98045

Type of gen. func.: ogf

$$(216883 f(x) + 348165513) (2 x^4 + 30 x^3 + f(x) x + 30 x^2 - f(x) + 3 x)$$

Sequence: A186681
Score: 21.4056
Type of gen. func.: lgdogf

$$\frac{6 (x^2 + 10 x + 5)}{2 x^3 + 30 x^2 + 30 x + 3}$$

Sequence: A186681
Score: 4.86394
Type of gen. func.: ogf

$$\{a(n + 5), a(0) = 0, a(1) = 3, a(2) = 30, a(3) = 30, a(4) = 2\}$$

Sequence: A186681
Score: 4.9205
Type of gen. func.: ogf

$$-(8102 f(x) + 146969235) (-2 x^4 - 30 x^3 - 30 x^2 + f(x) - 3 x)$$

Sequence: A186682
Score: 16.2801
Type of gen. func.: ogf

$$- \frac{x (5 x^2 + 17 x + 2)}{x - 1}$$

Sequence: A186682
Score: 21.6617
Type of gen. func.: lgdogf

$$\frac{5 x^2 - 10 x - 19}{2}$$

$$(x - 1) (5 x + 17 x + 2)$$

Sequence: A186682
Score: 8.39181
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 3), a(0) = 0, a(1) = 2, a(2) = 19, a(3) = 24\}$$

Sequence: A186682
Score: 8.65963
Type of gen. func.: ogf

$$-(84145 f(x) - 1546533) (5 x^{3} + f(x) x + 17 x^{2} - f(x) + 2 x)$$

Sequence: A186683
Score: 31.9228
Type of gen. func.: lgdogf

$$\frac{17 + 10 x}{5 x^{2} + 17 x + 2}$$

Sequence: A186683
Score: 5.31096
Type of gen. func.: ogf

$$\{-a(n + 4), a(0) = 0, a(1) = 2, a(2) = 17, a(3) = 5\}$$

Sequence: A186683
Score: 5.91792
Type of gen. func.: ogf

$$(3025 f(x) - 175491) (-5 x^{3} - 17 x^{2} + f(x) - 2 x)$$

Sequence: A186684
Score: 11.7313
Type of gen. func.: ogf

$$-f(x)\,(f(x)\,x + 6\,x^2 - f(x) + x)$$

Sequence: A186684
Score: 19.1707
Type of gen. func.: ogf

$$-\frac{x\,(6\,x + 1)}{x - 1}$$

Sequence: A186684
Score: 48.2877
Type of gen. func.: lgdogf

$$-\frac{7}{(6\,x + 1)\,(x - 1)}$$

Sequence: A186684
Score: 9.46988
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2), a(0) = 0, a(1) = 1, a(2) = 7\}$$

Sequence: A186685
Score: 6.32098
Type of gen. func.: ogf

$$\{-a(n + 3), a(0) = 0, a(1) = 1, a(2) = 6\}$$

Sequence: A186685
Score: 85.8447
Type of gen. func.: lgdogf

$$\frac{6}{6\,x + 1}$$

Sequence: A186685
Score: 9.1303
Type of gen. func.: ogf

$$f(x)\,(-6\,x^2 + f(x) - x)$$

Sequence: A186704
Score: 3.31321
Type of gen. func.: ogf_with_Euler_transform]

$$[x + 1]$$

Sequence: A186707
Score: 10.4161
Type of gen. func.: lgdogf

$$-\frac{2\,(x^5 + 17\,x^4 + 62\,x^3 + 80\,x^2 + 43\,x + 7)}{(x - 1)\,(x + 1)\,(x^4 + 10\,x^3 + 20\,x^2 + 10\,x + 1)}$$

Sequence: A186707
Score: 8.28689
Type of gen. func.: ogf

$$-\frac{x^4 + 10\,x^3 + 20\,x^2 + 10\,x + 1}{(x + 1)\,(x - 1)^5}$$

Sequence: A186719
Score: 13.2235
Type of gen. func.: lgdogf

$$\frac{x\,(14\,x^{18} - 17\,x^{15} - 2\,x^6 + 4\,x^3 - 2)}{(x - 1)\,(x^2 + x + 1)\,(x^{17} - x^5 - x^3 + x^2 + 1)}$$

Sequence: A186719
Score: 8.98566
Type of gen. func.: ogf

17   5   3   2

$$-\frac{x - x - x + x + 1}{(x - 1)(x^2 + x + 1)}$$

Sequence: A186723
Score: 6.07162
Type of gen. func.: ogf

$$\frac{x (8 x^{12} - 2 x^{11} - x^8 - 6 x^7 - x^6 - 6 x^5 - 5 x^4 - 6 x^3 - 9 x^2 - 4 x - 1)}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A186731
Score: 12.9374
Type of gen. func.: ogf

$$\frac{x^2 (x + 1)^2}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A186731
Score: 15.4947
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^3 + 3 x^2 + 1)}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A186731
Score: 33.5291
Type of gen. func.: ogf_with_Euler_transform]

$$2 x^2 - 2 x + 2$$

Sequence: A186739
Score: 6.22683
Type of gen. func.: ogf

$\{a(n + 1) n - n a(n) - a(n + 3) + 2 a(n + 2), a(0) = 0, a(1) = 0, a(2) = 1\}$

Sequence: A186741
Score: 3.90931
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{16} - x^{15} + x^{11} + x^{10} + x^{9} - x^{7} - x^{6} - x^{5} - x^{4}}{x^{17} + x^{16} + x^{9} + x^{8} + x + 1}$$

Sequence: A186742
Score: 5.33415
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{16} - x^{13} - x^{8} + x^{2} - 1}{x^{17} + x^{16} + x^{9} + x^{8} + x + 1}$$

Sequence: A186755
Score: 26.0487
Type of gen. func.: lgdegf]

$$-\frac{1 + \exp(x) x - \exp(x)}{x - 1}$$

Sequence: A186758
Score: 25.4199
Type of gen. func.: lgdegf]

$$-\frac{\exp(x) x - \exp(x) - x + 2}{x - 1}$$

Sequence: A186763
Score: 4.02025
Type of gen. func.: ogf

$\{(n + 2) a(n + 1) - a(n + 2) + (-n - 4) a(n + 3) + a(n + 4), a(0) = 0, a(1) = 1,$

$a(2) = 2, a(3) = 7\}$

Sequence: A186788
Score: 6.35881
Type of gen. func.: ogf

$$-\frac{288 x^4 + 36 x^3 - 471 x^2 - 188 x - 246}{9 x^5 - 15 x^3 - 4 x^2 - 7 x + 1}$$

Sequence: A186809
Score: 11.3881
Type of gen. func.: ogf

$$\frac{x (x + 1)^2}{(x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A186809
Score: 21.1509
Type of gen. func.: lgdogf

$$-\frac{2 (x^4 + 2 x^3 + x - 1)}{(x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A186809
Score: 23.8956
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5 - 3 x + 2]$$

Sequence: A186809
Score: 7.01689
Type of gen. func.: ogf

$$(11 f(x) - 16) (f(x) x^4 + f(x) x^2 - x^3 - 2 x^2 + f(x) - x)$$

Sequence: A186812
Score: 12.1510
Type of gen. func.: ogf

$$-\frac{1}{x^6+3x^5+4x^4+3x^3+2x^2+x-1}$$

Sequence: A186813
Score: 14.5594
Type of gen. func.: lgdogf

$$-\frac{2x^5+x^4-4x^3+12x^2-6x+3}{(x-1)(x+1)(x^2+1)(x^2-x+1)}$$

Sequence: A186813
Score: 21.9049
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5+2x^3+x^2-3x+3$$

Sequence: A186813
Score: 9.28863
Type of gen. func.: ogf

$$\frac{x(x^2-x+1)(x+1)^2}{(x-1)^2(x^2+1)^2}$$

Sequence: A186817
Score: 3.80574
Type of gen. func.: ogf

$$-\frac{3(837x^6+495x^5+870x^4+609x^3+16x^2-76x-42)}{81x^7+27x^6+72x^5+36x^4-15x^3-9x^2-3x+1}$$

Sequence: A186828
Score: 5.8396
Type of gen. func.: ogf

$$-2 f(x)^2 x^4 - 2 f(x)^2 x^3 + 2 f(x)^2 x^2 + f(x) x^3 - 2 f(x)^2 x - 3 f(x) x^2 + f(x) x + f(x) - 1$$

Sequence: A186830
Score: 10.2633
Type of gen. func.: lgdogf

$$-\frac{3 x^4 - 16 x^3 - 14 x^2 + 4 x - 9}{(3 x^2 - 8 x - 1) (x^3 + x^2 + x - 1)}$$

Sequence: A186830
Score: 5.16044
Type of gen. func.: ogf

$$(151 f(x) + 5569) (f(x) x^3 + f(x) x^2 + f(x) x - 3 x^2 - f(x) + 8 x + 1)$$

Sequence: A186830
Score: 5.34474
Type of gen. func.: ogf

{-a(n + 3) + a(n + 2) + a(n + 1) + a(n), a(0) = 1, a(1) = 9, a(2) = 7}

Sequence: A186830
Score: 9.81330
Type of gen. func.: ogf

$$\frac{3 x^2 - 8 x - 1}{x^3 + x^2 + x - 1}$$

Sequence: A186842
Score: 4.24424

Type of gen. func.: ogf

$$-(75077 f(x) - 303342) (8 f(x) x^4 + 10 f(x) x^3 + 3 f(x) x^2 + 40 x^3 + f(x) x + 64 x^2 - f(x) + 34 x + 16)$$

Sequence: A186842
Score: 8.02263
Type of gen. func.: ogf

$$-\frac{2 (20 x^3 + 32 x^2 + 17 x + 8)}{8 x^4 + 10 x^3 + 3 x^2 + x - 1}$$

Sequence: A186843
Score: 5.17568
Type of gen. func.: ogf

$$-\frac{2 (14 x^5 + 23 x^4 + 91 x^3 + 167 x^2 + 59 x + 25)}{2 x^6 + 3 x^5 + 14 x^4 + 24 x^3 + 4 x^2 + 2 x - 1}$$

Sequence: A186852
Score: 10.8868
Type of gen. func.: lgdogf

$$-\frac{x^2 - 30 x - 13}{(x - 1) (3 x^3 - 8 x^2 - 7 x - 2)}$$

Sequence: A186852
Score: 3.30498
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 16, a(1) = 104, a(2) = 328, a(3) = 664\}$$

Sequence: A186852
Score: 6.29304
Type of gen. func.: ogf

$$\frac{8 (3 x^3 - 8 x^2 - 7 x - 2)}{(x - 1)^3}$$

Sequence: A186852
Score: 6.53542
Type of gen. func.: ogf

$$(71 f(x) - 6984)$$

$$(f(x) x^3 - 3 f(x) x^2 - 24 x^3 + 3 f(x) x + 64 x^2 - f(x) + 56 x + 16)$$

Sequence: A186853
Score: 7.69977
Type of gen. func.: ogf

$$\frac{16 (6 x^5 - 3 x^4 - 16 x^3 - 25 x^2 - 10 x - 1)}{(x - 1)^3}$$

Sequence: A186853
Score: 9.09989
Type of gen. func.: lgdogf

$$\frac{12 x^5 - 33 x^4 + 12 x^3 + 73 x^2 + 70 x + 13}{(x - 1) (6 x^5 - 3 x^4 - 16 x^3 - 25 x^2 - 10 x - 1)}$$

Sequence: A186854
Score: 4.24630
Type of gen. func.: ogf

$$\frac{8 (37 x^7 + 37 x^6 - 45 x^5 - 187 x^4 - 264 x^3 - 206 x^2 - 44 x - 2)}{(x - 1)^3}$$

Sequence: A186858
Score: 26.9720
Type of gen. func.: revogf

$$\frac{x}{(x + 1)\ (x^{4} + 2\ x^{3} + 2\ x^{2} + x + 1)}$$

Sequence: A186859
Score: 21.2194
Type of gen. func.: lgdegf]

$$(2\ x + 1)\ (3\ x^{4} + 6\ x^{3} + 5\ x^{2} + 2\ x + 1)$$

Sequence: A186862
Score: 17.8951
Type of gen. func.: lgdogf

$$- \frac{2\ (11\ x + 10)}{(11\ x + 3)\ (x - 1)}$$

Sequence: A186862
Score: 4.14425
Type of gen. func.: ogf

$$(38367\ f(x) - 1368874)\ (f(x)\ x^{3} - 3\ f(x)\ x^{2} + 3\ f(x)\ x + 88\ x^{2} - f(x) + 24\ x)$$

Sequence: A186862
Score: 4.32602
Type of gen. func.: ogf

$$\{a(n + 3) - 3\ a(n + 2) + 3\ a(n + 1) - a(n),\ a(0) = 0,\ a(1) = 24,\ a(2) = 160\}$$

Sequence: A186862
Score: 8.35875
Type of gen. func.: ogf

$$8\ x\ (11\ x + 3)$$

$$- \frac{\qquad}{(x-1)^3}$$

Sequence: A186863
Score: 14.4959
Type of gen. func.: lgdogf

$$\frac{2 (7 x + 62) (1 + 3 x)}{(x - 1) (15 x^3 - 87 x^2 - 106 x - 6)}$$

Sequence: A186863
Score: 4.41434
Type of gen. func.: ogf

$$-(8927832794704 f(x) + 8909373920052957)$$

$$(f(x) x^3 - 60 x^4 - 3 f(x) x^2 + 348 x^3 + 3 f(x) x + 424 x^2 - f(x) + 24 x)$$

Sequence: A186863
Score: 4.64668
Type of gen. func.: ogf

$$\{a(n + 5) - 3 a(n + 4) + 3 a(n + 3) - a(n + 2), a(0) = 0, a(1) = 24, a(2) = 496,$$

$$a(3) = 1764, a(4) = 3768\}$$

Sequence: A186863
Score: 8.94044
Type of gen. func.: ogf

$$\frac{4 x (15 x^3 - 87 x^2 - 106 x - 6)}{(x - 1)^3}$$

Sequence: A186864
Score: 13.6699
Type of gen. func.: lgdogf

$$51 x^2 - 964 x - 839$$

$$-\frac{\quad}{(x - 1) (49 x^3 - 96 x^2 - 386 x - 151)}$$

Sequence: A186864
Score: 8.24947
Type of gen. func.: ogf

$$\frac{8 x^2 (49 x^3 - 96 x^2 - 386 x - 151)}{(x - 1)^3}$$

Sequence: A186865
Score: 4.72929
Type of gen. func.: ogf

$$\frac{4 x^2 (465 x^4 - 11 x^3 - 3194 x^2 - 3988 x - 560)}{(x - 1)^3}$$

Sequence: A186874
Score: 3.82384
Type of gen. func.: ogf

$$(7047 x^9 + 12492 x^8 + 1305 x^7 - 22980 x^6 - 11457 x^5 + 15069 x^4 - 2436 x^3 + 2787 x^2 - 4435 x + 2428) / ((x - 1) (3 x^6 - 3 x^4 + 3 x^3 + x - 1))$$

Sequence: A186875
Score: 3.42702
Type of gen. func.: ogf

$$(7803 x^{10} - 4104 x^9 + 16011 x^8 + 72393 x^7 - 80919 x^6 - 75462 x^5 + 107205 x^4 - 49779 x^3 + 23546 x^2 - 37271 x + 19236) / ((x - 1) (3 x^6 - 3 x^4 + 3 x^3 + x - 1))$$

Sequence: A186924
Score: 12.9919
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4 x^{4} - 2 x^{3} - 2 x - 4}{-x^{6} + 1}$$

Sequence: A186930
Score: 8.17222
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4 x^{10} - x^{9} - 4 x^{6} - 6 x^{5} - 4 x^{4} - x - 4}{x^{12} - 1}$$

Sequence: A186940
Score: 5.38117
Type of gen. func.: ogf

$$-f(x)^{2} x^{4} + 3 f(x)^{2} x^{3} - f(x)^{2} x^{2} - 3 f(x)^{2} x - 2 f(x) x^{2} + 3 f(x) x + f(x) - 1$$

Sequence: A186942
Score: 3.93552
Type of gen. func.: ogf

$$\{(8 n + 24) a(n + 1) + (-14 n - 38) a(n + 2) + (7 n + 16) a(n + 3)$$

$$+ (-2 - n) a(n + 4), a(0) = 1, a(1) = 3, a(2) = 15, a(3) = 79\}$$

Sequence: A186942
Score: 5.408
Type of gen. func.: ogf

$$-(27 f(x) + 26) (16 f(x) x^{4} - 36 f(x) x^{3} + 28 f(x) x^{2} + 8 x^{3} - 9 f(x) x - 16 x^{2}$$

$$+ f(x) + 6 x - 1)$$

Sequence: A186942
Score: 9.30886
Type of gen. func.: lgdogf

$$-\frac{64 x^5 - 224 x^4 + 208 x^3 - 72 x^2 + 18 x - 3}{(x - 1) (2 x - 1) (4 x - 1) (8 x^3 - 16 x^2 + 6 x - 1)}$$

Sequence: A186942
Score: 9.81452
Type of gen. func.: ogf

$$-\frac{8 x^3 - 16 x^2 + 6 x - 1}{(4 x - 1) (x - 1) (2 x - 1)^2}$$

Sequence: A186947
Score: 12.1161
Type of gen. func.: ogf

$$-\frac{12 x^2 - 6 x + 1}{(4 x - 1) (2 x - 1)^2}$$

Sequence: A186947
Score: 13.3754
Type of gen. func.: lgdogf

$$-\frac{2 (48 x^3 - 24 x^2 + 6 x - 1)}{(2 x - 1) (4 x - 1) (12 x^2 - 6 x + 1)}$$

Sequence: A186947
Score: 6.57141
Type of gen. func.: ogf

$$-(3 f(x) - 1) (16 f(x) x^3 - 20 f(x) x^2 + 8 f(x) x + 12 x^2 - f(x) - 6 x + 1)$$

Sequence: A186947
Score: 6.80200
Type of gen. func.: ogf

$$\{-a(n + 3) + 8 a(n + 2) - 20 a(n + 1) + 16 a(n), a(0) = 1, a(1) = 2, a(2) = 8\}$$

Sequence: A186948
Score: 10.5221
Type of gen. func.: ogf

$$-\frac{7 x^2 - 4 x + 1}{(3 x - 1) (x - 1)^2}$$

Sequence: A186948
Score: 13.1003
Type of gen. func.: lgdogf

$$-\frac{21 x^3 - 3 x^2 - x - 1}{(x - 1) (3 x - 1) (7 x^2 - 4 x + 1)}$$

Sequence: A186948
Score: 5.73077
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 7 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 1, a(2) = 5\}$$

Sequence: A186948
Score: 5.78239
Type of gen. func.: ogf

$$(6 f(x) - 5) (3 f(x) x^3 - 7 f(x) x^2 + 5 f(x) x + 7 x^2 - f(x) - 4 x + 1)$$

Sequence: A186949
Score: 12.3105
Type of gen. func.: ogf

2

$$-2 f(x) x - 4 x + f(x) + 2 x - 1$$

Sequence: A186949
Score: 14.4991
Type of gen. func.: ogf

$$-\frac{4 x^2 - 2 x + 1}{2 x - 1}$$

Sequence: A186949
Score: 20.0674
Type of gen. func.: lgdogf

$$\frac{8 x (x - 1)}{(2 x - 1) (4 x^2 - 2 x + 1)}$$

Sequence: A186949
Score: 7.86094
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2), a(0) = 1, a(1) = 0, a(2) = 4\}$$

Sequence: A186950
Score: 11.2043
Type of gen. func.: ogf

$$-\frac{527 x^2 - 1004 x + 479}{(x - 1)^3}$$

Sequence: A186950
Score: 17.3987
Type of gen. func.: lgdogf

$$-\frac{527 x^2 - 954 x + 433}{(x - 1) (527 x^2 - 1004 x + 479)}$$

Sequence: A186950
Score: 5.99918
Type of gen. func.: ogf

$$(1019 f(x) - 2436036)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 527 x^2 - f(x) - 1004 x + 479)$$

Sequence: A186950
Score: 6.45674
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 479, a(1) = 433, a(2) = 389\}$$

Sequence: A186966
Score: 3.87868
Type of gen. func.: ogf

$$- \frac{8 x (9 x^3 + 30 x^2 + 25 x + 3)}{(x + 1) (x - 1)^5}$$

Sequence: A186996
Score: 17.0514
Type of gen. func.: revogf

$$\frac{(1 + (-4 x^3 - 4 x^2 + 1)^{1/2}) x}{2 (x + 1)}$$

Sequence: A186997
Score: 21.2109
Type of gen. func.: revogf

$$\frac{(1 + (-4 x^2 - 4 x + 1)^{1/2}) x}{2}$$

Sequence: A187003
Score: 11.2615
Type of gen. func.: lgdogf

$$-\frac{(3x^2+2x+1)(2x^3+2x^2+2x+1)}{x^6+2x^5+3x^4+3x^3+2x^2+x-1}$$

Sequence: A187003
Score: 11.9926
Type of gen. func.: ogf

$$-\frac{1}{x^6+2x^5+3x^4+3x^3+2x^2+x-1}$$

Sequence: A187004
Score: 5.84937
Type of gen. func.: ogf

$$-\frac{(3x^2+2x+1)(2x^3+2x^2+2x+1)}{x^6+2x^5+3x^4+3x^3+2x^2+x-1}$$

Sequence: A187012
Score: 12.0288
Type of gen. func.: ogf

$$-\frac{x^4-3x^2-2x-1}{(x-1)^2\,(x+1)^2}$$

Sequence: A187012
Score: 7.37613
Type of gen. func.: ogf

$$(680\,f(x)+1417)\,(f(x)\,x^4+x^4-2\,f(x)\,x^2-3\,x^2+f(x)-2\,x-1)$$

Sequence: A187028
Score: 6.46675
Type of gen. func.: ogf

$$\frac{8 x (4 x^4 - 9 x^3 - 24 x^2 - 28 x - 3)}{(x - 1)^3}$$

Sequence: A187028
Score: 8.87257
Type of gen. func.: lgdogf

$$\frac{(2 x + 1) (2 x^3 - 9 x^2 + 30 x + 37)}{(x - 1) (4 x^4 - 9 x^3 - 24 x^2 - 28 x - 3)}$$

Sequence: A187029
Score: 6.28614
Type of gen. func.: ogf

$$\frac{4 x (56 x^6 + 9 x^5 - 117 x^4 - 602 x^3 - 774 x^2 - 318 x - 6)}{(x - 1)^3}$$

Sequence: A187035
Score: 11.8758
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (x^2 - x + 1) (x + 1)^2}$$

Sequence: A187035
Score: 16.8762
Type of gen. func.: lgdogf

$$- \frac{x (5 x^2 - 5 x + 2)}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A187035
Score: 18.3539
Type of gen. func.: ogf_with_Euler_transform]

$$x^5 - x^2 + x$$

Sequence: A187044
Score: 4.09249
Type of gen. func.: ogf

$$\{(n + 2) a(n + 1) + (-2 - n) a(n + 2) + a(n + 4) - 2 a(n + 3), a(0) = 1,$$

$$a(1) = 2, a(2) = 4, a(3) = 9\}$$

Sequence: A187047
Score: 15.4912
Type of gen. func.: lgdogf

$$\frac{2 (3 x^2 + 22 x + 17)}{(x - 1) (x^3 - 9 x^2 - 13 x - 7)}$$

Sequence: A187047
Score: 3.59421
Type of gen. func.: ogf

$$\{(50 n^2 - 33 n - 17) a(n + 1) + (5 n^2 + 277 n - 102) a(n + 2)$$

$$+ (-55 n^2 - 34 n + 21) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 28\}$$

Sequence: A187047
Score: 8.22175
Type of gen. func.: ogf

$$\frac{4 x^2 (x^3 - 9 x^2 - 13 x - 7)}{(x - 1)^3}$$

Sequence: A187048
Score: 7.31984
Type of gen. func.: ogf

$$\frac{4 x^{2} (9 x^{5} - 8 x^{4} - 50 x^{3} - 85 x^{2} - 50 x - 6)}{(x - 1)^{3}}$$

Sequence: A187048
Score: 9.24391
Type of gen. func.: lgdogf

$$\frac{18 x^{5} - 53 x^{4} + 32 x^{3} + 235 x^{2} + 270 x + 68}{(x - 1) (9 x^{5} - 8 x^{4} - 50 x^{3} - 85 x^{2} - 50 x - 6)}$$

Sequence: A187049
Score: 5.96627
Type of gen. func.: ogf

$$\frac{4 x^{2} (37 x^{7} + 41 x^{6} - 70 x^{5} - 308 x^{4} - 472 x^{3} - 388 x^{2} - 108 x - 2)}{(x - 1)^{3}}$$

Sequence: A187050
Score: 4.85550
Type of gen. func.: ogf

$$4 x^{3} (113 x^{8} + 290 x^{7} + 163 x^{6} - 531 x^{5} - 1651 x^{4} - 2715 x^{3} - 2599 x^{2} - 1300 x - 146) \Big/ (x - 1)^{3}$$

Sequence: A187051
Score: 3.97960
Type of gen. func.: ogf

$$4 x^{3} (313 x^{10} + 1175 x^{9} + 1721 x^{8} + 531 x^{7} - 3066 x^{6} - 9182 x^{5} - 14708 x^{4}$$

$$- 16724 x^3 - 11434 x^2 - 3206 x - 100) \Big/ (x - 1)^3$$

Sequence: A187053
Score: 12.5551
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3 x + 3}{x^3 + x^2 + x + 1}$$

Sequence: A187062
Score: 4.46398
Type of gen. func.: ogf

$$-\frac{2 x^2 (2 x^9 + x^8 - 4 x^7 - 6 x^6 + 4 x^4 + x^3 - 5 x^2 - 7 x - 4)}{(x^2 + x + 1)^2 (x + 1)^2 (x - 1)^4}$$

Sequence: A187065
Score: 10.0006
Type of gen. func.: lgdogf

$$-\frac{x^2 (3 x^6 - 4 x^5 - 2 x^4 + 10 x^3 + x^2 - 8 x - 3)}{(x^3 - x^2 + 1) (x^6 - 2 x^4 - x^2 + 1)}$$

Sequence: A187065
Score: 11.1492
Type of gen. func.: ogf

$$\frac{x^2 (x^3 - x^2 + 1)}{x^6 - 2 x^4 - x^2 + 1}$$

Sequence: A187066
Score: 10.2097
Type of gen. func.: ogf

$$\frac{x^3 - x^2 + 1}{x^6 - 2 x^4 - x^2 + 1}$$

Sequence: A187066
Score: 9.67795
Type of gen. func.: lgdogf

$$-\frac{x^2 (3 x^6 - 4 x^5 - 2 x^4 + 10 x^3 + x^2 - 8 x - 3)}{(x^3 - x^2 + 1) (x^6 - 2 x^4 - x^2 + 1)}$$

Sequence: A187067
Score: 8.91942
Type of gen. func.: lgdogf

$$-\frac{2 x^9 - 5 x^6 - 4 x^5 + 6 x^4 + 4 x^3 + x^2 + 2 x + 1}{(x^4 - x - 1) (x^6 - 2 x^4 - x^2 + 1)}$$

Sequence: A187067
Score: 9.21222
Type of gen. func.: ogf

$$-\frac{x (x^4 - x - 1)}{x^6 - 2 x^4 - x^2 + 1}$$

Sequence: A187068
Score: 10.3569
Type of gen. func.: ogf

$$\frac{(x - 1) (x^4 + x^3 + x^2 - x - 1)}{x^6 - x^4 - 2 x^2 + 1}$$

Sequence: A187068
Score: 8.77613
Type of gen. func.: lgdogf

$$-\frac{x^3\,(x^7+x^5-8\,x^4+6\,x^3+10\,x^2-5\,x-4)}{(x-1)\,(x^4+x^3+x^2-x-1)\,(x^6-x^4-2\,x^2+1)}$$

Sequence: A187069
Score: 10.4927
Type of gen. func.: lgdogf

$$-\frac{x\,(2\,x^8-3\,x^7+4\,x^6+x^5-4\,x^4-2\,x^3+3\,x+2)}{(x-1)\,(x^6-x^4-2\,x^2+1)\,(x^3+x+1)}$$

Sequence: A187069
Score: 10.7279
Type of gen. func.: ogf

$$-\frac{x\,(x-1)\,(x^3+x+1)}{x^6-x^4-2\,x^2+1}$$

Sequence: A187070
Score: 9.51285
Type of gen. func.: ogf

$$-\frac{x^2\,(x^2-x-1)}{x^6-x^4-2\,x^2+1}$$

Sequence: A187070
Score: 9.54181
Type of gen. func.: lgdogf

$$-\frac{4\,x^7-5\,x^6-8\,x^5+3\,x^4+4\,x^3+2\,x^2+2\,x+1}{(x^2-x-1)\,(x^6-x^4-2\,x^2+1)}$$

Sequence: A187071
Score: 4.00383
Type of gen. func.: ogf

$$-2 f(x)^{2} x^{4} + 14 f(x)^{2} x^{3} - 19 f(x)^{2} x^{2} + 32 f(x)^{2} x + 3 f(x) x^{2} - 5 f(x)^{2} - 18 f(x) x + 3 f(x) + 2$$

Sequence: A187074
Score: 9.48466
Type of gen. func.: ogf

$$- \frac{(x^{6} + x^{3} + 1) (x^{4} + 1)}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1)}$$

Sequence: A187076
Score: 11.6134
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-4 x^{3} + 4 x^{2} - 8 x + 4}{x^{4} - 1}$$

Sequence: A187077
Score: 10.0639
Type of gen. func.: lgdogf

$$- \frac{2 x^{4} - 8 x^{3} + 17 x^{2} - 12 x + 4}{(x - 1) (2 x^{4} - 10 x^{3} + 13 x^{2} - 7 x + 1)}$$

Sequence: A187077
Score: 4.38969
Type of gen. func.: ogf

-(114 f(x) + 7) (

$$2 f(x) x^4 - 10 f(x) x^3 + 13 f(x) x^2 + x^3 - 7 f(x) x - 3 x^2 + f(x) + 3 x - 1$$

$$)$$

Sequence: A187077
Score: 8.05701
Type of gen. func.: ogf

$$- \frac{(x - 1)^3}{2 x^4 - 10 x^3 + 13 x^2 - 7 x + 1}$$

Sequence: A187078
Score: 15.4678
Type of gen. func.: ogf

$$- \frac{37 x - 38}{(10 x - 1) (x - 1)}$$

Sequence: A187078
Score: 16.5764
Type of gen. func.: lgdogf

$$- \frac{370 x^2 - 760 x + 381}{(x - 1) (37 x - 38) (10 x - 1)}$$

Sequence: A187078
Score: 7.895
Type of gen. func.: ogf

$$(3431 f(x) + 14783) (10 f(x) x^2 - 11 f(x) x + f(x) + 37 x - 38)$$

Sequence: A187078
Score: 8.71172
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 38, a(1) = 381\}$$

Sequence: A187093
Score: 12.6899
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 11 x^4 + 8 x^3 - 8 x^2 - 2 x - 1}{(x - 1) (x^2 + 1) (x^3 - 4 x^2 + 2 x - 1)}$$

Sequence: A187093
Score: 9.54555
Type of gen. func.: ogf

$$\frac{x (x^3 - 4 x^2 + 2 x - 1)}{(x^2 + 1) (x - 1)^3}$$

Sequence: A187107
Score: 12.3925
Type of gen. func.: lgdogf

$$-\frac{7 x^4 + 16 x^3 - 10 x^2 - 14 x + 8}{(x - 1) (7 x^2 + 8 x - 8) (x^2 + x - 1)}$$

Sequence: A187107
Score: 14.0699
Type of gen. func.: ogf

$$-\frac{7 x^2 + 8 x - 8}{(x - 1) (x^2 + x - 1)}$$

Sequence: A187107
Score: 7.76776
Type of gen. func.: ogf

$$(48 f(x) - 505) (f(x) x^3 - 2 f(x) x + 7 x^2 + f(x) + 8 x - 8)$$

Sequence: A187107
Score: 7.93304
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n), a(0) = 8, a(1) = 8, a(2) = 9\}$$

Sequence: A187130
Score: 4.53985
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3 x^{8} - x^{7} + x^{6} - x^{5} - 4 x^{4} - x^{3} + x^{2} - x - 3}{x^{10} - x^{8} + x^{6} - x^{4} + x^{2} - 1}$$

Sequence: A187143
Score: 8.65684
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{4} - 3 x^{3} + 3 x - 1}{-x^{6} + x^{5} - x^{3} + x - 1}$$

Sequence: A187144
Score: 8.22935
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{6} - x^{5} + 2 x^{4} - 2 x^{2} + x + 1}{-x^{8} - x^{4} - 1}$$

Sequence: A187145
Score: 5.62076
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3 x^{7} - 4 x^{6} + 2 x^{5} + x^{4} - x^{3} - 2 x^{2} + 4 x - 3}{x^{9} + x^{6} + x^{3} + 1}$$

Sequence: A187149
Score: 12.2924
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4x^3+4x^2+2x+4}{-x^4+1}$$

Sequence: A187150
Score: 11.7812
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4x^2+2x-2}{x^3-x^2+x-1}$$

Sequence: A187153
Score: 9.20036
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^4+3x^3-3x+1}{-x^6+x^5-x^3+x-1}$$

Sequence: A187154
Score: 10.9656
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^4-x^3-x-2}{-x^6+x^4-x^2+1}$$

Sequence: A187156
Score: 12.9215
Type of gen. func.: ogf

$$4x^2(5+x)$$

$$-\frac{}{(x-1)^3}$$

Sequence: A187156
Score: 39.6807
Type of gen. func.: lgdogf

$$-\frac{2(x+8)}{(5+x)(x-1)}$$

Sequence: A187156
Score: 6.06921
Type of gen. func.: ogf

$$\{a(n+4) - 3a(n+3) + 3a(n+2) - a(n+1), a(0) = 0, a(1) = 0, a(2) = 20, a(3) = 64\}$$

Sequence: A187156
Score: 7.41792
Type of gen. func.: ogf

$$-f(x)(f(x)x^3 - 3f(x)x^2 + 4x^3 + 3f(x)x + 20x^2 - f(x))$$

Sequence: A187157
Score: 11.3529
Type of gen. func.: ogf

$$\frac{4x^2(x^2 - 17x - 2)}{(x-1)^3}$$

Sequence: A187157
Score: 23.1552
Type of gen. func.: lgdogf

$$-\frac{x^2 - 32x - 23}{(x-1)(x^2 - 17x - 2)}$$

Sequence: A187157
Score: 5.48072
Type of gen. func.: ogf

$$\{-a(n + 5) + 3 a(n + 4) - 3 a(n + 3) + a(n + 2), a(0) = 0, a(1) = 0, a(2) = 8, a(3) = 92, a(4) = 248\}$$

Sequence: A187157
Score: 5.93063
Type of gen. func.: ogf

$$-(11405 f(x) + 1138253) (f(x) x^3 - 4 x^4 - 3 f(x) x^2 + 68 x^3 + 3 f(x) x + 8 x^2 - f(x))$$

Sequence: A187158
Score: 10.7398
Type of gen. func.: ogf

$$\frac{4 x^3 (11 x^2 - 43 x - 18)}{(x - 1)^3}$$

Sequence: A187158
Score: 19.0326
Type of gen. func.: lgdogf

$$-\frac{11 x^2 - 64 x - 97}{(x - 1) (11 x^2 - 43 x - 18)}$$

Sequence: A187159
Score: 14.6151
Type of gen. func.: lgdogf

$$-\frac{2 (13 x^2 - 169 x - 57)}{{}^{3}\qquad{}^{2}}$$

$$(x - 1) (41 x - 97 x - 72 x - 14)$$

Sequence: A187159
Score: 8.91614
Type of gen. func.: ogf

$$\frac{4 x^{3} (41 x^{3} - 97 x^{2} - 72 x - 14)}{(x - 1)^{3}}$$

Sequence: A187160
Score: 7.98063
Type of gen. func.: ogf

$$\frac{4 x^{3} (125 x^{4} - 201 x^{3} - 186 x^{2} - 124 x - 4)}{(x - 1)^{3}}$$

Sequence: A187160
Score: 9.95498
Type of gen. func.: lgdogf

$$\frac{125 x^{4} - 500 x^{3} + 789 x^{2} + 620 x + 136}{(x - 1) (125 x^{4} - 201 x^{3} - 186 x^{2} - 124 x - 4)}$$

Sequence: A187161
Score: 7.31089
Type of gen. func.: ogf

$$\frac{4 x^{4} (337 x^{4} - 413 x^{3} - 370 x^{2} - 522 x - 118)}{(x - 1)^{3}}$$

Sequence: A187161
Score: 9.04722
Type of gen. func.: lgdogf

$$\frac{337 x^4 - 1348 x^3 + 1609 x^2 + 1784 x + 876}{(x - 1) (337 x^4 - 413 x^3 - 370 x^2 - 522 x - 118)}$$

Sequence: A187163
Score: 11.1784
Type of gen. func.: ogf

$$\frac{12 x (x + 2)}{(x - 1)^4}$$

Sequence: A187163
Score: 36.9103
Type of gen. func.: lgdogf

$$- \frac{3 (3 + x)}{(x + 2) (x - 1)}$$

Sequence: A187163
Score: 4.89514
Type of gen. func.: ogf

$\{(4 + 2 n) a(n + 3) + (-10 - n) a(n + 2) + (-n - 3) a(n + 1), a(0) = 0,$

$a(1) = 24, a(2) = 108\}$

Sequence: A187163
Score: 5.58922
Type of gen. func.: ogf

$(2421 f(x) + 39878)$

$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 12 x^2 + f(x) - 24 x)$

Sequence: A187164
Score: 16.5347
Type of gen. func.: lgdogf

$$x^3 - 5 x^2 + 67 x + 57$$

$$-\frac{}{(x - 1) (x^3 - 4 x^2 + 25 x + 8)}$$

Sequence: A187164
Score: 4.38745
Type of gen. func.: ogf

$$\{(309 n^2 + 547 n) a(n) + (1552 n^2 + 8848 n + 7296) a(n + 1)$$
$$+ (-1861 n^2 - 2885 n - 1024) a(n + 2), a(0) = 0, a(1) = 48\}$$

Sequence: A187164
Score: 4.86865
Type of gen. func.: ogf

$$(34605 f(x) + 2336992) (f(x) x^4 - 4 f(x) x^3 - 6 x^4 + 6 f(x) x^2 + 24 x^3$$
$$- 4 f(x) x - 150 x^2 + f(x) - 48 x)$$

Sequence: A187164
Score: 8.87813
Type of gen. func.: ogf

$$\frac{6 x (x^3 - 4 x^2 + 25 x + 8)}{(x - 1)^4}$$

Sequence: A187165
Score: 13.0492
Type of gen. func.: lgdogf

$$-\frac{x^3 + 3 x^2 + 204 x + 92}{(x - 1) (2 x^4 - 7 x^3 + 12 x^2 + 60 x + 8)}$$

Sequence: A187165
Score: 7.58340
Type of gen. func.: ogf

$$\frac{12 x (2 x^4 - 7 x^3 + 12 x^2 + 60 x + 8)}{(x - 1)^4}$$

Sequence: A187166
Score: 6.58014
Type of gen. func.: ogf

$$\frac{6 x (9 x^5 + 4 x^4 - 115 x^3 + 360 x^2 + 444 x + 24)}{(x - 1)^4}$$

Sequence: A187166
Score: 8.12797
Type of gen. func.: lgdogf

$$\frac{3 (3 x^5 - 15 x^4 + 33 x^3 - 125 x^2 - 684 x - 180)}{(x - 1) (9 x^5 + 4 x^4 - 115 x^3 + 360 x^2 + 444 x + 24)}$$

Sequence: A187167
Score: 5.65384
Type of gen. func.: ogf

$$\frac{12 x (8 x^6 + 37 x^5 - 110 x^4 - 144 x^3 + 1244 x^2 + 712 x + 20)}{(x - 1)^4}$$

Sequence: A187168
Score: 4.87497
Type of gen. func.: ogf

$$6 x (25 x^7 + 220 x^6 + 133 x^5 - 2240 x^4 + 1844 x^3 + 12816 x^2 + 4096 x + 32) \Big/ (x - 1)^4$$

Sequence: A187169
Score: 4.38280
Type of gen. func.: ogf

$$12 x (18 x^8 + 233 x^7 + 748 x^6 - 1320 x^5 - 6080 x^4 + 13272 x^3 + 28208 x^2 + 5604 x + 12) / (x - 1)^4$$

Sequence: A187170
Score: 3.76139
Type of gen. func.: ogf

$$6 x^2 (49 x^8 + 836 x^7 + 4625 x^6 + 4576 x^5 - 32904 x^4 - 37336 x^3 + 196068 x^2 + 224216 x + 27836) / (x - 1)^4$$

Sequence: A187173
Score: 11.4059
Type of gen. func.: ogf

$$\frac{4 x^3 (x + 1) (x - 4)}{(x - 1)^3}$$

Sequence: A187173
Score: 25.1885
Type of gen. func.: lgdogf

$$- \frac{x^2 - 4 x - 15}{(x - 1) (x - 4) (x + 1)}$$

Sequence: A187173
Score: 4.68102
Type of gen. func.: ogf

$$\{(7 - 7 n) a(n + 1) + (-75 n^2 - 120 n) a(n + 2) + (75 n^2 - 23 n) a(n + 3),$$

a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 16}

Sequence: A187174
Score: 14.8543
Type of gen. func.: lgdogf

$$\frac{x^4 - 4x^3 + 4x^2 + 20x + 6}{(x-1)(x^4 + x^3 - 7x^2 - 3x - 1)}$$

Sequence: A187174
Score: 8.92110
Type of gen. func.: ogf

$$\frac{8x^3 (x^4 + x^3 - 7x^2 - 3x - 1)}{(x-1)^3}$$

Sequence: A187175
Score: 10.0735
Type of gen. func.: lgdogf

$$\frac{2(3x^5 - 3x^4 - 18x^3 + 30x^2 + 46x + 17)}{(x-1)(x-2)(3x^4 + 15x^3 + 18x^2 + 12x + 2)}$$

Sequence: A187175
Score: 7.93668
Type of gen. func.: ogf

$$\frac{4x^4 (x-2)(3x^4 + 15x^3 + 18x^2 + 12x + 2)}{(x-1)^3}$$

Sequence: A187176
Score: 6.51883
Type of gen. func.: ogf

$$\frac{8 x^5 (2 x^6 + 9 x^5 + 3 x^4 - 18 x^3 - 27 x^2 - 29 x - 11)}{(x - 1)^3}$$

Sequence: A187176
Score: 8.13449
Type of gen. func.: lgdogf

$$\frac{6 x^6 + 6 x^5 - 42 x^4 - 12 x^3 + 81 x^2 + 112 x + 62}{(x - 1) (2 x^6 + 9 x^5 + 3 x^4 - 18 x^3 - 27 x^2 - 29 x - 11)}$$

Sequence: A187177
Score: 5.40163
Type of gen. func.: ogf

$$\frac{4 x^5 (5 x^8 + 29 x^7 + 43 x^6 - 19 x^5 - 85 x^4 - 143 x^3 - 136 x^2 - 80 x - 4)}{(x - 1)^3}$$

Sequence: A187178
Score: 4.84182
Type of gen. func.: ogf

$$8 x^6 (3 x^9 + 21 x^8 + 49 x^7 + 28 x^6 - 31 x^5 - 117 x^4 - 164 x^3 - 179 x^2 - 118 x - 35) / (x - 1)^3$$

Sequence: A187179
Score: 11.8911
Type of gen. func.: lgdogf

$$- \frac{6 x^4 + 14 x^3 - 9 x^2 - 12 x + 7}{(x - 1) (6 x^2 + 7 x - 7) (x^2 + x - 1)}$$

Sequence: A187179
Score: 13.2855
Type of gen. func.: ogf

$$-\frac{6 x^{2} + 7 x - 7}{(x - 1) (x^{2} + x - 1)}$$

Sequence: A187179
Score: 7.33468
Type of gen. func.: ogf

$$(35 f(x) - 337) (f(x) x^{3} - 2 f(x) x + 6 x^{2} + f(x) + 7 x - 7)$$

Sequence: A187179
Score: 7.49073
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n), a(0) = 7, a(1) = 7, a(2) = 8\}$$

Sequence: A187180
Score: 12.2347
Type of gen. func.: ogf

$$-(2 f(x) - 3) (f(x) x^{5} - f(x) x^{4} - x^{5} + 2 x^{4} - x^{3} - f(x) x - x^{2} + f(x) - 1)$$

Sequence: A187180
Score: 20.3911
Type of gen. func.: ogf

$$\frac{x^{5} - 2 x^{4} + x^{3} + x^{2} + 1}{(x^{2} + 1) (x + 1) (x - 1)^{2}}$$

Sequence: A187180
Score: 20.4067
Type of gen. func.: lgdogf

7   6   5   4   3   2

$$\frac{x - x - 3 x - 5 x + x - 5 x - 3 x - 1}{(x - 1) (x + 1) (x^{2} + 1) (x^{5} - 2 x^{4} + x^{3} + x^{2} + 1)}$$

Sequence: A187181
Score: 12.7103
Type of gen. func.: ogf

$$\frac{x^{11} - x^{10} - x^{8} + x^{7} + x^{6} + x^{3} + 1}{(x^{6} + x^{3} + 1) (x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A187182
Score: 7.93277
Type of gen. func.: ogf

$$\frac{x^{19} - x^{18} + x^{17} - 2 x^{16} + x^{15} - x^{14} + x^{13} + x^{12} + x^{9} - x^{7} + x^{6} + x^{4} + 1}{(x + 1) (x^{2} + 1) (x^{4} + 1) (x^{8} + 1) (x - 1)^{2}}$$

Sequence: A187183
Score: 7.51981
Type of gen. func.: ogf

$$\frac{x^{29} - x^{28} + x^{27} - x^{26} - x^{24} + x^{23} - x^{22} + x^{21} + x^{20} + x^{15} + x^{10} + x^{5} + 1}{(x^{4} + x^{3} + x^{2} + x + 1) (x^{20} + x^{15} + x^{10} + x^{5} + 1) (x - 1)^{2}}$$

Sequence: A187190
Score: 16.9165
Type of gen. func.: lgdogf

$$- \frac{3 (5 x^{2} + 26 x + 9)}{(x - 1) (5 x^{2} + 17 x + 2)}$$

Sequence: A187190
Score: 7.68271

Type of gen. func.: ogf

$$-\frac{4 x (5 x^2 + 17 x + 2)}{(x - 1)^5}$$

Sequence: A187191
Score: 12.6017
Type of gen. func.: lgdogf

$$-\frac{6 (7 x + 1) (x^2 + 8 x + 6)}{(x - 1) (14 x^3 + 75 x^2 + 30 x + 1)}$$

Sequence: A187191
Score: 6.15638
Type of gen. func.: ogf

$$\frac{8 x (14 x^3 + 75 x^2 + 30 x + 1)}{(x - 1)^6}$$

Sequence: A187192
Score: 3.44715
Type of gen. func.: ogf

$$-\frac{48 x^2 (14 x^3 + 112 x^2 + 99 x + 15)}{(x - 1)^7}$$

Sequence: A187192
Score: 6.96851
Type of gen. func.: lgdogf

$$-\frac{2 (28 x^3 + 301 x^2 + 409 x + 102)}{(x - 1) (14 x^3 + 112 x^2 + 99 x + 15)}$$

Sequence: A187196
Score: 7.12868
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^{10}-2x^{9}-4x^{8}-2x^{6}-4x^{5}-2x^{4}-4x^{2}-2x-2}{x^{12}-1}$$

Sequence: A187197
Score: 6.72132
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^{7}-4x^{6}+4x^{5}+2x^{4}-2x^{3}-4x^{2}+4x-2}{x^{9}+x^{6}+x^{3}+1}$$

Sequence: A187206
Score: 15.9604
Type of gen. func.: ogf

$$\frac{6\,(x+23)}{(x-1)^{2}}$$

Sequence: A187206
Score: 36.7643
Type of gen. func.: lgdogf

$$-\frac{47+x}{(x+23)\,(x-1)}$$

Sequence: A187206
Score: 8.33491
Type of gen. func.: ogf

$$(8\,f(x)+1105)\,(f(x)\,x^{2}-2\,f(x)\,x+f(x)-6\,x-138)$$

Sequence: A187206
Score: 8.72257
Type of gen. func.: ogf

$$\{-a(n+2) + 2\,a(n+1) - a(n),\ a(0) = 138,\ a(1) = 282\}$$

Sequence: A187243
Score: 10.3050
Type of gen. func.: lgdogf

$$-\frac{16\,x^9 + x^8 + x^7 + x^6 + x^5 + 6\,x^4 + x^3 + x^2 + x + 1}{(x-1)\,(x+1)\,(x^4 + x^3 + x^2 + x + 1)\,(x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A187243
Score: 12.4063
Type of gen. func.: ogf

$$-\frac{1}{(x+1)\,(x^4 - x^3 + x^2 - x + 1)\,(x^4 + x^3 + x^2 + x + 1)^2\,(x-1)^3}$$

Sequence: A187243
Score: 32.8462
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^4 + 1$$

Sequence: A187246
Score: 4.17447
Type of gen. func.: ogf

$$\{(2n+2)\,a(n) + (-3n-8)\,a(n+1) + (n+6)\,a(n+2) - a(n+3),\ a(0) = 0,$$
$$a(1) = 0,\ a(2) = 0,\ a(3) = 1\}$$

Sequence: A187248
Score: 20.9222
Type of gen. func.: lgdegf]

$$\exp(2x)\,x - \exp(2x) + x + 1$$

```
                       -1/2 -----------------------------
                                        x - 1



------------------------------------------------------------------------------

Sequence:  A187249
Score: 3.85172
Type of gen. func.: ogf


     2                    2                          2
{(2 n  + 2 n) a(n) + (-3 n  - 12 n - 8) a(n + 1) + (n  + 8 n + 10) a(n + 2)

     + (-2 - n) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 3}



------------------------------------------------------------------------------

Sequence:  A187251
Score: 19.9511
Type of gen. func.: lgdegf]


                 2 a(n) + (-n - 1) a(n + 1), a(0) = 1, a(1) = 1



------------------------------------------------------------------------------

Sequence:  A187256
Score: 14.3089
Type of gen. func.: revogf


                              2     2     1/2   2           1/2
                  -1 - 2 x - x  + (x  + 1)    (x  + 4 x + 1)
                - ---------------------------------------------
                                       2 x



------------------------------------------------------------------------------

Sequence:  A187256
Score: 9.65041
Type of gen. func.: ogf


                        2  2         2
                   -f(x)  x  + f(x) x  - 2 f(x) x + f(x) - 1



------------------------------------------------------------------------------

Sequence:  A187260
Score: 5.23906
Type of gen. func.: ogf


      5       2  3           4         2  2           3       2             2
f(x) x  + f(x)  x  - 3 f(x) x  - 2 f(x)  x  + 3 f(x) x  + f(x)  x - 3 f(x) x

        3
     + x  + 3 f(x) x - f(x)
```

Sequence: A187272
Score: 15.3183
Type of gen. func.: ogf

$$\frac{2 x (x + 1) (2 x + 1)}{(2 x^{2} - 1)^{2}}$$

Sequence: A187272
Score: 20.0697
Type of gen. func.: lgdogf

$$- \frac{8 x^{3} + 18 x^{2} + 12 x + 3}{(2 x + 1) (x + 1) (2 x^{2} - 1)}$$

Sequence: A187272
Score: 8.12537
Type of gen. func.: ogf

$$\{(6 + 2 n) a(n + 1) + (-n - 1) a(n + 3), a(0) = 0, a(1) = 2, a(2) = 6\}$$

Sequence: A187272
Score: 9.63317
Type of gen. func.: ogf

$$(2 f(x) + 1) (4 f(x) x^{4} - 4 f(x) x^{2} - 4 x^{3} - 6 x^{2} + f(x) - 2 x)$$

Sequence: A187273
Score: 15.6085
Type of gen. func.: ogf

$$\frac{3 x (x + 1) (1 + 3 x)}{(3 x^{2} - 1)^{2}}$$

Sequence: A187273
Score: 20.3594
Type of gen. func.: lgdogf

$$-\frac{2\,(9x^3+18x^2+9x+2)}{(1+3x)\,(x+1)\,(3x^2-1)}$$

Sequence: A187273
Score: 8.34247
Type of gen. func.: ogf

$$\{(-9-3n)\,a(n+1)+(n+1)\,a(n+3),\ a(0)=0,\ a(1)=3,\ a(2)=12\}$$

Sequence: A187273
Score: 9.48751
Type of gen. func.: ogf

$$-(8f(x)+7)\,(9f(x)x^4-6f(x)x^2-9x^3-12x^2+f(x)-3x)$$

Sequence: A187274
Score: 14.0407
Type of gen. func.: ogf

$$\frac{4x\,(x+1)\,(4x+1)}{(2x-1)^2\,(2x+1)^2}$$

Sequence: A187274
Score: 16.4465
Type of gen. func.: lgdogf

$$-\frac{32x^3+60x^2+24x+5}{(4x+1)\,(2x+1)\,(2x-1)\,(x+1)}$$

Sequence: A187274
Score: 7.68037
Type of gen. func.: ogf

$$\{(4n+12)\,a(n+1)+(-n-1)\,a(n+3),\ a(0)=0,\ a(1)=4,\ a(2)=20\}$$

Sequence: A187274
Score: 8.47738
Type of gen. func.: ogf

$$-(10 f(x) + 13) (16 f(x) x^4 - 8 f(x) x^2 - 16 x^3 - 20 x^2 + f(x) - 4 x)$$

Sequence: A187275
Score: 13.5246
Type of gen. func.: ogf

$$\frac{5 x (x + 1) (5 x + 1)}{(5 x^2 - 1)^2}$$

Sequence: A187275
Score: 17.7306
Type of gen. func.: lgdogf

$$- \frac{2 (25 x^3 + 45 x^2 + 15 x + 3)}{(5 x + 1) (x + 1) (5 x^2 - 1)}$$

Sequence: A187275
Score: 7.51368
Type of gen. func.: ogf

$$\{(-5 n - 15) a(n + 1) + (n + 1) a(n + 3), a(0) = 0, a(1) = 5, a(2) = 30\}$$

Sequence: A187275
Score: 8.37239
Type of gen. func.: ogf

$$-(4 f(x) + 7) (25 f(x) x^4 - 10 f(x) x^2 - 25 x^3 - 30 x^2 + f(x) - 5 x)$$

Sequence: A187277
Score: 13.8671
Type of gen. func.: ogf

$$-\frac{x^2 - 12 x - 1}{(x - 1)^4}$$

Sequence: A187277
Score: 27.2992
Type of gen. func.: lgdogf

$$-\frac{2 (x^2 - 17 x - 8)}{(x - 1) (x^2 - 12 x - 1)}$$

Sequence: A187277
Score: 4.75832
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (-17 - 11 n) a(n + 3) + (60 + 13 n) a(n + 2)$$

$$+ (-n - 3) a(n + 1), a(0) = 1, a(1) = 16, a(2) = 57, a(3) = 136\}$$

Sequence: A187277
Score: 6.7881
Type of gen. func.: ogf

$$(1510920 f(x) + 13276711)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + x^2 + f(x) - 12 x - 1)$$

Sequence: A187287
Score: 11.7965
Type of gen. func.: ogf

$$\frac{4 x (x^2 - 3 x - 2)}{(x - 1)^3}$$

Sequence: A187287
Score: 24.7511
Type of gen. func.: lgdogf

$$-\frac{x^2 - 4 x - 9}{(x - 1) (x^2 - 3 x - 2)}$$

Sequence: A187287
Score: 5.85389
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 0, a(1) = 8, a(2) = 36,

a(3) = 80}

Sequence: A187287
Score: 6.22855
Type of gen. func.: ogf

$$-(524 f(x) - 7175) (f(x) x^3 - 3 f(x) x^2 - 4 x^3 + 3 f(x) x + 12 x^2 - f(x) + 8 x)$$

Sequence: A187288
Score: 12.8225
Type of gen. func.: lgdogf

$$\frac{3 x^4 - 12 x^3 + 10 x^2 + 56 x + 27}{(x - 1) (3 x^4 - x^3 - 7 x^2 - 21 x - 2)}$$

Sequence: A187288
Score: 9.28974
Type of gen. func.: ogf

$$\frac{4 x (3 x^4 - x^3 - 7 x^2 - 21 x - 2)}{(x - 1)^3}$$

Sequence: A187289
Score: 6.91965
Type of gen. func.: ogf

$$\frac{4 x (5 x^{6} + 5 x^{5} + 15 x^{4} - 43 x^{3} - 104 x^{2} - 66 x - 2)}{(x - 1)^{3}}$$

Sequence: A187289
Score: 7.60951
Type of gen. func.: lgdogf

$$\frac{15 x^{6} - 20 x^{5} - 10 x^{4} - 60 x^{3} + 233 x^{2} + 340 x + 72}{(x - 1) (5 x^{6} + 5 x^{5} + 15 x^{4} - 43 x^{3} - 104 x^{2} - 66 x - 2)}$$

Sequence: A187290
Score: 6.03710
Type of gen. func.: ogf

$$\frac{4 x^{2} (7 x^{7} + 15 x^{6} + 64 x^{5} + 24 x^{4} - 78 x^{3} - 518 x^{2} - 604 x - 180)}{(x - 1)^{3}}$$

Sequence: A187291
Score: 4.61364
Type of gen. func.: ogf

$$4 x^{2} (9 x^{9} + 29 x^{8} + 144 x^{7} + 228 x^{6} + 384 x^{5} - 356 x^{4} - 1844 x^{3} - 3834 x^{2} - 2776 x - 360) \Big/ (x - 1)^{3}$$

Sequence: A187292
Score: 3.83911
Type of gen. func.: ogf

$$4 x^{2} (11 x^{11} + 47 x^{10} + 261 x^{9} + 637 x^{8} + 1604 x^{7} + 1716 x^{6} + 280 x^{5} - 7392 x^{4} - 17964 x^{3} - 23120 x^{2} - 10184 x - 576) \Big/ (x - 1)^{3}$$

Sequence: A187297
Score: 12.6759
Type of gen. func.: ogf

$$\frac{2 x (x^2 - 3 x - 2)}{(x - 1)^3}$$

Sequence: A187297
Score: 26.2059
Type of gen. func.: lgdogf

$$-\frac{x^2 - 4 x - 9}{(x - 1) (x^2 - 3 x - 2)}$$

Sequence: A187297
Score: 6.19498
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 0, a(1) = 4, a(2) = 18,

a(3) = 40}

Sequence: A187297
Score: 6.59145
Type of gen. func.: ogf

$$-(1048 f(x) - 7175) (f(x) x^3 - 3 f(x) x^2 - 2 x^3 + 3 f(x) x + 6 x^2 - f(x) + 4 x)$$

Sequence: A187298
Score: 12.6599
Type of gen. func.: lgdogf

$$\frac{3 x^4 - 12 x^3 + 13 x^2 + 26 x + 18}{(x - 1) (3 x^4 - 5 x^3 + 2 x^2 - 15 x - 1)}$$

Sequence: A187298
Score: 9.59186
Type of gen. func.: ogf

$$\frac{2 x (3 x^4 - 5 x^3 + 2 x^2 - 15 x - 1)}{(x - 1)^3}$$

Sequence: A187299
Score: 8.01120
Type of gen. func.: ogf

$$\frac{2 x^2 (5 x^5 - 7 x^4 + 15 x^3 - 27 x^2 - 17 x - 27)}{(x - 1)^3}$$

Sequence: A187299
Score: 9.94597
Type of gen. func.: lgdogf

$$\frac{2 (5 x^5 - 16 x^4 + 14 x^3 - 9 x^2 + 44 x + 49)}{(x - 1) (5 x^5 - 7 x^4 + 15 x^3 - 27 x^2 - 17 x - 27)}$$

Sequence: A187300
Score: 6.30102
Type of gen. func.: ogf

$$\frac{2 x^2 (7 x^7 - 9 x^6 + 38 x^5 - 50 x^4 + 33 x^3 - 115 x^2 - 73 x - 45)}{(x - 1)^3}$$

Sequence: A187301
Score: 5.16710
Type of gen. func.: ogf

$$2 x^2 ($$

$$9 x^9 - 11 x^8 + 69 x^7 - 75 x^6 + 151 x^5 - 235 x^4 - 5 x^3 - 393 x^2 - 226 x - 72$$

$$\Big) \Big/ (x - 1)^3$$

Sequence: A187302
Score: 4.36275
Type of gen. func.: ogf

$$2 x^2 (11 x^{11} - 13 x^{10} + 108 x^9 - 104 x^8 + 369 x^7 - 393 x^6 + 368 x^5 - 904 x^4 - 400 x^3 - 1242 x^2 - 522 x - 54) \Big/ (x - 1)^3$$

Sequence: A187303
Score: 3.78440
Type of gen. func.: ogf

$$2 x^2 (13 x^{13} - 15 x^{12} + 155 x^{11} - 137 x^{10} + 705 x^9 - 579 x^8 + 1337 x^7 - 1607 x^6 + 196 x^5 - 3148 x^4 - 2401 x^3 - 3455 x^2 - 906 x - 36) \Big/ (x - 1)^3$$

Sequence: A187306
Score: 3.87200
Type of gen. func.: ogf

$$\{(9 + 3 n) a(n + 1) + (5 n + 18) a(n + 2) + (n + 3) a(n + 3) + (-n - 6) a(n + 4), a(0) = 1, a(1) = 0, a(2) = 2, a(3) = 2\}$$

Sequence: A187306
Score: 7.98854
Type of gen. func.: ogf

$$-f(x)^2 x^4 - 2 f(x)^2 x^3 - f(x)^2 x^2 - f(x) x^2 + f(x) - 1$$

Sequence: A187306
Score: 8.04957
Type of gen. func.: lgdogf

$$-\frac{-x I - I + 2 (3 x - 1)^{1/2} x (x + 1)^{1/2} + (3 x - 1)^{1/2} (x + 1)^{1/2}}{(3 x - 1)^{1/2} x (x + 1)^{3/2}}$$

Sequence: A187307
Score: 17.2843
Type of gen. func.: lgdogf

$$-\frac{x^4 - x^3 - 3 x^2 - 2 x + 2}{(x^2 - x + 1) (x^3 - x^2 - 1)}$$

Sequence: A187307
Score: 4.8417
Type of gen. func.: ogf

$$(54 f(x) + 53)$$

$$(f(x) x^4 - 2 f(x) x^3 + 3 f(x) x^2 + x^3 - 2 f(x) x - x^2 + f(x) - 1)$$

Sequence: A187307
Score: 8.95381
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 - 1}{(x^2 - x + 1)^2}$$

Sequence: A187309
Score: 3.82213
Type of gen. func.: ogf

$$-\frac{2592 x^7 + 324 x^6 - 2718 x^5 + 477 x^4 + 210 x^3 + 252 x^2 - 2 x - 210}{81 x^8 - 90 x^6 + 27 x^5 + 6 x^4 + 6 x^3 - x^2 - 7 x + 1}$$

Sequence: A187318
Score: 15.0977

Type of gen. func.: ogf

$$\frac{x\,(2\,x^4+2\,x^3+2\,x^2+2\,x+1)}{(x^4+x^3+x^2+x+1)\,(x-1)^2}$$

Sequence: A187321
Score: 14.1170
Type of gen. func.: lgdogf

$$-\frac{6\,x^5+2\,x^4+7\,x^3+3\,x^2+5\,x+1}{(x-1)\,(x+1)\,(2\,x^2+1)\,(x^2+1)}$$

Sequence: A187321
Score: 14.4891
Type of gen. func.: ogf

$$\frac{x^2\,(2\,x^2+1)}{(x^2+1)\,(x+1)\,(x-1)^2}$$

Sequence: A187321
Score: 9.93073
Type of gen. func.: ogf

$$f(x)\,x^5-f(x)\,x^4-2\,x^4-f(x)\,x-x^2+f(x)$$

Sequence: A187322
Score: 14.5648
Type of gen. func.: ogf

$$\frac{x^2\,(2\,x^2+x+2)}{(x^2+1)\,(x+1)\,(x-1)^2}$$

Sequence: A187322

Score: 29.1436
Type of gen. func.: lgdogf

$$-\frac{6x^5+6x^4+13x^3+5x^2+7x+3}{(x-1)(x+1)(x^2+1)(2x^2+x+2)}$$

Sequence: A187323
Score: 20.5842
Type of gen. func.: ogf

$$\frac{x^2(3x^4+3x^3+4x^2+2x+1)}{(x+1)(x^2+1)(x^2+x+1)(x-1)^2}$$

Sequence: A187324
Score: 11.5188
Type of gen. func.: ogf

$$\frac{x^2(x^4+x^3+2x^2+2x+1)}{(x+1)(x^2+1)(x^2+x+1)(x-1)^2}$$

Sequence: A187325
Score: 4.98952
Type of gen. func.: ogf

$$\frac{x^2(2x^4+3x^3+3x^2+2x+1)(2x^4+x^3+2x^2+x+1)}{(x+1)(x^2+x+1)(x^4+x^3+x^2+x+1)(x^2+1)(x-1)^2}$$

Sequence: A187326
Score: 15.5594
Type of gen. func.: ogf

$$\frac{x^2(3x^2+x+2)}{(x^2+1)(x+1)(x-1)^2}$$

Sequence: A187326
Score: 16.3821
Type of gen. func.: lgdogf

$$-\frac{9 x^{5} + 7 x^{4} + 14 x^{3} + 6 x^{2} + 9 x + 3}{(x - 1) (x + 1) (x^{2} + 1) (3 x^{2} + x + 2)}$$

Sequence: A187327
Score: 21.6368
Type of gen. func.: lgdogf

$$-\frac{9 x^{7} + 7 x^{6} + 9 x^{5} + 11 x^{4} + 6 x^{3} + 12 x^{2} + 4 x + 2}{(x - 1) (3 x^{3} + x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A187327
Score: 24.2904
Type of gen. func.: ogf

$$\frac{x^{2} (3 x^{3} + x^{2} + x + 1)}{(x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A187331
Score: 13.0173
Type of gen. func.: ogf

$$\frac{x (4 x^{3} + 2 x^{2} + 3 x + 1)}{(x^{2} + 1) (x + 1) (x - 1)^{2}}$$

Sequence: A187331
Score: 21.2618
Type of gen. func.: lgdogf

$$-\frac{2 (4 x^{6} + 5 x^{5} + 9 x^{4} + 7 x^{3} + 9 x^{2} + 4 x + 2)}{}$$

$$(x - 1) (x + 1) (x^2 + 1) (4 x^3 + 2 x^2 + 3 x + 1)$$

Sequence: A187332
Score: 8.84253
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^4 + x^3 + x + 2)}{(x^2 - x + 1) (x^2 + x + 1) (x + 1) (x - 1)^2}$$

Sequence: A187333
Score: 12.6355
Type of gen. func.: lgdogf

$$- \frac{6 x^7 + 6 x^6 + 8 x^5 + 10 x^4 + 5 x^3 + 9 x^2 + 4 x + 2}{(x - 1) (2 x^3 + x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A187333
Score: 14.0608
Type of gen. func.: ogf

$$\frac{2 x^2 (2 x^3 + x^2 + x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A187334
Score: 20.9674
Type of gen. func.: ogf

$$\frac{x (5 x^4 + 3 x^3 + 3 x^2 + 3 x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A187335
Score: 11.9087
Type of gen. func.: ogf

$$\frac{x^{10} + x^9 + x^8 + x^7 + 2 x^6 + x^5 + 2 x^4 + x^3 + 2 x^2 + x + 2}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A187336
Score: 21.8434
Type of gen. func.: ogf

$$\frac{x^2 (5 x^4 + 2 x^3 + 2 x^2 + 3 x + 3)}{(x^2 - x + 1) (x^2 + x + 1) (x + 1) (x - 1)^2}$$

Sequence: A187337
Score: 18.3506
Type of gen. func.: ogf

$$\frac{3 x^2 (2 x^5 + x^4 + x^3 + x^2 + x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A187340
Score: 16.8717
Type of gen. func.: lgdogf

$$- \frac{x^4 - 7 x^3 - 3 x^2 + 4 x + 2}{(x^2 - x + 1) (x^3 - 4 x^2 - 1)}$$

Sequence: A187340
Score: 5.16882
Type of gen. func.: ogf

$$(72 f(x) - 313)$$

$$(f(x) x^4 - 2 f(x) x^3 + 3 f(x) x^2 + x^3 - 2 f(x) x - 4 x^2 + f(x) - 1)$$

Sequence: A187340

Score: 9.62958
Type of gen. func.: ogf

$$-\frac{x^3 - 4x^2 - 1}{(x^2 - x + 1)^2}$$

Sequence: A187357
Score: 5.83038
Type of gen. func.: ogf

$$\{(-576 n^3 - 2592 n^2 - 3824 n - 1848) a(n + 1) + (9 n^3 + 54 n^2 + 107 n + 70) a(n + 2), a(0) = 1, a(1) = 5\}$$

Sequence: A187358
Score: 5.23289
Type of gen. func.: ogf

$$\{(576 n^3 + 3168 n^2 + 5744 n + 3432) a(n + 1) + (-9 n^3 - 63 n^2 - 146 n - 112) a(n + 2), a(0) = 1, a(1) = 14\}$$

Sequence: A187359
Score: 25.0618
Type of gen. func.: revogf

$$-\frac{x (2 x - 1) (6 x - 1)^3 (3 x - 1)^3}{(4 x - 1)^2}$$

Sequence: A187359
Score: 6.79425
Type of gen. func.: ogf

$$\{(576 n^3 + 3744 n^2 + 8048 n + 5720) a(n + 1) + (-9 n^3 - 72 n^2 - 191 n - 168) a(n + 2), a(0) = 1, a(1) = 21\}$$

Sequence: A187361
Score: 16.3463
Type of gen. func.: ogf

$$\frac{2 x - 1}{x^2 + 14 x - 1}$$

Sequence: A187361
Score: 20.5540
Type of gen. func.: lgdogf

$$- \frac{2 (x + 2) (x - 3)}{(2 x - 1) (x^2 + 14 x - 1)}$$

Sequence: A187361
Score: 8.17314
Type of gen. func.: ogf

$$-(85 f(x) - 13) (f(x) x^2 + 14 f(x) x - f(x) - 2 x + 1)$$

Sequence: A187361
Score: 8.95152
Type of gen. func.: ogf

$$\{-a(n + 2) + 14 a(n + 1) + a(n), a(0) = 1, a(1) = 12\}$$

Sequence: A187362
Score: 16.7370
Type of gen. func.: ogf

$$- \frac{x + 2}{x^2 + 14 x - 1}$$

Sequence: A187362
Score: 23.6850
Type of gen. func.: lgdogf

$$-\frac{x^2 + 4 x + 29}{(x + 2) (x^2 + 14 x - 1)}$$

Sequence: A187362
Score: 8.6506
Type of gen. func.: ogf

$$(410 f(x) + 21) (f(x) x^2 + 14 f(x) x - f(x) + x + 2)$$

Sequence: A187362
Score: 9.16551
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1) - a(n), a(0) = 2, a(1) = 29\}$$

Sequence: A187364
Score: 4.28657
Type of gen. func.: ogf

$$\{(576 n^3 + 3168 n^2 + 5744 n + 3432) a(n + 1)$$
$$+ (-9 n^3 - 54 n^2 - 107 n - 70) a(n + 2), a(0) = 1, a(1) = 35\}$$

Sequence: A187365
Score: 4.29480
Type of gen. func.: ogf

$$\{(-576 n^3 - 3744 n^2 - 8048 n - 5720) a(n + 1)$$
$$+ (9 n^3 + 63 n^2 + 146 n + 112) a(n + 2), a(0) = 1, a(1) = 42\}$$

Sequence: A187366
Score: 3.84368
Type of gen. func.: ogf

$$\quad ^{3} \qquad ^{2}$$

```
{(-576 n  - 4320 n  - 10736 n - 8840) a(n + 1)

           3        2
     + (9 n  + 72 n  + 191 n + 168) a(n + 2), a(0) = 5, a(1) = 231}
```

Sequence: A187378
Score: 10.2797
Type of gen. func.: ogf

```
                                3       2
                          2 x (x  - 12 x  - 14 x - 2)
                          ---------------------------
                                             3
                                   (x - 1)
```

Sequence: A187378
Score: 18.5344
Type of gen. func.: lgdogf

```
                                    2
                               9 x  + 52 x + 20
                        -------------------------------
                                    3       2
                        (x - 1) (x  - 12 x  - 14 x - 2)
```

Sequence: A187378
Score: 5.20930
Type of gen. func.: ogf

```
{a(n + 5) - 3 a(n + 4) + 3 a(n + 3) - a(n + 2), a(0) = 0, a(1) = 4, a(2) = 40,

    a(3) = 132, a(4) = 278}
```

Sequence: A187378
Score: 5.354
Type of gen. func.: ogf

```
-(23827365 f(x) + 942086384)

           3      4            2        3                  2
    (f(x) x  - 2 x  - 3 f(x) x  + 24 x  + 3 f(x) x + 28 x  - f(x) + 4 x)
```

Sequence: A187379
Score: 16.4463
Type of gen. func.: lgdogf

$$\frac{2 (2 x^2 + 111 x + 94)}{(x - 1) (13 x^3 - 43 x^2 - 68 x - 40)}$$

Sequence: A187379
Score: 9.83701
Type of gen. func.: ogf

$$\frac{x^2 (13 x^3 - 43 x^2 - 68 x - 40)}{(x - 1)^3}$$

Sequence: A187380
Score: 10.4946
Type of gen. func.: lgdogf

$$\frac{22 x^4 - 88 x^3 + 179 x^2 + 304 x + 132}{(x - 1) (22 x^4 - 41 x^3 - 56 x^2 - 96 x - 12)}$$

Sequence: A187380
Score: 8.06292
Type of gen. func.: ogf

$$\frac{2 x^2 (22 x^4 - 41 x^3 - 56 x^2 - 96 x - 12)}{(x - 1)^3}$$

Sequence: A187381
Score: 6.98490
Type of gen. func.: ogf

$$\frac{x^2 (129 x^5 - 167 x^4 - 148 x^3 - 500 x^2 - 270 x - 18)}{(x - 1)^3}$$

Sequence: A187381

Score: 7.65295
Type of gen. func.: lgdogf

$$\frac{2\,(129\,x^5 - 406\,x^4 + 334\,x^3 + 472\,x^2 + 770\,x + 162)}{(x - 1)\,(129\,x^5 - 167\,x^4 - 148\,x^3 - 500\,x^2 - 270\,x - 18)}$$

Sequence: A187382
Score: 6.82652
Type of gen. func.: ogf

$$\frac{2\,x^3\,(171\,x^5 - 168\,x^4 - 48\,x^3 - 586\,x^2 - 464\,x - 202)}{(x - 1)^3}$$

Sequence: A187382
Score: 7.50830
Type of gen. func.: lgdogf

$$\frac{342\,x^5 - 1023\,x^4 + 672\,x^3 + 730\,x^2 + 2100\,x + 1070}{(x - 1)\,(171\,x^5 - 168\,x^4 - 48\,x^3 - 586\,x^2 - 464\,x - 202)}$$

Sequence: A187383
Score: 6.19721
Type of gen. func.: ogf

$$\frac{x^3\,(865\,x^6 - 687\,x^5 + 364\,x^4 - 2772\,x^3 - 2160\,x^2 - 2040\,x - 340)}{(x - 1)^3}$$

Sequence: A187384
Score: 5.42209
Type of gen. func.: ogf

$$2\,x^3\,(1048\,x^7 - 691\,x^6 + 1108\,x^5 - 3300\,x^4 - 2202\,x^3 - 3258\,x^2 - 1476\,x - 140) \Big/ (x - 1)^3$$

Sequence: A187392
Score: 11.1891
Type of gen. func.: ogf

$$\frac{2 x^{10} + x^9 + x^8 + x^7 + x^6 + 2 x^5 + x^4 + x^3 + x^2 + x + 1}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A187427
Score: 14.3787
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^2 - 3 x - 3}{x^3 - 1}$$

Sequence: A187428
Score: 15.0654
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^2 - 4 x - 4}{-x^3 + 1}$$

Sequence: A187430
Score: 37.0403
Type of gen. func.: revogf

$$\frac{x (x - 1)^2}{(x^2 - x + 1)^2}$$

Sequence: A187452
Score: 15.8921
Type of gen. func.: lgdogf

$$4 x^3 + 19 x^2 + 20 x + 7$$

$$-\frac{\qquad}{(x - 1) (x + 1) (x^2 + 3 x + 1)}$$

Sequence: A187452
Score: 9.80374
Type of gen. func.: ogf

$$-\frac{4 x (x^2 + 3 x + 1)}{(x + 1) (x - 1)^5}$$

Sequence: A187466
Score: 11.9925
Type of gen. func.: ogf

$$-\frac{5 x^4 + 3 x^3 + 4 x^2 + 9 x + 1}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A187468
Score: 10.9140
Type of gen. func.: lgdogf

$$\frac{2 (128 x^4 - 192 x^3 + 64 x^2 - 8 x + 1)}{(2 x - 1) (4 x - 1) (32 x^3 - 4 x + 1)}$$

Sequence: A187468
Score: 13.1736
Type of gen. func.: ogf

$$\frac{32 x^3 - 4 x + 1}{(4 x - 1) (2 x - 1)}$$

Sequence: A187468
Score: 6.18584
Type of gen. func.: ogf

$$\{a(n+4) - 6\,a(n+3) + 8\,a(n+2),\ a(0) = 1,\ a(1) = 2,\ a(2) = 4,\ a(3) = 40\}$$

Sequence: A187468
Score: 7.56778
Type of gen. func.: ogf

$$(f(x) - 1)\,(8\,f(x)\,x^2 - 32\,x^3 - 6\,f(x)\,x + f(x) + 4\,x - 1)$$

Sequence: A187484
Score: 5.60504
Type of gen. func.: ogf

$$\frac{x^{32} - x^{30} + x^{26} - x^{24} + x^{14} + x^{13} + x^{12} + x^9 + 2\,x^8 + x^5 + 2\,x^4 + x + 1}{(x + 1)\,(x^8 + 1)\,(x^4 + 1)\,(x - 1)^2}$$

Sequence: A187495
Score: 5.38082
Type of gen. func.: ogf

$$\frac{x^3\,(x^7 - x^5 - x^4 - x^2 - x - 1)}{(x^2 + x + 1)\,(x^9 + 3\,x^6 - 1)}$$

Sequence: A187496
Score: 5.80590
Type of gen. func.: ogf

$$\frac{x^7 - x^5 - x^4 - x^2 - x - 1}{(x^2 + x + 1)\,(x^9 + 3\,x^6 - 1)}$$

Sequence: A187497
Score: 9.28119
Type of gen. func.: ogf

$$x\,(x^7 - x^6 + x^4 + x^2 + 1)$$

$$-\frac{}{x^{9} + 3 x^{6} - 1}$$

Sequence: A187498
Score: 5.01925
Type of gen. func.: ogf

$$-\frac{x^{2} (x + 1) (x^{6} + 3 x^{4} + 2 x^{2} + 1)}{(x^{2} + x + 1) (x^{9} + 3 x^{6} - 1)}$$

Sequence: A187499
Score: 8.87524
Type of gen. func.: ogf

$$-\frac{x^{4} (x - 1) (x^{6} + x^{5} - x^{3} + x^{2} + x + 1)}{3 x^{9} - 3 x^{3} + 1}$$

Sequence: A187500
Score: 7.05861
Type of gen. func.: ogf

$$-\frac{x^{11} - x^{9} + x^{8} - x^{7} + x^{6} - x^{5} + 2 x^{3} - 1}{3 x^{9} - 3 x^{3} + 1}$$

Sequence: A187501
Score: 9.55038
Type of gen. func.: ogf

$$-\frac{x (x - 1) (x^{6} + x^{5} - x^{3} + x^{2} + x + 1)}{3 x^{9} - 3 x^{3} + 1}$$

Sequence: A187502
Score: 6.79042
Type of gen. func.: ogf

$$\frac{x^{2} (x^{9} - x^{7} - x^{5} - x^{4} - 2 x^{3} + x^{2} + x + 1)}{3 x^{9} - 3 x^{3} + 1}$$

Sequence: A187503
Score: 6.07899
Type of gen. func.: ogf

$$- \frac{x^{5} (x^{5} - 2 x^{4} + 2 x^{3} - x^{2} - 1)}{(x^{2} - x + 1) (x^{9} - 3 x^{3} + 1)}$$

Sequence: A187504
Score: 4.52490
Type of gen. func.: ogf

$$- \frac{(x - 1) (x^{8} - x^{7} + x^{6} - x^{5} + 2 x^{4} - 2 x^{3} + x^{2} + 1)}{(x^{2} - x + 1) (x^{9} - 3 x^{3} + 1)}$$

Sequence: A187505
Score: 9.64025
Type of gen. func.: ogf

$$- \frac{x (x - 1) (x^{4} + 2 x^{2} + x + 1)}{x^{9} - 3 x^{3} + 1}$$

Sequence: A187506
Score: 6.21024
Type of gen. func.: ogf

$$- \frac{x^{2} (x^{5} - 2 x^{4} + 2 x^{3} - x^{2} - 1)}{(x^{2} - x + 1) (x^{9} - 3 x^{3} + 1)}$$

Sequence: A187508
Score: 11.9105
Type of gen. func.: ogf

$$\frac{x (x^2 - 13 x - 6)}{(x - 1)^3}$$

Sequence: A187508
Score: 22.7884
Type of gen. func.: lgdogf

$$- \frac{x^2 - 24 x - 31}{(x - 1) (x^2 - 13 x - 6)}$$

Sequence: A187508
Score: 5.91046
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 0, a(1) = 6, a(2) = 31,

a(3) = 74}

Sequence: A187508
Score: 6.28873
Type of gen. func.: ogf

(76788 f(x) - 555775)

$$(f(x) x^3 - 3 f(x) x^2 - x^3 + 3 f(x) x + 13 x^2 - f(x) + 6 x)$$

Sequence: A187509
Score: 10.8642
Type of gen. func.: ogf

$$\frac{x (3 x^3 - 13 x^2 - 30 x - 2)}{(x - 1)^3}$$

Sequence: A187509
Score: 17.8578
Type of gen. func.: lgdogf

$$\frac{2\,(2\,x^2 + 43\,x + 18)}{(x - 1)\,(3\,x^3 - 13\,x^2 - 30\,x - 2)}$$

Sequence: A187509
Score: 5.50549
Type of gen. func.: ogf

$$\{a(n + 5) - 3\,a(n + 4) + 3\,a(n + 3) - a(n + 2),\ a(0) = 0,\ a(1) = 2,\ a(2) = 36,$$
$$a(3) = 115,\ a(4) = 236\}$$

Sequence: A187509
Score: 5.54294
Type of gen. func.: ogf

$$-(567381780\,f(x) + 25510030207)$$
$$(f(x)\,x^3 - 3\,x^4 - 3\,f(x)\,x^2 + 13\,x^3 + 3\,f(x)\,x + 30\,x^2 - f(x) + 2\,x)$$

Sequence: A187510
Score: 16.6392
Type of gen. func.: lgdogf

$$-\frac{2\,(6\,x^2 - 67\,x - 92)}{(x - 1)\,(5\,x^3 - 3\,x^2 - 64\,x - 40)}$$

Sequence: A187510
Score: 9.99266
Type of gen. func.: ogf

$$\frac{x^2\,(5\,x^3 - 3\,x^2 - 64\,x - 40)}{(x - 1)^3}$$

Sequence: A187511
Score: 10.9921
Type of gen. func.: lgdogf

$$\frac{7 x^4 - 28 x^3 + 31 x^2 + 456 x + 272}{(x - 1) (7 x^4 + 11 x^3 - 64 x^2 - 164 x - 36)}$$

Sequence: A187511
Score: 8.38536
Type of gen. func.: ogf

$$\frac{x^2 (7 x^4 + 11 x^3 - 64 x^2 - 164 x - 36)}{(x - 1)^3}$$

Sequence: A187512
Score: 7.39513
Type of gen. func.: ogf

$$\frac{x^2 (x + 1) (9 x^4 + 20 x^3 - 44 x^2 - 250 x - 20)}{(x - 1)^3}$$

Sequence: A187512
Score: 8.82412
Type of gen. func.: lgdogf

$$\frac{2 (9 x^5 - 8 x^4 - 58 x^3 + 183 x^2 + 564 x + 165)}{(x - 1) (x + 1) (9 x^4 + 20 x^3 - 44 x^2 - 250 x - 20)}$$

Sequence: A187513
Score: 6.60795
Type of gen. func.: ogf

$$x^2 (11 x^6 + 51 x^5 + 50 x^4 - 308 x^3 - 776 x^2 - 354 x - 12)$$

$$(x-1)^3$$

Sequence: A187514
Score: 5.96965
Type of gen. func.: ogf

$$\frac{x^2 (13 x^7 + 77 x^6 + 164 x^5 - 164 x^4 - 1250 x^3 - 1540 x^2 - 432 x - 6)}{(x-1)^3}$$

Sequence: A187515
Score: 5.47292
Type of gen. func.: ogf

$$\frac{x^3 (15 x^7 + 107 x^6 + 324 x^5 + 172 x^4 - 1366 x^3 - 3386 x^2 - 2674 x - 398)}{(x-1)^3}$$

Sequence: A187532
Score: 8.43734
Type of gen. func.: ogf

$$-\frac{5 x^8 + 6 x^7 + 11 x^6 + 17 x^5 + 9 x^4 + 7 x^3 + 16 x^2 + 4 x + 1}{(x-1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A187535
Score: 4.95625
Type of gen. func.: ogf

$$\{(16 n^2 + 16 n + 4) a(n) + (-n - 1) a(n + 1), a(0) = 1, a(1) = 2\}$$

Sequence: A187536
Score: 3.54891
Type of gen. func.: ogf

$$\{(-16 n^2 - 80 n - 100) a(n + 1) + (16 n^2 + 81 n + 103) a(n + 2)$$

$$+ (-n - 3) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 39\}$$

Sequence: A187538
Score: 4.16840
Type of gen. func.: ogf

$$\{(-16 n^2 - 80 n - 100) a(n + 1) + (-16 n^2 - 79 n - 97) a(n + 2)$$

$$+ (n + 3) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 35\}$$

Sequence: A187541
Score: 9.35748
Type of gen. func.: ogf

$$\frac{x (4 x^6 + x^5 + 12 x^4 + 16 x^3 + 12 x^2 + x + 4)}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A187560
Score: 12.3563
Type of gen. func.: ogf

$$\frac{4 x^2 + x - 2}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A187560
Score: 6.33134
Type of gen. func.: ogf

$$-(107 f(x) - 7594) (8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x - 4 x^2 - f(x) - x + 2)$$

Sequence: A187560
Score: 6.66168
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) - 14 a(n + 1) + 8 a(n), a(0) = 2, a(1) = 13, a(2) = 59\}$$

Sequence: A187560
Score: 7.77034
Type of gen. func.: lgdogf

$$-\frac{32 x^4 + 16 x^3 - 90 x^2 + 64 x - 13}{(x - 1) (2 x - 1) (4 x - 1) (4 x^2 + x - 2)}$$

Sequence: A187587
Score: 10.7223
Type of gen. func.: ogf

$$\frac{x (7 x^3 - 49 x^2 - 69 x - 5)}{(x - 1)^3}$$

Sequence: A187587
Score: 17.6246
Type of gen. func.: lgdogf

$$\frac{4 (7 x^2 + 59 x + 21)}{(x - 1) (7 x^3 - 49 x^2 - 69 x - 5)}$$

Sequence: A187587
Score: 5.43362
Type of gen. func.: ogf

{a(n + 5) - 3 a(n + 4) + 3 a(n + 3) - a(n + 2), a(0) = 0, a(1) = 5, a(2) = 84,

a(3) = 286, a(4) = 604}

Sequence: A187587
Score: 5.47058
Type of gen. func.: ogf

$$(72773824090 f(x) + 8301671104363)$$

$$(f(x) x^3 - 7 x^4 - 3 f(x) x^2 + 49 x^3 + 3 f(x) x + 69 x^2 - f(x) + 5 x)$$

Sequence: A187588
Score: 14.1517
Type of gen. func.: lgdogf

$$-\frac{11 x^{2} - 328 x - 289}{(x - 1) (15 x^{3} - 34 x^{2} - 130 x - 53)}$$

Sequence: A187588
Score: 8.78129
Type of gen. func.: ogf

$$\frac{2 x^{2} (15 x^{3} - 34 x^{2} - 130 x - 53)}{(x - 1)^{3}}$$

Sequence: A187589
Score: 8.03858
Type of gen. func.: ogf

$$\frac{x^{2} (93 x^{4} - 41 x^{3} - 619 x^{2} - 757 x - 104)}{(x - 1)^{3}}$$

Sequence: A187589
Score: 9.74389
Type of gen. func.: lgdogf

$$\frac{93 x^{4} - 372 x^{3} + 742 x^{2} + 2752 x + 1069}{(x - 1) (93 x^{4} - 41 x^{3} - 619 x^{2} - 757 x - 104)}$$

Sequence: A187590
Score: 6.86670
Type of gen. func.: ogf

$$2 x^{2} (129 x^{5} + 95 x^{4} - 576 x^{3} - 1388 x^{2} - 737 x - 39)$$

$$(x - 1)^{3}$$

Sequence: A187590
Score: 7.58131
Type of gen. func.: lgdogf

$$\frac{2\,(129\,x^{5} - 275\,x^{4} - 190\,x^{3} + 1558\,x^{2} + 2125\,x + 427)}{(x - 1)\,(129\,x^{5} + 95\,x^{4} - 576\,x^{3} - 1388\,x^{2} - 737\,x - 39)}$$

Sequence: A187591
Score: 6.23313
Type of gen. func.: ogf

$$\frac{x^{2}\,(663\,x^{6} + 1095\,x^{5} - 1481\,x^{4} - 7443\,x^{3} - 8231\,x^{2} - 2207\,x - 34)}{(x - 1)^{3}}$$

Sequence: A187592
Score: 5.41806
Type of gen. func.: ogf

$$x^{2}\,(1634\,x^{7} + 3976\,x^{6} + 286\,x^{5} - 16432\,x^{4} - 29715\,x^{3} - 18915\,x^{2} - 2753\,x - 13) \Big/ (x - 1)^{3}$$

Sequence: A187593
Score: 5.06971
Type of gen. func.: ogf

$$x^{3}\,(3889\,x^{7} + 12207\,x^{6} + 10953\,x^{5} - 28587\,x^{4} - 85546\,x^{3} - 90876\,x^{2} - 36636\,x - 3108) \Big/ (x - 1)^{3}$$

Sequence: A187594
Score: 26.1031

Type of gen. func.: revogf

$$-\frac{x (2 x - 1)}{(1 - 4 x)^{3/2}}$$

Sequence: A187601
Score: 6.27390
Type of gen. func.: ogf

$$\frac{x (x^6 + x^5 + x^4 - x^3 + x^2 + x + 1)}{(x - 1)^2 (x + 1)^2 (x^2 - x + 1)^2}$$

Sequence: A187607
Score: 10.0150
Type of gen. func.: ogf

$$\frac{x^2 (5 x^3 - 19 x^2 - 9 x - 9)}{(x - 1)^3}$$

Sequence: A187607
Score: 18.8707
Type of gen. func.: lgdogf

$$\frac{4 (x^2 + 14 x + 9)}{(x - 1) (5 x^3 - 19 x^2 - 9 x - 9)}$$

Sequence: A187607
Score: 4.33985
Type of gen. func.: ogf

$$\{(36 n^2 - 11 n - 25) a(n + 1) + (-4 n^2 + 174 n - 20) a(n + 2)$$
$$+ (-32 n^2 - 27 n + 5) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 9\}$$

Sequence: A187608
Score: 11.4060
Type of gen. func.: lgdogf

$$\frac{29 x^4 - 116 x^3 + 169 x^2 + 104 x + 144}{(x - 1) (29 x^4 - 59 x^3 + 8 x^2 - 60 x - 28)}$$

Sequence: A187608
Score: 9.01271
Type of gen. func.: ogf

$$\frac{x^3 (29 x^4 - 59 x^3 + 8 x^2 - 60 x - 28)}{(x - 1)^3}$$

Sequence: A187609
Score: 6.73387
Type of gen. func.: ogf

$$\frac{x^3 (97 x^6 - 159 x^5 + 80 x^4 - 156 x^3 - 134 x^2 - 106 x - 8)}{(x - 1)^3}$$

Sequence: A187610
Score: 5.97253
Type of gen. func.: ogf

$$\frac{x^4 (277 x^7 - 403 x^6 + 312 x^5 - 243 x^4 - 546 x^3 - 238 x^2 - 423 x - 96)}{(x - 1)^3}$$

Sequence: A187611
Score: 5.28954
Type of gen. func.: ogf

$$x^4 (729 x^9 - 983 x^8 + 960 x^7 - 1907 x^5 - 213 x^4 - 1522 x^3 - 1232 x^2 - 472 x - 48) / (x - 1)^3$$

/

Sequence: A187612
Score: 4.31441
Type of gen. func.: ogf

$$x^5 \left(1809 x^{10} - 2319 x^9 + 2608 x^8 + 1689 x^7 - 6086 x^6 + 1503 x^5 - 4759 x^4 - 4897 x^3 - 3028 x^2 - 2358 x - 474\right) \Big/ (x - 1)^3$$

Sequence: A187620
Score: 4.00672
Type of gen. func.: ogf

$$\frac{x^7 - 8 x^6 - 36 x^5 - 337 x^4 - 267 x^3 - 78 x^2 + 6 x - 1}{(x + 1) (x - 1)^7}$$

Sequence: A187638
Score: 3.81440
Type of gen. func.: ogf

$$\{(256 n^3 - 256 n) a(n) + (-32 n^3 - 96 n^2 - 80 n - 8) a(n + 1) + (n^3 + 6 n^2 + 12 n + 8) a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A187673
Score: 16.4068
Type of gen. func.: lgdogf

$$- \frac{9 x^2 + 26 x + 10}{(x - 1) (3 x^2 + 5 x + 1)}$$

Sequence: A187673
Score: 7.65040
Type of gen. func.: ogf

$$-\frac{3 x^2 + 5 x + 1}{(x - 1)^5}$$

Sequence: A187693
Score: 12.6785
Type of gen. func.: ogf

$$-\frac{x^2 (3 x^2 - 4 x - 1)}{(3 x - 1) (2 x - 1) (x - 1)^2}$$

Sequence: A187693
Score: 14.4155
Type of gen. func.: lgdogf

$$-\frac{36 x^4 - 87 x^3 + 25 x^2 + 29 x - 11}{(x - 1) (3 x - 1) (2 x - 1) (3 x^2 - 4 x - 1)}$$

Sequence: A187693
Score: 5.24398
Type of gen. func.: ogf

$$\{(-6 n - 18) a(n) + (11 n + 27) a(n + 1) + (-6 n - 13) a(n + 2)$$
$$+ (n + 2) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 11\}$$

Sequence: A187693
Score: 6.67732
Type of gen. func.: ogf

$$-(7222 f(x) + 19547)$$
$$(6 f(x) x^4 - 17 f(x) x^3 + 3 x^4 + 17 f(x) x^2 - 4 x^3 - 7 f(x) x - x^2 + f(x))$$

Sequence: A187695
Score: 8.14766
Type of gen. func.: ogf

$$-\frac{x^4 (x + 1) (19 x^2 - 12 x - 1)}{(4 x - 1) (3 x - 1) (2 x - 1)^2 (x - 1)^2}$$

Sequence: A187709
Score: 10.5020
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 9 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A187709
Score: 18.9493
Type of gen. func.: ogf

$$-\frac{2 x - 1}{(9 x - 1) (x - 1)}$$

Sequence: A187709
Score: 22.0288
Type of gen. func.: lgdogf

$$-\frac{2 (9 x^2 - 9 x + 4)}{(x - 1) (2 x - 1) (9 x - 1)}$$

Sequence: A187709
Score: 9.57876
Type of gen. func.: ogf

$$-(31 f(x) + 1) (9 f(x) x^2 - 10 f(x) x + f(x) + 2 x - 1)$$

Sequence: A187710
Score: 13.0197
Type of gen. func.: ogf

$$-\frac{2 (5 x^2 - 9 x + 5)}{3}$$

$$(x - 1)$$

Sequence: A187710
Score: 24.0474
Type of gen. func.: lgdogf

$$-\frac{5 x^2 - 8 x + 6}{(x - 1) (5 x^2 - 9 x + 5)}$$

Sequence: A187710
Score: 7.24574
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 10, a(1) = 12, a(2) = 16\}$$

Sequence: A187710
Score: 9.05718
Type of gen. func.: ogf

$$-f(x) x^3 + 3 f(x) x^2 - 3 f(x) x - 10 x^2 + f(x) + 18 x - 10$$

Sequence: A187715
Score: 10.3562
Type of gen. func.: ogf

$$\frac{5 x^2 + 4 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A187715
Score: 12.8419
Type of gen. func.: lgdogf

$$-\frac{5 x^3 + 13 x^2 + 17 x + 5}{(x - 1) (x + 1) (5 x^2 + 4 x + 1)}$$

Sequence: A187715
Score: 5.49327
Type of gen. func.: ogf

$$(110 f(x) - 501) (f(x) x^3 - f(x) x^2 - f(x) x - 5 x^2 + f(x) - 4 x - 1)$$

Sequence: A187715
Score: 5.59050
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 5, a(2) = 11\}$$

Sequence: A187721
Score: 3.76715
Type of gen. func.: ogf

$$(2 x^{10} + 2 x^9 - 13 x^8 - 16 x^7 + 11 x^6 + 47 x^5 + 35 x^4 - 16 x^3 - 50 x^2 - 43 x - 16) / (x^{10} + 3 x^9 - 7 x^7 - 10 x^6 - 2 x^5 + 8 x^4 + 10 x^3 + 5 x^2 - 1)$$

Sequence: A187732
Score: 14.7816
Type of gen. func.: ogf

$$\frac{x}{x^4 - 13 x^3 + 36 x^2 - 13 x + 1}$$

Sequence: A187732
Score: 16.0463
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 39 x^2 + 72 x - 13}{x^4 - 13 x^3 + 36 x^2 - 13 x + 1}$$

Sequence: A187732
Score: 6.31886
Type of gen. func.: ogf

$$-(111098 f(x) + 435) (f(x) x^4 - 13 f(x) x^3 + 36 f(x) x^2 - 13 f(x) x + f(x) - x)$$

Sequence: A187734
Score: 17.0816
Type of gen. func.: ogf

$$\frac{2 x}{4 x^3 - 6 x^2 - x + 1}$$

Sequence: A187734
Score: 6.92496
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 6 a(n + 1) - 4 a(n), a(0) = 0, a(1) = 2, a(2) = 2\}$$

Sequence: A187734
Score: 7.46282
Type of gen. func.: ogf

$$-(f(x) + 2) (4 f(x) x^3 - 6 f(x) x^2 - f(x) x + f(x) - 2 x)$$

Sequence: A187735
Score: 14.3950
Type of gen. func.: egf]

$$-\frac{x - 1}{(2 x - 1)^2}$$

Sequence: A187735
Score: 3.83300
Type of gen. func.: ogf

$$\{(-2 n^2 - 8 n - 8) a(n + 1) + (-2 n^2 - 13 n - 21) a(n + 2) + (n + 3) a(n + 3),$$

a(0) = 1, a(1) = 3, a(2) = 16}

Sequence: A187735
Score: 7.6209
Type of gen. func.: egf]

$$(4 f(x) + 5) (4 f(x) x^2 - 4 f(x) x + f(x) + x - 1)$$

Sequence: A187738
Score: 13.1697
Type of gen. func.: egf]

$$\frac{3 x^2 - 4 x + 2}{2 (3 x - 1)^2}$$

Sequence: A187738
Score: 3.79231
Type of gen. func.: ogf

$$\{(-3 n^2 - 3 n) a(n) + (n + 3) a(n + 1) + (3 n^2 + 21 n + 34) a(n + 2)$$

$$+ (-n - 3) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 33\}$$

Sequence: A187738
Score: 7.62455
Type of gen. func.: egf]

$$(7 + 9 f(x)) (18 f(x) x^2 - 12 f(x) x - 3 x^2 + 2 f(x) + 4 x - 2)$$

Sequence: A187739
Score: 13.2232
Type of gen. func.: egf]

$$- \frac{3 x^2 + 2 x - 2}{2 (3 x - 1)^2}$$

Sequence: A187739
Score: 3.61829
Type of gen. func.: ogf

$$\{(6 n^2 + 6 n) a(n) + (9 n^2 + 34 n + 33) a(n + 1) + (3 n^2 + 18 n + 29) a(n + 2) + (-n - 3) a(n + 3), a(0) = 1, a(1) = 5, a(2) = 39\}$$

Sequence: A187739
Score: 9.96269
Type of gen. func.: egf]

$$-18 f(x) x^2 + 12 f(x) x - 3 x^2 - 2 f(x) - 2 x + 2$$

Sequence: A187740
Score: 13.0583
Type of gen. func.: egf]

$$\frac{15 x^2 - 8 x + 2}{2 (5 x - 1)^2}$$

Sequence: A187740
Score: 3.58463
Type of gen. func.: ogf

$$\{(15 n^2 + 15 n) a(n) + (10 n^2 + 37 n + 25) a(n + 1) + (-5 n^2 - 37 n - 60) a(n + 2) + (n + 3) a(n + 3), a(0) = 1, a(1) = 6, a(2) = 85\}$$

Sequence: A187740
Score: 7.16926
Type of gen. func.: egf]

$$(5075 f(x) + 5293) (50 f(x) x^2 - 20 f(x) x - 15 x^2 + 2 f(x) + 8 x - 2)$$

Sequence: A187753
Score: 4.94894
Type of gen. func.: ogf

$$(x^9 - x^8 + x^7 - 4 x^6 + x^5 - 3 x^4 - x^3 - 2 x^2 - 1) / ((x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x^2 + x + 1)^2 (x + 1)^2 (x - 1)^5)$$

Sequence: A187756
Score: 4.49458
Type of gen. func.: ogf

$$\{(-2 n^2 - 9 n - 10) a(n + 1) + (4 n^2 + 16 n + 32) a(n + 2) + (-2 n^2 - 7 n - 6) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 20\}$$

Sequence: A187756
Score: 8.55420
Type of gen. func.: ogf

$$- \frac{x (x + 1) (x^2 + 14 x + 1)}{(x - 1)^5}$$

Sequence: A187830
Score: 4.71997
Type of gen. func.: ogf

$$\{(-n - 7) a(n + 1) + (n + 7) a(n + 2) - a(n + 4) + 2 a(n + 3), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 2\}$$

Sequence: A187851
Score: 11.5549
Type of gen. func.: lgdogf

$$\frac{3 x^4 - 12 x^3 + 39 x^2 + 112 x + 38}{(x - 1) (3 x^4 - 4 x^3 - 27 x^2 - 29 x - 3)}$$

Sequence: A187851
Score: 8.52476
Type of gen. func.: ogf

$$\frac{8 x (3 x^4 - 4 x^3 - 27 x^2 - 29 x - 3)}{(x - 1)^3}$$

Sequence: A187852
Score: 6.28614
Type of gen. func.: ogf

$$\frac{4 x (24 x^6 + 66 x^5 - 64 x^4 - 567 x^3 - 873 x^2 - 332 x - 6)}{(x - 1)^3}$$

Sequence: A187853
Score: 5.05362
Type of gen. func.: ogf

$$8 x^2 (37 x^7 + 217 x^6 + 419 x^5 - 237 x^4 - 2616 x^3 - 5462 x^2 - 4224 x - 666) / (x - 1)^3$$

Sequence: A187854
Score: 3.88217
Type of gen. func.: ogf

$$4 x^2 (200 x^9 + 1750 x^8 + 6286 x^7 + 10396 x^6 - 708 x^5 - 46297 x^4 - 117405 x^3 - 142484 x^2 - 61170 x - 4008) / (x - 1)^3$$

Sequence: A187858
Score: 11.6634
Type of gen. func.: lgdogf

$$\frac{23 x^4 - 92 x^3 + 188 x^2 + 184 x + 81}{(x - 1) (23 x^4 - 57 x^3 - 17 x^2 - 75 x - 2)}$$

Sequence: A187858
Score: 9.46089
Type of gen. func.: ogf

$$\frac{x (23 x^4 - 57 x^3 - 17 x^2 - 75 x - 2)}{(x - 1)^3}$$

Sequence: A187859
Score: 6.98555
Type of gen. func.: ogf

$$\frac{x^2 (141 x^5 - 247 x^4 + 146 x^3 - 498 x^2 - 320 x - 216)}{(x - 1)^3}$$

Sequence: A187859
Score: 7.72798
Type of gen. func.: lgdogf

$$\frac{2 (141 x^5 - 476 x^4 + 494 x^3 + 30 x^2 + 818 x + 484)}{(x - 1) (141 x^5 - 247 x^4 + 146 x^3 - 498 x^2 - 320 x - 216)}$$

Sequence: A187860
Score: 5.61684
Type of gen. func.: ogf

$$x^2 (655 x^7 - 977 x^6 + 1488 x^5 - 2508 x^4 - 352 x^3 - 3484 x^2 - 1862 x - 486) \Bigg/ (x - 1)^3$$

Sequence: A187861
Score: 4.52481
Type of gen. func.: ogf

$$x^2 \left(2685 x^9 - 3655 x^8 + 8800 x^7 - 10073 x^6 + 3232 x^5 - 17172 x^4 - 11461 x^3 - 20704 x^2 - 7394 x - 846\right) \Big/ (x - 1)^3$$

Sequence: A187890
Score: 15.3670
Type of gen. func.: ogf

$$- \frac{x (5 x - 4)}{(x - 1) (x^2 + x - 1)}$$

Sequence: A187890
Score: 17.2574
Type of gen. func.: lgdogf

$$- \frac{10 x^3 - 12 x^2 + 3}{(5 x - 4) (x - 1) (x^2 + x - 1)}$$

Sequence: A187890
Score: 8.09657
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n), a(0) = 0, a(1) = 4, a(2) = 3\}$$

Sequence: A187890
Score: 8.36645
Type of gen. func.: ogf

$$(3 f(x) + 16) (f(x) x^3 - 2 f(x) x + 5 x^2 + f(x) - 4 x)$$

Sequence: A187891
Score: 15.8124

Type of gen. func.: ogf

$$-\frac{x(6x-5)}{(x-1)(x^2+x-1)}$$

Sequence: A187891
Score: 17.7650
Type of gen. func.: lgdogf

$$-\frac{12x^3-15x^2+4}{(x-1)(6x-5)(x^2+x-1)}$$

Sequence: A187891
Score: 8.24262
Type of gen. func.: ogf

$$-(4f(x)+25)(f(x)x^3-2f(x)x+6x^2+f(x)-5x)$$

Sequence: A187891
Score: 8.33126
Type of gen. func.: ogf

$$\{a(n+3)-2a(n+2)+a(n),\ a(0)=0,\ a(1)=5,\ a(2)=4\}$$

Sequence: A187892
Score: 16.1836
Type of gen. func.: ogf

$$-\frac{x(7x-6)}{(x-1)(x^2+x-1)}$$

Sequence: A187892
Score: 18.1880
Type of gen. func.: lgdogf

$$14x^3-18x^2+5$$

$$- \frac{}{(7 x - 6) (x - 1) (x^2 + x - 1)}$$

Sequence: A187892
Score: 8.4361
Type of gen. func.: ogf

$$-(5 f(x) + 36) (f(x) x^3 - 2 f(x) x + 7 x^2 + f(x) - 6 x)$$

Sequence: A187892
Score: 8.52683
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n), a(0) = 0, a(1) = 6, a(2) = 5\}$$

Sequence: A187893
Score: 14.3271
Type of gen. func.: lgdogf

$$- \frac{4 x^4 - 4 x^3 + 5 x^2 - 8 x + 4}{(x - 1) (4 x^2 - 2 x - 1) (x^2 + x - 1)}$$

Sequence: A187893
Score: 15.4146
Type of gen. func.: ogf

$$- \frac{4 x^2 - 2 x - 1}{(x - 1) (x^2 + x - 1)}$$

Sequence: A187893
Score: 8.69121
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n), a(0) = 1, a(1) = 4, a(2) = 4\}$$

Sequence: A187893
Score: 8.78467
Type of gen. func.: ogf

$$(f(x) + 7) (f(x) x^3 - 2 f(x) x + 4 x^2 + f(x) - 2 x - 1)$$

Sequence: A187915
Score: 12.9628
Type of gen. func.: ogf

$$- \frac{x^3 + x^2 - x - 3}{(x^2 + 2 x - 1)^2}$$

Sequence: A187915
Score: 20.9419
Type of gen. func.: lgdogf

$$- \frac{(x + 1) (x^3 - x^2 + x - 13)}{(x^2 + 2 x - 1) (x^3 + x^2 - x - 3)}$$

Sequence: A187915
Score: 6.93147
Type of gen. func.: ogf

$$(82285 f(x) + 8207)$$

$$(f(x) x^4 + 4 f(x) x^3 + 2 f(x) x^2 + x^3 - 4 f(x) x + x^2 + f(x) - x - 3)$$

Sequence: A187917
Score: 12.9769
Type of gen. func.: ogf

$$\frac{x (2 x + 3)}{(x^2 + 2 x - 1)^2}$$

Sequence: A187917
Score: 23.1471
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^2 + 8\,x + 7)}{(2\,x + 3)\,(x^2 + 2\,x - 1)}$$

Sequence: A187917
Score: 4.23868
Type of gen. func.: ogf

$$\{(9 + 3\,n)\,a(n + 4) + (-22 - 4\,n)\,a(n + 3) + (-23 - 7\,n)\,a(n + 2)$$

$$+ (-6 - 2\,n)\,a(n + 1),\ a(0) = 0,\ a(1) = 3,\ a(2) = 14,\ a(3) = 50\}$$

Sequence: A187917
Score: 6.20218
Type of gen. func.: ogf

$$-(10850\,f(x) + 1621)$$

$$(f(x)\,x^4 + 4\,f(x)\,x^3 + 2\,f(x)\,x^2 - 4\,f(x)\,x - 2\,x^2 + f(x) - 3\,x)$$

Sequence: A187919
Score: 13.2567
Type of gen. func.: lgdogf

$$-\frac{4\,(27\,x^5 + 90\,x^4 + 123\,x^3 + 70\,x^2 - 8)}{(6\,x^2 + 8\,x + 3)\,(9\,x^2 + 6\,x - 1)\,(x^2 + 2\,x - 1)}$$

Sequence: A187919
Score: 14.5769
Type of gen. func.: ogf

$$\frac{6\,x^2 + 8\,x + 3}{(9\,x^2 + 6\,x - 1)\,(x^2 + 2\,x - 1)}$$

Sequence: A187919
Score: 7.13555
Type of gen. func.: ogf

$$(27924809 f(x) + 2795685) (9 f(x) x^4 + 24 f(x) x^3 + 2 f(x) x^2 - 8 f(x) x - 6 x^2 + f(x) - 8 x - 3)$$

Sequence: A187956
Score: 3.01883
Type of gen. func.: ogf

$$- \frac{32 (8748 x^7 + 5346 x^6 - 81 x^5 - 432 x^4 - 255 x^3 + 6 x^2 - 12 x - 8)}{(9 x^2 + 4 x - 1) (729 x^6 - 36 x^3 - 1)}$$

Sequence: A187990
Score: 5.33602
Type of gen. func.: ogf

$$(2658 f(x) + 4229401) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 30 x^3 - 4 f(x) x - 115 x^2 + f(x) + 151 x - 67)$$

Sequence: A187992
Score: 3.40762
Type of gen. func.: ogf

$$- \frac{890 x^4 - 3963 x^3 + 6683 x^2 - 5061 x + 1452}{(x - 1)^5}$$

Sequence: A188021
Score: 14.1988
Type of gen. func.: ogf

$$\frac{x^2}{(x - 1) (x^3 + 3 x^2 - 1)}$$

Sequence: A188021
Score: 18.1798
Type of gen. func.: lgdogf

$$-\frac{4 x^{3} + 6 x^{2} - 6 x - 1}{(x - 1) (x^{3} + 3 x^{2} - 1)}$$

Sequence: A188021
Score: 6.21933
Type of gen. func.: ogf

$$(3 f(x) + 1) (f(x) x^{4} + 2 f(x) x^{3} - 3 f(x) x^{2} - f(x) x - x^{2} + f(x))$$

Sequence: A188022
Score: 14.6045
Type of gen. func.: ogf

$$-\frac{x (x + 1)}{x^{3} + 3 x^{2} - 1}$$

Sequence: A188022
Score: 19.0822
Type of gen. func.: lgdogf

$$-\frac{2 x^{3} + 6 x^{2} + 6 x + 1}{(x + 1) (x^{3} + 3 x^{2} - 1)}$$

Sequence: A188022
Score: 8.32301
Type of gen. func.: ogf

$$-(f(x) + 1) (f(x) x^{3} + 3 f(x) x^{2} + x^{2} - f(x) + x)$$

Sequence: A188022
Score: 8.32301
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 1\}$$

Sequence: A188048
Score: 14.4693
Type of gen. func.: ogf

$$\frac{(x - 1) (x + 1)}{x^3 + 3 x^2 - 1}$$

Sequence: A188048
Score: 18.4420
Type of gen. func.: lgdogf

$$- \frac{x (x^3 - 3 x - 4)}{(x - 1) (x + 1) (x^3 + 3 x^2 - 1)}$$

Sequence: A188048
Score: 7.98826
Type of gen. func.: ogf

$$-(105 f(x) - 41) (f(x) x^3 + 3 f(x) x^2 - x^2 - f(x) + 1)$$

Sequence: A188048
Score: 8.24595
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 1) - a(n), a(0) = 1, a(1) = 0, a(2) = 2\}$$

Sequence: A188050
Score: 10.7722
Type of gen. func.: ogf

$$\frac{20 x (x + 1)}{}$$

$$(x - 1)^4$$

Sequence: A188050
Score: 34.0881
Type of gen. func.: ogf_with_Euler_transform]

$$[5 - x]$$

Sequence: A188050
Score: 35.5535
Type of gen. func.: lgdogf

$$-\frac{5 + 3 x}{(x - 1) (x + 1)}$$

Sequence: A188050
Score: 5.30688
Type of gen. func.: ogf

$$\{(n + 2) a(n + 3) - 5 a(n + 2) + (-n - 3) a(n + 1), a(0) = 0, a(1) = 20,$$
$$a(2) = 100\}$$

Sequence: A188050
Score: 5.46769
Type of gen. func.: ogf

$$(536 f(x) + 8965)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 20 x^2 + f(x) - 20 x)$$

Sequence: A188067
Score: 14.3477
Type of gen. func.: lgdogf

$$-\frac{5 x^4 + 12 x^3 + 10 x^2 + 12 x + 1}{(x - 1) (x + 1) (x^3 + 2 x^2 + x + 1)}$$

Sequence: A188067
Score: 9.27735
Type of gen. func.: ogf

$$\frac{x^2 (x^3 + 2 x^2 + x + 1)}{(x - 1)^4 (x + 1)^4}$$

Sequence: A188123
Score: 8.71627
Type of gen. func.: lgdogf

$$- \frac{9 x^7 + 19 x^6 + 34 x^5 + 44 x^4 + 44 x^3 + 26 x^2 + 13 x + 3}{(x - 1) (x + 1) (x^2 + x + 1) (3 x^4 + x^3 + 2 x^2 + x + 1)}$$

Sequence: A188123
Score: 8.97467
Type of gen. func.: ogf

$$\frac{3 x^4 + x^3 + 2 x^2 + x + 1}{(x^2 + x + 1) (x + 1) (x - 1)^4}$$

Sequence: A188124
Score: 5.78457
Type of gen. func.: ogf

$$- \frac{2 x (2 x^6 + x^5 + 4 x^4 + 5 x^3 + 5 x^2 + 4 x + 2)}{(x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^5}$$

Sequence: A188128
Score: 4.88448
Type of gen. func.: ogf

$(37 f(x) + 95)$

$$(f(x) x^4 + f(x) x^3 - 3 f(x) x^2 - x^3 - 2 f(x) x + 6 x^2 + f(x) + 6 x - 4)$$

Sequence: A188128
Score: 8.64623
Type of gen. func.: lgdogf

$$-\frac{x^6 - 12 x^5 - 21 x^4 + 8 x^3 + 15 x^2 - 12 x - 2}{(x + 1) (x^3 - 3 x + 1) (x^3 - 6 x^2 - 6 x + 4)}$$

Sequence: A188128
Score: 8.81744
Type of gen. func.: ogf

$$\frac{x^3 - 6 x^2 - 6 x + 4}{(x + 1) (x^3 - 3 x + 1)}$$

Sequence: A188129
Score: 13.2417
Type of gen. func.: lgdogf

$$-\frac{272 x^4 - 624 x^3 + 500 x^2 - 156 x + 17}{(x - 1) (2 x - 1) (4 x - 1) (34 x^2 - 39 x + 8)}$$

Sequence: A188129
Score: 15.5212
Type of gen. func.: ogf

$$-\frac{34 x^2 - 39 x + 8}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A188129
Score: 8.07603
Type of gen. func.: ogf

-(189 f(x) + 1868)

$$(8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x + 34 x^2 - f(x) - 39 x + 8)$$

Sequence: A188129
Score: 8.63786
Type of gen. func.: ogf

{-a(n + 3) + 7 a(n + 2) - 14 a(n + 1) + 8 a(n), a(0) = 8, a(1) = 17, a(2) = 41}

Sequence: A188134
Score: 8.59155
Type of gen. func.: ogf

$$\frac{x (4 x^6 + 2 x^5 + 12 x^4 + x^3 + 12 x^2 + 2 x + 4)}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A188135
Score: 11.9321
Type of gen. func.: ogf

$$-\frac{(x + 1) (7 x + 1)}{(x - 1)^3}$$

Sequence: A188135
Score: 19.8057
Type of gen. func.: lgdogf

$$-\frac{7 x^2 + 30 x + 11}{(x - 1) (7 x + 1) (x + 1)}$$

Sequence: A188135
Score: 6.11647
Type of gen. func.: ogf

$$(13408 f(x) - 73533) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 7 x^2 - f(x) + 8 x + 1)$$

Sequence: A188135
Score: 6.38474
Type of gen. func.: ogf

$$\{a(n+3) - 3 a(n+2) + 3 a(n+1) - a(n), a(0) = 1, a(1) = 11, a(2) = 37\}$$

Sequence: A188146
Score: 13.5964
Type of gen. func.: lgdogf

$$-\frac{2 x^6 + 9 x^5 + 4 x^4 + 19 x^3 + 15 x^2 + 2 x + 3}{(x - 1) (x^2 + x + 1) (x^4 + 3 x^3 + x^2 + 3 x + 1)}$$

Sequence: A188146
Score: 14.7699
Type of gen. func.: ogf

$$\frac{x^4 + 3 x^3 + x^2 + 3 x + 1}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A188148
Score: 12.3094
Type of gen. func.: ogf

$$\frac{4 x (x^2 - 5 x - 2)}{(x - 1)^3}$$

Sequence: A188148
Score: 25.0355
Type of gen. func.: lgdogf

$$-\frac{x^2 - 8 x - 11}{(x - 1) (x^2 - 5 x - 2)}$$

Sequence: A188148
Score: 6.06283
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 0, a(1) = 8, a(2) = 44, a(3) = 104\}$$

Sequence: A188148
Score: 6.55177
Type of gen. func.: ogf

$$-(73 f(x) - 1035) (f(x) x^3 - 3 f(x) x^2 - 4 x^3 + 3 f(x) x + 20 x^2 - f(x) + 8 x)$$

Sequence: A188149
Score: 10.4764
Type of gen. func.: ogf

$$\frac{8 x (x^3 - 2 x^2 - 7 x - 1)}{(x - 1)^3}$$

Sequence: A188149
Score: 19.8632
Type of gen. func.: lgdogf

$$-\frac{x^2 - 18 x - 10}{(x - 1) (x^3 - 2 x^2 - 7 x - 1)}$$

Sequence: A188149
Score: 5.30899
Type of gen. func.: ogf

$$\{a(n + 5) - 3 a(n + 4) + 3 a(n + 3) - a(n + 2), a(0) = 0, a(1) = 8, a(2) = 80, a(3) = 232, a(4) = 456\}$$

Sequence: A188149

Score: 5.57256
Type of gen. func.: ogf

$$-(424035 f(x) + 65671496)$$

$$(f(x) x^3 - 8 x^4 - 3 f(x) x^2 + 16 x^3 + 3 f(x) x + 56 x^2 - f(x) + 8 x)$$

Sequence: A188150
Score: 17.5266
Type of gen. func.: lgdogf

$$-\frac{6 (2 x + 3) (x - 6)}{(x - 1) (3 x^3 + 3 x^2 - 30 x - 26)}$$

Sequence: A188150
Score: 4.20781
Type of gen. func.: ogf

$$\{(-13 n^2 - 14 n + 27) a(n + 1) + (-19 n^2 - 134 n - 108) a(n + 2)$$

$$+ (32 n^2 + 58 n + 26) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 104\}$$

Sequence: A188150
Score: 9.37884
Type of gen. func.: ogf

$$\frac{4 x^2 (3 x^3 + 3 x^2 - 30 x - 26)}{(x - 1)^3}$$

Sequence: A188151
Score: 11.5549
Type of gen. func.: lgdogf

$$\frac{2 x^4 - 8 x^3 - 9 x^2 + 128 x + 100}{(x - 1) (2 x^4 + 7 x^3 - 12 x^2 - 52 x - 16)}$$

Sequence: A188151
Score: 8.11548
Type of gen. func.: ogf

$$\frac{8 x^2 (2 x^4 + 7 x^3 - 12 x^2 - 52 x - 16)}{(x - 1)^3}$$

Sequence: A188152
Score: 7.29238
Type of gen. func.: ogf

$$\frac{4 x^2 (5 x^5 + 29 x^4 + 18 x^3 - 186 x^2 - 228 x - 28)}{(x - 1)^3}$$

Sequence: A188152
Score: 8.85788
Type of gen. func.: lgdogf

$$\frac{2 (5 x^5 + 2 x^4 - 58 x^3 + 66 x^2 + 414 x + 156)}{(x - 1) (5 x^5 + 29 x^4 + 18 x^3 - 186 x^2 - 228 x - 28)}$$

Sequence: A188153
Score: 6.33394
Type of gen. func.: ogf

$$\frac{8 x^2 (x + 2) (3 x^5 + 18 x^4 + 15 x^3 - 111 x^2 - 99 x - 7)}{(x - 1)^3}$$

Sequence: A188153
Score: 7.50315
Type of gen. func.: lgdogf

$$\frac{9 x^6 + 30 x^5 - 69 x^4 - 204 x^3 + 564 x^2 + 1052 x + 247}{(x + 2) (x - 1) (3 x^5 + 18 x^4 + 15 x^3 - 111 x^2 - 99 x - 7)}$$

Sequence: A188154
Score: 5.83233
Type of gen. func.: ogf

$$\frac{4 x^{2} (7 x^{7} + 71 x^{6} + 240 x^{5} + 72 x^{4} - 1028 x^{3} - 1680 x^{2} - 630 x - 10)}{(x - 1)^{3}}$$

Sequence: A188155
Score: 5.13956
Type of gen. func.: ogf

$$\frac{8 x^{3} (4 x^{7} + 49 x^{6} + 222 x^{5} + 314 x^{4} - 440 x^{3} - 1890 x^{2} - 1864 x - 462)}{(x - 1)^{3}}$$

Sequence: A188161
Score: 14.7158
Type of gen. func.: ogf

$$- \frac{14 x - 5}{(4 x - 1) (x - 1)}$$

Sequence: A188161
Score: 16.6053
Type of gen. func.: lgdogf

$$- \frac{56 x^{2} - 40 x + 11}{(14 x - 5) (x - 1) (4 x - 1)}$$

Sequence: A188161
Score: 7.35789
Type of gen. func.: ogf

$$-(15 f(x) + 46) (4 f(x) x^{2} - 5 f(x) x + f(x) + 14 x - 5)$$

Sequence: A188161
Score: 8.15572
Type of gen. func.: ogf

$$\{a(n+2) - 5\,a(n+1) + 4\,a(n),\ a(0) = 5,\ a(1) = 11\}$$

Sequence: A188162
Score: 4.62262
Type of gen. func.: ogf

$$\frac{x\,(8x^5 - 24x^4 + 32x^3 - 19x^2 - x + 1)}{(x-1)\,(4x-1)\,(x+1)\,(2x-1)^3}$$

Sequence: A188165
Score: 16.1435
Type of gen. func.: ogf

$$-\frac{19x - 10}{(2x-1)\,(x-1)}$$

Sequence: A188165
Score: 17.7323
Type of gen. func.: lgdogf

$$-\frac{38x^2 - 40x + 11}{(19x - 10)\,(x-1)\,(2x-1)}$$

Sequence: A188165
Score: 8.52519
Type of gen. func.: ogf

$$(7\,f(x) - 191)\,(2\,f(x)\,x^2 - 3\,f(x)\,x + f(x) + 19x - 10)$$

Sequence: A188165
Score: 9.03265
Type of gen. func.: ogf

$$\{a(n+2) - 3\,a(n+1) + 2\,a(n),\ a(0) = 10,\ a(1) = 11\}$$

Sequence: A188167
Score: 11.7928
Type of gen. func.: ogf

$$\frac{x\,(2x^6 + x^5 + 6x^4 + 8x^3 + 6x^2 + x + 2)}{(x-1)^2\,(x+1)^2\,(x^2+1)^2}$$

Sequence: A188168
Score: 15.3987
Type of gen. func.: ogf

$$\frac{4x - 1}{5x^2 + 5x - 1}$$

Sequence: A188168
Score: 17.4462
Type of gen. func.: lgdogf

$$-\frac{20x^2 - 10x - 1}{(4x - 1)\,(5x^2 + 5x - 1)}$$

Sequence: A188168
Score: 7.78589
Type of gen. func.: ogf

$$(105 f(x) - 104)\,(5 f(x)\,x^2 + 5 f(x)\,x - f(x) - 4x + 1)$$

Sequence: A188168
Score: 8.45052
Type of gen. func.: ogf

$$\{-a(n+2) + 5\,a(n+1) + 5\,a(n),\ a(0) = 1,\ a(1) = 1\}$$

Sequence: A188182
Score: 7.42951
Type of gen. func.: ogf

$$-\frac{x^5-3x^4+3x^3-3x^2+3x-5}{(x^2+x+1)(x-1)^4}$$

Sequence: A188182
Score: 8.63782
Type of gen. func.: lgdogf

$$-\frac{x^7-3x^6+3x^5-7x^4+3x^3-21x^2-12x-12}{(x-1)(x^2+x+1)(x^5-3x^4+3x^3-3x^2+3x-5)}$$

Sequence: A188183
Score: 4.78987
Type of gen. func.: ogf

$$-\frac{3x^{10}-5x^9-2x^8+3x^7+2x^6+7x^5+2x^4+7x^3+9x^2+8x+12}{(x^2+1)(x^2+x+1)(x+1)^2(x-1)^5}$$

Sequence: A188187
Score: 5.99024
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{71}+x^{28}-x^{27}+x^{24}-x^{23}+x^{20}-x^{19}+x^{16}+x^{11}+x^7+x^3}{-x^{68}-x^{12}-x^8-x^4-1}$$

Sequence: A188212
Score: 6.99451
Type of gen. func.: ogf

$$8x^5-21x^4+16x^3-10x^2+21x-18$$

```
- -----------------------------------------
             2                  4
          (x  + x + 1) (x - 1)
```

Sequence: A188223
Score: 12.1789
Type of gen. func.: lgdogf

```
     7      6      5      4      3      2
  2 x  + 4 x  + 2 x  + 4 x  + 2 x  + 2 x  + 4 x + 1
- --------------------------------------------------
          3    2        5    4    2
        (x  + x  + 1) (x  + x  + x  + x - 1)
```

Sequence: A188223
Score: 12.5464
Type of gen. func.: ogf

```
       3    2
      x  + x  + 1
- ---------------------
   5    4    2
  x  + x  + x  + x - 1
```

Sequence: A188225
Score: 28.9699
Type of gen. func.: lgdogf

```
    -31 + 15 x
- ---------------
  (x - 1) (x - 2)
```

Sequence: A188225
Score: 4.38183
Type of gen. func.: ogf

```
{(2 n + 6) a(n + 3) + (-37 - 3 n) a(n + 2) + (16 + n) a(n + 1), a(0) = 2,

    a(1) = 31, a(2) = 256}
```

Sequence: A188237
Score: 7.05641
Type of gen. func.: ogf

```
   5       4       3      2
7 x  - 19 x  + 15 x  - 7 x  + 15 x - 15
```

$$-\frac{}{(x^2+x+1)\,(x-1)^4}$$

Sequence: A188238
Score: 4.52967
Type of gen. func.: ogf

$$-(22\,x^{10}-37\,x^9-13\,x^8+20\,x^7+7\,x^6+44\,x^5-31\,x^4-10\,x^3-17\,x^2+3\,x+58)\;/\;((x^2+1)\,(x^2+x+1)\,(x+1)^2\,(x-1)^5)$$

Sequence: A188270
Score: 5.09088
Type of gen. func.: ogf

$$-\frac{x^{12}-2\,x^{11}+2\,x^9-x^8-x^7+x^6-x^5+x^4-2\,x^3+3\,x^2-x-1}{(x+1)\,(x^6+x^3+1)\,(x^2+x+1)\,(x-1)^4}$$

Sequence: A188289
Score: 4.00708
Type of gen. func.: ogf

$$-4\,f(x)^2\,x^4-15\,f(x)^2\,x^3-16\,f(x)^2\,x^2-4\,f(x)\,x^3-3\,f(x)^2\,x-15\,f(x)\,x^2+2\,f(x)^2-8\,f(x)\,x-x^2+3\,f(x)-6\,x$$

Sequence: A188312
Score: 10.7008
Type of gen. func.: ogf

$$-f(x)^2\,x^2-f(x)^2\,x-f(x)\,x^2+f(x)-1$$

Sequence: A188312
Score: 20.2694
Type of gen. func.: revogf

$$\frac{-x^2 - 1 + (x^4 - 4x^3 + 6x^2 + 1)^{1/2}}{2x}$$

Sequence: A188314
Score: 13.0787
Type of gen. func.: ogf

$$f(x)^2 x + f(x) x^2 - f(x) + x + 1$$

Sequence: A188314
Score: 23.8464
Type of gen. func.: revogf

$$\frac{-1 + (-4x^3 + 4x + 1)^{1/2}}{2(x + 1)}$$

Sequence: A188334
Score: 7.67548
Type of gen. func.: ogf

$$-\frac{3x^6 - 5x^5 - 2x^4 + 3x^3 + 3x^2 - 10}{(x^2 + x + 1)(x + 1)(x - 1)^4}$$

Sequence: A188335
Score: 4.56803
Type of gen. func.: ogf

$$-2(7x^{10} - 12x^9 - 4x^8 + 7x^7 + 2x^6 + 14x^5 - 9x^4 - 2x^3 - 3x^2 + 3x + 20) \Big/ ((x^2 + 1)(x^2 + x + 1)(x + 1)^2 (x - 1)^5)$$

Sequence: A188365
Score: 15.1979
Type of gen. func.: lgdegf]

$$\frac{2 x^2 - 2 x + 1}{(x^2 - 3 x + 1)^2}$$

Sequence: A188377
Score: 10.4173
Type of gen. func.: ogf

$$-\frac{2 x^3 - 7 x^2 + 6 x - 7}{(x - 1)^4}$$

Sequence: A188377
Score: 16.4016
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - 4 x^2 + 2 x - 11)}{(x - 1) (2 x^3 - 7 x^2 + 6 x - 7)}$$

Sequence: A188377
Score: 4.11349
Type of gen. func.: ogf

$$\{(325 n^2 + 2081 n + 2862) a(n + 1) + (-344 n^2 - 936 n + 516) a(n + 2)$$
$$+ (19 n^2 - 227 n - 852) a(n + 3), a(0) = 7, a(1) = 22, a(2) = 53\}$$

Sequence: A188377
Score: 5.53194
Type of gen. func.: ogf

$$(12042 f(x) + 75037)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 2 x^3 - 4 f(x) x - 7 x^2 + f(x) + 6 x - 7)$$

Sequence: A188378
Score: 15.1450

Type of gen. func.: ogf

$$\frac{3 x - 2}{(x - 1) (x^2 - 3 x + 1)}$$

Sequence: A188378
Score: 16.1036
Type of gen. func.: lgdogf

$$- \frac{6 x^3 - 18 x^2 + 16 x - 5}{(3 x - 2) (x - 1) (x^2 - 3 x + 1)}$$

Sequence: A188378
Score: 7.10339
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 2, a(1) = 5, a(2) = 12\}$$

Sequence: A188378
Score: 7.79303
Type of gen. func.: ogf

$$(5 f(x) + 2) (f(x) x^3 - 4 f(x) x^2 + 4 f(x) x - f(x) - 3 x + 2)$$

Sequence: A188386
Score: 7.09709
Type of gen. func.: ogf

$$- \frac{x^5 - x^4 - 2 x^3 + 14 x^2 + 13 x + 11}{(x - 1)^3 (x + 1)^3}$$

Sequence: A188386
Score: 7.87872
Type of gen. func.: lgdogf

6 5 4 3 2

$$-\frac{x - 2 x - x + 52 x + 59 x + 94 x + 13}{(x - 1) (x + 1) (x^{5} - x^{4} - 2 x^{3} + 14 x^{2} + 13 x + 11)}$$

Sequence: A188430
Score: 5.24246
Type of gen. func.: ogf

$$- (x^{21} - 3 x^{17} + 2 x^{15} + x^{13} + 3 x^{11} - x^{10} - 8 x^{9} + x^{8} + 7 x^{7} - x^{6} - 5 x^{5} + 2 x^{4} + x^{3} - x^{2} + x - 1) / ((x + 1) (x - 1)^{2})$$

Sequence: A188441
Score: 3.06293
Type of gen. func.: ogf

$$\{(-27 n^{2} - 135 n - 168) a(n + 1) + (28 n^{2} + 141 n + 177) a(n + 2) + (-n^{2} - 6 n - 9) a(n + 3), a(0) = 1, a(1) = 7, a(2) = 97\}$$

Sequence: A188442
Score: 11.4105
Type of gen. func.: revogf

$$\frac{-1 - x - 2 x^{2} + ((5 x^{2} + 2 x + 1) (2 x + 1)^{2})^{1/2}}{2 (4 x^{2} + 2 x + 1)}$$

Sequence: A188442
Score: 6.13378
Type of gen. func.: ogf

$$-4 f(x)^{2} x^{2} - 2 f(x)^{2} x - 2 f(x) x^{2} + f(x)^{2} - f(x) x - x^{2} + f(x) - x$$

Sequence: A188444
Score: 5.70438
Type of gen. func.: ogf

$$\frac{(x+1)\,(x^2+x+1)\,(x^6-x^5+x^4-4x^3+x^2-x+1)}{(x^4+1)^3}$$

Sequence: A188464
Score: 7.99729
Type of gen. func.: ogf

$$f(x)^2 x^4 + f(x) x^3 - f(x) x^2 + 3 f(x) x - f(x) + 1$$

Sequence: A188475
Score: 10.2907
Type of gen. func.: ogf

$$-\frac{x^3-5x^2+x-1}{(x-1)^4}$$

Sequence: A188475
Score: 18.9618
Type of gen. func.: lgdogf

$$-\frac{x^3-7x^2-7x-3}{(x-1)\,(x^3-5x^2+x-1)}$$

Sequence: A188475
Score: 4.30645
Type of gen. func.: ogf

$$\{(23 n^2 + 130 n + 168) a(n+1) + (-28 n^2 - 89 n - 30) a(n+2)$$

$$+ (5 n^2 + 13 n - 6) a(n+3), a(0) = 1, a(1) = 3, a(2) = 11\}$$

Sequence: A188475
Score: 5.6599
Type of gen. func.: ogf

$$(64 f(x) + 167)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + x^3 - 4 f(x) x - 5 x^2 + f(x) + x - 1)$$

Sequence: A188477
Score: 4.29554
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^8 + 8 x^7 - 14 x^4 - 8 x^3 + 1)}{(x^4 + 1)^3}$$

Sequence: A188480
Score: 12.9818
Type of gen. func.: lgdogf

$$- \frac{3 x^4 - 21 x^2 + 18 x + 10}{(x - 1) (3 x^4 - 6 x^3 - x^2 + 5 x + 1)}$$

Sequence: A188480
Score: 7.39337
Type of gen. func.: ogf

$$- \frac{3 x^4 - 6 x^3 - x^2 + 5 x + 1}{(x - 1)^5}$$

Sequence: A188482
Score: 4.9606
Type of gen. func.: ogf

$$-4 f(x)^2 x^4 - 15 f(x)^2 x^3 - 8 f(x)^2 x^2 + 7 f(x)^2 x - 4 f(x) x^2 - f(x)^2$$

$$- 7 f(x) x + 2 f(x) - 1$$

Sequence: A188491

Score: 3.80305
Type of gen. func.: ogf

```
      3      2            3    2        /   13      12      11      10      9
- x (x  + 2 x  + x + 1) (x  + x  - 1)  /  (x   + 3 x   + 3 x   + 5 x   + 9 x
                                      /

          8      7       6       5       4      3      2
     + 7 x  - 3 x  - 19 x  - 21 x  - 13 x  - 3 x  - 3 x  - x + 1)
```

Sequence: A188492
Score: 4.40021
Type of gen. func.: ogf

```
   2        2   /   13      12      11      10      9      8      7       6
2 x  (x + 1)   /  (x   + 3 x   + 3 x   + 5 x   + 9 x  + 7 x  - 3 x  - 19 x
              /

           5       4      3      2
     - 21 x  - 13 x  - 3 x  - 3 x  - x + 1)
```

Sequence: A188494
Score: 4.06272
Type of gen. func.: ogf

```
    6    5    4    3    2            /   13      12      11      10      9
x (x  + x  - x  - x  - x  + x + 1)  /  (x   + 3 x   + 3 x   + 5 x   + 9 x
                                   /

          8      7       6       5       4      3      2
     + 7 x  - 3 x  - 19 x  - 21 x  - 13 x  - 3 x  - 3 x  - x + 1)
```

Sequence: A188495
Score: 4.40956
Type of gen. func.: ogf

```
              6    5    4    3    2            /            13      12      11
- x (x + 1) (x  + x  - x  - x  - x  - x + 1)  /  ((x - 1) (x   + 3 x   + 3 x
                                             /

          10      9      8      7       6       5       4      3      2
     + 5 x   + 9 x  + 7 x  - 3 x  - 19 x  - 21 x  - 13 x  - 3 x  - 3 x  - x + 1

    ))
```

Sequence: A188496
Score: 4.91444
Type of gen. func.: ogf

```
   2           /   13      12      11      10      9      8      7       6
```

$$2 x (x + 1) / (x + 3 x + 3 x + 5 x + 9 x + 7 x - 3 x - 19 x$$

$$- 21 x^{5} - 13 x^{4} - 3 x^{3} - 3 x^{2} - x + 1)$$

Sequence: A188497
Score: 4.16075
Type of gen. func.: ogf

$$- x^{2} (x^{9} + 2 x^{8} - 2 x^{4} - 2 x^{3} - 5 x^{2} + 2) / ((x - 1) (x^{13} + 3 x^{12} + 3 x^{11} + 5 x^{10} + 9 x^{9} + 7 x^{8} - 3 x^{7} - 19 x^{6} - 21 x^{5} - 13 x^{4} - 3 x^{3} - 3 x^{2} - x + 1))$$

Sequence: A188498
Score: 3.94975
Type of gen. func.: ogf

$$- x (x + 1) (x^{8} + x^{7} - 2 x^{4} - 2 x^{2} - x + 1) / ((x - 1) (x^{13} + 3 x^{12} + 3 x^{11} + 5 x^{10} + 9 x^{9} + 7 x^{8} - 3 x^{7} - 19 x^{6} - 21 x^{5} - 13 x^{4} - 3 x^{3} - 3 x^{2} - x + 1))$$

Sequence: A188501
Score: 6.05385
Type of gen. func.: ogf

$$- \frac{x^{5} + 2 x^{4} - x^{3} - 5 x^{2} - 4 x - 4}{(x^{3} - 2 x^{2} + x - 1) (x^{3} + 3 x^{2} + 2 x - 1)}$$

Sequence: A188510
Score: 15.1966
Type of gen. func.: ogf

$$-f(x) x^{4} + x^{3} - f(x) + x$$

```
------------------------------------------------------------------------------

Sequence:  A188510
Score: 16.5474
Type of gen. func.: ogf


                                       2
                                   x (x  + 1)
                                   ----------
                                      4
                                     x  + 1



------------------------------------------------------------------------------

Sequence:  A188510
Score: 20.0838
Type of gen. func.: ogf_with_Euler_transform]


                                   6      2
                               x (x  - 2 x  + 1)



------------------------------------------------------------------------------

Sequence:  A188510
Score: 31.2480
Type of gen. func.: lgdogf


                                     4      2
                               2 x (x  + 2 x  - 1)
                             - -------------------
                                  2        4
                                (x  + 1) (x  + 1)



------------------------------------------------------------------------------

Sequence:  A188510
Score: 8.65853
Type of gen. func.: ogf


           {a(n + 4) + a(n), a(0) = 0, a(1) = 1, a(2) = 0, a(3) = 1}



------------------------------------------------------------------------------

Sequence:  A188511
Score: 11.2338
Type of gen. func.: ogf


                       2   8    7    6    4    3
                      x  (x  + x  + x  + x  + x  + x + 1)
         ---------------------------------------------------------------
                    4    3    2             4    3    2                 2
         (x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A188512
```

Score: 14.2194
Type of gen. func.: ogf

$$-\frac{x^6+x^5+2x^4+x^3+2x^2+x+2}{(x-1)(x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A188516
Score: 6.29899
Type of gen. func.: ogf

$$-\frac{x^5-2x^4-4x^3+7x^2-4}{(x-1)(x+1)(x^2-3x+1)(x^2+x-1)}$$

Sequence: A188526
Score: 13.3401
Type of gen. func.: ogf

$$-\frac{7(9x-4)}{(9x-1)(2x-1)}$$

Sequence: A188526
Score: 14.2642
Type of gen. func.: lgdogf

$$-\frac{162x^2-144x+35}{(9x-4)(2x-1)(9x-1)}$$

Sequence: A188526
Score: 6.28524
Type of gen. func.: ogf

$$-(303676 f(x) + 2001447) (18 f(x) x^2 - 11 f(x) x + f(x) + 63 x - 28)$$

Sequence: A188526
Score: 7.51340
Type of gen. func.: ogf

$$\{a(n+2) - 11\,a(n+1) + 18\,a(n),\ a(0) = 28,\ a(1) = 245\}$$

Sequence: A188527
Score: 15.9999
Type of gen. func.: ogf

$$-\frac{9x - 4}{(9x - 1)(2x - 1)}$$

Sequence: A188527
Score: 16.4404
Type of gen. func.: lgdogf

$$-\frac{162x^2 - 144x + 35}{(9x - 4)(2x - 1)(9x - 1)}$$

Sequence: A188527
Score: 7.91576
Type of gen. func.: ogf

$$-(241 f(x) + 261)(18 f(x) x^2 - 11 f(x) x + f(x) + 9x - 4)$$

Sequence: A188527
Score: 8.84701
Type of gen. func.: ogf

$$\{a(n+2) - 11\,a(n+1) + 18\,a(n),\ a(0) = 4,\ a(1) = 35\}$$

Sequence: A188530
Score: 3.86169
Type of gen. func.: ogf

$$-(593739 f(x) - 3904630)$$

$$(8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x - 12 x^2 - f(x) + 7x + 2)$$

Sequence: A188530
Score: 4.26116
Type of gen. func.: ogf

{-a(n + 3) + 7 a(n + 2) - 14 a(n + 1) + 8 a(n), a(0) = 2, a(1) = 21, a(2) = 107

}

Sequence: A188530
Score: 6.79313
Type of gen. func.: lgdogf

$$-\frac{96 x^4 - 112 x^3 - 34 x^2 + 80 x - 21}{(x - 1) (4 x - 1) (2 x - 1) (12 x^2 - 7 x - 2)}$$

Sequence: A188530
Score: 7.84595
Type of gen. func.: ogf

$$\frac{12 x^2 - 7 x - 2}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A188538
Score: 7.22734
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^6 - 9 x^5 + 8 x^4 - 5 x^3 + 6 x^2 - 4 x + 1)}{(x - 1) (x^2 + x - 1) (2 x^4 - 6 x^3 + 2 x^2 + 2 x - 1)}$$

Sequence: A188538
Score: 8.69727
Type of gen. func.: ogf

$$-\frac{2 x^4 - 6 x^3 + 2 x^2 + 2 x - 1}{(x - 1)^2 (x^2 + x - 1)^2}$$

Sequence: A188551
Score: 10.9064
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 1) (x^2 - x + 1) (x^3 - x - 1)}{(x^4 + x^3 + x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A188554
Score: 10.6406
Type of gen. func.: ogf

$$-\frac{2 x^3 - 8 x^2 + 9 x - 4}{(x - 1)^4}$$

Sequence: A188554
Score: 16.4085
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 10 x^2 + 11 x - 7}{(x - 1) (2 x^3 - 8 x^2 + 9 x - 4)}$$

Sequence: A188554
Score: 4.31226
Type of gen. func.: ogf

$\{(2 n + 4) a(n + 1) + (-3 n + 1) a(n + 2) + (n - 2) a(n + 3), a(0) = 4,$

$a(1) = 7, a(2) = 12, a(3) = 20, a(4) = 32, a(5) = 49\}$

Sequence: A188554
Score: 5.98051
Type of gen. func.: ogf

$(4 f(x) + 5)$

$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 2 x^3 - 4 f(x) x - 8 x^2 + f(x) + 9 x - 4)$

Sequence: A188555
Score: 11.8950
Type of gen. func.: lgdogf

$$-\frac{3x^4-12x^3+27x^2-22x+9}{(x-1)(3x^4-12x^3+21x^2-16x+5)}$$

Sequence: A188555
Score: 3.80459
Type of gen. func.: ogf

$\{(2n+4)a(n+1)+(-3n+3)a(n+2)+(n-3)a(n+3), a(0)=5,$

$a(1)=9, a(2)=16, a(3)=28, a(4)=48, a(5)=80, a(6)=129\}$

Sequence: A188555
Score: 7.91976
Type of gen. func.: ogf

$$-\frac{3x^4-12x^3+21x^2-16x+5}{(x-1)^5}$$

Sequence: A188556
Score: 6.61665
Type of gen. func.: ogf

$$-\frac{3x^5-18x^4+39x^3-44x^2+25x-6}{(x-1)^6}$$

Sequence: A188556
Score: 9.41226
Type of gen. func.: lgdogf

$$-\frac{3x^5-21x^4+45x^3-59x^2+37x-11}{(x-1)(3x^5-18x^4+39x^3-44x^2+25x-6)}$$

Sequence: A188557
Score: 5.61596
Type of gen. func.: ogf

$$-\frac{4 x^{6} - 24 x^{5} + 66 x^{4} - 96 x^{3} + 80 x^{2} - 36 x + 7}{(x - 1)^{7}}$$

Sequence: A188557
Score: 7.77058
Type of gen. func.: lgdogf

$$-\frac{4 x^{6} - 24 x^{5} + 78 x^{4} - 120 x^{3} + 112 x^{2} - 56 x + 13}{(x - 1) (4 x^{6} - 24 x^{5} + 66 x^{4} - 96 x^{3} + 80 x^{2} - 36 x + 7)}$$

Sequence: A188558
Score: 4.85442
Type of gen. func.: ogf

$$-\frac{4 x^{7} - 32 x^{6} + 102 x^{5} - 184 x^{4} + 200 x^{3} - 132 x^{2} + 49 x - 8}{(x - 1)^{8}}$$

Sequence: A188559
Score: 4.06938
Type of gen. func.: ogf

$$-\frac{5 x^{8} - 40 x^{7} + 150 x^{6} - 320 x^{5} + 430 x^{4} - 372 x^{3} + 203 x^{2} - 64 x + 9}{(x - 1)^{9}}$$

Sequence: A188570
Score: 5.26841
Type of gen. func.: ogf

4 3 2 3 2

$$(60 f(x) + 113) (8 f(x) x - 16 f(x) x + 4 f(x) x + 4 x + 4 f(x) x - 2 x$$

$$- f(x) - 3 x + 1)$$

Sequence: A188570
Score: 9.52368
Type of gen. func.: ogf

$$- \frac{(x - 1) (4 x^{2} + 2 x - 1)}{8 x^{4} - 16 x^{3} + 4 x^{2} + 4 x - 1}$$

Sequence: A188571
Score: 5.40603
Type of gen. func.: ogf

$$(48 f(x) - 1)$$

$$(8 f(x) x^{4} - 16 f(x) x^{3} + 4 f(x) x^{2} + 2 x^{3} + 4 f(x) x - 2 x^{2} - f(x) + x)$$

Sequence: A188571
Score: 9.86235
Type of gen. func.: ogf

$$- \frac{x (2 x^{2} - 2 x + 1)}{8 x^{4} - 16 x^{3} + 4 x^{2} + 4 x - 1}$$

Sequence: A188572
Score: 10.9591
Type of gen. func.: ogf

$$\frac{x (2 x - 1)}{8 x^{4} - 16 x^{3} + 4 x^{2} + 4 x - 1}$$

Sequence: A188572
Score: 5.69526
Type of gen. func.: ogf

$$(10 f(x) + 1) (8 f(x) x^{4} - 16 f(x) x^{3} + 4 f(x) x^{2} + 4 f(x) x - 2 x^{2} - f(x) + x)$$

Sequence: A188573
Score: 10.1001
Type of gen. func.: ogf

$$\frac{2 x^{2} (x - 1)}{8 x^{4} - 16 x^{3} + 4 x^{2} + 4 x - 1}$$

Sequence: A188573
Score: 5.43851
Type of gen. func.: ogf

$$(7 f(x) + 2)$$

$$(8 f(x) x^{4} - 16 f(x) x^{3} + 4 f(x) x^{2} - 2 x^{3} + 4 f(x) x + 2 x^{2} - f(x))$$

Sequence: A188578
Score: 15.2336
Type of gen. func.: ogf_with_Euler_transform]

$$x^{14} - x^{2} (x^{3} + x^{2} + 1)$$

Sequence: A188578
Score: 8.20698
Type of gen. func.: ogf

$$\frac{(x^{2} - x + 1) (x^{2} + x + 1) (x + 1) (x - 1)^{2}}{x^{8} - x^{7} + x^{5} - x^{4} + x^{3} - x + 1}$$

Sequence: A188580
Score: 12.1135
Type of gen. func.: ogf

$$- \frac{x^{4} + x^{3} + x^{2} + x + 1}{}$$

$$4 x^4 + 4 x^3 + 4 x^2 + 4 x - 1$$

Sequence: A188580
Score: 15.3988
Type of gen. func.: lgdogf

$$- \frac{5 (4 x^3 + 3 x^2 + 2 x + 1)}{(x^4 + x^3 + x^2 + x + 1) (4 x^4 + 4 x^3 + 4 x^2 + 4 x - 1)}$$

Sequence: A188580
Score: 7.10104
Type of gen. func.: ogf

$(f(x) - 1) ($

$$4 f(x) x^4 + 4 f(x) x^3 + x^4 + 4 f(x) x^2 + x^3 + 4 f(x) x + x^2 - f(x) + x + 1)$$

Sequence: A188588
Score: 11.0564
Type of gen. func.: egf]

$$\frac{2 x^3 - 3 x^2 + 2}{2 (x - 1)^2}$$

Sequence: A188588
Score: 15.8471
Type of gen. func.: lgdegf]

$$\frac{2 (x - 2) (x^2 - x + 1)}{(x - 1) (2 x^3 - 3 x^2 + 2)}$$

Sequence: A188588
Score: 3.11988
Type of gen. func.: ogf

$$\{(3 n^2 + 9 n) a(n + 1) - 3 n a(n + 2) + (-n^2 - 9 n - 20) a(n + 3) + (n + 4) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 12\}$$

Sequence: A188588
Score: 6.43078
Type of gen. func.: egf]

$$(f(x) + 11) (2 f(x) x^2 - 2 x^3 - 4 f(x) x + 3 x^2 + 2 f(x) - 2)$$

Sequence: A188589
Score: 10.0531
Type of gen. func.: ogf

$$\frac{3 x^3 - 6 x^2 + 3 x - 1}{(2 x - 1) (x - 1)^2}$$

Sequence: A188589
Score: 12.3624
Type of gen. func.: lgdogf

$$- \frac{3 x^3 - 9 x^2 + 3 x + 1}{(x - 1) (2 x - 1) (3 x^3 - 6 x^2 + 3 x - 1)}$$

Sequence: A188589
Score: 5.21553
Type of gen. func.: ogf

$$\{a(n + 4) - 4 a(n + 3) + 5 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 5, a(3) = 14\}$$

Sequence: A188589
Score: 5.46193
Type of gen. func.: ogf

$$-(126 f(x) - 401)$$

$$(2 f(x) x^3 - 5 f(x) x^2 - 3 x^3 + 4 f(x) x + 6 x^2 - f(x) - 3 x + 1)$$

Sequence: A188599
Score: 12.1244
Type of gen. func.: ogf

$$-25 f(x) x^2 + 6 f(x) x - f(x) + x$$

Sequence: A188599
Score: 21.3961
Type of gen. func.: ogf

$$\frac{x}{25 x^2 - 6 x + 1}$$

Sequence: A188599
Score: 24.8517
Type of gen. func.: lgdogf

$$-\frac{2 (-3 + 25 x)}{25 x^2 - 6 x + 1}$$

Sequence: A188599
Score: 8.87155
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 25 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A188622
Score: 11.8576
Type of gen. func.: lgdogf

$$-\frac{4 x^2 - 10 x + 3}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A188622
Score: 3.62907
Type of gen. func.: ogf

$$\{(-n - 4)\, a(n + 4) + (24 + 7 n)\, a(n + 3) + (-38 - 14 n)\, a(n + 2) + (12 + 8 n)\, a(n + 1),\ a(0) = 1,\ a(1) = 3,\ a(2) = 10,\ a(3) = 34\}$$

Sequence: A188622
Score: 7.71654
Type of gen. func.: ogf

$$16 f(x)^2 x^3 - 20 f(x)^2 x^2 + 8 f(x)^2 x - f(x)^2 + x^2 - 2 x + 1$$

Sequence: A188623
Score: 13.6247
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1)(x^2 - x - 1)}{(x^2 + x + 1)(x - 1)^3}$$

Sequence: A188623
Score: 17.8400
Type of gen. func.: lgdogf

$$-\frac{x^6 - 2 x^5 + x^4 + 2 x^3 - 9 x^2 - 2}{(x - 1)(x^2 + x + 1)(x^2 - x + 1)(x^2 - x - 1)}$$

Sequence: A188626
Score: 10.0485
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 11 x^3 - 21 x^2 + 13 x - 3}{(x - 1)(2 x - 1)(x^3 + 2 x^2 - 3 x + 1)}$$

Sequence: A188626
Score: 4.61801
Type of gen. func.: ogf

$$(4 f(x) - 49) \left(4 f(x) x^4 - 12 f(x) x^3 + 13 f(x) x^2 - x^3 - 6 f(x) x - 2 x^2 + f(x) + 3 x - 1 \right)$$

Sequence: A188626
Score: 8.18382
Type of gen. func.: ogf

$$\frac{x^3 + 2 x^2 - 3 x + 1}{(2 x - 1)^2 (x - 1)^2}$$

Sequence: A188643
Score: 10.8132
Type of gen. func.: ogf

$$- \frac{x^{23} - x^{22} + x^{12} - x^{11} + x^4 - x^3 + 2 x^2 + 7 x - 10}{(x - 1)^2}$$

Sequence: A188652
Score: 13.9227
Type of gen. func.: ogf

$$- \frac{x (x^3 + x^2 - 3 x - 1)}{(x - 1)^2 (x + 1)^3}$$

Sequence: A188652
Score: 28.1959
Type of gen. func.: lgdogf

$$- \frac{2 (x^4 + x^3 - 5 x^2 - 1)}{(x - 1) (x + 1) (x^3 + x^2 - 3 x - 1)}$$

Sequence: A188653
Score: 11.2754
Type of gen. func.: ogf

$$(26 f(x) + 99) (f(x) x^4 + 2 f(x) x^3 - x^3 - 2 f(x) x - x^2 - f(x) + 3 x + 1)$$

Sequence: A188653
Score: 19.7729
Type of gen. func.: ogf

$$\frac{x^3 + x^2 - 3 x - 1}{(x - 1) (x + 1)^3}$$

Sequence: A188653
Score: 32.0597
Type of gen. func.: lgdogf

$$- \frac{x^4 - 8 x^2 + 4 x - 1}{(x - 1) (x + 1) (x^3 + x^2 - 3 x - 1)}$$

Sequence: A188653
Score: 5.83047
Type of gen. func.: ogf

$$\{(-n^2 - 5 n - 6) a(n + 1) + (-4 n^2 - 30 n - 54) a(n + 2)$$
$$+ (n^2 + 11 n + 28) a(n + 3) + (4 n^2 + 24 n + 32) a(n + 4), a(0) = 1,$$
$$a(1) = 1, a(2) = -3, a(3) = 7\}$$

Sequence: A188662
Score: 3.72365
Type of gen. func.: ogf

$$\{(729 n^4 + 4374 n^3 + 9801 n^2 + 9720 n + 3600) a(n + 1)$$

$+ (-16 n^4 - 112 n^3 - 292 n^2 - 336 n - 144) a(n + 2), a(0) = 1, a(1) = 9\}$

Sequence: A188667
Score: 22.2126
Type of gen. func.: lgdogf

$$- \frac{3 x^2 - 6 x - 7}{(x - 1) (x^2 - 2 x - 1)}$$

Sequence: A188667
Score: 3.93744
Type of gen. func.: ogf

$\{(-117 n^2 - 789 n - 1110) a(n + 1) + (176 n^2 + 529 n - 609) a(n + 2)$

$+ (-59 n^2 + 28 n + 87) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 3\}$

Sequence: A188667
Score: 8.50849
Type of gen. func.: ogf

$$\frac{3 x^2 (x^2 - 2 x - 1)}{(x - 1)^5}$$

Sequence: A188670
Score: 7.46157
Type of gen. func.: ogf

$$- \frac{3 x^8 + 6 x^7 + 3 x^6 + 2 x^5 + 6 x^4 + 3 x^3 - 5 x^2 - 6 x - 3}{(x - 1) (x^2 + x + 1) (x^6 + x^3 - 1)}$$

Sequence: A188675
Score: 3.17476
Type of gen. func.: ogf

$$\{(27 n^2 + 135 n + 168) a(n + 1) + (-31 n^2 - 157 n - 198) a(n + 2) + (4 n^2 + 22 n + 30) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 19\}$$

Sequence: A188675
Score: 4.53192
Type of gen. func.: ogf

$$27 f(x)^3 x^4 - 85 f(x)^3 x^3 + 93 f(x)^3 x^2 - 39 f(x)^3 x + 4 f(x)^3 + 3 f(x) x - 3 f(x) - 1$$

Sequence: A188676
Score: 3.14220
Type of gen. func.: ogf

$$\{(27 n^2 + 135 n + 168) a(n + 1) + (23 n^2 + 113 n + 138) a(n + 2) + (-4 n^2 - 22 n - 30) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 13\}$$

Sequence: A188676
Score: 4.48544
Type of gen. func.: ogf

$$27 f(x)^3 x^4 + 77 f(x)^3 x^3 + 69 f(x)^3 x^2 + 15 f(x)^3 x - 4 f(x)^3 + 3 f(x) x + 3 f(x) + 1$$

Sequence: A188678
Score: 3.37277
Type of gen. func.: ogf

$$\{(27 n^2 + 135 n + 168) a(n + 1) + (23 n^2 + 109 n + 126) a(n + 2) + (-4 n^2 - 26 n - 42) a(n + 3), a(0) = 1, a(1) = 0, a(2) = 3\}$$

Sequence: A188678

Score: 5.5218
Type of gen. func.: ogf

$$f(x)^3 x^4 + 3 f(x)^3 x^3 + 3 f(x)^3 x^2 + f(x)^3 x - f(x) x - f(x) + 1$$

Sequence: A188681
Score: 3.43223
Type of gen. func.: ogf

$$\{(-729 n^4 - 4374 n^3 - 9801 n^2 - 9720 n - 3600) a(n + 1)$$

$$+ (16 n^4 + 128 n^3 + 380 n^2 + 496 n + 240) a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A188686
Score: 5.59975
Type of gen. func.: ogf

$$-31 f(x)^3 x^3 + 66 f(x)^3 x^2 - 39 f(x)^3 x + 4 f(x)^3 + 3 f(x) x - 3 f(x) - 1$$

Sequence: A188687
Score: 17.4462
Type of gen. func.: revogf

$$\frac{(1 + 2 x^2 + (1 - 4 x)^{1/2}) x}{2 (x^3 + x + 1)}$$

Sequence: A188687
Score: 7.29415
Type of gen. func.: ogf

$$-f(x)^3 x^3 + 2 f(x)^3 x^2 - f(x)^3 x - f(x) x + f(x) - 1$$

Sequence: A188696
Score: 13.1283
Type of gen. func.: lgdogf

5 4 3 2

$$-\frac{2\,(2x - 13x + 4x - 26x - 13)}{(x^2 + 1)\,(2x^4 - 26x^3 + x^2 - 26x + 1)}$$

Sequence: A188696
Score: 13.5031
Type of gen. func.: ogf

$$\frac{x^2 + 1}{2x^4 - 26x^3 + x^2 - 26x + 1}$$

Sequence: A188696
Score: 6.80234
Type of gen. func.: ogf

$$-(168 f(x) + 1)\,(2 f(x) x^4 - 26 f(x) x^3 + f(x) x^2 - 26 f(x) x - x^2 + f(x) - 1)$$

Sequence: A188697
Score: 12.3990
Type of gen. func.: lgdogf

$$-\frac{2\,(8x^5 - 52x^4 + 8x^3 - 52x^2 - 13)}{(2x^2 + 1)\,(4x^4 - 52x^3 + 2x^2 - 26x + 1)}$$

Sequence: A188697
Score: 13.5031
Type of gen. func.: ogf

$$\frac{2x^2 + 1}{4x^4 - 52x^3 + 2x^2 - 26x + 1}$$

Sequence: A188697
Score: 6.80234
Type of gen. func.: ogf

$$-(168 f(x) + 1)$$

$$(4 f(x) x^4 - 52 f(x) x^3 + 2 f(x) x^2 - 26 f(x) x - 2 x^2 + f(x) - 1)$$

Sequence: A188700
Score: 6.60454
Type of gen. func.: ogf

$$-\frac{x^4 + 2 x^3 - 5 x^2 - 13 x - 8}{(x + 1) (x^4 - 6 x^2 - 2 x + 1)}$$

Sequence: A188701
Score: 3.89445
Type of gen. func.: ogf

$$-\frac{x^7 - 4 x^6 - 9 x^5 + 20 x^4 + 43 x^3 - 12 x^2 - 39 x - 16}{(x + 1) (x^2 - 2 x - 1) (x^5 - 4 x^4 - 5 x^3 + 9 x^2 + 4 x - 1)}$$

Sequence: A188707
Score: 13.5319
Type of gen. func.: ogf

$$-\frac{4 x - 5}{3 x^2 - 5 x + 1}$$

Sequence: A188707
Score: 15.2967
Type of gen. func.: lgdogf

$$-\frac{3 (4 x^2 - 10 x + 7)}{(4 x - 5) (3 x^2 - 5 x + 1)}$$

Sequence: A188707
Score: 6.6916
Type of gen. func.: ogf

$$-(25 f(x) + 22) (3 f(x) x^2 - 5 f(x) x + f(x) + 4 x - 5)$$

Sequence: A188707
Score: 7.33657
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 3 a(n), a(0) = 5, a(1) = 21\}$$

Sequence: A188708
Score: 4.93559
Type of gen. func.: ogf

$$(210061 f(x) + 24538)$$

$$(4 f(x) x^3 - 12 f(x) x^2 + 8 f(x) x + 8 x^2 - f(x) - 15 x + 8)$$

Sequence: A188708
Score: 5.19088
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 12 a(n + 1) - 4 a(n), a(0) = 8, a(1) = 49, a(2) = 304\}$$

Sequence: A188708
Score: 8.43084
Type of gen. func.: lgdogf

$$-\frac{32 x^4 - 120 x^3 + 212 x^2 - 176 x + 49}{(8 x^2 - 15 x + 8) (4 x^3 - 12 x^2 + 8 x - 1)}$$

Sequence: A188708
Score: 9.55781
Type of gen. func.: ogf

$$-\frac{8 x^2 - 15 x + 8}{4 x^3 - 12 x^2 + 8 x - 1}$$

Sequence: A188709
Score: 3.19889
Type of gen. func.: ogf

$$(24489245864836 f(x) - 22050398116095) (5 f(x) x^4 - 29 f(x) x^3 - 4 x^4 + 36 f(x) x^2 + 33 x^3 - 13 f(x) x - 49 x^2 + f(x) + 49 x - 13)$$

Sequence: A188709
Score: 6.18916
Type of gen. func.: ogf

$$\frac{4 x^4 - 33 x^3 + 49 x^2 - 49 x + 13}{(x - 1) (5 x^3 - 24 x^2 + 12 x - 1)}$$

Sequence: A188710
Score: 4.29752
Type of gen. func.: ogf

$$\frac{189 x^5 - 553 x^4 + 400 x^3 - 388 x^2 + 153 x - 21}{36 x^5 - 157 x^4 + 217 x^3 - 112 x^2 + 21 x - 1}$$

Sequence: A188714
Score: 15.1329
Type of gen. func.: ogf

$$- \frac{(x^2 + 1) (x + 1)}{3 x^3 + 3 x^2 + 3 x - 1}$$

Sequence: A188714
Score: 20.6113
Type of gen. func.: lgdogf

$$4 (3 x^2 + 2 x + 1)$$

$$-\frac{}{(x+1)\,(x^2+1)\,(3x^3+3x^2+3x-1)}$$

Sequence: A188714
Score: 7.79231
Type of gen. func.: ogf

$$\{-a(n+4)+3a(n+3)+3a(n+2)+3a(n+1),\ a(0)=1,\ a(1)=4,\ a(2)=16,\ a(3)=64\}$$

Sequence: A188714
Score: 8.77452
Type of gen. func.: ogf

$$(f(x)-1)\,(3f(x)x^3+3f(x)x^2+x^3+3f(x)x+x^2-f(x)+x+1)$$

Sequence: A188716
Score: 12.7215
Type of gen. func.: ogf

$$-\frac{8x^3-11x^2+5x-1}{(2x-1)^2\,(x-1)^2}$$

Sequence: A188716
Score: 16.1836
Type of gen. func.: lgdogf

$$-\frac{16x^4-20x^3+6x^2-x+1}{(x-1)\,(2x-1)\,(8x^3-11x^2+5x-1)}$$

Sequence: A188716
Score: 6.83033
Type of gen. func.: ogf

$$-(122f(x)-2331)\,(4f(x)x^4-12f(x)x^3+13f(x)x^2+8x^3-6f(x)x$$

$$- 11 x^{2} + f(x) + 5 x - 1)$$

Sequence: A188748
Score: 5.13922
Type of gen. func.: ogf

$$- \frac{12 x^{5} + 36 x^{4} + 8 x^{3} - 12 x^{2} - 7 x - 7}{12 x^{6} + 30 x^{5} - 10 x^{4} - 11 x^{3} + 2 x^{2} - 6 x + 1}$$

Sequence: A188765
Score: 10.9644
Type of gen. func.: ogf

$$- \frac{x^{6} + 2 x^{5} + 3 x^{4} + 2 x^{3} + x^{2} + x + 1}{x^{7} + 2 x^{6} + 2 x^{5} + x^{4} + x^{2} + x - 1}$$

Sequence: A188778
Score: 13.8393
Type of gen. func.: lgdogf

$$- \frac{2 (10 x^{3} + 35 x^{2} + 46 x + 19)}{(x - 1) (x + 1) (5 x^{2} + 10 x + 7)}$$

Sequence: A188778
Score: 8.41518
Type of gen. func.: ogf

$$- \frac{4 x^{2} (5 x^{2} + 10 x + 7)}{(x + 1) (x - 1)^{5}}$$

Sequence: A188779
Score: 5.31595
Type of gen. func.: ogf

$$\frac{8 x^2 (14 x^4 + 43 x^3 + 63 x^2 + 29 x + 3)}{(x + 1)^2 (x - 1)^6}$$

Sequence: A188779
Score: 8.46251
Type of gen. func.: lgdogf

$$- \frac{56 x^5 + 271 x^4 + 606 x^3 + 584 x^2 + 266 x + 41}{(x - 1) (x + 1) (14 x^4 + 43 x^3 + 63 x^2 + 29 x + 3)}$$

Sequence: A188780
Score: 3.85930
Type of gen. func.: ogf

$$- \frac{8 x^2 (84 x^6 + 357 x^5 + 829 x^4 + 790 x^3 + 394 x^2 + 69 x + 1)}{(x + 1)^3 (x - 1)^7}$$

Sequence: A188785
Score: 22.1063
Type of gen. func.: lgdogf

$$- \frac{3 (x + 9) (x + 1)}{(x - 1) (x^2 + 7 x + 4)}$$

Sequence: A188785
Score: 3.51816
Type of gen. func.: ogf

$$\{(12 + 4 n) a(n + 4) + (-21 + 3 n) a(n + 3) + (-36 - 6 n) a(n + 2)$$
$$+ (-n - 3) a(n + 1), a(0) = 0, a(1) = 64, a(2) = 432, a(3) = 1536\}$$

Sequence: A188785
Score: 8.24947
Type of gen. func.: ogf

$$-\frac{16 x (x^2 + 7 x + 4)}{(x - 1)^5}$$

Sequence: A188786
Score: 11.1542
Type of gen. func.: lgdogf

$$-\frac{x^4 - 6 x^3 - 66 x^2 - 526 x - 243}{(x - 1) (x^4 - 5 x^3 - 17 x^2 - 123 x - 24)}$$

Sequence: A188786
Score: 6.82991
Type of gen. func.: ogf

$$\frac{8 x (x^4 - 5 x^3 - 17 x^2 - 123 x - 24)}{(x - 1)^5}$$

Sequence: A188787
Score: 5.64738
Type of gen. func.: ogf

$$\frac{16 x (4 x^5 - 19 x^4 + 35 x^3 - 194 x^2 - 378 x - 36)}{(x - 1)^5}$$

Sequence: A188787
Score: 8.67416
Type of gen. func.: lgdogf

$$-\frac{x^4 - 6 x^3 - 477 x^2 - 1900 x - 558}{(x - 1) (4 x^5 - 19 x^4 + 35 x^3 - 194 x^2 - 378 x - 36)}$$

Sequence: A188788
Score: 4.83718
Type of gen. func.: ogf

$$\frac{8 x (27 x^6 - 23 x^5 - 305 x^4 + 877 x^3 - 4506 x^2 - 3966 x - 192)}{(x - 1)^5}$$

Sequence: A188789
Score: 4.14850
Type of gen. func.: ogf

$$16 x (32 x^7 + 137 x^6 - 697 x^5 + 228 x^4 + 1656 x^3 - 19368 x^2 - 9600 x - 264) \Big/ (x - 1)^5$$

Sequence: A188790
Score: 3.71107
Type of gen. func.: ogf

$$8 x (125 x^8 + 1231 x^7 - 227 x^6 - 15865 x^5 + 30306 x^4 - 27786 x^3 - 280740 x^2 - 87276 x - 1248) \Big/ (x - 1)^5$$

Sequence: A188793
Score: 9.32121
Type of gen. func.: ogf

$$\frac{8 x^5 + 16 x^4 + 2 x^3 - 9 x^2 - 6 x - 1}{(x + 1) (3 x^2 - 1)}$$

Sequence: A188802
Score: 13.3667
Type of gen. func.: ogf

$$x^2 + 1$$

$$x^4 + 2 x^3 - 2 x + 1$$

Sequence: A188802
Score: 14.7063
Type of gen. func.: lgdogf

$$- \frac{2 (x^5 + x^4 + 2 x^3 + 4 x^2 - x - 1)}{(x^2 + 1) (x^4 + 2 x^3 - 2 x + 1)}$$

Sequence: A188802
Score: 6.74251
Type of gen. func.: ogf

$$-(15 f(x) + 22) (f(x) x^4 + 2 f(x) x^3 - 2 f(x) x - x^2 + f(x) - 1)$$

Sequence: A188805
Score: 17.6926
Type of gen. func.: egf]

$$- \frac{1}{x^2 + 3 x + 1}$$

Sequence: A188805
Score: 29.9153
Type of gen. func.: lgdegf]

$$- \frac{2 x + 3}{x^2 + 3 x + 1}$$

Sequence: A188805
Score: 4.08290
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) + (9 + 3 n) a(n + 2) + a(n + 3), a(0) = -1, a(1) = 3,$$

$$a(2) = -16\}$$

Sequence: A188805
Score: 7.20809
Type of gen. func.: egf]

$$(7 f(x) - 2) (f(x) x^2 + 3 f(x) x + f(x) + 1)$$

Sequence: A188819
Score: 11.8188
Type of gen. func.: ogf

$$-\frac{x^3 - 2 x^2 + 9 x + 8}{(x + 1) (x - 1)^3}$$

Sequence: A188819
Score: 14.0383
Type of gen. func.: lgdogf

$$-\frac{x^4 - 2 x^3 + 26 x^2 + 46 x + 25}{(x - 1) (x + 1) (x^3 - 2 x^2 + 9 x + 8)}$$

Sequence: A188819
Score: 6.32171
Type of gen. func.: ogf

$$-(584 f(x) - 11137)$$

$$(f(x) x^4 - 2 f(x) x^3 + x^3 + 2 f(x) x - 2 x^2 - f(x) + 9 x + 8)$$

Sequence: A188820
Score: 5.12134
Type of gen. func.: ogf

$$-(2060192 f(x) - 1328986871) ($$

$$f(x) x^4 - 2 f(x) x^3 - 16 x^4 + 41 x^3 + 2 f(x) x + 94 x^2 - f(x) + 105 x + 32)$$

Sequence: A188820
Score: 9.37884
Type of gen. func.: ogf

$$\frac{16 x^4 - 41 x^3 - 94 x^2 - 105 x - 32}{(x + 1) (x - 1)^3}$$

Sequence: A188820
Score: 9.92070
Type of gen. func.: lgdogf

$$\frac{9 x^4 + 206 x^3 + 626 x^2 + 526 x + 169}{(x - 1) (x + 1) (16 x^4 - 41 x^3 - 94 x^2 - 105 x - 32)}$$

Sequence: A188821
Score: 10.0477
Type of gen. func.: lgdogf

$$\frac{41 x^4 - 164 x^3 + 390 x^2 + 828 x + 441}{(x - 1) (41 x^4 - 75 x^3 - 165 x^2 - 249 x - 64)}$$

Sequence: A188821
Score: 5.15578
Type of gen. func.: ogf

$$(93301 f(x) + 72635254) (f(x) x^3 - 41 x^4 - 3 f(x) x^2 + 75 x^3 + 3 f(x) x + 165 x^2 - f(x) + 249 x + 64)$$

Sequence: A188821
Score: 8.89986
Type of gen. func.: ogf

$$\quad{}^4 \qquad {}^3 \qquad {}^2$$

$$\frac{41 x - 75 x - 165 x - 249 x - 64}{(x - 1)^{3}}$$

Sequence: A188822
Score: 6.80312
Type of gen. func.: ogf

$$\frac{4 (36 x^{6} - 8 x^{5} - 72 x^{4} - 329 x^{3} - 394 x^{2} - 225 x - 32)}{(x + 1) (x - 1)^{3}}$$

Sequence: A188823
Score: 6.42848
Type of gen. func.: ogf

$$\frac{337 x^{6} - 163 x^{5} - 108 x^{4} - 2388 x^{3} - 3357 x^{2} - 2257 x - 256}{(x - 1)^{3}}$$

Sequence: A188825
Score: 14.4492
Type of gen. func.: ogf

$$-3 f(x) x + f(x) + 8 x - 8$$

Sequence: A188825
Score: 17.5734
Type of gen. func.: ogf

$$\frac{8 (x - 1)}{3 x - 1}$$

Sequence: A188825
Score: 42.4892
Type of gen. func.: lgdogf

$$\frac{2}{(3 x - 1) (x - 1)}$$

Sequence: A188825
Score: 8.90704
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1), a(0) = 8, a(1) = 16\}$$

Sequence: A188826
Score: 5.17715
Type of gen. func.: ogf

$$\frac{7 x^6 - 39 x^5 - 5 x^4 + 128 x^3 - 74 x^2 - 23 x + 16}{(x^3 - 6 x^2 + 5 x - 1) (x^3 + x^2 - 2 x - 1)}$$

Sequence: A188827
Score: 4.32787
Type of gen. func.: ogf

$$-(287 f(x) - 4814) (4 f(x) x^4 - 8 f(x) x^3 - 80 x^4 + 176 x^3 + 4 f(x) x - 24 x^2 - f(x) - 92 x + 32)$$

Sequence: A188827
Score: 6.27098
Type of gen. func.: lgdogf

$$\frac{16 x^6 - 48 x^5 + 12 x^4 + 64 x^3 - 36 x^2 - 12 x + 9}{(2 x^2 - 1) (2 x^2 - 4 x + 1) (20 x^4 - 44 x^3 + 6 x^2 + 23 x - 8)}$$

Sequence: A188827
Score: 7.40429
Type of gen. func.: ogf

$$\frac{4 (20 x^4 - 44 x^3 + 6 x^2 + 23 x - 8)}{(2 x^2 - 1) (2 x^2 - 4 x + 1)}$$

Sequence: A188829
Score: 4.34789
Type of gen. func.: ogf

$$-(725 f(x) - 67824) (25 f(x) x^4 - 25 f(x) x^3 - 2720 x^4 + 2864 x^3 + 5 f(x) x - 96 x^2 - f(x) - 576 x + 128)$$

Sequence: A188829
Score: 6.80468
Type of gen. func.: lgdogf

$$\frac{225 x^6 - 300 x^5 + 130 x^3 - 33 x^2 - 12 x + 4}{(5 x^2 - 1) (5 x^2 - 5 x + 1) (170 x^4 - 179 x^3 + 6 x^2 + 36 x - 8)}$$

Sequence: A188829
Score: 7.24647
Type of gen. func.: ogf

$$\frac{16 (170 x^4 - 179 x^3 + 6 x^2 + 36 x - 8)}{(5 x^2 - 1) (5 x^2 - 5 x + 1)}$$

Sequence: A188838
Score: 11.8233
Type of gen. func.: lgdogf

$$- \frac{6 x^4 - 8 x^3 - 36 x^2 + 88 x - 55}{(x - 1) (x^5 + x^4 - 6 x^3 - 6 x^2 + 25 x - 16)}$$

Sequence: A188838
Score: 7.57136
Type of gen. func.: ogf

$$x^5 + x^4 - 6 x^3 - 6 x^2 + 25 x - 16$$

$$\overline{}\over (x-1)^5$$

Sequence: A188839
Score: 5.70448
Type of gen. func.: ogf

$$\frac{x^7 + 4x^6 - 12x^5 - 20x^4 + 64x^3 - 20x^2 - 48x + 32}{(x-1)^6}$$

Sequence: A188840
Score: 4.61390
Type of gen. func.: ogf

$$\frac{x^9 + 6x^8 - 6x^7 - 67x^6 + 88x^5 + 174x^4 - 406x^3 + 202x^2 + 71x - 64}{(x-1)^7}$$

Sequence: A188841
Score: 3.60660
Type of gen. func.: ogf

$$(x^{11} + 8x^{10} + 3x^9 - 96x^8 - 58x^7 + 700x^6 - 605x^5 - 992x^4 + 1981x^3 - 1032x^2 - 37x + 128) / (x-1)^8$$

Sequence: A188861
Score: 15.8001
Type of gen. func.: ogf

$$\frac{2x^2 + 9x + 16}{(x-1)^2}$$

Sequence: A188861
Score: 27.0155

Type of gen. func.: lgdogf

$$-\frac{41 + 13 x}{(x - 1) (2 x^2 + 9 x + 16)}$$

Sequence: A188861
Score: 8.12578
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 16, a(1) = 41, a(2) = 68\}$$

Sequence: A188861
Score: 8.79594
Type of gen. func.: ogf

$$(54 f(x) + 817) (f(x) x^2 - 2 f(x) x - 2 x^2 + f(x) - 9 x - 16)$$

Sequence: A188862
Score: 12.6690
Type of gen. func.: ogf

$$\frac{2 x^3 + 12 x^2 + 35 x + 32}{(x - 1)^2}$$

Sequence: A188862
Score: 15.5998
Type of gen. func.: lgdogf

$$\frac{2 x^3 - 6 x^2 - 59 x - 99}{(x - 1) (2 x^3 + 12 x^2 + 35 x + 32)}$$

Sequence: A188862
Score: 6.59203
Type of gen. func.: ogf

$-(42905133 f(x) - 216648292)$

$$(f(x)\,x^2 - 2\,x^3 - 2\,f(x)\,x - 12\,x^2 + f(x) - 35\,x - 32)$$

Sequence: A188862
Score: 6.75682
Type of gen. func.: ogf

$$\{a(n + 4) - 2\,a(n + 3) + a(n + 2),\ a(0) = 32,\ a(1) = 99,\ a(2) = 178,\ a(3) = 259\}$$

Sequence: A188863
Score: 10.8262
Type of gen. func.: ogf

$$\frac{2\,x^4 + 14\,x^3 + 52\,x^2 + 111\,x + 64}{(x - 1)^2}$$

Sequence: A188863
Score: 11.5602
Type of gen. func.: lgdogf

$$\frac{4\,x^4 + 6\,x^3 - 42\,x^2 - 215\,x - 239}{(x - 1)\,(2\,x^4 + 14\,x^3 + 52\,x^2 + 111\,x + 64)}$$

Sequence: A188863
Score: 5.97862
Type of gen. func.: ogf

$$(41843259612\,f(x) - 47823736567)$$

$$(-2\,x^4 + f(x)\,x^2 - 14\,x^3 - 2\,f(x)\,x - 52\,x^2 + f(x) - 111\,x - 64)$$

Sequence: A188864
Score: 8.98699
Type of gen. func.: lgdogf

5 4 3 2

$$\frac{6 x + 22 x + 4 x - 204 x - 709 x - 577}{(x - 1) (2 x^{5} + 16 x^{4} + 68 x^{3} + 194 x^{2} + 321 x + 128)}$$

Sequence: A188864
Score: 9.15816
Type of gen. func.: ogf

$$\frac{2 x^{5} + 16 x^{4} + 68 x^{3} + 194 x^{2} + 321 x + 128}{(x - 1)^{2}}$$

Sequence: A188865
Score: 8.28612
Type of gen. func.: ogf

$$\frac{2 x^{6} + 18 x^{5} + 86 x^{4} + 280 x^{3} + 664 x^{2} + 881 x + 256}{(x - 1)^{2}}$$

Sequence: A188868
Score: 4.28263
Type of gen. func.: ogf

$$(275837 f(x) + 67662)$$

$$(2 f(x) x^{4} - 5 f(x) x^{3} - 3 f(x) x^{2} + 2 x^{3} + 7 f(x) x - 6 x^{2} - f(x) + 7)$$

Sequence: A188868
Score: 6.93198
Type of gen. func.: lgdogf

$$- \frac{4 x^{6} - 24 x^{5} + 36 x^{4} + 28 x^{3} - 57 x^{2} - 54 x + 49}{(x - 1) (2 x^{3} - 6 x^{2} + 7) (2 x^{3} - 3 x^{2} - 6 x + 1)}$$

Sequence: A188868
Score: 8.33059
Type of gen. func.: ogf

$$-\frac{2 x^{3} - 6 x^{2} + 7}{(x - 1) (2 x^{3} - 3 x^{2} - 6 x + 1)}$$

Sequence: A188869
Score: 3.87809
Type of gen. func.: ogf

$$\frac{4 x^{7} - 17 x^{6} + 65 x^{5} - 91 x^{4} - 32 x^{3} + 88 x^{2} - 13}{4 x^{7} - 53 x^{6} + 109 x^{5} - 44 x^{4} - 8 x^{3} - 16 x^{2} + 13 x - 1}$$

Sequence: A188899
Score: 11.0466
Type of gen. func.: lgdogf

$$-\frac{x^{6} - 12 x^{5} + 59 x^{4} - 114 x^{3} + 114 x^{2} - 38 x + 5}{(x - 1) (x^{2} - 5 x + 1) (x^{4} - 11 x^{3} + 25 x^{2} - 11 x + 1)}$$

Sequence: A188899
Score: 12.3122
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^{2} - 5 x + 1)}{x^{4} - 11 x^{3} + 25 x^{2} - 11 x + 1}$$

Sequence: A188899
Score: 6.43775
Type of gen. func.: ogf

$$-(119645 f(x) + 16167) ($$

$$f(x) x^{4} - 11 f(x) x^{3} + 25 f(x) x^{2} + x^{3} - 11 f(x) x - 6 x^{2} + f(x) + 6 x - 1)$$

Sequence: A188918
Score: 3.06293
Type of gen. func.: ogf

$$\{(27 n^2 + 135 n + 168) a(n + 1) + (26 n^2 + 129 n + 159) a(n + 2) + (-n^2 - 6 n - 9) a(n + 3), a(0) = 1, a(1) = 5, a(2) = 85\}$$

Sequence: A188946
Score: 8.45797
Type of gen. func.: egf]

hypergeom([1/3, 2/3], [1, 1], 27 x) exp(x)

Sequence: A188947
Score: 10.4849
Type of gen. func.: ogf

$$-\frac{x^3 - 8 x^2 + 3 x - 2}{(x - 1)^4}$$

Sequence: A188947
Score: 18.0088
Type of gen. func.: lgdogf

$$-\frac{x^3 - 13 x^2 - 7 x - 5}{(x - 1) (x^3 - 8 x^2 + 3 x - 2)}$$

Sequence: A188947
Score: 4.27162
Type of gen. func.: ogf

$$\{(109 n^2 + 578 n + 720) a(n + 1) + (-128 n^2 - 333 n + 21) a(n + 2) + (19 n^2 + 25 n - 96) a(n + 3), a(0) = 2, a(1) = 5, a(2) = 16\}$$

Sequence: A188947
Score: 5.5297
Type of gen. func.: ogf

$$(78192 f(x) + 231725)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + x^3 - 4 f(x) x - 8 x^2 + f(x) + 3 x - 2)$$

Sequence: A188986
Score: 4.19824
Type of gen. func.: ogf

$$-(8 f(x) + 15)$$

$$(2 f(x) x^4 - 4 f(x) x^3 + f(x) x^2 + 2 x^3 + 6 f(x) x - 6 x^2 - f(x) + 7 x + 7)$$

Sequence: A188986
Score: 6.56368
Type of gen. func.: lgdogf

$$-\frac{4 x^6 - 24 x^5 + 64 x^4 - 24 x^3 - 35 x^2 + 2 x + 49}{(x + 1) (2 x^3 - 6 x^2 + 7 x - 1) (2 x^3 - 6 x^2 + 7 x + 7)}$$

Sequence: A188986
Score: 7.74221
Type of gen. func.: ogf

$$-\frac{2 x^3 - 6 x^2 + 7 x + 7}{(x + 1) (2 x^3 - 6 x^2 + 7 x - 1)}$$

Sequence: A188987
Score: 4.35779
Type of gen. func.: ogf

$$-\frac{4 (x^3 - 2 x^2 + x + 1) (4 x^3 - 10 x^2 + 6 x + 3)}{(x - 1) (16 x^6 - 32 x^5 + 4 x^4 + 28 x^3 - 8 x^2 - 8 x + 1)}$$

Sequence: A188988
Score: 3.36016
Type of gen. func.: ogf

$$-\frac{4\,(576\,x^7-1560\,x^6+480\,x^5+500\,x^4-38\,x^3-6\,x^2-35\,x-5)}{(2\,x+1)\,(2\,x-1)\,(60\,x^4-80\,x^3+13\,x-1)}$$

Sequence: A189003
Score: 6.34119
Type of gen. func.: ogf

$$-\frac{(x-1)\,(x+1)\,(x^4+x^3-6\,x^2+x+1)}{x^8-15\,x^6+32\,x^4-15\,x^2+1}$$

Sequence: A189023
Score: 6.97753
Type of gen. func.: ogf

$$\frac{6\,x^{49}-8\,x^{48}+4\,x^{33}+3\,x^{31}-6\,x^{16}+6\,x^{15}-3}{(x-1)\,(2\,x^{49}-4\,x^{33}-3\,x^{32}+3)}$$

Sequence: A189050
Score: 11.2002
Type of gen. func.: ogf

$$(88\,f(x)-81)\,(f(x)\,x^4+2\,f(x)\,x^2+x^3+x^2-f(x)+x+3)$$

Sequence: A189050
Score: 17.7480
Type of gen. func.: ogf

$$-\frac{x^3+x^2+x+3}{x^4+2\,x^2-1}$$

Sequence: A189050
Score: 17.7833
Type of gen. func.: lgdogf

$$-\frac{x^6 + 2x^5 + x^4 + 12x^3 + 5x^2 + 14x + 1}{(x^3 + x^2 + x + 3)(x^4 + 2x^2 - 1)}$$

Sequence: A189052
Score: 12.2656
Type of gen. func.: ogf

$$\frac{x^3 (x - 1)}{(x + 1)(2x - 1)^3}$$

Sequence: A189052
Score: 22.7784
Type of gen. func.: lgdogf

$$-\frac{2(3x^2 - 2x - 2)}{(x - 1)(2x - 1)(x + 1)}$$

Sequence: A189052
Score: 4.94927
Type of gen. func.: ogf

$$\{(-2n^2 - 6n)\,a(n) + (-n^2 - 5n - 2)\,a(n + 1) + (n^2 + n - 2)\,a(n + 2),$$

$$a(0) = 0,\ a(1) = 0,\ a(2) = 0,\ a(3) = 1\}$$

Sequence: A189052
Score: 6.99443
Type of gen. func.: ogf

$$f(x)\,(8 f(x) x^4 - 4 f(x) x^3 - x^4 - 6 f(x) x^2 + x^3 + 5 f(x) x - f(x))$$

Sequence: A189054
Score: 21.1773
Type of gen. func.: lgdegf]

$$-\frac{I}{((2 x - 1) (2 x + 1))^{3/2}}$$

Sequence: A189059
Score: 4.23083
Type of gen. func.: ogf

$$-\frac{4 (16 x^6 - 60 x^5 + 69 x^4 - 9 x^3 - 21 x^2 + 3)}{64 x^7 - 176 x^6 + 100 x^5 + 64 x^4 - 40 x^3 - 20 x^2 + 12 x - 1}$$

Sequence: A189071
Score: 26.0842
Type of gen. func.: egf]

$$(x + 2)^{10}$$

Sequence: A189071
Score: 6.10482
Type of gen. func.: ogf

$$\{(-n + 9) a(n + 1) - 2 a(n + 2), a(0) = 1024, a(1) = 5120\}$$

Sequence: A189077
Score: 3.28184
Type of gen. func.: ogf

$$(2 f(x) x - f(x) - x + 1)^3$$

Sequence: A189101
Score: 12.8809
Type of gen. func.: ogf

$$-\frac{1}{x^7+x^6+x^4+x^3+x^2+x-1}$$

Sequence: A189101
Score: 13.3019
Type of gen. func.: lgdogf

$$-\frac{7x^6+6x^5+4x^3+3x^2+2x+1}{x^7+x^6+x^4+x^3+x^2+x-1}$$

Sequence: A189105
Score: 4.23173
Type of gen. func.: ogf

$$-\frac{4(2x^8-6x^7+20x^5-21x^4-5x^3+12x^2-2x-2)}{(2x^3-6x^2+7x-1)(4x^6-14x^4+6x^2-1)}$$

Sequence: A189145
Score: 5.01083
Type of gen. func.: ogf

$$-\frac{x^7-3x^6+3x^5-6x^4+x^3+4x^2-2x+1}{(x-1)(x+1)(x^2-3x+1)(x^4+3x^2+1)}$$

Sequence: A189154
Score: 4.35908
Type of gen. func.: ogf

$$-\frac{x^9+x^7-8x^6-x^5-4x^4+15x^3-4x^2-4}{(x-1)(x^3+x^2+x-1)(x^3+x^2+3x-1)(x^3-x^2-x-1)}$$

Sequence: A189162
Score: 3.91138

Type of gen. func.: ogf

$$-16 f(x)^2 x^4 + 32 f(x)^2 x^3 - 24 f(x)^2 x^2 - 8 f(x) x^3 + 8 f(x)^2 x + 20 f(x) x^2$$
$$- f(x)^2 - 14 f(x) x - 2 x^2 + 3 f(x) + 3 x - 2$$

Sequence: A189173
Score: 10.1978
Type of gen. func.: ogf

$$f(x) (f(x) x^2 - 46 f(x) x - x^2 + f(x) - x)$$

Sequence: A189173
Score: 16.7244
Type of gen. func.: ogf

$$\frac{x (x + 1)}{x^2 - 46 x + 1}$$

Sequence: A189173
Score: 25.0724
Type of gen. func.: lgdogf

$$- \frac{x^2 + 2 x - 47}{(x + 1) (x^2 - 46 x + 1)}$$

Sequence: A189173
Score: 8.11865
Type of gen. func.: ogf

$$\{a(n + 3) - 46 a(n + 2) + a(n + 1), a(0) = 0, a(1) = 1, a(2) = 47\}$$

Sequence: A189176
Score: 4.98163
Type of gen. func.: ogf

2 2   2   2   2

$$4 f(x) x - f(x) x + 4 f(x) x - 5 f(x) x + x + f(x) + 4 x - 1$$

Sequence: A189177
Score: 2.93841
Type of gen. func.: ogf

$$-4 f(x)^2 x^4 + f(x)^2 x^3 + 4 f(x)^2 x^2 - 4 f(x) x^3 - 5 f(x)^2 x - 3 f(x) x^2 + f(x)^2 + 9 f(x) x - x^2 - 2 f(x) - 4 x + 1$$

Sequence: A189179
Score: 5.31764
Type of gen. func.: ogf

$$-(19 f(x) + 8) (16 f(x) x^3 - 4 f(x) x^2 - 5 f(x) x + 16 x^2 + f(x) - 4 x - 1)$$

Sequence: A189179
Score: 5.50422
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) - 4 a(n + 1) + 16 a(n), a(0) = 1, a(1) = 9, a(2) = 33\}$$

Sequence: A189179
Score: 9.18085
Type of gen. func.: lgdogf

$$- \frac{(16 x^2 - 12 x + 3) (16 x^2 + 4 x + 3)}{(16 x^2 - 4 x - 1) (16 x^3 - 4 x^2 - 5 x + 1)}$$

Sequence: A189179
Score: 9.96002
Type of gen. func.: ogf

$$- \frac{16 x^2 - 4 x - 1}{16 x^3 - 4 x^2 - 5 x + 1}$$

Sequence: A189197
Score: 4.01724
Type of gen. func.: ogf

$$-\frac{2 (x - 1) (x^2 - 2 x - 2) (8 x^3 - 12 x^2 + 3)}{16 x^7 - 56 x^6 + 16 x^5 + 82 x^4 - 52 x^3 - 14 x^2 + 12 x - 1}$$

Sequence: A189229
Score: 12.6601
Type of gen. func.: ogf

$$-\frac{906150256 x - 906150257}{(x - 1)^2}$$

Sequence: A189229
Score: 6.54464
Type of gen. func.: ogf

$$(f(x) + 410554144130583025)$$

$$(f(x) x^2 - 2 f(x) x + f(x) + 906150256 x - 906150257)$$

Sequence: A189229
Score: 7.88027
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 906150257, a(1) = 906150258\}$$

Sequence: A189234
Score: 8.51015
Type of gen. func.: ogf

$$-\frac{3 x^4 + 6 x^3 - 12 x^2 - 4 x + 5}{x^5 - 3 x^4 - 3 x^3 + 4 x^2 + x - 1}$$

Sequence: A189235
Score: 7.33084
Type of gen. func.: ogf

$$\frac{2 x^4 - 10 x^3 - 6 x^2 + 16 x - 5}{x^5 + 2 x^4 - 5 x^3 - 2 x^2 + 4 x - 1}$$

Sequence: A189236
Score: 7.31339
Type of gen. func.: ogf

$$\frac{4 x^4 + 4 x^3 - 15 x^2 - 8 x + 5}{x^5 + 4 x^4 + 2 x^3 - 5 x^2 - 2 x + 1}$$

Sequence: A189237
Score: 7.05414
Type of gen. func.: ogf

$$- \frac{x^4 + 8 x^3 - 9 x^2 - 12 x + 5}{x^5 - x^4 - 4 x^3 + 3 x^2 + 3 x - 1}$$

Sequence: A189244
Score: 25.8757
Type of gen. func.: lgdegf]

$$\frac{2 x + 3}{(x^2 + 3 x + 1)^2}$$

Sequence: A189247
Score: 4.88281
Type of gen. func.: ogf

$$-(29259 f(x) + 16172)$$

$$(16 f(x) x^3 - 12 f(x) x^2 - 6 f(x) x + 16 x^2 + f(x) - 12 x - 2)$$

Sequence: A189247
Score: 5.30014
Type of gen. func.: ogf

{a(n + 3) - 6 a(n + 2) - 12 a(n + 1) + 16 a(n), a(0) = 2, a(1) = 24, a(2) = 152
    }

Sequence: A189247
Score: 9.07661
Type of gen. func.: lgdogf

$$-\frac{4\,(32\,x^4 - 48\,x^3 + 18\,x^2 + 2\,x + 3)}{(8\,x^2 - 6\,x - 1)\,(16\,x^3 - 12\,x^2 - 6\,x + 1)}$$

Sequence: A189247
Score: 9.54025
Type of gen. func.: ogf

$$-\frac{2\,(8\,x^2 - 6\,x - 1)}{16\,x^3 - 12\,x^2 - 6\,x + 1}$$

Sequence: A189258
Score: 4.28279
Type of gen. func.: ogf

$$-\frac{56\,x^7 - 132\,x^6 + 12\,x^5 + 62\,x^4 - 18\,x^3 - 7\,x - 7}{56\,x^8 - 140\,x^7 + 6\,x^6 + 50\,x^5 - x^4 + 2\,x^2 - 6\,x + 1}$$

Sequence: A189274
Score: 10.5052
Type of gen. func.: ogf

{a(n + 2) - 5 a(n + 1), a(0) = 1, a(1) = 9}

Sequence: A189274
Score: 16.8084
Type of gen. func.: ogf

$$-5 f(x) x + f(x) - 4 x - 1$$

Sequence: A189274
Score: 20.4426
Type of gen. func.: ogf

$$-\frac{4 x + 1}{5 x - 1}$$

Sequence: A189274
Score: 41.3147
Type of gen. func.: lgdogf

$$-\frac{9}{(4 x + 1) (5 x - 1)}$$

Sequence: A189305
Score: 6.21723
Type of gen. func.: lgdogf

$$-\frac{x^8 - 8 x^7 + 19 x^6 - 42 x^4 + 4 x^3 + 32 x^2 + 34 x + 14}{(x^2 - 2 x - 2) (x^2 - 2 x - 1) (x^5 - 4 x^4 + 8 x^2 + 4 x - 1)}$$

Sequence: A189305
Score: 7.09194
Type of gen. func.: ogf

$$-\frac{(x^2 - 2 x - 2) (x^2 - 2 x - 1)}{x^5 - 4 x^4 + 8 x^2 + 4 x - 1}$$

Sequence: A189315
Score: 12.9947
Type of gen. func.: ogf

$$\frac{5 (x^2 - 3 x + 1)}{5 x^2 - 5 x + 1}$$

Sequence: A189315
Score: 16.8010
Type of gen. func.: lgdogf

$$\frac{2 (5 x^2 - 4 x + 1)}{(x^2 - 3 x + 1) (5 x^2 - 5 x + 1)}$$

Sequence: A189315
Score: 6.74727
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 5 a(n + 1), a(0) = 5, a(1) = 10, a(2) = 30\}$$

Sequence: A189315
Score: 7.16036
Type of gen. func.: ogf

$$-(f(x) + 5) (5 f(x) x^2 - 5 f(x) x - 5 x^2 + f(x) + 15 x - 5)$$

Sequence: A189316
Score: 12.4204
Type of gen. func.: ogf

$$- \frac{5 (x^2 + x - 1)}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A189316
Score: 14.3110
Type of gen. func.: lgdogf

4   3   2

$$-\frac{x + 2 x - 3 x + 2 x + 1}{(x + 1) (x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A189316
Score: 6.58819
Type of gen. func.: ogf

$$-(f(x) - 2) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + 5 x^2 + f(x) + 5 x - 5)$$

Sequence: A189316
Score: 6.70480
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 5, a(1) = 5, a(2) = 15\}$$

Sequence: A189317
Score: 12.3097
Type of gen. func.: ogf

$$\frac{5 (x^2 - 6 x + 1)}{5 x^2 - 10 x + 1}$$

Sequence: A189317
Score: 15.8346
Type of gen. func.: lgdogf

$$\frac{4 (5 x^2 - 2 x + 1)}{(x^2 - 6 x + 1) (5 x^2 - 10 x + 1)}$$

Sequence: A189317
Score: 6.38712
Type of gen. func.: ogf

$$\{a(n + 3) - 10 a(n + 2) + 5 a(n + 1), a(0) = 5, a(1) = 20, a(2) = 180\}$$

Sequence: A189317
Score: 6.70332
Type of gen. func.: ogf

$$-(19 f(x) - 70) (5 f(x) x^{2} - 10 f(x) x - 5 x^{2} + f(x) + 30 x - 5)$$

Sequence: A189318
Score: 12.9117
Type of gen. func.: ogf

$$-\frac{5 (2 x - 1)}{(x - 1) (4 x^{2} + 2 x - 1)}$$

Sequence: A189318
Score: 13.6840
Type of gen. func.: lgdogf

$$-\frac{16 x^{3} - 16 x^{2} + 4 x + 1}{(x - 1) (2 x - 1) (4 x^{2} + 2 x - 1)}$$

Sequence: A189318
Score: 6.17020
Type of gen. func.: ogf

$\{-a(n + 3) + 3 a(n + 2) + 2 a(n + 1) - 4 a(n), a(0) = 5, a(1) = 5, a(2) = 25\}$

Sequence: A189318
Score: 6.45586
Type of gen. func.: ogf

$$-(5 f(x) - 4) (4 f(x) x^{3} - 2 f(x) x^{2} - 3 f(x) x + f(x) + 10 x - 5)$$

Sequence: A189320
Score: 12.7109
Type of gen. func.: ogf

$$\frac{x^4 + x^3 + 2 x^2 - 3 x + 5}{(x - 1)^2}$$

Sequence: A189320
Score: 16.5541
Type of gen. func.: lgdogf

$$\frac{2 x^4 - 3 x^3 - 3 x^2 - x - 7}{(x - 1) (x^4 + x^3 + 2 x^2 - 3 x + 5)}$$

Sequence: A189320
Score: 7.56082
Type of gen. func.: ogf

$$-(66 f(x) - 587) (-x^4 + f(x) x^2 - x^3 - 2 f(x) x - 2 x^2 + f(x) + 3 x - 5)$$

Sequence: A189321
Score: 8.20750
Type of gen. func.: ogf

$$\frac{x^7 + x^6 + x^5 - x^4 - x^3 - 5 x^2 + 9 x - 7}{(x - 1)^3}$$

Sequence: A189321
Score: 9.56930
Type of gen. func.: lgdogf

$$\frac{2 (2 x^7 - 2 x^6 - 2 x^5 - 3 x^4 + 2 x^3 + 4 x^2 - 4 x + 6)}{(x - 1) (x^7 + x^6 + x^5 - x^4 - x^3 - 5 x^2 + 9 x - 7)}$$

Sequence: A189322
Score: 8.39174
Type of gen. func.: lgdogf

$$\frac{15 x^7 - x^6 - 3 x^5 - 27 x^4 - 33 x^3 - 9 x^2 - 6 x - 12}{(x - 1) (3 x^7 + 5 x^6 + 9 x^5 + 9 x^4 + 3 x^3 + 5 x^2 - 4 x + 8)}$$

Sequence: A189322
Score: 8.82983
Type of gen. func.: ogf

$$\frac{3 x^7 + 5 x^6 + 9 x^5 + 9 x^4 + 3 x^3 + 5 x^2 - 4 x + 8}{(x - 1)^2}$$

Sequence: A189323
Score: 6.69270
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 5 x^8 + 5 x^7 - 4 x^6 - 5 x^5 - 8 x^4 - 12 x^2 + 12 x - 10}{(x - 1)^3}$$

Sequence: A189324
Score: 6.98439
Type of gen. func.: ogf

$$\frac{5 x^9 + 14 x^8 + 25 x^7 + 30 x^6 + 26 x^5 + 20 x^4 + 6 x^3 + 8 x^2 - 5 x + 11}{(x - 1)^2}$$

Sequence: A189325
Score: 4.60564
Type of gen. func.: ogf

$$(x^{13} + 7 x^{12} + 10 x^{11} + 2 x^{10} - 10 x^9 - 14 x^8 - 21 x^7 + 7 x^6 + 3 x^5 + 10 x^4 - 9 x^3 + 31 x^2 - 28 x + 13) \Big/ (x - 1)^4$$

Sequence: A189327
Score: 15.7003
Type of gen. func.: ogf

$$\frac{3 x^2 + 6 x + 2}{(x + 1)^2 (x - 1)^2}$$

Sequence: A189327
Score: 18.2988
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^3 + 9 x^2 + 7 x + 3)}{(x - 1) (x + 1) (3 x^2 + 6 x + 2)}$$

Sequence: A189327
Score: 8.94917
Type of gen. func.: ogf

$$(5456 f(x) - 12071) (f(x) x^4 - 2 f(x) x^2 - 3 x^2 + f(x) - 6 x - 2)$$

Sequence: A189334
Score: 11.8720
Type of gen. func.: ogf

$$\frac{x^2 - 6 x + 1}{5 x^2 - 10 x + 1}$$

Sequence: A189334
Score: 14.9787
Type of gen. func.: lgdogf

$$\frac{4 (5 x^2 - 2 x + 1)}{(x^2 - 6 x + 1) (5 x^2 - 10 x + 1)}$$

Sequence: A189334
Score: 6.16429
Type of gen. func.: ogf

$$\{a(n + 3) - 10 a(n + 2) + 5 a(n + 1), a(0) = 1, a(1) = 4, a(2) = 36\}$$

Sequence: A189334
Score: 6.41087
Type of gen. func.: ogf

$$-(-14 + 19 f(x)) (5 f(x) x^2 - 10 f(x) x - x^2 + f(x) + 6 x - 1)$$

Sequence: A189336
Score: 4.01643
Type of gen. func.: ogf

$$- \frac{x^9 + x^7 - 5 x^6 - 3 x^5 - 4 x^4 + 9 x^3 + 4 x^2 + 4}{(x^2 - x - 1) (x^4 - x^3 + 2 x^2 - 4 x + 1) (x^4 + x^3 + x^2 - x + 1)}$$

Sequence: A189345
Score: 4.97607
Type of gen. func.: ogf

$$- \frac{x (x + 1) (x^4 + 116 x^3 + 606 x^2 + 116 x + 1)}{(x - 1)^9}$$

Sequence: A189348
Score: 7.12999
Type of gen. func.: ogf

$$- \frac{x^4 - 3 x^3 - 2 x^2 + x + 1}{(x - 1) (x^4 - 2 x^3 - 5 x^2 - 2 x + 1)}$$

Sequence: A189356

Score: 15.1063
Type of gen. func.: ogf

$$-\frac{x-3}{x^2-14x+1}$$

Sequence: A189356
Score: 21.3472
Type of gen. func.: lgdogf

$$-\frac{x^2-6x+41}{(x-3)(x^2-14x+1)}$$

Sequence: A189356
Score: 7.47191
Type of gen. func.: ogf

$$-(568 f(x) - 23) (f(x) x^2 - 14 f(x) x + f(x) + x - 3)$$

Sequence: A189356
Score: 8.27248
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1) + a(n), a(0) = 3, a(1) = 41\}$$

Sequence: A189374
Score: 21.2326
Type of gen. func.: lgdogf

$$-\frac{11x^2+2x+2}{(x-1)(x^2+x+1)}$$

Sequence: A189374
Score: 26.7617
Type of gen. func.: ogf_with_Euler_transform]

$$[3 x^2 + 2]$$

Sequence: A189374
Score: 4.08033
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + 2 a(n + 3) + 2 a(n + 2) + (12 + n) a(n + 1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 7\}$$

Sequence: A189374
Score: 6.53646
Type of gen. func.: ogf

$$- \frac{1}{(x^2 + x + 1)^3 (x - 1)^5}$$

Sequence: A189375
Score: 17.7310
Type of gen. func.: lgdogf

$$- \frac{2 (7 x^3 + x^2 + x + 1)}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A189375
Score: 27.3975
Type of gen. func.: ogf_with_Euler_transform]

$$[3 x^3 + 2]$$

Sequence: A189375
Score: 6.32115
Type of gen. func.: ogf

$$- \frac{1}{(x^2 + 1)^3 (x + 1)^3 (x - 1)^5}$$

Sequence: A189376
Score: 16.4093
Type of gen. func.: lgdogf

$$-\frac{11 x^3 + 3 x^2 + 3 x + 3}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A189376
Score: 27.3319
Type of gen. func.: ogf_with_Euler_transform]

$$[2 x^3 + 3]$$

Sequence: A189376
Score: 6.42739
Type of gen. func.: ogf

$$-\frac{1}{(x^2 + 1)^2 (x + 1)^2 (x - 1)^5}$$

Sequence: A189390
Score: 4.0267
Type of gen. func.: ogf

$$-16 f(x)^2 x^4 + 32 f(x)^2 x^3 - 24 f(x)^2 x^2 + 8 f(x) x^3 + 8 f(x)^2 x - 4 f(x) x^2$$
$$- f(x)^2 - 2 f(x) x - 2 x^2 + f(x) - x$$

Sequence: A189391
Score: 3.48628
Type of gen. func.: ogf

$$\{(-8 n - 16) a(n + 1) + (4 n + 4) a(n + 2) + (2 n + 10) a(n + 3)$$
$$+ (-n - 4) a(n + 4), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 8\}$$

Sequence: A189391
Score: 5.3656
Type of gen. func.: ogf

$$8 f(x)^2 x^3 - 12 f(x)^2 x^2 + 6 f(x)^2 x - 4 f(x) x^2 - f(x)^2 + 4 f(x) x - f(x) + x$$

Sequence: A189392
Score: 16.7599
Type of gen. func.: revegf]

$$1/2 \arctan(1/2 + \frac{5 x}{2}) - 1/2 \arctan(1/2)$$

Sequence: A189423
Score: 31.4066
Type of gen. func.: lgdegf]

$$\frac{2 \ln(x + 1) + 1}{x + 1}$$

Sequence: A189424
Score: 34.4511
Type of gen. func.: lgdegf]

$$\frac{4 \ln(x + 1) + 1}{x + 1}$$

Sequence: A189425
Score: 26.7918
Type of gen. func.: lgdegf]

$$- \frac{2 \ln(x + 1) - 1}{x + 1}$$

Sequence: A189426
Score: 10.3022
Type of gen. func.: ogf

$$\frac{x^2}{(x^3 - x^2 - 2x + 1)^2}$$

Sequence: A189426
Score: 20.7073
Type of gen. func.: lgdogf

$$-\frac{2(3x^2 - 2x - 2)}{x^3 - x^2 - 2x + 1}$$

Sequence: A189426
Score: 3.66418
Type of gen. func.: ogf

{(-n - 5) a(n + 1) + (n + 4) a(n + 2) + (2 n + 6) a(n + 3) + (-n - 2) a(n + 4),

a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 4}

Sequence: A189427
Score: 10.0172
Type of gen. func.: ogf

$$-\frac{x^2}{(x - 1)(x^3 - x^2 - 2x + 1)^2}$$

Sequence: A189427
Score: 16.4649
Type of gen. func.: lgdogf

$$-\frac{7x^3 - 11x^2 - 2x + 5}{(x - 1)(x^3 - x^2 - 2x + 1)}$$

Sequence: A189429
Score: 6.82263
Type of gen. func.: lgdogf

$$-\frac{48x^6+112x^5+132x^4+88x^3+36x^2+12x+3}{(2x^2+2x+1)(8x^5+12x^4+10x^3+4x^2+x-1)}$$

Sequence: A189429
Score: 8.10832
Type of gen. func.: ogf

$$-\frac{2x^2+2x+1}{8x^5+12x^4+10x^3+4x^2+x-1}$$

Sequence: A189436
Score: 6.77670
Type of gen. func.: ogf

$$-\frac{x^4-4x^3+7x^2-5x-1}{x^5-4x^4+6x^3-2x^2-4x+1}$$

Sequence: A189437
Score: 5.78983
Type of gen. func.: ogf

$$-\frac{(x-1)(75x^3-63x^2+11x+1)}{75x^5-138x^4+47x^3+17x^2-10x+1}$$

Sequence: A189442
Score: 5.51267
Type of gen. func.: ogf

$$\frac{(x-1)(x^4-2x-1)(x+1)^2}{(x^4+1)^2}$$

Sequence: A189442
Score: 7.13216
Type of gen. func.: lgdogf

$$-\frac{x^9+x^8-4x^7-8x^6-14x^5+14x^4+12x^3+8x^2+x-3}{(x-1)(x+1)(x^4-2x-1)(x^4+1)}$$

Sequence: A189444
Score: 5.29058
Type of gen. func.: ogf

$$-\frac{2x^4-20x^3-6x^2+x+5}{(x-1)(x^4-11x^3+x^2-11x+1)}$$

Sequence: A189445
Score: 5.05446
Type of gen. func.: ogf

$$\frac{51x^5+537x^4-571x^3+168x^2-33x-8}{(x+1)(3x^4+33x^3-44x^2+25x-1)}$$

Sequence: A189450
Score: 4.79116
Type of gen. func.: ogf

$$-(292602 f(x) + 78283)$$

$$(f(x)x^4-4f(x)x^3+x^3+4f(x)x-4x^2-f(x)+x+1)$$

Sequence: A189450
Score: 7.94512
Type of gen. func.: lgdogf

$$-\frac{x^6-8x^5+19x^4-12x^3+7x^2-8x+5}{(x-1)(x+1)(x^2-4x+1)(x^3-4x^2+x+1)}$$

Sequence: A189450
Score: 9.16568
Type of gen. func.: ogf

$$-\frac{x^3 - 4x^2 + x + 1}{(x-1)(x+1)(x^2 - 4x + 1)}$$

Sequence: A189487
Score: 25.2582
Type of gen. func.: lgdegf]

$$(x + 1) (2 \exp(2 x) x + \exp(x))$$

Sequence: A189564
Score: 6.30245
Type of gen. func.: egf]

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A189567
Score: 6.36027
Type of gen. func.: egf]

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A189569
Score: 5.48859
Type of gen. func.: egf]

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A189570
Score: 5.60176
Type of gen. func.: egf]

$$-(f(x)\,x - f(x) + 1)^3$$

Sequence: A189585
Score: 3.77320
Type of gen. func.: ogf

$$-\frac{x^{14} - x^{11} - x^{10} - 2\,x^9 - 3\,x^8 + x^7 + x^6 + x^5 + 3\,x^4 + x^2 + 1}{x^{15} - x^{12} - x^{11} - 2\,x^{10} - 4\,x^9 + x^8 + 2\,x^6 + 4\,x^5 + x^4 + 2\,x^3 + x - 1}$$

Sequence: A189593
Score: 6.50108
Type of gen. func.: ogf

$$-\frac{(x^2 + 1)\,(x^4 + x^3 + 1)}{(x^2 - x + 1)\,(x^5 + 2\,x^4 + 2\,x^3 + x^2 - 1)}$$

Sequence: A189600
Score: 5.72252
Type of gen. func.: ogf

$$-\frac{x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + 1}{(x^2 + 1)\,(x^6 + x^5 + x^2 + x - 1)}$$

Sequence: A189604
Score: 13.8422
Type of gen. func.: ogf

$$-\frac{3\,x + 1}{2\,x^2 + 3\,x - 1}$$

Sequence: A189604
Score: 16.0575
Type of gen. func.: lgdogf

$$-\frac{2(3x^2+2x+3)}{(3x+1)(2x^2+3x-1)}$$

Sequence: A189604
Score: 6.77064
Type of gen. func.: ogf

$$-(59 f(x) + 103) (2 f(x) x^2 + 3 f(x) x - f(x) + 3 x + 1)$$

Sequence: A189604
Score: 7.59632
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A189644
Score: 3.95227
Type of gen. func.: ogf

$$(97147 f(x) + 144174) (16 f(x) x^4 - 8 f(x) x^3 - 6 f(x) x^2 + 16 x^3 + 9 f(x) x - 16 x^2 - f(x) + 6 x + 3)$$

Sequence: A189644
Score: 7.36110
Type of gen. func.: ogf

$$-\frac{16 x^3 - 16 x^2 + 6 x + 3}{16 x^4 - 8 x^3 - 6 x^2 + 9 x - 1}$$

Sequence: A189709
Score: 5.70774
Type of gen. func.: ogf

$$- x (x^{39} - x^{25} - x^{22} - x^{21} - x^{19} - x^{18} - x^{16} - x^{13} - x^{12} - x^{10} - x^{9} - x^{7} - x^{4}$$

$$- x - 1) \Big/ \left((x^2 + x + 1)\,(x^6 + x^3 + 1)\,(x^{18} + x^9 + 1)\,(x - 1)^2\right)$$

Sequence: A189732
Score: 17.3603
Type of gen. func.: ogf

$$-\frac{4 x + 1}{5 x^2 + x - 1}$$

Sequence: A189732
Score: 21.3262
Type of gen. func.: lgdogf

$$-\frac{5\,(4 x^2 + 2 x + 1)}{(4 x + 1)\,(5 x^2 + x - 1)}$$

Sequence: A189732
Score: 8.68014
Type of gen. func.: ogf

$$-(9 f(x) + 16)\,(5 f(x) x^2 + f(x) x - f(x) + 4 x + 1)$$

Sequence: A189732
Score: 9.52700
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - 5 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A189733
Score: 7.39554
Type of gen. func.: ogf

$$-\frac{x^{10} - x^9 - x^8 - 2 x^7 + x^6 - 6 x^5 - x^4 - 2 x^3 - x^2 - x - 1}{(x - 1)^2\,(x + 1)^2\,(x^2 + x + 1)^2\,(x^2 - x + 1)^2}$$

Sequence: A189734
Score: 16.0733
Type of gen. func.: ogf

$$-\frac{x + 2}{5 x^{2} + 2 x - 1}$$

Sequence: A189734
Score: 20.8902
Type of gen. func.: lgdogf

$$-\frac{5 (x^{2} + 4 x + 1)}{(x + 2) (5 x^{2} + 2 x - 1)}$$

Sequence: A189734
Score: 8.31376
Type of gen. func.: ogf

$$(42 f(x) - 59) (5 f(x) x^{2} + 2 f(x) x - f(x) + x + 2)$$

Sequence: A189734
Score: 8.82071
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 5 a(n), a(0) = 2, a(1) = 5\}$$

Sequence: A189735
Score: 17.3274
Type of gen. func.: ogf

$$\frac{8 x - 3}{x^{2} + 3 x - 1}$$

Sequence: A189735

Score: 21.8973
Type of gen. func.: lgdogf

$$-\frac{8 x^2 - 6 x - 1}{(8 x - 3) (x^2 + 3 x - 1)}$$

Sequence: A189735
Score: 8.76108
Type of gen. func.: ogf

$$(111 f(x) - 332) (f(x) x^2 + 3 f(x) x - f(x) - 8 x + 3)$$

Sequence: A189735
Score: 9.50896
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) + a(n), a(0) = 3, a(1) = 1\}$$

Sequence: A189736
Score: 16.0009
Type of gen. func.: ogf

$$\frac{7 x - 3}{2 x^2 + 3 x - 1}$$

Sequence: A189736
Score: 18.6055
Type of gen. func.: lgdogf

$$-\frac{2 (7 x + 1) (x - 1)}{(7 x - 3) (2 x^2 + 3 x - 1)}$$

Sequence: A189736
Score: 8.18227
Type of gen. func.: ogf

2

$$(57 f(x) - 169) (2 f(x) x + 3 f(x) x - f(x) - 7 x + 3)$$

Sequence: A189736
Score: 8.78098
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) + 2 a(n), a(0) = 3, a(1) = 2\}$$

Sequence: A189737
Score: 16.7973
Type of gen. func.: ogf

$$\frac{3 (2 x - 1)}{3 x^2 + 3 x - 1}$$

Sequence: A189737
Score: 20.0769
Type of gen. func.: lgdogf

$$- \frac{6 x^2 - 6 x - 1}{(2 x - 1) (3 x^2 + 3 x - 1)}$$

Sequence: A189737
Score: 8.68826
Type of gen. func.: ogf

$$(13 f(x) - 38) (3 f(x) x^2 + 3 f(x) x - f(x) - 6 x + 3)$$

Sequence: A189737
Score: 9.21804
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) + 3 a(n), a(0) = 3, a(1) = 3\}$$

Sequence: A189738
Score: 15.9513

Type of gen. func.: ogf

$$\frac{5\,x-3}{(x+1)\,(4\,x-1)}$$

Sequence: A189738
Score: 18.0752
Type of gen. func.: lgdogf

$$-\frac{4\,(5\,x^{2}-6\,x-1)}{(4\,x-1)\,(5\,x-3)\,(x+1)}$$

Sequence: A189738
Score: 8.25068
Type of gen. func.: ogf

$$(15\,f(x)-43)\,(4\,f(x)\,x^{2}+3\,f(x)\,x-f(x)-5\,x+3)$$

Sequence: A189738
Score: 8.75378
Type of gen. func.: ogf

$$\{-a(n+2)+3\,a(n+1)+4\,a(n),\ a(0)=3,\ a(1)=4\}$$

Sequence: A189739
Score: 16.6666
Type of gen. func.: ogf

$$\frac{4\,x-3}{5\,x^{2}+3\,x-1}$$

Sequence: A189739
Score: 18.9006
Type of gen. func.: lgdogf

$$-\frac{5\,(4\,x^{2}-6\,x-1)}{{}^{2}}$$

$$(4 x - 3) (5 x + 3 x - 1)$$

Sequence: A189739
Score: 8.42694
Type of gen. func.: ogf

$$(123 f(x) - 344) (5 f(x) x^{2} + 3 f(x) x - f(x) - 4 x + 3)$$

Sequence: A189739
Score: 9.14633
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) + 5 a(n), a(0) = 3, a(1) = 5\}$$

Sequence: A189740
Score: 13.5353
Type of gen. func.: ogf

$$-\frac{2 x^{3} + x^{2} - 1}{(x - 1) (x^{4} + x^{3} + x^{2} + x - 1)}$$

Sequence: A189740
Score: 9.96434
Type of gen. func.: lgdogf

$$-\frac{4 x^{7} + 3 x^{6} - 5 x^{4} + 8 x^{3} - 4 x^{2} - 2 x + 2}{(x - 1) (2 x^{3} + x^{2} - 1) (x^{4} + x^{3} + x^{2} + x - 1)}$$

Sequence: A189741
Score: 16.3043
Type of gen. func.: ogf

$$\frac{2 (7 x - 2)}{2 x^{2} + 4 x - 1}$$

Sequence: A189741
Score: 19.3980
Type of gen. func.: lgdogf

$$-\frac{14 x^2 - 8 x - 1}{(7 x - 2) (2 x^2 + 4 x - 1)}$$

Sequence: A189741
Score: 8.42694
Type of gen. func.: ogf

$$(66 f(x) - 263) (2 f(x) x^2 + 4 f(x) x - f(x) - 14 x + 4)$$

Sequence: A189741
Score: 9.14633
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 2 a(n), a(0) = 4, a(1) = 2\}$$

Sequence: A189742
Score: 15.6830
Type of gen. func.: ogf

$$\frac{13 x - 4}{3 x^2 + 4 x - 1}$$

Sequence: A189742
Score: 17.2855
Type of gen. func.: lgdogf

$$-\frac{3 (13 x^2 - 8 x - 1)}{(13 x - 4) (3 x^2 + 4 x - 1)}$$

Sequence: A189742
Score: 7.92767

Type of gen. func.: ogf

$$(268 f(x) - 1063) (3 f(x) x^2 + 4 f(x) x - f(x) - 13 x + 4)$$

Sequence: A189742
Score: 8.79777
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 3 a(n), a(0) = 4, a(1) = 3\}$$

Sequence: A189743
Score: 15.9593
Type of gen. func.: ogf

$$\frac{4 (3 x - 1)}{4 x^2 + 4 x - 1}$$

Sequence: A189743
Score: 18.9847
Type of gen. func.: lgdogf

$$-\frac{12 x^2 - 8 x - 1}{(3 x - 1) (4 x^2 + 4 x - 1)}$$

Sequence: A189743
Score: 8.34239
Type of gen. func.: ogf

$$(17 f(x) - 67) (4 f(x) x^2 + 4 f(x) x - f(x) - 12 x + 4)$$

Sequence: A189743
Score: 8.95280
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 4 a(n), a(0) = 4, a(1) = 4\}$$

Sequence: A189744
Score: 16.3048
Type of gen. func.: ogf

$$\frac{11 x - 4}{(x + 1) (5 x - 1)}$$

Sequence: A189744
Score: 17.9831
Type of gen. func.: lgdogf

$$- \frac{5 (11 x^2 - 8 x - 1)}{(11 x - 4) (5 x - 1) (x + 1)}$$

Sequence: A189744
Score: 8.24199
Type of gen. func.: ogf

$$(276 f(x) - 1079) (5 f(x) x^2 + 4 f(x) x - f(x) - 11 x + 4)$$

Sequence: A189744
Score: 9.14659
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 5 a(n), a(0) = 4, a(1) = 5\}$$

Sequence: A189745
Score: 15.8212
Type of gen. func.: ogf

$$\frac{24 x - 5}{x^2 + 5 x - 1}$$

Sequence: A189745
Score: 18.8174
Type of gen. func.: lgdogf

$$-\frac{(12 x + 1) (2 x - 1)}{(24 x - 5) (x^2 + 5 x - 1)}$$

Sequence: A189745
Score: 7.99752
Type of gen. func.: ogf

$$(505 f(x) - 2524) (f(x) x^2 + 5 f(x) x - f(x) - 24 x + 5)$$

Sequence: A189745
Score: 8.87528
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + a(n), a(0) = 5, a(1) = 1\}$$

Sequence: A189746
Score: 16.3739
Type of gen. func.: ogf

$$\frac{23 x - 5}{2 x^2 + 5 x - 1}$$

Sequence: A189746
Score: 17.6306
Type of gen. func.: lgdogf

$$-\frac{2 (23 x^2 - 10 x - 1)}{(23 x - 5) (2 x^2 + 5 x - 1)}$$

Sequence: A189746
Score: 8.27691
Type of gen. func.: ogf

$$(255 f(x) - 1273) (2 f(x) x^2 + 5 f(x) x - f(x) - 23 x + 5)$$

Sequence: A189746
Score: 9.18534
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + 2 a(n), a(0) = 5, a(1) = 2\}$$

Sequence: A189747
Score: 15.3366
Type of gen. func.: ogf

$$\frac{22 x - 5}{3 x^2 + 5 x - 1}$$

Sequence: A189747
Score: 16.4986
Type of gen. func.: lgdogf

$$-\frac{3 (22 x^2 - 10 x - 1)}{(22 x - 5) (3 x^2 + 5 x - 1)}$$

Sequence: A189747
Score: 7.7526
Type of gen. func.: ogf

$$(515 f(x) - 2566) (3 f(x) x^2 + 5 f(x) x - f(x) - 22 x + 5)$$

Sequence: A189747
Score: 8.60348
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + 3 a(n), a(0) = 5, a(1) = 3\}$$

Sequence: A189748
Score: 15.6775
Type of gen. func.: ogf

$$21 x - 5$$

$$\overline{\quad 4 x^2 + 5 x - 1 \quad}$$

Sequence: A189748
Score: 16.8719
Type of gen. func.: lgdogf

$$- \frac{4 (21 x^2 - 10 x - 1)}{(21 x - 5) (4 x^2 + 5 x - 1)}$$

Sequence: A189748
Score: 8.10296
Type of gen. func.: ogf

$$(65 f(x) - 323) (4 f(x) x^2 + 5 f(x) x - f(x) - 21 x + 5)$$

Sequence: A189748
Score: 8.79467
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + 4 a(n), a(0) = 5, a(1) = 4\}$$

Sequence: A189749
Score: 16.0183
Type of gen. func.: ogf

$$\frac{5 (4 x - 1)}{5 x^2 + 5 x - 1}$$

Sequence: A189749
Score: 18.5717
Type of gen. func.: lgdogf

$$- \frac{20 x^2 - 10 x - 1}{(4 x - 1) (5 x^2 + 5 x - 1)}$$

Sequence: A189749
Score: 8.27911
Type of gen. func.: ogf

$$(21 f(x) - 104) (5 f(x) x^2 + 5 f(x) x - f(x) - 20 x + 5)$$

Sequence: A189749
Score: 8.98585
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + 5 a(n), a(0) = 5, a(1) = 5\}$$

Sequence: A189761
Score: 8.36654
Type of gen. func.: ogf

$$\frac{x^8 + x^7 - x^6 - 2 x^5 - 3 x^4 - 2 x^3 + 2 x + 1}{(x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A189769
Score: 19.4730
Type of gen. func.: lgdogf

$$- \frac{4 (3 x^2 - 4 x + 3)}{(4 x - 1) (2 x^2 - 2 x + 1)}$$

Sequence: A189769
Score: 3.65300
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-30 - 6 n) a(n + 3) + (36 + 10 n) a(n + 2)$$
$$+ (-20 - 8 n) a(n + 1), a(0) = 2, a(1) = 24, a(2) = 200, a(3) = 1400\}$$

Sequence: A189770

Score: 14.5090
Type of gen. func.: lgdogf

$$-\frac{15\,(x-1)\,(2x^2-x+1)}{(4x-1)\,(5x^3-6x^2+3x-1)}$$

Sequence: A189770
Score: 5.88051
Type of gen. func.: ogf

$$\{(4n^2+34n+60)\,a(n+1)+(-n^2-5n-6)\,a(n+2),\ a(0)=2,\ a(1)=30\}$$

Sequence: A189772
Score: 34.8949
Type of gen. func.: lgdegf]

$$\frac{2}{x^2+2x+2}$$

Sequence: A189772
Score: 6.26218
Type of gen. func.: ogf

$$\{(n^2+n)\,a(n)+2\,a(n+1)\,n+2\,a(n+2),\ a(0)=1,\ a(1)=1\}$$

Sequence: A189786
Score: 19.2979
Type of gen. func.: ogf

$$\frac{2\,(2x^2+x+1)}{(x^2+x+1)\,(x-1)^2}$$

Sequence: A189786
Score: 21.4777
Type of gen. func.: lgdogf

$$-\frac{4x^4+5x^3+7x^2+6x+2}{(x-1)(x^2+x+1)(2x^2+x+1)}$$

Sequence: A189786
Score: 7.04892
Type of gen. func.: ogf

$$\{(-4n-15)a(n+1)-4a(n+2)-4a(n+3)+(4n+11)a(n+4),\ a(0)=2,$$
$$a(1)=4,\ a(2)=8,\ a(3)=10\}$$

Sequence: A189786
Score: 9.97603
Type of gen. func.: ogf

$$-(60f(x)+187)(f(x)x^4-f(x)x^3-f(x)x-4x^2+f(x)-2x-2)$$

Sequence: A189796
Score: 5.35500
Type of gen. func.: ogf

$$(x^{25}+x^{24}-x^{23}+x^{22}-x^{21}+x^{19}-x^{17}+x^{16}-x^{15}+x^{13}-x^{12}+x^{11}-x^9$$
$$+x^8-x^7+x^5-x^3+x^2+1)\ /\ ((x^8+1)(x^{16}-x^8+1)(x-1)^2)$$

Sequence: A189800
Score: 12.3825
Type of gen. func.: ogf

$$-8f(x)x^2-6f(x)x+f(x)-x$$

Sequence: A189800
Score: 19.7451
Type of gen. func.: ogf

$$-\frac{x}{}$$

$$8 x^2 + 6 x - 1$$

Sequence: A189800
Score: 30.0484
Type of gen. func.: lgdogf

$$- \frac{2 (3 + 8 x)}{8 x^2 + 6 x - 1}$$

Sequence: A189800
Score: 9.01937
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) + 8 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A189801
Score: 12.4357
Type of gen. func.: ogf

$$-9 f(x) x^2 - 6 f(x) x + f(x) - x$$

Sequence: A189801
Score: 19.8299
Type of gen. func.: ogf

$$- \frac{x}{9 x^2 + 6 x - 1}$$

Sequence: A189801
Score: 30.1791
Type of gen. func.: lgdogf

$$- \frac{6 (3 x + 1)}{9 x^2 + 6 x - 1}$$

Sequence: A189801
Score: 9.05809
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) + 9 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A189807
Score: 11.9174
Type of gen. func.: lgdogf

$$\frac{4 x^5 - 11 x^4 + 4 x^3 - 7 x^2 + 6 x + 22}{(x - 1) (2 x^5 - x^4 + 3 x^3 - 2 x^2 - x - 7)}$$

Sequence: A189807
Score: 9.46048
Type of gen. func.: ogf

$$\frac{2 (2 x^5 - x^4 + 3 x^3 - 2 x^2 - x - 7)}{(x - 1)^3}$$

Sequence: A189808
Score: 6.59850
Type of gen. func.: ogf

$$\frac{2 (2 x^{10} - 2 x^9 + 4 x^7 - 3 x^6 + 7 x^5 - 2 x^4 + 2 x^3 - x^2 - 5 x - 14)}{(x - 1)^3}$$

Sequence: A189809
Score: 4.64487
Type of gen. func.: ogf

$$2 (2 x^{17} - 2 x^{16} + 4 x^{13} - 4 x^{12} + 6 x^{10} - 2 x^9 + x^8 + 7 x^7 - 6 x^6 + 12 x^5 - 3 x^4 + x^3 - 3 x^2 - 10 x - 23) \Big/ (x - 1)^3$$

Sequence: A189826
Score: 5.23543
Type of gen. func.: ogf

$$-\frac{36 x^6 - 210 x^5 + 329 x^4 - 235 x^3 + 89 x^2 - 19 x + 2}{(3 x - 1)^2 (2 x - 1)^2 (x - 1)^3}$$

Sequence: A189832
Score: 5.27772
Type of gen. func.: ogf

$$3 f(x)^2 x^4 + 8 f(x)^2 x^3 + 9 f(x)^2 x^2 + 2 f(x)^2 x - 3 f(x) x^2 - 2 f(x)^2 - 2 f(x) x + f(x) + 1$$

Sequence: A189833
Score: 11.6712
Type of gen. func.: ogf

$$-\frac{9 x^2 - 15 x + 8}{(x - 1)^3}$$

Sequence: A189833
Score: 19.1432
Type of gen. func.: lgdogf

$$-\frac{3 (3 x^2 - 4 x + 3)}{(x - 1) (9 x^2 - 15 x + 8)}$$

Sequence: A189833
Score: 6.13232
Type of gen. func.: ogf

$$-(4 f(x) + 103) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 9 x^2 - f(x) - 15 x + 8)$$

Sequence: A189833
Score: 6.40365
Type of gen. func.: ogf

$$\{a(n+3) - 3a(n+2) + 3a(n+1) - a(n),\ a(0) = 8,\ a(1) = 9,\ a(2) = 12\}$$

Sequence: A189834
Score: 11.1783
Type of gen. func.: ogf

$$-\frac{10x^2 - 17x + 9}{(x-1)^3}$$

Sequence: A189834
Score: 18.1317
Type of gen. func.: lgdogf

$$-\frac{2(5x^2 - 7x + 5)}{(x-1)(10x^2 - 17x + 9)}$$

Sequence: A189834
Score: 5.8201
Type of gen. func.: ogf

$$-(52f(x) + 1215)(f(x)x^3 - 3f(x)x^2 + 3f(x)x + 10x^2 - f(x) - 17x + 9)$$

Sequence: A189834
Score: 6.17747
Type of gen. func.: ogf

$$\{a(n+3) - 3a(n+2) + 3a(n+1) - a(n),\ a(0) = 9,\ a(1) = 10,\ a(2) = 13\}$$

Sequence: A189836
Score: 11.0631
Type of gen. func.: ogf

$$-\frac{12 x^2 - 21 x + 11}{(x - 1)^3}$$

Sequence: A189836
Score: 17.7644
Type of gen. func.: lgdogf

$$-\frac{6 (2 x^2 - 3 x + 2)}{(x - 1) (12 x^2 - 21 x + 11)}$$

Sequence: A189836
Score: 5.94991
Type of gen. func.: ogf

$$-(4 f(x) + 91) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 12 x^2 - f(x) - 21 x + 11)$$

Sequence: A189836
Score: 6.15686
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 11, a(1) = 12, a(2) = 15\}$$

Sequence: A189864
Score: 10.2702
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A189873
Score: 10.5911
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A189886
Score: 13.628
Type of gen. func.: egf]

$$f(x)\,x^3 + 3\,f(x)\,x^2 + 6\,f(x)\,x - 6\,f(x) + 6$$

Sequence: A189886
Score: 25.5939
Type of gen. func.: egf]

$$-\frac{6}{x^3 + 3\,x^2 + 6\,x - 6}$$

Sequence: A189886
Score: 32.3900
Type of gen. func.: lgdegf]

$$-\frac{3\,(x^2 + 2\,x + 2)}{x^3 + 3\,x^2 + 6\,x - 6}$$

Sequence: A189886
Score: 4.99690
Type of gen. func.: ogf

$$\{(-n^3 - 9\,n^2 - 26\,n - 24)\,a(n + 1) + (-3\,n^2 - 21\,n - 36)\,a(n + 2)$$
$$+ (-6\,n - 24)\,a(n + 3) + 6\,a(n + 4),\ a(0) = 1,\ a(1) = 1,\ a(2) = 3,$$
$$a(3) = 13\}$$

Sequence: A189887
Score: 11.4541
Type of gen. func.: ogf

$$\frac{x^6 + x^5 + x^4 - x^3 + 2\,x^2 - x + 1}{(x^2 + 1)\,(x - 1)^2}$$

Sequence: A189887
Score: 12.9469
Type of gen. func.: lgdogf

```
   8      7    6      5      4      3      2
2 x  - 3 x  + x  - 4 x  - 6 x  - 2 x  - 2 x  - x - 1
----------------------------------------------------
          2        6    5    4    3      2
(x - 1) (x  + 1) (x  + x  + x  - x  + 2 x  - x + 1)
```

Sequence: A189889
Score: 5.75488
Type of gen. func.: ogf

```
 7    6    5      3    2
x  - x  - x  - 3 x  + x  - 1
----------------------------
   2             2        3
 (x  + 1) (x + 1)  (x - 1)
```

Sequence: A189889
Score: 7.73513
Type of gen. func.: lgdogf

```
      7      6      5       4      3      2
   3 x  + 9 x  + 5 x  + 13 x  + 7 x  + 9 x  + x + 1
-------------------------------------------------------
                  2        7    6    5      3    2
(x - 1) (x + 1) (x  + 1) (x  - x  - x  - 3 x  + x  - 1)
```

Sequence: A189890
Score: 11.4859
Type of gen. func.: ogf

```
   3      2
  x  - 6 x  + 4 x - 2
- -------------------
                4
       (x - 1)
```

Sequence: A189890
Score: 22.2846
Type of gen. func.: lgdogf

```
           3      2
          x  - 9 x  - 4
- -----------------------------
            3      2
```

$$(x - 1) (x - 6 x + 4 x - 2)$$

Sequence: A189890
Score: 4.67945
Type of gen. func.: ogf

$$\{(85 n^2 + 453 n + 566) a(n + 1) + (-116 n^2 - 368 n - 116) a(n + 2) + (31 n^2 + 77 n - 48) a(n + 3), a(0) = 2, a(1) = 4, a(2) = 10\}$$

Sequence: A189890
Score: 5.93568
Type of gen. func.: ogf

$$-(18576 f(x) + 32623) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + x^3 - 4 f(x) x - 6 x^2 + f(x) + 4 x - 2)$$

Sequence: A189894
Score: 13.2738
Type of gen. func.: lgdogf

$$-\frac{56 x^3 + 141 x^2 + 108 x + 25}{(x - 1) (x + 1) (14 x^2 + 17 x + 2)}$$

Sequence: A189894
Score: 9.25027
Type of gen. func.: ogf

$$-\frac{2 (14 x^2 + 17 x + 2)}{(x + 1) (x - 1)^5}$$

Sequence: A189912
Score: 5.18046
Type of gen. func.: ogf

2 4 2 3 2 2 3 2 2

```
-3 f(x)  x  - 2 f(x)  x  + f(x)  x  - 6 f(x) x  - f(x) x  + 4 f(x) x - 4 x

     - f(x) - 2 x + 1



------------------------------------------------------------------------------

Sequence:  A189917
Score: 53.2997
Type of gen. func.: ogf_with_Euler_transform]


                                   24    23
                                 -x   + x   + 2



------------------------------------------------------------------------------

Sequence:  A189917
Score: 6.39402
Type of gen. func.: ogf


      4    3    2            20    15    10    5        /            2
4 x (x  + x  + x  + x + 1) (x   + x   + x   + x  + 1)  /  ((x + 1) (x  + 1)
                                                      /

      8    4        2            2            4    2        4             2
    (x  - x  + 1) (x  + x + 1) (x  - x + 1) (x  - x  + 1) (x  + 1) (x - 1) )



------------------------------------------------------------------------------

Sequence:  A189925
Score: 13.2418
Type of gen. func.: ogf_with_Euler_transform]


                                     2
                                  4 x  - 2 x + 4
                                - --------------
                                       4
                                     -x  + 1



------------------------------------------------------------------------------

Sequence:  A189940
Score: 17.3513
Type of gen. func.: lgdegf]


                           4      3       2
                          x  + 4 x  + 10 x  + 12 x + 6
                          ----------------------------
                                       2
                             (x + 1) (x  + 2 x + 2)



------------------------------------------------------------------------------

Sequence:  A189940
Score: 3.63223
Type of gen. func.: ogf
```

$$\{(-2 n^2 - 14 n - 24) a(n + 1) + (-n^2 - 12 n - 32) a(n + 2) + n a(n + 3)$$
$$+ (n + 4) a(n + 4), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 28\}$$

Sequence: A189976
Score: 30.7407
Type of gen. func.: ogf_with_Euler_transform]

$$[4 x + 1]$$

Sequence: A189976
Score: 31.7510
Type of gen. func.: lgdogf

$$-\frac{1 + 9 x}{(x - 1) (x + 1)}$$

Sequence: A189976
Score: 4.81389
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) - a(n + 2) + (-10 - n) a(n + 1), a(0) = 1, a(1) = 1, a(2) = 5\}$$

Sequence: A189976
Score: 7.30197
Type of gen. func.: ogf

$$-\frac{1}{(x + 1)^4 (x - 1)^5}$$

Sequence: A189980
Score: 29.6204
Type of gen. func.: lgdogf

$$-\frac{1 + 11 x}{(x - 1) (x + 1)}$$

Sequence: A189980
Score: 30.0910
Type of gen. func.: ogf_with_Euler_transform]

$$[1 + 5 x]$$

Sequence: A189980
Score: 4.71539
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) - a(n + 2) + (-12 - n) a(n + 1), a(0) = 1, a(1) = 1, a(2) = 6 \}$$

Sequence: A189980
Score: 5.73494
Type of gen. func.: ogf

$$\frac{1}{(x + 1)^5 (x - 1)^6}$$

Sequence: A189996
Score: 11.7700
Type of gen. func.: ogf

$$- \frac{x^6 + x^5 + x^4 + x^2 + 2 x + 2}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A190005
Score: 12.3329
Type of gen. func.: ogf

$$-10 f(x) x^2 - 6 f(x) x + f(x) - x$$

Sequence: A190005
Score: 19.4731
Type of gen. func.: ogf

$$-\frac{x}{10 x^2 + 6 x - 1}$$

Sequence: A190005
Score: 28.0988
Type of gen. func.: lgdogf

$$-\frac{2 (3 + 10 x)}{10 x^2 + 6 x - 1}$$

Sequence: A190005
Score: 9.02410
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) + 10 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A190025
Score: 4.27847
Type of gen. func.: ogf

$$(19 x^{10} + 37 x^9 + 18 x^8 + 364 x^7 - 522 x^6 - 453 x^5 + 926 x^4 - 441 x^3 + 516 x^2 - 912 x + 512) \Big/ ((x - 1) (x^6 - x^4 + x^3 + x - 1))$$

Sequence: A190026
Score: 4.40882
Type of gen. func.: ogf

$$(25 x^9 + 26 x^8 + 71 x^7 - 154 x^6 - 121 x^5 + 183 x^4 - 70 x^3 + 101 x^2 - 179 x + 112) \Big/ ((x - 1) (x^6 - x^4 + x^3 + x - 1))$$

Sequence: A190027
Score: 4.43674
Type of gen. func.: ogf

$$(25 x^{10} + 17 x^{8} + 205 x^{7} - 257 x^{6} - 248 x^{5} + 349 x^{4} - 191 x^{3} + 228 x^{2} - 377 x + 228) / ((x - 1) (x^{6} - x^{4} + x^{3} + x - 1))$$

Sequence: A190028
Score: 4.18157
Type of gen. func.: ogf

$$(81 x^{11} - 28 x^{9} + 9 x^{8} + 380 x^{7} - 452 x^{6} - 407 x^{5} + 611 x^{4} - 350 x^{3} + 379 x^{2} - 675 x + 415) / ((x - 1) (x^{6} - x^{4} + x^{3} + x - 1))$$

Sequence: A190029
Score: 3.96702
Type of gen. func.: ogf

$$(169 x^{12} - 96 x^{10} - 12 x^{9} + 121 x^{8} + 405 x^{7} - 649 x^{6} - 628 x^{5} + 1037 x^{4} - 527 x^{3} + 508 x^{2} - 997 x + 616) / ((x - 1) (x^{6} - x^{4} + x^{3} + x - 1))$$

Sequence: A190030
Score: 3.83978
Type of gen. func.: ogf

$$(225 x^{13} - 60 x^{11} - 96 x^{10} + 56 x^{9} + 69 x^{8} + 601 x^{7} - 981 x^{6} - 760 x^{5} + 1525 x^{4} - 775 x^{3} + 720 x^{2} - 1465 x + 880) / ((x - 1) (x^{6} - x^{4} + x^{3} + x - 1))$$

Sequence: A190035
Score: 14.4980
Type of gen. func.: ogf

$$\frac{x^{3} + x^{2} - 3 x + 5}{(x - 1)^{2}}$$

Sequence: A190035
Score: 22.8421
Type of gen. func.: lgdogf

$$\frac{x^3 - 3x^2 + x - 7}{(x - 1)(x^3 + x^2 - 3x + 5)}$$

Sequence: A190035
Score: 7.62394
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) + a(n + 2), a(0) = 5, a(1) = 7, a(2) = 10, a(3) = 14\}$$

Sequence: A190035
Score: 8.26522
Type of gen. func.: ogf

$$-(20 f(x) - 63) (f(x) x^2 - x^3 - 2 f(x) x - x^2 + f(x) + 3x - 5)$$

Sequence: A190036
Score: 10.8724
Type of gen. func.: ogf

$$\frac{x^5 - 2x^3 - 3x^2 + 9x - 7}{(x - 1)^3}$$

Sequence: A190036
Score: 14.4127
Type of gen. func.: lgdogf

$$\frac{2x^5 - 5x^4 + 9x^2 - 12x + 12}{(x - 1)(x^5 - 2x^3 - 3x^2 + 9x - 7)}$$

Sequence: A190037
Score: 12.6011
Type of gen. func.: ogf

$$\frac{2 x^{5} + 3 x^{4} + 3 x^{3} - 4 x + 8}{(x - 1)^{2}}$$

Sequence: A190037
Score: 13.1288
Type of gen. func.: lgdogf

$$\frac{6 x^{5} - 4 x^{4} - 9 x^{3} - 9 x^{2} + 4 x - 12}{(x - 1) (2 x^{5} + 3 x^{4} + 3 x^{3} - 4 x + 8)}$$

Sequence: A190038
Score: 7.88031
Type of gen. func.: ogf

$$\frac{x^{7} + x^{6} - 2 x^{5} - 3 x^{4} - x^{3} - 6 x^{2} + 12 x - 10}{(x - 1)^{3}}$$

Sequence: A190038
Score: 8.56298
Type of gen. func.: lgdogf

$$\frac{4 x^{7} - 4 x^{6} - 10 x^{5} + 7 x^{4} + 12 x^{3} + 9 x^{2} - 12 x + 18}{(x - 1) (x^{7} + x^{6} - 2 x^{5} - 3 x^{4} - x^{3} - 6 x^{2} + 12 x - 10)}$$

Sequence: A190039
Score: 9.85513
Type of gen. func.: lgdogf

$$\frac{12 x^{6} - 3 x^{5} - 19 x^{4} - 8 x^{3} - 12 x^{2} + 7 x - 17}{(x - 1) (3 x^{6} + 5 x^{5} + 3 x^{4} + 4 x^{3} - x^{2} - 5 x + 11)}$$

Sequence: A190039
Score: 9.92607
Type of gen. func.: ogf

$$\frac{3 x^6 + 5 x^5 + 3 x^4 + 4 x^3 - x^2 - 5 x + 11}{(x - 1)^2}$$

Sequence: A190040
Score: 6.57207
Type of gen. func.: ogf

$$\frac{3 x^9 + x^8 - 6 x^7 - 2 x^5 + 2 x^4 - 3 x^3 + 22 x^2 - 28 x + 13}{(x - 1)^4}$$

Sequence: A190042
Score: 5.26373
Type of gen. func.: ogf

$$\frac{3 x^9 + 9 x^8 + 26 x^7 + 46 x^6 + 66 x^5 + 66 x^4 + 54 x^3 + 30 x^2 + 12 x + 2}{(x^2 + 1) (x^2 + x + 1)^2 (x + 1)^2 (x - 1)^2}$$

Sequence: A190048
Score: 11.0534
Type of gen. func.: ogf

$$- \frac{2 (3 x + 4)}{(x - 1)^5}$$

Sequence: A190048
Score: 32.1024
Type of gen. func.: lgdogf

$$- \frac{23 + 12 x}{}$$

$$(3 x + 4) (x - 1)$$

Sequence: A190048
Score: 5.03071
Type of gen. func.: ogf

{(-4 n - 12) a(n + 3) + (25 + n) a(n + 2) + (15 + 3 n) a(n + 1), a(0) = 8,

a(1) = 46, a(2) = 150}

Sequence: A190049
Score: 16.5709
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^2 + 31 x + 30)}{(x - 1) (x^2 + 12 x + 8)}$$

Sequence: A190049
Score: 6.96060
Type of gen. func.: ogf

$$\frac{2 (x^2 + 12 x + 8)}{(x - 1)^6}$$

Sequence: A190050
Score: 14.0676
Type of gen. func.: lgdogf

$$\frac{3 x^2 - 4 x + 2}{(x - 1) (2 x - 1) (3 x^2 - 3 x + 1)}$$

Sequence: A190050
Score: 4.40265
Type of gen. func.: ogf

{a(n + 4) - 6 a(n + 3) + 12 a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 6,

$a(3) = 17\}$

Sequence: A190050
Score: 4.7577
Type of gen. func.: ogf

$$-(f(x) + 3) (8 f(x) x^{3} - 12 f(x) x^{2} - 3 x^{3} + 6 f(x) x + 6 x^{2} - f(x) - 4 x + 1)$$

Sequence: A190050
Score: 8.42793
Type of gen. func.: ogf

$$\frac{(x - 1) (3 x^{2} - 3 x + 1)}{(2 x - 1)^{3}}$$

Sequence: A190051
Score: 4.13118
Type of gen. func.: ogf

$$\{(-2 n^{2} - 14 n) a(n) + (3 n^{2} + 21 n + 24) a(n + 1) + (-n^{2} - 5 n - 6) a(n + 2),$$

$$a(0) = 1, a(1) = 3\}$$

Sequence: A190051
Score: 5.74610
Type of gen. func.: ogf

$$\frac{(x - 1) (10 x^{4} - 20 x^{3} + 16 x^{2} - 6 x + 1)}{(2 x - 1)^{5}}$$

Sequence: A190051
Score: 8.59776
Type of gen. func.: lgdogf

$$\frac{10 x^{4} - 24 x^{3} + 24 x^{2} - 12 x + 3}{{}^{4} \qquad {}^{3} \qquad {}^{2}}$$

$$(x - 1) (2 x - 1) (10 x - 20 x + 16 x - 6 x + 1)$$

Sequence: A190062
Score: 13.2996
Type of gen. func.: lgdogf

$$-\frac{(x^2 - x + 1) (6 x^2 - 4 x - 1)}{(x - 1) (2 x^2 - 2 x + 1) (x^2 + x - 1)}$$

Sequence: A190062
Score: 8.99811
Type of gen. func.: ogf

$$-\frac{x (2 x^2 - 2 x + 1)}{(x - 1) (x^2 + x - 1)^2}$$

Sequence: A190089
Score: 13.0243
Type of gen. func.: lgdogf

$$-\frac{(x - 2) (x^3 + 4 x^2 + 2 x + 2)}{(x^2 + x - 1) (x^3 + 2 x^2 + 5 x - 1)}$$

Sequence: A190089
Score: 13.5615
Type of gen. func.: ogf

$$\frac{x^2 + x - 1}{x^3 + 2 x^2 + 5 x - 1}$$

Sequence: A190089
Score: 7.32081
Type of gen. func.: ogf

$$(53 f(x) - 20) (f(x) x^3 + 2 f(x) x^2 + 5 f(x) x - x^2 - f(x) - x + 1)$$

Sequence: A190089
Score: 7.32081
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) + 2 a(n + 1) + a(n), a(0) = 1, a(1) = 4, a(2) = 21\}$$

Sequence: A190090
Score: 10.6267
Type of gen. func.: ogf

$$\frac{x^4 + x - 1}{(x^3 - 3 x^2 + 4 x - 1) (x^3 + 3 x^2 + 2 x + 1)}$$

Sequence: A190090
Score: 7.40678
Type of gen. func.: lgdogf

$$- \frac{2 x^9 - x^6 - 10 x^5 - 15 x^4 + 28 x^3 - 16 x^2 - 4 x - 1}{(x^3 - 3 x^2 + 4 x - 1) (x^4 + x - 1) (x^3 + 3 x^2 + 2 x + 1)}$$

Sequence: A190091
Score: 12.5979
Type of gen. func.: ogf

$$\frac{x^3 + 2 x^2 - 2 x - 2}{(x + 1) (x - 1)^3}$$

Sequence: A190091
Score: 16.0959
Type of gen. func.: lgdogf

$$- \frac{x^4 + 6 x^3 + x^2 - 8 x - 6}{}$$

$$(x - 1) (x + 1) (x^3 + 2 x^2 - 2 x - 2)$$

Sequence: A190091
Score: 6.95405
Type of gen. func.: ogf

$$-(2 f(x) - 113) (f(x) x^4 - 2 f(x) x^3 - x^3 + 2 f(x) x - 2 x^2 - f(x) + 2 x + 2)$$

Sequence: A190092
Score: 9.03484
Type of gen. func.: ogf

$$\frac{2 x^{10} - 2 x^8 + 5 x^4 + 2 x^3 - 2 x^2 - 4 x - 3}{(x + 1) (x - 1)^3}$$

Sequence: A190093
Score: 6.82674
Type of gen. func.: ogf

$$\frac{4 x^{10} + 2 x^9 - 4 x^8 - 2 x^7 + 5 x^5 + 10 x^4 - 2 x^3 - 6 x^2 - 7 x - 4}{(x + 1) (x - 1)^3}$$

Sequence: A190099
Score: 3.89917
Type of gen. func.: ogf

$$- \frac{8 x (x^4 + 2 x^3 + 2 x^2 + 2 x + 2) (2 x^4 + 2 x^3 + 2 x^2 + 2 x + 1)}{(x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x + 1)^3 (x - 1)^5}$$

Sequence: A190139
Score: 13.1167
Type of gen. func.: ogf

$$\frac{x - 1}{}$$

$$x^4 + x^3 + x^2 + 2 x - 1$$

Sequence: A190139
Score: 14.8374
Type of gen. func.: lgdogf

$$-\frac{3 x^4 - 2 x^3 - 2 x^2 - 2 x - 1}{(x - 1) (x^4 + x^3 + x^2 + 2 x - 1)}$$

Sequence: A190139
Score: 6.40095
Type of gen. func.: ogf

$$-(3 f(x) - 1) (f(x) x^4 + f(x) x^3 + f(x) x^2 + 2 f(x) x - f(x) - x + 1)$$

Sequence: A190140
Score: 18.2327
Type of gen. func.: ogf

$$-\frac{1}{3 x^3 + x^2 + 2 x - 1}$$

Sequence: A190140
Score: 22.9397
Type of gen. func.: lgdogf

$$-\frac{9 x^2 + 2 x + 2}{3 x^3 + x^2 + 2 x - 1}$$

Sequence: A190140
Score: 6.67447
Type of gen. func.: ogf

{-a(n + 3) + 2 a(n + 2) + a(n + 1) + 3 a(n), a(0) = 1, a(1) = 2, a(2) = 5}

Sequence: A190140
Score: 7.32882
Type of gen. func.: ogf

$$(166 f(x) - 81) (3 f(x) x^3 + f(x) x^2 + 2 f(x) x - f(x) + 1)$$

Sequence: A190153
Score: 12.7786
Type of gen. func.: ogf

$$\frac{3 x - 1}{x^3 + 2 x^2 + 5 x - 1}$$

Sequence: A190153
Score: 15.1074
Type of gen. func.: lgdogf

$$- \frac{(2 x + 1) (3 x^2 - 2)}{(3 x - 1) (x^3 + 2 x^2 + 5 x - 1)}$$

Sequence: A190153
Score: 5.99350
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) - 2 a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 12\}$$

Sequence: A190153
Score: 6.3296
Type of gen. func.: ogf

$$(205 f(x) - 191) (f(x) x^3 + 2 f(x) x^2 + 5 f(x) x - f(x) - 3 x + 1)$$

Sequence: A190154
Score: 8.36394
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 - 2x^2 - x + 1}{(x^3 - 3x^2 + 4x - 1)(x^3 + 3x^2 + 2x + 1)}$$

Sequence: A190156
Score: 7.86884
Type of gen. func.: ogf

$$2 f(x)^2 x^4 + f(x)^2 x^3 + 3 f(x) x^2 + f(x) x - f(x) + 1$$

Sequence: A190159
Score: 4.5106
Type of gen. func.: ogf

$$(f(x) - 1) (2 f(x)^2 x^5 - f(x)^2 x^4 - f(x)^2 x^3 + f(x) x^4 + f(x)^2 x^2 + f(x) x^3 - 4 f(x) x^2 + 3 f(x) x + x^2 - f(x) - 2 x + 1)$$

Sequence: A190162
Score: 4.90624
Type of gen. func.: ogf

$$f(x)^2 x^4 - 2 f(x)^2 x^3 - f(x) x^4 + f(x)^2 x^2 + 3 f(x) x^3 - 2 f(x) x^2 - x^3 + 2 f(x) x - f(x) - x + 1$$

Sequence: A190165
Score: 6.28451
Type of gen. func.: ogf

$$f(x)^2 x^4 - f(x) x^4 + f(x)^2 x^2 + f(x) x^3 - 2 f(x) x^2 + f(x) x + x^2 - f(x) - x + 1$$

Sequence: A190166
Score: 13.0528
Type of gen. func.: lgdogf

$$-\frac{2\,(2x^5-5x^4+2x^3-3x^2+2x-1)}{(x^2+x+1)\,(x^2-3x+1)\,(x^2-x+1)}$$

Sequence: A190168
Score: 5.34367
Type of gen. func.: ogf

$$f(x)^2\,x^4 - f(x)^2\,x^3 - f(x)\,x^4 + f(x)^2\,x^2 + f(x)\,x^3 - 2\,f(x)\,x^2 + f(x)\,x + x^2$$
$$- f(x) + 1$$

Sequence: A190173
Score: 8.59644
Type of gen. func.: lgdogf

$$-\frac{4x^7-11x^6-6x^5+28x^4+4x^3-16x^2-6x+5}{(x-1)\,(x+1)\,(x^2-3x+1)\,(x^2+x-1)\,(x^2-x-1)}$$

Sequence: A190173
Score: 8.90427
Type of gen. func.: ogf

$$-\frac{x\,(x^2-x-1)}{(x-1)\,(x+1)\,(x^2-3x+1)\,(x^2+x-1)}$$

Sequence: A190176
Score: 10.1963
Type of gen. func.: lgdogf

$$-\frac{9x^4-22x^3+90x^2-6x+49}{(x-1)\,(9x^4-29x^3+59x^2-31x+16)}$$

Sequence: A190176
Score: 6.69798

Type of gen. func.: ogf

$$-\frac{2\,(9\,x^{4}-29\,x^{3}+59\,x^{2}-31\,x+16)}{(x-1)^{5}}$$

Sequence: A190214
Score: 10.4955
Type of gen. func.: ogf

$$\frac{x-1}{x^{6}+3\,x^{5}+4\,x^{4}+3\,x^{3}+2\,x^{2}+2\,x-1}$$

Sequence: A190217
Score: 3.95501
Type of gen. func.: ogf

$$-\frac{81\,x^{11}-81\,x^{10}-1111111111111111000\,x^{9}+9\,x+1}{(99\,x^{10}+1111111111111111001\,x^{9}-9\,x-1)\,(x-1)^{2}}$$

Sequence: A190254
Score: 12.5104
Type of gen. func.: revogf

$$\frac{-1-3\,x-3\,x^{2}+(13\,x^{4}+22\,x^{3}+15\,x^{2}+6\,x+1)^{1/2}}{2\,x^{2}}$$

Sequence: A190254
Score: 7.64653
Type of gen. func.: ogf

$$-f(x)^{2}\,x^{3}-3\,f(x)^{2}\,x^{2}+f(x)^{2}\,x-3\,f(x)\,x+f(x)-1$$

Sequence: A190255
Score: 7.79795

Type of gen. func.: ogf

$$-f(x)^2 x^4 - 2 f(x)^2 x^3 - 2 f(x) x^2 - f(x) x + f(x) - 1$$

Sequence: A190277
Score: 4.22806
Type of gen. func.: ogf

$$(45 f(x) - 32)$$

$$(2 f(x) x^4 + 3 f(x) x^3 - f(x) x^2 - 3 f(x) x + 2 x^2 + f(x) + 2 x - 1)$$

Sequence: A190277
Score: 7.61753
Type of gen. func.: lgdogf

$$- \frac{8 x^5 + 18 x^4 + 4 x^3 - 5 x^2 - 2 x + 1}{(2 x^2 + 2 x - 1) (2 x^4 + 3 x^3 - x^2 - 3 x + 1)}$$

Sequence: A190277
Score: 8.02720
Type of gen. func.: ogf

$$- \frac{2 x^2 + 2 x - 1}{2 x^4 + 3 x^3 - x^2 - 3 x + 1}$$

Sequence: A190322
Score: 11.1142
Type of gen. func.: lgdogf

$$- \frac{15 x^5 - x^4 - 17 x^3 + 25 x^2 - 25 x - 9}{(x - 1) (x^2 + x + 1) (15 x^3 - 8 x^2 - 8 x - 1)}$$

Sequence: A190322
Score: 11.6712

Type of gen. func.: ogf

$$-\frac{15 x^3 - 8 x^2 - 8 x - 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A190322
Score: 4.89211
Type of gen. func.: ogf

$$\{(-2 n - 31) a(n + 1) - 2 a(n + 2) - 2 a(n + 3) + (2 n + 29) a(n + 4), a(0) = 1, a(1) = 9, a(2) = 17, a(3) = 3\}$$

Sequence: A190322
Score: 6.18926
Type of gen. func.: ogf

$$-(4840 f(x) + 314257)$$

$$(f(x) x^4 - f(x) x^3 + 15 x^3 - f(x) x - 8 x^2 + f(x) - 8 x - 1)$$

Sequence: A190326
Score: 10.2157
Type of gen. func.: ogf

$$\frac{11 x^4 + 11 x^3 + 10 x^2 + 11 x + 10}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A190331
Score: 11.8927
Type of gen. func.: ogf

$$-2 f(x) x^2 - 8 f(x) x + f(x) - x$$

Sequence: A190331
Score: 18.9639
Type of gen. func.: ogf

$$-\frac{x}{2 x^{2} + 8 x - 1}$$

Sequence: A190331
Score: 31.4724
Type of gen. func.: lgdogf

$$-\frac{4 (x + 2)}{2 x^{2} + 8 x - 1}$$

Sequence: A190331
Score: 8.66254
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A190360
Score: 11.2059
Type of gen. func.: ogf

$$-\frac{x^{4} - x - 1}{x^{5} - x^{2} - 2 x + 1}$$

Sequence: A190360
Score: 11.5533
Type of gen. func.: lgdogf

$$-\frac{x^{8} - 2 x^{5} + x^{4} - 4 x^{3} + x^{2} + 2 x + 3}{(x^{4} - x - 1) (x^{5} - x^{2} - 2 x + 1)}$$

Sequence: A190395
Score: 5.07520
Type of gen. func.: ogf

5   4   3   2

$$-\frac{4x(3x - 7x + 4x + 17x + 12x + 1)}{(x-1)^7}$$

Sequence: A190395
Score: 8.43869
Type of gen. func.: lgdogf

$$-\frac{6x^5 - 6x^4 - 12x^3 + 97x^2 + 106x + 19}{(x-1)(3x^5 - 7x^4 + 4x^3 + 17x^2 + 12x + 1)}$$

Sequence: A190396
Score: 3.27841
Type of gen. func.: ogf

$$-x(2x^9 - 22x^8 + 50x^7 + 78x^6 - 89x^5 - 245x^4 + 1224x^3 + 612x^2 + 69x + 1) / (x-1)^9$$

Sequence: A190398
Score: 4.39851
Type of gen. func.: ogf

$$-\frac{4x(3x^8 - 17x^7 + 37x^6 - 35x^5 + 11x^4 + 19x^2 + 11x + 1)}{(x-1)^7}$$

Sequence: A190413
Score: 10.1216
Type of gen. func.: ogf

$$\frac{8x^{19} + 75x^6 + 104x^4 + 1056x^2 - 1244x - 1}{x-1}$$

Sequence: A190414
Score: 5.00857
Type of gen. func.: ogf

$$(152 x^{20} - 160 x^{19} + 450 x^{7} - 525 x^{6} + 416 x^{5} - 520 x^{4} + 2112 x^{3} - 4412 x^{2} + 2488 x + 1) \Big/ (x - 1)^{2}$$

Sequence: A190441
Score: 11.746
Type of gen. func.: ogf

$$-39 f(x) x^{2} - 4 f(x) x + f(x) - x$$

Sequence: A190441
Score: 18.5462
Type of gen. func.: ogf

$$-\frac{x}{39 x^{2} + 4 x - 1}$$

Sequence: A190441
Score: 26.7494
Type of gen. func.: lgdogf

$$-\frac{2 (2 + 39 x)}{39 x^{2} + 4 x - 1}$$

Sequence: A190441
Score: 8.59460
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 39 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A190444
Score: 4.56616
Type of gen. func.: egf]

$$\{(-n - 5)\, a(n + 5) + a(n + 4) + 2\, a(n + 3) + 4\, a(n + 1),\ a(0) = 1,\ a(1) = 1,\ a(2) = 3/2,\ a(3) = 7/6,\ a(4) = \frac{49}{24}\}$$

Sequence: A190452
Score: 4.24887
Type of gen. func.: egf]

$$\{(6 n + 30)\, a(n + 5) - 6\, a(n + 4) - 6\, a(n + 3) - a(n + 1),\ a(0) = 1,\ a(1) = 1,\ a(2) = 1,\ a(3) = 2/3,\ a(4) = \frac{11}{24}\}$$

Sequence: A190481
Score: 4.02085
Type of gen. func.: ogf

$$-\frac{9 x^9 + 32 x^8 + 45 x^7 + 81 x^6 + 34 x^5 + 58 x^4 + 29 x^3 - 23 x^2 - 18 x - 4}{(x + 1) (19 x^2 - 1) (x^3 + x^2 + 2 x + 1) (x^3 - x^2 + 2 x - 1)}$$

Sequence: A190482
Score: 7.72243
Type of gen. func.: ogf

$$-\frac{x^7 - x^5 + x^3 + x^2 + 4 x - 7}{(x - 1)^2}$$

Sequence: A190482
Score: 8.04137
Type of gen. func.: lgdogf

$$\frac{5 x^7 - 7 x^6 - 3 x^5 + 5 x^4 + x^3 - 3 x^2 - 6 x + 10}{(x - 1) (x^7 - x^5 + x^3 + x^2 + 4 x - 7)}$$

Sequence: A190510
Score: 11.9974
Type of gen. func.: ogf

$$-4 f(x) x^2 - 8 f(x) x + f(x) - x$$

Sequence: A190510
Score: 19.1310
Type of gen. func.: ogf

$$-\frac{x}{4 x^2 + 8 x - 1}$$

Sequence: A190510
Score: 31.7534
Type of gen. func.: lgdogf

$$-\frac{8 (x + 1)}{4 x^2 + 8 x - 1}$$

Sequence: A190510
Score: 8.73886
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A190512
Score: 14.7171
Type of gen. func.: ogf

$$-\frac{x^2 + 1}{x^3 + 2 x - 1}$$

Sequence: A190512
Score: 19.6501
Type of gen. func.: lgdogf

$$-\frac{x^{4}+x^{2}+2\,x+2}{(x^{2}+1)\,(x^{3}+2\,x-1)}$$

Sequence: A190512
Score: 7.67168
Type of gen. func.: ogf

$$\{a(n+3)-2\,a(n+2)-a(n),\ a(0)=1,\ a(1)=2,\ a(2)=5\}$$

Sequence: A190512
Score: 8.64487
Type of gen. func.: ogf

$$(7\,f(x)-4)\,(f(x)\,x^{3}+2\,f(x)\,x+x^{2}-f(x)+1)$$

Sequence: A190525
Score: 10.0092
Type of gen. func.: lgdogf

$$-\frac{x^{6}-2\,x^{5}+3\,x^{4}-2\,x^{3}+3\,x^{2}+3}{(x+1)\,(x^{3}-x^{2}+x+1)\,(x^{3}-2\,x^{2}+3\,x-1)}$$

Sequence: A190525
Score: 5.1385
Type of gen. func.: ogf

$$(19\,f(x)-10)\,(f(x)\,x^{4}-f(x)\,x^{3}+f(x)\,x^{2}+x^{3}+2\,f(x)\,x-x^{2}-f(x)+x+1)$$

Sequence: A190525
Score: 9.27600
Type of gen. func.: ogf

$$-\frac{x^{3}-x^{2}+x+1}{^{3}\qquad^{2}}$$

$$(x + 1) (x - 2 x + 3 x - 1)$$

Sequence: A190528
Score: 8.88563
Type of gen. func.: lgdogf

$$-\frac{x^8 - 2 x^7 + x^6 + 2 x^5 - 3 x^4 + 4 x^3 - 2 x^2 + 2 x + 3}{(x^4 - x^3 + x + 1) (x^5 - x^4 + x^2 + 2 x - 1)}$$

Sequence: A190528
Score: 9.40852
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 + x + 1}{x^5 - x^4 + x^2 + 2 x - 1}$$

Sequence: A190531
Score: 5.07295
Type of gen. func.: ogf

$$-\frac{68 x^5 - 153 x^4 + 145 x^3 - 73 x^2 + 19 x - 2}{(x - 1)^2 (3 x - 1)^2 (2 x - 1)^2}$$

Sequence: A190540
Score: 15.2152
Type of gen. func.: ogf

$$\frac{5 x}{(7 x - 1) (2 x - 1)}$$

Sequence: A190540
Score: 21.8919
Type of gen. func.: lgdogf

$$-\frac{-9 + 28 x}{}$$

$$(7 x - 1) (2 x - 1)$$

Sequence: A190540
Score: 7.05093
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) + 14 a(n), a(0) = 0, a(1) = 5\}$$

Sequence: A190540
Score: 9.63627
Type of gen. func.: ogf

$$-14 f(x) x^2 + 9 f(x) x - f(x) + 5 x$$

Sequence: A190541
Score: 14.8250
Type of gen. func.: ogf

$$\frac{4 x}{(7 x - 1) (3 x - 1)}$$

Sequence: A190541
Score: 20.3282
Type of gen. func.: lgdogf

$$- \frac{2 (21 x - 5)}{(7 x - 1) (3 x - 1)}$$

Sequence: A190541
Score: 6.96598
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 21 a(n), a(0) = 0, a(1) = 4\}$$

Sequence: A190541
Score: 9.4783
Type of gen. func.: ogf

$$-21 f(x) x^2 + 10 f(x) x - f(x) + 4 x$$

Sequence: A190542
Score: 14.8250
Type of gen. func.: ogf

$$\frac{3 x}{(7 x - 1) (4 x - 1)}$$

Sequence: A190542
Score: 21.0811
Type of gen. func.: lgdogf

$$- \frac{-11 + 56 x}{(7 x - 1) (4 x - 1)}$$

Sequence: A190542
Score: 6.96598
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 28 a(n), a(0) = 0, a(1) = 3\}$$

Sequence: A190542
Score: 9.4783
Type of gen. func.: ogf

$$-28 f(x) x^2 + 11 f(x) x - f(x) + 3 x$$

Sequence: A190543
Score: 10.0185
Type of gen. func.: ogf

$$-24 f(x) x^2 + 11 f(x) x - f(x) + 5 x$$

Sequence: A190543
Score: 15.6700
Type of gen. func.: ogf

$$\frac{5 x}{(8 x - 1) (3 x - 1)}$$

Sequence: A190543
Score: 22.3015
Type of gen. func.: lgdogf

$$- \frac{-11 + 48 x}{(8 x - 1) (3 x - 1)}$$

Sequence: A190543
Score: 7.36300
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 24 a(n), a(0) = 0, a(1) = 5\}$$

Sequence: A190560
Score: 12.1022
Type of gen. func.: ogf

$$-6 f(x) x^2 - 8 f(x) x + f(x) - x$$

Sequence: A190560
Score: 19.2981
Type of gen. func.: ogf

$$- \frac{x}{6 x^2 + 8 x - 1}$$

Sequence: A190560
Score: 29.3649
Type of gen. func.: lgdogf

$$- \frac{4 (2 + 3 x)}{6 x^2 + 8 x - 1}$$

Sequence: A190560
Score: 8.81519
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) + 6 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A190567
Score: 12.5649
Type of gen. func.: ogf

$$-\frac{311 x^4 + x^3 + 76 x^2 + x + 311}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A190567
Score: 8.22004
Type of gen. func.: ogf

$$(58981 f(x) - 17320250) (f(x) x^4 + 311 x^4 + x^3 + 76 x^2 - f(x) + x + 311)$$

Sequence: A190567
Score: 9.58203
Type of gen. func.: lgdogf

$$-\frac{x^6 + 152 x^5 + 3 x^4 + 2488 x^3 + 3 x^2 + 152 x + 1}{(x - 1) (x + 1) (x^2 + 1) (311 x^4 + x^3 + 76 x^2 + x + 311)}$$

Sequence: A190569
Score: 11.8176
Type of gen. func.: ogf

$$-\frac{2 x^2 + x + 1}{(2 x - 1) (x^2 + 1)}$$

Sequence: A190569
Score: 13.5964
Type of gen. func.: lgdogf

$$-\frac{4 x^{4} + 4 x^{3} + x^{2} + 2 x + 3}{(2 x - 1) (x^{2} + 1) (2 x^{2} + x + 1)}$$

Sequence: A190569
Score: 6.43638
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1) + 2 a(n), a(0) = 1, a(1) = 3, a(2) = 7\}$$

Sequence: A190569
Score: 6.61501
Type of gen. func.: ogf

$$(4 f(x) - 3) (2 f(x) x^{3} - f(x) x^{2} + 2 f(x) x + 2 x^{2} - f(x) - x + 1)$$

Sequence: A190570
Score: 5.0149
Type of gen. func.: ogf

$$(6 f(x) + 5)$$

$$(2 f(x) x^{4} - 2 f(x) x^{3} + f(x) x^{2} + 2 x^{3} + 2 f(x) x - 2 x^{2} - f(x) + x + 1)$$

Sequence: A190570
Score: 8.41797
Type of gen. func.: lgdogf

$$-\frac{4 x^{6} - 8 x^{5} + 8 x^{4} - 4 x^{3} + 5 x^{2} - 2 x + 3}{(2 x^{3} - 2 x^{2} + x + 1) (2 x^{4} - 2 x^{3} + x^{2} + 2 x - 1)}$$

Sequence: A190570
Score: 8.92262
Type of gen. func.: ogf

$$-\frac{2x^3-2x^2+x+1}{2x^4-2x^3+x^2+2x-1}$$

Sequence: A190571
Score: 7.65270
Type of gen. func.: lgdogf

$$-\frac{4x^8-8x^7+4x^6+4x^5-6x^4+8x^3-5x^2+2x+3}{(2x^4-2x^3+x+1)(2x^5-2x^4+x^2+2x-1)}$$

Sequence: A190571
Score: 9.32017
Type of gen. func.: ogf

$$-\frac{2x^4-2x^3+x+1}{2x^5-2x^4+x^2+2x-1}$$

Sequence: A190576
Score: 12.1763
Type of gen. func.: ogf

$$\frac{5x^2-6x-1}{(x-1)^3}$$

Sequence: A190576
Score: 20.7840
Type of gen. func.: lgdogf

$$-\frac{5x^2-2x-9}{(x-1)(5x^2-6x-1)}$$

Sequence: A190576
Score: 6.40307
Type of gen. func.: ogf

$$(132 f(x) - 4847) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 5 x^2 - f(x) + 6 x + 1)$$

Sequence: A190576
Score: 6.57306
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 9, a(2) = 19\}$$

Sequence: A190577
Score: 12.1751
Type of gen. func.: lgdogf

$$-\frac{2 (5 x^3 - 30 x^2 + 69 x - 64)}{(x - 1) (5 x^3 - 25 x^2 + 47 x - 35)}$$

Sequence: A190577
Score: 5.55580
Type of gen. func.: ogf

$$\{(-10 - n) a(n + 1) + (n + 2) a(n + 3), a(0) = 105, a(1) = 384, a(2) = 945\}$$

Sequence: A190577
Score: 7.34800
Type of gen. func.: ogf

$$\frac{3 (5 x^3 - 25 x^2 + 47 x - 35)}{(x - 1)^5}$$

Sequence: A190578
Score: 4.31953
Type of gen. func.: ogf

$$2 x (x^6 + 57 x^5 + 603 x^4 + 1198 x^3 + 603 x^2 + 57 x + 1)$$

$$\frac{}{(x - 1)^{8}}$$

Sequence: A190582
Score: 5.03253
Type of gen. func.: ogf

$$\frac{6 x^{22} - 6 x^{21} + 6 x^{16} - 6 x^{15} + 6 x^{10} - 6 x^{9} + 6 x^{4} - 6 x^{3} - 15 x + 16}{(x - 1)^{2}}$$

Sequence: A190587
Score: 5.01563
Type of gen. func.: ogf

$$2 f(x)^{2} x^{4} + 2 f(x) x^{4} + 2 f(x)^{2} x^{2} + 2 f(x) x^{3} - f(x)^{2} x - 2 f(x) x^{2} + 2 x^{3}$$
$$+ 6 f(x) x - 2 f(x) - x + 2$$

Sequence: A190590
Score: 57.3212
Type of gen. func.: revogf

$$\frac{x}{2 x^{4} + x + 1}$$

Sequence: A190621
Score: 10.6353
Type of gen. func.: lgdogf

$$- \frac{2 (x^{9} + 3 x^{8} + 6 x^{7} + 12 x^{5} + 12 x^{4} + 10 x^{3} + 3 x + 1)}{(x - 1) (x + 1) (x^{2} + 1) (x^{6} + 2 x^{5} + 3 x^{4} + 3 x^{2} + 2 x + 1)}$$

Sequence: A190621
Score: 11.1910
Type of gen. func.: ogf

$$\frac{x (x^6 + 2 x^5 + 3 x^4 + 3 x^2 + 2 x + 1)}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A190623
Score: 5.25598
Type of gen. func.: ogf

$$(x^6 + 4 x^5 + 15 x^4 + 20 x^3 + 15 x^2 + 4 x + 1) (x^8 + 2 x^7 + 4 x^6 - 2 x^5 + 14 x^4 - 2 x^3 + 4 x^2 + 2 x + 1) / ((x - 1)^4 (x + 1)^4 (x^2 + 1)^4)$$

Sequence: A190636
Score: 5.29128
Type of gen. func.: ogf

$$\frac{x^6 + 90 x^5 + 891 x^4 + 1816 x^3 + 891 x^2 + 90 x + 1}{(x - 1)^8}$$

Sequence: A190651
Score: 5.39436
Type of gen. func.: ogf

$$- (1899 x^{12} - x^{11} - 2 x^{10} - 3 x^9 - 2 x^8 - 3 x^7 - x^6 - 2 x^5 - 3 x^4 - x^3 - 5 x^2 - 2 x - 1902) / ((x + 1) (x^4 - x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2)$$

Sequence: A190652
Score: 5.39436
Type of gen. func.: ogf

$$- (1895 x^{12} - x^{11} - 2 x^{10} - 2 x^9 - x^8 - 5 x^7 - x^6 - 3 x^5 - x^4 - x^3 - x^2 - 4 x$$

$$- 1901) \Big/ \left((x + 1) (x^4 - x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2\right)$$

Sequence: A190667
Score: 11.5975
Type of gen. func.: ogf

$$- \frac{2 x + 1}{x^4 + 2 x^3 + 2 x^2 + x - 1}$$

Sequence: A190667
Score: 11.9628
Type of gen. func.: lgdogf

$$- \frac{6 x^4 + 12 x^3 + 10 x^2 + 4 x + 3}{(2 x + 1) (x^4 + 2 x^3 + 2 x^2 + x - 1)}$$

Sequence: A190667
Score: 5.65959
Type of gen. func.: ogf

$$(342 f(x) + 925) (f(x) x^4 + 2 f(x) x^3 + 2 f(x) x^2 + f(x) x - f(x) + 2 x + 1)$$

Sequence: A190669
Score: 5.30283
Type of gen. func.: ogf

$$- (x^{28} - x^{27} + x^{26} - x^{24} + x^{22} - x^{20} + x^{18} - x^{16} + x^{14} - x^{13} + x^{11} - x^9 + x^7 - x^5 + x^3 - x + 1) \Big/ \left((x - 1) (x^4 + 1) (x^{24} - x^{20} + x^{16} - x^{12} + x^8 - x^4 + 1)\right)$$

Sequence: A190705
Score: 17.8769
Type of gen. func.: lgdogf

$$-\frac{2\,(x^2+13\,x+10)}{(x-1)\,(x^2+8\,x+3)}$$

Sequence: A190705
Score: 4.14844
Type of gen. func.: ogf

$$-(88524\,f(x)+2040421)$$

$$(f(x)\,x^4-4\,f(x)\,x^3+6\,f(x)\,x^2-6\,x^3-4\,f(x)\,x-48\,x^2+f(x)-18\,x)$$

Sequence: A190705
Score: 8.24157
Type of gen. func.: ogf

$$\frac{6\,x\,(x^2+8\,x+3)}{(x-1)^4}$$

Sequence: A190716
Score: 10.2324
Type of gen. func.: ogf

$$-\frac{3\,x^4-2\,x^3+4\,x^2+2\,x+1}{(x-1)^3\,(x+1)^3}$$

Sequence: A190716
Score: 11.1322
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^5-3\,x^4+14\,x^3+2\,x^2+7\,x+1)}{(x-1)\,(x+1)\,(3\,x^4-2\,x^3+4\,x^2+2\,x+1)}$$

Sequence: A190717
Score: 23.8621
Type of gen. func.: lgdogf

$$-\frac{10 x^2 + x + 1}{(x - 1) (x^2 + x + 1)}$$

Sequence: A190717
Score: 28.1666
Type of gen. func.: ogf_with_Euler_transform]

$$[3 x^2 + 1]$$

Sequence: A190717
Score: 4.28927
Type of gen. func.: ogf

{(-n - 4) a(n + 4) + a(n + 3) + a(n + 2) + (11 + n) a(n + 1), a(0) = 1,

a(1) = 1, a(2) = 1, a(3) = 4}

Sequence: A190717
Score: 9.56391
Type of gen. func.: ogf

$$\frac{1}{(x^2 + x + 1)^3 (x - 1)^4}$$

Sequence: A190718
Score: 18.2611
Type of gen. func.: lgdogf

$$-\frac{13 x^3 + x^2 + x + 1}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A190718
Score: 27.5228
Type of gen. func.: ogf_with_Euler_transform]

$$[3 x^{3} + 1]$$

Sequence: A190718
Score: 9.21956
Type of gen. func.: ogf

$$\frac{1}{(x^{2} + 1)^{3} (x + 1)^{3} (x - 1)^{4}}$$

Sequence: A190719
Score: 8.68165
Type of gen. func.: ogf

$$\frac{x (x^{6} + 3 x^{5} + x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 1)}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A190724
Score: 5.44458
Type of gen. func.: ogf

$$6 f(x)^{2} x^{3} - 37 f(x)^{2} x^{2} + 12 f(x)^{2} x + f(x) x^{2} - f(x)^{2} - 6 f(x) x + f(x) - 2 x$$

Sequence: A190725
Score: 4.63881
Type of gen. func.: ogf

$$-f(x)^{2} x^{4} + 3 f(x)^{2} x^{3} + 16 f(x)^{2} x^{2} + 3 f(x)^{2} x - f(x) x^{2} - f(x)^{2} + 6 f(x) x - f(x) + 2$$

Sequence: A190729
Score: 40.8221
Type of gen. func.: lgdegf]

$$1 + 1/2\, x^2 + 1/6\, x^3$$

Sequence: A190730
Score: 11.0180
Type of gen. func.: ogf

$$- \frac{4\, x^2 + 2\, x - 3}{(2\, x - 1)^2\, (x - 1)^2}$$

Sequence: A190730
Score: 15.0720
Type of gen. func.: lgdogf

$$- \frac{2\, (8\, x^3 + 6\, x^2 - 19\, x + 8)}{(x - 1)\, (2\, x - 1)\, (4\, x^2 + 2\, x - 3)}$$

Sequence: A190730
Score: 5.50898
Type of gen. func.: ogf

$-(807\, f(x) - 316828)$

$$(4\, f(x)\, x^4 - 12\, f(x)\, x^3 + 13\, f(x)\, x^2 - 6\, f(x)\, x + 4\, x^2 + f(x) + 2\, x - 3)$$

Sequence: A190733
Score: 3.78237
Type of gen. func.: ogf

$$\{(-4\, n^2 - 16\, n)\, a(n) + (-8\, n^2 - 38\, n - 30)\, a(n + 1)$$

$$+ (-3\, n^2 - 15\, n - 18)\, a(n + 2) + (n^2 + 7\, n + 12)\, a(n + 3),\ a(0) = 1,$$

$$a(1) = 3,\ a(2) = 5\}$$

Sequence: A190733

Score: 8.92468
Type of gen. func.: ogf

$$-f(x)^2 x^2 - f(x)^2 x + 2 f(x) x - 4 x^2 + f(x) - 4 x - 1$$

Sequence: A190734
Score: 3.10243
Type of gen. func.: ogf

$$32 f(x)^3 x^2 - 256 f(x)^2 x^3 + 59 f(x)^3 x - 600 f(x)^2 x^2 - 4 f(x)^3 - 204 f(x)^2 x + 96 f(x) x^2 + 16 f(x)^2 + 330 f(x) x - 72 x^2 - 21 f(x) - 180 x + 9$$

Sequence: A190736
Score: 5.3575
Type of gen. func.: ogf

$$-f(x)^2 x^3 - 2 f(x)^2 x^2 + f(x)^2 x - 2 f(x) x^2 - f(x)^2 - 5 f(x) x + 4 f(x) - 3$$

Sequence: A190737
Score: 5.28289
Type of gen. func.: ogf

$$-f(x)^2 x^4 - f(x)^2 x^3 + 2 f(x)^2 x^2 - f(x)^2 x - 2 f(x) x^2 - f(x) x + f(x) - 1$$

Sequence: A190785
Score: 8.47789
Type of gen. func.: ogf

$$\frac{x (x^6 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + x + 2)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A190787
Score: 11.9798
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 1), a(0) = 2, a(1) = 8, a(2) = 18\}$$

Sequence: A190787
Score: 12.5713
Type of gen. func.: ogf

$$(1305 f(x) - 562) (4 f(x) x^2 + 10 x^2 - f(x) + 8 x + 2)$$

Sequence: A190787
Score: 13.3984
Type of gen. func.: lgdogf

$$- \frac{-16 x^2 - 18 x - 4}{-20 x^4 - 16 x^3 + x^2 + 4 x + 1}$$

Sequence: A190787
Score: 20.3656
Type of gen. func.: ogf

$$- \frac{2 (5 x^2 + 4 x + 1)}{(2 x + 1) (2 x - 1)}$$

Sequence: A190787
Score: 21.8225
Type of gen. func.: lgdogf

$$- \frac{2 (8 x^2 + 9 x + 2)}{(2 x + 1) (2 x - 1) (5 x^2 + 4 x + 1)}$$

Sequence: A190788
Score: 2.98312
Type of gen. func.: ogf

$$4 f(x)^2 x^4 - 8 f(x)^2 x^3 - 8 f(x) x^4 + 4 f(x)^2 x^2 + 16 f(x) x^3 + 4 x^4$$
$$+ 2 f(x)^2 x - 6 f(x) x^2 - 8 x^3 - f(x)^2 - 4 f(x) x + 3 x^2 + 2 f(x) + 2 x$$

$$-1$$

Sequence: A190798
Score: 11.3630
Type of gen. func.: lgdogf

$$-\frac{4 x^{5} + 8 x^{4} + 10 x^{3} + 16 x^{2} + 6 x + 4}{x^{6} + x^{5} + x^{4} - x^{2} - x - 1}$$

Sequence: A190798
Score: 18.6916
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^{5} + 4 x^{4} + 5 x^{3} + 8 x^{2} + 3 x + 2)}{(x - 1) (x + 1) (x^{2} + 1) (x^{2} + x + 1)}$$

Sequence: A190798
Score: 36.3527
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{3} + 2 x^{2} - x + 4$$

Sequence: A190798
Score: 9.63584
Type of gen. func.: ogf

$$\frac{x^{2} (x^{2} + 1) (x + 1)^{2}}{(x^{2} + x + 1)^{2} (x - 1)^{4}}$$

Sequence: A190816
Score: 11.1856
Type of gen. func.: lgdogf

$$-10 x^{2} - 18 x - 2$$

$$- \frac{}{-10 x^{3} + 11 x^{2} - 2 x + 1}$$

Sequence: A190816
Score: 12.2681
Type of gen. func.: ogf

$$- \frac{10 x^{2} - x + 1}{(x - 1)^{3}}$$

Sequence: A190816
Score: 21.2996
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^{2} + 9 x + 1)}{(x - 1) (10 x^{2} - x + 1)}$$

Sequence: A190816
Score: 6.28613
Type of gen. func.: ogf

$$(32300 f(x) - 100071) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 10 x^{2} - f(x) - x + 1)$$

Sequence: A190816
Score: 6.73117
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 13\}$$

Sequence: A190863
Score: 13.7053
Type of gen. func.: lgdegf]

$$\frac{2 x^{2} + 1}{(x^{2} + 1)^{1/2}}$$

Sequence: A190863
Score: 26.3143
Type of gen. func.: lgdegf]

$$\frac{2 x^2 + 1}{(x^2 + 1)^{1/2}}$$

Sequence: A190864
Score: 10.4888
Type of gen. func.: ogf

$$4 f(x)^2 x^4 + f(x)^2 x^2 - f(x)^2 + 2 f(x) - 1$$

Sequence: A190865
Score: 5.65025
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) - 2 a(n + 4) + 2 a(n + 3), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 2\}$$

Sequence: A190869
Score: 12.2096
Type of gen. func.: ogf

$$-2 f(x) x^2 + 10 f(x) x - f(x) + x$$

Sequence: A190869
Score: 14.6515
Type of gen. func.: lgdogf

$$-\frac{4 x - 10}{2 x^2 - 10 x + 1}$$

Sequence: A190869
Score: 21.5464
Type of gen. func.: ogf

$$\frac{x}{2 x^2 - 10 x + 1}$$

Sequence: A190869
Score: 27.8194
Type of gen. func.: lgdogf

$$- \frac{2 (-5 + 2 x)}{2 x^2 - 10 x + 1}$$

Sequence: A190869
Score: 8.93385
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A190870
Score: 11.7561
Type of gen. func.: ogf

$$-22 f(x) x^2 + 11 f(x) x - f(x) + x$$

Sequence: A190870
Score: 13.7908
Type of gen. func.: lgdogf

$$- \frac{44 x - 11}{22 x^2 - 11 x + 1}$$

Sequence: A190870
Score: 20.4892
Type of gen. func.: ogf

$$\frac{x}{22 x^2 - 11 x + 1}$$

Sequence: A190870
Score: 25.2803
Type of gen. func.: lgdogf

$$- \frac{11 (4 x - 1)}{22 x^2 - 11 x + 1}$$

Sequence: A190870
Score: 8.64001
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 22 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A190871
Score: 11.2298
Type of gen. func.: ogf

$$-11 f(x) x^2 + 11 f(x) x - f(x) + x$$

Sequence: A190871
Score: 13.1734
Type of gen. func.: lgdogf

$$- \frac{22 x - 11}{11 x^2 - 11 x + 1}$$

Sequence: A190871
Score: 19.5719
Type of gen. func.: ogf

$$\frac{x}{11 x^2 - 11 x + 1}$$

Sequence: A190871
Score: 25.0327
Type of gen. func.: lgdogf

$$-\frac{11 (2 x - 1)}{11 x^2 - 11 x + 1}$$

Sequence: A190871
Score: 8.25322
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 11 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A190872
Score: 11.8736
Type of gen. func.: ogf

$$-9 f(x) x^2 + 11 f(x) x - f(x) + x$$

Sequence: A190872
Score: 13.9690
Type of gen. func.: lgdogf

$$-\frac{18 x - 11}{9 x^2 - 11 x + 1}$$

Sequence: A190872
Score: 20.9535
Type of gen. func.: ogf

$$\frac{x}{9 x^2 - 11 x + 1}$$

Sequence: A190872
Score: 27.0494
Type of gen. func.: lgdogf

$$-\frac{18x-11}{9x^2-11x+1}$$

Sequence: A190872
Score: 8.68802
Type of gen. func.: ogf

$$\{a(n+2)-11a(n+1)+9a(n),\ a(0)=0,\ a(1)=1\}$$

Sequence: A190873
Score: 11.679
Type of gen. func.: ogf

$$-12f(x)x^2+12f(x)x-f(x)+x$$

Sequence: A190873
Score: 13.7003
Type of gen. func.: lgdogf

$$-\frac{24x-12}{12x^2-12x+1}$$

Sequence: A190873
Score: 20.3548
Type of gen. func.: ogf

$$\frac{x}{12x^2-12x+1}$$

Sequence: A190873
Score: 26.0476
Type of gen. func.: lgdogf

$$-\frac{12(2x-1)}{12x^2-12x+1}$$

Sequence: A190873
Score: 8.58335
Type of gen. func.: ogf

$$\{a(n+2) - 12\, a(n+1) + 12\, a(n),\ a(0) = 0,\ a(1) = 1\}$$

Sequence: A190875
Score: 4.32135
Type of gen. func.: egf]

$$\{(n+5)\, a(n+5) - a(n+4) - 4\, a(n+1),\ a(0) = 1,\ a(1) = 1,\ a(2) = 1/2,\ a(3) = 1/6,\ a(4) = \frac{25}{24}\}$$

Sequence: A190876
Score: 15.0282
Type of gen. func.: lgdogf

$$-\frac{-63 x^9 + 81 x^8 + 2}{9 x^{10} - 9 x^9 + x - 1}$$

Sequence: A190876
Score: 21.7755
Type of gen. func.: ogf

$$\frac{9 x^9 + 1}{(x - 1)^2}$$

Sequence: A190876
Score: 30.8841
Type of gen. func.: lgdogf

$$\frac{63 x^9 - 81 x^8 - 2}{(x - 1)(9 x^9 + 1)}$$

Sequence: A190876
Score: 5.70588
Type of gen. func.: ogf

```
{a(n + 3) - 2 a(n + 2) + a(n + 1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 4,

    a(4) = 5, a(5) = 6, a(6) = 7, a(7) = 8, a(8) = 9, a(9) = 19}
```

Sequence: A190878
Score: 32.4749
Type of gen. func.: lgdegf]

```
                                        4
                                     3 x  + 1
                                   -------------
                                     4        2
                                   (x  + x - 1)
```

Sequence: A190878
Score: 9.13357
Type of gen. func.: lgdegf]

```
                                          4
                                       3 x  + 1
                         - ---------------------------------
                              8      5      4    2
                            -x  - 2 x  + 2 x  - x  + 2 x - 1
```

Sequence: A190905
Score: 9.09718
Type of gen. func.: ogf_with_Euler_transform]

```
                                   2
                               (4 x  - x - 1) I
                         -------------------------- - 1/x
                                   3/2             3/2
                         (2 x - 1)    x (2 x + 1)
```

Sequence: A190910
Score: 6.84436
Type of gen. func.: lgdogf

```
               8      7       6      5      4       3       2
              x  - 6 x  + 13 x  - 8 x  + 5 x  - 34 x  + 19 x  - 8 x + 2
            - ---------------------------------------------------------
```

$$(x - 1) (x^2 + 1) (x^2 - 4 x + 1) (x^4 - 3 x^3 - 3 x + 1)$$

Sequence: A190912
Score: 12.4596
Type of gen. func.: ogf

$$- \frac{3 x^4 + 2 x^3 + x^2 - 1}{(x - 1) (x^5 + x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A190912
Score: 8.11777
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^9 + 3 x^8 + 2 x^7 - 3 x^5 + 9 x^4 - 2 x^3 - 2 x^2 - x + 1)}{(x - 1) (3 x^4 + 2 x^3 + x^2 - 1) (x^5 + x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A190913
Score: 14.6369
Type of gen. func.: lgdogf

$$- \frac{x (12 x^6 + 9 x^5 - 28 x^3 + 27 x + 4)}{(x^2 + x - 1) (6 x^3 + 3 x^2 - 5) (x^3 - x^2 - x - 1)}$$

Sequence: A190913
Score: 15.2267
Type of gen. func.: ogf

$$- \frac{6 x^3 + 3 x^2 - 5}{(x^2 + x - 1) (x^3 - x^2 - x - 1)}$$

Sequence: A190913
Score: 8.33841
Type of gen. func.: lgdogf

$$-\frac{12 x^{7} + 9 x^{6} - 28 x^{4} + 27 x^{2} + 4 x}{6 x^{8} + 3 x^{7} - 18 x^{6} - 20 x^{5} - 3 x^{4} + 21 x^{3} + 8 x^{2} - 5}$$

Sequence: A190914
Score: 13.8203
Type of gen. func.: lgdogf

$$-\frac{x (4 x^{6} + 27 x^{5} - 28 x^{3} + 9 x + 12)}{(x^{2} - x - 1) (2 x^{3} + 9 x^{2} - 5) (x^{3} + x^{2} + x - 1)}$$

Sequence: A190914
Score: 14.3813
Type of gen. func.: ogf

$$-\frac{2 x^{3} + 9 x^{2} - 5}{(x^{2} - x - 1) (x^{3} + x^{2} + x - 1)}$$

Sequence: A190914
Score: 7.87547
Type of gen. func.: lgdogf

$$-\frac{-4 x^{7} - 27 x^{6} + 28 x^{4} - 9 x^{2} - 12 x}{-2 x^{8} - 9 x^{7} + 2 x^{6} + 20 x^{5} + 27 x^{4} - 7 x^{3} - 24 x^{2} + 5}$$

Sequence: A190917
Score: 3.51550
Type of gen. func.: ogf

$$\{(8 n^{2} + 32 n + 32) a(n + 1) + (7 n^{2} + 59 n + 120) a(n + 2)$$

$$+ (-n^{2} - 9 n - 20) a(n + 3), a(0) = 1, a(1) = 5, a(2) = 29\}$$

Sequence: A190943
Score: 10.4851
Type of gen. func.: ogf

$$-27 f(x) x^2 - 8 f(x) x + f(x) - x$$

Sequence: A190943
Score: 12.5821
Type of gen. func.: lgdogf

$$-\frac{-54 x - 8}{-27 x^2 - 8 x + 1}$$

Sequence: A190943
Score: 16.5553
Type of gen. func.: ogf

$$-\frac{x}{27 x^2 + 8 x - 1}$$

Sequence: A190943
Score: 23.8506
Type of gen. func.: lgdogf

$$-\frac{2 (4 + 27 x)}{27 x^2 + 8 x - 1}$$

Sequence: A190943
Score: 7.67199
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) + 27 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A190947
Score: 9.29562
Type of gen. func.: ogf

$$(f(x) - 1)$$

Sequence: A190949
Score: 11.0710
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^2 + 6 x + 1)}{(x^2 + 4 x - 1) (x^2 - 4 x - 1)}$$

Sequence: A190949
Score: 6.82883
Type of gen. func.: ogf

$$(2584 f(x) - 759) (f(x) x^4 - 18 f(x) x^2 + x^3 + 5 x^2 + f(x) - 5 x - 1)$$

Sequence: A190949
Score: 8.86185
Type of gen. func.: lgdogf

$$-\frac{x^6 + 10 x^5 + 3 x^4 - 4 x^3 + 87 x^2 + 26 x + 5}{(x - 1) (x^2 + 6 x + 1) (x^2 + 4 x - 1) (x^2 - 4 x - 1)}$$

Sequence: A190953
Score: 12.1581
Type of gen. func.: ogf

$$-10 f(x) x^2 - 8 f(x) x + f(x) - x$$

Sequence: A190953
Score: 14.5897
Type of gen. func.: lgdogf

$$-\frac{-20 x - 8}{-10 x^2 - 8 x + 1}$$

Sequence: A190953
Score: 19.1970
Type of gen. func.: ogf

$$-\frac{x}{10 x^2 + 8 x - 1}$$

Sequence: A190953
Score: 28.8085
Type of gen. func.: lgdogf

$$-\frac{4 (2 + 5 x)}{10 x^2 + 8 x - 1}$$

Sequence: A190953
Score: 8.89616
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) + 10 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A190954
Score: 11.8736
Type of gen. func.: ogf

$$-4 f(x) x^2 - 10 f(x) x + f(x) - x$$

Sequence: A190954
Score: 14.2484
Type of gen. func.: lgdogf

$$-\frac{-8 x - 10}{-4 x^2 - 10 x + 1}$$

Sequence: A190954
Score: 18.7478
Type of gen. func.: ogf

$$-\frac{x}{4 x^2 + 10 x - 1}$$

Sequence: A190954
Score: 28.1314
Type of gen. func.: lgdogf

$$-\frac{2 (5 + 4 x)}{4 x^2 + 10 x - 1}$$

Sequence: A190954
Score: 8.68802
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A190955
Score: 11.8736
Type of gen. func.: ogf

$$-5 f(x) x^2 - 10 f(x) x + f(x) - x$$

Sequence: A190955
Score: 13.9690
Type of gen. func.: lgdogf

$$-\frac{-10 x - 10}{-5 x^2 - 10 x + 1}$$

Sequence: A190955
Score: 18.7478
Type of gen. func.: ogf

$$-\frac{x}{5 x^2 + 10 x - 1}$$

Sequence: A190955
Score: 29.3035
Type of gen. func.: lgdogf

$$-\frac{10 (x + 1)}{5 x^2 + 10 x - 1}$$

Sequence: A190955
Score: 8.68802
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) + 5 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A190956
Score: 11.8736
Type of gen. func.: ogf

$$-6 f(x) x^2 - 10 f(x) x + f(x) - x$$

Sequence: A190956
Score: 13.9690
Type of gen. func.: lgdogf

$$-\frac{-12 x - 10}{-6 x^2 - 10 x + 1}$$

Sequence: A190956
Score: 18.7478
Type of gen. func.: ogf

$$-\frac{x}{6 x^2 + 10 x - 1}$$

Sequence: A190956

Score: 28.1314
Type of gen. func.: lgdogf

$$-\frac{2(5+6x)}{6x^2+10x-1}$$

Sequence: A190956
Score: 8.68802
Type of gen. func.: ogf

$$\{-a(n+2)+10\,a(n+1)+6\,a(n),\ a(0)=0,\ a(1)=1\}$$

Sequence: A190957
Score: 11.8736
Type of gen. func.: ogf

$$-8 f(x) x^2 - 10 f(x) x + f(x) - x$$

Sequence: A190957
Score: 13.9690
Type of gen. func.: lgdogf

$$-\frac{-16x-10}{-8x^2-10x+1}$$

Sequence: A190957
Score: 18.7478
Type of gen. func.: ogf

$$-\frac{x}{8x^2+10x-1}$$

Sequence: A190957
Score: 28.1314
Type of gen. func.: lgdogf

$$-\frac{2(5+8x)}{}$$

$$8 x^2 + 10 x - 1$$

Sequence: A190957
Score: 8.68802
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) + 8 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A190958
Score: 11.8293
Type of gen. func.: ogf

$$-10 f(x) x^2 + 2 f(x) x - f(x) + x$$

Sequence: A190958
Score: 14.1952
Type of gen. func.: lgdogf

$$- \frac{-20 x + 2}{-10 x^2 + 2 x - 1}$$

Sequence: A190958
Score: 20.8753
Type of gen. func.: ogf

$$\frac{x}{10 x^2 - 2 x + 1}$$

Sequence: A190958
Score: 27.7683
Type of gen. func.: lgdogf

$$- \frac{2 (-1 + 10 x)}{10 x^2 - 2 x + 1}$$

Sequence: A190958
Score: 8.65560
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + 10 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A190959
Score: 12.2182
Type of gen. func.: ogf

$$-5 f(x) x^2 + 3 f(x) x - f(x) + x$$

Sequence: A190959
Score: 14.7117
Type of gen. func.: lgdogf

$$-\frac{-10 x + 3}{-5 x^2 + 3 x - 1}$$

Sequence: A190959
Score: 21.8447
Type of gen. func.: ogf

$$\frac{x}{5 x^2 - 3 x + 1}$$

Sequence: A190959
Score: 31.9137
Type of gen. func.: lgdogf

$$-\frac{-3 + 10 x}{5 x^2 - 3 x + 1}$$

Sequence: A190959
Score: 8.89968
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 5 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A190960
Score: 12.4555
Type of gen. func.: ogf

$$-6 f(x) x^2 + 3 f(x) x - f(x) + x$$

Sequence: A190960
Score: 14.9974
Type of gen. func.: lgdogf

$$-\frac{-12 x + 3}{-6 x^2 + 3 x - 1}$$

Sequence: A190960
Score: 22.2689
Type of gen. func.: ogf

$$\frac{x}{6 x^2 - 3 x + 1}$$

Sequence: A190960
Score: 30.6312
Type of gen. func.: lgdogf

$$-\frac{3 (4 x - 1)}{6 x^2 - 3 x + 1}$$

Sequence: A190960
Score: 9.07252
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 6 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A190961
Score: 12.2789
Type of gen. func.: ogf

$$-7 f(x) x^{2} + 3 f(x) x - f(x) + x$$

Sequence: A190961
Score: 14.7848
Type of gen. func.: lgdogf

$$-\frac{-14 x + 3}{-7 x^{2} + 3 x - 1}$$

Sequence: A190961
Score: 21.9532
Type of gen. func.: ogf

$$\frac{x}{7 x^{2} - 3 x + 1}$$

Sequence: A190961
Score: 31.4611
Type of gen. func.: lgdogf

$$-\frac{-3 + 14 x}{7 x^{2} - 3 x + 1}$$

Sequence: A190961
Score: 8.94390
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 7 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A190962
Score: 12.0424
Type of gen. func.: ogf

2

$$-8 f(x) x + 3 f(x) x - f(x) + x$$

Sequence: A190962
Score: 14.5000
Type of gen. func.: lgdogf

$$-\frac{-16 x + 3}{-8 x^{2} + 3 x - 1}$$

Sequence: A190962
Score: 21.5303
Type of gen. func.: ogf

$$\frac{x}{8 x^{2} - 3 x + 1}$$

Sequence: A190962
Score: 31.0072
Type of gen. func.: lgdogf

$$-\frac{-3 + 16 x}{8 x^{2} - 3 x + 1}$$

Sequence: A190962
Score: 8.77160
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 8 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A190963
Score: 11.3958
Type of gen. func.: ogf

$$9 f(x) x^{2} - 3 f(x) x + f(x) - x$$

Sequence: A190963
Score: 13.7215
Type of gen. func.: lgdogf

$$-\frac{-18 x + 3}{-9 x^2 + 3 x - 1}$$

Sequence: A190963
Score: 20.3744
Type of gen. func.: ogf

$$\frac{x}{9 x^2 - 3 x + 1}$$

Sequence: A190963
Score: 29.2508
Type of gen. func.: lgdogf

$$-\frac{3 (-1 + 6 x)}{9 x^2 - 3 x + 1}$$

Sequence: A190963
Score: 8.30067
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 9 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A190964
Score: 12.0515
Type of gen. func.: ogf

$$-10 f(x) x^2 + 3 f(x) x - f(x) + x$$

Sequence: A190964
Score: 14.4617
Type of gen. func.: lgdogf

$$-20 x + 3$$

$$-\frac{}{-10 x^2 + 3 x - 1}$$

Sequence: A190964
Score: 21.2673
Type of gen. func.: ogf

$$\frac{x}{10 x^2 - 3 x + 1}$$

Sequence: A190964
Score: 30.2564
Type of gen. func.: lgdogf

$$-\frac{-3 + 20 x}{10 x^2 - 3 x + 1}$$

Sequence: A190964
Score: 8.81813
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 10 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A190965
Score: 11.8754
Type of gen. func.: ogf

$$-6 f(x) x^2 + 4 f(x) x - f(x) + x$$

Sequence: A190965
Score: 14.2989
Type of gen. func.: lgdogf

$$-\frac{-4 + 12 x}{6 x^2 - 4 x + 1}$$

Sequence: A190965
Score: 21.2317
Type of gen. func.: ogf

$$\frac{x}{6 x^2 - 4 x + 1}$$

Sequence: A190965
Score: 30.7525
Type of gen. func.: lgdogf

$$-\frac{4 (3 x - 1)}{6 x^2 - 4 x + 1}$$

Sequence: A190965
Score: 8.64996
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + 6 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A190966
Score: 12.3944
Type of gen. func.: ogf

$$-8 f(x) x^2 + 4 f(x) x - f(x) + x$$

Sequence: A190966
Score: 14.9239
Type of gen. func.: lgdogf

$$-\frac{4 - 16 x}{-8 x^2 + 4 x - 1}$$

Sequence: A190966
Score: 22.1597
Type of gen. func.: ogf

$$\frac{x}{8 x^2 - 4 x + 1}$$

Sequence: A190966
Score: 31.4689
Type of gen. func.: lgdogf

$$-\frac{4 (-1 + 4 x)}{8 x^2 - 4 x + 1}$$

Sequence: A190966
Score: 9.02804
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + 8 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A190967
Score: 11.8039
Type of gen. func.: ogf

$$-9 f(x) x^2 + 4 f(x) x - f(x) + x$$

Sequence: A190967
Score: 14.2129
Type of gen. func.: lgdogf

$$-\frac{-18 x + 4}{-9 x^2 + 4 x - 1}$$

Sequence: A190967
Score: 21.1039
Type of gen. func.: ogf

$$\frac{x}{9 x^2 - 4 x + 1}$$

Sequence: A190967
Score: 29.0568
Type of gen. func.: lgdogf

$$-\frac{2\,(-2 + 9\,x)}{9\,x^2 - 4\,x + 1}$$

Sequence: A190967
Score: 8.59790
Type of gen. func.: ogf

$$\{a(n + 2) - 4\,a(n + 1) + 9\,a(n),\ a(0) = 0,\ a(1) = 1\}$$

Sequence: A190968
Score: 12.107
Type of gen. func.: ogf

$$-10\,f(x)\,x^2 + 4\,f(x)\,x - f(x) + x$$

Sequence: A190968
Score: 14.5284
Type of gen. func.: lgdogf

$$-\frac{-20\,x + 4}{-10\,x^2 + 4\,x - 1}$$

Sequence: A190968
Score: 21.3653
Type of gen. func.: ogf

$$\frac{x}{10\,x^2 - 4\,x + 1}$$

Sequence: A190968
Score: 29.4772

Type of gen. func.: lgdogf

$$-\frac{4\,(-1+5\,x)}{10\,x^{2}-4\,x+1}$$

Sequence: A190968
Score: 8.85878
Type of gen. func.: ogf

$$\{a(n+2)-4\,a(n+1)+10\,a(n),\ a(0)=0,\ a(1)=1\}$$

Sequence: A190969
Score: 12.3277
Type of gen. func.: ogf

$$-8\,f(x)\,x^{2}+5\,f(x)\,x-f(x)+x$$

Sequence: A190969
Score: 14.8436
Type of gen. func.: lgdogf

$$-\frac{-16\,x+5}{-8\,x^{2}+5\,x-1}$$

Sequence: A190969
Score: 22.0405
Type of gen. func.: ogf

$$\frac{x}{8\,x^{2}-5\,x+1}$$

Sequence: A190969
Score: 31.5684
Type of gen. func.: lgdogf

```
         -5 + 16 x
     - --------------
            2
```

$$8 x - 5 x + 1$$

Sequence: A190969
Score: 8.97947
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 8 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A190970
Score: 12.0298
Type of gen. func.: ogf

$$-9 f(x) x^{2} + 5 f(x) x - f(x) + x$$

Sequence: A190970
Score: 14.4849
Type of gen. func.: lgdogf

$$- \frac{18 x - 5}{9 x^{2} - 5 x + 1}$$

Sequence: A190970
Score: 21.5078
Type of gen. func.: ogf

$$\frac{x}{9 x^{2} - 5 x + 1}$$

Sequence: A190970
Score: 30.6840
Type of gen. func.: lgdogf

$$- \frac{18 x - 5}{9 x^{2} - 5 x + 1}$$

Sequence: A190970
Score: 8.76246
Type of gen. func.: ogf

$$\{a(n+2)-5a(n+1)+9a(n),\ a(0)=0,\ a(1)=1\}$$

Sequence: A190971
Score: 12.2181
Type of gen. func.: ogf

$$-10 f(x) x^2 + 5 f(x) x - f(x) + x$$

Sequence: A190971
Score: 14.6617
Type of gen. func.: lgdogf

$$-\frac{-5+20x}{10x^2-5x+1}$$

Sequence: A190971
Score: 21.5613
Type of gen. func.: ogf

$$\frac{x}{10x^2-5x+1}$$

Sequence: A190971
Score: 29.6053
Type of gen. func.: lgdogf

$$-\frac{5(-1+4x)}{10x^2-5x+1}$$

Sequence: A190971
Score: 8.94005
Type of gen. func.: ogf

$$\{a(n+2)-5a(n+1)+10a(n),\ a(0)=0,\ a(1)=1\}$$

Sequence: A190972
Score: 12.0637
Type of gen. func.: ogf

$$-3 f(x) x^2 + 7 f(x) x - f(x) + x$$

Sequence: A190972
Score: 14.8282
Type of gen. func.: lgdogf

$$-\frac{6 x - 7}{3 x^2 - 7 x + 1}$$

Sequence: A190972
Score: 21.5684
Type of gen. func.: ogf

$$\frac{x}{3 x^2 - 7 x + 1}$$

Sequence: A190972
Score: 30.5369
Type of gen. func.: lgdogf

$$-\frac{6 x - 7}{3 x^2 - 7 x + 1}$$

Sequence: A190972
Score: 8.78711
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) + 3 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A190973

Score: 11.9042
Type of gen. func.: ogf

$$-4 f(x) x^2 + 7 f(x) x - f(x) + x$$

Sequence: A190973
Score: 14.6323
Type of gen. func.: lgdogf

$$-\frac{8 x - 7}{4 x^2 - 7 x + 1}$$

Sequence: A190973
Score: 21.2833
Type of gen. func.: ogf

$$\frac{x}{4 x^2 - 7 x + 1}$$

Sequence: A190973
Score: 30.1280
Type of gen. func.: lgdogf

$$-\frac{8 x - 7}{4 x^2 - 7 x + 1}$$

Sequence: A190973
Score: 8.67099
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A190974
Score: 11.7448
Type of gen. func.: ogf

$$-5 f(x) x^2 + 7 f(x) x - f(x) + x$$

Sequence: A190974
Score: 14.1417
Type of gen. func.: lgdogf

$$-\frac{10x-7}{5x^2-7x+1}$$

Sequence: A190974
Score: 20.9983
Type of gen. func.: ogf

$$\frac{x}{5x^2-7x+1}$$

Sequence: A190974
Score: 28.4807
Type of gen. func.: lgdogf

$$-\frac{10x-7}{5x^2-7x+1}$$

Sequence: A190974
Score: 8.55485
Type of gen. func.: ogf

$$\{a(n+2)-7a(n+1)+5a(n), a(0)=0, a(1)=1\}$$

Sequence: A190975
Score: 11.6831
Type of gen. func.: ogf

$$-2f(x)x^2+8f(x)x-f(x)+x$$

Sequence: A190975

Score: 14.3605
Type of gen. func.: lgdogf

$$-\frac{4 x - 8}{2 x^2 - 8 x + 1}$$

Sequence: A190975
Score: 20.8879
Type of gen. func.: ogf

$$\frac{x}{2 x^2 - 8 x + 1}$$

Sequence: A190975
Score: 29.5665
Type of gen. func.: lgdogf

$$-\frac{4 (-2 + x)}{2 x^2 - 8 x + 1}$$

Sequence: A190975
Score: 8.50990
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A190976
Score: 11.5783
Type of gen. func.: ogf

$$-3 f(x) x^2 + 8 f(x) x - f(x) + x$$

Sequence: A190976
Score: 14.2317
Type of gen. func.: lgdogf

$$-\frac{6 x - 8}{}$$

$$3 x^2 - 8 x + 1$$

Sequence: A190976
Score: 20.7006
Type of gen. func.: ogf

$$\frac{x}{3 x^2 - 8 x + 1}$$

Sequence: A190976
Score: 26.9539
Type of gen. func.: lgdogf

$$- \frac{2 (-4 + 3 x)}{3 x^2 - 8 x + 1}$$

Sequence: A190976
Score: 8.43358
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 3 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A190977
Score: 12.6483
Type of gen. func.: ogf

$$-5 f(x) x^2 + 8 f(x) x - f(x) + x$$

Sequence: A190977
Score: 15.2295
Type of gen. func.: lgdogf

$$- \frac{10 x - 8}{5 x^2 - 8 x + 1}$$

Sequence: A190977
Score: 22.6135
Type of gen. func.: ogf

$$\frac{x}{5 x^{2} - 8 x + 1}$$

Sequence: A190977
Score: 29.4736
Type of gen. func.: lgdogf

$$- \frac{2 (-4 + 5 x)}{5 x^{2} - 8 x + 1}$$

Sequence: A190977
Score: 9.21293
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 5 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A190978
Score: 12.5951
Type of gen. func.: ogf

$$-6 f(x) x^{2} + 8 f(x) x - f(x) + x$$

Sequence: A190978
Score: 15.1655
Type of gen. func.: lgdogf

$$- \frac{12 x - 8}{6 x^{2} - 8 x + 1}$$

Sequence: A190978
Score: 22.5185
Type of gen. func.: ogf

$$\frac{x}{6 x^2 - 8 x + 1}$$

Sequence: A190978
Score: 29.3482
Type of gen. func.: lgdogf

$$-\frac{4 (-2 + 3 x)}{6 x^2 - 8 x + 1}$$

Sequence: A190978
Score: 9.17421
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 6 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A190979
Score: 12.207
Type of gen. func.: ogf

$$-2 f(x) x^2 + 9 f(x) x - f(x) + x$$

Sequence: A190979
Score: 15.0044
Type of gen. func.: lgdogf

$$-\frac{4 x - 9}{2 x^2 - 9 x + 1}$$

Sequence: A190979
Score: 21.8246
Type of gen. func.: ogf

$$\frac{x}{2 x^2 - 9 x + 1}$$

Sequence: A190979
Score: 30.9104
Type of gen. func.: lgdogf

$$-\frac{4x-9}{2x^2-9x+1}$$

Sequence: A190979
Score: 8.89151
Type of gen. func.: ogf

$$\{a(n+2)-9a(n+1)+2a(n), a(0)=0, a(1)=1\}$$

Sequence: A190980
Score: 12.1546
Type of gen. func.: ogf

$$-3f(x)x^2+9f(x)x-f(x)+x$$

Sequence: A190980
Score: 14.9400
Type of gen. func.: lgdogf

$$-\frac{6x-9}{3x^2-9x+1}$$

Sequence: A190980
Score: 21.7309
Type of gen. func.: ogf

$$\frac{x}{3x^2-9x+1}$$

Sequence: A190980
Score: 28.3139
Type of gen. func.: lgdogf

$$-\frac{3(-3+2x)}{3x^2-9x+1}$$

Sequence: A190980
Score: 8.85335
Type of gen. func.: ogf

$$\{a(n+2)-9a(n+1)+3a(n), a(0)=0, a(1)=1\}$$

Sequence: A190981
Score: 12.0498
Type of gen. func.: ogf

$$-4f(x)x^2+9f(x)x-f(x)+x$$

Sequence: A190981
Score: 14.8112
Type of gen. func.: lgdogf

$$-\frac{8x-9}{4x^2-9x+1}$$

Sequence: A190981
Score: 21.5436
Type of gen. func.: ogf

$$\frac{x}{4x^2-9x+1}$$

Sequence: A190981
Score: 30.5072
Type of gen. func.: lgdogf

$$-\frac{8x-9}{4x^2-9x+1}$$

Sequence: A190981
Score: 8.77702
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A190982
Score: 11.9974
Type of gen. func.: ogf

$$-5 f(x) x^2 + 9 f(x) x - f(x) + x$$

Sequence: A190982
Score: 14.4459
Type of gen. func.: lgdogf

$$-\frac{10 x - 9}{5 x^2 - 9 x + 1}$$

Sequence: A190982
Score: 21.4499
Type of gen. func.: ogf

$$\frac{x}{5 x^2 - 9 x + 1}$$

Sequence: A190982
Score: 29.1073
Type of gen. func.: lgdogf

$$-\frac{10 x - 9}{5 x^2 - 9 x + 1}$$

Sequence: A190982

Score: 8.73886
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) + 5 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A190983
Score: 11.945
Type of gen. func.: ogf

$$-6 f(x) x^2 + 9 f(x) x - f(x) + x$$

Sequence: A190983
Score: 14.3828
Type of gen. func.: lgdogf

$$- \frac{12 x - 9}{6 x^2 - 9 x + 1}$$

Sequence: A190983
Score: 21.3563
Type of gen. func.: ogf

$$\frac{x}{6 x^2 - 9 x + 1}$$

Sequence: A190983
Score: 27.8194
Type of gen. func.: lgdogf

$$- \frac{3 (-3 + 4 x)}{6 x^2 - 9 x + 1}$$

Sequence: A190983
Score: 8.70070
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) + 6 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A190984
Score: 11.8927
Type of gen. func.: ogf

$$-7 f(x) x^2 + 9 f(x) x - f(x) + x$$

Sequence: A190984
Score: 14.3197
Type of gen. func.: lgdogf

$$-\frac{14 x - 9}{7 x^2 - 9 x + 1}$$

Sequence: A190984
Score: 21.2626
Type of gen. func.: ogf

$$\frac{x}{7 x^2 - 9 x + 1}$$

Sequence: A190984
Score: 28.8497
Type of gen. func.: lgdogf

$$-\frac{14 x - 9}{7 x^2 - 9 x + 1}$$

Sequence: A190984
Score: 8.66254
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) + 7 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A190985
Score: 12.2096

Type of gen. func.: ogf

$$-3 f(x) x^2 + 10 f(x) x - f(x) + x$$

Sequence: A190985
Score: 14.6515
Type of gen. func.: lgdogf

$$-\frac{6 x - 10}{3 x^2 - 10 x + 1}$$

Sequence: A190985
Score: 21.5464
Type of gen. func.: ogf

$$\frac{x}{3 x^2 - 10 x + 1}$$

Sequence: A190985
Score: 27.8194
Type of gen. func.: lgdogf

$$-\frac{2 (-5 + 3 x)}{3 x^2 - 10 x + 1}$$

Sequence: A190985
Score: 8.93385
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 3 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A190986
Score: 12.2096
Type of gen. func.: ogf

$$-4 f(x) x^2 + 10 f(x) x - f(x) + x$$

Sequence: A190986
Score: 14.6515
Type of gen. func.: lgdogf

$$-\frac{8 x - 10}{4 x^2 - 10 x + 1}$$

Sequence: A190986
Score: 21.5464
Type of gen. func.: ogf

$$\frac{x}{4 x^2 - 10 x + 1}$$

Sequence: A190986
Score: 27.8194
Type of gen. func.: lgdogf

$$-\frac{2 (-5 + 4 x)}{4 x^2 - 10 x + 1}$$

Sequence: A190986
Score: 8.93385
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A190987
Score: 12.2096
Type of gen. func.: ogf

$$-5 f(x) x^2 + 10 f(x) x - f(x) + x$$

Sequence: A190987
Score: 14.3642

Type of gen. func.: lgdogf

$$-\frac{10 x - 10}{5 x^{2} - 10 x + 1}$$

Sequence: A190987
Score: 21.5464
Type of gen. func.: ogf

$$\frac{x}{5 x^{2} - 10 x + 1}$$

Sequence: A190987
Score: 30.1376
Type of gen. func.: lgdogf

$$-\frac{10 (x - 1)}{5 x^{2} - 10 x + 1}$$

Sequence: A190987
Score: 8.93385
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 5 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A190988
Score: 12.2096
Type of gen. func.: ogf

$$-6 f(x) x^{2} + 10 f(x) x - f(x) + x$$

Sequence: A190988
Score: 14.3642
Type of gen. func.: lgdogf

```
    12 x - 10
- ---------------
       2
```

$$6 x \quad - 10 x + 1$$

Sequence: A190988
Score: 21.5464
Type of gen. func.: ogf

$$\frac{x}{6 x^{2} - 10 x + 1}$$

Sequence: A190988
Score: 27.8194
Type of gen. func.: lgdogf

$$- \frac{2 (-5 + 6 x)}{6 x^{2} - 10 x + 1}$$

Sequence: A190988
Score: 8.93385
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 6 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A190989
Score: 12.2096
Type of gen. func.: ogf

$$-7 f(x) x^{2} + 10 f(x) x - f(x) + x$$

Sequence: A190989
Score: 14.3642
Type of gen. func.: lgdogf

$$- \frac{14 x - 10}{7 x^{2} - 10 x + 1}$$

Sequence: A190989
Score: 21.5464
Type of gen. func.: ogf

$$\frac{x}{7 x^2 - 10 x + 1}$$

Sequence: A190989
Score: 27.8194
Type of gen. func.: lgdogf

$$-\frac{2 (-5 + 7 x)}{7 x^2 - 10 x + 1}$$

Sequence: A190989
Score: 8.93385
Type of gen. func.: ogf

{a(n + 2) - 10 a(n + 1) + 7 a(n), a(0) = 0, a(1) = 1}

Sequence: A190990
Score: 12.2096
Type of gen. func.: ogf

$$-8 f(x) x^2 + 10 f(x) x - f(x) + x$$

Sequence: A190990
Score: 14.3642
Type of gen. func.: lgdogf

$$-\frac{16 x - 10}{8 x^2 - 10 x + 1}$$

Sequence: A190990
Score: 21.5464
Type of gen. func.: ogf

x

$$\frac{}{8 x^{2} - 10 x + 1}$$

Sequence: A190990
Score: 27.8194
Type of gen. func.: lgdogf

$$-\frac{2 (-5 + 8 x)}{8 x^{2} - 10 x + 1}$$

Sequence: A190990
Score: 8.93385
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 8 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A190991
Score: 15.7285
Type of gen. func.: lgdogf

$$-\frac{-12 x - 14}{-12 x^{2} + 11 x + 1}$$

Sequence: A190991
Score: 17.7800
Type of gen. func.: ogf

$$\frac{12 x + 1}{(x - 1)^{2}}$$

Sequence: A190991
Score: 32.0799
Type of gen. func.: lgdogf

$$-\frac{2 (7 + 6 x)}{(12 x + 1) (x - 1)}$$

Sequence: A190991
Score: 9.29409
Type of gen. func.: ogf

$$(13 f(x) + 85) (f(x) x^2 - 2 f(x) x + f(x) - 12 x - 1)$$

Sequence: A190991
Score: 9.85398
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 14\}$$

Sequence: A190994
Score: 10.3236
Type of gen. func.: lgdogf

$$-\frac{25 x^2 - 54 x - 2}{25 x^3 - 2 x^2 - 52 x + 27}$$

Sequence: A190994
Score: 15.1559
Type of gen. func.: ogf

$$\frac{25 x - 27}{x^2 + x - 1}$$

Sequence: A190994
Score: 18.8708
Type of gen. func.: lgdogf

$$-\frac{25 x^2 - 54 x - 2}{(25 x - 27) (x^2 + x - 1)}$$

Sequence: A190994

Score: 7.42005
Type of gen. func.: ogf

$$(22815 f(x) - 615989) (f(x) x^2 + f(x) x - f(x) - 25 x + 27)$$

Sequence: A190994
Score: 8.58223
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 27, a(1) = 2\}$$

Sequence: A190995
Score: 12.3647
Type of gen. func.: lgdogf

$$-\frac{2 x^2 - 18 x - 7}{2 x^3 - 7 x^2 - 11 x + 9}$$

Sequence: A190995
Score: 18.1348
Type of gen. func.: ogf

$$\frac{2 x - 9}{x^2 + x - 1}$$

Sequence: A190995
Score: 23.5772
Type of gen. func.: lgdogf

$$-\frac{2 x^2 - 18 x - 7}{(2 x - 9) (x^2 + x - 1)}$$

Sequence: A190995
Score: 8.8703
Type of gen. func.: ogf

$$-(25 f(x) - 176) (f(x) x^2 + f(x) x - f(x) - 2 x + 9)$$

Sequence: A190995
Score: 9.95205
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 9, a(1) = 7\}$$

Sequence: A190996
Score: 11.6063
Type of gen. func.: lgdogf

$$-\frac{-3 x^2 + 20 x + 7}{-3 x^3 + 7 x^2 + 13 x - 10}$$

Sequence: A190996
Score: 16.9049
Type of gen. func.: ogf

$$\frac{3 x - 10}{x^2 + x - 1}$$

Sequence: A190996
Score: 23.1300
Type of gen. func.: lgdogf

$$-\frac{(3 x + 1) (x - 7)}{(3 x - 10) (x^2 + x - 1)}$$

Sequence: A190996
Score: 8.36154
Type of gen. func.: ogf

$$-(27 f(x) - 221) (f(x) x^2 + f(x) x - f(x) - 3 x + 10)$$

Sequence: A190996
Score: 9.36896
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n),\ a(0) = 10,\ a(1) = 7\}$$

Sequence: A191007
Score: 16.6692
Type of gen. func.: lgdogf

$$-\frac{-6 x - 3}{-2 x^{2} - x + 1}$$

Sequence: A191007
Score: 24.2461
Type of gen. func.: ogf

$$\frac{3}{(x + 1) (2 x - 1)^{2}}$$

Sequence: A191007
Score: 8.42232
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 4 a(n),\ a(0) = 3,\ a(1) = 9,\ a(2) = 27\}$$

Sequence: A191007
Score: 9.41316
Type of gen. func.: ogf

$$-(f(x) - 3) (4 f(x) x^{3} - 3 f(x) x + f(x) - 3)$$

Sequence: A191008
Score: 16.2732
Type of gen. func.: lgdogf

$$-\frac{-9 x - 5}{}$$

$$-3 x^2 - 2 x + 1$$

Sequence: A191008
Score: 19.0516
Type of gen. func.: ogf

$$\frac{1}{(x + 1) (3 x - 1)^2}$$

Sequence: A191008
Score: 6.91251
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 3 a(n + 1) - 9 a(n), a(0) = 1, a(1) = 5, a(2) = 22\}$$

Sequence: A191008
Score: 7.7338
Type of gen. func.: ogf

$$(45 f(x) - 13) (9 f(x) x^3 + 3 f(x) x^2 - 5 f(x) x + f(x) - 1)$$

Sequence: A191010
Score: 14.7877
Type of gen. func.: lgdogf

$$-\frac{-12 x - 7}{-4 x^2 - 3 x + 1}$$

Sequence: A191010
Score: 17.2523
Type of gen. func.: ogf

$$\frac{1}{(x + 1) (-1 + 4 x)^2}$$

Sequence: A191010
Score: 6.35610
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) - 8 a(n + 1) - 16 a(n), a(0) = 1, a(1) = 7, a(2) = 41\}$$

Sequence: A191010
Score: 7.03492
Type of gen. func.: ogf

$$(327 f(x) - 52) (16 f(x) x^3 + 8 f(x) x^2 - 7 f(x) x + f(x) - 1)$$

Sequence: A191012
Score: 6.15893
Type of gen. func.: ogf

$$\frac{x (5 x^4 + 32 x^3 + 66 x^2 + 16 x + 1)}{(x - 1)^6}$$

Sequence: A191012
Score: 9.75997
Type of gen. func.: lgdogf

$$-\frac{2 (5 x^4 + 58 x^3 + 180 x^2 + 106 x + 11)}{(x - 1) (5 x^4 + 32 x^3 + 66 x^2 + 16 x + 1)}$$

Sequence: A191014
Score: 11.8736
Type of gen. func.: ogf

$$-2 f(x) x^2 - 10 f(x) x + f(x) - x$$

Sequence: A191014
Score: 14.2484
Type of gen. func.: lgdogf

$$-\frac{-4x-10}{-2x^2-10x+1}$$

Sequence: A191014
Score: 18.7478
Type of gen. func.: ogf

$$-\frac{x}{2x^2+10x-1}$$

Sequence: A191014
Score: 28.1314
Type of gen. func.: lgdogf

$$-\frac{2(5+2x)}{2x^2+10x-1}$$

Sequence: A191014
Score: 8.68802
Type of gen. func.: ogf

$$\{-a(n+2)+10a(n+1)+2a(n), a(0)=0, a(1)=1\}$$

Sequence: A191111
Score: 10.8125
Type of gen. func.: ogf

$$-\frac{9900x^{11}-9900x^{10}+1089x^2-1088x-11}{(x-1)^2}$$

Sequence: A191111
Score: 9.81652
Type of gen. func.: lgdogf

$$\frac{10(8910x^{11}-18810x^{10}+9900x^9-109x+111)}{}$$

$$(x - 1) (9900 x^{11} - 9900 x^{10} + 1089 x^2 - 1088 x - 11)$$

Sequence: A191153
Score: 5.15938
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^{55} + x^{53} + x^{13} + x^{12} + x^{11} - x^{10} - x^9 - x^8 + x^7 + 2 x^6 + x^5 - x^3 + 1}{-x^{53} - x^7 - x^6 - x^5 - 1}$$

Sequence: A191230
Score: 5.31581
Type of gen. func.: ogf

$$- \frac{x^{38} - 3 x^{37} - x^{36} - x^{35} - 2 x^{33} - 2 x^{32} - 2 x^6 - 2 x^5 - x^2 - 2 x - 1}{(2 x^{32} + x + 1) (x^4 + 1) (x - 1)}$$

Sequence: A191231
Score: 5.87005
Type of gen. func.: ogf

$$\frac{5 x^{36} - 2 x^{35} + x^{34} + 2 x^{32} + 2 x^{31} + 2 x^4 + 2 x^3 + 4}{(x^{32} + x^{31} + 2) (x^4 + 1) (x - 1)}$$

Sequence: A191237
Score: 15.9837
Type of gen. func.: lgdegf]

$$5 x^4 + 3 x^2 + 1$$

Sequence: A191237
Score: 43.3259
Type of gen. func.: lgdegf]

$$5 x^4 + 3 x^2 + 1$$

Sequence: A191241
Score: 29.3353
Type of gen. func.: revogf

$$-2 x^5 - x^2 + x$$

Sequence: A191241
Score: 33.0402
Type of gen. func.: revogf

$$-x (x + 1) (2 x^3 - 2 x^2 + 2 x - 1)$$

Sequence: A191242
Score: 16.6848
Type of gen. func.: revogf

$$-2 x^4 - x^3 - x^2 + x$$

Sequence: A191242
Score: 32.7339
Type of gen. func.: revogf

$$-x (2 x - 1) (x^2 + x + 1)$$

Sequence: A191272
Score: 11.4856
Type of gen. func.: ogf

$$- \frac{x (5 x + 4)}{(-1 + 4 x) (x^2 + x + 1)}$$

Sequence: A191272
Score: 12.9029
Type of gen. func.: lgdogf

$$-\frac{40 x^{3} + 63 x^{2} + 24 x + 17}{(-1 + 4 x) (5 x + 4) (x^{2} + x + 1)}$$

Sequence: A191272
Score: 5.5015
Type of gen. func.: ogf

$$-(20139 f(x) + 25789) (4 f(x) x^{3} + 3 f(x) x^{2} + 3 f(x) x + 5 x^{2} - f(x) + 4 x)$$

Sequence: A191272
Score: 5.84534
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + 3 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 4, a(2) = 17\}$$

Sequence: A191272
Score: 7.52503
Type of gen. func.: lgdogf

$$-\frac{40 x^{3} + 63 x^{2} + 24 x + 17}{20 x^{4} + 31 x^{3} + 27 x^{2} + 7 x - 4}$$

Sequence: A191275
Score: 25.4258
Type of gen. func.: ogf_with_Euler_transform]

$$x^{6} - x^{5} - x + 3$$

Sequence: A191275
Score: 8.68165
Type of gen. func.: ogf

$$\frac{x (x^{2} + x + 1) (x^{2} - x + 1) (x + 1)^{2}}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A191276
Score: 17.6315
Type of gen. func.: ogf

$$\frac{x\,(x^2+x+1)\,(x^4+2x^3-2x^2+2x+1)}{(x^6+x^5+x^4+x^3+x^2+x+1)\,(x-1)^2}$$

Sequence: A191296
Score: 12.4158
Type of gen. func.: lgdogf

$$-\frac{4\,(80x^3-118x^2+56x-9)}{(x-1)\,(2x-1)\,(-1+4x)\,(24x^3-42x^2+41x-11)}$$

Sequence: A191296
Score: 12.4262
Type of gen. func.: ogf

$$\frac{24x^3-42x^2+41x-11}{(x-1)\,(2x-1)\,(-1+4x)}$$

Sequence: A191296
Score: 6.61539
Type of gen. func.: ogf

{a(n + 4) - 7 a(n + 3) + 14 a(n + 2) - 8 a(n + 1), a(0) = 11, a(1) = 36,

a(2) = 140, a(3) = 540}

Sequence: A191296
Score: 7.12821
Type of gen. func.: ogf

$$(243\,f(x)-9193)$$

$$(8\,f(x)\,x^3-14\,f(x)\,x^2-24x^3+7\,f(x)\,x+42x^2-f(x)-41x+11)$$

Sequence: A191296
Score: 7.85931
Type of gen. func.: lgdogf

$$-\frac{320 x^3 - 472 x^2 + 224 x - 36}{192 x^6 - 672 x^5 + 1084 x^4 - 980 x^3 + 483 x^2 - 118 x + 11}$$

Sequence: A191303
Score: 4.93103
Type of gen. func.: ogf

$$-\frac{1729 x^4 - 8636 x^3 + 30010 x^2 + 56580 x + 52029}{(x - 1)^5}$$

Sequence: A191309
Score: 5.43461
Type of gen. func.: ogf

$$16 f(x)^2 x^4 - 16 f(x)^2 x^3 - 8 f(x) x^3 + x^4 + 4 f(x)^2 x + 4 f(x) x^2 - f(x)^2$$
$$+ 2 f(x) x - f(x)$$

Sequence: A191309
Score: 7.46024
Type of gen. func.: lgdogf

$$\frac{2 I}{x (2 x - 1)^{1/2} (2 x + 1)^{1/2}} - \frac{2 (8 x^2 + x - 1)}{(2 x - 1) (2 x + 1) x}$$

Sequence: A191317
Score: 5.91333
Type of gen. func.: ogf

$$-f(x)^2 x^4 + f(x)^2 x^3 - 2 f(x)^2 x^2 - 2 f(x) x^3 + f(x)^2 x + f(x) x^2 - 2 f(x) x$$

$$- x^2 + f(x) - 1$$

Sequence: A191319
Score: 11.1332
Type of gen. func.: lgdogf

$$-\frac{16 x^3 + 2 x^2 - 10 x - 2}{4 x^4 - 5 x^2 + 1}$$

Sequence: A191319
Score: 15.7607
Type of gen. func.: lgdogf

$$-\frac{2 (8 x^3 + x^2 - 5 x - 1)}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A191321
Score: 15.3784
Type of gen. func.: revogf

$$\frac{(x + 1) (-x^2 - 2 x + (5 x^2 + 4 x + 1)^{1/2} (x^2 + 1)^{1/2} - 1)}{2 x^3}$$

Sequence: A191321
Score: 7.16044
Type of gen. func.: ogf

$$f(x)^3 x^4 + f(x)^3 x^3 - f(x)^3 x^2 + 3 f(x)^2 x^2 - 2 f(x)^2 x + 3 f(x) x - f(x) + 1$$

Sequence: A191321
Score: 7.81681
Type of gen. func.: revogf

$$(5 x^2 + 4 x + 1)^{1/2} (x^2 + 1)^{1/2} (x + 1) \quad x^3 + 3 x^2 + 3 x + 1$$

```
         --------------------------------------- - -------------------
                             3                               3
                          2 x                             2 x



------------------------------------------------------------------------------

Sequence:  A191341
Score: 10.3399
Type of gen. func.: lgdogf


                                      3       2
                      (-3 + 4 x) (48 x  - 68 x  + 64 x - 17)
               - --------------------------------------------------
                                                   2
                 (x - 1) (-1 + 4 x) (2 x - 1) (24 x  - 26 x + 11)



------------------------------------------------------------------------------

Sequence:  A191341
Score: 11.9199
Type of gen. func.: ogf


                                     2
                                 16 x  - 10 x + 3
                         - ----------------------------
                           (x - 1) (2 x - 1) (-1 + 4 x)



------------------------------------------------------------------------------

Sequence:  A191341
Score: 6.35728
Type of gen. func.: ogf


(3255 f(x) - 2992)

             3            2                  2
    (8 f(x) x  - 14 f(x) x  + 7 f(x) x + 16 x  - f(x) - 10 x + 3)



------------------------------------------------------------------------------

Sequence:  A191341
Score: 6.63370
Type of gen. func.: ogf


 {a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 8 a(n), a(0) = 3, a(1) = 11, a(2) = 51}



------------------------------------------------------------------------------

Sequence:  A191341
Score: 6.75111
Type of gen. func.: lgdogf


                            4        3        2
                       128 x  - 160 x  + 100 x  - 52 x + 11
                 - --------------------------------------------
                        5        4        3        2
```

$$128 x - 304 x + 276 x - 128 x + 31 x - 3$$

Sequence: A191353
Score: 23.1963
Type of gen. func.: lgdegf]

$$2 \ln(x + 1) x + \ln(x + 1) + x$$

Sequence: A191353
Score: 6.45439
Type of gen. func.: lgdegf]

$$\left(- \frac{1}{2 (2 x + 1)} + \ln(x + 1) + 1/2\right) (2 x + 1)$$

Sequence: A191354
Score: 10.2876
Type of gen. func.: ogf

$$-4 f(x)^2 x^3 - 3 f(x)^2 x^2 - 2 f(x)^2 x + f(x)^2 - 1$$

Sequence: A191354
Score: 13.0202
Type of gen. func.: lgdogf

$$- \frac{6 x^2 + 3 x + 1}{4 x^3 + 3 x^2 + 2 x - 1}$$

Sequence: A191354
Score: 24.1085
Type of gen. func.: lgdogf

$$- \frac{6 x^2 + 3 x + 1}{4 x^3 + 3 x^2 + 2 x - 1}$$

Sequence: A191354
Score: 4.22992
Type of gen. func.: ogf

$$\{(n + 4)\, a(n + 4) + (-7 - 2 n)\, a(n + 3) + (-9 - 3 n)\, a(n + 2) + (-10 - 4 n)\, a(n + 1),\ a(0) = 1,\ a(1) = 1,\ a(2) = 3,\ a(3) = 9\}$$

Sequence: A191365
Score: 13.3198
Type of gen. func.: lgdegf]

$$\frac{(\mathrm{Pi}\, x - \mathrm{Pi} + \ln(x - 1)\, x\, I - \ln(x - 1)\, I + I) \exp(x)\, I}{x - 1}$$

Sequence: A191370
Score: 3.95027
Type of gen. func.: ogf

$$\{a(n + 4) - 2\, a(n + 3) + a(n + 1) - 2\, a(n),\ a(0) = 1,\ a(1) = 2,\ a(2) = 4,\ a(3) = 2\}$$

Sequence: A191370
Score: 4.41292
Type of gen. func.: ogf

$$-(f(x) + 3)\, (2\, f(x)\, x^4 - f(x)\, x^3 - 5\, x^3 + 2\, f(x)\, x - f(x) + 1)$$

Sequence: A191370
Score: 7.94174
Type of gen. func.: lgdogf

$$-\frac{2\, (5\, x^6 - 14\, x^3 + 9\, x^2 - 1)}{(2\, x - 1)\, (x + 1)\, (x^2 - x + 1)\, (5\, x^3 - 1)}$$

Sequence: A191370
Score: 8.59356
Type of gen. func.: ogf

$$\frac{5 x^{3} - 1}{(2 x - 1) (x + 1) (x^{2} - x + 1)}$$

Sequence: A191385
Score: 6.83333
Type of gen. func.: ogf

$$f(x)^{2} x^{4} - f(x)^{2} x^{3} + 2 f(x)^{2} x^{2} - f(x)^{2} x - f(x) x^{2} + 2 f(x) x - f(x) + 1$$

Sequence: A191386
Score: 4.66645
Type of gen. func.: ogf

$$\{-8 a(n) n + 4 a(n + 1) n + (2 n + 2) a(n + 2) + (-n - 1) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 2, a(4) = 5\}$$

Sequence: A191386
Score: 7.72085
Type of gen. func.: lgdogf

$$- \frac{I}{x (2 x + 1)^{1/2} (2 x - 1)^{1/2}} - \frac{4 x^{2} + 2 x + 1}{(2 x + 1) (2 x - 1) x}$$

Sequence: A191388
Score: 6.48586
Type of gen. func.: ogf

$$-f(x)^{2} x^{4} - 2 f(x)^{2} x^{2} - 2 f(x) x^{3} + 3 f(x)^{2} x - f(x)^{2} - 4 f(x) x - x^{2} + 3 f(x) - 2$$

Sequence: A191389
Score: 5.8929
Type of gen. func.: ogf

2 4 2 3 2 2 3 4 2

$$4 f(x) x - 4 f(x) x + f(x) x - 6 f(x) x + x + 3 f(x) x + 2 f(x) x - f(x)$$

Sequence: A191389
Score: 8.83934
Type of gen. func.: lgdogf

$$\frac{3 I}{x (2 x + 1)^{1/2} (2 x - 1)^{1/2}} - \frac{8 x - 3}{(2 x - 1) x}$$

Sequence: A191391
Score: 3.95716
Type of gen. func.: ogf

$$\{8 a(n) n^2 + (-4 n^2 + 8) a(n + 1) + (-2 n^2 - 6 n + 4) a(n + 2) + (n^2 + 3 n - 4) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 3, a(4) = 5\}$$

Sequence: A191391
Score: 6.47256
Type of gen. func.: ogf

$$-4 f(x)^2 x^3 + 4 f(x)^2 x^2 - f(x)^2 x + 2 f(x) x^2 - x^3 - 3 f(x) x + 2 x^2 + f(x) - x$$

Sequence: A191413
Score: 11.9468
Type of gen. func.: lgdogf

$$- \frac{-12 x^2 + 2 x - 8}{-12 x^3 + 25 x^2 - 20 x + 7}$$

Sequence: A191413
Score: 12.8950
Type of gen. func.: ogf

$$-\frac{12 x^2 - 13 x + 7}{(x - 1)^3}$$

Sequence: A191413
Score: 22.1384
Type of gen. func.: lgdogf

$$-\frac{2 (6 x^2 - x + 4)}{(x - 1) (12 x^2 - 13 x + 7)}$$

Sequence: A191413
Score: 6.55146
Type of gen. func.: ogf

$$-(1836 f(x) - 12187) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 12 x^2 - f(x) - 13 x + 7)$$

Sequence: A191413
Score: 7.18922
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 7, a(1) = 8, a(2) = 15\}$$

Sequence: A191422
Score: 6.89834
Type of gen. func.: lgdegf]

$$\frac{-x - 2}{x^2 + x + 1} + \ln(x^2 + x + 1) + 2$$

Sequence: A191422
Score: 9.18347
Type of gen. func.: lgdegf]

$$x + \ln(x^2 + x + 1) x^2 + \ln(x^2 + x + 1) x + \ln(x^2 + x + 1) + 2 x^2$$

$$\overline{x^2 + x + 1}$$

Sequence: A191465
Score: 10.4605
Type of gen. func.: ogf

$$-18 f(x) x^2 + 11 f(x) x - f(x) + 7 x$$

Sequence: A191465
Score: 12.2710
Type of gen. func.: lgdogf

$$-\frac{36 x - 11}{18 x^2 - 11 x + 1}$$

Sequence: A191465
Score: 16.3613
Type of gen. func.: ogf

$$\frac{7 x}{(9 x - 1) (2 x - 1)}$$

Sequence: A191465
Score: 23.3001
Type of gen. func.: lgdogf

$$-\frac{36 x - 11}{(9 x - 1) (2 x - 1)}$$

Sequence: A191465
Score: 7.68783
Type of gen. func.: ogf

{a(n + 2) - 11 a(n + 1) + 18 a(n), a(0) = 0, a(1) = 7}

Sequence: A191466
Score: 10.4605
Type of gen. func.: ogf

$$-45 f(x) x^2 + 14 f(x) x - f(x) + 4 x$$

Sequence: A191466
Score: 12.2710
Type of gen. func.: lgdogf

$$-\frac{90 x - 14}{45 x^2 - 14 x + 1}$$

Sequence: A191466
Score: 16.3613
Type of gen. func.: ogf

$$\frac{4 x}{(9 x - 1) (-1 + 5 x)}$$

Sequence: A191466
Score: 22.4680
Type of gen. func.: lgdogf

$$-\frac{2 (-7 + 45 x)}{(9 x - 1) (-1 + 5 x)}$$

Sequence: A191466
Score: 7.68783
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1) + 45 a(n), a(0) = 0, a(1) = 4\}$$

Sequence: A191467
Score: 10.4605
Type of gen. func.: ogf

$$-63 f(x) x^2 + 16 f(x) x - f(x) + 2 x$$

Sequence: A191467
Score: 12.0394
Type of gen. func.: lgdogf

$$-\frac{126 x - 16}{63 x^2 - 16 x + 1}$$

Sequence: A191467
Score: 16.3613
Type of gen. func.: ogf

$$\frac{2 x}{(9 x - 1) (7 x - 1)}$$

Sequence: A191467
Score: 22.4680
Type of gen. func.: lgdogf

$$-\frac{2 (-8 + 63 x)}{(9 x - 1) (7 x - 1)}$$

Sequence: A191467
Score: 7.68783
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1) + 63 a(n), a(0) = 0, a(1) = 2\}$$

Sequence: A191468
Score: 11.1799
Type of gen. func.: ogf

$$-40 f(x) x^2 + 13 f(x) x - f(x) + 3 x$$

Sequence: A191468
Score: 13.1148
Type of gen. func.: lgdogf

$$-\frac{80 x - 13}{40 x^{2} - 13 x + 1}$$

Sequence: A191468
Score: 17.4865
Type of gen. func.: ogf

$$\frac{3 x}{(8 x - 1) (-1 + 5 x)}$$

Sequence: A191468
Score: 24.9200
Type of gen. func.: lgdogf

$$-\frac{80 x - 13}{(8 x - 1) (-1 + 5 x)}$$

Sequence: A191468
Score: 8.21653
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1) + 40 a(n), a(0) = 0, a(1) = 3\}$$

Sequence: A191484
Score: 4.84390
Type of gen. func.: ogf

$$\frac{16 x^{4} + 41 x^{3} + 51 x^{2} + 11 x + 1}{(x + 1) (x - 1)^{6}}$$

Sequence: A191484
Score: 6.43769
Type of gen. func.: lgdogf

$$-\frac{4 (12 x^{5} + 61 x^{4} + 131 x^{3} + 111 x^{2} + 41 x + 4)}{{}^{4} \qquad {}^{3} \qquad {}^{2}}$$

$$(x - 1) (x + 1) (16 x + 41 x + 51 x + 11 x + 1)$$

Sequence: A191489
Score: 4.61366
Type of gen. func.: ogf

$$- \frac{(x^2 + 10 x + 1) (x^4 + 16 x^3 + 26 x^2 + 16 x + 1)}{(x + 1) (x - 1)^7}$$

Sequence: A191494
Score: 4.52855
Type of gen. func.: ogf

$$\frac{64 x^6 + 645 x^5 + 1821 x^4 + 1786 x^3 + 666 x^2 + 57 x + 1}{(x + 1) (x - 1)^8}$$

Sequence: A191495
Score: 4.39135
Type of gen. func.: ogf

$$- (x^8 + 120 x^7 + 2284 x^6 + 9928 x^5 + 15654 x^4 + 9928 x^3 + 2284 x^2 + 120 x + 1) / ((x + 1) (x - 1)^9)$$

Sequence: A191496
Score: 4.23090
Type of gen. func.: ogf

$$(256 x^8 + 7537 x^7 + 51463 x^6 + 122149 x^5 + 122275 x^4 + 51379 x^3 + 7573 x^2 + 247 x + 1) / ((x + 1) (x - 1)^{10})$$

Sequence: A191497
Score: 14.6683
Type of gen. func.: ogf

$$-\frac{x^4}{(2x-1)(x^4+1)}$$

Sequence: A191497
Score: 17.6882
Type of gen. func.: lgdogf

$$-\frac{2(5x^4-2x^3+1)}{(2x-1)(x^4+1)}$$

Sequence: A191497
Score: 8.71594
Type of gen. func.: lgdogf

$$-\frac{10x^4-4x^3+2}{2x^5-x^4+2x-1}$$

Sequence: A191501
Score: 12.5179
Type of gen. func.: ogf

$$-4x^3-4x^2-4x-3+4f(x)-f(x)^2$$

Sequence: A191501
Score: 3.94212
Type of gen. func.: ogf

$\{(-4n+6)a(n)-4a(n+1)n+(-4n-6)a(n+2)+(n+3)a(n+3),$

$a(0)=1, a(1)=2, a(2)=4, a(3)=10\}$

Sequence: A191519
Score: 6.17439
Type of gen. func.: ogf

$$-f(x)^2 x^4 - f(x)^2 x^3 - f(x)^2 x^2 + f(x)^2 x - f(x) x^2 - 2 f(x) x + f(x) - 1$$

Sequence: A191520
Score: 4.04099
Type of gen. func.: ogf

$$16 f(x)^2 x^4 + 8 f(x) x^5 + x^6 - 16 f(x)^2 x^3 - 4 f(x) x^4 - 10 f(x) x^3 + 4 f(x)^2 x + 5 f(x) x^2 - f(x)^2 + 2 f(x) x - f(x)$$

Sequence: A191526
Score: 5.96341
Type of gen. func.: ogf

$$-2 f(x)^2 x^4 + f(x)^2 x^3 - 4 f(x)^2 x^2 + 2 f(x)^2 x + 2 f(x) x^2 - 3 f(x) x + f(x) - 1$$

Sequence: A191527
Score: 4.15696
Type of gen. func.: ogf

$$\{(-4 n^3 - 8 n^2 - 4 n) a(n) + (-2 n^2 + 2) a(n + 1) + (n^3 + 2 n^2 - 3 n) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 3\}$$

Sequence: A191529
Score: 6.47321
Type of gen. func.: ogf

$$-2 f(x)^2 x^2 + 2 f(x) x^3 - x^4 + f(x)^2 x + 3 f(x) x^2 - 4 f(x) x - 2 x^2 + f(x) + 3 x - 1$$

Sequence: A191531
Score: 4.19272
Type of gen. func.: ogf

2 5 2 4 2 3 2 2 3 2

$$-2 f(x) x + 9 f(x) x - 16 f(x) x + 14 f(x) x - 4 f(x) x - 6 f(x) x$$

$$+ 10 f(x) x^{2} - 2 x^{3} + f(x)^{2} - 8 f(x) x + 3 x^{2} + 2 f(x) - 2 x$$

Sequence: A191559
Score: 10.7524
Type of gen. func.: ogf

$$-390625 f(x) x + f(x) - 25$$

Sequence: A191560
Score: 11.2058
Type of gen. func.: ogf

$$-390625 f(x) x + f(x) - 15625$$

Sequence: A191560
Score: 26.2620
Type of gen. func.: lgdogf

$$-\frac{390625}{-1 + 390625 x}$$

Sequence: A191566
Score: 12.0480
Type of gen. func.: ogf

$$\frac{-1 + 4 x}{(2 x + 1) (7 x - 1)}$$

Sequence: A191566
Score: 13.2251
Type of gen. func.: lgdogf

$$-\frac{56 x^{2} - 28 x - 1}{(2 x + 1) (7 x - 1) (-1 + 4 x)}$$

Sequence: A191566
Score: 6.15789
Type of gen. func.: ogf

$$(375 f(x) - 374) (14 f(x) x^2 + 5 f(x) x - f(x) - 4 x + 1)$$

Sequence: A191566
Score: 6.67723
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + 14 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A191566
Score: 8.27179
Type of gen. func.: lgdogf

$$- \frac{56 x^2 - 28 x - 1}{56 x^3 + 6 x^2 - 9 x + 1}$$

Sequence: A191567
Score: 6.48582
Type of gen. func.: ogf

$$\frac{x (2 x^{10} - 6 x^8 - x^7 - 36 x^6 - 12 x^5 - 52 x^4 - 3 x^3 - 30 x^2 - 4 x - 6)}{(x - 1)^3 (x + 1)^3 (x^2 + 1)^3}$$

Sequence: A191584
Score: 10.1852
Type of gen. func.: lgdogf

$$- \frac{-9 x^4 + 6 x^3 + 13 x^2 - 8 x}{-3 x^5 + 7 x^3 - 3 x^2 - 2 x + 1}$$

Sequence: A191584
Score: 14.1926
Type of gen. func.: ogf

$$-\frac{x-1}{(3x^2-1)(x^2+x-1)}$$

Sequence: A191584
Score: 17.0967
Type of gen. func.: lgdogf

$$-\frac{x(9x^3-6x^2-13x+8)}{(x-1)(3x^2-1)(x^2+x-1)}$$

Sequence: A191584
Score: 7.15492
Type of gen. func.: ogf

$$(4f(x)+1)(3f(x)x^4+3f(x)x^3-4f(x)x^2-f(x)x+f(x)+x-1)$$

Sequence: A191585
Score: 5.47953
Type of gen. func.: ogf

$$36f(x)^2x^3+15f(x)^2x^2-14f(x)^2x-12f(x)x^2+2f(x)^2+11f(x)x-2f(x)+x$$

Sequence: A191586
Score: 5.29146
Type of gen. func.: ogf

$$5f(x)^3x^4-24f(x)^3x^3+4f(x)^3x^2-12f(x)^3x+4f(x)^3-6f(x)x^2-3f(x)x-4f(x)-x$$

Sequence: A191593
Score: 12.1200
Type of gen. func.: lgdogf

$$-\frac{2(x^3+42x^2+84x+17)}{(x-1)(2x^3+39x^2+30x+1)}$$

Sequence: A191593
Score: 4.10295
Type of gen. func.: ogf

$$(15035904 f(x) + 401757737) \left(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 2 x^3 - 4 f(x) x - 39 x^2 + f(x) - 30 x - 1 \right)$$

Sequence: A191593
Score: 7.34714
Type of gen. func.: lgdogf

$$-\frac{2x^3+84x^2+168x+34}{2x^4+37x^3-9x^2-29x-1}$$

Sequence: A191593
Score: 7.99815
Type of gen. func.: ogf

$$\frac{2x^3+39x^2+30x+1}{(x-1)^4}$$

Sequence: A191596
Score: 15.8727
Type of gen. func.: lgdogf

$$-\frac{3x+11}{x^2-1}$$

Sequence: A191596

Score: 32.1568
Type of gen. func.: ogf_with_Euler_transform]

$$[11 - 4 x]$$

Sequence: A191596
Score: 33.3588
Type of gen. func.: lgdogf

$$- \frac{3 x + 11}{(x - 1) (x + 1)}$$

Sequence: A191596
Score: 5.21365
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 3) + 11 a(n + 2) + (n + 4) a(n + 1), a(0) = 1, a(1) = 11, a(2) = 62\}$$

Sequence: A191596
Score: 6.32097
Type of gen. func.: ogf

$$- \frac{(x + 1)^4}{(x - 1)^7}$$

Sequence: A191597
Score: 12.8038
Type of gen. func.: ogf

$$- \frac{x (3 x + 1)}{(-1 + 4 x) (x^2 + x + 1)}$$

Sequence: A191597
Score: 14.6947
Type of gen. func.: lgdogf

3   2

$$-\frac{3 (8 x + 7 x + 2 x + 2)}{(3 x + 1) (-1 + 4 x) (x^2 + x + 1)}$$

Sequence: A191597
Score: 6.51619
Type of gen. func.: ogf

$$(1379 f(x) + 795) (4 f(x) x^3 + 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) + x)$$

Sequence: A191597
Score: 6.57490
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + 3 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 1, a(2) = 6\}$$

Sequence: A191597
Score: 9.01005
Type of gen. func.: lgdogf

$$-\frac{24 x^3 + 21 x^2 + 6 x + 6}{12 x^4 + 13 x^3 + 12 x^2 - 1}$$

Sequence: A191625
Score: 4.61252
Type of gen. func.: ogf

$$-2 f(x)^2 x^4 + 2 f(x)^2 x^3 + 2 f(x) x^4 + 2 f(x)^2 x^2 - 4 f(x) x^3 - f(x)^2 x + 2 x^3 + 6 f(x) x - 2 x^2 - 2 f(x) - x + 2$$

Sequence: A191649
Score: 17.8576
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 3 x^2 - x - 3}{{}^4 \quad {}^3 \quad {}^2}$$

$$x + 2 x - x - 6 x + 1$$

Sequence: A191649
Score: 7.70437
Type of gen. func.: ogf

$$-f(x)^2 x^4 - 2 f(x)^2 x^3 + f(x)^2 x^2 + 6 f(x)^2 x - f(x)^2 + 1$$

Sequence: A191649
Score: 9.53415
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 3 x^2 - x - 3}{x^4 + 2 x^3 - x^2 - 6 x + 1}$$

Sequence: A191651
Score: 7.58213
Type of gen. func.: ogf

$$-\frac{x^8 + x^7 - x^5 - 2 x^4 - 2}{(x^3 + x - 1) (x^6 - x^4 - 1)}$$

Sequence: A191662
Score: 12.5811
Type of gen. func.: egf]

$$\frac{x^2 + x + 1}{(x + 1)^2 (x - 1)^2}$$

Sequence: A191662
Score: 16.7799
Type of gen. func.: lgdegf]

$$-\frac{2 x^3 + 3 x^2 + 6 x + 1}{}$$

$$(x - 1) (x + 1) (x^2 + x + 1)$$

Sequence: A191662
Score: 7.31757
Type of gen. func.: egf]

$$-(14 f(x) + 9) (f(x) x^4 - 2 f(x) x^2 - x^2 + f(x) - x - 1)$$

Sequence: A191662
Score: 9.96001
Type of gen. func.: lgdegf]

$$-\frac{2 x^3 + 3 x^2 + 6 x + 1}{x^4 + x^3 - x - 1}$$

Sequence: A191680
Score: 4.13703
Type of gen. func.: ogf

$$x (x^8 + 247 x^7 + 7573 x^6 + 51379 x^5 + 122275 x^4 + 122149 x^3 + 51463 x^2 + 7537 x + 256) / ((x + 1) (x - 1)^{10})$$

Sequence: A191681
Score: 10.4351
Type of gen. func.: ogf

$$-9 f(x) x^2 + 10 f(x) x - f(x) + 4 x$$

Sequence: A191681
Score: 12.2766
Type of gen. func.: lgdogf

$$-\frac{18 x - 10}{9 x^2 - 10 x + 1}$$

Sequence: A191681
Score: 16.4765
Type of gen. func.: ogf

$$\frac{4 x}{(9 x - 1) (x - 1)}$$

Sequence: A191681
Score: 44.4405
Type of gen. func.: lgdogf

$$- \frac{2 (-5 + 9 x)}{(9 x - 1) (x - 1)}$$

Sequence: A191681
Score: 7.63546
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 9 a(n), a(0) = 0, a(1) = 4\}$$

Sequence: A191682
Score: 4.48634
Type of gen. func.: ogf

$$- \frac{2 (x^{15} + x^{7} + x^{3} + x + 1)}{x - 1}$$

Sequence: A191697
Score: 14.7398
Type of gen. func.: ogf

$$- \frac{2 x (3 x + 2)}{2 x^{3} + 2 x^{2} - 1}$$

Sequence: A191697

Score: 8.22323
Type of gen. func.: ogf

$$-(19 f(x) - 35) (2 f(x) x^3 + 2 f(x) x^2 + 6 x^2 - f(x) + 4 x)$$

Sequence: A191697
Score: 8.40008
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 4, a(2) = 6\}$$

Sequence: A191697
Score: 9.41213
Type of gen. func.: lgdogf

$$-\frac{12 x^3 + 18 x^2 + 8 x + 3}{6 x^4 + 10 x^3 + 4 x^2 - 3 x - 2}$$

Sequence: A191698
Score: 4.37349
Type of gen. func.: ogf

$$\frac{x (3 x^4 + 58 x^3 + 139 x^2 + 128 x + 38)}{(x + 1)^2 (x - 1)^4}$$

Sequence: A191721
Score: 5.88722
Type of gen. func.: ogf

$$(61 f(x) + 35)$$

$$(f(x) x^4 - 2 f(x) x^3 - 3 f(x) x^2 + x^3 + 5 f(x) x - f(x) - 4 x + 1)$$

Sequence: A191721
Score: 8.21340
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 - 3x + 1}{(x - 1)(x^3 - x^2 - 4x + 1)}$$

Sequence: A191721
Score: 8.26293
Type of gen. func.: lgdogf

$$-\frac{x^6 - 2x^5 - 4x^4 + 6x^3 + 11x^2 - 8x + 2}{(x - 1)(x^3 - x^2 - 4x + 1)(x^3 - x^2 - 3x + 1)}$$

Sequence: A191745
Score: 15.1954
Type of gen. func.: lgdogf

$$-\frac{2(5x^2 + 71x + 68)}{(x - 1)(5x^2 + 44x + 23)}$$

Sequence: A191745
Score: 4.17647
Type of gen. func.: ogf

$$(1383168 f(x) + 32730103)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 5x^3 - 4 f(x) x - 44x^2 + f(x) - 23x)$$

Sequence: A191745
Score: 8.24157
Type of gen. func.: ogf

$$\frac{x(5x^2 + 44x + 23)}{(x - 1)^4}$$

Sequence: A191745
Score: 8.58497

Type of gen. func.: lgdogf

$$-\frac{10 x^2 + 142 x + 136}{5 x^3 + 39 x^2 - 21 x - 23}$$

Sequence: A191754

Score: 55.0257

Type of gen. func.: ogf_with_Euler_transform]

$$1$$

Sequence: A191759

Score: 12.1610

Type of gen. func.: ogf

$$-\frac{x^4 + 9 x^3 + 5 x^2 + 9 x + 1}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A191760

Score: 7.47509

Type of gen. func.: ogf

$$-\frac{x^8 + 9 x^7 + 7 x^6 + 4 x^5 + 9 x^4 + 4 x^3 + 7 x^2 + 9 x + 1}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A191761

Score: 7.32973

Type of gen. func.: lgdogf

$$-\frac{4 x^7 + 9 x^6 + 12 x^5 + 10 x^4 + 6 x^2 + 6 x + 3}{(x - 1) (x + 1) (2 x^2 + x + 2) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A191761

Score: 9.08439

Type of gen. func.: ogf

$$-\frac{2 x (x + 1) (2 x^2 + x + 2)}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A191762
Score: 5.50994
Type of gen. func.: ogf

$$-\frac{9 x^8 + 4 x^7 + 7 x^6 + 9 x^5 + x^4 + x^3 + 9 x^2 + 7 x + 4}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A191797
Score: 12.8971
Type of gen. func.: ogf

$$-\frac{x^3}{(x + 1) (x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A191797
Score: 13.0614
Type of gen. func.: lgdogf

$$-\frac{5 x^4 - 4 x^3 - 15 x^2 + 2 x + 3}{(x + 1) (x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A191797
Score: 6.72412
Type of gen. func.: ogf

$$-f(x) x^5 + f(x) x^4 + 5 f(x) x^3 - f(x) x^2 - x^3 - 3 f(x) x + f(x)$$

Sequence: A191797

Score: 8.11055
Type of gen. func.: lgdogf

$$-\frac{5x^4-4x^3-15x^2+2x+3}{x^5-x^4-5x^3+x^2+3x-1}$$

Sequence: A191821
Score: 6.18023
Type of gen. func.: ogf

$$-\frac{2(4x^5-22x^4+31x^3-19x^2+6x-1)}{(2x-1)^3(x-1)^3}$$

Sequence: A191821
Score: 7.63181
Type of gen. func.: lgdogf

$$-\frac{8x^6-64x^5+100x^4-64x^3+24x^2-10x+3}{(x-1)(2x-1)(4x^5-22x^4+31x^3-19x^2+6x-1)}$$

Sequence: A191830
Score: 11.4154
Type of gen. func.: ogf

$$-\frac{x^2(-2+3x)}{(x^2+x-1)^2}$$

Sequence: A191830
Score: 12.3073
Type of gen. func.: lgdogf

$$-\frac{-9x^2+5x+1}{-3x^3-x^2+5x-2}$$

Sequence: A191830

Score: 22.9511

Type of gen. func.: lgdogf

$$-\frac{9 x^2 - 5 x - 1}{(-2 + 3 x) (x^2 + x - 1)}$$

Sequence: A191830

Score: 4.45008

Type of gen. func.: ogf

$$\{(-n^2 - 17 n - 30) a(n + 1) + (-n^2 - 16 n - 7) a(n + 2) + (n^2 + 15 n + 14) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A191830

Score: 5.83456

Type of gen. func.: ogf

$$-(26 f(x) + 85) (f(x) x^4 + 2 f(x) x^3 - f(x) x^2 + 3 x^3 - 2 f(x) x - 2 x^2 + f(x))$$

Sequence: A191869

Score: 7.12604

Type of gen. func.: ogf

$$-\frac{x^2 (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}{x^{11} + x^9 + x^7 + x^5 + x^3 + x - 1}$$

Sequence: A191899

Score: 4.67878

Type of gen. func.: ogf

$$-\frac{16 x (8 x^6 + 141 x^5 + 624 x^4 + 974 x^3 + 624 x^2 + 141 x + 8)}{(x + 1) (x - 1)^9}$$

Sequence: A191900
Score: 4.39744
Type of gen. func.: ogf

$$\frac{x\,(x^6 + 57\,x^5 + 666\,x^4 + 1786\,x^3 + 1821\,x^2 + 645\,x + 64)}{(x + 1)\,(x - 1)^8}$$

Sequence: A191901
Score: 6.67568
Type of gen. func.: ogf

$$-\frac{4\,x\,(8\,x^4 + 43\,x^3 + 78\,x^2 + 43\,x + 8)}{(x + 1)\,(x - 1)^7}$$

Sequence: A191901
Score: 7.07169
Type of gen. func.: lgdogf

$$-\frac{32\,x^5 + 263\,x^4 + 758\,x^3 + 898\,x^2 + 478\,x + 91}{8\,x^6 + 43\,x^5 + 70\,x^4 - 70\,x^2 - 43\,x - 8}$$

Sequence: A191901
Score: 9.92961
Type of gen. func.: lgdogf

$$-\frac{32\,x^5 + 263\,x^4 + 758\,x^3 + 898\,x^2 + 478\,x + 91}{(x - 1)\,(x + 1)\,(8\,x^4 + 43\,x^3 + 78\,x^2 + 43\,x + 8)}$$

Sequence: A191902
Score: 6.16357
Type of gen. func.: ogf

$$x\,(x^4 + 11\,x^3 + 51\,x^2 + 41\,x + 16)$$

$$\overline{(x + 1) (x - 1)^{6}}$$

Sequence: A191902
Score: 8.77575
Type of gen. func.: lgdogf

$$- \frac{3 x^{5} + 49 x^{4} + 314 x^{3} + 534 x^{2} + 419 x + 121}{(x - 1) (x + 1) (x^{4} + 11 x^{3} + 51 x^{2} + 41 x + 16)}$$

Sequence: A191903
Score: 16.6192
Type of gen. func.: lgdogf

$$- \frac{4 x^{3} + 9 x^{2} + 12 x + 5}{(x - 1) (x + 1) (x^{2} + x + 1)}$$

Sequence: A191903
Score: 28.7751
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{2} + x + 5$$

Sequence: A191903
Score: 8.95421
Type of gen. func.: ogf

$$- \frac{8 (x^{2} + x + 1) x}{(x + 1) (x - 1)^{5}}$$

Sequence: A191903
Score: 9.93549
Type of gen. func.: lgdogf

3   2

$$-\frac{-4x - 9x - 12x - 5}{-x^4 - x^3 + x + 1}$$

Sequence: A191967
Score: 8.17676
Type of gen. func.: lgdogf

$$-\frac{-4x^4 - 20x^3 - 24x^2 - 20x - 4}{-2x^5 - 6x^4 - x^3 + 5x^2 + 3x + 1}$$

Sequence: A191967
Score: 9.09549
Type of gen. func.: ogf

$$-\frac{x(2x^3 + 6x^2 + 3x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A191968
Score: 14.8068
Type of gen. func.: ogf

$$\frac{x + 29}{x^2 - 47x + 1}$$

Sequence: A191968
Score: 18.5089
Type of gen. func.: lgdogf

$$-\frac{x^2 + 58x - 1364}{(x + 29)(x^2 - 47x + 1)}$$

Sequence: A191968
Score: 7.4034
Type of gen. func.: ogf

$$(32025 f(x) + 1523) (f(x) x^2 - 47 f(x) x + f(x) - x - 29)$$

Sequence: A191968
Score: 7.99908
Type of gen. func.: ogf

$$\{-a(n + 2) + 47 a(n + 1) - a(n), a(0) = 29, a(1) = 1364\}$$

Sequence: A191968
Score: 9.53315
Type of gen. func.: lgdogf

$$- \frac{x^2 + 58 x - 1364}{x^3 - 18 x^2 - 1362 x + 29}$$

Sequence: A191993
Score: 4.12693
Type of gen. func.: ogf

$$\{(12 n^2 + 54 n + 60) a(n + 1) + (-7 n^2 - 33 n - 32) a(n + 2)$$

$$+ (n^2 + 5 n + 4) a(n + 3), a(0) = 2, a(1) = 6, a(2) = 19\}$$

Sequence: A191993
Score: 4.39554
Type of gen. func.: ogf

$$-36 f(x)^2 x^4 + 33 f(x)^2 x^3 - 10 f(x)^2 x^2 - 60 f(x) x^3 + f(x)^2 x + 47 f(x) x^2$$

$$- 12 f(x) x - 25 x^2 + f(x) + 14 x - 2$$

Sequence: A192019
Score: 5.49649
Type of gen. func.: ogf

4 2

$$\frac{x - 3 x + 4 x + 1}{(x + 1)^2 (x^2 - 3 x + 1)^2 (x^2 + x - 1)^2}$$

Sequence: A192021
Score: 13.7334
Type of gen. func.: lgdogf

$$-\frac{24 x - 10}{8 x^2 - 6 x + 1}$$

Sequence: A192021
Score: 17.1668
Type of gen. func.: ogf

$$-\frac{1}{(2 x - 1) (-1 + 4 x)^2}$$

Sequence: A192021
Score: 24.0761
Type of gen. func.: lgdogf

$$-\frac{2 (-5 + 12 x)}{(-1 + 4 x) (2 x - 1)}$$

Sequence: A192021
Score: 5.86899
Type of gen. func.: ogf

{a(n + 3) - 10 a(n + 2) + 32 a(n + 1) - 32 a(n), a(0) = 1, a(1) = 10, a(2) = 68

}

Sequence: A192021
Score: 6.78808
Type of gen. func.: ogf

$$(10 f(x) + 1) (32 f(x) x^3 - 32 f(x) x^2 + 10 f(x) x - f(x) + x)$$

Sequence: A192023
Score: 12.1558
Type of gen. func.: ogf

$$-\frac{3x^2-6x-1}{(x-1)^4}$$

Sequence: A192023
Score: 12.7083
Type of gen. func.: lgdogf

$$-\frac{-6x^2+12x+10}{-3x^3+9x^2-5x-1}$$

Sequence: A192023
Score: 22.2622
Type of gen. func.: lgdogf

$$-\frac{2(3x^2-6x-5)}{(x-1)(3x^2-6x-1)}$$

Sequence: A192023
Score: 4.19374
Type of gen. func.: ogf

$\{(-n-4)\,a(n+4)+(-5-5n)\,a(n+3)+(30+9n)\,a(n+2)$

$+(-9-3n)\,a(n+1),\ a(0)=1,\ a(1)=10,\ a(2)=31,\ a(3)=68\}$

Sequence: A192023
Score: 6.25931
Type of gen. func.: ogf

$(360 f(x) + 4061)$

$(f(x)x^4-4f(x)x^3+6f(x)x^2-4f(x)x+3x^2+f(x)-6x-1)$

Sequence: A192025
Score: 11.3828
Type of gen. func.: ogf

$$-\frac{8 x^2 - 13 x - 4}{(x - 1)^4}$$

Sequence: A192025
Score: 11.7176
Type of gen. func.: lgdogf

$$-\frac{-16 x^2 + 23 x + 29}{-8 x^3 + 21 x^2 - 9 x - 4}$$

Sequence: A192025
Score: 20.0524
Type of gen. func.: lgdogf

$$-\frac{16 x^2 - 23 x - 29}{(x - 1) (8 x^2 - 13 x - 4)}$$

Sequence: A192025
Score: 3.90587
Type of gen. func.: ogf

$\{(-4 n - 16) a(n + 4) + (2 - 9 n) a(n + 3) + (65 + 21 n) a(n + 2)$

$+ (-24 - 8 n) a(n + 1), a(0) = 4, a(1) = 29, a(2) = 84, a(3) = 178\}$

Sequence: A192025
Score: 5.73236
Type of gen. func.: ogf

(10512 f(x) + 416539)

4 3 2 2

$$(f(x) x - 4 f(x) x + 6 f(x) x - 4 f(x) x + 8 x + f(x) - 13 x - 4)$$

Sequence: A192031
Score: 4.49625
Type of gen. func.: ogf

$$(3 x^{13} + 3 x^{12} - 3 x^{11} - 6 x^{10} - 2 x^{9} - 16 x^{8} + 11 x^{7} + 10 x^{6} - 3 x^{5} + 22 x^{4} - 9 x^{3} - 3 x^{2} - 9) \Big/ ((x + 1)^{2} (x - 1)^{3} (x^{2} + 1)^{3})$$

Sequence: A192033
Score: 12.3694
Type of gen. func.: ogf

$$\frac{x (3 x^{2} + x + 1)}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A192033
Score: 6.09098
Type of gen. func.: ogf

$$\{-a(n + 4) + 2 a(n + 3) + a(n + 2) - 2 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 10\}$$

Sequence: A192033
Score: 6.53667
Type of gen. func.: ogf

$$-(1329 f(x) - 94) (2 f(x) x^{3} - f(x) x^{2} - 3 x^{3} - 2 f(x) x - x^{2} + f(x) - x)$$

Sequence: A192033
Score: 9.03382
Type of gen. func.: lgdogf

$$- \frac{-6 x^{4} - 4 x^{3} - 11 x^{2} + 8 x + 3}{-6 x^{5} + x^{4} + 5 x^{3} + x - 1}$$

Sequence: A192068
Score: 12.6421
Type of gen. func.: lgdogf

$$-\frac{6x^4 - 24x^3 + 27x^2 - 7}{(x-1)(-3+2x)(x+1)(x^2-3x+1)}$$

Sequence: A192068
Score: 12.8194
Type of gen. func.: ogf

$$\frac{x(-3+2x)}{(x^2-3x+1)(x-1)(x+1)}$$

Sequence: A192068
Score: 6.52414
Type of gen. func.: ogf

$$(6920 f(x) - 859)(f(x) x^4 - 3 f(x) x^3 + 3 f(x) x - 2 x^2 - f(x) + 3 x)$$

Sequence: A192068
Score: 7.69162
Type of gen. func.: lgdogf

$$-\frac{-6x^4 + 24x^3 - 27x^2 + 7}{-2x^5 + 9x^4 - 9x^3 - 6x^2 + 11x - 3}$$

Sequence: A192069
Score: 5.01855
Type of gen. func.: ogf

$$\frac{x(x^4 - 3x^3 + 4x^2 - 2x + 1)}{(x-1)(x^2+x-1)^5}$$

Sequence: A192069
Score: 8.52349
Type of gen. func.: lgdogf

$$-\frac{7 x^{6} - 28 x^{5} + 50 x^{4} - 40 x^{3} + 20 x^{2} - 4 x - 4}{(x - 1) (x^{2} + x - 1) (x^{4} - 3 x^{3} + 4 x^{2} - 2 x + 1)}$$

Sequence: A192080
Score: 10.7522
Type of gen. func.: lgdogf

$$-\frac{6 (5 x^{4} - 10 x^{3} + 10 x^{2} - 5 x + 1)}{(2 x - 1) (x^{2} - x + 1) (3 x^{2} - 3 x + 1)}$$

Sequence: A192080
Score: 12.1471
Type of gen. func.: ogf

$$-\frac{1}{(2 x - 1) (x^{2} - x + 1) (3 x^{2} - 3 x + 1)}$$

Sequence: A192096
Score: 27.7103
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{2}{-x^{2} + 1}$$

Sequence: A192107
Score: 11.3337
Type of gen. func.: lgdogf

```
          500 x - 55
      - -----------------
               2
```

$$250 x - 55 x + 1$$

Sequence: A192107
Score: 16.5411
Type of gen. func.: ogf

$$\frac{25}{(50 x - 1) (-1 + 5 x)}$$

Sequence: A192107
Score: 6.58085
Type of gen. func.: ogf

$$(11111 f(x) + 88250) (250 f(x) x^2 - 55 f(x) x + f(x) - 25)$$

Sequence: A192107
Score: 6.87662
Type of gen. func.: ogf

$$\{-a(n + 2) + 55 a(n + 1) - 250 a(n), a(0) = 25, a(1) = 1375\}$$

Sequence: A192132
Score: 7.97422
Type of gen. func.: ogf

$$2 f(x)^3 x - 3 f(x)^2 x + 3 f(x) x - f(x) - x + 1$$

Sequence: A192136
Score: 12.8233
Type of gen. func.: lgdogf

$$- \frac{-5 x^2 - 8 x - 2}{-5 x^3 + 6 x^2 - 2 x + 1}$$

Sequence: A192136
Score: 13.4540

Type of gen. func.: ogf

$$-\frac{5x^2 - x + 1}{(x-1)^3}$$

Sequence: A192136
Score: 25.1628
Type of gen. func.: lgdogf

$$-\frac{5x^2 + 8x + 2}{(x-1)(5x^2 - x + 1)}$$

Sequence: A192136
Score: 7.13647
Type of gen. func.: ogf

$$(275 f(x) - 392) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 5 x^2 - f(x) - x + 1)$$

Sequence: A192136
Score: 7.32762
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 8\}$$

Sequence: A192142
Score: 6.54326
Type of gen. func.: ogf

$$\frac{x (x^4 + 5x^2 - 2x + 3)}{(x-1)(x^2 + x - 1)^3}$$

Sequence: A192142
Score: 8.67742
Type of gen. func.: lgdogf

$$-\frac{3x^6 - 2x^5 + 29x^4 - 26x^3 + 25x^2 - 12x - 10}{(x - 1)(x^2 + x - 1)(x^4 + 5x^2 - 2x + 3)}$$

Sequence: A192143
Score: 6.28150
Type of gen. func.: ogf

$$\frac{6x^4 - 12x^3 + 15x^2 - 3x + 1}{(x - 1)(x^2 + x - 1)^3}$$

Sequence: A192143
Score: 7.59601
Type of gen. func.: lgdogf

$$-\frac{18x^6 - 60x^5 + 123x^4 - 96x^3 + 49x^2 - 26x - 1}{(x - 1)(x^2 + x - 1)(6x^4 - 12x^3 + 15x^2 - 3x + 1)}$$

Sequence: A192144
Score: 6.73823
Type of gen. func.: ogf

$$-\frac{x(3x^3 - 11x^2 + 3x - 6)}{(x - 1)(x^2 + x - 1)^3}$$

Sequence: A192144
Score: 9.38731
Type of gen. func.: lgdogf

$$-\frac{12x^5 - 61x^4 + 46x^3 - 57x^2 + 28x + 21}{(x - 1)(x^2 + x - 1)(3x^3 - 11x^2 + 3x - 6)}$$

Sequence: A192145

Score: 6.27676
Type of gen. func.: ogf

$$\frac{4x^4 - 9x^3 + 12x^2 - 3x + 1}{(x-1)(x^2+x-1)^3}$$

Sequence: A192145
Score: 7.69135
Type of gen. func.: lgdogf

$$-\frac{12x^6 - 44x^5 + 94x^4 - 76x^3 + 40x^2 - 20x - 1}{(x-1)(x^2+x-1)(4x^4 - 9x^3 + 12x^2 - 3x + 1)}$$

Sequence: A192146
Score: 6.60805
Type of gen. func.: ogf

$$-\frac{x(2x^3 - 8x^2 + 3x - 5)}{(x-1)(x^2+x-1)^3}$$

Sequence: A192146
Score: 9.36495
Type of gen. func.: lgdogf

$$-\frac{8x^5 - 44x^4 + 38x^3 - 47x^2 + 20x + 17}{(x-1)(x^2+x-1)(2x^3 - 8x^2 + 3x - 5)}$$

Sequence: A192218
Score: 6.37610
Type of gen. func.: ogf

$$-\frac{x^{35} - 2x^{34} + x^{30} - 3x^{29} + x^{28} - x + 2}{(x^{34} + x^{29} - 1)(x-1)^2}$$

Sequence: A192232
Score: 11.5935
Type of gen. func.: ogf

$$-\frac{x^2 + x - 1}{x^4 + x^3 - 3 x^2 - x + 1}$$

Sequence: A192232
Score: 13.6084
Type of gen. func.: lgdogf

$$-\frac{x (2 x^4 + 4 x^3 - 2 x^2 - 5 x + 4)}{(x^2 + x - 1) (x^4 + x^3 - 3 x^2 - x + 1)}$$

Sequence: A192232
Score: 5.9698
Type of gen. func.: ogf

$$-(16 f(x) + 1) (f(x) x^4 + f(x) x^3 - 3 f(x) x^2 - f(x) x + x^2 + f(x) + x - 1)$$

Sequence: A192232
Score: 7.40698
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 4 x^4 - 2 x^3 - 5 x^2 + 4 x}{x^6 + 2 x^5 - 3 x^4 - 5 x^3 + 3 x^2 + 2 x - 1}$$

Sequence: A192234
Score: 10.3500
Type of gen. func.: lgdogf

$$-\frac{2 (x + 1) (x^4 - 5 x^3 + 7 x^2 - x + 2)}{(x^2 - 2 x - 1) (x^4 - 2 x^3 - 2 x^2 - 2 x + 1)}$$

Sequence: A192234
Score: 5.35562
Type of gen. func.: ogf

$(2 f(x) - 11)$

$$(f(x) x^4 - 2 f(x) x^3 - 2 f(x) x^2 + x^3 - 2 f(x) x + 2 x^2 + f(x) - x)$$

Sequence: A192234
Score: 9.49449
Type of gen. func.: ogf

$$- \frac{x (x^2 - 2 x - 1)}{x^4 - 2 x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A192235
Score: 10.3510
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 - x - 4) (x^3 - 3 x^2 - x - 1)}{(x - 3) (x + 1) (x^4 - 2 x^3 - 2 x^2 - 2 x + 1)}$$

Sequence: A192235
Score: 4.6691
Type of gen. func.: ogf

$-(12946 f(x) + 4905)$

$$(f(x) x^4 - 2 f(x) x^3 - 2 f(x) x^2 + x^3 - 2 f(x) x - 2 x^2 + f(x) - 3 x)$$

Sequence: A192235
Score: 9.21029
Type of gen. func.: ogf

$$- \frac{x (x + 1) (x - 3)}{x^4 - 2 x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A192236
Score: 14.1923
Type of gen. func.: ogf

$$\frac{2}{x^4 - 2 x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A192236
Score: 14.5157
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^3 - 3 x^2 - 2 x - 1)}{x^4 - 2 x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A192236
Score: 5.60824
Type of gen. func.: ogf

$$-(103 f(x) + 10) (f(x) x^4 - 2 f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + f(x) - 2)$$

Sequence: A192236
Score: 8.69278
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 6 x^2 - 4 x - 2}{x^4 - 2 x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A192237
Score: 14.7569
Type of gen. func.: ogf

$$\frac{1}{x^4 - 2 x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A192237
Score: 15.1012
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^3 - 3\,x^2 - 2\,x - 1)}{x^4 - 2\,x^3 - 2\,x^2 - 2\,x + 1}$$

Sequence: A192237
Score: 7.96398
Type of gen. func.: ogf

$$-(2\,f(x) + 1)\,(f(x)\,x^4 - 2\,f(x)\,x^3 - 2\,f(x)\,x^2 - x^3 - 2\,f(x)\,x + f(x))$$

Sequence: A192237
Score: 9.03859
Type of gen. func.: lgdogf

$$-\frac{4\,x^3 - 6\,x^2 - 4\,x - 2}{x^4 - 2\,x^3 - 2\,x^2 - 2\,x + 1}$$

Sequence: A192240
Score: 10.577
Type of gen. func.: ogf

$$11\,f(x)\,x^2 - 7\,f(x)\,x + f(x) + 4\,x - 1$$

Sequence: A192240
Score: 14.7158
Type of gen. func.: ogf

$$-\frac{-1 + 4\,x}{11\,x^2 - 7\,x + 1}$$

Sequence: A192240
Score: 17.0311
Type of gen. func.: lgdogf

$$-\frac{44 x^2 - 22 x + 3}{(-1 + 4 x) (11 x^2 - 7 x + 1)}$$

Sequence: A192240
Score: 8.15572
Type of gen. func.: ogf

{a(n + 2) - 7 a(n + 1) + 11 a(n), a(0) = 1, a(1) = 3}

Sequence: A192240
Score: 9.81051
Type of gen. func.: lgdogf

$$-\frac{-44 x^2 + 22 x - 3}{-44 x^3 + 39 x^2 - 11 x + 1}$$

Sequence: A192243
Score: 11.7580
Type of gen. func.: ogf

$$-\frac{2 x^2 - 2 x + 1}{(x^2 - 3 x + 1) (x - 1) (x + 1)}$$

Sequence: A192243
Score: 6.3472
Type of gen. func.: ogf

$$(85 f(x) - 24) (f(x) x^4 - 3 f(x) x^3 + 3 f(x) x + 2 x^2 - f(x) - 2 x + 1)$$

Sequence: A192243
Score: 9.64063

Type of gen. func.: lgdogf

$$-\frac{4x^5 - 12x^4 + 16x^3 - 15x^2 + 4x + 1}{(x - 1)(x + 1)(x^2 - 3x + 1)(2x^2 - 2x + 1)}$$

Sequence: A192244
Score: 6.43197
Type of gen. func.: ogf

$$-\frac{3x^3 - 6x^2 + 3x - 1}{(x - 1)(x^2 + x - 1)^3}$$

Sequence: A192244
Score: 8.83367
Type of gen. func.: lgdogf

$$-\frac{12x^5 - 36x^4 + 36x^3 - 22x^2 + 8x + 1}{(x - 1)(x^2 + x - 1)(3x^3 - 6x^2 + 3x - 1)}$$

Sequence: A192245
Score: 10.8272
Type of gen. func.: lgdogf

$$-\frac{10x^4 - 22x^3 + 27x^2 - 4x - 9}{(x - 1)(2x^2 - 3x + 3)(x^2 + x - 1)}$$

Sequence: A192245
Score: 6.80240
Type of gen. func.: ogf

$$\frac{x(2x^2 - 3x + 3)}{(x - 1)(x^2 + x - 1)^3}$$

Sequence: A192246
Score: 5.56320
Type of gen. func.: ogf

$$-\frac{5x^{4}-12x^{3}+12x^{2}-4x+1}{(x-1)(x^{2}+x-1)^{4}}$$

Sequence: A192246
Score: 7.73680
Type of gen. func.: lgdogf

$$-\frac{25x^{6}-87x^{5}+135x^{4}-100x^{3}+45x^{2}-15x-1}{(x-1)(x^{2}+x-1)(5x^{4}-12x^{3}+12x^{2}-4x+1)}$$

Sequence: A192247
Score: 5.58479
Type of gen. func.: ogf

$$\frac{x(-2+x)(3x^{2}-2x+2)}{(x-1)(x^{2}+x-1)^{4}}$$

Sequence: A192247
Score: 9.14631
Type of gen. func.: lgdogf

$$-\frac{18x^{5}-65x^{4}+75x^{3}-55x^{2}+10x+14}{(x-1)(-2+x)(3x^{2}-2x+2)(x^{2}+x-1)}$$

Sequence: A192248
Score: 4.53179
Type of gen. func.: ogf

$$-\frac{8x^{5}-25x^{4}+30x^{3}-20x^{2}+5x-1}{{}^{2}\qquad\qquad{}^{5}}$$

$$(x - 1) (x + x - 1)$$

Sequence: A192249
Score: 4.72442
Type of gen. func.: ogf

$$\frac{5 x (x^4 - 3 x^3 + 4 x^2 - 2 x + 1)}{(x - 1) (x^2 + x - 1)^5}$$

Sequence: A192249
Score: 8.18999
Type of gen. func.: lgdogf

$$- \frac{7 x^6 - 28 x^5 + 50 x^4 - 40 x^3 + 20 x^2 - 4 x - 4}{(x - 1) (x^2 + x - 1) (x^4 - 3 x^3 + 4 x^2 - 2 x + 1)}$$

Sequence: A192252
Score: 3.47724
Type of gen. func.: ogf

$$\{(n^2 + 7 n + 12) a(n + 1) + (-n^2 - 6 n - 8) a(n + 2) + (-n - 5) a(n + 3) + a(n + 4), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 9\}$$

Sequence: A192253
Score: 3.50815
Type of gen. func.: ogf

$$\{(n^2 + 7 n + 12) a(n + 1) + (-n^2 - 6 n - 8) a(n + 2) + (-n - 5) a(n + 3) + a(n + 4), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 15\}$$

Sequence: A192254
Score: 6.14712
Type of gen. func.: ogf

$$2 x^4 - 6 x^3 + 9 x^2 - 3 x + 1$$

$$\overline{(x - 1) (x^2 + x - 1)^3}$$

Sequence: A192254
Score: 7.63293
Type of gen. func.: lgdogf

$$- \frac{6 x^6 - 28 x^5 + 65 x^4 - 56 x^3 + 31 x^2 - 14 x - 1}{(x - 1) (x^2 + x - 1) (2 x^4 - 6 x^3 + 9 x^2 - 3 x + 1)}$$

Sequence: A192255
Score: 6.57566
Type of gen. func.: ogf

$$- \frac{x (x^3 - 5 x^2 + 3 x - 4)}{(x - 1) (x^2 + x - 1)^3}$$

Sequence: A192255
Score: 9.58085
Type of gen. func.: lgdogf

$$- \frac{4 x^5 - 27 x^4 + 30 x^3 - 37 x^2 + 12 x + 13}{(x - 1) (x^2 + x - 1) (x^3 - 5 x^2 + 3 x - 4)}$$

Sequence: A192256
Score: 4.92497
Type of gen. func.: ogf

$$- \frac{2 x^6 - 16 x^5 + 43 x^4 - 36 x^3 + 29 x^2 - 4 x + 1}{(x - 1) (x^2 + x - 1)^4}$$

Sequence: A192257
Score: 4.90444
Type of gen. func.: ogf

$$\frac{x (x^5 - 12 x^4 + 19 x^3 - 36 x^2 + 5 x - 8)}{(x - 1) (x^2 + x - 1)^4}$$

Sequence: A192299
Score: 5.69774
Type of gen. func.: ogf

$$- \frac{x^5 - 3 x^4 + 3 x^3 - 7 x^2 + 3 x - 1}{(x - 1) (x^2 + x - 1)^3}$$

Sequence: A192299
Score: 6.80240
Type of gen. func.: lgdogf

$$- \frac{2 x^7 - 11 x^6 + 24 x^5 - 58 x^4 + 50 x^3 - 22 x^2 + 10 x + 1}{(x - 1) (x^2 + x - 1) (x^5 - 3 x^4 + 3 x^3 - 7 x^2 + 3 x - 1)}$$

Sequence: A192304
Score: 6.92245
Type of gen. func.: ogf

$$\frac{x^3 - 4 x^2 + 2 x - 1}{(x - 1) (x^2 + x - 1)^2}$$

Sequence: A192304
Score: 8.33048
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - 13 x^4 + 15 x^3 - 14 x^2 + 7 x + 1}{(x - 1) (x^2 + x - 1) (x^3 - 4 x^2 + 2 x - 1)}$$

Sequence: A192305
Score: 10.5342
Type of gen. func.: lgdogf

$$-\frac{-6x^4+10x^3-9x^2+3x+1}{-2x^5+2x^4+3x^3-6x^2+4x-1}$$

Sequence: A192305
Score: 13.2704
Type of gen. func.: ogf

$$-\frac{2(2x^2-2x+1)}{(x-1)(x^2+x-1)^2}$$

Sequence: A192305
Score: 18.6493
Type of gen. func.: lgdogf

$$-\frac{(x^2-x+1)(6x^2-4x-1)}{(x-1)(2x^2-2x+1)(x^2+x-1)}$$

Sequence: A192305
Score: 4.54142
Type of gen. func.: ogf

$$\{(n^2+9n+20)a(n+1)+(-n-5)a(n+2)+(-2n^2-15n-27)a(n+3)$$
$$+(n^2+7n+12)a(n+4), a(0)=2, a(1)=2, a(2)=8, a(3)=16\}$$

Sequence: A192306
Score: 10.0106
Type of gen. func.: ogf

$$\frac{2x(-2+x)}{(x-1)(x^2+x-1)^2}$$

Sequence: A192306
Score: 17.5678
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 11 x^2 + x + 5}{(-2 + x) (x - 1) (x^2 + x - 1)}$$

Sequence: A192306
Score: 9.02186
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 + 11 x^2 - x - 5}{-x^4 + 2 x^3 + 2 x^2 - 5 x + 2}$$

Sequence: A192307
Score: 11.0854
Type of gen. func.: lgdogf

$$-\frac{(x^2 - x + 1) (6 x^2 - 4 x - 1)}{(x - 1) (2 x^2 - 2 x + 1) (x^2 + x - 1)}$$

Sequence: A192307
Score: 7.95086
Type of gen. func.: ogf

$$-\frac{3 (2 x^2 - 2 x + 1)}{(x - 1) (x^2 + x - 1)^2}$$

Sequence: A192308
Score: 15.0980
Type of gen. func.: lgdogf

$$4 x^3 - 11 x^2 + x + 5$$

$$- \frac{}{(-2 + x) (x - 1) (x^2 + x - 1)}$$

Sequence: A192308
Score: 7.76817
Type of gen. func.: lgdogf

$$- \frac{-4 x^3 + 11 x^2 - x - 5}{-x^4 + 2 x^3 + 2 x^2 - 5 x + 2}$$

Sequence: A192308
Score: 8.61948
Type of gen. func.: ogf

$$\frac{3 x (-2 + x)}{(x - 1) (x^2 + x - 1)^2}$$

Sequence: A192309
Score: 7.20254
Type of gen. func.: ogf

$$\frac{x^3 - 6 x^2 + 4 x - 2}{(x - 1) (x^2 + x - 1)^2}$$

Sequence: A192309
Score: 8.55159
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - 19 x^4 + 25 x^3 - 23 x^2 + 10 x + 2}{(x - 1) (x^2 + x - 1) (x^3 - 6 x^2 + 4 x - 2)}$$

Sequence: A192310
Score: 10.8600
Type of gen. func.: lgdogf

$$-\frac{3x^4-9x^3+28x^2-5x-13}{(x-1)(x^2-2x+5)(x^2+x-1)}$$

Sequence: A192310
Score: 7.76817
Type of gen. func.: ogf

$$-\frac{x(x^2-2x+5)}{(x-1)(x^2+x-1)^2}$$

Sequence: A192311
Score: 7.12252
Type of gen. func.: ogf

$$\frac{2x^3-6x^2+2x-1}{(x-1)(x^2+x-1)^2}$$

Sequence: A192311
Score: 8.21957
Type of gen. func.: lgdogf

$$-\frac{4x^5-20x^4+20x^3-19x^2+11x+1}{(x-1)(x^2+x-1)(2x^3-6x^2+2x-1)}$$

Sequence: A192312
Score: 10.8003
Type of gen. func.: lgdogf

$$-\frac{6x^4-6x^3+23x^2-7x-11}{(x-1)(2x^2-x+4)(x^2+x-1)}$$

Sequence: A192312
Score: 6.95357
Type of gen. func.: lgdogf

$$-\frac{-6 x^4 + 6 x^3 - 23 x^2 + 7 x + 11}{-2 x^5 + x^4 - 4 x^2 + 9 x - 4}$$

Sequence: A192312
Score: 7.72619
Type of gen. func.: ogf

$$-\frac{x (2 x^2 - x + 4)}{(x - 1) (x^2 + x - 1)^2}$$

Sequence: A192313
Score: 2.42208
Type of gen. func.: ogf

$$-(4 f(x) - 1)$$

$$(f(x) x^4 + 6 f(x) x^3 + f(x) x^2 - x^3 - 4 f(x) x + 2 x^2 + f(x) + 2 x - 1)$$

Sequence: A192313
Score: 4.43523
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 - 3 x + 1)}{x^4 + 6 x^3 + x^2 - 4 x + 1}$$

Sequence: A192328
Score: 7.16704
Type of gen. func.: ogf

$$-\frac{3 (9 x^4 + 40 x^3 + 102 x^2 + 40 x + 9)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A192328
Score: 8.65289
Type of gen. func.: lgdogf

$$-\frac{9 x^5 + 89 x^4 + 382 x^3 + 382 x^2 + 289 x + 49}{(x - 1) (x + 1) (9 x^4 + 40 x^3 + 102 x^2 + 40 x + 9)}$$

Sequence: A192333
Score: 9.24340
Type of gen. func.: ogf

$$\frac{x (7 x^4 + 2 x^3 + 2 x^2 + 2 x + 2)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A192337
Score: 3.10369
Type of gen. func.: ogf

$$-f(x) x^4 - 6 f(x) x^3 - f(x) x^2 - x^3 + 4 f(x) x - x^2 - f(x) + x$$

Sequence: A192337
Score: 4.71930
Type of gen. func.: ogf

$$-\frac{x (x^2 + x - 1)}{x^4 + 6 x^3 + x^2 - 4 x + 1}$$

Sequence: A192338
Score: 2.15731
Type of gen. func.: ogf

$$(9 f(x) - 5) ($$

$$4 f(x) x^4 + 10 f(x) x^3 - f(x) x^2 - 2 x^3 - 4 f(x) x + 3 x^2 + f(x) + 2 x - 1)$$

Sequence: A192338
Score: 3.81677
Type of gen. func.: ogf

$$\frac{2 x^{3} - 3 x^{2} - 2 x + 1}{(4 x^{2} + 2 x - 1) (x^{2} + 2 x - 1)}$$

Sequence: A192339
Score: 2.13636
Type of gen. func.: ogf

$$-(4 f(x) - 1)$$

$$(4 f(x) x^{4} + 10 f(x) x^{3} - f(x) x^{2} + 2 x^{3} - 4 f(x) x + x^{2} + f(x) - x)$$

Sequence: A192339
Score: 3.98403
Type of gen. func.: ogf

$$- \frac{x (2 x - 1) (x + 1)}{(4 x^{2} + 2 x - 1) (x^{2} + 2 x - 1)}$$

Sequence: A192344
Score: 10.0070
Type of gen. func.: ogf

$$- \frac{5 x^{2} + 2 x - 1}{9 x^{4} + 6 x^{3} - 10 x^{2} - 2 x + 1}$$

Sequence: A192344
Score: 4.96802
Type of gen. func.: ogf

$$-(15561 f(x) - 2362)$$

$$(9 f(x) x^{4} + 6 f(x) x^{3} - 10 f(x) x^{2} - 2 f(x) x + 5 x^{2} + f(x) + 2 x - 1)$$

Sequence: A192344
Score: 9.33402
Type of gen. func.: lgdogf

$$-\frac{2 x (45 x^4 + 42 x^3 - 6 x^2 - 14 x + 5)}{(5 x^2 + 2 x - 1) (9 x^4 + 6 x^3 - 10 x^2 - 2 x + 1)}$$

Sequence: A192345
Score: 10.8603
Type of gen. func.: ogf

$$\frac{x (3 x^2 + 1)}{9 x^4 + 6 x^3 - 10 x^2 - 2 x + 1}$$

Sequence: A192345
Score: 5.27045
Type of gen. func.: ogf

$-(9842 f(x) - 5659)$

$$(9 f(x) x^4 + 6 f(x) x^3 - 10 f(x) x^2 - 3 x^3 - 2 f(x) x + f(x) - x)$$

Sequence: A192345
Score: 9.30273
Type of gen. func.: lgdogf

$$-\frac{2 (27 x^5 + 9 x^4 + 18 x^3 + 12 x^2 - 13 x - 1)}{(3 x^2 + 1) (9 x^4 + 6 x^3 - 10 x^2 - 2 x + 1)}$$

Sequence: A192346
Score: 10.1741
Type of gen. func.: ogf

$$-\frac{(x + 1) (3 x - 1)}{{}^{4} \qquad {}^{3} \qquad {}^{2}}$$

$x + 2 x - 6 x - 2 x + 1$

Sequence: A192346
Score: 10.1783
Type of gen. func.: lgdogf

$$-\frac{2 x (3 x^4 + 6 x^3 + 2 x^2 - 6 x + 3)}{(3 x - 1) (x + 1) (x^4 + 2 x^3 - 6 x^2 - 2 x + 1)}$$

Sequence: A192346
Score: 5.08705
Type of gen. func.: ogf

$-(1125 f(x) - 308)$

$$(f(x) x^4 + 2 f(x) x^3 - 6 f(x) x^2 - 2 f(x) x + 3 x^2 + f(x) + 2 x - 1)$$

Sequence: A192347
Score: 10.2755
Type of gen. func.: ogf

$$\frac{x (x^2 + 1)}{x^4 + 2 x^3 - 6 x^2 - 2 x + 1}$$

Sequence: A192347
Score: 10.2834
Type of gen. func.: lgdogf

$$-\frac{2 (x - 1) (x^4 + 2 x^3 + 4 x^2 + 8 x + 1)}{(x^2 + 1) (x^4 + 2 x^3 - 6 x^2 - 2 x + 1)}$$

Sequence: A192347
Score: 5.05992
Type of gen. func.: ogf

4 3 2 3

$$-(102 f(x) + 29) (f(x) x + 2 f(x) x - 6 f(x) x - x - 2 f(x) x + f(x) - x)$$

Sequence: A192348
Score: 10.2254
Type of gen. func.: lgdogf

$$-\frac{4 x (8 x^4 + 10 x^3 - 5 x + 2)}{(4 x^2 + 2 x - 1) (4 x^4 + 4 x^3 - 8 x^2 - 2 x + 1)}$$

Sequence: A192348
Score: 5.03303
Type of gen. func.: ogf

$$-(33 f(x) - 7)$$

$$(4 f(x) x^4 + 4 f(x) x^3 - 8 f(x) x^2 - 2 f(x) x + 4 x^2 + f(x) + 2 x - 1)$$

Sequence: A192348
Score: 9.77430
Type of gen. func.: ogf

$$-\frac{4 x^2 + 2 x - 1}{4 x^4 + 4 x^3 - 8 x^2 - 2 x + 1}$$

Sequence: A192349
Score: 10.6765
Type of gen. func.: ogf

$$\frac{x (2 x^2 + 1)}{4 x^4 + 4 x^3 - 8 x^2 - 2 x + 1}$$

Sequence: A192349
Score: 5.21785
Type of gen. func.: ogf

$$-(438 f(x) + 137)$$

$$(4 f(x) x^4 + 4 f(x) x^3 - 8 f(x) x^2 - 2 x^3 - 2 f(x) x + f(x) - x)$$

Sequence: A192349
Score: 9.50279
Type of gen. func.: lgdogf

$$- \frac{2 (8 x^5 + 4 x^4 + 8 x^3 + 8 x^2 - 10 x - 1)}{(2 x^2 + 1) (4 x^4 + 4 x^3 - 8 x^2 - 2 x + 1)}$$

Sequence: A192350
Score: 4.73635
Type of gen. func.: ogf

$$-(1131 f(x) - 106)$$

$$(16 f(x) x^4 + 8 f(x) x^3 - 12 f(x) x^2 - 2 f(x) x + 6 x^2 + f(x) + 2 x - 1)$$

Sequence: A192350
Score: 8.83017
Type of gen. func.: lgdogf

$$- \frac{4 x (48 x^4 + 36 x^3 - 8 x^2 - 9 x + 3)}{(6 x^2 + 2 x - 1) (16 x^4 + 8 x^3 - 12 x^2 - 2 x + 1)}$$

Sequence: A192350
Score: 9.33928
Type of gen. func.: ogf

$$- \frac{6 x^2 + 2 x - 1}{16 x^4 + 8 x^3 - 12 x^2 - 2 x + 1}$$

Sequence: A192351
Score: 10.1851
Type of gen. func.: ogf

$$\frac{x\,(4\,x^{2}+1)}{16\,x^{4}+8\,x^{3}-12\,x^{2}-2\,x+1}$$

Sequence: A192351
Score: 5.09255
Type of gen. func.: ogf

$$-(142\,f(x)+47)$$

$$(16\,f(x)\,x^{4}+8\,f(x)\,x^{3}-12\,f(x)\,x^{2}-4\,x^{3}-2\,f(x)\,x+f(x)-x)$$

Sequence: A192351
Score: 8.62495
Type of gen. func.: lgdogf

$$-\frac{2\,(64\,x^{5}+16\,x^{4}+32\,x^{3}+16\,x^{2}-16\,x-1)}{(4\,x^{2}+1)\,(16\,x^{4}+8\,x^{3}-12\,x^{2}-2\,x+1)}$$

Sequence: A192352
Score: 5.00462
Type of gen. func.: ogf

$$(24\,f(x)-109)$$

$$(f(x)\,x^{4}-4\,f(x)\,x^{3}+3\,f(x)\,x^{2}+x^{3}+2\,f(x)\,x-x^{2}-f(x)-2\,x+1)$$

Sequence: A192352
Score: 9.09931
Type of gen. func.: ogf

$$-\frac{x^{3}-x^{2}-2\,x+1}{(x^{2}-3\,x+1)\,(x^{2}-x-1)}$$

Sequence: A192352
Score: 9.58949

Type of gen. func.: lgdogf

$$-\frac{x\,(x^5 - 2\,x^4 - 5\,x^3 + 16\,x^2 - 13\,x + 4)}{(x^2 - 3\,x + 1)\,(x^2 - x - 1)\,(x^3 - x^2 - 2\,x + 1)}$$

Sequence: A192353
Score: 4.90966
Type of gen. func.: ogf

$$(22055\,f(x) - 4794)\,($$

$$5\,f(x)\,x^4 + 10\,f(x)\,x^3 - 9\,f(x)\,x^2 - x^3 - 2\,f(x)\,x + 4\,x^2 + f(x) + 2\,x - 1)$$

Sequence: A192353
Score: 8.35731
Type of gen. func.: lgdogf

$$-\frac{x\,(5\,x^5 - 40\,x^4 - 61\,x^3 - 16\,x^2 + 37\,x - 10)}{(x^2 + 3\,x + 1)\,(5\,x^2 - 5\,x + 1)\,(x^3 - 4\,x^2 - 2\,x + 1)}$$

Sequence: A192353
Score: 9.12694
Type of gen. func.: ogf

$$\frac{x^3 - 4\,x^2 - 2\,x + 1}{(x^2 + 3\,x + 1)\,(5\,x^2 - 5\,x + 1)}$$

Sequence: A192354
Score: 4.73906
Type of gen. func.: ogf

$\{-a(n + 4) + 2\,a(n + 3) + 9\,a(n + 2) - 10\,a(n + 1) - 5\,a(n),\ a(0) = 0,\ a(1) = 1,$

$a(2) = 1,\ a(3) = 14\}$

Sequence: A192354

Score: 4.80627
Type of gen. func.: ogf

$$-(120 f(x) - 49)$$

$$(5 f(x) x^{4} + 10 f(x) x^{3} - 9 f(x) x^{2} - 3 x^{3} - 2 f(x) x + x^{2} + f(x) - x)$$

Sequence: A192354
Score: 9.15791
Type of gen. func.: ogf

$$\frac{x (3 x^{2} - x + 1)}{(x^{2} + 3 x + 1) (5 x^{2} - 5 x + 1)}$$

Sequence: A192354
Score: 9.67986
Type of gen. func.: lgdogf

$$- \frac{30 x^{5} + 15 x^{4} + 45 x^{2} - 24 x - 1}{(x^{2} + 3 x + 1) (3 x^{2} - x + 1) (5 x^{2} - 5 x + 1)}$$

Sequence: A192355
Score: 10.0037
Type of gen. func.: ogf

$$\frac{2 x^{3} - 5 x^{2} - 2 x + 1}{(x - 1) (3 x + 1) (-1 + 4 x)}$$

Sequence: A192355
Score: 10.3013
Type of gen. func.: lgdogf

$$\frac{2 x (19 x^{3} + 20 x^{2} - 21 x + 6)}{(x - 1) (3 x + 1) (-1 + 4 x) (2 x^{3} - 5 x^{2} - 2 x + 1)}$$

Sequence: A192355
Score: 5.34035
Type of gen. func.: ogf

$$\{-a(n+4) + 2 a(n+3) + 11 a(n+2) - 12 a(n+1), a(0) = 1, a(1) = 0, a(2) = 6, a(3) = 2\}$$

Sequence: A192355
Score: 5.59264
Type of gen. func.: ogf

$$(-3763 + 5950 f(x)) (12 f(x) x^3 - 11 f(x) x^2 - 2 x^3 - 2 f(x) x + 5 x^2 + f(x) + 2 x - 1)$$

Sequence: A192356
Score: 4.87637
Type of gen. func.: ogf

$$\{a(n+4) - 2 a(n+3) - 11 a(n+2) + 12 a(n+1), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 15\}$$

Sequence: A192356
Score: 6.61984
Type of gen. func.: ogf

$$(f(x) - 1) (12 f(x) x^3 - 11 f(x) x^2 - 2 x^3 - 2 f(x) x + x^2 + f(x) - x)$$

Sequence: A192356
Score: 9.75273
Type of gen. func.: ogf

$$\frac{x (2 x^2 - x + 1)}{(x - 1) (3 x + 1) (-1 + 4 x)}$$

Sequence: A192356
Score: 9.90425
Type of gen. func.: lgdogf

$$-\frac{24 x^4 - 24 x^3 + 51 x^2 - 26 x - 1}{(x - 1) (3 x + 1) (-1 + 4 x) (2 x^2 - x + 1)}$$

Sequence: A192357
Score: 4.27248
Type of gen. func.: ogf

$$(5124920 f(x) - 349889) (55 f(x) x^4 + 20 f(x) x^3 - 19 f(x) x^2 - x^3 - 2 f(x) x + 9 x^2 + f(x) + 2 x - 1)$$

Sequence: A192357
Score: 6.98473
Type of gen. func.: lgdogf

$$-\frac{x (55 x^5 - 990 x^4 - 491 x^3 + 144 x^2 + 77 x - 20)}{(11 x^2 - 7 x + 1) (5 x^2 + 5 x + 1) (x^3 - 9 x^2 - 2 x + 1)}$$

Sequence: A192357
Score: 8.06430
Type of gen. func.: ogf

$$\frac{x^3 - 9 x^2 - 2 x + 1}{(5 x^2 + 5 x + 1) (11 x^2 - 7 x + 1)}$$

Sequence: A192358
Score: 4.51502
Type of gen. func.: ogf

$$\{-a(n + 4) + 2 a(n + 3) + 19 a(n + 2) - 20 a(n + 1) - 55 a(n), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 29\}$$

Sequence: A192358
Score: 4.54638

Type of gen. func.: ogf

$$-(225 f(x) - 167)$$

$$(55 f(x) x^4 + 20 f(x) x^3 - 19 f(x) x^2 - 8 x^3 - 2 f(x) x + x^2 + f(x) - x)$$

Sequence: A192358
Score: 8.06430
Type of gen. func.: lgdogf

$$-\frac{880 x^5 - 5 x^4 + 180 x^3 + 95 x^2 - 54 x - 1}{(5 x^2 + 5 x + 1) (11 x^2 - 7 x + 1) (8 x^2 - x + 1)}$$

Sequence: A192358
Score: 8.61418
Type of gen. func.: ogf

$$\frac{x (8 x^2 - x + 1)}{(5 x^2 + 5 x + 1) (11 x^2 - 7 x + 1)}$$

Sequence: A192370
Score: 12.3226
Type of gen. func.: lgdogf

$$-\frac{320 x - 44}{160 x^2 - 44 x + 1}$$

Sequence: A192370
Score: 17.9844
Type of gen. func.: ogf

$$\frac{20}{(40 x - 1) (-1 + 4 x)}$$

Sequence: A192370
Score: 7.15507

Type of gen. func.: ogf

$$(11111 f(x) + 70600) (160 f(x) x^2 - 44 f(x) x + f(x) - 20)$$

Sequence: A192370
Score: 7.56161
Type of gen. func.: ogf

$$\{-a(n + 2) + 44 a(n + 1) - 160 a(n), a(0) = 20, a(1) = 880\}$$

Sequence: A192373
Score: 10.2397
Type of gen. func.: ogf

$$- \frac{(x + 1) (3 x - 1)}{9 x^4 + 6 x^3 - 10 x^2 - 2 x + 1}$$

Sequence: A192373
Score: 5.19407
Type of gen. func.: ogf

$$-(1313 f(x) + 43)$$

$$(9 f(x) x^4 + 6 f(x) x^3 - 10 f(x) x^2 - 2 f(x) x + 3 x^2 + f(x) + 2 x - 1)$$

Sequence: A192373
Score: 9.55416
Type of gen. func.: lgdogf

$$- \frac{2 x (27 x^4 + 36 x^3 - 6 x^2 - 16 x + 7)}{(3 x - 1) (x + 1) (9 x^4 + 6 x^3 - 10 x^2 - 2 x + 1)}$$

Sequence: A192374
Score: 12.3986
Type of gen. func.: ogf

$$\frac{2 x}{\quad}$$

$$9 x^4 + 6 x^3 - 10 x^2 - 2 x + 1$$

Sequence: A192374
Score: 13.1974
Type of gen. func.: lgdogf

$$- \frac{2 (x + 1) (18 x^2 - 9 x - 1)}{9 x^4 + 6 x^3 - 10 x^2 - 2 x + 1}$$

Sequence: A192374
Score: 5.35621
Type of gen. func.: ogf

$$-(193 f(x) + 81) (9 f(x) x^4 + 6 f(x) x^3 - 10 f(x) x^2 - 2 f(x) x + f(x) - 2 x)$$

Sequence: A192374
Score: 7.97056
Type of gen. func.: lgdogf

$$- \frac{-36 x^3 - 18 x^2 + 20 x + 2}{-9 x^4 - 6 x^3 + 10 x^2 + 2 x - 1}$$

Sequence: A192375
Score: 12.9399
Type of gen. func.: lgdogf

$$- \frac{2 (x + 1) (18 x^2 - 9 x - 1)}{9 x^4 + 6 x^3 - 10 x^2 - 2 x + 1}$$

Sequence: A192375
Score: 13.1330
Type of gen. func.: ogf

$$\frac{x}{}$$

$$9 x^4 + 6 x^3 - 10 x^2 - 2 x + 1$$

Sequence: A192375
Score: 5.25321
Type of gen. func.: ogf

$$-(181 f(x) - 24) (9 f(x) x^4 + 6 f(x) x^3 - 10 f(x) x^2 - 2 f(x) x + f(x) - x)$$

Sequence: A192375
Score: 7.81729
Type of gen. func.: lgdogf

$$- \frac{-36 x^3 - 18 x^2 + 20 x + 2}{-9 x^4 - 6 x^3 + 10 x^2 + 2 x - 1}$$

Sequence: A192376
Score: 10.1521
Type of gen. func.: ogf

$$\frac{(x - 1)^2}{(x^2 - 4 x + 1) (x + 1)^2}$$

Sequence: A192376
Score: 10.1521
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 8 x^2 + 14 x}{x^4 - 4 x^3 + 4 x - 1}$$

Sequence: A192376
Score: 17.2679
Type of gen. func.: lgdogf

$$2 x (x^2 - 4 x + 7)$$

$$-\frac{}{(x - 1) (x + 1) (x^2 - 4 x + 1)}$$

Sequence: A192376
Score: 3.55580
Type of gen. func.: ogf

$$\{(n + 4) a(n + 1) + (-3 n - 13) a(n + 2) + (-3 n - 8) a(n + 3)$$

$$+ (n + 3) a(n + 4), a(0) = 1, a(1) = 0, a(2) = 7, a(3) = 16\}$$

Sequence: A192376
Score: 5.15067
Type of gen. func.: ogf

$$-(431 f(x) + 21)$$

$$(f(x) x^4 - 2 f(x) x^3 - 6 f(x) x^2 - 2 f(x) x - x^2 + f(x) + 2 x - 1)$$

Sequence: A192377
Score: 10.7768
Type of gen. func.: lgdogf

$$-\frac{-4 x^2 + 10 x + 2}{-x^3 + 3 x^2 + 3 x - 1}$$

Sequence: A192377
Score: 13.2168
Type of gen. func.: ogf

$$\frac{2 x}{(x^2 - 4 x + 1) (x + 1)^2}$$

Sequence: A192377
Score: 19.7348
Type of gen. func.: lgdogf

$$2 (2 x^2 - 5 x - 1)$$

$$- \frac{}{(x + 1) (x^2 - 4 x + 1)}$$

Sequence: A192377
Score: 3.55580
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 4) + (8 + 3 n) a(n + 3) + (13 + 3 n) a(n + 2) + (-n - 4) a(n + 1), a(0) = 0, a(1) = 2, a(2) = 4, a(3) = 20\}$$

Sequence: A192377
Score: 5.88648
Type of gen. func.: ogf

$$(23 f(x) - 17) (f(x) x^4 - 2 f(x) x^3 - 6 f(x) x^2 - 2 f(x) x + f(x) - 2 x)$$

Sequence: A192378
Score: 10.4760
Type of gen. func.: lgdogf

$$- \frac{-4 x^2 + 10 x + 2}{-x^3 + 3 x^2 + 3 x - 1}$$

Sequence: A192378
Score: 13.8968
Type of gen. func.: ogf

$$\frac{x}{(x^2 - 4 x + 1) (x + 1)^2}$$

Sequence: A192378
Score: 19.1762
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^2 - 5 x - 1)}{{}^{2}}$$

$$(x + 1) (x - 4 x + 1)$$

Sequence: A192378
Score: 3.45656
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 4) + (8 + 3 n) a(n + 3) + (13 + 3 n) a(n + 2) + (-n - 4) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 10\}$$

Sequence: A192378
Score: 5.62762
Type of gen. func.: ogf

$$-(2 f(x) + 1) (f(x) x^4 - 2 f(x) x^3 - 6 f(x) x^2 - 2 f(x) x + f(x) - x)$$

Sequence: A192379
Score: 10.2325
Type of gen. func.: lgdogf

$$-\frac{2 x (x^4 + 4 x^3 + 2 x^2 - 8 x + 5)}{(x^2 + 2 x - 1) (x^4 + 2 x^3 - 6 x^2 - 2 x + 1)}$$

Sequence: A192379
Score: 4.85147
Type of gen. func.: ogf

$$-(2057 f(x) - 13) (f(x) x^4 + 2 f(x) x^3 - 6 f(x) x^2 - 2 f(x) x + x^2 + f(x) + 2 x - 1)$$

Sequence: A192379
Score: 9.63264
Type of gen. func.: ogf

$$-\frac{x^2 + 2 x - 1}{x^4 + 2 x^3 - 6 x^2 - 2 x + 1}$$

Sequence: A192380
Score: 13.9918
Type of gen. func.: ogf

$$\frac{2 x}{x^4 + 2 x^3 - 6 x^2 - 2 x + 1}$$

Sequence: A192380
Score: 15.5676
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^3 + 3 x^2 - 6 x - 1)}{x^4 + 2 x^3 - 6 x^2 - 2 x + 1}$$

Sequence: A192380
Score: 6.02897
Type of gen. func.: ogf

$$-(57 f(x) + 17) (f(x) x^4 + 2 f(x) x^3 - 6 f(x) x^2 - 2 f(x) x + f(x) - 2 x)$$

Sequence: A192380
Score: 9.15511
Type of gen. func.: lgdogf

$$- \frac{4 x^3 + 6 x^2 - 12 x - 2}{x^4 + 2 x^3 - 6 x^2 - 2 x + 1}$$

Sequence: A192381
Score: 14.6631
Type of gen. func.: ogf

$$\frac{x}{x^4 + 2 x^3 - 6 x^2 - 2 x + 1}$$

Sequence: A192381
Score: 15.0767
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^3+3\,x^2-6\,x-1)}{x^4+2\,x^3-6\,x^2-2\,x+1}$$

Sequence: A192381
Score: 5.79429
Type of gen. func.: ogf

$$-(114\,f(x)+17)\,(f(x)\,x^4+2\,f(x)\,x^3-6\,f(x)\,x^2-2\,f(x)\,x+f(x)-x)$$

Sequence: A192381
Score: 8.87028
Type of gen. func.: lgdogf

$$-\frac{4\,x^3+6\,x^2-12\,x-2}{x^4+2\,x^3-6\,x^2-2\,x+1}$$

Sequence: A192382
Score: 11.3479
Type of gen. func.: ogf

$$-8\,f(x)\,x^2-2\,f(x)\,x+f(x)-2\,x$$

Sequence: A192382
Score: 13.6638
Type of gen. func.: lgdogf

$$-\frac{-16\,x-2}{-8\,x^2-2\,x+1}$$

Sequence: A192382
Score: 18.0953
Type of gen. func.: ogf

$$-\frac{2x}{(2x+1)(-1+4x)}$$

Sequence: A192382
Score: 25.3796
Type of gen. func.: lgdogf

$$-\frac{2(1+8x)}{(2x+1)(-1+4x)}$$

Sequence: A192382
Score: 8.26577
Type of gen. func.: ogf

{-a(n + 2) + 2 a(n + 1) + 8 a(n), a(0) = 0, a(1) = 2}

Sequence: A192383
Score: 10.1048
Type of gen. func.: ogf

$$-\frac{2x^2+2x-1}{4x^4+4x^3-8x^2-2x+1}$$

Sequence: A192383
Score: 10.7415
Type of gen. func.: lgdogf

$$-\frac{4x(4x^4+8x^3-6x+3)}{(2x^2+2x-1)(4x^4+4x^3-8x^2-2x+1)}$$

Sequence: A192383
Score: 5.16469
Type of gen. func.: ogf

$-(365 f(x) + 3)$

$$(4 f(x) x^4 + 4 f(x) x^3 - 8 f(x) x^2 - 2 f(x) x + 2 x^2 + f(x) + 2 x - 1)$$

Sequence: A192384
Score: 12.3289
Type of gen. func.: ogf

$$\frac{2 x}{4 x^4 + 4 x^3 - 8 x^2 - 2 x + 1}$$

Sequence: A192384
Score: 13.1383
Type of gen. func.: lgdogf

$$- \frac{2 (8 x^3 + 6 x^2 - 8 x - 1)}{4 x^4 + 4 x^3 - 8 x^2 - 2 x + 1}$$

Sequence: A192384
Score: 5.31245
Type of gen. func.: ogf

$$-(29 f(x) + 11) (4 f(x) x^4 + 4 f(x) x^3 - 8 f(x) x^2 - 2 f(x) x + f(x) - 2 x)$$

Sequence: A192384
Score: 7.87269
Type of gen. func.: lgdogf

$$- \frac{-16 x^3 - 12 x^2 + 16 x + 2}{-4 x^4 - 4 x^3 + 8 x^2 + 2 x - 1}$$

Sequence: A192385
Score: 12.7441
Type of gen. func.: lgdogf

$$-\frac{2\,(8x^3+6x^2-8x-1)}{4x^4+4x^3-8x^2-2x+1}$$

Sequence: A192385
Score: 12.9412
Type of gen. func.: ogf

$$\frac{x}{4x^4+4x^3-8x^2-2x+1}$$

Sequence: A192385
Score: 5.15544
Type of gen. func.: ogf

$$-(58\,f(x)+11)\,(4\,f(x)\,x^4+4\,f(x)\,x^3-8\,f(x)\,x^2-2\,f(x)\,x+f(x)-x)$$

Sequence: A192385
Score: 7.63999
Type of gen. func.: lgdogf

$$-\frac{-16x^3-12x^2+16x+2}{-4x^4-4x^3+8x^2+2x-1}$$

Sequence: A192386
Score: 4.99399
Type of gen. func.: ogf

$$-(16\,f(x)+1)$$

$$(16\,f(x)\,x^4+8\,f(x)\,x^3-12\,f(x)\,x^2-2\,f(x)\,x+4x^2+f(x)+2x-1)$$

Sequence: A192386
Score: 9.04766
Type of gen. func.: lgdogf

4 3 2

$$- \frac{8 x (16 x + 16 x - 4 x - 5 x + 2)}{(4 x^2 + 2 x - 1) (16 x^4 + 8 x^3 - 12 x^2 - 2 x + 1)}$$

Sequence: A192386
Score: 9.56597
Type of gen. func.: ogf

$$- \frac{4 x^2 + 2 x - 1}{16 x^4 + 8 x^3 - 12 x^2 - 2 x + 1}$$

Sequence: A192387
Score: 12.6414
Type of gen. func.: ogf

$$\frac{2 x}{16 x^4 + 8 x^3 - 12 x^2 - 2 x + 1}$$

Sequence: A192387
Score: 12.6967
Type of gen. func.: lgdogf

$$- \frac{2 (2 x - 1) (16 x^2 + 14 x + 1)}{16 x^4 + 8 x^3 - 12 x^2 - 2 x + 1}$$

Sequence: A192387
Score: 5.65266
Type of gen. func.: ogf

$$-(9 f(x) + 4) (16 f(x) x^4 + 8 f(x) x^3 - 12 f(x) x^2 - 2 f(x) x + f(x) - 2 x)$$

Sequence: A192387
Score: 8.17974
Type of gen. func.: lgdogf

3 2

$$-\frac{64 x + 24 x - 24 x - 2}{16 x^4 + 8 x^3 - 12 x^2 - 2 x + 1}$$

Sequence: A192388
Score: 12.2794
Type of gen. func.: lgdogf

$$-\frac{2 (2 x - 1) (16 x^2 + 14 x + 1)}{16 x^4 + 8 x^3 - 12 x^2 - 2 x + 1}$$

Sequence: A192388
Score: 13.1911
Type of gen. func.: ogf

$$\frac{x}{16 x^4 + 8 x^3 - 12 x^2 - 2 x + 1}$$

Sequence: A192388
Score: 5.46947
Type of gen. func.: ogf

$$-(9 f(x) + 2) (16 f(x) x^4 + 8 f(x) x^3 - 12 f(x) x^2 - 2 f(x) x + f(x) - x)$$

Sequence: A192388
Score: 7.91466
Type of gen. func.: lgdogf

$$-\frac{64 x^3 + 24 x^2 - 24 x - 2}{16 x^4 + 8 x^3 - 12 x^2 - 2 x + 1}$$

Sequence: A192389
Score: 14.8019
Type of gen. func.: lgdogf

2 2

$$-\frac{3\,(2\,x - 1)\,(x + 1)}{(x - 1)\,(2\,x^2 - x + 1)\,(x^2 + x - 1)}$$

Sequence: A192389
Score: 8.76139
Type of gen. func.: lgdogf

$$-\frac{-6\,x^4 - 3\,x^2 + 3}{-2\,x^5 + x^4 + 3\,x^3 - 4\,x^2 + 3\,x - 1}$$

Sequence: A192389
Score: 9.08589
Type of gen. func.: ogf

$$\frac{x\,(2\,x^2 - x + 1)}{(x^2 + x - 1)\,(x - 1)^3}$$

Sequence: A192395
Score: 12.8570
Type of gen. func.: ogf

$$-\frac{x^3}{(2\,x^2 - x + 1)\,(x^2 + x - 1)}$$

Sequence: A192395
Score: 16.1371
Type of gen. func.: lgdogf

$$-\frac{8\,x^3 + 3\,x^2 - 4\,x + 2}{(2\,x^2 - x + 1)\,(x^2 + x - 1)}$$

Sequence: A192395
Score: 5.63159

Type of gen. func.: ogf

$$(f(x) + 1) (2 f(x) x^4 + f(x) x^3 - 2 f(x) x^2 + x^3 + 2 f(x) x - f(x))$$

Sequence: A192395
Score: 8.51778
Type of gen. func.: lgdogf

$$- \frac{-8 x^3 - 3 x^2 + 4 x - 2}{-2 x^4 - x^3 + 2 x^2 - 2 x + 1}$$

Sequence: A192398
Score: 14.0842
Type of gen. func.: lgdogf

$$- \frac{2 (x^3 - 9 x^2 + 51 x + 17)}{(x - 1) (x^3 - 7 x^2 + 29 x + 1)}$$

Sequence: A192398
Score: 4.17158
Type of gen. func.: ogf

$$\{(100 n^2 + 859 n + 1677) a(n + 1) + (-14 n^2 + 330 n + 1226) a(n + 2)$$
$$+ (-86 n^2 - 445 n - 561) a(n + 3), a(0) = 1, a(1) = 34, a(2) = 153\}$$

Sequence: A192398
Score: 9.24385
Type of gen. func.: ogf

$$- \frac{x^3 - 7 x^2 + 29 x + 1}{(x - 1)^5}$$

Sequence: A192398

Score: 9.45883
Type of gen. func.: lgdogf

$$-\frac{-2x^3+18x^2-102x-34}{-x^4+8x^3-36x^2+28x+1}$$

Sequence: A192415
Score: 11.1744
Type of gen. func.: ogf

$$f(x)^3 x^4 + f(x)^2 x^3 + f(x) x - f(x) + 1$$

Sequence: A192415
Score: 12.8231
Type of gen. func.: revogf

$$\frac{-(x+1)^{1/2}+(2x+1)^{1/2}(2x^2-x+1)^{1/2}}{2x^2(x+1)^{1/2}}$$

Sequence: A192415
Score: 9.35252
Type of gen. func.: revogf

$$-\frac{1}{2x^2}+\frac{(2x^2-x+1)^{1/2}(2x+1)^{1/2}}{2(x+1)^{1/2}x^2}$$

Sequence: A192417
Score: 11.1159
Type of gen. func.: lgdogf

$$-\frac{3x^5+5x^4+2x^3-3x^2-2x-2}{x^6+2x^5+x^4-2x^3-2x^2-4x+1}$$

Sequence: A192417
Score: 6.86529
Type of gen. func.: lgdogf

$$-\frac{3x^5+5x^4+2x^3-3x^2-2x-2}{x^6+2x^5+x^4-2x^3-2x^2-4x+1}$$

Sequence: A192418
Score: 16.8059
Type of gen. func.: lgdogf

$$-\frac{6(x^2+5x+2)}{(x-1)(3x^2+8x+1)}$$

Sequence: A192418
Score: 4.11976
Type of gen. func.: ogf

$$(269622 f(x) + 6181397)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 12 x^2 + f(x) - 32 x - 4)$$

Sequence: A192418
Score: 8.23952
Type of gen. func.: ogf

$$\frac{4(3x^2+8x+1)}{(x-1)^4}$$

Sequence: A192418
Score: 8.86373
Type of gen. func.: lgdogf

$$-\frac{6x^2+30x+12}{3x^3+5x^2-7x-1}$$

Sequence: A192421
Score: 11.0390
Type of gen. func.: ogf

$$-\frac{3x^2+2x-2}{x^4+x^3-3x^2-x+1}$$

Sequence: A192421
Score: 12.1148
Type of gen. func.: lgdogf

$$-\frac{x(6x^4+9x^3-4x^2-9x+6)}{(3x^2+2x-2)(x^4+x^3-3x^2-x+1)}$$

Sequence: A192421
Score: 5.51952
Type of gen. func.: ogf

$$-(1131 f(x) - 212)$$

$$(f(x)x^4 + f(x)x^3 - 3 f(x)x^2 - f(x)x + 3x^2 + f(x) + 2x - 2)$$

Sequence: A192422
Score: 11.3502
Type of gen. func.: ogf

$$\frac{x(x^2+1)}{x^4+x^3-3x^2-x+1}$$

Sequence: A192422
Score: 12.3267
Type of gen. func.: lgdogf

$$-\frac{2x^5+x^4+4x^3+4x^2-8x-1}{{}^{2}\qquad{}^{4}\quad{}^{3}\quad{}^{2}}$$

$$(x + 1) (x + x - 3 x - x + 1)$$

Sequence: A192422
Score: 5.54709
Type of gen. func.: ogf

$$-(174 f(x) - 205) (f(x) x^4 + f(x) x^3 - 3 f(x) x^2 - x^3 - f(x) x + f(x) - x)$$

Sequence: A192422
Score: 7.09388
Type of gen. func.: lgdogf

$$- \frac{-2 x^5 - x^4 - 4 x^3 - 4 x^2 + 8 x + 1}{-x^6 - x^5 + 2 x^4 + 2 x^2 + x - 1}$$

Sequence: A192423
Score: 10.5225
Type of gen. func.: lgdogf

$$- \frac{x (4 x^4 + 5 x^3 - 2 x^2 - 5 x + 4)}{(2 x - 1) (x + 1) (x^2 + 2 x - 1) (x^2 - x - 1)}$$

Sequence: A192423
Score: 5.06401
Type of gen. func.: ogf

$$-(25 f(x) - 13)$$

$$(f(x) x^4 + f(x) x^3 - 4 f(x) x^2 - f(x) x + 4 x^2 + f(x) + 2 x - 2)$$

Sequence: A192423
Score: 9.90784
Type of gen. func.: ogf

$$- \frac{2 (2 x - 1) (x + 1)}{(x^2 + 2 x - 1) (x^2 - x - 1)}$$

Sequence: A192424
Score: 10.0973
Type of gen. func.: lgdogf

$$-\frac{x\,(4\,x^{4}+5\,x^{3}-2\,x^{2}-5\,x+4)}{(2\,x-1)\,(x+1)\,(x^{2}+2\,x-1)\,(x^{2}-x-1)}$$

Sequence: A192424
Score: 4.86245
Type of gen. func.: ogf

$$-(50\,f(x)-13)\,(f(x)\,x^{4}+f(x)\,x^{3}-4\,f(x)\,x^{2}-f(x)\,x+2\,x^{2}+f(x)+x-1)$$

Sequence: A192424
Score: 9.51351
Type of gen. func.: ogf

$$-\frac{(2\,x-1)\,(x+1)}{(x^{2}+2\,x-1)\,(x^{2}-x-1)}$$

Sequence: A192425
Score: 10.4652
Type of gen. func.: ogf

$$\frac{x\,(x^{2}+1)}{(x^{2}+2\,x-1)\,(x^{2}-x-1)}$$

Sequence: A192425
Score: 10.6355
Type of gen. func.: lgdogf

$$-\frac{(x-1)\,(2\,x^{4}+3\,x^{3}+7\,x^{2}+11\,x+1)}{(x^{2}+2\,x-1)\,(x^{2}-x-1)\,(x^{2}+1)}$$

Sequence: A192425
Score: 5.19267
Type of gen. func.: ogf

$$-(25 f(x) - 28) (f(x) x^4 + f(x) x^3 - 4 f(x) x^2 - x^3 - f(x) x + f(x) - x)$$

Sequence: A192426
Score: 5.02677
Type of gen. func.: ogf

$$(22161 f(x) + 5026)$$

$$(4 f(x) x^4 + 2 f(x) x^3 - 5 f(x) x^2 - f(x) x + 5 x^2 + f(x) + 2 x - 2)$$

Sequence: A192426
Score: 9.48504
Type of gen. func.: lgdogf

$$- \frac{x (40 x^4 + 34 x^3 - 24 x^2 - 17 x + 10)}{(5 x^2 + 2 x - 2) (4 x^4 + 2 x^3 - 5 x^2 - x + 1)}$$

Sequence: A192426
Score: 9.90784
Type of gen. func.: ogf

$$- \frac{5 x^2 + 2 x - 2}{4 x^4 + 2 x^3 - 5 x^2 - x + 1}$$

Sequence: A192427
Score: 10.7792
Type of gen. func.: ogf

$$\frac{x (2 x^2 + 1)}{4 x^4 + 2 x^3 - 5 x^2 - x + 1}$$

Sequence: A192427
Score: 5.18998
Type of gen. func.: ogf

$$-(2047 f(x) - 2543)$$

$$(4 f(x) x^{4} + 2 f(x) x^{3} - 5 f(x) x^{2} - 2 x^{3} - f(x) x + f(x) - x)$$

Sequence: A192427
Score: 9.86348
Type of gen. func.: lgdogf

$$-\frac{16 x^{5} + 4 x^{4} + 16 x^{3} + 8 x^{2} - 14 x - 1}{(2 x^{2} + 1) (4 x^{4} + 2 x^{3} - 5 x^{2} - x + 1)}$$

Sequence: A192428
Score: 4.48891
Type of gen. func.: ogf

$$-(2663 f(x) - 714) ($$

$$9 f(x) x^{4} + 6 f(x) x^{3} - 10 f(x) x^{2} + 3 x^{3} - 2 f(x) x + 7 x^{2} + f(x) + x - 1)$$

Sequence: A192428
Score: 7.26961
Type of gen. func.: lgdogf

$$-\frac{27 x^{6} + 126 x^{5} + 99 x^{4} - 12 x^{3} - 23 x^{2} + 6 x + 1}{(3 x^{3} + 7 x^{2} + x - 1) (9 x^{4} + 6 x^{3} - 10 x^{2} - 2 x + 1)}$$

Sequence: A192428
Score: 8.45987
Type of gen. func.: ogf

$$-\frac{3 x^{3} + 7 x^{2} + x - 1}{}$$

$$9 x^{4} + 6 x^{3} - 10 x^{2} - 2 x + 1$$

Sequence: A192429
Score: 4.61742
Type of gen. func.: ogf

$-(11830 f(x) - 2019)$

$$(9 f(x) x^{4} + 6 f(x) x^{3} - 10 f(x) x^{2} - 3 x^{3} - 2 f(x) x - 2 x^{2} + f(x) - x)$$

Sequence: A192429
Score: 8.24838
Type of gen. func.: lgdogf

$$- \frac{2 (27 x^{5} + 36 x^{4} + 30 x^{3} + 2 x^{2} - 13 x - 2)}{(3 x^{2} + 2 x + 1) (9 x^{4} + 6 x^{3} - 10 x^{2} - 2 x + 1)}$$

Sequence: A192429
Score: 9.04766
Type of gen. func.: ogf

$$\frac{x (3 x^{2} + 2 x + 1)}{9 x^{4} + 6 x^{3} - 10 x^{2} - 2 x + 1}$$

Sequence: A192430
Score: 4.62513
Type of gen. func.: ogf

$-(68 f(x) - 23)$

$$(f(x) x^{4} + 2 f(x) x^{3} - 6 f(x) x^{2} + x^{3} - 2 f(x) x + 5 x^{2} + f(x) + x - 1)$$

Sequence: A192430
Score: 8.58953
Type of gen. func.: ogf

$$^{3} \qquad ^{2}$$

$$-\frac{x + 5 x + x - 1}{x^4 + 2 x^3 - 6 x^2 - 2 x + 1}$$

Sequence: A192430
Score: 8.64483
Type of gen. func.: lgdogf

$$-\frac{(x + 1) (x^5 + 9 x^4 + 10 x^3 - 6 x^2 + x + 1)}{(x^3 + 5 x^2 + x - 1) (x^4 + 2 x^3 - 6 x^2 - 2 x + 1)}$$

Sequence: A192431
Score: 11.9270
Type of gen. func.: lgdogf

$$-\frac{2 (x - 1) (x^3 + 4 x^2 + 7 x + 2)}{(x + 1) (x^4 + 2 x^3 - 6 x^2 - 2 x + 1)}$$

Sequence: A192431
Score: 4.98297
Type of gen. func.: ogf

$$(154 f(x) - 13)$$

$$(f(x) x^4 + 2 f(x) x^3 - 6 f(x) x^2 - x^3 - 2 f(x) x - 2 x^2 + f(x) - x)$$

Sequence: A192431
Score: 6.98644
Type of gen. func.: lgdogf

$$-\frac{-2 x^4 - 6 x^3 - 6 x^2 + 10 x + 4}{-x^5 - 3 x^4 + 4 x^3 + 8 x^2 + x - 1}$$

Sequence: A192431
Score: 9.28336
Type of gen. func.: ogf

$$\frac{x (x + 1)^2}{x^4 + 2 x^3 - 6 x^2 - 2 x + 1}$$

Sequence: A192443
Score: 2.28887
Type of gen. func.: ogf

$$-(f(x) x + 2 f(x) - 3 x - 2) (f(x) x - f(x) + 1)^2$$

Sequence: A192447
Score: 10.2926
Type of gen. func.: ogf

$$- \frac{2 x (x^2 - x + 1)}{(x^2 + 1) (x - 1)^3}$$

Sequence: A192447
Score: 16.4346
Type of gen. func.: lgdogf

$$- \frac{3 x^4 - 4 x^3 + 7 x^2 - 2 x + 2}{(x - 1) (x^2 + 1) (x^2 - x + 1)}$$

Sequence: A192447
Score: 20.2388
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^5 + x^3 + x^2 + 2]$$

Sequence: A192447
Score: 8.68434
Type of gen. func.: lgdogf

$$-\frac{-3\,x^4+4\,x^3-7\,x^2+2\,x-2}{-x^5+2\,x^4-3\,x^3+3\,x^2-2\,x+1}$$

Sequence: A192457
Score: 3.70593
Type of gen. func.: egf]

$$144\,f(x)^2\,x^4-288\,f(x)^2\,x^3+216\,f(x)^2\,x^2-72\,f(x)^2\,x-48\,f(x)\,x^2+32\,x^3$$
$$+9\,f(x)^2+48\,f(x)\,x-48\,x^2-12\,f(x)+24\,x$$

Sequence: A192457
Score: 4.44712
Type of gen. func.: ogf

$$\{(-4\,n^2-18\,n-18)\,a(n+1)+(4\,n+11)\,a(n+2)-a(n+3),\ a(0)=0,$$
$$a(1)=2,\ a(2)=14\}$$

Sequence: A192457
Score: 8.05062
Type of gen. func.: lgdegf]

$$\frac{-1/2\,I\,(3\,I-30\,I\,x+44\,I\,x^2-24\,I\,x^3+3\,(2\,x-1)^{(3/2)})}{(2\,x-1)\,(4\,x^2-6\,x+3)\,x}$$

Sequence: A192458
Score: 3.6332
Type of gen. func.: egf]

$$144\,f(x)^2\,x^4-288\,f(x)^2\,x^3+216\,f(x)^2\,x^2-72\,f(x)^2\,x-24\,f(x)\,x^2+8\,x^3$$
$$+9\,f(x)^2+24\,f(x)\,x-12\,x^2-6\,f(x)+6\,x$$

Sequence: A192458
Score: 4.31442

Type of gen. func.: ogf

$$\{(-4 n^2 - 18 n - 18) a(n + 1) + (4 n + 11) a(n + 2) - a(n + 3), a(0) = 0, a(1) = 1, a(2) = 7\}$$

Sequence: A192458
Score: 7.75245
Type of gen. func.: lgdegf]

$$\frac{-1/2 I (3 I - 30 I x + 44 I x^2 - 24 I x^3 + 3 (2 x - 1)^{(3/2)})}{(2 x - 1) (4 x^2 - 6 x + 3) x}$$

Sequence: A192459
Score: 3.68055
Type of gen. func.: egf]

$$144 f(x)^2 x^4 - 288 f(x)^2 x^3 + 216 f(x)^2 x^2 - 72 f(x)^2 x - 48 f(x) x^2 + 8 x^3 + 9 f(x)^2 + 48 f(x) x - 12 x^2 - 12 f(x) + 6 x + 3$$

Sequence: A192459
Score: 4.43683
Type of gen. func.: ogf

$$\{(4 n^2 + 18 n + 18) a(n + 1) + (-4 n - 11) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 3, a(2) = 17\}$$

Sequence: A192461
Score: 3.37751
Type of gen. func.: ogf

$$\{(n^3 + 7 n^2 + 13 n + 4) a(n + 1) + (-3 n^2 - 19 n - 29) a(n + 2) + (n + 3) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 21\}$$

Sequence: A192463

Score: 3.69759
Type of gen. func.: ogf

$$\{(-n^3 - 6 n^2 - 10 n - 3) a(n + 1) + (-n^2 - 7 n - 11) a(n + 2) + (n + 2) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 5\}$$

Sequence: A192464
Score: 7.71220
Type of gen. func.: ogf

$$- \frac{3 x^4 - 7 x^3 - x^2 + 6 x - 2}{(x - 1) (x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A192465
Score: 4.47522
Type of gen. func.: ogf

$$-(145 f(x) - 2972) (8 f(x) x^4 - 6 f(x) x^3 - 7 f(x) x^2 + 24 x^3 + 6 f(x) x - 8 x^2 - f(x) - 9 x + 3)$$

Sequence: A192465
Score: 7.41545
Type of gen. func.: lgdogf

$$- \frac{192 x^6 - 128 x^5 - 84 x^3 + 129 x^2 - 58 x + 9}{(x - 1) (-1 + 4 x) (3 x - 1) (2 x - 1) (x + 1) (8 x^2 - 3)}$$

Sequence: A192465
Score: 8.43405
Type of gen. func.: ogf

$$- \frac{(3 x - 1) (8 x^2 - 3)}{(x - 1) (-1 + 4 x) (2 x - 1) (x + 1)}$$

Sequence: A192466
Score: 4.94629
Type of gen. func.: ogf

$(661 f(x) + 424)$

$$(8 f(x) x^4 - 6 f(x) x^3 - 7 f(x) x^2 + 6 f(x) x + 2 x^2 - f(x) - 6 x + 2)$$

Sequence: A192466
Score: 8.37850
Type of gen. func.: lgdogf

$$- \frac{16 x^5 - 78 x^4 + 68 x^3 - 3 x^2 - 12 x + 3}{(x - 1) (-1 + 4 x) (2 x - 1) (x + 1) (x^2 - 3 x + 1)}$$

Sequence: A192466
Score: 9.53414
Type of gen. func.: ogf

$$- \frac{2 (x^2 - 3 x + 1)}{(x - 1) (-1 + 4 x) (2 x - 1) (x + 1)}$$

Sequence: A192467
Score: 10.2164
Type of gen. func.: ogf

$$- \frac{x^2 - 3 x + 1}{(x - 1) (-1 + 4 x) (2 x - 1) (x + 1)}$$

Sequence: A192467
Score: 5.30025
Type of gen. func.: ogf

$(661 f(x) + 212)$

$$(8 f(x) x^4 - 6 f(x) x^3 - 7 f(x) x^2 + 6 f(x) x + x^2 - f(x) - 3 x + 1)$$

Sequence: A192467
Score: 8.98778
Type of gen. func.: lgdogf

$$-\frac{16 x^5 - 78 x^4 + 68 x^3 - 3 x^2 - 12 x + 3}{(x - 1) (-1 + 4 x) (2 x - 1) (x + 1) (x^2 - 3 x + 1)}$$

Sequence: A192468
Score: 6.55675
Type of gen. func.: ogf

$$-\frac{81 x^4 - 87 x^3 - x^2 + 20 x - 4}{(x - 1) (9 x^2 - 7 x + 1) (3 x^2 + x - 1)}$$

Sequence: A192469
Score: 4.70475
Type of gen. func.: ogf

$$(347 f(x) + 198)$$

$$(27 f(x) x^4 - 12 f(x) x^3 - 13 f(x) x^2 + 8 f(x) x + 6 x^2 - f(x) - 8 x + 2)$$

Sequence: A192469
Score: 7.84351
Type of gen. func.: lgdogf

$$-\frac{2 (81 x^5 - 180 x^4 + 102 x^3 - 4 x^2 - 10 x + 2)}{(x - 1) (3 x - 1) (9 x^2 - 7 x + 1) (3 x^2 + x - 1)}$$

Sequence: A192469
Score: 8.88674
Type of gen. func.: ogf

$$-\frac{2 (3 x - 1) (x - 1)}{(9 x^2 - 7 x + 1) (3 x^2 + x - 1)}$$

Sequence: A192470
Score: 4.62512
Type of gen. func.: ogf

$$(347 f(x) + 99)$$

$$(27 f(x) x^4 - 12 f(x) x^3 - 13 f(x) x^2 + 8 f(x) x + 3 x^2 - f(x) - 4 x + 1)$$

Sequence: A192470
Score: 7.65032
Type of gen. func.: lgdogf

$$- \frac{2 (81 x^5 - 180 x^4 + 102 x^3 - 4 x^2 - 10 x + 2)}{(x - 1) (3 x - 1) (9 x^2 - 7 x + 1) (3 x^2 + x - 1)}$$

Sequence: A192470
Score: 8.67208
Type of gen. func.: ogf

$$- \frac{(3 x - 1) (x - 1)}{(9 x^2 - 7 x + 1) (3 x^2 + x - 1)}$$

Sequence: A192471
Score: 7.41683
Type of gen. func.: ogf

$$- \frac{(2 x - 1) (x^3 - 3 x^2 - x + 2)}{(x - 1) (x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A192472
Score: 7.56015
Type of gen. func.: ogf

$$- \frac{3 x^4 - 8 x^3 - x^2 + 8 x - 3}{(x - 1) (x^2 - 3 x + 1) (x^2 + x - 1)}$$

```
------------------------------------------------------------------------------

Sequence:  A192473
Score: 4.70175
Type of gen. func.: ogf


-(29 f(x) + 20)

           4            3            2    3                 2
    (f(x) x  - 2 f(x) x  - 3 f(x) x  + x  + 4 f(x) x - x  - f(x) - 7 x + 4)



------------------------------------------------------------------------------

Sequence:  A192473
Score: 8.56062
Type of gen. func.: lgdogf


                    6      5       4       3      2
                   x  - 2 x  - 16 x  + 36 x  + 4 x  - 26 x + 9
               - -----------------------------------------------
                   2              2             3    2
                 (x  - 3 x + 1) (x  + x - 1) (x  - x  - 7 x + 4)



------------------------------------------------------------------------------

Sequence:  A192473
Score: 8.73183
Type of gen. func.: ogf


                                 3    2
                                x  - x  - 7 x + 4
                         - ---------------------------
                             2              2
                           (x  - 3 x + 1) (x  + x - 1)



------------------------------------------------------------------------------

Sequence:  A192474
Score: 7.63016
Type of gen. func.: ogf


                             4      3      2
                          2 x  - 2 x  - 9 x  + 11 x - 3
                     - -----------------------------------
                                 2              2
                       (x - 1) (x  - 3 x + 1) (x  + x - 1)



------------------------------------------------------------------------------

Sequence:  A192475
Score: 4.96235
Type of gen. func.: ogf


(29 f(x) + 22)

           4            3            2    3                  2
```

$$(f(x)\, x - 2\, f(x)\, x - 3\, f(x)\, x + x + 4\, f(x)\, x - 3\, x - f(x) - 3\, x + 2)$$

Sequence: A192475
Score: 8.95799
Type of gen. func.: ogf

$$-\frac{x^3 - 3\,x^2 - 3\,x + 2}{(x^2 - 3\,x + 1)\,(x^2 + x - 1)}$$

Sequence: A192475
Score: 9.26625
Type of gen. func.: lgdogf

$$-\frac{x^6 - 6\,x^5 + 12\,x^3 + 12\,x^2 - 18\,x + 5}{(x^2 - 3\,x + 1)\,(x^2 + x - 1)\,(x^3 - 3\,x^2 - 3\,x + 2)}$$

Sequence: A192479
Score: 16.6144
Type of gen. func.: revogf

$$-\frac{(-1 + (-4\,x^2 + 4\,x + 1)^{1/2})\,(x - 1)}{2}$$

Sequence: A192479
Score: 8.73060
Type of gen. func.: revogf

$$\left(1/2 - \frac{(-4\,x^2 + 4\,x + 1)^{1/2}}{2}\right)(x - 1)$$

Sequence: A192481
Score: 14.6768
Type of gen. func.: revogf

$$2\ \ ((8\,x^2 + 1)\,(2\,x - 1)^2)^{1/2}$$

$$- 1/2 + 2 x - 3 x + \frac{\qquad}{2}$$

Sequence: A192481
Score: 8.46205
Type of gen. func.: revogf

$$-3 x^{2} + 2 x - 1/2 + \frac{(32 x^{4} - 32 x^{3} + 12 x^{2} - 4 x + 1)^{1/2}}{2}$$

Sequence: A192482
Score: 11.3172
Type of gen. func.: revogf

$$-x^{2} - x - 1/2 + \frac{(8 x^{2} + 8 x + 1)^{1/2}}{2}$$

Sequence: A192482
Score: 20.9340
Type of gen. func.: revogf

$$-x^{2} - x - 1/2 + \frac{(8 x^{2} + 8 x + 1)^{1/2}}{2}$$

Sequence: A192491
Score: 17.4784
Type of gen. func.: lgdogf

$$- \frac{2 (x + 5) (2 x + 1)}{(x - 1) (2 x^{2} + 6 x + 1)}$$

Sequence: A192491
Score: 4.37297
Type of gen. func.: ogf

$(2151765 f(x) + 226693672)$

4 3 2 2

$$(f(x)\, x - 4 f(x)\, x + 6 f(x)\, x - 4 f(x)\, x - 48 x + f(x) - 144 x - 24)$$

Sequence: A192491
Score: 8.80585
Type of gen. func.: ogf

$$\frac{24 (2 x^2 + 6 x + 1)}{(x - 1)^4}$$

Sequence: A192491
Score: 9.73980
Type of gen. func.: lgdogf

$$-\frac{4 x^2 + 22 x + 10}{2 x^3 + 4 x^2 - 5 x - 1}$$

Sequence: A192543
Score: 9.64092
Type of gen. func.: ogf

$$-\frac{x (x^{10} - x^9 - x^6 - x^3 - 1)}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A192544
Score: 15.8362
Type of gen. func.: ogf

$$-f(x)\, x^2 + 2 f(x)\, x - f(x) - 4 x + 8$$

Sequence: A192544
Score: 22.7147
Type of gen. func.: lgdogf

$$-\frac{x - 3}{(x - 1) (-2 + x)}$$

Sequence: A192544
Score: 5.09743
Type of gen. func.: ogf

$$\{-a(n+2)+2\,a(n+1)-a(n),\ a(0)=8,\ a(1)=12\}$$

Sequence: A192544
Score: 8.81431
Type of gen. func.: lgdogf

$$-\frac{-x+3}{-x^2+3x-2}$$

Sequence: A192544
Score: 9.40193
Type of gen. func.: ogf

$$-\frac{4(-2+x)}{(x-1)^2}$$

Sequence: A192616
Score: 7.23536
Type of gen. func.: ogf

$$-\frac{x^4+x^3-3x^2-x+1}{x^6+x^5-4x^4-x^3+4x^2+x-1}$$

Sequence: A192617
Score: 7.86606
Type of gen. func.: ogf

$$\frac{x(x^2+x-1)}{x^6+x^5-4x^4-x^3+4x^2+x-1}$$

```
------------------------------------------------------------------------------

Sequence:  A192617
Score: 8.35118
Type of gen. func.: lgdogf


                        6      5      4      3      2
                2 x (2 x  + 4 x  - 5 x  - 9 x  + 7 x  + 3 x - 3)
              - -------------------------------------------------
                  2            6    5      4    3      2
                (x  + x - 1) (x  + x  - 4 x  - x  + 4 x  + x - 1)


------------------------------------------------------------------------------

Sequence:  A192651
Score: 10.1963
Type of gen. func.: ogf


                                         2
                                        x
                      - ----------------------------------
                         6    5      4    3      2
                        x  + x  - 4 x  - x  + 4 x  + x - 1


------------------------------------------------------------------------------

Sequence:  A192651
Score: 11.0574
Type of gen. func.: lgdogf


                          5      4       3      2
                       6 x  + 5 x  - 16 x  - 3 x  + 8 x + 1
                     - ------------------------------------
                         6    5      4    3      2
                        x  + x  - 4 x  - x  + 4 x  + x - 1


------------------------------------------------------------------------------

Sequence:  A192727
Score: 9.14058
Type of gen. func.: ogf


                                        4
                                       x
                   - ---------------------------------------
                                         2        2
                     (x - 1) (x + 1) (2 x  - 1) (x  + x - 1)


------------------------------------------------------------------------------

Sequence:  A192727
Score: 9.41343
Type of gen. func.: lgdogf


                         5       4       3      2
                     12 x  + 10 x  - 20 x  - 9 x  + 8 x + 1
                   - ---------------------------------------
```

$$(x - 1) (x + 1) (2 x^{2} - 1) (x^{2} + x - 1)$$

Sequence: A192735
Score: 6.40345
Type of gen. func.: ogf

$$\frac{(x^{2} + 1) (2 x^{4} + 4 x^{3} + 2 x^{2} + 1)}{(x^{2} + x + 1)^{2} (x - 1)^{4}}$$

Sequence: A192736
Score: 6.50881
Type of gen. func.: ogf

$$\frac{2 x^{5} + 2 x^{4} + 6 x^{3} + 5 x^{2} + 2 x + 1}{(x^{2} + x + 1)^{2} (x - 1)^{4}}$$

Sequence: A192736
Score: 8.14759
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^{7} + 6 x^{6} + 19 x^{5} + 28 x^{4} + 22 x^{3} + 20 x^{2} + 8 x + 2)}{(x - 1) (x^{2} + x + 1) (2 x^{5} + 2 x^{4} + 6 x^{3} + 5 x^{2} + 2 x + 1)}$$

Sequence: A192742
Score: 13.7814
Type of gen. func.: ogf

$$- \frac{4 x^{3} + 3 x^{2} - 6 x - 3}{x^{4} + x^{3} - 3 x^{2} - 3 x + 1}$$

Sequence: A192742
Score: 13.7838
Type of gen. func.: lgdogf

$$-\frac{4x^6+6x^5-3x^4+6x^2+12x+15}{(4x^3+3x^2-6x-3)(x^4+x^3-3x^2-3x+1)}$$

Sequence: A192742
Score: 6.93578
Type of gen. func.: ogf

-(1111925 f(x) + 6659978)

$$(f(x)x^4+f(x)x^3-3f(x)x^2+4x^3-3f(x)x+3x^2+f(x)-6x-3)$$

Sequence: A192742
Score: 8.42198
Type of gen. func.: lgdogf

$$-\frac{-4x^6-6x^5+3x^4-6x^2-12x-15}{-4x^7-7x^6+15x^5+30x^4-10x^3-30x^2-3x+3}$$

Sequence: A192745
Score: 3.74858
Type of gen. func.: ogf

{(n + 3) a(n + 1) + (n + 2) a(n + 2) + (-n - 4) a(n + 3) + a(n + 4), a(0) = 0,

a(1) = 1, a(2) = 2, a(3) = 5}

Sequence: A192746
Score: 14.2665
Type of gen. func.: ogf

$$-\frac{x^2-3x-1}{(x-1)(x^2+x-1)}$$

Sequence: A192746
Score: 14.8358
Type of gen. func.: lgdogf

$$-\frac{(x^2+x+1)(x^2-7x+5)}{(x-1)(x^2+x-1)(x^2-3x-1)}$$

Sequence: A192746
Score: 7.71554
Type of gen. func.: ogf

$$-(2f(x)-41)(f(x)x^3-2f(x)x+x^2+f(x)-3x-1)$$

Sequence: A192746
Score: 7.87628
Type of gen. func.: lgdogf

$$-\frac{-x^4+6x^3+x^2+2x-5}{-x^5+3x^4+3x^3-7x^2+x+1}$$

Sequence: A192746
Score: 8.04386
Type of gen. func.: ogf

$$\{a(n+3)-2a(n+2)+a(n),\ a(0)=1,\ a(1)=5,\ a(2)=9\}$$

Sequence: A192747
Score: 10.0816
Type of gen. func.: ogf

$$\frac{x(x^2-3x-1)}{(x^2+x-1)(x-1)^2}$$

Sequence: A192747
Score: 14.5058
Type of gen. func.: lgdogf

4 3 2

$$-\frac{2\,(x - 4\,x - 3\,x + 3)}{(x-1)\,(x^2+x-1)\,(x^2-3\,x-1)}$$

Sequence: A192747
Score: 4.04372
Type of gen. func.: ogf

$\{(3\,n + 11)\,a(n + 1) + 3\,a(n + 2) + (-6\,n - 19)\,a(n + 3) + (8 + 3\,n)\,a(n + 4),$

$a(0) = 0,\ a(1) = 1,\ a(2) = 6,\ a(3) = 15\}$

Sequence: A192747
Score: 5.1828
Type of gen. func.: ogf

$-(543\,f(x) - 2129)$

$(f(x)\,x^4 - f(x)\,x^3 - 2\,f(x)\,x^2 - x^3 + 3\,f(x)\,x + 3\,x^2 - f(x) + x)$

Sequence: A192747
Score: 7.99953
Type of gen. func.: lgdogf

$$-\frac{-2\,x^4 + 8\,x^3 + 6\,x^2 - 6}{-x^5 + 3\,x^4 + 3\,x^3 - 7\,x^2 + x + 1}$$

Sequence: A192748
Score: 14.0123
Type of gen. func.: lgdogf

$$-\frac{2\,(x^4 + 2\,x^3 + 3\,x^2 - x - 2)}{(x-1)\,(x^2+x+1)\,(x^2+x-1)}$$

Sequence: A192748
Score: 4.02939
Type of gen. func.: ogf

$\{(n + 3) a(n + 1) + a(n + 2) + (-2 n - 5) a(n + 3) + (n + 2) a(n + 4), a(0) = 0,$

$a(1) = 1, a(2) = 4, a(3) = 11\}$

Sequence: A192748
Score: 5.45332
Type of gen. func.: ogf

$$(3 f(x) + 7) (f(x) x^4 - f(x) x^3 - 2 f(x) x^2 + x^3 + 3 f(x) x + x^2 - f(x) + x)$$

Sequence: A192748
Score: 7.55511
Type of gen. func.: lgdogf

$$- \frac{-2 x^4 - 4 x^3 - 6 x^2 + 2 x + 4}{-x^5 - x^4 + x^3 + x^2 + x - 1}$$

Sequence: A192748
Score: 9.93549
Type of gen. func.: ogf

$$- \frac{(x^2 + x + 1) x}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A192749
Score: 11.4865
Type of gen. func.: ogf

$$- \frac{x (3 x + 1)}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A192749
Score: 16.3546
Type of gen. func.: lgdogf

$$9 x^3 + 7 x^2 - 2 x - 6$$

```
                        - -------------------------------
                                            2
                          (x - 1) (3 x + 1) (x  + x - 1)



------------------------------------------------------------------------------

Sequence:  A192749
Score: 4.10233
Type of gen. func.: ogf


{(4 n + 13) a(n + 1) + 4 a(n + 2) + (-8 n - 22) a(n + 3) + (4 n + 9) a(n + 4),

    a(0) = 0, a(1) = 1, a(2) = 6, a(3) = 16}



------------------------------------------------------------------------------

Sequence:  A192749
Score: 5.53054
Type of gen. func.: ogf


-(632 f(x) - 17209)

           4         3           2                 2
    (f(x) x  - f(x) x  - 2 f(x) x  + 3 f(x) x + 3 x  - f(x) + x)



------------------------------------------------------------------------------

Sequence:  A192749
Score: 9.33280
Type of gen. func.: lgdogf


                                 3      2
                             -9 x  - 7 x  + 2 x + 6
                          - --------------------------
                                4    3      2
                            -3 x  - x  + 6 x  - x - 1



------------------------------------------------------------------------------

Sequence:  A192750
Score: 13.8189
Type of gen. func.: ogf


                                    2
                                   x  - 4 x - 1
                             - ---------------------
                                         2
                               (x - 1) (x  + x - 1)



------------------------------------------------------------------------------

Sequence:  A192750
Score: 14.3636
Type of gen. func.: lgdogf


                             4      3    2
```

$$-\frac{x - 8x - x - 2x + 6}{(x-1)(x^2+x-1)(x^2-4x-1)}$$

Sequence: A192750
Score: 7.47349
Type of gen. func.: ogf

$$-(7 f(x) - 66) (f(x) x^3 - 2 f(x) x + x^2 + f(x) - 4 x - 1)$$

Sequence: A192750
Score: 7.62919
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 8x^3 + x^2 + 2x - 6}{-x^5 + 4x^4 + 3x^3 - 9x^2 + 2x + 1}$$

Sequence: A192750
Score: 7.70949
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n), a(0) = 1, a(1) = 6, a(2) = 11\}$$

Sequence: A192751
Score: 10.2277
Type of gen. func.: ogf

$$\frac{x (x^2 - 4x - 1)}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A192751
Score: 13.8860
Type of gen. func.: lgdogf

$$-\frac{2x^4 - 11x^3 - 7x^2 + x + 7}{{}^{2}\qquad\qquad{}^{2}}$$

$$(x - 1) (x + x - 1) (x - 4 x - 1)$$

Sequence: A192751
Score: 4.12499
Type of gen. func.: ogf

$$\{(-7 - 2 n) a(n + 1) - 2 a(n + 2) + (4 n + 12) a(n + 3) + (-2 n - 5) a(n + 4),$$
$$a(0) = 0, a(1) = 1, a(2) = 7, a(3) = 18\}$$

Sequence: A192751
Score: 5.2952
Type of gen. func.: ogf

$$-(168 f(x) - 797)$$
$$(f(x) x^4 - f(x) x^3 - 2 f(x) x^2 - x^3 + 3 f(x) x + 4 x^2 - f(x) + x)$$

Sequence: A192751
Score: 7.69715
Type of gen. func.: lgdogf

$$- \frac{-2 x^4 + 11 x^3 + 7 x^2 - x - 7}{-x^5 + 4 x^4 + 3 x^3 - 9 x^2 + 2 x + 1}$$

Sequence: A192752
Score: 13.1225
Type of gen. func.: lgdogf

$$- \frac{2 x^4 - 10 x^3 + x^2 - 4 x + 7}{(x - 1) (2 x^2 - 5 x - 1) (x^2 + x - 1)}$$

Sequence: A192752
Score: 13.8860
Type of gen. func.: ogf

$$- \frac{2 x^2 - 5 x - 1}{}$$

$$(x - 1) (x^2 + x - 1)$$

Sequence: A192752
Score: 7.50977
Type of gen. func.: ogf

$$(705 f(x) + 7523) (f(x) x^3 - 2 f(x) x + 2 x^2 + f(x) - 5 x - 1)$$

Sequence: A192752
Score: 7.50977
Type of gen. func.: lgdogf

$$- \frac{-2 x^4 + 10 x^3 - x^2 + 4 x - 7}{-2 x^5 + 5 x^4 + 5 x^3 - 12 x^2 + 3 x + 1}$$

Sequence: A192752
Score: 7.74692
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n), a(0) = 1, a(1) = 7, a(2) = 12\}$$

Sequence: A192753
Score: 10.2764
Type of gen. func.: ogf

$$\frac{x (2 x^2 - 5 x - 1)}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A192753
Score: 13.9531
Type of gen. func.: lgdogf

$$- \frac{4 x^4 - 13 x^3 - 7 x^2 + 8}{(x - 1) (2 x^2 - 5 x - 1) (x^2 + x - 1)}$$

Sequence: A192753
Score: 4.09934
Type of gen. func.: ogf

$$\{(4 n + 15) a(n + 1) + 4 a(n + 2) + (-8 n - 26) a(n + 3) + (4 n + 11) a(n + 4),$$

$$a(0) = 0, a(1) = 1, a(2) = 8, a(3) = 20\}$$

Sequence: A192753
Score: 5.10325
Type of gen. func.: ogf

$$-(114888 f(x) - 636379)$$

$$(f(x) x^4 - f(x) x^3 - 2 f(x) x^2 - 2 x^3 + 3 f(x) x + 5 x^2 - f(x) + x)$$

Sequence: A192753
Score: 7.98063
Type of gen. func.: lgdogf

$$-\frac{-4 x^4 + 13 x^3 + 7 x^2 - 8}{-2 x^5 + 5 x^4 + 5 x^3 - 12 x^2 + 3 x + 1}$$

Sequence: A192754
Score: 10.2319
Type of gen. func.: lgdogf

$$-\frac{-8 x^3 - 3 x^2 + 6}{-4 x^4 - x^3 + 8 x^2 - 2 x - 1}$$

Sequence: A192754
Score: 17.2805
Type of gen. func.: ogf

$$\frac{4 x + 1}{(x - 1) (x^2 + x - 1)}$$

Sequence: A192754
Score: 18.6168
Type of gen. func.: lgdogf

$$-\frac{8x^3+3x^2-6}{(x-1)(4x+1)(x^2+x-1)}$$

Sequence: A192754
Score: 8.18552
Type of gen. func.: ogf

$$\{a(n+3)-2a(n+2)+a(n),\ a(0)=1,\ a(1)=6,\ a(2)=12\}$$

Sequence: A192754
Score: 8.9382
Type of gen. func.: ogf

$$(97f(x)+47)(f(x)x^3-2f(x)x+f(x)-4x-1)$$

Sequence: A192755
Score: 10.9046
Type of gen. func.: ogf

$$-\frac{x(4x+1)}{(x^2+x-1)(x-1)^2}$$

Sequence: A192755
Score: 15.1787
Type of gen. func.: lgdogf

$$-\frac{12x^3+8x^2-3x-7}{(x-1)(4x+1)(x^2+x-1)}$$

Sequence: A192755
Score: 3.85216
Type of gen. func.: ogf

$\{(-5 n - 16) a(n + 1) - 5 a(n + 2) + (10 n + 27) a(n + 3)$

$+ (-5 n - 11) a(n + 4), a(0) = 0, a(1) = 1, a(2) = 7, a(3) = 19\}$

Sequence: A192755
Score: 5.21175
Type of gen. func.: ogf

$-(8810 f(x) - 98711)$

$(f(x) x^4 - f(x) x^3 - 2 f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) + x)$

Sequence: A192755
Score: 8.75059
Type of gen. func.: lgdogf

$$- \frac{12 x^3 + 8 x^2 - 3 x - 7}{4 x^4 + x^3 - 8 x^2 + 2 x + 1}$$

Sequence: A192756
Score: 12.6949
Type of gen. func.: lgdogf

$$- \frac{2 (x^4 + 5 x^3 + 4 x^2 - 2 x - 3)}{(x - 1) (x^2 + 3 x + 1) (x^2 + x - 1)}$$

Sequence: A192756
Score: 3.93777
Type of gen. func.: ogf

$\{(n + 3) a(n + 1) + a(n + 2) + (-2 n - 5) a(n + 3) + (n + 2) a(n + 4), a(0) = 0,$

$a(1) = 1, a(2) = 6, a(3) = 17\}$

Sequence: A192756

Score: 5.25036
Type of gen. func.: ogf

$$(47 f(x) - 11)$$

$$(f(x) x^4 - f(x) x^3 - 2 f(x) x^2 + x^3 + 3 f(x) x + 3 x^2 - f(x) + x)$$

Sequence: A192756
Score: 7.30720
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 10 x^3 + 8 x^2 - 4 x - 6}{x^5 + 3 x^4 - x^3 - 5 x^2 + x + 1}$$

Sequence: A192756
Score: 9.70956
Type of gen. func.: ogf

$$-\frac{x (x^2 + 3 x + 1)}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A192758
Score: 11.7799
Type of gen. func.: lgdogf

$$-\frac{7 x^5 + 7 x^4 - 3 x^3 + x^2 - 2 x - 2}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x - 1)}$$

Sequence: A192758
Score: 12.7966
Type of gen. func.: ogf

$$-\frac{x}{(x + 1) (x^2 + 1) (x^2 + x - 1) (x - 1)^2}$$

Sequence: A192759
Score: 10.3618
Type of gen. func.: lgdogf

$$-\frac{8 x^{6} + 8 x^{5} - 4 x^{4} + x^{3} + x^{2} - 2 x - 2}{(x - 1) (x^{2} + x - 1) (x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A192759
Score: 12.7332
Type of gen. func.: ogf

$$-\frac{x}{(x^{2} + x - 1) (x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A192760
Score: 10.1124
Type of gen. func.: ogf

$$\frac{x (x^{2} - x - 1)}{(x^{2} + x - 1) (x - 1)^{2}}$$

Sequence: A192760
Score: 15.8142
Type of gen. func.: lgdogf

$$-\frac{2 (-2 + x) (x^{3} + x^{2} - 1)}{(x - 1) (x^{2} + x - 1) (x^{2} - x - 1)}$$

Sequence: A192760
Score: 4.12405
Type of gen. func.: ogf

$\{(-n - 5) a(n + 1) - a(n + 2) + (2 n + 9) a(n + 3) + (-n - 4) a(n + 4),$

$a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 9\}$

Sequence: A192760
Score: 5.31083
Type of gen. func.: ogf

$$-(27 f(x) - 85) (f(x) x^4 - f(x) x^3 - 2 f(x) x^2 - x^3 + 3 f(x) x + x^2 - f(x) + x)$$

Sequence: A192760
Score: 7.68964
Type of gen. func.: lgdogf

$$-\frac{2 x^4 - 2 x^3 - 4 x^2 - 2 x + 4}{x^5 - x^4 - 3 x^3 + 3 x^2 + x - 1}$$

Sequence: A192761
Score: 10.2597
Type of gen. func.: ogf

$$\frac{x (2 x^2 - 2 x - 1)}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A192761
Score: 13.1822
Type of gen. func.: lgdogf

$$-\frac{4 x^4 - 4 x^3 - 4 x^2 - 3 x + 5}{(x - 1) (2 x^2 - 2 x - 1) (x^2 + x - 1)}$$

Sequence: A192761
Score: 4.13788
Type of gen. func.: ogf

$$\{(-n - 6) a(n + 1) - a(n + 2) + (2 n + 11) a(n + 3) + (-n - 5) a(n + 4),$$

$$a(0) = 0, a(1) = 1, a(2) = 5, a(3) = 11\}$$

Sequence: A192761
Score: 5.23745
Type of gen. func.: ogf

$$-(1086 f(x) - 6409)$$

$$(f(x) x^4 - f(x) x^3 - 2 f(x) x^2 - 2 x^3 + 3 f(x) x + 2 x^2 - f(x) + x)$$

Sequence: A192761
Score: 8.14083
Type of gen. func.: lgdogf

$$-\frac{-4 x^4 + 4 x^3 + 4 x^2 + 3 x - 5}{-2 x^5 + 2 x^4 + 5 x^3 - 6 x^2 + 1}$$

Sequence: A192762
Score: 12.1985
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^4 - 3 x^3 - 2 x^2 - 2 x + 3)}{(x - 1) (3 x^2 - 3 x - 1) (x^2 + x - 1)}$$

Sequence: A192762
Score: 3.96785
Type of gen. func.: ogf

$$\{(-n - 7) a(n + 1) - a(n + 2) + (2 n + 13) a(n + 3) + (-n - 6) a(n + 4),$$

$$a(0) = 0, a(1) = 1, a(2) = 6, a(3) = 13\}$$

Sequence: A192762
Score: 5.05761
Type of gen. func.: ogf

$$-(275 f(x) - 2668)$$

$$(f(x) x^4 - f(x) x^3 - 2 f(x) x^2 - 3 x^3 + 3 f(x) x + 3 x^2 - f(x) + x)$$

Sequence: A192762
Score: 7.48105
Type of gen. func.: lgdogf

$$-\frac{-6 x^4 + 6 x^3 + 4 x^2 + 4 x - 6}{-3 x^5 + 3 x^4 + 7 x^3 - 9 x^2 + x + 1}$$

Sequence: A192762
Score: 9.83810
Type of gen. func.: ogf

$$\frac{x (3 x^2 - 3 x - 1)}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A192772
Score: 6.86798
Type of gen. func.: ogf

$$-\frac{(x^2 + 2 x - 1) (x^2 - x - 1)}{x^6 + x^5 - 5 x^4 - x^3 + 5 x^2 + x - 1}$$

Sequence: A192773
Score: 7.60493
Type of gen. func.: ogf

$$\frac{x (x^2 + x - 1)}{x^6 + x^5 - 5 x^4 - x^3 + 5 x^2 + x - 1}$$

Sequence: A192773
Score: 7.97662
Type of gen. func.: lgdogf

$$-\frac{x (4 x^6 + 8 x^5 - 12 x^4 - 21 x^3 + 18 x^2 + 7 x - 8)}{(x^2 + x - 1) (x^6 + x^5 - 5 x^4 - x^3 + 5 x^2 + x - 1)}$$

Sequence: A192774
Score: 10.3099
Type of gen. func.: lgdogf

$$-\frac{6x^5+5x^4-20x^3-3x^2+10x+1}{x^6+x^5-5x^4-x^3+5x^2+x-1}$$

Sequence: A192774
Score: 9.66138
Type of gen. func.: ogf

$$-\frac{x^2}{x^6+x^5-5x^4-x^3+5x^2+x-1}$$

Sequence: A192777
Score: 6.80240
Type of gen. func.: ogf

$$-\frac{x^4+x^3-5x^2-x+1}{(x^2-x-1)(x^4+2x^3-3x^2-2x+1)}$$

Sequence: A192778
Score: 7.52913
Type of gen. func.: lgdogf

$$-\frac{2x(2x^6+4x^5-7x^4-12x^3+11x^2+4x-5)}{(x^2+x-1)(x^2-x-1)(x^4+2x^3-3x^2-2x+1)}$$

Sequence: A192778
Score: 7.60480
Type of gen. func.: ogf

2

$$\frac{x (x + x - 1)}{(x^2 - x - 1) (x^4 + 2 x^3 - 3 x^2 - 2 x + 1)}$$

Sequence: A192779
Score: 10.4008
Type of gen. func.: ogf

$$- \frac{x^2}{(x^2 - x - 1) (x^4 + 2 x^3 - 3 x^2 - 2 x + 1)}$$

Sequence: A192779
Score: 10.4537
Type of gen. func.: lgdogf

$$- \frac{6 x^5 + 5 x^4 - 24 x^3 - 3 x^2 + 12 x + 1}{(x^2 - x - 1) (x^4 + 2 x^3 - 3 x^2 - 2 x + 1)}$$

Sequence: A192780
Score: 7.21631
Type of gen. func.: ogf

$$- \frac{(x - 1) (x + 1) (x^2 + x - 1)}{x^6 + x^5 - 3 x^4 - x^3 + 3 x^2 + x - 1}$$

Sequence: A192781
Score: 8.45549
Type of gen. func.: ogf

$$\frac{x (x^2 + x - 1)}{x^6 + x^5 - 3 x^4 - x^3 + 3 x^2 + x - 1}$$

Sequence: A192781
Score: 9.31715

Type of gen. func.: lgdogf

$$-\frac{x(x-1)(4x^5+12x^4+4x^3-11x^2-x+4)}{(x^2+x-1)(x^6+x^5-3x^4-x^3+3x^2+x-1)}$$

Sequence: A192782
Score: 10.8206
Type of gen. func.: ogf

$$-\frac{x^2}{x^6+x^5-3x^4-x^3+3x^2+x-1}$$

Sequence: A192782
Score: 11.7383
Type of gen. func.: lgdogf

$$-\frac{6x^5+5x^4-12x^3-3x^2+6x+1}{x^6+x^5-3x^4-x^3+3x^2+x-1}$$

Sequence: A192790
Score: 15.3490
Type of gen. func.: lgdogf

$$-\frac{4(5x^2+17x+5)}{(x-1)(10x^2+16x+1)}$$

Sequence: A192790
Score: 4.37297
Type of gen. func.: ogf

$(10773 f(x) + 512492)$

$$(f(x)x^4-4f(x)x^3+6f(x)x^2-4f(x)x-40x^2+f(x)-64x-4)$$

Sequence: A192790
Score: 8.62276
Type of gen. func.: ogf

$$\frac{4\,(10\,x^{2} + 16\,x + 1)}{(x - 1)^{4}}$$

Sequence: A192790
Score: 8.87270
Type of gen. func.: lgdogf

$$-\frac{20\,x^{2} + 68\,x + 20}{10\,x^{3} + 6\,x^{2} - 15\,x - 1}$$

Sequence: A192791
Score: 15.3054
Type of gen. func.: lgdogf

$$-\frac{2\,(4\,x^{2} - 5\,x + 7)}{(x - 1)\,(4\,x^{2} - 6\,x + 5)}$$

Sequence: A192791
Score: 6.30852
Type of gen. func.: ogf

$$(1323\,f(x) + 5912)$$

$$(f(x)\,x^{4} - 4\,f(x)\,x^{3} + 6\,f(x)\,x^{2} - 4\,f(x)\,x - 32\,x^{2} + f(x) + 48\,x - 40)$$

Sequence: A192791
Score: 7.84165
Type of gen. func.: ogf

$$\frac{8\,(4\,x^{2} - 6\,x + 5)}{(x - 1)^{4}}$$

Sequence: A192791
Score: 8.30293
Type of gen. func.: lgdogf

$$-\frac{-8 x^2 + 10 x - 14}{-4 x^3 + 10 x^2 - 11 x + 5}$$

Sequence: A192793
Score: 10.4266
Type of gen. func.: lgdogf

$$-\frac{-6 x^2 - 10}{-3 x^3 + 5 x^2 - 5 x + 3}$$

Sequence: A192793
Score: 19.4506
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^2 + 5)}{(x - 1) (3 x^2 - 2 x + 3)}$$

Sequence: A192793
Score: 4.64251
Type of gen. func.: ogf

$$(13 f(x) + 459)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 108 x^2 + f(x) + 72 x - 108)$$

Sequence: A192793
Score: 8.59492
Type of gen. func.: ogf

$$\frac{36 (3 x^2 - 2 x + 3)}{}$$

$$(x - 1)^4$$

Sequence: A192796
Score: 11.5641
Type of gen. func.: lgdogf

$$- \frac{15 x + 33}{5 x^2 + 2 x - 7}$$

Sequence: A192796
Score: 22.7200
Type of gen. func.: lgdogf

$$- \frac{3 (11 + 5 x)}{(5 x + 7) (x - 1)}$$

Sequence: A192796
Score: 3.73035
Type of gen. func.: ogf

$\{(14 + 7 n) a(n + 3) + (-35 - 2 n) a(n + 2) + (-15 - 5 n) a(n + 1), a(0) = 0,$

$a(1) = 28, a(2) = 132\}$

Sequence: A192796
Score: 4.07186
Type of gen. func.: ogf

$(27279936 f(x) + 569189983)$

$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 20 x^2 + f(x) - 28 x)$

Sequence: A192796
Score: 8.62991
Type of gen. func.: ogf

$$\frac{4 x (5 x + 7)}{(x - 1)^4}$$

Sequence: A192797
Score: 11.9793
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 5 x^4 + 2 x^3 + 6 x^2 + 6 x + 3}{(x - 1) (x + 1) (x^4 + x^3 - x^2 + x + 1)}$$

Sequence: A192797
Score: 7.50067
Type of gen. func.: ogf

$$\frac{4 (x^4 + x^3 - x^2 + x + 1)}{(x + 1)^2 (x - 1)^4}$$

Sequence: A192798
Score: 7.17141
Type of gen. func.: lgdogf

$$-\frac{2 x (x^8 + 2 x^7 - 3 x^6 - 7 x^5 + 4 x^4 + 4 x^3 - 5 x^2 + x + 1)}{(x - 1) (x + 1) (x^2 + x - 1) (x^6 + x^5 - 3 x^4 + 3 x^2 + x - 1)}$$

Sequence: A192798
Score: 7.66976
Type of gen. func.: ogf

$$-\frac{(x - 1) (x + 1) (x^2 + x - 1)}{x^6 + x^5 - 3 x^4 + 3 x^2 + x - 1}$$

Sequence: A192799
Score: 8.71969
Type of gen. func.: ogf

$$x (x^2 + x - 1)$$

$$\overline{x^6 + x^5 - 3 x^4 + 3 x^2 + x - 1}$$

Sequence: A192799
Score: 9.20134
Type of gen. func.: lgdogf

$$-\frac{2 x (x - 1) (2 x^5 + 6 x^4 + 2 x^3 - 5 x^2 + x + 2)}{(x^2 + x - 1) (x^6 + x^5 - 3 x^4 + 3 x^2 + x - 1)}$$

Sequence: A192800
Score: 12.3911
Type of gen. func.: ogf

$$-\frac{x^2}{x^6 + x^5 - 3 x^4 + 3 x^2 + x - 1}$$

Sequence: A192800
Score: 13.1944
Type of gen. func.: lgdogf

$$-\frac{6 x^5 + 5 x^4 - 12 x^3 + 6 x + 1}{x^6 + x^5 - 3 x^4 + 3 x^2 + x - 1}$$

Sequence: A192800
Score: 7.28139
Type of gen. func.: lgdogf

$$-\frac{-6 x^5 - 5 x^4 + 12 x^3 - 6 x - 1}{-x^6 - x^5 + 3 x^4 - 3 x^2 - x + 1}$$

Sequence: A192801
Score: 10.2755
Type of gen. func.: lgdogf

$$-\frac{(x-1)\,(55\,x^3-55\,x^2+18\,x-2)}{(5\,x^2-5\,x+1)\,(11\,x^3-15\,x^2+7\,x-1)}$$

Sequence: A192801
Score: 10.8086
Type of gen. func.: ogf

$$-\frac{5\,x^2-5\,x+1}{11\,x^3-15\,x^2+7\,x-1}$$

Sequence: A192801
Score: 5.82002
Type of gen. func.: ogf

$$-(2\,f(x)+3)\,(11\,f(x)\,x^3-15\,f(x)\,x^2+7\,f(x)\,x+5\,x^2-f(x)-5\,x+1)$$

Sequence: A192801
Score: 5.97318
Type of gen. func.: ogf

$$\{a(n+3)-7\,a(n+2)+15\,a(n+1)-11\,a(n),\ a(0)=1,\ a(1)=2,\ a(2)=4\}$$

Sequence: A192802
Score: 10.8023
Type of gen. func.: ogf

$$\frac{x\,(3\,x-1)}{11\,x^3-15\,x^2+7\,x-1}$$

Sequence: A192802
Score: 11.2086
Type of gen. func.: lgdogf

$$2\,(33\,x^3-39\,x^2+15\,x-2)$$

$$- \frac{\quad}{(3 x - 1) (11 x^3 - 15 x^2 + 7 x - 1)}$$

Sequence: A192802
Score: 5.64016
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 15 a(n + 1) - 11 a(n), a(0) = 0, a(1) = 1, a(2) = 4\}$$

Sequence: A192802
Score: 7.32572
Type of gen. func.: lgdogf

$$- \frac{-66 x^3 + 78 x^2 - 30 x + 4}{-33 x^4 + 56 x^3 - 36 x^2 + 10 x - 1}$$

Sequence: A192802
Score: 7.32572
Type of gen. func.: ogf

$$-11 f(x) x^3 + 15 f(x) x^2 - 7 f(x) x + 3 x^2 + f(x) - x$$

Sequence: A192803
Score: 10.1576
Type of gen. func.: lgdogf

$$- \frac{-33 x^2 + 30 x - 7}{-11 x^3 + 15 x^2 - 7 x + 1}$$

Sequence: A192803
Score: 16.0632
Type of gen. func.: ogf

$$- \frac{x^2}{11 x^3 - 15 x^2 + 7 x - 1}$$

Sequence: A192803
Score: 18.0053
Type of gen. func.: lgdogf

$$-\frac{33 x^2 - 30 x + 7}{11 x^3 - 15 x^2 + 7 x - 1}$$

Sequence: A192803
Score: 6.16712
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 15 a(n + 1) - 11 a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A192803
Score: 8.32189
Type of gen. func.: ogf

$$11 f(x) x^3 - 15 f(x) x^2 + 7 f(x) x + x^2 - f(x)$$

Sequence: A192804
Score: 10.2458
Type of gen. func.: ogf

$$f(x) x^4 - 2 f(x) x + x^2 + f(x) + x - 1$$

Sequence: A192804
Score: 11.5019
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 3 x^4 - 4 x^3 + 2 x^2 - 2 x + 1}{(x - 1) (x^2 + x - 1) (x^3 + x^2 + x - 1)}$$

Sequence: A192804

Score: 13.7256
Type of gen. func.: ogf

$$-\frac{x^2 + x - 1}{(x^3 + x^2 + x - 1)(x - 1)}$$

Sequence: A192805
Score: 10.3375
Type of gen. func.: ogf

$$-\frac{(2 x - 1)(x + 1)}{(x - 1)(x^3 + 2 x^2 + x - 1)}$$

Sequence: A192805
Score: 11.1000
Type of gen. func.: lgdogf

$$-\frac{4 x^5 + 5 x^4 - 2 x^3 - 2 x + 1}{(x - 1)(2 x - 1)(x + 1)(x^3 + 2 x^2 + x - 1)}$$

Sequence: A192805
Score: 5.36306
Type of gen. func.: ogf

$$-(f(x) - 1)(f(x) x^4 + f(x) x^3 - f(x) x^2 - 2 f(x) x + 2 x^2 + f(x) + x - 1)$$

Sequence: A192806
Score: 11.1310
Type of gen. func.: lgdogf

$$-\frac{2 x^4 - 12 x^3 + 19 x^2 - 6 x + 1}{(2 x^2 - 6 x + 1)(x^3 - 5 x^2 + 7 x - 1)}$$

Sequence: A192806

Score: 11.1541
Type of gen. func.: ogf

$$-\frac{2 x^2 - 6 x + 1}{x^3 - 5 x^2 + 7 x - 1}$$

Sequence: A192806
Score: 5.86554
Type of gen. func.: ogf

$$-(f(x) + 15) (f(x) x^3 - 5 f(x) x^2 + 7 f(x) x + 2 x^2 - f(x) - 6 x + 1)$$

Sequence: A192806
Score: 6.07501
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 5 a(n + 1) - a(n), a(0) = 1, a(1) = 1, a(2) = 4\}$$

Sequence: A192806
Score: 6.67060
Type of gen. func.: lgdogf

$$-\frac{2 x^4 - 12 x^3 + 19 x^2 - 6 x + 1}{2 x^5 - 16 x^4 + 45 x^3 - 49 x^2 + 13 x - 1}$$

Sequence: A192807
Score: 10.9542
Type of gen. func.: ogf

$$\frac{x (x - 1)}{x^3 - 5 x^2 + 7 x - 1}$$

Sequence: A192807
Score: 13.6693
Type of gen. func.: lgdogf

$$-\frac{2\,(x^3 - 4\,x^2 + 5\,x - 3)}{(x - 1)\,(x^3 - 5\,x^2 + 7\,x - 1)}$$

Sequence: A192807
Score: 5.62514
Type of gen. func.: ogf

$$\{a(n + 3) - 7\,a(n + 2) + 5\,a(n + 1) - a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 6\}$$

Sequence: A192807
Score: 7.34577
Type of gen. func.: ogf

$$f(x)\,x^3 - 5\,f(x)\,x^2 + 7\,f(x)\,x - x^2 - f(x) + x$$

Sequence: A192807
Score: 7.61451
Type of gen. func.: lgdogf

$$-\frac{2\,x^3 - 8\,x^2 + 10\,x - 6}{x^4 - 6\,x^3 + 12\,x^2 - 8\,x + 1}$$

Sequence: A192808
Score: 10.0085
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x - 1)\,(8\,x^3 - 16\,x^2 + 6\,x - 1)}{(x - 1)\,(-1 + 4\,x)\,(8\,x^3 - 12\,x^2 + 7\,x - 1)}$$

Sequence: A192808
Score: 11.0207
Type of gen. func.: ogf

$$-\frac{(-1 + 4\,x)\,(x - 1)}{{}^{3}\qquad{}^{2}}$$

$$8 x - 12 x + 7 x - 1$$

Sequence: A192808
Score: 5.89036
Type of gen. func.: ogf

$$-(f(x) - 5) (8 f(x) x^3 - 12 f(x) x^2 + 7 f(x) x + 4 x^2 - f(x) - 5 x + 1)$$

Sequence: A192808
Score: 6.04673
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 12 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A192808
Score: 6.50744
Type of gen. func.: lgdogf

$$-\frac{32 x^4 - 80 x^3 + 56 x^2 - 16 x + 2}{32 x^5 - 88 x^4 + 96 x^3 - 51 x^2 + 12 x - 1}$$

Sequence: A192809
Score: 14.3703
Type of gen. func.: ogf

$$-\frac{2 x^2}{8 x^3 - 12 x^2 + 7 x - 1}$$

Sequence: A192809
Score: 17.6940
Type of gen. func.: lgdogf

$$-\frac{24 x^2 - 24 x + 7}{8 x^3 - 12 x^2 + 7 x - 1}$$

Sequence: A192809
Score: 5.95526
Type of gen. func.: ogf

$$\{a(n+3) - 7 a(n+2) + 12 a(n+1) - 8 a(n), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A192809
Score: 8.0614
Type of gen. func.: ogf

$$8 f(x) x^3 - 12 f(x) x^2 + 7 f(x) x + 2 x^2 - f(x)$$

Sequence: A192809
Score: 9.86618
Type of gen. func.: lgdogf

$$-\frac{-24 x^2 + 24 x - 7}{-8 x^3 + 12 x^2 - 7 x + 1}$$

Sequence: A192810
Score: 11.6711
Type of gen. func.: ogf

$$\frac{x (2 x - 1)}{8 x^3 - 12 x^2 + 7 x - 1}$$

Sequence: A192810
Score: 12.3591
Type of gen. func.: lgdogf

$$-\frac{32 x^3 - 48 x^2 + 24 x - 5}{(2 x - 1) (8 x^3 - 12 x^2 + 7 x - 1)}$$

Sequence: A192810

Score: 6.04397
Type of gen. func.: ogf

$$\{-a(n+3) + 7\,a(n+2) - 12\,a(n+1) + 8\,a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 5\}$$

Sequence: A192810
Score: 6.26783
Type of gen. func.: ogf

$$(5\,f(x) + 1)\,(8\,f(x)\,x^3 - 12\,f(x)\,x^2 + 7\,f(x)\,x - 2\,x^2 - f(x) + x)$$

Sequence: A192810
Score: 7.87122
Type of gen. func.: lgdogf

$$-\frac{-32\,x^3 + 48\,x^2 - 24\,x + 5}{-16\,x^4 + 32\,x^3 - 26\,x^2 + 9\,x - 1}$$

Sequence: A192811
Score: 15.2092
Type of gen. func.: ogf

$$-\frac{x^2}{8\,x^3 - 12\,x^2 + 7\,x - 1}$$

Sequence: A192811
Score: 17.0928
Type of gen. func.: lgdogf

$$-\frac{24\,x^2 - 24\,x + 7}{8\,x^3 - 12\,x^2 + 7\,x - 1}$$

Sequence: A192811
Score: 5.75485
Type of gen. func.: ogf

$\{a(n + 3) - 7 a(n + 2) + 12 a(n + 1) - 8 a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$

Sequence: A192811
Score: 7.79011
Type of gen. func.: ogf

$$8 f(x) x^3 - 12 f(x) x^2 + 7 f(x) x + x^2 - f(x)$$

Sequence: A192811
Score: 9.53415
Type of gen. func.: lgdogf

$$- \frac{-24 x^2 + 24 x - 7}{-8 x^3 + 12 x^2 - 7 x + 1}$$

Sequence: A192812
Score: 6.94146
Type of gen. func.: ogf

$$- \frac{x^6 - x^4 + 2 x^3 + 4 x^2 - 8 x + 3}{(x - 1) (x^3 + x^2 - 1) (x^3 - x^2 + 2 x - 1)}$$

Sequence: A192813
Score: 7.44292
Type of gen. func.: lgdogf

$$- \frac{2 x^9 + 6 x^8 - 4 x^7 + 7 x^6 - 8 x^5 + 9 x^4 - 8 x^2 + 2 x + 1}{(x^3 + x^2 - 1) (x^3 - x^2 + 2 x - 1) (x^4 + 2 x^3 - x^2 + x - 1)}$$

Sequence: A192813
Score: 9.13875
Type of gen. func.: ogf

$$x (x^4 + 2 x^3 - x^2 + x - 1)$$

$$- \frac{}{(x^3 + x^2 - 1)\,(x^3 - x^2 + 2 x - 1)}$$

Sequence: A192814
Score: 10.4198
Type of gen. func.: lgdogf

$$- \frac{7 x^4 + 56 x^3 - 38 x^2 + 8 x - 1}{(x^2 + 4 x - 1)\,(7 x^3 - 3 x^2 + 5 x - 1)}$$

Sequence: A192814
Score: 10.6282
Type of gen. func.: ogf

$$\frac{x^2 + 4 x - 1}{7 x^3 - 3 x^2 + 5 x - 1}$$

Sequence: A192814
Score: 5.54122
Type of gen. func.: ogf

$$-(11 f(x) - 15)\,(7 f(x) x^3 - 3 f(x) x^2 + 5 f(x) x - x^2 - f(x) - 4 x + 1)$$

Sequence: A192814
Score: 5.78859
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 3 a(n + 1) + 7 a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A192814
Score: 6.41903
Type of gen. func.: lgdogf

$$- \frac{-7 x^4 - 56 x^3 + 38 x^2 - 8 x + 1}{-7 x^5 - 25 x^4 + 14 x^3 - 22 x^2 + 9 x - 1}$$

Sequence: A192815
Score: 11.3741
Type of gen. func.: ogf

$$\frac{2 x (3 x - 1)}{7 x^3 - 3 x^2 + 5 x - 1}$$

Sequence: A192815
Score: 12.0526
Type of gen. func.: lgdogf

$$- \frac{2 (21 x^3 - 15 x^2 + 3 x - 1)}{(3 x - 1) (7 x^3 - 3 x^2 + 5 x - 1)}$$

Sequence: A192815
Score: 5.84074
Type of gen. func.: ogf

{a(n + 3) - 5 a(n + 2) + 3 a(n + 1) - 7 a(n), a(0) = 0, a(1) = 2, a(2) = 4}

Sequence: A192815
Score: 5.84075
Type of gen. func.: ogf

$$-(f(x) + 1) (7 f(x) x^3 - 3 f(x) x^2 + 5 f(x) x - 6 x^2 - f(x) + 2 x)$$

Sequence: A192815
Score: 7.62732
Type of gen. func.: lgdogf

$$- \frac{-42 x^3 + 30 x^2 - 6 x + 2}{-21 x^4 + 16 x^3 - 18 x^2 + 8 x - 1}$$

Sequence: A192816
Score: 12.0284
Type of gen. func.: ogf

$$\frac{x (3 x - 1)}{7 x^3 - 3 x^2 + 5 x - 1}$$

Sequence: A192816
Score: 12.7541
Type of gen. func.: lgdogf

$$- \frac{2 (21 x^3 - 15 x^2 + 3 x - 1)}{(3 x - 1) (7 x^3 - 3 x^2 + 5 x - 1)}$$

Sequence: A192816
Score: 6.17676
Type of gen. func.: ogf

$$-(2 f(x) + 1) (7 f(x) x^3 - 3 f(x) x^2 + 5 f(x) x - 3 x^2 - f(x) + x)$$

Sequence: A192816
Score: 6.17677
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 3 a(n + 1) - 7 a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A192816
Score: 8.06613
Type of gen. func.: lgdogf

$$- \frac{-42 x^3 + 30 x^2 - 6 x + 2}{-21 x^4 + 16 x^3 - 18 x^2 + 8 x - 1}$$

Sequence: A192827
Score: 11.0366
Type of gen. func.: lgdogf

$$-\frac{-10 x - 8}{-5 x^2 + 4 x + 1}$$

Sequence: A192827
Score: 21.9661
Type of gen. func.: lgdogf

$$-\frac{2 (5 x + 4)}{(5 x + 1) (x - 1)}$$

Sequence: A192827
Score: 4.66199
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 11, a(1) = 88, a(2) = 231}

Sequence: A192827
Score: 4.74378
Type of gen. func.: ogf

$$(14796 f(x) - 595331) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 55 x + 11)$$

Sequence: A192827
Score: 9.83256
Type of gen. func.: ogf

$$-\frac{11 (5 x + 1)}{(x - 1)^3}$$

Sequence: A192828
Score: 6.24948
Type of gen. func.: ogf

$$\frac{4 (x^5 - 8 x^4 + 15 x^3 + 22 x^2 + 38 x + 12)}{(x - 1)^6}$$

Sequence: A192828
Score: 9.28166
Type of gen. func.: lgdogf

$$-\frac{x^5 - 11 x^4 + 13 x^3 + 133 x^2 + 234 x + 110}{(x - 1) (x^5 - 8 x^4 + 15 x^3 + 22 x^2 + 38 x + 12)}$$

Sequence: A192829
Score: 6.07353
Type of gen. func.: ogf

$$\frac{6 (x^7 - 8 x^6 + 50 x^5 + 44 x^4 + 1613 x^3 + 2416 x^2 + 864 x + 60)}{(x - 1)^8}$$

Sequence: A192830
Score: 3.63945
Type of gen. func.: ogf

$$-\frac{4 x (480 x^6 + 576 x^5 - 744 x^4 + 224 x^3 - 4 x^2 - 8 x + 1)}{(-1 + 4 x)^4 (2 x - 1)^5}$$

Sequence: A192831
Score: 5.79570
Type of gen. func.: ogf

$$-\frac{4 (80 x^4 - 36 x^3 - 6 x^2 + 6 x - 1)}{(-1 + 4 x)^3 (2 x - 1)^3}$$

Sequence: A192832
Score: 11.3204
Type of gen. func.: lgdogf

2

$$-\frac{12 x + 36 x + 12}{3 x^{3} + 3 x^{2} - 5 x - 1}$$

Sequence: A192832
Score: 21.3790
Type of gen. func.: lgdogf

$$-\frac{12 (x^{2} + 3 x + 1)}{(x - 1) (3 x^{2} + 6 x + 1)}$$

Sequence: A192832
Score: 3.73630
Type of gen. func.: ogf

{(n + 3) a(n + 4) + (-2 + 5 n) a(n + 3) + (-39 - 3 n) a(n + 2)

+ (-12 - 3 n) a(n + 1), a(0) = 0, a(1) = 48, a(2) = 576, a(3) = 2880}

Sequence: A192832
Score: 7.81926
Type of gen. func.: ogf

$$\frac{48 x (3 x^{2} + 6 x + 1)}{(x - 1)^{6}}$$

Sequence: A192833
Score: 13.8331
Type of gen. func.: lgdogf

$$-\frac{2 (x^{5} + x^{4} + 4 x^{3} + 6 x^{2} + 9 x + 3)}{(x - 1) (x + 1) (x^{4} + x^{2} + 2 x + 2)}$$

Sequence: A192833
Score: 8.33647
Type of gen. func.: lgdogf

$$-\frac{-2x^5 - 2x^4 - 8x^3 - 12x^2 - 18x - 6}{-x^6 - 2x^3 - x^2 + 2x + 2}$$

Sequence: A192833
Score: 8.42241
Type of gen. func.: ogf

$$\frac{12\,(x^4 + x^2 + 2x + 2)}{(x+1)^2\,(x-1)^4}$$

Sequence: A192834
Score: 6.52238
Type of gen. func.: ogf

$$\frac{4x\,(12x^4 - 2x^3 + 25x^2 - 4x - 1)}{(x-1)\,(-1+6x)\,(-1+4x)\,(3x-1)\,(2x-1)}$$

Sequence: A192836
Score: 7.32269
Type of gen. func.: ogf

$$-\frac{7x^5 - 14x^4 - 14x^3 + 24x^2 - x - 14}{(x+1)^2\,(x-1)^4}$$

Sequence: A192838
Score: 5.16597
Type of gen. func.: ogf

$$\frac{12\,(x+2)\,(x^3 - x^2 + x + 1)}{(x+1)^2\,(x-1)^4}$$

Sequence: A192838

Score: 8.09073
Type of gen. func.: lgdogf

$$-\frac{2x^5+5x^4+2x^3+16x^2+16x+7}{(x-1)(x+2)(x+1)(x^3-x^2+x+1)}$$

Sequence: A192839
Score: 11.8281
Type of gen. func.: lgdogf

$$-\frac{36x^2+68x+16}{9x^3+x^2-9x-1}$$

Sequence: A192839
Score: 21.1426
Type of gen. func.: lgdogf

$$-\frac{4(9x^2+17x+4)}{(x-1)(9x+1)(x+1)}$$

Sequence: A192839
Score: 3.90384
Type of gen. func.: ogf

$$\{(n+3)a(n+4)+(2+9n)a(n+3)+(-69-n)a(n+2)$$
$$+(-36-9n)a(n+1), a(0)=0, a(1)=48, a(2)=768, a(3)=4320\}$$

Sequence: A192839
Score: 8.16990
Type of gen. func.: ogf

$$\frac{48x(x+1)(9x+1)}{(x-1)^6}$$

Sequence: A192845

Score: 14.0409
Type of gen. func.: lgdogf

$$-\frac{2\,(5x^2 - 10x - 7)}{(x - 1)\,(5x^2 - 10x - 1)}$$

Sequence: A192845
Score: 4.12645
Type of gen. func.: ogf

(123 f(x) + 9053)

$$(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - 4\,f(x)\,x + 20\,x^2 + f(x) - 40\,x - 4)$$

Sequence: A192845
Score: 7.90420
Type of gen. func.: ogf

$$-\frac{4\,(5x^2 - 10x - 1)}{(x - 1)^4}$$

Sequence: A192845
Score: 8.25291
Type of gen. func.: lgdogf

$$-\frac{-10x^2 + 20x + 14}{-5x^3 + 15x^2 - 9x - 1}$$

Sequence: A192846
Score: 5.69254
Type of gen. func.: ogf

$$\frac{2\,(x^4 + 2x^3 + 14x + 7)}{(x + 1)^2\,(x - 1)^4}$$

Sequence: A192846
Score: 7.98767
Type of gen. func.: lgdogf

$$-\frac{2\,(x^5 + 4x^4 + 4x^3 + 38x^2 + 35x + 14)}{(x - 1)\,(x + 1)\,(x^4 + 2x^3 + 14x + 7)}$$

Sequence: A192847
Score: 4.34196
Type of gen. func.: ogf

$$\{(16n^2 - 8n - 168)\,a(n + 1) + (27n^2 + 414n + 99)\,a(n + 2)$$

$$+ (-43n^2 + 7n)\,a(n + 3),\ a(0) = 0,\ a(1) = 0,\ a(2) = 0,\ a(3) = 72\}$$

Sequence: A192847
Score: 6.32781
Type of gen. func.: ogf

$$\frac{36x^3\,(8x^3 + 11x^2 + 14x + 2)}{(x - 1)^8}$$

Sequence: A192847
Score: 9.49172
Type of gen. func.: lgdogf

$$-\frac{-40x^3 - 90x^2 - 120x - 30}{-8x^4 - 3x^3 - 3x^2 + 12x + 2}$$

Sequence: A192848
Score: 13.4452
Type of gen. func.: ogf

$$-\frac{12\,(x^2 - 4x - 1)}{{}^{4}}$$

$$(x - 1)$$

Sequence: A192848
Score: 14.8932
Type of gen. func.: lgdogf

$$- \frac{-2 x^{2} + 10 x + 8}{-x^{3} + 5 x^{2} - 3 x - 1}$$

Sequence: A192848
Score: 17.6244
Type of gen. func.: lgdogf

$$- \frac{2 (x^{2} - 5 x - 4)}{(x - 1) (x^{2} - 4 x - 1)}$$

Sequence: A192848
Score: 4.76875
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (-1 - 3 n) a(n + 3) + (20 + 5 n) a(n + 2)$$

$$+ (-n - 3) a(n + 1), a(0) = 12, a(1) = 96, a(2) = 300, a(3) = 672\}$$

Sequence: A192848
Score: 7.0149
Type of gen. func.: ogf

$$(230 f(x) + 11567)$$

$$(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 4 f(x) x + 12 x^{2} + f(x) - 48 x - 12)$$

Sequence: A192849
Score: 13.8769
Type of gen. func.: lgdogf

$$- \frac{-20 x - 10}{{}^{2}}$$

$$-4 x \quad + 3 x + 1$$

Sequence: A192849
Score: 27.4817
Type of gen. func.: lgdogf

$$-\frac{10 (2 x + 1)}{(4 x + 1) (x - 1)}$$

Sequence: A192849
Score: 4.59500
Type of gen. func.: ogf

$$\{(-n - 1) a(n + 3) + (10 - 3 n) a(n + 2) + (16 + 4 n) a(n + 1), a(0) = 0,$$
$$a(1) = 0, a(2) = 24\}$$

Sequence: A192849
Score: 7.70939
Type of gen. func.: ogf

$$\frac{24 x^{2} (4 x + 1)}{(x - 1)^{6}}$$

Sequence: A192850
Score: 6.22957
Type of gen. func.: ogf

$$\frac{2 (x^{4} + 2 x^{3} + 46 x + 23)}{(x + 1)^{2} (x - 1)^{4}}$$

Sequence: A192850
Score: 8.37977
Type of gen. func.: lgdogf

$$-\frac{2 (x^{5} + 4 x^{4} + 4 x^{3} + 118 x^{2} + 115 x + 46)}{\qquad ^{4} \qquad ^{3}}$$

$$(x - 1) (x + 1) (x \quad + 2 x \quad + 46 x + 23)$$

Sequence: A192857
Score: 10.6515
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^2 + 13 x - 4)}{x^4 - x^3 - 7 x^2 - 3 x + 1}$$

Sequence: A192857
Score: 5.3949
Type of gen. func.: ogf

$$-(1313197 f(x) + 3198530)$$

$$(f(x) x^4 - f(x) x^3 - 7 f(x) x^2 + x^3 - 3 f(x) x + 14 x^2 + f(x) + 9 x - 4)$$

Sequence: A192858
Score: 12.5473
Type of gen. func.: ogf

$$\frac{2 (x + 1) (x - 1)^2}{(x^2 - 3 x + 1)^2}$$

Sequence: A192858
Score: 13.5929
Type of gen. func.: lgdogf

$$- \frac{x^3 + 2 x^2 - 4 x + 5}{x^4 - 3 x^3 + 3 x - 1}$$

Sequence: A192858
Score: 22.9750
Type of gen. func.: lgdogf

$$3 \qquad 2$$

$$-\frac{x + 2 x - 4 x + 5}{(x - 1) (x + 1) (x^2 - 3 x + 1)}$$

Sequence: A192858
Score: 6.89216
Type of gen. func.: ogf

$$(525 f(x) + 547) (f(x) x^4 - 6 f(x) x^3 + 11 f(x) x^2 - 2 x^3 - 6 f(x) x + 2 x^2 + f(x) + 2 x - 2)$$

Sequence: A192872
Score: 4.31764
Type of gen. func.: ogf

$$(599 f(x) + 138) (f(x) x^4 - 3 f(x) x^3 - 2 x^3 + 3 f(x) x + 3 x^2 - f(x) - 3 x + 1)$$

Sequence: A192872
Score: 6.51620
Type of gen. func.: lgdogf

$$-\frac{2 x (x^5 - 3 x^4 + 9 x^3 - 17 x^2 + 12 x - 3)}{(x - 1) (2 x - 1) (x + 1) (x^2 - 3 x + 1) (x^2 - x + 1)}$$

Sequence: A192872
Score: 7.69667
Type of gen. func.: ogf

$$\frac{(2 x - 1) (x^2 - x + 1)}{(x^2 - 3 x + 1) (x - 1) (x + 1)}$$

Sequence: A192873
Score: 12.2567
Type of gen. func.: ogf

$$-\frac{x\,(x^2 - x + 1)}{(x^2 - 3\,x + 1)\,(x - 1)\,(x + 1)}$$

Sequence: A192873
Score: 12.2872
Type of gen. func.: lgdogf

$$-\frac{2\,(x^5 - 3\,x^4 + 5\,x^3 - 6\,x^2 + x + 1)}{(x - 1)\,(x + 1)\,(x^2 - 3\,x + 1)\,(x^2 - x + 1)}$$

Sequence: A192873
Score: 6.58417
Type of gen. func.: ogf

$$-(31\,f(x) + 18)\,(f(x)\,x^4 - 3\,f(x)\,x^3 + x^3 + 3\,f(x)\,x - x^2 - f(x) + x)$$

Sequence: A192873
Score: 7.51591
Type of gen. func.: lgdogf

$$-\frac{2\,x^5 - 6\,x^4 + 10\,x^3 - 12\,x^2 + 2\,x + 2}{x^6 - 4\,x^5 + 4\,x^4 - 4\,x^2 + 4\,x - 1}$$

Sequence: A192874
Score: 6.65633
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1)\,(4\,x^2 + x - 1)}{(x - 1)\,(4\,x^2 + 2\,x - 1)\,(x^2 - x - 1)}$$

Sequence: A192875
Score: 6.68768
Type of gen. func.: lgdogf

$$-\frac{16 x^{7} - 24 x^{6} + 28 x^{5} - 5 x^{4} - 42 x^{3} - x^{2} + 10 x + 3}{(x - 1) (2 x + 1) (x^{2} - x + 1) (4 x^{2} + 2 x - 1) (x^{2} - x - 1)}$$

Sequence: A192875
Score: 7.24836
Type of gen. func.: ogf

$$-\frac{x (2 x + 1) (x^{2} - x + 1)}{(x - 1) (4 x^{2} + 2 x - 1) (x^{2} - x - 1)}$$

Sequence: A192876
Score: 7.27390
Type of gen. func.: lgdogf

$$-\frac{48 x^{6} - 32 x^{5} - 58 x^{4} + 14 x^{3} + 13 x^{2} - 4 x - 1}{(x^{2} - x - 1) (4 x^{2} + 2 x - 1) (4 x^{2} + x - 1) (x - 1)}$$

Sequence: A192876
Score: 8.29335
Type of gen. func.: ogf

$$\frac{4 x^{2} + x - 1}{(x - 1) (4 x^{2} + 2 x - 1) (x^{2} - x - 1)}$$

Sequence: A192877
Score: 8.58553
Type of gen. func.: lgdogf

$$-\frac{32 x^{5} - 16 x^{4} - 44 x^{3} - 3 x^{2} + 12 x + 4}{(x - 1) (2 x + 1) (4 x^{2} + 2 x - 1) (x^{2} - x - 1)}$$

Sequence: A192877
Score: 8.83704
Type of gen. func.: ogf

$$-\frac{(2x+1)x}{(x-1)(4x^2+2x-1)(x^2-x-1)}$$

Sequence: A192878
Score: 12.9478
Type of gen. func.: ogf

$$-\frac{2x^2+6x-3}{(x+1)(x^2-3x+1)}$$

Sequence: A192878
Score: 6.69336
Type of gen. func.: ogf

$$(7011 f(x) - 16937) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + 2 x^2 + f(x) + 6 x - 3)$$

Sequence: A192878
Score: 7.11548
Type of gen. func.: ogf

$$\{-a(n+3) + 2 a(n+2) + 2 a(n+1) - a(n), a(0) = 3, a(1) = 0, a(2) = 4\}$$

Sequence: A192878
Score: 8.22727
Type of gen. func.: lgdogf

$$-\frac{2x^4+12x^3-17x^2+8x}{2x^5+2x^4-19x^3-4x^2+12x-3}$$

Sequence: A192878
Score: 8.73696
Type of gen. func.: lgdogf

$$-\frac{x(2x^3+12x^2-17x+8)}{(x+1)(x^2-3x+1)(2x^2+6x-3)}$$

Sequence: A192879
Score: 11.2303
Type of gen. func.: lgdogf

$$-\frac{4x^3-x^2-4x-4}{(2x+1)(x+1)(x^2-3x+1)}$$

Sequence: A192879
Score: 13.3065
Type of gen. func.: ogf

$$\frac{(2x+1)x}{(x+1)(x^2-3x+1)}$$

Sequence: A192879
Score: 6.83305
Type of gen. func.: ogf

$$\{a(n+3)-2a(n+2)-2a(n+1)+a(n),\ a(0)=0,\ a(1)=1,\ a(2)=4\}$$

Sequence: A192879
Score: 8.92314
Type of gen. func.: ogf

$$-f(x)x^3+2f(x)x^2+2f(x)x+2x^2-f(x)+x$$

Sequence: A192879
Score: 9.97984
Type of gen. func.: lgdogf

$$4x^3-x^2-4x-4$$

$$- \frac{}{2 x^{4} - 3 x^{3} - 6 x^{2} + 1}$$

Sequence: A192880
Score: 4.42595
Type of gen. func.: ogf

$$-(708 f(x) + 29)$$

$$(f(x) x^{4} - 2 f(x) x^{3} - 7 f(x) x^{2} + x^{3} - 2 f(x) x + 4 x^{2} + f(x) + 2 x - 1)$$

Sequence: A192880
Score: 8.27712
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^{2} + 3 x - 1)}{x^{4} - 2 x^{3} - 7 x^{2} - 2 x + 1}$$

Sequence: A192880
Score: 8.48218
Type of gen. func.: lgdogf

$$- \frac{x (x^{5} + 8 x^{4} + 5 x^{3} - 8 x^{2} - 3 x + 6)}{(x + 1) (x^{2} + 3 x - 1) (x^{4} - 2 x^{3} - 7 x^{2} - 2 x + 1)}$$

Sequence: A192882
Score: 10.5537
Type of gen. func.: lgdogf

$$- \frac{2 x^{5} + x^{4} - 11 x^{2} - 16 x - 3}{(x^{2} + x + 1) (x^{4} - 2 x^{3} - 7 x^{2} - 2 x + 1)}$$

Sequence: A192882
Score: 4.70095
Type of gen. func.: ogf

$$-(16 f(x) + 37)$$

$$(f(x) x^4 - 2 f(x) x^3 - 7 f(x) x^2 - x^3 - 2 f(x) x - x^2 + f(x) - x)$$

Sequence: A192882
Score: 8.95114
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) x}{x^4 - 2 x^3 - 7 x^2 - 2 x + 1}$$

Sequence: A192883
Score: 12.0714
Type of gen. func.: lgdogf

$$-\frac{x (x^3 - 8 x^2 + 16 x - 10)}{(x + 1) (x^2 - 3 x + 1) (x^2 - 4 x + 2)}$$

Sequence: A192883
Score: 12.3224
Type of gen. func.: ogf

$$\frac{x^2 - 4 x + 2}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A192883
Score: 6.37004
Type of gen. func.: ogf

$$(10212 f(x) - 4799) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x - x^2 + f(x) + 4 x - 2)$$

Sequence: A192883
Score: 6.77176
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 2, a(1) = 0, a(2) = 5\}$$

Sequence: A192883
Score: 7.99644
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 8 x^3 - 16 x^2 + 10 x}{-x^5 + 6 x^4 - 8 x^3 - 5 x^2 + 8 x - 2}$$

Sequence: A192886
Score: 10.2409
Type of gen. func.: lgdogf

$$\frac{8 x^6 - 17 x^5 + 21 x^4 - 8 x^3 + 8 x - 4}{(x - 1) (2 x - 1) (x^5 - x^4 + 2 x^3 + 3 x^2 - 1)}$$

Sequence: A192886
Score: 6.67489
Type of gen. func.: ogf

$$\frac{x^4 (x^5 - x^4 + 2 x^3 + 3 x^2 - 1) (x - 1)^2}{(2 x - 1)^3}$$

Sequence: A192904
Score: 5.27334
Type of gen. func.: ogf

$$-(21 f(x) - 19) (f(x) x^4 + f(x) x^3 + x^3 + 3 f(x) x + x^2 - f(x) - 3 x + 1)$$

Sequence: A192904
Score: 9.55316
Type of gen. func.: ogf

$$(x - 1) (x^2 + 2 x - 1)$$

$$-\frac{}{x^4 + x^3 + 3 x - 1}$$

Sequence: A192904
Score: 9.83758
Type of gen. func.: lgdogf

$$-\frac{x (x + 1) (x^2 + 3 x - 2) (x^2 - 2 x - 1)}{(x - 1) (x^2 + 2 x - 1) (x^4 + x^3 + 3 x - 1)}$$

Sequence: A192905
Score: 11.0048
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + x^4 - 4 x^3 - 6 x^2 + 2 x - 3}{(x - 1) (x + 1) (x^4 + x^3 + 3 x - 1)}$$

Sequence: A192905
Score: 11.5644
Type of gen. func.: ogf

$$\frac{x (x - 1) (x + 1)}{x^4 + x^3 + 3 x - 1}$$

Sequence: A192905
Score: 5.93844
Type of gen. func.: ogf

$$-(9 f(x) - 5) (f(x) x^4 + f(x) x^3 - x^3 + 3 f(x) x - f(x) + x)$$

Sequence: A192906
Score: 4.52802
Type of gen. func.: ogf

$$(53 f(x) - 18) (f(x) x^4 + f(x) x^3 + 3 f(x) x - x^2 - f(x) - 2 x + 1)$$

Sequence: A192906
Score: 8.38797
Type of gen. func.: ogf

$$\frac{x^2 + 2 x - 1}{x^4 + x^3 + 3 x - 1}$$

Sequence: A192906
Score: 9.07189
Type of gen. func.: lgdogf

$$- \frac{2 x^5 + 7 x^4 - 6 x^2 + 2 x - 1}{(x^2 + 2 x - 1) (x^4 + x^3 + 3 x - 1)}$$

Sequence: A192907
Score: 12.0621
Type of gen. func.: lgdogf

$$- \frac{3 x^4 + 6 x^3 + 3 x^2 + 4}{(x + 1) (x^4 + x^3 + 3 x - 1)}$$

Sequence: A192907
Score: 4.91154
Type of gen. func.: ogf

$$(238 f(x) - 47) (f(x) x^4 + f(x) x^3 + 3 f(x) x + x^2 - f(x) + x)$$

Sequence: A192907
Score: 9.47839
Type of gen. func.: ogf

$$- \frac{x (x + 1)}{x^4 + x^3 + 3 x - 1}$$

Sequence: A192908
Score: 4.82159
Type of gen. func.: ogf

$$\{a(n + 4) - 4 a(n + 3) + 4 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 7\}$$

Sequence: A192908
Score: 5.34833
Type of gen. func.: ogf

$$(2 f(x) + 1) (f(x) x^3 - 4 f(x) x^2 - 2 x^3 + 4 f(x) x + 3 x^2 - f(x) - 3 x + 1)$$

Sequence: A192908
Score: 9.22391
Type of gen. func.: ogf

$$\frac{(2 x - 1) (x^2 - x + 1)}{(x - 1) (x^2 - 3 x + 1)}$$

Sequence: A192908
Score: 9.58648
Type of gen. func.: lgdogf

$$- \frac{5 x^4 - 10 x^3 + 3 x^2 + 2 x - 1}{(x - 1) (2 x - 1) (x^2 - 3 x + 1) (x^2 - x + 1)}$$

Sequence: A192909
Score: 7.13495
Type of gen. func.: lgdogf

$$- \frac{(x + 1) (x^7 + x^6 - 6 x^5 + 12 x^4 - 6 x^3 + 4 x^2 - 3 x + 1)}{(x - 1) (x^2 - x + 1) (x^4 + x^3 + 3 x - 1) (x^2 + 2 x - 1)}$$

Sequence: A192909
Score: 7.79369
Type of gen. func.: ogf

$$-\frac{(x^2 - x + 1)(x^2 + 2x - 1)}{(x - 1)(x^4 + x^3 + 3x - 1)}$$

Sequence: A192910
Score: 10.7495
Type of gen. func.: ogf

$$\frac{x(x + 1)(x^2 - x + 1)}{(x - 1)(x^4 + x^3 + 3x - 1)}$$

Sequence: A192910
Score: 9.98305
Type of gen. func.: lgdogf

$$-\frac{2(x^7 + x^4 + 4x^3 - 3x^2 + 3x - 2)}{(x - 1)(x + 1)(x^2 - x + 1)(x^4 + x^3 + 3x - 1)}$$

Sequence: A192911
Score: 6.66440
Type of gen. func.: lgdogf

$$-\frac{x^2(6x^6 + 12x^5 - 3x^4 + 6x^3 + 23x^2 - 2x - 9)}{(x + 1)(2x^2 + 2x - 1)(x^6 - x^5 + 2x^4 + 5x^3 + 4x^2 + x - 1)}$$

Sequence: A192911
Score: 6.95104
Type of gen. func.: ogf

$$(x + 1)(2x^2 + 2x - 1)$$

$$x^6 - x^5 + 2x^4 + 5x^3 + 4x^2 + x - 1$$

Sequence: A192912
Score: 6.80181
Type of gen. func.: ogf

$$-\frac{x(2x^3 - x^2 - x + 1)}{x^6 - x^5 + 2x^4 + 5x^3 + 4x^2 + x - 1}$$

Sequence: A192912
Score: 7.33833
Type of gen. func.: lgdogf

$$-\frac{2x(x - 1)(3x^6 - x^5 + 3x^3 - 9x^2 - 12x - 3)}{(2x^3 - x^2 - x + 1)(x^6 - x^5 + 2x^4 + 5x^3 + 4x^2 + x - 1)}$$

Sequence: A192913
Score: 7.16602
Type of gen. func.: ogf

$$\frac{x^2(x + 1)(-2 + x)}{x^6 - x^5 + 2x^4 + 5x^3 + 4x^2 + x - 1}$$

Sequence: A192913
Score: 7.17147
Type of gen. func.: lgdogf

$$-\frac{4x^7 - 8x^6 - 4x^5 + 9x^4 - 26x^3 - 35x^2 - 14x - 3}{(-2 + x)(x + 1)(x^6 - x^5 + 2x^4 + 5x^3 + 4x^2 + x - 1)}$$

Sequence: A192914
Score: 11.2827
Type of gen. func.: lgdogf

$$-\frac{x(3x^3-4x^2+13x-10)}{(x+1)(x^2-3x+1)(3x^2-2x+1)}$$

Sequence: A192914
Score: 12.3781
Type of gen. func.: ogf

$$\frac{3x^2-2x+1}{(x+1)(x^2-3x+1)}$$

Sequence: A192914
Score: 6.18906
Type of gen. func.: ogf

$$-(4481 f(x)+11144)(f(x)x^3-2f(x)x^2-2f(x)x-3x^2+f(x)+2x-1)$$

Sequence: A192914
Score: 6.80240
Type of gen. func.: ogf

$$\{a(n+3)-2a(n+2)-2a(n+1)+a(n),\ a(0)=1,\ a(1)=0,\ a(2)=5\}$$

Sequence: A192914
Score: 8.03262
Type of gen. func.: lgdogf

$$-\frac{3x^4-4x^3+13x^2-10x}{3x^5-8x^4-x^3+5x^2-4x+1}$$

Sequence: A192916
Score: 11.4581
Type of gen. func.: lgdogf

3   2

$$-\frac{x (4 x - 4 x + 15 x - 12)}{(x + 1) (x^{2} - 3 x + 1) (4 x^{2} - 2 x + 1)}$$

Sequence: A192916
Score: 12.5454
Type of gen. func.: ogf

$$\frac{4 x^{2} - 2 x + 1}{(x + 1) (x^{2} - 3 x + 1)}$$

Sequence: A192916
Score: 6.2727
Type of gen. func.: ogf

$$-(9049 f(x) + 37607) (f(x) x^{3} - 2 f(x) x^{2} - 2 f(x) x - 4 x^{2} + f(x) + 2 x - 1)$$

Sequence: A192916
Score: 6.89432
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 1, a(1) = 0, a(2) = 6\}$$

Sequence: A192916
Score: 8.05547
Type of gen. func.: lgdogf

$$-\frac{4 x^{4} - 4 x^{3} + 15 x^{2} - 12 x}{4 x^{5} - 10 x^{4} - 3 x^{3} + 6 x^{2} - 4 x + 1}$$

Sequence: A192917
Score: 13.7241
Type of gen. func.: ogf

$$-\frac{x (4 x - 5)}{(x + 1) (x^{2} - 3 x + 1)}$$

Sequence: A192917
Score: 13.8842
Type of gen. func.: lgdogf

$$-\frac{8x^3 - 23x^2 + 20x + 6}{(4x - 5)(x + 1)(x^2 - 3x + 1)}$$

Sequence: A192917
Score: 6.62945
Type of gen. func.: ogf

$$-(14767 f(x) - 3404)(f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + 4 x^2 + f(x) - 5 x)$$

Sequence: A192917
Score: 7.04753
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 5, a(2) = 6\}$$

Sequence: A192917
Score: 9.31281
Type of gen. func.: lgdogf

$$-\frac{-8x^3 + 23x^2 - 20x - 6}{-4x^4 + 13x^3 - 2x^2 - 14x + 5}$$

Sequence: A192919
Score: 11.3754
Type of gen. func.: lgdogf

$$-\frac{x(2x^3 - 12x^2 + 25x - 16)}{(x + 1)(x^2 - 3x + 1)(2x^2 - 6x + 3)}$$

Sequence: A192919
Score: 12.7127
Type of gen. func.: ogf

$$\frac{2 x^2 - 6 x + 3}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A192919
Score: 6.30466
Type of gen. func.: ogf

$$-(99027 f(x) - 34937) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x - 2 x^2 + f(x) + 6 x - 3)$$

Sequence: A192919
Score: 6.98625
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 3, a(1) = 0, a(2) = 8}

Sequence: A192919
Score: 7.91300
Type of gen. func.: lgdogf

$$-\frac{-2 x^4 + 12 x^3 - 25 x^2 + 16 x}{-2 x^5 + 10 x^4 - 11 x^3 - 8 x^2 + 12 x - 3}$$

Sequence: A192920
Score: 12.0427
Type of gen. func.: ogf

$$-\frac{x (2 x - 5)}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A192920
Score: 14.0924

Type of gen. func.: lgdogf

$$-\frac{4x^3-19x^2+20x+8}{(2x-5)(x+1)(x^2-3x+1)}$$

Sequence: A192920
Score: 5.81724
Type of gen. func.: ogf

$$-(13367 f(x)+7788)(f(x) x^3-2 f(x) x^2-2 f(x) x+2 x^2+f(x)-5 x)$$

Sequence: A192920
Score: 6.18408
Type of gen. func.: ogf

$$\{a(n+3)-2 a(n+2)-2 a(n+1)+a(n), a(0)=0, a(1)=5, a(2)=8\}$$

Sequence: A192920
Score: 8.27028
Type of gen. func.: lgdogf

$$-\frac{-4x^3+19x^2-20x-8}{-2x^4+9x^3-6x^2-12x+5}$$

Sequence: A192921
Score: 11.3295
Type of gen. func.: lgdogf

$$-\frac{4x^4+5x^2-4x+2}{(2x+1)(-1+2x)(x+1)(x^2-3x+1)}$$

Sequence: A192921
Score: 13.9167
Type of gen. func.: ogf

$$-\frac{(-1 + 2 x) (2 x + 1)}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A192921
Score: 7.0826
Type of gen. func.: ogf

$$(449 f(x) - 1082) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + 4 x^2 + f(x) - 1)$$

Sequence: A192921
Score: 7.08261
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 1, a(1) = 2, a(2) = 2\}$$

Sequence: A192921
Score: 9.01423
Type of gen. func.: lgdogf

$$-\frac{-4 x^4 - 5 x^2 + 4 x - 2}{-4 x^5 + 8 x^4 + 9 x^3 - 6 x^2 - 2 x + 1}$$

Sequence: A192922
Score: 3.84298
Type of gen. func.: ogf

$(f(x) - 1)$

$$(f(x) x^4 + 3 f(x) x^3 - 2 f(x) x^2 - 3 x^3 - 2 f(x) x + x^2 + f(x) + 2 x - 1)$$

Sequence: A192922
Score: 6.70768
Type of gen. func.: lgdogf

$$-\frac{x (3 x^5 - 2 x^4 - 3 x^3 + 4 x^2 + 2 x - 2)}{(3 x^3 - x^2 - 2 x + 1) (x^4 + 3 x^3 - 2 x^2 - 2 x + 1)}$$

Sequence: A192922
Score: 6.83751
Type of gen. func.: ogf

$$\frac{3x^3 - x^2 - 2x + 1}{x^4 + 3x^3 - 2x^2 - 2x + 1}$$

Sequence: A192923
Score: 5.27329
Type of gen. func.: ogf

$$f(x)\,x^4 + 3\,f(x)\,x^3 - 2\,f(x)\,x^2 + 2x^3 - 2\,f(x)\,x + f(x) - x$$

Sequence: A192923
Score: 8.35614
Type of gen. func.: ogf

$$-\frac{x(2x^2 - 1)}{x^4 + 3x^3 - 2x^2 - 2x + 1}$$

Sequence: A192923
Score: 8.59923
Type of gen. func.: lgdogf

$$-\frac{4x^5 + 6x^4 - 4x^3 - 5x^2 + 2}{(2x^2 - 1)(x^4 + 3x^3 - 2x^2 - 2x + 1)}$$

Sequence: A192928
Score: 5.77377
Type of gen. func.: ogf

$$-\frac{(x + 1)(x^7 - x^6 + x^5 + x - 1)}{{}^{4}\qquad\qquad{}^{8}\quad{}^{2}}$$

$$(x + x - 1) (x + x - 1)$$

Sequence: A192932
Score: 6.26602
Type of gen. func.: ogf

$$-\frac{x^5 + 4 x^3 + 5 x^2 + 9 x - 9}{(x^3 - x - 1) (x^3 - x^2 + 2 x - 1)}$$

Sequence: A192937
Score: 2.83049
Type of gen. func.: ogf

$(387060504030201 f(x) + 295851215080100)$

$(100 f(x) x^3 - 201 f(x) x^2 + 102 f(x) x + 100 x^2 - f(x) - 201 x + 100)$

Sequence: A192937
Score: 3.33910
Type of gen. func.: ogf

$\{a(n + 3) - 102 a(n + 2) + 201 a(n + 1) - 100 a(n), a(0) = 100, a(1) = 9999,$

$a(2) = 999898\}$

Sequence: A192937
Score: 5.85486
Type of gen. func.: ogf

$$-\frac{100 x^2 - 201 x + 100}{(100 x - 1) (x - 1)^2}$$

Sequence: A192940
Score: 4.27353
Type of gen. func.: ogf

$\{(-4 n^2 - 18 n - 19) a(n + 1) + (4 n + 11) a(n + 2) - a(n + 3), a(0) = 0,$

$a(1) = 1, a(2) = 7\}$

Sequence: A192942
Score: 4.40921
Type of gen. func.: ogf

$$\{(-n^2 - 6 n - 4) a(n + 1) + (2 n + 7) a(n + 2) - a(n + 3), a(0) = 0, a(1) = 2, a(2) = 10\}$$

Sequence: A192945
Score: 11.2964
Type of gen. func.: ogf

$$-x - 2 + 2 f(x) + f(x)^2 - f(x)^3$$

Sequence: A192945
Score: 3.67633
Type of gen. func.: ogf

$$\{(27 n^2 - 3) a(n) + (68 n^2 + 102 n + 34) a(n + 1) + (-8 n^2 - 24 n - 16) a(n + 2), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A192950
Score: 4.35550
Type of gen. func.: ogf

$$\{(-n^2 - 6 n - 4) a(n + 1) + (2 n + 7) a(n + 2) - a(n + 3), a(0) = 0, a(1) = 1, a(2) = 5\}$$

Sequence: A192951
Score: 11.0489
Type of gen. func.: ogf

$$-\frac{x (2 x^2 + 1)}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A192951
Score: 14.7399
Type of gen. func.: lgdogf

$$-\frac{(2 x + 1) (2 x^{3} + 3 x - 3)}{(x - 1) (2 x^{2} + 1) (x^{2} + x - 1)}$$

Sequence: A192951
Score: 3.98989
Type of gen. func.: ogf

$$\{(3 n + 8) a(n + 1) + 3 a(n + 2) + (-6 n - 13) a(n + 3) + (3 n + 5) a(n + 4),$$

$$a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 9\}$$

Sequence: A192951
Score: 5.65496
Type of gen. func.: ogf

$$(46 f(x) - 99) (f(x) x^{4} - f(x) x^{3} - 2 f(x) x^{2} + 2 x^{3} + 3 f(x) x - f(x) + x)$$

Sequence: A192951
Score: 8.16115
Type of gen. func.: lgdogf

$$-\frac{-4 x^{4} - 2 x^{3} - 6 x^{2} + 3 x + 3}{-2 x^{5} + 3 x^{3} - 2 x^{2} + 2 x - 1}$$

Sequence: A192952
Score: 10.2597
Type of gen. func.: ogf

$$-\frac{x (3 x^{2} - x + 1)}{(x^{2} + x - 1) (x - 1)^{2}}$$

Sequence: A192952
Score: 14.4746
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^4 + 3 x^2 - 2 x - 1)}{(x - 1) (3 x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A192952
Score: 4.16087
Type of gen. func.: ogf

$$\{(3 n + 7) a(n + 1) + 3 a(n + 2) + (-6 n - 11) a(n + 3) + (3 n + 4) a(n + 4),$$

$$a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 7\}$$

Sequence: A192952
Score: 5.54782
Type of gen. func.: ogf

$$(24 f(x) - 43)$$

$$(f(x) x^4 - f(x) x^3 - 2 f(x) x^2 + 3 x^3 + 3 f(x) x - x^2 - f(x) + x)$$

Sequence: A192952
Score: 8.51086
Type of gen. func.: lgdogf

$$- \frac{-6 x^4 - 6 x^2 + 4 x + 2}{-3 x^5 + x^4 + 5 x^3 - 5 x^2 + 3 x - 1}$$

Sequence: A192953
Score: 10.0633
Type of gen. func.: ogf

$$- \frac{x (2 x^2 - x + 1)}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A192953
Score: 13.6579
Type of gen. func.: lgdogf

$$-\frac{4x^4 - x^3 + 5x^2 - 2x - 2}{(x-1)(2x^2 - x + 1)(x^2 + x - 1)}$$

Sequence: A192953
Score: 4.10403
Type of gen. func.: ogf

$$\{(2n+5)a(n+1) + 2a(n+2) + (-4n-8)a(n+3) + (2n+3)a(n+4),$$

$$a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 6\}$$

Sequence: A192953
Score: 5.28505
Type of gen. func.: ogf

$$-(72 f(x) - 71)$$

$$(f(x) x^4 - f(x) x^3 - 2 f(x) x^2 + 2 x^3 + 3 f(x) x - x^2 - f(x) + x)$$

Sequence: A192953
Score: 7.65231
Type of gen. func.: lgdogf

$$-\frac{-4x^4 + x^3 - 5x^2 + 2x + 2}{-2x^5 + x^4 + 3x^3 - 4x^2 + 3x - 1}$$

Sequence: A192954
Score: 11.0549
Type of gen. func.: lgdogf

$$-\frac{x^5 - 7x^4 + 5x^3 - 9x^2 + 5x + 1}{{}^{2}\qquad {}^{3}\quad {}^{2}}$$

$$(x - 1) (x + x - 1) (x - 4 x + 2 x - 1)$$

Sequence: A192954
Score: 3.96558
Type of gen. func.: ogf

$$\{(-2 n - 7) a(n + 1) - 2 a(n + 2) + (4 n + 12) a(n + 3) + (-2 n - 5) a(n + 4),$$

$$a(0) = 1, a(1) = 1, a(2) = 5, a(3) = 11\}$$

Sequence: A192954
Score: 5.11869
Type of gen. func.: ogf

$$(400 f(x) - 793)$$

$$(f(x) x^4 - f(x) x^3 - 2 f(x) x^2 - x^3 + 3 f(x) x + 4 x^2 - f(x) - 2 x + 1)$$

Sequence: A192954
Score: 9.37319
Type of gen. func.: ogf

$$\frac{x^3 - 4 x^2 + 2 x - 1}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A192955
Score: 11.6409
Type of gen. func.: lgdogf

$$- \frac{2 (x^5 - 5 x^4 + x^3 - 2 x^2 + x + 1)}{(x - 1) (x^2 + x - 1) (x^3 - 4 x^2 + 2 x - 1)}$$

Sequence: A192955
Score: 8.22924
Type of gen. func.: ogf

$$- \frac{x (x^3 - 4 x^2 + 2 x - 1)}{}$$

$$(x^2 + x - 1) (x - 1)^3$$

Sequence: A192956
Score: 11.1849
Type of gen. func.: lgdogf

$$- \frac{x (2 x^4 - 10 x^3 + 9 x^2 - 13 x + 8)}{(x - 1) (x^2 + x - 1) (2 x^3 - 6 x^2 + 3 x - 1)}$$

Sequence: A192956
Score: 4.16087
Type of gen. func.: ogf

$$\{(2 n + 7) a(n + 1) + 2 a(n + 2) + (-4 n - 12) a(n + 3) + (2 n + 5) a(n + 4),$$

$$a(0) = 1, a(1) = 0, a(2) = 4, a(3) = 9\}$$

Sequence: A192956
Score: 5.02655
Type of gen. func.: ogf

$$-(13696 f(x) - 35429)$$

$$(f(x) x^4 - f(x) x^3 - 2 f(x) x^2 - 2 x^3 + 3 f(x) x + 6 x^2 - f(x) - 3 x + 1)$$

Sequence: A192956
Score: 9.72670
Type of gen. func.: ogf

$$\frac{2 x^3 - 6 x^2 + 3 x - 1}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A192957
Score: 10.4084
Type of gen. func.: lgdogf

$$4 x^5 - 14 x^4 + 4 x^3 - 5 x^2 + 4 x + 1$$

$$-\frac{\qquad}{(x-1)\,(x^2+x-1)\,(2x^3-6x^2+3x-1)}$$

Sequence: A192957
Score: 8.18929
Type of gen. func.: ogf

$$-\frac{x\,(2x^3-6x^2+3x-1)}{(x^2+x-1)\,(x-1)^3}$$

Sequence: A192958
Score: 10.1124
Type of gen. func.: lgdogf

$$-\frac{3x^5-13x^4+13x^3-17x^2+11x-1}{(x-1)\,(x^2+x-1)\,(3x^3-8x^2+4x-1)}$$

Sequence: A192958
Score: 4.13788
Type of gen. func.: ogf

$$\{(-2n-7)\,a(n+1)-2\,a(n+2)+(4n+12)\,a(n+3)+(-2n-5)\,a(n+4),$$

$$a(0)=1,\ a(1)=-1,\ a(2)=3,\ a(3)=7\}$$

Sequence: A192958
Score: 5.31174
Type of gen. func.: ogf

$$(148\,f(x)-473)$$

$$(f(x)\,x^4-f(x)\,x^3-2\,f(x)\,x^2-3x^3+3\,f(x)\,x+8x^2-f(x)-4x+1)$$

Sequence: A192958
Score: 9.72670
Type of gen. func.: ogf

3   2

$$\frac{3 x - 8 x + 4 x - 1}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A192959
Score: 11.9104
Type of gen. func.: lgdogf

$$- \frac{6 x (x^4 - 3 x^3 + x^2 - x + 1)}{(x - 1) (x^2 + x - 1) (3 x^3 - 8 x^2 + 4 x - 1)}$$

Sequence: A192959
Score: 8.10939
Type of gen. func.: ogf

$$- \frac{x (3 x^3 - 8 x^2 + 4 x - 1)}{(x^2 + x - 1) (x - 1)^3}$$

Sequence: A192960
Score: 11.2130
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^2 - x + 1)}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A192960
Score: 12.5373
Type of gen. func.: lgdogf

$$- \frac{x^5 + x^4 + 3 x^3 + x^2 + x - 3}{(x - 1) (x + 1) (x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A192960
Score: 4.00465

Type of gen. func.: ogf

$$\{(-2 n - 7) a(n + 1) - 2 a(n + 2) + (4 n + 12) a(n + 3) + (-2 n - 5) a(n + 4),$$
$$a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 15\}$$

Sequence: A192960
Score: 5.60651
Type of gen. func.: ogf

$$-(4 f(x) - 17) (f(x) x^4 - f(x) x^3 - 2 f(x) x^2 + x^3 + 3 f(x) x - f(x) + 1)$$

Sequence: A192960
Score: 7.59216
Type of gen. func.: lgdogf

$$-\frac{-x^5 - x^4 - 3 x^3 - x^2 - x + 3}{-x^6 + 2 x^4 - 2 x^3 + 2 x - 1}$$

Sequence: A192961
Score: 10.2764
Type of gen. func.: ogf

$$\frac{x (x + 1) (x^2 - x + 1)}{(x^2 + x - 1) (x - 1)^3}$$

Sequence: A192961
Score: 12.9739
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 + x^4 + x^3 + x^2 + x - 2)}{(x - 1) (x + 1) (x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A192961
Score: 7.81436
Type of gen. func.: lgdogf

$$-\frac{-2x^5-2x^4-2x^3-2x^2-2x+4}{-x^6+2x^4-2x^3+2x-1}$$

Sequence: A192962
Score: 11.5262
Type of gen. func.: lgdogf

$$-\frac{x^5-5x^4+3x^3-9x^2+4x+2}{(x-1)(x^2+x-1)(x^3-3x^2+x-1)}$$

Sequence: A192962
Score: 4.02678
Type of gen. func.: ogf

$$\{(n+4)a(n+1)+a(n+2)+(-2n-7)a(n+3)+(n+3)a(n+4),\ a(0)=1,$$
$$a(1)=2,\ a(2)=7,\ a(3)=15\}$$

Sequence: A192962
Score: 4.95814
Type of gen. func.: ogf

$$-(1773 f(x)-4495)$$
$$(f(x)x^4-f(x)x^3-2f(x)x^2-x^3+3f(x)x+3x^2-f(x)-x+1)$$

Sequence: A192962
Score: 9.46555
Type of gen. func.: ogf

$$\frac{x^3-3x^2+x-1}{(x^2+x-1)(x-1)^2}$$

Sequence: A192963
Score: 10.9097

Type of gen. func.: lgdogf

$$-\frac{(2x+1)(x^4-4x^3+2x^2-4x+3)}{(x-1)(x^2+x-1)(x^3-3x^2+x-1)}$$

Sequence: A192963
Score: 3.93777
Type of gen. func.: ogf

{(-n - 4) a(n + 1) - 2 a(n + 2) + (2 n + 6) a(n + 3) + (-n - 2) a(n + 4),

a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 10}

Sequence: A192963
Score: 7.96402
Type of gen. func.: ogf

$$-\frac{x(x^3-3x^2+x-1)}{(x^2+x-1)(x-1)^3}$$

Sequence: A192964
Score: 13.0543
Type of gen. func.: lgdogf

$$-\frac{x(x^2+1)(x^2-9x+6)}{(x-1)(x^2+x-1)(x^3-5x^2+3x-1)}$$

Sequence: A192964
Score: 4.14407
Type of gen. func.: ogf

{(n + 3) a(n + 1) + a(n + 2) + (-2 n - 5) a(n + 3) + (n + 2) a(n + 4), a(0) = 1,

a(1) = 0, a(2) = 3, a(3) = 7}

Sequence: A192964
Score: 5.11578

Type of gen. func.: ogf

$$-(223 f(x) - 393)$$

$$(f(x) x^4 - f(x) x^3 - 2 f(x) x^2 - x^3 + 3 f(x) x + 5 x^2 - f(x) - 3 x + 1)$$

Sequence: A192964
Score: 9.63362
Type of gen. func.: ogf

$$\frac{x^3 - 5 x^2 + 3 x - 1}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A192965
Score: 10.6130
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - 13 x^4 + 4 x^3 - 2 x^2 + 2 x + 1}{(x - 1) (x^2 + x - 1) (x^3 - 5 x^2 + 3 x - 1)}$$

Sequence: A192965
Score: 4.03204
Type of gen. func.: ogf

$\{(-n - 3) a(n + 1) - 2 a(n + 2) + (2 n + 4) a(n + 3) + (-n - 1) a(n + 4),$

$a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 4\}$

Sequence: A192965
Score: 8.10939
Type of gen. func.: ogf

$$- \frac{x (x^3 - 5 x^2 + 3 x - 1)}{(x^2 + x - 1) (x - 1)^3}$$

Sequence: A192966

Score: 11.2935
Type of gen. func.: lgdogf

$$-\frac{(2x+1)(x^4-4x^3+4x^2-4x+2)}{(x-1)(x^2+x-1)(x^3-3x^2+2x-1)}$$

Sequence: A192966
Score: 4.22415
Type of gen. func.: ogf

{(-n - 4) a(n + 1) - 2 a(n + 2) + (2 n + 6) a(n + 3) + (-n - 2) a(n + 4),

a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 6}

Sequence: A192966
Score: 7.56123
Type of gen. func.: lgdogf

$$-\frac{-2x^5+7x^4-4x^3+4x^2-2}{-x^6+3x^5-6x^3+7x^2-4x+1}$$

Sequence: A192966
Score: 8.49576
Type of gen. func.: ogf

$$-\frac{x(x^3-3x^2+2x-1)}{(x^2+x-1)(x-1)^3}$$

Sequence: A192967
Score: 10.2514
Type of gen. func.: ogf

$$\frac{x^3-4x^2+3x-1}{(x^2+x-1)(x-1)^2}$$

Sequence: A192967
Score: 12.9741
Type of gen. func.: lgdogf

$$-\frac{x\,(x^4 - 7\,x^3 + 8\,x^2 - 8\,x + 4)}{(x - 1)\,(x^2 + x - 1)\,(x^3 - 4\,x^2 + 3\,x - 1)}$$

Sequence: A192967
Score: 4.40982
Type of gen. func.: ogf

$$\{(-n - 3)\,a(n + 1) - a(n + 2) + (2\,n + 5)\,a(n + 3) + (-n - 2)\,a(n + 4),$$

$$a(0) = 1,\ a(1) = 0,\ a(2) = 2,\ a(3) = 4\}$$

Sequence: A192967
Score: 5.59827
Type of gen. func.: ogf

$$-(f(x) - 1)$$

$$(f(x)\,x^4 - f(x)\,x^3 - 2\,f(x)\,x^2 - x^3 + 3\,f(x)\,x + 4\,x^2 - f(x) - 3\,x + 1)$$

Sequence: A192968
Score: 11.4331
Type of gen. func.: lgdogf

$$-\frac{2\,x^5 - 10\,x^4 + 6\,x^3 - 2\,x^2 + 1}{(x - 1)\,(x^2 + x - 1)\,(x^3 - 4\,x^2 + 3\,x - 1)}$$

Sequence: A192968
Score: 4.08401
Type of gen. func.: ogf

$$\{(-n - 3)\,a(n + 1) - 2\,a(n + 2) + (2\,n + 4)\,a(n + 3) + (-n - 1)\,a(n + 4),$$

$$a(0) = 0,\ a(1) = 1,\ a(2) = 1,\ a(3) = 3\}$$

Sequence: A192968
Score: 8.21391
Type of gen. func.: ogf

$$-\frac{x\,(x^3 - 4\,x^2 + 3\,x - 1)}{(x^2 + x - 1)\,(x - 1)^3}$$

Sequence: A192969
Score: 11.9065
Type of gen. func.: lgdogf

$$-\frac{x^5 - 3\,x^4 + 4\,x^3 - 8\,x^2 + 2\,x + 2}{(x - 1)\,(x^2 + x - 1)\,(x^3 - 2\,x^2 + x - 1)}$$

Sequence: A192969
Score: 4.15767
Type of gen. func.: ogf

$\{(-n - 5)\ a(n + 1) - a(n + 2) + (2\ n + 9)\ a(n + 3) + (-n - 4)\ a(n + 4),$

$a(0) = 1,\ a(1) = 2,\ a(2) = 6,\ a(3) = 12\}$

Sequence: A192969
Score: 5.33716
Type of gen. func.: ogf

$(211\ f(x) - 515)$

$(f(x)\ x^4 - f(x)\ x^3 - 2\ f(x)\ x^2 - x^3 + 3\ f(x)\ x + 2\ x^2 - f(x) - x + 1)$

Sequence: A192969
Score: 9.77323
Type of gen. func.: ogf

$$\frac{x^3 - 2\,x^2 + x - 1}{(x^2 + x - 1)\,(x - 1)^2}$$

Sequence: A192970
Score: 11.9104
Type of gen. func.: lgdogf

$$-\frac{2x^5-4x^4+2x^3-6x^2+3}{(x-1)(x^2+x-1)(x^3-2x^2+x-1)}$$

Sequence: A192970
Score: 8.14934
Type of gen. func.: ogf

$$-\frac{x(x^3-2x^2+x-1)}{(x^2+x-1)(x-1)^3}$$

Sequence: A192971
Score: 11.4462
Type of gen. func.: lgdogf

$$-\frac{x^5-9x^4+x^3-11x^2+8x+2}{(x-1)(x^2+x-1)(x^3-5x^2+x-1)}$$

Sequence: A192971
Score: 3.91387
Type of gen. func.: ogf

$$\{(2n+7)a(n+1)+2a(n+2)+(-4n-12)a(n+3)+(2n+5)a(n+4),$$

$$a(0)=1,\ a(1)=2,\ a(2)=9,\ a(3)=21\}$$

Sequence: A192971
Score: 4.98129
Type of gen. func.: ogf

$$(2536 f(x) - 9815)$$

$$(f(x)x^4 - f(x)x^3 - 2f(x)x^2 - x^3 + 3f(x)x + 5x^2 - f(x) - x + 1)$$

Sequence: A192971
Score: 9.25097
Type of gen. func.: ogf

$$\frac{x^3 - 5x^2 + x - 1}{(x^2 + x - 1)(x - 1)^2}$$

Sequence: A192972
Score: 11.0673
Type of gen. func.: lgdogf

$$-\frac{2x^5 - 13x^4 - 4x^3 - 6x^2 + 6x + 3}{(x - 1)(x^2 + x - 1)(x^3 - 5x^2 + x - 1)}$$

Sequence: A192972
Score: 8.20176
Type of gen. func.: ogf

$$-\frac{x(x^3 - 5x^2 + x - 1)}{(x^2 + x - 1)(x - 1)^3}$$

Sequence: A192973
Score: 11.0131
Type of gen. func.: ogf

$$-\frac{3x^2 + 1}{(x^2 + x - 1)(x - 1)^2}$$

Sequence: A192973
Score: 13.2405
Type of gen. func.: lgdogf

$$-\frac{6x^4 + 3x^3 + 7x^2 - 5x - 3}{\quad{}^{2} \qquad {}^{2}}$$

$$(x - 1) (3 x + 1) (x + x - 1)$$

Sequence: A192973
Score: 3.91175
Type of gen. func.: ogf

$$\{(-2 n - 7) a(n + 1) - 2 a(n + 2) + (4 n + 12) a(n + 3) + (-2 n - 5) a(n + 4),$$

$$a(0) = 1, a(1) = 3, a(2) = 10, a(3) = 23\}$$

Sequence: A192973
Score: 5.46451
Type of gen. func.: ogf

$$(1768 f(x) - 7703) (f(x) x^4 - f(x) x^3 - 2 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) + 1)$$

Sequence: A192973
Score: 8.13467
Type of gen. func.: lgdogf

$$- \frac{-6 x^4 - 3 x^3 - 7 x^2 + 5 x + 3}{-3 x^5 + 5 x^3 - 3 x^2 + 2 x - 1}$$

Sequence: A192974
Score: 13.5732
Type of gen. func.: lgdogf

$$- \frac{9 x^4 + 6 x^3 + 5 x^2 - 4 x - 4}{(x - 1) (3 x^2 + 1) (x^2 + x - 1)}$$

Sequence: A192974
Score: 8.29497
Type of gen. func.: lgdogf

$$- \frac{-9 x^4 - 6 x^3 - 5 x^2 + 4 x + 4}{-3 x^5 + 5 x^3 - 3 x^2 + 2 x - 1}$$

Sequence: A192974
Score: 9.99941
Type of gen. func.: ogf

$$\frac{x (3 x^{2} + 1)}{(x^{2} + x - 1) (x - 1)^{3}}$$

Sequence: A192975
Score: 3.91387
Type of gen. func.: ogf

$$\{(2 n + 7) a(n + 1) + 2 a(n + 2) + (-4 n - 12) a(n + 3) + (2 n + 5) a(n + 4),$$

$$a(0) = 1, a(1) = 1, a(2) = 8, a(3) = 19\}$$

Sequence: A192975
Score: 4.9467
Type of gen. func.: ogf

$$(9848 f(x) - 43349)$$

$$(f(x) x^{4} - f(x) x^{3} - 2 f(x) x^{2} - 2 x^{3} + 3 f(x) x + 7 x^{2} - f(x) - 2 x + 1)$$

Sequence: A192975
Score: 9.25097
Type of gen. func.: ogf

$$\frac{2 x^{3} - 7 x^{2} + 2 x - 1}{(x^{2} + x - 1) (x - 1)^{2}}$$

Sequence: A192975
Score: 9.83407
Type of gen. func.: lgdogf

$$- \frac{2 x^{5} - 12 x^{4} + 5 x^{3} - 15 x^{2} + 11 x + 1}{{}^{2} \qquad {}^{3} \quad {}^{2}}$$

$$(x - 1) (x + x - 1) (2 x - 7 x + 2 x - 1)$$

Sequence: A192976
Score: 10.3747
Type of gen. func.: lgdogf

$$-\frac{4 x^5 - 17 x^4 - 2 x^3 - 7 x^2 + 8 x + 2}{(x - 1) (x^2 + x - 1) (2 x^3 - 7 x^2 + 2 x - 1)}$$

Sequence: A192976
Score: 8.16213
Type of gen. func.: ogf

$$-\frac{x (2 x^3 - 7 x^2 + 2 x - 1)}{(x^2 + x - 1) (x - 1)^3}$$

Sequence: A192978
Score: 14.9308
Type of gen. func.: lgdogf

$$-\frac{3 x^4 + 2 x^3 + 5 x^2 - 4}{(x - 1) (x^2 + 1) (x^2 + x - 1)}$$

Sequence: A192978
Score: 8.48006
Type of gen. func.: lgdogf

$$-\frac{-3 x^4 - 2 x^3 - 5 x^2 + 4}{-x^5 + x^3 - x^2 + 2 x - 1}$$

Sequence: A192978
Score: 9.75788
Type of gen. func.: ogf

$$\frac{x\,(x^2+1)}{(x^2+x-1)\,(x-1)^3}$$

Sequence: A192979
Score: 10.8544
Type of gen. func.: ogf

$$-\frac{3\,x^2-2\,x+1}{(x^2+x-1)\,(x-1)^2}$$

Sequence: A192979
Score: 14.1273
Type of gen. func.: lgdogf

$$-\frac{(x^2+1)\,(6\,x^2-3\,x-1)}{(x-1)\,(3\,x^2-2\,x+1)\,(x^2+x-1)}$$

Sequence: A192979
Score: 4.16087
Type of gen. func.: ogf

{(n + 3) a(n + 1) + a(n + 2) + (-2 n - 5) a(n + 3) + (n + 2) a(n + 4), a(0) = 1,

a(1) = 1, a(2) = 4, a(3) = 9}

Sequence: A192979
Score: 5.63124
Type of gen. func.: ogf

(351 f(x) - 428)

$$(f(x)\,x^4 - f(x)\,x^3 - 2\,f(x)\,x^2 + 3\,f(x)\,x + 3\,x^2 - f(x) - 2\,x + 1)$$

Sequence: A192979
Score: 7.80162
Type of gen. func.: lgdogf

$$-\frac{-6x^4+3x^3-5x^2+3x+1}{-3x^5+2x^4+5x^3-7x^2+4x-1}$$

Sequence: A192980
Score: 14.0123
Type of gen. func.: lgdogf

$$-\frac{9x^4-2x^3+x^2-2}{(x-1)(3x^2-2x+1)(x^2+x-1)}$$

Sequence: A192980
Score: 7.88360
Type of gen. func.: lgdogf

$$-\frac{-9x^4+2x^3-x^2+2}{-3x^5+2x^4+5x^3-7x^2+4x-1}$$

Sequence: A192980
Score: 8.95421
Type of gen. func.: ogf

$$\frac{x(3x^2-2x+1)}{(x^2+x-1)(x-1)^3}$$

Sequence: A192981
Score: 10.6467
Type of gen. func.: ogf

$$-\frac{4x^2-3x+1}{(x^2+x-1)(x-1)^2}$$

Sequence: A192981
Score: 13.6579
Type of gen. func.: lgdogf

$$-\frac{x\,(8\,x^{3}-5\,x^{2}+5\,x-4)}{(x-1)\,(4\,x^{2}-3\,x+1)\,(x^{2}+x-1)}$$

Sequence: A192981
Score: 4.10403
Type of gen. func.: ogf

$\{(2\,n+5)\,a(n+1)+2\,a(n+2)+(-4\,n-8)\,a(n+3)+(2\,n+3)\,a(n+4),$

$a(0)=1,\ a(1)=0,\ a(2)=2,\ a(3)=5\}$

Sequence: A192981
Score: 5.28505
Type of gen. func.: ogf

$-(1016\,f(x)-1339)$

$(f(x)\,x^{4}-f(x)\,x^{3}-2\,f(x)\,x^{2}+3\,f(x)\,x+4\,x^{2}-f(x)-3\,x+1)$

Sequence: A192981
Score: 7.89916
Type of gen. func.: lgdogf

$$-\frac{8\,x^{4}-5\,x^{3}+5\,x^{2}-4\,x}{4\,x^{5}-3\,x^{4}-7\,x^{3}+10\,x^{2}-5\,x+1}$$

Sequence: A192982
Score: 12.7277
Type of gen. func.: lgdogf

$$-\frac{(2\,x+1)\,(6\,x^{3}-5\,x^{2}+2\,x-1)}{(x-1)\,(4\,x^{2}-3\,x+1)\,(x^{2}+x-1)}$$

Sequence: A192982
Score: 7.96762
Type of gen. func.: lgdogf

$$-\frac{-12 x^4 + 4 x^3 + x^2 + 1}{-4 x^5 + 3 x^4 + 7 x^3 - 10 x^2 + 5 x - 1}$$

Sequence: A192982
Score: 9.24637
Type of gen. func.: ogf

$$\frac{x (4 x^2 - 3 x + 1)}{(x^2 + x - 1) (x - 1)^3}$$

Sequence: A192989
Score: 21.5051
Type of gen. func.: lgdegf]

$$3 (x + 1)^2$$

Sequence: A192989
Score: 3.40193
Type of gen. func.: ogf

$$\{(-3 n^2 - 15 n - 18) a(n + 1) + (-6 n - 18) a(n + 2) + a(n + 4) - 3 a(n + 3),$$

$$a(0) = 1, a(1) = 3, a(2) = 15, a(3) = 87\}$$

Sequence: A192989
Score: 65.5732
Type of gen. func.: lgdegf]

$$3 (x + 1)^2$$

Sequence: A193004
Score: 7.66256

Type of gen. func.: ogf

$$\frac{x^4 - 3x^3 + 10x^2 - 3x + 1}{(x^2 + x - 1)(x - 1)^3}$$

Sequence: A193004
Score: 8.82869
Type of gen. func.: lgdogf

$$-\frac{x^6 - 4x^5 + 28x^4 - 2x^3 + 8x^2 - 12x - 1}{(x - 1)(x^2 + x - 1)(x^4 - 3x^3 + 10x^2 - 3x + 1)}$$

Sequence: A193005
Score: 6.92705
Type of gen. func.: ogf

$$-\frac{x(x^4 - 3x^3 + 10x^2 - 3x + 1)}{(x^2 + x - 1)(x - 1)^4}$$

Sequence: A193005
Score: 8.93553
Type of gen. func.: lgdogf

$$-\frac{2(x^6 - 3x^5 + 17x^4 + 4x^3 - 2x^2 - 4x - 1)}{(x - 1)(x^2 + x - 1)(x^4 - 3x^3 + 10x^2 - 3x + 1)}$$

Sequence: A193006
Score: 7.62537
Type of gen. func.: ogf

$$\frac{2x^4 - 6x^3 + 13x^2 - 4x + 1}{(x^2 + x - 1)(x - 1)^3}$$

Sequence: A193006
Score: 8.61335
Type of gen. func.: lgdogf

$$-\frac{x (2 x^5 - 8 x^4 + 35 x^3 - 10 x^2 + 15 x - 16)}{(x - 1) (x^2 + x - 1) (2 x^4 - 6 x^3 + 13 x^2 - 4 x + 1)}$$

Sequence: A193007
Score: 6.89407
Type of gen. func.: ogf

$$-\frac{x (2 x^4 - 6 x^3 + 13 x^2 - 4 x + 1)}{(x^2 + x - 1) (x - 1)^4}$$

Sequence: A193007
Score: 8.67809
Type of gen. func.: lgdogf

$$-\frac{4 x^6 - 12 x^5 + 40 x^4 + 5 x^3 - x^2 - 11 x - 1}{(x - 1) (x^2 + x - 1) (2 x^4 - 6 x^3 + 13 x^2 - 4 x + 1)}$$

Sequence: A193008
Score: 12.6748
Type of gen. func.: lgdogf

$$-\frac{21 x^4 + 6 x^3 + x^2 - 8 x - 2}{(x - 1) (7 x^2 - 2 x + 1) (x^2 + x - 1)}$$

Sequence: A193008
Score: 7.31089
Type of gen. func.: lgdogf

```
                    4      3    2
             -21 x  - 6 x  - x  + 8 x + 2
         - ---------------------------------------
              5      4       3       2
```

$-7 x + 2 x + 13 x - 11 x + 4 x - 1$

Sequence: A193008
Score: 9.39971
Type of gen. func.: ogf

$$\frac{7 x^2 - 2 x + 1}{(x^2 + x - 1) (x - 1)^3}$$

Sequence: A193041
Score: 11.5720
Type of gen. func.: lgdogf

$$- \frac{28 x^4 + 11 x^3 - 7 x^2 - 5 x - 3}{(x - 1) (7 x^2 - 2 x + 1) (x^2 + x - 1)}$$

Sequence: A193041
Score: 7.78818
Type of gen. func.: ogf

$$- \frac{x (7 x^2 - 2 x + 1)}{(x^2 + x - 1) (x - 1)^4}$$

Sequence: A193044
Score: 3.97246
Type of gen. func.: ogf

$\{(n + 4) a(n + 1) + 2 a(n + 2) + (-2 n - 6) a(n + 3) + (n + 2) a(n + 4),$

$a(0) = 1, a(1) = 0, a(2) = 2, a(3) = 5\}$

Sequence: A193044
Score: 7.64591
Type of gen. func.: ogf

$$x^4 - 4 x^3 + 7 x^2 - 4 x + 1$$

$$\overline{(x^2 + x - 1) (x - 1)^3}$$

Sequence: A193044
Score: 9.33872
Type of gen. func.: lgdogf

$$-\frac{x (x^5 - 6 x^4 + 17 x^3 - 14 x^2 + 9 x - 4)}{(x - 1) (x^2 + x - 1) (x^4 - 4 x^3 + 7 x^2 - 4 x + 1)}$$

Sequence: A193045
Score: 4.07177
Type of gen. func.: ogf

{(n + 4) a(n + 1) + 3 a(n + 2) + (-2 n - 5) a(n + 3) + (n + 1) a(n + 4),

a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 3}

Sequence: A193045
Score: 6.94140
Type of gen. func.: ogf

$$-\frac{x (x^4 - 4 x^3 + 7 x^2 - 4 x + 1)}{(x^2 + x - 1) (x - 1)^4}$$

Sequence: A193045
Score: 9.44975
Type of gen. func.: lgdogf

$$-\frac{2 x^6 - 9 x^5 + 19 x^4 - 7 x^3 - x^2 + x - 1}{(x - 1) (x^2 + x - 1) (x^4 - 4 x^3 + 7 x^2 - 4 x + 1)}$$

Sequence: A193046
Score: 6.24584
Type of gen. func.: ogf

$$\frac{x^5 - 6 x^4 - x^3 - 21 x^2 + 4 x - 1}{(x^2 + x - 1) (x - 1)^4}$$

Sequence: A193046
Score: 7.24126
Type of gen. func.: lgdogf

$$- \frac{x^7 - 9 x^6 - 16 x^5 - 110 x^4 - 20 x^3 + 30 x^2 + 27 x + 1}{(x - 1) (x^2 + x - 1) (x^5 - 6 x^4 - x^3 - 21 x^2 + 4 x - 1)}$$

Sequence: A193047
Score: 5.54066
Type of gen. func.: ogf

$$- \frac{x (x^5 - 6 x^4 - x^3 - 21 x^2 + 4 x - 1)}{(x^2 + x - 1) (x - 1)^5}$$

Sequence: A193047
Score: 7.20041
Type of gen. func.: lgdogf

$$- \frac{2 (x^7 - 7 x^6 - 12 x^5 - 63 x^4 - 18 x^3 + 27 x^2 + 11 x + 1)}{(x - 1) (x^2 + x - 1) (x^5 - 6 x^4 - x^3 - 21 x^2 + 4 x - 1)}$$

Sequence: A193048
Score: 4.03857
Type of gen. func.: ogf

$\{(-n - 5) a(n + 1) - 4 a(n + 2) + (2 n + 6) a(n + 3) + (-n - 1) a(n + 4),$

$a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 2\}$

Sequence: A193048
Score: 5.56080
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1)(x^4 - 5x^3 + 9x^2 - 5x + 1)}{(x^2 + x - 1)(x - 1)^5}$$

Sequence: A193049
Score: 4.02737
Type of gen. func.: ogf

$\{(n + 5) a(n + 1) + 5 a(n + 2) + (-2 n - 5) a(n + 3) + a(n + 4) n, a(0) = 0,$

$a(1) = 1, a(2) = 1, a(3) = 2, a(4) = 4\}$

Sequence: A193049
Score: 5.15391
Type of gen. func.: ogf

$$- \frac{x (x^2 - x + 1)(x^4 - 5x^3 + 9x^2 - 5x + 1)}{(x^2 + x - 1)(x - 1)^6}$$

Sequence: A193052
Score: 4.47872
Type of gen. func.: ogf

$(157 f(x) + 3013)$

$(60 f(x) x^3 - 47 f(x) x^2 + 12 f(x) x - 23 x^2 - f(x) + 10 x - 1)$

Sequence: A193052
Score: 4.75373
Type of gen. func.: ogf

$\{-a(n + 3) + 12 a(n + 2) - 47 a(n + 1) + 60 a(n), a(0) = -1, a(1) = -2,$

$a(2) = 0\}$

Sequence: A193052
Score: 7.18507
Type of gen. func.: lgdogf

$$-\frac{2\,(690\,x^4 - 600\,x^3 + 187\,x^2 - 24\,x + 1)}{(4\,x - 1)\,(3\,x - 1)\,(5\,x - 1)\,(23\,x^2 - 10\,x + 1)}$$

Sequence: A193052
Score: 8.21098
Type of gen. func.: ogf

$$\frac{23\,x^2 - 10\,x + 1}{(4\,x - 1)\,(3\,x - 1)\,(5\,x - 1)}$$

Sequence: A193053
Score: 13.9280
Type of gen. func.: lgdogf

$$-\frac{2\,x^4 - 8\,x^3 - 16\,x^2 - 15\,x - 5}{(x - 1)\,(x + 1)\,(x^3 - 3\,x^2 - 4\,x - 1)}$$

Sequence: A193053
Score: 8.54571
Type of gen. func.: lgdogf

$$-\frac{-2\,x^4 + 8\,x^3 + 16\,x^2 + 15\,x + 5}{-x^5 + 3\,x^4 + 5\,x^3 - 2\,x^2 - 4\,x - 1}$$

Sequence: A193053
Score: 9.85271
Type of gen. func.: ogf

$$\frac{x^3 - 3\,x^2 - 4\,x - 1}{(x + 1)^2\,(x - 1)^3}$$

Sequence: A193068

Score: 11.3301
Type of gen. func.: ogf

$$\frac{2 (x^2 - 3 x + 6)}{(x - 1)^4}$$

Sequence: A193068
Score: 12.2017
Type of gen. func.: lgdogf

$$-\frac{-2 x^2 + 7 x - 21}{-x^3 + 4 x^2 - 9 x + 6}$$

Sequence: A193068
Score: 23.5865
Type of gen. func.: lgdogf

$$-\frac{2 x^2 - 7 x + 21}{(x - 1) (x^2 - 3 x + 6)}$$

Sequence: A193068
Score: 3.88779
Type of gen. func.: ogf

{(6 n + 24) a(n + 4) + (-48 - 9 n) a(n + 3) + (15 + 4 n) a(n + 2)

+ (-n - 3) a(n + 1), a(0) = 12, a(1) = 42, a(2) = 98, a(3) = 188}

Sequence: A193068
Score: 5.62489
Type of gen. func.: ogf

(284800 f(x) + 1738337)

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 2 x^2 + f(x) + 6 x - 12)$$

Sequence: A193090
Score: 8.03620
Type of gen. func.: ogf

$$-\frac{9x^8+2x^7+7x^6+6x^5+8x^4+4x^3+3x^2+5x+1}{(x-1)(x^2+x+1)(x^6+x^3+1)}$$

Sequence: A193127
Score: 6.07468
Type of gen. func.: ogf

$$\frac{2(x^4+2x^3-16x^2+2x+1)}{(x-1)^2(x^2-7x+1)^2}$$

Sequence: A193127
Score: 7.48933
Type of gen. func.: lgdogf

$$-\frac{2(x^6+3x^5-48x^4+127x^3-18x^2-24x+9)}{(x-1)(x^2-7x+1)(x^4+2x^3-16x^2+2x+1)}$$

Sequence: A193132
Score: 17.2290
Type of gen. func.: ogf

$$\frac{12}{(16x-1)^2}$$

Sequence: A193132
Score: 21.2491
Type of gen. func.: lgdogf

$$\frac{32}{-16x+1}$$

Sequence: A193132
Score: 48.1646
Type of gen. func.: lgdogf

$$-\frac{32}{16 x - 1}$$

Sequence: A193132
Score: 7.24400
Type of gen. func.: ogf

$$\{-a(n + 2) + 32 a(n + 1) - 256 a(n), a(0) = 12, a(1) = 384\}$$

Sequence: A193132
Score: 7.32728
Type of gen. func.: ogf

$$(5 f(x) + 132) (256 f(x) x^2 - 32 f(x) x + f(x) - 12)$$

Sequence: A193146
Score: 11.6819
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (x + 1) (x^4 + x - 1)}$$

Sequence: A193146
Score: 12.3365
Type of gen. func.: lgdogf

$$-\frac{6 x^5 - 4 x^3 + 3 x^2 - 2 x - 1}{(x - 1) (x + 1) (x^4 + x - 1)}$$

Sequence: A193147
Score: 11.9292
Type of gen. func.: lgdogf

$$-\frac{5x^4+6x^2+1}{x^5+2x^3+x-1}$$

Sequence: A193147
Score: 18.1053
Type of gen. func.: lgdogf

$$-\frac{(5x^2+1)(x^2+1)}{(x^2+x+1)(x^3-x^2+2x-1)}$$

Sequence: A193147
Score: 19.7850
Type of gen. func.: ogf

$$-\frac{1}{(x^2+x+1)(x^3-x^2+2x-1)}$$

Sequence: A193215
Score: 6.48375
Type of gen. func.: ogf

$$f(x)^2 x^4 - 3 f(x)^2 x^2 + 2 f(x) x^3 + 2 f(x)^2 x + f(x) x^2 - 2 f(x) x + x^2 - f(x)$$

$$+ 2 x + 1$$

Sequence: A193218
Score: 10.2221
Type of gen. func.: ogf

$$\frac{(x+1)(x^2+16x+1)}{(x-1)^4}$$

Sequence: A193218
Score: 10.4876
Type of gen. func.: lgdogf

$$-\frac{x^3+37x^2+85x+21}{x^4+16x^3-16x-1}$$

Sequence: A193218
Score: 17.2390
Type of gen. func.: lgdogf

$$-\frac{x^3+37x^2+85x+21}{(x-1)(x+1)(x^2+16x+1)}$$

Sequence: A193218
Score: 4.38883
Type of gen. func.: ogf

$$\{(-7n^2-32n-36)\,a(n+1)+(14n^2+70n+147)\,a(n+2)$$

$$+(-7n^2-38n-51)\,a(n+3),\ a(0)=1,\ a(1)=21,\ a(2)=95\}$$

Sequence: A193218
Score: 5.41976
Type of gen. func.: ogf

$$(85104\,f(x)+1148807)$$

$$(f(x)\,x^4-4\,f(x)\,x^3+6\,f(x)\,x^2-x^3-4\,f(x)\,x-17x^2+f(x)-17x-1)$$

Sequence: A193228
Score: 10.3300
Type of gen. func.: ogf

$$\frac{(x+1)(x^2+34x+1)}{(x-1)^4}$$

Sequence: A193228
Score: 10.4624
Type of gen. func.: lgdogf

$$-\frac{x^3 + 73 x^2 + 175 x + 39}{x^4 + 34 x^3 - 34 x - 1}$$

Sequence: A193228
Score: 17.0558
Type of gen. func.: lgdogf

$$-\frac{x^3 + 73 x^2 + 175 x + 39}{(x - 1) (x + 1) (x^2 + 34 x + 1)}$$

Sequence: A193228
Score: 4.31782
Type of gen. func.: ogf

$$\{(-16 n^2 - 77 n - 90) a(n + 1) + (32 n^2 + 160 n + 309) a(n + 2)$$

$$+ (-16 n^2 - 83 n - 105) a(n + 3), a(0) = 1, a(1) = 39, a(2) = 185\}$$

Sequence: A193228
Score: 5.55148
Type of gen. func.: ogf

$$(5373 f(x) + 153263)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 35 x^2 + f(x) - 35 x - 1)$$

Sequence: A193248
Score: 10.0360
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 88 x + 1)}{(x - 1)^4}$$

Sequence: A193248
Score: 10.0360
Type of gen. func.: lgdogf

$$-\frac{x^3 + 181 x^2 + 445 x + 93}{x^4 + 88 x^3 - 88 x - 1}$$

Sequence: A193248
Score: 16.2213
Type of gen. func.: lgdogf

$$-\frac{x^3 + 181 x^2 + 445 x + 93}{(x - 1) (x + 1) (x^2 + 88 x + 1)}$$

Sequence: A193248
Score: 4.12939
Type of gen. func.: ogf

$$\{(43 n^2 + 212 n + 252) a(n + 1) + (-86 n^2 - 430 n - 795) a(n + 2)$$

$$+ (43 n^2 + 218 n + 267) a(n + 3), a(0) = 1, a(1) = 93, a(2) = 455\}$$

Sequence: A193248
Score: 5.32109
Type of gen. func.: ogf

$$(28080 f(x) + 2068591)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 89 x^2 + f(x) - 89 x - 1)$$

Sequence: A193249
Score: 15.5160
Type of gen. func.: lgdogf

$$-\frac{x^3 + 301 x^2 + 745 x + 153}{\qquad\qquad{}^{2}}$$

$$(x - 1) (x + 1) (x + 148 x + 1)$$

Sequence: A193249
Score: 4.05079
Type of gen. func.: ogf

$$\{(73 n^{2} + 362 n + 432) a(n + 1) + (-146 n^{2} - 730 n - 1335) a(n + 2)$$

$$+ (73 n^{2} + 368 n + 447) a(n + 3), a(0) = 1, a(1) = 153, a(2) = 755\}$$

Sequence: A193249
Score: 5.09616
Type of gen. func.: ogf

$$(6015600 f(x) + 744975737) ($$

$$f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - x^{3} - 4 f(x) x - 149 x^{2} + f(x) - 149 x - 1$$

$$)$$

Sequence: A193249
Score: 9.63299
Type of gen. func.: lgdogf

$$- \frac{x^{3} + 301 x^{2} + 745 x + 153}{x^{4} + 148 x^{3} - 148 x - 1}$$

Sequence: A193249
Score: 9.75191
Type of gen. func.: ogf

$$\frac{(x + 1) (x^{2} + 148 x + 1)}{(x - 1)^{4}}$$

Sequence: A193250
Score: 10.0248
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 46 x + 1)}{(x - 1)^4}$$

Sequence: A193250
Score: 10.1533
Type of gen. func.: lgdogf

$$-\frac{x^3 + 97 x^2 + 235 x + 51}{x^4 + 46 x^3 - 46 x - 1}$$

Sequence: A193250
Score: 16.5452
Type of gen. func.: lgdogf

$$-\frac{x^3 + 97 x^2 + 235 x + 51}{(x - 1) (x + 1) (x^2 + 46 x + 1)}$$

Sequence: A193250
Score: 4.12478
Type of gen. func.: ogf

$$\{(22 n^2 + 107 n + 126) a(n + 1) + (-44 n^2 - 220 n - 417) a(n + 2)$$

$$+ (22 n^2 + 113 n + 141) a(n + 3), a(0) = 1, a(1) = 51, a(2) = 245\}$$

Sequence: A193250
Score: 5.35107
Type of gen. func.: ogf

$$(10944 f(x) + 421927)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 47 x^2 + f(x) - 47 x - 1)$$

Sequence: A193251

Score: 15.3044
Type of gen. func.: lgdogf

$$-\frac{x^3 + 241 x^2 + 595 x + 123}{(x - 1) (x + 1) (x^2 + 118 x + 1)}$$

Sequence: A193251
Score: 3.99654
Type of gen. func.: ogf

$$\{(58 n^2 + 287 n + 342) a(n + 1) + (-116 n^2 - 580 n - 1065) a(n + 2) + (58 n^2 + 293 n + 357) a(n + 3), a(0) = 1, a(1) = 123, a(2) = 605\}$$

Sequence: A193251
Score: 5.09363
Type of gen. func.: ogf

$$(480960 f(x) + 47496559) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 119 x^2 + f(x) - 119 x - 1)$$

Sequence: A193251
Score: 9.50398
Type of gen. func.: lgdogf

$$-\frac{x^3 + 241 x^2 + 595 x + 123}{x^4 + 118 x^3 - 118 x - 1}$$

Sequence: A193251
Score: 9.62131
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 118 x + 1)}{(x - 1)^4}$$

Sequence: A193252
Score: 10.2969
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 70 x + 1)}{(x - 1)^4}$$

Sequence: A193252
Score: 10.2969
Type of gen. func.: lgdogf

$$- \frac{x^3 + 145 x^2 + 355 x + 75}{x^4 + 70 x^3 - 70 x - 1}$$

Sequence: A193252
Score: 16.6484
Type of gen. func.: lgdogf

$$- \frac{x^3 + 145 x^2 + 355 x + 75}{(x - 1) (x + 1) (x^2 + 70 x + 1)}$$

Sequence: A193252
Score: 4.23677
Type of gen. func.: ogf

$$\{(-34 n^2 - 167 n - 198) a(n + 1) + (68 n^2 + 340 n + 633) a(n + 2)$$

$$+ (-34 n^2 - 173 n - 213) a(n + 3), a(0) = 1, a(1) = 75, a(2) = 365\}$$

Sequence: A193252
Score: 5.53373
Type of gen. func.: ogf

$(6912 f(x) + 405163)$

$$(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - x^3 - 4\,f(x)\,x - 71\,x^2 + f(x) - 71\,x - 1)$$

Sequence: A193253
Score: 15.6570
Type of gen. func.: lgdogf

$$-\frac{x^3 + 361\,x^2 + 895\,x + 183}{(x - 1)\,(x + 1)\,(x^2 + 178\,x + 1)}$$

Sequence: A193253
Score: 4.08696
Type of gen. func.: ogf

$$\{(88\,n^2 + 437\,n + 522)\,a(n + 1) + (-176\,n^2 - 880\,n - 1605)\,a(n + 2)$$

$$+ (88\,n^2 + 443\,n + 537)\,a(n + 3),\ a(0) = 1,\ a(1) = 183,\ a(2) = 905\}$$

Sequence: A193253
Score: 5.20887
Type of gen. func.: ogf

$$(135405\,f(x) + 20165618)\,($$

$$f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - x^3 - 4\,f(x)\,x - 179\,x^2 + f(x) - 179\,x - 1$$

$$)$$

Sequence: A193253
Score: 9.71899
Type of gen. func.: lgdogf

$$-\frac{x^3 + 361\,x^2 + 895\,x + 183}{x^4 + 178\,x^3 - 178\,x - 1}$$

Sequence: A193253
Score: 9.83898
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 178 x + 1)}{(x - 1)^4}$$

Sequence: A193261
Score: 4.85265
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^{10} - x^9 - x^8 + x^7 - x^6 - x^4 + x^3 - x^2 - x - 2}{x^{12} - x^9 + x^3 - 1}$$

Sequence: A193281
Score: 10.4440
Type of gen. func.: lgdegf]

$$\frac{-2 x^2 + \ln(x - 1) x - \ln(x - 1) + \ln(x + 1) x - \ln(x + 1) - \mathrm{Pi}\, x\, I + \mathrm{Pi}\, I}{(x - 1) x^2}$$

Sequence: A193281
Score: 7.23367
Type of gen. func.: lgdegf]

$$\frac{-2 x + \ln(x + 1) - \frac{2}{x - 1} + \ln(x - 1) - 2 - \mathrm{Pi}\, I}{x^2}$$

Sequence: A193282
Score: 12.9228
Type of gen. func.: lgdegf]

$$-\frac{16 x^3 - 8 x^2 - 4 x - 1}{(2 x + 1) (-1 + 2 x) (4 x^2 - x - 1)}$$

Sequence: A193282
Score: 8.18346
Type of gen. func.: lgdegf]

$$-\frac{-16 x^3 + 8 x^2 + 4 x + 1}{-16 x^4 + 4 x^3 + 8 x^2 - x - 1}$$

Sequence: A193287
Score: 7.15451
Type of gen. func.: lgdegf]

$$-1/2\, I\, (-8 I x^3 + 2 I \ln(2 x^2 - 1) x^2 - \ln(2 x^2 - 1) I - 4 I x^2 + 2 x^2 \mathrm{Pi} - \mathrm{Pi}) \Big/ ((2 x^2 - 1) x^2)$$

Sequence: A193288
Score: 8.15294
Type of gen. func.: lgdegf]

$$1/3\, \frac{-18 x^3 + 3 \ln(3 x^2 - 1) x^2 - \ln(3 x^2 - 1) - 6 x^2 - 3 I x^2 \mathrm{Pi} + \mathrm{Pi}\, I}{(3 x^2 - 1) x^2}$$

Sequence: A193289
Score: 8.20763
Type of gen. func.: lgdegf]

$$1/3\, \frac{-36 x^3 + 6 \ln(6 x^2 - 1) x^2 - \ln(6 x^2 - 1) - 12 x^2 - 6 I \mathrm{Pi}\, x^2 + \mathrm{Pi}\, I}{(6 x^2 - 1) x^2}$$

Sequence: A193356
Score: 12.1378
Type of gen. func.: ogf

$$\frac{x^2 + 1}{}$$

$$(x - 1)^2 (x + 1)^2$$

Sequence: A193356
Score: 13.4022
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 6 x}{x^4 - 1}$$

Sequence: A193356
Score: 24.5557
Type of gen. func.: lgdogf

$$-\frac{2 x (x^2 + 3)}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A193356
Score: 25.6522
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^3 + 3 x]$$

Sequence: A193356
Score: 5.59397
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 1) + (n + 2) a(n + 3), a(0) = 1, a(1) = 0, a(2) = 3\}$$

Sequence: A193356
Score: 7.06929
Type of gen. func.: ogf

$$(16 f(x) + 65) (f(x) x^4 - 2 f(x) x^2 - x^2 + f(x) - 1)$$

Sequence: A193361
Score: 5.18933
Type of gen. func.: ogf

$$\{a(n + 2) n - a(n + 1) n - a(n + 4) + 2 a(n + 3), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 2\}$$

Sequence: A193362
Score: 3.98165
Type of gen. func.: ogf

$$x (x^{10} - 16 x^9 + 35 x^8 - 8 x^7 - 38 x^6 + 28 x^5 + 18 x^4 - 37 x^3 + 10 x^2 + 36 x - 31) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^5)$$

Sequence: A193382
Score: 6.60872
Type of gen. func.: ogf

$$-2 f(x)^2 x^2 + 2 f(x) x^3 + 2 f(x)^2 x - x^3 - f(x)^2 - f(x) x + f(x)$$

Sequence: A193383
Score: 6.57624
Type of gen. func.: ogf

$$2 f(x)^2 x^3 - 2 f(x)^2 x^2 + f(x)^2 x - 2 f(x) x^2 + 2 f(x) x - f(x) - 1$$

Sequence: A193390
Score: 13.6386
Type of gen. func.: lgdogf

$$- \frac{x^4 - 14 x^3 + 48 x^2 + 70 x + 215}{(x - 1) (x^4 - 9 x^3 + 25 x^2 + 5 x + 42)}$$

Sequence: A193390
Score: 7.98276

Type of gen. func.: lgdogf

$$-\frac{-x^4 + 14 x^3 - 48 x^2 - 70 x - 215}{-x^5 + 10 x^4 - 34 x^3 + 20 x^2 - 37 x + 42}$$

Sequence: A193390
Score: 8.72343
Type of gen. func.: ogf

$$-\frac{x^4 - 9 x^3 + 25 x^2 + 5 x + 42}{(x - 1)^5}$$

Sequence: A193391
Score: 10.2599
Type of gen. func.: ogf

$$-\frac{9 x^3 + 3 x^2 - x - 27}{(x - 1)^4}$$

Sequence: A193391
Score: 16.0351
Type of gen. func.: lgdogf

$$-\frac{9 x^3 + 33 x^2 + 3 x - 109}{(x - 1) (9 x^3 + 3 x^2 - x - 27)}$$

Sequence: A193391
Score: 3.77486
Type of gen. func.: ogf

$$\{(-6441 n^2 - 46137 n - 66510) a(n + 1) + (12454 n^2 + 59204 n + 5154) a(n + 2) + (-6013 n^2 - 14351 n + 11064) a(n + 3), a(0) = 27, a(1) = 109, a(2) = 271\}$$

Sequence: A193391
Score: 5.37093
Type of gen. func.: ogf

$(32840 f(x) + 20969703)$

$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 9 x^3 - 4 f(x) x + 3 x^2 + f(x) - x - 27)$

Sequence: A193391
Score: 9.41494
Type of gen. func.: lgdogf

$$-\frac{-9 x^3 - 33 x^2 - 3 x + 109}{-9 x^4 + 6 x^3 + 4 x^2 + 26 x - 27}$$

Sequence: A193392
Score: 11.3874
Type of gen. func.: lgdogf

$$-\frac{37 x^4 + 50 x^3 - 204 x^2 - 18 x + 215}{(x - 1) (37 x^4 - 49 x^3 - 19 x^2 + 5 x + 42)}$$

Sequence: A193392
Score: 7.33903
Type of gen. func.: lgdogf

$$-\frac{-37 x^4 - 50 x^3 + 204 x^2 + 18 x - 215}{-37 x^5 + 86 x^4 - 30 x^3 - 24 x^2 - 37 x + 42}$$

Sequence: A193392
Score: 8.08034
Type of gen. func.: ogf

$$37 x^4 - 49 x^3 - 19 x^2 + 5 x + 42$$
$$- \text{-----------------------------------}$$

$$(x-1)^5$$

Sequence: A193393
Score: 10.2945
Type of gen. func.: lgdogf

$$-\frac{7x^3+15x^2-3x+109}{7x^4-10x^3+4x^2+26x-27}$$

Sequence: A193393
Score: 11.3504
Type of gen. func.: ogf

$$\frac{7x^3-3x^2+x+27}{(x-1)^4}$$

Sequence: A193393
Score: 18.1370
Type of gen. func.: lgdogf

$$-\frac{7x^3+15x^2-3x+109}{(x-1)(7x^3-3x^2+x+27)}$$

Sequence: A193393
Score: 4.33986
Type of gen. func.: ogf

$$\{(-842n^2-5967n-8566)a(n+1)+(1796n^2+9696n+6649)a(n+2)$$
$$+(-954n^2-3393n-1593)a(n+3),\ a(0)=27,\ a(1)=109,\ a(2)=271\}$$

Sequence: A193393
Score: 6.10573
Type of gen. func.: ogf

$$(6144 f(x) - 10403)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 7 x^3 - 4 f(x) x + 3 x^2 + f(x) - x - 27)$$

Sequence: A193394
Score: 11.7834
Type of gen. func.: lgdogf

$$-\frac{27 x^4 - 18 x^3 - 132 x^2 + 18 x - 215}{(x - 1) (27 x^4 - 63 x^3 + 19 x^2 - 5 x - 42)}$$

Sequence: A193394
Score: 7.69783
Type of gen. func.: lgdogf

$$-\frac{27 x^4 - 18 x^3 - 132 x^2 + 18 x - 215}{27 x^5 - 90 x^4 + 82 x^3 - 24 x^2 - 37 x + 42}$$

Sequence: A193394
Score: 8.47538
Type of gen. func.: ogf

$$\frac{27 x^4 - 63 x^3 + 19 x^2 - 5 x - 42}{(x - 1)^5}$$

Sequence: A193395
Score: 8.77034
Type of gen. func.: ogf

$$-\frac{19 x^4 - 72 x^3 + 42 x^2 + 56 x - 109}{(x + 1) (x - 1)^4}$$

Sequence: A193395

Score: 9.92569
Type of gen. func.: lgdogf

$$-\frac{19x^5 - 87x^4 - 14x^3 + 134x^2 - 293x - 271}{(x-1)(x+1)(19x^4 - 72x^3 + 42x^2 + 56x - 109)}$$

Sequence: A193396
Score: 7.57035
Type of gen. func.: ogf

$$\frac{2x^5 + 63x^4 - 114x^3 - 88x^2 + 224x - 215}{(x+1)(x-1)^5}$$

Sequence: A193397
Score: 7.42187
Type of gen. func.: ogf

$$-\frac{35x^5 - 53x^4 - 14x^3 + 98x^2 - 53x - 109}{(x+1)^2 (x-1)^4}$$

Sequence: A193398
Score: 5.53107
Type of gen. func.: ogf

$$-\frac{94x^7 - 99x^6 - 126x^5 + 221x^4 - 78x^3 - 145x^2 + 206x + 215}{(x+1)^3 (x-1)^5}$$

Sequence: A193399
Score: 5.31812
Type of gen. func.: ogf

$$\frac{7x^5 - 21x^4 + 2x^3 + 26x^2 + 55x + 27}{(x+1)^2 (x-1)^4}$$

Sequence: A193399
Score: 6.38274
Type of gen. func.: lgdogf

$$-\frac{7 x^6 - 28 x^5 - x^4 + 24 x^3 + 333 x^2 + 324 x + 109}{(x - 1) (x + 1) (7 x^5 - 21 x^4 + 2 x^3 + 26 x^2 + 55 x + 27)}$$

Sequence: A193400
Score: 5.72806
Type of gen. func.: ogf

$$\frac{27 x^7 - 78 x^6 - 25 x^5 + 146 x^4 - 63 x^3 - 122 x^2 - 131 x - 42}{(x + 1)^3 (x - 1)^5}$$

Sequence: A193410
Score: 10.0797
Type of gen. func.: ogf

$$18 f(x) x^2 - 6 f(x) x + f(x) + 3 x - 1$$

Sequence: A193410
Score: 14.0240
Type of gen. func.: ogf

$$-\frac{3 x - 1}{18 x^2 - 6 x + 1}$$

Sequence: A193410
Score: 16.6084
Type of gen. func.: lgdogf

$$-\frac{3 (18 x^2 - 12 x + 1)}{(3 x - 1) (18 x^2 - 6 x + 1)}$$

Sequence: A193410
Score: 7.77234
Type of gen. func.: ogf

$$\{-a(n+2)+6\,a(n+1)-18\,a(n),\ a(0)=1,\ a(1)=3\}$$

Sequence: A193410
Score: 9.48682
Type of gen. func.: lgdogf

$$-\frac{-54\,x^2+36\,x-3}{-54\,x^3+36\,x^2-9\,x+1}$$

Sequence: A193418
Score: 8.55250
Type of gen. func.: lgdogf

$$-\frac{12\,x^6+15\,x^5-17\,x^4+6\,x^3+2\,x^2-5\,x+3}{(x-1)\,(3\,x-1)\,(x+1)\,(x^2+1)\,(x^2+x-1)}$$

Sequence: A193418
Score: 8.94586
Type of gen. func.: ogf

$$\frac{x^2+x-1}{(x+1)\,(3\,x-1)\,(x^2+1)\,(x-1)^2}$$

Sequence: A193422
Score: 13.5770
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^3-7\,x^2-2)}{(x-1)\,(x+1)\,(x^5-x^4-2\,x^3+4\,x^2-3\,x-1)}$$

Sequence: A193422
Score: 7.74401
Type of gen. func.: ogf

$$\frac{x\,(x^5 - x^4 - 2\,x^3 + 4\,x^2 - 3\,x - 1)}{(x + 1)^2\,(x - 1)^3}$$

Sequence: A193426
Score: 8.19936
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2\,x^8 - x^7 + x^6 + x^4 - x^3 - x + 1}{-x^9 - 1}$$

Sequence: A193427
Score: 19.1930
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{8}{-x^2 + 2\,x - 1}$$

Sequence: A193437
Score: 24.1881
Type of gen. func.: lgdegf]

$$\frac{1}{-x^3 + 1}$$

Sequence: A193437
Score: 36.9291
Type of gen. func.: lgdegf]

$$-\frac{1}{(x - 1)\,(x^2 + x + 1)}$$

Sequence: A193437
Score: 5.55136
Type of gen. func.: ogf

$$\{(n^3 + 3 n^2 + 2 n) a(n) - a(n + 3) + a(n + 2), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A193438
Score: 26.6729
Type of gen. func.: lgdegf]

$$\frac{1}{-x^4 + 1}$$

Sequence: A193438
Score: 33.3695
Type of gen. func.: lgdegf]

$$- \frac{1}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A193438
Score: 5.41190
Type of gen. func.: egf]

$$\{(n + 4) a(n + 4) - a(n + 3) - n a(n), a(0) = 1, a(1) = 1, a(2) = 1/2,$$
$$a(3) = 1/6\}$$

Sequence: A193446
Score: 2.97158
Type of gen. func.: ogf

$$\{(n^3 + 15 n^2 + 75 n + 125) a(n + 1) + (-3 n^2 - 33 n - 91) a(n + 2)$$
$$+ (3 n + 18) a(n + 3) - a(n + 4), a(0) = 2, a(1) = 18, a(2) = 142,$$
$$a(3) = 1160\}$$

Sequence: A193448
Score: 12.2098
Type of gen. func.: lgdogf

$$-\frac{x^2 + 18 x + 11}{x^3 + 7 x^2 - 7 x - 1}$$

Sequence: A193448
Score: 12.9975
Type of gen. func.: ogf

$$-\frac{4 (x^2 + 8 x + 1)}{(x - 1)^3}$$

Sequence: A193448
Score: 24.7185
Type of gen. func.: lgdogf

$$-\frac{x^2 + 18 x + 11}{(x - 1) (x^2 + 8 x + 1)}$$

Sequence: A193448
Score: 7.00735
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 4, a(1) = 44, a(2) = 124\}$

Sequence: A193448
Score: 7.06882
Type of gen. func.: ogf

$$(7 f(x) - 144) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) + 32 x + 4)$$

Sequence: A193449

Score: 12.0776
Type of gen. func.: lgdogf

$$-\frac{-24 x^2 - 12 x - 6}{-8 x^3 - 6 x^2 + 3 x + 1}$$

Sequence: A193449
Score: 12.2634
Type of gen. func.: ogf

$$\frac{x (4 x + 1)}{(-1 + 2 x)^2 (x + 1)^2}$$

Sequence: A193449
Score: 20.1724
Type of gen. func.: lgdogf

$$-\frac{6 (4 x^2 + 2 x + 1)}{(4 x + 1) (-1 + 2 x) (x + 1)}$$

Sequence: A193449
Score: 4.19537
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 4) - 3 n a(n + 3) + (18 + 6 n) a(n + 2) + (24 + 8 n) a(n + 1),$$

$$a(0) = 0, a(1) = 1, a(2) = 6, a(3) = 15\}$$

Sequence: A193449
Score: 5.90459
Type of gen. func.: ogf

$$-(1863 f(x) + 1342)$$

$$(4 f(x) x^4 + 4 f(x) x^3 - 3 f(x) x^2 - 2 f(x) x - 4 x^2 + f(x) - x)$$

Sequence: A193475
Score: 13.5486

Type of gen. func.: ogf

$$\frac{2 (8 x + 1)}{(16 x - 1) (4 x - 1)}$$

Sequence: A193475
Score: 14.1949
Type of gen. func.: lgdogf

$$- \frac{4 (128 x^2 + 32 x - 7)}{(16 x - 1) (8 x + 1) (4 x - 1)}$$

Sequence: A193475
Score: 7.22593
Type of gen. func.: ogf

$$(27 f(x) + 44) (64 f(x) x^2 - 20 f(x) x + f(x) - 16 x - 2)$$

Sequence: A193475
Score: 7.65098
Type of gen. func.: ogf

$$\{-a(n + 2) + 20 a(n + 1) - 64 a(n), a(0) = 2, a(1) = 56\}$$

Sequence: A193475
Score: 8.90867
Type of gen. func.: lgdogf

$$- \frac{512 x^2 + 128 x - 28}{512 x^3 - 96 x^2 - 12 x + 1}$$

Sequence: A193476
Score: 8.74923
Type of gen. func.: ogf

$$-(64 f(x) x^2 - 20 f(x) x + f(x) - 16 x - 2)^2$$

Sequence: A193519
Score: 10.6235
Type of gen. func.: ogf

$$3 f(x) x^3 + 5 f(x) x^2 - 5 f(x) x - 2 x^2 + f(x)$$

Sequence: A193519
Score: 13.2385
Type of gen. func.: lgdogf

$$- \frac{-9 x^2 - 10 x + 5}{-3 x^3 - 5 x^2 + 5 x - 1}$$

Sequence: A193519
Score: 19.1223
Type of gen. func.: ogf

$$\frac{2 x^2}{(3 x - 1) (x^2 + 2 x - 1)}$$

Sequence: A193519
Score: 23.7139
Type of gen. func.: lgdogf

$$- \frac{9 x^2 + 10 x - 5}{(3 x - 1) (x^2 + 2 x - 1)}$$

Sequence: A193519
Score: 7.82276
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 5 a(n + 1) - 3 a(n), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A193530
Score: 8.31756
Type of gen. func.: ogf

$$-\frac{x^5 + 3 x^3 - 2 x^2 - 2 x + 1}{(x - 1) (x^2 + 2 x - 1) (x^4 + 2 x^2 - 1)}$$

Sequence: A193575
Score: 12.2643
Type of gen. func.: lgdogf

$$-\frac{3 (x^4 + 4 x^3 + 22 x^2 + 120 x + 63)}{(x - 1) (x^4 + 2 x^3 + 12 x^2 + 56 x + 19)}$$

Sequence: A193575
Score: 6.52458
Type of gen. func.: ogf

$$-\frac{x (x^4 + 2 x^3 + 12 x^2 + 56 x + 19)}{(x - 1)^7}$$

Sequence: A193575
Score: 7.38632
Type of gen. func.: lgdogf

$$-\frac{3 x^4 + 12 x^3 + 66 x^2 + 360 x + 189}{x^5 + x^4 + 10 x^3 + 44 x^2 - 37 x - 19}$$

Sequence: A193576
Score: 10.6313
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 5 x^4 - 112 x^3 - 284 x^2 - 206 x - 35}{(x - 1) (x^5 - 28 x^3 - 40 x^2 - 21 x - 2)}$$

Sequence: A193576
Score: 6.80878
Type of gen. func.: ogf

$$\frac{x^5 - 28 x^3 - 40 x^2 - 21 x - 2}{(x - 1)^7}$$

Sequence: A193577
Score: 11.9253
Type of gen. func.: ogf

$$\{a(n + 1) - 7 a(n), a(0) = 5\}$$

Sequence: A193577
Score: 15.1248
Type of gen. func.: ogf

$$-7 f(x) x + f(x) - 5$$

Sequence: A193577
Score: 22.1470
Type of gen. func.: lgdogf

$$\frac{7}{-7 x + 1}$$

Sequence: A193577
Score: 24.8046
Type of gen. func.: ogf

$$-\frac{5}{7 x - 1}$$

Sequence: A193577
Score: 55.2848
Type of gen. func.: lgdogf

$$-\frac{7}{7x-1}$$

Sequence: A193578
Score: 10.2283
Type of gen. func.: lgdogf

$$-\frac{-91x^2+26x-7}{-91x^3+111x^2-21x+1}$$

Sequence: A193578
Score: 15.2336
Type of gen. func.: ogf

$$-\frac{7x-1}{(13x-1)(x-1)}$$

Sequence: A193578
Score: 17.5999
Type of gen. func.: lgdogf

$$-\frac{91x^2-26x+7}{(x-1)(13x-1)(7x-1)}$$

Sequence: A193578
Score: 7.69871
Type of gen. func.: ogf

$$-(72 f(x) - 23) (13 f(x) x^2 - 14 f(x) x + f(x) + 7 x - 1)$$

Sequence: A193578
Score: 8.52356
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1) + 13 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A193579
Score: 11.6158
Type of gen. func.: lgdogf

$$-\frac{-40 x^2 + 24 x - 5}{-40 x^3 + 62 x^2 - 25 x + 3}$$

Sequence: A193579
Score: 17.4238
Type of gen. func.: ogf

$$-\frac{3 (10 x - 3)}{(4 x - 1) (x - 1)}$$

Sequence: A193579
Score: 20.2169
Type of gen. func.: lgdogf

$$-\frac{40 x^2 - 24 x + 5}{(x - 1) (4 x - 1) (10 x - 3)}$$

Sequence: A193579
Score: 8.8076
Type of gen. func.: ogf

$$-(f(x) + 66) (4 f(x) x^2 - 5 f(x) x + f(x) + 30 x - 9)$$

Sequence: A193579
Score: 9.65654
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 4 a(n), a(0) = 9, a(1) = 15\}$$

Sequence: A193581
Score: 8.06194

Type of gen. func.: ogf

$$-9 x^{10} \Big/ \left((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x + 1)^2 (x^4 + x^3 + x^2 + x + 1)^2 (x^4 - x^3 + x^2 - x + 1)^2 (x - 1)^3 \right)$$

Sequence: A193608
Score: 16.2901
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - 4 x^2 + 5 x - 26)}{(x - 1) (x - 3) (2 x^2 - x + 5)}$$

Sequence: A193608
Score: 3.91741
Type of gen. func.: ogf

$$\{(109 n^2 + 755 n + 1074) a(n + 1) + (-146 n^2 - 679 n - 618) a(n + 2) + (37 n^2 + 140 n + 87) a(n + 3), a(0) = 15, a(1) = 52, a(2) = 125\}$$

Sequence: A193608
Score: 5.26823
Type of gen. func.: ogf

$$(4272 f(x) + 57827) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 2 x^3 - 4 f(x) x - 7 x^2 + f(x) + 8 x - 15)$$

Sequence: A193608
Score: 8.98699
Type of gen. func.: lgdogf

$$-\frac{-2 x^3 + 8 x^2 - 10 x + 52}{-2 x^4 + 9 x^3 - 15 x^2 + 23 x - 15}$$

Sequence: A193608
Score: 9.79351
Type of gen. func.: ogf

$$-\frac{(x-3)(2x^2-x+5)}{(x-1)^4}$$

Sequence: A193641
Score: 12.9631
Type of gen. func.: ogf

$$-\frac{x^2+x+1}{x^3+2x-1}$$

Sequence: A193641
Score: 15.3054
Type of gen. func.: lgdogf

$$-\frac{x^4+2x^3+x^2+2x+3}{(x^2+x+1)(x^3+2x-1)}$$

Sequence: A193641
Score: 7.01063
Type of gen. func.: ogf

$$-(11 f(x)+5)(f(x) x^3+2 f(x) x+x^2-f(x)+x+1)$$

Sequence: A193641
Score: 7.15669
Type of gen. func.: lgdogf

$$-\frac{-x^4-2x^3-x^2-2x-3}{-x^5-x^4-3x^3-x^2-x+1}$$

Sequence: A193641
Score: 7.30896
Type of gen. func.: ogf

$$\{-a(n+3) + 2\,a(n+2) + a(n),\ a(0) = 1,\ a(1) = 3,\ a(2) = 7\}$$

Sequence: A193642
Score: 10.4152
Type of gen. func.: ogf

$$-\frac{x^2 + 3x + 1}{x^3 + 2x^2 + 2x - 1}$$

Sequence: A193642
Score: 11.5240
Type of gen. func.: lgdogf

$$-\frac{x^4 + 6x^3 + 7x^2 + 6x + 5}{(x^2 + 3x + 1)(x^3 + 2x^2 + 2x - 1)}$$

Sequence: A193642
Score: 5.43016
Type of gen. func.: ogf

$$-(11 f(x) + 13)(f(x) x^3 + 2 f(x) x^2 + 2 f(x) x + x^2 - f(x) + 3x + 1)$$

Sequence: A193642
Score: 5.62239
Type of gen. func.: ogf

$$\{-a(n+3) + 2\,a(n+2) + 2\,a(n+1) + a(n),\ a(0) = 1,\ a(1) = 5,\ a(2) = 13\}$$

Sequence: A193642
Score: 6.61802
Type of gen. func.: lgdogf

$$-\frac{x^4+6x^3+7x^2+6x+5}{x^5+5x^4+9x^3+7x^2-x-1}$$

Sequence: A193643
Score: 10.7120
Type of gen. func.: ogf

$$-\frac{x^2+5x+1}{(x+1)(x^2+3x-1)}$$

Sequence: A193643
Score: 11.2378
Type of gen. func.: lgdogf

$$-\frac{x^4+10x^3+21x^2+10x+7}{(x+1)(x^2+5x+1)(x^2+3x-1)}$$

Sequence: A193643
Score: 5.68202
Type of gen. func.: ogf

$$(175 f(x) - 103) (f(x) x^3 + 4 f(x) x^2 + 2 f(x) x + x^2 - f(x) + 5 x + 1)$$

Sequence: A193643
Score: 5.78259
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 4 a(n + 1) + a(n), a(0) = 1, a(1) = 7, a(2) = 19\}$$

Sequence: A193643
Score: 6.46963
Type of gen. func.: lgdogf

$$-x^4 - 10 x^3 - 21 x^2 - 10 x - 7$$

```
                  - -------------------------------------
                      5       4       3       2
                    -x  - 9 x  - 23 x  - 13 x  + 3 x + 1
```

Sequence: A193644
Score: 10.5761
Type of gen. func.: ogf

```
                              2
                             x  + 7 x + 1
                         - ------------------
                            3      2
                           x  + 6 x  + 2 x - 1
```

Sequence: A193644
Score: 11.0953
Type of gen. func.: lgdogf

```
                          4       3       2
                         x  + 14 x  + 43 x  + 14 x + 9
                  - -------------------------------------
                       2              3      2
                     (x  + 7 x + 1) (x  + 6 x  + 2 x - 1)
```

Sequence: A193644
Score: 5.56159
Type of gen. func.: ogf

```
                              3            2               2
    (1193 f(x) - 313) (f(x) x  + 6 f(x) x  + 2 f(x) x + x  - f(x) + 7 x + 1)
```

Sequence: A193644
Score: 5.70924
Type of gen. func.: ogf

```
  {-a(n + 3) + 2 a(n + 2) + 6 a(n + 1) + a(n), a(0) = 1, a(1) = 9, a(2) = 25}
```

Sequence: A193645
Score: 10.2803
Type of gen. func.: ogf

```
                              2
                             x  + 9 x + 1
                         - ------------------
                            3      2
                           x  + 8 x  + 2 x - 1
```

Sequence: A193645
Score: 10.5958
Type of gen. func.: lgdogf

$$-\frac{x^4 + 18 x^3 + 73 x^2 + 18 x + 11}{(x^2 + 9 x + 1) (x^3 + 8 x^2 + 2 x - 1)}$$

Sequence: A193645
Score: 5.40602
Type of gen. func.: ogf

$$(4051 f(x) - 691) (f(x) x^3 + 8 f(x) x^2 + 2 f(x) x + x^2 - f(x) + 9 x + 1)$$

Sequence: A193645
Score: 5.50086
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) - 8 a(n + 1) - a(n), a(0) = 1, a(1) = 11, a(2) = 31}

Sequence: A193646
Score: 4.94567
Type of gen. func.: ogf

$$(10141 f(x) - 1285) (f(x) x^3 + 10 f(x) x^2 + 2 f(x) x + x^2 - f(x) + 11 x + 1)$$

Sequence: A193646
Score: 5.16070
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) - 10 a(n + 1) - a(n), a(0) = 1, a(1) = 13, a(2) = 37}

Sequence: A193646
Score: 9.42032
Type of gen. func.: ogf

$$-\frac{x^2 + 11 x + 1}{x^3 + 10 x^2 + 2 x - 1}$$

Sequence: A193646
Score: 9.52648
Type of gen. func.: lgdogf

$$-\frac{x^4 + 22 x^3 + 111 x^2 + 22 x + 13}{(x^2 + 11 x + 1) (x^3 + 10 x^2 + 2 x - 1)}$$

Sequence: A193647
Score: 5.1775
Type of gen. func.: ogf

$$(21239 f(x) - 2143) (f(x) x^3 + 12 f(x) x^2 + 2 f(x) x + x^2 - f(x) + 13 x + 1)$$

Sequence: A193647
Score: 5.40260
Type of gen. func.: ogf

$\{a(n + 3) - 2 a(n + 2) - 12 a(n + 1) - a(n), a(0) = 1, a(1) = 15, a(2) = 43\}$

Sequence: A193647
Score: 9.86189
Type of gen. func.: ogf

$$-\frac{x^2 + 13 x + 1}{x^3 + 12 x^2 + 2 x - 1}$$

Sequence: A193647
Score: 9.98254
Type of gen. func.: lgdogf

$$-\frac{x^4 + 26 x^3 + 157 x^2 + 26 x + 15}{}$$

$$(x^2 + 13 x + 1) (x^3 + 12 x^2 + 2 x - 1)$$

Sequence: A193649
Score: 4.25451
Type of gen. func.: ogf

$$-(3 f(x) + 2) (4 f(x) x^3 - 3 f(x) x^2 - 2 f(x) x + 2 x^2 + f(x) + x - 1)$$

Sequence: A193649
Score: 4.36848
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 3 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 1, a(2) = 3\}$$

Sequence: A193649
Score: 7.93990
Type of gen. func.: lgdogf

$$- \frac{8 x^4 + 8 x^3 - 11 x^2 + 2 x + 1}{(x - 1) (-1 + 2 x) (x + 1) (4 x^2 + x - 1)}$$

Sequence: A193649
Score: 8.02082
Type of gen. func.: ogf

$$- \frac{(-1 + 2 x) (x + 1)}{(x - 1) (4 x^2 + x - 1)}$$

Sequence: A193652
Score: 13.1723
Type of gen. func.: ogf

$$- \frac{x (2 x^2 - 2 x - 1)}{(x - 1) (2 x + 1) (-1 + 2 x) (x + 1)}$$

Sequence: A193652
Score: 8.11625
Type of gen. func.: ogf

$$(44 f(x) + 35) (4 f(x) x^4 - 5 f(x) x^2 + 2 x^3 - 2 x^2 + f(x) - x)$$

Sequence: A193653
Score: 12.3189
Type of gen. func.: ogf

$$- \frac{x^2 + 2 x - 1}{(x - 1) (2 x^2 + 3 x - 1)}$$

Sequence: A193653
Score: 12.7288
Type of gen. func.: lgdogf

$$- \frac{2 (x + 1) (x^3 + 3 x^2 - 3 x + 1)}{(x - 1) (2 x^2 + 3 x - 1) (x^2 + 2 x - 1)}$$

Sequence: A193653
Score: 6.70939
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + a(n + 1) + 2 a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A193653
Score: 6.76983
Type of gen. func.: ogf

$$(2 f(x) - 3) (2 f(x) x^3 + f(x) x^2 - 4 f(x) x + x^2 + f(x) + 2 x - 1)$$

Sequence: A193653
Score: 8.53923
Type of gen. func.: lgdogf

$$-\frac{2x^4+8x^3-4x+2}{2x^5+5x^4-4x^3-8x^2+6x-1}$$

Sequence: A193654
Score: 3.16878
Type of gen. func.: ogf

$$-\frac{8x^5-4x^3-4x^2+2x+1}{(x+1)(2x+1)(x-1)^2(-1+2x)^3}$$

Sequence: A193655
Score: 3.58337
Type of gen. func.: ogf

$$-\frac{4x^5+8x^4-9x^3-3x^2+2x+1}{(x+1)(2x+1)(x-1)^2(-1+2x)^3}$$

Sequence: A193656
Score: 12.5752
Type of gen. func.: ogf

$$-\frac{-1+2x}{(5x-1)(4x-1)}$$

Sequence: A193656
Score: 13.8117
Type of gen. func.: lgdogf

$$-\frac{40x^2-40x+7}{(4x-1)(-1+2x)(5x-1)}$$

Sequence: A193656
Score: 6.5734
Type of gen. func.: ogf

$$(23 f(x) + 26) (20 f(x) x^2 - 9 f(x) x + f(x) + 2 x - 1)$$

Sequence: A193656
Score: 6.96939
Type of gen. func.: ogf

$$\{-a(n + 2) + 9 a(n + 1) - 20 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A193656
Score: 8.38346
Type of gen. func.: lgdogf

$$- \frac{-40 x^2 + 40 x - 7}{-40 x^3 + 38 x^2 - 11 x + 1}$$

Sequence: A193661
Score: 5.09958
Type of gen. func.: ogf

$$-(2 f(x) - 11) (21 f(x) x^3 - 31 f(x) x^2 + 11 f(x) x + 13 x^2 - f(x) - 8 x + 1)$$

Sequence: A193661
Score: 5.27542
Type of gen. func.: ogf

$$\{-a(n + 3) + 11 a(n + 2) - 31 a(n + 1) + 21 a(n), a(0) = 1, a(1) = 3, a(2) = 15\}$$

Sequence: A193661
Score: 8.56815
Type of gen. func.: lgdogf

$$- \frac{3 (91 x^4 - 112 x^3 + 56 x^2 - 12 x + 1)}{(x - 1) (3 x - 1) (7 x - 1) (13 x^2 - 8 x + 1)}$$

Sequence: A193661
Score: 9.41460
Type of gen. func.: ogf

$$-\frac{13 x^2 - 8 x + 1}{(x - 1) (3 x - 1) (7 x - 1)}$$

Sequence: A193662
Score: 2.52022
Type of gen. func.: ogf

$$-(-67 + 272 f(x))$$

$$(4 f(x) x^3 - 3 f(x) x^2 - 2 x^3 - 2 f(x) x + 3 x^2 + f(x) + 3 x - 2)$$

Sequence: A193662
Score: 4.60213
Type of gen. func.: ogf

$$\frac{(x - 2) (-1 + 2 x) (x + 1)}{(x - 1) (4 x^2 + x - 1)}$$

Sequence: A193663
Score: 3.29116
Type of gen. func.: ogf

$\{-a(n + 4) + 2 a(n + 3) + 6 a(n + 2) - 7 a(n + 1) - a(n), a(0) = 0, a(1) = 1,$

$a(2) = 1, a(3) = 9\}$

Sequence: A193663
Score: 3.3627
Type of gen. func.: ogf

$$-(27 f(x) - 5)$$

$$(f(x) x^4 + 7 f(x) x^3 - 6 f(x) x^2 - x^3 - 2 f(x) x + x^2 + f(x) - x)$$

Sequence: A193663
Score: 6.35689
Type of gen. func.: ogf

$$\frac{x (x^2 - x + 1)}{x^4 + 7 x^3 - 6 x^2 - 2 x + 1}$$

Sequence: A193663
Score: 6.49494
Type of gen. func.: lgdogf

$$- \frac{2 x^5 + 4 x^4 - 10 x^3 + 29 x^2 - 14 x - 1}{(x^2 - x + 1) (x^4 + 7 x^3 - 6 x^2 - 2 x + 1)}$$

Sequence: A193665
Score: 3.55643
Type of gen. func.: ogf

$$\{(-n^2 - 7 n - 12) a(n + 1) + (n^3 + 11 n^2 + 38 n + 40) a(n + 2)$$

$$+ (-n^2 - 5 n - 6) a(n + 3), a(0) = 1, a(1) = 6, a(2) = 33\}$$

Sequence: A193668
Score: 3.47240
Type of gen. func.: ogf

$$\{n^2 a(n) + (-2 n^2 - 8 n - 3) a(n + 1) + (n^2 + 9 n + 15) a(n + 2)$$

$$+ (-n - 3) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 5\}$$

Sequence: A193669
Score: 10.3824
Type of gen. func.: lgdogf

$$- \frac{4 x^{11} - 8 x^7 + 3 x^4 - 4 x^3 + 1}{(x - 1) (x + 1) (x^2 + 1) (x^2 - x + 1) (x^6 + x^5 - x^3 - x^2 + 1)}$$

Sequence: A193669
Score: 14.4187
Type of gen. func.: ogf

$$-\frac{(x-1)(x+1)(x^2+1)}{(x^2-x+1)(x^6+x^5-x^3-x^2+1)}$$

Sequence: A193680
Score: 11.2864
Type of gen. func.: ogf

$$-\frac{x(x^4+2x^3+2x+1)}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A193680
Score: 8.94962
Type of gen. func.: lgdogf

$$-\frac{2(x^9+3x^8+5x^6+3x^5+2x^3+3x^2+1)}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)(x^4+2x^3+2x+1)}$$

Sequence: A193682
Score: 10.7286
Type of gen. func.: ogf

$$-\frac{x(x^6+2x^5+3x^4+3x^2+2x+1)}{(x-1)(x+1)(x^2+1)(x^4+1)}$$

Sequence: A193683
Score: 23.7967
Type of gen. func.: lgdegf]

$$3 - \exp(x)$$

Sequence: A193683
Score: 85.7027
Type of gen. func.: lgdegf]

$$3 - \exp(x)$$

Sequence: A193684
Score: 25.2912
Type of gen. func.: lgdegf]

$$4 - \exp(x)$$

Sequence: A193684
Score: 91.7381
Type of gen. func.: lgdegf]

$$4 - \exp(x)$$

Sequence: A193690
Score: 10.2542
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^2}{(x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A193690
Score: 16.4169
Type of gen. func.: lgdogf

$$- \frac{2 (x - 1) (x^4 + x^3 + 3 x^2 + x + 1)}{(x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A193690
Score: 20.1848
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5 - x^3 - 2 x + 2]$$

Sequence: A193690
Score: 8.60406
Type of gen. func.: ogf

$$f(x) x^4 - x^4 + f(x) x^2 - 2 x^3 - 2 x^2 + f(x) - 2 x - 1$$

Sequence: A193695
Score: 8.39845
Type of gen. func.: ogf

$$-\frac{x^4 + 2 x^3 + 2 x^2 + x + 1}{x^5 + x^4 + x^2 + 2 x - 1}$$

Sequence: A193695
Score: 8.97947
Type of gen. func.: lgdogf

$$-\frac{x^8 + 4 x^7 + 8 x^6 + 6 x^5 + 3 x^2 + 6 x + 3}{(x^4 + 2 x^3 + 2 x^2 + x + 1) (x^5 + x^4 + x^2 + 2 x - 1)}$$

Sequence: A193703
Score: 5.95239
Type of gen. func.: ogf

$$-\frac{(4 x^4 - x^3 + 3 x^2 - x + 1) (x + 1)^2}{4 x^7 + 3 x^6 - x^4 + 2 x^3 + x^2 + 2 x - 1}$$

Sequence: A193744
Score: 15.8059
Type of gen. func.: ogf

$$-\frac{x^2 - 3}{(x - 1)(x^3 + x^2 - 1)}$$

Sequence: A193744
Score: 17.3634
Type of gen. func.: lgdogf

$$-\frac{2x^5 - 12x^3 + x^2 + 4x + 3}{(x - 1)(x^3 + x^2 - 1)(x^2 - 3)}$$

Sequence: A193744
Score: 7.76668
Type of gen. func.: ogf

$$-(253 f(x) + 3402)(f(x) x^4 - f(x) x^2 - f(x) x + x^2 + f(x) - 3)$$

Sequence: A193744
Score: 9.28799
Type of gen. func.: lgdogf

$$-\frac{2x^5 - 12x^3 + x^2 + 4x + 3}{x^6 - 4x^4 - x^3 + 4x^2 + 3x - 3}$$

Sequence: A193764
Score: 4.63082
Type of gen. func.: ogf

$$(x^{18} - 2x^{17} + x^{16} - x^{13} + 2x^{12} - 3x^{11} + 2x^{10} + x^9 - 2x^8 + 2x^6 - x^5 - 2x^4 - 2x^2 - 2x - 2) / ((x^4 + x^3 + x^2 + x + 1)(x - 1)^3)$$

Sequence: A193765
Score: 4.84621
Type of gen. func.: ogf

$$\left(x^{18} - 2x^{17} + x^{16} - x^{13} + 2x^{12} - 3x^{11} + 2x^{10} + x^{9} - 2x^{8} + x^{6} - 2x^{4} - 2x^{2} - x - 3\right) \Big/ \left((x^{4} + x^{3} + x^{2} + x + 1)(x - 1)^{3}\right)$$

Sequence: A193766
Score: 10.6242
Type of gen. func.: ogf

$$\frac{x^{4} + 2x^{3} + 2x^{2} + 2x + 2}{(x + 1)(x^{2} + 1)(x - 1)^{2}}$$

Sequence: A193766
Score: 9.00696
Type of gen. func.: lgdogf

$$-\frac{x^{7} + 5x^{6} + 9x^{5} + 13x^{4} + 20x^{3} + 12x^{2} + 8x + 4}{(x - 1)(x + 1)(x^{2} + 1)(x^{4} + 2x^{3} + 2x^{2} + 2x + 2)}$$

Sequence: A193767
Score: 7.52492
Type of gen. func.: ogf

$$-\frac{x^{10} - 2x^{9} + x^{8} + x^{7} - x^{6} - x^{5} + 2x^{4} - x^{3} - x - 2}{(x - 1)^{2}}$$

Sequence: A193768
Score: 7.49199
Type of gen. func.: ogf

$$\frac{x^{10} - 2x^{9} + x^{8} + x^{7} - x^{6} - x^{5} + 2x^{4} - x^{3} - x + 2}{(x - 1)^{2}}$$

Sequence: A193771
Score: 12.2398
Type of gen. func.: lgdogf

$$-\frac{6x^5 - 3x^2 - 1}{x^6 - x^3 - x + 1}$$

Sequence: A193771
Score: 22.4948
Type of gen. func.: ogf

$$\frac{1}{(x - 1)(x^2 + 1)(x^3 + x^2 - 1)}$$

Sequence: A193779
Score: 7.71309
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{13} - x^{12} - x^{10} - x^7 - x^6 - x^3 - x - 1}{x^{15} - 1}$$

Sequence: A193828
Score: 10.5130
Type of gen. func.: lgdogf

$$-\frac{3x^6 + 12x^5 - 14x^4 + 26x^3 + 5x^2 - 2x + 6}{(x - 1)(x^2 + 4x + 1)(x^2 - x + 1)(x^2 + 1)}$$

Sequence: A193828
Score: 7.26703
Type of gen. func.: ogf

$$-\frac{2x(x^2 + 4x + 1)(x^2 - x + 1)}{(x^2 + 1)^2 (x - 1)^3}$$

Sequence: A193832
Score: 8.53282
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^5-2x^4-x^3-x^2-2x-2}{x^5+x^4+x^3+x^2+x+1}$$

Sequence: A193863
Score: 12.5863
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^4-x^3-x+2}{-x^6-x^4-x^2-1}$$

Sequence: A193866
Score: 12.6784
Type of gen. func.: lgdogf

$$-\frac{2x^4+37x^3+35x^2+59x+11}{(x-1)(x+1)(x^3+12x^2+5x+6)}$$

Sequence: A193866
Score: 7.77100
Type of gen. func.: lgdogf

$$-\frac{-2x^4-37x^3-35x^2-59x-11}{-x^5-12x^4-4x^3+6x^2+5x+6}$$

Sequence: A193866
Score: 8.72079
Type of gen. func.: ogf

3   2

$$-\frac{x\,(x \;\; + 12\,x \;\; + 5\,x + 6)}{(x + 1)^{2}\,(x - 1)^{3}}$$

Sequence: A193867
Score: 11.7838
Type of gen. func.: lgdogf

$$-\frac{x^{5} + 13\,x^{4} + 16\,x^{3} + 44\,x^{2} + 15\,x + 7}{(x - 1)\,(x + 1)\,(x^{2} + 1)\,(x^{2} + 6\,x + 1)}$$

Sequence: A193867
Score: 8.52829
Type of gen. func.: ogf

$$-\frac{(x^{2} + 1)\,(x^{2} + 6\,x + 1)}{(x + 1)^{2}\,(x - 1)^{3}}$$

Sequence: A193868
Score: 12.0243
Type of gen. func.: lgdogf

$$-\frac{x^{5} + 3\,x^{4} + 17\,x^{3} + 11\,x^{2} + 14\,x + 2}{(x - 1)\,(x + 1)\,(x^{4} + x^{3} + 4\,x^{2} + x + 1)}$$

Sequence: A193868
Score: 8.56969
Type of gen. func.: ogf

$$-\frac{2\,(x^{4} + x^{3} + 4\,x^{2} + x + 1)}{(x + 1)^{2}\,(x - 1)^{3}}$$

Sequence: A193872
Score: 13.4066

```
Type of gen. func.: ogf

                                  4 x (7 x + 3)
                                - -------------
                                           3
                                    (x - 1)


------------------------------------------------------------------------------

Sequence:  A193872
Score: 15.8198
Type of gen. func.: lgdogf

                                   -14 x - 16
                               - ---------------
                                     2
                                 -7 x  + 4 x + 3


------------------------------------------------------------------------------

Sequence:  A193872
Score: 32.4937
Type of gen. func.: lgdogf

                                   2 (8 + 7 x)
                              - -----------------
                                (7 x + 3) (x - 1)


------------------------------------------------------------------------------

Sequence:  A193872
Score: 6.48353
Type of gen. func.: ogf

                               3           2                  2
 -(11175 f(x) - 142753) (f(x) x  - 3 f(x) x  + 3 f(x) x + 28 x  - f(x) + 12 x)


------------------------------------------------------------------------------

Sequence:  A193872
Score: 6.99991
Type of gen. func.: ogf

  {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 12, a(2) = 64}


------------------------------------------------------------------------------

Sequence:  A193879
Score: 5.57131
Type of gen. func.: ogf

      12    11      10    9       8    7      6    5      4      3      2
x (3 x   + x   + 3 x   + x  + 12 x  + x  + 3 x  + x  + 3 x  + 2 x  + 2 x  + 2 x

            /
```

$$+ 2) \;/\; ($$
$$/$$

$$(x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A193884
Score: 14.3937
Type of gen. func.: ogf

$$-\frac{(x - 1) (x + 1)}{x^4 - x + 1}$$

Sequence: A193884
Score: 17.5974
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 4 x^3 + x^2 - 2 x + 1}{(x - 1) (x + 1) (x^4 - x + 1)}$$

Sequence: A193884
Score: 7.58377
Type of gen. func.: ogf

$$-(f(x) + 4) (f(x) x^4 - f(x) x + x^2 + f(x) - 1)$$

Sequence: A193885
Score: 11.4477
Type of gen. func.: lgdogf

$$-\frac{x^6 - 4 x^5 + 5 x^4 - 2 x^3 - 2 x + 1}{(x - 1) (x^2 - x + 1) (x^4 - x^3 + 3 x^2 - 3 x + 1)}$$

Sequence: A193885
Score: 5.1855
Type of gen. func.: ogf

$-(f(x) - 3)$

$$(f(x)\, x^4 - f(x)\, x^3 + 3 f(x)\, x^2 + x^3 - 3 f(x)\, x - 2 x^2 + f(x) + 2 x - 1)$$

Sequence: A193885
Score: 9.49553
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^2 - x + 1)}{x^4 - x^3 + 3 x^2 - 3 x + 1}$$

Sequence: A193910
Score: 13.3958
Type of gen. func.: ogf

$$\frac{3 x^2 + 4 x + 2}{(x + 1) (x - 1)^2}$$

Sequence: A193910
Score: 16.6884
Type of gen. func.: lgdogf

$$-\frac{3 x^3 + 11 x^2 + 16 x + 6}{(x - 1) (x + 1) (3 x^2 + 4 x + 2)}$$

Sequence: A193910
Score: 6.98416
Type of gen. func.: ogf

$$(1467 f(x) - 2531) (f(x)\, x^3 - f(x)\, x^2 - f(x)\, x - 3 x^2 + f(x) - 4 x - 2)$$

Sequence: A193910
Score: 7.23138
Type of gen. func.: ogf

$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 2, a(1) = 6, a(2) = 11\}$

Sequence: A193910
Score: 9.96520
Type of gen. func.: lgdogf

$$-\frac{3 x^3 + 11 x^2 + 16 x + 6}{3 x^4 + 4 x^3 - x^2 - 4 x - 2}$$

Sequence: A193911
Score: 12.6229
Type of gen. func.: lgdogf

$$-\frac{(2 x^2 - 2 x - 3) (4 x^3 + x^2 - 2 x - 1)}{(x - 1) (x + 1) (2 x^2 - 1) (x^2 - x - 1)}$$

Sequence: A193911
Score: 9.67788
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{(x + 1) (2 x^2 - 1) (x - 1)^3}$$

Sequence: A193912
Score: 11.8900
Type of gen. func.: lgdogf

$$-\frac{10 x^5 - 6 x^4 - 23 x^3 - 3 x^2 + 10 x + 4}{(x - 1) (x + 1) (2 x^2 - 1) (x^2 - x - 1)}$$

Sequence: A193912
Score: 9.54333
Type of gen. func.: ogf

$$\frac{x^{2} - x - 1}{(x + 1)\,(2\,x^{2} - 1)\,(x - 1)^{4}}$$

Sequence: A193913
Score: 4.20209
Type of gen. func.: ogf

$$f(x)^{2}\,x^{4} - 13\,f(x)^{2}\,x^{3} + 44\,f(x)^{2}\,x^{2} + 4\,f(x)\,x^{3} - 13\,f(x)^{2}\,x - 26\,f(x)\,x^{2} + f(x)^{2} + 16\,f(x)\,x + 3\,x^{2} - 2\,f(x) - 3\,x + 1$$

Sequence: A193930
Score: 19.0614
Type of gen. func.: lgdegf]

$$4\,x^{3} + 3\,x^{2} + 2\,x + 1$$

Sequence: A193930
Score: 35.2806
Type of gen. func.: lgdegf]

$$4\,x^{3} + 3\,x^{2} + 2\,x + 1$$

Sequence: A193931
Score: 16.0172
Type of gen. func.: lgdegf]

$$5\,x^{4} + 4\,x^{3} + 3\,x^{2} + 2\,x + 1$$

Sequence: A193931
Score: 26.7388
Type of gen. func.: lgdegf]

$$5\,x^{4} + 4\,x^{3} + 3\,x^{2} + 2\,x + 1$$

Sequence: A193932
Score: 13.7313
Type of gen. func.: lgdegf]

$$6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1$$

Sequence: A193932
Score: 21.5216
Type of gen. func.: lgdegf]

$$6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1$$

Sequence: A193933
Score: 12.0550
Type of gen. func.: lgdegf]

$$7 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1$$

Sequence: A193933
Score: 18.0062
Type of gen. func.: lgdegf]

$$7 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1$$

Sequence: A193936
Score: 5.14909
Type of gen. func.: egf]

$$(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A193937
Score: 4.1227
Type of gen. func.: egf]

$$-(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A193941
Score: 14.6339
Type of gen. func.: lgdogf

$$-\frac{3x^8+6x^5-2x^3+3x^2+1}{(x+1)(x^2-x+1)(x^6+x-1)}$$

Sequence: A193941
Score: 16.4464
Type of gen. func.: ogf

$$-\frac{(x+1)(x^2-x+1)}{x^6+x-1}$$

Sequence: A193941
Score: 8.05876
Type of gen. func.: lgdogf

$$-\frac{-3x^8-6x^5+2x^3-3x^2-1}{-x^9-x^6-x^4+x^3-x+1}$$

Sequence: A193942
Score: 16.7700
Type of gen. func.: ogf

$$-\frac{x^4+1}{x^8+x-1}$$

Sequence: A193942
Score: 17.1441
Type of gen. func.: lgdogf

$$-\frac{4x^{11}+8x^7-3x^4+4x^3+1}{}$$

$$(x^8 + x - 1)(x^4 + 1)$$

Sequence: A193942
Score: 8.05618
Type of gen. func.: lgdogf

$$-\frac{4x^{11} + 8x^7 - 3x^4 + 4x^3 + 1}{x^{12} + x^8 + x^5 - x^4 + x - 1}$$

Sequence: A193981
Score: 13.1596
Type of gen. func.: lgdogf

$$-\frac{102x^3 + 179x^2 + 116x + 23}{(x - 1)(x + 1)(17x^2 + 11x + 2)}$$

Sequence: A193981
Score: 3.86848
Type of gen. func.: ogf

$$\{(n^3 + 6n^2 + 10n + 8)a(n + 1) + (6n^2 + 9n + 8)a(n + 2)$$

$$+ (-n^3 - n)a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 2\}$$

Sequence: A193981
Score: 6.79695
Type of gen. func.: ogf

$$-\frac{x^3(17x^2 + 11x + 2)}{(x + 1)(x - 1)^7}$$

Sequence: A193981
Score: 7.99202
Type of gen. func.: lgdogf

$$-\frac{102 x^{3} + 179 x^{2} + 116 x + 23}{17 x^{4} + 11 x^{3} - 15 x^{2} - 11 x - 2}$$

Sequence: A193982
Score: 4.17513
Type of gen. func.: ogf

$$-\frac{x^{5} (151 x^{4} + 279 x^{3} + 267 x^{2} + 125 x + 18)}{(x + 1)^{3} (x - 1)^{9}}$$

Sequence: A193982
Score: 7.29841
Type of gen. func.: lgdogf

$$-\frac{1208 x^{5} + 3417 x^{4} + 4948 x^{3} + 3814 x^{2} + 1500 x + 233}{(x - 1) (x + 1) (151 x^{4} + 279 x^{3} + 267 x^{2} + 125 x + 18)}$$

Sequence: A193989
Score: 11.6582
Type of gen. func.: lgdogf

$$\frac{25 x^{27} - 27 x^{26} - 23 x^{25} + 47 x^{24} - 24 x^{23} - 2}{(x - 1) (x^{27} - x^{25} + x^{24} + 1)}$$

Sequence: A193989
Score: 12.0760
Type of gen. func.: ogf

$$\frac{x^{27} - x^{25} + x^{24} + 1}{(x - 1)^{2}}$$

Sequence: A194006
Score: 12.1781
Type of gen. func.: lgdegf]

$$-4 \exp(2 x) + 3 \exp(3 x) + 2 \exp(x)$$

Sequence: A194006
Score: 21.6063
Type of gen. func.: lgdegf]

$$-4 \exp(2 x) + 3 \exp(3 x) + 2 \exp(x)$$

Sequence: A194019
Score: 18.6048
Type of gen. func.: lgdegf]

$$-\frac{x^2 + x + 1}{x - 1}$$

Sequence: A194019
Score: 4.72504
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) + (n + 3) a(n + 2) + (n + 4) a(n + 3) - a(n + 4),$$

$$a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 13\}$$

Sequence: A194019
Score: 55.0200
Type of gen. func.: lgdegf]

$$-\frac{x^2 + x + 1}{x - 1}$$

Sequence: A194021
Score: 4.08401
Type of gen. func.: ogf

$$x^2 (x^7 + 6 x^6 + 7 x^5 + 11 x^4 + 13 x^3 + 4 x^2 + 5 x + 1)$$

$$-\frac{\qquad}{(x^2+1)(x+1)^2(x^2+x+1)^2(x-1)^7}$$

Sequence: A194069
Score: 7.41027
Type of gen. func.: ogf

$$-\frac{x^4-x^3+2x^2+x+1}{(x^2+x+1)(x-1)^3}$$

Sequence: A194069
Score: 9.62629
Type of gen. func.: lgdogf

$$-\frac{(x+1)(x^5-x^4+7x^3+3x^2+5x+3)}{(x-1)(x^2+x+1)(x^4-x^3+2x^2+x+1)}$$

Sequence: A194073
Score: 11.1678
Type of gen. func.: ogf

$$-\frac{x^3-x^2+2x+1}{(x+1)(x-1)^3}$$

Sequence: A194073
Score: 16.4133
Type of gen. func.: lgdogf

$$-\frac{x^4+7x^2+6x+4}{(x-1)(x+1)(x^3-x^2+2x+1)}$$

Sequence: A194073
Score: 6.36843
Type of gen. func.: ogf

$$(34 f(x) - 49) (f(x) x^4 - 2 f(x) x^3 + x^3 + 2 f(x) x - x^2 - f(x) + 2 x + 1)$$

Sequence: A194073
Score: 8.75659
Type of gen. func.: lgdogf

$$-\frac{-x^4 - 7 x^2 - 6 x - 4}{-x^5 + x^4 - x^3 - 2 x^2 + 2 x + 1}$$

Sequence: A194082
Score: 4.69857
Type of gen. func.: ogf

$$- x (x^{14} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^5 + x^4 + x^3 + x^2 + x + 1) / ((x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^8 - x^7 + x^5 - x^4 + x^3 - x + 1) (x - 1)^3)$$

Sequence: A194130
Score: 4.39998
Type of gen. func.: egf]

$\{(-n - 5) a(n + 1) + (n + 2) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 1, a(3) = 4\}$

Sequence: A194130
Score: 7.44884
Type of gen. func.: lgdegf]

$$-\frac{2 (x^6 + 3 x^5 + 2 x^4 + 7 x^3 + 6 x^2 + x + 1)}{(x - 1) (x^2 + x + 1) (x^4 + 2 x^3 + x^2 + 2 x + 1)}$$

Sequence: A194130
Score: 7.71503

Type of gen. func.: egf]

$$\frac{x^{4}+2x^{3}+x^{2}+2x+1}{(x-1)^{2}\,(x^{2}+x+1)^{2}}$$

Sequence: A194142
Score: 4.43145
Type of gen. func.: ogf

$$-(2x^{14}+x^{13}+x^{12}+2x^{11}+x^{10}+x^{9}+x^{8}+2x^{7}+x^{6}+x^{5}+x^{4}+2x^{3}+x^{2}+x+1) \Big/ \left((x^{2}+x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{8}-x^{7}+x^{5}-x^{4}+x^{3}-x+1)\,(x-1)^{3}\right)$$

Sequence: A194197
Score: 5.76318
Type of gen. func.: ogf

$$\frac{3331x^{5}+161052x^{4}+578757x^{3}+317007x^{2}+19852x+1}{(x-1)^{6}}$$

Sequence: A194220
Score: 12.5145
Type of gen. func.: ogf

$$\frac{x^{2}\,(x^{4}+x^{3}+1)}{(x+1)\,(x^{2}+1)\,(x^{4}+1)\,(x-1)^{2}}$$

Sequence: A194221
Score: 9.35543
Type of gen. func.: ogf

$$-\frac{x^{2}\,(x^{4}+x^{3}+1)}{{}^{2}\qquad{}^{4}\qquad\qquad{}^{3}}$$

$$(x + 1) (x + 1) (x + 1) (x - 1)$$

Sequence: A194222
Score: 13.7453
Type of gen. func.: lgdogf

$$-\frac{5 x^5 + 7 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A194222
Score: 14.1117
Type of gen. func.: ogf

$$\frac{(x + 1) x^2}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A194222
Score: 29.5894
Type of gen. func.: ogf_with_Euler_transform]

$$[x^4 - x + 2]$$

Sequence: A194222
Score: 9.78198
Type of gen. func.: lgdogf

$$-\frac{5 x^5 + 7 x^4 + 2 x^3 + 2 x^2 + 2 x + 2}{x^6 + x^5 - x - 1}$$

Sequence: A194223
Score: 9.83089
Type of gen. func.: ogf

$$\frac{x^2 (x^8 + x^7 + x^5 + x^2 + 1)}{}$$

$$(x + 1) (x^4 - x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2$$

Sequence: A194224
Score: 7.70105
Type of gen. func.: ogf

$$- \frac{x^2 (x^8 + x^7 + x^5 + x^2 + 1)}{(x + 1) (x^4 - x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^3}$$

Sequence: A194225
Score: 12.3508
Type of gen. func.: ogf

$$\frac{x^3 (x^2 + x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A194225
Score: 25.7428
Type of gen. func.: ogf_with_Euler_transform]

$$[x^6 - x^2 + 2]$$

Sequence: A194225
Score: 9.11722
Type of gen. func.: lgdogf

$$- \frac{6 x^8 + 8 x^7 + 10 x^6 + 3 x^5 + 3 x^4 + 3 x^3 + 3 x^2 + 4 x + 2}{(x - 1) (x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A194226
Score: 24.2741
Type of gen. func.: ogf_with_Euler_transform]

$$[x^6 - x^2 + 3]$$

Sequence: A194226
Score: 8.51621
Type of gen. func.: lgdogf

$$-\frac{7 x^{8} + 10 x^{7} + 13 x^{6} + 6 x^{5} + 6 x^{4} + 6 x^{3} + 6 x^{2} + 6 x + 3}{(x - 1) (x^{2} + x + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A194226
Score: 9.46549
Type of gen. func.: ogf

$$-\frac{x^{3} (x^{2} + x + 1)}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{3}}$$

Sequence: A194227
Score: 12.4756
Type of gen. func.: ogf

$$\frac{x^{2} (x^{3} + x^{2} + 1)}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A194228
Score: 9.60819
Type of gen. func.: ogf

$$-\frac{x^{2} (x^{3} + x^{2} + 1)}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{3}}$$

Sequence: A194229
Score: 10.1326
Type of gen. func.: ogf

$${}^{2} \qquad\qquad {}^{2}$$

$$-\frac{x (x + x + 1) (x - x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A194229
Score: 24.7620
Type of gen. func.: ogf_with_Euler_transform]

$$x^6 - x^5 + x + 2$$

Sequence: A194235
Score: 8.04499
Type of gen. func.: ogf

$$\frac{x^3 (x^{11} + x^{10} + x^9 + x^7 + x^3 + x^2 + 1)}{(x + 1) (x^2 + 1) (x^4 + 1) (x^8 + 1) (x - 1)^2}$$

Sequence: A194236
Score: 6.48844
Type of gen. func.: ogf

$$-\frac{x^3 (x^{11} + x^{10} + x^9 + x^7 + x^3 + x^2 + 1)}{(x + 1) (x^2 + 1) (x^4 + 1) (x^8 + 1) (x - 1)^3}$$

Sequence: A194237
Score: 8.52375
Type of gen. func.: ogf

$$\frac{x (x^{13} + x^{11} + x^{10} + x^8 + x^5 + x^3 + 1)}{(x + 1) (x^2 + 1) (x^4 + 1) (x^8 + 1) (x - 1)^2}$$

Sequence: A194238
Score: 6.89697
Type of gen. func.: ogf

$$-\frac{x\,(x^{13}+x^{11}+x^{10}+x^{8}+x^{5}+x^{3}+1)}{(x+1)\,(x^{2}+1)\,(x^{4}+1)\,(x^{8}+1)\,(x-1)^{3}}$$

Sequence: A194268
Score: 11.6155
Type of gen. func.: lgdogf

$$-\frac{2\,x^{2}+30\,x+16}{2\,x^{3}+11\,x^{2}-12\,x-1}$$

Sequence: A194268
Score: 12.7395
Type of gen. func.: ogf

$$-\frac{2\,x^{2}+13\,x+1}{(x-1)^{3}}$$

Sequence: A194268
Score: 21.5224
Type of gen. func.: lgdogf

$$-\frac{2\,(x^{2}+15\,x+8)}{(x-1)\,(2\,x^{2}+13\,x+1)}$$

Sequence: A194268
Score: 6.42156
Type of gen. func.: ogf

$$(606976\,f(x)-4824991)$$

$$(f(x)\,x^{3}-3\,f(x)\,x^{2}+3\,f(x)\,x+2\,x^{2}-f(x)+13\,x+1)$$

Sequence: A194268
Score: 6.92853

Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 16, a(2) = 47}

Sequence: A194272
Score: 12.6413
Type of gen. func.: lgdogf

$$-\frac{5 x^{3} - 3 x^{2} + 2}{x^{4} - x^{3} + x - 1}$$

Sequence: A194272
Score: 16.2191
Type of gen. func.: ogf

$$\frac{1}{(x + 1) (x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A194272
Score: 22.1712
Type of gen. func.: lgdogf

$$-\frac{5 x^{3} - 3 x^{2} + 2}{(x - 1) (x + 1) (x^{2} - x + 1)}$$

Sequence: A194272
Score: 29.5448
Type of gen. func.: ogf_with_Euler_transform]

$$x^{5} - x^{2} + 2$$

Sequence: A194273
Score: 11.9577
Type of gen. func.: lgdogf

3   2

$$-\frac{-6 x + 3 x - 3}{-x^{4} + x^{3} - x + 1}$$

Sequence: A194273
Score: 13.3299
Type of gen. func.: ogf

$$-\frac{x}{(x + 1) (x^{2} - x + 1) (x - 1)^{3}}$$

Sequence: A194273
Score: 20.5396
Type of gen. func.: lgdogf

$$-\frac{3 (2 x^{3} - x^{2} + 1)}{(x - 1) (x + 1) (x^{2} - x + 1)}$$

Sequence: A194273
Score: 27.9131
Type of gen. func.: ogf_with_Euler_transform]

$$x^{5} - x^{2} + 3$$

Sequence: A194274
Score: 11.1494
Type of gen. func.: ogf

$$-\frac{x (x + 1)}{(x^{2} + 1) (x - 1)^{3}}$$

Sequence: A194274
Score: 14.5341
Type of gen. func.: lgdogf

$$-4 x^{3} - 4 x^{2} - 4$$

```
                               - ----------------
                                       4
                                     -x  + 1



------------------------------------------------------------------------------

Sequence:  A194274
Score: 23.5882
Type of gen. func.: lgdogf


                                     3    2
                                 4 (x  + x  + 1)
                           - ------------------------
                                               2
                             (x - 1) (x + 1) (x  + 1)



------------------------------------------------------------------------------

Sequence:  A194274
Score: 27.9312
Type of gen. func.: ogf_with_Euler_transform]


                                   3
                                 [x  - 2 x + 4]



------------------------------------------------------------------------------

Sequence:  A194275
Score: 10.0966
Type of gen. func.: ogf


                                    2
                                x (x  + 3 x + 1)
                            - ---------------------
                                2                 3
                              (x  + x + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A194275
Score: 14.1408
Type of gen. func.: lgdogf


                            4       3       2
                         3 x  + 14 x  + 13 x  + 10 x + 5
                     - -----------------------------------
                                 2            2
                       (x - 1) (x  + x + 1) (x  + 3 x + 1)



------------------------------------------------------------------------------

Sequence:  A194275
Score: 8.26082
Type of gen. func.: lgdogf


                            4       3       2
```

$$-\frac{3 x + 14 x + 13 x + 10 x + 5}{x^5 + 3 x^4 + x^3 - x^2 - 3 x - 1}$$

Sequence: A194349
Score: 5.65549
Type of gen. func.: egf]

$$-2 f(x)^2 x^4 + 3 f(x)^2 x^2 - 4 f(x) x^3 - f(x)^2 + 4 f(x) x - 2 x^2 + 1$$

Sequence: A194350
Score: 10.6960
Type of gen. func.: ogf

$$-\frac{5 x^3 + 2 x^2 + x + 1}{10 x^4 - 1}$$

Sequence: A194350
Score: 7.21357
Type of gen. func.: ogf

$$(80 f(x) - 59) (10 f(x) x^4 + 5 x^3 + 2 x^2 - f(x) + x + 1)$$

Sequence: A194350
Score: 8.42367
Type of gen. func.: lgdogf

$$-\frac{50 x^6 + 40 x^5 + 30 x^4 + 40 x^3 + 15 x^2 + 4 x + 1}{(5 x^3 + 2 x^2 + x + 1) (10 x^4 - 1)}$$

Sequence: A194353
Score: 27.2961
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{1}{{}^{1/2}}$$

$$(1 - 4 x)$$

Sequence: A194372
Score: 6.51959
Type of gen. func.: ogf

$$\frac{2 (x + 1) (x^9 + x^8 + x^7 + x^6 + x^4 + x^2 + 1)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A194374
Score: 3.58549
Type of gen. func.: ogf

$$\frac{4 (14 x^4 + x^3 + x^2 + x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A194379
Score: 5.82083
Type of gen. func.: ogf

$$\frac{2 (x^{11} + x^{10} + x^9 + 3 x^8 + x^7 + x^6 + x^5 + x^4 + 6 x^3 + x^2 + 6 x + 1)}{(x + 1) (x^4 - x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A194385
Score: 3.60807
Type of gen. func.: ogf

$$\frac{6 (32 x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A194386
Score: 5.81830
Type of gen. func.: ogf

$$-\frac{x^{31}-x^{30}+x^{26}-x^{25}+x^{21}-x^{20}+x^{16}-x^{15}+x^{11}-x^{10}+x^{6}-x^{5}-1}{(x-1)^{2}}$$

Sequence: A194388
Score: 7.46243
Type of gen. func.: ogf

$$\frac{2\,(2x^{8}+x^{7}+x^{6}+2x^{5}+x^{4}+x^{3}+5x^{2}+x+1)}{(x^{2}+x+1)\,(x^{6}+x^{3}+1)\,(x-1)^{2}}$$

Sequence: A194390
Score: 6.75401
Type of gen. func.: ogf

$$\frac{2\,(8x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)}{(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)\,(x-1)^{2}}$$

Sequence: A194391
Score: 7.54284
Type of gen. func.: ogf

$$\frac{(x+1)\,(x^{14}-x^{13}+x^{12}-x^{11}+x^{10}-x^{9}+x^{8}+1)}{(x^{2}+x+1)\,(x^{12}-x^{11}+x^{9}-x^{8}+x^{6}-x^{4}+x^{3}-x+1)\,(x-1)^{2}}$$

Sequence: A194408
Score: 9.50833
Type of gen. func.: lgdogf

$$\frac{8x^{10}-17x^{9}+9x^{8}+9x^{5}-21x^{4}+12x^{3}-11x+13}{(x-1)\,(x^{10}-x^{9}+3x^{5}-3x^{4}+5x^{2}+x-7)}$$

Sequence: A194408

Score: 9.92502
Type of gen. func.: ogf

$$-\frac{x^{10} - x^{9} + 3 x^{5} - 3 x^{4} + 5 x^{2} + x - 7}{(x - 1)^{2}}$$

Sequence: A194431
Score: 11.6708
Type of gen. func.: lgdogf

$$-\frac{-x^{2} + 30 x + 19}{-x^{3} + 17 x^{2} - 15 x - 1}$$

Sequence: A194431
Score: 12.8002
Type of gen. func.: ogf

$$\frac{x^{2} - 16 x - 1}{(x - 1)^{3}}$$

Sequence: A194431
Score: 22.8991
Type of gen. func.: lgdogf

$$-\frac{x^{2} - 30 x - 19}{(x - 1) (x^{2} - 16 x - 1)}$$

Sequence: A194431
Score: 6.55879
Type of gen. func.: ogf

$$(22880 f(x) - 243761) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x - x^{2} - f(x) + 16 x + 1)$$

Sequence: A194431
Score: 6.96152
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 19, a(2) = 53\}$$

Sequence: A194454
Score: 11.0869
Type of gen. func.: lgdogf

$$-\frac{11 x^2 + 46 x + 15}{11 x^3 + x^2 - 11 x - 1}$$

Sequence: A194454
Score: 12.1428
Type of gen. func.: ogf

$$-\frac{(x + 1) (11 x + 1)}{(x - 1)^3}$$

Sequence: A194454
Score: 19.7406
Type of gen. func.: lgdogf

$$-\frac{11 x^2 + 46 x + 15}{(x - 1) (11 x + 1) (x + 1)}$$

Sequence: A194454
Score: 6.37497
Type of gen. func.: ogf

$$(9288 f(x) - 76225) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 11 x^2 - f(x) + 12 x + 1)$$

Sequence: A194454
Score: 6.71048
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 15, a(2) = 53}

Sequence: A194455
Score: 11.5903
Type of gen. func.: ogf

$$\frac{3 x^2 + 2 x - 2}{(-1 + 2 x) (x - 1)^2}$$

Sequence: A194455
Score: 13.3298
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^3 + 7 x^2 - 10 x + 3)}{(x - 1) (-1 + 2 x) (3 x^2 + 2 x - 2)}$$

Sequence: A194455
Score: 6.14791
Type of gen. func.: ogf

$$(69 f(x) - 2309) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x - 3 x^2 - f(x) - 2 x + 2)$$

Sequence: A194455
Score: 6.25673
Type of gen. func.: ogf

{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 2, a(1) = 6, a(2) = 11}

Sequence: A194455
Score: 8.62209
Type of gen. func.: lgdogf

$$- \frac{6 x^3 + 14 x^2 - 20 x + 6}{6 x^4 - 5 x^3 - 7 x^2 + 8 x - 2}$$

Sequence: A194460
Score: 3.44904
Type of gen. func.: ogf

$$\{(-16 n^2 - 72 n - 80) a(n + 1) + (8 n^2 + 38 n + 36) a(n + 2) + (-n^2 - 5 n - 4) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 18\}$$

Sequence: A194460
Score: 3.67354
Type of gen. func.: ogf

$$64 f(x)^2 x^4 - 48 f(x)^2 x^3 + 12 f(x)^2 x^2 + 64 f(x) x^3 - f(x)^2 x - 64 f(x) x^2 + 20 f(x) x + 16 x^2 - 2 f(x) - 11 x + 2$$

Sequence: A194475
Score: 13.4058
Type of gen. func.: lgdogf

$$- \frac{12 x^3 - 26 x^2 - 74 x - 17}{(x - 1) (3 x^3 - 7 x^2 - 10 x - 1)}$$

Sequence: A194475
Score: 3.62770
Type of gen. func.: ogf

$$\{(-40 n^2 + 54 n + 856) a(n + 1) + (473 n^2 + 3987 n + 10042) a(n + 2) + (-433 n^2 - 1683 n - 1634) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 17\}$$

Sequence: A194475
Score: 6.43093
Type of gen. func.: ogf

$$x (3 x^3 - 7 x^2 - 10 x - 1)$$

$$(x - 1)^7$$

Sequence: A194475
Score: 8.32238
Type of gen. func.: lgdogf

$$- \frac{-12 x^3 + 26 x^2 + 74 x + 17}{-3 x^4 + 10 x^3 + 3 x^2 - 9 x - 1}$$

Sequence: A194476
Score: 10.7143
Type of gen. func.: lgdogf

$$- \frac{5 x^4 + 58 x^3 - 134 x^2 - 206 x - 38}{(x - 1) (x^4 + 9 x^3 - 23 x^2 - 20 x - 2)}$$

Sequence: A194476
Score: 4.88260
Type of gen. func.: ogf

$$\frac{3 x^2 (x^4 + 9 x^3 - 23 x^2 - 20 x - 2)}{(x - 1)^9}$$

Sequence: A194476
Score: 6.76052
Type of gen. func.: lgdogf

$$- \frac{5 x^4 + 58 x^3 - 134 x^2 - 206 x - 38}{x^5 + 8 x^4 - 32 x^3 + 3 x^2 + 18 x + 2}$$

Sequence: A194477
Score: 3.76883
Type of gen. func.: ogf

$$- \frac{3 x^3 (9 x^5 - 51 x^4 - 54 x^3 + 238 x^2 + 160 x + 13)}{(x - 1)^{11}}$$

Sequence: A194477
Score: 7.71084
Type of gen. func.: lgdogf

$$- \frac{3 (18 x^5 - 104 x^4 - 212 x^3 + 660 x^2 + 692 x + 101)}{(x - 1) (9 x^5 - 51 x^4 - 54 x^3 + 238 x^2 + 160 x + 13)}$$

Sequence: A194481
Score: 11.3402
Type of gen. func.: lgdogf

$$- \frac{5 x^4 - 14 x^3 + 47 x^2 + 208 x + 69}{(x - 1) (x^4 - 3 x^3 + 8 x^2 + 24 x + 5)}$$

Sequence: A194481
Score: 4.92888
Type of gen. func.: ogf

$$- \frac{3 x^2 (x^4 - 3 x^3 + 8 x^2 + 24 x + 5)}{(x - 1)^9}$$

Sequence: A194481
Score: 6.82461
Type of gen. func.: lgdogf

$$- \frac{5 x^4 - 14 x^3 + 47 x^2 + 208 x + 69}{x^5 - 4 x^4 + 11 x^3 + 16 x^2 - 19 x - 5}$$

Sequence: A194482
Score: 3.48852
Type of gen. func.: ogf

$$-\frac{3 x^2 (x^6 + 11 x^5 - 31 x^4 + 85 x^3 + 191 x^2 + 56 x + 2)}{(x - 1)^{11}}$$

Sequence: A194482
Score: 6.80279
Type of gen. func.: lgdogf

$$-\frac{5 x^6 + 72 x^5 - 162 x^4 + 556 x^3 + 1974 x^2 + 942 x + 78}{(x - 1) (x^6 + 11 x^5 - 31 x^4 + 85 x^3 + 191 x^2 + 56 x + 2)}$$

Sequence: A194486
Score: 12.6723
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 4 x^3 - 12 x^2 + 4 x - 13}{(x - 1) (2 x^4 - 2 x^3 - 2 x^2 + 2 x - 3)}$$

Sequence: A194486
Score: 7.91921
Type of gen. func.: ogf

$$\frac{x (2 x^4 - 2 x^3 - 2 x^2 + 2 x - 3)}{(x - 1)^5}$$

Sequence: A194486
Score: 8.71113
Type of gen. func.: lgdogf

$$-\frac{-2 x^4 - 4 x^3 + 12 x^2 - 4 x + 13}{-2 x^5 + 4 x^4 - 4 x^2 + 5 x - 3}$$

Sequence: A194487
Score: 4.27155
Type of gen. func.: ogf

$$-\frac{x\,(4x^9-12x^8+22x^7-40x^6+50x^5-50x^4+36x^3-x^2+5x+1)}{(x-1)^7}$$

Sequence: A194493
Score: 4.80187
Type of gen. func.: ogf

$$-\frac{2x^4\,(18x^5+40x^4+51x^3+42x^2+23x+6)}{(x^2+x+1)\,(x+1)^3\,(x-1)^7}$$

Sequence: A194508
Score: 11.4460
Type of gen. func.: ogf

$$-\frac{x^4-2x^3+x^2-2x+1}{(x^4+x^3+x^2+x+1)\,(x-1)^2}$$

Sequence: A194508
Score: 9.13476
Type of gen. func.: lgdogf

$$-\frac{2x^8-5x^7+3x^6-10x^5+4x^4+2x^3-6x^2+x-1}{(x-1)\,(x^4+x^3+x^2+x+1)\,(x^4-2x^3+x^2-2x+1)}$$

Sequence: A194509
Score: 10.3873
Type of gen. func.: lgdogf

$$2x\,(x^7-x^6+2x^5-2x^4+3x^3+2x^2-x+1)$$

$$-\frac{}{(x-1)\,(x^4+x^3+x^2+x+1)\,(x^4-x^3+x^2-x+1)}$$

Sequence: A194509
Score: 11.4460
Type of gen. func.: ogf

$$\frac{x^4-x^3+x^2-x+1}{(x^4+x^3+x^2+x+1)\,(x-1)^2}$$

Sequence: A194509
Score: 30.3066
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9+2\,x^4+x$$

Sequence: A194510
Score: 9.82126
Type of gen. func.: ogf

$$-\frac{2\,x^6-3\,x^5+2\,x^4-3\,x^3+2\,x^2+2\,x-3}{(x^6+x^5+x^4+x^3+x^2+x+1)\,(x-1)^2}$$

Sequence: A194511
Score: 9.55646
Type of gen. func.: ogf

$$\frac{(x^3-x^2+1)\,(x^3+x-1)}{(x^6+x^5+x^4+x^3+x^2+x+1)\,(x-1)^2}$$

Sequence: A194512
Score: 8.50919
Type of gen. func.: ogf

8 7 6 5 4 3 2

$$-\frac{3 x - 4 x + 3 x - 4 x + 3 x + 3 x - 4 x + 3 x - 4}{(x^2 + x + 1)(x^6 + x^3 + 1)(x - 1)^2}$$

Sequence: A194513
Score: 8.27606
Type of gen. func.: ogf

$$\frac{x^8 - x^7 + x^6 - x^5 + x^4 + x^3 - x^2 + x - 1}{(x^2 + x + 1)(x^6 + x^3 + 1)(x - 1)^2}$$

Sequence: A194514
Score: 10.0403
Type of gen. func.: ogf

$$-\frac{x^6 - 3 x^5 + x^4 + x^3 + x^2 - 3 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A194515
Score: 9.70126
Type of gen. func.: ogf

$$\frac{x^6 - 2 x^5 + x^4 + x^3 + x^2 - 2 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A194516
Score: 9.55864
Type of gen. func.: ogf

$$\frac{2 x^7 - 3 x^6 + 2 x^5 - 3 x^4 + 2 x^3 + 2 x^2 - 3 x + 2}{(x + 1)(x^2 + 1)(x^4 + 1)(x - 1)^2}$$

Sequence: A194517
Score: 9.17654

Type of gen. func.: ogf

$$-\frac{(x^3+x-1)\,(x^4-2\,x^3+x-1)}{(x+1)\,(x^2+1)\,(x^4+1)\,(x-1)^2}$$

Sequence: A194518
Score: 7.61782
Type of gen. func.: ogf

$$-\frac{2\,x^9+2\,x^8-5\,x^7+2\,x^6+2\,x^5-5\,x^4+2\,x^3+2\,x^2-5\,x+2}{(x+1)\,(x^4+x^3+x^2+x+1)\,(x^4-x^3+x^2-x+1)\,(x-1)^2}$$

Sequence: A194519
Score: 7.77848
Type of gen. func.: ogf

$$\frac{x^9+x^8-2\,x^7+x^6+x^5-2\,x^4+x^3+x^2-2\,x+1}{(x+1)\,(x^4+x^3+x^2+x+1)\,(x^4-x^3+x^2-x+1)\,(x-1)^2}$$

Sequence: A194520
Score: 6.76629
Type of gen. func.: ogf

$$-\frac{3\,x^{10}-x^9-3\,x^8+5\,x^7-3\,x^6-3\,x^5+5\,x^4-3\,x^3-3\,x^2+5\,x-3}{(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)\,(x-1)^2}$$

Sequence: A194521
Score: 6.81087
Type of gen. func.: ogf

$$\frac{2\,x^{10}-x^9-x^8-2\,x^7+3\,x^6-x^5+2\,x^4-x^3-x^2+2\,x-1}{(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)\,(x-1)^2}$$

Sequence: A194522
Score: 8.42330
Type of gen. func.: ogf

$$-\frac{x^{8}+x^{7}-4x^{6}+x^{5}+x^{4}+x^{3}-4x^{2}+x+1}{(x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2}}$$

Sequence: A194523
Score: 8.54778
Type of gen. func.: ogf

$$\frac{(x^{2}-x+1)(x^{6}+2x^{5}-2x^{4}-3x^{3}+2x+1)}{(x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2}}$$

Sequence: A194524
Score: 7.00870
Type of gen. func.: ogf

$$\frac{2x^{10}-5x^{9}+2x^{8}+2x^{7}+2x^{6}-5x^{5}+2x^{4}+2x^{3}-5x^{2}+2x+2}{(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A194525
Score: 6.48020
Type of gen. func.: ogf

$$-\frac{x^{10}-3x^{9}+x^{8}+x^{7}+x^{6}-3x^{5}+x^{4}+x^{3}-3x^{2}+x+1}{(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A194526
Score: 6.43007
Type of gen. func.: ogf

```
   11      10    9      8    7    6    5    4    3      2
2 x   - 3 x   - x  + 5 x  - x  - x  - x  - x  - x  + 5 x  - x - 1
-----------------------------------------------------------------
   10    9    8    7    6    5    4    3    2                2
```

$$(x + x + x + x + x + x + x + x + x + x + 1) (x - 1)$$

Sequence: A194527
Score: 6.85734
Type of gen. func.: ogf

$$- \frac{x^{11} - 2 x^{10} - x^{9} + 4 x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} + 4 x^{2} - x - 1}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A194585
Score: 4.44105
Type of gen. func.: ogf

$$(22304702690034765 f(x) + 697382482405987775662)$$

$$(f(x) x^{3} - f(x) x^{2} - f(x) x - 2200 x^{2} + f(x) - 25646 x - 2184)$$

Sequence: A194585
Score: 5.66867
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 2184, a(1) = 27830, a(2) = 32214$$

$$\}$$

Sequence: A194585
Score: 9.62875
Type of gen. func.: lgdogf

$$- \frac{1100 x^{3} + 26746 x^{2} + 18299 x + 13915}{(x - 1) (x + 1) (1100 x^{2} + 12823 x + 1092)}$$

Sequence: A194585
Score: 9.82037
Type of gen. func.: ogf

$$\frac{2 (1100 x^{2} + 12823 x + 1092)}{}$$

$$(x + 1) (x - 1)^{2}$$

Sequence: A194589
Score: 5.23164
Type of gen. func.: ogf

$$3 f(x)^{2} x^{4} + 8 f(x)^{2} x^{3} + 6 f(x)^{2} x^{2} + 3 f(x) x^{3} + 5 f(x) x^{2} - f(x)^{2} + f(x) x + x^{2} - f(x)$$

Sequence: A194589
Score: 7.08651
Type of gen. func.: lgdogf

$$\frac{I}{x (3 x - 1)^{1/2} (x + 1)^{1/2}} - \frac{9 x^{2} + 2 x - 1}{(3 x - 1) (x + 1) x}$$

Sequence: A194590
Score: 3.74626
Type of gen. func.: ogf

$$\{(24 + 8 n) a(n + 1) + (4 n + 12) a(n + 2) + (-2 n - 8) a(n + 3) + (-n - 4) a(n + 4), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = -2\}$$

Sequence: A194590
Score: 4.86269
Type of gen. func.: ogf

$$-16 f(x)^{2} x^{4} - 16 f(x)^{2} x^{3} - 8 f(x) x^{3} + 4 f(x)^{2} x - 4 f(x) x^{2} + f(x)^{2} + 2 f(x) x - x^{2} + f(x)$$

Sequence: A194597
Score: 8.14913
Type of gen. func.: ogf

8 7 6 5 4 3 2

$$-\frac{9 x + 3 x + x + 3 x + 9 x + x + 6 x + 6 x + 1}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A194599
Score: 9.36384
Type of gen. func.: ogf

$$-\frac{3 x^8 + x^6 + 6 x^5 + 5 x^4 + 8 x^3 + 5 x^2 + 6 x + 1}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A194605
Score: 4.36924
Type of gen. func.: ogf

$$\frac{8 x^3 (x^6 + 30 x^5 - 75 x^4 - 335 x^3 - 750 x^2 - 1131 x - 260)}{(x - 1)^9}$$

Sequence: A194628
Score: 9.63574
Type of gen. func.: ogf

$$\frac{x^{13} + x^8 + x^7 - x^6 - x^2 - x + 1}{3 x^7 - x^6 - 2 x + 1}$$

Sequence: A194629
Score: 8.57757
Type of gen. func.: ogf

$$\frac{x^{15} + x^9 + x^8 - x^7 - x^2 - x + 1}{3 x^8 - x^7 - 2 x + 1}$$

Sequence: A194630
Score: 8.60045

Type of gen. func.: ogf

$$\frac{x^{17} + x^{10} + x^{9} - x^{8} - x^{2} - x + 1}{3 x^{9} - x^{8} - 2 x + 1}$$

Sequence: A194633
Score: 6.69707
Type of gen. func.: ogf

$$(x^{2} + x - 1) (x^{13} - x^{12} - x^{2} - x + 1) \Big/ ((x - 1) (3 x^{13} + x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} - x^{2} - 2 x + 1))$$

Sequence: A194641
Score: 8.03620
Type of gen. func.: ogf

$$-\frac{9 x^{8} + 4 x^{7} + 4 x^{6} + 9 x^{5} + x^{4} + 7 x^{3} + 9 x^{2} + 7 x + 1}{(x - 1) (x^{2} + x + 1) (x^{6} + x^{3} + 1)}$$

Sequence: A194642
Score: 5.51019
Type of gen. func.: ogf

$$- (4 x^{13} + 3 x^{12} + 7 x^{11} + 6 x^{10} + 5 x^{8} - 5 x^{6} + 5 x^{4} + 4 x^{3} + 8 x^{2} + 7 x + 1) \Big/ ((x - 1) (x^{2} + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{8} - x^{6} + x^{4} - x^{2} + 1))$$

Sequence: A194644
Score: 10.9861
Type of gen. func.: lgdogf

$$-\frac{27 x^{4} - 120 x^{3} + 200 x^{2} - 102 x + 16}{{}^{2} \qquad\qquad {}^{2}}$$

$$(3 x - 1) (x - 3 x + 1) (9 x - 20 x + 6)$$

Sequence: A194644
Score: 11.8650
Type of gen. func.: ogf

$$-\frac{2 (9 x^2 - 20 x + 6)}{(3 x - 1) (x^2 - 3 x + 1)}$$

Sequence: A194644
Score: 6.21956
Type of gen. func.: ogf

$$-(215 f(x) - 6513)$$

$$(3 f(x) x^3 - 10 f(x) x^2 + 6 f(x) x + 18 x^2 - f(x) - 40 x + 12)$$

Sequence: A194644
Score: 6.64851
Type of gen. func.: ogf

{-a(n + 3) + 6 a(n + 2) - 10 a(n + 1) + 3 a(n), a(0) = 12, a(1) = 32, a(2) = 90

}

Sequence: A194644
Score: 6.88596
Type of gen. func.: lgdogf

$$-\frac{-27 x^4 + 120 x^3 - 200 x^2 + 102 x - 16}{-27 x^5 + 150 x^4 - 272 x^3 + 189 x^2 - 56 x + 6}$$

Sequence: A194645
Score: 6.82693
Type of gen. func.: ogf

$$-\frac{4 (84 x^4 - 234 x^3 + 210 x^2 - 71 x + 8)}{}$$

$$(x - 1) (3 x - 1) (4 x - 1) (2 x^2 - 4 x + 1)$$

Sequence: A194650
Score: 11.7687
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^4 - 11 x^3 + 24 x^2 - 11 x - 34)}{(x - 1) (4 x^4 - 19 x^3 + 35 x^2 - 23 x - 9)}$$

Sequence: A194650
Score: 7.61835
Type of gen. func.: ogf

$$\frac{x^2 (4 x^4 - 19 x^3 + 35 x^2 - 23 x - 9)}{(x - 1)^5}$$

Sequence: A194650
Score: 7.76486
Type of gen. func.: lgdogf

$$- \frac{-4 x^4 + 22 x^3 - 48 x^2 + 22 x + 68}{-4 x^5 + 23 x^4 - 54 x^3 + 58 x^2 - 14 x - 9}$$

Sequence: A194651
Score: 5.12778
Type of gen. func.: ogf

$$- \frac{x^3 (15 x^6 - 89 x^5 + 196 x^4 - 140 x^3 - 119 x^2 + 169 x + 88)}{(x - 1)^7}$$

Sequence: A194652
Score: 3.73464
Type of gen. func.: ogf

$$x^3 (54 x^9 - 384 x^8 + 1052 x^7 - 1263 x^6 + 657 x^5 - 1434 x^4 + 4154 x^3 - 3567 x^2 - 917 x - 32) / (x - 1)^9$$

Sequence: A194698
Score: 16.2561
Type of gen. func.: ogf

$$x^{12} / ((x + 1) (x^2 + 1) (x^8 - x^4 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x^4 + 1) (x - 1)^2)$$

Sequence: A194713
Score: 13.1924
Type of gen. func.: ogf

$$- \frac{13 x (3 x + 1)}{(x - 1)^3}$$

Sequence: A194713
Score: 16.2157
Type of gen. func.: lgdogf

$$- \frac{-6 x - 6}{-3 x^2 + 2 x + 1}$$

Sequence: A194713
Score: 34.8767
Type of gen. func.: lgdogf

$$- \frac{6 (x + 1)}{(3 x + 1) (x - 1)}$$

Sequence: A194713
Score: 6.48628

Type of gen. func.: ogf

$$-(1072 f(x) - 17745) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 39 x^2 - f(x) + 13 x)$$

Sequence: A194713
Score: 6.88809
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 13, a(2) = 78\}$$

Sequence: A194715
Score: 10.9951
Type of gen. func.: ogf

$$f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 15 x$$

Sequence: A194715
Score: 18.6438
Type of gen. func.: ogf

$$-\frac{15 x}{(x - 1)^3}$$

Sequence: A194715
Score: 30.6291
Type of gen. func.: lgdogf

$$\frac{3}{-x + 1}$$

Sequence: A194715
Score: 65.5917
Type of gen. func.: ogf_with_Euler_transform]

[3]

Sequence: A194715
Score: 7.58951
Type of gen. func.: ogf

$$\{a(n+3) - 3 a(n+2) + 3 a(n+1) - a(n), a(0) = 0, a(1) = 15, a(2) = 45\}$$

Sequence: A194716
Score: 14.8525
Type of gen. func.: lgdogf

$$-\frac{5 x^3 + 109 x^2 + 187 x + 35}{(x - 1) (5 x^3 + 47 x^2 + 31 x + 1)}$$

Sequence: A194716
Score: 4.56007
Type of gen. func.: ogf

$$\{(-9791 n^2 - 3871 n) a(n) + (15354 n^2 - 1464 n + 62510) a(n + 1) + (-5563 n^2 - 7349 n - 1786) a(n + 2), a(0) = 0, a(1) = 1\}$$

Sequence: A194716
Score: 5.01895
Type of gen. func.: ogf

$$-(895482 f(x) + 10550791) (f(x) x^4 - 4 f(x) x^3 - 5 x^4 + 6 f(x) x^2 - 47 x^3 - 4 f(x) x - 31 x^2 + f(x) - x)$$

Sequence: A194716
Score: 9.06833
Type of gen. func.: lgdogf

$$-\frac{5 x^3 + 109 x^2 + 187 x + 35}{5 x^4 + 42 x^3 - 16 x^2 - 30 x - 1}$$

Sequence: A194716
Score: 9.61461
Type of gen. func.: ogf

$$\frac{x\,(5\,x^3 + 47\,x^2 + 31\,x + 1)}{(x - 1)^4}$$

Sequence: A194717
Score: 10.6283
Type of gen. func.: lgdogf

$$-\frac{2\,(7\,x^4 + 339\,x^3 + 1308\,x^2 + 803\,x + 63)}{(x - 1)\,(14\,x^4 + 311\,x^3 + 561\,x^2 + 121\,x + 1)}$$

Sequence: A194717
Score: 6.96135
Type of gen. func.: lgdogf

$$-\frac{-14\,x^4 - 678\,x^3 - 2616\,x^2 - 1606\,x - 126}{-14\,x^5 - 297\,x^4 - 250\,x^3 + 440\,x^2 + 120\,x + 1}$$

Sequence: A194717
Score: 7.61808
Type of gen. func.: ogf

$$-\frac{x\,(14\,x^4 + 311\,x^3 + 561\,x^2 + 121\,x + 1)}{(x - 1)^5}$$

Sequence: A194718
Score: 6.11771
Type of gen. func.: ogf

$$\frac{x\,(42\,x^5 + 2055\,x^4 + 8102\,x^3 + 5184\,x^2 + 456\,x + 1)}{(x - 1)^6}$$

Sequence: A194718
Score: 8.05282
Type of gen. func.: lgdogf

$$-\frac{6\,(7\,x^5 + 720\,x^4 + 5421\,x^3 + 7507\,x^2 + 2108\,x + 77)}{(x - 1)\,(42\,x^5 + 2055\,x^4 + 8102\,x^3 + 5184\,x^2 + 456\,x + 1)}$$

Sequence: A194719
Score: 4.89022
Type of gen. func.: ogf

$$-\frac{x\,(132\,x^6 + 13665\,x^5 + 104077\,x^4 + 146714\,x^3 + 42582\,x^2 + 1709\,x + 1)}{(x - 1)^7}$$

Sequence: A194720
Score: 3.90626
Type of gen. func.: ogf

$$x\,(429\,x^7 + 91803\,x^6 + 1251089\,x^5 + 3329195\,x^4 + 2198375\,x^3 + 329881\,x^2 + 6427\,x + 1) \Big/ (x - 1)^8$$

Sequence: A194721
Score: 3.44101
Type of gen. func.: ogf

$$- x\,(1430\,x^8 + 624055\,x^7 + 14462017\,x^6 + 66140687\,x^5 + 82769773\,x^4 + 29532493\,x^3 + 2481083\,x^2 + 24301\,x + 1) \Big/ (x - 1)^9$$

Sequence: A194723
Score: 13.0645
Type of gen. func.: lgdogf

$$-\frac{6 I x - I + (-1 + 8 x)^{1/2}}{2 (9 x - 1) (-1 + 8 x)^{1/2} x}$$

Sequence: A194723
Score: 3.30888
Type of gen. func.: ogf

$$\{(432 n^2 + 216 n) a(n) + (-174 n^2 - 384 n - 216) a(n + 1) + (23 n^2 + 85 n + 78) a(n + 2) + (-n^2 - 5 n - 6) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 5\}$$

Sequence: A194723
Score: 9.70308
Type of gen. func.: ogf

$$-9 f(x)^2 x + f(x)^2 + 12 f(x) x - f(x) - 4 x$$

Sequence: A194724
Score: 3.40015
Type of gen. func.: ogf

$$\{(-1536 n^2 - 768 n) a(n) + (416 n^2 + 976 n + 576) a(n + 1) + (-36 n^2 - 138 n - 132) a(n + 2) + (n^2 + 5 n + 6) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 7\}$$

Sequence: A194724
Score: 9.97376
Type of gen. func.: ogf

$$-16 f(x)^2 x + f(x)^2 + 24 f(x) x - f(x) - 9 x$$

Sequence: A194725
Score: 3.34487
Type of gen. func.: ogf

$$\{(4000 n^2 + 2000 n) a(n) + (-810 n^2 - 1980 n - 1200) a(n + 1) + (51 n^2 + 201 n + 198) a(n + 2) + (-n^2 - 5 n - 6) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 9\}$$

Sequence: A194725
Score: 9.81458
Type of gen. func.: ogf

$$-25 f(x)^2 x + f(x)^2 + 40 f(x) x - f(x) - 16 x$$

Sequence: A194726
Score: 3.16882
Type of gen. func.: ogf

$$\{(-8640 n^2 - 4320 n) a(n) + (1392 n^2 + 3504 n + 2160) a(n + 1) + (-68 n^2 - 274 n - 276) a(n + 2) + (n^2 + 5 n + 6) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 11\}$$

Sequence: A194726
Score: 9.38137
Type of gen. func.: ogf

$$-36 f(x)^2 x + f(x)^2 + 60 f(x) x - f(x) - 25 x$$

Sequence: A194727
Score: 2.97050
Type of gen. func.: ogf

$$\{(-16464 n^2 - 8232 n) a(n) + (2198 n^2 + 5656 n + 3528) a(n + 1) + (-87 n^2 - 357 n - 366) a(n + 2) + (n^2 + 5 n + 6) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 13\}$$

Sequence: A194727
Score: 8.83332
Type of gen. func.: ogf

$$-49 f(x)^{2} x + f(x)^{2} + 84 f(x) x - f(x) - 36 x$$

Sequence: A194728
Score: 3.06067
Type of gen. func.: ogf

$$\{(28672 n^{2} + 14336 n) a(n) + (-3264 n^{2} - 8544 n - 5376) a(n + 1) + (108 n^{2} + 450 n + 468) a(n + 2) + (-n^{2} - 5 n - 6) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 15\}$$

Sequence: A194728
Score: 9.06275
Type of gen. func.: ogf

$$-64 f(x)^{2} x + f(x)^{2} + 112 f(x) x - f(x) - 49 x$$

Sequence: A194729
Score: 3.15017
Type of gen. func.: ogf

$$\{(-46656 n^{2} - 23328 n) a(n) + (4626 n^{2} + 12276 n + 7776) a(n + 1) + (-131 n^{2} - 553 n - 582) a(n + 2) + (n^{2} + 5 n + 6) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 17\}$$

Sequence: A194729
Score: 9.36867
Type of gen. func.: ogf

$$-81 f(x)^{2} x + f(x)^{2} + 144 f(x) x - f(x) - 64 x$$

Sequence: A194730
Score: 8.33761
Type of gen. func.: ogf

$$-100 f(x)^2 x + f(x)^2 + 180 f(x) x - f(x) - 81 x$$

Sequence: A194731
Score: 8.03620
Type of gen. func.: ogf

$$-\frac{9 x^8 + 5 x^7 + 7 x^6 + 6 x^5 + 2 x^4 + 4 x^3 + 3 x^2 + 8 x + 1}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A194732
Score: 7.81986
Type of gen. func.: ogf

$$-\frac{5 x^8 + 6 x^7 + 3 x^6 + 6 x^5 + 5 x^4 + x^2 + 8 x + 1}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A194754
Score: 5.83205
Type of gen. func.: ogf

$$- (x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 - 7 x^6 - 6 x^5 - 5 x^4 - 4 x^3 - 3 x^2 - 2 x - 1) / ((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A194755
Score: 8.32179
Type of gen. func.: ogf

$$\frac{x^7 (x^6 + 2 x^5 + 3 x^4 + 4 x^3 + 5 x^2 + 6 x + 7)}{(x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2}$$

Sequence: A194756
Score: 6.18534
Type of gen. func.: ogf

$$\frac{x^{12} + 2 x^{11} + 3 x^{10} + 4 x^{9} + 5 x^{8} + 6 x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1}{(x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2}}$$

Sequence: A194757
Score: 9.69781
Type of gen. func.: ogf

$$\frac{x (6 x^{5} + 5 x^{4} + 4 x^{3} + 3 x^{2} + 2 x + 1)}{(x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2}}$$

Sequence: A194767
Score: 4.55933
Type of gen. func.: ogf

$$- \frac{2 (x^{6} + 3 x^{5} + 2 x^{4} + 7 x^{3} + 6 x^{2} + x + 1)}{(x - 1)^{3} (x^{2} + x + 1)^{3}}$$

Sequence: A194770
Score: 11.3008
Type of gen. func.: lgdegf]

$$- \frac{2 x + 1}{x^{2} + x + 1}$$

Sequence: A194770
Score: 16.4376
Type of gen. func.: egf]

$$\frac{1}{x^{2} + x + 1}$$

Sequence: A194770
Score: 3.84709
Type of gen. func.: ogf

$$\{(-n^2 - 5 n - 6) a(n + 1) + (-n - 3) a(n + 2) - a(n + 3), a(0) = 1, a(1) = -1, a(2) = 0\}$$

Sequence: A194770
Score: 32.0517
Type of gen. func.: lgdegf]

$$-\frac{2 x + 1}{x^2 + x + 1}$$

Sequence: A194770
Score: 6.38165
Type of gen. func.: egf]

$$-(f(x) - 2) (f(x) x^2 + f(x) x + f(x) - 1)$$

Sequence: A194772
Score: 6.98687
Type of gen. func.: lgdogf

$$-\frac{24 x^6 + 4 x^5 - 50 x^4 - 17 x^3 + 57 x^2 + 3 x - 17}{(x - 1) (-1 + 2 x) (x + 1) (12 x^4 + 4 x^3 - 17 x^2 - 4 x + 7)}$$

Sequence: A194772
Score: 7.62193
Type of gen. func.: ogf

$$-\frac{12 x^4 + 4 x^3 - 17 x^2 - 4 x + 7}{(x - 1) (-1 + 2 x)^2 (x + 1)^2}$$

Sequence: A194773
Score: 3.83732
Type of gen. func.: ogf

$$-\frac{153 x^{8} + 318 x^{7} - 310 x^{6} - 706 x^{5} + 303 x^{4} + 486 x^{3} - 174 x^{2} - 110 x + 43}{(x - 1) (3 x^{2} + x - 1)^{2} (x^{2} + x - 1)^{2}}$$

Sequence: A194825
Score: 8.03620
Type of gen. func.: ogf

$$-\frac{9 x^{8} + 6 x^{7} + x^{6} + 3 x^{5} + 3 x^{4} + x^{3} + 6 x^{2} + 9 x + 1}{(x - 1) (x^{2} + x + 1) (x^{6} + x^{3} + 1)}$$

Sequence: A194826
Score: 5.51019
Type of gen. func.: ogf

$$- (6 x^{13} + 9 x^{12} + 9 x^{11} + 6 x^{10} - 5 x^{8} - 5 x^{6} + 5 x^{4} + 6 x^{3} + 4 x^{2} + 9 x + 1) \Big/ ((x - 1) (x^{2} + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{8} - x^{6} + x^{4} - x^{2} + 1))$$

Sequence: A194880
Score: 11.2721
Type of gen. func.: lgdogf

$$-\frac{x^{7} - 3 x^{5} - 11 x^{4} - 5 x^{3} - 15 x^{2} - 8 x - 1}{(x - 1) (x^{2} + x + 1) (x^{6} + x^{5} - 3 x^{3} - 4 x^{2} - x - 1)}$$

Sequence: A194880
Score: 5.21950
Type of gen. func.: ogf

{(-n - 4) a(n) + (n + 1) a(n + 3), a(0) = 0, a(1) = -1, a(2) = -1, a(3) = -4,

a(4) = -5}

Sequence: A194880
Score: 8.04418
Type of gen. func.: ogf

$$\frac{x (x^6 + x^5 - 3 x^3 - 4 x^2 - x - 1)}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A194886
Score: 7.48710
Type of gen. func.: ogf

$$- \frac{7 x^8 + 2 x^7 + 5 x^6 + 6 x^5 + 5 x^4 + 2 x^3 + 7 x^2 + 1}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A194888
Score: 7.16684
Type of gen. func.: ogf

$$\frac{192 x^5 - 80 x^4 - 96 x^3 - 6 x^2 + 3 x - 1}{(4 x - 1) (-1 + 2 x) (8 x^2 - 1)}$$

Sequence: A194932
Score: 12.4002
Type of gen. func.: ogf

$$\frac{2 x^3 + 16 x^2 + 89 x + 64}{(x - 1)^2}$$

Sequence: A194932
Score: 14.6900
Type of gen. func.: lgdogf

$$\frac{2 x^3 - 6 x^2 - 121 x - 217}{(x - 1) (2 x^3 + 16 x^2 + 89 x + 64)}$$

Sequence: A194932
Score: 6.34891
Type of gen. func.: ogf

$$-(854391069 f(x) - 7282983128) (f(x) x^2 - 2 x^3 - 2 f(x) x - 16 x^2 + f(x) - 89 x - 64)$$

Sequence: A194932
Score: 6.55879
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) + a(n + 2), a(0) = 64, a(1) = 217, a(2) = 386, a(3) = 557\}$$

Sequence: A194932
Score: 9.01833
Type of gen. func.: lgdogf

$$- \frac{-2 x^3 + 6 x^2 + 121 x + 217}{2 x^4 + 14 x^3 + 73 x^2 - 25 x - 64}$$

Sequence: A194933
Score: 7.67680
Type of gen. func.: lgdogf

$$\frac{6 x^5 + 54 x^4 + 176 x^3 - 912 x^2 - 7329 x - 5873}{(x - 1) (2 x^5 + 32 x^4 + 304 x^3 + 1752 x^2 + 3825 x + 1024)}$$

Sequence: A194933
Score: 8.17758
Type of gen. func.: ogf

$$\frac{2 x^{5} + 32 x^{4} + 304 x^{3} + 1752 x^{2} + 3825 x + 1024}{(x - 1)^{2}}$$

Sequence: A194934
Score: 5.64668
Type of gen. func.: ogf

$$(2 x^{7} + 64 x^{6} + 1008 x^{5} + 9052 x^{4} + 60956 x^{3} + 226904 x^{2} + 278555 x + 32768) / (x - 1)^{2}$$

Sequence: A194935
Score: 3.75605
Type of gen. func.: ogf

$$(2 x^{9} + 128 x^{8} + 3556 x^{7} + 53564 x^{6} + 523996 x^{5} + 3770536 x^{4} + 18911836 x^{3} + 51826628 x^{2} + 39142705 x + 2097152) / (x - 1)^{2}$$

Sequence: A194952
Score: 4.48699
Type of gen. func.: ogf

$$- \frac{6 (48 x^{5} - 34 x^{4} - 65 x^{3} + 32 x^{2} + 19 x - 8)}{(x - 1) (3 x - 1) (2 x + 1) (x + 1) (-1 + 2 x)^{2}}$$

Sequence: A194960
Score: 12.5379
Type of gen. func.: ogf

$$- \frac{2 x^{3} - x^{2} - x - 1}{(x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A194960
Score: 16.6255
Type of gen. func.: lgdogf

$$-\frac{2\,(x^5 - x^3 - 2\,x - 1)}{(x - 1)\,(x^2 + x + 1)\,(2\,x^3 - x^2 - x - 1)}$$

Sequence: A194960
Score: 5.27511
Type of gen. func.: ogf

$\{(n + 8)\, a(n + 1) + a(n + 2) + a(n + 3) + (-n - 7)\, a(n + 4),\ a(0) = 1,\ a(1) = 2,$
$a(2) = 3,\ a(3) = 2\}$

Sequence: A194960
Score: 7.20931
Type of gen. func.: ogf

$$(4\,f(x) + 27)\,(f(x)\,x^4 - f(x)\,x^3 + 2\,x^3 - f(x)\,x - x^2 + f(x) - x - 1)$$

Sequence: A194960
Score: 9.01165
Type of gen. func.: lgdogf

$$-\frac{2\,x^5 - 2\,x^3 - 4\,x - 2}{2\,x^6 - x^5 - x^4 - 3\,x^3 + x^2 + x + 1}$$

Sequence: A194990
Score: 7.89595
Type of gen. func.: ogf

$$-(x^{17} - x^{16} - x^{14} - x^{11} - x^8 - x^5 - x^2 - 1) \Big/ ((x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2)$$

Sequence: A194999
Score: 10.3600
Type of gen. func.: lgdogf

$$-\frac{x^3 - 3 x^2 - 12 x - 10}{-x^4 - x^3 - 6 x^2 + 7 x + 1}$$

Sequence: A194999
Score: 13.7019
Type of gen. func.: ogf

$$\frac{2 (x^3 + 2 x^2 + 8 x + 1)}{(x - 1)^2}$$

Sequence: A194999
Score: 18.9480
Type of gen. func.: lgdogf

$$\frac{x^3 - 3 x^2 - 12 x - 10}{(x - 1) (x^3 + 2 x^2 + 8 x + 1)}$$

Sequence: A194999
Score: 7.26083
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) + a(n + 2), a(0) = 2, a(1) = 20, a(2) = 42, a(3) = 66\}$$

Sequence: A194999
Score: 7.58498
Type of gen. func.: ogf

$$-(1116 f(x) + 1579) (f(x) x^2 - 2 x^3 - 2 f(x) x - 4 x^2 + f(x) - 16 x - 2)$$

Sequence: A195000

Score: 10.1227
Type of gen. func.: ogf

$$\frac{2 (x^5 + 2 x^4 + 21 x^3 + 45 x^2 + 38 x + 1)}{(x - 1)^2}$$

Sequence: A195000
Score: 10.7389
Type of gen. func.: lgdogf

$$\frac{3 x^5 - x^4 + 13 x^3 - 63 x^2 - 128 x - 40}{(x - 1) (x^5 + 2 x^4 + 21 x^3 + 45 x^2 + 38 x + 1)}$$

Sequence: A195001
Score: 7.30620
Type of gen. func.: ogf

$$\frac{2 (x^7 + 2 x^6 + 39 x^5 + 84 x^4 + 493 x^3 + 570 x^2 + 286 x + 1)}{(x - 1)^2}$$

Sequence: A195002
Score: 5.62506
Type of gen. func.: ogf

$$2 (x^9 + 2 x^8 + 73 x^7 + 152 x^6 + 1545 x^5 + 3985 x^4 + 11769 x^3 + 10914 x^2 + 2302 x + 1) / (x - 1)^2$$

Sequence: A195003
Score: 4.16677
Type of gen. func.: ogf

$$2 (x^{11} + 2 x^{10} + 139 x^9 + 284 x^8 + 5063 x^7 + 11198 x^6 + 83846 x^5 + 168940 x^4 + 423351 x^3 + 251057 x^2 + 34814 x + 1) / (x - 1)^2$$

Sequence: A195013
Score: 13.2519
Type of gen. func.: lgdogf

$$-\frac{9 x^2 + 8 x + 3}{3 x^3 + 2 x^2 - 3 x - 2}$$

Sequence: A195013
Score: 17.3086
Type of gen. func.: ogf

$$\frac{3 x + 2}{(x - 1)^2 (x + 1)^2}$$

Sequence: A195013
Score: 24.4483
Type of gen. func.: lgdogf

$$-\frac{9 x^2 + 8 x + 3}{(x - 1) (3 x + 2) (x + 1)}$$

Sequence: A195013
Score: 4.28344
Type of gen. func.: ogf

$$\{(-2 n - 8) a(n + 4) + (-6 - 3 n) a(n + 3) + (12 + 2 n) a(n + 2)$$
$$+ (12 + 3 n) a(n + 1), a(0) = 2, a(1) = 3, a(2) = 4, a(3) = 6\}$$

Sequence: A195013
Score: 9.74852
Type of gen. func.: ogf

$$(35 f(x) - 74) (f(x) x^4 - 2 f(x) x^2 + f(x) - 3 x - 2)$$

Sequence: A195014
Score: 11.1501
Type of gen. func.: ogf

$$-\frac{x (3 x + 2)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A195014
Score: 12.3327
Type of gen. func.: lgdogf

$$-\frac{-12 x^2 - 13 x - 5}{-3 x^3 - 2 x^2 + 3 x + 2}$$

Sequence: A195014
Score: 22.2806
Type of gen. func.: lgdogf

$$-\frac{12 x^2 + 13 x + 5}{(x - 1) (3 x + 2) (x + 1)}$$

Sequence: A195014
Score: 4.13175
Type of gen. func.: ogf

$$\{(2 n + 6) a(n + 4) + (1 + 3 n) a(n + 3) + (-15 - 2 n) a(n + 2)$$
$$+ (-12 - 3 n) a(n + 1), a(0) = 0, a(1) = 2, a(2) = 5, a(3) = 9\}$$

Sequence: A195015
Score: 11.4200
Type of gen. func.: lgdogf

$$-\frac{-12 x^2 - 12 x - 6}{-4 x^3 - x^2 + 4 x + 1}$$

Sequence: A195015
Score: 13.2231
Type of gen. func.: ogf

$$-\frac{2 x (4 x + 1)}{(x + 1) (x - 1)^{3}}$$

Sequence: A195015
Score: 20.6194
Type of gen. func.: lgdogf

$$-\frac{6 (2 x^{2} + 2 x + 1)}{(x - 1) (4 x + 1) (x + 1)}$$

Sequence: A195015
Score: 6.61157
Type of gen. func.: ogf

$$(9475 f(x) - 65918) (f(x) x^{4} - 2 f(x) x^{3} + 2 f(x) x + 8 x^{2} - f(x) + 2 x)$$

Sequence: A195016
Score: 11.4777
Type of gen. func.: lgdogf

$$-\frac{-9 x^{2} - 34 x - 17}{-3 x^{3} - 7 x^{2} + 3 x + 7}$$

Sequence: A195016
Score: 13.2899
Type of gen. func.: ogf

$$-\frac{x (3 x + 7)}{(x + 1) (x - 1)^{3}}$$

Sequence: A195016
Score: 20.7251
Type of gen. func.: lgdogf

$$-\frac{9x^2+34x+17}{(x-1)(3x+7)(x+1)}$$

Sequence: A195016
Score: 6.41971
Type of gen. func.: ogf

$$(492200 f(x) - 4457541) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x + 3 x^2 - f(x) + 7 x)$$

Sequence: A195018
Score: 13.2107
Type of gen. func.: ogf

$$-\frac{x(13x+7)}{(x-1)^3}$$

Sequence: A195018
Score: 15.0240
Type of gen. func.: lgdogf

$$-\frac{-26x-34}{-13x^2+6x+7}$$

Sequence: A195018
Score: 27.9633
Type of gen. func.: lgdogf

$$-\frac{2(17+13x)}{(13x+7)(x-1)}$$

Sequence: A195018
Score: 6.43884
Type of gen. func.: ogf

$$(762800 f(x) - 4914027) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 13 x^2 - f(x) + 7 x)$$

Sequence: A195018
Score: 6.84127
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 7, a(2) = 34\}$$

Sequence: A195019
Score: 12.4766
Type of gen. func.: lgdogf

$$-\frac{12 x^2 + 12 x + 4}{4 x^3 + 3 x^2 - 4 x - 3}$$

Sequence: A195019
Score: 16.8053
Type of gen. func.: ogf

$$\frac{4 x + 3}{(x - 1)^2 (x + 1)^2}$$

Sequence: A195019
Score: 22.4117
Type of gen. func.: lgdogf

$$-\frac{4 (3 x^2 + 3 x + 1)}{(x - 1) (4 x + 3) (x + 1)}$$

Sequence: A195019
Score: 9.35749
Type of gen. func.: ogf

$$(63 f(x) - 227) (f(x) x^4 - 2 f(x) x^2 + f(x) - 4 x - 3)$$

Sequence: A195020
Score: 10.7158
Type of gen. func.: ogf

$$-\frac{x (4 x + 3)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A195020
Score: 11.8524
Type of gen. func.: lgdogf

$$-\frac{-16 x^2 - 19 x - 7}{-4 x^3 - 3 x^2 + 4 x + 3}$$

Sequence: A195020
Score: 21.4050
Type of gen. func.: lgdogf

$$-\frac{16 x^2 + 19 x + 7}{(x - 1) (4 x + 3) (x + 1)}$$

Sequence: A195020
Score: 3.95079
Type of gen. func.: ogf

{(9 + 3 n) a(n + 4) + (1 + 4 n) a(n + 3) + (-22 - 3 n) a(n + 2)

+ (-16 - 4 n) a(n + 1), a(0) = 0, a(1) = 3, a(2) = 7, a(3) = 13}

Sequence: A195021
Score: 13.5974
Type of gen. func.: ogf

$$-\frac{x (25 x + 3)}{(x - 1)^3}$$

Sequence: A195021
Score: 15.1663
Type of gen. func.: lgdogf

$$-\frac{-50 x - 34}{-25 x^2 + 22 x + 3}$$

Sequence: A195021
Score: 28.7939
Type of gen. func.: lgdogf

$$-\frac{2 (17 + 25 x)}{(25 x + 3) (x - 1)}$$

Sequence: A195021
Score: 6.51775
Type of gen. func.: ogf

$$(2128560 f(x) - 19275583) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 25 x^2 - f(x) + 3 x)$$

Sequence: A195021
Score: 7.04150
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 3, a(2) = 34\}$$

Sequence: A195023
Score: 13.0919
Type of gen. func.: ogf

$$-\frac{2 x (9 x + 5)}{(x - 1)^3}$$

Sequence: A195023
Score: 15.4485
Type of gen. func.: lgdogf

$$-\frac{-18x-24}{-9x^2+4x+5}$$

Sequence: A195023
Score: 31.7201
Type of gen. func.: lgdogf

$$-\frac{6(4+3x)}{(9x+5)(x-1)}$$

Sequence: A195023
Score: 6.54596
Type of gen. func.: ogf

$$(92414 f(x) - 834879) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 18 x^2 - f(x) + 10 x)$$

Sequence: A195023
Score: 6.83560
Type of gen. func.: ogf

$$\{a(n+3) - 3 a(n+2) + 3 a(n+1) - a(n), a(0) = 0, a(1) = 10, a(2) = 48\}$$

Sequence: A195024
Score: 13.0919
Type of gen. func.: ogf

$$-\frac{x(15x+13)}{(x-1)^3}$$

Sequence: A195024
Score: 14.8543
Type of gen. func.: lgdogf

$$-\frac{30x+54}{15x^2-2x-13}$$

Sequence: A195024
Score: 29.2801
Type of gen. func.: lgdogf

```
                                   6 (9 + 5 x)
                             - -------------------
                               (15 x + 13) (x - 1)
```

Sequence: A195024
Score: 6.33134
Type of gen. func.: ogf

```
(3382960 f(x) - 31804233)

           3           2                  2
    (f(x) x  - 3 f(x) x  + 3 f(x) x + 15 x  - f(x) + 13 x)
```

Sequence: A195024
Score: 6.83560
Type of gen. func.: ogf

```
  {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 13, a(2) = 54}
```

Sequence: A195025
Score: 13.0919
Type of gen. func.: ogf

```
                                  x (11 x + 17)
                                - -------------
                                           3
                                    (x - 1)
```

Sequence: A195025
Score: 14.8543
Type of gen. func.: lgdogf

```
                                    22 x + 62
                               - ----------------
                                     2
                                 11 x  + 6 x - 17
```

Sequence: A195025
Score: 27.1886
Type of gen. func.: lgdogf

$$-\frac{2\,(31 + 11\,x)}{(11\,x + 17)\,(x - 1)}$$

Sequence: A195025
Score: 6.33134
Type of gen. func.: ogf

$$(4016432\,f(x) - 41613885)$$

$$(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 11\,x^2 - f(x) + 17\,x)$$

Sequence: A195025
Score: 6.83560
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 0,\ a(1) = 17,\ a(2) = 62\}$$

Sequence: A195026
Score: 14.2666
Type of gen. func.: ogf

$$-\frac{7\,x\,(x + 3)}{(x - 1)^3}$$

Sequence: A195026
Score: 16.8870
Type of gen. func.: lgdogf

$$-\frac{2\,x + 10}{x^2 + 2\,x - 3}$$

Sequence: A195026
Score: 38.0641
Type of gen. func.: lgdogf

$$-\frac{2\,(5 + x)}{(x + 3)\,(x - 1)}$$

Sequence: A195026
Score: 6.95348
Type of gen. func.: ogf

$$-(1968 f(x) - 23569) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 7 x^{2} - f(x) + 21 x)$$

Sequence: A195026
Score: 7.32269
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 21, a(2) = 70\}$$

Sequence: A195027
Score: 13.3176
Type of gen. func.: ogf

$$- \frac{4 x (x + 6)}{(x - 1)^{3}}$$

Sequence: A195027
Score: 15.7637
Type of gen. func.: lgdogf

$$- \frac{2 x + 19}{x^{2} + 5 x - 6}$$

Sequence: A195027
Score: 36.2515
Type of gen. func.: lgdogf

$$- \frac{2 x + 19}{(x + 6) (x - 1)}$$

Sequence: A195027
Score: 6.60191

Type of gen. func.: ogf

$$(20727 f(x) - 283972) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) + 24 x)$$

Sequence: A195027
Score: 6.83560
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 24, a(2) = 76\}$$

Sequence: A195028
Score: 13.3817
Type of gen. func.: ogf

$$- \frac{x (x + 27)}{(x - 1)^3}$$

Sequence: A195028
Score: 15.2184
Type of gen. func.: lgdogf

$$- \frac{2 x + 82}{x^2 + 26 x - 27}$$

Sequence: A195028
Score: 34.7725
Type of gen. func.: lgdogf

$$- \frac{2 (41 + x)}{(x + 27) (x - 1)}$$

Sequence: A195028
Score: 6.41435
Type of gen. func.: ogf

$$(5929392 f(x) - 94469815) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 27 x)$$

Sequence: A195028
Score: 6.86846
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 0,\ a(1) = 27,\ a(2) = 82\}$$

Sequence: A195029
Score: 11.4684
Type of gen. func.: lgdogf

$$-\frac{4\,x^2 + 50\,x + 30}{4\,x^3 + 17\,x^2 - 18\,x - 3}$$

Sequence: A195029
Score: 12.5782
Type of gen. func.: ogf

$$-\frac{4\,x^2 + 21\,x + 3}{(x-1)^3}$$

Sequence: A195029
Score: 19.6153
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^2 + 25\,x + 15)}{(x-1)\,(4\,x^2 + 21\,x + 3)}$$

Sequence: A195029
Score: 6.2388
Type of gen. func.: ogf

$$(1159536\,f(x) - 15616283)$$

$$(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 4\,x^2 - f(x) + 21\,x + 3)$$

Sequence: A195029
Score: 6.84079
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3, a(1) = 30, a(2) = 85\}$$

Sequence: A195030
Score: 10.9946
Type of gen. func.: ogf

$$\frac{x (2 x^4 - 30 x^3 + x - 1)}{(x - 1)^3}$$

Sequence: A195030
Score: 16.3724
Type of gen. func.: lgdogf

$$\frac{2 (x^4 - 4 x^3 + 45 x^2 - x + 1)}{(x - 1) (2 x^4 - 30 x^3 + x - 1)}$$

Sequence: A195030
Score: 8.21819
Type of gen. func.: lgdogf

$$- \frac{2 x^4 - 8 x^3 + 90 x^2 - 2 x + 2}{-2 x^5 + 32 x^4 - 30 x^3 - x^2 + 2 x - 1}$$

Sequence: A195031
Score: 12.1813
Type of gen. func.: lgdogf

$$- \frac{-36 x^2 - 20 x - 12}{-12 x^3 - 5 x^2 + 12 x + 5}$$

Sequence: A195031
Score: 16.8102
Type of gen. func.: ogf

$$\frac{12 x + 5}{(x - 1)^2 (x + 1)^2}$$

Sequence: A195031
Score: 22.2775
Type of gen. func.: lgdogf

$$-\frac{4 (9 x^2 + 5 x + 3)}{(12 x + 5) (x - 1) (x + 1)}$$

Sequence: A195031
Score: 4.10005
Type of gen. func.: ogf

{(-5 n - 20) a(n + 4) + (-24 - 12 n) a(n + 3) + (30 + 5 n) a(n + 2)

+ (48 + 12 n) a(n + 1), a(0) = 5, a(1) = 12, a(2) = 10, a(3) = 24}

Sequence: A195031
Score: 8.66507
Type of gen. func.: ogf

$$(182665 f(x) - 2905843) (f(x) x^4 - 2 f(x) x^2 + f(x) - 12 x - 5)$$

Sequence: A195032
Score: 10.7700
Type of gen. func.: ogf

$$-\frac{x (12 x + 5)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A195032
Score: 11.5504

Type of gen. func.: lgdogf

$$-\frac{-48 x^2 - 37 x - 17}{-12 x^3 - 5 x^2 + 12 x + 5}$$

Sequence: A195032
Score: 20.6692
Type of gen. func.: lgdogf

$$-\frac{48 x^2 + 37 x + 17}{(12 x + 5) (x - 1) (x + 1)}$$

Sequence: A195032
Score: 3.94545
Type of gen. func.: ogf

{(15 + 5 n) a(n + 4) + (7 + 12 n) a(n + 3) + (-42 - 5 n) a(n + 2)

+ (-48 - 12 n) a(n + 1), a(0) = 0, a(1) = 5, a(2) = 17, a(3) = 27}

Sequence: A195033
Score: 11.8546
Type of gen. func.: lgdogf

$$-\frac{60 x^2 + 84 x + 20}{20 x^3 + 21 x^2 - 20 x - 21}$$

Sequence: A195033
Score: 16.5034
Type of gen. func.: ogf

$$\frac{20 x + 21}{(x - 1)^2 (x + 1)^2}$$

Sequence: A195033
Score: 20.6430

Type of gen. func.: lgdogf

$$-\frac{4\,(15\,x^2 + 21\,x + 5)}{(x - 1)\,(20\,x + 21)\,(x + 1)}$$

Sequence: A195033
Score: 4.02715
Type of gen. func.: ogf

$$\{(21\,n + 84)\,a(n + 4) + (40 + 20\,n)\,a(n + 3) + (-126 - 21\,n)\,a(n + 2) + (-80 - 20\,n)\,a(n + 1),\ a(0) = 21,\ a(1) = 20,\ a(2) = 42,\ a(3) = 40\}$$

Sequence: A195033
Score: 8.17161
Type of gen. func.: ogf

$$-(173061\,f(x) + 10421321)\,(f(x)\,x^4 - 2\,f(x)\,x^2 + f(x) - 20\,x - 21)$$

Sequence: A195034
Score: 10.3955
Type of gen. func.: lgdogf

$$-\frac{-80\,x^2 - 125\,x - 41}{-20\,x^3 - 21\,x^2 + 20\,x + 21}$$

Sequence: A195034
Score: 18.4299
Type of gen. func.: lgdogf

$$-\frac{80\,x^2 + 125\,x + 41}{(x - 1)\,(20\,x + 21)\,(x + 1)}$$

Sequence: A195034
Score: 9.97972
Type of gen. func.: ogf

$$-\frac{x\,(20\,x+21)}{(x+1)^2\,(x-1)^3}$$

Sequence: A195035
Score: 11.7323
Type of gen. func.: lgdogf

$$-\frac{24\,x^2+60\,x+8}{8\,x^3+15\,x^2-8\,x-15}$$

Sequence: A195035
Score: 15.9559
Type of gen. func.: ogf

$$\frac{8\,x+15}{(x-1)^2\,(x+1)^2}$$

Sequence: A195035
Score: 20.5747
Type of gen. func.: lgdogf

$$-\frac{4\,(6\,x^2+15\,x+2)}{(8\,x+15)\,(x-1)\,(x+1)}$$

Sequence: A195035
Score: 8.05855
Type of gen. func.: ogf

$$(2253195\,f(x)+30940837)\,(f(x)\,x^4-2\,f(x)\,x^2+f(x)-8\,x-15)$$

Sequence: A195036
Score: 11.0822
Type of gen. func.: ogf

$$-\frac{x\,(8\,x+15)}{}$$

$$(x + 1)^2 (x - 1)^3$$

Sequence: A195036
Score: 11.8852
Type of gen. func.: lgdogf

$$- \frac{-32 x^2 - 83 x - 23}{-8 x^3 - 15 x^2 + 8 x + 15}$$

Sequence: A195036
Score: 21.2771
Type of gen. func.: lgdogf

$$- \frac{32 x^2 + 83 x + 23}{(8 x + 15) (x - 1) (x + 1)}$$

Sequence: A195036
Score: 4.03981
Type of gen. func.: ogf

$$\{(-45 - 15 n) a(n + 4) + (7 - 8 n) a(n + 3) + (98 + 15 n) a(n + 2)$$
$$+ (32 + 8 n) a(n + 1), a(0) = 0, a(1) = 15, a(2) = 23, a(3) = 53\}$$

Sequence: A195037
Score: 10.8832
Type of gen. func.: ogf

$$f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 17 x$$

Sequence: A195037
Score: 18.4540
Type of gen. func.: ogf

$$- \frac{17 x}{(x - 1)^3}$$

Sequence: A195037
Score: 30.3173
Type of gen. func.: lgdogf

$$\frac{3}{-x + 1}$$

Sequence: A195037
Score: 64.9134
Type of gen. func.: ogf_with_Euler_transform]

[3]

Sequence: A195037
Score: 7.51226
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 17, a(2) = 51}

Sequence: A195038
Score: 16.8405
Type of gen. func.: ogf

$$-\frac{41 x}{(x - 1)^3}$$

Sequence: A195038
Score: 27.6666
Type of gen. func.: lgdogf

$$\frac{3}{-x + 1}$$

Sequence: A195038
Score: 59.1806
Type of gen. func.: ogf_with_Euler_transform]

$$[3]$$

Sequence: A195038
Score: 6.79531
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 41, a(2) = 123\}$$

Sequence: A195038
Score: 9.9316
Type of gen. func.: ogf

$$f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 41 x$$

Sequence: A195039
Score: 16.6303
Type of gen. func.: ogf

$$- \frac{23 x}{(x - 1)^3}$$

Sequence: A195039
Score: 27.3212
Type of gen. func.: lgdogf

$$\frac{3}{-x + 1}$$

Sequence: A195039
Score: 58.4545
Type of gen. func.: ogf_with_Euler_transform]

$$[3]$$

Sequence: A195039
Score: 6.76987
Type of gen. func.: ogf

```
  {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 23, a(2) = 69}



------------------------------------------------------------------------------

Sequence:  A195039
Score: 9.80764
Type of gen. func.: ogf


                          3            2
                  f(x) x  - 3 f(x) x  + 3 f(x) x - f(x) + 23 x



------------------------------------------------------------------------------

Sequence:  A195041
Score: 10.1925
Type of gen. func.: lgdogf


                                 3       2
                              -2 x  - 17 x  - 16 x - 7
                            - ------------------------
                                 4      3
                                -x  - 5 x  + 5 x + 1



------------------------------------------------------------------------------

Sequence:  A195041
Score: 11.6037
Type of gen. func.: ogf


                                      2
                                  x (x  + 5 x + 1)
                                - ----------------
                                                 3
                                  (x + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A195041
Score: 16.1469
Type of gen. func.: lgdogf


                                 3       2
                              2 x  + 17 x  + 16 x + 7
                         - ------------------------------
                                                2
                           (x - 1) (x + 1) (x  + 5 x + 1)



------------------------------------------------------------------------------

Sequence:  A195041
Score: 6.13205
Type of gen. func.: ogf


                            4            3    3                 2
   -(167 f(x) - 717) (f(x) x  - 2 f(x) x  + x  + 2 f(x) x + 5 x  - f(x) + x)
```

Sequence: A195042
Score: 11.9549
Type of gen. func.: lgdogf

$$-\frac{-2 x^{3} - 23 x^{2} - 20 x - 9}{-x^{4} - 7 x^{3} + 7 x + 1}$$

Sequence: A195042
Score: 13.6102
Type of gen. func.: ogf

$$-\frac{x (x^{2} + 7 x + 1)}{(x + 1) (x - 1)^{3}}$$

Sequence: A195042
Score: 18.9754
Type of gen. func.: lgdogf

$$-\frac{2 x^{3} + 23 x^{2} + 20 x + 9}{(x - 1) (x + 1) (x^{2} + 7 x + 1)}$$

Sequence: A195042
Score: 7.13436
Type of gen. func.: ogf

$$-(631 f(x) - 3475) (f(x) x^{4} - 2 f(x) x^{3} + x^{3} + 2 f(x) x + 7 x^{2} - f(x) + x)$$

Sequence: A195043
Score: 10.3629
Type of gen. func.: lgdogf

$$-\frac{-2 x^{3} - 29 x^{2} - 24 x - 11}{\quad{}^{4} \qquad {}^{3}}$$

$$-x - 9 x + 9 x + 1$$

Sequence: A195043
Score: 11.9571
Type of gen. func.: ogf

$$- \frac{x (x^2 + 9 x + 1)}{(x + 1) (x - 1)^3}$$

Sequence: A195043
Score: 16.2921
Type of gen. func.: lgdogf

$$- \frac{2 x^3 + 29 x^2 + 24 x + 11}{(x - 1) (x + 1) (x^2 + 9 x + 1)}$$

Sequence: A195043
Score: 6.16837
Type of gen. func.: ogf

$$-(1543 f(x) - 10493) (f(x) x^4 - 2 f(x) x^3 + x^3 + 2 f(x) x + 9 x^2 - f(x) + x)$$

Sequence: A195045
Score: 11.7955
Type of gen. func.: lgdogf

$$- \frac{-2 x^3 - 35 x^2 - 28 x - 13}{-x^4 - 11 x^3 + 11 x + 1}$$

Sequence: A195045
Score: 13.7614
Type of gen. func.: ogf

$$- \frac{x (x^2 + 11 x + 1)}{}$$

$$(x+1)(x-1)^3$$

Sequence: A195045
Score: 18.6762
Type of gen. func.: lgdogf

$$-\frac{2x^3+35x^2+28x+13}{(x-1)(x+1)(x^2+11x+1)}$$

Sequence: A195045
Score: 7.15159
Type of gen. func.: ogf

$$-(3047 f(x)-24723)(f(x)x^4-2f(x)x^3+x^3+2f(x)x+11x^2-f(x)+x)$$

Sequence: A195046
Score: 10.2926
Type of gen. func.: lgdogf

$$-\frac{-2x^3-41x^2-32x-15}{-x^4-13x^3+13x+1}$$

Sequence: A195046
Score: 12.0080
Type of gen. func.: ogf

$$-\frac{x(x^2+13x+1)}{(x+1)(x-1)^3}$$

Sequence: A195046
Score: 14.2008
Type of gen. func.: lgdogf

$$x^4-2x^3+2x^2+58x+31$$

$$-\frac{}{(x - 1) (x + 1) (x^3 - 2 x^2 + x + 15)}$$

Sequence: A195046
Score: 6.24038
Type of gen. func.: ogf

$$-(5287 f(x) - 49885) (f(x) x^4 - 2 f(x) x^3 + x^3 + 2 f(x) x + 13 x^2 - f(x) + x)$$

Sequence: A195047
Score: 10.7004
Type of gen. func.: lgdogf

$$-\frac{-2 x^3 - 47 x^2 - 36 x - 17}{-x^4 - 15 x^3 + 15 x + 1}$$

Sequence: A195047
Score: 12.4838
Type of gen. func.: ogf

$$-\frac{x (x^2 + 15 x + 1)}{(x + 1) (x - 1)^3}$$

Sequence: A195047
Score: 16.9246
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 47 x^2 + 36 x + 17}{(x - 1) (x + 1) (x^2 + 15 x + 1)}$$

Sequence: A195047
Score: 6.48765
Type of gen. func.: ogf

4 3 3 2

$$-(8407 f(x) - 90467) (f(x) x - 2 f(x) x + x + 2 f(x) x + 15 x - f(x) + x)$$

Sequence: A195048
Score: 10.1346
Type of gen. func.: lgdogf

$$-\frac{-2 x^3 - 53 x^2 - 40 x - 19}{-x^4 - 17 x^3 + 17 x + 1}$$

Sequence: A195048
Score: 11.8237
Type of gen. func.: ogf

$$-\frac{x (x^2 + 17 x + 1)}{(x + 1) (x - 1)^3}$$

Sequence: A195048
Score: 16.0197
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 53 x^2 + 40 x + 19}{(x - 1) (x + 1) (x^2 + 17 x + 1)}$$

Sequence: A195048
Score: 6.14461
Type of gen. func.: ogf

$$-(1793 f(x) - 21675) (f(x) x^4 - 2 f(x) x^3 + x^3 + 2 f(x) x + 17 x^2 - f(x) + x)$$

Sequence: A195049
Score: 10.2335
Type of gen. func.: lgdogf

$$-\frac{-2 x^3 - 59 x^2 - 44 x - 21}{}$$

$$-x^4 - 19 x^3 + 19 x + 1$$

Sequence: A195049
Score: 11.9391
Type of gen. func.: ogf

$$-\frac{x (x^2 + 19 x + 1)}{(x + 1) (x - 1)^3}$$

Sequence: A195049
Score: 16.1783
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 59 x^2 + 44 x + 21}{(x - 1) (x + 1) (x^2 + 19 x + 1)}$$

Sequence: A195049
Score: 6.10837
Type of gen. func.: ogf

$$-(17863 f(x) - 239683) (f(x) x^4 - 2 f(x) x^3 + x^3 + 2 f(x) x + 19 x^2 - f(x) + x)$$

Sequence: A195058
Score: 11.6393
Type of gen. func.: ogf

$$-\frac{x (x^2 + 21 x + 1)}{(x + 1) (x - 1)^3}$$

Sequence: A195058
Score: 15.7675
Type of gen. func.: lgdogf

$$2 x^3 + 65 x^2 + 48 x + 23$$

$$- \frac{}{(x - 1) (x + 1) (x^2 + 21 x + 1)}$$

Sequence: A195058
Score: 5.95497
Type of gen. func.: ogf

$$-(24487 f(x) - 361133) (f(x) x^4 - 2 f(x) x^3 + x^3 + 2 f(x) x + 21 x^2 - f(x) + x)$$

Sequence: A195058
Score: 9.97651
Type of gen. func.: lgdogf

$$- \frac{-2 x^3 - 65 x^2 - 48 x - 23}{-x^4 - 21 x^3 + 21 x + 1}$$

Sequence: A195060
Score: 4.43581
Type of gen. func.: ogf

$$- \frac{x (x^{11} - 2 x^{10} + 2 x^9 - 2 x^8 + x^7 + x^5 - x^4 + x^3 + x^2 + 1)}{(x + 1) (x^4 + 1) (x^2 + 1)^2 (x - 1)^3}$$

Sequence: A195061
Score: 13.1194
Type of gen. func.: lgdogf

$$\frac{37 x^{38} - 74 x^{37} + 37 x^{36} + 33 x^{34} - 34 x^{33} - 1}{(x - 1) (x^{38} - x^{37} + x^{34} + 1)}$$

Sequence: A195061
Score: 15.3936
Type of gen. func.: ogf

38   37   34

$$-\frac{x - x + x + 1}{x - 1}$$

Sequence: A195062
Score: 13.6394
Type of gen. func.: lgdogf

$$-\frac{x (x^{11} + 3 x^{9} + 5 x^{7} + 7 x^{5} + 6 x^{4} + 4 x^{2} + 2)}{(x - 1) (x^{2} + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x^{4} + 1)}$$

Sequence: A195062
Score: 15.9359
Type of gen. func.: ogf

$$-\frac{(x^{2} + 1) (x^{4} + 1)}{(x - 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A195062
Score: 23.6705
Type of gen. func.: ogf_with_Euler_transform]

$$-x (x^{6} - x^{5} - 1)$$

Sequence: A195084
Score: 11.5018
Type of gen. func.: ogf

$$-\frac{2 x^{2} + 4 x + 1}{(x - 1) (x + 1)^{2}}$$

Sequence: A195084
Score: 17.5852
Type of gen. func.: lgdogf

3   2

$$-\frac{2 x + 6 x + 3 x + 3}{(x - 1) (x + 1) (2 x^2 + 4 x + 1)}$$

Sequence: A195084
Score: 5.99669
Type of gen. func.: ogf

$$-(23 f(x) - 73) (f(x) x^3 + f(x) x^2 - f(x) x + 2 x^2 - f(x) + 4 x + 1)$$

Sequence: A195084
Score: 6.32083
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) + a(n + 1) + a(n), a(0) = 1, a(1) = 3, a(2) = 0\}$$

Sequence: A195084
Score: 8.77015
Type of gen. func.: lgdogf

$$-\frac{-2 x^3 - 6 x^2 - 3 x - 3}{-2 x^4 - 4 x^3 + x^2 + 4 x + 1}$$

Sequence: A195116
Score: 4.12767
Type of gen. func.: ogf

$$-(2496350 f(x) - 6753751) (36 f(x) x^4 - 72 f(x) x^3 + 47 f(x) x^2 + 294 x^3 - 12 f(x) x - 341 x^2 + f(x) + 119 x - 12)$$

Sequence: A195116
Score: 7.69248
Type of gen. func.: ogf

$$-\frac{294 x^3 - 341 x^2 + 119 x - 12}{(x - 1) (6 x - 1) (3 x - 1) (-1 + 2 x)}$$

Sequence: A195123
Score: 5.69221
Type of gen. func.: ogf

$$x (x^{12} + x^{11} + 2 x^{10} + x^{9} + 2 x^{8} + x^{7} + 2 x^{6} + x^{5} + 2 x^{4} + x^{3} + 2 x^{2} + x + 2) / ((x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A195125
Score: 8.07049
Type of gen. func.: ogf

$$- \frac{x (x^{7} - 2 x^{6} - 2 x^{5} - 2 x^{4} - 2 x^{3} - 2 x^{2} - 2 x - 2)}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A195140
Score: 11.3372
Type of gen. func.: lgdogf

$$- \frac{-2 x^{3} - 15 x^{2} - 6 x - 5}{-x^{4} - 5 x^{3} + 5 x + 1}$$

Sequence: A195140
Score: 13.5675
Type of gen. func.: ogf

$$\frac{x (x^{2} + 5 x + 1)}{(x - 1)^{2} (x + 1)^{2}}$$

Sequence: A195140
Score: 18.1142

Type of gen. func.: lgdogf

$$-\frac{2x^3+15x^2+6x+5}{(x-1)(x+1)(x^2+5x+1)}$$

Sequence: A195140
Score: 7.19667
Type of gen. func.: ogf

$$\{(n+3)\,a(n+1)+(-n-1)\,a(n+3),\ a(0)=0,\ a(1)=1,\ a(2)=5\}$$

Sequence: A195140
Score: 8.1139
Type of gen. func.: ogf

$$-(5 f(x)+11)(f(x)\,x^4-2 f(x)\,x^2-x^3-5x^2+f(x)-x)$$

Sequence: A195142
Score: 10.6777
Type of gen. func.: lgdogf

$$-\frac{-2x^3-26x^2-22x-10}{-x^4-8x^3+8x+1}$$

Sequence: A195142
Score: 12.3205
Type of gen. func.: ogf

$$-\frac{x(x^2+8x+1)}{(x+1)(x-1)^3}$$

Sequence: A195142
Score: 17.1583
Type of gen. func.: lgdogf

$$-\frac{2\,(x^3 + 13\,x^2 + 11\,x + 5)}{(x - 1)\,(x + 1)\,(x^2 + 8\,x + 1)}$$

Sequence: A195142
Score: 6.40665
Type of gen. func.: ogf

$$-(1022\,f(x) - 6285)\,(f(x)\,x^4 - 2\,f(x)\,x^3 + x^3 + 2\,f(x)\,x + 8\,x^2 - f(x) + x)$$

Sequence: A195143
Score: 10.5004
Type of gen. func.: lgdogf

$$-\frac{-2\,x^3 - 32\,x^2 - 26\,x - 12}{-x^4 - 10\,x^3 + 10\,x + 1}$$

Sequence: A195143
Score: 12.2505
Type of gen. func.: ogf

$$-\frac{x\,(x^2 + 10\,x + 1)}{(x + 1)\,(x - 1)^3}$$

Sequence: A195143
Score: 16.9570
Type of gen. func.: lgdogf

$$-\frac{2\,(x^3 + 16\,x^2 + 13\,x + 6)}{(x - 1)\,(x + 1)\,(x^2 + 10\,x + 1)}$$

Sequence: A195143
Score: 6.57342
Type of gen. func.: ogf

$$-(79 f(x) - 589) (f(x) x^4 - 2 f(x) x^3 + x^3 + 2 f(x) x + 10 x^2 - f(x) + x)$$

Sequence: A195145
Score: 10.6004
Type of gen. func.: lgdogf

$$-\frac{-2 x^3 - 38 x^2 - 30 x - 14}{-x^4 - 12 x^3 + 12 x + 1}$$

Sequence: A195145
Score: 12.3672
Type of gen. func.: ogf

$$-\frac{x (x^2 + 12 x + 1)}{(x + 1) (x - 1)^3}$$

Sequence: A195145
Score: 17.1209
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 + 19 x^2 + 15 x + 7)}{(x - 1) (x + 1) (x^2 + 12 x + 1)}$$

Sequence: A195145
Score: 6.42702
Type of gen. func.: ogf

$$-(4066 f(x) - 35675) (f(x) x^4 - 2 f(x) x^3 + x^3 + 2 f(x) x + 12 x^2 - f(x) + x)$$

Sequence: A195146
Score: 10.6504
Type of gen. func.: lgdogf

3   2

$$-\frac{-2x - 44x - 34x - 16}{-x^4 - 14x^3 + 14x + 1}$$

Sequence: A195146
Score: 12.4255
Type of gen. func.: ogf

$$-\frac{x(x^2 + 14x + 1)}{(x + 1)(x - 1)^3}$$

Sequence: A195146
Score: 17.2028
Type of gen. func.: lgdogf

$$-\frac{2(x^3 + 22x^2 + 17x + 8)}{(x - 1)(x + 1)(x^2 + 14x + 1)}$$

Sequence: A195146
Score: 6.45733
Type of gen. func.: ogf

$$-(3364 f(x) - 33969)(f(x) x^4 - 2 f(x) x^3 + x^3 + 2 f(x) x + 14 x^2 - f(x) + x)$$

Sequence: A195147
Score: 10.4417
Type of gen. func.: lgdogf

$$-\frac{-2x^3 - 50x^2 - 38x - 18}{-x^4 - 16x^3 + 16x + 1}$$

Sequence: A195147
Score: 12.1820
Type of gen. func.: ogf

$$-\frac{x\,(x^2+16\,x+1)}{(x+1)\,(x-1)^3}$$

Sequence: A195147
Score: 16.8623
Type of gen. func.: lgdogf

$$-\frac{2\,(x^3+25\,x^2+19\,x+9)}{(x-1)\,(x+1)\,(x^2+16\,x+1)}$$

Sequence: A195147
Score: 6.23267
Type of gen. func.: ogf

$$-(10342\,f(x)-118153)\,(f(x)\,x^4-2\,f(x)\,x^3+x^3+2\,f(x)\,x+16\,x^2-f(x)+x)$$

Sequence: A195148
Score: 10.4915
Type of gen. func.: lgdogf

$$-\frac{-2\,x^3-56\,x^2-42\,x-20}{-x^4-18\,x^3+18\,x+1}$$

Sequence: A195148
Score: 12.2400
Type of gen. func.: ogf

$$-\frac{x\,(x^2+18\,x+1)}{(x+1)\,(x-1)^3}$$

Sequence: A195148
Score: 16.5908
Type of gen. func.: lgdogf

$$-\frac{2\,(x^3+28\,x^2+21\,x+10)}{(x-1)\,(x+1)\,(x^2+18\,x+1)}$$

Sequence: A195148
Score: 6.36097
Type of gen. func.: ogf

$$-(3763\,f(x)-47990)\,(f(x)\,x^4-2\,f(x)\,x^3+x^3+2\,f(x)\,x+18\,x^2-f(x)+x)$$

Sequence: A195149
Score: 10.6406
Type of gen. func.: lgdogf

$$-\frac{-2\,x^3-62\,x^2-46\,x-22}{-x^4-20\,x^3+20\,x+1}$$

Sequence: A195149
Score: 12.4141
Type of gen. func.: ogf

$$-\frac{x\,(x^2+20\,x+1)}{(x+1)\,(x-1)^3}$$

Sequence: A195149
Score: 16.8301
Type of gen. func.: lgdogf

$$-\frac{2\,(x^3+31\,x^2+23\,x+11)}{(x-1)\,(x+1)\,(x^2+20\,x+1)}$$

Sequence: A195149
Score: 6.35139
Type of gen. func.: ogf

$$-(21002 f(x) - 295767) (f(x) x^4 - 2 f(x) x^3 + x^3 + 2 f(x) x + 20 x^2 - f(x) + x)$$

Sequence: A195156
Score: 10.9572
Type of gen. func.: ogf

$$-16 f(x) x^2 + 17 f(x) x - f(x) + 5 x$$

Sequence: A195156
Score: 12.8536
Type of gen. func.: lgdogf

$$-\frac{32 x - 17}{16 x^2 - 17 x + 1}$$

Sequence: A195156
Score: 17.1382
Type of gen. func.: ogf

$$\frac{5 x}{(16 x - 1) (x - 1)}$$

Sequence: A195156
Score: 25.3675
Type of gen. func.: lgdogf

$$-\frac{32 x - 17}{(16 x - 1) (x - 1)}$$

Sequence: A195156
Score: 8.05287
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1) + 16 a(n), a(0) = 0, a(1) = 5\}$$

Sequence: A195158
Score: 10.0748
Type of gen. func.: lgdogf

$$-\frac{-2x^3-68x^2-50x-24}{-x^4-22x^3+22x+1}$$

Sequence: A195158
Score: 11.7539
Type of gen. func.: ogf

$$-\frac{x(x^2+22x+1)}{(x+1)(x-1)^3}$$

Sequence: A195158
Score: 15.9251
Type of gen. func.: lgdogf

$$-\frac{2(x^3+34x^2+25x+12)}{(x-1)(x+1)(x^2+22x+1)}$$

Sequence: A195158
Score: 6.01363
Type of gen. func.: ogf

$$-(14168 f(x) - 218375) (f(x) x^4 - 2 f(x) x^3 + x^3 + 2 f(x) x + 22 x^2 - f(x) + x)$$

Sequence: A195159
Score: 11.1376
Type of gen. func.: lgdogf

$$-\frac{-2x^3-21x^2-6x-7}{-x^4-7x^3+7x+1}$$

Sequence: A195159
Score: 13.3286
Type of gen. func.: ogf

$$\frac{x (x^2 + 7 x + 1)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A195159
Score: 17.7925
Type of gen. func.: lgdogf

$$- \frac{2 x^3 + 21 x^2 + 6 x + 7}{(x - 1) (x + 1) (x^2 + 7 x + 1)}$$

Sequence: A195159
Score: 7.06996
Type of gen. func.: ogf

$$\{(n + 3) a(n + 1) + (-n - 1) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 7\}$$

Sequence: A195159
Score: 7.97103
Type of gen. func.: ogf

$$-(7 f(x) + 23) (f(x) x^4 - 2 f(x) x^2 - x^3 - 7 x^2 + f(x) - x)$$

Sequence: A195160
Score: 10.7288
Type of gen. func.: lgdogf

$$- \frac{-3 x^3 - 29 x^2 - 14 x - 8}{-x^4 - 7 x^3 + 7 x + 1}$$

Sequence: A195160

Score: 17.0056
Type of gen. func.: lgdogf

$$-\frac{3x^3+29x^2+14x+8}{(x-1)(x+1)(x^2+7x+1)}$$

Sequence: A195160
Score: 9.80162
Type of gen. func.: ogf

$$-\frac{x(x^2+7x+1)}{(x+1)^2(x-1)^3}$$

Sequence: A195161
Score: 10.7687
Type of gen. func.: lgdogf

$$-\frac{-2x^3-24x^2-6x-8}{-x^4-8x^3+8x+1}$$

Sequence: A195161
Score: 12.8871
Type of gen. func.: ogf

$$\frac{x(x^2+8x+1)}{(x-1)^2(x+1)^2}$$

Sequence: A195161
Score: 17.1962
Type of gen. func.: lgdogf

$$-\frac{2(x^3+12x^2+3x+4)}{(x-1)(x+1)(x^2+8x+1)}$$

Sequence: A195161
Score: 6.83577
Type of gen. func.: ogf

$$\{(-n - 3)\ a(n + 1) + (n + 1)\ a(n + 3),\ a(0) = 0,\ a(1) = 1,\ a(2) = 8\}$$

Sequence: A195161
Score: 7.63218
Type of gen. func.: ogf

$$-(16\ f(x) + 61)\ (f(x)\ x^4 - 2\ f(x)\ x^2 - x^3 - 8\ x^2 + f(x) - x)$$

Sequence: A195162
Score: 10.2389
Type of gen. func.: ogf

$$-\frac{x\ (x^2 + 8\ x + 1)}{(x + 1)^2\ (x - 1)^3}$$

Sequence: A195162
Score: 11.2074
Type of gen. func.: lgdogf

$$-\frac{-3\ x^3 - 33\ x^2 - 15\ x - 9}{-x^4 - 8\ x^3 + 8\ x + 1}$$

Sequence: A195162
Score: 18.1692
Type of gen. func.: lgdogf

$$-\frac{3\ (x^3 + 11\ x^2 + 5\ x + 3)}{(x - 1)\ (x + 1)\ (x^2 + 8\ x + 1)}$$

Sequence: A195163
Score: 14.3213
Type of gen. func.: ogf

$$-\frac{x\,(997\,x+1)}{(x-1)^3}$$

Sequence: A195163
Score: 14.5682
Type of gen. func.: lgdogf

$$-\frac{-1994\,x-1000}{-997\,x^2+996\,x+1}$$

Sequence: A195163
Score: 27.8041
Type of gen. func.: lgdogf

$$-\frac{2\,(500+997\,x)}{(997\,x+1)\,(x-1)}$$

Sequence: A195163
Score: 6.07881
Type of gen. func.: ogf

$$-(2980050940028\,f(x)-991032939056979)$$

$$(f(x)\,x^3-3\,f(x)\,x^2+3\,f(x)\,x+997\,x^2-f(x)+x)$$

Sequence: A195163
Score: 7.41189
Type of gen. func.: ogf

$$\{a(n+3)-3\,a(n+2)+3\,a(n+1)-a(n),\ a(0)=0,\ a(1)=1,\ a(2)=1000\}$$

Sequence: A195198
Score: 5.48480
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^8 - x^7 + x^6 - x^4 + x^3 + x^2 - x + 1}{-x^9 - x^6 - x^3 - 1}$$

Sequence: A195221
Score: 5.66025
Type of gen. func.: ogf

$$-\frac{x^5 - 7 x^4 - 70 x^3 - 536 x^2 - 501 x - 91}{(x - 1)^6}$$

Sequence: A195221
Score: 7.79617
Type of gen. func.: lgdogf

$$-\frac{x^5 - 9 x^4 - 238 x^3 - 2354 x^2 - 3577 x - 1047}{(x - 1) (x^5 - 7 x^4 - 70 x^3 - 536 x^2 - 501 x - 91)}$$

Sequence: A195233
Score: 14.7864
Type of gen. func.: lgdogf

$$-\frac{27 x + 155}{27 x^2 + 37 x - 64}$$

Sequence: A195233
Score: 16.9886
Type of gen. func.: ogf

$$\frac{27 x + 64}{(x - 1)^2}$$

Sequence: A195233
Score: 29.0121
Type of gen. func.: lgdogf

$$-\frac{27 x + 155}{(27 x + 64) (x - 1)}$$

Sequence: A195233
Score: 8.58563
Type of gen. func.: ogf

$$(182 f(x) + 12377) (f(x) x^2 - 2 f(x) x + f(x) - 27 x - 64)$$

Sequence: A195233
Score: 9.39369
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 64, a(1) = 155\}$$

Sequence: A195234
Score: 10.9553
Type of gen. func.: lgdogf

$$-\frac{1403 x + 3151}{150 x^3 + 953 x^2 - 79 x - 1024}$$

Sequence: A195234
Score: 12.5717
Type of gen. func.: ogf

$$\frac{150 x^2 + 1103 x + 1024}{(x - 1)^2}$$

Sequence: A195234
Score: 17.9176
Type of gen. func.: lgdogf

$$-\frac{23 (137 + 61 x)}{(x - 1) (150 x^2 + 1103 x + 1024)}$$

```
------------------------------------------------------------------------------

Sequence:  A195234
Score: 6.90877
Type of gen. func.: ogf


   {-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 1024, a(1) = 3151, a(2) = 5428}



------------------------------------------------------------------------------

Sequence:  A195234
Score: 7.10068
Type of gen. func.: ogf


                               2                   2
    (198 f(x) + 228935) (f(x) x  - 2 f(x) x - 150 x  + f(x) - 1103 x - 1024)



------------------------------------------------------------------------------

Sequence:  A195235
Score: 4.49123
Type of gen. func.: ogf


-(21701688624111277259 f(x) - 243360699490867868905536)

           2        3                     2
    (f(x) x  - 998 x  - 2 f(x) x - 15016 x  + f(x) - 62249 x - 32768)



------------------------------------------------------------------------------

Sequence:  A195235
Score: 5.43674
Type of gen. func.: ogf


{a(n + 4) - 2 a(n + 3) + a(n + 2), a(0) = 32768, a(1) = 127785, a(2) = 237818,

    a(3) = 348849}



------------------------------------------------------------------------------

Sequence:  A195235
Score: 9.59133
Type of gen. func.: lgdogf


                           3         2
                      998 x  - 2994 x  - 92281 x - 127785
                 ---------------------------------------------
                               3          2
                 (x - 1) (998 x  + 15016 x  + 62249 x + 32768)



------------------------------------------------------------------------------

Sequence:  A195235
```

Score: 9.64116
Type of gen. func.: ogf

$$\frac{998 x^{3} + 15016 x^{2} + 62249 x + 32768}{(x - 1)^{2}}$$

Sequence: A195236
Score: 6.89789
Type of gen. func.: ogf

$$\frac{9546 x^{4} + 237516 x^{3} + 2182632 x^{2} + 6127761 x + 2097152}{(x - 1)^{2}}$$

Sequence: A195237
Score: 5.10632
Type of gen. func.: ogf

$$(141128 x^{5} + 5176676 x^{4} + 78250080 x^{3} + 543337378 x^{2} + 1126547401 x + 268435456) \Big/ (x - 1)^{2}$$

Sequence: A195241
Score: 11.2985
Type of gen. func.: ogf

$$\frac{3 x^{4} - 19 x^{3} + x - 1}{(x - 1)^{3}}$$

Sequence: A195241
Score: 14.9184
Type of gen. func.: lgdogf

$$\frac{3 x^{4} - 12 x^{3} + 57 x^{2} - 2 x + 2}{(x - 1) (3 x^{4} - 19 x^{3} + x - 1)}$$

Sequence: A195241
Score: 6.17887
Type of gen. func.: ogf

```
(2971 f(x) + 218701)

           3      4           2       3
    (f(x) x  - 3 x  - 3 f(x) x  + 19 x  + 3 f(x) x - f(x) - x + 1)
```

Sequence: A195241
Score: 7.90896
Type of gen. func.: lgdogf

```
                             4       3       2
                          3 x  - 12 x  + 57 x  - 2 x + 2
                     - -------------------------------------
                            5       4       3    2
                       -3 x  + 22 x  - 19 x  - x  + 2 x - 1
```

Sequence: A195249
Score: 11.8357
Type of gen. func.: ogf

```
                              3        2
                          94 x  + 288 x  + 601 x + 64
                          ---------------------------
                                           2
                                   (x - 1)
```

Sequence: A195249
Score: 12.9741
Type of gen. func.: lgdogf

```
                             3        2
                         94 x  - 282 x  - 1177 x - 729
                     -------------------------------------
                                  3        2
                     (x - 1) (94 x  + 288 x  + 601 x + 64)
```

Sequence: A195249
Score: 5.83084
Type of gen. func.: ogf

```
-(1160866722669 f(x) - 38665644864440)

           2       3                   2
```

$$(f(x)\,x - 94\,x - 2\,f(x)\,x - 288\,x + f(x) - 601\,x - 64)$$

Sequence: A195249
Score: 6.44711
Type of gen. func.: ogf

$$\{a(n + 4) - 2\,a(n + 3) + a(n + 2),\ a(0) = 64,\ a(1) = 729,\ a(2) = 1682,\ a(3) = 2729\}$$

Sequence: A195249
Score: 8.26036
Type of gen. func.: lgdogf

$$-\frac{94\,x^3 - 282\,x^2 - 1177\,x - 729}{-94\,x^4 - 194\,x^3 - 313\,x^2 + 537\,x + 64}$$

Sequence: A195250
Score: 7.37844
Type of gen. func.: ogf

$$\frac{1176\,x^5 + 7962\,x^4 + 35868\,x^3 + 73440\,x^2 + 57001\,x + 1024}{(x - 1)^2}$$

Sequence: A195251
Score: 4.39661
Type of gen. func.: ogf

$$(27088\,x^7 + 311868\,x^6 + 2147942\,x^5 + 9100104\,x^4 + 27413120\,x^3 + 38714848\,x^2 + 14283371\,x + 32768) \Big/ (x - 1)^2$$

Sequence: A195254
Score: 6.98091
Type of gen. func.: ogf

$$\{2\,n\,a(n) + (-n - 3)\,a(n + 1) + a(n + 2),\ a(0) = 1,\ a(1) = 2\}$$

Sequence: A195255
Score: 6.64865
Type of gen. func.: ogf

$$\{3 n a(n) + (-n - 4) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A195256
Score: 6.20392
Type of gen. func.: ogf

$$\{4 n a(n) + (-n - 5) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A195257
Score: 6.40498
Type of gen. func.: ogf

$$\{5 n a(n) + (-n - 6) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 5\}$$

Sequence: A195279
Score: 5.38239
Type of gen. func.: ogf

$$-\frac{x^5 - 7 x^4 - 150 x^3 - 1134 x^2 - 1099 x - 171}{(x - 1)^6}$$

Sequence: A195279
Score: 7.31564
Type of gen. func.: lgdogf

$$-\frac{x^5 - 9 x^4 - 478 x^3 - 4986 x^2 - 7763 x - 2125}{(x - 1) (x^5 - 7 x^4 - 150 x^3 - 1134 x^2 - 1099 x - 171)}$$

Sequence: A195291
Score: 33.4978
Type of gen. func.: ogf_with_Euler_transform]

$$-x^3 + x^2 + 2$$

Sequence: A195291
Score: 5.83481
Type of gen. func.: ogf

$$-\frac{8 x^{71} - 20 x^{70} - 21 x^{69} - 20 x^{68} - 25 x^{67} - 8 x^3 - 8 x^2 - 8 x - 8}{28 x^{71} - 27 x^{70} + 6 x^{69} - 30 x^{68} + 25 x^{67} + 8 x^4 - 8 x^3 - 8 x + 8}$$

Sequence: A195309
Score: 8.13647
Type of gen. func.: ogf

$$\frac{x^4 + 9 x^3 + 7 x^2 + 9 x + 1}{(x - 1)^4 (x + 1)^4}$$

Sequence: A195309
Score: 9.85128
Type of gen. func.: lgdogf

$$-\frac{4 x^5 + 45 x^4 + 46 x^3 + 90 x^2 + 22 x + 9}{(x - 1) (x + 1) (x^4 + 9 x^3 + 7 x^2 + 9 x + 1)}$$

Sequence: A195312
Score: 10.1353
Type of gen. func.: lgdogf

$$-\frac{-2 x^3 - 27 x^2 - 6 x - 9}{-x^4 - 9 x^3 + 9 x + 1}$$

Sequence: A195312
Score: 12.1291

Type of gen. func.: ogf

$$\frac{x (x^2 + 9 x + 1)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A195312
Score: 16.1722
Type of gen. func.: lgdogf

$$- \frac{2 x^3 + 27 x^2 + 6 x + 9}{(x - 1) (x + 1) (x^2 + 9 x + 1)}$$

Sequence: A195312
Score: 6.43372
Type of gen. func.: ogf

$$\{(n + 3) a(n + 1) + (-n - 1) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 9\}$$

Sequence: A195312
Score: 7.25371
Type of gen. func.: ogf

$$-(3 f(x) + 13) (f(x) x^4 - 2 f(x) x^2 - x^3 - 9 x^2 + f(x) - x)$$

Sequence: A195313
Score: 10.5813
Type of gen. func.: lgdogf

$$- \frac{-3 x^3 - 37 x^2 - 16 x - 10}{-x^4 - 9 x^3 + 9 x + 1}$$

Sequence: A195313
Score: 16.6379
Type of gen. func.: lgdogf

$$-\frac{3 x^3 + 37 x^2 + 16 x + 10}{(x - 1) (x + 1) (x^2 + 9 x + 1)}$$

Sequence: A195313
Score: 9.79748
Type of gen. func.: ogf

$$-\frac{x (x^2 + 9 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A195314
Score: 11.8726
Type of gen. func.: lgdogf

$$-\frac{x^2 + 54 x + 29}{x^3 + 25 x^2 - 25 x - 1}$$

Sequence: A195314
Score: 13.0216
Type of gen. func.: ogf

$$-\frac{x^2 + 26 x + 1}{(x - 1)^3}$$

Sequence: A195314
Score: 24.0117
Type of gen. func.: lgdogf

$$-\frac{x^2 + 54 x + 29}{(x - 1) (x^2 + 26 x + 1)}$$

Sequence: A195314

Score: 6.90031
Type of gen. func.: ogf

$$(139 f(x) - 2214) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 26 x + 1)$$

Sequence: A195314
Score: 7.08190
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 29, a(2) = 85\}$$

Sequence: A195315
Score: 11.5776
Type of gen. func.: lgdogf

$$- \frac{x^2 + 62 x + 33}{x^3 + 29 x^2 - 29 x - 1}$$

Sequence: A195315
Score: 12.6980
Type of gen. func.: ogf

$$- \frac{x^2 + 30 x + 1}{(x - 1)^3}$$

Sequence: A195315
Score: 23.4067
Type of gen. func.: lgdogf

$$- \frac{x^2 + 62 x + 33}{(x - 1) (x^2 + 30 x + 1)}$$

Sequence: A195315
Score: 6.72887
Type of gen. func.: ogf

$$(159 f(x) - 2914) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 30 x + 1)$$

Sequence: A195315
Score: 6.90594
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 33, a(2) = 97\}$$

Sequence: A195316
Score: 11.7414
Type of gen. func.: lgdogf

$$- \frac{x^2 + 70 x + 37}{x^3 + 33 x^2 - 33 x - 1}$$

Sequence: A195316
Score: 12.8777
Type of gen. func.: ogf

$$- \frac{x^2 + 34 x + 1}{(x - 1)^3}$$

Sequence: A195316
Score: 23.7443
Type of gen. func.: lgdogf

$$- \frac{x^2 + 70 x + 37}{(x - 1) (x^2 + 34 x + 1)}$$

Sequence: A195316
Score: 6.82409
Type of gen. func.: ogf

$$(179 f(x) - 3710) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 34 x + 1)$$

Sequence: A195316
Score: 6.94277
Type of gen. func.: ogf

$$\{a(n+3) - 3 a(n+2) + 3 a(n+1) - a(n), a(0) = 1, a(1) = 37, a(2) = 109\}$$

Sequence: A195317
Score: 11.8507
Type of gen. func.: lgdogf

$$-\frac{x^2 + 78 x + 41}{x^3 + 37 x^2 - 37 x - 1}$$

Sequence: A195317
Score: 12.9975
Type of gen. func.: ogf

$$-\frac{x^2 + 38 x + 1}{(x - 1)^3}$$

Sequence: A195317
Score: 23.9694
Type of gen. func.: lgdogf

$$-\frac{x^2 + 78 x + 41}{(x - 1) (x^2 + 38 x + 1)}$$

Sequence: A195317
Score: 6.88757
Type of gen. func.: ogf

$$(199 f(x) - 4602) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 38 x + 1)$$

Sequence: A195317
Score: 7.00735
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 41, a(2) = 121\}$$

Sequence: A195318
Score: 11.9053
Type of gen. func.: lgdogf

$$-\frac{x^2 + 86 x + 45}{x^3 + 41 x^2 - 41 x - 1}$$

Sequence: A195318
Score: 13.0574
Type of gen. func.: ogf

$$-\frac{x^2 + 42 x + 1}{(x - 1)^3}$$

Sequence: A195318
Score: 24.0819
Type of gen. func.: lgdogf

$$-\frac{x^2 + 86 x + 45}{(x - 1) (x^2 + 42 x + 1)}$$

Sequence: A195318
Score: 6.91931
Type of gen. func.: ogf

$$(219 f(x) - 5590) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 42 x + 1)$$

Sequence: A195318

Score: 7.03963
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 45, a(2) = 133\}$$

Sequence: A195319
Score: 13.6762
Type of gen. func.: ogf

$$-\frac{3 x (x + 3)}{(x - 1)^3}$$

Sequence: A195319
Score: 15.9090
Type of gen. func.: lgdogf

$$-\frac{2 x + 10}{x^2 + 2 x - 3}$$

Sequence: A195319
Score: 38.4095
Type of gen. func.: lgdogf

$$-\frac{2 (5 + x)}{(x + 3) (x - 1)}$$

Sequence: A195319
Score: 6.96021
Type of gen. func.: ogf

$$(656 f(x) - 3367) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) + 9 x)$$

Sequence: A195319
Score: 6.96021
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 9, a(2) = 30\}$$

Sequence: A195320
Score: 14.2018
Type of gen. func.: ogf

$$-\frac{7 x (3 x + 1)}{(x - 1)^{3}}$$

Sequence: A195320
Score: 17.1605
Type of gen. func.: lgdogf

$$-\frac{-6 x - 6}{-3 x^{2} + 2 x + 1}$$

Sequence: A195320
Score: 36.9281
Type of gen. func.: lgdogf

$$-\frac{6 (x + 1)}{(3 x + 1) (x - 1)}$$

Sequence: A195320
Score: 6.98053
Type of gen. func.: ogf

$$-(1072 f(x) - 9555) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 21 x^{2} - f(x) + 7 x)$$

Sequence: A195320
Score: 7.35449
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 7, a(2) = 42\}$$

Sequence: A195321
Score: 13.3437
Type of gen. func.: ogf

$$-\frac{18 x (x + 1)}{(x - 1)^3}$$

Sequence: A195321
Score: 17.8927
Type of gen. func.: lgdogf

$$-\frac{2 x + 4}{x^2 - 1}$$

Sequence: A195321
Score: 37.2401
Type of gen. func.: ogf_with_Euler_transform]

[4 - x]

Sequence: A195321
Score: 38.8068
Type of gen. func.: lgdogf

$$-\frac{2 (x + 2)}{(x - 1) (x + 1)}$$

Sequence: A195321
Score: 6.96705
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 18, a(2) = 72}

Sequence: A195321
Score: 7.22273
Type of gen. func.: ogf

$$(2 f(x) + 9) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 18 x^2 - f(x) + 18 x)$$

Sequence: A195322
Score: 13.4066
Type of gen. func.: ogf

$$-\frac{20 x (x + 1)}{(x - 1)^3}$$

Sequence: A195322
Score: 17.9770
Type of gen. func.: lgdogf

$$-\frac{2 x + 4}{x^2 - 1}$$

Sequence: A195322
Score: 37.4158
Type of gen. func.: ogf_with_Euler_transform]

[4 - x]

Sequence: A195322
Score: 38.9925
Type of gen. func.: lgdogf

$$-\frac{2 (x + 2)}{(x - 1) (x + 1)}$$

Sequence: A195322
Score: 6.99991
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 20, a(2) = 80}

Sequence: A195322
Score: 7.2568
Type of gen. func.: ogf

$$(f(x) + 5) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 20 x^2 - f(x) + 20 x)$$

Sequence: A195323
Score: 14.4711
Type of gen. func.: ogf

$$-\frac{22 x (x + 1)}{(x - 1)^3}$$

Sequence: A195323
Score: 19.4044
Type of gen. func.: lgdogf

$$-\frac{2 x + 4}{x^2 - 1}$$

Sequence: A195323
Score: 39.3638
Type of gen. func.: lgdogf

$$-\frac{2 (x + 2)}{(x - 1) (x + 1)}$$

Sequence: A195323
Score: 40.4024
Type of gen. func.: ogf_with_Euler_transform]

[4 - x]

Sequence: A195323
Score: 7.55568
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 22, a(2) = 88}

Sequence: A195323
Score: 9.81371
Type of gen. func.: ogf

$$f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x + 22\,x^{2} - f(x) + 22\,x$$

Sequence: A195339
Score: 10.2720
Type of gen. func.: lgdogf

$$-\frac{4\,x^{3} + 6\,x^{2} - 4}{x^{4} + 2\,x^{3} - 4\,x + 1}$$

Sequence: A195339
Score: 15.9447
Type of gen. func.: lgdogf

$$-\frac{2\,(2\,x^{3} + 3\,x^{2} - 2)}{(x - 1)\,(x^{3} + 3\,x^{2} + 3\,x - 1)}$$

Sequence: A195339
Score: 18.8783
Type of gen. func.: ogf

$$\frac{1}{(x - 1)\,(x^{3} + 3\,x^{2} + 3\,x - 1)}$$

Sequence: A195339
Score: 6.78152
Type of gen. func.: ogf

$$-(2\,f(x) - 1)\,(f(x)\,x^{4} + 2\,f(x)\,x^{3} - 4\,f(x)\,x + f(x) - 1)$$

Sequence: A195350
Score: 11.4300
Type of gen. func.: ogf

$$x^{2} + 3\,x - 1$$

$$-\frac{}{(x - 1) (x^3 + 3 x^2 + 3 x - 1)}$$

Sequence: A195350
Score: 5.8591
Type of gen. func.: ogf

$$-(474 f(x) - 361) (f(x) x^4 + 2 f(x) x^3 - 4 f(x) x + x^2 + f(x) + 3 x - 1)$$

Sequence: A195350
Score: 9.91596
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 11 x^4 + 8 x^3 - 2 x^2 - 2 x + 1}{(x - 1) (x^2 + 3 x - 1) (x^3 + 3 x^2 + 3 x - 1)}$$

Sequence: A195460
Score: 10.2883
Type of gen. func.: ogf

$$\frac{16 x^2 - 12 x - 1}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A195460
Score: 5.18468
Type of gen. func.: ogf

$$-(24003 f(x) - 175456)$$

$$(8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x - 16 x^2 - f(x) + 12 x + 1)$$

Sequence: A195460
Score: 5.67632
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) - 14 a(n + 1) + 8 a(n), a(0) = 1, a(1) = 19, a(2) = 103$$

$$\}$$

Sequence: A195460
Score: 8.97099
Type of gen. func.: lgdogf

$$-\frac{128 x^4 - 192 x^3 + 32 x^2 + 60 x - 19}{(x - 1) (2 x - 1) (4 x - 1) (16 x^2 - 12 x - 1)}$$

Sequence: A195463
Score: 15.0112
Type of gen. func.: ogf

$$-\frac{32 x - 11}{(4 x - 1) (x - 1)}$$

Sequence: A195463
Score: 16.4956
Type of gen. func.: lgdogf

$$-\frac{128 x^2 - 88 x + 23}{(x - 1) (32 x - 11) (4 x - 1)}$$

Sequence: A195463
Score: 7.50562
Type of gen. func.: ogf

$$-(27 f(x) + 232) (4 f(x) x^2 - 5 f(x) x + f(x) + 32 x - 11)$$

Sequence: A195463
Score: 8.39913
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 4 a(n), a(0) = 11, a(1) = 23\}$$

Sequence: A195463

Score: 9.53415
Type of gen. func.: lgdogf

$$-\frac{-128 x^2 + 88 x - 23}{-128 x^3 + 204 x^2 - 87 x + 11}$$

Sequence: A195464
Score: 5.05815
Type of gen. func.: ogf

$$(3802925 f(x) + 22873968)$$

$$(64 f(x) x^3 - 84 f(x) x^2 + 21 f(x) x + 256 x^2 - f(x) - 134 x + 13)$$

Sequence: A195464
Score: 5.51798
Type of gen. func.: ogf

$$\{-a(n + 3) + 21 a(n + 2) - 84 a(n + 1) + 64 a(n), a(0) = 13, a(1) = 139, a(2) = 2083\}$$

Sequence: A195464
Score: 7.81088
Type of gen. func.: lgdogf

$$-\frac{16384 x^4 - 17152 x^3 + 8376 x^2 - 1672 x + 139}{(x - 1) (4 x - 1) (16 x - 1) (256 x^2 - 134 x + 13)}$$

Sequence: A195464
Score: 9.67645
Type of gen. func.: ogf

$$-\frac{256 x^2 - 134 x + 13}{(x - 1) (4 x - 1) (16 x - 1)}$$

Sequence: A195499

Score: 12.2925
Type of gen. func.: ogf

$$-\frac{x-3}{(x+1)(x^2-4x+1)}$$

Sequence: A195499
Score: 14.5179
Type of gen. func.: lgdogf

$$-\frac{2(x^3-6x^2+9x+4)}{(x-3)(x+1)(x^2-4x+1)}$$

Sequence: A195499
Score: 5.76549
Type of gen. func.: ogf

$$\{-a(n+3)+3a(n+2)+3a(n+1)-a(n), a(0)=3, a(1)=8, a(2)=33\}$$

Sequence: A195499
Score: 5.92274
Type of gen. func.: ogf

$$(73466 f(x)+1611)(f(x)x^3-3f(x)x^2-3f(x)x+f(x)+x-3)$$

Sequence: A195499
Score: 7.84940
Type of gen. func.: lgdogf

$$-\frac{2x^3-12x^2+18x+8}{x^4-6x^3+6x^2+10x-3}$$

Sequence: A195503
Score: 10.2083
Type of gen. func.: lgdogf

$$-\frac{-x^2+8x-15}{-x^3+8x^2-17x+4}$$

Sequence: A195503
Score: 14.9722
Type of gen. func.: ogf

$$-\frac{x-4}{x^2-4x+1}$$

Sequence: A195503
Score: 22.0345
Type of gen. func.: lgdogf

$$-\frac{(x-3)(x-5)}{(x-4)(x^2-4x+1)}$$

Sequence: A195503
Score: 7.74422
Type of gen. func.: ogf

$$(52 f(x) + 17) (f(x) x^2 - 4 f(x) x + f(x) + x - 4)$$

Sequence: A195503
Score: 8.11743
Type of gen. func.: ogf

$$\{-a(n+2) + 4 a(n+1) - a(n), a(0) = 4, a(1) = 15\}$$

Sequence: A195523
Score: 4.52658
Type of gen. func.: ogf

$$-\frac{x^6 - 6x^5 + 213x^4 + 2346x^3 + 5175x^2 + 2360x + 199}{(x-1)^7}$$

Sequence: A195531
Score: 11.0450
Type of gen. func.: ogf

$$-\frac{x^2-2x-5}{(x+1)(x^2-4x+1)}$$

Sequence: A195531
Score: 11.8042
Type of gen. func.: lgdogf

$$-\frac{x^4-4x^3-6x^2+28x+17}{(x+1)(x^2-4x+1)(x^2-2x-5)}$$

Sequence: A195531
Score: 5.75852
Type of gen. func.: ogf

$$(4591 f(x) + 1173)(f(x) x^3 - 3 f(x) x^2 - 3 f(x) x + x^2 + f(x) - 2x - 5)$$

Sequence: A195531
Score: 5.91006
Type of gen. func.: ogf

$$\{-a(n+3) + 3 a(n+2) + 3 a(n+1) - a(n), a(0) = 5, a(1) = 17, a(2) = 65\}$$

Sequence: A195531
Score: 6.73747
Type of gen. func.: lgdogf

$$-\frac{-x^4+4x^3+6x^2-28x-17}{-x^5+5x^4+2x^3-22x^2-13x+5}$$

Sequence: A195538
Score: 8.10555
Type of gen. func.: ogf

$$-\frac{x^4 - 30 x^2 + 12 x + 5}{(x - 1) (x + 1) (x^2 + 6 x + 1) (x^2 - 6 x + 1)}$$

Sequence: A195539
Score: 10.9603
Type of gen. func.: ogf

$$-\frac{x^3 - 35 x - 12}{(x^2 + 6 x + 1) (x^2 - 6 x + 1)}$$

Sequence: A195539
Score: 6.14595
Type of gen. func.: ogf

$$(4704360 f(x) - 948631) (f(x) x^4 - 34 f(x) x^2 + x^3 + f(x) - 35 x - 12)$$

Sequence: A195539
Score: 8.49261
Type of gen. func.: lgdogf

$$-\frac{x^6 - 71 x^4 - 48 x^3 + 1187 x^2 + 816 x + 35}{(x^2 + 6 x + 1) (x^2 - 6 x + 1) (x^3 - 35 x - 12)}$$

Sequence: A195540
Score: 6.92227
Type of gen. func.: ogf

$$-\frac{x^5 + x^4 - 34 x^3 - 22 x^2 + 37 x + 13}{(x - 1) (x + 1) (x^2 + 6 x + 1) (x^2 - 6 x + 1)}$$

Sequence: A195547
Score: 7.88001
Type of gen. func.: ogf

$$\frac{x^6 + 4x^5 + 12x^4 - 2x^3 + 12x^2 + 4x + 1}{(x + 1)(x^2 - 3x + 1)(x^2 - x + 1)(x^4 + 3x^3 + 8x^2 + 3x + 1)}$$

Sequence: A195548
Score: 7.28829
Type of gen. func.: ogf

$$-\frac{x(x^7 - x^6 - 20x^4 + 12x^3 - 8x^2 - 5x - 3)}{(x + 1)(x^2 - 3x + 1)(x^2 - x + 1)(x^4 + 3x^3 + 8x^2 + 3x + 1)}$$

Sequence: A195549
Score: 8.35058
Type of gen. func.: ogf

$$-\frac{x^5 + x^4 + x^3 - 13x^2 - 5x - 1}{(x^2 - 3x + 1)(x^4 + 3x^3 + 8x^2 + 3x + 1)}$$

Sequence: A195552
Score: 6.72255
Type of gen. func.: ogf

$$-\frac{x^5 + x^4 + 5x^3 - 1189x^2 - 109x - 5}{(x^2 - 11x + 1)(x^4 + 11x^3 + 120x^2 + 11x + 1)}$$

Sequence: A195555
Score: 6.55882
Type of gen. func.: ogf

$$-\frac{x^5 + x^4 + 13x^3 - 18901x^2 - 701x - 13}{}$$

$$(x^2 - 27 x + 1) (x^4 + 27 x^3 + 728 x^2 + 27 x + 1)$$

Sequence: A195556
Score: 6.43776
Type of gen. func.: ogf

$$\frac{x^6 + 12 x^5 + 24 x^4 - 2 x^3 + 24 x^2 + 12 x + 1}{(x + 1) (x^2 - x + 1) (x^6 - 38 x^3 + 1)}$$

Sequence: A195557
Score: 6.39325
Type of gen. func.: ogf

$$- \frac{x (x^7 - x^6 - 42 x^4 + 30 x^3 - 12 x^2 - 7 x - 5)}{(x + 1) (x^2 - x + 1) (x^6 - 38 x^3 + 1)}$$

Sequence: A195558
Score: 7.93224
Type of gen. func.: ogf

$$- \frac{x^5 + x^4 + x^3 - 25 x^2 - 13 x - 1}{x^6 - 38 x^3 + 1}$$

Sequence: A195561
Score: 5.15116
Type of gen. func.: ogf

$$- \frac{x^9 + x^8 + x^7 + 5 x^6 + 109 x^5 - 1009 x^4 - 289 x^3 - 109 x^2 - 5 x - 1}{x^{10} - 1298 x^5 + 1}$$

Sequence: A195562
Score: 6.11877
Type of gen. func.: ogf

$$\frac{x^6 + 24 x^5 + 40 x^4 - 2 x^3 + 40 x^2 + 24 x + 1}{(x + 1) (x^2 - x + 1) (x^6 - 66 x^3 + 1)}$$

Sequence: A195563
Score: 6.02630
Type of gen. func.: ogf

$$- \frac{x (x^7 - x^6 - 72 x^4 + 56 x^3 - 16 x^2 - 9 x - 7)}{(x + 1) (x^2 - x + 1) (x^6 - 66 x^3 + 1)}$$

Sequence: A195564
Score: 7.50277
Type of gen. func.: ogf

$$- \frac{x^5 + x^4 + x^3 - 41 x^2 - 25 x - 1}{x^6 - 66 x^3 + 1}$$

Sequence: A195567
Score: 5.27440
Type of gen. func.: ogf

$$- \frac{x^9 + x^8 + 5 x^7 + 5 x^6 + 325 x^5 - 3649 x^4 - 449 x^3 - 325 x^2 - 5 x - 5}{x^{10} - 4098 x^5 + 1}$$

Sequence: A195568
Score: 5.97522
Type of gen. func.: ogf

$$\frac{3 x^6 + 8 x^5 + 120 x^4 - 134 x^3 + 120 x^2 + 8 x + 3}{(x + 1) (x^2 - x + 1) (x^6 - 258 x^3 + 1)}$$

Sequence: A195569
Score: 5.27881
Type of gen. func.: ogf

$$-\frac{x^8 - x^7 - 4x^6 - 272x^5 + 48x^4 - 88x^3 - 209x^2 - 15x - 4}{(x+1)(x^2 - x + 1)(x^6 - 258x^3 + 1)}$$

Sequence: A195570
Score: 7.68210
Type of gen. func.: ogf

$$-\frac{x^5 + x^4 + 5x^3 - 241x^2 - 17x - 5}{x^6 - 258x^3 + 1}$$

Sequence: A195571
Score: 6.48001
Type of gen. func.: ogf

$$\frac{x^6 + 40x^5 + 60x^4 - 2x^3 + 60x^2 + 40x + 1}{(x+1)(x^2 - x + 1)(x^6 - 102x^3 + 1)}$$

Sequence: A195572
Score: 5.75790
Type of gen. func.: ogf

$$-\frac{x(x^7 - x^6 - 110x^4 + 90x^3 - 20x^2 - 11x - 9)}{(x+1)(x^2 - x + 1)(x^6 - 102x^3 + 1)}$$

Sequence: A195573
Score: 7.30940
Type of gen. func.: ogf

$$-\frac{x^5 + x^4 + x^3 - 61x^2 - 41x - 1}{x^6 - 102x^3 + 1}$$

Sequence: A195590
Score: 12.5860
Type of gen. func.: ogf

$$-\frac{4\,(x^2 - 2\,x + 2)}{(2\,x - 1)^2\,(x - 1)}$$

Sequence: A195590
Score: 15.7141
Type of gen. func.: lgdogf

$$-\frac{2\,x^3 - 7\,x^2 + 14\,x - 8}{(x - 1)\,(2\,x - 1)\,(x^2 - 2\,x + 2)}$$

Sequence: A195590
Score: 6.56191
Type of gen. func.: ogf

$$(2390\,f(x) - 4593)\,(4\,f(x)\,x^3 - 8\,f(x)\,x^2 + 5\,f(x)\,x + 4\,x^2 - f(x) - 8\,x + 8)$$

Sequence: A195590
Score: 6.67603
Type of gen. func.: ogf

$$\{a(n + 3) - 5\,a(n + 2) + 8\,a(n + 1) - 4\,a(n),\ a(0) = 8,\ a(1) = 32,\ a(2) = 100\}$$

Sequence: A195590
Score: 9.36273
Type of gen. func.: lgdogf

$$-\frac{2\,x^3 - 7\,x^2 + 14\,x - 8}{2\,x^4 - 7\,x^3 + 11\,x^2 - 8\,x + 2}$$

Sequence: A195591
Score: 11.3294
Type of gen. func.: lgdogf

$$-\frac{4 x^4 - 18 x^3 + 12 x^2 - 61 x + 45}{(x - 1) (2 x - 1) (2 x^3 - 6 x^2 + 3 x - 8)}$$

Sequence: A195591
Score: 4.73248
Type of gen. func.: ogf

$$(47559983 f(x) + 392125661) (4 f(x) x^4 - 12 f(x) x^3 + 13 f(x) x^2 + 4 x^3 - 6 f(x) x - 12 x^2 + f(x) + 6 x - 16)$$

Sequence: A195591
Score: 7.09873
Type of gen. func.: lgdogf

$$-\frac{-4 x^4 + 18 x^3 - 12 x^2 + 61 x - 45}{-4 x^5 + 18 x^4 - 26 x^3 + 31 x^2 - 27 x + 8}$$

Sequence: A195591
Score: 9.11442
Type of gen. func.: ogf

$$-\frac{2 (2 x^3 - 6 x^2 + 3 x - 8)}{(2 x - 1)^2 (x - 1)^2}$$

Sequence: A195592
Score: 7.46105
Type of gen. func.: ogf

$$-\frac{4 (x^4 - 4 x^3 + 9 x^2 + 8 x + 8)}{(2 x - 1)^2 (x - 1)^3}$$

Sequence: A195592
Score: 9.64569
Type of gen. func.: lgdogf

$$-\frac{2 x^{5} - 11 x^{4} + 42 x^{3} + 67 x^{2} + 30 x - 64}{(x - 1) (2 x - 1) (x^{4} - 4 x^{3} + 9 x^{2} + 8 x + 8)}$$

Sequence: A195593
Score: 5.85291
Type of gen. func.: ogf

$$-\frac{2 (2 x^{5} - 10 x^{4} + 15 x^{3} - 100 x^{2} - 110 x - 32)}{(2 x - 1)^{2} (x - 1)^{4}}$$

Sequence: A195594
Score: 5.07016
Type of gen. func.: ogf

$$-\frac{2 (2 x^{6} - 12 x^{5} + 35 x^{4} + 111 x^{3} + 711 x^{2} + 475 x + 64)}{(2 x - 1)^{2} (x - 1)^{5}}$$

Sequence: A195595
Score: 4.26414
Type of gen. func.: ogf

$$-\frac{2 (2 x^{7} - 14 x^{6} + 35 x^{5} - 294 x^{4} - 2380 x^{3} - 4592 x^{2} - 1750 x - 128)}{(2 x - 1)^{2} (x - 1)^{6}}$$

Sequence: A195605
Score: 12.2395
Type of gen. func.: ogf

3   2

$$\frac{x - 4 x - 3 x - 2}{(x + 1) (x - 1)^{3}}$$

Sequence: A195605
Score: 14.5431
Type of gen. func.: lgdogf

$$- \frac{x^{4} - 6 x^{3} - 14 x^{2} - 22 x - 7}{(x - 1) (x + 1) (x^{3} - 4 x^{2} - 3 x - 2)}$$

Sequence: A195605
Score: 6.81069
Type of gen. func.: ogf

$$(184 f(x) - 1455) (f(x) x^{4} - 2 f(x) x^{3} - x^{3} + 2 f(x) x + 4 x^{2} - f(x) + 3 x + 2)$$

Sequence: A195605
Score: 8.61760
Type of gen. func.: lgdogf

$$- \frac{x^{4} - 6 x^{3} - 14 x^{2} - 22 x - 7}{x^{5} - 4 x^{4} - 4 x^{3} + 2 x^{2} + 3 x + 2}$$

Sequence: A195612
Score: 6.71693
Type of gen. func.: ogf

$$- \frac{x^{5} + x^{4} + 5 x^{3} - 3329 x^{2} - 769 x - 5}{x^{6} - 4098 x^{3} + 1}$$

Sequence: A195614
Score: 14.0343
Type of gen. func.: ogf

$$\frac{8}{(x+1)(x^2-18x+1)}$$

Sequence: A195614
Score: 16.4484
Type of gen. func.: lgdogf

$$-\frac{3x^2-34x-17}{(x+1)(x^2-18x+1)}$$

Sequence: A195614
Score: 5.07121
Type of gen. func.: ogf

{a(n + 3) - 17 a(n + 2) - 17 a(n + 1) + a(n), a(0) = 8, a(1) = 136, a(2) = 2448

}

Sequence: A195614
Score: 5.58773
Type of gen. func.: ogf

$$(103987 f(x) + 424) (f(x) x^3 - 17 f(x) x^2 - 17 f(x) x + f(x) - 8)$$

Sequence: A195614
Score: 8.87462
Type of gen. func.: lgdogf

$$-\frac{-3x^2+34x+17}{-x^3+17x^2+17x-1}$$

Sequence: A195615
Score: 4.90191
Type of gen. func.: ogf

(7071113 f(x) + 430922)

$$(f(x) x^3 - 17 f(x) x^2 - 17 f(x) x + x^2 + f(x) - 18 x - 15)$$

Sequence: A195615
Score: 5.14700
Type of gen. func.: ogf

$$\{a(n + 3) - 17 a(n + 2) - 17 a(n + 1) + a(n), a(0) = 15, a(1) = 273, a(2) = 4895\}$$

Sequence: A195615
Score: 9.47355
Type of gen. func.: lgdogf

$$- \frac{x^4 - 36 x^3 + 278 x^2 + 508 x + 273}{(x + 1) (x^2 - 18 x + 1) (x^2 - 18 x - 15)}$$

Sequence: A195615
Score: 9.50215
Type of gen. func.: ogf

$$- \frac{x^2 - 18 x - 15}{(x + 1) (x^2 - 18 x + 1)}$$

Sequence: A195616
Score: 12.8017
Type of gen. func.: ogf

$$\frac{12}{(x + 1) (x^2 - 38 x + 1)}$$

Sequence: A195616
Score: 15.3456
Type of gen. func.: lgdogf

$$3 x^2 - 74 x - 37$$

$$-\frac{}{(x + 1) (x^2 - 38 x + 1)}$$

Sequence: A195616
Score: 4.65516
Type of gen. func.: ogf

$$\{a(n + 3) - 37 a(n + 2) - 37 a(n + 1) + a(n), a(0) = 12, a(1) = 444, a(2) = 16872\}$$

Sequence: A195616
Score: 5.16766
Type of gen. func.: ogf

$$(693589 f(x) + 452) (f(x) x^3 - 37 f(x) x^2 - 37 f(x) x + f(x) - 12)$$

Sequence: A195616
Score: 8.28344
Type of gen. func.: lgdogf

$$-\frac{-3 x^2 + 74 x + 37}{-x^3 + 37 x^2 + 37 x - 1}$$

Sequence: A195617
Score: 4.51342
Type of gen. func.: ogf

$$(307953508 f(x) + 8503647) (f(x) x^3 - 37 f(x) x^2 - 37 f(x) x + x^2 + f(x) - 38 x - 35)$$

Sequence: A195617
Score: 4.77239
Type of gen. func.: ogf

$$\{a(n + 3) - 37 a(n + 2) - 37 a(n + 1) + a(n), a(0) = 35, a(1) = 1333, a(2) = 50615\}$$

Sequence: A195617
Score: 8.52834
Type of gen. func.: lgdogf

$$-\frac{x^4 - 76 x^3 + 1338 x^2 + 2588 x + 1333}{(x + 1) (x^2 - 38 x + 1) (x^2 - 38 x - 35)}$$

Sequence: A195617
Score: 8.95740
Type of gen. func.: ogf

$$-\frac{x^2 - 38 x - 35}{(x + 1) (x^2 - 38 x + 1)}$$

Sequence: A195619
Score: 12.4156
Type of gen. func.: ogf

$$\frac{16}{(x + 1) (x^2 - 66 x + 1)}$$

Sequence: A195619
Score: 14.4792
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 130 x - 65}{(x + 1) (x^2 - 66 x + 1)}$$

Sequence: A195619
Score: 4.47775
Type of gen. func.: ogf

$$\{a(n + 3) - 65 a(n + 2) - 65 a(n + 1) + a(n), a(0) = 16, a(1) = 1040, a(2) = 68640\}$$

Sequence: A195619
Score: 4.87754
Type of gen. func.: ogf

$$(18961603 f(x) + 3152) (f(x) x^3 - 65 f(x) x^2 - 65 f(x) x + f(x) - 16)$$

Sequence: A195619
Score: 7.91717
Type of gen. func.: lgdogf

$$- \frac{-3 x^2 + 130 x + 65}{-x^3 + 65 x^2 + 65 x - 1}$$

Sequence: A195620
Score: 4.31113
Type of gen. func.: ogf

$$(4930016765 f(x) + 76877078) (f(x) x^3 - 65 f(x) x^2 - 65 f(x) x + x^2 + f(x) - 66 x - 63)$$

Sequence: A195620
Score: 4.59154
Type of gen. func.: ogf

$$\{a(n + 3) - 65 a(n + 2) - 65 a(n + 1) + a(n), a(0) = 63, a(1) = 4161, a(2) = 274559\}$$

Sequence: A195620
Score: 8.15004
Type of gen. func.: lgdogf

$$- \frac{x^4 - 132 x^3 + 4166 x^2 + 8188 x + 4161}{(x + 1) (x^2 - 66 x + 1) (x^2 - 66 x - 63)}$$

Sequence: A195620
Score: 8.68860
Type of gen. func.: ogf

$$-\frac{x^2 - 66 x - 63}{(x + 1) (x^2 - 66 x + 1)}$$

Sequence: A195622
Score: 13.0232
Type of gen. func.: ogf

$$\frac{20}{(x + 1) (x^2 - 102 x + 1)}$$

Sequence: A195622
Score: 15.0900
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 202 x - 101}{(x + 1) (x^2 - 102 x + 1)}$$

Sequence: A195622
Score: 4.79254
Type of gen. func.: ogf

{a(n + 3) - 101 a(n + 2) - 101 a(n + 1) + a(n), a(0) = 20, a(1) = 2020,

a(2) = 206040}

Sequence: A195622
Score: 5.20927
Type of gen. func.: ogf

$$(108211903 f(x) + 6100) (f(x) x^3 - 101 f(x) x^2 - 101 f(x) x + f(x) - 20)$$

Sequence: A195622
Score: 8.32038
Type of gen. func.: lgdogf

$$-\frac{-3 x^2 + 202 x + 101}{-x^3 + 101 x^2 + 101 x - 1}$$

Sequence: A195623
Score: 3.96058
Type of gen. func.: ogf

$$(43717608788 f(x) + 436805231)$$

$$(f(x) x^3 - 101 f(x) x^2 - 101 f(x) x + x^2 + f(x) - 102 x - 99)$$

Sequence: A195623
Score: 4.24126
Type of gen. func.: ogf

$$\{a(n + 3) - 101 a(n + 2) - 101 a(n + 1) + a(n), a(0) = 99, a(1) = 10101, a(2) = 1030199\}$$

Sequence: A195623
Score: 7.92118
Type of gen. func.: ogf

$$-\frac{x^2 - 102 x - 99}{(x + 1) (x^2 - 102 x + 1)}$$

Sequence: A195657
Score: 3.67551
Type of gen. func.: ogf

$$- 4 (x^8 - 8 x^7 + 35 x^6 + 116 x^5 + 3555 x^4 + 13848 x^3 + 13073 x^2 + 2976 x + 128) / ((2 x - 1)^2 (x - 1)^7)$$

Sequence: A195679
Score: 16.0061
Type of gen. func.: lgdogf

$$-\frac{x^{14}+5x^{10}-14x^{8}-16x^{7}+7x^{6}+3x^{2}-2}{(x-1)(x+1)(x^{2}+1)(x^{7}+x^{3}-2x-2)(x^{4}+1)}$$

Sequence: A195679
Score: 16.5991
Type of gen. func.: ogf

$$\frac{x^{7}+x^{3}-2x-2}{(x-1)(x+1)(x^{2}+1)(x^{4}+1)}$$

Sequence: A195744
Score: 16.1376
Type of gen. func.: ogf

$$-\frac{32x-31}{(2x-1)(x-1)}$$

Sequence: A195744
Score: 17.7348
Type of gen. func.: lgdogf

$$-\frac{64x^{2}-124x+61}{(x-1)(32x-31)(2x-1)}$$

Sequence: A195744
Score: 7.98386
Type of gen. func.: ogf

$$-(59 f(x)+1892)(2 f(x) x^{2}-3 f(x) x+f(x)+32x-31)$$

Sequence: A195744
Score: 9.02938
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 31, a(1) = 61\}$$

Sequence: A195760
Score: 26.9182
Type of gen. func.: ogf_with_Euler_transform]

$$4 x^{24} + 4 x^{4} + 5$$

Sequence: A195817
Score: 13.2609
Type of gen. func.: ogf

$$\frac{x (x^{2} + 10 x + 1)}{(x - 1)^{2} (x + 1)^{2}}$$

Sequence: A195817
Score: 17.6052
Type of gen. func.: lgdogf

$$- \frac{2 (x^{3} + 15 x^{2} + 3 x + 5)}{(x - 1) (x + 1) (x^{2} + 10 x + 1)}$$

Sequence: A195817
Score: 7.08771
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 1) + (n + 1) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 10\}$$

Sequence: A195817
Score: 7.90553
Type of gen. func.: ogf

4 2 3 2

$$-(20 f(x) + 97) (f(x) x - 2 f(x) x - x - 10 x + f(x) - x)$$

Sequence: A195818
Score: 15.8819
Type of gen. func.: lgdogf

$$-\frac{3 x^3 + 41 x^2 + 17 x + 11}{(x - 1) (x + 1) (x^2 + 10 x + 1)}$$

Sequence: A195818
Score: 9.43756
Type of gen. func.: ogf

$$-\frac{x (x^2 + 10 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A195819
Score: 12.6413
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 29 x$$

Sequence: A195819
Score: 19.9600
Type of gen. func.: ogf

$$\frac{29 x}{(x - 1)^2}$$

Sequence: A195819
Score: 58.0186
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A195819
Score: 9.24976
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 29\}$$

Sequence: A195824
Score: 13.1299
Type of gen. func.: ogf

$$-\frac{24 x (x + 1)}{(x - 1)^3}$$

Sequence: A195824
Score: 36.6356
Type of gen. func.: ogf_with_Euler_transform]

$$[4 - x]$$

Sequence: A195824
Score: 38.1799
Type of gen. func.: lgdogf

$$-\frac{2 (x + 2)}{(x - 1) (x + 1)}$$

Sequence: A195824
Score: 6.85544
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 24, a(2) = 96\}$$

Sequence: A195824
Score: 7.10702
Type of gen. func.: ogf

$$(f(x) + 6) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 24 x^2 - f(x) + 24 x)$$

Sequence: A195848
Score: 13.7199
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^3+x-1}{-x^4+x^3-x+1}$$

Sequence: A195849
Score: 15.9911
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^6-x^5-1}{-x^7+1}$$

Sequence: A195850
Score: 14.5407
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^7+x^6+1}{x^8-1}$$

Sequence: A195852
Score: 14.6544
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^9-x^8-1}{-x^{10}+1}$$

Sequence: A195855
Score: 4.11439
Type of gen. func.: ogf

$$(110199 f(x) + 46061476) (8 f(x) x^4 - 20 f(x) x^3 + 18 f(x) x^2 - 352 x^3$$

$$- 7 f(x) x + 367 x^2 + f(x) - 94 x - 1)$$

Sequence: A195855
Score: 7.64102
Type of gen. func.: ogf

$$\frac{352 x^3 - 367 x^2 + 94 x + 1}{(x - 1) (2 x - 1)^3}$$

Sequence: A195855
Score: 8.27386
Type of gen. func.: lgdogf

$$- \frac{704 x^4 - 764 x^3 - 125 x^2 + 366 x - 101}{(x - 1) (2 x - 1) (352 x^3 - 367 x^2 + 94 x + 1)}$$

Sequence: A195856
Score: 4.09298
Type of gen. func.: ogf

$$(6360817 f(x) + 3646720026) (8 f(x) x^4 - 20 f(x) x^3 + 18 f(x) x^2 - 432 x^3$$

$$- 7 f(x) x + 449 x^2 + f(x) - 115 x - 1)$$

Sequence: A195856
Score: 7.70445
Type of gen. func.: ogf

$$\frac{432 x^3 - 449 x^2 + 115 x + 1}{(x - 1) (2 x - 1)^3}$$

Sequence: A195856
Score: 8.33566
Type of gen. func.: lgdogf

$$-\frac{864 x^4 - 932 x^3 - 157 x^2 + 446 x - 122}{(x - 1) (2 x - 1) (432 x^3 - 449 x^2 + 115 x + 1)}$$

Sequence: A195857
Score: 12.5175
Type of gen. func.: ogf

$$\frac{15 x^2 - 6 x - 1}{(2 x - 1)^2 (x - 1)}$$

Sequence: A195857
Score: 12.8216
Type of gen. func.: lgdogf

$$-\frac{30 x^3 - 9 x^2 - 24 x + 11}{(x - 1) (2 x - 1) (15 x^2 - 6 x - 1)}$$

Sequence: A195857
Score: 6.57696
Type of gen. func.: ogf

$$(351 f(x) + 40868) (4 f(x) x^3 - 8 f(x) x^2 + 5 f(x) x - 15 x^2 - f(x) + 6 x + 1)$$

Sequence: A195857
Score: 6.80774
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 8 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 11, a(2) = 32\}$$

Sequence: A195858
Score: 12.5728
Type of gen. func.: ogf

$$17 x^2 - 7 x - 1$$

$$\frac{\quad}{(2 x - 1)^{2} (x - 1)}$$

Sequence: A195858
Score: 13.5406
Type of gen. func.: lgdogf

$$- \frac{34 x^{3} - 11 x^{2} - 26 x + 12}{(x - 1) (2 x - 1) (17 x^{2} - 7 x - 1)}$$

Sequence: A195858
Score: 6.44227
Type of gen. func.: ogf

$(7760 f(x) + 1077471)$

$$(4 f(x) x^{3} - 8 f(x) x^{2} + 5 f(x) x - 17 x^{2} - f(x) + 7 x + 1)$$

Sequence: A195858
Score: 6.83786
Type of gen. func.: ogf

$\{-a(n + 3) + 5 a(n + 2) - 8 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 12, a(2) = 35\}$

Sequence: A195859
Score: 4.21214
Type of gen. func.: ogf

$$- \frac{2 x^{2} (x^{6} + 120 x^{5} + 2157 x^{4} + 7792 x^{3} + 7827 x^{2} + 2136 x + 127)}{(x - 1)^{9}}$$

Sequence: A195861
Score: 12.3857
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-5 x + 5}{{}^{3} \quad {}^{2}}$$

$$x + x + x + 1$$

Sequence: A195878
Score: 10.9347
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 12 x + 1)}{x^4 - 16 x^2 + 1}$$

Sequence: A195878
Score: 6.69874
Type of gen. func.: ogf

$$(13770 f(x) + 6281) (f(x) x^4 - 16 f(x) x^2 - x^3 - 13 x^2 + f(x) - 13 x - 1)$$

Sequence: A195878
Score: 9.48943
Type of gen. func.: lgdogf

$$- \frac{x^6 + 26 x^5 + 55 x^4 + 4 x^3 - 211 x^2 - 58 x - 13}{(x + 1) (x^2 + 12 x + 1) (x^4 - 16 x^2 + 1)}$$

Sequence: A195904
Score: 19.2660
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (2 x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A195906
Score: 11.8024
Type of gen. func.: ogf

$$- \frac{27 x^4 + 54 x^3 + 6 x^2 + 11 x + 22}{^4 \quad ^3 \quad ^2}$$

$$(x - 1) (x + x + x + x + 1)$$

Sequence: A195913
Score: 6.33491
Type of gen. func.: ogf

$$-\frac{3 x^5 + 3 x^4 + 14 x^3 + 9 x^2 + x + 2}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A195913
Score: 6.50832
Type of gen. func.: lgdogf

$$-\frac{6 x^7 + 12 x^6 + 62 x^5 + 77 x^4 + 41 x^3 + 66 x^2 + 21 x + 3}{(x - 1) (x^2 + x + 1) (3 x^5 + 3 x^4 + 14 x^3 + 9 x^2 + x + 2)}$$

Sequence: A195917
Score: 7.45711
Type of gen. func.: lgdogf

$$-\frac{3 x^6 + 14 x^5 - 261 x^4 - 2036 x^3 + 253 x^2 + 510 x + 5}{(x - 1) (x^2 - 16 x + 1) (x^2 + 4 x + 1) (x^2 + 16 x + 1)}$$

Sequence: A195917
Score: 7.89645
Type of gen. func.: ogf

$$-\frac{24 (x^2 + 4 x + 1) x}{(x - 1) (x^2 - 16 x + 1) (x^2 + 16 x + 1)}$$

Sequence: A195938
Score: 17.6343
Type of gen. func.: lgdogf

$$-\frac{4 x^3 (x^4 + 3)}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A195938
Score: 20.1553
Type of gen. func.: ogf_with_Euler_transform]

$$-x^7 + 3 x^3$$

Sequence: A195938
Score: 9.53543
Type of gen. func.: ogf

$$\frac{x (x^4 + 1)}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A195945
Score: 3.29584
Type of gen. func.: ogf

$$(13 f(x) x - f(x) + 1)^2$$

Sequence: A195948
Score: 10.8439
Type of gen. func.: ogf

$$(5 f(x) x - f(x) + 1)^2$$

Sequence: A195956
Score: 8.43900
Type of gen. func.: ogf

$$-\frac{8 x^5 + 2 x^4 + 4 x^3 - 5 x^2 - 1}{(x - 1) (x^2 + x + 1) (2 x^3 + x - 1)}$$

Sequence: A195964
Score: 5.36692
Type of gen. func.: ogf

$$-\frac{2x^{10}+x^{9}+5x^{8}+4x^{7}+x^{6}-7x^{5}-6x^{4}-3x^{3}-5x^{2}-2x-2}{x^{9}-4x^{6}-2x^{5}-2x^{4}-2x^{3}+1}$$

Sequence: A195971
Score: 11.4164
Type of gen. func.: ogf

$$-\frac{x(x+1)^{2}}{(x^{2}+1)(x^{2}+x-1)}$$

Sequence: A195971
Score: 14.9703
Type of gen. func.: lgdogf

$$-\frac{2x^{4}+5x^{3}+3x^{2}-x+3}{(x+1)(x^{2}+1)(x^{2}+x-1)}$$

Sequence: A195971
Score: 6.13279
Type of gen. func.: ogf

$$-(159 f(x)-5)(f(x)x^{4}+f(x)x^{3}+x^{3}+f(x)x+2x^{2}-f(x)+x)$$

Sequence: A195972
Score: 6.21602
Type of gen. func.: ogf

$$-\frac{(2x^{4}+3x^{3}+x^{2}+3x-3)(x+1)^{2}}{{}^{2}\qquad{}^{2}\qquad\qquad{}^{3}\quad{}^{2}}$$

```
(x  + 1) (x  + x - 1) (x  + x  + x - 1)
```

Sequence: A196012
Score: 8.00365
Type of gen. func.: ogf

$$-\frac{(x-1)(6x^4+5x^3+x^2+x+1)}{2x^6+x^5-3x^4-x^2-x+1}$$

Sequence: A196013
Score: 3.58826
Type of gen. func.: ogf

$$(2x^{13}-2x^{12}-6x^{11}-2x^{10}+3x^9-x^8+8x^7+x^6+9x^5+15x^4-12x^3-4x^2-1) \Big/ (x^{10}-3x^8-3x^7-2x^6-4x^5-x^4+4x^3+2x^2+x-1)$$

Sequence: A196072
Score: 10.1451
Type of gen. func.: ogf

$$-\frac{x(3x^3-x^2+2x+1)}{2x^5+x^3+x^2-1}$$

Sequence: A196072
Score: 10.4554
Type of gen. func.: lgdogf

$$-\frac{2(6x^5-3x^4+2x^3+6x^2+1)(x^2+1)}{(3x^3-x^2+2x+1)(2x^5+x^3+x^2-1)}$$

Sequence: A196081

Score: 6.75468
Type of gen. func.: ogf

$$\frac{x^5 - 9 x^4 + x^2 + 10}{(x^2 + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A196132
Score: 5.42659
Type of gen. func.: ogf

$$- \frac{x (4 x^7 - 6 x^5 + 3 x^4 + 3 x^3 + 4 x^2 - 3 x - 4)}{(x - 1) (2 x^8 + 2 x^7 - 2 x^6 - x^5 + 2 x^4 + 4 x^3 + 2 x^2 - x - 1)}$$

Sequence: A196140
Score: 7.54692
Type of gen. func.: ogf

$$\frac{x^5 - x^4 + 2 x^3 + 2 x^2 + x - 3}{(x - 1) (x^5 - 2 x^3 - x^2 - x + 1)}$$

Sequence: A196141
Score: 3.88750
Type of gen. func.: ogf

$$- (12 x^{10} + 4 x^9 + 14 x^8 - 4 x^6 - 5 x^5 - 11 x^4 + 17 x^3 - 9 x^2 - 4 x + 4) \Big/ (6 x^{12} + 2 x^{11} + 4 x^{10} + x^9 - 7 x^8 - x^6 + 3 x^5 - 3 x^4 + x^3 - 2 x^2 + 3 x - 1)$$

Sequence: A196204
Score: 7.99838
Type of gen. func.: lgdogf

$$- \frac{x^8 + 10 x^7 + 11 x^6 + 8 x^5 - 6 x^4 + 4 x^3 - 11 x^2 - 4 x + 5}{(x^2 + x + 1) (x^2 + 4 x - 3) (x^2 + x - 1) (x^3 + x - 1)}$$

Sequence: A196204
Score: 9.84796
Type of gen. func.: ogf

$$-\frac{(x^2+x+1)(x^2+4x-3)}{(x^2+x-1)(x^3+x-1)}$$

Sequence: A196205
Score: 5.05356
Type of gen. func.: ogf

$$-\frac{2x^8+x^7-7x^6+8x^5-3x^4+9x^3-9x^2-4x+4}{(x-1)(x^3+x-1)(x^5-x^4+x^2+x-1)}$$

Sequence: A196212
Score: 3.93219
Type of gen. func.: ogf

$$-\frac{(3x^6+15x^5-4x^4-16x^3-7x^2-3x+3)(x+1)^2}{(x^4+7x^3+x-1)(x^6+x^5-2x^4-4x^3-5x^2-x+1)}$$

Sequence: A196221
Score: 67.7221
Type of gen. func.: lgdogf

$$-\frac{99}{-1+9x}$$

Sequence: A196221
Score: 7.70507
Type of gen. func.: ogf

$\{(-n-2)\,a(n+2)+(108+9n)\,a(n+1),\ a(0)=1,\ a(1)=99\}$

Sequence: A196258
Score: 12.8955
Type of gen. func.: egf]

$$-11 f(x) x + f(x) - 1$$

Sequence: A196258
Score: 24.6186
Type of gen. func.: egf]

$$-\frac{1}{11 x - 1}$$

Sequence: A196258
Score: 40.8291
Type of gen. func.: lgdegf]

$$-\frac{11}{11 x - 1}$$

Sequence: A196258
Score: 5.95176
Type of gen. func.: ogf

$$\{(-11 n - 22) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 11\}$$

Sequence: A196279
Score: 8.09637
Type of gen. func.: ogf

$$\frac{x (x^9 + x^8 + x^7 - 2 x^6 + x^5 + x^4 - 2 x^3 + x^2 + x - 2)}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A196280
Score: 57.3257
Type of gen. func.: lgdogf

$$- \frac{\quad}{-1 + 8 x}$$

Sequence: A196280
Score: 6.59877
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (88 + 8 n) a(n + 1), a(0) = 1, a(1) = 80\}$$

Sequence: A196288
Score: 4.05155
Type of gen. func.: ogf

$$- \frac{2 x (127 x^6 + 2136 x^5 + 7827 x^4 + 7792 x^3 + 2157 x^2 + 120 x + 1)}{(x - 1)^9}$$

Sequence: A196289
Score: 3.78255
Type of gen. func.: ogf

$$\{(-16 n^3 - 135 n^2 - 387 n - 378) a(n + 1)$$

$$+ (32 n^3 + 192 n^2 + 912 n + 1312) a(n + 2)$$

$$+ (-16 n^3 - 57 n^2 - 75 n - 34) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 510\}$$

Sequence: A196289
Score: 4.16657
Type of gen. func.: ogf

$$\frac{30 x^2 (17 x^6 + 486 x^5 + 2943 x^4 + 5204 x^3 + 2943 x^2 + 486 x + 17)}{(x - 1)^{10}}$$

Sequence: A196290
Score: 3.95814
Type of gen. func.: ogf

$$2 x (x^8 + 247 x^7 + 7318 x^6 + 44089 x^5 + 78130 x^4 + 44089 x^3 + 7318 x^2 + 247 x + 1) / (x - 1)^{10}$$

Sequence: A196291
Score: 3.54164
Type of gen. func.: ogf

$$- 2 x^2 (x^8 + 502 x^7 + 23938 x^6 + 227554 x^5 + 655240 x^4 + 655114 x^3 + 227638 x^2 + 23902 x + 511) / (x - 1)^{11}$$

Sequence: A196292
Score: 3.39339
Type of gen. func.: ogf

$$- 2 x (511 x^8 + 23902 x^7 + 227638 x^6 + 655114 x^5 + 655240 x^4 + 227554 x^3 + 23938 x^2 + 502 x + 1) / (x - 1)^{11}$$

Sequence: A196294
Score: 4.10718
Type of gen. func.: ogf

$$- \frac{(2 x^6 + 15 x^5 - 3 x^4 - 16 x^3 - 7 x^2 - 3 x + 3) (x + 1)^2}{(x^4 + 7 x^3 + x - 1) (x^5 - x^4 - 4 x^3 - 5 x^2 - x + 1)}$$

Sequence: A196305
Score: 16.5124
Type of gen. func.: ogf

$$- \frac{13 x - 14}{(2 x - 1) (x - 1)}$$

Sequence: A196305
Score: 18.1511
Type of gen. func.: lgdogf

$$-\frac{56 x^2 - 116 x + 59}{(x - 1) (28 x - 29) (2 x - 1)}$$

Sequence: A196305
Score: 8.62312
Type of gen. func.: ogf

$$(31 f(x) + 407) (2 f(x) x^2 - 3 f(x) x + f(x) + 13 x - 14)$$

Sequence: A196305
Score: 9.23907
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 14, a(1) = 29\}$$

Sequence: A196316
Score: 7.86055
Type of gen. func.: lgdogf

$$-\frac{6 x^7 - 3 x^6 - 24 x^5 + 3 x^4 + 30 x^3 + 8 x^2 + 6 x + 7}{(x^2 + x + 1) (x^3 - x^2 - 2 x + 1) (3 x^3 - x^2 - 6 x - 1)}$$

Sequence: A196316
Score: 9.36434
Type of gen. func.: ogf

$$-\frac{3 x^3 - x^2 - 6 x - 1}{(x^2 + x + 1) (x^3 - x^2 - 2 x + 1)}$$

Sequence: A196317
Score: 3.39953
Type of gen. func.: ogf

$$(2 x^{10} - 3 x^{9} - 21 x^{8} - 26 x^{7} - 3 x^{6} + 20 x^{5} + 5 x^{4} - 6 x^{3} + 4 x^{2} + 6 x + 2) / (2 x^{11} + 9 x^{10} + 10 x^{9} + x^{8} - 7 x^{7} - 3 x^{6} + 2 x^{5} - 4 x^{4} - 2 x^{3} - 3 x^{2} - 2 x + 1)$$

Sequence: A196324
Score: 4.63476
Type of gen. func.: ogf

$$- \frac{x^{8} + 6 x^{7} + 8 x^{6} - x^{4} - x^{3} - 11 x^{2} - 8 x - 2}{(x + 1) (x^{8} + x^{7} - x^{6} + x^{4} - 4 x^{3} - x^{2} - 2 x + 1)}$$

Sequence: A196368
Score: 6.03493
Type of gen. func.: ogf

$$\frac{x^{11} - x^{10} - x^{9} - x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 1}{(x - 1) (x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A196382
Score: 10.9254
Type of gen. func.: ogf

$$- \frac{x^{2} (x - 2)}{(x^{3} + x - 1) (x - 1)}$$

Sequence: A196382
Score: 15.2332
Type of gen. func.: lgdogf

$$- \frac{3 x^{4} - 10 x^{3} + 7 x^{2} - 4 x + 3}{(x - 2) (x - 1) (x^{3} + x - 1)}$$

Sequence: A196382
Score: 5.58411
Type of gen. func.: ogf

$$-(17 f(x) + 35) (f(x) x^4 - f(x) x^3 + f(x) x^2 + x^3 - 2 f(x) x - 2 x^2 + f(x))$$

Sequence: A196410
Score: 10.0922
Type of gen. func.: ogf

$$(65 f(x) + 971) (4 f(x) x^2 - 4 f(x) x + f(x) + 8 x - 5)$$

Sequence: A196410
Score: 10.7002
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 4 a(n), a(0) = 5, a(1) = 12\}$$

Sequence: A196410
Score: 19.7359
Type of gen. func.: ogf

$$- \frac{8 x - 5}{(2 x - 1)^2}$$

Sequence: A196410
Score: 32.3751
Type of gen. func.: lgdogf

$$- \frac{4 (-3 + 4 x)}{(2 x - 1) (8 x - 5)}$$

Sequence: A196423
Score: 13.1967
Type of gen. func.: lgdogf

```
                4      3      2
```

$$-\frac{2 x + 7 x + 9 x + x + 3}{(x + 1) (x^4 + 3 x^3 + x^2 + x - 1)}$$

Sequence: A196423
Score: 4.98842
Type of gen. func.: ogf

(10337 f(x) - 582)

$$(f(x) x^4 + 3 f(x) x^3 + f(x) x^2 + f(x) x + x^2 - f(x) + 2 x + 1)$$

Sequence: A196423
Score: 9.75997
Type of gen. func.: ogf

$$-\frac{(x + 1)^2}{x^4 + 3 x^3 + x^2 + x - 1}$$

Sequence: A196431
Score: 4.73695
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^7 - x^6 - 4 x^5 - 4 x^4 + 4 x^3 + 4 x^2 + 3 x + 3)}{x^9 - x^8 - 5 x^7 - 5 x^6 + 4 x^5 + 6 x^4 + 5 x^3 + 3 x^2 + x - 1}$$

Sequence: A196450
Score: 6.32081
Type of gen. func.: ogf

$$-\frac{x^6 + 9 x^5 + 5 x^4 + 7 x^3 - 2 x^2 - 3}{x^7 + 5 x^6 + 3 x^5 + 2 x^4 - 3 x^3 - 2 x + 1}$$

Sequence: A196468
Score: 10.8104
Type of gen. func.: lgdogf

$$-\frac{40 x^4 + 16 x^3 - 82 x^2 - 20 x + 53}{(x - 1) (4 x^2 + 4 x - 1) (10 x^2 + 2 x - 11)}$$

Sequence: A196468
Score: 13.3971
Type of gen. func.: ogf

$$-\frac{10 x^2 + 2 x - 11}{(x - 1) (4 x^2 + 4 x - 1)}$$

Sequence: A196468
Score: 7.22393
Type of gen. func.: ogf

$$(5700 f(x) - 49511) (4 f(x) x^3 - 5 f(x) x + 10 x^2 + f(x) + 2 x - 11)$$

Sequence: A196468
Score: 7.51878
Type of gen. func.: ogf

$\{-a(n + 3) + 5 a(n + 2) - 4 a(n), a(0) = 11, a(1) = 53, a(2) = 255\}$

Sequence: A196472
Score: 5.24541
Type of gen. func.: ogf

$$-(33 f(x) - 14) (3 f(x) x^3 - 4 f(x) x + x^2 + f(x) + x - 1)$$

Sequence: A196472
Score: 5.46626
Type of gen. func.: ogf

$\{a(n + 3) - 4 a(n + 2) + 3 a(n), a(0) = 1, a(1) = 3, a(2) = 11\}$

Sequence: A196472
Score: 9.05233
Type of gen. func.: lgdogf

$$-\frac{3x^4+6x^3-5x^2-2x+3}{(x-1)(3x^2+3x-1)(x^2+x-1)}$$

Sequence: A196472
Score: 9.79802
Type of gen. func.: ogf

$$-\frac{x^2+x-1}{(x-1)(3x^2+3x-1)}$$

Sequence: A196479
Score: 5.50775
Type of gen. func.: ogf

$$-\frac{3x^7-3x^6+3x^5+4x^4+4x^3-2x^2-3}{x^8-x^7+x^6+3x^5+3x^4-4x^3-2x+1}$$

Sequence: A196488
Score: 4.67871
Type of gen. func.: ogf

$$-\frac{x^7+3x^6+8x^5+9x^4+5x^3+5x^2+2x+1}{x^8+4x^7+9x^6+15x^5+10x^4+6x^3+x^2+x-1}$$

Sequence: A196506
Score: 14.7478
Type of gen. func.: lgdogf

```
                 3      2
            2 (x  - 6 x  + 25 x + 20)
         - ------------------------------
                       3      2
```

$$(x - 1) (x - 5 x + 15 x + 5)$$

Sequence: A196506
Score: 4.59833
Type of gen. func.: ogf

$\{(2 n + 9) a(n + 1) + (-4 n - 12) a(n + 2) + (2 n + 3) a(n + 3), a(0) = 0,$

$a(1) = 15, a(2) = 120\}$

Sequence: A196506
Score: 7.48452
Type of gen. func.: ogf

$$- \frac{3 x (x^3 - 5 x^2 + 15 x + 5)}{(x - 1)^5}$$

Sequence: A196507
Score: 18.8941
Type of gen. func.: lgdogf

$$- \frac{2 x^2 - 13 x - 25}{(x - 1) (x^2 - 5 x - 5)}$$

Sequence: A196507
Score: 3.61269
Type of gen. func.: ogf

$\{(-15 - 5 n) a(n + 4) + 25 a(n + 3) + (19 + 6 n) a(n + 2) + (-n - 2) a(n + 1),$

$a(0) = 0, a(1) = 10, a(2) = 50, a(3) = 138\}$

Sequence: A196507
Score: 4.60247
Type of gen. func.: ogf

$-(1677 f(x) + 19064)$

$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 2 x^3 - 4 f(x) x - 10 x^2 + f(x) - 10 x)$

Sequence: A196507
Score: 8.95948
Type of gen. func.: ogf

$$-\frac{2 x (x^2 - 5 x - 5)}{(x - 1)^4}$$

Sequence: A196508
Score: 12.7310
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 14 x^2 + 12 x - 5}{(x - 1) (2 x - 1) (2 x^2 - 2 x + 1)}$$

Sequence: A196508
Score: 4.67495
Type of gen. func.: ogf

$$-(29 f(x) + 18)$$

$$(8 f(x) x^4 - 20 f(x) x^3 + 18 f(x) x^2 - 8 x^3 - 7 f(x) x + 8 x^2 + f(x) - 4 x)$$

Sequence: A196508
Score: 8.78891
Type of gen. func.: ogf

$$\frac{4 x (2 x^2 - 2 x + 1)}{(x - 1) (2 x - 1)^3}$$

Sequence: A196512
Score: 10.3612
Type of gen. func.: ogf

$$-28 f(x) x + f(x) + 9 x - 1$$

Sequence: A196512
Score: 12.5426
Type of gen. func.: ogf

$$\frac{-1 + 9 x}{28 x - 1}$$

Sequence: A196512
Score: 24.5150
Type of gen. func.: lgdogf

$$\frac{19}{(28 x - 1) (-1 + 9 x)}$$

Sequence: A196512
Score: 6.44077
Type of gen. func.: ogf

{a(n + 2) - 28 a(n + 1), a(0) = 1, a(1) = 19}

Sequence: A196513
Score: 13.0364
Type of gen. func.: lgdogf

$$- \frac{8 x^3 - 51 x^2 + 294 x + 154}{(x - 1) (4 x^3 - 21 x^2 + 84 x + 14)}$$

Sequence: A196513
Score: 4.63812
Type of gen. func.: ogf

{(3 n + 13) a(n + 1) + (-6 n - 17) a(n + 2) + (3 n + 4) a(n + 3), a(0) = 0,

a(1) = 28, a(2) = 308}

Sequence: A196513
Score: 7.51863

Type of gen. func.: ogf

$$-\frac{2x(4x^3-21x^2+84x+14)}{(x-1)^5}$$

Sequence: A196514
Score: 12.5242
Type of gen. func.: ogf

$$\frac{4x}{(x-1)(2x-1)^3}$$

Sequence: A196514
Score: 29.5193
Type of gen. func.: lgdogf

$$-\frac{-7+8x}{(2x-1)(x-1)}$$

Sequence: A196514
Score: 4.56179
Type of gen. func.: ogf

$\{(n+2)a(n+3)+(-10-3n)a(n+2)+(8+2n)a(n+1), a(0)=0,$

$a(1)=4, a(2)=28\}$

Sequence: A196514
Score: 5.69281
Type of gen. func.: ogf

$$(73 f(x)+76)(8 f(x) x^4-20 f(x) x^3+18 f(x) x^2-7 f(x) x+f(x)-4x)$$

Sequence: A196537
Score: 4.77465
Type of gen. func.: ogf

$(257209 f(x)+88655)$

$$(f(x)\,x^4 + 3\,f(x)\,x^3 + f(x)\,x^2 - x^3 + f(x)\,x - 2\,x^2 - f(x) + 2\,x + 1)$$

Sequence: A196537
Score: 9.05325
Type of gen. func.: ogf

$$\frac{(x - 1)\,(x^2 + 3\,x + 1)}{x^4 + 3\,x^3 + x^2 + x - 1}$$

Sequence: A196537
Score: 9.11152
Type of gen. func.: lgdogf

$$-\frac{x^6 + 4\,x^5 - x^4 - 18\,x^3 - 10\,x^2 + 2\,x - 3}{(x - 1)\,(x^2 + 3\,x + 1)\,(x^4 + 3\,x^3 + x^2 + x - 1)}$$

Sequence: A196563
Score: 8.14820
Type of gen. func.: ogf

$$-\frac{x^{21} + x^{20} + x^{10} + 1}{(x - 1)\,(x + 1)\,(x^2 + 1)\,(x^8 - x^6 + x^4 - x^2 + 1)}$$

Sequence: A196564
Score: 9.27481
Type of gen. func.: ogf

$$-\frac{x\,(2\,x^{10} + x^9 + 1)}{(x - 1)\,(x + 1)\,(x^2 + 1)\,(x^8 - x^6 + x^4 - x^2 + 1)}$$

Sequence: A196570
Score: 7.35307
Type of gen. func.: ogf

$$-\frac{2x(x^4-x^3-2x^2+x+2)}{(x+1)(2x^5-4x^4+2x^2+2x-1)}$$

Sequence: A196573
Score: 6.64524
Type of gen. func.: ogf

$$\frac{x^5-3x^4-4x^3+8x^2+x+1}{(x+1)(x^5-x^4-4x^3+x^2-3x+1)}$$

Sequence: A196574
Score: 3.42521
Type of gen. func.: ogf

$$-\frac{x^9+x^8-10x^7+13x^6-55x^5+55x^4-31x^3+14x^2+5x+1}{x^{10}-4x^9+x^8-17x^7+32x^6+12x^5+20x^4+39x^3+9x^2+2x-1}$$

Sequence: A196584
Score: 5.87572
Type of gen. func.: ogf

$$-\frac{3x^5+7x^4+x^3-7x^2-6x-1}{x^7+2x^6+x^5+3x^4-4x^3-6x^2-x+1}$$

Sequence: A196593
Score: 11.1506
Type of gen. func.: lgdogf

$$-\frac{2(4x^5+7x^3-7x^2+3x-1)}{(x-1)(2x-1)(4x^4-6x^3+8x^2-4x+1)}$$

Sequence: A196593
Score: 8.24481
Type of gen. func.: ogf

$$-\frac{4x^4-6x^3+8x^2-4x+1}{(2x-1)(x-1)^4}$$

Sequence: A196596
Score: 7.74278
Type of gen. func.: ogf

$$-\frac{4x^3-8x^2-x-1}{x^5-x^4-3x^3-2x^2-2x+1}$$

Sequence: A196597
Score: 4.02259
Type of gen. func.: ogf

$$-\frac{x^7+4x^6-16x^5+15x^4-18x^3+14x^2+5x+1}{x^8-5x^7+6x^6-3x^5-9x^4+10x^3+9x^2+2x-1}$$

Sequence: A196630
Score: 11.3024
Type of gen. func.: ogf

$$-\frac{3x^3-1}{x^4-x^3-x^2-2x+1}$$

Sequence: A196630
Score: 11.6299
Type of gen. func.: lgdogf

$$-\frac{3x^6+3x^4+8x^3-6x^2+2x+2}{(x^4-x^3-x^2-2x+1)(3x^3-1)}$$

Sequence: A196630
Score: 5.5656
Type of gen. func.: ogf

$$(5033 f(x) - 13039) (f(x) x^4 - f(x) x^3 - f(x) x^2 + 3 x^3 - 2 f(x) x + f(x) - 1)$$

Sequence: A196631
Score: 4.35495
Type of gen. func.: ogf

$$\frac{x^9 - 6 x^8 - 4 x^7 + 10 x^6 - 30 x^5 + 21 x^4 - 5 x^3 + 6 x^2 + 2 x + 1}{4 x^9 + x^8 + 12 x^6 - 5 x^5 - 5 x^4 - 4 x^3 - 3 x + 1}$$

Sequence: A196655
Score: 15.9051
Type of gen. func.: ogf

$$- \frac{80 x - 73}{(2 x - 1) (x - 1)}$$

Sequence: A196655
Score: 16.6834
Type of gen. func.: lgdogf

$$- \frac{160 x^2 - 292 x + 139}{(x - 1) (2 x - 1) (80 x - 73)}$$

Sequence: A196655
Score: 7.70659
Type of gen. func.: ogf

$$-(125 f(x) + 10196) (2 f(x) x^2 - 3 f(x) x + f(x) + 80 x - 73)$$

Sequence: A196655
Score: 8.79460
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 73, a(1) = 139\}$$

Sequence: A196657
Score: 15.8744
Type of gen. func.: ogf

$$-\frac{128 x - 127}{(2 x - 1) (x - 1)}$$

Sequence: A196657
Score: 16.6169
Type of gen. func.: lgdogf

$$-\frac{256 x^2 - 508 x + 253}{(x - 1) (2 x - 1) (128 x - 127)}$$

Sequence: A196657
Score: 7.85702
Type of gen. func.: ogf

$$-(251 f(x) + 32132) (2 f(x) x^2 - 3 f(x) x + f(x) + 128 x - 127)$$

Sequence: A196657
Score: 9.04472
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 127, a(1) = 253\}$$

Sequence: A196661
Score: 15.6613
Type of gen. func.: ogf

$$-7 f(x) x + f(x) + 2 x - 1$$

Sequence: A196661
Score: 19.0475
Type of gen. func.: ogf

$$\frac{2 x - 1}{7 x - 1}$$

Sequence: A196661
Score: 40.7290
Type of gen. func.: lgdogf

$$\frac{5}{(7 x - 1) (2 x - 1)}$$

Sequence: A196661
Score: 9.78829
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1), a(0) = 1, a(1) = 5\}$$

Sequence: A196662
Score: 15.5535
Type of gen. func.: ogf

$$-10 f(x) x + f(x) + 3 x - 1$$

Sequence: A196662
Score: 18.8279
Type of gen. func.: ogf

$$\frac{3 x - 1}{10 x - 1}$$

Sequence: A196662
Score: 39.0713
Type of gen. func.: lgdogf

$$\frac{7}{(10 x - 1) (3 x - 1)}$$

Sequence: A196662
Score: 9.80085
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 7\}$$

Sequence: A196663
Score: 15.7602
Type of gen. func.: ogf

$$-13 f(x) x + f(x) + 4 x - 1$$

Sequence: A196663
Score: 19.0781
Type of gen. func.: ogf

$$\frac{4 x - 1}{13 x - 1}$$

Sequence: A196663
Score: 39.6102
Type of gen. func.: lgdogf

$$\frac{9}{(13 x - 1) (4 x - 1)}$$

Sequence: A196663
Score: 9.93105
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1), a(0) = 1, a(1) = 9\}$$

Sequence: A196664
Score: 15.1063
Type of gen. func.: ogf

$$-16 f(x) x + f(x) + 5 x - 1$$

Sequence: A196664
Score: 18.2865
Type of gen. func.: ogf

$$\frac{5 x - 1}{16 x - 1}$$

Sequence: A196664
Score: 35.9532
Type of gen. func.: lgdogf

$$\frac{11}{(16 x - 1) (5 x - 1)}$$

Sequence: A196664
Score: 9.39038
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 11\}$$

Sequence: A196665
Score: 14.0749
Type of gen. func.: ogf

$$-19 f(x) x + f(x) + 6 x - 1$$

Sequence: A196665
Score: 17.0380
Type of gen. func.: ogf

$$\frac{6 x - 1}{19 x - 1}$$

Sequence: A196665
Score: 33.4674
Type of gen. func.: lgdogf

$$\frac{13}{}$$

```
                        (19 x - 1) (6 x - 1)


------------------------------------------------------------------------------

Sequence:  A196665
Score: 8.74923
Type of gen. func.: ogf


                 {a(n + 2) - 19 a(n + 1), a(0) = 1, a(1) = 13}



------------------------------------------------------------------------------

Sequence:  A196666
Score: 14.5775
Type of gen. func.: ogf


                          -22 f(x) x + f(x) + 7 x - 1



------------------------------------------------------------------------------

Sequence:  A196666
Score: 17.6465
Type of gen. func.: ogf


                                    7 x - 1
                                    --------
                                    22 x - 1



------------------------------------------------------------------------------

Sequence:  A196666
Score: 34.6844
Type of gen. func.: lgdogf


                                       15
                              --------------------
                              (22 x - 1) (7 x - 1)



------------------------------------------------------------------------------

Sequence:  A196666
Score: 9.06170
Type of gen. func.: ogf


                 {a(n + 2) - 22 a(n + 1), a(0) = 1, a(1) = 15}



------------------------------------------------------------------------------

Sequence:  A196676
Score: 11.6931
Type of gen. func.: ogf


                          -25 f(x) x + f(x) + 8 x - 1
```

Sequence: A196676
Score: 14.1548
Type of gen. func.: ogf

$$\frac{-1 + 8 x}{25 x - 1}$$

Sequence: A196676
Score: 27.7259
Type of gen. func.: lgdogf

$$\frac{17}{(25 x - 1) (-1 + 8 x)}$$

Sequence: A196676
Score: 7.26868
Type of gen. func.: ogf

$$\{a(n + 2) - 25 a(n + 1), a(0) = 1, a(1) = 17\}$$

Sequence: A196678
Score: 3.87110
Type of gen. func.: ogf

$$\{(256 n^3 + 1920 n^2 + 4784 n + 3960) a(n + 1) + (-27 n^3 - 243 n^2 - 708 n - 660) a(n + 2), a(0) = 1, a(1) = 5\}$$

Sequence: A196690
Score: 4.80268
Type of gen. func.: ogf

$$(20654 f(x) - 33233) (f(x) x^4 - 2 x^4 - 3 f(x) x^2 + 3 x^3 - 2 f(x) x + 5 x^2 + f(x) - x - 2)$$

Sequence: A196690
Score: 7.94162
Type of gen. func.: lgdogf

$$\frac{3 x^6 - 2 x^5 - 6 x^4 + 12 x^3 + 4 x^2 + 2 x + 5}{(2 x^4 - 3 x^3 - 5 x^2 + x + 2) (x^4 - 3 x^2 - 2 x + 1)}$$

Sequence: A196690
Score: 8.42029
Type of gen. func.: ogf

$$\frac{2 x^4 - 3 x^3 - 5 x^2 + x + 2}{x^4 - 3 x^2 - 2 x + 1}$$

Sequence: A196700
Score: 10.3747
Type of gen. func.: ogf

$$\frac{x^3 - x^2 - x - 1}{x^3 + x^2 + x - 1}$$

Sequence: A196700
Score: 14.9308
Type of gen. func.: lgdogf

$$\frac{2 (x^4 + 2 x^3 + 2 x + 1)}{(x^3 + x^2 + x - 1) (x^3 - x^2 - x - 1)}$$

Sequence: A196700
Score: 5.42311
Type of gen. func.: ogf

{-a(n + 4) + a(n + 3) + a(n + 2) + a(n + 1), a(0) = 1, a(1) = 2, a(2) = 4,

a(3) = 6}

Sequence: A196700
Score: 7.37991
Type of gen. func.: ogf

$$f(x) x^3 + f(x) x^2 - x^3 + f(x) x + x^2 - f(x) + x + 1$$

Sequence: A196701
Score: 4.76707
Type of gen. func.: ogf

$$\frac{2 x^7 - x^6 - 7 x^5 - 6 x^4 - 22 x^3 - 19 x^2 - 9 x - 2}{2 x^7 + 2 x^6 - x^5 + 9 x^4 + 16 x^3 + 4 x^2 + x - 1}$$

Sequence: A196731
Score: 10.8401
Type of gen. func.: ogf

$$-12 f(x) x + f(x) + x - 1$$

Sequence: A196731
Score: 13.1222
Type of gen. func.: ogf

$$\frac{x - 1}{12 x - 1}$$

Sequence: A196731
Score: 28.6654
Type of gen. func.: lgdogf

$$\frac{11}{(12 x - 1) (x - 1)}$$

Sequence: A196731
Score: 6.73845
Type of gen. func.: ogf

$\{a(n + 2) - 12 a(n + 1), a(0) = 1, a(1) = 11\}$

Sequence: A196741
Score: 4.56844
Type of gen. func.: ogf

$$-\frac{2x^7 - 2x^6 - 10x^5 + 2x^4 + 4x^3 + 9x^2 + x + 1}{x^8 - 5x^7 + 4x^6 - 11x^5 + 2x^4 + 12x^3 + 5x^2 + 2x - 1}$$

Sequence: A196781
Score: 5.87572
Type of gen. func.: ogf

$$-\frac{4x^5 - 8x^4 + 5x^3 - 9x^2 - x - 1}{2x^7 - 2x^6 - 6x^5 - 3x^4 - 4x^3 - 2x^2 - 2x + 1}$$

Sequence: A196782
Score: 3.24061
Type of gen. func.: ogf

$$-(3x^9 + 12x^8 - 17x^7 + x^6 - 47x^5 + 13x^4 - 18x^3 + 15x^2 + 5x + 1) \Big/ (3x^{10} - 13x^9 + 13x^8 - 14x^7 - 28x^6 - 6x^5 - x^4 + 15x^3 + 10x^2 + 2x - 1)$$

Sequence: A196789
Score: 4.41240
Type of gen. func.: ogf

$$-\frac{11x^5 + 165x^4 + 462x^3 + 330x^2 + 55x + 1}{(x - 1)^{11}}$$

Sequence: A196789
Score: 6.27780

Type of gen. func.: ogf

$$\{(2 n^2 + 27 n + 91) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2), a(0) = 1, a(1) = 66\}$$

Sequence: A196789

Score: 9.25777

Type of gen. func.: lgdogf

$$-\frac{22 (x + 3) (3 x + 1) (x + 1) (x^2 + 14 x + 1)}{(x - 1) (11 x^5 + 165 x^4 + 462 x^3 + 330 x^2 + 55 x + 1)}$$

Sequence: A196790

Score: 3.69092

Type of gen. func.: ogf

$$-\frac{x^5 + 55 x^4 + 330 x^3 + 462 x^2 + 165 x + 11}{(x - 1)^{11}}$$

Sequence: A196790

Score: 5.08591

Type of gen. func.: ogf

$$\{(2 n^2 + 29 n + 105) a(n + 1) + (-2 n^2 - 9 n - 10) a(n + 2), a(0) = 11, a(1) = 286\}$$

Sequence: A196790

Score: 6.96010

Type of gen. func.: lgdogf

$$-\frac{2 (3 x^5 + 195 x^4 + 1430 x^3 + 2574 x^2 + 1287 x + 143)}{(x - 1) (x^5 + 55 x^4 + 330 x^3 + 462 x^2 + 165 x + 11)}$$

Sequence: A196791

Score: 12.2072

Type of gen. func.: ogf

$$-\frac{11 x - 1}{(12 x - 1) (x - 1)}$$

Sequence: A196791
Score: 13.6706
Type of gen. func.: lgdogf

$$-\frac{2 (66 x^2 - 12 x + 1)}{(x - 1) (12 x - 1) (11 x - 1)}$$

Sequence: A196791
Score: 6.23344
Type of gen. func.: ogf

$$-(37 f(x) - 33) (12 f(x) x^2 - 13 f(x) x + f(x) + 11 x - 1)$$

Sequence: A196791
Score: 6.97552
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1) + 12 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A196792
Score: 12.4525
Type of gen. func.: ogf

$$-\frac{12 x - 1}{(13 x - 1) (x - 1)}$$

Sequence: A196792
Score: 13.9510
Type of gen. func.: lgdogf

$$-\frac{2 (78 x^2 - 13 x + 1)}{(x - 1) (13 x - 1) (12 x - 1)}$$

Sequence: A196792
Score: 6.49697
Type of gen. func.: ogf

$$-(f(x) + 1) (13 f(x) x^2 - 14 f(x) x + f(x) + 12 x - 1)$$

Sequence: A196792
Score: 7.11573
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1) + 13 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A196794
Score: 33.4394
Type of gen. func.: lgdegf]

$$\exp(x) (\exp(-x) + 2 + 2 x)$$

Sequence: A196795
Score: 32.2442
Type of gen. func.: lgdegf]

$$\exp(x) (\exp(-x) + 3 + 3 x)$$

Sequence: A196804
Score: 6.28138
Type of gen. func.: ogf

$$\frac{4 x^5 - 12 x^4 - 4 x^3 + 8 x^2 + x + 1}{4 x^6 - 3 x^5 - 17 x^4 - 3 x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A196834
Score: 73.3954
Type of gen. func.: lgdegf]

$$5 + \exp(x)$$

Sequence: A196835
Score: 97.3711
Type of gen. func.: lgdegf]

$$5 - \exp(x)$$

Sequence: A196836
Score: 5.11987
Type of gen. func.: ogf

$$(54 f(x) + 317) (24 f(x) x^4 - 50 f(x) x^3 + 35 f(x) x^2 + 25 x^3 - 10 f(x) x - 35 x^2 + f(x) + 15 x - 2)$$

Sequence: A196836
Score: 8.95977
Type of gen. func.: ogf

$$- \frac{(5 x - 2) (5 x^2 - 5 x + 1)}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A196850
Score: 4.75547
Type of gen. func.: ogf

$$\frac{6 x^7 - x^6 - 2 x^5 - x^4 - 20 x^3 - 19 x^2 - 9 x - 2}{2 x^7 + 2 x^6 - 3 x^5 + 10 x^4 + 17 x^3 + 4 x^2 + x - 1}$$

Sequence: A196858
Score: 6.39541
Type of gen. func.: ogf

$$- \frac{x^5 - 2 x^4 + 2 x^3 - 2 x^2 - x - 1}{x^6 - 2 x^5 + 2 x^4 - 3 x^3 + x^2 - 2 x + 1}$$

Sequence: A196859
Score: 3.60983
Type of gen. func.: ogf

$$-\frac{3x^9+5x^8+6x^7+13x^6+11x^5-2x^4-x^3-x^2-x-1}{3x^{10}+8x^9+8x^8+6x^7+3x^6-x^5+x^4-2x^3+x^2-3x+1}$$

Sequence: A196864
Score: 3.04875
Type of gen. func.: ogf

$$\{(17496n^2+5832n)a(n)+(972n^2+3240n+2376)a(n+1)+(54n^2+180n+132)a(n+2)+(3n^2+19n+30)a(n+3),\ a(0)=1,\ a(1)=3,\ a(2)=-9\}$$

Sequence: A196865
Score: 3.04875
Type of gen. func.: ogf

$$\{(17496n^2-5832n)a(n)+(-972n^2-2592n-1404)a(n+1)+(54n^2+144n+78)a(n+2)+(-3n^2-17n-24)a(n+3),\ a(0)=1,\ a(1)=3,\ a(2)=18\}$$

Sequence: A196875
Score: 10.2852
Type of gen. func.: ogf

$$\frac{x^5-3x^4+2x-1}{(x^4+x^3+x^2+x-1)(x-1)^2}$$

Sequence: A196875
Score: 8.01674
Type of gen. func.: lgdogf

$$-\frac{x^9 - 5 x^8 - 2 x^7 - 2 x^6 + 14 x^5 - 24 x^4 + 13 x^3 + x^2 - 3 x + 1}{(x - 1) (x^4 + x^3 + x^2 + x - 1) (x^5 - 3 x^4 + 2 x - 1)}$$

Sequence: A196876
Score: 10.2231
Type of gen. func.: ogf

$$\frac{4 x^8 - 6 x^7 + 2 x - 1}{(x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1) (x - 1)^2}$$

Sequence: A196899
Score: 3.67241
Type of gen. func.: ogf

$$\frac{2 x^9 - 7 x^8 - 11 x^7 + 17 x^6 + 14 x^5 + 18 x^4 - 2 x^3 - 7 x^2 - x - 1}{2 x^{10} + x^9 - 14 x^8 - 6 x^7 + 2 x^6 - 33 x^5 - 2 x^4 + 8 x^3 + 7 x^2 + 2 x - 1}$$

Sequence: A196906
Score: 7.16802
Type of gen. func.: ogf

$$-\frac{x^5 + x^4 - 3 x^3 - 3 x^2 - 4 x - 2}{x^6 - 2 x^4 - 3 x^3 - 2 x^2 - x + 1}$$

Sequence: A196917
Score: 5.10121
Type of gen. func.: ogf

$$-(40799 f(x) + 8101)$$

$$(f(x) x^4 - f(x) x^3 - x^4 + 3 x^3 - 2 f(x) x - x^2 + f(x) - x - 1)$$

Sequence: A196917

Score: 9.14244
Type of gen. func.: ogf

$$\frac{x^4 - 3 x^3 + x^2 + x + 1}{x^4 - x^3 - 2 x + 1}$$

Sequence: A196917
Score: 9.32746
Type of gen. func.: lgdogf

$$\frac{2 x^6 - 2 x^5 - 8 x^4 + 14 x^3 - 8 x^2 + 2 x + 3}{(x^4 - 3 x^3 + x^2 + x + 1) (x^4 - x^3 - 2 x + 1)}$$

Sequence: A196918
Score: 4.73479
Type of gen. func.: ogf

$$\frac{6 x^8 + 7 x^7 - 11 x^6 - 17 x^5 - x^4 - x^2 + 1}{3 x^8 + 8 x^7 + 5 x^6 + x^5 + x^4 - x^3 + 3 x^2 - 4 x + 1}$$

Sequence: A196933
Score: 14.5724
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{10} + x^9 + 1}{x^{11} - 1}$$

Sequence: A196952
Score: 4.12419
Type of gen. func.: ogf

$$\frac{x^9 - 2 x^8 - 6 x^7 - 2 x^6 + 12 x^5 + 11 x^4 - x^3 - 5 x^2 - 6 x - 3}{x^9 - 6 x^7 - 9 x^6 + x^5 + 10 x^4 + 8 x^3 + 4 x^2 + x - 1}$$

Sequence: A196961
Score: 5.87572
Type of gen. func.: ogf

$$-\frac{4x^6-5x^5-8x^4-4x^3-3x^2+2x+2}{(x-1)(2x^6-x^5-6x^4-6x^3-4x^2-x+1)}$$

Sequence: A196976
Score: 6.58552
Type of gen. func.: lgdogf

$$-\frac{x^9+3x^8-5x^7+x^6-5x^5-x^4+2x^3+6x^2+3x+5}{(x+1)(x^6+2x^4-4x^3-x^2-2x+1)(x^3-x-1)}$$

Sequence: A196976
Score: 6.79646
Type of gen. func.: ogf

$$-\frac{(x^3-x-1)(x+1)^2}{x^6+2x^4-4x^3-x^2-2x+1}$$

Sequence: A196984
Score: 4.01628
Type of gen. func.: ogf

$$-\frac{2x^8+5x^7+3x^6-4x^5-7x^4-3x^3-5x^2-2x-1}{x^9+4x^8+4x^7-4x^6-14x^5-11x^4-6x^3-2x^2-x+1}$$

Sequence: A197049
Score: 7.46520
Type of gen. func.: lgdogf

$$\frac{x^8-8x^7+2x^6+4x^5+6x^4-4x^3-5x^2-6x-2}{}$$

$$(x^5 + x^4 - 3x^3 - x^2 - x + 1)(x^5 + x^3 - 2x^2 - x - 1)$$

Sequence: A197049
Score: 7.53262
Type of gen. func.: ogf

$$-\frac{2(x^5 + x^3 - 2x^2 - x - 1)}{x^5 + x^4 - 3x^3 - x^2 - x + 1}$$

Sequence: A197050
Score: 5.98087
Type of gen. func.: ogf

$$\frac{x^6 - 2x^5 - 3x^4 - 3x^3 + 3x^2 + 3x + 3}{x^6 + 2x^5 + x^4 - 3x^3 - 3x^2 - x + 1}$$

Sequence: A197056
Score: 7.93769
Type of gen. func.: ogf

$$-\frac{x^5 + 2x^4 + 4x^3 + 3x^2 + 2x + 1}{(x + 1)(x^5 + 2x^3 - 2x^2 + 2x - 1)}$$

Sequence: A197057
Score: 4.88103
Type of gen. func.: ogf

$$-\frac{(x + 1)(x^2 + x + 1)(2x^5 + x^4 - 2x^2 - x - 1)}{2x^9 + 3x^8 + x^7 - 2x^6 - 3x^5 - 2x^4 - x^3 - x + 1}$$

Sequence: A197083
Score: 3.96854
Type of gen. func.: ogf

$$\{(575 n^2 + 3662 n + 5811) a(n + 1) + (-952 n^2 - 4743 n - 12815) a(n + 2) + (377 n^2 + 2071 n + 2634) a(n + 3), a(0) = 0, a(1) = 10, a(2) = 96\}$$

Sequence: A197083
Score: 7.70590
Type of gen. func.: ogf

$$\frac{x (x^3 + 19 x^2 + 36 x + 10)}{(x - 1)^6}$$

Sequence: A197092
Score: 5.15234
Type of gen. func.: ogf

$$-(9298 f(x) + 7955)$$

$$(f(x) x^4 - 3 f(x) x^2 + 2 x^3 - 2 f(x) x - x^2 + f(x) - 5 x - 1)$$

Sequence: A197092
Score: 8.80568
Type of gen. func.: lgdogf

$$- \frac{2 x^6 - 2 x^5 - 9 x^4 + 4 x^3 + 7 x^2 + 8 x + 7}{(x^4 - 3 x^2 - 2 x + 1) (2 x^3 - x^2 - 5 x - 1)}$$

Sequence: A197092
Score: 9.63264
Type of gen. func.: ogf

$$- \frac{2 x^3 - x^2 - 5 x - 1}{x^4 - 3 x^2 - 2 x + 1}$$

Sequence: A197102

Score: 6.62948
Type of gen. func.: ogf

$$\frac{8 x^5 - 7 x^3 - 6 x^2 + 2 x + 2}{4 x^5 + 4 x^4 - 3 x^3 - 5 x^2 - 2 x + 1}$$

Sequence: A197174
Score: 4.77379
Type of gen. func.: ogf

$$- \frac{(x + 1) (3 x^6 - 6 x^4 - x^3 - 3 x^2 + 2 x + 1)}{x^8 + x^7 - 2 x^6 - 4 x^5 - x^4 + 2 x^3 + x^2 + 2 x - 1}$$

Sequence: A197189
Score: 17.3041
Type of gen. func.: ogf

$$\frac{x - 1}{5 x^2 + 3 x - 1}$$

Sequence: A197189
Score: 21.2682
Type of gen. func.: lgdogf

$$- \frac{5 x^2 - 10 x - 2}{(x - 1) (5 x^2 + 3 x - 1)}$$

Sequence: A197189
Score: 8.74927
Type of gen. func.: ogf

$$(141 f(x) - 125) (5 f(x) x^2 + 3 f(x) x - f(x) - x + 1)$$

Sequence: A197189

Score: 9.49617
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) + 5 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A197192
Score: 48.6368
Type of gen. func.: lgdogf

$$-\frac{70}{7 x - 1}$$

Sequence: A197192
Score: 5.61296
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (77 + 7 n) a(n + 1), a(0) = 1, a(1) = 70\}$$

Sequence: A197193
Score: 70.6493
Type of gen. func.: lgdogf

$$-\frac{77}{7 x - 1}$$

Sequence: A197193
Score: 8.11108
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (84 + 7 n) a(n + 1), a(0) = 1, a(1) = 77\}$$

Sequence: A197194
Score: 66.7406
Type of gen. func.: lgdogf

$$-\frac{90}{-1 + 9 x}$$

Sequence: A197194
Score: 7.66665
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (99 + 9 n) a(n + 1), a(0) = 1, a(1) = 90\}$$

Sequence: A197201
Score: 5.13029
Type of gen. func.: ogf

$$-\frac{(x + 1) (4 x^6 - x^5 - 3 x^4 - 7 x^3 + 2 x + 1)}{2 x^8 + x^7 - 8 x^5 - 4 x^4 + 2 x^3 + 4 x^2 + 2 x - 1}$$

Sequence: A197209
Score: 3.02402
Type of gen. func.: ogf

$$\{(8 n^2 + 64 n + 120) a(n + 1) + (7 n^2 + 63 n + 138) a(n + 2)$$

$$+ (-n^2 - 10 n - 21) a(n + 3), a(0) = 3, a(1) = 24, a(2) = 180\}$$

Sequence: A197211
Score: 7.82712
Type of gen. func.: lgdogf

$$-\frac{(x + 1) (x^7 - 3 x^6 + 7 x^5 - 5 x^4 + 12 x^3 - 2 x^2 + 4 x + 2)}{(x^5 + 2 x^3 + x^2 + x - 1) (x^4 - x^3 + 2 x^2 + x + 1)}$$

Sequence: A197211
Score: 8.35855
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 + 2 x^2 + x + 1}{x^5 + 2 x^3 + x^2 + x - 1}$$

Sequence: A197229
Score: 6.64193
Type of gen. func.: ogf

$$-\frac{2 x^5 + x^4 + 4 x^3 - 2 x^2 - 6 x - 1}{x^6 + x^5 + x^4 - 2 x^3 - 3 x^2 - x + 1}$$

Sequence: A197244
Score: 8.56599
Type of gen. func.: ogf

$$-\frac{2 (x - 1) (x + 1)^3}{2 x^5 - x^4 - 2 x^3 - 4 x^2 + 1}$$

Sequence: A197244
Score: 9.19243
Type of gen. func.: lgdogf

$$-\frac{2 (x^6 + 2 x^5 - 5 x^4 + 4 x^3 - x^2 + 2 x + 1)}{(x - 1) (x + 1) (2 x^5 - x^4 - 2 x^3 - 4 x^2 + 1)}$$

Sequence: A197271
Score: 5.59622
Type of gen. func.: ogf

$$\{(256 n^3 + 1152 n^2 + 1712 n + 840) a(n + 1)$$

$$+ (-27 n^3 - 189 n^2 - 438 n - 336) a(n + 2), a(0) = 5, a(1) = 2\}$$

Sequence: A197272
Score: 3.27491
Type of gen. func.: ogf

$$\{(3125 n^4 + 18750 n^3 + 41875 n^2 + 41250 n + 15120) a(n + 1)$$

$$+ (-256 n^4 - 2176 n^3 - 6896 n^2 - 9656 n - 5040) a(n + 2), a(0) = 3,$$

a(1) = 1}

Sequence: A197274
Score: 5.87215
Type of gen. func.: ogf

$$-\frac{(2 x^{4} + x^{2} + 3 x - 3) (x + 1)^{2}}{2 x^{7} + x^{6} + 2 x^{5} + 2 x^{4} - 2 x^{3} - 2 x + 1}$$

Sequence: A197311
Score: 6.48742
Type of gen. func.: ogf

$$\frac{6 x^{6} - 7 x^{5} - 2 x^{4} + 5 x^{3} - 3 x^{2} - x + 1}{(3 x^{2} - 1) (x^{5} - 3 x^{3} + 3 x^{2} + x - 1)}$$

Sequence: A197321
Score: 58.5300
Type of gen. func.: lgdogf

$$-\frac{88}{-1 + 8 x}$$

Sequence: A197321
Score: 6.73510
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (96 + 8 n) a(n + 1), a(0) = 1, a(1) = 88}

Sequence: A197337
Score: 3.27481
Type of gen. func.: ogf

$$- (3 x^{11} - 6 x^{10} - 7 x^{9} - 5 x^{8} - 8 x^{7} + 7 x^{6} + 8 x^{5} + 12 x^{3} + x^{2} + 3 x + 1)$$

$$/ \; (2 x^{12} - 4 x^{11} - 6 x^{10} - 4 x^{9} - 3 x^{8} + 2 x^{7} + 6 x^{6} + 4 x^{5} + 7 x^{4}$$

$$+ 4 x^3 + 2 x - 1)$$

Sequence: A197344
Score: 7.75613
Type of gen. func.: ogf

$$- \frac{4 x^4 - 3 x^3 - 7 x^2 - 1}{4 x^5 - 7 x^4 - 4 x^3 - x^2 - x + 1}$$

Sequence: A197355
Score: 6.01229
Type of gen. func.: ogf

$$\{(-2 n - 4) a(n + 1) + a(n + 3) - 8 a(n + 2), a(0) = 1, a(1) = 8, a(2) = 66\}$$

Sequence: A197368
Score: 5.01795
Type of gen. func.: ogf

$$- \frac{9 x^7 - 9 x^6 - 37 x^5 + 17 x^4 - 32 x^3 + 24 x^2 + x + 1}{3 x^8 - 5 x^7 - 7 x^6 - 3 x^4 + 7 x^3 + 2 x^2 + 2 x - 1}$$

Sequence: A197403
Score: 4.14132
Type of gen. func.: ogf

$$- \frac{(2 x^6 + 8 x^5 - 3 x^4 - 9 x^3 - 7 x^2 - 3 x + 3) (x + 1)^2}{2 x^9 + 5 x^8 - 12 x^7 - 30 x^6 - 39 x^5 - 10 x^4 + 7 x^3 + 4 x^2 + 2 x - 1}$$

Sequence: A197424
Score: 7.06203
Type of gen. func.: ogf

$$x^4 - 5 x^3 - 15 x^2 + 16 x + 4$$

$$- \frac{\qquad}{(x-1)\,(x^2+3\,x+1)\,(x^2-7\,x+1)}$$

Sequence: A197435
Score: 4.81365
Type of gen. func.: ogf

$$(103\,f(x)-279)\,(2\,f(x)\,x^4+3\,f(x)\,x^3-6\,x^4+2\,f(x)\,x^2-3\,x^3+f(x)\,x - 2\,x^2-f(x)+3\,x+3)$$

Sequence: A197435
Score: 7.64963
Type of gen. func.: lgdogf

$$\frac{2\,(6\,x^6+8\,x^5+18\,x^4+12\,x^3+13\,x^2+4\,x+3)}{(6\,x^4+3\,x^3+2\,x^2-3\,x-3)\,(2\,x^4+3\,x^3+2\,x^2+x-1)}$$

Sequence: A197435
Score: 8.43806
Type of gen. func.: ogf

$$\frac{6\,x^4+3\,x^3+2\,x^2-3\,x-3}{2\,x^4+3\,x^3+2\,x^2+x-1}$$

Sequence: A197444
Score: 4.92389
Type of gen. func.: ogf

$$\frac{3\,x^7-x^6-7\,x^5-7\,x^4+5\,x^3+8\,x^2-x-2}{(x-1)\,(x^7+5\,x^6+5\,x^5+4\,x^4-2\,x^3-6\,x^2-x+1)}$$

Sequence: A197469
Score: 7.73127
Type of gen. func.: lgdogf

$$\frac{2\,(2\,x+1)\,(4\,x^4-2\,x^3-x^2-x-1)\,(x^2+x+1)}{(2\,x-1)\,(2\,x^2+x+1)\,(2\,x^5+4\,x^4+2\,x^3+4\,x^2+x+1)}$$

Sequence: A197469
Score: 9.31699
Type of gen. func.: ogf

$$-\frac{2\,x^5+4\,x^4+2\,x^3+4\,x^2+x+1}{(2\,x-1)\,(2\,x^2+x+1)}$$

Sequence: A197497
Score: 5.08583
Type of gen. func.: ogf

$(295448\,f(x)+275503)$

$$(f(x)\,x^4-2\,f(x)\,x^3-f(x)\,x^2+3\,x^3-f(x)\,x-7\,x^2+f(x)-1)$$

Sequence: A197497
Score: 9.14472
Type of gen. func.: lgdogf

$$-\frac{3\,x^6-14\,x^5+17\,x^4+2\,x^3-10\,x^2+16\,x+1}{(3\,x^3-7\,x^2-1)\,(x^4-2\,x^3-x^2-x+1)}$$

Sequence: A197497
Score: 9.96266
Type of gen. func.: ogf

$$-\frac{3\,x^3-7\,x^2-1}{x^4-2\,x^3-x^2-x+1}$$

Sequence: A197524
Score: 4.06084
Type of gen. func.: ogf

$$-\frac{73x^7-181x^6+31x^5+39x^4-20x^3+24x^2+x+1}{16x^9-9x^8-99x^7+31x^6+21x^5+10x^4+19x^3+2x^2+2x-1}$$

Sequence: A197531
Score: 5.83118
Type of gen. func.: ogf

$$-\frac{(2x^5+x^4-2x^3-2x^2-6x+3)(x+1)^2}{(x^3+x^2+x-1)(x^5-x^3-x^2-2x+1)}$$

Sequence: A197539
Score: 5.59968
Type of gen. func.: ogf

$$-\frac{6x^7-7x^6+3x^5+5x^4-9x^3-3x^2-4x-1}{2x^8-3x^7+x^6+3x^5-4x^4-2x^3-x+1}$$

Sequence: A197602
Score: 10.2314
Type of gen. func.: ogf

$$\frac{x^6-3x^5+6x^4-14x^3+25x^2-17x+8}{(x-1)^4}$$

Sequence: A197602
Score: 12.4812
Type of gen. func.: lgdogf

$$\frac{2x^6-9x^5+15x^4-10x^3-8x^2+x-15}{(x-1)(x^6-3x^5+6x^4-14x^3+25x^2-17x+8)}$$

```
------------------------------------------------------------------------------

Sequence:  A197603
Score: 12.5050
Type of gen. func.: lgdogf


                  6      5       4       3       2
                 x  - 6 x  + 21 x  - 34 x  + 87 x  + 12 x + 39
                ------------------------------------------------
                          6       4       3       2
                (x - 1) (x  - 21 x  + 59 x  - 88 x  + 41 x - 16)



------------------------------------------------------------------------------

Sequence:  A197603
Score: 9.51722
Type of gen. func.: ogf


                      6       4       3       2
                     x  - 21 x  + 59 x  - 88 x  + 41 x - 16
                     --------------------------------------
                                                   5
                                    (x - 1)



------------------------------------------------------------------------------

Sequence:  A197604
Score: 5.10695
Type of gen. func.: ogf


  15      14       13       12      11      9       8       7       6       5
(x   - 5 x   + 10 x   - 10 x   + 5 x   - 5 x  + 11 x  - 13 x  + 16 x  - 62 x

            4        3        2                /        6
     + 191 x  - 265 x  + 309 x  - 95 x + 32)  /  (x - 1)
                                             /



------------------------------------------------------------------------------

Sequence:  A197605
Score: 4.45608
Type of gen. func.: ogf


  9      8       7        6        5         4        3         2
(x  - 3 x  + 15 x  - 125 x  + 455 x  - 1017 x  + 821 x  - 1007 x  + 204 x - 64)

       /        7
      /  (x - 1)
     /



------------------------------------------------------------------------------

Sequence:  A197607
Score: 4.59831
Type of gen. func.: ogf
```

$$-\frac{(x+1)(x^6+2x^4-5x^3-x^2-2x-1)}{x^8+x^7-2x^6-2x^5-x^4-4x^3-x^2-2x+1}$$

Sequence: A197616
Score: 3.82742
Type of gen. func.: ogf

$$-(f(x)-1)^3$$

Sequence: A197617
Score: 14.3213
Type of gen. func.: ogf

$$-\frac{8x^2}{x^4+4x^3+x^2-1}$$

Sequence: A197617
Score: 18.8708
Type of gen. func.: lgdogf

$$-\frac{2x(2x^2+6x+1)}{x^4+4x^3+x^2-1}$$

Sequence: A197617
Score: 6.55837
Type of gen. func.: ogf

$$-(f(x)+8)(f(x)x^4+4f(x)x^3+f(x)x^2+8x^2-f(x))$$

Sequence: A197642
Score: 6.34526
Type of gen. func.: ogf

$$8x^5+23x^4-6x^3-6x^2-1$$

$$- \frac{}{(x - 1) (8 x^5 + 17 x^4 + 3 x^3 + 2 x^2 + x - 1)}$$

Sequence: A197649
Score: 11.4607
Type of gen. func.: ogf

$$\frac{x (x + 1)}{(x^2 - 3 x + 1)^2}$$

Sequence: A197649
Score: 24.0778
Type of gen. func.: lgdogf

$$- \frac{3 x^2 + x - 7}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A197649
Score: 3.83964
Type of gen. func.: ogf

{(n + 3) a(n + 4) + (-11 - 2 n) a(n + 3) + (-1 - 2 n) a(n + 2)

+ (n + 3) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 7, a(3) = 31}

Sequence: A197649
Score: 5.77413
Type of gen. func.: ogf

$$(2825 f(x) + 573) (f(x) x^4 - 6 f(x) x^3 + 11 f(x) x^2 - 6 f(x) x - x^2 + f(x) - x)$$

Sequence: A197652
Score: 14.4065
Type of gen. func.: ogf

$$\frac{x (9 x + 1)}{(x + 1) (x - 1)^2}$$

Sequence: A197652
Score: 22.4749
Type of gen. func.: lgdogf

$$-\frac{2\,(9\,x^{2}+6\,x+5)}{(x-1)\,(9\,x+1)\,(x+1)}$$

Sequence: A197652
Score: 7.20326
Type of gen. func.: ogf

$$(6140\,f(x)+71111)\,(f(x)\,x^{3}-f(x)\,x^{2}-f(x)\,x-9\,x^{2}+f(x)-x)$$

Sequence: A197652
Score: 7.33188
Type of gen. func.: ogf

$$\{a(n+3)-a(n+2)-a(n+1)+a(n),\ a(0)=0,\ a(1)=1,\ a(2)=10\}$$

Sequence: A197666
Score: 3.97791
Type of gen. func.: ogf

$$-\frac{(x-1)\,(2\,x^{6}+15\,x^{5}-3\,x^{4}-20\,x^{3}-11\,x^{2}-3\,x+3)\,(x+1)^{2}}{(x^{5}+6\,x^{4}-7\,x^{3}-x^{2}-2\,x+1)\,(x^{5}-x^{4}-4\,x^{3}-5\,x^{2}-x+1)}$$

Sequence: A197773
Score: 7.90661
Type of gen. func.: ogf

$$\frac{x^{6}-3\,x^{5}+5\,x^{4}-11\,x^{3}+22\,x^{2}-16\,x+8}{(x-1)^{4}}$$

Sequence: A197773
Score: 9.38764
Type of gen. func.: lgdogf

$$\frac{2x^6 - 9x^5 + 15x^4 - 9x^3 - 11x^2 + 4x - 16}{(x - 1)(x^6 - 3x^5 + 5x^4 - 11x^3 + 22x^2 - 16x + 8)}$$

Sequence: A197883
Score: 5.52080
Type of gen. func.: ogf

$$-\frac{x(7x^7 - 5x^5 + 9x^4 - x^3 - 2x^2 - 3x - 4)}{(x - 1)(5x^8 + 5x^7 - 2x^6 + 2x^5 + 5x^4 + 4x^3 + 2x^2 - x - 1)}$$

Sequence: A197903
Score: 7.01258
Type of gen. func.: ogf

$$\frac{x^6 - x^5 - 17x^4 + 53x^3 - 84x^2 + 40x - 16}{(x - 1)^5}$$

Sequence: A197903
Score: 9.51339
Type of gen. func.: lgdogf

$$\frac{x^6 - 6x^5 + 22x^4 - 38x^3 + 93x^2 + 8x + 40}{(x - 1)(x^6 - x^5 - 17x^4 + 53x^3 - 84x^2 + 40x - 16)}$$

Sequence: A197904
Score: 3.94377
Type of gen. func.: ogf

$$(x^{15} - 5x^{14} + 10x^{13} - 10x^{12} + 5x^{11} - 5x^9 + 11x^8 - 13x^7 + 15x^6 - 57x^5 + 181x^4 - 255x^3 + 304x^2 - 94x + 32) / (x - 1)^6$$

Sequence: A197905
Score: 4.48260
Type of gen. func.: ogf

$$(x^9 - 3x^8 + 14x^7 - 119x^6 + 440x^5 - 997x^4 + 806x^3 - 1001x^2 + 203x - 64) / (x - 1)^7$$

Sequence: A197916
Score: 10.3570
Type of gen. func.: lgdogf

$$-\frac{2(5x^6 + x^5 - 8x^4 - 3x^3 + 4x^2 - 4x - 3)}{(x - 1)(x + 1)(x^2 + 1)(5x^3 - x^2 - 5x - 1)}$$

Sequence: A197916
Score: 11.0979
Type of gen. func.: ogf

$$-\frac{x(5x^3 - x^2 - 5x - 1)}{(x + 1)(x^2 + 1)(x - 1)^2}$$

Sequence: A197985
Score: 10.2614
Type of gen. func.: ogf

$$\frac{x^3 - 5x^2 + 6x - 4}{(x - 1)^3}$$

Sequence: A197985
Score: 19.7946
Type of gen. func.: lgdogf

$$\frac{2 (x^2 - x + 3)}{(x - 1) (x^3 - 5 x^2 + 6 x - 4)}$$

Sequence: A197985
Score: 5.28387
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 4, a(1) = 6, a(2) = 11,

a(3) = 18}

Sequence: A197985
Score: 5.75642
Type of gen. func.: ogf

$$(-101 + 204 f(x)) (f(x) x^3 - 3 f(x) x^2 - x^3 + 3 f(x) x + 5 x^2 - f(x) - 6 x + 4)$$

Sequence: A197986
Score: 5.40217
Type of gen. func.: ogf

$$\frac{x^9 - 3 x^8 + 3 x^7 - x^6 + x^5 - x^4 - 7 x^3 + 21 x^2 - 16 x + 8}{(x - 1)^4}$$

Sequence: A197988
Score: 6.65846
Type of gen. func.: ogf

$$\frac{x^7 + x^5 + x^4 + 2 x^3 + 2 x + 1}{(x^2 + x + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A198014
Score: 6.56935
Type of gen. func.: ogf

```
                         5      4      3      2
                      3 x  + 2 x  + 5 x  + 6 x  + 6 x + 2
                      -----------------------------------
                          2                 2        4
                        (x  + x + 1) (x + 1)  (x - 1)


------------------------------------------------------------------------------

Sequence:  A198015
Score: 3.94950
Type of gen. func.: ogf


    11    10    9      8      7       6      5       4      3      2
- (x   - x   + x  - 4 x  - 5 x  - 10 x  - 9 x  - 11 x  - 4 x  - 7 x  - 2 x - 1)

       /    2        2                  3        6
      /  ((x  + 1) (x  + x + 1) (x + 1)  (x - 1) )
     /


------------------------------------------------------------------------------

Sequence:  A198016
Score: 4.29039
Type of gen. func.: ogf


                8      7    6       5      4       3      2
             2 x  - 5 x  - x  - 13 x  - 8 x  - 13 x  - 9 x  - 3 x - 2
           - --------------------------------------------------------
                       2        2                 2        6
                     (x  + 1) (x  + x + 1) (x + 1)  (x - 1)


------------------------------------------------------------------------------

Sequence:  A198017
Score: 13.9617
Type of gen. func.: ogf


                                   2
                                  x  - 7 x - 1
                                  ------------
                                           3
                                    (x - 1)


------------------------------------------------------------------------------

Sequence:  A198017
Score: 25.3388
Type of gen. func.: lgdogf


                                   2
                                  x  - 12 x - 10
                            - ----------------------
                                        2
                              (x - 1) (x  - 7 x - 1)


------------------------------------------------------------------------------
```

Sequence: A198017
Score: 7.21749
Type of gen. func.: ogf

$$(7693 f(x) - 41917) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 7 x + 1)$$

Sequence: A198017
Score: 7.47074
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 10, a(2) = 26\}$$

Sequence: A198071
Score: 3.33810
Type of gen. func.: ogf

$$(x^{11} - 6 x^{10} + 16 x^9 - 24 x^8 + 36 x^7 - 146 x^6 + 476 x^5 - 1032 x^4 + 827 x^3 - 1008 x^2 + 204 x - 64) / (x - 1)^7$$

Sequence: A198080
Score: 14.1508
Type of gen. func.: ogf

$$- \frac{4 x}{(27 x - 1) (x - 1)^2}$$

Sequence: A198080
Score: 25.7910
Type of gen. func.: lgdogf

$$- \frac{-29 + 81 x}{(27 x - 1) (x - 1)}$$

Sequence: A198080
Score: 5.85549
Type of gen. func.: ogf

$$\{a(n + 3) - 29 a(n + 2) + 55 a(n + 1) - 27 a(n), a(0) = 0, a(1) = 4, a(2) = 116\}$$

Sequence: A198080
Score: 6.59454
Type of gen. func.: ogf

$$(29 f(x) + 4) (27 f(x) x^3 - 55 f(x) x^2 + 29 f(x) x - f(x) + 4 x)$$

Sequence: A198148
Score: 12.8123
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 20 x^3 - 5 x^2 - 30 x - 1}{(x - 1) (x + 1) (x^4 - 6 x^2 - x - 3)}$$

Sequence: A198148
Score: 6.56444
Type of gen. func.: ogf

$$\{(n + 5) a(n + 1) + (-n - 1) a(n + 3), a(0) = 0, a(1) = 3, a(2) = 1\}$$

Sequence: A198148
Score: 9.80404
Type of gen. func.: ogf

$$\frac{x (x^4 - 6 x^2 - x - 3)}{(x - 1)^3 (x + 1)^3}$$

Sequence: A198179
Score: 5.05195
Type of gen. func.: ogf

$$-\frac{x (7 x^7 + 3 x^6 - 6 x^5 + x^4 + x^3 + 4 x^2 - 3 x - 4)}{(x - 1) (3 x^8 + 4 x^7 + 2 x^4 + 4 x^3 + 2 x^2 - x - 1)}$$

Sequence: A198205
Score: 3.6696
Type of gen. func.: ogf

$$-(101164396 f(x) + 60288381)$$

$$(81 f(x) x^3 - 103 f(x) x^2 + 23 f(x) x + 81 x^2 - f(x) - 49 x + 4)$$

Sequence: A198205
Score: 4.19383
Type of gen. func.: ogf

$$\{-a(n + 3) + 23 a(n + 2) - 103 a(n + 1) + 81 a(n), a(0) = 4, a(1) = 43,$$

$$a(2) = 658\}$$

Sequence: A198205
Score: 6.42073
Type of gen. func.: lgdogf

$$- \frac{6561 x^4 - 7938 x^3 + 4156 x^2 - 662 x + 43}{(x - 1) (81 x^2 - 22 x + 1) (81 x^2 - 49 x + 4)}$$

Sequence: A198205
Score: 7.44875
Type of gen. func.: ogf

$$- \frac{81 x^2 - 49 x + 4}{(x - 1) (81 x^2 - 22 x + 1)}$$

Sequence: A198247
Score: 3.34308
Type of gen. func.: ogf

$$- \frac{444 x^7 + 287 x^6 - 395 x^5 - 185 x^4 + 126 x^3 + 25 x^2 - 15 x + 1}{\quad {}^3 \quad {}^2 \qquad\qquad {}^3 \quad {}^2}$$

```
         (x - 1) (x + 1) (8 x  - x  - 4 x + 1) (64 x  + 23 x  - 16 x + 1)
```

Sequence: A198271
Score: 7.53474
Type of gen. func.: ogf

```
                       19    18      4      3      2
                   x (x   - x   - 4 x  - 3 x  - 4 x  - 3 x - 4)
                 - --------------------------------------------
                           4    3    2                 2
                         (x  + x  + x  + x + 1) (x - 1)
```

Sequence: A198272
Score: 7.21815
Type of gen. func.: ogf

```
                   7      6      5      4      3      2
             x (4 x  + 4 x  + 4 x  + 5 x  + 4 x  + 4 x  + 4 x + 4)
             -----------------------------------------------------
                                2        4              2
                      (x + 1) (x  + 1) (x  + 1) (x - 1)
```

Sequence: A198274
Score: 16.4393
Type of gen. func.: ogf

```
                                    11 x - 12
                              - -----------------
                                (2 x - 1) (x - 1)
```

Sequence: A198274
Score: 18.5100
Type of gen. func.: lgdogf

```
                                    2
                                22 x  - 48 x + 25
                        - -----------------------------
                          (x - 1) (11 x - 12) (2 x - 1)
```

Sequence: A198274
Score: 8.58497
Type of gen. func.: ogf

```
                                    2
           (27 f(x) + 301) (2 f(x) x  - 3 f(x) x + f(x) + 11 x - 12)
```

Sequence: A198274
Score: 9.19819
Type of gen. func.: ogf

$$\{-a(n+2) + 3\,a(n+1) - 2\,a(n),\ a(0) = 12,\ a(1) = 25\}$$

Sequence: A198275
Score: 16.6585
Type of gen. func.: ogf

$$-\frac{15\,x - 16}{(2\,x - 1)\,(x - 1)}$$

Sequence: A198275
Score: 18.7613
Type of gen. func.: lgdogf

$$-\frac{30\,x^2 - 64\,x + 33}{(x - 1)\,(15\,x - 16)\,(2\,x - 1)}$$

Sequence: A198275
Score: 8.69943
Type of gen. func.: ogf

$$(35\,f(x) + 529)\,(2\,f(x)\,x^2 - 3\,f(x)\,x + f(x) + 15\,x - 16)$$

Sequence: A198275
Score: 9.32083
Type of gen. func.: ogf

$$\{-a(n+2) + 3\,a(n+1) - 2\,a(n),\ a(0) = 16,\ a(1) = 33\}$$

Sequence: A198276
Score: 16.7316
Type of gen. func.: ogf

$$17\,x - 18$$

$$-\frac{}{(2 x - 1) (x - 1)}$$

Sequence: A198276
Score: 18.8451
Type of gen. func.: lgdogf

$$-\frac{34 x^2 - 72 x + 37}{(x - 1) (2 x - 1) (17 x - 18)}$$

Sequence: A198276
Score: 8.73759
Type of gen. func.: ogf

$$(39 f(x) + 667) (2 f(x) x^2 - 3 f(x) x + f(x) + 17 x - 18)$$

Sequence: A198276
Score: 9.36171
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 18, a(1) = 37\}$$

Sequence: A198279
Score: 10.9280
Type of gen. func.: ogf

$$-\frac{3 x^2 - 1}{8 x^3 - x^2 - 4 x + 1}$$

Sequence: A198279
Score: 12.7122
Type of gen. func.: lgdogf

$$-\frac{4 (6 x^4 - 3 x^2 - x + 1)}{(3 x^2 - 1) (8 x^3 - x^2 - 4 x + 1)}$$

Sequence: A198279
Score: 5.51237
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) - a(n + 1) + 8 a(n), a(0) = 1, a(1) = 4, a(2) = 14\}$$

Sequence: A198279
Score: 5.71467
Type of gen. func.: ogf

$$(41 f(x) + 37) (8 f(x) x^3 - f(x) x^2 - 4 f(x) x + 3 x^2 + f(x) - 1)$$

Sequence: A198280
Score: 3.52439
Type of gen. func.: ogf

$$- 2 (576 x^8 - 148 x^6 - 116 x^5 - 31 x^4 + 35 x^3 + 4 x^2 + x - 1) / (2048 x^9 - 64 x^8 - 512 x^7 - 492 x^6 - 68 x^5 + 145 x^4 + 20 x^3 + 2 x^2 - 8 x + 1)$$

Sequence: A198287
Score: 4.39483
Type of gen. func.: ogf

$$-(4100 f(x) - 6177) (81 f(x) x^3 - 103 f(x) x^2 + 23 f(x) x + 87 x^2 - f(x) - 29 x + 2)$$

Sequence: A198287
Score: 4.69027
Type of gen. func.: ogf

$$\{-a(n + 3) + 23 a(n + 2) - 103 a(n + 1) + 81 a(n), a(0) = 2, a(1) = 17, a(2) = 272\}$$

Sequence: A198287
Score: 8.33048
Type of gen. func.: ogf

$$-\frac{87 x^2 - 29 x + 2}{(x - 1) (81 x^2 - 22 x + 1)}$$

Sequence: A198306
Score: 10.3140
Type of gen. func.: lgdogf

$$-\frac{2 (25 x^4 - 25 x^3 - 35 x^2 + 25 x + 6)}{(x - 1) (5 x^2 - 1) (10 x^2 - 5 x - 7)}$$

Sequence: A198306
Score: 10.6953
Type of gen. func.: ogf

$$-\frac{10 x^2 - 5 x - 7}{(x - 1) (5 x^2 - 1)}$$

Sequence: A198306
Score: 5.39113
Type of gen. func.: ogf

$$-(2496 f(x) + 11953) (5 f(x) x^3 - 5 f(x) x^2 - f(x) x + 10 x^2 + f(x) - 5 x - 7)$$

Sequence: A198306
Score: 5.81674
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 5 a(n + 1) + 5 a(n), a(0) = 7, a(1) = 12, a(2) = 37\}$$

Sequence: A198307
Score: 10.9312
Type of gen. func.: lgdogf

$$-\frac{36 x^4 - 36 x^3 - 48 x^2 + 36 x + 7}{(x - 1) (6 x^2 - 3 x - 4) (6 x^2 - 1)}$$

Sequence: A198307
Score: 12.4373
Type of gen. func.: ogf

$$-\frac{2 (6 x^2 - 3 x - 4)}{(x - 1) (6 x^2 - 1)}$$

Sequence: A198307
Score: 6.32058
Type of gen. func.: ogf

$$-(1619 f(x) + 7280) (6 f(x) x^3 - 6 f(x) x^2 - f(x) x + 12 x^2 + f(x) - 6 x - 8)$$

Sequence: A198307
Score: 6.76414
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 6 a(n + 1) + 6 a(n), a(0) = 8, a(1) = 14, a(2) = 50\}$$

Sequence: A198308
Score: 10.2397
Type of gen. func.: lgdogf

$$-\frac{2 (49 x^4 - 49 x^3 - 63 x^2 + 49 x + 8)}{(x - 1) (7 x^2 - 1) (14 x^2 - 7 x - 9)}$$

Sequence: A198308
Score: 12.3076
Type of gen. func.: ogf

2

$$-\frac{14\,x - 7\,x - 9}{(x - 1)\,(7\,x^{2} - 1)}$$

Sequence: A198308
Score: 6.15383
Type of gen. func.: ogf

$$-(14402\,f(x) + 61727)\,(7\,f(x)\,x^{3} - 7\,f(x)\,x^{2} - f(x)\,x + 14\,x^{2} + f(x) - 7\,x - 9)$$

Sequence: A198308
Score: 6.69363
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 7\,a(n + 1) - 7\,a(n),\ a(0) = 9,\ a(1) = 16,\ a(2) = 65\}$$

Sequence: A198309
Score: 11.3490
Type of gen. func.: lgdogf

$$-\frac{64\,x^{4} - 64\,x^{3} - 80\,x^{2} + 64\,x + 9}{(x - 1)\,(8\,x^{2} - 4\,x - 5)\,(8\,x^{2} - 1)}$$

Sequence: A198309
Score: 11.8755
Type of gen. func.: ogf

$$-\frac{2\,(8\,x^{2} - 4\,x - 5)}{(x - 1)\,(8\,x^{2} - 1)}$$

Sequence: A198309
Score: 6.03351
Type of gen. func.: ogf

$$-(7167\,f(x) + 29578)\,(8\,f(x)\,x^{3} - 8\,f(x)\,x^{2} - f(x)\,x + 16\,x^{2} + f(x) - 8\,x - 10)$$

Sequence: A198309
Score: 6.50570
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - 8 a(n + 1) + 8 a(n), a(0) = 10, a(1) = 18, a(2) = 82}

Sequence: A198310
Score: 10.5252
Type of gen. func.: ogf

$$-\frac{18 x^2 - 9 x - 11}{(x - 1) (3 x - 1) (3 x + 1)}$$

Sequence: A198310
Score: 5.26261
Type of gen. func.: ogf

-(52484 f(x) + 210077)

$$(9 f(x) x^3 - 9 f(x) x^2 - f(x) x + 18 x^2 + f(x) - 9 x - 11)$$

Sequence: A198310
Score: 5.71628
Type of gen. func.: ogf

{-a(n + 3) + a(n + 2) + 9 a(n + 1) - 9 a(n), a(0) = 11, a(1) = 20, a(2) = 101}

Sequence: A198310
Score: 9.15794
Type of gen. func.: lgdogf

$$-\frac{2 (81 x^4 - 81 x^3 - 99 x^2 + 81 x + 10)}{(x - 1) (3 x - 1) (3 x + 1) (18 x^2 - 9 x - 11)}$$

Sequence: A198392
Score: 12.0202
Type of gen. func.: lgdogf

$$-\frac{x^5 - 3x^4 - 10x^3 - 18x^2 - 20x - 4}{(x-1)(x+1)(x^4 - 2x^3 - 4x^2 - 2x - 2)}$$

Sequence: A198392
Score: 9.21655
Type of gen. func.: ogf

$$\frac{x^4 - 2x^3 - 4x^2 - 2x - 2}{(x+1)^2 (x-1)^3}$$

Sequence: A198395
Score: 7.21815
Type of gen. func.: ogf

$$\frac{x(4x^7 + 4x^6 + 4x^5 + 4x^4 + 4x^3 + 4x^2 + 4x + 5)}{(x+1)(x^2+1)(x^4+1)(x-1)^2}$$

Sequence: A198396
Score: 10.5979
Type of gen. func.: ogf

$$-\frac{37x^2 - 8x + 1}{(6x-1)(x-1)^2}$$

Sequence: A198396
Score: 13.1678
Type of gen. func.: lgdogf

$$-\frac{6x(37x^2 + 21x - 8)}{(x-1)(6x-1)(37x^2 - 8x + 1)}$$

Sequence: A198396
Score: 5.47267
Type of gen. func.: ogf

$$(45025 f(x) + 102431)$$

$$(6 f(x) x^3 - 13 f(x) x^2 + 8 f(x) x + 37 x^2 - f(x) - 8 x + 1)$$

Sequence: A198396
Score: 5.90854
Type of gen. func.: ogf

{a(n + 3) - 8 a(n + 2) + 13 a(n + 1) - 6 a(n), a(0) = 1, a(1) = 0, a(2) = 24}

Sequence: A198397
Score: 10.1967
Type of gen. func.: ogf

$$-\frac{50 x^2 - 9 x + 1}{(7 x - 1) (x - 1)^2}$$

Sequence: A198397
Score: 12.4169
Type of gen. func.: lgdogf

$$-\frac{14 x (25 x^2 + 16 x - 5)}{(x - 1) (7 x - 1) (50 x^2 - 9 x + 1)}$$

Sequence: A198397
Score: 5.22272
Type of gen. func.: ogf

$$(136116 f(x) + 629509)$$

$$(7 f(x) x^3 - 15 f(x) x^2 + 9 f(x) x + 50 x^2 - f(x) - 9 x + 1)$$

Sequence: A198397

Score: 5.68490
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 15 a(n + 1) - 7 a(n), a(0) = 1, a(1) = 0, a(2) = 35\}$$

Sequence: A198398
Score: 11.5796
Type of gen. func.: lgdogf

$$- \frac{8 x (65 x^2 + 45 x - 12)}{(x - 1) (-1 + 8 x) (65 x^2 - 10 x + 1)}$$

Sequence: A198398
Score: 4.85023
Type of gen. func.: ogf

$$(345793 f(x) + 2640191)$$

$$(8 f(x) x^3 - 17 f(x) x^2 + 10 f(x) x + 65 x^2 - f(x) - 10 x + 1)$$

Sequence: A198398
Score: 5.36078
Type of gen. func.: ogf

$$\{a(n + 3) - 10 a(n + 2) + 17 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 0, a(2) = 48\}$$

Sequence: A198398
Score: 9.40198
Type of gen. func.: ogf

$$- \frac{65 x^2 - 10 x + 1}{(-1 + 8 x) (x - 1)^2}$$

Sequence: A198399
Score: 10.7585
Type of gen. func.: lgdogf

2

$$-\frac{18 x (41 x + 30 x - 7)}{(x - 1) (-1 + 9 x) (82 x^2 - 11 x + 1)}$$

Sequence: A198399
Score: 4.51013
Type of gen. func.: ogf

$$(774208 f(x) + 8755361)$$

$$(9 f(x) x^3 - 19 f(x) x^2 + 11 f(x) x + 82 x^2 - f(x) - 11 x + 1)$$

Sequence: A198399
Score: 4.98489
Type of gen. func.: ogf

{a(n + 3) - 11 a(n + 2) + 19 a(n + 1) - 9 a(n), a(0) = 1, a(1) = 0, a(2) = 63}

Sequence: A198399
Score: 8.74272
Type of gen. func.: ogf

$$-\frac{82 x^2 - 11 x + 1}{(-1 + 9 x) (x - 1)^2}$$

Sequence: A198400
Score: 4.37136
Type of gen. func.: ogf

$$(1574721 f(x) + 24639679)$$

$$(10 f(x) x^3 - 21 f(x) x^2 + 12 f(x) x + 101 x^2 - f(x) - 12 x + 1)$$

Sequence: A198400
Score: 4.94154
Type of gen. func.: ogf

{a(n + 3) - 12 a(n + 2) + 21 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 0, a(2) = 80}

Sequence: A198400
Score: 8.48175
Type of gen. func.: ogf

$$-\frac{101 x^2 - 12 x + 1}{(10 x - 1)(x - 1)^2}$$

Sequence: A198400
Score: 9.99006
Type of gen. func.: lgdogf

$$-\frac{10 x (101 x^2 + 77 x - 16)}{(x - 1)(10 x - 1)(101 x^2 - 12 x + 1)}$$

Sequence: A198402
Score: 4.50811
Type of gen. func.: ogf

$$\frac{5 x (625 x^4 + 3250 x^3 + 1650 x^2 + 130 x + 1)}{(5 x - 1)^6}$$

Sequence: A198403
Score: 3.17105
Type of gen. func.: ogf

$$-\frac{6 x (6 x + 1)(1296 x^4 + 12096 x^3 + 8856 x^2 + 336 x + 1)}{(6 x - 1)^7}$$

Sequence: A198405
Score: 4.96147
Type of gen. func.: ogf

$$-\frac{3552 x^4 - 3209 x^3 + 892 x^2 - 85 x + 2}{}$$

$$(x - 1) (256 x^2 - 41 x + 1) (16 x^2 - 9 x + 1)$$

Sequence: A198410
Score: 11.3016
Type of gen. func.: ogf

$$-\frac{63 x^2 - 54 x + 7}{(x - 1) (3 x - 1) (-1 + 9 x)}$$

Sequence: A198410
Score: 5.87329
Type of gen. func.: ogf

$$-(4777 f(x) + 15252)$$

$$(27 f(x) x^3 - 39 f(x) x^2 + 13 f(x) x + 63 x^2 - f(x) - 54 x + 7)$$

Sequence: A198410
Score: 6.32125
Type of gen. func.: ogf

$$\{-a(n + 3) + 13 a(n + 2) - 39 a(n + 1) + 27 a(n), a(0) = 7, a(1) = 37,$$

$$a(2) = 271\}$$

Sequence: A198410
Score: 9.65433
Type of gen. func.: lgdogf

$$-\frac{1701 x^4 - 2916 x^3 + 1854 x^2 - 420 x + 37}{(x - 1) (3 x - 1) (-1 + 9 x) (63 x^2 - 54 x + 7)}$$

Sequence: A198412
Score: 13.2328
Type of gen. func.: ogf

$$\frac{19 x}{(729 x - 1) (64 x - 1)}$$

Sequence: A198412
Score: 16.8985
Type of gen. func.: lgdogf

$$-\frac{-793 + 93312 x}{(729 x - 1) (64 x - 1)}$$

Sequence: A198412
Score: 6.61641
Type of gen. func.: ogf

$$\{a(n + 2) - 793 a(n + 1) + 46656 a(n), a(0) = 0, a(1) = 19\}$$

Sequence: A198412
Score: 8.82187
Type of gen. func.: ogf

$$-46656 f(x) x^2 + 793 f(x) x - f(x) + 19 x$$

Sequence: A198442
Score: 13.4547
Type of gen. func.: ogf

$$\frac{x^2 (x - 2)}{(x + 1) (x - 1)^3}$$

Sequence: A198442
Score: 24.6258
Type of gen. func.: lgdogf

$$-\frac{3 (x^2 - 2 x - 1)}{(x - 1) (x - 2) (x + 1)}$$

Sequence: A198442

Score: 4.97418
Type of gen. func.: ogf

$$\{(n^2 + 7 n + 10) a(n + 1) + (6 + 2 n) a(n + 2) + (-n^2 - 5 n - 4) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A198442
Score: 7.39405
Type of gen. func.: ogf

$$(3 f(x) + 8) (f(x) x^4 - 2 f(x) x^3 - x^3 + 2 f(x) x + 2 x^2 - f(x))$$

Sequence: A198447
Score: 4.42447
Type of gen. func.: ogf

$$-(129025 f(x) + 215184) (16 f(x) x^3 - 25 f(x) x^2 + 10 f(x) x + 16 x^2 - f(x) - 17 x + 3)$$

Sequence: A198447
Score: 4.91607
Type of gen. func.: ogf

$$\{-a(n + 3) + 10 a(n + 2) - 25 a(n + 1) + 16 a(n), a(0) = 3, a(1) = 13, a(2) = 71\}$$

Sequence: A198447
Score: 7.82218
Type of gen. func.: lgdogf

$$- \frac{256 x^4 - 544 x^3 + 409 x^2 - 118 x + 13}{(x - 1) (16 x^2 - 9 x + 1) (16 x^2 - 17 x + 3)}$$

Sequence: A198447
Score: 8.71485
Type of gen. func.: ogf

$$-\frac{16 x^2 - 17 x + 3}{(x - 1) (16 x^2 - 9 x + 1)}$$

Sequence: A198473
Score: 8.05947
Type of gen. func.: ogf

$$\frac{x (x^6 + 4 x^5 + x^4 + 4 x^3 + x^2 + 4 x + 1)}{(x^2 + x + 1) (x^2 - x + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A198474
Score: 12.5690
Type of gen. func.: ogf

$$-\frac{2 (3 x - 1)}{16 x^2 - 9 x + 1}$$

Sequence: A198474
Score: 13.8096
Type of gen. func.: lgdogf

$$-\frac{2 (24 x^2 - 16 x + 3)}{(3 x - 1) (16 x^2 - 9 x + 1)}$$

Sequence: A198474
Score: 6.15081
Type of gen. func.: ogf

$$-(217 f(x) + 214) (16 f(x) x^2 - 9 f(x) x + f(x) + 6 x - 2)$$

Sequence: A198474
Score: 6.88305
Type of gen. func.: ogf

$$\{a(n+2) - 9\,a(n+1) + 16\,a(n),\ a(0) = 2,\ a(1) = 12\}$$

Sequence: A198480
Score: 13.2478
Type of gen. func.: ogf

$$\frac{5x + 1}{(7x - 1)(x - 1)}$$

Sequence: A198480
Score: 14.6042
Type of gen. func.: lgdogf

$$-\frac{35x^2 + 14x - 13}{(x - 1)(5x + 1)(7x - 1)}$$

Sequence: A198480
Score: 6.85231
Type of gen. func.: ogf

$$(90 f(x) + 79)(7 f(x) x^2 - 8 f(x) x + f(x) - 5x - 1)$$

Sequence: A198480
Score: 7.18253
Type of gen. func.: ogf

$$\{-a(n+2) + 8\,a(n+1) - 7\,a(n),\ a(0) = 1,\ a(1) = 13\}$$

Sequence: A198482
Score: 3.26001
Type of gen. func.: ogf

$$-(-828037587955 + 265110980988 f(x))$$

$$(81 f(x) x^3 - 135 f(x) x^2 - 27 x^3 + 55 f(x) x + 132 x^2 - f(x) - 82 x + 5)$$

Sequence: A198482
Score: 3.39307
Type of gen. func.: ogf

$$\{-a(n + 4) + 55 a(n + 3) - 135 a(n + 2) + 81 a(n + 1), a(0) = 5, a(1) = 193, a(2) = 10072, a(3) = 528283\}$$

Sequence: A198482
Score: 6.47769
Type of gen. func.: ogf

$$\frac{27 x^3 - 132 x^2 + 82 x - 5}{(x - 1) (81 x^2 - 54 x + 1)}$$

Sequence: A198486
Score: 5.48505
Type of gen. func.: ogf

$$(80 x^{10} + 62 x^9 - 18 x^8 - 18 x^7 - 18 x^6 - 18 x^5 - 18 x^4 - 18 x^3 - 18 x^2 - 8 x + 1)/((x - 1) (10 x - 1) (x + 1))$$

Sequence: A198508
Score: 5.04324
Type of gen. func.: ogf

$$-\frac{4096 x^4 - 4496 x^3 + 1381 x^2 - 145 x + 4}{(x - 1) (256 x^2 - 41 x + 1) (16 x^2 - 9 x + 1)}$$

Sequence: A198517
Score: 12.6360
Type of gen. func.: ogf

$$-\frac{x^2 + 1}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A198517
Score: 15.6707
Type of gen. func.: lgdogf

$$-\frac{x\,(3\,x^{5}+5\,x^{3}+2)}{(x-1)\,(x^{2}+1)\,(x^{4}+x^{3}+x^{2}+x+1)}$$

Sequence: A198517
Score: 19.5576
Type of gen. func.: ogf_with_Euler_transform]

$$x^{4}-x^{3}+x$$

Sequence: A198586
Score: 10.1855
Type of gen. func.: ogf

$$-\frac{64\,x^{2}-80\,x-5}{(x-1)\,(-1+8\,x)\,(8\,x+1)}$$

Sequence: A198586
Score: 5.05387
Type of gen. func.: ogf

$$-(1631077\,f(x)+2839378)$$

$$(64\,f(x)\,x^{3}-64\,f(x)\,x^{2}-f(x)\,x+64\,x^{2}+f(x)-80\,x-5)$$

Sequence: A198586
Score: 5.65860
Type of gen. func.: ogf

$\{a(n+3)-a(n+2)-64\,a(n+1)+64\,a(n),\ a(0)=5,\ a(1)=85,\ a(2)=341\}$

Sequence: A198586
Score: 8.44251
Type of gen. func.: lgdogf

$$-\frac{4096 x^4 - 10240 x^3 + 4224 x^2 + 512 x + 85}{(x - 1) (8 x + 1) (-1 + 8 x) (64 x^2 - 80 x - 5)}$$

Sequence: A198598
Score: 6.11500
Type of gen. func.: ogf

$$-\frac{29 x^4 + 19 x^3 - 9 x^2 - 4 x + 1}{(x - 1) (x + 1) (27 x^3 + 5 x^2 - 9 x + 1)}$$

Sequence: A198620
Score: 4.15083
Type of gen. func.: ogf

$$-\frac{x (11 x^8 + 37 x^7 - 5 x^6 - 54 x^5 + 3 x^4 + 26 x^3 - 4 x^2 - 4 x + 1)}{(x - 1) (2 x - 1) (x + 1) (5 x^2 + x - 1) (x^2 + x - 1) (3 x^2 + x - 1)}$$

Sequence: A198628
Score: 7.56133
Type of gen. func.: ogf

$$-\frac{94 x^4 - 114 x^3 + 55 x^2 - 12 x + 1}{(x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A198629
Score: 5.08526
Type of gen. func.: ogf

$$\frac{x (148 x^4 - 168 x^3 + 73 x^2 - 14 x + 1)}{(x - 1) (6 x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A198633
Score: 15.2622

Type of gen. func.: ogf

$$-2 f(x) x + f(x) + 2 x - 3$$

Sequence: A198633
Score: 18.5621
Type of gen. func.: ogf

$$\frac{-3 + 2 x}{2 x - 1}$$

Sequence: A198633
Score: 39.5919
Type of gen. func.: lgdogf

$$\frac{4}{(2 x - 1) (-3 + 2 x)}$$

Sequence: A198633
Score: 9.53886
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1), a(0) = 3, a(1) = 4\}$$

Sequence: A198635
Score: 14.4395
Type of gen. func.: ogf

$$\frac{3 x^2 - 12 x + 5}{(3 x - 1) (x - 1)}$$

Sequence: A198635
Score: 17.4183
Type of gen. func.: lgdogf

$$\frac{8 (3 x^2 - 3 x + 1)}{(x - 1) (3 x - 1) (3 x^2 - 12 x + 5)}$$

Sequence: A198635
Score: 7.57024
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 3 a(n + 1), a(0) = 5, a(1) = 8, a(2) = 20\}$$

Sequence: A198635
Score: 7.87612
Type of gen. func.: ogf

$$-(-1 + 13 f(x)) (3 f(x) x^2 - 4 f(x) x - 3 x^2 + f(x) + 12 x - 5)$$

Sequence: A198636
Score: 10.8779
Type of gen. func.: lgdogf

$$- \frac{6 x^4 - 20 x^3 + 39 x^2 - 24 x + 5}{(6 x^2 - 10 x + 3) (x^3 - 6 x^2 + 5 x - 1)}$$

Sequence: A198636
Score: 11.0880
Type of gen. func.: ogf

$$- \frac{6 x^2 - 10 x + 3}{x^3 - 6 x^2 + 5 x - 1}$$

Sequence: A198636
Score: 6.08371
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 6 a(n + 1) + a(n), a(0) = 3, a(1) = 5, a(2) = 13\}$$

Sequence: A198636
Score: 6.61018
Type of gen. func.: ogf

$$f(x) (f(x) x^3 - 6 f(x) x^2 + 5 f(x) x + 6 x^2 - f(x) - 10 x + 3)$$

Sequence: A198638
Score: 12.0753
Type of gen. func.: lgdogf

$$\frac{24 x^2 - 28 x + 9}{(x - 1) (2 x - 1) (16 x^2 - 12 x + 1)}$$

Sequence: A198638
Score: 5.18646
Type of gen. func.: ogf

$$\{a(n + 3) - 12 a(n + 2) + 16 a(n + 1), a(0) = 4, a(1) = 36, a(2) = 376\}$$

Sequence: A198638
Score: 5.49457
Type of gen. func.: ogf

$$-(1 + 20 f(x)) (16 f(x) x^2 - 12 f(x) x - 8 x^2 + f(x) + 12 x - 4)$$

Sequence: A198638
Score: 9.90984
Type of gen. func.: ogf

$$\frac{4 (2 x - 1) (x - 1)}{16 x^2 - 12 x + 1}$$

Sequence: A198643
Score: 15.5665
Type of gen. func.: ogf

$$- \frac{2 (x - 2)}{(3 x - 1) (x - 1)}$$

Sequence: A198643
Score: 19.6417
Type of gen. func.: lgdogf

$$-\frac{3x^2-12x+7}{(x-1)(x-2)(3x-1)}$$

Sequence: A198643
Score: 8.14524
Type of gen. func.: ogf

$$(8 f(x) + 17) (3 f(x) x^2 - 4 f(x) x + f(x) + 2 x - 4)$$

Sequence: A198643
Score: 8.43966
Type of gen. func.: ogf

{-a(n + 2) + 4 a(n + 1) - 3 a(n), a(0) = 4, a(1) = 14}

Sequence: A198644
Score: 15.9285
Type of gen. func.: ogf

$$-\frac{5x-7}{(3x-1)(x-1)}$$

Sequence: A198644
Score: 18.0449
Type of gen. func.: lgdogf

$$-\frac{15x^2-42x+23}{(x-1)(3x-1)(5x-7)}$$

Sequence: A198644
Score: 8.14524
Type of gen. func.: ogf

$$(50 f(x) + 179) (3 f(x) x^2 - 4 f(x) x + f(x) + 5 x - 7)$$

Sequence: A198644
Score: 8.63593
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 3 a(n), a(0) = 7, a(1) = 23\}$$

Sequence: A198645
Score: 14.8784
Type of gen. func.: ogf

$$-\frac{7 x - 9}{(3 x - 1) (x - 1)}$$

Sequence: A198645
Score: 16.8372
Type of gen. func.: lgdogf

$$-\frac{21 x^2 - 54 x + 29}{(x - 1) (3 x - 1) (7 x - 9)}$$

Sequence: A198645
Score: 7.60825
Type of gen. func.: ogf

$$(62 f(x) + 283) (3 f(x) x^2 - 4 f(x) x + f(x) + 7 x - 9)$$

Sequence: A198645
Score: 8.06659
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 3 a(n), a(0) = 9, a(1) = 29\}$$

Sequence: A198646
Score: 14.6949

Type of gen. func.: ogf

$$-\frac{2 (4 x - 5)}{(3 x - 1) (x - 1)}$$

Sequence: A198646
Score: 17.0023
Type of gen. func.: lgdogf

$$-\frac{2 (6 x^2 - 15 x + 8)}{(4 x - 5) (x - 1) (3 x - 1)}$$

Sequence: A198646
Score: 7.26843
Type of gen. func.: ogf

$$(8165 f(x) + 49422) (3 f(x) x^2 - 4 f(x) x + f(x) + 8 x - 10)$$

Sequence: A198646
Score: 8.04720
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 3 a(n), a(0) = 10, a(1) = 32\}$$

Sequence: A198647
Score: 13.5141
Type of gen. func.: ogf

$$\frac{2 (2 x + 1)}{(7 x - 1) (x - 1)}$$

Sequence: A198647
Score: 15.2859
Type of gen. func.: lgdogf

$$-\frac{2 (7 x^2 + 7 x - 5)}{(x - 1) (2 x + 1) (7 x - 1)}$$

Sequence: A198647
Score: 6.61015
Type of gen. func.: ogf

$$(4629 f(x) + 10742) (7 f(x) x^2 - 8 f(x) x + f(x) - 4 x - 2)$$

Sequence: A198647
Score: 7.32690
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 7 a(n), a(0) = 2, a(1) = 20\}$$

Sequence: A198662
Score: 5.32989
Type of gen. func.: ogf

$$- \frac{x (3 x^3 - 3 x + 1) (x^3 + 3 x^2 - 1)}{(x - 1) (2 x - 1) (x + 1) (4 x^2 + x - 1) (x^2 + x - 1)}$$

Sequence: A198686
Score: 13.6472
Type of gen. func.: ogf

$$\frac{3 (x + 1)}{(7 x - 1) (x - 1)}$$

Sequence: A198686
Score: 16.7262
Type of gen. func.: lgdogf

$$- \frac{7 x^2 + 14 x - 9}{(x - 1) (7 x - 1) (x + 1)}$$

Sequence: A198686
Score: 6.74863

Type of gen. func.: ogf

$$(3658 f(x) + 8709) (7 f(x) x^2 - 8 f(x) x + f(x) - 3 x - 3)$$

Sequence: A198686
Score: 7.39910
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 7 a(n), a(0) = 3, a(1) = 27\}$$

Sequence: A198687
Score: 13.7804
Type of gen. func.: ogf

$$\frac{2 (x + 2)}{(7 x - 1) (x - 1)}$$

Sequence: A198687
Score: 16.4360
Type of gen. func.: lgdogf

$$-\frac{7 x^2 + 28 x - 17}{(x - 1) (7 x - 1) (x + 2)}$$

Sequence: A198687
Score: 7.12778
Type of gen. func.: ogf

$$(54 f(x) + 73) (7 f(x) x^2 - 8 f(x) x + f(x) - 2 x - 4)$$

Sequence: A198687
Score: 7.47128
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 7 a(n), a(0) = 4, a(1) = 34\}$$

Sequence: A198688
Score: 13.9135
Type of gen. func.: ogf

$$\frac{5 + x}{(7 x - 1) (x - 1)}$$

Sequence: A198688
Score: 16.5980
Type of gen. func.: lgdogf

$$-\frac{7 x^2 + 70 x - 41}{(5 + x) (x - 1) (7 x - 1)}$$

Sequence: A198688
Score: 7.03492
Type of gen. func.: ogf

$$(258 f(x) + 391) (7 f(x) x^2 - 8 f(x) x + f(x) - x - 5)$$

Sequence: A198688
Score: 7.54347
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 7 a(n), a(0) = 5, a(1) = 41\}$$

Sequence: A198689
Score: 14.0466
Type of gen. func.: ogf

$$-\frac{x - 7}{(7 x - 1) (x - 1)}$$

Sequence: A198689
Score: 17.2254
Type of gen. func.: lgdogf

$$7 x^2 - 98 x + 55$$
$$- \text{-------------------------}$$

$$(x - 1) (x - 7) (7 x - 1)$$

Sequence: A198689
Score: 7.10224
Type of gen. func.: ogf

$$(342 f(x) + 631) (7 f(x) x^2 - 8 f(x) x + f(x) + x - 7)$$

Sequence: A198689
Score: 7.61565
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 7 a(n), a(0) = 7, a(1) = 55\}$$

Sequence: A198690
Score: 14.1798
Type of gen. func.: ogf

$$- \frac{2 (x - 4)}{(7 x - 1) (x - 1)}$$

Sequence: A198690
Score: 17.3919
Type of gen. func.: lgdogf

$$- \frac{7 x^2 - 56 x + 31}{(x - 1) (7 x - 1) (x - 4)}$$

Sequence: A198690
Score: 7.25103
Type of gen. func.: ogf

$$(96 f(x) + 193) (7 f(x) x^2 - 8 f(x) x + f(x) + 2 x - 8)$$

Sequence: A198690
Score: 7.68783
Type of gen. func.: ogf

$$\{-a(n+2) + 8\,a(n+1) - 7\,a(n),\ a(0) = 8,\ a(1) = 62\}$$

Sequence: A198691
Score: 14.1798
Type of gen. func.: ogf

$$-\frac{3\,(x-3)}{(7\,x-1)\,(x-1)}$$

Sequence: A198691
Score: 17.3919
Type of gen. func.: lgdogf

$$-\frac{7\,x^2 - 42\,x + 23}{(x-1)\,(x-3)\,(7\,x-1)}$$

Sequence: A198691
Score: 7.16956
Type of gen. func.: ogf

$$(142\,f(x) + 309)\,(7\,f(x)\,x^2 - 8\,f(x)\,x + f(x) + 3\,x - 9)$$

Sequence: A198691
Score: 7.68783
Type of gen. func.: ogf

$$\{-a(n+2) + 8\,a(n+1) - 7\,a(n),\ a(0) = 9,\ a(1) = 69\}$$

Sequence: A198692
Score: 12.5459
Type of gen. func.: ogf

$$-\frac{2\,(2\,x-5)}{(7\,x-1)\,(x-1)}$$

Sequence: A198692
Score: 14.1333
Type of gen. func.: lgdogf

$$-\frac{2\,(7\,x^{2}-35\,x+19)}{(2\,x-5)\,(x-1)\,(7\,x-1)}$$

Sequence: A198692
Score: 6.41233
Type of gen. func.: ogf

$$(117\,f(x)+274)\,(7\,f(x)\,x^{2}-8\,f(x)\,x+f(x)+4\,x-10)$$

Sequence: A198692
Score: 6.87036
Type of gen. func.: ogf

$$\{-a(n+2)+8\,a(n+1)-7\,a(n),\ a(0)=10,\ a(1)=76\}$$

Sequence: A198693
Score: 14.0052
Type of gen. func.: ogf

$$\frac{x+2}{(4\,x-1)\,(x-1)}$$

Sequence: A198693
Score: 16.6944
Type of gen. func.: lgdogf

$$-\frac{4\,x^{2}+16\,x-11}{(x-1)\,(x+2)\,(4\,x-1)}$$

Sequence: A198693
Score: 7.24407
Type of gen. func.: ogf

$$(39\,f(x)+43)\,(4\,f(x)\,x^{2}-5\,f(x)\,x+f(x)-x-2)$$

Sequence: A198693
Score: 7.59317
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - 4 a(n), a(0) = 2, a(1) = 11\}$$

Sequence: A198694
Score: 13.3258
Type of gen. func.: ogf

$$-\frac{3 (x - 2)}{(4 x - 1) (x - 1)}$$

Sequence: A198694
Score: 16.7799
Type of gen. func.: lgdogf

$$-\frac{4 x^2 - 16 x + 9}{(x - 1) (x - 2) (4 x - 1)}$$

Sequence: A198694
Score: 6.58969
Type of gen. func.: ogf

$$(2090 f(x) + 7143) (4 f(x) x^2 - 5 f(x) x + f(x) + 3 x - 6)$$

Sequence: A198694
Score: 7.22484
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - 4 a(n), a(0) = 6, a(1) = 27\}$$

Sequence: A198695
Score: 13.3721
Type of gen. func.: ogf

$$-\frac{7 x - 10}{(4 x - 1) (x - 1)}$$

Sequence: A198695
Score: 15.0688
Type of gen. func.: lgdogf

$$-\frac{28 x^2 - 80 x + 43}{(7 x - 10) (x - 1) (4 x - 1)}$$

Sequence: A198695
Score: 6.83464
Type of gen. func.: ogf

$$(135 f(x) + 499) (4 f(x) x^2 - 5 f(x) x + f(x) + 7 x - 10)$$

Sequence: A198695
Score: 7.32282
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - 4 a(n), a(0) = 10, a(1) = 43\}$$

Sequence: A198698
Score: 11.8075
Type of gen. func.: ogf

$$\frac{7 x + 2}{(10 x - 1) (x - 1)}$$

Sequence: A198698
Score: 13.2534
Type of gen. func.: lgdogf

$$-\frac{70 x^2 + 40 x - 29}{(x - 1) (7 x + 2) (10 x - 1)}$$

Sequence: A198698
Score: 6.09837
Type of gen. func.: ogf

$$(279 f(x) + 283) (10 f(x) x^2 - 11 f(x) x + f(x) - 7 x - 2)$$

Sequence: A198698
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 2, a(1) = 29\}$$

Sequence: A198699
Score: 11.8075
Type of gen. func.: ogf

$$\frac{3 (x + 2)}{(10 x - 1) (x - 1)}$$

Sequence: A198699
Score: 13.9331
Type of gen. func.: lgdogf

$$-\frac{10 x^2 + 40 x - 23}{(x - 1) (x + 2) (10 x - 1)}$$

Sequence: A198699
Score: 6.16613
Type of gen. func.: ogf

$$(71 f(x) + 103) (10 f(x) x^2 - 11 f(x) x + f(x) - 3 x - 6)$$

Sequence: A198699
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 6, a(1) = 69\}$$

Sequence: A198700
Score: 11.2148
Type of gen. func.: ogf

$$-\frac{x - 10}{(10 x - 1) (x - 1)}$$

Sequence: A198700
Score: 12.8531
Type of gen. func.: lgdogf

$$-\frac{10 x^2 - 200 x + 109}{(x - 1) (x - 10) (10 x - 1)}$$

Sequence: A198700
Score: 5.78829
Type of gen. func.: ogf

$$(999 f(x) + 1891) (10 f(x) x^2 - 11 f(x) x + f(x) + x - 10)$$

Sequence: A198700
Score: 6.18747
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 10, a(1) = 109\}$$

Sequence: A198710
Score: 4.19656
Type of gen. func.: ogf

$$-(9965610 f(x) - 11080573)$$

$$(27 f(x) x^3 - 45 f(x) x^2 + 19 f(x) x + 16 x^2 - f(x) - 13 x + 2)$$

Sequence: A198710
Score: 4.73002
Type of gen. func.: ogf

$\{-a(n + 3) + 19 a(n + 2) - 45 a(n + 1) + 27 a(n), a(0) = 2, a(1) = 25,$

$a(2) = 401\}$

Sequence: A198710
Score: 7.49054
Type of gen. func.: lgdogf

$$-\frac{432 x^4 - 702 x^3 + 443 x^2 - 148 x + 25}{(x - 1) (27 x^2 - 18 x + 1) (16 x^2 - 13 x + 2)}$$

Sequence: A198710
Score: 8.45670
Type of gen. func.: ogf

$$-\frac{16 x^2 - 13 x + 2}{(x - 1) (27 x^2 - 18 x + 1)}$$

Sequence: A198711
Score: 3.02399
Type of gen. func.: ogf

$$(6755857197244536 f(x) - 16768254585028367) (263 f(x) x^4 - 530 f(x) x^3$$

$$+ 312 f(x) x^2 + 163 x^3 - 46 f(x) x - 196 x^2 + f(x) + 58 x - 5)$$

Sequence: A198711
Score: 6.11593
Type of gen. func.: ogf

$$-\frac{163 x^3 - 196 x^2 + 58 x - 5}{(x - 1) (263 x^3 - 267 x^2 + 45 x - 1)}$$

Sequence: A198717
Score: 4.92732

Type of gen. func.: ogf

$$-\frac{4419 x^4 - 3517 x^3 + 732 x^2 - 51 x + 1}{(x - 1) (3 x - 1) (31 x - 1) (13 x - 1) (7 x - 1)}$$

Sequence: A198762
Score: 14.2875
Type of gen. func.: ogf

$$\frac{2 (x + 1)}{(5 x - 1) (x - 1)}$$

Sequence: A198762
Score: 17.5159
Type of gen. func.: lgdogf

$$-\frac{5 x^2 + 10 x - 7}{(x - 1) (5 x - 1) (x + 1)}$$

Sequence: A198762
Score: 7.39008
Type of gen. func.: ogf

$$(16 f(x) + 17) (5 f(x) x^2 - 6 f(x) x + f(x) - 2 x - 2)$$

Sequence: A198762
Score: 7.74622
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 5 a(n), a(0) = 2, a(1) = 14\}$$

Sequence: A198763
Score: 14.4248
Type of gen. func.: ogf

$$\frac{x + 3}{(5 x - 1) (x - 1)}$$

Sequence: A198763
Score: 17.2096
Type of gen. func.: lgdogf

$$-\frac{5x^2+30x-19}{(x-1)(x+3)(5x-1)}$$

Sequence: A198763
Score: 7.37635
Type of gen. func.: ogf

$$(84 f(x)+109)(5 f(x) x^2-6 f(x) x+f(x)-x-3)$$

Sequence: A198763
Score: 7.82070
Type of gen. func.: ogf

$$\{-a(n+2)+6 a(n+1)-5 a(n),\ a(0)=3,\ a(1)=19\}$$

Sequence: A198764
Score: 14.6996
Type of gen. func.: ogf

$$-\frac{x-5}{(5x-1)(x-1)}$$

Sequence: A198764
Score: 18.0311
Type of gen. func.: lgdogf

$$-\frac{5x^2-50x+29}{(x-1)(x-5)(5x-1)}$$

Sequence: A198764
Score: 7.43239
Type of gen. func.: ogf

$$(124 f(x) + 221) (5 f(x) x^2 - 6 f(x) x + f(x) + x - 5)$$

Sequence: A198764
Score: 7.96967
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 5 a(n), a(0) = 5, a(1) = 29\}$$

Sequence: A198765
Score: 12.1826
Type of gen. func.: ogf

$$- \frac{2 (x - 3)}{(5 x - 1) (x - 1)}$$

Sequence: A198765
Score: 14.8954
Type of gen. func.: lgdogf

$$- \frac{5 x^2 - 30 x + 17}{(x - 1) (x - 3) (5 x - 1)}$$

Sequence: A198765
Score: 6.30137
Type of gen. func.: ogf

$$(36 f(x) + 73) (5 f(x) x^2 - 6 f(x) x + f(x) + 2 x - 6)$$

Sequence: A198765
Score: 6.60505
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 5 a(n), a(0) = 6, a(1) = 34\}$$

Sequence: A198766

Score: 14.4248
Type of gen. func.: ogf

$$-\frac{x-3}{(5x-1)(x-1)}$$

Sequence: A198766
Score: 17.6876
Type of gen. func.: lgdogf

$$-\frac{5x^2-30x+17}{(x-1)(x-3)(5x-1)}$$

Sequence: A198766
Score: 7.46114
Type of gen. func.: ogf

$$(72 f(x)+73)(5 f(x) x^2-6 f(x) x+f(x)+x-3)$$

Sequence: A198766
Score: 7.82070
Type of gen. func.: ogf

$$\{-a(n+2)+6a(n+1)-5a(n), a(0)=3, a(1)=17\}$$

Sequence: A198767
Score: 13.4635
Type of gen. func.: ogf

$$-\frac{3x-7}{(5x-1)(x-1)}$$

Sequence: A198767
Score: 15.2226
Type of gen. func.: lgdogf

$$-\frac{15x^2-70x+39}{(x-1)(3x-7)(5x-1)}$$

Sequence: A198767
Score: 6.80742
Type of gen. func.: ogf

$$(164 f(x) + 373) (5 f(x) x^2 - 6 f(x) x + f(x) + 3 x - 7)$$

Sequence: A198767
Score: 7.29951
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 5 a(n), a(0) = 7, a(1) = 39\}$$

Sequence: A198768
Score: 13.5989
Type of gen. func.: ogf

$$-\frac{4 (x - 2)}{(5 x - 1) (x - 1)}$$

Sequence: A198768
Score: 16.6603
Type of gen. func.: lgdogf

$$-\frac{5 x^2 - 20 x + 11}{(x - 1) (x - 2) (5 x - 1)}$$

Sequence: A198768
Score: 7.0339
Type of gen. func.: ogf

$$(23 f(x) + 58) (5 f(x) x^2 - 6 f(x) x + f(x) + 4 x - 8)$$

Sequence: A198768
Score: 7.37288
Type of gen. func.: ogf

$$\{-a(n+2)+6\,a(n+1)-5\,a(n),\ a(0)=8,\ a(1)=44\}$$

Sequence: A198769
Score: 14.1501
Type of gen. func.: ogf

$$-\frac{x-2}{(5x-1)(x-1)}$$

Sequence: A198769
Score: 17.3442
Type of gen. func.: lgdogf

$$-\frac{5x^2-20x+11}{(x-1)(x-2)(5x-1)}$$

Sequence: A198769
Score: 7.31902
Type of gen. func.: ogf

$$(46\,f(x)+29)\,(5\,f(x)\,x^2-6\,f(x)\,x+f(x)+x-2)$$

Sequence: A198769
Score: 7.67173
Type of gen. func.: ogf

$$\{-a(n+2)+6\,a(n+1)-5\,a(n),\ a(0)=2,\ a(1)=11\}$$

Sequence: A198770
Score: 13.5018
Type of gen. func.: ogf

$$-\frac{2\,(3x-5)}{(5x-1)(x-1)}$$

Sequence: A198770

Score: 15.6129
Type of gen. func.: lgdogf

$$-\frac{15 x^2 - 50 x + 27}{(x - 1) (5 x - 1) (3 x - 5)}$$

Sequence: A198770
Score: 6.97846
Type of gen. func.: ogf

$$(56 f(x) + 169) (5 f(x) x^2 - 6 f(x) x + f(x) + 6 x - 10)$$

Sequence: A198770
Score: 7.39383
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 5 a(n), a(0) = 10, a(1) = 54\}$$

Sequence: A198771
Score: 14.6996
Type of gen. func.: ogf

$$-\frac{3 x - 5}{(5 x - 1) (x - 1)}$$

Sequence: A198771
Score: 16.6441
Type of gen. func.: lgdogf

$$-\frac{15 x^2 - 50 x + 27}{(x - 1) (5 x - 1) (3 x - 5)}$$

Sequence: A198771
Score: 7.43239
Type of gen. func.: ogf

$$(112 f(x) + 169) (5 f(x) x^2 - 6 f(x) x + f(x) + 3 x - 5)$$

Sequence: A198771
Score: 7.96967
Type of gen. func.: ogf

$$\{-a(n+2) + 6\,a(n+1) - 5\,a(n),\ a(0) = 5,\ a(1) = 27\}$$

Sequence: A198786
Score: 11.9226
Type of gen. func.: ogf

$$-8\,f(x)\,x^2 + f(x)^2 + 4\,x^2 - 2\,f(x) + 1$$

Sequence: A198786
Score: 26.2993
Type of gen. func.: lgdogf

$$\frac{2\,(2\,x + (4\,x^2 + 1)^{1/2})}{4\,x^2 + 1}$$

Sequence: A198786
Score: 6.95482
Type of gen. func.: ogf

$$\{(-4\,n + 8)\,a(n) + (-n - 1)\,a(n+2),\ a(0) = 1,\ a(1) = 2,\ a(2) = 4\}$$

Sequence: A198794
Score: 14.4107
Type of gen. func.: ogf

$$\frac{x + 4}{(6\,x - 1)\,(x - 1)}$$

Sequence: A198794
Score: 17.1974
Type of gen. func.: lgdogf

$$-\frac{6 x^2 + 48 x - 29}{(x - 1) (6 x - 1) (x + 4)}$$

Sequence: A198794
Score: 7.81305
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) - 6 a(n), a(0) = 4, a(1) = 29\}$$

Sequence: A198794
Score: 8.05755
Type of gen. func.: ogf

$$(155 f(x) + 221) (6 f(x) x^2 - 7 f(x) x + f(x) - x - 4)$$

Sequence: A198795
Score: 14.5460
Type of gen. func.: ogf

$$-\frac{x - 6}{(6 x - 1) (x - 1)}$$

Sequence: A198795
Score: 17.8443
Type of gen. func.: lgdogf

$$-\frac{6 x^2 - 72 x + 41}{(x - 1) (6 x - 1) (x - 6)}$$

Sequence: A198795
Score: 7.35475
Type of gen. func.: ogf

$$(215 f(x) + 391) (6 f(x) x^2 - 7 f(x) x + f(x) + x - 6)$$

Sequence: A198795
Score: 7.88641
Type of gen. func.: ogf

$$\{-a(n+2) + 7 a(n+1) - 6 a(n), a(0) = 6, a(1) = 41\}$$

Sequence: A198796
Score: 12.7152
Type of gen. func.: ogf

$$\frac{3 x + 2}{(6 x - 1) (x - 1)}$$

Sequence: A198796
Score: 14.0050
Type of gen. func.: lgdogf

$$-\frac{18 x^2 + 24 x - 17}{(x - 1) (6 x - 1) (3 x + 2)}$$

Sequence: A198796
Score: 6.57684
Type of gen. func.: ogf

$$(95 f(x) + 99) (6 f(x) x^2 - 7 f(x) x + f(x) - 3 x - 2)$$

Sequence: A198796
Score: 6.89378
Type of gen. func.: ogf

$$\{-a(n+2) + 7 a(n+1) - 6 a(n), a(0) = 2, a(1) = 17\}$$

Sequence: A198797
Score: 14.2754
Type of gen. func.: ogf

$$\frac{2 x + 3}{(6 x - 1) (x - 1)}$$

Sequence: A198797
Score: 15.7554
Type of gen. func.: lgdogf

$$-\frac{12 x^2 + 36 x - 23}{(x - 1) (6 x - 1) (2 x + 3)}$$

Sequence: A198797
Score: 7.21791
Type of gen. func.: ogf

$$(125 f(x) + 154) (6 f(x) x^2 - 7 f(x) x + f(x) - 2 x - 3)$$

Sequence: A198797
Score: 7.73969
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) - 6 a(n), a(0) = 3, a(1) = 23\}$$

Sequence: A198807
Score: 3.38229
Type of gen. func.: ogf_with_Euler_transform]

$$[6227020800 x^{12}]$$

Sequence: A198809
Score: 3.40893
Type of gen. func.: ogf_with_Euler_transform]

$$[39916800 x^{10}]$$

Sequence: A198833
Score: 12.9371
Type of gen. func.: lgdogf

$$3 x^4 + 16 x^3 + 44 x^2 + 32 x + 10$$

$$-\frac{}{(x - 1) (x^4 + 3 x^3 + 7 x^2 + 3 x + 1)}$$

Sequence: A198833
Score: 6.99302
Type of gen. func.: ogf

$$-\frac{x^4 + 3 x^3 + 7 x^2 + 3 x + 1}{(x - 1)^7}$$

Sequence: A198834
Score: 21.5351
Type of gen. func.: ogf

$$-\frac{2 x^2}{x^2 + x - 1}$$

Sequence: A198834
Score: 43.8567
Type of gen. func.: lgdogf

$$-\frac{2 x + 1}{x^2 + x - 1}$$

Sequence: A198834
Score: 7.96798
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A198834
Score: 9.83701
Type of gen. func.: ogf

$$-f(x) (f(x) x^2 + f(x) x + 2 x^2 - f(x))$$

Sequence: A198845
Score: 14.6814
Type of gen. func.: ogf

$$-\frac{2 x - 7}{(6 x - 1) (x - 1)}$$

Sequence: A198845
Score: 16.6278
Type of gen. func.: lgdogf

$$-\frac{12 x^2 - 84 x + 47}{(x - 1) (6 x - 1) (2 x - 7)}$$

Sequence: A198845
Score: 7.42316
Type of gen. func.: ogf

$$(245 f(x) + 494) (6 f(x) x^2 - 7 f(x) x + f(x) + 2 x - 7)$$

Sequence: A198845
Score: 7.95977
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) - 6 a(n), a(0) = 7, a(1) = 47\}$$

Sequence: A198846
Score: 14.6814
Type of gen. func.: ogf

$$-\frac{3 x - 8}{(6 x - 1) (x - 1)}$$

Sequence: A198846
Score: 16.6278
Type of gen. func.: lgdogf

$$-\frac{18 x^2 - 96 x + 53}{(x - 1) (6 x - 1) (3 x - 8)}$$

Sequence: A198846
Score: 7.42316
Type of gen. func.: ogf

$$(275 f(x) + 609) (6 f(x) x^2 - 7 f(x) x + f(x) + 3 x - 8)$$

Sequence: A198846
Score: 7.95977
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) - 6 a(n), a(0) = 8, a(1) = 53\}$$

Sequence: A198847
Score: 14.8167
Type of gen. func.: ogf

$$-\frac{4 x - 9}{(6 x - 1) (x - 1)}$$

Sequence: A198847
Score: 16.3643
Type of gen. func.: lgdogf

$$-\frac{24 x^2 - 108 x + 59}{(x - 1) (6 x - 1) (4 x - 9)}$$

Sequence: A198847
Score: 7.49158
Type of gen. func.: ogf

$$(305 f(x) + 736) (6 f(x) x^2 - 7 f(x) x + f(x) + 4 x - 9)$$

Sequence: A198847
Score: 8.03313
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) - 6 a(n), a(0) = 9, a(1) = 59\}$$

Sequence: A198848
Score: 14.5607
Type of gen. func.: ogf

$$-\frac{5 (x - 2)}{(6 x - 1) (x - 1)}$$

Sequence: A198848
Score: 18.2671
Type of gen. func.: lgdogf

$$-\frac{6 x^2 - 24 x + 13}{(x - 1) (x - 2) (6 x - 1)}$$

Sequence: A198848
Score: 7.52579
Type of gen. func.: ogf

$$(67 f(x) + 175) (6 f(x) x^2 - 7 f(x) x + f(x) + 5 x - 10)$$

Sequence: A198848
Score: 7.97374
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) - 6 a(n), a(0) = 10, a(1) = 65\}$$

Sequence: A198849
Score: 13.9371
Type of gen. func.: ogf

$$-\frac{x - 2}{(6 x - 1) (x - 1)}$$

Sequence: A198849
Score: 17.0831
Type of gen. func.: lgdogf

$$-\frac{6 x^2 - 24 x + 13}{(x - 1) (x - 2) (6 x - 1)}$$

Sequence: A198849
Score: 7.20887
Type of gen. func.: ogf

$$(67 f(x) + 35) (6 f(x) x^2 - 7 f(x) x + f(x) + x - 2)$$

Sequence: A198849
Score: 7.55628
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) - 6 a(n), a(0) = 2, a(1) = 13\}$$

Sequence: A198850
Score: 12.5629
Type of gen. func.: ogf

$$\frac{6 x + 1}{(-1 + 8 x) (x - 1)}$$

Sequence: A198850
Score: 14.1937
Type of gen. func.: lgdogf

$$-\frac{(4 x + 3) (12 x - 5)}{(x - 1) (-1 + 8 x) (6 x + 1)}$$

Sequence: A198850
Score: 6.35205
Type of gen. func.: ogf

$$(119 f(x) + 106) (8 f(x) x^2 - 9 f(x) x + f(x) - 6 x - 1)$$

Sequence: A198850
Score: 6.81123
Type of gen. func.: ogf

$$\{-a(n + 2) + 9 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 15\}$$

Sequence: A198851
Score: 12.7592
Type of gen. func.: ogf

$$\frac{5 x + 2}{(-1 + 8 x) (x - 1)}$$

Sequence: A198851
Score: 14.0597
Type of gen. func.: lgdogf

$$- \frac{40 x^2 + 32 x - 23}{(x - 1) (5 x + 2) (-1 + 8 x)}$$

Sequence: A198851
Score: 6.4513
Type of gen. func.: ogf

$$(175 f(x) + 179) (8 f(x) x^2 - 9 f(x) x + f(x) - 5 x - 2)$$

Sequence: A198851
Score: 6.91766
Type of gen. func.: ogf

$$\{-a(n + 2) + 9 a(n + 1) - 8 a(n), a(0) = 2, a(1) = 23\}$$

Sequence: A198852
Score: 12.9555

Type of gen. func.: ogf

$$\frac{4x+3}{(-1+8x)(x-1)}$$

Sequence: A198852
Score: 14.2805
Type of gen. func.: lgdogf

$$-\frac{32x^2+48x-31}{(x-1)(-1+8x)(4x+3)}$$

Sequence: A198852
Score: 6.55055
Type of gen. func.: ogf

$$(231 f(x)+268)(8 f(x) x^2 - 9 f(x) x + f(x) - 4x - 3)$$

Sequence: A198852
Score: 7.02408
Type of gen. func.: ogf

$$\{-a(n+2)+9 a(n+1)-8 a(n),\ a(0)=3,\ a(1)=31\}$$

Sequence: A198853
Score: 13.0864
Type of gen. func.: ogf

$$\frac{3x+4}{(-1+8x)(x-1)}$$

Sequence: A198853
Score: 14.4278
Type of gen. func.: lgdogf

$$-\frac{24x^2+64x-39}{(x-1)(3x+4)(-1+8x)}$$

Sequence: A198853
Score: 6.61672
Type of gen. func.: ogf

$$(287 f(x) + 373) (8 f(x) x^2 - 9 f(x) x + f(x) - 3 x - 4)$$

Sequence: A198853
Score: 7.09504
Type of gen. func.: ogf

$$\{-a(n + 2) + 9 a(n + 1) - 8 a(n), a(0) = 4, a(1) = 39\}$$

Sequence: A198854
Score: 13.2173
Type of gen. func.: ogf

$$\frac{2 x + 5}{(-1 + 8 x) (x - 1)}$$

Sequence: A198854
Score: 14.5750
Type of gen. func.: lgdogf

$$- \frac{16 x^2 + 80 x - 47}{(2 x + 5) (x - 1) (-1 + 8 x)}$$

Sequence: A198854
Score: 6.68288
Type of gen. func.: ogf

$$(343 f(x) + 494) (8 f(x) x^2 - 9 f(x) x + f(x) - 2 x - 5)$$

Sequence: A198854
Score: 7.16599
Type of gen. func.: ogf

$$\{-a(n + 2) + 9 a(n + 1) - 8 a(n), a(0) = 5, a(1) = 47\}$$

Sequence: A198855
Score: 13.2173
Type of gen. func.: ogf

$$\frac{x + 6}{(-1 + 8 x) (x - 1)}$$

Sequence: A198855
Score: 15.7567
Type of gen. func.: lgdogf

$$- \frac{8 x^2 + 96 x - 55}{(x - 1) (-1 + 8 x) (x + 6)}$$

Sequence: A198855
Score: 6.68288
Type of gen. func.: ogf

$$(399 f(x) + 631) (8 f(x) x^2 - 9 f(x) x + f(x) - x - 6)$$

Sequence: A198855
Score: 7.16599
Type of gen. func.: ogf

$$\{-a(n + 2) + 9 a(n + 1) - 8 a(n), a(0) = 6, a(1) = 55\}$$

Sequence: A198856
Score: 13.2827
Type of gen. func.: ogf

$$- \frac{x - 8}{(-1 + 8 x) (x - 1)}$$

Sequence: A198856
Score: 15.8363

Type of gen. func.: lgdogf

$$-\frac{8 x^{2} - 128 x + 71}{(x - 1) (-1 + 8 x) (x - 8)}$$

Sequence: A198856
Score: 6.71597
Type of gen. func.: ogf

$$(511 f(x) + 953) (8 f(x) x^{2} - 9 f(x) x + f(x) + x - 8)$$

Sequence: A198856
Score: 7.20146
Type of gen. func.: ogf

$$\{-a(n + 2) + 9 a(n + 1) - 8 a(n), a(0) = 8, a(1) = 71\}$$

Sequence: A198857
Score: 13.3481
Type of gen. func.: ogf

$$-\frac{2 x - 9}{(-1 + 8 x) (x - 1)}$$

Sequence: A198857
Score: 14.7222
Type of gen. func.: lgdogf

$$-\frac{16 x^{2} - 144 x + 79}{(x - 1) (-1 + 8 x) (2 x - 9)}$$

Sequence: A198857
Score: 6.67406
Type of gen. func.: ogf

$$(567 f(x) + 1138) (8 f(x) x^{2} - 9 f(x) x + f(x) + 2 x - 9)$$

```
------------------------------------------------------------------------------

Sequence:  A198857
Score: 7.23694
Type of gen. func.: ogf


             {-a(n + 2) + 9 a(n + 1) - 8 a(n), a(0) = 9, a(1) = 79}



------------------------------------------------------------------------------

Sequence:  A198858
Score: 13.1220
Type of gen. func.: ogf


                                     3 x - 10
                              - ------------------
                                (-1 + 8 x) (x - 1)



------------------------------------------------------------------------------

Sequence:  A198858
Score: 14.4349
Type of gen. func.: lgdogf


                                   2
                               24 x  - 160 x + 87
                        - -----------------------------
                          (3 x - 10) (x - 1) (-1 + 8 x)



------------------------------------------------------------------------------

Sequence:  A198858
Score: 6.63308
Type of gen. func.: ogf


                                      2
           (623 f(x) + 1339) (8 f(x) x  - 9 f(x) x + f(x) + 3 x - 10)



------------------------------------------------------------------------------

Sequence:  A198858
Score: 7.18583
Type of gen. func.: ogf


            {-a(n + 2) + 9 a(n + 1) - 8 a(n), a(0) = 10, a(1) = 87}



------------------------------------------------------------------------------

Sequence:  A198859
Score: 12.8019
Type of gen. func.: ogf


                                    7 x + 1
                               ------------------
```

$$(-1 + 9 x) (x - 1)$$

Sequence: A198859
Score: 14.4278
Type of gen. func.: lgdogf

$$-\frac{63 x^2 + 18 x - 17}{(x - 1) (7 x + 1) (-1 + 9 x)}$$

Sequence: A198859
Score: 6.5432
Type of gen. func.: ogf

$$(152 f(x) + 137) (9 f(x) x^2 - 10 f(x) x + f(x) - 7 x - 1)$$

Sequence: A198859
Score: 7.01057
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 9 a(n), a(0) = 1, a(1) = 17\}$$

Sequence: A198862
Score: 14.0106
Type of gen. func.: ogf

$$\frac{3 x - 1}{x^4 - x + 1}$$

Sequence: A198862
Score: 20.3487
Type of gen. func.: lgdogf

$$-\frac{9 x^4 - 4 x^3 - 2}{(3 x - 1) (x^4 - x + 1)}$$

Sequence: A198862
Score: 7.24684
Type of gen. func.: ogf

$$(13 f(x) - 14) (f(x) x^4 - f(x) x + f(x) - 3 x + 1)$$

Sequence: A198888
Score: 40.5538
Type of gen. func.: revogf

$$- \frac{x (x^4 + x^3 - 1)}{x + 1}$$

Sequence: A198900
Score: 4.11659
Type of gen. func.: ogf

$$-(2319160 f(x) + 1896451) (39 f(x) x^3 - 55 f(x) x^2 + 17 f(x) x + 20 x^2 - f(x) - 13 x + 1)$$

Sequence: A198900
Score: 4.68440
Type of gen. func.: ogf

$$\{-a(n + 3) + 17 a(n + 2) - 55 a(n + 1) + 39 a(n), a(0) = 1, a(1) = 4, a(2) = 33 \}$$

Sequence: A198900
Score: 7.18687
Type of gen. func.: lgdogf

$$- \frac{2 (390 x^4 - 507 x^3 + 246 x^2 - 35 x + 2)}{(x - 1) (3 x - 1) (13 x - 1) (20 x^2 - 13 x + 1)}$$

Sequence: A198900
Score: 8.23318

Type of gen. func.: ogf

$$-\frac{20x^2-13x+1}{(x-1)(3x-1)(13x-1)}$$

Sequence: A198901
Score: 4.77602
Type of gen. func.: ogf

$$-\frac{139x^4-434x^3+314x^2-69x+2}{(x-1)(2x^2-5x+1)(116x^2-45x+1)}$$

Sequence: A198908
Score: 3.98538
Type of gen. func.: ogf

$$-\frac{128772x^5-107312x^4+25272x^3-2295x^2+84x-1}{(x-1)(43x-1)(13x-1)(7x-1)(3x-1)(21x-1)}$$

Sequence: A198943
Score: 9.41669
Type of gen. func.: ogf

$$\frac{(x+1)(x^4+8x^3+33x^2+8x+1)}{x^6-38x^3+1}$$

Sequence: A198947
Score: 10.5634
Type of gen. func.: lgdogf

$$-\frac{x^6+14x^5-x^4-4x^3+137x^2+26x+7}{(x-1)(x^2+8x+1)(x^4-20x^2+1)}$$

Sequence: A198947
Score: 11.5587
Type of gen. func.: ogf

$$-\frac{(x-1)\,(x^{2}+8\,x+1)}{x^{4}-20\,x^{2}+1}$$

Sequence: A198947
Score: 6.93521
Type of gen. func.: ogf

$$(35910\,f(x)-15313)\,(f(x)\,x^{4}-20\,f(x)\,x^{2}+x^{3}+7\,x^{2}+f(x)-7\,x-1)$$

Sequence: A198949
Score: 10.7960
Type of gen. func.: ogf

$$\frac{(x+1)\,(x^{2}+22\,x+1)}{x^{4}-20\,x^{2}+1}$$

Sequence: A198949
Score: 6.43974
Type of gen. func.: ogf

$$(395010\,f(x)+273943)\,(f(x)\,x^{4}-20\,f(x)\,x^{2}-x^{3}-23\,x^{2}+f(x)-23\,x-1)$$

Sequence: A198949
Score: 9.36906
Type of gen. func.: lgdogf

$$-\frac{x^{6}+46\,x^{5}+89\,x^{4}+4\,x^{3}-463\,x^{2}-86\,x-23}{(x+1)\,(x^{2}+22\,x+1)\,(x^{4}-20\,x^{2}+1)}$$

Sequence: A198951
Score: 40.8464

Type of gen. func.: revogf

$$\frac{x}{(x^2 - x + 1)(x + 1)^2}$$

Sequence: A198953
Score: 17.1892
Type of gen. func.: revogf

$$\frac{(1 + (-4 x^3 - 8 x^2 - 4 x + 1)^{1/2}) x}{2 (x + 1)}$$

Sequence: A198958
Score: 15.6126
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-12 x - 6}{x^2 + x + 1}$$

Sequence: A198960
Score: 13.0580
Type of gen. func.: ogf

$$\frac{2 (3 x + 1)}{(-1 + 9 x) (x - 1)}$$

Sequence: A198960
Score: 14.7222
Type of gen. func.: lgdogf

$$- \frac{27 x^2 + 18 x - 13}{(x - 1) (3 x + 1) (-1 + 9 x)}$$

Sequence: A198960
Score: 6.82574
Type of gen. func.: ogf

$$(56 f(x) + 57) (9 f(x) x^2 - 10 f(x) x + f(x) - 6 x - 2)$$

Sequence: A198960
Score: 7.15079
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 9 a(n), a(0) = 2, a(1) = 26\}$$

Sequence: A198961
Score: 13.2500
Type of gen. func.: ogf

$$\frac{5 x + 3}{(-1 + 9 x) (x - 1)}$$

Sequence: A198961
Score: 15.3262
Type of gen. func.: lgdogf

$$-\frac{(3 x + 5) (15 x - 7)}{(x - 1) (-1 + 9 x) (5 x + 3)}$$

Sequence: A198961
Score: 6.77221
Type of gen. func.: ogf

$$(296 f(x) + 337) (9 f(x) x^2 - 10 f(x) x + f(x) - 5 x - 3)$$

Sequence: A198961
Score: 7.25594
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 9 a(n), a(0) = 3, a(1) = 35\}$$

Sequence: A198962
Score: 13.3780
Type of gen. func.: ogf

$$\frac{4 (x + 1)}{(-1 + 9 x) (x - 1)}$$

Sequence: A198962
Score: 16.3138
Type of gen. func.: lgdogf

$$- \frac{9 x^2 + 18 x - 11}{(x - 1) (-1 + 9 x) (x + 1)}$$

Sequence: A198962
Score: 6.99304
Type of gen. func.: ogf

$$(23 f(x) + 29) (9 f(x) x^2 - 10 f(x) x + f(x) - 4 x - 4)$$

Sequence: A198962
Score: 7.32605
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 9 a(n), a(0) = 4, a(1) = 44\}$$

Sequence: A198963
Score: 13.5060
Type of gen. func.: ogf

$$\frac{3 x + 5}{(-1 + 9 x) (x - 1)}$$

Sequence: A198963
Score: 15.2375
Type of gen. func.: lgdogf

$$- \frac{27 x^2 + 90 x - 53}{(3 x + 5) (x - 1) (-1 + 9 x)}$$

Sequence: A198963
Score: 6.90307
Type of gen. func.: ogf

$$(440 f(x) + 609) (9 f(x) x^2 - 10 f(x) x + f(x) - 3 x - 5)$$

Sequence: A198963
Score: 7.39615
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 9 a(n), a(0) = 5, a(1) = 53\}$$

Sequence: A198964
Score: 13.1220
Type of gen. func.: ogf

$$\frac{x + 3}{(-1 + 9 x) (x - 1)}$$

Sequence: A198964
Score: 15.9955
Type of gen. func.: lgdogf

$$- \frac{9 x^2 + 54 x - 31}{(x - 1) (x + 3) (-1 + 9 x)}$$

Sequence: A198964
Score: 6.70678
Type of gen. func.: ogf

$$(256 f(x) + 193) (9 f(x) x^2 - 10 f(x) x + f(x) - x - 3)$$

Sequence: A198964
Score: 7.18583
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 9 a(n), a(0) = 3, a(1) = 31\}$$

Sequence: A198965
Score: 13.5700
Type of gen. func.: ogf

$$\frac{2 (x + 3)}{(-1 + 9 x) (x - 1)}$$

Sequence: A198965
Score: 16.5525
Type of gen. func.: lgdogf

$$- \frac{9 x^2 + 54 x - 31}{(x - 1) (x + 3) (-1 + 9 x)}$$

Sequence: A198965
Score: 6.93579
Type of gen. func.: ogf

$$(128 f(x) + 193) (9 f(x) x^2 - 10 f(x) x + f(x) - 2 x - 6)$$

Sequence: A198965
Score: 7.43120
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 9 a(n), a(0) = 6, a(1) = 62\}$$

Sequence: A198966
Score: 13.5700
Type of gen. func.: ogf

$$\frac{x + 7}{(-1 + 9 x) (x - 1)}$$

Sequence: A198966
Score: 16.1169
Type of gen. func.: lgdogf

$$-\frac{9 x^2 + 126 x - 71}{(x - 1) (x + 7) (-1 + 9 x)}$$

Sequence: A198966
Score: 6.93579
Type of gen. func.: ogf

$$(584 f(x) + 953) (9 f(x) x^2 - 10 f(x) x + f(x) - x - 7)$$

Sequence: A198966
Score: 7.43120
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 9 a(n), a(0) = 7, a(1) = 71\}$$

Sequence: A198967
Score: 13.5700
Type of gen. func.: ogf

$$-\frac{x - 9}{(-1 + 9 x) (x - 1)}$$

Sequence: A198967
Score: 16.5525
Type of gen. func.: lgdogf

$$-\frac{9 x^2 - 162 x + 89}{(x - 1) (-1 + 9 x) (x - 9)}$$

Sequence: A198967
Score: 6.85957
Type of gen. func.: ogf

$$(728 f(x) + 1369) (9 f(x) x^2 - 10 f(x) x + f(x) + x - 9)$$

Sequence: A198967
Score: 7.43120
Type of gen. func.: ogf

$$\{-a(n+2) + 10\, a(n+1) - 9\, a(n),\ a(0) = 9,\ a(1) = 89\}$$

Sequence: A198968
Score: 13.3440
Type of gen. func.: ogf

$$-\frac{2 (x - 5)}{(-1 + 9 x) (x - 1)}$$

Sequence: A198968
Score: 17.0941
Type of gen. func.: lgdogf

$$-\frac{9 x^2 - 90 x + 49}{(x - 5) (x - 1) (-1 + 9 x)}$$

Sequence: A198968
Score: 6.89193
Type of gen. func.: ogf

$$(200 f(x) + 401) (9 f(x) x^2 - 10 f(x) x + f(x) + 2 x - 10)$$

Sequence: A198968
Score: 7.37842
Type of gen. func.: ogf

$$\{-a(n+2) + 10\, a(n+1) - 9\, a(n),\ a(0) = 10,\ a(1) = 98\}$$

Sequence: A198969
Score: 13.4420
Type of gen. func.: ogf

$$-\frac{x - 5}{(-1 + 9 x) (x - 1)}$$

Sequence: A198969
Score: 16.8487
Type of gen. func.: lgdogf

$$-\frac{9x^2 - 90x + 49}{(x-5)(x-1)(-1+9x)}$$

Sequence: A198969
Score: 6.87036
Type of gen. func.: ogf

$$(400 f(x) + 401) (9 f(x) x^2 - 10 f(x) x + f(x) + x - 5)$$

Sequence: A198969
Score: 7.36110
Type of gen. func.: ogf

$$\{-a(n+2) + 10 a(n+1) - 9 a(n), a(0) = 5, a(1) = 49\}$$

Sequence: A198970
Score: 13.2813
Type of gen. func.: ogf

$$\frac{3(2x+1)}{(10x-1)(x-1)}$$

Sequence: A198970
Score: 14.9376
Type of gen. func.: lgdogf

$$-\frac{20x^2 + 20x - 13}{(x-1)(2x+1)(10x-1)}$$

Sequence: A198970
Score: 7.01372

Type of gen. func.: ogf

$$(41 f(x) + 46) (10 f(x) x^2 - 11 f(x) x + f(x) - 6 x - 3)$$

Sequence: A198970
Score: 7.34378
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 3, a(1) = 39\}$$

Sequence: A198971
Score: 13.2813
Type of gen. func.: ogf

$$\frac{5 x + 4}{(10 x - 1) (x - 1)}$$

Sequence: A198971
Score: 14.9376
Type of gen. func.: lgdogf

$$- \frac{50 x^2 + 80 x - 49}{(x - 1) (5 x + 4) (10 x - 1)}$$

Sequence: A198971
Score: 6.85957
Type of gen. func.: ogf

$$(459 f(x) + 565) (10 f(x) x^2 - 11 f(x) x + f(x) - 5 x - 4)$$

Sequence: A198971
Score: 7.34378
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 4, a(1) = 49\}$$

Sequence: A198972
Score: 13.2813
Type of gen. func.: ogf

$$\frac{x + 2}{(10 x - 1) (x - 1)}$$

Sequence: A198972
Score: 15.7037
Type of gen. func.: lgdogf

$$- \frac{10 x^2 + 40 x - 23}{(x - 1) (x + 2) (10 x - 1)}$$

Sequence: A198972
Score: 6.85957
Type of gen. func.: ogf

$$(213 f(x) + 103) (10 f(x) x^2 - 11 f(x) x + f(x) - x - 2)$$

Sequence: A198972
Score: 7.34378
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 2, a(1) = 23\}$$

Sequence: A198973
Score: 13.2813
Type of gen. func.: ogf

$$\frac{2 x + 7}{(10 x - 1) (x - 1)}$$

Sequence: A198973
Score: 14.5820
Type of gen. func.: lgdogf

$$- \frac{20 x^2 + 140 x - 79}{}$$

$$(x - 1) (2 x + 7) (10 x - 1)$$

Sequence: A198973
Score: 6.78501
Type of gen. func.: ogf

$$(729 f(x) + 1138) (10 f(x) x^2 - 11 f(x) x + f(x) - 2 x - 7)$$

Sequence: A198973
Score: 7.34378
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 7, a(1) = 79\}$$

Sequence: A198974
Score: 13.4066
Type of gen. func.: ogf

$$\frac{9 x + 1}{(11 x - 1) (x - 1)}$$

Sequence: A198974
Score: 15.0813
Type of gen. func.: lgdogf

$$- \frac{99 x^2 + 22 x - 21}{(x - 1) (11 x - 1) (9 x + 1)}$$

Sequence: A198974
Score: 6.92429
Type of gen. func.: ogf

$$(230 f(x) + 211) (11 f(x) x^2 - 12 f(x) x + f(x) - 9 x - 1)$$

Sequence: A198974
Score: 7.41306
Type of gen. func.: ogf

$$\{-a(n+2)+12\,a(n+1)-11\,a(n),\ a(0)=1,\ a(1)=21\}$$

Sequence: A198976
Score: 3.27044
Type of gen. func.: ogf

$$(3776016\,f(x)+14734063)\,(441\,f(x)\,x^{4}-672\,f(x)\,x^{3}+262\,f(x)\,x^{2}+231\,x^{3}-32\,f(x)\,x-168\,x^{2}+f(x)+28\,x-1)$$

Sequence: A198976
Score: 5.95292
Type of gen. func.: ogf

$$-\frac{231\,x^{3}-168\,x^{2}+28\,x-1}{(x-1)\,(3\,x-1)\,(7\,x-1)\,(21\,x-1)}$$

Sequence: A199015
Score: 29.3195
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x+3}{-x-1}$$

Sequence: A199018
Score: 13.2813
Type of gen. func.: ogf

$$\frac{4\,x+1}{(11\,x-1)\,(x-1)}$$

Sequence: A199018
Score: 14.5820
Type of gen. func.: lgdogf

$$-\frac{2\,(22\,x^{2}+11\,x-8)}{}$$

$$(x - 1) (4 x + 1) (11 x - 1)$$

Sequence: A199018
Score: 7.01372
Type of gen. func.: ogf

$$(85 f(x) + 43) (11 f(x) x^2 - 12 f(x) x + f(x) - 4 x - 1)$$

Sequence: A199018
Score: 7.34378
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 11 a(n), a(0) = 1, a(1) = 16\}$$

Sequence: A199019
Score: 12.1150
Type of gen. func.: ogf

$$\frac{2 (4 x + 1)}{(11 x - 1) (x - 1)}$$

Sequence: A199019
Score: 13.2819
Type of gen. func.: lgdogf

$$- \frac{2 (22 x^2 + 11 x - 8)}{(x - 1) (4 x + 1) (11 x - 1)}$$

Sequence: A199019
Score: 5.99372
Type of gen. func.: ogf

$$(29945 f(x) + 71182) (11 f(x) x^2 - 12 f(x) x + f(x) - 8 x - 2)$$

Sequence: A199019
Score: 6.69886
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 11 a(n), a(0) = 2, a(1) = 32\}$$

Sequence: A199020
Score: 12.2994
Type of gen. func.: ogf

$$\frac{7 x + 3}{(11 x - 1) (x - 1)}$$

Sequence: A199020
Score: 13.8174
Type of gen. func.: lgdogf

$$-\frac{77 x^2 + 66 x - 43}{(x - 1) (7 x + 3) (11 x - 1)}$$

Sequence: A199020
Score: 6.35247
Type of gen. func.: ogf

$$(450 f(x) + 499) (11 f(x) x^2 - 12 f(x) x + f(x) - 7 x - 3)$$

Sequence: A199020
Score: 6.80087
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 11 a(n), a(0) = 3, a(1) = 43\}$$

Sequence: A199021
Score: 11.9920
Type of gen. func.: ogf

$$\frac{3 x + 2}{(11 x - 1) (x - 1)}$$

Sequence: A199021
Score: 13.4649
Type of gen. func.: lgdogf

$$-\frac{33 x^2 + 44 x - 27}{(x - 1) (3 x + 2) (11 x - 1)}$$

Sequence: A199021
Score: 6.19365
Type of gen. func.: ogf

$$(280 f(x) + 169) (11 f(x) x^2 - 12 f(x) x + f(x) - 3 x - 2)$$

Sequence: A199021
Score: 6.63085
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 11 a(n), a(0) = 2, a(1) = 27\}$$

Sequence: A199022
Score: 12.4224
Type of gen. func.: ogf

$$\frac{2 (3 x + 2)}{(11 x - 1) (x - 1)}$$

Sequence: A199022
Score: 13.9584
Type of gen. func.: lgdogf

$$-\frac{33 x^2 + 44 x - 27}{(x - 1) (3 x + 2) (11 x - 1)}$$

Sequence: A199022
Score: 6.41599
Type of gen. func.: ogf

$$(140 f(x) + 169) (11 f(x) x^2 - 12 f(x) x + f(x) - 6 x - 4)$$

Sequence: A199022
Score: 6.86888
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 11 a(n), a(0) = 4, a(1) = 54\}$$

Sequence: A199023
Score: 11.8075
Type of gen. func.: ogf

$$\frac{x + 1}{(11 x - 1) (x - 1)}$$

Sequence: A199023
Score: 13.9331
Type of gen. func.: lgdogf

$$- \frac{11 x^2 + 22 x - 13}{(x - 1) (11 x - 1) (x + 1)}$$

Sequence: A199023
Score: 6.16613
Type of gen. func.: ogf

$$(134 f(x) + 35) (11 f(x) x^2 - 12 f(x) x + f(x) - x - 1)$$

Sequence: A199023
Score: 6.52884
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 11 a(n), a(0) = 1, a(1) = 13\}$$

Sequence: A199024
Score: 12.5454
Type of gen. func.: ogf

$$\frac{5 (x + 1)}{(11 x - 1) (x - 1)}$$

Sequence: A199024
Score: 14.8224
Type of gen. func.: lgdogf

$$- \frac{11 x^2 + 22 x - 13}{(x - 1) (11 x - 1) (x + 1)}$$

Sequence: A199024
Score: 6.47951
Type of gen. func.: ogf

$$(134 f(x) + 175) (11 f(x) x^2 - 12 f(x) x + f(x) - 5 x - 5)$$

Sequence: A199024
Score: 6.93688
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 11 a(n), a(0) = 5, a(1) = 65\}$$

Sequence: A199025
Score: 12.1764
Type of gen. func.: ogf

$$\frac{2 x + 3}{(11 x - 1) (x - 1)}$$

Sequence: A199025
Score: 13.0403
Type of gen. func.: lgdogf

$$- \frac{2 (11 x^2 + 33 x - 19)}{(x - 1) (2 x + 3) (11 x - 1)}$$

Sequence: A199025
Score: 6.28894
Type of gen. func.: ogf

$$(195 f(x) + 137) (11 f(x) x^2 - 12 f(x) x + f(x) - 2 x - 3)$$

Sequence: A199025
Score: 6.73286
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 11 a(n), a(0) = 3, a(1) = 38\}$$

Sequence: A199026
Score: 12.6684
Type of gen. func.: ogf

$$\frac{2 (2 x + 3)}{(11 x - 1) (x - 1)}$$

Sequence: A199026
Score: 13.5780
Type of gen. func.: lgdogf

$$-\frac{2 (11 x^2 + 33 x - 19)}{(x - 1) (2 x + 3) (11 x - 1)}$$

Sequence: A199026
Score: 6.54304
Type of gen. func.: ogf

$$(195 f(x) + 274) (11 f(x) x^2 - 12 f(x) x + f(x) - 4 x - 6)$$

Sequence: A199026
Score: 7.00489
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 11 a(n), a(0) = 6, a(1) = 76\}$$

Sequence: A199027
Score: 12.7299
Type of gen. func.: ogf

$$\frac{3 x + 7}{(11 x - 1) (x - 1)}$$

Sequence: A199027
Score: 13.9701
Type of gen. func.: lgdogf

$$- \frac{33 x^{2} + 154 x - 87}{(x - 1) (3 x + 7) (11 x - 1)}$$

Sequence: A199027
Score: 6.50334
Type of gen. func.: ogf

$$(890 f(x) + 1339) (11 f(x) x^{2} - 12 f(x) x + f(x) - 3 x - 7)$$

Sequence: A199027
Score: 7.03891
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 11 a(n), a(0) = 7, a(1) = 87\}$$

Sequence: A199028
Score: 12.3609
Type of gen. func.: ogf

$$\frac{x + 4}{(11 x - 1) (x - 1)}$$

Sequence: A199028
Score: 14.6001
Type of gen. func.: lgdogf

$$-\frac{11 x^2 + 88 x - 49}{(x - 1) (x + 4) (11 x - 1)}$$

Sequence: A199028
Score: 6.38423
Type of gen. func.: ogf

$$(500 f(x) + 401) (11 f(x) x^2 - 12 f(x) x + f(x) - x - 4)$$

Sequence: A199028
Score: 6.83487
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 11 a(n), a(0) = 4, a(1) = 49\}$$

Sequence: A199029
Score: 12.7914
Type of gen. func.: ogf

$$\frac{2 (x + 4)}{(11 x - 1) (x - 1)}$$

Sequence: A199029
Score: 15.1189
Type of gen. func.: lgdogf

$$-\frac{11 x^2 + 88 x - 49}{(x - 1) (x + 4) (11 x - 1)}$$

Sequence: A199029
Score: 6.60656
Type of gen. func.: ogf

$$(250 f(x) + 401) (11 f(x) x^2 - 12 f(x) x + f(x) - 2 x - 8)$$

Sequence: A199029
Score: 7.07291
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 11 a(n), a(0) = 8, a(1) = 98\}$$

Sequence: A199030
Score: 12.8529
Type of gen. func.: ogf

$$\frac{x + 9}{(11 x - 1) (x - 1)}$$

Sequence: A199030
Score: 14.4519
Type of gen. func.: lgdogf

$$- \frac{11 x^2 + 198 x - 109}{(x - 1) (x + 9) (11 x - 1)}$$

Sequence: A199030
Score: 6.49557
Type of gen. func.: ogf

$$(1110 f(x) + 1891) (11 f(x) x^2 - 12 f(x) x + f(x) - x - 9)$$

Sequence: A199030
Score: 7.02427
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 11 a(n), a(0) = 9, a(1) = 109\}$$

Sequence: A199031
Score: 12.1034
Type of gen. func.: ogf

$$\frac{10 x + 1}{(12 x - 1) (x - 1)}$$

Sequence: A199031
Score: 13.2419
Type of gen. func.: lgdogf

$$-\frac{120 x^2 + 24 x - 23}{(x - 1) (10 x + 1) (12 x - 1)}$$

Sequence: A199031
Score: 6.31483
Type of gen. func.: ogf

$$(275 f(x) + 254) (12 f(x) x^2 - 13 f(x) x + f(x) - 10 x - 1)$$

Sequence: A199031
Score: 6.83487
Type of gen. func.: ogf

$$\{-a(n + 2) + 13 a(n + 1) - 12 a(n), a(0) = 1, a(1) = 23\}$$

Sequence: A199032
Score: 12.4839
Type of gen. func.: ogf

$$\frac{9 x + 2}{(12 x - 1) (x - 1)}$$

Sequence: A199032
Score: 14.3796
Type of gen. func.: lgdogf

$$-\frac{(6 x + 5) (18 x - 7)}{(x - 1) (9 x + 2) (12 x - 1)}$$

Sequence: A199032
Score: 6.44775
Type of gen. func.: ogf

$$(407 f(x) + 411) (12 f(x) x^2 - 13 f(x) x + f(x) - 9 x - 2)$$

Sequence: A199032
Score: 6.90288
Type of gen. func.: ogf

$$\{-a(n + 2) + 13 a(n + 1) - 12 a(n), a(0) = 2, a(1) = 35\}$$

Sequence: A199033
Score: 5.3784
Type of gen. func.: ogf

$$27 f(x)^3 x^4 + 104 f(x)^3 x^3 - 16 f(x)^3 x^2 + 54 f(x)^2 x^2 - 8 f(x)^2 x + 12 f(x) x - f(x) + 1$$

Sequence: A199042
Score: 46.7777
Type of gen. func.: lgdegf]

$$\frac{1}{2 x^2 + 2 x + 1}$$

Sequence: A199042
Score: 5.78915
Type of gen. func.: ogf

$$\{(-2 n^2 - 2 n) a(n) + (-1 - 2 n) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A199085
Score: 10.6123
Type of gen. func.: lgdogf

$$\frac{x^8 - 2 x^7 - 2 x^5 + 7 x^4 + 6 x^3 + 5 x^2 + 2 x + 1}{(x - 1) (x^2 + x + 1) (x^6 - 2 x^4 - x^2 + x - 1)}$$

Sequence: A199085
Score: 8.95965
Type of gen. func.: ogf

$$\frac{x^6 - 2 x^4 - x^2 + x - 1}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A199106
Score: 12.5454
Type of gen. func.: ogf

$$\frac{8 x + 3}{(12 x - 1) (x - 1)}$$

Sequence: A199106
Score: 14.0994
Type of gen. func.: lgdogf

$$- \frac{96 x^2 + 72 x - 47}{(x - 1) (12 x - 1) (8 x + 3)}$$

Sequence: A199106
Score: 6.47951
Type of gen. func.: ogf

$$(539 f(x) + 592) (12 f(x) x^2 - 13 f(x) x + f(x) - 8 x - 3)$$

Sequence: A199106
Score: 6.93688
Type of gen. func.: ogf

$$\{-a(n + 2) + 13 a(n + 1) - 12 a(n), a(0) = 3, a(1) = 47\}$$

Sequence: A199107
Score: 12.7299
Type of gen. func.: ogf

$$\frac{7x+4}{(12x-1)(x-1)}$$

Sequence: A199107
Score: 14.3109
Type of gen. func.: lgdogf

$$-\frac{84x^2+96x-59}{(x-1)(12x-1)(7x+4)}$$

Sequence: A199107
Score: 6.5748
Type of gen. func.: ogf

$$(671 f(x) + 797) (12 f(x) x^2 - 13 f(x) x + f(x) - 7 x - 4)$$

Sequence: A199107
Score: 7.03891
Type of gen. func.: ogf

$$\{-a(n + 2) + 13 a(n + 1) - 12 a(n), a(0) = 4, a(1) = 59\}$$

Sequence: A199108
Score: 15.4217
Type of gen. func.: ogf

$$-\frac{7x-5}{(3x-1)(x-1)}$$

Sequence: A199108
Score: 17.4601
Type of gen. func.: lgdogf

$$-\frac{21x^2-30x+13}{(7x-5)(x-1)(3x-1)}$$

Sequence: A199108
Score: 7.62609
Type of gen. func.: ogf

$$-(22 f(x) + 59) (3 f(x) x^2 - 4 f(x) x + f(x) + 7 x - 5)$$

Sequence: A199108
Score: 8.36114
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + 3 a(n), a(0) = 5, a(1) = 13\}$$

Sequence: A199109
Score: 15.2769
Type of gen. func.: ogf

$$-\frac{5 x - 4}{(3 x - 1) (x - 1)}$$

Sequence: A199109
Score: 17.2930
Type of gen. func.: lgdogf

$$-\frac{15 x^2 - 24 x + 11}{(x - 1) (5 x - 4) (3 x - 1)}$$

Sequence: A199109
Score: 8.14905
Type of gen. func.: ogf

$$-(20 f(x) + 41) (3 f(x) x^2 - 4 f(x) x + f(x) + 5 x - 4)$$

Sequence: A199109
Score: 8.28264
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + 3 a(n), a(0) = 4, a(1) = 11\}$$

Sequence: A199110
Score: 15.5114
Type of gen. func.: ogf

$$-\frac{2\,(5\,x-4)}{(3\,x-1)\,(x-1)}$$

Sequence: A199110
Score: 17.9613
Type of gen. func.: lgdogf

$$-\frac{15\,x^{2}-24\,x+11}{(x-1)\,(5\,x-4)\,(3\,x-1)}$$

Sequence: A199110
Score: 7.75569
Type of gen. func.: ogf

$$-(10\,f(x)+41)\,(3\,f(x)\,x^{2}-4\,f(x)\,x+f(x)+10\,x-8)$$

Sequence: A199110
Score: 8.59667
Type of gen. func.: ogf

$$\{a(n+2)-4\,a(n+1)+3\,a(n),\ a(0)=8,\ a(1)=22\}$$

Sequence: A199111
Score: 15.5822
Type of gen. func.: ogf

$$-\frac{11\,x-9}{(3\,x-1)\,(x-1)}$$

Sequence: A199111
Score: 17.5937
Type of gen. func.: lgdogf

$$-\frac{33 x^2 - 54 x + 25}{(x - 1) (3 x - 1) (11 x - 9)}$$

Sequence: A199111
Score: 7.70733
Type of gen. func.: ogf

$$-(46 f(x) + 211) (3 f(x) x^2 - 4 f(x) x + f(x) + 11 x - 9)$$

Sequence: A199111
Score: 8.63593
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + 3 a(n), a(0) = 9, a(1) = 25\}$$

Sequence: A199112
Score: 14.3137
Type of gen. func.: ogf

$$-\frac{13 x - 11}{(3 x - 1) (x - 1)}$$

Sequence: A199112
Score: 16.0944
Type of gen. func.: lgdogf

$$-\frac{39 x^2 - 66 x + 31}{(13 x - 11) (x - 1) (3 x - 1)}$$

Sequence: A199112
Score: 7.15686
Type of gen. func.: ogf

$$-(58 f(x) + 323) (3 f(x) x^2 - 4 f(x) x + f(x) + 13 x - 11)$$

Sequence: A199112
Score: 8.00888
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + 3 a(n), a(0) = 11, a(1) = 31\}$$

Sequence: A199113
Score: 15.6389
Type of gen. func.: ogf

$$-\frac{7 x - 6}{(3 x - 1) (x - 1)}$$

Sequence: A199113
Score: 17.7107
Type of gen. func.: lgdogf

$$-\frac{21 x^2 - 36 x + 17}{(x - 1) (3 x - 1) (7 x - 6)}$$

Sequence: A199113
Score: 7.7335
Type of gen. func.: ogf

$$-(32 f(x) + 97) (3 f(x) x^2 - 4 f(x) x + f(x) + 7 x - 6)$$

Sequence: A199113
Score: 8.47892
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + 3 a(n), a(0) = 6, a(1) = 17\}$$

Sequence: A199114
Score: 14.4507
Type of gen. func.: ogf

$$-\frac{2 (7 x - 6)}{(3 x - 1) (x - 1)}$$

Sequence: A199114
Score: 17.0848
Type of gen. func.: lgdogf

$$-\frac{21 x^2 - 36 x + 17}{(x - 1) (3 x - 1) (7 x - 6)}$$

Sequence: A199114
Score: 7.30304
Type of gen. func.: ogf

$$-(16 f(x) + 97) (3 f(x) x^2 - 4 f(x) x + f(x) + 14 x - 12)$$

Sequence: A199114
Score: 8.08552
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + 3 a(n), a(0) = 12, a(1) = 34\}$$

Sequence: A199115
Score: 14.2839
Type of gen. func.: ogf

$$-\frac{3 (3 x - 2)}{(4 x - 1) (x - 1)}$$

Sequence: A199115
Score: 16.5851
Type of gen. func.: lgdogf

$$-\frac{12 x^2 - 16 x + 7}{(x - 1) (4 x - 1) (3 x - 2)}$$

Sequence: A199115
Score: 7.06348
Type of gen. func.: ogf

$$-(19 f(x) + 33) (4 f(x) x^2 - 5 f(x) x + f(x) + 9 x - 6)$$

Sequence: A199115
Score: 7.74428
Type of gen. func.: ogf

{a(n + 2) - 5 a(n + 1) + 4 a(n), a(0) = 6, a(1) = 21}

Sequence: A199116
Score: 14.1779
Type of gen. func.: ogf

$$-\frac{10 x - 7}{(4 x - 1) (x - 1)}$$

Sequence: A199116
Score: 15.9910
Type of gen. func.: lgdogf

$$-\frac{40 x^2 - 56 x + 25}{(x - 1) (4 x - 1) (10 x - 7)}$$

Sequence: A199116
Score: 7.01272
Type of gen. func.: ogf

$$-(69 f(x) + 142) (4 f(x) x^2 - 5 f(x) x + f(x) + 10 x - 7)$$

Sequence: A199116
Score: 7.85761
Type of gen. func.: ogf

{a(n + 2) - 5 a(n + 1) + 4 a(n), a(0) = 7, a(1) = 25}

Sequence: A199142

Score: 6.93148
Type of gen. func.: ogf

$$-\frac{x\,(x^4 + 3\,x^3 - 2\,x^2 - 2\,x + 1)}{(x - 1)\,(3\,x^2 + x - 1)\,(x^2 + x - 1)}$$

Sequence: A199207
Score: 13.0361
Type of gen. func.: ogf

$$-\frac{11\,x - 8}{(4\,x - 1)\,(x - 1)}$$

Sequence: A199207
Score: 14.6824
Type of gen. func.: lgdogf

$$-\frac{44\,x^2 - 64\,x + 29}{(x - 1)\,(11\,x - 8)\,(4\,x - 1)}$$

Sequence: A199207
Score: 6.44798
Type of gen. func.: ogf

$$-(81\,f(x) + 193)\,(4\,f(x)\,x^2 - 5\,f(x)\,x + f(x) + 11\,x - 8)$$

Sequence: A199207
Score: 7.22484
Type of gen. func.: ogf

$$\{a(n + 2) - 5\,a(n + 1) + 4\,a(n),\ a(0) = 8,\ a(1) = 29\}$$

Sequence: A199208
Score: 12.8245
Type of gen. func.: ogf

$$-\frac{13\,x - 10}{}$$

$$(4 x - 1) (x - 1)$$

Sequence: A199208
Score: 14.3997
Type of gen. func.: lgdogf

$$- \frac{52 x^2 - 80 x + 37}{(13 x - 10) (x - 1) (4 x - 1)}$$

Sequence: A199208
Score: 6.34477
Type of gen. func.: ogf

$$-(105 f(x) + 319) (4 f(x) x^2 - 5 f(x) x + f(x) + 13 x - 10)$$

Sequence: A199208
Score: 7.17563
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 4 a(n), a(0) = 10, a(1) = 37\}$$

Sequence: A199209
Score: 13.0876
Type of gen. func.: ogf

$$- \frac{14 x - 11}{(4 x - 1) (x - 1)}$$

Sequence: A199209
Score: 14.7013
Type of gen. func.: lgdogf

$$- \frac{56 x^2 - 88 x + 41}{(14 x - 11) (x - 1) (4 x - 1)}$$

Sequence: A199209

Score: 6.47492
Type of gen. func.: ogf

$$-(117 f(x) + 394) (4 f(x) x^2 - 5 f(x) x + f(x) + 14 x - 11)$$

Sequence: A199209
Score: 7.32282
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 4 a(n), a(0) = 11, a(1) = 41\}$$

Sequence: A199210
Score: 14.0749
Type of gen. func.: ogf

$$-\frac{5 x - 4}{(4 x - 1) (x - 1)}$$

Sequence: A199210
Score: 15.9186
Type of gen. func.: lgdogf

$$-\frac{20 x^2 - 32 x + 15}{(x - 1) (5 x - 4) (4 x - 1)}$$

Sequence: A199210
Score: 6.96011
Type of gen. func.: ogf

$$-(43 f(x) + 53) (4 f(x) x^2 - 5 f(x) x + f(x) + 5 x - 4)$$

Sequence: A199210
Score: 7.63095
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 4 a(n), a(0) = 4, a(1) = 15\}$$

Sequence: A199211
Score: 13.0876
Type of gen. func.: ogf

$$-\frac{3\,(5\,x-4)}{(4\,x-1)\,(x-1)}$$

Sequence: A199211
Score: 15.4552
Type of gen. func.: lgdogf

$$-\frac{20\,x^{2}-32\,x+15}{(x-1)\,(5\,x-4)\,(4\,x-1)}$$

Sequence: A199211
Score: 6.5438
Type of gen. func.: ogf

$$-(43\,f(x)+159)\,(4\,f(x)\,x^{2}-5\,f(x)\,x+f(x)+15\,x-12)$$

Sequence: A199211
Score: 7.32282
Type of gen. func.: ogf

$$\{a(n+2)-5\,a(n+1)+4\,a(n),\ a(0)=12,\ a(1)=45\}$$

Sequence: A199212
Score: 14.0127
Type of gen. func.: ogf

$$-\frac{7\,x-3}{(5\,x-1)\,(x-1)}$$

Sequence: A199212
Score: 15.8515
Type of gen. func.: lgdogf

$$35\,x^{2}-30\,x+11$$

$$- \frac{}{(x - 1) (7 x - 3) (5 x - 1)}$$

Sequence: A199212
Score: 6.92937
Type of gen. func.: ogf

$$-(36 f(x) + 13) (5 f(x) x^2 - 6 f(x) x + f(x) + 7 x - 3)$$

Sequence: A199212
Score: 7.59725
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 5 a(n), a(0) = 3, a(1) = 11\}$$

Sequence: A199213
Score: 13.8066
Type of gen. func.: ogf

$$- \frac{2 (2 x - 1)}{(5 x - 1) (x - 1)}$$

Sequence: A199213
Score: 16.0246
Type of gen. func.: lgdogf

$$- \frac{2 (5 x^2 - 5 x + 2)}{(x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A199213
Score: 6.75326
Type of gen. func.: ogf

$$-(281 f(x) - 50) (5 f(x) x^2 - 6 f(x) x + f(x) + 4 x - 2)$$

Sequence: A199213
Score: 7.57682

Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 5 a(n), a(0) = 2, a(1) = 8\}$$

Sequence: A199214
Score: 14.2875
Type of gen. func.: ogf

$$-\frac{4 (2 x - 1)}{(5 x - 1) (x - 1)}$$

Sequence: A199214
Score: 16.5940
Type of gen. func.: lgdogf

$$-\frac{2 (5 x^2 - 5 x + 2)}{(x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A199214
Score: 6.9133
Type of gen. func.: ogf

$$-(281 f(x) - 100) (5 f(x) x^2 - 6 f(x) x + f(x) + 8 x - 4)$$

Sequence: A199214
Score: 7.74622
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 5 a(n), a(0) = 4, a(1) = 16\}$$

Sequence: A199215
Score: 14.4935
Type of gen. func.: ogf

$$-\frac{9 x - 5}{(5 x - 1) (x - 1)}$$

Sequence: A199215
Score: 16.4063
Type of gen. func.: lgdogf

$$-\frac{45 x^2 - 50 x + 21}{(x - 1) (9 x - 5) (5 x - 1)}$$

Sequence: A199215
Score: 7.16714
Type of gen. func.: ogf

$$-(76 f(x) + 61) (5 f(x) x^2 - 6 f(x) x + f(x) + 9 x - 5)$$

Sequence: A199215
Score: 7.85794
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 5 a(n), a(0) = 5, a(1) = 21\}$$

Sequence: A199216
Score: 14.3801
Type of gen. func.: ogf

$$-\frac{11 x - 7}{(5 x - 1) (x - 1)}$$

Sequence: A199216
Score: 16.2280
Type of gen. func.: lgdogf

$$-\frac{55 x^2 - 70 x + 31}{(x - 1) (5 x - 1) (11 x - 7)}$$

Sequence: A199216
Score: 7.03705
Type of gen. func.: ogf

2

$$-(116 f(x) + 149) (5 f(x) x - 6 f(x) x + f(x) + 11 x - 7)$$

Sequence: A199216
Score: 7.96967
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 5 a(n), a(0) = 7, a(1) = 31\}$$

Sequence: A199247
Score: 27.3084
Type of gen. func.: revogf

$$-\frac{x (x^2 + x + 1) (x^2 + x - 1)}{x + 1}$$

Sequence: A199248
Score: 25.6902
Type of gen. func.: revogf

$$\frac{x (x - 1)^2}{(x^2 - x + 1) (x^4 - x^2 + 1)}$$

Sequence: A199257
Score: 26.0840
Type of gen. func.: revogf

$$\frac{x (x - 1)^2}{(x^2 - x + 1) (x^2 + 1)^2}$$

Sequence: A199264
Score: 6.50964
Type of gen. func.: ogf

$$-\frac{8 x^9 - x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x + 9}{(x - 1) (x + 1) (x^2 - x + 1) (x^6 - x^3 + 1)}$$

Sequence: A199299
Score: 11.7151
Type of gen. func.: ogf

$$\frac{6 x + 1}{(6 x - 1)^{2}}$$

Sequence: A199299
Score: 19.9568
Type of gen. func.: lgdogf

$$- \frac{18 (2 x + 1)}{(6 x - 1) (6 x + 1)}$$

Sequence: A199299
Score: 6.47776
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 36 a(n), a(0) = 1, a(1) = 18\}$$

Sequence: A199299
Score: 8.43959
Type of gen. func.: ogf

$$(16 f(x) + 65) (36 f(x) x^{2} - 12 f(x) x + f(x) - 6 x - 1)$$

Sequence: A199300
Score: 11.1476
Type of gen. func.: ogf

$$-49 f(x) x^{2} + 14 f(x) x - f(x) + 7 x + 1$$

Sequence: A199300
Score: 12.4669
Type of gen. func.: ogf

$$\frac{7x+1}{(7x-1)^2}$$

Sequence: A199300
Score: 22.0833
Type of gen. func.: lgdogf

$$-\frac{7(3+7x)}{(7x-1)(7x+1)}$$

Sequence: A199300
Score: 6.89346
Type of gen. func.: ogf

$$\{-a(n+2)+14a(n+1)-49a(n), a(0)=1, a(1)=21\}$$

Sequence: A199301
Score: 14.5962
Type of gen. func.: ogf

$$\frac{8x+1}{(8x-1)^2}$$

Sequence: A199301
Score: 23.2158
Type of gen. func.: lgdogf

$$-\frac{8(3+8x)}{(8x-1)(8x+1)}$$

Sequence: A199301
Score: 7.70812
Type of gen. func.: ogf

$$(16f(x)+65)(64f(x)x^2-16f(x)x+f(x)-8x-1)$$

Sequence: A199301
Score: 8.07085
Type of gen. func.: ogf

$$\{-a(n+2) + 16\,a(n+1) - 64\,a(n),\ a(0) = 1,\ a(1) = 24\}$$

Sequence: A199308
Score: 13.9440
Type of gen. func.: ogf

$$-\frac{3x - 2}{(5x - 1)(x - 1)}$$

Sequence: A199308
Score: 16.1873
Type of gen. func.: lgdogf

$$-\frac{15x^2 - 20x + 9}{(x - 1)(3x - 2)(5x - 1)}$$

Sequence: A199308
Score: 6.8954
Type of gen. func.: ogf

$$-(34 f(x) + 13)(5 f(x) x^2 - 6 f(x) x + f(x) + 3x - 2)$$

Sequence: A199308
Score: 7.65221
Type of gen. func.: ogf

$$\{a(n+2) - 6\,a(n+1) + 5\,a(n),\ a(0) = 2,\ a(1) = 9\}$$

Sequence: A199309
Score: 14.4248
Type of gen. func.: ogf

$$-\frac{2(3x - 2)}{(5x - 1)(x - 1)}$$

Sequence: A199309
Score: 16.7567
Type of gen. func.: lgdogf

$$-\frac{15 x^2 - 20 x + 9}{(x - 1) (3 x - 2) (5 x - 1)}$$

Sequence: A199309
Score: 7.13317
Type of gen. func.: ogf

$$-(17 f(x) + 13) (5 f(x) x^2 - 6 f(x) x + f(x) + 6 x - 4)$$

Sequence: A199309
Score: 7.82070
Type of gen. func.: ogf

{a(n + 2) - 6 a(n + 1) + 5 a(n), a(0) = 4, a(1) = 18}

Sequence: A199310
Score: 13.1708
Type of gen. func.: ogf

$$-\frac{4 (3 x - 2)}{(5 x - 1) (x - 1)}$$

Sequence: A199310
Score: 15.6232
Type of gen. func.: lgdogf

$$-\frac{15 x^2 - 20 x + 9}{(x - 1) (3 x - 2) (5 x - 1)}$$

Sequence: A199310
Score: 6.58543

Type of gen. func.: ogf

$$-(17 f(x) + 26) (5 f(x) x^2 - 6 f(x) x + f(x) + 12 x - 8)$$

Sequence: A199310
Score: 7.29951
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 5 a(n), a(0) = 8, a(1) = 36\}$$

Sequence: A199311
Score: 13.2370
Type of gen. func.: ogf

$$-\frac{13 x - 9}{(5 x - 1) (x - 1)}$$

Sequence: A199311
Score: 14.9181
Type of gen. func.: lgdogf

$$-\frac{65 x^2 - 90 x + 41}{(x - 1) (5 x - 1) (13 x - 9)}$$

Sequence: A199311
Score: 6.47771
Type of gen. func.: ogf

$$-(156 f(x) + 277) (5 f(x) x^2 - 6 f(x) x + f(x) + 13 x - 9)$$

Sequence: A199311
Score: 7.33619
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 5 a(n), a(0) = 9, a(1) = 41\}$$

Sequence: A199312
Score: 14.5622
Type of gen. func.: ogf

$$-\frac{7 x - 5}{(5 x - 1) (x - 1)}$$

Sequence: A199312
Score: 16.4855
Type of gen. func.: lgdogf

$$-\frac{35 x^2 - 50 x + 23}{(x - 1) (7 x - 5) (5 x - 1)}$$

Sequence: A199312
Score: 7.20111
Type of gen. func.: ogf

$$-(88 f(x) + 89) (5 f(x) x^2 - 6 f(x) x + f(x) + 7 x - 5)$$

Sequence: A199312
Score: 7.89518
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 5 a(n), a(0) = 5, a(1) = 23\}$$

Sequence: A199313
Score: 13.0850
Type of gen. func.: ogf

$$-\frac{2 (7 x - 5)}{(5 x - 1) (x - 1)}$$

Sequence: A199313
Score: 15.4568
Type of gen. func.: lgdogf

$$35 x^2 - 50 x + 23$$
$$- \text{---------------------------}$$

$$(x - 1) (7 x - 5) (5 x - 1)$$

Sequence: A199313
Score: 6.61283
Type of gen. func.: ogf

$$-(44 f(x) + 89) (5 f(x) x^2 - 6 f(x) x + f(x) + 14 x - 10)$$

Sequence: A199313
Score: 7.32135
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 5 a(n), a(0) = 10, a(1) = 46\}$$

Sequence: A199314
Score: 14.2875
Type of gen. func.: ogf

$$-\frac{4 x - 3}{(5 x - 1) (x - 1)}$$

Sequence: A199314
Score: 15.7643
Type of gen. func.: lgdogf

$$-\frac{2 (10 x^2 - 15 x + 7)}{(x - 1) (4 x - 3) (5 x - 1)}$$

Sequence: A199314
Score: 7.06524
Type of gen. func.: ogf

$$-(27 f(x) + 17) (5 f(x) x^2 - 6 f(x) x + f(x) + 4 x - 3)$$

Sequence: A199314
Score: 7.74622
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 5 a(n), a(0) = 3, a(1) = 14\}$$

Sequence: A199315
Score: 14.6996
Type of gen. func.: ogf

$$-\frac{2 (4 x - 3)}{(5 x - 1) (x - 1)}$$

Sequence: A199315
Score: 16.2280
Type of gen. func.: lgdogf

$$-\frac{2 (10 x^2 - 15 x + 7)}{(x - 1) (4 x - 3) (5 x - 1)}$$

Sequence: A199315
Score: 7.26904
Type of gen. func.: ogf

$$-(27 f(x) + 34) (5 f(x) x^2 - 6 f(x) x + f(x) + 8 x - 6)$$

Sequence: A199315
Score: 7.96967
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 5 a(n), a(0) = 6, a(1) = 28\}$$

Sequence: A199316
Score: 13.2145
Type of gen. func.: ogf

$$-\frac{4 (4 x - 3)}{(5 x - 1) (x - 1)}$$

Sequence: A199316
Score: 15.2226
Type of gen. func.: lgdogf

$$-\frac{2 (10 x^2 - 15 x + 7)}{(x - 1) (4 x - 3) (5 x - 1)}$$

Sequence: A199316
Score: 6.27356
Type of gen. func.: ogf

$$-(11343 f(x) + 17548) (5 f(x) x^2 - 6 f(x) x + f(x) + 16 x - 12)$$

Sequence: A199316
Score: 7.39383
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 5 a(n), a(0) = 12, a(1) = 56\}$$

Sequence: A199317
Score: 15.2491
Type of gen. func.: ogf

$$-\frac{8 x - 3}{(6 x - 1) (x - 1)}$$

Sequence: A199317
Score: 17.2781
Type of gen. func.: lgdogf

$$-\frac{48 x^2 - 36 x + 13}{(x - 1) (6 x - 1) (8 x - 3)}$$

Sequence: A199317
Score: 7.62457
Type of gen. func.: ogf

$$-(55 f(x) + 4) (6 f(x) x^2 - 7 f(x) x + f(x) + 8 x - 3)$$

Sequence: A199317
Score: 8.26760
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) + 6 a(n), a(0) = 3, a(1) = 13\}$$

Sequence: A199318
Score: 14.1401
Type of gen. func.: ogf

$$-\frac{9 x - 4}{(6 x - 1) (x - 1)}$$

Sequence: A199318
Score: 16.0032
Type of gen. func.: lgdogf

$$-\frac{54 x^2 - 48 x + 19}{(x - 1) (6 x - 1) (9 x - 4)}$$

Sequence: A199318
Score: 6.99236
Type of gen. func.: ogf

$$-(85 f(x) + 21) (6 f(x) x^2 - 7 f(x) x + f(x) + 9 x - 4)$$

Sequence: A199318
Score: 7.66633
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) + 6 a(n), a(0) = 4, a(1) = 19\}$$

Sequence: A199319
Score: 13.9651
Type of gen. func.: ogf

$$-\frac{5(2x-1)}{(6x-1)(x-1)}$$

Sequence: A199319
Score: 16.5846
Type of gen. func.: lgdogf

$$-\frac{12x^2-12x+5}{(x-1)(6x-1)(2x-1)}$$

Sequence: A199319
Score: 6.83398
Type of gen. func.: ogf

$$-(691 f(x) - 330) (6 f(x) x^2 - 7 f(x) x + f(x) + 10 x - 5)$$

Sequence: A199319
Score: 7.73969
Type of gen. func.: ogf

$$\{a(n+2) - 7 a(n+1) + 6 a(n), a(0) = 5, a(1) = 25\}$$

Sequence: A199320
Score: 14.0975
Type of gen. func.: ogf

$$-\frac{11x-6}{(6x-1)(x-1)}$$

Sequence: A199320
Score: 15.9076
Type of gen. func.: lgdogf

$$-\frac{66x^2-72x+31}{(x-1)(6x-1)(11x-6)}$$

Sequence: A199320
Score: 6.97294
Type of gen. func.: ogf

$$-(145 f(x) + 91) (6 f(x) x^2 - 7 f(x) x + f(x) + 11 x - 6)$$

Sequence: A199320
Score: 7.81305
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) + 6 a(n), a(0) = 6, a(1) = 31\}$$

Sequence: A199321
Score: 14.2298
Type of gen. func.: ogf

$$-\frac{13 x - 8}{(6 x - 1) (x - 1)}$$

Sequence: A199321
Score: 16.0598
Type of gen. func.: lgdogf

$$-\frac{78 x^2 - 96 x + 43}{(x - 1) (6 x - 1) (13 x - 8)}$$

Sequence: A199321
Score: 6.96354
Type of gen. func.: ogf

$$-(205 f(x) + 209) (6 f(x) x^2 - 7 f(x) x + f(x) + 13 x - 8)$$

Sequence: A199321
Score: 7.88641
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) + 6 a(n), a(0) = 8, a(1) = 43\}$$

Sequence: A199336
Score: 11.0428
Type of gen. func.: lgdogf

$$-\frac{x^6 + 6x^5 - x^4 - 4x^3 + 21x^2 + 10x + 3}{(x - 1)(x^2 + 4x + 1)(x^4 - 8x^2 + 1)}$$

Sequence: A199336
Score: 11.7596
Type of gen. func.: ogf

$$-\frac{(x - 1)(x^2 + 4x + 1)}{x^4 - 8x^2 + 1}$$

Sequence: A199336
Score: 7.42113
Type of gen. func.: ogf

$$(98 f(x) - 43)(f(x) x^4 - 8 f(x) x^2 + x^3 + 3x^2 + f(x) - 3x - 1)$$

Sequence: A199338
Score: 11.3892
Type of gen. func.: ogf

$$\frac{(x + 1)(x^2 + 10x + 1)}{x^4 - 8x^2 + 1}$$

Sequence: A199338
Score: 6.75287
Type of gen. func.: ogf

$$-(4410 f(x) + 2663)(f(x) x^4 - 8 f(x) x^2 - x^3 - 11x^2 + f(x) - 11x - 1)$$

Sequence: A199338
Score: 9.99660
Type of gen. func.: lgdogf

$$-\frac{x^6 + 22 x^5 + 41 x^4 + 4 x^3 - 91 x^2 - 38 x - 11}{(x + 1) (x^2 + 10 x + 1) (x^4 - 8 x^2 + 1)}$$

Sequence: A199344
Score: 6.35593
Type of gen. func.: ogf

$$-\frac{9 x^{10} - 10 x^9 - x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 1}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A199394
Score: 4.15409
Type of gen. func.: ogf

$$\{(10 n^2 + 61 n + 93) a(n + 1) + (-24 n^2 - 180 n - 534) a(n + 2)$$

$$+ (14 n^2 + 103 n + 183) a(n + 3), a(0) = 11, a(1) = 90, a(2) = 357\}$$

Sequence: A199394
Score: 8.81590
Type of gen. func.: ogf

$$-\frac{x^3 + 17 x^2 + 35 x + 11}{(x - 1)^5}$$

Sequence: A199398
Score: 13.2994
Type of gen. func.: lgdogf

$$-\frac{2 (x^7 - 3 x^6 + 13 x^5 + 3 x^4 + 11 x^3 - x^2 + 7 x + 1)}{(x - 1) (x + 1) (x^2 + 1) (x^4 - 2 x^3 + 6 x^2 + 2 x + 1)}$$

Sequence: A199398
Score: 13.3805
Type of gen. func.: ogf

$$\frac{x^4 - 2x^3 + 6x^2 + 2x + 1}{(x^2 + 1)(x - 1)^2 (x + 1)^2}$$

Sequence: A199402
Score: 11.6523
Type of gen. func.: ogf

$$\frac{3(2x^3 - x^2 + 1)}{(x - 1)(2x + 1)(2x - 1)(x + 1)(x^2 + 1)}$$

Sequence: A199402
Score: 8.01445
Type of gen. func.: lgdogf

$$-\frac{2x(12x^7 - 8x^6 - x^5 + 13x^4 + 4x^3 - 2x^2 - 3x - 3)}{(x - 1)(2x + 1)(2x - 1)(x + 1)(x^2 + 1)(2x^3 - x^2 + 1)}$$

Sequence: A199403
Score: 10.1772
Type of gen. func.: lgdogf

$$-\frac{2x(9x^5 - 11x^4 + 8x^3 - 2x^2 + 3x - 3)}{(x - 1)(2x - 1)(x + 1)(x^2 + 1)(3x^2 - 2x + 1)}$$

Sequence: A199403
Score: 13.5220
Type of gen. func.: ogf

2

$$\frac{3 x - 2 x + 1}{(x - 1) (2 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A199404
Score: 11.1359
Type of gen. func.: ogf

$$- \frac{(x - 1) (x^2 + 5 x + 1)}{(x^2 + 3 x - 1) (x^2 - 3 x - 1)}$$

Sequence: A199404
Score: 6.80529
Type of gen. func.: ogf

$$(6480 f(x) - 2809) (f(x) x^4 - 11 f(x) x^2 + x^3 + 4 x^2 + f(x) - 4 x - 1)$$

Sequence: A199404
Score: 9.25370
Type of gen. func.: lgdogf

$$- \frac{x^6 + 8 x^5 - x^4 - 4 x^3 + 41 x^2 + 14 x + 4}{(x - 1) (x^2 + 5 x + 1) (x^2 + 3 x - 1) (x^2 - 3 x - 1)}$$

Sequence: A199405
Score: 10.7326
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 13 x + 1)}{(x^2 + 3 x - 1) (x^2 - 3 x - 1)}$$

Sequence: A199405
Score: 6.51619
Type of gen. func.: ogf

$$(84240 f(x) + 54403) (f(x) x^4 - 11 f(x) x^2 - x^3 - 14 x^2 + f(x) - 14 x - 1)$$

Sequence: A199405
Score: 8.33467
Type of gen. func.: lgdogf

$$-\frac{x^6 + 28 x^5 + 53 x^4 + 4 x^3 - 157 x^2 - 50 x - 14}{(x + 1) (x^2 + 13 x + 1) (x^2 + 3 x - 1) (x^2 - 3 x - 1)}$$

Sequence: A199411
Score: 14.3622
Type of gen. func.: ogf

$$-\frac{14 x - 9}{(6 x - 1) (x - 1)}$$

Sequence: A199411
Score: 15.8167
Type of gen. func.: lgdogf

$$-\frac{84 x^2 - 108 x + 49}{(x - 1) (6 x - 1) (14 x - 9)}$$

Sequence: A199411
Score: 7.02831
Type of gen. func.: ogf

$$-(235 f(x) + 286) (6 f(x) x^2 - 7 f(x) x + f(x) + 14 x - 9)$$

Sequence: A199411
Score: 7.95977
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) + 6 a(n), a(0) = 9, a(1) = 49\}$$

Sequence: A199412
Score: 15.2491
Type of gen. func.: ogf

$$-\frac{3x-2}{(6x-1)(x-1)}$$

Sequence: A199412
Score: 17.2781
Type of gen. func.: lgdogf

$$-\frac{18x^2-24x+11}{(x-1)(6x-1)(3x-2)}$$

Sequence: A199412
Score: 7.54078
Type of gen. func.: ogf

$$-(53 f(x)+15)(6 f(x) x^2-7 f(x) x+f(x)+3x-2)$$

Sequence: A199412
Score: 8.26760
Type of gen. func.: ogf

$$\{a(n+2)-7a(n+1)+6a(n),\ a(0)=2,\ a(1)=11\}$$

Sequence: A199413
Score: 14.1214
Type of gen. func.: ogf

$$-\frac{5(3x-2)}{(6x-1)(x-1)}$$

Sequence: A199413
Score: 16.7058
Type of gen. func.: lgdogf

$$18x^2-24x+11$$

$$-\frac{\qquad}{(x - 1) (6 x - 1) (3 x - 2)}$$

Sequence: A199413
Score: 7.13662
Type of gen. func.: ogf

$$-(53 f(x) + 75) (6 f(x) x^2 - 7 f(x) x + f(x) + 15 x - 10)$$

Sequence: A199413
Score: 7.90125
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) + 6 a(n), a(0) = 10, a(1) = 55\}$$

Sequence: A199414
Score: 14.2509
Type of gen. func.: ogf

$$-\frac{16 x - 11}{(6 x - 1) (x - 1)}$$

Sequence: A199414
Score: 15.6575
Type of gen. func.: lgdogf

$$-\frac{96 x^2 - 132 x + 61}{(16 x - 11) (x - 1) (6 x - 1)}$$

Sequence: A199414
Score: 7.05047
Type of gen. func.: ogf

$$-(295 f(x) + 476) (6 f(x) x^2 - 7 f(x) x + f(x) + 16 x - 11)$$

Sequence: A199414
Score: 7.97374

Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) + 6 a(n), a(0) = 11, a(1) = 61\}$$

Sequence: A199415
Score: 14.2509
Type of gen. func.: ogf

$$-\frac{17 x - 12}{(6 x - 1) (x - 1)}$$

Sequence: A199415
Score: 15.2934
Type of gen. func.: lgdogf

$$-\frac{102 x^2 - 144 x + 67}{(x - 1) (6 x - 1) (17 x - 12)}$$

Sequence: A199415
Score: 7.05047
Type of gen. func.: ogf

$$-(325 f(x) + 589) (6 f(x) x^2 - 7 f(x) x + f(x) + 17 x - 12)$$

Sequence: A199415
Score: 7.97374
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) + 6 a(n), a(0) = 12, a(1) = 67\}$$

Sequence: A199416
Score: 13.2478
Type of gen. func.: ogf

$$-\frac{3 (3 x - 1)}{(7 x - 1) (x - 1)}$$

Sequence: A199416
Score: 15.3728
Type of gen. func.: lgdogf

$$-\frac{21 x^2 - 14 x + 5}{(x - 1) (3 x - 1) (7 x - 1)}$$

Sequence: A199416
Score: 6.41022
Type of gen. func.: ogf

$$-(914 f(x) - 867) (7 f(x) x^2 - 8 f(x) x + f(x) + 9 x - 3)$$

Sequence: A199416
Score: 7.18253
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 7 a(n), a(0) = 3, a(1) = 15\}$$

Sequence: A199417
Score: 13.1812
Type of gen. func.: ogf

$$-\frac{5 x - 2}{(7 x - 1) (x - 1)}$$

Sequence: A199417
Score: 14.9018
Type of gen. func.: lgdogf

$$-\frac{35 x^2 - 28 x + 11}{(x - 1) (5 x - 2) (7 x - 1)}$$

Sequence: A199417
Score: 6.59061
Type of gen. func.: ogf

2

$$-(60 f(x) + 1) (7 f(x) x - 8 f(x) x + f(x) + 5 x - 2)$$

Sequence: A199417
Score: 7.14645
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 7 a(n), a(0) = 2, a(1) = 11\}$$

Sequence: A199418
Score: 13.2203
Type of gen. func.: ogf

$$-\frac{2 (5 x - 2)}{(7 x - 1) (x - 1)}$$

Sequence: A199418
Score: 15.2859
Type of gen. func.: lgdogf

$$-\frac{35 x^2 - 28 x + 11}{(x - 1) (5 x - 2) (7 x - 1)}$$

Sequence: A199418
Score: 6.68279
Type of gen. func.: ogf

$$-(30 f(x) + 1) (7 f(x) x^2 - 8 f(x) x + f(x) + 10 x - 4)$$

Sequence: A199418
Score: 7.32690
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 7 a(n), a(0) = 4, a(1) = 22\}$$

Sequence: A199419
Score: 13.3505
Type of gen. func.: ogf

$$-\frac{11 x - 5}{(7 x - 1) (x - 1)}$$

Sequence: A199419
Score: 15.0535
Type of gen. func.: lgdogf

$$-\frac{77 x^2 - 70 x + 29}{(11 x - 5) (x - 1) (7 x - 1)}$$

Sequence: A199419
Score: 6.6035
Type of gen. func.: ogf

$$-(162 f(x) + 31) (7 f(x) x^2 - 8 f(x) x + f(x) + 11 x - 5)$$

Sequence: A199419
Score: 7.39910
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 7 a(n), a(0) = 5, a(1) = 29\}$$

Sequence: A199420
Score: 13.1812
Type of gen. func.: ogf

$$-\frac{2 (2 x - 1)}{(7 x - 1) (x - 1)}$$

Sequence: A199420
Score: 15.2940
Type of gen. func.: lgdogf

$$-\frac{2 (7 x^2 - 7 x + 3)}{(x - 1) (2 x - 1) (7 x - 1)}$$

Sequence: A199420
Score: 6.31016
Type of gen. func.: ogf

$$-(1429 f(x) - 266) (7 f(x) x^2 - 8 f(x) x + f(x) + 4 x - 2)$$

Sequence: A199420
Score: 7.14645
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 7 a(n), a(0) = 2, a(1) = 12\}$$

Sequence: A199421
Score: 13.4475
Type of gen. func.: ogf

$$-\frac{3 (2 x - 1)}{(7 x - 1) (x - 1)}$$

Sequence: A199421
Score: 15.6093
Type of gen. func.: lgdogf

$$-\frac{2 (7 x^2 - 7 x + 3)}{(x - 1) (2 x - 1) (7 x - 1)}$$

Sequence: A199421
Score: 6.43764
Type of gen. func.: ogf

$$-(1429 f(x) - 399) (7 f(x) x^2 - 8 f(x) x + f(x) + 6 x - 3)$$

Sequence: A199421
Score: 7.29081
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 7 a(n), a(0) = 3, a(1) = 18\}$$

Sequence: A199422
Score: 13.4808
Type of gen. func.: ogf

$$-\frac{6\,(2\,x-1)}{(7\,x-1)\,(x-1)}$$

Sequence: A199422
Score: 16.0035
Type of gen. func.: lgdogf

$$-\frac{2\,(7\,x^{2}-7\,x+3)}{(x-1)\,(2\,x-1)\,(7\,x-1)}$$

Sequence: A199422
Score: 6.52754
Type of gen. func.: ogf

$$-(1429\,f(x)-798)\,(7\,f(x)\,x^{2}-8\,f(x)\,x+f(x)+12\,x-6)$$

Sequence: A199422
Score: 7.47128
Type of gen. func.: ogf

$$\{a(n+2)-8\,a(n+1)+7\,a(n),\ a(0)=6,\ a(1)=36\}$$

Sequence: A199475
Score: 16.6254
Type of gen. func.: revogf

$$\frac{(1+x^{2}+(x^{4}-2\,x^{2}-4\,x+1)^{1/2})\,x}{2\,(x+1)}$$

Sequence: A199475
Score: 9.4472
Type of gen. func.: ogf

$$-f(x)^3 x^2 + f(x)^3 x + f(x) x - f(x) + 1$$

Sequence: A199483
Score: 13.6110
Type of gen. func.: ogf

$$-\frac{13 x - 7}{(7 x - 1) (x - 1)}$$

Sequence: A199483
Score: 15.3531
Type of gen. func.: lgdogf

$$-\frac{91 x^2 - 98 x + 43}{(x - 1) (7 x - 1) (13 x - 7)}$$

Sequence: A199483
Score: 6.66072
Type of gen. func.: ogf

$$-(246 f(x) + 127) (7 f(x) x^2 - 8 f(x) x + f(x) + 13 x - 7)$$

Sequence: A199483
Score: 7.54347
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 7 a(n), a(0) = 7, a(1) = 43\}$$

Sequence: A199484
Score: 13.4475
Type of gen. func.: ogf

$$-\frac{5 x - 3}{(7 x - 1) (x - 1)}$$

Sequence: A199484
Score: 15.2091
Type of gen. func.: lgdogf

$$-\frac{35 x^2 - 42 x + 19}{(x - 1) (5 x - 3) (7 x - 1)}$$

Sequence: A199484
Score: 6.57759
Type of gen. func.: ogf

$$-(110 f(x) + 31) (7 f(x) x^2 - 8 f(x) x + f(x) + 5 x - 3)$$

Sequence: A199484
Score: 7.29081
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 7 a(n), a(0) = 3, a(1) = 19\}$$

Sequence: A199485
Score: 13.7413
Type of gen. func.: ogf

$$-\frac{3 (5 x - 3)}{(7 x - 1) (x - 1)}$$

Sequence: A199485
Score: 15.9004
Type of gen. func.: lgdogf

$$-\frac{35 x^2 - 42 x + 19}{(x - 1) (5 x - 3) (7 x - 1)}$$

Sequence: A199485
Score: 6.79677
Type of gen. func.: ogf

2

$$-(110 f(x) + 93) (7 f(x) x - 8 f(x) x + f(x) + 15 x - 9)$$

Sequence: A199485
Score: 7.61565
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 7 a(n), a(0) = 9, a(1) = 57\}$$

Sequence: A199486
Score: 13.7804
Type of gen. func.: ogf

$$-\frac{8 x - 5}{(7 x - 1) (x - 1)}$$

Sequence: A199486
Score: 14.8325
Type of gen. func.: lgdogf

$$-\frac{2 (28 x^2 - 35 x + 16)}{(8 x - 5) (x - 1) (7 x - 1)}$$

Sequence: A199486
Score: 6.81447
Type of gen. func.: ogf

$$-(93 f(x) + 47) (7 f(x) x^2 - 8 f(x) x + f(x) + 8 x - 5)$$

Sequence: A199486
Score: 7.47128
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 7 a(n), a(0) = 5, a(1) = 32\}$$

Sequence: A199487
Score: 13.6401
Type of gen. func.: ogf

$$-\frac{2 (8 x - 5)}{(7 x - 1) (x - 1)}$$

Sequence: A199487
Score: 15.3440
Type of gen. func.: lgdogf

$$-\frac{2 (28 x^2 - 35 x + 16)}{(8 x - 5) (x - 1) (7 x - 1)}$$

Sequence: A199487
Score: 6.89341
Type of gen. func.: ogf

$$-(93 f(x) + 94) (7 f(x) x^2 - 8 f(x) x + f(x) + 16 x - 10)$$

Sequence: A199487
Score: 7.63198
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 7 a(n), a(0) = 10, a(1) = 64\}$$

Sequence: A199488
Score: 13.6401
Type of gen. func.: ogf

$$-\frac{17 x - 11}{(7 x - 1) (x - 1)}$$

Sequence: A199488
Score: 14.6303
Type of gen. func.: lgdogf

$$-\frac{119 x^2 - 154 x + 71}{(17 x - 11) (x - 1) (7 x - 1)}$$

Sequence: A199488
Score: 6.74828
Type of gen. func.: ogf

$$-(414 f(x) + 487) (7 f(x) x^2 - 8 f(x) x + f(x) + 17 x - 11)$$

Sequence: A199488
Score: 7.63198
Type of gen. func.: ogf

{a(n + 2) - 8 a(n + 1) + 7 a(n), a(0) = 11, a(1) = 71}

Sequence: A199489
Score: 13.2478
Type of gen. func.: ogf

$$-\frac{3 x - 2}{(7 x - 1) (x - 1)}$$

Sequence: A199489
Score: 14.9787
Type of gen. func.: lgdogf

$$-\frac{21 x^2 - 28 x + 13}{(x - 1) (7 x - 1) (3 x - 2)}$$

Sequence: A199489
Score: 6.55111
Type of gen. func.: ogf

$$-(76 f(x) + 17) (7 f(x) x^2 - 8 f(x) x + f(x) + 3 x - 2)$$

Sequence: A199489
Score: 7.18253
Type of gen. func.: ogf

{a(n + 2) - 8 a(n + 1) + 7 a(n), a(0) = 2, a(1) = 13}

Sequence: A199490
Score: 13.6472
Type of gen. func.: ogf

$$-\frac{2(3x-2)}{(7x-1)(x-1)}$$

Sequence: A199490
Score: 15.4395
Type of gen. func.: lgdogf

$$-\frac{21x^2-28x+13}{(x-1)(7x-1)(3x-2)}$$

Sequence: A199490
Score: 6.74863
Type of gen. func.: ogf

$$-(38 f(x) + 17) (7 f(x) x^2 - 8 f(x) x + f(x) + 6 x - 4)$$

Sequence: A199490
Score: 7.39910
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 7 a(n), a(0) = 4, a(1) = 26\}$$

Sequence: A199491
Score: 13.8469
Type of gen. func.: ogf

$$-\frac{3(3x-2)}{(7x-1)(x-1)}$$

Sequence: A199491
Score: 15.6700
Type of gen. func.: lgdogf

$$-\frac{21 x^2 - 28 x + 13}{(x - 1) (7 x - 1) (3 x - 2)}$$

Sequence: A199491
Score: 6.84739
Type of gen. func.: ogf

$$-(76 f(x) + 51) (7 f(x) x^2 - 8 f(x) x + f(x) + 9 x - 6)$$

Sequence: A199491
Score: 7.50737
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 7 a(n), a(0) = 6, a(1) = 39\}$$

Sequence: A199492
Score: 12.2789
Type of gen. func.: ogf

$$-\frac{6 (3 x - 2)}{(7 x - 1) (x - 1)}$$

Sequence: A199492
Score: 14.4957
Type of gen. func.: lgdogf

$$-\frac{21 x^2 - 28 x + 13}{(x - 1) (7 x - 1) (3 x - 2)}$$

Sequence: A199492
Score: 6.20548
Type of gen. func.: ogf

$$-(38 f(x) + 51) (7 f(x) x^2 - 8 f(x) x + f(x) + 18 x - 12)$$

Sequence: A199492
Score: 6.87036
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 7 a(n), a(0) = 12, a(1) = 78\}$$

Sequence: A199493
Score: 12.2898
Type of gen. func.: ogf

$$-\frac{10 x - 3}{(8 x - 1) (x - 1)}$$

Sequence: A199493
Score: 13.8389
Type of gen. func.: lgdogf

$$-\frac{80 x^2 - 48 x + 17}{(x - 1) (8 x - 1) (10 x - 3)}$$

Sequence: A199493
Score: 6.07884
Type of gen. func.: ogf

$$-(105 f(x) - 26) (8 f(x) x^2 - 9 f(x) x + f(x) + 10 x - 3)$$

Sequence: A199493
Score: 6.81123
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) + 8 a(n), a(0) = 3, a(1) = 17\}$$

Sequence: A199494
Score: 12.4819
Type of gen. func.: ogf

$$-\frac{11 x - 4}{(8 x - 1) (x - 1)}$$

Sequence: A199494
Score: 14.0597
Type of gen. func.: lgdogf

$$-\frac{88 x^2 - 64 x + 25}{(x - 1) (8 x - 1) (11 x - 4)}$$

Sequence: A199494
Score: 6.17382
Type of gen. func.: ogf

$$-(161 f(x) - 19) (8 f(x) x^2 - 9 f(x) x + f(x) + 11 x - 4)$$

Sequence: A199494
Score: 6.91766
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) + 8 a(n), a(0) = 4, a(1) = 25\}$$

Sequence: A199531
Score: 10.6496
Type of gen. func.: ogf

$$-\frac{4 (x^2 - 6 x - 3)}{(x - 1)^4}$$

Sequence: A199531
Score: 23.1809
Type of gen. func.: lgdogf

$$-\frac{2 (x + 1) (x - 9)}{(x - 1) (x^2 - 6 x - 3)}$$

Sequence: A199531

Score: 3.70649
Type of gen. func.: ogf

$$\{(-3 n - 12) a(n + 4) + (9 - 3 n) a(n + 3) + (30 + 7 n) a(n + 2)$$

$$+ (-3 - n) a(n + 1), a(0) = 12, a(1) = 72, a(2) = 212, a(3) = 464\}$$

Sequence: A199531
Score: 5.51914
Type of gen. func.: ogf

$$(673 f(x) + 18713)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + 4 x^2 + f(x) - 24 x - 12)$$

Sequence: A199532
Score: 13.6715
Type of gen. func.: lgdogf

$$- \frac{(x + 4) (6 x^2 - 81 x - 40)}{(x - 1) (3 x^3 - 22 x^2 - 80 x - 16)}$$

Sequence: A199532
Score: 7.81155
Type of gen. func.: ogf

$$\frac{2 (3 x^3 - 22 x^2 - 80 x - 16)}{(x - 1)^5}$$

Sequence: A199533
Score: 6.19332
Type of gen. func.: ogf

$$- \frac{2 (x^4 - 21 x^3 - 529 x^2 - 467 x - 40)}{(x - 1)^6}$$

Sequence: A199533
Score: 9.36704
Type of gen. func.: lgdogf

$$-\frac{2x^4 - 59x^3 - 2179x^2 - 3393x - 707}{(x-1)(x^4 - 21x^3 - 529x^2 - 467x - 40)}$$

Sequence: A199534
Score: 4.95077
Type of gen. func.: ogf

$$-\frac{2(4x^5 + 4x^4 + 2653x^3 + 6540x^2 + 2473x + 100)}{(x-1)^7}$$

Sequence: A199548
Score: 14.1824
Type of gen. func.: revogf

$$\frac{(1 + x^2 + ((x+1)(x^3 - x^2 - 5x + 1))^{1/2})x}{2(2x+1)}$$

Sequence: A199548
Score: 9.55413
Type of gen. func.: ogf

$$-f(x)^3 x^2 + f(x)^3 x + 2 f(x) x - f(x) + 1$$

Sequence: A199552
Score: 12.6739
Type of gen. func.: ogf

$$-\frac{12x - 5}{(8x-1)(x-1)}$$

Sequence: A199552
Score: 14.2805

Type of gen. func.: lgdogf

$$-\frac{96 x^2 - 80 x + 33}{(12 x - 5) (x - 1) (8 x - 1)}$$

Sequence: A199552
Score: 6.33694
Type of gen. func.: ogf

$$-(217 f(x) + 4) (8 f(x) x^2 - 9 f(x) x + f(x) + 12 x - 5)$$

Sequence: A199552
Score: 7.02408
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) + 8 a(n), a(0) = 5, a(1) = 33\}$$

Sequence: A199553
Score: 12.8019
Type of gen. func.: ogf

$$-\frac{13 x - 6}{(8 x - 1) (x - 1)}$$

Sequence: A199553
Score: 14.0759
Type of gen. func.: lgdogf

$$-\frac{104 x^2 - 96 x + 41}{(x - 1) (13 x - 6) (8 x - 1)}$$

Sequence: A199553
Score: 6.33213
Type of gen. func.: ogf

$$-(273 f(x) + 43) (8 f(x) x^2 - 9 f(x) x + f(x) + 13 x - 6)$$

Sequence: A199553
Score: 7.09504
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) + 8 a(n), a(0) = 6, a(1) = 41\}$$

Sequence: A199554
Score: 12.9299
Type of gen. func.: ogf

$$- \frac{7 (2 x - 1)}{(8 x - 1) (x - 1)}$$

Sequence: A199554
Score: 15.3421
Type of gen. func.: lgdogf

$$- \frac{16 x^2 - 16 x + 7}{(x - 1) (8 x - 1) (2 x - 1)}$$

Sequence: A199554
Score: 6.19559
Type of gen. func.: ogf

$$-(2633 f(x) - 1624) (8 f(x) x^2 - 9 f(x) x + f(x) + 14 x - 7)$$

Sequence: A199554
Score: 7.16599
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) + 8 a(n), a(0) = 7, a(1) = 49\}$$

Sequence: A199555
Score: 12.9299
Type of gen. func.: ogf

15 x - 8
- -----------------

```
                              (8 x - 1) (x - 1)



--------------------------------------------------------------------------------

Sequence:  A199555
Score: 13.8809
Type of gen. func.: lgdogf


                                       2
                                  120 x  - 128 x + 57
                            - ----------------------------
                              (x - 1) (15 x - 8) (8 x - 1)



--------------------------------------------------------------------------------

Sequence:  A199555
Score: 6.32741
Type of gen. func.: ogf


                                         2
           -(385 f(x) + 169) (8 f(x) x  - 9 f(x) x + f(x) + 15 x - 8)



--------------------------------------------------------------------------------

Sequence:  A199555
Score: 7.16599
Type of gen. func.: ogf


             {a(n + 2) - 9 a(n + 1) + 8 a(n), a(0) = 8, a(1) = 57}



--------------------------------------------------------------------------------

Sequence:  A199556
Score: 12.7801
Type of gen. func.: ogf


                                       17 x - 10
                                 - -----------------
                                   (8 x - 1) (x - 1)



--------------------------------------------------------------------------------

Sequence:  A199556
Score: 13.6951
Type of gen. func.: lgdogf


                                       2
                                  136 x  - 160 x + 73
                           - -----------------------------
                             (17 x - 10) (x - 1) (8 x - 1)



--------------------------------------------------------------------------------

Sequence:  A199556
```

```
Score: 6.3228
Type of gen. func.: ogf


                                       2
          -(497 f(x) + 359) (8 f(x) x  - 9 f(x) x + f(x) + 17 x - 10)



--------------------------------------------------------------------------------

Sequence:  A199556
Score: 7.15079
Type of gen. func.: ogf


             {a(n + 2) - 9 a(n + 1) + 8 a(n), a(0) = 10, a(1) = 73}



--------------------------------------------------------------------------------

Sequence:  A199557
Score: 12.8428
Type of gen. func.: ogf

                                      18 x - 11
                                - -----------------
                                  (8 x - 1) (x - 1)



--------------------------------------------------------------------------------

Sequence:  A199557
Score: 13.7635
Type of gen. func.: lgdogf

                                      2
                                 144 x  - 176 x + 81
                          - -----------------------------
                            (18 x - 11) (x - 1) (8 x - 1)



--------------------------------------------------------------------------------

Sequence:  A199557
Score: 6.35379
Type of gen. func.: ogf


                                       2
          -(553 f(x) + 478) (8 f(x) x  - 9 f(x) x + f(x) + 18 x - 11)



--------------------------------------------------------------------------------

Sequence:  A199557
Score: 7.18583
Type of gen. func.: ogf


             {a(n + 2) - 9 a(n + 1) + 8 a(n), a(0) = 11, a(1) = 81}



--------------------------------------------------------------------------------
```

Sequence: A199558
Score: 12.8428
Type of gen. func.: ogf

$$-\frac{19 x - 12}{(8 x - 1) (x - 1)}$$

Sequence: A199558
Score: 13.7635
Type of gen. func.: lgdogf

$$-\frac{152 x^2 - 192 x + 89}{(x - 1) (8 x - 1) (19 x - 12)}$$

Sequence: A199558
Score: 6.35379
Type of gen. func.: ogf

$$-(609 f(x) + 613) (8 f(x) x^2 - 9 f(x) x + f(x) + 19 x - 12)$$

Sequence: A199558
Score: 7.18583
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) + 8 a(n), a(0) = 12, a(1) = 89\}$$

Sequence: A199559
Score: 12.5295
Type of gen. func.: ogf

$$-\frac{11 x - 3}{(9 x - 1) (x - 1)}$$

Sequence: A199559
Score: 14.4278
Type of gen. func.: lgdogf

$$99 x^2 - 54 x + 19$$

```
                          - ----------------------------
                            (x - 1) (11 x - 3) (9 x - 1)



--------------------------------------------------------------------------------

Sequence:  A199559
Score: 6.26476
Type of gen. func.: ogf


                                         2
           -(136 f(x) - 47) (9 f(x) x  - 10 f(x) x + f(x) + 11 x - 3)



--------------------------------------------------------------------------------

Sequence:  A199559
Score: 7.01057
Type of gen. func.: ogf


             {a(n + 2) - 10 a(n + 1) + 9 a(n), a(0) = 3, a(1) = 19}



--------------------------------------------------------------------------------

Sequence:  A199560
Score: 12.6099
Type of gen. func.: ogf


                                    2 (3 x - 1)
                               - -----------------
                                 (9 x - 1) (x - 1)



--------------------------------------------------------------------------------

Sequence:  A199560
Score: 14.9547
Type of gen. func.: lgdogf


                                        2
                                    27 x  - 18 x + 7
                          - ---------------------------
                            (x - 1) (3 x - 1) (9 x - 1)



--------------------------------------------------------------------------------

Sequence:  A199560
Score: 6.37423
Type of gen. func.: ogf


                                        2
            -(26 f(x) - 3) (9 f(x) x  - 10 f(x) x + f(x) + 6 x - 2)



--------------------------------------------------------------------------------

Sequence:  A199560
Score: 6.90542
```

Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 9 a(n), a(0) = 2, a(1) = 14\}$$

Sequence: A199561
Score: 12.7801
Type of gen. func.: ogf

$$-\frac{4 (3 x - 1)}{(9 x - 1) (x - 1)}$$

Sequence: A199561
Score: 15.4971
Type of gen. func.: lgdogf

$$-\frac{27 x^2 - 18 x + 7}{(x - 1) (3 x - 1) (9 x - 1)}$$

Sequence: A199561
Score: 6.52897
Type of gen. func.: ogf

$$-(13 f(x) - 3) (9 f(x) x^2 - 10 f(x) x + f(x) + 12 x - 4)$$

Sequence: A199561
Score: 7.15079
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 9 a(n), a(0) = 4, a(1) = 28\}$$

Sequence: A199562
Score: 12.9681
Type of gen. func.: ogf

$$-\frac{13 x - 5}{(9 x - 1) (x - 1)}$$

Sequence: A199562
Score: 14.5786
Type of gen. func.: lgdogf

$$-\frac{117 x^2 - 90 x + 37}{(13 x - 5) (x - 1) (9 x - 1)}$$

Sequence: A199562
Score: 6.48403
Type of gen. func.: ogf

$$-(280 f(x) - 31) (9 f(x) x^2 - 10 f(x) x + f(x) + 13 x - 5)$$

Sequence: A199562
Score: 7.25594
Type of gen. func.: ogf

{a(n + 2) - 10 a(n + 1) + 9 a(n), a(0) = 5, a(1) = 37}

Sequence: A199563
Score: 13.0934
Type of gen. func.: ogf

$$-\frac{2 (7 x - 3)}{(9 x - 1) (x - 1)}$$

Sequence: A199563
Score: 15.4772
Type of gen. func.: lgdogf

$$-\frac{63 x^2 - 54 x + 23}{(x - 1) (7 x - 3) (9 x - 1)}$$

Sequence: A199563
Score: 6.689
Type of gen. func.: ogf

2

$$-(88 f(x) + 1) (9 f(x) x - 10 f(x) x + f(x) + 14 x - 6)$$

Sequence: A199563
Score: 7.32605
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 9 a(n), a(0) = 6, a(1) = 46\}$$

Sequence: A199564
Score: 13.2187
Type of gen. func.: ogf

$$- \frac{15 x - 7}{(9 x - 1) (x - 1)}$$

Sequence: A199564
Score: 14.5119
Type of gen. func.: lgdogf

$$- \frac{135 x^2 - 126 x + 55}{(x - 1) (9 x - 1) (15 x - 7)}$$

Sequence: A199564
Score: 6.60933
Type of gen. func.: ogf

$$-(424 f(x) + 57) (9 f(x) x^2 - 10 f(x) x + f(x) + 15 x - 7)$$

Sequence: A199564
Score: 7.39615
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 9 a(n), a(0) = 7, a(1) = 55\}$$

Sequence: A199565
Score: 12.7379
Type of gen. func.: ogf

$$-\frac{2(2x-1)}{(9x-1)(x-1)}$$

Sequence: A199565
Score: 15.1096
Type of gen. func.: lgdogf

$$-\frac{2(9x^2-9x+4)}{(x-1)(2x-1)(9x-1)}$$

Sequence: A199565
Score: 6.16782
Type of gen. func.: ogf

$$-(4465 f(x) - 738) (9 f(x) x^2 - 10 f(x) x + f(x) + 4 x - 2)$$

Sequence: A199565
Score: 6.97552
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 9 a(n), a(0) = 2, a(1) = 16\}$$

Sequence: A199566
Score: 13.1220
Type of gen. func.: ogf

$$-\frac{4(2x-1)}{(9x-1)(x-1)}$$

Sequence: A199566
Score: 15.5745
Type of gen. func.: lgdogf

$$-\frac{2(9x^2-9x+4)}{(x-1)(2x-1)(9x-1)}$$

```
------------------------------------------------------------------------------

Sequence:  A199566
Score: 6.2876
Type of gen. func.: ogf

                                       2
          -(4465 f(x) - 1476) (9 f(x) x  - 10 f(x) x + f(x) + 8 x - 4)



------------------------------------------------------------------------------

Sequence:  A199566
Score: 7.18583
Type of gen. func.: ogf

             {a(n + 2) - 10 a(n + 1) + 9 a(n), a(0) = 4, a(1) = 32}



------------------------------------------------------------------------------

Sequence:  A199567
Score: 13.2813
Type of gen. func.: ogf

                                   8 (2 x - 1)
                              - -----------------
                                (9 x - 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A199567
Score: 16.1169
Type of gen. func.: lgdogf

                                      2
                               2 (9 x  - 9 x + 4)
                         - ---------------------------
                           (x - 1) (2 x - 1) (9 x - 1)



------------------------------------------------------------------------------

Sequence:  A199567
Score: 6.43527
Type of gen. func.: ogf

                                      2
         -(4465 f(x) - 2952) (9 f(x) x  - 10 f(x) x + f(x) + 16 x - 8)



------------------------------------------------------------------------------

Sequence:  A199567
Score: 7.43120
Type of gen. func.: ogf

             {a(n + 2) - 10 a(n + 1) + 9 a(n), a(0) = 8, a(1) = 64}
```

Sequence: A199572
Score: 15.2054
Type of gen. func.: ogf

$$-4 f(x) x^2 + f(x) - 1$$

Sequence: A199572
Score: 24.9368
Type of gen. func.: ogf

$$- \frac{1}{(2 x - 1) (2 x + 1)}$$

Sequence: A199572
Score: 34.1221
Type of gen. func.: lgdogf

$$- \frac{8 x}{(2 x - 1) (2 x + 1)}$$

Sequence: A199572
Score: 9.89557
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n), a(0) = 1, a(1) = 0\}$$

Sequence: A199573
Score: 12.1959
Type of gen. func.: ogf

$$-4 f(x) x^2 + 2 x^2 + f(x) - 1$$

Sequence: A199573
Score: 13.2800
Type of gen. func.: ogf

2

$$\frac{2x - 1}{(2x - 1)(2x + 1)}$$

Sequence: A199573
Score: 22.6421
Type of gen. func.: lgdogf

$$\frac{4x}{(2x - 1)(2x + 1)(2x^2 - 1)}$$

Sequence: A199573
Score: 7.19999
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 1), a(0) = 1, a(1) = 0, a(2) = 2\}$$

Sequence: A199578
Score: 4.37382
Type of gen. func.: ogf

$$\{(-n^2 - 6n - 9) a(n + 1) + (-2n - 6) a(n + 2) - a(n + 3), a(0) = 1, a(1) = -2, a(2) = 4\}$$

Sequence: A199579
Score: 3.78002
Type of gen. func.: ogf

$$-(4 f(x) + 1)(24 f(x) x^4 - 96 f(x) x^3 + 72 f(x) x^2 + 24 x^3 - 16 f(x) x - 36 x^2 + f(x) + 12 x - 1)$$

Sequence: A199579
Score: 6.66005
Type of gen. func.: ogf

$$-\frac{24x^3 - 36x^2 + 12x - 1}{24x^4 - 96x^3 + 72x^2 - 16x + 1}$$

Sequence: A199594
Score: 11.2818
Type of gen. func.: ogf

$$\frac{x^{3} (x + 2)}{x^{5} - x^{3} - x^{2} - x + 1}$$

Sequence: A199594
Score: 13.3587
Type of gen. func.: lgdogf

$$-\frac{4 x^{5} + 10 x^{4} - 2 x^{3} - 7 x^{2} - 4 x - 3}{(x + 2) (x^{5} - x^{3} - x^{2} - x + 1)}$$

Sequence: A199594
Score: 5.98803
Type of gen. func.: ogf

$$(7 f(x) + 16) (f(x) x^{5} - f(x) x^{3} - x^{4} - f(x) x^{2} - 2 x^{3} - f(x) x + f(x))$$

Sequence: A199626
Score: 12.1314
Type of gen. func.: lgdogf

$$-\frac{3 x^{6} + 16 x^{5} + 32 x^{4} + 32 x^{3} + 15 x^{2} + 16 x + 6}{(x - 1) (x + 2) (x + 1) (x^{2} + 1) (x^{2} + 2 x + 2)}$$

Sequence: A199626
Score: 9.78388
Type of gen. func.: ogf

$$-\frac{x (x + 2) (x^{2} + 2 x + 2)}{{}^{2} \qquad {}^{2} \qquad {}^{2}}$$

$$(x + 1) (x - 1) (x + 1)$$

Sequence: A199627
Score: 7.55554
Type of gen. func.: ogf

$$\frac{(x^7 - 2 x^6 + 3 x^5 - x^4 - x^3 + 2 x^2 - 2 x + 1) (x + 1)^2}{(x - 1)^2 (x^2 + 1)}$$

Sequence: A199628
Score: 4.82609
Type of gen. func.: ogf

$$\frac{(x^9 + 3 x^6 + 3 x^3 - x^2 + 1) (x^9 + 3 x^6 + 3 x^3 + x^2 + 1) (x + 1)^2}{(x - 1)^2 (x^2 + 1)}$$

Sequence: A199634
Score: 3.75601
Type of gen. func.: ogf

$$-(5296939999 f(x) - 17279568784312233)$$

$$(-6 x^5 - 8 x^4 - 13 x^3 - 74 x^2 + f(x) - 534 x - 3265920)$$

Sequence: A199638
Score: 7.45482
Type of gen. func.: ogf

$$\frac{12 x^7 - 4 x^6 + x^5 + x^4 + x^3 + x^2 + 3 x + 5}{(x - 1) (2 x + 1) (2 x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A199641
Score: 6.59423
Type of gen. func.: ogf

6 5 4 3 2

$$\frac{4 x + 4 x - 7 x - 8 x - 3 x + 1}{8 x^{5} - 8 x^{3} - 7 x^{2} - 3 x + 1}$$

Sequence: A199649
Score: 6.86118
Type of gen. func.: ogf

$$\frac{4 x^{5} + 5 x^{4} - 3 x^{3} - 7 x^{2} - 2 x + 2}{8 x^{4} + 2 x^{3} - 4 x^{2} - 8 x + 1}$$

Sequence: A199659
Score: 16.8781
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-3 x - 3}{x^{3} - 1}$$

Sequence: A199670
Score: 16.0830
Type of gen. func.: revegf]

$$-2/3 \exp(-x) + 2/3 \exp(x/2) \cos\left(\frac{3^{1/2} x}{2}\right)$$

Sequence: A199677
Score: 13.2813
Type of gen. func.: ogf

$$- \frac{17 x - 9}{(9 x - 1) (x - 1)}$$

Sequence: A199677
Score: 14.5820
Type of gen. func.: lgdogf

2

```
                               153 x  - 162 x + 73
                         - -----------------------------
                           (x - 1) (17 x - 9) (9 x - 1)



------------------------------------------------------------------------------

Sequence:  A199677
Score: 6.57075
Type of gen. func.: ogf


                                     2
          -(568 f(x) + 217) (9 f(x) x  - 10 f(x) x + f(x) + 17 x - 9)



------------------------------------------------------------------------------

Sequence:  A199677
Score: 7.43120
Type of gen. func.: ogf


             {a(n + 2) - 10 a(n + 1) + 9 a(n), a(0) = 9, a(1) = 73}



------------------------------------------------------------------------------

Sequence:  A199678
Score: 13.0660
Type of gen. func.: ogf


                                    19 x - 11
                              - -----------------
                                (9 x - 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A199678
Score: 14.3113
Type of gen. func.: lgdogf


                                    2
                               171 x  - 198 x + 91
                        - ------------------------------
                          (19 x - 11) (x - 1) (9 x - 1)



------------------------------------------------------------------------------

Sequence:  A199678
Score: 6.53297
Type of gen. func.: ogf


                                     2
          -(712 f(x) + 449) (9 f(x) x  - 10 f(x) x + f(x) + 19 x - 11)



------------------------------------------------------------------------------

Sequence:  A199678
```

Score: 7.37842
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 9 a(n), a(0) = 11, a(1) = 91\}$$

Sequence: A199679
Score: 12.9939
Type of gen. func.: ogf

$$-\frac{5 x - 3}{(9 x - 1) (x - 1)}$$

Sequence: A199679
Score: 15.0242
Type of gen. func.: lgdogf

$$-\frac{45 x^2 - 54 x + 25}{(x - 1) (9 x - 1) (5 x - 3)}$$

Sequence: A199679
Score: 6.42711
Type of gen. func.: ogf

$$-(196 f(x) + 37) (9 f(x) x^2 - 10 f(x) x + f(x) + 5 x - 3)$$

Sequence: A199679
Score: 7.11573
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 9 a(n), a(0) = 3, a(1) = 25\}$$

Sequence: A199680
Score: 13.1560
Type of gen. func.: ogf

$$-\frac{2 (5 x - 3)}{(9 x - 1) (x - 1)}$$

Sequence: A199680
Score: 15.5527
Type of gen. func.: lgdogf

$$-\frac{45 x^2 - 54 x + 25}{(x - 1) (9 x - 1) (5 x - 3)}$$

Sequence: A199680
Score: 6.64873
Type of gen. func.: ogf

$$-(98 f(x) + 37) (9 f(x) x^2 - 10 f(x) x + f(x) + 10 x - 6)$$

Sequence: A199680
Score: 7.36110
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 9 a(n), a(0) = 6, a(1) = 50\}$$

Sequence: A199681
Score: 11.6819
Type of gen. func.: ogf

$$-\frac{4 (5 x - 3)}{(9 x - 1) (x - 1)}$$

Sequence: A199681
Score: 14.0813
Type of gen. func.: lgdogf

$$-\frac{45 x^2 - 54 x + 25}{(x - 1) (9 x - 1) (5 x - 3)}$$

Sequence: A199681
Score: 5.96524
Type of gen. func.: ogf

$$-(49 f(x) + 37) (9 f(x) x^2 - 10 f(x) x + f(x) + 20 x - 12)$$

Sequence: A199681
Score: 6.52014
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 9 a(n), a(0) = 12, a(1) = 100\}$$

Sequence: A199682
Score: 13.0046
Type of gen. func.: ogf

$$-\frac{3 (4 x - 1)}{(10 x - 1) (x - 1)}$$

Sequence: A199682
Score: 15.7037
Type of gen. func.: lgdogf

$$-\frac{40 x^2 - 20 x + 7}{(x - 1) (4 x - 1) (10 x - 1)}$$

Sequence: A199682
Score: 6.71205
Type of gen. func.: ogf

$$-(19 f(x) - 8) (10 f(x) x^2 - 11 f(x) x + f(x) + 12 x - 3)$$

Sequence: A199682
Score: 7.34378
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 3, a(1) = 21\}$$

Sequence: A199683
Score: 13.0046
Type of gen. func.: ogf

$$-\frac{13x-4}{(10x-1)(x-1)}$$

Sequence: A199683
Score: 14.5820
Type of gen. func.: lgdogf

$$-\frac{130x^2-80x+31}{(x-1)(13x-4)(10x-1)}$$

Sequence: A199683
Score: 6.57075
Type of gen. func.: ogf

$$-(261 f(x) - 83) (10 f(x) x^2 - 11 f(x) x + f(x) + 13 x - 4)$$

Sequence: A199683
Score: 7.34378
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 4, a(1) = 31\}$$

Sequence: A199684
Score: 13.0046
Type of gen. func.: ogf

$$-\frac{14x-5}{(10x-1)(x-1)}$$

Sequence: A199684
Score: 14.2429
Type of gen. func.: lgdogf

$$-\frac{140x^2-100x+41}{(x-1)(14x-5)(10x-1)}$$

Sequence: A199684
Score: 6.57075
Type of gen. func.: ogf

$$-(351 f(x) - 74) (10 f(x) x^2 - 11 f(x) x + f(x) + 14 x - 5)$$

Sequence: A199684
Score: 7.34378
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 5, a(1) = 41\}$$

Sequence: A199685
Score: 13.0046
Type of gen. func.: ogf

$$-\frac{3 (5 x - 2)}{(10 x - 1) (x - 1)}$$

Sequence: A199685
Score: 15.3111
Type of gen. func.: lgdogf

$$-\frac{50 x^2 - 40 x + 17}{(x - 1) (5 x - 2) (10 x - 1)}$$

Sequence: A199685
Score: 6.71205
Type of gen. func.: ogf

$$-(49 f(x) - 5) (10 f(x) x^2 - 11 f(x) x + f(x) + 15 x - 6)$$

Sequence: A199685
Score: 7.34378
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 6, a(1) = 51\}$$

Sequence: A199686
Score: 13.0046
Type of gen. func.: ogf

$$-\frac{16x-7}{(10x-1)(x-1)}$$

Sequence: A199686
Score: 14.2429
Type of gen. func.: lgdogf

$$-\frac{160x^2-140x+61}{(x-1)(16x-7)(10x-1)}$$

Sequence: A199686
Score: 6.64065
Type of gen. func.: ogf

$$-(531 f(x)+4)(10 f(x) x^2-11 f(x) x+f(x)+16x-7)$$

Sequence: A199686
Score: 7.34378
Type of gen. func.: ogf

$$\{a(n+2)-11 a(n+1)+10 a(n), a(0)=7, a(1)=61\}$$

Sequence: A199687
Score: 13.0046
Type of gen. func.: ogf

$$-\frac{17x-8}{(10x-1)(x-1)}$$

Sequence: A199687
Score: 14.2429
Type of gen. func.: lgdogf

$$-\frac{170 x^2 - 160 x + 71}{(x - 1) (17 x - 8) (10 x - 1)}$$

Sequence: A199687
Score: 6.57075
Type of gen. func.: ogf

$$-(621 f(x) + 73) (10 f(x) x^2 - 11 f(x) x + f(x) + 17 x - 8)$$

Sequence: A199687
Score: 7.34378
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 8, a(1) = 71\}$$

Sequence: A199688
Score: 13.2813
Type of gen. func.: ogf

$$-\frac{3 (2 x - 1)}{(10 x - 1) (x - 1)}$$

Sequence: A199688
Score: 15.7037
Type of gen. func.: lgdogf

$$-\frac{20 x^2 - 20 x + 9}{(x - 1) (2 x - 1) (10 x - 1)}$$

Sequence: A199688
Score: 6.43527
Type of gen. func.: ogf

$$-(7111 f(x) - 1650) (10 f(x) x^2 - 11 f(x) x + f(x) + 6 x - 3)$$

Sequence: A199688
Score: 7.34378
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 3, a(1) = 27\}$$

Sequence: A199689
Score: 13.0046
Type of gen. func.: ogf

$$-\frac{9 (2 x - 1)}{(10 x - 1) (x - 1)}$$

Sequence: A199689
Score: 15.7037
Type of gen. func.: lgdogf

$$-\frac{20 x^2 - 20 x + 9}{(x - 1) (2 x - 1) (10 x - 1)}$$

Sequence: A199689
Score: 6.3696
Type of gen. func.: ogf

$$-(7111 f(x) - 4950) (10 f(x) x^2 - 11 f(x) x + f(x) + 18 x - 9)$$

Sequence: A199689
Score: 7.34378
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 9, a(1) = 81\}$$

Sequence: A199690
Score: 13.2813
Type of gen. func.: ogf

$$-\frac{7 x - 4}{(10 x - 1) (x - 1)}$$

Sequence: A199690
Score: 15.3111
Type of gen. func.: lgdogf

$$-\frac{70 x^2 - 80 x + 37}{(x - 1) (7 x - 4) (10 x - 1)}$$

Sequence: A199690
Score: 6.64065
Type of gen. func.: ogf

$$-(327 f(x) + 61) (10 f(x) x^2 - 11 f(x) x + f(x) + 7 x - 4)$$

Sequence: A199690
Score: 7.34378
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 4, a(1) = 37\}$$

Sequence: A199691
Score: 12.3873
Type of gen. func.: ogf

$$-\frac{3 (7 x - 4)}{(10 x - 1) (x - 1)}$$

Sequence: A199691
Score: 14.8854
Type of gen. func.: lgdogf

$$-\frac{70 x^2 - 80 x + 37}{(x - 1) (7 x - 4) (10 x - 1)}$$

Sequence: A199691
Score: 6.32269

Type of gen. func.: ogf

$$-(109 f(x) + 61) (10 f(x) x^2 - 11 f(x) x + f(x) + 21 x - 12)$$

Sequence: A199691
Score: 6.97676
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 12, a(1) = 111\}$$

Sequence: A199705
Score: 13.5071
Type of gen. func.: ogf

$$-\frac{2 (2 x^2 + x + 3)}{(x + 1) (x - 1)^3}$$

Sequence: A199705
Score: 17.9674
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 7 x^2 + 18 x + 7}{(x - 1) (x + 1) (2 x^2 + x + 3)}$$

Sequence: A199705
Score: 6.75354
Type of gen. func.: ogf

$$(131004 f(x) - 1262779)$$

$$(f(x) x^4 - 2 f(x) x^3 + 2 f(x) x + 4 x^2 - f(x) + 2 x + 6)$$

Sequence: A199706
Score: 7.20150
Type of gen. func.: ogf

4 3 2

$$\frac{4 (2 x + 4 x + 9 x + 7 x + 2)}{(x^2 + x + 1) (x - 1)^4}$$

Sequence: A199706
Score: 8.54211
Type of gen. func.: lgdogf

$$- \frac{4 x^6 + 18 x^5 + 54 x^4 + 82 x^3 + 72 x^2 + 45 x + 13}{(x - 1) (x^2 + x + 1) (2 x^4 + 4 x^3 + 9 x^2 + 7 x + 2)}$$

Sequence: A199707
Score: 4.34299
Type of gen. func.: ogf

$$- 2 (8 x^9 + 47 x^8 + 222 x^7 + 426 x^6 + 618 x^5 + 618 x^4 + 482 x^3 + 246 x^2 + 86 x + 7) / ((x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^5)$$

Sequence: A199710
Score: 10.4844
Type of gen. func.: ogf

$$\frac{13 x^3 - 14 x^2 + x + 1}{169 x^4 - 28 x^2 + 1}$$

Sequence: A199710
Score: 6.27268
Type of gen. func.: ogf

$$-(13554 f(x) + 7813) (169 f(x) x^4 - 28 f(x) x^2 - 13 x^3 + 14 x^2 + f(x) - x - 1)$$

Sequence: A199710
Score: 8.01143
Type of gen. func.: lgdogf

$$-\frac{2197\,x^6-4732\,x^5+871\,x^4+676\,x^3-67\,x^2-28\,x-1}{(13\,x^3-14\,x^2+x+1)\,(169\,x^4-28\,x^2+1)}$$

Sequence: A199744
Score: 19.4050
Type of gen. func.: ogf

$$\frac{1}{x^4+2\,x^3+2\,x^2+x+1}$$

Sequence: A199744
Score: 21.7318
Type of gen. func.: lgdogf

$$-\frac{(2\,x+1)\,(2\,x^2+2\,x+1)}{x^4+2\,x^3+2\,x^2+x+1}$$

Sequence: A199744
Score: 7.46346
Type of gen. func.: ogf

$$(f(x)-2)\,(f(x)\,x^4+2\,f(x)\,x^3+2\,f(x)\,x^2+f(x)\,x+f(x)-1)$$

Sequence: A199750
Score: 13.1273
Type of gen. func.: ogf

$$-\frac{13\,x-3}{(11\,x-1)\,(x-1)}$$

Sequence: A199750
Score: 14.7222
Type of gen. func.: lgdogf

2

$$-\frac{143 x - 66 x + 23}{(x - 1) (13 x - 3) (11 x - 1)}$$

Sequence: A199750
Score: 6.56365
Type of gen. func.: ogf

$$-(210 f(x) - 101) (11 f(x) x^2 - 12 f(x) x + f(x) + 13 x - 3)$$

Sequence: A199750
Score: 7.41306
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 11 a(n), a(0) = 3, a(1) = 23\}$$

Sequence: A199751
Score: 13.2813
Type of gen. func.: ogf

$$-\frac{7 x - 2}{(11 x - 1) (x - 1)}$$

Sequence: A199751
Score: 15.3111
Type of gen. func.: lgdogf

$$-\frac{77 x^2 - 44 x + 17}{(x - 1) (7 x - 2) (11 x - 1)}$$

Sequence: A199751
Score: 6.64065
Type of gen. func.: ogf

$$-(160 f(x) - 31) (11 f(x) x^2 - 12 f(x) x + f(x) + 7 x - 2)$$

Sequence: A199751

Score: 7.34378
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 11 a(n), a(0) = 2, a(1) = 17\}$$

Sequence: A199752
Score: 11.8626
Type of gen. func.: ogf

$$- \frac{2 (7 x - 2)}{(11 x - 1) (x - 1)}$$

Sequence: A199752
Score: 13.9460
Type of gen. func.: lgdogf

$$- \frac{77 x^2 - 44 x + 17}{(x - 1) (7 x - 2) (11 x - 1)}$$

Sequence: A199752
Score: 6.05748
Type of gen. func.: ogf

$$-(80 f(x) - 31) (11 f(x) x^2 - 12 f(x) x + f(x) + 14 x - 4)$$

Sequence: A199752
Score: 6.69886
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 11 a(n), a(0) = 4, a(1) = 34\}$$

Sequence: A199753
Score: 12.0432
Type of gen. func.: ogf

$$- \frac{5 (3 x - 1)}{(11 x - 1) (x - 1)}$$

Sequence: A199753
Score: 14.5260
Type of gen. func.: lgdogf

$$-\frac{33 x^2 - 22 x + 9}{(x - 1) (3 x - 1) (11 x - 1)}$$

Sequence: A199753
Score: 6.14973
Type of gen. func.: ogf

$$-(86 f(x) - 25) (11 f(x) x^2 - 12 f(x) x + f(x) + 15 x - 5)$$

Sequence: A199753
Score: 6.80087
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 11 a(n), a(0) = 5, a(1) = 45\}$$

Sequence: A199754
Score: 11.9920
Type of gen. func.: ogf

$$-\frac{8 x - 3}{(11 x - 1) (x - 1)}$$

Sequence: A199754
Score: 13.1443
Type of gen. func.: lgdogf

$$-\frac{2 (44 x^2 - 33 x + 14)}{(x - 1) (8 x - 3) (11 x - 1)}$$

Sequence: A199754
Score: 5.99598
Type of gen. func.: ogf

$$-(135 f(x) - 13) (11 f(x) x^2 - 12 f(x) x + f(x) + 8 x - 3)$$

Sequence: A199754
Score: 6.63085
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 11 a(n), a(0) = 3, a(1) = 28\}$$

Sequence: A199755
Score: 12.1636
Type of gen. func.: ogf

$$-\frac{2 (8 x - 3)}{(11 x - 1) (x - 1)}$$

Sequence: A199755
Score: 13.6260
Type of gen. func.: lgdogf

$$-\frac{2 (44 x^2 - 33 x + 14)}{(x - 1) (8 x - 3) (11 x - 1)}$$

Sequence: A199755
Score: 6.14584
Type of gen. func.: ogf

$$-(135 f(x) - 26) (11 f(x) x^2 - 12 f(x) x + f(x) + 16 x - 6)$$

Sequence: A199755
Score: 6.86888
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 11 a(n), a(0) = 6, a(1) = 56\}$$

Sequence: A199756
Score: 12.2841
Type of gen. func.: ogf

$$-\frac{17 x - 7}{(11 x - 1) (x - 1)}$$

Sequence: A199756
Score: 13.4436
Type of gen. func.: lgdogf

$$-\frac{187 x^2 - 154 x + 67}{(x - 1) (11 x - 1) (17 x - 7)}$$

Sequence: A199756
Score: 6.20669
Type of gen. func.: ogf

$$-(650 f(x) - 61) (11 f(x) x^2 - 12 f(x) x + f(x) + 17 x - 7)$$

Sequence: A199756
Score: 6.93688
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 11 a(n), a(0) = 7, a(1) = 67\}$$

Sequence: A199757
Score: 12.1764
Type of gen. func.: ogf

$$-\frac{9 x - 4}{(11 x - 1) (x - 1)}$$

Sequence: A199757
Score: 14.0183
Type of gen. func.: lgdogf

$$-\frac{99 x^2 - 88 x + 39}{(x - 1) (9 x - 4) (11 x - 1)}$$

Sequence: A199757
Score: 6.15369
Type of gen. func.: ogf

$$-(380 f(x) + 1) (11 f(x) x^2 - 12 f(x) x + f(x) + 9 x - 4)$$

Sequence: A199757
Score: 6.73286
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 11 a(n), a(0) = 4, a(1) = 39\}$$

Sequence: A199758
Score: 12.4045
Type of gen. func.: ogf

$$-\frac{2 (9 x - 4)}{(11 x - 1) (x - 1)}$$

Sequence: A199758
Score: 14.5964
Type of gen. func.: lgdogf

$$-\frac{99 x^2 - 88 x + 39}{(x - 1) (9 x - 4) (11 x - 1)}$$

Sequence: A199758
Score: 6.33422
Type of gen. func.: ogf

$$-(190 f(x) + 1) (11 f(x) x^2 - 12 f(x) x + f(x) + 18 x - 8)$$

Sequence: A199758
Score: 7.00489
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 11 a(n), a(0) = 8, a(1) = 78\}$$

Sequence: A199759
Score: 12.4647
Type of gen. func.: ogf

$$-\frac{19 x - 9}{(11 x - 1) (x - 1)}$$

Sequence: A199759
Score: 13.6452
Type of gen. func.: lgdogf

$$-\frac{209 x^2 - 198 x + 89}{(x - 1) (19 x - 9) (11 x - 1)}$$

Sequence: A199759
Score: 6.29797
Type of gen. func.: ogf

$$-(870 f(x) + 91) (11 f(x) x^2 - 12 f(x) x + f(x) + 19 x - 9)$$

Sequence: A199759
Score: 7.03891
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 11 a(n), a(0) = 9, a(1) = 89\}$$

Sequence: A199760
Score: 13.2813
Type of gen. func.: ogf

$$-\frac{2 x - 1}{(11 x - 1) (x - 1)}$$

Sequence: A199760
Score: 14.9376
Type of gen. func.: lgdogf

$$-\frac{2\,(11\,x^2 - 11\,x + 5)}{(x - 1)\,(2\,x - 1)\,(11\,x - 1)}$$

Sequence: A199760
Score: 6.78501
Type of gen. func.: ogf

$$-(49\,f(x) + 1)\,(11\,f(x)\,x^2 - 12\,f(x)\,x + f(x) + 2\,x - 1)$$

Sequence: A199760
Score: 7.34378
Type of gen. func.: ogf

$$\{a(n + 2) - 12\,a(n + 1) + 11\,a(n),\ a(0) = 1,\ a(1) = 10\}$$

Sequence: A199761
Score: 13.3440
Type of gen. func.: ogf

$$-\frac{2\,(2\,x - 1)}{(11\,x - 1)\,(x - 1)}$$

Sequence: A199761
Score: 15.0095
Type of gen. func.: lgdogf

$$-\frac{2\,(11\,x^2 - 11\,x + 5)}{(x - 1)\,(2\,x - 1)\,(11\,x - 1)}$$

Sequence: A199761
Score: 6.81702
Type of gen. func.: ogf

$$-(49\,f(x) + 2)\,(11\,f(x)\,x^2 - 12\,f(x)\,x + f(x) + 4\,x - 2)$$

Sequence: A199761
Score: 7.37842
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 11 a(n), a(0) = 2, a(1) = 20\}$$

Sequence: A199762
Score: 12.1034
Type of gen. func.: ogf

$$-\frac{5 (2 x - 1)}{(11 x - 1) (x - 1)}$$

Sequence: A199762
Score: 13.8879
Type of gen. func.: lgdogf

$$-\frac{2 (11 x^2 - 11 x + 5)}{(x - 1) (2 x - 1) (11 x - 1)}$$

Sequence: A199762
Score: 5.86833
Type of gen. func.: ogf

$$-(10781 f(x) - 3905) (11 f(x) x^2 - 12 f(x) x + f(x) + 10 x - 5)$$

Sequence: A199762
Score: 6.83487
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 11 a(n), a(0) = 5, a(1) = 50\}$$

Sequence: A199763
Score: 12.3873
Type of gen. func.: ogf

$$-\frac{10 (2 x - 1)}{(11 x - 1) (x - 1)}$$

Sequence: A199763
Score: 14.5223
Type of gen. func.: lgdogf

$$-\frac{2\,(11\,x^2 - 11\,x + 5)}{(x - 1)\,(2\,x - 1)\,(11\,x - 1)}$$

Sequence: A199763
Score: 6.06978
Type of gen. func.: ogf

$$-(10781\,f(x) - 7810)\,(11\,f(x)\,x^2 - 12\,f(x)\,x + f(x) + 20\,x - 10)$$

Sequence: A199763
Score: 6.97676
Type of gen. func.: ogf

$$\{a(n + 2) - 12\,a(n + 1) + 11\,a(n),\ a(0) = 10,\ a(1) = 100\}$$

Sequence: A199764
Score: 12.3873
Type of gen. func.: ogf

$$-\frac{21\,x - 11}{(11\,x - 1)\,(x - 1)}$$

Sequence: A199764
Score: 13.2315
Type of gen. func.: lgdogf

$$-\frac{231\,x^2 - 242\,x + 111}{(x - 1)\,(21\,x - 11)\,(11\,x - 1)}$$

Sequence: A199764
Score: 6.19365

Type of gen. func.: ogf

$$-(1090 f(x) + 331) (11 f(x) x^2 - 12 f(x) x + f(x) + 21 x - 11)$$

Sequence: A199764
Score: 6.97676
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 11 a(n), a(0) = 11, a(1) = 111\}$$

Sequence: A199771
Score: 14.4789
Type of gen. func.: lgdogf

$$-\frac{3 x^4 + 6 x^3 + 20 x^2 + 14 x + 5}{(x - 1) (x + 1) (x^3 + x^2 + 3 x + 1)}$$

Sequence: A199771
Score: 8.88220
Type of gen. func.: ogf

$$\frac{x^3 + x^2 + 3 x + 1}{(x + 1)^2 (x - 1)^4}$$

Sequence: A199772
Score: 8.58368
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^4 + 5 x^3 + 30 x^2 + 5 x + 1)}{x^6 - 66 x^3 + 1}$$

Sequence: A199773
Score: 8.70560
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + 15 x^3 + 88 x^2 + 15 x + 1)}{x^6 - 66 x^3 + 1}$$

Sequence: A199774
Score: 9.52685
Type of gen. func.: ogf

$$\frac{x (3 x^4 + 5 x^3 + 32 x^2 + 5 x + 3)}{x^6 - 66 x^3 + 1}$$

Sequence: A199798
Score: 8.44956
Type of gen. func.: ogf

$$- \frac{13 x^5 + 21 x^4 + 132 x^3 - 21 x^2 - 13 x - 4}{x^6 - 66 x^3 + 1}$$

Sequence: A199802
Score: 23.5260
Type of gen. func.: ogf

$$\frac{1}{x^4 - x^3 + 2 x^2 - 2 x + 1}$$

Sequence: A199802
Score: 26.7733
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 3 x^2 + 4 x - 2}{x^4 - x^3 + 2 x^2 - 2 x + 1}$$

Sequence: A199802
Score: 9.04844

Type of gen. func.: ogf

$$(f(x) + 4) (f(x) x^4 - f(x) x^3 + 2 f(x) x^2 - 2 f(x) x + f(x) - 1)$$

Sequence: A199803
Score: 22.6224
Type of gen. func.: ogf

$$\frac{1}{x^4 - x^3 - x^2 + x + 1}$$

Sequence: A199803
Score: 32.8127
Type of gen. func.: lgdogf

$$- \frac{(x - 1) (4 x^2 + x - 1)}{x^4 - x^3 - x^2 + x + 1}$$

Sequence: A199803
Score: 9.16116
Type of gen. func.: ogf

$$-(f(x) - 2) (f(x) x^4 - f(x) x^3 - f(x) x^2 + f(x) x + f(x) - 1)$$

Sequence: A199804
Score: 11.2783
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) - a(n), a(0) = 1, a(1) = -1, a(2) = 1\}$$

Sequence: A199804
Score: 13.0884
Type of gen. func.: ogf

$$(f(x) - 1) (f(x) x^3 + f(x) x + f(x) - 1)$$

Sequence: A199804
Score: 32.1261
Type of gen. func.: ogf

$$\frac{1}{x^3 + x + 1}$$

Sequence: A199804
Score: 57.1155
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 1}{x^3 + x + 1}$$

Sequence: A199805
Score: 22.8691
Type of gen. func.: ogf

$$\frac{1}{x^4 - x^3 + 5 x^2 + x + 1}$$

Sequence: A199805
Score: 26.5094
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 3 x^2 + 10 x + 1}{x^4 - x^3 + 5 x^2 + x + 1}$$

Sequence: A199805
Score: 8.72128
Type of gen. func.: ogf

$$(67 f(x) + 7) (f(x) x^4 - f(x) x^3 + 5 f(x) x^2 + f(x) x + f(x) - 1)$$

Sequence: A199833
Score: 10.6994
Type of gen. func.: ogf

$$\frac{4 (x^2 + 6 x + 1)}{(x - 1)^4}$$

Sequence: A199833
Score: 22.2613
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 + 10 x + 5)}{(x - 1) (x^2 + 6 x + 1)}$$

Sequence: A199833
Score: 3.70770
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (5 + 5 n) a(n + 3) + (-30 - 5 n) a(n + 2)$$

$$+ (-3 - n) a(n + 1), a(0) = 4, a(1) = 40, a(2) = 140, a(3) = 336\}$$

Sequence: A199833
Score: 5.54782
Type of gen. func.: ogf

$$(434 f(x) + 7561)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 4 x^2 + f(x) - 24 x - 4)$$

Sequence: A199834
Score: 13.2908
Type of gen. func.: lgdogf

$$- \frac{16 x^3 + 198 x^2 + 304 x + 57}{(x - 1) (8 x^3 + 58 x^2 + 47 x + 2)}$$

Sequence: A199834
Score: 8.03780
Type of gen. func.: ogf

$$-\frac{2 (8 x^3 + 58 x^2 + 47 x + 2)}{(x - 1)^5}$$

Sequence: A199835
Score: 5.96838
Type of gen. func.: ogf

$$\frac{2 (12 x^4 + 281 x^3 + 575 x^2 + 183 x + 5)}{(x - 1)^6}$$

Sequence: A199835
Score: 8.70256
Type of gen. func.: lgdogf

$$-\frac{24 x^4 + 891 x^3 + 3143 x^2 + 2065 x + 213}{(x - 1) (12 x^4 + 281 x^3 + 575 x^2 + 183 x + 5)}$$

Sequence: A199836
Score: 4.77240
Type of gen. func.: ogf

$$-\frac{2 (32 x^5 + 1167 x^4 + 5240 x^3 + 4576 x^2 + 748 x + 11)}{(x - 1)^7}$$

Sequence: A199837
Score: 3.68849
Type of gen. func.: ogf

$$2 (56 x^6 + 4819 x^5 + 40405 x^4 + 73486 x^3 + 32914 x^2 + 2927 x + 17)$$

$$(x - 1)^{8}$$

Sequence: A199838

Score: 3.19239

Type of gen. func.: ogf

$$- 2 (128 x^{7} + 18897 x^{6} + 283090 x^{5} + 937667 x^{4} + 866735 x^{3} + 219651 x^{2} + 11306 x + 33) / (x - 1)^{9}$$

Sequence: A199848

Score: 7.05641

Type of gen. func.: ogf

$$- \frac{4 x^{5} - 12 x^{4} + 11 x^{3} - 6 x^{2} + 10 x - 11}{(x^{2} + x + 1) (x - 1)^{4}}$$

Sequence: A199849

Score: 4.70490

Type of gen. func.: ogf

$$- (x^{11} + 7 x^{10} - 16 x^{9} - 3 x^{8} + 10 x^{7} + 3 x^{6} + 16 x^{5} - 13 x^{4} + x^{3} + 14 x + 26) / ((x^{2} + 1) (x^{2} + x + 1) (x + 1)^{2} (x - 1)^{5})$$

Sequence: A199853

Score: 11.0338

Type of gen. func.: ogf

$$\frac{x^{3} - 3 x + 1}{x^{3} - x^{2} - 2 x + 1}$$

Sequence: A199853

Score: 19.0586

Type of gen. func.: lgdogf

$$-\frac{(x^2 - x + 1)^2}{(x^3 - 3 x + 1) (x^3 - x^2 - 2 x + 1)}$$

Sequence: A199853
Score: 5.09895
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) - a(n + 2) + a(n + 1), a(0) = 1, a(1) = -1, a(2) = -1, a(3) = -3\}$$

Sequence: A199853
Score: 5.85271
Type of gen. func.: ogf

$$-(f(x) - 2) (f(x) x^3 - f(x) x^2 - x^3 - 2 f(x) x + f(x) + 3 x - 1)$$

Sequence: A199874
Score: 38.6084
Type of gen. func.: revogf

$$-\frac{x (x^3 + x - 1)}{x^2 + 1}$$

Sequence: A199899
Score: 10.0861
Type of gen. func.: ogf

$$-\frac{(x - 3) (x^2 - 2 x + 5)}{(x - 1)^4}$$

Sequence: A199899
Score: 17.3787
Type of gen. func.: lgdogf

$$-\frac{x^3 - 7 x^2 + 23 x - 49}{(x - 1) (x - 3) (x^2 - 2 x + 5)}$$

Sequence: A199899
Score: 5.53332
Type of gen. func.: ogf

(134 f(x) + 1497)

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + x^3 - 4 f(x) x - 5 x^2 + f(x) + 11 x - 15)$$

Sequence: A199899
Score: 5.77390
Type of gen. func.: ogf

{(-n - 6) a(n + 1) - 3 a(n + 2) + (n + 3) a(n + 3), a(0) = 15, a(1) = 49,

a(2) = 111}

Sequence: A199900
Score: 13.5242
Type of gen. func.: lgdogf

$$-\frac{x^4 - 18 x^2 - 32 x + 159}{(x - 1) (x^4 - 2 x^3 - 4 x^2 - 6 x + 33)}$$

Sequence: A199900
Score: 7.61220
Type of gen. func.: ogf

$$-\frac{x^4 - 2 x^3 - 4 x^2 - 6 x + 33}{(x - 1)^5}$$

Sequence: A199901
Score: 6.18306

Type of gen. func.: ogf

$$-\frac{x^5 - 3x^4 - 10x^3 + 38x^2 - 83x - 75}{(x-1)^6}$$

Sequence: A199901
Score: 9.26008
Type of gen. func.: lgdogf

$$-\frac{x^5 - x^4 - 42x^3 + 122x^2 - 339x - 533}{(x-1)(x^5 - 3x^4 - 10x^3 + 38x^2 - 83x - 75)}$$

Sequence: A199902
Score: 5.06551
Type of gen. func.: ogf

$$-\frac{x^6 - 8x^5 + 25x^4 - 104x^3 - 67x^2 + 586x + 171}{(x-1)^7}$$

Sequence: A199902
Score: 6.94840
Type of gen. func.: lgdogf

$$-\frac{x^6 - 10x^5 + 35x^4 - 316x^3 - 647x^2 + 3382x + 1783}{(x-1)(x^6 - 8x^5 + 25x^4 - 104x^3 - 67x^2 + 586x + 171)}$$

Sequence: A199910
Score: 11.0758
Type of gen. func.: ogf

$$-\frac{6(x^2 + 1)}{(x^2 + x + 1)(x-1)^3}$$

Sequence: A199910
Score: 17.2420
Type of gen. func.: lgdogf

$$-\frac{(x^2+2)(3x^2+2x+1)}{(x-1)(x^2+1)(x^2+x+1)}$$

Sequence: A199910
Score: 24.3641
Type of gen. func.: ogf_with_Euler_transform]

$$-x^3+x^2+x+2$$

Sequence: A199911
Score: 5.44300
Type of gen. func.: ogf

$$\frac{8(x+1)(x^2+1)(x^4+x^3+4x^2+x+1)}{(x^2+x+1)^3(x-1)^4}$$

Sequence: A199912
Score: 3.83719
Type of gen. func.: ogf

$$-2(7x^{10}+34x^9+87x^8+246x^7+380x^6+332x^5+380x^4+246x^3+87x^2+34x+7)\Big/\left((x^2+x+1)^2(x-1)^5\right)$$

Sequence: A199923
Score: 14.6977
Type of gen. func.: lgdogf

$$\frac{2(x-1)}{(3x-1)(5x^2-4x+1)}$$

Sequence: A199923
Score: 4.29815
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 8\}$$

Sequence: A199923
Score: 7.9738
Type of gen. func.: ogf

$$(2 + 7 f(x)) (9 f(x) x^2 - 6 f(x) x - 5 x^2 + f(x) + 4 x - 1)$$

Sequence: A199923
Score: 8.27191
Type of gen. func.: ogf

$$\frac{5 x^2 - 4 x + 1}{(3 x - 1)^2}$$

Sequence: A199925
Score: 10.2225
Type of gen. func.: lgdogf

$$- \frac{2 x^7 + 3 x^6 + 4 x^5 + 5 x^4 - 6 x^2 - 4 x - 2}{(x + 1) (x^2 + 1) (x^5 - x^3 - x^2 - x + 1)}$$

Sequence: A199925
Score: 8.58125
Type of gen. func.: ogf

$$\frac{x^3 (x^2 + 1) (x + 1)}{x^5 - x^3 - x^2 - x + 1}$$

Sequence: A199926
Score: 10.7745
Type of gen. func.: lgdogf

$$-\frac{2 x^7 + 3 x^6 - 5 x^4 + 2 x^3 + x^2 + 1}{(x^3 + x^2 - 1) (x^5 - x^3 - x^2 - x + 1)}$$

Sequence: A199926
Score: 8.72248
Type of gen. func.: ogf

$$-\frac{x^3 (x^3 + x^2 - 1)}{x^5 - x^3 - x^2 - x + 1}$$

Sequence: A199927
Score: 12.6233
Type of gen. func.: ogf

$$-\frac{x^2 - 2 x - 1}{x^4 - x^3 + 5 x^2 + x + 1}$$

Sequence: A199927
Score: 15.5997
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 7 x^4 - 8 x^2 - 12 x + 1}{(x^2 - 2 x - 1) (x^4 - x^3 + 5 x^2 + x + 1)}$$

Sequence: A199927
Score: 6.35774
Type of gen. func.: ogf

$$-(285 f(x) + 254)$$

$$(f(x) x^4 - f(x) x^3 + 5 f(x) x^2 + f(x) x + x^2 + f(x) - 2 x - 1)$$

Sequence: A199928
Score: 12.2631
Type of gen. func.: ogf

$$\frac{x^2 + x + 2}{x^4 - x^3 + 5 x^2 + x + 1}$$

Sequence: A199928
Score: 14.0415
Type of gen. func.: lgdogf

$$- \frac{2 x^5 + 2 x^4 + 6 x^3 - 2 x^2 + 18 x + 1}{(x^2 + x + 2) (x^4 - x^3 + 5 x^2 + x + 1)}$$

Sequence: A199928
Score: 6.41026
Type of gen. func.: ogf

$$(333 f(x) + 70) (f(x) x^4 - f(x) x^3 + 5 f(x) x^2 + f(x) x - x^2 + f(x) - x - 2)$$

Sequence: A199929
Score: 12.1618
Type of gen. func.: ogf

$$\frac{x^2 - 2 x + 2}{x^4 - x^3 + 5 x^2 + x + 1}$$

Sequence: A199929
Score: 13.2554
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - 7 x^4 + 12 x^3 - 17 x^2 + 18 x + 4}{(x^2 - 2 x + 2) (x^4 - x^3 + 5 x^2 + x + 1)}$$

Sequence: A199929
Score: 6.12527
Type of gen. func.: ogf

$$-(141 f(x) - 178) (f(x) x^4 - f(x) x^3 + 5 f(x) x^2 + f(x) x - x^2 + f(x) + 2 x - 2)$$

Sequence: A199930
Score: 12.5211
Type of gen. func.: ogf

$$\frac{2 x^2 - x + 1}{x^4 - x^3 + 5 x^2 + x + 1}$$

Sequence: A199930
Score: 14.0512
Type of gen. func.: lgdogf

$$- \frac{4 x^5 - 5 x^4 + 6 x^3 - 10 x^2 + 6 x + 2}{(2 x^2 - x + 1) (x^4 - x^3 + 5 x^2 + x + 1)}$$

Sequence: A199930
Score: 6.49593
Type of gen. func.: ogf

$$(312 f(x) - 101) (f(x) x^4 - f(x) x^3 + 5 f(x) x^2 + f(x) x - 2 x^2 + f(x) + x - 1)$$

Sequence: A199931
Score: 11.8071
Type of gen. func.: ogf

$$\frac{x^2 + x - 1}{x^4 - x^3 + 5 x^2 + x + 1}$$

Sequence: A199931
Score: 13.4397
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 2 x^4 - 6 x^3 + 7 x^2 - 12 x - 2}{(x^2 + x - 1) (x^4 - x^3 + 5 x^2 + x + 1)}$$

Sequence: A199931
Score: 5.99034
Type of gen. func.: ogf

$$-(264 f(x) - 89) (f(x) x^4 - f(x) x^3 + 5 f(x) x^2 + f(x) x - x^2 + f(x) - x + 1)$$

Sequence: A199933
Score: 12.3167
Type of gen. func.: ogf

$$\frac{2 x^2 + 2 x + 1}{x^4 - x^3 + 5 x^2 + x + 1}$$

Sequence: A199933
Score: 14.6835
Type of gen. func.: lgdogf

$$-\frac{4 x^5 + 4 x^4 + 5 x^2 + 6 x - 1}{(2 x^2 + 2 x + 1) (x^4 - x^3 + 5 x^2 + x + 1)}$$

Sequence: A199933
Score: 6.58801
Type of gen. func.: ogf

$$(3 f(x) - 5) (f(x) x^4 - f(x) x^3 + 5 f(x) x^2 + f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A199935
Score: 10.9708
Type of gen. func.: ogf

$$-\frac{x^2 (x - 2)}{(x - 1) (x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A199935
Score: 12.6875
Type of gen. func.: lgdogf

$$-\frac{4 x^5 - 13 x^4 + 6 x^3 + 9 x^2 - 12 x + 5}{(x - 1) (x - 2) (x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A199944
Score: 11.1784
Type of gen. func.: lgdogf

$$-\frac{2 (13 x^4 + 48 x^3 + 78 x^2 + 44 x + 9)}{(x - 1) (x + 1) (13 x^3 + 19 x^2 + 15 x + 1)}$$

Sequence: A199944
Score: 8.67375
Type of gen. func.: ogf

$$\frac{2 (13 x^3 + 19 x^2 + 15 x + 1)}{(x + 1) (x - 1)^4}$$

Sequence: A199945
Score: 3.75922
Type of gen. func.: ogf

```
         9        8        7         6         5         4        3        2
- 2 (78 x  + 303 x  + 825 x  + 1436 x  + 1731 x  + 1408 x  + 803 x  + 276 x

                     /         2   2         2        5
```

$$+ 51 x + 1) \Big/ ((x + 1) (x + x + 1) (x - 1))$$

Sequence: A199969
Score: 13.3582
Type of gen. func.: ogf

$$f(x) x^{2} + x^{3} - 2 f(x) x - 2 x^{2} + f(x)$$

Sequence: A199969
Score: 17.8949
Type of gen. func.: ogf

$$- \frac{x^{2} (x - 2)}{(x - 1)^{2}}$$

Sequence: A199969
Score: 39.2816
Type of gen. func.: lgdogf

$$- \frac{x - 3}{(x - 1) (x - 2)}$$

Sequence: A199969
Score: 8.46812
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) + a(n + 2), a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 3\}$$

Sequence: A199972
Score: 11.8753
Type of gen. func.: lgdogf

$$\frac{2 x^{4} - 8 x^{3} + 11 x^{2} - 2 x - 9}{(x - 1) (2 x^{4} - 5 x^{3} + 4 x^{2} - 3 x + 4)}$$

Sequence: A199972
Score: 8.33292
Type of gen. func.: ogf

$$-\frac{x^2 (2 x^4 - 5 x^3 + 4 x^2 - 3 x + 4)}{(x - 1)^3}$$

Sequence: A199979
Score: 3.61434
Type of gen. func.: ogf

$$-(10 f(x) x^2 - 11 f(x) x + 100 x^2 + f(x) - 100 x - 1) (333667 f(x)^2 x - 37037 f(x)^2 + 7554880 f(x) x - 381803 f(x) + 42713800 x + 418840)$$

Sequence: A200028
Score: 9.98817
Type of gen. func.: ogf

$$-f(x)^3 x - 2 f(x)^2 x^2 - f(x) x^3 + f(x) - 1$$

Sequence: A200029
Score: 9.61671
Type of gen. func.: ogf

$$-f(x)^3 x - f(x)^2 x^2 - f(x) x^3 + f(x) - 1$$

Sequence: A200030
Score: 10.8188
Type of gen. func.: ogf

$$f(x)^3 x - 2 f(x)^2 x^2 + f(x) x^3 - f(x) + 1$$

Sequence: A200031
Score: 12.6415
Type of gen. func.: ogf

$$-f(x)^2 x - 3 f(x) x + f(x) - x - 1$$

Sequence: A200031
Score: 13.0560
Type of gen. func.: revogf

$$-\frac{3 x}{2} - 1/2 + \frac{(5 x^2 + 10 x + 1)^{1/2}}{2}$$

Sequence: A200031
Score: 22.3964
Type of gen. func.: revogf

$$-\frac{3 x}{2} - 1/2 + \frac{(5 x^2 + 10 x + 1)^{1/2}}{2}$$

Sequence: A200031
Score: 3.72156
Type of gen. func.: ogf

$$\{(25 n^2 + 25 n) a(n) + (-45 n^2 - 105 n - 60) a(n + 1) + (-5 n^2 - 35 n - 60) a(n + 2) + (n^2 + 7 n + 12) a(n + 3), a(0) = 1, a(1) = 5, a(2) = 25\}$$

Sequence: A200039
Score: 12.2505
Type of gen. func.: lgdogf

$$-\frac{-15 x^2 - 14 x - 7}{-5 x^3 - x^2 + 5 x + 1}$$

Sequence: A200039
Score: 13.9402

Type of gen. func.: ogf

$$-\frac{2\,x\,(5\,x+1)}{(x+1)\,(x-1)^{3}}$$

Sequence: A200039
Score: 22.1384
Type of gen. func.: lgdogf

$$-\frac{15\,x^{2}+14\,x+7}{(x-1)\,(5\,x+1)\,(x+1)}$$

Sequence: A200039
Score: 4.06297
Type of gen. func.: ogf

$$\{(-3-n)\,a(n+4)+(-3-5\,n)\,a(n+3)+(15+n)\,a(n+2)$$
$$+(15+5\,n)\,a(n+1),\ a(0)=0,\ a(1)=2,\ a(2)=14,\ a(3)=28\}$$

Sequence: A200039
Score: 6.68207
Type of gen. func.: ogf

$$-(68796\,f(x)-567337)\,(f(x)\,x^{4}-2\,f(x)\,x^{3}+2\,f(x)\,x+10\,x^{2}-f(x)+2\,x)$$

Sequence: A200040
Score: 3.66275
Type of gen. func.: ogf

$$2\,(36\,x^{11}+79\,x^{10}+138\,x^{9}+191\,x^{8}+243\,x^{7}+240\,x^{6}+212\,x^{5}+152\,x^{4}$$
$$+93\,x^{3}+41\,x^{2}+14\,x+1)\Big/\Big((x^{4}+x^{3}+x^{2}+x+1)\,(x+1)$$
$$(x^{2}+x+1)^{2}\,(x-1)^{4}\Big)$$

Sequence: A200047

Score: 12.5690
Type of gen. func.: ogf

$$\frac{x (x - 1)^2}{(x^2 + x - 1) (x^3 + x - 1)}$$

Sequence: A200047
Score: 16.1912
Type of gen. func.: lgdogf

$$- \frac{x (3 x^4 - 3 x^3 - 4 x^2 + 2)}{(x - 1) (x^2 + x - 1) (x^3 + x - 1)}$$

Sequence: A200047
Score: 9.72601
Type of gen. func.: lgdogf

$$- \frac{3 x^5 - 3 x^4 - 4 x^3 + 2 x}{x^6 - x^4 - 2 x^2 + 3 x - 1}$$

Sequence: A200048
Score: 6.10870
Type of gen. func.: ogf

$$\frac{x^6 + 25 x^5 + 110 x^4 + 196 x^3 + 149 x^2 + 55 x + 4}{(x + 1)^3 (x - 1)^4}$$

Sequence: A200058
Score: 7.61167
Type of gen. func.: ogf

$$\frac{2 (x^2 + 3 x + 1) (x^2 + x + 2)}{(x^2 + x + 1) (x - 1)^4}$$

Sequence: A200058
Score: 9.38229
Type of gen. func.: lgdogf

$$-\frac{2x^6+15x^5+39x^4+69x^3+63x^2+39x+13}{(x-1)(x^2+x+1)(x^2+3x+1)(x^2+x+2)}$$

Sequence: A200059
Score: 4.57725
Type of gen. func.: ogf

$$-2(x^9+10x^8+51x^7+105x^6+159x^5+168x^4+135x^3+76x^2+28x+3) \Big/ \left((x^2+1)(x^2+x+1)(x+1)^2(x-1)^5\right)$$

Sequence: A200067
Score: 12.5918
Type of gen. func.: lgdogf

$$-\frac{5x^5+8x^4+11x^3+15x^2+6x+3}{(x-1)(x+1)(x^2+1)(x^2+x+1)}$$

Sequence: A200067
Score: 27.7796
Type of gen. func.: ogf_with_Euler_transform]

$$-x^3+2x^2+3$$

Sequence: A200067
Score: 6.92126
Type of gen. func.: ogf

$$\frac{x^3(x^2+1)(x+1)}{(x^2+x+1)^2(x-1)^4}$$

Sequence: A200069
Score: 14.7368
Type of gen. func.: lgdogf

$$-\frac{-26 x - 4}{-13 x^2 - 4 x + 1}$$

Sequence: A200069
Score: 21.6718
Type of gen. func.: ogf

$$-\frac{1}{13 x^2 + 4 x - 1}$$

Sequence: A200069
Score: 27.8576
Type of gen. func.: lgdogf

$$-\frac{2 (2 + 13 x)}{13 x^2 + 4 x - 1}$$

Sequence: A200069
Score: 8.37319
Type of gen. func.: ogf

$$-(21 f(x) - 13) (13 f(x) x^2 + 4 f(x) x - f(x) + 1)$$

Sequence: A200069
Score: 8.87759
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 13 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A200074

Score: 10.9487
Type of gen. func.: ogf

$$-f(x)^3 x^3 - f(x)^2 x - f(x) x^2 + f(x) - 1$$

Sequence: A200141
Score: 11.4027
Type of gen. func.: ogf

$$-\frac{4 x^6 + 5 x^5 + 3 x^4 + 5 x^3 + 8 x^2 + x + 1}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A200142
Score: 13.1223
Type of gen. func.: lgdegf]

$$-\frac{15 x + 10}{6 x^2 - x - 1}$$

Sequence: A200142
Score: 24.7905
Type of gen. func.: lgdegf]

$$-\frac{5 (2 + 3 x)}{(1 + 3 x) (2 x - 1)}$$

Sequence: A200142
Score: 5.70534
Type of gen. func.: ogf

$$\{(-2 n^2 - 13 n - 21) a(n + 1) + (n + 2) a(n + 2), a(0) = 3, a(1) = 30\}$$

Sequence: A200155
Score: 6.14575
Type of gen. func.: ogf

7 6 4 3 2

$$-\frac{x - 2x - 4x + 2x - 8x - x - 4}{(x^2 + x + 1)^2 (x - 1)^4}$$

Sequence: A200166
Score: 11.1784
Type of gen. func.: lgdogf

$$-\frac{36 x^4 + 99 x^3 + 155 x^2 + 77 x + 17}{(x - 1) (x + 1) (18 x^3 + 15 x^2 + 14 x + 1)}$$

Sequence: A200166
Score: 7.20085
Type of gen. func.: lgdogf

$$-\frac{-36 x^4 - 99 x^3 - 155 x^2 - 77 x - 17}{-18 x^5 - 15 x^4 + 4 x^3 + 14 x^2 + 14 x + 1}$$

Sequence: A200166
Score: 8.67375
Type of gen. func.: ogf

$$\frac{2 (18 x^3 + 15 x^2 + 14 x + 1)}{(x + 1) (x - 1)^4}$$

Sequence: A200182
Score: 12.5496
Type of gen. func.: lgdogf

$$-\frac{2 (x^6 - 3 x^5 + x^3 + 2 x^2 + 5 x + 3)}{(x - 1) (x^2 + x + 1) (2 x^4 - 5 x^3 + 2 x^2 + 3)}$$

Sequence: A200182
Score: 9.76939

Type of gen. func.: ogf

$$-\frac{2x^4-5x^3+2x^2+3}{(x^2+x+1)(x-1)^3}$$

Sequence: A200183
Score: 5.71178
Type of gen. func.: ogf

$$-\frac{x^9+2x^8-3x^6-x^5+2x^4+10x^3+13x^2+12x+2}{(x^2+1)(x^2+x+1)(x+1)^2(x-1)^3}$$

Sequence: A200184
Score: 5.06762
Type of gen. func.: ogf

$$-\frac{2x^{11}-5x^9-4x^8+4x^7+5x^6+2x^5-x^4-4x^3-8x^2-9x-6}{(x+1)(x^2+x+1)(x^4+x^3+x^2+x+1)(x-1)^4}$$

Sequence: A200193
Score: 7.61167
Type of gen. func.: ogf

$$\frac{2(x^2+3x+1)(2x^2+x+1)}{(x^2+x+1)(x-1)^4}$$

Sequence: A200193
Score: 9.26925
Type of gen. func.: lgdogf

$$-\frac{4x^6+27x^5+51x^4+67x^3+57x^2+27x+7}{(x-1)(x^2+x+1)(x^2+3x+1)(2x^2+x+1)}$$

Sequence: A200194
Score: 4.63288
Type of gen. func.: ogf

$$-2x(3x^8+26x^7+79x^6+133x^5+171x^4+155x^3+109x^2+48x+12) \Big/ \left((x^2+1)(x^2+x+1)(x+1)^2(x-1)^5\right)$$

Sequence: A200205
Score: 5.41395
Type of gen. func.: ogf

$$\frac{2(3x^6+9x^5+26x^4+47x^3+31x^2+22x+6)}{(x^2+x+1)^2(x-1)^4}$$

Sequence: A200220
Score: 8.98001
Type of gen. func.: ogf

$$-\frac{x^4-x^3-x^2+x+1}{x^6-x^5-x^4+4x^3+3x^2-1}$$

Sequence: A200249
Score: 10.3783
Type of gen. func.: lgdogf

$$-\frac{-2x^2-8x-7}{-2x^3-7x^2-5x+2}$$

Sequence: A200249
Score: 14.7603
Type of gen. func.: ogf

$$-\frac{3(x+2)}{2}$$

$$2 x + 3 x - 1$$

Sequence: A200249
Score: 19.1618
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 8 x + 7}{(x + 2) (2 x^2 + 3 x - 1)}$$

Sequence: A200249
Score: 7.29905
Type of gen. func.: ogf

$$-(29 f(x) - 27) (2 f(x) x^2 + 3 f(x) x - f(x) + 3 x + 6)$$

Sequence: A200249
Score: 8.00255
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) + 2 a(n), a(0) = 6, a(1) = 21\}$$

Sequence: A200250
Score: 4.28624
Type of gen. func.: ogf

$$-\frac{(x + 2) (x^2 + 2 x + 2) (x^4 + 4 x^3 + 6 x^2 + 4 x + 2)}{x^8 + 7 x^7 + 21 x^6 + 35 x^5 + 36 x^4 + 24 x^3 + 9 x^2 + x - 1}$$

Sequence: A200252
Score: 10.1071
Type of gen. func.: lgdogf

$$-\frac{x^6 - 2 x^5 - 2 x^4 + 2 x^3 - 7 x^2 - 28 x - 12}{(x - 1) (x + 1) (x^5 - 2 x^4 - x^3 + 3 x^2 - 2 x - 5)}$$

Sequence: A200252
Score: 7.46423
Type of gen. func.: ogf

$$-\frac{x^5 - 2x^4 - x^3 + 3x^2 - 2x - 5}{(x + 1)^2 (x - 1)^4}$$

Sequence: A200253
Score: 4.29715
Type of gen. func.: ogf

$$-(x^{11} - 2x^{10} + 3x^8 - 2x^7 + 13x^6 + 12x^5 + 21x^4 + 13x^3 + 21x^2 + 8x + 8) \Big/ ((x^2 + 1)^2 (x + 1)^3 (x - 1)^5)$$

Sequence: A200258
Score: 12.8488
Type of gen. func.: ogf

$$\frac{4 (x + 8)}{x^2 - 47 x + 1}$$

Sequence: A200258
Score: 17.9716
Type of gen. func.: lgdogf

$$-\frac{(x + 29) (x - 13)}{(x + 8) (x^2 - 47 x + 1)}$$

Sequence: A200258
Score: 6.42442
Type of gen. func.: ogf

$$(17703 f(x) + 2020) (f(x) x^2 - 47 f(x) x + f(x) - 4 x - 32)$$

Sequence: A200258
Score: 6.94132
Type of gen. func.: ogf

$$\{-a(n+2) + 47\,a(n+1) - a(n),\ a(0) = 32,\ a(1) = 1508\}$$

Sequence: A200258
Score: 8.62707
Type of gen. func.: lgdogf

$$-\frac{x^2 + 16\,x - 377}{x^3 - 39\,x^2 - 375\,x + 8}$$

Sequence: A200310
Score: 8.38174
Type of gen. func.: ogf

$$\frac{x\,(x^5 + x^4 + x^3 + x + 1)}{(x - 1)\,(2\,x^2 - 1)\,(x^2 + x + 1)\,(x^2 - x + 1)}$$

Sequence: A200312
Score: 13.8151
Type of gen. func.: revogf

$$(-x + (-12\,x^2 + 1)^{1/2})\,x$$

Sequence: A200312
Score: 27.6906
Type of gen. func.: revogf

$$(-x + (-12\,x^2 + 1)^{1/2})\,x$$

Sequence: A200312
Score: 3.71944
Type of gen. func.: ogf

$$\{(48 n^2 + 192 n + 180) a(n + 1) + (4 n^2 + 22 n + 30) a(n + 2) + (-n^2 - 7 n - 12) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 8\}$$

Sequence: A200316
Score: 7.78582
Type of gen. func.: ogf

$$\frac{2 x^5 - 4 x^4 + 5 x^3 - 9 x^2 + 5 x - 1}{(2 x^2 - 4 x + 1) (x - 1)^3}$$

Sequence: A200316
Score: 8.47230
Type of gen. func.: lgdogf

$$- \frac{2 (6 x^6 - 16 x^5 - x^4 + 28 x^3 - 19 x^2 + 6 x - 1)}{(x - 1) (2 x^2 - 4 x + 1) (2 x^5 - 4 x^4 + 5 x^3 - 9 x^2 + 5 x - 1)}$$

Sequence: A200317
Score: 22.1679
Type of gen. func.: revegf]

$$-1 + \cos(x) + x$$

Sequence: A200317
Score: 63.3814
Type of gen. func.: revegf]

$$-1 + \cos(x) + x$$

Sequence: A200318
Score: 13.4829
Type of gen. func.: revegf]

$$-1/2 \exp(-x) - 1/2 \exp(x) + x + 1$$

Sequence: A200318
Score: 27.5134
Type of gen. func.: revegf]

$$-1/2 \exp(-x) - 1/2 \exp(x) + x + 1$$

Sequence: A200319
Score: 20.3657
Type of gen. func.: revegf]

$$x + 1 - \exp(x^2)$$

Sequence: A200319
Score: 60.1157
Type of gen. func.: revegf]

$$x + 1 - \exp(x^2)$$

Sequence: A200320
Score: 17.5752
Type of gen. func.: revegf]

$$x + 1 - \exp\left(\frac{x^2}{2}\right)$$

Sequence: A200320
Score: 47.5706
Type of gen. func.: revegf]

$$x + 1 - \exp\left(\frac{x^2}{2}\right)$$

Sequence: A200375
Score: 17.7709
Type of gen. func.: revogf

```
                         2     1/2
             (-x + (-8 x  + 1)   ) x
```

Sequence: A200375
Score: 36.5273
Type of gen. func.: revogf

```
                         2     1/2
             (-x + (-8 x  + 1)   ) x
```

Sequence: A200375
Score: 4.68683
Type of gen. func.: ogf

```
        2                                 2
{(-32 n  - 128 n - 120) a(n + 1) + (-4 n  - 22 n - 30) a(n + 2)

          2
     + (n  + 7 n + 12) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 6}
```

Sequence: A200376
Score: 11.1713
Type of gen. func.: lgdogf

```
                3        2     1/2
          -72 x  + (-8 x  + 1)    + 9 x
          -----------------------------
                     4       2
                 72 x  - 17 x  + 1
```

Sequence: A200376
Score: 14.0085
Type of gen. func.: ogf

```
                 2  2        2
        9 f(x)  x  - f(x)  + 2 f(x) x + 1
```

Sequence: A200376
Score: 15.7964
Type of gen. func.: lgdogf

```
                3        2     1/2
          -72 x  + (-8 x  + 1)    + 9 x
          ------------------------------
                                     2
```

```
                          (3 x - 1) (1 + 3 x) (8 x  - 1)
```

Sequence: A200380
Score: 24.3068
Type of gen. func.: lgdegf]

```
                                             2
                              1 + 2 x - 1/2 x
```

Sequence: A200380
Score: 4.49606
Type of gen. func.: ogf

```
     2
{(-n  - 5 n - 6) a(n + 1) + (4 n + 12) a(n + 2) - 2 a(n + 4) + 2 a(n + 3),

    a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 6}
```

Sequence: A200380
Score: 60.5928
Type of gen. func.: lgdegf]

```
                                             2
                              1 + 2 x - 1/2 x
```

Sequence: A200407
Score: 8.31383
Type of gen. func.: ogf

```
                              4       3        2
                    (x - 1) (x  + 10 x  + 141 x  + 10 x + 1)
                  - ----------------------------------------
                                  6        3
                                 x  - 340 x  + 1
```

Sequence: A200408
Score: 10.8058
Type of gen. func.: ogf

```
                               3      2
                              x  - 7 x  + 13 x + 1
                       - -------------------------------
                                                2
                         (x - 1) (x + 1) (x  - 3 x + 1)
```

Sequence: A200408
Score: 5.90946
Type of gen. func.: ogf

$$(49297 f(x) - 33269)$$

$$(f(x) x^4 - 3 f(x) x^3 + x^3 + 3 f(x) x - 7 x^2 - f(x) + 13 x + 1)$$

Sequence: A200408
Score: 8.74212
Type of gen. func.: lgdogf

$$- \frac{x^6 - 14 x^5 + 60 x^4 - 80 x^3 + 15 x^2 - 14 x + 16}{(x - 1) (x + 1) (x^2 - 3 x + 1) (x^3 - 7 x^2 + 13 x + 1)}$$

Sequence: A200409
Score: 7.76524
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + 38 x^3 + 533 x^2 + 38 x + 1)}{x^6 - 340 x^3 + 1}$$

Sequence: A200431
Score: 11.0180
Type of gen. func.: ogf

$$\frac{4 x (3 x + 5)}{(x - 1)^4}$$

Sequence: A200431
Score: 15.0654
Type of gen. func.: lgdogf

$$- \frac{9 x + 23}{3 x^2 + 2 x - 5}$$

Sequence: A200431
Score: 31.6285
Type of gen. func.: lgdogf

$$-\frac{9 x + 23}{(3 x + 5) (x - 1)}$$

Sequence: A200431
Score: 4.82487
Type of gen. func.: ogf

{(10 + 5 n) a(n + 3) + (-25 - 2 n) a(n + 2) + (-9 - 3 n) a(n + 1), a(0) = 0,

a(1) = 20, a(2) = 92}

Sequence: A200431
Score: 5.27289
Type of gen. func.: ogf

$$(2501120 f(x) + 35635581)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 12 x^2 + f(x) - 20 x)$$

Sequence: A200432
Score: 10.9784
Type of gen. func.: lgdogf

$$-\frac{9 x^2 + 54 x + 52}{3 x^3 + 9 x^2 - 4 x - 8}$$

Sequence: A200432
Score: 19.3046
Type of gen. func.: lgdogf

$$-\frac{9 x^2 + 54 x + 52}{(x - 1) (3 x^2 + 12 x + 8)}$$

Sequence: A200432
Score: 3.55182
Type of gen. func.: ogf

$$\{(24 + 8 n) a(n + 4) + (-44 + 4 n) a(n + 3) + (-63 - 9 n) a(n + 2) + (-9 - 3 n) a(n + 1), a(0) = 0, a(1) = 80, a(2) = 520, a(3) = 1830\}$$

Sequence: A200432
Score: 8.32841
Type of gen. func.: ogf

$$-\frac{10 x (3 x^2 + 12 x + 8)}{(x - 1)^5}$$

Sequence: A200433
Score: 10.7357
Type of gen. func.: lgdogf

$$-\frac{2 (54 x^3 + 452 x^2 + 799 x + 279)}{(x - 1) (36 x^3 + 199 x^2 + 240 x + 53)}$$

Sequence: A200433
Score: 6.15419
Type of gen. func.: ogf

$$\frac{4 x (36 x^3 + 199 x^2 + 240 x + 53)}{(x - 1)^6}$$

Sequence: A200433
Score: 6.92346
Type of gen. func.: lgdogf

$$-\frac{108 x^3 + 904 x^2 + 1598 x + 558}{36 x^4 + 163 x^3 + 41 x^2 - 187 x - 53}$$

Sequence: A200434
Score: 4.78701
Type of gen. func.: ogf

$$-\frac{2 x (303 x^4 + 2784 x^3 + 5520 x^2 + 2870 x + 297)}{(x - 1)^7}$$

Sequence: A200435
Score: 3.91163
Type of gen. func.: ogf

$$\frac{2 x (1053 x^5 + 15963 x^4 + 57919 x^3 + 61141 x^2 + 17584 x + 964)}{(x - 1)^8}$$

Sequence: A200436
Score: 3.18063
Type of gen. func.: ogf

$$- 2 x (4044 x^6 + 92708 x^5 + 536812 x^4 + 993850 x^3 + 601789 x^2 + 104914 x + 3390) / (x - 1)^9$$

Sequence: A200439
Score: 11.5891
Type of gen. func.: ogf

$$\frac{(1 + 3 x) (2 x^2 - x - 2)}{(x - 1) (x + 1)}$$

Sequence: A200439
Score: 12.3713
Type of gen. func.: lgdogf

$$\frac{6x^4 - 11x^2 + 6x + 7}{(x - 1)(1 + 3x)(x + 1)(2x^2 - x - 2)}$$

Sequence: A200439
Score: 6.88100
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 2), a(0) = 2, a(1) = 7, a(2) = 3, a(3) = 1\}$$

Sequence: A200439
Score: 7.68111
Type of gen. func.: ogf

$$(74 f(x) - 277)(f(x) x^2 - 6x^3 + x^2 - f(x) + 7x + 2)$$

Sequence: A200441
Score: 13.4294
Type of gen. func.: lgdogf

$$-\frac{2x - 33}{x^2 - 33x + 1}$$

Sequence: A200441
Score: 19.7491
Type of gen. func.: ogf

$$\frac{1}{x^2 - 33x + 1}$$

Sequence: A200441
Score: 28.7016
Type of gen. func.: lgdogf

$$-\frac{2x - 33}{x^2 - 33x + 1}$$

Sequence: A200441
Score: 7.89967
Type of gen. func.: ogf

$$(1087 f(x) + 2) (f(x) x^2 - 33 f(x) x + f(x) - 1)$$

Sequence: A200441
Score: 7.99370
Type of gen. func.: ogf

$$\{-a(n + 2) + 33 a(n + 1) - a(n), a(0) = 1, a(1) = 33\}$$

Sequence: A200442
Score: 12.9761
Type of gen. func.: lgdogf

$$-\frac{2 x - 31}{x^2 - 31 x + 1}$$

Sequence: A200442
Score: 19.0825
Type of gen. func.: ogf

$$\frac{1}{x^2 - 31 x + 1}$$

Sequence: A200442
Score: 27.7162
Type of gen. func.: lgdogf

$$-\frac{2 x - 31}{x^2 - 31 x + 1}$$

Sequence: A200442

Score: 7.72387
Type of gen. func.: ogf

$$\{-a(n + 2) + 31 a(n + 1) - a(n), a(0) = 1, a(1) = 31\}$$

Sequence: A200442
Score: 7.72388
Type of gen. func.: ogf

$$(959 f(x) + 2) (f(x) x^2 - 31 f(x) x + f(x) - 1)$$

Sequence: A200455
Score: 10.1720
Type of gen. func.: lgdogf

$$-\frac{6 x^3 + 9 x^2 + 16 x + 5}{3 x^4 + x^3 - x^2 - x - 2}$$

Sequence: A200455
Score: 13.5071
Type of gen. func.: ogf

$$-\frac{2 (3 x^2 + x + 2)}{(x + 1) (x - 1)^3}$$

Sequence: A200455
Score: 17.9674
Type of gen. func.: lgdogf

$$-\frac{6 x^3 + 9 x^2 + 16 x + 5}{(x - 1) (x + 1) (3 x^2 + x + 2)}$$

Sequence: A200455
Score: 6.80935
Type of gen. func.: ogf

$$(106812 f(x) - 909173) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x + 6 x^2 - f(x) + 2 x + 4)$$

Sequence: A200456
Score: 3.76360
Type of gen. func.: ogf

$$2 (x + 1) (9 x^9 + 9 x^8 + 39 x^7 + 52 x^6 + 72 x^5 + 63 x^4 + 65 x^3 + 31 x^2 + 18 x + 2) / ((x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A200528
Score: 3.65642
Type of gen. func.: ogf

$$- \frac{4 x^9 - 4 x^8 - 11 x^7 + 25 x^6 - x^5 - 38 x^4 + 31 x^3 + 13 x^2 - 22 x + 6}{(x - 1) (x + 1) (x^2 + x - 1) (x^4 - x^3 + 2 x - 1) (2 x - 1)^2}$$

Sequence: A200535
Score: 10.6806
Type of gen. func.: lgdogf

$$- \frac{4 x^4 - 9 x^3 + 7 x^2 - 5 x - 1}{-x^5 + 2 x^4 - 3 x^3 + 3 x^2 - 2 x + 1}$$

Sequence: A200535
Score: 12.0628
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1) (x^2 + 1)^2}{(x - 1)^2}$$

Sequence: A200535
Score: 20.1693
Type of gen. func.: lgdogf

$$\frac{4 x^4 - 9 x^3 + 7 x^2 - 5 x - 1}{(x - 1) (x^2 + 1) (x^2 - x + 1)}$$

Sequence: A200535
Score: 24.9205
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 - 2 x^3 + x^2 + 3 x + 1$$

Sequence: A200537
Score: 8.42689
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 1) (4 x^2 + 1) (4 x^3 + 1)}{(2 x^2 - 1)^2}$$

Sequence: A200541
Score: 8.62831
Type of gen. func.: lgdogf

$$-\frac{3 x^8 + 2 x^7 - x^6 - 2 x^5 + 6 x^4 - 10 x^3 - 13 x^2 - 6 x - 1}{(x^3 + x^2 - 1) (x^6 - x^5 + 2 x^4 + 5 x^3 + 4 x^2 + x - 1)}$$

Sequence: A200541
Score: 9.36285
Type of gen. func.: ogf

$$\frac{x^3 + x^2 - 1}{x^6 - x^5 + 2 x^4 + 5 x^3 + 4 x^2 + x - 1}$$

Sequence: A200543
Score: 10.5637
Type of gen. func.: ogf

$$-\frac{(x+1)(x^2+2x-1)}{(x^3+x^2+3x-1)(x^3-x^2-x-1)}$$

Sequence: A200543
Score: 9.61209
Type of gen. func.: lgdogf

$$-\frac{3x^8+12x^7+6x^6-12x^4-12x^3+18x^2+1}{(x+1)(x^2+2x-1)(x^3+x^2+3x-1)(x^3-x^2-x-1)}$$

Sequence: A200544
Score: 18.0236
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x-1}{-x^2-x+1}$$

Sequence: A200554
Score: 5.43973
Type of gen. func.: ogf

$$\frac{2(2x^6+9x^5+24x^4+47x^3+31x^2+24x+7)}{(x^2+x+1)^2(x-1)^4}$$

Sequence: A200555
Score: 3.80134
Type of gen. func.: ogf

$$-2(4x^9+37x^8+205x^7+544x^6+912x^5+1046x^4+826x^3+426x^2+127x+13) / ((x+1)^2(x^2+x+1)^2(x-1)^5)$$

Sequence: A200561
Score: 14.2215
Type of gen. func.: lgdogf

$$-\frac{-24 x^2 - 4 x + 1}{-8 x^3 - 2 x^2 + x + 1}$$

Sequence: A200561
Score: 22.5462
Type of gen. func.: ogf

$$-\frac{2}{(2 x - 1) (4 x^2 + 3 x + 1)}$$

Sequence: A200561
Score: 25.2764
Type of gen. func.: lgdogf

$$-\frac{24 x^2 + 4 x - 1}{(2 x - 1) (4 x^2 + 3 x + 1)}$$

Sequence: A200561
Score: 8.25354
Type of gen. func.: ogf

{-a(n + 3) - a(n + 2) + 2 a(n + 1) + 8 a(n), a(0) = 2, a(1) = -2, a(2) = 6}

Sequence: A200561
Score: 9.24395
Type of gen. func.: ogf

$$(5 f(x) - 16) (8 f(x) x^3 + 2 f(x) x^2 - f(x) x - f(x) + 2)$$

Sequence: A200562
Score: 11.8755
Type of gen. func.: lgdogf

$$-\frac{64 x^4 + 32 x^3 - 12 x^2 + 12 x + 3}{(2 x + 1) (2 x - 1) (4 x - 1) (4 x^2 + 3 x + 1)}$$

Sequence: A200562
Score: 12.1429
Type of gen. func.: lgdogf

$$-\frac{-24 x^2 - 4 x + 1}{-8 x^3 - 2 x^2 + x + 1}$$

Sequence: A200562
Score: 21.3321
Type of gen. func.: ogf

$$-\frac{1}{(2 x - 1) (4 x^2 + 3 x + 1)}$$

Sequence: A200562
Score: 7.04721
Type of gen. func.: ogf

{-a(n + 3) - a(n + 2) + 2 a(n + 1) + 8 a(n), a(0) = 1, a(1) = -1, a(2) = 3}

Sequence: A200562
Score: 7.9726
Type of gen. func.: ogf

$$(5 f(x) - 8) (8 f(x) x^3 + 2 f(x) x^2 - f(x) x - f(x) + 1)$$

Sequence: A200563
Score: 14.9039
Type of gen. func.: ogf

$$-\frac{2 (4 x + 1)}{(2 x - 1) (4 x^2 + 3 x + 1)}$$

Sequence: A200563
Score: 15.4617
Type of gen. func.: lgdogf

$$-\frac{64 x^3 + 32 x^2 + 4 x + 3}{(4 x + 1) (2 x - 1) (4 x^2 + 3 x + 1)}$$

Sequence: A200563
Score: 7.05272
Type of gen. func.: ogf

$$-(317 f(x) - 1712) (8 f(x) x^3 + 2 f(x) x^2 - f(x) x - f(x) + 8 x + 2)$$

Sequence: A200563
Score: 7.05272
Type of gen. func.: ogf

$$\{a(n + 3) + a(n + 2) - 2 a(n + 1) - 8 a(n), a(0) = 2, a(1) = 6, a(2) = -2\}$$

Sequence: A200563
Score: 9.40363
Type of gen. func.: lgdogf

$$-\frac{-64 x^3 - 32 x^2 - 4 x - 3}{-32 x^4 - 16 x^3 + 2 x^2 + 5 x + 1}$$

Sequence: A200572
Score: 7.82642
Type of gen. func.: ogf

$$2 (x^2 + x - 1) (x + 1)^2$$

$$-\frac{}{2x^5+3x^4-x^3-x^2-2x+1}$$

Sequence: A200572
Score: 7.84892
Type of gen. func.: lgdogf

$$-\frac{2x^7+10x^6+12x^5-6x^4-6x^3+4x^2-5x+3}{(x+1)(x^2+x-1)(2x^5+3x^4-x^3-x^2-2x+1)}$$

Sequence: A200581
Score: 6.31918
Type of gen. func.: ogf

$$-\frac{297(x^3-123x^2-15005x-1)}{(x^2+1364x-1)(x^2-1364x-1)}$$

Sequence: A200582
Score: 7.33779
Type of gen. func.: ogf

$$\frac{297(x^3-15005x^2+123x+1)}{(x^2+1364x-1)(x^2-1364x-1)}$$

Sequence: A200613
Score: 4.64616
Type of gen. func.: ogf

$$64f(x)^2x^4-48f(x)^2x^3+12f(x)^2x^2+80f(x)x^3-f(x)^2x-72f(x)x^2$$

$$+21f(x)x+25x^2-2f(x)-14x+2$$

Sequence: A200661
Score: 8.26569
Type of gen. func.: ogf

$$-\frac{(x^2 + 1)(x^4 - x^3 - 2x^2 + x + 2)}{(x - 1)(x^6 - x^4 - x^3 - x^2 + 1)}$$

Sequence: A200672
Score: 13.6444
Type of gen. func.: ogf

$$\frac{x^2 + x + 1}{(x - 1)(2x^3 - 1)}$$

Sequence: A200672
Score: 13.8445
Type of gen. func.: lgdogf

$$-\frac{4x^5 + 4x^4 + 4x^3 - 5x^2 - 2x - 2}{(x - 1)(2x^3 - 1)(x^2 + x + 1)}$$

Sequence: A200672
Score: 7.43132
Type of gen. func.: ogf

$$(13 f(x) + 9)(2 f(x) x^4 - 2 f(x) x^3 - f(x) x - x^2 + f(x) - x - 1)$$

Sequence: A200672
Score: 9.90843
Type of gen. func.: lgdogf

$$-\frac{4x^5 + 4x^4 + 4x^3 - 5x^2 - 2x - 2}{2x^6 - 3x^3 + 1}$$

Sequence: A200674
Score: 10.2365

Type of gen. func.: ogf

$$\frac{x (x + 1) (2 x - 1)}{(x - 1) (6 x - 1) (3 x - 1)}$$

Sequence: A200674
Score: 5.15614
Type of gen. func.: ogf

$$\{-a(n + 4) + 10 a(n + 3) - 27 a(n + 2) + 18 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 9, a(3) = 61\}$$

Sequence: A200674
Score: 5.70557
Type of gen. func.: ogf

$$(412 f(x) - 297) (18 f(x) x^3 - 27 f(x) x^2 - 2 x^3 + 10 f(x) x - x^2 - f(x) + x)$$

Sequence: A200674
Score: 6.56678
Type of gen. func.: lgdogf

$$-\frac{36 x^4 + 36 x^3 - 101 x^2 + 58 x - 9}{36 x^5 - 36 x^4 - 25 x^3 + 35 x^2 - 11 x + 1}$$

Sequence: A200674
Score: 8.23811
Type of gen. func.: lgdogf

$$-\frac{36 x^4 + 36 x^3 - 101 x^2 + 58 x - 9}{(x - 1) (6 x - 1) (3 x - 1) (2 x - 1) (x + 1)}$$

Sequence: A200675
Score: 11.1527
Type of gen. func.: lgdogf

6 5 4 3 2

$$-\frac{2 x + 4 x + 6 x + 8 x + 3 x + 2 x + 1}{(x + 1) (x^{2} + 1) (2 x^{4} - 1)}$$

Sequence: A200675
Score: 12.4083
Type of gen. func.: ogf

$$-\frac{(x^{2} + 1) (x + 1)}{2 x^{4} - 1}$$

Sequence: A200675
Score: 8.03718
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1\}$$

Sequence: A200675
Score: 8.95282
Type of gen. func.: ogf

$$-f(x) (2 f(x) x^{4} + x^{3} + x^{2} - f(x) + x + 1)$$

Sequence: A200676
Score: 11.9407
Type of gen. func.: ogf

$$-\frac{3 x^{2} - 5 x + 1}{x^{3} - 3 x^{2} + 5 x - 1}$$

Sequence: A200676
Score: 14.4358
Type of gen. func.: lgdogf

$$-\frac{x^{2} (3 x - 1) (x - 3)}{{}^{2} \qquad {}^{3} \quad {}^{2}}$$

$$(3 x - 5 x + 1) (x - 3 x + 5 x - 1)$$

Sequence: A200676
Score: 6.62165
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$$

Sequence: A200676
Score: 7.83205
Type of gen. func.: lgdogf

$$- \frac{3 x^4 - 10 x^3 + 3 x^2}{3 x^5 - 14 x^4 + 31 x^3 - 31 x^2 + 10 x - 1}$$

Sequence: A200676
Score: 8.18404
Type of gen. func.: ogf

$$-f(x) x^3 + 3 f(x) x^2 - 5 f(x) x - 3 x^2 + f(x) + 5 x - 1$$

Sequence: A200678
Score: 11.4748
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^7 + 2 x^6 + 2 x^5 + 2 x^4 - 3 x^3 - x^2 - x - 1)}{(x - 1) (x + 1) (x^2 + 1) (2 x^4 - 1)}$$

Sequence: A200678
Score: 12.3691
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)}{(x - 1) (2 x^4 - 1)}$$

Sequence: A200678
Score: 8.53468
Type of gen. func.: lgdogf

$$-\frac{-4 x^{7} - 4 x^{6} - 4 x^{5} - 4 x^{4} + 6 x^{3} + 2 x^{2} + 2 x + 2}{-2 x^{8} + 3 x^{4} - 1}$$

Sequence: A200715
Score: 12.1552
Type of gen. func.: ogf

$$-\frac{3 x^{2} - x + 1}{x^{3} - 3 x^{2} + x - 1}$$

Sequence: A200715
Score: 17.4019
Type of gen. func.: lgdogf

$$-\frac{x^{2} (3 x^{2} - 2 x + 3)}{(3 x^{2} - x + 1) (x^{3} - 3 x^{2} + x - 1)}$$

Sequence: A200715
Score: 6.74059
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 0, a(2) = 0\}$$

Sequence: A200715
Score: 8.33106
Type of gen. func.: ogf

$$-f(x) x^{3} + 3 f(x) x^{2} - f(x) x - 3 x^{2} + f(x) + x - 1$$

Sequence: A200715
Score: 8.33107
Type of gen. func.: lgdogf

$$-\frac{-3x^4+2x^3-3x^2}{-3x^5+10x^4-7x^3+7x^2-2x+1}$$

Sequence: A200724
Score: 13.5427
Type of gen. func.: lgdogf

$$-\frac{2x-35}{x^2-35x+1}$$

Sequence: A200724
Score: 19.9158
Type of gen. func.: ogf

$$\frac{1}{x^2-35x+1}$$

Sequence: A200724
Score: 28.9480
Type of gen. func.: lgdogf

$$-\frac{2x-35}{x^2-35x+1}$$

Sequence: A200724
Score: 7.96633
Type of gen. func.: ogf

$$(1223 f(x) + 2) (f(x) x^2 - 35 f(x) x + f(x) - 1)$$

Sequence: A200724
Score: 8.06115

Type of gen. func.: ogf

$$\{-a(n + 2) + 35\, a(n + 1) - a(n),\ a(0) = 1,\ a(1) = 35\}$$

Sequence: A200725
Score: 11.9146
Type of gen. func.: ogf

$$f(x)^3\, x^3 + f(x)^3\, x + x^2 - f(x) + 1$$

Sequence: A200739
Score: 12.5890
Type of gen. func.: ogf

$$-\frac{x^2 - 5\,x + 1}{x^3 - x^2 + 5\,x - 1}$$

Sequence: A200739
Score: 16.9186
Type of gen. func.: lgdogf

$$-\frac{x^2\,(x^2 - 10\,x + 3)}{(x^2 - 5\,x + 1)\,(x^3 - x^2 + 5\,x - 1)}$$

Sequence: A200739
Score: 6.98119
Type of gen. func.: ogf

$$\{a(n + 3) - 5\, a(n + 2) + a(n + 1) - a(n),\ a(0) = 1,\ a(1) = 0,\ a(2) = 0\}$$

Sequence: A200739
Score: 8.34708
Type of gen. func.: lgdogf

$$-\frac{x^4 - 10\,x^3 + 3\,x^2}{}$$

$5 \quad 4 \quad 3 \quad 2$

$$x - 6 x + 11 x - 27 x + 10 x - 1$$

Sequence: A200739
Score: 8.62843
Type of gen. func.: ogf

$$-f(x) x^{3} + f(x) x^{2} - 5 f(x) x - x^{2} + f(x) + 5 x - 1$$

Sequence: A200740
Score: 13.8293
Type of gen. func.: revogf

$$-\frac{(x^{2} - 2 x + 1 + ((x - 1) (x^{3} + x^{2} + 3 x - 1))^{1/2}) x}{2 (x - 1)}$$

Sequence: A200740
Score: 8.25713
Type of gen. func.: revogf

$$-\frac{(x^{2} + (x^{4} + 2 x^{2} - 4 x + 1)^{1/2} - 2 x + 1) x}{2 (x - 1)}$$

Sequence: A200751
Score: 33.6912
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{1}{2 x - 1}$$

Sequence: A200752
Score: 13.0675
Type of gen. func.: ogf

$$-\frac{x^{2} - 3 x + 1}{x^{3} - x^{2} + 3 x - 1}$$

Sequence: A200752
Score: 17.9588
Type of gen. func.: lgdogf

$$-\frac{x^2 (x^2 - 6 x + 3)}{(x^2 - 3 x + 1) (x^3 - x^2 + 3 x - 1)}$$

Sequence: A200752
Score: 7.24655
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 0, a(2) = 0}

Sequence: A200752
Score: 8.9564
Type of gen. func.: ogf

$$-f(x) x^3 + f(x) x^2 - 3 f(x) x - x^2 + f(x) + 3 x - 1$$

Sequence: A200752
Score: 8.95640
Type of gen. func.: lgdogf

$$-\frac{x^4 - 6 x^3 + 3 x^2}{x^5 - 4 x^4 + 7 x^3 - 11 x^2 + 6 x - 1}$$

Sequence: A200753
Score: 12.5906
Type of gen. func.: ogf

$$f(x)^3 x^2 - f(x)^3 x + f(x) - 1$$

Sequence: A200753
Score: 16.9724
Type of gen. func.: revogf

$$\frac{(1 + x^2 + ((x - 1) (x^3 + x^2 + 3 x - 1))^{1/2}) x}{2}$$

Sequence: A200753
Score: 9.28559
Type of gen. func.: revogf

$$\left(\frac{x^2}{2} + 1/2 + \frac{(x^4 + 2 x^2 - 4 x + 1)^{1/2}}{2}\right) x$$

Sequence: A200755
Score: 12.1117
Type of gen. func.: ogf

$$-1 + f(x) + f(x)^2 x^2 - f(x)^3 x$$

Sequence: A200755
Score: 16.7075
Type of gen. func.: revogf

$$-\frac{(1 + (4 x^3 - 4 x + 1)^{1/2}) x}{2 (x - 1) (x + 1)}$$

Sequence: A200755
Score: 9.40251
Type of gen. func.: revogf

$$-\frac{(1 + (4 x^3 - 4 x + 1)^{1/2}) x}{2 (x^2 - 1)}$$

Sequence: A200757
Score: 12.3852
Type of gen. func.: revogf

$$-\frac{-x^3 + 2x^2 - x}{-x^2 + x + 1}$$

Sequence: A200757
Score: 34.7890
Type of gen. func.: revogf

$$-\frac{x (x - 1)^2}{x^2 - x - 1}$$

Sequence: A200757
Score: 7.82223
Type of gen. func.: ogf

$$f(x)^3 x^2 + f(x)^2 x^2 - 2 f(x)^2 x - f(x) x + f(x) - 1$$

Sequence: A200759
Score: 4.21586
Type of gen. func.: ogf

$$-\frac{x^9 - x^8 + 2 x^7 - 3 x^6 - 3 x^4 + 4 x^3 + 5 x^2 - 10 x + 4}{(x - 1) (x^3 + x^2 + x - 1) (x^6 - x^5 + 2 x^4 - x^3 - 2 x^2 + 3 x - 1)}$$

Sequence: A200764
Score: 4.95824
Type of gen. func.: ogf

$$-\frac{x^8 - 2 x^7 - x^6 + 4 x^5 + 4 x^4 + 7 x^3 + 8 x^2 + 9 x + 5}{(x^2 + x + 1) (x + 1)^2 (x - 1)^5}$$

Sequence: A200781
Score: 13.9389
Type of gen. func.: lgdogf

$$-\frac{20 x^3 - 30 x^2 + 5}{5 x^4 - 10 x^3 + 5 x - 1}$$

Sequence: A200781
Score: 26.0438
Type of gen. func.: ogf

$$-\frac{1}{5 x^4 - 10 x^3 + 5 x - 1}$$

Sequence: A200781
Score: 9.79866
Type of gen. func.: ogf

$$(10 f(x) - 1) (5 f(x) x^4 - 10 f(x) x^3 + 5 f(x) x - f(x) + 1)$$

Sequence: A200782
Score: 13.6795
Type of gen. func.: ogf

$$\frac{1}{(x^3 - 3 x^2 + 1) (x^3 + 3 x^2 - 6 x + 1)}$$

Sequence: A200782
Score: 7.30609
Type of gen. func.: lgdogf

$$-\frac{-6 x^5 + 60 x^3 - 60 x^2 + 6}{-x^6 + 15 x^4 - 20 x^3 + 6 x - 1}$$

Sequence: A200783
Score: 16.7875
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(x^6-6x^5-6x^4+29x^3-6x^2-6x+1)}$$

Sequence: A200783
Score: 9.25665
Type of gen. func.: lgdogf

$$-\frac{7x^6-42x^5+140x^3-105x^2+7}{x^7-7x^6+35x^4-35x^3+7x-1}$$

Sequence: A200784
Score: 4.68284
Type of gen. func.: ogf

$$-\frac{2(256x^6-864x^5-108x^4+2226x^3-1512x^2-189x+228)}{(2x-1)(2x^2-2x-1)(2x^4-4x^3-6x^2+8x-1)}$$

Sequence: A200786
Score: 13.3871
Type of gen. func.: lgdogf

$$-\frac{x^4-6x^3+15x^2+75}{(x-1)(x^4-5x^3+10x^2-5x+16)}$$

Sequence: A200786
Score: 7.52050
Type of gen. func.: lgdogf

$$-\frac{-x^4+6x^3-15x^2-75}{-x^5+6x^4-15x^3+15x^2-21x+16}$$

Sequence: A200786
Score: 7.59803

Type of gen. func.: ogf

$$-\frac{x^4 - 5 x^3 + 10 x^2 - 5 x + 16}{(x - 1)^5}$$

Sequence: A200787
Score: 5.92180
Type of gen. func.: ogf

$$-\frac{x^5 - 6 x^4 + 15 x^3 - 24 x^2 - 24 x - 32}{(x - 1)^6}$$

Sequence: A200787
Score: 8.74623
Type of gen. func.: lgdogf

$$-\frac{x^5 - 7 x^4 + 21 x^3 - 51 x^2 - 168 x - 216}{(x - 1) (x^5 - 6 x^4 + 15 x^3 - 24 x^2 - 24 x - 32)}$$

Sequence: A200788
Score: 4.91110
Type of gen. func.: ogf

$$-\frac{x^6 - 7 x^5 + 21 x^4 - 30 x^3 + 126 x^2 + 174 x + 64}{(x - 1)^7}$$

Sequence: A200788
Score: 6.96679
Type of gen. func.: lgdogf

$$-\frac{x^6 - 8 x^5 + 28 x^4 - 36 x^3 + 540 x^2 + 1296 x + 622}{(x - 1) (x^6 - 7 x^5 + 21 x^4 - 30 x^3 + 126 x^2 + 174 x + 64)}$$

Sequence: A200789
Score: 3.99976
Type of gen. func.: ogf

$$-\frac{x^7 - 8 x^6 + 28 x^5 - 60 x^4 - 123 x^3 - 960 x^2 - 767 x - 128}{(x - 1)^8}$$

Sequence: A200790
Score: 3.57187
Type of gen. func.: ogf

$$-\frac{x^8 - 9 x^7 + 36 x^6 - 79 x^5 + 522 x^4 + 3294 x^3 + 6484 x^2 + 2853 x + 256}{(x - 1)^9}$$

Sequence: A200793
Score: 13.6680
Type of gen. func.: lgdegf]

$$-\frac{x I - I + (x^2 + 2 x - 1)^{1/2}}{x^2 (x^2 + 2 x - 1)^{1/2}}$$

Sequence: A200793
Score: 9.54354
Type of gen. func.: lgdegf]

$$-\frac{(x - 1) I}{(x^2 + 2 x - 1)^{1/2} x^2} - \frac{1}{x^2}$$

Sequence: A200833
Score: 4.07363
Type of gen. func.: ogf

$-(611 f(x) + 11110) ($

$$f(x) x^4 - f(x) x^3 + 2 f(x) x^2 + 16 x^3 - 4 f(x) x - 12 x^2 + f(x) + 30 x - 56$$

)

Sequence: A200833
Score: 7.59404
Type of gen. func.: ogf

$$-\frac{2\,(8\,x^3-6\,x^2+15\,x-28)}{x^4-x^3+2\,x^2-4\,x+1}$$

Sequence: A200834
Score: 4.93262
Type of gen. func.: ogf

$$-\frac{25\,x^5-20\,x^4+73\,x^3-62\,x^2+90\,x-105}{(x-1)\,(x^5+3\,x^3+4\,x-1)}$$

Sequence: A200835
Score: 4.13521
Type of gen. func.: ogf

$$-\frac{2\,(18\,x^6-33\,x^5+50\,x^4-85\,x^3+44\,x^2-105\,x+88)}{x^7-2\,x^6+3\,x^5-5\,x^4+3\,x^3-6\,x^2+6\,x-1}$$

Sequence: A200839
Score: 12.4739
Type of gen. func.: lgdogf

$$-\frac{x^4-6\,x^3+12\,x^2-26\,x+69}{(x-1)\,(x^4-5\,x^3+9\,x^2-11\,x+16)}$$

Sequence: A200839
Score: 7.28329
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 6x^3 - 12x^2 + 26x - 69}{-x^5 + 6x^4 - 14x^3 + 20x^2 - 27x + 16}$$

Sequence: A200839
Score: 7.73380
Type of gen. func.: ogf

$$-\frac{x^4 - 5x^3 + 9x^2 - 11x + 16}{(x - 1)^5}$$

Sequence: A200840
Score: 6.03343
Type of gen. func.: ogf

$$-\frac{x^5 - 6x^4 + 14x^3 - 10x^2 + x - 32}{(x - 1)^6}$$

Sequence: A200840
Score: 9.44778
Type of gen. func.: lgdogf

$$-\frac{x^5 - 7x^4 + 18x^3 + 2x^2 - 15x - 191}{(x - 1)(x^5 - 6x^4 + 14x^3 - 10x^2 + x - 32)}$$

Sequence: A200841
Score: 5.08005
Type of gen. func.: ogf

$$-\frac{x^6 - 7x^5 + 22x^4 - 36x^3 - 3x^2 + 81x + 64}{(x - 1)^7}$$

Sequence: A200841

Score: 7.36071
Type of gen. func.: lgdogf

$$-\frac{x^6 - 8x^5 + 31x^4 - 56x^3 - 123x^2 + 480x + 529}{(x - 1)(x^6 - 7x^5 + 22x^4 - 36x^3 - 3x^2 + 81x + 64)}$$

Sequence: A200842
Score: 4.38183
Type of gen. func.: ogf

$$-\frac{x^7 - 8x^6 + 29x^5 - 74x^4 + 151x^3 - 74x^2 - 441x - 128}{(x - 1)^8}$$

Sequence: A200843
Score: 3.69602
Type of gen. func.: ogf

$$-\frac{x^8 - 9x^7 + 35x^6 - 77x^5 + 177x^4 - 679x^3 + 1313x^2 + 1753x + 256}{(x - 1)^9}$$

Sequence: A200844
Score: 5.45366
Type of gen. func.: ogf

$$-(x^9 - 10x^8 + 44x^7 - 94x^6 - 36x^5 + 622x^4 + 618x^3 - 10390x^2 - 6115x - 512) \Big/ (x - 1)^{10}$$

Sequence: A200850
Score: 12.6504
Type of gen. func.: lgdegf]

$$-\frac{1}{x^2} + \frac{I}{x^2 (2x^2 - 1)^{1/2}}$$

Sequence: A200850
Score: 15.9704
Type of gen. func.: lgdegf]

$$\frac{-(2 x^2 - 1)^{1/2} + I}{x^2 (2 x^2 - 1)^{1/2}}$$

Sequence: A200850
Score: 3.55792
Type of gen. func.: egf]

$$\{(2 n^2 + 4 n) a(n) + (6 + 4 n) a(n + 1) + (-n^2 - 5 n - 4) a(n + 2)$$
$$+ (-2 n - 6) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 1/2\}$$

Sequence: A200859
Score: 13.3932
Type of gen. func.: lgdogf

$$- \frac{450 x^3 + 15 x^2 - 28 x - 1}{(3 x - 1) (15 x - 2) (5 x - 1) (x + 1)}$$

Sequence: A200859
Score: 13.8101
Type of gen. func.: ogf

$$\frac{15 x - 2}{(3 x - 1) (5 x - 1) (x + 1)}$$

Sequence: A200859
Score: 6.27731
Type of gen. func.: ogf

$$-(1932521 f(x) + 3525750) (15 f(x) x^3 + 7 f(x) x^2 - 7 f(x) x + f(x) - 15 x + 2)$$

Sequence: A200859
Score: 6.66275
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 7 a(n + 1) + 15 a(n), a(0) = -2, a(1) = 1, a(2) = 21\}$$

Sequence: A200859
Score: 8.43949
Type of gen. func.: lgdogf

$$- \frac{-450 x^3 - 15 x^2 + 28 x + 1}{-225 x^4 - 75 x^3 + 119 x^2 - 29 x + 2}$$

Sequence: A200860
Score: 13.0327
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 682 x$$

Sequence: A200860
Score: 20.3844
Type of gen. func.: ogf

$$\frac{682 x}{(x - 1)^2}$$

Sequence: A200860
Score: 28.3926
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A200860
Score: 60.7198
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A200860
Score: 9.57823
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 682\}$$

Sequence: A200862
Score: 10.1888
Type of gen. func.: lgdogf

$$-\frac{-18 x^4 + 23 x^2 - 6 x - 2}{-18 x^5 + 10 x^4 + 13 x^3 - 7 x^2 - 2 x + 1}$$

Sequence: A200862
Score: 15.8232
Type of gen. func.: lgdogf

$$-\frac{(3 x^2 + 2 x - 2) (6 x^2 - 4 x - 1)}{(2 x^2 - 1) (9 x^3 - 5 x^2 - 2 x + 1)}$$

Sequence: A200862
Score: 16.6238
Type of gen. func.: ogf

$$-\frac{2 x^2 - 1}{9 x^3 - 5 x^2 - 2 x + 1}$$

Sequence: A200862
Score: 8.09875
Type of gen. func.: ogf

$$-(1418 f(x) + 1717) (9 f(x) x^3 - 5 f(x) x^2 - 2 f(x) x + 2 x^2 + f(x) - 1)$$

Sequence: A200862
Score: 8.46030
Type of gen. func.: ogf

$\{a(n + 3) - 2 a(n + 2) - 5 a(n + 1) + 9 a(n), a(0) = 1, a(1) = 2, a(2) = 7\}$

Sequence: A200864
Score: 11.3366
Type of gen. func.: lgdogf

$$-\frac{-45 x^2 - 14 x + 7}{-15 x^3 - 7 x^2 + 7 x - 1}$$

Sequence: A200864
Score: 18.0846
Type of gen. func.: ogf

$$\frac{1}{(3 x - 1) (5 x - 1) (x + 1)}$$

Sequence: A200864
Score: 19.1498
Type of gen. func.: lgdogf

$$-\frac{45 x^2 + 14 x - 7}{(3 x - 1) (5 x - 1) (x + 1)}$$

Sequence: A200864
Score: 6.66275
Type of gen. func.: ogf

$\{-a(n + 3) + 7 a(n + 2) - 7 a(n + 1) - 15 a(n), a(0) = 1, a(1) = 7, a(2) = 42\}$

Sequence: A200864
Score: 7.03292
Type of gen. func.: ogf

$$(67531 f(x) - 11475) (15 f(x) x^3 + 7 f(x) x^2 - 7 f(x) x + f(x) - 1)$$

Sequence: A200865
Score: 10.9103
Type of gen. func.: ogf

$$-\frac{9 x^3 + 3 x^2 + 3 x + 17}{x^4 + 2 x - 1}$$

Sequence: A200865
Score: 6.20585
Type of gen. func.: ogf

$$-(79 f(x) - 113) (f(x) x^4 + 9 x^3 + 2 f(x) x + 3 x^2 - f(x) + 3 x + 17)$$

Sequence: A200865
Score: 8.96092
Type of gen. func.: lgdogf

$$-\frac{9 x^6 + 6 x^5 + 9 x^4 + 32 x^3 + 21 x^2 + 6 x + 37}{(9 x^3 + 3 x^2 + 3 x + 17) (x^4 + 2 x - 1)}$$

Sequence: A200866
Score: 7.18883
Type of gen. func.: ogf

$$-\frac{2 (8 x^4 + 18 x^3 + 6 x^2 + 11 x + 18)}{x^5 + 2 x^4 + x^2 + 2 x - 1}$$

Sequence: A200867
Score: 5.61456
Type of gen. func.: ogf

$$25 x^6 + 30 x^5 + 10 x^4 + 102 x^3 + 47 x^2 + 65$$

$$- \frac{}{x^{7} + x^{6} + 4 x^{4} + x^{3} - x^{2} + 3 x - 1}$$

Sequence: A200868
Score: 4.25547
Type of gen. func.: ogf

$$- \frac{2 (18 x^{7} + 57 x^{6} + 48 x^{5} + 67 x^{4} + 138 x^{3} + 50 x^{2} + 19 x + 53)}{x^{8} + 3 x^{7} + 2 x^{6} + 3 x^{5} + 7 x^{4} + x^{3} + 3 x - 1}$$

Sequence: A200869
Score: 3.65151
Type of gen. func.: ogf

$$- (49 x^{9} + 105 x^{8} + 70 x^{7} + 310 x^{6} + 389 x^{5} + 93 x^{4} + 462 x^{3} + 266 x^{2} - 49 x + 161) \Big/ (x^{10} + 2 x^{9} + x^{8} + 6 x^{7} + 7 x^{6} + 9 x^{4} + 4 x^{3} - 3 x^{2} + 4 x - 1)$$

Sequence: A200872
Score: 13.0707
Type of gen. func.: lgdogf

$$- \frac{x^{4} - 6 x^{3} + 12 x^{2} - 34 x + 37}{(x - 1) (x^{4} - 5 x^{3} + 9 x^{2} - 13 x + 10)}$$

Sequence: A200872
Score: 7.62834
Type of gen. func.: lgdogf

$$- \frac{x^{4} - 6 x^{3} + 12 x^{2} - 34 x + 37}{x^{5} - 6 x^{4} + 14 x^{3} - 22 x^{2} + 23 x - 10}$$

Sequence: A200872
Score: 8.10020

Type of gen. func.: ogf

$$-\frac{x^4 - 5 x^3 + 9 x^2 - 13 x + 10}{(x - 1)^5}$$

Sequence: A200873
Score: 6.23947
Type of gen. func.: ogf

$$-\frac{x^5 - 6 x^4 + 14 x^3 - 14 x^2 + 19 x - 16}{(x - 1)^6}$$

Sequence: A200873
Score: 9.46389
Type of gen. func.: lgdogf

$$-\frac{x^5 - 7 x^4 + 18 x^3 - 14 x^2 + 67 x - 77}{(x - 1) (x^5 - 6 x^4 + 14 x^3 - 14 x^2 + 19 x - 16)}$$

Sequence: A200874
Score: 5.26802
Type of gen. func.: ogf

$$-\frac{x^6 - 7 x^5 + 22 x^4 - 28 x^3 + 7 x^2 - 19 x + 26}{(x - 1)^7}$$

Sequence: A200874
Score: 7.71958
Type of gen. func.: lgdogf

$$-\frac{x^6 - 8 x^5 + 31 x^4 - 24 x^3 - 49 x^2 - 100 x + 163}{(x - 1) (x^6 - 7 x^5 + 22 x^4 - 28 x^3 + 7 x^2 - 19 x + 26)}$$

Sequence: A200875
Score: 4.63419
Type of gen. func.: ogf

$$-\frac{x^7 - 8x^6 + 29x^5 - 70x^4 + 55x^3 + 40x^2 - 7x - 42}{(x-1)^8}$$

Sequence: A200876
Score: 3.90602
Type of gen. func.: ogf

$$-\frac{x^8 - 9x^7 + 35x^6 - 97x^5 + 237x^4 - 167x^3 - 177x^2 + 111x + 68}{(x-1)^9}$$

Sequence: A200880
Score: 6.78771
Type of gen. func.: ogf

$$-\frac{9x^4 - 6x^3 + 34x^2 - 15x + 22}{x^5 - x^4 + 4x^3 - 3x^2 + 3x - 1}$$

Sequence: A200881
Score: 5.00425
Type of gen. func.: ogf

$$-\frac{16x^6 - 12x^5 + 93x^4 - 56x^3 + 146x^2 - 56x + 50}{x^7 - x^6 + 6x^5 - 5x^4 + 10x^3 - 6x^2 + 4x - 1}$$

Sequence: A200882
Score: 3.61792
Type of gen. func.: ogf

```
       8       7        6        5        4        3        2
  25 x  - 20 x  + 196 x  - 135 x  + 498 x  - 270 x  + 446 x  - 150 x + 95
- -------------------------------------------------------------------------
        9    8      7      6       5       4       3       2
```

$$x - x + 8 x - 7 x + 21 x - 15 x + 20 x - 10 x + 5 x - 1$$

Sequence: A200887
Score: 13.0984
Type of gen. func.: lgdogf

$$-\frac{x^4 - 6 x^3 + 12 x^2 - 18 x + 51}{(x - 1) (x^4 - 5 x^3 + 9 x^2 - 9 x + 12)}$$

Sequence: A200887
Score: 7.51495
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 6 x^3 - 12 x^2 + 18 x - 51}{-x^5 + 6 x^4 - 14 x^3 + 18 x^2 - 21 x + 12}$$

Sequence: A200887
Score: 8.06292
Type of gen. func.: ogf

$$-\frac{x^4 - 5 x^3 + 9 x^2 - 9 x + 12}{(x - 1)^5}$$

Sequence: A200888
Score: 10.0174
Type of gen. func.: lgdogf

$$-\frac{x^5 - 7 x^4 + 24 x^3 + 4 x^2 + 3 x - 121}{(x - 1) (x^5 - 6 x^4 + 16 x^3 - 11 x^2 + 5 x - 21)}$$

Sequence: A200888
Score: 6.47943
Type of gen. func.: ogf

$$-\frac{x^5 - 6x^4 + 16x^3 - 11x^2 + 5x - 21}{(x - 1)^6}$$

Sequence: A200889
Score: 5.46870
Type of gen. func.: ogf

$$-\frac{x^6 - 7x^5 + 21x^4 - 54x^3 + x^2 + 33x + 37}{(x - 1)^7}$$

Sequence: A200889
Score: 8.02098
Type of gen. func.: lgdogf

$$-\frac{x^6 - 8x^5 + 28x^4 - 132x^3 - 157x^2 + 200x + 292}{(x - 1)(x^6 - 7x^5 + 21x^4 - 54x^3 + x^2 + 33x + 37)}$$

Sequence: A200890
Score: 4.44286
Type of gen. func.: ogf

$$-\frac{x^7 - 8x^6 + 27x^5 - 48x^4 + 224x^3 - 11x^2 - 184x - 65}{(x - 1)^8}$$

Sequence: A200891
Score: 3.56306
Type of gen. func.: ogf

$$-\frac{x^8 - 9x^7 + 37x^6 - 47x^5 - 37x^4 - 953x^3 + 357x^2 + 665x + 114}{(x - 1)^9}$$

Sequence: A200936

Score: 3.84308
Type of gen. func.: ogf

$$-2\left(11x^8-12x^7-440x^6+492x^5+2266x^4-2868x^3+904x^2+84x+11\right) \Big/ \left((x-1)(x^2+6x+1)(x^2-6x+1)(x^2+2x-1)(x^2-2x-1)\right)$$

Sequence: A200938
Score: 6.65311
Type of gen. func.: ogf

$$\frac{216\left(13x^4-4x^3-78x^2+28x-3\right)}{(x-1)(x^2+2x-1)(x^2-2x-1)}$$

Sequence: A200943
Score: 4.31850
Type of gen. func.: ogf

$$\left(7x^{10}-13x^9-9x^8+20x^7+9x^6-15x^5-35x^4-5x^3+12x^2-5x-1\right) \Big/ \left((x^2+x+1)(x+1)^2(x-1)^5\right)$$

Sequence: A200975
Score: 10.3618
Type of gen. func.: ogf

$$-\frac{x^5-x^4+x+1}{(x^2+1)(x+1)(x-1)^3}$$

Sequence: A200975
Score: 13.5069
Type of gen. func.: lgdogf

$$-\frac{x^8+8x^4+4x^3+4x^2+4x+3}{(x-1)(x+1)(x^2+1)(x^5-x^4+x+1)}$$

Sequence: A200975
Score: 9.17447
Type of gen. func.: lgdogf

$$- \frac{-x^{8} - 8 x^{4} - 4 x^{3} - 4 x^{2} - 4 x - 3}{-x^{9} + x^{8} - 2 x^{4} + x + 1}$$

Sequence: A200978
Score: 17.1771
Type of gen. func.: lgdegf]

$$- \frac{12 (x^{2} + 3 x + 1)}{(x - 1) (3 x^{2} + 6 x + 1)}$$

Sequence: A200978
Score: 5.37507
Type of gen. func.: ogf

$$\{(-n^{2} - 9 n - 20) a(n + 1) + (n + 2) a(n + 2), a(0) = 6, a(1) = 72\}$$

Sequence: A200978
Score: 6.80842
Type of gen. func.: egf]

$$\frac{6 (3 x^{2} + 6 x + 1)}{(x - 1)^{6}}$$

Sequence: A200978
Score: 9.14564
Type of gen. func.: lgdegf]

$$- \frac{12 x^{2} + 36 x + 12}{{}^{3} \qquad {}^{2}}$$

3 x + 3 x - 5 x - 1

Sequence: A200979
Score: 12.3158
Type of gen. func.: lgdegf]

$$-\frac{20\,(x+1)\,(x^2+5\,x+1)}{(x-1)\,(4\,x^3+18\,x^2+12\,x+1)}$$

Sequence: A200979
Score: 5.12339
Type of gen. func.: egf]

$$\frac{24\,(4\,x^3+18\,x^2+12\,x+1)}{(x-1)^8}$$

Sequence: A200979
Score: 5.25476
Type of gen. func.: ogf

$$\{(-n^2-11\,n-30)\,a(n+1)+(n+2)\,a(n+2),\ a(0)=24,\ a(1)=480\}$$

Sequence: A200979
Score: 6.98644
Type of gen. func.: lgdegf]

$$-\frac{20\,x^3+120\,x^2+120\,x+20}{4\,x^4+14\,x^3-6\,x^2-11\,x-1}$$

Sequence: A200993
Score: 11.5789
Type of gen. func.: lgdogf

$$-\frac{3\,(x^2-66\,x+33)}{}$$

$$(x - 1) (x^2 - 98 x + 1)$$

Sequence: A200993
Score: 14.1518
Type of gen. func.: ogf

$$-\frac{10 x}{(x - 1) (x^2 - 98 x + 1)}$$

Sequence: A200993
Score: 5.85591
Type of gen. func.: ogf

$$\{a(n + 3) - 99 a(n + 2) + 99 a(n + 1) - a(n), a(0) = 0, a(1) = 10, a(2) = 990\}$$

Sequence: A200993
Score: 8.49105
Type of gen. func.: ogf

$$f(x) x^3 - 99 f(x) x^2 + 99 f(x) x - f(x) + 10 x$$

Sequence: A200993
Score: 9.84471
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 198 x + 99}{x^3 - 99 x^2 + 99 x - 1}$$

Sequence: A200994
Score: 12.8632
Type of gen. func.: ogf

$$-\frac{15 x}{(x - 1) (x^2 - 98 x + 1)}$$

Sequence: A200994
Score: 17.4089
Type of gen. func.: lgdogf

$$-\frac{3\,(x^2-66\,x+33)}{(x-1)\,(x^2-98\,x+1)}$$

Sequence: A200994
Score: 5.27722
Type of gen. func.: ogf

{a(n + 3) - 99 a(n + 2) + 99 a(n + 1) - a(n), a(0) = 0, a(1) = 15, a(2) = 1485}

Sequence: A200994
Score: 7.71794
Type of gen. func.: ogf

$$f(x)\,x^3 - 99\,f(x)\,x^2 + 99\,f(x)\,x - f(x) + 15\,x$$

Sequence: A200994
Score: 8.94833
Type of gen. func.: lgdogf

$$-\frac{3\,x^2-198\,x+99}{x^3-99\,x^2+99\,x-1}$$

Sequence: A200998
Score: 11.5591
Type of gen. func.: ogf

$$-\frac{21\,x}{(x-1)\,(x^2-194\,x+1)}$$

Sequence: A200998
Score: 12.8941

Type of gen. func.: lgdogf

$$-\frac{3\,(x^2 - 130\,x + 65)}{(x - 1)\,(x^2 - 194\,x + 1)}$$

Sequence: A200998
Score: 4.85676
Type of gen. func.: ogf

$\{a(n + 3) - 195\,a(n + 2) + 195\,a(n + 1) - a(n),\ a(0) = 0,\ a(1) = 21,$

$\quad a(2) = 4095\}$

Sequence: A200998
Score: 7.04821
Type of gen. func.: ogf

$$f(x)\,x^3 - 195\,f(x)\,x^2 + 195\,f(x)\,x - f(x) + 21\,x$$

Sequence: A200998
Score: 8.02714
Type of gen. func.: lgdogf

$$-\frac{3\,x^2 - 390\,x + 195}{x^3 - 195\,x^2 + 195\,x - 1}$$

Sequence: A200999
Score: 11.6646
Type of gen. func.: ogf

$$-\frac{28\,x}{(x - 1)\,(x^2 - 194\,x + 1)}$$

Sequence: A200999
Score: 15.5491
Type of gen. func.: lgdogf

$$-\frac{3\,(x^{2}-130\,x+65)}{(x-1)\,(x^{2}-194\,x+1)}$$

Sequence: A200999
Score: 4.90111
Type of gen. func.: ogf

{a(n + 3) - 195 a(n + 2) + 195 a(n + 1) - a(n), a(0) = 0, a(1) = 28,

a(2) = 5460}

Sequence: A200999
Score: 7.11258
Type of gen. func.: ogf

$$f(x)\,x^{3}-195\,f(x)\,x^{2}+195\,f(x)\,x-f(x)+28\,x$$

Sequence: A200999
Score: 8.10044
Type of gen. func.: lgdogf

$$-\frac{3\,x^{2}-390\,x+195}{x^{3}-195\,x^{2}+195\,x-1}$$

Sequence: A201003
Score: 11.3783
Type of gen. func.: lgdogf

$$-\frac{3\,x^{2}-646\,x+323}{(x-1)\,(x^{2}-322\,x+1)}$$

Sequence: A201003
Score: 12.7203
Type of gen. func.: ogf

$$-\frac{36 x}{(x-1)(x^2-322 x+1)}$$

Sequence: A201003
Score: 5.30011
Type of gen. func.: ogf

{a(n + 3) - 323 a(n + 2) + 323 a(n + 1) - a(n), a(0) = 0, a(1) = 36,

a(2) = 11628}

Sequence: A201003
Score: 7.75625
Type of gen. func.: ogf

$$f(x) x^3 - 323 f(x) x^2 + 323 f(x) x - f(x) + 36 x$$

Sequence: A201003
Score: 8.83351
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 646 x + 323}{x^3 - 323 x^2 + 323 x - 1}$$

Sequence: A201004
Score: 12.7203
Type of gen. func.: ogf

$$-\frac{45 x}{(x-1)(x^2-322 x+1)}$$

Sequence: A201004
Score: 5.30011
Type of gen. func.: ogf

{a(n + 3) - 323 a(n + 2) + 323 a(n + 1) - a(n), a(0) = 0, a(1) = 45,

a(2) = 14535}

Sequence: A201004
Score: 7.75625
Type of gen. func.: ogf

$$f(x) x^3 - 323 f(x) x^2 + 323 f(x) x - f(x) + 45 x$$

Sequence: A201004
Score: 8.83351
Type of gen. func.: lgdogf

$$- \frac{3 x^2 - 646 x + 323}{x^3 - 323 x^2 + 323 x - 1}$$

Sequence: A201008
Score: 12.0322
Type of gen. func.: lgdogf

$$- \frac{3 (x^2 - 322 x + 161)}{(x - 1) (x^2 - 482 x + 1)}$$

Sequence: A201008
Score: 3.87232
Type of gen. func.: ogf

{a(n + 3) - 483 a(n + 2) + 483 a(n + 1) - a(n), a(0) = 0, a(1) = 55,

a(2) = 26565}

Sequence: A201008
Score: 5.6668
Type of gen. func.: ogf

$$f(x) x^3 - 483 f(x) x^2 + 483 f(x) x - f(x) + 55 x$$

Sequence: A201008
Score: 9.29356
Type of gen. func.: ogf

$$-\frac{55\,x}{(x-1)\,(x^{2}-482\,x+1)}$$

Sequence: A201040
Score: 4.44884
Type of gen. func.: ogf

$$-\frac{x^{6}+x^{5}-9\,x^{4}-4\,x^{3}+22\,x^{2}+3\,x-13}{(x-1)\,(x^{6}+x^{5}-7\,x^{4}-6\,x^{3}+12\,x^{2}+9\,x-1)}$$

Sequence: A201043
Score: 10.9594
Type of gen. func.: lgdogf

$$-\frac{x^{4}-4\,x^{3}+126\,x^{2}+452\,x+295}{(x-1)\,(x^{4}-4\,x^{3}+46\,x^{2}+90\,x+41)}$$

Sequence: A201043
Score: 7.18416
Type of gen. func.: ogf

$$-\frac{x^{4}-4\,x^{3}+46\,x^{2}+90\,x+41}{(x-1)^{5}}$$

Sequence: A201044
Score: 5.68787
Type of gen. func.: ogf

$$-\frac{x^{5}-7\,x^{4}-78\,x^{3}-602\,x^{2}-567\,x-99}{(x-1)^{6}}$$

Sequence: A201044
Score: 7.83495
Type of gen. func.: lgdogf

$$-\frac{x^5 - 9 x^4 - 262 x^3 - 2642 x^2 - 4039 x - 1161}{(x - 1) (x^5 - 7 x^4 - 78 x^3 - 602 x^2 - 567 x - 99)}$$

Sequence: A201045
Score: 4.54867
Type of gen. func.: ogf

$$-\frac{x^6 - 6 x^5 + 253 x^4 + 2882 x^3 + 6341 x^2 + 2896 x + 239}{(x - 1)^7}$$

Sequence: A201046
Score: 3.81482
Type of gen. func.: ogf

$$-\frac{x^7 - 9 x^6 - 541 x^5 - 13449 x^4 - 54531 x^3 - 54657 x^2 - 13365 x - 577}{(x - 1)^8}$$

Sequence: A201053
Score: 8.25219
Type of gen. func.: ogf

$$-\frac{x (259 x^{32} + 37 x^{28} - 361 x^{17} - 133 x^4 - 19)}{(x - 1) (37 x^{28} - 19)}$$

Sequence: A201078
Score: 12.8067
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 - x - 2$$

$$- \frac{}{-x^3 + x^2 - x + 1}$$

Sequence: A201081
Score: 5.1986
Type of gen. func.: ogf

$$(9 f(x) + 17)$$

$$(f(x) x^4 + f(x) x^3 - f(x) x^2 + 3 x^3 + 2 f(x) x + 2 x^2 - f(x) + x + 3)$$

Sequence: A201081
Score: 9.13695
Type of gen. func.: lgdogf

$$- \frac{3 x^6 + 4 x^5 + 8 x^4 + 2 x^3 + 13 x^2 - 2 x + 7}{(x^4 + x^3 - x^2 + 2 x - 1) (3 x^3 + 2 x^2 + x + 3)}$$

Sequence: A201081
Score: 9.31699
Type of gen. func.: ogf

$$- \frac{3 x^3 + 2 x^2 + x + 3}{x^4 + x^3 - x^2 + 2 x - 1}$$

Sequence: A201082
Score: 4.77125
Type of gen. func.: ogf

$$- \frac{(x + 1) (3 x^7 + 4 x^6 - 3 x^5 - 6 x^4 - x^3 - 4 x^2 - x + 5)}{x^9 + 2 x^8 - 4 x^6 - 2 x^5 - 2 x^3 + x^2 + 3 x - 1}$$

Sequence: A201089
Score: 5.65463
Type of gen. func.: ogf

$$-\frac{x^6 - 2x^5 + 23x^4 + 106x^3 + 151x^2 + 100x + 25}{(x+1)^2 (x-1)^5}$$

Sequence: A201106
Score: 12.2708
Type of gen. func.: lgdogf

$$-\frac{4x^2 + 42x + 14}{x^3 + 7x^2 - 7x - 1}$$

Sequence: A201106
Score: 22.8321
Type of gen. func.: lgdogf

$$-\frac{2(2x^2 + 21x + 7)}{(x-1)(x^2 + 8x + 1)}$$

Sequence: A201106
Score: 4.26251
Type of gen. func.: ogf

{(n + 3) a(n + 4) + 7 n a(n + 3) + (-49 - 7 n) a(n + 2) + (-4 - n) a(n + 1),

a(0) = 0, a(1) = 1, a(2) = 14, a(3) = 70}

Sequence: A201106
Score: 8.80300
Type of gen. func.: ogf

$$\frac{x(x^2 + 8x + 1)}{(x-1)^6}$$

Sequence: A201157
Score: 12.8985

Type of gen. func.: ogf

$$-f(x) x^2 + 3 f(x) x - f(x) + 5 x$$

Sequence: A201157
Score: 15.8544
Type of gen. func.: lgdogf

$$-\frac{2 x - 3}{x^2 - 3 x + 1}$$

Sequence: A201157
Score: 20.5678
Type of gen. func.: ogf

$$\frac{5 x}{x^2 - 3 x + 1}$$

Sequence: A201157
Score: 9.39519
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + a(n), a(0) = 0, a(1) = 5\}$$

Sequence: A201163
Score: 11.4590
Type of gen. func.: lgdogf

$$-\frac{x^4 + 4 x^3 + 5 x^2 + 1}{-x^5 - 5 x^4 - 11 x^3 - 14 x^2 - 9 x - 2}$$

Sequence: A201163
Score: 13.9890
Type of gen. func.: ogf

$$(x + 2) (x^3 + 2 x^2 + 3 x + 1)$$

```
                         -----------------------------
                                          3
                                   (x + 1)



------------------------------------------------------------------------------

Sequence:  A201163
Score: 24.2743
Type of gen. func.: lgdogf


                              4      3      2
                             x  + 4 x  + 5 x  + 1
                     -------------------------------------
                                      3      2
                     (x + 2) (x + 1) (x  + 2 x  + 3 x + 1)



------------------------------------------------------------------------------

Sequence:  A201163
Score: 7.48021
Type of gen. func.: ogf


{-a(n + 5) - 3 a(n + 4) - 3 a(n + 3) - a(n + 2), a(0) = 2, a(1) = 1, a(2) = -2,

    a(3) = 5, a(4) = -9}



------------------------------------------------------------------------------

Sequence:  A201163
Score: 8.03844
Type of gen. func.: ogf


-(29 f(x) + 207)

           3    4            2      3                 2
    (f(x) x  - x  + 3 f(x) x  - 4 x  + 3 f(x) x - 7 x  + f(x) - 7 x - 2)



------------------------------------------------------------------------------

Sequence:  A201164
Score: 6.49351
Type of gen. func.: ogf


    2  4         2  3        2  2         3         2             2    3       2
f(x)  x  + 2 f(x)  x  - f(x)  x  - f(x) x  - 2 f(x)  x - 2 f(x) x  + x  + f(x)

          2
     + 2 x  + f(x) + x



------------------------------------------------------------------------------

Sequence:  A201200
Score: 4.10953
Type of gen. func.: ogf


                                4            3            2       3
```

$$-(5250 f(x) - 315313) (44 f(x) x + 64 f(x) x - 68 f(x) x - 16 x + 16 f(x) x$$

$$+ 34 x^2 - f(x) - 12 x + 1)$$

Sequence: A201200
Score: 7.63198
Type of gen. func.: ogf

$$\frac{(8 x - 1) (2 x^2 - 4 x + 1)}{(22 x^2 - 12 x + 1) (2 x^2 + 4 x - 1)}$$

Sequence: A201202
Score: 4.49227
Type of gen. func.: ogf

$$\{(-n^2 - 7 n - 12) a(n + 1) + (-2 n - 7) a(n + 2) - a(n + 3), a(0) = 1,$$

$$a(1) = -3, a(2) = 9\}$$

Sequence: A201203
Score: 4.21219
Type of gen. func.: ogf

$$\{(-n^2 - 7 n - 12) a(n + 1) + (-2 n - 9) a(n + 2) - a(n + 3), a(0) = 1,$$

$$a(1) = -5, a(2) = 29\}$$

Sequence: A201207
Score: 5.13631
Type of gen. func.: ogf

$$- \frac{3 x^5 - x^4 + 6 x^3 - 7 x^2 - 2 x + 4}{(x^2 + 1) (x^2 - x - 1) (x^2 + x - 1)^2}$$

Sequence: A201217
Score: 10.1379
Type of gen. func.: ogf

$$- \frac{x (630 x^{19} - 630 x^{18} + 54 x^{3} - 54 x^{2} - 1)}{(x - 1)^{2}}$$

Sequence: A201217
Score: 8.34119
Type of gen. func.: lgdogf

$$\frac{2 (5355 x^{19} - 11025 x^{18} + 5670 x^{17} + 27 x^{3} - 81 x^{2} + 54 x + 1)}{(x - 1) (630 x^{19} - 630 x^{18} + 54 x^{3} - 54 x^{2} - 1)}$$

Sequence: A201223
Score: 12.9008
Type of gen. func.: lgdogf

$$- \frac{(x + 1) (x^{4} + 6 x^{3} + 2 x^{2} + 2 x - 3)}{(x - 1) (x^{2} + 2 x - 1) (x^{3} + 3 x^{2} - x + 1)}$$

Sequence: A201225
Score: 4.78345
Type of gen. func.: ogf

$$\frac{20 (x^{4} - 346 x^{3} + 7424 x^{2} - 11254 x - 305)}{(x - 1) (x^{2} - 18 x + 1) (x^{2} - 322 x + 1)}$$

Sequence: A201227
Score: 4.22242
Type of gen. func.: ogf

$$-(1275460711 f(x) - 1729105299675)$$

$$(f(x) x^{3} - 19 f(x) x^{2} + 19 f(x) x - 23625 x^{2} - f(x) + 398250 x + 219375)$$

Sequence: A201227

Score: 4.86218
Type of gen. func.: ogf

$$\{-a(n+3)+19\,a(n+2)-19\,a(n+1)+a(n),\ a(0)=219375,\ a(1)=4566375,\ a(2)=82569375\}$$

Sequence: A201227
Score: 8.33517
Type of gen. func.: ogf

$$\frac{3375\,(7\,x^2-118\,x-65)}{(x^2-18\,x+1)\,(x-1)}$$

Sequence: A201236
Score: 12.2355
Type of gen. func.: lgdogf

$$-\frac{x^4-6\,x^3+18\,x^2-34\,x-9}{(x-1)\,(2\,x^5-9\,x^4+15\,x^3-9\,x^2-4\,x-1)}$$

Sequence: A201236
Score: 7.44053
Type of gen. func.: ogf

$$\frac{2\,x\,(2\,x^5-9\,x^4+15\,x^3-9\,x^2-4\,x-1)}{(x-1)^5}$$

Sequence: A201236
Score: 7.50879
Type of gen. func.: lgdogf

$$-\frac{x^4-6\,x^3+18\,x^2-34\,x-9}{2\,x^6-11\,x^5+24\,x^4-24\,x^3+5\,x^2+3\,x+1}$$

Sequence: A201237
Score: 5.08321
Type of gen. func.: ogf

$$-\frac{2 x^2 (3 x^7 - 15 x^6 + 25 x^5 - 7 x^4 - 17 x^3 - 15 x^2 + 83 x + 3)}{(x - 1)^7}$$

Sequence: A201238
Score: 3.58523
Type of gen. func.: ogf

$$x^3 (8 x^9 - 54 x^8 + 189 x^7 - 551 x^6 + 1404 x^5 - 2552 x^4 + 2685 x^3 - 783 x^2 - 1798 x - 228) \Big/ (x - 1)^9$$

Sequence: A201243
Score: 11.1094
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 18 x - 14}{x^4 - 2 x^3 - 3 x^2 + 2 x + 2}$$

Sequence: A201243
Score: 20.7996
Type of gen. func.: lgdogf

$$-\frac{2 (x^3 - 9 x - 7)}{(x - 1) (x + 1) (x^2 - 2 x - 2)}$$

Sequence: A201243
Score: 4.41987
Type of gen. func.: ogf

$$\{(-13 n^2 - 105 n - 158) a(n + 1) + (n^2 - 77 n - 400) a(n + 2)$$

^{2}

$+ (12 n + 82 n + 116) a(n + 3), a(0) = 0, a(1) = 4, a(2) = 28\}$

Sequence: A201243
Score: 9.03401
Type of gen. func.: ogf

$$\frac{2 x (x + 1) (x^2 - 2 x - 2)}{(x - 1)^5}$$

Sequence: A201244
Score: 5.83520
Type of gen. func.: ogf

$$-\frac{2 x^2 (x^5 + 3 x^4 - 24 x^3 + 24 x^2 + 37 x + 19)}{(x - 1)^7}$$

Sequence: A201244
Score: 9.98979
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 + 7 x^4 - 42 x^3 + 24 x^2 + 135 x + 85)}{(x - 1) (x^5 + 3 x^4 - 24 x^3 + 24 x^2 + 37 x + 19)}$$

Sequence: A201245
Score: 3.92362
Type of gen. func.: ogf

$$-x^2 (2 x^8 - 55 x^7 + 230 x^6 - 254 x^5 - 225 x^4 + 173 x^3 + 1380 x^2 + 400 x + 29) \Big/ (x - 1)^9$$

Sequence: A201271
Score: 9.08366
Type of gen. func.: ogf

$$-\frac{x^8 - 3x^5 + x^4 + 3x^3 + 4x^2 + 5x + 3}{(x-1)^3 (x^2+x+1)^3}$$

Sequence: A201279
Score: 12.4005
Type of gen. func.: lgdogf

$$-\frac{x^2 + 14x + 21}{x^3 + 5x^2 - x - 5}$$

Sequence: A201279
Score: 13.4169
Type of gen. func.: ogf

$$-\frac{(x+5)(x+1)}{(x-1)^3}$$

Sequence: A201279
Score: 25.1002
Type of gen. func.: lgdogf

$$-\frac{x^2 + 14x + 21}{(x+5)(x-1)(x+1)}$$

Sequence: A201279
Score: 7.05545
Type of gen. func.: ogf

$$(594 f(x) - 3901) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 6x + 5)$$

Sequence: A201279
Score: 7.17923
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 5, a(1) = 21, a(2) = 49\}$

Sequence: A201347
Score: 17.0048
Type of gen. func.: lgdogf

$$- \frac{2 (x^3 + x^2 - 2 x + 2)}{(x - 1) (x^4 - 2 x^3 + 4 x^2 - 4 x + 2)}$$

Sequence: A201347
Score: 4.07663
Type of gen. func.: ogf

$$\{-30 n a(n) + (-19 n^2 - 19 n - 60) a(n + 1) + (32 n^2 + 14 n - 264) a(n + 2) + (-13 n^2 + 17 n + 168) a(n + 3), a(0) = 2, a(1) = 4, a(2) = 8\}$$

Sequence: A201347
Score: 5.58142
Type of gen. func.: ogf

$$-(f(x) - 2) (f(x) x^4 - 4 f(x) x^3 - x^4 + 6 f(x) x^2 + 2 x^3 - 4 f(x) x - 4 x^2 + f(x) + 4 x - 2)$$

Sequence: A201347
Score: 9.45036
Type of gen. func.: lgdogf

$$- \frac{-2 x^3 - 2 x^2 + 4 x - 4}{-x^5 + 3 x^4 - 6 x^3 + 8 x^2 - 6 x + 2}$$

Sequence: A201347
Score: 9.78391
Type of gen. func.: ogf

4 3 2

$$\frac{x - 2 x + 4 x - 4 x + 2}{(x - 1)^4}$$

Sequence: A201348
Score: 4.67242
Type of gen. func.: ogf

$$-\frac{2 x^8 - 20 x^7 + 59 x^6 - 85 x^5 + 62 x^4 - 15 x^3 - 10 x^2 + 8 x - 2}{(x - 1)^8}$$

Sequence: A201371
Score: 15.7991
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 15 x^2 + 2 x - 5}{(x - 1) (4 x^3 - 9 x^2 + 5 x - 2)}$$

Sequence: A201371
Score: 3.88448
Type of gen. func.: ogf

$$\{(301 n^2 + 2531 n + 4884) a(n + 1) + (-635 n^2 - 4093 n - 5046) a(n + 2)$$

$$+ (334 n^2 + 1430 n + 1284) a(n + 3), a(0) = 2, a(1) = 5, a(2) = 14\}$$

Sequence: A201371
Score: 8.88518
Type of gen. func.: ogf

$$\frac{4 x^3 - 9 x^2 + 5 x - 2}{(x - 1)^5}$$

Sequence: A201371
Score: 9.31339

Type of gen. func.: lgdogf

$$-\frac{-8x^3+15x^2-2x+5}{-4x^4+13x^3-14x^2+7x-2}$$

Sequence: A201372
Score: 5.85017
Type of gen. func.: ogf

$$\frac{2(6x^5-15x^4+9x^3-11x^2+4x-1)}{(x-1)^7}$$

Sequence: A201372
Score: 9.31699
Type of gen. func.: lgdogf

$$-\frac{12x^5-15x^4-24x^3-28x^2+2x-3}{(x-1)(6x^5-15x^4+9x^3-11x^2+4x-1)}$$

Sequence: A201445
Score: 4.59705
Type of gen. func.: ogf

$$-(x^{13}-x^{11}-3x^9-x^8+2x^7-9x^6+2x^5-17x^4-7x^3-15x^2-2x-6) \Big/ ((x^2+1)^3(x-1)^4(x+1)^4)$$

Sequence: A201455
Score: 10.7136
Type of gen. func.: lgdogf

$$-\frac{12x^2-16x-3}{12x^3+x^2-9x+2}$$

Sequence: A201455
Score: 15.9513
Type of gen. func.: ogf

$$\frac{3 x - 2}{(x + 1) (4 x - 1)}$$

Sequence: A201455
Score: 7.97566
Type of gen. func.: ogf

$$(650 f(x) - 1219) (4 f(x) x^{2} + 3 f(x) x - f(x) - 3 x + 2)$$

Sequence: A201455
Score: 8.75378
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) + 4 a(n), a(0) = 2, a(1) = 3\}$$

Sequence: A201458
Score: 10.6792
Type of gen. func.: ogf

$$\frac{1}{(3 x^{2} - 3 x + 1) (2 x^{2} - 2 x + 1) (2 x - 1)^{2}}$$

Sequence: A201458
Score: 10.7952
Type of gen. func.: lgdogf

$$- \frac{72 x^{4} - 144 x^{3} + 124 x^{2} - 52 x + 9}{(2 x - 1) (3 x^{2} - 3 x + 1) (2 x^{2} - 2 x + 1)}$$

Sequence: A201458
Score: 7.05227
Type of gen. func.: lgdogf

$$-\frac{-72 x^4 + 144 x^3 - 124 x^2 + 52 x - 9}{-12 x^5 + 30 x^4 - 34 x^3 + 21 x^2 - 7 x + 1}$$

Sequence: A201465
Score: 23.3715
Type of gen. func.: revegf]

$$3 x + 2 - 2 \exp(x)$$

Sequence: A201465
Score: 52.5793
Type of gen. func.: revegf]

$$3 x + 2 - 2 \exp(x)$$

Sequence: A201466
Score: 22.4004
Type of gen. func.: revegf]

$$4 x + 3 - 3 \exp(x)$$

Sequence: A201466
Score: 50.3750
Type of gen. func.: revegf]

$$4 x + 3 - 3 \exp(x)$$

Sequence: A201471
Score: 13.3776
Type of gen. func.: ogf

$$-\frac{2 x^7 - 2 x^6 - x^4 + x^3 - x^2 + 2 x - 3}{(x - 1)^2}$$

Sequence: A201471
Score: 13.9959
Type of gen. func.: lgdogf

$$\frac{10 x^7 - 22 x^6 + 12 x^5 - 2 x^4 + 5 x^3 - 3 x^2 + 4}{(x - 1) (2 x^7 - 2 x^6 - x^4 + x^3 - x^2 + 2 x - 3)}$$

Sequence: A201500
Score: 9.93682
Type of gen. func.: ogf

$$-\frac{x^7 - 2 x^5 + x^3 + 2 x^2 + 2 x + 2}{(x^2 + 1) (x - 1)^3 (x + 1)^3}$$

Sequence: A201533
Score: 3.58827
Type of gen. func.: ogf

$$(x^{11} - 5 x^{10} + 9 x^9 - x^8 - 20 x^7 + 19 x^6 + 25 x^5 - 76 x^4 + 84 x^3 - 52 x^2 + 18 x - 3) / (x - 1)^9$$

Sequence: A201546
Score: 3.00894
Type of gen. func.: egf]

$$\{(-16 n^4 - 176 n^3 - 724 n^2 - 1320 n - 900) a(n + 1) + (8 n^3 + 68 n^2 + 190 n + 172) a(n + 2) + (-n^2 - 5 n - 6) a(n + 3),$$
$$a(0) = 1, a(1) = 14, a(2) = 222\}$$

Sequence: A201553
Score: 5.75598
Type of gen. func.: ogf

$$-\frac{x^5 - 7 x^4 - 120 x^3 - 940 x^2 - 905 x - 141}{}$$

$$(x - 1)^6$$

Sequence: A201553
Score: 7.88006
Type of gen. func.: lgdogf

$$- \frac{x^5 - 9 x^4 - 388 x^3 - 4120 x^2 - 6405 x - 1751}{(x - 1) (x^5 - 7 x^4 - 120 x^3 - 940 x^2 - 905 x - 141)}$$

Sequence: A201554
Score: 4.60457
Type of gen. func.: ogf

$$- \frac{x^6 - 6 x^5 + 407 x^4 + 5370 x^3 + 11999 x^2 + 5384 x + 393}{(x - 1)^7}$$

Sequence: A201618
Score: 10.3658
Type of gen. func.: lgdogf

$$\frac{2 (x^6 - 5 x^5 + 10 x^4 - 12 x^3 + 6 x^2 - 2)}{(x - 1) (x^2 - 2 x + 2) (x^4 - 2 x^3 + 4 x^2 - 4 x + 2)}$$

Sequence: A201618
Score: 7.52369
Type of gen. func.: ogf

$$\frac{x (x^2 - 2 x + 2) (x^4 - 2 x^3 + 4 x^2 - 4 x + 2)}{(x - 1)^4}$$

Sequence: A201629
Score: 13.0993
Type of gen. func.: lgdogf

$$-\frac{-4 x^{2} + 2 x - 2}{-x^{3} + x^{2} - x + 1}$$

Sequence: A201629
Score: 15.8180
Type of gen. func.: ogf

$$\frac{2 x^{2}}{(x - 1)^{2} (x^{2} + 1)}$$

Sequence: A201629
Score: 28.8091
Type of gen. func.: ogf_with_Euler_transform]

$$[x^{3} - x + 2]$$

Sequence: A201629
Score: 29.6388
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^{2} - x + 1)}{(x - 1) (x^{2} + 1)}$$

Sequence: A201629
Score: 4.32141
Type of gen. func.: ogf

$\{(n + 3) a(n + 1) + (-n - 2) a(n + 2) + (n + 3) a(n + 3) + (-n - 2) a(n + 4),$

$a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 4\}$

Sequence: A201629
Score: 8.46821
Type of gen. func.: ogf

$$-f(x) x^4 + 2 f(x) x^3 - 2 f(x) x^2 + 2 f(x) x + 2 x^2 - f(x)$$

Sequence: A201630
Score: 12.0259
Type of gen. func.: lgdogf

$$-\frac{-10 x^2 - 8 x - 7}{-10 x^3 - 9 x^2 + 3 x + 2}$$

Sequence: A201630
Score: 17.6380
Type of gen. func.: ogf

$$-\frac{5 x + 2}{(x + 1) (2 x - 1)}$$

Sequence: A201630
Score: 21.0736
Type of gen. func.: lgdogf

$$-\frac{10 x^2 + 8 x + 7}{(5 x + 2) (2 x - 1) (x + 1)}$$

Sequence: A201630
Score: 9.12307
Type of gen. func.: ogf

$$(15 f(x) + 19) (2 f(x) x^2 + f(x) x - f(x) + 5 x + 2)$$

Sequence: A201630
Score: 9.67937
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - 2 a(n), a(0) = 2, a(1) = 7\}$$

Sequence: A201632
Score: 6.85689
Type of gen. func.: ogf

$$-\frac{3 x^4 - 70 x^2 + 48 x + 35}{(x^2 - 6 x + 1) (x^2 + 6 x + 1) (x - 1)}$$

Sequence: A201633
Score: 7.38064
Type of gen. func.: ogf

$$\frac{x^4 + x^3 - 22 x^2 - 17 x - 11}{(x^2 - 6 x + 1) (x^2 + 6 x + 1) (x - 1)}$$

Sequence: A201686
Score: 4.49455
Type of gen. func.: ogf

$$\{(-4 n^2 - 20 n - 24) a(n + 1) + (4 n^2 + 18 n + 18) a(n + 2) + (n^2 + 9 n + 16) a(n + 3) + (-n^2 - 7 n - 10) a(n + 4), a(0) = -1, a(1) = -1, a(2) = 0, a(3) = 1\}$$

Sequence: A201686
Score: 7.53401
Type of gen. func.: ogf

$$-2 f(x)^2 x^4 + 5 f(x)^2 x^3 - 4 f(x)^2 x^2 + 6 f(x) x^3 + f(x)^2 x - 7 f(x) x^2 - 5 x^2 + f(x) + 1$$

Sequence: A201695
Score: 11.1451
Type of gen. func.: lgdogf

$$-\frac{(x + 1) (9 x^3 - 43 x^2 + 106 x + 18)}{\quad^4 \quad\quad ^3 \quad\quad ^2}$$

$$(x - 1) (9 x - 35 x + 56 x + 3 x + 3)$$

Sequence: A201695
Score: 7.27274
Type of gen. func.: lgdogf

$$- \frac{-9 x^4 + 34 x^3 - 63 x^2 - 124 x - 18}{-9 x^5 + 44 x^4 - 91 x^3 + 53 x^2 + 3}$$

Sequence: A201695
Score: 7.49767
Type of gen. func.: ogf

$$- \frac{9 x^4 - 35 x^3 + 56 x^2 + 3 x + 3}{(x - 1)^5}$$

Sequence: A201720
Score: 17.5906
Type of gen. func.: lgdegf]

$$\frac{x^3 - 4 x^2 + 8 x - 6}{2 (x - 2) (x - 1)^2}$$

Sequence: A201720
Score: 8.79992
Type of gen. func.: lgdegf]

$$- \frac{-x^3 + 4 x^2 - 8 x + 6}{2 x^3 - 8 x^2 + 10 x - 4}$$

Sequence: A201722
Score: 10.6004
Type of gen. func.: ogf

$$-\frac{x^4 + x^3 + 2 x^2 - 2 x + 4}{(x - 1)^3}$$

Sequence: A201722
Score: 16.3435
Type of gen. func.: lgdogf

$$\frac{x^4 - 4 x^3 - 5 x^2 - 10}{(x - 1) (x^4 + x^3 + 2 x^2 - 2 x + 4)}$$

Sequence: A201722
Score: 5.51508
Type of gen. func.: ogf

$$\{a(n + 5) - 3 a(n + 4) + 3 a(n + 3) - a(n + 2), a(0) = 4, a(1) = 10, a(2) = 20, a(3) = 35, a(4) = 56\}$$

Sequence: A201722
Score: 6.2787
Type of gen. func.: ogf

$$(172 f(x) - 63) (f(x) x^3 + x^4 - 3 f(x) x^2 + x^3 + 3 f(x) x + 2 x^2 - f(x) - 2 x + 4)$$

Sequence: A201722
Score: 9.60273
Type of gen. func.: lgdogf

$$-\frac{x^4 - 4 x^3 - 5 x^2 - 10}{-x^5 - x^3 + 4 x^2 - 6 x + 4}$$

Sequence: A201812
Score: 15.6473
Type of gen. func.: lgdogf

$$-\frac{x^3 - 39 x^2 + 3 x - 61}{(x - 1) (x^3 - 21 x^2 + 15 x - 19)}$$

Sequence: A201812
Score: 3.84681
Type of gen. func.: ogf

$$\{(219 n^2 + 1087 n + 1298) a(n + 1) + (-122 n^2 + 840 n + 3754) a(n + 2)$$
$$+ (-97 n^2 - 979 n - 2064) a(n + 3), a(0) = 19, a(1) = 61, a(2) = 151\}$$

Sequence: A201812
Score: 5.20758
Type of gen. func.: ogf

$$(2188 f(x) + 14795) ($$
$$f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + x^3 - 4 f(x) x - 21 x^2 + f(x) + 15 x - 19)$$

Sequence: A201812
Score: 8.90134
Type of gen. func.: lgdogf

$$-\frac{-x^3 + 39 x^2 - 3 x + 61}{-x^4 + 22 x^3 - 36 x^2 + 34 x - 19}$$

Sequence: A201812
Score: 9.56894
Type of gen. func.: ogf

$$-\frac{x^3 - 21 x^2 + 15 x - 19}{(x - 1)^4}$$

Sequence: A201813

Score: 13.5826
Type of gen. func.: lgdogf

$$-\frac{x^3 - 103 x^2 - 157 x - 221}{(x - 1) (x^3 - 53 x^2 - 17 x - 51)}$$

Sequence: A201813
Score: 4.8341
Type of gen. func.: ogf

$$(12044 f(x) + 540039) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + x^3 - 4 f(x) x - 53 x^2 + f(x) - 17 x - 51)$$

Sequence: A201813
Score: 8.00312
Type of gen. func.: lgdogf

$$-\frac{-x^3 + 103 x^2 + 157 x + 221}{-x^4 + 54 x^3 - 36 x^2 + 34 x - 51}$$

Sequence: A201813
Score: 9.00351
Type of gen. func.: ogf

$$-\frac{x^3 - 53 x^2 - 17 x - 51}{(x - 1)^4}$$

Sequence: A201814
Score: 5.47467
Type of gen. func.: ogf

$$-\frac{x^5 - 145 x^4 - 150 x^3 - 730 x^2 - 155 x - 141}{(x - 1)^6}$$

Sequence: A201814
Score: 7.19646
Type of gen. func.: lgdogf

$$-\frac{x^5 - 285 x^4 - 1030 x^3 - 3370 x^2 - 2235 x - 1001}{(x - 1) (x^5 - 145 x^4 - 150 x^3 - 730 x^2 - 155 x - 141)}$$

Sequence: A201815
Score: 5.18658
Type of gen. func.: ogf

$$-\frac{x^5 - 397 x^4 - 1782 x^3 - 4882 x^2 - 1787 x - 393}{(x - 1)^6}$$

Sequence: A201815
Score: 6.62094
Type of gen. func.: lgdogf

$$-\frac{x^5 - 789 x^4 - 6934 x^3 - 24874 x^2 - 18699 x - 4145}{(x - 1) (x^5 - 397 x^4 - 1782 x^3 - 4882 x^2 - 1787 x - 393)}$$

Sequence: A201837
Score: 10.1343
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 - 6 x^2 - 2 x}{-x^4 - 2 x^3 - x^2 - 1}$$

Sequence: A201837
Score: 17.7969
Type of gen. func.: ogf

$$\frac{1}{x^4 + 2 x^3 + x^2 + 1}$$

Sequence: A201837
Score: 22.2538
Type of gen. func.: lgdogf

$$-\frac{2 x (x + 1) (2 x + 1)}{x^4 + 2 x^3 + x^2 + 1}$$

Sequence: A201837
Score: 7.37043
Type of gen. func.: ogf

$$(3 f(x) - 5) (f(x) x^4 + 2 f(x) x^3 + f(x) x^2 + f(x) - 1)$$

Sequence: A201838
Score: 11.7769
Type of gen. func.: ogf

$$\frac{x (x + 1)}{x^4 + 2 x^3 + x^2 + 1}$$

Sequence: A201838
Score: 15.4135
Type of gen. func.: lgdogf

$$-\frac{3 x^4 + 8 x^3 + 7 x^2 + 2 x - 1}{(x + 1) (x^4 + 2 x^3 + x^2 + 1)}$$

Sequence: A201838
Score: 5.84056
Type of gen. func.: ogf

{a(n + 4) + a(n + 2) + 2 a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 1,

a(3) = -1}

Sequence: A201838
Score: 6.71392
Type of gen. func.: ogf

$$(3 f(x) + 1) (f(x) x^4 + 2 f(x) x^3 + f(x) x^2 - x^2 + f(x) - x)$$

Sequence: A201864
Score: 10.4655
Type of gen. func.: ogf

$$\frac{x^3 (x + 1)}{(x - 1) (x^2 + x + 1) (x^2 + x - 1)}$$

Sequence: A201864
Score: 12.7322
Type of gen. func.: lgdogf

$$- \frac{2 (2 x^5 + 4 x^4 + x^3 - 2 x^2 - x - 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 + x - 1)}$$

Sequence: A201864
Score: 5.79745
Type of gen. func.: ogf

$$f(x) (f(x) x^5 + f(x) x^4 - f(x) x^3 - x^4 - f(x) x^2 - x^3 - f(x) x + f(x))$$

Sequence: A201864
Score: 8.05845
Type of gen. func.: lgdogf

$$- \frac{-4 x^5 - 8 x^4 - 2 x^3 + 4 x^2 + 2 x + 2}{-x^6 - 2 x^5 + 2 x^3 + 2 x^2 - 1}$$

Sequence: A201865
Score: 14.0951
Type of gen. func.: lgdogf

$$-\frac{42 x - 4}{21 x^{2} - 4 x - 1}$$

Sequence: A201865
Score: 23.4919
Type of gen. func.: ogf

$$-\frac{1}{(7 x + 1) (3 x - 1)}$$

Sequence: A201865
Score: 25.9427
Type of gen. func.: lgdogf

$$-\frac{2 (-2 + 21 x)}{(7 x + 1) (3 x - 1)}$$

Sequence: A201865
Score: 8.38997
Type of gen. func.: ogf

$$(29 f(x) - 21) (21 f(x) x^{2} - 4 f(x) x - f(x) + 1)$$

Sequence: A201865
Score: 8.49105
Type of gen. func.: ogf

$$\{a(n + 2) + 4 a(n + 1) - 21 a(n), a(0) = 1, a(1) = -4\}$$

Sequence: A201874
Score: 8.26314
Type of gen. func.: lgdogf

$$-\frac{x^{8} + x^{7} + 7 x^{6} + 8 x^{5} + 52 x^{4} + 30 x^{3} + 33 x^{2} + 25 x + 5}{}$$

$$(x-1)(x^2+x+1)(x^2+2x+3)(x^4-2x^3+3x^2+1)$$

Sequence: A201874
Score: 8.78123
Type of gen. func.: ogf

$$-\frac{(x^2+2x+3)(x^4-2x^3+3x^2+1)}{(x^2+x+1)^2(x-1)^3}$$

Sequence: A201875
Score: 4.92851
Type of gen. func.: ogf

$$-\frac{x^8-2x^7-3x^6-16x^5-20x^4-28x^3-23x^2-16x-3}{(x+1)(x^2+x+1)^2(x-1)^4}$$

Sequence: A201883
Score: 11.7653
Type of gen. func.: lgdegf]

$$-\frac{x^2}{-4x^4+14x^3-18x^2+10x-2}$$

Sequence: A201883
Score: 29.9157
Type of gen. func.: lgdegf]

$$\frac{x^2}{2(2x-1)(x-1)^3}$$

Sequence: A201967
Score: 15.0190
Type of gen. func.: lgdogf

$$-\frac{2 (x + 1) (2 x^2 - 2 x - 1)}{x^4 - 3 x^2 - 2 x + 1}$$

Sequence: A201967
Score: 16.9949
Type of gen. func.: ogf

$$\frac{1}{x^4 - 3 x^2 - 2 x + 1}$$

Sequence: A201967
Score: 6.28813
Type of gen. func.: ogf

$$(25 f(x) + 2) (f(x) x^4 - 3 f(x) x^2 - 2 f(x) x + f(x) - 1)$$

Sequence: A201967
Score: 9.82520
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 + 6 x + 2}{-x^4 + 3 x^2 + 2 x - 1}$$

Sequence: A201969
Score: 13.9828
Type of gen. func.: ogf

$$-x^2 - f(x) + f(x)^2 - f(x)^3 x$$

Sequence: A201975
Score: 10.0775
Type of gen. func.: ogf

$$7 x^3 - 24 x^2 + 14 x + 4$$

$$\frac{}{(x - 1)^{4}}$$

Sequence: A201975
Score: 15.6235
Type of gen. func.: lgdogf

$$- \frac{7 x^{3} - 27 x^{2} - 6 x + 30}{(x - 1) (7 x^{3} - 24 x^{2} + 14 x + 4)}$$

Sequence: A201975
Score: 3.80921
Type of gen. func.: ogf

$$\{(2215 n^{2} + 12888 n + 16916) a(n + 1) + (-4613 n^{2} - 25631 n - 34340) a(n + 2)$$
$$+ (2398 n^{2} + 12194 n + 15000) a(n + 3), a(0) = 4, a(1) = 30, a(2) = 72\}$$

Sequence: A201975
Score: 5.41581
Type of gen. func.: ogf

$$(812 f(x) + 7498077) ($$
$$f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 7 x^{3} - 4 f(x) x + 24 x^{2} + f(x) - 14 x - 4$$
$$)$$

Sequence: A201975
Score: 9.36616
Type of gen. func.: lgdogf

$$- \frac{7 x^{3} - 27 x^{2} - 6 x + 30}{7 x^{4} - 31 x^{3} + 38 x^{2} - 10 x - 4}$$

Sequence: A201976
Score: 4.87560

Type of gen. func.: ogf

$$-\frac{4\,(48\,x^6 - 41\,x^5 - 69\,x^4 + 257\,x^3 + 238\,x^2 + 11\,x + 1)}{(x - 1)^7}$$

Sequence: A201996
Score: 10.9269
Type of gen. func.: egf]

$$-5\,f(x)^2\,x + 2\,f(x)^2 + 4\,f(x)\,x - 2\,f(x) - x$$

Sequence: A201996
Score: 14.0265
Type of gen. func.: lgdegf]

$$-\frac{3\,I\,x - I + (x^2 + 2\,x - 1)^{1/2}}{(5\,x - 2)\,x\,(x^2 + 2\,x - 1)^{1/2}}$$

Sequence: A201996
Score: 4.69214
Type of gen. func.: egf]

$\{-5\,n\,a(n) + (-8\,n - 15)\,a(n + 1) + (9\,n + 21)\,a(n + 2) + (-2\,n - 6)\,a(n + 3),$

$a(0) = 1, a(1) = 1, a(2) = 2\}$

Sequence: A201996
Score: 8.48579
Type of gen. func.: lgdegf]

$$-\frac{(3\,x - 1)\,I}{x\,(x^2 + 2\,x - 1)^{1/2}\,(5\,x - 2)} - \frac{1}{x\,(5\,x - 2)}$$

Sequence: A202012
Score: 11.9666
Type of gen. func.: ogf

$$\frac{x^2 - x + 1}{(x^3 + x^2 + x - 1)\,(x - 1)}$$

Sequence: A202012
Score: 6.6761
Type of gen. func.: ogf

$$(32 f(x) + 41)\,(f(x)\,x^4 - 2 f(x)\,x - x^2 + f(x) + x - 1)$$

Sequence: A202012
Score: 9.84710
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 3 x^4 + 4 x^3 + 2 x^2 - 2 x - 1}{(x - 1)\,(x^2 - x + 1)\,(x^3 + x^2 + x - 1)}$$

Sequence: A202018
Score: 11.1423
Type of gen. func.: lgdogf

$$-\frac{-41 x^2 + 78 x - 43}{-41 x^3 + 121 x^2 - 121 x + 41}$$

Sequence: A202018
Score: 12.7092
Type of gen. func.: ogf

$$-\frac{41 x^2 - 80 x + 41}{(x - 1)^3}$$

Sequence: A202018
Score: 19.9456
Type of gen. func.: lgdogf

$$-\frac{41x^2-78x+43}{(x-1)(41x^2-80x+41)}$$

Sequence: A202018
Score: 6.89314
Type of gen. func.: ogf

$$(31f(x)+2964)(f(x)x^3-3f(x)x^2+3f(x)x+41x^2-f(x)-80x+41)$$

Sequence: A202018
Score: 7.07296
Type of gen. func.: ogf

$$\{a(n+3)-3a(n+2)+3a(n+1)-a(n),\ a(0)=41,\ a(1)=43,\ a(2)=47\}$$

Sequence: A202020
Score: 4.7958
Type of gen. func.: ogf

$$-f(x)^2x^4+4f(x)^2x^3-2f(x)^2x^2+2f(x)x^2-4f(x)x+f(x)-1$$

Sequence: A202048
Score: 4.76029
Type of gen. func.: ogf

$$-\frac{12(12x^6-83x^5+245x^4-398x^3+380x^2-207x+53)}{(x-1)^7}$$

Sequence: A202049
Score: 3.89055
Type of gen. func.: ogf

$$-\frac{14(14x^7-111x^6+384x^5-755x^4+918x^3-699x^2+316x-69)}{{}^{8}}$$

$$(x - 1)$$

Sequence: A202050
Score: 3.41696
Type of gen. func.: ogf

$$- 16 (16 x^8 - 143 x^7 + 567 x^6 - 1307 x^5 + 1925 x^4 - 1869 x^3 + 1183 x^2 - 457 x + 87) / (x - 1)^9$$

Sequence: A202065
Score: 3.81659
Type of gen. func.: ogf

$$\{(4 n^3 + 24 n^2 + 47 n + 30) a(n + 1) + (4 n^2 + 18 n + 20) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 0, a(2) = 3\}$$

Sequence: A202066
Score: 6.27285
Type of gen. func.: ogf

$$\{(-144 n^3 - 792 n^2 - 1436 n - 858) a(n + 1) + (n + 3) a(n + 2), a(0) = 1, a(1) = 35\}$$

Sequence: A202077
Score: 5.11386
Type of gen. func.: ogf

$$- \frac{2 (x^6 + 12 x^5 + 22 x^4 + 45 x^3 + 22 x^2 + 12 x + 1)}{(x + 1)^4 (x - 1)^5}$$

Sequence: A202079
Score: 4.41618
Type of gen. func.: ogf

4 3 2

$$\frac{4 (x + 1) (3 x + 104 x + 390 x + 104 x + 3)}{(x - 1)^{8}}$$

Sequence: A202079
Score: 6.90512
Type of gen. func.: lgdogf

$$- \frac{9 x^{5} + 443 x^{4} + 2898 x^{3} + 4446 x^{2} + 1737 x + 131}{(x - 1) (x + 1) (3 x^{4} + 104 x^{3} + 390 x^{2} + 104 x + 3)}$$

Sequence: A202107
Score: 4.80670
Type of gen. func.: ogf

$$- \frac{2 (x^{6} + 72 x^{5} + 603 x^{4} + 1168 x^{3} + 603 x^{2} + 72 x + 1)}{(x - 1)^{9}}$$

Sequence: A202109
Score: 4.23728
Type of gen. func.: ogf

$$\frac{3 (x^{6} + 54 x^{5} + 405 x^{4} + 760 x^{3} + 405 x^{2} + 54 x + 1)}{(x - 1)^{10}}$$

Sequence: A202109
Score: 5.24475
Type of gen. func.: ogf

$$\{(n^{3} + 15 n^{2} + 75 n + 125) a(n + 1) + (-n^{3} - 6 n^{2} - 12 n - 8) a(n + 2),$$

$$a(0) = 3, a(1) = 192\}$$

Sequence: A202117
Score: 6.99101
Type of gen. func.: ogf

$$-\frac{2x^7+2x^6+6x^5+2x^4+3x^3-2x^2-x-3}{(x^3+x-1)(x-1)}$$

Sequence: A202125
Score: 4.42038
Type of gen. func.: ogf

$$-\frac{x^8-2x^7+19x^6+70x^5+154x^4+178x^3+151x^2+70x+19}{(x^2+x+1)^2(x-1)^5}$$

Sequence: A202141
Score: 11.7742
Type of gen. func.: lgdogf

$$-\frac{-34x^2-42x-2}{-34x^3+47x^2-18x+5}$$

Sequence: A202141
Score: 12.8955
Type of gen. func.: ogf

$$-\frac{34x^2-13x+5}{(x-1)^3}$$

Sequence: A202141
Score: 19.9344
Type of gen. func.: lgdogf

$$-\frac{2(17x^2+21x+1)}{(x-1)(34x^2-13x+5)}$$

Sequence: A202141
Score: 6.29782
Type of gen. func.: ogf

$$-(1002508 f(x) - 9104723) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 34 x^2 - f(x) - 13 x + 5)$$

Sequence: A202141
Score: 7.18955
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 5, a(1) = 2, a(2) = 25\}$$

Sequence: A202155
Score: 12.0270
Type of gen. func.: ogf

$$\frac{18 (x + 1)}{x^2 - 1298 x + 1}$$

Sequence: A202155
Score: 15.9840
Type of gen. func.: lgdogf

$$-\frac{x^2 + 2 x - 1299}{(x + 1) (x^2 - 1298 x + 1)}$$

Sequence: A202155
Score: 6.07422
Type of gen. func.: ogf

$$(843050 f(x) + 11709) (f(x) x^2 - 1298 f(x) x + f(x) - 18 x - 18)$$

Sequence: A202155
Score: 6.68164
Type of gen. func.: ogf

$$\{-a(n + 2) + 1298 a(n + 1) - a(n), a(0) = 18, a(1) = 23382\}$$

Sequence: A202156
Score: 12.1139
Type of gen. func.: ogf

$$-\frac{5 (x - 1)}{x^2 - 1298 x + 1}$$

Sequence: A202156
Score: 15.8758
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x + 1297}{(x - 1) (x^2 - 1298 x + 1)}$$

Sequence: A202156
Score: 5.75711
Type of gen. func.: ogf

$$-(1683504 f(x) - 6475) (f(x) x^2 - 1298 f(x) x + f(x) + 5 x - 5)$$

Sequence: A202156
Score: 6.60760
Type of gen. func.: ogf

$$\{a(n + 2) - 1298 a(n + 1) + a(n), a(0) = 5, a(1) = 6485\}$$

Sequence: A202174
Score: 2.76893
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x + x^2 - f(x) + 111111109 x + 1$$

Sequence: A202195
Score: 13.4219
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^3-14\,x^2+25\,x-20)}{(x-1)\,(6\,x^3-23\,x^2+32\,x-18)}$$

Sequence: A202195
Score: 4.04591
Type of gen. func.: ogf

$$\{(4\,n^2+32\,n+48)\,a(n+1)+(-n^2+13\,n+50)\,a(n+2)$$
$$+(-3\,n^2-24\,n-45)\,a(n+3),\ a(0)=108,\ a(1)=240,\ a(2)=450\}$$

Sequence: A202195
Score: 4.95091
Type of gen. func.: ogf

$$(3951\,f(x)+235739)\,(f(x)\,x^4-4\,f(x)\,x^3+6\,f(x)\,x^2+36\,x^3-4\,f(x)\,x$$
$$-138\,x^2+f(x)+192\,x-108)$$

Sequence: A202195
Score: 8.64987
Type of gen. func.: lgdogf

$$-\frac{-6\,x^3+28\,x^2-50\,x+40}{-6\,x^4+29\,x^3-55\,x^2+50\,x-18}$$

Sequence: A202195
Score: 8.95880
Type of gen. func.: ogf

$$-\frac{6\,(6\,x^3-23\,x^2+32\,x-18)}{(x-1)^4}$$

Sequence: A202196
Score: 10.6011
Type of gen. func.: lgdogf

$$-\frac{2(4x^4 - 23x^3 + 54x^2 - 65x + 40)}{(x-1)(8x^4 - 39x^3 + 75x^2 - 70x + 30)}$$

Sequence: A202196
Score: 3.97155
Type of gen. func.: ogf

$$\{(2n^2 + 18n + 28)a(n+1) + (-n^2 + 2n + 16)a(n+2)$$
$$+ (-n^2 - 8n - 15)a(n+3), a(0) = 240, a(1) = 640, a(2) = 1400\}$$

Sequence: A202196
Score: 7.06478
Type of gen. func.: ogf

$$-\frac{8(8x^4 - 39x^3 + 75x^2 - 70x + 30)}{(x-1)^5}$$

Sequence: A202197
Score: 3.76135
Type of gen. func.: ogf

$$\{(8n^2 + 80n + 128)a(n+1) + (-5n^2 - n + 46)a(n+2)$$
$$+ (-3n^2 - 24n - 45)a(n+3), a(0) = 450, a(1) = 1400, a(2) = 3500\}$$

Sequence: A202197
Score: 5.56798
Type of gen. func.: ogf

$$10(10x^5 - 59x^4 + 144x^3 - 185x^2 + 130x - 45)$$

$$-\frac{\quad}{(x-1)^{6}}$$

Sequence: A202197
Score: 7.79398
Type of gen. func.: lgdogf

$$-\frac{2\,(5\,x^{5}-34\,x^{4}+98\,x^{3}-154\,x^{2}+140\,x-70)}{(x-1)\,(10\,x^{5}-59\,x^{4}+144\,x^{3}-185\,x^{2}+130\,x-45)}$$

Sequence: A202198
Score: 3.60808
Type of gen. func.: ogf

$$\{(10\,n^{2}+110\,n+180)\,a(n+1)+(-7\,n^{2}-8\,n+44)\,a(n+2)$$

$$+(-3\,n^{2}-24\,n-45)\,a(n+3),\ a(0)=756,\ a(1)=2688,\ a(2)=7560\}$$

Sequence: A202198
Score: 4.66350
Type of gen. func.: ogf

$$-\frac{12\,(12\,x^{6}-83\,x^{5}+245\,x^{4}-399\,x^{3}+385\,x^{2}-217\,x+63)}{(x-1)^{7}}$$

Sequence: A202199
Score: 3.50995
Type of gen. func.: ogf

$$\{(4\,n^{2}+48\,n+80)\,a(n+1)+(-3\,n^{2}-5\,n+14)\,a(n+2)$$

$$+(-n^{2}-8\,n-15)\,a(n+3),\ a(0)=1176,\ a(1)=4704,\ a(2)=14700\}$$

Sequence: A202199
Score: 3.85889
Type of gen. func.: ogf

$$-\frac{14\,(14\,x^{7} - 111\,x^{6} + 384\,x^{5} - 756\,x^{4} + 924\,x^{3} - 714\,x^{2} + 336\,x - 84)}{(x - 1)^{8}}$$

Sequence: A202200
Score: 3.35732
Type of gen. func.: ogf

$$-16\,(16\,x^{8} - 143\,x^{7} + 567\,x^{6} - 1308\,x^{5} + 1932\,x^{4} - 1890\,x^{3} + 1218\,x^{2} - 492\,x + 108) \Big/ (x - 1)^{9}$$

Sequence: A202200
Score: 3.37463
Type of gen. func.: ogf

$$\{(14\,n^{2} + 182\,n + 308)\,a(n + 1) + (-11\,n^{2} - 22\,n + 40)\,a(n + 2) + (-3\,n^{2} - 24\,n - 45)\,a(n + 3),\ a(0) = 1728,\ a(1) = 7680,\ a(2) = 26400\}$$

Sequence: A202201
Score: 3.31236
Type of gen. func.: ogf

$$\{(16\,n^{2} + 224\,n + 384)\,a(n + 1) + (-13\,n^{2} - 29\,n + 38)\,a(n + 2) + (-3\,n^{2} - 24\,n - 45)\,a(n + 3),\ a(0) = 2430,\ a(1) = 11880,\ a(2) = 44550\}$$

Sequence: A202206
Score: 10.0224
Type of gen. func.: lgdogf

$$-\frac{3\,x^{2} - 6\,x - 2}{3\,x^{3} - 4\,x + 1}$$

Sequence: A202206
Score: 12.4723
Type of gen. func.: ogf

$$\frac{x-1}{3x^2+3x-1}$$

Sequence: A202206
Score: 15.6775
Type of gen. func.: lgdogf

$$-\frac{3x^2-6x-2}{(x-1)(3x^2+3x-1)}$$

Sequence: A202206
Score: 6.45119
Type of gen. func.: ogf

$$(93 f(x) - 77) (3 f(x) x^2 + 3 f(x) x - f(x) - x + 1)$$

Sequence: A202206
Score: 6.84455
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A202207
Score: 12.1262
Type of gen. func.: ogf

$$\frac{x-1}{x^3-x^2+3x-1}$$

Sequence: A202207
Score: 15.3538
Type of gen. func.: lgdogf

$$-\frac{2\,(x^3 - 2\,x^2 + x - 1)}{(x - 1)\,(x^3 - x^2 + 3\,x - 1)}$$

Sequence: A202207
Score: 5.73829
Type of gen. func.: ogf

$$\{-a(n + 3) + 3\,a(n + 2) - a(n + 1) + a(n),\ a(0) = 1,\ a(1) = 2,\ a(2) = 5\}$$

Sequence: A202207
Score: 6.12084
Type of gen. func.: ogf

$$(14\,f(x) - 11)\,(f(x)\,x^3 - f(x)\,x^2 + 3\,f(x)\,x - f(x) - x + 1)$$

Sequence: A202207
Score: 8.03361
Type of gen. func.: lgdogf

$$-\frac{-2\,x^3 + 4\,x^2 - 2\,x + 2}{-x^4 + 2\,x^3 - 4\,x^2 + 4\,x - 1}$$

Sequence: A202253
Score: 11.4014
Type of gen. func.: lgdogf

$$-\frac{x^6 + 6\,x^4 + 18\,x^3 + 22\,x^2 + 16\,x + 9}{(x - 1)\,(x^2 + x + 1)\,(x^4 - x^3 + 2\,x^2 + 3\,x + 3)}$$

Sequence: A202253
Score: 8.87168
Type of gen. func.: ogf

4   3   2

$$-\frac{x - x + 2 x + 3 x + 3}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A202254
Score: 10.5327
Type of gen. func.: lgdogf

$$-\frac{x^5 - 5 x^4 - 14 x^3 - 58 x^2 - 69 x - 31}{(x - 1) (x + 1) (x^4 - 4 x^3 - 2 x^2 - 10 x - 7)}$$

Sequence: A202254
Score: 8.22352
Type of gen. func.: ogf

$$-\frac{x^4 - 4 x^3 - 2 x^2 - 10 x - 7}{(x + 1) (x - 1)^4}$$

Sequence: A202270
Score: 4.25613
Type of gen. func.: ogf

$$\frac{(100 x^2 + 10 x + 1) (1000000 x^6 + 1000 x^3 + 1)}{(10 x - 1) (100000000 x^9 - 1)}$$

Sequence: A202270
Score: 6.12286
Type of gen. func.: ogf

$$-(5 f(x) x - 11 f(x) + 215 x + 11) (100 f(x) x^2 - 20 f(x) x + f(x) - 1)^2$$

Sequence: A202274
Score: 13.0625
Type of gen. func.: ogf

$$\frac{3072 x^{13} + 18 x^{6} + 7 x^{5} - 1}{2 x - 1}$$

Sequence: A202274
Score: 9.58484
Type of gen. func.: lgdogf

$$\frac{73728 x^{13} - 39936 x^{12} + 180 x^{6} - 52 x^{5} - 35 x^{4} + 2}{(2 x - 1) (3072 x^{13} + 18 x^{6} + 7 x^{5} - 1)}$$

Sequence: A202299
Score: 10.8686
Type of gen. func.: lgdogf

$$- \frac{2 x - 34}{x^{2} - 34 x + 1}$$

Sequence: A202299
Score: 14.3007
Type of gen. func.: ogf

$$\frac{4 x}{x^{2} - 34 x + 1}$$

Sequence: A202299
Score: 23.2656
Type of gen. func.: lgdogf

$$- \frac{2 (-17 + x)}{x^{2} - 34 x + 1}$$

Sequence: A202299
Score: 6.62717
Type of gen. func.: ogf

$$\{a(n+2) - 34\,a(n+1) + a(n),\ a(0) = 0,\ a(1) = 4\}$$

Sequence: A202299
Score: 9.05712
Type of gen. func.: ogf

$$-f(x)\,x^2 + 34\,f(x)\,x - f(x) + 4\,x$$

Sequence: A202310
Score: 3.64363
Type of gen. func.: ogf

$$-(72\,x^8 - 290\,x^7 - 213\,x^6 + 1184\,x^5 - 45\,x^4 - 1225\,x^3 + 314\,x^2 + 315\,x - 108) \Big/ ((x-1)\,(2\,x-1)\,(x+1)\,(x^2 - 4\,x + 1)\,(x^2 + x - 1)\,(x^2 - x - 1))$$

Sequence: A202330
Score: 10.5276
Type of gen. func.: lgdogf

$$-\frac{13\,x^4 - 70\,x^3 + 153\,x^2 - 168\,x + 82}{(x-1)\,(13\,x^4 - 61\,x^3 + 112\,x^2 - 98\,x + 36)}$$

Sequence: A202330
Score: 7.54360
Type of gen. func.: ogf

$$-\frac{13\,x^4 - 61\,x^3 + 112\,x^2 - 98\,x + 36}{(x-1)^5}$$

Sequence: A202331
Score: 5.86605
Type of gen. func.: ogf

$$15\,x^5 - 86\,x^4 + 203\,x^3 - 250\,x^2 + 165\,x - 49$$

$$-\frac{}{(x-1)^{6}}$$

Sequence: A202331
Score: 7.73117
Type of gen. func.: lgdogf

$$-\frac{15 x^{5} - 97 x^{4} + 265 x^{3} - 391 x^{2} + 325 x - 129}{(x - 1) (15 x^{5} - 86 x^{4} + 203 x^{3} - 250 x^{2} + 165 x - 49)}$$

Sequence: A202332
Score: 5.26006
Type of gen. func.: ogf

$$-\frac{17 x^{6} - 115 x^{5} + 331 x^{4} - 523 x^{3} + 485 x^{2} - 257 x + 64}{(x - 1)^{7}}$$

Sequence: A202333
Score: 4.47860
Type of gen. func.: ogf

$$-\frac{19 x^{7} - 148 x^{6} + 502 x^{5} - 966 x^{4} + 1148 x^{3} - 854 x^{2} + 378 x - 81}{(x - 1)^{8}}$$

Sequence: A202334
Score: 3.69050
Type of gen. func.: ogf

$$- (21 x^{8} - 185 x^{7} + 722 x^{6} - 1636 x^{5} + 2366 x^{4} - 2254 x^{3} + 1400 x^{2} - 532 x + 100) / (x - 1)^{9}$$

Sequence: A202337
Score: 10.4162

Type of gen. func.: ogf

$$(f(x) + 3) (-6 x^{3} + 3 f(x) x - f(x) - x + 1)$$

Sequence: A202337
Score: 17.3603
Type of gen. func.: ogf

$$\frac{6 x^{3} + x - 1}{3 x - 1}$$

Sequence: A202337
Score: 20.2038
Type of gen. func.: lgdogf

$$\frac{2 (18 x^{3} - 9 x^{2} + 1)}{(3 x - 1) (6 x^{3} + x - 1)}$$

Sequence: A202337
Score: 8.05375
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 3), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 12\}$$

Sequence: A202337
Score: 9.88878
Type of gen. func.: lgdogf

$$- \frac{36 x^{3} - 18 x^{2} + 2}{-18 x^{4} + 6 x^{3} - 3 x^{2} + 4 x - 1}$$

Sequence: A202349
Score: 13.6793
Type of gen. func.: ogf

2

$$-\frac{3 x + 1}{(2 x - 1) (x^2 - x + 1)}$$

Sequence: A202349
Score: 6.75984
Type of gen. func.: lgdogf

$$-\frac{3 x^8 - 12 x^7 + 8 x^6 + 10 x^5 - 4 x^4 + 24 x^3 - 29 x^2 + 4}{(x - 1) (x + 1) (x^2 - 3 x + 1) (x^2 + x - 1) (x^3 - 2 x^2 - 1)}$$

Sequence: A202349
Score: 6.9618
Type of gen. func.: ogf

$$-(f(x) - 28) (2 f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) + 1)$$

Sequence: A202349
Score: 6.96180
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A202349
Score: 9.17320
Type of gen. func.: lgdogf

$$-\frac{-6 x^4 + 3 x^2 - 3}{-6 x^5 + 9 x^4 - 11 x^3 + 6 x^2 - 3 x + 1}$$

Sequence: A202391
Score: 10.0383
Type of gen. func.: lgdogf

$$-\frac{x^4 - 8 x^3 + 6 x^2 + 72 x - 39}{{}^{2}}$$

$$(x - 5) (x - 1) (x + 1) (x - 6 x + 1)$$

Sequence: A202391
Score: 4.78826
Type of gen. func.: ogf

$$-(22307 f(x) - 4255) (f(x) x^{3} - 7 f(x) x^{2} + 7 f(x) x - x^{2} - f(x) + 4 x + 5)$$

Sequence: A202391
Score: 5.07971
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) - 7 a(n + 1) + a(n), a(0) = 5, a(1) = 39, a(2) = 237\}$$

Sequence: A202391
Score: 9.57651
Type of gen. func.: ogf

$$\frac{(x + 1) (x - 5)}{(x - 1) (x^{2} - 6 x + 1)}$$

Sequence: A202400
Score: 3.68903
Type of gen. func.: ogf

$$-\frac{81 x^{7} - 477 x^{6} + 433 x^{5} - 2381 x^{4} - 269 x^{3} + 2401 x^{2} - 245 x + 441}{(x - 1) (x + 1) (x^{2} - 6 x + 1) (x^{4} + 6 x^{2} + 1)}$$

Sequence: A202410
Score: 12.4300
Type of gen. func.: lgdegf]

$$-\frac{3 x - 2}{2 x^{3} - 5 x^{2} + 4 x - 1}$$

Sequence: A202410
Score: 27.8576
Type of gen. func.: lgdegf]

$$-\frac{3x-2}{(2x-1)(x-1)^2}$$

Sequence: A202410
Score: 3.26798
Type of gen. func.: ogf

$$\{(-4n^3-12n^2-8n)a(n)+(-n^3+n^2+4n-4)a(n+1)+(2n^2+6n+2)a(n+2)+(-n-3)a(n+3), a(0)=1, a(1)=-2, a(2)=-1\}$$

Sequence: A202414
Score: 4.092
Type of gen. func.: ogf

$$(2101191 f(x)-8377307)\left(f(x)x^4+3f(x)x^3+f(x)x^2+13x^3+2f(x)x+43x^2-f(x)+26x+34\right)$$

Sequence: A202414
Score: 6.45646
Type of gen. func.: lgdogf

$$-\frac{13x^6+86x^5+194x^4+240x^3+285x^2+154x+94}{(13x^3+43x^2+26x+34)(x^4+3x^3+x^2+2x-1)}$$

Sequence: A202414
Score: 7.72933
Type of gen. func.: ogf

$$-\frac{13x^3+43x^2+26x+34}{}$$

$$x^4 + 3 x^3 + x^2 + 2 x - 1$$

Sequence: A202428
Score: 5.39622
Type of gen. func.: ogf

$$- \frac{6 (6 x^5 - 11 x^4 - 7 x^3 + 33 x^2 + 47 x + 18)}{x^6 - 2 x^5 - x^4 + 6 x^3 + 7 x^2 + x - 1}$$

Sequence: A202440
Score: 12.7599
Type of gen. func.: lgdogf

$$\frac{17 x^3 - 77 x^2 + 121 x - 69}{(x - 1) (2 x^4 - 25 x^3 + 76 x^2 - 91 x + 40)}$$

Sequence: A202440
Score: 5.01968
Type of gen. func.: ogf

$$(1076 f(x) + 22277) (f(x) x^4 - 4 f(x) x^3 - 4 x^4 + 6 f(x) x^2 + 50 x^3 - 4 f(x) x - 152 x^2 + f(x) + 182 x - 80)$$

Sequence: A202440
Score: 7.85256
Type of gen. func.: lgdogf

$$- \frac{-17 x^3 + 77 x^2 - 121 x + 69}{2 x^5 - 27 x^4 + 101 x^3 - 167 x^2 + 131 x - 40}$$

Sequence: A202440
Score: 8.71548
Type of gen. func.: ogf

$$\frac{2 (2 x^4 - 25 x^3 + 76 x^2 - 91 x + 40)}{(x - 1)^4}$$

Sequence: A202441
Score: 6.94449
Type of gen. func.: ogf

$$\frac{2 (7 x^5 - 48 x^4 + 87 x^3 - 13 x^2 - 94 x + 69)}{(x + 1) (x - 1)^4}$$

Sequence: A202441
Score: 8.41959
Type of gen. func.: lgdogf

$$\frac{27 x^5 - 65 x^4 - 30 x^3 + 154 x^2 - 37 x - 113}{(x - 1) (x + 1) (7 x^5 - 48 x^4 + 87 x^3 - 13 x^2 - 94 x + 69)}$$

Sequence: A202442
Score: 5.11682
Type of gen. func.: ogf

$$\frac{2 (15 x^7 - 84 x^6 + 122 x^5 + 74 x^4 - 285 x^3 + 114 x^2 + 148 x - 112)}{(x + 1)^2 (x - 1)^5}$$

Sequence: A202443
Score: 4.98489
Type of gen. func.: ogf

$$\frac{2 (28 x^7 - 137 x^6 + 176 x^5 + 133 x^4 - 424 x^3 + 141 x^2 + 220 x - 169)}{(x + 1)^2 (x - 1)^5}$$

Sequence: A202444
Score: 4.45009
Type of gen. func.: ogf

$$2 (46 x^9 - 207 x^8 + 190 x^7 + 425 x^6 - 842 x^5 - 35 x^4 + 914 x^3 - 393 x^2 - 308 x + 242) / ((x + 1)^3 (x - 1)^6)$$

Sequence: A202445
Score: 4.15263
Type of gen. func.: ogf

$$2 (71 x^9 - 300 x^8 + 233 x^7 + 651 x^6 - 1145 x^5 - 85 x^4 + 1259 x^3 - 471 x^2 - 418 x + 333) / ((x + 1)^3 (x - 1)^6)$$

Sequence: A202455
Score: 7.02006
Type of gen. func.: ogf

$$-\frac{427 x^4 - 1895 x^3 + 3196 x^2 - 2451 x + 729}{(x - 1)^5}$$

Sequence: A202455
Score: 8.75367
Type of gen. func.: lgdogf

$$-\frac{427 x^4 - 2082 x^3 + 3903 x^2 - 3412 x + 1194}{(x - 1) (427 x^4 - 1895 x^3 + 3196 x^2 - 2451 x + 729)}$$

Sequence: A202456
Score: 5.69670
Type of gen. func.: ogf

$$-\frac{517 x^5 - 2838 x^4 + 6297 x^3 - 7106 x^2 + 4124 x - 1000}{{}^{6}}$$

$$(x - 1)$$

Sequence: A202457
Score: 4.47216
Type of gen. func.: ogf

$$-\frac{613 x^{6} - 4003 x^{5} + 10983 x^{4} - 16277 x^{3} + 13841 x^{2} - 6482 x + 1331}{(x - 1)^{7}}$$

Sequence: A202458
Score: 3.96263
Type of gen. func.: ogf

$$-(715 x^{7} - 5408 x^{6} + 17650 x^{5} - 32318 x^{4} + 36022 x^{3} - 24626 x^{2} + 9687 x - 1728) \Big/ (x - 1)^{8}$$

Sequence: A202459
Score: 3.50618
Type of gen. func.: ogf

$$-(823 x^{8} - 7071 x^{7} + 26730 x^{6} - 58194 x^{5} + 80058 x^{4} - 71610 x^{3} + 40992 x^{2} - 13919 x + 2197) \Big/ (x - 1)^{9}$$

Sequence: A202462
Score: 7.02889
Type of gen. func.: ogf

$$\frac{x^{3} - 2 x^{2} - 1}{(x + 1) (x^{2} - 3 x + 1) (x^{2} + x - 1) (x - 1)^{2}}$$

Sequence: A202464
Score: 4.60051
Type of gen. func.: ogf

$$-\frac{49x^5 - 91x^4 + 281x^3 - 841x^2 - 513x - 265}{x^6 - 2x^5 + 6x^4 - 18x^3 - 8x^2 - 4x + 1}$$

Sequence: A202481
Score: 11.6608
Type of gen. func.: lgdogf

$$-\frac{2x^3 - 7x^2 + 10x + 10}{(2x - 1)(x + 1)(x^3 - 2x^2 + x + 1)}$$

Sequence: A202481
Score: 3.94312
Type of gen. func.: ogf

$$(2304126 f(x) + 3548087)(16 f(x) x^4 - 32 f(x) x^3 - x^4 + 24 f(x) x^2 + x^3 - 8 f(x) x + x^2 + f(x) - 2x - 1)$$

Sequence: A202481
Score: 7.16932
Type of gen. func.: ogf

$$\frac{(x + 1)(x^3 - 2x^2 + x + 1)}{(2x - 1)^4}$$

Sequence: A202481
Score: 7.33605
Type of gen. func.: lgdogf

$$-\frac{2x^3 - 7x^2 + 10x + 10}{2x^5 - 3x^4 - x^3 + 5x^2 - 1}$$

Sequence: A202482
Score: 22.7176
Type of gen. func.: revogf

$$-\frac{x (7 x^2 - 5 x + 1)}{(x - 1)^3}$$

Sequence: A202482
Score: 4.93103
Type of gen. func.: ogf

$$-f(x)^3 x^3 - 7 f(x)^3 x^2 + 3 f(x)^2 x^2 + 5 f(x)^2 x - 3 f(x) x - f(x) + 1$$

Sequence: A202482
Score: 8.19421
Type of gen. func.: revogf

$$-\frac{-7 x^3 + 5 x^2 - x}{-x^3 + 3 x^2 - 3 x + 1}$$

Sequence: A202493
Score: 5.53148
Type of gen. func.: ogf

$$\frac{x^5 - x^4 - 2 x^3 + 5 x^2 - 5 x - 1}{(2 x - 1)^5}$$

Sequence: A202493
Score: 8.82761
Type of gen. func.: lgdogf

$$-\frac{3 (x^4 - 4 x^3 + 8 x^2 - 10 x - 5)}{(2 x - 1) (x^5 - x^4 - 2 x^3 + 5 x^2 - 5 x - 1)}$$

Sequence: A202525
Score: 3.97774
Type of gen. func.: ogf

$$-(40 x^{9} + 103 x^{8} + 13 x^{7} - 126 x^{6} - 344 x^{5} - 138 x^{4} - 43 x^{3} + 219 x^{2} + 112 x + 86) \Big/ ((x^{3} - x^{2} - 1) (x^{7} + 3 x^{6} + 2 x^{5} - 4 x^{3} - x^{2} - x + 1))$$

Sequence: A202526
Score: 4.74609
Type of gen. func.: ogf

$$-\frac{4 x^{8} + 11 x^{7} + 97 x^{6} + 46 x^{5} - 203 x^{4} - 332 x^{3} + 48 x^{2} + 122 x + 198}{(x - 1) (x^{3} - x^{2} - 1) (x^{3} + 2 x^{2} + x - 1)}$$

Sequence: A202527
Score: 5.08632
Type of gen. func.: ogf

$$-\frac{20 x^{7} + 218 x^{6} + 114 x^{5} - 432 x^{4} - 691 x^{3} + 95 x^{2} + 250 x + 417}{(x - 1) (x^{3} - x^{2} - 1) (x^{3} + 2 x^{2} + x - 1)}$$

Sequence: A202528
Score: 4.75513
Type of gen. func.: ogf

$$-\frac{36 x^{7} + 448 x^{6} + 211 x^{5} - 879 x^{4} - 1372 x^{3} + 205 x^{2} + 452 x + 890}{(x - 1) (x^{3} - x^{2} - 1) (x^{3} + 2 x^{2} + x - 1)}$$

Sequence: A202529
Score: 4.88391
Type of gen. func.: ogf

$$-\frac{64 x^{7} + 976 x^{6} + 510 x^{5} - 1895 x^{4} - 3063 x^{3} + 438 x^{2} + 1021 x + 1940}{}$$

$$(x - 1) (x^3 - x^2 - 1) (x^3 + 2 x^2 + x - 1)$$

Sequence: A202530
Score: 4.60173
Type of gen. func.: ogf

$$- \frac{116 x^7 + 2105 x^6 + 1173 x^5 - 4048 x^4 - 6705 x^3 + 950 x^2 + 2216 x + 4184}{(x - 1) (x^3 - x^2 - 1) (x^3 + 2 x^2 + x - 1)}$$

Sequence: A202531
Score: 4.66988
Type of gen. func.: ogf

$$- \frac{211 x^7 + 4484 x^6 + 2511 x^5 - 8546 x^4 - 14248 x^3 + 2048 x^2 + 4537 x + 8994}{(x - 1) (x^3 - x^2 - 1) (x^3 + 2 x^2 + x - 1)}$$

Sequence: A202545
Score: 3.16550
Type of gen. func.: ogf

$$- \frac{2700 x^6 - 5320 x^5 + 3983 x^4 - 1484 x^3 + 290 x^2 - 28 x + 1}{(-1 + 15 x) (5 x - 1)^3 (2 x - 1)^3}$$

Sequence: A202563
Score: 4.44534
Type of gen. func.: ogf

$$\{a(n + 3) - 9603 a(n + 2) + 9603 a(n + 1) - a(n), a(0) = 1, a(1) = 12376,$$
$$a(2) = 118837251\}$$

Sequence: A202563
Score: 8.02631
Type of gen. func.: ogf

$$-\frac{126 x + 2773 x + 1}{(x - 1) (x^2 - 9602 x + 1)}$$

Sequence: A202564
Score: 4.69806
Type of gen. func.: ogf

$-(491708144 f(x) + 45510087)$

$(f(x) x^3 - 99 f(x) x^2 + 99 f(x) x - 9 x^2 - f(x) - 8 x + 1)$

Sequence: A202564
Score: 5.25545
Type of gen. func.: ogf

{a(n + 3) - 99 a(n + 2) + 99 a(n + 1) - a(n), a(0) = 1, a(1) = 91, a(2) = 8901}

Sequence: A202564
Score: 5.63766
Type of gen. func.: lgdogf

$$-\frac{9 x^4 + 16 x^3 - 1686 x^2 + 216 x - 91}{9 x^5 - 883 x^4 + 98 x^3 + 882 x^2 - 107 x + 1}$$

Sequence: A202564
Score: 9.09420
Type of gen. func.: lgdogf

$$-\frac{9 x^4 + 16 x^3 - 1686 x^2 + 216 x - 91}{(x - 1) (9 x - 1) (x + 1) (x^2 - 98 x + 1)}$$

Sequence: A202564
Score: 9.84354
Type of gen. func.: ogf

$$\frac{(x + 1) (9 x - 1)}{}$$

$$(x - 1) (x^2 - 98 x + 1)$$

Sequence: A202565
Score: 4.66273
Type of gen. func.: ogf

$$(29872207248 f(x) - 1542119375)$$

$$(f(x) x^3 - 99 f(x) x^2 + 99 f(x) x + 6 x^2 - f(x) - 43 x + 1)$$

Sequence: A202565
Score: 5.25545
Type of gen. func.: ogf

$$\{-a(n + 3) + 99 a(n + 2) - 99 a(n + 1) + a(n), a(0) = 1, a(1) = 56, a(2) = 5451\}$$

Sequence: A202565
Score: 5.48799
Type of gen. func.: lgdogf

$$- \frac{-6 x^4 + 86 x^3 - 3666 x^2 + 186 x - 56}{-6 x^5 + 637 x^4 - 4852 x^3 + 4362 x^2 - 142 x + 1}$$

Sequence: A202565
Score: 8.96046
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^4 - 43 x^3 + 1833 x^2 - 93 x + 28)}{(x - 1) (6 x^2 - 43 x + 1) (x^2 - 98 x + 1)}$$

Sequence: A202565
Score: 9.68973
Type of gen. func.: ogf

$$6 x^2 - 43 x + 1$$

$$-\frac{}{(x - 1) (x^2 - 98 x + 1)}$$

Sequence: A202584
Score: 3.29154
Type of gen. func.: ogf

$$- (36 x^9 + 23 x^8 - 210 x^7 - 192 x^6 + 343 x^5 + 510 x^4 - 102 x^3 - 456 x^2 - 28 x + 96) / ((x - 1) (x^2 + x - 1) (x^2 - x - 1) (x^5 + x^4 - 2 x^3 - 4 x^2 - 2 x + 1))$$

Sequence: A202594
Score: 3.91163
Type of gen. func.: ogf

$$-(371156 f(x) + 3577793) (f(x) x^4 - 2 f(x) x^3 - 7 f(x) x^2 + 36 x^3 - 2 f(x) x - 66 x^2 + f(x) - 258 x - 126)$$

Sequence: A202594
Score: 6.44531
Type of gen. func.: lgdogf

$$- \frac{6 x^6 - 22 x^5 - 65 x^4 + 112 x^3 + 387 x^2 + 316 x + 85}{(6 x^3 - 11 x^2 - 43 x - 21) (x^4 - 2 x^3 - 7 x^2 - 2 x + 1)}$$

Sequence: A202594
Score: 7.44624
Type of gen. func.: ogf

$$- \frac{6 (6 x^3 - 11 x^2 - 43 x - 21)}{x^4 - 2 x^3 - 7 x^2 - 2 x + 1}$$

Sequence: A202595
Score: 3.67357
Type of gen. func.: ogf

$$-\frac{10\,(10\,x^{7}+x^{6}-179\,x^{5}+62\,x^{4}+423\,x^{3}-64\,x^{2}-213\,x-51)}{x^{8}-18\,x^{6}+8\,x^{5}+43\,x^{4}-12\,x^{3}-22\,x^{2}-2\,x+1}$$

Sequence: A202604
Score: 9.58302
Type of gen. func.: ogf

$$-\frac{8\,x^{7}+4\,x^{6}+4\,x^{5}+4\,x^{4}+2\,x^{3}+x^{2}+1}{2\,x-1}$$

Sequence: A202606
Score: 4.60768
Type of gen. func.: ogf

$$-(3693602\,f(x)-4964121)$$

$$(1000\,f(x)\,x^{3}-1110\,f(x)\,x^{2}+111\,f(x)\,x+955\,x^{2}-f(x)-109\,x+1)$$

Sequence: A202606
Score: 5.29312
Type of gen. func.: ogf

$\{-a(n+3)+111\,a(n+2)-1110\,a(n+1)+1000\,a(n),\ a(0)=1,\ a(1)=2,$

$a(2)=67\}$

Sequence: A202606
Score: 7.40445
Type of gen. func.: lgdogf

$$-\frac{955000\,x^{4}-218000\,x^{3}+17985\,x^{2}-310\,x+2}{(x-1)\,(100\,x-1)\,(10\,x-1)\,(955\,x^{2}-109\,x+1)}$$

Sequence: A202606
Score: 8.77353
Type of gen. func.: ogf

$$-\frac{955 x^2 - 109 x + 1}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A202625
Score: 7.32653
Type of gen. func.: ogf

$$x (8 x^{12} + x^{10} - 32 x^9 + 9 x^8 + 48 x^6 + 90 x^5 - 3 x^4 - 32 x^3 + 63 x^2 + 2 x + 8) / ((x - 1)^4 (x^2 + x + 1)^4)$$

Sequence: A202628
Score: 6.54215
Type of gen. func.: ogf

$$\frac{5 (1536 x^5 + 4000 x^4 - 1432 x^3 + 396 x^2 - x + 1)}{(x - 1)^2 (4 x + 1)^2 (16 x - 1)^2}$$

Sequence: A202637
Score: 10.0638
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x^2 + 3 x + 2)}{x^4 - 16 x^2 + 1}$$

Sequence: A202637
Score: 5.87799
Type of gen. func.: ogf

$$-(27540 f(x) - 7811) (f(x) x^4 - 16 f(x) x^2 - 2 x^3 - 5 x^2 + f(x) - 5 x - 2)$$

Sequence: A202637
Score: 8.35257
Type of gen. func.: lgdogf

$$-\frac{2 x^6 + 10 x^5 + 47 x^4 + 8 x^3 - 86 x^2 - 74 x - 5}{(x + 1) (2 x^2 + 3 x + 2) (x^4 - 16 x^2 + 1)}$$

Sequence: A202638
Score: 5.60341
Type of gen. func.: ogf

$$-(192780 f(x) + 8059) (f(x) x^4 - 16 f(x) x^2 + x^3 + 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A202638
Score: 8.69550
Type of gen. func.: lgdogf

$$-\frac{x^6 + 4 x^5 + 10 x^4 - 4 x^3 + 29 x^2 + 28 x + 2}{(x - 1) (x^2 + 3 x + 1) (x^4 - 16 x^2 + 1)}$$

Sequence: A202638
Score: 9.67861
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^2 + 3 x + 1)}{x^4 - 16 x^2 + 1}$$

Sequence: A202640
Score: 4.11517
Type of gen. func.: ogf

$$\frac{2 (4 x^8 - 31 x^7 - 2 x^6 + 59 x^5 + 4 x^4 - 48 x^3 - 40 x^2 + 20 x + 33)}{(x - 1) (x + 1) (2 x^6 - x^5 - 3 x^4 + x^3 + 2 x^2 + 2 x - 1)}$$

Sequence: A202654
Score: 14.1780
Type of gen. func.: lgdogf

$$-\frac{4 (17 x^3 + 99 x^2 + 81 x + 13)}{(x - 1) (17 x^3 + 69 x^2 + 31 x + 3)}$$

Sequence: A202654
Score: 4.05527
Type of gen. func.: ogf

$$\{(-859 n^2 - 4670 n - 6279) a(n + 1) + (638 n^2 - 2292 n - 4524) a(n + 2)$$

$$+ (221 n^2 + 482 n + 261) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 3\}$$

Sequence: A202654
Score: 6.78209
Type of gen. func.: ogf

$$-\frac{x^2 (17 x^3 + 69 x^2 + 31 x + 3)}{(x - 1)^7}$$

Sequence: A202654
Score: 8.74137
Type of gen. func.: lgdogf

$$-\frac{68 x^3 + 396 x^2 + 324 x + 52}{17 x^4 + 52 x^3 - 38 x^2 - 28 x - 3}$$

Sequence: A202655
Score: 4.15122
Type of gen. func.: ogf

$$-\frac{x^3 (151 x^6 + 1022 x^5 + 2233 x^4 + 2132 x^3 + 1001 x^2 + 174 x + 7)}{}$$

$$(x + 1)^2 (x - 1)^9$$

Sequence: A202689
Score: 5.66919
Type of gen. func.: ogf

$$\{(-2 n^3 - 13 n^2 - 27 n - 18) a(n + 1) + 2 a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A202730
Score: 5.32493
Type of gen. func.: ogf

$$\{-a(n + 4) + 7 a(n + 3) - 10 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 2, a(3) = 14\}$$

Sequence: A202730
Score: 5.82729
Type of gen. func.: ogf

$$(95 f(x) - 143) (10 f(x) x^2 - 20 x^3 - 7 f(x) x + 2 x^2 + f(x) + 5 x - 1)$$

Sequence: A202730
Score: 8.52323
Type of gen. func.: lgdogf

$$\frac{2 (100 x^4 - 140 x^3 + 62 x^2 - 12 x + 1)}{(2 x - 1) (5 x - 1) (20 x^3 - 2 x^2 - 5 x + 1)}$$

Sequence: A202730
Score: 9.80463
Type of gen. func.: ogf

$$\frac{20 x^3 - 2 x^2 - 5 x + 1}{(5 x - 1) (2 x - 1)}$$

Sequence: A202736
Score: 3.62248
Type of gen. func.: ogf

$$\{(8 n + 24) a(n + 1) + (-4 n - 16) a(n + 2) + (-2 n - 8) a(n + 3) + (n + 5) a(n + 4), a(0) = 2, a(1) = 2, a(2) = 8, a(3) = 10\}$$

Sequence: A202736
Score: 6.37941
Type of gen. func.: ogf

$$-8 f(x)^2 x^4 + 4 f(x)^2 x^3 + 2 f(x)^2 x^2 - f(x)^2 x - 8 f(x) x^2 + 2 f(x) - 4$$

Sequence: A202752
Score: 12.0821
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^4 - 12 x^3 + 13 x^2 + x + 2)}{(x - 1) (2 x^4 - 8 x^3 + 10 x^2 - 3 x + 1)}$$

Sequence: A202752
Score: 6.58873
Type of gen. func.: ogf

$$- \frac{2 x^4 - 8 x^3 + 10 x^2 - 3 x + 1}{(x - 1)^7}$$

Sequence: A202752
Score: 7.43678
Type of gen. func.: lgdogf

$$- \frac{-6 x^4 + 24 x^3 - 26 x^2 - 2 x - 4}{-2 x^5 + 10 x^4 - 18 x^3 + 13 x^2 - 4 x + 1}$$

Sequence: A202785

Score: 5.97428
Type of gen. func.: ogf

$$-\frac{(x^2-2x+7)(x^3-4x^2-x-2)}{(x-1)^6}$$

Sequence: A202785
Score: 9.75997
Type of gen. func.: lgdogf

$$-\frac{x^5-7x^4+18x^3-70x^2-71x-87}{(x-1)(x^2-2x+7)(x^3-4x^2-x-2)}$$

Sequence: A202789
Score: 10.7644
Type of gen. func.: lgdogf

$$-\frac{2(x+1)(9x^3+3x^2-2x+3)}{(6x^3-2x^2+4x-1)(3x^2+2x+1)}$$

Sequence: A202789
Score: 11.1492
Type of gen. func.: ogf

$$-\frac{2(3x^2+2x+1)}{6x^3-2x^2+4x-1}$$

Sequence: A202789
Score: 5.5293
Type of gen. func.: ogf

$-(14597 f(x) + 22839)$

$$(6 f(x) x^3 - 2 f(x) x^2 + 4 f(x) x + 6 x^2 - f(x) + 4 x + 2)$$

Sequence: A202789
Score: 5.96582
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 2 a(n + 1) + 6 a(n), a(0) = 2, a(1) = 12, a(2) = 50\}$$

Sequence: A202789
Score: 6.80103
Type of gen. func.: lgdogf

$$-\frac{-18 x^4 - 24 x^3 - 2 x^2 - 2 x - 6}{-18 x^5 - 6 x^4 - 14 x^3 - 3 x^2 - 2 x + 1}$$

Sequence: A202790
Score: 3.46712
Type of gen. func.: ogf

$$(193326169376429 f(x) - 58852779358704) (16 f(x) x^4 + 29 f(x) x^3 + 2 f(x) x^2 + 16 x^3 + 7 f(x) x + 40 x^2 - f(x) + 22 x + 4)$$

Sequence: A202790
Score: 7.14566
Type of gen. func.: ogf

$$-\frac{2 (8 x^3 + 20 x^2 + 11 x + 2)}{16 x^4 + 29 x^3 + 2 x^2 + 7 x - 1}$$

Sequence: A202796
Score: 10.5761
Type of gen. func.: ogf

$$-\frac{2 (2 x^2 + 2 x + 1)}{4 x^3 + x^2 + 3 x - 1}$$

Sequence: A202796
Score: 10.7192
Type of gen. func.: lgdogf

$$-\frac{8 x^4 + 16 x^3 + 8 x^2 + 6 x + 5}{(2 x^2 + 2 x + 1) (4 x^3 + x^2 + 3 x - 1)}$$

Sequence: A202796
Score: 5.33178
Type of gen. func.: ogf

$$-(1241 f(x) + 3044) (4 f(x) x^3 + f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) + 4 x + 2)$$

Sequence: A202796
Score: 5.65916
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - a(n + 1) - 4 a(n), a(0) = 2, a(1) = 10, a(2) = 36\}$$

Sequence: A202796
Score: 6.51661
Type of gen. func.: lgdogf

$$-\frac{-8 x^4 - 16 x^3 - 8 x^2 - 6 x - 5}{-8 x^5 - 10 x^4 - 12 x^3 - 5 x^2 - x + 1}$$

Sequence: A202797
Score: 4.33648
Type of gen. func.: ogf

$$-\frac{2 (8 x^7 + 16 x^6 - 7 x^5 - 20 x^4 - 5 x^2 - 4 x - 2)}{16 x^8 + 22 x^7 - 24 x^6 - 25 x^5 + 3 x^4 - 19 x^3 + 3 x^2 - 7 x + 1}$$

Sequence: A202803

Score: 14.1727
Type of gen. func.: ogf

$$-\frac{2 x (2 x + 3)}{(x - 1)^3}$$

Sequence: A202803
Score: 16.4866
Type of gen. func.: lgdogf

$$-\frac{4 x + 11}{2 x^2 + x - 3}$$

Sequence: A202803
Score: 34.6242
Type of gen. func.: lgdogf

$$-\frac{4 x + 11}{(2 x + 3) (x - 1)}$$

Sequence: A202803
Score: 6.90464
Type of gen. func.: ogf

$$-(2025 f(x) - 7448) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) + 6 x)$$

Sequence: A202803
Score: 7.21288
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 6, a(2) = 22}

Sequence: A202804
Score: 13.9796
Type of gen. func.: ogf

$$-\frac{2 x (x + 5)}{\quad^3}$$

$$(x - 1)$$

Sequence: A202804
Score: 16.5473
Type of gen. func.: lgdogf

$$-\frac{2 x + 16}{x^2 + 4 x - 5}$$

Sequence: A202804
Score: 39.9699
Type of gen. func.: lgdogf

$$-\frac{2 (x + 8)}{(x + 5) (x - 1)}$$

Sequence: A202804
Score: 7.0506
Type of gen. func.: ogf

$$(5454 f(x) - 31031) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x) + 10 x)$$

Sequence: A202804
Score: 7.17539
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 10, a(2) = 32\}$$

Sequence: A202807
Score: 5.99808
Type of gen. func.: ogf

$$\frac{x^5 - 6 x^4 + 12 x^3 - 11 x^2 + x - 1}{(x - 1)^7}$$

Sequence: A202807
Score: 9.91476
Type of gen. func.: lgdogf

$$-\frac{2x^5-13x^4+24x^3-19x^2-16x-6}{(x-1)(x^5-6x^4+12x^3-11x^2+x-1)}$$

Sequence: A202814
Score: 3.86123
Type of gen. func.: ogf

$$\{(-24n^2-120n-144)\,a(n+1)+(4n^2+24n+36)\,a(n+2)+(6n^2+42n+74)\,a(n+3)+(-n^2-8n-16)\,a(n+4),\ a(0)=1,\ a(1)=2,\ a(2)=8,\ a(3)=32\}$$

Sequence: A202824
Score: 24.9288
Type of gen. func.: lgdegf]

$$4(x+1)^3$$

Sequence: A202824
Score: 3.61661
Type of gen. func.: egf]

$$\{(n+5)\,a(n+5)-4\,a(n+4)-12\,a(n+3)-12\,a(n+2)-4\,a(n+1),\ a(0)=1,\ a(1)=4,\ a(2)=14,\ a(3)=116/3,\ a(4)=281/3\}$$

Sequence: A202824
Score: 76.2247
Type of gen. func.: lgdegf]

$$4(x+1)^3$$

Sequence: A202825
Score: 24.0813

Type of gen. func.: lgdegf]

$$5 (x + 1)^4$$

Sequence: A202825
Score: 73.6110
Type of gen. func.: lgdegf]

$$5 (x + 1)^4$$

Sequence: A202826
Score: 12.7404
Type of gen. func.: lgdegf]

$$- \frac{3}{-x^4 + 4 x^3 - 6 x^2 + 4 x - 1}$$

Sequence: A202826
Score: 72.3024
Type of gen. func.: lgdegf]

$$\frac{3}{(x - 1)^4}$$

Sequence: A202827
Score: 11.0936
Type of gen. func.: lgdegf]

$$- \frac{x^2 - 5 x - 4}{x^3 - x^2 - x + 1}$$

Sequence: A202827
Score: 25.8520
Type of gen. func.: lgdegf]

2

$$-\frac{x - 5 x - 4}{(x + 1) (x - 1)^2}$$

Sequence: A202827
Score: 3.36487
Type of gen. func.: ogf

$$\{(n^3 + 7 n^2 + 16 n + 12) a(n + 1) + (-n^2 - 10 n - 21) a(n + 2) + (-n - 7) a(n + 3) + a(n + 4), a(0) = 1, a(1) = 4, a(2) = 25, a(3) = 196\}$$

Sequence: A202828
Score: 10.9624
Type of gen. func.: lgdegf]

$$-\frac{8 x^2 - 12 x - 4}{8 x^3 - 4 x^2 - 2 x + 1}$$

Sequence: A202828
Score: 19.4660
Type of gen. func.: lgdegf]

$$-\frac{4 (2 x^2 - 3 x - 1)}{(2 x + 1) (2 x - 1)^2}$$

Sequence: A202828
Score: 3.32969
Type of gen. func.: ogf

$$\{(8 n^3 + 56 n^2 + 128 n + 96) a(n + 1) + (-4 n^2 - 32 n - 60) a(n + 2) + (-2 n - 10) a(n + 3) + a(n + 4), a(0) = 1, a(1) = 4, a(2) = 36, a(3) = 400\}$$

Sequence: A202829
Score: 10.0947

Type of gen. func.: lgdegf]

$$-\frac{27 x^2 - 21 x - 4}{27 x^3 - 9 x^2 - 3 x + 1}$$

Sequence: A202829
Score: 18.9939
Type of gen. func.: lgdegf]

$$-\frac{27 x^2 - 21 x - 4}{(3 x + 1) (3 x - 1)^2}$$

Sequence: A202829
Score: 3.20544
Type of gen. func.: egf]

{(n + 4) a(n + 4) + (-13 - 3 n) a(n + 3) + (-39 - 9 n) a(n + 2)

+ (54 + 27 n) a(n + 1), a(0) = 1, a(1) = 4, a(2) = 49/2, a(3) = 338/3}

Sequence: A202830
Score: 6.38303
Type of gen. func.: ogf

{(3 n + 6) a(n + 1) - a(n + 3) + 2 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 7}

Sequence: A202831
Score: 17.3056
Type of gen. func.: lgdegf]

$$-\frac{125 x^2 - 45 x - 4}{(5 x + 1) (5 x - 1)^2}$$

Sequence: A202831
Score: 3.04504
Type of gen. func.: egf]

$$\{(n + 4) a(n + 4) + (-19 - 5 n) a(n + 3) + (-95 - 25 n) a(n + 2)$$

$$+ (250 + 125 n) a(n + 1), a(0) = 1, a(1) = 4, a(2) = 81/2, a(3) = 722/3\}$$

Sequence: A202831
Score: 9.30911
Type of gen. func.: lgdegf]

$$- \frac{125 x^{2} - 45 x - 4}{125 x^{3} - 25 x^{2} - 5 x + 1}$$

Sequence: A202832
Score: 6.37638
Type of gen. func.: ogf

$$\{(-5 n - 10) a(n + 1) + a(n + 3) - 2 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 9\}$$

Sequence: A202833
Score: 22.1939
Type of gen. func.: lgdegf]

$$- \frac{x^{2} - 10 x - 9}{(x + 1) (x - 1)^{2}}$$

Sequence: A202833
Score: 3.14921
Type of gen. func.: egf]

$$\{(-n - 4) a(n + 4) + (12 + n) a(n + 3) + (12 + n) a(n + 2) + (-2 - n) a(n + 1),$$

$$a(0) = 1, a(1) = 9, a(2) = 50, a(3) = 216\}$$

Sequence: A202833
Score: 9.73832
Type of gen. func.: lgdegf]

$$- \frac{x^{2} - 10 x - 9}{}$$

$$x^3 - x^2 - x + 1$$

Sequence: A202834
Score: 6.38366
Type of gen. func.: ogf

$$\{(n + 2) a(n + 1) - a(n + 3) + 3 a(n + 2), a(0) = 1, a(1) = 3, a(2) = 10\}$$

Sequence: A202835
Score: 10.6277
Type of gen. func.: lgdegf]

$$- \frac{8 x^2 - 22 x - 9}{8 x^3 - 4 x^2 - 2 x + 1}$$

Sequence: A202835
Score: 19.4068
Type of gen. func.: lgdegf]

$$- \frac{8 x^2 - 22 x - 9}{(2 x + 1) (2 x - 1)^2}$$

Sequence: A202835
Score: 3.27392
Type of gen. func.: egf]

$$\{(n + 4) a(n + 4) + (-15 - 2 n) a(n + 3) + (-30 - 4 n) a(n + 2)$$

$$+ (16 + 8 n) a(n + 1), a(0) = 1, a(1) = 9, a(2) = 121/2, a(3) = 675/2\}$$

Sequence: A202836
Score: 18.1798
Type of gen. func.: lgdegf]

$$- \frac{64 x^2 - 52 x - 9}{(4 x + 1) (-1 + 4 x)^2}$$

Sequence: A202836
Score: 3.09676
Type of gen. func.: egf]

$$\{(n + 4) a(n + 4) + (-21 - 4 n) a(n + 3) + (-84 - 16 n) a(n + 2) + (128 + 64 n) a(n + 1), a(0) = 1, a(1) = 9, a(2) = 169/2, a(3) = 1323/2\}$$

Sequence: A202836
Score: 9.79124
Type of gen. func.: lgdegf]

$$-\frac{64 x^2 - 52 x - 9}{64 x^3 - 16 x^2 - 4 x + 1}$$

Sequence: A202837
Score: 5.79245
Type of gen. func.: ogf

$$\{(4 n + 8) a(n + 1) - a(n + 3) + 3 a(n + 2), a(0) = 1, a(1) = 3, a(2) = 13\}$$

Sequence: A202840
Score: 5.06402
Type of gen. func.: ogf

$$(5 f(x) + 2) (f(x)^2 x^4 + f(x) x^5 - 2 f(x) x^4 - f(x) x^3 + x^4 + f(x) x^2 + f(x) x - x^2 - f(x) + 1)$$

Sequence: A202850
Score: 7.63474
Type of gen. func.: ogf

$$-f(x)^2 x^2 - f(x) x^3 + 2 f(x) x^2 - f(x) x - x^2 + f(x) - 1$$

Sequence: A202865
Score: 14.7385
Type of gen. func.: lgdogf

$$-\frac{3\,(x-7)\,(x^2+4\,x+1)}{(x-1)\,(x^3-3\,x^2-15\,x-1)}$$

Sequence: A202865
Score: 3.56231
Type of gen. func.: ogf

$$\{(-7\,n^2-67\,n-156)\,a(n+1)+(26\,n^2+228\,n+478)\,a(n+2)$$
$$+(-19\,n^2-101\,n-132)\,a(n+3),\ a(0)=2,\ a(1)=42,\ a(2)=228\}$$

Sequence: A202865
Score: 6.97772
Type of gen. func.: ogf

$$-\frac{2\,(x^3-3\,x^2-15\,x-1)}{(x-1)^6}$$

Sequence: A202865
Score: 8.05761
Type of gen. func.: lgdogf

$$-\frac{-3\,x^3+9\,x^2+81\,x+21}{-x^4+4\,x^3+12\,x^2-14\,x-1}$$

Sequence: A202878
Score: 2.90003
Type of gen. func.: egf]

$$\{(-n-4)\,a(n+4)+(19+n)\,a(n+3)+(19+n)\,a(n+2)+(-2-n)\,a(n+1),$$
$$a(0)=1,\ a(1)=16,\ a(2)=289/2,\ a(3)=2888/3\}$$

Sequence: A202878
Score: 20.8094
Type of gen. func.: lgdegf]

$$-\frac{x^2 - 17 x - 16}{(x + 1) (x - 1)^2}$$

Sequence: A202878
Score: 9.31526
Type of gen. func.: lgdegf]

$$-\frac{x^2 - 17 x - 16}{x^3 - x^2 - x + 1}$$

Sequence: A202879
Score: 6.32939
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 1) + a(n + 3) - 4 a(n + 2), a(0) = 1, a(1) = 4, a(2) = 17\}$$

Sequence: A202882
Score: 10.0029
Type of gen. func.: lgdogf

$$-\frac{x^8 + 5 x^6 + 8 x^4 + 3 x^2 + 3}{(x^5 - x^4 + 4 x^3 - 3 x^2 + 3 x - 1) (x^4 + 3 x^2 + 1)}$$

Sequence: A202882
Score: 4.47524
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^5 - f(x) x^4 + 4 f(x) x^3 + x^4 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) + 1)$$

Sequence: A202882
Score: 8.56375
Type of gen. func.: ogf

$$-\frac{x^4 + 3 x^2 + 1}{x^5 - x^4 + 4 x^3 - 3 x^2 + 3 x - 1}$$

Sequence: A202883
Score: 6.32099
Type of gen. func.: ogf

$$-\frac{36 x^4 + 51 x^3 + 49 x^2 + 17 x + 3}{36 x^5 + 25 x^4 + 46 x^3 + 2 x^2 + 6 x - 1}$$

Sequence: A202900
Score: 4.82681
Type of gen. func.: ogf

$$(35 f(x) + 61)$$

$$(4 f(x) x^4 - 4 f(x) x^3 + 4 f(x) x^2 + 4 x^3 - 4 f(x) x - 2 x^2 + f(x) - 1)$$

Sequence: A202900
Score: 8.92630
Type of gen. func.: ogf

$$-\frac{4 x^3 - 2 x^2 - 1}{4 x^4 - 4 x^3 + 4 x^2 - 4 x + 1}$$

Sequence: A202900
Score: 9.12268
Type of gen. func.: lgdogf

$$-\frac{4 (x - 1) (2 x^2 - 1) (2 x^3 + 1)}{}$$

3   2   4   3   2

$$(4 x - 2 x - 1) (4 x - 4 x + 4 x - 4 x + 1)$$

Sequence: A202901
Score: 5.23033
Type of gen. func.: ogf

$$-\frac{16 x^5 - 52 x^4 + 44 x^3 + 2 x^2 - 6 x - 1}{(x - 1) (24 x^5 - 48 x^4 + 22 x^3 - 10 x^2 + 7 x - 1)}$$

Sequence: A202907
Score: 8.08162
Type of gen. func.: ogf

$$-\frac{(3 x + 1) (9 x^2 + 1)}{(243 x^4 - 1) (32 x^4 + 1)}$$

Sequence: A202919
Score: 4.38875
Type of gen. func.: ogf

$$\frac{x^6 - 10 x^5 + 30 x^4 - 36 x^3 + 35 x^2 + 1}{(x - 1)^{10}}$$

Sequence: A202919
Score: 8.11984
Type of gen. func.: lgdogf

$$-\frac{2 (2 x^6 - 22 x^5 + 65 x^4 - 66 x^3 + 86 x^2 + 35 x + 5)}{(x - 1) (x^6 - 10 x^5 + 30 x^4 - 36 x^3 + 35 x^2 + 1)}$$

Sequence: A202933
Score: 5.01439
Type of gen. func.: ogf

$$-\frac{60719 x^5 - 320618 x^4 + 679679 x^3 - 723553 x^2 + 387270 x - 83521}{(x - 1)^6}$$

Sequence: A202934
Score: 4.01390
Type of gen. func.: ogf

$$-(71809 x^6 - 453495 x^5 + 1197415 x^4 - 1692959 x^3 + 1353236 x^2 - 580958 x + 104976) / (x - 1)^7$$

Sequence: A202935
Score: 3.53116
Type of gen. func.: ogf

$$-(83919 x^7 - 616520 x^6 + 1947234 x^5 - 3428986 x^4 + 3638908 x^3 - 2330681 x^2 + 836423 x - 130321) / (x - 1)^8$$

Sequence: A202946
Score: 4.42314
Type of gen. func.: ogf

$$\{(27 n^2 + 81 n + 60) a(n + 1) - a(n + 2), a(0) = 3, a(1) = 18\}$$

Sequence: A202948
Score: 3.69088
Type of gen. func.: ogf

$$\{(-27 n^2 - 108 n - 105) a(n + 1) + a(n + 2), a(0) = -3, a(1) = -72\}$$

Sequence: A202963
Score: 13.3809
Type of gen. func.: ogf

$$-\frac{2\,(4\,x^2 + x + 1)}{(x + 1)\,(x - 1)^3}$$

Sequence: A202963
Score: 17.4094
Type of gen. func.: lgdogf

$$-\frac{8\,x^3 + 11\,x^2 + 14\,x + 3}{(x - 1)\,(x + 1)\,(4\,x^2 + x + 1)}$$

Sequence: A202963
Score: 6.91721
Type of gen. func.: ogf

$$(3188\,f(x) - 25917)\,(f(x)\,x^4 - 2\,f(x)\,x^3 + 2\,f(x)\,x + 8\,x^2 - f(x) + 2\,x + 2)$$

Sequence: A202963
Score: 9.95405
Type of gen. func.: lgdogf

$$-\frac{8\,x^3 + 11\,x^2 + 14\,x + 3}{4\,x^4 + x^3 - 3\,x^2 - x - 1}$$

Sequence: A202964
Score: 7.09878
Type of gen. func.: ogf

$$\frac{4\,(5\,x^4 + 5\,x^3 + 9\,x^2 + 4\,x + 1)}{(x^2 + x + 1)\,(x - 1)^4}$$

Sequence: A202964
Score: 8.50044
Type of gen. func.: lgdogf

$$-\frac{10x^6+30x^5+66x^4+82x^3+60x^2+33x+7}{(x-1)(x^2+x+1)(5x^4+5x^3+9x^2+4x+1)}$$

Sequence: A202965
Score: 4.26219
Type of gen. func.: ogf

$$-2(55x^9+120x^8+384x^7+499x^6+666x^5+503x^4+368x^3+125x^2+39x+1) \Big/ ((x^2+1)(x^2+x+1)(x+1)^2(x-1)^5)$$

Sequence: A202973
Score: 8.18567
Type of gen. func.: lgdogf

$$-\frac{x^8+6x^7+8x^6+4x^4+2x^3-x^2-4x+2}{(x^4+3x^3+x-1)(x^5+2x^4-2x^3+2x^2-3x+1)}$$

Sequence: A202973
Score: 8.44358
Type of gen. func.: ogf

$$-\frac{x^4+3x^3+x-1}{x^5+2x^4-2x^3+2x^2-3x+1}$$

Sequence: A202974
Score: 3.62191
Type of gen. func.: ogf

$$-(2x^9+8x^8+4x^7-10x^6+x^5+4x^4-16x^3+4x^2-2x+1) \Big/ (2x^{10}+6x^9-2x^8-9x^7+8x^6-3x^5-14x^4+16x^3-11x^2+6x-1)$$

Sequence: A202982
Score: 4.37220
Type of gen. func.: ogf

$$-\frac{25x^6-29x^5+48x^4-52x^3+10x^2+1}{25x^7-44x^6+84x^5-102x^4+60x^3-28x^2+9x-1}$$

Sequence: A203016
Score: 12.0635
Type of gen. func.: lgdogf

$$-\frac{2(x^7+2x^6+3x^5+4x^4+8x^3+3x^2+2x+1)}{(x-1)(x+1)(x^2+1)(2x^4+x^3+x^2+x+1)}$$

Sequence: A203016
Score: 13.3786
Type of gen. func.: ogf

$$\frac{3(2x^4+x^3+x^2+x+1)}{(x+1)(x^2+1)(x-1)^2}$$

Sequence: A203019
Score: 9.52575
Type of gen. func.: ogf

$$f(x)x^2-f(x)^2-f(x)x-x^2+f(x)$$

Sequence: A203041
Score: 4.19797
Type of gen. func.: ogf

$$-\frac{73x^7+313x^6+89x^5-490x^4-872x^3-313x^2-219x-209}{x^8+4x^7-7x^5-10x^4-x^3-2x^2-2x+1}$$

Sequence: A203050
Score: 3.77770
Type of gen. func.: ogf

$$-(x^{10}+9x^8+28x^6+35x^4+15x^2+1)\Big/(x^{11}-x^{10}+10x^9-9x^8+36x^7-28x^6+56x^5-35x^4+35x^3-15x^2+6x-1)$$

Sequence: A203073
Score: 12.4235
Type of gen. func.: lgdogf

$$-\frac{390x^4+156x^3-137x^2-14x+18}{(5x^2+x-1)(78x^3+2x^2-19x+1)}$$

Sequence: A203073
Score: 13.3872
Type of gen. func.: ogf

$$-\frac{4(5x^2+x-1)}{78x^3+2x^2-19x+1}$$

Sequence: A203073
Score: 6.59061
Type of gen. func.: ogf

$$-(5504665 f(x) - 2716406)$$

$$(78 f(x) x^3 + 2 f(x) x^2 - 19 f(x) x + 20 x^2 + f(x) + 4 x - 4)$$

Sequence: A203073
Score: 7.26084
Type of gen. func.: ogf

{a(n + 3) - 19 a(n + 2) + 2 a(n + 1) + 78 a(n), a(0) = 4, a(1) = 72,

a(2) = 1340}

Sequence: A203073
Score: 7.71873
Type of gen. func.: lgdogf

$$-\frac{-390 x^{4} - 156 x^{3} + 137 x^{2} + 14 x - 18}{-390 x^{5} - 88 x^{4} + 171 x^{3} + 16 x^{2} - 20 x + 1}$$

Sequence: A203084
Score: 3.53314
Type of gen. func.: ogf

$$-\left(36 x^{9} + 53 x^{8} + 61 x^{7} + 26 x^{6} + 44 x^{5} - 90 x^{4} - 113 x^{3} - 270 x^{2} - 155 x - 98\right) \Big/ \left(x^{10} + x^{9} + x^{8} + x^{6} - 3 x^{5} - 2 x^{4} - 6 x^{3} - x^{2} - x + 1\right)$$

Sequence: A203094
Score: 6.27030
Type of gen. func.: ogf

$$-\frac{x^{6} + 5 x^{4} + 6 x^{2} + 1}{x^{7} - x^{6} + 6 x^{5} - 5 x^{4} + 10 x^{3} - 6 x^{2} + 4 x - 1}$$

Sequence: A203095
Score: 3.61809
Type of gen. func.: ogf

$$-\frac{2 (288 x^{6} + 472 x^{5} + 543 x^{4} + 300 x^{3} + 122 x^{2} + 22 x + 2)}{576 x^{7} + 532 x^{6} + 945 x^{5} + 270 x^{4} + 236 x^{3} - x^{2} + 10 x - 1}$$

Sequence: A203103
Score: 3.98737
Type of gen. func.: ogf

$$-\frac{5x^8-10x^7-12x^6-16x^5-6x^4+6x^3+11x^2+2}{5x^9-10x^8-12x^7-17x^6-4x^5+8x^4+15x^3+2x^2+2x-1}$$

Sequence: A203134
Score: 3.72736
Type of gen. func.: ogf

$$(52245212694095952 f(x) - 482546555729977)$$

$$(f(x) x^3 - 1155 f(x) x^2 + 1155 f(x) x + 10 x^2 - f(x) + 385 x + 1)$$

Sequence: A203134
Score: 4.40240
Type of gen. func.: ogf

$\{a(n + 3) - 1155 a(n + 2) + 1155 a(n + 1) - a(n), a(0) = 1, a(1) = 1540,$

$a(2) = 1777555\}$

Sequence: A203134
Score: 7.98721
Type of gen. func.: ogf

$$-\frac{10x^2+385x+1}{(x-1)(x^2-1154x+1)}$$

Sequence: A203135
Score: 10.2704
Type of gen. func.: lgdogf

$$-\frac{2(x^4+7x^3-159x^2+37x-14)}{(x-1)(x^2-34x+1)(2x^2+7x-1)}$$

Sequence: A203135
Score: 10.6133
Type of gen. func.: ogf

$$\frac{2 x^{2} + 7 x - 1}{(x - 1) (x^{2} - 34 x + 1)}$$

Sequence: A203135
Score: 5.06544
Type of gen. func.: ogf

$$-(208185760 f(x) + 14371829)$$

$$(f(x) x^{3} - 35 f(x) x^{2} + 35 f(x) x - 2 x^{2} - f(x) - 7 x + 1)$$

Sequence: A203135
Score: 5.71485
Type of gen. func.: ogf

$\{a(n + 3) - 35 a(n + 2) + 35 a(n + 1) - a(n), a(0) = 1, a(1) = 28, a(2) = 943\}$

Sequence: A203135
Score: 6.24895
Type of gen. func.: lgdogf

$$- \frac{2 x^{4} + 14 x^{3} - 318 x^{2} + 74 x - 28}{2 x^{5} - 63 x^{4} - 176 x^{3} + 278 x^{2} - 42 x + 1}$$

Sequence: A203136
Score: 10.0252
Type of gen. func.: lgdogf

$$- \frac{2 (x^{4} - 15 x^{3} + 229 x^{2} - 33 x + 10)}{(x - 1) (2 x^{2} - 15 x + 1) (x^{2} - 34 x + 1)}$$

Sequence: A203136
Score: 10.3589
Type of gen. func.: ogf

$$-\frac{2x^2 - 15x + 1}{(x - 1)(x^2 - 34x + 1)}$$

Sequence: A203136
Score: 5.17947
Type of gen. func.: ogf

$$(234221328 f(x) - 7262591)$$

$$(f(x) x^3 - 35 f(x) x^2 + 35 f(x) x + 2 x^2 - f(x) - 15 x + 1)$$

Sequence: A203136
Score: 5.66642
Type of gen. func.: ogf

$$\{-a(n + 3) + 35 a(n + 2) - 35 a(n + 1) + a(n), a(0) = 1, a(1) = 20, a(2) = 667\}$$

Sequence: A203136
Score: 6.19599
Type of gen. func.: lgdogf

$$-\frac{-2x^4 + 30x^3 - 458x^2 + 66x - 20}{-2x^5 + 85x^4 - 596x^3 + 562x^2 - 50x + 1}$$

Sequence: A203147
Score: 3.95509
Type of gen. func.: ogf

$$\{(-n^2 - 26 n - 169) a(n + 1) + (2 n + 27) a(n + 2) - a(n + 3), a(0) = 1,$$

$$a(1) = 23, a(2) = 431\}$$

Sequence: A203150
Score: 12.6699
Type of gen. func.: ogf

$$x^2 + 3x + 1$$

$$\overline{}$$
$$(2 x^2 - 1)^2$$

Sequence: A203150
Score: 16.0850
Type of gen. func.: lgdogf

$$- \frac{4 x^3 + 18 x^2 + 10 x + 3}{(x^2 + 3 x + 1) (2 x^2 - 1)}$$

Sequence: A203150
Score: 7.60193
Type of gen. func.: ogf

$$(32 f(x) - 31) (4 f(x) x^4 - 4 f(x) x^2 - x^2 + f(x) - 3 x - 1)$$

Sequence: A203150
Score: 8.80712
Type of gen. func.: lgdogf

$$- \frac{4 x^3 + 18 x^2 + 10 x + 3}{2 x^4 + 6 x^3 + x^2 - 3 x - 1}$$

Sequence: A203157
Score: 4.96973
Type of gen. func.: ogf

$$\{(n^3 + 9 n^2 + 27 n + 27) a(n + 1) + (-2 n - 4) a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A203159
Score: 4.01880
Type of gen. func.: ogf

$$\{(-4 n^2 - 24 n - 36) a(n + 1) + (4 n + 14) a(n + 2) - a(n + 3), a(0) = 1,$$
$$a(1) = 6, a(2) = 44\}$$

Sequence: A203160
Score: 8.09159
Type of gen. func.: lgdogf

$$-\frac{432 x^6 + 288 x^5 + 264 x^4 + 294 x^3 + 84 x^2 + 22 x + 5}{(6 x^3 - 1) (36 x^4 + 16 x^3 + 11 x^2 + 5 x + 1)}$$

Sequence: A203160
Score: 9.20133
Type of gen. func.: ogf

$$\frac{36 x^4 + 16 x^3 + 11 x^2 + 5 x + 1}{(6 x^3 - 1)^2}$$

Sequence: A203161
Score: 8.24158
Type of gen. func.: lgdogf

$$-\frac{108 x^6 + 486 x^5 + 264 x^4 + 156 x^3 + 117 x^2 + 22 x + 4}{(3 x + 1) (6 x^3 - 1) (3 x^3 + 8 x^2 + x + 1)}$$

Sequence: A203161
Score: 9.27623
Type of gen. func.: ogf

$$\frac{(3 x + 1) (3 x^3 + 8 x^2 + x + 1)}{(6 x^3 - 1)^2}$$

Sequence: A203162
Score: 8.27467
Type of gen. func.: lgdogf

6 5 4 3 2

$$-\frac{48 x + 90 x + 264 x + 106 x + 51 x + 22 x + 3}{(6 x^{3} - 1) (4 x^{4} + 5 x^{3} + 11 x^{2} + 3 x + 1)}$$

Sequence: A203162
Score: 9.21755
Type of gen. func.: ogf

$$\frac{4 x^{4} + 5 x^{3} + 11 x^{2} + 3 x + 1}{(6 x^{3} - 1)^{2}}$$

Sequence: A203163
Score: 6.87052
Type of gen. func.: ogf

$$\frac{36 x^{6} + 28 x^{5} + 26 x^{4} + 50 x^{3} + 11 x^{2} + 3 x + 1}{(24 x^{4} - 1)^{2}}$$

Sequence: A203164
Score: 7.03842
Type of gen. func.: ogf

$$\frac{64 x^{6} + 80 x^{5} + 176 x^{4} + 50 x^{3} + 14 x^{2} + 5 x + 1}{(24 x^{4} - 1)^{2}}$$

Sequence: A203165
Score: 6.99762
Type of gen. func.: ogf

$$\frac{144 x^{6} + 432 x^{5} + 126 x^{4} + 50 x^{3} + 19 x^{2} + 7 x + 1}{(24 x^{4} - 1)^{2}}$$

Sequence: A203166
Score: 5.22873

Type of gen. func.: ogf

$$\frac{576 x^8 + 324 x^7 + 188 x^6 + 154 x^5 + 274 x^4 + 50 x^3 + 11 x^2 + 3 x + 1}{(120 x^5 - 1)^2}$$

Sequence: A203167
Score: 8.66720
Type of gen. func.: lgdogf

$$- \frac{4 (32 x^6 + 36 x^5 + 32 x^4 + 36 x^3 + 15 x^2 + 4 x + 1)}{(4 x^3 - 1) (16 x^4 + 12 x^3 + 8 x^2 + 4 x + 1)}$$

Sequence: A203167
Score: 9.65109
Type of gen. func.: ogf

$$\frac{16 x^4 + 12 x^3 + 8 x^2 + 4 x + 1}{(4 x^3 - 1)^2}$$

Sequence: A203169
Score: 5.33789
Type of gen. func.: ogf

$$\frac{x (x + 1) (x^2 + 25 x + 1)}{(x^2 - 47 x + 1) (x^2 - 7 x + 1) (x - 1)^2}$$

Sequence: A203170
Score: 4.62098
Type of gen. func.: ogf

$$\frac{x (x^4 - 39 x^3 + 130 x^2 - 39 x + 1)}{(x^2 - 47 x + 1) (x^2 - 7 x + 1) (x - 1)^2}$$

Sequence: A203171
Score: 6.42736
Type of gen. func.: ogf

$$-\frac{x (x^2 - 25 x + 1)}{(x + 1) (x^2 + 7 x + 1) (x^2 + 47 x + 1)}$$

Sequence: A203172
Score: 5.05285
Type of gen. func.: ogf

$$\frac{x (x^4 + 39 x^3 + 130 x^2 + 39 x + 1)}{(x - 1) (x + 1) (x^2 + 7 x + 1) (x^2 + 47 x + 1)}$$

Sequence: A203175
Score: 16.1093
Type of gen. func.: ogf

$$-\frac{x^2 + 1}{2 x^3 + x - 1}$$

Sequence: A203175
Score: 19.3702
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 5 x^2 + 2 x + 1}{(x^2 + 1) (2 x^3 + x - 1)}$$

Sequence: A203175
Score: 8.39741
Type of gen. func.: ogf

$\{a(n + 3) - a(n + 2) - 2 a(n), a(0) = 1, a(1) = 1, a(2) = 2\}$

Sequence: A203175
Score: 8.86917
Type of gen. func.: ogf

$$(f(x) - 1) (2 f(x) x^3 + f(x) x + x^2 - f(x) + 1)$$

Sequence: A203175
Score: 9.86696
Type of gen. func.: lgdogf

$$- \frac{2 x^4 + 5 x^2 + 2 x + 1}{2 x^5 + 3 x^3 - x^2 + x - 1}$$

Sequence: A203176
Score: 4.34148
Type of gen. func.: ogf

$$\frac{6 x^9 - 18 x^8 - x^7 - 12 x^6 + 15 x^5 + 3 x^4 + 7 x^3 - 3 x^2 - 2 x - 2}{30 x^9 - 7 x^7 - 31 x^6 - x^5 + 5 x^4 + 10 x^3 + 2 x^2 - 1}$$

Sequence: A203184
Score: 4.66114
Type of gen. func.: ogf

$$- \frac{(x^2 + 1) (x^6 + 6 x^4 + 9 x^2 + 1)}{x^9 - x^8 + 8 x^7 - 7 x^6 + 21 x^5 - 15 x^4 + 20 x^3 - 10 x^2 + 5 x - 1}$$

Sequence: A203230
Score: 12.2213
Type of gen. func.: ogf

$$\frac{x^2 + 4 x + 1}{(3 x^2 - 1)^2}$$

Sequence: A203230
Score: 15.1722
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^3 + 18\,x^2 + 7\,x + 2)}{(x^2 + 4\,x + 1)\,(3\,x^2 - 1)}$$

Sequence: A203230
Score: 7.49046
Type of gen. func.: ogf

$$(3\,f(x) - 5)\,(9\,f(x)\,x^4 - 6\,f(x)\,x^2 - x^2 + f(x) - 4\,x - 1)$$

Sequence: A203230
Score: 8.39294
Type of gen. func.: lgdogf

$$-\frac{-6\,x^3 - 36\,x^2 - 14\,x - 4}{-3\,x^4 - 12\,x^3 - 2\,x^2 + 4\,x + 1}$$

Sequence: A203231
Score: 12.6469
Type of gen. func.: ogf

$$\frac{9\,x^2 + 4\,x + 1}{(3\,x^2 - 1)^2}$$

Sequence: A203231
Score: 14.4288
Type of gen. func.: lgdogf

$$-\frac{2\,(27\,x^3 + 18\,x^2 + 15\,x + 2)}{(9\,x^2 + 4\,x + 1)\,(3\,x^2 - 1)}$$

Sequence: A203231
Score: 7.58814
Type of gen. func.: ogf

$$(27 f(x) + 19) (9 f(x) x^4 - 6 f(x) x^2 - 9 x^2 + f(x) - 4 x - 1)$$

Sequence: A203231
Score: 8.48087
Type of gen. func.: lgdogf

$$- \frac{54 x^3 + 36 x^2 + 30 x + 4}{27 x^4 + 12 x^3 - 6 x^2 - 4 x - 1}$$

Sequence: A203232
Score: 10.7683
Type of gen. func.: ogf

$$\frac{(x + 1) (4 x + 1)}{(6 x^2 - 1)^2}$$

Sequence: A203232
Score: 13.2404
Type of gen. func.: lgdogf

$$- \frac{48 x^3 + 90 x^2 + 32 x + 5}{(4 x + 1) (x + 1) (6 x^2 - 1)}$$

Sequence: A203232
Score: 6.54978
Type of gen. func.: ogf

$$(78 f(x) - 47) (36 f(x) x^4 - 12 f(x) x^2 - 4 x^2 + f(x) - 5 x - 1)$$

Sequence: A203232
Score: 7.47447
Type of gen. func.: lgdogf

$$-\frac{-48 x^3 - 90 x^2 - 32 x - 5}{-24 x^4 - 30 x^3 - 2 x^2 + 5 x + 1}$$

Sequence: A203233
Score: 10.9340
Type of gen. func.: ogf

$$\frac{9 x^2 + 5 x + 1}{(6 x^2 - 1)^2}$$

Sequence: A203233
Score: 13.1682
Type of gen. func.: lgdogf

$$-\frac{(6 x + 1) (18 x^2 + 12 x + 5)}{(9 x^2 + 5 x + 1) (6 x^2 - 1)}$$

Sequence: A203233
Score: 6.58268
Type of gen. func.: ogf

$$(144 f(x) + 19) (36 f(x) x^4 - 12 f(x) x^2 - 9 x^2 + f(x) - 5 x - 1)$$

Sequence: A203233
Score: 7.50121
Type of gen. func.: lgdogf

$$-\frac{108 x^3 + 90 x^2 + 42 x + 5}{54 x^4 + 30 x^3 - 3 x^2 - 5 x - 1}$$

Sequence: A203234
Score: 8.42598
Type of gen. func.: ogf

$$\frac{x^6 + 3 x^5 + 5 x^4 + 7 x^3 + 3 x^2 + 2 x + 1}{(2 x^4 - 1)^2}$$

Sequence: A203235
Score: 8.23850
Type of gen. func.: ogf

$$\frac{x^6 + 4 x^5 + 7 x^4 + 10 x^3 + 3 x^2 + 2 x + 1}{(3 x^4 - 1)^2}$$

Sequence: A203241
Score: 15.3042
Type of gen. func.: ogf

$$- \frac{2}{(x - 1) (2 x - 1) (-1 + 4 x)}$$

Sequence: A203241
Score: 16.1598
Type of gen. func.: lgdogf

$$- \frac{24 x^2 - 28 x + 7}{(x - 1) (2 x - 1) (-1 + 4 x)}$$

Sequence: A203241
Score: 5.58935
Type of gen. func.: ogf

$\{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 8 a(n), a(0) = 2, a(1) = 14, a(2) = 70\}$

Sequence: A203241

Score: 6.18054
Type of gen. func.: ogf

$$(381 f(x) - 272) (8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x - f(x) + 2)$$

Sequence: A203241
Score: 9.59366
Type of gen. func.: lgdogf

$$- \frac{24 x^2 - 28 x + 7}{8 x^3 - 14 x^2 + 7 x - 1}$$

Sequence: A203242
Score: 6.71387
Type of gen. func.: ogf

$$- \frac{4 x^2 + 2 x - 3}{(-1 + 4 x) (2 x - 1)^2 (x - 1)^3}$$

Sequence: A203242
Score: 8.62008
Type of gen. func.: lgdogf

$$- \frac{128 x^4 - 8 x^3 - 228 x^2 + 166 x - 31}{(x - 1) (2 x - 1) (-1 + 4 x) (4 x^2 + 2 x - 3)}$$

Sequence: A203243
Score: 13.9861
Type of gen. func.: ogf

$$- \frac{3}{(x - 1) (3 x - 1) (9 x - 1)}$$

Sequence: A203243
Score: 15.4772

Type of gen. func.: lgdogf

$$-\frac{81 x^2 - 78 x + 13}{(x - 1) (3 x - 1) (9 x - 1)}$$

Sequence: A203243
Score: 5.21515
Type of gen. func.: ogf

$$\{a(n + 3) - 13 a(n + 2) + 39 a(n + 1) - 27 a(n), a(0) = 3, a(1) = 39, a(2) = 390\}$$

Sequence: A203243
Score: 5.69803
Type of gen. func.: ogf

$$(7651 f(x) - 2673) (27 f(x) x^3 - 39 f(x) x^2 + 13 f(x) x - f(x) + 3)$$

Sequence: A203243
Score: 8.79126
Type of gen. func.: lgdogf

$$-\frac{81 x^2 - 78 x + 13}{27 x^3 - 39 x^2 + 13 x - 1}$$

Sequence: A203244
Score: 13.2002
Type of gen. func.: ogf

$$-\frac{4}{(x - 1) (-1 + 4 x) (16 x - 1)}$$

Sequence: A203244
Score: 13.8896
Type of gen. func.: lgdogf

2

$$-\frac{3\,(64\,x - 56\,x + 7)}{(x - 1)\,(-1 + 4\,x)\,(16\,x - 1)}$$

Sequence: A203244
Score: 4.88074
Type of gen. func.: ogf

{a(n + 3) - 21 a(n + 2) + 84 a(n + 1) - 64 a(n), a(0) = 4, a(1) = 84,

a(2) = 1428}

Sequence: A203244
Score: 5.28008
Type of gen. func.: ogf

$$(70993\,f(x) - 14080)\,(64\,f(x)\,x^3 - 84\,f(x)\,x^2 + 21\,f(x)\,x - f(x) + 4)$$

Sequence: A203244
Score: 8.06678
Type of gen. func.: lgdogf

$$-\frac{192\,x^2 - 168\,x + 21}{64\,x^3 - 84\,x^2 + 21\,x - 1}$$

Sequence: A203245
Score: 7.11176
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 - 3\,x - 2}{(x - 1)\,(x + 1)\,(x^2 - 3\,x + 1)\,(x^2 + x - 1)}$$

Sequence: A203246
Score: 13.1087
Type of gen. func.: lgdogf

$$-\frac{5\,x^4 + 8\,x^3 + 26\,x^2 + 16\,x + 5}{}$$

$$(x - 1) (x + 1) (x^3 + x^2 + 3 x + 1)$$

Sequence: A203246
Score: 7.41429
Type of gen. func.: ogf

$$-\frac{x^3 + x^2 + 3 x + 1}{(x + 1)^3 (x - 1)^5}$$

Sequence: A203246
Score: 8.32048
Type of gen. func.: lgdogf

$$-\frac{5 x^4 + 8 x^3 + 26 x^2 + 16 x + 5}{x^5 + x^4 + 2 x^3 - 3 x - 1}$$

Sequence: A203280
Score: 4.24465
Type of gen. func.: ogf

$$-\frac{4 x (8 x^7 - 8 x^6 + 2 x^5 + 12 x^4 - 26 x^3 + 19 x^2 - 2 x - 1)}{(2 x^3 - 3 x^2 + 5 x - 1) (4 x^6 - 10 x^4 + 3 x^2 - 1)}$$

Sequence: A203286
Score: 10.4602
Type of gen. func.: lgdogf

$$-\frac{x^6 - 4 x^5 + 4 x^4 + 4 x^3 - 5 x^2 + 8 x + 12}{(x - 1) (x + 1) (x^5 - 4 x^4 + 5 x^3 - 4 x + 4)}$$

Sequence: A203286
Score: 8.36940
Type of gen. func.: ogf

$$-\frac{x^5 - 4x^4 + 5x^3 - 4x + 4}{(x + 1)(x - 1)^5}$$

Sequence: A203287
Score: 4.30336
Type of gen. func.: ogf

$$-\frac{x^{10} - 4x^9 + 4x^8 + 3x^7 - 6x^6 + x^5 + x^4 + 11x^3 + 5x^2 + x + 5}{(x^2 + x + 1)(x + 1)^2 (x - 1)^7}$$

Sequence: A203292
Score: 12.7929
Type of gen. func.: lgdogf

$$-\frac{x^5 - 3x^4 - 5x^3 + 3x^2 - 6x - 6}{(x - 1)(x + 1)(x^4 - 3x^3 + 3x - 3)}$$

Sequence: A203292
Score: 9.35991
Type of gen. func.: ogf

$$-\frac{x^4 - 3x^3 + 3x - 3}{(x + 1)(x - 1)^4}$$

Sequence: A203293
Score: 4.49818
Type of gen. func.: ogf

$$-\frac{x^9 - 3x^8 - x^7 + 4x^6 - x^5 - 7x^4 - 11x^3 - 2x^2 + 2x - 4}{(x^2 + x + 1)(x + 1)^2 (x - 1)^6}$$

Sequence: A203298
Score: 6.49495
Type of gen. func.: ogf

$$-\frac{x^5 - x^4 - 3 x^3 + 3 x^2 + 4 x + 2}{(x + 1)^3 (x - 1)^5}$$

Sequence: A203298
Score: 9.19943
Type of gen. func.: lgdogf

$$-\frac{3 x^6 - 2 x^5 - 12 x^4 + 8 x^3 + 25 x^2 + 30 x + 8}{(x - 1) (x + 1) (x^5 - x^4 - 3 x^3 + 3 x^2 + 4 x + 2)}$$

Sequence: A203299
Score: 6.35644
Type of gen. func.: ogf

$$-\frac{(x + 2) (x^4 - x^3 - 3 x^2 + 3 x + 2)}{(x + 1)^3 (x - 1)^5}$$

Sequence: A203299
Score: 8.78372
Type of gen. func.: lgdogf

$$-\frac{3 x^6 + 6 x^5 - 18 x^4 - 24 x^3 + 35 x^2 + 42 x + 16}{(x - 1) (x + 2) (x + 1) (x^4 - x^3 - 3 x^2 + 3 x + 2)}$$

Sequence: A203310
Score: 3.89474
Type of gen. func.: ogf

$$\{(-2 n^3 - 21 n^2 - 73 n - 84) a(n + 1) + (n + 5) a(n + 2), a(0) = 2, a(1) = 15\}$$

Sequence: A203357
Score: 3.99967
Type of gen. func.: ogf

$$-(190239 f(x) - 139450)$$

$$(f(x) x^4 + 6 f(x) x^3 + 12 f(x) x^2 + x^3 + 3 f(x) x + 6 x^2 - f(x) + 11 x + 3)$$

Sequence: A203357
Score: 6.81557
Type of gen. func.: lgdogf

$$- \frac{x^6 + 12 x^5 + 57 x^4 + 138 x^3 + 171 x^2 + 84 x + 20}{(x^3 + 6 x^2 + 11 x + 3) (x^4 + 6 x^3 + 12 x^2 + 3 x - 1)}$$

Sequence: A203357
Score: 7.74619
Type of gen. func.: ogf

$$- \frac{x^3 + 6 x^2 + 11 x + 3}{x^4 + 6 x^3 + 12 x^2 + 3 x - 1}$$

Sequence: A203358
Score: 5.60557
Type of gen. func.: ogf

$$- \frac{7 x^4 - 20 x^3 - 50 x^2 - 36 x - 5}{7 x^5 - 23 x^4 - 54 x^3 - 42 x^2 - 5 x + 1}$$

Sequence: A203365
Score: 4.61847
Type of gen. func.: ogf

$$(29 f(x) - 17)$$

$$(f(x) x^4 + 2 f(x) x^3 + 5 f(x) x^2 + x^3 + 2 f(x) x + 2 x^2 - f(x) + 5 x + 2)$$

Sequence: A203365
Score: 7.67383
Type of gen. func.: lgdogf

$$-\frac{x^6+4x^5+14x^4+24x^3+36x^2+24x+9}{(x^4+2x^3+5x^2+2x-1)(x^3+2x^2+5x+2)}$$

Sequence: A203365
Score: 8.33722
Type of gen. func.: ogf

$$-\frac{x^3+2x^2+5x+2}{x^4+2x^3+5x^2+2x-1}$$

Sequence: A203366
Score: 3.78502
Type of gen. func.: ogf

$$-\frac{2x^8-2x^7+17x^6-3x^5-20x^4-40x^3-38x^2-21x-3}{2x^9-2x^8+17x^7+x^6-24x^5-45x^4-44x^3-26x^2-3x+1}$$

Sequence: A203373
Score: 4.20614
Type of gen. func.: ogf

$-(1897807 f(x) + 20566480)$

$$(6 f(x) x^3 - 15 f(x) x^2 + 9 f(x) x + 96 x^2 - f(x) - 224 x + 108)$$

Sequence: A203373
Score: 4.69685
Type of gen. func.: ogf

$\{-a(n + 3) + 9 a(n + 2) - 15 a(n + 1) + 6 a(n), a(0) = 108, a(1) = 748,$

$a(2) = 5208\}$

Sequence: A203373
Score: 7.36081
Type of gen. func.: lgdogf

$$-\frac{144 x^4 - 672 x^3 + 1110 x^2 - 762 x + 187}{(24 x^2 - 56 x + 27) (6 x^3 - 15 x^2 + 9 x - 1)}$$

Sequence: A203373
Score: 8.41227
Type of gen. func.: ogf

$$-\frac{4 (24 x^2 - 56 x + 27)}{6 x^3 - 15 x^2 + 9 x - 1}$$

Sequence: A203374
Score: 4.71340
Type of gen. func.: ogf

$$-\frac{4 (64 x^4 - 376 x^3 + 692 x^2 - 443 x + 81)}{8 x^5 - 48 x^4 + 92 x^3 - 65 x^2 + 16 x - 1}$$

Sequence: A203400
Score: 13.3497
Type of gen. func.: ogf

$$-\frac{x^2}{(x - 1) (x^3 - x + 1)}$$

Sequence: A203400
Score: 22.1245
Type of gen. func.: lgdogf

$$4 x^3 - 3 x^2 - 2 x + 2$$

$$- \frac{}{(x - 1) (x^3 - x + 1)}$$

Sequence: A203400
Score: 5.84739
Type of gen. func.: ogf

$$(f(x) - 1) (f(x) x^4 - f(x) x^3 - f(x) x^2 + 2 f(x) x + x^2 - f(x))$$

Sequence: A203400
Score: 8.84418
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 3 x^2 - 2 x + 2}{x^4 - x^3 - x^2 + 2 x - 1}$$

Sequence: A203408
Score: 4.86362
Type of gen. func.: ogf

$$- \frac{27 x^4 + 10633 x^3 + 807548 x^2 + 539 x + 1}{(x - 1) (x^2 - 1442 x + 1) (x^2 + 1442 x + 1)}$$

Sequence: A203409
Score: 6.60165
Type of gen. func.: ogf

$$\frac{3 x^4 + 62 x^3 + 382 x^2 - 14 x - 1}{(x - 1) (x^2 + 38 x + 1) (x^2 - 38 x + 1)}$$

Sequence: A203410
Score: 6.57415
Type of gen. func.: ogf

4 3 2

$$-\frac{3 x + 49 x - 604 x + 11 x + 1}{(x - 1) (x^2 + 38 x + 1) (x^2 - 38 x + 1)}$$

Sequence: A203446
Score: 6.80181
Type of gen. func.: ogf

$$-\frac{2 (6 x^4 - 11 x^3 - 4 x^2 + 15 x - 8)}{(x + 1) (2 x - 1) (x - 1)^3}$$

Sequence: A203446
Score: 6.87709
Type of gen. func.: lgdogf

$$-\frac{12 x^6 - 20 x^5 - 33 x^4 + 66 x^3 - 32 x^2 - 22 x + 17}{(x - 1) (2 x - 1) (x + 1) (6 x^4 - 11 x^3 - 4 x^2 + 15 x - 8)}$$

Sequence: A203462
Score: 7.36964
Type of gen. func.: ogf

$$-\frac{x^{12} - x^{11} + x^9 - x^7 + 5 x^5 - 2 x^4 - 2 x^3 - x^2 + 33 x - 34}{(x - 1)^2}$$

Sequence: A203464
Score: 10.5365
Type of gen. func.: ogf

$$\frac{4 x^4 + 5 x^3 + 47 x^2 + 5 x + 4}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A203464
Score: 8.14110

Type of gen. func.: lgdogf

$$-\frac{4x^7+14x^6+150x^5+76x^4+93x^3+71x^2+103x+9}{(x-1)(x+1)(x^2+1)(4x^4+5x^3+47x^2+5x+4)}$$

Sequence: A203473
Score: 4.20215
Type of gen. func.: ogf

$$\{(4n^2+42n+110)a(n+1)+(-n-8)a(n+2), a(0)=7, a(1)=72\}$$

Sequence: A203473
Score: 7.00907
Type of gen. func.: lgdegf]

$$\frac{3I(768Ix^2-330Ix+35I+35(-1+4x)^{(3/2)})}{(-1+4x)(144x-35)x}$$

Sequence: A203536
Score: 7.31262
Type of gen. func.: lgdogf

$$-\frac{3x^8+4x^7+6x^6-4x^5-12x^3+14x^2+4x+1}{(x^3+x^2+x-1)(x^3+x^2+3x-1)(x^3-x^2-x-1)}$$

Sequence: A203536
Score: 7.50461
Type of gen. func.: ogf

$$-\frac{4x(x^3+x^2+x-1)}{(x^3+x^2+3x-1)(x^3-x^2-x-1)}$$

Sequence: A203551
Score: 10.1571

Type of gen. func.: ogf

$$\frac{x (x^2 + 2 x + 2)}{(x - 1)^4}$$

Sequence: A203551
Score: 12.1552
Type of gen. func.: lgdogf

$$- \frac{2 x^2 + 8 x + 10}{x^3 + x^2 - 2}$$

Sequence: A203551
Score: 22.8249
Type of gen. func.: lgdogf

$$- \frac{2 (x^2 + 4 x + 5)}{(x - 1) (x^2 + 2 x + 2)}$$

Sequence: A203551
Score: 4.07398
Type of gen. func.: ogf

$\{(6 + 2 n) a(n + 4) - 10 a(n + 3) + (-9 - n) a(n + 2) + (-2 - n) a(n + 1),$

$a(0) = 0, a(1) = 2, a(2) = 10, a(3) = 29\}$

Sequence: A203551
Score: 5.18507
Type of gen. func.: ogf

$(116000 f(x) + 131227)$

$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 2 x^2 + f(x) - 2 x)$

Sequence: A203552

Score: 10.0055
Type of gen. func.: ogf

$$\frac{x (2 x^2 + 2 x + 1)}{(x - 1)^4}$$

Sequence: A203552
Score: 12.8140
Type of gen. func.: lgdogf

$$-\frac{4 x^2 + 10 x + 6}{2 x^3 - x - 1}$$

Sequence: A203552
Score: 19.9814
Type of gen. func.: lgdogf

$$-\frac{2 (2 x + 3) (x + 1)}{(x - 1) (2 x^2 + 2 x + 1)}$$

Sequence: A203552
Score: 4.03535
Type of gen. func.: ogf

$\{(-n - 3) a(n + 4) + (4 - n) a(n + 3) + 10 a(n + 2) + (4 + 2 n) a(n + 1),$

$a(0) = 0, a(1) = 1, a(2) = 6, a(3) = 20\}$

Sequence: A203552
Score: 5.18013
Type of gen. func.: ogf

$(12625 f(x) + 12234)$

$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 2 x^3 - 4 f(x) x - 2 x^2 + f(x) - x)$

Sequence: A203570

Score: 7.67713
Type of gen. func.: ogf

$$\frac{4 x^3 + 12 x^2 - 13 x + 4}{(x + 1) (x^2 - 3 x + 1)^2}$$

Sequence: A203570
Score: 8.73171
Type of gen. func.: lgdogf

$$- \frac{(4 x^2 - 2 x - 1) (2 x^3 + 11 x^2 - 9 x + 7)}{(x + 1) (x^2 - 3 x + 1) (4 x^3 + 12 x^2 - 13 x + 4)}$$

Sequence: A203571
Score: 4.89805
Type of gen. func.: ogf

$$- \frac{x (x^8 + 2 x^7 + 3 x^6 + 4 x^5 + 4 x^3 + 3 x^2 + 2 x + 1)}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A203572
Score: 4.18428
Type of gen. func.: ogf

$$- \frac{x (x^{10} + 2 x^9 + 3 x^8 + 4 x^7 + 5 x^6 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x^4 - x^2 + 1)}$$

Sequence: A203573
Score: 11.1630
Type of gen. func.: lgdogf

$$- \frac{x^4 + 25 x^3 - 36 x^2 + 27 x - 13}{(x^2 - 3 x + 1) (x^3 + 11 x^2 - 11 x + 4)}$$

Sequence: A203573
Score: 4.75325
Type of gen. func.: ogf

$$(6220 f(x) + 6277) (f(x) x^4 - 6 f(x) x^3 + 11 f(x) x^2 - x^3 - 6 f(x) x - 11 x^2 + f(x) + 11 x - 4)$$

Sequence: A203573
Score: 6.73762
Type of gen. func.: lgdogf

$$- \frac{x^4 + 25 x^3 - 36 x^2 + 27 x - 13}{x^5 + 8 x^4 - 43 x^3 + 48 x^2 - 23 x + 4}$$

Sequence: A203573
Score: 8.67469
Type of gen. func.: ogf

$$\frac{x^3 + 11 x^2 - 11 x + 4}{(x^2 - 3 x + 1)^2}$$

Sequence: A203574
Score: 14.1863
Type of gen. func.: lgdogf

$$- \frac{6 x^3 + 3 x^2 - 17 x + 11}{(3 x - 2) (x + 1) (x^2 - 3 x + 1)}$$

Sequence: A203574
Score: 5.17891
Type of gen. func.: ogf

$$(710 f(x) - 301) (f(x) x^4 - 6 f(x) x^3 + 11 f(x) x^2 - 6 f(x) x + 3 x^2 + f(x) + x - 2)$$

Sequence: A203574
Score: 8.46311
Type of gen. func.: lgdogf

$$-\frac{6x^{3}+3x^{2}-17x+11}{3x^{4}-8x^{3}-2x^{2}+7x-2}$$

Sequence: A203574
Score: 9.91393
Type of gen. func.: ogf

$$-\frac{(x+1)(3x-2)}{(x^{2}-3x+1)^{2}}$$

Sequence: A203575
Score: 3.98851
Type of gen. func.: ogf

$$x(7x^{10}-10x^{9}+2x^{8}+3x^{7}+3x^{6}-5x^{5}+x^{4}+5x^{3}-2x^{2}+3x+1) \Big/ ((x+1)(x^{4}+1)(x^{2}+1)(x-1)^{2})$$

Sequence: A203579
Score: 11.8478
Type of gen. func.: lgdogf

$$-\frac{12x^{4}+32x^{3}-23x^{2}+2x+2}{(x-1)(4x^{2}+2x-1)(3x^{2}+4x-2)}$$

Sequence: A203579
Score: 12.4548
Type of gen. func.: ogf

2

$$-\frac{3 x + 4 x - 2}{(x - 1) (4 x^{2} + 2 x - 1)}$$

Sequence: A203579
Score: 6.54951
Type of gen. func.: ogf

$$-(10 f(x) + 1) (4 f(x) x^{3} - 2 f(x) x^{2} - 3 f(x) x + 3 x^{2} + f(x) + 4 x - 2)$$

Sequence: A203579
Score: 6.78341
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 2 a(n + 1) + 4 a(n), a(0) = 2, a(1) = 2, a(2) = 7\}$$

Sequence: A203579
Score: 7.37614
Type of gen. func.: lgdogf

$$-\frac{-12 x^{4} - 32 x^{3} + 23 x^{2} - 2 x - 2}{-12 x^{5} - 10 x^{4} + 25 x^{3} + 5 x^{2} - 10 x + 2}$$

Sequence: A203591
Score: 9.34926
Type of gen. func.: ogf

$$\frac{11000 x^{3} + 10100 x^{2} + 10010 x + 10001}{(x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2}}$$

Sequence: A203611
Score: 4.32738
Type of gen. func.: ogf

$$-f(x)^{2} x^{4} + 2 f(x)^{2} x^{3} + f(x) x^{4} + f(x)^{2} x^{2} - 2 f(x) x^{3} + 2 f(x)^{2} x - f(x) x^{2}$$

2

$- f(x) - 2 f(x) x + f(x) + x$

Sequence: A203625
Score: 4.29311
Type of gen. func.: ogf

$-(3371906864928 f(x) + 97200634697)$

$(f(x) x^3 - 195 f(x) x^2 + 195 f(x) x - 5 x^2 - f(x) - 60 x + 1)$

Sequence: A203625
Score: 4.99691
Type of gen. func.: ogf

$\{a(n + 3) - 195 a(n + 2) + 195 a(n + 1) - a(n), a(0) = 1, a(1) = 135,$

$a(2) = 26125\}$

Sequence: A203625
Score: 8.32037
Type of gen. func.: lgdogf

$$- \frac{5 x^4 + 120 x^3 - 12678 x^2 + 400 x - 135}{(x - 1) (5 x^2 + 60 x - 1) (x^2 - 194 x + 1)}$$

Sequence: A203625
Score: 9.23671
Type of gen. func.: ogf

$$\frac{5 x^2 + 60 x - 1}{(x - 1) (x^2 - 194 x + 1)}$$

Sequence: A203626
Score: 4.39843
Type of gen. func.: ogf

$(2000423411952 f(x) - 42995953565)$

3 2 2

```
    (f(x) x  - 195 f(x) x  + 195 f(x) x + 5 x  - f(x) - 78 x + 1)



------------------------------------------------------------------------------

Sequence:  A203626
Score: 4.97528
Type of gen. func.: ogf


{-a(n + 3) + 195 a(n + 2) - 195 a(n + 1) + a(n), a(0) = 1, a(1) = 117,

    a(2) = 22625}



------------------------------------------------------------------------------

Sequence:  A203626
Score: 8.40039
Type of gen. func.: lgdogf


                         4        3          2
                      5 x  - 156 x  + 14238 x  - 380 x + 117
                  - ------------------------------------------
                                2               2
                    (x - 1) (5 x  - 78 x + 1) (x  - 194 x + 1)



------------------------------------------------------------------------------

Sequence:  A203626
Score: 9.19673
Type of gen. func.: ogf


                                    2
                                 5 x  - 78 x + 1
                           - ------------------------
                                       2
                             (x - 1) (x  - 194 x + 1)



------------------------------------------------------------------------------

Sequence:  A203628
Score: 3.59304
Type of gen. func.: ogf


-(111394621061600 f(x) + 1448642610333)

           3             2                      2
    (f(x) x  - 899 f(x) x  + 899 f(x) x - 11 x  - f(x) - 310 x + 1)



------------------------------------------------------------------------------

Sequence:  A203628
Score: 4.32334
Type of gen. func.: ogf


{a(n + 3) - 899 a(n + 2) + 899 a(n + 1) - a(n), a(0) = 1, a(1) = 589,

    a(2) = 528601}
```

Sequence: A203628
Score: 7.82016
Type of gen. func.: ogf

$$\frac{11 x^2 + 310 x - 1}{(x - 1) (x^2 - 898 x + 1)}$$

Sequence: A203629
Score: 3.64226
Type of gen. func.: ogf

(3438751953278880 f(x) - 39107780601691)

$$(f(x) x^3 - 899 f(x) x^2 + 899 f(x) x + 11 x^2 - f(x) - 348 x + 1)$$

Sequence: A203629
Score: 4.32334
Type of gen. func.: ogf

{-a(n + 3) + 899 a(n + 2) - 899 a(n + 1) + a(n), a(0) = 1, a(1) = 551,

a(2) = 494461}

Sequence: A203629
Score: 7.82016
Type of gen. func.: ogf

$$- \frac{11 x^2 - 348 x + 1}{(x - 1) (x^2 - 898 x + 1)}$$

Sequence: A203648
Score: 5.52761
Type of gen. func.: ogf

{(n + 5) a(n + 1) + (-2 - n) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 9, a(3) = 4}

Sequence: A203648
Score: 8.75141
Type of gen. func.: lgdogf

$$-\frac{2 (x^6 + 3 x^5 + 18 x^4 + 7 x^3 + 6 x^2 + 9 x + 1)}{(x - 1) (x^2 + x + 1) (x^4 + 2 x^3 + 9 x^2 + 2 x + 1)}$$

Sequence: A203648
Score: 9.69225
Type of gen. func.: ogf

$$\frac{x^4 + 2 x^3 + 9 x^2 + 2 x + 1}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A203650
Score: 10.1281
Type of gen. func.: ogf

$$-\frac{140 x + 81}{28 x^2 + 17 x - 1}$$

Sequence: A203650
Score: 5.11521
Type of gen. func.: ogf

$$(30325 f(x) - 155036) (28 f(x) x^2 + 17 f(x) x - f(x) + 140 x + 81)$$

Sequence: A203650
Score: 5.75460
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1) - 28 a(n), a(0) = 81, a(1) = 1517\}$$

Sequence: A203650
Score: 6.10126

Type of gen. func.: lgdogf

$$-\frac{-3920 x^2 - 4536 x - 1517}{-3920 x^3 - 4648 x^2 - 1237 x + 81}$$

Sequence: A203650
Score: 9.91146
Type of gen. func.: lgdogf

$$-\frac{3920 x^2 + 4536 x + 1517}{(140 x + 81) (28 x^2 + 17 x - 1)}$$

Sequence: A203651
Score: 3.71948
Type of gen. func.: ogf

$-(89271933679 f(x) + 1171127806216)$

$$(96 f(x) x^3 - 204 f(x) x^2 + 45 f(x) x + 2400 x^2 - f(x) - 4748 x + 729)$$

Sequence: A203651
Score: 4.32971
Type of gen. func.: ogf

$\{-a(n + 3) + 45 a(n + 2) - 204 a(n + 1) + 96 a(n), a(0) = 729, a(1) = 28057,$

$a(2) = 1116249\}$

Sequence: A203651
Score: 7.59182
Type of gen. func.: ogf

$$-\frac{2400 x^2 - 4748 x + 729}{96 x^3 - 204 x^2 + 45 x - 1}$$

Sequence: A203719

Score: 4.93239
Type of gen. func.: ogf

$$-x^3 (x^9 + 9 x^8 + 64 x^7 + 16 x^6 + 118 x^5 + 118 x^4 + 64 x^3 + 16 x^2 + 9 x + 1) / ((x - 1) (x + 1) (x^2 + 1) (x^4 + 18 x^2 + 1) (x^2 + 4 x - 1) (x^2 - 4 x - 1))$$

Sequence: A203721
Score: 4.28266
Type of gen. func.: ogf

$$-\frac{9 x^8 - 6 x^7 - 55 x^6 + 61 x^5 + 89 x^4 - 143 x^3 + 79 x - 32}{(x^3 - x^2 - 2 x + 1) (x^2 + x - 1)^2 (x - 1)^2}$$

Sequence: A203729
Score: 4.61691
Type of gen. func.: ogf

$$(351541 f(x) - 515115776) (238 f(x) x^2 + 29 f(x) x - f(x) + 121856 x + 14400)$$

Sequence: A203729
Score: 5.40277
Type of gen. func.: ogf

$$\{a(n + 2) - 29 a(n + 1) - 238 a(n), a(0) = 14400, a(1) = 539456\}$$

Sequence: A203729
Score: 5.52022
Type of gen. func.: lgdogf

$$-\frac{-453152 x^2 - 107100 x - 8429}{-453152 x^3 - 108766 x^2 - 4621 x + 225}$$

Sequence: A203729
Score: 8.72983
Type of gen. func.: lgdogf

$$-\frac{453152 x^2 + 107100 x + 8429}{(1904 x + 225) (238 x^2 + 29 x - 1)}$$

Sequence: A203729
Score: 8.90982
Type of gen. func.: ogf

$$-\frac{64 (1904 x + 225)}{238 x^2 + 29 x - 1}$$

Sequence: A203730
Score: 3.28408
Type of gen. func.: ogf

{-a(n + 3) + 99 a(n + 2) - 609 a(n + 1) - 588 a(n), a(0) = 216000,

a(1) = 19071424, a(2) = 1754118528}

Sequence: A203730
Score: 5.46028
Type of gen. func.: ogf

$$-\frac{64 (37632 x^2 + 36134 x - 3375)}{588 x^3 + 609 x^2 - 99 x + 1}$$

Sequence: A203776
Score: 10.8871
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^8 - x^7 + x^5 + x^3 - x + 1}{x^{10} - 1}$$

Sequence: A203777
Score: 11.1162
Type of gen. func.: ogf

$$(55 f(x) - 2018) (f(x) x^2 - f(x) + 284 x + 220)$$

Sequence: A203777
Score: 11.5793
Type of gen. func.: lgdogf

$$-\frac{71 x^2 + 110 x + 71}{71 x^3 + 55 x^2 - 71 x - 55}$$

Sequence: A203777
Score: 12.2605
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 220, a(1) = 284\}$$

Sequence: A203777
Score: 18.5269
Type of gen. func.: ogf

$$-\frac{4 (71 x + 55)}{(x - 1) (x + 1)}$$

Sequence: A203777
Score: 20.4477
Type of gen. func.: lgdogf

$$-\frac{71 x^2 + 110 x + 71}{(71 x + 55) (x - 1) (x + 1)}$$

Sequence: A203789
Score: 10.4910
Type of gen. func.: ogf

$\{a(n + 1) - 7 a(n), a(0) = 112\}$

Sequence: A203789
Score: 13.1747
Type of gen. func.: ogf

$$-7 f(x) x + f(x) - 112$$

Sequence: A203789
Score: 20.2326
Type of gen. func.: lgdogf

$$\frac{7}{-7 x + 1}$$

Sequence: A203789
Score: 20.9820
Type of gen. func.: ogf

$$-\frac{112}{7 x - 1}$$

Sequence: A203789
Score: 50.4501
Type of gen. func.: lgdogf

$$-\frac{7}{7 x - 1}$$

Sequence: A203790
Score: 10.1823
Type of gen. func.: ogf

$$-\frac{16 (24 x + 49)}{6 x^2 + 13 x - 1}$$

Sequence: A203790

Score: 11.0729
Type of gen. func.: lgdogf

$$-\frac{144 x^2 + 588 x + 661}{(24 x + 49) (6 x^2 + 13 x - 1)}$$

Sequence: A203790
Score: 5.19504
Type of gen. func.: ogf

$$(9181 f(x) - 207168) (6 f(x) x^2 + 13 f(x) x - f(x) + 384 x + 784)$$

Sequence: A203790
Score: 5.72037
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1) - 6 a(n), a(0) = 784, a(1) = 10576\}$$

Sequence: A203790
Score: 6.61186
Type of gen. func.: lgdogf

$$-\frac{-144 x^2 - 588 x - 661}{-144 x^3 - 606 x^2 - 613 x + 49}$$

Sequence: A203791
Score: 3.53017
Type of gen. func.: ogf

$$-(193093711703 f(x) + 40405770029568)$$

$$(72 f(x) x^3 - 117 f(x) x^2 + 31 f(x) x + 18432 x^2 - f(x) - 27936 x + 5488)$$

Sequence: A203791
Score: 4.18189
Type of gen. func.: ogf

{-a(n + 3) + 31 a(n + 2) - 117 a(n + 1) + 72 a(n), a(0) = 5488, a(1) = 142192,

a(2) = 3784288}

Sequence: A203791
Score: 7.15324
Type of gen. func.: ogf

$$-\frac{16\,(1152\,x^{2} - 1746\,x + 343)}{72\,x^{3} - 117\,x^{2} + 31\,x - 1}$$

Sequence: A203803
Score: 17.1593
Type of gen. func.: lgdogf

$$-\frac{8\,x^{3} + 23\,x^{2} - 24\,x - 1}{(x^{2} + 4\,x - 1)\,(x^{2} - x - 1)}$$

Sequence: A203803
Score: 9.34764
Type of gen. func.: ogf

$$\frac{1}{(x^{2} + 4\,x - 1)\,(x^{2} - x - 1)^{3}}$$

Sequence: A203803
Score: 9.57563
Type of gen. func.: lgdogf

$$-\frac{-8\,x^{3} - 23\,x^{2} + 24\,x + 1}{-x^{4} - 3\,x^{3} + 6\,x^{2} + 3\,x - 1}$$

Sequence: A203804
Score: 12.3364
Type of gen. func.: lgdogf

$$-\frac{16 x^4 - 79 x^3 - 164 x^2 + 76 x + 1}{(x - 1) (x^2 + 3 x + 1) (x^2 - 7 x + 1)}$$

Sequence: A203804
Score: 7.42777
Type of gen. func.: lgdogf

$$-\frac{-16 x^4 + 79 x^3 + 164 x^2 - 76 x - 1}{-x^5 + 5 x^4 + 15 x^3 - 15 x^2 - 5 x + 1}$$

Sequence: A203805
Score: 8.79266
Type of gen. func.: lgdogf

$$-\frac{32 x^5 + 255 x^4 - 1045 x^3 - 960 x^2 + 235 x + 1}{(x^2 + x - 1) (x^2 + 11 x - 1) (x^2 - 4 x - 1)}$$

Sequence: A203806
Score: 7.22450
Type of gen. func.: lgdogf

$$-\frac{64 x^6 - 831 x^5 - 5940 x^4 + 11155 x^3 + 5485 x^2 - 716 x - 1}{(x + 1) (x^2 + 7 x + 1) (x^2 - 3 x + 1) (x^2 - 18 x + 1)}$$

Sequence: A203819
Score: 10.1786
Type of gen. func.: ogf

{a(n + 1) - 9 a(n), a(0) = 144}

Sequence: A203819
Score: 12.7824
Type of gen. func.: ogf

$$-9 f(x) x + f(x) - 144$$

Sequence: A203819
Score: 19.6301
Type of gen. func.: lgdogf

$$\frac{9}{-9 x + 1}$$

Sequence: A203819
Score: 20.3571
Type of gen. func.: ogf

$$-\frac{144}{9 x - 1}$$

Sequence: A203819
Score: 48.9373
Type of gen. func.: lgdogf

$$-\frac{9}{9 x - 1}$$

Sequence: A203820
Score: 11.084
Type of gen. func.: ogf

$$-21 f(x) x + f(x) - 1296$$

Sequence: A203820
Score: 16.6261
Type of gen. func.: lgdogf

$$\frac{21}{-21 x + 1}$$

Sequence: A203820

Score: 17.1994
Type of gen. func.: ogf

$$-\frac{1296}{21 x - 1}$$

Sequence: A203820
Score: 37.5559
Type of gen. func.: lgdogf

$$-\frac{21}{21 x - 1}$$

Sequence: A203820
Score: 8.90682
Type of gen. func.: ogf

$$\{a(n + 1) - 21 a(n), a(0) = 1296\}$$

Sequence: A203821
Score: 14.9923
Type of gen. func.: ogf

$$-\frac{11664}{49 x - 1}$$

Sequence: A203821
Score: 33.8330
Type of gen. func.: lgdogf

$$-\frac{49}{49 x - 1}$$

Sequence: A203821
Score: 7.89068
Type of gen. func.: ogf

$$\{a(n + 1) - 49 a(n), a(0) = 11664\}$$

Sequence: A203821
Score: 9.77757
Type of gen. func.: ogf

$$-49 f(x) x + f(x) - 11664$$

Sequence: A203822
Score: 2.74458
Type of gen. func.: ogf

$$\{-a(n + 4) + 117 a(n + 3) - 34398 a(n + 1) + 86436 a(n), a(0) = 104976,$$
$$a(1) = 12002256, a(2) = 1372257936, a(3) = 157025515248\}$$

Sequence: A203822
Score: 4.42331
Type of gen. func.: ogf

$$- \frac{11664 (7056 x^3 - 2744 x^2 - 24 x + 9)}{(294 x^2 - 117 x + 1) (294 x^2 - 1)}$$

Sequence: A203829
Score: 11.6280
Type of gen. func.: ogf

$$- \frac{9 (6 x - 25)}{2 x^2 - 9 x + 1}$$

Sequence: A203829
Score: 13.0193
Type of gen. func.: lgdogf

$$- \frac{12 x^2 - 100 x + 219}{(6 x - 25) (2 x^2 - 9 x + 1)}$$

Sequence: A203829

```
Score: 5.63781
Type of gen. func.: ogf


                                      2
        -(1871 f(x) + 10674) (2 f(x) x  - 9 f(x) x + f(x) + 54 x - 225)



------------------------------------------------------------------------------

Sequence:  A203829
Score: 6.41543
Type of gen. func.: ogf


           {a(n + 2) - 9 a(n + 1) + 2 a(n), a(0) = 225, a(1) = 1971}



------------------------------------------------------------------------------

Sequence:  A203829
Score: 7.44189
Type of gen. func.: lgdogf


                                    2
                               -12 x  + 100 x - 219
                         - ----------------------------
                                3        2
                           -12 x  + 104 x  - 231 x + 25



------------------------------------------------------------------------------

Sequence:  A203830
Score: 3.65401
Type of gen. func.: ogf


-(1194071747 f(x) + 87980858640)

              3            2                     2
    (32 f(x) x  - 54 f(x) x  + 19 f(x) x + 2592 x  - f(x) - 4086 x + 1125)



------------------------------------------------------------------------------

Sequence:  A203830
Score: 4.20068
Type of gen. func.: ogf


{-a(n + 3) + 19 a(n + 2) - 54 a(n + 1) + 32 a(n), a(0) = 1125, a(1) = 17289,

    a(2) = 270333}



------------------------------------------------------------------------------

Sequence:  A203830
Score: 7.30803
Type of gen. func.: ogf


                                     2
                             9 (288 x  - 454 x + 125)
```

$$-\frac{}{32 x^{3} - 54 x^{2} + 19 x - 1}$$

Sequence: A203837
Score: 11.6742
Type of gen. func.: ogf

$$-\frac{x^{2} (x - 1) (x + 1) (3 x^{2} - 1)}{3 x^{5} - 5 x^{4} - 4 x^{3} + 5 x^{2} + x - 1}$$

Sequence: A203852
Score: 23.3740
Type of gen. func.: lgdegf]

$$-\ln(1 - x)$$

Sequence: A203852
Score: 89.3827
Type of gen. func.: lgdegf]

$$-\ln(1 - x)$$

Sequence: A203872
Score: 10.5006
Type of gen. func.: ogf

$$-\frac{5 (15 x - 11)}{(21 x - 1) (x - 1)}$$

Sequence: A203872
Score: 11.1933
Type of gen. func.: lgdogf

$$-\frac{315 x^{2} - 462 x + 227}{(15 x - 11) (x - 1) (21 x - 1)}$$

Sequence: A203872
Score: 5.19727
Type of gen. func.: ogf

$$-(4532 f(x) + 8385) (21 f(x) x^2 - 22 f(x) x + f(x) + 75 x - 55)$$

Sequence: A203872
Score: 5.84693
Type of gen. func.: ogf

$$\{a(n + 2) - 22 a(n + 1) + 21 a(n), a(0) = 55, a(1) = 1135\}$$

Sequence: A203872
Score: 6.68221
Type of gen. func.: lgdogf

$$-\frac{-315 x^2 + 462 x - 227}{-315 x^3 + 561 x^2 - 257 x + 11}$$

Sequence: A203873
Score: 4.48866
Type of gen. func.: ogf

$$-(1143024 f(x) + 10501537) (49 f(x) x^2 - 50 f(x) x + f(x) + 535 x - 487)$$

Sequence: A203873
Score: 5.38640
Type of gen. func.: lgdogf

$$-\frac{-26215 x^2 + 47726 x - 23815}{-26215 x^3 + 50613 x^2 - 24885 x + 487}$$

Sequence: A203873
Score: 5.38640
Type of gen. func.: ogf

{a(n + 2) - 50 a(n + 1) + 49 a(n), a(0) = 487, a(1) = 23815}

Sequence: A203873
Score: 8.95313
Type of gen. func.: lgdogf

$$-\frac{26215 x^2 - 47726 x + 23815}{(x - 1) (535 x - 487) (49 x - 1)}$$

Sequence: A203873
Score: 9.50541
Type of gen. func.: ogf

$$-\frac{535 x - 487}{(49 x - 1) (x - 1)}$$

Sequence: A203880
Score: 11.3861
Type of gen. func.: ogf

$$-13 f(x) x + f(x) - 637$$

Sequence: A203880
Score: 16.6996
Type of gen. func.: lgdogf

$$\frac{13}{-13 x + 1}$$

Sequence: A203880
Score: 17.8925
Type of gen. func.: ogf

$$-\frac{637}{13 x - 1}$$

Sequence: A203880

Score: 37.7044
Type of gen. func.: lgdogf

$$-\frac{13}{13x-1}$$

Sequence: A203880
Score: 9.10889
Type of gen. func.: ogf

$$\{a(n+1)-13a(n), a(0)=637\}$$

Sequence: A203881
Score: 10.0284
Type of gen. func.: lgdogf

$$-\frac{133308x^2+46644x+5191}{(966x+169)(138x^2+25x-1)}$$

Sequence: A203881
Score: 10.2204
Type of gen. func.: ogf

$$-\frac{49(966x+169)}{138x^2+25x-1}$$

Sequence: A203881
Score: 5.20481
Type of gen. func.: ogf

$$(176419f(x)-140548170)(138f(x)x^2+25f(x)x-f(x)+47334x+8281)$$

Sequence: A203881
Score: 6.04430
Type of gen. func.: ogf

$$\{a(n+2)-25a(n+1)-138a(n), a(0)=8281, a(1)=254359\}$$

Sequence: A203881
Score: 6.24578
Type of gen. func.: lgdogf

$$-\frac{-133308 x^2 - 46644 x - 5191}{-133308 x^3 - 47472 x^2 - 3259 x + 169}$$

Sequence: A203882
Score: 3.12079
Type of gen. func.: ogf

$\{-a(n + 3) + 79 a(n + 2) - 450 a(n + 1) - 144 a(n), a(0) = 107653,$

$a(1) = 7501753, a(2) = 543848893\}$

Sequence: A203882
Score: 5.17595
Type of gen. func.: ogf

$$-\frac{49 (7056 x^2 + 20466 x - 2197)}{144 x^3 + 450 x^2 - 79 x + 1}$$

Sequence: A203916
Score: 4.78539
Type of gen. func.: ogf

$(24823 f(x) - 389776)$

$(4 f(x) x^4 + 6 f(x) x^3 + 128 x^3 + 3 f(x) x + 224 x^2 - f(x) + 56 x + 112)$

Sequence: A203916
Score: 6.60066
Type of gen. func.: lgdogf

$$-\frac{64 x^6 + 224 x^5 + 252 x^4 + 212 x^3 + 216 x^2 + 56 x + 49}{(2 x^2 + 3 x - 1) (2 x^2 + 1) (16 x^3 + 28 x^2 + 7 x + 14)}$$

Sequence: A203916
Score: 8.50036
Type of gen. func.: ogf

$$-\frac{8\,(16\,x^3 + 28\,x^2 + 7\,x + 14)}{(2\,x^2 + 3\,x - 1)\,(2\,x^2 + 1)}$$

Sequence: A203927
Score: 12.1616
Type of gen. func.: ogf

$$-11\,f(x)\,x + f(x) - 396$$

Sequence: A203927
Score: 17.8370
Type of gen. func.: lgdogf

$$\frac{11}{-11\,x + 1}$$

Sequence: A203927
Score: 19.1111
Type of gen. func.: ogf

$$-\frac{396}{11\,x - 1}$$

Sequence: A203927
Score: 40.3092
Type of gen. func.: lgdogf

$$-\frac{11}{11\,x - 1}$$

Sequence: A203927

Score: 9.72927
Type of gen. func.: ogf

$$\{a(n + 1) - 11 a(n), a(0) = 396\}$$

Sequence: A203928
Score: 4.42042
Type of gen. func.: ogf

$$-(13841635159 f(x) - 3818667212280)$$

$$(70 f(x) x^2 + 21 f(x) x - f(x) + 15120 x + 4356)$$

Sequence: A203928
Score: 5.76577
Type of gen. func.: ogf

$$\{a(n + 2) - 21 a(n + 1) - 70 a(n), a(0) = 4356, a(1) = 106596\}$$

Sequence: A203928
Score: 6.02785
Type of gen. func.: lgdogf

$$-\frac{-29400 x^2 - 16940 x - 2961}{-29400 x^3 - 17290 x^2 - 2121 x + 121}$$

Sequence: A203928
Score: 9.82317
Type of gen. func.: ogf

$$-\frac{36 (420 x + 121)}{70 x^2 + 21 x - 1}$$

Sequence: A203928
Score: 9.99798
Type of gen. func.: lgdogf

$$7 (4200 x^2 + 2420 x + 423)$$

```
- --------------------------------
                          2
   (420 x + 121) (70 x  + 21 x - 1)
```

Sequence: A203929
Score: 2.98189
Type of gen. func.: ogf

$$-(31661565976391 f(x) + 6008042277916560)$$

$$(50 f(x) x^3 - 315 f(x) x^2 + 61 f(x) x + 64800 x^2 - f(x) - 379440 x + 47916)$$

Sequence: A203929
Score: 3.56047
Type of gen. func.: ogf

$$\{-a(n + 3) + 61 a(n + 2) - 315 a(n + 1) + 50 a(n), a(0) = 47916, a(1) = 2543436, a(2) = 140120856\}$$

Sequence: A203929
Score: 6.11671
Type of gen. func.: ogf

$$-\frac{36 (1800 x^2 - 10540 x + 1331)}{50 x^3 - 315 x^2 + 61 x - 1}$$

Sequence: A203958
Score: 5.05162
Type of gen. func.: ogf

$$-\frac{108 x^5 - 432 x^4 + 675 x^3 - 517 x^2 + 199 x - 32}{(3 x - 1) (2 x - 1)^2 (x - 1)^3}$$

Sequence: A203969
Score: 4.58803
Type of gen. func.: ogf

```
 8    7       5       4       3       2
```

$$-\frac{x - x - 8 x + 5 x + 3 x + 9 x + 3 x + 2}{(x^3 - x^2 - x - 1)(x^6 + x^4 - 7 x^3 - x^2 - 3 x + 1)}$$

Sequence: A203976
Score: 10.8328
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 15 x^4 + 4 x^3 - 15 x^2 - 8 x - 5}{(x^2 + 5 x + 1)(x^2 + x - 1)(x^2 - x - 1)}$$

Sequence: A203976
Score: 13.3930
Type of gen. func.: ogf

$$\frac{x (x^2 + 5 x + 1)}{(x^2 + x - 1)(x^2 - x - 1)}$$

Sequence: A203976
Score: 7.78071
Type of gen. func.: ogf

$$-(110 f(x) + 151)(f(x) x^4 - 3 f(x) x^2 - x^3 - 5 x^2 + f(x) - x)$$

Sequence: A203979
Score: 10.1568
Type of gen. func.: ogf

$$\{a(n + 1) - 9 a(n), a(0) = 96\}$$

Sequence: A203979
Score: 12.8169
Type of gen. func.: ogf

$$-9 f(x) x + f(x) - 96$$

Sequence: A203979
Score: 19.2254
Type of gen. func.: lgdogf

$$\frac{9}{-9 x + 1}$$

Sequence: A203979
Score: 20.7042
Type of gen. func.: ogf

$$- \frac{96}{9 x - 1}$$

Sequence: A203979
Score: 47.9070
Type of gen. func.: lgdogf

$$- \frac{9}{9 x - 1}$$

Sequence: A203980
Score: 3.32599
Type of gen. func.: ogf

$$-(56203 f(x) + 2679168) (324 f(x) x^4 - 270 f(x) x^3 + 10368 x^3 + 15 f(x) x - 7776 x^2 - f(x) - 576 x + 384)$$

Sequence: A203980
Score: 3.46555
Type of gen. func.: ogf

$$\{-a(n + 4) + 15 a(n + 3) - 270 a(n + 1) + 324 a(n), a(0) = 384, a(1) = 5184, a(2) = 69984, a(3) = 956448\}$$

Sequence: A203980
Score: 5.83027

Type of gen. func.: ogf

$$-\frac{96\,(108\,x^{3}-81\,x^{2}-6\,x+4)}{(18\,x^{2}-1)\,(18\,x^{2}-15\,x+1)}$$

Sequence: A203981
Score: 3.39307
Type of gen. func.: ogf

$$-\frac{96\,(6561\,x^{5}-3321\,x^{4}-2124\,x^{3}+819\,x^{2}+76\,x-16)}{(81\,x^{3}+45\,x^{2}-1)\,(81\,x^{3}-90\,x^{2}+25\,x-1)}$$

Sequence: A204010
Score: 3.73150
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2\,x^{11}-2\,x^{10}-x^{9}-2\,x^{8}-x^{7}-2\,x^{6}-x^{5}-2\,x^{4}-x^{3}-2\,x^{2}-x-2}{x^{12}-1}$$

Sequence: A204032
Score: 4.44294
Type of gen. func.: ogf

$$-\frac{32\,x^{8}-72\,x^{7}-20\,x^{6}+144\,x^{5}-52\,x^{4}-90\,x^{3}+55\,x^{2}+20\,x-16}{(x+1)\,(2\,x-1)\,(2\,x^{2}-1)^{2}\,(x-1)^{3}}$$

Sequence: A204061
Score: 12.0205
Type of gen. func.: lgdogf

$$-\frac{-x^{2}+4\,x+1}{-x^{3}+5\,x^{2}+5\,x-1}$$

Sequence: A204061
Score: 24.4012
Type of gen. func.: lgdogf

$$-\frac{x^2 - 4x - 1}{(x + 1)(x^2 - 6x + 1)}$$

Sequence: A204061
Score: 3.86589
Type of gen. func.: ogf

$\{(-n - 4)\, a(n + 4) + (16 + 5n)\, a(n + 3) + (14 + 5n)\, a(n + 2)$

$+ (-2 - n)\, a(n + 1),\ a(0) = 1,\ a(1) = 1,\ a(2) = 5,\ a(3) = 21\}$

Sequence: A204062
Score: 10.9983
Type of gen. func.: lgdogf

$$-\frac{-4x^2 + 16x + 4}{-x^3 + 5x^2 + 5x - 1}$$

Sequence: A204062
Score: 14.2978
Type of gen. func.: ogf

$$\frac{1}{(x^2 - 6x + 1)(x + 1)^2}$$

Sequence: A204062
Score: 21.2833
Type of gen. func.: lgdogf

$$-\frac{4(x^2 - 4x - 1)}{(x + 1)(x^2 - 6x + 1)}$$

Sequence: A204062
Score: 3.55668
Type of gen. func.: ogf

$$\{(-n - 4)\ a(n + 4) + (19 + 5\ n)\ a(n + 3) + (26 + 5\ n)\ a(n + 2) + (-5 - n)\ a(n + 1),\ a(0) = 1,\ a(1) = 4,\ a(2) = 26,\ a(3) = 148\}$$

Sequence: A204062
Score: 5.62908
Type of gen. func.: ogf

$$-(21439\ f(x) + 63)\ (f(x)\ x^4 - 4\ f(x)\ x^3 - 10\ f(x)\ x^2 - 4\ f(x)\ x + f(x) - 1)$$

Sequence: A204070
Score: 4.3787
Type of gen. func.: ogf

$$-(72080007\ f(x) + 82468706)\ (2\ f(x)\ x^3 - 11\ f(x)\ x^2 + 10\ f(x)\ x + 10\ x^2 - f(x) - 51\ x + 38)$$

Sequence: A204070
Score: 4.88954
Type of gen. func.: ogf

$$\{-a(n + 3) + 10\ a(n + 2) - 11\ a(n + 1) + 2\ a(n),\ a(0) = 38,\ a(1) = 329,\ a(2) = 2882\}$$

Sequence: A204070
Score: 7.98866
Type of gen. func.: lgdogf

$$- \frac{20\ x^4 - 204\ x^3 + 689\ x^2 - 816\ x + 329}{(x - 1)\ (2\ x^2 - 9\ x + 1)\ (10\ x^2 - 51\ x + 38)}$$

Sequence: A204070

Score: 8.89008
Type of gen. func.: ogf

$$- \frac{10 x^2 - 51 x + 38}{(x - 1) (2 x^2 - 9 x + 1)}$$

Sequence: A204071
Score: 2.91155
Type of gen. func.: ogf

$$-(4581054297 f(x) + 67802655392) (32 f(x) x^4 - 86 f(x) x^3 + 73 f(x) x^2 + 448 x^3 - 20 f(x) x - 1140 x^2 + f(x) + 878 x - 188)$$

Sequence: A204071
Score: 5.59663
Type of gen. func.: ogf

$$- \frac{2 (224 x^3 - 570 x^2 + 439 x - 94)}{(x - 1) (32 x^3 - 54 x^2 + 19 x - 1)}$$

Sequence: A204078
Score: 6.72746
Type of gen. func.: ogf

$$- \frac{4 x (4 x^3 + 2 x^2 + x - 1)}{(-1 + 4 x) (x - 1) (x^2 + x + 1) (4 x^2 + 2 x + 1)}$$

Sequence: A204089
Score: 11.0291
Type of gen. func.: ogf

$$-2 f(x) x^2 + 4 f(x) x + 2 x^2 - f(x) - 3 x + 1$$

Sequence: A204089
Score: 11.1867
Type of gen. func.: lgdogf

$$-\frac{-2x^2+1}{-4x^4+14x^3-16x^2+7x-1}$$

Sequence: A204089
Score: 14.7748
Type of gen. func.: ogf

$$\frac{(2x-1)(x-1)}{2x^2-4x+1}$$

Sequence: A204089
Score: 19.7369
Type of gen. func.: lgdogf

$$-\frac{2x^2-1}{(x-1)(2x-1)(2x^2-4x+1)}$$

Sequence: A204089
Score: 7.67713
Type of gen. func.: ogf

$$\{-a(n+3)+4a(n+2)-2a(n+1), a(0)=1, a(1)=1, a(2)=4\}$$

Sequence: A204090
Score: 5.16645
Type of gen. func.: ogf

$$-(627 f(x)+860)(4 f(x) x^4-14 f(x) x^3+16 f(x) x^2+4x^3-7 f(x) x$$

$$-10x^2+f(x)+5x-1)$$

Sequence: A204090

Score: 9.55794
Type of gen. func.: ogf

$$-\frac{4x^3-10x^2+5x-1}{(2x-1)(x-1)(2x^2-4x+1)}$$

Sequence: A204091
Score: 10.4273
Type of gen. func.: ogf

$$-2f(x)x^2+5f(x)x+2x^2-f(x)-3x+1$$

Sequence: A204091
Score: 10.5763
Type of gen. func.: lgdogf

$$-\frac{-4x^2+2}{-4x^4+16x^3-19x^2+8x-1}$$

Sequence: A204091
Score: 13.9687
Type of gen. func.: ogf

$$\frac{(2x-1)(x-1)}{2x^2-5x+1}$$

Sequence: A204091
Score: 17.7431
Type of gen. func.: lgdogf

$$-\frac{2(2x^2-1)}{(x-1)(2x-1)(2x^2-5x+1)}$$

Sequence: A204091

Score: 7.18779
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 10\}$$

Sequence: A204092
Score: 5.08582
Type of gen. func.: ogf

$$-(2484 f(x) + 2177) (4 f(x) x^4 - 16 f(x) x^3 + 19 f(x) x^2 + 4 x^3 - 8 f(x) x - 12 x^2 + f(x) + 5 x - 1)$$

Sequence: A204092
Score: 9.53594
Type of gen. func.: ogf

$$- \frac{4 x^3 - 12 x^2 + 5 x - 1}{(2 x - 1) (x - 1) (2 x^2 - 5 x + 1)}$$

Sequence: A204102
Score: 3.45144
Type of gen. func.: ogf

$$-(56203 f(x) + 16075008) (324 f(x) x^4 - 270 f(x) x^3 + 62208 x^3 + 15 f(x) x - 46656 x^2 - f(x) - 3456 x + 2304)$$

Sequence: A204102
Score: 3.59231
Type of gen. func.: ogf

$$\{-a(n + 4) + 15 a(n + 3) - 270 a(n + 1) + 324 a(n), a(0) = 2304, a(1) = 31104, a(2) = 419904, a(3) = 5738688\}$$

Sequence: A204102
Score: 6.00080
Type of gen. func.: ogf

$$-\frac{576\,(108\,x^{3}-81\,x^{2}-6\,x+4)}{(18\,x^{2}-1)\,(18\,x^{2}-15\,x+1)}$$

Sequence: A204103
Score: 3.45509
Type of gen. func.: ogf

$$-\frac{576\,(6561\,x^{5}-3321\,x^{4}-2124\,x^{3}+819\,x^{2}+76\,x-16)}{(81\,x^{3}+45\,x^{2}-1)\,(81\,x^{3}-90\,x^{2}+25\,x-1)}$$

Sequence: A204146
Score: 5.29451
Type of gen. func.: ogf

$$-\frac{1952\,x^{4}+820\,x^{3}-2295\,x^{2}+232\,x-689}{(x-1)\,(4\,x^{2}+1)\,(4\,x^{2}+5\,x-1)}$$

Sequence: A204185
Score: 16.0336
Type of gen. func.: ogf

$$-\frac{3\,x^{2}\,(3\,x+2)}{(x+1)\,(x-1)^{5}}$$

Sequence: A204185
Score: 18.4267
Type of gen. func.: lgdogf

$$-\frac{15\,x^{2}+24\,x+11}{3\,x^{3}+2\,x^{2}-3\,x-2}$$

Sequence: A204185
Score: 33.1549
Type of gen. func.: lgdogf

$$-\frac{15 x^2 + 24 x + 11}{(x - 1) (3 x + 2) (x + 1)}$$

Sequence: A204185
Score: 7.30527
Type of gen. func.: ogf

$$\{(5 n^2 + 33 n + 52) a(n + 1) + (44 + 20 n) a(n + 2)$$
$$+ (-5 n^2 - 13 n - 8) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 6\}$$

Sequence: A204189
Score: 12.3706
Type of gen. func.: lgdogf

$$-\frac{-37859512559734291 x + 48425980631694091}{-37859512559734291 x^2 + 81002259155448482 x - 43142746595714191}$$

Sequence: A204189
Score: 13.8898
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 43142746595714191,$$
$$a(1) = 48425980631694091\}$$

Sequence: A204189
Score: 20.5642
Type of gen. func.: ogf

$$-\frac{37859512559734291 x - 43142746595714191}{(x - 1)^2}$$

Sequence: A204189
Score: 9.53876
Type of gen. func.: ogf

$$(10566468071959800 f(x) + 188920914570094487998012256279481)$$

$$(f(x) x^2 - 2 f(x) x + f(x) + 37859512559734291 x - 43142746595714191)$$

Sequence: A204192
Score: 3.76659
Type of gen. func.: ogf

$$(4 x^{10} + 5 x^9 - 14 x^8 - 34 x^7 + 25 x^6 + 48 x^5 - 7 x^4 - 31 x^3 - 12 x^2 + 12 x + 3) / ((x - 1) (x + 1) (2 x^6 - x^5 - 3 x^4 + x^3 + 2 x^2 + 2 x - 1))$$

Sequence: A204200
Score: 10.8601
Type of gen. func.: ogf

$$- \frac{x^2 - 3 x + 1}{x^3 - 3 x^2 + 4 x - 1}$$

Sequence: A204200
Score: 12.0237
Type of gen. func.: lgdogf

$$- \frac{(x - 1) (x^3 - 5 x^2 + 3 x - 1)}{(x^2 - 3 x + 1) (x^3 - 3 x^2 + 4 x - 1)}$$

Sequence: A204200
Score: 5.91486
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A204200
Score: 5.96814
Type of gen. func.: ogf

$$(3 f(x) - 7) (f(x) x^3 - 3 f(x) x^2 + 4 f(x) x + x^2 - f(x) - 3 x + 1)$$

Sequence: A204200
Score: 6.75984
Type of gen. func.: lgdogf

$$- \frac{x^4 - 6 x^3 + 8 x^2 - 4 x + 1}{x^5 - 6 x^4 + 14 x^3 - 16 x^2 + 7 x - 1}$$

Sequence: A204214
Score: 11.5903
Type of gen. func.: lgdogf

$$- \frac{x^4 - 6 x^3 + 27 x^2 + 88 x + 120}{(x - 1) (x^4 - 5 x^3 + 14 x^2 + 15 x + 21)}$$

Sequence: A204214
Score: 7.06739
Type of gen. func.: lgdogf

$$- \frac{-x^4 + 6 x^3 - 27 x^2 - 88 x - 120}{-x^5 + 6 x^4 - 19 x^3 - x^2 - 6 x + 21}$$

Sequence: A204214
Score: 7.35586
Type of gen. func.: ogf

$$- \frac{x^4 - 5 x^3 + 14 x^2 + 15 x + 21}{(x - 1)^5}$$

Sequence: A204215
Score: 5.98087
Type of gen. func.: ogf

$$-\frac{x^5 - 6x^4 + 6x^3 - 135x^2 - 167x - 51}{(x-1)^6}$$

Sequence: A204215
Score: 8.68903
Type of gen. func.: lgdogf

$$-\frac{x^5 - 7x^4 - 6x^3 - 522x^2 - 1105x - 473}{(x-1)(x^5 - 6x^4 + 6x^3 - 135x^2 - 167x - 51)}$$

Sequence: A204216
Score: 4.65357
Type of gen. func.: ogf

$$-\frac{x^6 - 7x^5 + 42x^4 + 481x^3 + 1684x^2 + 1036x + 127}{(x-1)^7}$$

Sequence: A204220
Score: 6.76649
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^5 - x^2 + 1}{x^6 + x^5 - x - 1}$$

Sequence: A204221
Score: 7.34173
Type of gen. func.: ogf

$$-\frac{x(x^2 - x + 1)(x^4 + 8x^3 + 12x^2 + 8x + 1)}{(x^2+1)^2 (x+1)^2 (x-1)^3}$$

Sequence: A204238
Score: 14.1417
Type of gen. func.: lgdogf

$$-\frac{-4\,x+17}{-4\,x^{2}+7\,x+2}$$

Sequence: A204238
Score: 15.0640
Type of gen. func.: ogf

$$-\frac{x-2}{(4\,x+1)^{2}}$$

Sequence: A204238
Score: 20.1203
Type of gen. func.: lgdogf

$$-\frac{-17+4\,x}{(4\,x+1)\,(x-2)}$$

Sequence: A204238
Score: 7.45101
Type of gen. func.: ogf

$$-(72\,f(x)+145)\,(16\,f(x)\,x^{2}+8\,f(x)\,x+f(x)+x-2)$$

Sequence: A204238
Score: 8.24932
Type of gen. func.: ogf

$$\{a(n+2)+8\,a(n+1)+16\,a(n),\ a(0)=2,\ a(1)=-17\}$$

Sequence: A204240
Score: 11.1606

Type of gen. func.: lgdogf

$$-\frac{-20 x + 14}{-20 x^{2} + x + 1}$$

Sequence: A204240
Score: 12.1104
Type of gen. func.: ogf

$$-\frac{-1 + 4 x}{(5 x + 1)^{2}}$$

Sequence: A204240
Score: 13.1698
Type of gen. func.: lgdogf

$$-\frac{2 (-7 + 10 x)}{(5 x + 1) (-1 + 4 x)}$$

Sequence: A204240
Score: 6.12031
Type of gen. func.: ogf

$$-(45 f(x) + 53) (25 f(x) x^{2} + 10 f(x) x + f(x) + 4 x - 1)$$

Sequence: A204240
Score: 6.69634
Type of gen. func.: ogf

$$\{a(n + 2) + 10 a(n + 1) + 25 a(n), a(0) = 1, a(1) = -14\}$$

Sequence: A204278
Score: 4.98440
Type of gen. func.: ogf

```
       8          7          6          5          4          3          2
(3072 x  + 1792 x  - 3772 x  - 2850 x  - 1604 x  + 2402 x  + 1001 x  + 200 x

              /              2                3
```

- 274) / ((x - 1) (2 x + 2 x - 1) (2 x - 1))

Sequence: A204279
Score: 5.43016
Type of gen. func.: ogf

$$\frac{3136 x^7 + 2708 x^6 - 4966 x^5 - 4264 x^4 + 128 x^3 + 2467 x^2 + 1484 x - 783}{(x - 1) (2 x^2 + 2 x - 1) (2 x^3 - 1)}$$

Sequence: A204280
Score: 5.50139
Type of gen. func.: ogf

$$\frac{128 x^7 + 6528 x^6 - 814 x^5 - 10258 x^4 + 524 x^3 + 323 x^2 + 5081 x - 1758}{(x - 1) (2 x^2 + 2 x - 1) (2 x^3 - 1)}$$

Sequence: A204281
Score: 5.32674
Type of gen. func.: ogf

$$(640 x^7 + 19868 x^6 - 2022 x^5 - 30988 x^4 + 560 x^3 + 1283 x^2 + 15250 x - 5263) \Big/ ((x - 1) (2 x^2 + 2 x - 1) (2 x^3 - 1))$$

Sequence: A204282
Score: 5.29441
Type of gen. func.: ogf

$$(128 x^7 + 53524 x^6 - 2918 x^5 - 82896 x^4 + 1352 x^3 + 1427 x^2 + 41688 x - 14141) \Big/ ((x - 1) (2 x^2 + 2 x - 1) (2 x^3 - 1))$$

Sequence: A204283
Score: 5.31321

Type of gen. func.: ogf

$$(256 x^7 + 111900 x^6 - 7654 x^5 - 174812 x^4 + 4056 x^3 + 3659 x^2 + 87310 x - 29731) / ((x - 1) (2 x^2 + 2 x - 1) (2 x^3 - 1))$$

Sequence: A204295
Score: 3.97971
Type of gen. func.: ogf

$$- \frac{4 x (8 x^7 - 4 x^6 - 4 x^5 - 15 x^4 + 5 x^3 + 2 x^2 + 3 x - 1)}{(x - 1) (-1 + 4 x) (x + 1) (x^2 + x + 1) (x^2 - 3 x + 1) (4 x^2 + 2 x + 1)}$$

Sequence: A204364
Score: 4.75495
Type of gen. func.: ogf

$$(1800 x^8 + 708 x^7 - 1796 x^6 - 2006 x^5 - 848 x^4 + 1306 x^3 + 725 x^2 + 170 x - 212) / ((x - 1) (2 x^2 + 2 x - 1) (2 x^3 - 1))$$

Sequence: A204365
Score: 4.97464
Type of gen. func.: ogf

$$(200 x^8 + 1732 x^7 + 1104 x^6 - 3486 x^5 - 2506 x^4 + 404 x^3 + 1677 x^2 + 992 x - 555) / ((x - 1) (2 x^2 + 2 x - 1) (2 x^3 - 1))$$

Sequence: A204366
Score: 4.90039
Type of gen. func.: ogf

$$(200 x^8 + 1092 x^7 + 1928 x^6 - 3442 x^5 - 4498 x^4 + 1162 x^3 + 1517 x^2 + 1960 x - 891) / ((x - 1) (2 x^2 + 2 x - 1) (2 x^3 - 1))$$

/

Sequence: A204367
Score: 4.92299
Type of gen. func.: ogf

$$(200 x^8 + 2628 x^7 + 5888 x^6 - 7618 x^5 - 12706 x^4 + 1862 x^3 + 4103 x^2 + 5542 x - 2419) / ((x - 1) (2 x^2 + 2 x - 1) (2 x^3 - 1))$$

Sequence: A204368
Score: 4.78234
Type of gen. func.: ogf

$$(200 x^8 + 7620 x^7 + 14336 x^6 - 21146 x^5 - 31138 x^4 + 4766 x^3 + 10491 x^2 + 14008 x - 6121) / ((x - 1) (2 x^2 + 2 x - 1) (2 x^3 - 1))$$

Sequence: A204369
Score: 4.74954
Type of gen. func.: ogf

$$(200 x^8 + 20676 x^7 + 28976 x^6 - 57170 x^5 - 69218 x^4 + 13586 x^3 + 28227 x^2 + 29408 x - 13693) / ((x - 1) (2 x^2 + 2 x - 1) (2 x^3 - 1))$$

Sequence: A204373
Score: 3.50443
Type of gen. func.: ogf

$$\frac{8 x^7 + 16 x^6 + 14 x^5 - 27 x^4 - 55 x^3 - 20 x^2 + 15 x + 33}{(x - 1) (x^2 + x + 1) (x^2 + x - 1)}$$

Sequence: A204375
Score: 6.21463

Type of gen. func.: ogf

$$\frac{8 x^7 + 16 x^6 + 22 x^5 - 26 x^4 - 90 x^3 - 45 x^2 - 3 x + 51}{(x - 1) (x^2 + x + 1) (x^2 + x - 1)}$$

Sequence: A204376
Score: 6.16452
Type of gen. func.: ogf

$$\frac{4 x^7 + 8 x^6 + 37 x^5 - 14 x^4 - 118 x^3 - 71 x^2 - 24 x + 78}{(x - 1) (x^2 + x + 1) (x^2 + x - 1)}$$

Sequence: A204377
Score: 5.83966
Type of gen. func.: ogf

$$\frac{4 x^7 + 4 x^6 + 56 x^5 - x^4 - 164 x^3 - 101 x^2 - 50 x + 113}{(x - 1) (x^2 + x + 1) (x^2 + x - 1)}$$

Sequence: A204378
Score: 5.77546
Type of gen. func.: ogf

$$\frac{4 x^7 + 4 x^6 + 101 x^5 + 21 x^4 - 257 x^3 - 172 x^2 - 94 x + 182}{(x - 1) (x^2 + x + 1) (x^2 + x - 1)}$$

Sequence: A204379
Score: 5.78544
Type of gen. func.: ogf

$$\frac{4 x^7 + 4 x^6 + 163 x^5 + 42 x^4 - 400 x^3 - 275 x^2 - 158 x + 286}{(x - 1) (x^2 + x + 1) (x^2 + x - 1)}$$

Sequence: A204380
Score: 5.78544
Type of gen. func.: ogf

$$\frac{4 x^7 + 4 x^6 + 252 x^5 + 65 x^4 - 620 x^3 - 427 x^2 - 246 x + 439}{(x - 1) (x^2 + x + 1) (x^2 + x - 1)}$$

Sequence: A204391
Score: 4.28263
Type of gen. func.: ogf

$$-(256711 f(x) + 4048048)$$

$$(4 f(x) x^4 - 10 f(x) x^3 + 128 x^3 + 5 f(x) x - 288 x^2 - f(x) - 72 x + 144)$$

Sequence: A204391
Score: 6.20990
Type of gen. func.: lgdogf

$$- \frac{64 x^6 - 288 x^5 + 252 x^4 + 308 x^3 - 312 x^2 - 72 x + 81}{(2 x^2 - 1) (16 x^3 - 36 x^2 - 9 x + 18) (2 x^2 - 5 x + 1)}$$

Sequence: A204391
Score: 7.89783
Type of gen. func.: ogf

$$- \frac{8 (16 x^3 - 36 x^2 - 9 x + 18)}{(2 x^2 - 1) (2 x^2 - 5 x + 1)}$$

Sequence: A204409
Score: 4.27956
Type of gen. func.: ogf

$$\frac{2 (66604032 x^5 + 51511104 x^4 - 1780119 x^3 - 473995 x^2 - 77469 x - 1785)}{2304 x^3 - 1}$$

Sequence: A204418
Score: 11.6896
Type of gen. func.: ogf

$$-\frac{x^2 + 1}{(x - 1)(x^2 + x + 1)}$$

Sequence: A204418
Score: 14.1705
Type of gen. func.: ogf_with_Euler_transform]

$$-x (x^2 - x - 1)$$

Sequence: A204418
Score: 16.0938
Type of gen. func.: lgdogf

$$-\frac{x (x^3 + 3 x + 2)}{(x - 1)(x^2 + 1)(x^2 + x + 1)}$$

Sequence: A204418
Score: 16.9062
Type of gen. func.: ogf

$$f(x) x^3 + x^2 - f(x) + 1$$

Sequence: A204418
Score: 7.01373
Type of gen. func.: ogf

$$\{a(n + 3) - a(n), a(0) = 1, a(1) = 0, a(2) = 1\}$$

Sequence: A204454

Score: 6.17350
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^{9} + 2 x^{8} + 2 x^{7} + 2 x^{6} + 4 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 1}{(x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A204457
Score: 4.20113
Type of gen. func.: ogf

$$(x^{12} + 2 x^{11} + 2 x^{10} + 2 x^{9} + 2 x^{8} + 2 x^{7} + 4 x^{6} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 1) \Big/ ((x + 1) (x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2})$$

Sequence: A204467
Score: 12.0526
Type of gen. func.: ogf

$$-\frac{(2 x + 1) (x^{2} + 4 x + 1)}{(x + 1) (x - 1)^{3}}$$

Sequence: A204467
Score: 13.3808
Type of gen. func.: lgdogf

$$-\frac{2 (x^{4} + 11 x^{3} + 21 x^{2} + 17 x + 4)}{(x - 1) (2 x + 1) (x + 1) (x^{2} + 4 x + 1)}$$

Sequence: A204467
Score: 6.60025
Type of gen. func.: ogf

$-(27 f(x) + 773)$

4 3 3 2

$$(f(x)\, x - 2\, f(x)\, x + 2\, x + 2\, f(x)\, x + 9\, x - f(x) + 6\, x + 1)$$

Sequence: A204467
Score: 8.40032
Type of gen. func.: lgdogf

$$-\frac{2 x^{4} + 22 x^{3} + 42 x^{2} + 34 x + 8}{2 x^{5} + 9 x^{4} + 4 x^{3} - 8 x^{2} - 6 x - 1}$$

Sequence: A204468
Score: 7.79269
Type of gen. func.: ogf

$$\frac{x (5 x^{4} + 9 x^{3} + 12 x^{2} + 5 x + 1)}{(x^{2} + x + 1) (x - 1)^{4}}$$

Sequence: A204468
Score: 9.36566
Type of gen. func.: lgdogf

$$-\frac{2 (x + 1) (5 x^{5} + 16 x^{4} + 29 x^{3} + 25 x^{2} + 17 x + 4)}{(x - 1) (x^{2} + x + 1) (5 x^{4} + 9 x^{3} + 12 x^{2} + 5 x + 1)}$$

Sequence: A204469
Score: 4.32018
Type of gen. func.: ogf

$$-(12 x^{10} + 390 x^{9} + 1821 x^{8} + 4057 x^{7} + 6070 x^{6} + 6651 x^{5} + 5374 x^{4} + 3123 x^{3} + 1112 x^{2} + 139 x + 1) / ((x^{2} + 1) (x^{2} + x + 1) (x + 1)^{2} (x - 1)^{5})$$

Sequence: A204470
Score: 4.11364
Type of gen. func.: ogf

$$x \left(32 x^{9} + 352 x^{8} + 979 x^{7} + 1370 x^{6} + 1425 x^{5} + 1394 x^{4} + 1072 x^{3} + 449 x^{2} + 54 x + 1\right) \Big/ \left((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{6}\right)$$

Sequence: A204502
Score: 11.4481
Type of gen. func.: lgdogf

$$- \frac{3 x^{5} - 3 x^{4} - 4 x^{3} - 2}{-x^{6} + x^{4} - x + 1}$$

Sequence: A204502
Score: 15.2642
Type of gen. func.: ogf

$$\frac{x (x^{2} + x + 1) (x^{3} - x + 1)}{(x - 1)^{2}}$$

Sequence: A204502
Score: 17.8672
Type of gen. func.: lgdogf

$$\frac{3 x^{5} - 3 x^{4} - 4 x^{3} - 2}{(x - 1) (x^{2} + x + 1) (x^{3} - x + 1)}$$

Sequence: A204503
Score: 12.1716
Type of gen. func.: lgdogf

$$\frac{21 x^{6} - 66 x^{5} + 49 x^{4} + 44 x^{3} + 2 x + 4}{(x - 1) (7 x^{6} - 12 x^{5} - 11 x^{4} - x - 1)}$$

Sequence: A204503
Score: 9.96369
Type of gen. func.: ogf

$$\frac{x\,(7\,x^{6} - 12\,x^{5} - 11\,x^{4} - x - 1)}{(x - 1)^{3}}$$

Sequence: A204504
Score: 9.14623
Type of gen. func.: ogf

$$-\frac{x^{3}\,(4\,x + 1)\,(x^{2} + 1)}{(x - 1)\,(x + 1)\,(x^{2} + 6\,x + 1)\,(x^{2} - 6\,x + 1)}$$

Sequence: A204512
Score: 13.3113
Type of gen. func.: ogf

$$\frac{x^{3}\,(2\,x + 1)}{(x^{2} + 2\,x - 1)\,(x^{2} - 2\,x - 1)}$$

Sequence: A204512
Score: 13.4865
Type of gen. func.: lgdogf

$$-\frac{2\,(3\,x^{2} - 4\,x - 1)\,(x + 1)^{2}}{(2\,x + 1)\,(x^{2} + 2\,x - 1)\,(x^{2} - 2\,x - 1)}$$

Sequence: A204512
Score: 7.66407
Type of gen. func.: lgdogf

$$-\frac{-6\,x^{4} - 4\,x^{3} + 12\,x^{2} + 12\,x + 2}{-2\,x^{5} - x^{4} + 12\,x^{3} + 6\,x^{2} - 2\,x - 1}$$

Sequence: A204512
Score: 8.92638
Type of gen. func.: ogf

$$f(x) (f(x) x^4 - 2 x^4 - 6 f(x) x^2 - x^3 + f(x))$$

Sequence: A204513
Score: 12.4875
Type of gen. func.: ogf

$$- \frac{x^3 (x^6 + 36 x^5 + 9 x^4 + 34 x^3 + 36 x^2 + 9 x + 1)}{(x - 1) (x^2 + x + 1) (x^6 - 254 x^3 + 1)}$$

Sequence: A204514
Score: 10.2817
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^6 + 3 x^5 + 15 x^4 - 2 x^3 - 3 x^2 + 3 x + 1)}{(2 x + 1) (3 x^2 - 1) (x^2 + 2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A204514
Score: 12.5211
Type of gen. func.: ogf

$$- \frac{x (2 x + 1) (3 x^2 - 1)}{(x^2 + 2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A204514
Score: 8.07438
Type of gen. func.: ogf

$$(64 f(x) + 15) (f(x) x^4 + 6 x^4 - 6 f(x) x^2 + 3 x^3 - 2 x^2 + f(x) - x)$$

Sequence: A204515
Score: 4.57270
Type of gen. func.: ogf

$$\{(-16 n^3 - 96 n^2 - 188 n - 120) a(n + 1) + (n^2 + 6 n + 9) a(n + 2), a(0) = 1,$$
$$a(1) = 3\}$$

Sequence: A204516
Score: 7.89703
Type of gen. func.: ogf

$$- \frac{x (3 x^5 + 16 x^4 + 8 x^3 - 3 x^2 - 2 x - 1)}{x^6 - 16 x^3 + 1}$$

Sequence: A204517
Score: 10.6785
Type of gen. func.: ogf

$$\frac{x^3 (x^3 + 6 x^2 + 3 x + 1)}{x^6 - 16 x^3 + 1}$$

Sequence: A204517
Score: 9.04270
Type of gen. func.: lgdogf

$$- \frac{3 (x^8 + 8 x^7 + 5 x^6 + 2 x^5 - 32 x^4 - 32 x^3 - 17 x^2 - 4 x - 1)}{(x^3 + 6 x^2 + 3 x + 1) (x^6 - 16 x^3 + 1)}$$

Sequence: A204518
Score: 8.75510
Type of gen. func.: ogf

$$- \frac{x (x + 1) (3 x^4 + 7 x^3 - 2 x^2 - x - 1)}{^{6} \qquad ^{3}}$$

$$x - 10 x + 1$$

Sequence: A204519
Score: 7.18964
Type of gen. func.: ogf

$$\frac{x^{3} (x^{3} + 4 x^{2} + 2 x + 1)}{x^{6} - 10 x^{3} + 1}$$

Sequence: A204520
Score: 4.47979
Type of gen. func.: ogf

$$- \frac{x (x + 1) (3 x^{6} + 4 x^{5} + 14 x^{4} - 5 x^{3} - 2 x^{2} - x - 1)}{(x^{4} - 4 x^{2} - 1) (x^{4} + 4 x^{2} - 1)}$$

Sequence: A204521
Score: 4.34413
Type of gen. func.: ogf

$$\frac{x^{3} (x^{5} + 3 x^{4} + 8 x^{3} + 4 x^{2} + 3 x + 1)}{(x^{4} - 4 x^{2} - 1) (x^{4} + 4 x^{2} - 1)}$$

Sequence: A204531
Score: 6.64563
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^{7} - 2 x^{6} + 3 x^{5} - 2 x^{4} + 3 x^{3} - 2 x^{2} + 3 x - 2}{-x^{8} + 1}$$

Sequence: A204542
Score: 11.4322
Type of gen. func.: ogf

$$\frac{x^4 + 3 x^3 + 7 x^2 + 3 x + 1}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A204542
Score: 9.49347
Type of gen. func.: lgdogf

$$- \frac{x^7 + 7 x^6 + 25 x^5 + 23 x^4 + 22 x^3 + 20 x^2 + 18 x + 4}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 3 x^3 + 7 x^2 + 3 x + 1)}$$

Sequence: A204543
Score: 8.79365
Type of gen. func.: ogf

$$- \frac{4 x^5 + 7 x^4 + 30 x^3 + 25 x^2 + 26 x + 16}{(x^2 + 1) (2 x^2 - 1)}$$

Sequence: A204555
Score: 6.52986
Type of gen. func.: ogf

$$- \frac{x^6 - 2 x^5 - 4 x^4 - x^3 + x^2 - x - 1}{(x + 1)^3 (x - 1)^4}$$

Sequence: A204556
Score: 6.99113
Type of gen. func.: ogf

$$\frac{3 x^5 + 3 x^4 + 12 x^3 + 4 x^2 + x + 1}{(x + 1)^3 (x - 1)^4}$$

Sequence: A204556

Score: 9.41647
Type of gen. func.: lgdogf

$$-\frac{2 (3 x^6 + 6 x^5 + 33 x^4 + 22 x^3 + 23 x^2 + 8 x + 1)}{(x - 1) (x + 1) (3 x^5 + 3 x^4 + 12 x^3 + 4 x^2 + x + 1)}$$

Sequence: A204557
Score: 6.88491
Type of gen. func.: ogf

$$-\frac{x^5 - x^4 - 6 x^3 - 14 x^2 - 3 x - 1}{(x + 1)^3 (x - 1)^4}$$

Sequence: A204557
Score: 9.72408
Type of gen. func.: lgdogf

$$-\frac{2 (x^6 - x^5 - 10 x^4 - 40 x^3 - 25 x^2 - 19 x - 2)}{(x - 1) (x + 1) (x^5 - x^4 - 6 x^3 - 14 x^2 - 3 x - 1)}$$

Sequence: A204558
Score: 6.17805
Type of gen. func.: ogf

$$-\frac{x^6 + 4 x^5 + 31 x^4 + 24 x^3 + 31 x^2 + 4 x + 1}{(x + 1)^3 (x - 1)^5}$$

Sequence: A204562
Score: 6.79132
Type of gen. func.: ogf

$$-\frac{x^{47} + x^{46} - x^{45} - x^{31} - x^{17} - x^{16} - x^{15} - x - 1}{(x - 1) (x^{46} - x^{16} - 1)}$$

```
------------------------------------------------------------------------------

Sequence:  A204565
Score: 4.66253
Type of gen. func.: ogf


-(8259548 f(x) + 21920409)

              3            2                   2
    (21 f(x) x  - 31 f(x) x  + 11 f(x) x + 42 x  - f(x) - 46 x + 8)



------------------------------------------------------------------------------

Sequence:  A204565
Score: 5.25522
Type of gen. func.: ogf


{-a(n + 3) + 11 a(n + 2) - 31 a(n + 1) + 21 a(n), a(0) = 8, a(1) = 42,

    a(2) = 256}



------------------------------------------------------------------------------

Sequence:  A204565
Score: 8.33059
Type of gen. func.: lgdogf


                           4        3        2
                      441 x  - 966 x  + 734 x  - 206 x + 21
                - -----------------------------------------------
                                                   2
                  (x - 1) (3 x - 1) (7 x - 1) (21 x  - 23 x + 4)



------------------------------------------------------------------------------

Sequence:  A204565
Score: 9.39570
Type of gen. func.: ogf


                                     2
                              2 (21 x  - 23 x + 4)
                         - ---------------------------
                           (x - 1) (3 x - 1) (7 x - 1)



------------------------------------------------------------------------------

Sequence:  A204566
Score: 4.93785
Type of gen. func.: ogf


                            4       3        2
                     2 (30 x  - 37 x  - 136 x  + 158 x - 21)
                  - -------------------------------------------
                                2                2
                    (x - 1) (2 x  - 5 x + 1) (6 x  + 13 x - 1)
```

Sequence: A204573
Score: 6.89130
Type of gen. func.: ogf

$$-\frac{x^{3} (x^{6} + 16 x^{5} + 4 x^{4} + 22 x^{3} + 16 x^{2} + 4 x + 1)}{(x - 1) (x^{2} + x + 1) (x^{6} - 98 x^{3} + 1)}$$

Sequence: A204609
Score: 8.23056
Type of gen. func.: ogf

$$-\frac{x^{5} + 4 x^{4} + 8 x^{3} + 16 x^{2} + x - 16}{(x - 1) (2 x^{2} + 2 x - 1)}$$

Sequence: A204610
Score: 5.49101
Type of gen. func.: ogf

$$\frac{6 x^{6} + 77 x^{5} - 28 x^{4} - 229 x^{3} + 102 x^{2} + 101 x - 47}{(x - 1) (2 x - 1) (6 x^{2} + 3 x - 1)}$$

Sequence: A204611
Score: 3.47677
Type of gen. func.: ogf

$$- (192 x^{9} - 64 x^{8} - 2576 x^{7} - 1760 x^{6} + 4228 x^{5} - 8 x^{4} - 2688 x^{3} + 840 x^{2} + 376 x - 125) / ((2 x - 1) (4 x^{2} + 2 x - 1) (8 x^{4} + 16 x^{3} - 12 x^{2} - 5 x + 1))$$

Sequence: A204623
Score: 11.4444
Type of gen. func.: ogf

$$\{a(n+1) - 8 a(n), a(0) = 12\}$$

Sequence: A204623
Score: 14.4418
Type of gen. func.: ogf

$$-8 f(x) x + f(x) - 12$$

Sequence: A204623
Score: 21.6627
Type of gen. func.: lgdogf

$$\frac{8}{-8 x + 1}$$

Sequence: A204623
Score: 23.3290
Type of gen. func.: ogf

$$-\frac{12}{8 x - 1}$$

Sequence: A204623
Score: 54.0706
Type of gen. func.: lgdogf

$$-\frac{8}{8 x - 1}$$

Sequence: A204624
Score: 10.6664
Type of gen. func.: ogf

$$-\frac{3 (21 x - 32)}{14 x^2 - 22 x + 1}$$

Sequence: A204624
Score: 11.1266
Type of gen. func.: lgdogf

$$-\frac{294 x^2 - 896 x + 683}{(21 x - 32) (14 x^2 - 22 x + 1)}$$

Sequence: A204624
Score: 5.22654
Type of gen. func.: ogf

$$-(4710 f(x) + 14329) (14 f(x) x^2 - 22 f(x) x + f(x) + 63 x - 96)$$

Sequence: A204624
Score: 5.93925
Type of gen. func.: ogf

$$\{a(n + 2) - 22 a(n + 1) + 14 a(n), a(0) = 96, a(1) = 2049\}$$

Sequence: A204624
Score: 6.78771
Type of gen. func.: lgdogf

$$-\frac{-294 x^2 + 896 x - 683}{-294 x^3 + 910 x^2 - 725 x + 32}$$

Sequence: A204625
Score: 3.37403
Type of gen. func.: ogf

$$-(463749850973 f(x) + 2909171424603)$$

$$(68 f(x) x^3 - 175 f(x) x^2 + 60 f(x) x + 918 x^2 - f(x) - 2346 x + 768)$$

Sequence: A204625
Score: 3.92758
Type of gen. func.: ogf

{-a(n + 3) + 60 a(n + 2) - 175 a(n + 1) + 68 a(n), a(0) = 768, a(1) = 43734,

a(2) = 2490558}

Sequence: A204625
Score: 6.98236
Type of gen. func.: ogf

$$-\frac{6\,(153\,x^2 - 391\,x + 128)}{68\,x^3 - 175\,x^2 + 60\,x - 1}$$

Sequence: A204631
Score: 10.0731
Type of gen. func.: lgdogf

$$-\frac{-7\,x^6 + 5\,x^4 - 2\,x - 1}{-x^7 + x^5 - x^2 - x + 1}$$

Sequence: A204631
Score: 16.4458
Type of gen. func.: ogf

$$-\frac{1}{x^7 - x^5 + x^2 + x - 1}$$

Sequence: A204631
Score: 20.8155
Type of gen. func.: lgdogf

$$-\frac{7\,x^6 - 5\,x^4 + 2\,x + 1}{x^7 - x^5 + x^2 + x - 1}$$

Sequence: A204638
Score: 3.18324
Type of gen. func.: ogf

$$(504 x^9 + 36801 x^8 + 31551 x^7 - 90750 x^6 - 42717 x^5 + 54046 x^4 + 13934 x^3 + 11776 x^2 - 20851 x + 4246) / ((x - 1) (3 x^2 + 3 x - 1) (x^2 + x - 1) (3 x^3 - 1))$$

Sequence: A204644
Score: 10.1682
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 4 x^2 + 2 x - 4}{-x^5 + 4 x^3 - x^2 - 4 x + 2}$$

Sequence: A204644
Score: 16.6012
Type of gen. func.: ogf

$$-\frac{4 (x^2 - 2)}{(x^2 + x - 1) (x - 1)}$$

Sequence: A204644
Score: 18.1619
Type of gen. func.: lgdogf

$$-\frac{(x - 2) (x^3 + 2 x^2 - 2)}{(x - 1) (x^2 - 2) (x^2 + x - 1)}$$

Sequence: A204644
Score: 8.47353
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n), a(0) = 8, a(1) = 16, a(2) = 28\}$$

Sequence: A204644
Score: 9.13999
Type of gen. func.: ogf

$$(3 f(x) - 7) (f(x) x^3 - 2 f(x) x + 4 x^2 + f(x) - 8)$$

Sequence: A204645
Score: 7.72451
Type of gen. func.: ogf

$$- \frac{6 x^5 - 23 x^4 + 26 x^3 + 8 x^2 - 32 x + 16}{(x + 1) (x - 1)^5}$$

Sequence: A204645
Score: 8.65352
Type of gen. func.: lgdogf

$$- \frac{2 (3 x^6 - 11 x^5 + 8 x^4 + 22 x^3 - 25 x^2 - 8 x + 16)}{(x - 1) (x + 1) (6 x^5 - 23 x^4 + 26 x^3 + 8 x^2 - 32 x + 16)}$$

Sequence: A204646
Score: 6.88112
Type of gen. func.: ogf

$$\frac{3 x^6 - 20 x^5 + 48 x^4 - 42 x^3 - 20 x^2 + 56 x - 28}{(x + 1) (x - 1)^5}$$

Sequence: A204647
Score: 5.04522
Type of gen. func.: ogf

$$\frac{4 x^8 - 5 x^7 - 43 x^6 + 145 x^5 - 167 x^4 + 10 x^3 + 160 x^2 - 150 x + 48}{(x + 1) (x - 1)^6}$$

Sequence: A204648
Score: 4.23157
Type of gen. func.: ogf

$$(4x^{10} - 8x^9 + 4x^8 - 89x^7 + 379x^6 - 600x^5 + 292x^4 + 335x^3 - 582x^2 + 343x - 80) \Big/ ((x+1)(x-1)^7)$$

Sequence: A204671
Score: 8.98695
Type of gen. func.: ogf

$$\frac{x^6 - 5x^5 - 4x^4 - 3x^3 - 4x^2 - x - 1}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A204674
Score: 11.2319
Type of gen. func.: lgdogf

$$-\frac{6(5x^2 + 9x + 2)}{(x-1)(5x+1)(3x+1)}$$

Sequence: A204674
Score: 6.15466
Type of gen. func.: ogf

$$(6455808 f(x) + 61153055)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 15 x^2 + f(x) - 8x - 1)$$

Sequence: A204674
Score: 6.28349
Type of gen. func.: ogf

$$\frac{(3x+1)(5x+1)}{(x-1)^4}$$

Sequence: A204675
Score: 11.8089
Type of gen. func.: lgdogf

$$-\frac{15 x^2 + 62 x + 19}{15 x^3 + x^2 - 15 x - 1}$$

Sequence: A204675
Score: 12.9335
Type of gen. func.: ogf

$$-\frac{(x + 1) (15 x + 1)}{(x - 1)^3}$$

Sequence: A204675
Score: 21.0490
Type of gen. func.: lgdogf

$$-\frac{(5 x + 19) (3 x + 1)}{(x - 1) (15 x + 1) (x + 1)}$$

Sequence: A204675
Score: 6.57106
Type of gen. func.: ogf

$(201088 f(x) - 2199513)$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 15 x^2 - f(x) + 16 x + 1)$$

Sequence: A204675
Score: 7.14747
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 19, a(2) = 69\}$

Sequence: A204678
Score: 7.49809
Type of gen. func.: ogf

$$\frac{(x+1)(x^4+2x^3-2x^2-3x+1)}{(3x^2+3x-1)(x^2+x-1)}$$

Sequence: A204679
Score: 3.82587
Type of gen. func.: ogf

$$\frac{9x^7-21x^6-57x^5+140x^4+3x^3-79x^2-13x+2}{(3x+1)(x+1)(x^2-3x+1)(9x^2-15x+1)}$$

Sequence: A204688
Score: 9.11536
Type of gen. func.: ogf

$$\frac{x^6-2x^5-x^4-x^2-x-1}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A204689
Score: 10.4988
Type of gen. func.: ogf

$$\frac{x^4-3x^3-x-1}{(x-1)(x+1)(x^2+1)}$$

Sequence: A204689
Score: 13.5544
Type of gen. func.: lgdogf

$$\frac{3x^6+3x^4+9x^2+1}{(x-1)(x+1)(x^2+1)(x^4-3x^3-x-1)}$$

Sequence: A204689
Score: 5.64558
Type of gen. func.: ogf

$$\{-a(n + 5) + a(n + 1), a(0) = 1, a(1) = 1, a(2) = 0, a(3) = 3, a(4) = 0\}$$

Sequence: A204689
Score: 9.81036
Type of gen. func.: ogf

$$f(x) x^4 - x^4 + 3 x^3 - f(x) + x + 1$$

Sequence: A204694
Score: 6.69887
Type of gen. func.: ogf

$$\frac{4 x^{10} + x^8 - 7 x^7 - 5 x^5 - 3 x^3 - 4 x^2 - x - 1}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A204695
Score: 4.58911
Type of gen. func.: ogf

$$(x^{18} - 8 x^{17} - 7 x^{16} - 7 x^{14} - 4 x^{13} - 5 x^{11} - x^{10} - x^8 - 7 x^7 - 2 x^5 - 4 x^4 - 4 x^2 - x - 1) / ((x - 1) (x^2 + x + 1) (x^6 + x^3 + 1) (x + 1) (x^2 - x + 1) (x^6 - x^3 + 1))$$

Sequence: A204696
Score: 11.5994
Type of gen. func.: lgdogf

$$- \frac{8 x^4 + 8 x^3 - 22 x^2 + 4 x + 3}{8 x^5 - 14 x^3 + 4 x^2 + 5 x - 2}$$

Sequence: A204696
Score: 14.7035
Type of gen. func.: ogf

$$-\frac{8 x^5 (2 x^2 + x - 2)}{(2 x - 1) (2 x^2 - 1)}$$

Sequence: A204696
Score: 18.3797
Type of gen. func.: lgdogf

$$-\frac{8 x^4 + 8 x^3 - 22 x^2 + 4 x + 3}{(2 x - 1) (2 x^2 - 1) (2 x^2 + x - 2)}$$

Sequence: A204699
Score: 4.00088
Type of gen. func.: ogf

$\{a(n + 5) - 6 a(n + 4) - 12 a(n + 3) + 8 a(n + 2), a(0) = 2, a(1) = 14,$

$a(2) = 96, a(3) = 726, a(4) = 5400\}$

Sequence: A204699
Score: 4.313
Type of gen. func.: ogf

$(3818280 f(x) - 4908301)$

$(8 f(x) x^3 - 4 x^4 - 12 f(x) x^2 + 2 x^3 - 6 f(x) x + 12 x^2 + f(x) - 2 x - 2)$

Sequence: A204699
Score: 7.09703
Type of gen. func.: lgdogf

$$\frac{16 x^6 - 48 x^5 + 24 x^4 + 4 x^3 + 21 x^2 + 12 x + 7}{{}^{2}\qquad\qquad{}^{3}}$$

$$(2 x + 1) (2 x - 1) (4 x - 8 x + 1) (x - 3 x - 1)$$

Sequence: A204699
Score: 7.69789
Type of gen. func.: ogf

$$\frac{2 (2 x - 1) (x^3 - 3 x - 1)}{(2 x + 1) (4 x^2 - 8 x + 1)}$$

Sequence: A204707
Score: 10.4983
Type of gen. func.: ogf

$$- \frac{24 x^2 - 7 x - 13}{(x - 1) (4 x^2 + x - 1)}$$

Sequence: A204707
Score: 5.42126
Type of gen. func.: ogf

$$-(260 f(x) + 2983) (4 f(x) x^3 - 3 f(x) x^2 - 2 f(x) x + 24 x^2 + f(x) - 7 x - 13)$$

Sequence: A204707
Score: 5.75125
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 3 a(n + 1) + 4 a(n), a(0) = 13, a(1) = 33, a(2) = 81\}$$

Sequence: A204707
Score: 9.97480
Type of gen. func.: lgdogf

$$- \frac{96 x^4 - 56 x^3 - 87 x^2 + 30 x + 33}{(x - 1) (4 x^2 + x - 1) (24 x^2 - 7 x - 13)}$$

Sequence: A204708
Score: 4.96662
Type of gen. func.: ogf

$$-(7165 f(x) + 121428) (4 f(x) x^3 - 2 f(x) x^2 - 3 f(x) x + 36 x^2 + f(x) - 6 x - 25)$$

Sequence: A204708
Score: 5.35196
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + 2 a(n + 1) - 4 a(n), a(0) = 25, a(1) = 81, a(2) = 257\}$$

Sequence: A204708
Score: 8.81573
Type of gen. func.: lgdogf

$$- \frac{144 x^4 - 48 x^3 - 180 x^2 + 28 x + 81}{(x - 1) (4 x^2 + 2 x - 1) (36 x^2 - 6 x - 25)}$$

Sequence: A204708
Score: 9.85440
Type of gen. func.: ogf

$$- \frac{36 x^2 - 6 x - 25}{(x - 1) (4 x^2 + 2 x - 1)}$$

Sequence: A204709
Score: 3.79129
Type of gen. func.: ogf

$$(5159637 f(x) - 142227832) (16 f(x) x^4 - 3 f(x) x^3 - 13 f(x) x^2 + 224 x^3 - f(x) x + 13 x^2 + f(x) - 160 x - 49)$$

Sequence: A204709
Score: 7.09194
Type of gen. func.: ogf

$$-\frac{224 x^3 + 13 x^2 - 160 x - 49}{(x - 1) (16 x^3 + 13 x^2 - 1)}$$

Sequence: A204710
Score: 5.28348
Type of gen. func.: ogf

$$-\frac{1576 x^4 - 860 x^3 - 882 x^2 + 141 x + 97}{(x - 1) (2 x + 1) (36 x^3 - 8 x^2 - 5 x + 1)}$$

Sequence: A204716
Score: 5.73187
Type of gen. func.: ogf

$$-\frac{8 x^5 - 18 x^4 - 21 x^3 + 32 x^2 + 13 x - 16}{(x - 1) (2 x - 1) (x^2 - 3 x + 1) (x + 1)^2}$$

Sequence: A204734
Score: 6.78217
Type of gen. func.: lgdogf

$$-\frac{80 x^6 - 240 x^5 + 154 x^4 + 146 x^3 - 167 x^2 - 28 x + 43}{(x - 1) (4 x^2 + x - 1) (20 x^4 - 50 x^3 + 27 x^2 + 17 x - 15)}$$

Sequence: A204734
Score: 6.84530
Type of gen. func.: ogf

$$20 x^4 - 50 x^3 + 27 x^2 + 17 x - 15$$

$$-\frac{}{(4 x^2 + x - 1) (x - 1)^3}$$

Sequence: A204746
Score: 2.92781
Type of gen. func.: ogf

$$-(12399 f(x) + 213328) (f(x) x^3 - 30 x^4 - 28 x^3 - 2 f(x) x + 70 x^2 + f(x) + 34 x - 40)$$

Sequence: A204746
Score: 5.02476
Type of gen. func.: ogf

$$\frac{2 (15 x^4 + 14 x^3 - 35 x^2 - 17 x + 20)}{(x^2 + x - 1) (x - 1)}$$

Sequence: A204748
Score: 6.06886
Type of gen. func.: ogf

$$\frac{8 x^7 + 32 x^6 + 59 x^5 - 6 x^4 - 110 x^3 - 76 x^2 - 15 x + 61}{(x - 1) (x^2 + x + 1) (x^2 + x - 1)}$$

Sequence: A204749
Score: 5.44077
Type of gen. func.: ogf

$$\{-a(n + 5) + 2 a(n + 4) - a(n + 2), a(0) = 102, a(1) = 31, a(2) = 22, a(3) = 27, a(4) = 35\}$$

Sequence: A204749
Score: 5.61078
Type of gen. func.: ogf

$$(388067 f(x) - 27701507)$$

$$(f(x) x^{3} - 12 x^{4} - 85 x^{3} - 2 f(x) x + 40 x^{2} + f(x) + 173 x - 102)$$

Sequence: A204749
Score: 8.18557
Type of gen. func.: lgdogf

$$\frac{12 x^{6} - 32 x^{4} + 54 x^{3} + 29 x^{2} - 80 x + 31}{(x - 1) (x^{2} + x - 1) (12 x^{4} + 85 x^{3} - 40 x^{2} - 173 x + 102)}$$

Sequence: A204749
Score: 9.44975
Type of gen. func.: ogf

$$\frac{12 x^{4} + 85 x^{3} - 40 x^{2} - 173 x + 102}{(x^{2} + x - 1) (x - 1)}$$

Sequence: A204750
Score: 5.44077
Type of gen. func.: ogf

{-a(n + 5) + 2 a(n + 4) - a(n + 2), a(0) = 188, a(1) = 28, a(2) = 27, a(3) = 32,

a(4) = 40}

Sequence: A204750
Score: 5.61078
Type of gen. func.: ogf

$$(317335 f(x) - 53070666)$$

$$(f(x) x^{3} - 4 x^{4} - 166 x^{3} - 2 f(x) x + 29 x^{2} + f(x) + 348 x - 188)$$

Sequence: A204750
Score: 8.48144
Type of gen. func.: lgdogf

6 4 3 2

$$\frac{4 x + 5 x + 48 x - 8 x - 58 x + 28}{(x - 1) (x^2 + x - 1) (4 x^4 + 166 x^3 - 29 x^2 - 348 x + 188)}$$

Sequence: A204750
Score: 9.44975
Type of gen. func.: ogf

$$\frac{4 x^4 + 166 x^3 - 29 x^2 - 348 x + 188}{(x^2 + x - 1) (x - 1)}$$

Sequence: A204751
Score: 5.44077
Type of gen. func.: ogf

$\{-a(n + 5) + 2 a(n + 4) - a(n + 2), a(0) = 342, a(1) = 38, a(2) = 35, a(3) = 40,$

$a(4) = 48\}$

Sequence: A204751
Score: 5.61078
Type of gen. func.: ogf

$(160303 f(x) - 50183776)$

$(f(x) x^3 - 6 x^4 - 312 x^3 - 2 f(x) x + 41 x^2 + f(x) + 646 x - 342)$

Sequence: A204751
Score: 8.48144
Type of gen. func.: lgdogf

$$\frac{6 x^6 + 5 x^4 + 68 x^3 - 8 x^2 - 82 x + 38}{(x - 1) (x^2 + x - 1) (6 x^4 + 312 x^3 - 41 x^2 - 646 x + 342)}$$

Sequence: A204751
Score: 9.44975
Type of gen. func.: ogf

```
                         4        3       2
                      6 x  + 312 x  - 41 x  - 646 x + 342
                      -----------------------------------
                               2
                             (x  + x - 1) (x - 1)
```

Sequence: A204752
Score: 5.61078
Type of gen. func.: ogf

```
(87901 f(x) - 48896286)

           3      4        3                   2
    (f(x) x  - 4 x  - 547 x  - 2 f(x) x + 50 x  + f(x) + 1131 x - 590)
```

Sequence: A204752
Score: 8.09149
Type of gen. func.: lgdogf

```
                      6       4       3       2
                   4 x  + 26 x  + 90 x  - 29 x  - 100 x + 49
          ------------------------------------------------------------
                    2              4        3       2
          (x - 1) (x  + x - 1) (4 x  + 547 x  - 50 x  - 1131 x + 590)
```

Sequence: A204752
Score: 9.32703
Type of gen. func.: ogf

```
                         4        3       2
                      4 x  + 547 x  - 50 x  - 1131 x + 590
                      ------------------------------------
                                2
                              (x  + x - 1) (x - 1)
```

Sequence: A204753
Score: 5.53657
Type of gen. func.: ogf

```
(654155 f(x) - 656963017)

           3      4        3                   2
    (f(x) x  - 4 x  - 987 x  - 2 f(x) x + 71 x  + f(x) + 2032 x - 1051)
```

Sequence: A204753
Score: 7.98955
Type of gen. func.: lgdogf

$$\frac{4x^{6}+47x^{4}+132x^{3}-50x^{2}-142x+70}{(x-1)(x^{2}+x-1)(4x^{4}+987x^{3}-71x^{2}-2032x+1051)}$$

Sequence: A204753
Score: 9.29860
Type of gen. func.: ogf

$$\frac{4x^{4}+987x^{3}-71x^{2}-2032x+1051}{(x^{2}+x-1)(x-1)}$$

Sequence: A204765
Score: 6.65190
Type of gen. func.: ogf

$$\frac{x(119x^{5}+x^{4}+119x^{3}-497x^{2}-3x-217)}{(x-1)(x^{6}-6x^{3}+1)}$$

Sequence: A204766
Score: 10.0733
Type of gen. func.: ogf

$$\frac{13x^{2}+141x+13}{(x+1)(x-1)^{2}}$$

Sequence: A204766
Score: 5.3233
Type of gen. func.: ogf

$$(2848f(x)+499445)(f(x)x^{3}-f(x)x^{2}-f(x)x-13x^{2}+f(x)-141x-13)$$

Sequence: A204766
Score: 5.59629

Type of gen. func.: ogf

```
   {a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 13, a(1) = 154, a(2) = 180}
```

Sequence: A204766
Score: 7.70313
Type of gen. func.: lgdogf

```
                                 3        2
                            -13 x  - 295 x  - 206 x - 154
                          - -----------------------------
                                 4        3
                            -13 x  - 141 x  + 141 x + 13
```

Sequence: A204769
Score: 10.1739
Type of gen. func.: ogf

```
                                     2
                                 46 x  + 59 x + 46
                                 -----------------
                                                 2
                                 (x + 1) (x - 1)
```

Sequence: A204769
Score: 5.33711
Type of gen. func.: ogf

```
                                3         2                2
  (1625 f(x) - 254001) (f(x) x  - f(x) x  - f(x) x - 46 x  + f(x) - 59 x - 46)
```

Sequence: A204769
Score: 5.56521
Type of gen. func.: ogf

```
   {a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 46, a(1) = 105, a(2) = 197}
```

Sequence: A204769
Score: 7.84493
Type of gen. func.: lgdogf

```
                                 3        2
                             46 x  + 164 x  + 289 x + 105
                           - ----------------------------
                                  4       3
```

$$46 x + 59 x - 59 x - 46$$

Sequence: A204770
Score: 12.5041
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^3 + x^2 - 1}{x^4 - x^3 + x - 1}$$

Sequence: A204775
Score: 3.19986
Type of gen. func.: ogf

$$-(141976042 f(x) + 11679645285) (196 f(x) x^4 - 308 f(x) x^3 + 23814 x^3 + 22 f(x) x - 36288 x^2 - f(x) - 1728 x + 2592)$$

Sequence: A204775
Score: 5.81793
Type of gen. func.: ogf

$$-\frac{54 (441 x^3 - 672 x^2 - 32 x + 48)}{(14 x^2 - 1) (14 x^2 - 22 x + 1)}$$

Sequence: A204794
Score: 5.07420
Type of gen. func.: ogf

$$\frac{104 x^7 + 65 x^6 - 206 x^5 - 233 x^4 - 31 x^3 + 204 x^2 + 42 x - 47}{(x - 1) (2 x - 1) (6 x^2 + 3 x - 1)}$$

Sequence: A204843
Score: 3.31338
Type of gen. func.: ogf_with_Euler_transform]

$$-(x^{23}-x^{22}+x^{21}-x^{19}+x^{18}-x^{17}+x^{16}-x^{12}+2x^{11}-x^{10}+x^{6}-x^{5}+x^{4}-x^{3}+x-1)\Big/(-x^{24}+1)$$

Sequence: A204853
Score: 3.23449
Type of gen. func.: ogf_with_Euler_transform]

$$-(x^{23}+x^{22}-x^{19}-x^{18}-x^{17}-x^{16}+x^{13}+x^{12}+2x^{11}+x^{10}+x^{9}-x^{6}-x^{5}-x^{4}-x^{3}+1)\Big/(-x^{24}+1)$$

Sequence: A204877
Score: 11.6593
Type of gen. func.: ogf

$$\frac{x(9x^{3}+3x^{2}+27x+1)}{(x-1)^{2}(x+1)^{2}}$$

Sequence: A204877
Score: 12.7614
Type of gen. func.: lgdogf

$$-\frac{9x^{4}+6x^{3}+108x^{2}+10x+27}{(x-1)(x+1)(9x^{3}+3x^{2}+27x+1)}$$

Sequence: A204877
Score: 7.35269
Type of gen. func.: ogf

$$(144f(x)+1619)(f(x)x^{4}-9x^{4}-2f(x)x^{2}-3x^{3}-27x^{2}+f(x)-x)$$

Sequence: A204879
Score: 6.58930

Type of gen. func.: ogf

$$-\frac{2\,(x^{13} - x^{12} + x^{11} - x^{10} + x^{9} - x^{8} + x^{7} - x^{6} + x^{5} + x^{4} - 3)}{(x - 1)^{2}}$$

Sequence: A204904
Score: 11.5955
Type of gen. func.: lgdogf

$$-\frac{2\,x^{3} + 3\,x^{2} + 6\,x + 1}{x^{4} + x^{3} - x - 1}$$

Sequence: A204904
Score: 14.6470
Type of gen. func.: ogf

$$\frac{2\,(x^{2} + x + 1)}{(x - 1)^{2}\,(x + 1)^{2}}$$

Sequence: A204904
Score: 19.4805
Type of gen. func.: lgdogf

$$-\frac{2\,x^{3} + 3\,x^{2} + 6\,x + 1}{(x - 1)\,(x + 1)\,(x^{2} + x + 1)}$$

Sequence: A204904
Score: 33.2710
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{2} + 2\,x + 1$$

Sequence: A204904

Score: 7.19722
Type of gen. func.: ogf

$$\{(n + 4) a(n + 1) + (-2 - n) a(n + 3), a(0) = 2, a(1) = 2, a(2) = 6\}$$

Sequence: A204904
Score: 8.60698
Type of gen. func.: ogf

$$-(7 f(x) + 9) (f(x) x^{4} - 2 f(x) x^{2} - 2 x^{2} + f(x) - 2 x - 2)$$

Sequence: A205064
Score: 6.47393
Type of gen. func.: ogf

$$- \frac{8 (x + 1) (8 x^{5} - 8 x^{4} + 13 x^{3} + 4 x^{2} - 6 x - 2)}{(2 x - 1)^{2} (2 x + 1)^{2}}$$

Sequence: A205065
Score: 4.31536
Type of gen. func.: ogf

$$\frac{2 (x^{9} - 4 x^{8} + 11 x^{7} + 4 x^{6} - 9 x^{5} + 7 x^{4} + 3 x^{3} + 9 x^{2} + 20 x + 8)}{2 x^{9} - 4 x^{8} + 3 x^{6} - 4 x^{5} - 2 x^{3} - 5 x^{2} + 1}$$

Sequence: A205084
Score: 13.8809
Type of gen. func.: ogf

$$\frac{20 x + 11}{(10 x - 1) (x - 1)}$$

Sequence: A205084
Score: 14.5302
Type of gen. func.: lgdogf

2

$$-\frac{200 x + 220 x - 141}{(20 x + 11) (x - 1) (10 x - 1)}$$

Sequence: A205084
Score: 7.15964
Type of gen. func.: ogf

$$(1331 f(x) + 5240) (10 f(x) x^2 - 11 f(x) x + f(x) - 20 x - 11)$$

Sequence: A205084
Score: 7.81800
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 11, a(1) = 141\}$$

Sequence: A205084
Score: 8.83332
Type of gen. func.: lgdogf

$$-\frac{200 x^2 + 220 x - 141}{200 x^3 - 110 x^2 - 101 x + 11}$$

Sequence: A205085
Score: 13.8809
Type of gen. func.: ogf

$$\frac{30 x + 11}{(10 x - 1) (x - 1)}$$

Sequence: A205085
Score: 14.5302
Type of gen. func.: lgdogf

$$-\frac{300 x^2 + 220 x - 151}{(30 x + 11) (x - 1) (10 x - 1)}$$

Sequence: A205085
Score: 7.15964
Type of gen. func.: ogf

$$(1441 f(x) + 6950) (10 f(x) x^2 - 11 f(x) x + f(x) - 30 x - 11)$$

Sequence: A205085
Score: 7.81800
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 11, a(1) = 151\}$$

Sequence: A205085
Score: 8.94955
Type of gen. func.: lgdogf

$$-\frac{300 x^2 + 220 x - 151}{300 x^3 - 220 x^2 - 91 x + 11}$$

Sequence: A205086
Score: 13.8809
Type of gen. func.: ogf

$$\frac{40 x + 11}{(10 x - 1) (x - 1)}$$

Sequence: A205086
Score: 14.5302
Type of gen. func.: lgdogf

$$-\frac{400 x^2 + 220 x - 161}{(40 x + 11) (x - 1) (10 x - 1)}$$

Sequence: A205086
Score: 7.15964
Type of gen. func.: ogf

$$(1551 f(x) + 8860) (10 f(x) x^2 - 11 f(x) x + f(x) - 40 x - 11)$$

Sequence: A205086
Score: 7.81800
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 11, a(1) = 161\}$$

Sequence: A205086
Score: 8.94955
Type of gen. func.: lgdogf

$$- \frac{400 x^2 + 220 x - 161}{400 x^3 - 330 x^2 - 81 x + 11}$$

Sequence: A205087
Score: 13.8809
Type of gen. func.: ogf

$$\frac{50 x + 11}{(10 x - 1) (x - 1)}$$

Sequence: A205087
Score: 14.5302
Type of gen. func.: lgdogf

$$- \frac{500 x^2 + 220 x - 171}{(50 x + 11) (x - 1) (10 x - 1)}$$

Sequence: A205087
Score: 7.08506
Type of gen. func.: ogf

$$(1661 f(x) + 10970) (10 f(x) x^2 - 11 f(x) x + f(x) - 50 x - 11)$$

Sequence: A205087
Score: 7.81800
Type of gen. func.: ogf

$$\{-a(n+2) + 11\, a(n+1) - 10\, a(n),\ a(0) = 11,\ a(1) = 171\}$$

Sequence: A205087
Score: 8.94955
Type of gen. func.: lgdogf

$$-\frac{500 x^2 + 220 x - 171}{500 x^3 - 440 x^2 - 71 x + 11}$$

Sequence: A205088
Score: 13.8809
Type of gen. func.: ogf

$$\frac{60 x + 11}{(10 x - 1)(x - 1)}$$

Sequence: A205088
Score: 14.5302
Type of gen. func.: lgdogf

$$-\frac{600 x^2 + 220 x - 181}{(60 x + 11)(x - 1)(10 x - 1)}$$

Sequence: A205088
Score: 7.08506
Type of gen. func.: ogf

$$(1771 f(x) + 13280)(10 f(x) x^2 - 11 f(x) x + f(x) - 60 x - 11)$$

Sequence: A205088
Score: 7.81800
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 11, a(1) = 181\}$$

Sequence: A205088
Score: 8.94955
Type of gen. func.: lgdogf

$$-\frac{-600 x^2 - 220 x + 181}{-600 x^3 + 550 x^2 + 61 x - 11}$$

Sequence: A205163
Score: 10.2416
Type of gen. func.: lgdogf

$$-\frac{3 (1125 x^2 - 390 x + 53)}{(-1 + 15 x) (3 x - 1) (75 x - 13)}$$

Sequence: A205163
Score: 10.4679
Type of gen. func.: ogf

$$-\frac{75 x - 13}{(-1 + 15 x) (3 x - 1)}$$

Sequence: A205163
Score: 5.28793
Type of gen. func.: ogf

$$-(188 f(x) + 365) (45 f(x) x^2 - 18 f(x) x + f(x) + 75 x - 13)$$

Sequence: A205163
Score: 5.89574
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1) + 45 a(n), a(0) = 13, a(1) = 159\}$$

Sequence: A205163
Score: 6.33246
Type of gen. func.: lgdogf

$$-\frac{-3375 x^2 + 1170 x - 159}{-3375 x^3 + 1935 x^2 - 309 x + 13}$$

Sequence: A205164
Score: 5.15748
Type of gen. func.: ogf

$$-\frac{392 x^3 - 1466 x^2 + 1379 x - 159}{(2 x^2 - 5 x + 1) (42 x^2 - 57 x + 1)}$$

Sequence: A205183
Score: 11.7477
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^4 - 2 x^3 - x^2 - x - 2}{-x^5 + 1}$$

Sequence: A205184
Score: 7.42391
Type of gen. func.: ogf

$$-\frac{9 x^7 + x^6 - x^5 + 3 x^4 + x^3 + 3 x^2 + 8 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^4 - x^2 + 1)}$$

Sequence: A205185
Score: 11.7184
Type of gen. func.: lgdogf

$$-\frac{2 (x^5 + 10 x^4 - 5 x^3 - 2 x^2 + x + 4)}{(x - 1) (x + 1) (x^2 + 7 x + 1) (x^2 - x + 1)}$$

Sequence: A205185
Score: 11.7566
Type of gen. func.: ogf

$$-\frac{x^2 + 7 x + 1}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A205185
Score: 5.92686
Type of gen. func.: ogf

$$-(739 f(x) + 47520) (f(x) x^4 - f(x) x^3 + f(x) x + x^2 - f(x) + 7 x + 1)$$

Sequence: A205186
Score: 4.98226
Type of gen. func.: ogf

$$-(1032 f(x) - 2441) (16 f(x) x^4 - 8 f(x) x^2 + 64 x^3 + 4 x^2 + f(x) - 40 x - 16)$$

Sequence: A205186
Score: 8.23655
Type of gen. func.: lgdogf

$$-\frac{2 (32 x^4 + 4 x^3 - 36 x^2 - 31 x - 5)}{(2 x + 1) (2 x - 1) (16 x^3 + x^2 - 10 x - 4)}$$

Sequence: A205186
Score: 8.30378
Type of gen. func.: ogf

$$-\frac{4 (16 x^3 + x^2 - 10 x - 4)}{(2 x - 1)^2 (2 x + 1)^2}$$

Sequence: A205187
Score: 10.2982
Type of gen. func.: ogf

$$(7 f(x) - 76) (3 f(x) x^2 - f(x) + 24 x + 16)$$

Sequence: A205187
Score: 10.9223
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n), a(0) = 16, a(1) = 24\}$$

Sequence: A205187
Score: 11.0904
Type of gen. func.: lgdogf

$$-\frac{9 x^2 + 12 x + 3}{9 x^3 + 6 x^2 - 3 x - 2}$$

Sequence: A205187
Score: 16.7645
Type of gen. func.: ogf

$$-\frac{8 (3 x + 2)}{3 x^2 - 1}$$

Sequence: A205187
Score: 20.7944
Type of gen. func.: lgdogf

$$-\frac{3 (x + 1) (3 x + 1)}{(3 x + 2) (3 x^2 - 1)}$$

Sequence: A205188
Score: 5.96126

Type of gen. func.: ogf

$$(42067 f(x) + 378956)$$

$$(f(x) x^4 - 4 x^4 + 2 f(x) x^2 + 32 x^3 + 28 x^2 - f(x) + 64 x + 48)$$

Sequence: A205188
Score: 8.59383
Type of gen. func.: lgdogf

$$\frac{2 (4 x^6 + 9 x^5 + 16 x^4 + 22 x^3 + 28 x^2 + 31 x + 8)}{(x^4 - 8 x^3 - 7 x^2 - 16 x - 12) (x^4 + 2 x^2 - 1)}$$

Sequence: A205188
Score: 9.44512
Type of gen. func.: ogf

$$\frac{4 (x^4 - 8 x^3 - 7 x^2 - 16 x - 12)}{x^4 + 2 x^2 - 1}$$

Sequence: A205189
Score: 8.21091
Type of gen. func.: ogf

$$\frac{8 (x^5 - 8 x^3 + 2 x^2 - 4 x - 9)}{x^4 - x^3 + x^2 + x - 1}$$

Sequence: A205189
Score: 8.43276
Type of gen. func.: lgdogf

$$\frac{x^8 - 2 x^7 + 11 x^6 + x^4 + 12 x^3 + 3 x^2 + 14 x + 13}{(x^4 - x^3 + x^2 + x - 1) (x^5 - 8 x^3 + 2 x^2 - 4 x - 9)}$$

Sequence: A205190
Score: 6.36544
Type of gen. func.: ogf

$$\frac{4 (9 x^8 + 10 x^7 + 12 x^6 - 32 x^5 - 38 x^4 - 12 x^3 - x^2 - 42 x - 36)}{x^6 + 2 x^2 - 1}$$

Sequence: A205191
Score: 4.66629
Type of gen. func.: ogf

$$\frac{8 (8 x^9 + 8 x^8 + 10 x^7 + x^6 - 33 x^5 + x^4 - 17 x^3 + 13 x^2 - 7 x - 27)}{(x^3 - x^2 + 1) (x^3 + x - 1)}$$

Sequence: A205192
Score: 4.43195
Type of gen. func.: ogf

$$4 (56 x^{12} + 88 x^{11} + 161 x^{10} + 110 x^9 + 92 x^8 - 128 x^7 - 192 x^6 - 80 x^5 - 38 x^4 + 4 x^3 + 39 x^2 - 110 x - 108) \Big/ (x^8 + 2 x^2 - 1)$$

Sequence: A205219
Score: 10.2268
Type of gen. func.: lgdogf

$$- \frac{-12 x^2 - 16 x - 5}{-12 x^3 - 11 x^2 + x + 2}$$

Sequence: A205219
Score: 15.1179
Type of gen. func.: ogf

$$- \frac{4 (3 x + 2)}{4 x^2 + x - 1}$$

Sequence: A205219
Score: 18.9511
Type of gen. func.: lgdogf

$$-\frac{(6x+5)(2x+1)}{(3x+2)(4x^2+x-1)}$$

Sequence: A205219
Score: 7.55893
Type of gen. func.: ogf

$$-(21 f(x) - 68) (4 f(x) x^2 + f(x) x - f(x) + 12 x + 8)$$

Sequence: A205219
Score: 8.37858
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 4 a(n), a(0) = 8, a(1) = 20\}$$

Sequence: A205220
Score: 14.4881
Type of gen. func.: ogf

$$-\frac{4(8x+5)}{4x^2+x-1}$$

Sequence: A205220
Score: 18.0516
Type of gen. func.: lgdogf

$$-\frac{32x^2+40x+13}{(8x+5)(4x^2+x-1)}$$

Sequence: A205220
Score: 7.56602
Type of gen. func.: ogf

$$(53 f(x) - 384) (4 f(x) x^2 + f(x) x - f(x) + 32 x + 20)$$

Sequence: A205220
Score: 8.10646
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - 4 a(n), a(0) = 20, a(1) = 52\}$$

Sequence: A205220
Score: 9.86874
Type of gen. func.: lgdogf

$$- \frac{-32 x^2 - 40 x - 13}{-32 x^3 - 28 x^2 + 3 x + 5}$$

Sequence: A205221
Score: 3.79903
Type of gen. func.: ogf

$$4 (16 x^8 - 52 x^7 - 284 x^6 + 237 x^5 + 302 x^4 - 129 x^3 - 107 x^2 + 20 x + 13) / (8 x^8 + 48 x^7 - 64 x^6 - 40 x^5 + 47 x^4 + 11 x^3 - 12 x^2 - x + 1)$$

Sequence: A205248
Score: 10.1371
Type of gen. func.: lgdogf

$$- \frac{-9 x^2 + 12 x - 5}{-9 x^3 + 18 x^2 - 11 x + 2}$$

Sequence: A205248
Score: 14.4507

Type of gen. func.: ogf

$$-\frac{8\,(3x-2)}{(3x-1)\,(x-1)}$$

Sequence: A205248
Score: 18.0083
Type of gen. func.: lgdogf

$$-\frac{9x^2-12x+5}{(x-1)\,(3x-1)\,(3x-2)}$$

Sequence: A205248
Score: 7.14929
Type of gen. func.: ogf

$$-(121 f(x) + 564)\,(3 f(x) x^2 - 4 f(x) x + f(x) + 24 x - 16)$$

Sequence: A205248
Score: 8.08552
Type of gen. func.: ogf

$$\{a(n+2) - 4\,a(n+1) + 3\,a(n),\ a(0) = 16,\ a(1) = 40\}$$

Sequence: A205249
Score: 4.93836
Type of gen. func.: ogf

$$-(39127 f(x) + 275208)\,(2 f(x) x^3 - 7 f(x) x^2 + 6 f(x) x + 24 x^2 - f(x) - 72 x + 40)$$

Sequence: A205249
Score: 5.36044
Type of gen. func.: ogf

$$\{-a(n+3) + 6\,a(n+2) - 7\,a(n+1) + 2\,a(n),\ a(0) = 40,\ a(1) = 168,\ a(2) = 752\}$$

Sequence: A205249
Score: 9.60927
Type of gen. func.: lgdogf

$$-\frac{6 x^{4} - 36 x^{3} + 75 x^{2} - 64 x + 21}{(x - 1) (2 x^{2} - 5 x + 1) (3 x^{2} - 9 x + 5)}$$

Sequence: A205249
Score: 9.79955
Type of gen. func.: ogf

$$-\frac{8 (3 x^{2} - 9 x + 5)}{(2 x^{2} - 5 x + 1) (x - 1)}$$

Sequence: A205250
Score: 3.45781
Type of gen. func.: ogf

$$(30695437 f(x) + 521730520) (6 f(x) x^{4} - 21 f(x) x^{3} + 24 f(x) x^{2} + 120 x^{3}$$
$$- 10 f(x) x - 380 x^{2} + f(x) + 368 x - 112)$$

Sequence: A205250
Score: 6.40480
Type of gen. func.: ogf

$$-\frac{4 (3 x - 2) (10 x^{2} - 25 x + 14)}{(x - 1) (6 x^{3} - 15 x^{2} + 9 x - 1)}$$

Sequence: A205251
Score: 3.92783
Type of gen. func.: ogf

$$8 (36 x^{5} - 244 x^{4} + 580 x^{3} - 600 x^{2} + 270 x - 41)$$

$$-\frac{}{(x - 1) (8 x^5 - 48 x^4 + 92 x^3 - 65 x^2 + 16 x - 1)}$$

Sequence: A205257
Score: 4.11779
Type of gen. func.: ogf

$$-\frac{2 (256 x^6 + 352 x^5 - 180 x^4 - 565 x^3 - 582 x^2 - 187 x - 120)}{16 x^7 + 20 x^6 - 14 x^5 - 34 x^4 - 32 x^3 - 7 x^2 - 6 x + 1}$$

Sequence: A205295
Score: 2.51841
Type of gen. func.: ogf

$$(f(x) - 1)^2$$

Sequence: A205312
Score: 4.77055
Type of gen. func.: ogf

$$-(39127 f(x) + 137604)$$

$$(2 f(x) x^3 - 7 f(x) x^2 + 6 f(x) x + 12 x^2 - f(x) - 36 x + 20)$$

Sequence: A205312
Score: 5.22292
Type of gen. func.: ogf

$\{-a(n + 3) + 6 a(n + 2) - 7 a(n + 1) + 2 a(n), a(0) = 20, a(1) = 84, a(2) = 376$

$\}$

Sequence: A205312
Score: 9.27627
Type of gen. func.: lgdogf

$$-\frac{6 x^4 - 36 x^3 + 75 x^2 - 64 x + 21}{\qquad {}^2 \qquad\qquad {}^2}$$

$$(x - 1) (2 x - 5 x + 1) (3 x - 9 x + 5)$$

Sequence: A205312
Score: 9.46655
Type of gen. func.: ogf

$$-\frac{4 (3 x^2 - 9 x + 5)}{(2 x^2 - 5 x + 1) (x - 1)}$$

Sequence: A205313
Score: 3.82228
Type of gen. func.: ogf

$$(30695437 f(x) + 260865260) (6 f(x) x^4 - 21 f(x) x^3 + 24 f(x) x^2 + 60 x^3 - 10 f(x) x - 190 x^2 + f(x) + 184 x - 56)$$

Sequence: A205313
Score: 7.15567
Type of gen. func.: ogf

$$-\frac{2 (3 x - 2) (10 x^2 - 25 x + 14)}{(x - 1) (6 x^3 - 15 x^2 + 9 x - 1)}$$

Sequence: A205314
Score: 3.95782
Type of gen. func.: ogf

$$-\frac{4 (36 x^5 - 244 x^4 + 580 x^3 - 600 x^2 + 270 x - 41)}{(x - 1) (8 x^5 - 48 x^4 + 92 x^3 - 65 x^2 + 16 x - 1)}$$

Sequence: A205328
Score: 10.6757
Type of gen. func.: ogf

$$\frac{2\,(2x^2 - 8x - 7)}{8x^2 + 4x - 1}$$

Sequence: A205328
Score: 13.0723
Type of gen. func.: lgdogf

$$\frac{36\,(x + 1)\,(2x + 1)}{(8x^2 + 4x - 1)\,(2x^2 - 8x - 7)}$$

Sequence: A205328
Score: 5.53927
Type of gen. func.: ogf

$$\{-a(n + 3) + 4\,a(n + 2) + 8\,a(n + 1),\ a(0) = 14,\ a(1) = 72,\ a(2) = 396\}$$

Sequence: A205328
Score: 5.99146
Type of gen. func.: ogf

$$(51\,f(x) - 202)\,(8\,f(x)\,x^2 + 4\,f(x)\,x - 4x^2 - f(x) + 16x + 14)$$

Sequence: A205328
Score: 7.33954
Type of gen. func.: lgdogf

$$-\frac{72x^2 + 108x + 36}{-16x^4 + 56x^3 + 90x^2 + 20x - 7}$$

Sequence: A205329
Score: 11.9154
Type of gen. func.: ogf

$$-\frac{18\,(9x + 4)}{18x^2 + 6x - 1}$$

Sequence: A205329
Score: 13.6260
Type of gen. func.: lgdogf

$$-\frac{3(54x^2+48x+11)}{(9x+4)(18x^2+6x-1)}$$

Sequence: A205329
Score: 5.83855
Type of gen. func.: ogf

$$-(2284 f(x) - 32679)(18 f(x) x^2 + 6 f(x) x - f(x) + 162 x + 72)$$

Sequence: A205329
Score: 6.78901
Type of gen. func.: ogf

$$\{a(n+2) - 6a(n+1) - 18a(n), a(0) = 72, a(1) = 594\}$$

Sequence: A205329
Score: 7.88993
Type of gen. func.: lgdogf

$$-\frac{-162x^2-144x-33}{-162x^3-126x^2-15x+4}$$

Sequence: A205342
Score: 11.6251
Type of gen. func.: ogf

$$\frac{3x^2+3x+2}{(x-1)^4}$$

Sequence: A205342
Score: 13.8298
Type of gen. func.: lgdogf

$$-\frac{-6 x^2 - 15 x - 11}{-3 x^3 + x + 2}$$

Sequence: A205342
Score: 21.8688
Type of gen. func.: lgdogf

$$-\frac{6 x^2 + 15 x + 11}{(x - 1) (3 x^2 + 3 x + 2)}$$

Sequence: A205342
Score: 4.35941
Type of gen. func.: ogf

$$\{(-2 n - 8) a(n + 4) + (8 - n) a(n + 3) + 15 a(n + 2) + (9 + 3 n) a(n + 1),$$

$$a(0) = 2, a(1) = 11, a(2) = 35, a(3) = 82\}$$

Sequence: A205342
Score: 5.64881
Type of gen. func.: ogf

$$(4024320 f(x) + 13045901)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 3 x^2 + f(x) - 3 x - 2)$$

Sequence: A205343
Score: 10.9592
Type of gen. func.: lgdogf

$$-\frac{-6 x^2 - 40 x - 69}{-2 x^3 - 7 x^2 - 3 x + 12}$$

Sequence: A205343
Score: 19.5616
Type of gen. func.: lgdogf

$$-\frac{6 x^2 + 40 x + 69}{(x - 1) (2 x^2 + 9 x + 12)}$$

Sequence: A205343
Score: 3.59935
Type of gen. func.: ogf

$$\{(-36 - 12 n) a(n + 4) + (75 + 3 n) a(n + 3) + (47 + 7 n) a(n + 2) + (6 + 2 n) a(n + 1), a(0) = 0, a(1) = 24, a(2) = 138, a(3) = 454\}$$

Sequence: A205343
Score: 8.63844
Type of gen. func.: ogf

$$-\frac{2 x (2 x^2 + 9 x + 12)}{(x - 1)^5}$$

Sequence: A205344
Score: 6.29416
Type of gen. func.: ogf

$$\frac{5 x^4 + 73 x^3 + 206 x^2 + 63 x + 5}{(x - 1)^6}$$

Sequence: A205344
Score: 9.38648
Type of gen. func.: lgdogf

$$-\frac{10 x^4 + 239 x^3 + 1043 x^2 + 727 x + 93}{(x - 1) (5 x^4 + 73 x^3 + 206 x^2 + 63 x + 5)}$$

Sequence: A205345
Score: 5.24652
Type of gen. func.: ogf

$$-\frac{2 x (3 x^4 + 129 x^3 + 730 x^2 + 684 x + 136)}{(x - 1)^7}$$

Sequence: A205345
Score: 8.52794
Type of gen. func.: lgdogf

$$-\frac{9 x^4 + 528 x^3 + 4037 x^2 + 5564 x + 1636}{(x - 1) (3 x^4 + 129 x^3 + 730 x^2 + 684 x + 136)}$$

Sequence: A205347
Score: 3.03023
Type of gen. func.: ogf

$$(3024 x^8 - 26664 x^7 - 19371 x^6 + 4022 x^5 + 5023 x^4 + 1416 x^3 + 11 x^2 - 110 x - 15) / ((3 x^2 - 1) (3024 x^6 + 552 x^5 - 423 x^4 - 248 x^3 - 66 x^2 + 1))$$

Sequence: A205354
Score: 13.0876
Type of gen. func.: ogf

$$-\frac{2 (-7 + 10 x)}{(-1 + 4 x) (x - 1)}$$

Sequence: A205354
Score: 15.0688
Type of gen. func.: lgdogf

$$40 x^2 - 56 x + 25$$

$$- \frac{}{(x - 1) (-1 + 4 x) (-7 + 10 x)}$$

Sequence: A205354
Score: 6.5438
Type of gen. func.: ogf

$$-(69 f(x) + 284) (4 f(x) x^{2} - 5 f(x) x + f(x) + 20 x - 14)$$

Sequence: A205354
Score: 7.32282
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 4 a(n), a(0) = 14, a(1) = 50\}$$

Sequence: A205354
Score: 8.78739
Type of gen. func.: lgdogf

$$- \frac{-40 x^{2} + 56 x - 25}{-40 x^{3} + 78 x^{2} - 45 x + 7}$$

Sequence: A205355
Score: 3.42335
Type of gen. func.: ogf

$$(92160485 f(x) + 3335038221) (84 f(x) x^{4} - 146 f(x) x^{3} + 76 f(x) x^{2} + 882 x^{3} - 15 f(x) x - 1237 x^{2} + f(x) + 475 x - 50)$$

Sequence: A205355
Score: 6.31419
Type of gen. func.: ogf

$$- \frac{882 x^{3} - 1237 x^{2} + 475 x - 50}{(x - 1) (6 x - 1) (14 x^{2} - 8 x + 1)}$$

Sequence: A205356
Score: 4.61885
Type of gen. func.: ogf

$$-\frac{2\,(5652\,x^{4}-10812\,x^{3}+6609\,x^{2}-1450\,x+97)}{(x-1)\,(9\,x-1)\,(-1+4\,x)\,(12\,x^{2}-9\,x+1)}$$

Sequence: A205382
Score: 4.89040
Type of gen. func.: ogf

$$8\,(x^{2}-x+1)\,(x^{12}+2\,x^{11}+4\,x^{10}+3\,x^{9}+4\,x^{8}+4\,x^{7}+7\,x^{6}+4\,x^{5}+4\,x^{4}+3\,x^{3}+4\,x^{2}+2\,x+1)\;/\;((x-1)^{2}\,(x+1)^{2}\,(x^{2}+1)^{2}\,(x^{4}+1)^{2})$$

Sequence: A205383
Score: 5.65847
Type of gen. func.: ogf

$$-\frac{x^{7}+8\,x^{6}+4\,x^{5}+8\,x^{4}+2\,x^{3}+8\,x^{2}+4\,x+8}{(x-1)\,(x+1)\,(x^{2}+1)\,(x^{4}+1)}$$

Sequence: A205424
Score: 4.75197
Type of gen. func.: ogf

$$\frac{144\,x^{5}-952\,x^{4}-1335\,x^{3}-327\,x^{2}+87\,x+15}{(9\,x-1)\,(4\,x^{2}+x-1)\,(12\,x^{2}+9\,x+1)}$$

Sequence: A205425
Score: 2.75244
Type of gen. func.: ogf

$$^{4}\qquad\qquad ^{3}$$

$$(1255523021835003 f(x) - 14918370546807488) (192 f(x) x + 108 f(x) x$$

$$- 37 f(x) x^2 + 1792 x^3 - 16 f(x) x + 1344 x^2 + f(x) - 30 x - 102)$$

Sequence: A205425
Score: 5.47497
Type of gen. func.: ogf

$$-\frac{2 (896 x^3 + 672 x^2 - 15 x - 51)}{(4 x^2 + x - 1) (48 x^2 + 15 x - 1)}$$

Sequence: A205433
Score: 4.11356
Type of gen. func.: ogf

$$-\frac{4914 x^5 - 3561 x^4 - 1216 x^3 + 1166 x^2 - 238 x + 15}{(x - 1) (6 x - 1) (3 x - 1) (7 x - 1) (9 x^2 + 4 x - 1)}$$

Sequence: A205468
Score: 5.14329
Type of gen. func.: ogf

$$-\frac{180 x^5 + 105 x^4 - 264 x^3 - 37 x^2 + 78 x - 14}{(3 x - 1) (x - 1) (6 x^2 + 3 x - 1) (2 x^2 + 2 x - 1)}$$

Sequence: A205492
Score: 4.65566
Type of gen. func.: ogf

$$-\frac{x^5 - x^4 - x^3 - x^2 + 1}{(x^3 - x^2 - 2 x + 1) (x^2 + x - 1)^2 (x - 1)^3}$$

Sequence: A205513
Score: 4.41476

Type of gen. func.: ogf

$$-\frac{3\,(22\,x^{6}+18\,x^{5}+12\,x^{4}-202\,x^{3}-75\,x^{2}-120\,x-27)}{4\,x^{7}+3\,x^{6}+2\,x^{5}-39\,x^{4}-6\,x^{3}-18\,x^{2}+1}$$

Sequence: A205579
Score: 12.9393
Type of gen. func.: ogf

$$\frac{(x+1)\,(x^{11}-x^{10}-x^{8}+x^{7}-x^{6}+x^{5}-x^{4}+x^{3}-x^{2}-1)}{x^{3}+x^{2}-1}$$

Sequence: A205583
Score: 4.63402
Type of gen. func.: ogf

$$\frac{72\,x^{6}-330\,x^{5}-55\,x^{4}+98\,x^{3}+119\,x^{2}+74\,x+14}{144\,x^{6}-12\,x^{5}-50\,x^{4}-44\,x^{3}-21\,x^{2}+1}$$

Sequence: A205584
Score: 3.88638
Type of gen. func.: ogf

$$-\frac{2\,(1125\,x^{6}+165\,x^{5}-541\,x^{4}+286\,x^{3}+397\,x^{2}+164\,x+37)}{250\,x^{7}+30\,x^{6}-107\,x^{5}+83\,x^{4}+82\,x^{3}+24\,x^{2}+3\,x-1}$$

Sequence: A205620
Score: 3.97792
Type of gen. func.: ogf

$$(10333801\,f(x)-34377554)\,(28\,f(x)\,x^{4}-40\,f(x)\,x^{3}-14\,x^{4}-40\,f(x)\,x^{2}$$

$$+440\,x^{3}-52\,x^{2}+f(x)-306\,x-50)$$

Sequence: A205620
Score: 6.60073
Type of gen. func.: ogf

$$\frac{2\,(7\,x^4 - 220\,x^3 + 26\,x^2 + 153\,x + 25)}{28\,x^4 - 40\,x^3 - 40\,x^2 + 1}$$

Sequence: A205621
Score: 3.1956
Type of gen. func.: ogf

$$(223914290495587\,f(x) - 9575074504813960)\,(112\,f(x)\,x^4 - 48\,f(x)\,x^3 - 344\,x^4 - 72\,f(x)\,x^2 + 4584\,x^3 + 900\,x^2 + f(x) - 1512\,x - 194)$$

Sequence: A205621
Score: 5.66642
Type of gen. func.: ogf

$$\frac{2\,(172\,x^4 - 2292\,x^3 - 450\,x^2 + 756\,x + 97)}{112\,x^4 - 48\,x^3 - 72\,x^2 + 1}$$

Sequence: A205627
Score: 5.82754
Type of gen. func.: ogf

$$-\frac{6\,(128\,x^4 + 56\,x^3 - 78\,x^2 - 21\,x + 12)}{(2\,x - 1)\,(2\,x^2 - 1)\,(8\,x^2 + 4\,x - 1)}$$

Sequence: A205646
Score: 16.1647
Type of gen. func.: ogf

$$-\frac{49\,x - 17}{(3\,x - 1)\,(x - 1)}$$

Sequence: A205646
Score: 8.08237
Type of gen. func.: ogf

$$-(26 f(x) - 803) (3 f(x) x^2 - 4 f(x) x + f(x) + 49 x - 17)$$

Sequence: A205646
Score: 9.04455
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + 3 a(n), a(0) = 17, a(1) = 19\}$$

Sequence: A205646
Score: 9.99661
Type of gen. func.: lgdogf

$$-\frac{-147 x^2 + 102 x - 19}{-147 x^3 + 247 x^2 - 117 x + 17}$$

Sequence: A205650
Score: 6.28638
Type of gen. func.: ogf

$$- (9 x^{11} + 8 x^{10} + 3 x^9 + x^8 + 3 x^7 + 8 x^6 + 9 x^5 + x^4 + 6 x^3 + 8 x^2 + 6 x + 1) / ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x^4 - x^2 + 1))$$

Sequence: A205651
Score: 11.0331
Type of gen. func.: ogf

$$-\frac{9 x^4 + 4 x^3 + 5 x^2 + 6 x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A205671
Score: 14.8642
Type of gen. func.: revegf]

$$-x - 1 + \exp(2 x)$$

Sequence: A205671
Score: 42.0154
Type of gen. func.: revegf]

$$-x - 1 + \exp(2 x)$$

Sequence: A205737
Score: 3.90504
Type of gen. func.: ogf

$$-\frac{3 (14 x^6 - 75 x^5 + 123 x^4 - 212 x^3 + 33 x^2 + 120 x - 27)}{(x - 1) (x^3 - x^2 + 4 x - 1) (2 x^3 - 7 x^2 - 4 x + 1)}$$

Sequence: A205802
Score: 5.86640
Type of gen. func.: egf]

$$72 (x^7 + 57657600) / (3 x^{11} - 11440 x^9 - 72 x^8 + 72 x^7 + 172972800 x^4 - 4151347200 x + 4151347200)$$

Sequence: A205806
Score: 17.5194
Type of gen. func.: revegf]

$$-\exp(-x) + \cos(x)$$

Sequence: A205806
Score: 45.9333
Type of gen. func.: revegf]

$$-\exp(-x) + \cos(x)$$

Sequence: A205817
Score: 3.92862
Type of gen. func.: ogf

$$-(57589 f(x) + 1403709) (2 f(x) x^4 - 4 f(x) x^3 - f(x) x^2 + 54 x^3 + 4 f(x) x - 84 x^2 - f(x) - 48 x + 66)$$

Sequence: A205817
Score: 6.41474
Type of gen. func.: lgdogf

$$-\frac{18 x^6 - 56 x^5 + 17 x^4 + 80 x^3 - 41 x^2 - 50 x + 36}{(x - 1) (x + 1) (2 x^2 - 4 x + 1) (9 x^3 - 14 x^2 - 8 x + 11)}$$

Sequence: A205817
Score: 7.51772
Type of gen. func.: ogf

$$-\frac{6 (9 x^3 - 14 x^2 - 8 x + 11)}{(x - 1) (x + 1) (2 x^2 - 4 x + 1)}$$

Sequence: A205818
Score: 3.79713
Type of gen. func.: ogf

$$-\frac{6 (23 x^7 + 5 x^6 - 197 x^5 - 188 x^4 + 187 x^3 + 177 x^2 - 29 x - 30)}{(x^2 + x - 1) (2 x^6 - 2 x^5 - 14 x^4 + 11 x^2 + 2 x - 1)}$$

Sequence: A205824
Score: 3.69854
Type of gen. func.: ogf

$$\{(-27 n^3 - 189 n^2 - 438 n - 336) a(n + 1) + (n^2 + 7 n + 12) a(n + 2), a(0) = 1, a(1) = 10\}$$

Sequence: A205825
Score: 4.33859
Type of gen. func.: ogf

$$\{(-2 n^3 - 14 n^2 - 32 n - 24) a(n + 1) + (6 + 2 n) a(n + 2) + (n^2 + 5 n + 4) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A205829
Score: 10.1207
Type of gen. func.: ogf

$$-\frac{3 (3 x^2 - 3 x + 10)}{x^3 - x^2 + 4 x - 1}$$

Sequence: A205829
Score: 10.2519
Type of gen. func.: lgdogf

$$-\frac{3 x^4 - 6 x^3 + 21 x^2 - 14 x + 37}{(3 x^2 - 3 x + 10) (x^3 - x^2 + 4 x - 1)}$$

Sequence: A205829
Score: 5.27295
Type of gen. func.: ogf

$$(5497 f(x) - 52662) (f(x) x^3 - f(x) x^2 + 4 f(x) x + 9 x^2 - f(x) - 9 x + 30)$$

Sequence: A205829
Score: 5.36309
Type of gen. func.: ogf

```
  {a(n + 3) - 4 a(n + 2) + a(n + 1) - a(n), a(0) = 30, a(1) = 111, a(2) = 423}



------------------------------------------------------------------------------

Sequence:  A205830
Score: 4.13869
Type of gen. func.: ogf


{a(n + 4) - 7 a(n + 3) + 8 a(n + 2) - 6 a(n + 1), a(0) = 111, a(1) = 630,

    a(2) = 3642, a(3) = 21126}



------------------------------------------------------------------------------

Sequence:  A205830
Score: 4.16783
Type of gen. func.: ogf


-(3503615 f(x) + 33815583)

             3           2      3                   2
    (6 f(x) x  - 8 f(x) x  + 6 x  + 7 f(x) x + 120 x  - f(x) - 147 x + 111)



------------------------------------------------------------------------------

Sequence:  A205830
Score: 7.16117
Type of gen. func.: lgdogf


                            4        3        2
                    2 (128 x  - 308 x  + 392 x  - 256 x + 105)
              - --------------------------------------------------
                    3      2                    3        2
                (6 x  - 8 x  + 7 x - 1) (2 x  + 40 x  - 49 x + 37)



------------------------------------------------------------------------------

Sequence:  A205830
Score: 7.89109
Type of gen. func.: ogf


                                 3       2
                           3 (2 x  + 40 x  - 49 x + 37)
                         - ----------------------------
                                 3      2
                              6 x  - 8 x  + 7 x - 1



------------------------------------------------------------------------------

Sequence:  A205919
Score: 4.33196
Type of gen. func.: ogf


                   6        5        4       3       2
```

$$-\frac{116 x + 448 x + 509 x + 86 x + 71 x + 313 x + 76}{8 x^{7} + 28 x^{6} + 26 x^{5} - 2 x^{4} + 3 x^{3} + 18 x^{2} + x - 1}$$

Sequence: A205960
Score: 4.26909
Type of gen. func.: ogf

$$(90 x^{17} - 90 x^{16} + 90 x^{15} - 90 x^{14} + 90 x^{13} - 90 x^{12} + 90 x^{11} - 90 x^{10} - 8 x^{8} + 10 x^{7} - 8 x^{6} + 10 x^{5} - 8 x^{4} + 10 x^{3} - 8 x^{2} + 10 x + 1) / ((x - 1) (10 x^{9} - 1))$$

Sequence: A205961
Score: 10.8488
Type of gen. func.: lgdogf

$$-\frac{160 x^{4} - 24 x^{2} + 8 x + 1}{32 x^{5} - 8 x^{3} + 4 x^{2} + x - 1}$$

Sequence: A205961
Score: 11.6071
Type of gen. func.: ogf

$$-\frac{1}{32 x^{5} - 8 x^{3} + 4 x^{2} + x - 1}$$

Sequence: A205979
Score: 4.11356
Type of gen. func.: ogf

$$-\frac{3 (14 x^{6} + 9 x^{5} + 30 x^{4} + 13 x^{3} + 192 x^{2} + 87 x + 27)}{2 x^{7} + x^{6} + 3 x^{5} + x^{4} + 35 x^{3} + 10 x^{2} + 2 x - 1}$$

Sequence: A205980
Score: 3.91162
Type of gen. func.: ogf

$$3 (96 x^8 + 220 x^7 - 134 x^6 - 666 x^5 - 775 x^4 + 214 x^3 + 1021 x^2 + 519 x + 141) / (4 x^7 + 12 x^6 - 5 x^4 - 26 x^3 - 7 x^2 - x + 1)$$

Sequence: A205981
Score: 4.13928
Type of gen. func.: ogf

$$- 3 (832 x^8 - 11820 x^7 - 2312 x^6 - 14120 x^5 - 23943 x^4 - 9974 x^3 + 9020 x^2 + 2668 x + 744) / (8 x^5 + 60 x^3 - 1)$$

Sequence: A205982
Score: 4.13513
Type of gen. func.: ogf

$$- 6 (784 x^8 - 3136 x^7 - 15904 x^6 - 156996 x^5 - 166592 x^4 - 92104 x^3 + 17333 x^2 + 5584 x + 1928) / (84 x^3 - 1)$$

Sequence: A205991
Score: 6.78818
Type of gen. func.: ogf

$$- \frac{2 (4 x^4 - 7 x^3 + 8 x^2 + 20 x + 13)}{x^5 - 2 x^4 + 3 x^3 + 5 x^2 + 2 x - 1}$$

Sequence: A206003
Score: 5.48213
Type of gen. func.: ogf

{-a(n + 4) + 8 a(n + 2) + 4 a(n + 1), a(0) = 24, a(1) = 78, a(2) = 228,

a(3) = 722}

Sequence: A206003
Score: 5.48214
Type of gen. func.: ogf

$$-(1488223 f(x) - 5170254)$$

$$(4 f(x) x^{3} + 8 f(x) x^{2} + 2 x^{3} + 36 x^{2} - f(x) + 78 x + 24)$$

Sequence: A206003
Score: 9.08654
Type of gen. func.: lgdogf

$$-\frac{64 x^{4} + 312 x^{3} + 459 x^{2} + 228 x + 39}{(4 x^{3} + 8 x^{2} - 1) (x^{3} + 18 x^{2} + 39 x + 12)}$$

Sequence: A206003
Score: 9.67435
Type of gen. func.: ogf

$$-\frac{2 (x^{3} + 18 x^{2} + 39 x + 12)}{4 x^{3} + 8 x^{2} - 1}$$

Sequence: A206004
Score: 3.64492
Type of gen. func.: ogf

$$-\frac{2 (13 x^{8} - 48 x^{7} + x^{6} + 293 x^{5} - 48 x^{4} - 414 x^{3} - 317 x^{2} + 72 x + 39)}{x^{9} - 4 x^{8} + x^{7} + 23 x^{6} - 9 x^{5} - 34 x^{4} - 17 x^{3} + 13 x^{2} + 2 x - 1}$$

Sequence: A206012
Score: 5.14737
Type of gen. func.: ogf

15 13 12 10 9 8 7 6 5 4 3 2

```
(x   - x   + x   - 2 x   - 2 x  + 2 x  - x  - 3 x  - 4 x  + 3 x  + x  + x  + x

            /   15      10      5
     + 1)  /  (x   - 3 x   - 6 x  + 1)
          /



------------------------------------------------------------------------------

Sequence:  A206014
Score: 12.3078
Type of gen. func.: ogf

                                  8 (20 x + 13)
                               - ---------------
                                     2
                                 10 x  + 5 x - 1



------------------------------------------------------------------------------

Sequence:  A206014
Score: 13.7184
Type of gen. func.: lgdogf

                                     2
                              5 (40 x  + 52 x + 17)
                        - -----------------------------
                                           2
                          (20 x + 13) (10 x  + 5 x - 1)



------------------------------------------------------------------------------

Sequence:  A206014
Score: 6.47777
Type of gen. func.: ogf

                                     2
         (137 f(x) - 2688) (10 f(x) x  + 5 f(x) x - f(x) + 160 x + 104)



------------------------------------------------------------------------------

Sequence:  A206014
Score: 7.07343
Type of gen. func.: ogf

           {a(n + 2) - 5 a(n + 1) - 10 a(n), a(0) = 104, a(1) = 680}



------------------------------------------------------------------------------

Sequence:  A206014
Score: 8.20517
Type of gen. func.: lgdogf

                                     2
                               -200 x  - 260 x - 85
                         - ----------------------------
                                 3        2
```

$$-200 x - 230 x - 45 x + 13$$

Sequence: A206015
Score: 4.25211
Type of gen. func.: ogf

$$- \frac{8 (512 x^4 - 1664 x^3 + 568 x^2 + 229 x - 85)}{(2 x - 1) (32 x^4 - 92 x^3 + x^2 + 12 x - 1)}$$

Sequence: A206047
Score: 4.36992
Type of gen. func.: ogf

$$(3144131 f(x) + 8249970)$$

$$(2 f(x) x^3 - 7 f(x) x^2 - 4 f(x) x + 18 x^2 + f(x) - 63 x - 48)$$

Sequence: A206047
Score: 4.66619
Type of gen. func.: ogf

$\{a(n + 3) - 4 a(n + 2) - 7 a(n + 1) + 2 a(n), a(0) = 48, a(1) = 255,$

$a(2) = 1338\}$

Sequence: A206047
Score: 7.92401
Type of gen. func.: lgdogf

$$- \frac{12 x^4 - 84 x^3 + 75 x^2 + 212 x + 85}{(6 x^2 - 21 x - 16) (2 x^3 - 7 x^2 - 4 x + 1)}$$

Sequence: A206047
Score: 8.60328
Type of gen. func.: ogf

$$- \frac{3 (6 x^2 - 21 x - 16)}{}$$

$$2 x^{3} - 7 x^{2} - 4 x + 1$$

Sequence: A206048
Score: 4.59816
Type of gen. func.: ogf

$$- \frac{3 (36 x^{5} - 54 x^{4} + 135 x^{3} - 215 x^{2} + 5 x + 85)}{4 x^{6} - 6 x^{5} + 15 x^{4} - 24 x^{3} + x^{2} + 9 x - 1}$$

Sequence: A206065
Score: 3.96587
Type of gen. func.: ogf

$$-(26001602453 f(x) - 1055439397302) ($$

$$2 f(x) x^{4} + 45 x^{4} - f(x) x^{2} + 54 x^{3} + 4 f(x) x + 18 x^{2} - f(x) - 174 x + 81)$$

Sequence: A206065
Score: 6.43967
Type of gen. func.: lgdogf

$$- \frac{2 (18 x^{6} + 27 x^{5} - 255 x^{4} + 66 x^{3} + 44 x^{2} - 21 x + 25)}{(2 x^{4} - x^{2} + 4 x - 1) (15 x^{4} + 18 x^{3} + 6 x^{2} - 58 x + 27)}$$

Sequence: A206065
Score: 7.59725
Type of gen. func.: ogf

$$- \frac{3 (15 x^{4} + 18 x^{3} + 6 x^{2} - 58 x + 27)}{2 x^{4} - x^{2} + 4 x - 1}$$

Sequence: A206066
Score: 6.74483
Type of gen. func.: ogf

$$\frac{6\,(16\,x^5 + 16\,x^4 + 12\,x^3 + 48\,x^2 - 74\,x + 25)}{8\,x^2 - 7\,x + 1}$$

Sequence: A206067
Score: 3.81616
Type of gen. func.: ogf

$$3\,(192\,x^8 - 960\,x^7 - 728\,x^6 - 96\,x^5 + 1935\,x^4 - 3884\,x^3 + 3702\,x^2 - 1396\,x + 179) \bigg/ (47\,x^4 - 82\,x^3 + 56\,x^2 - 14\,x + 1)$$

Sequence: A206078
Score: 3.64438
Type of gen. func.: ogf

$$(564537867\,f(x) + 3585558349)\,(2\,f(x)\,x^4 - 4\,f(x)\,x^3 + 13\,f(x)\,x^2 + 32\,x^3 + 6\,f(x)\,x - 64\,x^2 - f(x) + 216\,x + 124)$$

Sequence: A206078
Score: 6.98506
Type of gen. func.: ogf

$$-\frac{4\,(8\,x^3 - 16\,x^2 + 54\,x + 31)}{2\,x^4 - 4\,x^3 + 13\,x^2 + 6\,x - 1}$$

Sequence: A206087
Score: 3.97818
Type of gen. func.: ogf

$$(332\,f(x) + 5607)\,(36\,f(x)\,x^4 - 12\,f(x)\,x^3 + f(x)\,x^2 + 1026\,x^3 - 4\,f(x)\,x + 27\,x^2 + f(x) + 54\,x - 81)$$

Sequence: A206087
Score: 6.71894
Type of gen. func.: lgdogf

$$-\frac{2\,(684\,x^6+36\,x^5+83\,x^4-88\,x^3-4\,x+5)}{(2\,x-1)\,(38\,x^3+x^2+2\,x-3)\,(18\,x^3+3\,x^2+2\,x-1)}$$

Sequence: A206087
Score: 7.02031
Type of gen. func.: ogf

$$-\frac{27\,(38\,x^3+x^2+2\,x-3)}{(2\,x-1)\,(18\,x^3+3\,x^2+2\,x-1)}$$

Sequence: A206088
Score: 5.77764
Type of gen. func.: ogf

$$\frac{6\,(80\,x^5-82\,x^4-304\,x^3-64\,x^2+85\,x+45)}{(x-1)\,(10\,x^3+6\,x^2-1)}$$

Sequence: A206089
Score: 7.20129
Type of gen. func.: ogf

$$-\frac{12\,(368\,x^5-208\,x^4-346\,x^3+380\,x^2+168\,x+81)}{18\,x^3-1}$$

Sequence: A206090
Score: 5.91832
Type of gen. func.: ogf

$$\frac{12\,(1152\,x^6+768\,x^5+5872\,x^4+6030\,x^3-1112\,x^2-496\,x-297)}{34\,x^3-1}$$

Sequence: A206091
Score: 4.72535
Type of gen. func.: ogf

$$24 (3200 x^7 + 3840 x^6 + 3072 x^5 + 27896 x^4 + 31926 x^3 - 1408 x^2 - 749 x - 567) / (66 x^3 - 1)$$

Sequence: A206092
Score: 3.99901
Type of gen. func.: ogf

$$12 (165888 x^8 + 92160 x^7 + 95744 x^6 + 55040 x^5 + 409968 x^4 + 535090 x^3 - 7208 x^2 - 4536 x - 4401) / (130 x^3 - 1)$$

Sequence: A206111
Score: 3.92592
Type of gen. func.: ogf

$$- \frac{4 (2304 x^6 + 1836 x^5 - 3516 x^4 - 2877 x^3 - 238 x^2 - 35 x + 64)}{(4 x^2 + 2 x - 1) (36 x^5 + 4 x^4 - 55 x^3 - 7 x^2 - 3 x + 1)}$$

Sequence: A206112
Score: 3.57590
Type of gen. func.: ogf

$$4 (3645 x^7 - 1206 x^6 - 16011 x^5 - 1778 x^4 + 9967 x^3 + 2373 x^2 - 737 x - 285) / ((x - 1) (x^2 + x - 1) (45 x^3 + 19 x^2 - 1))$$

Sequence: A206113
Score: 5.72350
Type of gen. func.: ogf

$$-\frac{4\,(151065\,x^5 - 48320\,x^4 - 43105\,x^3 + 22149\,x^2 + 5656\,x + 1507)}{115\,x^3 - 1}$$

Sequence: A206114
Score: 4.88326
Type of gen. func.: ogf

$$4\,(4418640\,x^6 + 930240\,x^5 + 3191832\,x^4 + 1191063\,x^3 - 130200\,x^2 - 27888\,x - 7939) \Big/ (309\,x^3 - 1)$$

Sequence: A206121
Score: 3.92861
Type of gen. func.: ogf

$$-\frac{2\,(x^8 + 32\,x^7 + 10\,x^6 - 31\,x^5 + 325\,x^4 + 485\,x^3 + 216\,x^2 - 35\,x - 25)}{(4\,x^3 + 8\,x^2 - 1)\,(x^5 - 2\,x^4 + 3\,x^3 + 5\,x^2 + 2\,x - 1)}$$

Sequence: A206130
Score: 3.72599
Type of gen. func.: ogf

$$(34160495297\,f(x) - 9047126848514)\,(4\,f(x)\,x^3 - 288\,x^4 - 11\,f(x)\,x^2 + 104\,x^3 + 8\,f(x)\,x + 1396\,x^2 - f(x) - 1484\,x + 256)$$

Sequence: A206130
Score: 3.74913
Type of gen. func.: ogf

$\{a(n + 5) - 8\,a(n + 4) + 11\,a(n + 3) - 4\,a(n + 2),\ a(0) = 256,\ a(1) = 564,\ a(2) = 3092,\ a(3) = 19660,\ a(4) = 125236\}$

Sequence: A206130

Score: 6.70678
Type of gen. func.: ogf

$$\frac{4 (72 x^4 - 26 x^3 - 349 x^2 + 371 x - 64)}{(x - 1) (4 x^2 - 7 x + 1)}$$

Sequence: A206131
Score: 4.91166
Type of gen. func.: ogf

$$\frac{4 (5 x - 3) (36 x^3 - 148 x^2 + 165 x - 47)}{(x - 1) (10 x^3 - 31 x^2 + 16 x - 1)}$$

Sequence: A206143
Score: 13.0365
Type of gen. func.: ogf

$$\frac{3 (6 x^2 + 61 x - 27)}{3 x - 1}$$

Sequence: A206143
Score: 15.6519
Type of gen. func.: lgdogf

$$\frac{2 (9 x^2 - 6 x + 10)}{(3 x - 1) (6 x^2 + 61 x - 27)}$$

Sequence: A206143
Score: 7.25895
Type of gen. func.: ogf

$\{-a(n + 3) + 3 a(n + 2), a(0) = 81, a(1) = 60, a(2) = 162\}$

Sequence: A206143
Score: 7.98486

Type of gen. func.: ogf

$$(f(x) - 56) (3 f(x) x - 18 x^2 - f(x) - 183 x + 81)$$

Sequence: A206143
Score: 8.75052
Type of gen. func.: lgdogf

$$- \frac{18 x^2 - 12 x + 20}{-18 x^3 - 177 x^2 + 142 x - 27}$$

Sequence: A206144
Score: 10.3246
Type of gen. func.: ogf

$$\frac{6 (x - 2) (2 x - 5)}{2 x^2 - 5 x + 1}$$

Sequence: A206144
Score: 13.1673
Type of gen. func.: lgdogf

$$\frac{8 x^2 - 36 x + 41}{(2 x - 5) (x - 2) (2 x^2 - 5 x + 1)}$$

Sequence: A206144
Score: 5.35348
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 2 a(n + 1), a(0) = 60, a(1) = 246, a(2) = 1122\}$$

Sequence: A206144
Score: 5.61336
Type of gen. func.: ogf

2 2

$-(169 f(x) - 54) (2 f(x) x - 5 f(x) x - 12 x + f(x) + 54 x - 60)$

Sequence: A206144
Score: 7.41251
Type of gen. func.: lgdogf

$$-\frac{8 x^2 - 36 x + 41}{-4 x^4 + 28 x^3 - 67 x^2 + 59 x - 10}$$

Sequence: A206145
Score: 4.26062
Type of gen. func.: ogf

$-(1897807 f(x) + 30849720)$

$(6 f(x) x^3 - 15 f(x) x^2 + 9 f(x) x + 144 x^2 - f(x) - 336 x + 162)$

Sequence: A206145
Score: 4.75359
Type of gen. func.: ogf

$\{-a(n + 3) + 9 a(n + 2) - 15 a(n + 1) + 6 a(n), a(0) = 162, a(1) = 1122,$

$a(2) = 7812\}$

Sequence: A206145
Score: 7.51496
Type of gen. func.: lgdogf

$$-\frac{144 x^4 - 672 x^3 + 1110 x^2 - 762 x + 187}{(24 x^2 - 56 x + 27) (6 x^3 - 15 x^2 + 9 x - 1)}$$

Sequence: A206145
Score: 8.45859
Type of gen. func.: ogf

$$-\frac{6 (24 x^2 - 56 x + 27)}{}$$

$$6 x^{3} - 15 x^{2} + 9 x - 1$$

Sequence: A206146
Score: 4.81423
Type of gen. func.: ogf

$$-\frac{6 (64 x^{4} - 376 x^{3} + 692 x^{2} - 443 x + 81)}{8 x^{5} - 48 x^{4} + 92 x^{3} - 65 x^{2} + 16 x - 1}$$

Sequence: A206163
Score: 3.26071
Type of gen. func.: ogf

$$\frac{2688 x^{6} - 10032 x^{5} - 3536 x^{4} + 8345 x^{3} + 2373 x^{2} - 985 x - 85}{(4 x^{2} + x - 1) (288 x^{4} - 180 x^{3} - 213 x^{2} + 1)}$$

Sequence: A206170
Score: 3.30084
Type of gen. func.: ogf

$$(533797460 f(x) - 26401219587) (108 f(x) x^{4} - 192 f(x) x^{3} + 101 f(x) x^{2}$$
$$+ 576 x^{3} - 18 f(x) x - 626 x^{2} + f(x) + 185 x - 15)$$

Sequence: A206170
Score: 6.13012
Type of gen. func.: ogf

$$-\frac{576 x^{3} - 626 x^{2} + 185 x - 15}{(x - 1) (6 x - 1) (9 x - 1) (2 x - 1)}$$

Sequence: A206171
Score: 3.53663
Type of gen. func.: ogf

$$-\frac{2\,(2997\,x^5 - 927\,x^4 - 1938\,x^3 + 398\,x^2 + 281\,x - 51)}{(3\,x - 1)\,(x - 1)\,(27\,x^2 + 12\,x - 1)\,(3\,x^2 - 1)}$$

Sequence: A206190
Score: 3.73942
Type of gen. func.: ogf

$$(314713829\,f(x) - 1282094424)\,(2\,f(x)\,x^4 + 4\,f(x)\,x^3 - 7\,f(x)\,x^2 + 32\,x^3 + 9\,f(x)\,x + 64\,x^2 - f(x) - 104\,x + 124)$$

Sequence: A206190
Score: 7.20852
Type of gen. func.: ogf

$$-\frac{4\,(8\,x^3 + 16\,x^2 - 26\,x + 31)}{2\,x^4 + 4\,x^3 - 7\,x^2 + 9\,x - 1}$$

Sequence: A206198
Score: 5.36110
Type of gen. func.: ogf

$$\frac{4\,(5440\,x^6 + 7224\,x^5 - 3234\,x^4 - 1830\,x^3 - 1284\,x^2 - 265\,x - 64)}{100\,x^3 - 1}$$

Sequence: A206199
Score: 5.83296
Type of gen. func.: ogf

$$\frac{4\,(64\,x^5 - 170\,x^4 + 567\,x^3 - 82\,x^2 + 72\,x - 64)}{2\,x^5 - 5\,x^4 + 17\,x^3 + 3\,x - 1}$$

Sequence: A206200

Score: 4.24808
Type of gen. func.: ogf

$$\frac{4 (3 x^8 + 9 x^7 - 17 x^6 - 41 x^5 - 38 x^4 + 109 x^3 - 392 x^2 - 265 x - 120)}{x^7 + x^6 + x^5 - 3 x^4 + 14 x^3 + 3 x^2 - 1}$$

Sequence: A206208
Score: 4.21394
Type of gen. func.: ogf

$$(664 f(x) + 1537) (36 f(x) x^4 - 12 f(x) x^3 - 18 x^4 + f(x) x^2 + 177 x^3$$
$$- 4 f(x) x + 4 x^2 + f(x) + 11 x - 14)$$

Sequence: A206208
Score: 6.62292
Type of gen. func.: lgdogf

$$\frac{9 (684 x^6 + 36 x^5 + 83 x^4 - 88 x^3 - 4 x + 5)}{(2 x - 1) (18 x^3 + 3 x^2 + 2 x - 1) (18 x^4 - 177 x^3 - 4 x^2 - 11 x + 14)}$$

Sequence: A206208
Score: 7.19117
Type of gen. func.: ogf

$$\frac{18 x^4 - 177 x^3 - 4 x^2 - 11 x + 14}{(2 x - 1) (18 x^3 + 3 x^2 + 2 x - 1)}$$

Sequence: A206209
Score: 6.54489
Type of gen. func.: ogf

$$\frac{80 x^5 - 82 x^4 - 304 x^3 - 64 x^2 + 85 x + 45}{(x - 1) (10 x^3 + 6 x^2 - 1)}$$

Sequence: A206210
Score: 7.57558
Type of gen. func.: ogf

$$-\frac{2\,(368\,x^{5}-208\,x^{4}-346\,x^{3}+380\,x^{2}+168\,x+81)}{18\,x^{3}-1}$$

Sequence: A206211
Score: 6.09205
Type of gen. func.: ogf

$$\frac{2\,(1152\,x^{6}+768\,x^{5}+5872\,x^{4}+6030\,x^{3}-1112\,x^{2}-496\,x-297)}{34\,x^{3}-1}$$

Sequence: A206212
Score: 4.95162
Type of gen. func.: ogf

$$4\,(3200\,x^{7}+3840\,x^{6}+3072\,x^{5}+27896\,x^{4}+31926\,x^{3}-1408\,x^{2}-749\,x-567)\;\Big/\;(66\,x^{3}-1)$$

Sequence: A206213
Score: 3.88136
Type of gen. func.: ogf

$$2\,(165888\,x^{8}+92160\,x^{7}+95744\,x^{6}+55040\,x^{5}+409968\,x^{4}+535090\,x^{3}-7208\,x^{2}-4536\,x-4401)\;\Big/\;(130\,x^{3}-1)$$

Sequence: A206231
Score: 3.73518
Type of gen. func.: ogf

7 6 5 4 3 2

$$\frac{378 x - 2793 x - 1366 x - 1585 x + 720 x + 5 x + 60 x - 15}{(4 x - 1) (3 x^3 + x^2 + x - 1) (63 x^3 + 7 x^2 + 3 x - 1)}$$

Sequence: A206233
Score: 4.89076
Type of gen. func.: ogf

$$- \frac{2 (16860 x^6 - 22668 x^5 + 165 x^4 + 8639 x^3 - 1660 x^2 - 413 x - 155)}{(x - 1) (129 x^3 - 1)}$$

Sequence: A206234
Score: 4.35620
Type of gen. func.: ogf

$$8 (107163 x^7 - 86751 x^6 + 67251 x^5 - 54141 x^4 - 37425 x^3 + 2680 x^2 + 511 x + 205) / ((x - 1) (339 x^3 - 1))$$

Sequence: A206244
Score: 18.1282
Type of gen. func.: ogf

$$\frac{1}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A206244
Score: 35.3393
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + 1$$

Sequence: A206244
Score: 8.01783
Type of gen. func.: lgdogf

$$-\frac{12x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1}{(x-1)(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A206245
Score: 18.1282
Type of gen. func.: ogf

$$\frac{1}{(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A206245
Score: 35.3393
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10}+1$$

Sequence: A206245
Score: 8.01783
Type of gen. func.: lgdogf

$$-\frac{12x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1}{(x-1)(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A206248
Score: 4.0326
Type of gen. func.: ogf

$$-(66050071 f(x) + 2160249327)$$

$$(27 f(x) x^3 - 12 f(x) x^2 - 4 f(x) x + 432 x^2 + f(x) - 165 x - 49)$$

Sequence: A206248
Score: 4.63749
Type of gen. func.: ogf

$\{-a(n + 3) + 4 a(n + 2) + 12 a(n + 1) - 27 a(n), a(0) = 49, a(1) = 361,$

a(2) = 1600}

Sequence: A206248
Score: 8.18381
Type of gen. func.: ogf

$$-\frac{432 x^2 - 165 x - 49}{(3 x + 1) (9 x^2 - 7 x + 1)}$$

Sequence: A206249
Score: 2.97263
Type of gen. func.: ogf

$$-(956098318934093 f(x) + 200151906170367510) (2025 f(x) x^4 - 855 f(x) x^3 + 129600 x^3 + 19 f(x) x - 52695 x^2 - f(x) + 1170 x + 361)$$

Sequence: A206249
Score: 5.81166
Type of gen. func.: ogf

$$-\frac{129600 x^3 - 52695 x^2 + 1170 x + 361}{(45 x^2 - 1) (45 x^2 - 19 x + 1)}$$

Sequence: A206250
Score: 3.18618
Type of gen. func.: ogf

$$-\frac{16 (26873856 x^5 - 5866992 x^4 - 333072 x^3 + 108684 x^2 - 3441 x - 100)}{(1296 x^3 + 144 x^2 - 12 x - 1) (1296 x^3 - 432 x^2 + 40 x - 1)}$$

Sequence: A206260
Score: 7.01008
Type of gen. func.: ogf

$$\frac{x^5 - 14 x^4 + 18 x^3 + 18 x^2 - 40 x + 16}{(x^2 + x - 1) (x - 1)^3}$$

Sequence: A206260
Score: 7.67207
Type of gen. func.: lgdogf

$$\frac{12 x^6 - 14 x^5 - 29 x^4 + 32 x^3 + 54 x^2 - 76 x + 24}{(x - 1) (x^2 + x - 1) (x^5 - 14 x^4 + 18 x^3 + 18 x^2 - 40 x + 16)}$$

Sequence: A206261
Score: 7.60442
Type of gen. func.: ogf

$$\frac{5 x^5 - 27 x^4 + 36 x^3 + 8 x^2 - 44 x + 24}{(x + 1) (x - 1)^4}$$

Sequence: A206261
Score: 9.67071
Type of gen. func.: lgdogf

$$\frac{4 (3 x^5 - 4 x^4 - 6 x^3 + 11 x^2 - x - 7)}{(x - 1) (x + 1) (5 x^5 - 27 x^4 + 36 x^3 + 8 x^2 - 44 x + 24)}$$

Sequence: A206262
Score: 6.63825
Type of gen. func.: ogf

$$\frac{11 x^6 - 58 x^5 + 102 x^4 - 43 x^3 - 72 x^2 + 92 x - 34}{(x + 1) (x - 1)^5}$$

Sequence: A206263
Score: 5.22801
Type of gen. func.: ogf

$$\frac{20x^7 - 114x^6 + 240x^5 - 184x^4 - 89x^3 + 265x^2 - 186x + 50}{(x+1)(x-1)^6}$$

Sequence: A206264
Score: 4.58239
Type of gen. func.: ogf

$$\frac{36x^8 - 232x^7 + 591x^6 - 683x^5 + 144x^4 + 543x^3 - 668x^2 + 339x - 72}{(x+1)(x-1)^7}$$

Sequence: A206265
Score: 3.54074
Type of gen. func.: ogf

$$(60x^9 - 436x^8 + 1302x^7 - 1938x^6 + 1135x^5 + 791x^4 - 1953x^3 + 1543x^2 - 607x + 105) \Big/ ((x+1)(x-1)^8)$$

Sequence: A206266
Score: 3.51457
Type of gen. func.: ogf

$$(101x^{10} - 826x^9 + 2862x^8 - 5271x^7 + 4927x^6 - 512x^5 - 4340x^4 + 5422x^3 - 3269x^2 + 1058x - 154) \Big/ ((x+1)(x-1)^9)$$

Sequence: A206268
Score: 10.5149
Type of gen. func.: ogf

$$\frac{(x-1)(2x^2-1)}{{}^{2}\qquad\quad{}^{2}}$$

$$(x + x - 1)$$

Sequence: A206268
Score: 5.74218
Type of gen. func.: ogf

$$-(2 f(x) + 5)$$

$$(f(x) x^4 + 2 f(x) x^3 - f(x) x^2 - 2 x^3 - 2 f(x) x + 2 x^2 + f(x) + x - 1)$$

Sequence: A206268
Score: 9.20053
Type of gen. func.: lgdogf

$$- \frac{-2 x^4 + 6 x^3 - 3 x^2 + x - 1}{-2 x^5 + 5 x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A206270
Score: 4.31847
Type of gen. func.: ogf

$$- \frac{3 (88 x^6 + 174 x^5 + 431 x^4 + 476 x^3 + 249 x^2 + 102 x + 27)}{16 x^7 + 29 x^6 + 66 x^5 + 58 x^4 + 20 x^3 + 6 x^2 - 1}$$

Sequence: A206278
Score: 10.5092
Type of gen. func.: ogf

$$\frac{128 x^2 (32 x^2 - 1)}{(4 x - 1) (2 x + 1) (2 x - 1) (8 x - 1) (4 x + 1)}$$

Sequence: A206282
Score: 7.09986
Type of gen. func.: ogf

$$x^7 + x^6 + x^5 + 3 x^4 + 2 x^3 + x^2 - x - 1$$

```
                    ---------------------------------------
                               2            6      3
                     (x - 1) (x  + x + 1) (x  + 3 x  + 1)
```

Sequence: A206300
Score: 13.1306
Type of gen. func.: ogf

```
                                                 3
                                  4 x + f(x) - f(x)
```

Sequence: A206300
Score: 13.6286
Type of gen. func.: revogf

```
                                              1/2
                                           x 2
                               - ----------------------
                                                  1/2 1/2
                                 (1 + (1 + 16 x)   )
```

Sequence: A206300
Score: 3.54623
Type of gen. func.: ogf

```
       2                              2
{(108 n  + 216 n + 96) a(n + 1) + (-n  - 5 n - 6) a(n + 3), a(0) = -1, a(1) = 2,

    a(2) = 6}
```

Sequence: A206300
Score: 7.96448
Type of gen. func.: revogf

```
                                              1/2
                                           x 2
                               - ----------------------
                                                  1/2 1/2
                                 (1 + (1 + 16 x)   )
```

Sequence: A206304
Score: 15.2859
Type of gen. func.: revegf]

```
                                                 2
                                    x - ln(x + 1)
```

Sequence: A206304
Score: 55.2848
Type of gen. func.: revegf]

$$x - \ln(x + 1)^2$$

Sequence: A206307
Score: 3.49037
Type of gen. func.: ogf

$$\{(-4 n^2 - 26 n - 42) a(n + 1) + (-4 n^2 - 34 n - 71) a(n + 2) + a(n + 3),$$
$$a(0) = 0, a(1) = 6, a(2) = 246\}$$

Sequence: A206308
Score: 3.56357
Type of gen. func.: ogf

$$\{(4 n^2 + 26 n + 42) a(n + 1) + (4 n^2 + 34 n + 71) a(n + 2) - a(n + 3), a(0) = 1,$$
$$a(1) = 19, a(2) = 799\}$$

Sequence: A206320
Score: 3.85383
Type of gen. func.: ogf

$$- \frac{4 (8 x^7 + 154 x^6 + 500 x^5 + 511 x^4 + 482 x^3 - 78 x^2 - 240 x + 64)}{14 x^7 + 42 x^6 + 19 x^5 + 42 x^4 - 26 x^3 - 5 x^2 + 9 x - 1}$$

Sequence: A206335
Score: 6.91852
Type of gen. func.: ogf

$$- \frac{9 x^5 - 9 x^4 - 340 x^3 + 569 x^2 + 11 x - 192}{(x - 1) (3 x - 1) (3 x + 1)}$$

Sequence: A206336
Score: 5.68681
Type of gen. func.: ogf

$$\frac{2x^9+4x^8-x^7-9x^6-19x^5+3x^4+129x^3-217x^2-96x+192}{(x-1)(3x^2-1)}$$

Sequence: A206337
Score: 6.24046
Type of gen. func.: ogf

$$\frac{2x^{10}+2x^9-3x^6-3x^5-x^4+47x^3-237x^2+85x+96}{(x-1)(3x^2-1)}$$

Sequence: A206338
Score: 6.52032
Type of gen. func.: ogf

$$\frac{2x^{11}+2x^{10}-3x^5+x^4+11x^3-257x^2-223x+455}{(x-1)(3x^2-1)}$$

Sequence: A206339
Score: 4.41408
Type of gen. func.: ogf

$$(2x^{12}+10x^{11}+8x^{10}-8x^9+8x^8-8x^7+8x^6-20x^5+9x^4+185x^3$$
$$-740x^2+238x+296)\ /\ ((x-1)(3x^2-1))$$

Sequence: A206340
Score: 5.44877
Type of gen. func.: ogf

$$18x^{13}+18x^{12}-36x^6-12x^5+24x^4+97x^3-807x^2-690x+1376$$

$$\overline{(x - 1) (3 x^2 - 1)}$$

Sequence: A206351
Score: 10.4003
Type of gen. func.: ogf

$$\frac{5 x - 1}{(x - 1) (x^2 - 7 x + 1)}$$

Sequence: A206351
Score: 10.7846
Type of gen. func.: lgdogf

$$- \frac{10 x^3 - 43 x^2 + 16 x - 3}{(x - 1) (5 x - 1) (x^2 - 7 x + 1)}$$

Sequence: A206351
Score: 4.83522
Type of gen. func.: ogf

$$-(21171 f(x) + 4199) (f(x) x^3 - 8 f(x) x^2 + 8 f(x) x - f(x) - 5 x + 1)$$

Sequence: A206351
Score: 4.87800
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 8 a(n + 1) - a(n), a(0) = 1, a(1) = 3, a(2) = 16\}$$

Sequence: A206351
Score: 6.40947
Type of gen. func.: lgdogf

$$- \frac{10 x^3 - 43 x^2 + 16 x - 3}{5 x^4 - 41 x^3 + 48 x^2 - 13 x + 1}$$

Sequence: A206353
Score: 4.19377
Type of gen. func.: ogf

$$\{-a(n+5)+6\,a(n+4)+13\,a(n+3)-18\,a(n+2),\ a(0)=1,\ a(1)=4,\ a(2)=17,\ a(3)=120,\ a(4)=884\}$$

Sequence: A206353
Score: 4.19378
Type of gen. func.: ogf

$$-(169977489\,f(x)-28224092)\,(18\,f(x)\,x^{3}-15\,x^{4}-13\,f(x)\,x^{2}+16\,x^{3}-6\,f(x)\,x+20\,x^{2}+f(x)+2\,x-1)$$

Sequence: A206353
Score: 6.40291
Type of gen. func.: lgdogf

$$\frac{2\,(135\,x^{6}-195\,x^{5}+149\,x^{4}+162\,x^{3}-4\,x^{2}-7\,x+2)}{(x-1)\,(18\,x^{2}+5\,x-1)\,(15\,x^{4}-16\,x^{3}-20\,x^{2}-2\,x+1)}$$

Sequence: A206353
Score: 7.72268
Type of gen. func.: ogf

$$\frac{15\,x^{4}-16\,x^{3}-20\,x^{2}-2\,x+1}{(x-1)\,(18\,x^{2}+5\,x-1)}$$

Sequence: A206354
Score: 4.86064
Type of gen. func.: ogf

$$-\frac{33\,x^{5}+69\,x^{4}+2\,x^{3}-22\,x^{2}+x+1}{}$$

$$(x - 1) (30 x^4 + 63 x^3 + 5 x^2 - 15 x + 1)$$

Sequence: A206371
Score: 10.2955
Type of gen. func.: lgdogf

$$- \frac{-66 x^2 + 128 x - 63}{-66 x^3 + 163 x^2 - 129 x + 32}$$

Sequence: A206371
Score: 16.2100
Type of gen. func.: ogf

$$- \frac{33 x - 32}{(x - 1) (2 x - 1)}$$

Sequence: A206371
Score: 17.8158
Type of gen. func.: lgdogf

$$- \frac{66 x^2 - 128 x + 63}{(x - 1) (2 x - 1) (33 x - 32)}$$

Sequence: A206371
Score: 8.01967
Type of gen. func.: ogf

$$-(61 f(x) + 2017) (2 f(x) x^2 - 3 f(x) x + f(x) + 33 x - 32)$$

Sequence: A206371
Score: 9.06987
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 32, a(1) = 63\}$$

Sequence: A206372
Score: 10.0566
Type of gen. func.: lgdogf

$$-\frac{-40 x^2 + 104 x - 55}{-40 x^3 + 102 x^2 - 75 x + 13}$$

Sequence: A206372
Score: 15.6198
Type of gen. func.: ogf

$$-\frac{10 x - 13}{(4 x - 1) (x - 1)}$$

Sequence: A206372
Score: 17.1766
Type of gen. func.: lgdogf

$$-\frac{40 x^2 - 104 x + 55}{(x - 1) (4 x - 1) (10 x - 13)}$$

Sequence: A206372
Score: 8.06737
Type of gen. func.: ogf

$$(171 f(x) + 802) (4 f(x) x^2 - 5 f(x) x + f(x) + 10 x - 13)$$

Sequence: A206372
Score: 8.73964
Type of gen. func.: ogf

{-a(n + 2) + 5 a(n + 1) - 4 a(n), a(0) = 13, a(1) = 55}

Sequence: A206373
Score: 10.9442
Type of gen. func.: lgdogf

$$-\frac{-24 x^2 + 40 x - 19}{-24 x^3 + 50 x^2 - 31 x + 5}$$

Sequence: A206373
Score: 17.0243
Type of gen. func.: ogf

$$-\frac{6 x - 5}{(4 x - 1) (x - 1)}$$

Sequence: A206373
Score: 19.3133
Type of gen. func.: lgdogf

$$-\frac{24 x^2 - 40 x + 19}{(6 x - 5) (x - 1) (4 x - 1)}$$

Sequence: A206373
Score: 8.4186
Type of gen. func.: ogf

$$-(55 f(x) + 86) (4 f(x) x^2 - 5 f(x) x + f(x) + 6 x - 5)$$

Sequence: A206373
Score: 9.23004
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 4 a(n), a(0) = 5, a(1) = 19\}$$

Sequence: A206374
Score: 11.0499
Type of gen. func.: lgdogf

$$-\frac{-4 x^2 + 16 x - 9}{-4 x^3 + 13 x^2 - 11 x + 2}$$

Sequence: A206374
Score: 16.4520
Type of gen. func.: ogf

$$-\frac{x - 2}{(4 x - 1) (x - 1)}$$

Sequence: A206374
Score: 20.7848
Type of gen. func.: lgdogf

$$-\frac{4 x^2 - 16 x + 9}{(x - 1) (x - 2) (4 x - 1)}$$

Sequence: A206374
Score: 8.50967
Type of gen. func.: ogf

$$(29 f(x) + 23) (4 f(x) x^2 - 5 f(x) x + f(x) + x - 2)$$

Sequence: A206374
Score: 9.02856
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - 4 a(n), a(0) = 2, a(1) = 9\}$$

Sequence: A206377
Score: 4.28775
Type of gen. func.: ogf

$$-\frac{10320 x^4 - 16640 x^3 + 8706 x^2 - 1691 x + 85}{(x - 1) (2 x - 1) (21 x - 1) (24 x^2 - 12 x + 1)}$$

Sequence: A206384
Score: 5.25053

Type of gen. func.: ogf

$$\frac{405 x^5 - 571 x^4 - 326 x^3 + 160 x^2 + 17 x - 1}{(x - 1) (486 x^3 - 151 x^2 - 20 x + 1)}$$

Sequence: A206391
Score: 3.86291
Type of gen. func.: ogf

{a(n + 5) - 6 a(n + 4) - 18 a(n + 3) + 32 a(n + 2), a(0) = 1, a(1) = 4,

a(2) = 26, a(3) = 206, a(4) = 1592}

Sequence: A206391
Score: 4.13495
Type of gen. func.: ogf

$$(596704 f(x) - 538283) (32 f(x) x^3 - 16 x^4 - 18 f(x) x^2 - 10 x^3 - 6 f(x) x + 16 x^2 + f(x) + 2 x - 1)$$

Sequence: A206391
Score: 7.16052
Type of gen. func.: ogf

$$\frac{16 x^4 + 10 x^3 - 16 x^2 - 2 x + 1}{32 x^3 - 18 x^2 - 6 x + 1}$$

Sequence: A206397
Score: 12.1664
Type of gen. func.: revegf]

$$- \frac{x^3}{3} + \ln(x + 1)$$

Sequence: A206397
Score: 31.9747
Type of gen. func.: revegf]

$$-\frac{x^3}{3} + \ln(x + 1)$$

Sequence: A206399
Score: 11.3784
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 + 39 x + 1)}{(x - 1)^3}$$

Sequence: A206399
Score: 11.5409
Type of gen. func.: lgdogf

$$-\frac{43 x^2 + 160 x + 43}{x^4 + 39 x^3 - 39 x - 1}$$

Sequence: A206399
Score: 18.4444
Type of gen. func.: lgdogf

$$-\frac{43 x^2 + 160 x + 43}{(x - 1) (x + 1) (x^2 + 39 x + 1)}$$

Sequence: A206399
Score: 5.89682
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 43, a(2) = 166,

a(3) = 371}

Sequence: A206399
Score: 6.31144
Type of gen. func.: ogf

$$(3740 f(x) - 97979)$$

$$(f(x) x^3 - 3 f(x) x^2 + x^3 + 3 f(x) x + 40 x^2 - f(x) + 40 x + 1)$$

Sequence: A206401
Score: 13.4282
Type of gen. func.: revegf]

$$\exp(x) - \exp\left(\frac{3 x^2}{2}\right)$$

Sequence: A206401
Score: 33.3153
Type of gen. func.: revegf]

$$\exp(x) - \exp\left(\frac{3 x^2}{2}\right)$$

Sequence: A206402
Score: 16.2255
Type of gen. func.: revegf]

$$\exp(x) - \exp(2 x^2)$$

Sequence: A206402
Score: 41.3153
Type of gen. func.: revegf]

$$\exp(x) - \exp(2 x^2)$$

Sequence: A206404
Score: 14.3314
Type of gen. func.: revegf]

$$-\exp(-x) + \exp(-x^2)$$

Sequence: A206404
Score: 37.5748
Type of gen. func.: revegf]

$$-\exp(-x) + \exp(-x^2)$$

Sequence: A206407
Score: 3.69427
Type of gen. func.: ogf

$$-(8141495 f(x) + 124700676) (4 f(x) x^4 + f(x) x^3 - 17 f(x) x^2 + 84 x^3 + 9 f(x) x + 27 x^2 - f(x) - 306 x + 81)$$

Sequence: A206407
Score: 7.16599
Type of gen. func.: ogf

$$-\frac{3 (28 x^3 + 9 x^2 - 102 x + 27)}{(4 x^2 - 7 x + 1) (x^2 + 2 x - 1)}$$

Sequence: A206408
Score: 3.81210
Type of gen. func.: ogf

$$-\frac{3 (170 x^5 - 689 x^4 + 298 x^3 + 1266 x^2 - 946 x + 141)}{(10 x^3 - 31 x^2 + 16 x - 1) (x^3 - x^2 - 3 x + 1)}$$

Sequence: A206417
Score: 10.4051
Type of gen. func.: lgdogf

3 2

$$-\frac{2 x + 9 x - 7}{x^4 + 3 x^3 - 2 x^2 - 5 x + 3}$$

Sequence: A206417
Score: 16.1386
Type of gen. func.: ogf

$$\frac{x (x + 3)}{(x^2 + x - 1) (x - 1)}$$

Sequence: A206417
Score: 18.5704
Type of gen. func.: lgdogf

$$-\frac{(x + 1) (2 x^2 + 7 x - 7)}{(x - 1) (x + 3) (x^2 + x - 1)}$$

Sequence: A206417
Score: 8.50313
Type of gen. func.: ogf

$$(375 f(x) + 329) (f(x) x^3 - 2 f(x) x - x^2 + f(x) - 3 x)$$

Sequence: A206417
Score: 8.50313
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n), a(0) = 0, a(1) = 3, a(2) = 7\}$$

Sequence: A206419
Score: 11.6598
Type of gen. func.: lgdogf

$$-\frac{4 x^2 - 22 x - 7}{4 x^3 - 7 x^2 - 15 x + 11}$$

Sequence: A206419
Score: 16.9828
Type of gen. func.: ogf

$$\frac{4x - 11}{x^2 + x - 1}$$

Sequence: A206419
Score: 21.9107
Type of gen. func.: lgdogf

$$-\frac{4x^2 - 22x - 7}{(4x - 11)(x^2 + x - 1)}$$

Sequence: A206419
Score: 8.40008
Type of gen. func.: ogf

$$-(29 f(x) - 270)(f(x) x^2 + f(x) x - f(x) - 4x + 11)$$

Sequence: A206419
Score: 9.41213
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 11, a(1) = 7\}$$

Sequence: A206420
Score: 11.7133
Type of gen. func.: lgdogf

$$-\frac{3x^2 - 22x - 8}{3x^3 - 8x^2 - 14x + 11}$$

Sequence: A206420
Score: 17.0607
Type of gen. func.: ogf

$$\frac{3 x - 11}{x^2 + x - 1}$$

Sequence: A206420
Score: 22.0131
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 22 x - 8}{(3 x - 11) (x^2 + x - 1)}$$

Sequence: A206420
Score: 8.43861
Type of gen. func.: ogf

$$-(15 f(x) - 133) (f(x) x^2 + f(x) x - f(x) - 3 x + 11)$$

Sequence: A206420
Score: 9.45531
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 11, a(1) = 8\}$$

Sequence: A206422
Score: 11.7133
Type of gen. func.: lgdogf

$$-\frac{2 x^2 - 22 x - 9}{2 x^3 - 9 x^2 - 13 x + 11}$$

Sequence: A206422
Score: 17.0607
Type of gen. func.: ogf

$$\frac{2x - 11}{x^2 + x - 1}$$

Sequence: A206422
Score: 22.0131
Type of gen. func.: lgdogf

$$-\frac{2x^2 - 22x - 9}{(2x - 11)(x^2 + x - 1)}$$

Sequence: A206422
Score: 8.43861
Type of gen. func.: ogf

$$-(31 f(x) - 260)(f(x) x^2 + f(x) x - f(x) - 2x + 11)$$

Sequence: A206422
Score: 9.45531
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 11, a(1) = 9\}$$

Sequence: A206423
Score: 11.6598
Type of gen. func.: lgdogf

$$-\frac{-5x^2 + 24x + 7}{-5x^3 + 7x^2 + 17x - 12}$$

Sequence: A206423
Score: 16.9828
Type of gen. func.: ogf

$$\frac{5x - 12}{}$$

$$x^2 + x - 1$$

Sequence: A206423
Score: 21.9107
Type of gen. func.: lgdogf

$$-\frac{5 x^2 - 24 x - 7}{(5 x - 12) (x^2 + x - 1)}$$

Sequence: A206423
Score: 8.85257
Type of gen. func.: ogf

$$-(31 f(x) - 323) (f(x) x^2 + f(x) x - f(x) - 5 x + 12)$$

Sequence: A206423
Score: 9.41213
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 12, a(1) = 7\}$$

Sequence: A206450
Score: 13.1179
Type of gen. func.: ogf

$$-\frac{x^3 - 4}{x^4 - 4 x + 1}$$

Sequence: A206450
Score: 15.3715
Type of gen. func.: lgdogf

$$-\frac{x^6 - 8 x^3 - 3 x^2 + 16}{(x^4 - 4 x + 1) (x^3 - 4)}$$

Sequence: A206450
Score: 7.14196
Type of gen. func.: ogf

$$(64 f(x) - 1) (f(x) x^4 + x^3 - 4 f(x) x + f(x) - 4)$$

Sequence: A206450
Score: 7.47413
Type of gen. func.: lgdogf

$$-\frac{x^6 - 8 x^3 - 3 x^2 + 16}{x^7 - 8 x^4 + x^3 + 16 x - 4}$$

Sequence: A206451
Score: 12.1159
Type of gen. func.: ogf

$$-\frac{x^4 - 5}{x^5 - 5 x + 1}$$

Sequence: A206451
Score: 13.8453
Type of gen. func.: lgdogf

$$-\frac{x^8 - 10 x^4 - 4 x^3 + 25}{(x^4 - 5) (x^5 - 5 x + 1)}$$

Sequence: A206451
Score: 6.74638
Type of gen. func.: lgdogf

$$-\frac{x^8 - 10 x^4 - 4 x^3 + 25}{x^9 - 10 x^5 + x^4 + 25 x - 5}$$

Sequence: A206451
Score: 7.32941
Type of gen. func.: ogf

$$f(x)\ (f(x)\ x^{5} + x^{4} - 5\ f(x)\ x + f(x) - 5)$$

Sequence: A206452
Score: 12.0441
Type of gen. func.: ogf

$$-\frac{x^{5} - 6}{x^{6} - 6\ x + 1}$$

Sequence: A206453
Score: 12.8388
Type of gen. func.: ogf

$$-\frac{x^{6} - 7}{x^{7} - 7\ x + 1}$$

Sequence: A206454
Score: 12.1984
Type of gen. func.: ogf

$$-\frac{x^{7} - 8}{x^{8} - 8\ x + 1}$$

Sequence: A206466
Score: 3.37205
Type of gen. func.: ogf

$$-(5341166261011\ f(x) + 294518658957360)\ (256\ f(x)\ x^{4} - 176\ f(x)\ x^{3} + 6912\ x^{3}$$

2

$+ 11 f(x) x - 4496 x - f(x) + 80 x + 121)$

Sequence: A206466
Score: 6.62220
Type of gen. func.: ogf

$$-\frac{6912 x^{3} - 4496 x^{2} + 80 x + 121}{(4 x + 1) (4 x - 1) (16 x^{2} - 11 x + 1)}$$

Sequence: A206467
Score: 3.39409
Type of gen. func.: ogf

$$-\frac{9 (186624 x^{5} - 91008 x^{4} - 14400 x^{3} + 8700 x^{2} - 490 x - 49)}{(144 x^{3} + 36 x^{2} - 6 x - 1) (144 x^{3} - 108 x^{2} + 21 x - 1)}$$

Sequence: A206481
Score: 7.63978
Type of gen. func.: ogf

$$\frac{x (x^{4} - 3 x^{3} + 10 x^{2} - 3 x + 1)}{(x^{2} + 1) (x - 1)^{4}}$$

Sequence: A206481
Score: 9.98080
Type of gen. func.: lgdogf

$$-\frac{2 x^{6} - 7 x^{5} + 37 x^{4} - 14 x^{3} + 20 x^{2} + 9 x + 1}{(x - 1) (x^{2} + 1) (x^{4} - 3 x^{3} + 10 x^{2} - 3 x + 1)}$$

Sequence: A206505
Score: 4.12221
Type of gen. func.: ogf

$$-\frac{3 (6 x^6 - 33 x^5 + 59 x^4 - 101 x^3 + 28 x^2 + 60 x - 27)}{(x - 1) (x^3 - x^2 + 4 x - 1) (2 x^3 - 7 x^2 - 4 x + 1)}$$

Sequence: A206514
Score: 3.96985
Type of gen. func.: ogf

$$\frac{8 x^6 - 18 x^5 - 80 x^4 - 182 x^3 - 157 x^2 - 84 x + 15}{(2 x^3 + 3 x^2 + 3 x - 1) (12 x^3 + 15 x^2 + 15 x - 1)}$$

Sequence: A206525
Score: 10.5479
Type of gen. func.: ogf

$$\frac{51 x^2 + 11 x + 51}{(x + 1) (x - 1)^2}$$

Sequence: A206525
Score: 5.35766
Type of gen. func.: ogf

$$-(1930 f(x) + 246701) (f(x) x^3 - f(x) x^2 - f(x) x - 51 x^2 + f(x) - 11 x - 51)$$

Sequence: A206525
Score: 5.81953
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 51, a(1) = 62, a(2) = 164\}$$

Sequence: A206525
Score: 8.33414
Type of gen. func.: lgdogf

$$-\frac{-51 x^3 - 73 x^2 - 266 x - 62}{}$$

$$-51 x^4 - 11 x^3 + 11 x + 51$$

Sequence: A206526
Score: 12.2395
Type of gen. func.: ogf

$$\frac{31 x^2 + 75 x + 31}{(x + 1) (x - 1)^2}$$

Sequence: A206526
Score: 6.36851
Type of gen. func.: ogf

$$-(539 f(x) + 1768) (f(x) x^3 - f(x) x^2 - f(x) x - 31 x^2 + f(x) - 75 x - 31)$$

Sequence: A206526
Score: 6.69510
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 31, a(1) = 106, a(2) = 168\}$$

Sequence: A206526
Score: 9.43767
Type of gen. func.: lgdogf

$$- \frac{-31 x^3 - 181 x^2 - 230 x - 106}{-31 x^4 - 75 x^3 + 75 x + 31}$$

Sequence: A206527
Score: 4.26004
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 3) - 90 a(n + 2) + 270 a(n + 1), a(0) = 11, a(1) = 33, a(2) = 99, a(3) = 2727\}$$

Sequence: A206527
Score: 4.58523
Type of gen. func.: ogf

$$-(81 f(x) - 649) (270 f(x) x^3 - 90 f(x) x^2 - 2430 x^3 - 3 f(x) x + 990 x^2 + f(x) - 11)$$

Sequence: A206527
Score: 8.11711
Type of gen. func.: ogf

$$\frac{2430 x^3 - 990 x^2 + 11}{(3 x - 1) (90 x^2 - 1)}$$

Sequence: A206529
Score: 3.94924
Type of gen. func.: ogf

$$-\frac{23529800000 x^6 - 1512630000 x^5 - 21609000 x^4 - 308700 x^3 - 4410 x^2 - 11}{(7 x - 1) (11764900000 x^6 - 1)}$$

Sequence: A206531
Score: 3.29026
Type of gen. func.: ogf

$$\{(-4 n^2 - 22 n - 30) a(n + 1) + (-4 n^2 - 30 n - 55) a(n + 2) + a(n + 3),$$
$$a(0) = 0, a(1) = 2, a(2) = 58\}$$

Sequence: A206532
Score: 3.44590
Type of gen. func.: ogf

$$\{(4 n^2 + 22 n + 30) a(n + 1) + (4 n^2 + 30 n + 55) a(n + 2) - a(n + 3), a(0) = 1,$$
$$a(1) = 11, a(2) = 331\}$$

Sequence: A206535
Score: 5.08239
Type of gen. func.: ogf

$$-\frac{3 (18 x^{7} + 111 x^{6} + 226 x^{5} + 118 x^{4} - 24 x^{3} - 148 x^{2} - 56 x + 27)}{(6 x^{2} + 3 x - 1) (3 x - 1) (x - 1)}$$

Sequence: A206543
Score: 15.5088
Type of gen. func.: ogf_with_Euler_transform]

$$x^{9} - 2 x^{4} - x + 3$$

Sequence: A206543
Score: 5.52537
Type of gen. func.: ogf

$$-\frac{x^{4} + x^{3} + x^{2} + x + 1}{(x - 1) (x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A206544
Score: 19.9343
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} - 2 x^{5} - x + 3$$

Sequence: A206544
Score: 7.31173
Type of gen. func.: ogf

$$-\frac{(x^{2} + x + 1) (x^{2} - x + 1) (x + 1)^{2}}{(x - 1) (x^{2} + 1) (x^{4} - x^{2} + 1)}$$

Sequence: A206545
Score: 24.8031
Type of gen. func.: ogf_with_Euler_transform]

$$x^{15} - 2 x^{7} - x + 3$$

Sequence: A206545
Score: 7.75901
Type of gen. func.: ogf

$$-\frac{(x^{4} + 1) (x^{2} + 1) (x + 1)^{2}}{(x - 1) (x^{8} + 1)}$$

Sequence: A206546
Score: 8.87312
Type of gen. func.: ogf

$$-\frac{x^{6} + 6 x^{5} + 5 x^{4} + 8 x^{3} + 5 x^{2} + 6 x + 1}{(x - 1) (x^{4} + 1) (x^{2} + 1)}$$

Sequence: A206547
Score: 6.10999
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 6 x^{10} + 2 x^{9} + 4 x^{8} + 2 x^{7} + 4 x^{6} + 2 x^{5} + 4 x^{4} + 2 x^{3} + 6 x^{2} + 4 x + 1) / ((x + 1) (x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2})$$

Sequence: A206548
Score: 6.67161
Type of gen. func.: ogf

```
           8      7      6      4      2
          x  + 3 x  + 3 x  + 8 x  + 3 x  + 3 x + 1
        - -------------------------------------------
                   2        2            4    2
```

$$(x - 1) (x + 1) (x - x + 1) (x - x + 1)$$

Sequence: A206555
Score: 15.9680
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^{5} + x^{4} + x}{x - 1}$$

Sequence: A206556
Score: 16.4483
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{6} - x^{5} - x}{-x + 1}$$

Sequence: A206558
Score: 15.5571
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{8} - x^{7} - x}{-x + 1}$$

Sequence: A206559
Score: 15.5489
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^{9} + x^{8} + x}{x - 1}$$

Sequence: A206564
Score: 11.7373
Type of gen. func.: lgdogf

$$- \frac{x^{2} - 28 x - 13}{{}^{3} \qquad {}^{2}}$$

$$x - 13 x - 15 x + 14$$

Sequence: A206564
Score: 17.6060
Type of gen. func.: ogf

$$\frac{x - 14}{x^2 + x - 1}$$

Sequence: A206564
Score: 8.70834
Type of gen. func.: ogf

$$-(41 f(x) - 405) (f(x) x^2 + f(x) x - f(x) - x + 14)$$

Sequence: A206564
Score: 9.64138
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 14, a(1) = 13\}$$

Sequence: A206565
Score: 10.2906
Type of gen. func.: lgdogf

$$- \frac{2 x - 37}{x^2 - 37 x + 1}$$

Sequence: A206565
Score: 15.1332
Type of gen. func.: ogf

$$\frac{1}{x^2 - 37 x + 1}$$

Sequence: A206565
Score: 21.8999
Type of gen. func.: lgdogf

$$-\frac{2x-37}{x^2-37x+1}$$

Sequence: A206565
Score: 6.05329
Type of gen. func.: ogf

$$(1367 f(x)+2)(f(x)x^2-37 f(x)x+f(x)-1)$$

Sequence: A206565
Score: 6.12536
Type of gen. func.: ogf

$$\{-a(n+2)+37a(n+1)-a(n),\ a(0)=1,\ a(1)=37\}$$

Sequence: A206568
Score: 4.86714
Type of gen. func.: ogf

$$-(4x^8+6x^7+9x^6+4x^5+5x^4+6x^3+x^2+x+1) \Big/ \Big((4x^4-3x^3+2x-1)(16x^8+12x^7+9x^6+16x^5+10x^4+6x^3+4x^2+2x+1)\Big)$$

Sequence: A206570
Score: 7.70325
Type of gen. func.: ogf

$$-\frac{x^6-2x^4+3x^2-4}{x^7-2x^5+3x^3-4x+1}$$

Sequence: A206603
Score: 13.2867
Type of gen. func.: lgdogf

$$-\frac{12 x^{2} + 4 x - 1 + (-(2 x - 1) (2 x + 1))^{1/2}}{x (2 x + 1) (2 x - 1)}$$

Sequence: A206603
Score: 3.54272
Type of gen. func.: ogf

$$\{(-8 n^{2} - 40 n - 48) a(n + 1) + (4 n^{2} + 12 n) a(n + 2) + (2 n^{2} + 16 n + 26) a(n + 3) + (-n^{2} - 6 n - 8) a(n + 4), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 4\}$$

Sequence: A206603
Score: 5.29077
Type of gen. func.: ogf

$$16 f(x)^{2} x^{4} - 32 f(x)^{2} x^{3} + 24 f(x)^{2} x^{2} - 8 f(x)^{2} x - 4 f(x) x^{2} + f(x)^{2} + 4 f(x) x + x^{2} - f(x)$$

Sequence: A206603
Score: 9.03592
Type of gen. func.: lgdogf

$$-\frac{12 x^{2} + (-4 x^{2} + 1)^{1/2} + 4 x - 1}{x (2 x + 1) (2 x - 1)}$$

Sequence: A206605
Score: 11.6334
Type of gen. func.: lgdogf

$$-\frac{3 x^{2} - 28 x - 11}{3 x^{3} - 11 x^{2} - 17 x + 14}$$

Sequence: A206605
Score: 17.4502
Type of gen. func.: ogf

$$\frac{3 x - 14}{x^2 + x - 1}$$

Sequence: A206605
Score: 8.63127
Type of gen. func.: ogf

$$-(39 f(x) - 425) (f(x) x^2 + f(x) x - f(x) - 3 x + 14)$$

Sequence: A206605
Score: 9.55605
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 14, a(1) = 11\}$$

Sequence: A206607
Score: 11.5815
Type of gen. func.: lgdogf

$$-\frac{2 x^2 - 26 x - 11}{2 x^3 - 11 x^2 - 15 x + 13}$$

Sequence: A206607
Score: 17.3723
Type of gen. func.: ogf

$$\frac{2 x - 13}{x^2 + x - 1}$$

Sequence: A206607

Score: 21.7997
Type of gen. func.: lgdogf

$$-\frac{2 x^2 - 26 x - 11}{(2 x - 13) (x^2 + x - 1)}$$

Sequence: A206607
Score: 8.59274
Type of gen. func.: ogf

$$-(37 f(x) - 360) (f(x) x^2 + f(x) x - f(x) - 2 x + 13)$$

Sequence: A206607
Score: 9.51339
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 13, a(1) = 11\}$$

Sequence: A206608
Score: 11.5296
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 26 x - 10}{3 x^3 - 10 x^2 - 16 x + 13}$$

Sequence: A206608
Score: 17.2944
Type of gen. func.: ogf

$$\frac{3 x - 13}{x^2 + x - 1}$$

Sequence: A206608
Score: 21.7002
Type of gen. func.: lgdogf

$$-\frac{3x^2 - 26x - 10}{(3x - 13)(x^2 + x - 1)}$$

Sequence: A206608
Score: 8.74221
Type of gen. func.: ogf

$$-(9 f(x) - 92) (f(x) x^2 + f(x) x - f(x) - 3 x + 13)$$

Sequence: A206608
Score: 9.47073
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 13, a(1) = 10\}$$

Sequence: A206609
Score: 11.7668
Type of gen. func.: lgdogf

$$-\frac{4x^2 - 26x - 9}{4x^3 - 9x^2 - 17x + 13}$$

Sequence: A206609
Score: 17.1386
Type of gen. func.: ogf

$$\frac{4x - 13}{x^2 + x - 1}$$

Sequence: A206609
Score: 22.1154
Type of gen. func.: lgdogf

$$-\frac{4x^2 - 26x - 9}{\quad{}^2}$$

$$(4 x - 13) (x + x - 1)$$

Sequence: A206609
Score: 8.47714
Type of gen. func.: ogf

$$-(35 f(x) - 374) (f(x) x^{2} + f(x) x - f(x) - 4 x + 13)$$

Sequence: A206609
Score: 9.49848
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 13, a(1) = 9\}$$

Sequence: A206610
Score: 11.7133
Type of gen. func.: lgdogf

$$- \frac{5 x^{2} - 26 x - 8}{5 x^{3} - 8 x^{2} - 18 x + 13}$$

Sequence: A206610
Score: 17.0607
Type of gen. func.: ogf

$$\frac{5 x - 13}{x^{2} + x - 1}$$

Sequence: A206610
Score: 22.0131
Type of gen. func.: lgdogf

$$- \frac{5 x^{2} - 26 x - 8}{(5 x - 13) (x^{2} + x - 1)}$$

Sequence: A206610
Score: 8.43861
Type of gen. func.: ogf

$$-(17 f(x) - 189) (f(x) x^2 + f(x) x - f(x) - 5 x + 13)$$

Sequence: A206610
Score: 9.45531
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 13, a(1) = 8\}$$

Sequence: A206611
Score: 11.7133
Type of gen. func.: lgdogf

$$-\frac{6 x^2 - 26 x - 7}{6 x^3 - 7 x^2 - 19 x + 13}$$

Sequence: A206611
Score: 17.0607
Type of gen. func.: ogf

$$\frac{6 x - 13}{x^2 + x - 1}$$

Sequence: A206611
Score: 22.0131
Type of gen. func.: lgdogf

$$-\frac{6 x^2 - 26 x - 7}{(6 x - 13) (x^2 + x - 1)}$$

Sequence: A206611
Score: 8.43861

Type of gen. func.: ogf

$$-(33 f(x) - 380) (f(x) x^2 + f(x) x - f(x) - 6 x + 13)$$

Sequence: A206611
Score: 9.45531
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 13, a(1) = 7\}$$

Sequence: A206612
Score: 11.6598
Type of gen. func.: lgdogf

$$-\frac{7 x^2 - 26 x - 6}{7 x^3 - 6 x^2 - 20 x + 13}$$

Sequence: A206612
Score: 16.9828
Type of gen. func.: ogf

$$\frac{7 x - 13}{x^2 + x - 1}$$

Sequence: A206612
Score: 21.9107
Type of gen. func.: lgdogf

$$-\frac{7 x^2 - 26 x - 6}{(7 x - 13) (x^2 + x - 1)}$$

Sequence: A206612
Score: 8.58469
Type of gen. func.: ogf

2

$$-(8 f(x) - 95) (f(x) x + f(x) x - f(x) - 7 x + 13)$$

Sequence: A206612
Score: 9.41213
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 13, a(1) = 6\}$$

Sequence: A206614
Score: 3.15476
Type of gen. func.: ogf

$$-(60923336469484 f(x) + 51536160945417) (42 f(x) x^4 - 36 f(x) x^3 - 42 x^4 + 5 f(x) x^2 + 99 x^3 - 7 f(x) x - 48 x^2 + f(x) + 12 x - 14)$$

Sequence: A206614
Score: 6.24093
Type of gen. func.: ogf

$$\frac{42 x^4 - 99 x^3 + 48 x^2 - 12 x + 14}{42 x^4 - 36 x^3 + 5 x^2 - 7 x + 1}$$

Sequence: A206622
Score: 9.30578
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^4 + 7 x^3 + 12 x^2 + 7 x + 2}{x^6 - 3 x^4 + 3 x^2 - 1}$$

Sequence: A206623
Score: 6.90596
Type of gen. func.: ogf_with_Euler_transform]

```
        6       5       4       3       2
     2 x  + 15 x  + 46 x  + 60 x  + 46 x  + 15 x + 2
   - -----------------------------------------------
                8      6      4      2
```

$$-x + 4 x - 6 x + 4 x - 1$$

Sequence: A206625
Score: 7.31120
Type of gen. func.: ogf

$$-\frac{x (x - 1) (x^2 - x + 1) (x + 1)^3}{x^8 - 2 x^6 - 2 x^4 - 2 x^2 + 1}$$

Sequence: A206628
Score: 3.99732
Type of gen. func.: ogf

{a(n + 4) - 8 a(n + 3) - 8 a(n + 2) - 6 a(n + 1), a(0) = 14, a(1) = 121,

a(2) = 1085, a(3) = 9729}

Sequence: A206628
Score: 4.4033
Type of gen. func.: ogf

$$(10321 f(x) - 23438)$$

$$(6 f(x) x^3 + 8 f(x) x^2 - 3 x^3 + 8 f(x) x + 5 x^2 - f(x) + 9 x + 14)$$

Sequence: A206628
Score: 7.36081
Type of gen. func.: lgdogf

$$\frac{54 x^4 + 156 x^3 + 275 x^2 + 234 x + 121}{(3 x^3 - 5 x^2 - 9 x - 14) (6 x^3 + 8 x^2 + 8 x - 1)}$$

Sequence: A206628
Score: 8.05174
Type of gen. func.: ogf

$$\frac{3 x^3 - 5 x^2 - 9 x - 14}{}$$

$$6x^3 + 8x^2 + 8x - 1$$

Sequence: A206629
Score: 5.23893
Type of gen. func.: ogf

$$-\frac{216x^4 + 44x^3 + 596x^2 + 328x + 121}{48x^5 + 8x^4 + 132x^3 + 68x^2 + 24x - 1}$$

Sequence: A206641
Score: 11.8203
Type of gen. func.: lgdogf

$$-\frac{5x^2 - 28x - 9}{5x^3 - 9x^2 - 19x + 14}$$

Sequence: A206641
Score: 17.2165
Type of gen. func.: ogf

$$\frac{5x - 14}{x^2 + x - 1}$$

Sequence: A206641
Score: 8.51567
Type of gen. func.: ogf

$$-(37 f(x) - 437) (f(x) x^2 + f(x) x - f(x) - 5x + 14)$$

Sequence: A206641
Score: 9.54166
Type of gen. func.: ogf

$$\{-a(n+2) + a(n+1) + a(n), a(0) = 14, a(1) = 9\}$$

Sequence: A206661
Score: 3.99455
Type of gen. func.: ogf

$$-\frac{3\,(56x^6 - 126x^5 - 202x^4 + 352x^3 - 21x^2 - 102x + 27)}{(x-1)\,(8x^6 - 14x^5 - 42x^4 + 29x^3 + 10x^2 - 8x + 1)}$$

Sequence: A206678
Score: 4.34323
Type of gen. func.: ogf

$$-(857477\,f(x) - 46597776)$$

$$(8\,f(x)\,x^4 + 4\,f(x)\,x^3 + 16\,f(x)\,x^2 + 132x^3 + 108x^2 - f(x) + 306x + 81)$$

Sequence: A206678
Score: 7.66768
Type of gen. func.: ogf

$$-\frac{3\,(44x^3 + 36x^2 + 102x + 27)}{8x^4 + 4x^3 + 16x^2 - 1}$$

Sequence: A206679
Score: 4.80053
Type of gen. func.: ogf

$$\frac{18\,(2x^5 - 14x^4 - 35x^3 - 35x^2 - 45x - 17)}{6x^5 + 12x^4 + 11x^3 + 13x^2 + 3x - 1}$$

Sequence: A206687
Score: 11.0562
Type of gen. func.: lgdogf

$$\frac{2\,(4x^4 + 4x^3 + 2x^2 + 3x + 2)}{{}^{2}}$$

$$(x - 1) (2 x + 1) (x + 1) (4 x + 2 x - 1)$$

Sequence: A206687
Score: 11.2698
Type of gen. func.: ogf

$$\frac{(x - 1) (2 x + 1) (x + 1)}{4 x^2 + 2 x - 1}$$

Sequence: A206687
Score: 5.92637
Type of gen. func.: ogf

{-a(n + 4) + 2 a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 4, a(2) = 11, a(3) = 36}

Sequence: A206687
Score: 6.24962
Type of gen. func.: ogf

$$-(1680 f(x) + 781) (4 f(x) x^2 - 2 x^3 + 2 f(x) x - x^2 - f(x) + 2 x + 1)$$

Sequence: A206687
Score: 7.47238
Type of gen. func.: lgdogf

$$- \frac{8 x^4 + 8 x^3 + 4 x^2 + 6 x + 4}{-8 x^5 - 8 x^4 + 8 x^3 + 9 x^2 - 1}$$

Sequence: A206694
Score: 5.66874
Type of gen. func.: ogf

$$- \frac{x^5 - 3 x^4 - 9 x^3 + 26 x^2 - 9}{(x^3 + 3 x^2 - 1) (x^3 - 6 x^2 + 9 x - 1)}$$

Sequence: A206723
Score: 10.0725
Type of gen. func.: ogf

$$(1755 f(x) - 4907) (f(x) x^3 - 4 f(x) x^2 + 4 f(x) x - f(x) + 7 x + 7)$$

Sequence: A206723
Score: 15.2486
Type of gen. func.: lgdogf

$$- \frac{-2 x^3 + x^2 + 8 x - 5}{-x^4 + 3 x^3 - 3 x + 1}$$

Sequence: A206723
Score: 20.7151
Type of gen. func.: ogf

$$- \frac{7 (x + 1)}{(x - 1) (x^2 - 3 x + 1)}$$

Sequence: A206723
Score: 25.8076
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - x^2 - 8 x + 5}{(x - 1) (x + 1) (x^2 - 3 x + 1)}$$

Sequence: A206723
Score: 9.54696
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 7, a(1) = 35, a(2) = 112\}$$

Sequence: A206727
Score: 9.02959

Type of gen. func.: lgdogf

$$-\frac{x^8 - 4x^6 + 10x^4 + 4x^3 - 12x^2 - 4x + 9}{(x^4 - 2x^2 + 3)(x^5 - 2x^3 + 3x - 1)}$$

Sequence: A206727
Score: 9.92468
Type of gen. func.: ogf

$$-\frac{x^4 - 2x^2 + 3}{x^5 - 2x^3 + 3x - 1}$$

Sequence: A206739
Score: 6.89145
Type of gen. func.: ogf

$$(x^{20} - x^{16} - x^9 - x^4 + 1) / ((x - 1)(x^{19} + x^{18} + x^{17} + 2x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + 2x^9 + x^8 + x^7 + x^6 + x^5 + x^4 - 1))$$

Sequence: A206741
Score: 3.91194
Type of gen. func.: ogf

$$\frac{x^{12} - x^{11} - x^{10} - x^9 + x^8 - x^7 - x^6 + x^5 - x^4 + x^3 + x^2 + x - 1}{2x^{12} - x^{10} - 2x^9 + 2x^8 - x^7 - 2x^6 + x^5 - 2x^4 + x^2 + 2x - 1}$$

Sequence: A206742
Score: 4.57341
Type of gen. func.: ogf

$$-(x - 1)(x^{14} + 2x^{13} + 2x^{12} + 2x^{11} + x^{10} + 2x^9 + 2x^8 + 2x^7 + x^6 + x^5 + x^4 - x^2 - x - 1) / ($$

$$x^{16} - x^{15} - x^{14} - x^{12} + x^{11} - x^{10} - x^{8} + x^{7} - x^{5} + x^{4} + x^{3} + x - 1)$$

Sequence: A206743
Score: 6.84631
Type of gen. func.: ogf

$$(x^{14} - x^{12} - x^{5} - x^{2} + 1) \Big/ ((x - 1) (x^{13} + 2 x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + 2 x^{5} + x^{4} + x^{3} + x^{2} - 1))$$

Sequence: A206745
Score: 4.98946
Type of gen. func.: ogf

$$- \frac{32 (126 x^{4} - 126 x^{3} - 45 x^{2} + 61 x - 8)}{(x - 1) (14 x^{2} - 11 x + 1) (6 x^{2} + 3 x - 1)}$$

Sequence: A206754
Score: 5.72378
Type of gen. func.: ogf

$$\frac{6 x^{5} - 19 x^{4} + 23 x^{3} - 49 x^{2} - 8 x - 14}{12 x^{5} - 2 x^{4} + 34 x^{3} + 5 x^{2} + 7 x - 1}$$

Sequence: A206776
Score: 11.3015
Type of gen. func.: lgdogf

$$- \frac{6 x^{2} - 8 x - 3}{6 x^{3} + 5 x^{2} - 9 x + 2}$$

Sequence: A206776
Score: 16.0733
Type of gen. func.: ogf

$$\frac{3 x - 2}{2 x^2 + 3 x - 1}$$

Sequence: A206776
Score: 7.94832
Type of gen. func.: ogf

$$-(17 f(x) - 25) (2 f(x) x^2 + 3 f(x) x - f(x) - 3 x + 2)$$

Sequence: A206776
Score: 8.82071
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) + 2 a(n), a(0) = 2, a(1) = 3\}$$

Sequence: A206780
Score: 3.29148
Type of gen. func.: ogf

$$- (2 x^{10} - 5 x^9 - 13 x^8 + 34 x^7 + 21 x^6 - 76 x^5 + 8 x^4 + 61 x^3 - 43 x^2 + 7) / ((x + 1) (x^2 - 3 x + 1) (2 x^2 + 3 x - 1) (x^2 + x - 1) (x^2 - x - 1) (x - 1)^2)$$

Sequence: A206790
Score: 10.9467
Type of gen. func.: ogf

$$- \frac{x^2 + 4}{x^3 - x^2 + 4 x - 1}$$

Sequence: A206790
Score: 14.2191
Type of gen. func.: lgdogf

$$-\frac{x^4 + 8 x^2 - 6 x + 16}{(x^3 - x^2 + 4 x - 1) (x^2 + 4)}$$

Sequence: A206790
Score: 5.47336
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + a(n + 1) - a(n), a(0) = 4, a(1) = 16, a(2) = 61\}$$

Sequence: A206790
Score: 5.72443
Type of gen. func.: ogf

$$(71 f(x) + 73) (f(x) x^3 - f(x) x^2 + 4 f(x) x + x^2 - f(x) + 4)$$

Sequence: A206790
Score: 6.93292
Type of gen. func.: lgdogf

$$-\frac{-x^4 - 8 x^2 + 6 x - 16}{-x^5 + x^4 - 8 x^3 + 5 x^2 - 16 x + 4}$$

Sequence: A206791
Score: 4.46960
Type of gen. func.: ogf

$$-\frac{x^5 + 4 x^4 - 9 x^3 - 57 x^2 - 16 x - 16}{(x^3 + 7 x^2 + 14 x - 1) (x^3 - 4 x^2 + x - 1)}$$

Sequence: A206806
Score: 17.6321
Type of gen. func.: lgdogf

3   2

$$-\frac{2\,(5\,x + 6\,x + 7\,x + 2)}{(x-1)\,(x+1)\,(2\,x^2 + x + 1)}$$

Sequence: A206806
Score: 8.88199
Type of gen. func.: ogf

$$-\frac{2\,x^2 + x + 1}{(x+1)^2\,(x-1)^5}$$

Sequence: A206806
Score: 9.95211
Type of gen. func.: lgdogf

$$-\frac{10\,x^3 + 12\,x^2 + 14\,x + 4}{2\,x^4 + x^3 - x^2 - x - 1}$$

Sequence: A206808
Score: 10.5425
Type of gen. func.: lgdogf

$$-\frac{3\,x^2 + 42\,x + 45}{x^3 + 9\,x^2 - 3\,x - 7}$$

Sequence: A206808
Score: 19.4806
Type of gen. func.: lgdogf

$$-\frac{3\,(x^2 + 14\,x + 15)}{(x-1)\,(x^2 + 10\,x + 7)}$$

Sequence: A206808
Score: 8.69756

Type of gen. func.: ogf

$$-\frac{x^2 + 10x + 7}{(x-1)^5}$$

Sequence: A206809
Score: 10.5621
Type of gen. func.: lgdogf

$$-\frac{4x^2 + 52x + 52}{x^3 + 9x^2 - 3x - 7}$$

Sequence: A206809
Score: 19.5247
Type of gen. func.: lgdogf

$$-\frac{4(x^2 + 13x + 13)}{(x-1)(x^2 + 10x + 7)}$$

Sequence: A206809
Score: 7.83258
Type of gen. func.: ogf

$$\frac{x^2 + 10x + 7}{(x-1)^6}$$

Sequence: A206810
Score: 12.1342
Type of gen. func.: lgdogf

$$-\frac{3x^3 + 103x^2 + 325x + 145}{(x-1)(x^3 + 25x^2 + 55x + 15)}$$

Sequence: A206810
Score: 6.63074
Type of gen. func.: ogf

$$\frac{x^3 + 25 x^2 + 55 x + 15}{(x - 1)^6}$$

Sequence: A206810
Score: 7.29381
Type of gen. func.: lgdogf

$$- \frac{3 x^3 + 103 x^2 + 325 x + 145}{x^4 + 24 x^3 + 30 x^2 - 40 x - 15}$$

Sequence: A206811
Score: 12.7879
Type of gen. func.: lgdogf

$$- \frac{4 (x^3 + 32 x^2 + 95 x + 40)}{(x - 1) (x^3 + 25 x^2 + 55 x + 15)}$$

Sequence: A206811
Score: 3.38122
Type of gen. func.: ogf

$$\{(-8 n^2 - 85 n - 225) a(n + 1) + (-56 n^2 - 784 n - 2592) a(n + 2)$$

$$+ (64 n^2 + 437 n + 735) a(n + 3), a(0) = 15, a(1) = 160, a(2) = 830\}$$

Sequence: A206811
Score: 6.04237
Type of gen. func.: ogf

$$- \frac{x^3 + 25 x^2 + 55 x + 15}{^{7}}$$

$$(x - 1)$$

Sequence: A206811
Score: 7.25084
Type of gen. func.: lgdogf

$$- \frac{4 x^3 + 128 x^2 + 380 x + 160}{x^4 + 24 x^3 + 30 x^2 - 40 x - 15}$$

Sequence: A206839
Score: 11.2117
Type of gen. func.: lgdogf

$$- \frac{-4 x^3 + 6 x^2 - 4}{-x^4 + 2 x^3 - 4 x + 1}$$

Sequence: A206839
Score: 18.5950
Type of gen. func.: ogf

$$- \frac{1}{x^4 - 2 x^3 + 4 x - 1}$$

Sequence: A206839
Score: 7.40189
Type of gen. func.: ogf

$$-(4 f(x) - 1) (f(x) x^4 - 2 f(x) x^3 + 4 f(x) x - f(x) + 1)$$

Sequence: A206839
Score: 8.77937
Type of gen. func.: lgdogf

$$- \frac{x^6 - 4 x^5 + 4 x^4 + 8 x^3 - 13 x^2 - 4 x + 16}{}$$

3 2 4 3

$$(x - 2 x + 4) (x - 2 x + 4 x - 1)$$

Sequence: A206857
Score: 5.33182
Type of gen. func.: ogf

$$- \frac{x^5 + 3 x^4 - 4 x^3 - 22 x^2 - 9 x - 9}{(x^3 - 3 x^2 + x - 1) (x^3 + 5 x^2 + 7 x - 1)}$$

Sequence: A206866
Score: 6.15236
Type of gen. func.: ogf

$$- \frac{x^5 + 9 x^4 + 11 x^3 - 15 x^2 - 21 x - 7}{x^6 + 2 x^5 - 4 x^4 - 8 x^3 - 4 x + 1}$$

Sequence: A206872
Score: 3.76413
Type of gen. func.: ogf

$$- \frac{4 x^8 + 2 x^7 + 3 x^6 - 26 x^5 - 29 x^4 - 12 x^3 + 15 x^2 + 28 x + 7}{(x - 1) (4 x^8 + 2 x^7 + 7 x^6 - 24 x^5 - 23 x^4 - 36 x^3 - 9 x^2 - 2 x + 1)}$$

Sequence: A206901
Score: 10.6417
Type of gen. func.: lgdogf

$$- \frac{12 x^4 - 30 x^3 + 31 x^2 - 12 x + 2}{(x - 1) (4 x - 1) (3 x^3 - 10 x^2 + 7 x - 1)}$$

Sequence: A206901
Score: 11.5332
Type of gen. func.: ogf

$$-\frac{(4 x - 1) (x - 1)}{3 x^3 - 10 x^2 + 7 x - 1}$$

Sequence: A206901
Score: 6.27247
Type of gen. func.: ogf

$$(43 f(x) + 83) (3 f(x) x^3 - 10 f(x) x^2 + 7 f(x) x + 4 x^2 - f(x) - 5 x + 1)$$

Sequence: A206901
Score: 6.32797
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) - 10 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 2, a(2) = 8\}$$

Sequence: A206901
Score: 6.81010
Type of gen. func.: lgdogf

$$-\frac{-12 x^4 + 30 x^3 - 31 x^2 + 12 x - 2}{-12 x^5 + 55 x^4 - 81 x^3 + 49 x^2 - 12 x + 1}$$

Sequence: A206902
Score: 10.6830
Type of gen. func.: ogf

$$\frac{x^3 - 3 x^2 + 4 x - 1}{3 x^3 - 7 x^2 + 6 x - 1}$$

Sequence: A206902
Score: 11.4960
Type of gen. func.: lgdogf

$$\frac{2 (x - 1) (x^3 - 5 x^2 + 3 x - 1)}{\quad^3 \quad^2 \qquad\qquad \quad^3 \quad^2}$$

$(x - 3 x + 4 x - 1) (3 x - 7 x + 6 x - 1)$

Sequence: A206902
Score: 5.54229
Type of gen. func.: ogf

$\{a(n + 4) - 6 a(n + 3) + 7 a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 8, a(3) = 36\}$

Sequence: A206902
Score: 5.99287
Type of gen. func.: ogf

$$-(3 + 5 f(x)) (3 f(x) x^3 - 7 f(x) x^2 - x^3 + 6 f(x) x + 3 x^2 - f(x) - 4 x + 1)$$

Sequence: A206902
Score: 6.64076
Type of gen. func.: lgdogf

$$- \frac{-2 x^4 + 12 x^3 - 16 x^2 + 8 x - 2}{3 x^6 - 16 x^5 + 39 x^4 - 50 x^3 + 34 x^2 - 10 x + 1}$$

Sequence: A206905
Score: 9.29704
Type of gen. func.: ogf

$$\frac{x^5 + 9 x^4 + 9 x^3 + 9 x^2 + 9 x + 9}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A206909
Score: 4.52385
Type of gen. func.: ogf

$$(2 x^{22} + x^{20} - x^{19} - x^{17} + x^{16} + x^{14} - x^{13} - x^{11} + x^{10} + x^8 - x^7 - x^4 + x^3 + x + 1) / ((x^2 + 1)$$

$$\Big/ \; (x^{20} - x^{18} + x^{16} - x^{14} + x^{12} - x^{10} + x^{8} - x^{6} + x^{4} - x^{2} + 1)\,(x - 1)^{2})$$

Sequence: A206910
Score: 4.36119
Type of gen. func.: ogf

$$(x^{23} + x^{22} - x^{20} + x^{19} + x^{17} - x^{16} - x^{14} + x^{13} + x^{11} - x^{10} - x^{8} + x^{7} + x^{4} - x^{3} + 2) \Big/ ((x^{2} + 1)\,(x^{20} - x^{18} + x^{16} - x^{14} + x^{12} - x^{10} + x^{8} - x^{6} + x^{4} - x^{2} + 1)\,(x - 1)^{2})$$

Sequence: A206917
Score: 10.4721
Type of gen. func.: lgdogf

$$-\frac{24 x^{2} + 24 x + 3}{32 x^{4} + 24 x^{3} + 4 x^{2} - 3 x - 1}$$

Sequence: A206917
Score: 15.0166
Type of gen. func.: ogf

$$-\frac{x\,(4 x^{2} + 3 x + 1)}{8 x^{2} - 1}$$

Sequence: A206917
Score: 8.29043
Type of gen. func.: ogf

$$\{a(n + 4) - 8\, a(n + 2),\ a(0) = 0,\ a(1) = 1,\ a(2) = 3,\ a(3) = 12\}$$

Sequence: A206917
Score: 9.70586

Type of gen. func.: ogf

$$(176 f(x) + 45) (8 f(x) x^2 + 4 x^3 + 3 x^2 - f(x) + x)$$

Sequence: A206918
Score: 11.7078
Type of gen. func.: ogf

$$\frac{x (4 x^2 + 3 x + 1)}{(x - 1) (8 x^2 - 1)}$$

Sequence: A206918
Score: 5.76523
Type of gen. func.: ogf

{a(n + 4) - a(n + 3) - 8 a(n + 2) + 8 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 4,

a(3) = 16}

Sequence: A206918
Score: 6.85594
Type of gen. func.: ogf

$$-f(x) (8 f(x) x^3 - 8 f(x) x^2 - 4 x^3 - f(x) x - 3 x^2 + f(x) - x)$$

Sequence: A206918
Score: 7.53475
Type of gen. func.: lgdogf

$$-\frac{-32 x^4 - 48 x^3 - 4 x^2 + 24 x + 4}{-32 x^5 + 8 x^4 + 20 x^3 + 7 x^2 - 2 x - 1}$$

Sequence: A206927
Score: 7.93614
Type of gen. func.: ogf

6   5   4   2

```
                             2 x  - x  - x  - x  - 2
             - ----------------------------------------------------
                                           2            2
               (x - 1) (2 x - 1) (x + 1) (x  + x + 1) (x  - x + 1)
```

Sequence: A206931
Score: 4.99053
Type of gen. func.: ogf

```
                  7    6      5      4       3       2
                 x  + x  - 8 x  - 8 x  + 28 x  - 20 x  + 7 x + 7
          - ----------------------------------------------------------
                              2              2             2
            (x - 1) (x + 1) (x  - 3 x + 1) (x  + x - 1) (x  + 2 x - 1)
```

Sequence: A206947
Score: 10.1196
Type of gen. func.: ogf

```
                                     3
                                2 x  (x - 1)
                       - -------------------------------
                             2                2
                         (x  - 3 x + 1) (5 x  - 5 x + 1)
```

Sequence: A206947
Score: 11.5354
Type of gen. func.: lgdogf

```
                            4       3       2
                        15 x  - 60 x  + 81 x  - 42 x + 7
                   - ----------------------------------------
                                 2                2
                     (x - 1) (x  - 3 x + 1) (5 x  - 5 x + 1)
```

Sequence: A206947
Score: 5.8414
Type of gen. func.: ogf

```
                 4            3      4            2      3
   f(x) (5 f(x) x  - 20 f(x) x  + 2 x  + 21 f(x) x  - 2 x  - 8 f(x) x + f(x))
```

Sequence: A206947
Score: 6.97566
Type of gen. func.: lgdogf

$$-\frac{-15 x^4 + 60 x^3 - 81 x^2 + 42 x - 7}{-5 x^5 + 25 x^4 - 41 x^3 + 29 x^2 - 9 x + 1}$$

Sequence: A206948
Score: 6.55282
Type of gen. func.: ogf

$$-\frac{x^3 (2 x^2 - 3 x + 2)}{(x^3 - 4 x^2 + 5 x - 1) (6 x^2 - 6 x + 1)}$$

Sequence: A206949
Score: 10.8159
Type of gen. func.: ogf

$$-\frac{3 x^3 (x - 1)}{(3 x - 1) (3 x^3 - 9 x^2 + 6 x - 1)}$$

Sequence: A206949
Score: 11.5854
Type of gen. func.: lgdogf

$$-\frac{27 x^4 - 96 x^3 + 117 x^2 - 54 x + 8}{(x - 1) (3 x - 1) (3 x^3 - 9 x^2 + 6 x - 1)}$$

Sequence: A206949
Score: 6.24333
Type of gen. func.: ogf

$$f(x) (9 f(x) x^4 - 30 f(x) x^3 + 3 x^4 + 27 f(x) x^2 - 3 x^3 - 9 f(x) x + f(x))$$

Sequence: A206949
Score: 7.31363
Type of gen. func.: lgdogf

$$-\frac{27 x^4 - 96 x^3 + 117 x^2 - 54 x + 8}{9 x^5 - 39 x^4 + 57 x^3 - 36 x^2 + 10 x - 1}$$

Sequence: A206950
Score: 6.97424
Type of gen. func.: ogf

$$-\frac{x^3 (3 x^3 - 7 x^2 + 6 x - 3)}{(3 x^3 - 7 x^2 + 6 x - 1) (3 x^3 - 10 x^2 + 7 x - 1)}$$

Sequence: A206958
Score: 4.47930
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{15} + x^{14} - x^{13} - x^{12} - x^{10} + x^8 + 2 x^7 + x^6 - x^4 - x^2 - x + 1}{-x^{16} + 1}$$

Sequence: A206959
Score: 4.37593
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{15} - x^{14} + x^{12} + x^{10} - x^9 - x^8 + 2 x^7 - x^6 - x^5 + x^4 + x^2 - 1}{-x^{16} + 1}$$

Sequence: A206981
Score: 11.4004
Type of gen. func.: ogf

$$-\frac{4 (x^2 - 2 x - 1)}{(x^2 - 3 x + 1) (x + 1)}$$

Sequence: A206981
Score: 12.6341
Type of gen. func.: lgdogf

$$-\frac{x^4 - 4 x^3 + 3 x^2 + 2 x + 4}{(x + 1) (x^2 - 3 x + 1) (x^2 - 2 x - 1)}$$

Sequence: A206981
Score: 5.74729
Type of gen. func.: ogf

$$-(1091 f(x) + 1336) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + 4 x^2 + f(x) - 8 x - 4)$$

Sequence: A206981
Score: 6.10019
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 4, a(1) = 16, a(2) = 36\}$$

Sequence: A206981
Score: 7.55893
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 4 x^3 - 3 x^2 - 2 x - 4}{-x^5 + 4 x^4 - x^3 - 7 x^2 + 1}$$

Sequence: A206982
Score: 6.23693
Type of gen. func.: ogf

$$\frac{2 (x - 1) (8 x^5 + 8 x^4 - 2 x^3 - 5 x^2 - 15 x - 3)}{2 x^5 + x^4 - 2 x^3 - x^2 - 2 x + 1}$$

Sequence: A206989
Score: 4.43404
Type of gen. func.: ogf

$$\frac{(x-1)\,(x^{7}-x^{6}-3x^{5}-13x^{4}+23x^{3}+27x^{2}+35x+7)}{x^{7}-3x^{6}+x^{5}-5x^{4}+11x^{3}+5x^{2}+3x-1}$$

Sequence: A207008
Score: 4.89599
Type of gen. func.: ogf

$$-(f(x)+16)$$

$$(2 f(x) x^{4}+2 f(x) x^{3}-2 f(x) x^{2}+4x^{3}+3 f(x) x+2x^{2}-f(x)+3)$$

Sequence: A207008
Score: 8.71663
Type of gen. func.: lgdogf

$$-\frac{8x^{6}+8x^{5}+12x^{4}+24x^{2}-8x+9}{(4x^{3}+2x^{2}+3)\,(2x^{4}+2x^{3}-2x^{2}+3x-1)}$$

Sequence: A207008
Score: 9.25544
Type of gen. func.: ogf

$$-\frac{4x^{3}+2x^{2}+3}{2x^{4}+2x^{3}-2x^{2}+3x-1}$$

Sequence: A207020
Score: 10.7506
Type of gen. func.: ogf

$$-\frac{9\,(2x^{2}-5x-1)}{(x-1)^{4}}$$

Sequence: A207020
Score: 11.7429
Type of gen. func.: lgdogf

$$-\frac{-4 x^2 + 11 x + 9}{-2 x^3 + 7 x^2 - 4 x - 1}$$

Sequence: A207020
Score: 20.8043
Type of gen. func.: lgdogf

$$-\frac{4 x^2 - 11 x - 9}{(x - 1) (2 x^2 - 5 x - 1)}$$

Sequence: A207020
Score: 3.77866
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (-3 - 4 n) a(n + 3) + (25 + 7 n) a(n + 2)$$

$$+ (-6 - 2 n) a(n + 1), a(0) = 9, a(1) = 81, a(2) = 252, a(3) = 558\}$$

Sequence: A207020
Score: 5.4134
Type of gen. func.: ogf

$$(49408 f(x) + 3070695)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + 18 x^2 + f(x) - 45 x - 9)$$

Sequence: A207021
Score: 14.7117
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 15 x^2 + 18 x + 13}{(x - 1) (2 x^3 - 7 x^2 + 8 x + 1)}$$

Sequence: A207021
Score: 3.74866
Type of gen. func.: ogf

$$\{(-59 n^2 - 539 n - 1086) a(n + 1) + (102 n^2 + 687 n + 927) a(n + 2) + (-43 n^2 - 212 n - 249) a(n + 3), a(0) = 13, a(1) = 169, a(2) = 624\}$$

Sequence: A207021
Score: 7.98627
Type of gen. func.: ogf

$$-\frac{13 (2 x^3 - 7 x^2 + 8 x + 1)}{(x - 1)^5}$$

Sequence: A207021
Score: 8.74687
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 + 15 x^2 - 18 x - 13}{-2 x^4 + 9 x^3 - 15 x^2 + 7 x + 1}$$

Sequence: A207022
Score: 14.2295
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 9 x^2 + 42 x + 18}{(x - 1) (2 x^3 - 5 x^2 + 13 x + 1)}$$

Sequence: A207022
Score: 7.72664
Type of gen. func.: ogf

$$-\frac{18 (2 x^3 - 5 x^2 + 13 x + 1)}{(x - 1)^5}$$

Sequence: A207022
Score: 8.46251
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 + 9 x^2 - 42 x - 18}{-2 x^4 + 7 x^3 - 18 x^2 + 12 x + 1}$$

Sequence: A207023
Score: 10.6118
Type of gen. func.: lgdogf

$$-\frac{4 x^4 - 13 x^3 + 35 x^2 - 67 x - 25}{(x - 1) (2 x^4 - 7 x^3 + 14 x^2 - 19 x - 1)}$$

Sequence: A207023
Score: 6.27762
Type of gen. func.: ogf

$$-\frac{25 (2 x^4 - 7 x^3 + 14 x^2 - 19 x - 1)}{(x - 1)^6}$$

Sequence: A207023
Score: 6.82616
Type of gen. func.: lgdogf

$$-\frac{-4 x^4 + 13 x^3 - 35 x^2 + 67 x + 25}{-2 x^5 + 9 x^4 - 21 x^3 + 33 x^2 - 18 x - 1}$$

Sequence: A207025
Score: 4.71601
Type of gen. func.: ogf

9   8   7   6   5   4   3

$$-\frac{x - x + x - x + 3 x - 3 x + 3 x - 8 x - 4}{(x - 1) (x^3 + x^2 - 1) (x^3 - x - 1) (x^3 - x^2 + 2 x - 1)}$$

Sequence: A207042
Score: 7.44038
Type of gen. func.: ogf

$$\frac{3 (96 x^5 - 208 x^4 - 316 x^3 - 250 x^2 - 90 x - 27)}{16 x^3 - 1}$$

Sequence: A207043
Score: 3.74775
Type of gen. func.: ogf

$$(-18853224738 + 710453797 f(x)) (2 f(x) x^4 - 8 f(x) x^3 - 60 x^4 - f(x) x^2 + 264 x^3 - 2 f(x) x - 60 x^2 + f(x) + 12 x - 81)$$

Sequence: A207043
Score: 6.96010
Type of gen. func.: ogf

$$\frac{3 (20 x^4 - 88 x^3 + 20 x^2 - 4 x + 27)}{2 x^4 - 8 x^3 - x^2 - 2 x + 1}$$

Sequence: A207044
Score: 5.98983
Type of gen. func.: ogf

$$\frac{6 (x^6 + 3 x^5 - 10 x^4 - 18 x^3 + 42 x^2 + 45 x + 25)}{x^5 + x^4 - 5 x^3 - 2 x^2 + 1}$$

Sequence: A207045
Score: 4.95474

Type of gen. func.: ogf

$$- 3 (2 x^{10} + 24 x^{9} + 80 x^{8} + 48 x^{7} + 4 x^{6} - 48 x^{5} - 185 x^{4} - 164 x^{3} + 250 x^{2} + 184 x + 147) / (x^{4} + 4 x^{3} - 1)$$

Sequence: A207046
Score: 4.63840
Type of gen. func.: ogf

$$- 6 (4 x^{11} + 24 x^{10} + 56 x^{9} + 68 x^{8} + 53 x^{7} + 28 x^{6} - 42 x^{5} - 220 x^{4} - 570 x^{3} + 212 x^{2} + 197 x + 236) / (4 x^{3} - 1)$$

Sequence: A207047
Score: 4.12462
Type of gen. func.: ogf

$$- 3 (32 x^{12} + 192 x^{11} + 368 x^{10} + 304 x^{9} + 274 x^{8} + 144 x^{7} + 40 x^{6} - 264 x^{5} - 1344 x^{4} - 4692 x^{3} + 698 x^{2} + 748 x + 1457) / (4 x^{3} - 1)$$

Sequence: A207048
Score: 3.82654
Type of gen. func.: ogf

$$- 6 (16 x^{13} + 192 x^{12} + 656 x^{11} + 512 x^{10} + 324 x^{9} + 208 x^{8} + 32 x^{7} - 24 x^{6} - 320 x^{5} - 1884 x^{4} - 8118 x^{3} + 568 x^{2} + 787 x + 2231) / (4 x^{3} - 1)$$

Sequence: A207058
Score: 6.62339
Type of gen. func.: ogf

$$\frac{x (95 x^{5} + 73 x^{4} + 95 x^{3} - 425 x^{2} - 219 x - 145)}{{}^{6} \qquad {}^{3}}$$

$$(x - 1) (x - 6 x + 1)$$

Sequence: A207059
Score: 5.23038
Type of gen. func.: ogf

$$(85 x^9 + 48 x^8 + 23 x^7 + 48 x^6 + 85 x^5 - 391 x^4 - 176 x^3 - 69 x^2 - 112 x - 119) / ((x - 1) (x^{10} - 6 x^5 + 1))$$

Sequence: A207060
Score: 6.62647
Type of gen. func.: ogf

$$\frac{x (161 x^5 + 79 x^4 + 161 x^3 - 707 x^2 - 237 x - 259)}{(x - 1) (x^6 - 6 x^3 + 1)}$$

Sequence: A207061
Score: 6.77256
Type of gen. func.: ogf

$$\frac{x (76 x^5 + 281 x^4 + 76 x^3 - 364 x^2 - 843 x - 92)}{(x - 1) (x^6 - 6 x^3 + 1)}$$

Sequence: A207064
Score: 11.0275
Type of gen. func.: lgdogf

$$- \frac{-9 x^2 + 10 x + 9}{-3 x^3 + 7 x^2 - 3 x - 1}$$

Sequence: A207064
Score: 19.5222
Type of gen. func.: lgdogf

$$-\frac{9x^2-10x-9}{(x-1)(3x^2-4x-1)}$$

Sequence: A207064
Score: 3.67582
Type of gen. func.: ogf

$\{(-n-4)\,a(n+4) - 3\,n\,a(n+3) + (24+7\,n)\,a(n+2) + (-12-3\,n)\,a(n+1),$

$a(0) = 9,\ a(1) = 81,\ a(2) = 288,\ a(3) = 720\}$

Sequence: A207064
Score: 8.84920
Type of gen. func.: ogf

$$\frac{9(3x^2-4x-1)}{(x-1)^5}$$

Sequence: A207065
Score: 12.9410
Type of gen. func.: lgdogf

$$-\frac{2(3x^3+13x^2-15x-7)}{(x-1)(2x^3+5x^2-8x-1)}$$

Sequence: A207065
Score: 6.66792
Type of gen. func.: ogf

$$-\frac{14(2x^3+5x^2-8x-1)}{(x-1)^6}$$

Sequence: A207065
Score: 8.01738

Type of gen. func.: lgdogf

$$-\frac{-6x^3 - 26x^2 + 30x + 14}{-2x^4 - 3x^3 + 13x^2 - 7x - 1}$$

Sequence: A207066
Score: 10.5153
Type of gen. func.: lgdogf

$$-\frac{6x^4 - 24x^3 - 59x^2 + 70x + 21}{(x - 1)(2x^4 - 8x^3 - 7x^2 + 14x + 1)}$$

Sequence: A207066
Score: 5.58386
Type of gen. func.: ogf

$$-\frac{21(2x^4 - 8x^3 - 7x^2 + 14x + 1)}{(x - 1)^7}$$

Sequence: A207067
Score: 10.0618
Type of gen. func.: lgdogf

$$-\frac{44x^4 - 91x^3 - 117x^2 + 149x + 31}{(x - 1)(11x^4 - 27x^3 - 6x^2 + 23x + 1)}$$

Sequence: A207067
Score: 5.32239
Type of gen. func.: ogf

$$\frac{31(11x^4 - 27x^3 - 6x^2 + 23x + 1)}{(x - 1)^8}$$

Sequence: A207069
Score: 4.69177
Type of gen. func.: ogf

$$-\frac{x^9 + x^8 - x^7 - 3x^6 - 3x^5 - x^4 + 7x^3 + 4x^2 - 4x - 4}{(x - 1)(x^3 - x^2 - 1)(x^3 + x - 1)(x^3 + 2x^2 + x - 1)}$$

Sequence: A207075
Score: 6.68612
Type of gen. func.: ogf

$$\frac{x(180x^5 + 119x^4 + 180x^3 - 800x^2 - 357x - 280)}{(x - 1)(x^6 - 6x^3 + 1)}$$

Sequence: A207076
Score: 6.65705
Type of gen. func.: ogf

$$\frac{x(135x^5 + 217x^4 + 135x^3 - 625x^2 - 651x - 185)}{(x - 1)(x^6 - 6x^3 + 1)}$$

Sequence: A207083
Score: 5.60764
Type of gen. func.: ogf

$$-\frac{x^5 - 3x^4 - 14x^3 + 18x^2 - 7x - 7}{(x - 1)(x^2 + 2x - 1)(x^3 - 5x^2 - 3x + 1)}$$

Sequence: A207089
Score: 3.34206
Type of gen. func.: ogf

```
         8       7       6        5       4       3       2
     64 x  + 32 x  - 40 x  - 119 x  - 77 x  + 36 x  + 66 x  + 35 x + 7
 - -----------------------------------------------------------------------
       9       8      7        6      5       4       3       2
```

$$64 x - 32 x - 8 x - 111 x + 6 x + 29 x + 48 x + 11 x + 2 x - 1$$

Sequence: A207094
Score: 8.44001
Type of gen. func.: ogf

$$-\frac{x^8 + x^5 - 2 x^3 - 3}{(x - 1) (x^8 + x^7 + x^6 + 2 x^5 + 2 x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A207101
Score: 4.22430
Type of gen. func.: ogf

$$- (x^{11} - 3 x^9 - 2 x^8 + 4 x^7 + 18 x^6 + 32 x^5 + 42 x^4 + 46 x^3 + 44 x^2 + 26 x + 8) \Big/ ((x^2 + x + 1)^2 (x + 1)^3 (x - 1)^5)$$

Sequence: A207106
Score: 11.1705
Type of gen. func.: ogf

$$-\frac{2 (5 x^2 - 6 x - 3)}{(x - 1)^4}$$

Sequence: A207106
Score: 11.8374
Type of gen. func.: lgdogf

$$-\frac{-10 x^2 + 8 x + 18}{-5 x^3 + 11 x^2 - 3 x - 3}$$

Sequence: A207106
Score: 21.6209
Type of gen. func.: lgdogf

$$-\frac{2 (x + 1) (5 x - 9)}{(x - 1) (5 x^2 - 6 x - 3)}$$

Sequence: A207106
Score: 3.88779
Type of gen. func.: ogf

$$\{(-12 - 3 n) a(n + 4) + (9 - 3 n) a(n + 3) + (30 + 11 n) a(n + 2) + (-15 - 5 n) a(n + 1), a(0) = 6, a(1) = 36, a(2) = 98, a(3) = 200\}$$

Sequence: A207106
Score: 5.74717
Type of gen. func.: ogf

$$(1106 f(x) + 98821) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + 10 x^2 + f(x) - 12 x - 6)$$

Sequence: A207107
Score: 11.7353
Type of gen. func.: lgdogf

$$-\frac{x^4 + 20 x^3 - 108 x^2 + 56 x + 81}{(x - 1) (x^4 + 8 x^3 - 44 x^2 + 36 x + 9)}$$

Sequence: A207107
Score: 7.52533
Type of gen. func.: ogf

$$-\frac{x^4 + 8 x^3 - 44 x^2 + 36 x + 9}{(x - 1)^5}$$

Sequence: A207108
Score: 6.16357
Type of gen. func.: ogf

$$-\frac{3 x^5 - 7 x^4 - 48 x^3 + 142 x^2 - 91 x - 13}{(x - 1)^6}$$

Sequence: A207108
Score: 8.62685
Type of gen. func.: lgdogf

$$-\frac{3 x^5 + x^4 - 172 x^3 + 424 x^2 - 171 x - 169}{(x - 1) (3 x^5 - 7 x^4 - 48 x^3 + 142 x^2 - 91 x - 13)}$$

Sequence: A207109
Score: 5.17296
Type of gen. func.: ogf

$$-\frac{2 (3 x^6 - 18 x^5 + 17 x^4 + 90 x^3 - 193 x^2 + 99 x + 9)}{(x - 1)^7}$$

Sequence: A207109
Score: 7.14692
Type of gen. func.: lgdogf

$$-\frac{3 x^6 - 18 x^5 - 39 x^4 + 428 x^3 - 695 x^2 + 208 x + 162}{(x - 1) (3 x^6 - 18 x^5 + 17 x^4 + 90 x^3 - 193 x^2 + 99 x + 9)}$$

Sequence: A207110
Score: 4.12418
Type of gen. func.: ogf

$$-\frac{9 x^7 - 79 x^6 + 269 x^5 - 249 x^4 - 419 x^3 + 901 x^2 - 425 x - 25}{(x - 1)^8}$$

Sequence: A207141
Score: 3.34755
Type of gen. func.: ogf

$$(3383786484 f(x) - 182215822121)$$

$$(4 f(x) x^3 + 4 x^4 - 4 f(x) x^2 - 41 x^3 - f(x) x + 91 x^2 + f(x) + 2 x - 50)$$

Sequence: A207141
Score: 6.27665
Type of gen. func.: ogf

$$-\frac{4 x^4 - 41 x^3 + 91 x^2 + 2 x - 50}{(x - 1) (2 x + 1) (2 x - 1)}$$

Sequence: A207142
Score: 7.32501
Type of gen. func.: ogf

$$\frac{x^7 - x^6 - x^5 - 3 x^4 + 22 x^3 - 50 x^2 - 20 x + 50}{(x - 1) (2 x^2 - 1)}$$

Sequence: A207143
Score: 6.83496
Type of gen. func.: ogf

$$\frac{x^8 - x^7 + x^6 - x^5 - x^4 + 3 x^3 - 52 x^2 + 18 x + 30}{(x - 1) (2 x^2 - 1)}$$

Sequence: A207144
Score: 6.39061
Type of gen. func.: ogf

$$\frac{x^9 - x^8 + x^7 - x^6 + x^5 - x^4 + x^3 - 59 x^2 - 24 x + 80}{(x - 1) (2 x^2 - 1)}$$

Sequence: A207145
Score: 5.88135
Type of gen. func.: ogf

$$(4 x^{10} - 4 x^{9} + 4 x^{8} - 4 x^{7} + 4 x^{6} - 4 x^{5} - 2 x^{4} + 14 x^{3} - 109 x^{2} + 33 x + 62) / ((x - 1) (2 x^{2} - 1))$$

Sequence: A207146
Score: 5.23916
Type of gen. func.: ogf

$$(4 x^{11} - 4 x^{10} + 4 x^{9} - 4 x^{8} + 4 x^{7} - 4 x^{6} - 2 x^{5} + 2 x^{4} + 5 x^{3} - 117 x^{2} - 49 x + 159) / ((x - 1) (2 x^{2} - 1))$$

Sequence: A207147
Score: 4.72442
Type of gen. func.: ogf

$$(16 x^{12} - 16 x^{11} + 16 x^{10} - 16 x^{9} + 16 x^{8} - 16 x^{7} - 8 x^{6} + 8 x^{5} - 2 x^{4} + 26 x^{3} - 213 x^{2} + 65 x + 122) / ((x - 1) (2 x^{2} - 1))$$

Sequence: A207148
Score: 4.22651
Type of gen. func.: ogf

$$(16 x^{13} - 16 x^{12} + 16 x^{11} - 16 x^{10} + 16 x^{9} - 16 x^{8} - 8 x^{7} + 8 x^{6} - 2 x^{5} + 2 x^{4} + 9 x^{3} - 229 x^{2} - 97 x + 315) / ((x - 1) (2 x^{2} - 1))$$

Sequence: A207165
Score: 18.6884
Type of gen. func.: lgdogf

$$-\frac{x^3+x^2+13x+9}{(x-1)(x^3-x^2+5x+1)}$$

Sequence: A207165
Score: 3.95249
Type of gen. func.: ogf

$$\{(n^2-7n-18)\,a(n+1)+(22n^2+200n+366)\,a(n+2)$$
$$+(-23n^2-121n-156)\,a(n+3),\ a(0)=9,\ a(1)=81,\ a(2)=261\}$$

Sequence: A207165
Score: 5.34581
Type of gen. func.: ogf

$$(2f(x)+25)\,($$
$$f(x)\,x^4-4f(x)\,x^3+6f(x)\,x^2-9x^3-4f(x)\,x+9x^2+f(x)-45x-9)$$

Sequence: A207165
Score: 9.17368
Type of gen. func.: lgdogf

$$-\frac{-x^3-x^2-13x-9}{-x^4+2x^3-6x^2+4x+1}$$

Sequence: A207165
Score: 9.52651
Type of gen. func.: ogf

$$\frac{9(x^3-x^2+5x+1)}{(x-1)^4}$$

Sequence: A207166
Score: 15.2348

Type of gen. func.: lgdogf

$$-\frac{8x^3 - 9x^2 + 18x + 13}{(x - 1)(4x^3 - 7x^2 + 8x + 1)}$$

Sequence: A207166
Score: 3.67061
Type of gen. func.: ogf

$$\{(-220n^2 - 2144n - 4452)a(n + 1) + (597n^2 + 4674n + 7181)a(n + 2)$$
$$+ (-377n^2 - 1902n - 2313)a(n + 3), a(0) = 13, a(1) = 169, a(2) = 624\}$$

Sequence: A207166
Score: 8.09928
Type of gen. func.: ogf

$$-\frac{13(4x^3 - 7x^2 + 8x + 1)}{(x - 1)^5}$$

Sequence: A207166
Score: 8.87064
Type of gen. func.: lgdogf

$$-\frac{-8x^3 + 9x^2 - 18x - 13}{-4x^4 + 11x^3 - 15x^2 + 7x + 1}$$

Sequence: A207167
Score: 13.4714
Type of gen. func.: lgdogf

$$-\frac{4x^3 + 27x^2 - 42x - 19}{(x - 1)(2x^3 + 7x^2 - 14x - 1)}$$

Sequence: A207167
Score: 7.53384
Type of gen. func.: ogf

$$\frac{19 (2 x^3 + 7 x^2 - 14 x - 1)}{(x - 1)^5}$$

Sequence: A207167
Score: 8.24291
Type of gen. func.: lgdogf

$$- \frac{-4 x^3 - 27 x^2 + 42 x + 19}{-2 x^4 - 5 x^3 + 21 x^2 - 13 x - 1}$$

Sequence: A207168
Score: 12.5831
Type of gen. func.: lgdogf

$$- \frac{x^4 + 2 x^3 + 15 x^2 + 104 x + 28}{(x - 1) (x^4 - x^3 + 6 x^2 + 23 x + 1)}$$

Sequence: A207168
Score: 7.16376
Type of gen. func.: lgdogf

$$- \frac{x^4 + 2 x^3 + 15 x^2 + 104 x + 28}{x^5 - 2 x^4 + 7 x^3 + 17 x^2 - 22 x - 1}$$

Sequence: A207168
Score: 7.16376
Type of gen. func.: ogf

$$- \frac{28 (x^4 - x^3 + 6 x^2 + 23 x + 1)}{{}^{5}}$$

$(x - 1)$

Sequence: A207170
Score: 6.19343
Type of gen. func.: ogf

$$-\frac{5x^{6}+9x^{5}-17x^{3}-16x^{2}-12x-4}{(x^{3}-x^{2}-1)(x^{3}+2x^{2}+x-1)}$$

Sequence: A207171
Score: 4.05788
Type of gen. func.: ogf

$$-(16x^{10}+120x^{9}+28x^{8}-134x^{7}-203x^{6}-36x^{5}+27x^{4}+117x^{3}+54x^{2}+30x+6)\Big/(8x^{9}-8x^{7}-12x^{6}+2x^{5}+2x^{4}+9x^{3}+x-1)$$

Sequence: A207172
Score: 3.70441
Type of gen. func.: ogf

$$-(324x^{10}+837x^{9}-54x^{8}-828x^{7}-819x^{6}-60x^{5}+153x^{4}+331x^{3}+104x^{2}+56x+8)\Big/(27x^{9}-18x^{7}-27x^{6}+3x^{5}+3x^{4}+13x^{3}+x-1)$$

Sequence: A207173
Score: 3.55598
Type of gen. func.: ogf

$$-(2304x^{10}+3392x^{9}-800x^{8}-3216x^{7}-2284x^{6}-20x^{5}+544x^{4}+721x^{3}+170x^{2}+90x+10)\Big/((8x^{3}+2x-1)(8x^{6}-6x^{4}-5x^{3}+2x^{2}+x+1))$$

Sequence: A207177
Score: 4.21228
Type of gen. func.: ogf

$$-\frac{x^7 + 3x^6 + 4x^5 - 2x^4 - 25x^3 - 31x^2 - 21x - 7}{x^8 + 2x^7 + x^6 - 6x^5 - 23x^4 - 12x^3 - 2x^2 - 4x + 1}$$

Sequence: A207249
Score: 5.45912
Type of gen. func.: ogf

$$-\frac{2(3x^7 + 3x^5 - 21x^4 - 11x^3 - 3x^2 - 12x - 3)}{x^8 - 8x^5 - 7x^4 - 4x^2 - 2x + 1}$$

Sequence: A207250
Score: 3.37508
Type of gen. func.: ogf

$$-\frac{4(2x^9 - 4x^8 - 6x^7 - 10x^6 + 10x^5 + 38x^4 + 11x^3 + 8x^2 + 12x + 2)}{x^{10} - 2x^9 - 4x^8 - 4x^7 + 8x^6 + 27x^5 + 13x^4 + 2x^3 + 7x^2 + 2x - 1}$$

Sequence: A207255
Score: 3.56474
Type of gen. func.: ogf

$$\{(-427n^2 - 2675n - 4182)\,a(n+1) + (1052n^2 + 6976n + 13584)\,a(n+2)$$

$$+ (-625n^2 - 3509n - 4902)\,a(n+3),\ a(0) = 10,\ a(1) = 100,\ a(2) = 370\}$$

Sequence: A207255
Score: 8.03045
Type of gen. func.: ogf

$$10(x^3 + 3x^2 - 5x - 1)$$

$$\frac{}{(x-1)^5}$$

Sequence: A207255
Score: 8.80447
Type of gen. func.: lgdogf

$$-\frac{-2x^3-12x^2+14x+10}{-x^4-2x^3+8x^2-4x-1}$$

Sequence: A207256
Score: 6.27542
Type of gen. func.: ogf

$$\frac{16(x^4-6x^3-4x^2+10x+1)}{(x-1)^6}$$

Sequence: A207256
Score: 6.83461
Type of gen. func.: lgdogf

$$-\frac{-2x^4+14x^3+34x^2-42x-16}{-x^5+7x^4-2x^3-14x^2+9x+1}$$

Sequence: A207257
Score: 5.11271
Type of gen. func.: ogf

$$-\frac{26(x^5+7x^4-28x^3+2x^2+19x+1)}{(x-1)^7}$$

Sequence: A207258
Score: 4.25817
Type of gen. func.: ogf

$$-\frac{42 (x^6 - 14 x^5 - 15 x^4 + 96 x^3 - 35 x^2 - 34 x - 1)}{(x - 1)^8}$$

Sequence: A207262
Score: 11.7689
Type of gen. func.: lgdogf

$$-\frac{-64 x^2 + 32 x - 13}{-64 x^3 + 84 x^2 - 21 x + 1}$$

Sequence: A207262
Score: 17.1630
Type of gen. func.: ogf

$$-\frac{5 (4 x - 1)}{(16 x - 1) (x - 1)}$$

Sequence: A207262
Score: 8.58152
Type of gen. func.: ogf

$$-(189 f(x) - 100) (16 f(x) x^2 - 17 f(x) x + f(x) + 20 x - 5)$$

Sequence: A207262
Score: 9.69207
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1) + 16 a(n), a(0) = 5, a(1) = 65\}$$

Sequence: A207276
Score: 7.17624
Type of gen. func.: ogf

$$-\frac{2 (x + 1) (x^3 + x^2 + 2)}{}$$

$$x^5 + 3 x^4 + x^3 + 2 x^2 + 3 x - 1$$

Sequence: A207302
Score: 7.49160
Type of gen. func.: lgdogf

$$-\frac{-3 x^4 + 168 x^2 - 316 x - 169}{-3 x^5 + 9 x^4 + 44 x^3 - 154 x^2 + 91 x + 13}$$

Sequence: A207302
Score: 7.49160
Type of gen. func.: ogf

$$-\frac{3 x^4 - 6 x^3 - 50 x^2 + 104 x + 13}{(x - 1)^5}$$

Sequence: A207303
Score: 5.88570
Type of gen. func.: ogf

$$-\frac{5 x^5 - 53 x^4 + 76 x^3 + 206 x^2 - 247 x - 19}{(x - 1)^6}$$

Sequence: A207304
Score: 5.73310
Type of gen. func.: ogf

$$-\frac{2 (2 x^5 - 46 x^4 + 209 x^3 - 30 x^2 - 308 x - 14)}{(x - 1)^6}$$

Sequence: A207306
Score: 4.49089
Type of gen. func.: ogf

$$-\frac{2x^8+26x^7+38x^6-x^5-56x^4-101x^3-56x^2-30x-6}{2x^7+2x^6-x^5-4x^4-6x^3-x^2-x+1}$$

Sequence: A207318
Score: 3.50775
Type of gen. func.: ogf

$$\{(8n^2+32n+32)a(n+1)+(-15n^2-67n-76)a(n+2)$$
$$+(6n^2+29n+35)a(n+3)+(n^2+6n+9)a(n+4), a(0)=0,$$
$$a(1)=1, a(2)=-1, a(3)=9\}$$

Sequence: A207322
Score: 3.62057
Type of gen. func.: ogf

$$\{(-9n^2-54n-81)a(n+1)+(-n^2-16n-42)a(n+2)$$
$$+(9n^2+62n+107)a(n+3)+(n^2+8n+16)a(n+4), a(0)=0,$$
$$a(1)=-3, a(2)=12, a(3)=-81\}$$

Sequence: A207347
Score: 6.86718
Type of gen. func.: ogf

$$\frac{6(x+1)(x^5-x^4+4x^3-x^2+3x+1)}{(x^3+x-1)(x^3+x^2+x-1)}$$

Sequence: A207361
Score: 6.83065
Type of gen. func.: ogf

$$\frac{x(2x^2+5x+1)}{(x-1)^6}$$

Sequence: A207361
Score: 9.52152
Type of gen. func.: lgdogf

$$-\frac{8 x^2 + 29 x + 11}{2 x^3 + 3 x^2 - 4 x - 1}$$

Sequence: A207363
Score: 5.61596
Type of gen. func.: ogf

$$-\frac{x^7 - 2 x^6 - 2 x^5 + 6 x^4 + 9 x^3 + 6 x^2 + 24 x + 6}{(x + 1)^3 (x - 1)^5}$$

Sequence: A207388
Score: 6.17541
Type of gen. func.: ogf

$$-\frac{2 (x^5 - 6 x^4 - 6 x^3 + 66 x^2 - 56 x - 7)}{(x - 1)^6}$$

Sequence: A207389
Score: 5.07074
Type of gen. func.: ogf

$$-\frac{3 x^6 - 36 x^5 + 139 x^4 - 62 x^3 - 339 x^2 + 294 x + 21}{(x - 1)^7}$$

Sequence: A207390
Score: 4.35101
Type of gen. func.: ogf

$$3 x^7 - 45 x^6 + 341 x^5 - 961 x^4 + 677 x^3 + 705 x^2 - 713 x - 31$$

$$- \frac{\qquad}{(x-1)^8}$$

Sequence: A207399
Score: 7.42558
Type of gen. func.: ogf

$$- \frac{x^4 + 4 x^3 - 26 x^2 + 36 x + 9}{(x - 1)^5}$$

Sequence: A207400
Score: 6.51896
Type of gen. func.: ogf

$$- \frac{2 (x^5 - 15 x^3 + 36 x^2 - 36 x - 6)}{(x - 1)^6}$$

Sequence: A207401
Score: 5.07074
Type of gen. func.: ogf

$$- \frac{4 (x^6 - 3 x^5 - 3 x^4 + 25 x^3 - 40 x^2 + 36 x + 4)}{(x - 1)^7}$$

Sequence: A207402
Score: 4.32325
Type of gen. func.: ogf

$$- \frac{2 (3 x^7 - 14 x^6 + 14 x^5 + 42 x^4 - 135 x^3 + 150 x^2 - 120 x - 10)}{(x - 1)^8}$$

Sequence: A207410
Score: 2.35636
Type of gen. func.: ogf

$$f(x)^2 \left(x^4 + 9 f(x) x^2 + 4 f(x) x - f(x)\right)$$

Sequence: A207436
Score: 5.90385
Type of gen. func.: ogf

$$-\frac{5 x^6 - 6 x^5 - 24 x^4 + 7 x^3 + 20 x^2 - 4}{(x - 1) (x + 1) (x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A207437
Score: 3.62203
Type of gen. func.: ogf

$$-\frac{22 x^9 - 87 x^8 - 64 x^7 + 321 x^6 + 23 x^5 - 286 x^4 + 3 x^3 + 78 x^2 - 6}{(x - 1) (2 x - 1) (x + 1) (x^2 - 4 x + 1) (x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A207449
Score: 10.5179
Type of gen. func.: ogf

$$-\frac{10 (x^2 - 6 x - 1)}{(x - 1)^4}$$

Sequence: A207449
Score: 11.4741
Type of gen. func.: lgdogf

$$-\frac{-2 x^2 + 16 x + 10}{-x^3 + 7 x^2 - 5 x - 1}$$

Sequence: A207449
Score: 3.71221

Type of gen. func.: ogf

$$\{(-n - 4)\, a(n + 4) + (-5 - 5\, n)\, a(n + 3) + (30 + 7\, n)\, a(n + 2) + (-3 - n)\, a(n + 1),\ a(0) = 10,\ a(1) = 100,\ a(2) = 330,\ a(3) = 760\}$$

Sequence: A207449
Score: 5.37085
Type of gen. func.: ogf

$$(10908\, f(x) + 564475)\,(f(x)\, x^4 - 4\, f(x)\, x^3 + 6\, f(x)\, x^2 - 4\, f(x)\, x + 10\, x^2 + f(x) - 60\, x - 10)$$

Sequence: A207450
Score: 10.0174
Type of gen. func.: ogf

$$\frac{16\,(5\, x^2 + 12\, x + 1)}{(x - 1)^4}$$

Sequence: A207450
Score: 10.7540
Type of gen. func.: lgdogf

$$-\frac{10\, x^2 + 46\, x + 16}{5\, x^3 + 7\, x^2 - 11\, x - 1}$$

Sequence: A207450
Score: 3.49890
Type of gen. func.: ogf

$$\{(n + 4)\, a(n + 4) + (17 + 11\, n)\, a(n + 3) + (-60 - 7\, n)\, a(n + 2) + (-15 - 5\, n)\, a(n + 1),\ a(0) = 16,\ a(1) = 256,\ a(2) = 1008,\ a(3) = 2560\}$$

Sequence: A207450
Score: 4.90785
Type of gen. func.: ogf

$$(23379759 f(x) + 3160380464)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 80 x^2 + f(x) - 192 x - 16)$$

Sequence: A207451
Score: 3.75314
Type of gen. func.: ogf

$$\{(-8 n^2 - 7 n + 51) a(n + 1) + (70 n^2 + 550 n + 1262) a(n + 2)$$

$$+ (-62 n^2 - 327 n - 423) a(n + 3), a(0) = 26, a(1) = 676, a(2) = 3354\}$$

Sequence: A207451
Score: 7.66598
Type of gen. func.: ogf

$$\frac{26 (7 x^3 - 9 x^2 - 21 x - 1)}{(x - 1)^5}$$

Sequence: A207451
Score: 8.28278
Type of gen. func.: lgdogf

$$- \frac{-14 x^3 + 6 x^2 + 102 x + 26}{-7 x^4 + 16 x^3 + 12 x^2 - 20 x - 1}$$

Sequence: A207452
Score: 3.40729
Type of gen. func.: ogf

$$\{(-1114 n^2 - 7471 n - 12387) a(n + 1) + (952 n^2 + 1540 n - 1442) a(n + 2)$$

$$+ (162 n^2 + 827 n + 1023) a(n + 3), a(0) = 42, a(1) = 1764, a(2) = 10710\}$$

Sequence: A207452
Score: 7.34698
Type of gen. func.: ogf

$$-\frac{42\,(3x^3+55x^2+37x+1)}{(x-1)^5}$$

Sequence: A207452
Score: 8.01489
Type of gen. func.: lgdogf

$$-\frac{6x^3+174x^2+258x+42}{3x^4+52x^3-18x^2-36x-1}$$

Sequence: A207454
Score: 4.43198
Type of gen. func.: ogf

$$-(23 f(x)+890)\,(4 f(x) x^4-2 f(x) x^3-7 f(x) x^2+24x^3-f(x)\,x-12x^2 + f(x)-30x-6)$$

Sequence: A207454
Score: 8.14375
Type of gen. func.: ogf

$$-\frac{6\,(4x^3-2x^2-5x-1)}{(4x^2+2x-1)\,(x^2-x-1)}$$

Sequence: A207455
Score: 4.27005
Type of gen. func.: ogf

$$-(1523 f(x)+37704)\,(9 f(x) x^4-3 f(x) x^3-10 f(x) x^2+72x^3-f(x)\,x - 24x^2+f(x)-56x-8)$$

Sequence: A207455
Score: 8.01291
Type of gen. func.: ogf

$$-\frac{8\,(9\,x^{3}-3\,x^{2}-7\,x-1)}{9\,x^{4}-3\,x^{3}-10\,x^{2}-x+1}$$

Sequence: A207456
Score: 3.79577
Type of gen. func.: ogf

$$-(729\,f(x)+21350)\,(16\,f(x)\,x^{4}-4\,f(x)\,x^{3}-13\,f(x)\,x^{2}+160\,x^{3}-f(x)\,x$$
$$-40\,x^{2}+f(x)-90\,x-10)$$

Sequence: A207456
Score: 6.95890
Type of gen. func.: ogf

$$-\frac{10\,(16\,x^{3}-4\,x^{2}-9\,x-1)}{16\,x^{4}-4\,x^{3}-13\,x^{2}-x+1}$$

Sequence: A207457
Score: 3.87837
Type of gen. func.: ogf

$$-(5661\,f(x)+210950)\,(25\,f(x)\,x^{4}-5\,f(x)\,x^{3}-16\,f(x)\,x^{2}+300\,x^{3}-f(x)\,x$$
$$-60\,x^{2}+f(x)-132\,x-12)$$

Sequence: A207457
Score: 7.16358
Type of gen. func.: ogf

$$-\frac{12\,(25\,x^{3}-5\,x^{2}-11\,x-1)}{}$$

$$25 x^4 - 5 x^3 - 16 x^2 - x + 1$$

Sequence: A207458
Score: 3.59116
Type of gen. func.: ogf

$$-(473575 f(x) + 22425186) (36 f(x) x^4 - 6 f(x) x^3 - 19 f(x) x^2 + 504 x^3$$

$$- f(x) x - 84 x^2 + f(x) - 182 x - 14)$$

Sequence: A207458
Score: 6.80207
Type of gen. func.: ogf

$$- \frac{14 (36 x^3 - 6 x^2 - 13 x - 1)}{(4 x^2 - 2 x - 1) (9 x^2 + 3 x - 1)}$$

Sequence: A207481
Score: 28.3162
Type of gen. func.: ogf_with_Euler_transform]

$$-x^7 + x^6 + 2$$

Sequence: A207481
Score: 8.15959
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + 1) (x^2 + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A207483
Score: 3.70339
Type of gen. func.: ogf

$$- (82 x^9 - 131 x^8 - 401 x^7 + 365 x^6 + 425 x^5 - 307 x^4 - 131 x^3 + 92 x^2 + 6 x$$

$$- 6) \Big/ ((x - 1) (2 x - 1) (x + 1) (x^2 - 3 x + 1) (3 x^2 + x - 1) (x^2 + x - 1))$$

Sequence: A207493
Score: 14.5175
Type of gen. func.: revegf]

$$- \frac{x^2}{2} + 2 x + 1 - \exp(x)$$

Sequence: A207495
Score: 4.62057
Type of gen. func.: ogf

$$- \frac{11 x^7 + 19 x^6 - 72 x^5 - 119 x^4 + 57 x^3 + 66 x^2 - 6 x - 6}{(x - 1) (x^2 + 2 x - 1) (x^4 - 5 x^2 - 2 x + 1)}$$

Sequence: A207509
Score: 4.19928
Type of gen. func.: ogf

$$\frac{2 (2 x^{10} - 6 x^9 + 12 x^8 - 16 x^7 - 6 x^6 - 15 x^5 - 7 x^4 + 5 x^3 + 12 x + 3)}{(x - 1) (x^3 + x - 1) (x^6 - x^5 - x^4 - 3 x^3 - x^2 + 1)}$$

Sequence: A207539
Score: 3.77799
Type of gen. func.: ogf

$$\frac{10 x^{11} + 9 x^{10} + 8 x^9 + 7 x^8 + 6 x^7 + 5 x^6 + 4 x^5 + 3 x^4 + 2 x^3 + x^2 - 1}{x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A207539
Score: 4.97869
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-11x^{15}-11x^{14}+28x^{13}+5x^{12}-11x^{11}-4x^{3}+2x^{2}+2x-1}{11x^{15}-11x^{14}-6x^{13}+6x^{12}+4x^{3}-2x^{2}-2x+1}$$

Sequence: A207541
Score: 11.8313
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4x^{3}+4x^{2}-10x+4}{x^{4}-1}$$

Sequence: A207559
Score: 3.65046
Type of gen. func.: ogf

$$-\frac{45x^{9}-120x^{8}-160x^{7}+440x^{6}+128x^{5}-384x^{4}-11x^{3}+88x^{2}-6}{(x-1)(3x-1)(x+1)(x^{2}-3x+1)(x^{2}+x-1)(x^{2}-x-1)}$$

Sequence: A207590
Score: 11.1602
Type of gen. func.: ogf

$$\frac{6(4x^{3}-x^{2}-5x-1)}{3x^{2}+x-1}$$

Sequence: A207590
Score: 5.95842
Type of gen. func.: ogf

$\{-a(n + 4) + a(n + 3) + 3 a(n + 2), a(0) = 6, a(1) = 36, a(2) = 60, a(3) = 144\}$

Sequence: A207590
Score: 6.51014
Type of gen. func.: ogf

$$(265 f(x) + 3426) (3 f(x) x^2 - 24 x^3 + f(x) x + 6 x^2 - f(x) + 30 x + 6)$$

Sequence: A207590
Score: 7.10196
Type of gen. func.: lgdogf

$$- \frac{12 x^4 + 8 x^3 + 2 x^2 + 8 x + 6}{-12 x^5 - x^4 + 20 x^3 + 7 x^2 - 4 x - 1}$$

Sequence: A207591
Score: 5.26962
Type of gen. func.: ogf

$$\frac{9 (x - 1) (4 x^6 + 2 x^5 - 22 x^4 - 8 x^3 + 18 x^2 + 10 x + 1)}{2 x^6 - 10 x^4 + 2 x^3 + 8 x^2 - 1}$$

Sequence: A207592
Score: 4.05007
Type of gen. func.: ogf

$$\frac{13 (16 x^8 + 20 x^7 - 86 x^6 - 66 x^5 + 99 x^4 + 54 x^3 - 26 x^2 - 14 x - 1)}{(x + 1) (4 x^6 + 2 x^5 - 20 x^4 + 2 x^3 + 11 x^2 - 1)}$$

Sequence: A207596
Score: 3.70736
Type of gen. func.: ogf

$$\{(19 n^2 + 157 n + 238) a(n + 1) + (140 n^2 + 1219 n + 2583) a(n + 2)$$

$$+ (-159 n^2 - 842 n - 1095) a(n + 3), a(0) = 15, a(1) = 225, a(2) = 825\}$$

Sequence: A207596
Score: 4.79067
Type of gen. func.: ogf

$$(514656 f(x) + 86501705) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 15 x^3 - 4 f(x) x - 15 x^2 + f(x) - 165 x - 15)$$

Sequence: A207596
Score: 8.78290
Type of gen. func.: lgdogf

$$- \frac{-x^3 - x^2 + 35 x + 15}{-x^4 + 2 x^3 + 10 x^2 - 10 x - 1}$$

Sequence: A207596
Score: 8.99712
Type of gen. func.: ogf

$$- \frac{15 (x^3 - x^2 - 11 x - 1)}{(x - 1)^4}$$

Sequence: A207597
Score: 6.96345
Type of gen. func.: ogf

$$- \frac{25 (x^4 - 4 x^3 + 6 x^2 + 20 x + 1)}{(x - 1)^5}$$

Sequence: A207597
Score: 7.10134
Type of gen. func.: lgdogf

$$- \frac{x^4 - 4 x^3 + 6 x^2 + 92 x + 25}{x^5 - 5 x^4 + 10 x^3 + 14 x^2 - 19 x - 1}$$

Sequence: A207598
Score: 7.24398
Type of gen. func.: ogf

$$\frac{40\,(5\,x^3 - 41\,x^2 - 35\,x - 1)}{(x - 1)^5}$$

Sequence: A207598
Score: 7.90252
Type of gen. func.: lgdogf

$$-\frac{-10\,x^3 + 108\,x^2 + 222\,x + 40}{-5\,x^4 + 46\,x^3 - 6\,x^2 - 34\,x - 1}$$

Sequence: A207638
Score: 5.77039
Type of gen. func.: ogf

$$-\frac{93\,x^5 + 196\,x^4 + 169\,x^3 + 121\,x^2 + 81\,x + 49}{4\,x^5 - 1}$$

Sequence: A207640
Score: 3.59873
Type of gen. func.: ogf

$$-\frac{625\,x^2 + 361\,x + 225}{4\,x^3 - 1}$$

Sequence: A207641
Score: 14.3605
Type of gen. func.: ogf_with_Euler_transform]

3   2

$$-\frac{-x + x + 2 x + 1}{x^{2} - 1}$$

Sequence: A207656
Score: 5.04070
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 3) + a(n + 2) + a(n + 1), a(0) = 6, a(1) = 36, a(2) = 84, a(3) = 198\}$$

Sequence: A207656
Score: 5.57345
Type of gen. func.: ogf

$$(5 f(x) + 18) (f(x) x^{3} + f(x) x^{2} + 12 x^{3} - 3 f(x) x + 18 x^{2} + f(x) - 18 x - 6)$$

Sequence: A207656
Score: 6.72093
Type of gen. func.: lgdogf

$$-\frac{-x^{4} - 6 x^{3} + 3 x^{2} + 8 x - 6}{-2 x^{6} - 5 x^{5} + 6 x^{4} + 11 x^{3} - 11 x^{2} + 1}$$

Sequence: A207656
Score: 9.52132
Type of gen. func.: ogf

$$-\frac{6 (2 x^{3} + 3 x^{2} - 3 x - 1)}{(x^{2} + 2 x - 1) (x - 1)}$$

Sequence: A207683
Score: 5.65634
Type of gen. func.: ogf

$$2 (3 x^{7} - 42 x^{6} - 19 x^{5} + 12 x^{4} + 46 x^{3} + 33 x^{2} + 18 x + 3)$$

$$\overline{}$$
$$6 x^6 - 4 x^4 - 6 x^3 - x^2 + 1$$

Sequence: A207689
Score: 5.35171
Type of gen. func.: ogf

$$\frac{17 x^7 - 10 x^6 - 48 x^5 - 32 x^4 + 48 x^3 + 10 x^2 + 72 x + 9}{(x^3 - x^2 - 1) (x^3 + 2 x^2 + x - 1)}$$

Sequence: A207694
Score: 6.86236
Type of gen. func.: ogf

$$\frac{2 (60 x^6 + 84 x^5 + 11 x^4 - 11 x^3 - 12 x^2 - 15 x - 3)}{(3 x^2 + 1) (3 x^2 + x - 1)}$$

Sequence: A207700
Score: 5.90704
Type of gen. func.: ogf

$$- \frac{x^5 - 15 x^4 + 30 x^3 + 54 x^2 - 135 x - 15}{(x - 1)^6}$$

Sequence: A207701
Score: 4.88715
Type of gen. func.: ogf

$$- \frac{x^6 + 2 x^5 + 127 x^4 - 404 x^3 + 119 x^2 + 450 x + 25}{(x - 1)^7}$$

Sequence: A207702
Score: 4.10502
Type of gen. func.: ogf

$$-\frac{2\,(12\,x^{6} - 31\,x^{5} - 259\,x^{4} + 1013\,x^{3} - 775\,x^{2} - 640\,x - 20)}{(x - 1)^{8}}$$

Sequence: A207710
Score: 3.13393
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{11} - x^{10} + 2\,x^{9} - 2\,x^{8} + 2\,x^{7} - 2\,x^{6} + 3\,x^{5} - 2\,x^{4} + 2\,x^{3} - 2\,x^{2} + x - 1}{-x^{12} - x^{10} + x^{2} + 1}$$

Sequence: A207712
Score: 3.82604
Type of gen. func.: ogf

$$-\frac{9\,x^{9} + 6\,x^{8} - 120\,x^{7} - 200\,x^{6} + 100\,x^{5} + 256\,x^{4} - 15\,x^{3} - 78\,x^{2} + 6}{(x - 1)\,(x^{2} + x - 1)\,(x^{2} + 2\,x - 1)\,(x^{4} - 2\,x^{3} - 7\,x^{2} - 2\,x + 1)}$$

Sequence: A207718
Score: 7.31614
Type of gen. func.: ogf

$$-\frac{6\,(x^{4} - 4\,x^{3} + 4\,x + 1)}{(x + 1)\,(x^{2} - 4\,x + 1)\,(x^{2} - x - 1)}$$

Sequence: A207719
Score: 5.99146
Type of gen. func.: ogf

$$-\frac{9\,(x - 1)\,(6\,x^{3} - 3\,x^{2} - 6\,x - 1)}{6\,x^{5} - 9\,x^{4} - 8\,x^{3} + 10\,x^{2} + 4\,x - 1}$$

Sequence: A207724
Score: 4.62562
Type of gen. func.: ogf

$$\frac{x^9 - x^8 - x^7 - 9 x^6 + 3 x^5 + 7 x^4 + 9 x^3 - 18 x^2 + 18 x + 6}{(x - 1) (x^3 - x^2 - 1) (x^3 + x - 1) (x^3 + 2 x^2 + x - 1)}$$

Sequence: A207725
Score: 4.66350
Type of gen. func.: ogf

$$- \frac{x^9 + x^8 + 45 x^6 + 5 x^5 - 51 x^4 - 69 x^3 + 56 x^2 - 54 x - 9}{(x - 1) (x^3 - x^2 - 1) (x^3 + x - 1) (x^3 + 2 x^2 + x - 1)}$$

Sequence: A207730
Score: 4.39132
Type of gen. func.: ogf

$$- \frac{27 x^8 - 9 x^7 - 9 x^6 - 51 x^5 - 39 x^4 - 17 x^3 + 6 x^2 + 24 x + 6}{(3 x - 1) (x^2 + 1) (x^2 - x - 1) (9 x^4 - 3 x^2 - 1)}$$

Sequence: A207737
Score: 4.64692
Type of gen. func.: ogf

$$- \frac{16 x^6 - 55 x^5 - 235 x^4 + 40 x^3 + 188 x^2 - 9 x - 9}{(x - 1) (x + 1) (x^2 - 6 x + 1) (x^2 + 2 x - 1)}$$

Sequence: A207769
Score: 5.98011
Type of gen. func.: ogf

$$\frac{6 (x^6 + x^5 - 3 x^4 - x^3 + 2 x^2 - 3 x - 1)}{(x^4 + 2 x^3 + x^2 + x - 1) (x - 1)^2}$$

Sequence: A207792
Score: 5.01453
Type of gen. func.: ogf

$$-\frac{32\,(252\,x^4+240\,x^3+93\,x^2+61\,x+8)}{336\,x^5+272\,x^4+83\,x^3+61\,x^2+x-1}$$

Sequence: A207809
Score: 5.28921
Type of gen. func.: ogf

$$-\frac{10\,(x^5+x^4-11\,x^3+4\,x^2+8\,x+1)}{(x^2-x-1)\,(x^4+2\,x^3-9\,x^2-3\,x+1)}$$

Sequence: A207817
Score: 4.30744
Type of gen. func.: ogf

$$\{(256\,n^3+1152\,n^2+1712\,n+840)\,a(n+1)+(-n^3-7\,n^2-16\,n-12)\,a(n+2)$$

$$,\ a(0)=1,\ a(1)=12\}$$

Sequence: A207832
Score: 11.8929
Type of gen. func.: ogf

$$\frac{2\,x}{x^2-18\,x+1}$$

Sequence: A207832
Score: 5.51137
Type of gen. func.: ogf

$$\{a(n+2)-18\,a(n+1)+a(n),\ a(0)=0,\ a(1)=2\}$$

Sequence: A207832
Score: 7.5322
Type of gen. func.: ogf

$$-f(x)\,x^2 + 18\,f(x)\,x - f(x) + 2\,x$$

Sequence: A207832
Score: 9.03864
Type of gen. func.: lgdogf

$$-\frac{2\,x - 18}{x^2 - 18\,x + 1}$$

Sequence: A207836
Score: 4.98264
Type of gen. func.: ogf

$$-(36072\,f(x) - 22153)$$

$$(f(x)\,x^4 - 8\,f(x)\,x^3 + 18\,f(x)\,x^2 - x^3 - 8\,f(x)\,x + 8\,x^2 + f(x) - 3\,x)$$

Sequence: A207836
Score: 8.45892
Type of gen. func.: lgdogf

$$-\frac{2\,x^3 - 24\,x^2 + 42\,x - 16}{x^4 - 12\,x^3 + 36\,x^2 - 20\,x + 3}$$

Sequence: A207836
Score: 9.83064
Type of gen. func.: ogf

$$\frac{x\,(x^2 - 8\,x + 3)}{(x^2 - 4\,x + 1)^2}$$

Sequence: A207840
Score: 5.14022
Type of gen. func.: ogf

$$\frac{2 (2 x^7 - 3 x^6 + 5 x^5 + 8 x^4 + 3 x^3 - 6 x^2 - 15 x - 3)}{x^6 - x^5 + 2 x^4 + 5 x^3 + 4 x^2 + x - 1}$$

Sequence: A207846
Score: 12.6341
Type of gen. func.: ogf

$$\frac{6 (x^2 - 4 x - 1)}{x^2 + 2 x - 1}$$

Sequence: A207846
Score: 6.55999
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - a(n + 1), a(0) = 6, a(1) = 36, a(2) = 72\}$$

Sequence: A207846
Score: 9.47553
Type of gen. func.: ogf

$$-f(x) x^2 - 2 f(x) x + 6 x^2 + f(x) - 24 x - 6$$

Sequence: A207846
Score: 9.88752
Type of gen. func.: lgdogf

$$- \frac{-6 x^2 - 6}{x^4 - 2 x^3 - 10 x^2 + 2 x + 1}$$

Sequence: A207847

Score: 4.18377
Type of gen. func.: ogf

$$(10107 f(x) + 20710) (f(x) x^4 - f(x) x^3 - 10 x^4 - 6 f(x) x^2 + 70 x^3 - f(x) x - 80 x^2 + f(x) - 90 x - 10)$$

Sequence: A207847
Score: 7.34482
Type of gen. func.: ogf

$$\frac{10 (x^4 - 7 x^3 + 8 x^2 + 9 x + 1)}{x^4 - x^3 - 6 x^2 - x + 1}$$

Sequence: A207848
Score: 4.03607
Type of gen. func.: ogf

$$\frac{16 (x^8 - 8 x^7 - 5 x^6 + 88 x^5 - 58 x^4 - 68 x^3 + 29 x^2 + 16 x + 1)}{x^8 - 15 x^6 + 4 x^5 + 32 x^4 - 4 x^3 - 15 x^2 + 1}$$

Sequence: A207854
Score: 3.78141
Type of gen. func.: ogf

$$- \frac{9 x^9 + x^8 - 64 x^6 - 10 x^5 + 2 x^4 + 132 x^3 - 44 x^2 + 45 x + 9}{(x^4 - 2 x^2 - 4 x + 1) (x^6 + x^4 - 4 x^3 - x^2 - 1)}$$

Sequence: A207896
Score: 6.34293
Type of gen. func.: ogf

$$- \frac{6 (2 x^5 + 3 x^4 + 5 x^3 + 6 x^2 + 5 x + 1)}{x^5 + x^4 + 2 x^3 + 2 x^2 + x - 1}$$

Sequence: A207924

Score: 5.02189

Type of gen. func.: ogf

$$\frac{17 x^7 - 7 x^6 + 17 x^5 - 125 x^4 - 9 x^3 - 45 x^2 + 63 x + 9}{(x^3 + x^2 + 3 x - 1) (x^3 - x^2 - x - 1)}$$

Sequence: A207929

Score: 5.36227

Type of gen. func.: ogf

$$-(5 f(x) - 12)$$

$$(f(x) x^4 + 2 f(x) x^3 - 6 x^4 - 12 x^3 + 2 f(x) x - f(x) + 24 x + 6)$$

Sequence: A207929

Score: 9.51615

Type of gen. func.: ogf

$$\frac{6 (x^4 + 2 x^3 - 4 x - 1)}{(x^2 + 1) (x^2 + 2 x - 1)}$$

Sequence: A207935

Score: 5.94496

Type of gen. func.: ogf

$$- \frac{2 (x^5 - 6 x^4 - 9 x^3 + 61 x^2 - 56 x - 7)}{(x - 1)^6}$$

Sequence: A207936

Score: 4.61760

Type of gen. func.: ogf

$$- \frac{2 (x^6 - 15 x^5 + 68 x^4 - 59 x^3 - 110 x^2 + 165 x + 11)}{{}^{7}}$$

$$(x - 1)$$

Sequence: A207937
Score: 4.31901
Type of gen. func.: ogf

$$-\frac{x^7 - 5x^6 + 191x^5 - 863x^4 + 1269x^3 - 157x^2 - 945x - 35}{(x - 1)^8}$$

Sequence: A207939
Score: 3.58189
Type of gen. func.: ogf

$$-(26x^9 + 29x^8 - 171x^7 - 223x^6 + 189x^5 + 247x^4 - 63x^3 - 76x^2 + 6x + 6) \Big/ ((x - 1)(2x - 1)(x + 1)(x^2 + x - 1)(x^4 - 5x^2 - 2x + 1))$$

Sequence: A207944
Score: 11.0776
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^5 + 2x^4 + 2x^2}{x^4 - 1}$$

Sequence: A207969
Score: 12.2620
Type of gen. func.: lgdogf

$$-\frac{-5x^3 + 20x^2 + 20x - 5}{-x^5 + 5x^4 + 15x^3 - 15x^2 - 5x + 1}$$

Sequence: A207969
Score: 7.60015
Type of gen. func.: lgdogf

$$-\frac{-5x^3+20x^2+20x-5}{-x^5+5x^4+15x^3-15x^2-5x+1}$$

Sequence: A207970
Score: 7.62247
Type of gen. func.: lgdogf

$$-\frac{5x^5-60x^4-265x^3+265x^2+60x-5}{x^7-13x^6-104x^5+260x^4+260x^3-104x^2-13x+1}$$

Sequence: A207994
Score: 5.24144
Type of gen. func.: ogf

$$-\frac{8x^4-44x^3+77x^2-47x+8}{8x^5-48x^4+92x^3-65x^2+16x-1}$$

Sequence: A207995
Score: 3.34803
Type of gen. func.: ogf

$$-\frac{688x^6-2736x^5+4206x^4-3198x^3+1257x^2-237x+16}{516x^7-2152x^6+3519x^5-2901x^4+1278x^3-291x^2+30x-1}$$

Sequence: A208003
Score: 3.23451
Type of gen. func.: ogf

$$-(234x^9-603x^8-767x^7+2044x^6+299x^5-1588x^4+223x^3+238x^2-27x-9) \Big/ ((x-1)(x+1)(x^2-3x+1)(x^2+x-1)(6x^3-7x^2-2x+1))$$

Sequence: A208014
Score: 4.56277
Type of gen. func.: ogf

$$-\frac{148 x^7 + 714 x^6 + 404 x^5 - 167 x^4 - 364 x^3 - 126 x^2 - 72 x - 9}{(4 x^3 - 2 x^2 - 1) (4 x^3 + 4 x^2 + x - 1)}$$

Sequence: A208016
Score: 4.23203
Type of gen. func.: ogf

$$-\frac{8505 x^7 + 15228 x^6 + 3915 x^5 - 3015 x^4 - 2601 x^3 - 480 x^2 - 240 x - 16}{(9 x^3 - 3 x^2 - 1) (9 x^3 + 6 x^2 + x - 1)}$$

Sequence: A208023
Score: 3.95406
Type of gen. func.: ogf

$$-\frac{9 x^9 + 6 x^8 - 8 x^7 - 50 x^6 - 3 x^5 + 48 x^4 + 93 x^3 + 60 x^2 + 30 x + 6}{x^9 - x^7 - 5 x^6 + 3 x^5 + 4 x^4 + 8 x^3 + x^2 + x - 1}$$

Sequence: A208029
Score: 3.93167
Type of gen. func.: ogf

$$(10222 f(x) - 609435) (10 f(x) x^4 - 2 f(x) x^3 - 11 f(x) x^2 + 90 x^3 - 2 f(x) x$$

$$- 18 x^2 + f(x) - 63 x - 9)$$

Sequence: A208029
Score: 7.24001
Type of gen. func.: ogf

$$9 (x - 1) (10 x^2 + 8 x + 1)$$

```
- ------------------------------
      4      3       2
10 x  - 2 x  - 11 x  - 2 x + 1
```

Sequence: A208030
Score: 4.03260
Type of gen. func.: ogf

$$-\frac{13\,(4x^6-3x^5-28x^4+38x^3+x^2-10x-1)}{(x-1)\,(4x^6+x^5-30x^4+12x^3+21x^2+2x-1)}$$

Sequence: A208034
Score: 13.8527
Type of gen. func.: lgdogf

$$-\frac{2x-2}{x^3-5x^2-5x+1}$$

Sequence: A208034
Score: 29.3413
Type of gen. func.: lgdogf

$$-\frac{2x-2}{x^3-5x^2-5x+1}$$

Sequence: A208034
Score: 4.59024
Type of gen. func.: ogf

$\{(n+3)\,a(n+3)+(-12-5n)\,a(n+2)+(-3-5n)\,a(n+1)+n\,a(n),$

$a(0)=1,\ a(1)=2,\ a(2)=6\}$

Sequence: A208035
Score: 5.50756
Type of gen. func.: ogf

$$16x^6+9x^5+17x^4-86x^3-100x^2-63x-9$$

```
  - ---------------------------------------------------
               3    2                3    2
           (x  + x  + 3 x - 1) (x  - x  - x - 1)
```

Sequence: A208044
Score: 11.2015
Type of gen. func.: ogf

$$\frac{2 (x - 1) (2 x - 1)}{8 x^2 - 7 x + 1}$$

Sequence: A208044
Score: 5.76389
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 8 a(n + 1), a(0) = 2, a(1) = 8, a(2) = 44\}$$

Sequence: A208044
Score: 5.93682
Type of gen. func.: ogf

$$-(-22 + 267 f(x)) (8 f(x) x^2 - 7 f(x) x - 4 x^2 + f(x) + 6 x - 2)$$

Sequence: A208044
Score: 7.61129
Type of gen. func.: lgdogf

$$-\frac{10 x^2 - 12 x + 4}{-16 x^4 + 38 x^3 - 31 x^2 + 10 x - 1}$$

Sequence: A208046
Score: 4.07647
Type of gen. func.: ogf

$$-(-9 + 85 f(x)) (64 f(x) x^4 - 68 f(x) x^3 - 32 x^4 + 40 f(x) x^2 + 84 x^3 - 12 f(x) x - 60 x^2 + f(x) + 28 x - 5)$$

Sequence: A208046
Score: 6.92561
Type of gen. func.: ogf

$$\frac{32 x^4 - 84 x^3 + 60 x^2 - 28 x + 5}{64 x^4 - 68 x^3 + 40 x^2 - 12 x + 1}$$

Sequence: A208055
Score: 10.6462
Type of gen. func.: lgdogf

$$-\frac{-2 x^3 + 26 x^2 + 26 x - 2}{-x^5 + 29 x^4 + 174 x^3 - 174 x^2 - 29 x + 1}$$

Sequence: A208055
Score: 6.77430
Type of gen. func.: lgdogf

$$-\frac{-2 x^3 + 26 x^2 + 26 x - 2}{-x^5 + 29 x^4 + 174 x^3 - 174 x^2 - 29 x + 1}$$

Sequence: A208064
Score: 11.3366
Type of gen. func.: ogf

$$\frac{6 (x^4 - 2 x^3 - 4 x - 1)}{(x + 1) (x - 1)^3}$$

Sequence: A208064
Score: 6.38807
Type of gen. func.: ogf

$$-(f(x) - 12) (f(x) x^4 - 2 f(x) x^3 - 6 x^4 + 12 x^3 + 2 f(x) x - f(x) + 24 x + 6)$$

Sequence: A208064
Score: 8.94330
Type of gen. func.: lgdogf

$$-\frac{18x^2+12x+6}{-x^6+2x^5+x^4+2x^3+x^2-4x-1}$$

Sequence: A208065
Score: 5.02489
Type of gen. func.: ogf

$$\frac{2(5x^8-10x^7-10x^6+12x^5+12x^4+22x^3-10x^2-40x-5)}{(x+1)^3(x-1)^5}$$

Sequence: A208066
Score: 4.82486
Type of gen. func.: ogf

$$\frac{16(x^8-2x^7-2x^6+5x^5+3x^4-7x^3-10x^2-14x-1)}{(x+1)^3(x-1)^5}$$

Sequence: A208067
Score: 4.43180
Type of gen. func.: ogf

$$\frac{2(13x^8-26x^7-26x^6+76x^5-28x^4-522x^3-338x^2-312x-13)}{(x+1)^3(x-1)^5}$$

Sequence: A208070
Score: 3.37423
Type of gen. func.: ogf

10 9 8 7 6 5 4 3 2

$$12 (32 x - 24 x - 4 x - 114 x + 51 x + 31 x + 86 x + x - 2 x - 11 x$$

$$- 1) / ((8 x^3 + 4 x^2 + 2 x - 1) (x^6 - x^5 - 3 x^3 + 2 x^2 + x + 1))$$

Sequence: A208071
Score: 4.46483
Type of gen. func.: ogf

$$\frac{4 (448 x^7 + 32 x^6 + 36 x^5 - 522 x^4 - 45 x^3 - 63 x^2 + 56 x + 4)}{(4 x - 1) (x - 1) (x^2 + x + 1) (4 x^2 + 2 x + 1)}$$

Sequence: A208079
Score: 4.99289
Type of gen. func.: ogf

$$-(451 f(x) + 241) (f(x) x^3 - 5 f(x) x^2 - 5 f(x) x + 9 x^2 + f(x) - 36 x - 9)$$

Sequence: A208079
Score: 5.20997
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) - 5 a(n + 1) + a(n), a(0) = 9, a(1) = 81, a(2) = 441\}$$

Sequence: A208079
Score: 6.05198
Type of gen. func.: lgdogf

$$- \frac{-x^4 + 8 x^3 - 22 x^2 - 8 x - 9}{-x^5 + 9 x^4 - 14 x^3 - 26 x^2 - x + 1}$$

Sequence: A208079
Score: 9.66365
Type of gen. func.: ogf

$$- \frac{9 (x^2 - 4 x - 1)}{}$$

$$(x+1)(x^2-6x+1)$$

Sequence: A208080
Score: 3.80917
Type of gen. func.: ogf

$$-\frac{15(x-1)(x^6+2x^5-25x^4+2x^3+31x^2+12x+1)}{x^8-36x^6+28x^5+70x^4-24x^3-40x^2-4x+1}$$

Sequence: A208084
Score: 3.72104
Type of gen. func.: ogf

$$-2(324x^9+108x^8-1134x^7-369x^6+1008x^5+309x^4-252x^3-65x^2+10x+4)\Big/\left((3x^2-1)(9x^4-9x^2+1)(9x^4-21x^2+1)\right)$$

Sequence: A208086
Score: 4.48829
Type of gen. func.: ogf

$$-(15635111\,f(x)+111695223)$$

$$(f(x)\,x^4-3\,f(x)\,x^3+14x^3+3\,f(x)\,x-34x^2-f(x)-16x+24)$$

Sequence: A208086
Score: 8.73066
Type of gen. func.: ogf

$$-\frac{2(7x^3-17x^2-8x+12)}{(x^2-3x+1)(x-1)(x+1)}$$

Sequence: A208087
Score: 4.37816
Type of gen. func.: ogf

$$-(15635111 f(x) + 335085669)$$

$$(f(x) x^4 - 3 f(x) x^3 + 42 x^3 + 3 f(x) x - 102 x^2 - f(x) - 48 x + 72)$$

Sequence: A208087
Score: 8.46049
Type of gen. func.: ogf

$$-\frac{6 (7 x^3 - 17 x^2 - 8 x + 12)}{(x^2 - 3 x + 1) (x - 1) (x + 1)}$$

Sequence: A208088
Score: 10.6819
Type of gen. func.: lgdogf

$$-\frac{-2 x^2 - 6 x - 5}{-2 x^3 - 5 x^2 - x + 3}$$

Sequence: A208088
Score: 14.2425
Type of gen. func.: ogf

$$-\frac{36 (2 x + 3)}{x^2 + x - 1}$$

Sequence: A208088
Score: 7.12126
Type of gen. func.: ogf

$$-(89 f(x) - 2112) (f(x) x^2 + f(x) x - f(x) + 72 x + 108)$$

Sequence: A208088
Score: 7.94931
Type of gen. func.: ogf

$\{a(n + 2) - a(n + 1) - a(n), a(0) = 108, a(1) = 180\}$

Sequence: A208089
Score: 4.49684
Type of gen. func.: ogf

$$-(15635111 f(x) + 1005257007)$$

$$(f(x) x^4 - 3 f(x) x^3 + 126 x^3 + 3 f(x) x - 306 x^2 - f(x) - 144 x + 216)$$

Sequence: A208089
Score: 8.58486
Type of gen. func.: ogf

$$-\frac{18 (7 x^3 - 17 x^2 - 8 x + 12)}{(x^2 - 3 x + 1) (x - 1) (x + 1)}$$

Sequence: A208103
Score: 5.29772
Type of gen. func.: ogf

$$-\frac{15 x^6 - 20 x^5 - 70 x^4 + 33 x^3 + 54 x^2 - 12 x - 6}{(x - 1) (x + 1) (x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A208104
Score: 5.42148
Type of gen. func.: ogf

$$-\frac{40 x^6 - 55 x^5 - 185 x^4 + 99 x^3 + 137 x^2 - 45 x - 9}{(x - 1) (x + 1) (x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A208109
Score: 3.98882
Type of gen. func.: ogf

8 7 6 5 4 3 2

$$-\frac{216 x - 36 x - 36 x - 300 x - 114 x - 53 x + 9 x + 63 x + 9}{(6 x^3 - 7 x^2 - 2 x + 1) (36 x^6 + 12 x^4 - 7 x^2 - 1)}$$

Sequence: A208110
Score: 3.45163
Type of gen. func.: ogf

$$- (1331 x^8 - 121 x^7 - 121 x^6 - 1595 x^5 - 319 x^4 - 153 x^3 + 14 x^2 + 168 x + 14) / ((11 x^3 - 12 x^2 - 2 x + 1) (121 x^6 + 22 x^4 - 12 x^2 - 1))$$

Sequence: A208111
Score: 3.50083
Type of gen. func.: ogf

$$- (6859 x^8 - 361 x^7 - 361 x^6 - 7619 x^5 - 855 x^4 - 417 x^3 + 22 x^2 + 440 x + 22) / ((19 x^3 - 20 x^2 - 2 x + 1) (361 x^6 + 38 x^4 - 20 x^2 - 1))$$

Sequence: A208112
Score: 3.26449
Type of gen. func.: ogf

$$- (32768 x^8 - 1024 x^7 - 1024 x^6 - 34880 x^5 - 2272 x^4 - 1119 x^3 + 35 x^2 + 1155 x + 35) / ((32 x^3 - 33 x^2 - 2 x + 1) (1024 x^6 + 64 x^4 - 33 x^2 - 1))$$

Sequence: A208114
Score: 5.23201
Type of gen. func.: ogf

$$-\frac{x^7 - x^6 - 3 x^5 + 11 x^4 + 67 x^3 + 45 x^2 + 63 x + 9}{(x + 1)^3 (x - 1)^5}$$

Sequence: A208119
Score: 4.02649
Type of gen. func.: ogf

$$-\frac{256 x^7 - 64 x^6 + 96 x^5 - 280 x^4 + 40 x^3 - 90 x^2 + 36 x + 9}{(x - 1) (2 x + 1) (2 x - 1) (4 x - 1) (2 x^2 + 1) (8 x^2 + 1)}$$

Sequence: A208121
Score: 3.61303
Type of gen. func.: ogf

$$-\frac{6561 x^7 + 1458 x^6 + 3159 x^5 - 4158 x^4 + 945 x^3 - 672 x^2 + 144 x + 16}{(3 x - 1) (3 x + 1) (9 x^2 - 7 x + 1) (81 x^4 + 21 x^2 + 1)}$$

Sequence: A208124
Score: 3.84526
Type of gen. func.: ogf

$$\{(2 n^2 + 3 n) a(n) + (-4 n^2 - 19 n - 15) a(n + 1) + (2 n^2 + 17 n + 30) a(n + 2)$$
$$+ (-3 - n) a(n + 3), a(0) = 2, a(1) = 8, a(2) = 60\}$$

Sequence: A208131
Score: 10.094
Type of gen. func.: ogf

$$-(f(x) - 1) (12 f(x) x^3 + 6 x^2 - f(x) + 3 x + 1)$$

Sequence: A208131
Score: 15.1096
Type of gen. func.: ogf

$$-\frac{6 x^2 + 3 x + 1}{12 x^3 - 1}$$

Sequence: A208131
Score: 7.33474
Type of gen. func.: lgdogf

$$-\frac{-72 x^4 - 72 x^3 - 36 x^2 - 12 x - 3}{-72 x^5 - 36 x^4 - 12 x^3 + 6 x^2 + 3 x + 1}$$

Sequence: A208131
Score: 9.81140
Type of gen. func.: ogf

$$\{a(n + 3) - 12 a(n), a(0) = 1, a(1) = 3, a(2) = 6\}$$

Sequence: A208138
Score: 11.5116
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 18 x + 9}{x^3 + 3 x^2 - 3 x - 1}$$

Sequence: A208138
Score: 3.85697
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + 3 n a(n + 3) + (-24 - 3 n) a(n + 2) + (-n - 4) a(n + 1),$$

$$a(0) = 9, a(1) = 81, a(2) = 324, a(3) = 900\}$$

Sequence: A208138
Score: 9.35316
Type of gen. func.: ogf

$$-\frac{9 (x^2 + 4 x + 1)}{(x - 1)^5}$$

Sequence: A208139

Score: 10.4034
Type of gen. func.: lgdogf

$$-\frac{12 x^2 + 36 x + 12}{3 x^3 + 3 x^2 - 5 x - 1}$$

Sequence: A208139
Score: 3.38365
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (3 + 5 n) a(n + 3) + (-42 - 3 n) a(n + 2) + (-15 - 3 n) a(n + 1), a(0) = 12, a(1) = 144, a(2) = 720, a(3) = 2400\}$$

Sequence: A208139
Score: 7.65968
Type of gen. func.: ogf

$$\frac{12 (3 x^2 + 6 x + 1)}{(x - 1)^6}$$

Sequence: A208140
Score: 5.26509
Type of gen. func.: ogf

$$\{(n^2 + 10 n + 25) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 16, a(1) = 256\}$$

Sequence: A208140
Score: 5.92915
Type of gen. func.: ogf

$$-\frac{16 (x + 1) (x^2 + 8 x + 1)}{(x - 1)^7}$$

Sequence: A208140
Score: 8.77515

Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 48 x^2 + 72 x + 16}{x^4 + 8 x^3 - 8 x - 1}$$

Sequence: A208141
Score: 5.30471
Type of gen. func.: ogf

$$\{(n^2 + 11 n + 30) a(n + 1) + (-n^2 - 4 n - 4) a(n + 2), a(0) = 20, a(1) = 400\}$$

Sequence: A208141
Score: 5.52574
Type of gen. func.: ogf

$$\frac{20 (4 x^3 + 18 x^2 + 12 x + 1)}{(x - 1)^8}$$

Sequence: A208141
Score: 7.53510
Type of gen. func.: lgdogf

$$-\frac{20 x^3 + 120 x^2 + 120 x + 20}{4 x^4 + 14 x^3 - 6 x^2 - 11 x - 1}$$

Sequence: A208170
Score: 5.03820
Type of gen. func.: ogf

$$\frac{45 x^4 - 183 x^3 + 276 x^2 - 151 x + 5}{(45 x^2 - 57 x + 1) (3 x^2 - 5 x + 1)}$$

Sequence: A208176

Score: 11.6687
Type of gen. func.: ogf

$$-\frac{(2x-1)(x^2-2x-1)}{(x^2-3x+1)(x-1)(x+1)}$$

Sequence: A208176
Score: 6.06774
Type of gen. func.: ogf

$$-(6065 f(x) + 5572)(f(x) x^4 - 3 f(x) x^3 + 2 x^3 + 3 f(x) x - 5 x^2 - f(x) + 1)$$

Sequence: A208195
Score: 3.0083
Type of gen. func.: ogf

$$-(617317329022 f(x) - 370919286393)(24 f(x) x^4 + 66 f(x) x^3 - 8 x^4 + 31 f(x) x^2 - 15 x^3 - 18 f(x) x + 12 x^2 + f(x) + 22 x - 2)$$

Sequence: A208195
Score: 5.82040
Type of gen. func.: ogf

$$\frac{8x^4+15x^3-12x^2-22x+2}{(2x^2+3x-1)(12x^2+15x-1)}$$

Sequence: A208215
Score: 5.18451
Type of gen. func.: ogf

$$\{-a(n+4) + 15 a(n+3) - 55 a(n+2) + 51 a(n+1), a(0) = 1, a(1) = 4, a(2) = 34, a(3) = 322\}$$

Sequence: A208215
Score: 5.46155

Type of gen. func.: ogf

$$(1415 + 8947 f(x))$$

$$(51 f(x) x^3 - 55 f(x) x^2 - 19 x^3 + 15 f(x) x + 29 x^2 - f(x) - 11 x + 1)$$

Sequence: A208215
Score: 9.53949
Type of gen. func.: ogf

$$\frac{(x - 1) (19 x^2 - 10 x + 1)}{51 x^3 - 55 x^2 + 15 x - 1}$$

Sequence: A208253
Score: 5.00606
Type of gen. func.: ogf

$$\{-a(n + 3) + 22 a(n + 2) - 16 a(n + 1), a(0) = 5, a(1) = 96, a(2) = 2040\}$$

Sequence: A208253
Score: 5.30054
Type of gen. func.: ogf

$$(-2077 + 6969 f(x)) (16 f(x) x^2 - 22 f(x) x - 8 x^2 + f(x) + 14 x - 5)$$

Sequence: A208253
Score: 6.43637
Type of gen. func.: lgdogf

$$- \frac{48 x^2 - 144 x + 96}{-128 x^4 + 400 x^3 - 396 x^2 + 124 x - 5}$$

Sequence: A208253
Score: 9.65455
Type of gen. func.: ogf

$$(2 x - 1) (4 x - 5)$$

$$\frac{}{16 x^{2} - 22 x + 1}$$

Sequence: A208254
Score: 5.25173
Type of gen. func.: ogf

$$\frac{2 (64 x^{4} - 128 x^{3} + 110 x^{2} - 43 x + 7)}{256 x^{4} - 416 x^{3} + 266 x^{2} - 61 x + 1}$$

Sequence: A208259
Score: 9.81934
Type of gen. func.: ogf

$$- \frac{800 x^{13} - 800 x^{12} + 80 x^{3} - 80 x^{2} - 9 x - 1}{(x - 1)^{2}}$$

Sequence: A208264
Score: 5.05212
Type of gen. func.: ogf

$$(16823 f(x) + 3652) (2 f(x) x^{3} - 3 f(x) x^{2} - 6 f(x) x + x^{2} + f(x) - x - 4)$$

Sequence: A208264
Score: 5.18391
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 4, a(1) = 25, a(2) = 161\}$$

Sequence: A208264
Score: 9.77295
Type of gen. func.: ogf

$$- \frac{x^{2} - x - 4}{2 x^{3} - 3 x^{2} - 6 x + 1}$$

Sequence: A208265
Score: 5.38023
Type of gen. func.: ogf

$$-\frac{4x^4 - 13x^3 - 17x^2 + 9x + 8}{8x^5 - 30x^4 - 21x^3 + 20x^2 + 10x - 1}$$

Sequence: A208283
Score: 3.63230
Type of gen. func.: ogf

$$\{(-483 n^2 - 3120 n - 5013) a(n + 1) + (1460 n^2 + 10569 n + 21178) a(n + 2)$$
$$+ (-977 n^2 - 5473 n - 7626) a(n + 3), a(0) = 10, a(1) = 100, a(2) = 378\}$$

Sequence: A208283
Score: 8.31392
Type of gen. func.: ogf

$$\frac{2(3x^3 + 11x^2 - 25x - 5)}{(x - 1)^5}$$

Sequence: A208283
Score: 8.80298
Type of gen. func.: lgdogf

$$-\frac{-6x^3 - 42x^2 + 78x + 50}{-3x^4 - 8x^3 + 36x^2 - 20x - 5}$$

Sequence: A208284
Score: 6.42848
Type of gen. func.: ogf

3   2

$$\frac{4 (x - 2) (4 x - 6 x - 21 x - 2)}{(x - 1)^6}$$

Sequence: A208284
Score: 6.79936
Type of gen. func.: lgdogf

$$-\frac{-8 x^4 + 26 x^3 + 78 x^2 - 182 x - 64}{-4 x^5 + 18 x^4 - 5 x^3 - 49 x^2 + 36 x + 4}$$

Sequence: A208285
Score: 5.21296
Type of gen. func.: ogf

$$-\frac{2 (3 x^5 + 65 x^4 - 230 x^3 + 94 x^2 + 247 x + 13)}{(x - 1)^7}$$

Sequence: A208286
Score: 4.07819
Type of gen. func.: ogf

$$-\frac{2 (19 x^6 - 86 x^5 - 203 x^4 + 1156 x^3 - 1005 x^2 - 714 x - 21)}{(x - 1)^8}$$

Sequence: A208288
Score: 6.53626
Type of gen. func.: ogf

$$-\frac{8 (x^4 - 2 x^3 - 3 x^2 + 5 x + 1)}{(x^2 - x - 1) (x^3 - x^2 - 4 x + 1)}$$

Sequence: A208289
Score: 6.33506

Type of gen. func.: ogf

$$-\frac{10\,(x^5 - 6\,x^3 - x^2 + 7\,x + 1)}{x^6 - 7\,x^4 - 2\,x^3 + 10\,x^2 + 3\,x - 1}$$

Sequence: A208290
Score: 4.02696
Type of gen. func.: ogf

$$-\frac{12\,(x - 1)\,(x^5 - x^4 - 6\,x^3 + 3\,x^2 + 9\,x + 1)}{x^7 - 2\,x^6 - 6\,x^5 + 10\,x^4 + 10\,x^3 - 11\,x^2 - 4\,x + 1}$$

Sequence: A208291
Score: 4.16950
Type of gen. func.: ogf

$$-\frac{14\,(x + 1)\,(x^6 - x^5 - 7\,x^4 + 6\,x^3 + 12\,x^2 - 9\,x - 1)}{x^8 - 9\,x^6 - 2\,x^5 + 23\,x^4 + 7\,x^3 - 16\,x^2 - 4\,x + 1}$$

Sequence: A208309
Score: 13.4632
Type of gen. func.: ogf

$$-\frac{2\,(x - 2)}{3\,x^2 - 5\,x + 1}$$

Sequence: A208309
Score: 6.80724
Type of gen. func.: ogf

$$(142\,f(x) + 161)\,(3\,f(x)\,x^2 - 5\,f(x)\,x + f(x) + 2\,x - 4)$$

Sequence: A208309
Score: 7.29933

Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - 3 a(n), a(0) = 4, a(1) = 18\}$$

Sequence: A208309
Score: 9.04245
Type of gen. func.: lgdogf

$$-\frac{-3 x^2 + 12 x - 9}{-3 x^3 + 11 x^2 - 11 x + 2}$$

Sequence: A208310
Score: 4.21078
Type of gen. func.: ogf

$$(56 f(x) + 59) (9 f(x) x^4 - 21 f(x) x^3 + 21 f(x) x^2 + 6 x^3 - 9 f(x) x - 18 x^2 + f(x) + 18 x - 8)$$

Sequence: A208310
Score: 7.43385
Type of gen. func.: ogf

$$-\frac{2 (3 x^3 - 9 x^2 + 9 x - 4)}{9 x^4 - 21 x^3 + 21 x^2 - 9 x + 1}$$

Sequence: A208311
Score: 3.32984
Type of gen. func.: ogf

$$-\frac{2 (27 x^7 - 162 x^6 + 405 x^5 - 504 x^4 + 381 x^3 - 186 x^2 + 55 x - 8)}{(3 x^2 - 3 x + 1) (27 x^6 - 126 x^5 + 180 x^4 - 132 x^3 + 60 x^2 - 14 x + 1)}$$

Sequence: A208316
Score: 10.8889
Type of gen. func.: ogf

$$\frac{3 x^{2} + 3 x - 2}{6 x^{2} + 8 x - 1}$$

Sequence: A208316
Score: 5.49629
Type of gen. func.: ogf

$$\{-a(n + 3) + 8 a(n + 2) + 6 a(n + 1), a(0) = 2, a(1) = 13, a(2) = 113\}$$

Sequence: A208316
Score: 5.7711
Type of gen. func.: ogf

$$-(-75 + 122 f(x)) (6 f(x) x^{2} + 8 f(x) x - 3 x^{2} - f(x) - 3 x + 2)$$

Sequence: A208316
Score: 7.49494
Type of gen. func.: lgdogf

$$-\frac{-6 x^{2} - 18 x - 13}{18 x^{4} + 42 x^{3} + 9 x^{2} - 19 x + 2}$$

Sequence: A208317
Score: 3.96635
Type of gen. func.: ogf

$$\{a(n + 4) - 24 a(n + 3) - 32 a(n + 2) + 24 a(n + 1), a(0) = 5, a(1) = 113,$$
$$a(2) = 2852, a(3) = 71956\}$$

Sequence: A208317
Score: 4.23076
Type of gen. func.: ogf

$$(1477849 f(x) - 601885)$$

```
               3            2       3                    2
```

```
    (24 f(x) x  - 32 f(x) x  - 12 x  - 24 f(x) x + 20 x  + f(x) + 7 x - 5)



------------------------------------------------------------------------------

Sequence:  A208317
Score: 7.71830
Type of gen. func.: ogf


                                3       2
                            12 x  - 20 x  - 7 x + 5
                            ------------------------
                                3       2
                            24 x  - 32 x  - 24 x + 1



------------------------------------------------------------------------------

Sequence:  A208318
Score: 3.79529
Type of gen. func.: ogf


                       5         4        3        2
               2 (432 x  - 1200 x  + 426 x  + 137 x  - 36 x - 7)
               -------------------------------------------------
                      5         4        3        2
                1728 x  - 4224 x  + 320 x  + 600 x  + 65 x - 1



------------------------------------------------------------------------------

Sequence:  A208327
Score: 5.40759
Type of gen. func.: ogf


           11    10    9      8    7    6    5    4      3    2
        3 x   - x   - x  + 2 x  - x  - x  + x  + x  - 2 x  + x  + x + 1
     ----------------------------------------------------------------------
               10    9    8    7    6    5    4    3    2                 2
     (x + 1) (x   - x  + x  - x  + x  - x  + x  - x  + x  - x + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A208347
Score: 4.80925
Type of gen. func.: ogf


{a(n + 4) - 10 a(n + 3) + 9 a(n + 2), a(0) = 2, a(1) = 15, a(2) = 100,

    a(3) = 868}



------------------------------------------------------------------------------

Sequence:  A208347
Score: 4.93256
Type of gen. func.: ogf


                                 2      3                   2
-(207642 f(x) + 924841) (9 f(x) x  - 3 x  - 10 f(x) x + 32 x  + f(x) + 5 x - 2)
```

Sequence: A208347
Score: 9.16048
Type of gen. func.: ogf

$$\frac{(3 x + 1) (x^2 - 11 x + 2)}{(9 x - 1) (x - 1)}$$

Sequence: A208354
Score: 10.1852
Type of gen. func.: lgdogf

$$- \frac{x^3 - 2 x^2 - 2 x - 1}{x^4 + x^3 - 2 x^2 - x + 1}$$

Sequence: A208354
Score: 10.5821
Type of gen. func.: ogf

$$\frac{(x + 1) (x - 1)^2}{(x^2 + x - 1)^2}$$

Sequence: A208354
Score: 3.67036
Type of gen. func.: ogf

$$\{(2 n^2 + 7 n + 6) a(n + 1) + (-15 - 8 n) a(n + 2) + (-4 n^2 - 14 n - 1) a(n + 3)$$

$$+ (2 n^2 + 9 n + 4) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 4\}$$

Sequence: A208354
Score: 6.12646
Type of gen. func.: ogf

$$-f(x) (f(x) x^4 + 2 f(x) x^3 - f(x) x^2 - x^3 - 2 f(x) x + x^2 + f(x) + x - 1)$$

Sequence: A208355
Score: 14.1535
Type of gen. func.: lgdogf

$$-\frac{8 x^{2} + 3 (-4 x^{2} + 1)^{1/2} + 2 x - 3}{2 x (2 x - 1) (2 x + 1)}$$

Sequence: A208355
Score: 8.61951
Type of gen. func.: lgdogf

$$-\frac{8 x^{2} + 3 (-4 x^{2} + 1)^{1/2} + 2 x - 3}{2 x (2 x - 1) (2 x + 1)}$$

Sequence: A208355
Score: 9.79005
Type of gen. func.: ogf

$$f(x)^{2} x^{3} + 2 f(x) x^{2} - f(x) x - f(x) + 2 x + 1$$

Sequence: A208370
Score: 3.64448
Type of gen. func.: ogf

$$-\frac{9 (4 x^{7} - 15 x^{6} - 10 x^{5} + 28 x^{4} + 16 x^{3} - 11 x^{2} - 8 x - 1)}{(x + 1) (4 x^{7} - 19 x^{6} + 6 x^{5} + 32 x^{4} - 6 x^{3} - 17 x^{2} - 2 x + 1)}$$

Sequence: A208375
Score: 10.7177
Type of gen. func.: lgdogf

$$-\frac{-6 x^{2} + 8 x + 10}{-x^{4} - 2 x^{3} + 10 x^{2} - 6 x - 1}$$

Sequence: A208375
Score: 10.8645
Type of gen. func.: ogf

$$\frac{10 (x^3 + 3 x^2 - 7 x - 1)}{(x - 1)^3}$$

Sequence: A208375
Score: 5.70582
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 10, a(1) = 100,

a(2) = 240, a(3) = 420}

Sequence: A208375
Score: 6.14813
Type of gen. func.: ogf

(127 f(x) - 27205)

$$(f(x) x^3 - 3 f(x) x^2 - 10 x^3 + 3 f(x) x - 30 x^2 - f(x) + 70 x + 10)$$

Sequence: A208376
Score: 10.5400
Type of gen. func.: ogf

$$\frac{16 (x^3 + x^2 - 13 x - 1)}{(x - 1)^3}$$

Sequence: A208376
Score: 11.4700
Type of gen. func.: lgdogf

$$- \frac{-4 x^2 + 24 x + 16}{-x^4 + 14 x^2 - 12 x - 1}$$

```
------------------------------------------------------------------------------

Sequence:  A208376
Score: 5.57114
Type of gen. func.: ogf


{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 16, a(1) = 256,

    a(2) = 704, a(3) = 1344}



------------------------------------------------------------------------------

Sequence:  A208376
Score: 5.90877
Type of gen. func.: ogf


(1107 f(x) - 233200)

           3           2        3                   2
    (f(x) x  - 3 f(x) x  - 16 x  + 3 f(x) x - 16 x  - f(x) + 208 x + 16)



------------------------------------------------------------------------------

Sequence:  A208377
Score: 5.18277
Type of gen. func.: ogf


{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 26, a(1) = 676,

    a(2) = 2080, a(3) = 4212}



------------------------------------------------------------------------------

Sequence:  A208377
Score: 5.37331
Type of gen. func.: ogf


(89327 f(x) - 37457953)

           3           2        3                    2
    (f(x) x  - 3 f(x) x  - 26 x  + 3 f(x) x + 130 x  - f(x) + 598 x + 26)



------------------------------------------------------------------------------

Sequence:  A208377
Score: 9.61541
Type of gen. func.: lgdogf


                                    2
                                 2 x  + 56 x + 26
                         - ------------------------------
                              4      3       2
                            -x  + 6 x  + 18 x  - 22 x - 1
```

Sequence: A208377
Score: 9.74361
Type of gen. func.: ogf

$$\frac{26 (x^3 - 5 x^2 - 23 x - 1)}{(x - 1)^3}$$

Sequence: A208378
Score: 4.35238
Type of gen. func.: ogf

$$-(7800714551 + 167058 f(x)) (f(x) x^4 - 4 f(x) x^3 - 42 x^4 + 6 f(x) x^2 + 588 x^3 - 4 f(x) x + 588 x^2 + f(x) - 1596 x - 42)$$

Sequence: A208378
Score: 7.96394
Type of gen. func.: ogf

$$\frac{42 (x^4 - 14 x^3 - 14 x^2 + 38 x + 1)}{(x - 1)^4}$$

Sequence: A208378
Score: 8.60471
Type of gen. func.: lgdogf

$$- \frac{10 x^3 + 70 x^2 - 86 x - 42}{-x^5 + 15 x^4 - 52 x^2 + 37 x + 1}$$

Sequence: A208380
Score: 4.92239
Type of gen. func.: ogf

$$4 (16 x^7 - 12 x^6 + 22 x^5 + 31 x^4 + 4 x^3 - 3 x^2 - 14 x - 2)$$
$$\text{---}$$

$$(4 x^2 + 2 x - 1) (x^4 - x^3 + 2 x^2 + x + 1)$$

Sequence: A208381
Score: 4.60024
Type of gen. func.: ogf

$$\frac{2 (162 x^7 - 81 x^6 + 153 x^5 + 210 x^4 + 17 x^3 - 2 x^2 - 45 x - 5)}{9 x^6 - 3 x^5 + 8 x^4 + 13 x^3 + 4 x^2 + x - 1}$$

Sequence: A208382
Score: 4.58264
Type of gen. func.: ogf

$$\frac{4 (256 x^7 - 96 x^6 + 184 x^5 + 250 x^4 + 15 x^3 + 3 x^2 - 33 x - 3)}{16 x^6 - 4 x^5 + 11 x^4 + 17 x^3 + 4 x^2 + x - 1}$$

Sequence: A208383
Score: 4.27165
Type of gen. func.: ogf

$$\frac{2 (1250 x^7 - 375 x^6 + 725 x^5 + 980 x^4 + 47 x^3 + 18 x^2 - 91 x - 7)}{25 x^6 - 5 x^5 + 14 x^4 + 21 x^3 + 4 x^2 + x - 1}$$

Sequence: A208384
Score: 8.41022
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{6 x^5 - x^4 + x^3 + 2 x^2 + x - 1}{-x^6 + 1}$$

Sequence: A208385
Score: 6.64612
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-6 x^4 + 4 x^3 - 5 x^2 + x - 2}{x^5 - x^4 + x^3 - x^2 + x - 1}$$

Sequence: A208387
Score: 12.2112
Type of gen. func.: ogf

$$-26 f(x) x + f(x) + 13 x - 5$$

Sequence: A208387
Score: 13.6649
Type of gen. func.: lgdogf

$$-\frac{117}{-338 x^2 + 143 x - 5}$$

Sequence: A208387
Score: 14.7161
Type of gen. func.: ogf

$$\frac{-5 + 13 x}{26 x - 1}$$

Sequence: A208387
Score: 7.65235
Type of gen. func.: ogf

$$\{a(n + 2) - 26 a(n + 1), a(0) = 5, a(1) = 117\}$$

Sequence: A208388
Score: 4.21385
Type of gen. func.: ogf

$$\{a(n + 3) - 76 a(n + 2) + 36 a(n + 1), a(0) = 14, a(1) = 1017, a(2) = 76806\}$$

Sequence: A208388
Score: 4.36991
Type of gen. func.: ogf

$$-(-3799 + 8480 f(x)) (36 f(x) x^2 - 76 f(x) x - 18 x^2 + f(x) + 47 x - 14)$$

Sequence: A208388
Score: 5.18627
Type of gen. func.: lgdogf

$$- \frac{324 x^2 - 972 x + 1017}{-648 x^4 + 3060 x^3 - 4094 x^2 + 1111 x - 14}$$

Sequence: A208388
Score: 8.13709
Type of gen. func.: ogf

$$\frac{18 x^2 - 47 x + 14}{36 x^2 - 76 x + 1}$$

Sequence: A208389
Score: 3.09021
Type of gen. func.: ogf

$\{a(n + 4) - 222 a(n + 3) + 612 a(n + 2) - 432 a(n + 1), a(0) = 41, a(1) = 8838,$

$a(2) = 1937736, a(3) = 424785708\}$

Sequence: A208389
Score: 5.87894
Type of gen. func.: ogf

$$\frac{540 x^3 - 792 x^2 + 264 x - 41}{432 x^3 - 612 x^2 + 222 x - 1}$$

Sequence: A208393

Score: 4.83379
Type of gen. func.: ogf

$$\{-a(n+4) + 8\,a(n+3) + 6\,a(n+2),\ a(0) = 2,\ a(1) = 14,\ a(2) = 117,\ a(3) = 1017\}$$

Sequence: A208393
Score: 5.37087
Type of gen. func.: ogf

$$(20553\,f(x) + 6901)\,(6\,f(x)\,x^2 - 3\,x^3 + 8\,f(x)\,x - 7\,x^2 - f(x) - 2\,x + 2)$$

Sequence: A208393
Score: 9.50910
Type of gen. func.: ogf

$$\frac{(x+1)\,(3\,x^2 + 4\,x - 2)}{6\,x^2 + 8\,x - 1}$$

Sequence: A208394
Score: 5.65499
Type of gen. func.: ogf

$$\frac{24\,x^5 + 4\,x^4 - 78\,x^3 - 42\,x^2 + 12\,x + 5}{(2\,x + 1)\,(24\,x^3 - 32\,x^2 - 24\,x + 1)}$$

Sequence: A208402
Score: 4.03839
Type of gen. func.: ogf

$$-(26182485\,f(x) + 13313582)\,(64\,f(x)\,x^3 - 84\,f(x)\,x^2 + 21\,f(x)\,x + 40\,x^2 - f(x) - 27\,x + 2)$$

Sequence: A208402
Score: 4.58596
Type of gen. func.: ogf

$$\{-a(n+3) + 21\, a(n+2) - 84\, a(n+1) + 64\, a(n),\ a(0) = 2,\ a(1) = 15,\ a(2) = 187\}$$

Sequence: A208402
Score: 8.19914
Type of gen. func.: ogf

$$-\frac{40 x^2 - 27 x + 2}{(x-1)(4x-1)(16x-1)}$$

Sequence: A208403
Score: 4.63619
Type of gen. func.: ogf

$$\{a(n+3) - 70\, a(n+2) + 441\, a(n+1),\ a(0) = 5,\ a(1) = 182,\ a(2) = 10682\}$$

Sequence: A208403
Score: 4.85487
Type of gen. func.: ogf

$$-(44 f(x) - 51)(441 f(x) x^2 - 70 f(x) x - 147 x^2 + f(x) + 168 x - 5)$$

Sequence: A208403
Score: 5.41702
Type of gen. func.: lgdogf

$$-\frac{63798 x^2 - 4116 x + 182}{-64827 x^4 + 84378 x^3 - 14112 x^2 + 518 x - 5}$$

Sequence: A208403
Score: 8.57695
Type of gen. func.: ogf

$$\frac{147 x^2 - 168 x + 5}{(63x-1)(7x-1)}$$

Sequence: A208404
Score: 4.45891
Type of gen. func.: ogf

$$\frac{192 x^4 - 1276 x^3 + 2349 x^2 - 1232 x + 15}{(4 x^2 - 13 x + 1) (144 x^2 - 249 x + 1)}$$

Sequence: A208409
Score: 5.32980
Type of gen. func.: ogf

$$\frac{(x + 1) (8 x^4 + 22 x^3 - 3 x^2 - 23 x + 2)}{(2 x^2 + 3 x - 1) (12 x^2 + 15 x - 1)}$$

Sequence: A208421
Score: 5.99488
Type of gen. func.: ogf

$$- \frac{9 (2 x^4 - 3 x^3 - 5 x^2 + 6 x + 1)}{2 x^5 - 3 x^4 - 6 x^3 + 7 x^2 + 3 x - 1}$$

Sequence: A208428
Score: 14.0052
Type of gen. func.: ogf

$$\frac{2 (x^2 - 3 x - 1)}{4 x - 1}$$

Sequence: A208428
Score: 7.32829
Type of gen. func.: ogf

{-a(n + 3) + 4 a(n + 2), a(0) = 2, a(1) = 14, a(2) = 54}

Sequence: A208428
Score: 8.18486
Type of gen. func.: ogf

$$(13 f(x) + 23) (4 f(x) x - 2 x^2 - f(x) + 6 x + 2)$$

Sequence: A208428
Score: 9.69589
Type of gen. func.: lgdogf

$$- \frac{4 x^2 - 2 x + 7}{-4 x^3 + 13 x^2 + x - 1}$$

Sequence: A208435
Score: 5.89655
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{4 x^{11} - x^{10} + 3 x^9 - 2 x^8 - x^6 + 4 x^5 - x^4 - 2 x^2 + 3 x - 1}{-x^{12} + 1}$$

Sequence: A208439
Score: 6.08904
Type of gen. func.: ogf

$$- \frac{2 (x - 1) (6 x^3 + 3 x^2 + 8 x + 3)}{8 x^5 - 8 x^4 + 7 x^3 - 10 x^2 - 3 x + 1}$$

Sequence: A208451
Score: 11.9164
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{4 x^3 + 4 x^2 + 6 x + 4}{-x^4 + 1}$$

Sequence: A208457
Score: 5.89655
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4x^{11}+x^{10}+2x^9+2x^8+x^6+2x^5+x^4+2x^2+2x+1}{-x^{12}+1}$$

Sequence: A208473
Score: 3.25765
Type of gen. func.: ogf

$$\{(-16n^2-64n-60)a(n+1)+(-16n^2-72n-80)a(n+2)$$
$$+(n^2+5n+6)a(n+3), a(0)=1, a(1)=6, a(2)=78\}$$

Sequence: A208481
Score: 14.3348
Type of gen. func.: ogf

$$\frac{x-1}{x^4+x^3+3x-1}$$

Sequence: A208481
Score: 6.97012
Type of gen. func.: ogf

$$-(78f(x)-31)(f(x)x^4+f(x)x^3+3f(x)x-f(x)-x+1)$$

Sequence: A208481
Score: 9.04455
Type of gen. func.: lgdogf

$$-\frac{3x^4-2x^3-3x^2-2}{x^5-x^3+3x^2-4x+1}$$

Sequence: A208485
Score: 11.0551
Type of gen. func.: ogf

$$-\frac{8\,(28\,x-19)}{14\,x^{2}-11\,x+1}$$

Sequence: A208485
Score: 5.52754
Type of gen. func.: ogf

$$-(1459\,f(x)+40320)\,(14\,f(x)\,x^{2}-11\,f(x)\,x+f(x)+224\,x-152)$$

Sequence: A208485
Score: 6.33493
Type of gen. func.: ogf

$$\{a(n+2)-11\,a(n+1)+14\,a(n),\ a(0)=152,\ a(1)=1448\}$$

Sequence: A208485
Score: 7.32219
Type of gen. func.: lgdogf

$$-\frac{-392\,x^{2}+532\,x-181}{-392\,x^{3}+574\,x^{2}-237\,x+19}$$

Sequence: A208486
Score: 4.22250
Type of gen. func.: ogf

$$-\frac{8\,(832\,x^{4}+2664\,x^{3}-4084\,x^{2}+1615\,x-181)}{104\,x^{5}+328\,x^{4}-528\,x^{3}+227\,x^{2}-32\,x+1}$$

Sequence: A208496
Score: 4.20622
Type of gen. func.: ogf

$$2 (2 x^{10} - 6 x^9 - 2 x^8 - 12 x^7 + 11 x^6 - 3 x^5 - 9 x^4 - 33 x^3 - 27 x^2 - 18 x - 3) / (x^9 + x^7 - 2 x^6 + 2 x^5 + 2 x^4 + 4 x^3 + x^2 - 1)$$

Sequence: A208502
Score: 10.5888
Type of gen. func.: ogf

$$\frac{9 (14 x^3 - x^2 - 8 x - 1)}{4 x^2 + x - 1}$$

Sequence: A208502
Score: 5.69483
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 3) + 4 a(n + 2), a(0) = 9, a(1) = 81, a(2) = 126, a(3) = 324\}$$

Sequence: A208502
Score: 6.10526
Type of gen. func.: ogf

$$(2123 f(x) + 50205) (4 f(x) x^2 - 126 x^3 + f(x) x + 9 x^2 - f(x) + 72 x + 9)$$

Sequence: A208503
Score: 4.08606
Type of gen. func.: ogf

$$\{a(n + 5) - a(n + 4) - 6 a(n + 3) + 3 a(n + 2), a(0) = 13, a(1) = 169, a(2) = 234, a(3) = 650, a(4) = 1794\}$$

Sequence: A208503

Score: 4.28064
Type of gen. func.: ogf

$$(168479 f(x) - 25618463) (3 f(x) x^3 - 247 x^4 - 6 f(x) x^2 + 559 x^3 - f(x) x + 13 x^2 + f(x) - 156 x - 13)$$

Sequence: A208503
Score: 7.40299
Type of gen. func.: ogf

$$\frac{13 (19 x^4 - 43 x^3 - x^2 + 12 x + 1)}{3 x^3 - 6 x^2 - x + 1}$$

Sequence: A208504
Score: 5.38998
Type of gen. func.: ogf

$$\frac{19 (40 x^6 - 52 x^5 - 113 x^4 + 96 x^3 + 21 x^2 - 17 x - 1)}{4 x^5 - 4 x^4 - 11 x^3 + 7 x^2 + 2 x - 1}$$

Sequence: A208505
Score: 4.81910
Type of gen. func.: ogf

$$\frac{28 (136 x^6 - 160 x^5 - 170 x^4 + 170 x^3 + 32 x^2 - 26 x - 1)}{8 x^5 - 8 x^4 - 10 x^3 + 8 x^2 + 2 x - 1}$$

Sequence: A208528
Score: 11.4557
Type of gen. func.: egf]

$$-f(x) x^2 + 2 f(x) x - f(x) + 4 x$$

Sequence: A208528
Score: 18.2671
Type of gen. func.: egf]

$$\frac{4x}{(x-1)^2}$$

Sequence: A208528
Score: 24.1387
Type of gen. func.: lgdegf]

$$\frac{2}{-x+1}$$

Sequence: A208528
Score: 6.08904
Type of gen. func.: ogf

$$\{(-n^2 - 4n - 4) a(n+1) + (n+1) a(n+2), a(0) = 0, a(1) = 4\}$$

Sequence: A208529
Score: 16.5107
Type of gen. func.: egf]

$$-f(x) x + f(x) - 2$$

Sequence: A208529
Score: 27.0775
Type of gen. func.: egf]

$$-\frac{2}{x-1}$$

Sequence: A208529
Score: 28.2058
Type of gen. func.: lgdegf]

$$\frac{1}{-x+1}$$

Sequence: A208529
Score: 7.69248
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 1) + a(n + 2), a(0) = 2, a(1) = 2\}$$

Sequence: A208531
Score: 5.12646
Type of gen. func.: ogf

$$\frac{4 x^{11} - 6 x^{10} + 6 x^{9} - 10 x^{8} + 7 x^{7} - 7 x^{6} + 8 x^{5} - 2 x^{4} + 4 x^{2} - 4 x + 2}{(x - 1)^{4}}$$

Sequence: A208536
Score: 16.4495
Type of gen. func.: lgdogf

$$- \frac{4 x + 8}{x^{2} - 1}$$

Sequence: A208536
Score: 34.1623
Type of gen. func.: ogf_with_Euler_transform]

$$[8 - 2 x]$$

Sequence: A208536
Score: 5.48317
Type of gen. func.: ogf

$$\{(n + 1) a(n + 3) - 8 a(n + 2) + (-3 - n) a(n + 1), a(0) = 0, a(1) = 0,$$

$$a(2) = 6\}$$

Sequence: A208536
Score: 7.46163

Type of gen. func.: ogf

$$\frac{6 x^2 (x + 1)^2}{(x - 1)^6}$$

Sequence: A208537
Score: 4.96764
Type of gen. func.: ogf

$$\frac{6 x^2 (3 x^4 + 28 x^3 + 58 x^2 + 28 x + 3)}{(x - 1)^8}$$

Sequence: A208545
Score: 5.22210
Type of gen. func.: ogf

$$\frac{3 x^2 (3 x^4 + 28 x^3 + 58 x^2 + 28 x + 3)}{(x - 1)^8}$$

Sequence: A208556
Score: 5.07635
Type of gen. func.: ogf

$$-(1213 f(x) + 8484)$$

$$(8 f(x) x^3 - 6 f(x) x^2 - 3 f(x) x + 72 x^2 + f(x) - 54 x - 9)$$

Sequence: A208556
Score: 5.42948
Type of gen. func.: ogf

$\{-a(n + 3) + 3 a(n + 2) + 6 a(n + 1) - 8 a(n), a(0) = 9, a(1) = 81, a(2) = 225\}$

Sequence: A208556
Score: 9.91095
Type of gen. func.: ogf

$$-\frac{9\,(8\,x^2 - 6\,x - 1)}{(x - 1)\,(2\,x + 1)\,(4\,x - 1)}$$

Sequence: A208557
Score: 4.03946
Type of gen. func.: ogf

$$(1663\,f(x) - 818484)\,(36\,f(x)\,x^4 - 6\,f(x)\,x^3 - 17\,f(x)\,x^2 + 432\,x^3 - f(x)\,x - 72\,x^2 + f(x) - 132\,x - 12)$$

Sequence: A208557
Score: 7.27104
Type of gen. func.: ogf

$$-\frac{12\,(36\,x^3 - 6\,x^2 - 11\,x - 1)}{(3\,x^2 - x - 1)\,(12\,x^2 + 2\,x - 1)}$$

Sequence: A208558
Score: 4.56168
Type of gen. func.: ogf

$$-(83467\,f(x) + 1830528)\,(27\,f(x)\,x^3 - 12\,f(x)\,x^2 - 4\,f(x)\,x + 432\,x^2 + f(x) - 192\,x - 16)$$

Sequence: A208558
Score: 5.06002
Type of gen. func.: ogf

$$\{-a(n + 3) + 4\,a(n + 2) + 12\,a(n + 1) - 27\,a(n),\ a(0) = 16,\ a(1) = 256,\ a(2) = 784\}$$

Sequence: A208558
Score: 8.85503
Type of gen. func.: ogf

$$-\frac{16\,(27\,x^2-12\,x-1)}{(3\,x+1)\,(9\,x^2-7\,x+1)}$$

Sequence: A208559
Score: 3.58453
Type of gen. func.: ogf

$$(45223\,f(x)-123659220)\,(144\,f(x)\,x^4-12\,f(x)\,x^3-31\,f(x)\,x^2+2880\,x^3 - f(x)\,x-240\,x^2+f(x)-380\,x-20)$$

Sequence: A208559
Score: 6.48438
Type of gen. func.: ogf

$$-\frac{20\,(144\,x^3-12\,x^2-19\,x-1)}{144\,x^4-12\,x^3-31\,x^2-x+1}$$

Sequence: A208561
Score: 11.1351
Type of gen. func.: ogf

$$\frac{2\,(x-1)\,(2\,x-1)}{8\,x^2-8\,x+1}$$

Sequence: A208561
Score: 5.67461
Type of gen. func.: ogf

$$\{a(n+3)-8\,a(n+2)+8\,a(n+1),\ a(0)=2,\ a(1)=10,\ a(2)=68\}$$

Sequence: A208561
Score: 5.84316
Type of gen. func.: ogf

$$-(-184 + 717 f(x)) (8 f(x) x^2 - 8 f(x) x - 4 x^2 + f(x) + 6 x - 2)$$

Sequence: A208561
Score: 7.66440
Type of gen. func.: lgdogf

$$-\frac{8 x^2 - 12 x + 5}{-16 x^4 + 40 x^3 - 34 x^2 + 11 x - 1}$$

Sequence: A208562
Score: 2.88413
Type of gen. func.: ogf

$$-(-4904851 + 14191281 f(x)) (60 f(x) x^4 - 180 f(x) x^3 - 30 x^4 + 110 f(x) x^2 + 110 x^3 - 22 f(x) x - 113 x^2 + f(x) + 42 x - 5)$$

Sequence: A208562
Score: 5.17360
Type of gen. func.: ogf

$$\frac{30 x^4 - 110 x^3 + 113 x^2 - 42 x + 5}{60 x^4 - 180 x^3 + 110 x^2 - 22 x + 1}$$

Sequence: A208589
Score: 4.91386
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^5 + x^4 - x^3 + x^2 - x + 2}{-x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 1}$$

Sequence: A208598
Score: 10.1564
Type of gen. func.: ogf

$$-\frac{x^3 - 4 x^2 + x - 6}{(x - 1)^4}$$

Sequence: A208598
Score: 3.99002
Type of gen. func.: ogf

$$\{(161 n^2 + 967 n + 1290) a(n + 1) + (-30 n^2 + 816 n + 2718) a(n + 2)$$
$$+ (-131 n^2 - 907 n - 1542) a(n + 3), a(0) = 6, a(1) = 23, a(2) = 60\}$$

Sequence: A208598
Score: 5.43085
Type of gen. func.: ogf

$$(5128 f(x) + 30205)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + x^3 - 4 f(x) x - 4 x^2 + f(x) + x - 6)$$

Sequence: A208598
Score: 9.65485
Type of gen. func.: lgdogf

$$-\frac{-x^3 + 5 x^2 + 5 x + 23}{-x^4 + 5 x^3 - 5 x^2 + 7 x - 6}$$

Sequence: A208599
Score: 7.26459
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 4 x^3 - 36 x^2 - 120 x - 77}{-x^5 + 5 x^4 - 20 x^3 - 6 x^2 + 11 x + 11}$$

Sequence: A208599
Score: 7.63523
Type of gen. func.: ogf

$$-\frac{x^4 - 4 x^3 + 16 x^2 + 22 x + 11}{(x - 1)^5}$$

Sequence: A208600
Score: 5.98087
Type of gen. func.: ogf

$$-\frac{x^5 - 6 x^4 - 8 x^3 - 172 x^2 - 141 x - 26}{(x - 1)^6}$$

Sequence: A208601
Score: 4.65193
Type of gen. func.: ogf

$$-\frac{x^6 - 6 x^5 + 71 x^4 + 750 x^3 + 1727 x^2 + 764 x + 57}{(x - 1)^7}$$

Sequence: A208603
Score: 4.14914
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^9 - x^8 + x^7 - x^2 + x - 2}{x^{11} + x^{10} + x^9 + x^8 + x^3 + x^2 + x + 1}$$

Sequence: A208633
Score: 10.1493
Type of gen. func.: ogf

$$-\frac{4 x^2 - 17 x + 8}{x^3 - 6 x^2 + 5 x - 1}$$

Sequence: A208633
Score: 5.07463
Type of gen. func.: ogf

$$-(64501 f(x) + 33660) (f(x) x^3 - 6 f(x) x^2 + 5 f(x) x + 4 x^2 - f(x) - 17 x + 8)$$

Sequence: A208633
Score: 5.51977
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 6 a(n + 1) + a(n), a(0) = 8, a(1) = 23, a(2) = 71\}$$

Sequence: A208634
Score: 4.92721
Type of gen. func.: ogf

$$-(2977 f(x) + 11244) (4 f(x) x^3 - 10 f(x) x^2 + 6 f(x) x + 28 x^2 - f(x) - 49 x + 16)$$

Sequence: A208634
Score: 5.30621
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 10 a(n + 1) + 4 a(n), a(0) = 16, a(1) = 47, a(2) = 150\}$$

Sequence: A208634
Score: 9.55118
Type of gen. func.: ogf

$$-\frac{28 x^2 - 49 x + 16}{(2 x - 1) (2 x^2 - 4 x + 1)}$$

Sequence: A208635
Score: 3.85907

Type of gen. func.: ogf

$$-(14695501342 f(x) + 21345658621) (f(x) x^4 - 10 f(x) x^3 + 15 f(x) x^2 + 16 x^3 - 7 f(x) x - 124 x^2 + f(x) + 129 x - 32)$$

Sequence: A208635
Score: 7.67273
Type of gen. func.: ogf

$$-\frac{16 x^3 - 124 x^2 + 129 x - 32}{(x - 1) (x^3 - 9 x^2 + 6 x - 1)}$$

Sequence: A208636
Score: 3.65804
Type of gen. func.: ogf

$$(221895693930 f(x) + 2448791382451) (5 f(x) x^4 - 20 f(x) x^3 + 21 f(x) x^2 + 144 x^3 - 8 f(x) x - 444 x^2 + f(x) + 321 x - 64)$$

Sequence: A208636
Score: 7.18847
Type of gen. func.: ogf

$$-\frac{144 x^3 - 444 x^2 + 321 x - 64}{(x^2 - 3 x + 1) (5 x^2 - 5 x + 1)}$$

Sequence: A208638
Score: 10.3022
Type of gen. func.: lgdogf

$$-\frac{-12 x^2 + 27 x - 13}{-6 x^3 + 17 x^2 - 15 x + 4}$$

Sequence: A208638
Score: 13.4123
Type of gen. func.: ogf

$$\frac{3 x - 4}{(2 x - 1) (x - 1)^2}$$

Sequence: A208638
Score: 6.23554
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 4, a(1) = 13, a(2) = 32\}$$

Sequence: A208638
Score: 6.46228
Type of gen. func.: ogf

$$(4401 f(x) - 28916) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x - f(x) - 3 x + 4)$$

Sequence: A208639
Score: 4.50298
Type of gen. func.: ogf

$$(602699 f(x) - 7182808) (2 f(x) x^4 - 7 f(x) x^3 - 2 x^4 + 9 f(x) x^2 - 5 f(x) x + 3 x^2 + f(x) + 6 x - 8)$$

Sequence: A208639
Score: 8.65506
Type of gen. func.: ogf

$$\frac{2 x^4 - 3 x^2 - 6 x + 8}{(2 x - 1) (x - 1)^3}$$

Sequence: A208640

Score: 5.89782
Type of gen. func.: ogf

$$\frac{4 x^6 + 2 x^5 - 16 x^4 - 8 x^3 + 26 x^2 + 7 x - 16}{(2 x - 1) (x - 1)^4}$$

Sequence: A208641
Score: 4.66090
Type of gen. func.: ogf

$$\frac{8 x^8 + 4 x^7 - 34 x^6 - 37 x^5 + 85 x^4 + 74 x^3 - 140 x^2 + 9 x + 32}{(2 x - 1) (x - 1)^5}$$

Sequence: A208642
Score: 3.74330
Type of gen. func.: ogf

$$(16 x^{10} + 8 x^9 - 78 x^8 - 77 x^7 + 144 x^6 + 378 x^5 - 428 x^4 - 402 x^3 + 600 x^2 - 98 x - 64) \Big/ ((2 x - 1) (x - 1)^6)$$

Sequence: A208658
Score: 4.45826
Type of gen. func.: ogf

$$-(964 f(x) - 27575)$$

$$(4 f(x) x^4 - 12 f(x) x^3 + 13 f(x) x^2 - 2 x^3 - 6 f(x) x + 7 x^2 + f(x) - 4 x)$$

Sequence: A208658
Score: 7.51683
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 42 x^2 + 49 x - 17}{4 x^4 - 20 x^3 + 31 x^2 - 19 x + 4}$$

Sequence: A208658
Score: 8.61929
Type of gen. func.: ogf

$$\frac{x (2 x^2 - 7 x + 4)}{(x - 1)^2 (2 x - 1)^2}$$

Sequence: A208672
Score: 5.22038
Type of gen. func.: ogf

$$- \frac{x^{22} - x^{21} + x^{11} - 2 x^7 - 2 x^6 - x^5 - 2 x^4 - 2 x^3 - 2 x^2 - 2 x - 1}{(x + 1) (x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A208674
Score: 7.86797
Type of gen. func.: ogf

$$- \frac{4 x^4 + 2 x^3 + 6 x^2 - 4 x + 1}{(2 x^2 + 2 x - 1) (2 x^3 - 3 x^2 - 3 x + 1)}$$

Sequence: A208689
Score: 10.6274
Type of gen. func.: ogf

$$- \frac{6 (3 x^2 - 4 x - 1)}{(3 x - 1) (x^2 - x - 1)}$$

Sequence: A208689
Score: 5.3137
Type of gen. func.: ogf

-(67333 f(x) + 234000)

3 2 2

$(3 f(x) x - 4 f(x) x - 2 f(x) x + 18 x + f(x) - 24 x - 6)$

Sequence: A208689
Score: 5.87304
Type of gen. func.: ogf

$\{-a(n + 3) + 2 a(n + 2) + 4 a(n + 1) - 3 a(n), a(0) = 6, a(1) = 36, a(2) = 78\}$

Sequence: A208689
Score: 6.69527
Type of gen. func.: lgdogf

$$-\frac{-9 x^4 + 24 x^3 - 13 x^2 - 2 x - 6}{-9 x^5 + 24 x^4 - 7 x^3 - 15 x^2 + 2 x + 1}$$

Sequence: A208690
Score: 4.31909
Type of gen. func.: ogf

$(38047 f(x) - 772360) (10 f(x) x^4 - 2 f(x) x^3 - 10 f(x) x^2 + 90 x^3 - f(x) x$

$- 18 x^2 + f(x) - 72 x - 9)$

Sequence: A208690
Score: 7.95344
Type of gen. func.: ogf

$$-\frac{9 (10 x^3 - 2 x^2 - 8 x - 1)}{10 x^4 - 2 x^3 - 10 x^2 - x + 1}$$

Sequence: A208691
Score: 3.99472
Type of gen. func.: ogf

$(284573 f(x) - 19698224) (32 f(x) x^4 - 4 f(x) x^3 - 17 f(x) x^2 + 448 x^3 - f(x) x$

^{2}

$$- 56 x + f(x) - 182 x - 14)$$

Sequence: A208691
Score: 7.37848
Type of gen. func.: ogf

$$- \frac{14 (32 x^3 - 4 x^2 - 13 x - 1)}{32 x^4 - 4 x^3 - 17 x^2 - x + 1}$$

Sequence: A208692
Score: 3.40562
Type of gen. func.: ogf

$$(761317357 f(x) - 104377322868) (78 f(x) x^4 - 6 f(x) x^3 - 26 f(x) x^2 + 1638 x^3 - f(x) x - 126 x^2 + f(x) - 420 x - 21)$$

Sequence: A208692
Score: 6.49807
Type of gen. func.: ogf

$$- \frac{21 (78 x^3 - 6 x^2 - 20 x - 1)}{78 x^4 - 6 x^3 - 26 x^2 - x + 1}$$

Sequence: A208693
Score: 3.78051
Type of gen. func.: ogf

$$(1275071 f(x) - 374981580) (180 f(x) x^4 - 9 f(x) x^3 - 39 f(x) x^2 + 5580 x^3 - f(x) x - 279 x^2 + f(x) - 930 x - 31)$$

Sequence: A208693
Score: 6.95959
Type of gen. func.: ogf

$$-\frac{31\,(180\,x^3 - 9\,x^2 - 30\,x - 1)}{(5\,x + 1)\,(36\,x^3 - 9\,x^2 - 6\,x + 1)}$$

Sequence: A208704
Score: 11.8101
Type of gen. func.: ogf

$$\{a(n + 1) - 7\,a(n),\ a(0) = 4\}$$

Sequence: A208704
Score: 14.9787
Type of gen. func.: ogf

$$-7\,f(x)\,x + f(x) - 4$$

Sequence: A208704
Score: 21.9330
Type of gen. func.: lgdogf

$$\frac{7}{-7\,x + 1}$$

Sequence: A208704
Score: 24.5650
Type of gen. func.: ogf

$$-\frac{4}{7\,x - 1}$$

Sequence: A208705
Score: 10.5479
Type of gen. func.: ogf

$$-\frac{4\,(x - 2)}{4\,x^2 - 13\,x + 1}$$

Sequence: A208705
Score: 5.21724
Type of gen. func.: ogf

$$-(309 f(x) + 28) (4 f(x) x^2 - 13 f(x) x + f(x) + 4 x - 8)$$

Sequence: A208705
Score: 5.70827
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1) + 4 a(n), a(0) = 8, a(1) = 100\}$$

Sequence: A208705
Score: 7.13534
Type of gen. func.: lgdogf

$$- \frac{-4 x^2 + 16 x - 25}{-4 x^3 + 21 x^2 - 27 x + 2}$$

Sequence: A208706
Score: 3.44998
Type of gen. func.: ogf

$$\{a(n + 4) - 24 a(n + 3) + 28 a(n + 2) - 16 a(n + 1), a(0) = 16, a(1) = 356, a(2) = 8128, a(3) = 185344\}$$

Sequence: A208706
Score: 3.59784
Type of gen. func.: ogf

$$-(241712 + 526173 f(x)) (16 f(x) x^3 - 28 f(x) x^2 - 16 x^3 + 24 f(x) x + 32 x^2 - f(x) - 28 x + 16)$$

Sequence: A208706
Score: 6.62759
Type of gen. func.: ogf

$$\frac{4\,(4\,x^{3} - 8\,x^{2} + 7\,x - 4)}{16\,x^{3} - 28\,x^{2} + 24\,x - 1}$$

Sequence: A208710
Score: 4.31041
Type of gen. func.: ogf

$-(201\,f(x) - 1604)$

$$(2\,f(x)\,x^{4} - f(x)\,x^{3} - 9\,f(x)\,x^{2} + 4\,x^{3} - 5\,f(x)\,x + f(x) - 12\,x - 4)$$

Sequence: A208710
Score: 8.55923
Type of gen. func.: ogf

$$-\frac{4\,(x^{3} - 3\,x - 1)}{(x + 1)\,(2\,x^{3} - 3\,x^{2} - 6\,x + 1)}$$

Sequence: A208736
Score: 6.26568
Type of gen. func.: ogf

$$-5\,f(x)\,x^{4} + 3\,x^{5} + 20\,f(x)\,x^{3} - 3\,x^{4} - 21\,f(x)\,x^{2} + x^{3} + 8\,f(x)\,x - f(x)$$

Sequence: A208736
Score: 9.27954
Type of gen. func.: ogf

$$\frac{x^{3}\,(3\,x^{2} - 3\,x + 1)}{(x^{2} - 3\,x + 1)\,(5\,x^{2} - 5\,x + 1)}$$

Sequence: A208737
Score: 7.43139
Type of gen. func.: ogf

$$-\frac{x^3\,(3\,x^2-3\,x+1)}{(x-1)\,(3\,x-1)\,(3\,x^3-9\,x^2+6\,x-1)}$$

Sequence: A208778
Score: 10.2515
Type of gen. func.: ogf

$$\frac{26\,(22\,x^3+21\,x^2-25\,x-1)}{x^2+x-1}$$

Sequence: A208778
Score: 5.76116
Type of gen. func.: ogf

{-a(n + 4) + a(n + 3) + a(n + 2), a(0) = 26, a(1) = 676, a(2) = 156, a(3) = 260
}

Sequence: A208778
Score: 5.95811
Type of gen. func.: ogf

$$(4113\,f(x)+4022278)\,(f(x)\,x^2-572\,x^3+f(x)\,x-546\,x^2-f(x)+650\,x+26)$$

Sequence: A208779
Score: 5.57574
Type of gen. func.: ogf

{-a(n + 4) + a(n + 3) + a(n + 2), a(0) = 42, a(1) = 1764, a(2) = 252,
a(3) = 420}

Sequence: A208779
Score: 5.62181
Type of gen. func.: ogf

(4091 f(x) + 10908114)

2 3 2

$$(f(x) x - 1596 x + f(x) x - 1554 x - f(x) + 1722 x + 42)$$

Sequence: A208779
Score: 9.58084
Type of gen. func.: ogf

$$\frac{42 (38 x^3 + 37 x^2 - 41 x - 1)}{x^2 + x - 1}$$

Sequence: A208790
Score: 4.23314
Type of gen. func.: ogf

$$(2633 f(x) - 5712) (4 f(x) x^4 - 10 f(x) x^3 - 16 f(x) x^2 + 8 x^3 - 2 f(x) x - 4 x^2 + f(x) - 18 x - 6)$$

Sequence: A208790
Score: 7.72548
Type of gen. func.: ogf

$$- \frac{2 (x + 1) (4 x^2 - 6 x - 3)}{4 x^4 - 10 x^3 - 16 x^2 - 2 x + 1}$$

Sequence: A208826
Score: 5.51793
Type of gen. func.: ogf

$$- \frac{x^6 - 2 x^5 + 5 x^4 + 30 x^3 + 27 x^2 + 24 x + 7}{(x + 1)^2 (x - 1)^5}$$

Sequence: A208827
Score: 6.17826
Type of gen. func.: ogf

$$-\frac{x^5 - 6x^4 + 2x^3 - 96x^2 - 59x - 18}{(x-1)^6}$$

Sequence: A208828
Score: 3.74856
Type of gen. func.: ogf

$$-(x^9 - 4x^8 + 28x^7 + 462x^6 + 2126x^5 + 4100x^4 + 4180x^3 + 2050x^2 + 481x + 32) / ((x+1)^3 (x-1)^7)$$

Sequence: A208841
Score: 10.1032
Type of gen. func.: ogf

$$-\frac{9(6x^2 - 7x - 1)}{6x^3 - 7x^2 - 2x + 1}$$

Sequence: A208841
Score: 4.9727
Type of gen. func.: ogf

$$-(505099 f(x) + 3445794)$$

$$(6 f(x) x^3 - 7 f(x) x^2 - 2 f(x) x + 54 x^2 + f(x) - 63 x - 9)$$

Sequence: A208841
Score: 5.53482
Type of gen. func.: ogf

$\{a(n + 3) - 2 a(n + 2) - 7 a(n + 1) + 6 a(n), a(0) = 9, a(1) = 81, a(2) = 171\}$

Sequence: A208842
Score: 4.40011
Type of gen. func.: ogf

$-(62194301 f(x) + 757049216)$

$(11 f(x) x^3 - 12 f(x) x^2 - 2 f(x) x + 154 x^2 + f(x) - 168 x - 14)$

Sequence: A208842
Score: 5.06567
Type of gen. func.: ogf

$\{-a(n + 3) + 2 a(n + 2) + 12 a(n + 1) - 11 a(n), a(0) = 14, a(1) = 196,$

$a(2) = 406\}$

Sequence: A208842
Score: 8.86493
Type of gen. func.: ogf

$$- \frac{14 (11 x^2 - 12 x - 1)}{11 x^3 - 12 x^2 - 2 x + 1}$$

Sequence: A208843
Score: 3.88415
Type of gen. func.: ogf

$-(1797257333 f(x) + 36748175728)$

$(19 f(x) x^3 - 20 f(x) x^2 - 2 f(x) x + 418 x^2 + f(x) - 440 x - 22)$

Sequence: A208843
Score: 4.60224
Type of gen. func.: ogf

$\{-a(n + 3) + 2 a(n + 2) + 20 a(n + 1) - 19 a(n), a(0) = 22, a(1) = 484,$

$a(2) = 990\}$

Sequence: A208843
Score: 8.05391
Type of gen. func.: ogf

$$22 (19 x^2 - 20 x - 1)$$

$$- \frac{}{19 x^3 - 20 x^2 - 2 x + 1}$$

Sequence: A208844
Score: 4.22375
Type of gen. func.: ogf

-(13124209121 f(x) + 441531920480)

$$(32 f(x) x^3 - 33 f(x) x^2 - 2 f(x) x + 1120 x^2 + f(x) - 1155 x - 35)$$

Sequence: A208844
Score: 5.06152
Type of gen. func.: ogf

{-a(n + 3) + 2 a(n + 2) + 33 a(n + 1) - 32 a(n), a(0) = 35, a(1) = 1225,

a(2) = 2485}

Sequence: A208844
Score: 8.74920
Type of gen. func.: ogf

$$- \frac{35 (32 x^2 - 33 x - 1)}{32 x^3 - 33 x^2 - 2 x + 1}$$

Sequence: A208845
Score: 10.0892
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-2 x^3 + 2 x^2 - 4 x + 2}{x^4 - 1}$$

Sequence: A208858
Score: 3.63696
Type of gen. func.: ogf

{-a(n + 4) + 17 a(n + 3) - 48 a(n + 2) + 36 a(n + 1), a(0) = 2, a(1) = 11,

a(2) = 127, a(3) = 1691}

Sequence: A208858
Score: 3.85573
Type of gen. func.: ogf

$$(22134 f(x) + 37823) (36 f(x) x^3 - 48 f(x) x^2 - 12 x^3 + 17 f(x) x + 36 x^2 - f(x) - 23 x + 2)$$

Sequence: A208858
Score: 6.83748
Type of gen. func.: ogf

$$\frac{12 x^3 - 36 x^2 + 23 x - 2}{(2 x - 1) (18 x^2 - 15 x + 1)}$$

Sequence: A208859
Score: 4.50619
Type of gen. func.: ogf

$$\frac{240 x^5 - 1710 x^4 + 3389 x^3 - 1318 x^2 + 168 x - 5}{(2 x - 1) (360 x^4 - 1233 x^3 + 489 x^2 - 57 x + 1)}$$

Sequence: A208866
Score: 3.11991
Type of gen. func.: ogf

$$(1683922860 f(x) - 325010153) (9 f(x) x^4 - 42 f(x) x^3 - 3 x^4 + 55 f(x) x^2 + 19 x^3 - 18 f(x) x - 37 x^2 + f(x) + 24 x - 2)$$

Sequence: A208866
Score: 5.75982
Type of gen. func.: ogf

$$\frac{3 x^4 - 19 x^3 + 37 x^2 - 24 x + 2}{(x^2 - 3 x + 1) (9 x^2 - 15 x + 1)}$$

Sequence: A208867
Score: 4.93158
Type of gen. func.: ogf

$$\frac{54 x^4 - 267 x^3 + 345 x^2 - 139 x + 5}{(x - 1) (3 x - 1) (54 x^2 - 51 x + 1)}$$

Sequence: A208873
Score: 2.96348
Type of gen. func.: ogf

$$-(1132591183 + 228654600 f(x)) (36 f(x) x^4 - 84 f(x) x^3 - 12 x^4 + 65 f(x) x^2 + 38 x^3 - 18 f(x) x - 50 x^2 + f(x) + 24 x - 2)$$

Sequence: A208873
Score: 5.54456
Type of gen. func.: ogf

$$\frac{2 (6 x^4 - 19 x^3 + 25 x^2 - 12 x + 1)}{(x - 1) (2 x - 1) (18 x^2 - 15 x + 1)}$$

Sequence: A208880
Score: 7.71310
Type of gen. func.: ogf

$$- \frac{11 x^6 - 10 x^5 - 22 x^4 + 24 x^3 + 2 x^2 - 2 x + 1}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A208881

Score: 6.27631
Type of gen. func.: ogf

$$\{(27 n^2 + 27 n + 6) a(n) + (-n^2 - 2 n - 1) a(n + 1), a(0) = 1, a(1) = 2\}$$

Sequence: A208887
Score: 8.48455
Type of gen. func.: ogf

$$-2 f(x)^2 x^3 + f(x)^2 x - 2 f(x) x^2 - 2 f(x) x + f(x) - 1$$

Sequence: A208888
Score: 12.0364
Type of gen. func.: ogf

$$2 f(x)^2 x^3 - f(x)^2 x^2 + f(x) - 2 x - 1$$

Sequence: A208888
Score: 7.89889
Type of gen. func.: revogf

$$-\frac{-x^2 + (x^4 - 8 x^3 + 2 x^2 + 8 x + 1)^{1/2} - 1}{4 (x^2 - 1)}$$

Sequence: A208890
Score: 13.1801
Type of gen. func.: ogf

$$\mathrm{hypergeom}([1/4, 1/2], [1], 32 x)$$

Sequence: A208890
Score: 5.35776
Type of gen. func.: ogf

$$\{(-32 n^2 - 88 n - 60) a(n + 1) + (n^2 + 4 n + 4) a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A208900
Score: 12.6677
Type of gen. func.: ogf

$$-\frac{2\,(2\,x^3 - 2\,x + 1)}{(x - 1)\,(2\,x - 1)\,(2\,x^2 - 1)}$$

Sequence: A208900
Score: 6.66145
Type of gen. func.: ogf

$$-(f(x) + 26)\,(4\,f(x)\,x^4 - 6\,f(x)\,x^3 + 4\,x^3 + 3\,f(x)\,x - f(x) - 4\,x + 2)$$

Sequence: A208901
Score: 11.7268
Type of gen. func.: lgdogf

$$-\frac{12\,x^2 - 4\,x - 2}{4\,x^3 - 2\,x^2 - 2\,x + 1}$$

Sequence: A208901
Score: 16.9386
Type of gen. func.: ogf

$$\frac{4\,x^2}{(2\,x - 1)\,(2\,x^2 - 1)}$$

Sequence: A208901
Score: 6.92945
Type of gen. func.: ogf

$$\{a(n + 3) - 2\,a(n + 2) - 2\,a(n + 1) + 4\,a(n),\ a(0) = 0,\ a(1) = 0,\ a(2) = 4\}$$

Sequence: A208901

Score: 9.41035
Type of gen. func.: ogf

$$-4 f(x) x^3 + 2 f(x) x^2 + 2 f(x) x + 4 x^2 - f(x)$$

Sequence: A208902
Score: 8.06084
Type of gen. func.: ogf

$$-\frac{2 (2 x^4 - 6 x^3 + 2 x^2 + 2 x - 1)}{(x - 1) (2 x^2 - 1) (2 x - 1)^2}$$

Sequence: A208903
Score: 8.37743
Type of gen. func.: ogf

$$\frac{4 x (3 x^3 - x^2 - 2 x + 1)}{(x - 1) (2 x^2 - 1) (2 x - 1)^2}$$

Sequence: A208933
Score: 4.71666
Type of gen. func.: ogf

$$(52 x^{20} - 125 x^{16} - 98 x^{12} - 42 x^8 - 100 x^4 - 49) / (52 x^{20} + 42 x^{17} - 125 x^{16} + 48 x^{13} - 98 x^{12} + 174 x^9 - 42 x^8 + 4 x^5 - 100 x^4 + 98 x - 49)$$

Sequence: A208946
Score: 7.74300
Type of gen. func.: ogf

$$-\frac{x^4 - 7 x^3 - 6 x^2 - 7 x - 5}{(x^2 + x + 1) (x - 1)^4}$$

Sequence: A208947
Score: 4.43868
Type of gen. func.: ogf

$$\frac{2 (x^8 - 6 x^7 - 21 x^6 - 48 x^5 - 63 x^4 - 66 x^3 - 47 x^2 - 22 x - 4)}{(x + 1) (x^2 + 1) (x^2 + x + 1) (x - 1)^5}$$

Sequence: A208948
Score: 4.99830
Type of gen. func.: ogf

$$\frac{2 (7 x^5 + 88 x^4 + 169 x^3 + 172 x^2 + 82 x + 10)}{(x^2 + x + 1) (x - 1)^6}$$

Sequence: A208950
Score: 4.47538
Type of gen. func.: ogf

$$x^2 (x^{12} + x^{11} + 5 x^{10} + 5 x^9 + 31 x^8 + 10 x^7 + 22 x^6 + 10 x^5 + 31 x^4 + 5 x^3 + 5 x^2 + x + 1) \Big/ ((x - 1)^4 (x + 1)^4 (x^2 + 1)^4)$$

Sequence: A208954
Score: 10.0862
Type of gen. func.: lgdogf

$$-\frac{8 x^3 + 71 x^2 + 104 x + 27}{2 x^4 + 11 x^3 - 11 x - 2}$$

Sequence: A208954
Score: 4.32265
Type of gen. func.: ogf

$$\{(-7 n^2 - 51 n - 92) a(n + 1) + (14 n^2 + 84 n + 232) a(n + 2)$$

2

$$+ (-7 n - 33 n - 38) a(n + 3), a(0) = 0, a(1) = 4, a(2) = 54\}$$

Sequence: A208954
Score: 7.08759
Type of gen. func.: ogf

$$- \frac{2 x (x + 1) (2 x^2 + 11 x + 2)}{(x - 1)^7}$$

Sequence: A208971
Score: 7.75544
Type of gen. func.: ogf

$$- \frac{x^5 - 2 x^4 - x^3 + 3 x^2 - x - 1}{(x + 1)^2 (x - 1)^4}$$

Sequence: A208976
Score: 4.31585
Type of gen. func.: ogf

$$2 f(x)^2 x^5 - 5 f(x)^2 x^4 + 4 f(x)^2 x^3 + 2 f(x) x^4 - f(x)^2 x^2 - 7 f(x) x^3$$

$$+ 5 f(x) x^2 + x^3 + f(x) x - 2 x^2 - f(x) + x + 1$$

Sequence: A208978
Score: 4.78476
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^{11} - x^{10} + 2 x^9 - 2 x^8 + x^7 - x^6 + 4 x^5 - x^4 + x^3 - 2 x^2 + 2 x - 1}{-x^{12} + 1}$$

Sequence: A208994
Score: 21.8868
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 - x^3 + 2 x^2 + 2 x + 1$$

Sequence: A208994
Score: 9.68963
Type of gen. func.: ogf

$$-\frac{(x^2 + 1) (x^2 - x + 1)}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A208995
Score: 7.71118
Type of gen. func.: lgdogf

$$-\frac{-x^5 + 3 x^4 + 2 x^3 + 10 x^2 + 11 x + 7}{-x^6 + 3 x^5 - 2 x^3 + 3 x^2 - x - 2}$$

Sequence: A208995
Score: 8.78909
Type of gen. func.: ogf

$$-\frac{x^4 - 3 x^3 + x^2 - x - 2}{(x + 1) (x - 1)^4}$$

Sequence: A208996
Score: 3.95876
Type of gen. func.: ogf

$$-\frac{x^{10} - x^9 + 14 x^7 + 25 x^6 + 32 x^5 + 39 x^4 + 36 x^3 + 22 x^2 + 11 x + 3}{(x^4 + x^3 + x^2 + x + 1) (x + 1)^2 (x - 1)^5}$$

Sequence: A209008
Score: 9.40158
Type of gen. func.: ogf

$$-\frac{x^4 - 3 x^3 + 2 x^2 - 1}{(x + 1) (x - 1)^4}$$

Sequence: A209013
Score: 4.52361
Type of gen. func.: ogf

$$-\frac{2 (2 x^5 - 22 x^4 + 16 x^3 + 33 x^2 - 17 x - 6)}{12 x^6 - 44 x^5 + 40 x^4 + 52 x^3 - 38 x^2 - 8 x + 1}$$

Sequence: A209033
Score: 3.62820
Type of gen. func.: ogf

$$- (x^{12} - x^{11} + 9 x^9 + 12 x^8 + 23 x^7 + 32 x^6 + 32 x^5 + 29 x^4 + 24 x^3 + 12 x^2$$

$$+ 7 x + 2) \Big/ ((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x + 1)^2 (x - 1)^5)$$

Sequence: A209037
Score: 5.46733
Type of gen. func.: ogf

$$\frac{x^{13} - x^{11} + x^{10} + x^9 - x^8 - 6 x^7 - 3 x^6 + 3 x^5 + 2 x^4 + x^3 + x^2 + x + 1}{(x + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A209041
Score: 4.30648
Type of gen. func.: ogf

$$-(44753 f(x) - 19676)$$

$$(3 f(x) x^3 + 5 f(x) x^2 - 11 f(x) x + 4 x^2 + f(x) + 8 x - 12)$$

Sequence: A209041
Score: 4.52361
Type of gen. func.: ogf

$\{a(n + 3) - 11 a(n + 2) + 5 a(n + 1) + 3 a(n), a(0) = 12, a(1) = 124, a(2) = 1300\}$

Sequence: A209041
Score: 8.54460
Type of gen. func.: ogf

$$-\frac{4 (x + 3) (x - 1)}{3 x^3 + 5 x^2 - 11 x + 1}$$

Sequence: A209074
Score: 4.69152
Type of gen. func.: ogf

$$-\frac{2 (4 x^7 + 21 x^6 + 49 x^5 + 64 x^4 + 66 x^3 + 45 x^2 + 23 x + 4)}{(x + 1) (x^2 + 1) (x^2 + x + 1) (x - 1)^5}$$

Sequence: A209075
Score: 4.24098
Type of gen. func.: ogf

$$-\frac{2 x^8 - 9 x^7 + 16 x^6 - 30 x^5 - 161 x^4 - 355 x^3 - 330 x^2 - 170 x - 19}{(x^2 + x + 1) (x - 1)^6}$$

Sequence: A209084
Score: 12.4571
Type of gen. func.: ogf

$$4 f(x) x^2 + 2 f(x) x - f(x) + 4 x$$

Sequence: A209084
Score: 15.3119

Type of gen. func.: lgdogf

$$-\frac{-8 x - 2}{-4 x^{2} - 2 x + 1}$$

Sequence: A209084
Score: 19.8641
Type of gen. func.: ogf

$$-\frac{4 x}{4 x^{2} + 2 x - 1}$$

Sequence: A209084
Score: 9.07373
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 4\}$$

Sequence: A209094
Score: 11.4742
Type of gen. func.: ogf

$$\frac{(2 x - 1) (x - 2)}{4 x^{2} - 8 x + 1}$$

Sequence: A209094
Score: 5.84743
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 4 a(n + 1), a(0) = 2, a(1) = 11, a(2) = 82\}$$

Sequence: A209094
Score: 6.14276
Type of gen. func.: ogf

$$-(-31 + 76 f(x)) (4 f(x) x^{2} - 8 f(x) x - 2 x^{2} + f(x) + 5 x - 2)$$

```
------------------------------------------------------------------------------

Sequence:  A209094
Score: 7.89783
Type of gen. func.: lgdogf


                                    2
                                 4 x  - 12 x + 11
                       - ---------------------------------
                                4       3       2
                         -8 x  + 36 x  - 50 x  + 21 x - 2



------------------------------------------------------------------------------

Sequence:  A209095
Score: 3.62569
Type of gen. func.: ogf


{a(n + 4) - 20 a(n + 3) + 44 a(n + 2) - 16 a(n + 1), a(0) = 5, a(1) = 76,

    a(2) = 1326, a(3) = 23248}



------------------------------------------------------------------------------

Sequence:  A209095
Score: 3.75706
Type of gen. func.: ogf


(-21009829 + 68409246 f(x))

              3             2      3                    2
    (16 f(x) x  - 44 f(x) x  - 8 x  + 20 f(x) x + 26 x  - f(x) - 24 x + 5)



------------------------------------------------------------------------------

Sequence:  A209095
Score: 7.00641
Type of gen. func.: ogf


                                        2
                          (4 x - 5) (2 x  - 4 x + 1)
                          ---------------------------
                                        2
                          (2 x - 1) (8 x  - 18 x + 1)



------------------------------------------------------------------------------

Sequence:  A209096
Score: 4.80167
Type of gen. func.: ogf


                       5        4        3        2
                2 (28 x  - 177 x  + 337 x  - 216 x  + 83 x - 7)
                ------------------------------------------------
                      5        4        3        2
                  64 x  - 425 x  + 705 x  - 356 x  + 49 x - 1
```

Sequence: A209101
Score: 11.1351
Type of gen. func.: ogf

$$\frac{4 x^2 - 5 x + 2}{8 x^2 - 8 x + 1}$$

Sequence: A209101
Score: 5.67461
Type of gen. func.: ogf

$$\{-a(n + 3) + 8 a(n + 2) - 8 a(n + 1), a(0) = 2, a(1) = 11, a(2) = 76\}$$

Sequence: A209101
Score: 6.27829
Type of gen. func.: ogf

$$(-7 + 64 f(x)) (8 f(x) x^2 - 8 f(x) x - 4 x^2 + f(x) + 5 x - 2)$$

Sequence: A209101
Score: 7.56614
Type of gen. func.: lgdogf

$$-\frac{-8 x^2 + 24 x - 11}{32 x^4 - 72 x^3 + 60 x^2 - 21 x + 2}$$

Sequence: A209102
Score: 2.90006
Type of gen. func.: ogf

$$(2889471465 f(x) - 1265159444) (60 f(x) x^4 - 180 f(x) x^3 - 48 x^4 + 110 f(x) x^2 + 124 x^3 - 22 f(x) x - 72 x^2 + f(x) + 28 x - 5)$$

Sequence: A209102
Score: 5.25636
Type of gen. func.: ogf

$$\frac{48 x^4 - 124 x^3 + 72 x^2 - 28 x + 5}{60 x^4 - 180 x^3 + 110 x^2 - 22 x + 1}$$

Sequence: A209116
Score: 7.66709
Type of gen. func.: ogf

$$- \frac{3 x^4 - 11 x^3 - 4 x^2 - 7 x - 5}{(x^2 + x + 1) (x - 1)^4}$$

Sequence: A209117
Score: 4.23577
Type of gen. func.: ogf

$$\frac{x^9 - 2 x^8 - 5 x^7 - 39 x^6 - 103 x^5 - 127 x^4 - 137 x^3 - 87 x^2 - 48 x - 5}{(x + 1) (x^2 + 1) (x^2 + x + 1) (x - 1)^5}$$

Sequence: A209200
Score: 13.5157
Type of gen. func.: lgdogf

$$- \frac{24 x - 4}{32 x^2 - 12 x + 1}$$

Sequence: A209200
Score: 27.0775
Type of gen. func.: lgdogf

$$- \frac{24 x - 4}{32 x^2 - 12 x + 1}$$

Sequence: A209200
Score: 4.44711
Type of gen. func.: ogf

$$\{(-3 - n) a(n + 3) + (28 + 12 n) a(n + 2) + (-56 - 32 n) a(n + 1), a(0) = 1, a(1) = 4, a(2) = 20\}$$

Sequence: A209220
Score: 5.47866
Type of gen. func.: ogf

$$\frac{17 x^7 - 44 x^6 + 28 x^5 - 44 x^4 + 6 x^3 + 10 x^2 + 72 x + 9}{(x^3 - x - 1) (x^3 - x^2 + 2 x - 1)}$$

Sequence: A209225
Score: 6.35956
Type of gen. func.: ogf

$$\frac{784 x^6 + 1008 x^5 + 160 x^4 - 34 x^3 - 45 x^2 - 72 x - 9}{(4 x^2 + 1) (4 x^2 + x - 1)}$$

Sequence: A209226
Score: 3.31642
Type of gen. func.: ogf

$$(3078 x^{11} - 2793 x^{10} - 6855 x^9 - 960 x^8 - 3243 x^7 + 2032 x^6 + 5420 x^5 + 438 x^4 - 51 x^3 - 65 x^2 - 156 x - 13) / ((3 x^3 - 6 x^2 - x + 1) (9 x^6 + 3 x^4 - 6 x^2 - 1))$$

Sequence: A209230
Score: 4.40284
Type of gen. func.: ogf

$$-(3 f(x) - 1)$$

$$(2 f(x) x^4 - x^4 - 4 f(x) x^2 + x^3 + 4 f(x) x + 2 x^2 - f(x) - 3 x + 1)$$

Sequence: A209230
Score: 7.49055
Type of gen. func.: ogf

$$\frac{(x^2 + x - 1) (x - 1)^2}{2 x^4 - 4 x^2 + 4 x - 1}$$

Sequence: A209231
Score: 13.1604
Type of gen. func.: ogf

$$\frac{x^4}{(x - 1) (x^5 - x^2 + 2 x - 1)}$$

Sequence: A209231
Score: 7.81397
Type of gen. func.: lgdogf

$$- \frac{6 x^5 - 5 x^4 - 3 x^2 + 6 x - 3}{x^6 - x^5 - x^3 + 3 x^2 - 3 x + 1}$$

Sequence: A209239
Score: 4.80141
Type of gen. func.: ogf

$$-f(x) (2 f(x) x^4 + 2 f(x) x^3 + 2 f(x) x^2 + x^3 + 2 f(x) x + x^2 - f(x) + x + 1)$$

Sequence: A209239
Score: 8.29335
Type of gen. func.: ogf

$$-\frac{(x + 1)\,(x + 1)}{2 x^4 + 2 x^3 + 2 x^2 + 2 x - 1}$$

Sequence: A209262
Score: 7.43169
Type of gen. func.: ogf

$$-\frac{4 x^4 + 29 x^3 + 57 x^2 + 5 x + 1}{(x - 1)^5}$$

Sequence: A209263
Score: 6.45652
Type of gen. func.: ogf

$$\frac{x^5 + 105 x^4 + 302 x^3 + 182 x^2 + 9 x + 1}{(x - 1)^6}$$

Sequence: A209264
Score: 4.69037
Type of gen. func.: ogf

$$-\frac{5 x^6 + 238 x^5 + 1615 x^4 + 1932 x^3 + 515 x^2 + 14 x + 1}{(x - 1)^7}$$

Sequence: A209265
Score: 3.98710
Type of gen. func.: ogf

$$\frac{2 x^7 + 607 x^6 + 6960 x^5 + 16595 x^4 + 9754 x^3 + 1341 x^2 + 20 x + 1}{(x - 1)^8}$$

Sequence: A209267
Score: 3.48149

Type of gen. func.: ogf

$$-\left(6 x^{8} + 1371 x^{7} + 27991 x^{6} + 115317 x^{5} + 131793 x^{4} + 42757 x^{3} + 3297 x^{2} + 27 x + 1\right) \Big/ (x - 1)^{9}$$

Sequence: A209294
Score: 10.1586
Type of gen. func.: lgdogf

$$-\frac{-2 x^{2} - 10 x - 9}{-2 x^{3} - x^{2} + x + 2}$$

Sequence: A209294
Score: 10.8248
Type of gen. func.: ogf

$$-\frac{2 x^{2} + 3 x + 2}{(x - 1)^{3}}$$

Sequence: A209294
Score: 5.84345
Type of gen. func.: ogf

$$(33 f(x) - 85) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 2 x^{2} - f(x) + 3 x + 2)$$

Sequence: A209294
Score: 5.84345
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2, a(1) = 9, a(2) = 23\}$$

Sequence: A209345
Score: 8.03044
Type of gen. func.: ogf

$$-\frac{x^4 - 4x^3 - 2x^2 - 3x - 4}{(x^2 + x + 1)(x - 1)^4}$$

Sequence: A209346
Score: 4.58633
Type of gen. func.: ogf

$$-\frac{x^7 + 4x^6 + 28x^5 + 63x^4 + 85x^3 + 60x^2 + 30x + 5}{(x^2 + x + 1)(x + 1)^2(x - 1)^5}$$

Sequence: A209347
Score: 4.70530
Type of gen. func.: ogf

$$\frac{2(5x^6 + 48x^5 + 128x^4 + 167x^3 + 128x^2 + 45x + 7)}{(x + 1)(x^2 + x + 1)(x - 1)^6}$$

Sequence: A209350
Score: 8.99904
Type of gen. func.: ogf

$$-\frac{3x^6 - 5x^5 - 2x^4 + 5x^3 + x^2 - 2x + 1}{(x + 1)(x - 1)^3}$$

Sequence: A209358
Score: 14.2019
Type of gen. func.: lgdogf

$$-\frac{12x - 2}{32x^2 - 12x + 1}$$

Sequence: A209358

Score: 28.4702
Type of gen. func.: lgdogf

$$-\frac{12 x - 2}{32 x^2 - 12 x + 1}$$

Sequence: A209358
Score: 4.70323
Type of gen. func.: ogf

$\{(-3 - n) a(n + 3) + (26 + 12 n) a(n + 2) + (-44 - 32 n) a(n + 1), a(0) = 1,$

$a(1) = 2, a(2) = 8\}$

Sequence: A209359
Score: 7.14972
Type of gen. func.: lgdogf

$$-\frac{-48 x^4 - 336 x^3 + 24 x^2 + 252 x + 33}{-16 x^5 - 64 x^4 + 80 x^3 + 20 x^2 - 19 x - 1}$$

Sequence: A209359
Score: 7.14972
Type of gen. func.: ogf

$$\frac{x (2 x + 1) (4 x^2 + 20 x + 1)}{(x - 1) (2 x - 1)^5}$$

Sequence: A209368
Score: 4.27626
Type of gen. func.: ogf

$$(16 x^{10} + 73 x^9 + 93 x^8 - 32 x^7 - 218 x^6 - 252 x^5 - 160 x^4 - 18 x^3 + 37 x^2$$

$$+ 31 x + 8) \Big/ ((x^3 - x^2 - 1) (x^3 + 2 x^2 + x - 1))$$

Sequence: A209369
Score: 3.49577
Type of gen. func.: ogf

$$(35 x^{11} + 122 x^{10} + 111 x^{9} - 163 x^{8} - 476 x^{7} - 423 x^{6} - 315 x^{5} - 252 x^{4} - 83 x^{3} - 53 x^{2} + 46 x + 19) / ((x^{3} + 2 x^{2} + 2 x - 1) (x^{6} - 2 x^{4} - 2 x^{2} - 1))$$

Sequence: A209376
Score: 7.62074
Type of gen. func.: ogf

$$- \frac{20 x^{4} - 8 x^{3} - 31 x^{2} + 9 x + 8}{(x - 1) (4 x^{4} - 6 x^{2} + 1)}$$

Sequence: A209377
Score: 5.78168
Type of gen. func.: ogf

$(132888 f(x) - 1079557)$

$(12 f(x) x^{4} - 8 f(x) x^{2} + 116 x^{3} + 64 x^{2} + f(x) - 34 x - 16)$

Sequence: A209377
Score: 9.60900
Type of gen. func.: ogf

$$- \frac{2 (58 x^{3} + 32 x^{2} - 17 x - 8)}{(6 x^{2} - 1) (2 x^{2} - 1)}$$

Sequence: A209378
Score: 4.03789
Type of gen. func.: ogf

$$- \frac{4 (548 x^{7} - 502 x^{6} - 472 x^{5} + 449 x^{4} + 107 x^{3} - 117 x^{2} - 4 x + 8)}{(x - 1) (2 x - 1) (2 x^{2} - 1) (28 x^{4} - 12 x^{2} + 1)}$$

Sequence: A209379
Score: 6.26615
Type of gen. func.: ogf

$$-\frac{2\,(1496\,x^5 + 704\,x^4 - 822\,x^3 - 352\,x^2 + 85\,x + 32)}{(2\,x - 1)\,(2\,x + 1)\,(2\,x^2 - 1)\,(10\,x^2 - 1)}$$

Sequence: A209381
Score: 4.11313
Type of gen. func.: ogf

$$-2\,(79040\,x^7 + 30976\,x^6 - 55064\,x^5 - 19840\,x^4 + 9806\,x^3 + 3200\,x^2 - 441\,x - 128) \Big/ ((2\,x - 1)\,(2\,x + 1)\,(2\,x^2 - 1)\,(8\,x^2 - 1)\,(18\,x^2 - 1))$$

Sequence: A209398
Score: 7.32139
Type of gen. func.: lgdogf

$$-\frac{8\,x^5 + 23\,x^4 + 6\,x^3 - 4\,x^2 + 8\,x - 7}{2\,x^6 + 5\,x^5 + x^4 + x^2 - 5\,x + 2}$$

Sequence: A209398
Score: 9.98371
Type of gen. func.: ogf

$$\frac{x^3\,(x + 2)}{(2\,x - 1)\,(x^2 + 1)\,(x^2 + x - 1)}$$

Sequence: A209399
Score: 5.75353
Type of gen. func.: ogf

$$\frac{x^4 (x^4 + 2 x^3 + x^2 - 2 x - 4)}{(2 x - 1) (x^2 + x - 1) (x^6 - x^3 - 1)}$$

Sequence: A209400
Score: 8.87813
Type of gen. func.: ogf

$$\frac{x^4 (x + 2)}{(2 x - 1) (x^5 + x^4 + x^2 + x - 1)}$$

Sequence: A209404
Score: 12.9182
Type of gen. func.: lgdogf

$$- \frac{-14 x + 15}{-2 x^2 + 3 x - 1}$$

Sequence: A209404
Score: 4.16717
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-21 - 3 n) a(n + 2) + (16 + 2 n) a(n + 1), a(0) = 1,

a(1) = 15, a(2) = 128}

Sequence: A209404
Score: 5.76706
Type of gen. func.: ogf

$$- \frac{x - 1}{(2 x - 1)^8}$$

Sequence: A209409
Score: 5.86367
Type of gen. func.: ogf

$$\frac{x^5 (x^4 + 2 x^3 - 3 x - 4)}{(2 x - 1) (x^3 + x^2 + x - 1) (x^6 - x^4 - x^2 - 1)}$$

Sequence: A209410
Score: 5.80083
Type of gen. func.: ogf

$$- \frac{x^8 + 2 x^7 + x^6 - 2 x^5 - 4 x^4 - 2 x^3 - 2 x^2 - x - 1}{(x^3 + x^2 + x - 1) (x^6 - x^4 - x^2 - 1)}$$

Sequence: A209466
Score: 4.93601
Type of gen. func.: ogf

$$(x^{20} - 6 x^{18} - 2 x^{14} - 4 x^{12} - 8 x^8 - 6 x^7 - 2 x^4 - 4 x^3 - 2 x^2 - 1) \Big/ ((x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^2 + 1) (x^8 - x^6 + x^4 - x^2 + 1))$$

Sequence: A209469
Score: 3.92177
Type of gen. func.: ogf

$$- \frac{(x^2 + x + 1) (x^8 - x^7 + x^6 - x^5 - x^4 + x^3 - 2 x^2 + 2 x - 1)}{x^{11} - x^{10} + 2 x^9 - x^8 - 3 x^7 + 3 x^6 - 4 x^5 + x^4 + 2 x^2 - 3 x + 1}$$

Sequence: A209486
Score: 4.61631
Type of gen. func.: ogf

$$- \frac{2 (2 x^8 + 13 x^7 + 34 x^6 + 59 x^5 + 62 x^4 + 57 x^3 + 32 x^2 + 15 x + 2)}{(x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^5}$$

Sequence: A209487
Score: 4.33232
Type of gen. func.: ogf

$$-\frac{2 x^8 - 10 x^7 + 19 x^6 - 23 x^5 - 73 x^4 - 190 x^3 - 161 x^2 - 81 x - 11}{(x^2 + x + 1) (x - 1)^6}$$

Sequence: A209497
Score: 2.83321
Type of gen. func.: ogf

$$-(333957700 f(x) - 472265573) (72 f(x) x^4 + 168 f(x) x^3 - 75 x^4 + 10 f(x) x^2 - 174 x^3 - 16 f(x) x + 19 x^2 + f(x) + 26 x - 2)$$

Sequence: A209497
Score: 5.21907
Type of gen. func.: ogf

$$\frac{75 x^4 + 174 x^3 - 19 x^2 - 26 x + 2}{(36 x^2 + 12 x - 1) (2 x^2 + 4 x - 1)}$$

Sequence: A209505
Score: 13.1497
Type of gen. func.: ogf

$$-\frac{3 (4 x - 9)}{2 x^2 - 5 x + 1}$$

Sequence: A209505
Score: 6.50566
Type of gen. func.: ogf

$$-(169 f(x) + 480) (2 f(x) x^2 - 5 f(x) x + f(x) + 12 x - 27)$$

Sequence: A209505
Score: 7.27104
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 2 a(n), a(0) = 27, a(1) = 123\}$$

Sequence: A209505
Score: 9.08879
Type of gen. func.: lgdogf

$$- \frac{-8 x^2 + 36 x - 41}{-8 x^3 + 38 x^2 - 49 x + 9}$$

Sequence: A209506
Score: 4.69339
Type of gen. func.: ogf

$$-(1897807 f(x) + 15424860)$$

$$(6 f(x) x^3 - 15 f(x) x^2 + 9 f(x) x + 72 x^2 - f(x) - 168 x + 81)$$

Sequence: A209506
Score: 5.24555
Type of gen. func.: ogf

$$\{-a(n + 3) + 9 a(n + 2) - 15 a(n + 1) + 6 a(n), a(0) = 81, a(1) = 561,$$

$$a(2) = 3906\}$$

Sequence: A209506
Score: 9.45789
Type of gen. func.: ogf

$$- \frac{3 (24 x^2 - 56 x + 27)}{6 x^3 - 15 x^2 + 9 x - 1}$$

Sequence: A209507
Score: 4.71340
Type of gen. func.: ogf

$$-\frac{3\,(64x^4 - 376x^3 + 692x^2 - 443x + 81)}{8x^5 - 48x^4 + 92x^3 - 65x^2 + 16x - 1}$$

Sequence: A209528
Score: 4.54578
Type of gen. func.: ogf

$$-(72x^9 - 312x^8 + 546x^7 - 492x^6 + 325x^5 - 202x^4 + 109x^3 - 43x^2 + 10x - 1) \Big/ \left((3x - 1)(2x - 1)^2 (x - 1)^3\right)$$

Sequence: A209530
Score: 10.1165
Type of gen. func.: ogf

$$-\frac{32x^2 - 16x - 9}{(x - 1)(8x^2 - 1)}$$

Sequence: A209530
Score: 5.44733
Type of gen. func.: ogf

$$(133 f(x) + 678)(8 f(x) x^3 - 8 f(x) x^2 - f(x) x + 32 x^2 + f(x) - 16 x - 9)$$

Sequence: A209530
Score: 5.59068
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - 8 a(n + 1) + 8 a(n), a(0) = 9, a(1) = 25, a(2) = 65}

Sequence: A209531
Score: 4.16584
Type of gen. func.: ogf

$$-(4053808 f(x) + 26205051) (32 f(x) x^3 - 32 f(x) x^2 - f(x) x + 224 x^2 + f(x) - 160 x - 33)$$

Sequence: A209531
Score: 4.68657
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 32 a(n + 1) - 32 a(n), a(0) = 33, a(1) = 193, a(2) = 1025\}$$

Sequence: A209531
Score: 8.27041
Type of gen. func.: ogf

$$-\frac{224 x^2 - 160 x - 33}{(x - 1) (32 x^2 - 1)}$$

Sequence: A209532
Score: 3.60051
Type of gen. func.: ogf

$$-(293876095 f(x) + 3571340754) (128 f(x) x^3 - 128 f(x) x^2 - f(x) x + 1664 x^2 + f(x) - 1408 x - 129)$$

Sequence: A209532
Score: 4.14779
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 128 a(n + 1) - 128 a(n), a(0) = 129, a(1) = 1537, a(2) = 16385\}$$

Sequence: A209532
Score: 7.10238

Type of gen. func.: ogf

$$-\frac{1664 x^2 - 1408 x - 129}{(x - 1) (128 x^2 - 1)}$$

Sequence: A209533
Score: 10.0357
Type of gen. func.: ogf

$$-\frac{272 x - 257}{(16 x - 1) (x - 1)}$$

Sequence: A209533
Score: 4.92136
Type of gen. func.: ogf

$$-(61425 f(x) + 999184) (16 f(x) x^2 - 17 f(x) x + f(x) + 272 x - 257)$$

Sequence: A209533
Score: 5.75080
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1) + 16 a(n), a(0) = 257, a(1) = 4097\}$$

Sequence: A209533
Score: 6.09311
Type of gen. func.: lgdogf

$$-\frac{-4352 x^2 + 8224 x - 4097}{-4352 x^3 + 8736 x^2 - 4641 x + 257}$$

Sequence: A209539
Score: 7.51607
Type of gen. func.: ogf

$$1296 x^5 + 810 x^4 - 9 x^3 - 32 x^2 + 6 x - 1$$

$$\frac{\qquad\qquad}{10 x - 1}$$

Sequence: A209546
Score: 5.5143
Type of gen. func.: ogf

$$(59 f(x) - 65)$$

$$(2 f(x) x^{4} - 6 f(x) x^{2} + 6 x^{3} + 5 f(x) x + 3 x^{2} - f(x) - 15 x + 7)$$

Sequence: A209546
Score: 9.61066
Type of gen. func.: ogf

$$- \frac{6 x^{3} + 3 x^{2} - 15 x + 7}{(x - 1) (2 x^{3} + 2 x^{2} - 4 x + 1)}$$

Sequence: A209547
Score: 5.13922
Type of gen. func.: ogf

$$- \frac{10 x^{5} + 43 x^{4} - 85 x^{3} - 2 x^{2} + 55 x - 20}{(x - 1) (2 x^{5} + 10 x^{4} - 10 x^{3} - 7 x^{2} + 7 x - 1)}$$

Sequence: A209594
Score: 4.11533
Type of gen. func.: ogf

$$- \frac{x^{7} - 8 x^{6} + 25 x^{5} - 352 x^{4} - 2557 x^{3} - 4888 x^{2} - 2109 x - 192}{(x - 1)^{8}}$$

Sequence: A209603
Score: 9.65840
Type of gen. func.: ogf

$$-\frac{x\,(2\,x^4 - x^3 + x^2 - x + 1)}{(x^3 + x - 1)\,(x^3 - x + 1)}$$

Sequence: A209613
Score: 5.53641
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4\,x^{11} - x^{10} - 3\,x^9 - 2\,x^8 - x^7 - x^6 - 4\,x^5 - x^4 - x^3 - 2\,x^2 - 3\,x - 1}{x^{12} - 1}$$

Sequence: A209646
Score: 11.9850
Type of gen. func.: ogf

$$\frac{9\,(5\,x + 1)}{(x - 1)^4}$$

Sequence: A209646
Score: 15.1647
Type of gen. func.: lgdogf

$$-\frac{-15\,x - 9}{-5\,x^2 + 4\,x + 1}$$

Sequence: A209646
Score: 4.82512
Type of gen. func.: ogf

$\{(n + 3)\,a(n + 3) + (-1 + 4\,n)\,a(n + 2) + (-20 - 5\,n)\,a(n + 1),\ a(0) = 9,$

$a(1) = 81,\ a(2) = 270\}$

Sequence: A209646
Score: 5.6293
Type of gen. func.: ogf

$(65856 f(x) + 2313839)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + f(x) - 45 x - 9)$$

Sequence: A209647
Score: 3.97919
Type of gen. func.: ogf

$$\{(5 n^2 + 33 n + 54) a(n + 1) + (-16 n^2 - 116 n - 224) a(n + 2)$$

$$+ (11 n^2 + 59 n + 78) a(n + 3), a(0) = 14, a(1) = 196, a(2) = 798\}$$

Sequence: A209647
Score: 8.17463
Type of gen. func.: ogf

$$\frac{14 (x^3 + 3 x^2 - 9 x - 1)}{(x - 1)^5}$$

Sequence: A209647
Score: 8.95317
Type of gen. func.: lgdogf

$$- \frac{-2 x^3 - 12 x^2 + 30 x + 14}{-x^4 - 2 x^3 + 12 x^2 - 8 x - 1}$$

Sequence: A209648
Score: 3.58838
Type of gen. func.: ogf

$$\{(-7 n^2 - 32 n - 33) a(n + 1) + (362 n^2 + 3300 n + 7374) a(n + 2)$$

$$+ (-355 n^2 - 1876 n - 2433) a(n + 3), a(0) = 22, a(1) = 484, a(2) = 2354\}$$

Sequence: A209648
Score: 7.63978

Type of gen. func.: ogf

$$\frac{22 (x^3 - 7 x^2 - 17 x - 1)}{(x - 1)^5}$$

Sequence: A209648
Score: 8.35882
Type of gen. func.: lgdogf

$$- \frac{-2 x^3 + 18 x^2 + 82 x + 22}{-x^4 + 8 x^3 + 10 x^2 - 16 x - 1}$$

Sequence: A209649
Score: 6.39088
Type of gen. func.: ogf

$$- \frac{35 (x + 1) (17 x^2 - 28 x - 1)}{(x - 1)^6}$$

Sequence: A209649
Score: 7.55286
Type of gen. func.: lgdogf

$$- \frac{-51 x^3 - 7 x^2 + 167 x + 35}{-17 x^4 + 28 x^3 + 18 x^2 - 28 x - 1}$$

Sequence: A209676
Score: 11.8315
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-12 x^3 + 12 x^2 - 24 x + 12}{x^4 - 1}$$

Sequence: A209709
Score: 4.92349
Type of gen. func.: ogf

$$-\frac{64 x^{5} - 92 x^{4} - 276 x^{3} + 75 x^{2} + 127 x + 24}{16 x^{6} - 24 x^{5} - 76 x^{4} + 30 x^{3} + 34 x^{2} + 2 x - 1}$$

Sequence: A209721
Score: 12.8061
Type of gen. func.: ogf

$$-\frac{5 x^{2} - x - 3}{(x - 1) (2 x^{2} - 1)}$$

Sequence: A209721
Score: 6.73425
Type of gen. func.: ogf

$$-(2 f(x) + 51) (2 f(x) x^{3} - 2 f(x) x^{2} - f(x) x + 5 x^{2} + f(x) - x - 3)$$

Sequence: A209721
Score: 6.97476
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 2 a(n + 1) + 2 a(n), a(0) = 3, a(1) = 4, a(2) = 5\}$$

Sequence: A209721
Score: 7.73439
Type of gen. func.: lgdogf

$$-\frac{-10 x^{4} + 4 x^{3} + 11 x^{2} - 2 x - 4}{-10 x^{5} + 12 x^{4} + 9 x^{3} - 12 x^{2} - 2 x + 3}$$

Sequence: A209722

Score: 12.8674
Type of gen. func.: ogf

$$-\frac{7x^2 - x - 4}{(x - 1)(2x^2 - 1)}$$

Sequence: A209722
Score: 7.00813
Type of gen. func.: ogf

$$(f(x) - 28)(2 f(x) x^3 - 2 f(x) x^2 - f(x) x + 7 x^2 + f(x) - x - 4)$$

Sequence: A209722
Score: 7.00813
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 2 a(n + 1) + 2 a(n), a(0) = 4, a(1) = 5, a(2) = 6\}$$

Sequence: A209722
Score: 7.69521
Type of gen. func.: lgdogf

$$-\frac{-14x^4 + 4x^3 + 15x^2 - 2x - 5}{-14x^5 + 16x^4 + 13x^3 - 16x^2 - 3x + 4}$$

Sequence: A209723
Score: 12.2188
Type of gen. func.: ogf

$$-\frac{11x^2 - x - 6}{(x - 1)(2x^2 - 1)}$$

Sequence: A209723
Score: 6.70415
Type of gen. func.: ogf

$$(7 f(x) - 93) (2 f(x) x^3 - 2 f(x) x^2 - f(x) x + 11 x^2 + f(x) - x - 6)$$

Sequence: A209723
Score: 6.76400
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 2 a(n + 1) + 2 a(n), a(0) = 6, a(1) = 7, a(2) = 8\}$$

Sequence: A209724
Score: 12.2787
Type of gen. func.: ogf

$$- \frac{15 x^2 - x - 8}{(x - 1) (2 x^2 - 1)}$$

Sequence: A209724
Score: 6.61985
Type of gen. func.: ogf

$$(17 f(x) - 224) (2 f(x) x^3 - 2 f(x) x^2 - f(x) x + 15 x^2 + f(x) - x - 8)$$

Sequence: A209724
Score: 6.73701
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 2 a(n + 1) + 2 a(n), a(0) = 8, a(1) = 9, a(2) = 10\}$$

Sequence: A209724
Score: 7.46355
Type of gen. func.: lgdogf

$$- \frac{-30 x^4 + 4 x^3 + 31 x^2 - 2 x - 9}{-30 x^5 + 32 x^4 + 29 x^3 - 32 x^2 - 7 x + 8}$$

Sequence: A209725
Score: 12.2017
Type of gen. func.: ogf

$$-\frac{23 x^2 - x - 12}{(x - 1) (2 x^2 - 1)}$$

Sequence: A209725
Score: 6.62681
Type of gen. func.: ogf

$$(49 f(x) - 780) (2 f(x) x^3 - 2 f(x) x^2 - f(x) x + 23 x^2 + f(x) - x - 12)$$

Sequence: A209725
Score: 6.68443
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - 2 a(n + 1) + 2 a(n), a(0) = 12, a(1) = 13, a(2) = 14}

Sequence: A209726
Score: 12.2017
Type of gen. func.: ogf

$$-\frac{31 x^2 - x - 16}{(x - 1) (2 x^2 - 1)}$$

Sequence: A209726
Score: 6.57017
Type of gen. func.: ogf

$$(97 f(x) - 1888) (2 f(x) x^3 - 2 f(x) x^2 - f(x) x + 31 x^2 + f(x) - x - 16)$$

Sequence: A209726
Score: 6.68443
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - 2 a(n + 1) + 2 a(n), a(0) = 16, a(1) = 17, a(2) = 18}

Sequence: A209729
Score: 4.60223
Type of gen. func.: ogf

$$(485 f(x) - 548) (4 f(x) x^3 + 14 f(x) x^2 + 3 f(x) x + 16 x^2 - f(x) + 58 x + 22)$$

Sequence: A209729
Score: 4.64124
Type of gen. func.: ogf

{-a(n + 3) + 3 a(n + 2) + 14 a(n + 1) + 4 a(n), a(0) = 22, a(1) = 124,

a(2) = 696}

Sequence: A209729
Score: 8.42563
Type of gen. func.: ogf

$$-\frac{2 (8 x^2 + 29 x + 11)}{4 x^3 + 14 x^2 + 3 x - 1}$$

Sequence: A209738
Score: 4.37860
Type of gen. func.: ogf

$$\frac{536 x^5 + 1388 x^4 + 168 x^3 - 381 x^2 + 58 x - 2}{(20 x - 1) (12 x^2 + 8 x - 1) (2 x^2 + 4 x - 1)}$$

Sequence: A209780
Score: 5.22780
Type of gen. func.: ogf

$$-\frac{2 (120 x^5 + 7 x^4 - 373 x^3 - 183 x^2 + 64 x + 32)}{30 x^6 - 95 x^4 - 39 x^3 + 22 x^2 + 7 x - 1}$$

Sequence: A209789
Score: 12.3298
Type of gen. func.: ogf

$$-\frac{6\,(9\,x+5)}{12\,x^{2}+5\,x-1}$$

Sequence: A209789
Score: 6.43296
Type of gen. func.: ogf

$$(145\,f(x)-882)\,(12\,f(x)\,x^{2}+5\,f(x)\,x-f(x)+54\,x+30)$$

Sequence: A209789
Score: 6.88177
Type of gen. func.: ogf

$$\{a(n+2)-5\,a(n+1)-12\,a(n),\ a(0)=30,\ a(1)=204\}$$

Sequence: A209789
Score: 7.99773
Type of gen. func.: lgdogf

$$-\frac{-108\,x^{2}-120\,x-34}{-108\,x^{3}-105\,x^{2}-16\,x+5}$$

Sequence: A209790
Score: 2.79882
Type of gen. func.: ogf

$$-(14908974047930\,f(x)+92547947463081)\,(22\,f(x)\,x^{4}-64\,f(x)\,x^{3}+27\,f(x)\,x^{2}$$
$$+297\,x^{3}+14\,f(x)\,x-846\,x^{2}-f(x)+315\,x+204)$$

Sequence: A209790
Score: 5.62909
Type of gen. func.: ogf

$$-\frac{3\,(99\,x^3 - 282\,x^2 + 105\,x + 68)}{22\,x^4 - 64\,x^3 + 27\,x^2 + 14\,x - 1}$$

Sequence: A209801
Score: 17.3165
Type of gen. func.: lgdegf]

$$\exp(x)\,x + 2\exp(x)$$

Sequence: A209801
Score: 44.0813
Type of gen. func.: lgdegf]

$$\exp(x)\,x + 2\exp(x)$$

Sequence: A209807
Score: 3.6136
Type of gen. func.: ogf

$$(2485072768\,f(x) - 2221487203)\,(12\,f(x)\,x^4 + 28\,f(x)\,x^3 + 7\,f(x)\,x^2 + 20\,x^3 - 8\,f(x)\,x + 50\,x^2 + f(x) + 22\,x - 7)$$

Sequence: A209807
Score: 7.05093
Type of gen. func.: ogf

$$-\frac{20\,x^3 + 50\,x^2 + 22\,x - 7}{(6\,x - 1)\,(x + 1)\,(2\,x^2 + 3\,x - 1)}$$

Sequence: A209808
Score: 3.56497
Type of gen. func.: ogf

$$-\frac{504 x^6 - 1182 x^5 - 935 x^4 + 1688 x^3 - 101 x^2 - 276 x + 34}{(2 x^3 - 3 x^2 - 6 x + 1) (54 x^4 - 51 x^3 - 5 x^2 + 11 x - 1)}$$

Sequence: A209822
Score: 4.79825
Type of gen. func.: ogf

$$(14551 f(x) - 8048) (2 f(x) x^3 + 3 f(x) x^2 - 6 f(x) x + 4 x^2 + f(x) + 7 x - 8)$$

Sequence: A209822
Score: 4.92342
Type of gen. func.: ogf

$\{-a(n + 3) + 6 a(n + 2) - 3 a(n + 1) - 2 a(n), a(0) = 8, a(1) = 41, a(2) = 218\}$

Sequence: A209822
Score: 9.28185
Type of gen. func.: ogf

$$-\frac{4 x^2 + 7 x - 8}{(x - 1) (2 x^2 + 5 x - 1)}$$

Sequence: A209823
Score: 5.32980
Type of gen. func.: ogf

$$-\frac{10 x^4 - 64 x^3 + 26 x^2 + 67 x - 41}{(x - 1) (2 x^4 - 11 x^3 - 5 x^2 + 11 x - 1)}$$

Sequence: A209841
Score: 3.93557
Type of gen. func.: ogf

4 3 2 3

$$(151875 f(x) - 159508) (16 f(x) x + 4 f(x) x - 30 f(x) x + 32 x + 11 f(x) x$$

$$+ 16 x^2 - f(x) - 47 x + 8)$$

Sequence: A209841
Score: 7.25472
Type of gen. func.: ogf

$$-\frac{32 x^3 + 16 x^2 - 47 x + 8}{(4 x - 1) (x - 1) (4 x^2 + 6 x - 1)}$$

Sequence: A209842
Score: 3.80181
Type of gen. func.: ogf

$$-\frac{640 x^5 - 1936 x^4 + 1324 x^3 + 368 x^2 - 451 x + 41}{(x - 1) (8 x - 1) (16 x^4 - 32 x^3 - 2 x^2 + 13 x - 1)}$$

Sequence: A209851
Score: 4.88346
Type of gen. func.: ogf

$$-\frac{32 x^5 - 295 x^4 + 355 x^3 + 145 x^2 - 82 x - 25}{8 x^6 - 82 x^5 + 110 x^4 + 28 x^3 - 29 x^2 - 4 x + 1}$$

Sequence: A209876
Score: 11.4693
Type of gen. func.: ogf

$$(2 f(x) + 61) (f(x) x^2 - 2 f(x) x + f(x) - 6 x - 30)$$

Sequence: A209876
Score: 11.8789
Type of gen. func.: ogf

{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 30, a(1) = 66}

Sequence: A209876
Score: 20.3638
Type of gen. func.: lgdogf

$$-\frac{x+11}{x^2+4x-5}$$

Sequence: A209876
Score: 21.6918
Type of gen. func.: ogf

$$\frac{6(x+5)}{(x-1)^2}$$

Sequence: A209878
Score: 6.59192
Type of gen. func.: ogf

$$-9(122221x^6+85925x^5+481711x^4+122454x^3+37532x^2+12363x+2241)\Big/\left((x-1)(x^2+x+1)\right)$$

Sequence: A209888
Score: 12.4711
Type of gen. func.: ogf

$$\frac{(x+1)(x^2-x+1)}{x^5-2x^4+x^3-2x+1}$$

Sequence: A209888
Score: 6.92837
Type of gen. func.: ogf

2 5 4 3 3

$$f(x)\ (f(x)\,x - 2\,f(x)\,x + f(x)\,x - x - 2\,f(x)\,x + f(x) - 1)$$

Sequence: A209890
Score: 13.2606
Type of gen. func.: ogf

$$-\frac{6\,x + 7}{4\,x^{2} + 4\,x - 1}$$

Sequence: A209890
Score: 6.85892
Type of gen. func.: ogf

$$(48\,f(x) - 47)\,(4\,f(x)\,x^{2} + 4\,f(x)\,x - f(x) + 6\,x + 7)$$

Sequence: A209890
Score: 7.18947
Type of gen. func.: ogf

$$\{a(n + 2) - 4\,a(n + 1) - 4\,a(n),\ a(0) = 7,\ a(1) = 34\}$$

Sequence: A209890
Score: 8.52466
Type of gen. func.: lgdogf

$$-\frac{24\,x^{2} + 56\,x + 34}{24\,x^{3} + 52\,x^{2} + 22\,x - 7}$$

Sequence: A209891
Score: 4.67629
Type of gen. func.: ogf

$$-(121\,f(x) + 5498)$$

$$(16\,f(x)\,x^{3} - 4\,f(x)\,x^{2} - 8\,f(x)\,x + 72\,x^{2} + f(x) - 8\,x - 34)$$

Sequence: A209891
Score: 4.83348
Type of gen. func.: ogf

{a(n + 3) - 8 a(n + 2) - 4 a(n + 1) + 16 a(n), a(0) = 34, a(1) = 280,

a(2) = 2304}

Sequence: A209891
Score: 8.98725
Type of gen. func.: ogf

$$-\frac{2 (36 x^2 - 4 x - 17)}{16 x^3 - 4 x^2 - 8 x + 1}$$

Sequence: A209906
Score: 4.41238
Type of gen. func.: ogf

$$-\frac{2 (32 x^5 + 46 x^4 - 114 x^3 - 114 x^2 + 64 x + 31)}{8 x^6 + 12 x^5 - 30 x^4 - 30 x^3 + 21 x^2 + 7 x - 1}$$

Sequence: A209923
Score: 6.39997
Type of gen. func.: revegf]

$$-x + 5/4 + 1/2 (x - 1)^2 \ln(x - 1) + (x - 1)^2 (- 5/4 - 1/2 I Pi)$$

Sequence: A209931
Score: 29.7848
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9 + x^8 + 2$$

Sequence: A209931
Score: 7.34486
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A209937
Score: 8.00139
Type of gen. func.: revegf]

$$\left(2 \ln(x - 1) - \frac{1}{x - 1} - 2 I \pi - 1\right) (x - 1)$$

Sequence: A209939
Score: 4.84382
Type of gen. func.: ogf_with_Euler_transform]

$$- (-6 x^{11} + 3 x^{10} - 6 x^9 + 6 x^8 - 3 x^7 + 3 x^6 - 12 x^5 + 3 x^4 - 3 x^3 + 6 x^2 - 6 x + 3) \Big/ (x^{12} - 1)$$

Sequence: A209940
Score: 7.99525
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{4 x^7 + 2 x^6 - 3 x^5 + 2 x^4 + 6 x^3 + 2 x^2 - 3 x + 2}{-x^8 + 1}$$

Sequence: A209941
Score: 11.6477
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-6 x^3 + 6 x^2 - 12 x + 6}{x^4 - 1}$$

Sequence: A209942
Score: 11.8029
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-10 x^{3} + 14 x^{2} - 24 x + 14}{x^{4} - 1}$$

Sequence: A209944
Score: 12.9433
Type of gen. func.: ogf

$$-\frac{2 (27 x + 17)}{12 x^{2} + 6 x - 1}$$

Sequence: A209944
Score: 6.68039
Type of gen. func.: ogf

$$(197 f(x) - 1151) (12 f(x) x^{2} + 6 f(x) x - f(x) + 54 x + 34)$$

Sequence: A209944
Score: 7.22415
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) - 12 a(n), a(0) = 34, a(1) = 258\}$$

Sequence: A209944
Score: 8.17470
Type of gen. func.: lgdogf

$$-\frac{-324 x^{2} - 408 x - 129}{-324 x^{3} - 366 x^{2} - 75 x + 17}$$

Sequence: A209953
Score: 4.61083
Type of gen. func.: ogf

$(155673 f(x) - 663998)$

$$(6 f(x) x^3 + 15 f(x) x^2 + 6 f(x) x + 54 x^2 - f(x) + 141 x + 71)$$

Sequence: A209953
Score: 4.88205
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) + 15 a(n + 1) + 6 a(n), a(0) = 71, a(1) = 567, a(2) = 4521\}$$

Sequence: A209953
Score: 8.80248
Type of gen. func.: ogf

$$-\frac{54 x^2 + 141 x + 71}{6 x^3 + 15 x^2 + 6 x - 1}$$

Sequence: A209962
Score: 6.21695
Type of gen. func.: ogf

$$\frac{9 x^2 (2 x + 1)}{(4 x - 1) (x - 1) (2 x^2 + 5 x - 1) (4 x^2 + 6 x - 1)}$$

Sequence: A209971
Score: 13.8022
Type of gen. func.: ogf

$$\frac{2 x (2 x - 1)}{(x^2 + 2 x - 1) (x - 1)^2}$$

Sequence: A209971
Score: 4.03448
Type of gen. func.: ogf

$\{(n + 2) a(n + 1) + (n + 3) a(n + 2) + (-3 n - 4) a(n + 3) + (n + 1) a(n + 4),$

$a(0) = 0, a(1) = 2, a(2) = 4, a(3) = 8\}$

Sequence: A209971
Score: 9.25555
Type of gen. func.: ogf

$$f(x) x^{4} - 4 f(x) x^{2} + 4 f(x) x - 4 x^{2} - f(x) + 2 x$$

Sequence: A209971
Score: 9.83404
Type of gen. func.: lgdogf

$$- \frac{-6 x^{3} - 2 x^{2} + 6 x - 2}{-2 x^{4} - x^{3} + 7 x^{2} - 5 x + 1}$$

Sequence: A210003
Score: 14.2214
Type of gen. func.: ogf

$$- \frac{x^{4} + 1}{x^{5} - x^{4} + 2 x - 1}$$

Sequence: A210003
Score: 8.18807
Type of gen. func.: ogf

$$f(x)^{2} (f(x) x^{5} - f(x) x^{4} + x^{4} + 2 f(x) x - f(x) + 1)$$

Sequence: A210003
Score: 9.65024
Type of gen. func.: lgdogf

$$- \frac{x^{8} - x^{4} + 2}{}$$

$$x^9 - x^8 + 3 x^5 - 2 x^4 + 2 x - 1$$

Sequence: A210005
Score: 3.30328
Type of gen. func.: ogf

$$-(637386615385 f(x) + 82841940309) (12 f(x) x^4 + 34 f(x) x^3 + 16 f(x) x^2 - 6 x^3 - 11 f(x) x - 21 x^2 + f(x) - 22 x - 6)$$

Sequence: A210005
Score: 6.68616
Type of gen. func.: ogf

$$\frac{(2 x + 3) (3 x^2 + 6 x + 2)}{(2 x^2 + 3 x - 1) (6 x^2 + 8 x - 1)}$$

Sequence: A210006
Score: 4.39787
Type of gen. func.: ogf

$$- \frac{24 x^5 - 84 x^4 - 14 x^3 + 215 x^2 - 51 x - 88}{(2 x^3 - 3 x^2 - 6 x + 1) (24 x^3 - 32 x^2 - 24 x + 1)}$$

Sequence: A210021
Score: 11.1044
Type of gen. func.: ogf

$$- \frac{x^4 + x^3 + 1}{x^5 + x^4 - x^3 + 2 x - 1}$$

Sequence: A210021
Score: 6.48495
Type of gen. func.: ogf

$$f(x)^2\ (f(x)\ x^5 + f(x)\ x^4 - f(x)\ x^3 + x^4 + x^3 + 2\ f(x)\ x - f(x) + 1)$$

Sequence: A210030
Score: 8.92321
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2\ x^6 + 3\ x^5 + 2\ x^4 - 2\ x^3 + 2\ x^2 + 3\ x + 2}{-x^8 + 1}$$

Sequence: A210031
Score: 13.6105
Type of gen. func.: ogf

$$-\frac{(x + 1)\ (x^4 - x^3 + x^2 - x + 1)}{x^6 - x^5 + 2\ x - 1}$$

Sequence: A210031
Score: 8.91723
Type of gen. func.: lgdogf

$$-\frac{-x^{10} + 2\ x^5 - 2}{-x^{11} + x^{10} - 3\ x^6 + 2\ x^5 - 2\ x + 1}$$

Sequence: A210032
Score: 11.6245
Type of gen. func.: lgdogf

$$-\frac{-3\ x^4 + 2\ x^3 + 2\ x^2 + 2\ x + 2}{x^5 - 1}$$

Sequence: A210032
Score: 12.9585
Type of gen. func.: ogf

$$-\frac{x^4 + x^3 + x^2 + x + 1}{x - 1}$$

Sequence: A210032
Score: 31.5368
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^4 + 2]$$

Sequence: A210032
Score: 5.72801
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) + a(n + 1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 4,

a(4) = 5, a(5) = 5}

Sequence: A210032
Score: 8.23402
Type of gen. func.: ogf

$$-(f(x) + 10) (x^4 + x^3 + f(x) x + x^2 - f(x) + x + 1)$$

Sequence: A210045
Score: 4.00376
Type of gen. func.: ogf

$$(1134700 f(x) + 421731)$$

$$(8 f(x) x^4 + 20 f(x) x^3 + 6 f(x) x^2 - 4 x^3 - 7 f(x) x - 12 x^2 + f(x) - 9 x)$$

Sequence: A210045
Score: 7.79397
Type of gen. func.: ogf

$$\frac{x (2 x + 3)^2}{{}^{2} \qquad\qquad {}^{2}}$$

$(2 x + 3 x - 1) (4 x + 4 x - 1)$

Sequence: A210046
Score: 4.74502
Type of gen. func.: ogf

$$-\frac{16 x^5 - 24 x^4 - 56 x^3 + 26 x^2 + 7 x - 9}{(16 x^3 - 4 x^2 - 8 x + 1) (2 x^3 - 3 x^2 - 6 x + 1)}$$

Sequence: A210054
Score: 3.8908
Type of gen. func.: ogf

$$-(471589785 f(x) + 680267672) (16 f(x) x^4 - 52 f(x) x^3 + 48 f(x) x^2 + 32 x^3 - 13 f(x) x - 92 x^2 + f(x) + 66 x - 9)$$

Sequence: A210054
Score: 7.59631
Type of gen. func.: ogf

$$-\frac{32 x^3 - 92 x^2 + 66 x - 9}{(4 x - 1) (x - 1) (4 x^2 - 8 x + 1)}$$

Sequence: A210055
Score: 4.00253
Type of gen. func.: ogf

$$-\frac{640 x^5 + 848 x^4 - 4312 x^3 + 3599 x^2 - 833 x + 51}{(x - 1) (8 x - 1) (16 x^4 + 40 x^3 - 78 x^2 + 20 x - 1)}$$

Sequence: A210062
Score: 5.44095
Type of gen. func.: ogf

$$\frac{x^{14} - x^{13} + x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + 1}{(x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)(x - 1)^{2}}$$

Sequence: A210064
Score: 4.06881
Type of gen. func.: ogf

$$\{(16 n^{2} + 88 n + 120) a(n + 1) + (-8 n^{2} - 42 n - 44) a(n + 2) + (n^{2} + 5 n + 4) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A210064
Score: 8.72588
Type of gen. func.: lgdogf

$$\frac{-\dfrac{28 x - 3}{2 (4 x - 1)^{1/2}} + 3/2 I}{(4 x - 1)^{1/2} x}$$

Sequence: A210067
Score: 8.36370
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4 x^{6} + 6 x^{5} + 4 x^{4} - 4 x^{3} + 4 x^{2} + 6 x + 4}{-x^{8} + 1}$$

Sequence: A210068
Score: 22.3767
Type of gen. func.: ogf_with_Euler_transform]

$$x^{3} + 2 x^{2} + 3 x + 2$$

Sequence: A210068

Score: 4.99130
Type of gen. func.: ogf

$$\frac{1}{(x^2 + 1) (x^2 + x + 1)^2 (x + 1)^4 (x - 1)^8}$$

Sequence: A210070
Score: 4.44884
Type of gen. func.: ogf

$$-\frac{64 x^5 + 50 x^4 - 210 x^3 - 206 x^2 + 16 x + 33}{16 x^6 + 12 x^5 - 54 x^4 - 50 x^3 + 9 x^2 + 9 x - 1}$$

Sequence: A210079
Score: 5.37732
Type of gen. func.: ogf

$$\frac{2 x^4 + 5 x^3 - 34 x^2 + 34 x + 1}{(x - 1) (2 x^2 + 11 x - 1) (2 x^2 - 5 x + 1)}$$

Sequence: A210088
Score: 4.19856
Type of gen. func.: ogf

$$-(88825 f(x) + 13176)$$

$$(8 f(x) x^4 + 10 f(x) x^3 - 27 f(x) x^2 + 10 f(x) x - f(x) + 9 x)$$

Sequence: A210088
Score: 6.37023
Type of gen. func.: lgdogf

$$-\frac{32 x^3 + 30 x^2 - 54 x + 10}{8 x^4 + 10 x^3 - 27 x^2 + 10 x - 1}$$

Sequence: A210088
Score: 9.89661
Type of gen. func.: ogf

$$-\frac{9 x}{(2 x^2 + 5 x - 1) (4 x - 1) (x - 1)}$$

Sequence: A210089
Score: 4.35347
Type of gen. func.: ogf

$$-\frac{16 x^5 - 106 x^4 + 80 x^3 - 2 x^2 - 11 x + 9}{(x - 1) (8 x - 1) (2 x^4 - 11 x^3 - 5 x^2 + 11 x - 1)}$$

Sequence: A210100
Score: 10.3201
Type of gen. func.: ogf

$$-\frac{4 x^2 - 12 x + 7}{(x - 1) (2 x^2 - 5 x + 1)}$$

Sequence: A210100
Score: 5.24464
Type of gen. func.: ogf

$$-(5389 f(x) + 6152) (2 f(x) x^3 - 7 f(x) x^2 + 6 f(x) x + 4 x^2 - f(x) - 12 x + 7)$$

Sequence: A210100
Score: 5.56387
Type of gen. func.: ogf

{-a(n + 3) + 6 a(n + 2) - 7 a(n + 1) + 2 a(n), a(0) = 7, a(1) = 30, a(2) = 135}

Sequence: A210101
Score: 4.9628
Type of gen. func.: ogf

$$(371907 f(x) - 954100)$$

$$(4 f(x) x^3 + 3 f(x) x^2 - 8 f(x) x + 20 x^2 + f(x) + 15 x - 30)$$

Sequence: A210101
Score: 5.21515
Type of gen. func.: ogf

$\{-a(n + 3) + 8 a(n + 2) - 3 a(n + 1) - 4 a(n), a(0) = 30, a(1) = 225,$

$a(2) = 1690\}$

Sequence: A210101
Score: 9.61544
Type of gen. func.: ogf

$$-\frac{5 (4 x^2 + 3 x - 6)}{(x - 1) (4 x^2 + 7 x - 1)}$$

Sequence: A210118
Score: 4.69785
Type of gen. func.: ogf

$$(675146771 f(x) - 539003449)$$

$$(14 f(x) x^3 + 19 f(x) x^2 - 10 f(x) x + 23 x^2 + f(x) + 36 x - 8)$$

Sequence: A210118
Score: 5.25522
Type of gen. func.: ogf

$\{-a(n + 3) + 10 a(n + 2) - 19 a(n + 1) - 14 a(n), a(0) = 8, a(1) = 44,$

$a(2) = 265\}$

Sequence: A210118
Score: 9.39570
Type of gen. func.: ogf

$$-\frac{23 x^2 + 36 x - 8}{(7 x - 1) (2 x^2 + 3 x - 1)}$$

Sequence: A210119
Score: 3.27345
Type of gen. func.: ogf

$$-\frac{1120 x^6 - 1510 x^5 - 4189 x^4 + 999 x^3 + 1699 x^2 - 575 x + 44}{(120 x^4 + 10 x^3 - 69 x^2 + 18 x - 1) (2 x^3 - 3 x^2 - 6 x + 1)}$$

Sequence: A210127
Score: 4.34271
Type of gen. func.: ogf

$$(237592 f(x) - 55277)$$

$$(2 f(x) x^3 + 9 f(x) x^2 - 12 f(x) x + 3 x^2 + f(x) + 15 x - 8)$$

Sequence: A210127
Score: 4.56733
Type of gen. func.: ogf

$$\{-a(n + 3) + 12 a(n + 2) - 9 a(n + 1) - 2 a(n), a(0) = 8, a(1) = 81, a(2) = 897 \}$$

Sequence: A210127
Score: 8.40968
Type of gen. func.: ogf

$$-\frac{3 x^2 + 15 x - 8}{(2 x^2 + 11 x - 1) (x - 1)}$$

Sequence: A210128
Score: 5.12596
Type of gen. func.: ogf

$$-\frac{1022 x^4 - 1475 x^3 + 373 x^2 + 226 x - 81}{(x - 1) (292 x^4 - 200 x^3 - 47 x^2 + 34 x - 1)}$$

Sequence: A210136
Score: 5.64374
Type of gen. func.: ogf

$$-\frac{8 x^4 - 28 x^3 + 36 x^2 - 8 x + 1}{(4 x - 1) (x - 1) (4 x^2 - 8 x + 1) (2 x^2 + 5 x - 1)}$$

Sequence: A210149
Score: 5.17194
Type of gen. func.: ogf

$$-\frac{32 x^4 + 42 x^3 - 141 x^2 - 193 x - 57}{8 x^5 + 10 x^4 - 36 x^3 - 46 x^2 - 11 x + 1}$$

Sequence: A210158
Score: 2.88349
Type of gen. func.: ogf

$$-(8986343974042 f(x) - 15456231553983) (36 f(x) x^4 + 80 f(x) x^3 + 19 f(x) x^2 + 60 x^3 - 16 f(x) x + 144 x^2 + f(x) + 60 x - 13)$$

Sequence: A210158
Score: 5.86757
Type of gen. func.: ogf

$$-\frac{60 x^3 + 144 x^2 + 60 x - 13}{(18 x^2 + 13 x - 1) (2 x^2 + 3 x - 1)}$$

Sequence: A210167
Score: 6.08045
Type of gen. func.: ogf

$$-\frac{8x^4+24x^3+16x^2-4x+1}{(7x-1)(2x^2+3x-1)(4x^2+4x-1)}$$

Sequence: A210176
Score: 3.1938
Type of gen. func.: ogf

$$-(7950372961 f(x)+896455478)(24 f(x) x^4+68 f(x) x^3+26 f(x) x^2-20 x^3-14 f(x) x-56 x^2+f(x)-37 x-1)$$

Sequence: A210176
Score: 6.27354
Type of gen. func.: ogf

$$\frac{(x+1)(20x^2+36x+1)}{(12x^2+10x-1)(2x^2+4x-1)}$$

Sequence: A210209
Score: 4.83208
Type of gen. func.: ogf

$$-x(x^{12}-x^{11}+2x^{10}-x^9-2x^8-x^7-6x^6+x^5-2x^4+x^3+2x^2+x+1) \Big/ \left((x-1)(x+1)(x^2+x+1)(x^2-x+1)(x^4+x^2-1)(x^4-x^2-1)\right)$$

Sequence: A210245
Score: 7.33973
Type of gen. func.: ogf

$$\frac{2x^{35}-x^6-x^5+x^4+x^3-x^2-x+1}{}$$

$$(x + 1) (x^6 - x^5 + x^4 - x^3 + x^2 - x + 1)$$

Sequence: A210260
Score: 3.70511
Type of gen. func.: ogf

$$(4463176 f(x) + 8451) (24 f(x) x^4 + 64 f(x) x^3 + 18 f(x) x^2 - 20 x^3 - 12 f(x) x - 52 x^2 + f(x) - 29 x)$$

Sequence: A210260
Score: 6.90076
Type of gen. func.: ogf

$$\frac{x (20 x^2 + 52 x + 29)}{(12 x^2 + 8 x - 1) (2 x^2 + 4 x - 1)}$$

Sequence: A210269
Score: 11.2520
Type of gen. func.: ogf

$$- \frac{54 x^2 + 7 x - 35}{12 x^3 - 8 x + 1}$$

Sequence: A210269
Score: 6.23871
Type of gen. func.: ogf

$$(483 f(x) - 2365) (12 f(x) x^3 - 8 f(x) x + 54 x^2 + f(x) + 7 x - 35)$$

Sequence: A210269
Score: 6.23871
Type of gen. func.: ogf

$$\{-a(n + 3) + 8 a(n + 2) - 12 a(n), a(0) = 35, a(1) = 273, a(2) = 2130\}$$

Sequence: A210277
Score: 5.08195
Type of gen. func.: ogf

$$\{(-9 n^3 - 45 n^2 - 74 n - 40) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A210293
Score: 2.9588
Type of gen. func.: ogf

$$(8223605 f(x) - 81255051) (18 f(x) x^4 - 20 f(x) x^3 - 42 f(x) x^2 + 144 x^3 - 11 f(x) x - 150 x^2 + f(x) - 346 x - 112)$$

Sequence: A210293
Score: 5.38567
Type of gen. func.: ogf

$$- \frac{2 (72 x^3 - 75 x^2 - 173 x - 56)}{18 x^4 - 20 x^3 - 42 x^2 - 11 x + 1}$$

Sequence: A210302
Score: 5.81117
Type of gen. func.: ogf

$$\frac{x (4 x^3 - 4 x^2 - 21 x + 29)}{(x - 1) (2 x^2 - 5 x + 1) (4 x^2 + 9 x - 1)}$$

Sequence: A210313
Score: 4.01237
Type of gen. func.: ogf

$$- \frac{x (36 x^4 + 156 x^3 + 241 x^2 + 155 x + 35)}{(18 x^2 + 13 x - 1) (6 x^2 + 8 x - 1) (2 x^2 + 3 x - 1)}$$

Sequence: A210328
Score: 4.20555
Type of gen. func.: ogf

$$-\frac{496 x^5 + 1065 x^4 + 173 x^3 - 399 x^2 - 62 x + 39}{(2 x + 1) (62 x^5 + 98 x^4 - 38 x^3 - 35 x^2 + 14 x - 1)}$$

Sequence: A210348
Score: 5.01661
Type of gen. func.: ogf

$$-\frac{(18 x - 5) (30 x^3 + 33 x^2 - 3 x - 8)}{136 x^5 + 104 x^4 - 66 x^3 - 30 x^2 + 14 x - 1}$$

Sequence: A210369
Score: 3.65341
Type of gen. func.: ogf

$$-\frac{x^7 + 9 x^6 + 27 x^5 + 83 x^4 + 59 x^3 + 51 x^2 + 9 x + 1}{(x + 1)^4 (x - 1)^5}$$

Sequence: A210370
Score: 3.72552
Type of gen. func.: ogf

$$-\frac{2 x (3 x^5 + 17 x^4 + 16 x^3 + 28 x^2 + 5 x + 3)}{(x + 1)^4 (x - 1)^5}$$

Sequence: A210373
Score: 3.94909
Type of gen. func.: ogf

5   4   3   2

$$-\frac{x (3 x + 17 x + 16 x + 28 x + 5 x + 3)}{(x + 1)^4 (x - 1)^5}$$

Sequence: A210374
Score: 4.81962
Type of gen. func.: ogf

$$\{(-4 n^2 - 16 n) a(n) + (7 n^2 + 12 n - 19) a(n + 1) + (-3 n^2 + n + 4) a(n + 2),$$

$$a(0) = 0, a(1) = 4\}$$

Sequence: A210374
Score: 5.01769
Type of gen. func.: ogf

$$(83 f(x) - 2979) (f(x) x^4 - 4 f(x) x^3 - 6 x^4 + 6 f(x) x^2 + 12 x^3 - 4 f(x) x$$

$$- 3 x^2 + f(x) - 4 x)$$

Sequence: A210374
Score: 8.72123
Type of gen. func.: lgdogf

$$-\frac{-6 x^3 + 6 x^2 + 15 x - 19}{-6 x^4 + 18 x^3 - 15 x^2 - x + 4}$$

Sequence: A210374
Score: 8.93394
Type of gen. func.: ogf

$$\frac{x (6 x^3 - 12 x^2 + 3 x + 4)}{(x - 1)^4}$$

Sequence: A210375
Score: 8.65515
Type of gen. func.: lgdogf

$$-\frac{20 x^3 - 40 x^2 + 8 x + 16}{6 x^5 - 10 x^4 - 10 x^3 + 26 x^2 - 11 x - 1}$$

Sequence: A210375
Score: 9.03559
Type of gen. func.: ogf

$$\frac{x (6 x^4 - 4 x^3 - 14 x^2 + 12 x + 1)}{(x - 1)^4}$$

Sequence: A210376
Score: 7.74788
Type of gen. func.: lgdogf

$$-\frac{24 x^3 - 30 x^2 - 30 x + 40}{6 x^5 - 6 x^4 - 15 x^3 + 15 x^2 + 10 x - 10}$$

Sequence: A210376
Score: 9.41514
Type of gen. func.: ogf

$$\frac{x^2 (6 x^4 - 15 x^2 + 10)}{(x - 1)^4}$$

Sequence: A210377
Score: 7.86878
Type of gen. func.: ogf

$$\frac{x^2 (6 x^5 - 4 x^3 - 20 x^2 + 15 x + 4)}{(x - 1)^4}$$

Sequence: A210378
Score: 5.45484
Type of gen. func.: ogf

$$-\frac{x^6 + 6x^5 + 27x^4 + 28x^3 + 27x^2 + 6x + 1}{(x+1)^3 (x-1)^5}$$

Sequence: A210379
Score: 5.98873
Type of gen. func.: ogf

$$-\frac{4x(2x^4 + 5x^3 + 10x^2 + 5x + 2)}{(x+1)^3 (x-1)^5}$$

Sequence: A210383
Score: 4.94792
Type of gen. func.: ogf

$$(61 f(x) - 2815)(6 f(x) x^3 + 6 f(x) x^2 - 9 f(x) x + 54 x^2 + f(x) + 60 x - 73)$$

Sequence: A210383
Score: 4.94792
Type of gen. func.: ogf

$\{-a(n+3) + 9 a(n+2) - 6 a(n+1) - 6 a(n), a(0) = 73, a(1) = 597,$

$a(2) = 4881\}$

Sequence: A210383
Score: 9.12273
Type of gen. func.: ogf

$$-\frac{54x^2 + 60x - 73}{6x^3 + 6x^2 - 9x + 1}$$

Sequence: A210384
Score: 4.26723
Type of gen. func.: ogf

$$-\frac{864 x^5 - 1750 x^4 - 3946 x^3 + 2349 x^2 + 2123 x - 597}{32 x^6 - 66 x^5 - 144 x^4 + 93 x^3 + 76 x^2 - 26 x + 1}$$

Sequence: A210397
Score: 4.40438
Type of gen. func.: ogf

$$(10375717 f(x) - 5230582)$$

$$(4 f(x) x^3 + 5 f(x) x^2 - 10 f(x) x + 6 x^2 + f(x) + 11 x - 7)$$

Sequence: A210397
Score: 4.78406
Type of gen. func.: ogf

$$\{-a(n + 3) + 10 a(n + 2) - 5 a(n + 1) - 4 a(n), a(0) = 7, a(1) = 59, a(2) = 549$$

$$\}$$

Sequence: A210397
Score: 8.80875
Type of gen. func.: ogf

$$-\frac{(3 x + 7) (2 x - 1)}{(x - 1) (4 x^2 + 9 x - 1)}$$

Sequence: A210398
Score: 4.73299
Type of gen. func.: ogf

$$-\frac{1344 x^4 - 1400 x^3 - 56 x^2 + 336 x - 59}{(2 x + 1) (x - 1) (192 x^3 - 154 x^2 + 29 x - 1)}$$

Sequence: A210406
Score: 11.2123
Type of gen. func.: ogf

$$-\frac{8x+7}{12x^2+10x-1}$$

Sequence: A210406
Score: 5.9211
Type of gen. func.: ogf

$$(79 f(x) - 46) (12 f(x) x^2 + 10 f(x) x - f(x) + 8 x + 7)$$

Sequence: A210406
Score: 6.19973
Type of gen. func.: ogf

{a(n + 2) - 10 a(n + 1) - 12 a(n), a(0) = 7, a(1) = 78}

Sequence: A210406
Score: 7.31912
Type of gen. func.: lgdogf

$$-\frac{-96x^2-168x-78}{-96x^3-164x^2-62x+7}$$

Sequence: A210407
Score: 3.27158
Type of gen. func.: ogf

$$-(86564235161 f(x) + 85034103220) (96 f(x) x^4 - 280 f(x) x^3 + 40 f(x) x^2 + 256 x^3 + 31 f(x) x - 744 x^2 - f(x) + 102 x + 78)$$

Sequence: A210407
Score: 6.35935
Type of gen. func.: ogf

$$-\frac{2\,(128\,x^3-372\,x^2+51\,x+39)}{96\,x^4-280\,x^3+40\,x^2+31\,x-1}$$

Sequence: A210427
Score: 7.33903
Type of gen. func.: ogf

$$\frac{x\,(x^4+6\,x^3+12\,x^2+6\,x+1)}{(x-1)^6}$$

Sequence: A210427
Score: 7.99954
Type of gen. func.: lgdogf

$$-\frac{-2\,x^4-22\,x^3-66\,x^2-54\,x-12}{-x^5-5\,x^4-6\,x^3+6\,x^2+5\,x+1}$$

Sequence: A210428
Score: 6.16738
Type of gen. func.: ogf

$$-\frac{x\,(x+1)\,(x^4+8\,x^3+20\,x^2+8\,x+1)}{(x-1)^7}$$

Sequence: A210429
Score: 5.29847
Type of gen. func.: ogf

$$\frac{x\,(x^4+10\,x^3+36\,x^2+10\,x+1)\,(x+1)^2}{(x-1)^8}$$

Sequence: A210430
Score: 4.42344
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^6 + 15 x^5 + 90 x^4 + 170 x^3 + 90 x^2 + 15 x + 1)}{(x - 1)^9}$$

Sequence: A210431
Score: 3.90120
Type of gen. func.: ogf

$$\frac{x (x^8 + 20 x^7 + 179 x^6 + 630 x^5 + 960 x^4 + 630 x^3 + 179 x^2 + 20 x + 1)}{(x - 1)^{10}}$$

Sequence: A210432
Score: 3.44889
Type of gen. func.: ogf

$$- x (x + 1) (x^8 + 24 x^7 + 265 x^6 + 1132 x^5 + 1904 x^4 + 1132 x^3 + 265 x^2 + 24 x + 1) / (x - 1)^{11}$$

Sequence: A210433
Score: 7.73697
Type of gen. func.: ogf

$$\frac{x (x^3 + x^2 + 3 x + 1)}{(x + 1)^3 (x - 1)^4}$$

Sequence: A210433
Score: 9.02647
Type of gen. func.: lgdogf

$$- \frac{-4 x^4 - 6 x^3 - 22 x^2 - 12 x - 4}{}$$

$$-x^5 - x^4 - 2 x^3 + 3 x + 1$$

Sequence: A210434
Score: 12.7023
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^2 - x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A210434
Score: 22.2379
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^5 + x^4 + x + 1]$$

Sequence: A210435
Score: 6.99645
Type of gen. func.: ogf

$$\frac{x^{11} - x^{10} + x^9 + x^8 + x^6 + x^5 + x^3 + x^2 + 1}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A210436
Score: 8.39596
Type of gen. func.: ogf

$$\frac{x^8 + x^7 + x^6 + x^4 + x^3 + x^2 + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A210440
Score: 15.4706
Type of gen. func.: ogf

$$\frac{4 x}{}$$

$$(x - 1)^4$$

Sequence: A210440
Score: 29.2836
Type of gen. func.: lgdogf

$$\frac{4}{-x + 1}$$

Sequence: A210440
Score: 6.72083
Type of gen. func.: ogf

$$-(7 f(x) + 18) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + f(x) - 4 x)$$

Sequence: A210440
Score: 62.6778
Type of gen. func.: ogf_with_Euler_transform]

[4]

Sequence: A210440
Score: 7.96060
Type of gen. func.: ogf

$$\{(n + 1) a(n + 2) + (-4 - n) a(n + 1), a(0) = 0, a(1) = 4\}$$

Sequence: A210448
Score: 10.4760
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 6 a(n), a(0) = 0, a(1) = 3\}$$

Sequence: A210448
Score: 14.3823
Type of gen. func.: ogf

2

$$-6 f(x) x + 5 f(x) x - f(x) + 3 x$$

Sequence: A210448
Score: 17.3176
Type of gen. func.: lgdogf

$$-\frac{12 x - 5}{6 x^{2} - 5 x + 1}$$

Sequence: A210448
Score: 22.9341
Type of gen. func.: ogf

$$\frac{3 x}{(3 x - 1) (2 x - 1)}$$

Sequence: A210460
Score: 11.4860
Type of gen. func.: ogf

$$-\frac{x + 1}{x^{4} + 2 x^{3} + 2 x^{2} + x - 1}$$

Sequence: A210460
Score: 5.56069
Type of gen. func.: ogf

$$-(11 f(x) + 3) (f(x) x^{4} + 2 f(x) x^{3} + 2 f(x) x^{2} + f(x) x - f(x) + x + 1)$$

Sequence: A210460
Score: 7.61573
Type of gen. func.: lgdogf

$$-\frac{3 x^{4} + 8 x^{3} + 8 x^{2} + 4 x + 2}{x^{5} + 3 x^{4} + 4 x^{3} + 3 x^{2} - 1}$$

Sequence: A210464
Score: 7.55191
Type of gen. func.: ogf

$$-\frac{2 x^5 - 4 x^4 - 2 x^3 + 8 x^2 - 3 x - 4}{(x + 1)^2 (x - 1)^4}$$

Sequence: A210474
Score: 9.06995
Type of gen. func.: ogf

$$4 f(x)^2 x + 3 f(x) x^2 - 2 f(x) x + x^2 - f(x) - 2 x + 1$$

Sequence: A210527
Score: 10.9827
Type of gen. func.: lgdogf

$$-\frac{-53 x^2 + 130 x - 131}{-53 x^3 + 171 x^2 - 201 x + 83}$$

Sequence: A210527
Score: 12.6724
Type of gen. func.: ogf

$$-\frac{53 x^2 - 118 x + 83}{(x - 1)^3}$$

Sequence: A210527
Score: 6.80746
Type of gen. func.: ogf

$$(464 f(x) + 22945) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 53 x^2 - f(x) - 118 x + 83)$$

Sequence: A210527
Score: 7.04020
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 83, a(1) = 131, a(2) = 197\}$$

Sequence: A210569
Score: 11.2960
Type of gen. func.: ogf

$$\frac{4 x^4}{(x - 1)^6}$$

Sequence: A210569
Score: 29.0468
Type of gen. func.: lgdogf

$$\frac{6}{-x + 1}$$

Sequence: A210569
Score: 5.98022
Type of gen. func.: ogf

$$\{(-2 + n) a(n + 2) + (-3 - n) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 4\}$$

Sequence: A210569
Score: 62.1188
Type of gen. func.: ogf_with_Euler_transform]

[6]

Sequence: A210573
Score: 10.5431
Type of gen. func.: lgdegf]

$$-2 x^4 + 2 x^3 - x^2 + 2 x + 1$$

```
                         - ---------------------------
                                  3    2
                                -x  + x  + x - 1
```

Sequence: A210573
Score: 20.7726
Type of gen. func.: lgdegf]

```
                               4      3    2
                           -2 x  + 2 x  - x  + 2 x + 1
                         - ---------------------------
                                  3    2
                                -x  + x  + x - 1
```

Sequence: A210621
Score: 9.00075
Type of gen. func.: ogf

```
                 9      8      7      6      5      4      2
              4 x  + 2 x  + 8 x  + 3 x  + 9 x  + 4 x  + 6 x  + x + 3
            - ------------------------------------------------------
                                  2             6    3
                        (x - 1) (x  + x + 1) (x  + x  + 1)
```

Sequence: A210622
Score: 15.1413
Type of gen. func.: ogf

```
                              4      3      2
                           5 x  - 3 x  + 3 x  - 2 x + 3
                         - ----------------------------
                                      x - 1
```

Sequence: A210622
Score: 8.55203
Type of gen. func.: ogf

```
    {a(n + 5) - a(n + 4), a(0) = 3, a(1) = 1, a(2) = 4, a(3) = 1, a(4) = 6}
```

Sequence: A210622
Score: 8.96718
Type of gen. func.: ogf

```
                                4      3               2
      -(31175 f(x) - 40563) (5 x  - 3 x  + f(x) x + 3 x  - f(x) - 2 x + 3)
```

Sequence: A210622
Score: 9.32948
Type of gen. func.: lgdogf

$$-\frac{15 x^4 - 26 x^3 + 12 x^2 - 6 x - 1}{-5 x^5 + 8 x^4 - 6 x^3 + 5 x^2 - 5 x + 3}$$

Sequence: A210626
Score: 10.5723
Type of gen. func.: ogf

$$-\frac{3737 x^2 - 7178 x + 3449}{(x - 1)^3}$$

Sequence: A210626
Score: 5.73689
Type of gen. func.: ogf

$$(1529 f(x) - 9097212)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3737 x^2 - f(x) - 7178 x + 3449)$$

Sequence: A210626
Score: 6.11619
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3449, a(1) = 3169,$

$a(2) = 2897\}$

Sequence: A210626
Score: 8.50643
Type of gen. func.: lgdogf

$$-\frac{-3737 x^2 + 6882 x - 3169}{-3737 x^3 + 10915 x^2 - 10627 x + 3449}$$

Sequence: A210628
Score: 10.4049
Type of gen. func.: revogf

$$\frac{x}{2} + \frac{1}{4} - \frac{(-4 x^{2} - 4 x + 1)^{1/2}}{4}$$

Sequence: A210628
Score: 9.90941
Type of gen. func.: ogf

$$f(x)^{2} x - 2 f(x) x + f(x) + 2 x - 1$$

Sequence: A210631
Score: 8.93549
Type of gen. func.: ogf

$$- \frac{x^{12}}{(x^{2} + 1) (x^{2} + x + 1) (x + 1)^{3} (x - 1)^{5}}$$

Sequence: A210631
Score: 9.34917
Type of gen. func.: lgdogf

$$- \frac{-12 x^{5} - 13 x^{4} - 18 x^{3} - 10 x^{2} - 6 x - 1}{-x^{6} - x^{5} - x^{4} + x^{2} + x + 1}$$

Sequence: A210633
Score: 6.27108
Type of gen. func.: ogf

$$\frac{x^{18}}{(x^{2} + 1) (x^{2} + x + 1)^{2} (x + 1)^{4} (x - 1)^{8}}$$

Sequence: A210633
Score: 9.09018
Type of gen. func.: lgdogf

$$-\frac{-18x^5-20x^4-28x^3-18x^2-10x-2}{-x^6-x^5-x^4+x^2+x+1}$$

Sequence: A210634
Score: 10.3940
Type of gen. func.: ogf

$$-\frac{x^{12}}{(x^2+x+1)(x+1)^3(x-1)^7}$$

Sequence: A210634
Score: 13.3043
Type of gen. func.: lgdogf

$$-\frac{-12x^3-15x^2-12x-3}{-x^4-x^3+x+1}$$

Sequence: A210645
Score: 14.6165
Type of gen. func.: ogf

$$-\frac{84(x+1)}{(x-1)^3}$$

Sequence: A210645
Score: 18.2706
Type of gen. func.: lgdogf

$$-\frac{2x+4}{}$$

$$x^2 - 1$$

Sequence: A210645
Score: 38.0006
Type of gen. func.: ogf_with_Euler_transform]

$$[4 - x]$$

Sequence: A210645
Score: 6.87100
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 84, a(1) = 336, a(2) = 756\}$$

Sequence: A210645
Score: 7.37529
Type of gen. func.: ogf

$$(59 f(x) - 6741) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 84 x + 84)$$

Sequence: A210673
Score: 10.0450
Type of gen. func.: lgdogf

$$- \frac{-4 x^3 + 2 x^2 - x + 1}{-2 x^4 + x^3 + 4 x^2 - 4 x + 1}$$

Sequence: A210673
Score: 11.0082
Type of gen. func.: ogf

$$- \frac{x (2 x - 1)^2}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A210673
Score: 4.12102
Type of gen. func.: ogf

$$\{-a(n+1)\, n - a(n+2) + (2 n - 1)\, a(n+3) + (-n + 1)\, a(n+4),\ a(0) = 0,$$

$$a(1) = 1,\ a(2) = -1,\ a(3) = -1,\ a(4) = -2,\ a(5) = -2\}$$

Sequence: A210673
Score: 5.99701
Type of gen. func.: ogf

$$(18 f(x) + 5)$$

$$(f(x)\, x^4 - f(x)\, x^3 - 2 f(x)\, x^2 + 4 x^3 + 3 f(x)\, x - 4 x^2 - f(x) + x)$$

Sequence: A210675
Score: 11.0306
Type of gen. func.: ogf

$$\frac{x (4 x^2 - 4 x - 1)}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A210675
Score: 4.44881
Type of gen. func.: ogf

$$\{(n + 8)\, a(n+1) + a(n+2) + (-2 n - 15)\, a(n+3) + (n + 7)\, a(n+4),$$

$$a(0) = 0,\ a(1) = 1,\ a(2) = 7,\ a(3) = 15\}$$

Sequence: A210675
Score: 5.51531
Type of gen. func.: ogf

$$-(12498 f(x) - 181171)$$

$$(f(x)\, x^4 - f(x)\, x^3 - 2 f(x)\, x^2 - 4 x^3 + 3 f(x)\, x + 4 x^2 - f(x) + x)$$

Sequence: A210675
Score: 8.30139

Type of gen. func.: lgdogf

$$-\frac{-8x^4+8x^3+4x^2+5x-7}{-4x^5+4x^4+9x^3-12x^2+2x+1}$$

Sequence: A210677
Score: 11.3713
Type of gen. func.: ogf

$$\frac{2x^3-4x^2+2x-1}{(x^2+x-1)(x-1)^2}$$

Sequence: A210677
Score: 4.83752
Type of gen. func.: ogf

$$\{(-n-5)\,a(n+1)-a(n+2)+(2n+9)\,a(n+3)+(-4-n)\,a(n+4),$$

$$a(0)=1,\ a(1)=1,\ a(2)=5,\ a(3)=10\}$$

Sequence: A210677
Score: 6.20987
Type of gen. func.: ogf

$$(169\,f(x)-536)$$

$$(f(x)\,x^4-f(x)\,x^3-2\,f(x)\,x^2-2x^3+3\,f(x)\,x+4x^2-f(x)-2x+1)$$

Sequence: A210677
Score: 7.74859
Type of gen. func.: lgdogf

$$-\frac{2x^5-6x^4+8x^3-12x^2+5x+1}{2x^6-4x^5-2x^4+9x^3-8x^2+4x-1}$$

Sequence: A210678

Score: 11.4665
Type of gen. func.: ogf

$$\frac{3 x^{3} - 5 x^{2} + 2 x - 1}{(x^{2} + x - 1) (x - 1)^{2}}$$

Sequence: A210678
Score: 4.85120
Type of gen. func.: ogf

$$\{(-n - 6) a(n + 1) - a(n + 2) + (2 n + 11) a(n + 3) + (-n - 5) a(n + 4),$$
$$a(0) = 1, a(1) = 1, a(2) = 6, a(3) = 12\}$$

Sequence: A210678
Score: 6.26183
Type of gen. func.: ogf

$$(158 f(x) - 945)$$
$$(f(x) x^{4} - f(x) x^{3} - 2 f(x) x^{2} - 3 x^{3} + 3 f(x) x + 5 x^{2} - f(x) - 2 x + 1)$$

Sequence: A210678
Score: 7.67755
Type of gen. func.: lgdogf

$$- \frac{-3 x^{5} + 7 x^{4} - 10 x^{3} + 16 x^{2} - 7 x - 1}{-3 x^{6} + 5 x^{5} + 4 x^{4} - 12 x^{3} + 9 x^{2} - 4 x + 1}$$

Sequence: A210685
Score: 5.74261
Type of gen. func.: ogf

$$\{(4 n + 14) a(n + 1) + (7 n + 6) a(n + 2) + (-2 n - 8) a(n + 3), a(0) = -1,$$
$$a(1) = 2, a(2) = -2\}$$

Sequence: A210685
Score: 6.5198

Type of gen. func.: ogf

$$f(x)^2 x^4 + 6 f(x)^2 x^3 + 12 f(x)^2 x^2 + 8 f(x)^2 x - 2 f(x) x^2 + 10 f(x) x + f(x) + 1$$

Sequence: A210687
Score: 4.32538
Type of gen. func.: ogf

$$(2 x^{11} + 6 x^{10} + 68 x^9 + 167 x^8 + 302 x^7 + 417 x^6 + 479 x^5 + 439 x^4 + 334 x^3 + 199 x^2 + 88 x + 16) / ((x + 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x - 1)^4)$$

Sequence: A210695
Score: 12.2119
Type of gen. func.: ogf

$$- \frac{x (5 x + 1)}{(x - 1) (x^2 - 6 x + 1)}$$

Sequence: A210695
Score: 5.84941
Type of gen. func.: ogf

$$-(29816 f(x) - 22579) (f(x) x^3 - 7 f(x) x^2 + 7 f(x) x + 5 x^2 - f(x) + x)$$

Sequence: A210695
Score: 6.21499
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 7 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 12\}$$

Sequence: A210695
Score: 8.09394
Type of gen. func.: lgdogf

$$-\frac{-10 x^{3} + 32 x^{2} + 14 x - 12}{-5 x^{4} + 34 x^{3} - 28 x^{2} - 2 x + 1}$$

Sequence: A210698
Score: 3.60922
Type of gen. func.: ogf

$$-(x^{11} + 9 x^{10} + 23 x^{9} + 115 x^{8} + 109 x^{7} + 139 x^{6} + 219 x^{5} + 91 x^{4} + 53 x^{3} + 25 x^{2} + 7 x + 1) / ((x^{2} + x + 1)^{4} (x - 1)^{5})$$

Sequence: A210699
Score: 4.69707
Type of gen. func.: ogf

$$-\frac{2 x^{7} + 40 x^{6} + 351 x^{5} + 872 x^{4} + 877 x^{3} + 315 x^{2} + 62 x + 1}{(x - 1)^{9}}$$

Sequence: A210728
Score: 10.4576
Type of gen. func.: ogf

$$\frac{2 x^{3} - 3 x^{2} + x - 1}{(x^{2} + x - 1) (x - 1)^{2}}$$

Sequence: A210728
Score: 4.42437
Type of gen. func.: ogf

$\{(-n - 6) a(n + 1) - a(n + 2) + (2 n + 11) a(n + 3) + (-n - 5) a(n + 4),$

$a(0) = 1, a(1) = 2, a(2) = 7, a(3) = 14\}$

Sequence: A210728
Score: 5.51531
Type of gen. func.: ogf

$$-(300 f(x) - 1559) (f(x) x^4 - f(x) x^3 - 2 f(x) x^2 - 2 x^3 + 3 f(x) x + 3 x^2 - f(x) - x + 1)$$

Sequence: A210729
Score: 4.21359
Type of gen. func.: ogf

$$\{(n + 7) a(n + 1) + a(n + 2) + (-2 n - 13) a(n + 3) + (n + 6) a(n + 4),$$
$$a(0) = 1, a(1) = 2, a(2) = 8, a(3) = 16\}$$

Sequence: A210729
Score: 5.40051
Type of gen. func.: ogf

$$(661 f(x) - 5920) (f(x) x^4 - f(x) x^3 - 2 f(x) x^2 - 3 x^3 + 3 f(x) x + 4 x^2 - f(x) - x + 1)$$

Sequence: A210729
Score: 9.95939
Type of gen. func.: ogf

$$\frac{3 x^3 - 4 x^2 + x - 1}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A210730
Score: 11.3038
Type of gen. func.: ogf

$$\frac{x^2 (3 x - 4)}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A210730
Score: 4.35731
Type of gen. func.: ogf

$$\{(-n - 6)\, a(n + 1) - a(n + 2) + (2 n + 11)\, a(n + 3) + (-n - 5)\, a(n + 4),$$

$$a(0) = 0,\ a(1) = 0,\ a(2) = 4,\ a(3) = 9\}$$

Sequence: A210730
Score: 5.99968
Type of gen. func.: ogf

$$(5 f(x) - 64) (f(x) x^4 - f(x) x^3 - 2 f(x) x^2 - 3 x^3 + 3 f(x) x + 4 x^2 - f(x))$$

Sequence: A210730
Score: 9.51170
Type of gen. func.: lgdogf

$$- \frac{-9 x^3 + 13 x^2 + 7 x - 9}{-3 x^4 + 4 x^3 + 6 x^2 - 11 x + 4}$$

Sequence: A210731
Score: 10.8544
Type of gen. func.: ogf

$$\frac{x^2 (4 x - 5)}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A210731
Score: 4.16087
Type of gen. func.: ogf

$$\{(-n - 7)\, a(n + 1) - a(n + 2) + (2 n + 13)\, a(n + 3) + (-n - 6)\, a(n + 4),$$

$$a(0) = 0,\ a(1) = 0,\ a(2) = 5,\ a(3) = 11\}$$

Sequence: A210731
Score: 5.71722
Type of gen. func.: ogf

$$(6 f(x) - 125) (f(x) x^4 - f(x) x^3 - 2 f(x) x^2 - 4 x^3 + 3 f(x) x + 5 x^2 - f(x))$$

Sequence: A210731
Score: 8.91614
Type of gen. func.: lgdogf

$$- \frac{-12 x^3 + 16 x^2 + 9 x - 11}{-4 x^4 + 5 x^3 + 8 x^2 - 14 x + 5}$$

Sequence: A210736
Score: 11.179
Type of gen. func.: ogf

$$-2 f(x)^2 x + f(x)^2 + 2 f(x) x - f(x) - x$$

Sequence: A210736
Score: 7.69875
Type of gen. func.: ogf

$$\{-4 a(n) n - 2 a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A210772
Score: 7.25089
Type of gen. func.: ogf

$$- \frac{12 x^5 + 11 x^4 + 30 x^3 - 44 x^2 + 13 x - 1}{(x - 1) (8 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A210773
Score: 4.79009
Type of gen. func.: ogf

$$\frac{256 x^8 - 400 x^7 - 42 x^6 - 169 x^5 - 470 x^4 + 734 x^3 - 252 x^2 + 29 x - 1}{(x - 1) (4 x - 1) (2 x - 1) (8 x - 1) (16 x - 1)}$$

Sequence: A210774
Score: 3.85856
Type of gen. func.: ogf

$$-(2048 x^{9} - 320 x^{8} + 4220 x^{7} + 5227 x^{6} + 14870 x^{5} - 23958 x^{4} + 8798 x^{3} - 1180 x^{2} + 61 x - 1)/((x - 1) (4 x - 1) (2 x - 1) (8 x - 1) (16 x - 1) (32 x - 1))$$

Sequence: A210843
Score: 18.7477
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4 + x}{-x + 1}$$

Sequence: A210886
Score: 6.27914
Type of gen. func.: ogf

$$11 (909091 x^{10} - 3545454 x^{7} + 3545454 x^{6} - 3546454 x^{3} + 909091 x^{2} + 909091 x + 910091) \Big/ ((x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A210887
Score: 4.91602
Type of gen. func.: ogf

$$\frac{375 x^{9} + 2284 x^{6} + 376 x^{5} + 375 x^{4} + 2528 x^{3} + 375 x^{2} + 375 x + 619}{(x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A210888
Score: 6.80240
Type of gen. func.: ogf

6 3 2

$$\frac{11 (9091 x - 35554 x + 9091 x + 9091 x + 9191)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A210944
Score: 5.29998
Type of gen. func.: ogf

$$x (3 x^{18} + 7 x^{17} - 21 x^{16} + 21 x^{15} - 21 x^{14} + 21 x^{13} - 11 x^{12} + 10 x^{11} - 11 x^{10} + x^2 + x + 1) / ((x^2 + x + 1) (x - 1)^2)$$

Sequence: A210977
Score: 11.6366
Type of gen. func.: lgdogf

$$- \frac{6 x^3 + 10 x^2 + 11 x + 3}{2 x^4 + 2 x^3 - x^2 - 2 x - 1}$$

Sequence: A210977
Score: 11.7803
Type of gen. func.: ogf

$$- \frac{x (2 x^2 + 2 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A210978
Score: 10.2636
Type of gen. func.: lgdogf

$$- \frac{-6 x^3 - 18 x^2 - 13 x - 5}{-2 x^4 - 4 x^3 + x^2 + 4 x + 1}$$

Sequence: A210978

Score: 10.3903
Type of gen. func.: ogf

$$-\frac{x\,(2\,x^2+4\,x+1)}{(x+1)^2\,(x-1)^3}$$

Sequence: A210981
Score: 11.4355
Type of gen. func.: lgdogf

$$-\frac{-6\,x^3-26\,x^2-15\,x-7}{-2\,x^4-6\,x^3+x^2+6\,x+1}$$

Sequence: A210981
Score: 11.5767
Type of gen. func.: ogf

$$-\frac{x\,(2\,x^2+6\,x+1)}{(x+1)^2\,(x-1)^3}$$

Sequence: A210982
Score: 11.5822
Type of gen. func.: lgdogf

$$-\frac{-6\,x^3-30\,x^2-16\,x-8}{-2\,x^4-7\,x^3+x^2+7\,x+1}$$

Sequence: A210982
Score: 11.7251
Type of gen. func.: ogf

$$-\frac{x\,(2\,x^2+7\,x+1)}{(x+1)^2\,(x-1)^3}$$

Sequence: A211010
Score: 10.6172
Type of gen. func.: ogf

$$-\frac{x (x + 1) (2 x^2 + 1)}{(x - 1) (x^2 + 1)}$$

Sequence: A211010
Score: 5.74116
Type of gen. func.: ogf

{-a(n + 3) + a(n + 2) - a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 3,

a(4) = 4}

Sequence: A211010
Score: 6.10281
Type of gen. func.: ogf

$$-(2 f(x) + 5) (f(x) x^3 + 2 x^4 - f(x) x^2 + 2 x^3 + f(x) x + x^2 - f(x) + x)$$

Sequence: A211010
Score: 9.22687
Type of gen. func.: lgdogf

$$-\frac{4 x^4 - 2 x^3 + 6 x^2 + 2 x + 2}{2 x^6 + x^4 - 2 x^2 - 1}$$

Sequence: A211012
Score: 14.3864
Type of gen. func.: lgdogf

$$-\frac{16 x - 6}{8 x^2 - 6 x + 1}$$

Sequence: A211012
Score: 19.0523
Type of gen. func.: ogf

$$\frac{8 x^2}{(4 x - 1) (2 x - 1)}$$

Sequence: A211012
Score: 7.04935
Type of gen. func.: ogf

{-a(n + 3) + 6 a(n + 2) - 8 a(n + 1), a(0) = 0, a(1) = 0, a(2) = 8}

Sequence: A211012
Score: 9.15498
Type of gen. func.: ogf

$$f(x) (8 f(x) x^2 - 6 f(x) x - 8 x^2 + f(x))$$

Sequence: A211013
Score: 13.3099
Type of gen. func.: ogf

$$- \frac{x (x + 10)}{(x - 1)^3}$$

Sequence: A211013
Score: 15.4395
Type of gen. func.: lgdogf

$$- \frac{2 x + 31}{x^2 + 9 x - 10}$$

Sequence: A211013
Score: 6.54216
Type of gen. func.: ogf

$$(133463 f(x) - 771561) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 10 x)$$

Sequence: A211013
Score: 6.83164
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 10, a(2) = 31\}$$

Sequence: A211014
Score: 13.0345
Type of gen. func.: ogf

$$- \frac{x (x + 11)}{(x - 1)^3}$$

Sequence: A211014
Score: 14.8235
Type of gen. func.: lgdogf

$$- \frac{2 x + 34}{x^2 + 10 x - 11}$$

Sequence: A211014
Score: 6.69027
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 11, a(2) = 34\}$$

Sequence: A211014
Score: 7.16643
Type of gen. func.: ogf

$$(27216 f(x) - 173489) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 11 x)$$

Sequence: A211033
Score: 4.15199

Type of gen. func.: ogf

$$-(x^{11}+7x^{10}+25x^{9}+53x^{8}+91x^{7}+219x^{6}+139x^{5}+109x^{4}+115x^{3}+23x^{2}+9x+1)\Big/\left((x^{2}+x+1)^{4}(x-1)^{5}\right)$$

Sequence: A211034
Score: 4.30976
Type of gen. func.: ogf

$$-x(4x^{9}+20x^{8}+59x^{7}+109x^{6}+96x^{5}+136x^{4}+100x^{3}+28x^{2}+21x+3)\Big/\left((x^{2}+x+1)^{4}(x-1)^{5}\right)$$

Sequence: A211064
Score: 4.63267
Type of gen. func.: ogf

$$-\frac{x^{7}+9x^{6}+51x^{5}+59x^{4}+83x^{3}+27x^{2}+9x+1}{(x+1)^{4}(x-1)^{5}}$$

Sequence: A211065
Score: 5.06826
Type of gen. func.: ogf

$$-\frac{2x(3x^{5}+5x^{4}+28x^{3}+16x^{2}+17x+3)}{(x+1)^{4}(x-1)^{5}}$$

Sequence: A211068
Score: 4.90131
Type of gen. func.: ogf

$$-\frac{x(3x^{5}+5x^{4}+28x^{3}+16x^{2}+17x+3)}{(x+1)^{4}(x-1)^{5}}$$

Sequence: A211071
Score: 3.80654
Type of gen. func.: ogf

$$-x\left(3x^{9}+21x^{8}+28x^{7}+100x^{6}+136x^{5}+96x^{4}+109x^{3}+59x^{2}+20x+4\right) \Big/ \left((x^{2}+x+1)^{4}(x-1)^{5}\right)$$

Sequence: A211114
Score: 8.17070
Type of gen. func.: ogf

$$-\frac{20x^{4}-26x^{2}+x+9}{(x-1)(2x-1)(x+1)(2x^{2}-1)}$$

Sequence: A211115
Score: 4.10897
Type of gen. func.: ogf

$$-\frac{2(10x^{8}-22x^{7}-29x^{6}+76x^{5}+7x^{4}-66x^{3}+14x^{2}+17x-6)}{(x-1)(2x-1)(2x^{2}-1)(x^{2}+x-1)(x^{3}-2x^{2}-x+1)}$$

Sequence: A211116
Score: 3.90902
Type of gen. func.: ogf

$$-\frac{10x^{8}-x^{7}-83x^{6}+21x^{5}+159x^{4}-104x^{3}-53x^{2}+60x-13}{(x-1)(2x-1)(x^{2}+x-1)(x^{2}+2x-1)(x^{3}-2x^{2}-x+1)}$$

Sequence: A211117
Score: 5.93820
Type of gen. func.: ogf

5 4 3 2

$$-\frac{2 (5 x + 8 x - 18 x - 12 x + 21 x - 6)}{(x^2 + 2 x - 1) (x^2 + x - 1) (x - 1) (2 x - 1)}$$

Sequence: A211154
Score: 5.55249
Type of gen. func.: ogf

$$-\frac{x^8 + 36 x^6 + 416 x^5 + 734 x^4 + 1472 x^3 + 724 x^2 + 416 x + 41}{(x + 1)^4 (x - 1)^5}$$

Sequence: A211155
Score: 5.69321
Type of gen. func.: ogf

$$-\frac{8 (5 x^6 + 16 x^5 + 91 x^4 + 64 x^3 + 91 x^2 + 16 x + 5)}{(x + 1)^4 (x - 1)^5}$$

Sequence: A211158
Score: 5.34792
Type of gen. func.: ogf

$$-\frac{4 (5 x^6 + 16 x^5 + 91 x^4 + 64 x^3 + 91 x^2 + 16 x + 5)}{(x + 1)^4 (x - 1)^5}$$

Sequence: A211164
Score: 11.4562
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x + 1) (x - 1)^2}{(2 x^2 - 1)^2}$$

Sequence: A211164
Score: 7.60278

Type of gen. func.: ogf

$$(8 f(x) + 23) (4 f(x) x^4 - 2 x^4 - 4 f(x) x^2 + x^3 + 3 x^2 + f(x) - x - 1)$$

Sequence: A211164
Score: 9.50348
Type of gen. func.: lgdogf

$$- \frac{2 x^3 + 6 x^2 + 3 x + 1}{-4 x^5 - 2 x^4 + 6 x^3 + 3 x^2 - 2 x - 1}$$

Sequence: A211216
Score: 4.64426
Type of gen. func.: ogf

$$f(x) (f(x) x^5 - 15 f(x) x^4 + 35 f(x) x^3 + 5 x^4 - 28 f(x) x^2 - 20 x^3 + 9 f(x) x + 21 x^2 - f(x) - 8 x + 1)$$

Sequence: A211216
Score: 7.58246
Type of gen. func.: ogf

$$- \frac{(x^2 - 3 x + 1) (5 x^2 - 5 x + 1)}{x^5 - 15 x^4 + 35 x^3 - 28 x^2 + 9 x - 1}$$

Sequence: A211221
Score: 11.1838
Type of gen. func.: lgdogf

$$- \frac{-9 x^2 - 8 x - 3}{-3 x^4 - 9 x^3 - 2 x^2 + 3 x + 1}$$

Sequence: A211221

Score: 16.4334
Type of gen. func.: ogf

$$-\frac{x^2 + 3 x + 1}{3 x^2 - 1}$$

Sequence: A211221
Score: 9.58613
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 4\}$$

Sequence: A211221
Score: 9.81994
Type of gen. func.: ogf

$$-(129 f(x) + 23) (3 f(x) x^2 + x^2 - f(x) + 3 x + 1)$$

Sequence: A211227
Score: 10.7652
Type of gen. func.: ogf

$$-\frac{4 x^3 + x^2 - 2 x - 1}{(2 x^2 - 1)^2}$$

Sequence: A211227
Score: 6.60132
Type of gen. func.: ogf

$$-(4 f(x) + 31) (4 f(x) x^4 - 4 f(x) x^2 + 4 x^3 + x^2 + f(x) - 2 x - 1)$$

Sequence: A211227
Score: 7.95159
Type of gen. func.: lgdogf

$$-8 x^4 - 4 x^3 + 6 x + 2$$

$$-\frac{}{-8 x^{5} - 2 x^{4} + 8 x^{3} + 3 x^{2} - 2 x - 1}$$

Sequence: A211228
Score: 6.67608
Type of gen. func.: ogf

$$-\frac{(x^{2} + 1) (x^{4} + x^{3} + x^{2} - x - 1)}{(x^{4} + x^{2} - 1)^{2}}$$

Sequence: A211231
Score: 5.14448
Type of gen. func.: ogf

$$-(151632 f(x) + 1038565) (9 f(x) x^{4} - 6 f(x) x^{2} + 8 x^{3} + f(x) - 3 x - 1)$$

Sequence: A211231
Score: 9.74744
Type of gen. func.: ogf

$$-\frac{8 x^{3} - 3 x - 1}{(3 x^{2} - 1)^{2}}$$

Sequence: A211253
Score: 13.0979
Type of gen. func.: ogf

$$-\frac{17 x^{2} + 13 x - 21}{(x - 1) (x^{2} + x - 1)}$$

Sequence: A211253
Score: 7.19101
Type of gen. func.: ogf

$$^{3} \qquad\qquad ^{2}$$

$$(1037 f(x) - 7169) (f(x) x - 2 f(x) x + 17 x + f(x) + 13 x - 21)$$

Sequence: A211253
Score: 7.56168
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 21, a(1) = 29, a(2) = 41\}$$

Sequence: A211279
Score: 10.5088
Type of gen. func.: ogf

$$12 f(x)^2 x^3 - 13 f(x)^2 x^2 + 6 f(x)^2 x - f(x)^2 + 1$$

Sequence: A211279
Score: 12.8270
Type of gen. func.: lgdogf

$$- \frac{-18 x^2 + 13 x - 3}{-12 x^3 + 13 x^2 - 6 x + 1}$$

Sequence: A211279
Score: 21.4624
Type of gen. func.: lgdogf

$$- \frac{-18 x^2 + 13 x - 3}{-12 x^3 + 13 x^2 - 6 x + 1}$$

Sequence: A211279
Score: 4.31799
Type of gen. func.: ogf

$$\{(-4 - n) a(n + 4) + (21 + 6 n) a(n + 3) + (-39 - 13 n) a(n + 2)$$

$$+ (30 + 12 n) a(n + 1), a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 15\}$$

Sequence: A211281
Score: 10.2221
Type of gen. func.: lgdogf

$$-\frac{-24x^3+24x^2-13x+3}{-12x^4+16x^3-13x^2+6x-1}$$

Sequence: A211281
Score: 16.0253
Type of gen. func.: lgdogf

$$-\frac{-24x^3+24x^2-13x+3}{-12x^4+16x^3-13x^2+6x-1}$$

Sequence: A211281
Score: 8.61863
Type of gen. func.: ogf

$$-12f(x)^2x^4+16f(x)^2x^3-13f(x)^2x^2+6f(x)^2x-f(x)^2+1$$

Sequence: A211288
Score: 13.7888
Type of gen. func.: lgdogf

$$-\frac{-12x^2-3x+3}{-6x^3-x^2+4x-1}$$

Sequence: A211288
Score: 25.2153
Type of gen. func.: lgdogf

$$-\frac{-12x^2-3x+3}{-6x^3-x^2+4x-1}$$

Sequence: A211288
Score: 4.50387
Type of gen. func.: ogf

$$\{(-4 - n) a(n + 4) + (15 + 4 n) a(n + 3) + (-n - 5) a(n + 2) + (-18 - 6 n) a(n + 1), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 25\}$$

Sequence: A211288
Score: 8.96271
Type of gen. func.: ogf

$$-12 f(x)^2 x^4 + 4 f(x)^2 x^3 + 9 f(x)^2 x^2 - 6 f(x)^2 x + f(x)^2 - 1$$

Sequence: A211290
Score: 13.8969
Type of gen. func.: lgdogf

$$-\frac{-30 x^4 + 32 x^3 - 6 x^2 - 9 x + 3}{-12 x^5 + 16 x^4 - 4 x^3 - 9 x^2 + 6 x - 1}$$

Sequence: A211290
Score: 9.03139
Type of gen. func.: lgdogf

$$-\frac{-30 x^4 + 32 x^3 - 6 x^2 - 9 x + 3}{-12 x^5 + 16 x^4 - 4 x^3 - 9 x^2 + 6 x - 1}$$

Sequence: A211293
Score: 11.7671
Type of gen. func.: lgdogf

$$-\frac{36 x^5 - 10 x^4 - 24 x^3 + 6 x^2 + 9 x - 3}{12 x^6 - 4 x^5 - 12 x^4 + 4 x^3 + 9 x^2 - 6 x + 1}$$

Sequence: A211293
Score: 7.66044
Type of gen. func.: lgdogf

$$-\frac{36 x^5 - 10 x^4 - 24 x^3 + 6 x^2 + 9 x - 3}{12 x^6 - 4 x^5 - 12 x^4 + 4 x^3 + 9 x^2 - 6 x + 1}$$

Sequence: A211295
Score: 11.5953
Type of gen. func.: lgdogf

$$-\frac{-36 x^5 - 20 x^4 + 32 x^3 - 6 x^2 - 9 x + 3}{-12 x^6 - 8 x^5 + 16 x^4 - 4 x^3 - 9 x^2 + 6 x - 1}$$

Sequence: A211295
Score: 7.74849
Type of gen. func.: lgdogf

$$-\frac{-36 x^5 - 20 x^4 + 32 x^3 - 6 x^2 - 9 x + 3}{-12 x^6 - 8 x^5 + 16 x^4 - 4 x^3 - 9 x^2 + 6 x - 1}$$

Sequence: A211305
Score: 5.79804
Type of gen. func.: ogf

$$12 f(x)^2 x^4 - 43 f(x)^2 x^3 + 34 f(x)^2 x^2 - 10 f(x)^2 x - 12 f(x) x^2 + f(x)^2 + 7 f(x) x - f(x) - x$$

Sequence: A211307
Score: 5.41739
Type of gen. func.: ogf

$$16 f(x)^2 x^4 + 4 f(x)^2 x^3 - 6 f(x)^2 x^2 + 16 f(x) x^3 + f(x)^2 x + 4 f(x) x^2 - 6 f(x) x + 4 x^2 + f(x) + x - 1$$

Sequence: A211308
Score: 10.1903
Type of gen. func.: lgdogf

$$-\frac{32 x^3 - 30 x^2 + 20 x - 4}{16 x^4 - 20 x^3 + 20 x^2 - 8 x + 1}$$

Sequence: A211308
Score: 16.5969
Type of gen. func.: lgdogf

$$-\frac{32 x^3 - 30 x^2 + 20 x - 4}{16 x^4 - 20 x^3 + 20 x^2 - 8 x + 1}$$

Sequence: A211308
Score: 8.59186
Type of gen. func.: ogf

$$16 f(x)^2 x^4 - 20 f(x)^2 x^3 + 20 f(x)^2 x^2 - 8 f(x)^2 x + f(x)^2 - 1$$

Sequence: A211322
Score: 13.7605
Type of gen. func.: ogf

$$-\frac{9 x^2 + 7 x - 11}{(x - 1) (x^2 + x - 1)}$$

Sequence: A211322
Score: 7.21425
Type of gen. func.: lgdogf

$$-\frac{-9 x^4 - 14 x^3 + 15 x^2 + 18 x - 15}{-9 x^5 - 7 x^4 + 29 x^3 + 5 x^2 - 29 x + 11}$$

Sequence: A211322
Score: 7.58232
Type of gen. func.: ogf

$$(107 f(x) - 385) (f(x) x^3 - 2 f(x) x + 9 x^2 + f(x) + 7 x - 11)$$

Sequence: A211322
Score: 7.66049
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 11, a(1) = 15, a(2) = 21\}$$

Sequence: A211323
Score: 4.77565
Type of gen. func.: ogf

$$-(f(x) + 534) (2 f(x) x^4 - f(x) x^3 - 4 f(x) x^2 + 18 x^3 + 4 f(x) x + 2 x^2 - f(x) - 32 x + 14)$$

Sequence: A211323
Score: 8.71558
Type of gen. func.: ogf

$$- \frac{2 (9 x^3 + x^2 - 16 x + 7)}{(x^2 + x - 1) (x - 1) (2 x - 1)}$$

Sequence: A211324
Score: 5.35562
Type of gen. func.: ogf

$$- \frac{36 x^6 + 36 x^5 - 82 x^4 - 49 x^3 + 62 x^2 + 16 x - 15}{(x - 1) (2 x - 1) (x + 1) (2 x^2 - 1) (x^2 + x - 1)}$$

Sequence: A211327
Score: 4.62442
Type of gen. func.: ogf

$$(21305 f(x) - 162626) (4 f(x) x^4 + 2 f(x) x^3 - 4 f(x) x^2 + 28 x^3 - f(x) x + 24 x^2 + f(x) - 18 x - 15)$$

Sequence: A211327
Score: 8.56375
Type of gen. func.: ogf

$$-\frac{28 x^3 + 24 x^2 - 18 x - 15}{(x + 1) (2 x - 1) (2 x^2 - 1)}$$

Sequence: A211328
Score: 4.04763
Type of gen. func.: ogf

$$-\frac{2 (42 x^7 + 249 x^6 + 302 x^5 - 321 x^4 - 299 x^3 + 352 x^2 - 113 x + 12)}{(3 x - 1) (2 x - 1) (2 x^2 + 3 x - 1) (x^2 + 2 x - 1) (x^2 + 3 x - 1)}$$

Sequence: A211329
Score: 13.2691
Type of gen. func.: ogf

$$-\frac{13 x^2 + 11 x - 15}{(x - 1) (x^2 + x - 1)}$$

Sequence: A211329
Score: 7.28498
Type of gen. func.: ogf

$$(1049 f(x) - 5215) (f(x) x^3 - 2 f(x) x + 13 x^2 + f(x) + 11 x - 15)$$

Sequence: A211329
Score: 7.66049
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 15, a(1) = 19, a(2) = 25\}$$

Sequence: A211374
Score: 11.9846
Type of gen. func.: egf]

$$-\frac{x^2 - x - 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A211374
Score: 7.34538
Type of gen. func.: egf]

$$(2 f(x) + 7) (f(x) x^4 - 2 f(x) x^2 + x^2 + f(x) - x - 1)$$

Sequence: A211374
Score: 8.53900
Type of gen. func.: lgdegf]

$$-\frac{-2 x^3 + 3 x^2 + 2 x + 1}{-x^4 + x^3 + 2 x^2 - x - 1}$$

Sequence: A211379
Score: 10.0364
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 + 3 x^2 + 18 x + 7}{-x^4 + x^3 + 4 x^2 - x - 3}$$

Sequence: A211379

Score: 4.04454
Type of gen. func.: ogf

$$\{(-n^3 - 13 n^2 - 52 n - 60) a(n + 1) + (-2 n^2 - 20 n - 48) a(n + 2) + (n^3 + 9 n^2 + 20 n) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 3\}$$

Sequence: A211379
Score: 8.74142
Type of gen. func.: ogf

$$-\frac{x^3 (x^2 - x - 3)}{(x + 1)^2 (x - 1)^4}$$

Sequence: A211380
Score: 6.84402
Type of gen. func.: ogf

$$\frac{x (2 x^5 - 3 x^4 - 7 x^3 - x^2 - 2 x - 1)}{(x + 1)^2 (x - 1)^5}$$

Sequence: A211381
Score: 7.95643
Type of gen. func.: ogf

$$\frac{x^4 (2 x^2 - 3 x - 7)}{(x + 1)^2 (x - 1)^5}$$

Sequence: A211381
Score: 9.56665
Type of gen. func.: lgdogf

$$-\frac{-10 x^3 + 12 x^2 + 54 x + 24}{-2 x^4 + 3 x^3 + 9 x^2 - 3 x - 7}$$

Sequence: A211386
Score: 10.6001
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (2 x - 1)^5}$$

Sequence: A211386
Score: 15.6882
Type of gen. func.: lgdogf

$$- \frac{12 x - 11}{2 x^2 - 3 x + 1}$$

Sequence: A211386
Score: 5.09357
Type of gen. func.: ogf

$$\{(-3 - n) a(n + 3) + (17 + 3 n) a(n + 2) + (-14 - 2 n) a(n + 1), a(0) = 1, a(1) = 11, a(2) = 71\}$$

Sequence: A211387
Score: 3.59691
Type of gen. func.: ogf

$$- (44 x^9 - 289 x^8 + 804 x^7 - 1311 x^6 + 1338 x^5 - 879 x^4 + 373 x^3 - 99 x^2 + 15 x - 1) / ((x^2 - 3 x + 1) (x - 1)^2 (2 x - 1)^6)$$

Sequence: A211388
Score: 13.2207
Type of gen. func.: lgdogf

$$- \frac{14 x - 13}{2 x^2 - 3 x + 1}$$

Sequence: A211388
Score: 4.29243
Type of gen. func.: ogf

$\{(-3 - n)\, a(n + 3) + (19 + 3 n)\, a(n + 2) + (-16 - 2 n)\, a(n + 1),\ a(0) = 1,$

$a(1) = 13,\ a(2) = 97\}$

Sequence: A211388
Score: 8.26292
Type of gen. func.: ogf

$$-\frac{1}{(x - 1)\,(2 x - 1)^{6}}$$

Sequence: A211390
Score: 8.04198
Type of gen. func.: ogf

$$-\frac{x^{12} - x^{11} + x^{8} - x^{7} + 2 x^{4} - 2 x^{3} - 2 x - 2}{(x + 1)\,(x^{2} + 1)\,(x - 1)^{2}}$$

Sequence: A211407
Score: 13.8717
Type of gen. func.: ogf

$$-\frac{1067 x^{11} + x^{2} + 131 x + 1}{x - 1}$$

Sequence: A211412
Score: 10.2242
Type of gen. func.: ogf

$$-\frac{x^{4} + 50 x^{2} + 40 x + 5}{(x - 1)^{5}}$$

Sequence: A211412
Score: 8.74954
Type of gen. func.: lgdogf

$$-\frac{x^4 + 4x^3 + 150x^2 + 260x + 65}{x^5 - x^4 + 50x^3 - 10x^2 - 35x - 5}$$

Sequence: A211419
Score: 3.92576
Type of gen. func.: ogf

$$\{(432n^3 + 1944n^2 + 2868n + 1386)\,a(n+1)$$

$$+ (-16n^3 - 80n^2 - 131n - 70)\,a(n+2),\ a(0) = 1,\ a(1) = 10\}$$

Sequence: A211420
Score: 3.12732
Type of gen. func.: ogf

$$\{(32768n^4 + 196608n^3 + 437248n^2 + 427008n + 154440)\,a(n+1)$$

$$+ (-54n^4 - 351n^3 - 849n^2 - 906n - 360)\,a(n+2),\ a(0) = 1,\ a(1) = 140\}$$

Sequence: A211421
Score: 3.49630
Type of gen. func.: ogf

$$\{(8192n^4 + 49152n^3 + 109312n^2 + 106752n + 38610)\,a(n+1)$$

$$+ (-216n^4 - 1404n^3 - 3378n^2 - 3561n - 1386)\,a(n+2),\ a(0) = 1,$$

$$a(1) = 14\}$$

Sequence: A211433
Score: 6.78317
Type of gen. func.: ogf

6   4   3   2

```
                          x  + 5 x  + 4 x  + 5 x  + 1
                        - ---------------------------
                            2             2        3
                          (x  + 1) (x + 1)  (x - 1)
```

Sequence: A211434
Score: 7.62950
Type of gen. func.: ogf

```
                           6    5      4      2
                          x  - x  + 4 x  + 4 x  - x + 1
                        - ---------------------------------
                            4    3    2                  3
                          (x  + x  + x  + x + 1) (x - 1)
```

Sequence: A211435
Score: 8.32766
Type of gen. func.: ogf

```
                              6    5      3
                             x  + x  + 4 x  + x + 1
                        - ---------------------------------
                            4    3    2                  3
                          (x  + x  + x  + x + 1) (x - 1)
```

Sequence: A211436
Score: 5.24999
Type of gen. func.: ogf

```
                 8    7      6      5       4      3      2
                x  + x  + 6 x  + 9 x  + 12 x  + 9 x  + 6 x  + x + 1
              - ----------------------------------------------------
                      2        2                   2        3
                    (x  + 1) (x  + x + 1) (x + 1)  (x - 1)
```

Sequence: A211438
Score: 8.19246
Type of gen. func.: ogf

```
                              4      3      2
                             x  + 2 x  + 8 x  + 2 x + 1
                           - ---------------------------
                                          2        3
                                   (x + 1)  (x - 1)
```

Sequence: A211439
Score: 7.10893

Type of gen. func.: ogf

$$-\frac{x^6+2x^5+2x^4+12x^3+2x^2+2x+1}{(x^2+x+1)^2(x-1)^3}$$

Sequence: A211440
Score: 7.07374
Type of gen. func.: ogf

$$-\frac{(x^2+3x+1)(x^4-x^3+4x^2-x+1)}{(x^2+x+1)^2(x-1)^3}$$

Sequence: A211441
Score: 11.7714
Type of gen. func.: ogf

$$\frac{3x(x^2-2x-1)}{(x-1)^3}$$

Sequence: A211441
Score: 11.9553
Type of gen. func.: lgdogf

$$-\frac{-x^2+2x+5}{-x^3+3x^2-x-1}$$

Sequence: A211441
Score: 5.75292
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 0, a(1) = 3, a(2) = 15,

a(3) = 33}

Sequence: A211441
Score: 6.27163
Type of gen. func.: ogf

$$-(11 f(x) - 105) (f(x) x^3 - 3 f(x) x^2 - 3 x^3 + 3 f(x) x + 6 x^2 - f(x) + 3 x)$$

Sequence: A211459
Score: 4.32634
Type of gen. func.: ogf

$$-\frac{2 (46 x^7 - 25 x^6 - 132 x^5 + 74 x^4 + 93 x^3 - 52 x^2 - 18 x + 10)}{(x - 1) (2 x - 1) (3 x^2 - 1) (x^2 + x - 1) (2 x^2 - 1)}$$

Sequence: A211460
Score: 3.86841
Type of gen. func.: ogf

$$-\frac{104 x^8 + 60 x^7 - 312 x^6 - 83 x^5 + 332 x^4 + 51 x^3 - 143 x^2 - 10 x + 21}{(x - 1) (2 x - 1) (x + 1) (3 x^2 - 1) (x^2 + x - 1) (2 x^2 - 1)}$$

Sequence: A211461
Score: 3.48575
Type of gen. func.: ogf

$$- 2 (46 x^9 - 71 x^8 - 175 x^7 + 222 x^6 + 242 x^5 - 210 x^4 - 123 x^3 + 84 x^2 + 20 x - 12) / ((2 x - 1) (3 x^2 - 1) (2 x^2 - 1) (x^3 - 2 x^2 - x + 1) (x^2 + x - 1))$$

Sequence: A211463
Score: 4.03959
Type of gen. func.: ogf

$$-\frac{4 (30 x^7 - 150 x^6 + 92 x^5 + 264 x^4 + 11 x^3 - 69 x^2 - 5 x + 5)}{(6 x^2 + 2 x - 1) (2 x^3 - 6 x^2 - x + 1) (2 x^3 - 5 x^2 - 2 x + 1)}$$

Sequence: A211465
Score: 5.97306
Type of gen. func.: ogf

$$-\frac{4\,(10x^4+60x^3+61x^2-43x+6)}{(4x-1)(2x^2+4x-1)(x^2+4x-1)}$$

Sequence: A211466
Score: 13.0979
Type of gen. func.: ogf

$$-\frac{21x^2+17x-25}{(x-1)(x^2+x-1)}$$

Sequence: A211466
Score: 7.26221
Type of gen. func.: ogf

$$(727\,f(x)-5935)\,(f(x)\,x^3-2\,f(x)\,x+21x^2+f(x)+17x-25)$$

Sequence: A211466
Score: 7.56168
Type of gen. func.: ogf

$$\{-a(n+3)+2\,a(n+2)-a(n),\ a(0)=25,\ a(1)=33,\ a(2)=45\}$$

Sequence: A211476
Score: 4.86884
Type of gen. func.: ogf

$$(7321\,f(x)-24010)\,(4\,f(x)\,x^4+2\,f(x)\,x^3-4\,f(x)\,x^2+12x^3-f(x)\,x+8x^2+f(x)-10x-7)$$

Sequence: A211476
Score: 8.99811
Type of gen. func.: ogf

$$-\frac{12 x^3 + 8 x^2 - 10 x - 7}{(x + 1) (2 x - 1) (2 x^2 - 1)}$$

Sequence: A211477
Score: 6.09258
Type of gen. func.: ogf

$$-\frac{2 (6 x^5 - 12 x^4 - 7 x^3 + 15 x^2 + 3 x - 4)}{(2 x - 1) (2 x^2 - 1) (x^3 - 2 x^2 - x + 1)}$$

Sequence: A211478
Score: 3.98248
Type of gen. func.: ogf

$$-\frac{6 x^8 - x^7 - 51 x^6 + 13 x^5 + 99 x^4 - 68 x^3 - 33 x^2 + 40 x - 9}{(x - 1) (2 x - 1) (x^2 + x - 1) (x^2 + 2 x - 1) (x^3 - 2 x^2 - x + 1)}$$

Sequence: A211479
Score: 11.0039
Type of gen. func.: ogf

$$-\frac{2 (3 x^2 + 5 x - 4)}{(2 x - 1) (x^2 + 2 x - 1)}$$

Sequence: A211479
Score: 5.68532
Type of gen. func.: ogf

$$-(521 f(x) - 488) (2 f(x) x^3 + 3 f(x) x^2 - 4 f(x) x + 6 x^2 + f(x) + 10 x - 8)$$

Sequence: A211479
Score: 5.98455
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 3 a(n + 1) + 2 a(n), a(0) = 8, a(1) = 22, a(2) = 58\}$$

Sequence: A211479
Score: 6.68862
Type of gen. func.: lgdogf

$$- \frac{-6 x^4 - 20 x^3 - 3 x^2 + 30 x - 11}{-6 x^5 - 19 x^4 + 5 x^3 + 29 x^2 - 21 x + 4}$$

Sequence: A211480
Score: 9.41148
Type of gen. func.: ogf

$$- \frac{x (3 x^2 + 2 x + 3)}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A211481
Score: 8.19710
Type of gen. func.: ogf

$$- \frac{3 x^4 + 5 x^3 + 4 x^2 + 2 x + 1}{(x + 1) (x^2 + x + 1) (x - 1)^3}$$

Sequence: A211482
Score: 8.58226
Type of gen. func.: ogf

$$- \frac{6 x^7 - 6 x^6 + 3 x^5 - 2 x^4 - x^3 - 3 x^2 - 8 x - 1}{(x - 1)^2}$$

Sequence: A211490
Score: 13.5103
Type of gen. func.: ogf

$$-\frac{11 x^2 + 9 x - 13}{(x - 1) (x^2 + x - 1)}$$

Sequence: A211490
Score: 7.43068
Type of gen. func.: ogf

$$(633 f(x) - 2693) (f(x) x^3 - 2 f(x) x + 11 x^2 + f(x) + 9 x - 13)$$

Sequence: A211490
Score: 7.66049
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 13, a(1) = 17, a(2) = 23\}$$

Sequence: A211491
Score: 4.32031
Type of gen. func.: ogf

$$-\frac{2 (82 x^7 - 19 x^6 - 222 x^5 + 93 x^4 + 149 x^3 - 71 x^2 - 28 x + 14)}{(x - 1) (2 x - 1) (3 x^2 - 1) (x^2 + x - 1) (2 x^2 - 1)}$$

Sequence: A211492
Score: 3.80285
Type of gen. func.: ogf

$$-\frac{176 x^8 + 144 x^7 - 480 x^6 - 225 x^5 + 482 x^4 + 125 x^3 - 201 x^2 - 22 x + 29}{(x - 1) (2 x - 1) (x + 1) (3 x^2 - 1) (x^2 + x - 1) (2 x^2 - 1)}$$

Sequence: A211495
Score: 3.46554
Type of gen. func.: ogf

$$-4\,(108\,x^8 - 578\,x^7 + 526\,x^6 + 828\,x^5 - 314\,x^4 - 263\,x^3 + 77\,x^2 + 25\,x - 7) \Big/ \left((2\,x - 1)\,(6\,x^2 + 2\,x - 1)\,(2\,x^3 - 6\,x^2 - x + 1)\,(2\,x^3 - 5\,x^2 - 2\,x + 1)\right)$$

Sequence: A211498
Score: 3.58951
Type of gen. func.: ogf

$$-2\,(60\,x^9 - 36\,x^8 - 284\,x^7 + 167\,x^6 + 426\,x^5 - 244\,x^4 - 218\,x^3 + 123\,x^2 + 34\,x - 19) \Big/ \left((x - 1)\,(2\,x - 1)\,(2\,x^2 - 1)\,(x^2 + x - 1)\,(2\,x^4 - 4\,x^2 + 1)\right)$$

Sequence: A211504
Score: 3.91326
Type of gen. func.: ogf

$$-\frac{6\,(42\,x^6 + 460\,x^5 + 1427\,x^4 + 967\,x^3 - 737\,x^2 + 137\,x - 8)}{(6\,x - 1)\,(2\,x^2 + 6\,x - 1)\,(3\,x^2 + 6\,x - 1)\,(x^2 + 6\,x - 1)}$$

Sequence: A211519
Score: 9.93914
Type of gen. func.: ogf

$$-\frac{x\,(x^3 + x + 1)}{(x + 1)\,(x^2 + x + 1)\,(x - 1)^3}$$

Sequence: A211520
Score: 7.84592
Type of gen. func.: ogf

$$-\frac{x^3 (x^3 + x + 1)}{(x^2 + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A211521
Score: 7.31210
Type of gen. func.: ogf

$$-\frac{x^2 (x^4 + x^2 + x + 1)}{(x^2 + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A211522
Score: 7.87966
Type of gen. func.: ogf

$$-\frac{x^3 (x^4 + x + 1)}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A211523
Score: 8.65126
Type of gen. func.: ogf

$$-\frac{x^2 (x^4 - x^3 + x^2 + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A211524
Score: 11.0783
Type of gen. func.: ogf

$$-\frac{x^8}{(x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A211525

Score: 11.6313
Type of gen. func.: ogf

$$-\frac{2\,(10\,x^2+x-4)}{(2\,x-1)\,(2\,x^2-1)}$$

Sequence: A211525
Score: 6.27076
Type of gen. func.: ogf

$$(17\,f(x)-226)\,(4\,f(x)\,x^3-2\,f(x)\,x^2-2\,f(x)\,x+20\,x^2+f(x)+2\,x-8)$$

Sequence: A211525
Score: 6.32577
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + 4 a(n), a(0) = 8, a(1) = 14, a(2) = 24}

Sequence: A211525
Score: 7.06998
Type of gen. func.: lgdogf

$$-\frac{40\,x^4+8\,x^3-30\,x^2-4\,x+7}{40\,x^5-16\,x^4-38\,x^3+16\,x^2+9\,x-4}$$

Sequence: A211526
Score: 10.2052
Type of gen. func.: ogf

$$-\frac{2\,(6\,x^3-11\,x^2-3\,x+4)}{(x-1)\,(2\,x-1)\,(2\,x^2-1)}$$

Sequence: A211526
Score: 5.66071
Type of gen. func.: ogf

$$-(11 f(x) - 546)$$

$$(4 f(x) x^4 - 6 f(x) x^3 + 12 x^3 + 3 f(x) x - 22 x^2 - f(x) - 6 x + 8)$$

Sequence: A211527
Score: 4.18148
Type of gen. func.: ogf

$$-\frac{2 (6 x^8 - 10 x^7 - 23 x^6 + 42 x^5 + 9 x^4 - 40 x^3 + 8 x^2 + 11 x - 4)}{(x - 1) (2 x - 1) (2 x^2 - 1) (x^2 + x - 1) (x^3 - 2 x^2 - x + 1)}$$

Sequence: A211528
Score: 6.30063
Type of gen. func.: ogf

$$-\frac{2 (6 x^5 - 5 x^4 - 18 x^3 + 11 x^2 + 7 x - 4)}{(x^2 + x - 1) (x - 1) (2 x - 1) (2 x^2 - 1)}$$

Sequence: A211529
Score: 6.35589
Type of gen. func.: ogf

$$-\frac{2 (2 x^5 - 11 x^4 - 14 x^3 + 15 x^2 + 5 x - 4)}{(x^2 + x - 1) (x - 1) (2 x - 1) (2 x^2 - 1)}$$

Sequence: A211530
Score: 4.83753
Type of gen. func.: ogf

$$-\frac{2 (2 x^7 - 3 x^6 - 9 x^5 + 19 x^4 + 14 x^3 - 16 x^2 - 5 x + 4)}{(2 x - 1) (2 x^2 - 1) (x^2 + x - 1) (x^3 - 2 x^2 - x + 1)}$$

Sequence: A211531

Score: 4.10018
Type of gen. func.: ogf

$$-\frac{2x^8+x^7-23x^6-27x^5+45x^4+48x^3-31x^2-18x+9}{(x+1)(2x-1)(x^2+x-1)(x^2+2x-1)(x^3-2x^2-x+1)}$$

Sequence: A211532
Score: 5.20636
Type of gen. func.: ogf

$$-\frac{2(6x^6+x^5-23x^4-3x^3+18x^2+x-4)}{(x-1)(2x-1)(x+1)(2x^2-1)(x^2+x-1)}$$

Sequence: A211533
Score: 7.45035
Type of gen. func.: ogf

$$-\frac{x^2(x^6+x^4+2x^2+1)}{(x^2+x+1)(x^4+x^3+x^2+x+1)(x-1)^3}$$

Sequence: A211534
Score: 14.0818
Type of gen. func.: ogf

$$-\frac{x^6}{(x^2+x+1)^2(x-1)^3}$$

Sequence: A211534
Score: 15.4358
Type of gen. func.: lgdogf

$$-\frac{7x^2+x+1}{x^3-1}$$

Sequence: A211535
Score: 13.6700
Type of gen. func.: ogf

$$-\frac{x^9}{(x+1)\,(x^2+1)\,(x^4+x^3+x^2+x+1)\,(x-1)^3}$$

Sequence: A211536
Score: 7.76900
Type of gen. func.: ogf

$$-\frac{x^3\,(x^6+2\,x^3+x^2+x+2)}{(x+1)\,(x^2+1)\,(x^4+x^3+x^2+x+1)\,(x-1)^3}$$

Sequence: A211538
Score: 11.1794
Type of gen. func.: ogf

$$-\frac{x^3\,(2\,x+1)}{(x+1)^2\,(x-1)^3}$$

Sequence: A211538
Score: 13.4502
Type of gen. func.: lgdogf

$$-\frac{8\,x^2+7\,x+3}{2\,x^3+x^2-2\,x-1}$$

Sequence: A211538
Score: 5.03399
Type of gen. func.: ogf

$\{(3\,n^2+5\,n-2)\,a(n+1)+(-6+3\,n)\,a(n+2)+(-3\,n^2+4\,n)\,a(n+3),$

$a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$

Sequence: A211538
Score: 6.88651
Type of gen. func.: ogf

$$f(x) x^{5} - f(x) x^{4} - 2 f(x) x^{3} + 2 x^{4} + 2 f(x) x^{2} + x^{3} + f(x) x - f(x)$$

Sequence: A211539
Score: 10.2056
Type of gen. func.: ogf

$$- \frac{x^{2} (x + 2)}{(x + 1)^{2} (x - 1)^{3}}$$

Sequence: A211539
Score: 12.0897
Type of gen. func.: lgdogf

$$- \frac{-4 x^{2} - 11 x - 3}{-x^{3} - 2 x^{2} + x + 2}$$

Sequence: A211539
Score: 4.64988
Type of gen. func.: ogf

$$\{(-3 n^{2} - 22 n - 39) a(n + 1) + (-15 - 3 n) a(n + 2)$$

$$+ (3 n^{2} + 13 n + 10) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A211540
Score: 11.2350
Type of gen. func.: lgdogf

$$- \frac{6 x^{3} + 7 x^{2} + 4 x + 1}{}$$

$$x^4 + x^3 - x - 1$$

Sequence: A211540
Score: 14.1915
Type of gen. func.: ogf

$$-\frac{x^5}{(x + 1)(x^2 + x + 1)(x - 1)^3}$$

Sequence: A211540
Score: 27.7838
Type of gen. func.: ogf_with_Euler_transform]

$$[x^2 + x + 1]$$

Sequence: A211541
Score: 5.89801
Type of gen. func.: ogf

$$-\frac{x^2 (x^6 + x^5 + x^4 + x^3 + 2 x^2 + x + 1)}{(x^2 + 1)(x^2 + x + 1)(x + 1)^2 (x - 1)^3}$$

Sequence: A211542
Score: 5.90226
Type of gen. func.: ogf

$$-\frac{x^2 (x^6 + x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 1)}{(x^2 + 1)(x^2 + x + 1)(x + 1)^2 (x - 1)^3}$$

Sequence: A211543
Score: 17.9759
Type of gen. func.: ogf_with_Euler_transform]

$$-x^7 + x^4 + x^3 + x^2 + 1$$

Sequence: A211543
Score: 8.73175
Type of gen. func.: ogf

$$-\frac{x^4 (x^4 + 1)}{(x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A211544
Score: 7.44431
Type of gen. func.: ogf

$$-\frac{x^3 (x + 1) (x^4 - x^3 + x^2 + 1)}{(x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A211545
Score: 10.7926
Type of gen. func.: ogf

$$\frac{x (7 x^2 + 13 x + 4)}{(x - 1)^4}$$

Sequence: A211545
Score: 11.9202
Type of gen. func.: lgdogf

$$-\frac{14 x^2 + 53 x + 29}{7 x^3 + 6 x^2 - 9 x - 4}$$

Sequence: A211545
Score: 3.97341
Type of gen. func.: ogf

$\{(-12 - 4 n) a(n + 4) + (11 - 9 n) a(n + 3) + (59 + 6 n) a(n + 2)$

$+ (14 + 7 n) a(n + 1), a(0) = 0, a(1) = 4, a(2) = 29, a(3) = 99\}$

Sequence: A211545
Score: 5.39633
Type of gen. func.: ogf

$$(11782144 f(x) + 63333495)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 7 x^3 - 4 f(x) x - 13 x^2 + f(x) - 4 x)$$

Sequence: A211546
Score: 8.48354
Type of gen. func.: ogf

$$-\frac{x^3 (x^3 + x^2 + x + 2)}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A211547
Score: 10.5283
Type of gen. func.: lgdogf

$$-\frac{4 x^5 + x^4 + x^3 + 10 x^2 + x + 1}{x^6 - 1}$$

Sequence: A211547
Score: 10.5283
Type of gen. func.: ogf

$$-\frac{x^3 (x + 1) (x^2 - x + 1)}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A211547
Score: 27.8398
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + 3 x^2 + 1$$

Sequence: A211549
Score: 13.4757
Type of gen. func.: ogf

$$-\frac{25 x^2 + 19 x - 31}{(x - 1) (x^2 + x - 1)}$$

Sequence: A211549
Score: 7.32661
Type of gen. func.: ogf

$$(2161 f(x) - 22127) (f(x) x^3 - 2 f(x) x + 25 x^2 + f(x) + 19 x - 31)$$

Sequence: A211549
Score: 7.77980
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 31, a(1) = 43, a(2) = 61\}$$

Sequence: A211562
Score: 7.41509
Type of gen. func.: lgdogf

$$-\frac{-2 x^4 + 10 x^3 - 21 x^2 + 12 x - 14}{-2 x^5 + 11 x^4 - 25 x^3 + 27 x^2 - 16 x + 5}$$

Sequence: A211562
Score: 7.95020
Type of gen. func.: ogf

$$-\frac{2 x^4 - 9 x^3 + 16 x^2 - 11 x + 5}{(x - 1)^5}$$

Sequence: A211563
Score: 5.11421
Type of gen. func.: ogf

$$-\frac{5x^6-33x^5+92x^4-139x^3+129x^2-54x+15}{(x-1)^7}$$

Sequence: A211564
Score: 3.86903
Type of gen. func.: ogf

$$-(15x^8-130x^7+497x^6-1097x^5+1534x^4-1367x^3+867x^2-266x+52)\,/\,(x-1)^9$$

Sequence: A211565
Score: 4.59125
Type of gen. func.: ogf

$$-(52x^{10}-557x^9+2700x^8-7808x^7+14939x^6-19799x^5+18612x^4-11581x^3+5541x^2-1357x+203)\,/\,(x-1)^{11}$$

Sequence: A211567
Score: 5.85452
Type of gen. func.: ogf

$$-\frac{2(94x^5-77x^4-79x^3+62x^2+16x-12)}{(x-1)(2x-1)(3x^2-1)(2x^2-1)}$$

Sequence: A211568
Score: 4.52058
Type of gen. func.: ogf

$$-\frac{2 (82 x^7 - x^6 - 228 x^5 + 75 x^4 + 145 x^3 - 61 x^2 - 26 x + 12)}{(x - 1) (2 x - 1) (3 x^2 - 1) (x^2 + x - 1) (2 x^2 - 1)}$$

Sequence: A211569
Score: 4.49215
Type of gen. func.: ogf

$$-\frac{2 (58 x^7 - 37 x^6 - 196 x^5 + 111 x^4 + 125 x^3 - 69 x^2 - 22 x + 12)}{(x - 1) (2 x - 1) (3 x^2 - 1) (x^2 + x - 1) (2 x^2 - 1)}$$

Sequence: A211570
Score: 7.52820
Type of gen. func.: ogf

$$-\frac{2 (29 x^4 - 15 x^3 - 32 x^2 + 6 x + 8)}{(x - 1) (3 x^2 - 1) (2 x^2 - 1)}$$

Sequence: A211573
Score: 5.87158
Type of gen. func.: ogf

$$-\frac{4 (24 x^5 - 42 x^4 - 14 x^3 + 30 x^2 + x - 4)}{(x - 1) (2 x - 1) (6 x^2 - 1) (2 x^2 - 1)}$$

Sequence: A211576
Score: 3.42509
Type of gen. func.: ogf

$$- 2 (60 x^9 - 186 x^8 - 286 x^7 + 421 x^6 + 290 x^5 - 318 x^4 - 91 x^3 + 90 x^2 + 8 x - 8) / ((x - 1) (2 x - 1) (3 x^2 - 1) (6 x^2 - 1) (x^2 + x - 1) (2 x^2 - 1))$$

Sequence: A211578
Score: 4.20922
Type of gen. func.: ogf

$$-\frac{4\,(36\,x^7+18\,x^6-116\,x^5-84\,x^4+49\,x^3+38\,x^2-5\,x-4)}{(6\,x^2-1)\,(2\,x^2-1)\,(x^2+x-1)\,(4\,x^2+x-1)}$$

Sequence: A211584
Score: 4.20914
Type of gen. func.: ogf

$$-\frac{2\,(60\,x^8-126\,x^7-340\,x^6+45\,x^5+299\,x^4-x^3-88\,x^2+8)}{(2\,x-1)\,(3\,x^2-1)\,(6\,x^2-1)\,(x^2+x-1)\,(2\,x^2-1)}$$

Sequence: A211606
Score: 11.3046
Type of gen. func.: lgdegf]

$$-\frac{3\,x^3+7\,x^2+16\,x+10}{-3\,x^2-4\,x-6}$$

Sequence: A211606
Score: 19.9889
Type of gen. func.: lgdegf]

$$-\frac{3\,x^3+7\,x^2+16\,x+10}{-3\,x^2-4\,x-6}$$

Sequence: A211607
Score: 11.1172
Type of gen. func.: ogf

$$-\frac{13987\,x^2-24518\,x+10753}{(x-1)^3}$$

```
------------------------------------------------------------------------------

Sequence:  A211607
Score: 5.55859
Type of gen. func.: ogf


(4544006704 f(x) + 157081558322543)

           3            2                          2
    (f(x) x  - 3 f(x) x  + 3 f(x) x + 13987 x  - f(x) - 24518 x + 10753)



------------------------------------------------------------------------------

Sequence:  A211607
Score: 6.65208
Type of gen. func.: ogf


{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 10753, a(1) = 7741,

    a(2) = 4951}



------------------------------------------------------------------------------

Sequence:  A211607
Score: 8.91818
Type of gen. func.: lgdogf


                                      2
                          -13987 x  + 21062 x - 7741
                   - ----------------------------------------
                                3          2
                     -13987 x  + 38505 x  - 35271 x + 10753



------------------------------------------------------------------------------

Sequence:  A211612
Score: 10.8422
Type of gen. func.: ogf


                                     2
                               x (x  + 19 x + 4)
                               -----------------
                                            4
                                   (x - 1)



------------------------------------------------------------------------------

Sequence:  A211612
Score: 11.7988
Type of gen. func.: lgdogf


                                     2
                                2 x  + 59 x + 35
                            - ----------------------
                                3       2
                               x  + 18 x  - 15 x - 4
```

Sequence: A211612
Score: 3.97188
Type of gen. func.: ogf

$$\{(-12 - 4 n) a(n + 4) + (5 - 15 n) a(n + 3) + (77 + 18 n) a(n + 2) + (n + 2) a(n + 1), a(0) = 0, a(1) = 4, a(2) = 35, a(3) = 117\}$$

Sequence: A211612
Score: 5.3847
Type of gen. func.: ogf

$$(52488192 f(x) + 451185179) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 19 x^2 + f(x) - 4 x)$$

Sequence: A211613
Score: 4.38822
Type of gen. func.: ogf

$$\{(25805 n^2 + 8111 n) a(n) + (38054 n^2 + 334862 n + 202440) a(n + 1) + (-63859 n^2 - 73981 n - 10122) a(n + 2), a(0) = 0, a(1) = 1\}$$

Sequence: A211613
Score: 4.9916
Type of gen. func.: ogf

$$-(22480896 f(x) + 14793367) (f(x) x^4 - 4 f(x) x^3 - 3 x^4 + 6 f(x) x^2 - 4 x^3 - 4 f(x) x - 16 x^2 + f(x) - x)$$

Sequence: A211613
Score: 9.39595
Type of gen. func.: lgdogf

$$- \frac{-3 x^3 - 17 x^2 - 56 x - 20}{}$$

$$-3 x^4 - x^3 - 12 x^2 + 15 x + 1$$

Sequence: A211613
Score: 9.73971
Type of gen. func.: ogf

$$\frac{x (3 x^3 + 4 x^2 + 16 x + 1)}{(x - 1)^4}$$

Sequence: A211614
Score: 8.54831
Type of gen. func.: lgdogf

$$- \frac{-6 x^3 - 20 x^2 - 59 x - 11}{-3 x^5 + 9 x^4 - 25 x^3 + 12 x^2 + 6 x + 1}$$

Sequence: A211614
Score: 8.83326
Type of gen. func.: ogf

$$\frac{x (3 x^4 - 6 x^3 + 19 x^2 + 7 x + 1)}{(x - 1)^4}$$

Sequence: A211615
Score: 11.1978
Type of gen. func.: ogf

$$- \frac{6 x (x^2 + x + 1)}{(x - 1)^3}$$

Sequence: A211615
Score: 13.9973
Type of gen. func.: lgdogf

$$-\frac{x^{2} + 4 x + 4}{x^{3} - 1}$$

Sequence: A211615
Score: 28.9208
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^{2} + 4]$$

Sequence: A211615
Score: 5.47263
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 0, a(1) = 6, a(2) = 24, a(3) = 60\}$$

Sequence: A211615
Score: 6.5573
Type of gen. func.: ogf

$$-f(x) (f(x) x^{3} - 3 f(x) x^{2} + 6 x^{3} + 3 f(x) x + 6 x^{2} - f(x) + 6 x)$$

Sequence: A211616
Score: 11.1311
Type of gen. func.: ogf

$$-\frac{6 x (x^{3} - x^{2} + 4 x + 1)}{(x - 1)^{3}}$$

Sequence: A211616
Score: 11.4403
Type of gen. func.: lgdogf

$$-\frac{-2 x^{2} - 6 x - 7}{}$$

$$-x^4 + 2 x^3 - 5 x^2 + 3 x + 1$$

Sequence: A211616
Score: 5.56556
Type of gen. func.: ogf

$\{-a(n + 5) + 3 a(n + 4) - 3 a(n + 3) + a(n + 2), a(0) = 0, a(1) = 6, a(2) = 42,$

$a(3) = 102, a(4) = 192\}$

Sequence: A211616
Score: 6.58962
Type of gen. func.: ogf

$(9 f(x) + 98)$

$(f(x) x^3 + 6 x^4 - 3 f(x) x^2 - 6 x^3 + 3 f(x) x + 24 x^2 - f(x) + 6 x)$

Sequence: A211617
Score: 7.49832
Type of gen. func.: lgdogf

$$- \frac{-14 x^4 - 72 x^3 - 156 x^2 - 112 x - 30}{-7 x^5 - 17 x^4 - 14 x^3 + 14 x^2 + 21 x + 3}$$

Sequence: A211617
Score: 8.81670
Type of gen. func.: ogf

$$\frac{x (7 x^3 + 17 x^2 + 21 x + 3)}{(x + 1) (x - 1)^4}$$

Sequence: A211618
Score: 8.06723
Type of gen. func.: ogf

$$x (2 x^4 + 5 x^3 + 23 x^2 + 15 x + 3)$$

$$\frac{}{(x + 1) (x - 1)^{4}}$$

Sequence: A211619
Score: 7.39496
Type of gen. func.: ogf

$$\frac{x (2 x^{5} - 2 x^{4} + 11 x^{3} + 21 x^{2} + 15 x + 1)}{(x + 1) (x - 1)^{4}}$$

Sequence: A211620
Score: 11.1238
Type of gen. func.: ogf

$$- \frac{2 x (2 x^{3} + 3 x^{2} + 6 x + 1)}{(x + 1) (x - 1)^{3}}$$

Sequence: A211620
Score: 4.89975
Type of gen. func.: ogf

$\{-a(n) n + (-n - 6) a(n + 1) + (n - 4) a(n + 2) + (n + 2) a(n + 3), a(0) = 0,$

$a(1) = 2, a(2) = 16\}$

Sequence: A211620
Score: 6.28365
Type of gen. func.: ogf

$-(38 f(x) - 261)$

$(f(x) x^{4} - 2 f(x) x^{3} + 4 x^{4} + 6 x^{3} + 2 f(x) x + 12 x^{2} - f(x) + 2 x)$

Sequence: A211620
Score: 8.31473
Type of gen. func.: lgdogf

$^{4} \quad ^{3} \quad ^{2}$

$$-\frac{-2x - 10x - 30x - 22x - 8}{-2x^5 - 3x^4 - 4x^3 + 2x^2 + 6x + 1}$$

Sequence: A211621
Score: 7.36073
Type of gen. func.: ogf

$$\frac{x(7x^5 + 22x^4 + 44x^3 + 45x^2 + 23x + 3)}{(x + 1)(x^2 + x + 1)(x - 1)^4}$$

Sequence: A211622
Score: 8.06723
Type of gen. func.: ogf

$$\frac{x(x^4 + 5x^3 + 22x^2 + 17x + 3)}{(x + 1)(x - 1)^4}$$

Sequence: A211623
Score: 11.1813
Type of gen. func.: ogf

$$-\frac{2x(x^3 + 2x^2 + 4x + 1)}{(x + 1)(x - 1)^3}$$

Sequence: A211623
Score: 6.0017
Type of gen. func.: ogf

$$-(16576 f(x) - 119989)$$

$$(f(x) x^4 - 2 f(x) x^3 + 2x^4 + 4x^3 + 2 f(x) x + 8x^2 - f(x) + 2x)$$

Sequence: A211623
Score: 8.32890
Type of gen. func.: lgdogf

$$-\frac{-x^4-6x^3-19x^2-16x-6}{-x^5-2x^4-3x^3+x^2+4x+1}$$

Sequence: A211624
Score: 7.42889
Type of gen. func.: ogf

$$\frac{x(7x^4+23x^3+40x^2+22x+4)}{(x+1)^2(x-1)^4}$$

Sequence: A211625
Score: 5.65014
Type of gen. func.: ogf

$$\frac{x(7x^6+23x^5+48x^4+66x^3+44x^2+24x+4)}{(x^2+x+1)^2(x-1)^4}$$

Sequence: A211626
Score: 4.98335
Type of gen. func.: ogf

$$\frac{x(7x^8+23x^7+48x^6+72x^5+92x^4+66x^3+48x^2+24x+4)}{(x+1)^2(x^2+1)^2(x-1)^4}$$

Sequence: A211627
Score: 4.36043
Type of gen. func.: ogf

$$x(7x^{10}+23x^9+48x^8+72x^7+96x^6+118x^5+88x^4+72x^3+48x^2+24x+4) \Big/ \left((x^4+x^3+x^2+x+1)^2(x-1)^4\right)$$

Sequence: A211628
Score: 7.42889
Type of gen. func.: ogf

$$\frac{x\,(7\,x^{4} + 16\,x^{3} + 27\,x^{2} + 18\,x + 4)}{(x^{2} + x + 1)\,(x - 1)^{4}}$$

Sequence: A211629
Score: 6.41856
Type of gen. func.: ogf

$$\frac{x\,(7\,x^{5} + 16\,x^{4} + 26\,x^{3} + 24\,x^{2} + 19\,x + 4)}{(x + 1)\,(x^{2} + 1)\,(x - 1)^{4}}$$

Sequence: A211630
Score: 5.98746
Type of gen. func.: ogf

$$\frac{x\,(7\,x^{6} + 16\,x^{5} + 25\,x^{4} + 26\,x^{3} + 22\,x^{2} + 20\,x + 4)}{(x^{4} + x^{3} + x^{2} + x + 1)\,(x - 1)^{4}}$$

Sequence: A211661
Score: 15.5902
Type of gen. func.: ogf

$$- \frac{x^{26} + x^{2} + 1}{x - 1}$$

Sequence: A211662
Score: 11.3979
Type of gen. func.: lgdogf

$$- \frac{6\,x^{7} - 7\,x^{6} - 1}{-x^{8} + x^{7} - x + 1}$$

Sequence: A211662
Score: 18.9038
Type of gen. func.: ogf

$$-\frac{x(x+1)(x^6-x^5+x^4-x^3+x^2-x+1)}{x-1}$$

Sequence: A211662
Score: 25.7674
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{13}+x^6+1$$

Sequence: A211662
Score: 5.27250
Type of gen. func.: ogf

{a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 1, a(4) = 1, a(5) = 1,

a(6) = 1, a(7) = 1, a(8) = 2}

Sequence: A211663
Score: 16.0289
Type of gen. func.: ogf

$$-\frac{x^{15}+x^2+1}{x-1}$$

Sequence: A211664
Score: 11.4370
Type of gen. func.: lgdogf

$$-\frac{-6x^7+7x^6+2}{x^8-x^7+x^2-1}$$

Sequence: A211664
Score: 18.2992
Type of gen. func.: ogf

$$-\frac{x^{7}+x+1}{x-1}$$

Sequence: A211665
Score: 12.5763
Type of gen. func.: lgdogf

$$-\frac{-8x^{9}+9x^{8}+1}{x^{10}-x^{9}+x-1}$$

Sequence: A211665
Score: 21.1651
Type of gen. func.: ogf

$$-\frac{(x+1)(x^{2}-x+1)(x^{6}-x^{3}+1)}{x-1}$$

Sequence: A211665
Score: 28.8576
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{17}+x^{8}+1$$

Sequence: A211665
Score: 5.16529
Type of gen. func.: ogf

{-a(n + 2) + a(n + 1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1, a(4) = 1,

a(5) = 1, a(6) = 1, a(7) = 1, a(8) = 1, a(9) = 2}

Sequence: A211666

Score: 10.7625
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1), a(0) = 0, a(1) = 1\}$$

Sequence: A211666
Score: 26.3495
Type of gen. func.: ogf

$$-\frac{x}{x - 1}$$

Sequence: A211666
Score: 31.8390
Type of gen. func.: lgdogf

$$\frac{1}{-x + 1}$$

Sequence: A211666
Score: 58.6232
Type of gen. func.: ogf_with_Euler_transform]

$$[1]$$

Sequence: A211667
Score: 15.5011
Type of gen. func.: ogf

$$-\frac{x (x^{14} + x^2 + 1)}{x - 1}$$

Sequence: A211669
Score: 11.3979
Type of gen. func.: lgdogf

$$-\frac{-5 x^6 + 6 x^5 + 1}{x^7 - x^6 + x - 1}$$

Sequence: A211669
Score: 18.9038
Type of gen. func.: ogf

$$-\frac{x\,(x^2 + 1)\,(x^4 - x^2 + 1)}{x - 1}$$

Sequence: A211669
Score: 25.7674
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{11} + x^5 + 1$$

Sequence: A211669
Score: 5.74116
Type of gen. func.: ogf

{a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 1, a(4) = 1, a(5) = 1,

a(6) = 1, a(7) = 2}

Sequence: A211670
Score: 8.00914
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{58} - x^{57} - x^{56} + x^5 - x^2 - x - 1}{x^{58} + x^{56} + x^2 + 1}$$

Sequence: A211681
Score: 6.59488
Type of gen. func.: ogf

$$\frac{2\,x^7 - 2\,x^6 + 5\,x^5 - 2\,x^4 + 2\,x^3 + 2\,x^2 + x + 2}{(x - 1)\,(10\,x^4 - 1)\,(x^4 + 1)}$$

Sequence: A211703
Score: 9.22808
Type of gen. func.: ogf

$$\frac{4 x^5 + 5 x^4 + 7 x^3 + 5 x^2 + 3 x + 1}{(x + 1) (x^2 + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A211704
Score: 4.72869
Type of gen. func.: ogf

$$\frac{5 x^9 + 11 x^8 + 19 x^7 + 24 x^6 + 26 x^5 + 22 x^4 + 16 x^3 + 9 x^2 + 4 x + 1}{(x + 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A211710
Score: 13.4757
Type of gen. func.: ogf

$$- \frac{2 (14 x^2 + 11 x - 17)}{(x - 1) (x^2 + x - 1)}$$

Sequence: A211710
Score: 7.11925
Type of gen. func.: lgdogf

$$- \frac{-14 x^4 - 22 x^3 + 23 x^2 + 28 x - 23}{-14 x^5 - 11 x^4 + 45 x^3 + 8 x^2 - 45 x + 17}$$

Sequence: A211710
Score: 7.47169
Type of gen. func.: ogf

$$(823 f(x) - 9134) (f(x) x^3 - 2 f(x) x + 28 x^2 + f(x) + 22 x - 34)$$

```
------------------------------------------------------------------------------

Sequence:  A211710
Score: 7.77980
Type of gen. func.: ogf


        {-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 34, a(1) = 46, a(2) = 64}



------------------------------------------------------------------------------

Sequence:  A211715
Score: 14.0378
Type of gen. func.: ogf


                                  2 (22 x - 17)
                              - -----------------
                                (x - 1) (2 x - 1)



------------------------------------------------------------------------------

Sequence:  A211715
Score: 6.94502
Type of gen. func.: ogf


                                     2
          -(19 f(x) + 1036) (2 f(x) x  - 3 f(x) x + f(x) + 44 x - 34)



------------------------------------------------------------------------------

Sequence:  A211715
Score: 7.85448
Type of gen. func.: ogf


             {a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 34, a(1) = 58}



------------------------------------------------------------------------------

Sequence:  A211715
Score: 9.16356
Type of gen. func.: lgdogf


                                    2
                               -44 x  + 68 x - 29
                         - ----------------------------
                                3        2
                           -44 x  + 100 x  - 73 x + 17



------------------------------------------------------------------------------

Sequence:  A211719
Score: 10.1487
Type of gen. func.: ogf
```

$$-\frac{3036 x - 265}{(12 x - 1) (11 x - 1)}$$

Sequence: A211719
Score: 5.12269
Type of gen. func.: ogf

$$-(397 f(x) + 9252276) (132 f(x) x^2 - 23 f(x) x + f(x) + 3036 x - 265)$$

Sequence: A211719
Score: 5.91079
Type of gen. func.: lgdogf

$$-\frac{-400752 x^2 + 69960 x - 3059}{-400752 x^3 + 104808 x^2 - 9131 x + 265}$$

Sequence: A211719
Score: 5.97647
Type of gen. func.: ogf

$$\{a(n + 2) - 23 a(n + 1) + 132 a(n), a(0) = 265, a(1) = 3059\}$$

Sequence: A211720
Score: 5.21365
Type of gen. func.: ogf

$$-\frac{2 (58 x^6 - 10 x^5 - 149 x^4 + 21 x^3 + 97 x^2 - 7 x - 18)}{(x - 1) (2 x^2 - 1) (2 x^4 - 4 x^2 + 1)}$$

Sequence: A211721
Score: 4.34148
Type of gen. func.: ogf

$$-\frac{2 (140 x^7 - 102 x^6 - 348 x^5 + 251 x^4 + 209 x^3 - 147 x^2 - 35 x + 24)}{(x - 1) (2 x - 1) (2 x^2 - 1) (2 x^4 - 4 x^2 + 1)}$$

Sequence: A211722
Score: 3.46832
Type of gen. func.: ogf

$$- 2 (124 x^9 + 14 x^8 - 534 x^7 + 65 x^6 + 744 x^5 - 225 x^4 - 363 x^3 + 142 x^2 + 55 x - 24) / ((x - 1) (2 x - 1) (2 x^2 - 1) (x^2 + x - 1) (2 x^4 - 4 x^2 + 1))$$

Sequence: A211723
Score: 3.50335
Type of gen. func.: ogf

$$- 2 (100 x^9 - 22 x^8 - 466 x^7 + 163 x^6 + 680 x^5 - 295 x^4 - 329 x^3 + 155 x^2 + 49 x - 24) / ((x - 1) (2 x - 1) (2 x^2 - 1) (x^2 + x - 1) (2 x^4 - 4 x^2 + 1))$$

Sequence: A211724
Score: 5.28885
Type of gen. func.: ogf

$$- \frac{2 (42 x^6 - 26 x^5 - 117 x^4 + 53 x^3 + 89 x^2 - 15 x - 18)}{(x - 1) (2 x^2 - 1) (2 x^4 - 4 x^2 + 1)}$$

Sequence: A211766
Score: 3.42415
Type of gen. func.: ogf

$$- \frac{2 (84 x^7 + 1062 x^6 + 4393 x^5 + 6724 x^4 + 1838 x^3 - 2116 x^2 + 411 x - 24)}{(3 x^2 + 6 x - 1) (4 x^2 + 6 x - 1) (x^2 + 6 x - 1) (2 x^2 + 6 x - 1)}$$

Sequence: A211773

Score: 10.8419
Type of gen. func.: ogf

$$-\frac{1369 x^2 - 2624 x + 1259}{(x - 1)^3}$$

Sequence: A211773
Score: 5.83794
Type of gen. func.: ogf

$(5497 f(x) - 38601515)$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 1369 x^2 - f(x) - 2624 x + 1259)$$

Sequence: A211773
Score: 6.27217
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1259, a(1) = 1153,$

$a(2) = 1051\}$

Sequence: A211773
Score: 8.92861
Type of gen. func.: lgdogf

$$-\frac{-1369 x^2 + 2510 x - 1153}{-1369 x^3 + 3993 x^2 - 3883 x + 1259}$$

Sequence: A211774
Score: 16.4613
Type of gen. func.: lgdegf]

$$-\frac{x^2 + 2}{2 x - 2}$$

Sequence: A211774

Score: 45.0727
Type of gen. func.: lgdegf]

$$-\frac{x^2 + 2}{2 x - 2}$$

Sequence: A211774
Score: 5.88860
Type of gen. func.: egf]

{-2 a(n + 3) n + 2 a(n + 2) n + a(n), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1/2}

Sequence: A211775
Score: 11.6047
Type of gen. func.: ogf

$$-\frac{5633 x^2 - 11048 x + 5419}{(x - 1)^3}$$

Sequence: A211775
Score: 6.14874
Type of gen. func.: ogf

(21409 f(x) - 1511521171)

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 5633 x^2 - f(x) - 11048 x + 5419)$$

Sequence: A211775
Score: 6.80936
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 5419, a(1) = 5209,

a(2) = 5003}

Sequence: A211775
Score: 9.36286
Type of gen. func.: lgdogf

$$-\frac{-5633 x^2 + 10830 x - 5209}{-5633 x^3 + 16681 x^2 - 16467 x + 5419}$$

Sequence: A211784
Score: 8.27481
Type of gen. func.: ogf

$$-\frac{x^4 + 6 x^3 + 8 x^2 + 6 x + 1}{(x + 1) (x^2 + x + 1) (x - 1)^3}$$

Sequence: A211786
Score: 8.55904
Type of gen. func.: ogf

$$\frac{2 x^3 + 6 x^2 + 9 x + 1}{(x + 1) (x - 1)^4}$$

Sequence: A211789
Score: 10.0976
Type of gen. func.: revogf

$$-\frac{-4 x^3 + 4 x^2 - x}{x^2 - 2 x + 1}$$

Sequence: A211789
Score: 6.37747
Type of gen. func.: ogf

$$4 x^2 f(x)^3 - f(x)^2 x^2 - 4 f(x)^2 x + 2 f(x) x + f(x) - 1$$

Sequence: A211813
Score: 13.4757
Type of gen. func.: ogf

$$-\frac{2\,(13 x^2 + 10 x - 16)}{(x - 1)\,(x^2 + x - 1)}$$

Sequence: A211813
Score: 7.11925
Type of gen. func.: lgdogf

$$-\frac{-13 x^4 - 20 x^3 + 22 x^2 + 26 x - 22}{-13 x^5 - 10 x^4 + 42 x^3 + 7 x^2 - 42 x + 16}$$

Sequence: A211813
Score: 7.47169
Type of gen. func.: ogf

$$(314 f(x) - 3299)\,(f(x) x^3 - 2 f(x) x + 26 x^2 + f(x) + 20 x - 32)$$

Sequence: A211813
Score: 7.77980
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n), a(0) = 32, a(1) = 44, a(2) = 62\}$$

Sequence: A211837
Score: 7.65086
Type of gen. func.: ogf

$$-\frac{12 x^4 - 56 x^3 + 102 x^2 - 88 x + 33}{(x - 1)^5}$$

Sequence: A211838
Score: 4.88726
Type of gen. func.: ogf

$$41 x^6 - 275 x^5 + 781 x^4 - 1210 x^3 + 1093 x^2 - 561 x + 146$$

$$-\frac{}{(x-1)^7}$$

Sequence: A211839
Score: 3.46905
Type of gen. func.: ogf

$$-(159 x^8 - 1390 x^7 + 5367 x^6 - 11983 x^5 + 16980 x^4 - 15720 x^3 + 9383 x^2 - 3355 x + 664) / (x - 1)^9$$

Sequence: A211850
Score: 3.87054
Type of gen. func.: ogf

$$\{(661 n^2 + 4910 n + 7176) a(n + 1) + (-538 n^2 - 1142 n + 1737) a(n + 2) + (-123 n^2 - 1416 n - 3141) a(n + 3), a(0) = 63, a(1) = 147, a(2) = 286\}$$

Sequence: A211850
Score: 4.91074
Type of gen. func.: ogf

$$(517715968 f(x) + 18200066999) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 20 x^3 - 4 f(x) x - 76 x^2 + f(x) + 105 x - 63)$$

Sequence: A211850
Score: 8.44859
Type of gen. func.: lgdogf

$$-\frac{-20 x^3 + 92 x^2 - 163 x + 147}{-20 x^4 + 96 x^3 - 181 x^2 + 168 x - 63}$$

Sequence: A211850
Score: 9.58194

Type of gen. func.: ogf

$$-\frac{20 x^{3} - 76 x^{2} + 105 x - 63}{(x - 1)^{4}}$$

Sequence: A211851
Score: 7.09811
Type of gen. func.: ogf

$$-\frac{50 x^{4} - 241 x^{3} + 457 x^{2} - 419 x + 196}{(x - 1)^{5}}$$

Sequence: A211852
Score: 5.53617
Type of gen. func.: ogf

$$-\frac{126 x^{5} - 735 x^{4} + 1768 x^{3} - 2228 x^{2} + 1515 x - 588}{(x - 1)^{6}}$$

Sequence: A211853
Score: 4.42059
Type of gen. func.: ogf

$$-\frac{323 x^{6} - 2210 x^{5} + 6435 x^{4} - 10295 x^{3} + 9696 x^{2} - 5181 x + 1731}{(x - 1)^{7}}$$

Sequence: A211866
Score: 10.6779
Type of gen. func.: lgdogf

$$-\frac{-81 x^{2} - 18 x + 19}{-81 x^{3} + 81 x^{2} + x - 1}$$

Sequence: A211866
Score: 16.0168
Type of gen. func.: ogf

$$\frac{9 x + 1}{(9 x - 1) (x - 1)}$$

Sequence: A211866
Score: 8.18638
Type of gen. func.: ogf

$$(172 f(x) + 189) (9 f(x) x^2 - 10 f(x) x + f(x) - 9 x - 1)$$

Sequence: A211866
Score: 8.77112
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 9 a(n), a(0) = 1, a(1) = 19\}$$

Sequence: A211894
Score: 10.1072
Type of gen. func.: ogf

$$4 x^2 f(x)^3 - 5 f(x)^3 x + f(x)^3 - 4 x^2 - 4 x - 1$$

Sequence: A211894
Score: 13.5365
Type of gen. func.: lgdogf

$$- \frac{6 x - 3}{8 x^3 - 6 x^2 - 3 x + 1}$$

Sequence: A211894
Score: 26.6021
Type of gen. func.: lgdogf

$$- \frac{6 x - 3}{}$$

$$8 x^{3} - 6 x^{2} - 3 x + 1$$

Sequence: A211894
Score: 4.73777
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-9 - 3 n) a(n + 2) - 6 a(n + 1) n + 8 a(n) n, a(0) = 1, a(1) = 3, a(2) = 6\}$$

Sequence: A211895
Score: 15.0770
Type of gen. func.: lgdogf

$$- \frac{-24 x^{2} - 12 x + 3}{-64 x^{4} - 40 x^{3} + 30 x^{2} + 5 x - 1}$$

Sequence: A211895
Score: 9.36575
Type of gen. func.: lgdogf

$$- \frac{-24 x^{2} - 12 x + 3}{-64 x^{4} - 40 x^{3} + 30 x^{2} + 5 x - 1}$$

Sequence: A211896
Score: 10.5896
Type of gen. func.: lgdogf

$$- \frac{-192 x^{3} + 120 x^{2} + 30 x - 3}{-1024 x^{5} + 704 x^{4} + 440 x^{3} - 110 x^{2} - 11 x + 1}$$

Sequence: A211896
Score: 7.21226
Type of gen. func.: lgdogf

3   2

$$-\frac{-192 x + 120 x + 30 x - 3}{-1024 x^5 + 704 x^4 + 440 x^3 - 110 x^2 - 11 x + 1}$$

Sequence: A211899
Score: 7.88220
Type of gen. func.: ogf

$$-\frac{x (x^4 - 4 x^3 + 3 x^2 + 2 x + 1)}{(x - 1)^5}$$

Sequence: A211899
Score: 8.04472
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 4 x^3 + 3 x^2 - 14 x - 7}{-x^5 + 5 x^4 - 7 x^3 + x^2 + x + 1}$$

Sequence: A211905
Score: 8.61541
Type of gen. func.: ogf

$$-\frac{x (x^4 - 4 x^3 + 4 x^2 + 2)}{(x - 1)^5}$$

Sequence: A211905
Score: 8.80901
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 4 x^3 - 8 x - 10}{-x^5 + 5 x^4 - 8 x^3 + 4 x^2 - 2 x + 2}$$

Sequence: A211911
Score: 7.88220

Type of gen. func.: ogf

$$-\frac{x\,(x^4 - 5\,x^3 + 5\,x^2 + x + 1)}{(x - 1)^5}$$

Sequence: A211911
Score: 9.07370
Type of gen. func.: lgdogf

$$-\frac{x^4 - 6\,x^3 + 14\,x + 6}{x^5 - 6\,x^4 + 10\,x^3 - 4\,x^2 - 1}$$

Sequence: A211924
Score: 7.88220
Type of gen. func.: ogf

$$-\frac{x\,(x - 2)\,(x^3 - 3\,x^2 - 1)}{(x - 1)^5}$$

Sequence: A211924
Score: 8.04472
Type of gen. func.: lgdogf

$$-\frac{x^4 - 6\,x^3 + 3\,x^2 + 8\,x + 9}{x^5 - 6\,x^4 + 11\,x^3 - 7\,x^2 + 3\,x - 2}$$

Sequence: A211958
Score: 7.91921
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 6\,x^3 - 6\,x^2 - 2\,x - 12}{-x^5 + 6\,x^4 - 12\,x^3 + 10\,x^2 - 6\,x + 3}$$

Sequence: A211958
Score: 7.91921
Type of gen. func.: ogf

$$-\frac{x\,(x^4 - 5\,x^3 + 7\,x^2 - 3\,x + 3)}{(x - 1)^5}$$

Sequence: A211971
Score: 16.4265
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^2 + x + 1}{x^2 - 1}$$

Sequence: A212031
Score: 7.76240
Type of gen. func.: lgdogf

$$-\frac{x^4 - 10\,x^3 + 12\,x^2 + 2\,x + 10}{x^5 - 8\,x^4 + 18\,x^3 - 16\,x^2 + 8\,x - 3}$$

Sequence: A212031
Score: 7.84002
Type of gen. func.: ogf

$$-\frac{x\,(x^4 - 7\,x^3 + 11\,x^2 - 5\,x + 3)}{(x - 1)^5}$$

Sequence: A212039
Score: 7.80338
Type of gen. func.: lgdogf

```
             4       3      2
            x  - 10 x  + 6 x  + 14 x + 4
          - ----------------------------------
             5      4       3       2
```

$$x - 8 x + 16 x - 10 x + 2 x - 1$$

Sequence: A212039
Score: 7.88220
Type of gen. func.: ogf

$$-\frac{x (x^4 - 7 x^3 + 9 x^2 - x + 1)}{(x - 1)^5}$$

Sequence: A212068
Score: 9.43821
Type of gen. func.: ogf

$$\frac{x^2 (x^2 + x + 3)}{(x + 1) (x - 1)^4}$$

Sequence: A212068
Score: 9.78351
Type of gen. func.: lgdogf

$$-\frac{-3 x^3 - 7 x^2 - 20 x - 10}{-x^4 - x^3 - 2 x^2 + x + 3}$$

Sequence: A212069
Score: 6.97698
Type of gen. func.: ogf

$$\frac{x (x^4 - x^3 + 6 x^2 - x + 1)}{(x^2 + x + 1) (x - 1)^4}$$

Sequence: A212088
Score: 5.96575
Type of gen. func.: ogf

$$-\frac{x^2\,(x^4+5\,x^3+15\,x^2+8\,x+7)}{(x^2+x+1)\,(x-1)^5}$$

Sequence: A212089
Score: 6.20627
Type of gen. func.: ogf

$$-\frac{x\,(7\,x^4+8\,x^3+15\,x^2+5\,x+1)}{(x^2+x+1)\,(x-1)^5}$$

Sequence: A212090
Score: 7.62148
Type of gen. func.: ogf

$$-\frac{x\,(x^3+10\,x^2+11\,x+1)}{(x-1)^5}$$

Sequence: A212090
Score: 8.43807
Type of gen. func.: lgdogf

$$-\frac{2\,x^3+33\,x^2+64\,x+16}{x^4+9\,x^3+x^2-10\,x-1}$$

Sequence: A212126
Score: 7.65659
Type of gen. func.: ogf

$$-\frac{x^2\,(x^{10}+x^8+x^5+x^3+1)}{(x-1)\,(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A212133

Score: 10.9881
Type of gen. func.: ogf

$$\frac{x (7 x^2 + 4 x + 1)}{(x - 1)^4}$$

Sequence: A212133
Score: 12.1535
Type of gen. func.: lgdogf

$$-\frac{-14 x^2 - 26 x - 8}{-7 x^3 + 3 x^2 + 3 x + 1}$$

Sequence: A212133
Score: 4.05117
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-2 + 3 n) a(n + 3) + (-23 + 3 n) a(n + 2)$$

$$+ (-14 - 7 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 8, a(3) = 33\}$$

Sequence: A212133
Score: 5.81255
Type of gen. func.: ogf

$$(808 f(x) + 1975)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 7 x^3 - 4 f(x) x - 4 x^2 + f(x) - x)$$

Sequence: A212134
Score: 10.6256
Type of gen. func.: lgdogf

$$-\frac{-6 x^3 + 12 x^2 + 42 x + 12}{-3 x^4 + 10 x^3 - 6 x - 1}$$

Sequence: A212134
Score: 4.25024
Type of gen. func.: ogf

$$\{(55 n^2 + 413 n + 606) a(n + 1) + (-12 n^2 + 176 n + 1004) a(n + 2)$$
$$+ (-43 n^2 - 197 n - 222) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 12\}$$

Sequence: A212134
Score: 8.87412
Type of gen. func.: ogf

$$\frac{x (3 x^3 - 7 x^2 - 7 x - 1)}{(x - 1)^5}$$

Sequence: A212135
Score: 15.1100
Type of gen. func.: lgdogf

$$-\frac{-3 x^2 - 6 x - 6}{-x^3 + 1}$$

Sequence: A212135
Score: 31.1984
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^2 + 6]$$

Sequence: A212135
Score: 4.38949
Type of gen. func.: ogf

$$\{(-7 n^2 - 3 n + 22) a(n + 1) + (-9 n^2 - 119 n - 84) a(n + 2)$$
$$+ (16 n^2 + 30 n + 14) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 4\}$$

Sequence: A212135
Score: 9.03125
Type of gen. func.: ogf

$$-\frac{4 x^{2} (x^{2} + x + 1)}{(x - 1)^{5}}$$

Sequence: A212145
Score: 7.08798
Type of gen. func.: ogf

$$-\frac{x (x^{4} + 11 x^{3} + 22 x^{2} + 12 x + 1)}{(x + 1) (x - 1)^{5}}$$

Sequence: A212156
Score: 4.2948
Type of gen. func.: ogf

$$(49904 f(x) - 105813)$$

$$(343 f(x) x^{3} - 399 f(x) x^{2} + 57 f(x) x + 889 x^{2} - f(x) - 26 x + 1)$$

Sequence: A212156
Score: 4.54326
Type of gen. func.: ogf

$\{a(n + 3) - 57 a(n + 2) + 399 a(n + 1) - 343 a(n), a(0) = 1, a(1) = 31,$

$a(2) = 2257\}$

Sequence: A212156
Score: 7.96716
Type of gen. func.: ogf

$$-\frac{889 x^{2} - 26 x + 1}{(x - 1) (7 x - 1) (49 x - 1)}$$

Sequence: A212160
Score: 13.2748
Type of gen. func.: ogf

$$\frac{3 x^2 + 8 x + 2}{(x + 1) (x - 1)^2}$$

Sequence: A212160
Score: 6.98072
Type of gen. func.: ogf

$$(767 f(x) - 2959) (f(x) x^3 - f(x) x^2 - f(x) x - 3 x^2 + f(x) - 8 x - 2)$$

Sequence: A212160
Score: 7.10318
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 10, a(2) = 15}

Sequence: A212160
Score: 9.75618
Type of gen. func.: lgdogf

$$- \frac{-3 x^3 - 19 x^2 - 20 x - 10}{-3 x^4 - 8 x^3 + x^2 + 8 x + 2}$$

Sequence: A212161
Score: 4.76251
Type of gen. func.: ogf

$$-(30413 f(x) + 886415) (f(x) x^3 - f(x) x^2 - f(x) x - 7 x^2 + f(x) - 4 x - 6)$$

Sequence: A212161
Score: 5.18028
Type of gen. func.: ogf

$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 6, a(1) = 10, a(2) = 23\}$

Sequence: A212161
Score: 9.68118
Type of gen. func.: ogf

$$\frac{7 x^2 + 4 x + 6}{(x + 1) (x - 1)^2}$$

Sequence: A212199
Score: 10.851
Type of gen. func.: ogf

$$-4 f(x)^2 x + 4 f(x) x^2 - x^3 - 2 f(x)^2 + 3 f(x) x - x^2 + f(x) - x$$

Sequence: A212205
Score: 10.4771
Type of gen. func.: ogf

$$-6 f(x)^2 x^3 + 2 f(x) x^3 + f(x)^2 x - 5 f(x) x^2 + x^2 + f(x) - 2 x - 1$$

Sequence: A212242
Score: 3.88275
Type of gen. func.: ogf

$$\frac{x^8 - 3 x^7 + 53 x^6 - 51 x^5 + 120 x^4 - 51 x^3 + 53 x^2 - 3 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^6}$$

Sequence: A212246
Score: 14.1878
Type of gen. func.: lgdogf

$$- \frac{4 x + 21}{x^2 + 3 x - 4}$$

Sequence: A212246
Score: 4.66579
Type of gen. func.: ogf

{(4 + 4 n) a(n + 3) + (-21 - 3 n) a(n + 2) + (-3 - n) a(n + 1), a(0) = 0,

a(1) = 0, a(2) = 4}

Sequence: A212246
Score: 8.80004
Type of gen. func.: ogf

$$-\frac{x^2 (x + 4)}{(x - 1)^5}$$

Sequence: A212247
Score: 9.16185
Type of gen. func.: lgdogf

$$-\frac{9 x^3 + 13 x^2 + 14 x + 4}{3 x^4 + x^3 - 2 x^2 - x - 1}$$

Sequence: A212247
Score: 9.27496
Type of gen. func.: ogf

$$\frac{x (3 x^2 + x + 1)}{(x + 1) (x - 1)^4}$$

Sequence: A212249
Score: 5.63080
Type of gen. func.: ogf

$$-\frac{x (x^5 + 11 x^4 + 17 x^3 + 21 x^2 + 8 x + 1)}{(x^2 + x + 1) (x - 1)^5}$$

Sequence: A212250
Score: 6.59241
Type of gen. func.: ogf

$$-\frac{x^2 (x^3 + 6 x^2 + 2 x + 4)}{(x^2 + x + 1) (x - 1)^5}$$

Sequence: A212251
Score: 8.85116
Type of gen. func.: ogf

$$\frac{x^2 (x^3 + 3 x + 1)}{(x^2 + x + 1) (x - 1)^4}$$

Sequence: A212251
Score: 9.04569
Type of gen. func.: lgdogf

$$-\frac{-3 x^5 - 3 x^4 - 18 x^3 - 18 x^2 - 12 x - 6}{-x^6 - 3 x^4 + 3 x + 1}$$

Sequence: A212252
Score: 8.67288
Type of gen. func.: ogf

$$\frac{x^3 (2 x + 3)}{(x^2 + x + 1) (x - 1)^4}$$

Sequence: A212252
Score: 9.69993
Type of gen. func.: lgdogf

3   2

$$-\frac{10 x + 24 x + 15 x + 11}{2 x^{4} + 3 x^{3} - 2 x - 3}$$

Sequence: A212254
Score: 8.73293
Type of gen. func.: ogf

$$\frac{x^{3} (3 x^{2} + 2 x + 1)}{(x + 1) (x^{2} + x + 1) (x - 1)^{4}}$$

Sequence: A212257
Score: 5.44413
Type of gen. func.: ogf

$$-\frac{x^{6} - 2 x^{5} + 19 x^{4} - 12 x^{3} + 19 x^{2} - 2 x + 1}{(x + 1) (x^{2} + 1) (x - 1)^{5}}$$

Sequence: A212262
Score: 13.2119
Type of gen. func.: ogf

$$-\frac{(2 x - 1) (2 x + 1)}{(3 x - 1) (x^{2} + x - 1)}$$

Sequence: A212262
Score: 6.60595
Type of gen. func.: ogf

$$-(55 f(x) + 137) (3 f(x) x^{3} + 2 f(x) x^{2} - 4 f(x) x + 4 x^{2} + f(x) - 1)$$

Sequence: A212262
Score: 6.66440
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 2 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 4, a(2) = 10\}$$

Sequence: A212262
Score: 8.18562
Type of gen. func.: lgdogf

$$-\frac{-12 x^4 - 7 x^2 + 12 x - 4}{-12 x^5 - 8 x^4 + 19 x^3 - 2 x^2 - 4 x + 1}$$

Sequence: A212272
Score: 8.42241
Type of gen. func.: ogf

$$\frac{x (9 x^3 - 2 x^2 + x - 2)}{(x^2 + x - 1) (x - 1)^4}$$

Sequence: A212291
Score: 15.0895
Type of gen. func.: lgdegf]

$$-\frac{-x^2 - 1}{-x^2 + 1}$$

Sequence: A212291
Score: 3.23347
Type of gen. func.: ogf

$$\{(-2 n^2 - 10 n - 12) a(n + 1) + (-3 n^2 - 16 n - 21) a(n + 2)$$

$$+ (-n^2 - 5 n - 7) a(n + 3) + (n + 4) a(n + 4), a(0) = 1, a(1) = 1,$$

$$a(2) = 1, a(3) = 5\}$$

Sequence: A212291
Score: 39.5420
Type of gen. func.: lgdegf]

$$-\frac{-x^2 - 1}{-x^2 + 1}$$

Sequence: A212294
Score: 12.0471
Type of gen. func.: ogf

$$-\frac{x (x^5 - x^4 + x^3 + x - 3)}{(x - 1)^2}$$

Sequence: A212307
Score: 6.35610
Type of gen. func.: egf]

$$-\frac{9 (x^2 + x + 1) (x^6 + 3 x^3 + 9)}{x^9 - 81}$$

Sequence: A212323
Score: 12.2909
Type of gen. func.: ogf

$$\frac{2 x^2 - 2 x + 1}{(3 x - 1) (x^2 + x - 1)}$$

Sequence: A212323
Score: 6.57672
Type of gen. func.: ogf

$$(55 f(x) + 113) (3 f(x) x^3 + 2 f(x) x^2 - 4 f(x) x - 2 x^2 + f(x) + 2 x - 1)$$

Sequence: A212323
Score: 6.69415
Type of gen. func.: ogf

{-a(n + 3) + 4 a(n + 2) - 2 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 2, a(2) = 8}

Sequence: A212323
Score: 7.89205
Type of gen. func.: lgdogf

$$-\frac{-6 x^4 + 12 x^3 - 13 x^2 + 2}{-6 x^5 + 2 x^4 + 9 x^3 - 12 x^2 + 6 x - 1}$$

Sequence: A212325
Score: 10.0254
Type of gen. func.: lgdogf

$$-\frac{169 x^2 - 338 x + 163}{169 x^3 - 507 x^2 + 505 x - 167}$$

Sequence: A212325
Score: 11.6714
Type of gen. func.: ogf

$$\frac{169 x^2 - 338 x + 167}{(x - 1)^3}$$

Sequence: A212325
Score: 6.30631
Type of gen. func.: ogf

(380 f(x) - 211841)

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 169 x^2 - f(x) + 338 x - 167)$$

Sequence: A212325
Score: 6.62697
Type of gen. func.: ogf

$\{a(n+3) - 3a(n+2) + 3a(n+1) - a(n), a(0) = -167, a(1) = -163,$

$a(2) = -157\}$

Sequence: A212329
Score: 12.7070
Type of gen. func.: ogf

$$-\frac{x(x+5)}{(x-1)(x^2-6x+1)}$$

Sequence: A212329
Score: 6.24396
Type of gen. func.: ogf

$$(236312 f(x) - 97271)(f(x) x^3 - 7 f(x) x^2 + 7 f(x) x + x^2 - f(x) + 5x)$$

Sequence: A212329
Score: 6.46695
Type of gen. func.: ogf

$\{a(n+3) - 7a(n+2) + 7a(n+1) - a(n), a(0) = 0, a(1) = 5, a(2) = 36\}$

Sequence: A212329
Score: 8.62260
Type of gen. func.: lgdogf

$$-\frac{-2x^3 - 8x^2 + 70x - 36}{-x^4 + 2x^3 + 28x^2 - 34x + 5}$$

Sequence: A212330
Score: 4.80663
Type of gen. func.: ogf

$$x^5 (x^9 - 2x^8 + 5x^7 + 2x^6 - 2x^5 - 6x^4 + 11x^3 + 8x^2 - 14x + 4)(x-1)^2$$

$$/ (2x-1)^4$$

/

Sequence: A212331
Score: 13.8997
Type of gen. func.: ogf

$$\frac{5 x (2 x - 3)}{(x - 1)^3}$$

Sequence: A212331
Score: 17.0850
Type of gen. func.: lgdogf

$$- \frac{-4 x + 7}{-2 x^2 + 5 x - 3}$$

Sequence: A212331
Score: 7.13114
Type of gen. func.: ogf

$$-(3 f(x) - 130) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 10 x^2 - f(x) + 15 x)$$

Sequence: A212331
Score: 7.25736
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 15, a(2) = 35\}$$

Sequence: A212335
Score: 15.1105
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (x^2 - 21 x + 1)}$$

Sequence: A212335
Score: 5.03682
Type of gen. func.: ogf

$$\{a(n+3) - 22\,a(n+2) + 22\,a(n+1) - a(n),\ a(0) = 1,\ a(1) = 22,\ a(2) = 462\}$$

Sequence: A212335
Score: 5.55951
Type of gen. func.: ogf

$$(48295\,f(x) - 16)\,(f(x)\,x^3 - 22\,f(x)\,x^2 + 22\,f(x)\,x - f(x) + 1)$$

Sequence: A212335
Score: 8.66629
Type of gen. func.: lgdogf

$$-\frac{3x^2 - 44x + 22}{x^3 - 22x^2 + 22x - 1}$$

Sequence: A212336
Score: 15.4737
Type of gen. func.: ogf

$$-\frac{1}{(x-1)\,(x^2 - 22x + 1)}$$

Sequence: A212336
Score: 5.15790
Type of gen. func.: ogf

$$\{a(n+3) - 23\,a(n+2) + 23\,a(n+1) - a(n),\ a(0) = 1,\ a(1) = 23,\ a(2) = 506\}$$

Sequence: A212336
Score: 5.63995
Type of gen. func.: ogf

$$(232827\,f(x) - 67)\,(f(x)\,x^3 - 23\,f(x)\,x^2 + 23\,f(x)\,x - f(x) + 1)$$

Sequence: A212336
Score: 8.87462
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 46 x + 23}{x^3 - 23 x^2 + 23 x - 1}$$

Sequence: A212337
Score: 14.8212
Type of gen. func.: ogf

$$\frac{1}{(x - 1)^2 (3 x - 1)^2}$$

Sequence: A212337
Score: 15.4261
Type of gen. func.: lgdogf

$$-\frac{12 x - 8}{3 x^2 - 4 x + 1}$$

Sequence: A212337
Score: 4.94039
Type of gen. func.: ogf

{(-3 - n) a(n + 3) + (16 + 4 n) a(n + 2) + (-15 - 3 n) a(n + 1), a(0) = 1,

a(1) = 8, a(2) = 42}

Sequence: A212337
Score: 6.09579
Type of gen. func.: ogf

$$(2153 f(x) + 585) (9 f(x) x^4 - 24 f(x) x^3 + 22 f(x) x^2 - 8 f(x) x + f(x) - 1)$$

Sequence: A212338
Score: 5.25480
Type of gen. func.: ogf

$$-\frac{x+2}{(x^2+x-1)^3}$$

Sequence: A212339
Score: 7.44691
Type of gen. func.: lgdogf

$$-\frac{-56x^4-80x^3-114x^2-46x-19}{-8x^5-12x^4-18x^3-5x^2-x+5}$$

Sequence: A212339
Score: 7.44691
Type of gen. func.: ogf

$$-\frac{4x^2+4x+5}{(2x-1)^3(x^2+x+1)^3}$$

Sequence: A212340
Score: 10.5791
Type of gen. func.: lgdogf

$$-\frac{-20x^3-6x^2-2x-1}{-5x^4-2x^3-x^2-x+1}$$

Sequence: A212340
Score: 17.4879
Type of gen. func.: ogf

$$-\frac{1}{5x^4+2x^3+x^2+x-1}$$

Sequence: A212340
Score: 7.08186
Type of gen. func.: ogf

$$(413 f(x) - 250) (5 f(x) x^4 + 2 f(x) x^3 + f(x) x^2 + f(x) x - f(x) + 1)$$

Sequence: A212341
Score: 4.69424
Type of gen. func.: ogf

$$- \frac{25 x^3 + 20 x^2 + 14 x + 14}{(5 x^4 + 2 x^3 + x^2 + x - 1)^3}$$

Sequence: A212342
Score: 3.42306
Type of gen. func.: ogf

$$-(29 f(x) - 294)$$

$$(f(x) x^3 - x^4 - 3 f(x) x^2 + x^3 + 3 f(x) x + 2 x^2 - f(x) - 2 x + 1)$$

Sequence: A212342
Score: 5.95703
Type of gen. func.: ogf

$$\frac{x^4 - x^3 - 2 x^2 + 2 x - 1}{(x - 1)^3}$$

Sequence: A212343
Score: 13.8752
Type of gen. func.: ogf

$$- \frac{x^2 (2 x - 5)}{(x - 1)^4}$$

Sequence: A212343
Score: 19.5385
Type of gen. func.: lgdogf

$$-\frac{-6 x + 18}{-2 x^{2} + 7 x - 5}$$

Sequence: A212343
Score: 6.42542
Type of gen. func.: ogf

$\{(-5 - 5 n) a(n + 3) + (18 + 7 n) a(n + 2) + (-4 - 2 n) a(n + 1), a(0) = 0,$

$a(1) = 0, a(2) = 5\}$

Sequence: A212343
Score: 7.1984
Type of gen. func.: ogf

$(114 f(x) - 125)$

$(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} + 2 x^{3} - 4 f(x) x - 5 x^{2} + f(x))$

Sequence: A212344
Score: 12.3594
Type of gen. func.: lgdogf

$$\frac{2}{(1 - 4 x)^{1/2} (1 + (1 - 4 x)^{1/2})}$$

Sequence: A212344
Score: 17.6563
Type of gen. func.: ogf

$$-25 + 5 f(x) - f(x)^{2} x$$

Sequence: A212344

Score: 7.13042
Type of gen. func.: ogf

$$\{(-4 n - 6) a(n + 1) + (n + 3) a(n + 2), a(0) = 5, a(1) = 5\}$$

Sequence: A212346
Score: 5.42850
Type of gen. func.: ogf

$$\frac{2 x^6 - 5 x^5 + 3 x^4 - x^3 + 4 x^2 - 3 x + 1}{(x - 1)^4}$$

Sequence: A212347
Score: 13.2821
Type of gen. func.: ogf

$$- \frac{2 (2 x^2 - 7 x + 7)}{(x - 1)^5}$$

Sequence: A212347
Score: 16.0575
Type of gen. func.: lgdogf

$$- \frac{-6 x^2 + 24 x - 28}{-2 x^3 + 9 x^2 - 14 x + 7}$$

Sequence: A212347
Score: 5.22257
Type of gen. func.: ogf

$$\{(7 n + 28) a(n + 4) + (-70 - 14 n) a(n + 3) + (42 + 9 n) a(n + 2)$$

$$+ (-2 n - 8) a(n + 1), a(0) = 14, a(1) = 56, a(2) = 144, a(3) = 300\}$$

Sequence: A212350
Score: 2.99573
Type of gen. func.: ogf

$$-(66 f(x) - 167) (-8 x^4 - 4 x^3 + 2 f(x) x - 4 x^2 - f(x) - 4 x + 6)$$

Sequence: A212350
Score: 4.81282
Type of gen. func.: ogf

$$\frac{2 (4 x^4 + 2 x^3 + 2 x^2 + 2 x - 3)}{2 x - 1}$$

Sequence: A212351
Score: 4.73519
Type of gen. func.: ogf

$$\frac{2 (16 x^6 + 4 x^4 + 2 x^2 + 2 x - 3)}{2 x - 1}$$

Sequence: A212369
Score: 4.52692
Type of gen. func.: ogf

$$- (x^{20} - x^{13} + 3 x^{11} - 2 x^{10} + x^4 - 4 x^3 + 6 x^2 - 4 x + 1) / ((x - 1) (x^{22} + x^{21} + x^{20} - 2 x^{13} + 2 x^{12} + 2 x^{11} - 2 x^{10} + x^4 - 4 x^3 + 6 x^2 - 4 x + 1))$$

Sequence: A212383
Score: 14.5961
Type of gen. func.: revogf

$$- \frac{x^4 - x}{-x^3 + x + 1}$$

Sequence: A212384
Score: 15.6652
Type of gen. func.: revogf

$$-\frac{x^5 - x}{-x^4 + x + 1}$$

Sequence: A212385
Score: 14.7836
Type of gen. func.: revogf

$$-\frac{x^6 - x}{-x^5 + x + 1}$$

Sequence: A212386
Score: 15.3153
Type of gen. func.: revogf

$$-\frac{x^7 - x}{-x^6 + x + 1}$$

Sequence: A212387
Score: 15.7813
Type of gen. func.: revogf

$$-\frac{x^8 - x}{-x^7 + x + 1}$$

Sequence: A212388
Score: 15.2989
Type of gen. func.: revogf

$$-\frac{x^9 - x}{-x^8 + x + 1}$$

Sequence: A212389
Score: 15.5338
Type of gen. func.: revogf

$$-\frac{x^{10}-x}{-x^{9}+x+1}$$

Sequence: A212390
Score: 14.7780
Type of gen. func.: revogf

$$-\frac{x^{11}-x}{-x^{10}+x+1}$$

Sequence: A212393
Score: 6.41833
Type of gen. func.: ogf

$$\frac{5x^{8}-18x^{7}-21x^{6}+6x^{5}-4x^{4}+5x^{3}-7x^{2}+4x-1}{(x-1)^{5}}$$

Sequence: A212395
Score: 3.28448
Type of gen. func.: ogf

$$\{(n^{4}+13n^{3}+54n^{2}+92n+56)\,a(n+1)$$

$$+(-2n^{3}-21n^{2}-59n-46)\,a(n+2)+(n^{2}+7n+6)\,a(n+3),\ a(0)=0,$$

$$a(1)=0,\ a(2)=3\}$$

Sequence: A212403
Score: 5.3122
Type of gen. func.: ogf

$$16f(x)^{2}x^{3}-8f(x)^{2}x^{2}+f(x)^{2}x+48f(x)x^{2}-16f(x)x+f(x)+36x-5$$

Sequence: A212403
Score: 7.65208
Type of gen. func.: revogf

$$-\frac{-8 x^{2} + (16 x + 25)^{1/2} - 16 x - 5}{8 (4 x^{2} + 12 x + 9)}$$

Sequence: A212404
Score: 5.10429
Type of gen. func.: ogf

$$-16 f(x)^{2} x^{3} + 8 f(x)^{2} x^{2} - f(x)^{2} x - 80 f(x) x^{2} + 24 f(x) x - 4 x^{2} - f(x) - 95 x + 8$$

Sequence: A212405
Score: 3.8782
Type of gen. func.: ogf

$$-16 f(x)^{2} x^{3} + 8 f(x)^{2} x^{2} + 32 f(x) x^{3} - f(x)^{2} x - 160 f(x) x^{2} - 16 x^{3} + 42 f(x) x + 52 x^{2} - f(x) - 320 x + 13$$

Sequence: A212406
Score: 3.69853
Type of gen. func.: ogf

$$16 f(x)^{2} x^{3} - 8 f(x)^{2} x^{2} - 144 f(x) x^{3} + 4 x^{4} + f(x)^{2} x + 344 f(x) x^{2} + 455 x^{3} - 81 f(x) x - 334 x^{2} + f(x) + 1163 x - 21$$

Sequence: A212415
Score: 14.1878
Type of gen. func.: lgdogf

$$-\frac{8 x + 17}{2}$$

$$2 x + x - 3$$

Sequence: A212415
Score: 4.66579
Type of gen. func.: ogf

{(3 + 3 n) a(n + 3) + (-17 - n) a(n + 2) + (-6 - 2 n) a(n + 1), a(0) = 0,

a(1) = 0, a(2) = 3}

Sequence: A212415
Score: 8.80004
Type of gen. func.: ogf

$$-\frac{x^{2} (2 x + 3)}{(x - 1)^{5}}$$

Sequence: A212427
Score: 14.1231
Type of gen. func.: ogf

$$\frac{x (16 x - 17)}{(x - 1)^{3}}$$

Sequence: A212427
Score: 15.7219
Type of gen. func.: lgdogf

$$-\frac{-32 x + 35}{-16 x^{2} + 33 x - 17}$$

Sequence: A212427
Score: 7.00219
Type of gen. func.: ogf

$$-(67 f(x) - 107757) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x - 16 x^{2} - f(x) + 17 x)$$

Sequence: A212427
Score: 7.37398
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 0, a(1) = 17, a(2) = 35\}$$

Sequence: A212428
Score: 13.8522
Type of gen. func.: ogf

$$\frac{x (17 x - 18)}{(x - 1)^3}$$

Sequence: A212428
Score: 15.4204
Type of gen. func.: lgdogf

$$- \frac{-34 x + 37}{-17 x^2 + 35 x - 18}$$

Sequence: A212428
Score: 6.69903
Type of gen. func.: ogf

$$-(1047 f(x) - 2000719) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 17 x^2 - f(x) + 18 x)$$

Sequence: A212428
Score: 7.23258
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 18, a(2) = 37\}$$

Sequence: A212442
Score: 7.56185
Type of gen. func.: ogf

$$\frac{}{(x^2 + 14 x - 1) (x^2 - 2 x - 1)^3}$$

Sequence: A212442
Score: 7.73771
Type of gen. func.: lgdogf

$$- \frac{-8 x^3 - 88 x^2 + 120 x + 8}{-x^4 - 12 x^3 + 30 x^2 + 12 x - 1}$$

Sequence: A212446
Score: 7.90050
Type of gen. func.: ogf

$$- (x^2 + 1) (x^{26} - x^{25} - x^{24} + x^{23} + x^{22} - x^{21} - x^{20} + x^{19} + x^{18} - x^{17} - x^{16} + x^{15} + x^{14} - x^{13} - x^{12} + x^{11} + x^{10} - 2 x^8 + 2 x^6 - 2 x^4 + 3 x^2 - x - 2) / (x - 1)^2$$

Sequence: A212500
Score: 10.6366
Type of gen. func.: ogf

$$- \frac{4 x^3 + 3 x^2 - 4 x - 1}{5 x^4 - 10 x^2 + 1}$$

Sequence: A212500
Score: 6.26798
Type of gen. func.: ogf

$$-(6820 f(x) - 2671) (5 f(x) x^4 - 10 f(x) x^2 + 4 x^3 + 3 x^2 + f(x) - 4 x - 1)$$

Sequence: A212501
Score: 13.9041

Type of gen. func.: lgdogf

$$-\frac{12x+13}{3x^2-x-2}$$

Sequence: A212501
Score: 4.66579
Type of gen. func.: ogf

$\{(2 + 2n)\, a(n + 3) + (-13 + n)\, a(n + 2) + (-9 - 3n)\, a(n + 1),\ a(0) = 0,$

$a(1) = 0,\ a(2) = 2\}$

Sequence: A212501
Score: 8.80004
Type of gen. func.: ogf

$$-\frac{x^2 (3x + 2)}{(x - 1)^5}$$

Sequence: A212503
Score: 5.38689
Type of gen. func.: ogf

$$-\frac{x (x^2 + x + 1) (x^4 + 6x^3 + 22x^2 + 6x + 1)}{(x + 1)^3 (x - 1)^5}$$

Sequence: A212504
Score: 5.91705
Type of gen. func.: ogf

$$-\frac{x^3 (x^4 + 4x^3 + 14x^2 + 10x + 7)}{(x + 1)^3 (x - 1)^5}$$

Sequence: A212505

Score: 6.08960
Type of gen. func.: ogf

$$-\frac{x^2 (x^2 + 2 x + 3) (3 x^2 + 2 x + 1)}{(x + 1)^3 (x - 1)^5}$$

Sequence: A212506
Score: 5.71700
Type of gen. func.: ogf

$$-\frac{x (4 x^5 + 17 x^4 + 42 x^3 + 30 x^2 + 14 x + 1)}{(x + 1)^3 (x - 1)^5}$$

Sequence: A212507
Score: 6.21413
Type of gen. func.: ogf

$$-\frac{x (2 x + 1) (3 x^3 + 7 x^2 + 7 x + 1)}{(x + 1)^2 (x - 1)^5}$$

Sequence: A212523
Score: 10.6122
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 26 x + 31}{x^3 + 5 x^2 - x - 5}$$

Sequence: A212523
Score: 8.05062
Type of gen. func.: ogf

$$-\frac{x^2 (x + 5) (x + 1)}{(x - 1)^5}$$

Sequence: A212560
Score: 10.6660
Type of gen. func.: lgdogf

$$-\frac{15 x^2 + 34 x + 11}{5 x^3 + x^2 - 5 x - 1}$$

Sequence: A212560
Score: 3.59108
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-1 + 5 n) a(n + 3) + (-35 - n) a(n + 2) + (-15 - 5 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 11, a(3) = 50\}$$

Sequence: A212560
Score: 8.60994
Type of gen. func.: ogf

$$-\frac{x (x + 1) (5 x + 1)}{(x - 1)^5}$$

Sequence: A212561
Score: 7.53091
Type of gen. func.: ogf

$$\frac{x^2 (x^3 + x^2 + 3 x + 1)}{(x + 1)^2 (x - 1)^4}$$

Sequence: A212561
Score: 8.45136
Type of gen. func.: lgdogf

$$-\frac{-3 x^4 - 6 x^3 - 20 x^2 - 14 x - 5}{-x^5 - x^4 - 2 x^3 + 3 x + 1}$$

Sequence: A212562
Score: 6.44188
Type of gen. func.: ogf

$$-\frac{x (x^5 + 10 x^4 + 29 x^3 + 29 x^2 + 12 x + 1)}{(x + 1)^2 (x - 1)^5}$$

Sequence: A212563
Score: 6.88235
Type of gen. func.: ogf

$$-\frac{x (10 x^4 + 27 x^3 + 31 x^2 + 13 x + 1)}{(x + 1)^2 (x - 1)^5}$$

Sequence: A212564
Score: 7.20854
Type of gen. func.: ogf

$$-\frac{x^3 (x^3 + 3 x^2 + 7 x + 3)}{(x + 1)^2 (x - 1)^5}$$

Sequence: A212564
Score: 8.54055
Type of gen. func.: lgdogf

$$-\frac{4 x^4 + 18 x^3 + 54 x^2 + 48 x + 16}{x^5 + 3 x^4 + 6 x^3 - 7 x - 3}$$

Sequence: A212565
Score: 7.27623
Type of gen. func.: ogf

$$x^2 (3 x^3 + 5 x^2 + 5 x + 1)$$

$$-\frac{}{(x+1)^{2}\,(x-1)^{5}}$$

Sequence: A212565
Score: 7.93109
Type of gen. func.: lgdogf

$$-\frac{-12\,x^{4}-34\,x^{3}-54\,x^{2}-32\,x-8}{-3\,x^{5}-5\,x^{4}-2\,x^{3}+4\,x^{2}+5\,x+1}$$

Sequence: A212566
Score: 6.50712
Type of gen. func.: ogf

$$\frac{x^{3}\,(x^{4}-x^{3}+4\,x^{2}+x+1)}{(x^{2}+x+1)^{2}\,(x-1)^{4}}$$

Sequence: A212567
Score: 4.82727
Type of gen. func.: ogf

$$\frac{x^{2}\,(x^{7}+x^{6}+5\,x^{5}+12\,x^{4}+13\,x^{3}+7\,x^{2}+5\,x+2)}{(x+1)^{2}\,(x^{2}+x+1)^{2}\,(x-1)^{4}}$$

Sequence: A212568
Score: 8.09148
Type of gen. func.: ogf

$$-\frac{2\,x^{2}\,(6\,x^{2}+8\,x+1)}{(x+1)\,(x-1)^{5}}$$

Sequence: A212568
Score: 8.38046
Type of gen. func.: lgdogf

$$-\frac{-24x^3-64x^2-50x-12}{-6x^4-8x^3+5x^2+8x+1}$$

Sequence: A212569
Score: 5.48545
Type of gen. func.: ogf

$$-\frac{x(15x^6+36x^5+79x^4+36x^3+25x^2+1)}{(x+1)^3(x-1)^5}$$

Sequence: A212570
Score: 6.96015
Type of gen. func.: ogf

$$\frac{x(x^4+4x^3+10x^2+4x+1)}{(x+1)^2(x-1)^4}$$

Sequence: A212571
Score: 7.06063
Type of gen. func.: ogf

$$-\frac{4x^2(3x^3+8x^2+6x+2)}{(x+1)^2(x-1)^5}$$

Sequence: A212571
Score: 7.82961
Type of gen. func.: lgdogf

$$-\frac{12x^4+49x^3+69x^2+48x+12}{3x^5+8x^4+3x^3-6x^2-6x-2}$$

Sequence: A212572
Score: 6.46471
Type of gen. func.: ogf

$$\frac{x\,(x^5 - 9\,x^4 - 26\,x^3 - 30\,x^2 - 11\,x - 1)}{(x + 1)^2\,(x - 1)^5}$$

Sequence: A212573
Score: 6.14165
Type of gen. func.: ogf

$$-\frac{2\,x^2\,(x^4 + 2\,x^3 + 4\,x^2 + 2\,x + 1)}{(x + 1)^2\,(x - 1)^5}$$

Sequence: A212574
Score: 5.78650
Type of gen. func.: ogf

$$-\frac{x\,(x^5 + x^4 + 2\,x^3 + 10\,x^2 + 5\,x + 1)}{(x + 1)^2\,(x - 1)^5}$$

Sequence: A212575
Score: 4.60209
Type of gen. func.: ogf

$$\frac{x\,(x^8 + 4\,x^7 + 15\,x^6 + 32\,x^5 + 44\,x^4 + 32\,x^3 + 15\,x^2 + 4\,x + 1)}{(x + 1)^2\,(x^2 + x + 1)^2\,(x - 1)^4}$$

Sequence: A212577
Score: 5.19078
Type of gen. func.: ogf

$$\frac{x\,(x^6 + 2\,x^5 + 10\,x^4 + 14\,x^3 + 10\,x^2 + 2\,x + 1)}{(x^2 + x + 1)^2\,(x - 1)^4}$$

Sequence: A212578
Score: 7.15497
Type of gen. func.: ogf

$$\frac{x (x^4 + 2 x^3 + 4 x^2 + 2 x + 1)}{(x + 1)^2 (x - 1)^4}$$

Sequence: A212579
Score: 5.19654
Type of gen. func.: ogf

$$\frac{x (7 x^6 + 25 x^5 + 39 x^4 + 34 x^3 + 21 x^2 + 7 x + 1)}{(x^2 + x + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A212584
Score: 10.1511
Type of gen. func.: ogf

$$-\frac{x^5 - x^3 - 1}{(x - 1) (x + 1) (x^4 + x - 1)}$$

Sequence: A212585
Score: 7.69494
Type of gen. func.: ogf

$$\frac{x^8 - 2 x^7 + 3 x^5 - 2 x^3 - x - 1}{(x^4 + x - 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A212586
Score: 8.99664
Type of gen. func.: ogf

5   3   2

$$-\frac{x - x - x - 1}{(x-1)(x+1)(x^4+2x-1)}$$

Sequence: A212587
Score: 5.99338
Type of gen. func.: ogf

$$\frac{(3x^4-2x^3-2x^2-2x-1)(x^4+1)}{(x^4+2x-1)(x-1)^2(x+1)^2}$$

Sequence: A212588
Score: 3.10578
Type of gen. func.: ogf

$$-\frac{x^4-x^3-1}{(x-1)(x+1)(x^3-x^2+2x-1)}$$

Sequence: A212589
Score: 6.90050
Type of gen. func.: ogf

$$\frac{(x^3-x^2+1)(x^4-2x^2-1)}{(x+1)(x^3-x^2+2x-1)(x-1)^2}$$

Sequence: A212592
Score: 7.38128
Type of gen. func.: ogf

$$-\frac{6x^5+5x^4-20x^3-10x^2+6x+1}{7x^6-35x^4+21x^2-1}$$

Sequence: A212593
Score: 5.28798

Type of gen. func.: ogf

$$- \frac{8 x^{7} + 7 x^{6} - 56 x^{5} - 35 x^{4} + 56 x^{3} + 21 x^{2} - 8 x - 1}{(3 x^{2} - 1) (3 x^{6} - 27 x^{4} + 33 x^{2} - 1)}$$

Sequence: A212594
Score: 4.46049
Type of gen. func.: ogf

$$- (10 x^{9} + 9 x^{8} - 120 x^{7} - 84 x^{6} + 252 x^{5} + 126 x^{4} - 120 x^{3} - 36 x^{2} + 10 x + 1) \Big/ (11 x^{10} - 165 x^{8} + 462 x^{6} - 330 x^{4} + 55 x^{2} - 1)$$

Sequence: A212596
Score: 12.3328
Type of gen. func.: ogf

$$- \frac{12 (12 x - 1)}{(20 x - 1) (8 x - 1)}$$

Sequence: A212596
Score: 6.4181
Type of gen. func.: ogf

$$-(41 f(x) + 276) (160 f(x) x^{2} - 28 f(x) x + f(x) + 144 x - 12)$$

Sequence: A212596
Score: 7.14742
Type of gen. func.: ogf

$$\{a(n + 2) - 28 a(n + 1) + 160 a(n), a(0) = 12, a(1) = 192\}$$

Sequence: A212596
Score: 8.27596
Type of gen. func.: lgdogf

^{2}

$$-\frac{-1920 x + 320 x - 16}{-1920 x^{3} + 496 x^{2} - 40 x + 1}$$

Sequence: A212598
Score: 13.5549
Type of gen. func.: ogf

$$\frac{x^{2} (18 x^{22} - 18 x^{21} + 4 x^{4} - 4 x^{3} + 1)}{(x - 1)^{2}}$$

Sequence: A212656
Score: 14.6385
Type of gen. func.: lgdogf

$$-\frac{-6 x^{2} - 18 x - 6}{-6 x^{3} + 3 x^{2} + 2 x + 1}$$

Sequence: A212656
Score: 15.5984
Type of gen. func.: ogf

$$-\frac{6 x^{2} + 3 x + 1}{(x - 1)^{3}}$$

Sequence: A212656
Score: 8.27393
Type of gen. func.: ogf

$$(148 f(x) - 445) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 6 x^{2} - f(x) + 3 x + 1)$$

Sequence: A212656
Score: 8.42038
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 6, a(2) = 21\}$

Sequence: A212668
Score: 10.4464
Type of gen. func.: ogf

$$-\frac{x^3 + 5 x^2 - 29 x - 9}{(x - 1)^4}$$

Sequence: A212668
Score: 4.13614
Type of gen. func.: ogf

$$\{(-37 n^2 - 32 n + 84) a(n + 1) + (954 n^2 + 7878 n + 16425) a(n + 2)$$
$$+ (-917 n^2 - 5206 n - 7365) a(n + 3), a(0) = 9, a(1) = 65, a(2) = 201\}$$

Sequence: A212668
Score: 5.58095
Type of gen. func.: ogf

$$(5524 f(x) + 193729)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + x^3 - 4 f(x) x + 5 x^2 + f(x) - 29 x - 9)$$

Sequence: A212668
Score: 9.58612
Type of gen. func.: lgdogf

$$-\frac{-x^3 - 13 x^2 + 77 x + 65}{-x^4 - 4 x^3 + 34 x^2 - 20 x - 9}$$

Sequence: A212669
Score: 7.20805
Type of gen. func.: ogf

$$4 \quad 3 \quad 2$$

```
                       2 (x  + 4 x  + 126 x  + 116 x + 9)
                       ----------------------------------
                                           6
                                    (x - 1)
```

Sequence: A212669
Score: 7.27479
Type of gen. func.: lgdogf

```
                          4       3        2
                       2 x  + 16 x  + 516 x  + 832 x + 170
                    - --------------------------------------
                       5      4        3       2
                      x  + 3 x  + 122 x  - 10 x  - 107 x - 9
```

Sequence: A212670
Score: 6.62046
Type of gen. func.: ogf

```
                     5      4       3        2
                    x  + 7 x  - 22 x  + 558 x  + 453 x + 27
                    ---------------------------------------
                                          6
                                   (x - 1)
```

Sequence: A212673
Score: 8.22692
Type of gen. func.: ogf

```
                                 2     2
                              2 x  (4 x  + 7 x + 4)
                            - ---------------------
                                               5
                                (x + 1) (x - 1)
```

Sequence: A212673
Score: 9.30941
Type of gen. func.: lgdogf

```
                                 3       2
                            -16 x  - 51 x  - 60 x - 23
                          - --------------------------
                                  4      3
                              -4 x  - 7 x  + 7 x + 4
```

Sequence: A212674
Score: 7.18401

Type of gen. func.: ogf

$$-\frac{x\,(x^4 + 4\,x^3 + 8\,x^2 + 4\,x + 1)}{(x + 1)\,(x - 1)^5}$$

Sequence: A212675
Score: 7.82177
Type of gen. func.: ogf

$$-\frac{x\,(x^4 + 6\,x^2 + 10\,x + 1)}{(x + 1)\,(x - 1)^5}$$

Sequence: A212676
Score: 7.20653
Type of gen. func.: ogf

$$\frac{x^2\,(x^3 + 4\,x^2 + 7\,x + 1)}{(x + 1)^2\,(x - 1)^4}$$

Sequence: A212677
Score: 7.20653
Type of gen. func.: ogf

$$\frac{x^2\,(2\,x^3 + 3\,x^2 + 4\,x + 1)}{(x^2 + x + 1)\,(x - 1)^4}$$

Sequence: A212678
Score: 5.63361
Type of gen. func.: ogf

$$\frac{x^4\,(2\,x^4 + 6\,x^3 + 9\,x^2 + 9\,x + 5)}{(x + 1)\,(x^2 + x + 1)^2\,(x - 1)^4}$$

Sequence: A212679
Score: 6.81353
Type of gen. func.: ogf

$$\frac{x\,(3\,x^4+10\,x^3+16\,x^2+6\,x+1)}{(x+1)^2\,(x-1)^4}$$

Sequence: A212680
Score: 7.00700
Type of gen. func.: ogf

$$\frac{2\,x^2\,(x+2)\,(3\,x^2+2\,x+1)}{(x+1)^2\,(x-1)^4}$$

Sequence: A212681
Score: 5.77744
Type of gen. func.: ogf

$$-\frac{2\,x^2\,(x^4+5\,x^3+10\,x^2+6\,x+2)}{(x+1)^2\,(x-1)^5}$$

Sequence: A212682
Score: 5.80996
Type of gen. func.: ogf

$$\frac{x\,(x^5-3\,x^4-14\,x^3-22\,x^2-9\,x-1)}{(x+1)^2\,(x-1)^5}$$

Sequence: A212683
Score: 28.6257
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2+x+4$$

Sequence: A212683
Score: 8.47568
Type of gen. func.: ogf

$$\frac{2 x^2 (x^2 + x + 1)}{(x + 1) (x - 1)^4}$$

Sequence: A212683
Score: 9.86895
Type of gen. func.: lgdogf

$$- \frac{-3 x^3 - 7 x^2 - 10 x - 4}{-x^4 - x^3 + x + 1}$$

Sequence: A212684
Score: 7.54082
Type of gen. func.: lgdogf

$$- \frac{-2 x^4 + 6 x^3 + 18 x^2 + 20 x + 6}{-x^5 + 3 x^4 + 4 x^3 - 2 x^2 - 3 x - 1}$$

Sequence: A212684
Score: 8.30337
Type of gen. func.: ogf

$$- \frac{x (x^3 - 3 x^2 - 3 x - 1)}{(x + 1) (x - 1)^4}$$

Sequence: A212685
Score: 8.57466
Type of gen. func.: ogf

$$x^2 (x^2 + x + 2)$$

$$(x + 1) (x - 1)^4$$

Sequence: A212685
Score: 8.99810
Type of gen. func.: lgdogf

$$- \frac{-3 x^3 - 7 x^2 - 15 x - 7}{-x^4 - x^3 - x^2 + x + 2}$$

Sequence: A212686
Score: 12.1474
Type of gen. func.: lgdogf

$$- \frac{4 x^3 + 2 x^2 + 8 x + 2}{x^4 - 1}$$

Sequence: A212686
Score: 24.9706
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^3 + 3 x + 2]$$

Sequence: A212686
Score: 8.57466
Type of gen. func.: ogf

$$\frac{4 x^2 (x^2 + 1)}{(x + 1)^2 (x - 1)^4}$$

Sequence: A212687
Score: 5.65924
Type of gen. func.: ogf

$$x (x^5 + 13 x^4 + 28 x^3 + 32 x^2 + 9 x + 1)$$

$$- \frac{}{(x + 1)^2 (x - 1)^5}$$

Sequence: A212688
Score: 6.93582
Type of gen. func.: ogf

$$- \frac{2 x^2 (3 x^2 + x + 2)}{(x + 1)^2 (x - 1)^5}$$

Sequence: A212688
Score: 8.43998
Type of gen. func.: lgdogf

$$- \frac{-15 x^3 - 15 x^2 - 23 x - 7}{-3 x^4 - x^3 + x^2 + x + 2}$$

Sequence: A212689
Score: 7.09510
Type of gen. func.: ogf

$$- \frac{2 x^3 (2 x^2 + x + 3)}{(x + 1)^2 (x - 1)^5}$$

Sequence: A212689
Score: 8.53101
Type of gen. func.: lgdogf

$$- \frac{-10 x^3 - 12 x^2 - 28 x - 10}{-2 x^4 - x^3 - x^2 + x + 3}$$

Sequence: A212690
Score: 5.65924
Type of gen. func.: ogf

$$-\frac{x\,(x^5 + 9\,x^4 + 32\,x^3 + 28\,x^2 + 13\,x + 1)}{(x + 1)^2\,(x - 1)^5}$$

Sequence: A212691
Score: 3.77099
Type of gen. func.: ogf

$$\{(-n^3 - 7\,n^2 - 16\,n - 12)\,a(n + 1) + (-n^2 - 3\,n)\,a(n + 2)$$
$$+ (n^3 + 2\,n^2 + n)\,a(n + 3),\ a(0) = 0,\ a(1) = 0,\ a(2) = 2,\ a(3) = 8\}$$

Sequence: A212691
Score: 6.19977
Type of gen. func.: ogf

$$\frac{2\,x^2\,(x^4 + 3\,x^3 + 6\,x^2 + 3\,x + 1)}{(x + 1)^3\,(x - 1)^4}$$

Sequence: A212692
Score: 11.1225
Type of gen. func.: lgdogf

$$-\frac{8\,x^2 + 21\,x + 11}{2\,x^3 + 3\,x^2 - 2\,x - 3}$$

Sequence: A212692
Score: 4.34371
Type of gen. func.: ogf

$$\{(5\,n^2 + 29\,n + 42)\,a(n + 1) + (33 + 15\,n)\,a(n + 2)$$
$$+ (-5\,n^2 - 14\,n - 9)\,a(n + 3),\ a(0) = 0,\ a(1) = 0,\ a(2) = 6\}$$

Sequence: A212692
Score: 9.53360
Type of gen. func.: ogf

$$\frac{2 x^2 (2 x + 3)}{(x + 1) (x - 1)^4}$$

Sequence: A212697
Score: 23.1029
Type of gen. func.: ogf

$$\frac{2}{(3 x - 1)^2}$$

Sequence: A212697
Score: 27.2284
Type of gen. func.: lgdogf

$$\frac{6}{-3 x + 1}$$

Sequence: A212697
Score: 9.18548
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 9 a(n), a(0) = 2, a(1) = 12\}$$

Sequence: A212697
Score: 9.29749
Type of gen. func.: ogf

$$(5 f(x) + 22) (9 f(x) x^2 - 6 f(x) x + f(x) - 2)$$

Sequence: A212698
Score: 20.5651
Type of gen. func.: ogf

$$\frac{3}{(4 x - 1)^2}$$

Sequence: A212698
Score: 24.9719
Type of gen. func.: lgdogf

$$\frac{8}{1 - 4 x}$$

Sequence: A212698
Score: 8.32398
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 16 a(n), a(0) = 3, a(1) = 24\}$$

Sequence: A212698
Score: 8.42428
Type of gen. func.: ogf

$$(5 f(x) + 33) (16 f(x) x^2 - 8 f(x) x + f(x) - 3)$$

Sequence: A212699
Score: 16.8617
Type of gen. func.: ogf

$$\frac{4}{(5 x - 1)^2}$$

Sequence: A212699
Score: 20.3503
Type of gen. func.: lgdogf

$$\frac{10}{-5 x + 1}$$

Sequence: A212699
Score: 6.94305
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 25 a(n), a(0) = 4, a(1) = 40\}$$

Sequence: A212699
Score: 7.02571
Type of gen. func.: ogf

$$(5 f(x) + 44) (25 f(x) x^2 - 10 f(x) x + f(x) - 4)$$

Sequence: A212700
Score: 14.6170
Type of gen. func.: ogf

$$\frac{5}{(6 x - 1)^2}$$

Sequence: A212700
Score: 17.6412
Type of gen. func.: lgdogf

$$\frac{12}{-6 x + 1}$$

Sequence: A212700
Score: 6.01876
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 36 a(n), a(0) = 5, a(1) = 60\}$$

Sequence: A212700
Score: 6.09043
Type of gen. func.: ogf

$$(f(x) + 11) (36 f(x) x^2 - 12 f(x) x + f(x) - 5)$$

Sequence: A212701
Score: 19.3439
Type of gen. func.: ogf

$$\frac{6}{(7 x - 1)^{2}}$$

Sequence: A212701
Score: 23.3460
Type of gen. func.: lgdogf

$$\frac{14}{-7 x + 1}$$

Sequence: A212701
Score: 7.96512
Type of gen. func.: ogf

$$\{-a(n + 2) + 14 a(n + 1) - 49 a(n), a(0) = 6, a(1) = 84\}$$

Sequence: A212701
Score: 8.05995
Type of gen. func.: ogf

$$(5 f(x) + 66) (49 f(x) x^{2} - 14 f(x) x + f(x) - 6)$$

Sequence: A212702
Score: 20.6277
Type of gen. func.: ogf

$$\frac{7}{(8 x - 1)^{2}}$$

Sequence: A212702
Score: 24.8956
Type of gen. func.: lgdogf

$$\frac{16}{-8 x + 1}$$

Sequence: A212702
Score: 8.39501
Type of gen. func.: ogf

$$\{-a(n + 2) + 16 a(n + 1) - 64 a(n), a(0) = 7, a(1) = 112\}$$

Sequence: A212702
Score: 8.5949
Type of gen. func.: ogf

$$(5 f(x) + 77) (64 f(x) x^2 - 16 f(x) x + f(x) - 7)$$

Sequence: A212703
Score: 19.3492
Type of gen. func.: ogf

$$\frac{8}{(9 x - 1)^2}$$

Sequence: A212703
Score: 23.3524
Type of gen. func.: lgdogf

$$\frac{18}{-9 x + 1}$$

Sequence: A212703
Score: 7.87466
Type of gen. func.: ogf

$$\{-a(n + 2) + 18 a(n + 1) - 81 a(n), a(0) = 8, a(1) = 144\}$$

Sequence: A212703

Score: 8.06215
Type of gen. func.: ogf

$$(5 f(x) + 88) (81 f(x) x^2 - 18 f(x) x + f(x) - 8)$$

Sequence: A212704
Score: 17.3422
Type of gen. func.: ogf

$$\frac{9}{(10 x - 1)^2}$$

Sequence: A212704
Score: 20.8107
Type of gen. func.: lgdogf

$$\frac{20}{-10 x + 1}$$

Sequence: A212704
Score: 7.17609
Type of gen. func.: ogf

$$\{-a(n + 2) + 20 a(n + 1) - 100 a(n), a(0) = 9, a(1) = 180\}$$

Sequence: A212704
Score: 7.34494
Type of gen. func.: ogf

$$(5 f(x) + 99) (100 f(x) x^2 - 20 f(x) x + f(x) - 9)$$

Sequence: A212705
Score: 3.81553
Type of gen. func.: ogf

$$- \frac{2 (x^6 - 34 x^5 - 1373 x^4 - 7308 x^3 - 7273 x^2 - 1394 x - 27)}{(x - 1)^8}$$

Sequence: A212706
Score: 4.60135
Type of gen. func.: ogf

$$- \frac{x^7 + 9 x^6 - 171 x^5 - 4883 x^4 - 29917 x^3 - 29413 x^2 - 5177 x - 81}{(x - 1)^8}$$

Sequence: A212714
Score: 27.8081
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + x + 5$$

Sequence: A212714
Score: 8.24139
Type of gen. func.: ogf

$$- \frac{2 x^2 (x^2 + x + 1)}{(x + 1) (x - 1)^5}$$

Sequence: A212714
Score: 9.59614
Type of gen. func.: lgdogf

$$- \frac{-4 x^3 - 9 x^2 - 12 x - 5}{-x^4 - x^3 + x + 1}$$

Sequence: A212740
Score: 6.58064
Type of gen. func.: ogf

$$- \frac{x (x^2 + 1) (x^4 + 10 x^2 + 1)}{{}^{3} \qquad {}^{5}}$$

$$(x + 1)\ (x - 1)$$

Sequence: A212741
Score: 5.05335
Type of gen. func.: ogf

$$\frac{x^7 - x^6 - 3\,x^5 - 47\,x^4 - 57\,x^3 - 47\,x^2 - 13\,x - 1}{(x + 1)^3\ (x - 1)^5}$$

Sequence: A212742
Score: 6.78313
Type of gen. func.: ogf

$$- \frac{(x^2 + 1)\ (x^4 + 10\,x^2 + 1)}{(x + 1)^3\ (x - 1)^5}$$

Sequence: A212743
Score: 5.83739
Type of gen. func.: ogf

$$- \frac{2\,x\ (7\,x^4 + 18\,x^3 + 34\,x^2 + 18\,x + 7)}{(x + 1)^3\ (x - 1)^5}$$

Sequence: A212744
Score: 6.41171
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)\ (x^4 + 6\,x^3 + 16\,x^2 + 6\,x + 1)}{(x + 1)^3\ (x - 1)^4}$$

Sequence: A212745
Score: 4.64026
Type of gen. func.: ogf

$$\frac{(x + 1) (x^8 + 6 x^7 + 13 x^6 + 40 x^5 + 18 x^4 + 40 x^3 + 13 x^2 + 6 x + 1)}{(x^2 + x + 1)^3 (x - 1)^4}$$

Sequence: A212746
Score: 6.12647
Type of gen. func.: ogf

$$\frac{15 x^6 + 50 x^5 + 115 x^4 + 104 x^3 + 61 x^2 + 14 x + 1}{(x + 1)^3 (x - 1)^4}$$

Sequence: A212747
Score: 8.16527
Type of gen. func.: ogf

$$\frac{x^4 + 4 x^2 + 1}{(x^2 + 1) (x - 1)^4}$$

Sequence: A212748
Score: 6.34304
Type of gen. func.: ogf

$$\frac{3 x^5 - 3 x^4 - 6 x^3 + 10 x^2 + 3 x + 1}{(x + 1)^3 (x - 1)^4}$$

Sequence: A212749
Score: 5.67466
Type of gen. func.: ogf

$$- \frac{12 x^5 + 37 x^4 + 60 x^3 + 40 x^2 + 12 x + 1}{(x + 1)^3 (x - 1)^5}$$

Sequence: A212750

Score: 5.69266

Type of gen. func.: ogf

$$-\frac{6x^5+37x^4+50x^3+42x^2+12x+1}{(x+1)^3(x-1)^5}$$

Sequence: A212751

Score: 5.78092

Type of gen. func.: ogf

$$\frac{12x^5-25x^4-36x^3-40x^2-12x-1}{(x+1)^3(x-1)^5}$$

Sequence: A212752

Score: 5.52226

Type of gen. func.: ogf

$$-\frac{x(x^5+14x^4+46x^3+68x^2+43x+14)}{(x+1)^3(x-1)^5}$$

Sequence: A212753

Score: 7.02869

Type of gen. func.: lgdogf

$$-\frac{-3x^4-52x^3-156x^2-180x-69}{-x^5-12x^4-20x^3+21x+12}$$

Sequence: A212753

Score: 7.48709

Type of gen. func.: ogf

$$-\frac{x(x^3+12x^2+21x+12)}{(x+1)(x-1)^5}$$

Sequence: A212754
Score: 7.53094
Type of gen. func.: ogf

$$-\frac{x\,(x^3 + 12\,x^2 + 21\,x + 8)}{(x + 1)\,(x - 1)^5}$$

Sequence: A212755
Score: 3.64842
Type of gen. func.: ogf

$$\{(25\,n^2 + 218\,n + 429)\,a(n + 1) + (-62\,n^2 - 460\,n - 762)\,a(n + 2)$$
$$+ (37\,n^2 + 194\,n + 249)\,a(n + 3),\ a(0) = 1,\ a(1) = 10,\ a(2) = 37\}$$

Sequence: A212755
Score: 8.00976
Type of gen. func.: ogf

$$-\frac{x^3 - 3\,x^2 + 5\,x + 1}{(x - 1)^5}$$

Sequence: A212755
Score: 8.49816
Type of gen. func.: lgdogf

$$-\frac{-2\,x^3 + 6\,x^2 - 14\,x - 10}{-x^4 + 4\,x^3 - 8\,x^2 + 4\,x + 1}$$

Sequence: A212756
Score: 3.86547
Type of gen. func.: ogf

$$(3\,x^{10} + 15\,x^9 + 46\,x^8 + 87\,x^7 + 125\,x^6 + 133\,x^5 + 108\,x^4 + 61\,x^3 + 25\,x^2 + 6\,x$$

$$+ 1) \Big/ \left((x + 1)^{3} (x^{2} + x + 1)^{3} (x - 1)^{4}\right)$$

Sequence: A212757
Score: 3.90800
Type of gen. func.: ogf

$$\frac{19 x^{8} + 38 x^{7} + 43 x^{6} + 52 x^{5} + 68 x^{4} + 40 x^{3} + 13 x^{2} + 2 x + 1}{(x + 1)^{2} (x^{2} + x + 1)^{3} (x - 1)^{4}}$$

Sequence: A212758
Score: 5.24495
Type of gen. func.: ogf

$$\frac{7 x^{7} + 19 x^{6} + 18 x^{5} + 40 x^{4} + 34 x^{3} + 12 x^{2} + 7 x + 1}{(x^{2} + x + 1)^{3} (x - 1)^{4}}$$

Sequence: A212759
Score: 4.91168
Type of gen. func.: ogf

$$- \frac{2 x^{6} + x^{5} + 21 x^{4} + 4 x^{3} + 18 x^{2} + x + 1}{(x + 1)^{4} (x - 1)^{5}}$$

Sequence: A212760
Score: 7.57839
Type of gen. func.: ogf

$$\frac{x^{4} + 2 x^{3} + 6 x^{2} + 2 x + 1}{(x + 1)^{3} (x - 1)^{4}}$$

Sequence: A212760
Score: 7.72005
Type of gen. func.: lgdogf

$$-\frac{3x^5+9x^4+36x^3+24x^2+21x+3}{x^6+2x^5+5x^4-5x^2-2x-1}$$

Sequence: A212761
Score: 5.15846
Type of gen. func.: ogf

$$-\frac{2x(x^5+2x^4+9x^3+6x^2+5x+1)}{(x+1)^4(x-1)^5}$$

Sequence: A212762
Score: 5.10687
Type of gen. func.: ogf

$$-\frac{2x(x^5+5x^4+6x^3+9x^2+2x+1)}{(x+1)^4(x-1)^5}$$

Sequence: A212763
Score: 4.86369
Type of gen. func.: ogf

$$-\frac{x(x^6+x^5+18x^4+4x^3+21x^2+x+2)}{(x+1)^4(x-1)^5}$$

Sequence: A212764
Score: 5.14007
Type of gen. func.: ogf

$$-\frac{x(x^5+x^4+10x^3+4x^2+7x+1)}{(x+1)^4(x-1)^5}$$

Sequence: A212765
Score: 5.33606
Type of gen. func.: ogf

$$-\frac{x\,(x^5+7\,x^4+4\,x^3+10\,x^2+x+1)}{(x+1)^4\,(x-1)^5}$$

Sequence: A212766
Score: 5.97666
Type of gen. func.: ogf

$$-\frac{2\,x\,(2\,x^4+5\,x^3+10\,x^2+5\,x+2)}{(x+1)^3\,(x-1)^5}$$

Sequence: A212767
Score: 7.20798
Type of gen. func.: ogf

$$\frac{x^4+2\,x^3+4\,x^2+1}{(x+1)^3\,(x-1)^4}$$

Sequence: A212772
Score: 10.1074
Type of gen. func.: ogf

$$\frac{3\,x^5-2\,x^4+2\,x^3-2\,x+1}{(x+1)\,(x^2+1)\,(x-1)^4}$$

Sequence: A212776
Score: 4.89667
Type of gen. func.: ogf

$$(f(x)-5)\,(2\,f(x)\,x^4+3\,f(x)\,x^3+2\,f(x)\,x^2+9\,x^3+f(x)\,x+17\,x^2-f(x)$$

$$+\,16\,x+11)$$

Sequence: A212776
Score: 8.56919
Type of gen. func.: ogf

$$-\frac{9x^3+17x^2+16x+11}{2x^4+3x^3+2x^2+x-1}$$

Sequence: A212777
Score: 6.68691
Type of gen. func.: ogf

$$-\frac{32x^4+41x^3-12x^2-43x-28}{4x^5+4x^4-3x^3-5x^2-2x+1}$$

Sequence: A212778
Score: 4.05936
Type of gen. func.: ogf

$$-\frac{25x^7+68x^6-47x^5-234x^4-288x^3-238x^2-140x-56}{2x^8+5x^7-5x^6-18x^5-19x^4-14x^3-7x^2-2x+1}$$

Sequence: A212783
Score: 5.31350
Type of gen. func.: ogf

$$-\frac{2x^6+9x^5+29x^4+42x^3+40x^2+17x+5}{(x^2+x+1)(x+1)^2(x-1)^5}$$

Sequence: A212790
Score: 7.15035
Type of gen. func.: ogf

$$x^3(20x^9-21x^8-4x^7+2x^6+2x^5-2x^4+2x^3+x^2-2)$$

$$-\frac{}{(x - 1)^2}$$

Sequence: A212804
Score: 14.8753
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 1, a(1) = 0\}$$

Sequence: A212804
Score: 19.1254
Type of gen. func.: ogf

$$f(x) x^2 + f(x) x - f(x) - x + 1$$

Sequence: A212804
Score: 23.1712
Type of gen. func.: lgdogf

$$-\frac{-x^2 + 2 x}{-x^3 + 2 x - 1}$$

Sequence: A212804
Score: 26.7756
Type of gen. func.: ogf

$$\frac{x - 1}{x^2 + x - 1}$$

Sequence: A212823
Score: 10.5092
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^2 + x - 1)}{2 x^2 + 2 x - 1}$$

Sequence: A212823
Score: 6.09912
Type of gen. func.: ogf

```
                          4           2      3               2
      -(41 f(x) - 124) (-x  + 2 f(x) x  - 2 x  + 2 f(x) x - x  - f(x) + 1)
```

Sequence: A212824
Score: 6.31028
Type of gen. func.: ogf

```
                     2            4      3      2
                   (x  + x + 1) (x  + 2 x  - 2 x  - 3 x + 1)
                   -----------------------------------------
                             2              2
                         (3 x  + 3 x - 1) (x  + x - 1)
```

Sequence: A212825
Score: 4.54007
Type of gen. func.: ogf

```
                2              6      5       3      2
              (x  + x + 1) (3 x  + 9 x  - 15 x  - 3 x  + 6 x - 1)
              ---------------------------------------------------
                    2              2              2
                (2 x  + 2 x - 1) (x  + x - 1) (4 x  + 4 x - 1)
```

Sequence: A212826
Score: 3.55194
Type of gen. func.: ogf

```
  2               8       7       6       5       4       3       2
(x  + x + 1) (11 x  + 44 x  + 29 x  - 67 x  - 68 x  + 27 x  + 22 x  - 10 x + 1)

       /      2                2              2              2
      /  ((2 x  + 2 x - 1) (5 x  + 5 x - 1) (x  + x - 1) (3 x  + 3 x - 1))
     /
```

Sequence: A212831
Score: 12.1485
Type of gen. func.: ogf

```
                                4      2
                            x (x  + 2 x  + 2 x + 1)
                           --------------------------
                             2             2        2
```

$$(x + 1) (x - 1) (x + 1)$$

Sequence: A212832
Score: 10.5201
Type of gen. func.: lgdogf

$$-\frac{-10 x^3 + 23 x^2 - 16 x}{5 x^4 - 13 x^3 + 10 x^2 - 4 x + 2}$$

Sequence: A212832
Score: 13.9693
Type of gen. func.: ogf

$$5 x^3 - f(x) x - 8 x^2 + f(x) + 2 x - 2$$

Sequence: A212832
Score: 16.0779
Type of gen. func.: ogf

$$\frac{5 x^3 - 8 x^2 + 2 x - 2}{x - 1}$$

Sequence: A212832
Score: 8.96978
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 3), a(0) = 2, a(1) = 0, a(2) = 8, a(3) = 3\}$$

Sequence: A212834
Score: 12.2380
Type of gen. func.: ogf

$$-\frac{2 (24 x + 31)}{6 x^2 + 7 x - 1}$$

Sequence: A212834
Score: 6.11898
Type of gen. func.: ogf

$$(2059 f(x) - 11496) (6 f(x) x^2 + 7 f(x) x - f(x) + 48 x + 62)$$

Sequence: A212834
Score: 6.76687
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) - 6 a(n), a(0) = 62, a(1) = 482\}$$

Sequence: A212834
Score: 7.46992
Type of gen. func.: lgdogf

$$- \frac{-144 x^2 - 372 x - 241}{-144 x^3 - 354 x^2 - 193 x + 31}$$

Sequence: A212836
Score: 10.4173
Type of gen. func.: ogf

$$\frac{x^3 - 6 x^2 + 9 x + 2}{(x - 1)^4}$$

Sequence: A212836
Score: 4.26665
Type of gen. func.: ogf

$$\{(7 n^2 + 37 n + 46) a(n + 1) + (-32 n^2 - 224 n - 388) a(n + 2)$$

$$+ (25 n^2 + 133 n + 174) a(n + 3), a(0) = 2, a(1) = 17, a(2) = 50\}$$

Sequence: A212836
Score: 5.57036

Type of gen. func.: ogf

$$(1556 f(x) + 16913)$$

$$(f(x)\, x^4 - 4 f(x)\, x^3 + 6 f(x)\, x^2 - x^3 - 4 f(x)\, x + 6 x^2 + f(x) - 9 x - 2)$$

Sequence: A212836
Score: 9.66423
Type of gen. func.: lgdogf

$$-\frac{-x^3 + 9 x^2 - 15 x - 17}{-x^4 + 7 x^3 - 15 x^2 + 7 x + 2}$$

Sequence: A212837
Score: 7.02730
Type of gen. func.: lgdogf

$$-\frac{x^4 - 2 x^3 - 30 x^2 + 110 x + 41}{x^5 - 4 x^4 - 4 x^3 + 38 x^2 - 29 x - 2}$$

Sequence: A212837
Score: 7.46651
Type of gen. func.: ogf

$$-\frac{x^4 - 3 x^3 - 7 x^2 + 31 x + 2}{(x - 1)^5}$$

Sequence: A212838
Score: 6.30395
Type of gen. func.: ogf

$$-\frac{x^5 - 12 x^4 + 50 x^3 - 70 x^2 - 87 x - 2}{(x - 1)^6}$$

Sequence: A212839
Score: 4.98298
Type of gen. func.: ogf

$$\frac{x^6 - 9 x^5 + 12 x^4 + 130 x^3 - 627 x^2 - 225 x - 2}{(x - 1)^7}$$

Sequence: A212840
Score: 3.92430
Type of gen. func.: ogf

$$\frac{x^7 - 18 x^6 + 151 x^5 - 682 x^4 + 1543 x^3 + 3482 x^2 + 561 x + 2}{(x - 1)^8}$$

Sequence: A212841
Score: 3.32734
Type of gen. func.: ogf

$$- \frac{x^8 - 23 x^7 + 179 x^6 - 563 x^5 - 551 x^4 + 23723 x^3 + 16177 x^2 + 1375 x + 2}{(x - 1)^9}$$

Sequence: A212850
Score: 10.5386
Type of gen. func.: ogf

$$- \frac{9 x + 1}{(x - 1) (6 x - 1) (3 x - 1)}$$

Sequence: A212850
Score: 5.00135
Type of gen. func.: ogf

$\{a(n + 3) - 10 a(n + 2) + 27 a(n + 1) - 18 a(n), a(0) = 1, a(1) = 19,$

$a(2) = 163\}$

Sequence: A212850
Score: 5.17684
Type of gen. func.: ogf

$$(28750 f(x) - 28889) (18 f(x) x^3 - 27 f(x) x^2 + 10 f(x) x - f(x) + 9 x + 1)$$

Sequence: A212850
Score: 6.48526
Type of gen. func.: lgdogf

$$- \frac{324 x^3 - 189 x^2 - 54 x + 19}{162 x^4 - 225 x^3 + 63 x^2 + x - 1}$$

Sequence: A212851
Score: 4.87449
Type of gen. func.: ogf

$$\frac{3744 x^3 + 216 x^2 - 164 x - 1}{(x - 1) (6 x - 1) (24 x - 1) (12 x - 1) (4 x - 1)}$$

Sequence: A212864
Score: 10.0693
Type of gen. func.: ogf

$$\frac{x (x^3 - 2 x^2 - x - 2)}{(x + 1) (x^2 + 1) (x^2 + x + 1) (x - 1)^3}$$

Sequence: A212885
Score: 11.5125
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-3 x^3 - 2 x^2 - 5 x - 2}{x^4 - 1}$$

Sequence: A212889
Score: 6.52541
Type of gen. func.: ogf

$$-\frac{(x^2+1)(x^4+46x^2+1)}{(x+1)^3(x-1)^5}$$

Sequence: A212890
Score: 6.98219
Type of gen. func.: ogf

$$-\frac{2x(7x^4+34x^2+7)}{(x+1)^3(x-1)^5}$$

Sequence: A212892
Score: 7.76080
Type of gen. func.: ogf

$$-\frac{2x^2(x^4+2x^3+6x^2+2x+1)}{(x+1)^3(x-1)^5}$$

Sequence: A212892
Score: 8.47939
Type of gen. func.: lgdogf

$$-\frac{4x^5+12x^4+44x^3+32x^2+24x+4}{x^6+2x^5+5x^4-5x^2-2x-1}$$

Sequence: A212893
Score: 5.44413
Type of gen. func.: ogf

$$-\frac{x^6+2x^5+15x^4+12x^3+15x^2+2x+1}{(x+1)^3(x-1)^5}$$

Sequence: A212894
Score: 7.91525
Type of gen. func.: ogf

$$\frac{2 x (x^4 + x^3 + 8 x^2 + 7 x + 1)}{(x - 1)^4}$$

Sequence: A212894
Score: 8.67817
Type of gen. func.: lgdogf

$$- \frac{5 x^3 + 19 x^2 + 37 x + 11}{x^5 + 7 x^3 - x^2 - 6 x - 1}$$

Sequence: A212895
Score: 6.26309
Type of gen. func.: ogf

$$\frac{2 x^2 (x^6 + x^5 - x^4 + 6 x^3 + 7 x^2 + 3 x + 1)}{(x - 1)^4}$$

Sequence: A212896
Score: 7.27311
Type of gen. func.: ogf

$$\frac{2 x^5 + 2 x^4 + 16 x^3 + 21 x^2 + 12 x + 1}{(x - 1)^4}$$

Sequence: A212897
Score: 7.12619
Type of gen. func.: ogf

2   4   2

$$-\frac{2 x (x + 7 x + 3 x + 1)}{(x - 1)^5}$$

Sequence: A212898
Score: 5.83873
Type of gen. func.: ogf

$$\frac{2 x^8 + 2 x^7 - 2 x^6 + 14 x^5 + 16 x^4 + 22 x^3 + 23 x^2 + 12 x + 1}{(x - 1)^4}$$

Sequence: A212899
Score: 6.09488
Type of gen. func.: ogf

$$-\frac{2 x^3 (x^6 - 2 x^4 + 8 x^3 + x^2 + 3 x + 1)}{(x - 1)^5}$$

Sequence: A212900
Score: 4.51536
Type of gen. func.: ogf

$$-\frac{2 x (7 x^6 + 18 x^5 + 36 x^4 + 40 x^3 + 31 x^2 + 10 x + 2)}{(x^2 + x + 1) (x + 1)^2 (x - 1)^5}$$

Sequence: A212901
Score: 8.10451
Type of gen. func.: ogf

$$-\frac{7 x^4 + 9 x^3 + 8 x^2 + 3 x + 1}{(x + 1) (x^2 + x + 1) (x - 1)^3}$$

Sequence: A212902
Score: 4.99009

Type of gen. func.: ogf

$$-\frac{2 x^2 (2 x^5 + 4 x^4 + 7 x^3 + 7 x^2 + 5 x + 1)}{(x^2 + x + 1) (x + 1)^2 (x - 1)^5}$$

Sequence: A212903
Score: 4.76231
Type of gen. func.: ogf

$$-\frac{x^7 - 2 x^6 - 2 x^5 + 11 x^4 + 19 x^3 + 18 x^2 + 6 x + 1}{(x^2 + x + 1) (x + 1)^2 (x - 1)^5}$$

Sequence: A212904
Score: 6.17837
Type of gen. func.: ogf

$$-\frac{x^6 + 4 x^5 - x^4 - 8 x^3 - 11 x^2 - 4 x - 1}{(x + 1)^2 (x - 1)^4}$$

Sequence: A212905
Score: 6.47457
Type of gen. func.: ogf

$$\frac{x^6 + 4 x^5 - 3 x^4 - 8 x^3 + 3 x^2 + 4 x + 1}{(x + 1)^2 (x - 1)^4}$$

Sequence: A212907
Score: 8.52914
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3 x^4 - 2 x^3 - x^2 - 2 x - 1}{x^5 + x^4 + x^3 + x^2 + x + 1}$$

```
------------------------------------------------------------------------------

Sequence:  A212925
Score: 4.03153
Type of gen. func.: ogf


(161148442520 f(x) - 278585367309)

                3              2
    (243 f(x) x  - 279 f(x) x  + 37 f(x) x - f(x) + 198 x + 10)



------------------------------------------------------------------------------

Sequence:  A212925
Score: 4.32415
Type of gen. func.: ogf


{a(n + 3) - 37 a(n + 2) + 279 a(n + 1) - 243 a(n), a(0) = 10, a(1) = 568,

    a(2) = 18226}



------------------------------------------------------------------------------

Sequence:  A212925
Score: 8.79007
Type of gen. func.: ogf


                                       2 (99 x + 5)
                            - -----------------------------
                              (x - 1) (27 x - 1) (9 x - 1)



------------------------------------------------------------------------------

Sequence:  A212926
Score: 3.33458
Type of gen. func.: ogf


                                 3           2
                   5 (2476032 x  + 72704 x  - 5104 x - 7)
              ----------------------------------------------------
              (x - 1) (96 x - 1) (16 x - 1) (256 x - 1) (36 x - 1)



------------------------------------------------------------------------------

Sequence:  A212938
Score: 4.00053
Type of gen. func.: ogf


(44929005254 f(x) - 168005262105)

                 3              2
    (4860 f(x) x  - 936 f(x) x  + 55 f(x) x - f(x) + 126 x + 1)



------------------------------------------------------------------------------

Sequence:  A212938
```

Score: 4.29325
Type of gen. func.: ogf

$$\{a(n + 3) - 55 a(n + 2) + 936 a(n + 1) - 4860 a(n), a(0) = 1, a(1) = 181, a(2) = 9019\}$$

Sequence: A212938
Score: 8.65689
Type of gen. func.: ogf

$$- \frac{126 x + 1}{(18 x - 1) (27 x - 1) (10 x - 1)}$$

Sequence: A212939
Score: 3.17903
Type of gen. func.: ogf

$$\frac{96512000 x^3 - 108800 x^2 - 9680 x - 1}{(160 x - 1) (80 x - 1) (35 x - 1) (100 x - 1) (256 x - 1)}$$

Sequence: A212959
Score: 12.7497
Type of gen. func.: ogf

$$- \frac{3 x^2 + 2 x + 1}{(x + 1) (x - 1)^3}$$

Sequence: A212959
Score: 6.64726
Type of gen. func.: ogf

$$(1377 f(x) - 6482) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x + 3 x^2 - f(x) + 2 x + 1)$$

Sequence: A212959
Score: 9.48451
Type of gen. func.: lgdogf

$$-\frac{6x^3+12x^2+14x+4}{3x^4+2x^3-2x^2-2x-1}$$

Sequence: A212960
Score: 28.6642
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2+x+4$$

Sequence: A212960
Score: 8.91014
Type of gen. func.: ogf

$$\frac{4x(x^2+x+1)}{(x+1)(x-1)^4}$$

Sequence: A212960
Score: 9.88659
Type of gen. func.: lgdogf

$$-\frac{-3x^3-7x^2-10x-4}{-x^4-x^3+x+1}$$

Sequence: A212962
Score: 5.03088
Type of gen. func.: ogf

$(312 f(x) - 67)$

$$(f(x)x^4+3f(x)x^3+x^4-2f(x)x^2-3f(x)x-x^2+f(x)-3x)$$

Sequence: A212962
Score: 9.37262
Type of gen. func.: ogf

$$-\frac{x\,(x^3 - x - 3)}{(x - 1)\,(x + 1)\,(x^2 + 3\,x - 1)}$$

Sequence: A212963
Score: 11.7211
Type of gen. func.: ogf

$$\frac{12\,x^3}{(x + 1)\,(x - 1)^4}$$

Sequence: A212963
Score: 16.5161
Type of gen. func.: lgdogf

$$-\frac{-5\,x - 3}{-x^2 + 1}$$

Sequence: A212963
Score: 34.3677
Type of gen. func.: ogf_with_Euler_transform]

[3 + x]

Sequence: A212963
Score: 5.04659
Type of gen. func.: ogf

-(f(x) - 6)

$$(f(x)\,x^5 - 3\,f(x)\,x^4 + 2\,f(x)\,x^3 + 2\,f(x)\,x^2 - 12\,x^3 - 3\,f(x)\,x + f(x))$$

Sequence: A212963
Score: 5.34345
Type of gen. func.: ogf

{-a(n + 3) n + 3 a(n + 2) + (n + 3) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0,

a(3) = 12}

Sequence: A212964
Score: 12.2936
Type of gen. func.: ogf

$$\frac{2 x^3}{(x + 1) (x - 1)^4}$$

Sequence: A212964
Score: 17.0435
Type of gen. func.: lgdogf

$$- \frac{-5 x - 3}{-x^2 + 1}$$

Sequence: A212964
Score: 35.4993
Type of gen. func.: ogf_with_Euler_transform]

[3 + x]

Sequence: A212964
Score: 5.55490
Type of gen. func.: ogf

{-a(n + 3) n + 3 a(n + 2) + (n + 3) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0,

a(3) = 2}

Sequence: A212964
Score: 6.40951
Type of gen. func.: ogf

$$-f(x) x^5 + 3 f(x) x^4 - 2 f(x) x^3 - 2 f(x) x^2 + 2 x^3 + 3 f(x) x - f(x)$$

Sequence: A212965
Score: 8.19246
Type of gen. func.: ogf

$$-\frac{x^4 + 3x^3 + 6x^2 + 3x + 1}{(x+1)^2 (x-1)^3}$$

Sequence: A212966
Score: 8.10430
Type of gen. func.: ogf

$$-\frac{5x^4 + 5x^3 + 2x^2 + x + 1}{(x+1)(x^2+x+1)^2 (x-1)^3}$$

Sequence: A212967
Score: 8.30337
Type of gen. func.: ogf

$$\frac{x(3x^2 + 4x + 3)}{(x+1)^2 (x-1)^4}$$

Sequence: A212967
Score: 9.72368
Type of gen. func.: lgdogf

$$-\frac{-12x^3 - 26x^2 - 32x - 10}{-3x^4 - 4x^3 + 4x + 3}$$

Sequence: A212968
Score: 7.30471
Type of gen. func.: ogf

$$\frac{x^4 + 3x^3 + 6x^2 + 3x + 1}{(x+1)^2 (x-1)^4}$$

Sequence: A212969
Score: 7.28007
Type of gen. func.: ogf

$$\frac{2 x^2 (x^3 + 2 x^2 + 3 x + 1)}{(x + 1)^2 (x - 1)^4}$$

Sequence: A212970
Score: 8.21992
Type of gen. func.: ogf

$$\frac{2 x (2 x^2 + 2 x + 1)}{(x + 1)^2 (x - 1)^4}$$

Sequence: A212970
Score: 8.92162
Type of gen. func.: lgdogf

$$- \frac{8 x^3 + 14 x^2 + 14 x + 4}{2 x^4 + 2 x^3 - x^2 - 2 x - 1}$$

Sequence: A212971
Score: 7.91743
Type of gen. func.: ogf

$$\frac{x^2 (x^2 + 2 x + 3)}{(x^2 + x + 1) (x - 1)^4}$$

Sequence: A212972
Score: 8.01241
Type of gen. func.: ogf

$$3 x^3 + 3 x^2 + 5 x + 1$$

$$\overline{(x^{2}+x+1)\,(x-1)^{4}}$$

Sequence: A212973
Score: 7.86638
Type of gen. func.: ogf

$$\frac{x^{3}+3\,x^{2}+x+1}{(x^{2}+x+1)\,(x-1)^{4}}$$

Sequence: A212974
Score: 7.60594
Type of gen. func.: ogf

$$\frac{x\,(x^{3}+4\,x^{2}+3\,x+4)}{(x^{2}+x+1)\,(x-1)^{4}}$$

Sequence: A212975
Score: 7.64957
Type of gen. func.: lgdogf

$$-\frac{2\,x^{5}+2\,x^{4}+44\,x^{3}+20\,x^{2}+26\,x+2}{x^{6}+9\,x^{4}-9\,x^{2}-1}$$

Sequence: A212975
Score: 8.07454
Type of gen. func.: ogf

$$\frac{x^{4}+10\,x^{2}+1}{(x+1)^{2}\,(x-1)^{4}}$$

Sequence: A212976
Score: 12.0503
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 2 x^2 + 8 x + 2}{x^4 - 1}$$

Sequence: A212976
Score: 24.7606
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^3 + 3 x + 2]$$

Sequence: A212976
Score: 8.92617
Type of gen. func.: ogf

$$\frac{6 (x^2 + 1) x}{(x + 1)^2 (x - 1)^4}$$

Sequence: A212977
Score: 7.72443
Type of gen. func.: ogf

$$\frac{x (x^2 + 3 x + 3)}{(x + 1)^3 (x - 1)^4}$$

Sequence: A212977
Score: 9.13744
Type of gen. func.: lgdogf

$$-\frac{-5 x^3 - 19 x^2 - 26 x - 6}{-x^4 - 3 x^3 - 2 x^2 + 3 x + 3}$$

Sequence: A212978
Score: 9.10447

Type of gen. func.: ogf

$$-\frac{2x^3+2x^2+3x+1}{(x^2+x+1)(x-1)^3}$$

Sequence: A212979
Score: 5.10827
Type of gen. func.: ogf

$$-\frac{x^8-x^7+x^6+5x^5-3x^4+5x^3+x^2-x+1}{(x^2+1)(x^4+x^3+x^2+x+1)(x-1)^3}$$

Sequence: A212980
Score: 9.03177
Type of gen. func.: ogf

$$\frac{x(x^2+3x+1)}{(x+1)(x-1)^4}$$

Sequence: A212980
Score: 9.88612
Type of gen. func.: lgdogf

$$-\frac{-3x^3-15x^2-16x-6}{-x^4-3x^3+3x+1}$$

Sequence: A212981
Score: 8.92162
Type of gen. func.: lgdogf

$$-\frac{-3x^3-11x^2-18x-8}{-x^4-2x^3-x^2+2x+2}$$

Sequence: A212981
Score: 9.03177
Type of gen. func.: ogf

$$\frac{x\,(x^2 + 2\,x + 2)}{(x + 1)\,(x - 1)^4}$$

Sequence: A212982
Score: 11.2489
Type of gen. func.: ogf

$$\frac{x\,(2\,x + 3)}{(x + 1)\,(x - 1)^4}$$

Sequence: A212982
Score: 12.4420
Type of gen. func.: lgdogf

$$-\frac{8\,x^2 + 21\,x + 11}{2\,x^3 + 3\,x^2 - 2\,x - 3}$$

Sequence: A212982
Score: 4.14732
Type of gen. func.: ogf

$$\{(-9 - 3\,n)\,a(n + 4) + (7 - 2\,n)\,a(n + 3) + (24 + 3\,n)\,a(n + 2)$$

$$+ (8 + 2\,n)\,a(n + 1),\ a(0) = 0,\ a(1) = 3,\ a(2) = 11,\ a(3) = 27\}$$

Sequence: A212983
Score: 9.10278
Type of gen. func.: lgdogf

$$-\frac{6\,x^3 + 14\,x^2 + 15\,x + 5}{2\,x^4 + 2\,x^3 - x^2 - 2\,x - 1}$$

Sequence: A212983
Score: 9.69387
Type of gen. func.: ogf

$$\frac{2 x^2 + 2 x + 1}{(x + 1) (x - 1)^4}$$

Sequence: A212984
Score: 10.5127
Type of gen. func.: ogf

$$- \frac{2 x^2 - x + 1}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A212984
Score: 9.19865
Type of gen. func.: lgdogf

$$- \frac{-6 x^4 - 7 x^2 - 4 x - 1}{-2 x^5 + x^4 - x^3 + 2 x^2 - x + 1}$$

Sequence: A212985
Score: 9.42901
Type of gen. func.: ogf

$$- \frac{2 x^3 + x^2 + x + 1}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A212986
Score: 9.84517
Type of gen. func.: ogf

$$- \frac{x^3 + x^2 + 1}{}$$

$$(x + 1) (x^2 + x + 1) (x - 1)^3$$

Sequence: A212987
Score: 8.26254
Type of gen. func.: ogf

$$-\frac{2 x^4 + 2 x^3 + x^2 + x + 1}{(x^2 + x + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A212988
Score: 9.56613
Type of gen. func.: ogf

$$-\frac{x^3 + x^2 - x + 1}{(x^2 + 1) (x + 1) (x - 1)^3}$$

Sequence: A212989
Score: 8.74324
Type of gen. func.: ogf

$$-\frac{3 x^4 + x^3 + x^2 + x + 1}{(x + 1)^2 (x^2 + 1)^2 (x - 1)^3}$$

Sequence: A213000
Score: 3.66585
Type of gen. func.: ogf

$$-(f(x) x - f(x) + x)^2$$

Sequence: A213001
Score: 2.15553
Type of gen. func.: ogf

$$-f(x) (f(x) x - f(x) + x)^2$$

Sequence: A213002
Score: 2.53645
Type of gen. func.: ogf

$$-(f(x) x - f(x) + x)^2$$

Sequence: A213002
Score: 9.37138
Type of gen. func.: ogf_with_Euler_transform]

[1]

Sequence: A213003
Score: 11.1168
Type of gen. func.: ogf_with_Euler_transform]

[1]

Sequence: A213003
Score: 3.00453
Type of gen. func.: ogf

$$-(f(x) x - f(x) + x)^2$$

Sequence: A213004
Score: 3.9742
Type of gen. func.: ogf

$$-(f(x) x - f(x) + x)^2$$

Sequence: A213006
Score: 6.87832
Type of gen. func.: ogf

$$(8 x^{24} - 2 x^{23} - x^{22} - x^{19} + 982 x^{14} + 2 x^{13} + x^{12} + 2 x^{9} + x^{8} + x^{7} + x^{6} + x^{5}$$

$$+ x^4 + x^3 + x^2 + x + 1) \Big/ ((x + 1) (x^4 + x^3 + x^2 + x + 1)$$

$$(x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A213012
Score: 4.55497
Type of gen. func.: ogf

$$- (360 x^{11} + 408 x^{10} - 268 x^9 - 380 x^8 - 156 x^7 - 180 x^6 + 126 x^4 + 24 x^3$$

$$+ 37 x + 26) \Big/ ((x - 1) (x + 1) (2 x^2 - 1) (2 x^4 - 1))$$

Sequence: A213022
Score: 13.5101
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{3 x^2 - 2 x + 5}{-x^3 - x^2 - x - 1}$$

Sequence: A213029
Score: 5.98380
Type of gen. func.: ogf

$$- \frac{x^2 (3 x^4 + 3 x^3 + 2 x^2 + x + 1)}{(x + 1)^2 (x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A213030
Score: 9.28758
Type of gen. func.: ogf

$$- \frac{x^2 (3 x^3 + 2 x + 1)}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A213031
Score: 4.40516
Type of gen. func.: ogf

$$\frac{x^2 (7 x^8 + 14 x^7 + 19 x^6 + 22 x^5 + 26 x^4 + 16 x^3 + 7 x^2 + 2 x + 1)}{(x + 1)^3 (x^2 + x + 1)^3 (x - 1)^4}$$

Sequence: A213032
Score: 7.10577
Type of gen. func.: ogf

$$-\frac{x^3 (x^7 + 2 x^6 + 2 x^5 + 3 x^3 + x + 1)}{(x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2 (x - 1)^3}$$

Sequence: A213034
Score: 5.89618
Type of gen. func.: ogf

$$-\frac{x^3 (x^6 + 2 x^5 + x^4 + 7 x^3 + x^2 + 2 x + 4)}{(x + 1) (x^2 - x + 1) (x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A213035
Score: 7.94412
Type of gen. func.: ogf

$$-\frac{x (x + 1) (3 x^3 + 2 x^2 + 2 x + 1)}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A213036
Score: 8.70304
Type of gen. func.: ogf

$$-\frac{x (5 x^3 + 2 x^2 + 2 x + 1)}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A213037
Score: 8.02468
Type of gen. func.: lgdogf

$$-\frac{2 x^4 - 8 x^3 - 4 x^2 - 12 x - 2}{x^5 - 3 x^4 - 2 x^3 + 2 x^2 + x + 1}$$

Sequence: A213037
Score: 8.74600
Type of gen. func.: ogf

$$\frac{x (x^3 - 3 x^2 - x - 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A213038
Score: 4.14921
Type of gen. func.: ogf

$$\{(n + 2) a(n + 1) + (-2 n - 8) a(n + 2) + (-n - 1) a(n + 3) + (2 n + 3) a(n + 4), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 6\}$$

Sequence: A213038
Score: 8.69995
Type of gen. func.: lgdogf

$$-\frac{4 x^4 - 7 x^3 + 3 x^2 - 11 x - 1}{2 x^5 - 3 x^4 - 2 x^3 + 2 x^2 + 1}$$

Sequence: A213038
Score: 9.98883
Type of gen. func.: ogf

$$x (2 x^3 - 3 x^2 - 1)$$

$$(x + 1)^2 (x - 1)^3$$

Sequence: A213039
Score: 5.18507
Type of gen. func.: ogf

$$\frac{x (x + 1) (7 x^6 + 12 x^5 + 18 x^4 + 22 x^3 + 12 x^2 + 6 x + 1)}{(x^2 + x + 1)^3 (x - 1)^4}$$

Sequence: A213041
Score: 11.1087
Type of gen. func.: lgdogf

$$- \frac{6 x^3 + 6 x^2 + 10 x + 2}{3 x^4 - 2 x^2 - 1}$$

Sequence: A213041
Score: 13.4473
Type of gen. func.: ogf

$$- \frac{3 x^2 + 1}{(x + 1) (x - 1)^3}$$

Sequence: A213041
Score: 6.90539
Type of gen. func.: ogf

$$(268 f(x) - 683) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x + 3 x^2 - f(x) + 1)$$

Sequence: A213042
Score: 11.5516
Type of gen. func.: lgdogf

$$-10 x^3 - 10 x^2 - 4 x$$

```
- --------------------
      4    3
   -x  - x  + x + 1
```

Sequence: A213042
Score: 32.2028
Type of gen. func.: ogf_with_Euler_transform]

$$[2 x^2 + 2 x]$$

Sequence: A213042
Score: 9.40244
Type of gen. func.: ogf

$$\frac{1}{(x + 1)^2 (x^2 + x + 1)^2 (x - 1)^4}$$

Sequence: A213043
Score: 10.6783
Type of gen. func.: lgdogf

$$-\frac{5 x^3 + 3 x^2 - 6 x}{x^4 + x^3 - 2 x^2 - x + 1}$$

Sequence: A213043
Score: 15.3123
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (x^2 + x - 1) (x + 1)^2}$$

Sequence: A213044
Score: 7.56036
Type of gen. func.: lgdogf

```
      4      3      2
  -8 x  - 7 x  + 6 x  + 2 x + 1
- -----------------------------
```

$$-x^5 - x^4 + x^3 + x^2 + x - 1$$

Sequence: A213044
Score: 8.96043
Type of gen. func.: ogf

$$-\frac{1}{(x^2 + x - 1)\,(x - 1)^2\,(x^2 + x + 1)^2}$$

Sequence: A213045
Score: 9.10835
Type of gen. func.: lgdogf

$$-\frac{-3x^3 - 7x^2 - 15x - 7}{-x^4 - x^3 - x^2 + x + 2}$$

Sequence: A213045
Score: 9.10835
Type of gen. func.: ogf

$$\frac{2x\,(x^2 + x + 2)}{(x + 1)\,(x - 1)^4}$$

Sequence: A213046
Score: 13.0230
Type of gen. func.: ogf

$$\frac{x - 2}{(x + 1)\,(x^2 + x - 1)\,(x - 1)^2}$$

Sequence: A213046
Score: 8.18971
Type of gen. func.: lgdogf

4 3 2

$$-\frac{4 x - 6 x - 12 x + 7 x + 3}{x^5 - x^4 - 4 x^3 + 3 x^2 + 3 x - 2}$$

Sequence: A213071
Score: 4.70634
Type of gen. func.: ogf

$$(3083090688 f(x) + 28255651412795) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 399 x^3$$
$$- 4 f(x) x - 10779 x^2 + f(x) - 11589 x - 561)$$

Sequence: A213071
Score: 7.73832
Type of gen. func.: lgdogf

$$-\frac{133 x^3 + 7585 x^2 + 18775 x + 4611}{133 x^4 + 3460 x^3 + 270 x^2 - 3676 x - 187}$$

Sequence: A213071
Score: 9.04253
Type of gen. func.: ogf

$$\frac{3 (133 x^3 + 3593 x^2 + 3863 x + 187)}{(x - 1)^4}$$

Sequence: A213082
Score: 7.46319
Type of gen. func.: ogf

$$\frac{5 x^8 + 6 x^7 + 6 x^6 + 6 x^5 + 6 x^4 + 7 x^3 + 6 x^2 + x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A213090
Score: 5.47637

Type of gen. func.: ogf

$$4 f(x)^2 x^3 - 5 f(x)^2 x^2 + 6 f(x)^2 x + 8 f(x) x^2 - f(x)^2 - 17 f(x) x + x^2 + 3 f(x) + 10 x - 2$$

Sequence: A213119
Score: 5.22582
Type of gen. func.: ogf

$$16 f(x)^2 x^3 - 8 f(x)^2 x^2 + f(x)^2 x - 16 f(x) x^2 + 16 f(x) x - 3 f(x) + 4 x + 3$$

Sequence: A213119
Score: 7.64754
Type of gen. func.: revogf

$$\frac{8 x^2 - 16 x - 3 + 3 (16 x + 1)^{1/2}}{8 (4 x^2 - 4 x + 1)}$$

Sequence: A213120
Score: 5.03137
Type of gen. func.: ogf

$$-16 f(x)^2 x^3 + 8 f(x)^2 x^2 - f(x)^2 x + 64 f(x) x^2 - 48 f(x) x - 4 x^2 + 8 f(x) - 31 x - 8$$

Sequence: A213121
Score: 4.45474
Type of gen. func.: ogf

$$-16 f(x)^2 x^3 + 8 f(x)^2 x^2 - f(x)^2 x + 192 f(x) x^2 - 128 f(x) x - 100 x^2 + 20 f(x) - 151 x - 20$$

Sequence: A213122
Score: 4.03441
Type of gen. func.: ogf

$$16 f(x)^2 x^3 - 8 f(x)^2 x^2 + 4 x^4 + f(x)^2 x - 512 f(x) x^2 + 135 x^3 + 320 f(x) x$$
$$+ 930 x^2 - 48 f(x) + 591 x + 48$$

Sequence: A213163
Score: 11.5101
Type of gen. func.: lgdogf

$$- \frac{5 x^2 - 13 x + 7}{x^3 - 4 x^2 + 4 x - 1}$$

Sequence: A213163
Score: 13.6028
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (x^2 - 3 x + 1)^2}$$

Sequence: A213163
Score: 3.72217
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (19 + 4 n) a(n + 3) + (-21 - 4 n) a(n + 2)$$
$$+ (6 + n) a(n + 1), a(0) = 1, a(1) = 7, a(2) = 32, a(3) = 122\}$$

Sequence: A213164
Score: 13.5560
Type of gen. func.: ogf

$$- \frac{1}{(3 x - 1)^2 (x - 1)^3}$$

Sequence: A213164
Score: 15.4926
Type of gen. func.: lgdogf

$$-\frac{15 x - 9}{3 x^2 - 4 x + 1}$$

Sequence: A213164
Score: 4.96168
Type of gen. func.: ogf

$\{(-n - 3) a(n + 3) + (17 + 4 n) a(n + 2) + (-18 - 3 n) a(n + 1), a(0) = 1,$

$a(1) = 9, a(2) = 51\}$

Sequence: A213165
Score: 3.56322
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (x^3 - 6 x^2 + 5 x - 1)^2}$$

Sequence: A213167
Score: 4.66619
Type of gen. func.: egf]

$$-(44 f(x) - 161) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 2 x + 1)$$

Sequence: A213167
Score: 8.60328
Type of gen. func.: lgdegf]

$$-\frac{-x^2 + 2 x + 5}{-x^3 + 3 x^2 - x - 1}$$

Sequence: A213167
Score: 9.02639
Type of gen. func.: egf]

$$x^2 - 2 x - 1$$

```
                                  ------------
                                           3
                                    (x - 1)



------------------------------------------------------------------------------

Sequence:  A213170
Score: 23.1733
Type of gen. func.: lgdegf]


                                   -2 exp(x)



------------------------------------------------------------------------------

Sequence:  A213170
Score: 64.2672
Type of gen. func.: lgdegf]


                                   -2 exp(x)



------------------------------------------------------------------------------

Sequence:  A213173
Score: 11.2946
Type of gen. func.: ogf


                                           2
                   (20 f(x) - 19) (4 f(x) x  - f(x) + x + 1)



------------------------------------------------------------------------------

Sequence:  A213173
Score: 12.1770
Type of gen. func.: lgdogf


                                     2
                                 -4 x  - 8 x - 1
                             - ---------------------
                                   3      2
                               -4 x  - 4 x  + x + 1



------------------------------------------------------------------------------

Sequence:  A213173
Score: 12.1770
Type of gen. func.: ogf


                    {-a(n + 2) + 4 a(n), a(0) = 1, a(1) = 1}



------------------------------------------------------------------------------

Sequence:  A213173
Score: 19.0080
Type of gen. func.: ogf
```

$$-\frac{x + 1}{(2 x - 1) (2 x + 1)}$$

Sequence: A213182
Score: 10.2742
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 10100, a(1) = 10101\}$$

Sequence: A213182
Score: 13.5982
Type of gen. func.: lgdogf

$$-\frac{-10099 x + 10101}{-10099 x^2 + 20199 x - 10100}$$

Sequence: A213182
Score: 17.4468
Type of gen. func.: ogf

$$-\frac{10099 x - 10100}{(x - 1)^2}$$

Sequence: A213182
Score: 9.15524
Type of gen. func.: ogf

$$(2 f(x) + 102010001) (f(x) x^2 - 2 f(x) x + f(x) + 10099 x - 10100)$$

Sequence: A213184
Score: 10.2742
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 10100, a(1) = 10101\}$$

Sequence: A213184
Score: 13.5982
Type of gen. func.: lgdogf

$$-\frac{-10099 x + 10101}{-10099 x^2 + 20199 x - 10100}$$

Sequence: A213184
Score: 17.4468
Type of gen. func.: ogf

$$-\frac{10099 x - 10100}{(x - 1)^2}$$

Sequence: A213184
Score: 9.15524
Type of gen. func.: ogf

$$(2 f(x) + 102010001) (f(x) x^2 - 2 f(x) x + f(x) + 10099 x - 10100)$$

Sequence: A213190
Score: 5.94632
Type of gen. func.: ogf

$$\{3 a(n + 1) + (n + 3) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 1, a(2) = 5\}$$

Sequence: A213222
Score: 13.3304
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 2 x^2 - 4 x - 4}{-x^5 + 3 x^4 - 6 x^2 + x + 3}$$

Sequence: A213222
Score: 15.4555
Type of gen. func.: ogf

$$\frac{x^3 - 3 x^2 + x + 3}{(x + 1) (x - 1)^2}$$

Sequence: A213222
Score: 8.07902
Type of gen. func.: ogf

$\{a(n + 4) - a(n + 3) - a(n + 2) + a(n + 1), a(0) = 3, a(1) = 4, a(2) = 4,$

$a(3) = 6\}$

Sequence: A213222
Score: 8.96156
Type of gen. func.: ogf

$$(1 + 5 f(x)) (f(x) x^3 - f(x) x^2 - x^3 - f(x) x + 3 x^2 + f(x) - x - 3)$$

Sequence: A213223
Score: 4.40438
Type of gen. func.: ogf

$-(3078 f(x) + 13507)$

$(10 f(x) x^3 - 21 f(x) x^2 + 12 f(x) x - 99 x^2 - f(x) + 8 x + 1)$

Sequence: A213223
Score: 4.70297
Type of gen. func.: ogf

$\{a(n + 3) - 12 a(n + 2) + 21 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 20,$

$a(2) = 120\}$

Sequence: A213223
Score: 5.90373
Type of gen. func.: lgdogf

$$- \frac{-990 x^3 - 830 x^2 + 220 x - 20}{}$$

$$-990 x^4 + 1169 x^3 - 177 x^2 - 3 x + 1$$

Sequence: A213223
Score: 8.53771
Type of gen. func.: ogf

$$\frac{99 x^2 - 8 x - 1}{(10 x - 1) (x - 1)^2}$$

Sequence: A213243
Score: 15.5915
Type of gen. func.: ogf

$$\frac{2 x^2 + x + 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A213243
Score: 7.66132
Type of gen. func.: lgdogf

$$-\frac{16 x^5 + 12 x^4 + 16 x^3 - 5 x^2 - 14 x - 1}{8 x^6 + 4 x^5 - 6 x^4 - 5 x^3 - 3 x^2 + x + 1}$$

Sequence: A213243
Score: 8.88713
Type of gen. func.: ogf

$$-(127 f(x) + 59) (4 f(x) x^4 - 5 f(x) x^2 - 2 x^2 + f(x) - x - 1)$$

Sequence: A213244
Score: 5.42219
Type of gen. func.: ogf

$$\frac{8 x^6 + 12 x^5 + 14 x^4 + 3 x^3 + 7 x^2 + 3 x + 1}{}$$

$$(x - 1) (2 x + 1) (2 x - 1) (x + 1) (4 x^2 + 1) (x^2 + 1)$$

Sequence: A213245
Score: 12.1742
Type of gen. func.: ogf

$$\frac{4 x^4 + 6 x^3 + x^2 + 3 x + 1}{(x - 1) (2 x - 1) (x^2 + x + 1) (4 x^2 + 2 x + 1)}$$

Sequence: A213260
Score: 15.0360
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^4 + 6 x^3 + 6 x^2 + 6 x + 6}{x^5 - 1}$$

Sequence: A213269
Score: 11.0794
Type of gen. func.: egf]

$$- \frac{6 x}{(x - 1)^5}$$

Sequence: A213269
Score: 24.9288
Type of gen. func.: lgdegf]

$$\frac{5}{-x + 1}$$

Sequence: A213269
Score: 6.23219
Type of gen. func.: ogf

$$\{(-n^2 - 7 n - 10) a(n + 1) + (n + 1) a(n + 2), a(0) = 0, a(1) = 6\}$$

Sequence: A213282
Score: 6.54364
Type of gen. func.: ogf

$$-f(x)^{3} x - f(x) x^{3} + 3 f(x) x^{2} + x^{3} - 3 f(x) x - 3 x^{2} + f(x) + 3 x - 1$$

Sequence: A213283
Score: 4.13478
Type of gen. func.: ogf

$$\{(93 n^{2} - 1029 n - 2430) a(n + 1) + (184 n^{2} + 3005 n - 194) a(n + 2)$$

$$+ (-277 n^{2} - 496 n + 116) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 9\}$$

Sequence: A213283
Score: 8.67405
Type of gen. func.: ogf

$$- \frac{x (18 x^{3} + x^{2} + 4 x + 1)}{(x - 1)^{5}}$$

Sequence: A213283
Score: 9.38839
Type of gen. func.: lgdogf

$$- \frac{-36 x^{3} - 57 x^{2} - 18 x - 9}{-18 x^{4} + 17 x^{3} - 3 x^{2} + 3 x + 1}$$

Sequence: A213284
Score: 7.05659
Type of gen. func.: ogf

$$\frac{x (84 x^{4} + 22 x^{3} + 5 x^{2} + 8 x + 1)}{{}^{6}}$$

$(x - 1)$

Sequence: A213284
Score: 7.32288
Type of gen. func.: lgdogf

$$-\frac{168 x^4 + 402 x^3 + 86 x^2 + 50 x + 14}{84 x^5 - 62 x^4 - 17 x^3 + 3 x^2 - 7 x - 1}$$

Sequence: A213285
Score: 6.10779
Type of gen. func.: ogf

$$-\frac{x (507 x^5 + 106 x^4 + 89 x^3 - 3 x^2 + 20 x + 1)}{(x - 1)^7}$$

Sequence: A213286
Score: 4.90029
Type of gen. func.: ogf

$$\frac{x (3570 x^6 + 693 x^5 + 610 x^4 + 101 x^3 + 27 x^2 + 38 x + 1)}{(x - 1)^8}$$

Sequence: A213287
Score: 4.33274
Type of gen. func.: ogf

$$-\frac{x (28498 x^7 + 5880 x^6 + 4234 x^5 + 1273 x^4 + 266 x^3 + 86 x^2 + 82 x + 1)}{(x - 1)^9}$$

Sequence: A213288
Score: 3.55771
Type of gen. func.: ogf

$$x\,(256561\,x^8 + 52034\,x^7 + 41203\,x^6 + 6496\,x^5 + 6224\,x^4 - 290\,x^3 + 499\,x^2 + 152\,x + 1) \Big/ (x - 1)^{10}$$

Sequence: A213299
Score: 3.82858
Type of gen. func.: ogf

$$-\frac{2\,x^7 - 2\,x^6 + 5\,x^5 - 2\,x^4 + 2\,x^3 + 2\,x^2 + x + 2}{(10\,x^4 - 1)\,(x^4 + 1)\,(x - 1)^2}$$

Sequence: A213380
Score: 39.0566
Type of gen. func.: lgdogf

$$\frac{13}{-x + 1}$$

Sequence: A213380
Score: 7.26051
Type of gen. func.: ogf

$$-\frac{132\,x^{12}}{(x - 1)^{13}}$$

Sequence: A213384
Score: 16.8105
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3\,x - 6}{x^2 - 1}$$

Sequence: A213387
Score: 11.0471
Type of gen. func.: ogf

$$-\frac{x (x + 2)}{(2 x - 1) (x - 1)^2}$$

Sequence: A213387
Score: 5.38192
Type of gen. func.: ogf

$$-(2181 f(x) - 1769) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x + x^2 - f(x) + 2 x)$$

Sequence: A213387
Score: 5.67284
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 0, a(1) = 2, a(2) = 9\}$$

Sequence: A213387
Score: 9.68746
Type of gen. func.: lgdogf

$$-\frac{4 x^2 + 11 x - 9}{2 x^3 + x^2 - 5 x + 2}$$

Sequence: A213388
Score: 8.32023
Type of gen. func.: lgdogf

$$-\frac{2 x^4 - 12 x^3 - 24 x^2 - 24 x - 6}{x^5 - 5 x^4 - 4 x^3 + 4 x^2 + 3 x + 1}$$

Sequence: A213388
Score: 9.69062
Type of gen. func.: ogf

$$x^3 - 5 x^2 - 3 x - 1$$

$$- \frac{}{(x + 1) (x - 1)^4}$$

Sequence: A213389
Score: 7.88251
Type of gen. func.: lgdogf

$$- \frac{2 x^5 + 2 x^4 + 20 x^3 + 8 x^2 + 14 x + 2}{x^6 + 3 x^4 - 3 x^2 - 1}$$

Sequence: A213389
Score: 8.32535
Type of gen. func.: ogf

$$\frac{x (x^4 + 4 x^2 + 1)}{(x + 1)^2 (x - 1)^4}$$

Sequence: A213390
Score: 6.59441
Type of gen. func.: ogf

$$- \frac{x^5 - x^4 - 2 x^3 - 10 x^2 - 5 x - 1}{(x + 1)^2 (x - 1)^4}$$

Sequence: A213391
Score: 7.21972
Type of gen. func.: ogf

$$\frac{x (x^6 + 4 x^3 + 1)}{(x^2 + x + 1)^2 (x - 1)^4}$$

Sequence: A213392
Score: 5.09824
Type of gen. func.: ogf

$$-\frac{x^7 - x^6 - 6 x^5 - 8 x^4 - 16 x^3 - 12 x^2 - 5 x - 1}{(x^2 + x + 1)^2 (x - 1)^4}$$

Sequence: A213393
Score: 21.8255
Type of gen. func.: ogf_with_Euler_transform]

$$-x^3 + 2 x^2 - x + 4$$

Sequence: A213393
Score: 5.84988
Type of gen. func.: ogf

$$\frac{6 x (x^2 + 1) (x + 1)^2}{(x^2 + x + 1)^2 (x - 1)^4}$$

Sequence: A213395
Score: 7.30075
Type of gen. func.: ogf

$$-\frac{x^5 + 6 x^4 + 10 x^3 + 9 x^2 + 4 x + 1}{(x^2 + x + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A213396
Score: 22.5065
Type of gen. func.: ogf_with_Euler_transform]

$$-x^3 + x^2 + x + 3$$

Sequence: A213396
Score: 8.89921
Type of gen. func.: lgdogf

$$-\frac{-4x^4-3x^3-9x^2-5x-3}{-x^5-x^3+x^2+1}$$

Sequence: A213396
Score: 9.22881
Type of gen. func.: ogf

$$\frac{3(x^2+1)x}{(x^2+x+1)(x-1)^4}$$

Sequence: A213397
Score: 8.70632
Type of gen. func.: ogf

$$\frac{x^4+2x^3+6x^2+2x+1}{(x^2+x+1)(x-1)^4}$$

Sequence: A213398
Score: 11.2770
Type of gen. func.: ogf

$$\frac{x^3-2x^2-2x-1}{(x+1)(x-1)^3}$$

Sequence: A213398
Score: 6.12686
Type of gen. func.: ogf

$$(13920\,f(x)-74989)$$

$$(f(x)\,x^4-2\,f(x)\,x^3-x^3+2\,f(x)\,x+2x^2-f(x)+2x+1)$$

Sequence: A213398
Score: 8.02176

Type of gen. func.: lgdogf

$$-\frac{x^4 - 2x^3 - 7x^2 - 12x - 4}{x^5 - 2x^4 - 3x^3 + x^2 + 2x + 1}$$

Sequence: A213399
Score: 8.31597
Type of gen. func.: ogf

$$-\frac{x^4 + 3x^3 + 8x^2 + 3x + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A213400
Score: 5.09270
Type of gen. func.: ogf

$$-\frac{x^3 (x^6 + x^5 - 4x^4 - 13x^3 - 15x^2 - 6x - 2)}{(x + 1)^2 (x^2 + x + 1)^2 (x - 1)^4}$$

Sequence: A213411
Score: 5.13124
Type of gen. func.: ogf

$$-\frac{(x - 1)(x + 1)(x^9 + x^8 + x^6 + x^4 + x^3 + x - 1)}{x^{12} - x^{11} - 2x^{10} + x^9 - 2x^5 + x^4 - x^3 + x^2 + 2x - 1}$$

Sequence: A213413
Score: 4.84806
Type of gen. func.: ogf

$(2101283 f(x) + 7928655)$

$$(210 f(x) x^3 - 107 f(x) x^2 + 18 f(x) x + 105 x^2 - f(x) - 40 x + 4)$$

Sequence: A213413
Score: 5.29246
Type of gen. func.: ogf

{a(n + 3) - 18 a(n + 2) + 107 a(n + 1) - 210 a(n), a(0) = 4, a(1) = 32,

a(2) = 253}

Sequence: A213413
Score: 9.20428
Type of gen. func.: ogf

$$-\frac{105 x^2 - 40 x + 4}{(6 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A213414
Score: 3.29014
Type of gen. func.: ogf

$$-\frac{2 (83160 x^5 - 55404 x^4 + 14899 x^3 - 2021 x^2 + 140 x - 4)}{(9 x - 1) (6 x - 1) (7 x - 1) (10 x - 1) (11 x - 1) (8 x - 1)}$$

Sequence: A213419
Score: 12.6552
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{26} - x^{24} + 1}{-x^2 + 1}$$

Sequence: A213421
Score: 12.5256
Type of gen. func.: ogf

$$-\frac{2 x - 1}{7 x^2 - 4 x + 1}$$

Sequence: A213421
Score: 6.47874
Type of gen. func.: ogf

$$(27 f(x) - 34) (7 f(x) x^2 - 4 f(x) x + f(x) + 2 x - 1)$$

Sequence: A213421
Score: 6.87379
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 7 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A213421
Score: 8.28899
Type of gen. func.: lgdogf

$$- \frac{14 x^2 - 14 x + 2}{14 x^3 - 15 x^2 + 6 x - 1}$$

Sequence: A213432
Score: 16.3223
Type of gen. func.: ogf

$$- \frac{2 x^4}{(2 x - 1)^5}$$

Sequence: A213432
Score: 37.1472
Type of gen. func.: lgdogf

$$\frac{10}{-2 x + 1}$$

Sequence: A213432
Score: 7.92110
Type of gen. func.: ogf

$$\{(-2 + n) a(n + 2) + (-4 - 2 n) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 2\}$$

Sequence: A213432
Score: 8.83009
Type of gen. func.: ogf

$$32 f(x) x^{5} - 80 f(x) x^{4} + 80 f(x) x^{3} + 2 x^{4} - 40 f(x) x^{2} + 10 f(x) x - f(x)$$

Sequence: A213436
Score: 10.1810
Type of gen. func.: lgdogf

$$-\frac{27 x^{2} + 66 x + 17}{9 x^{3} + 3 x^{2} - 11 x - 1}$$

Sequence: A213436
Score: 8.65386
Type of gen. func.: ogf

$$-\frac{9 x^{2} + 12 x + 1}{(x - 1)^{5}}$$

Sequence: A213455
Score: 12.0494
Type of gen. func.: lgdogf

$$-\frac{108 x^{2} - 98 x + 14}{36 x^{3} - 49 x^{2} + 14 x - 1}$$

Sequence: A213455
Score: 19.0113
Type of gen. func.: ogf

```
                         - ---------------------------
                           (x - 1) (4 x - 1) (9 x - 1)


------------------------------------------------------------------------------

Sequence:  A213455
Score: 6.95537
Type of gen. func.: ogf


{a(n + 3) - 14 a(n + 2) + 49 a(n + 1) - 36 a(n), a(0) = 90, a(1) = 1260,

    a(2) = 13230}


------------------------------------------------------------------------------

Sequence:  A213455
Score: 7.25009
Type of gen. func.: ogf


                                       3            2
 (12951991 f(x) - 103226400) (36 f(x) x  - 49 f(x) x  + 14 f(x) x - f(x) + 90)


------------------------------------------------------------------------------

Sequence:  A213472
Score: 5.47720
Type of gen. func.: ogf


    12      11      10       9      8      6      4       3      2
- (x   + 3 x   - 4 x   + 10 x  - 5 x  + 5 x  - 5 x  + 10 x  - 4 x  + 3 x + 1)

      2            /            2        4    3    2
    (x  + x + 1)  /  ((x - 1) (x  + 1) (x  + x  + x  + x + 1)
                 /

      8    6    4    2
    (x  - x  + x  - x  + 1))


------------------------------------------------------------------------------

Sequence:  A213479
Score: 8.95978
Type of gen. func.: ogf


                             4    3      2
                            x  - x  - 5 x  - 3 x - 1
                            ------------------------
                                      2        3
                               (x + 1)  (x - 1)


------------------------------------------------------------------------------

Sequence:  A213480
Score: 6.84325
Type of gen. func.: ogf
```

$$-\frac{x (x^4 - 3 x^3 - 10 x^2 - 8 x - 4)}{(x + 1)^2 (x - 1)^4}$$

Sequence: A213481
Score: 7.18345
Type of gen. func.: ogf

$$\frac{x^4 + 6 x^3 + 10 x^2 + 5 x + 1}{(x + 1)^2 (x - 1)^4}$$

Sequence: A213482
Score: 6.80869
Type of gen. func.: ogf

$$-\frac{x (x^4 - 3 x^3 - 10 x^2 - 8 x - 3)}{(x + 1)^2 (x - 1)^4}$$

Sequence: A213483
Score: 6.91485
Type of gen. func.: ogf

$$\frac{x^5 - 2 x^4 - 4 x^3 + 2 x^2 + 3 x + 1}{(x + 1)^2 (x - 1)^4}$$

Sequence: A213484
Score: 8.28581
Type of gen. func.: ogf

$$-\frac{x^4 + x^3 - x^2 + x + 1}{(x^2 + 1) (x - 1)^3}$$

Sequence: A213485

Score: 6.94331
Type of gen. func.: ogf

$$\frac{x (x^4 + x^3 + 2 x^2 + 4 x + 4)}{(x^2 + 1) (x - 1)^4}$$

Sequence: A213486
Score: 10.7797
Type of gen. func.: ogf

$$\frac{3 x}{(x^2 + 1) (x - 1)^4}$$

Sequence: A213486
Score: 11.6218
Type of gen. func.: lgdogf

$$- \frac{-6 x^2 + 2 x - 4}{-x^3 + x^2 - x + 1}$$

Sequence: A213486
Score: 25.4828
Type of gen. func.: ogf_with_Euler_transform]

$$[x^3 - x + 4]$$

Sequence: A213486
Score: 3.77561
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 4) + (6 + n) a(n + 3) + (-n - 3) a(n + 2) + (6 + n) a(n + 1),$$

$$a(0) = 0, a(1) = 3, a(2) = 12, a(3) = 27\}$$

Sequence: A213487
Score: 7.34124
Type of gen. func.: ogf

$$\frac{x^4 + 4 x^3 + 2 x^2 + x + 1}{(x^2 + 1) (x - 1)^4}$$

Sequence: A213488
Score: 6.99130
Type of gen. func.: ogf

$$\frac{x (x^4 + x^3 + 2 x^2 + 4 x + 1)}{(x^2 + 1) (x - 1)^4}$$

Sequence: A213489
Score: 7.47534
Type of gen. func.: ogf

$$- \frac{x^5 - 2 x^3 + 2 x^2 - 3 x - 1}{(x^2 + 1) (x - 1)^4}$$

Sequence: A213490
Score: 6.26463
Type of gen. func.: ogf

$$\frac{2 x^5 (17 x^4 + 15 x^3 + 21 x^2 + 13 x + 6)}{(x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A213491
Score: 4.83007
Type of gen. func.: ogf

$$- \frac{34 x^8 + 63 x^7 + 98 x^6 + 106 x^5 + 89 x^4 + 55 x^3 + 26 x^2 + 8 x + 1}{(x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A213492
Score: 7.32712
Type of gen. func.: ogf

$$\frac{2 x (2 x^4 + 3 x^3 + 6 x^2 + 5 x + 2)}{(x + 1) (x^2 + x + 1) (x - 1)^4}$$

Sequence: A213493
Score: 6.87591
Type of gen. func.: ogf

$$\frac{12 x^6 (5 x^3 + 3 x^2 + 3 x + 1)}{(x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A213494
Score: 7.36393
Type of gen. func.: ogf

$$\frac{x^6 (5 x^3 + 3 x^2 + 3 x + 1)}{(x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A213495
Score: 8.40841
Type of gen. func.: ogf

$$- \frac{(x^2 + 1) (3 x^2 + 3 x + 1)}{(x + 1) (x^2 + x + 1) (x - 1)^3}$$

Sequence: A213496
Score: 6.80869
Type of gen. func.: ogf

$$\frac{x (x^4 + 3 x^3 + 11 x^2 + 5 x + 4)}{(x + 1)^2 (x - 1)^4}$$

Sequence: A213497
Score: 7.29695
Type of gen. func.: ogf

$$-\frac{2x^5+6x^4+8x^3+8x^2+4x+1}{(x^2+x+1)(x+1)^2(x-1)^3}$$

Sequence: A213498
Score: 6.87353
Type of gen. func.: ogf

$$\frac{x(x^4+3x^3+9x^2+7x+4)}{(x+1)^2(x-1)^4}$$

Sequence: A213499
Score: 5.45402
Type of gen. func.: ogf

$$\frac{x(3x^5+11x^4+19x^3+22x^2+13x+4)}{(x^2+x+1)(x+1)^2(x-1)^4}$$

Sequence: A213501
Score: 6.07020
Type of gen. func.: ogf

$$\frac{x(2x^5+12x^4+21x^3+21x^2+12x+4)}{(x^2+x+1)(x+1)^2(x-1)^4}$$

Sequence: A213502
Score: 7.97126
Type of gen. func.: lgdogf

4   3   2

$$-\frac{2x - 9x - 29x - 43x - 17}{x^5 - 4x^4 - 6x^3 + 5x + 4}$$

Sequence: A213502
Score: 8.15039
Type of gen. func.: ogf

$$-\frac{x(x^3 - 4x^2 - 5x - 4)}{(x + 1)(x - 1)^4}$$

Sequence: A213504
Score: 5.43879
Type of gen. func.: ogf

$$\frac{2x^5 - 7x^4 + 10x^3 - 9x^2 - 1}{(x^2 - 3x + 1)(x^2 + x - 1)^3}$$

Sequence: A213506
Score: 24.5390
Type of gen. func.: ogf_with_Euler_transform]

$$x^3 + 2x^2 + x + 1$$

Sequence: A213506
Score: 7.46687
Type of gen. func.: ogf

$$-\frac{1}{(x^2 + 1)(x + 1)^2 (x^2 + x + 1)^2 (x - 1)^5}$$

Sequence: A213507
Score: 16.5446
Type of gen. func.: lgdegf]

$$\frac{}{\left(1+(1-4x)^{1/2}\right)^2}$$

Sequence: A213507
Score: 34.0943
Type of gen. func.: lgdegf]

$$\frac{4}{\left(1+(1-4x)^{1/2}\right)^2}$$

Sequence: A213507
Score: 4.46602
Type of gen. func.: ogf

$$\{(-4 n^3 - 26 n^2 - 56 n - 40) a(n + 1) + (n^2 + 11 n + 19) a(n + 2) - a(n + 3),$$

$$a(0) = 1, a(1) = 1, a(2) = 3\}$$

Sequence: A213527
Score: 14.4615
Type of gen. func.: lgdegf]

$$-\frac{-x-1}{-x^2-x+1}$$

Sequence: A213527
Score: 37.8874
Type of gen. func.: lgdegf]

$$-\frac{-x-1}{-x^2-x+1}$$

Sequence: A213527
Score: 4.88839
Type of gen. func.: ogf

$$\{(n^2 + 4 n + 4) a(n + 1) + (n + 3) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 1,$$

$a(2) = 3\}$

Sequence: A213528
Score: 14.9786
Type of gen. func.: lgdegf]

$$-\frac{-x - 2}{-x^2 - 2x + 1}$$

Sequence: A213528
Score: 35.3496
Type of gen. func.: lgdegf]

$$-\frac{-x - 2}{-x^2 - 2x + 1}$$

Sequence: A213528
Score: 5.06320
Type of gen. func.: ogf

$\{(n^2 + 4n + 4) a(n + 1) + (2n + 6) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 2,$

$a(2) = 9\}$

Sequence: A213546
Score: 6.70024
Type of gen. func.: ogf

$$\frac{9x^3 + 35x^2 + 19x + 1}{(x - 1)^6}$$

Sequence: A213546
Score: 7.37780
Type of gen. func.: lgdogf

$$27x^3 + 167x^2 + 165x + 25$$

$$-\frac{}{9 x^{4} + 26 x^{3} - 16 x^{2} - 18 x - 1}$$

Sequence: A213547
Score: 3.74132
Type of gen. func.: ogf

$$\{(n^{2} + 8 n + 15) a(n + 1) + (-2 n^{2} - 16 n - 60) a(n + 2)$$

$$+ (n^{2} + 8 n + 15) a(n + 3), a(0) = 1, a(1) = 12, a(2) = 68\}$$

Sequence: A213547
Score: 6.41370
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^{2} + 4 x + 1)}{(x - 1)^{7}}$$

Sequence: A213547
Score: 8.97917
Type of gen. func.: lgdogf

$$-\frac{4 x^{3} + 28 x^{2} + 40 x + 12}{x^{4} + 4 x^{3} - 4 x - 1}$$

Sequence: A213549
Score: 10.6325
Type of gen. func.: lgdogf

$$-\frac{9 x^{2} + 34 x + 12}{3 x^{3} + 4 x^{2} - 6 x - 1}$$

Sequence: A213549
Score: 8.88286
Type of gen. func.: ogf

$$-\frac{3x^2 + 7x + 1}{(x-1)^5}$$

Sequence: A213552
Score: 10.0970
Type of gen. func.: lgdogf

$$-\frac{24x^2 + 57x + 15}{6x^3 + 3x^2 - 8x - 1}$$

Sequence: A213552
Score: 7.68745
Type of gen. func.: ogf

$$\frac{6x^2 + 9x + 1}{(x-1)^6}$$

Sequence: A213554
Score: 6.66440
Type of gen. func.: ogf

$$\frac{27x^3 + 91x^2 + 37x + 1}{(x-1)^6}$$

Sequence: A213554
Score: 7.33084
Type of gen. func.: lgdogf

$$-\frac{81x^3 + 445x^2 + 367x + 43}{27x^4 + 64x^3 - 54x^2 - 36x - 1}$$

Sequence: A213556
Score: 3.45353
Type of gen. func.: ogf

$$\{(-377 n^2 - 2985 n - 5908) a(n + 1) + (370 n^2 + 1052 n + 1042) a(n + 2) + (7 n^2 + 13 n - 24) a(n + 3), a(0) = 1, a(1) = 19, a(2) = 118\}$$

Sequence: A213556
Score: 6.87182
Type of gen. func.: ogf

$$\frac{3 x^3 + 19 x^2 + 13 x + 1}{(x - 1)^6}$$

Sequence: A213556
Score: 7.83067
Type of gen. func.: lgdogf

$$- \frac{9 x^3 + 85 x^2 + 103 x + 19}{3 x^4 + 16 x^3 - 6 x^2 - 12 x - 1}$$

Sequence: A213557
Score: 6.73505
Type of gen. func.: ogf

$$- \frac{(x^2 + 1) (x + 1)}{(x^2 + x - 1)^2 (x - 1)^3}$$

Sequence: A213559
Score: 4.54987
Type of gen. func.: ogf

$$\frac{27 x^5 + 421 x^4 + 1106 x^3 + 666 x^2 + 83 x + 1}{(x - 1)^8}$$

Sequence: A213560
Score: 4.26224
Type of gen. func.: ogf

$$-\frac{(x+1)(x^2+10x+1)(x^2+4x+1)}{(x-1)^9}$$

Sequence: A213562
Score: 6.83710
Type of gen. func.: ogf

$$\frac{3x^3+16x^2+12x+1}{(x-1)^6}$$

Sequence: A213562
Score: 7.88278
Type of gen. func.: lgdogf

$$-\frac{9x^3+73x^2+92x+18}{3x^4+13x^3-4x^2-11x-1}$$

Sequence: A213563
Score: 10.2507
Type of gen. func.: lgdogf

$$-\frac{-10x^2-22x-10}{-2x^3-x^2+2x+1}$$

Sequence: A213563
Score: 7.08039
Type of gen. func.: ogf

$$(x+1)(2x+1)$$

```
- -----------------
             7
      (x - 1)
```

Sequence: A213565
Score: 7.44484
Type of gen. func.: ogf

$$\frac{16 x^2 + 15 x + 1}{(x - 1)^6}$$

Sequence: A213565
Score: 9.57194
Type of gen. func.: lgdogf

$$-\frac{64 x^2 + 107 x + 21}{16 x^3 - x^2 - 14 x - 1}$$

Sequence: A213567
Score: 4.71859
Type of gen. func.: ogf

$$\frac{9 x^6 + 9 x^5 + 9 x^4 - 20 x^3 - 7 x^2 + 7 x + 1}{(x - 1)^3 (x^2 + x - 1)^3}$$

Sequence: A213569
Score: 4.78099
Type of gen. func.: ogf

$$-(7 f(x) - 1726)$$

$$(4 f(x) x^4 - 12 f(x) x^3 + 13 f(x) x^2 - 6 f(x) x + 4 x^2 + f(x) - x - 1)$$

Sequence: A213569
Score: 7.94911
Type of gen. func.: lgdogf

$$-\frac{16x^3-6x^2-13x+7}{8x^4-14x^3+5x^2+2x-1}$$

Sequence: A213569
Score: 9.29262
Type of gen. func.: ogf

$$-\frac{4x^2-x-1}{(x-1)^2(2x-1)^2}$$

Sequence: A213570
Score: 7.84276
Type of gen. func.: ogf

$$-\frac{x^2+4x+1}{(x^2+x-1)(x-1)^4}$$

Sequence: A213572
Score: 5.79195
Type of gen. func.: ogf

$$\frac{14x^3-14x^2+2x+1}{(4x-1)(2x-1)^2(x-1)^3}$$

Sequence: A213574
Score: 7.06550
Type of gen. func.: ogf

$$\frac{16x^4+10x^3-27x^2+8x+1}{(x-1)^3(2x-1)^3}$$

Sequence: A213575
Score: 7.75728
Type of gen. func.: lgdogf

$$-\frac{6 x^3 + 32 x^2 - 4 x - 10}{2 x^4 + 5 x^3 - 9 x^2 + x + 1}$$

Sequence: A213575
Score: 8.05186
Type of gen. func.: ogf

$$-\frac{x^2 + 4 x + 1}{(2 x - 1) (x - 1)^4}$$

Sequence: A213577
Score: 6.83151
Type of gen. func.: ogf

$$-\frac{2 x^3 - 3 x^2 + x - 1}{(x^2 - 3 x + 1) (x^2 + x - 1)^2}$$

Sequence: A213578
Score: 8.45620
Type of gen. func.: lgdogf

$$-\frac{-4 x^4 - 6 x^2 + 2 x + 4}{-x^5 + x^3 - x^2 + 2 x - 1}$$

Sequence: A213578
Score: 9.26707
Type of gen. func.: ogf

$$\frac{x^2 + 1}{(x - 1)^2 (x^2 + x - 1)^2}$$

Sequence: A213580
Score: 8.15468
Type of gen. func.: ogf

$$-\frac{3x^3+x^2-x-1}{(x-1)^2(x^2+x-1)^2}$$

Sequence: A213581
Score: 7.63859
Type of gen. func.: ogf

$$-\frac{2x^2-1}{(2x-1)^2(x-1)^4}$$

Sequence: A213581
Score: 8.77405
Type of gen. func.: lgdogf

$$-\frac{16x^3-4x^2-16x+8}{4x^4-6x^3+3x-1}$$

Sequence: A213583
Score: 9.05669
Type of gen. func.: lgdogf

$$-\frac{-36x^3+22x^2+14x-9}{-12x^4+22x^3-10x^2-x+1}$$

Sequence: A213583
Score: 9.73594
Type of gen. func.: ogf

$$6x^2-2x-1$$

$$(2x-1)^2\,(x-1)^3$$

Sequence: A213585
Score: 7.27415
Type of gen. func.: ogf

$$-\frac{2x^4+4x^3+2x^2-3x-1}{(x-1)^2\,(x^2+x-1)^2}$$

Sequence: A213586
Score: 8.66435
Type of gen. func.: lgdogf

$$-\frac{3x^3+7x^2+2x-6}{x^4+x^3-2x^2-x+1}$$

Sequence: A213586
Score: 9.00192
Type of gen. func.: ogf

$$\frac{(x+1)^2}{(x^2+x-1)\,(x-1)^3}$$

Sequence: A213588
Score: 7.30875
Type of gen. func.: ogf

$$\frac{x^3-3x^2+2x+1}{(x+1)\,(x^2-3x+1)^2}$$

Sequence: A213589
Score: 8.29561
Type of gen. func.: lgdogf

$$-\frac{8x^3+17x^2+16x+6}{2x^4+5x^3+2x^2-2x-1}$$

Sequence: A213589
Score: 9.85855
Type of gen. func.: ogf

$$-\frac{(x+1)(2x+1)}{(x^2+x-1)^3}$$

Sequence: A213592
Score: 5.92214
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3x^7-2x^6-2x^5-3x^3-3x^2-4x-1}{x^8+x^7+2x^6+x^5+2x^4+x^3+2x^2+x+1}$$

Sequence: A213598
Score: 43.1807
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{1}{-x+1}$$

Sequence: A213604
Score: 8.21012
Type of gen. func.: ogf

$$\frac{6x^7+7x^6+4x^5+6x^4+4x^3+7x^2+6x+1}{(x+1)(x^4+1)(x^2+1)(x-1)^2}$$

Sequence: A213607
Score: 7.60759

Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3x^5-2x^4-x^3-2x-1}{x^6+x^5+x^4+x^2+x+1}$$

Sequence: A213617
Score: 13.1806
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3x^2+4x+2}{-x^3-2x^2-2x-1}$$

Sequence: A213622
Score: 6.98447
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3x^6+2x^4-x^3+4x^2+x+3}{-x^7-x^6-x^5-x^4-x^3-x^2-x-1}$$

Sequence: A213624
Score: 12.2345
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3x^4-x^3-2}{x^5+x^4+x+1}$$

Sequence: A213625
Score: 6.53475
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3x^6+x^5+x^4-x^3+4x^2+2x+2}{-x^7-x^6-x^5-x^4-x^3-x^2-x-1}$$

Sequence: A213627
Score: 16.7586
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3 x^2 - 4 x + 4}{-x^3 - 1}$$

Sequence: A213640
Score: 10.6256
Type of gen. func.: revegf]

$$x + \ln(x - 1) + \ln(x + 1) - \mathrm{Pi}\ I$$

Sequence: A213655
Score: 10.5815
Type of gen. func.: ogf

$$-\frac{5 x^2 + 10 x + 13}{x^3 + x^2 + x - 1}$$

Sequence: A213655
Score: 5.64945
Type of gen. func.: ogf

$$(421 f(x) - 1783) (f(x) x^3 + f(x) x^2 + f(x) x + 5 x^2 - f(x) + 10 x + 13)$$

Sequence: A213655
Score: 5.79683
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) - a(n), a(0) = 13, a(1) = 23, a(2) = 41\}$$

Sequence: A213659
Score: 13.7831
Type of gen. func.: ogf

$$-\frac{36x-11}{(4x-1)(3x-1)}$$

Sequence: A213659
Score: 6.89155
Type of gen. func.: ogf

$$-(23 f(x)+1428)(12 f(x) x^2-7 f(x) x+f(x)+36 x-11)$$

Sequence: A213659
Score: 7.78339
Type of gen. func.: ogf

$$\{a(n+2)-7 a(n+1)+12 a(n), a(0)=11, a(1)=41\}$$

Sequence: A213659
Score: 8.70511
Type of gen. func.: lgdogf

$$-\frac{-432 x^2+264 x-41}{-432 x^3+384 x^2-113 x+11}$$

Sequence: A213661
Score: 5.35635
Type of gen. func.: ogf

$$(22 f(x)+3763)$$

$$(2 f(x) x^4+f(x) x^3+f(x) x^2-x^3-3 f(x) x-2 x^2+f(x)+9 x-4)$$

Sequence: A213661
Score: 9.80839
Type of gen. func.: ogf

$$\frac{x^3+2 x^2-9 x+4}{(2 x-1)(x^3+x^2+x-1)}$$

Sequence: A213663
Score: 10.6258
Type of gen. func.: ogf

$$-\frac{6x^3+7x^2+8x-7}{(2x-1)(x^3+x^2+x-1)}$$

Sequence: A213663
Score: 5.84416
Type of gen. func.: ogf

$$(17 f(x) - 718)$$

$$(2 f(x) x^4 + f(x) x^3 + f(x) x^2 + 6 x^3 - 3 f(x) x + 7 x^2 + f(x) + 8 x - 7)$$

Sequence: A213665
Score: 11.2831
Type of gen. func.: ogf

$$-\frac{7x^2+10x+13}{x^3+x^2+x-1}$$

Sequence: A213665
Score: 6.02403
Type of gen. func.: ogf

$$(577 f(x) - 1581) (f(x) x^3 + f(x) x^2 + f(x) x + 7 x^2 - f(x) + 10 x + 13)$$

Sequence: A213665
Score: 6.18118
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) - a(n), a(0) = 13, a(1) = 23, a(2) = 43\}$$

Sequence: A213667
Score: 11.2388
Type of gen. func.: ogf

$$-\frac{x^3 + x^2 - 3 x - 1}{(x - 1) (x^2 + 2 x - 1)}$$

Sequence: A213667
Score: 5.78712
Type of gen. func.: ogf

$$\{-a(n + 4) + 3 a(n + 3) - a(n + 2) - a(n + 1), a(0) = 1, a(1) = 6, a(2) = 16, a(3) = 40\}$$

Sequence: A213667
Score: 6.40887
Type of gen. func.: ogf

$$(31 + 49 f(x)) (f(x) x^3 + f(x) x^2 + x^3 - 3 f(x) x + x^2 + f(x) - 3 x - 1)$$

Sequence: A213667
Score: 9.23183
Type of gen. func.: lgdogf

$$-\frac{6 x^2 + 4 x - 6}{-x^6 - 2 x^5 + 5 x^4 + 6 x^3 - 9 x^2 + 1}$$

Sequence: A213684
Score: 4.16004
Type of gen. func.: ogf

$$-27 f(x)^3 x^4 - 22 f(x)^3 x^3 + 5 x^2 f(x)^3 - 54 f(x)^2 x^3 - 44 f(x)^2 x^2 + 10 f(x)^2 x - 36 f(x) x^2 - 27 f(x) x + 5 f(x) - 8 x - 5$$

Sequence: A213688

Score: 8.00036
Type of gen. func.: ogf

$$\frac{x (x^2 + 4 x - 1)}{(x - 1) (x^2 + 14 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A213698
Score: 3.35784
Type of gen. func.: ogf

$$- \frac{4 x^8 + 59 x^7 + 425 x^6 + 1111 x^5 + 1803 x^4 + 1461 x^3 + 731 x^2 + 153 x + 13}{(x + 1)^4 (x - 1)^7}$$

Sequence: A213705
Score: 7.88374
Type of gen. func.: ogf

$$-f(x)^2 x^3 - 2 f(x) x^3 - 2 f(x) x^2 - x^3 + f(x) x - 3 x^2 + f(x) - 3 x - 1$$

Sequence: A213720
Score: 4.93659
Type of gen. func.: ogf

$\{(n + 5) a(n + 1) + (-n - 5) a(n + 2) + a(n + 4) - 2 a(n + 3), a(0) = 0,$

$a(1) = 0, a(2) = 1, a(3) = 2\}$

Sequence: A213748
Score: 6.92265
Type of gen. func.: ogf

$$\frac{14 x^2 - 4 x - 1}{(2 x - 1) (4 x - 1)^2 (x - 1)^2}$$

Sequence: A213749
Score: 10.0416

Type of gen. func.: lgdogf

$$-\frac{16x^3-6x^2-16x+9}{4x^4-6x^3+3x-1}$$

Sequence: A213749
Score: 4.15129
Type of gen. func.: ogf

$$\{(-2n^2-20n-50)\,a(n+1)+(3n^2+24n+45)\,a(n+2)$$
$$+(-n^2-6n-9)\,a(n+3),\ a(0)=1,\ a(1)=9,\ a(2)=46\}$$

Sequence: A213749
Score: 8.74213
Type of gen. func.: ogf

$$-\frac{2x^2-1}{(x-1)^3\,(2x-1)^3}$$

Sequence: A213754
Score: 5.51375
Type of gen. func.: ogf

$$\frac{12x^4+6x^3-18x^2+5x+1}{(4x-1)\,(2x-1)^2\,(x-1)^3}$$

Sequence: A213755
Score: 6.41543
Type of gen. func.: ogf

$$-\frac{(x+1)\,(2x^2-1)}{(2x-1)^2\,(x-1)^4}$$

Sequence: A213757
Score: 7.53876
Type of gen. func.: lgdogf

$$-\frac{-84 x^3 + 70 x^2 + 10 x - 14}{-28 x^4 + 56 x^3 - 33 x^2 + 4 x + 1}$$

Sequence: A213757
Score: 8.09719
Type of gen. func.: ogf

$$\frac{14 x^2 - 7 x - 1}{(2 x - 1)^2 (x - 1)^3}$$

Sequence: A213758
Score: 10.8706
Type of gen. func.: lgdogf

$$-\frac{24 x^2 + x - 9}{6 x^3 - 7 x^2 + 1}$$

Sequence: A213758
Score: 3.58437
Type of gen. func.: ogf

{(n + 4) a(n + 4) - 9 a(n + 3) + (-13 - 7 n) a(n + 2) + (30 + 6 n) a(n + 1),

a(0) = 1, a(1) = 9, a(2) = 40, a(3) = 130}

Sequence: A213758
Score: 9.33955
Type of gen. func.: ogf

$$-\frac{3 x + 1}{(2 x - 1) (x - 1)^4}$$

Sequence: A213759
Score: 8.80564
Type of gen. func.: ogf

$$-\frac{x^{3} - x^{2} - x - 1}{(x + 1)(x - 1)^{4}}$$

Sequence: A213759
Score: 9.24048
Type of gen. func.: lgdogf

$$-\frac{2 x^{4} - 4 x^{2} - 10 x - 4}{x^{5} - x^{4} - 2 x^{3} + x + 1}$$

Sequence: A213760
Score: 6.76859
Type of gen. func.: ogf

$$\frac{(2 x^{2} + x + 1)(x^{2} - x - 1)}{(x + 1)^{3} (x - 1)^{5}}$$

Sequence: A213763
Score: 4.51132
Type of gen. func.: ogf

$-(62 f(x) - 14045)$

$$(4 f(x) x^{4} - 12 f(x) x^{3} + 13 f(x) x^{2} - 6 f(x) x + 10 x^{2} + f(x) - 5 x - 1)$$

Sequence: A213763
Score: 7.31146
Type of gen. func.: lgdogf

$$-\frac{-40 x^{3} + 30 x^{2} + 13 x - 11}{\;^{4} \qquad ^{3} \qquad ^{2}}$$

-20 x + 40 x - 23 x + 2 x + 1

Sequence: A213763
Score: 8.83468
Type of gen. func.: ogf

$$-\frac{10 x^2 - 5 x - 1}{(x - 1)^2 (2 x - 1)^2}$$

Sequence: A213764
Score: 10.4882
Type of gen. func.: ogf

$$\frac{3 x + 1}{(2 x - 1) (x - 1)^3}$$

Sequence: A213764
Score: 10.4882
Type of gen. func.: lgdogf

$$-\frac{18 x^2 + 2 x - 8}{6 x^3 - 7 x^2 + 1}$$

Sequence: A213764
Score: 3.47708
Type of gen. func.: ogf

$\{(n + 4) a(n + 4) - 8 a(n + 3) + (-12 - 7 n) a(n + 2) + (24 + 6 n) a(n + 1),$

$a(0) = 1, a(1) = 8, a(2) = 31, a(3) = 90\}$

Sequence: A213764
Score: 5.03766
Type of gen. func.: ogf

(3856 f(x) + 7027)

4 3 2

$(2 f(x) x - 7 f(x) x + 9 f(x) x - 5 f(x) x + f(x) - 3 x - 1)$

Sequence: A213766
Score: 6.68414
Type of gen. func.: ogf

$$\frac{x^4 - 4 x^3 + 5 x^2 + 1}{(x^2 - 3 x + 1) (x^2 + x - 1)^2}$$

Sequence: A213767
Score: 7.76274
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)}{(x - 1)^2 (x^2 + x - 1)^2}$$

Sequence: A213769
Score: 7.99918
Type of gen. func.: ogf

$$- \frac{7 x^3 + 2 x^2 - 4 x - 1}{(x - 1)^2 (x^2 + x - 1)^2}$$

Sequence: A213770
Score: 10.0959
Type of gen. func.: ogf

$$\frac{3 x + 1}{(x^2 + x - 1) (x - 1)^3}$$

Sequence: A213770
Score: 8.49529
Type of gen. func.: lgdogf

3 2

$$-\frac{-12 x - 11 x + 4 x + 7}{-3 x^{4} - x^{3} + 6 x^{2} - x - 1}$$

Sequence: A213772
Score: 4.51577
Type of gen. func.: ogf

$(142080 f(x) + 758363)$

$$(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 4 f(x) x - 4 x^{2} + f(x) - 7 x - 1)$$

Sequence: A213772
Score: 9.09699
Type of gen. func.: ogf

$$\frac{4 x^{2} + 7 x + 1}{(x - 1)^{4}}$$

Sequence: A213772
Score: 9.51048
Type of gen. func.: lgdogf

$$-\frac{8 x^{2} + 29 x + 11}{4 x^{3} + 3 x^{2} - 6 x - 1}$$

Sequence: A213775
Score: 7.09498
Type of gen. func.: ogf

$$-\frac{5 x^{4} + 9 x^{3} + 2 x^{2} - 7 x - 1}{(x - 1)^{2} (x^{2} + x - 1)^{2}}$$

Sequence: A213776
Score: 8.78566
Type of gen. func.: ogf

$$\frac{(x + 1) (3 x + 1)}{(x^2 + x - 1) (x - 1)^3}$$

Sequence: A213779
Score: 8.25641
Type of gen. func.: lgdogf

$$- \frac{-3 x^4 - 10 x^3 - 27 x^2 - 18 x - 6}{-x^5 - 2 x^4 - 3 x^3 + x^2 + 4 x + 1}$$

Sequence: A213779
Score: 8.78909
Type of gen. func.: ogf

$$\frac{x^3 + 2 x^2 + 4 x + 1}{(x + 1)^2 (x - 1)^4}$$

Sequence: A213780
Score: 11.2127
Type of gen. func.: lgdogf

$$- \frac{-18 x^2 - 16 x - 6}{-3 x^3 - x^2 + 3 x + 1}$$

Sequence: A213780
Score: 3.70020
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (-3 - 3 n) a(n + 3) + (18 + n) a(n + 2)$$

$$+ (21 + 3 n) a(n + 1), a(0) = 1, a(1) = 6, a(2) = 17, a(3) = 40\}$$

Sequence: A213780
Score: 8.70634

Type of gen. func.: ogf

$$-\frac{3x+1}{(x+1)^2 (x-1)^5}$$

Sequence: A213782
Score: 7.78258
Type of gen. func.: lgdogf

$$-\frac{4x^5+4x^4-8x^3-33x^2-24x-7}{2x^6-6x^4-5x^3+3x^2+5x+1}$$

Sequence: A213782
Score: 8.87046
Type of gen. func.: ogf

$$-\frac{2x^4-4x^2-5x-1}{(x+1)^2 (x-1)^4}$$

Sequence: A213785
Score: 9.24894
Type of gen. func.: ogf

$$-\frac{x^2 (x-2)}{(x-1)(x^2-6x+1)(x^2+2x-1)}$$

Sequence: A213787
Score: 6.63700
Type of gen. func.: ogf

$$\frac{x^3 (x^4+2x^3-4x^2-5x-2)}{(x+1)(x^2-3x+1)(x^2+x-1)(x^2+4x-1)(x^2-x-1)}$$

Sequence: A213788
Score: 5.47372
Type of gen. func.: ogf

$$\frac{x^3 (x^4 + 2 x^3 - 23 x^2 + 4 x + 10)}{(x - 1) (x^2 - 6 x + 1) (x^2 + 2 x - 1) (x^2 + 14 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A213791
Score: 14.0658
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-6 x^3 - 6 x^2 - 6}{x^4 - 1}$$

Sequence: A213801
Score: 6.94375
Type of gen. func.: ogf

$$- \frac{x^7 - 2 x^6 - x^5 - 7 x^3 - 3 x^2 - 5 x - 4}{(x^2 + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A213802
Score: 3.70319
Type of gen. func.: ogf

$$- \frac{x^9 - 4 x^8 + 4 x^7 + 22 x^6 + 86 x^5 + 266 x^4 + 380 x^3 + 258 x^2 + 97 x + 18}{(x + 1)^3 (x - 1)^7}$$

Sequence: A213807
Score: 4.46742
Type of gen. func.: ogf

$$- \frac{x^2 (x^6 - 19 x^5 + 4 x^4 + 53 x^3 + 7 x^2 - 8 x - 6)}{(x - 1) (x + 1) (x^2 - 3 x + 1) (x^2 + x - 1) (x^2 + 4 x - 1) (x^2 - x - 1)}$$

Sequence: A213809
Score: 13.2086
Type of gen. func.: ogf

$$-\frac{2 x^{14} - 2 x^{12} + 2 x^{11} + x^{10} - 2 x^{9} - 2 x^{4} - 1}{(x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A213810
Score: 11.4690
Type of gen. func.: ogf

$$-\frac{15047 x^{2} - 29600 x + 14561}{(x - 1)^{3}}$$

Sequence: A213810
Score: 6.02329
Type of gen. func.: ogf

$$(874744 f(x) - 198880202529)$$

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 15047 x^{2} - f(x) - 29600 x + 14561)$$

Sequence: A213810
Score: 6.75192
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 14561, a(1) = 14083,$

$a(2) = 13613\}$

Sequence: A213810
Score: 9.10041
Type of gen. func.: lgdogf

$$-\frac{-15047 x^{2} + 29106 x - 14083}{{}^{3} \qquad\qquad {}^{2}}$$

$$-15047 x + 44647 x - 44161 x + 14561$$

Sequence: A213816
Score: 12.9834
Type of gen. func.: ogf

$$-\frac{x^3 + x + 1}{x^6 + x^4 + x^2 - 1}$$

Sequence: A213818
Score: 7.76940
Type of gen. func.: ogf

$$-\frac{(2 x + 1) (5 x + 1)}{(x - 1)^5}$$

Sequence: A213818
Score: 9.14047
Type of gen. func.: lgdogf

$$-\frac{30 x^2 + 48 x + 12}{10 x^3 - 3 x^2 - 6 x - 1}$$

Sequence: A213820
Score: 10.2378
Type of gen. func.: ogf

$$\frac{2 (5 x + 1)}{(x - 1)^4}$$

Sequence: A213820
Score: 12.9540
Type of gen. func.: lgdogf

```
   -15 x - 9
- ---------------
```

$$-5 x^2 + 4 x + 1$$

Sequence: A213820
Score: 4.14866
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-1 + 4 n) a(n + 2) + (-20 - 5 n) a(n + 1), a(0) = 2, a(1) = 18, a(2) = 60\}$$

Sequence: A213820
Score: 6.3382
Type of gen. func.: ogf

$$(296352 f(x) + 2313839) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + f(x) - 10 x - 2)$$

Sequence: A213823
Score: 4.16815
Type of gen. func.: ogf

$$(49764096 f(x) + 900111755) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 7 x^2 + f(x) - 25 x - 4)$$

Sequence: A213823
Score: 8.63403
Type of gen. func.: ogf

$$\frac{7 x^2 + 25 x + 4}{(x - 1)^4}$$

Sequence: A213823
Score: 8.75916
Type of gen. func.: lgdogf

$$- \frac{14 x^2 + 89 x + 41}{}$$

$$7 x^3 + 18 x^2 - 21 x - 4$$

Sequence: A213824
Score: 7.52515
Type of gen. func.: ogf

$$-\frac{2 (x + 2) (2 x + 1)}{(x - 1)^5}$$

Sequence: A213824
Score: 9.12139
Type of gen. func.: lgdogf

$$-\frac{-6 x^2 - 24 x - 15}{-2 x^3 - 3 x^2 + 3 x + 2}$$

Sequence: A213826
Score: 5.71948
Type of gen. func.: ogf

$$(2368 f(x) + 42097)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 8 x^2 + f(x) - 26 x - 2)$$

Sequence: A213826
Score: 8.58497
Type of gen. func.: ogf

$$\frac{2 (4 x^2 + 13 x + 1)}{(x - 1)^4}$$

Sequence: A213826
Score: 8.96937
Type of gen. func.: lgdogf

2

$$-\frac{8 x + 47 x + 17}{4 x^{3} + 9 x^{2} - 12 x - 1}$$

Sequence: A213827
Score: 7.48264
Type of gen. func.: ogf

$$-\frac{(x + 2) (5 x + 1)}{(x - 1)^{5}}$$

Sequence: A213827
Score: 8.93449
Type of gen. func.: lgdogf

$$-\frac{15 x^{2} + 54 x + 21}{5 x^{3} + 6 x^{2} - 9 x - 2}$$

Sequence: A213829
Score: 4.35469
Type of gen. func.: ogf

$$(3174 f(x) + 49393)$$

$$(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 4 f(x) x - 14 x^{2} + f(x) - 20 x - 2)$$

Sequence: A213829
Score: 8.46406
Type of gen. func.: ogf

$$\frac{2 (7 x^{2} + 10 x + 1)}{(x - 1)^{4}}$$

Sequence: A213829
Score: 8.96937
Type of gen. func.: lgdogf

$$-\frac{14x^2+44x+14}{7x^3+3x^2-9x-1}$$

Sequence: A213830
Score: 12.4711
Type of gen. func.: lgdogf

$$-\frac{-6x-9}{-2x^2+x+1}$$

Sequence: A213830
Score: 3.93823
Type of gen. func.: ogf

$$\{(n+3)\,a(n+3)+(-7+n)\,a(n+2)+(-2n-8)\,a(n+1),\ a(0)=2,\ a(1)=18,\ a(2)=78\}$$

Sequence: A213830
Score: 7.57735
Type of gen. func.: ogf

$$-\frac{2\,(2x+1)^2}{(x-1)^5}$$

Sequence: A213832
Score: 4.0705
Type of gen. func.: ogf

$$(1122011136\,f(x)+12148137575)\,(f(x)\,x^4-4\,f(x)\,x^3+6\,f(x)\,x^2-4\,f(x)\,x-8\,x^2+f(x)-15\,x-1)$$

Sequence: A213832
Score: 8.66434
Type of gen. func.: ogf

$$\frac{8 x^2 + 15 x + 1}{(x - 1)^4}$$

Sequence: A213832
Score: 8.91918
Type of gen. func.: lgdogf

$$- \frac{16 x^2 + 61 x + 19}{8 x^3 + 7 x^2 - 14 x - 1}$$

Sequence: A213834
Score: 7.73734
Type of gen. func.: ogf

$$- \frac{(2 x + 1) (3 x + 1)}{(x - 1)^5}$$

Sequence: A213834
Score: 9.12313
Type of gen. func.: lgdogf

$$- \frac{18 x^2 + 32 x + 10}{6 x^3 - x^2 - 4 x - 1}$$

Sequence: A213837
Score: 4.19102
Type of gen. func.: ogf

$$(223494144 f(x) + 1555559233)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 6 x^2 + f(x) - 9 x - 1)$$

Sequence: A213837
Score: 8.86796

Type of gen. func.: ogf

$$\frac{6 x^2 + 9 x + 1}{(x - 1)^4}$$

Sequence: A213837
Score: 9.13267
Type of gen. func.: lgdogf

$$- \frac{12 x^2 + 39 x + 13}{6 x^3 + 3 x^2 - 8 x - 1}$$

Sequence: A213839
Score: 4.16825
Type of gen. func.: ogf

$$(296984576 f(x) + 3972855401)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 15 x^2 + f(x) - 16 x - 1)$$

Sequence: A213839
Score: 8.68876
Type of gen. func.: ogf

$$\frac{(x + 1) (15 x + 1)}{(x - 1)^4}$$

Sequence: A213839
Score: 8.94061
Type of gen. func.: lgdogf

$$- \frac{30 x^2 + 78 x + 20}{15 x^3 + x^2 - 15 x - 1}$$

Sequence: A213840
Score: 10.2843
Type of gen. func.: ogf

$$-\frac{(3 x + 1)^{2}}{(x - 1)^{5}}$$

Sequence: A213840
Score: 16.5808
Type of gen. func.: lgdogf

$$-\frac{-9 x - 11}{-3 x^{2} + 2 x + 1}$$

Sequence: A213840
Score: 5.31018
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-7 + 2 n) a(n + 2) + (-12 - 3 n) a(n + 1), a(0) = 1, a(1) = 11, a(2) = 54\}$$

Sequence: A213842
Score: 4.21508
Type of gen. func.: ogf

$$(338419712 f(x) + 4866686291) (f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 4 f(x) x - 11 x^{2} + f(x) - 20 x - 1)$$

Sequence: A213842
Score: 8.78638
Type of gen. func.: ogf

$$\frac{11 x^{2} + 20 x + 1}{(x - 1)^{4}}$$

Sequence: A213842
Score: 9.04106
Type of gen. func.: lgdogf

$$-\frac{22 x^2 + 82 x + 24}{11 x^3 + 9 x^2 - 19 x - 1}$$

Sequence: A213843
Score: 11.1436
Type of gen. func.: lgdogf

$$-\frac{21 x^2 + 46 x + 13}{7 x^3 + x^2 - 7 x - 1}$$

Sequence: A213843
Score: 3.69616
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (8 + 7 n) a(n + 3) + (-48 - n) a(n + 2)$$
$$+ (-28 - 7 n) a(n + 1), a(0) = 1, a(1) = 13, a(2) = 62, a(3) = 190\}$$

Sequence: A213843
Score: 9.45094
Type of gen. func.: ogf

$$-\frac{(x + 1) (7 x + 1)}{(x - 1)^5}$$

Sequence: A213845
Score: 4.26733
Type of gen. func.: ogf

$$(378413056 f(x) + 5604606645)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 9 x^2 + f(x) - 20 x - 3)$$

Sequence: A213845
Score: 8.96141
Type of gen. func.: ogf

$$\frac{9 x^2 + 20 x + 3}{(x - 1)^4}$$

Sequence: A213845
Score: 9.09129
Type of gen. func.: lgdogf

$$- \frac{18 x^2 + 78 x + 32}{9 x^3 + 11 x^2 - 17 x - 3}$$

Sequence: A213846
Score: 7.53430
Type of gen. func.: ogf

$$- \frac{(x + 1) (5 x + 3)}{(x - 1)^5}$$

Sequence: A213846
Score: 8.88373
Type of gen. func.: lgdogf

$$- \frac{-15 x^2 - 42 x - 23}{-5 x^3 - 3 x^2 + 5 x + 3}$$

Sequence: A213848
Score: 4.26733
Type of gen. func.: ogf

$$(430465024 f(x) + 7246056095)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 5 x^2 + f(x) - 24 x - 3)$$

Sequence: A213848
Score: 8.96141
Type of gen. func.: ogf

$$\frac{5 x^{2} + 24 x + 3}{(x - 1)^{4}}$$

Sequence: A213848
Score: 9.09129
Type of gen. func.: lgdogf

$$- \frac{10 x^{2} + 82 x + 36}{5 x^{3} + 19 x^{2} - 21 x - 3}$$

Sequence: A213850
Score: 6.98888
Type of gen. func.: ogf

$$- \frac{2 x^{2} + x + 1}{(x + 1)^{3} (x - 1)^{5}}$$

Sequence: A213850
Score: 7.83092
Type of gen. func.: lgdogf

$$- \frac{12 x^{3} + 11 x^{2} + 14 x + 3}{2 x^{4} + x^{3} - x^{2} - x - 1}$$

Sequence: A213933
Score: 12.8662
Type of gen. func.: ogf

$$\frac{2 x^{9} - 2 x^{4} - 3 x^{2} - x - 1}{{}^{3}}$$

$$3 x - 1$$

Sequence: A213963
Score: 5.18601
Type of gen. func.: ogf

$$-\left(x^{9} - 10 x^{8} + 45 x^{7} - 120 x^{6} + 129 x^{5} - 1910 x^{4} - 5945 x^{3} - 6410 x^{2} - 1806 x - 138\right) / (x - 1)^{10}$$

Sequence: A213967
Score: 13.6425
Type of gen. func.: ogf

$$\frac{x (x^{3} - x^{2} + 1)}{(x - 1) (x^{3} + x^{2} + x - 1)}$$

Sequence: A213967
Score: 7.69924
Type of gen. func.: ogf

$$(134 f(x) + 129) (f(x) x^{4} - x^{4} + x^{3} - 2 f(x) x + f(x) - x)$$

Sequence: A214066
Score: 9.74278
Type of gen. func.: ogf

$$\frac{x (5 x^{3} + 3 x^{2} + 4 x + 3)}{(x + 1) (x^{2} + 1) (x - 1)^{2}}$$

Sequence: A214067
Score: 9.59627
Type of gen. func.: ogf

$$x (8 x^{3} + 5 x^{2} + 7 x + 5)$$

$$\frac{}{(x+1)\,(x^2+1)\,(x-1)^2}$$

Sequence: A214068
Score: 9.96916
Type of gen. func.: ogf

$$\frac{x\,(3\,x^3+2\,x^2+3\,x+1)}{(x+1)\,(x^2+1)\,(x-1)^2}$$

Sequence: A214081
Score: 6.83581
Type of gen. func.: ogf

$$-\frac{36\,x^{37}-32\,x^{27}-9\,x^{26}-9\,x^{18}-8\,x^{8}-8}{(x-1)\,(36\,x^{37}-9\,x^{18}-8)}$$

Sequence: A214084
Score: 10.6482
Type of gen. func.: ogf

$$\frac{x\,(12\,x^{26}-12\,x^{25}-2\,x^2+2\,x+1)}{(x-1)^2}$$

Sequence: A214085
Score: 6.22171
Type of gen. func.: ogf

$$-\frac{x\,(22\,x^4+161\,x^3+153\,x^2+23\,x+1)}{(x-1)^7}$$

Sequence: A214085
Score: 6.89432
Type of gen. func.: lgdogf

$$-\frac{66 x^4 + 732 x^3 + 1248 x^2 + 444 x + 30}{22 x^5 + 139 x^4 - 8 x^3 - 130 x^2 - 22 x - 1}$$

Sequence: A214090
Score: 10.2372
Type of gen. func.: ogf

$$-\frac{x^2 (x^3 + x^2 + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A214091
Score: 11.6636
Type of gen. func.: lgdogf

$$-\frac{-60 x^2 + 36 x - 5}{-60 x^3 + 68 x^2 - 25 x + 3}$$

Sequence: A214091
Score: 17.4953
Type of gen. func.: ogf

$$\frac{10 x - 3}{(3 x - 1) (2 x - 1)}$$

Sequence: A214091
Score: 8.47141
Type of gen. func.: ogf

$$-(303 f(x) + 1534) (6 f(x) x^2 - 5 f(x) x + f(x) - 10 x + 3)$$

Sequence: A214091
Score: 9.81445
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - 6 a(n), a(0) = -3, a(1) = -5\}$$

Sequence: A214092
Score: 4.11608
Type of gen. func.: ogf

$$(36055296 f(x) + 549841207)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 16 x^2 + f(x) - 19 x - 1)$$

Sequence: A214092
Score: 8.46406
Type of gen. func.: ogf

$$\frac{16 x^2 + 19 x + 1}{(x - 1)^4}$$

Sequence: A214092
Score: 8.70939
Type of gen. func.: lgdogf

$$-\frac{32 x^2 + 89 x + 23}{16 x^3 + 3 x^2 - 18 x - 1}$$

Sequence: A214098
Score: 3.17115
Type of gen. func.: ogf

$$(42742317 f(x) - 93258260) (24 f(x) x^4 - 86 f(x) x^3 + 71 f(x) x^2 + 32 x^3$$

$$- 19 f(x) x - 105 x^2 + f(x) + 66 x - 11)$$

Sequence: A214098
Score: 5.89981
Type of gen. func.: ogf

$$-\frac{32 x^3 - 105 x^2 + 66 x - 11}{(2 x - 1) (12 x^3 - 37 x^2 + 17 x - 1)}$$

Sequence: A214099
Score: 4.12664
Type of gen. func.: ogf

$$-(22613 f(x) + 30597)$$

$$(16 f(x) x^3 - 36 f(x) x^2 + 18 f(x) x + 28 x^2 - f(x) - 56 x + 21)$$

Sequence: A214099
Score: 4.39948
Type of gen. func.: ogf

$$\{-a(n + 3) + 18 a(n + 2) - 36 a(n + 1) + 16 a(n), a(0) = 21, a(1) = 322,$$

$$a(2) = 5068\}$$

Sequence: A214099
Score: 7.94533
Type of gen. func.: ogf

$$-\frac{7 (2 x - 1) (2 x - 3)}{16 x^3 - 36 x^2 + 18 x - 1}$$

Sequence: A214102
Score: 4.93094
Type of gen. func.: ogf

$$-\frac{(2 x^2 - 1) (8 x^3 - 8 x^2 - 23 x + 9)}{(x - 1) (2 x - 1) (x + 1) (2 x^2 + 4 x + 1) (2 x^2 - 5 x + 1)}$$

Sequence: A214107
Score: 3.69973
Type of gen. func.: ogf

$-(103320243240 f(x) - 73119873041)$

$$(73 f(x) x^3 - 107 f(x) x^2 + 35 f(x) x + 45 x^2 - f(x) - 29 x + 4)$$

Sequence: A214107
Score: 4.34183
Type of gen. func.: ogf

$$\{-a(n + 3) + 35 a(n + 2) - 107 a(n + 1) + 73 a(n), a(0) = 4, a(1) = 111, a(2) = 3502\}$$

Sequence: A214107
Score: 7.84122
Type of gen. func.: ogf

$$-\frac{(5 x - 1) (9 x - 4)}{(x - 1) (73 x^2 - 34 x + 1)}$$

Sequence: A214108
Score: 4.65879
Type of gen. func.: ogf

$$-(2212 f(x) + 325) (66 f(x) x^2 - 68 f(x) x + f(x) + 10 x - 10)$$

Sequence: A214108
Score: 5.24783
Type of gen. func.: ogf

$$\{a(n + 2) - 68 a(n + 1) + 66 a(n), a(0) = 10, a(1) = 670\}$$

Sequence: A214108
Score: 6.34112
Type of gen. func.: lgdogf

$$-\frac{-66 x^2 + 132 x - 67}{-66 x^3 + 134 x^2 - 69 x + 1}$$

Sequence: A214108
Score: 9.31757
Type of gen. func.: ogf

$$-\frac{10\,(x-1)}{66\,x^{2}-68\,x+1}$$

Sequence: A214113
Score: 3.76822
Type of gen. func.: ogf

$$-(4617286771840\,f(x)-882872482779)$$

$$(21\,f(x)\,x^{4}+4\,f(x)\,x^{3}-22\,f(x)\,x^{2}-4\,f(x)\,x+21\,x^{2}+f(x)+5\,x-4)$$

Sequence: A214113
Score: 8.32147
Type of gen. func.: ogf

$$-\frac{(7\,x+4)\,(3\,x-1)}{(x-1)\,(3\,x+1)\,(7\,x-1)\,(x+1)}$$

Sequence: A214129
Score: 13.1020
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{11}+x^{7}+x^{4}+1}{x^{13}-1}$$

Sequence: A214130
Score: 12.9555
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{10}-x^{9}-x^{2}-x}{-x^{13}+1}$$

Sequence: A214131
Score: 12.0611
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{8} - x^{6} - x^{5} - x^{3}}{-x^{13} + 1}$$

Sequence: A214135
Score: 11.7835
Type of gen. func.: ogf

$$-\frac{17\,x - 1}{(32\,x - 1)\,(2\,x - 1)}$$

Sequence: A214135
Score: 5.89175
Type of gen. func.: ogf

$$-(450\,f(x) - 161)\,(64\,f(x)\,x^{2} - 34\,f(x)\,x + f(x) + 17\,x - 1)$$

Sequence: A214135
Score: 6.65421
Type of gen. func.: ogf

$$\{a(n + 2) - 34\,a(n + 1) + 64\,a(n),\ a(0) = 1,\ a(1) = 17\}$$

Sequence: A214135
Score: 7.44221
Type of gen. func.: lgdogf

$$-\frac{-1088\,x^{2} + 128\,x - 17}{-1088\,x^{3} + 642\,x^{2} - 51\,x + 1}$$

Sequence: A214136
Score: 4.04306

Type of gen. func.: ogf

$$-\frac{1880 x^4 - 4226 x^3 + 2161 x^2 - 259 x + 4}{(x - 1) (4 x^2 - 7 x + 1) (780 x^2 - 121 x + 1)}$$

Sequence: A214137
Score: 2.91832
Type of gen. func.: ogf

$$-(508411038695622435118 f(x) - 8183093789864398685401)$$

$$(15312 f(x) x^3 - 4754 f(x) x^2 + 373 f(x) x + 6743 x^2 - f(x) - 1029 x + 11)$$

Sequence: A214137
Score: 3.83169
Type of gen. func.: ogf

{-a(n + 3) + 373 a(n + 2) - 4754 a(n + 1) + 15312 a(n), a(0) = 11, a(1) = 3074,

a(2) = 1101051}

Sequence: A214137
Score: 6.51886
Type of gen. func.: ogf

$$-\frac{6743 x^2 - 1029 x + 11}{(6 x - 1) (2552 x^2 - 367 x + 1)}$$

Sequence: A214142
Score: 4.65463
Type of gen. func.: ogf

$$-(9671 f(x) + 6172)$$

$$(8 f(x) x^4 - 6 f(x) x^3 - 7 f(x) x^2 + 6 f(x) x + 5 x^2 - f(x) - 5 x + 1)$$

Sequence: A214142
Score: 9.37674

Type of gen. func.: ogf

$$-\frac{5 x^2 - 5 x + 1}{(x - 1) (4 x - 1) (2 x - 1) (x + 1)}$$

Sequence: A214143
Score: 4.36986
Type of gen. func.: ogf

$$-\frac{260 x^4 + 118 x^3 - 113 x^2 - 23 x + 4}{(x - 1) (3 x - 1) (2 x + 1) (13 x - 1) (4 x + 1) (x + 1)}$$

Sequence: A214160
Score: 3.40104
Type of gen. func.: ogf

$$(1041541221735 f(x) + 93970698452)$$

$$(1562 f(x) x^3 - 945 f(x) x^2 + 84 f(x) x + 335 x^2 - f(x) - 66 x + 1)$$

Sequence: A214160
Score: 3.99131
Type of gen. func.: ogf

$\{-a(n + 3) + 84 a(n + 2) - 945 a(n + 1) + 1562 a(n), a(0) = 1, a(1) = 18,$

$a(2) = 902\}$

Sequence: A214160
Score: 6.89926
Type of gen. func.: ogf

$$-\frac{335 x^2 - 66 x + 1}{(71 x - 1) (2 x - 1) (11 x - 1)}$$

Sequence: A214167
Score: 6.97789
Type of gen. func.: ogf

$$-\frac{19 x^3 - 24 x^2 + 9 x - 1}{(x - 1) (3 x - 1) (2 x - 1) (5 x - 1) (x + 1)}$$

Sequence: A214181
Score: 4.53400
Type of gen. func.: ogf

$$-\frac{21313 x^3 - 4292 x^2 + 161 x - 1}{(11 x - 1) (32 x - 1) (2 x - 1) (134 x - 1)}$$

Sequence: A214188
Score: 5.26217
Type of gen. func.: ogf

$$-\frac{91 x^4 - 135 x^3 + 68 x^2 - 14 x + 1}{(x - 1) (6 x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (x + 1)}$$

Sequence: A214232
Score: 3.54116
Type of gen. func.: ogf

$$-\frac{2539805 x^4 - 549839 x^3 + 24858 x^2 - 325 x + 1}{(227 x - 1) (71 x - 1) (32 x - 1) (2 x - 1) (11 x - 1)}$$

Sequence: A214239
Score: 4.38079
Type of gen. func.: ogf

$$-\frac{531 x^5 - 881 x^4 + 535 x^3 - 151 x^2 + 20 x - 1}{(x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (7 x - 1) (5 x - 1) (x + 1)}$$

Sequence: A214260
Score: 12.2322
Type of gen. func.: ogf

$$-\frac{(x + 1) x}{x^3 + 2 x - 1}$$

Sequence: A214260
Score: 6.44494
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + a(n), a(0) = 0, a(1) = 1, a(2) = 3\}$$

Sequence: A214260
Score: 7.88657
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 3 x^2 + 3}{x^4 + x^3 + 2 x^2 + x - 1}$$

Sequence: A214260
Score: 8.94595
Type of gen. func.: ogf

$$-f(x) x^3 - 2 f(x) x - x^2 + f(x) - x$$

Sequence: A214262
Score: 10.1223
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{6 x^5 + 5 x^4 + x^3 + 6 x^2 + x + 5}{-x^6 + 1}$$

Sequence: A214263
Score: 3.59222
Type of gen. func.: ogf_with_Euler_transform]

```
           12    9    8    4    2
          x   + x  + x  + x  - x  + 1
      - --------------------------------------
         13    12    9    8    5    4
```

$$-x - x - x - x - x - x - x - 1$$

Sequence: A214264
Score: 3.41846
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{12} + x^{11} - x^{9} + x^{4} + x^{3} + x^{2}}{-x^{13} - x^{12} - x^{9} - x^{8} - x^{5} - x^{4} - x - 1}$$

Sequence: A214286
Score: 5.58521
Type of gen. func.: ogf

$$\frac{x^{6} (x^{10} + x^{9} + x^{7} + x^{6} + x^{5} + x^{2} + 1)}{(x - 1) (x + 1) (x^{2} + 1) (x^{2} + x - 1) (x^{4} + 1) (x^{8} + 1)}$$

Sequence: A214295
Score: 5.86940
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{8} - x^{6} - x^{2} + x}{x^{9} + x^{6} + x^{3} + 1}$$

Sequence: A214297
Score: 11.8775
Type of gen. func.: ogf

$$\frac{3 x^{4} - 8 x^{3} + 4 x^{2} - 2 x + 1}{(x^{2} + 1) (x + 1) (x - 1)^{3}}$$

Sequence: A214302
Score: 3.98059
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^{13} - x^{11} - x^{10} + 2 x^{9} + 2 x^{5} - x^{2} + x}{-x^{14} + x^{12} - x^{10} + x^{8} - x^{6} + x^{4} - x^{2} + 1}$$

Sequence: A214304
Score: 3.91676
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{11} - 2 x^{10} + x^{9} + 2 x^{8} - x^{7} + 2 x^{3} - 2 x^{2} - x + 2}{-x^{12} - x^{8} - x^{4} - 1}$$

Sequence: A214316
Score: 5.74625
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-2 x^{9} - 3 x^{8} - 2 x^{7} - 3 x^{6} - 2 x^{5} - 2 x^{4} - 2 x^{3} - 3 x^{2} - 2 x - 3}{x^{10} - 1}$$

Sequence: A214320
Score: 7.83313
Type of gen. func.: ogf

$$- (3 x^{15} + 2 x^{13} + x^{12} + 2 x^{11} + x^{10} + 2 x^{9} + 7 x^{8} + 5 x^{7} + 2 x^{6} + 2 x^{5} + 3 x^{4} + 2 x^{3} + x^{2} + x + 1) \Big/ ((x - 1) (x^{2} + x + 1) (x^{6} + x^{3} + 1))$$

Sequence: A214341
Score: 10.6453
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{2} - 1}{x^{4} - x^{3} + x^{2} - x + 1}$$

Sequence: A214345
Score: 11.7319
Type of gen. func.: ogf

$$\frac{x^3 - 3 x^2 + 3 x - 5}{(x + 1) (x - 1)^3}$$

Sequence: A214345
Score: 5.99629
Type of gen. func.: ogf

$$\{(-n - 5) a(n + 1) - 2 a(n + 2) + (n + 3) a(n + 3), a(0) = 5, a(1) = 7, a(2) = 17\}$$

Sequence: A214345
Score: 6.32421
Type of gen. func.: ogf

$$-(724 f(x) - 4365) (f(x) x^4 - 2 f(x) x^3 - x^3 + 2 f(x) x + 3 x^2 - f(x) - 3 x + 5)$$

Sequence: A214345
Score: 8.34535
Type of gen. func.: lgdogf

$$-\frac{x^4 - 4 x^3 + 6 x^2 - 20 x - 7}{x^5 - 3 x^4 + 2 x^3 - 2 x^2 - 3 x + 5}$$

Sequence: A214353
Score: 5.22685
Type of gen. func.: ogf

$$-\frac{x^6 - 7 x^5 + 20 x^4 - 30 x^3 + 23 x^2 - 13 x + 26}{(x - 1)^7}$$

Sequence: A214360
Score: 8.80228
Type of gen. func.: ogf

$$-(f(x) x^2 - 2 f(x) x + f(x) - 3120613837 x - 23)^2$$

Sequence: A214372
Score: 14.5661
Type of gen. func.: revogf

$$-x (x^3 + 2 x^2 + x - 1)$$

Sequence: A214377
Score: 13.3025
Type of gen. func.: ogf

$$1 - 2 f(x) + f(x)^2 - 16 x^2 f(x)^3$$

Sequence: A214377
Score: 5.32101
Type of gen. func.: ogf

$$\{(108 n^2 + 432 n + 420) a(n + 1) + (-n^2 - 7 n - 10) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 24\}$$

Sequence: A214385
Score: 6.77062
Type of gen. func.: ogf

$$-\frac{2 (4 x^3 - 17 x^2 + 19 x + 4)}{(x - 1)^7}$$

Sequence: A214385
Score: 8.32708
Type of gen. func.: lgdogf

$$-\frac{-16x^3+73x^2-80x-47}{-4x^4+21x^3-36x^2+15x+4}$$

Sequence: A214392
Score: 7.10281
Type of gen. func.: ogf

$$\frac{x(x^2-x+1)(x^4+3x^3+5x^2+3x+1)}{(x-1)^2(x+1)^2(x^2+1)^2}$$

Sequence: A214393
Score: 11.5398
Type of gen. func.: ogf

$$\frac{7x^3-19x^2+9x-13}{(x+1)(x-1)^3}$$

Sequence: A214393
Score: 6.16037
Type of gen. func.: ogf

$-(4568 f(x) - 101575)$

$$(f(x)x^4-2f(x)x^3-7x^3+2f(x)x+19x^2-f(x)-9x+13)$$

Sequence: A214393
Score: 8.03264
Type of gen. func.: lgdogf

$$-\frac{7x^4-24x^3+10x^2-72x-17}{7x^5-19x^4+2x^3+6x^2-9x+13}$$

Sequence: A214394
Score: 5.48134

Type of gen. func.: ogf

$$\frac{x (x^{10} + 2 x^9 + 3 x^8 + 4 x^7 + 5 x^6 + x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1)}{(x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2}$$

Sequence: A214395
Score: 15.0188
Type of gen. func.: ogf

$$- \frac{2 x^2 + 9 x + 5}{(x - 1) (x^2 + x + 1)}$$

Sequence: A214395
Score: 8.55723
Type of gen. func.: ogf

$$-(4467 f(x) + 26701) (f(x) x^3 + 2 x^2 - f(x) + 9 x + 5)$$

Sequence: A214395
Score: 9.68318
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n), a(0) = 5, a(1) = 9, a(2) = 2\}$$

Sequence: A214405
Score: 11.4859
Type of gen. func.: ogf

$$- \frac{5 x^3 - 17 x^2 + 27 x + 1}{(x + 1) (x - 1)^3}$$

Sequence: A214405
Score: 6.3711
Type of gen. func.: ogf

$$(4568 f(x) - 77863)$$

$$(f(x) x^4 - 2 f(x) x^3 + 5 x^3 + 2 f(x) x - 17 x^2 - f(x) + 27 x + 1)$$

Sequence: A214405
Score: 7.84135
Type of gen. func.: lgdogf

$$-\frac{-5 x^4 + 24 x^3 - 62 x^2 - 24 x - 29}{-5 x^5 + 17 x^4 - 22 x^3 - 18 x^2 + 27 x + 1}$$

Sequence: A214411
Score: 8.08541
Type of gen. func.: ogf

$$- x^6 (2 x^{42} + x^{35} + x^{28} + x^{21} + x^{14} + x^7 + 1) / ((x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^{42} + x^{35} + x^{28} + x^{21} + x^{14} + x^7 + 1))$$

Sequence: A214414
Score: 8.72766
Type of gen. func.: ogf

$$-\frac{x (993 x^8 - 997 x^7 + 7 x^4 - 9 x^3 + 2 x^2 - 3 x - 1)}{(x - 1)^2}$$

Sequence: A214429
Score: 7.30725
Type of gen. func.: ogf

$$-\frac{x (x^6 + x^5 + 2 x^4 + 7 x^3 + 2 x^2 + x + 1)}{(x + 1)^2 (x^2 + 1)^2 (x - 1)^3}$$

Sequence: A214433

Score: 6.29921
Type of gen. func.: ogf

$$-x\left(445x^{17}-2x^{16}-451x^{15}+15x^{9}-2x^{8}-17x^{7}+3x^{5}-5x^{3}-x-1\right) \Big/ \left((x+1)(x-1)^{2}\right)$$

Sequence: A214438
Score: 11.9059
Type of gen. func.: ogf

$$\frac{x^{2}+x+1}{x^{4}-x^{2}+1}$$

Sequence: A214438
Score: 13.5349
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11}-x^{5}-x^{3}-x^{2}+x+1$$

Sequence: A214438
Score: 6.99623
Type of gen. func.: ogf

$$-(f(x)-2)\left(f(x)\,x^{4}-f(x)\,x^{2}-x^{2}+f(x)-x-1\right)$$

Sequence: A214439
Score: 5.35049
Type of gen. func.: ogf

$$-\left(27x^{11}+27x^{10}+9x^{9}+9x^{8}+3x^{7}+3x^{6}-x^{5}-27x^{4}-9x^{3}-9x^{2}-3x-3\right) \Big/ \left((x-1)(x+1)(3x^{2}-1)(x^{2}+x+1)(x^{2}-x+1)(9x^{4}+3x^{2}+1)\right)$$

```
------------------------------------------------------------------------------

Sequence:  A214446
Score: 10.2772
Type of gen. func.: lgdogf


                                     2
                                 -2 x  - 11 x + 1
                             - --------------------
                                 3      2
                               -x  - 2 x  + 4 x - 1



------------------------------------------------------------------------------

Sequence:  A214446
Score: 4.73773
Type of gen. func.: ogf


-(11475 f(x) + 35197)

           4           3           2                 2
    (f(x) x  - 4 f(x) x  + 6 f(x) x  - 4 f(x) x - 2 x  + f(x) - 6 x + 2)



------------------------------------------------------------------------------

Sequence:  A214446
Score: 9.68145
Type of gen. func.: ogf


                                    2
                                2 (x  + 3 x - 1)
                                ----------------
                                           4
                                    (x - 1)



------------------------------------------------------------------------------

Sequence:  A214449
Score: 4.54489
Type of gen. func.: ogf


  28    27    23    22    18    17    13    12    9    7    5    4    2
(x   - x   + x   - x   + x   - x   + x   - x   + x  - x  + x  + x  + x  + x + 1

        /            2            2                 2
    )  /  ((x + 1) (x  + x + 1) (x  - x + 1) (x - 1) )
      /



------------------------------------------------------------------------------

Sequence:  A214489
Score: 5.19728
Type of gen. func.: ogf


         32        31        28        26        17        16        6       5
- x (24 x   - 24 x   + 18 x   - 24 x   - 25 x   + 25 x   - 20 x  + 20 x

           2         /      26             2
```

$- 15 x + 20) / ((6 x - 5) (x - 1))$
/

Sequence: A214493
Score: 10.4657
Type of gen. func.: lgdogf

$$-\frac{7 x^{4} - 24 x^{3} + 16 x^{2} - 84 x - 23}{7 x^{5} - 19 x^{4} + 4 x^{3} + 2 x^{2} - 11 x + 17}$$

Sequence: A214493
Score: 14.9718
Type of gen. func.: ogf

$$\frac{7 x^{3} - 19 x^{2} + 11 x - 17}{(x + 1) (x - 1)^{3}}$$

Sequence: A214493
Score: 8.16646
Type of gen. func.: ogf

$-(930 f(x) - 24103)$

$$(f(x) x^{4} - 2 f(x) x^{3} - 7 x^{3} + 2 f(x) x + 19 x^{2} - f(x) - 11 x + 17)$$

Sequence: A214505
Score: 3.53751
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{15} - x^{14} + x^{13} + x^{12} - x^{3} - x^{2} + 1}{x^{16} - x^{14} + x^{12} + x^{4} - x^{2} + 1}$$

Sequence: A214525
Score: 11.4540
Type of gen. func.: ogf

$$-\frac{x\,(7\,x^2-1)}{49\,x^4-49\,x^3+23\,x^2-7\,x+1}$$

Sequence: A214525
Score: 5.76944
Type of gen. func.: ogf

$$(1302\,f(x)+33575)$$

$$(49\,f(x)\,x^4-49\,f(x)\,x^3+23\,f(x)\,x^2+7\,x^3-7\,f(x)\,x+f(x)-x)$$

Sequence: A214541
Score: 6.52668
Type of gen. func.: ogf

$$-\frac{x^9-2\,x^8-x^7+4\,x^5+3\,x^3+8\,x^2+11\,x+2}{(x+1)\,(x^2+x+1)^2\,(x-1)^5}$$

Sequence: A214553
Score: 3.32531
Type of gen. func.: ogf

$$\{(12500\,n^4+100000\,n^3+295000\,n^2+380000\,n+180180)\,a(n+1)$$

$$+(-27\,n^4-297\,n^3-1203\,n^2-2127\,n-1386)\,a(n+3),\ a(0)=1,\ a(1)=4,$$

$$a(2)=40\}$$

Sequence: A214555
Score: 5.52560
Type of gen. func.: ogf

$$-\frac{495\,(1000\,x^2-1)}{(x-1)\,(100\,x-1)\,(1000\,x-1)\,(10\,x-1)}$$

Sequence: A214556

Score: 2.98405
Type of gen. func.: ogf

$$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 6174,$$
$$a(1) = 631764, a(2) = 63317664\}$$

Sequence: A214556
Score: 5.03559
Type of gen. func.: ogf

$$-\frac{18 (2500 x^2 - 2975 x + 343)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A214580
Score: 6.13459
Type of gen. func.: ogf

$$-\frac{3 (5 x^5 + 530 x^4 + 3482 x^3 + 3936 x^2 + 801 x + 14)}{(x - 1)^7}$$

Sequence: A214596
Score: 4.31697
Type of gen. func.: ogf

$$-\frac{x^{11} - 2 x^9 + 23 x^7 + 60 x^6 + 87 x^5 + 86 x^4 + 84 x^3 + 56 x^2 + 23 x + 2}{(x^2 + x + 1)^2 (x + 1)^3 (x - 1)^5}$$

Sequence: A214615
Score: 12.5240
Type of gen. func.: lgdegf]

$$-\frac{-x + 1}{-x^2 - 1}$$

Sequence: A214615

Score: 35.7731
Type of gen. func.: lgdegf]

$$-\frac{-x + 1}{-x^2 - 1}$$

Sequence: A214615
Score: 4.40846
Type of gen. func.: ogf

$$\{(n^2 + 4 n + 4) a(n + 1) + a(n + 3) - a(n + 2), a(0) = 1, a(1) = 1, a(2) = 0\}$$

Sequence: A214616
Score: 10.6944
Type of gen. func.: lgdogf

$$-\frac{25 x^2 + 166 x + 89}{5 x^3 + 21 x^2 - 17 x - 9}$$

Sequence: A214616
Score: 3.65176
Type of gen. func.: ogf

$$\{(-27 - 9 n) a(n + 4) + (55 - 17 n) a(n + 3) + (187 + 21 n) a(n + 2)$$

$$+ (25 + 5 n) a(n + 1), a(0) = 0, a(1) = 9, a(2) = 89, a(3) = 439\}$$

Sequence: A214616
Score: 7.33931
Type of gen. func.: ogf

$$-\frac{x (5 x^2 + 26 x + 9)}{(x - 1)^7}$$

Sequence: A214624
Score: 3.37169
Type of gen. func.: ogf

$$\{(-100 n^3 - 450 n^2 - 600 n - 200) a(n + 1) + (36 n^3 + 306 n^2 + 895 n + 863) a(n + 2) + (-27 - 9 n) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 16\}$$

Sequence: A214630
Score: 6.11221
Type of gen. func.: ogf

$$- \frac{2 x^9 + 3 x^8 + 6 x^7 + 2 x^6 + 6 x^5 + 6 x^4 + 2 x^3 - 1}{(x - 1)^3 (x + 1)^3 (x^2 + 1)^3}$$

Sequence: A214639
Score: 6.28779
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^{10} + x^9 + x^8 + x^7 - x^3 - x^2 - x + 1}{-x^{12} - x^8 - x^4 - 1}$$

Sequence: A214649
Score: 12.0868
Type of gen. func.: ogf

$$f(x)^2 + f(x) x - x^2 - f(x)$$

Sequence: A214649
Score: 13.7138
Type of gen. func.: lgdogf

$$1/x - \frac{1}{(5 x^2 - 2 x + 1)^{1/2} x}$$

Sequence: A214649

Score: 5.02197
Type of gen. func.: ogf

$$\{(5 n - 5) a(n) + (-2 n - 1) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = -1, a(2) = 1\}$$

Sequence: A214656
Score: 4.97312
Type of gen. func.: ogf

$$x^2 (x^{23} + x^{22} + x^{20} + x^{18} + x^{16} + x^{15} + x^{13} + x^{11} + x^9 + x^7 + x^6 + x^4 + x^2 + 1) / ((x^4 + x^3 + x^2 + x + 1) (x^{20} + x^{15} + x^{10} + x^5 + 1) (x - 1)^2)$$

Sequence: A214659
Score: 10.7177
Type of gen. func.: ogf

$$\frac{x (3 x^2 + 10 x + 1)}{(x - 1)^4}$$

Sequence: A214659
Score: 12.0168
Type of gen. func.: lgdogf

$$-\frac{6 x^2 + 36 x + 14}{3 x^3 + 7 x^2 - 9 x - 1}$$

Sequence: A214659
Score: 4.00560
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (4 + 9 n) a(n + 3) + (-43 - 7 n) a(n + 2) + (-6 - 3 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 14, a(3) = 53\}$$

Sequence: A214659
Score: 5.25238
Type of gen. func.: ogf

$$-(7255136 f(x) + 27074333) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 3 x^3 - 4 f(x) x - 10 x^2 + f(x) - x)$$

Sequence: A214660
Score: 12.1873
Type of gen. func.: lgdogf

$$- \frac{3 x^2 + 34 x + 17}{3 x^3 + 11 x^2 - 13 x - 1}$$

Sequence: A214660
Score: 13.3667
Type of gen. func.: ogf

$$- \frac{3 x^2 + 14 x + 1}{(x - 1)^3}$$

Sequence: A214660
Score: 7.08323
Type of gen. func.: ogf

$$(972 f(x) - 8197) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) + 14 x + 1)$$

Sequence: A214660
Score: 7.26963
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 17, a(2) = 51\}$$

Sequence: A214663
Score: 10.4028
Type of gen. func.: lgdogf

$$-\frac{-4x^3-9x^2-2x-1}{-x^4-3x^3-x^2-x+1}$$

Sequence: A214663
Score: 18.4938
Type of gen. func.: ogf

$$-\frac{1}{x^4+3x^3+x^2+x-1}$$

Sequence: A214663
Score: 6.93518
Type of gen. func.: ogf

$$(347 f(x) - 23) (f(x) x^4 + 3 f(x) x^3 + f(x) x^2 + f(x) x - f(x) + 1)$$

Sequence: A214668
Score: 3.69655
Type of gen. func.: ogf

$$\{(6912 n^3 + 51840 n^2 + 125712 n + 98280) a(n + 1) + (-n^3 - 12 n^2 - 41 n - 42) a(n + 4), a(0) = 1, a(1) = 9, a(2) = 108, a(3) = 1458\}$$

Sequence: A214672
Score: 4.42286
Type of gen. func.: ogf

$$\frac{x^2 (x + 1) (x^2 - x + 1) (x^{20} + x^{18} - x^{17} + x^{16} + x^{14} + x^9 + x^7 + x^2 + 1)}{(x^4 + x^3 + x^2 + x + 1) (x^{20} + x^{15} + x^{10} + x^5 + 1) (x - 1)^2}$$

Sequence: A214675
Score: 11.8450

Type of gen. func.: lgdogf

$$-\frac{5x^2+34x+15}{5x^3+7x^2-11x-1}$$

Sequence: A214675
Score: 12.8002
Type of gen. func.: ogf

$$-\frac{5x^2+12x+1}{(x-1)^3}$$

Sequence: A214675
Score: 6.55879
Type of gen. func.: ogf

$$(51273 f(x) - 373985) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 5 x^2 - f(x) + 12 x + 1)$$

Sequence: A214675
Score: 6.96152
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 15, a(2) = 47\}$$

Sequence: A214678
Score: 7.56072
Type of gen. func.: ogf

$$\frac{2x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1}{(x+1)(x^4+1)(x^2+1)(x-1)^2}$$

Sequence: A214683
Score: 11.5986
Type of gen. func.: ogf

$$\frac{x^2 + x + 1}{x^3 + 2 x^2 - x - 1}$$

Sequence: A214683
Score: 6.1523
Type of gen. func.: ogf

$$(427 f(x) - 302) (f(x) x^3 + 2 f(x) x^2 - f(x) x - x^2 - f(x) - x - 1)$$

Sequence: A214683
Score: 6.37401
Type of gen. func.: ogf

$$\{a(n + 3) + a(n + 2) - 2 a(n + 1) - a(n), a(0) = -1, a(1) = 0, a(2) = -3\}$$

Sequence: A214683
Score: 8.42280
Type of gen. func.: lgdogf

$$- \frac{-x^4 - 2 x^3 - 6 x^2 - 6 x}{-x^5 - 3 x^4 - 2 x^3 + 2 x + 1}$$

Sequence: A214684
Score: 9.78453
Type of gen. func.: ogf

$$- \frac{4 x^5 + x^4 + 3 x^3 + 2 x^2 + x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A214699
Score: 13.4595
Type of gen. func.: lgdogf

$$- \frac{3 x^2 - 6 x}{\quad}$$

$$x^3 - 3x^2 + 1$$

Sequence: A214699
Score: 18.3838
Type of gen. func.: ogf

$$\frac{3x}{x^3 - 3x^2 + 1}$$

Sequence: A214699
Score: 8.19276
Type of gen. func.: ogf

$$\{a(n+3) - 3a(n+1) + a(n), a(0) = 0, a(1) = 3, a(2) = 0\}$$

Sequence: A214699
Score: 8.97302
Type of gen. func.: ogf

$$(13 f(x) + 135) (f(x) x^3 - 3 f(x) x^2 + f(x) - 3x)$$

Sequence: A214701
Score: 13.8969
Type of gen. func.: ogf

$$\frac{x^{28} - x^{27} + 1}{(x - 1)^2}$$

Sequence: A214701
Score: 8.81629
Type of gen. func.: lgdogf

$$-\frac{-26x^{28} + 53x^{27} - 27x^{26} + 2}{x^{29} - 2x^{28} + x^{27} + x - 1}$$

Sequence: A214727
Score: 11.5618
Type of gen. func.: ogf

$$\frac{x^2 - x - 1}{x^3 + x^2 + x - 1}$$

Sequence: A214727
Score: 6.02797
Type of gen. func.: ogf

$$-(11 f(x) - 23) (f(x) x^3 + f(x) x^2 + f(x) x - x^2 - f(x) + x + 1)$$

Sequence: A214727
Score: 6.29707
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) + a(n), a(0) = 1, a(1) = 2, a(2) = 2\}$$

Sequence: A214727
Score: 8.81590
Type of gen. func.: lgdogf

$$- \frac{-x^4 + 2 x^3 + 5 x^2 + 2}{-x^5 + x^3 + 3 x^2 - 1}$$

Sequence: A214729
Score: 12.8692
Type of gen. func.: ogf

$$\frac{x (5 x - 13)}{(x^2 - 3 x + 1) (x - 1) (x + 1)}$$

Sequence: A214729

Score: 5.83136
Type of gen. func.: ogf

$$-(429989822 f(x) - 424144309)$$

$$(f(x) x^4 - 3 f(x) x^3 + 3 f(x) x - 5 x^2 - f(x) + 13 x)$$

Sequence: A214729
Score: 7.31777
Type of gen. func.: lgdogf

$$-\frac{-15 x^4 + 82 x^3 - 117 x^2 + 34}{-5 x^5 + 28 x^4 - 39 x^3 - 15 x^2 + 44 x - 13}$$

Sequence: A214731
Score: 11.6464
Type of gen. func.: ogf

$$\frac{x^3 + 7 x - 2}{(x - 1)^4}$$

Sequence: A214731
Score: 4.25185
Type of gen. func.: ogf

$$\{(19 n^2 + 126 n + 176) a(n + 1) + (-80 n^2 - 491 n - 629) a(n + 2)$$

$$+ (61 n^2 + 239 n + 168) a(n + 3), a(0) = -2, a(1) = -1, a(2) = 8\}$$

Sequence: A214731
Score: 5.65915
Type of gen. func.: ogf

$$-(85968 f(x) + 156467)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x + f(x) - 7 x + 2)$$

Sequence: A214731
Score: 9.92098
Type of gen. func.: lgdogf

$$-\frac{-x^3 - 3x^2 - 21x + 1}{-x^4 + x^3 - 7x^2 + 9x - 2}$$

Sequence: A214732
Score: 11.4094
Type of gen. func.: ogf

$$-\frac{1031x^2 - 2002x + 1021}{(x - 1)^3}$$

Sequence: A214732
Score: 6.14351
Type of gen. func.: ogf

$$(8180 f(x) + 16091131)$$

$$(f(x)x^3 - 3f(x)x^2 + 3f(x)x + 1031x^2 - f(x) - 2002x + 1021)$$

Sequence: A214732
Score: 6.60046
Type of gen. func.: ogf

$\{a(n + 3) - 3a(n + 2) + 3a(n + 1) - a(n), a(0) = 1021, a(1) = 1061,$

$a(2) = 1151\}$

Sequence: A214732
Score: 9.39595
Type of gen. func.: lgdogf

$$-\frac{-1031x^2 + 1942x - 1061}{-1031x^3 + 3033x^2 - 3023x + 1021}$$

Sequence: A214733
Score: 12.3628
Type of gen. func.: ogf

$$3 f(x) x^2 + f(x) x + f(x) - x$$

Sequence: A214733
Score: 15.1960
Type of gen. func.: lgdogf

$$-\frac{6 x + 1}{3 x^2 + x + 1}$$

Sequence: A214733
Score: 19.7137
Type of gen. func.: ogf

$$\frac{x}{3 x^2 + x + 1}$$

Sequence: A214733
Score: 9.00501
Type of gen. func.: ogf

$$\{-a(n + 2) - a(n + 1) - 3 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A214772
Score: 19.9919
Type of gen. func.: ogf_with_Euler_transform]

$$x^{19} + x^8 + x^5$$

Sequence: A214772
Score: 8.73738
Type of gen. func.: ogf

2 4 3 2 4 3 2 2

$$- 1/((x + 1) (x + x + x + x + 1) (x - x + x - x + 1) (x - x + 1)$$

$$(x^6 + x^3 + 1) (x^8 - x^6 + x^4 - x^2 + 1) (x + 1)^2 (x^2 + x + 1)^2 (x - 1)^3)$$

Sequence: A214777
Score: 4.49907
Type of gen. func.: ogf

$$- x (x^{22} - x^{21} + x^{17} - x^{16} + x^{15} - x^{14} + x^{13} - x^{12} + x^{11} - x^{10} + x^9 + x^8 - 2 x^7 + x^6 + x^5 + 3 x - 6) \Big/ (x - 1)^2$$

Sequence: A214778
Score: 12.3478
Type of gen. func.: ogf

$$\frac{3 (2 x^2 + 2 x - 1)}{x^3 + 6 x^2 + 3 x - 1}$$

Sequence: A214778
Score: 6.54971
Type of gen. func.: ogf

$$-(8 f(x) - 3) (f(x) x^3 + 6 f(x) x^2 + 3 f(x) x - 6 x^2 - f(x) - 6 x + 3)$$

Sequence: A214778
Score: 6.66565
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 6 a(n + 1) - a(n), a(0) = 3, a(1) = 3, a(2) = 21\}$$

Sequence: A214778
Score: 7.68590
Type of gen. func.: lgdogf

$$- \frac{2 x^4 + 4 x^3 + 3 x^2 - 8 x - 1}{}$$

$$2x^5 + 14x^4 + 17x^3 - 2x^2 - 5x + 1$$

Sequence: A214779
Score: 12.7444
Type of gen. func.: ogf

$$-\frac{x^2 - x + 1}{x^3 - 3x^2 + 1}$$

Sequence: A214779
Score: 7.56698
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 2x^3 - 6x^2 + 8x - 1}{-x^5 + 4x^4 - 4x^3 + 2x^2 + x - 1}$$

Sequence: A214779
Score: 7.72798
Type of gen. func.: ogf

$$(47 f(x) - 9) (f(x) x^3 - 3 f(x) x^2 + x^2 + f(x) - x + 1)$$

Sequence: A214779
Score: 7.72798
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 1) - a(n), a(0) = -1, a(1) = 1, a(2) = -4\}$$

Sequence: A214825
Score: 12.5311
Type of gen. func.: ogf

$$\frac{x^2 - 2x - 1}{x^3 + x^2 + x - 1}$$

Sequence: A214825
Score: 6.58965
Type of gen. func.: ogf

$$-(5 f(x) - 41) (f(x) x^3 + f(x) x^2 + f(x) x - x^2 - f(x) + 2 x + 1)$$

Sequence: A214825
Score: 6.82500
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) + a(n), a(0) = 1, a(1) = 3, a(2) = 3\}$$

Sequence: A214825
Score: 8.30870
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 4 x^3 + 6 x^2 + 3}{-x^5 + x^4 + 2 x^3 + 4 x^2 - x - 1}$$

Sequence: A214826
Score: 11.3493
Type of gen. func.: ogf

$$\frac{x^2 - 3 x - 1}{x^3 + x^2 + x - 1}$$

Sequence: A214826
Score: 6.18133
Type of gen. func.: ogf

$$(f(x) + 79) (f(x) x^3 + f(x) x^2 + f(x) x - x^2 - f(x) + 3 x + 1)$$

Sequence: A214826
Score: 6.18133

Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) + a(n),\ a(0) = 1,\ a(1) = 4,\ a(2) = 4\}$$

Sequence: A214826
Score: 7.52510
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 6 x^3 + 7 x^2 + 4}{-x^5 + 2 x^4 + 3 x^3 + 5 x^2 - 2 x - 1}$$

Sequence: A214827
Score: 11.5213
Type of gen. func.: ogf

$$\frac{x^2 - 4 x - 1}{x^3 + x^2 + x - 1}$$

Sequence: A214827
Score: 6.16489
Type of gen. func.: ogf

$$(17 f(x) + 283) (f(x) x^3 + f(x) x^2 + f(x) x - x^2 - f(x) + 4 x + 1)$$

Sequence: A214827
Score: 6.27499
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) + a(n),\ a(0) = 1,\ a(1) = 5,\ a(2) = 5\}$$

Sequence: A214827
Score: 7.63912
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 8 x^3 + 8 x^2 + 5}{\;^{5}\qquad ^{4}\qquad ^{3}\qquad ^{2}}$$

$$-x + 3 x + 4 x + 6 x - 3 x - 1$$

Sequence: A214828
Score: 11.6359
Type of gen. func.: ogf

$$\frac{x^2 - 5 x - 1}{x^3 + x^2 + x - 1}$$

Sequence: A214828
Score: 6.1721
Type of gen. func.: ogf

$$(89 f(x) + 1171) (f(x) x^3 + f(x) x^2 + f(x) x - x^2 - f(x) + 5 x + 1)$$

Sequence: A214828
Score: 6.33743
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) + a(n), a(0) = 1, a(1) = 6, a(2) = 6\}$$

Sequence: A214828
Score: 7.63217
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 10 x^3 + 9 x^2 + 6}{-x^5 + 4 x^4 + 5 x^3 + 7 x^2 - 4 x - 1}$$

Sequence: A214829
Score: 13.2306
Type of gen. func.: ogf

$$\frac{x^2 - 6 x - 1}{x^3 + x^2 + x - 1}$$

Sequence: A214829
Score: 6.83953
Type of gen. func.: ogf

$$-(29 f(x) + 363) (f(x) x^3 + f(x) x^2 + f(x) x - x^2 - f(x) + 6 x + 1)$$

Sequence: A214829
Score: 7.20593
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) + a(n), a(0) = 1, a(1) = 7, a(2) = 7\}$$

Sequence: A214829
Score: 8.58579
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 12 x^3 + 10 x^2 + 7}{-x^5 + 5 x^4 + 6 x^3 + 8 x^2 - 5 x - 1}$$

Sequence: A214830
Score: 12.6024
Type of gen. func.: ogf

$$\frac{x^2 - 7 x - 1}{x^3 + x^2 + x - 1}$$

Sequence: A214830
Score: 6.40622
Type of gen. func.: ogf

$$-(295 f(x) + 3737) (f(x) x^3 + f(x) x^2 + f(x) x - x^2 - f(x) + 7 x + 1)$$

Sequence: A214830
Score: 6.86380
Type of gen. func.: ogf

$\{-a(n+3) + a(n+2) + a(n+1) + a(n), a(0) = 1, a(1) = 8, a(2) = 8\}$

Sequence: A214830
Score: 8.17815
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 14x^3 + 11x^2 + 8}{-x^5 + 6x^4 + 7x^3 + 9x^2 - 6x - 1}$$

Sequence: A214831
Score: 12.6024
Type of gen. func.: ogf

$$\frac{x^2 - 8x - 1}{x^3 + x^2 + x - 1}$$

Sequence: A214831
Score: 6.40622
Type of gen. func.: ogf

$$-(229 f(x) + 3011) (f(x) x^3 + f(x) x^2 + f(x) x - x^2 - f(x) + 8 x + 1)$$

Sequence: A214831
Score: 6.86380
Type of gen. func.: ogf

$\{-a(n+3) + a(n+2) + a(n+1) + a(n), a(0) = 1, a(1) = 9, a(2) = 9\}$

Sequence: A214831
Score: 8.09206
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 16x^3 + 12x^2 + 9}{-x^5 + 7x^4 + 8x^3 + 10x^2 - 7x - 1}$$

Sequence: A214838
Score: 8.34239
Type of gen. func.: ogf

$$-\frac{3\,(x^4 + x^3 - 14\,x^2 + x + 1)}{(x - 1)\,(x^2 + 6\,x + 1)\,(x^2 - 6\,x + 1)}$$

Sequence: A214849
Score: 13.1449
Type of gen. func.: lgdegf]

$$-\frac{-x^2 + x - 1}{-x^2 + 1}$$

Sequence: A214849
Score: 3.81864
Type of gen. func.: ogf

$$\{(n^2 + 5\,n + 6)\,a(n + 1) + (n^2 + 4\,n + 3)\,a(n + 2) - a(n + 4) + a(n + 3),$$

$$a(0) = 1,\ a(1) = 1,\ a(2) = 0,\ a(3) = 2\}$$

Sequence: A214849
Score: 33.7065
Type of gen. func.: lgdegf]

$$-\frac{-x^2 + x - 1}{-x^2 + 1}$$

Sequence: A214855
Score: 13.1937
Type of gen. func.: ogf

$$-\frac{610\,x}{}$$

$$x^2 + 1364 x - 1$$

Sequence: A214855
Score: 6.44343
Type of gen. func.: ogf

$$\{-a(n + 2) + 1364 a(n + 1) + a(n), a(0) = 0, a(1) = 610\}$$

Sequence: A214855
Score: 8.65835
Type of gen. func.: ogf

$$-f(x) x^2 - 1364 f(x) x + f(x) - 610 x$$

Sequence: A214863
Score: 10.4990
Type of gen. func.: ogf

$$\frac{x^2 + 4 x + 11}{(x + 1) (x - 1)^2}$$

Sequence: A214863
Score: 5.42449
Type of gen. func.: ogf

$$-(80 f(x) + 2783) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - 4 x - 11)$$

Sequence: A214863
Score: 5.66034
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 11, a(1) = 15, a(2) = 27\}$$

Sequence: A214863
Score: 7.74927
Type of gen. func.: lgdogf

$$-\frac{-x^3 - 9x^2 - 39x - 15}{-x^4 - 4x^3 - 10x^2 + 4x + 11}$$

Sequence: A214864
Score: 8.73164
Type of gen. func.: ogf

$$\frac{x^4 + x^3 + 3x^2 + x + 10}{(x + 1)(x^2 + 1)(x - 1)^2}$$

Sequence: A214865
Score: 12.1134
Type of gen. func.: ogf

$$\frac{x^4 + 2x^3 + 2x^2 + 2x + 9}{(x + 1)(x^2 + 1)(x - 1)^2}$$

Sequence: A214884
Score: 10.6199
Type of gen. func.: ogf

$$-\frac{x(x + 2)}{(x^2 + 3x + 1)(x - 1)^2}$$

Sequence: A214884
Score: 3.48634
Type of gen. func.: ogf

{(-3 n - 11) a(n + 1) + (-6 n - 25) a(n + 2) + (6 n + 13) a(n + 3)

+ (3 n + 8) a(n + 4), a(0) = 0, a(1) = -2, a(2) = 1, a(3) = -9}

Sequence: A214884
Score: 5.19019

Type of gen. func.: ogf

$$-(7989 f(x) + 94) (f(x) x^4 + f(x) x^3 - 4 f(x) x^2 + f(x) x + x^2 + f(x) + 2 x)$$

Sequence: A214884
Score: 8.41824
Type of gen. func.: lgdogf

$$-\frac{3 x^3 + 13 x^2 + 15 x - 1}{x^4 + 4 x^3 + 2 x^2 - 5 x - 2}$$

Sequence: A214885
Score: 10.0991
Type of gen. func.: ogf

$$-\frac{x (x + 3)}{(x^2 + 3 x + 1) (x - 1)^2}$$

Sequence: A214885
Score: 4.89884
Type of gen. func.: ogf

$$(132280 f(x) + 18403)$$

$$(f(x) x^4 + f(x) x^3 - 4 f(x) x^2 + f(x) x + x^2 + f(x) + 3 x)$$

Sequence: A214885
Score: 8.00540
Type of gen. func.: lgdogf

$$-\frac{3 x^3 + 17 x^2 + 22 x - 2}{x^4 + 5 x^3 + 4 x^2 - 7 x - 3}$$

Sequence: A214899
Score: 11.5040
Type of gen. func.: ogf

$$\frac{(x + 2) (x - 1)}{x^3 + x^2 + x - 1}$$

Sequence: A214899
Score: 6.26559
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) - a(n), a(0) = 2, a(1) = 1, a(2) = 2\}$$

Sequence: A214899
Score: 6.32203
Type of gen. func.: ogf

$$(8 f(x) - 9) (f(x) x^3 + f(x) x^2 + f(x) x - x^2 - f(x) - x + 2)$$

Sequence: A214899
Score: 7.97439
Type of gen. func.: lgdogf

$$- \frac{x^4 + 2 x^3 - 6 x^2 - 2 x - 1}{x^5 + 2 x^4 - 2 x^2 - 3 x + 2}$$

Sequence: A214907
Score: 4.02059
Type of gen. func.: ogf

$$- (x^{13} - 2 x^{11} - 2 x^{10} + x^9 + 6 x^8 + 7 x^7 + 8 x^6 + 10 x^5 + 10 x^4 + 13 x^3 + 10 x^2 + 6 x + 2) / ((x^2 + 1) (x^2 + x + 1)^2 (x + 1)^3 (x - 1)^5)$$

Sequence: A214920
Score: 8.80359
Type of gen. func.: ogf

8 7 6 4 3 2

$$\frac{2x - x + 2x + 2x - x + x + 1}{(x + 1)(x^2 + x + 1)(x^2 - x + 1)(x - 1)^2}$$

Sequence: A214922
Score: 10.4119
Type of gen. func.: ogf

$$-x(x^2 - x + 1)(x^{21} - x^{19} - x^{18} + x^{16} + x^{15} - x^{13} - x^{12} + x^{10} + x^9 - x^7 - x^6 + x^4 + x^3 - x - 1) \bigg/ (x - 1)^2$$

Sequence: A214927
Score: 10.9584
Type of gen. func.: lgdogf

$$-\frac{3x^4 + 4x^3 + x^2 + 2x + 1}{x^5 + x^4 + x^3 + x^2 - x - 1}$$

Sequence: A214927
Score: 14.817
Type of gen. func.: ogf

$$-f(x)x^4 - 2x^4 - f(x)x^2 - 2x^3 + f(x)$$

Sequence: A214927
Score: 18.4563
Type of gen. func.: ogf

$$-\frac{2x^3(x + 1)}{x^4 + x^2 - 1}$$

Sequence: A214931
Score: 7.80989
Type of gen. func.: ogf

$$\frac{x^4 + x^3 - 6 x^2 + x + 1}{2 x^5 + 3 x^4 - 7 x^3 + 12 x^2 - 7 x + 1}$$

Sequence: A214944
Score: 10.7620
Type of gen. func.: lgdogf

$$- \frac{4 x^2 + 72 x + 44}{x^3 + 13 x^2 - 9 x - 5}$$

Sequence: A214944
Score: 3.51734
Type of gen. func.: ogf

$$\{(15 + 5 n) a(n + 4) + (-26 + 9 n) a(n + 3) + (-85 - 13 n) a(n + 2) + (-n - 4) a(n + 1), a(0) = 0, a(1) = 30, a(2) = 264, a(3) = 1140\}$$

Sequence: A214944
Score: 7.67079
Type of gen. func.: ogf

$$\frac{6 x (x^2 + 14 x + 5)}{(x - 1)^6}$$

Sequence: A214945
Score: 3.52888
Type of gen. func.: ogf

$$\{(391 n^2 + 3445 n + 7524) a(n + 1) + (-662 n^2 - 3706 n - 5828) a(n + 2) + (271 n^2 + 981 n + 878) a(n + 3), a(0) = 0, a(1) = 42, a(2) = 696\}$$

Sequence: A214945
Score: 6.12911

Type of gen. func.: ogf

$$-\frac{6 x (x^3 + 45 x^2 + 67 x + 7)}{(x - 1)^7}$$

Sequence: A214945
Score: 7.85076
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 228 x^2 + 492 x + 116}{x^4 + 44 x^3 + 22 x^2 - 60 x - 7}$$

Sequence: A214946
Score: 4.79044
Type of gen. func.: ogf

$$\frac{12 x (x^4 + 62 x^3 + 238 x^2 + 114 x + 5)}{(x - 1)^8}$$

Sequence: A214951
Score: 12.5061
Type of gen. func.: ogf

$$\frac{(x + 2) (x - 1)}{x^3 + 6 x^2 + 3 x - 1}$$

Sequence: A214951
Score: 6.69187
Type of gen. func.: ogf

$$(887 f(x) - 38) (f(x) x^3 + 6 f(x) x^2 + 3 f(x) x - x^2 - f(x) - x + 2)$$

Sequence: A214951
Score: 6.75111

Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 6 a(n + 1) - a(n), a(0) = 2, a(1) = 5, a(2) = 26\}$$

Sequence: A214951
Score: 7.78444
Type of gen. func.: lgdogf

$$-\frac{x^4 + 2 x^3 - 3 x^2 - 22 x - 5}{x^5 + 7 x^4 + 7 x^3 - 10 x^2 - 7 x + 2}$$

Sequence: A214954
Score: 12.6496
Type of gen. func.: ogf

$$-\frac{x (x + 2)}{x^3 + 6 x^2 + 3 x - 1}$$

Sequence: A214954
Score: 6.49575
Type of gen. func.: ogf

$$-(7 f(x) + 4) (f(x) x^3 + 6 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 2 x)$$

Sequence: A214954
Score: 6.49576
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 6 a(n + 1) - a(n), a(0) = 0, a(1) = 2, a(2) = 7\}$$

Sequence: A214954
Score: 8.68710
Type of gen. func.: lgdogf

$$-\frac{-2 x^3 - 12 x^2 - 24 x - 7}{-x^4 - 8 x^3 - 15 x^2 - 5 x + 2}$$

Sequence: A214955
Score: 4.20911
Type of gen. func.: ogf

$$\{(32 n^2 + 144 n + 160) a(n + 1) + (4 n^2 + 50 n + 138) a(n + 2)$$
$$+ (-3 n^2 - 24 n - 45) a(n + 3), a(0) = 1, a(1) = 6, a(2) = 25\}$$

Sequence: A214955
Score: 7.14391
Type of gen. func.: revogf

$$\frac{x^2 - 14 x - 3 + (x^4 + 20 x^3 + 94 x^2 + 132 x + 9)^{1/2}}{8 (x^2 - 2 x + 1)}$$

Sequence: A214955
Score: 7.78685
Type of gen. func.: ogf

$$-4 f(x)^2 x^3 + f(x)^2 x^2 + 8 f(x) x^2 - 14 f(x) x + 3 f(x) - 4 x - 3$$

Sequence: A214982
Score: 7.83456
Type of gen. func.: ogf

$$- \frac{(x + 1) x}{(x - 1) (x^2 + 3 x + 1) (x^2 - 7 x + 1)}$$

Sequence: A214988
Score: 6.15987
Type of gen. func.: ogf

$$\frac{x^{11} + x^{10} + x^9 + x^8 + 2 x^7 + x^6 + x^5 + x^4 + 2 x^3 + x^2 + x + 1}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A214992
Score: 4.68657
Type of gen. func.: ogf

$$(200300 f(x) + 23017) (f(x) x^3 - 6 f(x) x^2 - 6 f(x) x + x^2 + f(x) - 5 x - 7)$$

Sequence: A214992
Score: 4.89033
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) - 6 a(n + 1) + a(n), a(0) = 7, a(1) = 47, a(2) = 323\}$$

Sequence: A214992
Score: 9.21948
Type of gen. func.: ogf

$$- \frac{x^2 - 5 x - 7}{(x + 1) (x^2 - 7 x + 1)}$$

Sequence: A214993
Score: 10.4641
Type of gen. func.: ogf

$$- \frac{x^2 + 11 x - 11}{(x - 1) (x^2 + 11 x - 1)}$$

Sequence: A214993
Score: 5.31379
Type of gen. func.: ogf

$$-(152635 f(x) - 15872)$$

$$(f(x) x^3 + 10 f(x) x^2 - 12 f(x) x + x^2 + f(x) + 11 x - 11)$$

Sequence: A214993
Score: 5.66805
Type of gen. func.: ogf

{a(n + 3) - 12 a(n + 2) + 10 a(n + 1) + a(n), a(0) = 11, a(1) = 121,

a(2) = 1341}

Sequence: A214993
Score: 6.24006
Type of gen. func.: lgdogf

$$-\frac{-x^4 - 22 x^3 - 89 x^2 + 222 x - 121}{-x^5 - 21 x^4 - 87 x^3 + 241 x^2 - 143 x + 11}$$

Sequence: A214994
Score: 10.4641
Type of gen. func.: ogf

$$-\frac{x^2 + 10 x - 12}{(x - 1) (x^2 + 11 x - 1)}$$

Sequence: A214994
Score: 5.23204
Type of gen. func.: ogf

$$-(6257994 f(x) - 562709)$$

$$(f(x) x^3 + 10 f(x) x^2 - 12 f(x) x + x^2 + f(x) + 10 x - 12)$$

Sequence: A214994
Score: 5.66805
Type of gen. func.: ogf

{a(n + 3) - 12 a(n + 2) + 10 a(n + 1) + a(n), a(0) = 12, a(1) = 134,

a(2) = 1487}

Sequence: A214994
Score: 6.24006
Type of gen. func.: lgdogf

$$-\frac{-x^4 - 20\,x^3 - 76\,x^2 + 242\,x - 134}{-x^5 - 20\,x^4 - 76\,x^3 + 239\,x^2 - 154\,x + 12}$$

Sequence: A214995
Score: 4.83826
Type of gen. func.: ogf

$$(630697973\,f(x) + 31591767)$$

$$(f(x)\,x^3 - 17\,f(x)\,x^2 - 17\,f(x)\,x + x^2 + f(x) - 16\,x - 18)$$

Sequence: A214995
Score: 5.24144
Type of gen. func.: ogf

$\{a(n + 3) - 17\,a(n + 2) - 17\,a(n + 1) + a(n),\ a(0) = 18,\ a(1) = 322,$

$a(2) = 5779\}$

Sequence: A214995
Score: 9.67651
Type of gen. func.: ogf

$$-\frac{x^2 - 16\,x - 18}{(x + 1)\,(x^2 - 18\,x + 1)}$$

Sequence: A214996
Score: 12.2312
Type of gen. func.: ogf

$$-\frac{2\,x^2 - 2\,x - 3}{(x + 1)\,(2\,x^2 - 4\,x + 1)}$$

Sequence: A214996
Score: 6.54478
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 2 a(n + 1) + 2 a(n), a(0) = 3, a(1) = 11, a(2) = 37\}$$

Sequence: A214996
Score: 6.60269
Type of gen. func.: ogf

$$(85 f(x) + 67) (2 f(x) x^3 - 2 f(x) x^2 - 3 f(x) x + 2 x^2 + f(x) - 2 x - 3)$$

Sequence: A214996
Score: 7.61332
Type of gen. func.: lgdogf

$$-\frac{-4 x^4 + 8 x^3 + 8 x^2 - 8 x - 11}{-4 x^5 + 8 x^4 + 8 x^3 - 14 x^2 - 7 x + 3}$$

Sequence: A214997
Score: 12.2846
Type of gen. func.: ogf

$$-\frac{2 x^2 - x - 4}{(x + 1) (2 x^2 - 4 x + 1)}$$

Sequence: A214997
Score: 6.40481
Type of gen. func.: ogf

$$(1499 f(x) + 1096) (2 f(x) x^3 - 2 f(x) x^2 - 3 f(x) x + 2 x^2 + f(x) - x - 4)$$

Sequence: A214997
Score: 6.57336
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + 2 a(n + 1) - 2 a(n), a(0) = 4, a(1) = 13, a(2) = 45\}$$

Sequence: A214997
Score: 7.34670
Type of gen. func.: lgdogf

$$-\frac{-4 x^4 + 4 x^3 + 16 x^2 - 12 x - 13}{-4 x^5 + 6 x^4 + 12 x^3 - 13 x^2 - 11 x + 4}$$

Sequence: A214998
Score: 12.0312
Type of gen. func.: ogf

$$-\frac{x^2 - 2 x - 4}{(x + 1) (x^2 - 4 x + 1)}$$

Sequence: A214998
Score: 6.21952
Type of gen. func.: ogf

$$(12239 f(x) + 2503) (f(x) x^3 - 3 f(x) x^2 - 3 f(x) x + x^2 + f(x) - 2 x - 4)$$

Sequence: A214998
Score: 6.43776
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 4, a(1) = 14, a(2) = 53\}$$

Sequence: A214998
Score: 7.33905
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 4 x^3 + 3 x^2 - 22 x - 14}{-x^5 + 5 x^4 + x^3 - 19 x^2 - 10 x + 4}$$

Sequence: A215004
Score: 12.0526
Type of gen. func.: ogf

$$- \frac{x^{3} - x + 1}{(x + 1) (x^{2} + x - 1) (x - 1)^{2}}$$

Sequence: A215005
Score: 11.5427
Type of gen. func.: ogf

$$\frac{x (x^{2} - x - 1)}{(x + 1) (x^{2} + x - 1) (x - 1)^{2}}$$

Sequence: A215005
Score: 9.15890
Type of gen. func.: lgdogf

$$- \frac{-3 x^{5} + x^{4} + 9 x^{3} + 3 x^{2} - 3 x - 3}{-x^{6} + 4 x^{4} - 4 x^{2} + 1}$$

Sequence: A215006
Score: 10.3835
Type of gen. func.: ogf

$$- \frac{x (x^{4} + x^{3} - 2 x^{2} + 1)}{(x + 1) (x^{2} + x - 1) (x - 1)^{2}}$$

Sequence: A215007
Score: 10.5912
Type of gen. func.: ogf

$$- \frac{2 x^{2} - 4 x + 1}{}$$

$$7 x^3 - 14 x^2 + 7 x - 1$$

Sequence: A215007
Score: 5.76009
Type of gen. func.: ogf

$$(98 f(x) + 37) (7 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x + 2 x^2 - f(x) - 4 x + 1)$$

Sequence: A215007
Score: 5.81108
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 7 a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A215008
Score: 10.4109
Type of gen. func.: ogf

$$\frac{x (2 x - 1)}{7 x^3 - 14 x^2 + 7 x - 1}$$

Sequence: A215008
Score: 5.39134
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) - 14 a(n + 1) + 7 a(n), a(0) = 0, a(1) = 1, a(2) = 5\}$$

Sequence: A215008
Score: 7.02128
Type of gen. func.: lgdogf

$$- \frac{-28 x^3 + 49 x^2 - 28 x + 5}{-14 x^4 + 35 x^3 - 28 x^2 + 9 x - 1}$$

Sequence: A215008

Score: 9.84163
Type of gen. func.: ogf

$$7 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x - 2 x^2 - f(x) + x$$

Sequence: A215014
Score: 5.29111
Type of gen. func.: ogf

$$- x (x^{32} - 67 x^{30} - x^{28} - 9 x^{27} - 2 x^{26} - 8 x^{15} - x^{14} - 8 x^{13} - x^{12} - 8 x^{11} - x^{10} - x^5 - x^4 - x^3 - x^2 - x - 1) / ((x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2)$$

Sequence: A215027
Score: 15.9779
Type of gen. func.: ogf

$$- \frac{x (720 x^{10} - 810 x^9 - 10 x - 1)}{(x + 1) (x - 1)^2}$$

Sequence: A215028
Score: 9.81626
Type of gen. func.: ogf

$$- \frac{900 x^{11} - 990 x^{10} + 9 x^2 - 19 x - 1}{(x + 1) (x - 1)^2}$$

Sequence: A215036
Score: 12.4298
Type of gen. func.: ogf

$$f(x) x^2 - 2 x^2 - f(x) + x + 2$$

Sequence: A215036
Score: 13.4444
Type of gen. func.: ogf

$$\frac{2 x^{2} - x - 2}{(x - 1) (x + 1)}$$

Sequence: A215036
Score: 7.93707
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 1), a(0) = 2, a(1) = 1, a(2) = 0\}$$

Sequence: A215036
Score: 9.68790
Type of gen. func.: lgdogf

$$- \frac{-x^{2} - 1}{2 x^{4} - x^{3} - 4 x^{2} + x + 2}$$

Sequence: A215037
Score: 11.6546
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (x^{2} + 4 x - 1) (x^{2} - x - 1)}$$

Sequence: A215037
Score: 6.36796
Type of gen. func.: lgdogf

$$- \frac{-5 x^{4} - 8 x^{3} + 27 x^{2} - 6 x - 4}{-x^{5} - 2 x^{4} + 9 x^{3} - 3 x^{2} - 4 x + 1}$$

Sequence: A215038

Score: 8.70699
Type of gen. func.: ogf

$$-\frac{(x + 1) x}{(x - 1) (x^2 + 4 x - 1) (x^2 - x - 1)}$$

Sequence: A215039
Score: 3.93789
Type of gen. func.: ogf

$$-(559515 f(x) + 45467)$$

$$(f(x) x^4 - 21 f(x) x^3 + 56 f(x) x^2 - x^3 - 21 f(x) x - 6 x^2 + f(x) - x)$$

Sequence: A215039
Score: 7.72033
Type of gen. func.: ogf

$$\frac{x (x^2 + 6 x + 1)}{(x^2 - 3 x + 1) (x^2 - 18 x + 1)}$$

Sequence: A215040
Score: 3.43906
Type of gen. func.: ogf

$$-(80579664 f(x) + 2463739) (f(x) x^4 - 21 f(x) x^3 + 56 f(x) x^2 + x^3 - 21 f(x) x$$

$$- 13 x^2 + f(x) + 13 x - 1)$$

Sequence: A215040
Score: 6.66841
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^2 - 12 x + 1)}{(x^2 - 3 x + 1) (x^2 - 18 x + 1)}$$

Sequence: A215042
Score: 4.17932
Type of gen. func.: ogf

$$-(43065 f(x) + 13231)$$

$$(f(x) x^4 - 21 f(x) x^3 + 56 f(x) x^2 - 7 x^3 - 21 f(x) x + 6 x^2 + f(x) - 7 x)$$

Sequence: A215042
Score: 8.13867
Type of gen. func.: ogf

$$\frac{x (7 x^2 - 6 x + 7)}{(x^2 - 3 x + 1) (x^2 - 18 x + 1)}$$

Sequence: A215043
Score: 4.16579
Type of gen. func.: ogf

$$\frac{x (2 x^4 - 12 x^3 + 97 x^2 - 12 x + 2)}{(x^2 - 18 x + 1) (x^2 - 123 x + 1) (x^2 - 3 x + 1)}$$

Sequence: A215044
Score: 4.13164
Type of gen. func.: ogf

$$\frac{x (x^4 + 99 x^3 + 416 x^2 + 99 x + 1)}{(x^2 - 18 x + 1) (x^2 - 123 x + 1) (x^2 - 3 x + 1)}$$

Sequence: A215045
Score: 4.11853
Type of gen. func.: ogf

$$- \frac{(x - 1) (x^4 - 111 x^3 + 1046 x^2 - 111 x + 1)}{(x^2 - 18 x + 1) (x^2 - 123 x + 1) (x^2 - 3 x + 1)}$$

Sequence: A215052
Score: 18.2767
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^4 + x^2 + x + 4$$

Sequence: A215052
Score: 6.18601
Type of gen. func.: ogf

$$\frac{x^2 - x + 1}{(x^4 + x^3 + x^2 + x + 1)\,(x - 1)^6}$$

Sequence: A215053
Score: 18.0619
Type of gen. func.: ogf_with_Euler_transform]

$$x^6 - 2\,x^5 + 2\,x^2 + 2\,x + 5$$

Sequence: A215053
Score: 4.19452
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1)^2}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\,(x - 1)^8}$$

Sequence: A215067
Score: 6.2873
Type of gen. func.: ogf

$$x^2\,f(x)^3 - f(x)^2\,x^2 + 2\,f(x)^2\,x - 2\,f(x)^2 - f(x)\,x + 3\,f(x) - 1$$

Sequence: A215076

Score: 12.8188
Type of gen. func.: ogf

$$\frac{4x^2 + 6x - 3}{x^3 + 4x^2 + 3x - 1}$$

Sequence: A215076
Score: 6.62664
Type of gen. func.: ogf

$$-(47 f(x) + 301) (f(x) x^3 + 4 f(x) x^2 + 3 f(x) x - 4 x^2 - f(x) - 6 x + 3)$$

Sequence: A215076
Score: 6.91986
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 4 a(n + 1) - a(n), a(0) = 3, a(1) = 3, a(2) = 17\}$$

Sequence: A215076
Score: 7.74202
Type of gen. func.: lgdogf

$$-\frac{4x^4 + 12x^3 + 3x^2 - 16x - 3}{4x^5 + 22x^4 + 33x^3 + 2x^2 - 15x + 3}$$

Sequence: A215082
Score: 7.34685
Type of gen. func.: ogf

$$\frac{x (2x^2 + 1) (x^3 + x + 1)}{(x^2 + x + 1) (x^2 - x + 1) (x^4 + x^2 - 1)}$$

Sequence: A215093
Score: 10.7191
Type of gen. func.: revegf]

$$-1/8 \exp(2 x) - 1/8 \exp(-2 x) + x + 1/4$$

Sequence: A215094
Score: 17.3004
Type of gen. func.: revegf]

$$-\frac{x^2}{2} + \operatorname{arcsinh}(x)$$

Sequence: A215095
Score: 12.3070
Type of gen. func.: ogf

$$-\frac{x (2 x + 1)}{(2 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A215095
Score: 6.15349
Type of gen. func.: ogf

$$(681 f(x) - 1196) (2 f(x) x^4 + f(x) x^3 + f(x) x^2 + f(x) x + 2 x^2 - f(x) + x)$$

Sequence: A215095
Score: 8.16280
Type of gen. func.: lgdogf

$$-\frac{-12 x^4 - 12 x^3 - 5 x^2 - 2 x - 3}{-4 x^5 - 4 x^4 - 3 x^3 - 3 x^2 + x + 1}$$

Sequence: A215096
Score: 4.50126
Type of gen. func.: ogf

$$\{(n + 4) a(n + 1) - a(n + 2) + (n + 4) a(n + 3) - a(n + 4), a(0) = 0, a(1) = 1,$$
$$a(2) = 2, a(3) = 5\}$$

Sequence: A215097
Score: 8.41789
Type of gen. func.: lgdogf

$$-\frac{4x^4+20x^3+4x^2+12x+8}{x^5+3x^4-2x^3+2x^2-3x-1}$$

Sequence: A215097
Score: 9.26913
Type of gen. func.: ogf

$$\frac{x(x^2+4x+1)}{(x^2+1)(x-1)^4}$$

Sequence: A215098
Score: 4.27537
Type of gen. func.: ogf

$$\{(n+4)a(n+1)+(-n-2)a(n+2)+(n+4)a(n+3)+(-n-2)a(n+4),$$

$$a(0)=0,\ a(1)=1,\ a(2)=2,\ a(3)=5\}$$

Sequence: A215098
Score: 9.36738
Type of gen. func.: ogf

$$\frac{x(x^3-3x^2+x-1)}{(x^2+1)(x-1)^3}$$

Sequence: A215100
Score: 12.9790
Type of gen. func.: ogf

$$\frac{(x+2)(x-1)}{x^3+4x^2+3x-1}$$

Sequence: A215100
Score: 6.76682
Type of gen. func.: ogf

$$(1575 f(x) + 2042) (f(x) x^3 + 4 f(x) x^2 + 3 f(x) x - x^2 - f(x) - x + 2)$$

Sequence: A215100
Score: 7.00635
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 4 a(n + 1) - a(n), a(0) = 2, a(1) = 5, a(2) = 22\}$$

Sequence: A215100
Score: 8.16204
Type of gen. func.: lgdogf

$$- \frac{x^4 + 2 x^3 - 5 x^2 - 14 x - 5}{x^5 + 5 x^4 + 5 x^3 - 6 x^2 - 7 x + 2}$$

Sequence: A215108
Score: 6.67506
Type of gen. func.: ogf

$$\frac{x (x + 1) (2 x + 1)}{(x^2 + x + 1) (x^2 + x - 1)^2}$$

Sequence: A215109
Score: 7.80452
Type of gen. func.: ogf

$$\frac{2 x + 1}{(x^2 + x + 1) (x^2 + x - 1)^2}$$

Sequence: A215112
Score: 12.9585
Type of gen. func.: ogf

$$\frac{3 x + 1}{x^3 + x^2 - 2 x - 1}$$

Sequence: A215112
Score: 6.13212
Type of gen. func.: ogf

$$\{-a(n + 3) - 2 a(n + 2) + a(n + 1) + a(n), a(0) = -1, a(1) = -1, a(2) = 1\}$$

Sequence: A215112
Score: 6.30089
Type of gen. func.: ogf

$$-(35 f(x) + 38) (f(x) x^3 + f(x) x^2 - 2 f(x) x - f(x) - 3 x - 1)$$

Sequence: A215112
Score: 8.58498
Type of gen. func.: lgdogf

$$-\frac{6 x^3 + 6 x^2 + 2 x + 1}{3 x^4 + 4 x^3 - 5 x^2 - 5 x - 1}$$

Sequence: A215137
Score: 10.402
Type of gen. func.: ogf

$$(17 f(x) + 145) (f(x) x^2 - 2 f(x) x + f(x) - 16 x - 1)$$

Sequence: A215137
Score: 11.1540
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 18\}$$

Sequence: A215137
Score: 17.8035
Type of gen. func.: lgdogf

$$-\frac{-16 x - 18}{-16 x^2 + 15 x + 1}$$

Sequence: A215137
Score: 20.1257
Type of gen. func.: ogf

$$\frac{16 x + 1}{(x - 1)^2}$$

Sequence: A215139
Score: 9.12254
Type of gen. func.: ogf

$$-\frac{(x + 1) (6 x^4 + x^3 - 12 x^2 - x + 5)}{7 x^6 - 14 x^4 + 7 x^2 - 1}$$

Sequence: A215143
Score: 12.8112
Type of gen. func.: ogf

$$-\frac{7 x^2 - 5 x + 1}{7 x^3 - 14 x^2 + 7 x - 1}$$

Sequence: A215143
Score: 7.02918
Type of gen. func.: ogf

{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 7 a(n), a(0) = 1, a(1) = 2, a(2) = 7}

Sequence: A215143
Score: 7.3546
Type of gen. func.: ogf

$$-f(x) (7 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x + 7 x^2 - f(x) - 5 x + 1)$$

Sequence: A215143
Score: 7.42334
Type of gen. func.: lgdogf

$$-\frac{-49 x^4 + 70 x^3 - 42 x^2 + 14 x - 2}{-49 x^5 + 133 x^4 - 126 x^3 + 56 x^2 - 12 x + 1}$$

Sequence: A215144
Score: 15.8812
Type of gen. func.: lgdogf

$$-\frac{-18 x - 20}{-18 x^2 + 17 x + 1}$$

Sequence: A215144
Score: 17.9526
Type of gen. func.: ogf

$$\frac{18 x + 1}{(x - 1)^2}$$

Sequence: A215144
Score: 9.27888
Type of gen. func.: ogf

$$(19 f(x) + 181) (f(x) x^2 - 2 f(x) x + f(x) - 18 x - 1)$$

Sequence: A215144
Score: 9.94964

Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 20\}$$

Sequence: A215145
Score: 14.8205
Type of gen. func.: lgdogf

$$-\frac{-19 x - 21}{-19 x^2 + 18 x + 1}$$

Sequence: A215145
Score: 16.7537
Type of gen. func.: ogf

$$\frac{19 x + 1}{(x - 1)^2}$$

Sequence: A215145
Score: 8.6592
Type of gen. func.: ogf

$$(40 f(x) + 401) (f(x) x^2 - 2 f(x) x + f(x) - 19 x - 1)$$

Sequence: A215145
Score: 9.28516
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 21\}$$

Sequence: A215146
Score: 14.0703
Type of gen. func.: lgdogf

$$-\frac{-20 x - 22}{-20 x^2 + 19 x + 1}$$

Sequence: A215146
Score: 15.9056
Type of gen. func.: ogf

$$\frac{20 x + 1}{(x - 1)^2}$$

Sequence: A215146
Score: 8.22087
Type of gen. func.: ogf

$$(21 f(x) + 221) (f(x) x^2 - 2 f(x) x + f(x) - 20 x - 1)$$

Sequence: A215146
Score: 8.81514
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 22\}$$

Sequence: A215148
Score: 12.5897
Type of gen. func.: lgdogf

$$- \frac{-22 x - 24}{-22 x^2 + 21 x + 1}$$

Sequence: A215148
Score: 14.2318
Type of gen. func.: ogf

$$\frac{22 x + 1}{(x - 1)^2}$$

Sequence: A215148
Score: 7.35578
Type of gen. func.: ogf

$$(23 f(x) + 265) (f(x) x^2 - 2 f(x) x + f(x) - 22 x - 1)$$

Sequence: A215148
Score: 7.88753
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 24\}$$

Sequence: A215149
Score: 3.65428
Type of gen. func.: ogf

$$\{(2 n^2 + 10 n + 12) a(n + 1) + (-3 n^2 - 12 n - 9) a(n + 2)$$
$$+ (n^2 + 3 n + 2) a(n + 3), a(0) = 0, a(1) = 2, a(2) = 6\}$$

Sequence: A215149
Score: 4.69455
Type of gen. func.: ogf

$$(12 f(x) + 17)$$
$$(4 f(x) x^4 - 12 f(x) x^3 + 13 f(x) x^2 - 5 x^3 - 6 f(x) x + 6 x^2 + f(x) - 2 x)$$

Sequence: A215149
Score: 7.39257
Type of gen. func.: lgdogf

$$- \frac{20 x^3 - 36 x^2 + 24 x - 6}{10 x^4 - 27 x^3 + 27 x^2 - 12 x + 2}$$

Sequence: A215149
Score: 8.57539
Type of gen. func.: ogf

$$x (5 x^2 - 6 x + 2)$$

$$\overline{(x-1)^2\,(2x-1)^2}$$

Sequence: A215171
Score: 5.97271
Type of gen. func.: lgdogf

$$-\frac{-16x^4+448x^3+1952x^2-832x-16}{-x^5+29x^4+174x^3-174x^2-29x+1}$$

Sequence: A215171
Score: 8.92655
Type of gen. func.: lgdogf

$$-\frac{-16x^4+448x^3+1952x^2-832x-16}{-x^5+29x^4+174x^3-174x^2-29x+1}$$

Sequence: A215175
Score: 5.11555
Type of gen. func.: ogf

$$-\frac{x^{11}+2x^9-3x^8+2x^7+8x^6+2x^5-4x^4+x^3+2x^2-1}{(x^4+1)(x^2+1)(x+1)^3(x-1)^3}$$

Sequence: A215183
Score: 7.46517
Type of gen. func.: ogf

$$-\frac{x^9-2x^8+3x^5-2x^3+2x^2+x+2}{(x+1)(x^2+x+1)^2(x-1)^5}$$

Sequence: A215191
Score: 8.62921
Type of gen. func.: lgdogf

$$-\frac{-28 x^3 - 68 x^2 - 100 x - 44}{-7 x^4 - 8 x^3 - 2 x^2 + 8 x + 9}$$

Sequence: A215191
Score: 8.73194
Type of gen. func.: ogf

$$-\frac{2 x (7 x^2 + 8 x + 9)}{(x + 1) (x - 1)^5}$$

Sequence: A215192
Score: 4.28223
Type of gen. func.: ogf

$$\frac{6 x (8 x^6 + 24 x^5 + 57 x^4 + 69 x^3 + 56 x^2 + 21 x + 5)}{(x^2 + x + 1) (x + 1)^2 (x - 1)^6}$$

Sequence: A215205
Score: 6.78498
Type of gen. func.: ogf

$$-\frac{x^6 - x^5 + 3 x^4 - x^3 + 3 x^2 - x + 1}{(x - 1) (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A215229
Score: 3.49458
Type of gen. func.: ogf

$$\{(229 n^2 + 2262 n + 5384) a(n + 1) + (82 n^2 + 2172 n + 8006) a(n + 2)$$

$$+ (-311 n^2 - 1194 n - 1144) a(n + 3), a(0) = 0, a(1) = 18, a(2) = 408\}$$

Sequence: A215229
Score: 6.04715
Type of gen. func.: ogf

$$\frac{6 x (7 x^3 - 77 x^2 - 47 x - 3)}{(x - 1)^7}$$

Sequence: A215229
Score: 7.81373
Type of gen. func.: lgdogf

$$- \frac{-28 x^3 + 364 x^2 + 436 x + 68}{-7 x^4 + 84 x^3 - 30 x^2 - 44 x - 3}$$

Sequence: A215230
Score: 3.20999
Type of gen. func.: ogf

$$\{(139 n^2 + 1008 n + 1565) a(n + 1) + (486 n^2 + 5972 n + 12084) a(n + 2) + (-625 n^2 - 1632 n - 1007) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 840\}$$

Sequence: A215230
Score: 5.27924
Type of gen. func.: ogf

$$\frac{840 x^2 (x^2 + 4 x + 1)}{(x - 1)^8}$$

Sequence: A215230
Score: 9.67861
Type of gen. func.: lgdogf

$$- \frac{6 x^2 + 30 x + 12}{x^3 + 3 x^2 - 3 x - 1}$$

Sequence: A215255
Score: 4.51372
Type of gen. func.: ogf

$$-(x^{17}+x^{14}+x^{12}+5x^{11}+2x^{10}-x^{9}+3x^{8}+3x^{7}+6x^{5}+4x^{4}+3x^{3}+2x^{2}+x+1)\;/\;(x^{18}+6x^{12}+10x^{6}-1)$$

Sequence: A215285
Score: 9.75245
Type of gen. func.: ogf

$$\frac{5x^{8}-9x^{7}-3x^{6}-x^{4}+x-1}{(x-1)^{3}}$$

Sequence: A215340
Score: 19.7705
Type of gen. func.: revogf

$$-\frac{x^{4}-x}{x+1}$$

Sequence: A215341
Score: 17.5680
Type of gen. func.: revogf

$$-\frac{x^{2}-x}{x^{4}-x+1}$$

Sequence: A215342
Score: 17.4512
Type of gen. func.: revogf

5   2

$$-\frac{-x\ \ - x\ \ + x}{x - 1}$$

Sequence: A215404
Score: 10.09
Type of gen. func.: ogf

$$f(x)\,x^{3} + 3\,f(x)\,x^{2} - 4\,f(x)\,x - x^{2} + f(x)$$

Sequence: A215404
Score: 12.7702
Type of gen. func.: lgdogf

$$-\frac{3\,x^{2} + 6\,x - 4}{x^{3} + 3\,x^{2} - 4\,x + 1}$$

Sequence: A215404
Score: 18.1620
Type of gen. func.: ogf

$$\frac{x^{2}}{x^{3} + 3\,x^{2} - 4\,x + 1}$$

Sequence: A215404
Score: 7.42991
Type of gen. func.: ogf

{-a(n + 3) + 4 a(n + 2) - 3 a(n + 1) - a(n), a(0) = 0, a(1) = 0, a(2) = 1}

Sequence: A215412
Score: 8.34557
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2\,x^{7} - 2\,x^{6} - 2\,x^{5} - 2\,x^{4} + 2\,x^{3} + 2\,x^{2} + 2\,x - 2}{-x^{9} - 1}$$

Sequence: A215414
Score: 7.68069
Type of gen. func.: ogf

$$\frac{86400\,x\,(365\,x^3 + 366\,x^2 + 365\,x + 365)}{(x + 1)\,(x^2 + 1)\,(x - 1)^2}$$

Sequence: A215415
Score: 11.5997
Type of gen. func.: ogf

$$-\frac{x\,(x^2 - 3\,x + 1)}{(x - 1)^2\,(x^2 + 1)}$$

Sequence: A215415
Score: 4.34247
Type of gen. func.: ogf

$$\{(n + 3)\,a(n + 1) + (-n - 2)\,a(n + 2) + (n + 3)\,a(n + 3) + (-n - 2)\,a(n + 4),$$

$$a(0) = 0,\ a(1) = -1,\ a(2) = 1,\ a(3) = 3\}$$

Sequence: A215415
Score: 6.09194
Type of gen. func.: ogf

$$-(11\,f(x) + 23)$$

$$(f(x)\,x^4 - 2\,f(x)\,x^3 + 2\,f(x)\,x^2 + x^3 - 2\,f(x)\,x - 3\,x^2 + f(x) + x)$$

Sequence: A215415
Score: 8.82064
Type of gen. func.: lgdogf

$$-\frac{2\,x^4 - 9\,x^3 + 7\,x^2 - 3\,x - 1}{{}^{5}\qquad{}^{4}\qquad{}^{3}\qquad{}^{2}}$$

$$x - 4 x + 5 x - 5 x + 4 x - 1$$

Sequence: A215418
Score: 5.13327
Type of gen. func.: ogf

$$-(3673891 f(x) - 271468582) (-13 x^4 + 7 x^3 + f(x) x + 10 x^2 - f(x) - 2 x + 1)$$

Sequence: A215418
Score: 5.22745
Type of gen. func.: ogf

$$\{a(n + 5) - a(n + 4), a(0) = 1, a(1) = -1, a(2) = 9, a(3) = 16, a(4) = 3\}$$

Sequence: A215418
Score: 9.04432
Type of gen. func.: ogf

$$\frac{13 x^4 - 7 x^3 - 10 x^2 + 2 x - 1}{x - 1}$$

Sequence: A215448
Score: 14.6958
Type of gen. func.: ogf

$$\frac{(x - 1) (2 x - 1)}{x^3 - 3 x + 1}$$

Sequence: A215448
Score: 8.2859
Type of gen. func.: ogf

$$(57 f(x) - 2) (f(x) x^3 - 3 f(x) x - 2 x^2 + f(x) + 3 x - 1)$$

Sequence: A215448
Score: 8.37500

Type of gen. func.: lgdogf

$$-\frac{-2x^4+6x^3-9x^2+4x}{-2x^5+3x^4+5x^3-11x^2+6x-1}$$

Sequence: A215448
Score: 8.37500
Type of gen. func.: ogf

$$\{a(n+3)-3a(n+2)+a(n),\ a(0)=1,\ a(1)=0,\ a(2)=2\}$$

Sequence: A215455
Score: 4.45876
Type of gen. func.: ogf

$$\{-a(n+3)+6a(n+2)-9a(n+1)+a(n),\ a(0)=3,\ a(1)=6,\ a(2)=18\}$$

Sequence: A215455
Score: 6.50928
Type of gen. func.: ogf

$$-(175f(x)-137)(f(x)x^3-9f(x)x^2+6f(x)x+9x^2-f(x)-12x+3)$$

Sequence: A215455
Score: 8.12645
Type of gen. func.: ogf

$$-\frac{3(x-1)(3x-1)}{x^3-9x^2+6x-1}$$

Sequence: A215458
Score: 11.5556
Type of gen. func.: ogf

$$-\frac{x(2x^2-1)}{(x-1)(2x-1)(2x^2-x+1)}$$

Sequence: A215458
Score: 5.8226
Type of gen. func.: ogf

$$(756 f(x) + 947)$$

$$(4 f(x) x^4 - 8 f(x) x^3 + 7 f(x) x^2 + 2 x^3 - 4 f(x) x + f(x) - x)$$

Sequence: A215459
Score: 9.78692
Type of gen. func.: ogf

$$- \frac{(x^2 + 1) (2 x^5 - 2 x^3 - 1)}{(x - 1)^2}$$

Sequence: A215465
Score: 4.40011
Type of gen. func.: ogf

$$-(2475 f(x) - 248)$$

$$(f(x) x^4 - 10 f(x) x^3 + 23 f(x) x^2 + x^3 - 10 f(x) x + f(x) - x)$$

Sequence: A215465
Score: 8.86493
Type of gen. func.: ogf

$$- \frac{x (x - 1) (x + 1)}{(x^2 - 7 x + 1) (x^2 - 3 x + 1)}$$

Sequence: A215466
Score: 4.24455
Type of gen. func.: ogf

$$(11 f(x) - 5)$$

$$(f(x) x^4 - 10 f(x) x^3 + 23 f(x) x^2 - x^3 - 10 f(x) x + 4 x^2 + f(x) - x)$$

Sequence: A215466
Score: 7.65136
Type of gen. func.: ogf

$$\frac{x (x^2 - 4 x + 1)}{(x^2 - 7 x + 1) (x^2 - 3 x + 1)}$$

Sequence: A215472
Score: 16.5611
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-10 x - 14}{x^2 - 1}$$

Sequence: A215484
Score: 14.3181
Type of gen. func.: ogf

$$-7 f(x) x^3 - 21 f(x) x^2 - 9 x^2 + f(x)$$

Sequence: A215484
Score: 15.5314
Type of gen. func.: lgdogf

$$- \frac{-21 x^2 - 42 x}{-7 x^3 - 21 x^2 + 1}$$

Sequence: A215484
Score: 21.8180
Type of gen. func.: ogf

$$- \frac{9 x^2}{7 x^3 + 21 x^2 - 1}$$

Sequence: A215484
Score: 9.85328
Type of gen. func.: ogf

$$\{-a(n + 3) + 21 a(n + 1) + 7 a(n), a(0) = 0, a(1) = 0, a(2) = 9\}$$

Sequence: A215492
Score: 13.9485
Type of gen. func.: ogf

$$-\frac{3 x (2 x + 1)}{7 x^3 + 21 x^2 - 1}$$

Sequence: A215492
Score: 8.01296
Type of gen. func.: ogf

$$\{a(n + 3) - 21 a(n + 1) - 7 a(n), a(0) = 0, a(1) = 3, a(2) = 6\}$$

Sequence: A215492
Score: 8.09911
Type of gen. func.: ogf

$$(462 f(x) + 85) (7 f(x) x^3 + 21 f(x) x^2 + 6 x^2 - f(x) + 3 x)$$

Sequence: A215492
Score: 8.75835
Type of gen. func.: lgdogf

$$-\frac{-28 x^3 - 63 x^2 - 42 x - 2}{-14 x^4 - 49 x^3 - 21 x^2 + 2 x + 1}$$

Sequence: A215493
Score: 13.0129
Type of gen. func.: ogf

$$\frac{x (3 x - 1)}{7 x^3 - 14 x^2 + 7 x - 1}$$

Sequence: A215493
Score: 6.73881
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) - 14 a(n + 1) + 7 a(n), a(0) = 0, a(1) = 1, a(2) = 4\}$$

Sequence: A215493
Score: 8.67525
Type of gen. func.: lgdogf

$$- \frac{42 x^3 - 63 x^2 + 28 x - 4}{21 x^4 - 49 x^3 + 35 x^2 - 10 x + 1}$$

Sequence: A215493
Score: 8.77612
Type of gen. func.: ogf

$$-7 f(x) x^3 + 14 f(x) x^2 - 7 f(x) x + 3 x^2 + f(x) - x$$

Sequence: A215494
Score: 11.5176
Type of gen. func.: ogf

$$- \frac{7 (x - 1) (3 x - 1)}{7 x^3 - 14 x^2 + 7 x - 1}$$

Sequence: A215494
Score: 6.19431
Type of gen. func.: ogf

$$-(7 f(x) + 16) (7 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x + 21 x^2 - f(x) - 28 x + 7)$$

Sequence: A215494
Score: 6.40977
Type of gen. func.: ogf

$\{-a(n + 3) + 7 a(n + 2) - 14 a(n + 1) + 7 a(n), a(0) = 7, a(1) = 21, a(2) = 70\}$

Sequence: A215494
Score: 7.02023
Type of gen. func.: lgdogf

$$-\frac{-21 x^4 + 56 x^3 - 56 x^2 + 22 x - 3}{-21 x^5 + 70 x^4 - 84 x^3 + 45 x^2 - 11 x + 1}$$

Sequence: A215495
Score: 13.7285
Type of gen. func.: ogf

$$\frac{x^5 + x^4 + 2 x^3 + x + 1}{(x^2 + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A215500
Score: 10.2478
Type of gen. func.: ogf

$$-\frac{2 (x - 2) (2 x - 1) (x + 1)}{(x^2 - 3 x + 1) (x^2 - x - 1)}$$

Sequence: A215500
Score: 5.63627
Type of gen. func.: ogf

$$(15 f(x) + 236)$$

$$(f(x) x^4 - 4 f(x) x^3 + 3 f(x) x^2 + 4 x^3 + 2 f(x) x - 6 x^2 - f(x) - 6 x + 4)$$

Sequence: A215502
Score: 5.3355
Type of gen. func.: ogf

$$-(9 f(x) - 5) (4 f(x) x^4 + 2 f(x) x^3 - 6 f(x) x^2 - 2 x^3 - f(x) x + 12 x^2 + f(x) + 3 x - 4)$$

Sequence: A215502
Score: 9.71336
Type of gen. func.: ogf

$$\frac{2 x^3 - 12 x^2 - 3 x + 4}{(2 x + 1) (x - 1) (2 x^2 + 2 x - 1)}$$

Sequence: A215503
Score: 6.05592
Type of gen. func.: ogf

$$-\frac{5 x^6 + 2 x^5 - 51 x^4 - 20 x^3 + 45 x^2 + 6 x - 7}{(x + 1) (x^2 - 2 x - 1) (x^4 - 4 x^3 - 2 x^2 + 4 x - 1)}$$

Sequence: A215510
Score: 12.2754
Type of gen. func.: ogf

$$\frac{7 x (2 x - 1)}{7 x^3 - 14 x^2 + 7 x - 1}$$

Sequence: A215510
Score: 6.40927
Type of gen. func.: ogf

$\{-a(n + 3) + 7 a(n + 2) - 14 a(n + 1) + 7 a(n), a(0) = 0, a(1) = 7, a(2) = 35\}$

Sequence: A215510
Score: 8.32468
Type of gen. func.: ogf

$$7 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x - 14 x^2 - f(x) + 7 x$$

Sequence: A215510
Score: 8.42149
Type of gen. func.: lgdogf

$$-\frac{28 x^3 - 49 x^2 + 28 x - 5}{14 x^4 - 35 x^3 + 28 x^2 - 9 x + 1}$$

Sequence: A215512
Score: 12.6733
Type of gen. func.: ogf

$$\frac{x^2 + 2 x - 1}{x^3 - 6 x^2 + 5 x - 1}$$

Sequence: A215512
Score: 6.78133
Type of gen. func.: ogf

$$(161 f(x) + 44) (f(x) x^3 - 6 f(x) x^2 + 5 f(x) x - x^2 - f(x) - 2 x + 1)$$

Sequence: A215512
Score: 6.90241
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 6 a(n + 1) - a(n), a(0) = 1, a(1) = 3, a(2) = 8\}$$

Sequence: A215512
Score: 7.80879
Type of gen. func.: lgdogf

4 3 2

$$-\frac{x + 4 x - 20 x + 14 x - 3}{x^{5} - 4 x^{4} - 8 x^{3} + 15 x^{2} - 7 x + 1}$$

Sequence: A215524
Score: 15.9682
Type of gen. func.: lgdegf]

$$(2 \ln(x + 1) + 1) (x + 1)$$

Sequence: A215524
Score: 42.3537
Type of gen. func.: lgdegf]

$$(2 \ln(x + 1) + 1) (x + 1)$$

Sequence: A215537
Score: 10.5224
Type of gen. func.: lgdogf

$$-\frac{-6 x^{3} + 18 x^{2} - 27 x + 17}{6 x^{4} - 3 x^{3} - 36 x^{2} + 58 x - 25}$$

Sequence: A215537
Score: 14.3640
Type of gen. func.: ogf

$$\frac{6 x^{3} + 3 x^{2} - 33 x + 25}{(x - 1)^{2}}$$

Sequence: A215537
Score: 7.66890
Type of gen. func.: ogf

$\{-a(n + 4) + 2 a(n + 3) - a(n + 2), a(0) = 25, a(1) = 17, a(2) = 12, a(3) = 13\}$

Sequence: A215537
Score: 8.45728
Type of gen. func.: ogf

$$(31 f(x) + 1227) (f(x) x^2 - 6 x^3 - 2 f(x) x - 3 x^2 + f(x) + 33 x - 25)$$

Sequence: A215543
Score: 4.80573
Type of gen. func.: ogf

$$\{(-227 n^2 - 617 n) a(n) + (1786 n^2 + 6682 n + 4896) a(n + 1) + (-1559 n^2 - 2069 n - 510) a(n + 2), a(0) = 0, a(1) = 5\}$$

Sequence: A215543
Score: 5.48305
Type of gen. func.: ogf

$$(1215 f(x) + 11348) (f(x) x^4 - 4 f(x) x^3 - 2 x^4 + 6 f(x) x^2 + 8 x^3 - 4 f(x) x - 28 x^2 + f(x) - 5 x)$$

Sequence: A215543
Score: 9.49970
Type of gen. func.: lgdogf

$$-\frac{-2 x^3 + 10 x^2 - 68 x - 48}{-2 x^4 + 10 x^3 - 36 x^2 + 23 x + 5}$$

Sequence: A215543
Score: 9.96310
Type of gen. func.: ogf

$$\frac{x (2 x^3 - 8 x^2 + 28 x + 5)}{(x - 1)^4}$$

Sequence: A215544
Score: 7.24731
Type of gen. func.: lgdogf

$$-\frac{-3 x^4 + 18 x^3 + 120 x^2 + 870 x + 275}{-3 x^5 + 18 x^4 + 10 x^3 + 180 x^2 - 191 x - 14}$$

Sequence: A215544
Score: 7.66542
Type of gen. func.: ogf

$$\frac{x (3 x^4 - 15 x^3 - 25 x^2 - 205 x - 14)}{(x - 1)^5}$$

Sequence: A215545
Score: 6.00325
Type of gen. func.: ogf

$$\frac{x (4 x^5 - 24 x^4 + 256 x^3 + 1461 x^2 + 1386 x + 42)}{(x - 1)^6}$$

Sequence: A215546
Score: 4.94714
Type of gen. func.: ogf

$$\frac{x (5 x^6 - 35 x^5 - 609 x^4 - 11921 x^3 - 24892 x^2 - 9072 x - 132)}{(x - 1)^7}$$

Sequence: A215547
Score: 4.25274
Type of gen. func.: ogf

$$x (6 x^7 - 48 x^6 + 2808 x^5 + 83196 x^4 + 355384 x^3 + 323184 x^2 + 58584 x + 429)$$

$$/ \quad {}^{8}$$

$$/ \; (x - 1)$$

Sequence: A215548
Score: 3.55194
Type of gen. func.: ogf

$$x (7 x^8 - 63 x^7 - 9615 x^6 - 572643 x^5 - 4331133 x^4 - 7786221 x^3 - 3699621 x^2 - 376497 x - 1430) / (x - 1)^9$$

Sequence: A215560
Score: 12.2660
Type of gen. func.: ogf

$$\frac{46 x^2 + 6 x - 3}{x^3 + 46 x^2 + 3 x - 1}$$

Sequence: A215560
Score: 6.08473
Type of gen. func.: ogf

$$-(187421 f(x) - 186326)$$

$$(f(x) x^3 + 46 f(x) x^2 + 3 f(x) x - 46 x^2 - f(x) - 6 x + 3)$$

Sequence: A215560
Score: 6.71965
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 46 a(n + 1) - a(n), a(0) = 3, a(1) = 3, a(2) = 101\}$$

Sequence: A215560
Score: 6.96180
Type of gen. func.: lgdogf

$$- \frac{46 x^4 + 12 x^3 + 129 x^2 - 184 x - 3}{}$$

$$46 x^5 + 2122 x^4 + 411 x^3 - 166 x^2 - 15 x + 3$$

Sequence: A215569
Score: 11.8169
Type of gen. func.: ogf

$$- \frac{7 x (x + 2)}{x^3 + 46 x^2 + 3 x - 1}$$

Sequence: A215569
Score: 6.11575
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 46 a(n + 1) - a(n), a(0) = 0, a(1) = 14, a(2) = 49\}$$

Sequence: A215569
Score: 6.16987
Type of gen. func.: ogf

$$-(f(x) + 4) (f(x) x^3 + 46 f(x) x^2 + 3 f(x) x + 7 x^2 - f(x) + 14 x)$$

Sequence: A215569
Score: 8.20229
Type of gen. func.: lgdogf

$$- \frac{-2 x^3 - 52 x^2 - 184 x - 7}{-x^4 - 48 x^3 - 95 x^2 - 5 x + 2}$$

Sequence: A215572
Score: 12.5137
Type of gen. func.: ogf

$$\frac{(x + 2) (x - 1)}{x^3 + 46 x^2 + 3 x - 1}$$

Sequence: A215572
Score: 5.87766
Type of gen. func.: ogf

$$-(3302852007 f(x) - 68462998)$$

$$(f(x) x^3 + 46 f(x) x^2 + 3 f(x) x - x^2 - f(x) - x + 2)$$

Sequence: A215572
Score: 6.74653
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 46 a(n + 1) - a(n), a(0) = 2, a(1) = 5, a(2) = 106\}$$

Sequence: A215572
Score: 7.60638
Type of gen. func.: lgdogf

$$-\frac{x^4 + 2 x^3 + 37 x^2 - 182 x - 5}{x^5 + 47 x^4 + 47 x^3 - 90 x^2 - 7 x + 2}$$

Sequence: A215573
Score: 7.55574
Type of gen. func.: ogf

$$\frac{x (x^8 + 2 x^7 + 2 x^6 + x^4 + 2 x^2 + 2 x + 1)}{(x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2}$$

Sequence: A215575
Score: 11.3788
Type of gen. func.: ogf

$$\frac{7 x^2 - 14 x + 3}{7 x^3 + 7 x^2 - 7 x + 1}$$

Sequence: A215575
Score: 6.08178
Type of gen. func.: ogf

$$-(f(x) - 3) (7 f(x) x^3 + 7 f(x) x^2 - 7 f(x) x - 7 x^2 + f(x) + 14 x - 3)$$

Sequence: A215575
Score: 6.24323
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 7 a(n + 1) + 7 a(n), a(0) = 3, a(1) = 7, a(2) = 35\}$$

Sequence: A215575
Score: 6.53227
Type of gen. func.: lgdogf

$$-\frac{-49 x^4 + 196 x^3 - 14 x^2 - 28 x + 7}{-49 x^5 + 49 x^4 + 126 x^3 - 126 x^2 + 35 x - 3}$$

Sequence: A215576
Score: 11.9363
Type of gen. func.: ogf

$$-f(x)^2 x^3 - f(x)^2 x - x^2 + f(x) - 1$$

Sequence: A215580
Score: 10.0801
Type of gen. func.: lgdogf

$$-\frac{4 x^5 - 9 x^4 + 14 x^3 - 24 x^2 + 4 x + 5}{2 x^6 - 7 x^5 + 5 x^4 - 5 x^2 + 7 x - 2}$$

Sequence: A215580
Score: 17.5162
Type of gen. func.: ogf

$$-\frac{2 x^2 - x + 2}{(x^2 - 3 x + 1) (x - 1) (x + 1)}$$

Sequence: A215580
Score: 8.83047
Type of gen. func.: ogf

$$-(7520 f(x) - 3681) (f(x) x^4 - 3 f(x) x^3 + 3 f(x) x + 2 x^2 - f(x) - x + 2)$$

Sequence: A215594
Score: 9.35622
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^8 - x^7 + 2 x^5 + 2 x^3 - x + 2}{-x^{10} + 1}$$

Sequence: A215595
Score: 15.5074
Type of gen. func.: ogf

$$-\frac{x^2}{(26 x - 1) (x^2 - 26 x + 1)}$$

Sequence: A215595
Score: 6.12133
Type of gen. func.: ogf

$\{a(n + 3) - 52 a(n + 2) + 677 a(n + 1) - 26 a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$

Sequence: A215595
Score: 8.20979
Type of gen. func.: ogf

$$26 f(x) x^3 - 677 f(x) x^2 + 52 f(x) x + x^2 - f(x)$$

Sequence: A215595
Score: 9.55934
Type of gen. func.: lgdogf

$$-\frac{78x^2 - 1354x + 52}{26x^3 - 677x^2 + 52x - 1}$$

Sequence: A215596
Score: 11.1128
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4x^3 - x^2 - 1}{x^4 - 1}$$

Sequence: A215597
Score: 11.0299
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4x^3 + 4x^2 + 3x + 4}{-x^4 + 1}$$

Sequence: A215598
Score: 10.9174
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4x^3 + 3x^2 - 8x + 3}{x^4 - 1}$$

Sequence: A215600
Score: 12.6232
Type of gen. func.: ogf_with_Euler_transform]

$$8x^3 + 8x^2 + 6x + 8$$

$$- \frac{}{-x^4 + 1}$$

Sequence: A215602
Score: 12.7293
Type of gen. func.: lgdogf

$$- \frac{-2 x^4 + 2 x^3 - 12 x^2 + 12 x + 3}{-2 x^5 + 5 x^4 + 5 x - 2}$$

Sequence: A215602
Score: 17.1115
Type of gen. func.: ogf

$$\frac{2 x^2 - x + 2}{(x^2 - 3 x + 1) (x + 1)}$$

Sequence: A215602
Score: 9.23717
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 2, a(1) = 3, a(2) = 12}

Sequence: A215602
Score: 9.23719
Type of gen. func.: ogf

$$(25 f(x) + 22) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x - 2 x^2 + f(x) + x - 2)$$

Sequence: A215626
Score: 5.70352
Type of gen. func.: ogf

$$\frac{x^6 - 7 x^5 + 15 x^4 - 4 x^3 - 19 x^2 + 14 x + 1}{(x - 1)^8}$$

Sequence: A215627
Score: 5.03949
Type of gen. func.: ogf

$$-\frac{5 x^{6} - 28 x^{5} + 53 x^{4} - 27 x^{3} - 24 x^{2} + 21 x + 1}{(x - 1)^{9}}$$

Sequence: A215628
Score: 4.40267
Type of gen. func.: ogf

$$-\frac{4 x^{7} - 34 x^{6} + 110 x^{5} - 161 x^{4} + 83 x^{3} + 30 x^{2} - 32 x - 1}{(x - 1)^{10}}$$

Sequence: A215634
Score: 5.18882
Type of gen. func.: ogf

$$\{-a(n + 3) - 6 a(n + 2) - 9 a(n + 1) - 3 a(n), a(0) = 3, a(1) = -6, a(2) = 18\}$$

Sequence: A215634
Score: 5.23516
Type of gen. func.: ogf

$$(f(x) + 3) (3 f(x) x^{3} + 9 f(x) x^{2} + 6 f(x) x - 9 x^{2} + f(x) - 12 x - 3)$$

Sequence: A215634
Score: 9.45705
Type of gen. func.: ogf

$$\frac{3 (x + 1) (3 x + 1)}{3 x^{3} + 9 x^{2} + 6 x + 1}$$

Sequence: A215635
Score: 6.59168
Type of gen. func.: ogf

$$\frac{3\,(2x+1)\,(3x+1)\,(x+1)\,(x^2+4x+1)}{(2x^2+4x+1)\,(x^4+16x^3+20x^2+8x+1)}$$

Sequence: A215636
Score: 7.66853
Type of gen. func.: ogf

$$-\frac{3x^3\,(x+1)\,(3x+1)}{(2x^2+4x+1)\,(x^4+16x^3+20x^2+8x+1)}$$

Sequence: A215645
Score: 2.98239
Type of gen. func.: ogf

$$-(f(x)\,x-f(x)+1)^3$$

Sequence: A215646
Score: 11.1407
Type of gen. func.: ogf

$$\frac{x\,(x^2+7x+3)}{(x-1)^4}$$

Sequence: A215646
Score: 12.3223
Type of gen. func.: lgdogf

$$-\frac{2x^2+23x+19}{x^3+6x^2-4x-3}$$

Sequence: A215646
Score: 4.08679
Type of gen. func.: ogf

$$\{(9 + 3 n) a(n + 4) + (-11 + 4 n) a(n + 3) + (-29 - 6 n) a(n + 2) + (-n - 2) a(n + 1), a(0) = 0, a(1) = 3, a(2) = 19, a(3) = 59\}$$

Sequence: A215646
Score: 5.42182
Type of gen. func.: ogf

$$-(6805403 f(x) + 23415340) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 7 x^2 + f(x) - 3 x)$$

Sequence: A215661
Score: 13.5530
Type of gen. func.: revogf

$$-\frac{-2 x^3 - x^2 + x}{-2 x - 1}$$

Sequence: A215661
Score: 9.1527
Type of gen. func.: ogf

$$2 x^2 f(x)^3 + f(x)^2 x + 2 f(x) x - f(x) + 1$$

Sequence: A215664
Score: 13.7728
Type of gen. func.: ogf

$$-\frac{3 (x - 1) (x + 1)}{x^3 - 3 x^2 + 1}$$

Sequence: A215664
Score: 7.84900

Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 1) - a(n), a(0) = 3, a(1) = 0, a(2) = 6\}$$

Sequence: A215664
Score: 8.0215
Type of gen. func.: ogf

$$(35 f(x) - 41) (f(x) x^3 - 3 f(x) x^2 + 3 x^2 + f(x) - 3)$$

Sequence: A215664
Score: 9.12446
Type of gen. func.: lgdogf

$$- \frac{x^4 - 3 x^2 + 4 x}{x^5 - 3 x^4 - x^3 + 4 x^2 - 1}$$

Sequence: A215665
Score: 13.4835
Type of gen. func.: ogf

$$- \frac{3 (x + 1) x}{x^3 - 3 x^2 + 1}$$

Sequence: A215665
Score: 7.68414
Type of gen. func.: ogf

$$-(f(x) - 3) (f(x) x^3 - 3 f(x) x^2 + 3 x^2 + f(x) + 3 x)$$

Sequence: A215665
Score: 7.68414
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = -3, a(2) = -3\}$$

Sequence: A215665
Score: 9.92535
Type of gen. func.: lgdogf

$$-\frac{-2x^3+6x+1}{-x^4+2x^3+3x^2-x-1}$$

Sequence: A215666
Score: 13.3263
Type of gen. func.: ogf

$$\frac{3x(2x-1)}{x^3-3x^2+1}$$

Sequence: A215666
Score: 7.59456
Type of gen. func.: ogf

$$-(f(x)+2)(f(x)x^3-3f(x)x^2-6x^2+f(x)+3x)$$

Sequence: A215666
Score: 7.59457
Type of gen. func.: ogf

$$\{-a(n+3)+3a(n+1)-a(n), a(0)=0, a(1)=-3, a(2)=6\}$$

Sequence: A215666
Score: 8.82869
Type of gen. func.: lgdogf

$$-\frac{4x^3-9x^2+6x-2}{2x^4-7x^3+3x^2+2x-1}$$

Sequence: A215687
Score: 3.81319

Type of gen. func.: ogf

$$\{(2210 n^2 + 14137 n + 19434) a(n + 1) + (-7834 n^2 - 47089 n - 65616) a(n + 2) + (5624 n^2 + 19296 n + 16096) a(n + 3), a(0) = 0, a(1) = 16, a(2) = 174\}$$

Sequence: A215687
Score: 8.47827
Type of gen. func.: ogf

$$-\frac{2 x (3 x^3 - 10 x^2 + 47 x + 8)}{(x - 1)^5}$$

Sequence: A215687
Score: 9.16043
Type of gen. func.: lgdogf

$$-\frac{-6 x^3 + 21 x^2 - 168 x - 87}{-3 x^4 + 13 x^3 - 57 x^2 + 39 x + 8}$$

Sequence: A215688
Score: 5.06326
Type of gen. func.: ogf

$$-\frac{4 x (8 x^6 - 41 x^5 + 105 x^4 + 181 x^3 + 1925 x^2 + 1419 x + 48)}{(x - 1)^7}$$

Sequence: A215694
Score: 16.0440
Type of gen. func.: ogf

$$-\frac{3 x^2 - 3 x + 1}{x^3 - 6 x^2 + 5 x - 1}$$

Sequence: A215694
Score: 8.51032
Type of gen. func.: ogf

$$-(7 f(x) - 4) (f(x) x^3 - 6 f(x) x^2 + 5 f(x) x + 3 x^2 - f(x) - 3 x + 1)$$

Sequence: A215694
Score: 8.73828
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 6 a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 7\}$$

Sequence: A215694
Score: 9.88573
Type of gen. func.: lgdogf

$$-\frac{3 x^4 - 6 x^3 + 6 x^2 - 6 x + 2}{3 x^5 - 21 x^4 + 34 x^3 - 24 x^2 + 8 x - 1}$$

Sequence: A215695
Score: 15.3685
Type of gen. func.: ogf

$$-\frac{(4 x - 1) (x - 1)}{x^3 - 6 x^2 + 5 x - 1}$$

Sequence: A215695
Score: 8.15199
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^3 - 6 f(x) x^2 + 5 f(x) x + 4 x^2 - f(x) - 5 x + 1)$$

Sequence: A215695
Score: 8.44576
Type of gen. func.: ogf

{a(n + 3) - 5 a(n + 2) + 6 a(n + 1) - a(n), a(0) = 1, a(1) = 0, a(2) = -2}

Sequence: A215695
Score: 9.56611
Type of gen. func.: lgdogf

$$-\frac{4x^4 - 10x^3 + 13x^2 - 4x}{4x^5 - 29x^4 + 51x^3 - 35x^2 + 10x - 1}$$

Sequence: A215704
Score: 14.0612
Type of gen. func.: lgdegf]

$$(3\ln(x+1)+1)(x+1)^2$$

Sequence: A215704
Score: 33.5599
Type of gen. func.: lgdegf]

$$(3\ln(x+1)+1)(x+1)^2$$

Sequence: A215706
Score: 13.9690
Type of gen. func.: lgdegf]

$$(4\ln(x+1)+1)(x+1)^3$$

Sequence: A215706
Score: 33.3447
Type of gen. func.: lgdegf]

$$(4\ln(x+1)+1)(x+1)^3$$

Sequence: A215716
Score: 12.0716

Type of gen. func.: lgdegf]

$$-\frac{x^3 + x^2 + x + 1}{x^5 - 1}$$

Sequence: A215716
Score: 7.95932
Type of gen. func.: egf]

$$-\frac{11 x^{10} - 55 x^5 + 50}{(x - 1) (6 x^{10} - 45 x^5 + 50)}$$

Sequence: A215718
Score: 4.53770
Type of gen. func.: egf]

$$(4 x^{13} - 28 x^{12} - 28 x^{11} - 28 x^{10} - 28 x^9 + 56 x^8 + 56 x^7 - 56 x^6 - 147 x - 147) / (24 x^{13} - 63 x^9 + 91 x^7 - 56 x^6 + 147 x^2 - 147)$$

Sequence: A215718
Score: 9.61275
Type of gen. func.: lgdegf]

$$-\frac{x^5 + x^4 + x^3 + x^2 + x + 1}{x^7 - 1}$$

Sequence: A215748
Score: 4.28438
Type of gen. func.: ogf

$$-(f(x) - 1) (6 f(x) x - f(x) + 1)^2$$

Sequence: A215773
Score: 11.6898
Type of gen. func.: lgdogf

$$-\frac{-40 x^2 - 40 x - 25}{-8 x^3 + 4 x^2 + x + 3}$$

Sequence: A215773
Score: 3.89661
Type of gen. func.: ogf

$$\{(-9 - 3 n) a(n + 4) + (23 - n) a(n + 3) + (36 - 4 n) a(n + 2) + (40 + 8 n) a(n + 1), a(0) = 0, a(1) = 3, a(2) = 25, a(3) = 120\}$$

Sequence: A215773
Score: 7.75463
Type of gen. func.: ogf

$$-\frac{x (8 x^2 + 4 x + 3)}{(x - 1)^7}$$

Sequence: A215774
Score: 3.63860
Type of gen. func.: ogf

$$\{(-6307 n^2 - 97729 n - 359322) a(n + 1) + (11504 n^2 + 87304 n - 105556) a(n + 2) + (-5197 n^2 + 1545 n + 23878) a(n + 3), a(0) = 0, a(1) = 12, a(2) = 127\}$$

Sequence: A215774
Score: 5.77251
Type of gen. func.: ogf

$$-\frac{x (43 x^3 + 31 x^2 + 19 x + 12)}{(x - 1)^9}$$

Sequence: A215774
Score: 8.34504
Type of gen. func.: lgdogf

$$-\frac{258 x^{3} + 346 x^{2} + 214 x + 127}{43 x^{4} - 12 x^{3} - 12 x^{2} - 7 x - 12}$$

Sequence: A215784
Score: 5.60341
Type of gen. func.: ogf

$$-(517780 f(x) + 3177) (3 f(x) x^{4} - 16 f(x) x^{2} + 3 x^{3} + 4 x^{2} + f(x) - 2 x - 1)$$

Sequence: A215784
Score: 9.67861
Type of gen. func.: ogf

$$-\frac{(3 x + 1) (x^{2} + x - 1)}{3 x^{4} - 16 x^{2} + 1}$$

Sequence: A215785
Score: 6.37801
Type of gen. func.: ogf

$$-\frac{2 x^{5} - 2 x^{4} + 43 x^{3} + 19 x^{2} - 5 x - 1}{2 x^{6} + 99 x^{4} - 61 x^{2} + 1}$$

Sequence: A215786
Score: 3.88255
Type of gen. func.: ogf

$$-\frac{112 x^{7} - 252 x^{6} - 2092 x^{5} - 30 x^{4} - 428 x^{3} - 162 x^{2} + 5 x + 1}{{}^{8} \qquad {}^{6} \qquad {}^{4} \qquad {}^{2}}$$

$$140 x - 3336 x - 3439 x + 272 x - 1$$

Sequence: A215794
Score: 4.97013
Type of gen. func.: ogf

$$(6829 f(x) - 66) (7 f(x) x^3 - 35 f(x) x^2 + 21 f(x) x + 7 x^2 - f(x) - 10 x - 1)$$

Sequence: A215794
Score: 5.01260
Type of gen. func.: ogf

$$\{-a(n + 3) + 21 a(n + 2) - 35 a(n + 1) + 7 a(n), a(0) = -1, a(1) = -31, a(2) = -609\}$$

Sequence: A215794
Score: 9.16366
Type of gen. func.: ogf

$$-\frac{7 x^2 - 10 x - 1}{7 x^3 - 35 x^2 + 21 x - 1}$$

Sequence: A215814
Score: 5.04069
Type of gen. func.: ogf

$$(1132011312 f(x) + 1426543728334699) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 2602927 x^2 - f(x) - 4963298 x + 2481403)$$

Sequence: A215814
Score: 5.93252
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2481403, a(1) = 2480911, a(2) = 2601451\}$$

Sequence: A215814
Score: 7.27573
Type of gen. func.: lgdogf

$$-\frac{-2602927 x^2 + 4720742 x - 2480911}{-2602927 x^3 + 7566225 x^2 - 7444701 x + 2481403}$$

Sequence: A215814
Score: 9.76237
Type of gen. func.: ogf

$$-\frac{2602927 x^2 - 4963298 x + 2481403}{(x - 1)^3}$$

Sequence: A215817
Score: 6.19573
Type of gen. func.: ogf

$$-\frac{(2 x - 1) (6 x^4 - 40 x^3 + 58 x^2 - 24 x + 3)}{x^6 - 24 x^5 + 86 x^4 - 104 x^3 + 53 x^2 - 12 x + 1}$$

Sequence: A215827
Score: 8.08570
Type of gen. func.: ogf

$$\frac{3 x^6 + 962 x^5 + 8707 x^4 + 11942 x^3 + 3545 x^2 + 352 x + 4}{(x - 1)^2}$$

Sequence: A215828
Score: 6.43849
Type of gen. func.: ogf

$$x^8 - 5 x^7 + 25 x^6 + 6 x^5 - 22 x^4 + 62 x^3 - 3 x^2 - x - 3$$

9 6 3

$$x + 25 x + 31 x - 1$$

Sequence: A215829
Score: 10.7429
Type of gen. func.: ogf

$$\frac{3 (3 x + 1) (x - 1)}{3 x^3 + 9 x^2 - 3 x - 1}$$

Sequence: A215829
Score: 5.79927
Type of gen. func.: ogf

$$\{-a(n + 3) - 3 a(n + 2) + 9 a(n + 1) + 3 a(n), a(0) = 3, a(1) = -3, a(2) = 27\}$$

Sequence: A215829
Score: 5.79928
Type of gen. func.: ogf

$$(47 f(x) - 57) (3 f(x) x^3 + 9 f(x) x^2 - 3 f(x) x - 9 x^2 - f(x) + 6 x + 3)$$

Sequence: A215829
Score: 6.48829
Type of gen. func.: lgdogf

$$- \frac{9 x^4 - 12 x^3 - 18 x^2 - 12 x + 1}{9 x^5 + 21 x^4 - 30 x^3 - 6 x^2 + 5 x + 1}$$

Sequence: A215831
Score: 6.38901
Type of gen. func.: ogf

$$\frac{3 x^8 - 11 x^7 + 35 x^6 - 30 x^5 - 26 x^4 - 22 x^3 - 9 x^2 + x - 1}{x^9 + 105 x^6 - 33 x^3 - 1}$$

Sequence: A215862
Score: 10.9683
Type of gen. func.: ogf

$$\frac{x (x - 4)}{(x - 1)^5}$$

Sequence: A215862
Score: 16.7882
Type of gen. func.: lgdogf

$$- \frac{-4 x + 19}{-x^2 + 5 x - 4}$$

Sequence: A215862
Score: 5.44781
Type of gen. func.: ogf

$$\{(-8 - 4 n) a(n + 3) + (24 + 5 n) a(n + 2) + (-n - 4) a(n + 1), a(0) = 0, a(1) = 4, a(2) = 19\}$$

Sequence: A215863
Score: 12.4261
Type of gen. func.: lgdogf

$$- \frac{-30 x^2 + 135}{-6 x^3 + 8 x^2 + 17 x - 19}$$

Sequence: A215863
Score: 3.92084
Type of gen. func.: ogf

$$\{(-57 - 19 n) a(n + 4) + (169 + 17 n) a(n + 3) + (8 + 8 n) a(n + 2) + (-30 - 6 n) a(n + 1), a(0) = 0, a(1) = 19, a(2) = 135, a(3) = 540\}$$

Sequence: A215863
Score: 7.91857
Type of gen. func.: ogf

$$\frac{x (6 x^2 - 2 x - 19)}{(x - 1)^7}$$

Sequence: A215864
Score: 5.83762
Type of gen. func.: ogf

$$\frac{x (7 x^3 + 59 x^2 - 34 x - 137)}{(x - 1)^9}$$

Sequence: A215864
Score: 8.25961
Type of gen. func.: lgdogf

$$- \frac{42 x^3 + 434 x^2 - 154 x - 1267}{7 x^4 + 52 x^3 - 93 x^2 - 103 x + 137}$$

Sequence: A215865
Score: 4.19428
Type of gen. func.: ogf

$$- \frac{x (194 x^4 - 713 x^3 - 5 x^2 + 113 x + 1356)}{(x - 1)^{11}}$$

Sequence: A215866
Score: 5.81697
Type of gen. func.: ogf

$$(464652 f(x) - 155801) (3 f(x) x^4 - 16 f(x) x^2 + 2 x^3 + 4 x^2 + f(x) - 5 x - 1)$$

Sequence: A215866
Score: 9.87121
Type of gen. func.: ogf

$$-\frac{(x-1)(2x^2+6x+1)}{3x^4-16x^2+1}$$

Sequence: A215867
Score: 6.24641
Type of gen. func.: ogf

$$-\frac{2x^5+28x^4+43x^3+32x^2-5x-1}{2x^6+99x^4-61x^2+1}$$

Sequence: A215868
Score: 3.96650
Type of gen. func.: ogf

$$-\frac{120x^7-252x^6-566x^5-30x^4-807x^3-162x^2+14x+1}{140x^8-3336x^6-3439x^4+272x^2-1}$$

Sequence: A215877
Score: 5.83956
Type of gen. func.: ogf

$$-\frac{x(x^2-4x+1)(2x-1)^2}{x^6-24x^5+86x^4-104x^3+53x^2-12x+1}$$

Sequence: A215878
Score: 14.9951
Type of gen. func.: ogf

$$-\frac{10(3x^2+2x+1)}{(6x^2-1)(x^2+1)}$$

Sequence: A215878
Score: 7.43558
Type of gen. func.: lgdogf

$$-\frac{36 x^{5} + 36 x^{4} + 24 x^{3} + 10 x^{2} + 16 x + 2}{18 x^{6} + 12 x^{5} + 21 x^{4} + 10 x^{3} + 2 x^{2} - 2 x - 1}$$

Sequence: A215878
Score: 8.82063
Type of gen. func.: ogf

$$(1389 f(x) + 5180) (6 f(x) x^{4} + 5 f(x) x^{2} + 30 x^{2} - f(x) + 20 x + 10)$$

Sequence: A215885
Score: 10.3234
Type of gen. func.: lgdogf

$$-\frac{4 x^{3} - 3 x^{2} + 1}{2 x^{4} - x^{3} - 6 x^{2} + 5 x - 1}$$

Sequence: A215885
Score: 17.4351
Type of gen. func.: ogf

$$-\frac{3 (2 x - 1)}{x^{3} - 3 x + 1}$$

Sequence: A215885
Score: 8.34661
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + a(n), a(0) = 3, a(1) = 3, a(2) = 9\}$$

Sequence: A215885
Score: 8.8155
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^3 - 3 f(x) x + f(x) + 6 x - 3)$$

Sequence: A215898
Score: 6.12402
Type of gen. func.: ogf

$$-\frac{(x^2 + x + 1) (x^4 - 2 x^3 + 4 x^2 - 2 x + 1)}{(x - 1) (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A215915
Score: 9.23496
Type of gen. func.: lgdegf]

$$-\frac{-2 x^9 + x^8 + 3 x^7 + x^6 - 3 x^4 - x^3 + x + 1}{-3 x^{10} + 2 x^9 + 4 x^8 - x^6 - 4 x^5 + x^3 + x^2 + x - 1}$$

Sequence: A215917
Score: 14.2596
Type of gen. func.: ogf

$$-\frac{3 x (x + 2)}{x^3 - 3 x - 1}$$

Sequence: A215917
Score: 7.35492
Type of gen. func.: ogf

$$-(28 f(x) - 55) (f(x) x^3 - 3 f(x) x + 3 x^2 - f(x) + 6 x)$$

Sequence: A215917
Score: 7.43317

Type of gen. func.: ogf

$$\{-a(n + 3) - 3 a(n + 2) + a(n), a(0) = 0, a(1) = 6, a(2) = -15\}$$

Sequence: A215917
Score: 9.19366
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 6 x^2 - 5}{x^4 + 2 x^3 - 3 x^2 - 7 x - 2}$$

Sequence: A215919
Score: 11.0908
Type of gen. func.: ogf

$$f(x) x^3 - 3 f(x) x + 3 x^2 - f(x) - 3 x$$

Sequence: A215919
Score: 15.1649
Type of gen. func.: ogf

$$-\frac{3 x (x - 1)}{x^3 - 3 x - 1}$$

Sequence: A215919
Score: 7.90512
Type of gen. func.: ogf

$$\{-a(n + 3) - 3 a(n + 2) + a(n), a(0) = 0, a(1) = -3, a(2) = 12\}$$

Sequence: A215919
Score: 9.77738
Type of gen. func.: lgdogf

$$-\frac{-2 x^3 + 3 x^2 - 4}{-x^4 + x^3 + 3 x^2 - 2 x - 1}$$

Sequence: A215928
Score: 11.1294
Type of gen. func.: ogf

$$-f(x) x^2 - 2 f(x) x + x^2 + f(x) + x - 1$$

Sequence: A215928
Score: 13.1698
Type of gen. func.: lgdogf

$$- \frac{-x^2 - 1}{x^4 + 3 x^3 - 3 x + 1}$$

Sequence: A215928
Score: 14.9092
Type of gen. func.: ogf

$$\frac{x^2 + x - 1}{x^2 + 2 x - 1}$$

Sequence: A215928
Score: 7.74695
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A215931
Score: 15.3908
Type of gen. func.: revogf

$$(-3 x + (4 x^2 + 1)^{1/2}) x$$

Sequence: A215931

Score: 4.05912
Type of gen. func.: ogf

$$\{(-16 n^2 - 64 n - 60) a(n + 1) + (12 n^2 + 66 n + 90) a(n + 2) + (-n^2 - 7 n - 12) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 16\}$$

Sequence: A215936
Score: 13.4052
Type of gen. func.: ogf

$$-\frac{x^2 + 3 x + 1}{x^2 - 2 x - 1}$$

Sequence: A215936
Score: 7.03443
Type of gen. func.: ogf

$$\{a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 1, a(2) = 0\}$$

Sequence: A215936
Score: 7.32449
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^2 - 2 f(x) x + x^2 - f(x) + 3 x + 1)$$

Sequence: A215936
Score: 9.86774
Type of gen. func.: lgdogf

$$-\frac{5 x^2 + 4 x + 1}{x^4 + x^3 - 6 x^2 - 5 x - 1}$$

Sequence: A215945
Score: 4.23679
Type of gen. func.: ogf

$-(23087 f(x) + 4060)$

$(3 f(x) x^3 - 27 f(x) x^2 + 33 f(x) x - 3 x^2 - f(x) - 6 x - 3)$

Sequence: A215945
Score: 4.41481
Type of gen. func.: ogf

$\{a(n + 3) - 33 a(n + 2) + 27 a(n + 1) - 3 a(n), a(0) = -3, a(1) = -105,$

$a(2) = -3387\}$

Sequence: A215945
Score: 6.25431
Type of gen. func.: lgdogf

$$-\frac{-3 x^3 - 9 x^2 + 87 x - 35}{-3 x^4 + 24 x^3 - 6 x^2 - 32 x + 1}$$

Sequence: A215945
Score: 8.33908
Type of gen. func.: ogf

$$\frac{3 (x + 1)^2}{3 x^3 - 27 x^2 + 33 x - 1}$$

Sequence: A215948
Score: 10.3303
Type of gen. func.: ogf

$$-\frac{3 (9 x^2 - 22 x + 1)}{3 x^3 - 27 x^2 + 33 x - 1}$$

Sequence: A215948
Score: 5.5956
Type of gen. func.: ogf

$(2965 f(x) + 498)$

$$(3 f(x) x^3 - 27 f(x) x^2 + 33 f(x) x + 27 x^2 - f(x) - 66 x + 3)$$

Sequence: A215948
Score: 5.69043
Type of gen. func.: ogf

$$\{-a(n + 3) + 33 a(n + 2) - 27 a(n + 1) + 3 a(n), a(0) = 3, a(1) = 33, a(2) = 1035\}$$

Sequence: A215948
Score: 6.04929
Type of gen. func.: lgdogf

$$- \frac{-27 x^4 + 132 x^3 - 306 x^2 + 36 x - 11}{-27 x^5 + 309 x^4 - 894 x^3 + 762 x^2 - 55 x + 1}$$

Sequence: A215960
Score: 4.60625
Type of gen. func.: ogf

$$- \frac{2 (x^6 + 1086 x^5 + 30339 x^4 + 129844 x^3 + 129879 x^2 + 30318 x + 1093)}{(x - 1)^7}$$

Sequence: A215973
Score: 8.67099
Type of gen. func.: ogf

$$f(x)^2 x^2 - f(x)^2 x - 2 f(x) x + f(x) + x - 1$$

Sequence: A215973
Score: 8.77936
Type of gen. func.: revogf

$$-\frac{x^2}{2} + x + 1/2 - \frac{(x^4 - 4 x^3 + 6 x^2 + 1)^{1/2}}{2}$$

Sequence: A216034
Score: 5.77827
Type of gen. func.: ogf

$$-\frac{x^8 + 3 x^7 + 11 x^6 + 26 x^5 - 10 x^4 + 70 x^3 - 11 x^2 - x - 1}{x^9 - 33 x^6 - 105 x^3 + 1}$$

Sequence: A216046
Score: 14.1493
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^2 + 2}{x^4 + x^2 + 1}$$

Sequence: A216073
Score: 12.1676
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 6 x + 1)}{x^4 - 10 x^2 + 1}$$

Sequence: A216073
Score: 7.23479
Type of gen. func.: ogf

$$-(2970 f(x) + 857) (f(x) x^4 - 10 f(x) x^2 - x^3 - 7 x^2 + f(x) - 7 x - 1)$$

Sequence: A216099
Score: 5.65794
Type of gen. func.: ogf

$\{-a(n + 4) + 10 a(n + 3), a(0) = 4, a(1) = 20, a(2) = 100, a(3) = 500\}$

Sequence: A216099
Score: 6.20548
Type of gen. func.: lgdogf

$$-\frac{2500 x^{3} - 125 x^{2} - 50 x + 5}{-1250 x^{4} - 125 x^{3} - 25 x^{2} + 15 x - 1}$$

Sequence: A216099
Score: 6.48438
Type of gen. func.: ogf

$$(f(x) - 4) (-500 x^{3} + 10 f(x) x - 100 x^{2} - f(x) - 20 x + 4)$$

Sequence: A216099
Score: 9.78153
Type of gen. func.: ogf

$$\frac{4 (125 x^{3} + 25 x^{2} + 5 x - 1)}{10 x - 1}$$

Sequence: A216100
Score: 5.12847
Type of gen. func.: ogf

$$-\frac{91 x^{9} + 81 x^{8} + 71 x^{7} + 61 x^{6} + 51 x^{5} + 41 x^{4} + 31 x^{3} + 21 x^{2} + 11 x + 1}{(x - 1) (x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A216106
Score: 4.52727
Type of gen. func.: ogf

$(5000265 f(x) + 1517231942)$

$$(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 4 f(x) x + 64 x^{2} + f(x) - 268 x - 96)$$

Sequence: A216106
Score: 9.17858
Type of gen. func.: lgdogf

$$-\frac{-32 x^2 + 169 x + 163}{-16 x^3 + 83 x^2 - 43 x - 24}$$

Sequence: A216106
Score: 9.17858
Type of gen. func.: ogf

$$-\frac{4 (16 x^2 - 67 x - 24)}{(x - 1)^4}$$

Sequence: A216107
Score: 8.19868
Type of gen. func.: lgdogf

$$-\frac{-68 x^3 + 111 x^2 - 738 x - 430}{-34 x^4 + 105 x^3 - 291 x^2 + 178 x + 42}$$

Sequence: A216107
Score: 8.19868
Type of gen. func.: ogf

$$-\frac{4 (34 x^3 - 71 x^2 + 220 x + 42)}{(x - 1)^5}$$

Sequence: A216108
Score: 4.45337
Type of gen. func.: ogf

$(848 f(x) + 150597)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + 45 x^2 + f(x) - 90 x - 27)$$

Sequence: A216108
Score: 8.59747
Type of gen. func.: ogf

$$-\frac{9 (5 x^2 - 10 x - 3)}{(x - 1)^4}$$

Sequence: A216108
Score: 9.10321
Type of gen. func.: lgdogf

$$-\frac{-10 x^2 + 20 x + 22}{-5 x^3 + 15 x^2 - 7 x - 3}$$

Sequence: A216109
Score: 7.48987
Type of gen. func.: lgdogf

$$-\frac{-66 x^3 + 165 x^2 - 180 x - 159}{-33 x^4 + 121 x^3 - 177 x^2 + 75 x + 14}$$

Sequence: A216109
Score: 7.57041
Type of gen. func.: ogf

$$-\frac{3 (33 x^3 - 88 x^2 + 89 x + 14)}{(x - 1)^5}$$

Sequence: A216110
Score: 4.46256
Type of gen. func.: ogf

$$(47616 f(x) + 3923645)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + 9 x^2 + f(x) - 90 x - 27)$$

Sequence: A216110
Score: 8.86228
Type of gen. func.: ogf

$$- \frac{9 (x^2 - 10 x - 3)}{(x - 1)^4}$$

Sequence: A216110
Score: 9.39137
Type of gen. func.: lgdogf

$$- \frac{-2 x^2 + 28 x + 22}{-x^3 + 11 x^2 - 7 x - 3}$$

Sequence: A216111
Score: 7.94846
Type of gen. func.: ogf

$$- \frac{3 (9 x^3 - 4 x^2 + 89 x + 14)}{(x - 1)^5}$$

Sequence: A216111
Score: 8.12509
Type of gen. func.: lgdogf

$$- \frac{-18 x^3 - 15 x^2 - 348 x - 159}{-9 x^4 + 13 x^3 - 93 x^2 + 75 x + 14}$$

Sequence: A216112
Score: 4.58422
Type of gen. func.: ogf

$$(976 f(x) + 70281)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 27 x^2 + f(x) - 90 x - 27)$$

Sequence: A216112
Score: 8.78643
Type of gen. func.: ogf

$$\frac{9 (x + 3) (3 x + 1)}{(x - 1)^4}$$

Sequence: A216112
Score: 9.58520
Type of gen. func.: lgdogf

$$- \frac{6 x^2 + 36 x + 22}{3 x^3 + 7 x^2 - 7 x - 3}$$

Sequence: A216113
Score: 8.13330
Type of gen. func.: ogf

$$\frac{3 (3 x^3 - 92 x^2 - 89 x - 14)}{(x - 1)^5}$$

Sequence: A216113
Score: 8.40746
Type of gen. func.: lgdogf

$$- \frac{-6 x^3 + 267 x^2 + 540 x + 159}{-3 x^4 + 95 x^3 - 3 x^2 - 75 x - 14}$$

Sequence: A216114
Score: 10.8038
Type of gen. func.: lgdogf

$$-\frac{-14 x^2 + 28 x + 34}{-7 x^3 + 21 x^2 - 9 x - 5}$$

Sequence: A216114
Score: 3.46537
Type of gen. func.: ogf

$$\{(-5 n - 20) a(n + 4) + (7 - 9 n) a(n + 3) + (70 + 21 n) a(n + 2)$$
$$+ (-21 - 7 n) a(n + 1), a(0) = 500, a(1) = 3400, a(2) = 9900, a(3) = 21200$$
$$\}$$

Sequence: A216114
Score: 5.1018
Type of gen. func.: ogf

$$(474 f(x) + 1338415)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + 700 x^2 + f(x) - 1400 x - 500)$$

Sequence: A216114
Score: 9.66657
Type of gen. func.: ogf

$$-\frac{100 (7 x^2 - 14 x - 5)}{(x - 1)^4}$$

Sequence: A216115
Score: 8.58889
Type of gen. func.: ogf

$$-\frac{20 (98 x^3 - 265 x^2 + 296 x + 51)}{(x - 1)^5}$$

Sequence: A216115
Score: 8.85729
Type of gen. func.: lgdogf

$$-\frac{-196 x^{3} + 501 x^{2} - 654 x - 551}{-98 x^{4} + 363 x^{3} - 561 x^{2} + 245 x + 51}$$

Sequence: A216119
Score: 15.0767
Type of gen. func.: lgdegf]

$$-\frac{-3 x + 15}{-x^{2} + 5 x - 4}$$

Sequence: A216119
Score: 5.68276
Type of gen. func.: egf]

$$-f(x) (12 f(x) x^{4} - 48 f(x) x^{3} + x^{4} + 72 f(x) x^{2} - 4 x^{3} - 48 f(x) x + 12 f(x))$$

Sequence: A216119
Score: 6.10545
Type of gen. func.: ogf

$$\{(-2 + n) a(n + 1) + (-n^{2} - 2 n) a(n), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 2\}$$

Sequence: A216119
Score: 9.98323
Type of gen. func.: egf]

$$-\frac{x^{3} (x - 4)}{12 (x - 1)^{4}}$$

Sequence: A216122
Score: 5.63741
Type of gen. func.: ogf

$$-\frac{6\,(2112\,x^4+10912\,x^3-126044\,x^2+14464\,x+15783)}{(x-1)\,(4\,x-1)^2\,(2\,x-1)^2}$$

Sequence: A216123
Score: 3.77248
Type of gen. func.: ogf

$$-3\,(81408\,x^6+1294464\,x^5+4778592\,x^4+5101816\,x^3-6182940\,x^2+879018\,x+219113)\,/\,((x-1)\,(4\,x-1)^3\,(2\,x-1)^3)$$

Sequence: A216125
Score: 11.2585
Type of gen. func.: ogf

$$-f(x)\,(600\,x^4+f(x)\,x^2+120\,x^3+24\,x^2-f(x)+5\,x+1)$$

Sequence: A216125
Score: 14.7969
Type of gen. func.: ogf

$$-\frac{600\,x^4+120\,x^3+24\,x^2+5\,x+1}{(x-1)\,(x+1)}$$

Sequence: A216125
Score: 9.16619
Type of gen. func.: ogf

$$\{-a(n+5)+a(n+3),\ a(0)=1,\ a(1)=5,\ a(2)=25,\ a(3)=125,\ a(4)=625\}$$

Sequence: A216126

Score: 8.70512
Type of gen. func.: ogf

$$-\frac{5\,(1600\,x^6+1120\,x^5+624\,x^4+125\,x^3+25\,x^2+5\,x+1)}{(x-1)\,(x+1)\,(x^2+1)}$$

Sequence: A216134
Score: 8.60427
Type of gen. func.: ogf

$$\frac{x\,(x^3+x^2-3\,x-1)}{(x-1)\,(x^2+2\,x-1)\,(x^2-2\,x-1)}$$

Sequence: A216156
Score: 11.6217
Type of gen. func.: ogf

$$-10\,f(x)\,x+f(x)+50\,x-10$$

Sequence: A216156
Score: 13.9460
Type of gen. func.: ogf

$$\frac{10\,(5\,x-1)}{10\,x-1}$$

Sequence: A216156
Score: 14.6800
Type of gen. func.: lgdogf

$$-\frac{5}{-50\,x^2+15\,x-1}$$

Sequence: A216156
Score: 7.43788
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1), a(0) = 10, a(1) = 50\}$$

Sequence: A216162
Score: 6.37777
Type of gen. func.: ogf

$$\frac{x^9 - 2 x^8 + x^7 - 2 x^6 - 3 x^5 + 5 x^4 - x^3 - 1}{(x - 1) (x + 1) (x^4 + 2 x^2 - 1) (x^4 - 2 x^2 - 1)}$$

Sequence: A216164
Score: 5.20311
Type of gen. func.: ogf

$$\{-a(n + 5) + 10 a(n + 4), a(0) = 4, a(1) = 4, a(2) = 20, a(3) = 100, a(4) = 500$$

$$\}$$

Sequence: A216164
Score: 6.0526
Type of gen. func.: ogf

$$(f(x) - 4) (-500 x^4 - 100 x^3 + 10 f(x) x - 20 x^2 - f(x) - 36 x + 4)$$

Sequence: A216164
Score: 8.72287
Type of gen. func.: ogf

$$\frac{4 (125 x^4 + 25 x^3 + 5 x^2 + 9 x - 1)}{10 x - 1}$$

Sequence: A216172
Score: 11.2635
Type of gen. func.: ogf

$$- \frac{x^2}{(x^2 + x + 1) (x - 1)^5}$$

Sequence: A216172
Score: 15.8123
Type of gen. func.: lgdogf

$$-\frac{-7x^2-4x-4}{-x^3+1}$$

Sequence: A216172
Score: 32.6954
Type of gen. func.: ogf_with_Euler_transform]

$$[x^2+4]$$

Sequence: A216172
Score: 5.07555
Type of gen. func.: ogf

$$\{(-n-6)\,a(n+1)-4\,a(n+2)-4\,a(n+3)+(n+2)\,a(n+4),\ a(0)=0,\ a(1)=0,\ a(2)=1,\ a(3)=4\}$$

Sequence: A216173
Score: 8.13272
Type of gen. func.: lgdogf

$$-\frac{-10x^4-14x^3-19x^2-12x-5}{-2x^5-x^4-x^3+2x^2+x+1}$$

Sequence: A216173
Score: 8.74486
Type of gen. func.: ogf

$$-\frac{2x^2+x+1}{(x^2+x+1)(x-1)^5}$$

Sequence: A216175
Score: 7.99866
Type of gen. func.: ogf

$$-\frac{3x^3+4x^2+3x+1}{(x+1)(x^2+x+1)(x-1)^5}$$

Sequence: A216178
Score: 12.7884
Type of gen. func.: ogf

$$\frac{3x^3-x-4}{(x-1)(x+1)(x^2+1)}$$

Sequence: A216178
Score: 7.64183
Type of gen. func.: ogf

$$-(23 f(x) - 101) (f(x) x^4 - 3 x^3 - f(x) + x + 4)$$

Sequence: A216179
Score: 13.8809
Type of gen. func.: ogf

$$-\frac{40x-13}{(10x-1)(x-1)}$$

Sequence: A216179
Score: 7.01201
Type of gen. func.: ogf

$$-(873 f(x) - 740) (10 f(x) x^2 - 11 f(x) x + f(x) + 40 x - 13)$$

Sequence: A216179
Score: 7.81800
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 13, a(1) = 103\}$$

Sequence: A216179
Score: 8.83332
Type of gen. func.: lgdogf

$$-\frac{-400 x^{2} + 260 x - 103}{-400 x^{3} + 570 x^{2} - 183 x + 13}$$

Sequence: A216212
Score: 11.0070
Type of gen. func.: ogf

$$\frac{(x^{2} - x - 1)^{2}}{5 x^{4} - 5 x^{2} + 1}$$

Sequence: A216212
Score: 7.1107
Type of gen. func.: ogf

$$-(f(x) - 1) (5 f(x) x^{4} - x^{4} - 5 f(x) x^{2} + 2 x^{3} + x^{2} + f(x) - 2 x - 1)$$

Sequence: A216212
Score: 8.11625
Type of gen. func.: lgdogf

$$-\frac{-10 x^{4} - 10 x^{3} + 6 x + 2}{5 x^{6} - 5 x^{5} - 10 x^{4} + 5 x^{3} + 6 x^{2} - x - 1}$$

Sequence: A216239
Score: 16.7063
Type of gen. func.: lgdegf]

$$-\frac{-2 x^3 + 2 x^2 - 5 x - 4}{-2 x^3 + 4 x^2 - 5 x + 3}$$

Sequence: A216239
Score: 9.83122
Type of gen. func.: lgdegf]

$$-\frac{-2 x^3 + 2 x^2 - 5 x - 4}{-2 x^3 + 4 x^2 - 5 x + 3}$$

Sequence: A216243
Score: 10.5899
Type of gen. func.: ogf

$$\frac{x^2 + 7 x - 4}{(x^2 - 3 x + 1) (x - 1) (x + 1)}$$

Sequence: A216243
Score: 6.52587
Type of gen. func.: ogf

$$-(20350 f(x) + 21051) (f(x) x^4 - 3 f(x) x^3 + 3 f(x) x - x^2 - f(x) - 7 x + 4)$$

Sequence: A216257
Score: 10.1446
Type of gen. func.: ogf

$$-\frac{110801 x^2 - 195982 x + 86861}{(x - 1)^3}$$

Sequence: A216257
Score: 5.4346

Type of gen. func.: ogf

$(627113 f(x) + 79443600755)$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 110801 x^2 - f(x) - 195982 x + 86861)$$

Sequence: A216257
Score: 6.13585
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 86861, a(1) = 64601,$

$a(2) = 44021\}$

Sequence: A216257
Score: 7.84376
Type of gen. func.: lgdogf

$$-\frac{-110801 x^2 + 170362 x - 64601}{-110801 x^3 + 306783 x^2 - 282843 x + 86861}$$

Sequence: A216261
Score: 5.12725
Type of gen. func.: ogf

$$(28 x^{16} - 28 x^{15} - 60 x^{12} + 60 x^{11} + 28 x^{10} + 28 x^9 - 56 x^8 - 2 x^7 + 2 x^6$$

$$+ 8 x^5 - 2 x^4 - 2 x^3 - 3 x^2 + 6 x + 1) / ((x - 1) (10 x^7 - 1))$$

Sequence: A216263
Score: 12.8791
Type of gen. func.: lgdogf

$$-\frac{6 x^2 - 18 x + 6}{2 x^3 - 9 x^2 + 6 x - 1}$$

Sequence: A216263
Score: 22.6255
Type of gen. func.: ogf

$$-\frac{1}{(2x-1)(x^2-4x+1)}$$

Sequence: A216263
Score: 7.40835
Type of gen. func.: ogf

$$\{a(n+3)-6a(n+2)+9a(n+1)-2a(n),\ a(0)=1,\ a(1)=6,\ a(2)=27\}$$

Sequence: A216263
Score: 8.04945
Type of gen. func.: ogf

$$(9607 f(x)-292)(2 f(x) x^3-9 f(x) x^2+6 f(x) x-f(x)+1)$$

Sequence: A216271
Score: 15.5464
Type of gen. func.: ogf

$$\frac{x-1}{(2x-1)(x^2-4x+1)}$$

Sequence: A216271
Score: 7.29168
Type of gen. func.: ogf

$$\{-a(n+3)+6a(n+2)-9a(n+1)+2a(n),\ a(0)=1,\ a(1)=5,\ a(2)=21\}$$

Sequence: A216271
Score: 7.49054
Type of gen. func.: ogf

$$-(965 f(x)+36)(2 f(x) x^3-9 f(x) x^2+6 f(x) x-f(x)-x+1)$$

Sequence: A216271
Score: 9.80905
Type of gen. func.: lgdogf

$$-\frac{-4x^3+15x^2-18x+5}{-2x^4+11x^3-15x^2+7x-1}$$

Sequence: A216314
Score: 14.2069
Type of gen. func.: revogf

$$-\frac{-2x^3-2x^2+x}{-x-1}$$

Sequence: A216314
Score: 9.59427
Type of gen. func.: ogf

$$2x^2 f(x)^3+2f(x)^2 x+f(x)x-f(x)+1$$

Sequence: A216316
Score: 15.8081
Type of gen. func.: lgdogf

$$-\frac{-8x-2}{-8x^2-7x+1}$$

Sequence: A216316
Score: 31.0936
Type of gen. func.: lgdogf

$$-\frac{-8x-2}{-8x^2-7x+1}$$

Sequence: A216316
Score: 4.95941
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-16 - 7 n) a(n + 2) + (-16 - 8 n) a(n + 1), a(0) = 1,

a(1) = 2, a(2) = 13}

Sequence: A216316
Score: 9.25353
Type of gen. func.: ogf

$$-8 f(x)^3 x^3 - 15 x^2 f(x)^3 - 6 f(x)^3 x + f(x)^3 - 1$$

Sequence: A216317
Score: 15.1549
Type of gen. func.: lgdogf

$$-\frac{-4 x - 1}{-8 x^2 - 7 x + 1}$$

Sequence: A216317
Score: 29.7872
Type of gen. func.: lgdogf

$$-\frac{-4 x - 1}{-8 x^2 - 7 x + 1}$$

Sequence: A216317
Score: 4.78575
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-15 - 7 n) a(n + 2) + (-12 - 8 n) a(n + 1), a(0) = 1,

a(1) = 1, a(2) = 6}

Sequence: A216318
Score: 3.81717
Type of gen. func.: ogf

$$\{(-32 n^3 - 24 n^2 - 4 n) a(n + 1) + (-164 n^3 - 1116 n^2 - 2380 n - 1440) a(n + 2) + (43 n^3 + 303 n^2 + 614 n + 360) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A216318
Score: 5.93473
Type of gen. func.: ogf

$$4 f(x)^2 x^2 - 4 f(x) x^3 + x^4 - f(x)^2 x - 3 f(x) x^2 + 2 x^3 + 5 f(x) x - 3 x^2 - f(x) + x$$

Sequence: A216357
Score: 13.9801
Type of gen. func.: lgdogf

$$- \frac{-48 x - 2}{-64 x^2 - 12 x + 1}$$

Sequence: A216357
Score: 25.9630
Type of gen. func.: lgdogf

$$- \frac{-48 x - 2}{-64 x^2 - 12 x + 1}$$

Sequence: A216357
Score: 4.57041
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-26 - 12 n) a(n + 2) + (-112 - 64 n) a(n + 1), a(0) = 1, a(1) = 2, a(2) = 38\}$$

Sequence: A216358
Score: 15.6618
Type of gen. func.: lgdogf

$$- \frac{-32 x^{2} + 212 x + 2}{-32 x^{3} + 353 x^{2} + 21 x - 1}$$

Sequence: A216358
Score: 3.27760
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (65 + 21 n) a(n + 3) + (918 + 353 n) a(n + 2)$$

$$+ (-64 - 32 n) a(n + 1), a(0) = 1, a(1) = 2, a(2) = 129, a(3) = 2258\}$$

Sequence: A216358
Score: 9.64814
Type of gen. func.: lgdogf

$$- \frac{-32 x^{2} + 212 x + 2}{-32 x^{3} + 353 x^{2} + 21 x - 1}$$

Sequence: A216359
Score: 10.7453
Type of gen. func.: ogf

$$-f(x)^{3} x - f(x)^{2} x^{2} + f(x)^{2} - f(x) - x$$

Sequence: A216406
Score: 13.5906
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-4 x^{2} - 6 x - 4}{-x^{4} + 2 x^{2} - 1}$$

Sequence: A216414
Score: 8.24083
Type of gen. func.: ogf

3 2

$$\frac{x (x + 4 x + 6 x + 5)}{(x - 1) (x + 1)^4}$$

Sequence: A216434
Score: 10.1019
Type of gen. func.: ogf

$$f(x)^2 x^4 - 2 f(x)^2 x^3 - 2 f(x) x + f(x) - 1$$

Sequence: A216441
Score: 5.46009
Type of gen. func.: ogf

{(n + 3) a(n) + (n + 3) a(n + 1) - a(n + 2), a(0) = 0, a(1) = 0, a(2) = 6,

a(3) = 32}

Sequence: A216447
Score: 13.1834
Type of gen. func.: revogf

$$- \frac{-x^4 - x^2 + x}{x^4 - 1}$$

Sequence: A216450
Score: 10.2235
Type of gen. func.: ogf

$$- \frac{3 x^2 + 20 x + 3}{x^3 - 3 x^2 - 10 x - 1}$$

Sequence: A216450
Score: 5.23644
Type of gen. func.: ogf

$$-(1525 f(x) - 2829) (f(x) x^3 - 3 f(x) x^2 - 10 f(x) x + 3 x^2 - f(x) + 20 x + 3)$$

Sequence: A216450
Score: 5.60071
Type of gen. func.: ogf

$$\{a(n + 3) + 10 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3, a(1) = -10, a(2) = 94\}$$

Sequence: A216450
Score: 6.13411
Type of gen. func.: lgdogf

$$- \frac{-3 x^4 - 40 x^3 + 21 x^2 + 12 x + 10}{-3 x^5 - 11 x^4 + 87 x^3 + 212 x^2 + 50 x + 3}$$

Sequence: A216454
Score: 9.73198
Type of gen. func.: ogf

$$-f(x)^2 x^4 + 3 f(x)^2 x^3 + 3 f(x) x - f(x) + 1$$

Sequence: A216466
Score: 6.37283
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 1) + a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 3, a(4) = 8\}$$

Sequence: A216486
Score: 7.19813
Type of gen. func.: ogf

$$- \frac{x (x^4 + 2 x^3 - 2 x^2 + 1)}{x^6 - 3 x^5 - 6 x^4 + 4 x^3 + 5 x^2 - x - 1}$$

Sequence: A216491
Score: 14.1393
Type of gen. func.: ogf

$$\{a(n + 1) - 5 a(n), a(0) = 12\}$$

Sequence: A216491
Score: 17.8425
Type of gen. func.: ogf

$$-5 f(x) x + f(x) - 12$$

Sequence: A216491
Score: 26.7636
Type of gen. func.: lgdogf

$$\frac{5}{-5 x + 1}$$

Sequence: A216491
Score: 28.8224
Type of gen. func.: ogf

$$- \frac{12}{5 x - 1}$$

Sequence: A216508
Score: 6.77625
Type of gen. func.: ogf

$$- \frac{91 x^5 - 364 x^4 + 468 x^3 - 260 x^2 + 65 x - 6}{13 x^6 - 91 x^5 + 182 x^4 - 156 x^3 + 65 x^2 - 13 x + 1}$$

Sequence: A216540
Score: 6.56524
Type of gen. func.: ogf

$$x^2 (3 x - 1) (2 x - 1)$$
$$- \text{---}$$

$$13 x^6 - 91 x^5 + 182 x^4 - 156 x^3 + 65 x^2 - 13 x + 1$$

Sequence: A216541
Score: 4.00787
Type of gen. func.: ogf

$$\{(16 n^2 + 64 n + 60) a(n + 1) + (4 n^2 + 22 n + 30) a(n + 2)$$
$$+ (-n^2 - 7 n - 12) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 8\}$$

Sequence: A216541
Score: 9.49233
Type of gen. func.: revogf

$$\left(- x/5 + 1/5 - \frac{(-4 x^2 + 8 x + 1)^{1/2}}{5}\right) (x - 1)$$

Sequence: A216584
Score: 3.93111
Type of gen. func.: ogf

$$\{(-48 n^2 - 192 n - 180) a(n + 1) + (-8 n^2 - 40 n - 50) a(n + 2)$$
$$+ (n^2 + 6 n + 9) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 18\}$$

Sequence: A216589
Score: 12.6521
Type of gen. func.: ogf

$$- \frac{x (9 x^{19} - 9 x^{10} + 10 x - 11)}{(x - 1)^2}$$

Sequence: A216597
Score: 6.26341
Type of gen. func.: ogf

$$-\frac{x\,(13\,x^{4}-26\,x^{3}+22\,x^{2}-8\,x+1)}{13\,x^{6}-91\,x^{5}+182\,x^{4}-156\,x^{3}+65\,x^{2}-13\,x+1}$$

Sequence: A216604
Score: 10.9431
Type of gen. func.: ogf

$$f(x)^{2}\,x^{4}-f(x)^{2}\,x^{3}-f(x)\,x+f(x)-1$$

Sequence: A216605
Score: 6.43108
Type of gen. func.: ogf

$$-\frac{3\,x^{5}+12\,x^{4}-12\,x^{3}-20\,x^{2}+5\,x+6}{x^{6}-3\,x^{5}-6\,x^{4}+4\,x^{3}+5\,x^{2}-x-1}$$

Sequence: A216606
Score: 10.8378
Type of gen. func.: ogf

$$-\frac{2\,x^{4}+3\,x^{3}+3\,x^{2}-4\,x+5}{(x-1)\,(x+1)\,(x^{2}-x+1)}$$

Sequence: A216606
Score: 6.1361
Type of gen. func.: ogf

$-(167\,f(x)-2054)$

$$(f(x)\,x^{4}-f(x)\,x^{3}+2\,x^{4}+3\,x^{3}+f(x)\,x+3\,x^{2}-f(x)-4\,x+5)$$

Sequence: A216616
Score: 6.92875
Type of gen. func.: ogf

$$f(x)^3 x^4 - f(x)^3 x^3 - f(x)^2 x^2 + f(x) x^2 - f(x) x + f(x) - 1$$

Sequence: A216617
Score: 7.00278
Type of gen. func.: ogf

$$f(x)^3 x^4 - f(x)^3 x^3 + f(x)^2 x^2 - f(x)^2 x - f(x) x^2 + f(x) - 1$$

Sequence: A216633
Score: 4.26233
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^2$$

Sequence: A216643
Score: 4.12702
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^2$$

Sequence: A216666
Score: 2.31049
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^2$$

Sequence: A216676
Score: 7.52825
Type of gen. func.: ogf

$$- \frac{9 x^7 + x^6 - 8 x^5 + 3 x^4 + 8 x^3 + 3 x^2 + x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^4 - x^2 + 1)}$$

Sequence: A216688

Score: 15.4013
Type of gen. func.: lgdegf]

$$2 \exp(x^2) x^2 + \exp(x^2)$$

Sequence: A216688
Score: 34.2677
Type of gen. func.: lgdegf]

$$2 \exp(x^2) x^2 + \exp(x^2)$$

Sequence: A216689
Score: 16.0392
Type of gen. func.: lgdegf]

$$2 \exp(2 x) x + \exp(2 x)$$

Sequence: A216689
Score: 39.1190
Type of gen. func.: lgdegf]

$$2 \exp(2 x) x + \exp(2 x)$$

Sequence: A216699
Score: 8.45161
Type of gen. func.: ogf

$$- \frac{x (9 x^7 + x^6 + 8 x^5 + 8 x^4 + 9 x^3 + 8 x^2 + x + 1)}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A216702
Score: 22.8685
Type of gen. func.: lgdogf

$$\frac{12}{-16 x + 1}$$

Sequence: A216702
Score: 56.1897
Type of gen. func.: lgdogf

$$\frac{12}{-16 x + 1}$$

Sequence: A216702
Score: 6.41173
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (28 + 16 n) a(n + 1), a(0) = 1, a(1) = 12\}$$

Sequence: A216703
Score: 21.0717
Type of gen. func.: lgdogf

$$\frac{42}{-49 x + 1}$$

Sequence: A216703
Score: 5.90795
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (91 + 49 n) a(n + 1), a(0) = 1, a(1) = 42\}$$

Sequence: A216703
Score: 51.7550
Type of gen. func.: lgdogf

$$\frac{42}{-49 x + 1}$$

Sequence: A216704
Score: 22.3656
Type of gen. func.: lgdogf

$$\frac{56}{-64 x + 1}$$

Sequence: A216704
Score: 54.9897
Type of gen. func.: lgdogf

$$\frac{56}{-64 x + 1}$$

Sequence: A216704
Score: 6.21266
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (120 + 64 n) a(n + 1), a(0) = 1, a(1) = 56\}$$

Sequence: A216705
Score: 20.2201
Type of gen. func.: lgdogf

$$\frac{72}{-81 x + 1}$$

Sequence: A216705
Score: 49.6476
Type of gen. func.: lgdogf

$$\frac{72}{-81 x + 1}$$

Sequence: A216705
Score: 5.61669
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (153 + 81 n) a(n + 1), a(0) = 1, a(1) = 72\}$$

Sequence: A216706
Score: 20.0046
Type of gen. func.: lgdogf

$$\frac{90}{-100 x + 1}$$

Sequence: A216706
Score: 46.8701
Type of gen. func.: lgdogf

$$\frac{90}{-100 x + 1}$$

Sequence: A216706
Score: 5.68939
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (190 + 100 n) a(n + 1), a(0) = 1, a(1) = 90\}$$

Sequence: A216710
Score: 7.49027
Type of gen. func.: ogf

$$-\frac{(x^2 - 3 x + 1)^2}{x^5 - 15 x^4 + 35 x^3 - 28 x^2 + 9 x - 1}$$

Sequence: A216711
Score: 12.5464
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{16 x^3 - 8 x^2 + 24 x - 8}{-x^4 + 1}$$

Sequence: A216714
Score: 10.8841
Type of gen. func.: lgdogf

$$-\frac{4 x^5 - 5 x^4 - 10 x^3 + 3}{}$$

6 5 4 3 2

$$2 x - x - 4 x - 2 x + 4 x + x - 1$$

Sequence: A216714
Score: 15.0588
Type of gen. func.: ogf

$$-\frac{x (x^2 - x - 1)}{(2 x - 1) (x^3 + x^2 - 1)}$$

Sequence: A216714
Score: 7.96584
Type of gen. func.: ogf

$$-(13 f(x) + 5) (2 f(x) x^4 + f(x) x^3 - f(x) x^2 + x^3 - 2 f(x) x - x^2 + f(x) - x)$$

Sequence: A216754
Score: 8.00078
Type of gen. func.: ogf

$$- x (9 x^{11} + x^{10} + x^9 + 7 x^8 + 9 x^7 + 4 x^6 + x^5 + 4 x^4 + 9 x^3 + 7 x^2 + x + 1) / ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x^4 - x^2 + 1))$$

Sequence: A216755
Score: 5.84281
Type of gen. func.: ogf

$$- (9 x^{15} + x^{14} + 8 x^{13} + 5 x^{12} + x^{10} - 7 x^9 + 2 x^8 + 2 x^6 + 7 x^5 + x^4 + 9 x^3 + 5 x^2 + x + 1) / ((x - 1) (x + 1) (x^2 + 1) (x^4 + 1) (x^8 - x^4 + 1))$$

Sequence: A216757
Score: 12.3108
Type of gen. func.: ogf

$$3 x (x - 1)$$

$$- \frac{}{3 x^3 - 9 x^2 + 6 x - 1}$$

Sequence: A216757
Score: 6.26532
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 9 a(n + 1) + 3 a(n), a(0) = 0, a(1) = -3, a(2) = -15\}$$

Sequence: A216757
Score: 6.49736
Type of gen. func.: ogf

$$(11 f(x) + 8) (3 f(x) x^3 - 9 f(x) x^2 + 6 f(x) x + 3 x^2 - f(x) - 3 x)$$

Sequence: A216757
Score: 8.35376
Type of gen. func.: lgdogf

$$- \frac{-6 x^3 + 18 x^2 - 18 x + 5}{-3 x^4 + 12 x^3 - 15 x^2 + 7 x - 1}$$

Sequence: A216778
Score: 3.21828
Type of gen. func.: ogf

$$\{(n^3 + 3 n^2 + 2 n) a(n) + (n^2 + 3 n + 2) a(n + 1) + (-n^3 - 3 n^2 - n + 2) a(n + 2) + (n^2 - 1) a(n + 3), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 3\}$$

Sequence: A216779
Score: 3.21811
Type of gen. func.: ogf

$$\{(-n^3 - 3 n^2 - 2 n) a(n) + (-n^2 - 3 n - 2) a(n + 1)$$

$+ (n^3 + 3 n^2 + n - 2) a(n + 2) + (-n^2 + 1) a(n + 3), a(0) = 0, a(1) = 0,$

$a(2) = 1, a(3) = 2, a(4) = 6\}$

Sequence: A216786
Score: 20.6489
Type of gen. func.: lgdogf

$$\frac{110}{-121 x + 1}$$

Sequence: A216786
Score: 46.4237
Type of gen. func.: lgdogf

$$\frac{110}{-121 x + 1}$$

Sequence: A216786
Score: 6.00695
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (231 + 121 n) a(n + 1), a(0) = 1, a(1) = 110\}$$

Sequence: A216787
Score: 21.3259
Type of gen. func.: lgdogf

$$\frac{132}{-144 x + 1}$$

Sequence: A216787
Score: 47.9712
Type of gen. func.: lgdogf

$$\frac{132}{-144 x + 1}$$

Sequence: A216787
Score: 6.20390
Type of gen. func.: ogf

$$\{(-n-2)\,a(n+2)+(276+144\,n)\,a(n+1),\ a(0)=1,\ a(1)=132\}$$

Sequence: A216788
Score: 18.6384
Type of gen. func.: lgdogf

$$\frac{156}{-169\,x+1}$$

Sequence: A216788
Score: 41.8480
Type of gen. func.: lgdogf

$$\frac{156}{-169\,x+1}$$

Sequence: A216788
Score: 5.42207
Type of gen. func.: ogf

$$\{(-n-2)\,a(n+2)+(325+169\,n)\,a(n+1),\ a(0)=1,\ a(1)=156\}$$

Sequence: A216796
Score: 5.84341
Type of gen. func.: ogf

$$-\frac{2\,x\,(2\,x-1)\,(2\,x^3-6\,x^2-2\,x+3)}{(x-1)\,(8\,x^5-22\,x^4-15\,x^3+13\,x^2+3\,x-1)}$$

Sequence: A216797
Score: 6.34229
Type of gen. func.: ogf

$$2\,x\,(636\,x^6-536\,x^4+99\,x^2-5)$$

$$1728 x^{8} - 1862 x^{6} + 524 x^{4} - 49 x^{2} + 1$$

Sequence: A216801
Score: 5.16729
Type of gen. func.: ogf

$$-\frac{52 x^{5} - 520 x^{4} + 689 x^{3} - 299 x^{2} + 48 x - 2}{13 x^{6} - 91 x^{5} + 182 x^{4} - 156 x^{3} + 65 x^{2} - 13 x + 1}$$

Sequence: A216844
Score: 11.9102
Type of gen. func.: ogf

$$-\frac{2 (5 x^{3} - 3 x^{2} - x + 1)}{(x + 1) (x - 1)^{3}}$$

Sequence: A216844
Score: 6.72349
Type of gen. func.: ogf

$$-(f(x) - 8) (f(x) x^{4} - 2 f(x) x^{3} + 10 x^{3} + 2 f(x) x - 6 x^{2} - f(x) - 2 x + 2)$$

Sequence: A216844
Score: 8.68450
Type of gen. func.: lgdogf

$$-\frac{-5 x^{4} - 4 x^{3} - 6 x^{2} + 4 x - 1}{-5 x^{5} + 3 x^{4} + 6 x^{3} - 4 x^{2} - x + 1}$$

Sequence: A216852
Score: 11.3335
Type of gen. func.: ogf

3   2

$$-\frac{9 (5 x - 3 x - x + 1)}{(x + 1) (x - 1)^3}$$

Sequence: A216852
Score: 6.59574
Type of gen. func.: ogf

$$(f(x) - 36) (f(x) x^4 - 2 f(x) x^3 + 45 x^3 + 2 f(x) x - 27 x^2 - f(x) - 9 x + 9)$$

Sequence: A216852
Score: 8.38209
Type of gen. func.: lgdogf

$$-\frac{-5 x^4 - 4 x^3 - 6 x^2 + 4 x - 1}{-5 x^5 + 3 x^4 + 6 x^3 - 4 x^2 - x + 1}$$

Sequence: A216853
Score: 11.0605
Type of gen. func.: ogf

$$-\frac{17 x^3 - 11 x^2 + 19 x - 7}{(x + 1) (x - 1)^3}$$

Sequence: A216853
Score: 6.37086
Type of gen. func.: ogf

$$(87 f(x) - 538)$$

$$(f(x) x^4 - 2 f(x) x^3 + 17 x^3 + 2 f(x) x - 11 x^2 - f(x) + 19 x - 7)$$

Sequence: A216853
Score: 7.73162
Type of gen. func.: lgdogf

4 3 2

$$-\frac{-17 x - 12 x - 86 x + 12 x - 5}{-17 x^{5} + 11 x^{4} - 2 x^{3} - 4 x^{2} + 19 x - 7}$$

Sequence: A216861
Score: 5.56838
Type of gen. func.: ogf

$$-\frac{x (26 x^{4} - 84 x^{3} + 57 x^{2} - 17 x + 2)}{13 x^{6} - 91 x^{5} + 182 x^{4} - 156 x^{3} + 65 x^{2} - 13 x + 1}$$

Sequence: A216865
Score: 11.2793
Type of gen. func.: ogf

$$-\frac{8 (5 x^{3} - 3 x^{2} - x + 1)}{(x + 1) (x - 1)^{3}}$$

Sequence: A216865
Score: 6.3558
Type of gen. func.: ogf

$$-(f(x) - 32) (f(x) x^{4} - 2 f(x) x^{3} + 40 x^{3} + 2 f(x) x - 24 x^{2} - f(x) - 8 x + 8)$$

Sequence: A216865
Score: 8.34199
Type of gen. func.: lgdogf

$$-\frac{-5 x^{4} - 4 x^{3} - 6 x^{2} + 4 x - 1}{-5 x^{5} + 3 x^{4} + 6 x^{3} - 4 x^{2} - x + 1}$$

Sequence: A216871
Score: 11.2831
Type of gen. func.: ogf

$$-\frac{4\,(5x^3 - 3x^2 + 3x - 1)}{(x+1)\,(x-1)^3}$$

Sequence: A216871
Score: 5.84447
Type of gen. func.: ogf

$\{(n + 2)\, a(n + 1) - a(n + 3)\, n + 2\, a(n + 2),\ a(0) = -4,\ a(1) = 4,\ a(2) = -4,$

$a(3) = 20\}$

Sequence: A216871
Score: 6.65886
Type of gen. func.: ogf

$$(f(x) - 6)\,(f(x)\, x^4 - 2\, f(x)\, x^3 + 20\, x^3 + 2\, f(x)\, x - 12\, x^2 - f(x) + 12\, x - 4)$$

Sequence: A216871
Score: 8.37507
Type of gen. func.: lgdogf

$$-\frac{5x^4 + 4x^3 + 18x^2 - 4x + 1}{5x^5 - 3x^4 - 2x^3 + 2x^2 - 3x + 1}$$

Sequence: A216875
Score: 11.2867
Type of gen. func.: ogf

$$-\frac{10\,(5x^3 - 3x^2 - x + 1)}{(x+1)\,(x-1)^3}$$

Sequence: A216875
Score: 6.43697
Type of gen. func.: ogf

$-(f(x) - 40)$

$$(f(x)\,x^4 - 2\,f(x)\,x^3 + 50\,x^3 + 2\,f(x)\,x - 30\,x^2 - f(x) - 10\,x + 10)$$

Sequence: A216875
Score: 8.58262
Type of gen. func.: lgdogf

$$-\frac{-5\,x^4 - 4\,x^3 - 6\,x^2 + 4\,x - 1}{-5\,x^5 + 3\,x^4 + 6\,x^3 - 4\,x^2 - x + 1}$$

Sequence: A216876
Score: 11.0605
Type of gen. func.: ogf

$$-\frac{5\,(5\,x^3 - 3\,x^2 + 3\,x - 1)}{(x + 1)\,(x - 1)^3}$$

Sequence: A216876
Score: 5.72919
Type of gen. func.: ogf

$\{(n + 2)\,a(n + 1) - a(n + 3)\,n + 2\,a(n + 2),\ a(0) = -5,\ a(1) = 5,\ a(2) = -5,$

$a(3) = 25\}$

Sequence: A216876
Score: 6.47445
Type of gen. func.: ogf

$(2\,f(x) - 15)$

$$(f(x)\,x^4 - 2\,f(x)\,x^3 + 25\,x^3 + 2\,f(x)\,x - 15\,x^2 - f(x) + 15\,x - 5)$$

Sequence: A216876
Score: 8.20987
Type of gen. func.: lgdogf

4 3 2

$$-\frac{5x + 4x + 18x - 4x + 1}{5x^5 - 3x^4 - 2x^3 + 2x^2 - 3x + 1}$$

Sequence: A216938
Score: 4.67665
Type of gen. func.: ogf

$$-\frac{(x^3 - 4x^2 + 6x - 5)(x^4 - 4x^3 + 6x^2 - 3x + 2)}{(x - 1)^8}$$

Sequence: A216949
Score: 12.3493
Type of gen. func.: ogf

$$-\frac{7x^2 - 6x + 1}{x^3 - 11x^2 + 7x - 1}$$

Sequence: A216949
Score: 6.60045
Type of gen. func.: ogf

$$-(2 f(x) - 1) (f(x) x^3 - 11 f(x) x^2 + 7 f(x) x + 7 x^2 - f(x) - 6 x + 1)$$

Sequence: A216949
Score: 6.77570
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) - 11 a(n + 1) + a(n), a(0) = 1, a(1) = 1, a(2) = 3\}$$

Sequence: A216949
Score: 7.43353
Type of gen. func.: lgdogf

$$-\frac{7x^4 - 12x^3 + 20x^2 - 8x + 1}{{}^{5}\qquad{}^{4}\qquad{}^{3}\qquad{}^{2}}$$

$$7 x - 83 x + 116 x - 60 x + 13 x - 1$$

Sequence: A216972
Score: 8.66287
Type of gen. func.: ogf

$$\frac{x (x^6 - 2 x^5 + 3 x^4 + 4 x^3 + 3 x^2 + 2 x + 1)}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A216985
Score: 13.6693
Type of gen. func.: ogf

$$- \frac{2 x}{x^3 - 9 x^2 + 7 x - 1}$$

Sequence: A216985
Score: 5.49212
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 9 a(n + 1) - a(n), a(0) = 0, a(1) = 2, a(2) = 14\}$$

Sequence: A216985
Score: 5.85826
Type of gen. func.: ogf

$$-(151 f(x) - 9) (f(x) x^3 - 9 f(x) x^2 + 7 f(x) x - f(x) + 2 x)$$

Sequence: A216985
Score: 9.46334
Type of gen. func.: lgdogf

$$- \frac{3 x^2 - 18 x + 7}{x^3 - 9 x^2 + 7 x - 1}$$

Sequence: A216995
Score: 6.24974
Type of gen. func.: ogf

$$-11 \left(100 x^{17} - 108 x^{8} - 9 x^{7} - 9 x^{6} - 9 x^{5} - 9 x^{4} - 9 x^{3} - 9 x^{2} - 9 x - 19\right) \Big/ \left((x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}\right)$$

Sequence: A217022
Score: 5.74856
Type of gen. func.: ogf

$$-\frac{x^{5} - 2 x^{4} - 8 x^{3} + 20 x^{2} - 7 x - 1}{(x^{3} + 3 x^{2} - 1) (x^{3} - 6 x^{2} + 9 x - 1)}$$

Sequence: A217052
Score: 11.8845
Type of gen. func.: ogf

$$\frac{(2 x + 1) (4 x - 1)}{x^{3} + 24 x^{2} + 3 x - 1}$$

Sequence: A217052
Score: 6.03968
Type of gen. func.: ogf

$$-(3771 f(x) - 1229) (f(x) x^{3} + 24 f(x) x^{2} + 3 f(x) x - 8 x^{2} - f(x) - 2 x + 1)$$

Sequence: A217052
Score: 6.46351
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 24 a(n + 1) - a(n), a(0) = 1, a(1) = 1, a(2) = 19\}$$

Sequence: A217052

Score: 7.22392
Type of gen. func.: lgdogf

$$- \frac{8 x^4 + 4 x^3 + 21 x^2 - 32 x - 1}{8 x^5 + 194 x^4 + 71 x^3 - 26 x^2 - 5 x + 1}$$

Sequence: A217053
Score: 11.3670
Type of gen. func.: ogf

$$\frac{(x + 2) (x - 1)}{x^3 + 24 x^2 + 3 x - 1}$$

Sequence: A217053
Score: 5.82444
Type of gen. func.: ogf

$$(518445 f(x) - 19546) (f(x) x^3 + 24 f(x) x^2 + 3 f(x) x - x^2 - f(x) - x + 2)$$

Sequence: A217053
Score: 6.18208
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 24 a(n + 1) - a(n), a(0) = 2, a(1) = 5, a(2) = 62\}$$

Sequence: A217053
Score: 6.97779
Type of gen. func.: lgdogf

$$- \frac{x^4 + 2 x^3 + 15 x^2 - 94 x - 5}{x^5 + 25 x^4 + 25 x^3 - 46 x^2 - 7 x + 2}$$

Sequence: A217067
Score: 19.7234
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^3 + 1}{x - 1}$$

Sequence: A217069
Score: 12.4338
Type of gen. func.: ogf

$$-\frac{x (x + 2)}{x^3 + 24 x^2 + 3 x - 1}$$

Sequence: A217069
Score: 6.21693
Type of gen. func.: ogf

$$(187596 f(x) + 6497) (f(x) x^3 + 24 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 2 x)$$

Sequence: A217069
Score: 6.43896
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 24 a(n + 1) - a(n), a(0) = 0, a(1) = 2, a(2) = 7\}$$

Sequence: A217069
Score: 8.58527
Type of gen. func.: lgdogf

$$-\frac{-2 x^3 - 30 x^2 - 96 x - 7}{-x^4 - 26 x^3 - 51 x^2 - 5 x + 2}$$

Sequence: A217093
Score: 13.2145
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^2 + 3 x - 3}{-x^3 + 3 x^2 - 3 x + 1}$$

Sequence: A217094
Score: 10.5215
Type of gen. func.: ogf

$$-\frac{189 x^{2} - 38 x + 2}{(x - 1) (9 x - 1) (10 x - 1)}$$

Sequence: A217094
Score: 5.63357
Type of gen. func.: ogf

$$-(899 f(x) - 1819)$$

$$(90 f(x) x^{3} - 109 f(x) x^{2} + 20 f(x) x + 189 x^{2} - f(x) - 38 x + 2)$$

Sequence: A217094
Score: 6.11506
Type of gen. func.: ogf

$$\{-a(n + 3) + 20 a(n + 2) - 109 a(n + 1) + 90 a(n), a(0) = 2, a(1) = 2,$$

$$a(2) = 11\}$$

Sequence: A217096
Score: 11.8615
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{10} + x^{9}}{x^{91} + x - 1}$$

Sequence: A217096
Score: 4.87758
Type of gen. func.: ogf

$$\frac{x^{91} + x^{81} + 2 x^{11} - x^{10} - x^{9} + x - 1}{x^{81} - 2 x^{21} + x^{20} + x^{19} + x^{11} - x^{9} + x - 1}$$

Sequence: A217100
Score: 4.36784
Type of gen. func.: ogf

$$-(14 x^{15} - 7 x^{13} - 12 x^{12} + 8 x^{10} + 13 x^{9} - x^{8} - 8 x^{7} - 13 x^{6} + 8 x^{4} - x^{3} - x^{2} - 2 x - 1) \Big/ ((x - 1) (x^{2} + 1) (x^{2} + x + 1) (2 x^{2} - 1) (x^{4} - x^{2} + 1))$$

Sequence: A217110
Score: 5.43085
Type of gen. func.: ogf

$$3265920 x^{9}/((x - 1) (6 x - 1) (4 x - 1) (3 x - 1) (9 x - 1) (2 x - 1) (8 x - 1) (7 x - 1) (5 x - 1) (10 x - 1))$$

Sequence: A217123
Score: 6.77873
Type of gen. func.: ogf

$$\frac{x^{7} - 2 x^{6} - x^{5} + 2 x^{4} - x^{3} + x - 2}{(x^{2} + 1) (x + 1) (x - 1)^{3}}$$

Sequence: A217193
Score: 5.19617
Type of gen. func.: ogf

$$-\frac{4 x^{8} - 23 x^{7} + 53 x^{6} - 60 x^{5} + 32 x^{4} + 49 x^{3} + 77 x^{2} - 18 x + 6}{(x - 1)^{7}}$$

Sequence: A217194
Score: 12.7127
Type of gen. func.: ogf_with_Euler_transform]

^{2}

$$-\frac{4 x^{2} + x - 2}{4 x^{3} - 2 x^{2} - 2 x + 1}$$

Sequence: A217200
Score: 7.51095
Type of gen. func.: lgdogf

$$-\frac{2 x^{4} - 6 x^{3} + 48 x^{2} + 10 x + 6}{x^{6} - 4 x^{5} + 6 x^{4} + 10 x^{3} - 17 x^{2} + 6 x - 2}$$

Sequence: A217200
Score: 7.79984
Type of gen. func.: ogf

$$-\frac{x^{5} - 3 x^{4} + 3 x^{3} + 13 x^{2} - 4 x + 2}{(x - 1)^{5}}$$

Sequence: A217213
Score: 5.23055
Type of gen. func.: ogf

$$-64 f(x)^{2} x^{3} + 48 f(x)^{2} x^{2} + 128 f(x) x^{3} - 36 x^{4} - 12 f(x)^{2} x - 96 f(x) x^{2}$$
$$+ 8 x^{3} + f(x)^{2} + 24 f(x) x - 2 f(x)$$

Sequence: A217213
Score: 6.69023
Type of gen. func.: ogf

$$\{(-4 n^{2} + 2 n) a(n) + (n^{2} - n - 2) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0,$$
$$a(3) = 4\}$$

Sequence: A217213
Score: 8.99000
Type of gen. func.: lgdogf

$$\frac{\left(-\frac{3\,(30\,x^{2}-11\,x+1)}{(4\,x-1)^{3/2}}+3\,I\right)(4\,x-1)^{1/2}}{x\,(9\,x-2)}$$

Sequence: A217214
Score: 3.97034
Type of gen. func.: ogf

$$\{(-212\,n^{3}-490\,n^{2}-192\,n)\,a(n+1)+(121\,n^{3}+365\,n^{2}+26\,n-132)\,a(n+2)$$
$$+(-17\,n^{3}-55\,n^{2}+52\,n)\,a(n+3),\ a(0)=0,\ a(1)=0,\ a(2)=0,\ a(3)=2$$
$$\}$$

Sequence: A217215
Score: 3.87836
Type of gen. func.: ogf

$$\{(-212\,n^{3}-490\,n^{2}-192\,n)\,a(n+1)+(121\,n^{3}+365\,n^{2}+26\,n-132)\,a(n+2)$$
$$+(-17\,n^{3}-55\,n^{2}+52\,n)\,a(n+3),\ a(0)=0,\ a(1)=0,\ a(2)=0,\ a(3)=1$$
$$\}$$

Sequence: A217218
Score: 10.1541
Type of gen. func.: ogf

$$-(59\,x^{11}+79\,x^{10}+105\,x^{9}+70\,x^{8}+93\,x^{7}+62\,x^{6}+83\,x^{5}+111\,x^{4}+74\,x^{3}$$
$$+99\,x^{2}+66\,x+44)\ /\ ((x-1)\,(x+1)\,(x^{2}+x+1)\,(x^{2}-x+1)$$
$$(x^{2}+1)\,(x^{4}-x^{2}+1))$$

Sequence: A217219
Score: 12.0591
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^5 - x^2}{x^6 + x^3 + 1}$$

Sequence: A217221
Score: 13.0023
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^5 + x^3 - x}{x^6 + 1}$$

Sequence: A217233
Score: 11.6971
Type of gen. func.: ogf

$$\frac{(x-1)^2}{(x+1)(x^2 - 4x + 1)}$$

Sequence: A217233
Score: 6.25897
Type of gen. func.: ogf

$$(353 f(x) + 24) (f(x) x^3 - 3 f(x) x^2 - 3 f(x) x - x^2 + f(x) + 2 x - 1)$$

Sequence: A217233
Score: 6.37075
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 1, a(1) = 1, a(2) = 7\}$$

Sequence: A217233
Score: 9.91006
Type of gen. func.: lgdogf

$$-x^3 + 3x^2 - 9x - 1$$

$$- \frac{}{-x^{4} + 4 x^{3} - 4 x + 1}$$

Sequence: A217238
Score: 3.71859
Type of gen. func.: ogf

$$\{(n^{3} + 8 n^{2} + 21 n + 18) a(n + 1) + (-n^{2} - 7 n - 12) a(n + 2) + a(n + 3),$$
$$a(0) = 0, a(1) = 1, a(2) = 6\}$$

Sequence: A217239
Score: 3.79038
Type of gen. func.: ogf

$$\{(n^{3} + 4 n^{2} + 5 n + 2) a(n) + (-n^{2} - 4 n - 4) a(n + 1) + a(n + 2), a(0) = 0,$$
$$a(1) = 0, a(2) = 2\}$$

Sequence: A217260
Score: 10.5823
Type of gen. func.: lgdegf]

$$- \frac{-2 - 2 x}{-x^{2} - 2 x - 2}$$

Sequence: A217260
Score: 15.3924
Type of gen. func.: egf]

$$\frac{2}{x^{2} + 2 x + 2}$$

Sequence: A217260
Score: 3.57711
Type of gen. func.: ogf

$$\{(-n^{2} - 5 n - 6) a(n + 1) + (-2 n - 6) a(n + 2) - 2 a(n + 3), a(0) = 1,$$

a(1) = -1, a(2) = 1}

Sequence: A217260
Score: 5.97588
Type of gen. func.: egf]

$$-(f(x) - 1) (f(x) x^2 + 2 f(x) x + 2 f(x) - 2)$$

Sequence: A217268
Score: 3.56993
Type of gen. func.: ogf

$$-(1687473 f(x) + 754750) (729 f(x) x^4 - 648 f(x) x^3 + 270 x^4 - 176 x^3 + 24 f(x) x - 64 x^2 - f(x) + 16 x + 2)$$

Sequence: A217268
Score: 6.20682
Type of gen. func.: ogf

$$-\frac{2 (135 x^4 - 88 x^3 - 32 x^2 + 8 x + 1)}{(27 x^2 - 1) (27 x^2 - 24 x + 1)}$$

Sequence: A217274
Score: 11.0386
Type of gen. func.: lgdogf

$$-\frac{21 x^2 - 28 x + 7}{7 x^3 - 14 x^2 + 7 x - 1}$$

Sequence: A217274
Score: 17.6093
Type of gen. func.: ogf

$$-\frac{x}{}$$

$$7 x^3 - 14 x^2 + 7 x - 1$$

Sequence: A217274
Score: 6.60347
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 7 a(n), a(0) = 0, a(1) = 1, a(2) = 7\}$$

Sequence: A217274
Score: 9.4819
Type of gen. func.: ogf

$$7 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x - f(x) + x$$

Sequence: A217275
Score: 13.2028
Type of gen. func.: ogf

$$7 f(x)^2 x^2 + f(x) x - f(x) + 1$$

Sequence: A217275
Score: 19.4742
Type of gen. func.: revogf

$$- \frac{x}{-7 x^2 - x - 1}$$

Sequence: A217275
Score: 5.12480
Type of gen. func.: ogf

$$\{(27 n + 54) a(n + 1) + (2 n + 7) a(n + 2) + (-n - 5) a(n + 3), a(0) = 1,$$
$$a(1) = 1, a(2) = 8\}$$

Sequence: A217278
Score: 6.60564

Type of gen. func.: ogf

$$-\frac{x^{2} (3 x^{5} + x^{4} + 12 x^{3} + 9 x^{2} + 3 x + 1)}{(x - 1) (x + 1) (x^{2} + 2 x - 1) (x^{2} - 2 x - 1) (x^{4} + 6 x^{2} + 1)}$$

Sequence: A217282
Score: 7.35731
Type of gen. func.: ogf

$$-f(x)^{2} x^{4} + f(x)^{2} x^{3} - f(x) x^{3} + f(x) x^{2} + f(x) x - f(x) + 1$$

Sequence: A217283
Score: 11.0371
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^{2} + x + 1) (x^{6} + x^{3} + 1) (x + 1) (x^{2} - x + 1) (x^{6} - x^{3} + 1)}{x^{20} + x^{19} - x^{18} - x^{6} - x^{2} - x + 1}$$

Sequence: A217284
Score: 4.32198
Type of gen. func.: ogf

$$\{(-n^{3} - 6 n^{2} - 12 n - 8) a(n + 1) + (n^{3} + 9 n^{2} + 27 n + 28) a(n + 2) - a(n + 3)$$

$$, a(0) = 1, a(1) = 2, a(2) = 17\}$$

Sequence: A217312
Score: 5.84678
Type of gen. func.: ogf

$$-3 f(x)^{2} x^{3} + f(x)^{2} x^{2} + 2 f(x)^{2} x - 3 f(x) x^{2} - f(x)^{2} - f(x) x + 2 f(x) - x$$

$$- 1$$

Sequence: A217319
Score: 16.5102
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} (x - 1) - x^3 + x^2 + 2$$

Sequence: A217330
Score: 8.34535
Type of gen. func.: ogf

$$\frac{2 x^3 + 1}{(x^2 + x + 1)^2 (x - 1)^4}$$

Sequence: A217330
Score: 9.41278
Type of gen. func.: lgdogf

$$- \frac{10 x^5 + 4 x^4 + 4 x^3 + 14 x^2 + 2 x + 2}{2 x^6 - x^3 - 1}$$

Sequence: A217333
Score: 12.4823
Type of gen. func.: ogf

$$-f(x)^2 x^3 - 2 f(x) x + f(x) + x - 1$$

Sequence: A217333
Score: 9.82980
Type of gen. func.: revogf

$$\frac{-2 x - 1 + (4 x^3 + 4 x^2 + 1)^{1/2}}{2 (x^2 - 1)}$$

Sequence: A217336
Score: 6.78685
Type of gen. func.: ogf

$$-\frac{x^5 + 9 x^4 + 2 x^3 - 22 x^2 + x + 1}{3 x^6 - 27 x^4 + 33 x^2 - 1}$$

Sequence: A217340
Score: 11.5549
Type of gen. func.: ogf

$$\frac{x}{x^4 - x^3 + 11 x^2 - 7 x + 1}$$

Sequence: A217340
Score: 5.15672
Type of gen. func.: ogf

$$(185 f(x) - 19) (f(x) x^4 - f(x) x^3 + 11 f(x) x^2 - 7 f(x) x + f(x) - x)$$

Sequence: A217340
Score: 7.60930
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 3 x^2 + 22 x - 7}{x^4 - x^3 + 11 x^2 - 7 x + 1}$$

Sequence: A217358
Score: 23.2868
Type of gen. func.: revogf

$$-x^4 - x^3 + x$$

Sequence: A217359
Score: 24.6941
Type of gen. func.: revogf

$$x^4 + x^3 + x$$

```
--------------------------------------------------------------------------------

Sequence:  A217360
Score: 4.07251
Type of gen. func.: ogf


         3          2
{(-512 n  - 2304 n  - 3424 n - 1680) a(n + 1)

             3         2
     + (27 n  + 162 n  + 321 n + 210) a(n + 2), a(0) = 1, a(1) = 2}



--------------------------------------------------------------------------------

Sequence:  A217361
Score: 11.2282
Type of gen. func.: ogf


                                          2        2     3
                        1 - f(x) - f(x)  x - 2 x  f(x)



--------------------------------------------------------------------------------

Sequence:  A217361
Score: 20.7020
Type of gen. func.: revogf


                                       3    2
                                    2 x  + x  + x



--------------------------------------------------------------------------------

Sequence:  A217361
Score: 3.56163
Type of gen. func.: ogf


         2                                    2
{(-108 n  - 432 n - 420) a(n + 1) + (-32 n  - 176 n - 240) a(n + 2)

             2
     + (-7 n  - 49 n - 84) a(n + 3), a(0) = 1, a(1) = -1, a(2) = 0}



--------------------------------------------------------------------------------

Sequence:  A217362
Score: 18.1169
Type of gen. func.: revogf


                                     4      2
                                   [x  + 2 x  + x]



--------------------------------------------------------------------------------

Sequence:  A217363
```

Score: 11.1686
Type of gen. func.: ogf

$$\mathrm{hypergeom}\left([1/3, 2/3], [3/2], \frac{81 x}{4}\right)$$

Sequence: A217363
Score: 15.7994
Type of gen. func.: ogf

$$-1 + f(x) - 3 f(x)^3 x$$

Sequence: A217363
Score: 5.10061
Type of gen. func.: ogf

$$\{(-81 n^2 - 243 n - 180) a(n + 1) + (4 n^2 + 18 n + 20) a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A217364
Score: 3.22025
Type of gen. func.: ogf

$$\{(-3125 n^4 - 18750 n^3 - 41875 n^2 - 41250 n - 15120) a(n + 1) + (128 n^4 + 960 n^3 + 2680 n^2 + 3300 n + 1512) a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A217365
Score: 15.5974
Type of gen. func.: revogf

$$[x^5 + x^4 + x^3 + x^2 + x]$$

Sequence: A217366
Score: 6.08977
Type of gen. func.: ogf

$$\{(-n^2 - 12 n - 27) a(n + 1) + (n^2 + 8 n + 7) a(n + 3), a(0) = 0, a(1) = 7,$$

$$a(2) = 2\}$$

Sequence: A217366
Score: 9.52869
Type of gen. func.: ogf

$$\frac{x (5 x^4 + x^3 - 6 x^2 - 2 x - 7)}{(x - 1)^3 (x + 1)^3}$$

Sequence: A217367
Score: 3.89793
Type of gen. func.: ogf

$$\frac{x (x^2 - x + 1) (3 x^5 - x^4 + 2 x^3 - 3 x^2 - 5 x - 2)}{(x^2 + 1)^3 (x - 1)^3}$$

Sequence: A217373
Score: 28.4766
Type of gen. func.: ogf_with_Euler_transform]

$$-x^8 + x^7 + 2$$

Sequence: A217373
Score: 7.61200
Type of gen. func.: ogf

$$\frac{9 (x^2 + x + 1) (x^6 + x^3 + 1)}{(x + 1) (x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A217394
Score: 10.7236
Type of gen. func.: ogf

$$-\frac{170 x^{12} - 170 x^{11} + 17 x^{2} - 16 x - 2}{(x - 1)^{2}}$$

Sequence: A217395
Score: 10.7236
Type of gen. func.: ogf

$$-\frac{260 x^{12} - 260 x^{11} + 26 x^{2} - 24 x - 3}{(x - 1)^{2}}$$

Sequence: A217397
Score: 10.7236
Type of gen. func.: ogf

$$-\frac{350 x^{12} - 350 x^{11} + 35 x^{2} - 32 x - 4}{(x - 1)^{2}}$$

Sequence: A217398
Score: 10.7236
Type of gen. func.: ogf

$$-\frac{440 x^{12} - 440 x^{11} + 44 x^{2} - 40 x - 5}{(x - 1)^{2}}$$

Sequence: A217399
Score: 10.7236
Type of gen. func.: ogf

$$-\frac{530 x^{12} - 530 x^{11} + 53 x^{2} - 48 x - 6}{(x - 1)^{2}}$$

Sequence: A217400
Score: 10.7236
Type of gen. func.: ogf

$$-\frac{620 x^{12} - 620 x^{11} + 62 x^{2} - 56 x - 7}{(x - 1)^{2}}$$

Sequence: A217401
Score: 10.7236
Type of gen. func.: ogf

$$-\frac{710 x^{12} - 710 x^{11} + 71 x^{2} - 64 x - 8}{(x - 1)^{2}}$$

Sequence: A217402
Score: 10.7236
Type of gen. func.: ogf

$$-\frac{800 x^{12} - 800 x^{11} + 80 x^{2} - 72 x - 9}{(x - 1)^{2}}$$

Sequence: A217441
Score: 10.9632
Type of gen. func.: lgdogf

$$-\frac{-18 x^{3} - 10 x^{2} - 43 x - 7}{-6 x^{4} - x^{3} + x + 6}$$

Sequence: A217441
Score: 9.90649
Type of gen. func.: ogf

$$-\frac{4 x (6 x^{2} + x + 6)}{(x + 1)^{2} (x - 1)^{3}}$$

Sequence: A217444
Score: 7.93116
Type of gen. func.: ogf

$$-\frac{x\,(x^{6}+2\,x^{5}+3\,x^{4}+12\,x^{3}+5\,x^{2}+x+1)}{x^{9}-17\,x^{6}+10\,x^{3}-1}$$

Sequence: A217450
Score: 11.0400
Type of gen. func.: ogf

$$\frac{x^{3}-3\,x^{2}+3\,x-3}{x^{4}+2\,x-1}$$

Sequence: A217450
Score: 6.53822
Type of gen. func.: ogf

$$(24\,f(x)-23)\,(f(x)\,x^{4}-x^{3}+2\,f(x)\,x+3\,x^{2}-f(x)-3\,x+3)$$

Sequence: A217451
Score: 3.87214
Type of gen. func.: ogf

$$-\frac{12\,x^{8}+62\,x^{7}+12\,x^{6}+43\,x^{5}-8\,x^{4}+17\,x^{3}-15\,x^{2}-6\,x-3}{4\,x^{9}+26\,x^{8}+14\,x^{7}+17\,x^{6}-x^{5}+5\,x^{4}-6\,x^{3}-3\,x^{2}-3\,x+1}$$

Sequence: A217461
Score: 14.4919
Type of gen. func.: lgdogf

$$-\frac{8\,x^{3}-24\,x^{2}+16\,x-4}{4\,x^{4}-16\,x^{3}+16\,x^{2}-8\,x+1}$$

Sequence: A217461
Score: 7.30008
Type of gen. func.: ogf

$$-4 f(x)^2 x^4 + 16 f(x)^2 x^3 - 16 f(x)^2 x^2 + 8 f(x)^2 x - f(x)^2 + 1$$

Sequence: A217461
Score: 8.77748
Type of gen. func.: lgdogf

$$- \frac{8 x^3 - 24 x^2 + 16 x - 4}{4 x^4 - 16 x^3 + 16 x^2 - 8 x + 1}$$

Sequence: A217477
Score: 6.48852
Type of gen. func.: ogf

$$\{(-4 n - 2) a(n) + (-n - 1) a(n + 1), a(0) = 3, a(1) = -4\}$$

Sequence: A217477
Score: 8.08959
Type of gen. func.: ogf

$$4 f(x)^2 x + f(x)^2 - 8 f(x) x - 2 f(x) + 4 x - 3$$

Sequence: A217477
Score: 9.16026
Type of gen. func.: lgdogf

$$- \frac{4 (-2 + (4 x + 1)^{1/2})}{(4 x - 3) (4 x + 1)}$$

Sequence: A217482
Score: 3.79270

Type of gen. func.: ogf

$$-\frac{4 x^4 (x^4 + 3 x^3 + 7 x^2 + 3 x + 1)}{(x + 1)^5 (x - 1)^7}$$

Sequence: A217486
Score: 10.9635
Type of gen. func.: revegf]

$$1/2 \ln(4 x + 1) - 1/2 \ln(2 x + 1)$$

Sequence: A217515
Score: 10.9804
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n), a(0) = 6, a(1) = 4, a(2) = 3\}$$

Sequence: A217515
Score: 17.0308
Type of gen. func.: ogf

$$-\frac{3 x^2 + 4 x + 6}{(x - 1) (x^2 + x + 1)}$$

Sequence: A217515
Score: 9.93463
Type of gen. func.: ogf

$$-(716 f(x) - 3381) (f(x) x^3 + 3 x^2 - f(x) + 4 x + 6)$$

Sequence: A217516
Score: 13.1794
Type of gen. func.: ogf

$$-\frac{2 x^4 + 4 x^3 + 5 x^2 + 8 x + 7}{\quad^{2}}$$

```
                             (x - 1) (x + 1) (x  + 1)
```

Sequence: A217516
Score: 8.83156
Type of gen. func.: ogf

```
                                 4      4      3      2
       (1682 f(x) - 7655) (f(x) x  + 2 x  + 4 x  + 5 x  - f(x) + 8 x + 7)
```

Sequence: A217517
Score: 11.5584
Type of gen. func.: ogf

```
                            4      3       2
                         5 x  + 6 x  + 10 x  + 20 x + 20
                       - --------------------------------
                                   4    3    2
                         (x - 1) (x  + x  + x  + x + 1)
```

Sequence: A217518
Score: 9.95387
Type of gen. func.: ogf

```
                          5      4       3      2
                      6 x  + 7 x  + 12 x  + 7 x  + 7 x + 13
                  - -----------------------------------------
                                      2             2
                    (x - 1) (x + 1) (x  + x + 1) (x  - x + 1)
```

Sequence: A217527
Score: 12.1330
Type of gen. func.: lgdogf

```
                                         2
                                    -12 x  - 3
                           - ------------------------
                                  3       2
                             -12 x  + 12 x  - 5 x + 1
```

Sequence: A217527
Score: 12.1330
Type of gen. func.: ogf

```
                                      2
                                2 (6 x  - 3 x + 1)
                              - ------------------
```

$$(2x-1)^3$$

Sequence: A217527
Score: 6.31716
Type of gen. func.: ogf

$$-(124 f(x) - 113) (8 f(x) x^3 - 12 f(x) x^2 + 6 f(x) x + 12 x^2 - f(x) - 6 x + 2)$$

Sequence: A217527
Score: 6.70506
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 12 a(n + 1) - 8 a(n), a(0) = 2, a(1) = 6, a(2) = 24\}$$

Sequence: A217528
Score: 5.34809
Type of gen. func.: ogf

$$-(11 f(x) + 9) (8 f(x) x^4 - 20 f(x) x^3 + 18 f(x) x^2 + 4 x^3 - 7 f(x) x - 10 x^2 + f(x) + 5 x - 1)$$

Sequence: A217528
Score: 7.67796
Type of gen. func.: lgdogf

$$-\frac{-8 x^4 + 32 x^3 - 28 x^2 + 8 x - 2}{-8 x^5 + 32 x^4 - 44 x^3 + 27 x^2 - 8 x + 1}$$

Sequence: A217528
Score: 9.69342
Type of gen. func.: ogf

$$-\frac{4 x^3 - 10 x^2 + 5 x - 1}{(x - 1) (2 x - 1)^3}$$

Sequence: A217529
Score: 10.0681
Type of gen. func.: lgdogf

$$-\frac{-88 x^2 + 120 x - 86}{-88 x^3 + 148 x^2 - 98 x + 23}$$

Sequence: A217529
Score: 11.3073
Type of gen. func.: ogf

$$-\frac{44 x^2 - 52 x + 23}{(2 x - 1)^3}$$

Sequence: A217529
Score: 6.12476
Type of gen. func.: ogf

$$(416 f(x) + 2367)$$

$$(8 f(x) x^3 - 12 f(x) x^2 + 6 f(x) x + 44 x^2 - f(x) - 52 x + 23)$$

Sequence: A217529
Score: 6.28181
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 12 a(n + 1) - 8 a(n), a(0) = 23, a(1) = 86, a(2) = 284 \}$$

Sequence: A217530
Score: 4.12820
Type of gen. func.: ogf

$$\{(3994 n^2 + 26471 n + 36966) a(n + 1) + (-7901 n^2 - 34694 n - 15243) a(n + 2) + (3907 n^2 + 8571 n + 1514) a(n + 3), a(0) = 0, a(1) = 6, a(2) = 22\}$$

Sequence: A217530
Score: 9.09981
Type of gen. func.: ogf

$$\frac{x\,(11\,x^{3} - 25\,x^{2} + 8\,x - 6)}{(x - 1)^{5}}$$

Sequence: A217530
Score: 9.61684
Type of gen. func.: lgdogf

$$-\frac{-22\,x^{3} + 42\,x^{2} + 18\,x + 22}{-11\,x^{4} + 36\,x^{3} - 33\,x^{2} + 14\,x - 6}$$

Sequence: A217562
Score: 23.2987
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{4} + x^{3} + 2$$

Sequence: A217562
Score: 8.81714
Type of gen. func.: ogf

$$\frac{2\,(x^{4} + x^{3} + x^{2} + x + 1)}{(x^{2} + 1)\,(x + 1)\,(x - 1)^{2}}$$

Sequence: A217571
Score: 8.67966
Type of gen. func.: lgdogf

$$-\frac{-2\,x^{4} - 4\,x^{3} + 8\,x^{2} + 6\,x + 4}{-x^{5} - x^{4} + 4\,x^{3} + 2\,x^{2} - 3\,x - 1}$$

Sequence: A217571
Score: 9.80291
Type of gen. func.: ogf

$$\frac{x^3 + x^2 - 3 x - 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A217573
Score: 7.60972
Type of gen. func.: ogf

$$\frac{4 x^7 + 12 x^6 + 12 x^5 + 13 x^4 + 13 x^3 + 12 x^2 + 12 x + 10}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A217574
Score: 3.58002
Type of gen. func.: ogf

$$\{(25 n^3 + 247 n^2 + 809 n + 879) a(n + 1) + (206 n^2 + 824 n + 630) a(n + 2)$$

$$+ (-25 n^3 - 53 n^2 - 33 n - 5) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 24\}$$

Sequence: A217574
Score: 4.44791
Type of gen. func.: ogf

$$- \frac{24 x^2 (x + 1) (x^4 + 116 x^3 + 606 x^2 + 116 x + 1)}{(x - 1)^9}$$

Sequence: A217585
Score: 11.6526
Type of gen. func.: lgdogf

3   2

$$-\frac{-2 x + 6 x - 7 x - 5}{2 x^{4} - 4 x^{3} - x^{2} + 2 x + 1}$$

Sequence: A217585
Score: 14.3416
Type of gen. func.: ogf

$$-\frac{x (2 x^{3} - 2 x^{2} - 3 x - 1)}{(x - 1)^{2}}$$

Sequence: A217585
Score: 7.34019
Type of gen. func.: ogf

{-a(n + 5) + 2 a(n + 4) - a(n + 3), a(0) = 0, a(1) = 1, a(2) = 5, a(3) = 11,

a(4) = 15}

Sequence: A217585
Score: 8.39825
Type of gen. func.: ogf

$$(136 f(x) - 11107) (2 x^{4} + f(x) x^{2} - 2 x^{3} - 2 f(x) x - 3 x^{2} + f(x) - x)$$

Sequence: A217592
Score: 45.9290
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A217596
Score: 10.5252
Type of gen. func.: ogf

$$x^{2} + f(x) x - f(x)^{2} + f(x)^{3}$$

Sequence: A217602
Score: 5.52151
Type of gen. func.: ogf

$$-\frac{2x^{10}+3x^{8}-8x^{7}-2x^{6}-4x^{5}+2x^{4}-4x^{3}-4x^{2}-1}{(x^{4}+1)(x+1)(x^{2}+1)^{2}(x-1)^{2}}$$

Sequence: A217615
Score: 10.3363
Type of gen. func.: lgdogf

$$-\frac{8x^{3}-6x^{2}+x-1}{4x^{4}-4x^{3}+x^{2}-2x+1}$$

Sequence: A217615
Score: 19.3442
Type of gen. func.: lgdogf

$$-\frac{8x^{3}-6x^{2}+x-1}{4x^{4}-4x^{3}+x^{2}-2x+1}$$

Sequence: A217615
Score: 8.35253
Type of gen. func.: ogf

$$-4f(x)^{2}x^{4}+4f(x)^{2}x^{3}-f(x)^{2}x^{2}+2f(x)^{2}x-f(x)^{2}+1$$

Sequence: A217616
Score: 15.8811
Type of gen. func.: lgdogf

$$-\frac{8x^{3}-12x^{2}+4x-2}{4x^{4}-8x^{3}+4x^{2}-4x+1}$$

Sequence: A217616
Score: 7.67417
Type of gen. func.: ogf

$$-4 f(x)^2 x^4 + 8 f(x)^2 x^3 - 4 f(x)^2 x^2 + 4 f(x)^2 x - f(x)^2 + 1$$

Sequence: A217616
Score: 9.37953
Type of gen. func.: lgdogf

$$-\frac{8 x^3 - 12 x^2 + 4 x - 2}{4 x^4 - 8 x^3 + 4 x^2 - 4 x + 1}$$

Sequence: A217617
Score: 15.2479
Type of gen. func.: lgdogf

$$-\frac{-8 x^3 + 18 x^2 - 9 x + 3}{-4 x^4 + 12 x^3 - 9 x^2 + 6 x - 1}$$

Sequence: A217617
Score: 7.75427
Type of gen. func.: ogf

$$-4 f(x)^2 x^4 + 12 f(x)^2 x^3 - 9 f(x)^2 x^2 + 6 f(x)^2 x - f(x)^2 + 1$$

Sequence: A217617
Score: 9.45644
Type of gen. func.: lgdogf

$$-\frac{-8 x^3 + 18 x^2 - 9 x + 3}{-4 x^4 + 12 x^3 - 9 x^2 + 6 x - 1}$$

Sequence: A217631
Score: 10.6718
Type of gen. func.: ogf

$$-\frac{2 x (2 x^2 + 2 x + 1)}{2 x^3 + 3 x^2 + x - 1}$$

Sequence: A217631
Score: 5.25503
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3) - 3 a(n + 2) - 2 a(n + 1), a(0) = 0, a(1) = 2, a(2) = 6, a(3) = 16\}$$

Sequence: A217631
Score: 5.97985
Type of gen. func.: ogf

$$(31 f(x) + 4) (2 f(x) x^3 + 3 f(x) x^2 + 4 x^3 + f(x) x + 4 x^2 - f(x) + 2 x)$$

Sequence: A217631
Score: 6.93664
Type of gen. func.: lgdogf

$$-\frac{-4 x^4 - 8 x^3 - 10 x^2 - 10 x - 3}{-4 x^5 - 10 x^4 - 10 x^3 - 3 x^2 + x + 1}$$

Sequence: A217639
Score: 7.12999
Type of gen. func.: ogf

$$\frac{x^5 - 3 x^4 + x^3 + 3 x + 3}{x^6 - 2 x^4 - 3 x^3 - 3 x^2 - 2 x + 1}$$

Sequence: A217657

Score: 6.08116
Type of gen. func.: ogf

$$-\frac{x^{11} (9 x^8 + 8 x^7 + 7 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1)}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A217661
Score: 12.4897
Type of gen. func.: lgdogf

$$-\frac{-4 x^4 + 10 x^3 - 6 x^2 + 2 x - 1}{-4 x^5 + 8 x^4 - 8 x^3 + 8 x^2 - 5 x + 1}$$

Sequence: A217661
Score: 6.98624
Type of gen. func.: ogf

$$-4 f(x)^2 x^4 + 4 f(x)^2 x^3 - 4 f(x)^2 x^2 + 4 f(x)^2 x - f(x)^2 + x^2 - 2 x + 1$$

Sequence: A217661
Score: 7.99458
Type of gen. func.: lgdogf

$$-\frac{-4 x^4 + 10 x^3 - 6 x^2 + 2 x - 1}{-4 x^5 + 8 x^4 - 8 x^3 + 8 x^2 - 5 x + 1}$$

Sequence: A217664
Score: 11.6599
Type of gen. func.: lgdogf

$$-\frac{-18 x^4 + 28 x^3 - 15 x^2 + 5 x - 1}{-18 x^5 + 29 x^4 - 32 x^3 + 23 x^2 - 8 x + 1}$$

Sequence: A217664
Score: 7.03258
Type of gen. func.: ogf

$$-9 f(x)^2 x^4 + 10 f(x)^2 x^3 - 11 f(x)^2 x^2 + 6 f(x)^2 x - f(x)^2 + 4 x^2 - 4 x + 1$$

Sequence: A217664
Score: 7.71537
Type of gen. func.: lgdogf

$$- \frac{-18 x^4 + 28 x^3 - 15 x^2 + 5 x - 1}{-18 x^5 + 29 x^4 - 32 x^3 + 23 x^2 - 8 x + 1}$$

Sequence: A217665
Score: 10.8569
Type of gen. func.: lgdogf

$$- \frac{-48 x^4 + 62 x^3 - 30 x^2 + 8 x - 1}{-48 x^5 + 76 x^4 - 80 x^3 + 44 x^2 - 11 x + 1}$$

Sequence: A217665
Score: 6.59167
Type of gen. func.: ogf

$$-16 f(x)^2 x^4 + 20 f(x)^2 x^3 - 20 f(x)^2 x^2 + 8 f(x)^2 x - f(x)^2 + 9 x^2 - 6 x + 1$$

Sequence: A217665
Score: 7.22550
Type of gen. func.: lgdogf

$$- \frac{-48 x^4 + 62 x^3 - 30 x^2 + 8 x - 1}{-48 x^5 + 76 x^4 - 80 x^3 + 44 x^2 - 11 x + 1}$$

Sequence: A217666
Score: 6.48811

Type of gen. func.: ogf

$$-25 f(x)^2 x^4 + 34 f(x)^2 x^3 - 31 f(x)^2 x^2 + 10 f(x)^2 x - f(x)^2 + 16 x^2 - 8 x + 1$$

Sequence: A217666
Score: 6.84201
Type of gen. func.: lgdogf

$$-\frac{-100 x^4 + 118 x^3 - 51 x^2 + 11 x - 1}{-100 x^5 + 161 x^4 - 158 x^3 + 71 x^2 - 14 x + 1}$$

Sequence: A217666
Score: 9.99444
Type of gen. func.: lgdogf

$$-\frac{-100 x^4 + 118 x^3 - 51 x^2 + 11 x - 1}{-100 x^5 + 161 x^4 - 158 x^3 + 71 x^2 - 14 x + 1}$$

Sequence: A217687
Score: 9.76469
Type of gen. func.: ogf

$$\frac{342092 x^{11} + 1402 x^{10} + 378 x^8 + 62 x^5 + x^3 + 3 x^2 + 1}{(x - 1)^2}$$

Sequence: A217688
Score: 11.5615
Type of gen. func.: ogf

$$\frac{x (71493 x^9 + 293 x^8 + 79 x^6 + 13 x^3 + 1)}{(x - 1)^2}$$

Sequence: A217694

Score: 9.09716
Type of gen. func.: ogf

$$\frac{(x+1)(x^2-x+1)}{(x^2+1)(x^2+x-1)(x^4+x^2-1)}$$

Sequence: A217703
Score: 5.64928
Type of gen. func.: egf]

$$\{(-n^3-6n^2-12n-8)a(n+1)+(2n^2+10n+12)a(n+2)$$
$$+(-n-3)a(n+3),\ a(0)=1,\ a(1)=0,\ a(2)=-1/2\}$$

Sequence: A217730
Score: 10.3138
Type of gen. func.: ogf

$$-(16 f(x)-7)(2 f(x) x^4-4 f(x) x^2+x^3+f(x)-2x-1)$$

Sequence: A217730
Score: 17.7325
Type of gen. func.: ogf

$$-\frac{(x+1)(x^2-x-1)}{2x^4-4x^2+1}$$

Sequence: A217730
Score: 9.02455
Type of gen. func.: lgdogf

$$-\frac{-2x^6+8x^4+8x^3-5x^2-8x-2}{-2x^7+8x^5+2x^4-9x^3-4x^2+2x+1}$$

Sequence: A217730

Score: 9.53538
Type of gen. func.: ogf

$$\{a(n + 4) - 4 a(n + 2) + 2 a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 7\}$$

Sequence: A217733
Score: 12.8214
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{(x - 1) (x^3 + 3 x^2 - 1)}$$

Sequence: A217733
Score: 6.65169
Type of gen. func.: ogf

$$-(3 f(x) - 1) (f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 - f(x) x + x^2 + f(x) - x - 1)$$

Sequence: A217733
Score: 8.84675
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - x^4 - 8 x^3 - 2 x^2 + 4 x + 2}{x^6 + x^5 - 6 x^4 + 5 x^2 - 1}$$

Sequence: A217748
Score: 11.9628
Type of gen. func.: ogf

$$\frac{x^3 - x^2 - x - 1}{(x - 1)^3}$$

Sequence: A217748
Score: 13.7573
Type of gen. func.: lgdogf

$$-\frac{2 x^{2} - 4 x - 4}{x^{4} - 2 x^{3} + 1}$$

Sequence: A217748
Score: 6.15997
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 4, a(2) = 10, a(3) = 18\}$$

Sequence: A217748
Score: 6.76588
Type of gen. func.: ogf

$$(23 f(x) - 149) (f(x) x^{3} - 3 f(x) x^{2} - x^{3} + 3 f(x) x + x^{2} - f(x) + x + 1)$$

Sequence: A217758
Score: 4.74667
Type of gen. func.: ogf

$$(4891527 f(x) - 309056) (f(x) x^{3} - 35 f(x) x^{2} + 35 f(x) x + x^{2} - f(x) + 20 x + 1)$$

Sequence: A217758
Score: 5.02825
Type of gen. func.: ogf

$$\{a(n + 3) - 35 a(n + 2) + 35 a(n + 1) - a(n), a(0) = 1, a(1) = 55, a(2) = 1891\}$$

Sequence: A217758
Score: 9.27084
Type of gen. func.: ogf

$$-\frac{x^{2} + 20 x + 1}{(x - 1) (x^{2} - 34 x + 1)}$$

Sequence: A217761
Score: 14.1819
Type of gen. func.: ogf

$$-\frac{x\,(28\,x^{4} - 28\,x^{3} - 1)}{(x - 1)^{2}}$$

Sequence: A217761
Score: 9.19487
Type of gen. func.: lgdogf

$$-\frac{56\,x^{4} - 140\,x^{3} + 84\,x^{2} + 2}{-28\,x^{5} + 56\,x^{4} - 28\,x^{3} + x - 1}$$

Sequence: A217771
Score: 13.1564
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4\,x^{4} + 2\,x^{3} + 2\,x + 4}{-x^{6} + 1}$$

Sequence: A217775
Score: 12.1642
Type of gen. func.: lgdogf

$$-\frac{-7\,x^{2} + 20\,x - 22}{-7\,x^{3} + 24\,x^{2} - 30\,x + 13}$$

Sequence: A217775
Score: 13.1146
Type of gen. func.: ogf

$$2$$

$$-\frac{2\,(7\,x - 17\,x + 13)}{(x - 1)^{3}}$$

Sequence: A217775
Score: 7.17378
Type of gen. func.: ogf

$$(25\,f(x) + 286)\,(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x + 14\,x^{2} - f(x) - 34\,x + 26)$$

Sequence: A217775
Score: 7.29855
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 26,\ a(1) = 44,\ a(2) = 68\}$$

Sequence: A217776
Score: 11.8095
Type of gen. func.: lgdogf

$$-\frac{-11\,x^{2} + 30\,x - 25}{-11\,x^{3} + 37\,x^{2} - 43\,x + 17}$$

Sequence: A217776
Score: 12.8996
Type of gen. func.: ogf

$$-\frac{4\,(11\,x^{2} - 26\,x + 17)}{(x - 1)^{3}}$$

Sequence: A217776
Score: 6.87273
Type of gen. func.: ogf

$$(1037\,f(x) + 54484)$$

$$(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x + 44\,x^{2} - f(x) - 104\,x + 68)$$

Sequence: A217776
Score: 7.16643
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 68, a(1) = 100, a(2) = 140\}$$

Sequence: A217777
Score: 12.3070
Type of gen. func.: ogf

$$-\frac{(x - 1) (2 x + 1) (x + 1)}{5 x^4 - 5 x^2 + 1}$$

Sequence: A217777
Score: 7.54674
Type of gen. func.: ogf

$$\{-a(n + 4) + 5 a(n + 2) - 5 a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8\}$$

Sequence: A217777
Score: 8.60165
Type of gen. func.: ogf

$$f(x) (5 f(x) x^4 - 5 f(x) x^2 + 2 x^3 + x^2 + f(x) - 2 x - 1)$$

Sequence: A217778
Score: 4.97765
Type of gen. func.: ogf

$$-(10 f(x) + 7) (5 f(x) x^4 - 20 f(x) x^3 + 21 f(x) x^2 + 3 x^3 - 8 f(x) x - 7 x^2 + f(x) + 5 x - 1)$$

Sequence: A217778
Score: 9.07319
Type of gen. func.: ogf

$$-\frac{(3x-1)(x-1)^2}{(x^2-3x+1)(5x^2-5x+1)}$$

Sequence: A217779
Score: 10.4167
Type of gen. func.: ogf

$$\frac{(2x-1)^2}{(x^2-3x+1)(5x^2-5x+1)}$$

Sequence: A217779
Score: 5.64571
Type of gen. func.: ogf

$$(2 f(x) - 1)$$

$$(5 f(x) x^4 - 20 f(x) x^3 + 21 f(x) x^2 - 8 f(x) x - 4 x^2 + f(x) + 4 x - 1)$$

Sequence: A217779
Score: 7.04370
Type of gen. func.: lgdogf

$$-\frac{20x^4 - 60x^3 + 60x^2 - 26x + 4}{10x^5 - 45x^4 + 62x^3 - 37x^2 + 10x - 1}$$

Sequence: A217782
Score: 5.39105
Type of gen. func.: ogf

$$(5 f(x) - 1) (5 f(x) x^4 - 20 f(x) x^3 + 21 f(x) x^2 + 6 x^3 - 8 f(x) x - 11 x^2$$

$$+ f(x) + 6 x - 1)$$

Sequence: A217782
Score: 9.43434

Type of gen. func.: ogf

$$-\frac{(x-1)(3x-1)(2x-1)}{(x^2-3x+1)(5x^2-5x+1)}$$

Sequence: A217783
Score: 10.6462
Type of gen. func.: ogf

$$\frac{(2x-1)(x-1)}{(x^2-3x+1)(5x^2-5x+1)}$$

Sequence: A217783
Score: 5.55793
Type of gen. func.: ogf

$$-(59 f(x) - 7)$$

$$(5 f(x) x^4 - 20 f(x) x^3 + 21 f(x) x^2 - 8 f(x) x - 2 x^2 + f(x) + 3 x - 1)$$

Sequence: A217786
Score: 17.7767
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x-2}{-x^3-1}$$

Sequence: A217787
Score: 9.83701
Type of gen. func.: ogf

$$-\frac{2x^5+3x^4+4x^3-x^2-x-1}{x^6-5x^3+1}$$

Sequence: A217789
Score: 10.0287

Type of gen. func.: lgdogf

$$-\frac{2x^3-4x^2+2x-11}{-x^4+2x^3-11x^2+9x+1}$$

Sequence: A217789
Score: 15.2288
Type of gen. func.: ogf

$$-\frac{x^3-x^2+10x+1}{x-1}$$

Sequence: A217789
Score: 8.30662
Type of gen. func.: ogf

$$\{a(n+4)-a(n+3),\ a(0)=1,\ a(1)=11,\ a(2)=10,\ a(3)=11\}$$

Sequence: A217789
Score: 8.84252
Type of gen. func.: ogf

$$-(362\,f(x)+3817)\,(x^3+f(x)\,x-x^2-f(x)+10\,x+1)$$

Sequence: A217800
Score: 4.86293
Type of gen. func.: ogf

$$\{(-54\,n^3-351\,n^2-741\,n-504)\,a(n+1)+(2\,n^3+21\,n^2+73\,n+84)\,a(n+2),\ a(0)=1,\ a(1)=2\}$$

Sequence: A217838
Score: 7.77170
Type of gen. func.: ogf

$$x^7+x^6+x^5+x^4+x^3+x^2+2$$

$$-\frac{}{(x^4 - x + 1)\,(x^4 + x - 1)}$$

Sequence: A217853
Score: 9.11354
Type of gen. func.: ogf

$$-(81\,f(x)\,x^2 - 82\,f(x)\,x + f(x) + 81\,x - 91)^2$$

Sequence: A217855
Score: 10.3088
Type of gen. func.: lgdogf

$$-\frac{3\,x^2 - 30\,x + 15}{x^3 - 15\,x^2 + 15\,x - 1}$$

Sequence: A217855
Score: 14.9149
Type of gen. func.: ogf

$$-\frac{2\,x}{(x - 1)\,(x^2 - 14\,x + 1)}$$

Sequence: A217855
Score: 6.14913
Type of gen. func.: ogf

$$\{a(n + 3) - 15\,a(n + 2) + 15\,a(n + 1) - a(n),\ a(0) = 0,\ a(1) = 2,\ a(2) = 30\}$$

Sequence: A217855
Score: 8.87343
Type of gen. func.: ogf

$$f(x)\,x^3 - 15\,f(x)\,x^2 + 15\,f(x)\,x - f(x) + 2\,x$$

Sequence: A217873
Score: 12.4781
Type of gen. func.: ogf

$$\frac{4 (x^2 + 1) x}{(x - 1)^4}$$

Sequence: A217873
Score: 12.6730
Type of gen. func.: lgdogf

$$- \frac{-2 x^2 - 2 x - 4}{-x^3 + x^2 - x + 1}$$

Sequence: A217873
Score: 27.7878
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^3 + x + 4]$$

Sequence: A217873
Score: 4.11713
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-n - 6) a(n + 3) + (-1 + n) a(n + 2) + (-n - 2) a(n + 1),$$

$$a(0) = 0, a(1) = 4, a(2) = 16, a(3) = 44\}$$

Sequence: A217873
Score: 7.87451
Type of gen. func.: ogf

$$f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 x^3 - 4 f(x) x + f(x) - 4 x$$

Sequence: A217878
Score: 5.84669
Type of gen. func.: ogf

$$-\frac{(x^3+x^2+1)(x^3+x^2+3)}{(x^3+x^2-x+1)(x^4+2x-1)}$$

Sequence: A217879
Score: 5.16276
Type of gen. func.: ogf

$$-\frac{(x^4+x^3+x^2+1)(x^4+x^3+x^2+3)}{x^9+x^8+x^7-x^6+3x^5+x^3-3x^2+3x-1}$$

Sequence: A217880
Score: 4.07023
Type of gen. func.: ogf

$$-\frac{(x^5+x^4+x^3+x^2+1)(x^5+x^4+x^3+x^2+3)}{(x^5+x^4+x^3-x+1)(x^6+x^3-x^2+2x-1)}$$

Sequence: A217881
Score: 3.56644
Type of gen. func.: ogf

$$-\frac{(x^2+1)(x^4+x^3+1)(x^6+x^5+x^4+x^3+x^2+3)}{x^{13}+x^{12}+x^{11}+x^{10}+x^9-x^8+3x^7+x^3-3x^2+3x-1}$$

Sequence: A217893
Score: 11.1290
Type of gen. func.: ogf

$$-\frac{53x^3-33x^2+47x-17}{(x+1)(x-1)^3}$$

Sequence: A217893
Score: 6.24938
Type of gen. func.: ogf

$$(3095 f(x) - 53582)$$

$$(f(x) x^4 - 2 f(x) x^3 + 53 x^3 + 2 f(x) x - 33 x^2 - f(x) + 47 x - 17)$$

Sequence: A217893
Score: 7.59270
Type of gen. func.: lgdogf

$$-\frac{53 x^4 + 40 x^3 + 234 x^2 - 40 x + 13}{53 x^5 - 33 x^4 - 6 x^3 + 16 x^2 - 47 x + 17}$$

Sequence: A217894
Score: 11.1805
Type of gen. func.: ogf

$$-\frac{37 x^3 - 27 x^2 + 63 x - 23}{(x + 1) (x - 1)^3}$$

Sequence: A217894
Score: 6.0909
Type of gen. func.: ogf

$$-(4805 f(x) - 89016)$$

$$(f(x) x^4 - 2 f(x) x^3 + 37 x^3 + 2 f(x) x - 27 x^2 - f(x) + 63 x - 23)$$

Sequence: A217894
Score: 7.62785
Type of gen. func.: lgdogf

$$-\frac{37 x^4 + 20 x^3 + 246 x^2 - 20 x + 17}{37 x^5 - 27 x^4 + 26 x^3 + 4 x^2 - 63 x + 23}$$

Sequence: A217924
Score: 26.1054
Type of gen. func.: lgdegf]

$$-1 + 2 \exp(x)$$

Sequence: A217924
Score: 65.2945
Type of gen. func.: lgdegf]

$$-1 + 2 \exp(x)$$

Sequence: A217947
Score: 10.0309
Type of gen. func.: lgdogf

$$-\frac{-6 x^3 + 27 x^2 - 48 x + 37}{-3 x^4 + 15 x^3 - 30 x^2 + 29 x - 11}$$

Sequence: A217947
Score: 4.64196
Type of gen. func.: ogf

$$\{(5 n^2 + 53 n + 114) a(n + 1) + (-12 n^2 - 118 n - 262) a(n + 2)$$
$$+ (7 n^2 + 57 n + 108) a(n + 3), a(0) = 11, a(1) = 37, a(2) = 87\}$$

Sequence: A217947
Score: 9.69654
Type of gen. func.: ogf

$$\frac{3 x^3 - 12 x^2 + 18 x - 11}{(x - 1)^5}$$

Sequence: A217949

Score: 4.15476
Type of gen. func.: ogf

$$-\frac{(x^3+x^2+2)(x^6+2x^5+x^4+4x^3+4x^2+2)}{(x^5+3x^2-2x+1)(x^5+2x^4+x^2+2x-1)}$$

Sequence: A217958
Score: 5.04195
Type of gen. func.: ogf

$$(40 f(x)+101)(f(x) x^4-2 f(x) x^2-x^3-4 f(x) x-3 x^2+f(x)-5 x-3)$$

Sequence: A217958
Score: 8.91474
Type of gen. func.: ogf

$$\frac{(x+1)(x^2+2x+3)}{x^4-2x^2-4x+1}$$

Sequence: A217959
Score: 5.54951
Type of gen. func.: ogf

$$-\frac{26x^4+41x^3+39x^2-x-9}{10x^5+23x^4+20x^3+4x^2-10x+1}$$

Sequence: A217975
Score: 11.4594
Type of gen. func.: ogf

$$-\frac{2(x-1)(x^2+3x+1)}{(x^2+2x-1)(x^2-2x-1)}$$

Sequence: A217975
Score: 7.09393
Type of gen. func.: ogf

$$(980 f(x) - 621) (f(x) x^4 - 6 f(x) x^2 + 2 x^3 + 4 x^2 + f(x) - 4 x - 2)$$

Sequence: A217978
Score: 5.68038
Type of gen. func.: ogf

$$- \frac{2 (4 x^5 + 5 x^4 - 5 x^3 - 3 x^2 - 3 x + 3)}{2 x^7 + x^6 - 8 x^5 - 5 x^4 + x^3 + 5 x^2 + 2 x - 1}$$

Sequence: A217988
Score: 8.09888
Type of gen. func.: ogf

$$\frac{2 x^5 - 2 x^4 - 2 x^3 + 6 x^2 - 4 x + 1}{(2 x^2 - 2 x + 1) (2 x - 1)^2}$$

Sequence: A217995
Score: 6.42399
Type of gen. func.: ogf

$$- \frac{3 x^5 - 6 x^4 - 9 x^3 - 5 x^2 + 3}{(3 x - 1) (x^5 - 2 x^4 - 5 x^3 - x^2 + 1)}$$

Sequence: A218002
Score: 22.5353
Type of gen. func.: lgdegf]

$$- \frac{-x^8 - x^7 + x^6 + x^4 + x^2 + x}{x^6 - 1}$$

Sequence: A218002
Score: 9.41498
Type of gen. func.: lgdegf]

$$-\frac{-x^{8} - x^{7} + x^{6} + x^{4} + x^{2} + x}{x^{6} - 1}$$

Sequence: A218008
Score: 3.97265
Type of gen. func.: ogf

$$2 f(x)^{2} x^{4} - 5 f(x)^{2} x^{3} + 4 f(x)^{2} x^{2} - 4 f(x) x^{3} - f(x)^{2} x + 2 f(x) x^{2} + 4 f(x) x + 4 x^{2} - 2 f(x)$$

Sequence: A218009
Score: 7.88686
Type of gen. func.: ogf

$$\frac{x (2 x^{4} - 2 x^{3} + 2 x^{2} - 2 x + 1)}{(2 x^{2} - 2 x + 1) (2 x - 1)^{2}}$$

Sequence: A218032
Score: 5.13673
Type of gen. func.: ogf

$$-\frac{x^{14} + x^{11} + x^{10} - x^{8} + x^{7} - x^{4} - x^{3} - x^{2} + 1}{x^{15} - x^{14} - x^{10} - x^{9} + x^{8} - x^{7} - x^{5} + x^{4} + x^{2} + x - 1}$$

Sequence: A218033
Score: 5.98347
Type of gen. func.: ogf

$$\frac{x^{24} + x^{8} - 1}{x^{27} - x^{25} + x^{24} + x^{23} - 2 x^{15} + x^{11} - x^{9} + x^{8} + x^{7} - x^{3} + x - 1}$$

Sequence: A218034
Score: 13.0890
Type of gen. func.: ogf

$$\frac{12 x^3 - x^2 - 2 x - 1}{(x + 1) (3 x - 1)}$$

Sequence: A218034
Score: 6.99585
Type of gen. func.: ogf

{-a(n + 4) + 2 a(n + 3) + 3 a(n + 2), a(0) = 1, a(1) = 4, a(2) = 12, a(3) = 24}

Sequence: A218034
Score: 7.87882
Type of gen. func.: ogf

$$(3 f(x) + 11) (3 f(x) x^2 - 12 x^3 + 2 f(x) x + x^2 - f(x) + 2 x + 1)$$

Sequence: A218034
Score: 8.28081
Type of gen. func.: lgdogf

$$- \frac{-36 x^4 - 48 x^3 + 32 x^2 - 8 x - 4}{36 x^5 + 21 x^4 - 20 x^3 - 6 x^2 + 1}$$

Sequence: A218051
Score: 9.00127
Type of gen. func.: ogf

$$\frac{2 (x^4 - 2 x^2 + 2 x - 2)}{x^5 + 2 x^4 + x^2 + 2 x - 1}$$

Sequence: A218059
Score: 4.97143
Type of gen. func.: ogf

$$-(637 f(x) + 1396) (2 f(x) x^3 + 3 f(x) x^2 - 5 f(x) x + 4 x^2 + f(x) + 2 x - 4)$$

Sequence: A218059
Score: 5.23308
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 3 a(n + 1) - 2 a(n), a(0) = 4, a(1) = 18, a(2) = 74\}$$

Sequence: A218059
Score: 9.77985
Type of gen. func.: ogf

$$-\frac{2 (2 x^2 + x - 2)}{2 x^3 + 3 x^2 - 5 x + 1}$$

Sequence: A218060
Score: 4.98470
Type of gen. func.: ogf

$$\frac{2 (2 x^6 - 3 x^5 - 12 x^4 + 22 x^3 - 5 x^2 - 6 x + 3)}{(x - 1) (x^5 + 3 x^4 - 4 x^3 - 10 x^2 + 8 x - 1)}$$

Sequence: A218065
Score: 8.23249
Type of gen. func.: ogf

$$-\frac{2 (2 x^3 + 2 x^2 - x - 2)}{(x - 1) (x + 1) (2 x^3 + 3 x^2 + x - 1)}$$

Sequence: A218078
Score: 12.7064

Type of gen. func.: ogf

$$-\frac{2 (x + 1)}{x^3 + 2 x^2 + x - 1}$$

Sequence: A218078
Score: 6.01284
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 2 a(n + 1) + a(n), a(0) = 2, a(1) = 4, a(2) = 8\}$$

Sequence: A218078
Score: 6.53822
Type of gen. func.: ogf

$$(3 f(x) - 2) (f(x) x^3 + 2 f(x) x^2 + f(x) x - f(x) + 2 x + 2)$$

Sequence: A218078
Score: 8.86103
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 5 x^2 + 4 x + 2}{x^4 + 3 x^3 + 3 x^2 - 1}$$

Sequence: A218079
Score: 7.72426
Type of gen. func.: ogf

$$\frac{2 (x - 1) (x^4 + 4 x^3 + x^2 - 2 x - 2)}{x^5 + 5 x^4 - 4 x^2 - 2 x + 1}$$

Sequence: A218130
Score: 4.00547
Type of gen. func.: ogf

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        2                                     2
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$$\{(-359 n - 1952 n - 2625) a(n + 1) + (-362 n - 6248 n - 12876) a(n + 2)$$

$$+ (721 n^2 + 1720 n + 999) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 54\}$$

Sequence: A218130
Score: 6.63091
Type of gen. func.: ogf

$$- \frac{6 x^2 (11 x^3 + 47 x^2 + 53 x + 9)}{(x - 1)^7}$$

Sequence: A218130
Score: 8.76753
Type of gen. func.: lgdogf

$$- \frac{44 x^3 + 268 x^2 + 412 x + 116}{11 x^4 + 36 x^3 + 6 x^2 - 44 x - 9}$$

Sequence: A218131
Score: 3.63115
Type of gen. func.: ogf

$$\{(7 n^3 + 40 n^2 + 65 n + 24) a(n + 1) + (116 n^2 + 464 n + 1188) a(n + 2)$$

$$+ (-7 n^3 - 44 n^2 - 81 n - 44) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 240\}$$

Sequence: A218131
Score: 4.41392
Type of gen. func.: ogf

$$- \frac{240 x^2 (x + 1) (x^4 + 17 x^3 + 48 x^2 + 17 x + 1)}{(x - 1)^9}$$

Sequence: A218132
Score: 3.61297

Type of gen. func.: ogf

$$\frac{504 x^2 (x^6 + 29 x^5 + 175 x^4 + 310 x^3 + 175 x^2 + 29 x + 1)}{(x - 1)^{10}}$$

Sequence: A218134
Score: 11.7365
Type of gen. func.: ogf

$$- \frac{(x - 1) (x + 1)}{x^4 - 4 x^3 - 2 x^2 - 4 x + 1}$$

Sequence: A218134
Score: 5.69309
Type of gen. func.: ogf

$$-(1479 f(x) - 128) (f(x) x^4 - 4 f(x) x^3 - 2 f(x) x^2 - 4 f(x) x + x^2 + f(x) - 1)$$

Sequence: A218134
Score: 7.26548
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - 4 x^4 - 4 x^3 + 16 x^2 + 2 x + 4}{x^6 - 4 x^5 - 3 x^4 + 3 x^2 + 4 x - 1}$$

Sequence: A218135
Score: 11.7637
Type of gen. func.: ogf

$$- \frac{(2 x - 1) (2 x + 1)}{16 x^4 - 4 x^3 - 8 x^2 - x + 1}$$

Sequence: A218135
Score: 5.92675
Type of gen. func.: ogf

$$-(57 f(x) - 8) (16 f(x) x^4 - 4 f(x) x^3 - 8 f(x) x^2 - f(x) x + 4 x^2 + f(x) - 1)$$

Sequence: A218135
Score: 6.87082
Type of gen. func.: lgdogf

$$- \frac{-128 x^5 + 16 x^4 + 64 x^3 - 16 x^2 - 8 x - 1}{-64 x^6 + 16 x^5 + 48 x^4 - 12 x^2 - x + 1}$$

Sequence: A218136
Score: 10.9966
Type of gen. func.: ogf

$$- \frac{(2 x - 1) (2 x + 1)}{16 x^4 - 36 x^3 - 8 x^2 - 9 x + 1}$$

Sequence: A218136
Score: 5.41746
Type of gen. func.: ogf

$$-(8857 f(x) - 648)$$

$$(16 f(x) x^4 - 36 f(x) x^3 - 8 f(x) x^2 - 9 f(x) x + 4 x^2 + f(x) - 1)$$

Sequence: A218136
Score: 6.35150
Type of gen. func.: lgdogf

$$- \frac{128 x^5 - 144 x^4 - 64 x^3 + 144 x^2 + 8 x + 9}{64 x^6 - 144 x^5 - 48 x^4 + 12 x^2 + 9 x - 1}$$

Sequence: A218152
Score: 10.6154
Type of gen. func.: ogf

$$\frac{x^3 + 3 x^2 - 2 x + 1}{(x - 1)^4}$$

Sequence: A218152
Score: 10.7551
Type of gen. func.: lgdogf

$$- \frac{x^3 + 9 x^2 + 2}{x^4 + 2 x^3 - 5 x^2 + 3 x - 1}$$

Sequence: A218152
Score: 4.41830
Type of gen. func.: ogf

$$\{(-29 n^2 - 141 n - 166) a(n + 1) + (40 n^2 + 112 n + 4) a(n + 2)$$

$$+ (-11 n^2 - 25 n + 24) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A218152
Score: 5.59853
Type of gen. func.: ogf

$$-(1026 f(x) + 821)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 3 x^2 + f(x) + 2 x - 1)$$

Sequence: A218155
Score: 10.6969
Type of gen. func.: ogf

$$\frac{x^3 + 4 x^2 - x + 2}{(x - 1)^2 (x^2 + 1)}$$

Sequence: A218155

Score: 4.13901
Type of gen. func.: ogf

$$\{(3 n + 10) a(n + 1) + (-3 n - 7) a(n + 2) + (3 n + 10) a(n + 3)$$

$$+ (-3 n - 7) a(n + 4), a(0) = 2, a(1) = 3, a(2) = 6, a(3) = 11\}$$

Sequence: A218155
Score: 5.64152
Type of gen. func.: ogf

$$-(204 f(x) + 1645)$$

$$(f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - x^3 - 2 f(x) x - 4 x^2 + f(x) + x - 2)$$

Sequence: A218171
Score: 3.58860
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{12} - x^{10} + x^8 + x^4 - x + 1}{-x^{13} + x^{12} - x^9 + x^8 - x^5 + x^4 - x + 1}$$

Sequence: A218173
Score: 3.48136
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{12} - x^{11} + x^{10} + x^4 - x^3 + x}{-x^{13} + x^{12} - x^9 + x^8 - x^5 + x^4 - x + 1}$$

Sequence: A218186
Score: 14.9099
Type of gen. func.: ogf

$$f(x)^2 + 6 f(x) x + x^2 - f(x)$$

Sequence: A218189
Score: 5.76699
Type of gen. func.: ogf

$$-\frac{(x+1)^2 (x^2+1)^2}{x^7+x^6+x^5+x^4+x^3+x^2+x-1}$$

Sequence: A218199
Score: 8.08333
Type of gen. func.: ogf

$$-\frac{(x^2+x+1)^2}{x^5+x^4+x^3+x^2+x-1}$$

Sequence: A218200
Score: 4.01422
Type of gen. func.: ogf

$$-\frac{x^8+2x^7+3x^6+2x^5-2x^4-2x^3-5x^2-6x-3}{x^9+x^8+x^7+x^6-2x^5-2x^4-3x^3-3x^2-3x+1}$$

Sequence: A218225
Score: 10.4221
Type of gen. func.: revogf

$$-\frac{x^3+x^2-x}{-x^3-x^2+x+1}$$

Sequence: A218225
Score: 6.27173
Type of gen. func.: ogf

$$f(x)^3 x^3 - x^2 f(x)^3 + f(x)^2 x^2 - f(x)^2 x - f(x) x + f(x) - 1$$

Sequence: A218227
Score: 4.03420

Type of gen. func.: ogf

$$-\frac{x^8+2x^7+3x^6+2x^5+x^4+4x^3+7x^2+6x+3}{x^9+x^8+x^7+x^6+x^5+3x^4+3x^3+3x^2+3x-1}$$

Sequence: A218236
Score: 5.10139
Type of gen. func.: ogf

$$-\frac{3(x+1)^2(x^2+1)^2}{3x^7+3x^6+3x^5+3x^4+3x^3+3x^2+3x-1}$$

Sequence: A218237
Score: 4.59785
Type of gen. func.: ogf

$$-\frac{7(x+1)^2(x^2+1)^2}{7x^7+7x^6+7x^5+7x^4+7x^3+7x^2+7x-1}$$

Sequence: A218238
Score: 3.82976
Type of gen. func.: ogf

$$-\frac{15(x+1)^2(x^2+1)^2}{15x^7+15x^6+15x^5+15x^4+15x^3+15x^2+15x-1}$$

Sequence: A218245
Score: 12.7959
Type of gen. func.: lgdegf]

$$-\frac{-5x^4-20x^3-60x^2-120x-120}{x^5+5x^4+20x^3+60x^2+120x+240}$$

Sequence: A218245
Score: 5.98666
Type of gen. func.: ogf

$$(f(x) - 1) (-x^5 - x^4 - x^3 - x^2 + f(x) - x - 2)$$

Sequence: A218281
Score: 4.59155
Type of gen. func.: ogf

$$- \frac{(x^4 + x^3 + x^2 + x + 1)^2}{x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A218299
Score: 7.84370
Type of gen. func.: revogf

$$- \frac{-4 x^5 + 4 x^3 - x}{16 x^8 + 16 x^7 + 4 x^5 + 8 x^4 + 4 x^3 + x + 1}$$

Sequence: A218313
Score: 6.87785
Type of gen. func.: ogf

$$- \frac{3 (x^2 + x + 1)^2}{3 x^5 + 3 x^4 + 3 x^3 + 3 x^2 + 3 x - 1}$$

Sequence: A218314
Score: 6.22626
Type of gen. func.: ogf

$$- \frac{7 (x^2 + x + 1)^2}{7 x^5 + 7 x^4 + 7 x^3 + 7 x^2 + 7 x - 1}$$

Sequence: A218324
Score: 5.06349
Type of gen. func.: ogf

$$(6152000 f(x) + 675110081) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 17 x^3 - 4 f(x) x - 191 x^2 + f(x) - 111 x - 1)$$

Sequence: A218324
Score: 8.49360
Type of gen. func.: lgdogf

$$- \frac{17 x^3 + 433 x^2 + 715 x + 115}{17 x^4 + 174 x^3 - 80 x^2 - 110 x - 1}$$

Sequence: A218324
Score: 9.63299
Type of gen. func.: ogf

$$\frac{17 x^3 + 191 x^2 + 111 x + 1}{(x - 1)^4}$$

Sequence: A218325
Score: 5.75570
Type of gen. func.: ogf

$$\frac{2 (2 x^7 + 20 x^6 + 23 x^5 + 29 x^4 + 56 x^3 + 17 x^2 + 9 x + 4)}{(x^2 + x + 1)^3 (x - 1)^4}$$

Sequence: A218326
Score: 6.24777
Type of gen. func.: ogf

$$\frac{5 x^6 + 16 x^5 + 159 x^4 + 72 x^3 + 123 x^2 + 8 x + 1}{}$$

$$(x + 1)^3 (x - 1)^4$$

Sequence: A218327
Score: 7.03344
Type of gen. func.: ogf

$$\frac{2 (27 x^4 + 28 x^3 + 102 x^2 + 20 x + 15)}{(x + 1)^3 (x - 1)^4}$$

Sequence: A218328
Score: 4.79151
Type of gen. func.: ogf

$$(3145754528 f(x) + 479906778873) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 25 x^3$$
$$- 4 f(x) x - 271 x^2 + f(x) - 151 x - 1)$$

Sequence: A218328
Score: 8.25771
Type of gen. func.: lgdogf

$$- \frac{25 x^3 + 617 x^2 + 995 x + 155}{25 x^4 + 246 x^3 - 120 x^2 - 150 x - 1}$$

Sequence: A218328
Score: 9.46616
Type of gen. func.: ogf

$$\frac{25 x^3 + 271 x^2 + 151 x + 1}{(x - 1)^4}$$

Sequence: A218329
Score: 5.67594
Type of gen. func.: ogf

$$\frac{2\,(3\,x^7+29\,x^6+33\,x^5+41\,x^4+78\,x^3+23\,x^2+12\,x+5)}{(x^2+x+1)^3\,(x-1)^4}$$

Sequence: A218330
Score: 6.10027
Type of gen. func.: ogf

$$\frac{7\,x^6+22\,x^5+215\,x^4+96\,x^3+161\,x^2+10\,x+1}{(x+1)^3\,(x-1)^4}$$

Sequence: A218331
Score: 6.85543
Type of gen. func.: ogf

$$\frac{2\,(37\,x^4+38\,x^3+136\,x^2+26\,x+19)}{(x+1)^3\,(x-1)^4}$$

Sequence: A218332
Score: 4.23634
Type of gen. func.: ogf

$$(x^{15}-3\,x^{13}-x^{12}-7\,x^{11}-9\,x^{10}+6\,x^9+3\,x^8-x^7+12\,x^6-3\,x^5-3\,x^4+x^3-3\,x^2+1)\Big/\left((x-1)^4\,(x+1)^4\,(x^2+1)^4\right)$$

Sequence: A218348
Score: 7.03955
Type of gen. func.: ogf

$$-\frac{x^4+2\,x^3-2\,x^2-2\,x-3}{x^5+x^4-2\,x^3-2\,x^2-3\,x+1}$$

Sequence: A218376
Score: 4.85143
Type of gen. func.: ogf

$$-\frac{x\,(x^4 + 26\,x^3 + 66\,x^2 + 26\,x + 1)}{(5\,x - 1)\,(x - 1)^6}$$

Sequence: A218395
Score: 10.1232
Type of gen. func.: ogf

$$-\frac{11\,(x - 1)\,(x^2 + 8\,x + 1)}{x^4 - 20\,x^2 + 1}$$

Sequence: A218395
Score: 5.9548
Type of gen. func.: ogf

$$-(35910\,f(x) - 168443)$$

$$(f(x)\,x^4 - 20\,f(x)\,x^2 + 11\,x^3 + 77\,x^2 + f(x) - 77\,x - 11)$$

Sequence: A218420
Score: 7.31294
Type of gen. func.: ogf

$$-\frac{x^4 + 2\,x^3 + x^2 + 4\,x + 3}{x^5 + x^4 + x^3 + 3\,x^2 + 3\,x - 1}$$

Sequence: A218438
Score: 11.1588
Type of gen. func.: ogf

$$-\frac{1}{(x^3 + 2\,x^2 + x - 1)\,(x^3 - x^2 - 1)^2}$$

Sequence: A218438
Score: 7.47329
Type of gen. func.: lgdogf

$$-\frac{9 x^5 + 9 x^4 - 5 x^3 - 14 x^2 - 1}{x^6 + x^5 - x^4 - 3 x^3 - x^2 - x + 1}$$

Sequence: A218439
Score: 7.32383
Type of gen. func.: ogf

$$-\frac{9 x^5 + 9 x^4 - 5 x^3 - 14 x^2 - 1}{(x^3 - x^2 - 1) (x^3 + 2 x^2 + x - 1)}$$

Sequence: A218440
Score: 4.49896
Type of gen. func.: ogf

$$-(1230947226 f(x) + 91187585) \left(f(x) x^4 - 14 f(x) x^3 + 6 f(x) x^2 + x^3 - 14 f(x) x - 14 x^2 + f(x) + 5 x - 10 \right)$$

Sequence: A218440
Score: 8.94237
Type of gen. func.: ogf

$$-\frac{x^3 - 14 x^2 + 5 x - 10}{x^4 - 14 x^3 + 6 x^2 - 14 x + 1}$$

Sequence: A218441
Score: 4.86293
Type of gen. func.: ogf

$$\{(54 n^3 + 243 n^2 + 363 n + 180) a(n + 1) + (-2 n^3 - 15 n^2 - 37 n - 30) a(n + 2)$$

, a(0) = 1, a(1) = 1}

Sequence: A218452
Score: 2.27203
Type of gen. func.: ogf

$$-(f(x) - 2) (f(x) x - f(x) + 1)^2$$

Sequence: A218456
Score: 3.85575
Type of gen. func.: ogf

$$-(8357536368 f(x) + 43300969864655287) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2$$

$$- 20771 x^3 - 4 f(x) x + 54537 x^2 + f(x) - 47411 x + 13633)$$

Sequence: A218456
Score: 7.54566
Type of gen. func.: ogf

$$\frac{20771 x^3 - 54537 x^2 + 47411 x - 13633}{(x - 1)^4}$$

Sequence: A218457
Score: 4.20327
Type of gen. func.: ogf

$$-(48236040432 f(x) + 1478231604375581) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2$$

$$- 16579 x^3 - 4 f(x) x + 45437 x^2 + f(x) - 41735 x + 12841)$$

Sequence: A218458
Score: 3.60696
Type of gen. func.: ogf

$$(847817712 f(x) + 145992837098365) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 14869 x^3$$

$$- 4 f(x) x + 41327 x^2 + f(x) - 38397 x + 11927)$$

Sequence: A218458
Score: 6.78729
Type of gen. func.: ogf

$$\frac{14869 x^3 - 41327 x^2 + 38397 x - 11927}{(x - 1)^4}$$

Sequence: A218470
Score: 14.4465
Type of gen. func.: ogf

$$- \frac{x^9}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^3}$$

Sequence: A218471
Score: 14.2523
Type of gen. func.: ogf

$$- \frac{x (5 x + 2)}{(x - 1)^3}$$

Sequence: A218471
Score: 16.2476
Type of gen. func.: lgdogf

$$- \frac{-10 x - 11}{-5 x^2 + 3 x + 2}$$

Sequence: A218471
Score: 6.82673
Type of gen. func.: ogf

$$-(10535 f(x) - 23517) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 5 x^2 - f(x) + 2 x)$$

Sequence: A218471
Score: 7.25341
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 2, a(2) = 11\}$$

Sequence: A218473
Score: 7.05211
Type of gen. func.: ogf

$$-27 f(x)^3 x + f(x)^3 + 54 f(x)^2 x - f(x)^2 - 36 f(x) x + 8 x$$

Sequence: A218474
Score: 7.05925
Type of gen. func.: ogf

$$-64 f(x)^3 x + f(x)^3 + 144 f(x)^2 x - f(x)^2 - 108 f(x) x + 27 x$$

Sequence: A218475
Score: 6.69716
Type of gen. func.: ogf

$$-125 f(x)^3 x + f(x)^3 + 300 f(x)^2 x - f(x)^2 - 240 f(x) x + 64 x$$

Sequence: A218476
Score: 7.03235
Type of gen. func.: ogf

$$-216 f(x)^3 x + f(x)^3 + 540 f(x)^2 x - f(x)^2 - 450 f(x) x + 125 x$$

Sequence: A218477
Score: 6.53841
Type of gen. func.: ogf

$$-343 f(x)^3 x + f(x)^3 + 882 f(x)^2 x - f(x)^2 - 756 f(x) x + 216 x$$

Sequence: A218478
Score: 6.63409
Type of gen. func.: ogf

$$-512 f(x)^3 x + f(x)^3 + 1344 f(x)^2 x - f(x)^2 - 1176 f(x) x + 343 x$$

Sequence: A218479
Score: 5.99022
Type of gen. func.: ogf

$$-729 f(x)^3 x + f(x)^3 + 1944 f(x)^2 x - f(x)^2 - 1728 f(x) x + 512 x$$

Sequence: A218480
Score: 6.06735
Type of gen. func.: ogf

$$-1000 f(x)^3 x + f(x)^3 + 2700 f(x)^2 x - f(x)^2 - 2430 f(x) x + 729 x$$

Sequence: A218489
Score: 4.61301
Type of gen. func.: ogf

$$-(3 x^{15} - 3 x^{13} + x^{12} - 13 x^{11} + 9 x^{10} + 6 x^9 - 3 x^8 + 5 x^7 - 12 x^6 - 3 x^5 + 3 x^4 - x^3 + 3 x^2 - 1) / ((x - 1)^4 (x + 1)^4 (x^2 + 1)^4)$$

Sequence: A218506
Score: 4.66965
Type of gen. func.: ogf

$$\frac{x^{14} - x^{13} - x^{12} + 2 x^9 - x^6 - x^5 + x^4 - 1}{(x^2 + x + 1) (x^2 + 1)^2 (x + 1)^2 (x - 1)^5}$$

Sequence: A218516
Score: 7.03648
Type of gen. func.: ogf

$$\frac{2\,(x^{4}-2\,x^{3}-4\,x^{2}-6\,x-2)}{x^{5}-4\,x^{4}+3\,x^{2}+6\,x-1}$$

Sequence: A218517
Score: 3.74203
Type of gen. func.: ogf

$$-\frac{2\,(96\,x^{6}+156\,x^{5}-48\,x^{4}-114\,x^{3}-105\,x^{2}-x+8)}{64\,x^{7}+140\,x^{6}-x^{5}-112\,x^{4}-96\,x^{3}-19\,x^{2}+18\,x-1}$$

Sequence: A218530
Score: 12.9587
Type of gen. func.: ogf

$$-\frac{x^{11}}{(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)\,(x-1)^{3}}$$

Sequence: A218540
Score: 5.73426
Type of gen. func.: ogf

$$\{(-27\,n^{2}-9\,n+6)\,a(n)+(n^{2}+3\,n+2)\,a(n+2),\ a(0)=1,\ a(1)=1,$$

$$a(2)=1\}$$

Sequence: A218563
Score: 5.15704
Type of gen. func.: ogf

$$-(1866033353\,f(x)-478277017955)$$

$$(f(x)\,x^{3}-57\,x^{4}-f(x)\,x^{2}-307\,x^{3}-f(x)\,x-22\,x^{2}+f(x)-57\,x-182)$$

Sequence: A218563
Score: 9.70014
Type of gen. func.: ogf

$$\frac{57 x^4 + 307 x^3 + 22 x^2 + 57 x + 182}{(x + 1) (x - 1)^2}$$

Sequence: A218564
Score: 11.8617
Type of gen. func.: ogf

$$\frac{1068 x^2 + 989 x + 1068}{(x + 1) (x - 1)^2}$$

Sequence: A218564
Score: 5.97414
Type of gen. func.: ogf

$$-(259357 f(x) + 5322799169)$$

$$(f(x) x^3 - f(x) x^2 - f(x) x - 1068 x^2 + f(x) - 989 x - 1068)$$

Sequence: A218564
Score: 6.76412
Type of gen. func.: ogf

{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 1068, a(1) = 2057, a(2) = 4193}

Sequence: A218564
Score: 8.70700
Type of gen. func.: lgdogf

$$-\frac{1068 x^3 + 3046 x^2 + 6329 x + 2057}{1068 x^4 + 989 x^3 - 989 x - 1068}$$

```
------------------------------------------------------------------------------

Sequence:  A218565
Score: 11.2744
Type of gen. func.: ogf


                                  2
                            1068 x  + 13489 x + 1068
                            ------------------------
                                               2
                                (x + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A218565
Score: 5.67719
Type of gen. func.: ogf


(114484357 f(x) + 1850361586669)

           3         2                  2
    (f(x) x  - f(x) x  - f(x) x - 1068 x  + f(x) - 13489 x - 1068)



------------------------------------------------------------------------------

Sequence:  A218565
Score: 6.50800
Type of gen. func.: ogf


{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1068, a(1) = 14557, a(2) = 16693

    }



------------------------------------------------------------------------------

Sequence:  A218565
Score: 7.92558
Type of gen. func.: lgdogf


                             3          2
                      -1068 x  - 28046 x  - 18829 x - 14557
                    - -------------------------------------
                             4          3
                      -1068 x  - 13489 x  + 13489 x + 1068



------------------------------------------------------------------------------

Sequence:  A218567
Score: 4.74149
Type of gen. func.: ogf


                            7    6    5      2
                           x  - x  - x  + 2 x  + x + 1
                  - -----------------------------------------
                      2     2   2         2        3        5
                    (x  + 1)  (x  + x + 1)  (x + 1)  (x - 1)
```

Sequence: A218574
Score: 3.97488
Type of gen. func.: ogf

```
-(2180078107 f(x) + 226673114867919)

          3          2                    2
    (f(x) x  - f(x) x  - f(x) x - 32318 x  + f(x) - 13489 x - 32318)
```

Sequence: A218574
Score: 4.76986
Type of gen. func.: ogf

```
{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 32318, a(1) = 45807,

    a(2) = 110443}
```

Sequence: A218574
Score: 8.16756
Type of gen. func.: ogf

```
                                   2
                          32318 x  + 13489 x + 32318
                          --------------------------
                                               2
                               (x + 1) (x - 1)
```

Sequence: A218587
Score: 6.39545
Type of gen. func.: ogf

```
                              4      3    2
                             x  + 4 x  + x  + 8 x + 7
                    - ------------------------------------
                           5      4      3      2
                        3 x  + 3 x  + 3 x  + 7 x  + 7 x - 1
```

Sequence: A218645
Score: 4.47746
Type of gen. func.: ogf

```
                       7    6      5      4      2
                   2 (x  + x  - 2 x  - 7 x  + 3 x  + 4 x + 2)
            ---------------------------------------------------------
             8      7      6      5       4       3      2
```

$$x + 3 x + 2 x - 7 x - 14 x - 12 x - 7 x - 2 x + 1$$

Sequence: A218652
Score: 17.7421
Type of gen. func.: revegf]

$$x - \ln(x^2 + 1)$$

Sequence: A218657
Score: 10.3317
Type of gen. func.: ogf

$$-\frac{3 (x + 1)^2}{3 x^3 + 3 x^2 + 3 x - 1}$$

Sequence: A218657
Score: 5.52836
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 3 a(n + 1) - 3 a(n), a(0) = 3, a(1) = 15, a(2) = 57\}$$

Sequence: A218657
Score: 5.57729
Type of gen. func.: ogf

$$(59 f(x) + 40) (3 f(x) x^3 + 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) + 6 x + 3)$$

Sequence: A218657
Score: 7.87791
Type of gen. func.: lgdogf

$$-\frac{3 x^3 + 9 x^2 + 3 x + 5}{3 x^4 + 6 x^3 + 6 x^2 + 2 x - 1}$$

Sequence: A218658
Score: 5.55555
Type of gen. func.: ogf

$$-\frac{5x^5+5x^4+10x^3-20x^2-27x-5}{5x^6+5x^4-26x^3-11x^2-6x+1}$$

Sequence: A218659
Score: 4.53258
Type of gen. func.: ogf

$$-\frac{9(x-1)(9x^4+18x^3+30x^2+14x+1)}{(9x^3-9x^2-3x-1)(9x^3+9x^2+15x-1)}$$

Sequence: A218664
Score: 4.99741
Type of gen. func.: ogf

$$-(x^{15}-x^{14}-2x^{13}+x^{12}-5x^{11}+10x^{10}+3x^9-3x^8-3x^7-11x^6+3x^4+x^3+2x^2-x-1) / ((x-1)^4 (x+1)^4 (x^2+1)^4)$$

Sequence: A218721
Score: 11.2280
Type of gen. func.: lgdogf

$$-\frac{36x-19}{18x^2-19x+1}$$

Sequence: A218721
Score: 16.6816
Type of gen. func.: ogf

$$\frac{x}{(18x-1)(x-1)}$$

Sequence: A218721
Score: 7.03440
Type of gen. func.: ogf

$$\{a(n + 2) - 19 a(n + 1) + 18 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A218721
Score: 9.5714
Type of gen. func.: ogf

$$-18 f(x) x^2 + 19 f(x) x - f(x) + x$$

Sequence: A218722
Score: 11.3391
Type of gen. func.: lgdogf

$$-\frac{38 x - 20}{19 x^2 - 20 x + 1}$$

Sequence: A218722
Score: 16.8467
Type of gen. func.: ogf

$$\frac{x}{(19 x - 1) (x - 1)}$$

Sequence: A218722
Score: 7.10404
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1) + 19 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A218722
Score: 9.66616
Type of gen. func.: ogf

$$-19 f(x) x^2 + 20 f(x) x - f(x) + x$$

Sequence: A218723
Score: 10.5313
Type of gen. func.: ogf

$$-256 f(x) x^2 + 257 f(x) x - f(x) + x$$

Sequence: A218723
Score: 15.1211
Type of gen. func.: ogf

$$\frac{x}{(256 x - 1) (x - 1)}$$

Sequence: A218723
Score: 6.58213
Type of gen. func.: ogf

$$\{a(n + 2) - 257 a(n + 1) + 256 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A218723
Score: 9.99073
Type of gen. func.: lgdogf

$$-\frac{512 x - 257}{256 x^2 - 257 x + 1}$$

Sequence: A218724
Score: 10.1342
Type of gen. func.: lgdogf

$$-\frac{42 x - 22}{21 x^2 - 22 x + 1}$$

Sequence: A218724
Score: 15.0565
Type of gen. func.: ogf

$$\frac{x}{(21 x - 1) (x - 1)}$$

Sequence: A218724
Score: 6.34912
Type of gen. func.: ogf

$$\{a(n + 2) - 22 a(n + 1) + 21 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A218724
Score: 8.63898
Type of gen. func.: ogf

$$-21 f(x) x^2 + 22 f(x) x - f(x) + x$$

Sequence: A218725
Score: 10.4066
Type of gen. func.: lgdogf

$$- \frac{44 x - 23}{22 x^2 - 23 x + 1}$$

Sequence: A218725
Score: 15.4612
Type of gen. func.: ogf

$$\frac{x}{(22 x - 1) (x - 1)}$$

Sequence: A218725
Score: 6.51980
Type of gen. func.: ogf

$$\{a(n + 2) - 23 a(n + 1) + 22 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A218725
Score: 8.87121
Type of gen. func.: ogf

$$-22 f(x) x^2 + 23 f(x) x - f(x) + x$$

Sequence: A218726
Score: 10.1874
Type of gen. func.: ogf

$$-23 f(x) x^2 + 24 f(x) x - f(x) + x$$

Sequence: A218726
Score: 11.9506
Type of gen. func.: lgdogf

$$-\frac{46 x - 24}{23 x^2 - 24 x + 1}$$

Sequence: A218726
Score: 17.7551
Type of gen. func.: ogf

$$\frac{x}{(23 x - 1) (x - 1)}$$

Sequence: A218726
Score: 7.48711
Type of gen. func.: ogf

$$\{a(n + 2) - 24 a(n + 1) + 23 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A218727
Score: 10.3295
Type of gen. func.: ogf

$$-24 f(x) x^2 + 25 f(x) x - f(x) + x$$

Sequence: A218727
Score: 12.1173
Type of gen. func.: lgdogf

$$-\frac{48 x - 25}{24 x^2 - 25 x + 1}$$

Sequence: A218727
Score: 18.0029
Type of gen. func.: ogf

$$\frac{x}{(24 x - 1) (x - 1)}$$

Sequence: A218727
Score: 7.59158
Type of gen. func.: ogf

$$\{a(n + 2) - 25 a(n + 1) + 24 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A218728
Score: 10.4243
Type of gen. func.: ogf

$$-25 f(x) x^2 + 26 f(x) x - f(x) + x$$

Sequence: A218728
Score: 12.2285
Type of gen. func.: lgdogf

$$-\frac{50 x - 26}{25 x^2 - 26 x + 1}$$

Sequence: A218728
Score: 18.1680
Type of gen. func.: ogf

$$\frac{x}{(25 x - 1) (x - 1)}$$

Sequence: A218728
Score: 7.66122
Type of gen. func.: ogf

$$\{a(n + 2) - 26 a(n + 1) + 25 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A218729
Score: 10.7880
Type of gen. func.: lgdogf

$$- \frac{52 x - 27}{26 x^2 - 27 x + 1}$$

Sequence: A218729
Score: 16.0279
Type of gen. func.: ogf

$$\frac{x}{(26 x - 1) (x - 1)}$$

Sequence: A218729
Score: 6.75875
Type of gen. func.: ogf

$$\{a(n + 2) - 27 a(n + 1) + 26 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A218729
Score: 9.19633
Type of gen. func.: ogf

$$-26 f(x) x^2 + 27 f(x) x - f(x) + x$$

Sequence: A218730

Score: 10.6612
Type of gen. func.: ogf

$$-27 f(x) x^2 + 28 f(x) x - f(x) + x$$

Sequence: A218730
Score: 12.5064
Type of gen. func.: lgdogf

$$-\frac{54 x - 28}{27 x^2 - 28 x + 1}$$

Sequence: A218730
Score: 18.5809
Type of gen. func.: ogf

$$\frac{x}{(27 x - 1) (x - 1)}$$

Sequence: A218730
Score: 7.83534
Type of gen. func.: ogf

$$\{a(n + 2) - 28 a(n + 1) + 27 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A218731
Score: 10.756
Type of gen. func.: ogf

$$-28 f(x) x^2 + 29 f(x) x - f(x) + x$$

Sequence: A218731
Score: 12.6176
Type of gen. func.: lgdogf

$$-\frac{56 x - 29}{28 x^2 - 29 x + 1}$$

Sequence: A218731
Score: 18.7461
Type of gen. func.: ogf

$$\frac{x}{(28 x - 1) (x - 1)}$$

Sequence: A218731
Score: 7.90499
Type of gen. func.: ogf

$$\{a(n + 2) - 29 a(n + 1) + 28 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A218732
Score: 10.8507
Type of gen. func.: ogf

$$-29 f(x) x^2 + 30 f(x) x - f(x) + x$$

Sequence: A218732
Score: 12.7288
Type of gen. func.: lgdogf

$$- \frac{58 x - 30}{29 x^2 - 30 x + 1}$$

Sequence: A218732
Score: 18.9113
Type of gen. func.: ogf

$$\frac{x}{(29 x - 1) (x - 1)}$$

Sequence: A218732
Score: 7.97464
Type of gen. func.: ogf

$$\{a(n + 2) - 30 a(n + 1) + 29 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A218733
Score: 11.1694
Type of gen. func.: lgdogf

$$-\frac{60 x - 31}{30 x^2 - 31 x + 1}$$

Sequence: A218733
Score: 16.5945
Type of gen. func.: ogf

$$\frac{x}{(30 x - 1) (x - 1)}$$

Sequence: A218733
Score: 6.99769
Type of gen. func.: ogf

$$\{a(n + 2) - 31 a(n + 1) + 30 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A218733
Score: 9.52145
Type of gen. func.: ogf

$$-30 f(x) x^2 + 31 f(x) x - f(x) + x$$

Sequence: A218734
Score: 10.8981
Type of gen. func.: ogf

$$-31 f(x) x^2 + 32 f(x) x - f(x) + x$$

Sequence: A218734
Score: 12.7843

Type of gen. func.: lgdogf

$$-\frac{62 x - 32}{31 x^2 - 32 x + 1}$$

Sequence: A218734
Score: 18.9939
Type of gen. func.: ogf

$$\frac{x}{(31 x - 1) (x - 1)}$$

Sequence: A218734
Score: 8.00946
Type of gen. func.: ogf

$$\{a(n + 2) - 32 a(n + 1) + 31 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A218735
Score: 11.9994
Type of gen. func.: ogf

$$-\frac{(x - 1) (5 x^2 + 11 x + 5)}{(x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A218735
Score: 7.42817
Type of gen. func.: ogf

$$(464 f(x) - 755) (f(x) x^4 - 3 f(x) x^2 + 5 x^3 + 6 x^2 + f(x) - 6 x - 5)$$

Sequence: A218736
Score: 10.0240
Type of gen. func.: lgdogf

$$-\frac{66 x - 34}{{}^{2}}$$

$$33 x - 34 x + 1$$

Sequence: A218736
Score: 11.2772
Type of gen. func.: ogf

$$-33 f(x) x^{2} + 34 f(x) x - f(x) + x$$

Sequence: A218736
Score: 14.8928
Type of gen. func.: ogf

$$\frac{x}{(33 x - 1) (x - 1)}$$

Sequence: A218736
Score: 6.28008
Type of gen. func.: ogf

$$\{a(n + 2) - 34 a(n + 1) + 33 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A218737
Score: 10.0240
Type of gen. func.: lgdogf

$$-\frac{68 x - 35}{34 x^{2} - 35 x + 1}$$

Sequence: A218737
Score: 11.2772
Type of gen. func.: ogf

$$-34 f(x) x^{2} + 35 f(x) x - f(x) + x$$

Sequence: A218737
Score: 14.8928
Type of gen. func.: ogf

$$\frac{x}{(34\,x-1)\,(x-1)}$$

Sequence: A218737
Score: 6.28008
Type of gen. func.: ogf

$$\{a(n+2) - 35\,a(n+1) + 34\,a(n),\ a(0) = 0,\ a(1) = 1\}$$

Sequence: A218738
Score: 10.0773
Type of gen. func.: lgdogf

$$-\frac{70\,x-36}{35\,x^2-36\,x+1}$$

Sequence: A218738
Score: 11.372
Type of gen. func.: ogf

$$-35\,f(x)\,x^2 + 36\,f(x)\,x - f(x) + x$$

Sequence: A218738
Score: 14.9720
Type of gen. func.: ogf

$$\frac{x}{(35\,x-1)\,(x-1)}$$

Sequence: A218738
Score: 6.31349
Type of gen. func.: ogf

$$\{a(n+2) - 36\,a(n+1) + 35\,a(n),\ a(0) = 0,\ a(1) = 1\}$$

Sequence: A218739
Score: 10.1839
Type of gen. func.: lgdogf

$$-\frac{72x-37}{36x^2-37x+1}$$

Sequence: A218739
Score: 11.4667
Type of gen. func.: ogf

$$-36 f(x) x^2 + 37 f(x) x - f(x) + x$$

Sequence: A218739
Score: 15.1304
Type of gen. func.: ogf

$$\frac{x}{(36x-1)(x-1)}$$

Sequence: A218739
Score: 6.38030
Type of gen. func.: ogf

$$\{a(n+2) - 37 a(n+1) + 36 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A218740
Score: 10.1839
Type of gen. func.: lgdogf

$$-\frac{74x-38}{37x^2-38x+1}$$

Sequence: A218740
Score: 11.5141
Type of gen. func.: ogf

$$-37 f(x) x^2 + 38 f(x) x - f(x) + x$$

Sequence: A218740
Score: 15.1304
Type of gen. func.: ogf

$$\frac{x}{(37 x - 1) (x - 1)}$$

Sequence: A218740
Score: 6.38030
Type of gen. func.: ogf

$$\{a(n + 2) - 38 a(n + 1) + 37 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A218741
Score: 10.2906
Type of gen. func.: lgdogf

$$- \frac{76 x - 39}{38 x^2 - 39 x + 1}$$

Sequence: A218741
Score: 15.2889
Type of gen. func.: ogf

$$\frac{x}{(38 x - 1) (x - 1)}$$

Sequence: A218741
Score: 6.44711
Type of gen. func.: ogf

$$\{a(n + 2) - 39 a(n + 1) + 38 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A218741
Score: 8.77229
Type of gen. func.: ogf

$$-38 f(x) x^2 + 39 f(x) x - f(x) + x$$

Sequence: A218742
Score: 10.3439
Type of gen. func.: lgdogf

$$-\frac{78 x - 40}{39 x^2 - 40 x + 1}$$

Sequence: A218742
Score: 15.3681
Type of gen. func.: ogf

$$\frac{x}{(39 x - 1) (x - 1)}$$

Sequence: A218742
Score: 6.48051
Type of gen. func.: ogf

$$\{a(n + 2) - 40 a(n + 1) + 39 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A218742
Score: 8.81774
Type of gen. func.: ogf

$$-39 f(x) x^2 + 40 f(x) x - f(x) + x$$

Sequence: A218743
Score: 10.4505
Type of gen. func.: lgdogf

$$-\frac{80 x - 41}{40 x^2 - 41 x + 1}$$

Sequence: A218743
Score: 15.5265
Type of gen. func.: ogf

$$\frac{x}{(40 x - 1) (x - 1)}$$

Sequence: A218743
Score: 6.54733
Type of gen. func.: ogf

$$\{a(n + 2) - 41 a(n + 1) + 40 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A218743
Score: 8.90865
Type of gen. func.: ogf

$$-40 f(x) x^2 + 41 f(x) x - f(x) + x$$

Sequence: A218744
Score: 10.4505
Type of gen. func.: lgdogf

$$-\frac{82 x - 42}{41 x^2 - 42 x + 1}$$

Sequence: A218744
Score: 15.5265
Type of gen. func.: ogf

$$\frac{x}{(41 x - 1) (x - 1)}$$

Sequence: A218744
Score: 6.54733
Type of gen. func.: ogf

$$\{a(n + 2) - 42 a(n + 1) + 41 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A218744
Score: 8.90865
Type of gen. func.: ogf

$$-41 f(x) x^2 + 42 f(x) x - f(x) + x$$

Sequence: A218745
Score: 10.5038
Type of gen. func.: lgdogf

$$-\frac{84 x - 43}{42 x^2 - 43 x + 1}$$

Sequence: A218745
Score: 15.6057
Type of gen. func.: ogf

$$\frac{x}{(42 x - 1) (x - 1)}$$

Sequence: A218745
Score: 6.58072
Type of gen. func.: ogf

$$\{a(n + 2) - 43 a(n + 1) + 42 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A218745
Score: 8.9541
Type of gen. func.: ogf

$$-42 f(x) x^2 + 43 f(x) x - f(x) + x$$

Sequence: A218746
Score: 10.5572
Type of gen. func.: lgdogf

$$-\frac{86 x - 44}{43 x^2 - 44 x + 1}$$

Sequence: A218746
Score: 15.6849
Type of gen. func.: ogf

$$\frac{x}{(43 x - 1) (x - 1)}$$

Sequence: A218746
Score: 6.61413
Type of gen. func.: ogf

$$\{a(n + 2) - 44 a(n + 1) + 43 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A218746
Score: 8.99955
Type of gen. func.: ogf

$$-43 f(x) x^2 + 44 f(x) x - f(x) + x$$

Sequence: A218747
Score: 10.6638
Type of gen. func.: lgdogf

$$-\frac{88 x - 45}{44 x^2 - 45 x + 1}$$

Sequence: A218747
Score: 15.8434
Type of gen. func.: ogf

$$\frac{x}{(44 x - 1) (x - 1)}$$

Sequence: A218747
Score: 6.68094
Type of gen. func.: ogf

$$\{a(n + 2) - 45 a(n + 1) + 44 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A218747
Score: 9.09045
Type of gen. func.: ogf

$$-44 f(x) x^2 + 45 f(x) x - f(x) + x$$

Sequence: A218748
Score: 10.6638
Type of gen. func.: lgdogf

$$-\frac{90 x - 46}{45 x^2 - 46 x + 1}$$

Sequence: A218748
Score: 15.8434
Type of gen. func.: ogf

$$\frac{x}{(45 x - 1) (x - 1)}$$

Sequence: A218748
Score: 6.68094
Type of gen. func.: ogf

$$\{a(n + 2) - 46 a(n + 1) + 45 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A218748
Score: 9.09045
Type of gen. func.: ogf

$$-45 f(x) x^2 + 46 f(x) x - f(x) + x$$

```
------------------------------------------------------------------------------

Sequence:  A218749
Score: 10.6638
Type of gen. func.: lgdogf


                                    92 x - 47
                               - ----------------
                                     2
                                 46 x  - 47 x + 1



------------------------------------------------------------------------------

Sequence:  A218749
Score: 15.8434
Type of gen. func.: ogf


                                       x
                               ------------------
                               (46 x - 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A218749
Score: 6.68094
Type of gen. func.: ogf


             {a(n + 2) - 47 a(n + 1) + 46 a(n), a(0) = 0, a(1) = 1}



------------------------------------------------------------------------------

Sequence:  A218749
Score: 9.09045
Type of gen. func.: ogf


                                 2
                       -46 f(x) x  + 47 f(x) x - f(x) + x



------------------------------------------------------------------------------

Sequence:  A218750
Score: 10.8771
Type of gen. func.: lgdogf


                                    94 x - 48
                               - ----------------
                                     2
                                 47 x  - 48 x + 1



------------------------------------------------------------------------------

Sequence:  A218750
Score: 16.1602
Type of gen. func.: ogf
```

$$\frac{x}{(47 x - 1) (x - 1)}$$

Sequence: A218750
Score: 6.81455
Type of gen. func.: ogf

$$\{a(n + 2) - 48 a(n + 1) + 47 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A218750
Score: 9.27226
Type of gen. func.: ogf

$$-47 f(x) x^2 + 48 f(x) x - f(x) + x$$

Sequence: A218751
Score: 10.8771
Type of gen. func.: lgdogf

$$-\frac{96 x - 49}{48 x^2 - 49 x + 1}$$

Sequence: A218751
Score: 16.1602
Type of gen. func.: ogf

$$\frac{x}{(48 x - 1) (x - 1)}$$

Sequence: A218751
Score: 6.81455
Type of gen. func.: ogf

$$\{a(n + 2) - 49 a(n + 1) + 48 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A218751

Score: 9.27226
Type of gen. func.: ogf

$$-48 f(x) x^2 + 49 f(x) x - f(x) + x$$

Sequence: A218752
Score: 10.7242
Type of gen. func.: lgdogf

$$-\frac{100 x - 51}{50 x^2 - 51 x + 1}$$

Sequence: A218752
Score: 16.2395
Type of gen. func.: ogf

$$\frac{x}{(50 x - 1) (x - 1)}$$

Sequence: A218752
Score: 6.84796
Type of gen. func.: ogf

$$\{a(n + 2) - 51 a(n + 1) + 50 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A218752
Score: 9.31772
Type of gen. func.: ogf

$$-50 f(x) x^2 + 51 f(x) x - f(x) + x$$

Sequence: A218753
Score: 10.8771
Type of gen. func.: lgdogf

$$-\frac{98 x - 50}{49 x^2 - 50 x + 1}$$

Sequence: A218753
Score: 16.1602
Type of gen. func.: ogf

$$\frac{x}{(49 x - 1) (x - 1)}$$

Sequence: A218753
Score: 6.81455
Type of gen. func.: ogf

$$\{a(n + 2) - 50 a(n + 1) + 49 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A218753
Score: 9.27226
Type of gen. func.: ogf

$$-49 f(x) x^2 + 50 f(x) x - f(x) + x$$

Sequence: A218759
Score: 5.88850
Type of gen. func.: ogf

$$-\frac{2 x^6 - 4 x^4 + x^3 - 4 x^2 - 2 x - 2}{2 x^7 - 2 x^6 - 2 x^5 - 3 x^3 - x^2 - 2 x + 1}$$

Sequence: A218804
Score: 5.38661
Type of gen. func.: ogf

$$-\frac{(x^4 + 3) (x + 1)^2}{x^7 + x^6 + x^5 + x^4 + 3 x^3 + 3 x^2 + 3 x - 1}$$

Sequence: A218805

Score: 5.06543
Type of gen. func.: ogf

$$-\frac{(x + 1)(x^5 + 3x^4 + 5x + 7)}{3x^7 + 3x^6 + 3x^5 + 3x^4 + 7x^3 + 7x^2 + 7x - 1}$$

Sequence: A218806
Score: 4.06364
Type of gen. func.: ogf

$$-\frac{3x^6 + 12x^5 - 3x^4 + 4x^3 + 9x^2 + 24x + 15}{9x^7 + 9x^6 + 9x^5 + 9x^4 + 15x^3 + 15x^2 + 15x - 1}$$

Sequence: A218832
Score: 8.70880
Type of gen. func.: ogf

$$-\frac{x(x^4 - 4x^3 + 6x^2 + 8x + 1)}{(x + 1)(x - 1)^5}$$

Sequence: A218836
Score: 11.2698
Type of gen. func.: ogf

$$-\frac{(x + 2)(x + 1)}{x^3 + 3x^2 + 2x - 1}$$

Sequence: A218836
Score: 6.08371
Type of gen. func.: ogf

$$\{-a(n + 3) + 2a(n + 2) + 3a(n + 1) + a(n), a(0) = 2, a(1) = 7, a(2) = 21\}$$

Sequence: A218836
Score: 6.87459

Type of gen. func.: lgdogf

$$-\frac{-x^4 - 6 x^3 - 13 x^2 - 14 x - 7}{-x^5 - 6 x^4 - 13 x^3 - 11 x^2 - x + 2}$$

Sequence: A218836
Score: 7.23564
Type of gen. func.: ogf

$$-(40 f(x) + 23) (f(x) x^3 + 3 f(x) x^2 + 2 f(x) x - f(x) + 1)$$

Sequence: A218837
Score: 10.3879
Type of gen. func.: ogf

$$-\frac{(x + 2)^2}{x^3 + 3 x^2 + 4 x - 1}$$

Sequence: A218837
Score: 5.23689
Type of gen. func.: ogf

$$-(2133 f(x) + 5455) (f(x) x^3 + 3 f(x) x^2 + 4 f(x) x + x^2 - f(x) + 4 x + 4)$$

Sequence: A218837
Score: 5.55845
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) + 3 a(n + 1) + a(n), a(0) = 4, a(1) = 20, a(2) = 93\}$$

Sequence: A218837
Score: 7.72760
Type of gen. func.: lgdogf

$$-\frac{-x^3 - 6 x^2 - 8 x - 10}{}$$

$$-x^4 - 5x^3 - 10x^2 - 7x + 2$$

Sequence: A218838
Score: 5.77453
Type of gen. func.: ogf

$$-\frac{3x^5 - x^4 - 7x^3 + 19x^2 + 8x + 7}{9x^5 - 9x^4 + 24x^3 + 5x^2 + 7x - 1}$$

Sequence: A218843
Score: 5.13477
Type of gen. func.: ogf

$$-\frac{2x^8 - x^6 - 7x^5 - x^4 - 7x^3 - 5x^2 - 5x - 1}{2x^7 - 2x^6 - 2x^5 - 3x^3 - x^2 - 2x + 1}$$

Sequence: A218864
Score: 10.0557
Type of gen. func.: ogf

$$-\frac{x(x^2 + 16x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A218864
Score: 10.7086
Type of gen. func.: lgdogf

$$-\frac{-3x^3 - 65x^2 - 23x - 17}{-x^4 - 16x^3 + 16x + 1}$$

Sequence: A218892
Score: 6.87139
Type of gen. func.: ogf

$$-\frac{2\,(2x^4+9x^3+4x^2-x-2)}{4x^5+8x^4+5x^3-2x^2-4x+1}$$

Sequence: A218898
Score: 9.95549
Type of gen. func.: ogf

$$-\frac{2\,(x^4+x^3-x-2)}{2x^5-3x^2-x+1}$$

Sequence: A218913
Score: 2.36977
Type of gen. func.: ogf

$$(2\,f(x)\,x-f(x)-x+1)^3$$

Sequence: A218955
Score: 3.50079
Type of gen. func.: ogf

$$-(f(x)\,x-f(x)+1)^3$$

Sequence: A218960
Score: 3.75333
Type of gen. func.: ogf

$$(f(x)\,x-f(x)+1)^3$$

Sequence: A218984
Score: 12.0870
Type of gen. func.: ogf

$$-\frac{2x^2+3x-4}{\quad^2}$$

$$(x - 1) (2 x + 4 x - 1)$$

Sequence: A218984
Score: 6.09346
Type of gen. func.: ogf

$$-(2821 f(x) - 1312) (2 f(x) x^3 + 2 f(x) x^2 - 5 f(x) x + 2 x^2 + f(x) + 3 x - 4)$$

Sequence: A218984
Score: 6.46761
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 2 a(n + 1) + 2 a(n), a(0) = 4, a(1) = 17, a(2) = 75\}$$

Sequence: A218984
Score: 7.15833
Type of gen. func.: lgdogf

$$- \frac{-4 x^4 - 12 x^3 + 8 x^2 + 20 x - 17}{-4 x^5 - 10 x^4 + 12 x^3 + 21 x^2 - 23 x + 4}$$

Sequence: A218985
Score: 12.2433
Type of gen. func.: ogf

$$- \frac{2 x^2 + 2 x - 5}{(x - 1) (2 x^2 + 4 x - 1)}$$

Sequence: A218985
Score: 6.22369
Type of gen. func.: ogf

$$-(1349 f(x) - 531) (2 f(x) x^3 + 2 f(x) x^2 - 5 f(x) x + 2 x^2 + f(x) + 2 x - 5)$$

Sequence: A218985
Score: 6.49428
Type of gen. func.: ogf

$\{a(n + 3) - 5 a(n + 2) + 2 a(n + 1) + 2 a(n), a(0) = 5, a(1) = 23, a(2) = 103\}$

Sequence: A218985
Score: 7.32198
Type of gen. func.: lgdogf

$$- \frac{-4 x^4 - 8 x^3 + 16 x^2 + 24 x - 23}{-4 x^5 - 8 x^4 + 16 x^3 + 18 x^2 - 27 x + 5}$$

Sequence: A218986
Score: 12.2433
Type of gen. func.: ogf

$$- \frac{3 x^2 + 2 x - 4}{(x - 1) (3 x^2 + 4 x - 1)}$$

Sequence: A218986
Score: 6.32917
Type of gen. func.: ogf

$$(13573 f(x) - 7101) (3 f(x) x^3 + f(x) x^2 - 5 f(x) x + 3 x^2 + f(x) + 2 x - 4)$$

Sequence: A218986
Score: 6.55125
Type of gen. func.: ogf

$\{-a(n + 3) + 5 a(n + 2) - a(n + 1) - 3 a(n), a(0) = 4, a(1) = 18, a(2) = 83\}$

Sequence: A218986
Score: 7.25089
Type of gen. func.: lgdogf

$$-9 x^4 - 12 x^3 + 19 x^2 + 14 x - 18$$

```
- ---------------------------------------
     5      4       3       2
-9 x  - 9 x  + 25 x  + 11 x  - 22 x + 4
```

Sequence: A218987
Score: 11.5653
Type of gen. func.: ogf

$$-\frac{3x^2+x-5}{(x-1)(3x^2+4x-1)}$$

Sequence: A218987
Score: 5.87905
Type of gen. func.: ogf

$$-(1489 f(x) - 885) (3 f(x) x^3 + f(x) x^2 - 5 f(x) x + 3 x^2 + f(x) + x - 5)$$

Sequence: A218987
Score: 6.13465
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + a(n + 1) + 3 a(n), a(0) = 5, a(1) = 24, a(2) = 112\}$$

Sequence: A218987
Score: 6.98500
Type of gen. func.: lgdogf

$$-\frac{-9x^4-6x^3+29x^2+16x-24}{-9x^5-6x^4+29x^3+7x^2-26x+5}$$

Sequence: A218988
Score: 13.2519
Type of gen. func.: ogf

$$-\frac{4x^2+x-4}{(x-1)(4x^2+4x-1)}$$

Sequence: A218988
Score: 6.88578
Type of gen. func.: lgdogf

$$-\frac{-16\,x^4 - 8\,x^3 + 28\,x^2 + 8\,x - 19}{-16\,x^5 - 4\,x^4 + 36\,x^3 + x^2 - 21\,x + 4}$$

Sequence: A218988
Score: 7.31615
Type of gen. func.: ogf

$$\{-a(n + 3) + 5\,a(n + 2) - 4\,a(n),\ a(0) = 4,\ a(1) = 19,\ a(2) = 91\}$$

Sequence: A218988
Score: 7.39317
Type of gen. func.: ogf

$$(91\,f(x) - 74)\,(4\,f(x)\,x^3 - 5\,f(x)\,x + 4\,x^2 + f(x) + x - 4)$$

Sequence: A218989
Score: 14.5256
Type of gen. func.: ogf

$$-\frac{4\,x^2 - 5}{(x - 1)\,(4\,x^2 + 4\,x - 1)}$$

Sequence: A218989
Score: 7.33769
Type of gen. func.: ogf

$$\{a(n + 3) - 5\,a(n + 2) + 4\,a(n),\ a(0) = 5,\ a(1) = 25,\ a(2) = 121\}$$

Sequence: A218989
Score: 7.73649

Type of gen. func.: ogf

$$(75 f(x) - 121) (4 f(x) x^3 - 5 f(x) x + 4 x^2 + f(x) - 5)$$

Sequence: A218989
Score: 8.27623
Type of gen. func.: lgdogf

$$- \frac{-16 x^4 + 40 x^2 + 8 x - 25}{-16 x^5 + 40 x^3 - 4 x^2 - 25 x + 5}$$

Sequence: A218990
Score: 11.6547
Type of gen. func.: ogf

$$- \frac{x^2 - 4 x - 6}{(x + 1) (x^2 - 6 x + 1)}$$

Sequence: A218990
Score: 5.9245
Type of gen. func.: ogf

$$(262001 f(x) + 34599) (f(x) x^3 - 5 f(x) x^2 - 5 f(x) x + x^2 + f(x) - 4 x - 6)$$

Sequence: A218990
Score: 6.18208
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) - 5 a(n + 1) + a(n), a(0) = 6, a(1) = 34, a(2) = 199\}$$

Sequence: A218990
Score: 7.10939
Type of gen. func.: lgdogf

$$- \frac{-x^4 + 8 x^3 - 7 x^2 - 58 x - 34}{}$$

$$-x^5 + 9x^4 - 9x^3 - 51x^2 - 26x + 6$$

Sequence: A218991
Score: 4.90211
Type of gen. func.: ogf

$$-(7445 f(x) - 1487) (f(x) x^3 + 5 f(x) x^2 - 7 f(x) x + x^2 + f(x) + 6 x - 6)$$

Sequence: A218991
Score: 5.15787
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 5 a(n + 1) + a(n), a(0) = 6, a(1) = 36, a(2) = 221\}$$

Sequence: A218991
Score: 9.72385
Type of gen. func.: ogf

$$-\frac{x^2 + 6 x - 6}{(x - 1) (x^2 + 6 x - 1)}$$

Sequence: A218992
Score: 4.91104
Type of gen. func.: ogf

$$-(35359 f(x) - 5649) (f(x) x^3 + 5 f(x) x^2 - 7 f(x) x + x^2 + f(x) + 5 x - 7)$$

Sequence: A218992
Score: 5.20997
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 5 a(n + 1) + a(n), a(0) = 7, a(1) = 44, a(2) = 272\}$$

Sequence: A218992
Score: 9.82207
Type of gen. func.: ogf

$$-\frac{x^2 + 5 x - 7}{(x - 1) (x^2 + 6 x - 1)}$$

Sequence: A218997
Score: 6.25578
Type of gen. func.: ogf

$$-\frac{2 (36 x^4 + 54 x^3 + 42 x^2 + 15 x + 2)}{72 x^5 + 63 x^4 + 66 x^3 + 15 x^2 + 4 x - 1}$$

Sequence: A219003
Score: 10.9929
Type of gen. func.: ogf

$$-\frac{(3 x + 1)^2}{9 x^3 - 3 x^2 + 4 x - 1}$$

Sequence: A219003
Score: 5.78077
Type of gen. func.: ogf

$$-(7 f(x) + 19) (9 f(x) x^3 - 3 f(x) x^2 + 4 f(x) x + 9 x^2 - f(x) + 6 x + 1)$$

Sequence: A219003
Score: 5.88218
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 3 a(n + 1) - 9 a(n), a(0) = 1, a(1) = 10, a(2) = 46\}$$

Sequence: A219003
Score: 8.70869
Type of gen. func.: lgdogf

3   2

$$-\frac{27 x + 27 x - 18 x + 10}{27 x^4 + 9 x^2 + x - 1}$$

Sequence: A219004
Score: 5.43293
Type of gen. func.: ogf

$$-\frac{15 x^5 + 32 x^4 - 28 x^3 - 79 x^2 - 29 x - 1}{15 x^6 + 17 x^5 - 45 x^4 - 49 x^3 + 3 x^2 - 7 x + 1}$$

Sequence: A219020
Score: 10.5543
Type of gen. func.: ogf

$$-\frac{x^2 - 4 x + 1}{(x - 1) (x^2 - 7 x + 1) (x^2 - 3 x + 1)}$$

Sequence: A219021
Score: 10.2987
Type of gen. func.: ogf

$$-\frac{x^2 - 6 x + 1}{(x - 1) (x^2 - 14 x + 1) (x^2 - 4 x + 1)}$$

Sequence: A219054
Score: 11.6789
Type of gen. func.: ogf

$$\frac{x^2 + 5 x + 2}{(x - 1)^4}$$

Sequence: A219054
Score: 12.2098

Type of gen. func.: lgdogf

$$-\frac{2x^2+17x+13}{x^3+4x^2-3x-2}$$

Sequence: A219054
Score: 4.02922
Type of gen. func.: ogf

$$\{(2n+8)\,a(n+4)+(-4+3n)\,a(n+3)+(-25-4n)\,a(n+2)$$
$$+(-n-3)\,a(n+1),\ a(0)=2,\ a(1)=13,\ a(2)=41,\ a(3)=94\}$$

Sequence: A219054
Score: 5.63528
Type of gen. func.: ogf

$$(15648768\,f(x)+67671785)$$
$$(f(x)\,x^4-4\,f(x)\,x^3+6\,f(x)\,x^2-4\,f(x)\,x-x^2+f(x)-5x-2)$$

Sequence: A219056
Score: 10.3890
Type of gen. func.: lgdogf

$$-\frac{2x^3+36x^2+66x+16}{x^4+10x^3-10x-1}$$

Sequence: A219056
Score: 4.44419
Type of gen. func.: ogf

$$\{(-4n^2-17n-18)\,a(n+1)+(8n^2+32n+72)\,a(n+2)$$
$$+(-4n^2-15n-14)\,a(n+3),\ a(0)=0,\ a(1)=3,\ a(2)=48\}$$

Sequence: A219056

Score: 8.60166
Type of gen. func.: ogf

$$-\frac{3 x (x + 1) (x^2 + 10 x + 1)}{(x - 1)^5}$$

Sequence: A219070
Score: 7.08759
Type of gen. func.: ogf

$$\frac{x (x^4 + 31 x^3 + 98 x^2 + 51 x + 3)}{(x - 1)^6}$$

Sequence: A219070
Score: 7.42192
Type of gen. func.: lgdogf

$$-\frac{-2 x^4 - 97 x^3 - 485 x^2 - 451 x - 69}{-x^5 - 30 x^4 - 67 x^3 + 47 x^2 + 48 x + 3}$$

Sequence: A219073
Score: 4.28482
Type of gen. func.: ogf

$$-\frac{3 x^6 + 54 x^5 - 15 x^4 - 12 x^3 - 47 x^2 - 22 x - 5}{3 x^7 + 33 x^6 - 27 x^5 - 7 x^4 - 51 x^3 - 11 x^2 - 5 x + 1}$$

Sequence: A219079
Score: 4.38281
Type of gen. func.: ogf

$$(141721183 f(x) - 16036134) ($$

$$6 f(x) x^4 + 7 f(x) x^3 + f(x) x^2 + 6 x^3 + 3 f(x) x + 13 x^2 - f(x) + 8 x + 1)$$

Sequence: A219079
Score: 8.59704
Type of gen. func.: ogf

$$-\frac{(6x+1)(x+1)^2}{6x^4+7x^3+x^2+3x-1}$$

Sequence: A219080
Score: 4.27489
Type of gen. func.: ogf

$$-\frac{10x^6+11x^5+21x^4-48x^3-86x^2-35x-1}{10x^7+x^6+10x^5-61x^4-46x^3-5x^2-6x+1}$$

Sequence: A219085
Score: 5.96464
Type of gen. func.: ogf

$$\frac{x(x^5+x^4+7x^3+6x^2+6x+3)}{(x^2+1)(x+1)(x-1)^4}$$

Sequence: A219086
Score: 10.1764
Type of gen. func.: lgdogf

$$-\frac{15x^2+66x+39}{5x^3+9x^2-9x-5}$$

Sequence: A219086
Score: 8.11689
Type of gen. func.: ogf

$$-\frac{x(5x^2+14x+5)}{5}$$

$$(x - 1)$$

Sequence: A219100
Score: 7.14206
Type of gen. func.: ogf

$$-\frac{x^4 - 2x^3 + 2x^2 + 3x + 2}{x^5 - 3x^4 + 5x^3 - 2x^2 + 4x - 1}$$

Sequence: A219113
Score: 4.92177
Type of gen. func.: ogf

$$(51337691 f(x) - 112206)$$

$$(f(x) x^3 - 99 f(x) x^2 + 99 f(x) x + x^2 - f(x) - 38 x + 1)$$

Sequence: A219113
Score: 5.25545
Type of gen. func.: ogf

$$\{-a(n + 3) + 99 a(n + 2) - 99 a(n + 1) + a(n), a(0) = 1, a(1) = 61, a(2) = 5941\}$$

Sequence: A219113
Score: 5.48799
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 76x^3 - 3666x^2 + 196x - 61}{-x^5 + 137x^4 - 3862x^3 + 3862x^2 - 137x + 1}$$

Sequence: A219113
Score: 9.68973
Type of gen. func.: ogf

$$-\frac{x^2 - 38x + 1}{}$$

$$(x-1)(x^2-98x+1)$$

Sequence: A219129
Score: 4.77884
Type of gen. func.: ogf

$$-\frac{4x^7+10x^6+6x^4+5x^3-3x^2+3x-9}{4x^8+6x^7-6x^6+10x^5-7x^4+6x^3-6x^2-2x+1}$$

Sequence: A219136
Score: 5.91839
Type of gen. func.: ogf

$$-\frac{4x^5+4x^4-3x^3-4x^2-2x-2}{(2x^2+1)(2x^4+x^3-3x^2-2x+1)}$$

Sequence: A219137
Score: 4.39966
Type of gen. func.: ogf

$$-\frac{4x^7+6x^6-12x^5-20x^4-3x^3+2x^2+2x+4}{4x^8+2x^7-10x^6-12x^5+x^3+x^2+4x-1}$$

Sequence: A219143
Score: 4.93563
Type of gen. func.: ogf

$$(5f(x)-98)(2f(x)x^4-f(x)x^3+4x^4+f(x)x^2-2x^3+2f(x)x+5x^2-f(x)+4x+1)$$

Sequence: A219143
Score: 8.47767
Type of gen. func.: ogf

$$-\frac{4x^4 - 2x^3 + 5x^2 + 4x + 1}{2x^4 - x^3 + x^2 + 2x - 1}$$

Sequence: A219150
Score: 10.0172
Type of gen. func.: ogf

$$\frac{x^3 - 3x^2 - 2}{x^5 + 4x^3 - x^2 + 2x - 1}$$

Sequence: A219151
Score: 3.63998
Type of gen. func.: ogf

$$-\frac{3x^8 - 2x^7 - 3x^6 + 16x^5 - 18x^4 + 26x^3 - 20x^2 + 7x - 4}{(x^2 - x + 1)(4x^8 + 7x^7 - 3x^6 - x^5 - 9x^4 - 9x^3 + 2x^2 - 3x + 1)}$$

Sequence: A219167
Score: 7.36168
Type of gen. func.: ogf

$$\frac{x^5 - 13x^4 + 22x^3 - 18x^2 + 8x - 3}{(x - 1)^5}$$

Sequence: A219190
Score: 10.1906
Type of gen. func.: ogf

$$-\frac{2x(2x^2 + x + 2)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A219190

Score: 11.3073
Type of gen. func.: lgdogf

$$-\frac{6x^3+6x^2+15x+3}{2x^4+x^3-x-2}$$

Sequence: A219191
Score: 11.0303
Type of gen. func.: lgdogf

$$-\frac{-9x^3-7x^2-22x-4}{-3x^4-x^3+x+3}$$

Sequence: A219191
Score: 9.94086
Type of gen. func.: ogf

$$-\frac{2x(3x^2+x+3)}{(x+1)^2(x-1)^3}$$

Sequence: A219205
Score: 10.0676
Type of gen. func.: ogf

$$-27 f(x) x^2 + 12 f(x) x - f(x) + 2 x$$

Sequence: A219205
Score: 11.8101
Type of gen. func.: lgdogf

$$-\frac{54x-12}{27x^2-12x+1}$$

Sequence: A219205

Score: 15.7468
Type of gen. func.: ogf

$$\frac{2 x}{(9 x - 1) (3 x - 1)}$$

Sequence: A219205
Score: 7.39910
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 27 a(n), a(0) = 0, a(1) = 2\}$$

Sequence: A219211
Score: 6.29023
Type of gen. func.: ogf

$$\frac{x^7 - 4 x^6 + 8 x^5 - 16 x^4 + 23 x^3 - 22 x^2 + 12 x - 3}{(x - 1)^5}$$

Sequence: A219222
Score: 4.56042
Type of gen. func.: ogf

$$- (2 x^{16} + 28 x^{15} + 20 x^{14} + 33 x^{13} + 40 x^{12} + 26 x^{11} + 32 x^{10} + 32 x^9 + 37 x^8 + 32 x^7 + 25 x^6 + 20 x^5 + 13 x^4 + 10 x^3 + 8 x^2 + 5 x + 2) \Big/ (4 x^9 - 1)$$

Sequence: A219233
Score: 11.4172
Type of gen. func.: lgdogf

$$- \frac{3 x^2 + 4 x + 3}{-x^4 - 3 x^3 + 3 x + 1}$$

Sequence: A219233
Score: 14.9123

Type of gen. func.: ogf

$$-\frac{(x-1)(x+1)}{x^{2}+3x+1}$$

Sequence: A219233
Score: 7.16376
Type of gen. func.: ogf

$$\{-a(n+3)-3a(n+2)-a(n+1),\ a(0)=1,\ a(1)=-3,\ a(2)=7\}$$

Sequence: A219233
Score: 8.11892
Type of gen. func.: ogf

$$(80 f(x)+1)(f(x)x^{2}+3 f(x) x+x^{2}+f(x)-1)$$

Sequence: A219257
Score: 10.6386
Type of gen. func.: lgdogf

$$-\frac{27x^{3}+25x^{2}+67x+13}{9x^{4}+4x^{3}-4x-9}$$

Sequence: A219257
Score: 9.98188
Type of gen. func.: ogf

$$-\frac{x(9x^{2}+4x+9)}{(x+1)^{2}(x-1)^{3}}$$

Sequence: A219258
Score: 10.4081
Type of gen. func.: lgdogf

3 2

```
   -75 x  - 41 x  - 179 x - 29
 - ---------------------------
          4      3
    -25 x  - 4 x  + 4 x + 25
```

```
-------------------------------------------------------------------------------

Sequence:  A219258
Score: 9.90649
Type of gen. func.: ogf

                  2
         x (25 x  + 4 x + 25)
       - --------------------
                   2       3
           (x + 1)  (x - 1)

-------------------------------------------------------------------------------

Sequence:  A219259
Score: 10.3117
Type of gen. func.: lgdogf

            3       2
   -69 x  - 39 x  - 165 x - 27
 - ---------------------------
          4      3
    -23 x  - 4 x  + 4 x + 23

-------------------------------------------------------------------------------

Sequence:  A219259
Score: 9.81476
Type of gen. func.: ogf

                  2
         x (23 x  + 4 x + 23)
       - --------------------
                   2       3
           (x + 1)  (x - 1)

-------------------------------------------------------------------------------

Sequence:  A219286
Score: 6.76295
Type of gen. func.: ogf

 6      5       4       3       2
x  + 2 x  - 14 x  + 23 x  - 19 x  + 9 x - 3
-------------------------------------------
                          5
                   (x - 1)

-------------------------------------------------------------------------------

Sequence:  A219293
Score: 6.88809
```

Type of gen. func.: ogf

$$\frac{2 x^{6} - 5 x^{5} - 2 x^{4} + 10 x^{3} - 12 x^{2} + 8 x - 3}{(x - 1)^{5}}$$

Sequence: A219312
Score: 5.93075
Type of gen. func.: ogf

$$-4 f(x)^{2} x^{3} + 10 f(x)^{2} x^{2} - 7 f(x)^{2} x + 4 f(x) x^{2} + f(x)^{2} - 5 f(x) x + f(x) - x$$

Sequence: A219314
Score: 5.94864
Type of gen. func.: ogf

$$-4 f(x)^{2} x^{3} - 6 f(x)^{2} x^{2} - f(x)^{2} x - 2 f(x) x^{2} + f(x)^{2} - f(x) x + f(x) - x$$

Sequence: A219349
Score: 6.41177
Type of gen. func.: ogf

$$\frac{x^{7} - 3 x^{6} + 7 x^{5} - 17 x^{4} + 25 x^{3} - 23 x^{2} + 12 x - 3}{(x - 1)^{5}}$$

Sequence: A219355
Score: 9.27239
Type of gen. func.: ogf

$$\frac{x (2 x^{7} + 5 x^{6} + 8 x^{5} + 2 x^{4} - 6 x^{3} + 2 x + 1)}{(x^{3} + x^{2} + x - 1)^{2}}$$

Sequence: A219367
Score: 3.95373
Type of gen. func.: ogf

$$(6 x^9 - 25 x^8 + 84 x^7 - 219 x^6 + 353 x^5 - 349 x^4 + 215 x^3 - 87 x^2 + 23 x - 4) \Big/ (x - 1)^9$$

Sequence: A219382
Score: 5.42550
Type of gen. func.: ogf

$$- \frac{x^9 - 6 x^8 + 13 x^7 - 14 x^6 + 5 x^5 + 15 x^4 - 35 x^3 + 39 x^2 - 23 x + 6}{(x - 1)^5}$$

Sequence: A219389
Score: 10.5632
Type of gen. func.: lgdogf

$$- \frac{33 x^3 + 27 x^2 + 81 x + 15}{11 x^4 + 4 x^3 - 4 x - 11}$$

Sequence: A219389
Score: 9.92689
Type of gen. func.: ogf

$$- \frac{x (11 x^2 + 4 x + 11)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A219390
Score: 10.6378
Type of gen. func.: lgdogf

$$- \frac{-9 x^3 - 7 x^2 - 22 x - 4}{-3 x^4 - x^3 + x + 3}$$

Sequence: A219390
Score: 9.35613
Type of gen. func.: ogf

$$-\frac{4x(3x^2+x+3)}{(x+1)^2(x-1)^3}$$

Sequence: A219391
Score: 7.24574
Type of gen. func.: ogf

$$-\frac{x(3x^6+5x^5+11x^4+4x^3+11x^2+5x+3)}{(x+1)^2(x^2+1)^2(x-1)^3}$$

Sequence: A219392
Score: 10.8027
Type of gen. func.: lgdogf

$$-\frac{-15x^3-9x^2-36x-6}{-5x^4-x^3+x+5}$$

Sequence: A219392
Score: 9.63131
Type of gen. func.: ogf

$$-\frac{4x(5x^2+x+5)}{(x+1)^2(x-1)^3}$$

Sequence: A219393
Score: 10.3908
Type of gen. func.: ogf

$$-\frac{x(21x^2+4x+21)}{(x+1)^2(x-1)^3}$$

Sequence: A219393
Score: 10.9169
Type of gen. func.: lgdogf

$$-\frac{-63 x^3 - 37 x^2 - 151 x - 25}{-21 x^4 - 4 x^3 + 4 x + 21}$$

Sequence: A219394
Score: 10.2259
Type of gen. func.: lgdogf

$$-\frac{-45 x^3 - 31 x^2 - 109 x - 19}{-15 x^4 - 4 x^3 + 4 x + 15}$$

Sequence: A219394
Score: 9.73305
Type of gen. func.: ogf

$$-\frac{x (15 x^2 + 4 x + 15)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A219395
Score: 10.0197
Type of gen. func.: ogf

$$-\frac{4 x (4 x^2 + x + 4)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A219395
Score: 11.2383
Type of gen. func.: lgdogf

3   2

$$-\frac{-12 x - 8 x - 29 x - 5}{-4 x^{4} - x^{3} + x + 4}$$

Sequence: A219396
Score: 9.44786
Type of gen. func.: ogf

$$-\frac{x (17 x^{2} + 4 x + 17)}{(x + 1)^{2} (x - 1)^{3}}$$

Sequence: A219396
Score: 9.92623
Type of gen. func.: lgdogf

$$-\frac{-51 x^{3} - 33 x^{2} - 123 x - 21}{-17 x^{4} - 4 x^{3} + 4 x + 17}$$

Sequence: A219398
Score: 4.76558
Type of gen. func.: ogf

$$\frac{2 x^{7} + 7 x^{6} - 7 x^{5} - 3 x^{4} - 9 x^{3} + 12 x^{2} - 8 x + 4}{2 x^{7} + 5 x^{6} - 2 x^{5} - 4 x^{4} - 3 x^{3} + 2 x^{2} - 3 x + 1}$$

Sequence: A219405
Score: 5.06002
Type of gen. func.: ogf

$$(3587 f(x) - 1731) (9 f(x) x^{3} + 15 f(x) x^{2} + 4 f(x) x + 9 x^{2} - f(x) + 12 x + 4)$$

Sequence: A219405
Score: 5.19088
Type of gen. func.: ogf

{a(n + 3) - 4 a(n + 2) - 15 a(n + 1) - 9 a(n), a(0) = 4, a(1) = 28, a(2) = 181}

Sequence: A219405
Score: 6.92117
Type of gen. func.: lgdogf

$$-\frac{-27 x^3 - 54 x^2 - 48 x - 14}{-27 x^4 - 63 x^3 - 42 x^2 - 5 x + 2}$$

Sequence: A219405
Score: 9.55781
Type of gen. func.: ogf

$$-\frac{(3 x + 2)^2}{9 x^3 + 15 x^2 + 4 x - 1}$$

Sequence: A219406
Score: 4.57123
Type of gen. func.: ogf

$$-\frac{(2 x + 1) (6 x^4 + 2 x^3 - 44 x^2 - 35 x - 7)}{4 x^6 + 11 x^5 - 27 x^4 - 96 x^3 - 57 x^2 - 7 x + 1}$$

Sequence: A219411
Score: 6.80034
Type of gen. func.: ogf

$$-\frac{4 x^4 + x^3 + 3 x^2 + 3 x + 1}{(x^2 - x + 1) (4 x^3 + x^2 + 3 x - 1)}$$

Sequence: A219422
Score: 5.21296
Type of gen. func.: ogf

$$-\frac{2x^7+9x^6+9x^5-x^4-7x^3-5x^2-5x-1}{(2x^2+1)(2x^4+x^3-3x^2-2x+1)}$$

Sequence: A219462
Score: 11.6883
Type of gen. func.: ogf

$$-25 f(x) x^2 + 15 f(x) x - f(x) + 5 x$$

Sequence: A219462
Score: 13.7112
Type of gen. func.: lgdogf

$$-\frac{50 x - 15}{25 x^2 - 15 x + 1}$$

Sequence: A219462
Score: 18.2816
Type of gen. func.: ogf

$$\frac{5 x}{25 x^2 - 15 x + 1}$$

Sequence: A219462
Score: 8.59017
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1) + 25 a(n), a(0) = 0, a(1) = 5\}$$

Sequence: A219465
Score: 4.57150
Type of gen. func.: ogf

$$\frac{x^7 + 2 x^6 - 10 x^5 + 8 x^4 + 7 x^3 - 19 x^2 + 13 x - 4}{(x - 1)^9}$$

Sequence: A219472
Score: 3.51654
Type of gen. func.: ogf

$$(7 x^{11} - 49 x^{10} + 129 x^9 - 124 x^8 - 35 x^7 + 91 x^6 + 153 x^5 - 424 x^4 + 413 x^3 - 221 x^2 + 67 x - 10) / (x - 1)^9$$

Sequence: A219498
Score: 8.49486
Type of gen. func.: ogf

$$\frac{x^5 + 2 x^4 - 11 x^3 + 14 x^2 - 9 x + 4}{(x - 1)^4}$$

Sequence: A219499
Score: 6.73622
Type of gen. func.: ogf

$$\frac{3 x^6 - 4 x^5 - 12 x^4 + 32 x^3 - 31 x^2 + 16 x - 5}{(x - 1)^5}$$

Sequence: A219500
Score: 5.72860
Type of gen. func.: ogf

$$\frac{x^8 + x^7 - 10 x^6 + 46 x^4 - 77 x^3 + 59 x^2 - 25 x + 6}{(x - 1)^6}$$

Sequence: A219501
Score: 4.50591
Type of gen. func.: ogf

$$\frac{3 x^{9} - 8 x^{8} - 2 x^{7} + 13 x^{6} + 38 x^{5} - 134 x^{4} + 161 x^{3} - 101 x^{2} + 36 x - 7}{(x - 1)^{7}}$$

Sequence: A219514
Score: 6.34024
Type of gen. func.: ogf

$$\frac{2 x^{7} - 5 x^{6} + 9 x^{5} - 17 x^{4} + 23 x^{3} - 21 x^{2} + 11 x - 3}{(x - 1)^{5}}$$

Sequence: A219520
Score: 6.31005
Type of gen. func.: ogf

$$- \frac{x^{8} - 4 x^{7} + 11 x^{5} - 7 x^{4} - 11 x^{3} + 21 x^{2} - 14 x + 4}{(x - 1)^{5}}$$

Sequence: A219527
Score: 6.54950
Type of gen. func.: ogf

$$\frac{x^{5} - x^{4} - 2 x^{3} + 4 x^{2} + x + 1}{(x + 1)^{2} (x - 1)^{4}}$$

Sequence: A219529
Score: 11.0265
Type of gen. func.: ogf

$$\frac{(x + 1)^{4}}{(x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A219529

Score: 13.2662
Type of gen. func.: lgdogf

$$-\frac{-5x^2-2x-5}{-x^4-x^3+x+1}$$

Sequence: A219529
Score: 33.8130
Type of gen. func.: ogf_with_Euler_transform]

$$x^2-4x+5$$

Sequence: A219529
Score: 6.58171
Type of gen. func.: ogf

$$(29f(x)+40)(f(x)x^4-f(x)x^3-x^4-4x^3-f(x)x-6x^2+f(x)-4x-1)$$

Sequence: A219535
Score: 12.6941
Type of gen. func.: ogf

$$-1+f(x)-2f(x)^2x-f(x)^3x$$

Sequence: A219536
Score: 11.9322
Type of gen. func.: ogf

$$-1+f(x)-f(x)^2x-2f(x)^3x$$

Sequence: A219547
Score: 4.38121
Type of gen. func.: ogf

$$8(x^2+1)(x^8-x^7+x^5-x^4+x^3-x+1)(x^2+x+1)^2 \Big/ ((x+1)$$

$$(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\,(x^6 - x^5 + x^4 - x^3 + x^2 - x + 1)\,(x - 1)^2\,)$$

Sequence: A219555
Score: 16.0893
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x - 2}{x^4 - 2 x^2 + 1}$$

Sequence: A219572
Score: 3.91401
Type of gen. func.: ogf

$$(5 x^9 - 33 x^8 + 127 x^7 - 296 x^6 + 420 x^5 - 376 x^4 + 218 x^3 - 86 x^2 + 23 x - 4) \Big/ (x - 1)^9$$

Sequence: A219579
Score: 6.07765
Type of gen. func.: ogf

$$\frac{3 x^6 - 17 x^5 + 50 x^4 - 59 x^3 + 33 x^2 - 11 x + 4}{(x - 1)^6}$$

Sequence: A219587
Score: 14.0914
Type of gen. func.: ogf

$$-\frac{5 x - 1}{4 x^3 + 6 x^2 - 7 x + 1}$$

Sequence: A219587
Score: 6.66823
Type of gen. func.: ogf

$\{a(n + 3) - 7 a(n + 2) + 6 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 2, a(2) = 8\}$

Sequence: A219587
Score: 6.91521
Type of gen. func.: ogf

$$-(19 f(x) - 9) (4 f(x) x^{3} + 6 f(x) x^{2} - 7 f(x) x + f(x) + 5 x - 1)$$

Sequence: A219587
Score: 8.58439
Type of gen. func.: lgdogf

$$- \frac{40 x^{3} + 18 x^{2} - 12 x + 2}{20 x^{4} + 26 x^{3} - 41 x^{2} + 12 x - 1}$$

Sequence: A219589
Score: 7.15431
Type of gen. func.: ogf

$$\frac{2 x^{5} - 12 x^{4} + 19 x^{3} - 16 x^{2} + 8 x - 3}{(x - 1)^{5}}$$

Sequence: A219601
Score: 12.4982
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^{4} - x^{3} - x^{2} - x - 1}{-x^{6} + 1}$$

Sequence: A219607
Score: 10.1310
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^{7} - x^{6} + x^{5} + x^{3} - x^{2} - x}{}$$

$$-x^{10} + 1$$

Sequence: A219619
Score: 7.11856
Type of gen. func.: lgdegf]

$$-\frac{-3 x^4 - 24 x^3 - 66 x^2 - 24 x - 3}{-3 x^5 - 3 x^4 - 10 x^3 + 18 x^2 - 3 x + 1}$$

Sequence: A219619
Score: 7.48932
Type of gen. func.: egf]

$$-\frac{3 x^4 + 6 x^3 + 16 x^2 - 2 x + 1}{(x - 1)^5}$$

Sequence: A219621
Score: 3.98295
Type of gen. func.: ogf

$$\{(-131 n^2 - 983 n - 1770) a(n + 1) + (232 n^2 + 1062 n + 74) a(n + 2)$$

$$+ (-101 n^2 - 199 n + 312) a(n + 3), a(0) = 3, a(1) = 11, a(2) = 27\}$$

Sequence: A219621
Score: 8.92730
Type of gen. func.: ogf

$$-\frac{x^3 + 2 x^2 - 4 x + 3}{(x - 1)^5}$$

Sequence: A219621
Score: 9.47165
Type of gen. func.: lgdogf

$$-\frac{2x^3 + 9x^2 - 12x + 11}{x^4 + x^3 - 6x^2 + 7x - 3}$$

Sequence: A219628
Score: 6.37400
Type of gen. func.: ogf

$$\frac{x^7 + x^6 - 12x^5 + 7x^4 + 16x^3 - 29x^2 + 19x - 6}{(x - 1)^5}$$

Sequence: A219656
Score: 4.31823
Type of gen. func.: ogf

$$\frac{x\,(x^{27} - x^{23} + x^{22} - x^{20} - x^{19} + x^{17} - x^{15} + x^{13} - x^{11} + x^9 + x^2 - x - 1)}{(x + 1)(x^4 + 1)(x^{16} - x^{12} + x^8 - x^4 + 1)(x - 1)^3}$$

Sequence: A219657
Score: 4.40290
Type of gen. func.: ogf

$$x\,(x^{27} - x^{23} + 2x^{22} - 2x^{20} - x^{19} + x^{17} - x^{15} + x^{13} - x^{11} + x^9 + 2x^2 - x - 2) \Big/ \left((x + 1)(x^4 + 1)(x^{16} - x^{12} + x^8 - x^4 + 1)(x - 1)^3\right)$$

Sequence: A219680
Score: 6.91796
Type of gen. func.: ogf

$$\frac{x^6 - 2x^5 - 5x^4 + 16x^3 - 19x^2 + 11x - 3}{(x - 1)^5}$$

Sequence: A219699
Score: 7.32302
Type of gen. func.: ogf

$$\frac{5 x^{5} - 15 x^{4} + 20 x^{3} - 18 x^{2} + 10 x - 3}{(x - 1)^{5}}$$

Sequence: A219708
Score: 4.06192
Type of gen. func.: ogf

$$-\frac{3 x^{8} - 24 x^{7} + 79 x^{6} - 147 x^{5} + 173 x^{4} - 135 x^{3} + 71 x^{2} - 23 x + 4}{(x - 1)^{9}}$$

Sequence: A219715
Score: 4.75490
Type of gen. func.: ogf

$$- (4 x^{9} - 30 x^{8} + 31 x^{7} - 16 x^{6} + 27 x^{5} - 98 x^{4} + 150 x^{3} - 117 x^{2} + 47 x - 10) \Big/ (x - 1)^{6}$$

Sequence: A219721
Score: 10.7691
Type of gen. func.: ogf

$$\frac{x^{4} + 7 x^{3} + 5 x^{2} + 7 x + 1}{(x^{2} + 1) (x + 1) (x - 1)^{2}}$$

Sequence: A219737
Score: 3.99427
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^{7} - 3 x^{6} + 2 x^{5} + 2 x^{4} + x^{3} - 14 x^{2} - 14 x - 7)}{{}^{8}\quad{}^{7}\quad{}^{6}\quad{}^{5}\quad{}^{4}\quad{}^{3}\quad{}^{2}}$$

$$x - 3 x + x + 6 x - 4 x - 15 x - 10 x - x + 1$$

Sequence: A219751
Score: 13.1004
Type of gen. func.: ogf

$$-\frac{x^{4} (x^{2} + 3 x - 2)}{(x + 1) (2 x - 1)^{2}}$$

Sequence: A219751
Score: 4.36680
Type of gen. func.: ogf

{(-2 n - 16) a(n + 1) + (-n - 9) a(n + 2) + (n + 7) a(n + 3), a(0) = 0,

a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 2, a(5) = 3}

Sequence: A219751
Score: 9.86574
Type of gen. func.: lgdogf

$$-\frac{2 x^{3} + 13 x^{2} - 4 x - 3}{2 x^{4} + 7 x^{3} - 2 x^{2} - 5 x + 2}$$

Sequence: A219752
Score: 9.24391
Type of gen. func.: ogf

$$-\frac{2 x^{4} (x - 1) (x^{3} + x^{2} + x - 1)}{(x + 1) (x^{2} + x - 1) (2 x - 1)^{2}}$$

Sequence: A219753
Score: 9.40147
Type of gen. func.: ogf

$$x^{4} (x - 1) (x^{3} + x^{2} + x - 1)$$

$$-\frac{}{(x + 1) (x^2 + x - 1) (2 x - 1)^2}$$

Sequence: A219754
Score: 10.2460
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 - 6 x^2 + 5 x + 1}{-2 x^4 - 3 x^3 + 2 x^2 + 2 x - 1}$$

Sequence: A219754
Score: 10.6452
Type of gen. func.: ogf

$$-\frac{x^4 (x^2 + x - 1)}{(x + 1)^2 (2 x - 1)^2}$$

Sequence: A219754
Score: 4.26916
Type of gen. func.: ogf

$$\{(-2 n^2 - 12 n - 14) a(n + 1) + (-n^2 - 5 n) a(n + 2) + (n^2 + 4 n + 2) a(n + 3),$$

$$a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 1\}$$

Sequence: A219755
Score: 10.5045
Type of gen. func.: ogf

$$-\frac{x^4 (x^3 + 3 x^2 - 1)}{(x + 1)^2 (2 x - 1)^2}$$

Sequence: A219755
Score: 3.81531
Type of gen. func.: ogf

$$\{(-2 n^2 - 26 n + 72) a(n + 1) + (-n^2 - 12 n + 69) a(n + 2) + (n^2 + 11 n - 48) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 1, a(5) = 2\}$$

Sequence: A219755
Score: 8.33862
Type of gen. func.: lgdogf

$$- \frac{-2 x^4 - 11 x^3 - 3 x^2 + 2 x + 2}{-2 x^5 - 7 x^4 - 2 x^3 + 5 x^2 + x - 1}$$

Sequence: A219756
Score: 5.25219
Type of gen. func.: ogf

$$- \frac{x^4 (5 x^5 - 11 x^4 + 18 x^3 - 17 x^2 + 7 x - 1)}{(x - 1)^2 (3 x - 1)^2 (x^2 - 3 x + 1)^2}$$

Sequence: A219757
Score: 6.15965
Type of gen. func.: ogf

$$\frac{x^4 (x^4 - x^3 - 6 x^2 + 7 x - 2)}{(x - 1) (x^2 - 3 x + 1) (2 x - 1)^4}$$

Sequence: A219758
Score: 5.95210
Type of gen. func.: ogf

$$\frac{x^4 (4 x^4 - 2 x^3 - 5 x^2 + 6 x - 2)}{(x - 1)^2 (2 x - 1)^5}$$

Sequence: A219759
Score: 4.25242
Type of gen. func.: ogf

$$\frac{x^4 (16 x^6 - 57 x^5 + 41 x^4 + 8 x^3 - 24 x^2 + 12 x - 2)}{(x - 1) (x^2 - 3 x + 1) (2 x - 1)^6}$$

Sequence: A219768
Score: 7.56861
Type of gen. func.: ogf

$$\frac{(2 x^2 - 2 x + 1) (x^3 - 2 x^2 + 3 x - 3)}{(x - 1)^5}$$

Sequence: A219774
Score: 6.51397
Type of gen. func.: ogf

$$- \frac{2 x^8 - 6 x^7 + 3 x^6 + 5 x^5 - 17 x^3 + 24 x^2 - 14 x + 4}{(x - 1)^5}$$

Sequence: A219779
Score: 3.62168
Type of gen. func.: ogf

$$\{(n^3 + 6 n^2 + 12 n + 8) a(n + 1) + (-3 n^2 - 18 n - 27) a(n + 2) + (3 n + 12) a(n + 3) - a(n + 4), a(0) = 1, a(1) = 3, a(2) = 15, a(3) = 100\}$$

Sequence: A219788
Score: 11.1192
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 7 x^2 + 4 x + 3}{}$$

$$x^4 - 3x^3 + 5x - 2$$

Sequence: A219788
Score: 15.1054
Type of gen. func.: ogf

$$-\frac{x - 2}{x^3 - x^2 - 2x + 1}$$

Sequence: A219788
Score: 7.14809
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 3, a(2) = 8\}$$

Sequence: A219788
Score: 7.34482
Type of gen. func.: ogf

$$-(95 f(x) + 31) (f(x) x^3 - f(x) x^2 - 2 f(x) x + f(x) + x - 2)$$

Sequence: A219803
Score: 5.81211
Type of gen. func.: ogf

$$\frac{x^7 + x^6 - 15x^5 + 43x^4 - 59x^3 + 46x^2 - 20x + 4}{(x - 1)^6}$$

Sequence: A219810
Score: 7.37776
Type of gen. func.: ogf

$$\frac{2x^5 - 11x^4 + 17x^3 - 16x^2 + 9x - 3}{(x - 1)^5}$$

Sequence: A219837
Score: 4.26785
Type of gen. func.: ogf

$$\frac{x^4 (x^6 - 25 x^5 + 21 x^4 + 7 x^3 - 18 x^2 + 10 x - 2)}{(x - 1)^3 (2 x - 1)^6}$$

Sequence: A219846
Score: 7.83158
Type of gen. func.: lgdogf

$$- \frac{-2 x^4 + 6 x^3 - 12 x^2 + 10 x - 7}{-2 x^5 + 9 x^4 - 18 x^3 + 19 x^2 - 11 x + 3}$$

Sequence: A219846
Score: 8.23948
Type of gen. func.: ogf

$$- \frac{2 x^4 - 7 x^3 + 11 x^2 - 8 x + 3}{(x - 1)^5}$$

Sequence: A219853
Score: 9.47048
Type of gen. func.: ogf

$$- \frac{2 x^6 + x^4 - 3 x^3 + 14 x^2 - 11 x + 6}{(x - 1)^3}$$

Sequence: A219933
Score: 4.69681
Type of gen. func.: ogf

$$12 x^6 - 39 x^5 + 45 x^4 - 16 x^3 - 13 x^2 + 13 x - 4$$
$$\text{---}$$

$$(x - 1)^9$$

Sequence: A219940
Score: 5.40537
Type of gen. func.: ogf

$$\frac{11 x^7 - 51 x^6 + 109 x^5 - 67 x^4 - 43 x^3 + 76 x^2 - 37 x + 10}{(x - 1)^6}$$

Sequence: A219968
Score: 8.99424
Type of gen. func.: ogf

$$- \frac{(x - 1)^2 (x^2 + x + 1)^2}{x^9 + x^7 - x^6 - 2 x^4 + 3 x^3 + x - 1}$$

Sequence: A219977
Score: 13.1461
Type of gen. func.: ogf

$$\frac{1}{(x^2 + 1) (x + 1)}$$

Sequence: A219977
Score: 21.4977
Type of gen. func.: ogf_with_Euler_transform]

$$[x^3 - 1]$$

Sequence: A219977
Score: 4.85577
Type of gen. func.: ogf

$\{-a(n + 3) - a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = -1, a(2) = 0\}$

Sequence: A219977
Score: 5.44434
Type of gen. func.: ogf

$$(f(x) - 1) (f(x) x^3 + f(x) x^2 + f(x) x + f(x) - 1)$$

Sequence: A220000
Score: 7.07035
Type of gen. func.: ogf

$$\frac{16 x^7 + 15 x^6 + 16 x^5 + 15 x^4 + 16 x^3 + 16 x^2 + 15 x + 16}{(x + 1) (x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A220011
Score: 5.82562
Type of gen. func.: ogf

$$\frac{x^7 + x^6 - 10 x^5 + 32 x^4 - 46 x^3 + 37 x^2 - 17 x + 4}{(x - 1)^6}$$

Sequence: A220018
Score: 10.0299
Type of gen. func.: ogf

$$\frac{8 x^4 - 13 x^3 - 8 x^2 + x - 4}{(x - 1)^3}$$

Sequence: A220018
Score: 5.71044
Type of gen. func.: ogf

$(7904 f(x) - 1003985)$

$$(f(x) x^3 - 8 x^4 - 3 f(x) x^2 + 13 x^3 + 3 f(x) x + 8 x^2 - f(x) - x + 4)$$

Sequence: A220018
Score: 7.74584
Type of gen. func.: lgdogf

$$-\frac{8 x^4 - 32 x^3 + 47 x^2 + 14 x + 11}{-8 x^5 + 21 x^4 - 5 x^3 - 9 x^2 + 5 x - 4}$$

Sequence: A220019
Score: 10.8343
Type of gen. func.: ogf

$$\frac{88 x^5 - 142 x^4 - 63 x^3 - 24 x^2 - 15 x - 4}{(x - 1)^3}$$

Sequence: A220019
Score: 7.70254
Type of gen. func.: lgdogf

$$-\frac{176 x^5 - 582 x^4 + 568 x^3 + 213 x^2 + 78 x + 27}{-88 x^6 + 230 x^5 - 79 x^4 - 39 x^3 - 9 x^2 - 11 x - 4}$$

Sequence: A220020
Score: 10.3030
Type of gen. func.: lgdogf

$$-\frac{8 x^4 - 32 x^3 + 46 x^2 + 16 x + 10}{-8 x^5 + 21 x^4 - 6 x^3 - 6 x^2 + 2 x - 3}$$

Sequence: A220020
Score: 13.0075
Type of gen. func.: ogf

$$2 (8 x^4 - 13 x^3 - 7 x^2 - x - 3)$$

$$(x - 1)^3$$

Sequence: A220020
Score: 6.93733
Type of gen. func.: ogf

$$\{-a(n + 5) + 3 a(n + 4) - 3 a(n + 3) + a(n + 2), a(0) = 6, a(1) = 20, a(2) = 56,$$
$$a(3) = 140, a(4) = 256\}$$

Sequence: A220020
Score: 7.22638
Type of gen. func.: ogf

$$-(19888 f(x) - 5114229)$$
$$(f(x) x^3 - 16 x^4 - 3 f(x) x^2 + 26 x^3 + 3 f(x) x + 14 x^2 - f(x) + 2 x + 6)$$

Sequence: A220021
Score: 12.7391
Type of gen. func.: lgdogf

$$- \frac{-x^2 + 22 x + 27}{-5 x^4 + 19 x^3 - 17 x^2 + 13 x - 10}$$

Sequence: A220021
Score: 13.9951
Type of gen. func.: ogf

$$\frac{5 x^3 - 14 x^2 + 3 x - 10}{(x - 1)^3}$$

Sequence: A220021
Score: 7.25294
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 10, a(1) = 27, a(2) = 65,$$

a(3) = 119}

Sequence: A220021
Score: 7.64349
Type of gen. func.: ogf

$$(27744 f(x) - 455299)$$

$$(f(x) x^{3} - 3 f(x) x^{2} - 5 x^{3} + 3 f(x) x + 14 x^{2} - f(x) - 3 x + 10)$$

Sequence: A220029
Score: 7.34328
Type of gen. func.: ogf

$$\frac{3 x^{5} - 11 x^{4} + 19 x^{3} - 20 x^{2} + 13 x - 5}{(x - 1)^{5}}$$

Sequence: A220030
Score: 6.18190
Type of gen. func.: ogf

$$\frac{(2 x^{3} - 6 x^{2} + 6 x - 3) (2 x^{3} - 4 x^{2} + 3 x - 2)}{(x - 1)^{6}}$$

Sequence: A220031
Score: 4.86315
Type of gen. func.: ogf

$$\frac{x^{8} - x^{7} - 17 x^{6} + 66 x^{5} - 113 x^{4} + 115 x^{3} - 76 x^{2} + 31 x - 7}{(x - 1)^{7}}$$

Sequence: A220033
Score: 9.90134
Type of gen. func.: ogf

5   4   3   2

$$\frac{x + 3 x - 3 x - 4 x + 6 x - 4}{(x - 1)^{3}}$$

Sequence: A220034
Score: 6.72510
Type of gen. func.: ogf

$$\frac{x^{8} - x^{7} + 2 x^{6} + 3 x^{5} - 12 x^{4} + 2 x^{3} + 13 x^{2} - 12 x + 5}{(x - 1)^{4}}$$

Sequence: A220035
Score: 5.14958
Type of gen. func.: ogf

$$(x^{10} + 3 x^{9} - 8 x^{8} + 4 x^{7} + 3 x^{6} - 21 x^{5} + 24 x^{4} + 10 x^{3} - 31 x^{2} + 20 x - 6) \Big/ (x - 1)^{5}$$

Sequence: A220036
Score: 3.99506
Type of gen. func.: ogf

$$(x^{13} - x^{12} + x^{11} + 3 x^{10} - 21 x^{9} + 24 x^{8} + 3 x^{7} - 35 x^{6} + 59 x^{5} - 26 x^{4} - 45 x^{3} + 61 x^{2} - 30 x + 7) \Big/ (x - 1)^{6}$$

Sequence: A220045
Score: 5.14113
Type of gen. func.: ogf

$$- \frac{2 x^{9} - 6 x^{8} + 4 x^{7} + 6 x^{6} + 3 x^{5} - 55 x^{4} + 105 x^{3} - 97 x^{2} + 47 x - 10}{(x - 1)^{6}}$$

Sequence: A220082
Score: 8.00187
Type of gen. func.: lgdogf

$$-\frac{x^5 + 9 x^4 + 38 x^3 + 38 x^2 + 29 x + 5}{x^6 + 4 x^5 + 9 x^4 - 9 x^2 - 4 x - 1}$$

Sequence: A220082
Score: 9.10851
Type of gen. func.: ogf

$$-\frac{x^4 + 4 x^3 + 10 x^2 + 4 x + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A220083
Score: 12.2126
Type of gen. func.: lgdogf

$$-\frac{4 x^2 + 28 x + 13}{4 x^3 + 6 x^2 - 9 x - 1}$$

Sequence: A220083
Score: 13.0005
Type of gen. func.: ogf

$$-\frac{4 x^2 + 10 x + 1}{(x - 1)^3}$$

Sequence: A220083
Score: 6.71694
Type of gen. func.: ogf

$$(14975 f(x) - 91871) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) + 10 x + 1)$$

Sequence: A220083
Score: 7.07046
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 13, a(2) = 40\}$$

Sequence: A220084
Score: 11.5140
Type of gen. func.: ogf

$$\frac{8 x^2 + 11 x + 1}{(x - 1)^4}$$

Sequence: A220084
Score: 11.8527
Type of gen. func.: lgdogf

$$- \frac{16 x^2 + 49 x + 15}{8 x^3 + 3 x^2 - 10 x - 1}$$

Sequence: A220084
Score: 3.95090
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (15 + 10 n) a(n + 3) + (-55 - 3 n) a(n + 2) + (-24 - 8 n) a(n + 1), a(0) = 1, a(1) = 15, a(2) = 62, a(3) = 162\}$$

Sequence: A220084
Score: 5.48288
Type of gen. func.: ogf

$$(352672000 f(x) + 3034761331) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 8 x^2 + f(x) - 11 x - 1)$$

Sequence: A220087
Score: 15.9947

Type of gen. func.: ogf

$$\frac{53 x - 26}{(2 x - 1) (x - 1)}$$

Sequence: A220087
Score: 7.91315
Type of gen. func.: ogf

$$-(29 f(x) + 1379) (2 f(x) x^2 - 3 f(x) x + f(x) - 53 x + 26)$$

Sequence: A220087
Score: 8.94940
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = -26, a(1) = -25\}$$

Sequence: A220087
Score: 9.89145
Type of gen. func.: lgdogf

$$-\frac{-106 x^2 + 104 x - 25}{-106 x^3 + 211 x^2 - 131 x + 26}$$

Sequence: A220088
Score: 15.6615
Type of gen. func.: ogf

$$\frac{161 x - 80}{(2 x - 1) (x - 1)}$$

Sequence: A220088
Score: 7.74999
Type of gen. func.: ogf

$$-(83 f(x) + 12881) (2 f(x) x^2 - 3 f(x) x + f(x) - 161 x + 80)$$

Sequence: A220088
Score: 8.94940
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = -80, a(1) = -79\}$$

Sequence: A220088
Score: 9.89145
Type of gen. func.: lgdogf

$$-\frac{-322 x^{2} + 320 x - 79}{-322 x^{3} + 643 x^{2} - 401 x + 80}$$

Sequence: A220089
Score: 15.8413
Type of gen. func.: ogf

$$\frac{485 x - 242}{(2 x - 1) (x - 1)}$$

Sequence: A220089
Score: 7.76225
Type of gen. func.: ogf

$$-(245 f(x) + 117371) (2 f(x) x^{2} - 3 f(x) x + f(x) - 485 x + 242)$$

Sequence: A220089
Score: 9.02587
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = -242, a(1) = -241\}$$

Sequence: A220089
Score: 9.70281
Type of gen. func.: lgdogf

2

$$-\frac{-970 x + 968 x - 241}{-970 x^{3} + 1939 x^{2} - 1211 x + 242}$$

Sequence: A220094
Score: 10.8921
Type of gen. func.: lgdogf

$$-\frac{1620 x - 99}{810 x^{2} - 99 x + 1}$$

Sequence: A220094
Score: 16.1910
Type of gen. func.: ogf

$$\frac{45}{(90 x - 1) (9 x - 1)}$$

Sequence: A220094
Score: 6.37304
Type of gen. func.: ogf

$$(11111 f(x) + 158850) (810 f(x) x^{2} - 99 f(x) x + f(x) - 45)$$

Sequence: A220094
Score: 6.73109
Type of gen. func.: ogf

$$\{-a(n + 2) + 99 a(n + 1) - 810 a(n), a(0) = 45, a(1) = 4455\}$$

Sequence: A220097
Score: 7.04490
Type of gen. func.: revogf

$$\frac{-2 x^{2} - 4 x - 1 + (4 x^{4} + 16 x^{3} + 21 x^{2} + 10 x + 1)^{1/2}}{(x + 1)^{2}}$$

Sequence: A220101
Score: 4.13669
Type of gen. func.: ogf

$$\{(4 n^2 + 14 n + 12) a(n + 1) + (3 n^2 + 22 n + 43) a(n + 2)$$
$$+ (-n^2 - 7 n - 10) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 6\}$$

Sequence: A220101
Score: 7.01266
Type of gen. func.: ogf

$$4 f(x)^2 x^3 - f(x)^2 x^2 - 12 f(x) x^2 + 11 f(x) x + x^2 - 2 f(x) + 2 x$$

Sequence: A220123
Score: 10.0954
Type of gen. func.: ogf

$$- \frac{(x - 1) (x + 1) (x^2 + 1)}{x^8 - x^6 + x^5 - 5 x^4 - x^2 - x + 1}$$

Sequence: A220128
Score: 10.2658
Type of gen. func.: ogf

$$- \frac{3 x^4 + 4 x^3 + 4 x^2 + 2 x + 1}{(x^2 + x + 1) (x - 1) (x + 1)}$$

Sequence: A220128
Score: 6.12764
Type of gen. func.: ogf

$$(41 f(x) - 78)$$
$$(f(x) x^4 + f(x) x^3 + 3 x^4 + 4 x^3 - f(x) x + 4 x^2 - f(x) + 2 x + 1)$$

Sequence: A220129
Score: 7.13997
Type of gen. func.: ogf

$$-\frac{(2x^2+x+1)(5x^4+3x^3+4x^2+x+1)}{(x-1)(x+1)(x^2+1)(x^2+x+1)}$$

Sequence: A220147
Score: 3.86709
Type of gen. func.: ogf

$$\{(373n^2+2913n+5382)a(n+1)+(-708n^2-3665n-1671)a(n+2)$$

$$+(335n^2+904n-303)a(n+3), a(0)=3, a(1)=11, a(2)=26\}$$

Sequence: A220147
Score: 8.80097
Type of gen. func.: ogf

$$-\frac{2x^3+x^2-4x+3}{(x-1)^5}$$

Sequence: A220147
Score: 9.33761
Type of gen. func.: lgdogf

$$-\frac{4x^3+9x^2-14x+11}{2x^4-x^3-5x^2+7x-3}$$

Sequence: A220154
Score: 10.3818
Type of gen. func.: ogf

$$\frac{4x^4-8x^3-8x^2+7x-6}{}$$

$$(x - 1)^3$$

Sequence: A220154
Score: 5.5902
Type of gen. func.: ogf

$-(409585 f(x) - 40659648)$

$$(f(x) x^3 - 4 x^4 - 3 f(x) x^2 + 8 x^3 + 3 f(x) x + 8 x^2 - f(x) - 7 x + 6)$$

Sequence: A220154
Score: 8.50424
Type of gen. func.: lgdogf

$$- \frac{4 x^4 - 16 x^3 + 32 x^2 + 2 x + 11}{-4 x^5 + 12 x^4 - 15 x^2 + 13 x - 6}$$

Sequence: A220172
Score: 7.86313
Type of gen. func.: ogf

$$- \frac{2 (4 x^6 - 4 x^3 + 2 x^2 - x + 1)}{(2 x - 1) (2 x^3 - 1)^2}$$

Sequence: A220175
Score: 2.36368
Type of gen. func.: ogf

$$(f(x) - 16) (16 f(x) x - f(x) + 16)$$

Sequence: A220185
Score: 10.7662
Type of gen. func.: ogf

$$\frac{2 x (x - 5)}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A220185
Score: 5.56872
Type of gen. func.: ogf

$$\{-a(n + 3) + 35 a(n + 2) - 35 a(n + 1) + a(n), a(0) = 0, a(1) = 10, a(2) = 348\}$$

Sequence: A220185
Score: 6.33307
Type of gen. func.: ogf

$$f(x) (f(x) x^3 - 35 f(x) x^2 + 35 f(x) x - 2 x^2 - f(x) + 10 x)$$

Sequence: A220185
Score: 7.17747
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 50 x^2 + 350 x - 174}{x^4 - 40 x^3 + 210 x^2 - 176 x + 5}$$

Sequence: A220186
Score: 5.03933
Type of gen. func.: ogf

$$\{a(n + 3) - 99 a(n + 2) + 99 a(n + 1) - a(n), a(0) = 0, a(1) = 8, a(2) = 800\}$$

Sequence: A220186
Score: 5.26839
Type of gen. func.: ogf

$$(25 f(x) + 2) (f(x) x^3 - 99 f(x) x^2 + 99 f(x) x + 8 x^2 - f(x) + 8 x)$$

Sequence: A220186
Score: 7.33573
Type of gen. func.: lgdogf

$$-\frac{-2x^3+96x^2+198x-100}{-x^4+98x^3-98x+1}$$

Sequence: A220186

Score: 9.82242

Type of gen. func.: ogf

$$-\frac{8(x+1)x}{(x-1)(x^2-98x+1)}$$

Sequence: A220190

Score: 6.93391

Type of gen. func.: ogf

$$-\frac{8x^{16}-8x^{15}+3x^{13}+x^{12}-4x^{11}+5x^5+2x^4-4x^3+x^2-x+6}{x-1}$$

Sequence: A220191

Score: 4.41807

Type of gen. func.: ogf

$$\frac{4x^9+4x^8+14x^7+2x^6+5x^5-19x^4-10x^3-9x^2-2x-2}{6x^7+2x^6+16x^5+2x^4+8x^3+2x^2+2x-1}$$

Sequence: A220198

Score: 3.95020

Type of gen. func.: ogf

$$(4x^9-29x^8+119x^7-277x^6+386x^5-350x^4+215x^3-92x^2+26x-4)\Big/(x-1)^9$$

Sequence: A220205

Score: 6.15301

Type of gen. func.: ogf

$$\frac{3 x^6 - 18 x^5 + 48 x^4 - 57 x^3 + 36 x^2 - 14 x + 4}{(x - 1)^6}$$

Sequence: A220212
Score: 10.6256
Type of gen. func.: ogf

$$- \frac{x (11 x + 1)}{(x - 1)^5}$$

Sequence: A220212
Score: 15.5297
Type of gen. func.: lgdogf

$$- \frac{-44 x - 16}{-11 x^2 + 10 x + 1}$$

Sequence: A220212
Score: 5.27807
Type of gen. func.: ogf

{(-n - 2) a(n + 3) + (6 - 10 n) a(n + 2) + (44 + 11 n) a(n + 1), a(0) = 0,

a(1) = 1, a(2) = 16}

Sequence: A220213
Score: 3.96929
Type of gen. func.: ogf

$$- \frac{4 x^8 + 5 x^7 + 12 x^6 + 16 x^5 + 13 x^4 + 11 x^3 + 7 x^2 + 2 x + 2}{4 x^9 + 4 x^8 + 11 x^7 + 12 x^6 + 9 x^5 + 7 x^4 + 3 x^3 + 2 x^2 + 2 x - 1}$$

Sequence: A220221
Score: 7.82895

Type of gen. func.: ogf

$$\frac{12 x^{8} - 2 x^{7} - 10 x^{6} + 4 x^{5} - 2 x^{4} - 2 x^{3} - 2 x^{2} + 1}{(2 x - 1) (x - 1)}$$

Sequence: A220227
Score: 5.04638
Type of gen. func.: ogf

$$- \frac{(x^{2} + x + 1) (x^{2} + 1) (x - 1) (2 x + 1)^{2}}{4 x^{8} + 2 x^{7} + 4 x^{6} - 3 x^{5} - x^{4} - 6 x^{3} - x^{2} - 2 x + 1}$$

Sequence: A220236
Score: 13.5212
Type of gen. func.: ogf

$$\frac{3 (4 x - 3)}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A220236
Score: 6.35611
Type of gen. func.: ogf

$$-(10667 f(x) - 50856) (8 f(x) x^{3} - 14 f(x) x^{2} + 7 f(x) x - f(x) - 12 x + 9)$$

Sequence: A220236
Score: 6.41090
Type of gen. func.: ogf

$\{-a(n + 3) + 7 a(n + 2) - 14 a(n + 1) + 8 a(n), a(0) = 9, a(1) = 51, a(2) = 231$

$\}$

Sequence: A220236
Score: 8.35578
Type of gen. func.: lgdogf

```
                                3        2
```

$$- \frac{64 x - 128 x + 84 x - 17}{32 x^4 - 80 x^3 + 70 x^2 - 25 x + 3}$$

Sequence: A220249
Score: 7.19907
Type of gen. func.: ogf

$$- \frac{987 x^{22} - 1034 x^{21} + 144 x^9 - 162 x^8 + 21 x^4 - 28 x^3 + 3 x^2 - 5 x - 2}{(x - 1)^2}$$

Sequence: A220250
Score: 7.10711
Type of gen. func.: ogf

$$- \frac{2 (32 x^4 - 16 x^2 + 4 x + 1)}{(4 x - 1) (2 x - 1)^2 (2 x + 1)^2}$$

Sequence: A220255
Score: 3.97732
Type of gen. func.: ogf

$$- \frac{x^{11} + x^{10} - 2 x^9 - 3 x^8 + 4 x^7 + 5 x^6 + 2 x^5 + x^4 - 5 x^3 - 3 x^2 + 4 x + 2}{2 x^9 + 2 x^8 - 2 x^7 - 3 x^6 - 4 x^3 + 4 x^2 + 3 x - 1}$$

Sequence: A220297
Score: 4.41263
Type of gen. func.: ogf

$$\frac{(x - 1) (3832 x^5 - 4660 x^4 + 2062 x^3 - 406 x^2 + 35 x - 1)}{11680 x^6 - 20980 x^5 + 13840 x^4 - 4280 x^3 + 645 x^2 - 44 x + 1}$$

Sequence: A220304
Score: 4.01390

Type of gen. func.: ogf

$$\frac{x^9 + x^8 + 2x^7 + 2x^6 + 5x^5 + 2x^4 + 3x^3 + 3x^2 + x + 2}{x^{10} - 3x^9 + x^8 - 3x^7 - 3x^6 - 6x^4 + x^3 - x^2 - 3x + 1}$$

Sequence: A220309
Score: 4.29138
Type of gen. func.: ogf

$$-\frac{x^9 - 2x^8 - 5x^7 + 6x^6 + 8x^5 - 5x^4 - 7x^3 + x + 2}{x^9 - x^8 - 2x^7 - 2x^6 + 9x^5 - 3x^4 - 8x^3 + 2x^2 + 4x - 1}$$

Sequence: A220324
Score: 4.34932
Type of gen. func.: ogf

$$(135 f(x) + 74) \left(6 f(x) x^4 + 3 f(x) x^3 - 9 f(x) x^2 + 2 x^3 + 7 f(x) x - 2 x^2 - f(x) + 2 x + 2 \right)$$

Sequence: A220324
Score: 7.90784
Type of gen. func.: ogf

$$-\frac{2 (x^3 - x^2 + x + 1)}{6 x^4 + 3 x^3 - 9 x^2 + 7 x - 1}$$

Sequence: A220360
Score: 10.0976
Type of gen. func.: ogf

$$-\frac{x (x^2 + 3 x - 6)}{(x^2 + 4 x - 1) (x^2 - x - 1)}$$

Sequence: A220360
Score: 4.98056
Type of gen. func.: ogf

$$-(1293962 f(x) + 417289)$$

$$(f(x) x^4 + 3 f(x) x^3 - 6 f(x) x^2 + x^3 - 3 f(x) x + 3 x^2 + f(x) - 6 x)$$

Sequence: A220361
Score: 10.8696
Type of gen. func.: ogf

$$\frac{x^2 + 4 x + 1}{(x^2 + 4 x - 1) (x^2 - x - 1)}$$

Sequence: A220361
Score: 5.39567
Type of gen. func.: ogf

$$(2376625 f(x) - 61124)$$

$$(f(x) x^4 + 3 f(x) x^3 - 6 f(x) x^2 - 3 f(x) x - x^2 + f(x) - 4 x - 1)$$

Sequence: A220362
Score: 11.0432
Type of gen. func.: ogf

$$\frac{x (x + 3)}{(x^2 + 4 x - 1) (x^2 - x - 1)}$$

Sequence: A220362
Score: 5.27801
Type of gen. func.: ogf

$$-(462254 f(x) - 753)$$

$$(f(x) x^4 + 3 f(x) x^3 - 6 f(x) x^2 - 3 f(x) x - x^2 + f(x) - 3 x)$$

Sequence: A220362
Score: 7.10703
Type of gen. func.: lgdogf

$$-\frac{-3x^4-18x^3-21x^2+36x+10}{-x^5-6x^4-3x^3+21x^2+8x-3}$$

Sequence: A220363
Score: 10.3881
Type of gen. func.: ogf

$$\frac{x^2-4x+1}{(x^2+4x-1)(x^2-x-1)}$$

Sequence: A220363
Score: 5.1567
Type of gen. func.: ogf

$$-(6977 f(x) + 2084)$$

$$(f(x)x^4+3f(x)x^3-6f(x)x^2-3f(x)x-x^2+f(x)+4x-1)$$

Sequence: A220381
Score: 6.05588
Type of gen. func.: ogf

$$-\frac{3x^4+3x^3-4x^2-9x-4}{2x^5+3x^4-3x^3-8x^2-4x+1}$$

Sequence: A220414
Score: 10.6170
Type of gen. func.: lgdogf

$$-\frac{-5x^2+26x-73}{\quad^{3}\qquad^{2}}$$

$$-5 x + 43 x - 83 x + 13$$

Sequence: A220414
Score: 15.9256
Type of gen. func.: ogf

$$-\frac{5 x - 13}{x^2 - 6 x + 1}$$

Sequence: A220414
Score: 7.87717
Type of gen. func.: ogf

$$-(412 f(x) - 27) (f(x) x^2 - 6 f(x) x + f(x) + 5 x - 13)$$

Sequence: A220414
Score: 8.72114
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + a(n), a(0) = 13, a(1) = 73\}$$

Sequence: A220425
Score: 10.9655
Type of gen. func.: ogf

$$\frac{x^3 - 4 x^2 + 1}{(2 x - 1) (x - 1)^3}$$

Sequence: A220425
Score: 5.71774
Type of gen. func.: ogf

$$-(92 f(x) + 573)$$

$$(2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 - x^3 - 5 f(x) x + 4 x^2 + f(x) - 1)$$

Sequence: A220425
Score: 8.00484
Type of gen. func.: lgdogf

$$-\frac{-2x^4+12x^3+7x^2-16x+5}{-2x^5+11x^4-13x^3+2x^2+3x-1}$$

Sequence: A220433
Score: 14.0388
Type of gen. func.: egf]

$$6x-6f(x)+6f(x)^2-f(x)^3$$

Sequence: A220433
Score: 16.2722
Type of gen. func.: revegf]

$$\frac{x(x^2-6x+6)}{6}$$

Sequence: A220433
Score: 3.39327
Type of gen. func.: ogf

$$\{(9n^3-n)a(n)+(18n^3+84n^2+94n+32)a(n+1)$$

$$+(24n^2+80n+72)a(n+2)+(-16-8n)a(n+3),\ a(0)=0,\ a(1)=1,$$

$$a(2)=2\}$$

Sequence: A220436
Score: 8.47862
Type of gen. func.: ogf

$$-\frac{4(x^4-4x^3-11x^2+4x+1)}{(x-1)(x^2+3x+1)(x^2-7x+1)}$$

Sequence: A220437
Score: 4.31622
Type of gen. func.: ogf

$$-\frac{2\,(2\,x^6-2\,x^5-11\,x^4+13\,x^3-5\,x^2-x+3)}{(x-1)\,(x^4-11\,x^3+25\,x^2-11\,x+1)\,(x^4+7\,x^3+13\,x^2+7\,x+1)}$$

Sequence: A220438
Score: 5.73109
Type of gen. func.: ogf

$$-\frac{2\,x^6-2\,x^5-11\,x^4+13\,x^3-5\,x^2-x+3}{(x-1)\,(x^4-11\,x^3+25\,x^2-11\,x+1)\,(x^4+7\,x^3+13\,x^2+7\,x+1)}$$

Sequence: A220442
Score: 5.16587
Type of gen. func.: ogf

$$(27\,f(x)+317)\,(1944\,f(x)\,x^4-1350\,f(x)\,x^3+315\,f(x)\,x^2+1350\,x^3$$
$$-30\,f(x)\,x-630\,x^2+f(x)+90\,x-4)$$

Sequence: A220442
Score: 8.70336
Type of gen. func.: ogf

$$-\frac{2\,(15\,x-2)\,(45\,x^2-15\,x+1)}{(6\,x-1)\,(3\,x-1)\,(12\,x-1)\,(9\,x-1)}$$

Sequence: A220443
Score: 13.1403
Type of gen. func.: ogf

$$\frac{9\,(x+1)\,x}{(x-1)^4}$$

```
------------------------------------------------------------------------------

Sequence:  A220443
Score: 19.4118
Type of gen. func.: lgdogf

                                     3 x + 5
                                   - -------
                                      2
                                     x  - 1


------------------------------------------------------------------------------

Sequence:  A220443
Score: 40.4020
Type of gen. func.: ogf_with_Euler_transform]

                                    [5 - x]


------------------------------------------------------------------------------

Sequence:  A220443
Score: 6.37404
Type of gen. func.: ogf


{(n + 2) a(n + 3) - 5 a(n + 2) + (-3 - n) a(n + 1), a(0) = 0, a(1) = 9,

    a(2) = 45}


------------------------------------------------------------------------------

Sequence:  A220443
Score: 6.47062
Type of gen. func.: ogf


(2144 f(x) + 16137)

           4           3           2                  2
    (f(x) x  - 4 f(x) x  + 6 f(x) x  - 4 f(x) x - 9 x  + f(x) - 9 x)


------------------------------------------------------------------------------

Sequence:  A220449
Score: 4.74012
Type of gen. func.: ogf


   3       2
{(n  + 10 n  + 34 n + 40) a(n + 1) + (2 n + 7) a(n + 2) + (n + 3) a(n + 3),

    a(0) = 1, a(1) = 1, a(2) = -10}


------------------------------------------------------------------------------
```

Sequence: A220452
Score: 10.4200
Type of gen. func.: lgdegf]

$$\frac{8 x^{3} + 4 x^{2} + 2 (-2 x^{3} + 5 x^{2} - 4 x + 1)^{1/2} - 8 x + 1}{(4 x^{2} + 2 x - 1) (-1 + 2 x)}$$

Sequence: A220452
Score: 4.13185
Type of gen. func.: ogf

$\{(-2 n - 6) a(n + 1) + (4 n + 14) a(n + 2) + (-2 n - 9) a(n + 3) + a(n + 4),$

$a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 37\}$

Sequence: A220452
Score: 6.96293
Type of gen. func.: lgdegf]

$$\frac{8 x^{3} + 4 x^{2} + 2 (-2 x^{3} + 5 x^{2} - 4 x + 1)^{1/2} - 8 x + 1}{(4 x^{2} + 2 x - 1) (-1 + 2 x)}$$

Sequence: A220468
Score: 8.07443
Type of gen. func.: ogf

$$-\frac{6 x^{9} + 2 x^{8} + 4 x^{7} + 5 x^{6} + 2 x^{5} + 3 x^{4} + 4 x^{3} + 2 x^{2} + 10 x + 1}{(x - 1) (x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A220469
Score: 5.99634
Type of gen. func.: ogf

$$- 1/(x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x - 1)$$

Sequence: A220493
Score: 5.78064
Type of gen. func.: ogf

$$- 1/(x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x - 1)$$

Sequence: A220509
Score: 8.13343
Type of gen. func.: ogf

$$\frac{11 x^{4} - 6 x^{3} + 8 x^{2} - 1}{(3 x - 1) (x - 1)^{4}}$$

Sequence: A220511
Score: 5.59146
Type of gen. func.: ogf

$$\frac{29 x^{6} + 30 x^{5} + 459 x^{4} - 46 x^{3} + 9 x^{2} - 1}{(5 x - 1) (x - 1)^{6}}$$

Sequence: A220528
Score: 4.00816
Type of gen. func.: ogf

$$\frac{55 x^{8} + 546 x^{7} + 8966 x^{6} + 14692 x^{5} + 6726 x^{4} - 694 x^{3} - 50 x^{2} - 1}{(7 x - 1) (x - 1)^{8}}$$

Sequence: A220538
Score: 3.64568
Type of gen. func.: ogf

$$(9 x^{11} - 24 x^{10} + 38 x^{9} - 39 x^{8} + 43 x^{7} - 33 x^{6} + 42 x^{5} - 36 x^{4} + 18 x^{3} - 7 x^{2}$$

$$/$$

```
     + 1)  /  ((x + 1) (-1 + 2 x)
          /

        7      6      5    4      3      2
    (3 x  - 5 x  + 4 x  - x  + 6 x  - 3 x  + 3 x - 1))


------------------------------------------------------------------------------

Sequence:  A220542
Score: 4.45108
Type of gen. func.: ogf


           9       8       7       6       5       4      3      2
    2 (12 x  + 45 x  + 68 x  + 68 x  + 58 x  + 30 x  + 8 x  + 2 x  - 2 x + 1)
  - -------------------------------------------------------------------------
                                         2         2
                             (4 x - 1) (x  + x - 1)


------------------------------------------------------------------------------

Sequence:  A220547
Score: 4.49311
Type of gen. func.: ogf


-(125 f(x) + 158)

           4         3           2    3               2
    (f(x) x  + f(x) x  - 3 f(x) x  + x  - 3 f(x) x + x  + f(x) - 2 x - 2)


------------------------------------------------------------------------------

Sequence:  A220547
Score: 8.46104
Type of gen. func.: ogf


                                           2
                                 (x + 1) (x  - 2)
                           - ------------------------
                              4    3      2
                             x  + x  - 3 x  - 3 x + 1


------------------------------------------------------------------------------

Sequence:  A220548
Score: 5.01611
Type of gen. func.: ogf


                      6      5      4       3    2
                     x  - 4 x  - 2 x  + 14 x  + x  - 11 x - 3
               - ------------------------------------------------
                   2            5      4      3      2
                 (x  - x - 1) (x  - 3 x  - 5 x  + 9 x  + 7 x - 1)


------------------------------------------------------------------------------

Sequence:  A220558
Score: 3.88078
```

Type of gen. func.: ogf

$$(3913031 f(x) - 2913221) (f(x) x^4 - 7 f(x) x^3 + 17 f(x) x^2 - 11 f(x) x + 2 x^2 + f(x) + 8 x - 5)$$

Sequence: A220558
Score: 7.81621
Type of gen. func.: ogf

$$- \frac{2 x^2 + 8 x - 5}{x^4 - 7 x^3 + 17 x^2 - 11 x + 1}$$

Sequence: A220559
Score: 2.81683
Type of gen. func.: ogf

$$(2158057200452826142 + 445987552613616063 f(x)) (5 f(x) x^4 - 47 f(x) x^3 + 23 x^4 + 62 f(x) x^2 - 144 x^3 - 21 f(x) x + 29 x^2 + f(x) + 19 x - 8)$$

Sequence: A220559
Score: 5.69425
Type of gen. func.: ogf

$$- \frac{23 x^4 - 144 x^3 + 29 x^2 + 19 x - 8}{(x - 1) (5 x^3 - 42 x^2 + 20 x - 1)}$$

Sequence: A220563
Score: 11.2698
Type of gen. func.: ogf

$$- \frac{x^3 - 3 x - 1}{(x + 1) (x^3 - x^2 - 3 x + 1)}$$

Sequence: A220563
Score: 5.9779
Type of gen. func.: ogf

$$(138 f(x) - 173) (f(x) x^4 - 4 f(x) x^2 + x^3 - 2 f(x) x + f(x) - 3 x - 1)$$

Sequence: A220564
Score: 4.42338
Type of gen. func.: ogf

$$- \frac{(x - 1) (x^5 - x^4 - 9 x^3 + 7 x^2 + 10 x + 1)}{(x^2 - x - 1) (x^5 - x^4 - 9 x^3 + 9 x^2 + 5 x - 1)}$$

Sequence: A220574
Score: 6.12167
Type of gen. func.: ogf

$$\frac{8 x^5 + 4 x^4 + 10 x^3 + 12 x^2 + 9 x + 4}{16 x^5 + 12 x^4 - 2 x^3 - 4 x^2 - 3 x + 1}$$

Sequence: A220588
Score: 10.6661
Type of gen. func.: ogf

$$- \frac{x^3 - 7 x^2 + 5 x - 1}{(-1 + 2 x) (x - 1)^3}$$

Sequence: A220588
Score: 5.74325
Type of gen. func.: ogf

$$-(11 f(x) + 20)$$

$$(2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 + x^3 - 5 f(x) x - 7 x^2 + f(x) + 5 x - 1)$$

Sequence: A220588
Score: 8.46687
Type of gen. func.: lgdogf

$$-\frac{2 x^{4} - 24 x^{3} + 20 x^{2} - 4 x}{2 x^{5} - 17 x^{4} + 32 x^{3} - 24 x^{2} + 8 x - 1}$$

Sequence: A220589
Score: 7.10437
Type of gen. func.: lgdogf

$$\frac{2 I}{x (x + 1)^{1/2} (3 x - 1)^{1/2}} - \frac{3 x + 2}{(x + 1) x}$$

Sequence: A220590
Score: 4.16432
Type of gen. func.: ogf

$$-(401 f(x) + 93) \left(2 f(x) x^{4} - 2 f(x) x^{3} - 7 f(x) x^{2} + 2 x^{3} - 3 f(x) x - 2 x^{2} + f(x) - 5 x - 1 \right)$$

Sequence: A220590
Score: 7.78782
Type of gen. func.: ogf

$$-\frac{(x + 1) (2 x^{2} - 4 x - 1)}{2 x^{4} - 2 x^{3} - 7 x^{2} - 3 x + 1}$$

Sequence: A220597
Score: 4.08322
Type of gen. func.: ogf

$$-\frac{2 x^{7} + 5 x^{6} - 23 x^{5} - 16 x^{4} - 7 x^{3} - 16 x^{2} - x - 1}{(x^{2} - x + 1) (2 x^{6} + 7 x^{5} - 17 x^{4} - 33 x^{3} - 13 x^{2} - 5 x + 1)}$$

Sequence: A220611
Score: 6.82943
Type of gen. func.: ogf

$$-\frac{6 x^4 - 5 x^3 - 9 x^2 + 5 x + 1}{6 x^5 - 5 x^4 - 11 x^3 + 6 x^2 + 3 x - 1}$$

Sequence: A220616
Score: 4.04319
Type of gen. func.: ogf

$$(50617 f(x) + 12590)$$

$$(4 f(x) x^4 - 10 f(x) x^3 - 4 f(x) x^2 + 4 x^3 + 7 f(x) x - 10 x^2 - f(x) + 3)$$

Sequence: A220616
Score: 7.70901
Type of gen. func.: ogf

$$-\frac{(2 x + 1) (2 x^2 - 6 x + 3)}{4 x^4 - 10 x^3 - 4 x^2 + 7 x - 1}$$

Sequence: A220622
Score: 5.54861
Type of gen. func.: ogf

$$-\frac{3 x^5 - 8 x^4 + 13 x^3 + 29 x^2 - 16 x - 1}{3 x^6 - 8 x^5 + 12 x^4 + 32 x^3 - 22 x^2 - 6 x + 1}$$

Sequence: A220629
Score: 6.44914
Type of gen. func.: ogf

$$(x^2 + x + 1) (x^2 - 3 x - 1)$$

$$- \frac{}{(x + 1) (x^4 - 3 x^3 - 4 x^2 - 5 x + 1)}$$

Sequence: A220633
Score: 4.66399
Type of gen. func.: ogf

$\{a(n + 5) - 4 a(n + 4) + a(n + 3) + 2 a(n + 2), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 12, a(4) = 44\}$

Sequence: A220633
Score: 5.58149
Type of gen. func.: ogf

$$(378 f(x) - 23) (2 f(x) x^3 - x^4 + f(x) x^2 - 3 x^3 - 4 f(x) x + f(x) + 3 x - 1)$$

Sequence: A220633
Score: 9.86874
Type of gen. func.: ogf

$$\frac{(x^2 + x - 1) (x^2 + 2 x - 1)}{(x - 1) (2 x^2 + 3 x - 1)}$$

Sequence: A220634
Score: 4.13967
Type of gen. func.: ogf

$$\frac{4 x^8 + 6 x^7 - 30 x^6 - 42 x^5 - 5 x^4 + 14 x^3 + 12 x^2 - 8 x + 1}{(x - 1) (x^2 + 2 x - 1) (2 x^3 - 3 x^2 - 6 x + 1)}$$

Sequence: A220639
Score: 6.81392
Type of gen. func.: ogf

$$- \frac{x^4 - 3 x^3 + 6 x^2 + 5 x - 1}{}$$

$$(x - 1) (3 x^5 - 7 x^4 + 9 x^3 + 29 x^2 + 7 x - 1)$$

Sequence: A220647
Score: 4.41981
Type of gen. func.: ogf

$$-(797255 f(x) + 256533)$$

$$(6 f(x) x^4 - 8 f(x) x^3 - 3 f(x) x^2 + 6 x^3 - 3 f(x) x - 8 x^2 + f(x) - x - 1)$$

Sequence: A220647
Score: 8.66740
Type of gen. func.: ogf

$$- \frac{6 x^3 - 8 x^2 - x - 1}{6 x^4 - 8 x^3 - 3 x^2 - 3 x + 1}$$

Sequence: A220655
Score: 9.22664
Type of gen. func.: ogf

$$- \frac{24 x^{24} - 24 x^{23} + 6 x^6 - 6 x^5 + 2 x^2 - x - 2}{(x - 1)^2}$$

Sequence: A220656
Score: 9.71013
Type of gen. func.: ogf

$$- \frac{24 x^{24} - 24 x^{23} + 6 x^6 - 6 x^5 + 2 x^2 - 3}{(x - 1)^2}$$

Sequence: A220657
Score: 11.3510
Type of gen. func.: ogf

$$\frac{x\,(x^{24} + x^{6} + x^{2} + x + 1)}{(x - 1)^{2}}$$

Sequence: A220658
Score: 6.08349
Type of gen. func.: ogf

$$-\frac{x\,(x^{15} - x^{14} + x^{12} - x^{11} + x^{9} - x^{8} + x^{6} - x^{5} + x^{4} - x^{2} - 1)}{(x^{2} + 1)\,(x + 1)\,(x - 1)^{2}}$$

Sequence: A220660
Score: 8.23067
Type of gen. func.: ogf

$$\frac{x^{2}\,(24\,x^{32} - 24\,x^{31} + 6\,x^{8} - 6\,x^{7} + 2\,x^{2} - 2\,x + 1)}{(x - 1)^{2}}$$

Sequence: A220661
Score: 7.74642
Type of gen. func.: ogf

$$\frac{24\,x^{34} - 24\,x^{33} + 6\,x^{10} - 6\,x^{9} + 2\,x^{4} - 2\,x^{3} + x^{2} - x + 1}{(x - 1)^{2}}$$

Sequence: A220673
Score: 11.3495
Type of gen. func.: ogf

$$\frac{x^{2} - 10\,x + 5}{5\,x^{2} - 10\,x + 1}$$

Sequence: A220673

Score: 5.88888
Type of gen. func.: ogf

$$\{a(n+3) - 10\,a(n+2) + 5\,a(n+1),\ a(0) = 5,\ a(1) = 40,\ a(2) = 376\}$$

Sequence: A220673
Score: 5.94496
Type of gen. func.: ogf

$$-(1563\,f(x) - 1565)\,(5\,f(x)\,x^2 - 10\,f(x)\,x - x^2 + f(x) + 10\,x - 5)$$

Sequence: A220673
Score: 7.90153
Type of gen. func.: lgdogf

$$-\frac{40\,x^2 - 48\,x + 40}{-5\,x^4 + 60\,x^3 - 126\,x^2 + 60\,x - 5}$$

Sequence: A220676
Score: 4.80560
Type of gen. func.: ogf

$$-\frac{x^6 - 4\,x^5 - x^4 - 6\,x^3 - 14\,x^2 - 7\,x - 1}{(x + 1)\,(x^6 - 5\,x^5 - 2\,x^3 - 8\,x^2 - 3\,x + 1)}$$

Sequence: A220683
Score: 5.85015
Type of gen. func.: ogf

$$-\frac{x^5 + 9\,x^4 + 18\,x^3 + 10\,x^2 + 6\,x + 1}{(x + 1)\,(2\,x^4 + 14\,x^3 + 5\,x^2 + 7\,x - 1)}$$

Sequence: A220699
Score: 3.70273
Type of gen. func.: ogf

$$\{(-n + 1) a(n + 1) + (n - 1) a(n + 2) - a(n + 4) + 2 a(n + 3), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 2\}$$

Sequence: A220700
Score: 4.65893
Type of gen. func.: ogf

$$\{(n + 6) a(n + 1) + (-n - 6) a(n + 2) + a(n + 4) - 2 a(n + 3), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 2\}$$

Sequence: A220705
Score: 6.41943
Type of gen. func.: ogf

$$-\frac{x^5 + 2 x^4 + 2 x^3 + x^2 - 3 x - 1}{(x - 1) (x + 1) (x^4 + 2 x^3 + 2 x^2 + 2 x - 1)}$$

Sequence: A220706
Score: 4.00128
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^8 - x^6 - 3 x^5 + 5 x^4 - 5 x^3 + 9 x^2 - 4 x - 1)}{x^{10} + x^9 - x^8 - 4 x^7 + x^6 + x^5 + 6 x^4 + 3 x^3 - 5 x^2 - 3 x + 1}$$

Sequence: A220709
Score: 6.72759
Type of gen. func.: ogf

$$-\frac{x^6 - 3 x^5 + 2 x^3 - 2 x^2 + 1}{(x - 1) (x + 1) (x^4 - x^3 - 5 x^2 - x + 1)}$$

Sequence: A220710
Score: 4.03823
Type of gen. func.: ogf

$$-\left(8x^{10}-18x^{9}+3x^{8}+18x^{7}-14x^{6}+6x^{5}+8x^{4}-11x^{3}+2x^{2}+2x-1\right) \Big/ \left((x-1)(x+1)(6x^{5}-5x^{4}-11x^{3}+6x^{2}+3x-1)\right)$$

Sequence: A220713
Score: 5.69566
Type of gen. func.: ogf

$$-\frac{x^{5}-3x^{4}-x^{3}+2x^{2}+6x+1}{x^{6}-3x^{5}-2x^{4}+3x^{3}+8x^{2}+2x-1}$$

Sequence: A220720
Score: 6.81042
Type of gen. func.: ogf

$$-\frac{2x^{4}-3x^{3}-5x^{2}-4x-1}{(x+1)(2x^{4}-5x^{3}-4x+1)}$$

Sequence: A220726
Score: 10.7891
Type of gen. func.: ogf

$$-\frac{2x^{3}+x-1}{2x^{4}-x^{2}-3x+1}$$

Sequence: A220726
Score: 5.82421
Type of gen. func.: ogf

$$(31 f(x)-37)(2 f(x) x^{4}-f(x) x^{2}+2x^{3}-3 f(x) x+f(x)+x-1)$$

Sequence: A220733
Score: 6.69783

Type of gen. func.: ogf

$$-\frac{x^4 - 4x^3 - 9x^2 - 3x - 1}{x^5 - 4x^4 - 9x^3 - 3x^2 - 2x + 1}$$

Sequence: A220739
Score: 6.87052
Type of gen. func.: ogf

$$-\frac{x^5 - 2x^4 - x^3 - x^2 + 1}{(x - 1)(x + 1)(x^2 + x + 1)(x^2 - 3x + 1)}$$

Sequence: A220749
Score: 4.37657
Type of gen. func.: ogf

$$-\frac{2(560x^7 - 1187x^6 - 120x^5 - 820x^4 + 1380x^3 + 437x^2 + 16x + 4)}{(16x - 1)(x - 1)^2}$$

Sequence: A220753
Score: 11.9179
Type of gen. func.: ogf

$$-\frac{x^3 - 5x^2 - 4x - 1}{(x - 1)(x + 1)(2x^2 - 1)}$$

Sequence: A220753
Score: 7.23986
Type of gen. func.: ogf

$$-(92 f(x) + 25)(2 f(x) x^4 - 3 f(x) x^2 + x^3 - 5x^2 + f(x) - 4x - 1)$$

Sequence: A220755

Score: 7.71058
Type of gen. func.: ogf

$$\frac{x (3 x^3 + 9 x^2 - 27 x - 1)}{(x - 1) (x^2 - 10 x + 1) (x^2 + 10 x + 1)}$$

Sequence: A220783
Score: 10.0819
Type of gen. func.: ogf

$$- \frac{(x + 1) (x - 2)}{4 x^3 - 6 x^2 - 5 x + 1}$$

Sequence: A220783
Score: 5.21181
Type of gen. func.: ogf

$$-(453 f(x) + 62) (4 f(x) x^3 - 6 f(x) x^2 - 5 f(x) x + x^2 + f(x) - x - 2)$$

Sequence: A220783
Score: 5.39468
Type of gen. func.: ogf

{a(n + 3) - 5 a(n + 2) - 6 a(n + 1) + 4 a(n), a(0) = 2, a(1) = 11, a(2) = 66}

Sequence: A220806
Score: 4.22247
Type of gen. func.: ogf

$$-(25047 f(x) - 21268) (4 f(x) x^4 + 3 f(x) x^3 + 11 f(x) x^2 + 4 x^3 - 7 f(x) x - 4 x^2 + f(x) + 6 x - 2)$$

Sequence: A220806
Score: 8.12012
Type of gen. func.: ogf

$$-\frac{2(2x^3-2x^2+3x-1)}{(4x-1)(x^3+x^2+3x-1)}$$

Sequence: A220838
Score: 7.84964
Type of gen. func.: ogf

$$-\frac{x^6-x^5+x^4-x^2+2x-1}{(x+1)(x^4+1)(x^2+1)(x-1)^3}$$

Sequence: A220839
Score: 5.39367
Type of gen. func.: ogf

$$-\frac{x^7+x^6-x^4+x^3+2x^2+x-1}{(x-1)(x^2+x+1)(x^4-x^3-2x^2-x+1)(x^6+x^3+1)}$$

Sequence: A220864
Score: 6.07292
Type of gen. func.: ogf

$$-\frac{2(18x^7-71x^6-104x^5+467x^4-6x^3-333x^2+36x+25)}{(x-1)(x+1)(x^2-4x+1)(x^2+2x-1)(x^2-2x-1)}$$

Sequence: A220867
Score: 3.75075
Type of gen. func.: ogf

$$-\frac{2(3x^6-11x^5-19x^4+74x^3-7x^2-3x-1)}{(x^2-4x+1)(x^2+2x-1)(x^2-2x-1)}$$

Sequence: A220868

Score: 3.29530
Type of gen. func.: ogf

$$-\frac{3x^7-5x^6-33x^5+27x^4+61x^3+45x^2-15x-3}{(x+1)(x^2-4x+1)(x^2+2x-1)(x^2-2x-1)}$$

Sequence: A220874
Score: 6.79695
Type of gen. func.: ogf

$$-\frac{2x^5+12x^4-26x^3+20x^2-7x+1}{(x-1)(-1+2x)^4}$$

Sequence: A220878
Score: 7.43099
Type of gen. func.: revogf

$$\frac{6x^2+x-1+(36x^4-36x^3+17x^2-6x+1)^{1/2}}{2(3x-1)}$$

Sequence: A220878
Score: 7.43099
Type of gen. func.: ogf

$$6f(x)^2x^2-4f(x)^2x-3f(x)x^2+f(x)x+f(x)+x-1$$

Sequence: A220885
Score: 11.5504
Type of gen. func.: ogf

$$\frac{x^5+2x^4-x^3-x^2+3x+5}{(x-1)(x^3+x^2-1)}$$

Sequence: A220888

Score: 10.6028
Type of gen. func.: ogf

$$-\frac{x^4 (x+2)}{(x^2+x-1)(x-1)^4}$$

Sequence: A220888
Score: 10.9907
Type of gen. func.: lgdogf

$$-\frac{5x^3+15x^2+3x-11}{x^4+2x^3-2x^2-3x+2}$$

Sequence: A220889
Score: 10.5653
Type of gen. func.: lgdogf

$$-\frac{5x^3+11x^2+2x-8}{x^4+x^3-2x^2-x+1}$$

Sequence: A220889
Score: 8.30862
Type of gen. func.: ogf

$$\frac{x^4 (x+1)^2}{(x^2+x-1)(x-1)^5}$$

Sequence: A220892
Score: 8.90693
Type of gen. func.: ogf

$$\frac{x^4+8x^3+22x^2+8x+1}{(x-1)^6}$$

Sequence: A220892
Score: 9.07988
Type of gen. func.: lgdogf

$$-\frac{2x^4+28x^3+112x^2+84x+14}{x^5+7x^4+14x^3-14x^2-7x-1}$$

Sequence: A220893
Score: 7.54137
Type of gen. func.: ogf

$$\frac{(x+1)^6}{x^4-8x^3+22x^2-8x+1}$$

Sequence: A220893
Score: 7.68781
Type of gen. func.: lgdogf

$$-\frac{-2x^4+28x^3-112x^2+84x-14}{x^5-7x^4+14x^3+14x^2-7x+1}$$

Sequence: A220898
Score: 4.19738
Type of gen. func.: ogf

$$\{(23n^2+23n)a(n)+(42n^2+124n+82)a(n+1)+(15n^2+71n+86)a(n+2)+(-4n^2-30n-56)a(n+3),\ a(0)=2,\ a(1)=1,\ a(2)=1\}$$

Sequence: A220898
Score: 6.99562
Type of gen. func.: ogf

2 3 2 2 2 2 2

$$-x f(x) - 2 f(x) x - 2 f(x) x + 17 f(x) x + 16 f(x) x - 25 x - f(x) - 23 x + 2$$

Sequence: A220902
Score: 9.39757
Type of gen. func.: ogf

$$-f(x)^2 x^3 + f(x) x^2 - 3 f(x) x - x^2 + f(x) + 2 x - 2$$

Sequence: A220910
Score: 5.44215
Type of gen. func.: ogf

$\{(48 n + 72) a(n + 1) + (8 n - 10) a(n + 2) + (-3 - n) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 3\}$

Sequence: A220910
Score: 8.85798
Type of gen. func.: ogf

$$-16 f(x)^2 x^2 - 8 f(x)^2 x - f(x)^2 + 36 f(x) x + f(x) - 27 x$$

Sequence: A220926
Score: 3.61939
Type of gen. func.: ogf

$$(2 x^{11} - 11 x^{10} + 8 x^9 + 65 x^8 - 172 x^7 + 153 x^6 + x^5 - 122 x^4 + 123 x^3 - 68 x^2 + 23 x - 4) / (x - 1)^9$$

Sequence: A220932
Score: 12.5821
Type of gen. func.: ogf

$$-\frac{2 (3 x + 1)}{(x + 1) (6 x - 1)}$$

Sequence: A220932
Score: 6.0881
Type of gen. func.: ogf

$$-(625 f(x) + 798) (6 f(x) x^2 + 5 f(x) x - f(x) + 6 x + 2)$$

Sequence: A220932
Score: 6.82160
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) - 6 a(n), a(0) = 2, a(1) = 16\}$$

Sequence: A220932
Score: 8.32637
Type of gen. func.: lgdogf

$$-\frac{-18 x^2 - 12 x - 8}{-18 x^3 - 21 x^2 - 2 x + 1}$$

Sequence: A220939
Score: 4.11075
Type of gen. func.: ogf

$$-\frac{x^6 - 10 x^5 + 33 x^4 - 30 x^3 - 20 x^2 + 7 x + 1}{(x - 1) (x^6 - 32 x^5 + 60 x^4 - 2 x^3 + 20 x^2 - 12 x + 1)}$$

Sequence: A220944
Score: 12.2391
Type of gen. func.: ogf

$$-\frac{x^3 - 5 x^2 - 3 x - 1}{(x - 1) (x + 1) (3 x^2 - 1)}$$

Sequence: A220944
Score: 7.43496
Type of gen. func.: ogf

$$\{a(n + 4) - 4 a(n + 2) + 3 a(n), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 11\}$$

Sequence: A220944
Score: 7.57658
Type of gen. func.: ogf

$$-(6 f(x) + 1) (3 f(x) x^4 - 4 f(x) x^2 + x^3 - 5 x^2 + f(x) - 3 x - 1)$$

Sequence: A220946
Score: 12.0737
Type of gen. func.: ogf

$$-\frac{x^3 - 2 x^2 - 2 x - 1}{(x - 1) (x + 1) (3 x^2 - 1)}$$

Sequence: A220946
Score: 7.26658
Type of gen. func.: ogf

$$-(228 f(x) - 31) (3 f(x) x^4 - 4 f(x) x^2 + x^3 - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A220948
Score: 9.10101
Type of gen. func.: ogf

$$\frac{(3 x - 1) (x - 1)^2}{x^5 - 15 x^4 + 35 x^3 - 28 x^2 + 9 x - 1}$$

Sequence: A220971
Score: 4.42116
Type of gen. func.: ogf

9 8 7 6 5 4 3 2

```
      8 x  - 14 x  + 21 x  - 15 x  - 2 x  + 6 x  - 11 x  + 9 x  - 6 x + 2
      -------------------------------------------------------------------
                                  5      4      3      2
           (x + 1) (-1 + 2 x) (4 x  - 5 x  + 6 x  - 3 x  + 3 x - 1)
```

Sequence: A220978
Score: 10.4851
Type of gen. func.: ogf

```
                                            2
                                   (3 x + 1)
                         - ---------------------------
                           (x - 1) (3 x - 1) (9 x - 1)
```

Sequence: A220978
Score: 5.59203
Type of gen. func.: ogf

```
(4777 f(x) - 2964)

              3             2                  2
    (27 f(x) x  - 39 f(x) x  + 13 f(x) x + 9 x  - f(x) + 6 x + 1)
```

Sequence: A220978
Score: 5.68681
Type of gen. func.: ogf

```
{a(n + 3) - 13 a(n + 2) + 39 a(n + 1) - 27 a(n), a(0) = 1, a(1) = 19,

    a(2) = 217}
```

Sequence: A220978
Score: 8.38805
Type of gen. func.: lgdogf

```
                                3       2
                           -81 x  - 81 x  + 117 x - 19
                         - ---------------------------
                                 4       3
                            -81 x  + 90 x  - 10 x + 1
```

Sequence: A220979
Score: 3.94036
Type of gen. func.: ogf

```
                         4            3           2
```

$$-\frac{4296875 x + 2662500 x + 464450 x + 4260 x + 11}{(x - 1) (125 x - 1) (25 x - 1) (625 x - 1) (5 x - 1)}$$

Sequence: A220980
Score: 3.84816
Type of gen. func.: ogf

$$-\frac{27734375 x^{4} - 22687500 x^{3} + 2417450 x^{2} - 36300 x + 71}{(x - 1) (125 x - 1) (25 x - 1) (625 x - 1) (5 x - 1)}$$

Sequence: A220989
Score: 3.7375
Type of gen. func.: ogf

$$(396808837 f(x) - 465856068)$$

$$(1728 f(x) x^{3} - 1884 f(x) x^{2} + 157 f(x) x + 1008 x^{2} - f(x) + 558 x + 7)$$

Sequence: A220989
Score: 4.08789
Type of gen. func.: ogf

$$\{a(n + 3) - 157 a(n + 2) + 1884 a(n + 1) - 1728 a(n), a(0) = 7, a(1) = 1657,$$

$$a(2) = 247969\}$$

Sequence: A220989
Score: 7.07095
Type of gen. func.: ogf

$$-\frac{1008 x^{2} + 558 x + 7}{(x - 1) (12 x - 1) (144 x - 1)}$$

Sequence: A220990
Score: 3.72918
Type of gen. func.: ogf

$$(396808837 f(x) - 28194996)$$

$$^{3} \qquad ^{2} \qquad ^{2}$$

```
    (1728 f(x) x  - 1884 f(x) x  + 157 f(x) x + 2736 x  - f(x) - 1182 x + 19)



--------------------------------------------------------------------------------

Sequence:  A220990
Score: 4.07609
Type of gen. func.: ogf


{-a(n + 3) + 157 a(n + 2) - 1884 a(n + 1) + 1728 a(n), a(0) = 19, a(1) = 1801,

    a(2) = 249697}



--------------------------------------------------------------------------------

Sequence:  A220990
Score: 6.91862
Type of gen. func.: ogf


                                        2
                                  2736 x  - 1182 x + 19
                            - ------------------------------
                              (x - 1) (12 x - 1) (144 x - 1)



--------------------------------------------------------------------------------

Sequence:  A220997
Score: 4.02139
Type of gen. func.: ogf


(50543 f(x) - 198)

                4             3             2                   2
    (2 f(x) x  + 12 f(x) x  + 11 f(x) x  - 11 f(x) x + 2 x  + f(x) + 2 x - 3)



--------------------------------------------------------------------------------

Sequence:  A220997
Score: 7.70765
Type of gen. func.: ogf


                                        2
                                     2 x  + 2 x - 3
                           - -------------------------------
                                 4       3        2
                              2 x  + 12 x  + 11 x  - 11 x + 1



--------------------------------------------------------------------------------

Sequence:  A221002
Score: 6.65375
Type of gen. func.: ogf


                            4            3            2
                2 (84672 x  - 205344 x  + 181436 x  - 69284 x + 10779)
              - -------------------------------------------------------
                                                 2            2
```

$$(x - 1) (4 x - 1) (-1 + 2 x)$$

Sequence: A221003
Score: 3.08732
Type of gen. func.: ogf

$$- (7432704 x^6 - 23912064 x^5 + 31269536 x^4 - 21796184 x^3 + 8511316 x^2 - 1859738 x + 192133) / ((x - 1) (4 x - 1)^3 (-1 + 2 x)^3)$$

Sequence: A221004
Score: 9.06244
Type of gen. func.: ogf

$$- \frac{3 (13952 x^4 - 25152 x^3 + 17408 x^2 - 4806 x + 479)}{(x - 1) (4 x - 1)^2 (-1 + 2 x)^2}$$

Sequence: A221005
Score: 4.53218
Type of gen. func.: ogf

$$- (868864 x^6 - 2246848 x^5 + 2406976 x^4 - 1412380 x^3 + 450880 x^2 - 72343 x + 4797) / ((x - 1) (4 x - 1)^3 (-1 + 2 x)^3)$$

Sequence: A221006
Score: 3.46775
Type of gen. func.: ogf

$$\{(-48 n - 232) a(n + 1) + (84 n + 394) a(n + 2) + (-42 n - 185) a(n + 3) + (6 n + 23) a(n + 4), a(0) = 1296, a(1) = 14526, a(2) = 107082, a(3) = 649890\}$$

Sequence: A221006
Score: 4.57579
Type of gen. func.: ogf

$$(261381515 f(x) + 75800614854) (32 f(x) x^4 - 64 f(x) x^3 + 42 f(x) x^2 + 864 x^3 - 11 f(x) x - 1728 x^2 + f(x) - 270 x - 1296)$$

Sequence: A221006
Score: 8.49789
Type of gen. func.: ogf

$$-\frac{54 (16 x^3 - 32 x^2 - 5 x - 24)}{(-1 + 2 x) (x - 1) (4 x - 1)^2}$$

Sequence: A221007
Score: 5.98785
Type of gen. func.: ogf

$$-\frac{3 (1792 x^4 - 3824 x^3 + 5976 x^2 + 4421 x + 1490)}{(-1 + 2 x) (x - 1) (4 x - 1)^3}$$

Sequence: A221008
Score: 3.46996
Type of gen. func.: ogf

$$\{(-168 n - 712) a(n + 1) + (294 n + 1204) a(n + 2) + (-147 n - 560) a(n + 3) + (21 n + 68) a(n + 4), a(0) = 1026, a(1) = 19458, a(2) = 174762, a(3) = 1170810\}$$

Sequence: A221008
Score: 4.59318
Type of gen. func.: ogf

$$(750877299378167 f(x) + 683958001745610092) (32 f(x) x^4 - 64 f(x) x^3 + 42 f(x) x^2 - 11 f(x) x - 3816 x^2 + f(x) - 8172 x - 1026)$$

Sequence: A221008
Score: 6.46033
Type of gen. func.: lgdogf

$$-\frac{-3392 x^4 - 8352 x^3 + 10616 x^2 + 40 x - 1081}{-1696 x^5 - 664 x^4 + 4416 x^3 - 2168 x^2 + 55 x + 57}$$

Sequence: A221008
Score: 9.69049
Type of gen. func.: ogf

$$\frac{18 (212 x^2 + 454 x + 57)}{(-1 + 2 x) (x - 1) (4 x - 1)^2}$$

Sequence: A221009
Score: 4.96014
Type of gen. func.: ogf

$$-\frac{3 (6160 x^3 + 52396 x^2 + 26092 x + 1131)}{(-1 + 2 x) (x - 1) (4 x - 1)^3}$$

Sequence: A221010
Score: 3.90142
Type of gen. func.: ogf

$$(307560491779 f(x) + 48438340325046) (32 f(x) x^4 - 64 f(x) x^3 + 42 f(x) x^2 + 48 x^3 - 11 f(x) x - 990 x^2 + f(x) - 1404 x - 84)$$

Sequence: A221010
Score: 7.62550
Type of gen. func.: ogf

$$-\frac{6 (8 x^3 - 165 x^2 - 234 x - 14)}{(-1 + 2 x) (x - 1) (4 x - 1)^2}$$

Sequence: A221011
Score: 6.51245
Type of gen. func.: ogf

$$-\frac{3 (160 x^4 + 1564 x^3 + 5895 x^2 + 2183 x + 53)}{(-1 + 2 x) (x - 1) (4 x - 1)^3}$$

Sequence: A221012
Score: 7.54017
Type of gen. func.: ogf

$$\frac{104 (204 x^3 + 211 x^2 - 115 x - 12)}{(x - 1) (4 x - 1)^2 (-1 + 2 x)^2}$$

Sequence: A221013
Score: 4.65294
Type of gen. func.: ogf

$$-\frac{2 (150336 x^5 + 635520 x^4 - 382948 x^3 - 94376 x^2 + 54917 x + 1861)}{(x - 1) (4 x - 1)^3 (-1 + 2 x)^3}$$

Sequence: A221014
Score: 6.80583
Type of gen. func.: ogf

$$\frac{18 (80 x^3 + 412 x^2 - 122 x - 37)}{(x - 1) (4 x - 1)^2 (-1 + 2 x)^2}$$

Sequence: A221015
Score: 4.13175
Type of gen. func.: ogf

5 4 3 2

$$-\frac{3\,(6208\,x + 38816\,x + 676\,x - 23296\,x + 5491\,x + 644)}{(x - 1)\,(4\,x - 1)^3\,(-1 + 2\,x)^3}$$

Sequence: A221016
Score: 6.03994
Type of gen. func.: ogf

$$-\frac{4\,(141376\,x^4 - 221152\,x^3 + 133508\,x^2 - 33952\,x + 3107)}{(x - 1)\,(4\,x - 1)^2\,(-1 + 2\,x)^2}$$

Sequence: A221017
Score: 3.80857
Type of gen. func.: ogf

$$- 2\,(7997440\,x^6 - 18447232\,x^5 + 17320448\,x^4 - 8881336\,x^3 + 2563836\,x^2 - 385358\,x + 23875) \Big/ \left((x - 1)\,(4\,x - 1)^3\,(-1 + 2\,x)^3\right)$$

Sequence: A221022
Score: 3.37302
Type of gen. func.: ogf

$$(3669033650231654016\,f(x) + 223927062347210452007)$$

$$(-1664\,x^4 + 64\,f(x)\,x^2 - 4216\,x^3 - 20\,f(x)\,x - 626\,x^2 + f(x) - 8\,x - 8)$$

Sequence: A221022
Score: 6.70335
Type of gen. func.: ogf

$$\frac{2\,(832\,x^4 + 2108\,x^3 + 313\,x^2 + 4\,x + 4)}{(16\,x - 1)\,(4\,x - 1)}$$

Sequence: A221023
Score: 3.25592
Type of gen. func.: ogf

$$-(537982858004821548032 f(x) - 3780472878729890579202977) (1152 x^4 + 128 f(x) x^2 - 45124 x^3 - 36 f(x) x - 6079 x^2 + f(x) - 150 x - 16)$$

Sequence: A221023
Score: 6.62675
Type of gen. func.: ogf

$$-\frac{1152 x^4 - 45124 x^3 - 6079 x^2 - 150 x - 16}{(32 x - 1) (4 x - 1)}$$

Sequence: A221030
Score: 6.63570
Type of gen. func.: ogf

$$-\frac{3 x^4 - 5 x^3 + 4 x^2 - x - 4}{2 x^5 - 5 x^4 + x^3 + 8 x^2 - 8 x + 1}$$

Sequence: A221042
Score: 6.62214
Type of gen. func.: lgdogf

$$-\frac{2187 x^4 - 1458 x^3 - 72 x^2 - 198 x + 53}{729 x^5 - 972 x^4 + 288 x^3 - 66 x^2 + 23 x - 2}$$

Sequence: A221042
Score: 8.38804
Type of gen. func.: ogf

$$-\frac{4 (27 x^2 + 3 x + 2)}{(x - 1) (9 x - 1)^2 (3 x - 1)^2}$$

Sequence: A221043

Score: 4.85169
Type of gen. func.: ogf

$$\frac{243 x^4 + 3807 x^3 - 369 x^2 - 87 x - 10}{(x - 1) (9 x - 1)^3 (3 x - 1)^3}$$

Sequence: A221044
Score: 10.1627
Type of gen. func.: ogf

$$\frac{8 (9 x^2 + 22 x + 1)}{(x - 1) (3 x - 1) (9 x - 1)^2}$$

Sequence: A221044
Score: 3.69980
Type of gen. func.: ogf

$$\{(-108 n - 459) a(n + 1) + (156 n + 651) a(n + 2) + (-52 n - 205) a(n + 3) + (4 n + 13) a(n + 4), a(0) = 8, a(1) = 352, a(2) = 6568, a(3) = 92608\}$$

Sequence: A221044
Score: 5.14651
Type of gen. func.: ogf

$$(350430266 f(x) + 1005685107) (243 f(x) x^4 - 378 f(x) x^3 + 156 f(x) x^2 - 22 f(x) x - 72 x^2 + f(x) - 176 x - 8)$$

Sequence: A221044
Score: 6.98136
Type of gen. func.: lgdogf

$$- \frac{-486 x^4 - 1458 x^3 + 1578 x^2 - 102 x - 44}{-243 x^5 - 243 x^4 + 714 x^3 - 238 x^2 + 9 x + 1}$$

Sequence: A221045
Score: 6.67872
Type of gen. func.: ogf

$$-\frac{2\,(27\,x^3 + 495\,x^2 + 241\,x + 5)}{(x - 1)\,(3\,x - 1)\,(9\,x - 1)^3}$$

Sequence: A221046
Score: 6.68074
Type of gen. func.: lgdogf

$$-\frac{4374\,x^4 - 5832\,x^3 + 2016\,x^2 - 46}{1458\,x^5 - 2673\,x^4 + 1494\,x^3 - 288\,x^2 + 8\,x + 1}$$

Sequence: A221046
Score: 8.38804
Type of gen. func.: ogf

$$\frac{4\,(54\,x^2 - 21\,x - 1)}{(x - 1)\,(9\,x - 1)^2\,(3\,x - 1)^2}$$

Sequence: A221047
Score: 4.86581
Type of gen. func.: ogf

$$-\frac{486\,x^4 - 405\,x^3 - 819\,x^2 + 221\,x + 5}{(x - 1)\,(9\,x - 1)^3\,(3\,x - 1)^3}$$

Sequence: A221049
Score: 12.4236
Type of gen. func.: ogf

$$-\frac{x^3 - 3\,x^2 - 2\,x - 1}{(x - 1)\,(2\,x + 1)\,(-1 + 2\,x)\,(x + 1)}$$

Sequence: A221049
Score: 7.47719
Type of gen. func.: ogf

$$-(792 f(x) - 65) (4 f(x) x^4 - 5 f(x) x^2 + x^3 - 3 x^2 + f(x) - 2 x - 1)$$

Sequence: A221050
Score: 7.28839
Type of gen. func.: ogf

$$\frac{14 (8 x^3 + 10 x^2 - 33 x - 3)}{(x - 1) (4 x - 1)^2 (-1 + 2 x)^2}$$

Sequence: A221051
Score: 4.40691
Type of gen. func.: ogf

$$-\frac{2752 x^5 - 17696 x^4 - 17716 x^3 + 4376 x^2 + 2347 x + 71}{(x - 1) (4 x - 1)^3 (-1 + 2 x)^3}$$

Sequence: A221052
Score: 5.27067
Type of gen. func.: ogf

$$\frac{4544 x^4 + 144096 x^3 + 28316 x^2 - 46752 x - 2071}{(x - 1) (4 x - 1)^2 (-1 + 2 x)^2}$$

Sequence: A221053
Score: 3.70746
Type of gen. func.: ogf

$$4 (1536 x^6 - 1645696 x^5 - 1592416 x^4 + 2192808 x^3 - 189320 x^2 - 147032 x - 2145) / ((x - 1) (4 x - 1)^3 (-1 + 2 x)^3)$$

/

Sequence: A221059
Score: 4.99058
Type of gen. func.: ogf

$$-\frac{16x^5+4x^4+32x^3+44x^2+7x-4}{32x^6+8x^5+80x^4+104x^3+10x^2-11x+1}$$

Sequence: A221063
Score: 3.31512
Type of gen. func.: ogf

$$-(24x^{11}+138x^{10}+332x^9+444x^8+366x^7+196x^6+77x^5+33x^4+15x^3-7x^2+x+1) \Big/ \left((x+1)(4x-1)(x-1)^2(x^2+x-1)^2\right)$$

Sequence: A221066
Score: 7.70445
Type of gen. func.: ogf

$$-\frac{2(x+1)(3x^3+x^2-x-1)}{6x^5+5x^4-4x^3-2x^2-2x+1}$$

Sequence: A221073
Score: 6.62237
Type of gen. func.: ogf

$$\frac{x^{10}-2x^8-6x^6+12x^4-4x^3+x^2-4x-2}{(x-1)(x+1)(x^4+2x^2-1)(x^4-2x^2-1)}$$

Sequence: A221074
Score: 4.49232
Type of gen. func.: ogf

$$\frac{x^{10} - 2 x^{8} - 10 x^{6} + 20 x^{4} - 8 x^{3} + x^{2} - 8 x - 2}{(x - 1) (x + 1) (x^{8} - 10 x^{4} + 1)}$$

Sequence: A221075
Score: 4.87054
Type of gen. func.: ogf

$$\frac{x^{10} - 2 x^{8} - 14 x^{6} + 28 x^{4} - 12 x^{3} + x^{2} - 12 x - 2}{(x - 1) (x + 1) (x^{4} - 4 x^{2} + 1) (x^{4} + 4 x^{2} + 1)}$$

Sequence: A221076
Score: 5.17845
Type of gen. func.: ogf

$$\frac{x^{10} - 2 x^{8} - 18 x^{6} + 36 x^{4} - 16 x^{3} + x^{2} - 16 x - 2}{(x - 1) (x + 1) (x^{4} - 4 x^{2} - 1) (x^{4} + 4 x^{2} - 1)}$$

Sequence: A221082
Score: 11.1081
Type of gen. func.: lgdogf

$$- \frac{18 x - 12}{9 x^{2} - 12 x + 1}$$

Sequence: A221082
Score: 16.6621
Type of gen. func.: ogf

$$\frac{2}{9 x^{2} - 12 x + 1}$$

Sequence: A221082
Score: 6.66486

Type of gen. func.: ogf

$$(209 f(x) + 94) (9 f(x) x^2 - 12 f(x) x + f(x) - 2)$$

Sequence: A221082
Score: 6.74420
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 9 a(n), a(0) = 2, a(1) = 24\}$$

Sequence: A221083
Score: 4.24956
Type of gen. func.: ogf

$$(191316713 f(x) + 3791387)$$

$$(64 f(x) x^3 - 180 f(x) x^2 + 45 f(x) x + 4 x^2 - f(x) - 11 x + 4)$$

Sequence: A221083
Score: 4.56564
Type of gen. func.: ogf

$$\{a(n + 3) - 45 a(n + 2) + 180 a(n + 1) - 64 a(n), a(0) = 4, a(1) = 169,$$

$$a(2) = 6889\}$$

Sequence: A221083
Score: 8.37033
Type of gen. func.: ogf

$$- \frac{4 x^2 - 11 x + 4}{(4 x - 1) (16 x^2 - 41 x + 1)}$$

Sequence: A221088
Score: 4.89041
Type of gen. func.: ogf

$$-(40587 f(x) + 20024) (f(x) x^4 - 7 f(x) x^3 + x^3 + 7 f(x) x - 4 x^2 - f(x) + 4 x)$$

Sequence: A221088
Score: 6.14933
Type of gen. func.: lgdogf

$$-\frac{-2x^4+15x^3-42x^2+7x+12}{-x^5+9x^4-14x^3-7x^2+15x-2}$$

Sequence: A221088
Score: 9.55511
Type of gen. func.: ogf

$$-\frac{x(x-2)^2}{(x-1)(x+1)(x^2-7x+1)}$$

Sequence: A221089
Score: 4.81964
Type of gen. func.: ogf

$$-\frac{x(6480x^5-5103x^4-528x^3+409x^2-114x+16)}{(27x^2-1)(27x^2-24x+1)}$$

Sequence: A221110
Score: 5.22045
Type of gen. func.: ogf

$$\frac{x(-1+2x)(8x^2+11x-7)}{(x-1)(x^5-19x^4+269x^3-182x^2+28x-1)}$$

Sequence: A221121
Score: 12.2702
Type of gen. func.: ogf

$$-\frac{8(x-1)}{}$$

$$41 x^2 - 26 x + 1$$

Sequence: A221121
Score: 6.47976
Type of gen. func.: ogf

$$(71 f(x) + 57) (41 f(x) x^2 - 26 f(x) x + f(x) + 8 x - 8)$$

Sequence: A221121
Score: 6.70580
Type of gen. func.: ogf

$$\{-a(n + 2) + 26 a(n + 1) - 41 a(n), a(0) = 8, a(1) = 200\}$$

Sequence: A221121
Score: 8.23856
Type of gen. func.: lgdogf

$$- \frac{-41 x^2 + 82 x - 25}{-41 x^3 + 67 x^2 - 27 x + 1}$$

Sequence: A221122
Score: 3.79847
Type of gen. func.: ogf

$$- \frac{2880 x^5 + 1200 x^4 - 4307 x^3 + 2030 x^2 - 339 x + 21}{2025 x^5 - 13300 x^4 + 8230 x^3 - 1680 x^2 + 109 x - 1}$$

Sequence: A221126
Score: 5.66277
Type of gen. func.: ogf

$$\frac{x^5 + 9 x^4 - 7 x^3 - 20 x^2 + 10 x + 1}{2 x^4 + 12 x^3 + 11 x^2 - 11 x + 1}$$

Sequence: A221130
Score: 12.0840
Type of gen. func.: ogf

$$-\frac{2x^2 - 8x + 3}{(4x - 1)(x - 1)^2}$$

Sequence: A221130
Score: 6.30019
Type of gen. func.: ogf

$$(9333 f(x) + 9526) (4 f(x) x^3 - 9 f(x) x^2 + 6 f(x) x + 2 x^2 - f(x) - 8 x + 3)$$

Sequence: A221130
Score: 6.46600
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 9 a(n + 1) - 4 a(n), a(0) = 3, a(1) = 10, a(2) = 35\}$$

Sequence: A221130
Score: 8.57121
Type of gen. func.: lgdogf

$$-\frac{-8x^3 + 56x^2 - 40x + 10}{-8x^4 + 42x^3 - 54x^2 + 23x - 3}$$

Sequence: A221145
Score: 17.6515
Type of gen. func.: lgdegf]

$$-\frac{x^5 - 3x^3 + 4x^2}{x^4 - x^3 - x^2 + 2x - 1}$$

Sequence: A221145
Score: 3.60073
Type of gen. func.: ogf

$$\{(n^3 + 12 n^2 + 47 n + 60) a(n + 1) + (n^2 + 8 n + 15) a(n + 3) + (-n - 4) a(n + 4), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 8\}$$

Sequence: A221145
Score: 8.46172
Type of gen. func.: lgdegf]

$$-\frac{x^5 - 3 x^3 + 4 x^2}{x^4 - x^3 - x^2 + 2 x - 1}$$

Sequence: A221159
Score: 33.3629
Type of gen. func.: lgdegf]

$$8 \exp(x)$$

Sequence: A221159
Score: 98.5663
Type of gen. func.: lgdegf]

$$8 \exp(x)$$

Sequence: A221160
Score: 11.9103
Type of gen. func.: lgdegf]

$$-\frac{4 x - 5}{-16 x^3 + 16 x^2 - 7 x + 1}$$

Sequence: A221160
Score: 12.7926
Type of gen. func.: egf]

$$\frac{4 x^{2} - 3 x + 1}{(4 x - 1)^{2}}$$

Sequence: A221160
Score: 3.45399
Type of gen. func.: ogf

$$\{(-8 n^{2} - 8 n) a(n) + (-4 n^{2} - 14 n - 8) a(n + 1) + (4 n^{2} + 29 n + 47) a(n + 2)$$
$$+ (-3 - n) a(n + 3), a(0) = 1, a(1) = 5, a(2) = 56\}$$

Sequence: A221160
Score: 7.27157
Type of gen. func.: egf]

$$(9 + 16 f(x)) (16 f(x) x^{2} - 8 f(x) x - 4 x^{2} + f(x) + 3 x - 1)$$

Sequence: A221161
Score: 12.8461
Type of gen. func.: egf]

$$- \frac{4 x^{2} + x - 1}{(4 x - 1)^{2}}$$

Sequence: A221161
Score: 13.8738
Type of gen. func.: lgdegf]

$$- \frac{12 x - 7}{16 x^{3} - 5 x + 1}$$

Sequence: A221161
Score: 3.40044
Type of gen. func.: ogf

$$^{2} \qquad\qquad ^{2}$$

```
{(24 n  + 24 n) a(n) + (20 n  + 74 n + 72) a(n + 1)

           2
     + (4 n  + 23 n + 37) a(n + 2) + (-3 - n) a(n + 3), a(0) = 1, a(1) = 7,

    a(2) = 72}
```

Sequence: A221161
Score: 7.22593
Type of gen. func.: egf]

```
                                       2                  2
          (16 f(x) + 33) (16 f(x) x  - 8 f(x) x + 4 x  + f(x) + x - 1)
```

Sequence: A221162
Score: 4.5118
Type of gen. func.: ogf

```
                                   3             2                 2
(2826079 f(x) - 57968) (f(x) x  - 26 f(x) x  + 13 f(x) x + x  - f(x) - 6 x + 3)
```

Sequence: A221162
Score: 4.74317
Type of gen. func.: ogf

```
 {a(n + 3) - 13 a(n + 2) + 26 a(n + 1) - a(n), a(0) = 3, a(1) = 33, a(2) = 352}
```

Sequence: A221162
Score: 8.80875
Type of gen. func.: ogf

```
                                       2
                                      x  - 6 x + 3
                                - ----------------------
                                   3       2
                                  x  - 26 x  + 13 x - 1
```

Sequence: A221163
Score: 3.82420
Type of gen. func.: ogf

```
                   6          5         4          3         2
             188 x  + 1070 x  + 993 x  - 2191 x  + 992 x  - 160 x + 8
          - ------------------------------------------------------------
                               5          4          3         2
              (5 x - 1) (111 x  + 3848 x  - 3340 x  + 807 x  - 59 x + 1)
```

Sequence: A221172
Score: 11.7068
Type of gen. func.: lgdogf

$$-\frac{7 x^2 - 4 x + 3}{7 x^3 + 12 x^2 - 11 x + 2}$$

Sequence: A221172
Score: 17.1700
Type of gen. func.: ogf

$$-\frac{7 x - 2}{x^2 + 2 x - 1}$$

Sequence: A221172
Score: 8.49063
Type of gen. func.: ogf

$$-(50 f(x) + 19) (f(x) x^2 + 2 f(x) x - f(x) + 7 x - 2)$$

Sequence: A221172
Score: 9.42254
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) - a(n), a(0) = -2, a(1) = 3\}$$

Sequence: A221173
Score: 11.5140
Type of gen. func.: lgdogf

$$-\frac{10 x^2 - 6 x + 4}{10 x^3 + 17 x^2 - 16 x + 3}$$

Sequence: A221173
Score: 17.0207
Type of gen. func.: ogf

$$-\frac{10x-3}{x^2+2x-1}$$

Sequence: A221173
Score: 8.99941
Type of gen. func.: ogf

$$(f(x)+11)\,(f(x)\,x^2+2\,f(x)\,x-f(x)+10\,x-3)$$

Sequence: A221173
Score: 9.54817
Type of gen. func.: ogf

$$\{a(n+2)-2\,a(n+1)-a(n),\ a(0)=-3,\ a(1)=4\}$$

Sequence: A221174
Score: 11.6150
Type of gen. func.: lgdogf

$$-\frac{13x^2-8x+5}{13x^3+22x^2-21x+4}$$

Sequence: A221174
Score: 17.1700
Type of gen. func.: ogf

$$-\frac{13x-4}{x^2+2x-1}$$

Sequence: A221174
Score: 9.07836
Type of gen. func.: ogf

$$(2 f(x) + 33) (f(x) x^2 + 2 f(x) x - f(x) + 13 x - 4)$$

Sequence: A221174
Score: 9.63193
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) - a(n), a(0) = -4, a(1) = 5\}$$

Sequence: A221175
Score: 10.7951
Type of gen. func.: lgdogf

$$- \frac{16 x^2 - 10 x + 6}{16 x^3 + 27 x^2 - 26 x + 5}$$

Sequence: A221175
Score: 16.1927
Type of gen. func.: ogf

$$- \frac{16 x - 5}{x^2 + 2 x - 1}$$

Sequence: A221175
Score: 8.56163
Type of gen. func.: ogf

$$(f(x) + 23) (f(x) x^2 + 2 f(x) x - f(x) + 16 x - 5)$$

Sequence: A221175
Score: 9.08370
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) - a(n), a(0) = -5, a(1) = 6\}$$

Sequence: A221176
Score: 33.9117
Type of gen. func.: lgdegf]

$$16 \exp(x)$$

Sequence: A221176
Score: 92.8676
Type of gen. func.: lgdegf]

$$16 \exp(x)$$

Sequence: A221180
Score: 10.8380
Type of gen. func.: lgdogf

$$-\frac{2400 x^{13} - 1300 x^{12} + 2}{-200 x^{14} + 100 x^{13} + 2 x - 1}$$

Sequence: A221180
Score: 20.1980
Type of gen. func.: ogf

$$\frac{100 x^{13} - 1}{-1 + 2 x}$$

Sequence: A221189
Score: 5.03896
Type of gen. func.: ogf

$$-\frac{58 x^4 - 148 x^3 + 106 x^2 - 16 x - 1}{2 x^6 + 86 x^5 - 174 x^4 + 42 x^3 + 41 x^2 - 15 x + 1}$$

Sequence: A221193
Score: 6.61903
Type of gen. func.: ogf

$$-\frac{x^8 + x^7 + 31 x^5 - 34 x^4 + 31 x^3 + x + 1}{(x - 1) (x + 1) (x^2 + 2 x - 1) (x^2 - 2 x - 1) (x^4 + 6 x^2 + 1)}$$

Sequence: A221194
Score: 6.61497
Type of gen. func.: ogf

$$-\frac{(x^4 + 4 x^3 - 4 x^2 + 4 x + 1) (x^4 - 2 x^3 + 12 x^2 - 2 x + 1)}{(x - 1) (x + 1) (x^4 - 8 x^2 + 1) (x^4 + 8 x^2 + 1)}$$

Sequence: A221195
Score: 5.55328
Type of gen. func.: ogf

$$-\frac{x^8 + 3 x^7 + 93 x^5 - 98 x^4 + 93 x^3 + 3 x + 1}{(x - 1) (x + 1) (x^4 + 10 x^2 + 1) (x^4 - 10 x^2 + 1)}$$

Sequence: A221196
Score: 5.28731
Type of gen. func.: ogf

{a(n + 3) - 6 a(n + 2) + 6 a(n + 1) + 2 a(n), a(0) = 2, a(1) = 10, a(2) = 46}

Sequence: A221196
Score: 5.38173
Type of gen. func.: ogf

$$(7 f(x) + 19) (2 f(x) x^3 + 6 f(x) x^2 - 6 f(x) x + 2 x^2 + f(x) + 2 x - 2)$$

Sequence: A221196
Score: 9.88120
Type of gen. func.: ogf

$$-\frac{2 (x^2 + x - 1)}{\;}$$

$$2 x^{3} + 6 x^{2} - 6 x + 1$$

Sequence: A221201
Score: 4.25369
Type of gen. func.: ogf

$$-\frac{x (256 x^{6} - 448 x^{5} - 124 x^{4} + 342 x^{3} - 53 x + 9)}{(-1 + 2 x) (2 x + 1) (4 x^{2} - 7 x + 1) (16 x^{4} - 14 x^{2} + 1)}$$

Sequence: A221212
Score: 9.17948
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^{7} - x^{6} - x^{5} + x^{4} + x^{3} + x^{2} - 2 x - 1)}{(x^{2} + x - 1) (x^{2} - x - 1)}$$

Sequence: A221223
Score: 4.28553
Type of gen. func.: ogf

$$(2129 f(x) + 48) (10 f(x) x^{3} - 43 f(x) x^{2} + 15 f(x) x + 4 x^{2} - f(x) - 10 x + 3)$$

Sequence: A221223
Score: 4.32185
Type of gen. func.: ogf

$$\{a(n + 3) - 15 a(n + 2) + 43 a(n + 1) - 10 a(n), a(0) = 3, a(1) = 35,$$

$$a(2) = 400\}$$

Sequence: A221223
Score: 7.84582
Type of gen. func.: ogf

$$-\frac{4 x^{2} - 10 x + 3}{{}^{3}\qquad{}^{2}}$$

$$10 x - 43 x + 15 x - 1$$

Sequence: A221224
Score: 3.47538
Type of gen. func.: ogf

$$-\frac{8 (146 x^5 - 577 x^4 + 595 x^3 - 206 x^2 + 27 x - 1)}{5184 x^6 - 25616 x^5 + 39617 x^4 - 13925 x^3 + 1710 x^2 - 77 x + 1}$$

Sequence: A221226
Score: 4.53701
Type of gen. func.: ogf

$$-\frac{8 x^6 + 28 x^5 - 150 x^4 + 204 x^3 - 77 x^2 + 4 x + 1}{8 x^7 - 12 x^6 + 14 x^5 - 78 x^4 + 123 x^3 - 71 x^2 + 15 x - 1}$$

Sequence: A221236
Score: 7.27535
Type of gen. func.: ogf

$$-\frac{x (x^2 + 2 x - 5)}{(x^2 - 3 x + 1) (x^4 + 3 x^3 - 2 x^2 - 8 x + 1)}$$

Sequence: A221241
Score: 3.83742
Type of gen. func.: ogf

$$(780171 f(x) - 30706)$$

$$(324 f(x) x^4 - 540 f(x) x^3 + 222 f(x) x^2 - 30 f(x) x + f(x) + 10 x - 2)$$

Sequence: A221241
Score: 7.67486
Type of gen. func.: ogf

$$2 (5 x - 1)$$

$$- \frac{\quad}{324 x^4 - 540 x^3 + 222 x^2 - 30 x + 1}$$

Sequence: A221246
Score: 4.32482
Type of gen. func.: ogf

$$(341629047 f(x) - 15307867)$$

$$(36 f(x) x^4 - 54 f(x) x^3 - 6 x^4 + 34 x^3 + 9 f(x) x - 31 x^2 - f(x) + 9 x)$$

Sequence: A221246
Score: 7.97565
Type of gen. func.: ogf

$$\frac{x (6 x^3 - 34 x^2 + 31 x - 9)}{(6 x^2 - 1) (6 x^2 - 9 x + 1)}$$

Sequence: A221256
Score: 4.23486
Type of gen. func.: ogf

$$- \frac{x (x^6 - 6 x^5 - 2 x^4 + 26 x^3 + 9 x^2 - 16 x + 4)}{(x - 1) (x + 1) (x^2 - 6 x + 1) (x^2 + 2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A221266
Score: 5.04926
Type of gen. func.: ogf

$$(184715 f(x) + 198024)$$

$$(8 f(x) x^3 - 19 f(x) x^2 + 10 f(x) x + 8 x^2 - f(x) - 11 x + 3)$$

Sequence: A221266
Score: 5.35135
Type of gen. func.: ogf

$\{-a(n + 3) + 10 a(n + 2) - 19 a(n + 1) + 8 a(n), a(0) = 3, a(1) = 19, a(2) = 141\}$

Sequence: A221266
Score: 9.78294
Type of gen. func.: ogf

$$-\frac{(8 x - 3) (x - 1)}{8 x^3 - 19 x^2 + 10 x - 1}$$

Sequence: A221270
Score: 7.70232
Type of gen. func.: ogf

$$-\frac{2 x (x - 1) (x^2 - 7 x + 3)}{2 x^5 - 4 x^3 + 10 x^2 - 6 x + 1}$$

Sequence: A221276
Score: 10.1827
Type of gen. func.: ogf

$$-\frac{x (3 x - 2)^2}{(x - 1) (3 x - 1) (3 x^2 - 1)}$$

Sequence: A221276
Score: 5.54665
Type of gen. func.: ogf

$(4340 f(x) + 5379)$

$(9 f(x) x^4 - 12 f(x) x^3 + 9 x^3 + 4 f(x) x - 12 x^2 - f(x) + 4 x)$

Sequence: A221286
Score: 12.9815
Type of gen. func.: ogf

$$\frac{71020044435 x - 106276436867}{x^2 + x - 1}$$

Sequence: A221286
Score: 5.99146
Type of gen. func.: ogf

$$-(123904633083 f(x) - 12546636311714655633649)$$

$$(f(x) x^2 + f(x) x - f(x) - 71020044435 x + 106276436867)$$

Sequence: A221286
Score: 6.25386
Type of gen. func.: lgdogf

$$-\frac{71020044435 x^2 - 212552873734 x - 35256392432}{71020044435 x^3 - 35256392432 x^2 - 177296481302 x + 106276436867}$$

Sequence: A221286
Score: 8.31824
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 106276436867, a(1) = 35256392432\}$$

Sequence: A221297
Score: 4.71084
Type of gen. func.: ogf

$$-\frac{2 x^6 - 4 x^5 - 12 x^4 + 10 x^3 + 9 x^2 - 14 x + 3}{2 x^7 - 6 x^6 - 16 x^5 + 8 x^4 - x^3 - 27 x^2 + 11 x - 1}$$

Sequence: A221304
Score: 7.02301
Type of gen. func.: ogf

$$x (2 x^4 - 4 x^3 + 6 x^2 - 10 x + 5)$$

$$-\frac{}{(x^3-3x+1)(x^3+x-1)}$$

Sequence: A221323
Score: 5.21247
Type of gen. func.: ogf

$$-\frac{(x-1)(8x^3+6x^2-35x+7)}{8x^5+6x^4-111x^3+110x^2-23x+1}$$

Sequence: A221329
Score: 4.12925
Type of gen. func.: ogf

$$\frac{x^8-5x^7-x^6+16x^5-24x^4-17x^3+41x^2-6x-1}{2x^7-6x^6-16x^5+8x^4-x^3-27x^2+11x-1}$$

Sequence: A221352
Score: 4.85729
Type of gen. func.: ogf

$$-\frac{x(14x^5-14x^4-14x^3+24x^2-7x-1)}{8x^7+16x^6-14x^5-34x^4+10x^3+26x^2-11x+1}$$

Sequence: A221357
Score: 4.44751
Type of gen. func.: ogf

$$-\frac{x(4x^5-2x^4-4x^3+14x^2-21x+5)}{16x^7-33x^6-21x^5+59x^4+14x^3-38x^2+12x-1}$$

Sequence: A221364
Score: 7.47299
Type of gen. func.: ogf

$$-\frac{x^4 + x^3 - 3x^2 + x + 1}{(x - 1)(x + 1)(x^2 + x - 1)(x^2 - x - 1)}$$

Sequence: A221365
Score: 8.24716
Type of gen. func.: ogf

$$-\frac{x^4 + 3x^3 - 5x^2 + 3x + 1}{(x - 1)(x + 1)(x^4 - 5x^2 + 1)}$$

Sequence: A221366
Score: 7.55419
Type of gen. func.: ogf

$$-\frac{x^4 + 5x^3 - 7x^2 + 5x + 1}{(x - 1)(x + 1)(x^2 + 3x + 1)(x^2 - 3x + 1)}$$

Sequence: A221367
Score: 8.95263
Type of gen. func.: ogf

$$-\frac{x^4 + 7x^3 - 9x^2 + 7x + 1}{(x - 1)(x + 1)(x^4 - 9x^2 + 1)}$$

Sequence: A221374
Score: 10.0019
Type of gen. func.: ogf

$$-\frac{(-1 + 2x)(2x - 3)}{(x - 1)(4x^2 - 8x + 1)}$$

Sequence: A221374
Score: 5.30014
Type of gen. func.: ogf

```
                             3             2               2
 (755 f(x) + 1089) (4 f(x) x  - 12 f(x) x  + 9 f(x) x + 4 x  - f(x) - 8 x + 3)
```

Sequence: A221374
Score: 5.34583
Type of gen. func.: ogf

```
{-a(n + 3) + 9 a(n + 2) - 12 a(n + 1) + 4 a(n), a(0) = 3, a(1) = 19, a(2) = 139

    }
```

Sequence: A221394
Score: 4.75243
Type of gen. func.: ogf

```
                      10         8          6         4         2
              x (46 x   + 412 x  - 1050 x  + 820 x  - 233 x  + 18)
       - -----------------------------------------------------------------
                                10         8         6         4        2
         (x - 1) (x + 1) (16 x   + 268 x  - 605 x  + 393 x  - 47 x  + 1)
```

Sequence: A221397
Score: 10.4662
Type of gen. func.: ogf

```
                                    6 x (x - 1)
                              - ---------------------
                                   3      2
                                2 x  + 6 x  - 6 x + 1
```

Sequence: A221397
Score: 5.32653
Type of gen. func.: ogf

```
  {a(n + 3) - 6 a(n + 2) + 6 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 6, a(2) = 30}
```

Sequence: A221397
Score: 5.57543
Type of gen. func.: ogf

```
                             3            2                 2
```

$$(5 f(x) + 6) (2 f(x) x + 6 f(x) x - 6 f(x) x + 6 x + f(x) - 6 x)$$

Sequence: A221397
Score: 8.06177
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 + 12 x - 5}{-2 x^4 - 4 x^3 + 12 x^2 - 7 x + 1}$$

Sequence: A221401
Score: 3.89367
Type of gen. func.: ogf

$$-\frac{x (-1 + 2 x) (8 x^5 - 8 x^4 + 10 x^3 - 10 x^2 - x - 1)}{(2 x^2 - 4 x + 1) (4 x^4 + 6 x^3 - 8 x^2 - 5 x + 1) (2 x^2 - 2 x - 1)}$$

Sequence: A221414
Score: 14.4547
Type of gen. func.: ogf

$$15 f(x) x^2 - f(x) + 10 x$$

Sequence: A221414
Score: 16.3566
Type of gen. func.: lgdogf

$$\frac{30 x}{-15 x^2 + 1}$$

Sequence: A221414
Score: 17.7586
Type of gen. func.: ogf

$$-\frac{10 x}{15 x^2 - 1}$$

Sequence: A221414
Score: 9.56234
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n), a(0) = 0, a(1) = 10\}$$

Sequence: A221415
Score: 4.85671
Type of gen. func.: ogf

$$-\frac{x^6 - 2 x^5 + 7 x^4 + 17 x^3 - 4 x^2 - 11 x + 4}{x^7 - x^6 + 12 x^5 + 17 x^4 - 19 x^3 - 15 x^2 + 10 x - 1}$$

Sequence: A221420
Score: 7.76312
Type of gen. func.: ogf

$$\frac{x (x^4 - 2 x^3 + x^2 - 6 x + 4)}{2 x^4 + 3 x^2 - 4 x + 1}$$

Sequence: A221425
Score: 8.22939
Type of gen. func.: ogf

$$-\frac{x^4 - 5 x^3 + 5 x + 1}{x^5 - 5 x^4 + 6 x^2 + 4 x - 1}$$

Sequence: A221440
Score: 11.9155
Type of gen. func.: ogf

$$-\frac{x^2 + 3}{x^3 + x^2 + 3 x - 1}$$

Sequence: A221440
Score: 6.01047
Type of gen. func.: ogf

$$-(65 f(x) - 43) (f(x) x^3 + f(x) x^2 + 3 f(x) x + x^2 - f(x) + 3)$$

Sequence: A221440
Score: 6.01048
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - a(n + 1) - a(n), a(0) = 3, a(1) = 9, a(2) = 31\}$$

Sequence: A221440
Score: 7.71800
Type of gen. func.: lgdogf

$$- \frac{-x^4 - 6 x^2 - 8 x - 9}{-x^5 - x^4 - 6 x^3 - 2 x^2 - 9 x + 3}$$

Sequence: A221441
Score: 5.0259
Type of gen. func.: ogf

$$-(8725 f(x) - 357) (f(x) x^3 + 11 f(x) x^2 + 5 f(x) x + x^2 - f(x) + 8 x + 5)$$

Sequence: A221441
Score: 5.24253
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) - 11 a(n + 1) - a(n), a(0) = 5, a(1) = 33, a(2) = 221\}$$

Sequence: A221441
Score: 9.80860
Type of gen. func.: ogf

$$-\frac{x^2+8x+5}{x^3+11x^2+5x-1}$$

Sequence: A221442
Score: 4.14703
Type of gen. func.: ogf

$$-\frac{8x^5+11x^4+12x^3-34x^2-36x-9}{4x^6+11x^5+21x^4-34x^3-42x^2-9x+1}$$

Sequence: A221447
Score: 5.18658
Type of gen. func.: ogf

$$-\frac{x^6+2x^5+x^4-4x^3-5x^2-6x-1}{(x^2+1)(x^5+x^4-2x^3-2x^2-3x+1)}$$

Sequence: A221454
Score: 4.93506
Type of gen. func.: ogf

$(39 f(x) + 344)$

$$(3 f(x) x^4 + 6 f(x) x^3 - f(x) x^2 + 2 x^3 - 4 f(x) x + 2 x^2 + f(x) - x)$$

Sequence: A221454
Score: 9.19410
Type of gen. func.: ogf

$$-\frac{x(2x^2+2x-1)}{(3x^2+3x-1)(x^2+x-1)}$$

Sequence: A221455
Score: 6.13584

Type of gen. func.: ogf

$$-\frac{x\,(5\,x^{4}+10\,x^{3}-5\,x+1)}{(2\,x^{2}+2\,x-1)\,(x^{2}+x-1)\,(4\,x^{2}+4\,x-1)}$$

Sequence: A221456
Score: 4.27894
Type of gen. func.: ogf

$$-\frac{x\,(19\,x^{6}+57\,x^{5}+33\,x^{4}-29\,x^{3}-15\,x^{2}+9\,x-1)}{(2\,x^{2}+2\,x-1)\,(5\,x^{2}+5\,x-1)\,(x^{2}+x-1)\,(3\,x^{2}+3\,x-1)}$$

Sequence: A221461
Score: 11.5550
Type of gen. func.: lgdogf

$$-\frac{-12\,x-6}{-6\,x^{2}-6\,x+1}$$

Sequence: A221461
Score: 15.3025
Type of gen. func.: ogf

$$-\frac{6\,x}{6\,x^{2}+6\,x-1}$$

Sequence: A221461
Score: 6.99004
Type of gen. func.: ogf

$$\{-a(n+2)+6\,a(n+1)+6\,a(n),\ a(0)=0,\ a(1)=6\}$$

Sequence: A221461
Score: 9.5965
Type of gen. func.: ogf

$$-6 f(x) x^2 - 6 f(x) x + f(x) - 6 x$$

Sequence: A221462
Score: 10.2058
Type of gen. func.: ogf

$$-7 f(x) x^2 - 7 f(x) x + f(x) - 7 x$$

Sequence: A221462
Score: 12.2886
Type of gen. func.: lgdogf

$$-\frac{-14 x - 7}{-7 x^2 - 7 x + 1}$$

Sequence: A221462
Score: 16.2741
Type of gen. func.: ogf

$$-\frac{7 x}{7 x^2 + 7 x - 1}$$

Sequence: A221462
Score: 7.43385
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) + 7 a(n), a(0) = 0, a(1) = 7\}$$

Sequence: A221464
Score: 3.65956
Type of gen. func.: ogf

$$\{(-13 n^2 - 108 n - 207) a(n + 1) + (-36 n^2 - 424 n - 1120) a(n + 2)$$

$$+ (49 n^2 + 284 n + 411) a(n + 3), a(0) = 3, a(1) = 32, a(2) = 135\}$$

Sequence: A221464
Score: 8.02608
Type of gen. func.: ogf

$$\frac{x^3 - 5 x^2 - 17 x - 3}{(x - 1)^5}$$

Sequence: A221464
Score: 8.30935
Type of gen. func.: lgdogf

$$- \frac{-2 x^3 + 12 x^2 + 78 x + 32}{-x^4 + 6 x^3 + 12 x^2 - 14 x - 3}$$

Sequence: A221465
Score: 6.86658
Type of gen. func.: ogf

$$- \frac{x^4 + 2 x^3 - 60 x^2 - 58 x - 5}{(x - 1)^6}$$

Sequence: A221465
Score: 6.99862
Type of gen. func.: lgdogf

$$- \frac{2 x^4 + 10 x^3 - 234 x^2 - 410 x - 88}{x^5 + x^4 - 62 x^3 + 2 x^2 + 53 x + 5}$$

Sequence: A221466
Score: 5.59308
Type of gen. func.: ogf

$$\frac{8 (2 x^4 - 14 x^3 - 54 x^2 - 23 x - 1)}{}$$

$$(x - 1)^{7}$$

Sequence: A221471
Score: 5.47104
Type of gen. func.: ogf

$$x (28 x^{11} - 66 x^{10} - 16 x^{9} - 2 x^{8} - 13 x^{7} - 2 x^{6} - 5 x^{5} - 4 x^{4} - 3 x^{3} - 2 x^{2} - x + 1) / (x^{2} - 3 x + 1)$$

Sequence: A221478
Score: 6.67830
Type of gen. func.: ogf

$$\frac{x (3 x^{4} - 18 x^{3} + 31 x^{2} + 14 x - 8)}{6 x^{4} - 24 x^{3} - 7 x^{2} + 8 x - 1}$$

Sequence: A221484
Score: 5.49519
Type of gen. func.: ogf

$$\frac{x (x - 1) (5 x^{2} + 8 x + 4)}{(x^{2} + 3 x + 1) (x^{5} - 5 x^{4} + 6 x^{2} + 4 x - 1)}$$

Sequence: A221510
Score: 4.59995
Type of gen. func.: ogf

$$-(110 f(x) - 1) (f(x) x^{4} + 3 f(x) x^{3} + 4 f(x) x^{2} + x^{3} + f(x) x + x^{2} - f(x) + 2 x)$$

Sequence: A221510
Score: 8.75881
Type of gen. func.: ogf

$$-\frac{x (x^2 + x + 2)}{(x + 1) (x^3 + 2 x^2 + 2 x - 1)}$$

Sequence: A221511
Score: 7.06826
Type of gen. func.: ogf

$$-\frac{x (2 x^4 - 2 x^3 + 4 x^2 + x + 3)}{4 x^6 + 4 x^4 + 6 x^3 + 6 x^2 + 2 x - 1}$$

Sequence: A221512
Score: 5.90664
Type of gen. func.: ogf

$$\frac{x (2 x^3 - 10 x^2 - 5 x - 4)}{x^6 - 3 x^5 + 17 x^4 + 20 x^3 + 11 x^2 + 2 x - 1}$$

Sequence: A221513
Score: 4.17291
Type of gen. func.: ogf

$$-\frac{x (2 x^6 + 2 x^5 + 12 x^4 - 5 x^3 + 17 x^2 + 6 x + 5)}{2 x^8 + 8 x^7 + 27 x^6 + x^5 + 28 x^4 + 29 x^3 + 14 x^2 + 3 x - 1}$$

Sequence: A221514
Score: 3.93959
Type of gen. func.: ogf

$$-\frac{x (4 x^6 - 4 x^5 + 13 x^4 + 10 x^3 + 33 x^2 + 13 x + 6)}{8 x^8 + 4 x^7 + 23 x^6 + 32 x^5 + 79 x^4 + 58 x^3 + 21 x^2 + 3 x - 1}$$

Sequence: A221516
Score: 6.14852
Type of gen. func.: ogf

$$\frac{x (x^6 - 2 x^5 + 6 x^4 - x^3 - 10 x^2 - 15 x - 3)}{(x - 1)^5}$$

Sequence: A221517
Score: 4.86560
Type of gen. func.: ogf

$$- \frac{x (x^8 - 3 x^7 + 9 x^6 - 9 x^5 + 32 x^4 - 13 x^3 - 73 x^2 - 59 x - 5)}{(x - 1)^6}$$

Sequence: A221518
Score: 4.28459
Type of gen. func.: ogf

$$\frac{2 x (3 x^8 - 19 x^7 + 49 x^6 - 43 x^5 + 136 x^4 - 126 x^3 - 260 x^2 - 96 x - 4)}{(x - 1)^7}$$

Sequence: A221519
Score: 4.55661
Type of gen. func.: ogf

$$-(7 f(x) - 46)$$

$$(f(x) x^4 + 3 f(x) x^3 + 4 f(x) x^2 + 2 x^3 + f(x) x + 4 x^2 - f(x) + 6 x)$$

Sequence: A221519
Score: 8.61388
Type of gen. func.: ogf

$$- \frac{2 x (x^2 + 2 x + 3)}{(x + 1) (x^3 + 2 x^2 + 2 x - 1)}$$

Sequence: A221520
Score: 6.80553
Type of gen. func.: ogf

$$- \frac{2 x (4 x^4 - 2 x^3 + 6 x^2 + 3 x + 6)}{4 x^6 + 4 x^4 + 6 x^3 + 6 x^2 + 2 x - 1}$$

Sequence: A221521
Score: 5.23877
Type of gen. func.: ogf

$$- \frac{2 x (x^4 - 4 x^3 + 22 x^2 + 14 x + 10)}{x^6 - 3 x^5 + 17 x^4 + 20 x^3 + 11 x^2 + 2 x - 1}$$

Sequence: A221522
Score: 3.93317
Type of gen. func.: ogf

$$- \frac{2 x (3 x^6 + 9 x^5 + 33 x^4 - 11 x^3 + 45 x^2 + 20 x + 15)}{2 x^8 + 8 x^7 + 27 x^6 + x^5 + 28 x^4 + 29 x^3 + 14 x^2 + 3 x - 1}$$

Sequence: A221523
Score: 4.41923
Type of gen. func.: ogf

$$- \frac{2 x (12 x^6 + 36 x^4 + 34 x^3 + 108 x^2 + 48 x + 21)}{8 x^8 + 4 x^7 + 23 x^6 + 32 x^5 + 79 x^4 + 58 x^3 + 21 x^2 + 3 x - 1}$$

Sequence: A221525
Score: 5.47380
Type of gen. func.: ogf

$$- \frac{2 x (x^6 - 2 x^5 + 11 x^4 - 7 x^3 - 31 x^2 - 29 x - 3)}{}$$

$$(x - 1)^{6}$$

Sequence: A221526
Score: 4.33227
Type of gen. func.: ogf

$$\frac{2 x (x^{8} - 4 x^{7} + 15 x^{6} - 3 x^{5} + 61 x^{4} - 91 x^{3} - 232 x^{2} - 102 x - 5)}{(x - 1)^{7}}$$

Sequence: A221527
Score: 3.68946
Type of gen. func.: ogf

$$- \frac{8 x (x^{8} - 8 x^{7} + 28 x^{6} + 22 x^{5} + 97 x^{4} - 332 x^{3} - 356 x^{2} - 80 x - 2)}{(x - 1)^{8}}$$

Sequence: A221536
Score: 11.0931
Type of gen. func.: ogf

$$- \frac{2 x (x^{2} - x + 1)}{4 x^{4} - 2 x^{2} + 3 x - 1}$$

Sequence: A221536
Score: 6.21598
Type of gen. func.: ogf

$$(44 f(x) - 1) (4 f(x) x^{4} - 2 f(x) x^{2} + 2 x^{3} + 3 f(x) x - 2 x^{2} - f(x) + 2 x)$$

Sequence: A221537
Score: 4.69909
Type of gen. func.: ogf

$-(17376 f(x) + 12317)$

$$(f(x)\,x^4 - f(x)\,x^3 + 2\,f(x)\,x^2 + 3\,f(x)\,x - x^2 - f(x) + 3\,x)$$

Sequence: A221537
Score: 9.90425
Type of gen. func.: ogf

$$\frac{x\,(x-3)}{(x+1)\,(x^3 - 2\,x^2 + 4\,x - 1)}$$

Sequence: A221538
Score: 6.39767
Type of gen. func.: ogf

$$-\frac{x\,(x^4 + x^3 + 10\,x^2 - 6\,x + 4)}{3\,x^5 + 15\,x^4 + x^3 - 3\,x^2 + 5\,x - 1}$$

Sequence: A221539
Score: 6.46533
Type of gen. func.: ogf

$$-\frac{x\,(3\,x^4 + 5\,x^2 - 3\,x + 5)}{3\,x^6 + 6\,x^5 + 9\,x^4 + 3\,x^2 + 5\,x - 1}$$

Sequence: A221540
Score: 4.53345
Type of gen. func.: ogf

$$-\frac{x\,(6\,x^6 - 12\,x^5 + 20\,x^4 - 7\,x^3 + 22\,x^2 - 10\,x + 6)}{12\,x^8 + 16\,x^6 + 10\,x^5 + 26\,x^4 + 6\,x^3 - 4\,x^2 + 7\,x - 1}$$

Sequence: A221541
Score: 4.42653
Type of gen. func.: ogf

$$\frac{x\,(6\,x^5 - 20\,x^4 + 3\,x^3 - 14\,x^2 + 5\,x - 7)}{3\,x^8 - 6\,x^7 + 23\,x^6 + 20\,x^5 + 20\,x^4 + 5\,x^3 + 4\,x^2 + 7\,x - 1}$$

Sequence: A221543
Score: 5.74224
Type of gen. func.: ogf

$$\frac{x^7 - 6\,x^6 + 18\,x^5 - 26\,x^4 + 22\,x^3 - 23\,x^2 - 7\,x - 3}{(x - 1)^5}$$

Sequence: A221544
Score: 4.70426
Type of gen. func.: ogf

$$-\frac{x^9 - 8\,x^8 + 34\,x^7 - 87\,x^6 + 153\,x^5 - 157\,x^4 + 88\,x^3 - 115\,x^2 - 24\,x - 5}{(x - 1)^6}$$

Sequence: A221545
Score: 3.99946
Type of gen. func.: ogf

$$(10\,x^9 - 79\,x^8 + 279\,x^7 - 572\,x^6 + 822\,x^5 - 675\,x^4 + 87\,x^3 - 506\,x^2 - 78\,x - 8) \Big/ (x - 1)^7$$

Sequence: A221567
Score: 10.8790
Type of gen. func.: ogf

$$-\frac{x\,(8\,x^2 - 6\,x + 5)}{4\,x^4 - 2\,x^2 + 3\,x - 1}$$

Sequence: A221567
Score: 5.89277
Type of gen. func.: ogf

$$-(f(x) + 45) (4 f(x) x^4 - 2 f(x) x^2 + 8 x^3 + 3 f(x) x - 6 x^2 - f(x) + 5 x)$$

Sequence: A221568
Score: 10.0385
Type of gen. func.: ogf

$$-\frac{2 x (x^2 - 2 x + 5)}{(x + 1) (x^3 - 2 x^2 + 4 x - 1)}$$

Sequence: A221568
Score: 5.54363
Type of gen. func.: ogf

$$(6 f(x) + 5)$$

$$(f(x) x^4 - f(x) x^3 + 2 f(x) x^2 + 2 x^3 + 3 f(x) x - 4 x^2 - f(x) + 10 x)$$

Sequence: A221569
Score: 6.09027
Type of gen. func.: ogf

$$-\frac{x (x^4 + 8 x^3 + 45 x^2 - 26 x + 17)}{3 x^5 + 15 x^4 + x^3 - 3 x^2 + 5 x - 1}$$

Sequence: A221570
Score: 5.49218
Type of gen. func.: ogf

$$-\frac{2 x (6 x^4 + 6 x^3 + 14 x^2 - 8 x + 13)}{3 x^6 + 6 x^5 + 9 x^4 + 3 x^2 + 5 x - 1}$$

Sequence: A221571
Score: 4.24044
Type of gen. func.: ogf

$$-\frac{x\,(48x^6-36x^5+100x^4-26x^3+138x^2-62x+37)}{12x^8+16x^6+10x^5+26x^4+6x^3-4x^2+7x-1}$$

Sequence: A221572
Score: 3.89939
Type of gen. func.: ogf

$$-\frac{2x\,(6x^6-18x^5+66x^4+4x^3+51x^2-18x+25)}{3x^8-6x^7+23x^6+20x^5+20x^4+5x^3+4x^2+7x-1}$$

Sequence: A221574
Score: 10.2244
Type of gen. func.: ogf

$$\frac{(x+2)\,(x^2+1)}{(x-1)^4}$$

Sequence: A221574
Score: 4.18764
Type of gen. func.: ogf

$$\{(-59n^2-353n-470)\,a(n+1)+(56n^2+16n-804)\,a(n+2)$$

$$+(3n^2+151n+426)\,a(n+3),\ a(0)=2,\ a(1)=9,\ a(2)=26\}$$

Sequence: A221574
Score: 5.39231
Type of gen. func.: ogf

$$(97740\,f(x)+100387)$$

$$(f(x)\,x^4-4\,f(x)\,x^3+6\,f(x)\,x^2-x^3-4\,f(x)\,x-2x^2+f(x)-x-2)$$

Sequence: A221574
Score: 9.84096
Type of gen. func.: lgdogf

$$-\frac{x^3 + 7 x^2 + 7 x + 9}{x^4 + x^3 - x^2 + x - 2}$$

Sequence: A221575
Score: 5.40639
Type of gen. func.: ogf

$$-\frac{2 x^7 - 12 x^6 + 39 x^5 - 56 x^4 + 24 x^3 - 90 x^2 - 21 x - 6}{(x - 1)^6}$$

Sequence: A221576
Score: 4.04319
Type of gen. func.: ogf

$$(2 x^9 - 18 x^8 + 80 x^7 - 193 x^6 + 355 x^5 - 378 x^4 - 54 x^3 - 433 x^2 - 71 x - 10) / (x - 1)^7$$

Sequence: A221577
Score: 3.38972
Type of gen. func.: ogf

$$- (20 x^9 - 160 x^8 + 579 x^7 - 1096 x^6 + 1869 x^5 - 2336 x^4 - 1755 x^3 - 1928 x^2 - 217 x - 16) / (x - 1)^8$$

Sequence: A221587
Score: 5.23445
Type of gen. func.: ogf

7 6 5 4 3 2

```
               2 (4 x  + 7 x  - 6 x  - 13 x  + 4 x  - x  - 2 x + 1)
             - ----------------------------------------------------
                                  2               2
                      (4 x - 1) (x  + 3 x - 1) (x  - x - 1)



------------------------------------------------------------------------------

Sequence:  A221588
Score: 7.11573
Type of gen. func.: ogf

                         5        4       3       2
                  2 (32 x  - 164 x  + 12 x  + 33 x  - 4 x + 2)
                  --------------------------------------------
                              (8 x - 1) (4 x - 1)



------------------------------------------------------------------------------

Sequence:  A221589
Score: 5.95017
Type of gen. func.: ogf

                        5          4        3        2
                2 (368 x  + 1033 x  - 322 x  - 336 x  - 10 x - 4)
              - -------------------------------------------------
                              (16 x - 1) (4 x - 1)



------------------------------------------------------------------------------

Sequence:  A221591
Score: 11.5345
Type of gen. func.: ogf

                                    2
                                x (x  + 3 x + 7)
                             - -------------------
                                3      2
                               x  + 2 x  + 2 x - 1



------------------------------------------------------------------------------

Sequence:  A221591
Score: 5.63718
Type of gen. func.: ogf


{-a(n + 4) + 2 a(n + 3) + 2 a(n + 2) + a(n + 1), a(0) = 0, a(1) = 7, a(2) = 17,

    a(3) = 49}



------------------------------------------------------------------------------

Sequence:  A221591
Score: 6.14546
Type of gen. func.: ogf


                            3           2    3                 2
```

```
 (5063 f(x) + 33136) (f(x) x  + 2 f(x) x  + x  + 2 f(x) x + 3 x  - f(x) + 7 x)



------------------------------------------------------------------------------

Sequence:  A221591
Score: 7.35044
Type of gen. func.: lgdogf


                           4      3       2
                         -x  - 6 x  - 25 x  - 30 x - 17
                    - -------------------------------------
                        5      4       3       2
                      -x  - 5 x  - 15 x  - 19 x  - 11 x + 7



------------------------------------------------------------------------------

Sequence:  A221592
Score: 7.57575
Type of gen. func.: ogf


                             4      3       2
                       x (8 x  + 4 x  + 12 x  - 4 x + 13)
                     - -----------------------------------
                          6      5      4      2
                       4 x  + 4 x  + 6 x  + 4 x  + 3 x - 1



------------------------------------------------------------------------------

Sequence:  A221593
Score: 5.58656
Type of gen. func.: ogf


                             4      3       2
                       2 x (x  + 4 x  + 16 x  - 10 x + 8)
                  - -----------------------------------------
                     6      5       4      3      2
                    x  + 5 x  + 19 x  - 6 x  + 3 x  + 4 x - 1



------------------------------------------------------------------------------

Sequence:  A221594
Score: 4.41272
Type of gen. func.: ogf


                     6      5       4       3       2
               x (3 x  - 9 x  + 42 x  + 17 x  + 54 x  - 23 x + 19)
         - -----------------------------------------------------------
              8      7       6       5       4      3      2
           2 x  - 5 x  + 24 x  + 17 x  + 33 x  - 7 x  + 5 x  + 4 x - 1



------------------------------------------------------------------------------

Sequence:  A221595
Score: 4.28407
Type of gen. func.: ogf
```

$$-\frac{2x(6x^6+18x^4-14x^3+54x^2-24x+11)}{8x^8+2x^7+23x^6-14x^5+65x^4-16x^3+3x^2+5x-1}$$

Sequence: A221597
Score: 5.28912
Type of gen. func.: ogf

$$-(323723952 f(x) + 379651811)$$

$$(f(x)\, x^3 + 2x^4 - 3 f(x)\, x^2 + 10x^3 + 3 f(x)\, x + 21x^2 - f(x) + 43x + 32)$$

Sequence: A221597
Score: 7.60625
Type of gen. func.: lgdogf

$$-\frac{-2x^4+8x^3+51x^2+128x+139}{2x^5+8x^4+11x^3+22x^2-11x-32}$$

Sequence: A221597
Score: 9.85995
Type of gen. func.: ogf

$$-\frac{2x^4+10x^3+21x^2+43x+32}{(x-1)^3}$$

Sequence: A221598
Score: 6.86352
Type of gen. func.: ogf

$$-\frac{2x^6+10x^5+26x^4+23x^3-22x^2-137x-64}{(x-1)^4}$$

Sequence: A221599
Score: 6.79998

Type of gen. func.: ogf

$$-\frac{28 x^5 + 16 x^4 - 217 x^3 - 556 x^2 - 601 x - 128}{(x - 1)^4}$$

Sequence: A221604
Score: 4.16732
Type of gen. func.: ogf

$$(378 f(x) + 359) (2 f(x) x^4 - 2 f(x) x^3 + 4 f(x) x^2 + x^3 - 6 f(x) x - 2 x^2 + f(x) + 2 x - 2)$$

Sequence: A221604
Score: 7.63106
Type of gen. func.: ogf

$$-\frac{x^3 - 2 x^2 + 2 x - 2}{2 x^4 - 2 x^3 + 4 x^2 - 6 x + 1}$$

Sequence: A221610
Score: 6.15266
Type of gen. func.: ogf

$$\frac{x (x^2 + x - 1) (3 x^3 - x^2 + 2 x - 2)}{3 x^5 - 10 x^4 + 5 x^3 + 9 x^2 - 7 x + 1}$$

Sequence: A221619
Score: 2.93285
Type of gen. func.: ogf

$$-(1864036248 f(x) + 1729901723) (121 f(x) x^4 - 264 f(x) x^3 + 166 f(x) x^2 + 121 x^3 - 24 f(x) x - 264 x^2 + f(x) + 166 x - 24)$$

Sequence: A221619
Score: 5.57565
Type of gen. func.: ogf

$$-\frac{(11x-12)(11x^2-12x+2)}{(11x-1)^2(x-1)^2}$$

Sequence: A221620
Score: 3.93831
Type of gen. func.: ogf

$$-\frac{44616x^4-93340x^3+52950x^2-4345x+120}{(-1+66x)(26x-1)^2(x-1)^2}$$

Sequence: A221633
Score: 3.53613
Type of gen. func.: ogf

$$-\frac{32x^9-56x^8-72x^7-150x^6-80x^5-53x^4-10x^3+8x^2-2x-1}{(2x+1)(-1+2x)(4x-1)(x+1)^2(x-1)^4}$$

Sequence: A221639
Score: 3.75841
Type of gen. func.: ogf

{-a(n + 3) + 4392 a(n + 2) - 4208207 a(n + 1) + 777600000 a(n), a(0) = 22,

a(1) = 32252, a(2) = 65664390}

Sequence: A221639
Score: 5.88818
Type of gen. func.: ogf

$$-\frac{22(754280x^2-2926x+1)}{(243x-1)(3125x-1)(1024x-1)}$$

Sequence: A221652
Score: 4.82832
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) - a(n + 2) - a(n + 1), a(0) = 1, a(1) = 4, a(2) = 12, a(3) = 40}

Sequence: A221652
Score: 5.43692
Type of gen. func.: ogf

$$(1 + 3 f(x)) (f(x) x^3 + f(x) x^2 - x^3 + 3 f(x) x - x^2 - f(x) + x + 1)$$

Sequence: A221652
Score: 8.08744
Type of gen. func.: lgdogf

$$- \frac{-8 x^2 + 4 x - 4}{x^5 + x^4 + 2 x^3 - 2 x^2 - 3 x + 1}$$

Sequence: A221652
Score: 9.37674
Type of gen. func.: ogf

$$\frac{(x - 1) (x + 1)^2}{x^3 + x^2 + 3 x - 1}$$

Sequence: A221667
Score: 6.46101
Type of gen. func.: ogf

$$- \frac{4 (16 x^6 - 8 x^3 + 4 x^2 - x + 1)}{(4 x - 1) (4 x^3 - 1)^2}$$

Sequence: A221673
Score: 7.92574
Type of gen. func.: ogf

$$\frac{(x-1)^2}{3x^5 - 10x^4 + 5x^3 + 9x^2 - 7x + 1}$$

Sequence: A221677
Score: 11.3909
Type of gen. func.: ogf

$$-\frac{x(x+2)}{x^3 + 2x^2 + 2x - 1}$$

Sequence: A221677
Score: 5.84937
Type of gen. func.: ogf

$$-(5 f(x) + 4) (f(x) x^3 + 2 f(x) x^2 + 2 f(x) x + x^2 - f(x) + 2 x)$$

Sequence: A221677
Score: 5.84937
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) - a(n), a(0) = 0, a(1) = 2, a(2) = 5\}$$

Sequence: A221677
Score: 8.11600
Type of gen. func.: lgdogf

$$-\frac{2x^3 + 8x^2 + 8x + 5}{x^4 + 4x^3 + 6x^2 + 3x - 2}$$

Sequence: A221678
Score: 4.53885
Type of gen. func.: ogf

$-(112 f(x) + 1)$

$(f(x) x^4 - f(x) x^3 + 2 f(x) x^2 + x^3 + 3 f(x) x - x^2 - f(x) + 2 x)$

Sequence: A221678
Score: 8.64247
Type of gen. func.: ogf

$$-\frac{x (x^2 - x + 2)}{(x + 1) (x^3 - 2 x^2 + 4 x - 1)}$$

Sequence: A221679
Score: 6.48715
Type of gen. func.: ogf

$$-\frac{x (2 x^4 + 2 x^3 + 3 x^2 - x + 2)}{4 x^6 + 4 x^5 + 6 x^4 + 4 x^2 + 3 x - 1}$$

Sequence: A221680
Score: 6.23899
Type of gen. func.: ogf

$$-\frac{x (2 x^3 + 6 x^2 - 3 x + 2)}{x^6 + 5 x^5 + 19 x^4 - 6 x^3 + 3 x^2 + 4 x - 1}$$

Sequence: A221681
Score: 4.52406
Type of gen. func.: ogf

$$-\frac{x (x^6 - x^5 + 6 x^4 + 3 x^3 + 8 x^2 - 3 x + 2)}{2 x^8 - 5 x^7 + 24 x^6 + 17 x^5 + 33 x^4 - 7 x^3 + 5 x^2 + 4 x - 1}$$

Sequence: A221682
Score: 4.17944
Type of gen. func.: ogf

$$-\frac{x\left(2x^{6}+2x^{5}+5x^{4}-4x^{3}+13x^{2}-5x+2\right)}{8x^{8}+2x^{7}+23x^{6}-14x^{5}+65x^{4}-16x^{3}+3x^{2}+5x-1}$$

Sequence: A221684
Score: 11.8978
Type of gen. func.: ogf

$$\frac{(x+2)\left(x^{3}+2x^{2}+8\right)}{(x-1)^{2}}$$

Sequence: A221684
Score: 6.26202
Type of gen. func.: ogf

{-a(n + 5) + 2 a(n + 4) - a(n + 3), a(0) = 16, a(1) = 40, a(2) = 68, a(3) = 100,

a(4) = 133}

Sequence: A221684
Score: 6.6628
Type of gen. func.: ogf

-(445269 f(x) + 1067416)

$$\left(-x^{4}+f(x)\,x^{2}-4x^{3}-2f(x)\,x-4x^{2}+f(x)-8x-16\right)$$

Sequence: A221684
Score: 9.91487
Type of gen. func.: lgdogf

$$-\frac{2x^{4}-12x^{2}-16x-40}{-x^{5}-3x^{4}-4x^{2}-8x+16}$$

Sequence: A221685
Score: 8.30968
Type of gen. func.: ogf

$$\frac{x^6 + 4 x^5 + 8 x^4 - 2 x^3 + 2 x^2 - 17 x - 32}{(x - 1)^3}$$

Sequence: A221686
Score: 8.54532
Type of gen. func.: ogf

$$\frac{2 (5 x^5 + 4 x^4 - 28 x^3 - 38 x^2 - 64 x - 32)}{(x - 1)^3}$$

Sequence: A221687
Score: 4.78439
Type of gen. func.: ogf

$$- \frac{2 x^4 + 2 x^3 + 5 x^2 + 4 x - 3}{2 x^6 + 12 x^5 + 15 x^4 + 29 x^3 + 18 x^2 - 13 x + 1}$$

Sequence: A221689
Score: 3.21037
Type of gen. func.: ogf

$$(13125911918 + 12409282161 f(x)) (2 f(x) x^4 - 71 f(x) x^3 + 4 x^4 - 69 f(x) x^2$$
$$- 98 x^3 + 24 f(x) x - 122 x^2 - f(x) + 8 x + 6)$$

Sequence: A221689
Score: 6.03267
Type of gen. func.: ogf

$$- \frac{2 (2 x^4 - 49 x^3 - 61 x^2 + 4 x + 3)}{2 x^4 - 71 x^3 - 69 x^2 + 24 x - 1}$$

Sequence: A221694
Score: 3.76208
Type of gen. func.: ogf

$$-\frac{24x^8-24x^7+38x^6+36x^5-27x^4-21x^3+19x^2+16x+1}{(8x^7-16x^6+22x^5-2x^4-11x^3-4x^2+9x-1)(2x+1)^2}$$

Sequence: A221719
Score: 15.1059
Type of gen. func.: ogf

$$\frac{x(x^2+2x-2)}{(-1+2x)(x-1)(x^2+x-1)}$$

Sequence: A221719
Score: 8.16839
Type of gen. func.: ogf

(f(x) - 567)

$$(2f(x)x^4-f(x)x^3-4f(x)x^2-x^3+4f(x)x-2x^2-f(x)+2x)$$

Sequence: A221719
Score: 9.34517
Type of gen. func.: lgdogf

$$-\frac{4x^5+11x^4-20x^3-6x^2+18x-6}{2x^6+3x^5-10x^4-2x^3+15x^2-10x+2}$$

Sequence: A221720
Score: 8.21883
Type of gen. func.: ogf

$$x^8+2x^7+2x^6+3x^5+2x^4+x^3+2x^2-2x+1$$

$$- \frac{}{(x - 1)^3}$$

Sequence: A221731
Score: 13.3959
Type of gen. func.: ogf

$$- \frac{2 x + 3}{2 x^2 + 5 x - 1}$$

Sequence: A221731
Score: 7.00948
Type of gen. func.: ogf

$$(97 f(x) - 2) (2 f(x) x^2 + 5 f(x) x - f(x) + 2 x + 3)$$

Sequence: A221731
Score: 7.26283
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) - 2 a(n), a(0) = 3, a(1) = 17\}$$

Sequence: A221731
Score: 8.86493
Type of gen. func.: lgdogf

$$- \frac{-4 x^2 - 12 x - 17}{-4 x^3 - 16 x^2 - 13 x + 3}$$

Sequence: A221732
Score: 3.42187
Type of gen. func.: ogf

$$(219684061 f(x) + 230767596) (17 f(x) x^4 - 6 f(x) x^3 - 17 f(x) x^2 + 16 x^3 - 18 f(x) x - 32 x^2 + f(x) - 8 x - 8)$$

Sequence: A221732
Score: 6.59335
Type of gen. func.: ogf

$$-\frac{8\,(2\,x^{3}-4\,x^{2}-x-1)}{17\,x^{4}-6\,x^{3}-17\,x^{2}-18\,x+1}$$

Sequence: A221737
Score: 5.27877
Type of gen. func.: ogf

$$-\frac{12\,x^{5}-64\,x^{4}+86\,x^{3}-36\,x^{2}+2\,x+1}{10\,x^{5}-80\,x^{4}+120\,x^{3}-67\,x^{2}+15\,x-1}$$

Sequence: A221756
Score: 4.63328
Type of gen. func.: ogf

$$(605\,f(x)-2876)$$

$$(4\,f(x)\,x^{4}-f(x)\,x^{3}-6\,f(x)\,x^{2}+4\,x^{3}-f(x)\,x+x^{2}+f(x)-2\,x)$$

Sequence: A221756
Score: 8.75881
Type of gen. func.: ogf

$$-\frac{x\,(4\,x^{2}+x-2)}{4\,x^{4}-x^{3}-6\,x^{2}-x+1}$$

Sequence: A221757
Score: 3.39972
Type of gen. func.: ogf

$$-x\,(10\,x^{8}-38\,x^{7}-161\,x^{6}-30\,x^{5}+235\,x^{4}-12\,x^{3}-65\,x^{2}+4)\;\Big/\;(9\,x^{10}$$

$$- 34 x^{9} - 131 x^{8} - 48 x^{7} + 329 x^{6} - 20 x^{5} - 165 x^{4} + 14 x^{3} + 27 x^{2} - 1)$$

Sequence: A221762
Score: 10.4009
Type of gen. func.: ogf

$$\frac{(x + 1) (x^{2} + x + 1)}{x^{4} - 20 x^{2} + 1}$$

Sequence: A221762
Score: 6.24054
Type of gen. func.: ogf

$$(71820 f(x) - 15863) (f(x) x^{4} - 20 f(x) x^{2} - x^{3} - 2 x^{2} + f(x) - 2 x - 1)$$

Sequence: A221763
Score: 10.4490
Type of gen. func.: ogf

$$- \frac{(x - 1) (x^{2} + 5 x + 1)}{x^{4} - 20 x^{2} + 1}$$

Sequence: A221763
Score: 6.21295
Type of gen. func.: ogf

$$(100548 f(x) - 16087) (f(x) x^{4} - 20 f(x) x^{2} + x^{3} + 4 x^{2} + f(x) - 4 x - 1)$$

Sequence: A221763
Score: 6.32694
Type of gen. func.: ogf

$\{-a(n + 4) + 20 a(n + 2) - a(n), a(0) = 1, a(1) = 4, a(2) = 16, a(3) = 79\}$

Sequence: A221764
Score: 4.08836
Type of gen. func.: ogf

$(6718 f(x) + 3203)$

$(f(x) x^4 - 8 f(x) x^3 + 14 f(x) x^2 - 6 x^3 - 8 f(x) x + 8 x^2 + f(x) - 3 x)$

Sequence: A221764
Score: 7.73473
Type of gen. func.: ogf

$$\frac{x (6 x^2 - 8 x + 3)}{(x^2 - 6 x + 1) (x - 1)^2}$$

Sequence: A221769
Score: 5.86001
Type of gen. func.: ogf

$$- \frac{3 (x - 1) (x^3 - 7 x^2 + 5 x - 1)}{10 x^5 - 80 x^4 + 120 x^3 - 67 x^2 + 15 x - 1}$$

Sequence: A221777
Score: 7.40121
Type of gen. func.: ogf

$$- \frac{x^3 + x^2 - x - 3}{(x^2 + 1) (x^3 + 4 x^2 - 8 x + 1)}$$

Sequence: A221783
Score: 5.78234
Type of gen. func.: ogf

$$- \frac{x (x^3 + x^2 + 5 x + 3)}{x^5 + 5 x^3 + 5 x^2 - 1}$$

Sequence: A221788
Score: 7.60356
Type of gen. func.: ogf

$$\frac{x^3 (20 x^2 - 16 x + 5)}{(x^2 - 6 x + 1) (x - 1)^2}$$

Sequence: A221795
Score: 4.53887
Type of gen. func.: ogf

$$(15009 f(x) + 23428)$$

$$(4 f(x) x^4 - f(x) x^3 - 6 f(x) x^2 + 4 x^3 - f(x) x - x^2 + f(x) - 4 x - 1)$$

Sequence: A221795
Score: 8.54722
Type of gen. func.: ogf

$$- \frac{4 x^3 - x^2 - 4 x - 1}{4 x^4 - x^3 - 6 x^2 - x + 1}$$

Sequence: A221796
Score: 3.22257
Type of gen. func.: ogf

$$- x (9 x^8 - 34 x^7 - 130 x^6 - 54 x^5 + 296 x^4 - 22 x^3 - 117 x^2 + 12 x + 12) \Big/ (9 x^{10} - 34 x^9 - 131 x^8 - 48 x^7 + 329 x^6 - 20 x^5 - 165 x^4 + 14 x^3 + 27 x^2 - 1)$$

Sequence: A221801
Score: 5.27027
Type of gen. func.: ogf

$$-\frac{x\,(4\,x^{4}-11\,x^{3}+2\,x^{2}-16\,x+9)}{4\,x^{6}-7\,x^{5}+4\,x^{4}-10\,x^{3}-8\,x^{2}+8\,x-1}$$

Sequence: A221821
Score: 4.51780
Type of gen. func.: ogf

$$-\frac{8\,x^{6}-16\,x^{5}+22\,x^{4}+2\,x^{3}-15\,x^{2}+4\,x+3}{8\,x^{7}-16\,x^{6}+22\,x^{5}-2\,x^{4}-11\,x^{3}-4\,x^{2}+9\,x-1}$$

Sequence: A221829
Score: 11.1117
Type of gen. func.: ogf

$$-\frac{x\,(x^{2}-x-3)}{2\,x^{2}-5\,x+1}$$

Sequence: A221829
Score: 5.50756
Type of gen. func.: ogf

$\{-a(n + 4) + 5\,a(n + 3) - 2\,a(n + 2),\ a(0) = 0,\ a(1) = 3,\ a(2) = 16,\ a(3) = 73\}$

Sequence: A221829
Score: 6.03209
Type of gen. func.: ogf

$$-(344\,f(x) + 703)\,(2\,f(x)\,x^{2} + x^{3} - 5\,f(x)\,x - x^{2} + f(x) - 3\,x)$$

Sequence: A221829
Score: 9.45327
Type of gen. func.: lgdogf

$$3\,x^{2} - 14\,x + 16$$

$$-\frac{\qquad}{2 x^{4} - 7 x^{3} + 14 x - 3}$$

Sequence: A221853
Score: 3.84063
Type of gen. func.: ogf

$$-\frac{2 x^{6} + 8 x^{5} - 16 x^{4} - 58 x^{3} + 87 x^{2} - 18 x - 1}{2 x^{8} - 18 x^{7} + 42 x^{6} + 10 x^{5} - 189 x^{4} + 113 x^{3} + 14 x^{2} - 13 x + 1}$$

Sequence: A221855
Score: 13.2163
Type of gen. func.: ogf

$$\frac{2 (4 x^{4} - 7 x^{3} - 3 x^{2} - 2)}{(x - 1)^{3}}$$

Sequence: A221855
Score: 7.29855
Type of gen. func.: ogf

$$(13088 f(x) - 1629287)$$

$$(f(x) x^{3} - 8 x^{4} - 3 f(x) x^{2} + 14 x^{3} + 3 f(x) x + 6 x^{2} - f(x) + 4)$$

Sequence: A221855
Score: 9.87884
Type of gen. func.: lgdogf

$$-\frac{4 x^{4} - 16 x^{3} + 24 x^{2} + 6 x + 6}{-4 x^{5} + 11 x^{4} - 4 x^{3} - 3 x^{2} + 2 x - 2}$$

Sequence: A221859
Score: 4.69248
Type of gen. func.: ogf

$$(73 f(x) + 1) (f(x) x^5 - 15 f(x) x^4 + 35 f(x) x^3 - 28 f(x) x^2 - 2 x^3 + 9 f(x) x + 7 x^2 - f(x) - 5 x + 1)$$

Sequence: A221859
Score: 8.47847
Type of gen. func.: ogf

$$\frac{(-1 + 2 x) (x^2 - 3 x + 1)}{x^5 - 15 x^4 + 35 x^3 - 28 x^2 + 9 x - 1}$$

Sequence: A221862
Score: 4.68603
Type of gen. func.: ogf

$$(1583 f(x) + 10) (f(x) x^5 - 15 f(x) x^4 + 35 f(x) x^3 - 28 f(x) x^2 - x^3 + 9 f(x) x + 4 x^2 - f(x) - 4 x + 1)$$

Sequence: A221862
Score: 8.62656
Type of gen. func.: ogf

$$\frac{(x - 1) (x^2 - 3 x + 1)}{x^5 - 15 x^4 + 35 x^3 - 28 x^2 + 9 x - 1}$$

Sequence: A221863
Score: 9.65212
Type of gen. func.: ogf

$$- \frac{x^2 - 3 x + 1}{x^5 - 15 x^4 + 35 x^3 - 28 x^2 + 9 x - 1}$$

Sequence: A221874
Score: 10.2098
Type of gen. func.: ogf

$$\frac{(x+1)(x^2+4x+1)}{(x^2+6x-1)(x^2-6x-1)}$$

Sequence: A221874
Score: 5.91094
Type of gen. func.: ogf

$$-(311688 f(x) - 5233) (f(x) x^4 - 38 f(x) x^2 - x^3 - 5 x^2 + f(x) - 5 x - 1)$$

Sequence: A221875
Score: 10.2566
Type of gen. func.: ogf

$$-\frac{(x-1)(x^2+8x+1)}{(x^2+6x-1)(x^2-6x-1)}$$

Sequence: A221875
Score: 5.88642
Type of gen. func.: ogf

$$-(311688 f(x) - 52001) (f(x) x^4 - 38 f(x) x^2 + x^3 + 7 x^2 + f(x) - 7 x - 1)$$

Sequence: A221880
Score: 7.89228
Type of gen. func.: ogf

$$\frac{(x^2+x-1)(x^3-4x^2+2x-1)}{(x+1)(-1+2x)^2(x-1)^2}$$

Sequence: A221882
Score: 5.27946

Type of gen. func.: ogf

$$-(46 f(x) - 1839) (4 f(x) x^4 - 12 f(x) x^3 + 13 f(x) x^2 + 2 x^3 - 6 f(x) x - 2 x^2 + f(x) + 2 x - 1)$$

Sequence: A221882
Score: 7.76082
Type of gen. func.: lgdogf

$$-\frac{-4 x^4 + 2 x^3 - 6 x^2 + 10 x - 4}{-4 x^5 + 10 x^4 - 12 x^3 + 10 x^2 - 5 x + 1}$$

Sequence: A221882
Score: 9.82382
Type of gen. func.: ogf

$$-\frac{2 x^3 - 2 x^2 + 2 x - 1}{(-1 + 2 x)^2 (x - 1)^2}$$

Sequence: A221883
Score: 3.99245
Type of gen. func.: ogf

$$\frac{x^6 - 2 x^5 - 5 x^4 + 2 x^3 + 14 x^2 + 12 x + 3}{x^8 - 3 x^7 - 5 x^6 + 13 x^5 + 18 x^4 - 16 x^3 - 27 x^2 - 7 x + 1}$$

Sequence: A221891
Score: 4.31953
Type of gen. func.: ogf

$$(39455069 f(x) + 42775941) (3 f(x) x^4 - 5 f(x) x^3 + 2 f(x) x^2 + 3 x^3 - 5 f(x) x - 8 x^2 + f(x))$$

Sequence: A221891
Score: 8.95206
Type of gen. func.: ogf

$$-\frac{x^2 (3 x - 8)}{3 x^4 - 5 x^3 + 2 x^2 - 5 x + 1}$$

Sequence: A221894
Score: 4.54028
Type of gen. func.: ogf

$$-\frac{x^6 - 4 x^5 - 2 x^4 + 34 x^3 + 33 x^2 + 16 x + 3}{x^7 - 4 x^6 - 2 x^5 + 34 x^4 + 45 x^3 + 26 x^2 + 5 x - 1}$$

Sequence: A221899
Score: 4.54028
Type of gen. func.: ogf

$$-\frac{x^6 - 4 x^5 - 2 x^4 + 10 x^3 + 25 x^2 + 16 x + 3}{x^7 - 4 x^6 - 2 x^5 + 34 x^4 + 45 x^3 + 26 x^2 + 5 x - 1}$$

Sequence: A221904
Score: 10.2114
Type of gen. func.: ogf

$$-\frac{19 x - 2}{(10 x - 1) (9 x - 1)}$$

Sequence: A221904
Score: 5.21432
Type of gen. func.: ogf

$$-(f(x) + 359) (90 f(x) x^2 - 19 f(x) x + f(x) + 19 x - 2)$$

Sequence: A221904

Score: 5.76641
Type of gen. func.: ogf

$$\{a(n+2) - 19\, a(n+1) + 90\, a(n),\ a(0) = 2,\ a(1) = 19\}$$

Sequence: A221904
Score: 6.44928
Type of gen. func.: lgdogf

$$-\frac{-1710 x^{2} + 360 x - 19}{-1710 x^{3} + 541 x^{2} - 57 x + 2}$$

Sequence: A221905
Score: 5.08968
Type of gen. func.: ogf

$$-(20 f(x) - 89)\,(3 f(x) x^{3} - 7 f(x) x^{2} + 5 f(x) x - 8 x^{2} - f(x) + x + 1)$$

Sequence: A221905
Score: 5.26985
Type of gen. func.: ogf

$$\{a(n+3) - 5\, a(n+2) + 7\, a(n+1) - 3\, a(n),\ a(0) = 1,\ a(1) = 6,\ a(2) = 15\}$$

Sequence: A221905
Score: 7.00580
Type of gen. func.: lgdogf

$$-\frac{-24 x^{3} - 18 x^{2} + 24 x - 6}{-24 x^{4} + 35 x^{3} - 9 x^{2} - 3 x + 1}$$

Sequence: A221905
Score: 9.76218
Type of gen. func.: ogf

$$\frac{8 x^{2} - x - 1}{}$$

$$(3 x - 1) (x - 1)^2$$

Sequence: A221906
Score: 4.63656
Type of gen. func.: ogf

$$-(63 f(x) + 41) (4 f(x) x^3 - 9 f(x) x^2 + 6 f(x) x - 15 x^2 - f(x) + 2 x + 1)$$

Sequence: A221906
Score: 4.84172
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 9 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 8, a(2) = 24\}$$

Sequence: A221906
Score: 6.36179
Type of gen. func.: lgdogf

$$- \frac{-60 x^3 - 44 x^2 + 40 x - 8}{-60 x^4 + 83 x^3 - 21 x^2 - 3 x + 1}$$

Sequence: A221906
Score: 8.82442
Type of gen. func.: ogf

$$\frac{(5 x + 1) (3 x - 1)}{(4 x - 1) (x - 1)^2}$$

Sequence: A221907
Score: 4.97582
Type of gen. func.: ogf

$$-(1296 f(x) + 2239)$$

$$(5 f(x) x^3 - 11 f(x) x^2 + 7 f(x) x - 24 x^2 - f(x) + 3 x + 1)$$

Sequence: A221907
Score: 5.32197
Type of gen. func.: ogf

$$\{a(n+3) - 7 a(n+2) + 11 a(n+1) - 5 a(n), a(0) = 1, a(1) = 10, a(2) = 35\}$$

Sequence: A221907
Score: 6.80029
Type of gen. func.: lgdogf

$$-\frac{-120 x^3 - 90 x^2 + 60 x - 10}{-120 x^4 + 159 x^3 - 37 x^2 - 3 x + 1}$$

Sequence: A221907
Score: 9.71470
Type of gen. func.: ogf

$$\frac{24 x^2 - 3 x - 1}{(5 x - 1) (x - 1)^2}$$

Sequence: A221908
Score: 4.60688
Type of gen. func.: ogf

$$-(25 f(x) + 59) (6 f(x) x^3 - 13 f(x) x^2 + 8 f(x) x - 35 x^2 - f(x) + 4 x + 1)$$

Sequence: A221908
Score: 4.76712
Type of gen. func.: ogf

$$\{a(n+3) - 8 a(n+2) + 13 a(n+1) - 6 a(n), a(0) = 1, a(1) = 12, a(2) = 48\}$$

Sequence: A221908
Score: 6.02438
Type of gen. func.: lgdogf

$$-\frac{-210x^{3}-162x^{2}+84x-12}{-210x^{4}+269x^{3}-57x^{2}-3x+1}$$

Sequence: A221908
Score: 8.70189
Type of gen. func.: ogf

$$\frac{35x^{2}-4x-1}{(6x-1)(x-1)^{2}}$$

Sequence: A221909
Score: 4.30715
Type of gen. func.: ogf

$(11700 f(x) + 33863)$

$$(7 f(x) x^{3} - 15 f(x) x^{2} + 9 f(x) x - 48 x^{2} - f(x) + 5 x + 1)$$

Sequence: A221909
Score: 4.53188
Type of gen. func.: ogf

$\{a(n + 3) - 9 a(n + 2) + 15 a(n + 1) - 7 a(n), a(0) = 1, a(1) = 14, a(2) = 63\}$

Sequence: A221909
Score: 8.27248
Type of gen. func.: ogf

$$\frac{48x^{2}-5x-1}{(7x-1)(x-1)^{2}}$$

Sequence: A221910
Score: 4.5505
Type of gen. func.: ogf

$(6615 f(x) + 22489)$

$$(8 f(x) x^3 - 17 f(x) x^2 + 10 f(x) x - 63 x^2 - f(x) + 6 x + 1)$$

Sequence: A221910
Score: 4.74664
Type of gen. func.: ogf

{a(n + 3) - 10 a(n + 2) + 17 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 16, a(2) = 80}

Sequence: A221910
Score: 5.92054
Type of gen. func.: lgdogf

$$- \frac{-504 x^3 - 408 x^2 + 144 x - 16}{-504 x^4 + 615 x^3 - 109 x^2 - 3 x + 1}$$

Sequence: A221910
Score: 8.60328
Type of gen. func.: ogf

$$\frac{63 x^2 - 6 x - 1}{(8 x - 1) (x - 1)^2}$$

Sequence: A221911
Score: 4.66801
Type of gen. func.: ogf

$$(53312 f(x) + 207679)$$

$$(9 f(x) x^3 - 19 f(x) x^2 + 11 f(x) x - 80 x^2 - f(x) + 7 x + 1)$$

Sequence: A221911
Score: 4.94971
Type of gen. func.: ogf

{a(n + 3) - 11 a(n + 2) + 19 a(n + 1) - 9 a(n), a(0) = 1, a(1) = 18, a(2) = 99}

Sequence: A221911
Score: 6.17383
Type of gen. func.: lgdogf

$$-\frac{-720x^3-594x^2+180x-18}{-720x^4+863x^3-141x^2-3x+1}$$

Sequence: A221911
Score: 8.97134
Type of gen. func.: ogf

$$\frac{80x^2-7x-1}{(9x-1)(x-1)^2}$$

Sequence: A221912
Score: 12.6830
Type of gen. func.: ogf

$$-\frac{x^{12}}{(x+1)(x^2+1)(x^2+x+1)(x^2-x+1)(x^4-x^2+1)(x-1)^3}$$

Sequence: A221933
Score: 5.17739
Type of gen. func.: ogf

$$-\frac{x^4-26x^3+3x^2+21x+6}{x^5-26x^4-5x^3+21x^2+14x-1}$$

Sequence: A221938
Score: 3.66345
Type of gen. func.: ogf

$$-\frac{x^8-4x^7-19x^6+8x^5+33x^4-3x^3-29x^2-14x-1}{}$$

$$x^9 - 4 x^8 - 10 x^7 + 20 x^6 + 42 x^5 - x^4 - 40 x^3 - 25 x^2 - 3 x + 1$$

Sequence: A221948
Score: 9.34500
Type of gen. func.: ogf

$$\frac{x (x^6 - 2 x^5 + 7 x^4 - 12 x^3 + 11 x^2 - 5 x + 1)}{(x - 1)^6}$$

Sequence: A221948
Score: 9.57293
Type of gen. func.: lgdogf

$$- \frac{-4 x^5 - 4 x^4 + 8 x^3 - 8 x^2 + 3 x - 1}{-x^7 + 3 x^6 - 9 x^5 + 19 x^4 - 23 x^3 + 16 x^2 - 6 x + 1}$$

Sequence: A221949
Score: 12.8472
Type of gen. func.: ogf

$$- \frac{x (2 x^4 + x^3 + x^2 - 2 x + 1)}{(x^3 + x^2 + x - 1) (x - 1)^2}$$

Sequence: A221949
Score: 7.94028
Type of gen. func.: lgdogf

$$- \frac{2 x^7 + 4 x^6 + 6 x^5 + 4 x^4 - x^3 - 3 x^2 + x - 1}{2 x^8 + x^7 + x^6 - 6 x^5 + x^4 - x^3 + 5 x^2 - 4 x + 1}$$

Sequence: A221950
Score: 17.3597
Type of gen. func.: ogf

$$-\frac{1}{x^6 + 2 x^5 + 3 x^4 + 2 x^3 + x^2 + x - 1}$$

Sequence: A221950
Score: 9.89807
Type of gen. func.: lgdogf

$$-\frac{-6 x^5 - 10 x^4 - 12 x^3 - 6 x^2 - 2 x - 1}{-x^6 - 2 x^5 - 3 x^4 - 2 x^3 - x^2 - x + 1}$$

Sequence: A221953
Score: 17.6768
Type of gen. func.: egf]

$$-20 f(x)^2 x + f(x)^2 - 1$$

Sequence: A221953
Score: 27.1044
Type of gen. func.: lgdegf]

$$\frac{10}{-20 x + 1}$$

Sequence: A221953
Score: 66.8165
Type of gen. func.: lgdegf]

$$\frac{10}{-20 x + 1}$$

Sequence: A221953
Score: 8.93551
Type of gen. func.: ogf

$$\{(-20 n - 30) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 10\}$$

Sequence: A221954
Score: 10.6327
Type of gen. func.: ogf

$$\{(-12 n - 18) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 6\}$$

Sequence: A221954
Score: 20.8031
Type of gen. func.: egf]

$$-12 f(x)^2 x + f(x)^2 - 1$$

Sequence: A221954
Score: 32.9980
Type of gen. func.: lgdegf]

$$\frac{6}{-12 x + 1}$$

Sequence: A221954
Score: 85.9241
Type of gen. func.: lgdegf]

$$\frac{6}{-12 x + 1}$$

Sequence: A221955
Score: 18.2311
Type of gen. func.: egf]

$$-24 f(x)^2 x + f(x)^2 - 1$$

Sequence: A221955
Score: 27.9543
Type of gen. func.: lgdegf]

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                12
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```

$$-24 x + 1$$

Sequence: A221955
Score: 68.9414
Type of gen. func.: lgdegf]

$$\frac{12}{-24 x + 1}$$

Sequence: A221955
Score: 9.21571
Type of gen. func.: ogf

$$\{(-24 n - 36) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 12\}$$

Sequence: A221957
Score: 4.18199
Type of gen. func.: ogf

$$\{(-4 n^2 - 18 n - 20) a(n + 1) + (n^2 + 10 n + 19) a(n + 2) + (-3 - n) a(n + 3),$$
$$a(0) = 1, a(1) = 2, a(2) = 7\}$$

Sequence: A221959
Score: 11.1632
Type of gen. func.: ogf

$$\frac{17 x - 2}{(6 x - 1) (4 x - 1) (8 x - 1) (16 x - 1) (10 x - 1)}$$

Sequence: A221962
Score: 4.43405
Type of gen. func.: ogf

$$(573 f(x) - 6118) (8 f(x) x^4 + 4 f(x) x^3 - 8 f(x) x^2 + 56 x^3 - 3 f(x) x + 28 x^2$$
$$+ f(x) - 28 x - 7)$$

Sequence: A221962
Score: 8.03670
Type of gen. func.: ogf

$$-\frac{7\,(8x^3+4x^2-4x-1)}{(x+1)\,(8x^3-4x^2-4x+1)}$$

Sequence: A221963
Score: 5.84316
Type of gen. func.: ogf

$$-\frac{9\,(-1+2x)\,(8x^3-6x-1)}{(x-1)\,(2x+1)\,(8x^3-6x+1)}$$

Sequence: A221964
Score: 4.72535
Type of gen. func.: ogf

$$-\frac{11\,(32x^5+16x^4-32x^3-12x^2+6x+1)}{(x+1)\,(32x^5-16x^4-32x^3+12x^2+6x-1)}$$

Sequence: A221965
Score: 4.30497
Type of gen. func.: ogf

$$-\frac{13\,(64x^6-32x^5-80x^4+32x^3+24x^2-6x-1)}{(x-1)\,(64x^6+32x^5-80x^4-32x^3+24x^2+6x-1)}$$

Sequence: A221966
Score: 3.49887
Type of gen. func.: ogf

$$-\frac{15\,(2x+1)\,(4x^2+2x-1)\,(16x^4-8x^3-16x^2+8x+1)}{(-1+2x)\,(x+1)\,(4x^2-2x-1)\,(16x^4+8x^3-16x^2-8x+1)}$$

Sequence: A221968
Score: 5.49459
Type of gen. func.: ogf

$$-\frac{(x^2 - 12 x - 9) (x^3 + 5 x^2 + 27 x + 7)}{(x - 1)^6}$$

Sequence: A221969
Score: 4.39411
Type of gen. func.: ogf

$$-\frac{(x + 3) (x^5 - 9 x^4 + 170 x^3 + 878 x^2 + 453 x + 43)}{(x - 1)^7}$$

Sequence: A221970
Score: 3.69426
Type of gen. func.: ogf

$$-\frac{x^7 - 9 x^6 - 219 x^5 - 5469 x^4 - 21597 x^3 - 21723 x^2 - 5385 x - 255}{(x - 1)^8}$$

Sequence: A221992
Score: 8.23316
Type of gen. func.: ogf

$$-\frac{(x^2 + x + 1) (x^4 - x^3 - x + 2)}{x^7 - x^6 - x^4 + 2 x^3 + x - 1}$$

Sequence: A221993
Score: 5.83966
Type of gen. func.: ogf

$$(x^2 + x + 1) (x^6 + 2 x^4 - 3 x^3 - x + 2)$$

$$- \frac{}{x^{9} + 2 x^{7} - 3 x^{6} - 2 x^{4} + 3 x^{3} + x - 1}$$

Sequence: A222001
Score: 10.2635
Type of gen. func.: ogf

$$- \frac{3 x^{3} - 10 x^{2} + 12 x - 6}{(x - 1)^{4}}$$

Sequence: A222001
Score: 4.26747
Type of gen. func.: ogf

$$\{(13 n^{2} + 101 n + 150) a(n + 1) + (-28 n^{2} - 200 n - 324) a(n + 2)$$
$$+ (15 n^{2} + 93 n + 144) a(n + 3), a(0) = 6, a(1) = 12, a(2) = 22\}$$

Sequence: A222001
Score: 5.63069
Type of gen. func.: ogf

$$(224 f(x) + 1541) ($$
$$f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} + 3 x^{3} - 4 f(x) x - 10 x^{2} + f(x) + 12 x - 6$$
$$)$$

Sequence: A222001
Score: 9.42813
Type of gen. func.: lgdogf

$$- \frac{-3 x^{3} + 11 x^{2} - 16 x + 12}{-3 x^{4} + 13 x^{3} - 22 x^{2} + 18 x - 6}$$

Sequence: A222006
Score: 12.7292

Type of gen. func.: ogf_with_Euler_transform]

$$\frac{1}{2 x^2} + \frac{1/2\, I\, (2 x + 1)^{1/2}\, (-1 + 2 x)^{1/2}}{x^2}$$

Sequence: A222015
Score: 3.73121
Type of gen. func.: ogf

$$- \frac{(x + 1)\, (x^7 - 5 x^6 - 5 x^5 + 21 x^4 + 13 x^3 - 17 x^2 - 15 x - 3)}{x^9 - 4 x^8 - 10 x^7 + 20 x^6 + 42 x^5 - x^4 - 40 x^3 - 25 x^2 - 3 x + 1}$$

Sequence: A222021
Score: 7.05824
Type of gen. func.: ogf

$$- \frac{x^8 + x^7 + 2 x^6 + x^5 + x^4 + x^2 + x + 2}{(x^4 - x^3 + x^2 - x + 1)\, (x^5 + x^4 + x^3 + x^2 - 1)}$$

Sequence: A222022
Score: 4.54148
Type of gen. func.: ogf

$$- \frac{x^{14} - x^{13} - x^{12} - 2 x^{11} - 2 x^8 - x^3 + x^2 + x + 2}{(x - 1)\, (x^2 + x + 1)\, (x^{12} - 2 x^{11} - x^8 - x^6 - x^3 - x + 1)}$$

Sequence: A222036
Score: 4.63329
Type of gen. func.: ogf

$$- \frac{x^{11} + 2 x^{10} + x^9 - x^8 + x^6 + 2 x^5 - x^2 + 2}{x^{12} + x^{11} - x^{10} - 2 x^9 + x^8 + x^7 + x^6 - x^5 - x^3 + 2 x - 1}$$

Sequence: A222040
Score: 10.3578
Type of gen. func.: ogf

$$\frac{x^6 + x^5 + x^4 + x^3 + 2}{(x - 1)\,(x^2 + x - 1)}$$

Sequence: A222042
Score: 7.83202
Type of gen. func.: ogf

$$\frac{x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + 2}{(x - 1)\,(x^2 + x - 1)}$$

Sequence: A222055
Score: 10.0130
Type of gen. func.: lgdegf]

$$\frac{-\ln(x - 1) - \ln(x + 1) + \mathrm{Pi}\ I}{x^2}$$

Sequence: A222055
Score: 26.6015
Type of gen. func.: lgdegf]

$$\frac{-\ln(x - 1) - \ln(x + 1) + \mathrm{Pi}\ I}{x^2}$$

Sequence: A222080
Score: 5.16505
Type of gen. func.: ogf

$\{(4 n^2 + 12 n + 9) a(n + 1) + (-4 n - 10) a(n + 2) + a(n + 3), a(0) = 1,$

$a(1) = 2, a(2) = 11\}$

Sequence: A222090
Score: 3.99245
Type of gen. func.: ogf

$$-\frac{2 x^6 - 18 x^5 + 49 x^4 - 63 x^3 + 51 x^2 - 20 x + 3}{4 x^7 - 44 x^6 + 156 x^5 - 258 x^4 + 217 x^3 - 90 x^2 + 17 x - 1}$$

Sequence: A222094
Score: 4.26885
Type of gen. func.: ogf

$$\frac{2 x^5 - 20 x^4 + 49 x^3 - 49 x^2 + 20 x - 3}{4 x^7 - 44 x^6 + 156 x^5 - 258 x^4 + 217 x^3 - 90 x^2 + 17 x - 1}$$

Sequence: A222098
Score: 11.0314
Type of gen. func.: ogf

$$-\frac{2 (3 x - 2)}{17 x^2 - 13 x + 1}$$

Sequence: A222098
Score: 5.45766
Type of gen. func.: ogf

$$-(231 f(x) + 134) (17 f(x) x^2 - 13 f(x) x + f(x) + 6 x - 4)$$

Sequence: A222098
Score: 6.09973
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1) + 17 a(n), a(0) = 4, a(1) = 46\}$$

Sequence: A222098

Score: 7.40681
Type of gen. func.: lgdogf

$$-\frac{-51x^2+68x-23}{-51x^3+73x^2-29x+2}$$

Sequence: A222099
Score: 5.04343
Type of gen. func.: ogf

$$-\frac{2(36x^4-26x^3-133x^2+71x-8)}{144x^5-114x^4-521x^3+302x^2-42x+1}$$

Sequence: A222121
Score: 7.38323
Type of gen. func.: ogf

$$-\frac{x^7+x^6+x^5+x^4+x^2+x+2}{(x^2+x+1)(x^6-x^5+x^4-x^2+2x-1)}$$

Sequence: A222122
Score: 9.77897
Type of gen. func.: ogf

$$-\frac{x^4+x^3+x^2+x+2}{x^5+x^3+x-1}$$

Sequence: A222123
Score: 7.88190
Type of gen. func.: ogf

$$-\frac{x^5-x^4-2x^3-x^2-x-2}{x^6-2x^5-x^3-x+1}$$

Sequence: A222124
Score: 4.11524
Type of gen. func.: ogf

$$-\frac{(x^2+x+1)(x^{10}-2x^9-x^8+2x^7-3x^6+2x^4-3x^3+x-2)}{x^{13}-2x^{12}-x^{10}-x^8-x^5-x^3-x+1}$$

Sequence: A222125
Score: 4.59167
Type of gen. func.: ogf

$$-\frac{x^{14}-x^{12}-x^{10}-2x^7+x^6+x^5+x^4+2x^3+x^2+x+2}{(x^2-x+1)(x^{13}-x^{11}-x^{10}+x^8+x^7-x^6+x^4+2x^3+x^2-1)}$$

Sequence: A222138
Score: 10.1568
Type of gen. func.: ogf

$$\{a(n+1)-13\,a(n),\ a(0)=4\}$$

Sequence: A222138
Score: 12.8169
Type of gen. func.: ogf

$$-13 f(x) x + f(x) - 4$$

Sequence: A222138
Score: 17.9437
Type of gen. func.: lgdogf

$$\frac{13}{-13x+1}$$

Sequence: A222138
Score: 20.7042
Type of gen. func.: ogf

$$-\frac{4}{13 x - 1}$$

Sequence: A222139
Score: 4.98782
Type of gen. func.: ogf

$$-(6677 f(x) + 7412) (116 f(x) x^2 - 45 f(x) x + f(x) + 44 x - 16)$$

Sequence: A222139
Score: 5.66798
Type of gen. func.: ogf

$$\{a(n + 2) - 45 a(n + 1) + 116 a(n), a(0) = 16, a(1) = 676\}$$

Sequence: A222139
Score: 6.39464
Type of gen. func.: lgdogf

$$-\frac{-1276 x^2 + 928 x - 169}{-1276 x^3 + 959 x^2 - 191 x + 4}$$

Sequence: A222139
Score: 9.97564
Type of gen. func.: ogf

$$-\frac{4 (11 x - 4)}{116 x^2 - 45 x + 1}$$

Sequence: A222140
Score: 2.89382
Type of gen. func.: ogf

$$-(252511604804741 f(x) + 489112692325936)$$

$$(6434 f(x) x^3 - 2197 f(x) x^2 + 153 f(x) x + 3008 x^2 - f(x) - 1004 x + 64)$$

Sequence: A222140
Score: 3.51710
Type of gen. func.: ogf

$\{-a(n + 3) + 153 a(n + 2) - 2197 a(n + 1) + 6434 a(n), a(0) = 64, a(1) = 8788,$

$a(2) = 1206964\}$

Sequence: A222140
Score: 6.01609
Type of gen. func.: ogf

$$-\frac{4 (752 x^{2} - 251 x + 16)}{6434 x^{3} - 2197 x^{2} + 153 x - 1}$$

Sequence: A222160
Score: 7.66612
Type of gen. func.: ogf

$$\frac{(x + 1)^{2}}{(x^{2} + x - 1) (x^{4} + x^{3} + 2 x^{2} + 2 x - 1)}$$

Sequence: A222170
Score: 9.22667
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^{2} + 3 x + 1)}{(x^{2} + x + 1) (x - 1)^{3}}$$

Sequence: A222182
Score: 12.5468
Type of gen. func.: lgdogf

$$-\frac{5 x^{2} - 18 x + 1}{}$$

$$5 x^3 - 19 x^2 + 19 x - 5$$

Sequence: A222182
Score: 13.5586
Type of gen. func.: ogf

$$\frac{5 x^2 - 14 x + 5}{(x - 1)^3}$$

Sequence: A222182
Score: 7.06414
Type of gen. func.: ogf

$$-(25 f(x) - 198) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 5 x^2 - f(x) + 14 x - 5)$$

Sequence: A222182
Score: 7.50565
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = -5, a(1) = -1, a(2) = 7\}$$

Sequence: A222210
Score: 6.11570
Type of gen. func.: ogf

$$- \frac{10 x^{30} - 20 x^{20} + 9 x^{10} - x^9 - x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - 2 x^2 + x - 1}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A222217
Score: 5.26387
Type of gen. func.: ogf

$$\frac{x^9 + 8 x^8 - 15 x^7 + 16 x^6 - 15 x^5 + 16 x^4 - 15 x^3 + 16 x^2 - 15 x + 8}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A222218
Score: 7.38574
Type of gen. func.: ogf

$$\frac{10 x^{10} - 8 x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} - 8 x + 9}{(x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A222225
Score: 6.52576
Type of gen. func.: ogf

$$x (70 x^{29} - 140 x^{19} + 71 x^{9} + 8 x^{8} - 6 x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} - 6 x + 8) \Big/ ((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2})$$

Sequence: A222254
Score: 7.68356
Type of gen. func.: ogf

$$\frac{x (2 x^{9} - x^{8} + 2 x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}{(x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A222256
Score: 11.9969
Type of gen. func.: ogf

$$\frac{x (4 x^{4} + 2 x^{3} + 3 x^{2} + 2 x + 1)}{(x - 1)^{2} (x^{2} + x + 1)^{2}}$$

Sequence: A222257
Score: 11.7061
Type of gen. func.: ogf

5   4   3   2

$$\frac{3 x + x + 2 x + 3 x + 2 x + 1}{(x - 1)^{2} (x^{2} + x + 1)^{2}}$$

Sequence: A222258
Score: 13.1608
Type of gen. func.: ogf

$$\frac{x (5 x^{6} + 2 x^{5} + 3 x^{4} + 4 x^{3} + 3 x^{2} + 2 x + 1)}{(x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2}}$$

Sequence: A222259
Score: 12.7572
Type of gen. func.: ogf

$$\frac{4 x^{7} + x^{6} + 2 x^{5} + 3 x^{4} + 4 x^{3} + 3 x^{2} + 2 x + 1}{(x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2}}$$

Sequence: A222260
Score: 11.0859
Type of gen. func.: ogf

$$\frac{x (6 x^{8} + 2 x^{7} + 3 x^{6} + 4 x^{5} + 5 x^{4} + 4 x^{3} + 3 x^{2} + 2 x + 1)}{(x - 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2}}$$

Sequence: A222261
Score: 9.36711
Type of gen. func.: ogf

$$\frac{5 x^{9} + x^{8} + 2 x^{7} + 3 x^{6} + 4 x^{5} + 5 x^{4} + 4 x^{3} + 3 x^{2} + 2 x + 1}{(x - 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2}}$$

Sequence: A222276
Score: 4.85329

Type of gen. func.: ogf

$$-(37222 f(x) + 41855) (335 f(x) x^{2} - 92 f(x) x + f(x) + 95 x - 25)$$

Sequence: A222276
Score: 5.56219
Type of gen. func.: ogf

$$\{a(n + 2) - 92 a(n + 1) + 335 a(n), a(0) = 25, a(1) = 2205\}$$

Sequence: A222276
Score: 6.18794
Type of gen. func.: lgdogf

$$- \frac{-6365 x^{2} + 3350 x - 441}{-6365 x^{3} + 3423 x^{2} - 479 x + 5}$$

Sequence: A222276
Score: 9.90070
Type of gen. func.: ogf

$$- \frac{5 (19 x - 5)}{335 x^{2} - 92 x + 1}$$

Sequence: A222277
Score: 3.26825
Type of gen. func.: ogf

$$\{-a(n + 3) + 399 a(n + 2) - 10749 a(n + 1) + 64767 a(n), a(0) = 125,$$

$$a(1) = 46305, a(2) = 17153945\}$$

Sequence: A222277
Score: 5.51518
Type of gen. func.: ogf

$$- \frac{5 (4375 x^{2} - 714 x + 25)}{}$$

$$64767 x^3 - 10749 x^2 + 399 x - 1$$

Sequence: A222308
Score: 8.13398
Type of gen. func.: lgdogf

$$-\frac{-3 x^5 - 31 x^4 - 115 x^3 - 171 x^2 - 126 x - 34}{-x^6 - 7 x^5 - 17 x^4 - 9 x^3 + 12 x^2 + 16 x + 6}$$

Sequence: A222308
Score: 8.69983
Type of gen. func.: ogf

$$-\frac{x (x^4 + 7 x^3 + 18 x^2 + 16 x + 6)}{(x + 1)^2 (x - 1)^5}$$

Sequence: A222309
Score: 5.09044
Type of gen. func.: ogf

$$-\frac{x (x^8 + 17 x^7 + 126 x^6 + 354 x^5 + 591 x^4 + 507 x^3 + 262 x^2 + 58 x + 4)}{(x + 1)^4 (x - 1)^7}$$

Sequence: A222329
Score: 7.25759
Type of gen. func.: ogf

$$-\frac{x^6 + x^5 + x^4 + x^3 + x^2 + x + 2}{x^7 + x^5 + x^3 + x - 1}$$

Sequence: A222330
Score: 5.92191
Type of gen. func.: ogf

$$-\frac{x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+2}{x^9+x^7+x^5+x^3+x-1}$$

Sequence: A222331
Score: 4.92616
Type of gen. func.: ogf

$$-\frac{x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+2}{x^{11}+x^9+x^7+x^5+x^3+x-1}$$

Sequence: A222332
Score: 4.17893
Type of gen. func.: ogf

$$-\frac{x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+2}{x^{13}+x^{11}+x^9+x^7+x^5+x^3+x-1}$$

Sequence: A222333
Score: 3.62854
Type of gen. func.: ogf

$$-(x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+2) \Big/ (x^{15}+x^{13}+x^{11}+x^9+x^7+x^5+x^3+x-1)$$

Sequence: A222335
Score: 12.5086
Type of gen. func.: ogf

$$-31 f(x) x + f(x) - 6$$

Sequence: A222335
Score: 17.5121
Type of gen. func.: lgdogf

$$\frac{31}{-31 x + 1}$$

Sequence: A222335
Score: 20.2062
Type of gen. func.: ogf

$$-\frac{6}{31 x - 1}$$

Sequence: A222335
Score: 9.91249
Type of gen. func.: ogf

$$\{a(n + 1) - 31 a(n), a(0) = 6\}$$

Sequence: A222336
Score: 4.39637
Type of gen. func.: ogf

$$-(49759 f(x) + 55718) (774 f(x) x^2 - 165 f(x) x + f(x) + 174 x - 36)$$

Sequence: A222336
Score: 5.08026
Type of gen. func.: ogf

$$\{a(n + 2) - 165 a(n + 1) + 774 a(n), a(0) = 36, a(1) = 5766\}$$

Sequence: A222336
Score: 8.79275
Type of gen. func.: ogf

$$-\frac{6 (29 x - 6)}{774 x^2 - 165 x + 1}$$

Sequence: A222337
Score: 3.57947
Type of gen. func.: ogf

$$\{-a(n + 3) + 873\, a(n + 2) - 38091\, a(n + 1) + 387974\, a(n),\ a(0) = 216,\ a(1) = 178746,\ a(2) = 147918906\}$$

Sequence: A222337
Score: 6.02399
Type of gen. func.: ogf

$$-\frac{6\,(16884\,x^2 - 1637\,x + 36)}{387974\,x^3 - 38091\,x^2 + 873\,x - 1}$$

Sequence: A222341
Score: 6.21125
Type of gen. func.: ogf

$$-\frac{35\,x^4 - 515\,x^3 + 1078\,x^2 - 674\,x + 126}{x^5 - 15\,x^4 + 35\,x^3 - 28\,x^2 + 9\,x - 1}$$

Sequence: A222342
Score: 4.49359
Type of gen. func.: ogf

$$-\frac{126\,x^5 - 2611\,x^4 + 8095\,x^3 - 8341\,x^2 + 3368\,x - 462}{x^6 - 21\,x^5 + 70\,x^4 - 84\,x^3 + 45\,x^2 - 11\,x + 1}$$

Sequence: A222381
Score: 6.49268
Type of gen. func.: ogf

$$-\frac{2\,(32\,x^6 + 16\,x^4 - 20\,x^3 + 4\,x + 1)}{(4\,x - 1)\,(4\,x^3 - 1)^2}$$

Sequence: A222382
Score: 6.42711
Type of gen. func.: ogf

$$-\frac{8\,(16\,x^{4}+8\,x^{2}-2\,x+1)}{(8\,x-1)\,(-1+2\,x)^{2}\,(2\,x+1)^{2}}$$

Sequence: A222390
Score: 8.58527
Type of gen. func.: ogf

$$-\frac{3\,x\,(x^{2}+4\,x+1)}{(x-1)\,(x^{2}+6\,x-1)\,(x^{2}-6\,x-1)}$$

Sequence: A222393
Score: 7.16684
Type of gen. func.: lgdogf

$$-\frac{3\,x^{5}+3\,x^{4}-38\,x^{3}-102\,x^{2}+67\,x+3}{x^{6}-35\,x^{4}+35\,x^{2}-1}$$

Sequence: A222393
Score: 8.46205
Type of gen. func.: ogf

$$-\frac{4\,x\,(x+1)^{2}}{(x-1)\,(x^{2}+6\,x+1)\,(x^{2}-6\,x+1)}$$

Sequence: A222408
Score: 6.65335
Type of gen. func.: ogf

$$-\frac{x^{4}+6\,x^{3}+16\,x^{2}+6\,x+1}{\qquad{}^{5}}$$

$(x - 1)$

Sequence: A222409
Score: 11.2244
Type of gen. func.: ogf

$$\frac{x (x^4 + 3 x^3 - 2 x^2 + 3 x + 3)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A222410
Score: 4.51691
Type of gen. func.: ogf

$$- \frac{x^6 + 8 x^5 + 29 x^4 + 64 x^3 + 29 x^2 + 8 x + 1}{(x - 1)^7}$$

Sequence: A222431
Score: 4.14503
Type of gen. func.: ogf

$$- \frac{x^{12} + x^{10} + x^9 - 2 x^8 + x^7 - x^6 - x^5 + 2 x^4 + x - 2}{(x - 1) (x + 1) (x^2 + 1) (x^9 - x^8 + x^7 - x^5 + x^4 - x^2 + 2 x - 1)}$$

Sequence: A222439
Score: 10.8593
Type of gen. func.: ogf

$$- \frac{3 (5 x - 3)}{27 x^2 - 18 x + 1}$$

Sequence: A222439
Score: 5.42965
Type of gen. func.: ogf

2

$$-(240 f(x) + 241) (27 f(x) x - 18 f(x) x + f(x) + 15 x - 9)$$

Sequence: A222439
Score: 6.06101
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1) + 27 a(n), a(0) = 9, a(1) = 147\}$$

Sequence: A222439
Score: 7.04388
Type of gen. func.: lgdogf

$$-\frac{-135 x^2 + 162 x - 49}{-135 x^3 + 171 x^2 - 59 x + 3}$$

Sequence: A222440
Score: 3.97803
Type of gen. func.: ogf

$$-(34260828260 f(x) + 31413749121)$$

$$(263 f(x) x^3 - 267 f(x) x^2 + 45 f(x) x + 189 x^2 - f(x) - 186 x + 27)$$

Sequence: A222440
Score: 4.61452
Type of gen. func.: ogf

$$\{-a(n + 3) + 45 a(n + 2) - 267 a(n + 1) + 263 a(n), a(0) = 27, a(1) = 1029,$$

$$a(2) = 39285\}$$

Sequence: A222440
Score: 8.12415
Type of gen. func.: ogf

$$-\frac{3 (63 x^2 - 62 x + 9)}{263 x^3 - 267 x^2 + 45 x - 1}$$

Sequence: A222459
Score: 3.83215
Type of gen. func.: ogf

$$-(477572 f(x) + 530579) (1547 f(x) x^2 - 270 f(x) x + f(x) + 287 x - 49)$$

Sequence: A222459
Score: 4.45697
Type of gen. func.: ogf

$$\{a(n + 2) - 270 a(n + 1) + 1547 a(n), a(0) = 49, a(1) = 12943\}$$

Sequence: A222459
Score: 7.73662
Type of gen. func.: ogf

$$-\frac{7 (41 x - 7)}{1547 x^2 - 270 x + 1}$$

Sequence: A222465
Score: 11.6437
Type of gen. func.: lgdogf

$$-\frac{-7 x^2 - 10 x - 7}{-7 x^3 + 9 x^2 - 5 x + 3}$$

Sequence: A222465
Score: 12.4072
Type of gen. func.: ogf

$$-\frac{7 x^2 - 2 x + 3}{(x - 1)^3}$$

Sequence: A222465

Score: 6.63893
Type of gen. func.: ogf

```
                           3           2                 2
    (80 f(x) - 141) (f(x) x  - 3 f(x) x  + 3 f(x) x + 7 x  - f(x) - 2 x + 3)
```

Sequence: A222465
Score: 6.69768
Type of gen. func.: ogf

```
   {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3, a(1) = 7, a(2) = 19}
```

Sequence: A222467
Score: 5.23761
Type of gen. func.: ogf

```
    {2 a(n + 1) + (n + 3) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 1, a(2) = 4}
```

Sequence: A222468
Score: 4.89980
Type of gen. func.: ogf

```
   {-2 a(n + 1) + (-n - 4) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 2, a(2) = 8}
```

Sequence: A222469
Score: 4.68388
Type of gen. func.: ogf

```
   {-2 a(n + 1) + (n + 3) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 1, a(2) = 0}
```

Sequence: A222470
Score: 4.67131
Type of gen. func.: ogf

```
   {2 a(n + 1) + (-n - 4) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 2, a(2) = 4}
```

Sequence: A222472
Score: 5.00135
Type of gen. func.: ogf

$\{-3 a(n + 1) + (-n - 4) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 2, a(2) = 9\}$

Sequence: A222549
Score: 5.25583
Type of gen. func.: ogf

$$-\frac{x^6 + 3x^5 - 11x^4 + 6x^3 - 6x^2 + 15x - 7}{(x - 1)(x^6 + 4x^5 - 8x^4 - 2x^2 + 4x - 1)}$$

Sequence: A222550
Score: 3.72007
Type of gen. func.: ogf

$$-\frac{7x^8 + 148x^7 + 224x^6 - 473x^5 + 175x^4 + 14x^3 - 110x^2 + 115x - 31}{x^9 + 21x^8 + 29x^7 - 73x^6 + 36x^5 - 4x^4 - 10x^3 + 15x^2 - 7x + 1}$$

Sequence: A222591
Score: 6.68063
Type of gen. func.: ogf

$$-\frac{2x^8 + 2x^7 + x^6 - x^5 + 2x^4 + x^3 + 8x^2 + 5x + 1}{(x - 1)^3 (x^2 + x + 1)^3}$$

Sequence: A222620
Score: 4.10309
Type of gen. func.: ogf

$$x (5x^{20} - x^{19} - x^{18} - x^{17} - x^{16} + 8x^{15} + 45x^{14} + 10x^{13} + 10x^{12} + 10x^{11} + 10x^{10} + x^9 + x^5 + x^4 + x^3 + x^2 + x + 1) / ((x + 1)(x^2 + x + 1)(x^2 - x + 1)(x - 1)^2)$$

Sequence: A222655

Score: 7.45959
Type of gen. func.: lgdogf

$$-\frac{5x^4+100x^3+270x^2+100x+5}{5x^5+35x^4+10x^3-50x^2+x-1}$$

Sequence: A222655
Score: 8.15893
Type of gen. func.: ogf

$$-\frac{4(5x^4+40x^3+50x^2+1)}{(x-1)^5}$$

Sequence: A222657
Score: 13.5791
Type of gen. func.: ogf

$$\frac{x^3+2x+1}{(x^2+x+1)(x-1)^2}$$

Sequence: A222657
Score: 4.98990
Type of gen. func.: ogf

$$\{(-4n-15)a(n+1)-4a(n+2)-4a(n+3)+(4n+11)a(n+4),\ a(0)=1,$$
$$a(1)=3,\ a(2)=3,\ a(3)=5\}$$

Sequence: A222657
Score: 7.39575
Type of gen. func.: ogf

$$(8f(x)+21)(f(x)x^4-f(x)x^3-x^3-f(x)x+f(x)-2x-1)$$

Sequence: A222657
Score: 9.41277

Type of gen. func.: lgdogf

$$-\frac{-x^5 - x^4 - 7x^3 - 9x^2 - 3x - 3}{-x^6 - 2x^4 + 2x + 1}$$

Sequence: A222704
Score: 16.5119
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^5 - x^3 - x}{-x + 1}$$

Sequence: A222705
Score: 16.7587
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^6 - x^4 - x}{-x + 1}$$

Sequence: A222706
Score: 16.5998
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^7 - x^5 - x}{-x + 1}$$

Sequence: A222707
Score: 16.9255
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^8 - x^6 - x}{-x + 1}$$

Sequence: A222708
Score: 16.8456

Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^9 - x^7 - x}{-x + 1}$$

Sequence: A222709
Score: 16.4305
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{10} - x^8 - x}{-x + 1}$$

Sequence: A222710
Score: 16.2740
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{11} - x^9 - x}{-x + 1}$$

Sequence: A222715
Score: 7.07896
Type of gen. func.: ogf

$$\frac{2 (7 x^4 + 8 x^3 + 12 x^2 + 4 x + 1)}{(x + 1)^3 (x - 1)^6}$$

Sequence: A222716
Score: 11.2996
Type of gen. func.: ogf

$$\frac{10 x (x^2 + 4 x + 1)}{(x - 1)^6}$$

Sequence: A222716

Score: 16.2645
Type of gen. func.: lgdogf

$$-\frac{4x^2+22x+10}{x^3+3x^2-3x-1}$$

Sequence: A222716
Score: 5.34060
Type of gen. func.: ogf

$$\{(n+3)\,a(n+4)+(-4+3n)\,a(n+3)+(-25-3n)\,a(n+2)$$
$$+(-n-4)\,a(n+1),\ a(0)=0,\ a(1)=10,\ a(2)=100,\ a(3)=460\}$$

Sequence: A222731
Score: 12.4741
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^7-x^6-2x^4+2x^2+x}{x-1}$$

Sequence: A222732
Score: 12.7943
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^9+x^8+2x^5-2x^3-x}{-x+1}$$

Sequence: A222733
Score: 12.0102
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{11}-x^{10}-2x^6+2x^4+x}{x-1}$$

Sequence: A222734
Score: 12.0758

Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{13}+x^{12}+2\,x^{7}-2\,x^{5}-x}{-x+1}$$

Sequence: A222735
Score: 12.3725
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{15}-x^{14}-2\,x^{8}+2\,x^{6}+x}{x-1}$$

Sequence: A222736
Score: 12.1982
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{17}+x^{16}+2\,x^{9}-2\,x^{7}-x}{-x+1}$$

Sequence: A222737
Score: 11.9044
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{19}-x^{18}-2\,x^{10}+2\,x^{8}+x}{x-1}$$

Sequence: A222738
Score: 12.1963
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{21}-x^{20}-2\,x^{11}+2\,x^{9}+x}{x-1}$$

Sequence: A222739
Score: 5.21172
Type of gen. func.: ogf

$$-\frac{4\,(250000\,x^3 - 157875\,x^2 + 6795\,x - 19)}{(x - 1)\,(100\,x - 1)\,(1000\,x - 1)\,(10\,x - 1)}$$

Sequence: A222740
Score: 4.16124
Type of gen. func.: ogf

$$-\frac{x^8 + 15\,x^7 + 2\,x^6 - 3\,x^5 + 66\,x^4 - 3\,x^3 + 2\,x^2 + 15\,x + 1}{(x - 1)^3\,(x^2 + 1)^3}$$

Sequence: A222755
Score: 4.70351
Type of gen. func.: ogf

$$-\frac{16\,x^{14} + 16\,x^{12} - x^{10} + 4\,x^9 - 49\,x^8 - x^7 - 16\,x^6 - x^5 - 5\,x^3 + 4\,x^2 - 1}{(x - 1)\,(2\,x + 1)\,(-1 + 2\,x)\,(x + 1)\,(x^2 + x + 1)\,(x^2 - x + 1)}$$

Sequence: A222759
Score: 4.54380
Type of gen. func.: ogf

$$- x\,(x^{24} - x^{22} + x^{21} - x^{19} + x^{18} - x^{16} + x^{15} - x^{13} + x^{12} - x^{10} + x^9 - x^7 + x^6 + x^3 - x^2 - x + 2)/(x - 1)$$

Sequence: A222776
Score: 5.10026
Type of gen. func.: ogf

$$\frac{(x + 1)\,(53\,x^5 - 189\,x^4 + 192\,x^3 - 81\,x^2 + 15\,x - 1)}{(x - 1)\,(6\,x - 1)\,(4\,x - 1)\,(3\,x - 1)\,(-1 + 2\,x)}$$

Sequence: A222777

Score: 4.87516
Type of gen. func.: ogf

$$\frac{660 x^5 - 1779 x^4 - 667 x^3 + 559 x^2 - 71 x + 2}{(x - 1) (4 x - 1) (25 x - 1) (9 x - 1)}$$

Sequence: A222778
Score: 3.00693
Type of gen. func.: ogf

$\{a(n + 5) - 101 a(n + 4) + 1470 a(n + 3) - 3528 a(n + 2), a(0) = 3, a(1) = 34,$

$a(2) = 969, a(3) = 64752, a(4) = 5227536\}$

Sequence: A222778
Score: 5.16816
Type of gen. func.: ogf

$$\frac{7938 x^4 - 6279 x^3 - 1945 x^2 + 269 x - 3}{(3 x - 1) (14 x - 1) (84 x - 1)}$$

Sequence: A222834
Score: 4.76958
Type of gen. func.: ogf

$\{a(n + 4) - 2 a(n + 3) - 2 a(n + 2) + a(n + 1), a(0) = 7, a(1) = 96, a(2) = 216,$

$a(3) = 600\}$

Sequence: A222834
Score: 4.91302
Type of gen. func.: ogf

$-(1091 f(x) + 26563)$

$(f(x) x^3 - 2 f(x) x^2 + 17 x^3 - 2 f(x) x - 10 x^2 + f(x) - 82 x - 7)$

Sequence: A222834
Score: 9.07546
Type of gen. func.: ogf

$$-\frac{17 x^{3} - 10 x^{2} - 82 x - 7}{(x + 1) (x^{2} - 3 x + 1)}$$

Sequence: A222835
Score: 6.31513
Type of gen. func.: ogf

$$\frac{72 x^{6} + 144 x^{5} - 173 x^{4} - 202 x^{3} + 120 x^{2} - 346 x - 19}{(x^{2} + 1) (x^{2} + 2 x - 1)}$$

Sequence: A222867
Score: 6.10186
Type of gen. func.: ogf

$$\frac{(x + 1) (11 x^{4} - 37 x^{3} + 32 x^{2} - 10 x + 1)}{(x - 1) (3 x - 1) (-1 + 2 x) (5 x - 1)}$$

Sequence: A222868
Score: 3.70270
Type of gen. func.: ogf

$$\{a(n + 5) - 21 a(n + 4) + 84 a(n + 3) - 64 a(n + 2), a(0) = 2, a(1) = 7,$$
$$a(2) = 34, a(3) = 370, a(4) = 5314\}$$

Sequence: A222868
Score: 3.72706
Type of gen. func.: ogf

$$-(6845080 f(x) + 66886621) (64 f(x) x^{3} - 48 x^{4} - 84 f(x) x^{2} + 116 x^{3}$$
$$+ 21 f(x) x + 55 x^{2} - f(x) - 35 x + 2)$$

Sequence: A222868
Score: 6.66486
Type of gen. func.: ogf

$$\frac{48 x^4 - 116 x^3 - 55 x^2 + 35 x - 2}{(x - 1) (4 x - 1) (16 x - 1)}$$

Sequence: A222869
Score: 4.709
Type of gen. func.: ogf

$$-(2581371 f(x) + 11144927) (117 f(x) x^2 - 234 x^3 - 42 f(x) x + 261 x^2 + f(x) + 92 x - 3)$$

Sequence: A222869
Score: 4.78495
Type of gen. func.: ogf

$$\{a(n + 4) - 42 a(n + 3) + 117 a(n + 2), a(0) = 3, a(1) = 34, a(2) = 816, a(3) = 30528\}$$

Sequence: A222869
Score: 8.59904
Type of gen. func.: ogf

$$\frac{234 x^3 - 261 x^2 - 92 x + 3}{(39 x - 1) (3 x - 1)}$$

Sequence: A222890
Score: 4.27248
Type of gen. func.: ogf

$$\frac{(x + 1) (309 x^6 - 1157 x^5 + 1314 x^4 - 669 x^3 + 170 x^2 - 21 x + 1)}{(x - 1) (4 x - 1) (3 x - 1) (-1 + 2 x) (7 x - 1) (5 x - 1)}$$

Sequence: A222891
Score: 3.91992
Type of gen. func.: ogf

$$\frac{15264 x^{6} - 41380 x^{5} - 13129 x^{4} + 13680 x^{3} - 2278 x^{2} + 125 x - 2}{(x - 1) (4 x - 1) (36 x - 1) (9 x - 1) (16 x - 1)}$$

Sequence: A222892
Score: 3.45970
Type of gen. func.: ogf

$$\frac{558558 x^{5} - 495045 x^{4} - 138229 x^{3} + 21972 x^{2} - 599 x + 3}{(3 x - 1) (39 x - 1) (155 x - 1) (14 x - 1)}$$

Sequence: A222919
Score: 4.82773
Type of gen. func.: ogf

$$\frac{(x + 1) (3 x^{6} + 9 x^{5} - 15 x^{3} - 3 x^{2} + 6 x - 1)}{(2 x^{2} + 2 x - 1) (x^{2} + x - 1) (4 x^{2} + 4 x - 1)}$$

Sequence: A222939
Score: 4.61936
Type of gen. func.: ogf

$\{a(n + 5) - 7 a(n + 4) + 14 a(n + 3) - 8 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 3,$

$a(3) = 7, a(4) = 20\}$

Sequence: A222939
Score: 5.03303
Type of gen. func.: ogf

$-(39 f(x) + 79)$

$(8 f(x) x^{3} - 3 x^{4} - 14 f(x) x^{2} + 6 x^{3} + 7 f(x) x + 3 x^{2} - f(x) - 5 x + 1)$

Sequence: A222939
Score: 8.64650
Type of gen. func.: ogf

3   2

$$\frac{(x + 1) (3 x - 9 x + 6 x - 1)}{(x - 1) (-1 + 2 x) (4 x - 1)}$$

Sequence: A222940
Score: 5.25522
Type of gen. func.: ogf

$\{a(n + 4) - 10 a(n + 3) + 9 a(n + 2), a(0) = 2, a(1) = 7, a(2) = 33, a(3) = 273\}$

Sequence: A222940
Score: 5.48776
Type of gen. func.: ogf

$$(95208 f(x) + 440743) (9 f(x) x^2 - 6 x^3 - 10 f(x) x + 19 x^2 + f(x) + 13 x - 2)$$

Sequence: A222940
Score: 9.68931
Type of gen. func.: ogf

$$\frac{6 x^3 - 19 x^2 - 13 x + 2}{(9 x - 1) (x - 1)}$$

Sequence: A222941
Score: 11.4534
Type of gen. func.: ogf

$$\frac{3 (14 x^2 + 3 x - 1)}{14 x - 1}$$

Sequence: A222941
Score: 6.11716
Type of gen. func.: ogf

$\{-a(n + 3) + 14 a(n + 2), a(0) = 3, a(1) = 33, a(2) = 420\}$

Sequence: A222941
Score: 6.90142
Type of gen. func.: ogf

$$(42 f(x) - 5) (14 f(x) x - 42 x^2 - f(x) - 9 x + 3)$$

Sequence: A222941
Score: 7.47653
Type of gen. func.: lgdogf

$$- \frac{196 x^2 - 28 x + 11}{-196 x^3 - 28 x^2 + 17 x - 1}$$

Sequence: A222942
Score: 3.42398
Type of gen. func.: ogf

$$-(14588488128 f(x) + 81531919213) (512 f(x) x^3 - 1536 x^4 - 136 f(x) x^2 + 2824 x^3 - 17 f(x) x - 287 x^2 + f(x) - 154 x - 7)$$

Sequence: A222942
Score: 3.44473
Type of gen. func.: ogf

$$\{a(n + 5) - 17 a(n + 4) - 136 a(n + 3) + 512 a(n + 2), a(0) = 7, a(1) = 273, a(2) = 5880, a(3) = 130680, a(4) = 2883000\}$$

Sequence: A222942
Score: 6.17805
Type of gen. func.: ogf

$$\frac{1536 x^4 - 2824 x^3 + 287 x^2 + 154 x + 7}{(8 x + 1) (64 x^2 - 25 x + 1)}$$

Sequence: A222945
Score: 10.2592
Type of gen. func.: lgdogf

$$-\frac{-2 x^{3} + 6 x^{2} - 3 x + 7}{2 x^{4} - 6 x^{3} + 9 x^{2} - 4 x - 1}$$

Sequence: A222945
Score: 13.4547
Type of gen. func.: ogf

$$\frac{2 x^{3} - 4 x^{2} + 5 x + 1}{(x - 1)^{2}}$$

Sequence: A222945
Score: 7.13686
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) + a(n + 2), a(0) = 1, a(1) = 7, a(2) = 9, a(3) = 13\}$$

Sequence: A222945
Score: 7.89173
Type of gen. func.: ogf

$$(24 f(x) + 481) (f(x) x^{2} - 2 x^{3} - 2 f(x) x + 4 x^{2} + f(x) - 5 x - 1)$$

Sequence: A222947
Score: 8.08610
Type of gen. func.: ogf

$$\frac{2 x^{7} - 2 x^{6} + 2 x^{5} + 2 x^{4} - 4 x^{3} + x^{2} + 6 x + 1}{(x + 1) (x - 1)^{2}}$$

Sequence: A222964
Score: 11.0268
Type of gen. func.: ogf

$$-\frac{x\,(13\,x^{2}+24\,x+13)}{(x+1)^{2}\,(x-1)^{3}}$$

Sequence: A222964
Score: 11.2958
Type of gen. func.: lgdogf

$$-\frac{-39\,x^{3}-109\,x^{2}-115\,x-37}{-13\,x^{4}-24\,x^{3}+24\,x+13}$$

Sequence: A222993
Score: 3.25556
Type of gen. func.: ogf

$$\{(-6\,n-42)\,a(n+1)+(11\,n+68)\,a(n+2)+(-6\,n-33)\,a(n+3)$$
$$+(n+5)\,a(n+4),\ a(0)=9,\ a(1)=50,\ a(2)=222,\ a(3)=867\}$$

Sequence: A222993
Score: 6.60782
Type of gen. func.: ogf

$$-\frac{12\,x^{4}-40\,x^{3}+51\,x^{2}-31\,x+9}{(3\,x-1)\,(-1+2\,x)^{2}\,(x-1)^{2}}$$

Sequence: A223028
Score: 7.56697
Type of gen. func.: ogf

$$-\frac{2\,x\,(x+1)\,(2\,x^{2}-x+3)}{(-1+2\,x)\,(2\,x^{2}-1)^{2}}$$

Sequence: A223034

Score: 2.55775
Type of gen. func.: egf]

$$(f(x) x - f(x) + 1)^{2}$$

Sequence: A223056
Score: 2.86505
Type of gen. func.: ogf

$$-(44704114769 + 10230127690 f(x)) (48 f(x) x^{4} - 102 f(x) x^{3} - 16 x^{4} + 71 f(x) x^{2} + 73 x^{3} - 18 f(x) x - 76 x^{2} + f(x) + 26 x - 2)$$

Sequence: A223056
Score: 5.42530
Type of gen. func.: ogf

$$\frac{16 x^{4} - 73 x^{3} + 76 x^{2} - 26 x + 2}{(-1 + 2 x) (x - 1) (24 x^{2} - 15 x + 1)}$$

Sequence: A223057
Score: 3.78385
Type of gen. func.: ogf

$$\frac{336 x^{6} - 2238 x^{5} + 295 x^{4} + 2081 x^{3} - 1170 x^{2} + 161 x - 5}{(-1 + 2 x) (x - 1) (504 x^{4} + 162 x^{3} - 357 x^{2} + 52 x - 1)}$$

Sequence: A223069
Score: 3.86866
Type of gen. func.: ogf

$$- \frac{144 x^{6} - 564 x^{5} + 904 x^{4} - 769 x^{3} + 376 x^{2} - 106 x + 16}{(4 x - 1) (-1 + 2 x)^{2} (3 x - 1)^{2} (x - 1)^{2}}$$

Sequence: A223081
Score: 6.82479
Type of gen. func.: ogf_with_Euler_transform]

$$[2]$$

Sequence: A223082
Score: 7.44802
Type of gen. func.: ogf

$$(f(x) - 9) (-x^4 - 2 x^3 + f(x) - 9)$$

Sequence: A223082
Score: 7.66622
Type of gen. func.: lgdegf]

$$- \frac{4 x^3 + 24 x^2}{-x^4 - 8 x^3 - 216}$$

Sequence: A223133
Score: 8.86541
Type of gen. func.: ogf

$$\frac{x^7 - x^6 + x^5 + x^4 - 2 x^3 + 3 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A223134
Score: 10.3578
Type of gen. func.: lgdogf

$$- \frac{x^3 - 3 x^2 + 2 x - 4}{-x^4 + 3 x^3 - 4 x^2 + x + 1}$$

Sequence: A223134
Score: 13.5840
Type of gen. func.: ogf

$$\frac{x^3 - 2 x^2 + 2 x + 1}{(x - 1)^2}$$

Sequence: A223134
Score: 7.26865
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) + a(n + 2), a(0) = 1, a(1) = 4, a(2) = 5, a(3) = 7\}$$

Sequence: A223134
Score: 8.12379
Type of gen. func.: ogf

$$(8 f(x) + 85) (f(x) x^2 - x^3 - 2 f(x) x + 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A223173
Score: 12.4811
Type of gen. func.: ogf

$$- \frac{6 x - 1}{(3 x - 1) (-1 + 2 x) (4 x - 1)}$$

Sequence: A223173
Score: 6.02157
Type of gen. func.: ogf

$$\{-a(n + 3) + 9 a(n + 2) - 26 a(n + 1) + 24 a(n), a(0) = -1, a(1) = -3, a(2) = -1\}$$

Sequence: A223173
Score: 6.02158
Type of gen. func.: ogf

$$-(1597 f(x) - 936) (24 f(x) x^3 - 26 f(x) x^2 + 9 f(x) x - f(x) + 6 x - 1)$$

Sequence: A223173
Score: 7.54351
Type of gen. func.: lgdogf

$$-\frac{288 x^3 - 228 x^2 + 52 x - 3}{144 x^4 - 180 x^3 + 80 x^2 - 15 x + 1}$$

Sequence: A223181
Score: 10.3246
Type of gen. func.: ogf

$$\frac{5 (4 x^2 - 14 x + 5)}{4 x^2 - 6 x + 1}$$

Sequence: A223181
Score: 5.45449
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 4 a(n + 1), a(0) = 25, a(1) = 80, a(2) = 400\}$$

Sequence: A223181
Score: 5.61336
Type of gen. func.: ogf

$$-(21 f(x) - 205) (4 f(x) x^2 - 6 f(x) x - 20 x^2 + f(x) + 70 x - 25)$$

Sequence: A223181
Score: 7.22720
Type of gen. func.: lgdogf

$$-\frac{32 x^2 - 32 x + 16}{-16 x^4 + 80 x^3 - 108 x^2 + 44 x - 5}$$

Sequence: A223182

Score: 5.12823
Type of gen. func.: ogf

$$\frac{5 (36 x^5 - 280 x^4 + 548 x^3 - 401 x^2 + 186 x - 25)}{(x - 1) (4 x^4 - 20 x^3 + 16 x^2 - 9 x + 1)}$$

Sequence: A223197
Score: 11.2655
Type of gen. func.: ogf

$$- \frac{16 (4 x - 1)}{128 x^2 - 40 x + 1}$$

Sequence: A223197
Score: 5.63274
Type of gen. func.: ogf

$$-(1519 f(x) + 1940) (128 f(x) x^2 - 40 f(x) x + f(x) + 64 x - 16)$$

Sequence: A223197
Score: 6.40084
Type of gen. func.: ogf

$$\{a(n + 2) - 40 a(n + 1) + 128 a(n), a(0) = 16, a(1) = 576\}$$

Sequence: A223197
Score: 7.61181
Type of gen. func.: lgdogf

$$- \frac{-512 x^2 + 256 x - 36}{-512 x^3 + 288 x^2 - 44 x + 1}$$

Sequence: A223198
Score: 3.0931
Type of gen. func.: ogf

$$-(173391 f(x) + 1346816)$$

$$(24576 f(x) x^3 - 3840 f(x) x^2 + 144 f(x) x + 16384 x^2 - f(x) - 2304 x + 64)$$

Sequence: A223198
Score: 3.40242
Type of gen. func.: ogf

$$\{-a(n + 3) + 144 a(n + 2) - 3840 a(n + 1) + 24576 a(n), a(0) = 64, a(1) = 6912, a(2) = 765952\}$$

Sequence: A223198
Score: 5.67069
Type of gen. func.: ogf

$$-\frac{64 (256 x^2 - 36 x + 1)}{24576 x^3 - 3840 x^2 + 144 x - 1}$$

Sequence: A223204
Score: 13.7407
Type of gen. func.: ogf

$$-\frac{3 (2 x - 3)}{2 x^2 - 9 x + 1}$$

Sequence: A223204
Score: 6.79486
Type of gen. func.: ogf

$$-(71 f(x) - 14) (2 f(x) x^2 - 9 f(x) x + f(x) + 6 x - 9)$$

Sequence: A223204
Score: 7.44978
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) + 2 a(n), a(0) = 9, a(1) = 75\}$$

Sequence: A223204
Score: 9.09312
Type of gen. func.: lgdogf

$$-\frac{-4 x^2 + 12 x - 25}{-4 x^3 + 24 x^2 - 29 x + 3}$$

Sequence: A223205
Score: 4.0949
Type of gen. func.: ogf

$$(1039705 f(x) + 3205008)$$

$$(32 f(x) x^3 - 54 f(x) x^2 + 19 f(x) x + 96 x^2 - f(x) - 138 x + 27)$$

Sequence: A223205
Score: 4.39948
Type of gen. func.: ogf

$$\{-a(n + 3) + 19 a(n + 2) - 54 a(n + 1) + 32 a(n), a(0) = 27, a(1) = 375, a(2) = 5763\}$$

Sequence: A223205
Score: 7.82849
Type of gen. func.: ogf

$$-\frac{3 (32 x^2 - 46 x + 9)}{32 x^3 - 54 x^2 + 19 x - 1}$$

Sequence: A223211
Score: 10.5117
Type of gen. func.: lgdogf

$$-\frac{-4 x^2 - 8 x - 3}{-4 x^3 - 6 x^2 - x + 1}$$

Sequence: A223211
Score: 14.9499
Type of gen. func.: ogf

$$-\frac{6\ (x + 1)}{4\ x^2 + 2\ x - 1}$$

Sequence: A223211
Score: 7.64483
Type of gen. func.: ogf

$$(68\ f(x) - 165)\ (4\ f(x)\ x^2 + 2\ f(x)\ x - f(x) + 6\ x + 6)$$

Sequence: A223211
Score: 8.10537
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\ a(n + 1) + 4\ a(n),\ a(0) = 6,\ a(1) = 18\}$$

Sequence: A223212
Score: 12.6548
Type of gen. func.: ogf

$$-\frac{18\ (x + 1)}{9\ x^2 + 6\ x - 1}$$

Sequence: A223212
Score: 6.39545
Type of gen. func.: ogf

$$-(10\ f(x) - 33)\ (9\ f(x)\ x^2 + 6\ f(x)\ x - f(x) + 18\ x + 18)$$

Sequence: A223212
Score: 6.99738
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) + 9 a(n), a(0) = 18, a(1) = 126\}$$

Sequence: A223212
Score: 9.01177
Type of gen. func.: lgdogf

$$-\frac{-9 x^2 - 18 x - 7}{-9 x^3 - 15 x^2 - 5 x + 1}$$

Sequence: A223228
Score: 11.1638
Type of gen. func.: ogf

$$-\frac{5 (18 x - 5)}{90 x^2 - 35 x + 1}$$

Sequence: A223228
Score: 5.5819
Type of gen. func.: ogf

$$-(919 f(x) + 1674) (90 f(x) x^2 - 35 f(x) x + f(x) + 90 x - 25)$$

Sequence: A223228
Score: 6.28766
Type of gen. func.: ogf

$$\{a(n + 2) - 35 a(n + 1) + 90 a(n), a(0) = 25, a(1) = 785\}$$

Sequence: A223228
Score: 6.92438
Type of gen. func.: lgdogf

$$-\frac{-1620 x^2 + 900 x - 157}{-1620 x^3 + 1080 x^2 - 193 x + 5}$$

```
------------------------------------------------------------------------------

Sequence:  A223229
Score: 3.37866
Type of gen. func.: ogf


(82227190586 f(x) + 391138374861)

               3              2                      2
    (351 f(x) x  - 423 f(x) x  + 73 f(x) x + 1755 x  - f(x) - 1680 x + 125)



------------------------------------------------------------------------------

Sequence:  A223229
Score: 3.85752
Type of gen. func.: ogf


{-a(n + 3) + 73 a(n + 2) - 423 a(n + 1) + 351 a(n), a(0) = 125, a(1) = 7445,

    a(2) = 492365}



------------------------------------------------------------------------------

Sequence:  A223229
Score: 6.62034
Type of gen. func.: ogf


                                     2
                             5 (351 x  - 336 x + 25)
                         - ---------------------------
                                         2
                           (x - 1) (351 x  - 72 x + 1)



------------------------------------------------------------------------------

Sequence:  A223234
Score: 5.21347
Type of gen. func.: ogf


    {-a(n + 3) + 7 a(n + 2) + 30 a(n + 1), a(0) = 12, a(1) = 65, a(2) = 785}



------------------------------------------------------------------------------

Sequence:  A223234
Score: 5.26266
Type of gen. func.: ogf


                                  2                  2
     -(223 f(x) - 1831) (30 f(x) x  + 7 f(x) x - 30 x  - f(x) - 19 x + 12)



------------------------------------------------------------------------------

Sequence:  A223234
Score: 6.48652
Type of gen. func.: lgdogf
```

$$-\frac{-360 x^2 + 660 x + 65}{-900 x^4 - 780 x^3 + 257 x^2 + 103 x - 12}$$

Sequence: A223234
Score: 9.78668
Type of gen. func.: ogf

$$\frac{30 x^2 + 19 x - 12}{(3 x + 1) (10 x - 1)}$$

Sequence: A223235
Score: 4.83939
Type of gen. func.: ogf

$$\frac{28620 x^4 - 30768 x^3 + 4817 x^2 + 1747 x - 144}{540 x^4 - 552 x^3 + 103 x^2 + 18 x - 1}$$

Sequence: A223240
Score: 14.2750
Type of gen. func.: ogf

$$-\frac{11 x + 7}{(2 x + 1) (3 x - 1)}$$

Sequence: A223240
Score: 7.21594
Type of gen. func.: ogf

$$(539 f(x) - 2315) (6 f(x) x^2 + f(x) x - f(x) + 11 x + 7)$$

Sequence: A223240
Score: 7.91147
Type of gen. func.: ogf

$\{-a(n+2) + a(n+1) + 6\,a(n),\ a(0) = 7,\ a(1) = 18\}$

Sequence: A223240
Score: 9.51670
Type of gen. func.: lgdogf

$$-\frac{-66\,x^2 - 84\,x - 18}{-66\,x^3 - 53\,x^2 + 4\,x + 7}$$

Sequence: A223241
Score: 12.0910
Type of gen. func.: ogf

$$-\frac{6\,(4\,x - 3)}{4\,x^2 - 7\,x + 1}$$

Sequence: A223241
Score: 6.1105
Type of gen. func.: ogf

$$-(95\,f(x) + 24)\,(4\,f(x)\,x^2 - 7\,f(x)\,x + f(x) + 24\,x - 18)$$

Sequence: A223241
Score: 6.68561
Type of gen. func.: ogf

$\{a(n+2) - 7\,a(n+1) + 4\,a(n),\ a(0) = 18,\ a(1) = 102\}$

Sequence: A223241
Score: 8.11824
Type of gen. func.: lgdogf

$$-\frac{-16\,x^2 + 24\,x - 17}{-16\,x^3 + 40\,x^2 - 25\,x + 3}$$

Sequence: A223242
Score: 4.82728
Type of gen. func.: ogf

$$- \frac{6 (310 x^4 - 166 x^3 - 601 x^2 + 87 x + 10)}{180 x^5 - 286 x^4 - 430 x^3 + 231 x^2 + 2 x - 1}$$

Sequence: A223249
Score: 12.9061
Type of gen. func.: ogf

$$- \frac{4 (2 x - 3)}{2 x^2 - 5 x + 1}$$

Sequence: A223249
Score: 6.45306
Type of gen. func.: ogf

$$-(53 f(x) + 40) (2 f(x) x^2 - 5 f(x) x + f(x) + 8 x - 12)$$

Sequence: A223249
Score: 7.06763
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 2 a(n), a(0) = 12, a(1) = 52\}$$

Sequence: A223249
Score: 8.73060
Type of gen. func.: lgdogf

$$- \frac{-4 x^2 + 12 x - 13}{-4 x^3 + 16 x^2 - 17 x + 3}$$

Sequence: A223250
Score: 5.40256

Type of gen. func.: ogf

$$-\frac{4\,(78 x^4 - 46 x^3 - 175 x^2 + 43 x + 8)}{48 x^5 - 70 x^4 - 126 x^3 + 75 x^2 + 2 x - 1}$$

Sequence: A223251
Score: 3.44661
Type of gen. func.: ogf

$$\frac{4\,(24 x^6 - 1036 x^5 + 760 x^4 + 1158 x^3 - 363 x^2 - 131 x + 20)}{460 x^6 - 476 x^5 - 436 x^4 + 299 x^3 + 28 x^2 - 20 x + 1}$$

Sequence: A223258
Score: 10.9915
Type of gen. func.: ogf

$$-\frac{5\,(21 x - 5)}{129 x^2 - 38 x + 1}$$

Sequence: A223258
Score: 5.49575
Type of gen. func.: ogf

$$-(5132 f(x) + 14505)\,(129 f(x) x^2 - 38 f(x) x + f(x) + 105 x - 25)$$

Sequence: A223258
Score: 6.37007
Type of gen. func.: ogf

{a(n + 2) - 38 a(n + 1) + 129 a(n), a(0) = 25, a(1) = 845}

Sequence: A223258
Score: 7.00708
Type of gen. func.: lgdogf

2

$$-\frac{-2709 x + 1290 x - 169}{-2709 x^{3} + 1443 x^{2} - 211 x + 5}$$

Sequence: A223265
Score: 4.20712
Type of gen. func.: ogf

$$-(325 f(x) - 64) (1024 f(x) x^{2} - 112 f(x) x + f(x) + 1024 x - 64)$$

Sequence: A223265
Score: 4.66945
Type of gen. func.: ogf

$$\{a(n + 2) - 112 a(n + 1) + 1024 a(n), a(0) = 64, a(1) = 6144\}$$

Sequence: A223265
Score: 7.86889
Type of gen. func.: ogf

$$-\frac{64 (16 x - 1)}{1024 x^{2} - 112 x + 1}$$

Sequence: A223270
Score: 10.2562
Type of gen. func.: lgdogf

$$-\frac{-64 x - 8}{-32 x^{2} - 8 x + 1}$$

Sequence: A223270
Score: 15.0827
Type of gen. func.: ogf

$$-\frac{6}{32 x^{2} + 8 x - 1}$$

```
------------------------------------------------------------------------------

Sequence:  A223270
Score: 6.10489
Type of gen. func.: ogf


            {-a(n + 2) + 8 a(n + 1) + 32 a(n), a(0) = 6, a(1) = 48}



------------------------------------------------------------------------------

Sequence:  A223270
Score: 6.1049
Type of gen. func.: ogf

                                        2
               (11 f(x) - 42) (32 f(x) x  + 8 f(x) x - f(x) + 6)



------------------------------------------------------------------------------

Sequence:  A223271
Score: 3.64684
Type of gen. func.: ogf


{-a(n + 4) + 24 a(n + 3) + 256 a(n + 2) - 1024 a(n + 1), a(0) = 36, a(1) = 576,

    a(2) = 20992, a(3) = 622592}



------------------------------------------------------------------------------

Sequence:  A223271
Score: 3.67132
Type of gen. func.: ogf

                                     3              2         3
-(580327 f(x) - 4285244) (1024 f(x) x  - 256 f(x) x  - 8192 x  - 24 f(x) x

             2
     + 2048 x  + f(x) + 288 x - 36)



------------------------------------------------------------------------------

Sequence:  A223271
Score: 6.51221
Type of gen. func.: ogf

                                 3        2
                        4 (2048 x  - 512 x  - 72 x + 9)
                        -------------------------------
                                3        2
                          1024 x  - 256 x  - 24 x + 1



------------------------------------------------------------------------------

Sequence:  A223277
Score: 11.5615
```

Type of gen. func.: ogf

$$-\frac{3\,(4x-3)}{12x^2-11x+1}$$

Sequence: A223277
Score: 5.78074
Type of gen. func.: ogf

$$-(247 f(x) + 300)\,(12 f(x) x^2 - 11 f(x) x + f(x) + 12 x - 9)$$

Sequence: A223277
Score: 6.52884
Type of gen. func.: ogf

$$\{a(n+2) - 11\,a(n+1) + 12\,a(n),\ a(0) = 9,\ a(1) = 87\}$$

Sequence: A223277
Score: 7.92787
Type of gen. func.: lgdogf

$$-\frac{-48x^2+72x-29}{-48x^3+80x^2-37x+3}$$

Sequence: A223278
Score: 10.4249
Type of gen. func.: ogf

$$-\frac{27\,(4x-1)}{36x^2-17x+1}$$

Sequence: A223278
Score: 5.31884
Type of gen. func.: ogf

$$-(149 f(x) + 540)\,(36 f(x) x^2 - 17 f(x) x + f(x) + 108 x - 27)$$

Sequence: A223278
Score: 5.99134
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1) + 36 a(n), a(0) = 27, a(1) = 351\}$$

Sequence: A223278
Score: 7.14037
Type of gen. func.: lgdogf

$$-\frac{-144 x^2 + 72 x - 13}{-144 x^3 + 104 x^2 - 21 x + 1}$$

Sequence: A223279
Score: 3.87137
Type of gen. func.: ogf

$$-\frac{3 (64 x^2 - 68 x + 9) (56 x^3 - 76 x^2 - 54 x + 3)}{1536 x^6 - 4064 x^5 + 1704 x^4 + 1268 x^3 - 518 x^2 + 45 x - 1}$$

Sequence: A223283
Score: 10.9842
Type of gen. func.: ogf

$$\frac{78 x^2 + 45 x - 20}{6 x^2 + 3 x - 1}$$

Sequence: A223283
Score: 5.85826
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + 6 a(n + 1), a(0) = 20, a(1) = 15, a(2) = 87\}$$

Sequence: A223283
Score: 5.91459
Type of gen. func.: ogf

$$(6937 f(x) - 133115) (6 f(x) x^2 + 3 f(x) x - 78 x^2 - f(x) - 45 x + 20)$$

Sequence: A223283
Score: 7.41105
Type of gen. func.: lgdogf

$$-\frac{-36 x^2 + 84 x + 15}{-468 x^4 - 504 x^3 + 63 x^2 + 105 x - 20}$$

Sequence: A223284
Score: 3.88042
Type of gen. func.: ogf

$$-(-1713940213 + 4572109 f(x)) (24 f(x) x^3 - 18 f(x) x^2 - 9000 x^3 - 5 f(x) x + 6726 x^2 + f(x) + 1925 x - 400)$$

Sequence: A223284
Score: 4.12637
Type of gen. func.: ogf

$$\{a(n + 4) - 5 a(n + 3) - 18 a(n + 2) + 24 a(n + 1), a(0) = 400, a(1) = 75, a(2) = 849, a(3) = 4995\}$$

Sequence: A223284
Score: 7.14566
Type of gen. func.: ogf

$$\frac{9000 x^3 - 6726 x^2 - 1925 x + 400}{24 x^3 - 18 x^2 - 5 x + 1}$$

Sequence: A223285
Score: 3.18589
Type of gen. func.: ogf

$$(9097344 x^6 + 1517376 x^5 - 7280536 x^4 - 444304 x^3 + 729580 x^2 + 39625 x - 8000) / (1152 x^6 + 192 x^5 - 920 x^4 - 56 x^3 + 92 x^2 + 5 x - 1)$$

Sequence: A223290
Score: 14.2321
Type of gen. func.: ogf

$$-\frac{3 (5 x + 3)}{8 x^2 + x - 1}$$

Sequence: A223290
Score: 7.52505
Type of gen. func.: ogf

$$(3 f(x) - 19) (8 f(x) x^2 + f(x) x - f(x) + 15 x + 9)$$

Sequence: A223290
Score: 7.88769
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 8 a(n), a(0) = 9, a(1) = 24\}$$

Sequence: A223290
Score: 9.62762
Type of gen. func.: lgdogf

$$-\frac{-40 x^2 - 48 x - 8}{-40 x^3 - 29 x^2 + 2 x + 3}$$

Sequence: A223291
Score: 13.3440
Type of gen. func.: ogf

$$-\frac{24(-1+2x)}{6x^2-9x+1}$$

Sequence: A223291
Score: 6.53297
Type of gen. func.: ogf

$$-(985 f(x) - 4432)(6 f(x) x^2 - 9 f(x) x + f(x) + 48 x - 24)$$

Sequence: A223291
Score: 7.37842
Type of gen. func.: ogf

$$\{a(n+2) - 9 a(n+1) + 6 a(n), a(0) = 24, a(1) = 168\}$$

Sequence: A223291
Score: 9.08936
Type of gen. func.: lgdogf

$$-\frac{-12x^2+12x-7}{-12x^3+24x^2-11x+1}$$

Sequence: A223292
Score: 4.57567
Type of gen. func.: ogf

$$-\frac{24(266x^4-138x^3-481x^2+49x+4)}{448x^5-750x^4-1022x^3+531x^2+2x-1}$$

Sequence: A223299
Score: 10.9859
Type of gen. func.: ogf

$$36(-1+2x)$$
$$- \text{----------------}$$

$$12 x^2 - 11 x + 1$$

Sequence: A223299
Score: 5.54959
Type of gen. func.: ogf

$$-(733 f(x) - 144) (12 f(x) x^2 - 11 f(x) x + f(x) + 72 x - 36)$$

Sequence: A223299
Score: 6.18747
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 12 a(n), a(0) = 36, a(1) = 324\}$$

Sequence: A223299
Score: 7.80159
Type of gen. func.: lgdogf

$$-\frac{-24 x^2 + 24 x - 9}{-24 x^3 + 34 x^2 - 13 x + 1}$$

Sequence: A223318
Score: 4.01699
Type of gen. func.: ogf

$$-(30803239 f(x) + 1141243650)$$

$$(15210 f(x) x^2 - 479 f(x) x + f(x) + 24750 x - 625)$$

Sequence: A223318
Score: 4.94724
Type of gen. func.: ogf

$$\{a(n + 2) - 479 a(n + 1) + 15210 a(n), a(0) = 625, a(1) = 274625\}$$

Sequence: A223318

Score: 8.24540
Type of gen. func.: ogf

$$-\frac{125\,(198\,x-5)}{15210\,x^{2}-479\,x+1}$$

Sequence: A223322
Score: 10.2817
Type of gen. func.: ogf

$$-13\,f(x)\,x+f(x)+31\,x-12$$

Sequence: A223322
Score: 11.4772
Type of gen. func.: lgdogf

$$-\frac{125}{-403\,x^{2}+187\,x-12}$$

Sequence: A223322
Score: 12.3380
Type of gen. func.: ogf

$$\frac{-12+31\,x}{13\,x-1}$$

Sequence: A223322
Score: 6.49370
Type of gen. func.: ogf

$$\{a(n+2)-13\,a(n+1),\ a(0)=12,\ a(1)=125\}$$

Sequence: A223323
Score: 4.41840
Type of gen. func.: ogf

$$\{-a(n+4)+38\,a(n+3)-129\,a(n+2),\ a(0)=144,\ a(1)=3125,\ a(2)=105625,\ a(3)=3570125\}$$

```
------------------------------------------------------------------------------

Sequence:  A223323
Score: 4.81678
Type of gen. func.: ogf


-(f(x) - 144)

               2          3                      2
    (129 f(x) x  + 40500 x  - 38 f(x) x - 5451 x  + f(x) + 2347 x - 144)



------------------------------------------------------------------------------

Sequence:  A223323
Score: 7.73220
Type of gen. func.: ogf


                               3         2
                        40500 x  - 5451 x  + 2347 x - 144
                      - ---------------------------------
                                     2
                                129 x  - 38 x + 1



------------------------------------------------------------------------------

Sequence:  A223328
Score: 4.2431
Type of gen. func.: ogf


                                        2
     -(209065 f(x) + 360138) (294 f(x) x  - 117 f(x) x + f(x) + 216 x - 81)



------------------------------------------------------------------------------

Sequence:  A223328
Score: 4.99743
Type of gen. func.: ogf


          {a(n + 2) - 117 a(n + 1) + 294 a(n), a(0) = 81, a(1) = 9261}



------------------------------------------------------------------------------

Sequence:  A223328
Score: 8.64940
Type of gen. func.: ogf


                                   27 (8 x - 3)
                              - ------------------
                                     2
                                294 x  - 117 x + 1



------------------------------------------------------------------------------

Sequence:  A223329
```

Score: 3.22725
Type of gen. func.: ogf

$$\{a(n + 3) - 282 a(n + 2) + 3969 a(n + 1) - 9604 a(n), a(0) = 243, a(1) = 64827, a(2) = 17324685\}$$

Sequence: A223329
Score: 5.57434
Type of gen. func.: ogf

$$- \frac{27 (294 x^2 - 137 x + 9)}{9604 x^3 - 3969 x^2 + 282 x - 1}$$

Sequence: A223332
Score: 4.22490
Type of gen. func.: ogf

$$\{-a(n + 4) + 18 a(n + 3) - 27 a(n + 2), a(0) = 64, a(1) = 243, a(2) = 3969, a(3) = 64827\}$$

Sequence: A223332
Score: 4.62902
Type of gen. func.: ogf

$$-(f(x) - 64) (27 f(x) x^2 + 54 x^3 - 18 f(x) x - 1323 x^2 + f(x) + 909 x - 64)$$

Sequence: A223332
Score: 7.60481
Type of gen. func.: ogf

$$- \frac{54 x^3 - 1323 x^2 + 909 x - 64}{27 x^2 - 18 x + 1}$$

Sequence: A223333
Score: 3.63814
Type of gen. func.: ogf

$$\frac{121716 x^6 - 112104 x^5 + 375051 x^4 - 489823 x^3 + 184197 x^2 - 22389 x + 512}{(3 x - 1) (263 x^3 - 267 x^2 + 45 x - 1)}$$

Sequence: A223337
Score: 10.0624
Type of gen. func.: ogf

$$- \frac{3 (12 x^2 - 5)}{8 x^3 - 4 x^2 - 4 x + 1}$$

Sequence: A223337
Score: 5.11794
Type of gen. func.: ogf

{a(n + 3) - 4 a(n + 2) - 4 a(n + 1) + 8 a(n), a(0) = 15, a(1) = 60, a(2) = 264}

Sequence: A223337
Score: 5.11795
Type of gen. func.: ogf

$$-(91 f(x) - 519) (8 f(x) x^3 - 4 f(x) x^2 - 4 f(x) x + 36 x^2 + f(x) - 15)$$

Sequence: A223337
Score: 6.12042
Type of gen. func.: lgdogf

$$- \frac{-96 x^4 + 72 x^2 - 16 x - 20}{-96 x^5 + 48 x^4 + 88 x^3 - 32 x^2 - 20 x + 5}$$

Sequence: A223338
Score: 4.11343
Type of gen. func.: ogf

$$12 (2 x^5 - 41 x^4 - 5 x^3 + 50 x^2 + 14 x - 5)$$

$$-\frac{}{3 x^{6} - 79 x^{5} + 7 x^{4} + 94 x^{3} + 11 x^{2} - 13 x + 1}$$

Sequence: A223346
Score: 14.1427
Type of gen. func.: ogf

$$\frac{2 (x^{2} - 6 x - 3)}{5 x^{2} - 1}$$

Sequence: A223346
Score: 8.22248
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 1), a(0) = 6, a(1) = 12, a(2) = 28\}$$

Sequence: A223346
Score: 8.73003
Type of gen. func.: ogf

$$(329 f(x) - 1164) (5 f(x) x^{2} - 2 x^{2} - f(x) + 12 x + 6)$$

Sequence: A223346
Score: 9.30438
Type of gen. func.: lgdogf

$$-\frac{30 x^{2} + 28 x + 6}{-5 x^{4} + 30 x^{3} + 16 x^{2} - 6 x - 3}$$

Sequence: A223347
Score: 5.78074
Type of gen. func.: ogf

$$-\frac{4 (64 x^{5} + 40 x^{4} - 160 x^{3} - 67 x^{2} + 59 x + 7)}{64 x^{6} - 192 x^{4} + 91 x^{2} - 1}$$

Sequence: A223348
Score: 3.98744
Type of gen. func.: ogf

$$-\frac{4\,(4\,x-1)\,(32\,x^4+16\,x^3-52\,x^2-16\,x+15)}{128\,x^6-32\,x^5-208\,x^4+52\,x^3+66\,x^2-23\,x+1}$$

Sequence: A223354
Score: 4.24072
Type of gen. func.: ogf

$$-(1519\,f(x)+31040)\,(18432\,f(x)\,x^2-480\,f(x)\,x+f(x)+12288\,x-256)$$

Sequence: A223354
Score: 4.82104
Type of gen. func.: ogf

$$\{a(n+2)-480\,a(n+1)+18432\,a(n),\ a(0)=256,\ a(1)=110592\}$$

Sequence: A223354
Score: 8.03507
Type of gen. func.: ogf

$$-\frac{256\,(48\,x-1)}{18432\,x^2-480\,x+1}$$

Sequence: A223358
Score: 4.38250
Type of gen. func.: ogf

$$\{-a(n+4)+40\,a(n+3)-128\,a(n+2),\ a(0)=36,\ a(1)=1024,\ a(2)=36864,$$
$$a(3)=1327104\}$$

Sequence: A223358

Score: 4.86531
Type of gen. func.: ogf

$$-(f(x) - 36) (128 f(x) x^{2} + 16384 x^{3} - 40 f(x) x - 512 x^{2} + f(x) + 416 x - 36)$$

Sequence: A223358
Score: 7.86448
Type of gen. func.: ogf

$$-\frac{4 (4096 x^{3} - 128 x^{2} + 104 x - 9)}{128 x^{2} - 40 x + 1}$$

Sequence: A223359
Score: 3.13613
Type of gen. func.: ogf

$$- 8 (3623878656 x^{6} - 377487360 x^{5} + 6291456 x^{4} - 761856 x^{3} + 29952 x^{2} - 1840 x + 27) / (24576 x^{3} - 3840 x^{2} + 144 x - 1)$$

Sequence: A223363
Score: 5.17569
Type of gen. func.: ogf

$$-(19 f(x) - 99) (8 f(x) x^{3} + 4 f(x) x^{2} - 6 f(x) x + 36 x^{2} + f(x) + 36 x - 21)$$

Sequence: A223363
Score: 5.35416
Type of gen. func.: ogf

$\{a(n + 3) - 6 a(n + 2) + 4 a(n + 1) + 8 a(n), a(0) = 21, a(1) = 90, a(2) = 420\}$

Sequence: A223363
Score: 9.70441
Type of gen. func.: ogf

^{2}

$$-\frac{3\,(12\,x \;+ 12\,x - 7)}{(-1 + 2\,x)\,(4\,x^2 + 4\,x - 1)}$$

Sequence: A223372
Score: 12.7468
Type of gen. func.: ogf

$$\frac{4\,x^2 - 24\,x - 9}{8\,x^2 - 1}$$

Sequence: A223372
Score: 7.41091
Type of gen. func.: ogf

$$\{-a(n + 3) + 8\,a(n + 1),\ a(0) = 9,\ a(1) = 24,\ a(2) = 68\}$$

Sequence: A223372
Score: 7.67876
Type of gen. func.: ogf

$$(9809\,f(x) - 46809)\,(8\,f(x)\,x^2 - 4\,x^2 - f(x) + 24\,x + 9)$$

Sequence: A223372
Score: 7.77241
Type of gen. func.: lgdogf

$$-\frac{192\,x^2 + 136\,x + 24}{-32\,x^4 + 192\,x^3 + 76\,x^2 - 24\,x - 9}$$

Sequence: A223373
Score: 12.2163
Type of gen. func.: ogf

$$-\frac{24\,(x - 1)}{4\,x^2 - 7\,x + 1}$$

Sequence: A223373
Score: 6.10814
Type of gen. func.: ogf

$$-(325 f(x) - 24) (4 f(x) x^2 - 7 f(x) x + f(x) + 24 x - 24)$$

Sequence: A223373
Score: 6.75489
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) + 4 a(n), a(0) = 24, a(1) = 144\}$$

Sequence: A223373
Score: 8.83332
Type of gen. func.: lgdogf

$$- \frac{-4 x^2 + 8 x - 6}{-4 x^3 + 11 x^2 - 8 x + 1}$$

Sequence: A223374
Score: 4.39557
Type of gen. func.: ogf

$$\frac{4 (144 x^6 - 3168 x^5 - 1290 x^4 + 2200 x^3 + 449 x^2 - 228 x - 17)}{1872 x^6 - 1718 x^4 + 221 x^2 - 1}$$

Sequence: A223381
Score: 10.4851
Type of gen. func.: ogf

$$\frac{(5 x - 2) (x - 1)}{10 x^2 - 8 x + 1}$$

Sequence: A223381
Score: 5.44416
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 10 a(n + 1), a(0) = 2, a(1) = 9, a(2) = 57\}$$

Sequence: A223381
Score: 5.60588
Type of gen. func.: ogf

$$-(-56 + 271 f(x)) (10 f(x) x^2 - 8 f(x) x - 5 x^2 + f(x) + 7 x - 2)$$

Sequence: A223381
Score: 7.16700
Type of gen. func.: lgdogf

$$-\frac{-30 x^2 + 30 x - 9}{50 x^4 - 110 x^3 + 81 x^2 - 23 x + 2}$$

Sequence: A223382
Score: 3.35148
Type of gen. func.: ogf

$$(1378615 + 3145402 f(x)) (44 f(x) x^4 + 34 f(x) x^3 - 22 x^4 - 72 f(x) x^2 + x^3 + 19 f(x) x + 54 x^2 - f(x) - 38 x + 5)$$

Sequence: A223382
Score: 5.97438
Type of gen. func.: ogf

$$\frac{(x - 1) (22 x^3 + 21 x^2 - 33 x + 5)}{44 x^4 + 34 x^3 - 72 x^2 + 19 x - 1}$$

Sequence: A223395
Score: 11.1501

Type of gen. func.: ogf

$$-\frac{8\,(3\,x^2-2)}{(x-1)\,(4\,x^2+2\,x-1)}$$

Sequence: A223395
Score: 5.62271
Type of gen. func.: ogf

$$-(167\,f(x)-852)\,(4\,f(x)\,x^3-2\,f(x)\,x^2-3\,f(x)\,x+24\,x^2+f(x)-16)$$

Sequence: A223395
Score: 5.67117
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) - 2 a(n + 1) + 4 a(n), a(0) = 16, a(1) = 48, a(2) = 152}

Sequence: A223395
Score: 7.15061
Type of gen. func.: lgdogf

$$-\frac{-12\,x^4+15\,x^2-2\,x-6}{-12\,x^5+6\,x^4+17\,x^3-7\,x^2-6\,x+2}$$

Sequence: A223396
Score: 3.83504
Type of gen. func.: ogf

$$(1682705313\,f(x)+1854819824)\,(2\,f(x)\,x^4-9\,f(x)\,x^3-18\,f(x)\,x^2+16\,x^3$$
$$+10\,f(x)\,x-56\,x^2-f(x)-152\,x+48)$$

Sequence: A223396
Score: 7.39615
Type of gen. func.: ogf

$$-\frac{8 (x + 2) (2 x^2 - 11 x + 3)}{2 x^4 - 9 x^3 - 18 x^2 + 10 x - 1}$$

Sequence: A223408
Score: 6.53835
Type of gen. func.: ogf

$$-\frac{2 (8 x^5 + 6 x^4 - 20 x^3 - 12 x^2 + 12 x + 5)}{(x - 1) (x + 1) (2 x^2 + 2 x - 1) (2 x^2 - 2 x - 1)}$$

Sequence: A223409
Score: 5.98285
Type of gen. func.: ogf

$$-\frac{4 (10 x^4 + 32 x^3 - 21 x + 6)}{10 x^5 + 26 x^4 - 10 x^3 - 17 x^2 + 9 x - 1}$$

Sequence: A223417
Score: 13.8769
Type of gen. func.: ogf

$$\frac{2 x^2 - 12 x - 7}{(-1 + 2 x) (2 x + 1)}$$

Sequence: A223417
Score: 8.06797
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 1), a(0) = 7, a(1) = 12, a(2) = 26\}$$

Sequence: A223417
Score: 8.46152
Type of gen. func.: ogf

2   2

$$-(13 f(x) - 55) (4 f(x) x - 2 x - f(x) + 12 x + 7)$$

Sequence: A223417
Score: 8.89545
Type of gen. func.: lgdogf

$$-\frac{48 x^2 + 52 x + 12}{-8 x^4 + 48 x^3 + 30 x^2 - 12 x - 7}$$

Sequence: A223418
Score: 5.43150
Type of gen. func.: ogf

$$-\frac{2 (64 x^5 + 24 x^4 - 224 x^3 - 60 x^2 + 68 x + 13)}{32 x^6 - 120 x^4 + 38 x^2 - 1}$$

Sequence: A223419
Score: 4.34121
Type of gen. func.: ogf

$$-\frac{16 (8 x^5 - 4 x^4 - 26 x^3 + 3 x^2 + 13 x - 3)}{32 x^6 - 32 x^5 - 88 x^4 + 40 x^3 + 36 x^2 - 14 x + 1}$$

Sequence: A223425
Score: 6.23292
Type of gen. func.: ogf

$$\frac{35 x^6 - 252 x^5 - 143 x^4 + 204 x^3 + 90 x^2 - 40 x - 15}{(7 x^3 + 7 x^2 - 1) (7 x^3 - 7 x^2 + 1)}$$

Sequence: A223434
Score: 4.31395
Type of gen. func.: ogf

$-(1499 f(x) - 10352)$

$(16 f(x) x^3 + 11 f(x) x^2 - 8 f(x) x + 144 x^2 + f(x) + 128 x - 48)$

Sequence: A223434
Score: 4.63749
Type of gen. func.: ogf

$\{a(n + 3) - 8 a(n + 2) + 11 a(n + 1) + 16 a(n), a(0) = 48, a(1) = 256,$

$a(2) = 1376\}$

Sequence: A223434
Score: 8.18381
Type of gen. func.: ogf

$$- \frac{16 (9 x^2 + 8 x - 3)}{16 x^3 + 11 x^2 - 8 x + 1}$$

Sequence: A223442
Score: 10.1898
Type of gen. func.: ogf

$$- \frac{(2 x + 3) (12 x^2 - 6 x - 5)}{4 x^4 - 6 x^2 + 1}$$

Sequence: A223442
Score: 6.33419
Type of gen. func.: ogf

$$(2206 f(x) - 8835) (4 f(x) x^4 - 6 f(x) x^2 + 24 x^3 + 24 x^2 + f(x) - 28 x - 15)$$

Sequence: A223443
Score: 11.6897
Type of gen. func.: ogf

$$4 (2 x^2 - 16 x + 7)$$

$$\overline{(4 x - 1) (-1 + 2 x)}$$

Sequence: A223443
Score: 6.00875
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 8 a(n + 1), a(0) = 28, a(1) = 104, a(2) = 408\}$$

Sequence: A223443
Score: 6.42937
Type of gen. func.: ogf

$$-(3 f(x) + 85) (8 f(x) x^2 - 6 f(x) x - 8 x^2 + f(x) + 64 x - 28)$$

Sequence: A223443
Score: 7.74622
Type of gen. func.: lgdogf

$$- \frac{-116 x^2 + 108 x - 26}{16 x^4 - 140 x^3 + 154 x^2 - 58 x + 7}$$

Sequence: A223468
Score: 7.27771
Type of gen. func.: ogf

$$- \frac{4 x^4 + 6 x^3 + 2 x^2 + 4 x + 1}{(-1 + 2 x) (2 x^2 - 1)^2}$$

Sequence: A223477
Score: 10.3493
Type of gen. func.: ogf

$$- \frac{27 (28 x - 3)}{300 x^2 - 51 x + 1}$$

```
------------------------------------------------------------------------------

Sequence:  A223477
Score: 5.12438
Type of gen. func.: ogf


                                       2
      -(13487 f(x) + 79428) (300 f(x) x  - 51 f(x) x + f(x) + 756 x - 81)



------------------------------------------------------------------------------

Sequence:  A223477
Score: 5.93047
Type of gen. func.: ogf


          {a(n + 2) - 51 a(n + 1) + 300 a(n), a(0) = 81, a(1) = 3375}



------------------------------------------------------------------------------

Sequence:  A223477
Score: 6.59765
Type of gen. func.: lgdogf


                                    2
                             -8400 x  + 1800 x - 125
                        - ------------------------------
                                 3         2
                          -8400 x  + 2328 x  - 181 x + 3



------------------------------------------------------------------------------

Sequence:  A223478
Score: 2.97848
Type of gen. func.: ogf


-(915811 f(x) + 257693724) (

                3              2                        2
    10000 f(x) x  - 1900 f(x) x  + 101 f(x) x + 54000 x  - f(x) - 7668 x + 243)



------------------------------------------------------------------------------

Sequence:  A223478
Score: 3.26962
Type of gen. func.: ogf


{a(n + 3) - 101 a(n + 2) + 1900 a(n + 1) - 10000 a(n), a(0) = 243, a(1) = 16875,

    a(2) = 1296675}



------------------------------------------------------------------------------

Sequence:  A223478
Score: 5.50454
Type of gen. func.: ogf
```

$$-\frac{27\,(2000\,x^2-284\,x+9)}{10000\,x^3-1900\,x^2+101\,x-1}$$

Sequence: A223481
Score: 4.62459
Type of gen. func.: ogf

{-a(n + 4) + 9 a(n + 3) - 2 a(n + 2), a(0) = 400, a(1) = 243, a(2) = 2025,

a(3) = 16875}

Sequence: A223481
Score: 4.9834
Type of gen. func.: ogf

$$-(f(x)-400)\,(2\,f(x)\,x^2+864\,x^3-9\,f(x)\,x-638\,x^2+f(x)+3357\,x-400)$$

Sequence: A223481
Score: 8.25820
Type of gen. func.: ogf

$$-\frac{864\,x^3-638\,x^2+3357\,x-400}{2\,x^2-9\,x+1}$$

Sequence: A223482
Score: 3.59111
Type of gen. func.: ogf

$$-(691200\,x^6-701568\,x^5-505088\,x^4+548492\,x^3+121196\,x^2-133813\,x+8000)\,/\,((2\,x+1)\,(32\,x^3-54\,x^2+19\,x-1))$$

Sequence: A223499
Score: 3.80425
Type of gen. func.: ogf

```
(6277469 f(x) + 10273215)

              3             2             2
    (10 f(x) x  - 24 f(x) x  + 15 f(x) x + 10 x  - f(x) - 20 x + 9)



--------------------------------------------------------------------------------

Sequence:  A223499
Score: 4.08957
Type of gen. func.: ogf


{-a(n + 3) + 15 a(n + 2) - 24 a(n + 1) + 10 a(n), a(0) = 9, a(1) = 115,

    a(2) = 1519}



--------------------------------------------------------------------------------

Sequence:  A223499
Score: 7.43558
Type of gen. func.: ogf


                                        2
                                    10 x  - 20 x + 9
                             - -------------------------
                                            2
                               (x - 1) (10 x  - 14 x + 1)



--------------------------------------------------------------------------------

Sequence:  A223505
Score: 4.11093
Type of gen. func.: ogf


{a(n + 4) - 5 a(n + 3) - 4 a(n + 2) + 4 a(n + 1), a(0) = 6, a(1) = 19,

    a(2) = 115, a(3) = 631}



--------------------------------------------------------------------------------

Sequence:  A223505
Score: 4.33229
Type of gen. func.: ogf


(233897 f(x) - 297780)

             3            2      3                 2
    (4 f(x) x  - 4 f(x) x  - 4 x  - 5 f(x) x + 4 x  + f(x) + 11 x - 6)



--------------------------------------------------------------------------------

Sequence:  A223505
Score: 8.04567
Type of gen. func.: ogf
```

$$\frac{(2 x + 3) (x - 2) (-1 + 2 x)}{4 x^3 - 4 x^2 - 5 x + 1}$$

Sequence: A223506
Score: 3.47297
Type of gen. func.: ogf

$$\frac{68 x^7 - 272 x^6 - 397 x^5 + 1774 x^4 - 1207 x^3 - 211 x^2 + 311 x - 36}{4 x^7 - 16 x^6 - 23 x^5 + 103 x^4 - 73 x^3 - 4 x^2 + 12 x - 1}$$

Sequence: A223552
Score: 10.2869
Type of gen. func.: ogf

$$- \frac{9 (2 x - 3)}{16 x^2 - 41 x + 1}$$

Sequence: A223552
Score: 5.14347
Type of gen. func.: ogf

$$-(4865 f(x) + 414) (16 f(x) x^2 - 41 f(x) x + f(x) + 18 x - 27)$$

Sequence: A223552
Score: 5.72795
Type of gen. func.: ogf

$$\{a(n + 2) - 41 a(n + 1) + 16 a(n), a(0) = 27, a(1) = 1089\}$$

Sequence: A223552
Score: 6.90493
Type of gen. func.: lgdogf

$$- \frac{-32 x^2 + 96 x - 121}{-32 x^3 + 130 x^2 - 125 x + 3}$$

```
------------------------------------------------------------------------------

Sequence:  A223553
Score: 2.77725
Type of gen. func.: ogf


{-a(n + 4) + 95 a(n + 3) - 626 a(n + 2) + 720 a(n + 1), a(0) = 81, a(1) = 6939,

    a(2) = 609309, a(3) = 53599905}



------------------------------------------------------------------------------

Sequence:  A223553
Score: 5.18195
Type of gen. func.: ogf


                                   3       2
                             9 (116 x  + 90 x  - 84 x + 9)
                           - ------------------------------
                                 3       2
                              720 x  - 626 x  + 95 x - 1



------------------------------------------------------------------------------

Sequence:  A223557
Score: 11.0398
Type of gen. func.: ogf


                                 3 (-1 + 2 x) (x - 2)
                                 --------------------
                                       2
                                    4 x  - 7 x + 1



------------------------------------------------------------------------------

Sequence:  A223557
Score: 5.67762
Type of gen. func.: ogf


     {a(n + 3) - 7 a(n + 2) + 4 a(n + 1), a(0) = 6, a(1) = 27, a(2) = 171}



------------------------------------------------------------------------------

Sequence:  A223557
Score: 5.84461
Type of gen. func.: ogf


                                   2                 2
       -(325 f(x) - 492) (4 f(x) x  - 7 f(x) x - 6 x  + f(x) + 15 x - 6)



------------------------------------------------------------------------------

Sequence:  A223557
```

Score: 7.84408
Type of gen. func.: lgdogf

$$-\frac{6x^2 - 12x + 9}{-8x^4 + 34x^3 - 45x^2 + 19x - 2}$$

Sequence: A223558
Score: 4.68034
Type of gen. func.: ogf

$$-\frac{9(18x^5 - 80x^4 + 119x^3 - 90x^2 + 41x - 4)}{(x - 1)(10x^3 - 31x^2 + 16x - 1)}$$

Sequence: A223564
Score: 12.6938
Type of gen. func.: ogf

$$-7 f(x) x + f(x) - 8 x - 8$$

Sequence: A223564
Score: 15.4384
Type of gen. func.: ogf

$$-\frac{8(x + 1)}{7x - 1}$$

Sequence: A223564
Score: 15.8672
Type of gen. func.: lgdogf

$$-\frac{8}{7x^2 + 6x - 1}$$

Sequence: A223564
Score: 7.82495
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1), a(0) = 8, a(1) = 64\}$$

Sequence: A223565
Score: 10.8795
Type of gen. func.: ogf

$$-\frac{16 (20 x^2 + 5 x + 1)}{11 x - 1}$$

Sequence: A223565
Score: 5.97776
Type of gen. func.: ogf

$$\{-a(n + 3) + 11 a(n + 2), a(0) = 16, a(1) = 256, a(2) = 3136\}$$

Sequence: A223565
Score: 6.39973
Type of gen. func.: ogf

$$-(f(x) - 16) (11 f(x) x + 320 x^2 - f(x) + 80 x + 16)$$

Sequence: A223565
Score: 7.66163
Type of gen. func.: lgdogf

$$-\frac{220 x^2 - 40 x - 16}{-220 x^3 - 35 x^2 - 6 x + 1}$$

Sequence: A223566
Score: 4.45597
Type of gen. func.: ogf

$$\{a(n + 4) - 16 a(n + 3), a(0) = 32, a(1) = 1024, a(2) = 21952, a(3) = 379456\}$$

Sequence: A223566

```
Score: 4.62412
Type of gen. func.: ogf


                                  3            2
 (2190937 f(x) - 5818464) (28224 x  + 16 f(x) x + 5568 x  - f(x) + 512 x + 32)



------------------------------------------------------------------------------

Sequence:  A223566
Score: 7.65870
Type of gen. func.: ogf


                                  3        2
                         32 (882 x  + 174 x  + 16 x + 1)
                       - -------------------------------
                                    16 x - 1



------------------------------------------------------------------------------

Sequence:  A223567
Score: 4.20568
Type of gen. func.: ogf


-(480187169 f(x) - 3963217752)

              4           3                      2
    (5312384 x  + 793408 x  + 22 f(x) x + 63552 x  - f(x) + 2688 x + 64)



------------------------------------------------------------------------------

Sequence:  A223567
Score: 4.23779
Type of gen. func.: ogf


{-a(n + 5) + 22 a(n + 4), a(0) = 64, a(1) = 4096, a(2) = 153664, a(3) = 4174016,

    a(4) = 97140736}



------------------------------------------------------------------------------

Sequence:  A223567
Score: 6.85370
Type of gen. func.: ogf


                              4          3        2
                   64 (83006 x  + 12397 x  + 993 x  + 42 x + 1)
                 - --------------------------------------------
                                     22 x - 1



------------------------------------------------------------------------------

Sequence:  A223568
Score: 5.10218
Type of gen. func.: ogf
```

$$-\frac{64 (30356480 x^5 + 3480323 x^4 + 230006 x^3 + 9383 x^2 + 198 x + 2)}{29 x - 1}$$

Sequence: A223571
Score: 10.3901
Type of gen. func.: ogf

$$-22 f(x) x + f(x) - 135 x - 27$$

Sequence: A223571
Score: 12.4174
Type of gen. func.: ogf

$$-\frac{27 (5 x + 1)}{22 x - 1}$$

Sequence: A223571
Score: 12.7278
Type of gen. func.: lgdogf

$$-\frac{27}{110 x^2 + 17 x - 1}$$

Sequence: A223571
Score: 6.69886
Type of gen. func.: ogf

$$\{a(n + 2) - 22 a(n + 1), a(0) = 27, a(1) = 729\}$$

Sequence: A223572
Score: 10.0186
Type of gen. func.: ogf

$$-\frac{81 (630 x^2 + 35 x + 1)}{46 x - 1}$$

Sequence: A223572
Score: 5.75539
Type of gen. func.: ogf

$$\{-a(n+3) + 46\, a(n+2),\ a(0) = 81,\ a(1) = 6561,\ a(2) = 352836\}$$

Sequence: A223572
Score: 6.07873
Type of gen. func.: ogf

$$-(f(x) - 81)\,(46\, f(x)\, x + 51030\, x^2 - f(x) + 2835\, x + 81)$$

Sequence: A223572
Score: 6.84819
Type of gen. func.: lgdogf

$$-\frac{28980\, x^2 - 1260\, x - 81}{-28980\, x^3 - 980\, x^2 - 11\, x + 1}$$

Sequence: A223573
Score: 3.66724
Type of gen. func.: ogf

$$(22021783168\, f(x) - 823038036129)$$

$$(79035264\, x^3 + 86\, f(x)\, x + 2684178\, x^2 - f(x) + 38151\, x + 243)$$

Sequence: A223573
Score: 3.88666
Type of gen. func.: ogf

$$\{a(n+4) - 86\, a(n+3),\ a(0) = 243,\ a(1) = 59049,\ a(2) = 7762392,$$

$$a(3) = 746600976\}$$

Sequence: A223573
Score: 6.22930
Type of gen. func.: ogf

$$-\frac{243\,(325248\,x^3 + 11046\,x^2 + 157\,x + 1)}{86\,x - 1}$$

Sequence: A223574
Score: 2.95252
Type of gen. func.: ogf

{-a(n + 5) + 148 a(n + 4), a(0) = 729, a(1) = 531441, a(2) = 170772624,

a(3) = 34343644896, a(4) = 5521860818496}

Sequence: A223574
Score: 4.47443
Type of gen. func.: ogf

$$-\frac{729\,(602196672\,x^4 + 12440736\,x^3 + 126364\,x^2 + 581\,x + 1)}{148\,x - 1}$$

Sequence: A223577
Score: 7.90245
Type of gen. func.: ogf

$$\frac{x^{17} - x^{16} + x^5 + 2\,x^4 + x^3 + x^2 + x + 1}{(x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A223578
Score: 7.58173
Type of gen. func.: ogf

$$\frac{2\,x^{17} - 2\,x^{16} + 2\,x^5 + 4\,x^4 + x^3 + x^2 + x + 2}{(x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A223580
Score: 11.0948
Type of gen. func.: ogf

$$-50 f(x) x + f(x) - 896 x - 64$$

Sequence: A223580
Score: 13.2597
Type of gen. func.: ogf

$$-\frac{64 (1 + 14 x)}{50 x - 1}$$

Sequence: A223580
Score: 13.5912
Type of gen. func.: lgdogf

$$-\frac{64}{700 x^2 + 36 x - 1}$$

Sequence: A223580
Score: 7.06034
Type of gen. func.: ogf

$$\{a(n + 2) - 50 a(n + 1), a(0) = 64, a(1) = 4096\}$$

Sequence: A223581
Score: 4.02072
Type of gen. func.: ogf

$$\{-a(n + 3) + 130 a(n + 2), a(0) = 256, a(1) = 65536, a(2) = 10240000\}$$

Sequence: A223581
Score: 4.19001
Type of gen. func.: ogf

$$-(f(x) - 256) (130 f(x) x + 1720320 x^2 - f(x) + 32256 x + 256)$$

Sequence: A223581
Score: 6.74663
Type of gen. func.: ogf

$$-\frac{256\,(6720\,x^2+126\,x+1)}{130\,x-1}$$

Sequence: A223582
Score: 3.6243
Type of gen. func.: ogf

$$(1453546875\,f(x)-379804322816)$$

$$(21504000000\,x^3+296\,f(x)\,x+201621504\,x^2-f(x)+745472\,x+1024)$$

Sequence: A223582
Score: 3.76813
Type of gen. func.: ogf

$\{a(n+4)-296\,a(n+3),\ a(0)=1024,\ a(1)=1048576,\ a(2)=512000000,$

$a(3)=173056000000\}$

Sequence: A223582
Score: 5.86153
Type of gen. func.: ogf

$$-\frac{1024\,(21000000\,x^3+196896\,x^2+728\,x+1)}{296\,x-1}$$

Sequence: A223594
Score: 3.28148
Type of gen. func.: ogf

$$-\frac{16\,(192\,x^6-64\,x^5-458\,x^4+167\,x^3+227\,x^2-113\,x+9)}{192\,x^7-104\,x^6-456\,x^5+258\,x^4+217\,x^3-153\,x^2+23\,x-1}$$

Sequence: A223600
Score: 5.05212
Type of gen. func.: ogf

$$\frac{16\,(456\,x^{5} - 40\,x^{4} - 481\,x^{3} + 50\,x^{2} + 80\,x - 16)}{(2\,x + 1)\,(24\,x^{4} - 16\,x^{3} - 13\,x^{2} + 8\,x - 1)}$$

Sequence: A223615
Score: 5.68638
Type of gen. func.: ogf

$$-\frac{x^{6} - 6\,x^{5} + 20\,x^{4} - 20\,x^{3} + 44\,x^{2} + 7}{(x - 1)^{7}}$$

Sequence: A223616
Score: 3.75536
Type of gen. func.: ogf

$$-\frac{x^{8} - 8\,x^{7} + 35\,x^{6} - 56\,x^{5} + 158\,x^{4} + 14\,x^{3} + 183\,x^{2} + 22\,x + 11}{(x - 1)^{9}}$$

Sequence: A223617
Score: 5.32778
Type of gen. func.: ogf

$$-(x^{10} - 10\,x^{9} + 54\,x^{8} - 120\,x^{7} + 413\,x^{6} + 14\,x^{5} + 1146\,x^{4} + 632\,x^{3} + 646\,x^{2} + 80\,x + 16) \Big/ (x - 1)^{11}$$

Sequence: A223632
Score: 5.65981
Type of gen. func.: ogf

$$-\frac{x^{6} - 6\,x^{5} + 29\,x^{4} - 18\,x^{3} + 33\,x^{2} + 7}{(x - 1)^{7}}$$

Sequence: A223633
Score: 3.36898
Type of gen. func.: ogf

$$-(x^{10}-11x^9+9x^8+18x^7+92x^6-74x^5+249x^4-65x^3+108x^2+22x+11)/(x-1)^9$$

Sequence: A223639
Score: 5.58957
Type of gen. func.: ogf

$$-\frac{3x^6-10x^5+40x^4-16x^3+22x^2+7}{(x-1)^7}$$

Sequence: A223659
Score: 5.56794
Type of gen. func.: ogf

$$-\frac{(x^2-2x+2)(x^4-4x^3+6x^2-4x+2)}{(x-1)^7}$$

Sequence: A223670
Score: 5.11386
Type of gen. func.: ogf

$$\frac{2x^7-5x^6+16x^5-63x^4+32x^3-12x^2-8x-8}{(x-1)^7}$$

Sequence: A223681
Score: 5.56560
Type of gen. func.: ogf

$$-\frac{x^6-4x^5+27x^4-30x^3+36x^2+8x+8}{(x-1)^7}$$

Sequence: A223682
Score: 3.49763
Type of gen. func.: ogf

$$-\frac{9x^8 - 36x^7 + 216x^6 - 442x^5 + 775x^4 - 594x^3 + 304x^2 + 112x + 16}{(x-1)^9}$$

Sequence: A223687
Score: 4.68214
Type of gen. func.: ogf

$$-(11179 f(x) + 1535952) (127 f(x) x^2 - 24 f(x) x + f(x) + 1152 x - 144)$$

Sequence: A223687
Score: 5.56654
Type of gen. func.: ogf

$$\{a(n+2) - 24 a(n+1) + 127 a(n), a(0) = 144, a(1) = 2304\}$$

Sequence: A223687
Score: 6.59196
Type of gen. func.: lgdogf

$$-\frac{-1016x^2 + 254x - 16}{-1016x^3 + 319x^2 - 32x + 1}$$

Sequence: A223687
Score: 9.45262
Type of gen. func.: ogf

$$-\frac{144(8x-1)}{127x^2 - 24x + 1}$$

Sequence: A223688
Score: 4.92287
Type of gen. func.: ogf

$$-\frac{144\,(1856\,x^{3}-760\,x^{2}+91\,x-3)}{16900\,x^{4}-7621\,x^{3}+1103\,x^{2}-59\,x+1}$$

Sequence: A223693
Score: 3.93946
Type of gen. func.: ogf

$\{-a(n+4)+8\,a(n+3)-11\,a(n+2)-16\,a(n+1),\ a(0)=256,\ a(1)=432,$

$a(2)=2304,\ a(3)=12384\}$

Sequence: A223693
Score: 4.20016
Type of gen. func.: ogf

$(17\,f(x)-3200)\,(16\,f(x)\,x^{3}+11\,f(x)\,x^{2}-2800\,x^{3}-8\,f(x)\,x-1664\,x^{2}+f(x)$

$+1616\,x-256)$

Sequence: A223693
Score: 6.96611
Type of gen. func.: ogf

$$\frac{16\,(175\,x^{3}+104\,x^{2}-101\,x+16)}{16\,x^{3}+11\,x^{2}-8\,x+1}$$

Sequence: A223711
Score: 7.10196
Type of gen. func.: ogf

$$-\frac{(2\,x^{2}-3\,x+2)^{2}}{(-1+2\,x)^{2}\,(x-1)^{3}}$$

Sequence: A223711
Score: 8.47101
Type of gen. func.: lgdogf

$$-\frac{4 x^{3} - 8 x^{2} + 15 x - 8}{4 x^{4} - 12 x^{3} + 15 x^{2} - 9 x + 2}$$

Sequence: A223718
Score: 7.78764
Type of gen. func.: lgdogf

$$-\frac{-x^{4} + 4 x^{3} - 9 x^{2} + 10 x - 9}{-x^{5} + 5 x^{4} - 11 x^{3} + 13 x^{2} - 9 x + 3}$$

Sequence: A223718
Score: 8.11554
Type of gen. func.: ogf

$$-\frac{(x^{2} - x + 1) (x^{2} - 3 x + 3)}{(x - 1)^{5}}$$

Sequence: A223719
Score: 4.16420
Type of gen. func.: ogf

$$-\frac{x^{8} - 8 x^{7} + 31 x^{6} - 68 x^{5} + 106 x^{4} - 80 x^{3} + 79 x^{2} + 9}{(x - 1)^{9}}$$

Sequence: A223764
Score: 12.1618
Type of gen. func.: lgdogf

$$-\frac{-x^{2} + 2 x - 6}{^{3} \quad ^{2}}$$

$$-x + 3 x - 4 x + 2$$

Sequence: A223764
Score: 3.89177
Type of gen. func.: ogf

$$\{(2 n + 8) a(n + 4) + (-18 - 4 n) a(n + 3) + (8 + 3 n) a(n + 2) + (-2 - n) a(n + 1), a(0) = 4, a(1) = 12, a(2) = 28, a(3) = 56\}$$

Sequence: A223764
Score: 8.19320
Type of gen. func.: ogf

$$-\frac{(x^2 - 2 x + 2)^2}{(x - 1)^5}$$

Sequence: A223765
Score: 4.88989
Type of gen. func.: ogf

$$-\frac{4 x^8 - 17 x^7 + 26 x^6 - 9 x^5 - 12 x^4 + x^3 + 22 x^2 - 21 x + 7}{(x - 1)^7}$$

Sequence: A223772
Score: 5.54142
Type of gen. func.: ogf

$$-\frac{2 x^6 - 7 x^5 + 14 x^4 - 23 x^3 + 29 x^2 - 21 x + 7}{(x - 1)^7}$$

Sequence: A223773
Score: 4.06356
Type of gen. func.: ogf

$$2 x^9 - 5 x^8 - 6 x^7 + 34 x^6 - 50 x^5 + 53 x^4 - 67 x^3 + 72 x^2 - 43 x + 11$$

$$- \frac{\quad}{(x-1)^9}$$

Sequence: A223833
Score: 10.5334
Type of gen. func.: ogf

$$\frac{x^3 + 2 x^2 - 6 x + 7}{(x - 1)^4}$$

Sequence: A223833
Score: 3.93725
Type of gen. func.: ogf

$$\{(-1747 n^2 - 10457 n - 13926) a(n + 1) + (2534 n^2 + 6150 n - 14688) a(n + 2)$$
$$+ (-787 n^2 + 1427 n + 11364) a(n + 3), a(0) = 7, a(1) = 22, a(2) = 48\}$$

Sequence: A223833
Score: 5.51751
Type of gen. func.: ogf

$$(310016 f(x) - 356801)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 2 x^2 + f(x) + 6 x - 7)$$

Sequence: A223833
Score: 9.77198
Type of gen. func.: lgdogf

$$- \frac{x^3 + 7 x^2 - 14 x + 22}{x^4 + x^3 - 8 x^2 + 13 x - 7}$$

Sequence: A223834
Score: 7.33933
Type of gen. func.: ogf

$$\frac{2 x^5 - x^4 - 9 x^3 + 2 x^2 + 9 x - 11}{(x - 1)^5}$$

Sequence: A223835
Score: 5.67854
Type of gen. func.: ogf

$$\frac{2 x^7 + 2 x^6 - 18 x^5 + 9 x^4 + 36 x^3 - 21 x^2 - 10 x + 16}{(x - 1)^6}$$

Sequence: A223836
Score: 4.49973
Type of gen. func.: ogf

$$\frac{2 x^9 + 4 x^8 - 22 x^7 - 10 x^6 + 77 x^5 - 35 x^4 - 103 x^3 + 71 x^2 + 6 x - 22}{(x - 1)^7}$$

Sequence: A223837
Score: 3.39777
Type of gen. func.: ogf

$$(2 x^{11} + 6 x^{10} - 26 x^9 - 27 x^8 + 111 x^7 + 45 x^6 - 256 x^5 + 109 x^4 + 238 x^3 - 174 x^2 + 7 x + 29) \Big/ (x - 1)^8$$

Sequence: A223839
Score: 5.48840
Type of gen. func.: ogf

$$- \frac{(x^2 - 2 x + 2) (2 x^4 - 4 x^3 + 5 x^2 - 4 x + 2)}{(x - 1)^7}$$

Sequence: A223840
Score: 3.74451
Type of gen. func.: ogf

$$-(x^{10} - 4 x^{9} + 4 x^{8} - 4 x^{7} + 28 x^{6} - 70 x^{5} + 89 x^{4} - 72 x^{3} + 44 x^{2} - 20 x + 5) \Big/ (x - 1)^{9}$$

Sequence: A223851
Score: 4.57947
Type of gen. func.: ogf

$$-(650217 f(x) + 2249680) (120 f(x) x^{4} - 154 f(x) x^{3} + 71 f(x) x^{2} - 14 f(x) x - 76 x^{2} + f(x) + 24 x - 2)$$

Sequence: A223851
Score: 9.03999
Type of gen. func.: ogf

$$\frac{2 (38 x^{2} - 12 x + 1)}{(4 x - 1) (3 x - 1) (-1 + 2 x) (5 x - 1)}$$

Sequence: A223852
Score: 6.66695
Type of gen. func.: ogf

$$-\frac{2 (810 x^{3} - 361 x^{2} + 56 x - 3)}{(6 x - 1) (4 x - 1) (3 x - 1) (-1 + 2 x) (5 x - 1)}$$

Sequence: A223859
Score: 3.31965
Type of gen. func.: ogf

$$(2 x^{9} - 18 x^{8} + 66 x^{7} - 117 x^{6} + 165 x^{5} - 59 x^{4} + 139 x^{3} + 294 x^{2} + 184 x + 50) \Big/ (x - 1)^{10}$$

Sequence: A223882
Score: 3.31183
Type of gen. func.: ogf

$$-(144 x^{8} - 672 x^{7} + 1480 x^{6} - 1936 x^{5} + 1617 x^{4} - 890 x^{3} + 321 x^{2} - 72 x + 9) \Big/ ((3 x - 1)^{2} (x - 1)^{3} (-1 + 2 x)^{4})$$

Sequence: A223905
Score: 2.55775
Type of gen. func.: egf]

$$(f(x) x - f(x) + 1)^{2}$$

Sequence: A223906
Score: 10.4221
Type of gen. func.: ogf

$$-\frac{144 x^{2} - 102 x + 17}{(3 x - 1) (-1 + 2 x) (4 x - 1)}$$

Sequence: A223906
Score: 5.49384
Type of gen. func.: ogf

$$-(1597 f(x) + 88416)$$

$$(24 f(x) x^{3} - 26 f(x) x^{2} + 9 f(x) x + 144 x^{2} - f(x) - 102 x + 17)$$

Sequence: A223906
Score: 6.00597
Type of gen. func.: ogf

$\{-a(n + 3) + 9 a(n + 2) - 26 a(n + 1) + 24 a(n), a(0) = 17, a(1) = 51,$

$a(2) = 161\}$

Sequence: A223907
Score: 4.39711
Type of gen. func.: ogf

$$-(650217 f(x) - 782556080) (120 f(x) x^4 - 154 f(x) x^3 + 71 f(x) x^2 + 2880 x^3 - 14 f(x) x - 2692 x^2 + f(x) + 792 x - 74)$$

Sequence: A223907
Score: 8.07729
Type of gen. func.: ogf

$$- \frac{2 (1440 x^3 - 1346 x^2 + 396 x - 37)}{(4 x - 1) (3 x - 1) (-1 + 2 x) (5 x - 1)}$$

Sequence: A223908
Score: 5.75922
Type of gen. func.: ogf

$$- \frac{2 (43200 x^4 - 48390 x^3 + 19239 x^2 - 3244 x + 197)}{(6 x - 1) (4 x - 1) (3 x - 1) (-1 + 2 x) (5 x - 1)}$$

Sequence: A223913
Score: 5.42366
Type of gen. func.: ogf

$$\frac{x^6 - 5 x^5 + 3 x^4 + 3 x^3 - 22 x^2 - 4 x - 22}{(x - 1)^7}$$

Sequence: A223914
Score: 3.38199
Type of gen. func.: ogf

$$(6 x^9 - 47 x^8 + 153 x^7 - 241 x^6 + 157 x^5 - 35 x^4 - 188 x^3 - 35 x^2 - 134 x - 46) / (x - 1)^9$$

/

Sequence: A223919
Score: 3.83885
Type of gen. func.: ogf

$$-\frac{x^8 - 8x^7 + 29x^6 - 62x^5 + 88x^4 - 82x^3 + 50x^2 - 18x + 6}{(x-1)^9}$$

Sequence: A223925
Score: 5.47896
Type of gen. func.: ogf

$$-\frac{4x^5 - 4x^4 - 8x^3 - 3x^2 + 4x + 1}{(2x-1)(2x+1)(x+1)^2(x-1)^2}$$

Sequence: A223927
Score: 3.85834
Type of gen. func.: ogf

$$-\frac{x^8 - 8x^7 + 29x^6 - 59x^5 + 79x^4 - 76x^3 + 56x^2 - 27x + 9}{(x-1)^9}$$

Sequence: A223940
Score: 4.81271
Type of gen. func.: ogf

$$-f(x)\,(f(x)\,x^5 - 3\,f(x)\,x^4 - 3\,f(x)\,x^3 + x^4 + 4\,f(x)\,x^2 - x^3 + f(x)\,x - 2x^2$$

$$- f(x) + x + 1)$$

Sequence: A223944
Score: 7.17739
Type of gen. func.: ogf

4 3 2

$$-\frac{8x + 3x + 2x - 4}{8x^5 - 5x^4 + x^3 + 2x^2 - 4x + 1}$$

Sequence: A223945
Score: 3.43495
Type of gen. func.: ogf

$$-\frac{8x^9 + 16x^8 + 45x^7 - 19x^6 - 33x^5 - 48x^4 - 24x^3 - 4x^2 + 5}{8x^{10} + 8x^9 + 29x^8 - 61x^7 - 4x^6 - 2x^5 + 7x^4 - 2x^3 - 5x^2 + 5x - 1}$$

Sequence: A223950
Score: 5.26672
Type of gen. func.: ogf

$$(11008 f(x) + 51013) (f(x) x^4 - 4 f(x) x^3 + 3 x^4 + 6 f(x) x^2 - 10 x^3 - 4 f(x) x + 6 x^2 + f(x) + 5 x - 8)$$

Sequence: A223950
Score: 8.62845
Type of gen. func.: lgdogf

$$-\frac{-2x^3 + 18x^2 - 27x + 27}{-3x^5 + 13x^4 - 16x^3 + x^2 + 13x - 8}$$

Sequence: A223950
Score: 9.43109
Type of gen. func.: ogf

$$-\frac{3x^4 - 10x^3 + 6x^2 + 5x - 8}{(x - 1)^4}$$

Sequence: A223951
Score: 6.58009

Type of gen. func.: ogf

$$-\frac{13 x^{6} - 33 x^{5} - 7 x^{4} + 86 x^{3} - 68 x^{2} + x + 16}{(x - 1)^{5}}$$

Sequence: A223952
Score: 5.15026
Type of gen. func.: ogf

$$-\frac{37 x^{8} - 68 x^{7} - 132 x^{6} + 348 x^{5} - 9 x^{4} - 491 x^{3} + 382 x^{2} - 51 x - 32}{(x - 1)^{6}}$$

Sequence: A223953
Score: 3.93436
Type of gen. func.: ogf

$$- (93 x^{10} - 148 x^{9} - 426 x^{8} + 767 x^{7} + 787 x^{6} - 1862 x^{5} - 335 x^{4} + 2546 x^{3} - 1735 x^{2} + 281 x + 64) / (x - 1)^{7}$$

Sequence: A223962
Score: 5.05104
Type of gen. func.: ogf

$$-\frac{x^{6} - 7 x^{5} + 21 x^{4} - 35 x^{3} + 36 x^{2} - 27 x + 16}{(x - 1)^{7}}$$

Sequence: A223970
Score: 4.04006
Type of gen. func.: ogf

$$-\frac{45 x^{6} - 141 x^{5} + 27 x^{4} + 236 x^{3} - 187 x^{2} + 22}{(3 x - 1) (x - 1) (15 x^{5} - 17 x^{4} - 51 x^{3} + 32 x^{2} + 18 x - 1)}$$

Sequence: A223982
Score: 3.30330
Type of gen. func.: ogf

$$-\left(x^9 - 10\,x^8 + 45\,x^7 - 120\,x^6 + 210\,x^5 - 259\,x^4 + 100\,x^3 - 439\,x^2 - 184\,x - 50\right) \Big/ (x - 1)^{10}$$

Sequence: A224000
Score: 7.59615
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 6\,x^3 - 18\,x^2 + 34\,x - 31}{-x^5 + 6\,x^4 - 16\,x^3 + 25\,x^2 - 23\,x + 9}$$

Sequence: A224000
Score: 7.98770
Type of gen. func.: ogf

$$-\frac{x^4 - 5\,x^3 + 11\,x^2 - 14\,x + 9}{(x - 1)^5}$$

Sequence: A224001
Score: 4.43923
Type of gen. func.: ogf

$$\frac{x^8 - 9\,x^7 + 32\,x^6 - 85\,x^5 + 159\,x^4 - 164\,x^3 + 56\,x^2 + 32\,x - 27}{(x - 1)^7}$$

Sequence: A224007
Score: 6.40492
Type of gen. func.: ogf

$$2\,(6\,x^4 - x^3 + 14\,x^2 + 5)$$

$$- \frac{}{12 x^5 - 14 x^4 + 30 x^3 - 16 x^2 + 10 x - 1}$$

Sequence: A224008
Score: 3.76441
Type of gen. func.: ogf

$$- \frac{240 x^6 + 460 x^5 + 157 x^4 + 101 x^3 + 156 x^2 + 15}{240 x^7 + 220 x^6 - 183 x^5 + 20 x^4 + 105 x^3 - 58 x^2 + 15 x - 1}$$

Sequence: A224013
Score: 4.87915
Type of gen. func.: ogf

$$- \frac{6 x^7 - 43 x^6 + 129 x^5 - 199 x^4 + 176 x^3 - 77 x^2 + 27 x + 27}{(x - 1)^7}$$

Sequence: A224019
Score: 3.82696
Type of gen. func.: ogf

$$- \frac{4 (36 x^6 - 13 x^5 + 85 x^4 - 11 x^3 + 49 x^2 + 5)}{144 x^7 - 196 x^6 + 392 x^5 - 276 x^4 + 228 x^3 - 70 x^2 + 20 x - 1}$$

Sequence: A224033
Score: 8.80110
Type of gen. func.: ogf

$$- \frac{(x - 1) (2 x^3 + 2 x^2 - x - 4)}{2 x^5 - x^3 - 3 x^2 + 4 x - 1}$$

Sequence: A224034
Score: 5.55738
Type of gen. func.: ogf

$$-\frac{2x^6+5x^4-3x^3-7x^2-6x+5}{4x^7-2x^6+2x^5+2x^4-x^3-6x^2+5x-1}$$

Sequence: A224035
Score: 4.06803
Type of gen. func.: ogf

$$\frac{4x^9+14x^7-3x^6-18x^5-10x^4+4x^3+11x^2+10x-6}{(2x-1)(4x^8+2x^6-x^5+3x^3+2x^2-4x+1)}$$

Sequence: A224039
Score: 5.16026
Type of gen. func.: ogf

$$-(62f(x)+3277)(f(x)x^4-4f(x)x^3+x^4+6f(x)x^2-4x^3-4f(x)x-x^2+f(x)+11x-8)$$

Sequence: A224039
Score: 9.24047
Type of gen. func.: ogf

$$-\frac{x^4-4x^3-x^2+11x-8}{(x-1)^4}$$

Sequence: A224039
Score: 9.34918
Type of gen. func.: lgdogf

$$-\frac{-14x^2+31x-21}{x^5-5x^4+3x^3+12x^2-19x+8}$$

Sequence: A224040
Score: 6.65812
Type of gen. func.: ogf

$$-\frac{3x^6-8x^5-8x^4+33x^3-10x^2-25x+16}{(x-1)^5}$$

Sequence: A224041
Score: 5.26407
Type of gen. func.: ogf

$$-\frac{7x^8-17x^7-9x^6+12x^5+124x^4-220x^3+86x^2+48x-32}{(x-1)^6}$$

Sequence: A224042
Score: 4.10546
Type of gen. func.: ogf

$$-(15x^{10}-45x^9+33x^8-72x^7+216x^6+97x^5-952x^4+1163x^3-447x^2-71x+64)\Big/(x-1)^7$$

Sequence: A224071
Score: 6.51218
Type of gen. func.: ogf

$$-3f(x)^2x^2+3f(x)^2x-f(x)^2-5f(x)x+3f(x)-2$$

Sequence: A224080
Score: 12.4034
Type of gen. func.: revegf]

$$-I(x^2-1)^{1/2}\ln(x+1)$$

Sequence: A224128

Score: 11.5413
Type of gen. func.: ogf

$$-\frac{2\,(x^2+2)}{2\,x^3-2\,x^2+4\,x-1}$$

Sequence: A224128
Score: 5.77067
Type of gen. func.: ogf

$$\{a(n+3)-4\,a(n+2)+2\,a(n+1)-2\,a(n),\ a(0)=4,\ a(1)=16,\ a(2)=58\}$$

Sequence: A224128
Score: 5.82174
Type of gen. func.: ogf

$$-(31\,f(x)+41)\,(2\,f(x)\,x^3-2\,f(x)\,x^2+4\,f(x)\,x+2\,x^2-f(x)+4)$$

Sequence: A224128
Score: 7.47564
Type of gen. func.: lgdogf

$$-\frac{-2\,x^4-8\,x^2+6\,x-8}{-2\,x^5+2\,x^4-8\,x^3+5\,x^2-8\,x+2}$$

Sequence: A224129
Score: 4.27756
Type of gen. func.: ogf

$$-(99464097\,f(x)-55264556)$$

$$(4\,f(x)\,x^4+2\,f(x)\,x^3-5\,f(x)\,x^2+4\,x^3+5\,f(x)\,x+6\,x^2-f(x)+5)$$

Sequence: A224129
Score: 8.84810
Type of gen. func.: ogf

$$-\frac{4 x^3 + 6 x^2 + 5}{4 x^4 + 2 x^3 - 5 x^2 + 5 x - 1}$$

Sequence: A224130
Score: 6.79349
Type of gen. func.: ogf

$$-\frac{8 x^4 + 10 x^3 + 13 x^2 + 6}{8 x^5 + 2 x^4 + 4 x^3 - 9 x^2 + 6 x - 1}$$

Sequence: A224131
Score: 5.64566
Type of gen. func.: ogf

$$-\frac{16 x^5 + 20 x^4 + 19 x^3 + 24 x^2 + 7}{16 x^6 + 4 x^5 + 9 x^3 - 14 x^2 + 7 x - 1}$$

Sequence: A224132
Score: 4.62578
Type of gen. func.: ogf

$$-\frac{32 x^6 + 40 x^5 + 41 x^4 + 32 x^3 + 40 x^2 + 8}{32 x^7 + 8 x^6 + 2 x^5 - 4 x^4 + 18 x^3 - 20 x^2 + 8 x - 1}$$

Sequence: A224134
Score: 5.25685
Type of gen. func.: ogf

$$(-214247 + 503552 f(x)) (f(x) x^4 - 4 f(x) x^3 + x^4 + 6 f(x) x^2 - 4 x^3 - 4 f(x) x$$
$$+ 2 x^2 + f(x) + 5 x - 8)$$

Sequence: A224134

Score: 9.58602
Type of gen. func.: ogf

$$-\frac{x^4 - 4x^3 + 2x^2 + 5x - 8}{(x-1)^4}$$

Sequence: A224134
Score: 9.81701
Type of gen. func.: lgdogf

$$-\frac{8x^2 - 19x + 27}{-x^5 + 5x^4 - 6x^3 - 3x^2 + 13x - 8}$$

Sequence: A224135
Score: 6.67276
Type of gen. func.: ogf

$$-\frac{6x^6 - 22x^5 + 15x^4 + 29x^3 - 37x^2 + x + 16}{(x-1)^5}$$

Sequence: A224136
Score: 5.00090
Type of gen. func.: ogf

$$-\frac{21x^8 - 63x^7 - 18x^6 + 228x^5 - 179x^4 - 152x^3 + 230x^2 - 51x - 32}{(x-1)^6}$$

Sequence: A224137
Score: 3.87695
Type of gen. func.: ogf

$$-(60x^{10} - 154x^9 - 172x^8 + 696x^7 + 160x^6 - 1840x^5 + 1387x^4 + 617x^3 - 1067x^2 + 281x + 64) / (x-1)^7$$

Sequence: A224141
Score: 11.7547
Type of gen. func.: ogf

$$\frac{3 x^2 - 6 x + 7}{(x - 1)^4}$$

Sequence: A224141
Score: 12.1056
Type of gen. func.: lgdogf

$$- \frac{-6 x^2 + 12 x - 22}{-3 x^3 + 9 x^2 - 13 x + 7}$$

Sequence: A224141
Score: 3.99544
Type of gen. func.: ogf

$$\{(-7 n - 28) a(n + 4) + (61 + 13 n) a(n + 3) + (-30 - 9 n) a(n + 2)$$
$$+ (9 + 3 n) a(n + 1), a(0) = 7, a(1) = 22, a(2) = 49, a(3) = 92\}$$

Sequence: A224141
Score: 6.1445
Type of gen. func.: ogf

$$(280 f(x) - 61)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 3 x^2 + f(x) + 6 x - 7)$$

Sequence: A224142
Score: 7.33933
Type of gen. func.: ogf

$$\frac{x^5 - x^4 - 2 x^3 - 4 x^2 + 9 x - 11}{(x - 1)^5}$$

Sequence: A224143
Score: 5.77454
Type of gen. func.: ogf

$$\frac{x^7 + x^6 - 10 x^5 + 8 x^4 + 11 x^3 - x^2 - 10 x + 16}{(x - 1)^6}$$

Sequence: A224144
Score: 4.59911
Type of gen. func.: ogf

$$\frac{x^9 + 2 x^8 - 11 x^7 - 8 x^6 + 53 x^5 - 40 x^4 - 33 x^3 + 20 x^2 + 6 x - 22}{(x - 1)^7}$$

Sequence: A224145
Score: 3.52016
Type of gen. func.: ogf

$$(x^{11} + 3 x^{10} - 12 x^9 - 21 x^8 + 71 x^7 + 28 x^6 - 199 x^5 + 152 x^4 + 68 x^3 - 63 x^2 + 7 x + 29) \Big/ (x - 1)^8$$

Sequence: A224147
Score: 5.51491
Type of gen. func.: ogf

$$- \frac{x^6 - 6 x^5 + 16 x^4 - 23 x^3 + 21 x^2 - 12 x + 4}{(x - 1)^7}$$

Sequence: A224148
Score: 4.19710
Type of gen. func.: ogf

$$-\frac{x^8 - 8x^7 + 29x^6 - 62x^5 + 85x^4 - 76x^3 + 47x^2 - 20x + 5}{(x - 1)^9}$$

Sequence: A224153
Score: 5.56159
Type of gen. func.: ogf

$$-\frac{2x^8 - 10x^4 + 12x^3 + 9x^2 - 7}{2x^9 + 2x^6 - 14x^5 + 4x^4 + x^3 + 2x^2 - 4x + 1}$$

Sequence: A224159
Score: 4.88989
Type of gen. func.: ogf

$$-\frac{6x^8 - 27x^7 + 41x^6 - 5x^5 - 47x^4 + 40x^3 + 5x^2 - 20x + 8}{(x - 1)^7}$$

Sequence: A224168
Score: 3.27152
Type of gen. func.: ogf

$$(3x^9 - 22x^8 + 107x^7 - 228x^6 + 412x^5 - 327x^4 + 378x^3 + 149x^2 + 184x + 50) / (x - 1)^{10}$$

Sequence: A224185
Score: 5.34211
Type of gen. func.: ogf

$$-\frac{x^6 - 7x^5 + 21x^4 - 35x^3 + 40x^2 + 4x + 22}{(x - 1)^7}$$

Sequence: A224186
Score: 3.65022
Type of gen. func.: ogf

$$-\frac{x^8 - 9x^7 + 36x^6 - 84x^5 + 127x^4 - 91x^3 + 250x^2 + 134x + 46}{(x - 1)^9}$$

Sequence: A224216
Score: 9.80345
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^4 + 2x^3 - 2x - 1}{-x^6 - x^4 - x^2 - 1}$$

Sequence: A224225
Score: 12.9576
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4x^8 + 2x^7 - 2x^4 + 2x^3 - 4x^2 - 2}{x^9 + x^6 + x^3 + 1}$$

Sequence: A224227
Score: 15.1368
Type of gen. func.: ogf

$$-\frac{x^3 (x^2 - x + 1)}{(x^2 + x - 1)^3}$$

Sequence: A224227
Score: 16.1879
Type of gen. func.: lgdogf

$$-\frac{4x^3 - 4x^2 + 6x + 2}{x^4 - x^2 + 2x - 1}$$

Sequence: A224227
Score: 5.71338
Type of gen. func.: ogf

$$\{(-n^3 - 6 n^2 - 12 n - 8) a(n + 1) + (-n^3 - 4 n^2 - 4 n + 1) a(n + 2)$$
$$+ (n^3 + 2 n^2 + n) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$$

Sequence: A224232
Score: 14.5226
Type of gen. func.: lgdogf

$$- \frac{x^4 - 4 x^2 - 1}{2 x^6 + 3 x^5 + 5 x^4 - 3 x + 1}$$

Sequence: A224232
Score: 15.9959
Type of gen. func.: ogf

$$\frac{x^3 + x^2 + x - 1}{2 x^3 + x^2 + 2 x - 1}$$

Sequence: A224232
Score: 8.36152
Type of gen. func.: ogf

$$\{-a(n + 4) + 2 a(n + 3) + a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 2,$$
$$a(3) = 6\}$$

Sequence: A224232
Score: 8.97336
Type of gen. func.: ogf

$$-(f(x) - 1) (2 f(x) x^3 + f(x) x^2 - x^3 + 2 f(x) x - x^2 - f(x) - x + 1)$$

Sequence: A224251
Score: 10.1666
Type of gen. func.: ogf

$$-\frac{15 x^4 - 5 x^3 - 5 x^2 - 5 x - 8}{(x - 1) (5 x^4 - 1)}$$

Sequence: A224257
Score: 5.34211
Type of gen. func.: ogf

$$\frac{x^6 - 13 x^5 + 25 x^4 - 29 x^3 - 4 x^2 - 4 x - 22}{(x - 1)^7}$$

Sequence: A224258
Score: 3.19410
Type of gen. func.: ogf

$$- (2 x^{10} - 12 x^9 + 61 x^8 - 255 x^7 + 534 x^6 - 416 x^5 + 29 x^4 + 467 x^3 - 180 x^2 + 134 x + 46) / (x - 1)^9$$

Sequence: A224274
Score: 5.07814
Type of gen. func.: ogf

$$\{(-256 n^3 - 1920 n^2 - 4784 n - 3960) a(n + 1) + (27 n^3 + 216 n^2 + 573 n + 504) a(n + 2), a(0) = 1, a(1) = 7\}$$

Sequence: A224274
Score: 8.50036
Type of gen. func.: revogf

$$27 x^4 + 27 x^3 + 9 x^2 + x$$

$$-\frac{}{-256 x^{4} - 256 x^{3} - 96 x^{2} - 16 x - 1}$$

Sequence: A224288
Score: 6.96188
Type of gen. func.: ogf

$$-\frac{x^{4} (2 x^{5} + 6 x^{4} - 6 x^{3} + 6 x^{2} - 4 x + 1)}{(2 x - 1)^{5}}$$

Sequence: A224288
Score: 7.70538
Type of gen. func.: lgdogf

$$-\frac{22 x^{4} + 18 x^{2} - 20 x + 6}{4 x^{6} + 10 x^{5} - 18 x^{4} + 18 x^{3} - 14 x^{2} + 6 x - 1}$$

Sequence: A224289
Score: 10.1193
Type of gen. func.: lgdogf

$$-\frac{-2 x^{3} + 37 x^{2} - 28 x + 8}{-2 x^{4} + 21 x^{3} - 26 x^{2} + 12 x - 2}$$

Sequence: A224289
Score: 4.41098
Type of gen. func.: ogf

$$\{(-578 n^{2} + 648 n - 70) a(n + 1) + (519 n^{2} - 1503 n - 560) a(n + 2)$$

$$+ (-115 n^{2} + 501 n) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 2\}$$

Sequence: A224289
Score: 9.66451
Type of gen. func.: ogf

$$-\frac{x^3 (x^3 - 10 x^2 + 8 x - 2)}{(2 x - 1)^4}$$

Sequence: A224290
Score: 4.48439
Type of gen. func.: ogf

$$-\frac{x^5 (4 x^8 - 8 x^7 + 24 x^6 - 36 x^5 + 62 x^4 - 60 x^3 + 30 x^2 - 8 x + 1)}{(2 x - 1)^7}$$

Sequence: A224292
Score: 11.1152
Type of gen. func.: lgdogf

$$\frac{x + 3}{x (x^2 - 6 x + 1)^{1/2}} - 3/x$$

Sequence: A224292
Score: 22.8437
Type of gen. func.: lgdogf

$$\frac{x + 3}{x (x^2 - 6 x + 1)^{1/2}} - 3/x$$

Sequence: A224292
Score: 3.30871
Type of gen. func.: ogf

$$\{(14 n^3 + 61 n^2 + 66 n) a(n + 1) + (-84 n^3 - 492 n^2 - 1014 n - 720) a(n + 2)$$

$$+ (14 n^3 + 103 n^2 + 114 n) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0,$$

$$a(3) = 1\}$$

Sequence: A224292
Score: 5.9281
Type of gen. func.: ogf

$$4 f(x)^2 x^3 - 4 f(x) x^4 + 24 f(x) x^3 - 29 f(x) x^2 + x^3 + 10 f(x) x - f(x)$$

Sequence: A224317
Score: 12.5906
Type of gen. func.: ogf

$$- \frac{x^3 + 3 x + 1}{(x - 1) (x^2 + x + 1)}$$

Sequence: A224317
Score: 6.49412
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 1), a(0) = 1, a(1) = 3, a(2) = 0, a(3) = 2\}$$

Sequence: A224317
Score: 7.61655
Type of gen. func.: ogf

$$-(23 f(x) + 66) (f(x) x^3 + x^3 - f(x) + 3 x + 1)$$

Sequence: A224317
Score: 9.07266
Type of gen. func.: lgdogf

$$- \frac{-6 x^3 - 6 x^2 - 3}{-x^6 - 3 x^4 + 3 x + 1}$$

Sequence: A224327
Score: 3.60179
Type of gen. func.: ogf

$$\{(-3 n^2 - 21 n - 36) a(n + 1) + (4 n^2 + 24 n + 32) a(n + 2)$$

$$+ (-n^2 - 5 n - 6) a(n + 3), a(0) = 1, a(1) = 10, a(2) = 51\}$$

Sequence: A224327
Score: 4.59804
Type of gen. func.: ogf

$$-(1970 f(x) + 6181)$$

$$(9 f(x) x^4 - 24 f(x) x^3 + 22 f(x) x^2 - 8 f(x) x + 7 x^2 + f(x) - 2 x - 1)$$

Sequence: A224327
Score: 7.45198
Type of gen. func.: lgdogf

$$- \frac{42 x^3 - 18 x^2 - 18 x + 10}{21 x^4 - 34 x^3 + 12 x^2 + 2 x - 1}$$

Sequence: A224327
Score: 9.13130
Type of gen. func.: ogf

$$- \frac{7 x^2 - 2 x - 1}{(3 x - 1)^2 (x - 1)^2}$$

Sequence: A224328
Score: 3.50318
Type of gen. func.: ogf

$$\{(-4 n^2 - 28 n - 48) a(n + 1) + (5 n^2 + 30 n + 40) a(n + 2)$$

$$+ (-n^2 - 5 n - 6) a(n + 3), a(0) = 1, a(1) = 14, a(2) = 93\}$$

Sequence: A224328
Score: 4.47215

Type of gen. func.: ogf

$$(18459 f(x) - 2986)$$

$$(16 f(x) x^4 - 40 f(x) x^3 + 33 f(x) x^2 - 10 f(x) x + 14 x^2 + f(x) - 4 x - 1)$$

Sequence: A224328
Score: 7.16559
Type of gen. func.: lgdogf

$$- \frac{-112 x^3 + 48 x^2 + 24 x - 14}{-56 x^4 + 86 x^3 - 30 x^2 - x + 1}$$

Sequence: A224328
Score: 8.52124
Type of gen. func.: ogf

$$- \frac{14 x^2 - 4 x - 1}{(4 x - 1)^2 (x - 1)^2}$$

Sequence: A224329
Score: 3.14469
Type of gen. func.: ogf

$$\{(-5 n^2 - 35 n - 60) a(n + 1) + (6 n^2 + 36 n + 48) a(n + 2)$$

$$+ (-n^2 - 5 n - 6) a(n + 3), a(0) = 1, a(1) = 18, a(2) = 147\}$$

Sequence: A224329
Score: 4.0368
Type of gen. func.: ogf

$$(13894 f(x) - 6757)$$

$$(25 f(x) x^4 - 60 f(x) x^3 + 46 f(x) x^2 - 12 f(x) x + 23 x^2 + f(x) - 6 x - 1)$$

Sequence: A224329
Score: 6.61848
Type of gen. func.: lgdogf

$$-\frac{-230 x^{3} + 90 x^{2} + 30 x - 18}{-115 x^{4} + 168 x^{3} - 54 x^{2} + 1}$$

Sequence: A224329
Score: 7.69174
Type of gen. func.: ogf

$$-\frac{23 x^{2} - 6 x - 1}{(5 x - 1)^{2} (x - 1)^{2}}$$

Sequence: A224330
Score: 3.39296
Type of gen. func.: ogf

$$\{(-6 n^{2} - 42 n - 72) a(n + 1) + (7 n^{2} + 42 n + 56) a(n + 2) + (-n^{2} - 5 n - 6) a(n + 3), a(0) = 1, a(1) = 22, a(2) = 213\}$$

Sequence: A224330
Score: 4.23535
Type of gen. func.: ogf

$$(1360975 f(x) - 802729) (36 f(x) x^{4} - 84 f(x) x^{3} + 61 f(x) x^{2} - 14 f(x) x + 34 x^{2} + f(x) - 8 x - 1)$$

Sequence: A224330
Score: 6.74863
Type of gen. func.: lgdogf

$$-\frac{-408 x^{3} + 144 x^{2} + 36 x - 22}{-204 x^{4} + 286 x^{3} - 84 x^{2} + x + 1}$$

Sequence: A224330
Score: 8.29899
Type of gen. func.: ogf

$$-\frac{34 x^2 - 8 x - 1}{(6 x - 1)^2 (x - 1)^2}$$

Sequence: A224331
Score: 3.25352
Type of gen. func.: ogf

$$\{(-7 n^2 - 49 n - 84) a(n + 1) + (8 n^2 + 48 n + 64) a(n + 2) + (-n^2 - 5 n - 6) a(n + 3), a(0) = 1, a(1) = 26, a(2) = 291\}$$

Sequence: A224331
Score: 4.03348
Type of gen. func.: ogf

$$(403390 f(x) - 260727) (49 f(x) x^4 - 112 f(x) x^3 + 78 f(x) x^2 - 16 f(x) x + 47 x^2 + f(x) - 10 x - 1)$$

Sequence: A224331
Score: 6.40096
Type of gen. func.: lgdogf

$$-\frac{-658 x^3 + 210 x^2 + 42 x - 26}{-329 x^4 + 446 x^3 - 120 x^2 + 2 x + 1}$$

Sequence: A224331
Score: 7.74853
Type of gen. func.: ogf

$$47 x^2 - 10 x - 1$$

$$- \frac{\quad}{(7 x - 1)^2 (x - 1)^2}$$

Sequence: A224332
Score: 3.39993
Type of gen. func.: ogf

$$\{(-8 n^2 - 56 n - 96) a(n + 1) + (9 n^2 + 54 n + 72) a(n + 2)$$

$$+ (-n^2 - 5 n - 6) a(n + 3), a(0) = 1, a(1) = 30, a(2) = 381\}$$

Sequence: A224332
Score: 4.13012
Type of gen. func.: ogf

$$(11774945 f(x) - 8073038) ($$

$$64 f(x) x^4 - 144 f(x) x^3 + 97 f(x) x^2 - 18 f(x) x + 62 x^2 + f(x) - 12 x - 1$$

$$)$$

Sequence: A224332
Score: 6.68900
Type of gen. func.: lgdogf

$$- \frac{-992 x^3 + 288 x^2 + 48 x - 30}{-496 x^4 + 654 x^3 - 162 x^2 + 3 x + 1}$$

Sequence: A224332
Score: 8.09721
Type of gen. func.: ogf

$$- \frac{62 x^2 - 12 x - 1}{(8 x - 1)^2 (x - 1)^2}$$

Sequence: A224334
Score: 12.2700

Type of gen. func.: lgdogf

$$-\frac{-x^2 + 6x - 17}{-x^3 + 5x^2 - 11x + 7}$$

Sequence: A224334
Score: 12.8542
Type of gen. func.: ogf

$$-\frac{3(x^2 - 4x + 7)}{(x - 1)^3}$$

Sequence: A224334
Score: 6.86285
Type of gen. func.: ogf

$$(113 f(x) - 1701) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) - 12 x + 21)$$

Sequence: A224334
Score: 7.04189
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 21, a(1) = 51, a(2) = 93\}$$

Sequence: A224335
Score: 3.76867
Type of gen. func.: ogf

$$\{(-11 n^2 - 133 n - 222) a(n + 1) + (274 n^2 + 2564 n + 5304) a(n + 2)$$

$$+ (-263 n^2 - 1675 n - 2658) a(n + 3), a(0) = 60, a(1) = 212, a(2) = 508\}$$

Sequence: A224335
Score: 5.12744
Type of gen. func.: ogf

$$(2103 f(x) + 84338) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 4 x^3 - 4 f(x) x - 20 x^2 + f(x) + 28 x - 60)$$

Sequence: A224335
Score: 8.86746
Type of gen. func.: lgdogf

$$- \frac{-x^3 + 7 x^2 - 11 x + 53}{-x^4 + 6 x^3 - 12 x^2 + 22 x - 15}$$

Sequence: A224335
Score: 9.42168
Type of gen. func.: ogf

$$- \frac{4 (x^3 - 5 x^2 + 7 x - 15)}{(x - 1)^4}$$

Sequence: A224336
Score: 6.93321
Type of gen. func.: lgdogf

$$- \frac{-x^4 + 8 x^3 - 30 x^2 - 56 x - 161}{-x^5 + 7 x^4 - 22 x^3 + 10 x^2 - 25 x + 31}$$

Sequence: A224336
Score: 7.21054
Type of gen. func.: ogf

$$- \frac{5 (x^4 - 6 x^3 + 16 x^2 + 6 x + 31)}{(x - 1)^5}$$

Sequence: A224337
Score: 5.65455

Type of gen. func.: ogf

$$-\frac{6\,(x^{5}-7\,x^{4}+18\,x^{3}-82\,x^{2}-107\,x-63)}{(x-1)^{6}}$$

Sequence: A224338
Score: 4.57075
Type of gen. func.: ogf

$$-\frac{7\,(x^{6}-8\,x^{5}+29\,x^{4}+64\,x^{3}+659\,x^{2}+568\,x+127)}{(x-1)^{7}}$$

Sequence: A224354
Score: 4.73667
Type of gen. func.: ogf

$$-\frac{17\,x^{7}-116\,x^{6}+326\,x^{5}-474\,x^{4}+396\,x^{3}-157\,x^{2}+27\,x+27}{(x-1)^{7}}$$

Sequence: A224364
Score: 9.67345
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{6}+x^{5}+3\,x^{4}+4\,x^{3}+3\,x^{2}+x+1}{-x^{8}+2\,x^{4}-1}$$

Sequence: A224365
Score: 8.38760
Type of gen. func.: ogf

$$\frac{51453\,x^{14}-51786\,x^{13}+135\,x^{5}-154\,x^{4}+7\,x-10}{x-1}$$

Sequence: A224369
Score: 5.61072
Type of gen. func.: ogf

$$-\frac{2 (x^2 + x + 1) (6 x^2 - 12 x + 11)}{12 x^5 - 14 x^4 + 30 x^3 - 16 x^2 + 10 x - 1}$$

Sequence: A224384
Score: 14.8449
Type of gen. func.: ogf

$$-\frac{2 (9 x - 1)}{(17 x - 1) (x - 1)}$$

Sequence: A224384
Score: 7.58036
Type of gen. func.: ogf

$$-(64 f(x) - 47) (17 f(x) x^2 - 18 f(x) x + f(x) + 18 x - 2)$$

Sequence: A224384
Score: 8.38299
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1) + 17 a(n), a(0) = 2, a(1) = 18\}$$

Sequence: A224384
Score: 9.89658
Type of gen. func.: lgdogf

$$-\frac{-153 x^2 + 34 x - 9}{-153 x^3 + 179 x^2 - 27 x + 1}$$

Sequence: A224404
Score: 11.0017
Type of gen. func.: ogf

$$-\frac{2 x^{2} + 7}{2 x^{3} - 2 x^{2} + 4 x - 1}$$

Sequence: A224404
Score: 5.45303
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 2 a(n + 1) - 2 a(n), a(0) = 7, a(1) = 28, a(2) = 100\}$$

Sequence: A224404
Score: 5.54955
Type of gen. func.: ogf

$$-(25 f(x) - 74) (2 f(x) x^{3} - 2 f(x) x^{2} + 4 f(x) x + 2 x^{2} - f(x) + 7)$$

Sequence: A224404
Score: 6.67126
Type of gen. func.: lgdogf

$$-\frac{-4 x^{4} - 34 x^{2} + 24 x - 28}{-4 x^{5} + 4 x^{4} - 22 x^{3} + 16 x^{2} - 28 x + 7}$$

Sequence: A224405
Score: 3.94306
Type of gen. func.: ogf

$$-(18162773 f(x) - 15218232) (4 f(x) x^{4} + 2 f(x) x^{3} - 5 f(x) x^{2} + 2 x^{3} + 5 f(x) x + 3 x^{2} - f(x) + x + 11)$$

Sequence: A224405
Score: 7.88612
Type of gen. func.: ogf

$$-\frac{2 x^{3} + 3 x^{2} + x + 11}{\quad}$$

$$4x^4 + 2x^3 - 5x^2 + 5x - 1$$

Sequence: A224406
Score: 6.21723
Type of gen. func.: ogf

$$\frac{(x-1)(7x^3 + 24x^2 + 21x + 16)}{8x^5 + 2x^4 + 4x^3 - 9x^2 + 6x - 1}$$

Sequence: A224407
Score: 5.18601
Type of gen. func.: ogf

$$-\frac{14x^6 - 29x^5 - 109x^4 - 83x^3 + 4x^2 + 15x + 22}{16x^6 + 4x^5 + 9x^3 - 14x^2 + 7x - 1}$$

Sequence: A224408
Score: 3.86027
Type of gen. func.: ogf

$$-\frac{168x^7 + 116x^6 - 288x^5 - 436x^4 - 236x^3 + 12x^2 + 35x + 29}{32x^7 + 8x^6 + 2x^5 - 4x^4 + 18x^3 - 20x^2 + 8x - 1}$$

Sequence: A224410
Score: 6.02894
Type of gen. func.: ogf

$$-\frac{4x^5 - 11x^4 + 4x^3 + 16x^2 - 20x + 8}{(x-1)^7}$$

Sequence: A224411
Score: 3.59016
Type of gen. func.: ogf

$$- (4 x^{10} - 38 x^9 + 155 x^8 - 334 x^7 + 368 x^6 - 106 x^5 - 196 x^4 + 206 x^3 - 38 x^2 - 36 x + 16) / (x - 1)^9$$

Sequence: A224415
Score: 11.6853
Type of gen. func.: lgdogf

$$- \frac{-10 x^2 + 15 x + 5}{-x^3 + 2 x^2 + 2 x - 1}$$

Sequence: A224415
Score: 3.81796
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (11 + 2 n) a(n + 3) + (19 + 2 n) a(n + 2) + (-11 - n) a(n + 1), a(0) = 1, a(1) = 5, a(2) = 25, a(3) = 100\}$$

Sequence: A224415
Score: 9.07326
Type of gen. func.: ogf

$$\frac{1}{(x^2 - 3 x + 1)^3 (x + 1)^4}$$

Sequence: A224419
Score: 8.44764
Type of gen. func.: ogf

$$- \frac{x (x + 1) (x^4 + 23 x^3 + 168 x^2 + 23 x + 1)}{(x - 1) (x^6 - 1442 x^3 + 1)}$$

Sequence: A224422
Score: 9.40776

Type of gen. func.: ogf

$$-\frac{(3x-1)(x-1)}{x^5-15x^4+35x^3-28x^2+9x-1}$$

Sequence: A224423
Score: 5.46146
Type of gen. func.: ogf

$$-\frac{366912x^4-794080x^3+610948x^2-197564x+24485}{(x-1)(4x-1)^2(2x-1)^2}$$

Sequence: A224424
Score: 3.28774
Type of gen. func.: ogf

$$-(13735424x^6-40286592x^5+47779680x^4-29472552x^3+10001292x^2 - 1824678x+147859) \Big/ \left((x-1)(4x-1)^3(2x-1)^3\right)$$

Sequence: A224425
Score: 3.63902
Type of gen. func.: ogf

$$(1637270026743223852\,f(x)+10600752373045942405023)(32\,f(x)\,x^4-64\,f(x)\,x^3 + 42\,f(x)\,x^2+648x^3-11\,f(x)\,x-19332x^2+f(x)-55053x-10584)$$

Sequence: A224425
Score: 7.46958
Type of gen. func.: ogf

$$-\frac{27(24x^3-716x^2-2039x-392)}{(2x-1)(x-1)(4x-1)^2}$$

Sequence: A224426
Score: 5.30377
Type of gen. func.: ogf

$$-\frac{6\,(600\,x^{4} + 31342\,x^{3} + 295053\,x^{2} + 185109\,x + 11426)}{(2\,x - 1)\,(x - 1)\,(4\,x - 1)^{3}}$$

Sequence: A224427
Score: 3.38297
Type of gen. func.: ogf

$$(1308062824703820945\,f(x) + 786220411604815598648)\,(32\,f(x)\,x^{4} - 64\,f(x)\,x^{3} + 42\,f(x)\,x^{2} - 32\,x^{3} - 11\,f(x)\,x - 4448\,x^{2} + f(x) - 5194\,x - 343)$$

Sequence: A224427
Score: 7.06666
Type of gen. func.: ogf

$$\frac{32\,x^{3} + 4448\,x^{2} + 5194\,x + 343}{(2\,x - 1)\,(x - 1)\,(4\,x - 1)^{2}}$$

Sequence: A224428
Score: 6.01939
Type of gen. func.: ogf

$$-\frac{8\,(4896\,x^{3} + 15616\,x^{2} + 4874\,x + 129)}{(2\,x - 1)\,(x - 1)\,(4\,x - 1)^{3}}$$

Sequence: A224429
Score: 5.76197
Type of gen. func.: ogf

$$-\frac{3\,(20912\,x^{4} - 34880\,x^{3} + 230\,x^{2} + 5745\,x + 28)}{\qquad {}^{2} \qquad {}^{2}}$$

$$(x - 1) (4 x - 1) (2 x - 1)$$

Sequence: A224430
Score: 4.24199
Type of gen. func.: ogf

$$- 3 (686912 x^6 - 847120 x^5 + 1120160 x^4 - 674784 x^3 + 54380 x^2 + 33809 x + 53) / ((x - 1) (4 x - 1)^3 (2 x - 1)^3)$$

Sequence: A224431
Score: 5.65014
Type of gen. func.: ogf

$$- \frac{2 (288 x^4 - 32 x^3 - 1414 x^2 + 983 x + 112)}{(x - 1) (4 x - 1)^2 (2 x - 1)^2}$$

Sequence: A224432
Score: 3.86543
Type of gen. func.: ogf

$$- \frac{9216 x^6 - 51520 x^5 + 33184 x^4 - 56932 x^3 - 20204 x^2 + 16595 x + 622}{(x - 1) (4 x - 1)^3 (2 x - 1)^3}$$

Sequence: A224433
Score: 5.64145
Type of gen. func.: ogf

$$\frac{6 (3008 x^4 + 22296 x^3 - 2540 x^2 - 3412 x - 29)}{(x - 1) (4 x - 1)^2 (2 x - 1)^2}$$

Sequence: A224434
Score: 3.89215
Type of gen. func.: ogf

$$3 (42496 x^6 - 1360960 x^5 - 391824 x^4 + 931008 x^3 - 153456 x^2 - 35176 x - 119) / ((x - 1) (4 x - 1)^3 (2 x - 1)^3)$$

Sequence: A224435
Score: 5.79312
Type of gen. func.: ogf

$$- \frac{24 (9536 x^4 - 22060 x^3 - 4221 x^2 + 5002 x + 52)}{(x - 1) (4 x - 1)^2 (2 x - 1)^2}$$

Sequence: A224436
Score: 4.45733
Type of gen. func.: ogf

$$- 2 (3512832 x^6 - 4263232 x^5 + 13296352 x^4 - 7414660 x^3 - 165878 x^2 + 531059 x + 1861) / ((x - 1) (4 x - 1)^3 (2 x - 1)^3)$$

Sequence: A224437
Score: 5.50146
Type of gen. func.: ogf

$$- \frac{2 (4160 x^4 - 2112 x^3 + 1724 x^2 - 744 x + 365)}{(x - 1) (4 x - 1)^2 (2 x - 1)^2}$$

Sequence: A224438
Score: 4.21630
Type of gen. func.: ogf

$$- \frac{70400 x^6 - 422016 x^5 + 217776 x^4 - 59376 x^3 - 20496 x^2 + 9480 x + 2083}{(x - 1) (4 x - 1)^3 (2 x - 1)^3}$$

Sequence: A224452
Score: 5.49098
Type of gen. func.: ogf

$$-\frac{2\,(1472\,x^4+736\,x^3-84\,x^2+36\,x+99)}{(x-1)\,(4\,x-1)^2\,(2\,x-1)^2}$$

Sequence: A224453
Score: 4.16833
Type of gen. func.: ogf

$$-\frac{9728\,x^6-202880\,x^5+22624\,x^4+14440\,x^3-12140\,x^2+5454\,x+477}{(x-1)\,(4\,x-1)^3\,(2\,x-1)^3}$$

Sequence: A224454
Score: 13.3527
Type of gen. func.: ogf

$$\frac{9\,(x^2+8\,x+3)}{(x-1)^4}$$

Sequence: A224454
Score: 14.3643
Type of gen. func.: lgdogf

$$-\frac{2\,x^2+26\,x+20}{x^3+7\,x^2-5\,x-3}$$

Sequence: A224454
Score: 4.60215
Type of gen. func.: ogf

$$\{(3\,n+12)\,a(n+4)+(-5+5\,n)\,a(n+3)+(-40-7\,n)\,a(n+2)$$
$$+(-3-n)\,a(n+1),\ a(0)=27,\ a(1)=180,\ a(2)=567,\ a(3)=1296\}$$

Sequence: A224454
Score: 6.62966
Type of gen. func.: ogf

$(161400 f(x) + 10030339)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 9 x^2 + f(x) - 72 x - 27)$$

Sequence: A224455
Score: 11.0516
Type of gen. func.: ogf

$$- \frac{6 (16 x^2 + 31 x + 7)}{(x - 1)^5}$$

Sequence: A224455
Score: 12.9194
Type of gen. func.: lgdogf

$$- \frac{48 x^2 + 156 x + 66}{16 x^3 + 15 x^2 - 24 x - 7}$$

Sequence: A224455
Score: 4.32679
Type of gen. func.: ogf

$$\{(7 n + 28) a(n + 4) + (6 + 24 n) a(n + 3) + (-186 - 15 n) a(n + 2)$$

$$+ (-64 - 16 n) a(n + 1), a(0) = 42, a(1) = 396, a(2) = 1656, a(3) = 4740\}$$

Sequence: A224456
Score: 10.3564
Type of gen. func.: ogf

$$- \frac{9 (16 x^3 - 63 x^2 + 92 x - 51)}{(x - 1)^4}$$

Sequence: A224456
Score: 5.64292
Type of gen. func.: ogf

$$(37623 f(x) + 17881697) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 144 x^3 - 4 f(x) x - 567 x^2 + f(x) + 828 x - 459)$$

Sequence: A224456
Score: 9.46556
Type of gen. func.: lgdogf

$$- \frac{-16 x^3 + 78 x^2 - 150 x + 112}{-16 x^4 + 79 x^3 - 155 x^2 + 143 x - 51}$$

Sequence: A224457
Score: 5.96128
Type of gen. func.: ogf

$$- \frac{3 (78 x^4 - 403 x^3 + 845 x^2 - 850 x + 354)}{(x - 1)^5}$$

Sequence: A224459
Score: 5.36011
Type of gen. func.: ogf

$$(1314 f(x) + 234347) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 16 x^3 - 4 f(x) x - 57 x^2 + f(x) + 87 x - 55)$$

Sequence: A224459
Score: 8.58770
Type of gen. func.: lgdogf

3 2

$$-\frac{-16 x + 66 x - 147 x + 133}{-16 x^4 + 73 x^3 - 144 x^2 + 142 x - 55}$$

Sequence: A224459
Score: 9.85995
Type of gen. func.: ogf

$$-\frac{16 x^3 - 57 x^2 + 87 x - 55}{(x - 1)^4}$$

Sequence: A224460
Score: 7.96985
Type of gen. func.: lgdogf

$$-\frac{-25 x^4 + 98 x^3 - 255 x^2 + 400 x - 263}{-25 x^5 + 124 x^4 - 283 x^3 + 376 x^2 - 283 x + 91}$$

Sequence: A224460
Score: 8.90748
Type of gen. func.: ogf

$$-\frac{25 x^4 - 99 x^3 + 184 x^2 - 192 x + 91}{(x - 1)^5}$$

Sequence: A224461
Score: 7.13269
Type of gen. func.: ogf

$$\frac{9800 x^3 + 3430 x^2 - 14609 x - 1636}{(x - 1) (4 x - 1)^2 (2 x - 1)^2}$$

Sequence: A224462
Score: 3.90666

Type of gen. func.: ogf

$$-\frac{2\,(32480\,x^5 - 267848\,x^4 - 872548\,x^3 + 183400\,x^2 + 91016\,x + 2575)}{(x - 1)\,(4\,x - 1)^3\,(2\,x - 1)^3}$$

Sequence: A224463
Score: 5.42537
Type of gen. func.: ogf

$$\frac{4864\,x^4 + 559488\,x^3 + 244408\,x^2 - 213214\,x - 11095}{(x - 1)\,(4\,x - 1)^2\,(2\,x - 1)^2}$$

Sequence: A224464
Score: 3.55212
Type of gen. func.: ogf

$$-(54272\,x^6 + 32361728\,x^5 + 55017216\,x^4 - 51514000\,x^3 + 21980\,x^2 + 4207656\,x + 70159) \Big/ \left((x - 1)\,(4\,x - 1)^3\,(2\,x - 1)^3\right)$$

Sequence: A224465
Score: 5.81453
Type of gen. func.: ogf

$$-\frac{4\,(120384\,x^4 - 177552\,x^3 + 99736\,x^2 - 23998\,x + 2085)}{(x - 1)\,(4\,x - 1)^2\,(2\,x - 1)^2}$$

Sequence: A224466
Score: 4.35168
Type of gen. func.: ogf

$$-2\,(6302848\,x^6 - 14317312\,x^5 + 12903624\,x^4 - 6179084\,x^3 + 1659682\,x^2 - 234335\,x + 13590) \Big/ \left((x - 1)\,(4\,x - 1)^3\,(2\,x - 1)^3\right)$$

Sequence: A224482
Score: 9.11217
Type of gen. func.: ogf

$$\frac{15 x^7 + 13 x^6 + 12 x^5 + 11 x^4 + 6 x^3 + 5 x^2 + 3 x - 2}{3 x - 1}$$

Sequence: A224483
Score: 6.19835
Type of gen. func.: ogf

$$- \frac{29 (931 x^{16} - 1766 x^{15} + 841 x^{14} + 211 x^2 - 416 x + 211)}{(x - 1)^3}$$

Sequence: A224500
Score: 3.87843
Type of gen. func.: ogf

$\{(4 n + 12) a(n + 1) + (-8 n - 27) a(n + 2) + (4 n + 16) a(n + 3) - a(n + 4),$

$a(0) = 1, a(1) = 4, a(2) = 21, a(3) = 184\}$

Sequence: A224508
Score: 13.0987
Type of gen. func.: ogf

$$- \frac{x (3 x + 1)}{(2 x + 1) (x^2 + x - 1)}$$

Sequence: A224508
Score: 6.60728
Type of gen. func.: ogf

$$-(47 f(x) + 39) (2 f(x) x^3 + 3 f(x) x^2 - f(x) x + 3 x^2 - f(x) + x)$$

Sequence: A224508
Score: 6.72634
Type of gen. func.: ogf

$$\{-a(n+3) - a(n+2) + 3\,a(n+1) + 2\,a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 2\}$$

Sequence: A224508
Score: 9.95499
Type of gen. func.: lgdogf

$$-\frac{12\,x^3 + 15\,x^2 + 6\,x + 2}{6\,x^4 + 11\,x^3 - 4\,x - 1}$$

Sequence: A224509
Score: 4.41035
Type of gen. func.: ogf

$$-(88\,f(x) + 5)\,(f(x)\,x^5 - 15\,f(x)\,x^4 + 35\,f(x)\,x^3 - 28\,f(x)\,x^2 - 6\,x^3 + 9\,f(x)\,x + 11\,x^2 - f(x) - 6\,x + 1)$$

Sequence: A224509
Score: 8.12694
Type of gen. func.: ogf

$$\frac{(2\,x - 1)\,(3\,x - 1)\,(x - 1)}{x^5 - 15\,x^4 + 35\,x^3 - 28\,x^2 + 9\,x - 1}$$

Sequence: A224514
Score: 4.39843
Type of gen. func.: ogf

$$f(x)\,(f(x)\,x^5 - 15\,f(x)\,x^4 + 35\,f(x)\,x^3 + 3\,x^4 - 28\,f(x)\,x^2 - 13\,x^3 + 9\,f(x)\,x + 16\,x^2 - f(x) - 7\,x + 1)$$

Sequence: A224520
Score: 11.3261
Type of gen. func.: ogf

$$\frac{x}{(2x-1)(x-1)(x^4+1)}$$

Sequence: A224521
Score: 11.3864
Type of gen. func.: ogf

$$\frac{x}{(x-1)(2x-1)(x+1)(x^4-x^3+x^2-x+1)}$$

Sequence: A224535
Score: 13.7160
Type of gen. func.: lgdogf

$$-\frac{-15x+19}{-2x^3-9x^2+26x-15}$$

Sequence: A224535
Score: 14.9629
Type of gen. func.: ogf

$$-\frac{2x^2+11x-15}{(x-1)^2}$$

Sequence: A224535
Score: 7.83773
Type of gen. func.: ogf

$$\{-a(n+3)+2a(n+2)-a(n+1), a(0)=15, a(1)=19, a(2)=21\}$$

Sequence: A224535
Score: 8.48416
Type of gen. func.: ogf

$$(4 f(x) + 301) (f(x) x^2 - 2 f(x) x + 2 x^2 + f(x) + 11 x - 15)$$

Sequence: A224541
Score: 7.17331
Type of gen. func.: ogf

$$- \frac{6 (12 x^3 - 40 x^2 + 45 x - 15)}{(2 x - 1)^2 (3 x - 1) (x - 1)^3}$$

Sequence: A224544
Score: 7.77980
Type of gen. func.: ogf

$$- \frac{11 x^4 - 22 x^3 - 4 x^2 + 32 x - 16}{(x^2 + x - 1) (x - 1)^3}$$

Sequence: A224545
Score: 6.89407
Type of gen. func.: ogf

$$\frac{x^5 - 25 x^4 + 45 x^3 + 10 x^2 - 60 x + 28}{(x^2 + x - 1) (x - 1)^3}$$

Sequence: A224546
Score: 6.99302
Type of gen. func.: ogf

$$\frac{3 x^5 - 47 x^4 + 78 x^3 + 21 x^2 - 106 x + 48}{(x^2 + x - 1) (x - 1)^3}$$

Sequence: A224547
Score: 6.64267

Type of gen. func.: ogf

$$\frac{6 x^5 - 80 x^4 + 127 x^3 + 45 x^2 - 183 x + 80}{(x^2 + x - 1) (x - 1)^3}$$

Sequence: A224548
Score: 6.61925
Type of gen. func.: ogf

$$\frac{10 x^5 - 129 x^4 + 198 x^3 + 90 x^2 - 310 x + 132}{(x^2 + x - 1) (x - 1)^3}$$

Sequence: A224549
Score: 6.62204
Type of gen. func.: ogf

$$\frac{15 x^5 - 202 x^4 + 303 x^3 + 172 x^2 - 519 x + 216}{(x^2 + x - 1) (x - 1)^3}$$

Sequence: A224552
Score: 6.16189
Type of gen. func.: ogf

$$\frac{7 x^6 - 39 x^5 + 4 x^4 + 57 x^3 - 53 x^2 + 80 x - 50}{(x^2 + 1) (x^2 + x - 1) (x - 1)^2}$$

Sequence: A224553
Score: 5.06878
Type of gen. func.: ogf

$$\frac{4 x^8 + 6 x^7 - 74 x^6 + 70 x^5 + 14 x^4 + 33 x^3 - 9 x^2 - 116 x + 70}{(x + 1) (x^3 + x - 1) (x - 1)^3}$$

Sequence: A224554
Score: 5.34064
Type of gen. func.: ogf

$$\frac{5 x^{7} + 20 x^{6} - 156 x^{5} + 267 x^{4} - 257 x^{3} + 326 x^{2} - 319 x + 113}{(x^{3} + x - 1) (x - 1)^{3}}$$

Sequence: A224555
Score: 5.36620
Type of gen. func.: ogf

$$\frac{4 x^{7} + 55 x^{6} - 283 x^{5} + 449 x^{4} - 450 x^{3} + 566 x^{2} - 514 x + 172}{(x^{3} + x - 1) (x - 1)^{3}}$$

Sequence: A224556
Score: 5.14342
Type of gen. func.: ogf

$$\frac{5 x^{7} + 98 x^{6} - 455 x^{5} + 702 x^{4} - 724 x^{3} + 914 x^{2} - 806 x + 263}{(x^{3} + x - 1) (x - 1)^{3}}$$

Sequence: A224557
Score: 5.03693
Type of gen. func.: ogf

$$\frac{4 x^{7} + 184 x^{6} - 767 x^{5} + 1159 x^{4} - 1237 x^{3} + 1555 x^{2} - 1321 x + 418}{(x^{3} + x - 1) (x - 1)^{3}}$$

Sequence: A224558
Score: 5.05051
Type of gen. func.: ogf

$$5 x^{7} + 332 x^{6} - 1299 x^{5} + 1928 x^{4} - 2124 x^{3} + 2666 x^{2} - 2184 x + 669$$

$^{3} \qquad ^{3}$

$$(x + x - 1) (x - 1)$$

Sequence: A224561
Score: 4.05649
Type of gen. func.: ogf

$$(13 x^9 + 168 x^8 - 597 x^7 + 628 x^6 - 614 x^5 + 513 x^4 + 139 x^3 - 758 x^2 + 986 x - 452) / ((x + 1) (x^2 - x + 1) (x^3 + x - 1) (x - 1)^2)$$

Sequence: A224563
Score: 4.47556
Type of gen. func.: ogf

$$(40 x^9 + 167 x^8 - 753 x^7 + 387 x^6 + 855 x^5 - 1323 x^4 + 967 x^3 + 254 x^2 - 1108 x + 512) / ((x + 1) (x^4 + x - 1) (x - 1)^3)$$

Sequence: A224564
Score: 3.80176
Type of gen. func.: ogf

$$(28 x^{10} + 314 x^9 - 1413 x^8 + 2176 x^7 - 1880 x^6 + 242 x^5 + 2554 x^4 - 4057 x^3 + 3734 x^2 - 2439 x + 739) / ((x^2 + 1) (x^4 + x - 1) (x - 1)^3)$$

Sequence: A224565
Score: 4.45960
Type of gen. func.: ogf

$$(35 x^9 + 517 x^8 - 1569 x^7 + 506 x^6 + 2015 x^5 - 2891 x^4 + 1879 x^3 + 875 x^2 - 2359 x + 990) / ((x + 1) (x^4 + x - 1) (x - 1)^3)$$

Sequence: A224567

Score: 4.32781
Type of gen. func.: ogf

$$(36 x^9 + 1045 x^8 - 2921 x^7 + 833 x^6 + 3865 x^5 - 5541 x^4 + 3529 x^3 + 1804 x^2 - 4512 x + 1852) \Big/ ((x + 1) (x^4 + x - 1) (x - 1)^3)$$

Sequence: A224599
Score: 5.56360
Type of gen. func.: ogf

$$\frac{36 x^6 - 115 x^5 - 37 x^4 + 185 x^3 - 129 x^2 + 188 x - 122}{(x^2 + 1) (x^2 + x - 1) (x - 1)^2}$$

Sequence: A224600
Score: 4.72256
Type of gen. func.: ogf

$$\frac{4 x^8 + 18 x^7 - 207 x^6 + 179 x^5 + 119 x^4 + 58 x^3 - 89 x^2 - 262 x + 178}{(x + 1) (x^3 + x - 1) (x - 1)^3}$$

Sequence: A224601
Score: 5.07304
Type of gen. func.: ogf

$$\frac{5 x^7 + 60 x^6 - 433 x^5 + 723 x^4 - 616 x^3 + 780 x^2 - 817 x + 297}{(x^3 + x - 1) (x - 1)^3}$$

Sequence: A224602
Score: 4.89566
Type of gen. func.: ogf

$$\frac{4 x^7 + 128 x^6 - 688 x^5 + 1087 x^4 - 1004 x^3 + 1271 x^2 - 1215 x + 416}{(x^3 + x - 1) (x - 1)^3}$$

Sequence: A224603
Score: 4.90980
Type of gen. func.: ogf

$$\frac{5x^7 + 203x^6 - 1037x^5 + 1632x^4 - 1582x^3 + 2030x^2 - 1882x + 628}{(x^3 + x - 1)(x - 1)^3}$$

Sequence: A224604
Score: 5.01934
Type of gen. func.: ogf

$$\frac{4x^7 + 414x^6 - 1851x^5 + 2847x^4 - 2958x^3 + 3780x^2 - 3286x + 1045}{(x^3 + x - 1)(x - 1)^3}$$

Sequence: A224605
Score: 4.80759
Type of gen. func.: ogf

$$\frac{5x^7 + 796x^6 - 3239x^5 + 4864x^4 - 5307x^3 + 6735x^2 - 5555x + 1694}{(x^3 + x - 1)(x - 1)^3}$$

Sequence: A224644
Score: 3.59718
Type of gen. func.: ogf

$$-\frac{64(324x^7 - 270x^6 - 27x^5 - 144x^4 + 111x^3 + 6x^2 + 12x - 8)}{(3x - 1)(x - 1)(9x^3 - 1)(3x^3 - 1)}$$

Sequence: A224666
Score: 11.1556
Type of gen. func.: lgdogf

$$-26x^2 + 74x - 54$$

$$-\frac{}{-26 x^{3} + 89 x^{2} - 102 x + 39}$$

Sequence: A224666
Score: 12.3570
Type of gen. func.: ogf

$$-\frac{2 (26 x^{2} - 63 x + 39)}{(x - 1)^{3}}$$

Sequence: A224666
Score: 6.74963
Type of gen. func.: ogf

$$(186 f(x) + 877) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 52 x^{2} - f(x) - 126 x + 78)$$

Sequence: A224666
Score: 6.86500
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 78, a(1) = 108, a(2) = 142\}$$

Sequence: A224667
Score: 11.1452
Type of gen. func.: lgdogf

$$-\frac{-35 x^{2} + 94 x - 65}{-35 x^{3} + 117 x^{2} - 131 x + 49}$$

Sequence: A224667
Score: 12.1433
Type of gen. func.: ogf

$$-\frac{4 (35 x^{2} - 82 x + 49)}{(x - 1)^{3}}$$

Sequence: A224667
Score: 6.66886
Type of gen. func.: ogf

$$(89 f(x) + 11365)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 140 x^2 - f(x) - 328 x + 196)$$

Sequence: A224667
Score: 6.89492
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 196, a(1) = 260, a(2) = 332\}$$

Sequence: A224668
Score: 10.0933
Type of gen. func.: lgdogf

$$- \frac{-163 x^2 + 416 x - 271}{-163 x^3 + 534 x^2 - 585 x + 214}$$

Sequence: A224668
Score: 11.7504
Type of gen. func.: ogf

$$- \frac{2 (163 x^2 - 371 x + 214)}{(x - 1)^3}$$

Sequence: A224668
Score: 6.24823
Type of gen. func.: ogf

$$(5770 f(x) + 2499943)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 326 x^2 - f(x) - 742 x + 428)$$

Sequence: A224668
Score: 6.67184
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 428, a(1) = 542, a(2) = 668\}$$

Sequence: A224669
Score: 13.9748
Type of gen. func.: ogf

$$-\frac{9 x^2 - x - 12}{(x - 1) (x^2 + x - 1)}$$

Sequence: A224669
Score: 7.32661
Type of gen. func.: lgdogf

$$-\frac{-9 x^4 + 2 x^3 + 18 x^2 + 18 x - 25}{-9 x^5 + x^4 + 30 x^3 - 11 x^2 - 23 x + 12}$$

Sequence: A224669
Score: 7.39844
Type of gen. func.: ogf

$$(7841 f(x) + 321909) (f(x) x^3 - 2 f(x) x + 9 x^2 + f(x) - x - 12)$$

Sequence: A224669
Score: 7.77980
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n), a(0) = 12, a(1) = 25, a(2) = 41\}$$

Sequence: A224670
Score: 7.53372
Type of gen. func.: ogf

$$-\frac{21 x^4 - 44 x^3 - x^2 + 50 x - 25}{(x^2 + x - 1) (x - 1)^3}$$

Sequence: A224671
Score: 7.05962
Type of gen. func.: ogf

$$\frac{x^5 - 41 x^4 + 77 x^3 + 9 x^2 - 88 x + 41}{(x^2 + x - 1) (x - 1)^3}$$

Sequence: A224672
Score: 6.64267
Type of gen. func.: ogf

$$\frac{3 x^5 - 72 x^4 + 125 x^3 + 28 x^2 - 157 x + 70}{(x^2 + x - 1) (x - 1)^3}$$

Sequence: A224673
Score: 6.64792
Type of gen. func.: ogf

$$\frac{6 x^5 - 118 x^4 + 193 x^3 + 68 x^2 - 269 x + 115}{(x^2 + x - 1) (x - 1)^3}$$

Sequence: A224674
Score: 6.62204
Type of gen. func.: ogf

$$\frac{10 x^5 - 187 x^4 + 292 x^3 + 143 x^2 - 456 x + 189}{(x^2 + x - 1) (x - 1)^3}$$

Sequence: A224675
Score: 6.37741
Type of gen. func.: ogf

$$\frac{15 x^5 - 291 x^4 + 438 x^3 + 277 x^2 - 762 x + 308}{(x^2 + x - 1) (x - 1)^3}$$

Sequence: A224692
Score: 12.7404
Type of gen. func.: ogf

$$- \frac{x^3 - 7 x^2 - 5 x - 1}{(x - 1) (x + 1) (2 x^2 - 1)}$$

Sequence: A224692
Score: 7.7395
Type of gen. func.: ogf

$$-(20 f(x) + 11) (2 f(x) x^4 - 3 f(x) x^2 + x^3 - 7 x^2 + f(x) - 5 x - 1)$$

Sequence: A224721
Score: 3.64539
Type of gen. func.: ogf

$$(4 x^{10} + 115 x^9 + 1110 x^8 - 3203 x^7 + 3158 x^6 - 3494 x^5 + 2523 x^4 + 1090 x^3 - 3758 x^2 + 4533 x - 2052) / ((x + 1) (x^2 - x + 1) (x^3 + x - 1) (x - 1)^2)$$

Sequence: A224723
Score: 4.02267
Type of gen. func.: ogf

$$(52 x^9 + 815 x^8 - 3457 x^7 + 1601 x^6 + 4172 x^5 - 5445 x^4 + 4154 x^3 + 555 x^2 - 4920 x + 2471) / ((x + 1) (x^4 + x - 1) (x - 1)^3)$$

Sequence: A224725
Score: 3.95488
Type of gen. func.: ogf

$$(47 x^9 + 2104 x^8 - 6522 x^7 + 2077 x^6 + 8480 x^5 - 11361 x^4 + 7644 x^3 + 2920 x^2 - 9648 x + 4257) / ((x + 1) (x^4 + x - 1) (x - 1)^3)$$

Sequence: A224727
Score: 3.92456
Type of gen. func.: ogf

$$(48 x^9 + 3637 x^8 - 11795 x^7 + 4385 x^6 + 15216 x^5 - 21787 x^4 + 15168 x^3 + 5641 x^2 - 18640 x + 8117) / ((x + 1) (x^4 + x - 1) (x - 1)^3)$$

Sequence: A224738
Score: 6.85208
Type of gen. func.: ogf

$$- \frac{16 x^4 - 49 x^3 + 5 x^2 + 42 x - 16}{(x - 1) (2 x - 1) (x + 1) (x^2 - 3 x + 1)}$$

Sequence: A224739
Score: 4.18622
Type of gen. func.: ogf

$$- \frac{504 x^6 - 1083 x^5 + 153 x^4 + 727 x^3 - 233 x^2 - 114 x + 38}{(x - 1) (4 x^2 + x - 1) (3 x^2 - 5 x + 1) (3 x^2 - 1)}$$

Sequence: A224747
Score: 6.02509
Type of gen. func.: ogf

$$-f(x)^2 x^3 - 2 f(x)^2 x^2 - f(x)^2 x + 2 f(x) x^2 + f(x)^2 + 3 f(x) x - 2 f(x) - 2 x + 1$$

Sequence: A224749
Score: 13.8317
Type of gen. func.: ogf

$$-\frac{x}{6 x^5 + 6 x^4 + 6 x^3 + 6 x^2 + 3 x - 1}$$

Sequence: A224749
Score: 8.43735
Type of gen. func.: lgdogf

$$-\frac{-30 x^4 - 24 x^3 - 18 x^2 - 12 x - 3}{-6 x^5 - 6 x^4 - 6 x^3 - 6 x^2 - 3 x + 1}$$

Sequence: A224773
Score: 5.95005
Type of gen. func.: ogf

$$-(2 x^{24} - 2 x^{23} + 2 x^{18} - 2 x^{17} + 2 x^{14} - 2 x^{13} + 2 x^9 - 2 x^8 + 2 x^4 - 2 x^3 + 4 x^2 + x - 7) \Big/ (x - 1)^2$$

Sequence: A224779
Score: 10.8175
Type of gen. func.: ogf

$$-\frac{x^6 + 2 x^4 - x^3 - x^2 - 3 x - 2}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A224783

Score: 10.3268
Type of gen. func.: ogf

$$\frac{4 x^5 - 9 x^3 - x^2 + 2 x + 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A224785
Score: 12.6250
Type of gen. func.: ogf

$$- \frac{x^3 - 8 x^2 - 4 x - 1}{(x - 1) (x + 1) (3 x^2 - 1)}$$

Sequence: A224785
Score: 7.6694
Type of gen. func.: ogf

$$-(60 f(x) + 29) (3 f(x) x^4 - 4 f(x) x^2 + x^3 - 8 x^2 + f(x) - 4 x - 1)$$

Sequence: A224790
Score: 14.0425
Type of gen. func.: ogf

$$- \frac{75 x - 11}{(9 x - 1) (x - 1)}$$

Sequence: A224790
Score: 7.02125
Type of gen. func.: ogf

$$-(152 f(x) - 447) (9 f(x) x^2 - 10 f(x) x + f(x) + 75 x - 11)$$

Sequence: A224790
Score: 7.92987
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 9 a(n), a(0) = 11, a(1) = 35\}$$

Sequence: A224790
Score: 8.86893
Type of gen. func.: lgdogf

$$-\frac{-675 x^2 + 198 x - 35}{-675 x^3 + 849 x^2 - 185 x + 11}$$

Sequence: A224808
Score: 7.99924
Type of gen. func.: ogf

$$-\frac{x^8 + x^5 - 1}{(x^4 + x - 1) (x^{12} + x^8 - x^6 - x^4 - 1)}$$

Sequence: A224809
Score: 8.57331
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^2 + x + 1)}{(x^3 + x - 1) (x^6 - x^4 - 1)}$$

Sequence: A224811
Score: 6.61413
Type of gen. func.: ogf

$$- (x^{15} - x^{10} - x^7 - x^5 + 1) / ((x - 1) (x + 1) (x^2 - x + 1) (x^3 + x^2 - 1) (x^6 - x^2 - 1) (x^{12} + x^{10} + x^8 + 2 x^6 + x^4 + 1))$$

Sequence: A224821
Score: 9.08084
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3x^5-4x^4-2x^3-6x^2-2x-4}{x^6-1}$$

Sequence: A224822
Score: 8.46822
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3x^5-2x^4-x^3-6x^2-x-2}{x^6-1}$$

Sequence: A224823
Score: 15.6909
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3x^2-2x+2}{-x^3-1}$$

Sequence: A224825
Score: 13.4524
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3x^2-x+1}{-x^3-1}$$

Sequence: A224829
Score: 6.41977
Type of gen. func.: ogf

$$\frac{x^{10}+3x^9+6x^8+9x^7+9x^6+9x^5+9x^4+9x^3+9x^2+9x+8}{(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x-1)^2}$$

Sequence: A224831

Score: 9.68005
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3x^4 - x^2 - 2x - 3}{x^5 + x^4 + x^3 + x^2 + x + 1}$$

Sequence: A224833
Score: 10.2879
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3x^3 + 2x^2 - 3x + 5}{-x^4 + x^3 - x + 1}$$

Sequence: A224868
Score: 10.5149
Type of gen. func.: ogf

$$-\frac{4x^3 - 2x^2 + 3x - 7}{(x - 1)(x^3 + x - 1)}$$

Sequence: A224868
Score: 5.62255
Type of gen. func.: ogf

$$-(15 f(x) - 131)$$

$$(f(x) x^4 - f(x) x^3 + f(x) x^2 + 4 x^3 - 2 f(x) x - 2 x^2 + f(x) + 3 x - 7)$$

Sequence: A224869
Score: 4.22010
Type of gen. func.: ogf

$$\{(-n^2 - 7 n - 12) a(n + 1) + (n^2 + 8 n + 16) a(n + 2) + (-3 - n) a(n + 3),$$

$$a(0) = -1, a(1) = 0, a(2) = 3\}$$

Sequence: A224881
Score: 23.7592
Type of gen. func.: lgdogf

$$\frac{2}{-16 x + 1}$$

Sequence: A224881
Score: 6.50017
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (18 + 16 n) a(n + 1), a(0) = 1, a(1) = 2}

Sequence: A224881
Score: 61.5486
Type of gen. func.: lgdogf

$$\frac{2}{-16 x + 1}$$

Sequence: A224882
Score: 22.6246
Type of gen. func.: lgdogf

$$\frac{2}{-32 x + 1}$$

Sequence: A224882
Score: 58.5957
Type of gen. func.: lgdogf

$$\frac{2}{-32 x + 1}$$

Sequence: A224882
Score: 6.18975
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (34 + 32 n) a(n + 1), a(0) = 1, a(1) = 2}

Sequence: A224884
Score: 13.3671
Type of gen. func.: revogf

$$\frac{x\,2^{1/2}}{(1 + (1 + 16 x)^{1/2})^{1/2}}$$

Sequence: A224884
Score: 20.5926
Type of gen. func.: ogf

$$4 x + f(x) - f(x)^3$$

Sequence: A224884
Score: 5.56149
Type of gen. func.: ogf

$$\{(-108 n^2 - 216 n - 96) a(n + 1) + (n^2 + 5 n + 6) a(n + 3), a(0) = 1, a(1) = 2, a(2) = -6\}$$

Sequence: A224900
Score: 6.20808
Type of gen. func.: ogf

$$\{(-n^3 - 8 n^2 - 21 n - 18) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A224916
Score: 15.1250
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x + 2}{x^3 - x^2 + x - 1}$$

Sequence: A224986
Score: 3.65058
Type of gen. func.: ogf

$$(f(x)\,x - f(x) + 1)^2$$

Sequence: A224992
Score: 5.19743
Type of gen. func.: ogf

$$\{-a(n + 4) + 20\,a(n + 3) - 108\,a(n + 2) + 144\,a(n + 1),\ a(0) = 1,\ a(1) = 3,\ a(2) = 18,\ a(3) = 144\}$$

Sequence: A224992
Score: 5.55451
Type of gen. func.: ogf

$$-(3\,f(x) + 4)\,(144\,f(x)\,x^3 - 108\,f(x)\,x^2 - 36\,x^3 + 20\,f(x)\,x + 66\,x^2 - f(x) - 17\,x + 1)$$

Sequence: A224992
Score: 9.44987
Type of gen. func.: ogf

$$\frac{36\,x^3 - 66\,x^2 + 17\,x - 1}{(12\,x - 1)\,(6\,x - 1)\,(2\,x - 1)}$$

Sequence: A224993
Score: 4.7111
Type of gen. func.: ogf

$$-2880\,f(x)\,x^4 + 2304\,f(x)\,x^3 + 576\,x^4 - 508\,f(x)\,x^2 - 1200\,x^3 + 40\,f(x)\,x + 380\,x^2 - f(x) - 36\,x + 1$$

Sequence: A224993
Score: 6.46623
Type of gen. func.: ogf

$$\frac{576 x^4 - 1200 x^3 + 380 x^2 - 36 x + 1}{(12 x - 1) (6 x - 1) (20 x - 1) (2 x - 1)}$$

Sequence: A224998
Score: 6.47877
Type of gen. func.: ogf

$$\frac{x^{12} - x^{11} + 7 x^9 - 6 x^8 + x^7 + x^6 + x^5 + x^3 + x^2 - 6 x + 7}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A224999
Score: 13.6099
Type of gen. func.: ogf

$$(5 f(x) + 43) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - x - 1)$$

Sequence: A224999
Score: 13.6099
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A224999
Score: 21.1710
Type of gen. func.: lgdogf

$$- \frac{x^3 + 3 x^2 + 6 x + 2}{x^4 + x^3 - x - 1}$$

Sequence: A224999
Score: 24.9887
Type of gen. func.: ogf

$$x^2 + x + 1$$

```
                                ----------------
                                               2
                                (x + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A224999
Score: 60.8392
Type of gen. func.: ogf_with_Euler_transform]


                                    2
                                  -x  + x + 2



------------------------------------------------------------------------------

Sequence:  A225000
Score: 14.0106
Type of gen. func.: ogf


                              3         2             2
      -(95 f(x) - 489) (f(x) x  - f(x) x  - f(x) x - x  + f(x) - 2 x - 2)



------------------------------------------------------------------------------

Sequence:  A225000
Score: 14.7612
Type of gen. func.: ogf


     {a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 4, a(2) = 7}



------------------------------------------------------------------------------

Sequence:  A225000
Score: 20.4106
Type of gen. func.: lgdogf


                                3      2
                              -x  - 5 x  - 10 x - 4
                          - -------------------------
                              4      3    2
                            -x  - 2 x  - x  + 2 x + 2



------------------------------------------------------------------------------

Sequence:  A225000
Score: 27.1026
Type of gen. func.: ogf


                                   2
                                  x  + 2 x + 2
                                ----------------
                                               2
                                (x + 1) (x - 1)
```

Sequence: A225001
Score: 9.69552
Type of gen. func.: ogf

$$\frac{4 x^5 - 3 x^4 + x^3 + x^2 - 2 x + 4}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A225002
Score: 11.9156
Type of gen. func.: ogf

$$\frac{x^3 + 2 x^2 + 3 x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A225002
Score: 4.95286
Type of gen. func.: ogf

$\{(-7 n - 25) a(n + 1) - 7 a(n + 2) - 7 a(n + 3) + (7 n + 18) a(n + 4), a(0) = 1,$

$a(1) = 4, a(2) = 6, a(3) = 8\}$

Sequence: A225002
Score: 6.68435
Type of gen. func.: ogf

$$-(7 f(x) + 5) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 2 x^2 + f(x) - 3 x - 1)$$

Sequence: A225003
Score: 8.58277
Type of gen. func.: ogf

$$\frac{23 x^6 - 22 x^5 + x^4 + 2 x^3 + x^2 - 21 x + 23}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A225006
Score: 4.42889
Type of gen. func.: ogf

$$-27 f(x)^3 x^3 + 112 f(x)^3 x^2 - 124 f(x)^3 x - 54 f(x)^2 x^2 + 16 f(x)^3 + 116 f(x)^2 x - 16 f(x)^2 - 25 f(x) x + x$$

Sequence: A225007
Score: 6.33394
Type of gen. func.: ogf

$$-\frac{x^5 - 6 x^4 + 15 x^3 - 20 x^2 + 10 x - 16}{(x - 1)^6}$$

Sequence: A225008
Score: 5.31679
Type of gen. func.: ogf

$$-\frac{x^6 - 7 x^5 + 21 x^4 - 35 x^3 + 36 x^2 - 6 x + 22}{(x - 1)^7}$$

Sequence: A225009
Score: 4.56179
Type of gen. func.: ogf

$$-\frac{x^7 - 8 x^6 + 28 x^5 - 56 x^4 + 70 x^3 - 63 x^2 - 7 x - 29}{(x - 1)^8}$$

Sequence: A225011
Score: 4.25735
Type of gen. func.: ogf

$$-\frac{(x^4 - 3 x^3 + 4 x^2 - 2 x + 1) (x^4 - 5 x^3 + 10 x^2 - 10 x + 5)}{(x - 1)^9}$$

Sequence: A225018
Score: 6.26785
Type of gen. func.: ogf

$$\frac{x^6 + 12 x^5 + 64 x^4 + 93 x^3 + 88 x^2 + 27 x + 3}{(x + 1)^3 (x - 1)^4}$$

Sequence: A225029
Score: 4.97141
Type of gen. func.: ogf

$$-(48753 f(x) - 262) (f(x) x^4 - 74 f(x) x^3 + 59 f(x) x^2 + x^3 - 14 f(x) x - 22 x^2 + f(x) + 10 x - 1)$$

Sequence: A225029
Score: 9.21528
Type of gen. func.: ogf

$$-\frac{x^3 - 22 x^2 + 10 x - 1}{x^4 - 74 x^3 + 59 x^2 - 14 x + 1}$$

Sequence: A225030
Score: 6.55297
Type of gen. func.: ogf

$$-\frac{x^4 - 224 x^3 + 122 x^2 - 20 x + 1}{x^5 - 973 x^4 + 782 x^3 - 218 x^2 + 25 x - 1}$$

Sequence: A225031
Score: 5.65081
Type of gen. func.: ogf

$$x^5 - 4035 x^4 + 2233 x^3 - 433 x^2 + 35 x - 1$$

$$- \frac{}{x^6 - 21721 x^5 + 16398 x^4 - 4701 x^3 + 638 x^2 - 41 x + 1}$$

Sequence: A225032
Score: 4.28480
Type of gen. func.: ogf

$$- \frac{x^6 - 113540 x^5 + 60675 x^4 - 12364 x^3 + 1203 x^2 - 56 x + 1}{x^7 - 727767 x^6 + 509549 x^5 - 142915 x^4 + 20515 x^3 - 1589 x^2 + 63 x - 1}$$

Sequence: A225034
Score: 3.95451
Type of gen. func.: ogf

$$\{(3 n^2 + 3 n) a(n) + (5 n^2 + 21 n + 16) a(n + 1) + (n^2 + 11 n + 24) a(n + 2)$$

$$+ (-n^2 - 7 n - 12) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 7\}$$

Sequence: A225034
Score: 7.72421
Type of gen. func.: ogf

$$3 f(x)^2 x^2 - f(x)^2 x + 3 f(x) x^2 + 2 f(x) x + x^2 - f(x) + 2 x + 1$$

Sequence: A225055
Score: 8.63516
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 - x + 1) (4 x^2 + 2 x + 1)}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A225058
Score: 8.36561
Type of gen. func.: ogf

7   6   5   4   3   2

$$\frac{x + x + 3 x + 2 x + 3 x + x + x - 1}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A225107
Score: 10.1160
Type of gen. func.: lgdogf

$$- \frac{-80 x^2 + 40 x - 8}{-80 x^3 + 68 x^2 - 16 x + 1}$$

Sequence: A225107
Score: 14.5418
Type of gen. func.: ogf

$$- \frac{3 (4 x - 1)}{(10 x - 1) (2 x - 1)}$$

Sequence: A225107
Score: 7.34743
Type of gen. func.: ogf

$$-(281 f(x) - 75) (20 f(x) x^2 - 12 f(x) x + f(x) + 12 x - 3)$$

Sequence: A225107
Score: 8.21182
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1) + 20 a(n), a(0) = 3, a(1) = 24\}$$

Sequence: A225108
Score: 3.98524
Type of gen. func.: egf]

$$\frac{x^{10} - 7 x^9 - 4 x^8 + 7 x^7 + 7 x^6 + x^5 - 10 x^4 - 10 x^3 - 3 x^2 + 4}{26 x^{10} + 5 x^9 - 28 x^8 - 16 x^7 - 9 x^6 + 22 x^5 + 10 x^4 - 3 x^2 - 8 x + 4}$$

Sequence: A225126
Score: 10.0912
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 9 x^2 + 4 x + 4}{-x^5 + 5 x^3 + x^2 - 4 x - 1}$$

Sequence: A225126
Score: 13.2344
Type of gen. func.: ogf

$$-\frac{x (x^3 - 4 x - 1)}{(x + 1)^2 (x - 1)^2}$$

Sequence: A225126
Score: 7.54487
Type of gen. func.: ogf

$$-(1120 f(x) + 2133) (f(x) x^4 + x^4 - 2 f(x) x^2 - 4 x^2 + f(x) - x)$$

Sequence: A225144
Score: 10.3728
Type of gen. func.: ogf

$$-\frac{x (3 x + 1) (3 x^2 + 2 x + 3)}{(x - 1)^3 (x + 1)^3}$$

Sequence: A225144
Score: 7.93217
Type of gen. func.: lgdogf

$$-\frac{-27 x^4 - 36 x^3 - 82 x^2 - 36 x - 11}{-9 x^5 - 9 x^4 - 2 x^3 + 6 x^2 + 11 x + 3}$$

Sequence: A225170
Score: 12.6846
Type of gen. func.: revegf]

$$x + 1/2 - 1/2 \exp(x)$$

Sequence: A225196
Score: 12.7959
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^5 - x^4 - x^3 - x^2 - x - 1}{-x + 1}$$

Sequence: A225197
Score: 11.5616
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^6 - x^5 - x^4 - x^3 - x^2 - x - 1}{-x + 1}$$

Sequence: A225209
Score: 3.01768
Type of gen. func.: ogf

$$(1254121940957139 f(x) + 8840504803053776) (512 f(x) x^4 - 736 f(x) x^3 + 252 f(x) x^2 - 512 x^3 - 29 f(x) x - 1568 x^2 + f(x) - 220 x - 1)$$

Sequence: A225209
Score: 6.00220
Type of gen. func.: ogf

$$\frac{512 x^3 + 1568 x^2 + 220 x + 1}{(x - 1) (4 x - 1) (8 x - 1) (16 x - 1)}$$

Sequence: A225231
Score: 7.14532
Type of gen. func.: ogf

$$\frac{3 x^6 - 7 x^5 + 3 x^4 + 4 x^3 - 11 x^2 + 11 x - 9}{(x^2 + 1) (x - 1)^3}$$

Sequence: A225232
Score: 11.1585
Type of gen. func.: lgdogf

$$- \frac{-4 x^3 + 10 x^2 + 4 x + 2}{-x^4 + 2 x^3 + 2 x^2 - 2 x - 1}$$

Sequence: A225232
Score: 13.9052
Type of gen. func.: ogf

$$\frac{2 (x^2 - 2 x - 1)}{(x - 1)^3 (x + 1)^3}$$

Sequence: A225240
Score: 4.27591
Type of gen. func.: ogf

$$\frac{2 x^4 + x + 1}{(x^4 + 1) (x - 1)^2}$$

Sequence: A225296
Score: 6.37773
Type of gen. func.: ogf

$$- (1344 x^{21} - 1204 x^{20} - 96 x^{19} + 18 x^{18} - 43 x^{17} + x^{15} - 20 x^{14} + 168 x^2$$

$$/ \qquad {}^{2}$$

$$- 152 x - 24) / (x - 1) /$$

Sequence: A225311
Score: 5.81722
Type of gen. func.: ogf

$$- \frac{x^9 - x^8 - 2 x^7 - x^6 - 4 x^5 - 5 x^4 - 8 x^3 - 7 x^2 - 5 x - 2}{(x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A225367
Score: 10.9791
Type of gen. func.: lgdogf

$$- \frac{6 x^2 + 12 x + 2}{-9 x^4 + 6 x^3 + 12 x^2 - 2 x - 3}$$

Sequence: A225367
Score: 15.3294
Type of gen. func.: ogf

$$-3 f(x) x^2 + 3 x^2 + f(x) - 2 x - 3$$

Sequence: A225367
Score: 16.5808
Type of gen. func.: ogf

$$\frac{3 x^2 - 2 x - 3}{3 x^2 - 1}$$

Sequence: A225367
Score: 9.67211
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 1), a(0) = 3, a(1) = 2, a(2) = 6\}$$

Sequence: A225374
Score: 12.1862
Type of gen. func.: ogf

$$\{a(n + 1) - 111 a(n), a(0) = 1\}$$

Sequence: A225374
Score: 15.3036
Type of gen. func.: ogf

$$-111 f(x) x + f(x) - 1$$

Sequence: A225374
Score: 20.5642
Type of gen. func.: lgdogf

$$\frac{111}{-111 x + 1}$$

Sequence: A225374
Score: 28.6111
Type of gen. func.: ogf

$$-\frac{1}{111 x - 1}$$

Sequence: A225391
Score: 16.2991
Type of gen. func.: ogf

$$\frac{1}{x^{8} - x^{6} - x^{2} - x + 1}$$

Sequence: A225391
Score: 9.98320
Type of gen. func.: lgdogf

$$-\frac{-8x^{7}+6x^{5}+2x+1}{-x^{8}+x^{6}+x^{2}+x-1}$$

Sequence: A225393
Score: 17.6246
Type of gen. func.: ogf

$$-\frac{1}{x^{8}-x^{6}+x^{2}+x-1}$$

Sequence: A225393
Score: 9.91386
Type of gen. func.: lgdogf

$$-\frac{8x^{7}-6x^{5}+2x+1}{x^{8}-x^{6}+x^{2}+x-1}$$

Sequence: A225394
Score: 16.2612
Type of gen. func.: ogf

$$-\frac{1}{x^{9}-x^{7}+x^{2}+x-1}$$

Sequence: A225394
Score: 9.95998
Type of gen. func.: lgdogf

$$-\frac{-9x^{8}+7x^{6}-2x-1}{-x^{9}+x^{7}-x^{2}-x+1}$$

Sequence: A225396
Score: 17.2671
Type of gen. func.: ogf

$$-\frac{1}{x^{12}-x^{10}+x^{2}+x-1}$$

Sequence: A225396
Score: 9.54769
Type of gen. func.: lgdogf

$$-\frac{12\,x^{11}-10\,x^{9}+2\,x+1}{x^{12}-x^{10}+x^{2}+x-1}$$

Sequence: A225439
Score: 3.87164
Type of gen. func.: ogf

$$\{(-81\,n^{2}-81\,n-18)\,a(n)+(18\,n^{2}+36\,n+18)\,a(n+1)$$

$$+(-n^{2}-3\,n-2)\,a(n+2),\ a(0)=1,\ a(1)=3,\ a(2)=21\}$$

Sequence: A225439
Score: 4.23921
Type of gen. func.: ogf

$$-81\,f(x)^{3}\,x^{2}+18\,f(x)^{3}\,x+81\,f(x)^{2}\,x^{2}-f(x)^{3}-18\,f(x)^{2}\,x-27\,f(x)\,x^{2}$$

$$+f(x)^{2}+3\,f(x)\,x+3\,x^{2}$$

Sequence: A225482
Score: 12.2769
Type of gen. func.: ogf

$$\frac{1}{x^{8}-x^{5}-x^{4}-x^{3}+1}$$

Sequence: A225484

Score: 11.4854
Type of gen. func.: ogf

$$\frac{1}{(x+1)(x^{8}-x^{7}+x^{6}-2x^{5}+x^{4}-2x^{3}+x^{2}-x+1)}$$

Sequence: A225486
Score: 4.58315
Type of gen. func.: ogf

$$-\frac{x(x^{12}+x^{5}+x^{2}+x+2)}{x-1}$$

Sequence: A225490
Score: 11.3763
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(x^{6}-x^{4}-x^{3}-x^{2}+1)}$$

Sequence: A225491
Score: 4.58315
Type of gen. func.: ogf

$$-\frac{x(x^{12}+x^{5}+x^{2}+x+4)}{x-1}$$

Sequence: A225499
Score: 8.41084
Type of gen. func.: ogf

$$\frac{1}{x^{12}-x^{11}+x^{10}-x^{9}-x^{6}-x^{3}+x^{2}-x+1}$$

Sequence: A225500
Score: 10.4532

Type of gen. func.: ogf

$$\frac{1}{x^{12} - x^{11} - x^{7} + x^{6} - x^{5} - x + 1}$$

Sequence: A225501
Score: 10.0337
Type of gen. func.: ogf

$$\frac{1}{x^{12} - x^{8} - x^{7} - x^{6} - x^{5} - x^{4} + 1}$$

Sequence: A225539
Score: 12.0515
Type of gen. func.: ogf

$$\frac{(x + 5)\,(2 x + 1)}{(x + 1)\,(x - 1)^{2}}$$

Sequence: A225539
Score: 6.17518
Type of gen. func.: ogf

$$-(508 f(x) - 5105)\,(f(x)\, x^{3} - f(x)\, x^{2} - f(x)\, x - 2 x^{2} + f(x) - 11 x - 5)$$

Sequence: A225539
Score: 6.55435
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n),\ a(0) = 5,\ a(1) = 16,\ a(2) = 23\}$$

Sequence: A225539
Score: 8.79054
Type of gen. func.: lgdogf

$$-\frac{-2 x^{3} - 24 x^{2} - 30 x - 16}{}$$

$$-2 x^4 - 11 x^3 - 3 x^2 + 11 x + 5$$

Sequence: A225543
Score: 12.3567
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{12 x^3 - 4 x^2 + 20 x - 4}{-x^4 + 1}$$

Sequence: A225551
Score: 4.03376
Type of gen. func.: ogf

$$\frac{x^8 - x^7 + x^5 - x^4 - 2 x^3 + x^2 + 3 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A225553
Score: 4.48045
Type of gen. func.: ogf

$$-\frac{x (x^9 - x^8 + x^4 - x - 1)}{(x + 1) (x - 1)^2}$$

Sequence: A225564
Score: 13.1561
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-8 x^3 - 2 x^2 - 2}{x^4 - 1}$$

Sequence: A225566
Score: 13.6014
Type of gen. func.: ogf

$$\frac{2}{(x^2 + x + 1)^2 (x - 1)^4}$$

Sequence: A225566
Score: 21.1867
Type of gen. func.: lgdogf

$$-\frac{-8 x^2 - 2 x - 2}{-x^3 + 1}$$

Sequence: A225566
Score: 43.8912
Type of gen. func.: ogf_with_Euler_transform]

$$[2 x^2 + 2]$$

Sequence: A225566
Score: 6.67703
Type of gen. func.: ogf

{(-n - 4) a(n + 4) + 2 a(n + 3) + 2 a(n + 2) + (9 + n) a(n + 1), a(0) = 2,

a(1) = 4, a(2) = 6, a(3) = 12}

Sequence: A225605
Score: 13.0071
Type of gen. func.: ogf

$$-\frac{3 x^3 + 2 x^2 + x - 5}{(x - 1) (x^3 + x^2 + x - 1)}$$

Sequence: A225605
Score: 7.4852
Type of gen. func.: ogf

4   3   2

$$-(6 f(x) - 23) (f(x) x + 3 x - 2 f(x) x + 2 x + f(x) + x - 5)$$

Sequence: A225658
Score: 10.0312
Type of gen. func.: lgdegf]

$$-\frac{-x^2 + 4 x - 21}{-x^3 + 4 x^2 - 11 x + 8}$$

Sequence: A225658
Score: 10.8534
Type of gen. func.: egf]

$$-\frac{x^2 - 3 x + 8}{(x - 1)^3}$$

Sequence: A225658
Score: 5.51714
Type of gen. func.: egf]

$$(29916 f(x) - 163423) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) - 3 x + 8)$$

Sequence: A225683
Score: 9.85827
Type of gen. func.: ogf

$$-\frac{49 x^{18} - 48 x^{17} + 10 x^{16} - 4 x^{15} - 4 x^{14} - 3 x^{12} + 8 x^2 - 8 x - 1}{(x - 1)^2}$$

Sequence: A225685
Score: 5.59017
Type of gen. func.: ogf

$$- (5 x^2 + 1) (2 x^2 + 1) (3 x^2 + 1) (4 x^2 + 1) (x^2 + 1) \bigg/ (120 x^{11} - 120 x^{10}$$

$$+ 548 x^9 - 274 x^8 + 675 x^7 - 225 x^6 + 340 x^5 - 85 x^4 + 75 x^3 - 15 x^2 + 6 x - 1)$$

Sequence: A225690
Score: 9.21217
Type of gen. func.: ogf

$$\frac{2 x^6 - 2 x^5 - 3 x^4 - x^3 - 2 x^2 + 2 x - 1}{(x - 1)^3}$$

Sequence: A225691
Score: 7.64504
Type of gen. func.: ogf

$$\frac{10 x^9 - 20 x^8 + 12 x^6 + 8 x^5 + 3 x^4 - x^3 + 4 x^2 - 3 x + 1}{(x - 1)^4}$$

Sequence: A225773
Score: 4.02198
Type of gen. func.: ogf

$$\frac{x^5 + x^4 + 2}{(x^4 + 1) (x - 1)^2}$$

Sequence: A225785
Score: 7.06170
Type of gen. func.: ogf

$$- \frac{12 x (x^2 + 6 x + 1)}{(x - 1) (x^2 + 18 x + 1) (x^2 - 18 x + 1)}$$

Sequence: A225786

Score: 4.44592
Type of gen. func.: ogf

$$\{a(n + 3) - 323 a(n + 2) + 323 a(n + 1) - a(n), a(0) = 0, a(1) = 48, a(2) = 15552\}$$

Sequence: A225786
Score: 4.67991
Type of gen. func.: ogf

$$(27 f(x) + 4) (f(x) x^3 - 323 f(x) x^2 + 323 f(x) x + 48 x^2 - f(x) + 48 x)$$

Sequence: A225786
Score: 6.50622
Type of gen. func.: lgdogf

$$- \frac{-2 x^3 + 320 x^2 + 646 x - 324}{-x^4 + 322 x^3 - 322 x + 1}$$

Sequence: A225786
Score: 8.46841
Type of gen. func.: ogf

$$- \frac{48 x (x + 1)}{(x - 1) (x^2 - 322 x + 1)}$$

Sequence: A225793
Score: 5.32491
Type of gen. func.: ogf

$$- (x^{13} + x^{12} + x^{11} + x^{10} - x^9 - x^8 - x^7 - x^6 - x^5 - 2 x^4 - 2 x^3 - 2 x^2 - 2 x - 2) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A225799
Score: 11.4039

Type of gen. func.: ogf

$$-109 f(x) x^2 - 13 f(x) x + f(x) - 11 x$$

Sequence: A225799
Score: 13.3045
Type of gen. func.: lgdogf

$$-\frac{-218 x - 13}{-109 x^2 - 13 x + 1}$$

Sequence: A225799
Score: 17.5230
Type of gen. func.: ogf

$$-\frac{11 x}{109 x^2 + 13 x - 1}$$

Sequence: A225799
Score: 8.45227
Type of gen. func.: ogf

$$\{-a(n + 2) + 13 a(n + 1) + 109 a(n), a(0) = 0, a(1) = 11\}$$

Sequence: A225810
Score: 4.73422
Type of gen. func.: ogf

$$(146544673 f(x) - 24592713)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 1410 x^2 - f(x) - 525 x + 6)$$

Sequence: A225810
Score: 5.22267
Type of gen. func.: ogf

$$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 6, a(1) = 141,$$
$$a(2) = 10401\}$$

Sequence: A225810
Score: 8.89265
Type of gen. func.: ogf

$$-\frac{3\,(470\,x^2 - 175\,x + 2)}{(x - 1)\,(100\,x - 1)\,(10\,x - 1)}$$

Sequence: A225813
Score: 4.66707
Type of gen. func.: ogf

$$-(26031577\,f(x) + 4150323)$$

$$(1000\,f(x)\,x^3 - 1110\,f(x)\,x^2 + 111\,f(x)\,x + 1710\,x^2 - f(x) - 828\,x + 9)$$

Sequence: A225813
Score: 5.22267
Type of gen. func.: ogf

$$\{-a(n + 3) + 111\,a(n + 2) - 1110\,a(n + 1) + 1000\,a(n),\ a(0) = 9,\ a(1) = 171,$$

$$a(2) = 10701\}$$

Sequence: A225813
Score: 8.89265
Type of gen. func.: ogf

$$-\frac{9\,(190\,x^2 - 92\,x + 1)}{(x - 1)\,(100\,x - 1)\,(10\,x - 1)}$$

Sequence: A225826
Score: 10.8507
Type of gen. func.: ogf

$$-\frac{9\,x^2 + x - 1}{(2\,x + 1)\,(2\,x - 1)\,(4\,x - 1)}$$

Sequence: A225826
Score: 5.5143
Type of gen. func.: ogf

$$-(1116 f(x) - 2887) (16 f(x) x^3 - 4 f(x) x^2 - 4 f(x) x + 9 x^2 + f(x) + x - 1)$$

Sequence: A225826
Score: 5.95350
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) - 4 a(n + 1) + 16 a(n), a(0) = 1, a(1) = 3, a(2) = 7\}$$

Sequence: A225827
Score: 4.50133
Type of gen. func.: ogf

$$-(522620 f(x) - 3592331) (256 f(x) x^4 - 96 f(x) x^3 - 24 f(x) x^2 + 120 x^3 + 12 f(x) x - 24 x^2 - f(x) - 6 x + 1)$$

Sequence: A225827
Score: 8.47308
Type of gen. func.: ogf

$$-\frac{120 x^3 - 24 x^2 - 6 x + 1}{(8 x - 1) (4 x - 1) (8 x^2 - 1)}$$

Sequence: A225828
Score: 11.3122
Type of gen. func.: ogf

$$-\frac{100 x^2 + 6 x - 1}{(4 x - 1) (4 x + 1) (16 x - 1)}$$

Sequence: A225828

Score: 6.01524
Type of gen. func.: ogf

$$(61500 f(x) + 134329) (256 f(x) x^3 - 16 f(x) x^2 - 16 f(x) x + 100 x^2 + f(x) + 6 x - 1)$$

Sequence: A225828
Score: 6.42305
Type of gen. func.: lgdogf

$$-\frac{-25600 x^4 - 3072 x^3 - 736 x^2 + 168 x - 10}{-25600 x^5 + 64 x^4 + 1952 x^3 - 20 x^2 - 22 x + 1}$$

Sequence: A225828
Score: 6.42305
Type of gen. func.: ogf

$$\{-a(n + 3) + 16 a(n + 2) + 16 a(n + 1) - 256 a(n), a(0) = 1, a(1) = 10, a(2) = 76\}$$

Sequence: A225829
Score: 4.14342
Type of gen. func.: ogf

$$(16347508380 f(x) - 137531453951) (8192 f(x) x^4 - 1280 f(x) x^3 - 224 f(x) x^2 + 2880 x^3 + 40 f(x) x - 288 x^2 - f(x) - 20 x + 1)$$

Sequence: A225829
Score: 7.79143
Type of gen. func.: ogf

$$-\frac{2880 x^3 - 288 x^2 - 20 x + 1}{(8 x - 1) (32 x - 1) (32 x^2 - 1)}$$

Sequence: A225830
Score: 12.3047
Type of gen. func.: ogf

$$-\frac{1296 x^2 + 28 x - 1}{(8 x - 1) (8 x + 1) (64 x - 1)}$$

Sequence: A225830
Score: 6.47617
Type of gen. func.: ogf

$$(3703644 f(x) + 32519129)$$

$$(4096 f(x) x^3 - 64 f(x) x^2 - 64 f(x) x + 1296 x^2 + f(x) + 28 x - 1)$$

Sequence: A225830
Score: 6.52523
Type of gen. func.: lgdogf

$$-\frac{-5308416 x^4 - 229376 x^3 - 68864 x^2 + 2464 x - 36}{-5308416 x^5 - 31744 x^4 + 88832 x^3 + 432 x^2 - 92 x + 1}$$

Sequence: A225830
Score: 7.11843
Type of gen. func.: ogf

$\{-a(n + 3) + 64 a(n + 2) + 64 a(n + 1) - 4096 a(n), a(0) = 1, a(1) = 36,$

$a(2) = 1072\}$

Sequence: A225831
Score: 10.0141
Type of gen. func.: ogf

$$-\frac{78336 x^3 - 4224 x^2 - 72 x + 1}{(16 x - 1) (128 x - 1) (128 x^2 - 1)}$$

Sequence: A225831
Score: 5.16353
Type of gen. func.: ogf

$$-(304829103970748 f(x) - 2977895721936287) (262144 f(x) x^4 - 18432 f(x) x^3 - 1920 f(x) x^2 + 78336 x^3 + 144 f(x) x - 4224 x^2 - f(x) - 72 x + 1)$$

Sequence: A225832
Score: 3.70292
Type of gen. func.: ogf

$$(222662940 f(x) + 6447305113) (65536 f(x) x^3 - 256 f(x) x^2 - 256 f(x) x + 18496 x^2 + f(x) + 120 x - 1)$$

Sequence: A225832
Score: 4.17313
Type of gen. func.: ogf

$$\{-a(n + 3) + 256 a(n + 2) + 256 a(n + 1) - 65536 a(n), a(0) = 1, a(1) = 136, a(2) = 16576\}$$

Sequence: A225832
Score: 7.01087
Type of gen. func.: ogf

$$-\frac{18496 x^2 + 120 x - 1}{(1 + 16 x) (256 x - 1) (16 x - 1)}$$

Sequence: A225833
Score: 4.54786
Type of gen. func.: ogf

$$-\frac{2297856 x^3 - 66048 x^2 - 272 x + 1}{(512 x - 1) (32 x - 1) (512 x^2 - 1)}$$

Sequence: A225834
Score: 4.23554
Type of gen. func.: ogf

$$(13627968156 f(x) + 1376751340313) (1048576 f(x) x^3 - 1024 f(x) x^2 - 1024 f(x) x + 278784 x^2 + f(x) + 496 x - 1)$$

Sequence: A225834
Score: 4.91452
Type of gen. func.: ogf

$$\{-a(n + 3) + 1024 a(n + 2) + 1024 a(n + 1) - 1048576 a(n), a(0) = 1, a(1) = 528, a(2) = 262912\}$$

Sequence: A225834
Score: 8.04752
Type of gen. func.: ogf

$$-\frac{278784 x^2 + 496 x - 1}{(32 x + 1) (32 x - 1) (1024 x - 1)}$$

Sequence: A225839
Score: 6.61098
Type of gen. func.: ogf

$$-\frac{378 x (x^2 + 46 x + 1)}{(x - 1) (x^2 - 322 x + 1) (x^2 + 322 x + 1)}$$

Sequence: A225853
Score: 13.5258
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^2 + 3 x - 2}{-x^4 + 1}$$

Sequence: A225869
Score: 5.47357
Type of gen. func.: ogf

$$-\left(x^{16}+x^{13}+3x^{12}+x^{10}+x^{9}+x^{8}+x^{7}+2x^{5}+2x^{4}+2x+2\right) \Big/ \left((x-1)\left(x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1\right)\right)$$

Sequence: A225872
Score: 12.5462
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-12x^{3}-4x^{2}-4x-4}{x^{4}-1}$$

Sequence: A225875
Score: 13.0993
Type of gen. func.: ogf

$$\frac{x^{5}+x^{3}+x+1}{\left(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1\right)(x-1)^{2}}$$

Sequence: A225879
Score: 12.6250
Type of gen. func.: ogf

$$\frac{(x-1)\left(4x^{2}+2x+1\right)}{2x^{6}+7x^{3}-1}$$

Sequence: A225883
Score: 12.5637
Type of gen. func.: ogf

$$2 f(x) x^2 + 3 f(x) x + f(x) - x$$

Sequence: A225883
Score: 15.4429
Type of gen. func.: lgdogf

$$- \frac{-4 x - 3}{-2 x^2 - 3 x - 1}$$

Sequence: A225883
Score: 20.0341
Type of gen. func.: ogf

$$\frac{x}{(x + 1) (2 x + 1)}$$

Sequence: A225883
Score: 9.15136
Type of gen. func.: ogf

$$\{-a(n + 2) - 3 a(n + 1) - 2 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A225887
Score: 14.3012
Type of gen. func.: revogf

$$- \frac{x^2 + x}{-6 x^2 - 5 x - 1}$$

Sequence: A225887
Score: 3.64541
Type of gen. func.: ogf

$$\{(6 n + 12) a(n + 1) + (-37 n - 128) a(n + 2) + (12 n + 51) a(n + 3)$$
$$+ (-n - 5) a(n + 4), a(0) = 1, a(1) = 4, a(2) = 18, a(3) = 86\}$$

Sequence: A225887
Score: 9.65798
Type of gen. func.: ogf

$$-6 f(x)^2 x^2 + f(x)^2 x - 5 f(x) x + f(x) - 1$$

Sequence: A225894
Score: 7.40059
Type of gen. func.: lgdogf

$$-\frac{-2 x^4 + 6 x^3 - 18 x^2 + 6 x - 12}{-2 x^5 + 9 x^4 - 20 x^3 + 21 x^2 - 12 x + 4}$$

Sequence: A225894
Score: 7.78604
Type of gen. func.: ogf

$$-\frac{2 x^4 - 7 x^3 + 13 x^2 - 8 x + 4}{(x - 1)^5}$$

Sequence: A225895
Score: 3.88126
Type of gen. func.: ogf

$$-\frac{3 x^8 - 23 x^7 + 82 x^6 - 162 x^5 + 195 x^4 - 160 x^3 + 100 x^2 - 30 x + 7}{(x - 1)^9}$$

Sequence: A225912
Score: 12.3465
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-12 x^3 - 8 x^2 - 8 x - 8}{x^4 - 1}$$

Sequence: A225915
Score: 12.9410
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{16 x - 16}{-x^{3} - x^{2} - x - 1}$$

Sequence: A225918
Score: 4.12910
Type of gen. func.: ogf

$$\frac{2 x^{4} + 3 x^{3} + 5 x^{2} + 6 x + 1}{(x - 1) (x^{4} + x^{3} + 2 x^{2} + 2 x - 1)}$$

Sequence: A225919
Score: 4.77539
Type of gen. func.: ogf

$$\frac{5 x^{3} + 7 x + 1}{(x - 1) (2 x^{3} - x^{2} + 3 x - 1)}$$

Sequence: A225919
Score: 5.75345
Type of gen. func.: ogf

$$-(959 f(x) - 20115)$$

$$(2 f(x) x^{4} - 3 f(x) x^{3} + 4 f(x) x^{2} - 5 x^{3} - 4 f(x) x + f(x) - 7 x - 1)$$

Sequence: A225928
Score: 5.06927
Type of gen. func.: ogf

$$(31035 f(x) + 2460292)$$

$$(64 f(x) x^{3} - 84 f(x) x^{2} + 21 f(x) x + 1232 x^{2} - f(x) - 496 x + 29)$$

Sequence: A225928
Score: 5.44631
Type of gen. func.: ogf

{-a(n + 3) + 21 a(n + 2) - 84 a(n + 1) + 64 a(n), a(0) = 29, a(1) = 113,

a(2) = 1169}

Sequence: A225928
Score: 9.41434
Type of gen. func.: ogf

$$-\frac{1232 x^2 - 496 x + 29}{(x - 1) (4 x - 1) (16 x - 1)}$$

Sequence: A225972
Score: 8.26380
Type of gen. func.: ogf

$$\frac{x^2 (2 x^3 + x^2 + 4 x + 1)}{(x + 1)^2 (x - 1)^4}$$

Sequence: A225972
Score: 9.27382
Type of gen. func.: lgdogf

$$-\frac{-6 x^4 - 8 x^3 - 28 x^2 - 16 x - 6}{-2 x^5 - x^4 - 2 x^3 + 4 x + 1}$$

Sequence: A225975
Score: 4.15035
Type of gen. func.: ogf

$$x (2 x^{14} + 2 x^{13} + 6 x^{12} + x^{11} + 10 x^{10} + 6 x^9 + 14 x^8 + 4 x^7 + 14 x^6 + 6 x^5$$

$$+ 10 x^4 + x^3 + 6 x^2 + 2 x + 2) / ((x - 1)^2 (x + 1)^2 (x^2 + 1)^2 (x^4 + 1)^2)$$

/

Sequence: A225976
Score: 6.67824
Type of gen. func.: ogf

$$\frac{x^5 + 2 x^4 - 5 x^3 + 18 x^2 - 9 x + 4}{(x - 1)^6}$$

Sequence: A225984
Score: 9.60406
Type of gen. func.: ogf

$$-\frac{2 x^3 - 3 x^2 + 4 x + 5}{x^5 - x^3 + x^2 - x - 1}$$

Sequence: A226022
Score: 12.6999
Type of gen. func.: ogf

$$x^3 - 1 + f(x) - f(x)^2 x$$

Sequence: A226023
Score: 5.90939
Type of gen. func.: ogf

$$\frac{x (x^5 - x^4 - 2 x^3 - 3 x^2 - x - 2)}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A226033
Score: 7.97205
Type of gen. func.: ogf

$$x (x^{17} + x^{14} + x^{11} + x^9 + x^6 + x^3 + 1) / ((x^{18} + x^{17} + x^{16} + x^{15} + x^{14} + x^{13}$$

```
        12    11    10    9    8    7    6    5    4    3    2
     + x   + x   + x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1)

           2
    (x - 1) )
```

Sequence: A226044
Score: 6.65242
Type of gen. func.: ogf

```
                 7       6       5      4       3       2
             64 x  + 16 x  + 64 x  + 4 x  + 64 x  + 16 x  + 64 x + 1
           - -------------------------------------------------------
                                          2        4
                        (x - 1) (x + 1) (x  + 1) (x  + 1)
```

Sequence: A226046
Score: 9.09163
Type of gen. func.: ogf

```
    27    22    20    13        /
x (x   - x   + x   + x   + 1)  /  ((x + 1)
                              /

      10    9    8    7    6    5    4    3    2
    (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1)

      10    9    8    7    6    5    4    3    2                 2
    (x   - x  + x  - x  + x  - x  + x  - x  + x  - x + 1) (x - 1) )
```

Sequence: A226076
Score: 7.81209
Type of gen. func.: ogf

```
             8        7       6       5       4       3      2
         33 x  + 112 x  + 80 x  + 28 x  + 20 x  + 12 x  + 9 x  + 4 x + 1
       - ---------------------------------------------------------------
                                          3
                                     4 x  - 1
```

Sequence: A226088
Score: 6.43776
Type of gen. func.: ogf_with_Euler_transform]

```
                               5    3    2
                           -2 x  + x  + x  + 2 x + 1
```

Sequence: A226089
Score: 5.10391
Type of gen. func.: ogf

$$-\frac{x^8 - 2x^7 + 4x^6 - 6x^5 + 7x^4 - 3x^3 + 2x^2 + x + 2}{(x-1)^3 (x^2+1)^3}$$

Sequence: A226096
Score: 5.75905
Type of gen. func.: ogf

$$-\frac{(x+1)(x^8 + 2x^7 - 2x^6 + 7x^5 + 7x^3 - 2x^2 + 2x + 1)}{(x^4 + x^3 + x^2 + x + 1)^2 (x-1)^3}$$

Sequence: A226097
Score: 8.27953
Type of gen. func.: ogf

$$-\frac{1681x^4 + 82x^3 - 3104x^2 - 74x + 1447}{(x+1)^2 (x-1)^3}$$

Sequence: A226107
Score: 6.47174
Type of gen. func.: ogf

$$\frac{x^2 (2x^3 + x^2 + x + 1)}{(x^2+1)(x+1)^2 (x-1)^2}$$

Sequence: A226122
Score: 21.1291
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + 3x^2 - 2x + 2$$

Sequence: A226122
Score: 8.64360
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1)(x + 1)^3}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A226122
Score: 9.09262
Type of gen. func.: lgdogf

$$-\frac{-x^5 - 2x^4 + 2x^3 - 11x^2 + 2x - 2}{-x^6 + 1}$$

Sequence: A226132
Score: 7.23311
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4x^7 + x^6 - 3x^5 - 2x^4 + 2x^3 + 2x^2 + 3x - 1}{-x^8 - x^4 - 1}$$

Sequence: A226136
Score: 7.66478
Type of gen. func.: ogf

$$-\frac{(x + 1)(x^2 + 1)^2}{x^3 + x - 1}$$

Sequence: A226137
Score: 4.02139
Type of gen. func.: ogf

$$(x^{20} - 5x^{16} - x^{15} - x^{14} + 10x^{12} + 4x^{11} + 3x^{10} + x^9 - 8x^8 - 6x^7 - 5x^6$$

```
          5    4      3      2              /                    2
```

$$- 3 x + x + 4 x + 3 x + 2 x + 1) / ((x - 1) (x + 1) (x + 1)$$

$$(x^{12} - 3 x^{8} + 4 x^{4} - 1))$$

Sequence: A226141
Score: 7.80251
Type of gen. func.: ogf

$$\frac{x (x^{4} + 3 x^{3} + 7 x^{2} + 3 x + 2)}{(x + 1)^{3} (x - 1)^{4}}$$

Sequence: A226141
Score: 8.16374
Type of gen. func.: lgdogf

$$- \frac{3 x^{5} + 13 x^{4} + 42 x^{3} + 34 x^{2} + 31 x + 5}{x^{6} + 3 x^{5} + 6 x^{4} - 5 x^{2} - 3 x - 2}$$

Sequence: A226179
Score: 11.2239
Type of gen. func.: ogf

$$- \frac{75 x^{8} - 59 x^{7} - 3 x^{6} - 13 x^{5} + 8 x^{4} - x^{3} - 7 x^{2} - 1}{(x - 1)^{2}}$$

Sequence: A226192
Score: 6.44251
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^{7} + x^{6} - 2 x^{5} + x^{4} + 4 x^{3} + x^{2} - 2 x + 1}{-x^{8} + 1}$$

Sequence: A226194

Score: 8.27143
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^7 - x^6 - x^4 - x^2 - 1}{x^8 - 1}$$

Sequence: A226199
Score: 10.4103
Type of gen. func.: ogf

$$\frac{(2x+1)(3x-1)}{(7x-1)(x-1)^2}$$

Sequence: A226199
Score: 5.29048
Type of gen. func.: ogf

$$(571572 f(x) + 257249)$$

$$(7 f(x) x^3 - 15 f(x) x^2 + 9 f(x) x - 6 x^2 - f(x) - x + 1)$$

Sequence: A226199
Score: 5.66174
Type of gen. func.: ogf

$$\{a(n+3) - 9 a(n+2) + 15 a(n+1) - 7 a(n), a(0) = 1, a(1) = 8, a(2) = 51\}$$

Sequence: A226199
Score: 7.59339
Type of gen. func.: lgdogf

$$-\frac{42x^3 + 56x^2 - 34x + 8}{42x^4 - 41x^3 - 9x^2 + 9x - 1}$$

Sequence: A226200
Score: 11.9351
Type of gen. func.: ogf

$$\frac{5 x^2 + x - 1}{(6 x - 1) (x - 1)^2}$$

Sequence: A226200
Score: 6.11551
Type of gen. func.: ogf

$$(157525 f(x) + 67289) (6 f(x) x^3 - 13 f(x) x^2 + 8 f(x) x - 5 x^2 - f(x) - x + 1)$$

Sequence: A226200
Score: 6.49102
Type of gen. func.: ogf

{a(n + 3) - 8 a(n + 2) + 13 a(n + 1) - 6 a(n), a(0) = 1, a(1) = 7, a(2) = 38}

Sequence: A226200
Score: 8.70560
Type of gen. func.: lgdogf

$$- \frac{30 x^3 + 42 x^2 - 29 x + 7}{30 x^4 - 29 x^3 - 8 x^2 + 8 x - 1}$$

Sequence: A226201
Score: 10.8733
Type of gen. func.: ogf

$$\frac{7 x^2 + x - 1}{(8 x - 1) (x - 1)^2}$$

Sequence: A226201
Score: 5.6149
Type of gen. func.: ogf

$$(187817 f(x) + 86719)$$

$$(8 f(x) x^3 - 17 f(x) x^2 + 10 f(x) x - 7 x^2 - f(x) - x + 1)$$

Sequence: A226201
Score: 5.95667
Type of gen. func.: ogf

$$\{a(n + 3) - 10 a(n + 2) + 17 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 9, a(2) = 66\}$$

Sequence: A226201
Score: 7.87376
Type of gen. func.: lgdogf

$$- \frac{56 x^3 + 72 x^2 - 39 x + 9}{56 x^4 - 55 x^3 - 10 x^2 + 10 x - 1}$$

Sequence: A226202
Score: 4.59332
Type of gen. func.: ogf

$$(4313152 f(x) + 2021255)$$

$$(9 f(x) x^3 - 19 f(x) x^2 + 11 f(x) x - 8 x^2 - f(x) - x + 1)$$

Sequence: A226202
Score: 4.94971
Type of gen. func.: ogf

$$\{a(n + 3) - 11 a(n + 2) + 19 a(n + 1) - 9 a(n), a(0) = 1, a(1) = 10, a(2) = 83\}$$

Sequence: A226202
Score: 6.52461
Type of gen. func.: lgdogf

$$- \frac{72 x^3 + 90 x^2 - 44 x + 10}{72 x^4 - 71 x^3 - 11 x^2 + 11 x - 1}$$

Sequence: A226202
Score: 9.11375
Type of gen. func.: ogf

$$\frac{8 x^2 + x - 1}{(9 x - 1) (x - 1)^2}$$

Sequence: A226203
Score: 9.21618
Type of gen. func.: ogf

$$\frac{x^5 + 2 x^3 + 2 x^2 - 4 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A226205
Score: 11.6150
Type of gen. func.: lgdogf

$$- \frac{x^3 - 3 x^2 + 6 x}{x^4 - 3 x^3 + 3 x - 1}$$

Sequence: A226205
Score: 12.9478
Type of gen. func.: ogf

$$\frac{(x - 1)^2}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A226205
Score: 6.69336
Type of gen. func.: ogf

$$-(637 f(x) + 92) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x - x^2 + f(x) + 2 x - 1)$$

Sequence: A226205
Score: 7.11548
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 1, a(1) = 0, a(2) = 3\}$$

Sequence: A226233
Score: 19.5121
Type of gen. func.: ogf

$$\frac{1}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A226233
Score: 39.8555
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + 1$$

Sequence: A226235
Score: 15.7064
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-12 x^4 - 12}{x^6 - 1}$$

Sequence: A226251
Score: 4.75098
Type of gen. func.: ogf

$$- \frac{7 x^9 + 4 x^8 + 3 x^7 + x^6 + 8 x^5 + 5 x^4 + 3 x^3 + 2 x^2 + x + 1}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A226252
Score: 37.6281
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{7}{-x-1}$$

Sequence: A226253
Score: 37.9129
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{9}{-x-1}$$

Sequence: A226254
Score: 36.5644
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{10}{-x-1}$$

Sequence: A226255
Score: 36.2129
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{11}{-x-1}$$

Sequence: A226262
Score: 4.52146
Type of gen. func.: ogf

$(13651 f(x) + 43008)$

$$(4194304 f(x) x^4 - 491520 f(x) x^3 + 17920 f(x) x^2 - 240 f(x) x + f(x) - 42)$$

Sequence: A226262
Score: 5.57388
Type of gen. func.: lgdogf

$$-\frac{16777216 x^3 - 1474560 x^2 + 35840 x - 240}{4194304 x^4 - 491520 x^3 + 17920 x^2 - 240 x + 1}$$

Sequence: A226262
Score: 9.65030
Type of gen. func.: ogf

$$\frac{42}{(16 x - 1) (128 x - 1) (32 x - 1) (64 x - 1)}$$

Sequence: A226264
Score: 11.6250
Type of gen. func.: lgdogf

$$-\frac{-4 x^2 + 12 x - 7}{-4 x^3 + 12 x^2 - 11 x + 3}$$

Sequence: A226264
Score: 16.5718
Type of gen. func.: ogf

$$-\frac{12 (2 x - 3)}{(2 x - 1) (x - 1)}$$

Sequence: A226264
Score: 8.46602
Type of gen. func.: ogf

$$(127 f(x) + 5032) (2 f(x) x^2 - 3 f(x) x + f(x) + 24 x - 36)$$

Sequence: A226264
Score: 9.27232
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 36, a(1) = 84\}$$

Sequence: A226265
Score: 11.1173
Type of gen. func.: lgdogf

$$-\frac{-4 x^2 + 12 x - 7}{-4 x^3 + 12 x^2 - 11 x + 3}$$

Sequence: A226265
Score: 11.1173
Type of gen. func.: ogf

$$-2 f(x) x^2 + 3 f(x) x - f(x) - 336 x + 504$$

Sequence: A226265
Score: 15.2012
Type of gen. func.: ogf

$$-\frac{168 (2 x - 3)}{(2 x - 1) (x - 1)}$$

Sequence: A226265
Score: 8.56161
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 504, a(1) = 1176\}$$

Sequence: A226268
Score: 8.49011
Type of gen. func.: ogf

$$-\frac{840}{(4 x - 1) (2 x - 1) (8 x - 1) (16 x - 1) (32 x - 1)}$$

Sequence: A226271
Score: 13.6332
Type of gen. func.: ogf

$$-\frac{2x^3+2x^2-2x-1}{(x-1)(x^2+x-1)}$$

Sequence: A226271
Score: 7.29498
Type of gen. func.: ogf

$$\{a(n+4)-2a(n+3)+a(n+1), a(0)=1, a(1)=4, a(2)=6, a(3)=9\}$$

Sequence: A226271
Score: 7.92027
Type of gen. func.: ogf

$$-(f(x)-1)(f(x)x^3+2x^3-2f(x)x+2x^2+f(x)-2x-1)$$

Sequence: A226271
Score: 8.31628
Type of gen. func.: lgdogf

$$-\frac{-2x^4-4x^3+5x^2+4x-4}{-2x^6-2x^5+6x^4+3x^3-6x^2+1}$$

Sequence: A226274
Score: 5.58432
Type of gen. func.: ogf

$$(f(x)+2)(f(x)x^4-4f(x)x^3+x^4+7f(x)x^2-4x^3-5f(x)x+7x^2$$

$$+f(x)-4x-1)$$

Sequence: A226274
Score: 9.52618
Type of gen. func.: ogf

$$-\frac{x^4-4x^3+7x^2-4x-1}{}$$

$$(x - 1) (x^3 - 3 x^2 + 4 x - 1)$$

Sequence: A226275
Score: 11.8832
Type of gen. func.: ogf

$$\frac{x^5 + x^3 - x^2 - x - 1}{x^3 + x - 1}$$

Sequence: A226275
Score: 7.59206
Type of gen. func.: lgdogf

$$- \frac{-2 x^7 - 4 x^5 + 4 x^4 - 4 x^3 + x^2 - 2 x - 2}{x^8 + 2 x^6 - 2 x^5 - 3 x^3 + 1}$$

Sequence: A226276
Score: 13.2925
Type of gen. func.: ogf

$$- \frac{4 (x^3 + x^2 + x + 2)}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A226276
Score: 9.12855
Type of gen. func.: ogf

$$(f(x) - 4) (f(x) x^4 + 4 x^3 + 4 x^2 - f(x) + 4 x + 8)$$

Sequence: A226279
Score: 9.74203
Type of gen. func.: ogf

$$x (3 x^3 - x^2 + x - 1)$$

$$\overline{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A226289
Score: 4.60669
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-2 x^9 + x^8 - x^5 - 3 x^3 + 2 x^2 - 1}{x^{10} - x^9 + x^7 - x^6 + x^4 - x^3 + x - 1}$$

Sequence: A226292
Score: 10.3838
Type of gen. func.: lgdogf

$$- \frac{-2 x^3 - 8 x^2 - 14 x - 6}{-x^4 - 2 x^3 - x^2 + 2 x + 2}$$

Sequence: A226292
Score: 13.7883
Type of gen. func.: ogf

$$- \frac{x^2 + 2 x + 2}{(x + 1) (x - 1)^3}$$

Sequence: A226292
Score: 7.12784
Type of gen. func.: ogf

$$(3175 f(x) - 17497) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x + x^2 - f(x) + 2 x + 2)$$

Sequence: A226293
Score: 8.86149
Type of gen. func.: ogf

6   5   4   3   2

$$\frac{6 x - x - x - x - x - x + 6}{(x^2 - x + 1) (x + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A226294
Score: 11.2924
Type of gen. func.: ogf

$$(39 f(x) - 202) (f(x) x^2 - f(x) + 4 x + 6)$$

Sequence: A226294
Score: 12.3510
Type of gen. func.: lgdogf

$$- \frac{2 x^2 + 6 x + 2}{2 x^3 + 3 x^2 - 2 x - 3}$$

Sequence: A226294
Score: 12.3510
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n), a(0) = 6, a(1) = 4\}$$

Sequence: A226294
Score: 19.2797
Type of gen. func.: ogf

$$- \frac{2 (2 x + 3)}{(x - 1) (x + 1)}$$

Sequence: A226302
Score: 7.84376
Type of gen. func.: lgdogf

$$- \frac{-8 x^4 - 12 x^3 + 2 x^2 + 2 x - 1}{-8 x^5 - 8 x^4 + 6 x^3 + 6 x^2 - x - 1}$$

Sequence: A226308
Score: 13.8134
Type of gen. func.: ogf

$$-\frac{2x^2 - x + 2}{(2x - 1)(x^2 + x + 1)}$$

Sequence: A226308
Score: 7.08082
Type of gen. func.: ogf

$$-(111 f(x) - 262) (2 f(x) x^3 + f(x) x^2 + f(x) x + 2 x^2 - f(x) - x + 2)$$

Sequence: A226308
Score: 7.52338
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - a(n + 1) - 2 a(n), a(0) = 2, a(1) = 1, a(2) = 5}

Sequence: A226308
Score: 9.57520
Type of gen. func.: lgdogf

$$-\frac{4x^4 - 4x^3 + 9x^2 + 8x + 1}{4x^5 + 5x^3 - x^2 + 3x - 2}$$

Sequence: A226309
Score: 13.0386
Type of gen. func.: ogf

$$-\frac{2x^3 + 2x^2 - x + 2}{(2x - 1)(x + 1)(x^2 + 1)}$$

Sequence: A226309
Score: 7.22283
Type of gen. func.: ogf

$$(69 f(x) - 50)$$

$$(2 f(x) x^4 + f(x) x^3 + f(x) x^2 + 2 x^3 + f(x) x + 2 x^2 - f(x) - x + 2)$$

Sequence: A226309
Score: 7.78271
Type of gen. func.: lgdogf

$$- \frac{-4 x^6 - 8 x^5 + 6 x^4 - 10 x^3 - 9 x^2 - 8 x - 1}{-4 x^7 - 6 x^6 - 2 x^5 - 7 x^4 - x^3 + x^2 - 3 x + 2}$$

Sequence: A226310
Score: 12.0686
Type of gen. func.: ogf

$$\frac{x (2 x^3 + x^2 - 1)}{(2 x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A226311
Score: 10.8345
Type of gen. func.: ogf

$$- \frac{2 x^4 + 2 x^3 + 2 x^2 - x + 2}{(2 x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A226315
Score: 13.0996
Type of gen. func.: ogf

$$- \frac{x^2 (8 x - 5)}{(x - 1) (2 x - 1)^3}$$

Sequence: A226315
Score: 13.2867
Type of gen. func.: lgdogf

$$-\frac{-48 x^2 + 72 x - 27}{-16 x^3 + 34 x^2 - 23 x + 5}$$

Sequence: A226315
Score: 5.22512
Type of gen. func.: ogf

$$\{(2 n^2 + 26 n + 44) a(n + 1) + (-3 n^2 - 37 n - 54) a(n + 2)$$

$$+ (n^2 + 11 n + 10) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 5\}$$

Sequence: A226315
Score: 6.69116
Type of gen. func.: ogf

$$-(234 f(x) - 125)$$

$$(8 f(x) x^4 - 20 f(x) x^3 + 18 f(x) x^2 + 8 x^3 - 7 f(x) x - 5 x^2 + f(x))$$

Sequence: A226316
Score: 7.91687
Type of gen. func.: ogf

$$4 f(x)^2 x^2 - 4 f(x)^2 x - 4 f(x) x^2 + 4 f(x) x + x^2 + f(x) - x - 1$$

Sequence: A226322
Score: 6.92496
Type of gen. func.: ogf

$$-\frac{x^6 + 2 x^2 - 1}{2 x^{12} + 4 x^{10} + 2 x^9 + 3 x^8 + x^6 - 4 x^4 - 6 x^3 - 5 x^2 + 1}$$

Sequence: A226328
Score: 9.41749
Type of gen. func.: ogf

$$\frac{2x^4 + 3x^2 - 3x + 1}{(x - 1)(x^2 + x + 1)(x^2 + x - 1)}$$

Sequence: A226348
Score: 5.36415
Type of gen. func.: ogf

$$-\frac{6x^5 + 5x^4 - 24x^3 + 10x + 1}{(x - 1)(6x^5 + 11x^4 - 15x^3 - 16x^2 - x + 1)}$$

Sequence: A226350
Score: 4.28431
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^{11} - x^{10} + x^9 + x^7 - x^6 + x^5 - x^4 + x^3 + x - 1}{-x^{12} + 1}$$

Sequence: A226351
Score: 6.05949
Type of gen. func.: ogf

$$-\frac{2x^4 + x^3 - 5x^2 - x + 1}{(x^2 - x - 1)(6x^4 + 7x^3 - 13x^2 - 5x + 1)}$$

Sequence: A226369
Score: 13.0885
Type of gen. func.: lgdogf

$$-12x^5 - 5x^4$$

$$- \frac{}{-2 x^{6} - x^{5} + 1}$$

Sequence: A226369
Score: 21.5783
Type of gen. func.: ogf

$$- \frac{1}{(x + 1) (2 x^{5} - x^{4} + x^{3} - x^{2} + x - 1)}$$

Sequence: A226370
Score: 16.2184
Type of gen. func.: ogf

$$- \frac{1}{x^{6} + 2 x^{4} + x^{3} + x^{2} - 1}$$

Sequence: A226370
Score: 9.03073
Type of gen. func.: lgdogf

$$- \frac{6 x^{5} + 8 x^{3} + 3 x^{2} + 2 x}{x^{6} + 2 x^{4} + x^{3} + x^{2} - 1}$$

Sequence: A226371
Score: 4.98078
Type of gen. func.: ogf

$$- \frac{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{6} + x^{3} - 1)}{x^{19} - x^{18} - x^{16} - x^{15} - 2 x^{13} - 7 x^{12} + x^{10} - 8 x^{9} + x^{7} + 9 x^{6} + x^{3} - 1}$$

Sequence: A226379
Score: 4.99043
Type of gen. func.: ogf

$$\frac{x (x^9 - x^8 + 3 x^7 + 12 x^6 - 17 x^5 - 3 x^4 - x^3 - 5 x^2 - 12 x + 15)}{(x^4 + x^3 + x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A226405
Score: 10.2122
Type of gen. func.: lgdogf

$$- \frac{6 x^3 - 3 x^2 + 4 x - 4}{x^4 - x^3 + x^2 - 2 x + 1}$$

Sequence: A226405
Score: 12.5688
Type of gen. func.: ogf

$$\frac{x}{(x^3 + x - 1) (x - 1)^3}$$

Sequence: A226416
Score: 4.11828
Type of gen. func.: ogf

$$- (x^{12} - x^{11} - x^{10} - 5 x^8 + 8 x^7 - 8 x^6 + 19 x^5 - 10 x^4 + 21 x^3 - 2 x^2 + 7 x + 2) / ((x^2 + 1)^2 (x + 1)^2 (x - 1)^5)$$

Sequence: A226430
Score: 7.91120
Type of gen. func.: ogf

$$\frac{3 x^6 + 8 x^5 - x^4 - 12 x^3 + 5 x^2 + 2 x - 1}{(2 x - 1) (x^2 + x - 1)^2}$$

Sequence: A226431

Score: 6.91029
Type of gen. func.: ogf

$$-\frac{x^5 - 9x^4 + 22x^3 - 19x^2 + 7x - 1}{(2x - 1)(x - 1)(x^2 - 3x + 1)^2}$$

Sequence: A226432
Score: 5.66421
Type of gen. func.: ogf

$$-(83 f(x) - 97)(f(x) x^4 - x^5 + 2 f(x) x^3 - 4x^4 - f(x) x^2 - 2x^3 - 2 f(x) x + 5x^2 + f(x) - 1)$$

Sequence: A226432
Score: 9.86464
Type of gen. func.: ogf

$$\frac{x^5 + 4x^4 + 2x^3 - 5x^2 + 1}{(x^2 + x - 1)^2}$$

Sequence: A226433
Score: 8.24002
Type of gen. func.: ogf

$$-\frac{x^5 - 8x^3 + 10x^2 - 5x + 1}{(2x - 1)(x^2 - 3x + 1)(x - 1)^2}$$

Sequence: A226447
Score: 13.5131
Type of gen. func.: ogf

$$-\frac{x^3 - x + 1}{(x^2 - x + 1)(x^2 - x - 1)}$$

Sequence: A226447
Score: 7.08348
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = -1, a(2) = 1, a(3) = -2\}$$

Sequence: A226447
Score: 7.84243
Type of gen. func.: lgdogf

$$-\frac{-x^6 + 4 x^4 - 8 x^3 + 4 x^2 - 2 x + 1}{-x^7 + 2 x^6 - 3 x^4 + 4 x^3 - x^2 - x + 1}$$

Sequence: A226447
Score: 7.91308
Type of gen. func.: ogf

$$(5 f(x) - 3) (f(x) x^4 - 2 f(x) x^3 + f(x) x^2 + x^3 - f(x) - x + 1)$$

Sequence: A226449
Score: 11.2933
Type of gen. func.: ogf

$$\frac{x (9 x^2 + 5 x + 1)}{(x - 1)^4}$$

Sequence: A226449
Score: 12.4911
Type of gen. func.: lgdogf

$$-\frac{-18 x^2 - 33 x - 9}{-9 x^3 + 4 x^2 + 4 x + 1}$$

```
------------------------------------------------------------------------------

Sequence:  A226449
Score: 4.16370
Type of gen. func.: ogf


{(n + 3) a(n + 4) + (-1 + 4 n) a(n + 3) + (-29 + 4 n) a(n + 2)

     + (-18 - 9 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 9, a(3) = 39}



------------------------------------------------------------------------------

Sequence:  A226449
Score: 5.64666
Type of gen. func.: ogf


(6557625 f(x) + 20341007)

           4           3           2      3                 2
    (f(x) x  - 4 f(x) x  + 6 f(x) x  - 9 x  - 4 f(x) x - 5 x  + f(x) - x)



------------------------------------------------------------------------------

Sequence:  A226450
Score: 10.9171
Type of gen. func.: ogf


                                     2
                              x (11 x  + 6 x + 1)
                              -------------------
                                          4
                                   (x - 1)



------------------------------------------------------------------------------

Sequence:  A226450
Score: 11.8804
Type of gen. func.: lgdogf


                                    2
                               -22 x  - 40 x - 10
                           - -----------------------
                                  3      2
                             -11 x  + 5 x  + 5 x + 1



------------------------------------------------------------------------------

Sequence:  A226450
Score: 4.20763
Type of gen. func.: ogf


{(-3 - n) a(n + 4) - 5 n a(n + 3) + (35 - 5 n) a(n + 2) + (22 + 11 n) a(n + 1),

    a(0) = 0, a(1) = 1, a(2) = 10, a(3) = 45}



------------------------------------------------------------------------------
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Sequence: A226450
Score: 5.3149
Type of gen. func.: ogf

$$-(16650360 f(x) + 62613437)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 11 x^3 - 4 f(x) x - 6 x^2 + f(x) - x)$$

Sequence: A226451
Score: 10.5946
Type of gen. func.: ogf

$$\frac{x (13 x^2 + 7 x + 1)}{(x - 1)^4}$$

Sequence: A226451
Score: 11.5294
Type of gen. func.: lgdogf

$$- \frac{-26 x^2 - 47 x - 11}{-13 x^3 + 6 x^2 + 6 x + 1}$$

Sequence: A226451
Score: 3.92001
Type of gen. func.: ogf

$$\{(-3 - n) a(n + 4) + (-1 - 6 n) a(n + 3) + (41 - 6 n) a(n + 2)$$

$$+ (26 + 13 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 11, a(3) = 51\}$$

Sequence: A226451
Score: 5.19207
Type of gen. func.: ogf

$$-(4063521 f(x) + 17959195)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 13 x^3 - 4 f(x) x - 7 x^2 + f(x) - x)$$

Sequence: A226454
Score: 2.69292
Type of gen. func.: ogf

$$-(2 f(x) x - f(x) + 1)^{3}$$

Sequence: A226488
Score: 14.3904
Type of gen. func.: ogf

$$-\frac{x (11 x + 2)}{(x - 1)^{3}}$$

Sequence: A226488
Score: 16.3656
Type of gen. func.: lgdogf

$$-\frac{-22 x - 17}{-11 x^{2} + 9 x + 2}$$

Sequence: A226488
Score: 7.19521
Type of gen. func.: ogf

$$(15041 f(x) - 62685) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 11 x^{2} - f(x) + 2 x)$$

Sequence: A226488
Score: 7.45218
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 2, a(2) = 17\}$$

Sequence: A226489
Score: 14.1765
Type of gen. func.: ogf

$$-\frac{x (13 x + 2)}{}$$

$$(x - 1)^3$$

Sequence: A226489
Score: 15.8123
Type of gen. func.: lgdogf

$$-\frac{-26 x - 19}{-13 x^2 + 11 x + 2}$$

Sequence: A226489
Score: 6.96813
Type of gen. func.: ogf

$$(181575 f(x) - 876197) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 13 x^2 - f(x) + 2 x)$$

Sequence: A226489
Score: 7.34142
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 2, a(2) = 19\}$$

Sequence: A226490
Score: 14.0928
Type of gen. func.: ogf

$$-\frac{x (17 x + 2)}{(x - 1)^3}$$

Sequence: A226490
Score: 15.7189
Type of gen. func.: lgdogf

$$-\frac{-34 x - 23}{-17 x^2 + 15 x + 2}$$

Sequence: A226490
Score: 6.86878
Type of gen. func.: ogf

$$(450167\ f(x) - 2767401)\ (f(x)\ x^3 - 3\ f(x)\ x^2 + 3\ f(x)\ x + 17\ x^2 - f(x) + 2\ x)$$

Sequence: A226490
Score: 7.29808
Type of gen. func.: ogf

$$\{a(n + 3) - 3\ a(n + 2) + 3\ a(n + 1) - a(n),\ a(0) = 0,\ a(1) = 2,\ a(2) = 23\}$$

Sequence: A226491
Score: 14.1581
Type of gen. func.: ogf

$$-\frac{x\ (19\ x + 2)}{(x - 1)^3}$$

Sequence: A226491
Score: 15.7917
Type of gen. func.: lgdogf

$$-\frac{-38\ x - 25}{-19\ x^2 + 17\ x + 2}$$

Sequence: A226491
Score: 6.90058
Type of gen. func.: ogf

$$(662823\ f(x) - 4514003)\ (f(x)\ x^3 - 3\ f(x)\ x^2 + 3\ f(x)\ x + 19\ x^2 - f(x) + 2\ x)$$

Sequence: A226491
Score: 7.33187
Type of gen. func.: ogf

$$\{a(n + 3) - 3\ a(n + 2) + 3\ a(n + 1) - a(n),\ a(0) = 0,\ a(1) = 2,\ a(2) = 25\}$$

Sequence: A226492
Score: 14.3742
Type of gen. func.: ogf

$$-\frac{x (8 x + 3)}{(x - 1)^3}$$

Sequence: A226492
Score: 16.3866
Type of gen. func.: lgdogf

$$-\frac{-16 x - 17}{-8 x^2 + 5 x + 3}$$

Sequence: A226492
Score: 7.06318
Type of gen. func.: ogf

$$(31581 f(x) - 110677) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 8 x^2 - f(x) + 3 x)$$

Sequence: A226492
Score: 7.31544
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 3, a(2) = 17\}$$

Sequence: A226493
Score: 13.2177
Type of gen. func.: ogf

$$-3 f(x) x^2 - 2 f(x) x + f(x) - 12 x$$

Sequence: A226493
Score: 16.5222
Type of gen. func.: lgdogf

$$-\frac{-6x-2}{-3x^2-2x+1}$$

Sequence: A226493
Score: 20.8701
Type of gen. func.: ogf

$$-\frac{12x}{(x+1)(3x-1)}$$

Sequence: A226493
Score: 9.67151
Type of gen. func.: ogf

$$\{-a(n+2)+2a(n+1)+3a(n),\ a(0)=0,\ a(1)=12\}$$

Sequence: A226500
Score: 11.4663
Type of gen. func.: ogf

$$-\frac{3x(x+1)}{(x-1)(x^2-98x+1)}$$

Sequence: A226500
Score: 5.88271
Type of gen. func.: ogf

$$\{a(n+3)-99a(n+2)+99a(n+1)-a(n),\ a(0)=0,\ a(1)=3,\ a(2)=300\}$$

Sequence: A226500
Score: 6.0947
Type of gen. func.: ogf

$$(100 f(x)+3)(f(x)x^3-99 f(x)x^2+99 f(x)x+3x^2-f(x)+3x)$$

Sequence: A226500
Score: 8.56344
Type of gen. func.: lgdogf

$$-\frac{-2x^3+96x^2+198x-100}{-x^4+98x^3-98x+1}$$

Sequence: A226503
Score: 11.9526
Type of gen. func.: ogf

$$f(x)\,x^5+f(x)\,x^3+x^2-f(x)+x+1$$

Sequence: A226503
Score: 14.8883
Type of gen. func.: ogf

$$-\frac{x^2+x+1}{x^5+x^3-1}$$

Sequence: A226508
Score: 11.5615
Type of gen. func.: ogf

$$-\frac{3(x-1)}{(9x-1)(3x-1)}$$

Sequence: A226508
Score: 6.39282
Type of gen. func.: ogf

$$\{-a(n+2)+12\,a(n+1)-27\,a(n),\ a(0)=3,\ a(1)=33\}$$

Sequence: A226508
Score: 7.6408
Type of gen. func.: ogf

$$(26 f(x) + 43) (27 f(x) x^2 - 12 f(x) x + f(x) + 3 x - 3)$$

Sequence: A226508
Score: 7.76271
Type of gen. func.: lgdogf

$$- \frac{-27 x^2 + 54 x - 11}{-27 x^3 + 39 x^2 - 13 x + 1}$$

Sequence: A226509
Score: 8.41933
Type of gen. func.: ogf

$$\frac{4 x^4 - 5 x^3 + 3 x^2 + 3 x - 3}{(x + 1) (x^3 + x - 1) (x - 1)^2}$$

Sequence: A226511
Score: 13.5729
Type of gen. func.: ogf

$$-15 f(x) x^2 + 8 f(x) x - f(x) + 3 x$$

Sequence: A226511
Score: 16.2875
Type of gen. func.: lgdogf

$$- \frac{30 x - 8}{15 x^2 - 8 x + 1}$$

Sequence: A226511
Score: 21.4310
Type of gen. func.: ogf

$$\frac{3 x}{(5 x - 1) (3 x - 1)}$$

Sequence: A226511
Score: 9.93143
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 15 a(n), a(0) = 0, a(1) = 3\}$$

Sequence: A226514
Score: 14.6553
Type of gen. func.: ogf

$$\frac{x^2 - 8 x + 13}{(x - 1)^4}$$

Sequence: A226514
Score: 15.0863
Type of gen. func.: lgdogf

$$- \frac{2 x^2 - 22 x + 44}{x^3 - 9 x^2 + 21 x - 13}$$

Sequence: A226514
Score: 4.95589
Type of gen. func.: ogf

$$\{(13 n + 52) a(n + 4) + (-107 - 21 n) a(n + 3) + (40 + 9 n) a(n + 2)$$

$$+ (-3 - n) a(n + 1), a(0) = 13, a(1) = 44, a(2) = 99, a(3) = 184\}$$

Sequence: A226514
Score: 7.48809
Type of gen. func.: ogf

$$(2157 f(x) + 41344)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - x^2 + f(x) + 8 x - 13)$$

Sequence: A226516
Score: 13.4316
Type of gen. func.: ogf

$$-\frac{x^{6} (x + 1) (x^{5} - x + 1)}{(x^{4} - x^{2} + 1) (x^{6} + x^{4} - 1)}$$

Sequence: A226517
Score: 13.5007
Type of gen. func.: ogf

$$-\frac{x^{6} (x + 1) (x^{4} - x + 1)}{x^{8} + x^{2} - 1}$$

Sequence: A226535
Score: 4.20534
Type of gen. func.: ogf_with_Euler_transform]

$$-(-2 x^{11} + 3 x^{10} - 6 x^{9} + 2 x^{8} - 3 x^{7} + 3 x^{6} - 4 x^{5} + 3 x^{4} - 3 x^{3} + 2 x^{2} - 6 x + 3) \Big/ (x^{12} - 1)$$

Sequence: A226538
Score: 14.6797
Type of gen. func.: ogf

$$\frac{x^{3} + x + 1}{(x - 1) (x + 1) (x^{4} + x^{2} - 1)}$$

Sequence: A226546
Score: 7.46930
Type of gen. func.: lgdogf

$$-\frac{4 x^{4} + 34 x^{3} + 54 x^{2} + 32 x + 12}{}$$

$$x^5 + 8 x^4 + 16 x^3 + 11 x^2 - 3 x - 3$$

Sequence: A226546
Score: 8.56033
Type of gen. func.: ogf

$$\frac{x (x^2 + 6 x + 3)}{(x^3 + 2 x^2 + x - 1)^2}$$

Sequence: A226547
Score: 5.18545
Type of gen. func.: ogf

$$\frac{x (x^5 + 6 x^4 - 8 x^3 - 10 x^2 + 9 x + 4)}{(x + 1)^2 (x^4 - 3 x + 1)^2}$$

Sequence: A226559
Score: 9.61726
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^4 - x^3 + x + 1}{x^6 + x^4 + x^2 + 1}$$

Sequence: A226576
Score: 14.2837
Type of gen. func.: ogf

$$- \frac{x (2 x^2 - 3)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A226576
Score: 4.99492
Type of gen. func.: ogf

$$\{(-n - 8)\, a(n + 1) - a(n + 2) - a(n + 3) + (n + 7)\, a(n + 4),\ a(0) = 0,\ a(1) = 3,\ a(2) = 3,\ a(3) = 1\}$$

Sequence: A226576
Score: 6.89976
Type of gen. func.: ogf

$$-(1798 f(x) + 12739) (f(x) x^4 - f(x) x^3 + 2 x^3 - f(x) x + f(x) - 3 x)$$

Sequence: A226576
Score: 9.57849
Type of gen. func.: lgdogf

$$- \frac{-4 x^4 - 2 x^3 + 10 x^2 - x + 3}{-2 x^5 + 3 x^3 + 2 x^2 - 3}$$

Sequence: A226577
Score: 11.2257
Type of gen. func.: ogf

$$- \frac{x (3 x^3 - 2 x^2 + 2 x - 4)}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A226578
Score: 9.06299
Type of gen. func.: ogf

$$\frac{x (x^6 - x^5 - 4 x^4 + x^3 - x + 5)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A226579
Score: 9.52761
Type of gen. func.: ogf

$$\frac{x \left(2 x^{5} - 6 x^{3} - 4 x^{2} + 3 x + 6\right)}{(x + 1) \left(x^{2} + x + 1\right) (x - 1)^{2}}$$

Sequence: A226580
Score: 10.0208
Type of gen. func.: ogf

$$\frac{x \left(x^{8} - x^{7} - 4 x^{6} - 2 x + 7\right)}{\left(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1\right) (x - 1)^{2}}$$

Sequence: A226581
Score: 6.62253
Type of gen. func.: ogf

$$\frac{x \left(2 x^{9} - 2 x^{8} - 6 x^{7} + 3 x^{6} - x^{5} + 3 x^{4} - 3 x^{3} + x^{2} - 4 x + 8\right)}{(x + 1) \left(x^{2} + 1\right) \left(x^{4} + 1\right) (x - 1)^{2}}$$

Sequence: A226582
Score: 6.51572
Type of gen. func.: ogf

$$\frac{x \left(4 x^{10} - 4 x^{9} - 6 x^{8} + x^{7} + 3 x^{6} - 3 x^{5} + 3 x^{3} - 3 x^{2} - 3 x + 9\right)}{\left(x^{2} + x + 1\right) \left(x^{6} + x^{3} + 1\right) (x - 1)^{2}}$$

Sequence: A226583
Score: 6.75613
Type of gen. func.: ogf

$$\frac{x \left(x^{8} + 5 x^{7} - x^{6} - 10 x^{5} - 4 x^{4} - x^{3} - 4 x^{2} + 5 x + 10\right)}{\left(x^{4} + x^{3} + x^{2} + x + 1\right) (x + 1) (x - 1)^{2}}$$

Sequence: A226591

Score: 8.67591
Type of gen. func.: ogf

$$-\frac{(x+1)\,(x^2+x+1)\,(x^2-x+1)\,(x^4-x^2+1)}{x^9-x^7+x^6+x^5-x^4+x^2-1}$$

Sequence: A226592
Score: 6.09620
Type of gen. func.: ogf

$$-\frac{(x+1)\,(x^4-x^2+1)\,(x^2+1)\,(x^2+x+1)\,(x^2-x+1)}{2\,x^{11}+2\,x^8+2\,x^5-1}$$

Sequence: A226635
Score: 14.1581
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^3+1}{x^5-x^4+x-1}$$

Sequence: A226637
Score: 5.69476
Type of gen. func.: ogf

$$\frac{x\,(10\,x^{16}-9\,x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)}{(x-1)\,(10\,x^8-1)}$$

Sequence: A226638
Score: 5.30332
Type of gen. func.: ogf

$-(5\ f(x) + 2)$

$$(f(x)\,x^4 - 2\,f(x)\,x^3 - 7\,f(x)\,x^2 - x^3 - 2\,f(x)\,x - 4\,x^2 + f(x) - x)$$

Sequence: A226638
Score: 9.95282
Type of gen. func.: ogf

$$\frac{x (x^2 + 4 x + 1)}{x^4 - 2 x^3 - 7 x^2 - 2 x + 1}$$

Sequence: A226639
Score: 10.3886
Type of gen. func.: ogf

$$-\frac{6 x^2 - 4 x + 1}{(x - 1)^5}$$

Sequence: A226639
Score: 12.4348
Type of gen. func.: lgdogf

$$-\frac{-18 x^2 + 4 x - 1}{-6 x^3 + 10 x^2 - 5 x + 1}$$

Sequence: A226639
Score: 4.10350
Type of gen. func.: ogf

{(-n - 4) a(n + 4) + (16 + 5 n) a(n + 3) + (-24 - 10 n) a(n + 2)

+ (24 + 6 n) a(n + 1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 5}

Sequence: A226649
Score: 10.5812
Type of gen. func.: ogf

$$-\frac{x (2 x^3 + x^2 + 2 x + 2)}{(x + 1) (x^4 + x^2 - 1)}$$

Sequence: A226694
Score: 10.9404
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - 4098 x + 1}$$

Sequence: A226694
Score: 5.35856
Type of gen. func.: ogf

$$(16797700 f(x) + 4101) (f(x) x^2 - 4098 f(x) x + f(x) - x - 1)$$

Sequence: A226694
Score: 5.96750
Type of gen. func.: ogf

$$\{-a(n + 2) + 4098 a(n + 1) - a(n), a(0) = 1, a(1) = 4099\}$$

Sequence: A226695
Score: 10.9404
Type of gen. func.: ogf

$$-\frac{x - 1}{x^2 - 4098 x + 1}$$

Sequence: A226695
Score: 5.14842
Type of gen. func.: ogf

$$-(16789504 f(x) - 4095) (f(x) x^2 - 4098 f(x) x + f(x) + x - 1)$$

Sequence: A226695
Score: 5.96750
Type of gen. func.: ogf

$$\{a(n + 2) - 4098 a(n + 1) + a(n), a(0) = 1, a(1) = 4097\}$$

Sequence: A226699
Score: 4.37
Type of gen. func.: ogf

$$-(2319525 f(x) - 2319521) (f(x) x^2 - 1523 f(x) x + f(x) + 1523 x - 2)$$

Sequence: A226699
Score: 5.31352
Type of gen. func.: ogf

$$\{a(n + 2) - 1523 a(n + 1) + a(n), a(0) = 2, a(1) = 1523\}$$

Sequence: A226699
Score: 9.16843
Type of gen. func.: ogf

$$-\frac{1523 x - 2}{x^2 - 1523 x + 1}$$

Sequence: A226700
Score: 13.5289
Type of gen. func.: ogf

$$\frac{x}{x^2 - 1523 x + 1}$$

Sequence: A226700
Score: 5.79812
Type of gen. func.: ogf

$$\{a(n + 2) - 1523 a(n + 1) + a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A226700
Score: 7.85551

Type of gen. func.: ogf

$$-f(x) x^2 + 1523 f(x) x - f(x) + x$$

Sequence: A226701
Score: 4.87072
Type of gen. func.: ogf

$$(1160525 f(x) + 763) (f(x) x^2 - 1523 f(x) x + f(x) - x - 1)$$

Sequence: A226701
Score: 5.31352
Type of gen. func.: ogf

$$\{-a(n + 2) + 1523 a(n + 1) - a(n), a(0) = 1, a(1) = 1524\}$$

Sequence: A226701
Score: 9.74146
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - 1523 x + 1}$$

Sequence: A226702
Score: 4.72313
Type of gen. func.: ogf

$$-(579501 f(x) - 380) (f(x) x^2 - 1523 f(x) x + f(x) + x - 1)$$

Sequence: A226702
Score: 5.31352
Type of gen. func.: ogf

$$\{a(n + 2) - 1523 a(n + 1) + a(n), a(0) = 1, a(1) = 1522\}$$

Sequence: A226702

Score: 9.74146
Type of gen. func.: ogf

$$-\frac{x-1}{x^2-1523x+1}$$

Sequence: A226710
Score: 6.86654
Type of gen. func.: ogf

$$-\frac{x^4+2x^3+4x^2+3x+3}{x^5+x^4+2x^3+x^2+2x-1}$$

Sequence: A226721
Score: 8.08893
Type of gen. func.: ogf

$$-\frac{x^7-2x^6-x^5-2x^4-x^3-2x^2-x-2}{(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A226725
Score: 10.1183
Type of gen. func.: lgdogf

$$-\frac{4x^3-20x^2-4x-4}{x^4-4x^3-2x^2+4x+1}$$

Sequence: A226725
Score: 12.6090
Type of gen. func.: ogf

$$\frac{x^2-4x-1}{(x-1)^3(x+1)^3}$$

Sequence: A226731
Score: 3.37792
Type of gen. func.: ogf

$$\{(-4 n^3 - 50 n^2 - 208 n - 288) a(n + 1) + (n + 5) a(n + 2), a(0) = 20, a(1) = 630\}$$

Sequence: A226737
Score: 10.7385
Type of gen. func.: ogf

$$\frac{10 x^2 + x - 1}{(11 x - 1) (x - 1)^2}$$

Sequence: A226737
Score: 5.49611
Type of gen. func.: ogf

$$(6856700 f(x) + 3266743) (11 f(x) x^3 - 23 f(x) x^2 + 13 f(x) x - 10 x^2 - f(x) - x + 1)$$

Sequence: A226737
Score: 5.91530
Type of gen. func.: ogf

$$\{a(n + 3) - 13 a(n + 2) + 23 a(n + 1) - 11 a(n), a(0) = 1, a(1) = 12, a(2) = 123\}$$

Sequence: A226737
Score: 7.58701
Type of gen. func.: lgdogf

$$- \frac{110 x^3 + 132 x^2 - 54 x + 12}{110 x^4 - 109 x^3 - 13 x^2 + 13 x - 1}$$

Sequence: A226741
Score: 3.93599
Type of gen. func.: ogf

$$\{(-92 n^2 - 569 n - 879) a(n + 1) + (280 n^2 + 1668 n + 1292) a(n + 2) + (-188 n^2 - 715 n - 453) a(n + 3), a(0) = 75, a(1) = 308, a(2) = 807\}$$

Sequence: A226741
Score: 8.65918
Type of gen. func.: ogf

$$\frac{(x - 3) (x^2 - 14 x + 25)}{(x - 1)^5}$$

Sequence: A226741
Score: 8.65918
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 48 x^2 + 234 x - 308}{x^4 - 18 x^3 + 84 x^2 - 142 x + 75}$$

Sequence: A226751
Score: 6.21598
Type of gen. func.: ogf

$$-216 f(x)^3 x^2 - 211 f(x)^3 x + 36 f(x)^3 + 162 f(x)^2 x - 24 f(x)^2 - 11 f(x) - 1$$

Sequence: A226774
Score: 5.04053
Type of gen. func.: ogf

$$- (x + 1) (x^{41} + x^{20} - 2 x^{19} + 2 x^{18} - 2 x^{17} + 2 x^{16} - 2 x^{14} + 2 x^{13} - 2 x^{12} + 2 x^{11} - x^{10} - x^5 - 1) / ((x - 1) (x^{41} - x^5 - 1))$$

Sequence: A226782
Score: 8.08594
Type of gen. func.: ogf

$$-\frac{x^2\,(x^6-4\,x^2-1)}{(x-1)^2\,(x+1)^2\,(x^2+1)^2}$$

Sequence: A226783
Score: 6.41095
Type of gen. func.: ogf

$$-\frac{x\,(x^9-x^6-x^5-5\,x^4-x^2-2\,x-1)}{(x-1)^2\,(x^4+x^3+x^2+x+1)^2}$$

Sequence: A226784
Score: 6.69875
Type of gen. func.: ogf

$$-\frac{x^4\,(x^8-6\,x^2-1)}{(x-1)^2\,(x+1)^2\,(x^2+x+1)^2\,(x^2-x+1)^2}$$

Sequence: A226785
Score: 4.81760
Type of gen. func.: ogf

$$-\frac{x\,(x^{13}-x^{10}-2\,x^9-x^8-2\,x^7-7\,x^6-x^4-3\,x^3-3\,x^2-x-1)}{(x-1)^2\,(x^6+x^5+x^4+x^3+x^2+x+1)^2}$$

Sequence: A226786
Score: 5.07893
Type of gen. func.: ogf

$$x^2\,(x^{14}-x^{10}-3\,x^8-8\,x^6-x^4-2\,x^2-2)$$

$$- \frac{}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2 (x^4 + 1)^2}$$

Sequence: A226787
Score: 4.30185
Type of gen. func.: ogf

$$- \frac{x (x^{17} - x^{14} - 3 x^{12} - x^{11} - 3 x^9 - 9 x^8 - x^6 - 4 x^5 - 4 x^3 - x^2 - 1)}{(x - 1)^2 (x^2 + x + 1)^2 (x^6 + x^3 + 1)^2}$$

Sequence: A226796
Score: 11.9682
Type of gen. func.: ogf

$$- \frac{170 x^4 + 220 x^3 + 162 x^2 + 49 x + 10}{x - 1}$$

Sequence: A226796
Score: 6.60648
Type of gen. func.: ogf

$$-(226475494759 f(x) - 821814844183)$$

$$(170 x^4 + 220 x^3 + f(x) x + 162 x^2 - f(x) + 49 x + 10)$$

Sequence: A226797
Score: 11.9144
Type of gen. func.: lgdegf]

$$- \frac{-340 x^3 - 1320 x^2 - 1944 x - 588}{85 x^4 + 440 x^3 + 972 x^2 + 588 x + 120}$$

Sequence: A226797
Score: 4.57865
Type of gen. func.: ogf

$$(371398235 f(x) + 1660731978) (-170 x^4 - 220 x^3 - 162 x^2 + f(x) - 49 x - 10)$$

Sequence: A226797
Score: 4.77349
Type of gen. func.: ogf

$$\{a(n + 5), a(0) = 10, a(1) = 49, a(2) = 162, a(3) = 220, a(4) = 170\}$$

Sequence: A226800
Score: 7.04753
Type of gen. func.: ogf

$$\frac{x^4 - 34 x^3 + 246 x^2 - 634 x + 541}{(x - 1)^6}$$

Sequence: A226801
Score: 5.56082
Type of gen. func.: ogf

$$\frac{(x - 3) (x^4 - 64 x^3 + 606 x^2 - 1744 x + 1561)}{(x - 1)^7}$$

Sequence: A226804
Score: 10.0460
Type of gen. func.: ogf

$$\frac{1}{(81 x - 1) (3 x - 1) (27 x - 1) (9 x - 1)}$$

Sequence: A226804
Score: 4.44894
Type of gen. func.: ogf

$$(1893257 f(x) + 12393)$$

$$(59049 f(x) x^4 - 29160 f(x) x^3 + 3510 f(x) x^2 - 120 f(x) x + f(x) - 1)$$

Sequence: A226804
Score: 5.82105
Type of gen. func.: lgdogf

$$-\frac{-236196 x^3 + 87480 x^2 - 7020 x + 120}{-59049 x^4 + 29160 x^3 - 3510 x^2 + 120 x - 1}$$

Sequence: A226845
Score: 8.17857
Type of gen. func.: ogf

$$-\frac{(x^2 - 3) (x^2 + 1)}{x^5 - x^4 - 2 x^3 + 2 x^2 - 3 x + 1}$$

Sequence: A226855
Score: 12.6348
Type of gen. func.: lgdegf]

$$\frac{1}{x + 1} + \exp(x)$$

Sequence: A226855
Score: 35.4469
Type of gen. func.: lgdegf]

$$\frac{1}{x + 1} + \exp(x)$$

Sequence: A226857
Score: 6.62629
Type of gen. func.: ogf

$$-\frac{x (x^{10} + x^9 + x^8 + 2 x^7 + 3 x^6 + 3 x^5 + 3 x^4 + 3 x^3 + 3 x^2 + 2 x + 1)}{x^6 + x^3 - 1}$$

Sequence: A226858
Score: 2.35089
Type of gen. func.: ogf

$$-(83 f(x) - 61997992056000)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 258594336000 x + 258594336000)$$

Sequence: A226861
Score: 5.99713
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^5 - 3 x^3 - x + 2}{x^6 + x^5 + x^4 - x^2 - x - 1}$$

Sequence: A226864
Score: 5.53009
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^7 - 2 x^5 - 2 x^4 - x^3 - 2 x^2}{x^8 + x^6 - x^2 - 1}$$

Sequence: A226866
Score: 6.39963
Type of gen. func.: ogf

$$-\frac{x^5 - 8 x^4 + 16 x^3 - 19 x^2 + 11 x - 4}{(x - 1)^6}$$

Sequence: A226867
Score: 4.50778
Type of gen. func.: ogf

$$- (x^{12} + 2 x^{11} - 34 x^{10} + 136 x^9 - 409 x^8 + 857 x^7 - 1280 x^6 + 1353 x^5$$

$$- 1029 x^4 + 550 x^3 - 205 x^2 + 47 x - 7) \Big/ (x - 1)^{12}$$

Sequence: A226892
Score: 6.32838
Type of gen. func.: ogf

$$- \frac{x (17 x^5 - 29 x^4 - 73 x^3 + 65 x^2 + 47 x - 29)}{(x - 1) (x + 1) (x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A226903
Score: 6.91469
Type of gen. func.: ogf

$$\frac{x^5 + 5 x^4 + 10 x^3 + 20 x^2 + 13 x + 5}{(x + 1)^3 (x - 1)^4}$$

Sequence: A226910
Score: 15.5295
Type of gen. func.: revogf

$$- \frac{x^6 - x}{-x^6 + x + 1}$$

Sequence: A226916
Score: 13.1522
Type of gen. func.: ogf

$$- \frac{x^4 (x + 1) (x^3 - x + 1)}{x^6 + x^2 - 1}$$

Sequence: A226917
Score: 3.14370
Type of gen. func.: ogf

$$-\frac{5 x^3 - 5 x^2 + 1}{(2 x^2 - 1) (2 x - 1)^2}$$

Sequence: A226940
Score: 6.18454
Type of gen. func.: ogf

$$-\frac{x (x^9 + 3 x^8 - 6 x^7 + 2 x^6 + 4 x^5 + 4 x^4 - 2 x^3 + 6 x^2 + 3 x + 1)}{(x - 1)^3 (x + 1)^3 (x^2 + 1)^3}$$

Sequence: A226941
Score: 11.1436
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (6 x - 1) (15 x - 1) (3 x - 1) (10 x - 1)}$$

Sequence: A226941
Score: 5.93715
Type of gen. func.: lgdogf

$$-\frac{-13500 x^4 + 18000 x^3 - 6579 x^2 + 854 x - 35}{-2700 x^5 + 4500 x^4 - 2193 x^3 + 427 x^2 - 35 x + 1}$$

Sequence: A226954
Score: 2.83962
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 12671122464000,

a(1) = 50684489856000, a(2) = 114040102176000}

Sequence: A226954
Score: 2.89679
Type of gen. func.: ogf

$$-(83 f(x) - 3037901610744000)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 12671122464000 x + 12671122464000)$$

Sequence: A226954
Score: 5.46357
Type of gen. func.: ogf

$$- \frac{12671122464000 (x + 1)}{(x - 1)^3}$$

Sequence: A226956
Score: 13.3550
Type of gen. func.: ogf

$$\frac{(x - 1) (x^2 + 1)}{(x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A226956
Score: 7.74365
Type of gen. func.: ogf

$$(5 f(x) - 4) (f(x) x^4 - f(x) x^2 - x^3 + 2 f(x) x + x^2 - f(x) - x + 1)$$

Sequence: A226956
Score: 7.94391
Type of gen. func.: lgdogf

$$- \frac{x^6 - 2 x^5 + 4 x^4 - 8 x^3 + 4 x^2 - 1}{x^7 - x^6 + 2 x^4 - 4 x^3 + 4 x^2 - 3 x + 1}$$

Sequence: A226958
Score: 12.0370
Type of gen. func.: ogf

$$-\frac{2\,(x^{2}+3\,x-1)}{(x^{2}+4\,x-1)\,(x^{2}-x-1)}$$

Sequence: A226958
Score: 6.01848
Type of gen. func.: ogf

$$-(5837\,f(x)+144)$$

$$(f(x)\,x^{4}+3\,f(x)\,x^{3}-6\,f(x)\,x^{2}-3\,f(x)\,x+2\,x^{2}+f(x)+6\,x-2)$$

Sequence: A226958
Score: 7.35002
Type of gen. func.: lgdogf

$$-\frac{2\,x^{5}+12\,x^{4}+14\,x^{3}-24\,x^{2}+10\,x}{x^{6}+6\,x^{5}+2\,x^{4}-24\,x^{3}-2\,x^{2}+6\,x-1}$$

Sequence: A226974
Score: 14.5945
Type of gen. func.: revogf

$$-\frac{x^{4}-x}{-x^{4}+x+1}$$

Sequence: A226976
Score: 5.04291
Type of gen. func.: ogf

$$-(175175\,f(x)-37946)$$

$$(f(x)\,x^{4}+3\,f(x)\,x^{3}-6\,f(x)\,x^{2}+2\,x^{3}-3\,f(x)\,x+5\,x^{2}+f(x)-6\,x-1)$$

Sequence: A226976
Score: 9.82386

Type of gen. func.: ogf

$$-\frac{(x-1)(2x^2+7x+1)}{(x^2+4x-1)(x^2-x-1)}$$

Sequence: A226988
Score: 3.64750
Type of gen. func.: ogf

$$-(2x^{11}-12x^{10}+26x^9-12x^8-56x^7+137x^6-148x^5+67x^4+31x^3-64x^2+38x-10)\Big/(x-1)^8$$

Sequence: A226994
Score: 4.39889
Type of gen. func.: ogf

$$-f(x)^2x^4+8f(x)^2x^3-14f(x)^2x^2-f(x)x^3+8f(x)^2x+7f(x)x^2-f(x)^2-7f(x)x+f(x)+x$$

Sequence: A227012
Score: 6.07020
Type of gen. func.: ogf

$$\frac{x^8-2x^7+5x^5+5x^4+6x^3+7x^2+x+1}{(x+1)(x^2+1)(x-1)^4}$$

Sequence: A227013
Score: 5.23426
Type of gen. func.: ogf

$$\frac{x^8-3x^7+2x^6-4x^5-20x^4-23x^3-22x^2-2x-1}{(x^2+x+1)(x-1)^5}$$

Sequence: A227014
Score: 4.86884
Type of gen. func.: ogf

$$\frac{x^8 - 4 x^7 + 4 x^6 + 13 x^5 + 49 x^4 + 108 x^3 + 63 x^2 + 5 x + 1}{(x + 1) (x - 1)^6}$$

Sequence: A227015
Score: 5.46854
Type of gen. func.: ogf

$$\frac{x^9 - 3 x^8 + 3 x^7 - 2 x^6 + 4 x^5 + 5 x^4 + 4 x^3 + 8 x^2 + 2 x + 2}{(x + 1) (x^2 + 1) (x - 1)^4}$$

Sequence: A227016
Score: 4.84810
Type of gen. func.: ogf

$$\frac{x^{11} - 3 x^{10} + 3 x^9 - x^8 + 2 x^7 + x^6 - x^5 + 4 x^4 - 2 x^3 + 4 x^2 - x + 1}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^4}$$

Sequence: A227017
Score: 10.6646
Type of gen. func.: ogf

$$\frac{x^4 - 3 x^3 - 2 x^2 - x - 1}{(x + 1) (x - 1)^3}$$

Sequence: A227017
Score: 6.08277
Type of gen. func.: ogf

$$-(162 f(x) - 857)$$

$$(f(x) x^4 - 2 f(x) x^3 - x^4 + 3 x^3 + 2 f(x) x + 2 x^2 - f(x) + x + 1)$$

Sequence: A227021
Score: 5.90593
Type of gen. func.: ogf

$$\frac{x^7 - 6 x^5 + 7 x^4 - 11 x^3 + 21 x^2 - 16 x + 7}{(x - 1)^6}$$

Sequence: A227026
Score: 4.32601
Type of gen. func.: ogf

$$(145 x^{13} - 607 x^{12} - 1771 x^{11} + 2276 x^{10} - 289 x^9 + 230 x^8 - 40 x^7 + 13 x^6 + 20 x^5 + x^4 + 3 x^3 + 8 x^2 + 16 x - 3) / ((x - 1) (x^2 - 6 x + 1))$$

Sequence: A227033
Score: 15.6204
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{4 x^2 - 6 x + 4}{x^4 - 1}$$

Sequence: A227035
Score: 15.4653
Type of gen. func.: revogf

$$- \frac{x^5 - x}{-x^5 + x + 1}$$

Sequence: A227036
Score: 14.2033
Type of gen. func.: ogf

$$\frac{2 (x^2 + 1)}{(x - 1) (2 x^3 + x - 1)}$$

Sequence: A227036
Score: 7.89075
Type of gen. func.: ogf

$$f(x) (2 f(x) x^4 - 2 f(x) x^3 + f(x) x^2 - 2 f(x) x - 2 x^2 + f(x) - 2)$$

Sequence: A227036
Score: 8.54831
Type of gen. func.: lgdogf

$$- \frac{4 x^5 - 2 x^4 + 8 x^3 - 4 x^2 - 2}{2 x^6 - 2 x^5 + 3 x^4 - 4 x^3 + 2 x^2 - 2 x + 1}$$

Sequence: A227037
Score: 3.42927
Type of gen. func.: ogf

$\{(-n - 5) a(n + 1) + (2 n + 10) a(n + 2) + (-n - 7) a(n + 3) + a(n + 4),$

$a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 12\}$

Sequence: A227043
Score: 4.80804
Type of gen. func.: ogf

$$x (4 x^{14} + x^{13} + 12 x^{12} + 8 x^{11} + 20 x^{10} + 6 x^9 + 28 x^8 + 16 x^7 + 28 x^6 + 3 x^5 + 20 x^4 + 8 x^3 + 12 x^2 + 2 x + 4) / ((x - 1)^2 (x + 1)^2 (x^2 + 1)^2 (x^4 + 1)^2)$$

Sequence: A227047
Score: 12.5918

Type of gen. func.: ogf

$$-\frac{x^2 (x^2 + 1)}{(x^2 + x + 1) (x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A227056
Score: 4.60110
Type of gen. func.: ogf

$$-\frac{x^7 - 9 x^6 + 35 x^5 - 77 x^4 + 103 x^3 - 84 x^2 + 40 x - 10}{(x - 1)^8}$$

Sequence: A227081
Score: 3.27315
Type of gen. func.: ogf

$\{(-24 n - 48) a(n + 1) + (52 n + 124) a(n + 2) + (-26 n - 86) a(n + 3)$

$+ (3 n + 12) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 8, a(3) = 40\}$

Sequence: A227081
Score: 6.77773
Type of gen. func.: lgdogf

$$\frac{2 (-12 x^2 + 2 (12 x^2 - 8 x + 1)^{1/2} + 16 x - 5)}{(4 x^2 - 8 x + 3) (6 x - 1)}$$

Sequence: A227081
Score: 7.13825
Type of gen. func.: ogf

$$-12 f(x)^2 x^2 + 20 f(x)^2 x - 3 f(x)^2 - 12 f(x) x + 2 f(x) + 1$$

Sequence: A227085
Score: 6.59385
Type of gen. func.: ogf

$$-\frac{(x-2)(x^4-3x^3+6x^2-5x+2)}{(x-1)^6}$$

Sequence: A227099
Score: 4.05649
Type of gen. func.: ogf

$$-\frac{x^{10}-3x^9+x^8+3x^7-2x^6+11x^5-37x^4+52x^3-40x^2+17x-4}{(x-1)^8}$$

Sequence: A227104
Score: 11.4204
Type of gen. func.: ogf

$$-\frac{2x^3+3x^2+3x-1}{(x^2+x+1)(x^2+x-1)}$$

Sequence: A227104
Score: 6.66949
Type of gen. func.: ogf

$$-(10 f(x)+29)(f(x)x^4+2f(x)x^3+f(x)x^2+2x^3+3x^2-f(x)+3x-1)$$

Sequence: A227110
Score: 4.1243
Type of gen. func.: ogf

$$-(500002000000 f(x)-250000999999)$$

$$(f(x)x^2-1000002 f(x)x+f(x)+500001x-1)$$

Sequence: A227111
Score: 8.431
Type of gen. func.: ogf

$$-f(x)\,x^{2} + 1000002\,f(x)\,x - f(x) + x$$

Sequence: A227119
Score: 8.75795
Type of gen. func.: lgdegf]

$$\left(1 + \frac{2\,5^{1/2}}{5}\right) \exp\left(\frac{(5^{1/2} + 1)\,x}{2}\right) + \left(1 - \frac{2\,5^{1/2}}{5}\right) \exp\left(- \frac{(5^{1/2} - 1)\,x}{2}\right)$$

Sequence: A227121
Score: 4.12838
Type of gen. func.: ogf

$$\{(-29\,n^{2} - 213\,n - 378)\,a(n + 1) + (54\,n^{2} + 280\,n + 246)\,a(n + 2)$$
$$+ (-25\,n^{2} - 83\,n - 24)\,a(n + 3),\ a(0) = 3,\ a(1) = 7,\ a(2) = 13\}$$

Sequence: A227121
Score: 8.92110
Type of gen. func.: ogf

$$\frac{2\,x^{3} - 8\,x^{2} + 8\,x - 3}{(x - 1)^{5}}$$

Sequence: A227121
Score: 9.13101
Type of gen. func.: lgdogf

$$- \frac{-4\,x^{3} + 18\,x^{2} - 16\,x + 7}{-2\,x^{4} + 10\,x^{3} - 16\,x^{2} + 11\,x - 3}$$

Sequence: A227137
Score: 4.77745
Type of gen. func.: ogf

$$(1000005000004 f(x) + 1000005) (f(x) x^2 - 1000002 f(x) x + f(x) - x - 1)$$

Sequence: A227138
Score: 4.64948
Type of gen. func.: ogf

$$-(1000003000000 f(x) - 999999) (f(x) x^2 - 1000002 f(x) x + f(x) + x - 1)$$

Sequence: A227139
Score: 10.9947
Type of gen. func.: lgdogf

$$-\frac{2 x - 48}{x^2 - 48 x + 1}$$

Sequence: A227139
Score: 16.1686
Type of gen. func.: ogf

$$\frac{1}{x^2 - 48 x + 1}$$

Sequence: A227139
Score: 6.46746
Type of gen. func.: ogf

$$(1151 f(x) + 1) (f(x) x^2 - 48 f(x) x + f(x) - 1)$$

Sequence: A227139
Score: 6.54445
Type of gen. func.: ogf

$$\{-a(n + 2) + 48 a(n + 1) - a(n), a(0) = 1, a(1) = 48\}$$

Sequence: A227144
Score: 9.68451
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + 5 x^3 + 5 x^2 + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A227146
Score: 9.75555
Type of gen. func.: ogf

$$\frac{(x + 1) (5 x^4 + x^2 + x + 5)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A227148
Score: 4.90764
Type of gen. func.: ogf

$$x (2 x^{12} - x^{11} + 2 x^{10} - 2 x^9 + 2 x^8 - 2 x^7 + 2 x^6 - 2 x^5 + 2 x^4 - 2 x^3 + 2 x^2 - 2 x + 3) \Big/ ((x^4 + 1) (x^8 - x^4 + 1) (x - 1)^2)$$

Sequence: A227149
Score: 4.93230
Type of gen. func.: ogf

$$(x^{13} + 2 x^{12} - 2 x^{11} + 2 x^{10} - 2 x^9 + 2 x^8 - 2 x^7 + 2 x^6 - 2 x^5 + 2 x^4 - 2 x^3 + 2 x^2 + 1) \Big/ ((x^4 + 1) (x^8 - x^4 + 1) (x - 1)^2)$$

Sequence: A227151
Score: 10.6538
Type of gen. func.: ogf

$$-f(x) x^2 + 125619266 f(x) x - f(x) + x$$

Sequence: A227152
Score: 4.67458
Type of gen. func.: ogf

$$-(80800 f(x) - 40399) (f(x) x^2 - 402 f(x) x + f(x) + 201 x - 1)$$

Sequence: A227152
Score: 5.48992
Type of gen. func.: ogf

$$\{a(n + 2) - 402 a(n + 1) + a(n), a(0) = 1, a(1) = 201\}$$

Sequence: A227152
Score: 9.63537
Type of gen. func.: ogf

$$-\frac{201 x - 1}{x^2 - 402 x + 1}$$

Sequence: A227161
Score: 12.5562
Type of gen. func.: lgdogf

$$-\frac{-x^2 - x - 3}{-x^3 + 2 x^2 - 2 x + 1}$$

Sequence: A227161
Score: 24.1945
Type of gen. func.: ogf_with_Euler_transform]

$$-2 x^5 + 2 x^2 + 2 x + 3$$

Sequence: A227161
Score: 4.07918
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-9 - 2 n) a(n + 3) + (3 + 2 n) a(n + 2) + (-n - 2) a(n + 1), a(0) = 1, a(1) = 3, a(2) = 8, a(3) = 18\}$$

Sequence: A227161
Score: 8.45894
Type of gen. func.: ogf

$$-\frac{(x^2 - x + 1)^2}{(x - 1)^5}$$

Sequence: A227168
Score: 4.23946
Type of gen. func.: ogf

$$-\frac{4 x^{10} + x^9 + 9 x^8 + 4 x^7 + 88 x^6 + 6 x^5 + 22 x^4 + 4 x^3 + 36 x^2 + x + 1}{(x - 1)^3 (x + 1)^3 (x^2 + 1)^3}$$

Sequence: A227169
Score: 4.59619
Type of gen. func.: ogf

$$\{(16 n^3 + 128 n^2 + 340 n + 300) a(n + 1) + (-n^3 - 11 n^2 - 38 n - 40) a(n + 2), a(0) = 1, a(1) = 6\}$$

Sequence: A227175
Score: 16.0097
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{8 x^2 - 12 x + 8}{x^4 - 1}$$

Sequence: A227187
Score: 5.83327

Type of gen. func.: ogf

$$-\frac{x\,(x^{15}-2\,x^{12}+x^{7}-2\,x^{6}-x^{5}+x^{3}-2)}{(x^{6}+x^{3}+1)\,(x^{6}-x^{3}+1)\,(x-1)^{2}}$$

Sequence: A227200
Score: 11.2056
Type of gen. func.: ogf

$$-\frac{x\,(3\,x-1)}{(2\,x-1)\,(x^{2}+x-1)}$$

Sequence: A227200
Score: 5.80656
Type of gen. func.: ogf

{-a(n + 3) + 3 a(n + 2) - a(n + 1) - 2 a(n), a(0) = 0, a(1) = 1, a(2) = 0}

Sequence: A227200
Score: 7.51437
Type of gen. func.: ogf

$$2\,f(x)\,x^{3}+f(x)\,x^{2}-3\,f(x)\,x+3\,x^{2}+f(x)-x$$

Sequence: A227200
Score: 8.18874
Type of gen. func.: lgdogf

$$-\frac{12\,x^{3}-3\,x^{2}-2\,x}{6\,x^{4}+x^{3}-10\,x^{2}+6\,x-1}$$

Sequence: A227209
Score: 11.2126
Type of gen. func.: ogf

```
                          ----------------------------
                                                      2
                          (4 x - 1) (2 x - 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A227209
Score: 4.46752
Type of gen. func.: ogf


(291527 f(x) + 85760)

             4             3             2
    (8 f(x) x  - 22 f(x) x  + 21 f(x) x  - 8 f(x) x + f(x) - 1)



------------------------------------------------------------------------------

Sequence:  A227209
Score: 8.53496
Type of gen. func.: lgdogf


                                     2
                                 32 x  - 34 x + 8
                            - -----------------------
                                 3       2
                              8 x  - 14 x  + 7 x - 1



------------------------------------------------------------------------------

Sequence:  A227216
Score: 9.00984
Type of gen. func.: ogf_with_Euler_transform]


                                   3    2
                                2 x  - x  + x + 3
                            - ---------------------
                                4    3    2
                              -x  - x  - x  - x - 1



------------------------------------------------------------------------------

Sequence:  A227226
Score: 12.5768
Type of gen. func.: ogf_with_Euler_transform]


                                  3      2
                              -4 x  + 4 x  - 2 x - 4
                            - -----------------------
                                    4    2
                                   x  + x  + 1



------------------------------------------------------------------------------

Sequence:  A227229
Score: 16.6886
Type of gen. func.: ogf_with_Euler_transform]
```

$$-\frac{4 x^{2} - 6 x + 6}{-x^{3} - 1}$$

Sequence: A227252
Score: 6.38796
Type of gen. func.: ogf

$$\frac{x^{6} - 7 x^{5} + 20 x^{4} - 26 x^{3} + 21 x^{2} - 9 x + 2}{(x - 1)^{6}}$$

Sequence: A227259
Score: 7.90474
Type of gen. func.: lgdogf

$$-\frac{x^{4} - 6 x^{3} + 9 x^{2} - 8 x + 9}{x^{5} - 6 x^{4} + 13 x^{3} - 14 x^{2} + 9 x - 3}$$

Sequence: A227259
Score: 8.15437
Type of gen. func.: ogf

$$-\frac{x^{4} - 5 x^{3} + 8 x^{2} - 6 x + 3}{(x - 1)^{5}}$$

Sequence: A227265
Score: 7.87277
Type of gen. func.: lgdogf

$$-\frac{-x^{4} - 4 x^{3} + 18 x^{2} - 16 x + 8}{-x^{5} + x^{4} + 6 x^{3} - 13 x^{2} + 10 x - 3}$$

Sequence: A227265
Score: 9.04916
Type of gen. func.: ogf

$$\frac{x^4 - 6x^2 + 7x - 3}{(x-1)^5}$$

Sequence: A227273
Score: 10.1831
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(4x-1)(20x-1)(35x-1)(10x-1)}$$

Sequence: A227300
Score: 13.9694
Type of gen. func.: ogf

$$-\frac{x^3 - x - 1}{x^6 - 2x^3 - x + 1}$$

Sequence: A227316
Score: 5.47208
Type of gen. func.: ogf

$$-\frac{x(x^6 + 3x^5 + 9x^2 - 3x + 2)}{(x-1)^3 (x^2+1)^3}$$

Sequence: A227317
Score: 17.4305
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-8x + 2}{x^2 - 1}$$

Sequence: A227327
Score: 7.55822
Type of gen. func.: ogf

$$-\frac{x\,(x^3 - x^2 + x + 1)}{(x + 1)^2\,(x - 1)^5}$$

Sequence: A227327
Score: 9.01833
Type of gen. func.: lgdogf

$$-\frac{-4\,x^4 + 2\,x^3 - 6\,x^2 - 8\,x - 4}{-x^5 + x^4 - 2\,x^2 + x + 1}$$

Sequence: A227329
Score: 4.13850
Type of gen. func.: ogf

$$-\frac{2\,x^9 - 13\,x^8 + 30\,x^7 - 37\,x^6 + 43\,x^5 - 69\,x^4 + 84\,x^3 - 58\,x^2 + 21\,x - 4}{(x - 1)^8}$$

Sequence: A227347
Score: 9.90430
Type of gen. func.: ogf

$$\frac{x\,(3\,x^2 + 4\,x + 3)}{(x + 1)\,(x^2 + x + 1)\,(x - 1)^4}$$

Sequence: A227353
Score: 10.0882
Type of gen. func.: ogf

$$-\frac{x\,(x^3 + x^2 + 1)}{(x^4 + x^3 + x^2 + x + 1)\,(x - 1)^3}$$

Sequence: A227356
Score: 7.94269
Type of gen. func.: ogf

$$-\frac{(x^2 - x + 1)(x + 1)}{(x - 1)(x^2 + x - 1)(x^4 + x^2 - 1)}$$

Sequence: A227375
Score: 5.62929
Type of gen. func.: ogf

$$-\frac{(x^4 + x - 1)(x^5 + x^4 + x^3 - x - 1)}{(x - 1)(x^4 + x^3 + x^2 + x + 1)(x^7 + x^6 + x^5 - x^3 - x^2 - x + 1)}$$

Sequence: A227376
Score: 13.7340
Type of gen. func.: ogf

$$\frac{1}{x^7 + x^6 + x^5 - x^3 - x^2 - x + 1}$$

Sequence: A227376
Score: 7.97062
Type of gen. func.: lgdogf

$$-\frac{-7x^6 - 6x^5 - 5x^4 + 3x^2 + 2x + 1}{-x^7 - x^6 - x^5 + x^3 + x^2 + x - 1}$$

Sequence: A227380
Score: 7.24181
Type of gen. func.: ogf

$$x(x^4 + 5x^2 - 2x + 2)$$

$$\frac{\quad}{(x-1)^2 (x^2+1)^2}$$

Sequence: A227392
Score: 5.18171
Type of gen. func.: ogf

$$\frac{2x^9 + 3x^8 + 3x^7 - 4x^6 - 2x^4 - 3x^3 - 2x^2 - 2x - 1}{(x-1)^3 (x+1)^3 (x^2+1)^3}$$

Sequence: A227394
Score: 7.05657
Type of gen. func.: ogf

$$-\frac{x^{15} - x^{14} + x^8 - x^7 - x^5 - x^4 - x^3 - x^2 - 1}{(x^2 - x + 1)(x + 1)(x^2 + x + 1)(x - 1)^2}$$

Sequence: A227395
Score: 5.43153
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^{17} - 2x^{16} + x^{15} - x - 2}{x^{18} - x^{16} + x^2 - 1}$$

Sequence: A227398
Score: 9.40387
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{10} - x^9 + x^6 + x^4 - x + 1}{-x^{12} + 1}$$

Sequence: A227404
Score: 10.5223
Type of gen. func.: lgdegf]

$$-\frac{2x-8}{-x^3+5x^2-10x+6}$$

Sequence: A227404
Score: 7.05144
Type of gen. func.: egf]

$$f(x)\,(-x^4+12\,f(x)\,x^2+4\,x^3-24\,f(x)\,x-6\,x^2+12\,f(x))$$

Sequence: A227404
Score: 9.37141
Type of gen. func.: egf]

$$\frac{x^2\,(x^2-4x+6)}{12\,(x-1)^2}$$

Sequence: A227417
Score: 12.1298
Type of gen. func.: ogf

$$-\frac{7x^3-3x^2-4x-1}{(x^2+x+1)\,(x-1)^2}$$

Sequence: A227417
Score: 5.04189
Type of gen. func.: ogf

$\{(-n-16)\,a(n+1)-a(n+2)-a(n+3)+(n+15)\,a(n+4),\ a(0)=1,$

$a(1)=5,\ a(2)=8,\ a(3)=2\}$

Sequence: A227417
Score: 6.34056
Type of gen. func.: ogf

$-(21391 f(x) + 735587)$

$$(f(x) x^{4} - f(x) x^{3} + 7 x^{3} - f(x) x - 3 x^{2} + f(x) - 4 x - 1)$$

Sequence: A227430
Score: 8.21223
Type of gen. func.: ogf

$$\frac{x^{2} (x - 1)^{3}}{(2 x - 1) (x^{2} - x + 1) (3 x^{2} - 3 x + 1)}$$

Sequence: A227438
Score: 11.0017
Type of gen. func.: ogf

$$- \frac{2 (3 x^{2} + 2)}{6 x^{3} - 2 x^{2} + 4 x - 1}$$

Sequence: A227438
Score: 5.50086
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 2 a(n + 1) - 6 a(n), a(0) = 4, a(1) = 16, a(2) = 62\}$$

Sequence: A227438
Score: 5.50087
Type of gen. func.: ogf

$$-(25 f(x) - 291) (6 f(x) x^{3} - 2 f(x) x^{2} + 4 f(x) x + 6 x^{2} - f(x) + 4)$$

Sequence: A227438
Score: 6.81628
Type of gen. func.: lgdogf

```
                             4        2
                        -18 x  - 24 x  + 2 x - 8
                    - --------------------------------------
                              5      4       3      2
```

$$-18 x + 6 x - 24 x + 7 x - 8 x + 2$$

Sequence: A227451
Score: 10.8808
Type of gen. func.: ogf

$$\frac{x (4 x^3 - 3 x^2 + x + 1)}{(x - 1) (4 x - 1) (x + 1)}$$

Sequence: A227451
Score: 5.47791
Type of gen. func.: ogf

$\{-a(n + 5) + 4 a(n + 4) + a(n + 3) - 4 a(n + 2), a(0) = 0, a(1) = 1, a(2) = 5,$

$a(3) = 18, a(4) = 77\}$

Sequence: A227451
Score: 5.79779
Type of gen. func.: ogf

$-(180372 f(x) + 109373)$

$(4 f(x) x^3 - 4 x^4 - f(x) x^2 + 3 x^3 - 4 f(x) x - x^2 + f(x) - x)$

Sequence: A227451
Score: 7.28713
Type of gen. func.: lgdogf

$$- \frac{-8 x^4 + 40 x^3 - 13 x^2 + 4 x - 5}{16 x^6 - 16 x^5 - 9 x^4 + 19 x^3 - 8 x^2 - 3 x + 1}$$

Sequence: A227463
Score: 15.1237
Type of gen. func.: revegf]

$$\exp(-x) \operatorname{arcsinh}(x)$$

Sequence: A227464
Score: 16.7097
Type of gen. func.: revegf]

$$\exp(-x) \sin(x)$$

Sequence: A227465
Score: 15.8863
Type of gen. func.: revegf]

$$\exp(-x) \arctan(x)$$

Sequence: A227482
Score: 10.0034
Type of gen. func.: ogf

$$\frac{27 (1102 x^2 + 1849 x + 172)}{(2 x - 1) (x - 1) (4 x - 1)^2}$$

Sequence: A227482
Score: 4.69435
Type of gen. func.: ogf

$$(17987087098233179 f(x) + 99803813020728759567) (32 f(x) x^4 - 64 f(x) x^3 + 42 f(x) x^2 - 11 f(x) x - 29754 x^2 + f(x) - 49923 x - 4644)$$

Sequence: A227482
Score: 6.46375
Type of gen. func.: lgdogf

$$- \frac{-17632 x^4 - 31152 x^3 + 45876 x^2 - 2720 x - 3741}{-8816 x^5 + 636 x^4 + 16796 x^3 - 9433 x^2 + 645 x + 172}$$

Sequence: A227483
Score: 8.43305

Type of gen. func.: ogf

$$-\frac{3\,(134852\,x^3 + 651387\,x^2 + 252978\,x + 7843)}{(2\,x - 1)\,(x - 1)\,(4\,x - 1)^3}$$

Sequence: A227484
Score: 7.09550
Type of gen. func.: ogf

$$\frac{2\,(33200\,x^4 + 419644\,x^3 - 66470\,x^2 - 52522\,x - 213)}{(x - 1)\,(4\,x - 1)^2\,(2\,x - 1)^2}$$

Sequence: A227485
Score: 4.02416
Type of gen. func.: ogf

$$-(2325120\,x^6 + 35155008\,x^5 + 8025448\,x^4 - 23338464\,x^3 + 4259002\,x^2 + 772926\,x + 1165) \Big/ ((x - 1)\,(4\,x - 1)^3\,(2\,x - 1)^3)$$

Sequence: A227486
Score: 6.65189
Type of gen. func.: ogf

$$-\frac{2\,(15360\,x^4 - 37248\,x^3 + 36008\,x^2 - 14510\,x + 2649)}{(x - 1)\,(4\,x - 1)^2\,(2\,x - 1)^2}$$

Sequence: A227487
Score: 4.55217
Type of gen. func.: ogf

$$-(790528\,x^6 - 2547712\,x^5 + 3259584\,x^4 - 2480544\,x^3 + 1033772\,x^2 - 252180\,x + 34255) \Big/ ((x - 1)\,(4\,x - 1)^3\,(2\,x - 1)^3)$$

Sequence: A227488
Score: 4.73789
Type of gen. func.: ogf

$$\frac{4 (352 x^4 + 33888 x^3 + 8782 x^2 - 11847 x - 548)}{(x - 1) (4 x - 1)^2 (2 x - 1)^2}$$

Sequence: A227489
Score: 3.32711
Type of gen. func.: ogf

$$(9728 x^6 - 5562240 x^5 - 6785696 x^4 + 8367736 x^3 - 522036 x^2 - 614326 x - 9801) / ((x - 1) (4 x - 1)^3 (2 x - 1)^3)$$

Sequence: A227490
Score: 3.22329
Type of gen. func.: ogf

$$(104407875605162024 f(x) + 417609493655245807869) (32 f(x) x^4 - 64 f(x) x^3 + 42 f(x) x^2 - 3816 x^3 - 11 f(x) x - 51840 x^2 + f(x) - 27999 x - 666)$$

Sequence: A227490
Score: 6.54946
Type of gen. func.: ogf

$$\frac{9 (424 x^3 + 5760 x^2 + 3111 x + 74)}{(2 x - 1) (x - 1) (4 x - 1)^2}$$

Sequence: A227491
Score: 5.07711
Type of gen. func.: ogf

4 3 2

$$-\frac{12 (1540 x + 91627 x + 145386 x + 23051 x + 161)}{(2 x - 1) (x - 1) (4 x - 1)^3}$$

Sequence: A227492
Score: 5.57619
Type of gen. func.: ogf

$$\frac{9 (192 x^4 + 1056 x^3 - 452 x^2 - 280 x - 3)}{(x - 1) (4 x - 1)^2 (2 x - 1)^2}$$

Sequence: A227493
Score: 4.66199
Type of gen. func.: ogf

$$\frac{6 (768 x^6 - 36032 x^5 + 39056 x^4 + 42748 x^3 - 17332 x^2 - 2309 x - 7)}{(x - 1) (4 x - 1)^3 (2 x - 1)^3}$$

Sequence: A227494
Score: 5.20765
Type of gen. func.: ogf

$$-\frac{3 (8192 x^4 + 576 x^3 + 5624 x^2 + 78 x + 479)}{(x - 1) (4 x - 1)^2 (2 x - 1)^2}$$

Sequence: A227495
Score: 3.96394
Type of gen. func.: ogf

$$- 3 (137216 x^6 - 886208 x^5 - 605152 x^4 - 65180 x^3 + 140000 x^2 + 14665 x + 1599) \Big/ ((x - 1) (4 x - 1)^3 (2 x - 1)^3)$$

Sequence: A227496

Score: 5.17469
Type of gen. func.: ogf

$$-\frac{2\,(198144\,x^4-497024\,x^3+453464\,x^2-185730\,x+29139)}{(x-1)\,(4\,x-1)^2\,(2\,x-1)^2}$$

Sequence: A227497
Score: 3.48470
Type of gen. func.: ogf

$$-(18911232\,x^6-62611456\,x^5+84286784\,x^4-59759584\,x^3+24097588\,x^2-5391180\,x+535169)\Big/\left((x-1)\,(4\,x-1)^3\,(2\,x-1)^3\right)$$

Sequence: A227508
Score: 8.63068
Type of gen. func.: ogf

$$-\frac{2\,x^{28}-2\,x^{26}+x^{22}-x^{20}+5\,x^{13}-5\,x^{12}-1}{(x-1)^2}$$

Sequence: A227512
Score: 5.67176
Type of gen. func.: ogf

$$\frac{x^7+8\,x^6+63\,x^5+72\,x^4+72\,x^3+72\,x^2+62\,x+10}{(x^4+x^3+x^2+x+1)\,(x-1)^4}$$

Sequence: A227513
Score: 5.97253
Type of gen. func.: ogf

$$\frac{10\,x^6+62\,x^5+73\,x^4+70\,x^3+73\,x^2+62\,x+10}{(x^4+x^3+x^2+x+1)\,(x-1)^4}$$

Sequence: A227524
Score: 15.3128
Type of gen. func.: ogf

$$-\frac{1}{(3 x - 1) (27 x - 1) (9 x - 1)}$$

Sequence: A227524
Score: 5.31520
Type of gen. func.: ogf

$$\{a(n + 3) - 39 a(n + 2) + 351 a(n + 1) - 729 a(n), a(0) = 1, a(1) = 39, a(2) = 1170\}$$

Sequence: A227524
Score: 5.90036
Type of gen. func.: ogf

$$(7651 f(x) - 891) (729 f(x) x^3 - 351 f(x) x^2 + 39 f(x) x - f(x) + 1)$$

Sequence: A227524
Score: 8.57519
Type of gen. func.: lgdogf

$$-\frac{2187 x^2 - 702 x + 39}{729 x^3 - 351 x^2 + 39 x - 1}$$

Sequence: A227528
Score: 11.8878
Type of gen. func.: egf]

$$4 \operatorname{hypergeom}([4/3, 5/3], [1/2], \frac{27 x}{8})$$

Sequence: A227528

Score: 6.19365
Type of gen. func.: ogf

$$\{(-27 n^2 - 135 n - 168) a(n + 1) + (8 n + 12) a(n + 2), a(0) = 4, a(1) = 60\}$$

Sequence: A227541
Score: 11.4108
Type of gen. func.: ogf

$$-\frac{x (3 x^2 + 7 x + 3)}{(x + 1) (x - 1)^3}$$

Sequence: A227541
Score: 6.2856
Type of gen. func.: ogf

$$(99 f(x) + 173) (f(x) x^4 - 2 f(x) x^3 + 3 x^3 + 2 f(x) x + 7 x^2 - f(x) + 3 x)$$

Sequence: A227541
Score: 9.88935
Type of gen. func.: lgdogf

$$-\frac{6 x^3 + 27 x^2 + 32 x + 13}{3 x^4 + 7 x^3 - 7 x - 3}$$

Sequence: A227542
Score: 12.5743
Type of gen. func.: ogf

$$\frac{x^2 (2 x^5 - 3 x^4 + x^3 + 2 x^2 - x + 1)}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A227545
Score: 11.7581
Type of gen. func.: lgdegf]

$$-\frac{-x^3+x^2+x+1}{-x^4+2x^2-1}$$

Sequence: A227545
Score: 3.66766
Type of gen. func.: egf]

$$\{(n+5)a(n+5)-a(n+4)+(-7-2n)a(n+3)-a(n+2)+(n+2)a(n+1), a(0)=1, a(1)=1, a(2)=1, a(3)=5/3, a(4)=5/3\}$$

Sequence: A227554
Score: 6.39963
Type of gen. func.: ogf

$$-\frac{x^5-8x^4+17x^3-21x^2+12x-4}{(x-1)^6}$$

Sequence: A227582
Score: 7.49800
Type of gen. func.: ogf

$$\frac{(x+1)(x^5-2x^4-x^3-x^2-x-2)}{(x^4+x^3+x^2+x+1)(x-1)^3}$$

Sequence: A227595
Score: 8.31900
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3x^5-2x^4-x^3+x^2-x-2}{x^6-1}$$

Sequence: A227624

Score: 4.23699
Type of gen. func.: ogf

$$\{(128 n^3 + 832 n^2 + 1784 n + 1260) a(n + 1) + (-27 n^2 - 81 n - 60) a(n + 2),$$
$$a(0) = 2, a(1) = 60\}$$

Sequence: A227637
Score: 7.53530
Type of gen. func.: ogf

$$- \frac{x^5 - x^4 - 2 x^3 + 6 x^2 - 5 x + 2}{(x - 1)^5}$$

Sequence: A227653
Score: 10.8176
Type of gen. func.: ogf

$$- \frac{3 x^3 + x^2 + 3 x - 8}{(x - 1) (x^3 + x^2 + 2 x - 1)}$$

Sequence: A227653
Score: 6.27238
Type of gen. func.: ogf

$$(5 f(x) - 4) (f(x) x^4 + f(x) x^2 + 3 x^3 - 3 f(x) x + x^2 + f(x) + 3 x - 8)$$

Sequence: A227665
Score: 11.3016
Type of gen. func.: lgdogf

$$- \frac{2 x^2 - 4 x - 6}{2 x^3 + 5 x^2 - 8 x + 1}$$

Sequence: A227665

Score: 16.0734
Type of gen. func.: ogf

$$\frac{x - 1}{2 x^2 + 7 x - 1}$$

Sequence: A227665
Score: 8.21936
Type of gen. func.: ogf

$$(251 f(x) - 89) (2 f(x) x^2 + 7 f(x) x - f(x) - x + 1)$$

Sequence: A227665
Score: 8.82077
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A227666
Score: 4.75503
Type of gen. func.: ogf

$$\{-a(n + 4) + 40 a(n + 3) - 89 a(n + 2) + 220 a(n + 1), a(0) = 1, a(1) = 24,$$
$$a(2) = 896, a(3) = 33904\}$$

Sequence: A227666
Score: 4.92733
Type of gen. func.: ogf

$$-(-28041 + 76457 f(x))$$
$$(220 f(x) x^3 - 89 f(x) x^2 - 20 x^3 + 40 f(x) x + 25 x^2 - f(x) - 16 x + 1)$$

Sequence: A227666
Score: 8.94697
Type of gen. func.: ogf

$$\frac{20 x^3 - 25 x^2 + 16 x - 1}{}$$

$$220 x^3 - 89 x^2 + 40 x - 1$$

Sequence: A227675
Score: 5.56794
Type of gen. func.: ogf

$$-\frac{x^6 - 5 x^5 + 14 x^4 - 23 x^3 + 22 x^2 - 12 x + 4}{(x - 1)^7}$$

Sequence: A227695
Score: 17.2206
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-8 x - 10}{x^2 - 1}$$

Sequence: A227696
Score: 6.02538
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^7 - x^6 + 2 x^5 + 2 x^4 - x^3 - 2 x^2 - 2 x + 1}{x^8 + x^4 + 1}$$

Sequence: A227699
Score: 4.86316
Type of gen. func.: ogf

$$-\frac{794944 x^4 - 1488480 x^3 + 1048900 x^2 - 309300 x + 34081}{(x - 1) (4 x - 1)^2 (2 x - 1)^2}$$

Sequence: A227700
Score: 3.67031
Type of gen. func.: ogf

$$- (45232640 x^{6} - 120811392 x^{5} + 131188512 x^{4} - 75420072 x^{3} + 24021228 x^{2} - 4069110 x + 299671) \Big/ ((x - 1) (4 x - 1)^{3} (2 x - 1)^{3})$$

Sequence: A227701
Score: 5.49610
Type of gen. func.: ogf

$$- \frac{3 (673216 x^{4} - 1140192 x^{3} + 694732 x^{2} - 176880 x + 16093)}{(x - 1) (4 x - 1)^{2} (2 x - 1)^{2}}$$

Sequence: A227702
Score: 3.42002
Type of gen. func.: ogf

$$- 2 (66777344 x^{6} - 165722176 x^{5} + 167355376 x^{4} - 87769804 x^{3} + 25124080 x^{2} - 3726067 x + 224954) \Big/ ((x - 1) (4 x - 1)^{3} (2 x - 1)^{3})$$

Sequence: A227703
Score: 3.71944
Type of gen. func.: ogf

$$\{(27 n^{2} + 172 n + 236) a(n + 1) + (40 n^{2} + 575 n + 1365) a(n + 2) + (-67 n^{2} - 465 n - 792) a(n + 3), a(0) = 52, a(1) = 150, a(2) = 328\}$$

Sequence: A227703
Score: 4.74046
Type of gen. func.: ogf

$$(846504 f(x) + 25752073) (f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} + 10 x^{3} - 4 f(x) x - 40 x^{2} + f(x) + 58 x - 52)$$

Sequence: A227703
Score: 8.33668
Type of gen. func.: lgdogf

$$-\frac{-5 x^3 + 25 x^2 - 47 x + 75}{-5 x^4 + 25 x^3 - 49 x^2 + 55 x - 26}$$

Sequence: A227703
Score: 8.95421
Type of gen. func.: ogf

$$-\frac{2 (5 x^3 - 20 x^2 + 29 x - 26)}{(x - 1)^4}$$

Sequence: A227704
Score: 7.03341
Type of gen. func.: ogf

$$-\frac{15 x^4 - 75 x^3 + 147 x^2 - 137 x + 82}{(x - 1)^5}$$

Sequence: A227705
Score: 3.09105
Type of gen. func.: ogf

$$\{(-32 n - 136) a(n + 1) + (56 n + 230) a(n + 2) + (-28 n - 107) a(n + 3) + (4 n + 13) a(n + 4), a(0) = 198, a(1) = 3834, a(2) = 34434, a(3) = 230418\}$$

Sequence: A227705
Score: 4.2502
Type of gen. func.: ogf

$$(2730097555 f(x) + 487491987594) (32 f(x) x^4 - 64 f(x) x^3 + 42 f(x) x^2 - 11 f(x) x - 576 x^2 + f(x) - 1656 x - 198)$$

Sequence: A227705
Score: 8.50039
Type of gen. func.: ogf

$$\frac{18 (4 x + 11) (8 x + 1)}{(2 x - 1) (x - 1) (4 x - 1)^2}$$

Sequence: A227706
Score: 6.58993
Type of gen. func.: ogf

$$- \frac{9 (384 x^3 + 1808 x^2 + 1040 x + 53)}{(2 x - 1) (x - 1) (4 x - 1)^3}$$

Sequence: A227707
Score: 12.0007
Type of gen. func.: ogf

$$- \frac{6 (8 x^2 - 7 x + 2)}{(2 x - 1) (4 x - 1)^2}$$

Sequence: A227707
Score: 6.64502
Type of gen. func.: ogf

$$(139 f(x) + 222) (32 f(x) x^3 - 32 f(x) x^2 + 10 f(x) x + 48 x^2 - f(x) - 42 x + 12)$$

Sequence: A227707
Score: 6.75670
Type of gen. func.: ogf

{a(n + 3) - 10 a(n + 2) + 32 a(n + 1) - 32 a(n), a(0) = 12, a(1) = 78,

a(2) = 444}

Sequence: A227707
Score: 9.03424
Type of gen. func.: lgdogf

$$-\frac{64 x^3 - 96 x^2 + 60 x - 13}{64 x^4 - 104 x^3 + 66 x^2 - 19 x + 2}$$

Sequence: A227708
Score: 5.76284
Type of gen. func.: ogf

$$-\frac{6 (288 x^4 - 560 x^3 + 408 x^2 - 123 x + 14)}{(x - 1) (4 x - 1)^2 (2 x - 1)^2}$$

Sequence: A227709
Score: 4.25499
Type of gen. func.: ogf

$$-\frac{3 (7168 x^6 - 19328 x^5 + 21456 x^4 - 12636 x^3 + 4100 x^2 - 705 x + 53)}{(x - 1) (4 x - 1)^3 (2 x - 1)^3}$$

Sequence: A227710
Score: 4.35049
Type of gen. func.: ogf

$$-\frac{36 (2304 x^4 - 4520 x^3 + 3006 x^2 - 3099 x + 1310)}{(x - 1) (4 x - 1)^2 (2 x - 1)^2}$$

Sequence: A227711
Score: 3.74109
Type of gen. func.: ogf

6 5 4 3 2

$$- 3 (762880 x - 2158592 x + 2889984 x - 612832 x - 400012 x - 183720 x + 134643) / ((x - 1) (4 x - 1)^3 (2 x - 1)^3)$$

Sequence: A227712
Score: 13.0675
Type of gen. func.: ogf

$$- \frac{5 x^2 - 6 x + 4}{(2 x - 1) (x - 1)^2}$$

Sequence: A227712
Score: 6.99228
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 4, a(1) = 10, a(2) = 25\}$$

Sequence: A227712
Score: 7.11714
Type of gen. func.: ogf

$$(17 f(x) + 7) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x + 5 x^2 - f(x) - 6 x + 4)$$

Sequence: A227712
Score: 9.05818
Type of gen. func.: lgdogf

$$- \frac{10 x^3 - 14 x^2 + 20 x - 10}{10 x^4 - 27 x^3 + 31 x^2 - 18 x + 4}$$

Sequence: A227719
Score: 8.19586
Type of gen. func.: ogf

$$\frac{x^5 - 2 x^4 - 6 x^3 - 6 x^2 - 6 x - 5}{}$$

$$(x+1)(x^2+1)(x-1)^3$$

Sequence: A227720
Score: 8.90088
Type of gen. func.: ogf

$$-\frac{x^4+5x^3+7x^2+6x+5}{(x+1)(x^2+1)(x-1)^3}$$

Sequence: A227721
Score: 12.2037
Type of gen. func.: lgdogf

$$-\frac{-2x^2+10x-44}{-2x^3+9x^2-24x+17}$$

Sequence: A227721
Score: 13.3847
Type of gen. func.: ogf

$$-\frac{2x^2-7x+17}{(x-1)^3}$$

Sequence: A227721
Score: 6.97355
Type of gen. func.: ogf

$$(2672 f(x) - 32515) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x) - 7 x + 17)$$

Sequence: A227721
Score: 7.21610
Type of gen. func.: ogf

$$\{a(n+3) - 3 a(n+2) + 3 a(n+1) - a(n), a(0) = 17, a(1) = 44, a(2) = 83\}$$

Sequence: A227726
Score: 6.40850
Type of gen. func.: ogf

$$\{(-27 n^2 - 27 n - 6) a(n) + (4 n^2 + 6 n + 2) a(n + 1), a(0) = 1, a(1) = 4\}$$

Sequence: A227726
Score: 6.58171
Type of gen. func.: ogf

$$-27 f(x)^3 x + 4 f(x)^3 - 27 f(x)^2 x + 4 f(x)^2 - 9 f(x) x - 4 f(x) - x - 4$$

Sequence: A227728
Score: 4.24951
Type of gen. func.: ogf

$$-\frac{4 x^9 - 4 x^8 + 3 x^7 - 4 x^6 + 3 x^5 - 4 x^4 + 3 x^3 - 4 x^2 + 7 x - 10}{(x - 1) (2 x^9 + 2 x^7 + 2 x^5 + 2 x^3 + 4 x - 1)}$$

Sequence: A227747
Score: 6.59555
Type of gen. func.: ogf

$$-\frac{x^5 - 5 x^3 - 11 x^2 - 9 x - 4}{x^6 - x^5 - 4 x^4 - 8 x^3 - 4 x^2 - x + 1}$$

Sequence: A227776
Score: 12.4582
Type of gen. func.: lgdogf

$$-\frac{-x^2 - 10 x - 25}{-x^3 - 3 x^2 - 3 x + 7}$$

Sequence: A227776
Score: 13.4793
Type of gen. func.: ogf

$$-\frac{x^2 + 4 x + 7}{(x - 1)^3}$$

Sequence: A227776
Score: 7.21262
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 7, a(1) = 25, a(2) = 55\}$$

Sequence: A227776
Score: 7.40756
Type of gen. func.: ogf

$$(f(x) - 7) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 4 x + 7)$$

Sequence: A227786
Score: 12.3653
Type of gen. func.: ogf

$$\frac{x^3 + x^2 - 5 x - 1}{(x + 1) (x - 1)^3}$$

Sequence: A227786
Score: 6.99349
Type of gen. func.: ogf

$$(84 f(x) - 853) (f(x) x^4 - 2 f(x) x^3 - x^3 + 2 f(x) x - x^2 - f(x) + 5 x + 1)$$

Sequence: A227786
Score: 8.70619
Type of gen. func.: lgdogf

$$-\frac{-x^4 - 4x^3 + 10x^2 + 12x + 7}{-x^5 - x^4 + 6x^3 + 2x^2 - 5x - 1}$$

Sequence: A227792
Score: 6.11207
Type of gen. func.: ogf

$$-(736 f(x) + 3009) (f(x) x^4 + 3 x^4 - 6 f(x) x^2 + x^3 - 17 x^2 + f(x) - 6 x - 1)$$

Sequence: A227792
Score: 9.82888
Type of gen. func.: ogf

$$-\frac{3x^4 + x^3 - 17x^2 - 6x - 1}{(x^2 + 2x - 1)(x^2 - 2x - 1)}$$

Sequence: A227804
Score: 5.42814
Type of gen. func.: ogf

$$(41 f(x) - 152) (f(x) x^4 - 2 f(x) x^3 + 3 f(x) x^2 + 8 x^3 - 3 f(x) x - 12 x^2 + f(x) + 18 x - 15)$$

Sequence: A227804
Score: 9.70281
Type of gen. func.: ogf

$$-\frac{8x^3 - 12x^2 + 18x - 15}{(x - 1)(x^3 - x^2 + 2x - 1)}$$

Sequence: A227805
Score: 11.6789
Type of gen. func.: ogf

$$-\frac{2\,(2\,x^{2}+4\,x+1)}{(x-1)\,(x+1)^{2}}$$

Sequence: A227805
Score: 6.24926
Type of gen. func.: ogf

$$(92\,f(x)-535)\,(f(x)\,x^{3}+f(x)\,x^{2}-f(x)\,x+4\,x^{2}-f(x)+8\,x+2)$$

Sequence: A227805
Score: 6.41815
Type of gen. func.: ogf

$$\{-a(n+3)-a(n+2)+a(n+1)+a(n),\ a(0)=2,\ a(1)=6,\ a(2)=0\}$$

Sequence: A227805
Score: 8.90519
Type of gen. func.: lgdogf

$$-\frac{-2\,x^{3}-6\,x^{2}-3\,x-3}{-2\,x^{4}-4\,x^{3}+x^{2}+4\,x+1}$$

Sequence: A227816
Score: 5.03140
Type of gen. func.: ogf

$$-\frac{6\,x^{8}-10\,x^{7}+8\,x^{6}-9\,x^{5}-3\,x^{4}+5\,x^{3}-4\,x^{2}-7\,x+16}{(x-1)\,(x^{8}-x^{7}+x^{6}-x^{5}-x^{4}-x^{2}-2\,x+1)}$$

Sequence: A227824
Score: 9.16355
Type of gen. func.: revogf

$$(-2\,x^{3}+(8\,x^{5}-4\,x^{4}+x^{2}-2\,x+1)^{1/2})\,x$$

```
               - -------------------------------------------
                                    4
                                 4 x  - 1
```

Sequence: A227832
Score: 4.81649
Type of gen. func.: ogf

$$-(700 f(x) - 2241) (f(x) x^3 + f(x) x^2 - f(x) x + 2 x^2 - f(x) + 5 x + 1)$$

Sequence: A227832
Score: 5.16053
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) + a(n + 1) + a(n), a(0) = 1, a(1) = 4, a(2) = -1\}$$

Sequence: A227832
Score: 9.47507
Type of gen. func.: ogf

$$-\frac{2 x^2 + 5 x + 1}{(x - 1) (x + 1)^2}$$

Sequence: A227849
Score: 7.82384
Type of gen. func.: ogf

$$\frac{x (x + 1) (x^6 - 3 x^5 + x^4 - x^3 + x^2 - 3 x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A227860
Score: 7.88857
Type of gen. func.: ogf

$$-\frac{x^2 (3 x^7 + 2 x^4 + 3 x^3 + x^2 + 2 x + 1)}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A227863
Score: 12.9444
Type of gen. func.: ogf

$$\frac{71 x^2 + 48 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A227863
Score: 6.79584
Type of gen. func.: ogf

$$(1320 f(x) - 53101) (f(x) x^3 - f(x) x^2 - f(x) x - 71 x^2 + f(x) - 48 x - 1)$$

Sequence: A227863
Score: 7.09130
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 49, a(2) = 121\}$$

Sequence: A227863
Score: 9.06111
Type of gen. func.: lgdogf

$$- \frac{-71 x^3 - 167 x^2 - 193 x - 49}{-71 x^4 - 48 x^3 + 70 x^2 + 48 x + 1}$$

Sequence: A227896
Score: 7.61624
Type of gen. func.: ogf

$$- (x^{16} + 3 x^{15} + 4 x^{14} - 4 x^{12} + x^{11} - 4 x^{10} + 4 x^9 - x^8 + 4 x^7 - 4 x^6 + x^5 - 4 x^4 + 4 x^2 + 3 x + 1) \Big/ ((x - 1) (x^{16} + 1))$$

Sequence: A227900
Score: 11.2266
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-12\,x^{4}-9\,x^{3}-9\,x^{2}-9\,x-9}{x^{5}-1}$$

Sequence: A227901
Score: 9.67882
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-12\,x^{4}-3\,x^{3}-3\,x^{2}-3\,x-3}{x^{5}-1}$$

Sequence: A227906
Score: 11.5271
Type of gen. func.: ogf

$$-\frac{x^{5}-x^{3}-4\,x-2}{(x+1)^{2}\,(x-1)^{2}}$$

Sequence: A227917
Score: 10.0024
Type of gen. func.: revegf]

$$1/2-1/2\,\frac{\exp\left(\frac{2}{x+1}\right)}{\exp(2)}$$

Sequence: A227918
Score: 5.02826
Type of gen. func.: ogf

$\{(-n - 4)\, a(n + 1) + a(n + 2) + (n + 6)\, a(n + 3) - a(n + 4), a(0) = 1, a(1) = 0,$

$a(2) = 5, a(3) = 22\}$

Sequence: A227937
Score: 147.323
Type of gen. func.: lgdegf]

$$x + 1/2\, x^2$$

Sequence: A227937
Score: 47.7318
Type of gen. func.: lgdegf]

$$x + 1/2\, x^2$$

Sequence: A227937
Score: 8.73523
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) + (2 n + 6) a(n + 2) - 2 a(n + 4), a(0) = 1, a(1) = 0,$$
$$a(2) = 1, a(3) = 1\}$$

Sequence: A227959
Score: 12.2101
Type of gen. func.: ogf

$$- \frac{x + 1}{4 x^5 + 2 x^4 + 2 x^3 + 4 x^2 - 1}$$

Sequence: A227965
Score: 7.77201
Type of gen. func.: ogf

$$- \frac{2 x^4 + 8 x^3 - 6 x^2 + 2 x - 11}{(x - 1) (x^4 + 5 x^3 + 2 x^2 + 4 x - 1)}$$

Sequence: A227970
Score: 7.76080
Type of gen. func.: ogf

$$-\frac{x^2 (x^4 + 4 x^3 + 14 x^2 + 4 x + 1)}{(x + 1)^3 (x - 1)^5}$$

Sequence: A227970
Score: 8.32522
Type of gen. func.: lgdogf

$$-\frac{4 x^5 + 22 x^4 + 96 x^3 + 68 x^2 + 44 x + 6}{x^6 + 4 x^5 + 13 x^4 - 13 x^2 - 4 x - 1}$$

Sequence: A227972
Score: 7.22336
Type of gen. func.: ogf

$$-\frac{2 x^{11} - x^{10} - x^9 + x^8 - 4 x^7 + 3 x^6 - 2 x^5 - x^4 - x^3 - x^2 - 1}{(x^6 + 2 x^3 - 1) (x^6 - 2 x^3 - 1)}$$

Sequence: A227978
Score: 7.98944
Type of gen. func.: ogf

$$\frac{2 x^5 - 2 x^4 - x^3 + 5 x^2 - 4 x + 1}{(2 x - 1)^2 (x - 1)^2}$$

Sequence: A228002
Score: 3.86812
Type of gen. func.: ogf

$$\{(-16 n^2 - 80 n - 100) a(n + 1) + (-15 n^2 - 74 n - 91) a(n + 2)$$

$$+ (n^2 + 6 n + 9) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 33\}$$

Sequence: A228012
Score: 6.72763
Type of gen. func.: ogf

$$\frac{x^9 - 2x^7 - x^6 + x^5 + x^4 - 3x - 1}{(x + 1)^2 (x^2 + 1) (x - 1)^3}$$

Sequence: A228016
Score: 10.4641
Type of gen. func.: ogf

$$-\frac{5x^2 - 55x + 54}{(x - 1)(x^2 - 10x + 1)}$$

Sequence: A228016
Score: 4.96471
Type of gen. func.: ogf

$$-(4019473896 f(x) + 2034242471)$$

$$(f(x) x^3 - 11 f(x) x^2 + 11 f(x) x + 5 x^2 - f(x) - 55 x + 54)$$

Sequence: A228016
Score: 5.66805
Type of gen. func.: ogf

$\{-a(n + 3) + 11 a(n + 2) - 11 a(n + 1) + a(n), a(0) = 54, a(1) = 539,$

$a(2) = 5340\}$

Sequence: A228016
Score: 5.91449
Type of gen. func.: lgdogf

```
                 4        3        2
            -5 x  + 110 x  - 712 x  + 1178 x - 539
      - ----------------------------------------------
            5        4        3         2
```

$$-5 x + 110 x - 714 x + 1204 x - 649 x + 54$$

Sequence: A228017
Score: 6.30785
Type of gen. func.: ogf_with_Euler_transform]

$$[2]$$

Sequence: A228025
Score: 11.5520
Type of gen. func.: ogf

$$-\frac{5 x^2 - 24 x + 20}{(x - 1) (x^2 - 4 x + 1)}$$

Sequence: A228025
Score: 6.22029
Type of gen. func.: ogf

$$(253 f(x) + 355) (f(x) x^3 - 5 f(x) x^2 + 5 f(x) x + 5 x^2 - f(x) - 24 x + 20)$$

Sequence: A228025
Score: 6.27391
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 5 a(n + 1) - a(n), a(0) = 20, a(1) = 76, a(2) = 285\}$$

Sequence: A228025
Score: 6.61612
Type of gen. func.: lgdogf

$$-\frac{-5 x^4 + 48 x^3 - 155 x^2 + 190 x - 76}{-5 x^5 + 49 x^4 - 165 x^3 + 225 x^2 - 124 x + 20}$$

Sequence: A228052

Score: 10.0084
Type of gen. func.: ogf_with_Euler_transform]

$$-42212277303475883571 x^8 + 42212277303475883571 x^7 + 2$$

Sequence: A228078
Score: 11.2946
Type of gen. func.: ogf

$$\frac{x^2 (3 x - 2)}{(2 x - 1) (x - 1) (x^2 + x - 1)}$$

Sequence: A228078
Score: 5.90398
Type of gen. func.: ogf

$$(47 f(x) + 341)$$

$$(2 f(x) x^4 - f(x) x^3 - 4 f(x) x^2 - 3 x^3 + 4 f(x) x + 2 x^2 - f(x))$$

Sequence: A228078
Score: 7.64045
Type of gen. func.: lgdogf

$$- \frac{-18 x^4 + 22 x^3 + 6 x^2 - 16 x + 5}{-6 x^5 + 7 x^4 + 10 x^3 - 20 x^2 + 11 x - 2}$$

Sequence: A228080
Score: 3.50976
Type of gen. func.: ogf

$$\{(-3125 n^4 - 25000 n^3 - 74375 n^2 - 97500 n - 47520) a(n + 1)$$

$$+ (n^4 + 8 n^3 + 24 n^2 + 32 n + 16) a(n + 2), a(0) = 1, a(1) = 2520\}$$

Sequence: A228081

Score: 14.1518
Type of gen. func.: ogf

$$-\frac{65 x - 2}{(64 x - 1)(x - 1)}$$

Sequence: A228081
Score: 6.93147
Type of gen. func.: ogf

$$-(3969 f(x) - 3713)(64 f(x) x^2 - 65 f(x) x + f(x) + 65 x - 2)$$

Sequence: A228081
Score: 7.99159
Type of gen. func.: ogf

$$\{a(n + 2) - 65 a(n + 1) + 64 a(n), a(0) = 2, a(1) = 65\}$$

Sequence: A228081
Score: 8.70878
Type of gen. func.: lgdogf

$$-\frac{-4160 x^2 + 256 x - 65}{-4160 x^3 + 4353 x^2 - 195 x + 2}$$

Sequence: A228105
Score: 4.73523
Type of gen. func.: ogf

$$-\frac{432 x (x + 1)(x^4 + 56 x^3 + 246 x^2 + 56 x + 1)}{(x - 1)^7}$$

Sequence: A228124
Score: 6.88354
Type of gen. func.: ogf

5 4 3 2

$$\frac{x + 4 x + 22 x + 13 x + 13 x + 1}{(x+1)^{3} (x-1)^{4}}$$

Sequence: A228137
Score: 13.4016
Type of gen. func.: ogf

$$\frac{8 x^{2} + 3 x + 1}{(x+1) (x-1)^{2}}$$

Sequence: A228137
Score: 6.75617
Type of gen. func.: ogf

$$-(384 f(x) + 10361) (f(x) x^{3} - f(x) x^{2} - f(x) x - 8 x^{2} + f(x) - 3 x - 1)$$

Sequence: A228137
Score: 7.23447
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 4, a(2) = 13\}$$

Sequence: A228137
Score: 9.96945
Type of gen. func.: lgdogf

$$-\frac{8 x^{3} + 14 x^{2} + 22 x + 4}{8 x^{4} + 3 x^{3} - 7 x^{2} - 3 x - 1}$$

Sequence: A228138
Score: 8.07776
Type of gen. func.: ogf

$$\frac{3 x^{5} - 3 x^{4} - 12 x^{3} + x^{2} - 9 x - 4}{{}^{2} \qquad {}^{3}}$$

$$(x + 1) (x - 1)$$

Sequence: A228141
Score: 13.3180
Type of gen. func.: ogf

$$\frac{15 x^2 + 4 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A228141
Score: 6.82413
Type of gen. func.: ogf

$$-(140 f(x) + 4363) (f(x) x^3 - f(x) x^2 - f(x) x - 15 x^2 + f(x) - 4 x - 1)$$

Sequence: A228141
Score: 7.30725
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 5, a(2) = 21\}$$

Sequence: A228141
Score: 9.71434
Type of gen. func.: lgdogf

$$- \frac{15 x^3 + 23 x^2 + 37 x + 5}{15 x^4 + 4 x^3 - 14 x^2 - 4 x - 1}$$

Sequence: A228142
Score: 7.87816
Type of gen. func.: lgdogf

$$- \frac{-24 x^4 - 33 x^3 - 123 x^2 - 39 x - 21}{-12 x^5 - 7 x^4 - 8 x^3 + 6 x^2 + 20 x + 1}$$

Sequence: A228142
Score: 9.41757
Type of gen. func.: ogf

$$-\frac{12 x^{3} + 7 x^{2} + 20 x + 1}{(x + 1)^{2} (x - 1)^{3}}$$

Sequence: A228157
Score: 6.47126
Type of gen. func.: ogf

$$-\frac{x^{9} - 12 x^{8} - 11 x^{7} - 11 x^{6} - 11 x^{5} - 11 x^{4} - 11 x^{3} - 11 x^{2} - 11 x - 12}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A228158
Score: 14.0349
Type of gen. func.: ogf

$$\frac{2 (8 x + 1)}{(x - 1) (x + 1) (10 x^{2} - 1)}$$

Sequence: A228158
Score: 6.95061
Type of gen. func.: lgdogf

$$-\frac{-240 x^{4} - 40 x^{3} + 88 x^{2} + 22 x + 8}{-80 x^{5} - 10 x^{4} + 88 x^{3} + 11 x^{2} - 8 x - 1}$$

Sequence: A228158
Score: 7.37185
Type of gen. func.: ogf

$$(323559 f(x) - 4006682) (10 f(x) x^{4} - 11 f(x) x^{2} + f(x) - 16 x - 2)$$

Sequence: A228173
Score: 17.1514
Type of gen. func.: revegf]

$$x - 1 + \exp(-x^2)$$

Sequence: A228180
Score: 5.97508
Type of gen. func.: ogf

$$f(x)^2 x^3 - 2 f(x)^2 x^2 + 4 f(x) x^3 + f(x)^2 x - 11 f(x) x^2 + 4 x^3 + 9 f(x) x - 5 x^2 - 2 f(x) + 2 x$$

Sequence: A228197
Score: 4.07515
Type of gen. func.: ogf

$$\{(-32 n - 48) a(n + 1) + (32 n + 60) a(n + 2) + (-24 - 10 n) a(n + 3) + (n + 3) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 8, a(3) = 36\}$$

Sequence: A228197
Score: 4.52052
Type of gen. func.: ogf

$$-64 f(x)^2 x^4 + 96 f(x)^2 x^3 - 52 f(x)^2 x^2 - 32 f(x) x^3 + 12 f(x)^2 x + 40 f(x) x^2 - 16 x^3 - f(x)^2 - 16 f(x) x + 2 f(x) + 4 x - 1$$

Sequence: A228203
Score: 6.45806
Type of gen. func.: ogf

$$- \frac{4 (x - 1) (3 x^6 + 13 x^5 + 68 x^4 + 260 x^3 + 68 x^2 + 13 x + 3)}{(x^4 - 36 x^2 - 1) (x^4 + 36 x^2 - 1)}$$

Sequence: A228204
Score: 6.35381
Type of gen. func.: ogf

$$\frac{(x + 1) (3 x^6 + 8 x^5 + 53 x^4 + 160 x^3 + 53 x^2 + 8 x + 3)}{(x^4 - 36 x^2 - 1) (x^4 + 36 x^2 - 1)}$$

Sequence: A228205
Score: 7.22392
Type of gen. func.: ogf

$$- \frac{(x - 1) (11 x^6 + 26 x^5 + 50 x^4 + 91 x^3 + 50 x^2 + 26 x + 11)}{(x^4 + 3 x^2 - 1) (x^4 - 3 x^2 - 1)}$$

Sequence: A228206
Score: 7.82177
Type of gen. func.: ogf

$$\frac{(x + 1) (x^6 + 2 x^5 + 4 x^4 + 7 x^3 + 4 x^2 + 2 x + 1)}{(x^4 + 3 x^2 - 1) (x^4 - 3 x^2 - 1)}$$

Sequence: A228207
Score: 11.5815
Type of gen. func.: ogf

$$- \frac{2 (x - 1) (7 x^2 + 15 x + 7)}{(x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A228207
Score: 7.26477
Type of gen. func.: ogf

$$(440 f(x) - 1659) (f(x) x^4 - 3 f(x) x^2 + 14 x^3 + 16 x^2 + f(x) - 16 x - 14)$$

Sequence: A228208
Score: 12.1440
Type of gen. func.: ogf

$$\frac{(x + 1)\,(x^2 + x + 1)}{(x^2 + x - 1)\,(x^2 - x - 1)}$$

Sequence: A228208
Score: 7.66365
Type of gen. func.: ogf

$$(176\, f(x) - 1)\,(f(x)\, x^4 - 3\, f(x)\, x^2 - x^3 - 2\, x^2 + f(x) - 2\, x - 1)$$

Sequence: A228209
Score: 9.03448
Type of gen. func.: ogf

$$-\frac{7\, x^5 + 13\, x^4 + 57\, x^3 - 13\, x^2 - 7\, x - 3}{x^6 - 38\, x^3 + 1}$$

Sequence: A228210
Score: 12.2771
Type of gen. func.: ogf

$$-\frac{(x - 1)\,(7\, x^2 + 15\, x + 7)}{(x^2 + x - 1)\,(x^2 - x - 1)}$$

Sequence: A228210
Score: 7.25466
Type of gen. func.: ogf

$$-(880\, f(x) - 1659)\,(f(x)\, x^4 - 3\, f(x)\, x^2 + 7\, x^3 + 8\, x^2 + f(x) - 8\, x - 7)$$

Sequence: A228212
Score: 5.10491
Type of gen. func.: ogf

$$(15559467 f(x) + 1303412785)$$

$$(72 x^4 + 6 f(x) x^2 + 36 x^3 - 5 f(x) x - 8 x^2 + f(x) - 4 x - 9)$$

Sequence: A228212
Score: 9.13130
Type of gen. func.: ogf

$$- \frac{72 x^4 + 36 x^3 - 8 x^2 - 4 x - 9}{(3 x - 1) (2 x - 1)}$$

Sequence: A228213
Score: 6.15117
Type of gen. func.: ogf

$$- \frac{1728 x^6 + 1584 x^5 + 504 x^4 - 12 x^3 - 60 x^2 - 12 x - 13}{(4 x - 1) (3 x - 1)}$$

Sequence: A228214
Score: 4.42844
Type of gen. func.: ogf

$$- (57600 x^8 + 66240 x^7 + 33408 x^6 + 8688 x^5 + 624 x^4 - 384 x^3 - 176 x^2 - 24 x - 17)/((5 x - 1) (4 x - 1))$$

Sequence: A228219
Score: 11.7077
Type of gen. func.: lgdogf

$$- \frac{-x^2 - 10 x - 49}{-x^3 - 3 x^2 - 11 x + 15}$$

Sequence: A228219
Score: 12.8407
Type of gen. func.: ogf

$$-\frac{x^2 + 4 x + 15}{(x - 1)^3}$$

Sequence: A228219
Score: 6.57953
Type of gen. func.: ogf

$$(42425 f(x) - 597171) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 4 x + 15)$$

Sequence: A228219
Score: 6.86314
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 15, a(1) = 49, a(2) = 103}

Sequence: A228220
Score: 4.52361
Type of gen. func.: ogf

$$(5879536000 f(x) + 403061820263) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + x^3 - 4 f(x) x - 15 x^2 + f(x) - 75 x - 31)$$

Sequence: A228220
Score: 8.13234
Type of gen. func.: lgdogf

$$-\frac{-x^3 + 27 x^2 + 255 x + 199}{-x^4 + 16 x^3 + 60 x^2 - 44 x - 31}$$

Sequence: A228220
Score: 9.04722
Type of gen. func.: ogf

$$-\frac{x^3 - 15 x^2 - 75 x - 31}{(x - 1)^4}$$

Sequence: A228221
Score: 7.16802
Type of gen. func.: ogf

$$-\frac{x^4 - 30 x^3 + 456 x^2 + 350 x + 63}{(x - 1)^5}$$

Sequence: A228222
Score: 5.43347
Type of gen. func.: ogf

$$-\frac{x^5 + 475 x^4 - 2168 x^3 - 3604 x^2 - 1297 x - 127}{(x - 1)^6}$$

Sequence: A228223
Score: 4.23974
Type of gen. func.: ogf

$$-\frac{x^6 - 4616 x^5 + 8989 x^4 + 31136 x^3 + 20195 x^2 + 4520 x + 255}{(x - 1)^7}$$

Sequence: A228224
Score: 3.49217
Type of gen. func.: ogf

$$-\left(x^7 + 40313 x^6 - 16749 x^5 - 252785 x^4 - 256585 x^3 - 103401 x^2 - 15083 x - 511\right) / (x - 1)^8$$

Sequence: A228229
Score: 4.24982
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) + (-n^2 - 7 n - 13) a(n + 2) + a(n + 3), a(0) = 1,$$

$$a(1) = 3, a(2) = 19\}$$

Sequence: A228230
Score: 4.15371
Type of gen. func.: ogf

$$\{(-n^2 - 5 n - 6) a(n + 1) + (n^2 + 7 n + 14) a(n + 2) - 2 a(n + 3), a(0) = 1,$$

$$a(1) = 2, a(2) = 7\}$$

Sequence: A228254
Score: 4.46035
Type of gen. func.: ogf

$$(6188872553721 f(x) + 1584313496156311)$$

$$(264 x^4 + 6 f(x) x^2 + 188 x^3 - 5 f(x) x - 8 x^2 + f(x) - 58 x - 17)$$

Sequence: A228254
Score: 8.44492
Type of gen. func.: ogf

$$- \frac{264 x^4 + 188 x^3 - 8 x^2 - 58 x - 17}{(3 x - 1) (2 x - 1)}$$

Sequence: A228255
Score: 5.75418
Type of gen. func.: ogf

$$- \frac{768 x^6 + 2720 x^5 + 8488 x^4 - 184 x^3 - 578 x^2 - 144 x - 25}{(4 x - 1) (3 x - 1)}$$

Sequence: A228256
Score: 4.90740
Type of gen. func.: ogf

$$-(57600 x^7 + 163840 x^6 + 86008 x^5 + 35854 x^4 - 6844 x^3 - 1994 x^2 - 268 x - 33)$$

$$/((5 x - 1) (4 x - 1))$$

Sequence: A228261
Score: 10.9398
Type of gen. func.: ogf

$$-\frac{6 x^3 - 17 x^2 + 50 x + 31}{(x - 1)^3}$$

Sequence: A228261
Score: 5.66665
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 31, a(1) = 143,$$

$$a(2) = 319, a(3) = 565\}$$

Sequence: A228261
Score: 5.83456
Type of gen. func.: ogf

$$(2029825 f(x) - 82758411)$$

$$(f(x) x^3 - 3 f(x) x^2 + 6 x^3 + 3 f(x) x - 17 x^2 - f(x) + 50 x + 31)$$

Sequence: A228261
Score: 9.97044
Type of gen. func.: lgdogf

$$-\frac{-x^2 - 66 x - 143}{-6 x^4 + 23 x^3 - 67 x^2 + 19 x + 31}$$

Sequence: A228262
Score: 6.15257
Type of gen. func.: ogf

$$-\frac{40x^7-80x^6-30x^5+84x^4+151x^3-405x^2-369x-63}{(x-1)^4}$$

Sequence: A228263
Score: 3.28391
Type of gen. func.: ogf

$$-(648x^{12}-1952x^{11}+1016x^{10}+1856x^9-1496x^8-514x^7-1188x^6$$
$$+4468x^5-5211x^4+2970x^3+4908x^2+1424x+127)\;/\;(x-1)^5$$

Sequence: A228278
Score: 9.53820
Type of gen. func.: ogf

$$-\frac{x^3-x-2}{(x+1)(x^4-x^3-3x^2-2x+1)}$$

Sequence: A228279
Score: 5.34877
Type of gen. func.: ogf

$$\frac{(x-1)(2x^3-5x^2-6x-3)}{x^8-3x^7+x^6+6x^5-4x^4-15x^3-10x^2-x+1}$$

Sequence: A228290
Score: 6.18707
Type of gen. func.: ogf

$$-\frac{6x(7x^4+42x^3+56x^2+14x+1)}{{}^{7}}$$

$$(x - 1)$$

Sequence: A228290
Score: 7.04639
Type of gen. func.: lgdogf

$$-\frac{21 x^4 + 196 x^3 + 406 x^2 + 196 x + 21}{7 x^5 + 35 x^4 + 14 x^3 - 42 x^2 - 13 x - 1}$$

Sequence: A228291
Score: 4.95453
Type of gen. func.: ogf

$$\frac{x (x^6 + 78 x^5 + 981 x^4 + 2332 x^3 + 1443 x^2 + 198 x + 7)}{(x - 1)^8}$$

Sequence: A228292
Score: 4.34831
Type of gen. func.: ogf

$$-\frac{2 x (85 x^6 + 1695 x^5 + 7134 x^4 + 8254 x^3 + 2769 x^2 + 219 x + 4)}{(x - 1)^9}$$

Sequence: A228293
Score: 3.45054
Type of gen. func.: ogf

$$x (x^8 + 332 x^7 + 11388 x^6 + 77356 x^5 + 153950 x^4 + 99204 x^3 + 19708 x^2 + 932 x + 9) \Big/ (x - 1)^{10}$$

Sequence: A228305
Score: 11.1833
Type of gen. func.: ogf

$$(5 f(x) - 7) (2 f(x) x^2 - x^2 - f(x) + 4 x + 3)$$

Sequence: A228305
Score: 11.4897
Type of gen. func.: lgdogf

$$- \frac{8 x^2 + 10 x + 4}{-2 x^4 + 8 x^3 + 7 x^2 - 4 x - 3}$$

Sequence: A228305
Score: 17.1173
Type of gen. func.: ogf

$$\frac{x^2 - 4 x - 3}{2 x^2 - 1}$$

Sequence: A228305
Score: 9.98510
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 1), a(0) = 3, a(1) = 4, a(2) = 5\}$$

Sequence: A228306
Score: 3.95680
Type of gen. func.: ogf

$$\{(9 n^2 + 81 n + 126) a(n + 1) + (-29 n^2 - 285 n - 586) a(n + 2)$$
$$+ (20 n^2 + 160 n + 300) a(n + 3), a(0) = 75, a(1) = 165, a(2) = 315\}$$

Sequence: A228306
Score: 7.37579
Type of gen. func.: ogf

$$3 (9 x^4 - 43 x^3 + 80 x^2 - 70 x + 25)$$

$$- \frac{}{(x - 1)^5}$$

Sequence: A228307
Score: 3.96944
Type of gen. func.: ogf

$$\{(13 n^2 + 117 n + 182) a(n + 1) + (-34 n^2 - 317 n - 633) a(n + 2) + (21 n^2 + 168 n + 315) a(n + 3), a(0) = 105, a(1) = 225, a(2) = 420\}$$

Sequence: A228307
Score: 7.44269
Type of gen. func.: ogf

$$- \frac{3 (13 x^4 - 62 x^3 + 115 x^2 - 100 x + 35)}{(x - 1)^5}$$

Sequence: A228310
Score: 10.2420
Type of gen. func.: ogf

$$- \frac{2 (32 x^2 - 24 x + 5)}{(4 x - 1)^3}$$

Sequence: A228310
Score: 5.71843
Type of gen. func.: ogf

$$(57 f(x) - 250) (64 f(x) x^3 - 48 f(x) x^2 + 12 f(x) x + 64 x^2 - f(x) - 48 x + 10)$$

Sequence: A228310
Score: 5.76648
Type of gen. func.: ogf

{a(n + 3) - 12 a(n + 2) + 48 a(n + 1) - 64 a(n), a(0) = 10, a(1) = 72,

a(2) = 448}

Sequence: A228310
Score: 9.27312
Type of gen. func.: lgdogf

$$-\frac{-128 x^2 + 128 x - 36}{-128 x^3 + 128 x^2 - 44 x + 5}$$

Sequence: A228316
Score: 3.64291
Type of gen. func.: ogf

$$-\frac{2 x (x^8 + 7 x^7 + 74 x^6 + 132 x^5 + 280 x^4 + 183 x^3 + 132 x^2 + 26 x + 5)}{(x + 1)^5 (x - 1)^7}$$

Sequence: A228317
Score: 16.2934
Type of gen. func.: lgdogf

$$-\frac{8 x + 7}{2 x^2 - x - 1}$$

Sequence: A228317
Score: 5.28434
Type of gen. func.: ogf

{(n + 1) a(n + 3) + (-7 + n) a(n + 2) + (-6 - 2 n) a(n + 1), a(0) = 0, a(1) = 0,

a(2) = 3}

Sequence: A228317
Score: 9.89977
Type of gen. func.: ogf

$$-\frac{3 x^2 (2 x + 1)}{(x - 1)^5}$$

Sequence: A228318
Score: 10.0467
Type of gen. func.: ogf

$$-\frac{5 x^2 - 12 x + 15}{(x - 1)^3}$$

Sequence: A228318
Score: 5.31882
Type of gen. func.: ogf

$$(3000 f(x) - 6169) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 5 x^2 - f(x) - 12 x + 15)$$

Sequence: A228318
Score: 5.50383
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 15, a(1) = 33, a(2) = 59\}$$

Sequence: A228318
Score: 9.17306
Type of gen. func.: lgdogf

$$-\frac{-5 x^2 + 14 x - 33}{-5 x^3 + 17 x^2 - 27 x + 15}$$

Sequence: A228319
Score: 10.4411
Type of gen. func.: lgdogf

$$-\frac{-7 x^2 + 16 x - 45}{}$$

$$-7 x^3 + 22 x^2 - 35 x + 20$$

Sequence: A228319
Score: 11.4354
Type of gen. func.: ogf

$$-\frac{7 x^2 - 15 x + 20}{(x - 1)^3}$$

Sequence: A228319
Score: 5.80994
Type of gen. func.: ogf

$$(435888 f(x) - 1018837)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 7 x^2 - f(x) - 15 x + 20)$$

Sequence: A228319
Score: 6.26463
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 20, a(1) = 45, a(2) = 82\}$$

Sequence: A228320
Score: 10.6079
Type of gen. func.: ogf

$$-\frac{138 x^2 - 329 x + 203}{(x - 1)^3}$$

Sequence: A228320
Score: 5.42543
Type of gen. func.: ogf

$$(2454192 f(x) + 378199735)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 138 x^2 - f(x) - 329 x + 203)$$

Sequence: A228320
Score: 6.02314
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 203, a(1) = 280, a(2) = 369\}$

Sequence: A228320
Score: 9.11194
Type of gen. func.: lgdogf

$$-\frac{-138 x^2 + 382 x - 280}{-138 x^3 + 467 x^2 - 532 x + 203}$$

Sequence: A228321
Score: 10.0624
Type of gen. func.: lgdogf

$$-\frac{11 x^2 - 8 x + 33}{x^4 + 7 x^3 - 20 x^2 + 27 x - 15}$$

Sequence: A228321
Score: 10.9128
Type of gen. func.: ogf

$$-\frac{x^3 + 8 x^2 - 12 x + 15}{(x - 1)^3}$$

Sequence: A228321
Score: 5.65553
Type of gen. func.: ogf

$\{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 15, a(1) = 33, a(2) = 62,$

$a(3) = 103\}$

Sequence: A228321
Score: 5.91456
Type of gen. func.: ogf

$$(249264 f(x) + 739075)$$

$$(f(x) x^3 - 3 f(x) x^2 + x^3 + 3 f(x) x + 8 x^2 - f(x) - 12 x + 15)$$

Sequence: A228322
Score: 6.35728
Type of gen. func.: ogf

$$-\frac{320 x^4 - 560 x^3 + 400 x^2 - 124 x + 15}{(4 x - 1) (2 x - 1)^4}$$

Sequence: A228329
Score: 3.96775
Type of gen. func.: ogf

$$\{(-320 n^2 - 960 n - 700) a(n + 1) + (52 n^2 + 262 n + 340) a(n + 2)$$

$$+ (-2 n^2 - 13 n - 21) a(n + 3), a(0) = 1, a(1) = 8, a(2) = 98\}$$

Sequence: A228338
Score: 5.45982
Type of gen. func.: ogf

$$\{(-3 n - 6) a(n + 1) + (-2 n - 13) a(n + 2) + (n + 7) a(n + 3), a(0) = 5,$$

$$a(1) = 9, a(2) = 19\}$$

Sequence: A228338
Score: 7.61369
Type of gen. func.: ogf

$$f(x)^2 x^4 + 7 f(x) x^3 + 3 f(x) x^2 - f(x) x + 13 x^2 - f(x) + 14 x + 5$$

Sequence: A228344
Score: 12.0234
Type of gen. func.: ogf

$$\frac{(x - 2) (x^2 + x + 1)}{(x + 1) (x - 1)^3}$$

Sequence: A228344
Score: 6.80012
Type of gen. func.: ogf

$$(31 f(x) - 206) (f(x) x^4 - 2 f(x) x^3 - x^3 + 2 f(x) x + x^2 - f(x) + x + 2)$$

Sequence: A228344
Score: 9.32153
Type of gen. func.: lgdogf

$$- \frac{x^4 - 2 x^2 - 12 x - 5}{x^5 - x^4 - 2 x^3 - x^2 + x + 2}$$

Sequence: A228357
Score: 6.85579
Type of gen. func.: ogf

$$- (4 x^{28} - 4 x^{27} + 4 x^{26} - 4 x^{25} + 4 x^6 - 4 x^5 + 4 x^4 - 4 x^3 + 3 x^2 - 3 x - 1) / (x - 1)^2$$

Sequence: A228361
Score: 10.3620
Type of gen. func.: lgdogf

$$- \frac{-x^3 - 3 x^2 - 2 x - 2}{-x^4 - 2 x^3 - x^2 + x + 1}$$

Sequence: A228361
Score: 12.7532
Type of gen. func.: ogf

$$-\frac{x^{2} (x + 1)^{2}}{x^{3} + x^{2} - 1}$$

Sequence: A228361
Score: 6.68515
Type of gen. func.: ogf

{-a(n + 5) + a(n + 3) + a(n + 2), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 2,

a(4) = 2}

Sequence: A228361
Score: 8.54596
Type of gen. func.: ogf

$$-f(x) (f(x) x^{3} + x^{4} + f(x) x^{2} + 2 x^{3} + x^{2} - f(x))$$

Sequence: A228362
Score: 8.08746
Type of gen. func.: ogf

$$-\frac{x^{3} (x^{2} + x + 1)^{2}}{(x^{2} + 1) (x^{3} + x^{2} - 1)}$$

Sequence: A228364
Score: 10.1700
Type of gen. func.: lgdogf

$$-\frac{4 x^{3} + 8 x^{2} + 4 x + 2}{x^{4} + 2 x^{3} + x^{2} - x - 1}$$

Sequence: A228364
Score: 9.14158
Type of gen. func.: ogf

$$\frac{x^2 (x + 1)^2}{(x^3 + x^2 - 1)^2}$$

Sequence: A228385
Score: 10.3156
Type of gen. func.: ogf

$$- \frac{(x + 1) (x - 2)}{x^4 - 6 x^2 - 2 x + 1}$$

Sequence: A228385
Score: 5.20045
Type of gen. func.: ogf

$$-(38774 f(x) + 841) (f(x) x^4 - 6 f(x) x^2 - 2 f(x) x + x^2 + f(x) - x - 2)$$

Sequence: A228386
Score: 7.44216
Type of gen. func.: ogf

$$- \frac{x^3 - 3 x^2 + 3}{x^5 - 4 x^4 - 5 x^3 + 9 x^2 + 4 x - 1}$$

Sequence: A228387
Score: 3.89992
Type of gen. func.: ogf

$$- \frac{x^7 - 2 x^6 - 14 x^5 + 39 x^4 - 12 x^3 - 28 x^2 + 9 x + 5}{x^9 - 4 x^8 - 20 x^7 + 64 x^6 + 15 x^5 - 105 x^4 + 36 x^2 + 4 x - 1}$$

Sequence: A228392
Score: 7.05472
Type of gen. func.: ogf

$$-\frac{x^{6}-6x^{5}+19x^{4}-12x^{3}+13x^{2}-5x+1}{(x-1)^{7}}$$

Sequence: A228393
Score: 3.91988
Type of gen. func.: ogf

$$-\frac{x^{9}-9x^{8}-17x^{7}-263x^{6}-3x^{5}-120x^{4}+66x^{3}-31x^{2}+8x-1}{(x-1)^{10}}$$

Sequence: A228394
Score: 8.73682
Type of gen. func.: ogf

$$-\frac{x^{4}+x^{3}+6x^{2}-3x+1}{(x-1)^{5}}$$

Sequence: A228394
Score: 9.76468
Type of gen. func.: lgdogf

$$-\frac{-x^{4}-6x^{3}-21x^{2}-2}{-x^{5}-5x^{3}+9x^{2}-4x+1}$$

Sequence: A228395
Score: 5.75886
Type of gen. func.: ogf

$$-\frac{x^{6}+52x^{5}+39x^{4}-11x^{3}+13x^{2}-5x+1}{{}^{7}}$$

$$(x - 1)$$

Sequence: A228396
Score: 7.09608
Type of gen. func.: ogf

$$-\frac{x^6 - x^5 - 2 x^4 + 2 x^3 + 6 x^2 - 3 x + 1}{(x - 1)^5}$$

Sequence: A228397
Score: 4.96988
Type of gen. func.: ogf

$$-\frac{2 x^9 + 5 x^8 + 12 x^7 - 74 x^6 + 51 x^5 + 41 x^4 - 11 x^3 + 13 x^2 - 5 x + 1}{(x - 1)^7}$$

Sequence: A228398
Score: 8.89746
Type of gen. func.: ogf

$$\frac{x^5 - 3 x^4 + 5 x^3 + 4 x^2 - 2 x + 1}{(x - 1)^4}$$

Sequence: A228399
Score: 4.62099
Type of gen. func.: ogf

$$(x^{10} - 5 x^9 - 2 x^8 + 44 x^7 - 24 x^6 - 80 x^5 - 43 x^4 + 11 x^3 - 13 x^2 + 5 x - 1) \Big/ (x - 1)^7$$

Sequence: A228401
Score: 4.75010
Type of gen. func.: ogf

$$-\frac{x^8 - 8x^7 + 28x^6 - 54x^5 + 78x^4 - 42x^3 + 24x^2 - 7x + 1}{(x - 1)^9}$$

Sequence: A228403
Score: 5.74422
Type of gen. func.: ogf

$$\{(-12n^2 - 18n)a(n) + (-n^2 - 9n - 20)a(n + 1) + (n^2 + 6n + 8)a(n + 2),$$
$$a(0) = 1, a(1) = 4\}$$

Sequence: A228403
Score: 9.87488
Type of gen. func.: ogf

$$-f(x)^2 x^2 - 2 f(x) x^2 - 4 f(x) x - x^2 + 2 f(x) - 4x - 2$$

Sequence: A228406
Score: 11.7883
Type of gen. func.: lgdogf

$$-\frac{20x^2 + 60x + 16}{5x^3 + 5x^2 - 9x - 1}$$

Sequence: A228406
Score: 3.89073
Type of gen. func.: ogf

$$\{(n + 3)a(n + 4) + (2 + 9n)a(n + 3) + (-65 - 5n)a(n + 2)$$
$$+ (-20 - 5n)a(n + 1), a(0) = 0, a(1) = 24, a(2) = 384, a(3) = 2064\}$$

Sequence: A228406
Score: 8.14245
Type of gen. func.: ogf

2

$$\frac{24 x (5 x + 10 x + 1)}{(x - 1)^{6}}$$

Sequence: A228411
Score: 11.7303
Type of gen. func.: lgdogf

$$\frac{4}{(1 - 32 x)^{1/2} (1 + (1 - 32 x)^{1/2})}$$

Sequence: A228411
Score: 5.68185
Type of gen. func.: ogf

$$\{(-128 n^{2} - 352 n - 234) a(n + 1) + (4 n^{2} + 17 n + 18) a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A228423
Score: 7.80293
Type of gen. func.: ogf

$$- \frac{x^{3} (441 x^{29} + 196 x^{24} - 625 x^{21} - 225 x^{5} - 100)}{(x - 1) (7 x^{12} + 5) (7 x^{12} - 5)}$$

Sequence: A228462
Score: 6.33394
Type of gen. func.: ogf

$$- \frac{x^{5} - 6 x^{4} + 14 x^{3} - 19 x^{2} + 11 x - 17}{(x - 1)^{6}}$$

Sequence: A228463
Score: 5.31679
Type of gen. func.: ogf

$$-\frac{x^6 - 7x^5 + 22x^4 - 27x^3 + 22x^2 - 6x + 27}{(x-1)^7}$$

Sequence: A228464
Score: 4.55346
Type of gen. func.: ogf

$$-\frac{x^7 - 8x^6 + 28x^5 - 75x^4 + 54x^3 + 11x^2 - 31x - 44}{(x-1)^8}$$

Sequence: A228469
Score: 12.1920
Type of gen. func.: ogf

$$-\frac{x^3 + x^2 + 8x + 2}{x^4 + 6x^2 - 1}$$

Sequence: A228469
Score: 7.27045
Type of gen. func.: ogf

$$(89916 f(x) + 15505) (f(x) x^4 + 6 f(x) x^2 + x^3 + x^2 - f(x) + 8x + 2)$$

Sequence: A228470
Score: 12.8886
Type of gen. func.: ogf

$$-\frac{2x^3 + 11x + 3}{x^4 + 6x^2 - 1}$$

Sequence: A228470
Score: 7.25767
Type of gen. func.: ogf

$$(173084 f(x) - 24267) (f(x) x^4 + 6 f(x) x^2 + 2 x^3 - f(x) + 11 x + 3)$$

Sequence: A228471
Score: 12.1397
Type of gen. func.: ogf

$$-\frac{x^3 + x^2 + 5 x + 3}{x^4 + 6 x^2 - 1}$$

Sequence: A228471
Score: 7.44413
Type of gen. func.: ogf

$$(5198 f(x) + 369) (f(x) x^4 + 6 f(x) x^2 + x^3 + x^2 - f(x) + 5 x + 3)$$

Sequence: A228472
Score: 13.2920
Type of gen. func.: ogf

$$-\frac{x^3 + 8 x + 5}{x^4 + 6 x^2 - 1}$$

Sequence: A228472
Score: 7.42786
Type of gen. func.: ogf

$$(207920 f(x) - 55979) (f(x) x^4 + 6 f(x) x^2 + x^3 - f(x) + 8 x + 5)$$

Sequence: A228477
Score: 9.63264
Type of gen. func.: ogf

$$-\frac{x^3 - 2 x - 2}{\quad}$$

$$(x + 1) (x^4 - x^3 - 3 x^2 - 2 x + 1)$$

Sequence: A228478
Score: 4.73807
Type of gen. func.: ogf

$$-\frac{x^6 - 3 x^5 + x^4 + 4 x^3 - 2 x^2 - 6 x - 3}{x^8 - 3 x^7 + x^6 + 6 x^5 - 4 x^4 - 15 x^3 - 10 x^2 - x + 1}$$

Sequence: A228479
Score: 4.08703
Type of gen. func.: ogf

$$-\frac{x^7 - 6 x^5 + 16 x^4 - 18 x^3 - 5 x^2 + 4 x + 5}{x^9 - 8 x^7 + 19 x^6 - 20 x^5 - 11 x^4 + 16 x^3 + 15 x^2 + 3 x - 1}$$

Sequence: A228484
Score: 12.0346
Type of gen. func.: ogf

$$\mathrm{hypergeom}([1/3, 2/3], [1/2], \frac{27 x}{2})$$

Sequence: A228484
Score: 12.4644
Type of gen. func.: ogf

$$-54 f(x)^3 x + 4 f(x)^3 - 3 f(x) - 1$$

Sequence: A228484
Score: 5.67484
Type of gen. func.: ogf

$$\{(27 n^2 + 81 n + 60) a(n + 1) + (-2 n^2 - 7 n - 6) a(n + 2), a(0) = 1, a(1) = 6\}$$

Sequence: A228494
Score: 6.17850
Type of gen. func.: ogf

$$\frac{x^3 (x^2 + x + 1)^2}{(x^2 + 1)^2 (x^3 + x^2 - 1)^2}$$

Sequence: A228501
Score: 12.7481
Type of gen. func.: ogf

$$-\frac{x - 2}{2 x^3 - 3 x^2 - 2 x + 1}$$

Sequence: A228501
Score: 5.97918
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 2, a(1) = 3, a(2) = 12\}$$

Sequence: A228501
Score: 6.25599
Type of gen. func.: ogf

$$(4621 f(x) + 676) (2 f(x) x^3 - 3 f(x) x^2 - 2 f(x) x + f(x) + x - 2)$$

Sequence: A228501
Score: 8.23960
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 + 15 x^2 - 12 x - 3}{-2 x^4 + 7 x^3 - 4 x^2 - 5 x + 2}$$

Sequence: A228502

Score: 4.48928
Type of gen. func.: ogf

$$-(764518 f(x) + 105459)$$

$$(3 f(x) x^4 + 2 f(x) x^3 - 7 f(x) x^2 - 2 f(x) x + 2 x^2 + f(x) + x - 3)$$

Sequence: A228502
Score: 9.30386
Type of gen. func.: ogf

$$- \frac{(2 x + 3) (x - 1)}{3 x^4 + 2 x^3 - 7 x^2 - 2 x + 1}$$

Sequence: A228503
Score: 6.18208
Type of gen. func.: ogf

$$- \frac{2 x^4 + x^3 - 14 x^2 + x + 5}{4 x^6 + x^5 - 27 x^4 + x^3 + 16 x^2 + 2 x - 1}$$

Sequence: A228504
Score: 4.13696
Type of gen. func.: ogf

$$- \frac{18 x^6 + 24 x^5 - 63 x^4 - 41 x^3 + 64 x^2 + 3 x - 8}{32 x^8 + 42 x^7 - 116 x^6 - 85 x^5 + 138 x^4 + 17 x^3 - 30 x^2 - 3 x + 1}$$

Sequence: A228510
Score: 6.76470
Type of gen. func.: lgdogf

$$- \frac{-2905 x^4 - 37900 x^3 - 87102 x^2 - 45436 x - 4065}{-415 x^5 - 4115 x^4 - 3638 x^3 + 5258 x^2 + 2805 x + 105}$$

Sequence: A228513
Score: 4.75389
Type of gen. func.: ogf

$$\{(-2 n^2 - 8 n - 8) a(n + 1) + (n^2 + 6 n + 11) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 3, a(2) = 16\}$$

Sequence: A228521
Score: 5.09226
Type of gen. func.: ogf

$$(192129002 f(x) + 686175) (f(x) x^2 - 19602 f(x) x + f(x) - 70 x - 70)$$

Sequence: A228522
Score: 4.73309
Type of gen. func.: ogf

$$-(384218800 f(x) - 254787) (f(x) x^2 - 19602 f(x) x + f(x) + 13 x - 13)$$

Sequence: A228535
Score: 4.41442
Type of gen. func.: ogf

$$(8777926250 f(x) + 12057591) (f(x) x^2 - 132498 f(x) x + f(x) - 182 x - 182)$$

Sequence: A228536
Score: 4.19827
Type of gen. func.: ogf

$$-(17555587504 f(x) - 3312375) (f(x) x^2 - 132498 f(x) x + f(x) + 25 x - 25)$$

Sequence: A228537
Score: 5.30029
Type of gen. func.: ogf

$$(1537149640 f(x) + 3881691) (f(x) x^2 - 39206 f(x) x + f(x) - 99 x - 99)$$

Sequence: A228538
Score: 4.98541
Type of gen. func.: ogf

$$-(1537071228 f(x) - 509639) (f(x) x^2 - 39206 f(x) x + f(x) + 13 x - 13)$$

Sequence: A228546
Score: 4.69547
Type of gen. func.: ogf

$$(54737800 f(x) + 318243) (f(x) x^2 - 7398 f(x) x + f(x) - 43 x - 43)$$

Sequence: A228547
Score: 4.44868
Type of gen. func.: ogf

$$-(54723004 f(x) - 36975) (f(x) x^2 - 7398 f(x) x + f(x) + 5 x - 5)$$

Sequence: A228564
Score: 9.54654
Type of gen. func.: ogf

$$-\frac{x^5 + 5 x^4 + 2 x^3 + 2 x^2 + x + 1}{(x - 1)^3 (x + 1)^3}$$

Sequence: A228568
Score: 10.3035
Type of gen. func.: lgdogf

$$-\frac{-32 x^2 + 16 x - 4}{-32 x^3 + 40 x^2 - 12 x + 1}$$

Sequence: A228568

Score: 15.7986
Type of gen. func.: ogf

$$-\frac{2\,(4\,x-1)}{8\,x^{2}-8\,x+1}$$

Sequence: A228568
Score: 7.98809
Type of gen. func.: ogf

$$-(7\,f(x)-6)\,(8\,f(x)\,x^{2}-8\,f(x)\,x+f(x)+8\,x-2)$$

Sequence: A228568
Score: 8.66999
Type of gen. func.: ogf

$$\{a(n+2)-8\,a(n+1)+8\,a(n),\ a(0)=2,\ a(1)=8\}$$

Sequence: A228569
Score: 10.7762
Type of gen. func.: lgdogf

$$-\frac{-15\,x^{2}+12\,x-5}{-15\,x^{3}+31\,x^{2}-15\,x+2}$$

Sequence: A228569
Score: 16.5236
Type of gen. func.: ogf

$$-\frac{5\,x-2}{3\,x^{2}-5\,x+1}$$

Sequence: A228569
Score: 8.26178
Type of gen. func.: ogf

2

$$-(13 f(x) - 1) (3 f(x) x - 5 f(x) x + f(x) + 5 x - 2)$$

Sequence: A228569

Score: 9.06782

Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 3 a(n), a(0) = 2, a(1) = 5\}$$

Sequence: A228571

Score: 5.42658

Type of gen. func.: ogf

$$-\frac{(x + 1) (x^9 - x^8 + x^7 + x^3 - x^2 + x - 1)}{(x^5 + x^2 - 1) (x^{10} + x^4 - 1)}$$

Sequence: A228577

Score: 12.2984

Type of gen. func.: ogf

$$\frac{x}{(x^3 + x^2 - 1)^2}$$

Sequence: A228577

Score: 14.2750

Type of gen. func.: lgdogf

$$-\frac{6 x^2 + 4 x}{x^3 + x^2 - 1}$$

Sequence: A228577

Score: 4.99624

Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-5 - n) a(n + 2) + (-6 - n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 0, a(3) = 2\}$$

Sequence: A228581
Score: 7.22991
Type of gen. func.: ogf

$$- \frac{x^{3} (x^{3} + 11 x^{2} + 3 x + 1)}{(x - 1)^{7}}$$

Sequence: A228581
Score: 9.81202
Type of gen. func.: lgdogf

$$- \frac{-4 x^{3} - 58 x^{2} - 40 x - 10}{-x^{4} - 10 x^{3} + 8 x^{2} + 2 x + 1}$$

Sequence: A228583
Score: 5.64821
Type of gen. func.: ogf

$$- \frac{x^{4} (3 x^{4} + 18 x^{3} + 36 x^{2} + 6 x + 1)}{(x - 1)^{9}}$$

Sequence: A228583
Score: 7.54854
Type of gen. func.: lgdogf

$$- \frac{-15 x^{4} - 120 x^{3} - 306 x^{2} - 120 x - 15}{-3 x^{5} - 15 x^{4} - 18 x^{3} + 30 x^{2} + 5 x + 1}$$

Sequence: A228597
Score: 11.1036
Type of gen. func.: ogf

$$- \frac{29 x^{2} + 22 x + 141}{}$$

$$(x - 1)^{3}$$

Sequence: A228597
Score: 5.77389
Type of gen. func.: ogf

$$(45576 f(x) - 4637299)$$

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 29 x^{2} - f(x) + 22 x + 141)$$

Sequence: A228597
Score: 6.11641
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 141, a(1) = 445, a(2) = 941\}$$

Sequence: A228597
Score: 9.75319
Type of gen. func.: lgdogf

$$- \frac{-29 x^{2} - 102 x - 445}{-29 x^{3} + 7 x^{2} - 119 x + 141}$$

Sequence: A228598
Score: 11.0230
Type of gen. func.: ogf

$$- \frac{68 x^{2} - 183 x + 141}{(x - 1)^{3}}$$

Sequence: A228598
Score: 5.63967
Type of gen. func.: ogf

$$(4650204 f(x) + 70485611)$$

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 68 x^{2} - f(x) - 183 x + 141)$$

Sequence: A228598
Score: 6.16541
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 141, a(1) = 240, a(2) = 365}

Sequence: A228598
Score: 9.57261
Type of gen. func.: lgdogf

$$-\frac{-68 x^2 + 230 x - 240}{-68 x^3 + 251 x^2 - 324 x + 141}$$

Sequence: A228600
Score: 5.18524
Type of gen. func.: ogf

$$-\frac{14 x^6 - 13 x^5 - 43 x^4 + 38 x^3 + 48 x^2 - 65 x - 27}{(x + 1)^3 (x - 1)^4}$$

Sequence: A228602
Score: 14.5345
Type of gen. func.: ogf

$$-\frac{12 x + 17}{4 x^2 + 4 x - 1}$$

Sequence: A228602
Score: 7.26724
Type of gen. func.: ogf

$$-(57 f(x) - 169) (4 f(x) x^2 + 4 f(x) x - f(x) + 12 x + 17)$$

Sequence: A228602
Score: 8.13238
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 4 a(n), a(0) = 17, a(1) = 80\}$$

Sequence: A228602
Score: 9.35781
Type of gen. func.: lgdogf

$$- \frac{-48 x^2 - 136 x - 80}{-48 x^3 - 116 x^2 - 56 x + 17}$$

Sequence: A228603
Score: 10.4367
Type of gen. func.: lgdogf

$$- \frac{-32 x^2 - 72 x - 44}{-32 x^3 - 68 x^2 - 28 x + 9}$$

Sequence: A228603
Score: 16.2349
Type of gen. func.: ogf

$$- \frac{8 x + 9}{4 x^2 + 4 x - 1}$$

Sequence: A228603
Score: 8.39736
Type of gen. func.: ogf

$$(31 f(x) - 37) (4 f(x) x^2 + 4 f(x) x - f(x) + 8 x + 9)$$

Sequence: A228603
Score: 8.80204
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) - 4 a(n), a(0) = 9, a(1) = 44\}$$

Sequence: A228604
Score: 13.5897
Type of gen. func.: lgdogf

$$-\frac{50 x - 18}{25 x^2 - 18 x + 1}$$

Sequence: A228604
Score: 20.1905
Type of gen. func.: ogf

$$\frac{1}{25 x^2 - 18 x + 1}$$

Sequence: A228604
Score: 8.21704
Type of gen. func.: ogf

$$(137 f(x) + 25) (25 f(x) x^2 - 18 f(x) x + f(x) - 1)$$

Sequence: A228604
Score: 8.31372
Type of gen. func.: ogf

$$\{-a(n + 2) + 18 a(n + 1) - 25 a(n), a(0) = 1, a(1) = 18\}$$

Sequence: A228605
Score: 10.1793
Type of gen. func.: lgdogf

$$-\frac{-22 x^2 - 22 x - 18}{-22 x^3 - 43 x^2 - 14 x + 1}$$

Sequence: A228605
Score: 15.1607
Type of gen. func.: ogf

$$-\frac{2x+1}{11x^2+16x-1}$$

Sequence: A228605
Score: 8.00623
Type of gen. func.: ogf

$$(155 f(x)+7)(11 f(x) x^2+16 f(x) x-f(x)+2x+1)$$

Sequence: A228605
Score: 8.38299
Type of gen. func.: ogf

$$\{a(n+2)-16 a(n+1)-11 a(n), a(0)=1, a(1)=18\}$$

Sequence: A228606
Score: 11.7186
Type of gen. func.: lgdogf

$$-\frac{7x^2+14x-18}{7x^3-10x^2-16x+1}$$

Sequence: A228606
Score: 17.3231
Type of gen. func.: ogf

$$\frac{x+1}{7x^2-17x+1}$$

Sequence: A228606
Score: 9.15937

```
Type of gen. func.: ogf


                                          2
              (73 f(x) + 8) (7 f(x) x  - 17 f(x) x + f(x) - x - 1)



--------------------------------------------------------------------------------

Sequence:  A228606
Score: 9.48648
Type of gen. func.: ogf


            {-a(n + 2) + 17 a(n + 1) - 7 a(n), a(0) = 1, a(1) = 18}



--------------------------------------------------------------------------------

Sequence:  A228655
Score: 11.7729
Type of gen. func.: ogf


                                      2 (x - 1)
                              - ---------------------
                                   3      2
                                3 x  + 3 x  - 5 x + 1



--------------------------------------------------------------------------------

Sequence:  A228655
Score: 5.52180
Type of gen. func.: ogf


 {-a(n + 3) + 5 a(n + 2) - 3 a(n + 1) - 3 a(n), a(0) = 2, a(1) = 8, a(2) = 34}



--------------------------------------------------------------------------------

Sequence:  A228655
Score: 5.99965
Type of gen. func.: ogf


                                3            2
       (8 f(x) - 13) (3 f(x) x  + 3 f(x) x  - 5 f(x) x + f(x) + 2 x - 2)



--------------------------------------------------------------------------------

Sequence:  A228655
Score: 8.66615
Type of gen. func.: lgdogf


                                   3      2
                                6 x  - 6 x  - 6 x + 4
                              - ---------------------
                                   4      2
                                3 x  - 8 x  + 6 x - 1
```

Sequence: A228656
Score: 11.2590
Type of gen. func.: ogf

$$-\frac{4x-3}{8x^3+2x^2-6x+1}$$

Sequence: A228656
Score: 5.23444
Type of gen. func.: ogf

$$\{a(n+3)-6a(n+2)+2a(n+1)+8a(n),\ a(0)=3,\ a(1)=14,\ a(2)=78\}$$

Sequence: A228656
Score: 5.28076
Type of gen. func.: ogf

$$-(1197 f(x)+1544)(8 f(x) x^3+2 f(x) x^2-6 f(x) x+f(x)+4x-3)$$

Sequence: A228656
Score: 6.78098
Type of gen. func.: lgdogf

$$-\frac{-64x^3+64x^2+12x-14}{-32x^4+16x^3+30x^2-22x+3}$$

Sequence: A228657
Score: 5.48368
Type of gen. func.: ogf

$$-\frac{3x^4-10x^3-14x^2+22x-5}{5x^6-20x^5-49x^4+32x^3+27x^2-12x+1}$$

Sequence: A228658
Score: 4.01371

Type of gen. func.: ogf

$$-\frac{4\,(8 x^5 - 3 x^4 - 23 x^3 + 4 x^2 + 8 x - 2)}{48 x^7 - 103 x^6 - 352 x^5 - 59 x^4 + 142 x^3 + 17 x^2 - 14 x + 1}$$

Sequence: A228661
Score: 14.8094
Type of gen. func.: lgdogf

$$-\frac{-6 x - 1}{-3 x^2 - x + 1}$$

Sequence: A228661
Score: 21.5409
Type of gen. func.: ogf

$$-\frac{2}{3 x^2 + x - 1}$$

Sequence: A228661
Score: 8.56446
Type of gen. func.: ogf

$$(19 f(x) - 36) (3 f(x) x^2 + f(x) x - f(x) + 2)$$

Sequence: A228661
Score: 8.66891
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 3 a(n), a(0) = 2, a(1) = 2\}$$

Sequence: A228662
Score: 12.5111
Type of gen. func.: ogf

$$-\frac{3 x - 4}{}$$

$$5 x^3 - 6 x^2 - 2 x + 1$$

Sequence: A228662
Score: 5.76599
Type of gen. func.: ogf

$$(4300231 f(x) + 1132520) (5 f(x) x^3 - 6 f(x) x^2 - 2 f(x) x + f(x) + 3 x - 4)$$

Sequence: A228662
Score: 5.86804
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 6 a(n + 1) + 5 a(n), a(0) = 4, a(1) = 5, a(2) = 34\}$$

Sequence: A228662
Score: 7.62171
Type of gen. func.: lgdogf

$$- \frac{-30 x^3 + 78 x^2 - 48 x - 5}{-15 x^4 + 38 x^3 - 18 x^2 - 11 x + 4}$$

Sequence: A228663
Score: 4.30685
Type of gen. func.: ogf

$$-(82602041 f(x) + 39432528)$$

$$(18 f(x) x^4 + 7 f(x) x^3 - 16 f(x) x^2 - 2 f(x) x + 12 x^2 + f(x) + 4 x - 8)$$

Sequence: A228663
Score: 8.97260
Type of gen. func.: ogf

$$- \frac{4 (x + 1) (3 x - 2)}{18 x^4 + 7 x^3 - 16 x^2 - 2 x + 1}$$

Sequence: A228664
Score: 4.31704
Type of gen. func.: ogf

$$-\frac{66 x^5 - 29 x^4 - 162 x^3 + 86 x^2 + 35 x - 16}{102 x^7 - 45 x^6 - 258 x^5 + 134 x^4 + 76 x^3 - 34 x^2 - 4 x + 1}$$

Sequence: A228676
Score: 23.3898
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A228678
Score: 10.6401
Type of gen. func.: ogf

$$-\frac{3 x^2 + 6 x - 5}{3 x^3 + 3 x^2 - 5 x + 1}$$

Sequence: A228678
Score: 5.54741
Type of gen. func.: ogf

$$-(53 f(x) - 95) (3 f(x) x^3 + 3 f(x) x^2 - 5 f(x) x + 3 x^2 + f(x) + 6 x - 5)$$

Sequence: A228678
Score: 5.69339
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 3 a(n + 1) + 3 a(n), a(0) = 5, a(1) = 19, a(2) = 77\}$$

Sequence: A228679
Score: 4.85515
Type of gen. func.: ogf

$$(439 f(x) + 1276) (8 f(x) x^{3} + 2 f(x) x^{2} - 6 f(x) x + 8 x^{2} + f(x) + 8 x - 8)$$

Sequence: A228679
Score: 4.89737
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 2 a(n + 1) - 8 a(n), a(0) = 8, a(1) = 40, a(2) = 216\}$$

Sequence: A228679
Score: 9.23274
Type of gen. func.: ogf

$$- \frac{8 (x^{2} + x - 1)}{8 x^{3} + 2 x^{2} - 6 x + 1}$$

Sequence: A228680
Score: 5.21515
Type of gen. func.: ogf

$$- \frac{5 x^{5} - 15 x^{4} - 64 x^{3} + 4 x^{2} + 59 x - 13}{5 x^{6} - 20 x^{5} - 49 x^{4} + 32 x^{3} + 27 x^{2} - 12 x + 1}$$

Sequence: A228681
Score: 3.81018
Type of gen. func.: ogf

$$- \frac{48 x^{6} - 55 x^{5} - 407 x^{4} - 242 x^{3} + 152 x^{2} + 77 x - 21}{48 x^{7} - 103 x^{6} - 352 x^{5} - 59 x^{4} + 142 x^{3} + 17 x^{2} - 14 x + 1}$$

Sequence: A228684
Score: 10.5240
Type of gen. func.: ogf

$$5 x^{2} - x - 8$$

$$-\frac{}{5 x^3 - 6 x^2 - 2 x + 1}$$

Sequence: A228684
Score: 5.13573
Type of gen. func.: ogf

$$(37347899 f(x) + 45727545)$$
$$(5 f(x) x^3 - 6 f(x) x^2 - 2 f(x) x + 5 x^2 + f(x) - x - 8)$$

Sequence: A228684
Score: 5.63128
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 6 a(n + 1) + 5 a(n), a(0) = 8, a(1) = 17, a(2) = 77\}$$

Sequence: A228685
Score: 3.68644
Type of gen. func.: ogf

$$(16984203838615 f(x) - 291514108806) (18 f(x) x^4 + 7 f(x) x^3 - 16 f(x) x^2$$
$$+ 18 x^3 - 2 f(x) x + 25 x^2 + f(x) - 9 x - 16)$$

Sequence: A228685
Score: 7.46279
Type of gen. func.: ogf

$$-\frac{(x + 1) (18 x^2 + 7 x - 16)}{18 x^4 + 7 x^3 - 16 x^2 - 2 x + 1}$$

Sequence: A228686
Score: 4.08160
Type of gen. func.: ogf

$$-\frac{102 x^6 + 57 x^5 - 303 x^4 - 118 x^3 + 207 x^2 + 29 x - 32}{}$$

$$102 x^7 - 45 x^6 - 258 x^5 + 134 x^4 + 76 x^3 - 34 x^2 - 4 x + 1$$

Sequence: A228693
Score: 14.1653
Type of gen. func.: ogf

$$- \frac{x^4 + x^3 + x^2 - x - 1}{(x - 1) (x + 1) (2 x^2 - 1)}$$

Sequence: A228693
Score: 7.95438
Type of gen. func.: lgdogf

$$- \frac{-2 x^6 - 10 x^5 + 3 x^4 + 12 x^3 - 4 x - 1}{-2 x^8 - 2 x^7 + x^6 + 5 x^5 + 4 x^4 - 4 x^3 - 4 x^2 + x + 1}$$

Sequence: A228693
Score: 8.20690
Type of gen. func.: ogf

{-a(n + 5) + 3 a(n + 3) - 2 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 2,

a(4) = 3}

Sequence: A228693
Score: 9.40064
Type of gen. func.: ogf

$$(2 f(x) - 13) (2 f(x) x^4 + x^4 - 3 f(x) x^2 + x^3 + x^2 + f(x) - x - 1)$$

Sequence: A228700
Score: 15.4506
Type of gen. func.: ogf

$$\frac{8 x^3}{(6 x - 1) (8 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A228700
Score: 8.74562
Type of gen. func.: ogf

$$-384 f(x) x^4 + 400 f(x) x^3 - 140 f(x) x^2 + 8 x^3 + 20 f(x) x - f(x)$$

Sequence: A228700
Score: 9.65664
Type of gen. func.: lgdogf

$$-\frac{-1536 x^3 + 1200 x^2 - 280 x + 20}{-384 x^4 + 400 x^3 - 140 x^2 + 20 x - 1}$$

Sequence: A228701
Score: 12.0063
Type of gen. func.: ogf

$$48 f(x) x^3 - 44 f(x) x^2 + 12 f(x) x + 4 x^2 - f(x)$$

Sequence: A228701
Score: 14.2046
Type of gen. func.: lgdogf

$$-\frac{144 x^2 - 88 x + 12}{48 x^3 - 44 x^2 + 12 x - 1}$$

Sequence: A228701
Score: 21.0110
Type of gen. func.: ogf

$$-\frac{4 x^2}{(6 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A228701
Score: 8.92504
Type of gen. func.: ogf

$$\{a(n + 3) - 12 a(n + 2) + 44 a(n + 1) - 48 a(n), a(0) = 0, a(1) = 0, a(2) = 4\}$$

Sequence: A228702
Score: 5.13603
Type of gen. func.: ogf

$$\frac{x (x^2 + 1) (x^2 + 4 x + 1)}{(x^3 + x^2 + 3 x - 1)^2 (x^3 - x^2 - x - 1)^2}$$

Sequence: A228705
Score: 7.00528
Type of gen. func.: ogf

$$\frac{x^4 - 2 x^3 + 4 x^2 - 2 x + 1}{(x^2 + 1)^2 (x - 1)^4}$$

Sequence: A228706
Score: 6.84603
Type of gen. func.: ogf

$$\frac{x^4 - 3 x^3 + 5 x^2 - 3 x + 1}{(x^2 + 1)^2 (x - 1)^4}$$

Sequence: A228707
Score: 4.03491
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1) (x^6 - 2 x^5 + 2 x^4 - x^3 + 2 x^2 - 2 x + 1)}{(x^4 + 1) (x^2 + 1)^2 (x - 1)^4}$$

Sequence: A228733
Score: 12.8063
Type of gen. func.: ogf

$$-\frac{2\,(x^2 - x + 1)\,(x + 1)}{x^5 - x^3 + 2\,x - 1}$$

Sequence: A228733
Score: 7.29957
Type of gen. func.: lgdogf

$$-\frac{-2\,x^7 - 5\,x^4 + 4\,x^3 - 2}{-x^8 + x^6 - x^5 - 2\,x^4 + 2\,x^3 - 2\,x + 1}$$

Sequence: A228741
Score: 7.29712
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 6\,x^3 - 6\,x^2 - 2\,x - 77}{-x^5 + 6\,x^4 - 12\,x^3 + 10\,x^2 - 19\,x + 16}$$

Sequence: A228741
Score: 7.67718
Type of gen. func.: ogf

$$-\frac{x^4 - 5\,x^3 + 7\,x^2 - 3\,x + 16}{(x - 1)^5}$$

Sequence: A228742
Score: 6.12216
Type of gen. func.: ogf

$$-\frac{x^5 - 6\,x^4 + 18\,x^3 - 6\,x^2 - 17\,x - 28}{{}^{6}}$$

$$(x - 1)$$

Sequence: A228743
Score: 5.03050
Type of gen. func.: ogf

$$- \frac{x^6 - 7 x^5 + 24 x^4 - 70 x^3 - 7 x^2 + 97 x + 50}{(x - 1)^7}$$

Sequence: A228744
Score: 4.54865
Type of gen. func.: ogf

$$- \frac{x^7 - 8 x^6 + 21 x^5 - 86 x^4 + 353 x^3 - 26 x^2 - 367 x - 88}{(x - 1)^8}$$

Sequence: A228748
Score: 5.4858
Type of gen. func.: ogf

$$(350 f(x) - 1359) (f(x) x^4 + 3 f(x) x^3 + 2 x^3 - 3 f(x) x + x^2 + f(x) - 6 x + 2)$$

Sequence: A228748
Score: 9.85855
Type of gen. func.: ogf

$$- \frac{2 x^3 + x^2 - 6 x + 2}{(x^2 + x - 1) (x^2 + 2 x - 1)}$$

Sequence: A228750
Score: 4.85862
Type of gen. func.: ogf

$$(16388 f(x) + 1413) (4 f(x) x^3 - 12 f(x) x^2 + 8 f(x) x + 2 x^2 - f(x) - 4 x + 3)$$

Sequence: A228750
Score: 4.98428
Type of gen. func.: ogf

$$\{a(n+3) - 8 a(n+2) + 12 a(n+1) - 4 a(n), a(0) = 3, a(1) = 20, a(2) = 126\}$$

Sequence: A228750
Score: 9.32542
Type of gen. func.: ogf

$$-\frac{2 x^2 - 4 x + 3}{4 x^3 - 12 x^2 + 8 x - 1}$$

Sequence: A228751
Score: 3.13532
Type of gen. func.: ogf

$$-(246233210728 f(x) - 128239134245) (5 f(x) x^4 - 29 f(x) x^3 - 2 x^4 + 36 f(x) x^2 + 12 x^3 - 13 f(x) x - 12 x^2 + f(x) + 15 x - 5)$$

Sequence: A228751
Score: 6.09836
Type of gen. func.: ogf

$$\frac{2 x^4 - 12 x^3 + 12 x^2 - 15 x + 5}{(x - 1) (5 x^3 - 24 x^2 + 12 x - 1)}$$

Sequence: A228752
Score: 4.26552
Type of gen. func.: ogf

$$\frac{78 x^5 - 218 x^4 + 114 x^3 - 109 x^2 + 49 x - 8}{36 x^5 - 157 x^4 + 217 x^3 - 112 x^2 + 21 x - 1}$$

Sequence: A228755
Score: 11.3741
Type of gen. func.: ogf

$$-\frac{(x-2)(x+2)}{x^4-6x^2-2x+1}$$

Sequence: A228755
Score: 5.63759
Type of gen. func.: ogf

$$(73919 f(x) + 14336)(f(x) x^4 - 6 f(x) x^2 - 2 f(x) x + x^2 + f(x) - 4)$$

Sequence: A228755
Score: 6.48322
Type of gen. func.: lgdogf

$$-\frac{-2x^5+16x^3-2x^2-46x-8}{-x^6+10x^4+2x^3-25x^2-8x+4}$$

Sequence: A228756
Score: 4.00144
Type of gen. func.: ogf

$$-\frac{x^6-5x^5-4x^4+24x^3+13x^2-13x-8}{(x+1)(x^2-2x-1)(x^5-4x^4-5x^3+9x^2+4x-1)}$$

Sequence: A228767
Score: 4.23392
Type of gen. func.: ogf

$$(-961 + 57672 f(x))(16 f(x) x^4 - 40 f(x) x^3 + 8 x^4 + 33 f(x) x^2 - 2 x^3$$

$$- 10 f(x) x + 21 x^2 + f(x) - 11 x + 2)$$

Sequence: A228767
Score: 7.30466
Type of gen. func.: ogf

$$-\frac{8 x^4 - 2 x^3 + 21 x^2 - 11 x + 2}{(4 x - 1)^2 (x - 1)^2}$$

Sequence: A228791
Score: 12.0687
Type of gen. func.: ogf

$$\frac{2 (x^2 - x + 1)}{3 x^2 - 5 x + 1}$$

Sequence: A228791
Score: 6.21010
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 3 a(n + 1), a(0) = 2, a(1) = 8, a(2) = 36\}$$

Sequence: A228791
Score: 6.73306
Type of gen. func.: ogf

$$(23 f(x) + 18) (3 f(x) x^2 - 5 f(x) x - 2 x^2 + f(x) + 2 x - 2)$$

Sequence: A228791
Score: 8.88389
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 4 x - 4}{3 x^4 - 8 x^3 + 9 x^2 - 6 x + 1}$$

Sequence: A228792
Score: 4.17653
Type of gen. func.: ogf

$$\{a(n+4) - 8\,a(n+3) + 12\,a(n+2) - 4\,a(n+1),\ a(0) = 3,\ a(1) = 16,\ a(2) = 97,\ a(3) = 586\}$$

Sequence: A228792
Score: 4.33473
Type of gen. func.: ogf

$$(369592\,f(x) - 1951497)\,(4\,f(x)\,x^3 - 12\,f(x)\,x^2 - 10\,x^3 + 8\,f(x)\,x + 5\,x^2 - f(x) - 8\,x + 3)$$

Sequence: A228792
Score: 8.05893
Type of gen. func.: ogf

$$\frac{10\,x^3 - 5\,x^2 + 8\,x - 3}{4\,x^3 - 12\,x^2 + 8\,x - 1}$$

Sequence: A228793
Score: 5.44070
Type of gen. func.: ogf

$$-\frac{18\,x^5 - 106\,x^4 + 19\,x^3 - 45\,x^2 + 23\,x - 5}{(x - 1)\,(5\,x^3 - 24\,x^2 + 12\,x - 1)}$$

Sequence: A228794
Score: 3.79632
Type of gen. func.: ogf

$$-\frac{2\,(555\,x^6 - 1256\,x^5 + 58\,x^4 - 280\,x^3 + 116\,x^2 - 35\,x + 4)}{36\,x^5 - 157\,x^4 + 217\,x^3 - 112\,x^2 + 21\,x - 1}$$

Sequence: A228797
Score: 11.5322
Type of gen. func.: lgdogf

$$-\frac{3x^2+6x+1}{x^3+3x^2+x-1}$$

Sequence: A228797
Score: 18.0015
Type of gen. func.: ogf

$$-\frac{2}{(x+1)(x^2+2x-1)}$$

Sequence: A228797
Score: 6.58982
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+2)+3a(n+1)+a(n), a(0)=2, a(1)=2, a(2)=8\}$$

Sequence: A228797
Score: 7.23588
Type of gen. func.: ogf

$$(119 f(x)+50)(f(x)x^3+3f(x)x^2+f(x)x-f(x)+2)$$

Sequence: A228798
Score: 7.51515
Type of gen. func.: ogf

$$-\frac{3x^3+x^2-x-4}{(x+1)(x^4-6x^2-2x+1)}$$

Sequence: A228799
Score: 4.36165

Type of gen. func.: ogf

$$\frac{7 x^6 - 33 x^5 + 12 x^4 - 46 x^3 - 17 x^2 + 5 x + 8}{(x + 1) (x^2 - 2 x - 1) (x^5 - 4 x^4 - 5 x^3 + 9 x^2 + 4 x - 1)}$$

Sequence: A228826
Score: 10.1549
Type of gen. func.: lgdogf

$$- \frac{-x^2 + 4 x + 1}{-x^3 + 2 x^2 - x + 2}$$

Sequence: A228826
Score: 10.1549
Type of gen. func.: ogf

$$\{-a(n + 2) - a(n), a(0) = 2, a(1) = -1\}$$

Sequence: A228826
Score: 14.4425
Type of gen. func.: ogf

$$f(x) x^2 + f(x) + x - 2$$

Sequence: A228826
Score: 15.8516
Type of gen. func.: ogf

$$- \frac{x - 2}{x^2 + 1}$$

Sequence: A228831
Score: 11.9793
Type of gen. func.: ogf_with_Euler_transform]

3 2

$$-\frac{6 x - 2 x + 10 x - 2}{-x^4 + 1}$$

Sequence: A228834
Score: 12.3419
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-6 x^3 - 4 x^2 - 4 x - 4}{x^4 - 1}$$

Sequence: A228840
Score: 13.5567
Type of gen. func.: ogf

$$-\frac{15 x - 2}{27 x^2 - 15 x + 1}$$

Sequence: A228840
Score: 6.997
Type of gen. func.: ogf

$$-(13 f(x) - 1) (27 f(x) x^2 - 15 f(x) x + f(x) + 15 x - 2)$$

Sequence: A228840
Score: 7.65554
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1) + 27 a(n), a(0) = 2, a(1) = 15\}$$

Sequence: A228840
Score: 8.79353
Type of gen. func.: lgdogf

$$-\frac{-405 x^2 + 108 x - 15}{-405 x^3 + 279 x^2 - 45 x + 2}$$

Sequence: A228842
Score: 11.2892
Type of gen. func.: lgdogf

$$-\frac{-12 x^2 + 8 x - 3}{-12 x^3 + 22 x^2 - 9 x + 1}$$

Sequence: A228842
Score: 16.8084
Type of gen. func.: ogf

$$-\frac{2 (3 x - 1)}{4 x^2 - 6 x + 1}$$

Sequence: A228842
Score: 8.31183
Type of gen. func.: ogf

$$-(80 f(x) - 79) (4 f(x) x^2 - 6 f(x) x + f(x) + 6 x - 2)$$

Sequence: A228842
Score: 9.22410
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 4 a(n), a(0) = 2, a(1) = 6\}$$

Sequence: A228843
Score: 13.9701
Type of gen. func.: ogf

$$-\frac{2 (12 x - 1)}{64 x^2 - 24 x + 1}$$

Sequence: A228843
Score: 7.13368
Type of gen. func.: ogf

$$-(80 f(x) - 79) (64 f(x) x^2 - 24 f(x) x + f(x) + 24 x - 2)$$

Sequence: A228843
Score: 7.88901
Type of gen. func.: ogf

$$\{a(n + 2) - 24 a(n + 1) + 64 a(n), a(0) = 2, a(1) = 24\}$$

Sequence: A228843
Score: 9.06170
Type of gen. func.: lgdogf

$$-\frac{-768 x^2 + 128 x - 12}{-768 x^3 + 352 x^2 - 36 x + 1}$$

Sequence: A228847
Score: 7.62965
Type of gen. func.: ogf

$$-\frac{6 (980 x^{23} + 140 x^{17} + 70 x^{15} + 14 x^8 + 21 x^6 + 25 x^4 + 8 x^2 + x + 1)}{x - 1}$$

Sequence: A228871
Score: 12.6376
Type of gen. func.: ogf

$$\frac{32 x + 3}{(64 x - 1) (x - 1)}$$

Sequence: A228871
Score: 6.3853
Type of gen. func.: ogf

2

$$(14371 f(x) + 8416) (64 f(x) x - 65 f(x) x + f(x) - 32 x - 3)$$

Sequence: A228871
Score: 7.05352
Type of gen. func.: ogf

$$\{-a(n + 2) + 65 a(n + 1) - 64 a(n), a(0) = 3, a(1) = 227\}$$

Sequence: A228871
Score: 7.67852
Type of gen. func.: lgdogf

$$-\frac{2048 x^2 + 384 x - 227}{2048 x^3 - 1888 x^2 - 163 x + 3}$$

Sequence: A228873
Score: 11.6105
Type of gen. func.: ogf

$$-\frac{6}{(x - 1) (x^2 + 3 x + 1) (x^2 - 7 x + 1)}$$

Sequence: A228873
Score: 6.78235
Type of gen. func.: lgdogf

$$-\frac{-5 x^4 + 20 x^3 + 45 x^2 - 30 x - 5}{-x^5 + 5 x^4 + 15 x^3 - 15 x^2 - 5 x + 1}$$

Sequence: A228874
Score: 7.15462
Type of gen. func.: ogf

$$\frac{6 (x^4 - 4 x^3 - 24 x^2 + 6 x - 4)}{(x - 1) (x^2 + 3 x + 1) (x^2 - 7 x + 1)}$$

Sequence: A228879
Score: 11.2844
Type of gen. func.: ogf

$$(24 f(x) - 47) (3 f(x) x^2 - f(x) + 7 x + 4)$$

Sequence: A228879
Score: 11.4503
Type of gen. func.: lgdogf

$$- \frac{21 x^2 + 24 x + 7}{21 x^3 + 12 x^2 - 7 x - 4}$$

Sequence: A228879
Score: 12.1660
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n), a(0) = 4, a(1) = 7\}$$

Sequence: A228879
Score: 18.9908
Type of gen. func.: ogf

$$- \frac{7 x + 4}{3 x^2 - 1}$$

Sequence: A228887
Score: 11.3805
Type of gen. func.: ogf

$$\frac{4 x^2 + 19 x + 4}{(x - 1)^4}$$

Sequence: A228887
Score: 11.7152
Type of gen. func.: lgdogf

$$-\frac{8 x^2 + 65 x + 35}{4 x^3 + 15 x^2 - 15 x - 4}$$

Sequence: A228887
Score: 3.84846
Type of gen. func.: ogf

$$\{(4 n + 16) a(n + 4) + (10 + 15 n) a(n + 3) + (-95 - 15 n) a(n + 2) + (-12 - 4 n) a(n + 1), a(0) = 4, a(1) = 35, a(2) = 120, a(3) = 286\}$$

Sequence: A228887
Score: 5.90097
Type of gen. func.: ogf

$$(468 f(x) + 6667) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 4 x^2 + f(x) - 19 x - 4)$$

Sequence: A228888
Score: 11.4251
Type of gen. func.: ogf

$$\frac{x^2 + 16 x + 10}{(x - 1)^4}$$

Sequence: A228888
Score: 11.9292
Type of gen. func.: lgdogf

$$-\frac{-2 x^2 - 50 x - 56}{-x^3 - 15 x^2 + 6 x + 10}$$

Sequence: A228888
Score: 3.91876
Type of gen. func.: ogf

$$\{(10 n + 40) a(n + 4) + (-38 + 6 n) a(n + 3) + (-80 - 15 n) a(n + 2) + (-3 - n) a(n + 1), a(0) = 10, a(1) = 56, a(2) = 165, a(3) = 364\}$$

Sequence: A228888
Score: 5.87813
Type of gen. func.: ogf

$$(5589 f(x) + 95318) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - x^2 + f(x) - 16 x - 10)$$

Sequence: A228889
Score: 11.2670
Type of gen. func.: ogf

$$\frac{6 (x^2 + 16 x + 10)}{(x - 1)^4}$$

Sequence: A228889
Score: 11.7640
Type of gen. func.: lgdogf

$$- \frac{-2 x^2 - 50 x - 56}{-x^3 - 15 x^2 + 6 x + 10}$$

Sequence: A228889
Score: 3.82753
Type of gen. func.: ogf

$$\{(10 n + 40) a(n + 4) + (-38 + 6 n) a(n + 3) + (-80 - 15 n) a(n + 2) + (-3 - n) a(n + 1), a(0) = 60, a(1) = 336, a(2) = 990, a(3) = 2184\}$$

Sequence: A228889
Score: 5.75506
Type of gen. func.: ogf

$$(1863 f(x) + 190636)\,(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 6 x^2 + f(x) - 96 x - 60)$$

Sequence: A228907
Score: 6.5811
Type of gen. func.: ogf

$$-f(x)^3 x^2 + f(x)^3 x + f(x)^2 x^2 - f(x)^2 x + 2 f(x) x - f(x) + 1$$

Sequence: A228907
Score: 6.88578
Type of gen. func.: revogf

$$\frac{(x^2 + x + 1 + (x^4 - 2 x^3 - 5 x^2 - 2 x + 1)^{1/2})\, x}{2 (x^2 + 2 x + 1)}$$

Sequence: A228909
Score: 7.89697
Type of gen. func.: ogf

$$- \frac{720 x^6}{(x - 1) (6 x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A228910
Score: 6.87665
Type of gen. func.: ogf

$$5040 x^7/((x - 1) (6 x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (8 x - 1) (7 x - 1) (5 x - 1))$$

Sequence: A228911

Score: 5.40521
Type of gen. func.: ogf

$$-40320\,x^{8}/((x-1)\,(6x-1)\,(4x-1)\,(3x-1)\,(9x-1)\,(2x-1)\,(8x-1)\,(7x-1)\,(5x-1))$$

Sequence: A228912
Score: 4.63334
Type of gen. func.: ogf

$$362880\,x^{9}/((x-1)\,(6x-1)\,(4x-1)\,(3x-1)\,(9x-1)\,(2x-1)\,(8x-1)\,(7x-1)\,(5x-1)\,(10x-1))$$

Sequence: A228913
Score: 8.29824
Type of gen. func.: lgdegf]

$$11\,(15x^{3}-60x^{2}+(255x^{6}+30870x^{4}+1091475x^{2}+12006225)^{1/2}+585x-3465)\bigg/(30x\,(x^{2}+39))$$

Sequence: A228920
Score: 10.9937
Type of gen. func.: ogf

$$-\frac{2\,(12x^{2}-6x+1)}{(4x-1)\,(8x^{2}-4x+1)}$$

Sequence: A228920
Score: 6.00496
Type of gen. func.: ogf

$$-(f(x)-2)\,(32\,f(x)\,x^{3}-24\,f(x)\,x^{2}+8\,f(x)\,x+24x^{2}-f(x)-12x+2)$$

Sequence: A228920

Score: 6.26834
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 24 a(n + 1) - 32 a(n), a(0) = 2, a(1) = 4, a(2) = 8\}$$

Sequence: A228921
Score: 4.82360
Type of gen. func.: ogf

$$-\frac{2 (28672 x^6 - 9216 x^5 + 1280 x^4 - 64 x^3 + 48 x^2 - 12 x + 1)}{(8 x - 1) (32 x^2 - 8 x + 1) (256 x^4 + 1)}$$

Sequence: A228935
Score: 14.4505
Type of gen. func.: ogf

$$-\frac{3 x (x - 1)}{(x + 1)^2}$$

Sequence: A228935
Score: 16.0926
Type of gen. func.: lgdogf

$$-\frac{-x + 3}{-x^2 + 1}$$

Sequence: A228935
Score: 33.5438
Type of gen. func.: ogf_with_Euler_transform]

$$[-3 + 2 x]$$

Sequence: A228935
Score: 7.01065
Type of gen. func.: ogf

$$\{-a(n + 3) - 2 a(n + 2) - a(n + 1), a(0) = 0, a(1) = 3, a(2) = -9\}$$

Sequence: A228935
Score: 8.74168
Type of gen. func.: ogf

$$f(x)\,(f(x)\,x^{2} + 2\,f(x)\,x + 3\,x^{2} + f(x) - 3\,x)$$

Sequence: A228936
Score: 5.08943
Type of gen. func.: ogf

$$(8\,f(x) - 115)\,(f(x)\,x^{4} + x^{4} + 2\,f(x)\,x^{2} + 3\,x^{3} + f(x) - 3\,x - 1)$$

Sequence: A228936
Score: 8.06478
Type of gen. func.: ogf

$$-\frac{(x - 1)\,(x + 1)\,(x^{2} + 3\,x + 1)}{(x^{2} + 1)^{2}}$$

Sequence: A228937
Score: 6.23599
Type of gen. func.: ogf

$$-\frac{(x - 1)\,(x + 1)\,(x^{6} + 2\,x^{5} + 31\,x^{4} + 15\,x^{3} + 31\,x^{2} + 2\,x + 1)}{(x^{4} + 1)^{2}}$$

Sequence: A228949
Score: 9.70496
Type of gen. func.: ogf

$$-\frac{x^{5} - 5\,x^{3} - 7\,x^{2} - 3\,x - 4}{(x - 1)^{2}\,(x^{2} + x + 1)^{2}}$$

Sequence: A228958
Score: 7.48165
Type of gen. func.: ogf

$$\frac{x^5 - x^4 + 6 x^3 + x + 1}{(x + 1)^3 (x - 1)^4}$$

Sequence: A228959
Score: 3.71866
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) + (-n^2 - 9 n - 18) a(n + 2) + (2 n + 9) a(n + 3) - a(n + 4), a(0) = 0, a(1) = 1, a(2) = 6, a(3) = 32\}$$

Sequence: A228966
Score: 11.9244
Type of gen. func.: revogf

$$- \frac{x^3 + 2 x^2 - x}{x^2 + 2 x + 1}$$

Sequence: A228966
Score: 7.53119
Type of gen. func.: ogf

$$f(x)^3 x^2 + f(x)^2 x^2 + 2 f(x)^2 x + 2 f(x) x - f(x) + 1$$

Sequence: A228967
Score: 13.5004
Type of gen. func.: lgdogf

$$- \frac{-27 x^2 - 8 x - 9}{-9 x^3 - 2 x^2 + 9 x + 2}$$

Sequence: A228967
Score: 17.9087
Type of gen. func.: ogf

$$\frac{9 x + 2}{(x + 1)^2 (x - 1)^2}$$

Sequence: A228967
Score: 4.38762
Type of gen. func.: ogf

$$\{(-2 n - 8) a(n + 4) + (-18 - 9 n) a(n + 3) + (12 + 2 n) a(n + 2) + (36 + 9 n) a(n + 1), a(0) = 2, a(1) = 9, a(2) = 4, a(3) = 18\}$$

Sequence: A228967
Score: 8.95433
Type of gen. func.: ogf

$$-(17171 f(x) - 439346) (f(x) x^4 - 2 f(x) x^2 + f(x) - 9 x - 2)$$

Sequence: A228980
Score: 4.56692
Type of gen. func.: ogf

$$(9 f(x) - 74) (6 f(x) x^4 - 6 f(x) x^3 - 7 f(x) x^2 + 4 x^3 + 6 f(x) x - 4 x^2 - f(x) - 8 x + 4)$$

Sequence: A228980
Score: 8.18484
Type of gen. func.: ogf

$$- \frac{4 (x^3 - x^2 - 2 x + 1)}{6 x^4 - 6 x^3 - 7 x^2 + 6 x - 1}$$

Sequence: A229003
Score: 3.05817
Type of gen. func.: egf]

$$\{(-3 - n) a(n + 1) + (n^2 + 8 n + 14) a(n + 2) + (-2 n^2 - 13 n - 19) a(n + 3) + (n^2 + 6 n + 8) a(n + 4), a(0) = 0, a(1) = 1, a(2) = 5, a(3) = 11\}$$

Sequence: A229004
Score: 10.9087
Type of gen. func.: ogf

$$\frac{2 x^4 + 2 x^3 + x^2 + 4 x + 4}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A229006
Score: 3.99144
Type of gen. func.: ogf

$$-\frac{2 x^{12} - 2 x^{11} + 2 x^9 - x^8 + x^7 + 3 x^6 + 2 x^4 + 4 x^3 + x^2 + x + 3}{2 x^{13} - 2 x^{12} + 2 x^{11} - x^9 + 2 x^8 - x^6 + 2 x^5 - x^3 + 2 x - 1}$$

Sequence: A229013
Score: 10.4173
Type of gen. func.: ogf

$$-\frac{(x - 2) (x^2 + 4 x + 1)}{(x - 1)^4}$$

Sequence: A229013
Score: 4.05117
Type of gen. func.: ogf

$$\{(-149 n^2 - 343 n - 90) a(n + 1) + (928 n^2 + 6728 n + 14244) a(n + 2) + (-779 n^2 - 4495 n - 6474) a(n + 3), a(0) = 2, a(1) = 15, a(2) = 46\}$$

Sequence: A229013
Score: 5.53194
Type of gen. func.: ogf

$$(4932 f(x) + 100925)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + x^3 - 4 f(x) x + 2 x^2 + f(x) - 7 x - 2)$$

Sequence: A229013
Score: 9.78209
Type of gen. func.: lgdogf

$$- \frac{-x^3 - 7 x^2 + 17 x + 15}{-x^4 - x^3 + 9 x^2 - 5 x - 2}$$

Sequence: A229014
Score: 7.92547
Type of gen. func.: ogf

$$\frac{(x - 2) (x^3 + 3 x^2 + 11 x + 1)}{(x - 1)^5}$$

Sequence: A229014
Score: 8.18113
Type of gen. func.: lgdogf

$$- \frac{-x^4 - 6 x^3 - 18 x^2 + 74 x + 31}{-x^5 - 4 x^3 + 26 x^2 - 19 x - 2}$$

Sequence: A229015
Score: 6.00386
Type of gen. func.: ogf

$$x^5 + 2 x^4 - 32 x^3 + 20 x^2 + 45 x + 2$$

$$\frac{\qquad}{(x-1)^{6}}$$

Sequence: A229016
Score: 5.19724
Type of gen. func.: ogf

$$-\frac{x^{6}+9x^{5}-4x^{4}-148x^{3}+137x^{2}+91x+2}{(x-1)^{7}}$$

Sequence: A229017
Score: 4.44856
Type of gen. func.: ogf

$$-\frac{x^{7}-8x^{6}-121x^{5}+268x^{4}+405x^{3}-566x^{2}-177x-2}{(x-1)^{8}}$$

Sequence: A229025
Score: 10.6464
Type of gen. func.: ogf

$$-\frac{1}{(4x-1)(2x-1)(8x-1)(7x-1)(5x-1)}$$

Sequence: A229026
Score: 10.2752
Type of gen. func.: lgdogf

$$-\frac{160x^{2}-151x+19}{40x^{3}-53x^{2}+14x-1}$$

Sequence: A229026
Score: 13.2110
Type of gen. func.: ogf

$$\frac{1}{(8 x - 1) (x - 1) (5 x - 1)^{2}}$$

Sequence: A229026
Score: 3.52294
Type of gen. func.: ogf

$\{(n + 4) a(n + 4) + (-61 - 14 n) a(n + 3) + (257 + 53 n) a(n + 2)$

$+ (-200 - 40 n) a(n + 1), a(0) = 1, a(1) = 19, a(2) = 238, a(3) = 2490\}$

Sequence: A229026
Score: 5.13763
Type of gen. func.: ogf

$(292560795301 f(x) + 7167232000)$

$(200 f(x) x^{4} - 305 f(x) x^{3} + 123 f(x) x^{2} - 19 f(x) x + f(x) - 1)$

Sequence: A229031
Score: 10.8054
Type of gen. func.: lgdogf

$$- \frac{-384 x^{3} + 224 x^{2} - 40 x}{-192 x^{4} + 128 x^{3} - 4 x^{2} - 8 x + 1}$$

Sequence: A229031
Score: 15.5671
Type of gen. func.: ogf

$$- \frac{120 (4 x - 1)}{(6 x - 1) (2 x - 1) (4 x + 1)}$$

Sequence: A229031
Score: 7.78353
Type of gen. func.: ogf

$\{-a(n + 3) + 4 a(n + 2) + 20 a(n + 1) - 48 a(n), a(0) = 120, a(1) = 0,$

$a(2) = 2400\}$

Sequence: A229031
Score: 7.78354
Type of gen. func.: ogf

$$(20701 f(x) - 609120) (48 f(x) x^3 - 20 f(x) x^2 - 4 f(x) x + f(x) + 480 x - 120)$$

Sequence: A229036
Score: 12.2768
Type of gen. func.: lgdegf]

$$-\frac{-6 x - 4}{-45 x^3 + 39 x^2 - 14 x + 2}$$

Sequence: A229036
Score: 12.9345
Type of gen. func.: egf]

$$\frac{15 x^2 - 8 x + 2}{2 (3 x - 1)^2}$$

Sequence: A229036
Score: 3.55065
Type of gen. func.: ogf

$$\{(15 n^2 + 15 n) a(n) + (-18 n^2 - 77 n - 57) a(n + 1)$$

$$+ (3 n^2 + 27 n + 44) a(n + 2) + (-3 - n) a(n + 3), a(0) = 1, a(1) = 2,$$

$$a(2) = 21\}$$

Sequence: A229036
Score: 9.78827
Type of gen. func.: egf]

$$-18 f(x) x^2 + 12 f(x) x + 15 x^2 - 2 f(x) - 8 x + 2$$

Sequence: A229039
Score: 10.0132
Type of gen. func.: egf]

$$-2 f(x) x^2 + 4 f(x) x - 3 x^2 - 2 f(x) + 2 x + 2$$

Sequence: A229039
Score: 13.4139
Type of gen. func.: egf]

$$-\frac{3 x^2 - 2 x - 2}{2 (x - 1)^2}$$

Sequence: A229039
Score: 13.6719
Type of gen. func.: lgdegf]

$$-\frac{-4 x + 6}{-3 x^3 + 5 x^2 - 2}$$

Sequence: A229039
Score: 3.59060
Type of gen. func.: ogf

$$\{(6 n^2 + 6 n) a(n) + (5 n^2 + 14 n + 17) a(n + 1) + (n^2 + 2 n + 3) a(n + 2)$$

$$+ (-3 - n) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 7\}$$

Sequence: A229042
Score: 15.1040
Type of gen. func.: revogf

$$-x^2 - 1/2 + \frac{(4 x + 1)^{1/2}}{2}$$

Sequence: A229043
Score: 16.8752
Type of gen. func.: revogf

$$-1/2 - x^{3} + \frac{(4 x + 1)^{1/2}}{2}$$

Sequence: A229072
Score: 12.5198
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^{15} - x^{14} + x^{13} - x^{12} + x^{11} - x^{10} + x^{9} - x^{8} + x^{7} + x + 1)}{2 x - 1}$$

Sequence: A229083
Score: 7.26844
Type of gen. func.: ogf

$$-\frac{x^{7} - 2 x^{6} + x^{5} - 3 x^{4} + x^{3} + 2 x^{2} + x + 1}{(x - 1) (x^{4} + 2 x^{2} - 1) (x^{4} - 2 x^{2} - 1)}$$

Sequence: A229093
Score: 7.25326
Type of gen. func.: ogf

$$\frac{x^{2} (x^{7} - 2 x^{6} + x^{5} - x^{4} + x^{3} - x^{2} - 1)}{(x^{2} + x + 1) (x - 1)^{3}}$$

Sequence: A229111
Score: 3.12831
Type of gen. func.: ogf

$$\{(125 n^{3} + 750 n^{2} + 1500 n + 1000) a(n + 1)$$

$$+ (22 n^{3} + 165 n^{2} + 417 n + 355) a(n + 2)$$

$$+ (n^3 + 9 n^2 + 27 n + 27) a(n + 3), a(0) = 1, a(1) = -5, a(2) = 35\}$$

Sequence: A229117
Score: 5.30691
Type of gen. func.: ogf

$$- \frac{3 x^8 - 2 x^7 + x^6 - 19 x^5 + 11 x^4 - 5 x^3 + 10 x^2 + x + 2}{(x - 1) (x^6 - 6 x^3 + 1)}$$

Sequence: A229127
Score: 12.1931
Type of gen. func.: ogf

$$\frac{90 x^2 - 10 x + 1}{(10 x - 1) (9 x - 1)}$$

Sequence: A229127
Score: 6.55669
Type of gen. func.: ogf

$$\{-a(n + 3) + 19 a(n + 2) - 90 a(n + 1), a(0) = 1, a(1) = 9, a(2) = 171\}$$

Sequence: A229127
Score: 8.79758
Type of gen. func.: lgdogf

$$- \frac{810 x^2 - 9}{8100 x^4 - 2610 x^3 + 370 x^2 - 29 x + 1}$$

Sequence: A229127
Score: 9.2668
Type of gen. func.: ogf

$$-90 f(x) x^2 + 19 f(x) x + 90 x^2 - f(x) - 10 x + 1$$

Sequence: A229131
Score: 5.01891
Type of gen. func.: ogf

$$\frac{x^7 - 2 x^6 + 2 x^5 - 4 x^4 + 5 x^3 - 2 x^2 - x - 1}{(x - 1) (x^6 - 6 x^3 + 1)}$$

Sequence: A229135
Score: 4.32198
Type of gen. func.: ogf

$$\{(-4 n^2 - 20 n - 24) a(n + 1) + (5 n^2 + 20 n + 15) a(n + 2)$$
$$+ (-n^2 - 3 n - 2) a(n + 3), a(0) = 0, a(1) = 4, a(2) = 20\}$$

Sequence: A229135
Score: 5.3056
Type of gen. func.: ogf

$$-(36 f(x) + 29) (16 f(x) x^4 - 40 f(x) x^3 + 33 f(x) x^2 - 34 x^3 - 10 f(x) x$$
$$+ 20 x^2 + f(x) - 4 x)$$

Sequence: A229135
Score: 8.45398
Type of gen. func.: lgdogf

$$- \frac{136 x^3 - 120 x^2 + 48 x - 10}{68 x^4 - 125 x^3 + 75 x^2 - 20 x + 2}$$

Sequence: A229135
Score: 9.73813
Type of gen. func.: ogf

$$2 x (17 x^2 - 10 x + 2)$$

$$\overline{(4 x - 1)^{2} (x - 1)^{2}}$$

Sequence: A229136
Score: 11.3427
Type of gen. func.: ogf

$$- \frac{2 (2 x - 1)^{2}}{(4 x - 1) (8 x^{2} - 4 x + 1)}$$

Sequence: A229136
Score: 6.21383
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 24 a(n + 1) - 32 a(n), a(0) = 2, a(1) = 8, a(2) = 24\}$$

Sequence: A229136
Score: 6.26834
Type of gen. func.: ogf

$$(3 f(x) - 17) (32 f(x) x^{3} - 24 f(x) x^{2} + 8 f(x) x + 8 x^{2} - f(x) - 8 x + 2)$$

Sequence: A229136
Score: 8.21369
Type of gen. func.: lgdogf

$$- \frac{64 x^{3} - 96 x^{2} + 32 x - 4}{64 x^{4} - 80 x^{3} + 40 x^{2} - 10 x + 1}$$

Sequence: A229138
Score: 4.43911
Type of gen. func.: ogf

$$- \frac{4 (2048 x^{6} - 1024 x^{5} + 128 x^{4} - 128 x^{3} + 56 x^{2} - 12 x + 1)}{(8 x - 1) (32 x^{2} - 8 x + 1) (256 x^{4} + 1)}$$

Sequence: A229144
Score: 11.2918
Type of gen. func.: ogf

$$\frac{x\,(x^{6} + 2\,x^{5} + 2\,x^{4} + 2\,x^{2} + x + 1)}{(x + 1)\,(x^{2} + 1)\,(x^{4} + 1)\,(x - 1)^{2}}$$

Sequence: A229146
Score: 3.94066
Type of gen. func.: ogf

$$\{(-1109\,n^{2} - 5116\,n - 5796)\,a(n + 1) + (2383\,n^{2} + 10702\,n + 22671)\,a(n + 2)$$
$$+ (-1274\,n^{2} - 4926\,n - 4756)\,a(n + 3),\ a(0) = 0,\ a(1) = 4,\ a(2) = 52\}$$

Sequence: A229146
Score: 8.60166
Type of gen. func.: ogf

$$-\frac{x\,(x^{3} + 23\,x^{2} + 32\,x + 4)}{(x - 1)^{5}}$$

Sequence: A229146
Score: 9.30179
Type of gen. func.: lgdogf

$$-\frac{2\,x^{3} + 72\,x^{2} + 174\,x + 52}{x^{4} + 22\,x^{3} + 9\,x^{2} - 28\,x - 4}$$

Sequence: A229147
Score: 6.92930
Type of gen. func.: ogf

4 3 2

$$\frac{x (x + 58 x + 198 x + 98 x + 5)}{(x - 1)^{6}}$$

Sequence: A229147
Score: 7.05529
Type of gen. func.: lgdogf

$$- \frac{-2 x^{4} - 178 x^{3} - 966 x^{2} - 886 x - 128}{-x^{5} - 57 x^{4} - 140 x^{3} + 100 x^{2} + 93 x + 5}$$

Sequence: A229148
Score: 5.66972
Type of gen. func.: ogf

$$- \frac{x (x^{5} + 137 x^{4} + 957 x^{3} + 1157 x^{2} + 262 x + 6)}{(x - 1)^{7}}$$

Sequence: A229149
Score: 4.91868
Type of gen. func.: ogf

$$\frac{x (x^{6} + 312 x^{5} + 4029 x^{4} + 9664 x^{3} + 5499 x^{2} + 648 x + 7)}{(x - 1)^{8}}$$

Sequence: A229150
Score: 4.08607
Type of gen. func.: ogf

$$- \frac{x (x^{7} + 695 x^{6} + 15570 x^{5} + 65998 x^{4} + 74573 x^{3} + 23067 x^{2} + 1528 x + 8)}{(x - 1)^{9}}$$

Sequence: A229151
Score: 3.33774

Type of gen. func.: ogf

$$x\left(x^{8} + 1526 x^{7} + 56856 x^{6} + 395866 x^{5} + 780950 x^{4} + 486474 x^{3} + 89224 x^{2} + 3494 x + 9\right) / (x - 1)^{10}$$

Sequence: A229154
Score: 7.82384
Type of gen. func.: ogf

$$-\frac{x^{6} - 2 x^{5} + x^{4} - x^{3} + 2 x^{2} + 1}{(x^{2} + x + 1)(x - 1)^{3}}$$

Sequence: A229180
Score: 15.1931
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3 x^{4} - 6 x^{2} - 3}{-x^{6} + 1}$$

Sequence: A229183
Score: 11.1971
Type of gen. func.: ogf

$$\frac{x(2 x^{2} - x + 2)}{(x - 1)^{4}}$$

Sequence: A229183
Score: 12.7716
Type of gen. func.: lgdogf

$$-\frac{-4 x^{2} - x - 7}{-2 x^{3} + 3 x^{2} - 3 x + 2}$$

Sequence: A229183
Score: 4.14916
Type of gen. func.: ogf

$$\{(6 + 2 n) a(n + 4) + (-13 - 3 n) a(n + 3) + (2 + 3 n) a(n + 2)$$

$$+ (-4 - 2 n) a(n + 1), a(0) = 0, a(1) = 2, a(2) = 7, a(3) = 18\}$$

Sequence: A229183
Score: 5.88047
Type of gen. func.: ogf

$$-(60 f(x) + 19)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 2 x^3 - 4 f(x) x + x^2 + f(x) - 2 x)$$

Sequence: A229204
Score: 7.17449
Type of gen. func.: ogf

$$\frac{x^3 (x^2 + 1) (x^4 - x^3 - x^2 - 2 x + 2)}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A229224
Score: 8.48269
Type of gen. func.: lgdegf]

$$1 + x + 1/2 x^2 + 1/6 x^3 + 1/24 x^4 + 1/120 x^5 + 1/720 x^6$$

Sequence: A229225
Score: 12.0026
Type of gen. func.: lgdegf]

$$1 + x + 1/2 x^2 + 1/6 x^3 + 1/24 x^4 + 1/120 x^5 + 1/720 x^6 + 1/5040 x^7$$

Sequence: A229225
Score: 7.21029

Type of gen. func.: lgdegf]

$$1 + x + 1/2\ x^{2} + 1/6\ x^{3} + 1/24\ x^{4} + 1/120\ x^{5} + 1/720\ x^{6} + 1/5040\ x^{7}$$

Sequence: A229277
Score: 15.8066
Type of gen. func.: ogf

$$-\frac{3\ x\ (x - 1)}{(3\ x - 1)^{2}}$$

Sequence: A229277
Score: 16.1359
Type of gen. func.: lgdogf

$$-\frac{-3\ x + 5}{-3\ x^{2} + 4\ x - 1}$$

Sequence: A229277
Score: 7.59335
Type of gen. func.: ogf

$$\{a(n + 3) - 6\ a(n + 2) + 9\ a(n + 1),\ a(0) = 0,\ a(1) = 3,\ a(2) = 15\}$$

Sequence: A229277
Score: 9.11202
Type of gen. func.: ogf

$$-f(x)\ (9\ f(x)\ x^{2} - 6\ f(x)\ x + 3\ x^{2} + f(x) - 3\ x)$$

Sequence: A229278
Score: 13.6901
Type of gen. func.: lgdogf

$$-\frac{-12\ x + 13}{-12\ x^{2} + 11\ x - 2}$$

Sequence: A229278
Score: 14.2377
Type of gen. func.: ogf

$$-\frac{2 x (3 x - 2)}{(4 x - 1)^2}$$

Sequence: A229278
Score: 6.91149
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 16 a(n + 1), a(0) = 0, a(1) = 4, a(2) = 26\}$$

Sequence: A229278
Score: 8.27772
Type of gen. func.: ogf

$$-f(x) (16 f(x) x^2 - 8 f(x) x + 6 x^2 + f(x) - 4 x)$$

Sequence: A229279
Score: 13.9891
Type of gen. func.: ogf

$$-\frac{5 x (2 x - 1)}{(5 x - 1)^2}$$

Sequence: A229279
Score: 14.5487
Type of gen. func.: lgdogf

$$-\frac{-10 x + 8}{-10 x^2 + 7 x - 1}$$

Sequence: A229279
Score: 6.99456

Type of gen. func.: ogf

$$\{a(n + 3) - 10 a(n + 2) + 25 a(n + 1), a(0) = 0, a(1) = 5, a(2) = 40\}$$

Sequence: A229279
Score: 8.2663
Type of gen. func.: ogf

$$-f(x) (25 f(x) x^2 - 10 f(x) x + 10 x^2 + f(x) - 5 x)$$

Sequence: A229280
Score: 13.7313
Type of gen. func.: lgdogf

$$- \frac{-30 x + 19}{-30 x^2 + 17 x - 2}$$

Sequence: A229280
Score: 13.7313
Type of gen. func.: ogf

$$- \frac{3 x (5 x - 2)}{(6 x - 1)^2}$$

Sequence: A229280
Score: 6.86567
Type of gen. func.: ogf

$$\{a(n + 3) - 12 a(n + 2) + 36 a(n + 1), a(0) = 0, a(1) = 6, a(2) = 57\}$$

Sequence: A229280
Score: 8.50037
Type of gen. func.: ogf

$$f(x) (36 f(x) x^2 - 12 f(x) x + 15 x^2 + f(x) - 6 x)$$

Sequence: A229281
Score: 13.1734
Type of gen. func.: lgdogf

$$-\frac{-21 x + 11}{-21 x^2 + 10 x - 1}$$

Sequence: A229281
Score: 13.1734
Type of gen. func.: ogf

$$-\frac{7 x (3 x - 1)}{(7 x - 1)^2}$$

Sequence: A229281
Score: 6.58670
Type of gen. func.: ogf

$$\{a(n + 3) - 14 a(n + 2) + 49 a(n + 1), a(0) = 0, a(1) = 7, a(2) = 77\}$$

Sequence: A229281
Score: 7.78429
Type of gen. func.: ogf

$$-f(x) (49 f(x) x^2 - 14 f(x) x + 21 x^2 + f(x) - 7 x)$$

Sequence: A229282
Score: 13.9345
Type of gen. func.: lgdogf

$$-\frac{-56 x + 25}{-56 x^2 + 23 x - 2}$$

Sequence: A229282
Score: 13.9345
Type of gen. func.: ogf

$$-\frac{4x(7x-2)}{(8x-1)^2}$$

Sequence: A229282
Score: 6.90091
Type of gen. func.: ogf

$$\{a(n+3) - 16\, a(n+2) + 64\, a(n+1),\ a(0) = 0,\ a(1) = 8,\ a(2) = 100\}$$

Sequence: A229282
Score: 8.62615
Type of gen. func.: ogf

$$f(x)\,(64\, f(x)\, x^2 - 16\, f(x)\, x + 28\, x^2 + f(x) - 8\, x)$$

Sequence: A229283
Score: 13.3080
Type of gen. func.: lgdogf

$$-\frac{-36x+14}{-36x^2+13x-1}$$

Sequence: A229283
Score: 13.3080
Type of gen. func.: ogf

$$-\frac{9x(4x-1)}{(9x-1)^2}$$

Sequence: A229283
Score: 6.59061
Type of gen. func.: ogf

$$\{a(n+3) - 18\, a(n+2) + 81\, a(n+1),\ a(0) = 0,\ a(1) = 9,\ a(2) = 126\}$$

Sequence: A229283
Score: 7.8638
Type of gen. func.: ogf

$$-f(x)\,(81\,f(x)\,x^2 - 18\,f(x)\,x + 36\,x^2 + f(x) - 9\,x)$$

Sequence: A229284
Score: 12.9815
Type of gen. func.: ogf

$$-\frac{5\,x\,(9\,x - 2)}{(10\,x - 1)^2}$$

Sequence: A229284
Score: 13.4808
Type of gen. func.: lgdogf

$$-\frac{-90\,x + 31}{-90\,x^2 + 29\,x - 2}$$

Sequence: A229284
Score: 6.55141
Type of gen. func.: ogf

$\{a(n + 3) - 20\,a(n + 2) + 100\,a(n + 1),\ a(0) = 0,\ a(1) = 10,\ a(2) = 155\}$

Sequence: A229284
Score: 7.7889
Type of gen. func.: ogf

$$-f(x)\,(100\,f(x)\,x^2 - 20\,f(x)\,x + 45\,x^2 + f(x) - 10\,x)$$

Sequence: A229314
Score: 5.01155
Type of gen. func.: ogf

$(f(x) + 30)$

4 3 2 3

$$(2 f(x) x - f(x) x + 2 f(x) x + 2 x + 3 f(x) x - f(x) + 2 x + 4)$$

Sequence: A229314
Score: 9.44203
Type of gen. func.: ogf

$$-\frac{2 (x + 1) (x^2 - x + 2)}{2 x^4 - x^3 + 2 x^2 + 3 x - 1}$$

Sequence: A229339
Score: 5.56577
Type of gen. func.: ogf

$$-(x^{12} - x^{11} + 2 x^{10} - 5 x^9 - 2 x^8 - x^7 - 6 x^6 + x^5 - 2 x^4 + 5 x^3 + 2 x^2 + x + 1) / ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 + x^2 - 1) (x^4 - x^2 - 1))$$

Sequence: A229354
Score: 11.8189
Type of gen. func.: ogf

$$-\frac{29 x^2 - 27 x + 6}{(2 x - 1) (3 x - 1) (x - 1)}$$

Sequence: A229354
Score: 6.14968
Type of gen. func.: ogf

$$-(526 f(x) - 3559)$$

$$(6 f(x) x^3 - 11 f(x) x^2 + 6 f(x) x + 29 x^2 - f(x) - 27 x + 6)$$

Sequence: A229354
Score: 6.63517
Type of gen. func.: ogf

$\{-a(n+3)+6a(n+2)-11a(n+1)+6a(n),\ a(0)=6,\ a(1)=9,\ a(2)=17\}$

Sequence: A229354
Score: 6.75365
Type of gen. func.: lgdogf

$$-\frac{-174x^4+324x^3-231x^2+74x-9}{-174x^5+481x^4-507x^3+257x^2-63x+6}$$

Sequence: A229355
Score: 4.66324
Type of gen. func.: ogf

$$(5193f(x)-138493)(24f(x)x^4-50f(x)x^3+35f(x)x^2+218x^3-10f(x)x-264x^2+f(x)+100x-12)$$

Sequence: A229355
Score: 8.26667
Type of gen. func.: ogf

$$-\frac{2(109x^3-132x^2+50x-6)}{(x-1)(3x-1)(2x-1)(4x-1)}$$

Sequence: A229356
Score: 6.63735
Type of gen. func.: ogf

$$-\frac{1814x^4-2543x^3+1262x^2-265x+20}{(x-1)(4x-1)(3x-1)(2x-1)(5x-1)}$$

Sequence: A229357
Score: 5.37513
Type of gen. func.: ogf

$$-\frac{18144 x^5 - 28874 x^4 + 17295 x^3 - 4919 x^2 + 669 x - 35}{(x - 1) (6 x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A229358
Score: 4.27714
Type of gen. func.: ogf

$$-\frac{196356 x^6 - 339112 x^5 + 230407 x^4 - 79457 x^3 + 14759 x^2 - 1407 x + 54}{(x - 1) (6 x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A229363
Score: 4.40191
Type of gen. func.: ogf

$$2 x (50 x^{15} + 5 x^{14} - 55 x^{13} - 10 x^{12} - 10 x^{11} - 10 x^{10} - 10 x^9 + 10 x^7 + 10 x^6 + 7 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 1) / ((x - 1) (x + 1) (10 x^8 - 1))$$

Sequence: A229364
Score: 4.55516
Type of gen. func.: ogf

$$- (10 x^{14} + 20 x^{13} + 20 x^{12} + 20 x^{11} + 20 x^{10} + 10 x^9 - 20 x^8 - 30 x^7 - 14 x^6 - 4 x^5 - 4 x^4 - 4 x^3 - 4 x^2 - 3 x - 1) / ((x - 1) (x + 1) (10 x^8 - 1))$$

Sequence: A229366
Score: 6.15181
Type of gen. func.: ogf

$$-\frac{4 x^4 - 17 x^3 + 4 x^2 + 22 x + 8}{4 x^5 - 13 x^4 + 3 x^3 + 13 x^2 + 2 x - 1}$$

Sequence: A229374

Score: 5.03252
Type of gen. func.: ogf

$$-(2893 f(x) + 3064) (2 f(x) x^3 - f(x) x^2 - 4 f(x) x + 2 x^2 + f(x) + 2 x - 8)$$

Sequence: A229374
Score: 5.29509
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) + a(n + 1) - 2 a(n), a(0) = 8, a(1) = 30, a(2) = 126\}$$

Sequence: A229374
Score: 9.98254
Type of gen. func.: ogf

$$-\frac{2 (x^2 + x - 4)}{2 x^3 - x^2 - 4 x + 1}$$

Sequence: A229386
Score: 3.94479
Type of gen. func.: ogf

$$-(14231 f(x) + 6590) (16 f(x) x^4 - 32 f(x) x^3 + 36 f(x) x^2 + 16 x^3 - 12 f(x) x - 32 x^2 + f(x) + 40 x - 14)$$

Sequence: A229386
Score: 7.23986
Type of gen. func.: ogf

$$-\frac{2 (2 x - 1) (4 x^2 - 6 x + 7)}{16 x^4 - 32 x^3 + 36 x^2 - 12 x + 1}$$

Sequence: A229397
Score: 4.53373
Type of gen. func.: ogf

$-(5 f(x) + 143)$

$$(f(x) x^4 - 3 f(x) x^3 + 6 f(x) x^2 + x^3 - 5 f(x) x - 3 x^2 + f(x) + 7 x - 4)$$

Sequence: A229397
Score: 8.41977
Type of gen. func.: ogf

$$-\frac{x^3 - 3 x^2 + 7 x - 4}{(x - 1) (x^3 - 2 x^2 + 4 x - 1)}$$

Sequence: A229398
Score: 4.27051
Type of gen. func.: ogf

$$-\frac{(x - 1) (2 x^6 - 15 x^5 + 35 x^4 - 49 x^3 + 41 x^2 - 30 x + 8)}{x^8 - 9 x^7 + 28 x^6 - 47 x^5 + 55 x^4 - 47 x^3 + 28 x^2 - 9 x + 1}$$

Sequence: A229406
Score: 5.32980
Type of gen. func.: ogf

$$-\frac{2 x^4 - 38 x^3 + 69 x^2 - 13 x - 15}{2 x^5 - 38 x^4 + 67 x^3 - 13 x^2 - 10 x + 1}$$

Sequence: A229422
Score: 7.51964
Type of gen. func.: lgdogf

$$-\frac{2 x^4 - 12 x^3 + 21 x^2 - 18 x + 12}{2 x^5 - 12 x^4 + 27 x^3 - 30 x^2 + 18 x - 5}$$

Sequence: A229422

Score: 7.98003
Type of gen. func.: ogf

$$-\frac{2x^4 - 10x^3 + 17x^2 - 13x + 5}{(x-1)^5}$$

Sequence: A229423
Score: 5.76323
Type of gen. func.: ogf

$$-\frac{3x^6 - 18x^5 + 48x^4 - 72x^3 + 62x^2 - 29x + 8}{(x-1)^7}$$

Sequence: A229424
Score: 3.78148
Type of gen. func.: ogf

$$-\frac{3x^8 - 27x^7 + 103x^6 - 222x^5 + 302x^4 - 272x^3 + 159x^2 - 53x + 12}{(x-1)^9}$$

Sequence: A229432
Score: 3.08157
Type of gen. func.: ogf

$$-(3489151925 f(x) + 325276326) (1296 f(x) x^4 - 936 f(x) x^3 + 342 f(x) x^2 + 1296 x^3 - 37 f(x) x - 936 x^2 + f(x) + 378 x - 43)$$

Sequence: A229432
Score: 5.76553
Type of gen. func.: ogf

$$-\frac{(6x - 1)(216x^2 - 120x + 43)}{1296x^4 - 936x^3 + 342x^2 - 37x + 1}$$

Sequence: A229439
Score: 7.64347
Type of gen. func.: lgdogf

$$-\frac{-2 x^{4}+12 x^{3}-24 x^{2}+16 x-7}{-2 x^{5}+12 x^{4}-28 x^{3}+31 x^{2}-17 x+4}$$

Sequence: A229439
Score: 8.03344
Type of gen. func.: ogf

$$-\frac{2 x^{4}-10 x^{3}+18 x^{2}-13 x+4}{(x-1)^{5}}$$

Sequence: A229440
Score: 5.50007
Type of gen. func.: ogf

$$-\frac{2 x^{6}-15 x^{5}+44 x^{4}-66 x^{3}+57 x^{2}-25 x+5}{(x-1)^{7}}$$

Sequence: A229441
Score: 4.01960
Type of gen. func.: ogf

$$-\frac{2 x^{8}-19 x^{7}+77 x^{6}-177 x^{5}+255 x^{4}-224 x^{3}+127 x^{2}-40 x+6}{(x-1)^{9}}$$

Sequence: A229446
Score: 10.3466
Type of gen. func.: ogf

$$-\frac{5 x^{3}-18 x^{2}+19 x-8}{}$$

$$(x - 1)^4$$

Sequence: A229446
Score: 4.27950
Type of gen. func.: ogf

$$\{(87 n^2 + 480 n + 612) a(n + 1) + (-140 n^2 - 523 n - 291) a(n + 2) + (53 n^2 + 145 n - 42) a(n + 3), a(0) = 8, a(1) = 13, a(2) = 22\}$$

Sequence: A229446
Score: 5.56044
Type of gen. func.: ogf

$$-(160 f(x) + 709) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 5 x^3 - 4 f(x) x - 18 x^2 + f(x) + 19 x - 8)$$

Sequence: A229446
Score: 9.50448
Type of gen. func.: lgdogf

$$- \frac{-5 x^3 + 21 x^2 - 21 x + 13}{-5 x^4 + 23 x^3 - 37 x^2 + 27 x - 8}$$

Sequence: A229447
Score: 7.32501
Type of gen. func.: lgdogf

$$- \frac{-7 x^4 + 24 x^3 - 66 x^2 + 44 x - 25}{-7 x^5 + 33 x^4 - 74 x^3 + 83 x^2 - 47 x + 12}$$

Sequence: A229447
Score: 7.76895
Type of gen. func.: ogf

$$-\frac{7x^4 - 26x^3 + 48x^2 - 35x + 12}{(x-1)^5}$$

Sequence: A229448
Score: 6.40039
Type of gen. func.: ogf

$$-\frac{6x^5 - 44x^4 + 79x^3 - 101x^2 + 55x - 17}{(x-1)^6}$$

Sequence: A229449
Score: 5.30978
Type of gen. func.: ogf

$$-\frac{11x^6 - 31x^5 + 159x^4 - 177x^3 + 188x^2 - 77x + 23}{(x-1)^7}$$

Sequence: A229450
Score: 4.47143
Type of gen. func.: ogf

$$\frac{3x^7 + 123x^6 - 66x^5 + 456x^4 - 302x^3 + 329x^2 - 98x + 30}{(x-1)^8}$$

Sequence: A229454
Score: 3.99967
Type of gen. func.: ogf

$$(7518926964\, f(x) + 918610471)$$

$$(4\, f(x)\, x^4 - 20\, f(x)\, x^3 + 29\, f(x)\, x^2 - 3x^3 - 10\, f(x)\, x + 2x^2 + f(x) - 2)$$

Sequence: A229454
Score: 8.05196
Type of gen. func.: ogf

$$\frac{3 x^3 - 2 x^2 + 2}{(2 x^2 - 5 x + 1)^2}$$

Sequence: A229455
Score: 4.57280
Type of gen. func.: ogf

$$\frac{8 x^6 - 12 x^5 - 27 x^4 + 38 x^3 + 17 x^2 - 24 x + 6}{(6 x^3 - 15 x^2 + 9 x - 1)^2}$$

Sequence: A229463
Score: 12.0956
Type of gen. func.: lgdogf

$$- \frac{78 x - 28}{26 x^2 - 27 x + 1}$$

Sequence: A229463
Score: 15.7243
Type of gen. func.: ogf

$$- \frac{1}{(26 x - 1) (x - 1)^2}$$

Sequence: A229463
Score: 5.33028
Type of gen. func.: ogf

{a(n + 3) - 28 a(n + 2) + 53 a(n + 1) - 26 a(n), a(0) = 1, a(1) = 28,

a(2) = 731}

Sequence: A229463
Score: 5.46933
Type of gen. func.: ogf

$$(73645521 f(x) - 4712396) (26 f(x) x^3 - 53 f(x) x^2 + 28 f(x) x - f(x) + 1)$$

Sequence: A229464
Score: 2.84660
Type of gen. func.: ogf

$$\{(-4 n^2 - 20 n - 24) a(n + 1) + (8 n^2 + 54 n + 90) a(n + 2) + (-4 n^2 - 34 n - 73) a(n + 3) + a(n + 4), a(0) = 1, a(1) = 7, a(2) = 133, a(3) = 5419\}$$

Sequence: A229472
Score: 3.62717
Type of gen. func.: ogf

$$\{(-3 n^2 - 15 n - 18) a(n + 1) + (4 n^2 + 16 n + 12) a(n + 2) + (-n^2 - 3 n - 2) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 6\}$$

Sequence: A229472
Score: 7.45147
Type of gen. func.: ogf

$$\frac{x (3 x^4 - 8 x^3 + 12 x^2 - 6 x + 1)}{(3 x - 1)^2 (x - 1)^2}$$

Sequence: A229473
Score: 5.18666
Type of gen. func.: ogf

$$\{a(n + 4) - 8 a(n + 3) + 16 a(n + 2), a(0) = 1, a(1) = 6, a(2) = 42, a(3) = 248\}$$

Sequence: A229473
Score: 5.51375
Type of gen. func.: ogf

$$-(320 f(x) - 113) (16 f(x) x^2 - 8 x^3 - 8 f(x) x - 10 x^2 + f(x) + 2 x - 1)$$

Sequence: A229473
Score: 7.11658
Type of gen. func.: lgdogf

$$-\frac{-32 x^3 + 24 x^2 + 12 x + 6}{32 x^4 + 32 x^3 - 18 x^2 + 6 x - 1}$$

Sequence: A229473
Score: 9.71470
Type of gen. func.: ogf

$$\frac{8 x^3 + 10 x^2 - 2 x + 1}{(4 x - 1)^2}$$

Sequence: A229474
Score: 3.14294
Type of gen. func.: ogf

$$(11478171264103 + 294991644120 f(x)) (64 f(x) x^4 - 112 f(x) x^3 - 96 x^4 + 65 f(x) x^2 + 46 x^3 - 14 f(x) x + 38 x^2 + f(x) - 14 x - 2)$$

Sequence: A229474
Score: 5.95153
Type of gen. func.: ogf

$$\frac{2 (48 x^4 - 23 x^3 - 19 x^2 + 7 x + 1)}{(8 x^2 - 7 x + 1)^2}$$

Sequence: A229475
Score: 3.50245
Type of gen. func.: ogf

$$2 (10240 x^8 - 4736 x^7 - 2824 x^6 + 7944 x^5 - 6024 x^4 + 2610 x^3 - 640 x^2 + 52 x + 3) \Big/ (64 x^4 - 68 x^3 + 40 x^2 - 12 x + 1)^2$$

Sequence: A229489
Score: 10.9005
Type of gen. func.: ogf

$$\frac{2 x^4 + x^3 + x^2 + x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A229489
Score: 5.78855
Type of gen. func.: ogf

$$\{a(n + 5) - a(n + 4) - a(n + 3) + a(n + 2), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 6, a(4) = 10\}$$

Sequence: A229489
Score: 6.31083
Type of gen. func.: ogf

$$-(69 f(x) + 31) (f(x) x^3 - 2 x^4 - f(x) x^2 - x^3 - f(x) x - x^2 + f(x) - x - 1)$$

Sequence: A229489
Score: 8.65299
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - 2 x^4 - 10 x^3 - 6 x^2 - 6 x - 2}{-2 x^6 - x^5 + x^4 + x + 1}$$

Sequence: A229502
Score: 4.59520
Type of gen. func.: ogf_with_Euler_transform]

$$-\left(4x^{15}+2x^{13}+2x^{12}+x^{11}+2x^{10}+x^{9}+4x^{7}+x^{5}+2x^{4}+x^{3}+2x^{2}+2x\right)\Big/\left(-x^{16}+1\right)$$

Sequence: A229504
Score: 10.2004
Type of gen. func.: ogf

$$-16 f(x) x^2 + 8 f(x) x - f(x) + 6 x$$

Sequence: A229504
Score: 16.1059
Type of gen. func.: ogf

$$\frac{6x}{(4x-1)^2}$$

Sequence: A229504
Score: 21.8581
Type of gen. func.: lgdogf

$$\frac{8}{-4x+1}$$

Sequence: A229504
Score: 7.46373
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 16 a(n), a(0) = 0, a(1) = 6\}$$

Sequence: A229505
Score: 10.7778
Type of gen. func.: ogf

$$-\frac{48 x (2 x - 1)}{(6 x - 1)^2}$$

Sequence: A229505
Score: 11.2004
Type of gen. func.: lgdogf

$$-\frac{-12 x + 10}{-12 x^2 + 8 x - 1}$$

Sequence: A229505
Score: 5.38888
Type of gen. func.: ogf

{a(n + 3) - 12 a(n + 2) + 36 a(n + 1), a(0) = 0, a(1) = 48, a(2) = 480}

Sequence: A229505
Score: 6.41822
Type of gen. func.: ogf

$$-f(x) (36 f(x) x^2 - 12 f(x) x + 96 x^2 + f(x) - 48 x)$$

Sequence: A229506
Score: 4.29551
Type of gen. func.: ogf

{-a(n + 4) + 18 a(n + 3) - 81 a(n + 2), a(0) = 0, a(1) = 288, a(2) = 4032,

a(3) = 50112}

Sequence: A229506
Score: 4.71366
Type of gen. func.: ogf

$$(2287 f(x) + 54068) (81 f(x) x^2 - 864 x^3 - 18 f(x) x + 1152 x^2 + f(x) - 288 x)$$

Sequence: A229506
Score: 8.07035
Type of gen. func.: ogf

$$\frac{288 x (3 x - 1) (x - 1)}{(9 x - 1)^2}$$

Sequence: A229506
Score: 8.73185
Type of gen. func.: lgdogf

$$- \frac{-30 x + 14}{27 x^3 - 39 x^2 + 13 x - 1}$$

Sequence: A229514
Score: 10.1995
Type of gen. func.: ogf

$$- \frac{x^3 + x + 3}{(x + 1) (x^3 - 2 x^2 + 3 x - 1)}$$

Sequence: A229514
Score: 5.25198
Type of gen. func.: ogf

$$-(7 f(x) + 10) (f(x) x^4 - f(x) x^3 + f(x) x^2 + x^3 + 2 f(x) x - f(x) + x + 3)$$

Sequence: A229522
Score: 7.59057
Type of gen. func.: ogf

$$- \frac{9 x^8 + 6 x^7 + 7 x^6 + 6 x^5 + 5 x^4 + 6 x^3 + 3 x^2 + 6 x + 1}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A229525
Score: 9.21956
Type of gen. func.: ogf

$$-\frac{x^5 - x^4 - 4x^3 - 2x^2 + 5x + 11}{(x-1)^3 (x+1)^3}$$

Sequence: A229526
Score: 7.35950
Type of gen. func.: ogf

$$-\frac{x^5 + x^4 - 4x^3 - 14x^2 + x + 5}{(x-1)^3 (x+1)^3}$$

Sequence: A229529
Score: 3.56117
Type of gen. func.: ogf

$$-(78901 f(x) - 2279794) (4 f(x) x^4 - 20 f(x) x^3 - 8 x^4 + 29 f(x) x^2 + 32 x^3 - 10 f(x) x - 36 x^2 + f(x) + 12 x - 2)$$

Sequence: A229529
Score: 6.45705
Type of gen. func.: ogf

$$\frac{2 (4x^4 - 16x^3 + 18x^2 - 6x + 1)}{(2x^2 - 5x + 1)^2}$$

Sequence: A229530
Score: 3.17093
Type of gen. func.: ogf

$$(232265814816182 + 1322458872183 f(x)) (16 f(x) x^4 - 56 f(x) x^3 - 105 x^4 + 57 f(x) x^2 + 274 x^3 - 14 f(x) x - 199 x^2 + f(x) + 48 x - 6)$$

Sequence: A229530
Score: 6.01156
Type of gen. func.: ogf

$$\frac{105 x^4 - 274 x^3 + 199 x^2 - 48 x + 6}{(4 x^2 - 7 x + 1)^2}$$

Sequence: A229535
Score: 11.5779
Type of gen. func.: lgdogf

$$- \frac{4 x^2 - 8 x - 2}{2 x^3 - 3 x + 1}$$

Sequence: A229535
Score: 3.60201
Type of gen. func.: ogf

$\{(n + 3) a(n + 4) + (-8 - 3 n) a(n + 3) - 8 a(n + 2) + (4 + 2 n) a(n + 1),$

$a(0) = 0, a(1) = 4, a(2) = 8, a(3) = 36\}$

Sequence: A229535
Score: 5.40301
Type of gen. func.: ogf

$$-(6 f(x) - 13) (4 f(x) x^4 + 8 f(x) x^3 - 4 x^3 - 4 f(x) x + 8 x^2 + f(x) - 4 x)$$

Sequence: A229535
Score: 9.97480
Type of gen. func.: ogf

$$\frac{4 x (x - 1)^2}{(2 x^2 + 2 x - 1)^2}$$

Sequence: A229536
Score: 4.73316
Type of gen. func.: ogf

$$\frac{x \left(4 x^{6} - 16 x^{5} - 3 x^{4} + 40 x^{3} + 33 x^{2} - 62 x + 20\right)}{\left(2 x^{3} - 4 x^{2} - 3 x + 1\right)^{2}}$$

Sequence: A229554
Score: 4.23861
Type of gen. func.: ogf

$$\{(-n^{2} - 4 n - 4) a(n + 1) + (n^{2} + 5 n + 5) a(n + 2) + (-n - 1) a(n + 3),$$

$$a(0) = 8, a(1) = 8, a(2) = 15\}$$

Sequence: A229571
Score: 3.18084
Type of gen. func.: ogf

$$\frac{2 x \left(40 x^{6} - 108 x^{5} + 14 x^{4} + 123 x^{3} - 87 x^{2} + 11 x + 3\right)}{(2 x - 1)^{3} (x - 1)^{3}}$$

Sequence: A229572
Score: 13.2821
Type of gen. func.: lgdogf

$$- \frac{-16 x - 6}{-12 x^{3} + 2 x^{2} + 1}$$

Sequence: A229572
Score: 13.5327
Type of gen. func.: ogf

$$\frac{6 x^{2} + 2 x + 1}{\qquad {}^{2}}$$

$$(2x-1)$$

Sequence: A229572
Score: 6.96345
Type of gen. func.: ogf

$$\{-a(n+3)+4a(n+2)-4a(n+1),\ a(0)=1,\ a(1)=6,\ a(2)=26\}$$

Sequence: A229572
Score: 7.71219
Type of gen. func.: ogf

$$(2+7f(x))\,(4f(x)x^{2}-4f(x)x-6x^{2}+f(x)-2x-1)$$

Sequence: A229573
Score: 3.99066
Type of gen. func.: ogf

$$-(124124f(x)+22614939)\,(4f(x)x^{4}-12f(x)x^{3}-20x^{4}+13f(x)x^{2}-29x^{3}$$
$$-6f(x)x+54x^{2}+f(x)-14x-2)$$

Sequence: A229573
Score: 7.32352
Type of gen. func.: ogf

$$\frac{20x^{4}+29x^{3}-54x^{2}+14x+2}{(2x-1)^{2}(x-1)^{2}}$$

Sequence: A229574
Score: 6.14943
Type of gen. func.: ogf

$$\frac{4x^{6}-20x^{5}-17x^{4}+254x^{3}-231x^{2}+44x+6}{(2x-1)^{2}(x-1)^{2}}$$

Sequence: A229575
Score: 6.13361
Type of gen. func.: ogf

$$\frac{2 (20 x^6 - 32 x^5 - 145 x^4 + 482 x^3 - 337 x^2 + 48 x + 10)}{(2 x - 1)^2 (x - 1)^2}$$

Sequence: A229576
Score: 5.58617
Type of gen. func.: ogf

$$\frac{156 x^6 - 92 x^5 - 1215 x^4 + 2754 x^3 - 1597 x^2 + 124 x + 70}{(2 x - 1)^2 (x - 1)^2}$$

Sequence: A229577
Score: 5.69789
Type of gen. func.: ogf

$$\frac{2 (232 x^6 + 4 x^5 - 1850 x^4 + 3332 x^3 - 1545 x^2 - 82 x + 123)}{(2 x - 1)^2 (x - 1)^2}$$

Sequence: A229580
Score: 10.4456
Type of gen. func.: lgdogf

$$- \frac{-8 x - 6}{-32 x^3 + 16 x^2 - 6 x + 1}$$

Sequence: A229580
Score: 11.2193
Type of gen. func.: ogf

$$\frac{8 x^2 - 2 x + 1}{{}^{2}}$$

$$(4 x - 1)$$

Sequence: A229580
Score: 5.82542
Type of gen. func.: ogf

$$\{-a(n + 3) + 8 a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 6, a(2) = 40\}$$

Sequence: A229580
Score: 8.4145
Type of gen. func.: ogf

$$-16 f(x) x^2 + 8 f(x) x + 8 x^2 - f(x) - 2 x + 1$$

Sequence: A229581
Score: 12.2179
Type of gen. func.: lgdogf

$$-\frac{12 x + 14}{12 x^2 + 4 x - 1}$$

Sequence: A229581
Score: 13.2577
Type of gen. func.: ogf

$$\frac{2 (2 x + 1)}{(6 x - 1)^2}$$

Sequence: A229581
Score: 7.00126
Type of gen. func.: ogf

$$(12 f(x) + 25) (36 f(x) x^2 - 12 f(x) x + f(x) - 4 x - 2)$$

Sequence: A229581
Score: 7.33073

Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 36 a(n), a(0) = 2, a(1) = 28\}$$

Sequence: A229582
Score: 4.91263
Type of gen. func.: ogf

$$\{-a(n + 3) + 18 a(n + 2) - 81 a(n + 1), a(0) = 6, a(1) = 116, a(2) = 1620\}$$

Sequence: A229582
Score: 5.40886
Type of gen. func.: ogf

$$(72 f(x) + 409) (81 f(x) x^2 - 18 f(x) x - 18 x^2 + f(x) - 8 x - 6)$$

Sequence: A229582
Score: 8.77831
Type of gen. func.: lgdogf

$$- \frac{54 x + 58}{81 x^3 + 27 x^2 + 23 x - 3}$$

Sequence: A229582
Score: 9.56209
Type of gen. func.: ogf

$$\frac{2 (9 x^2 + 4 x + 3)}{(9 x - 1)^2}$$

Sequence: A229583
Score: 3.33391
Type of gen. func.: ogf

$$(326276376 f(x) - 40363165) (324 f(x) x^4 - 540 f(x) x^3 + 261 f(x) x^2 + 72 x^3 - 30 f(x) x - 12 x^2 + f(x) + 36 x - 16)$$

Sequence: A229583
Score: 6.17532
Type of gen. func.: ogf

$$-\frac{4\,(18\,x^3-3\,x^2+9\,x-4)}{(18\,x^2-15\,x+1)^2}$$

Sequence: A229584
Score: 3.86864
Type of gen. func.: ogf

$$\frac{4\,(1701\,x^5-1485\,x^4+93\,x^3+262\,x^2-95\,x+10)}{(81\,x^3-90\,x^2+25\,x-1)^2}$$

Sequence: A229587
Score: 11.1051
Type of gen. func.: lgdogf

$$-\frac{-10\,x+14}{3\,x^3-13\,x^2+13\,x-3}$$

Sequence: A229587
Score: 11.6896
Type of gen. func.: ogf

$$\frac{2\,x\,(x-1)\,(x-3)}{(3\,x-1)^2}$$

Sequence: A229587
Score: 5.74403
Type of gen. func.: ogf

{-a(n + 4) + 6 a(n + 3) - 9 a(n + 2), a(0) = 0, a(1) = 6, a(2) = 28, a(3) = 116

}

Sequence: A229587
Score: 6.34578
Type of gen. func.: ogf

$$-(444 f(x) + 473) (9 f(x) x^2 - 2 x^3 - 6 f(x) x + 8 x^2 + f(x) - 6 x)$$

Sequence: A229588
Score: 5.57621
Type of gen. func.: ogf

$$\frac{4 x (37 x^4 - 47 x^3 + 35 x^2 - 34 x + 10)}{(2 x^2 - 5 x + 1)^2}$$

Sequence: A229593
Score: 7.56842
Type of gen. func.: ogf

$$-\frac{x (x + 1) (2 x^2 - x + 2)}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A229598
Score: 6.59253
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^4 - 2 x^3 + 5 x^2 - 2 x + 1)}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A229600
Score: 3.20875
Type of gen. func.: ogf

$$\{(-48057 n^2 - 89085 n) a(n + 1) + (104102 n^2 + 542220 n + 663772) a(n + 2)$$

2

$$+ (-29361 n - 122799 n - 128154) a(n + 3), a(0) = 0, a(1) = 6, a(2) = 39\}$$

Sequence: A229600
Score: 4.64485
Type of gen. func.: ogf

$$(607940608 f(x) + 540425821)$$

$$(27 f(x) x^{3} - 2 x^{4} - 27 f(x) x^{2} + 13 x^{3} + 9 f(x) x - 15 x^{2} - f(x) + 6 x)$$

Sequence: A229600
Score: 8.51554
Type of gen. func.: lgdogf

$$- \frac{33 x^{2} - 64 x + 39}{-6 x^{4} + 41 x^{3} - 58 x^{2} + 33 x - 6}$$

Sequence: A229600
Score: 8.62613
Type of gen. func.: ogf

$$\frac{x (2 x^{3} - 13 x^{2} + 15 x - 6)}{(3 x - 1)^{3}}$$

Sequence: A229601
Score: 4.53898
Type of gen. func.: ogf

$$\frac{8 x^{6} - 127 x^{5} + 137 x^{4} + 74 x^{3} - 108 x^{2} + 24 x + 1}{(2 x^{2} - 5 x + 1)^{3}}$$

Sequence: A229611
Score: 13.1699
Type of gen. func.: ogf

```
                                -------------------
                                                  3
                                (11 x - 1) (x - 1)
```

Sequence: A229611
Score: 13.4232
Type of gen. func.: lgdogf

```
                                      44 x - 14
                                 - ----------------
                                          2
                                    11 x  - 12 x + 1
```

Sequence: A229611
Score: 4.44589
Type of gen. func.: ogf

```
{(-3 - n) a(n + 3) + (38 + 12 n) a(n + 2) + (-55 - 11 n) a(n + 1), a(0) = 1,

    a(1) = 14, a(2) = 160}
```

Sequence: A229611
Score: 5.209
Type of gen. func.: ogf

```
(37737881 f(x) + 5312021)

                  4             3             2
    (11 f(x) x  - 34 f(x) x  + 36 f(x) x  - 14 f(x) x + f(x) - 1)
```

Sequence: A229615
Score: 14.3019
Type of gen. func.: ogf_with_Euler_transform]

```
                                       4 x - 2
                                   - -----------
                                          2
                                       -x  + x - 1
```

Sequence: A229616
Score: 9.43525
Type of gen. func.: ogf_with_Euler_transform]

```
                            5       4      3      2
                        -4 x  - 12 x  - 6 x  - 8 x  - 6 x - 12
                      - --------------------------------------
```

$$x^{6} - 1$$

Sequence: A229620
Score: 11.2375
Type of gen. func.: lgdogf

$$-\frac{-4 x^{4} + 15 x^{3} + 55 x^{2} + 59 x + 19}{-2 x^{5} + 7 x^{4} + 12 x^{3} - 4 x^{2} - 10 x - 3}$$

Sequence: A229620
Score: 12.5958
Type of gen. func.: ogf

$$-\frac{2 x (2 x + 1) (x^{2} - 4 x - 3)}{(x + 1) (x - 1)^{4}}$$

Sequence: A229621
Score: 7.00785
Type of gen. func.: ogf

$$-\frac{x (10 x^{29} - 80 x^{19} - x^{9} - x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 1)}{(x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A229632
Score: 4.21621
Type of gen. func.: ogf

$$-\frac{88 x^{6} - 540 x^{5} + 1114 x^{4} - 891 x^{3} + 275 x^{2} - 25 x - 1}{(2 x^{2} - 5 x + 1)^{3}}$$

Sequence: A229633
Score: 3.84618
Type of gen. func.: ogf

$$\frac{25 x^8 - 76 x^7 - 1825 x^6 + 7326 x^5 - 9539 x^4 + 4803 x^3 - 976 x^2 + 59 x + 3}{(4 x^2 - 7 x + 1)^3}$$

Sequence: A229638
Score: 5.94477
Type of gen. func.: ogf

$$\frac{2 x (x - 1) (10 x^3 - 36 x^2 + 5 x + 3)}{(2 x^2 + 2 x - 1)^3}$$

Sequence: A229659
Score: 14.1522
Type of gen. func.: lgdogf

$$- \frac{72 x^{17} + 73 x^{16} - 72 x^8 + 8 x^7}{-x^{18} - x^{17} + 2 x^9 + x^8 - 1}$$

Sequence: A229660
Score: 13.9039
Type of gen. func.: lgdogf

$$- \frac{-90 x^{19} - 91 x^{18} + 90 x^9 - 9 x^8}{x^{20} + x^{19} - 2 x^{10} - x^9 + 1}$$

Sequence: A229660
Score: 4.92881
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{9 x^{29} + 9 x^{28} + 9 x^{27} - x^{26} + x^{18} - 9 x^9 + x^8}{x^{20} + x^{19} + x^{18} - 1}$$

Sequence: A229665
Score: 3.35992
Type of gen. func.: ogf

$$\{(-3 n^2 - 15 n - 18) a(n + 1) + (4 n^2 + 12 n) a(n + 2) + (-n^2 - n) a(n + 3),$$

$$a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 3, a(4) = 12\}$$

Sequence: A229665
Score: 4.67467
Type of gen. func.: ogf

$$\frac{x^2 (9 x^6 - 36 x^5 + 57 x^4 - 59 x^3 + 33 x^2 - 9 x + 1)}{(3 x - 1)^3 (x - 1)^3}$$

Sequence: A229666
Score: 6.73177
Type of gen. func.: ogf

$$\frac{x (32 x^4 + 104 x^3 - 112 x^2 - 13 x - 4)}{(4 x - 1)^3}$$

Sequence: A229667
Score: 4.29397
Type of gen. func.: ogf

$$- \frac{2880 x^6 - 400 x^5 - 4524 x^4 + 3098 x^3 - 445 x^2 - 40 x - 1}{(8 x^2 - 7 x + 1)^3}$$

Sequence: A229679
Score: 3.88577
Type of gen. func.: ogf

$$\{a(n + 5) - 12 a(n + 4) + 48 a(n + 3) - 64 a(n + 2), a(0) = 0, a(1) = 2,$$

$$a(2) = 36, a(3) = 360, a(4) = 2688\}$$

Sequence: A229679
Score: 4.24919
Type of gen. func.: ogf

$$(258688 f(x) + 541251)$$

$$(64 f(x) x^3 - 32 x^4 - 48 f(x) x^2 + 24 x^3 + 12 f(x) x + 12 x^2 - f(x) + 2 x)$$

Sequence: A229679
Score: 7.47642
Type of gen. func.: ogf

$$\frac{2 x (16 x^3 - 12 x^2 - 6 x - 1)}{(4 x - 1)^3}$$

Sequence: A229679
Score: 8.55996
Type of gen. func.: lgdogf

$$- \frac{72 x + 18}{-64 x^4 + 64 x^3 + 12 x^2 - 2 x - 1}$$

Sequence: A229680
Score: 4.26223
Type of gen. func.: ogf

$$\{a(n + 4) - 18 a(n + 3) + 108 a(n + 2) - 216 a(n + 1), a(0) = 0, a(1) = 36,$$

$$a(2) = 888, a(3) = 10896\}$$

Sequence: A229680
Score: 4.65266
Type of gen. func.: ogf

$$(360 f(x) - 9331)$$

$$(216 f(x) x^3 - 108 f(x) x^2 - 1200 x^3 + 18 f(x) x + 240 x^2 - f(x) + 36 x)$$

Sequence: A229680
Score: 8.01972
Type of gen. func.: ogf

$$\frac{12 x (10 x + 1) (10 x - 3)}{(6 x - 1)^3}$$

Sequence: A229680
Score: 8.46526
Type of gen. func.: lgdogf

$$- \frac{-600 x^2 + 40 x + 74}{-600 x^3 + 220 x^2 - 2 x - 3}$$

Sequence: A229681
Score: 4.92606
Type of gen. func.: ogf

$$\frac{24 x (1296 x^4 - 2007 x^3 + 839 x^2 - 49 x - 15)}{(9 x - 1)^3}$$

Sequence: A229689
Score: 4.17987
Type of gen. func.: ogf

$\{a(n + 4) - 18 a(n + 3) + 108 a(n + 2) - 216 a(n + 1), a(0) = 1, a(1) = 43,$

$a(2) = 626, a(3) = 6732\}$

Sequence: A229689
Score: 4.39501
Type of gen. func.: ogf

$(11961 f(x) - 93611)$

$(216 f(x) x^3 - 108 f(x) x^2 - 108 x^3 + 18 f(x) x - 40 x^2 - f(x) + 25 x + 1)$

Sequence: A229689
Score: 7.11573
Type of gen. func.: lgdogf

$$-\frac{-564 x^2 + 220 x + 43}{-648 x^4 - 132 x^3 + 190 x^2 - 19 x - 1}$$

Sequence: A229689
Score: 7.66309
Type of gen. func.: ogf

$$\frac{108 x^3 + 40 x^2 - 25 x - 1}{(6 x - 1)^3}$$

Sequence: A229690
Score: 3.31981
Type of gen. func.: ogf

$$(-931544300231 + 52434376704 f(x)) (729 f(x) x^3 - 243 f(x) x^2 + 1026 x^3 + 27 f(x) x - 809 x^2 - f(x) + 164 x + 3)$$

Sequence: A229690
Score: 3.45624
Type of gen. func.: ogf

{a(n + 4) - 27 a(n + 3) + 243 a(n + 2) - 729 a(n + 1), a(0) = 3, a(1) = 245,

a(2) = 5077, a(3) = 80757}

Sequence: A229690
Score: 6.22977
Type of gen. func.: ogf

$$-\frac{1026 x^3 - 809 x^2 + 164 x + 3}{(9 x - 1)^3}$$

Sequence: A229691
Score: 3.28090
Type of gen. func.: ogf

$$-\frac{11664x^6 - 37260x^5 + 52632x^4 - 30531x^3 + 8122x^2 - 631x - 12}{(18x^2 - 15x + 1)^3}$$

Sequence: A229695
Score: 7.14600
Type of gen. func.: ogf

$$\frac{x(8x^4 - 46x^3 + 61x^2 - 16x - 3)}{(3x - 1)^3}$$

Sequence: A229696
Score: 3.33943
Type of gen. func.: ogf

$$-x(64x^8 + 192x^7 + 2744x^6 - 6260x^5 + 5085x^4 - 2976x^3 + 1073x^2 - 26x - 40) \Big/ (2x^2 - 5x + 1)^3$$

Sequence: A229702
Score: 10.8962
Type of gen. func.: ogf

$$-\frac{1}{(6x - 1)(x - 1)^4}$$

Sequence: A229702
Score: 12.4216
Type of gen. func.: lgdogf

$$-\frac{30x - 10}{{}^{2}}$$

$$6 x - 7 x + 1$$

Sequence: A229702
Score: 4.03300
Type of gen. func.: ogf

$\{(-3 - n) a(n + 3) + (24 + 7 n) a(n + 2) + (-36 - 6 n) a(n + 1), a(0) = 1,$

$a(1) = 10, a(2) = 70\}$

Sequence: A229723
Score: 4.63858
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-2 x^{11} + x^{10} - x^{9} - x^{7} + x^{6} - 3 x^{5} + x^{4} - x^{3} - x + 1}{x^{12} - 1}$$

Sequence: A229731
Score: 7.35467
Type of gen. func.: lgdogf

$$- \frac{x^{6} + 4 x^{5} - x^{4} - 16 x^{3} - 5 x^{2} + 24 x + 19}{x^{7} + 4 x^{6} + x^{5} - 11 x^{4} - 5 x^{3} + 14 x^{2} + 5 x - 6}$$

Sequence: A229731
Score: 9.68486
Type of gen. func.: ogf

$$- \frac{x^{4} (x + 2) (x^{4} + x^{3} - 3 x^{2} - x + 3)}{(x^{2} + x - 1)^{3}}$$

Sequence: A229732
Score: 10.8183
Type of gen. func.: ogf

$$x^{4} (x^{4} + x^{3} - x^{2} + 2)$$

$$-\frac{\qquad}{(x^2 + x - 1)^3}$$

Sequence: A229732
Score: 8.75766
Type of gen. func.: lgdogf

$$-\frac{-2 x^5 - 2 x^4 - 2 x^2 - 10 x - 6}{-x^6 - 2 x^5 + x^4 + 2 x^3 - 3 x^2 - 2 x + 2}$$

Sequence: A229733
Score: 11.6359
Type of gen. func.: ogf

$$-f(x)^2 x^2 + 2 f(x) x^3 - x^4 - f(x) x + f(x) - 1$$

Sequence: A229734
Score: 6.33704
Type of gen. func.: ogf

$$-f(x)^2 x^2 + 2 f(x) x^3 - x^4 + f(x)^2 x - 2 f(x) x^2 + x^3 - f(x)^2 + f(x) x - x^2 + f(x) - x$$

Sequence: A229735
Score: 6.07202
Type of gen. func.: ogf

$$\frac{x (x^6 + 62 x^5 + 575 x^4 + 1140 x^3 + 575 x^2 + 62 x + 1)}{(x - 1)^8}$$

Sequence: A229736
Score: 9.27777
Type of gen. func.: ogf

$$x^5 (x^3 - 3 x^2 + 5 x - 2)$$

$$-\frac{}{(x^2-3x+1)(2x-1)^2(x-1)^2}$$

Sequence: A229737
Score: 10.4415
Type of gen. func.: ogf

$$-\frac{x^2(x-1)(x^3+4x^2-4x+1)}{(2x-1)^2(x^2-3x+1)}$$

Sequence: A229737
Score: 7.63033
Type of gen. func.: lgdogf

$$-\frac{14x^5-42x^4+58x^3-40x^2+14x-2}{2x^7-x^6-32x^5+80x^4-80x^3+40x^2-10x+1}$$

Sequence: A229749
Score: 4.28473
Type of gen. func.: ogf

$$(3539687618768 f(x) + 38378198098375)$$

$$(8 f(x) x^3 + 4 x^4 - 12 f(x) x^2 + 98 x^3 + 6 f(x) x + 42 x^2 - f(x) + 3 x)$$

Sequence: A229749
Score: 4.31330
Type of gen. func.: ogf

$\{a(n + 5) - 6 a(n + 4) + 12 a(n + 3) - 8 a(n + 2), a(0) = 0, a(1) = 3,$

$a(2) = 60, a(3) = 422, a(4) = 1840\}$

Sequence: A229749
Score: 7.98759
Type of gen. func.: lgdogf

2

$$- \frac{208 x + 364 x + 60}{8 x^4 + 192 x^3 - 14 x^2 - 36 x - 3}$$

Sequence: A229749
Score: 8.51309
Type of gen. func.: ogf

$$- \frac{x (4 x^3 + 98 x^2 + 42 x + 3)}{(2 x - 1)^3}$$

Sequence: A229750
Score: 4.62431
Type of gen. func.: ogf

$$- \frac{64 x^7 + 612 x^6 + 176 x^5 - 1706 x^4 + 1118 x^3 - 91 x^2 - 51 x - 1}{(2 x - 1)^3 (x - 1)^3}$$

Sequence: A229751
Score: 3.87010
Type of gen. func.: ogf

$$(8 x^{10} - 60 x^9 - 58 x^8 + 863 x^7 + 132 x^6 - 6731 x^5 + 7089 x^4 - 825 x^3 - 1352 x^2 + 395 x + 3) / ((2 x - 1)^3 (x - 1)^3)$$

Sequence: A229752
Score: 3.45291
Type of gen. func.: ogf

$$(208 x^{10} - 440 x^9 - 1124 x^8 + 686 x^7 + 10370 x^6 - 20791 x^5 + 3670 x^4 + 13758 x^3 - 9355 x^2 + 1732 x + 12) / ((2 x - 1)^3 (x - 1)^3)$$

Sequence: A229753
Score: 3.49923
Type of gen. func.: ogf

$$(888 x^{10} - 356 x^9 - 3870 x^8 - 8491 x^7 + 35422 x^6 - 14894 x^5 - 64351 x^4 + 85810 x^3 - 39050 x^2 + 6006 x + 50) \Big/ ((2 x - 1)^3 (x - 1)^3)$$

Sequence: A229754
Score: 3.16732
Type of gen. func.: ogf

$$2 (1360 x^{10} + 504 x^9 - 2936 x^8 - 21756 x^7 + 30816 x^6 + 63288 x^5 - 187916 x^4 + 170088 x^3 - 65743 x^2 + 9071 x + 105) \Big/ ((2 x - 1)^3 (x - 1)^3)$$

Sequence: A229775
Score: 3.18160
Type of gen. func.: ogf

$$- (x^9 - 10 x^8 + 45 x^7 - 118 x^6 + 125 x^5 - 912 x^4 - 1101 x^3 - 912 x^2 - 122 x - 20) \Big/ (x - 1)^{10}$$

Sequence: A229788
Score: 10.4015
Type of gen. func.: ogf

$$- \frac{2 x^2 (x - 2)}{(2 x - 1) (x - 1)^3}$$

Sequence: A229788
Score: 11.0416
Type of gen. func.: lgdogf

$$- \frac{-6 x^2 + 18 x - 9}{}$$

$$-2 x^3 + 7 x^2 - 7 x + 2$$

Sequence: A229788
Score: 4.07786
Type of gen. func.: ogf

$$\{(-2 n^2 - 14 n - 20) a(n + 1) + (3 n^2 + 17 n + 18) a(n + 2) + (-n^2 - 5 n - 4) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 4\}$$

Sequence: A229788
Score: 5.31632
Type of gen. func.: ogf

$$-(27 f(x) - 16) (2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 + 2 x^3 - 5 f(x) x - 4 x^2 + f(x))$$

Sequence: A229793
Score: 11.4264
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-5 x^2 + 5}{-x^4 - x^3 - x^2 - x - 1}$$

Sequence: A229795
Score: 7.48637
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 6 x^3 - 18 x^2 + 2 x - 29}{-x^5 + 6 x^4 - 16 x^3 + 17 x^2 - 13 x + 7}$$

Sequence: A229795
Score: 7.87628
Type of gen. func.: ogf

$$-\frac{x^4 - 5x^3 + 11x^2 - 6x + 7}{(x - 1)^5}$$

Sequence: A229796
Score: 3.15106
Type of gen. func.: ogf

$$-(x^9 - 10x^8 + 46x^7 - 121x^6 - 420x^5 - 4687x^4 - 7676x^3 - 4513x^2 - 719x - 45) \Big/ (x - 1)^{10}$$

Sequence: A229802
Score: 8.04278
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^3 - 4x^2 - x + 2}{x^4 + x^3 + x^2 + x + 1}$$

Sequence: A229816
Score: 16.0599
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^6 - x^5 - x^3 + 2x}{x - 1}$$

Sequence: A229828
Score: 4.23861
Type of gen. func.: ogf

$$\{(-n^2 - 4n - 4)\,a(n + 1) + (n^2 + 5n + 5)\,a(n + 2) + (-n - 1)\,a(n + 3),$$
$$a(0) = 6,\ a(1) = 6,\ a(2) = 13\}$$

Sequence: A229829
Score: 7.66913

Type of gen. func.: ogf

$$\frac{x^8 + x^7 + 2 x^6 + 3 x^5 + x^4 + 3 x^3 + 2 x^2 + x + 1}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A229834
Score: 10.1691
Type of gen. func.: ogf

$$- \frac{x^2 + 4 x + 1}{(x - 1)^3 (x + 1)^4}$$

Sequence: A229834
Score: 12.9552
Type of gen. func.: lgdogf

$$- \frac{-5 x^3 - 23 x^2 - 5 x - 3}{-x^4 - 4 x^3 + 4 x + 1}$$

Sequence: A229838
Score: 9.67476
Type of gen. func.: ogf

$$- \frac{x^5 - x^4 - x^3 - 2 x^2 - 2 x - 3}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A229841
Score: 4.4202
Type of gen. func.: ogf

$$-(1030 f(x) - 5517)$$

$$(5 f(x) x^4 + f(x) x^3 - 2 f(x) x^2 + 9 x^3 - 5 f(x) x + f(x) - 3)$$

Sequence: A229841
Score: 9.18040
Type of gen. func.: ogf

$$-\frac{3\,(3\,x^3-1)}{(x-1)\,(5\,x^3+6\,x^2+4\,x-1)}$$

Sequence: A229852
Score: 8.54895
Type of gen. func.: ogf

$$-\frac{3\,(x^4+24\,x^3+22\,x^2+24\,x+1)}{(x+1)^2\,(x-1)^3}$$

Sequence: A229853
Score: 14.3901
Type of gen. func.: lgdogf

$$-\frac{-383\,x-385}{-383\,x^2+382\,x+1}$$

Sequence: A229853
Score: 17.1456
Type of gen. func.: ogf

$$\frac{383\,x+1}{(x-1)^2}$$

Sequence: A229853
Score: 8.57282
Type of gen. func.: ogf

$$(768\,f(x)+147457)\,(f(x)\,x^2-2\,f(x)\,x+f(x)-383\,x-1)$$

Sequence: A229853
Score: 9.59339
Type of gen. func.: ogf

$$\{-a(n+2) + 2\, a(n+1) - a(n),\ a(0) = 1,\ a(1) = 385\}$$

Sequence: A229855
Score: 14.1500
Type of gen. func.: lgdogf

$$-\frac{127 x + 641}{127 x^2 + 130 x - 257}$$

Sequence: A229855
Score: 16.7490
Type of gen. func.: ogf

$$\frac{127 x + 257}{(x - 1)^2}$$

Sequence: A229855
Score: 8.54895
Type of gen. func.: ogf

$$(768 f(x) + 213505) (f(x) x^2 - 2 f(x) x + f(x) - 127 x - 257)$$

Sequence: A229855
Score: 9.54301
Type of gen. func.: ogf

$$\{-a(n+2) + 2\, a(n+1) - a(n),\ a(0) = 257,\ a(1) = 641\}$$

Sequence: A229858
Score: 11.9010
Type of gen. func.: ogf

$$-\frac{x^5 - x^4 + x^2 + x - 3}{{}^{2}}$$

$$(x - 1)$$

Sequence: A229858
Score: 8.55386
Type of gen. func.: lgdogf

$$-\frac{3 x^{5} - 7 x^{4} + 4 x^{3} - 3 x + 5}{-x^{6} + 2 x^{5} - x^{4} - x^{3} + 4 x - 3}$$

Sequence: A229903
Score: 3.59685
Type of gen. func.: ogf

$\{a(n + 3) - a(n + 2) - 1000000 a(n + 1) + 1000000 a(n), a(0) = 190,$

$a(1) = 19190, a(2) = 191919190\}$

Sequence: A229903
Score: 5.83959
Type of gen. func.: ogf

$$\frac{190 (10000 x^{2} + 100 x + 1)}{(x - 1) (1000 x + 1) (1000 x - 1)}$$

Sequence: A229912
Score: 8.99011
Type of gen. func.: ogf

$$-\frac{x (3 x^{3} - 2 x^{2} - 6 x + 3)}{(x + 1) (x^{2} - 3 x + 1) (x^{2} + x - 1)}$$

Sequence: A229963
Score: 11.0604
Type of gen. func.: revogf

$$\frac{2048 x}{{}^{1/2\ 11}}$$

$$(1 + (4 x + 1) \quad)$$

Sequence: A229975
Score: 12.6910
Type of gen. func.: ogf

$$\frac{5 x + 2}{(x - 1) (10 x - 1) (x + 1)}$$

Sequence: A229975
Score: 5.72136
Type of gen. func.: ogf

$$-(10795459 f(x) + 1051300) (10 f(x) x^3 - f(x) x^2 - 10 f(x) x + f(x) - 5 x - 2)$$

Sequence: A229975
Score: 5.96585
Type of gen. func.: ogf

$$\{a(n + 3) - 10 a(n + 2) - a(n + 1) + 10 a(n), a(0) = 2, a(1) = 25, a(2) = 252\}$$

Sequence: A229975
Score: 7.93188
Type of gen. func.: lgdogf

$$-\frac{100 x^3 + 55 x^2 - 4 x - 25}{50 x^4 + 15 x^3 - 52 x^2 - 15 x + 2}$$

Sequence: A230018
Score: 11.3805
Type of gen. func.: ogf

$$\frac{7 x^2 + 13 x + 7}{(x - 1)^4}$$

Sequence: A230018
Score: 11.8900
Type of gen. func.: lgdogf

$$-\frac{-14 x^{2} - 53 x - 41}{-7 x^{3} - 6 x^{2} + 6 x + 7}$$

Sequence: A230018
Score: 3.88601
Type of gen. func.: ogf

$$\{(-7 n - 28) a(n + 4) + (23 - 6 n) a(n + 3) + (65 + 6 n) a(n + 2) + (21 + 7 n) a(n + 1), a(0) = 7, a(1) = 41, a(2) = 129, a(3) = 298\}$$

Sequence: A230018
Score: 5.73116
Type of gen. func.: ogf

$$(12726 f(x) + 155689) (f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 4 f(x) x - 7 x^{2} + f(x) - 13 x - 7)$$

Sequence: A230024
Score: 4.85277
Type of gen. func.: ogf

$$- (x^{15} + 15 x^{14} + 4 x^{13} + 13 x^{12} + x^{11} + 3 x^{10} + 4 x^{9} + 9 x^{8} + x^{7} + 7 x^{6} + 4 x^{5} + 5 x^{4} + x^{3} + 11 x^{2} + 4 x + 1) \Big/ ((x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1) (x^{8} + 1))$$

Sequence: A230051
Score: 16.3742
Type of gen. func.: egf]

$$(f(x) x - f(x) + 1)^{3}$$

Sequence: A230051
Score: 4.87974
Type of gen. func.: egf]

$$9 (x^9 - 17 x^8 - 980179200 x + 8821612800) / (24301 x^{10} - 437418 x^9 + 1968957 x^8 + 8821612800 x^2 - 88216128000 x + 79394515200)$$

Sequence: A230056
Score: 14.2217
Type of gen. func.: lgdegf]

$$-\frac{-6 x + 8}{-5 x^3 + 9 x^2 - 2 x - 2}$$

Sequence: A230056
Score: 15.0267
Type of gen. func.: egf]

$$-\frac{5 x^2 - 4 x - 2}{2 (x - 1)^2}$$

Sequence: A230056
Score: 3.98207
Type of gen. func.: ogf

$$\{(15 n^2 + 15 n) a(n) + (8 n^2 + 17 n + 27) a(n + 1) + (n^2 - n - 2) a(n + 2) + (-3 - n) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 9\}$$

Sequence: A230056
Score: 8.47251
Type of gen. func.: egf]

$$(f(x) + 15) (2 f(x) x^2 - 4 f(x) x + 5 x^2 + 2 f(x) - 4 x - 2)$$

Sequence: A230063
Score: 10.4597
Type of gen. func.: ogf

$$-\frac{9 x (2 x - 1)}{(2 x + 1) (4 x^2 - 9 x + 1)}$$

Sequence: A230063
Score: 5.46124
Type of gen. func.: ogf

{a(n + 3) - 7 a(n + 2) - 14 a(n + 1) + 8 a(n), a(0) = 0, a(1) = 9, a(2) = 45}

Sequence: A230063
Score: 5.66166
Type of gen. func.: ogf

$$(5 f(x) + 9) (8 f(x) x^3 - 14 f(x) x^2 - 7 f(x) x + 18 x^2 + f(x) - 9 x)$$

Sequence: A230063
Score: 8.01455
Type of gen. func.: lgdogf

$$-\frac{-32 x^3 + 52 x^2 - 28 x - 5}{-16 x^4 + 36 x^3 - 9 x + 1}$$

Sequence: A230071
Score: 4.50969
Type of gen. func.: ogf

{(n + 2) a(n + 1) - a(n + 2) + (-n - 4) a(n + 3) + a(n + 4), a(0) = 0, a(1) = 0,

a(2) = 2, a(3) = 6}

Sequence: A230074
Score: 15.3549
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 2 x^2 - 2 x - 2}{x^4 - 1}$$

Sequence: A230074
Score: 17.3829
Type of gen. func.: ogf

$$-\frac{x - 1}{(x + 1) (x^2 + 1)}$$

Sequence: A230074
Score: 36.7802
Type of gen. func.: ogf_with_Euler_transform]

$$[x^3 - 2]$$

Sequence: A230074
Score: 8.22584
Type of gen. func.: ogf

{-a(n + 3) - a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = -2, a(2) = 1}

Sequence: A230074
Score: 8.8586
Type of gen. func.: ogf

$$(6 f(x) - 17) (f(x) x^3 + f(x) x^2 + f(x) x + f(x) + x - 1)$$

Sequence: A230075
Score: 10.5896
Type of gen. func.: ogf

{-a(n + 4) - a(n), a(0) = 2, a(1) = 1, a(2) = 0, a(3) = 1}

Sequence: A230075
Score: 17.3829
Type of gen. func.: ogf

$$f(x) x^4 - x^3 + f(x) - x - 2$$

Sequence: A230075
Score: 18.8019
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 - x + 2)}{x^4 + 1}$$

Sequence: A230080
Score: 7.08876
Type of gen. func.: ogf

$$- \frac{x (x^3 - x^2 - 4 x + 3)}{x^5 - x^4 - 4 x^3 + 3 x^2 + 3 x - 1}$$

Sequence: A230081
Score: 8.14654
Type of gen. func.: ogf

$$\frac{x (x^2 - x - 4)}{x^5 - x^4 - 4 x^3 + 3 x^2 + 3 x - 1}$$

Sequence: A230089
Score: 11.2748
Type of gen. func.: ogf

$$- \frac{4 x^5 - x^4 - 2 x^3 - 2 x^2 - 2 x - 1}{(x^2 + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A230093
Score: 29.2417
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{19} + x^{10} + x$$

Sequence: A230094
Score: 8.90207
Type of gen. func.: ogf

$$-\frac{16 x^9 - 2 x^8 - 2 x^7 - 2 x^6 - 2 x^5 - 2 x^4 - 2 x^3 - 2 x^2 - 2 x - 101}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A230096
Score: 10.7712
Type of gen. func.: ogf

$$2 f(x) x^4 + f(x) x^2 + 2 x^3 - x^2 - f(x) + 1$$

Sequence: A230096
Score: 13.2433
Type of gen. func.: ogf

$$-\frac{2 x^3 - x^2 + 1}{(2 x^2 - 1) (x^2 + 1)}$$

Sequence: A230100
Score: 7.01812
Type of gen. func.: ogf

$$-(f(x) x^2 - 2 f(x) x + f(x) + 9999999999999 x - 10000000000001)^2$$

Sequence: A230102
Score: 6.65652
Type of gen. func.: ogf

$$-\frac{28x^{10}+12x^{9}+24x^{8}+12x^{7}+4x^{6}+6x^{5}+8x^{4}+4x^{3}+2x^{2}+x+1}{x-1}$$

Sequence: A230113
Score: 5.70544
Type of gen. func.: ogf

$$-(4x^{16}+2x^{15}-x^{13}-x^{12}-x^{11}+2x^{9}+x^{8}-x^{7}-x^{6}-x^{5}+x^{3}+x^{2}+x+3) / ((x-1)(x^{16}+1))$$

Sequence: A230122
Score: 4.87411
Type of gen. func.: ogf

$$-f(x)^{2}x^{4}-f(x)^{2}x^{3}+f(x)^{2}x^{2}+f(x)x^{2}+2f(x)x-x^{2}-f(x)-x+1$$

Sequence: A230128
Score: 10.9906
Type of gen. func.: ogf

$$\frac{x^{4}(2x^{2}+x+1)}{(x+1)(x^{2}+1)(x^{2}+x+1)(x-1)^{2}}$$

Sequence: A230149
Score: 9.75433
Type of gen. func.: ogf

$$\frac{x^{5}(2x^{3}+x^{2}+x+1)}{(x+1)(x^{2}+1)(x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A230167
Score: 5.72879

Type of gen. func.: ogf

$$x^5 (2 x^9 - 2 x^6 - 3 x^5 - 5 x^4 - 4 x^3 - 4 x^2 - 2 x - 2) \Big/ ((x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x + 1)^2 (x - 1)^3)$$

Sequence: A230170
Score: 4.50437
Type of gen. func.: ogf

$$-\frac{(8 x^3 - 16 x^2 - 12 x - 3) (2 x^3 - 11 x^2 + x - 1)}{16 x^7 + 40 x^6 + 160 x^5 + 62 x^4 + 67 x^3 - 2 x^2 + 6 x - 1}$$

Sequence: A230179
Score: 12.3298
Type of gen. func.: lgdogf

$$-\frac{8 x - 9}{4 x^2 - 9 x + 1}$$

Sequence: A230179
Score: 17.9343
Type of gen. func.: ogf

$$\frac{3}{4 x^2 - 9 x + 1}$$

Sequence: A230179
Score: 6.80267
Type of gen. func.: ogf

$$(5605 f(x) + 2868) (4 f(x) x^2 - 9 f(x) x + f(x) - 3)$$

Sequence: A230179
Score: 7.13051

Type of gen. func.: ogf

$$\{-a(n + 2) + 9\, a(n + 1) - 4\, a(n),\ a(0) = 3,\ a(1) = 27\}$$

Sequence: A230180
Score: 5.38367
Type of gen. func.: ogf

$$-\frac{3\,(9\,x^4 - 69\,x^3 + 50\,x^2 - 25\,x + 3)}{(x - 1)\,(x^4 - 17\,x^3 + 72\,x^2 - 25\,x + 1)}$$

Sequence: A230185
Score: 6.40287
Type of gen. func.: ogf

$$\frac{3\,x\,(3\,x^4 - 3\,x^3 - 4\,x^2 - 3\,x + 3)}{(x - 1)\,(x + 1)\,(5\,x^3 + 6\,x^2 + 4\,x - 1)}$$

Sequence: A230193
Score: 5.63673
Type of gen. func.: ogf

$$(3\,x^{12} + 3\,x^{11} + 3\,x^{10} + 2\,x^9 + x^8 + 3\,x^7 + 3\,x^6 + 3\,x^5 + x^4 + 2\,x^3 + 3\,x^2 + 3\,x + 3) \Big/ \left((x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2\right)$$

Sequence: A230196
Score: 10.6461
Type of gen. func.: ogf

$$\frac{x^6\,(2\,x^2 + 2\,x + 1)}{(x + 1)\,(x^2 + x + 1)\,(x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A230197
Score: 6.83958
Type of gen. func.: ogf

$$x^7 (2 x^5 + x^4 + x^3 + x^2 + x + 1) / ((x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A230198
Score: 7.58324
Type of gen. func.: ogf

$$\frac{x^8 (2 x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x + 1) (x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A230204
Score: 4.45446
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-2 x^{12} + x^{10} - 2 x^8 - 2 x^4 + x - 2}{x^{13} - x^{12} + x^9 - x^8 + x^5 - x^4 + x - 1}$$

Sequence: A230205
Score: 3.83118
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-2 x^{12} + x^{11} - x^{10} - x^8 - 2 x^4 + x^3 - x - 1}{x^{13} - x^{12} + x^9 - x^8 + x^5 - x^4 + x - 1}$$

Sequence: A230216
Score: 5.94367
Type of gen. func.: ogf

$$-f(x) (4 x^5 + f(x) x^3 + 2 x^4 + f(x) x^2 + x^3 + f(x) x + x^2 - f(x) + x + 1)$$

Sequence: A230216
Score: 9.16026
Type of gen. func.: ogf

$$-\frac{4x^5+2x^4+x^3+x^2+x+1}{x^3+x^2+x-1}$$

Sequence: A230231
Score: 4.54840
Type of gen. func.: egf]

$$5\left(x^{10}-19x^9-33522128640x+335221286400\right)\Big/\left(46184x^{11}-923680x^{10}+4618805x^9+167610643200x^2-1843717075200x+1676106432000\right)$$

Sequence: A230239
Score: 8.34888
Type of gen. func.: ogf

$$\frac{x(3x+1)(x+1)(x^2+1)(x^2-x+1)}{(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A230240
Score: 5.71430
Type of gen. func.: ogf

$$x\left(5x^{11}+3x^{10}+x^9+2x^8+6x^7+3x^6+3x^5+4x^4+2x^3+3x^2+3x+1\right)\Big/\left((x+1)(x^4-x^2+1)(x^2+1)(x^2-x+1)(x^2+x+1)(x-1)^2\right)$$

Sequence: A230245
Score: 10.4516

Type of gen. func.: ogf

$$\frac{2 x (x - 1)}{4 x^3 + x^2 + 4 x - 1}$$

Sequence: A230245
Score: 5.36705
Type of gen. func.: ogf

{a(n + 3) - 4 a(n + 2) - a(n + 1) - 4 a(n), a(0) = 0, a(1) = 2, a(2) = 6}

Sequence: A230245
Score: 5.36706
Type of gen. func.: ogf

$$-(3 f(x) + 2) (4 f(x) x^3 + f(x) x^2 + 4 f(x) x - 2 x^2 - f(x) + 2 x)$$

Sequence: A230245
Score: 7.35485
Type of gen. func.: lgdogf

$$- \frac{-8 x^3 + 11 x^2 + 2 x + 3}{-4 x^4 + 3 x^3 - 3 x^2 + 5 x - 1}$$

Sequence: A230257
Score: 7.97500
Type of gen. func.: ogf

$$\frac{x^9 (2 x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x + 1) (x^2 + 1) (x^2 + x + 1) (x^6 + x^3 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A230267
Score: 8.05416
Type of gen. func.: ogf

3   2

```
                      x  - 2 x  + 2 x + 1
                  - -----------------------------
                                2                 3
                    (x + 1) (x  + x + 1) (x - 1)
```

Sequence: A230269
Score: 10.3343
Type of gen. func.: lgdogf

$$-\frac{-6x^2 - 2x + 4}{-2x^3 - x^2 + 4x - 1}$$

Sequence: A230269
Score: 14.6976
Type of gen. func.: ogf

$$\frac{2x^2}{(x - 1)(2x^2 + 3x - 1)}$$

Sequence: A230269
Score: 6.01267
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - a(n + 1) - 2 a(n), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A230269
Score: 8.16535
Type of gen. func.: ogf

$$2 f(x) x^3 + f(x) x^2 - 4 f(x) x - 2 x^2 + f(x)$$

Sequence: A230276
Score: 7.44224
Type of gen. func.: ogf

```
                          4      3      2
                    x (x  + 3 x  + 4 x  + 1)
                  - -----------------------------
                                2                 3
```

$$(x + 1) (x + x + 1) (x - 1)$$

Sequence: A230278
Score: 14.8197
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-6 x + 4}{x^2 - 1}$$

Sequence: A230280
Score: 14.8097
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{6 x + 4}{-x^2 + 1}$$

Sequence: A230307
Score: 10.8608
Type of gen. func.: ogf

$$-\frac{5777 x^2 - 8830 x + 3331}{(x - 1)^3}$$

Sequence: A230307
Score: 5.10239
Type of gen. func.: ogf

$$-(97278066356 f(x) + 1673189881912579)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 5777 x^2 - f(x) - 8830 x + 3331)$$

Sequence: A230307
Score: 6.33547
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3331, a(1) = 1163,$$

$$a(2) = -727\}$$

Sequence: A230307
Score: 8.73857
Type of gen. func.: lgdogf

$$-\frac{5777 x^{2} - 6106 x + 1163}{5777 x^{3} - 14607 x^{2} + 12161 x - 3331}$$

Sequence: A230322
Score: 7.94549
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{3} + x}{-x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 1}$$

Sequence: A230331
Score: 10.6825
Type of gen. func.: ogf

$$-\frac{2 x (2 x + 3)}{4 x^{3} + 8 x^{2} + 5 x - 1}$$

Sequence: A230331
Score: 5.38854
Type of gen. func.: ogf

$$-(17 f(x) + 18) (4 f(x) x^{3} + 8 f(x) x^{2} + 5 f(x) x + 4 x^{2} - f(x) + 6 x)$$

Sequence: A230331
Score: 5.43664
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) + 8 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 6, a(2) = 34\}$$

Sequence: A230331
Score: 6.99890
Type of gen. func.: lgdogf

$$-\frac{16x^3+52x^2+48x+17}{8x^4+28x^3+34x^2+13x-3}$$

Sequence: A230363
Score: 3.67515
Type of gen. func.: egf]

$$-(f(x)-1)\,(f(x)\,x-f(x)+1)^2$$

Sequence: A230368
Score: 5.90710
Type of gen. func.: ogf

$$-\frac{4x^{10}+4x^9+4x^8+5x^7+3x^6+3x^5+3x^4-5x^3-x^2-x-1}{(x-1)\,(x+1)\,(2x^2+1)\,(2x^2-1)\,(x^2+1)\,(x^4+1)}$$

Sequence: A230370
Score: 5.14413
Type of gen. func.: ogf

$$-\frac{x^2\,(11x^8-5x^7-21x^6+6x^5+9x^4+x^2+3x+3)}{(x+1)^2\,(x-1)^3}$$

Sequence: A230382
Score: 3.25695
Type of gen. func.: ogf

$$\{(8n^4+52n^3+88n^2+32n)\,a(n)$$
$$+(-12n^4-124n^3-474n^2-770n-420)\,a(n+1)$$
$$+(3n^3+23n^2+54n+40)\,a(n+2),\ a(0)=1,\ a(1)=2\}$$

Sequence: A230393
Score: 12.7001
Type of gen. func.: ogf

$$\frac{2 x^4}{6 x^5 + 9 x^4 + 4 x^3 - 4 x + 1}$$

Sequence: A230393
Score: 6.79904
Type of gen. func.: ogf

$$6 x^5 f(x) + 9 f(x) x^4 + 4 f(x) x^3 - 2 x^4 - 4 f(x) x + f(x)$$

Sequence: A230393
Score: 7.73683
Type of gen. func.: lgdogf

$$- \frac{-30 x^4 - 36 x^3 - 12 x^2 + 4}{-6 x^5 - 9 x^4 - 4 x^3 + 4 x - 1}$$

Sequence: A230402
Score: 3.55784
Type of gen. func.: ogf

$$- 168 (9 x^{10} - 2 x^9 + 22 x^8 + 6 x^7 + 11 x^6 + 52 x^5 + 11 x^4 + 6 x^3 + 22 x^2 - 2 x + 9) / ((x + 1) (x^2 - x + 1)^2 (x^2 + x + 1)^2 (x - 1)^3)$$

Sequence: A230411
Score: 11.2924
Type of gen. func.: ogf

$$- \frac{x^{28} + x^9 + x^4 + x^2 + x + 1}{}$$

$$x - 1$$

Sequence: A230412
Score: 13.0787
Type of gen. func.: ogf_with_Euler_transform]

$$x^{22} - x^{19} + x^{4} - x^{2} + 1$$

Sequence: A230431
Score: 8.18690
Type of gen. func.: ogf

$$\frac{x^{3} (19 x^{26} - 19 x^{25} + 5 x^{7} - 5 x^{6} + 2 x^{2} - 2 x + 1)}{(x - 1)^{2}}$$

Sequence: A230432
Score: 7.38702
Type of gen. func.: ogf

$$- \frac{x (102 x^{28} - 102 x^{27} + 24 x^{9} - 24 x^{8} + 7 x^{4} - 7 x^{3} + 3 x^{2} - x - 1)}{(x - 1)^{2}}$$

Sequence: A230442
Score: 18.2520
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{3 x + 2}{-x^{2} + 1}$$

Sequence: A230462
Score: 8.35586
Type of gen. func.: ogf

$$\frac{x^{6} + 10 x^{5} + 2 x^{4} + 4 x^{3} + 2 x^{2} + 10 x + 1}{{}^{2} \qquad {}^{2} \qquad {}^{2}}$$

$$(x - x + 1) (x + 1) (x + x + 1) (x - 1)$$

Sequence: A230464
Score: 3.64568
Type of gen. func.: ogf

$$- \frac{2 x^{2} (108 x^{4} - 36 x^{3} - 525 x^{2} + 8 x + 57)}{216 x^{7} + 360 x^{6} - 186 x^{5} - 91 x^{4} - 66 x^{3} + 12 x^{2} + 12 x - 1}$$

Sequence: A230470
Score: 4.19344
Type of gen. func.: ogf

$$(f(x) - 3)$$

$$(24 x^{5} f(x) + 20 f(x) x^{4} - 12 f(x) x^{3} - f(x) x^{2} + 36 x^{3} + 6 f(x) x - f(x))$$

Sequence: A230470
Score: 9.22557
Type of gen. func.: ogf

$$- \frac{36 x^{3}}{(x + 1) (24 x^{4} - 4 x^{3} - 8 x^{2} + 7 x - 1)}$$

Sequence: A230501
Score: 10.2658
Type of gen. func.: ogf

$$- \frac{x^{43} - x^{42} + x^{41} + x^{14} + x^{3} + 1}{x - 1}$$

Sequence: A230509
Score: 8.14526
Type of gen. func.: ogf

$$2 x^{3} (x - 1)$$

$$12 x^5 + 9 x^4 - 5 x^3 - 4 x^2 + 5 x - 1$$

Sequence: A230520
Score: 10.2566
Type of gen. func.: ogf

$$-\frac{6 x (x + 2)}{18 x^3 + 9 x^2 + 6 x - 1}$$

Sequence: A230520
Score: 5.26207
Type of gen. func.: ogf

$$-(13 f(x) + 24) (18 f(x) x^3 + 9 f(x) x^2 + 6 f(x) x + 6 x^2 - f(x) + 12 x)$$

Sequence: A230520
Score: 5.30822
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) - 9 a(n + 1) - 18 a(n), a(0) = 0, a(1) = 12, a(2) = 78\}$$

Sequence: A230520
Score: 6.79929
Type of gen. func.: lgdogf

$$-\frac{36 x^3 + 117 x^2 + 36 x + 13}{18 x^4 + 45 x^3 + 24 x^2 + 11 x - 2}$$

Sequence: A230529
Score: 9.44778
Type of gen. func.: ogf

$$\frac{2 x^6}{10 x^7 + 17 x^6 + 12 x^5 + 8 x^4 + 4 x^3 - 4 x + 1}$$

Sequence: A230535
Score: 16.0293
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^2 - 2}{-x^4 - 1}$$

Sequence: A230536
Score: 12.4197
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^2 + 1}{-x^4 + x^2 - 1}$$

Sequence: A230539
Score: 10.9199
Type of gen. func.: ogf

$$-64 f(x) x^2 + 16 f(x) x - f(x) + 12 x$$

Sequence: A230539
Score: 16.9259
Type of gen. func.: ogf

$$\frac{12 x}{(8 x - 1)^2}$$

Sequence: A230539
Score: 23.3460
Type of gen. func.: lgdogf

$$\frac{16}{-8 x + 1}$$

Sequence: A230539
Score: 8.05994
Type of gen. func.: ogf

$$\{a(n+2) - 16\, a(n+1) + 64\, a(n),\ a(0) = 0,\ a(1) = 12\}$$

Sequence: A230540
Score: 11.3445
Type of gen. func.: ogf

$$-81\, f(x)\, x^2 + 18\, f(x)\, x - f(x) + 6\, x$$

Sequence: A230540
Score: 17.7439
Type of gen. func.: ogf

$$\frac{6\, x}{(9\, x - 1)^2}$$

Sequence: A230540
Score: 23.8626
Type of gen. func.: lgdogf

$$\frac{18}{-9\, x + 1}$$

Sequence: A230540
Score: 8.33752
Type of gen. func.: ogf

$$\{a(n+2) - 18\, a(n+1) + 81\, a(n),\ a(0) = 0,\ a(1) = 6\}$$

Sequence: A230547
Score: 3.73468
Type of gen. func.: ogf

$$\{(27\, n^3 + 351\, n^2 + 1518\, n + 2184)\, a(n+1)$$

$$+ (-4 n^3 - 58 n^2 - 256 n - 312) a(n + 2), a(0) = 1, a(1) = 9\}$$

Sequence: A230548
Score: 5.09681
Type of gen. func.: ogf

$$- \frac{x (x^9 + x^7 + 2 x^4 + 3 x^3 + 2 x^2 + 2 x + 1)}{(x^2 - x + 1) (x + 1)^2 (x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A230549
Score: 4.42066
Type of gen. func.: ogf

$$\frac{3 x^{10} + 4 x^8 - 3 x^7 - 8 x^6 - 4 x^5 + x^4 - 4 x^3 - 4 x^2 - 5 x - 4}{(x^2 - x + 1) (x + 1)^2 (x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A230550
Score: 4.20216
Type of gen. func.: ogf

$$\frac{2 x^{10} - x^9 - 2 x^8 - 8 x^7 - 11 x^6 - 8 x^5 - 6 x^4 - 7 x^3 - 4 x^2 - 2 x - 1}{(x^2 - x + 1) (x + 1)^2 (x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A230553
Score: 2.76775
Type of gen. func.: ogf

$$f(x)^2 x^2 - f(x) x^3 - 3 f(x)^2 x + f(x)^2 + 5 f(x) x - x^2 - 2 f(x) - 2 x + 1$$

Sequence: A230567
Score: 4.25308
Type of gen. func.: ogf

$$2 x^2 (x^4 - 22 x^3 + 9 x^2 - x + 1)$$

$$-\ \frac{}{x^{7} - 44\,x^{6} + 476\,x^{5} + 13\,x^{4} - 12\,x^{3} - 66\,x^{2} + 17\,x - 1}$$

Sequence: A230579
Score: 5.36927
Type of gen. func.: ogf

$$-\frac{171\,x^{8} + 85\,x^{7} + 43\,x^{6} + 21\,x^{5} + 11\,x^{4} + 5\,x^{3} + 3\,x^{2} + x + 1}{(x - 1)\,(x^{4} + x^{3} + x^{2} + x + 1)\,(x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A230584
Score: 9.15788
Type of gen. func.: ogf

$$\frac{x^{6} - 2\,x^{5} + x^{3} + x^{2} - x - 2}{(x + 1)^{2}\,(x - 1)^{3}}$$

Sequence: A230585
Score: 4.84076
Type of gen. func.: ogf

$$\{(40\,n^{2} + 100\,n)\,a(n) + (-46\,n^{2} - 238\,n - 252)\,a(n + 1)$$

$$+ (9\,n^{2} + 63\,n + 90)\,a(n + 2),\ a(0) = 3,\ a(1) = 5\}$$

Sequence: A230585
Score: 6.73497
Type of gen. func.: ogf

$$-f(x)^{2}\,x^{3} + 2\,f(x)\,x^{3} - 2\,f(x)^{2}\,x^{3} - x^{3} - 2\,f(x)\,x + 2\,x^{2} + f(x) + x - 3$$

Sequence: A230586
Score: 7.42192
Type of gen. func.: ogf

4   3   2

$$\frac{x - 4 x + 126 x - 4 x + 1}{(x - 1)^{6}}$$

Sequence: A230586
Score: 7.56464
Type of gen. func.: lgdogf

$$- \frac{-2 x^{4} + 8 x^{3} - 492 x^{2} - 232 x - 2}{-x^{5} + 5 x^{4} - 130 x^{3} + 130 x^{2} - 5 x + 1}$$

Sequence: A230588
Score: 4.81639
Type of gen. func.: ogf

$-(21 f(x) - 10)$

$$(8 f(x) x^{4} + 5 f(x) x^{3} - 5 f(x) x^{2} - 2 x^{3} + 5 f(x) x + 2 x^{2} - f(x))$$

Sequence: A230588
Score: 9.42339
Type of gen. func.: ogf

$$\frac{2 (x - 1) x^{2}}{8 x^{4} + 5 x^{3} - 5 x^{2} + 5 x - 1}$$

Sequence: A230610
Score: 6.04962
Type of gen. func.: ogf

$$- \frac{2 x (x^{3} - 6 x^{2} + 1)}{(x - 1) (x^{4} - 11 x^{3} + 31 x^{2} - 14 x + 1)}$$

Sequence: A230611
Score: 4.24832
Type of gen. func.: ogf

$$\frac{4 x (2 x^5 - 111 x^4 + 103 x^3 - 5 x^2 - 3 x - 2)}{8 x^6 - x^5 + 79 x^4 + 42 x^3 - 126 x^2 + 31 x - 1}$$

Sequence: A230628
Score: 10.7964
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - 2 x^2 - f(x) + 4 x + 4$$

Sequence: A230628
Score: 14.4630
Type of gen. func.: ogf

$$-\frac{2 (x^2 - 2 x - 2)}{(x - 1)^2}$$

Sequence: A230628
Score: 19.1635
Type of gen. func.: lgdogf

$$\frac{6}{x^3 - 3 x^2 + 2}$$

Sequence: A230628
Score: 7.37059
Type of gen. func.: ogf

{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 4, a(1) = 12, a(2) = 18}

Sequence: A230644
Score: 6.38397
Type of gen. func.: ogf

$$48778 x^6 + 17661 x^5 + 1885 x^4 - 41 x^3 - 65 x^2 - 20 x - 2$$

$$-\frac{\quad}{707281 x^{8} - 1680 x^{4} + 1}$$

Sequence: A230645
Score: 5.35456
Type of gen. func.: ogf

$$-\frac{707281 x^{7} + 121945 x^{6} + 16820 x^{5} + 4118 x^{4} - 840 x^{3} - 142 x^{2} - 21 x - 5}{707281 x^{8} - 1680 x^{4} + 1}$$

Sequence: A230647
Score: 10.8060
Type of gen. func.: ogf

$$-\frac{3 x (2 x + 1) (x - 1)}{4 x^{4} - 9 x^{2} + 1}$$

Sequence: A230647
Score: 6.33815
Type of gen. func.: ogf

$$-(118 f(x) - 15) (4 f(x) x^{4} - 9 f(x) x^{2} + 6 x^{3} - 3 x^{2} + f(x) - 3 x)$$

Sequence: A230648
Score: 3.89916
Type of gen. func.: ogf

$$(357460 f(x) - 1510257) (f(x) x^{4} + f(x) x^{3} - 3 x^{4} - 8 f(x) x^{2} + 12 x^{3} - 3 f(x) x + 6 x^{2} + f(x) - 9 x)$$

Sequence: A230648
Score: 7.27526
Type of gen. func.: ogf

$$\frac{3 x (x + 1) (x - 5 x + 3)}{x^4 + x^3 - 8 x^2 - 3 x + 1}$$

Sequence: A230658
Score: 10.1947
Type of gen. func.: ogf

$$- \frac{3 x (2 x^2 - 5 x - 1)}{4 x^4 - 9 x^2 + 1}$$

Sequence: A230658
Score: 6.13661
Type of gen. func.: ogf

$$(590 f(x) + 1137) (4 f(x) x^4 - 9 f(x) x^2 + 6 x^3 - 15 x^2 + f(x) - 3 x)$$

Sequence: A230659
Score: 4.50469
Type of gen. func.: ogf

$$\frac{3 x (16 x^8 + 44 x^6 - 54 x^5 - 94 x^4 - 216 x^3 + 118 x^2 - 45 x - 5)}{32 x^8 - 2 x^6 - 230 x^4 + 59 x^2 - 1}$$

Sequence: A230670
Score: 4.96294
Type of gen. func.: ogf

$$- \frac{3 (21 x^4 - 31 x^3 + 24 x^2 - 15 x - 1)}{19 x^5 - 30 x^4 + 9 x^3 - 9 x^2 - 14 x + 1}$$

Sequence: A230676
Score: 6.68814
Type of gen. func.: ogf

$$\frac{3 x (4 x^2 - 4 x - 5)}{8 x^5 + 12 x^4 + 20 x^3 + 6 x^2 + 5 x - 1}$$

Sequence: A230683
Score: 3.83020
Type of gen. func.: ogf

$$-\frac{2 x^3 (x^5 - 38 x^4 + 9 x^3 + 8 x^2 - x + 1)}{x^9 - 76 x^8 + 1404 x^7 + 671 x^6 + 14 x^5 + 20 x^4 - 66 x^3 - 64 x^2 + 17 x - 1}$$

Sequence: A230701
Score: 11.0814
Type of gen. func.: ogf

$$-\frac{2 (x + 1)}{(x - 1) (x^4 + x^3 - 5 x^2 - 2 x + 1)}$$

Sequence: A230718
Score: 5.28284
Type of gen. func.: ogf

$$(27013824 f(x) - 27772249) (-216 x^3 - 25 x^2 + f(x) - 3 x - 1)$$

Sequence: A230723
Score: 5.00308
Type of gen. func.: ogf

$$\frac{x (x^8 - 2 x^7 - x^6 - 12 x^5 - 16 x^4 - 19 x^3 - 7 x^2 - 3 x - 1)}{(x^2 + x + 1) (x + 1)^3 (x - 1)^7}$$

Sequence: A230726
Score: 4.98781
Type of gen. func.: ogf

$$-\frac{2 x (x - 1) (x^3 - 30 x^2 + 1)}{x^6 - 61 x^5 + 918 x^4 - 87 x^3 + 12 x^2 - 16 x + 1}$$

Sequence: A230776
Score: 5.53362
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A230782
Score: 4.98489
Type of gen. func.: ogf

$$-\frac{2 x (24 x^4 + 26 x^3 + 11 x^2 - 13 x - 3)}{192 x^6 - 8 x^5 + 40 x^4 - 44 x^3 + 3 x^2 - 10 x + 1}$$

Sequence: A230800
Score: 11.4891
Type of gen. func.: ogf

$$-\frac{2 x (x - 1)}{5 x^3 - 6 x^2 - 2 x + 1}$$

Sequence: A230800
Score: 5.89980
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) - 6 a(n + 1) + 5 a(n), a(0) = 0, a(1) = 2, a(2) = 2}

Sequence: A230800
Score: 6.12035
Type of gen. func.: ogf

$$(f(x) + 2) (5 f(x) x^3 - 6 f(x) x^2 - 2 f(x) x + 2 x^2 + f(x) - 2 x)$$

Sequence: A230800
Score: 7.79617
Type of gen. func.: lgdogf

$$-\frac{-10x^3+21x^2-12x-1}{-5x^4+11x^3-4x^2-3x+1}$$

Sequence: A230813
Score: 5.29954
Type of gen. func.: ogf

$$(f(x)+2)\,(4\,f(x)\,x^4-4\,f(x)\,x^3-f(x)\,x^2+4x^3-2\,f(x)\,x-2x^2+f(x))$$

Sequence: A230813
Score: 7.12126
Type of gen. func.: lgdogf

$$-\frac{24x^4-32x^3+10x^2+2x}{8x^5-12x^4+2x^3-3x^2+4x-1}$$

Sequence: A230813
Score: 9.90784
Type of gen. func.: ogf

$$-\frac{2x^2\,(2x-1)}{4x^4-4x^3-x^2-2x+1}$$

Sequence: A230825
Score: 4.74018
Type of gen. func.: ogf

$$(7\,f(x)+26)\,(f(x)\,x^4+3\,f(x)\,x^3-2x^4+2\,f(x)\,x^2-2x^3-4\,f(x)\,x+6x^2+f(x)-2x)$$

Sequence: A230825
Score: 8.30993
Type of gen. func.: ogf

$$\frac{2 x (x - 1) (x^2 + 2 x - 1)}{x^4 + 3 x^3 + 2 x^2 - 4 x + 1}$$

Sequence: A230835
Score: 4.50246
Type of gen. func.: ogf

$$-(1357 f(x) + 609)$$

$$(4 f(x) x^4 - 8 f(x) x^3 + 5 f(x) x^2 + 4 x^3 - 8 f(x) x - 6 x^2 + f(x) - 2 x)$$

Sequence: A230835
Score: 8.75821
Type of gen. func.: ogf

$$- \frac{2 x (2 x^2 - 3 x - 1)}{(x^2 + 1) (4 x^2 - 8 x + 1)}$$

Sequence: A230863
Score: 13.0588
Type of gen. func.: ogf

$$(2 f(x) x - f(x) + x)^3$$

Sequence: A230864
Score: 12.2395
Type of gen. func.: ogf

$$- \frac{x (x^{15} + x^3 + x + 1)}{x - 1}$$

Sequence: A230874
Score: 2.98264
Type of gen. func.: ogf

$$-\frac{65520 x^{8} + 12 x^{4} + 2 x^{2} + x + 1}{x - 1}$$

Sequence: A230875
Score: 6.73623
Type of gen. func.: ogf

$$-\frac{x (65520 x^{15} + 12 x^{7} + 2 x^{3} + x + 1)}{x - 1}$$

Sequence: A230893
Score: 11.9258
Type of gen. func.: ogf

$$-\frac{2 x (x - 1)}{2 x^{3} - 3 x^{2} - 2 x + 1}$$

Sequence: A230893
Score: 6.12405
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 2, a(2) = 2\}$$

Sequence: A230893
Score: 6.35299
Type of gen. func.: ogf

$$(f(x) + 2) (2 f(x) x^{3} - 3 f(x) x^{2} - 2 f(x) x + 2 x^{2} + f(x) - 2 x)$$

Sequence: A230893
Score: 8.49711
Type of gen. func.: lgdogf

$$-\frac{-4x^3+9x^2-6x-1}{-2x^4+5x^3-x^2-3x+1}$$

Sequence: A230904
Score: 10.2755
Type of gen. func.: ogf

$$\frac{2x(x^2+x-1)}{x^3-6x^2+5x-1}$$

Sequence: A230904
Score: 5.05992
Type of gen. func.: ogf

{a(n + 4) - 5 a(n + 3) + 6 a(n + 2) - a(n + 1), a(0) = 0, a(1) = 2, a(2) = 8,

a(3) = 26}

Sequence: A230904
Score: 5.75784
Type of gen. func.: ogf

$$(7 f(x) + 13) (f(x) x^3 - 6 f(x) x^2 - 2 x^3 + 5 f(x) x - 2 x^2 - f(x) + 2 x)$$

Sequence: A230904
Score: 6.74657
Type of gen. func.: lgdogf

$$-\frac{x^4+2x^3-14x^2+14x-4}{x^5-5x^4-2x^3+10x^2-6x+1}$$

Sequence: A230905
Score: 3.79263
Type of gen. func.: ogf

9 8 7 6 5 4 2

$$\frac{2 x (x - x + 10 x - 16 x - 32 x + 51 x - 34 x + 21 x - 4)}{(2 x - 1) (2 x^7 - 4 x^6 + 8 x^5 + 5 x^4 - 23 x^3 + 21 x^2 - 8 x + 1)}$$

Sequence: A230911
Score: 3.94944
Type of gen. func.: ogf

$$-\frac{2 x^2 (x - 1) (x^3 - 46 x^2 + 9 x - 4)}{x^7 - 93 x^6 + 2152 x^5 - 919 x^4 + 469 x^3 - 91 x^2 + 18 x - 1}$$

Sequence: A230920
Score: 7.02570
Type of gen. func.: ogf

$$\frac{6 x (x + 2) (x - 1)}{4 x^5 - 2 x^4 + 16 x^3 + 14 x^2 + 5 x - 1}$$

Sequence: A230928
Score: 14.0907
Type of gen. func.: ogf

$$-\frac{2 (x + 1)}{(5 x^2 - 1) (x^2 + 1)}$$

Sequence: A230928
Score: 7.04535
Type of gen. func.: lgdogf

$$-\frac{-15 x^4 - 20 x^3 - 4 x^2 - 8 x - 1}{-5 x^5 - 5 x^4 - 4 x^3 - 4 x^2 + x + 1}$$

Sequence: A230928
Score: 7.42412
Type of gen. func.: ogf

$$-(334 f(x) - 317) (5 f(x) x^4 + 4 f(x) x^2 - f(x) + 2 x + 2)$$

Sequence: A230929
Score: 10.3852
Type of gen. func.: lgdogf

$$-\frac{-9 x^2 + 2 x - 3}{-3 x^3 + x^2 - 3 x + 1}$$

Sequence: A230929
Score: 16.2110
Type of gen. func.: ogf

$$-\frac{2}{(3 x - 1) (x^2 + 1)}$$

Sequence: A230929
Score: 5.88188
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + a(n + 1) - 3 a(n), a(0) = 2, a(1) = 6, a(2) = 16\}$$

Sequence: A230929
Score: 6.2703
Type of gen. func.: ogf

$$-(73 f(x) + 270) (3 f(x) x^3 - f(x) x^2 + 3 f(x) x - f(x) + 2)$$

Sequence: A230930
Score: 4.91702
Type of gen. func.: ogf

$$\frac{2 (8 x^8 - 16 x^6 + 4 x^5 + 13 x^4 - 12 x^3 - 13 x^2 + 8 x + 4)}{16 x^{10} - 24 x^8 + 10 x^6 - 3 x^4 - 16 x^2 + 1}$$

Sequence: A230937
Score: 5.14015
Type of gen. func.: ogf

$$\frac{2 (8 x^6 + 4 x^5 - 14 x^4 - 12 x^3 + x^2 + 8 x + 1)}{16 x^{10} - 24 x^8 + 10 x^6 - 3 x^4 - 16 x^2 + 1}$$

Sequence: A230942
Score: 7.35218
Type of gen. func.: ogf

$$- \frac{2 (x^4 - x^3 - 14 x^2 + x - 3)}{x^5 - x^4 - 14 x^3 - 3 x + 1}$$

Sequence: A230964
Score: 3.78706
Type of gen. func.: ogf

$$- \frac{2 x (64 x^6 + 192 x^5 + 108 x^4 - 58 x^3 - 7 x^2 - 10 x + 3)}{256 x^8 + 320 x^7 - 448 x^6 - 232 x^5 - 132 x^4 + 38 x^3 + 10 x^2 + 7 x - 1}$$

Sequence: A230970
Score: 13.2013
Type of gen. func.: ogf

$$- \frac{16 x}{(5 x - 1) (x + 1) (5 x^2 + 1)}$$

Sequence: A230970
Score: 6.09292
Type of gen. func.: ogf

$$(21 f(x) + 20) (25 f(x) x^4 + 20 f(x) x^3 + 4 f(x) x - f(x) + 16 x)$$

Sequence: A230970
Score: 8.68032
Type of gen. func.: lgdogf

$$-\frac{-100 x^3 - 60 x^2 - 4}{-25 x^4 - 20 x^3 - 4 x + 1}$$

Sequence: A230971
Score: 7.22592
Type of gen. func.: ogf

$$-\frac{16 (3 x - 1) (3 x + 1)}{(x - 1) (9 x - 1) (x + 1) (9 x^2 + 1)}$$

Sequence: A230983
Score: 11.7184
Type of gen. func.: ogf

$$\frac{x^2 - x - 1}{2 x^6 - 5 x^4 + 5 x^2 - 1}$$

Sequence: A230984
Score: 5.42944
Type of gen. func.: ogf

$$-\frac{x^6 - 2 x^5 - 2 x^4 + 4 x^3 + 3 x^2 - 2}{x^8 + x^7 - 4 x^6 - 2 x^5 + 6 x^4 + 3 x^3 - 3 x^2 - 2 x + 1}$$

Sequence: A230990
Score: 3.83436
Type of gen. func.: ogf

$$-\frac{2 x (2 x^7 - 12 x^6 + 22 x^5 - 15 x^4 + 7 x^3 + 6 x^2 - 6 x + 1)}{}$$

$$4 x^{9} - 36 x^{8} + 104 x^{7} - 100 x^{6} - 4 x^{5} + 47 x^{4} - 25 x^{3} - 5 x^{2} + 7 x - 1$$

Sequence: A231000
Score: 9.03288
Type of gen. func.: ogf

$$\frac{x (x^{2} - x + 1) (5 x^{4} + 6 x^{3} + 6 x^{2} + 6 x + 5)}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A231001
Score: 10.9741
Type of gen. func.: ogf

$$\frac{x (3 x^{2} - 2 x + 3) (2 x^{2} + 3 x + 2)}{(x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A231002
Score: 11.7091
Type of gen. func.: lgdogf

$$- \frac{-5 x^{3} - 41 x^{2} - 43 x - 23}{-5 x^{4} - 18 x^{3} + 18 x + 5}$$

Sequence: A231002
Score: 14.5419
Type of gen. func.: ogf

$$\frac{5 x^{2} + 18 x + 5}{(x + 1) (x - 1)^{2}}$$

Sequence: A231002
Score: 7.57647
Type of gen. func.: ogf

$$-(13 f(x) - 536) (f(x) x^3 - f(x) x^2 - f(x) x - 5 x^2 + f(x) - 18 x - 5)$$

Sequence: A231002
Score: 7.90877
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 5, a(1) = 23, a(2) = 33\}$$

Sequence: A231025
Score: 8.38392
Type of gen. func.: ogf

$$\frac{2 x (x^2 - 2 x - 1)}{x^5 - 4 x^4 + 8 x^2 + 4 x - 1}$$

Sequence: A231032
Score: 4.15345
Type of gen. func.: ogf

$$- \frac{2 x^2 (32 x^5 + 148 x^4 - 184 x^3 + 29 x - 5)}{32 x^9 + 176 x^8 - 60 x^7 - 256 x^6 - 260 x^5 + 374 x^4 - 15 x^3 + x^2 - 9 x + 1}$$

Sequence: A231038
Score: 5.71577
Type of gen. func.: ogf

$$- \frac{4 x^3 (4 x^3 - 2 x^2 + 3 x - 1)}{16 x^7 - 24 x^6 + 20 x^5 - 32 x^4 - 6 x^2 - 3 x + 1}$$

Sequence: A231044
Score: 5.58028
Type of gen. func.: ogf

$$2 x (x - 1) (8 x^2 + 11 x + 7)$$

$$\frac{}{8 x^6 - 8 x^5 + 12 x^4 + 19 x^3 + 19 x^2 + 3 x - 1}$$

Sequence: A231045
Score: 4.75915
Type of gen. func.: ogf

$\{a(n + 3) - 8 a(n + 2) - 33 a(n + 1) + 68 a(n), a(0) = 0, a(1) = 32, a(2) = 128$

$\}$

Sequence: A231045
Score: 4.92912
Type of gen. func.: ogf

$$(f(x) + 8) (68 f(x) x^3 - 33 f(x) x^2 - 8 f(x) x + 128 x^2 + f(x) - 32 x)$$

Sequence: A231045
Score: 6.13401
Type of gen. func.: lgdogf

$$- \frac{-544 x^3 + 336 x^2 - 66 x - 4}{-272 x^4 + 200 x^3 - x^2 - 12 x + 1}$$

Sequence: A231045
Score: 8.90421
Type of gen. func.: ogf

$$- \frac{32 x (4 x - 1)}{68 x^3 - 33 x^2 - 8 x + 1}$$

Sequence: A231050
Score: 7.28669
Type of gen. func.: ogf

$$\frac{2 x (x + 1) (2 x^3 - 8 x^2 + 3 x + 1)}{{}^{5} \quad {}^{4} \quad {}^{3}}$$

$$4 x - 6 x - 8 x - 3 x + 1$$

Sequence: A231056
Score: 5.38764
Type of gen. func.: ogf

$$- x (x^{15} - 2 x^{14} + x^{13} - x^{12} + 2 x^{11} - 2 x^{10} + 2 x^{9} - x^{8} + x^{5} - x^{4} + x^{3} + x^{2} - x + 1) / ((x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{3})$$

Sequence: A231057
Score: 10.4870
Type of gen. func.: lgdogf

$$- \frac{-3 x^{2} - 2 x - 3}{-x^{3} - x^{2} - 3 x + 1}$$

Sequence: A231057
Score: 14.9149
Type of gen. func.: ogf

$$- \frac{2 x}{x^{3} + x^{2} + 3 x - 1}$$

Sequence: A231057
Score: 6.04657
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) - a(n + 1) - a(n), a(0) = 0, a(1) = 2, a(2) = 6}

Sequence: A231057
Score: 8.71647
Type of gen. func.: ogf

$$f(x) x^{3} + f(x) x^{2} + 3 f(x) x - f(x) + 2 x$$

Sequence: A231058
Score: 3.48448
Type of gen. func.: ogf

$$-2x(2x^7+4x^6-28x^5+10x^4+17x^3-5x^2-7x+3) / (2x^{10}+4x^9-14x^8-14x^7-23x^6+22x^5+29x^4-20x^3-9x^2+8x-1)$$

Sequence: A231064
Score: 7.04951
Type of gen. func.: ogf

$$(5x^{15}-5x^{14}-5x^{12}+5x^{11}-5x^{10}+5x^9+4x^5+x^4+4x^3+7x^2+4) / ((x^4+x^3+x^2+x+1)(x-1)^2)$$

Sequence: A231065
Score: 5.20477
Type of gen. func.: ogf

$$(4x^{16}-8x^{15}+4x^{14}-4x^{13}+8x^{12}-8x^{11}+8x^{10}-4x^9+4x^6-5x^5+2x^4+2x^3-6x^2+2x-1) / ((x^4+x^3+x^2+x+1)(x-1)^3)$$

Sequence: A231067
Score: 9.10820
Type of gen. func.: ogf

$$-\frac{2x^5-4x^3-x^2+3x+1}{2x^6-5x^4+5x^2-1}$$

Sequence: A231081
Score: 6.60956
Type of gen. func.: ogf

$$-\frac{2 x (4 x^3 - 13 x^2 + 4 x + 1)}{16 x^5 - 64 x^4 + 30 x^3 + 12 x^2 + 3 x - 1}$$

Sequence: A231087
Score: 13.2584
Type of gen. func.: ogf

$$-\frac{2 (7 x^2 - 38 x + 25)}{(x - 1) (x^2 - 5 x + 1)}$$

Sequence: A231087
Score: 6.52723
Type of gen. func.: ogf

$-(1342719 f(x) + 4216300)$

$(f(x) x^3 - 6 f(x) x^2 + 6 f(x) x + 14 x^2 - f(x) - 76 x + 50)$

Sequence: A231087
Score: 7.19101
Type of gen. func.: ogf

$\{-a(n + 3) + 6 a(n + 2) - 6 a(n + 1) + a(n), a(0) = 50, a(1) = 224, a(2) = 1058$

$\}$

Sequence: A231087
Score: 7.64450
Type of gen. func.: lgdogf

$$-\frac{-7 x^4 + 76 x^3 - 261 x^2 + 286 x - 112}{-7 x^5 + 80 x^4 - 295 x^3 + 385 x^2 - 188 x + 25}$$

Sequence: A231101
Score: 5.4519
Type of gen. func.: ogf

$$(16491 f(x) - 49409) (3 f(x) x^3 + f(x) x^2 - x^2 - f(x) + 3)$$

Sequence: A231101
Score: 5.68639
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 1) - 3 a(n), a(0) = 3, a(1) = 0, a(2) = 2\}$$

Sequence: A231101
Score: 9.97800
Type of gen. func.: ogf

$$\frac{x^2 - 3}{3 x^3 + x^2 - 1}$$

Sequence: A231103
Score: 10.8414
Type of gen. func.: ogf

$$-5 f(x) x^2 - 4 f(x) x + f(x) - 2 x$$

Sequence: A231103
Score: 13.0539
Type of gen. func.: lgdogf

$$- \frac{-10 x - 4}{-5 x^2 - 4 x + 1}$$

Sequence: A231103
Score: 17.2876
Type of gen. func.: ogf

$$- \frac{2 x}{(5 x - 1) (x + 1)}$$

Sequence: A231103
Score: 7.89679
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 5 a(n), a(0) = 0, a(1) = 2\}$$

Sequence: A231104
Score: 10.7136
Type of gen. func.: ogf

$$-9 f(x) x^2 - 8 f(x) x + f(x) - 6 x$$

Sequence: A231104
Score: 12.9000
Type of gen. func.: lgdogf

$$-\frac{-18 x - 8}{-9 x^2 - 8 x + 1}$$

Sequence: A231104
Score: 17.0838
Type of gen. func.: ogf

$$-\frac{6 x}{(x + 1) (9 x - 1)}$$

Sequence: A231104
Score: 7.80369
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) + 9 a(n), a(0) = 0, a(1) = 6\}$$

Sequence: A231105
Score: 4.83903
Type of gen. func.: ogf

$$-\frac{2 x (16 x^4 + 10 x^3 + 15 x^2 - 3 x - 10)}{}$$

$$(2 x + 1) (16 x^5 - 24 x^4 + 10 x^3 - 3 x^2 - 16 x + 1)$$

Sequence: A231125
Score: 8.81856
Type of gen. func.: ogf

$$\frac{2 (2 x^2 - 4 x - 1)}{16 x^6 - 36 x^4 + 22 x^2 - 1}$$

Sequence: A231126
Score: 4.43118
Type of gen. func.: ogf

$$- \frac{2 (8 x^6 - 8 x^5 - 18 x^4 + 12 x^3 + 10 x^2 + x - 3)}{16 x^8 + 16 x^7 - 56 x^6 - 40 x^5 + 38 x^4 + 32 x^3 - 8 x^2 - 7 x + 1}$$

Sequence: A231134
Score: 7.05485
Type of gen. func.: ogf

$$- \frac{8 x^5 - 16 x^3 - 4 x^2 + 9 x + 2}{16 x^6 - 36 x^4 + 22 x^2 - 1}$$

Sequence: A231138
Score: 3.99756
Type of gen. func.: ogf

$$-(172248 f(x) + 224869)$$

$$(4 f(x) x^4 - 11 f(x) x^3 + 12 x^3 + 6 f(x) x - 30 x^2 - f(x) - 8 x + 18)$$

Sequence: A231138
Score: 7.50227
Type of gen. func.: ogf

$$- \frac{2 (6 x^3 - 15 x^2 - 4 x + 9)}{4 x^4 - 11 x^3 + 6 x - 1}$$

Sequence: A231181
Score: 12.6979
Type of gen. func.: ogf

$$- \frac{1}{x^5 - 3 x^4 - 3 x^3 + 4 x^2 + x - 1}$$

Sequence: A231181
Score: 7.46163
Type of gen. func.: lgdogf

$$- \frac{5 x^4 - 12 x^3 - 9 x^2 + 8 x + 1}{x^5 - 3 x^4 - 3 x^3 + 4 x^2 + x - 1}$$

Sequence: A231182
Score: 7.84308
Type of gen. func.: ogf

$$- \frac{(3 x^2 - 1) (x^2 + x - 1)}{x^5 - 3 x^4 - 3 x^3 + 4 x^2 + x - 1}$$

Sequence: A231183
Score: 8.21391
Type of gen. func.: ogf

$$\frac{x (3 x^3 - 4 x^2 - x + 1)}{x^5 - 3 x^4 - 3 x^3 + 4 x^2 + x - 1}$$

Sequence: A231184
Score: 8.99103

Type of gen. func.: ogf

$$-\frac{4x^2+x-1}{x^5-3x^4-3x^3+4x^2+x-1}$$

Sequence: A231185
Score: 10.5280
Type of gen. func.: ogf

$$\frac{x-1}{x^5-3x^4-3x^3+4x^2+x-1}$$

Sequence: A231185
Score: 7.12186
Type of gen. func.: lgdogf

$$-\frac{4x^5-14x^4+6x^3+13x^2-8x}{x^6-4x^5+7x^3-3x^2-2x+1}$$

Sequence: A231192
Score: 5.69258
Type of gen. func.: ogf

$$-\frac{16x^5+12x^4+4x^3-2x^2+5x-9}{16x^6+12x^5-4x^4+4x^3-8x+1}$$

Sequence: A231213
Score: 4.61866
Type of gen. func.: ogf

-(1417 f(x) + 2085)

$$(2 f(x) x^4 - f(x) x^3 + f(x) x^2 + 2 x^3 - 3 f(x) x + x^2 + f(x) + 3 x - 4)$$

Sequence: A231213
Score: 8.81744
Type of gen. func.: ogf

$$-\frac{2x^3+x^2+3x-4}{(x-1)(2x^3+x^2+2x-1)}$$

Sequence: A231221
Score: 3.56140
Type of gen. func.: ogf

$$-(8x^{10}-2x^9-34x^8+19x^7+5x^6+16x^4-3x^3-8x^2-2x+2) \Big/ \Big((x-1)(4x^{10}+2x^9-18x^8-x^7+5x^6+4x^5+9x^4+2x^3-4x^2-2x+1)\Big)$$

Sequence: A231241
Score: 6.78344
Type of gen. func.: ogf

$$-\frac{2x(8x^2+11x+7)}{6x^5+37x^4+26x^3+16x^2+4x-1}$$

Sequence: A231242
Score: 4.00110
Type of gen. func.: ogf

$$-\frac{4x(3x^5+3x^4+9x^3-8x^2-6x-11)}{8x^7-6x^6+x^5-71x^4-53x^3-30x^2-10x+1}$$

Sequence: A231247
Score: 4.20186
Type of gen. func.: ogf

$$-(502 f(x) - 353) (4 f(x) x^4 + 8 f(x) x^3 - 4 x^4 - 3 f(x) x^2 - 6 x^3 + 4 f(x) x$$

$$+ 6 x^2 - f(x) + 2 x)$$

Sequence: A231247
Score: 7.72933
Type of gen. func.: ogf

$$\frac{2 x (2 x^3 + 3 x^2 - 3 x - 1)}{4 x^4 + 8 x^3 - 3 x^2 + 4 x - 1}$$

Sequence: A231248
Score: 4.25480
Type of gen. func.: ogf

$$\frac{2 x (12 x^6 + 10 x^5 - 26 x^4 - 43 x^3 - 32 x^2 + 18 x + 3)}{8 x^7 + 8 x^6 - 14 x^5 - 28 x^4 - 27 x^3 + 3 x^2 - 7 x + 1}$$

Sequence: A231257
Score: 3.84017
Type of gen. func.: ogf

$$(785 f(x) - 1764) (16 f(x) x^4 - 36 f(x) x^3 + 29 f(x) x^2 + 16 x^3 - 10 f(x) x$$

$$- 26 x^2 + f(x) + 15 x - 3)$$

Sequence: A231257
Score: 6.81171
Type of gen. func.: ogf

$$- \frac{(2 x - 1) (8 x^2 - 9 x + 3)}{(x - 1) (16 x^3 - 20 x^2 + 9 x - 1)}$$

Sequence: A231258
Score: 3.74967
Type of gen. func.: ogf

$$-\frac{2\,(128\,x^6 - 228\,x^5 + 256\,x^4 - 173\,x^3 + 72\,x^2 - 18\,x + 2)}{(x - 1)\,(256\,x^6 - 400\,x^5 + 400\,x^4 - 228\,x^3 + 80\,x^2 - 16\,x + 1)}$$

Sequence: A231264
Score: 4.47293
Type of gen. func.: ogf

$$-\frac{40\,x^8 - 2\,x^7 + x^6 - 30\,x^5 - 3\,x^4 + 33\,x^3 - 16\,x^2 - 9\,x + 6}{(x - 1)\,(x + 1)\,(2\,x^2 - 1)\,(2\,x^2 - 2\,x + 1)\,(2\,x^3 + x^2 + 2\,x - 1)}$$

Sequence: A231280
Score: 11.6910
Type of gen. func.: lgdogf

$$-\frac{-34\,x - 4}{-17\,x^2 - 4\,x + 1}$$

Sequence: A231280
Score: 15.3828
Type of gen. func.: ogf

$$-\frac{2\,x}{17\,x^2 + 4\,x - 1}$$

Sequence: A231280
Score: 7.12863
Type of gen. func.: ogf

$$\{-a(n + 2) + 4\,a(n + 1) + 17\,a(n),\ a(0) = 0,\ a(1) = 2\}$$

Sequence: A231280
Score: 9.74247
Type of gen. func.: ogf

2

$$-17 f(x) x - 4 f(x) x + f(x) - 2 x$$

Sequence: A231281
Score: 5.42783
Type of gen. func.: ogf

$$-\frac{2 x (x - 1) (x^2 - 14 x - 3)}{x^5 - 29 x^4 + 190 x^3 + 86 x^2 + 9 x - 1}$$

Sequence: A231295
Score: 5.64591
Type of gen. func.: ogf

$$(3 f(x) - 1) (4 f(x) x^4 - 3 f(x) x^2 + 2 x^3 - 2 f(x) x + 3 x^2 + f(x) - 1)$$

Sequence: A231295
Score: 9.98892
Type of gen. func.: ogf

$$-\frac{(2 x - 1) (x + 1)^2}{(x - 1) (4 x^3 + 4 x^2 + x - 1)}$$

Sequence: A231296
Score: 4.28154
Type of gen. func.: ogf

$$-\frac{4 x^8 + 4 x^7 + 3 x^6 + 7 x^5 - 14 x^4 + 9 x^3 - 8 x^2 - 3 x + 2}{(x - 1) (x^2 - x + 1) (4 x^5 + 8 x^4 + 5 x^3 - 8 x^2 - 2 x + 1)}$$

Sequence: A231303
Score: 11.8512
Type of gen. func.: lgdogf

$$-\frac{4 x^2 + 52 x + 16}{}$$

$$x^3 + 9 x^2 - 9 x - 1$$

Sequence: A231303
Score: 3.95039
Type of gen. func.: ogf

{(n + 3) a(n + 4) + (2 + 9 n) a(n + 3) + (-61 - 9 n) a(n + 2)

+ (-n - 4) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 16, a(3) = 82}

Sequence: A231303
Score: 8.41051
Type of gen. func.: ogf

$$\frac{x (x^2 + 10 x + 1)}{(x - 1)^6}$$

Sequence: A231304
Score: 6.55602
Type of gen. func.: ogf

$$- \frac{x (x^4 + 26 x^3 + 66 x^2 + 26 x + 1)}{(x + 1) (x - 1)^7}$$

Sequence: A231305
Score: 5.90572
Type of gen. func.: ogf

$$\frac{x (x^4 + 56 x^3 + 246 x^2 + 56 x + 1)}{(x - 1)^8}$$

Sequence: A231305
Score: 6.97949
Type of gen. func.: lgdogf

4 3 2

$$-\frac{-4 x - 284 x - 1644 x - 884 x - 64}{-x^{5} - 55 x^{4} - 190 x^{3} + 190 x^{2} + 55 x + 1}$$

Sequence: A231306
Score: 4.67410
Type of gen. func.: ogf

$$-\frac{x (x^{6} + 120 x^{5} + 1191 x^{4} + 2416 x^{3} + 1191 x^{2} + 120 x + 1)}{(x + 1) (x - 1)^{9}}$$

Sequence: A231307
Score: 3.85906
Type of gen. func.: ogf

$$\frac{x (x^{6} + 246 x^{5} + 4047 x^{4} + 11572 x^{3} + 4047 x^{2} + 246 x + 1)}{(x - 1)^{10}}$$

Sequence: A231310
Score: 5.74166
Type of gen. func.: ogf

$$-\frac{16 x^{4} - 40 x^{3} - 24 x^{2} - 15 x + 9}{16 x^{5} - 40 x^{4} - 24 x^{3} - 2 x^{2} + 8 x - 1}$$

Sequence: A231317
Score: 11.4927
Type of gen. func.: ogf

$$-\frac{6 (2 x - 1)}{(2 x + 1) (4 x^{2} - 8 x + 1)}$$

Sequence: A231317
Score: 5.44913
Type of gen. func.: ogf

{-a(n + 3) + 6 a(n + 2) + 12 a(n + 1) - 8 a(n), a(0) = 6, a(1) = 24, a(2) = 216

}

Sequence: A231317
Score: 5.5938
Type of gen. func.: ogf

$$-(659 f(x) - 333) (8 f(x) x^3 - 12 f(x) x^2 - 6 f(x) x + f(x) + 12 x - 6)$$

Sequence: A231317
Score: 8.20908
Type of gen. func.: lgdogf

$$-\frac{32 x^3 - 48 x^2 + 24 x + 4}{16 x^4 - 32 x^3 + 8 x - 1}$$

Sequence: A231337
Score: 7.35098
Type of gen. func.: ogf

$$-\frac{6 x^4 + 8 x^3 - 8 x^2 - 5 x + 3}{(x - 1) (3 x^2 + x - 1) (x^2 + x - 1)}$$

Sequence: A231338
Score: 5.20783
Type of gen. func.: ogf

$$-\frac{3 x^6 + 2 x^5 + 10 x^4 - 5 x^3 + x^2 - 11 x + 4}{(3 x - 1) (x - 1) (x^2 + x + 1) (x^3 + 2 x - 1)}$$

Sequence: A231356
Score: 5.10183
Type of gen. func.: ogf

$$-\frac{3x^6+13x^5+11x^4-5x^3-7x^2-x+1}{(x-1)(9x^3+6x^2+x-1)(x^3+2x^2+x-1)}$$

Sequence: A231376
Score: 7.06800
Type of gen. func.: ogf

$$-\frac{2x^5+5x^4-x^3+5x^2-4x-2}{x^5+2x^4-2x^3+2x^2-3x+1}$$

Sequence: A231377
Score: 3.41457
Type of gen. func.: ogf

$$-(2x^{10}+8x^9+13x^8+3x^7-15x^6-12x^5-6x^4-13x^3+11x^2-3x+4) / (2x^{10}+6x^9-2x^8-9x^7+8x^6-3x^5-14x^4+16x^3-11x^2+6x-1)$$

Sequence: A231390
Score: 5.66225
Type of gen. func.: ogf

$$(2269 f(x) - 14670)$$

$$(2 f(x) x^3 + 8 x^4 - f(x) x^2 + 4 x^3 - 2 f(x) x + 8 x^2 + f(x) + 6 x - 7)$$

Sequence: A231390
Score: 9.85381
Type of gen. func.: ogf

$$-\frac{8x^4+4x^3+8x^2+6x-7}{(x-1)(2x-1)(x+1)}$$

Sequence: A231397
Score: 5.62566
Type of gen. func.: ogf

$$-\frac{32 x^5 - 32 x^4 - 18 x^3 + 17 x^2 + 5 x - 3}{(2 x - 1) (x - 1) (8 x^4 - 6 x^2 - x + 1)}$$

Sequence: A231413
Score: 4.43643
Type of gen. func.: ogf

$$(344496 f(x) + 224869)$$

$$(4 f(x) x^4 - 11 f(x) x^3 + 6 x^3 + 6 f(x) x - 15 x^2 - f(x) - 4 x + 9)$$

Sequence: A231413
Score: 8.18552
Type of gen. func.: ogf

$$-\frac{6 x^3 - 15 x^2 - 4 x + 9}{4 x^4 - 11 x^3 + 6 x - 1}$$

Sequence: A231420
Score: 4.98290
Type of gen. func.: ogf

$$-\frac{24 x^5 - 60 x^4 + 36 x^3 + 90 x^2 + x - 9}{16 x^6 - 40 x^5 + 24 x^4 + 58 x^3 - 4 x^2 - 8 x + 1}$$

Sequence: A231430
Score: 14.2951
Type of gen. func.: ogf

$$\frac{x^3}{(3 x - 1) (2 x^3 + 2 x^2 + 2 x - 1)}$$

Sequence: A231430
Score: 7.65295
Type of gen. func.: ogf

$$6 f(x) x^{4} + 4 f(x) x^{3} + 4 f(x) x^{2} - x^{3} - 5 f(x) x + f(x)$$

Sequence: A231430
Score: 9.23954
Type of gen. func.: lgdogf

$$- \frac{24 x^{3} + 12 x^{2} + 8 x - 5}{6 x^{4} + 4 x^{3} + 4 x^{2} - 5 x + 1}$$

Sequence: A231444
Score: 6.15117
Type of gen. func.: ogf

$$- \frac{9 x^{4} - 35 x^{3} + 39 x^{2} - 16 x + 2}{(x - 1) (9 x^{2} - 7 x + 1) (x^{2} - 3 x + 1)}$$

Sequence: A231445
Score: 4.20207
Type of gen. func.: ogf

$$- \frac{108 x^{6} - 402 x^{5} + 645 x^{4} - 516 x^{3} + 211 x^{2} - 42 x + 3}{(x - 1) (54 x^{3} - 45 x^{2} + 13 x - 1) (2 x^{3} - 5 x^{2} + 5 x - 1)}$$

Sequence: A231458
Score: 6.02668
Type of gen. func.: ogf

$$- \frac{12 x^{6} + 16 x^{5} + 6 x^{4} + 16 x^{3} - 16 x^{2} - 13 x + 7}{{}^{2} \qquad\qquad {}^{2}}$$

$$(x - 1) (3 x + x - 1) (x + x - 1)$$

Sequence: A231475
Score: 12.6523
Type of gen. func.: ogf

$$- \frac{x^5 + 4 x^4 + 3 x^3 + 4 x^2 + 3 x + 4}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A231482
Score: 13.5786
Type of gen. func.: lgdogf

$$- \frac{18 x - 6}{9 x^2 - 10 x + 1}$$

Sequence: A231482
Score: 27.7812
Type of gen. func.: lgdogf

$$- \frac{18 x - 6}{9 x^2 - 10 x + 1}$$

Sequence: A231482
Score: 4.40862
Type of gen. func.: ogf

$$\{(-3 - n) a(n + 3) + (26 + 10 n) a(n + 2) + (-27 - 9 n) a(n + 1), a(0) = 1,$$

$$a(1) = 6, a(2) = 39\}$$

Sequence: A231482
Score: 6.65616
Type of gen. func.: ogf

$$9 f(x)^2 x^4 - 28 f(x)^2 x^3 + 30 f(x)^2 x^2 - 12 f(x)^2 x + f(x)^2 - 1$$

Sequence: A231509
Score: 6.79637
Type of gen. func.: ogf

$$-\frac{4x^5+4x^4+5x^3-2x-2}{4x^6+2x^5+4x^4-3x^3-x^2-2x+1}$$

Sequence: A231524
Score: 7.08154
Type of gen. func.: ogf

$$-\frac{18x^4+3x^3-6x^2+6x-4}{18x^5-6x^4-x^3+3x^2-4x+1}$$

Sequence: A231530
Score: 5.21110
Type of gen. func.: ogf

$\{(-n^2 - 4 n - 5) a(n + 1) + (2 n + 5) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 1,$

$a(2) = 1\}$

Sequence: A231531
Score: 6.34645
Type of gen. func.: ogf

$\{(-n^2 - 4 n - 5) a(n + 1) + (2 n + 5) a(n + 2) - a(n + 3), a(0) = 0, a(1) = 1,$

$a(2) = 3\}$

Sequence: A231538
Score: 4.71384
Type of gen. func.: ogf

$$-\frac{x^7-x^6+x^5-2x^4+9x^3-4x^2+2x-2}{x^8-x^7+2x^6-3x^5+8x^4-5x^3+4x^2-4x+1}$$

Sequence: A231552
Score: 12.5821
Type of gen. func.: revogf

$$-\frac{2x^3+4x^2-x}{x^2+2x+1}$$

Sequence: A231552
Score: 7.94657
Type of gen. func.: ogf

$$2f(x)^3x^2+f(x)^2x^2+4f(x)^2x+2f(x)x-f(x)+1$$

Sequence: A231553
Score: 12.4157
Type of gen. func.: revogf

$$-\frac{3x^3+6x^2-x}{x^2+2x+1}$$

Sequence: A231553
Score: 7.84151
Type of gen. func.: ogf

$$3f(x)^3x^2+f(x)^2x^2+6f(x)^2x+2f(x)x-f(x)+1$$

Sequence: A231554
Score: 11.9330
Type of gen. func.: revogf

$$-\frac{2x^3+2x^2-x}{4x^2+4x+1}$$

Sequence: A231554
Score: 7.53663
Type of gen. func.: ogf

$$2 f(x)^{3} x^{2} + 4 f(x)^{2} x^{2} + 2 f(x)^{2} x + 4 f(x) x - f(x) + 1$$

Sequence: A231556
Score: 12.2611
Type of gen. func.: revogf

$$-\frac{-2 x^{3} + 4 x^{2} - x}{x^{2} - 2 x + 1}$$

Sequence: A231556
Score: 7.74387
Type of gen. func.: ogf

$$2 f(x)^{3} x^{2} - f(x)^{2} x^{2} - 4 f(x)^{2} x + 2 f(x) x + f(x) - 1$$

Sequence: A231559
Score: 10.6735
Type of gen. func.: ogf

$$-\frac{x^{2} (x^{2} + 2)}{(x^{2} + 1) (x - 1)^{3}}$$

Sequence: A231559
Score: 9.23436
Type of gen. func.: lgdogf

$$-\frac{-3 x^{4} - 11 x^{2} + 2 x - 6}{-x^{5} + x^{4} - 3 x^{3} + 3 x^{2} - 2 x + 2}$$

Sequence: A231560
Score: 10.6216
Type of gen. func.: lgdogf

$$-\frac{-24x^{25}+25x^{24}+1}{x^{26}-x^{25}+x-1}$$

Sequence: A231560
Score: 18.7143
Type of gen. func.: ogf

$$-\frac{x(x+1)(x^4-x^3+x^2-x+1)(x^{20}-x^{15}+x^{10}-x^5+1)}{x-1}$$

Sequence: A231600
Score: 6.59475
Type of gen. func.: ogf

$$-\frac{x^5(x^4-x^2+1)(x^{14}+x^{12}+x^4+x^2+1)}{(x-1)(x+1)(x^2+1)(x^4+1)(x^8+1)}$$

Sequence: A231615
Score: 13.2915
Type of gen. func.: revogf

$$-\frac{-6x^3+6x^2-x}{4x^2-4x+1}$$

Sequence: A231615
Score: 8.39462
Type of gen. func.: ogf

$$6f(x)^3x^2-4f(x)^2x^2-6f(x)^2x+4f(x)x+f(x)-1$$

Sequence: A231616
Score: 12.2779
Type of gen. func.: revogf

$$-\frac{-12 x^3 + 8 x^2 - x}{9 x^2 - 6 x + 1}$$

Sequence: A231616
Score: 7.80159
Type of gen. func.: ogf

$$12 f(x)^3 x^2 - 9 f(x)^2 x^2 - 8 f(x)^2 x + 6 f(x) x + f(x) - 1$$

Sequence: A231618
Score: 11.4833
Type of gen. func.: revogf

$$-\frac{3 x^3 + 2 x^2 - x}{9 x^2 + 6 x + 1}$$

Sequence: A231618
Score: 7.25262
Type of gen. func.: ogf

$$3 f(x)^3 x^2 + 9 f(x)^2 x^2 + 2 f(x)^2 x + 6 f(x) x - f(x) + 1$$

Sequence: A231622
Score: 15.8453
Type of gen. func.: lgdegf]

$$-\frac{1/2\, I\, (2 x + 1)}{(2 x - 1)^{1/2}\, x} - \frac{1}{2 (2 x - 1) x}$$

Sequence: A231622
Score: 8.61377

Type of gen. func.: lgdegf]

$$-\frac{1/2\, I\, (2 x + 1)}{(2 x - 1)^{1/2}\, x} - \frac{1}{2\, (2 x - 1)\, x}$$

Sequence: A231622
Score: 8.61377
Type of gen. func.: lgdegf]

$$-\frac{1/2\, I\, (2 x + 1)}{(2 x - 1)^{1/2}\, x} - \frac{1}{2\, (2 x - 1)\, x}$$

Sequence: A231636
Score: 6.18208
Type of gen. func.: ogf

$$-\frac{(x - 1)^{2}}{16 x^{7} - 48 x^{6} + 48 x^{5} - 14 x^{4} + 4 x^{3} - 11 x^{2} + 7 x - 1}$$

Sequence: A231643
Score: 11.9968
Type of gen. func.: lgdogf

$$-\frac{-6 x^{2} + 8 x - 3}{-6 x^{3} + 13 x^{2} - 9 x + 2}$$

Sequence: A231643
Score: 16.5913
Type of gen. func.: ogf

$$-\frac{5\, (3 x - 2)}{(2 x - 1)\, (x - 1)}$$

Sequence: A231643
Score: 8.29564

Type of gen. func.: ogf

$$-(14 f(x) + 265) (2 f(x) x^2 - 3 f(x) x + f(x) + 15 x - 10)$$

Sequence: A231643
Score: 9.28324
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 10, a(1) = 15\}$$

Sequence: A231684
Score: 9.90137
Type of gen. func.: ogf

$$\frac{x (7 x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^3}$$

Sequence: A231690
Score: 10.6959
Type of gen. func.: revogf

$$-\frac{-x^4 + x^3 + 3 x^2 - x}{-x^3 + x^2 + 3 x + 1}$$

Sequence: A231691
Score: 15.9933
Type of gen. func.: revegf]

$$-x + \ln(x^2 + 3 x + 1) - \ln(x + 1)$$

Sequence: A231703
Score: 4.31646
Type of gen. func.: ogf

$$-\frac{x^8 - x^7 + x^6 - x^5 + 2 x^4 - 8 x^3 - 4 x^2 + 2 x + 5}{}$$

$$x^9 - 2x^8 + 3x^7 - 3x^6 + 3x^5 - 8x^4 + 4x^3 - x^2 + 3x - 1$$

Sequence: A231765
Score: 4.93405
Type of gen. func.: ogf

$$-\frac{32x^8 - 8x^7 - 10x^5 - 80x^4 + 6x^3 + x^2 + 6x + 9}{(2x^3 - x^2 - 3x + 1)(4x^6 + 6x^4 - x^2 - 1)}$$

Sequence: A231779
Score: 5.85197
Type of gen. func.: ogf

$$-\frac{2x^5 - 8x^4 - 5x^3 + 20x^2 - 11x - 1}{x^5 - 3x^4 - 2x^3 + 8x^2 - 6x + 1}$$

Sequence: A231799
Score: 6.62432
Type of gen. func.: ogf

$$-\frac{8x^5 + 8x^4 + 4x^3 - 9x^2 - 8x - 5}{4x^6 + 2x^5 - 5x^3 - 2x^2 - x + 1}$$

Sequence: A231822
Score: 5.30437
Type of gen. func.: ogf

$$-\frac{4x^5 + 7x^4 + 4x^3 + x^2 - 1}{4x^6 - 21x^5 + 27x^4 - 11x^3 + 16x^2 - 9x + 1}$$

Sequence: A231833
Score: 4.55843
Type of gen. func.: ogf

$$-\frac{(x + 2)(x^2 + 4x + 2)(x^3 + 5x^2 + 6x + 1)}{x^7 + 11x^6 + 46x^5 + 91x^4 + 86x^3 + 34x^2 + 4x - 1}$$

Sequence: A231850
Score: 3.61218
Type of gen. func.: ogf

{a(n + 4) - 21 a(n + 3) + 41 a(n + 2) - 22 a(n + 1), a(0) = 3, a(1) = 34,

a(2) = 656, a(3) = 12404}

Sequence: A231850
Score: 3.79947
Type of gen. func.: ogf

$$-(4559 + 7410 f(x))$$

$$(22 f(x) x^3 - 41 f(x) x^2 - 44 x^3 + 21 f(x) x + 65 x^2 - f(x) - 29 x + 3)$$

Sequence: A231850
Score: 6.83905
Type of gen. func.: ogf

$$\frac{44x^3 - 65x^2 + 29x - 3}{22x^3 - 41x^2 + 21x - 1}$$

Sequence: A231856
Score: 4.45108
Type of gen. func.: ogf

$$\frac{x^8 - 3x^7 - x^6 + 11x^5 - 3x^4 - 5x^3 + 7x - 3}{(x^3 - x - 1)(x^5 - 3x^4 - 2x^3 + 8x^2 - 6x + 1)}$$

Sequence: A231882
Score: 5.91693
Type of gen. func.: ogf

$$-\frac{x(x^8+2x^7+x^6+4x^5-4x^4+3x^3-7x^2-x-3)}{(x+1)(x^8-x^7+3x^6-4x^5+4x^4-5x^3+2x^2-2x+1)}$$

Sequence: A231884
Score: 6.72761
Type of gen. func.: ogf

$$-\frac{4x(x+1)(x^5+2x^4+x^3-2x^2-1)}{3x^7+9x^6-4x^4-4x^3-3x^2+1}$$

Sequence: A231896
Score: 12.6458
Type of gen. func.: ogf

$$-f(x)x^2+4f(x)x-f(x)+4x$$

Sequence: A231896
Score: 15.5439
Type of gen. func.: lgdogf

$$-\frac{2x-4}{x^2-4x+1}$$

Sequence: A231896
Score: 20.1650
Type of gen. func.: ogf

$$\frac{4x}{x^2-4x+1}$$

Sequence: A231896
Score: 9.21117
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + a(n), a(0) = 0, a(1) = 4\}$$

Sequence: A231909
Score: 5.38706
Type of gen. func.: ogf

$$-\frac{8 x^5 - 16 x^4 + 2 x^3 + x^2 + 10 x - 3}{16 x^6 - 4 x^5 - 78 x^4 + 66 x^3 + 5 x^2 - 9 x + 1}$$

Sequence: A231950
Score: 12.7122
Type of gen. func.: ogf

$$-\frac{2 (x + 2)}{4 x^3 - 2 x^2 + 4 x - 1}$$

Sequence: A231950
Score: 5.91006
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 2 a(n + 1) - 4 a(n), a(0) = 4, a(1) = 18, a(2) = 64\}$$

Sequence: A231950
Score: 6.18117
Type of gen. func.: ogf

$$(2915 f(x) + 1412) (4 f(x) x^3 - 2 f(x) x^2 + 4 f(x) x - f(x) + 2 x + 4)$$

Sequence: A231950
Score: 9.22941
Type of gen. func.: lgdogf

$$-\frac{8 x^3 + 22 x^2 - 8 x + 9}{4 x^4 + 6 x^3 + 7 x - 2}$$

Sequence: A231951
Score: 3.76234
Type of gen. func.: ogf

$$-(94158689908709 f(x) - 12367045718848)$$

$$(8 f(x) x^{4} + 13 f(x) x^{3} + 2 f(x) x^{2} + 7 f(x) x + 4 x^{2} - f(x) + 16 x + 18)$$

Sequence: A231951
Score: 8.46526
Type of gen. func.: ogf

$$- \frac{2 (2 x^{2} + 8 x + 9)}{8 x^{4} + 13 x^{3} + 2 x^{2} + 7 x - 1}$$

Sequence: A231971
Score: 4.50586
Type of gen. func.: ogf

$$- \frac{6 x^{8} - 5 x^{7} + x^{6} - 14 x^{5} - 62 x^{4} + 11 x^{3} + x^{2} + 8 x + 16}{(x^{3} - x^{2} - 3 x + 1) (x^{6} + 3 x^{4} - x^{2} - 1)}$$

Sequence: A231992
Score: 5.31455
Type of gen. func.: ogf

$$- \frac{2 (x + 1) (2 x^{4} - x^{3} - 10 x^{2} + 4 x + 3)}{4 x^{6} + 2 x^{5} - 19 x^{4} - 5 x^{3} + 12 x^{2} + 3 x - 1}$$

Sequence: A231998
Score: 4.91285
Type of gen. func.: ogf

$$- \frac{3 x^{8} + 7 x^{7} + 2 x^{6} - 9 x^{5} - 12 x^{4} - 11 x^{3} - 10 x^{2} - 2 x - 4}{}$$

3   2   3   2   3   2

$$(x + x + 1) (x - x - 1) (x + 2 x + x - 1)$$

Sequence: A232007
Score: 11.3683
Type of gen. func.: ogf

$$\frac{x (2 x^6 - 5 x^5 + 6 x^2 - 1)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A232015
Score: 11.1573
Type of gen. func.: lgdogf

$$- \frac{12 x^2 - 12 x + 1}{12 x^3 - 4 x^2 - 3 x + 1}$$

Sequence: A232015
Score: 11.8657
Type of gen. func.: ogf

$$-6 f(x) x^2 - f(x) x + f(x) + 2 x - 1$$

Sequence: A232015
Score: 16.6120
Type of gen. func.: ogf

$$\frac{2 x - 1}{(2 x + 1) (3 x - 1)}$$

Sequence: A232015
Score: 9.11635
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - 6 a(n), a(0) = 1, a(1) = -1\}$$

Sequence: A232017
Score: 5.83704
Type of gen. func.: ogf

$$-\frac{(x + 3)\,(x + 1)\,(x^{2} + 3\,x + 1)}{x^{5} + 7\,x^{4} + 16\,x^{3} + 13\,x^{2} + 3\,x - 1}$$

Sequence: A232018
Score: 3.48287
Type of gen. func.: ogf

$$\frac{504\,x^{7} + 778\,x^{6} - 1668\,x^{5} - 1375\,x^{4} + 603\,x^{3} + 273\,x^{2} + 15\,x - 9}{84\,x^{7} + 146\,x^{6} - 257\,x^{5} - 275\,x^{4} + 62\,x^{3} + 59\,x^{2} + 9\,x - 1}$$

Sequence: A232031
Score: 4.50788
Type of gen. func.: ogf

$$-(24615\,f(x) + 14498)$$

$$(f(x)\,x^{4} - f(x)\,x^{3} + 2\,f(x)\,x^{2} - 4\,f(x)\,x + x^{2} + f(x) + x - 3)$$

Sequence: A232031
Score: 9.21174
Type of gen. func.: ogf

$$-\frac{x^{2} + x - 3}{x^{4} - x^{3} + 2\,x^{2} - 4\,x + 1}$$

Sequence: A232032
Score: 4.82492
Type of gen. func.: ogf

$$\frac{x^{7} - 5\,x^{5} - 5\,x^{4} + 4\,x^{3} + 11\,x^{2} + x - 11}{2\,x^{7} + 2\,x^{6} - x^{5} - 2\,x^{4} - 5\,x^{3} + 7\,x - 1}$$

Sequence: A232042
Score: 3.73561
Type of gen. func.: ogf

$$(143902511 f(x) - 196943753) (6 f(x) x^4 + f(x) x^3 - 12 x^4 - 9 f(x) x^2 + 5 x^3 - 4 f(x) x + 16 x^2 + f(x) + x - 4)$$

Sequence: A232042
Score: 6.99890
Type of gen. func.: ogf

$$\frac{12 x^4 - 5 x^3 - 16 x^2 - x + 4}{6 x^4 + x^3 - 9 x^2 - 4 x + 1}$$

Sequence: A232048
Score: 5.13825
Type of gen. func.: ogf

$$\frac{x^7 - x^6 - 3 x^5 + 8 x^4 - 12 x^3 + 11 x^2 - 9 x + 4}{(x^2 - x + 1) (x^5 + 2 x^4 - 2 x^3 + 2 x^2 - 3 x + 1)}$$

Sequence: A232059
Score: 13.5406
Type of gen. func.: ogf

$$- \frac{2 (x^2 + x + 1)}{x^3 + 2 x - 1}$$

Sequence: A232059
Score: 7.24902
Type of gen. func.: ogf

$$-(11 f(x) + 10) (f(x) x^3 + 2 f(x) x + 2 x^2 - f(x) + 2 x + 2)$$

Sequence: A232059
Score: 7.47555
Type of gen. func.: lgdogf

$$-\frac{-x^4-2x^3-x^2-2x-3}{-x^5-x^4-3x^3-x^2-x+1}$$

Sequence: A232059
Score: 7.55424
Type of gen. func.: ogf

$$\{-a(n+3)+2a(n+2)+a(n),\ a(0)=2,\ a(1)=6,\ a(2)=14\}$$

Sequence: A232060
Score: 4.81640
Type of gen. func.: ogf

$$-\frac{2(x^2+x+1)(2x^5-2x^4-x^3-3x^2+3x+2)}{2x^8-2x^7+2x^6-7x^5+3x^4-3x^3+7x^2+x-1}$$

Sequence: A232070
Score: 6.41821
Type of gen. func.: ogf

$$-\frac{8x^4+12x^3-2x^2-12x-15}{8x^5-2x^3-11x^2-5x+1}$$

Sequence: A232077
Score: 4.32801
Type of gen. func.: ogf

$$(119437883 f(x) + 44662695)$$

$$(4 f(x) x^4 + 4 f(x) x^3 + f(x) x^2 - 4 x^3 + 3 f(x) x - 2 x^2 - f(x) + 6 x + 3)$$

Sequence: A232077
Score: 8.54358
Type of gen. func.: ogf

$$\frac{(2 x + 1) (2 x^2 - 3)}{4 x^4 + 4 x^3 + x^2 + 3 x - 1}$$

Sequence: A232078
Score: 3.82192
Type of gen. func.: ogf

$$\frac{6 x^7 + 8 x^6 - 7 x^5 - 34 x^4 - 129 x^3 - 36 x^2 + 32 x + 11}{2 x^8 + 3 x^7 - x^6 - 10 x^5 - 45 x^4 - 23 x^3 - 11 x^2 - 5 x + 1}$$

Sequence: A232099
Score: 4.78761
Type of gen. func.: ogf

$$- \frac{840 (4 x^{31} + 3 x^{30} - 48 x^6 - 84 x^5 - 60 x^4 - 40 x^3 - 24 x^2 - 12 x - 4)}{5 x^{31} - 3 x^{30} + 48 x^7 - 60 x^6 + 4 x^4 + 4 x^2 + 4}$$

Sequence: A232131
Score: 4.02958
Type of gen. func.: ogf

$(61841 f(x) - 26776)$

$(16 f(x) x^3 - 36 f(x) x^2 + 22 f(x) x + 32 x^2 - f(x) - 64 x + 36)$

Sequence: A232131
Score: 4.12866
Type of gen. func.: ogf

$\{a(n + 3) - 22 a(n + 2) + 36 a(n + 1) - 16 a(n), a(0) = 36, a(1) = 728,$

$a(2) = 14752\}$

Sequence: A232131
Score: 7.51787
Type of gen. func.: ogf

$$-\frac{4 (8 x^2 - 16 x + 9)}{16 x^3 - 36 x^2 + 22 x - 1}$$

Sequence: A232138
Score: 4.55257
Type of gen. func.: ogf

(322565 f(x) + 198418)

$$(4 f(x) x^4 - 11 f(x) x^3 + 6 x^3 + 6 f(x) x - 16 x^2 - f(x) + 6)$$

Sequence: A232138
Score: 8.62949
Type of gen. func.: ogf

$$-\frac{2 (3 x^3 - 8 x^2 + 3)}{4 x^4 - 11 x^3 + 6 x - 1}$$

Sequence: A232145
Score: 5.67152
Type of gen. func.: ogf

$$-\frac{5 x^5 + 11 x^4 - 12 x^2 - 8 x - 3}{5 x^6 + 8 x^5 - 3 x^4 - 8 x^3 - 6 x^2 - 5 x + 1}$$

Sequence: A232150
Score: 5.22983
Type of gen. func.: ogf

$$72 x^5 + 96 x^4 - 36 x^3 - 49 x^2 - 17 x - 1$$

$$- \frac{}{72 x^{6} + 24 x^{5} - 60 x^{4} - 25 x^{3} - 4 x^{2} - 6 x + 1}$$

Sequence: A232155
Score: 3.39323
Type of gen. func.: ogf

$$- 2 (2 x^{10} - 2 x^{9} - 15 x^{8} - 7 x^{7} - 5 x^{6} - 24 x^{5} + 3 x^{4} + 20 x^{3} + 7 x^{2} - 5 x - 1) / (x^{10} - x^{9} - 8 x^{8} - 3 x^{7} + 3 x^{6} - 14 x^{5} + 5 x^{4} + 13 x^{3} - 2 x^{2} - 4 x + 1)$$

Sequence: A232162
Score: 10.0456
Type of gen. func.: ogf

$$- \frac{x^{2} (x + 2)}{x^{4} + 3 x^{3} + x^{2} + x - 1}$$

Sequence: A232162
Score: 5.25111
Type of gen. func.: ogf

$$(541 f(x) - 69) (f(x) x^{4} + 3 f(x) x^{3} + f(x) x^{2} + x^{3} + f(x) x + 2 x^{2} - f(x))$$

Sequence: A232162
Score: 7.07294
Type of gen. func.: lgdogf

$$- \frac{-3 x^{4} - 14 x^{3} - 19 x^{2} - 4 x - 3}{-x^{5} - 5 x^{4} - 7 x^{3} - 3 x^{2} - x + 2}$$

Sequence: A232163
Score: 5.13807

Type of gen. func.: ogf

$$(2 f(x) + 1) (f(x) x^4 + 3 f(x) x^3 + f(x) x^2 + 2 x^3 + f(x) x + x^2 - f(x) + x)$$

Sequence: A232163
Score: 9.36115
Type of gen. func.: ogf

$$-\frac{x (2 x^2 + x + 1)}{x^4 + 3 x^3 + x^2 + x - 1}$$

Sequence: A232164
Score: 16.1925
Type of gen. func.: ogf

$$-\frac{x}{x^4 + 3 x^3 + x^2 + x - 1}$$

Sequence: A232164
Score: 6.55728
Type of gen. func.: ogf

$$-(7 f(x) + 1) (f(x) x^4 + 3 f(x) x^3 + f(x) x^2 + f(x) x - f(x) + x)$$

Sequence: A232164
Score: 9.91789
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 - 9 x^2 - 2 x - 1}{-x^4 - 3 x^3 - x^2 - x + 1}$$

Sequence: A232165
Score: 12.4236
Type of gen. func.: ogf

$$-\frac{(x+1)\,x}{x^4+3x^3+x^2+x-1}$$

Sequence: A232165
Score: 6.30888
Type of gen. func.: ogf

$$(479 f(x) - 62) (f(x) x^4 + 3 f(x) x^3 + f(x) x^2 + f(x) x + x^2 - f(x) + x)$$

Sequence: A232165
Score: 8.59081
Type of gen. func.: lgdogf

$$-\frac{3x^4+10x^3+10x^2+2x+2}{x^5+4x^4+4x^3+2x^2-1}$$

Sequence: A232166
Score: 11.8568
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^2-3x+2}{-x^3-x^2-x-1}$$

Sequence: A232205
Score: 13.4728
Type of gen. func.: lgdegf]

$$-\frac{4x^2+4x+2}{4x^3+2x^2-2x-1}$$

Sequence: A232205
Score: 13.6867
Type of gen. func.: egf]

$$-f(x)\,(2 f(x) x^2 - f(x) + 2 x + 1)$$

Sequence: A232205
Score: 21.0307
Type of gen. func.: egf]

$$-\frac{2 x + 1}{2 x^2 - 1}$$

Sequence: A232205
Score: 3.66919
Type of gen. func.: ogf

$$\{(4 n^3 + 28 n^2 + 64 n + 48) a(n + 1) + (2 n^3 + 22 n^2 + 80 n + 96) a(n + 2) + (-4 - 2 n) a(n + 3) + (-n - 4) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 24\}$$

Sequence: A232228
Score: 10.4131
Type of gen. func.: ogf

$$\frac{128 x^7 - 128 x^6 + 4 x^3 - 2 x^2 - 1}{(2 x - 1) (x - 1)^2}$$

Sequence: A232229
Score: 13.0198
Type of gen. func.: ogf

$$\frac{70 x^2 + 11 x - 9}{(10 x - 1) (x - 1)^2}$$

Sequence: A232229
Score: 6.55962
Type of gen. func.: ogf

$(49410324 f(x) + 188808185)$

$$(10 f(x) x^3 - 21 f(x) x^2 + 12 f(x) x - 70 x^2 - f(x) - 11 x + 9)$$

Sequence: A232229
Score: 7.28228
Type of gen. func.: ogf

$\{a(n + 3) - 12 a(n + 2) + 21 a(n + 1) - 10 a(n), a(0) = 9, a(1) = 97,$

$a(2) = 905\}$

Sequence: A232229
Score: 9.04536
Type of gen. func.: lgdogf

$$-\frac{700 x^3 + 920 x^2 - 421 x + 97}{700 x^4 - 660 x^3 - 141 x^2 + 110 x - 9}$$

Sequence: A232230
Score: 10.6242
Type of gen. func.: ogf

$$\frac{x^5 + x^3 + x^2 - 2 x + 1}{(x - 1) (x^3 + 2 x - 1)}$$

Sequence: A232231
Score: 10.6037
Type of gen. func.: ogf

$$\frac{4 x^5 + 2 x^4 + 2 x^2 - 3 x + 1}{(x - 1) (4 x^3 + 3 x - 1)}$$

Sequence: A232250
Score: 5.06931
Type of gen. func.: ogf

$$-(68 f(x) - 55) (f(x) x^4 - 2 f(x) x^2 + 3 x^3 - 4 f(x) x + 3 x^2 + f(x) - x - 9)$$

Sequence: A232250
Score: 9.18352
Type of gen. func.: ogf

$$-\frac{3 x^3 + 3 x^2 - x - 9}{x^4 - 2 x^2 - 4 x + 1}$$

Sequence: A232251
Score: 3.12355
Type of gen. func.: ogf

$$(737580822 f(x) - 300631115) (f(x) x^4 + 6 f(x) x^3 - 14 f(x) x^2 + 3 x^3 - 10 f(x) x + 17 x^2 + f(x) - 51 x - 37)$$

Sequence: A232251
Score: 6.01855
Type of gen. func.: ogf

$$-\frac{3 x^3 + 17 x^2 - 51 x - 37}{x^4 + 6 x^3 - 14 x^2 - 10 x + 1}$$

Sequence: A232289
Score: 10.3879
Type of gen. func.: ogf

$$-\frac{x^2 + 3 x + 3}{x^3 + 4 x^2 + 4 x - 1}$$

Sequence: A232289
Score: 5.41593

Type of gen. func.: ogf

$$-(67 f(x) + 31) (f(x) x^{3} + 4 f(x) x^{2} + 4 f(x) x + x^{2} - f(x) + 3 x + 3)$$

Sequence: A232289
Score: 5.55845
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) - 4 a(n + 1) - a(n), a(0) = 3, a(1) = 15, a(2) = 73\}$$

Sequence: A232289
Score: 6.27389
Type of gen. func.: lgdogf

$$-\frac{-x^{4} - 6 x^{3} - 17 x^{2} - 26 x - 15}{-x^{5} - 7 x^{4} - 19 x^{3} - 23 x^{2} - 9 x + 3}$$

Sequence: A232290
Score: 3.725
Type of gen. func.: ogf

$$-(26557955 f(x) + 9662058)$$

$$(9 f(x) x^{3} + 20 f(x) x^{2} + 12 f(x) x + 9 x^{2} - f(x) + 13 x + 7)$$

Sequence: A232290
Score: 4.13539
Type of gen. func.: ogf

$$\{a(n + 3) - 12 a(n + 2) - 20 a(n + 1) - 9 a(n), a(0) = 7, a(1) = 97,$$

$$a(2) = 1313\}$$

Sequence: A232290
Score: 7.62462
Type of gen. func.: ogf

$$-\frac{9 x^{2} + 13 x + 7}{}$$

$$9 x^3 + 20 x^2 + 12 x - 1$$

Sequence: A232296
Score: 3.57615
Type of gen. func.: ogf

$$-\frac{5 x^8 + 3 x^7 - 13 x^6 - 6 x^5 - 7 x^4 + 7 x^3 + 8 x^2 + 9 x + 1}{(5 x^6 + 8 x^5 - 3 x^4 - 8 x^3 - 6 x^2 - 5 x + 1) (x^3 - 2 x^2 + x - 1)}$$

Sequence: A232303
Score: 6.54737
Type of gen. func.: ogf

$$-\frac{16 x^4 + 7 x^3 + 8 x^2 + 19 x + 3}{16 x^5 - x^4 + 11 x^3 + 9 x^2 + 6 x - 1}$$

Sequence: A232311
Score: 3.54071
Type of gen. func.: ogf

$$-(18356960 f(x) + 27239389) (f(x) x^4 + 5 f(x) x^3 + 11 f(x) x^2 + 2 x^3 - 10 f(x) x + 12 x^2 + f(x) + 21 x - 16)$$

Sequence: A232311
Score: 6.90870
Type of gen. func.: ogf

$$-\frac{2 x^3 + 12 x^2 + 21 x - 16}{x^4 + 5 x^3 + 11 x^2 - 10 x + 1}$$

Sequence: A232312
Score: 3.75768
Type of gen. func.: ogf

$$\frac{x^6 - 23 x^5 + 14 x^4 - 48 x^3 + 123 x^2 - 135 x + 52}{(x - 1) (2 x^5 - 2 x^4 + 17 x^3 - 26 x^2 + 18 x - 1)}$$

Sequence: A232317
Score: 5.20802
Type of gen. func.: ogf

$$-(14 f(x) - 5) (2 f(x) x^4 - x^4 - f(x) x^2 + x^3 - 3 f(x) x + x^2 + f(x) + x - 2)$$

Sequence: A232317
Score: 8.92804
Type of gen. func.: ogf

$$\frac{(x - 1) (x^3 - x - 2)}{2 x^4 - x^2 - 3 x + 1}$$

Sequence: A232331
Score: 4.49606
Type of gen. func.: ogf

$$(479 f(x) - 406) (4 f(x) x^4 + 8 f(x) x^3 + 9 f(x) x^2 + 8 x^3 - 7 f(x) x + 16 x^2 + f(x) + 10 x - 6)$$

Sequence: A232331
Score: 8.13843
Type of gen. func.: ogf

$$-\frac{2 (4 x^3 + 8 x^2 + 5 x - 3)}{4 x^4 + 8 x^3 + 9 x^2 - 7 x + 1}$$

Sequence: A232332
Score: 3.52988
Type of gen. func.: ogf

$$(-1407626536 + 695688953 f(x)) (12 f(x) x^4 + 20 f(x) x^3 + 32 x^4 + 21 f(x) x^2 + 80 x^3 - 11 f(x) x + 64 x^2 + f(x) + 28 x - 10)$$

Sequence: A232332
Score: 6.42138
Type of gen. func.: ogf

$$- \frac{2 (16 x^4 + 40 x^3 + 32 x^2 + 14 x - 5)}{12 x^4 + 20 x^3 + 21 x^2 - 11 x + 1}$$

Sequence: A232333
Score: 3.38635
Type of gen. func.: ogf

$$\frac{2 (64 x^8 + 112 x^7 - 468 x^6 - 939 x^5 - 656 x^4 - 61 x^3 + 81 x^2 + 47 x - 8)}{256 x^7 + 448 x^6 + 448 x^5 + 92 x^4 - 47 x^3 - 60 x^2 + 16 x - 1}$$

Sequence: A232336
Score: 7.17283
Type of gen. func.: ogf

$$- \frac{3 x^5 - x^4 + 3 x^3 - 9 x^2 - 5 x - 1}{(x^2 - x - 1) (x^3 + 2 x - 1)}$$

Sequence: A232337
Score: 3.81428
Type of gen. func.: ogf

$$(2 x^{11} + 2 x^{10} - 20 x^8 + 4 x^7 - 14 x^6 + 55 x^5 - x^4 + 29 x^3 - 51 x^2 - 15 x - 1) \Big/ (2 x^8 - 2 x^7 + 2 x^6 - 7 x^5 + 3 x^4 - 3 x^3 + 7 x^2 + x - 1)$$

Sequence: A232343
Score: 10.3865
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4x^3 - x^2 - 2x + 1}{x^4 + x^2 + 1}$$

Sequence: A232345
Score: 3.92592
Type of gen. func.: ogf

$$\frac{64x^7 - 32x^6 - 304x^5 - 120x^4 + 60x^3 + 54x^2 + 60x + 21}{64x^8 + 32x^7 - 16x^6 - 8x^5 - 44x^4 - 30x^3 + 2x^2 - 7x + 1}$$

Sequence: A232370
Score: 4.99719
Type of gen. func.: ogf

$$-\frac{2(x^6 + x^5 - 6x^4 + 2x^3 + 8x^2 + 5x + 1)}{(x + 1)(x^6 + x^5 - 4x^4 + 2x^3 + 4x^2 + 3x - 1)}$$

Sequence: A232377
Score: 4.27004
Type of gen. func.: ogf

$$\frac{(x + 1)(32x^7 - 16x^6 - 48x^5 + 40x^4 - 26x^3 - 21x^2 - 10x - 1)}{(2x^2 + 1)(8x^6 + 12x^5 - 6x^4 + 7x^3 + 3x^2 + 3x - 1)}$$

Sequence: A232397
Score: 8.69178
Type of gen. func.: ogf

$$\frac{x(5x^6 - 15x^4 - 5x^3 + 12x^2 - 5x - 4)}{(x - 1)^3 (x + 1)^3}$$

Sequence: A232400
Score: 4.71865
Type of gen. func.: ogf

$$-\frac{4\,(x^{8}+3\,x^{7}+5\,x^{6}+3\,x^{5}-7\,x^{4}-6\,x^{3}+4\,x+1)}{2\,x^{9}+6\,x^{8}+6\,x^{7}-3\,x^{6}-12\,x^{5}-3\,x^{4}+4\,x^{3}+5\,x^{2}-1}$$

Sequence: A232401
Score: 3.42112
Type of gen. func.: ogf

$$-4\,(x^{10}+2\,x^{8}-x^{7}-x^{6}-12\,x^{5}+4\,x^{4}+4\,x^{3}+5\,x^{2}-x-2)\;/\;\left((x^{10}+3\,x^{9}+9\,x^{8}+16\,x^{7}+19\,x^{6}+6\,x^{5}-7\,x^{4}-11\,x^{3}-5\,x^{2}+1)\,(x-1)^{2}\right)$$

Sequence: A232423
Score: 9.23292
Type of gen. func.: ogf

$$\frac{x^{2}\,(x^{5}+x^{4}-3\,x^{3}-9\,x^{2}-2)}{(x-1)^{3}\,(x+1)^{3}}$$

Sequence: A232425
Score: 5.92259
Type of gen. func.: ogf

$$-\frac{4\,(16\,x^{4}+7\,x^{3}-2\,x^{2}-3\,x-1)}{32\,x^{6}+28\,x^{5}+x^{4}-11\,x^{3}-10\,x^{2}-x+1}$$

Sequence: A232449
Score: 3.98824

Type of gen. func.: ogf

$$(1219778999633976219779 f(x) + 1025070246344519402313300) (1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 767000 x^2 - f(x) - 782770 x + 16661)$$

Sequence: A232449
Score: 5.14425
Type of gen. func.: ogf

$$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 16661, a(1) = 1066601, a(2) = 100666001\}$$

Sequence: A232449
Score: 8.55310
Type of gen. func.: ogf

$$-\frac{767000 x^2 - 782770 x + 16661}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A232453
Score: 4.64669
Type of gen. func.: ogf

$$(9583447 f(x) + 16877627) (39 f(x) x^3 + 12 f(x) x^2 + 6 f(x) x + 39 x^2 - f(x) + 33 x + 3)$$

Sequence: A232453
Score: 5.08356
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) - 12 a(n + 1) - 39 a(n), a(0) = 3, a(1) = 51, a(2) = 381\}$$

Sequence: A232453
Score: 9.15042
Type of gen. func.: ogf

$$-\frac{3\,(13\,x^2+11\,x+1)}{39\,x^3+12\,x^2+6\,x-1}$$

Sequence: A232485
Score: 10.2148
Type of gen. func.: ogf

$$-\frac{28\,x^9+12\,x^8+24\,x^7+12\,x^6+8\,x^5+4\,x^4+2\,x^3+6\,x^2+3\,x+3}{x-1}$$

Sequence: A232492
Score: 6.32744
Type of gen. func.: ogf

$$-\frac{x\,(8\,x^6-6\,x^5-2\,x^4-4\,x^3+9\,x^2-5\,x+1)}{(2\,x^2-1)\,(2\,x^3-1)\,(2\,x-1)^3}$$

Sequence: A232493
Score: 13.2276
Type of gen. func.: ogf

$$-\frac{16\,x^2+2\,x-1}{(6\,x-1)\,(12\,x^2-1)}$$

Sequence: A232493
Score: 7.36143
Type of gen. func.: ogf

$$(6\,f(x)-11)\,(72\,f(x)\,x^3-12\,f(x)\,x^2-6\,f(x)\,x+16\,x^2+f(x)+2\,x-1)$$

Sequence: A232493
Score: 7.36143
Type of gen. func.: ogf

{a(n + 3) - 6 a(n + 2) - 12 a(n + 1) + 72 a(n), a(0) = 1, a(1) = 4, a(2) = 20}

Sequence: A232493
Score: 7.69605
Type of gen. func.: lgdogf

$$-\frac{-1152 x^4 - 288 x^3 + 144 x^2 + 8 x - 4}{-1152 x^5 + 48 x^4 + 192 x^3 - 16 x^2 - 8 x + 1}$$

Sequence: A232494
Score: 13.2717
Type of gen. func.: ogf

$$\frac{16 x^2 + 2 x - 1}{(6 x - 1) (2 x - 1) (12 x^2 - 1)}$$

Sequence: A232494
Score: 6.90128
Type of gen. func.: lgdogf

$$-\frac{4608 x^5 - 672 x^4 - 960 x^3 + 160 x^2 + 32 x - 6}{2304 x^6 - 1248 x^5 - 336 x^4 + 224 x^3 - 10 x + 1}$$

Sequence: A232494
Score: 7.24923
Type of gen. func.: ogf

$$(412 f(x) + 221) (144 f(x) x^4 - 96 f(x) x^3 + 8 f(x) x - 16 x^2 - f(x) - 2 x + 1)$$

Sequence: A232495
Score: 10.3531
Type of gen. func.: ogf

$$2 x^3 - 4 x^2 + 23 x + 6$$

$$\overline{}$$
$$(x - 1)^4$$

Sequence: A232495
Score: 3.99775
Type of gen. func.: ogf

$$\{(60 n^2 + 34 n - 172) a(n + 1) + (1431 n^2 + 12716 n + 24737) a(n + 2)$$
$$+ (-1491 n^2 - 8097 n - 10872) a(n + 3), a(0) = 6, a(1) = 47, a(2) = 148\}$$

Sequence: A232495
Score: 5.34797
Type of gen. func.: ogf

$$(2877849 f(x) + 38201225) ($$
$$f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 2 x^3 - 4 f(x) x + 4 x^2 + f(x) - 23 x - 6)$$

Sequence: A232495
Score: 9.61363
Type of gen. func.: lgdogf

$$- \frac{-2 x^3 + 2 x^2 - 61 x - 47}{-2 x^4 + 6 x^3 - 27 x^2 + 17 x + 6}$$

Sequence: A232497
Score: 5.44702
Type of gen. func.: ogf

$$- \frac{x^6 - x^5 - 2 x^4 + x^3 + 3 x^2 - 1}{2 x^{12} + 4 x^{10} + 6 x^8 + 6 x^7 + 13 x^6 + 13 x^5 - 2 x^4 - 7 x^3 - 5 x^2 + 1}$$

Sequence: A232508
Score: 11.1998
Type of gen. func.: lgdogf

$$-\frac{-3x^2 - 2x - 1}{-x^3 - x^2 - x + 1}$$

Sequence: A232508
Score: 17.4826
Type of gen. func.: ogf

$$-\frac{4}{x^3 + x^2 + x - 1}$$

Sequence: A232508
Score: 6.39987
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) - a(n), a(0) = 4, a(1) = 4, a(2) = 8\}$$

Sequence: A232508
Score: 7.24024
Type of gen. func.: ogf

$$(f(x) - 4) (f(x) x^3 + f(x) x^2 + f(x) x - f(x) + 4)$$

Sequence: A232509
Score: 5.56549
Type of gen. func.: ogf

$$-\frac{4 (x^6 + x^4 - x^3 - 6 x^2 - 3 x + 4)}{2 x^7 + x^6 - 2 x^5 - 5 x^4 - 4 x^3 + x^2 + 4 x - 1}$$

Sequence: A232510
Score: 10.2790
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 8 x + 2}{}$$

$$x^3 + 4 x^2 + 2 x - 1$$

Sequence: A232510
Score: 15.6632
Type of gen. func.: ogf

$$- \frac{16}{(x + 1) (x^2 + 3 x - 1)}$$

Sequence: A232510
Score: 5.67117
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 4 a(n + 1) + a(n), a(0) = 16, a(1) = 32, a(2) = 128\}$$

Sequence: A232510
Score: 6.32555
Type of gen. func.: ogf

$$(129 f(x) + 176) (f(x) x^3 + 4 f(x) x^2 + 2 f(x) x - f(x) + 16)$$

Sequence: A232516
Score: 7.74718
Type of gen. func.: ogf

$$- \frac{2 (x^4 + x^3 + 2 x^2 + 8 x + 2)}{2 x^5 + 2 x^4 + x^3 + 3 x^2 - 1}$$

Sequence: A232517
Score: 5.34328
Type of gen. func.: ogf

$$- \frac{2 (5 x^6 + 5 x^5 + 3 x^4 - 5 x^3 - 4 x^2 - 26 x - 2)}{2 x^7 + 2 x^6 - x^5 - 3 x^4 - x^3 - 6 x^2 + 1}$$

Sequence: A232518
Score: 3.86894
Type of gen. func.: ogf

$$-\frac{2\,(60\,x^{8}+60\,x^{7}-128\,x^{6}-222\,x^{5}-47\,x^{4}+54\,x^{3}+16\,x^{2}+100\,x+4)}{8\,x^{9}+8\,x^{8}-22\,x^{7}-30\,x^{6}+x^{5}+11\,x^{4}+x^{3}+12\,x^{2}-1}$$

Sequence: A232546
Score: 13.414
Type of gen. func.: ogf

$$1728\,x^{3}-432\,x^{2}+36\,x-1+f(x)^{2}$$

Sequence: A232546
Score: 23.6980
Type of gen. func.: lgdogf

$$\frac{18}{12\,x-1}$$

Sequence: A232546
Score: 6.70697
Type of gen. func.: ogf

$$\{(n+2)\,a(n+2)+(6-12\,n)\,a(n+1),\ a(0)=1,\ a(1)=-18\}$$

Sequence: A232546
Score: 63.7878
Type of gen. func.: lgdogf

$$\frac{18}{12\,x-1}$$

Sequence: A232553
Score: 15.1373
Type of gen. func.: ogf

$$-\frac{3 x^5 + 13 x^2 + 9 x + 6}{6 x^3 - 1}$$

Sequence: A232553
Score: 7.08034
Type of gen. func.: ogf

{-a(n + 4) + 6 a(n + 1), a(0) = 6, a(1) = 9, a(2) = 13, a(3) = 36, a(4) = 54,

a(5) = 81}

Sequence: A232567
Score: 7.06565
Type of gen. func.: ogf

$$-\frac{x (x^2 + x + 1) (x^3 - x^2 + 3 x + 1)}{(x + 1)^3 (x - 1)^5}$$

Sequence: A232568
Score: 3.97573
Type of gen. func.: ogf

$$\frac{x (x^9 - 4 x^8 + x^7 + 12 x^6 + 9 x^5 - 70 x^4 - 77 x^3 - 84 x^2 - 22 x - 6)}{(x + 1)^4 (x - 1)^7}$$

Sequence: A232580
Score: 15.6887
Type of gen. func.: ogf

$$-\frac{x^3}{(2 x - 1) (x - 1) (x^2 + x - 1)}$$

Sequence: A232580
Score: 7.76512

Type of gen. func.: ogf

$$2 f(x) x^{4} - f(x) x^{3} - 4 f(x) x^{2} + x^{3} + 4 f(x) x - f(x)$$

Sequence: A232580
Score: 9.60932
Type of gen. func.: lgdogf

$$-\frac{8 x^{3} - 3 x^{2} - 8 x + 4}{2 x^{4} - x^{3} - 4 x^{2} + 4 x - 1}$$

Sequence: A232582
Score: 11.8144
Type of gen. func.: lgdogf

$$-\frac{-3 x^{2} + 2 x - 2}{-x^{3} + x^{2} - 2 x + 1}$$

Sequence: A232582
Score: 16.8027
Type of gen. func.: ogf

$$-\frac{2 x}{x^{3} - x^{2} + 2 x - 1}$$

Sequence: A232582
Score: 6.81192
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1) + a(n), a(0) = 0, a(1) = 2, a(2) = 4\}$$

Sequence: A232582
Score: 9.81977
Type of gen. func.: ogf

3   2

```
                   -f(x) x  + f(x) x  - 2 f(x) x + f(x) - 2 x



-------------------------------------------------------------------------------

Sequence:  A232583
Score: 4.18066
Type of gen. func.: ogf


-(383939 f(x) - 1068668)

             4         3         2      3                 2
    (2 f(x) x  - f(x) x  - f(x) x  + 4 x  + 4 f(x) x - 2 x  - f(x) - 6 x + 10)



-------------------------------------------------------------------------------

Sequence:  A232583
Score: 8.20051
Type of gen. func.: ogf


                                   3    2
                             2 (2 x  - x  - 3 x + 5)
                           - ------------------------
                                4    3    2
                             2 x  - x  - x  + 4 x - 1



-------------------------------------------------------------------------------

Sequence:  A232584
Score: 10.6823
Type of gen. func.: ogf


                                             2
                                    2 (x + 1)
                            - ----------------------
                                          2
                              (x - 1) (x  - 3 x + 1)



-------------------------------------------------------------------------------

Sequence:  A232584
Score: 5.66625
Type of gen. func.: ogf


                           3           2                 2
   (173 f(x) - 256) (f(x) x  - 4 f(x) x  + 4 f(x) x + 2 x  - f(x) + 4 x + 2)



-------------------------------------------------------------------------------

Sequence:  A232584
Score: 5.71596
Type of gen. func.: ogf


  {a(n + 3) - 4 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 2, a(1) = 12, a(2) = 42}
```

Sequence: A232584
Score: 8.92630
Type of gen. func.: lgdogf

$$-\frac{-x^{3} - 3 x^{2} + 12 x - 6}{-x^{4} + 3 x^{3} - 3 x + 1}$$

Sequence: A232585
Score: 6.07484
Type of gen. func.: ogf

$$-\frac{2 (2 x^{4} + 3 x^{3} + x^{2} + 11 x + 13)}{(x + 1) (2 x^{4} - x^{3} + 3 x^{2} + 6 x - 1)}$$

Sequence: A232590
Score: 7.87676
Type of gen. func.: ogf

$$-\frac{2 x (x^{3} + 4 x^{2} + 6 x + 5)}{(x^{3} + x^{2} + x - 1) (x + 1)^{2}}$$

Sequence: A232591
Score: 4.11038
Type of gen. func.: ogf

$$\frac{2 (x^{9} - 2 x^{8} - 20 x^{7} - 23 x^{6} - 4 x^{5} + 41 x^{4} + 13 x^{3} - x^{2} - 17 x - 1)}{2 x^{9} + 6 x^{8} + 6 x^{7} - 3 x^{6} - 12 x^{5} - 3 x^{4} + 4 x^{3} + 5 x^{2} - 1}$$

Sequence: A232599
Score: 7.15459
Type of gen. func.: ogf

$$\frac{x (x^{2} - 4 x + 1)}{{}^{4}}$$

$$(x - 1) (x + 1)$$

Sequence: A232599
Score: 7.83138
Type of gen. func.: lgdogf

$$- \frac{3 x^3 - 19 x^2 + 19 x - 7}{x^4 - 4 x^3 + 4 x - 1}$$

Sequence: A232600
Score: 15.5960
Type of gen. func.: lgdogf

$$- \frac{6 x - 3}{2 x^2 - x - 1}$$

Sequence: A232600
Score: 20.2327
Type of gen. func.: ogf

$$\frac{2 x}{(x - 1) (2 x + 1)^2}$$

Sequence: A232600
Score: 8.04957
Type of gen. func.: ogf

$$\{a(n + 3) + 3 a(n + 2) - 4 a(n), a(0) = 0, a(1) = -2, a(2) = 6\}$$

Sequence: A232600
Score: 9.7222
Type of gen. func.: ogf

$$-f(x) (4 f(x) x^3 - 3 f(x) x - f(x) - 2 x)$$

Sequence: A232601
Score: 4.40081
Type of gen. func.: ogf

$$(254 f(x) + 65)$$

$$(8 f(x) x^{4} + 4 f(x) x^{3} - 6 f(x) x^{2} - 5 f(x) x + 4 x^{2} - f(x) - 2 x)$$

Sequence: A232601
Score: 8.53491
Type of gen. func.: lgdogf

$$-\frac{12 x^{2} - 16 x + 7}{4 x^{3} - 4 x^{2} - x + 1}$$

Sequence: A232601
Score: 8.66622
Type of gen. func.: ogf

$$-\frac{2 x (2 x - 1)}{(x - 1) (2 x + 1)^{3}}$$

Sequence: A232602
Score: 5.89115
Type of gen. func.: ogf

$$\frac{2 x (4 x^{2} - 8 x + 1)}{(x - 1) (2 x + 1)^{4}}$$

Sequence: A232603
Score: 4.16797
Type of gen. func.: ogf

$$-(88 f(x) - 65) (2 f(x) x^{4} + 5 f(x) x^{3} + 3 f(x) x^{2} - f(x) x + x^{2} - f(x) - x)$$

Sequence: A232603
Score: 8.40006
Type of gen. func.: lgdogf

$$-\frac{6x^2 - 10x + 2}{2x^3 - x^2 - 2x + 1}$$

Sequence: A232603
Score: 8.40006
Type of gen. func.: ogf

$$-\frac{x(x - 1)}{(2x - 1)(x + 1)^3}$$

Sequence: A232604
Score: 7.48093
Type of gen. func.: lgdogf

$$-\frac{6x^3 - 36x^2 + 24x - 6}{2x^4 - 7x^3 - 3x^2 + 5x - 1}$$

Sequence: A232604
Score: 7.57328
Type of gen. func.: ogf

$$\frac{x(x^2 - 4x + 1)}{(2x - 1)(x + 1)^4}$$

Sequence: A232617
Score: 10.9843
Type of gen. func.: lgdegf]

$$\frac{-6x - 13 + 2(1 - 2x)^{1/2}}{(2x + 3)(2x - 1)}$$

Sequence: A232617
Score: 4.92156
Type of gen. func.: egf]

$$-16 f(x)^2 x^4 + 32 f(x)^2 x^3 - 24 f(x)^2 x^2 + 8 f(x)^2 x + 16 f(x) x^2 - f(x)^2 - 16 f(x) x + 4 f(x) - 2 x - 3$$

Sequence: A232621
Score: 4.82865
Type of gen. func.: ogf

$$\{a(n + 5) - 7 a(n + 4) + 7 a(n + 3) - a(n + 2), a(0) = 1, a(1) = 8, a(2) = 31, a(3) = 175, a(4) = 1015\}$$

Sequence: A232621
Score: 5.40522
Type of gen. func.: ogf

$$(179 f(x) - 8224) (f(x) x^3 - x^4 - 7 f(x) x^2 + 13 x^3 + 7 f(x) x - 18 x^2 - f(x) + x + 1)$$

Sequence: A232621
Score: 9.16833
Type of gen. func.: ogf

$$\frac{x^4 - 13 x^3 + 18 x^2 - x - 1}{(x - 1) (x^2 - 6 x + 1)}$$

Sequence: A232622
Score: 6.28956
Type of gen. func.: ogf

$$-\frac{x^6 - 4 x^5 + 10 x^3 - 4 x^2 - 3 x + 1}{(x - 1) (x^2 - 4 x + 1) (x^4 - 4 x^2 + 1)}$$

Sequence: A232635
Score: 6.50054
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3 x^6 + 2 x^5 - x^4 - 2 x^3 + 5 x^2 + 4 x + 1}{-x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 1}$$

Sequence: A232636
Score: 4.53314
Type of gen. func.: ogf

$$-(1130011 f(x) - 21211646655168)$$

$$(6 f(x) x^3 + 131010048 x^2 - f(x) + 53747712 x + 34012224)$$

Sequence: A232636
Score: 5.55078
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n), a(0) = 34012224, a(1) = 53747712, a(2) = 131010048\}$$

Sequence: A232636
Score: 7.66163
Type of gen. func.: ogf

$$-\frac{419904 (312 x^2 + 128 x + 81)}{6 x^3 - 1}$$

Sequence: A232670
Score: 3.99603
Type of gen. func.: ogf

$$-\frac{2 (32 x^6 + 80 x^5 + 70 x^4 - 21 x^3 - 194 x^2 - 70 x - 18)}{64 x^8 + 48 x^7 + 52 x^6 - 166 x^5 - 170 x^4 - 118 x^3 - 21 x^2 - 2 x + 1}$$

Sequence: A232688
Score: 11.3338
Type of gen. func.: lgdegf]

$$-2 \ln(x - 1) - \frac{3}{x - 1} - 2 + 2 I \pi$$

Sequence: A232688
Score: 27.2469
Type of gen. func.: lgdegf]

$$-2 \ln(x - 1) - \frac{3}{x - 1} - 2 + 2 I \pi$$

Sequence: A232693
Score: 10.2241
Type of gen. func.: revegf]

$$\left(-3 \ln(x + 1) - \frac{4}{x + 1} + 4\right) (x + 1)$$

Sequence: A232713
Score: 4.41488
Type of gen. func.: ogf

$$\{(-15 n^2 - 65 n - 70) a(n + 1) + (21 n^2 + 49 n + 98) a(n + 2) + (-6 n^2 - 20 n - 16) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 35\}$$

Sequence: A232713
Score: 8.63988
Type of gen. func.: ogf

$$-\frac{x (5 x^3 + 45 x^2 + 30 x + 1)}{(x - 1)^5}$$

Sequence: A232713

Score: 9.02819
Type of gen. func.: lgdogf

$$-\frac{10 x^3 + 150 x^2 + 210 x + 35}{5 x^4 + 40 x^3 - 15 x^2 - 29 x - 1}$$

Sequence: A232714
Score: 8.19283
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^6 + x^5 + 1}{-x^7 + 1}$$

Sequence: A232719
Score: 10.7322
Type of gen. func.: ogf

$$\frac{3 (28 x + 23)}{(x - 1) (16 x^2 + 136 x + 1)}$$

Sequence: A232719
Score: 4.84158
Type of gen. func.: ogf

$$(4561665437952 f(x) + 563608165609)$$

$$(16 f(x) x^3 + 120 f(x) x^2 - 135 f(x) x - f(x) - 84 x - 69)$$

Sequence: A232719
Score: 5.07032
Type of gen. func.: ogf

$$\{a(n + 3) + 135 a(n + 2) - 120 a(n + 1) - 16 a(n), a(0) = -69, a(1) = 9231,$$

$$a(2) = -1254465\}$$

Sequence: A232719

Score: 6.25176
Type of gen. func.: lgdogf

$$-\frac{896 x^3 + 4464 x^2 + 5520 x - 3077}{448 x^4 + 3728 x^3 - 1020 x^2 - 3133 x - 23}$$

Sequence: A232729
Score: 10.4913
Type of gen. func.: ogf

$$-\frac{5 x^3 + 85 x^2 - 5 x - 4}{(10 x - 1) (10 x^2 - 1)}$$

Sequence: A232729
Score: 5.46727
Type of gen. func.: ogf

$\{a(n + 4) - 10 a(n + 3) - 10 a(n + 2) + 100 a(n + 1), a(0) = 4, a(1) = 45,$

$a(2) = 405, a(3) = 4095\}$

Sequence: A232729
Score: 6.06526
Type of gen. func.: ogf

$(251 f(x) + 396)$

$(100 f(x) x^3 - 10 f(x) x^2 + 5 x^3 - 10 f(x) x + 85 x^2 + f(x) - 5 x - 4)$

Sequence: A232729
Score: 6.11302
Type of gen. func.: lgdogf

$$-\frac{8550 x^4 - 900 x^3 - 315 x^2 - 90 x + 45}{500 x^6 + 8450 x^5 - 1400 x^4 - 1195 x^3 + 175 x^2 + 35 x - 4}$$

Sequence: A232730
Score: 4.91553
Type of gen. func.: ogf

$$\{a(n+4) - 10 a(n+3) - 10 a(n+2) + 100 a(n+1), a(0) = 5, a(1) = 45, a(2) = 495, a(3) = 4905\}$$

Sequence: A232730
Score: 5.58405
Type of gen. func.: ogf

$$(25 f(x) + 91) (100 f(x) x^3 - 10 f(x) x^2 - 5 x^3 - 10 f(x) x + 5 x^2 + f(x) + 5 x - 5)$$

Sequence: A232730
Score: 7.05056
Type of gen. func.: lgdogf

$$- \frac{90 x^3 + 270 x^2 - 27 x - 9}{-100 x^5 + 10 x^4 + 110 x^3 - 11 x^2 - 10 x + 1}$$

Sequence: A232730
Score: 9.56171
Type of gen. func.: ogf

$$\frac{5 (x + 1) (x - 1)^2}{(10 x - 1) (10 x^2 - 1)}$$

Sequence: A232731
Score: 4.41775
Type of gen. func.: ogf

$$\{a(n+5) - 10 a(n+4) - 10 a(n+3) + 100 a(n+2), a(0) = 4, a(1) = 50, a(2) = 450, a(3) = 4590, a(4) = 45405\}$$

Sequence: A232731

Score: 4.6846
Type of gen. func.: ogf

$$(121925387 f(x) + 13376092) (100 f(x) x^3 - 5 x^4 - 10 f(x) x^2 + 10 x^3 - 10 f(x) x + 90 x^2 + f(x) - 10 x - 4)$$

Sequence: A232731
Score: 8.30958
Type of gen. func.: ogf

$$\frac{5 x^4 - 10 x^3 - 90 x^2 + 10 x + 4}{(10 x - 1) (10 x^2 - 1)}$$

Sequence: A232732
Score: 4.17026
Type of gen. func.: ogf

$$\{-a(n + 3) - 2766 a(n + 2) - 172929 a(n + 1) - 64 a(n), a(0) = -922, a(1) = 2434966, a(2) = -6575675482\}$$

Sequence: A232732
Score: 7.37815
Type of gen. func.: ogf

$$- \frac{2 (32 x^2 + 57643 x + 461)}{(64 x + 1) (x^2 + 2702 x + 1)}$$

Sequence: A232741
Score: 15.2069
Type of gen. func.: ogf_with_Euler_transform]

$$2 - (x - 1) x^4 + (x - 1) x^{19}$$

Sequence: A232742
Score: 16.7537

Type of gen. func.: ogf_with_Euler_transform]

$$x^{14} (x - 1) - x^3 + x^2 + 2$$

Sequence: A232742
Score: 5.61026
Type of gen. func.: ogf

$$\frac{6 (x^4 + x^3 + x^2 + x + 1) (x^8 - x^7 + x^5 - x^4 + x^3 - x + 1)}{(x^4 + 1) (x^8 + 1) (x - 1)^2}$$

Sequence: A232744
Score: 15.3834
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{14} (x - 1) + x^3 - x^2 - x + 3$$

Sequence: A232744
Score: 4.25378
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + 1) (x^8 + 1)}{(x^4 + x^3 + x^2 + x + 1) (x^8 - x^7 + x^5 - x^4 + x^3 - x + 1) (x - 1)^2}$$

Sequence: A232765
Score: 8.23478
Type of gen. func.: ogf

$$- \frac{x (x + 1) (x^2 + x + 1)^2}{(x - 1) (x^6 - 14 x^3 + 1)}$$

Sequence: A232771
Score: 8.28874
Type of gen. func.: ogf

$$\frac{x\,(x^{4} + 3\,x^{3} + 6\,x^{2} + 3\,x + 1)}{x^{6} - 14\,x^{3} + 1}$$

Sequence: A232801
Score: 12.9403
Type of gen. func.: ogf

$$-\frac{x\,(x^{2} - x - 1)}{(x - 1)\,(x + 1)\,(3\,x^{2} - 1)}$$

Sequence: A232801
Score: 8.13769
Type of gen. func.: ogf

$$(3\,f(x) + 4)\,(3\,f(x)\,x^{4} - 4\,f(x)\,x^{2} + x^{3} - x^{2} + f(x) - x)$$

Sequence: A232840
Score: 3.77985
Type of gen. func.: ogf

$$-\frac{2\,(256\,x^{6} + 48\,x^{5} + 38\,x^{4} + 17\,x^{3} - 86\,x^{2} - 4\,x - 2)}{512\,x^{8} + 176\,x^{7} + 36\,x^{6} + 86\,x^{5} - 150\,x^{4} - 66\,x^{3} - 3\,x^{2} - 2\,x + 1}$$

Sequence: A232845
Score: 5.31603
Type of gen. func.: ogf

{(n + 2) a(n + 1) + (-n - 1) a(n + 2) + a(n + 3), a(0) = 0, a(1) = 1, a(2) = 0}

Sequence: A232866
Score: 7.97450
Type of gen. func.: lgdogf

$$3\,x^{6} - 4\,x^{5} - 4\,x^{4} - 4\,x^{3} - 3\,x^{2} + 2\,x - 2$$

$$-\frac{}{-x^{7}+x^{3}+x^{2}-2x+1}$$

Sequence: A232866
Score: 9.75704
Type of gen. func.: ogf

$$-\frac{x^{6}+x^{5}+x^{4}+x^{3}-x+1}{(x-1)^{3}}$$

Sequence: A232867
Score: 10.6584
Type of gen. func.: lgdogf

$$-\frac{10x^{2}-10x+12}{x^{4}+6x^{3}-19x^{2}+20x-8}$$

Sequence: A232867
Score: 11.7242
Type of gen. func.: ogf

$$-\frac{x^{3}+7x^{2}-12x+8}{(x-1)^{3}}$$

Sequence: A232867
Score: 6.07921
Type of gen. func.: ogf

$$\{a(n+4)-3a(n+3)+3a(n+2)-a(n+1),\ a(0)=8,\ a(1)=12,\ a(2)=19,\ a(3)=30\}$$

Sequence: A232867
Score: 6.36197
Type of gen. func.: ogf

$$-(816 f(x) - 5863) (f(x) x^3 - 3 f(x) x^2 + x^3 + 3 f(x) x + 7 x^2 - f(x) - 12 x + 8)$$

Sequence: A232868
Score: 7.05564
Type of gen. func.: ogf

$$-\frac{x^9 + 4 x^7 - 2 x^6 - 2 x^5 + 2 x^4 - x^2 + x + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A232896
Score: 12.4561
Type of gen. func.: ogf

$$\frac{2 x^2 - 1}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A232896
Score: 4.57428
Type of gen. func.: ogf

$$\{a(n) n + a(n + 1) + (-2 n + 1) a(n + 2) + (n - 1) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 5, a(3) = 8, a(4) = 12\}$$

Sequence: A232896
Score: 6.42577
Type of gen. func.: ogf

$$(f(x) + 34) (f(x) x^4 - f(x) x^3 - 2 f(x) x^2 + 3 f(x) x - 2 x^2 - f(x) + 1)$$

Sequence: A232896
Score: 9.20053
Type of gen. func.: lgdogf

$$-4 x^4 - 2 x^3 + 2 x^2 + 5 x - 3$$

```
- -----------------------------
     5      3      2
-2 x  + 5 x  - 2 x  - 2 x + 1
```

Sequence: A232901
Score: 10.8315
Type of gen. func.: lgdogf

$$-\frac{-12 x^{2} + 2 x - 2}{-4 x^{3} + x^{2} - 2 x + 1}$$

Sequence: A232901
Score: 15.6455
Type of gen. func.: ogf

$$-\frac{4 x}{4 x^{3} - x^{2} + 2 x - 1}$$

Sequence: A232901
Score: 6.34277
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1) + 4 a(n), a(0) = 0, a(1) = 4, a(2) = 8\}$$

Sequence: A232901
Score: 9.14348
Type of gen. func.: ogf

$$-4 f(x) x^{3} + f(x) x^{2} - 2 f(x) x + f(x) - 4 x$$

Sequence: A232902
Score: 3.82468
Type of gen. func.: ogf

$$-(29688931 f(x) - 58566284) (16 f(x) x^{4} + 26 f(x) x^{3} - f(x) x^{2} + 32 x^{3}$$
$$+ 4 f(x) x + 68 x^{2} - f(x) - 6 x + 10)$$

Sequence: A232902
Score: 7.46279
Type of gen. func.: ogf

$$-\frac{2\,(16\,x^{3}+34\,x^{2}-3\,x+5)}{16\,x^{4}+26\,x^{3}-x^{2}+4\,x-1}$$

Sequence: A232909
Score: 4.75581
Type of gen. func.: ogf

$$-\frac{2\,x\,(104\,x^{5}+106\,x^{4}+28\,x^{3}-21\,x^{2}-26\,x-5)}{(7\,x^{2}+x+1)\,(32\,x^{6}+28\,x^{5}+x^{4}-11\,x^{3}-10\,x^{2}-x+1)}$$

Sequence: A232917
Score: 4.34121
Type of gen. func.: ogf

$$-\frac{6\,(x^{2}-7\,x+4)\,(3\,x^{3}-5\,x^{2}-8\,x+2)}{2\,x^{6}-19\,x^{5}+36\,x^{4}+15\,x^{3}-45\,x^{2}+14\,x-1}$$

Sequence: A232921
Score: 12.9426
Type of gen. func.: lgdogf

$$-\frac{-4\,x-2}{-2\,x^{2}-2\,x+1}$$

Sequence: A232921
Score: 18.8256
Type of gen. func.: ogf

```
          9
- --------------
        2
```

```
                                  2 x  + 2 x - 1



------------------------------------------------------------------------------

Sequence:  A232921
Score: 7.48486
Type of gen. func.: ogf


                                        2
                (11 f(x) - 63) (2 f(x) x  + 2 f(x) x - f(x) + 9)



------------------------------------------------------------------------------

Sequence:  A232921
Score: 7.48487
Type of gen. func.: ogf


             {-a(n + 2) + 2 a(n + 1) + 2 a(n), a(0) = 9, a(1) = 18}



------------------------------------------------------------------------------

Sequence:  A232922
Score: 4.45737
Type of gen. func.: ogf


-(580327 f(x) - 3213933)

             3            2       3                  2
    (2 f(x) x  - 4 f(x) x  - 12 x  - 3 f(x) x + 24 x  + f(x) + 27 x - 27)



------------------------------------------------------------------------------

Sequence:  A232922
Score: 4.45737
Type of gen. func.: ogf


{-a(n + 4) + 3 a(n + 3) + 4 a(n + 2) - 2 a(n + 1), a(0) = 27, a(1) = 54,

    a(2) = 246, a(3) = 912}



------------------------------------------------------------------------------

Sequence:  A232922
Score: 8.42626
Type of gen. func.: ogf


                                 3      2
                           3 (4 x  - 8 x  - 9 x + 9)
                           -------------------------
                                3      2
                             2 x  - 4 x  - 3 x + 1



------------------------------------------------------------------------------
```

Sequence: A232923
Score: 4.35960
Type of gen. func.: ogf

$$\frac{3 (40 x^6 + 20 x^5 - 279 x^4 - 31 x^3 + 220 x^2 + 27 x - 27)}{4 x^6 + 2 x^5 - 25 x^4 - 3 x^3 + 16 x^2 + 3 x - 1}$$

Sequence: A232935
Score: 11.3715
Type of gen. func.: ogf

$$- \frac{2 (x^2 + 3 x + 3)}{x^3 + 2 x^2 + x - 1}$$

Sequence: A232935
Score: 6.08477
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - 2 a(n + 1) - a(n), a(0) = 6, a(1) = 12, a(2) = 26}

Sequence: A232935
Score: 6.13861
Type of gen. func.: ogf

$$(19 f(x) - 56) (f(x) x^3 + 2 f(x) x^2 + f(x) x + 2 x^2 - f(x) + 6 x + 6)$$

Sequence: A232935
Score: 7.30173
Type of gen. func.: lgdogf

$$- \frac{-x^4 - 6 x^3 - 14 x^2 - 14 x - 6}{-x^5 - 5 x^4 - 10 x^3 - 8 x^2 + 3}$$

Sequence: A232936
Score: 7.04130
Type of gen. func.: ogf

$$\frac{2 (x^5 - x^4 - 5 x^3 - x^2 + 7 x + 6)}{(x + 1) (x^4 - x^3 - 3 x^2 - 2 x + 1)}$$

Sequence: A232937
Score: 3.63439
Type of gen. func.: ogf

$$\frac{2 (4 x^8 - 13 x^7 + 6 x^6 + 26 x^5 - 23 x^4 - 62 x^3 - 22 x^2 + 16 x + 12)}{x^8 - 3 x^7 + x^6 + 6 x^5 - 4 x^4 - 15 x^3 - 10 x^2 - x + 1}$$

Sequence: A232943
Score: 3.18736
Type of gen. func.: ogf

$$(-15346858912 + 8907694689 f(x)) (2 f(x) x^4 - 9 f(x) x^3 - 2 x^4 + 15 f(x) x^2 + 8 x^3 - 13 f(x) x - 11 x^2 + f(x) + 18 x - 9)$$

Sequence: A232943
Score: 6.01660
Type of gen. func.: ogf

$$\frac{(x - 3) (2 x^3 - 2 x^2 + 5 x - 3)}{2 x^4 - 9 x^3 + 15 x^2 - 13 x + 1}$$

Sequence: A232950
Score: 10.9698
Type of gen. func.: ogf

$$- \frac{3 (2 x - 3)}{6 x^2 - 15 x + 1}$$

Sequence: A232950
Score: 5.42593
Type of gen. func.: ogf

$$-(203 f(x) + 22) (6 f(x) x^2 - 15 f(x) x + f(x) + 6 x - 9)$$

Sequence: A232950
Score: 5.93660
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1) + 6 a(n), a(0) = 9, a(1) = 129\}$$

Sequence: A232950
Score: 7.20873
Type of gen. func.: lgdogf

$$-\frac{-12 x^2 + 36 x - 43}{-12 x^3 + 48 x^2 - 47 x + 3}$$

Sequence: A232951
Score: 4.27364
Type of gen. func.: ogf

$$(4873426 f(x) + 1362795) (5 f(x) x^3 - 35 f(x) x^2 + 31 f(x) x + 15 x^2 - f(x) - 66 x + 27)$$

Sequence: A232951
Score: 4.52088
Type of gen. func.: ogf

$$\{-a(n + 3) + 31 a(n + 2) - 35 a(n + 1) + 5 a(n), a(0) = 27, a(1) = 771, a(2) = 22971\}$$

Sequence: A232951
Score: 8.28827
Type of gen. func.: ogf

^{2}

$$-\frac{3\,(5\,x \;- 22\,x + 9)}{(x - 1)\,(5\,x^2 - 30\,x + 1)}$$

Sequence: A232956
Score: 12.7818
Type of gen. func.: ogf

$$-\frac{x + 4}{(x + 1)\,(6\,x - 1)}$$

Sequence: A232956
Score: 6.32067
Type of gen. func.: ogf

$$-(17\,f(x) - 19)\,(6\,f(x)\,x^2 + 5\,f(x)\,x - f(x) + x + 4)$$

Sequence: A232956
Score: 6.92988
Type of gen. func.: ogf

$$\{-a(n + 2) + 5\,a(n + 1) + 6\,a(n),\ a(0) = 4,\ a(1) = 21\}$$

Sequence: A232956
Score: 8.45853
Type of gen. func.: lgdogf

$$-\frac{-6\,x^2 - 48\,x - 21}{-6\,x^3 - 29\,x^2 - 19\,x + 4}$$

Sequence: A232957
Score: 2.83707
Type of gen. func.: ogf

$$-(28237934464062\,f(x) + 1942053722857)\,(12\,f(x)\,x^4 - 40\,f(x)\,x^3 + 7\,f(x)\,x^2$$
$$+ 10\,x^3 + 12\,f(x)\,x + 5\,x^2 - f(x) - 45\,x + 16)$$

Sequence: A232957
Score: 5.87923
Type of gen. func.: ogf

$$-\frac{10x^3+5x^2-45x+16}{12x^4-40x^3+7x^2+12x-1}$$

Sequence: A232965
Score: 5.27553
Type of gen. func.: ogf

$$-\frac{(x-1)(8x^6+15x^5+9x^4+4x^3+3x+1)}{(x^2+x-1)(x^6-x^3-1)}$$

Sequence: A232969
Score: 6.28834
Type of gen. func.: ogf

$$-3f(x)^3x^3+24f(x)^3x^2-56f(x)^3x+4f(x)^3+2f(x)x-3f(x)-1$$

Sequence: A232970
Score: 11.1073
Type of gen. func.: lgdogf

$$-\frac{6x^3+6x^2-6x+2}{3x^4+8x^3-18x^2+8x-1}$$

Sequence: A232970
Score: 16.9754
Type of gen. func.: ogf

$$-\frac{3x-1}{(x-1)(x^2+4x-1)}$$

Sequence: A232970
Score: 8.03298
Type of gen. func.: ogf

$$\{a(n+3) - 5\,a(n+2) + 3\,a(n+1) + a(n),\ a(0) = 1,\ a(1) = 2,\ a(2) = 7\}$$

Sequence: A232970
Score: 8.25408
Type of gen. func.: ogf

$$-(32\,f(x) - 11)\,(f(x)\,x^3 + 3\,f(x)\,x^2 - 5\,f(x)\,x + f(x) + 3\,x - 1)$$

Sequence: A232971
Score: 11.4087
Type of gen. func.: ogf

$$-\frac{(x - 1)\,(x^2 + 4\,x - 1)}{x^4 - x^3 - 10\,x^2 + 7\,x - 1}$$

Sequence: A232971
Score: 6.35626
Type of gen. func.: ogf

$$(61\,f(x) - 27)$$

$$(f(x)\,x^4 - f(x)\,x^3 - 10\,f(x)\,x^2 + x^3 + 7\,f(x)\,x + 3\,x^2 - f(x) - 5\,x + 1)$$

Sequence: A232971
Score: 7.00691
Type of gen. func.: lgdogf

$$-\frac{-x^6 - 6\,x^5 + 8\,x^4 - 29\,x^2 + 14\,x - 2}{-x^7 - 2\,x^6 + 18\,x^5 + 17\,x^4 - 69\,x^3 + 48\,x^2 - 12\,x + 1}$$

Sequence: A232980
Score: 12.1255
Type of gen. func.: lgdegf]

```
                4    3    2
              -x  - x  - x  - 2 x - 1
            - -----------------------
                       2
                      x  + x + 1
```

Sequence: A232980
Score: 27.7325
Type of gen. func.: lgdegf]

```
                4    3    2
              -x  - x  - x  - 2 x - 1
            - -----------------------
                       2
                      x  + x + 1
```

Sequence: A232980
Score: 3.88016
Type of gen. func.: egf]

```
    2
{(-n  - 5 n - 6) a(n + 1) + (n + 3) a(n + 2) + (n + 1) a(n + 3)

         3      2
     + (n  + 7 n  + 14 n + 8) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 1,

    a(3) = 1/3}
```

Sequence: A232981
Score: 7.00492
Type of gen. func.: lgdegf]

```
       8    7    6    5    4      3      2
     -x  - x  - x  - x  - x  - 4 x  - 3 x  - 2 x - 1
   - -----------------------------------------------
                   4    3    2
                  x  + x  + x  + x + 1
```

Sequence: A232985
Score: 10.7028
Type of gen. func.: lgdegf]

```
                   11         10
              -89 x   + 100 x   - 10
          - ---------------------------
                12       11
```

$$11 x - 11 x - 10 x + 10$$

Sequence: A232985
Score: 12.2317
Type of gen. func.: egf]

$$-\frac{221 x^{11} - 220}{(x - 1) (21 x^{11} - 220)}$$

Sequence: A232990
Score: 15.8876
Type of gen. func.: ogf

$$-\frac{(x^2 - x + 1) (x + 1)}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A232990
Score: 21.6214
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^4 + x^2$$

Sequence: A232990
Score: 9.40714
Type of gen. func.: lgdogf

$$-\frac{2 x^7 + 5 x^4 + 3 x^2}{x^8 + x^5 - x^3 - 1}$$

Sequence: A232991
Score: 15.1607
Type of gen. func.: ogf

$$-\frac{x^4 + 1}{}$$

```
                                      2            2
                    (x - 1) (x + 1) (x  + x + 1) (x  - x + 1)



------------------------------------------------------------------------------

Sequence:  A232991
Score: 20.6322
Type of gen. func.: ogf_with_Euler_transform]


                                   7    5    3
                                 -x  + x  + x



------------------------------------------------------------------------------

Sequence:  A232999
Score: 7.74590
Type of gen. func.: ogf


                        5       4       3       2
                    2 (x  + 16 x  - 32 x  - 44 x  + 43 x - 8)
                - ---------------------------------------------
                                    2              2
                  (x - 1) (x + 1) (x  - 4 x + 1) (x  + 2 x - 1)



------------------------------------------------------------------------------

Sequence:  A233000
Score: 6.79604
Type of gen. func.: ogf


                7       6       5      4        3       2
             5 x  + 10 x  - 70 x  + 6 x  + 122 x  - 38 x  - 43 x + 16
           - --------------------------------------------------------
                               2              2            2
             (x - 1) (x + 1) (x  - 3 x + 1) (x  + x - 1) (x  - x - 1)



------------------------------------------------------------------------------

Sequence:  A233006
Score: 10.6941
Type of gen. func.: ogf_with_Euler_transform]


                                4    3    2
                              -x  + x  - x  + x - 1
                            - ---------------------
                                       6
                                     -x  + 1



------------------------------------------------------------------------------

Sequence:  A233013
Score: 3.84382
Type of gen. func.: ogf


-(6642525 f(x) - 5321993)
```

$$(27 f(x) x^3 - 45 f(x) x^2 + 19 f(x) x + 21 x^2 - f(x) - 21 x + 5)$$

Sequence: A233013
Score: 4.26373
Type of gen. func.: ogf

{-a(n + 3) + 19 a(n + 2) - 45 a(n + 1) + 27 a(n), a(0) = 5, a(1) = 74,

a(2) = 1202}

Sequence: A233013
Score: 7.68764
Type of gen. func.: ogf

$$-\frac{21 x^2 - 21 x + 5}{(x - 1) (27 x^2 - 18 x + 1)}$$

Sequence: A233014
Score: 3.10979
Type of gen. func.: ogf

$$(6755792384231480 f(x) - 14805797557025201) (263 f(x) x^4 - 530 f(x) x^3 + 312 f(x) x^2 + 226 x^3 - 46 f(x) x - 321 x^2 + f(x) + 129 x - 14)$$

Sequence: A233014
Score: 6.21958
Type of gen. func.: ogf

$$-\frac{226 x^3 - 321 x^2 + 129 x - 14}{(x - 1) (263 x^3 - 267 x^2 + 45 x - 1)}$$

Sequence: A233020
Score: 12.5586
Type of gen. func.: lgdogf

$$-4 x - 5$$

$$-\frac{}{-2 x^{2} - 5 x + 1}$$

Sequence: A233020
Score: 18.2671
Type of gen. func.: ogf

$$-\frac{3}{2 x^{2} + 5 x - 1}$$

Sequence: A233020
Score: 6.92891
Type of gen. func.: ogf

$$-(29 f(x) - 12) (2 f(x) x^{2} + 5 f(x) x - f(x) + 3)$$

Sequence: A233020
Score: 7.26283
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + 2 a(n), a(0) = 3, a(1) = 15\}$$

Sequence: A233021
Score: 3.43363
Type of gen. func.: ogf

$$-(371917627 f(x) + 12487116)$$

$$(2 f(x) x^{4} - 11 f(x) x^{3} - 5 f(x) x^{2} + 11 f(x) x + 3 x^{2} - f(x) - 18 x + 9)$$

Sequence: A233021
Score: 7.20107
Type of gen. func.: ogf

$$-\frac{3 (x^{2} - 6 x + 3)}{2 x^{4} - 11 x^{3} - 5 x^{2} + 11 x - 1}$$

Sequence: A233035
Score: 9.75402
Type of gen. func.: ogf

$$-\frac{x^3 (x^4 + x^3 + x^2 + x + 4)}{(x + 1)^2 (x^2 + 1)^2 (x - 1)^3}$$

Sequence: A233036
Score: 9.79535
Type of gen. func.: ogf

$$-\frac{2 x^3 (x^5 - 2 x^4 + x^3 - x + 2)}{(x + 1) (x^2 + 1) (x - 1)^3}$$

Sequence: A233045
Score: 3.18848
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^2$$

Sequence: A233068
Score: 4.82695
Type of gen. func.: ogf

$$\frac{x^5 - 6 x^4 + 14 x^3 - 22 x^2 + 20 x - 5}{(x - 1) (2 x^4 - 9 x^3 + 15 x^2 - 13 x + 1)}$$

Sequence: A233077
Score: 11.2636
Type of gen. func.: ogf

$$-\frac{5 (3 x - 1)}{(21 x - 1) (x - 1)}$$

Sequence: A233077
Score: 5.6911
Type of gen. func.: ogf

$$-(376 f(x) - 75) (21 f(x) x^2 - 22 f(x) x + f(x) + 15 x - 5)$$

Sequence: A233077
Score: 6.36065
Type of gen. func.: ogf

$$\{a(n + 2) - 22 a(n + 1) + 21 a(n), a(0) = 5, a(1) = 95\}$$

Sequence: A233077
Score: 7.72364
Type of gen. func.: lgdogf

$$-\frac{-63 x^2 + 42 x - 19}{-63 x^3 + 87 x^2 - 25 x + 1}$$

Sequence: A233078
Score: 10.4485
Type of gen. func.: ogf

$$-\frac{2 (19 x - 7)}{(49 x - 1) (x - 1)}$$

Sequence: A233078
Score: 5.17149
Type of gen. func.: ogf

$$-(7932 f(x) - 1487) (49 f(x) x^2 - 50 f(x) x + f(x) + 38 x - 14)$$

Sequence: A233078
Score: 5.88480
Type of gen. func.: ogf

$$\{a(n + 2) - 50 a(n + 1) + 49 a(n), a(0) = 14, a(1) = 662\}$$

Sequence: A233078
Score: 6.64906
Type of gen. func.: lgdogf

$$-\frac{-931 x^{2} + 686 x - 331}{-931 x^{3} + 1293 x^{2} - 369 x + 7}$$

Sequence: A233079
Score: 3.01616
Type of gen. func.: ogf

$$-(28729419207 f(x) - 3620825767)$$

$$(294 f(x) x^{3} - 411 f(x) x^{2} + 118 f(x) x + 255 x^{2} - f(x) - 207 x + 41)$$

Sequence: A233079
Score: 3.44365
Type of gen. func.: ogf

{-a(n + 3) + 118 a(n + 2) - 411 a(n + 1) + 294 a(n), a(0) = 41, a(1) = 4631,

a(2) = 529862}

Sequence: A233079
Score: 6.07422
Type of gen. func.: ogf

$$-\frac{255 x^{2} - 207 x + 41}{(x - 1) (294 x^{2} - 117 x + 1)}$$

Sequence: A233080
Score: 4.22030
Type of gen. func.: ogf

$$-\frac{8771 x^{3} - 7803 x^{2} + 2112 x - 122}{{}^{3} \qquad {}^{2}}$$

$$(x - 1) (9604 x - 3969 x + 282 x - 1)$$

Sequence: A233083
Score: 11.0398
Type of gen. func.: ogf

$$\frac{4 x^2 - 10 x + 3}{(7 x - 1) (x - 1)}$$

Sequence: A233083
Score: 5.73221
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 7 a(n + 1), a(0) = 3, a(1) = 14, a(2) = 95\}$$

Sequence: A233083
Score: 5.96151
Type of gen. func.: ogf

$$-(-19 + 39 f(x)) (7 f(x) x^2 - 8 f(x) x - 4 x^2 + f(x) + 10 x - 3)$$

Sequence: A233083
Score: 7.35988
Type of gen. func.: lgdogf

$$- \frac{38 x^2 - 34 x + 14}{-28 x^4 + 102 x^3 - 105 x^2 + 34 x - 3}$$

Sequence: A233084
Score: 3.5459
Type of gen. func.: ogf

$$(591375 f(x) + 1360807) (27 f(x) x^3 + 27 x^4 - 45 f(x) x^2 - 81 x^3 + 19 f(x) x + 117 x^2 - f(x) - 68 x + 10)$$

Sequence: A233084
Score: 6.06101
Type of gen. func.: ogf

$$-\frac{27x^4 - 81x^3 + 117x^2 - 68x + 10}{(x-1)(27x^2 - 18x + 1)}$$

Sequence: A233085
Score: 3.73886
Type of gen. func.: ogf

$$(60858x^7 - 116910x^6 + 69603x^5 - 24245x^4 + 14289x^3 - 4269x^2 + 670x - 36) / ((3x-1)(x-1)(263x^3 - 267x^2 + 45x - 1))$$

Sequence: A233093
Score: 3.9998
Type of gen. func.: ogf

$$(42563 f(x) + 25122)$$

$$(6 f(x) x^3 - 21 f(x) x^2 + 16 f(x) x + 6x^2 - f(x) - 15x + 5)$$

Sequence: A233093
Score: 4.17074
Type of gen. func.: ogf

$$\{-a(n+3) + 16 a(n+2) - 21 a(n+1) + 6 a(n), a(0) = 5, a(1) = 65, a(2) = 941\}$$

Sequence: A233093
Score: 7.62462
Type of gen. func.: ogf

$$-\frac{6x^2 - 15x + 5}{(x-1)(6x^2 - 15x + 1)}$$

Sequence: A233094
Score: 4.20068
Type of gen. func.: ogf

$$(1219369 f(x) + 291962)$$

$$(5 f(x) x^{3} - 35 f(x) x^{2} + 31 f(x) x + 10 x^{2} - f(x) - 48 x + 14)$$

Sequence: A233094
Score: 4.40898
Type of gen. func.: ogf

$\{-a(n + 3) + 31 a(n + 2) - 35 a(n + 1) + 5 a(n), a(0) = 14, a(1) = 386,$

$a(2) = 11486\}$

Sequence: A233094
Score: 8.08312
Type of gen. func.: ogf

$$- \frac{2 (5 x^{2} - 24 x + 7)}{(x - 1) (5 x^{2} - 30 x + 1)}$$

Sequence: A233099
Score: 4.11913
Type of gen. func.: ogf

$\{a(n + 4) - 6 a(n + 3) - a(n + 2) + 6 a(n + 1), a(0) = 3, a(1) = 11, a(2) = 65,$

$a(3) = 386\}$

Sequence: A233099
Score: 4.41104
Type of gen. func.: ogf

$$(13840 f(x) - 28689)$$

$$(6 f(x) x^{3} - f(x) x^{2} - 3 x^{3} - 6 f(x) x + 4 x^{2} + f(x) + 7 x - 3)$$

Sequence: A233099
Score: 8.11887
Type of gen. func.: ogf

$$\frac{3x^3 - 4x^2 - 7x + 3}{(x-1)(6x-1)(x+1)}$$

Sequence: A233100
Score: 4.87516
Type of gen. func.: ogf

$$\frac{18x^5 - 89x^4 + 93x^3 + 29x^2 - 56x + 10}{(x-1)(12x^4 - 40x^3 + 7x^2 + 12x - 1)}$$

Sequence: A233106
Score: 5.20811
Type of gen. func.: ogf

$$-(f(x) - 1)(15 f(x) x^3 - 23 f(x) x^2 + 9 f(x) x + 11 x^2 - f(x) - 7x + 1)$$

Sequence: A233106
Score: 5.39084
Type of gen. func.: ogf

$$\{-a(n+3) + 9 a(n+2) - 23 a(n+1) + 15 a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A233106
Score: 9.60244
Type of gen. func.: ogf

$$-\frac{11x^2 - 7x + 1}{(x-1)(3x-1)(5x-1)}$$

Sequence: A233107
Score: 3.9856
Type of gen. func.: ogf

$$-(3885 f(x) + 188)$$

$$(147 f(x) x^3 - 175 f(x) x^2 + 29 f(x) x + 112 x^2 - f(x) - 39 x + 2)$$

Sequence: A233107
Score: 4.25131
Type of gen. func.: ogf

$$\{-a(n + 3) + 29 a(n + 2) - 175 a(n + 1) + 147 a(n), a(0) = 2, a(1) = 19, a(2) = 313\}$$

Sequence: A233107
Score: 7.39358
Type of gen. func.: ogf

$$-\frac{(16 x - 1) (7 x - 2)}{(x - 1) (7 x - 1) (21 x - 1)}$$

Sequence: A233108
Score: 3.89018
Type of gen. func.: ogf

$$-\frac{7230 x^4 - 8295 x^3 + 2937 x^2 - 353 x + 6}{(x - 1) (27 x^2 - 18 x + 1) (335 x^2 - 92 x + 1)}$$

Sequence: A233123
Score: 11.6845
Type of gen. func.: ogf

$$-\frac{8 x - 1}{(12 x - 1) (4 x - 1)}$$

Sequence: A233123
Score: 5.96925
Type of gen. func.: ogf

2

$$-(13 f(x) + 3) (48 f(x) x - 16 f(x) x + f(x) + 8 x - 1)$$

Sequence: A233123
Score: 6.53774
Type of gen. func.: ogf

$$\{a(n + 2) - 16 a(n + 1) + 48 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A233123
Score: 7.62736
Type of gen. func.: lgdogf

$$-\frac{-384 x^2 + 96 x - 8}{-384 x^3 + 176 x^2 - 24 x + 1}$$

Sequence: A233124
Score: 4.23679
Type of gen. func.: ogf

$$(940 f(x) + 979)$$

$$(1024 f(x) x^3 - 448 f(x) x^2 + 48 f(x) x + 192 x^2 - f(x) - 64 x + 3)$$

Sequence: A233124
Score: 4.30625
Type of gen. func.: ogf

$$\{-a(n + 3) + 48 a(n + 2) - 448 a(n + 1) + 1024 a(n), a(0) = 3, a(1) = 80, a(2) = 2688\}$$

Sequence: A233124
Score: 7.50517
Type of gen. func.: ogf

$$-\frac{192 x^2 - 64 x + 3}{(8 x - 1) (128 x^2 - 40 x + 1)}$$

Sequence: A233125
Score: 4.11716
Type of gen. func.: ogf

$$-\frac{2\,(40960\,x^{3}-7168\,x^{2}+352\,x-5)}{(16\,x-1)\,(24576\,x^{3}-3840\,x^{2}+144\,x-1)}$$

Sequence: A233130
Score: 10.6558
Type of gen. func.: revogf

$$\left(\frac{3\,x}{4}+3/4+\frac{(-7\,x^{2}-6\,x+1)^{1/2}}{4}\right)x$$

Sequence: A233139
Score: 12.6602
Type of gen. func.: ogf

$$\frac{x^{3}+2\,x-1}{2\,x^{4}+x^{3}+2\,x-1}$$

Sequence: A233139
Score: 7.35498
Type of gen. func.: lgdogf

$$-\frac{-2\,x^{6}-12\,x^{4}+8\,x^{3}}{-2\,x^{7}-x^{6}-4\,x^{5}-2\,x^{4}+2\,x^{3}-4\,x^{2}+4\,x-1}$$

Sequence: A233139
Score: 8.67722
Type of gen. func.: ogf

$$-2\,f(x)\,x^{4}-f(x)\,x^{3}+x^{3}-2\,f(x)\,x+f(x)+2\,x-1$$

Sequence: A233141
Score: 5.47198
Type of gen. func.: ogf

$$-\frac{x^4 - 22 x^3 + 93 x^2 - 34 x + 2}{(x - 1) (x^2 - 6 x + 1) (x^2 - 18 x + 1)}$$

Sequence: A233149
Score: 8.66494
Type of gen. func.: ogf

$$-\frac{x^7 + 4 x^6 + 23 x^4 + 3 x^3 + 20 x^2 - 4 x + 1}{(x - 1)^4 (x + 1)^4}$$

Sequence: A233152
Score: 10.7509
Type of gen. func.: ogf

$$-\frac{24 (3 x - 2)}{18 x^2 - 15 x + 1}$$

Sequence: A233152
Score: 5.32113
Type of gen. func.: ogf

$$-(1519 f(x) + 5820) (18 f(x) x^2 - 15 f(x) x + f(x) + 72 x - 48)$$

Sequence: A233152
Score: 6.05508
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1) + 18 a(n), a(0) = 48, a(1) = 648\}$$

Sequence: A233152

Score: 7.52560
Type of gen. func.: lgdogf

$$-\frac{-54 x^2 + 72 x - 27}{-54 x^3 + 81 x^2 - 33 x + 2}$$

Sequence: A233153
Score: 3.9595
Type of gen. func.: ogf

$$-(23763 f(x) + 229792) (81 f(x) x^3 - 90 f(x) x^2 + 25 f(x) x + 432 x^2 - f(x) - 456 x + 96)$$

Sequence: A233153
Score: 4.24922
Type of gen. func.: ogf

{a(n + 3) - 25 a(n + 2) + 90 a(n + 1) - 81 a(n), a(0) = 96, a(1) = 1944,

a(2) = 40392}

Sequence: A233153
Score: 7.57470
Type of gen. func.: ogf

$$-\frac{24 (18 x^2 - 19 x + 4)}{81 x^3 - 90 x^2 + 25 x - 1}$$

Sequence: A233154
Score: 3.41655
Type of gen. func.: ogf

$$-(6705167 f(x) + 59305005) (810 f(x) x^4 - 972 f(x) x^3 + 351 f(x) x^2 + 6480 x^3 - 42 f(x) x - 6696 x^2 + f(x) + 2232 x - 192)$$

Sequence: A233154
Score: 6.18576
Type of gen. func.: ogf

$$-\frac{24\,(270\,x^3 - 279\,x^2 + 93\,x - 8)}{(3\,x - 1)\,(270\,x^3 - 234\,x^2 + 39\,x - 1)}$$

Sequence: A233156
Score: 5.00710
Type of gen. func.: ogf

{-a(n + 4) + 5 a(n + 3) - 2 a(n + 2), a(0) = 27, a(1) = 96, a(2) = 432,

a(3) = 1944}

Sequence: A233156
Score: 5.55835
Type of gen. func.: ogf

$$-(f(x) - 27)\,(2\,f(x)\,x^2 + 24\,x^3 - 5\,f(x)\,x - 6\,x^2 + f(x) + 39\,x - 27)$$

Sequence: A233156
Score: 9.46655
Type of gen. func.: ogf

$$-\frac{3\,(8\,x^3 - 2\,x^2 + 13\,x - 9)}{2\,x^2 - 5\,x + 1}$$

Sequence: A233157
Score: 5.67078
Type of gen. func.: ogf

$$-\frac{3\,(216\,x^6 - 360\,x^5 + 96\,x^4 - 186\,x^3 + 117\,x^2 - 115\,x + 27)}{6\,x^3 - 15\,x^2 + 9\,x - 1}$$

Sequence: A233162

Score: 4.63407
Type of gen. func.: ogf

$$\{-a(n+4) + 12\,a(n+3) - 44\,a(n+2) + 48\,a(n+1),\ a(0) = 1,\ a(1) = 1,\ a(2) = 3,\ a(3) = 11\}$$

Sequence: A233162
Score: 4.7386
Type of gen. func.: ogf

$$-(517\,f(x) - 652)\,(48\,f(x)\,x^3 - 44\,f(x)\,x^2 - 29\,x^3 + 12\,f(x)\,x + 35\,x^2 - f(x) - 11\,x + 1)$$

Sequence: A233162
Score: 8.40311
Type of gen. func.: ogf

$$\frac{29\,x^3 - 35\,x^2 + 11\,x - 1}{(6\,x - 1)\,(2\,x - 1)\,(4\,x - 1)}$$

Sequence: A233163
Score: 4.91803
Type of gen. func.: ogf

$$\{a(n+3) - 24\,a(n+2) + 128\,a(n+1),\ a(0) = 3,\ a(1) = 8,\ a(2) = 96\}$$

Sequence: A233163
Score: 5.79234
Type of gen. func.: lgdogf

$$-\frac{-1280\,x^2 + 192\,x - 8}{36864\,x^4 - 15104\,x^3 + 2208\,x^2 - 136\,x + 3}$$

Sequence: A233163
Score: 6.77028
Type of gen. func.: ogf

$$-128 f(x) x^2 + 24 f(x) x + 288 x^2 - f(x) - 64 x + 3$$

Sequence: A233163
Score: 8.83578
Type of gen. func.: ogf

$$\frac{288 x^2 - 64 x + 3}{(16 x - 1) (8 x - 1)}$$

Sequence: A233164
Score: 5.1923
Type of gen. func.: ogf

$$-(49 f(x) - 1051) (512 f(x) x^2 - 48 f(x) x - 3840 x^2 + f(x) + 464 x - 11)$$

Sequence: A233164
Score: 5.19231
Type of gen. func.: ogf

$$\{a(n + 3) - 48 a(n + 2) + 512 a(n + 1), a(0) = 11, a(1) = 64, a(2) = 1280\}$$

Sequence: A233164
Score: 5.82810
Type of gen. func.: lgdogf

$$- \frac{-53248 x^2 + 3584 x - 64}{1966080 x^4 - 421888 x^3 + 31744 x^2 - 992 x + 11}$$

Sequence: A233164
Score: 9.21216
Type of gen. func.: ogf

$$\frac{3840 x^2 - 464 x + 11}{(32 x - 1) (16 x - 1)}$$

Sequence: A233165
Score: 4.40608
Type of gen. func.: ogf

$$-(705 f(x) - 50224) (2048 f(x) x^2 - 96 f(x) x - 67584 x^2 + f(x) + 4096 x - 48)$$

Sequence: A233165
Score: 4.48407
Type of gen. func.: ogf

$$\{a(n + 3) - 96 a(n + 2) + 2048 a(n + 1), a(0) = 48, a(1) = 512, a(2) = 18432\}$$

Sequence: A233165
Score: 7.79538
Type of gen. func.: ogf

$$\frac{16 (4224 x^2 - 256 x + 3)}{(64 x - 1) (32 x - 1)}$$

Sequence: A233166
Score: 3.47483
Type of gen. func.: ogf

$$-(6913 f(x) - 2155756) (8192 f(x) x^2 - 192 f(x) x - 1425408 x^2 + f(x) + 41216 x - 236)$$

Sequence: A233166
Score: 3.65303
Type of gen. func.: ogf

$$\{a(n + 3) - 192 a(n + 2) + 8192 a(n + 1), a(0) = 236, a(1) = 4096, a(2) = 278528\}$$

Sequence: A233166
Score: 6.10579
Type of gen. func.: ogf

$$\frac{4\,(356352\,x^2 - 10304\,x + 59)}{(128\,x - 1)\,(64\,x - 1)}$$

Sequence: A233167
Score: 3.08566
Type of gen. func.: ogf

$$-(60417\,f(x) - 92177632)$$

$$(32768\,f(x)\,x^2 - 384\,f(x)\,x - 32636928\,x^2 + f(x) + 446464\,x - 1248)$$

Sequence: A233167
Score: 3.28968
Type of gen. func.: ogf

$$\{a(n + 3) - 384\,a(n + 2) + 32768\,a(n + 1),\ a(0) = 1248,\ a(1) = 32768,$$

$$a(2) = 4325376\}$$

Sequence: A233167
Score: 5.37907
Type of gen. func.: ogf

$$\frac{32\,(1019904\,x^2 - 13952\,x + 39)}{(256\,x - 1)\,(128\,x - 1)}$$

Sequence: A233170
Score: 3.58707
Type of gen. func.: ogf

$$(1913\,f(x) + 13867)$$

$$(16384\,f(x)\,x^3 - 2816\,f(x)\,x^2 + 128\,f(x)\,x + 4096\,x^2 - f(x) - 480\,x + 10)$$

Sequence: A233170
Score: 3.72720
Type of gen. func.: ogf

$$\{-a(n + 3) + 128\,a(n + 2) - 2816\,a(n + 1) + 16384\,a(n),\ a(0) = 10,\ a(1) = 800,$$

a(2) = 78336}

Sequence: A233170
Score: 6.27738
Type of gen. func.: ogf

$$-\frac{2\,(2048\,x^2-240\,x+5)}{(16\,x-1)\,(1024\,x^2-112\,x+1)}$$

Sequence: A233175
Score: 4.50416
Type of gen. func.: ogf

{a(n + 4) - 12 a(n + 3) + 128 a(n + 1), a(0) = 3, a(1) = 8, a(2) = 80,

a(3) = 800}

Sequence: A233175
Score: 4.82589
Type of gen. func.: ogf

$$-(f(x)-3)\,(128\,f(x)\,x^3-224\,x^3-12\,f(x)\,x+16\,x^2+f(x)+28\,x-3)$$

Sequence: A233175
Score: 7.94851
Type of gen. func.: ogf

$$\frac{224\,x^3-16\,x^2-28\,x+3}{(4\,x-1)\,(32\,x^2+8\,x-1)}$$

Sequence: A233176
Score: 3.24745
Type of gen. func.: ogf

$$(-433476669+75397028\,f(x))\,(8192\,f(x)\,x^4-3072\,f(x)\,x^3-53248\,x^4$$
$$+64\,f(x)\,x^2+20992\,x^3+32\,f(x)\,x-576\,x^2-f(x)-272\,x+11)$$

Sequence: A233176
Score: 5.54518
Type of gen. func.: ogf

$$\frac{53248 x^4 - 20992 x^3 + 576 x^2 + 272 x - 11}{(8 x - 1) (1024 x^3 - 256 x^2 - 24 x + 1)}$$

Sequence: A233191
Score: 6.17335
Type of gen. func.: ogf

$$-\frac{2 x^6 + x^4 + 2 x^2 - 1}{8 x^{12} + 8 x^9 + 18 x^8 - 12 x^7 - 4 x^6 + 8 x^5 - 5 x^4 - 4 x^3 - 4 x^2 + 1}$$

Sequence: A233196
Score: 4.80296
Type of gen. func.: ogf

$$\{a(n + 3) - 20 a(n + 2) + 64 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 36\}$$

Sequence: A233196
Score: 4.94423
Type of gen. func.: ogf

$$-(-7 + 10 f(x)) (64 f(x) x^2 - 20 f(x) x - 40 x^2 + f(x) + 17 x - 1)$$

Sequence: A233196
Score: 6.00370
Type of gen. func.: lgdogf

$$-\frac{288 x^2 - 48 x + 3}{-2560 x^4 + 1888 x^3 - 444 x^2 + 37 x - 1}$$

Sequence: A233196
Score: 8.84756
Type of gen. func.: ogf

$$\frac{40 x^2 - 17 x + 1}{(16 x - 1) (4 x - 1)}$$

Sequence: A233197
Score: 3.65401
Type of gen. func.: ogf

$$\{-a(n + 4) + 64 a(n + 3) - 960 a(n + 2) + 4096 a(n + 1), a(0) = 3, a(1) = 36, a(2) = 1440, a(3) = 62720\}$$

Sequence: A233197
Score: 3.75694
Type of gen. func.: ogf

$$-(668 f(x) - 2409) (4096 f(x) x^3 - 960 f(x) x^2 - 7168 x^3 + 64 f(x) x + 2016 x^2 - f(x) - 156 x + 3)$$

Sequence: A233197
Score: 6.42754
Type of gen. func.: ogf

$$\frac{7168 x^3 - 2016 x^2 + 156 x - 3}{(8 x - 1) (512 x^2 - 56 x + 1)}$$

Sequence: A233211
Score: 3.91424
Type of gen. func.: ogf

$$-(67133824 f(x) - 8686965) (225 f(x) x^3 - 259 f(x) x^2 + 35 f(x) x + 165 x^2 - f(x) - 47 x + 2)$$

Sequence: A233211
Score: 4.43614
Type of gen. func.: ogf

$$\{-a(n + 3) + 35 a(n + 2) - 259 a(n + 1) + 225 a(n), a(0) = 2, a(1) = 23, a(2) = 452\}$$

Sequence: A233211
Score: 7.71503
Type of gen. func.: ogf

$$-\frac{165 x^2 - 47 x + 2}{(x - 1) (25 x - 1) (9 x - 1)}$$

Sequence: A233212
Score: 3.25011
Type of gen. func.: ogf

$$-(5373913142 f(x) - 1979201207)$$

$$(2205 f(x) x^3 - 2331 f(x) x^2 + 127 f(x) x + 1680 x^2 - f(x) - 386 x + 6)$$

Sequence: A233212
Score: 3.76600
Type of gen. func.: ogf

$$\{-a(n + 3) + 127 a(n + 2) - 2331 a(n + 1) + 2205 a(n), a(0) = 6, a(1) = 376, a(2) = 35446\}$$

Sequence: A233212
Score: 6.41238
Type of gen. func.: ogf

$$-\frac{2 (840 x^2 - 193 x + 3)}{(x - 1) (105 x - 1) (21 x - 1)}$$

Sequence: A233213
Score: 3.23353

Type of gen. func.: ogf

{-a(n + 3) + 491 a(n + 2) - 22099 a(n + 1) + 21609 a(n), a(0) = 23, a(1) = 7222, a(2) = 3054973}

Sequence: A233213
Score: 5.40286
Type of gen. func.: ogf

$$-\frac{17248 x^2 - 4071 x + 23}{(x - 1) (49 x - 1) (441 x - 1)}$$

Sequence: A233218
Score: 3.46574
Type of gen. func.: ogf

-(-242349923 + 400031121 f(x))

$$(147 f(x) x^3 - 175 f(x) x^2 - 98 x^3 + 29 f(x) x + 234 x^2 - f(x) - 64 x + 3)$$

Sequence: A233218
Score: 3.58692
Type of gen. func.: ogf

{-a(n + 4) + 29 a(n + 3) - 175 a(n + 2) + 147 a(n + 1), a(0) = 3, a(1) = 23, a(2) = 376, a(3) = 7222}

Sequence: A233218
Score: 6.57601
Type of gen. func.: ogf

$$\frac{98 x^3 - 234 x^2 + 64 x - 3}{(x - 1) (7 x - 1) (21 x - 1)}$$

Sequence: A233224
Score: 5.22199
Type of gen. func.: ogf

$$-\frac{18 x^4 + 75 x^3 + 38 x^2 - 28 x + 2}{(x - 1) (2 x^2 + 5 x - 1) (14 x^2 + 15 x - 1)}$$

Sequence: A233231
Score: 6.86959
Type of gen. func.: ogf

$$-\frac{3 x^6 + 2 x^5 + 7 x^4 - 13 x^3 + 2 x^2 + x + 2}{(x - 1) (x^6 - 10 x^3 + 1)}$$

Sequence: A233234
Score: 4.01766
Type of gen. func.: ogf

$$-\frac{120 x^4 - 738 x^3 + 1179 x^2 - 287 x + 6}{(x - 1) (6 x^2 - 15 x + 1) (20 x^2 - 77 x + 1)}$$

Sequence: A233235
Score: 4.14853
Type of gen. func.: ogf

$$-\frac{70 x^4 - 2703 x^3 + 12411 x^2 - 2649 x + 23}{(x - 1) (7 x^2 - 280 x + 1) (5 x^2 - 30 x + 1)}$$

Sequence: A233240
Score: 4.89598
Type of gen. func.: ogf

$$\frac{75 x^5 - 31 x^4 - 239 x^3 - 77 x^2 + 50 x - 3}{(x - 1) (6 x - 1) (x + 1) (20 x^2 + 17 x - 1)}$$

Sequence: A233247

Score: 8.95457
Type of gen. func.: ogf

$$-\frac{x^3+x^2-1}{(x^3-x^2-1)\,(x^3+2\,x^2+x-1)}$$

Sequence: A233251
Score: 11.4954
Type of gen. func.: ogf

$$-\frac{64\,x-3}{(48\,x-1)\,(8\,x-1)}$$

Sequence: A233251
Score: 5.99228
Type of gen. func.: ogf

$$-(55\,f(x)+4)\,(384\,f(x)\,x^2-56\,f(x)\,x+f(x)+64\,x-3)$$

Sequence: A233251
Score: 6.47441
Type of gen. func.: ogf

$$\{a(n+2)-56\,a(n+1)+384\,a(n),\ a(0)=3,\ a(1)=104\}$$

Sequence: A233251
Score: 6.86920
Type of gen. func.: lgdogf

$$-\frac{-24576\,x^2+2304\,x-104}{-24576\,x^3+4736\,x^2-232\,x+3}$$

Sequence: A233252
Score: 4.37344
Type of gen. func.: ogf

^{2}

$$-(140 f(x) - 31) (2304 f(x) x - 160 f(x) x + f(x) + 416 x - 10)$$

Sequence: A233252
Score: 4.80598
Type of gen. func.: ogf

$$\{a(n + 2) - 160 a(n + 1) + 2304 a(n), a(0) = 10, a(1) = 1184\}$$

Sequence: A233252
Score: 8.25177
Type of gen. func.: ogf

$$-\frac{2 (208 x - 5)}{(144 x - 1) (16 x - 1)}$$

Sequence: A233253
Score: 3.23896
Type of gen. func.: ogf

$$\{-a(n + 3) + 512 a(n + 2) - 33792 a(n + 1) + 589824 a(n), a(0) = 36,$$

$$a(1) = 13952, a(2) = 6049792\}$$

Sequence: A233253
Score: 5.35827
Type of gen. func.: ogf

$$-\frac{4 (30720 x^2 - 1120 x + 9)}{(32 x - 1) (18432 x^2 - 480 x + 1)}$$

Sequence: A233257
Score: 5.26750
Type of gen. func.: ogf

$$\{a(n + 3) - 16 a(n + 2) + 48 a(n + 1), a(0) = 3, a(1) = 10, a(2) = 104\}$$

Sequence: A233257
Score: 5.47206

Type of gen. func.: ogf

$$-(-11 + 12 f(x)) (48 f(x) x^2 - 16 f(x) x - 88 x^2 + f(x) + 38 x - 3)$$

Sequence: A233257
Score: 6.55374
Type of gen. func.: lgdogf

$$-\frac{416 x^2 - 112 x + 10}{-4224 x^4 + 3232 x^3 - 840 x^2 + 86 x - 3}$$

Sequence: A233257
Score: 9.88811
Type of gen. func.: ogf

$$\frac{88 x^2 - 38 x + 3}{(12 x - 1) (4 x - 1)}$$

Sequence: A233258
Score: 3.22696
Type of gen. func.: ogf

$\{-a(n + 5) + 48 a(n + 4) - 448 a(n + 3) + 1024 a(n + 2), a(0) = 11, a(1) = 136,$

$a(2) = 4672, a(3) = 166400, a(4) = 6049792\}$

Sequence: A233258
Score: 3.56889
Type of gen. func.: ogf

$$(58 f(x) + 47855) (1024 f(x) x^3 + 16384 x^4 - 448 f(x) x^2 - 8192 x^3 + 48 f(x) x + 3072 x^2 - f(x) - 392 x + 11)$$

Sequence: A233258
Score: 5.61356
Type of gen. func.: ogf

$$-\frac{16384 x^4 - 8192 x^3 + 3072 x^2 - 392 x + 11}{(8 x - 1) (128 x^2 - 40 x + 1)}$$

Sequence: A233289
Score: 4.77997
Type of gen. func.: ogf

$$-\frac{x^7 - x^6 + x^5 - x^4 + 4 x^3 + 2 x^2 + x - 1}{(x - 1) (x^9 + 3 x^7 - x^6 + 6 x^5 + 17 x^4 + 15 x^3 + 2 x^2 + 2 x - 1)}$$

Sequence: A233325
Score: 10.0347
Type of gen. func.: lgdogf

$$-\frac{-36 x^2 - 12 x + 13}{-36 x^3 + 36 x^2 + x - 1}$$

Sequence: A233325
Score: 15.3865
Type of gen. func.: ogf

$$\frac{6 x + 1}{(6 x - 1) (x - 1)}$$

Sequence: A233325
Score: 7.95855
Type of gen. func.: ogf

$$(79 f(x) + 90) (6 f(x) x^2 - 7 f(x) x + f(x) - 6 x - 1)$$

Sequence: A233325
Score: 8.34208
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) - 6 a(n), a(0) = 1, a(1) = 13\}$$

Sequence: A233326
Score: 14.8843
Type of gen. func.: ogf

$$\frac{7 x + 1}{(7 x - 1) (x - 1)}$$

Sequence: A233326
Score: 7.52579
Type of gen. func.: ogf

$$(106 f(x) + 119) (7 f(x) x^2 - 8 f(x) x + f(x) - 7 x - 1)$$

Sequence: A233326
Score: 8.06981
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 7 a(n), a(0) = 1, a(1) = 15\}$$

Sequence: A233326
Score: 9.70716
Type of gen. func.: lgdogf

$$-\frac{-49 x^2 - 14 x + 15}{-49 x^3 + 49 x^2 + x - 1}$$

Sequence: A233328
Score: 10.2367
Type of gen. func.: lgdogf

$$-\frac{-64 x^2 - 16 x + 17}{-64 x^3 + 64 x^2 + x - 1}$$

Sequence: A233328
Score: 15.6962
Type of gen. func.: ogf

$$\frac{8 x + 1}{(8 x - 1) (x - 1)}$$

Sequence: A233328
Score: 7.93628
Type of gen. func.: ogf

$$(137 f(x) + 152) (8 f(x) x^2 - 9 f(x) x + f(x) - 8 x - 1)$$

Sequence: A233328
Score: 8.50999
Type of gen. func.: ogf

$$\{-a(n + 2) + 9 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 17\}$$

Sequence: A233329
Score: 11.1909
Type of gen. func.: lgdogf

$$- \frac{-5 x^3 - 27 x^2 - 21 x - 7}{-x^4 - 4 x^3 + 4 x + 1}$$

Sequence: A233329
Score: 8.90458
Type of gen. func.: ogf

$$- \frac{x^2 + 4 x + 1}{(x + 1)^2 (x - 1)^5}$$

Sequence: A233334
Score: 9.79446
Type of gen. func.: ogf

$$-\frac{x^6 - x^5 + x^4 - x^3 + x^2 - x - 1}{(x - 1)^2}$$

Sequence: A233347
Score: 14.5595
Type of gen. func.: ogf

$$x^3 - x^2 + 1 - f(x) + f(x)^2 x$$

Sequence: A233389
Score: 4.29183
Type of gen. func.: ogf

$$f(x)^3 x^4 + 11 f(x)^3 x^3 - f(x)^3 x^2 - 6 f(x)^2 x^3 - 19 f(x)^2 x^2 + 2 f(x)^2 x + 12 f(x) x^2 + 7 f(x) x - f(x) - 8 x + 1$$

Sequence: A233402
Score: 9.26164
Type of gen. func.: ogf

$$-\frac{3 x^5 + 2 x^4 - 9 x^3 - 5 x^2 + 11 x + 9}{(x - 1)^3 (x + 1)^3}$$

Sequence: A233411
Score: 11.9896
Type of gen. func.: lgdogf

$$-\frac{12 x^2 - 4 x - 2}{4 x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A233411
Score: 17.3184
Type of gen. func.: ogf

$$\frac{2 x^2}{(2 x - 1) (2 x^2 - 1)}$$

Sequence: A233411
Score: 7.08478
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 0, a(2) = 2}

Sequence: A233411
Score: 9.6213
Type of gen. func.: ogf

$$-4 f(x) x^3 + 2 f(x) x^2 + 2 f(x) x + 2 x^2 - f(x)$$

Sequence: A233431
Score: 5.83311
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^5 + 2 x^4 + 3 x^3 + x^2 - x}{-x^6 - x^5 - x^4 - x^3 - x^2 - x - 1}$$

Sequence: A233449
Score: 5.56901
Type of gen. func.: ogf

{(-2 n - 6) a(n + 1) + (n + 5) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 3,

a(2) = 8}

Sequence: A233450
Score: 8.31219
Type of gen. func.: ogf

$$x (x^3 + x^2 - 5 x - 1)$$

$$(x - 1) (x^4 - 10 x^2 + 1)$$

Sequence: A233457
Score: 4.83252
Type of gen. func.: ogf

$$x (x + 1) (7 x^3 + 5 x^2 + 3 x + 1) (x^6 - x^5 + x^4 - x^3 + x^2 - x + 1) (x^4 + 1) / ((x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^8 - x^7 + x^5 - x^4 + x^3 - x + 1) (x - 1)^2)$$

Sequence: A233474
Score: 7.01924
Type of gen. func.: ogf

$$- \frac{x^4 + 3 x^3 + 10 x^2 + 3 x + 1}{(x - 1) (x^2 + 6 x - 1) (x^2 - 6 x - 1)}$$

Sequence: A233481
Score: 13.4808
Type of gen. func.: lgdegf]

$$- \frac{3 x - 2}{2 x^2 - 3 x + 1}$$

Sequence: A233481
Score: 29.0041
Type of gen. func.: lgdegf]

$$- \frac{3 x - 2}{2 x^2 - 3 x + 1}$$

Sequence: A233481
Score: 3.63527

Type of gen. func.: ogf

$$\{(-2 n^3 - 13 n^2 - 27 n - 18) a(n + 1) + (3 n^2 + 14 n + 15) a(n + 2) + (-2 - n) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 4\}$$

Sequence: A233481
Score: 7.61268
Type of gen. func.: egf]

$$-2 f(x)^2 x^3 + 5 f(x)^2 x^2 - 4 f(x)^2 x + f(x)^2 - x^2$$

Sequence: A233490
Score: 6.08132
Type of gen. func.: ogf

$$-\frac{2028 x^3 - 14118 x^2 + 809 x + 16928}{(x + 1) (3 x^3 - 24 x^2 + 26 x - 1)}$$

Sequence: A233522
Score: 11.8982
Type of gen. func.: lgdogf

$$-\frac{9 x^8 - 4 x^3 - 1}{x^9 - x^4 - x + 1}$$

Sequence: A233522
Score: 21.8671
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (x + 1) (x^2 + 1) (x^2 - x + 1) (x^3 + x^2 - 1)}$$

Sequence: A233581
Score: 12.1934
Type of gen. func.: ogf

$$-\frac{2x^2 - 2x + 1}{x^3 - 3x^2 + 2x - 1}$$

Sequence: A233581
Score: 6.70086
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 0, a(2) = -1\}$$

Sequence: A233581
Score: 6.70087
Type of gen. func.: ogf

$$(4 f(x) - 5) (f(x) x^3 - 3 f(x) x^2 + 2 f(x) x + 2 x^2 - f(x) - 2 x + 1)$$

Sequence: A233581
Score: 7.99781
Type of gen. func.: lgdogf

$$-\frac{2x^4 - 4x^3 + 5x^2 - 2x}{2x^5 - 8x^4 + 11x^3 - 9x^2 + 4x - 1}$$

Sequence: A233583
Score: 12.5106
Type of gen. func.: ogf

$$\frac{x^3 - 2x + 2}{(x - 1)^2}$$

Sequence: A233583
Score: 5.81632
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) + a(n + 2), a(0) = 2, a(1) = 2, a(2) = 2, a(3) = 3\}$$

Sequence: A233583
Score: 7.12968
Type of gen. func.: ogf

$$(f(x) + 2) (f(x) x^2 - x^3 - 2 f(x) x + f(x) + 2 x - 2)$$

Sequence: A233583
Score: 8.28825
Type of gen. func.: lgdogf

$$- \frac{-x^3 + 3 x^2 - 2 x + 2}{x^4 - x^3 - 2 x^2 + 4 x - 2}$$

Sequence: A233611
Score: 5.76785
Type of gen. func.: ogf

$$- \frac{8 (4056 x^3 - 7280 x^2 - 1632 x + 2133)}{(2 x - 1) (24 x^3 - 32 x^2 - 24 x + 1)}$$

Sequence: A233628
Score: 5.29451
Type of gen. func.: ogf

$$- \frac{2 (295 x^4 - 389 x^3 - 253 x^2 + 108 x + 50)}{37 x^5 - 55 x^4 - 27 x^3 + 19 x^2 + 5 x - 1}$$

Sequence: A233637
Score: 14.1431
Type of gen. func.: ogf

$$- \frac{6 (7 x + 4)}{6 x^2 + 2 x - 1}$$

Sequence: A233637
Score: 6.92422
Type of gen. func.: ogf

$$-(316 f(x) - 1959) (6 f(x) x^2 + 2 f(x) x - f(x) + 42 x + 24)$$

Sequence: A233637
Score: 7.91338
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) - 6 a(n), a(0) = 24, a(1) = 90\}$$

Sequence: A233637
Score: 9.63368
Type of gen. func.: lgdogf

$$-\frac{-42 x^2 - 48 x - 15}{-42 x^3 - 38 x^2 - x + 4}$$

Sequence: A233638
Score: 4.13474
Type of gen. func.: ogf

$$-\frac{2 (17 x^6 - 405 x^5 + 619 x^4 + 312 x^3 - 505 x^2 - 3 x + 45)}{2 x^7 - 48 x^6 + 81 x^5 + 26 x^4 - 67 x^3 + 9 x^2 + 6 x - 1}$$

Sequence: A233656
Score: 10.1626
Type of gen. func.: lgdogf

$$-\frac{-3 x^3 - 15 x^2 + 13 x - 3}{-3 x^4 - 2 x^3 + 10 x^2 - 6 x + 1}$$

Sequence: A233656
Score: 13.8278
Type of gen. func.: ogf

$$\frac{x^2 + 2 x - 1}{(3 x - 1) (x - 1)^2}$$

Sequence: A233656
Score: 7.53122
Type of gen. func.: ogf

$$(14 f(x) - 1) (3 f(x) x^3 - 7 f(x) x^2 + 5 f(x) x - x^2 - f(x) - 2 x + 1)$$

Sequence: A233656
Score: 7.53123
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 7 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 3, a(2) = 7\}$$

Sequence: A233657
Score: 4.66726
Type of gen. func.: ogf

$$\{(27 n^3 + 378 n^2 + 1761 n + 2730) a(n + 1)$$
$$+ (-4 n^3 - 62 n^2 - 290 n - 364) a(n + 2), a(0) = 1, a(1) = 10\}$$

Sequence: A233658
Score: 4.60796
Type of gen. func.: ogf

$$\{(-256 n^4 - 3200 n^3 - 14960 n^2 - 31000 n - 24024) a(n + 1)$$
$$+ (27 n^4 + 378 n^3 + 1941 n^2 + 4302 n + 3432) a(n + 2), a(0) = 1, a(1) = 7\}$$

Sequence: A233666

Score: 3.78462
Type of gen. func.: ogf

$$\{(-256 n^4 - 3456 n^3 - 17456 n^2 - 39096 n - 32760) a(n + 1) + (27 n^4 + 405 n^3 + 2220 n^2 + 5220 n + 4368) a(n + 2), a(0) = 1, a(1) = 8\}$$

Sequence: A233667
Score: 3.86420
Type of gen. func.: ogf

$$\{(-256 n^4 - 3968 n^3 - 23024 n^2 - 59272 n - 57120) a(n + 1) + (27 n^4 + 459 n^3 + 2832 n^2 + 7404 n + 6720) a(n + 2), a(0) = 1, a(1) = 10\}$$

Sequence: A233668
Score: 13.0834
Type of gen. func.: revogf

$$\frac{64 x}{(1 + (1 + 4 x)^{1/2})^6}$$

Sequence: A233668
Score: 3.35647
Type of gen. func.: ogf

$$\{(3125 n^4 + 31250 n^3 + 116875 n^2 + 193750 n + 120120) a(n + 1) + (-256 n^4 - 2944 n^3 - 12528 n^2 - 23336 n - 16016) a(n + 2), a(0) = 1, a(1) = 6\}$$

Sequence: A233669
Score: 3.40352
Type of gen. func.: ogf

$$\{(-3125 n^4 - 34375 n^3 - 141250 n^2 - 257000 n - 174720) a(n + 1)$$

4 3 2

```
     + (256 n  + 3200 n  + 14768 n  + 29704 n + 21840) a(n + 2), a(0) = 1,

    a(1) = 7}


------------------------------------------------------------------------------

Sequence:  A233675
Score: 3.9967
Type of gen. func.: ogf


                               4           3            2        3
-(1415 f(x) + 89064) (16 f(x) x  + 4 f(x) x  - 12 f(x) x  + 224 x  - f(x) x

            2
     + 112 x  + f(x) - 136 x - 48)


------------------------------------------------------------------------------

Sequence:  A233675
Score: 7.29629
Type of gen. func.: ogf


                                  3       2
                           8 (28 x  + 14 x  - 17 x - 6)
                         - ----------------------------
                               4      3       2
                           16 x  + 4 x  - 12 x  - x + 1


------------------------------------------------------------------------------

Sequence:  A233684
Score: 5.11713
Type of gen. func.: ogf


-(7181 f(x) + 28242)

             3           2                  2
    (2 f(x) x  - 5 f(x) x  - 2 f(x) x + 20 x  + f(x) - 44 x - 32)


------------------------------------------------------------------------------

Sequence:  A233684
Score: 5.46701
Type of gen. func.: ogf


{-a(n + 3) + 2 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 32, a(1) = 108,

    a(2) = 356}


------------------------------------------------------------------------------

Sequence:  A233684
Score: 9.99438
Type of gen. func.: ogf
```

$$-\frac{4 (5 x - 11 x - 8)}{2 x^3 - 5 x^2 - 2 x + 1}$$

Sequence: A233710
Score: 3.55856
Type of gen. func.: ogf

$$-\frac{4 (736 x^7 - 208 x^6 - 1324 x^5 + 96 x^4 + 725 x^3 + 78 x^2 - 111 x - 24)}{128 x^8 - 64 x^7 - 228 x^6 + 68 x^5 + 129 x^4 - 14 x^3 - 24 x^2 + 1}$$

Sequence: A233726
Score: 4.14159
Type of gen. func.: ogf

$$(1098143 f(x) - 2535160) (2 f(x) x^4 + 7 f(x) x^3 - 5 f(x) x^2 + 24 x^3 - 3 f(x) x + 88 x^2 + f(x) - 28 x - 40)$$

Sequence: A233726
Score: 7.82300
Type of gen. func.: ogf

$$-\frac{4 (6 x^3 + 22 x^2 - 7 x - 10)}{2 x^4 + 7 x^3 - 5 x^2 - 3 x + 1}$$

Sequence: A233735
Score: 4.57278
Type of gen. func.: ogf

$$-\frac{x^3 (x^{21} - x^{20} - x^{11} + x^{10} + x^9 - x^8 + x^6 - x^5 + x^3 + x^2 - x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A233744
Score: 3.73111

Type of gen. func.: ogf

$$\{(-n^2 - 7 n - 12) a(n + 1) + (-n^2 - 6 n - 8) a(n + 2) + (2 n + 8) a(n + 3) - a(n + 4), a(0) = 1, a(1) = 2, a(2) = 8, a(3) = 36\}$$

Sequence: A233745
Score: 5.57822
Type of gen. func.: ogf

$$- (2 x^{23} - 2 x^{22} + x^{13} - x^{12} + x^{10} - x^{9} + x^{8} - x^{7} + x^{6} - x^{5} + x^{4} + x^{3} - 2 x^{2} - 1) / (x - 1)^2$$

Sequence: A233746
Score: 9.48691
Type of gen. func.: ogf

$$- \frac{x^{26} - x^{25} + x^{6} - x^{3} + x^{2} + x - 3}{(x - 1)^2}$$

Sequence: A233785
Score: 5.23483
Type of gen. func.: ogf

$$(7899080 f(x) - 119040269) (40 f(x) x^4 - 18 f(x) x^2 + 528 x^3 + 144 x^2 + f(x) - 188 x - 48)$$

Sequence: A233785
Score: 8.77186
Type of gen. func.: ogf

$$- \frac{4 (132 x^3 + 36 x^2 - 47 x - 12)}{40 x^4 - 18 x^2 + 1}$$

Sequence: A233795
Score: 7.84387
Type of gen. func.: ogf

$$\frac{x^4 (x^{32} - x^{31} + x^{10} + x^7 + x^5 + x^3 + 1)}{(x + 1) (x^4 - x^2 + 1) (x^2 + 1) (x^2 - x + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A233811
Score: 5.33185
Type of gen. func.: ogf

$$- \frac{4 (1392 x^5 + 312 x^4 - 1176 x^3 - 264 x^2 + 107 x + 24)}{240 x^6 - 220 x^4 + 30 x^2 - 1}$$

Sequence: A233820
Score: 13.8076
Type of gen. func.: ogf

$$- \frac{5 (2 x^3 + 3 x^2 + x + 4)}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A233820
Score: 8.90814
Type of gen. func.: ogf

$$(1516 f(x) - 23515) (f(x) x^4 + 10 x^3 + 15 x^2 - f(x) + 5 x + 20)$$

Sequence: A233828
Score: 12.3224
Type of gen. func.: ogf

$$- \frac{x^2 + 3 x - 1}{x^3 + 2 x^2 + 2 x - 1}$$

Sequence: A233828
Score: 6.53621
Type of gen. func.: ogf

$$-(f(x) + 2) (f(x) x^3 + 2 f(x) x^2 + 2 f(x) x + x^2 - f(x) + 3 x - 1)$$

Sequence: A233828
Score: 6.71129
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) - a(n), a(0) = -1, a(1) = 1, a(2) = 1\}$$

Sequence: A233828
Score: 7.82984
Type of gen. func.: lgdogf

$$- \frac{-x^4 - 6 x^3 - x^2 + 2 x - 1}{-x^5 - 5 x^4 - 7 x^3 - 3 x^2 + 5 x - 1}$$

Sequence: A233831
Score: 11.9575
Type of gen. func.: ogf

$$- \frac{x^2 - x - 1}{x^3 - 2 x^2 - 2 x - 1}$$

Sequence: A233831
Score: 6.28798
Type of gen. func.: ogf

$$-(31 f(x) - 2) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + x^2 - f(x) - x - 1)$$

Sequence: A233831
Score: 6.51255
Type of gen. func.: ogf

$\{a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = -1, a(1) = 1, a(2) = 1\}$

Sequence: A233831
Score: 7.59798
Type of gen. func.: lgdogf

$$- \frac{-x^4 + 2 x^3 - x^2 - 6 x - 1}{-x^5 + 3 x^4 + x^3 - 3 x^2 - 3 x - 1}$$

Sequence: A233835
Score: 16.5013
Type of gen. func.: revogf

$$\frac{256 x}{(1 + (1 + 4 x)^{1/2})^8}$$

Sequence: A233838
Score: 4.03492
Type of gen. func.: ogf

$$- \frac{64 (28800 x^3 - 42720 x^2 + 188 x + 3151)}{(1 + 4 x) (128 x^3 - 224 x^2 + 60 x - 1)}$$

Sequence: A233868
Score: 5.06910
Type of gen. func.: ogf

$\{-a(n + 5) + 5 a(n + 4) - 4 a(n + 3), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 7,$

$a(4) = 31\}$

Sequence: A233868
Score: 5.40988
Type of gen. func.: ogf

$(44304 f(x) - 127573)$

$$(-12 x^4 + 4 f(x) x^2 + 5 x^3 - 5 f(x) x + 2 x^2 + f(x) + 3 x - 1)$$

Sequence: A233868
Score: 9.19680
Type of gen. func.: ogf

$$\frac{12 x^4 - 5 x^3 - 2 x^2 - 3 x + 1}{(4 x - 1) (x - 1)}$$

Sequence: A233877
Score: 5.05783
Type of gen. func.: ogf

$$- \frac{4 (64 x^5 - 172 x^4 - 86 x^3 + 280 x^2 - 18 x - 19)}{(x^2 - 3 x + 1) (12 x^4 - 20 x^2 + 1)}$$

Sequence: A233895
Score: 10.4827
Type of gen. func.: revogf

$$- \frac{-2 x^3 - 3 x^2 - x}{4 x^4 + 4 x^3 + 6 x^2 + 4 x + 1}$$

Sequence: A233897
Score: 5.20311
Type of gen. func.: ogf

$$- \frac{16 (5760 x^5 + 1280 x^4 - 1036 x^3 - 228 x^2 + 41 x + 9)}{(4 x - 1) (1 + 4 x) (20 x^2 - 1) (8 x^2 - 1)}$$

Sequence: A233921
Score: 4.66802
Type of gen. func.: ogf

$$-\frac{2\,(200\,x^5+644\,x^4+198\,x^3-403\,x^2-35\,x+49)}{(2\,x-1)\,(10\,x^5+35\,x^4+20\,x^3-13\,x^2-4\,x+1)}$$

Sequence: A233942
Score: 3.76339
Type of gen. func.: ogf

$$-(11243134\,f(x)+16270735)\,(2\,f(x)\,x^4-13\,f(x)\,x^3+3\,f(x)\,x^2+18\,x^3$$
$$+5\,f(x)\,x-112\,x^2-f(x)+6\,x+44)$$

Sequence: A233942
Score: 7.34320
Type of gen. func.: ogf

$$-\frac{2\,(9\,x^3-56\,x^2+3\,x+22)}{2\,x^4-13\,x^3+3\,x^2+5\,x-1}$$

Sequence: A233951
Score: 3.81275
Type of gen. func.: ogf

$$(383809\,f(x)-8950716)\,(6\,f(x)\,x^4+7\,f(x)\,x^3-5\,f(x)\,x^2+108\,x^3-4\,f(x)\,x$$
$$+144\,x^2+f(x)-60\,x-80)$$

Sequence: A233951
Score: 7.07425
Type of gen. func.: ogf

$$-\frac{4\,(3\,x+4)\,(9\,x^2-5)}{6\,x^4+7\,x^3-5\,x^2-4\,x+1}$$

Sequence: A233960

Score: 5.96965
Type of gen. func.: ogf

$$-\frac{4\,(56\,x^{4} - 12\,x^{3} - 126\,x^{2} - x + 12)}{(2\,x^{2} + 2\,x - 1)\,(8\,x^{3} - 12\,x^{2} - 2\,x + 1)}$$

Sequence: A233969
Score: 13.3689
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{4} - x^{3} - x^{2} - 2}{-x^{4} + 1}$$

Sequence: A233982
Score: 4.93507
Type of gen. func.: ogf

$$(43919\,f(x) - 345208)$$

$$(4\,f(x)\,x^{3} + 8\,f(x)\,x^{2} + 2\,f(x)\,x + 56\,x^{2} - f(x) + 124\,x + 56)$$

Sequence: A233982
Score: 5.23033
Type of gen. func.: ogf

$\{-a(n + 3) + 2\,a(n + 2) + 8\,a(n + 1) + 4\,a(n),\ a(0) = 56,\ a(1) = 236,$

$a(2) = 976\}$

Sequence: A233982
Score: 9.41460
Type of gen. func.: ogf

$$-\frac{4\,(14\,x^{2} + 31\,x + 14)}{4\,x^{3} + 8\,x^{2} + 2\,x - 1}$$

Sequence: A234029
Score: 3.92344
Type of gen. func.: ogf

$$-(6661 f(x) - 58934) (6 f(x) x^4 + 18 f(x) x^3 + 6 f(x) x^2 + 78 x^3 - 7 f(x) x + 240 x^2 + f(x) + 120 x - 61)$$

Sequence: A234029
Score: 7.23968
Type of gen. func.: ogf

$$-\frac{78 x^3 + 240 x^2 + 120 x - 61}{6 x^4 + 18 x^3 + 6 x^2 - 7 x + 1}$$

Sequence: A234038
Score: 4.5706
Type of gen. func.: ogf

$$-f(x) (16 f(x) x^5 - 24 f(x) x^4 + 8 f(x) x^3 + 8 x^4 + 2 f(x) x^2 - 8 x^3 - 3 f(x) x + f(x) + 2 x - 1)$$

Sequence: A234038
Score: 8.03795
Type of gen. func.: ogf

$$-\frac{8 x^4 - 8 x^3 + 2 x - 1}{(x - 1) (2 x + 1) (2 x - 1) (4 x^2 - 2 x + 1)}$$

Sequence: A234041
Score: 5.64097
Type of gen. func.: ogf

$$\{(-n^2 - 11 n - 30) a(n + 1) + (n^2 + 5 n + 6) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 10\}$$

Sequence: A234041
Score: 8.54868
Type of gen. func.: ogf

$$-\frac{x^6+x^5+2x^4+7x^3+2x^2+x+1}{(x-1)^3(x^2+x+1)^3}$$

Sequence: A234043
Score: 7.44484
Type of gen. func.: ogf

$$-\frac{14x^3+73x^2+37x+1}{(x-1)^5}$$

Sequence: A234043
Score: 7.44484
Type of gen. func.: lgdogf

$$-\frac{28x^3+261x^2+294x+42}{14x^4+59x^3-36x^2-36x-1}$$

Sequence: A234044
Score: 7.03632
Type of gen. func.: ogf

$$\frac{2x^5+x^4+x^3+x^2+2}{x^6+x^5+x^4+x^3+x^2+x+1}$$

Sequence: A234045
Score: 26.2789
Type of gen. func.: ogf_with_Euler_transform]

$$x^6-x-1$$

Sequence: A234045
Score: 7.74807
Type of gen. func.: ogf

$$-\frac{x^2 (x - 1) (x + 1)}{x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}$$

Sequence: A234046
Score: 22.6542
Type of gen. func.: ogf_with_Euler_transform]

$$x^6 - x^3 - 1$$

Sequence: A234046
Score: 8.13069
Type of gen. func.: ogf

$$-\frac{x (x - 1) (x + 1) (x^2 + 1)}{x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}$$

Sequence: A234076
Score: 4.41666
Type of gen. func.: ogf

$$-\frac{4 (352 x^5 + 240 x^4 - 588 x^3 - 416 x^2 + 23 x + 24)}{(8 x^4 - 14 x^2 + 1) (8 x^2 + 4 x - 1)}$$

Sequence: A234107
Score: 4.96062
Type of gen. func.: ogf

$$-\frac{2 (152 x^5 - 712 x^4 - 364 x^3 + 331 x^2 + 47 x - 28)}{(2 x - 1) (4 x^2 + 2 x - 1) (2 x^3 - 10 x^2 - x + 1)}$$

Sequence: A234116
Score: 3.22855
Type of gen. func.: ogf

$$-(624081385982 f(x) + 2030983237995) (5 f(x) x^4 - 26 f(x) x^3 - 4 f(x) x^2 + 85 x^3 + 10 f(x) x - 437 x^2 - f(x) - 89 x + 145)$$

Sequence: A234116
Score: 6.53305
Type of gen. func.: ogf

$$-\frac{85 x^3 - 437 x^2 - 89 x + 145}{5 x^4 - 26 x^3 - 4 x^2 + 10 x - 1}$$

Sequence: A234117
Score: 4.69240
Type of gen. func.: ogf

$$-\frac{5904 x^4 - 11213 x^3 - 13417 x^2 - 867 x + 673}{144 x^5 - 277 x^4 - 324 x^3 - 10 x^2 + 20 x - 1}$$

Sequence: A234124
Score: 4.40507
Type of gen. func.: ogf

$$-\frac{228 x^5 + 1038 x^4 + 1221 x^3 - 93 x^2 - 441 x + 91}{12 x^6 + 54 x^5 + 57 x^4 - 18 x^3 - 24 x^2 + 10 x - 1}$$

Sequence: A234133
Score: 10.1443
Type of gen. func.: ogf

$$16 (14 x^2 - x - 2)$$

$$- \frac{}{(2 x - 1) (8 x^{2} - 1)}$$

Sequence: A234133
Score: 5.48792
Type of gen. func.: ogf

$$-(f(x) - 224) (16 f(x) x^{3} - 8 f(x) x^{2} - 2 f(x) x + 224 x^{2} + f(x) - 16 x - 32)$$

Sequence: A234133
Score: 5.72245
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 8 a(n + 1) + 16 a(n), a(0) = 32, a(1) = 80, a(2) = 192\}$$

Sequence: A234134
Score: 5.42537
Type of gen. func.: ogf

$$- \frac{8 (200 x^{5} - 172 x^{4} - 122 x^{3} + 100 x^{2} + 11 x - 10)}{(2 x - 1) (x - 1) (8 x^{2} - 1) (2 x^{2} - 1)}$$

Sequence: A234135
Score: 4.89122
Type of gen. func.: ogf

$$- \frac{8 (584 x^{5} - 412 x^{4} - 362 x^{3} + 242 x^{2} + 35 x - 24)}{(2 x - 1) (x - 1) (8 x^{2} - 1) (2 x^{2} - 1)}$$

Sequence: A234136
Score: 4.87794
Type of gen. func.: ogf

$$- \frac{8 (1736 x^{5} - 1084 x^{4} - 1082 x^{3} + 646 x^{2} + 107 x - 64)}{}$$

$$(2 x - 1) (x - 1) (8 x^2 - 1) (2 x^2 - 1)$$

Sequence: A234137
Score: 4.79079
Type of gen. func.: ogf

$$- \frac{8 (4616 x^5 - 2652 x^4 - 2882 x^3 + 1610 x^2 + 287 x - 160)}{(2 x - 1) (x - 1) (8 x^2 - 1) (2 x^2 - 1)}$$

Sequence: A234138
Score: 4.77884
Type of gen. func.: ogf

$$- \frac{8 (13448 x^5 - 7324 x^4 - 8402 x^3 + 4498 x^2 + 839 x - 448)}{(2 x - 1) (x - 1) (8 x^2 - 1) (2 x^2 - 1)}$$

Sequence: A234139
Score: 4.79010
Type of gen. func.: ogf

$$- \frac{8 (35336 x^5 - 18652 x^4 - 22082 x^3 + 11546 x^2 + 2207 x - 1152)}{(2 x - 1) (x - 1) (8 x^2 - 1) (2 x^2 - 1)}$$

Sequence: A234146
Score: 3.24561
Type of gen. func.: ogf

$$- \frac{4 (1530 x^7 + 2673 x^6 - 3115 x^5 - 4199 x^4 + 697 x^3 + 858 x^2 - 40 x - 46)}{204 x^8 + 322 x^7 - 478 x^6 - 494 x^5 + 192 x^4 + 105 x^3 - 25 x^2 - 6 x + 1}$$

Sequence: A234154
Score: 4.90211
Type of gen. func.: ogf

$$(2651 f(x) - 15284) (6 f(x) x^3 + 9 f(x) x^2 - 7 f(x) x + 60 x^2 + f(x) + 96 x - 46)$$

Sequence: A234154
Score: 5.02674
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) - 9 a(n + 1) - 6 a(n), a(0) = 46, a(1) = 226, a(2) = 1108\}$$

Sequence: A234154
Score: 9.26805
Type of gen. func.: ogf

$$- \frac{2 (30 x^2 + 48 x - 23)}{6 x^3 + 9 x^2 - 7 x + 1}$$

Sequence: A234155
Score: 3.98826
Type of gen. func.: ogf

$$- \frac{2 (130 x^5 - 450 x^4 - 1539 x^3 + 299 x^2 + 703 x - 113)}{10 x^6 - 35 x^5 - 118 x^4 + 31 x^3 + 59 x^2 - 16 x + 1}$$

Sequence: A234162
Score: 3.40398
Type of gen. func.: ogf

$$(11858826859 f(x) - 345026819436) (264 f(x) x^4 + 132 f(x) x^3 - 41 f(x) x^2 + 6480 x^3 - 4 f(x) x + 4344 x^2 + f(x) - 222 x - 136)$$

Sequence: A234162
Score: 6.40096
Type of gen. func.: ogf

$$-\frac{2\,(3240\,x^3+2172\,x^2-111\,x-68)}{(33\,x^2-1)\,(8\,x^2+4\,x-1)}$$

Sequence: A234170
Score: 4.36342
Type of gen. func.: ogf

$$-\frac{8\,(98448\,x^5+13152\,x^4-22680\,x^3-2632\,x^2+567\,x+56)}{16176\,x^6-4144\,x^4+154\,x^2-1}$$

Sequence: A234177
Score: 5.22222
Type of gen. func.: ogf

$$-\frac{2\,(96\,x^4+294\,x^3+75\,x^2-186\,x+38)}{12\,x^5+36\,x^4+3\,x^3-27\,x^2+10\,x-1}$$

Sequence: A234185
Score: 3.03201
Type of gen. func.: ogf

$$-\frac{2\,(246960\,x^6-124320\,x^5-147294\,x^4+51305\,x^3+18990\,x^2-619\,x-206)}{(48\,x^3-32\,x^2-6\,x+1)\,(210\,x^4-88\,x^2+1)}$$

Sequence: A234210
Score: 4.85221
Type of gen. func.: ogf

$(42722729\,f(x)-1624792439)$

$(112\,f(x)\,x^4-24\,f(x)\,x^2+2048\,x^3+480\,x^2+f(x)-308\,x-72)$

Sequence: A234210
Score: 8.17213
Type of gen. func.: ogf

$$-\frac{4\,(512\,x^{3}+120\,x^{2}-77\,x-18)}{112\,x^{4}-24\,x^{2}+1}$$

Sequence: A234220
Score: 4.57616
Type of gen. func.: ogf

$$(3971\,f(x)-832708)$$

$$(80\,f(x)\,x^{3}-20\,f(x)\,x^{2}-4\,f(x)\,x+2000\,x^{2}+f(x)-20\,x-104)$$

Sequence: A234220
Score: 4.80307
Type of gen. func.: ogf

$$\{-a(n+3)+4\,a(n+2)+20\,a(n+1)-80\,a(n),\ a(0)=104,\ a(1)=436,$$

$$a(2)=1824\}$$

Sequence: A234220
Score: 8.42278
Type of gen. func.: ogf

$$-\frac{4\,(500\,x^{2}-5\,x-26)}{(4\,x-1)\,(20\,x^{2}-1)}$$

Sequence: A234221
Score: 4.14794
Type of gen. func.: ogf

$$-\frac{4\,(90000\,x^{5}-26580\,x^{4}-11976\,x^{3}+3507\,x^{2}+373\,x-109)}{(3\,x-1)\,(4\,x-1)\,(12\,x^{2}-1)\,(20\,x^{2}-1)}$$

Sequence: A234228
Score: 4.21524
Type of gen. func.: ogf

$$-\frac{4\,(1033800\,x^5 + 110640\,x^4 - 126860\,x^3 - 13696\,x^2 + 1315\,x + 142)}{(90\,x^2 - 1)\,(744\,x^4 - 92\,x^2 + 1)}$$

Sequence: A234249
Score: 11.7637
Type of gen. func.: lgdogf

$$-\frac{7\,x^2 + 42\,x + 14}{x^3 + 4\,x^2 - 4\,x - 1}$$

Sequence: A234249
Score: 3.76895
Type of gen. func.: ogf

$$\{(n + 4)\,a(n + 4) + (-2 + 4\,n)\,a(n + 3) + (-50 - 4\,n)\,a(n + 2)$$
$$+ (-8 - n)\,a(n + 1),\ a(0) = 15,\ a(1) = 210,\ a(2) = 1365,\ a(3) = 5985\}$$

Sequence: A234249
Score: 6.47002
Type of gen. func.: ogf

$$-\frac{15\,(x^2 + 5\,x + 1)}{(x - 1)^9}$$

Sequence: A234250
Score: 6.84486
Type of gen. func.: ogf

$$\frac{x\,(x^4 - 3\,x^3 + 2\,x^2 + x - 16)}{(x - 1)^7}$$

Sequence: A234250
Score: 7.99697
Type of gen. func.: lgdogf

$$-\frac{-3\,x^4 + 8\,x^3 - x^2 - 10\,x + 111}{-x^5 + 4\,x^4 - 5\,x^3 + x^2 + 17\,x - 16}$$

Sequence: A234253
Score: 3.84700
Type of gen. func.: ogf

$$\{(-n^2 - 22\,n - 121)\,a(n + 1) + (2\,n^2 + 28\,n + 130)\,a(n + 2) + (-n^2 - 6\,n - 9)\,a(n + 3),\ a(0) = 1,\ a(1) = 82,\ a(2) = 2107\}$$

Sequence: A234255
Score: 13.5156
Type of gen. func.: ogf

$$-\frac{x\,(3\,x^3 - 3\,x^2 + x + 2)}{(x^2 - x + 1)\,(x - 1)}$$

Sequence: A234255
Score: 6.89958
Type of gen. func.: ogf

$$\{a(n + 5) - 2\,a(n + 4) + 2\,a(n + 3) - a(n + 2),\ a(0) = 0,\ a(1) = 2,\ a(2) = 5,\ a(3) = 3,\ a(4) = 1\}$$

Sequence: A234255
Score: 7.70812
Type of gen. func.: ogf

$$-(9\,f(x) + 91)\,(f(x)\,x^3 + 3\,x^4 - 2\,f(x)\,x^2 - 3\,x^3 + 2\,f(x)\,x + x^2 - f(x) + 2\,x)$$

Sequence: A234259
Score: 10.7495
Type of gen. func.: ogf

$$-\frac{2 (54 x^2 - 3 x - 10)}{(2 x - 1) (6 x^2 - 1)}$$

Sequence: A234259
Score: 5.87157
Type of gen. func.: ogf

$$(37 f(x) - 6010) (12 f(x) x^3 - 6 f(x) x^2 - 2 f(x) x + 108 x^2 + f(x) - 6 x - 20)$$

Sequence: A234259
Score: 5.97195
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) - 6 a(n + 1) + 12 a(n), a(0) = 20, a(1) = 46, a(2) = 104

}

Sequence: A234260
Score: 5.72720
Type of gen. func.: ogf

$$-\frac{2 (324 x^5 - 294 x^4 - 212 x^3 + 185 x^2 + 25 x - 23)}{(2 x - 1) (x - 1) (6 x^2 - 1) (2 x^2 - 1)}$$

Sequence: A234261
Score: 5.60552
Type of gen. func.: ogf

$$-\frac{2 (876 x^5 - 666 x^4 - 580 x^3 + 421 x^2 + 71 x - 52)}{(2 x - 1) (x - 1) (6 x^2 - 1) (2 x^2 - 1)}$$

Sequence: A234262
Score: 5.19259
Type of gen. func.: ogf

$$-\frac{2\,(2268 x^5 - 1554 x^4 - 1508 x^3 + 989 x^2 + 187 x - 122)}{(2 x - 1)(x - 1)(6 x^2 - 1)(2 x^2 - 1)}$$

Sequence: A234263
Score: 5.27863
Type of gen. func.: ogf

$$-\frac{2\,(5580 x^5 - 3498 x^4 - 3716 x^3 + 2261 x^2 + 463 x - 280)}{(2 x - 1)(x - 1)(6 x^2 - 1)(2 x^2 - 1)}$$

Sequence: A234264
Score: 5.15460
Type of gen. func.: ogf

$$-\frac{2\,(13932 x^5 - 8250 x^4 - 9284 x^3 + 5381 x^2 + 1159 x - 668)}{(2 x - 1)(x - 1)(6 x^2 - 1)(2 x^2 - 1)}$$

Sequence: A234265
Score: 4.94843
Type of gen. func.: ogf

$$-\frac{2\,(33420 x^5 - 18954 x^4 - 22276 x^3 + 12469 x^2 + 2783 x - 1552)}{(2 x - 1)(x - 1)(6 x^2 - 1)(2 x^2 - 1)}$$

Sequence: A234267
Score: 14.3778
Type of gen. func.: ogf

$$-\frac{x - 1}{(2 x - 1)(x^3 - 6 x^2 + 5 x - 1)}$$

Sequence: A234267
Score: 6.81055
Type of gen. func.: ogf

$$-(73707 f(x) - 644)$$

$$(2 f(x) x^4 - 13 f(x) x^3 + 16 f(x) x^2 - 7 f(x) x + f(x) + x - 1)$$

Sequence: A234267
Score: 8.88043
Type of gen. func.: lgdogf

$$-\frac{6 x^4 - 34 x^3 + 55 x^2 - 32 x + 6}{2 x^5 - 15 x^4 + 29 x^3 - 23 x^2 + 8 x - 1}$$

Sequence: A234269
Score: 6.43208
Type of gen. func.: ogf

$$-4 f(x)^2 x^4 - 4 f(x)^2 x^3 - 4 f(x) x^3 + f(x)^2 x - 4 f(x) x^2 - x^3 - x^2 + f(x)$$

Sequence: A234271
Score: 10.3222
Type of gen. func.: ogf

$$\frac{x^4 + 4 x^3 + 10 x^2 + 4 x + 1}{x^4 - 2 x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A234271
Score: 6.08022
Type of gen. func.: ogf

$$(3 f(x) + 8) (f(x) x^4 - 2 f(x) x^3 - x^4 - 2 f(x) x^2 - 4 x^3 - 2 f(x) x - 10 x^2$$

$$+ f(x) - 4 x - 1)$$

Sequence: A234271
Score: 7.58729
Type of gen. func.: lgdogf

$$-\frac{-6x^6-24x^5-6x^4+6x^2+24x+6}{-x^8-2x^7+26x^5+34x^4+26x^3-2x-1}$$

Sequence: A234272
Score: 12.7187
Type of gen. func.: ogf

$$-f(x)x^2+4f(x)x+x^2-f(x)+4x+1$$

Sequence: A234272
Score: 15.8426
Type of gen. func.: lgdogf

$$-\frac{8x^2-8}{x^4-14x^2+1}$$

Sequence: A234272
Score: 17.0382
Type of gen. func.: ogf

$$\frac{x^2+4x+1}{x^2-4x+1}$$

Sequence: A234272
Score: 8.76724
Type of gen. func.: ogf

$$\{-a(n+3)+4a(n+2)-a(n+1), a(0)=1, a(1)=8, a(2)=32\}$$

Sequence: A234273
Score: 12.4538
Type of gen. func.: ogf

$$\frac{(x+1)(x^2+1)}{x^6-x^4-2x^3-x^2+1}$$

Sequence: A234274
Score: 8.49616
Type of gen. func.: ogf

$$\frac{(x^4+x^3+x^2+x+1)(x+1)}{x^4-6x^3-6x^2-6x+1}$$

Sequence: A234275
Score: 10.0425
Type of gen. func.: lgdogf

$$-\frac{-4x^3+12x^2-20x-4}{4x^4-13x^3+7x^2+x+1}$$

Sequence: A234275
Score: 13.6643
Type of gen. func.: ogf

$$-\frac{4x^3-9x^2-2x-1}{(x-1)^2}$$

Sequence: A234275
Score: 7.18556
Type of gen. func.: ogf

{-a(n + 4) + 2 a(n + 3) - a(n + 2), a(0) = 1, a(1) = 4, a(2) = 16, a(3) = 24}

Sequence: A234275
Score: 7.78996
Type of gen. func.: ogf

$$-(f(x) + 279) (f(x) x^2 + 4 x^3 - 2 f(x) x - 9 x^2 + f(x) - 2 x - 1)$$

Sequence: A234277
Score: 15.4915
Type of gen. func.: lgdogf

$$-\frac{-32 x^2 - 13 x - 5}{-4 x^3 - x^2 + 4 x + 1}$$

Sequence: A234277
Score: 9.38018
Type of gen. func.: ogf

$$-\frac{x^7 (1 + 4 x)}{(x + 1)^4 (x - 1)^5}$$

Sequence: A234279
Score: 10.9008
Type of gen. func.: lgdogf

$$-\frac{-16 x^2 + 64 x - 63}{-16 x^3 + 64 x^2 - 65 x + 2}$$

Sequence: A234279
Score: 16.2353
Type of gen. func.: ogf

$$-\frac{x - 2}{16 x^2 - 32 x + 1}$$

Sequence: A234279
Score: 8.38525
Type of gen. func.: ogf

$$(1952 f(x) + 65) (16 f(x) x^{2} - 32 f(x) x + f(x) + x - 2)$$

Sequence: A234279
Score: 8.97715
Type of gen. func.: ogf

$$\{-a(n + 2) + 32 a(n + 1) - 16 a(n), a(0) = 2, a(1) = 63\}$$

Sequence: A234290
Score: 10.6683
Type of gen. func.: lgdegf]

$$- \frac{6 x - 1 + 2 (-6 x + 1)^{1/2}}{12 x^{2} + 4 x - 1}$$

Sequence: A234290
Score: 13.3838
Type of gen. func.: egf]

$$-2 f(x)^{2} x - f(x)^{2} + 4 f(x) - 3$$

Sequence: A234292
Score: 12.7176
Type of gen. func.: egf]

$$6 f(x)^{3} x + f(x)^{3} - 9 f(x) + 8$$

Sequence: A234312
Score: 14.2949
Type of gen. func.: lgdogf

$$- \frac{10 x^{4} + 4 x}{{}^{5} \qquad {}^{2}}$$

$$2 x + 2 x - 1$$

Sequence: A234312
Score: 22.0219
Type of gen. func.: ogf

$$-\frac{1}{2 x^5 + 2 x^2 - 1}$$

Sequence: A234312
Score: 8.95398
Type of gen. func.: ogf

$$f(x) (f(x) - 1) (2 f(x) x^5 + 2 f(x) x^2 - f(x) + 1)$$

Sequence: A234319
Score: 5.02506
Type of gen. func.: ogf

$$\{-a(n + 5) + 2 a(n + 4) - a(n + 3), a(0) = 0, a(1) = 3, a(2) = 25, a(3) = -3, a(4) = -4\}$$

Sequence: A234319
Score: 5.18982
Type of gen. func.: ogf

$$(4247370 f(x) - 208306259) (-27 x^4 + f(x) x^2 + 50 x^3 - 2 f(x) x - 19 x^2 + f(x) - 3 x)$$

Sequence: A234319
Score: 9.31115
Type of gen. func.: ogf

$$\frac{x (27 x^3 - 50 x^2 + 19 x + 3)}{(x - 1)^2}$$

Sequence: A234326
Score: 4.99274
Type of gen. func.: ogf

$$(543 f(x) - 8392)$$

$$(48 f(x) x^4 - 32 f(x) x^2 + 768 x^3 + 192 x^2 + f(x) - 432 x - 80)$$

Sequence: A234326
Score: 7.75900
Type of gen. func.: ogf

$$-\frac{16 (48 x^3 + 12 x^2 - 27 x - 5)}{48 x^4 - 32 x^2 + 1}$$

Sequence: A234355
Score: 5.37032
Type of gen. func.: ogf

$$- (3 x^{17} - 7 x^{16} + 8 x^{15} + 9 x^{14} + 5 x^{12} + 4 x^{11} + 7 x^{10} + 2 x^9 + 6 x^8 + 8 x^7 + 6 x^6 + 5 x^5 + x^4 + 2 x^3 + 9 x^2 + 7) / ((x - 1) (x + 1) (x^2 + 1) (x^4 + 1) (x^8 + 1))$$

Sequence: A234381
Score: 3.65274
Type of gen. func.: ogf

$$-\frac{24 (259584 x^5 + 247936 x^4 - 20208 x^3 - 18336 x^2 - 350 x - 691)}{9216 x^6 + 8448 x^5 - 1056 x^4 - 624 x^3 + 12 x^2 - 24 x + 1}$$

Sequence: A234414
Score: 3.76342
Type of gen. func.: ogf

$$-\frac{2\,(264\,x^6+1200\,x^5+1212\,x^4-714\,x^3-711\,x^2+414\,x-53)}{24\,x^7+108\,x^6+96\,x^5-90\,x^4-57\,x^3+54\,x^2-13\,x+1}$$

Sequence: A234429
Score: 10.5795
Type of gen. func.: ogf

$$\frac{2\,x^4-x^3-x^2-x+4}{(x-1)^2}$$

Sequence: A234429
Score: 5.70299
Type of gen. func.: ogf

$\{a(n + 5) - 2\,a(n + 4) + a(n + 3), a(0) = 4, a(1) = 7, a(2) = 9, a(3) = 10,$

$a(4) = 13\}$

Sequence: A234429
Score: 7.36982
Type of gen. func.: ogf

$$(276\,f(x) + 10807)\,(-2\,x^4 + f(x)\,x^2 + x^3 - 2\,f(x)\,x + x^2 + f(x) + x - 4)$$

Sequence: A234429
Score: 9.12479
Type of gen. func.: lgdogf

$$-\frac{4\,x^4-9\,x^3+3\,x^2+3\,x-7}{-2\,x^5+3\,x^4-5\,x+4}$$

Sequence: A234436
Score: 13.8066
Type of gen. func.: ogf

$$8\,(15\,x + 4)$$

$$-\frac{}{14 x^{2} - 1}$$

Sequence: A234436
Score: 8.39594
Type of gen. func.: ogf

$$(14 f(x) - 223) (14 f(x) x^{2} - f(x) + 120 x + 32)$$

Sequence: A234436
Score: 8.51095
Type of gen. func.: lgdogf

$$-\frac{210 x^{2} + 112 x + 15}{210 x^{3} + 56 x^{2} - 15 x - 4}$$

Sequence: A234436
Score: 9.13675
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n), a(0) = 32, a(1) = 120\}$$

Sequence: A234437
Score: 4.31395
Type of gen. func.: ogf

$$-\frac{2 (420 x^{5} - 946 x^{4} - 644 x^{3} + 1493 x^{2} + 9 x - 60)}{(2 x^{2} - 5 x + 1) (16 x^{4} - 26 x^{2} + 1)}$$

Sequence: A234444
Score: 4.29305
Type of gen. func.: ogf

$$(14730202636 f(x) - 644995208747)$$

$$(344 f(x) x^{4} - 60 f(x) x^{2} + 8480 x^{3} + 1536 x^{2} + f(x) - 1120 x - 160)$$

Sequence: A234444
Score: 7.39057
Type of gen. func.: ogf

$$-\frac{32\,(265\,x^3+48\,x^2-35\,x-5)}{344\,x^4-60\,x^2+1}$$

Sequence: A234452
Score: 4.90927
Type of gen. func.: ogf

$$-\frac{8\,(6480\,x^5+1080\,x^4-5880\,x^3-832\,x^2+300\,x+35)}{1440\,x^6-1384\,x^4+100\,x^2-1}$$

Sequence: A234466
Score: 21.2552
Type of gen. func.: revogf

$$-x\,(x-1)^7$$

Sequence: A234467
Score: 13.7211
Type of gen. func.: revogf

$$\frac{512\,x}{(1+(1+4\,x)^{1/2})^9}$$

Sequence: A234483
Score: 4.73592
Type of gen. func.: ogf

$(20507\,f(x)-363168)$

$$(12\,f(x)\,x^3+9\,f(x)\,x^2-7\,f(x)\,x+192\,x^2+f(x)+192\,x-62)$$

Sequence: A234483
Score: 5.05700
Type of gen. func.: ogf

{-a(n + 3) + 7 a(n + 2) - 9 a(n + 1) - 12 a(n), a(0) = 62, a(1) = 242,

a(2) = 944}

Sequence: A234483
Score: 8.90636
Type of gen. func.: ogf

$$-\frac{2\,(96\,x^2 + 96\,x - 31)}{(4\,x - 1)\,(3\,x^2 + 3\,x - 1)}$$

Sequence: A234484
Score: 5.67762
Type of gen. func.: ogf

$$-\frac{2\,(768\,x^4 + 1920\,x^3 + 528\,x^2 - 747\,x + 121)}{(4\,x - 1)\,(2\,x^2 + 3\,x - 1)\,(3\,x^2 + 3\,x - 1)}$$

Sequence: A234491
Score: 5.08903
Type of gen. func.: ogf

$$-\frac{2\,(14760\,x^4 - 15072\,x^3 - 7103\,x^2 + 292\,x + 125)}{(56\,x^2 - 1)\,(15\,x^3 - 18\,x^2 - 5\,x + 1)}$$

Sequence: A234513
Score: 22.1939
Type of gen. func.: revogf

$$x\,(x - 1)^8$$

Sequence: A234543
Score: 5.46280
Type of gen. func.: ogf

$$-\frac{4\,(2160\,x^4 - 1822\,x^2 - 9\,x + 52)}{(6\,x - 1)\,(40\,x^4 - 34\,x^2 + 1)}$$

Sequence: A234550
Score: 5.01635
Type of gen. func.: ogf

$$-\frac{4\,(131040\,x^5 + 16560\,x^4 - 41684\,x^3 - 5516\,x^2 + 679\,x + 90)}{(60\,x^2 - 1)\,(180\,x^4 - 58\,x^2 + 1)}$$

Sequence: A234557
Score: 5.94864
Type of gen. func.: ogf

$$-\frac{2\,(3000\,x^4 - 40\,x^3 - 651\,x^2 + 5\,x + 35)}{(3\,x - 1)\,(8\,x^2 - 1)\,(10\,x^2 - 1)}$$

Sequence: A234573
Score: 22.7274
Type of gen. func.: revogf

$$-x\,(x - 1)^9$$

Sequence: A234576
Score: 5.00316
Type of gen. func.: ogf

$-(437629\,f(x) - 105534)$

$$(f(x)\,x^4 + 3\,f(x)\,x^3 + f(x)\,x^2 + x^3 + f(x)\,x + 3\,x^2 - f(x) + 3\,x + 4)$$

Sequence: A234576
Score: 9.81140
Type of gen. func.: ogf

$$-\frac{x^{3}+3x^{2}+3x+4}{x^{4}+3x^{3}+x^{2}+x-1}$$

Sequence: A234589
Score: 13.5039
Type of gen. func.: ogf

$$-\frac{x^{7}+x^{6}+1}{x^{8}+x^{7}-x^{6}+2x-1}$$

Sequence: A234589
Score: 7.58298
Type of gen. func.: lgdogf

$$-\frac{-x^{14}-2x^{13}-2x^{12}+4x^{7}-4x^{6}-2}{-x^{15}-2x^{14}+x^{12}-3x^{8}-2x^{7}+2x^{6}-2x+1}$$

Sequence: A234590
Score: 10.8206
Type of gen. func.: ogf

$$-\frac{(x^{2}+x+1)(x^{6}-x^{4}+x^{3}-x+1)}{x^{9}+x^{8}-x^{7}+2x-1}$$

Sequence: A234591
Score: 10.6744
Type of gen. func.: ogf

$$x^{9}+x^{8}+1$$

- ----------------------

10   9   8

$$x + x - x + 2 x - 1$$

Sequence: A234592
Score: 10.3935
Type of gen. func.: ogf

$$-\frac{x^{10} + x^{9} + 1}{x^{11} + x^{10} - x^{9} + 2 x - 1}$$

Sequence: A234597
Score: 10.2574
Type of gen. func.: ogf

$$-\frac{x^{3} + 5 x^{2} + 6 x + 5}{x^{4} + 3 x^{3} + x^{2} + x - 1}$$

Sequence: A234597
Score: 5.1622
Type of gen. func.: ogf

$$-(2387813 f(x) - 1027862)$$

$$(f(x) x^{4} + 3 f(x) x^{3} + f(x) x^{2} + x^{3} + f(x) x + 5 x^{2} - f(x) + 6 x + 5)$$

Sequence: A234598
Score: 4.66069
Type of gen. func.: ogf

$$(64438652 f(x) - 43273715)$$

$$(f(x) x^{4} + 3 f(x) x^{3} + f(x) x^{2} + 2 x^{3} + f(x) x + 8 x^{2} - f(x) + 9 x + 9)$$

Sequence: A234598
Score: 9.13982
Type of gen. func.: ogf

$$(x + 3) (2 x^{2} + 2 x + 3)$$

$$- \frac{\quad}{x^4 + 3 x^3 + x^2 + x - 1}$$

Sequence: A234617
Score: 7.54227
Type of gen. func.: ogf

$$- \frac{24 x^4 - 38 x^3 + 49 x^2 - 32 x + 6}{(4 x - 1) (2 x - 1)^2 (x - 1)^2}$$

Sequence: A234651
Score: 5.33450
Type of gen. func.: ogf

$$- \frac{8 (8640 x^4 - 240 x^3 - 836 x^2 + 11 x + 20)}{(4 x - 1) (20 x^2 - 1) (24 x^2 - 1)}$$

Sequence: A234659
Score: 4.69685
Type of gen. func.: ogf

$$- \frac{2 (30870 x^4 + 30765 x^3 - 6987 x^2 - 729 x + 149)}{(6 x - 1) (42 x^2 - 1) (5 x^2 + 5 x - 1)}$$

Sequence: A234667
Score: 3.63409
Type of gen. func.: ogf

$$- \frac{12 (53760 x^6 + 26880 x^5 - 35486 x^4 - 15610 x^3 + 3013 x^2 + 256 x - 41)}{(8 x - 1) (12 x^2 + 6 x - 1) (105 x^4 - 61 x^2 + 1)}$$

Sequence: A234674
Score: 5.15174
Type of gen. func.: ogf

$$(6553 f(x) - 3307592)$$

$$(120 f(x) x^4 - 22 f(x) x^2 + 4320 x^3 + 1200 x^2 + f(x) - 404 x - 112)$$

Sequence: A234674
Score: 8.12388
Type of gen. func.: ogf

$$- \frac{4 (1080 x^3 + 300 x^2 - 101 x - 28)}{(12 x^2 - 1) (10 x^2 - 1)}$$

Sequence: A234683
Score: 4.80925
Type of gen. func.: ogf

$$- \frac{4 (164640 x^5 + 33600 x^4 - 13828 x^3 - 2808 x^2 + 287 x + 58)}{(28 x^2 - 1) (20 x^2 - 1) (24 x^2 - 1)}$$

Sequence: A234697
Score: 4.90634
Type of gen. func.: ogf

$$- \frac{12 (64512 x^4 - 672 x^3 - 2970 x^2 + 15 x + 34)}{(6 x - 1) (48 x^2 - 1) (42 x^2 - 1)}$$

Sequence: A234705
Score: 3.16241
Type of gen. func.: ogf

$$- \frac{2 (3440640 x^6 - 43008 x^5 - 374080 x^4 + 3232 x^3 + 13480 x^2 - 60 x - 161)}{(5 x - 1) (28 x^2 - 1) (32 x^2 - 1) (24 x^2 - 1)}$$

Sequence: A234717
Score: 11.1517
Type of gen. func.: ogf

$$-\frac{2 x^2 + 5 x + 1}{(x + 1) (x - 1)^3}$$

Sequence: A234717
Score: 5.39886
Type of gen. func.: ogf

$$-(148864 f(x) - 1260015)$$

$$(f(x) x^4 - 2 f(x) x^3 + 2 f(x) x + 2 x^2 - f(x) + 5 x + 1)$$

Sequence: A234717
Score: 8.29580
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 - 19 x^2 - 18 x - 7}{-2 x^4 - 5 x^3 + x^2 + 5 x + 1}$$

Sequence: A234721
Score: 3.76339
Type of gen. func.: ogf

$$- 8 (645120 x^7 + 141120 x^6 - 116084 x^5 - 25400 x^4 + 6926 x^3 + 1516 x^2 - 137 x - 30) / ((4 x - 1) (1 + 4 x) (14 x^2 - 1) (20 x^2 - 1) (18 x^2 - 1))$$

Sequence: A234731
Score: 4.62401
Type of gen. func.: ogf

$$-\frac{24 (11760 x^6 - 3090 x^4 + 259 x^2 - 7)}{(4 x - 1) (12 x^2 - 1) (15 x^2 - 1) (7 x^2 - 1)}$$

Sequence: A234753
Score: 4.49567
Type of gen. func.: ogf

$$-\frac{2 (8 x^5 + 33 x^4 - 57 x^3 - 122 x^2 + 67 x + 55)}{x^6 + 4 x^5 - 8 x^4 - 16 x^3 + 10 x^2 + 8 x - 1}$$

Sequence: A234762
Score: 5.71210
Type of gen. func.: ogf

$$-\frac{4 (39 x^4 + 105 x^3 + 27 x^2 - 46 x - 14)}{10 x^5 + 25 x^4 + x^3 - 14 x^2 - x + 1}$$

Sequence: A234770
Score: 4.84110
Type of gen. func.: ogf

$$-\frac{2 (513 x^5 - 49 x^4 - 713 x^3 - 123 x^2 + 183 x + 44)}{46 x^6 - 10 x^5 - 67 x^4 - x^3 + 21 x^2 + x - 1}$$

Sequence: A234779
Score: 12.7801
Type of gen. func.: ogf

$$-\frac{4 (12 x - 19)}{4 x^2 - 7 x + 1}$$

Sequence: A234779
Score: 6.25693
Type of gen. func.: ogf

$$-(695 f(x) + 5744) (4 f(x) x^2 - 7 f(x) x + f(x) + 48 x - 76)$$

Sequence: A234779
Score: 7.06666
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) + 4 a(n), a(0) = 76, a(1) = 484\}$$

Sequence: A234779
Score: 8.00888
Type of gen. func.: lgdogf

$$- \frac{-48 x^2 + 152 x - 121}{-48 x^3 + 160 x^2 - 145 x + 19}$$

Sequence: A234780
Score: 3.38506
Type of gen. func.: ogf

$$-(187826424899 f(x) + 2840585836280)$$

$$(10 f(x) x^3 - 31 f(x) x^2 + 16 f(x) x + 360 x^2 - f(x) - 1084 x + 484)$$

Sequence: A234780
Score: 4.04023
Type of gen. func.: ogf

$$\{-a(n + 3) + 16 a(n + 2) - 31 a(n + 1) + 10 a(n), a(0) = 484, a(1) = 6660, a(2) = 91916\}$$

Sequence: A234780
Score: 7.05618
Type of gen. func.: ogf

$$- \frac{4 (90 x^2 - 271 x + 121)}{10 x^3 - 31 x^2 + 16 x - 1}$$

Sequence: A234787
Score: 4.21468
Type of gen. func.: ogf

$$-\frac{1000 (x + 1) (x^4 + 56 x^3 + 246 x^2 + 56 x + 1)}{(x - 1)^7}$$

Sequence: A234789
Score: 3.8977
Type of gen. func.: ogf

$$(882610881 f(x) + 11985669620)$$

$$(20 f(x) x^3 - 36 f(x) x^2 + 15 f(x) x + 320 x^2 - f(x) - 556 x + 204)$$

Sequence: A234789
Score: 4.33776
Type of gen. func.: ogf

$\{a(n + 3) - 15 a(n + 2) + 36 a(n + 1) - 20 a(n), a(0) = 204, a(1) = 2504,$

$a(2) = 30536\}$

Sequence: A234789
Score: 7.68403
Type of gen. func.: ogf

$$-\frac{4 (80 x^2 - 139 x + 51)}{(2 x - 1) (10 x^2 - 13 x + 1)}$$

Sequence: A234790
Score: 3.91245
Type of gen. func.: ogf

$$-\frac{8 (320 x^5 - 1659 x^4 + 8422 x^3 - 11300 x^2 + 3702 x - 313)}{40 x^6 - 208 x^5 + 1056 x^4 - 1429 x^3 + 485 x^2 - 47 x + 1}$$

Sequence: A234797
Score: 6.20827
Type of gen. func.: revegf]

$$\frac{2}{7} 7^{1/2} \arctan\left(\frac{(1 + 4 x) 7^{1/2}}{7}\right) - \frac{2}{7} 7^{1/2} \arctan\left(\frac{7^{1/2}}{7}\right)$$

Sequence: A234816
Score: 3.83875
Type of gen. func.: ogf

$$- \frac{2 (246960 x^6 - 1260 x^5 - 51948 x^4 + 189 x^3 + 3626 x^2 - 7 x - 84)}{(4 x - 1) (12 x^2 - 1) (15 x^2 - 1) (14 x^2 - 1)}$$

Sequence: A234825
Score: 4.98468
Type of gen. func.: ogf

$(887233 f(x) + 2703852)$

$(3 f(x) x^3 - 12 f(x) x^2 + 9 f(x) x + 27 x^2 - f(x) - 105 x + 69)$

Sequence: A234825
Score: 5.31979
Type of gen. func.: ogf

$\{a(n + 3) - 9 a(n + 2) + 12 a(n + 1) - 3 a(n), a(0) = 69, a(1) = 516,$

$a(2) = 3843\}$

Sequence: A234825
Score: 9.59174
Type of gen. func.: ogf

$$- \frac{3 (9 x^2 - 35 x + 23)}{3 x^3 - 12 x^2 + 9 x - 1}$$

Sequence: A234826
Score: 2.94877
Type of gen. func.: ogf

$$(479629980272881 f(x) + 1425423635650845) (9 f(x) x^4 - 93 f(x) x^3 + 102 f(x) x^2 + 243 x^3 - 23 f(x) x - 2502 x^2 + f(x) + 2661 x - 516)$$

Sequence: A234826
Score: 5.83273
Type of gen. func.: ogf

$$- \frac{3 (81 x^3 - 834 x^2 + 887 x - 172)}{9 x^4 - 93 x^3 + 102 x^2 - 23 x + 1}$$

Sequence: A234833
Score: 10.0715
Type of gen. func.: ogf

$$- \frac{24 x - 1}{192 x^2 - 68 x + 1}$$

Sequence: A234833
Score: 5.14066
Type of gen. func.: ogf

$$-(163 f(x) - 42) (192 f(x) x^2 - 68 f(x) x + f(x) + 24 x - 1)$$

Sequence: A234833
Score: 5.73842
Type of gen. func.: ogf

$$\{a(n + 2) - 68 a(n + 1) + 192 a(n), a(0) = 1, a(1) = 44\}$$

Sequence: A234833
Score: 6.40914

Type of gen. func.: lgdogf

$$-\frac{-4608 x^2 + 384 x - 44}{-4608 x^3 + 1824 x^2 - 92 x + 1}$$

Sequence: A234839
Score: 7.93613
Type of gen. func.: ogf

$$-32 f(x)^3 x^2 - 13 f(x)^3 x - 4 f(x)^3 + 4 f(x) x + 3 f(x) + 1$$

Sequence: A234875
Score: 5.80263
Type of gen. func.: ogf

$$-(100 f(x) + 141451) (4 f(x) x^4 - 5 f(x) x^2 + 72 x^3 + 32 x^2 + f(x) - 68 x - 32)$$

Sequence: A234875
Score: 9.75513
Type of gen. func.: ogf

$$-\frac{4 (18 x^3 + 8 x^2 - 17 x - 8)}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A234876
Score: 3.80425
Type of gen. func.: ogf

$$- 4 (231 x^8 + 110 x^7 - 671 x^6 - 104 x^5 + 583 x^4 + 10 x^3 - 177 x^2 + 3 x + 17) \Big/ ((x - 1) (x^2 + x - 1) (22 x^6 - 29 x^4 + 10 x^2 - 1))$$

Sequence: A234883
Score: 5.91199
Type of gen. func.: ogf

$$-\frac{8\,(73x^5+21x^4-114x^3-33x^2+34x+10)}{21x^6-37x^4+14x^2-1}$$

Sequence: A234902
Score: 10.1538
Type of gen. func.: ogf

$$\frac{7x^4+4x^3+4x^2+7x+2}{(x^4+x^3+x^2+x+1)\,(x-1)^2}$$

Sequence: A234903
Score: 13.9190
Type of gen. func.: ogf

$$\frac{4x^4+7x^3+2x^2+7x+4}{(x^4+x^3+x^2+x+1)\,(x-1)^2}$$

Sequence: A234904
Score: 11.2230
Type of gen. func.: lgdogf

$$-\frac{4x^4+11x^3+9x^2+8x+4}{2x^5+3x^4+x^3-2x^2-3x-1}$$

Sequence: A234904
Score: 17.8464
Type of gen. func.: ogf

$$\frac{3\,(x+1)\,(2x+1)}{(x^2+x+1)\,(x-1)^2}$$

Sequence: A234904

Score: 6.44160
Type of gen. func.: ogf

$$\{(-6 n - 23) a(n + 1) - 6 a(n + 2) - 6 a(n + 3) + (6 n + 17) a(n + 4), a(0) = 3, a(1) = 12, a(2) = 18, a(3) = 21\}$$

Sequence: A234904
Score: 9.07194
Type of gen. func.: ogf

$$-(192 f(x) - 3641) (f(x) x^4 - f(x) x^3 - f(x) x - 6 x^2 + f(x) - 9 x - 3)$$

Sequence: A234914
Score: 4.26427
Type of gen. func.: ogf

$$-(683 f(x) + 6700) (f(x) x^4 - 2 f(x) x^3 - 2 f(x) x^2 + 16 x^3 + 4 f(x) x - 24 x^2 - f(x) - 40 x + 40)$$

Sequence: A234914
Score: 7.89679
Type of gen. func.: ogf

$$-\frac{8 (2 x^3 - 3 x^2 - 5 x + 5)}{(x - 1) (x^3 - x^2 - 3 x + 1)}$$

Sequence: A234927
Score: 6.14170
Type of gen. func.: ogf

$$\frac{2 (4 x^8 + 8 x^7 - 4 x^6 - 78 x^5 - 68 x^4 - 32 x^3 - 69 x^2 - 44 x - 28)}{4 x^6 + 2 x^3 - 1}$$

Sequence: A234933
Score: 11.3744
Type of gen. func.: lgdogf

$$-\frac{8x^3-3x^2-8x+4}{2x^4-x^3-4x^2+4x-1}$$

Sequence: A234933
Score: 17.1689
Type of gen. func.: ogf

$$-\frac{2x^4}{(2x-1)(x-1)(x^2+x-1)}$$

Sequence: A234933
Score: 7.77736
Type of gen. func.: ogf

$$-f(x)\,(2f(x)x^4-f(x)x^3+2x^4-4f(x)x^2+4f(x)x-f(x))$$

Sequence: A234975
Score: 3.65878
Type of gen. func.: ogf

$$-\frac{2(1197x^6+2943x^5-5523x^4-479x^3+1461x^2-13x-91)}{96x^7+224x^6-480x^5-x^4+134x^3-13x^2-9x+1}$$

Sequence: A234984
Score: 3.64698
Type of gen. func.: ogf

$$-\frac{2(60x^7+324x^6-346x^5-916x^4-52x^3+375x^2+40x-45)}{(2x^2-1)(2x^6+10x^5-16x^4-23x^3+4x^2+5x-1)}$$

Sequence: A235011
Score: 6.37586

Type of gen. func.: ogf

$$-\frac{8\,(104\,x^4 + 26\,x^3 - 75\,x^2 - 11\,x + 13)}{(2\,x - 1)\,(2\,x^2 - 1)\,(4\,x^2 + x - 1)}$$

Sequence: A235012
Score: 3.96612
Type of gen. func.: ogf

$$-\frac{8\,(944\,x^7 - 584\,x^6 - 1224\,x^5 + 676\,x^4 + 517\,x^3 - 259\,x^2 - 71\,x + 33)}{(2\,x - 1)\,(x - 1)\,(2\,x^2 - 1)\,(3\,x^2 - 1)\,(4\,x^2 + x - 1)}$$

Sequence: A235019
Score: 6.30096
Type of gen. func.: ogf

$$-\frac{4\,(192\,x^5 + 48\,x^4 - 318\,x^3 - 84\,x^2 + 83\,x + 22)}{32\,x^6 - 56\,x^4 + 18\,x^2 - 1}$$

Sequence: A235049
Score: 6.29565
Type of gen. func.: ogf

$$\frac{x^2\,(10\,x^{18} - 8\,x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x + 1)\,(x^4 + x^3 + x^2 + x + 1)\,(x^4 - x^3 + x^2 - x + 1)\,(x - 1)^2}$$

Sequence: A235080
Score: 4.35851
Type of gen. func.: ogf

$$(15465\,f(x) - 95038)\,(5\,f(x)\,x^4 + 10\,f(x)\,x^3 - 6\,f(x)\,x^2 + 86\,x^3 - 2\,f(x)\,x$$

$$+ 206\,x^2 + f(x) - 14\,x - 38)$$

Sequence: A235080
Score: 7.92935
Type of gen. func.: ogf

$$-\frac{2\,(43\,x^3 + 103\,x^2 - 7\,x - 19)}{(5\,x^2 - 1)\,(x^2 + 2\,x - 1)}$$

Sequence: A235088
Score: 15.6854
Type of gen. func.: lgdogf

$$-\frac{-10\,x^3 - 10\,x^2 - 22\,x - 6}{-5\,x^4 + 2\,x^2 + 3}$$

Sequence: A235088
Score: 19.5379
Type of gen. func.: ogf

$$-\frac{5\,x^2 + 3}{(x + 1)\,(x - 1)^3}$$

Sequence: A235088
Score: 9.76896
Type of gen. func.: ogf

$$(5040\,f(x) - 26263)\,(f(x)\,x^4 - 2\,f(x)\,x^3 + 2\,f(x)\,x + 5\,x^2 - f(x) + 3)$$

Sequence: A235089
Score: 15.7519
Type of gen. func.: lgdogf

$$-\frac{-14\,x^2 - 16\,x - 10}{-7\,x^3 - 3\,x^2 + 7\,x + 3}$$

Sequence: A235089
Score: 19.9128
Type of gen. func.: ogf

$$\frac{7 x + 3}{(x + 1) (x - 1)^{2}}$$

Sequence: A235089
Score: 9.25772
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 3, a(1) = 10, a(2) = 13\}$$

Sequence: A235089
Score: 9.59434
Type of gen. func.: ogf

$$(1580 f(x) + 35963) (f(x) x^{3} - f(x) x^{2} - f(x) x + f(x) - 7 x - 3)$$

Sequence: A235091
Score: 6.09350
Type of gen. func.: ogf

$$- \frac{4 (501 x^{4} - 13 x^{3} - 250 x^{2} + 4 x + 20)}{(3 x - 1) (26 x^{4} - 13 x^{2} + 1)}$$

Sequence: A235100
Score: 4.69409
Type of gen. func.: ogf

$$- \frac{2 (648 x^{5} + 1656 x^{4} + 428 x^{3} - 741 x^{2} - 204 x + 77)}{(6 x^{2} + 3 x - 1) (6 x^{4} + 11 x^{3} - 4 x^{2} - 4 x + 1)}$$

Sequence: A235115

Score: 10.1548
Type of gen. func.: ogf

$$\{a(n+2) - 9 a(n+1) + 20 a(n), a(0) = 5, a(1) = 24\}$$

Sequence: A235115
Score: 11.5271
Type of gen. func.: lgdogf

$$-\frac{-420 x^2 + 200 x - 24}{-420 x^3 + 289 x^2 - 66 x + 5}$$

Sequence: A235115
Score: 18.1490
Type of gen. func.: ogf

$$-\frac{21 x - 5}{(5 x - 1) (4 x - 1)}$$

Sequence: A235115
Score: 9.27176
Type of gen. func.: ogf

$$-(f(x) + 31) (20 f(x) x^2 - 9 f(x) x + f(x) + 21 x - 5)$$

Sequence: A235118
Score: 14.6978
Type of gen. func.: ogf

$$-\frac{1 + 4 x}{64 x^2 + 20 x - 1}$$

Sequence: A235118
Score: 7.42794
Type of gen. func.: ogf

$$-(325 f(x) - 1) (64 f(x) x^2 + 20 f(x) x - f(x) + 4 x + 1)$$

Sequence: A235118
Score: 8.12704
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1) - 64 a(n), a(0) = 1, a(1) = 24\}$$

Sequence: A235118
Score: 9.33511
Type of gen. func.: lgdogf

$$-\frac{-256 x^2 - 128 x - 24}{-256 x^3 - 144 x^2 - 16 x + 1}$$

Sequence: A235136
Score: 3.39448
Type of gen. func.: ogf

$$\{(-2 n^2 - 9 n - 10) a(n + 1) + (-2 n^2 - 15 n - 28) a(n + 2) + (n + 2) a(n + 3) + (n + 4) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 5\}$$

Sequence: A235163
Score: 7.96495
Type of gen. func.: ogf

$$-\frac{3 x^4 - 18 x^3 - 9 x^2 + 28 x - 9}{x^5 - 6 x^4 - x^3 + 10 x^2 - 6 x + 1}$$

Sequence: A235179
Score: 6.44778
Type of gen. func.: ogf

$$-\frac{4 (95 x^5 + 30 x^4 - 424 x^3 - 144 x^2 + 53 x + 18)}{(7 x^2 - 1) (2 x^4 - 9 x^2 + 1)}$$

Sequence: A235191
Score: 5.45819
Type of gen. func.: ogf

$$-\frac{8\,(2188\,x^{5}+574\,x^{4}-1036\,x^{3}-275\,x^{2}+64\,x+17)}{(13\,x^{2}-1)\,(36\,x^{4}-17\,x^{2}+1)}$$

Sequence: A235202
Score: 3.77272
Type of gen. func.: ogf

$$(869\,x^{15}+x^{14}+9\,x^{13}+x^{12}+9\,x^{11}+x^{10}+9\,x^{9}+x^{8}+69\,x^{7}+x^{6}+9\,x^{5}+x^{4}+9\,x^{3}+x^{2}+9\,x+1)\Big/\left((x+1)\,(x^{2}+1)\,(x^{4}+1)\,(x^{8}+1)\,(x-1)^{2}\right)$$

Sequence: A235205
Score: 4.22181
Type of gen. func.: ogf

$$-\frac{4\,(4784\,x^{5}+2754\,x^{4}-2714\,x^{3}-1555\,x^{2}+113\,x+60)}{(8\,x^{2}+3\,x-1)\,(48\,x^{4}-27\,x^{2}+1)}$$

Sequence: A235216
Score: 3.90138
Type of gen. func.: ogf

$$(6560354359\,f(x)-14510651985)\,(2\,f(x)\,x^{4}+6\,f(x)\,x^{3}-9\,f(x)\,x^{2}+18\,x^{3}-6\,f(x)\,x+56\,x^{2}+f(x)-73\,x-59)$$

Sequence: A235216
Score: 7.70643
Type of gen. func.: ogf

3 2

$$-\frac{18 x + 56 x - 73 x - 59}{2 x^4 + 6 x^3 - 9 x^2 - 6 x + 1}$$

Sequence: A235224
Score: 13.3631
Type of gen. func.: ogf

$$-\frac{x (x^{29} + x^5 + x + 1)}{x - 1}$$

Sequence: A235232
Score: 3.66279
Type of gen. func.: ogf

$$-\frac{4 (528 x^7 + 933 x^6 - 2151 x^5 - 3816 x^4 + 358 x^3 + 673 x^2 - 15 x - 30)}{(3 x - 1) (3 x + 1) (2 x^2 + 3 x - 1) (3 x^4 - 12 x^2 + 1)}$$

Sequence: A235241
Score: 3.24128
Type of gen. func.: ogf

$$- 2 (20036 x^7 + 84602 x^6 - 10791 x^5 - 43251 x^4 + 1124 x^3 + 4034 x^2 - 33 x - 105) / ((17 x^2 - 1) (x^2 + 4 x - 1) (46 x^4 - 21 x^2 + 1))$$

Sequence: A235251
Score: 3.40854
Type of gen. func.: ogf

$$- 4 (3504 x^9 + 816 x^8 - 23009 x^7 - 5530 x^6 + 38712 x^5 + 9578 x^4 - 5293 x^3 - 1310 x^2 + 186 x + 46) / ((11 x^2 - 1) (6 x^4 - 17 x^2 + 1) (4 x^4 - 15 x^2 + 1))$$

Sequence: A235269
Score: 6.71973
Type of gen. func.: ogf

$$\frac{x (x^9 - 2 x^8 + x^7 - 2 x^6 - x^4 - x^2 - x - 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^3}$$

Sequence: A235271
Score: 5.76432
Type of gen. func.: ogf

$$-(23 f(x) - 100)$$

$$(24 f(x) x^4 - 10 f(x) x^2 + 480 x^3 + 192 x^2 + f(x) - 100 x - 40)$$

Sequence: A235271
Score: 9.11388
Type of gen. func.: ogf

$$- \frac{4 (5 x + 2) (24 x^2 - 5)}{(2 x + 1) (2 x - 1) (6 x^2 - 1)}$$

Sequence: A235272
Score: 3.49202
Type of gen. func.: ogf

$$- 4 (2160 x^8 - 1008 x^7 - 3078 x^6 + 966 x^5 + 1559 x^4 - 289 x^3 - 332 x^2 + 27 x$$

$$+ 25) \Big/ ((2 x - 1) (2 x + 1) (x - 1) (6 x^2 - 1) (3 x^2 - 1) (2 x^2 - 1))$$

Sequence: A235273
Score: 3.48964
Type of gen. func.: ogf

$$- 4 (5040 x^8 - 1872 x^7 - 7062 x^6 + 1698 x^5 + 3481 x^4 - 483 x^3 - 717 x^2 + 43 x$$

$$/ \qquad {}^2 \qquad {}^2 \qquad {}^2$$

$$+ 52) \Big/ ((2 x - 1) (2 x + 1) (x - 1) (6 x - 1) (3 x - 1) (2 x - 1))$$

Sequence: A235274
Score: 3.47094
Type of gen. func.: ogf

$$- 4 (13824 x^{8} - 4032 x^{7} - 19026 x^{6} + 3486 x^{5} + 9167 x^{4} - 949 x^{3} - 1841 x^{2} + 81 x + 130) \Big/ ((2 x - 1) (2 x + 1) (x - 1) (6 x^{2} - 1) (3 x^{2} - 1) (2 x^{2} - 1))$$

Sequence: A235275
Score: 3.45070
Type of gen. func.: ogf

$$- 4 (31824 x^{8} - 7344 x^{7} - 43086 x^{6} + 6138 x^{5} + 20405 x^{4} - 1623 x^{3} - 4029 x^{2} + 135 x + 280) \Big/ ((2 x - 1) (2 x + 1) (x - 1) (6 x^{2} - 1) (3 x^{2} - 1) (2 x^{2} - 1))$$

Sequence: A235282
Score: 12.1060
Type of gen. func.: ogf

$$- \frac{4 (18 x^{2} - 5)}{(2 x - 1) (3 x^{2} - 1)}$$

Sequence: A235282
Score: 6.05298
Type of gen. func.: ogf

$$-(11 f(x) - 12664) (6 f(x) x^{3} - 3 f(x) x^{2} - 2 f(x) x + 72 x^{2} + f(x) - 20)$$

Sequence: A235282
Score: 6.21089
Type of gen. func.: ogf

$$\{a(n+3) - 2\,a(n+2) - 3\,a(n+1) + 6\,a(n),\ a(0) = 20,\ a(1) = 40,\ a(2) = 68\}$$

Sequence: A235282
Score: 7.28829
Type of gen. func.: lgdogf

$$-\frac{-108\,x^4 + 54\,x^2 + 6\,x - 10}{-108\,x^5 + 54\,x^4 + 66\,x^3 - 33\,x^2 - 10\,x + 5}$$

Sequence: A235283
Score: 5.88240
Type of gen. func.: ogf

$$-\frac{4\,(84\,x^5 - 72\,x^4 - 68\,x^3 + 55\,x^2 + 13\,x - 10)}{(3\,x^2 - 1)\,(2\,x^2 - 1)\,(2\,x - 1)\,(x - 1)}$$

Sequence: A235284
Score: 5.88989
Type of gen. func.: ogf

$$-\frac{4\,(156\,x^5 - 120\,x^4 - 128\,x^3 + 92\,x^2 + 25\,x - 17)}{(3\,x^2 - 1)\,(2\,x^2 - 1)\,(2\,x - 1)\,(x - 1)}$$

Sequence: A235285
Score: 5.77664
Type of gen. func.: ogf

$$-\frac{4\,(336\,x^5 - 234\,x^4 - 278\,x^3 + 181\,x^2 + 55\,x - 34)}{(3\,x^2 - 1)\,(2\,x^2 - 1)\,(2\,x - 1)\,(x - 1)}$$

Sequence: A235286
Score: 5.71295
Type of gen. func.: ogf

$$-\frac{4\,(612\,x^5 - 396\,x^4 - 508\,x^3 + 310\,x^2 + 101\,x - 59)}{(3\,x^2 - 1)\,(2\,x^2 - 1)\,(2\,x - 1)\,(x - 1)}$$

Sequence: A235287
Score: 5.76609
Type of gen. func.: ogf

$$-\frac{4\,(1272\,x^5 - 774\,x^4 - 1058\,x^3 + 613\,x^2 + 211\,x - 118)}{(3\,x^2 - 1)\,(2\,x^2 - 1)\,(2\,x - 1)\,(x - 1)}$$

Sequence: A235288
Score: 5.45555
Type of gen. func.: ogf

$$-\frac{4\,(2316\,x^5 - 1344\,x^4 - 1928\,x^3 + 1076\,x^2 + 385\,x - 209)}{(3\,x^2 - 1)\,(2\,x^2 - 1)\,(2\,x - 1)\,(x - 1)}$$

Sequence: A235291
Score: 5.46402
Type of gen. func.: ogf

$$(43\,f(x) - 1282)$$

$$(48\,f(x)\,x^4 - 14\,f(x)\,x^2 + 768\,x^3 + 288\,x^2 + f(x) - 108\,x - 40)$$

Sequence: A235291
Score: 8.41754
Type of gen. func.: ogf

$$-\frac{4\,(192\,x^3 + 72\,x^2 - 27\,x - 10)}{(6\,x^2 - 1)\,(8\,x^2 - 1)}$$

Sequence: A235303
Score: 7.10789
Type of gen. func.: ogf

$$-\frac{2\,(1800\,x^4-511\,x^2+35)}{(3\,x-1)\,(8\,x^2-1)\,(5\,x^2-1)}$$

Sequence: A235312
Score: 5.65298
Type of gen. func.: ogf

$$-\frac{8\,(7\,x+2)\,(540\,x^4-126\,x^2+7)}{(12\,x^2-1)\,(6\,x^2-1)\,(10\,x^2-1)}$$

Sequence: A235332
Score: 12.6051
Type of gen. func.: lgdogf

$$-\frac{-2\,x^2+6\,x+23}{-2\,x^3+7\,x^2+x-6}$$

Sequence: A235332
Score: 13.4316
Type of gen. func.: ogf

$$\frac{2\,x^2-5\,x-6}{(x-1)^3}$$

Sequence: A235332
Score: 6.82774
Type of gen. func.: ogf

$$(65367\,f(x)-727537)\,(f(x)\,x^3-3\,f(x)\,x^2+3\,f(x)\,x-2\,x^2-f(x)+5\,x+6)$$

Sequence: A235332
Score: 7.18710
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 6,\ a(1) = 23,\ a(2) = 49\}$$

Sequence: A235340
Score: 20.1256
Type of gen. func.: revogf

$$x\,(x-1)^{10}$$

Sequence: A235347
Score: 11.3229
Type of gen. func.: ogf

$$-1 + f(x) + f(x)^2\,x - 3\,f(x)^3\,x$$

Sequence: A235348
Score: 11.7975
Type of gen. func.: revogf

$$-\frac{5\,x^3 + 2\,x^2 - x}{-x^2 + 1}$$

Sequence: A235348
Score: 8.58002
Type of gen. func.: ogf

$$-5\,f(x)^3\,x^2 + f(x)^2\,x^2 - 2\,f(x)^2\,x + f(x) - 1$$

Sequence: A235349
Score: 11.7166
Type of gen. func.: revogf

$$-\frac{2x^3 + x^2 - x}{-x + 1}$$

Sequence: A235349
Score: 8.82991
Type of gen. func.: ogf

$$-2 f(x)^3 - f(x)^2 + f(x) x + f(x) - x$$

Sequence: A235350
Score: 13.1019
Type of gen. func.: revogf

$$-\frac{-x^3 - 2 x^2 + x}{x^2 - 1}$$

Sequence: A235350
Score: 9.52864
Type of gen. func.: ogf

$$f(x)^3 x^2 - f(x)^2 x^2 + 2 f(x)^2 x - f(x) + 1$$

Sequence: A235351
Score: 12.7050
Type of gen. func.: revogf

$$-\frac{2x^3 + 3x^2 - x}{-x + 1}$$

Sequence: A235351
Score: 8.58002
Type of gen. func.: ogf

$$-2 f(x)^3 x^2 - 3 f(x)^2 x + f(x) x + f(x) - 1$$

Sequence: A235352
Score: 11.3229
Type of gen. func.: ogf

$$-1 + f(x) - f(x)^{2} x + 3 f(x)^{3} x$$

Sequence: A235355
Score: 24.9676
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{3} - x^{2} + 4 x + 2$$

Sequence: A235355
Score: 7.33130
Type of gen. func.: ogf

$$\frac{x (x^{2} + 1) (x^{2} + x + 1)}{(x + 1)^{3} (x - 1)^{4}}$$

Sequence: A235361
Score: 5.40246
Type of gen. func.: ogf

$$\frac{x^{13} - 2 x^{12} + x^{11} - 4 x^{8} + 7 x^{7} - 2 x^{6} - x^{5} - 3 x^{4} - 2 x^{3} - x^{2} + x - 9}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{3}}$$

Sequence: A235367
Score: 7.99992
Type of gen. func.: ogf

$$- \frac{2 x (3 x^{4} + 4 x^{3} + 10 x^{2} + 4 x + 3)}{(x + 1)^{3} (x - 1)^{5}}$$

Sequence: A235367
Score: 8.29083
Type of gen. func.: lgdogf

$$-\frac{12 x^5 + 26 x^4 + 80 x^3 + 60 x^2 + 52 x + 10}{3 x^6 + 4 x^5 + 7 x^4 - 7 x^2 - 4 x - 3}$$

Sequence: A235385
Score: 20.9919
Type of gen. func.: lgdegf]

$$\frac{\ln(x - 1) + \ln(x + 1) - \mathrm{Pi}\ I}{(x + 1)\, x^2\, (x - 1)}$$

Sequence: A235385
Score: 8.35467
Type of gen. func.: lgdegf]

$$\frac{\ln(x - 1) + \ln(x + 1) - \mathrm{Pi}\ I}{(x + 1)\, x^2\, (x - 1)}$$

Sequence: A235391
Score: 5.71111
Type of gen. func.: ogf

$$-f(x)^2 x^3 + 4 f(x)^2 x^2 - 5 f(x)^2 x - 4 f(x) x^2 + f(x)^2 + 9 f(x) x - 2 f(x) - 4 x + 1$$

Sequence: A235399
Score: 10.8690
Type of gen. func.: ogf

$$\frac{x^4 + 6 x^3 - 7 x^2 + x + 8}{(x + 1) (x - 1)^2}$$

Sequence: A235399
Score: 6.15376
Type of gen. func.: ogf

$$-(637\,f(x)-3467)$$

$$(f(x)\,x^{3}-x^{4}-f(x)\,x^{2}-6\,x^{3}-f(x)\,x+7\,x^{2}+f(x)-x-8)$$

Sequence: A235432
Score: 4.34252
Type of gen. func.: ogf

$$-\frac{216\,x^{6}-48\,x^{5}-800\,x^{4}+38\,x^{3}+596\,x^{2}+65\,x-81}{(x-1)\,(6\,x^{3}-8\,x^{2}-5\,x+1)\,(4\,x^{3}+8\,x^{2}+2\,x-1)}$$

Sequence: A235443
Score: 4.35265
Type of gen. func.: ogf

$$-\frac{2\,(8\,x^{6}+5\,x^{5}-56\,x^{4}-56\,x^{3}+58\,x^{2}+41\,x-29)}{(2\,x^{3}-3\,x^{2}-6\,x+1)\,(x^{2}+x-1)^{2}}$$

Sequence: A235451
Score: 11.1942
Type of gen. func.: ogf

$$\frac{3\,x^{2}+2\,x+1}{(x+1)\,(x^{2}+x+1)\,(x-1)^{2}}$$

Sequence: A235497
Score: 12.5913
Type of gen. func.: ogf

$$-\frac{3\,(540\,x^{10}-600\,x^{9}-7)}{{}^{2}}$$

$$(x - 1)$$

Sequence: A235497
Score: 7.86954
Type of gen. func.: lgdogf

$$-\frac{-4320 x^{10} + 9600 x^{9} - 5400 x^{8} - 14}{540 x^{11} - 1140 x^{10} + 600 x^{9} - 7 x + 7}$$

Sequence: A235498
Score: 7.15535
Type of gen. func.: ogf

$$\frac{x (x^{2} + 1) (x^{6} + x^{5} + x^{2} + x + 1)}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A235499
Score: 10.6679
Type of gen. func.: ogf

$$\frac{x (x^{4} + 6 x^{3} + x^{2} + x + 1)}{(x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A235510
Score: 7.38822
Type of gen. func.: ogf

$$-\frac{8 x^{4} + 6 x^{3} - 23 x^{2} - 6 x + 16}{(x + 1) (2 x^{2} + 3 x - 1) (x - 1)^{2}}$$

Sequence: A235534
Score: 3.39363
Type of gen. func.: ogf

$$\{(-2916 n^4 - 17496 n^3 - 38961 n^2 - 38151 n - 13860) a(n + 1)$$

$$+ (64 n^4 + 480 n^3 + 1340 n^2 + 1650 n + 756) a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A235537
Score: 8.81870
Type of gen. func.: ogf

$$- \frac{6 x^4 - 8 x^3 - 8 x^2 + 13 x + 6}{(x + 1)^2 (x - 1)^3}$$

Sequence: A235541
Score: 5.17159
Type of gen. func.: ogf

$$- \frac{32 x^6 + 24 x^5 - 68 x^4 - 38 x^3 + 51 x^2 + 16 x - 16}{(x - 1) (x + 1)^3 (2 x - 1)^3}$$

Sequence: A235549
Score: 7.11098
Type of gen. func.: ogf

$$- \frac{2 (18 x^4 - 4 x^3 - 18 x^2 + 7 x + 8)}{(2 x - 1) (2 x^2 - 1)^2}$$

Sequence: A235566
Score: 4.32064
Type of gen. func.: ogf

$$(6935 f(x) - 44896) (8 f(x) x^4 - 10 f(x) x^3 - f(x) x^2 + 32 x^3 + 4 f(x) x$$

$$- 40 x^2 - f(x) - 14 x + 16)$$

Sequence: A235566

Score: 7.85093
Type of gen. func.: ogf

$$-\frac{2\,(16\,x^3 - 20\,x^2 - 7\,x + 8)}{(2\,x - 1)\,(x - 1)\,(4\,x^2 + x - 1)}$$

Sequence: A235593
Score: 12.4127
Type of gen. func.: lgdogf

$$-\frac{4\,x^3 + 18\,x^2 + 6\,x + 7}{x^4 + 2\,x^3 - 3\,x^2 + x - 1}$$

Sequence: A235593
Score: 5.37663
Type of gen. func.: ogf

$$\{(20\,n^2 + 86\,n + 92)\,a(n + 1) + (-25\,n^2 + 41\,n + 208)\,a(n + 2)$$
$$+ (5\,n^2 - 37\,n)\,a(n + 3),\ a(0) = 0,\ a(1) = 0,\ a(2) = 0,\ a(3) = 1\}$$

Sequence: A235593
Score: 9.57552
Type of gen. func.: ogf

$$-\frac{x^3\,(x^3 + 3\,x^2 + 1)}{(x - 1)^7}$$

Sequence: A235594
Score: 6.12216
Type of gen. func.: ogf

$$-\frac{x^4 + 6\,x^3 + 5\,x + 2}{(x - 1)^9}$$

Sequence: A235594
Score: 7.65270
Type of gen. func.: lgdogf

$$-\frac{-5 x^4 - 40 x^3 - 18 x^2 - 40 x - 23}{-x^5 - 5 x^4 + 6 x^3 - 5 x^2 + 3 x + 2}$$

Sequence: A235643
Score: 10.2127
Type of gen. func.: lgdogf

$$-\frac{-49 x^2 + 56 x - 17}{-49 x^3 + 70 x^2 - 31 x + 4}$$

Sequence: A235643
Score: 15.2105
Type of gen. func.: ogf

$$-\frac{4 (7 x - 4)}{7 x^2 - 6 x + 1}$$

Sequence: A235643
Score: 7.60524
Type of gen. func.: ogf

$$-(23 f(x) + 210) (7 f(x) x^2 - 6 f(x) x + f(x) + 28 x - 16)$$

Sequence: A235643
Score: 8.51062
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 7 a(n), a(0) = 16, a(1) = 68\}$$

Sequence: A235653

Score: 4.69419
Type of gen. func.: ogf

$$(97 f(x) + 318) (4 f(x) x^4 - 8 f(x) x^3 - f(x) x^2 + 16 x^3 + 4 f(x) x - 32 x^2 - f(x) - 12 x + 16)$$

Sequence: A235653
Score: 8.34525
Type of gen. func.: ogf

$$-\frac{4 (4 x^3 - 8 x^2 - 3 x + 4)}{(2 x - 1) (2 x^3 - 3 x^2 - 2 x + 1)}$$

Sequence: A235673
Score: 5.17816
Type of gen. func.: ogf

$$-\frac{2 (8 x^5 - 11 x^4 - 42 x^3 + 31 x^2 + 42 x - 29)}{(x - 1) (x^2 + x - 1) (2 x^3 - 3 x^2 - 6 x + 1)}$$

Sequence: A235684
Score: 7.29854
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}{x^{15} + x^{12} + x^{11} + x^{10} - 2 x^9 - x^6 - x^3 - x^2 - x + 1}$$

Sequence: A235698
Score: 6.12587
Type of gen. func.: ogf

$$x (x^{35} - 5 x^{25} - 2 x^{24} + 3 x^{22} - 2 x^{21} + 3 x^{20} + 2 x^{19} - 4 x^{18} + 3 x^{17} - 2 x^{16} + x^{15} + x^{12} + x^8 - 6 x^4 + 4 x^3 + 2 x^2 + x + 1) / (x - 1)^2$$

Sequence: A235699
Score: 10.4921
Type of gen. func.: lgdogf

$$-\frac{5x^5+11x^4-2x^3+18x^2+5x+3}{5x^6-2x^5+3x^4-2x^3-3x^2-1}$$

Sequence: A235699
Score: 14.2485
Type of gen. func.: ogf

$$\frac{x(5x^3+3x^2+x+1)}{(x^2+1)(x-1)^2}$$

Sequence: A235699
Score: 6.17182
Type of gen. func.: ogf

$$\{(-5n-4)a(n)+(5n-1)a(n+1)+(-5n-4)a(n+2)$$
$$+(5n-1)a(n+3),\ a(0)=0,\ a(1)=1,\ a(2)=3,\ a(3)=7\}$$

Sequence: A235699
Score: 8.18534
Type of gen. func.: ogf

$$(5f(x)+3)$$
$$(f(x)x^4-2f(x)x^3-5x^4+2f(x)x^2-3x^3-2f(x)x-x^2+f(x)-x)$$

Sequence: A235700
Score: 11.9567
Type of gen. func.: lgdogf

$$-\frac{2x^5+6x^4-2x^3+10x^2+2x+2}{2x^6+x^3-3x^2+x-1}$$

Sequence: A235700
Score: 15.8877
Type of gen. func.: ogf

$$\frac{2 x^3 + 2 x^2 + 1}{(x^2 + 1) (x - 1)^2}$$

Sequence: A235700
Score: 5.91735
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 1) + (n + 2) a(n + 2) + (-n - 3) a(n + 3) + (n + 2) a(n + 4),$$

$$a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8\}$$

Sequence: A235700
Score: 8.99067
Type of gen. func.: ogf

$$-f(x) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - 2 x^3 - 2 f(x) x - 2 x^2 + f(x) - 1)$$

Sequence: A235701
Score: 7.91632
Type of gen. func.: ogf

$$- \frac{(x^3 + 2 x^2 - x - 1)^2}{7 x^6 - 14 x^4 + 7 x^2 - 1}$$

Sequence: A235702
Score: 15.6775
Type of gen. func.: ogf

$$-5 f(x) x + f(x) - 19 x - 1$$

Sequence: A235702

Score: 18.4914
Type of gen. func.: lgdogf

$$\frac{24}{-95 x^2 + 14 x + 1}$$

Sequence: A235702
Score: 18.9780
Type of gen. func.: ogf

$$-\frac{1 + 19 x}{5 x - 1}$$

Sequence: A235702
Score: 9.87895
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1), a(0) = 1, a(1) = 24\}$$

Sequence: A235789
Score: 8.28508
Type of gen. func.: ogf

$$-\frac{x (4 x^4 - 4 x^3 + 2 x^2 - 2 x + 1)}{(2 x^2 - 1) (2 x^2 + 1)^2}$$

Sequence: A235800
Score: 13.9359
Type of gen. func.: ogf

$$\frac{x^2 + x + 3}{(x - 1)^2 (x + 1)^2}$$

Sequence: A235800
Score: 7.63795
Type of gen. func.: ogf

$$-(7770 f(x) + 20417) (f(x) x^4 - 2 f(x) x^2 - x^2 + f(x) - x - 3)$$

Sequence: A235800
Score: 9.80674
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 3 x^2 + 14 x + 1}{x^4 + x^3 + 2 x^2 - x - 3}$$

Sequence: A235801
Score: 6.37273
Type of gen. func.: ogf

$$\frac{x (x^2 + 1) (x^3 + 2 x^2 + 1) (x^5 + x^4 + 2 x + 1)}{(x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2}$$

Sequence: A235802
Score: 18.7969
Type of gen. func.: lgdegf]

$$\frac{-2 \ln(x - 1) - \frac{2}{x - 1} + 2 + 2 I Pi}{(x - 2)^2}$$

Sequence: A235843
Score: 4.58827
Type of gen. func.: ogf

$$-\frac{4 (768 x^4 + 848 x^3 - 278 x^2 - 150 x + 39)}{192 x^5 + 192 x^4 - 94 x^3 - 31 x^2 + 14 x - 1}$$

Sequence: A235850
Score: 5.59709

Type of gen. func.: ogf

$$-\frac{4\,(512\,x^{4}-720\,x^{3}-138\,x^{2}+122\,x+25)}{128\,x^{5}-200\,x^{4}-10\,x^{3}+37\,x^{2}+2\,x-1}$$

Sequence: A235876
Score: 3.03340
Type of gen. func.: ogf

$$-\frac{3\,(24\,x^{3}-46\,x^{2}+35\,x-7)}{(x-1)\,(3\,x-1)\,(2\,x-1)\,(4\,x-1)}$$

Sequence: A235877
Score: 14.3137
Type of gen. func.: ogf

$$-\frac{3\,(18\,x-7)}{(3\,x-1)\,(2\,x-1)}$$

Sequence: A235877
Score: 7.23382
Type of gen. func.: ogf

$$-(f(x)+846)\,(6\,f(x)\,x^{2}-5\,f(x)\,x+f(x)+54\,x-21)$$

Sequence: A235877
Score: 8.00888
Type of gen. func.: ogf

$$\{a(n+2)-5\,a(n+1)+6\,a(n),\ a(0)=21,\ a(1)=51\}$$

Sequence: A235877
Score: 9.21570
Type of gen. func.: lgdogf

$$-\frac{-108\,x^{2}+84\,x-17}{}$$

$$-108 x^3 + 132 x^2 - 53 x + 7$$

Sequence: A235878
Score: 10.1371
Type of gen. func.: ogf

$$-\frac{3 (54 x^2 - 67 x + 17)}{(2 x - 1) (3 x - 1) (x - 1)}$$

Sequence: A235878
Score: 5.43346
Type of gen. func.: ogf

$$-(23 f(x) + 1179)$$

$$(6 f(x) x^3 - 11 f(x) x^2 + 6 f(x) x + 162 x^2 - f(x) - 201 x + 51)$$

Sequence: A235878
Score: 5.75580
Type of gen. func.: ogf

{-a(n + 3) + 6 a(n + 2) - 11 a(n + 1) + 6 a(n), a(0) = 51, a(1) = 105,

a(2) = 231}

Sequence: A235879
Score: 4.86487
Type of gen. func.: ogf

$$-(2126 f(x) - 450531)$$

$$(6 f(x) x^3 - 11 f(x) x^2 + 6 f(x) x + 486 x^2 - f(x) - 543 x + 129)$$

Sequence: A235879
Score: 5.31455
Type of gen. func.: ogf

{-a(n + 3) + 6 a(n + 2) - 11 a(n + 1) + 6 a(n), a(0) = 129, a(1) = 231,

a(2) = 453}

Sequence: A235879
Score: 9.30047
Type of gen. func.: ogf

$$-\frac{3\,(162\,x^2 - 181\,x + 43)}{(2\,x - 1)\,(3\,x - 1)\,(x - 1)}$$

Sequence: A235880
Score: 4.80292
Type of gen. func.: ogf

$-(4937\,f(x) - 4258611)$

$(6\,f(x)\,x^3 - 11\,f(x)\,x^2 + 6\,f(x)\,x + 1458\,x^2 - f(x) - 1497\,x + 339)$

Sequence: A235880
Score: 5.36797
Type of gen. func.: ogf

$\{-a(n + 3) + 6\,a(n + 2) - 11\,a(n + 1) + 6\,a(n),\ a(0) = 339,\ a(1) = 537,$

$a(2) = 951\}$

Sequence: A235880
Score: 9.12554
Type of gen. func.: ogf

$$-\frac{3\,(486\,x^2 - 499\,x + 113)}{(2\,x - 1)\,(3\,x - 1)\,(x - 1)}$$

Sequence: A235881
Score: 4.80239
Type of gen. func.: ogf

$-(40138\,f(x) - 82371873)$

$(6\,f(x)\,x^3 - 11\,f(x)\,x^2 + 6\,f(x)\,x + 4374\,x^2 - f(x) - 4215\,x + 921)$

Sequence: A235881
Score: 5.35803
Type of gen. func.: ogf

$\{-a(n + 3) + 6 a(n + 2) - 11 a(n + 1) + 6 a(n), a(0) = 921, a(1) = 1311,$

$a(2) = 2109\}$

Sequence: A235881
Score: 9.26174
Type of gen. func.: ogf

$$-\frac{3 (1458 x^2 - 1405 x + 307)}{(2 x - 1) (3 x - 1) (x - 1)}$$

Sequence: A235882
Score: 4.33632
Type of gen. func.: ogf

$-(723121 f(x) - 3692766507)$

$(6 f(x) x^3 - 11 f(x) x^2 + 6 f(x) x + 13122 x^2 - f(x) - 12081 x + 2571)$

Sequence: A235882
Score: 5.01165
Type of gen. func.: ogf

$\{-a(n + 3) + 6 a(n + 2) - 11 a(n + 1) + 6 a(n), a(0) = 2571, a(1) = 3345,$

$a(2) = 4911\}$

Sequence: A235882
Score: 8.37563
Type of gen. func.: ogf

$$-\frac{3 (4374 x^2 - 4027 x + 857)}{(2 x - 1) (3 x - 1) (x - 1)}$$

Sequence: A235883

```
Score: 4.13221
Type of gen. func.: ogf


-(13370445806 f(x) - 179109461635731)

             3            2                      2
    (6 f(x) x  - 11 f(x) x  + 6 f(x) x + 39366 x  - f(x) - 35103 x + 7329)



-------------------------------------------------------------------------------

Sequence:  A235883
Score: 5.07287
Type of gen. func.: ogf


{-a(n + 3) + 6 a(n + 2) - 11 a(n + 1) + 6 a(n), a(0) = 7329, a(1) = 8871,

    a(2) = 11973}



-------------------------------------------------------------------------------

Sequence:  A235883
Score: 8.54744
Type of gen. func.: ogf


                                    2
                          3 (13122 x  - 11701 x + 2443)
                        - -----------------------------
                           (2 x - 1) (3 x - 1) (x - 1)



-------------------------------------------------------------------------------

Sequence:  A235885
Score: 3.17305
Type of gen. func.: ogf


                                     2
                               8 (4 x  - 6 x + 5)
                         - ----------------------------
                           (x - 1) (2 x - 1) (4 x - 1)



-------------------------------------------------------------------------------

Sequence:  A235886
Score: 13.1369
Type of gen. func.: ogf


                                  8 (16 x - 5)
                             - -------------------
                               (4 x - 1) (2 x - 1)



-------------------------------------------------------------------------------

Sequence:  A235886
Score: 6.43442
Type of gen. func.: ogf
```

$$-(115 f(x) + 14608) (8 f(x) x^2 - 6 f(x) x + f(x) + 128 x - 40)$$

Sequence: A235886
Score: 7.41849
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 8 a(n), a(0) = 40, a(1) = 112\}$$

Sequence: A235886
Score: 8.63797
Type of gen. func.: lgdogf

$$- \frac{-128 x^2 + 80 x - 14}{-128 x^3 + 136 x^2 - 46 x + 5}$$

Sequence: A235887
Score: 4.87434
Type of gen. func.: ogf

$$-(1419 f(x) + 265952)$$

$$(8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x + 512 x^2 - f(x) - 552 x + 112)$$

Sequence: A235887
Score: 5.32490
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) - 14 a(n + 1) + 8 a(n), a(0) = 112, a(1) = 232,$$

$$a(2) = 568\}$$

Sequence: A235887
Score: 9.31857
Type of gen. func.: ogf

$$- \frac{8 (64 x^2 - 69 x + 14)}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A235888
Score: 4.78763
Type of gen. func.: ogf

$$-(1563 f(x) + 1352288)$$

$$(8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x + 2048 x^2 - f(x) - 1896 x + 352)$$

Sequence: A235888
Score: 5.30628
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) - 14 a(n + 1) + 8 a(n), a(0) = 352, a(1) = 568,$$

$$a(2) = 1096\}$$

Sequence: A235888
Score: 9.09649
Type of gen. func.: ogf

$$- \frac{8 (256 x^2 - 237 x + 44)}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A235889
Score: 4.75021
Type of gen. func.: ogf

$$-(27555 f(x) - 40345504)$$

$$(8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x + 8192 x^2 - f(x) - 6888 x + 1216)$$

Sequence: A235889
Score: 5.29530
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) - 14 a(n + 1) + 8 a(n), a(0) = 1216, a(1) = 1624,$$

$$a(2) = 2536\}$$

Sequence: A235889
Score: 9.09897
Type of gen. func.: ogf

$$-\frac{8\,(1024\,x^{2} - 861\,x + 152)}{(x - 1)\,(2\,x - 1)\,(4\,x - 1)}$$

Sequence: A235890
Score: 4.6256
Type of gen. func.: ogf

$$-(617811\,f(x) - 3941570464)$$

$$(8\,f(x)\,x^{3} - 14\,f(x)\,x^{2} + 7\,f(x)\,x + 32768\,x^{2} - f(x) - 26088\,x + 4480)$$

Sequence: A235890
Score: 5.34598
Type of gen. func.: ogf

$\{-a(n + 3) + 7\,a(n + 2) - 14\,a(n + 1) + 8\,a(n), a(0) = 4480, a(1) = 5272,$

$a(2) = 6952\}$

Sequence: A235890
Score: 8.93437
Type of gen. func.: ogf

$$-\frac{8\,(4096\,x^{2} - 3261\,x + 560)}{(x - 1)\,(2\,x - 1)\,(4\,x - 1)}$$

Sequence: A235891
Score: 4.09365
Type of gen. func.: ogf

$$-(11305779\,f(x) - 269755930528)$$

$$(8\,f(x)\,x^{3} - 14\,f(x)\,x^{2} + 7\,f(x)\,x + 131072\,x^{2} - f(x) - 101352\,x + 17152)$$

Sequence: A235891

Score: 4.84687
Type of gen. func.: ogf

$$\{-a(n+3) + 7\,a(n+2) - 14\,a(n+1) + 8\,a(n),\ a(0) = 17152,\ a(1) = 18712,\ a(2) = 21928\}$$

Sequence: A235891
Score: 7.97183
Type of gen. func.: ogf

$$-\frac{8\,(16384\,x^2 - 12669\,x + 2144)}{(x-1)\,(2\,x-1)\,(4\,x-1)}$$

Sequence: A235892
Score: 4.05264
Type of gen. func.: ogf

$$-(191478003\,f(x) - 17514245429152)$$

$$(8\,f(x)\,x^3 - 14\,f(x)\,x^2 + 7\,f(x)\,x + 524288\,x^2 - f(x) - 399336\,x + 67072)$$

Sequence: A235892
Score: 4.89559
Type of gen. func.: ogf

$$\{-a(n+3) + 7\,a(n+2) - 14\,a(n+1) + 8\,a(n),\ a(0) = 67072,\ a(1) = 70168,\ a(2) = 76456\}$$

Sequence: A235892
Score: 8.05196
Type of gen. func.: ogf

$$-\frac{8\,(65536\,x^2 - 49917\,x + 8384)}{(x-1)\,(2\,x-1)\,(4\,x-1)}$$

Sequence: A235895
Score: 5.23689
Type of gen. func.: ogf

$(645 f(x) - 3337)$

$$(8 f(x) x^3 + 10 f(x) x^2 - 7 f(x) x + 72 x^2 + f(x) + 106 x - 33)$$

Sequence: A235895
Score: 5.37003
Type of gen. func.: ogf

$\{-a(n + 3) + 7 a(n + 2) - 10 a(n + 1) - 8 a(n), a(0) = 33, a(1) = 125,$

$a(2) = 473\}$

Sequence: A235895
Score: 9.60095
Type of gen. func.: ogf

$$- \frac{72 x^2 + 106 x - 33}{(2 x^2 + 3 x - 1) (4 x - 1)}$$

Sequence: A235896
Score: 5.17906
Type of gen. func.: ogf

$$- \frac{3888 x^4 + 5760 x^3 + 432 x^2 - 984 x + 125}{(6 x - 1) (6 x^2 + 3 x - 1) (4 x^2 + 4 x - 1)}$$

Sequence: A235897
Score: 3.51213
Type of gen. func.: ogf

$$- \frac{870912 x^6 + 1110848 x^5 + 178736 x^4 - 132224 x^3 - 11784 x^2 + 6668 x - 473}{(6 x - 1) (2 x + 1) (8 x - 1) (14 x^2 + 3 x - 1) (8 x^2 + 6 x - 1)}$$

Sequence: A235904
Score: 4.48789
Type of gen. func.: ogf

$$-(110 f(x) + 433)$$

$$(8 f(x) x^3 - 20 f(x) x^2 - 2 f(x) x + 72 x^2 + f(x) - 164 x - 48)$$

Sequence: A235904
Score: 4.67646
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 20 a(n + 1) - 8 a(n), a(0) = 48, a(1) = 260, a(2) = 1408\}$$

Sequence: A235904
Score: 8.43180
Type of gen. func.: ogf

$$-\frac{4 (18 x^2 - 41 x - 12)}{8 x^3 - 20 x^2 - 2 x + 1}$$

Sequence: A235905
Score: 4.67094
Type of gen. func.: ogf

$$-\frac{2 (2592 x^4 + 60 x^3 - 4808 x^2 + 269 x + 130)}{192 x^5 - 24 x^4 - 368 x^3 + 58 x^2 + 8 x - 1}$$

Sequence: A235921
Score: 12.3601
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 210 x + 210$$

Sequence: A235921
Score: 16.9005
Type of gen. func.: ogf

$$\frac{210 (x + 1)}{(x - 1)^{2}}$$

Sequence: A235921
Score: 18.8210
Type of gen. func.: lgdogf

$$- \frac{x + 3}{x^{2} - 1}$$

Sequence: A235921
Score: 39.1724
Type of gen. func.: ogf_with_Euler_transform]

$$[3 - x]$$

Sequence: A235921
Score: 9.62937
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 210, a(1) = 630\}$$

Sequence: A235926
Score: 3.98826
Type of gen. func.: ogf

$$- \frac{4 (256 x^{5} - 1760 x^{4} + 400 x^{3} + 1304 x^{2} + 447 x + 42)}{64 x^{6} - 448 x^{5} + 144 x^{4} + 320 x^{3} + 82 x^{2} - 1}$$

Sequence: A235944
Score: 8.26927
Type of gen. func.: ogf

$$- (x^{11} + 9 x^{10} + 7 x^{9} + 4 x^{8} + 4 x^{7} + 9 x^{6} + 4 x^{5} + 4 x^{4} + 7 x^{3} + 9 x^{2} + x + 4) / ((x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1))$$

Sequence: A235947
Score: 4.94106
Type of gen. func.: ogf

$$-(400 x^{8} + 1280 x^{7} + 1756 x^{6} + 2976 x^{5} + 2085 x^{4} + 1936 x^{3} + 905 x^{2} + 294 x + 81) / (48 x^{6} + 36 x^{4} + 8 x^{3} - 1)$$

Sequence: A235948
Score: 3.68147
Type of gen. func.: ogf

$$2 (5 x^{11} - 62 x^{10} - 327 x^{9} - 622 x^{8} - 1190 x^{7} - 1616 x^{6} - 792 x^{5} - 36 x^{4} + 889 x^{3} + 686 x^{2} + 361 x + 147) / (6 x^{8} + 12 x^{7} - 10 x^{4} - 3 x^{3} + 1)$$

Sequence: A235949
Score: 4.47067
Type of gen. func.: ogf

$$-(32 x^{12} + 48 x^{11} + 18 x^{10} - 96 x^{9} - 96 x^{8} - 232 x^{7} - 1092 x^{6} - 1984 x^{5} - 1142 x^{4} + 1780 x^{3} + 1494 x^{2} + 1372 x + 905) / ((2 x^{2} - 1) (2 x^{2} + 1))$$

Sequence: A235950
Score: 4.17691
Type of gen. func.: ogf

$$2 (x^{13} + 8 x^{12} + 16 x^{11} - 16 x^{10} - 69 x^{9} - 56 x^{8} - 64 x^{7} + 790 x^{6} + 4132 x^{5} + 4712 x^{4} - 1178 x^{3} - 890 x^{2} - 1330 x - 1292) / (5 x^{4} - 1)$$

Sequence: A235951
Score: 4.86560

Type of gen. func.: ogf

$$-(288 x^{12} - 528 x^{10} - 862 x^{8} + 32 x^{7} - 652 x^{6} - 13408 x^{5} - 24054 x^{4} + 3496 x^{3} + 2478 x^{2} + 5034 x + 7353) \Big/ ((2 x^{2} - 1) (2 x^{2} + 1))$$

Sequence: A235952
Score: 4.50403
Type of gen. func.: ogf

$$4 (32 x^{13} - 144 x^{11} - 62 x^{9} - 16 x^{8} + 508 x^{7} + 770 x^{6} + 9585 x^{5} + 24318 x^{4} - 1259 x^{3} - 876 x^{2} - 2438 x - 5200) \Big/ (5 x^{4} - 1)$$

Sequence: A235953
Score: 4.32344
Type of gen. func.: ogf

$$- 2 (484 x^{14} - 1364 x^{12} - 975 x^{10} + 2354 x^{8} + 24 x^{7} + 876 x^{6} - 29716 x^{5} - 113162 x^{4} + 3660 x^{3} + 2442 x^{2} + 9234 x + 29448) \Big/ ((2 x^{2} - 1) (2 x^{2} + 1))$$

Sequence: A235956
Score: 3.79863
Type of gen. func.: ogf

$$- \frac{2 (256 x^{7} - 704 x^{6} + 480 x^{5} + 316 x^{4} - 449 x^{3} + 48 x^{2} + 86 x - 25)}{(2 x - 1) (4 x^{2} + x - 1) (8 x^{3} - 4 x^{2} - 3 x + 1) (x - 1)^{2}}$$

Sequence: A235974
Score: 3.96944
Type of gen. func.: ogf

$$-(561037 f(x) + 2424730) (8 f(x) x^{4} - 22 f(x) x^{3} + 7 f(x) x^{2} + 72 x^{3} + 4 f(x) x$$

$- 182 x^2 - f(x) + 25 x + 39)$

Sequence: A235974
Score: 7.55628
Type of gen. func.: ogf

$$-\frac{72 x^3 - 182 x^2 + 25 x + 39}{(2 x^2 - 5 x + 1) (4 x^2 - x - 1)}$$

Sequence: A235988
Score: 7.54854
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 14 x^4 + 44 x^3 + 48 x^2 + 30 x + 6}{x^6 + 4 x^5 + 7 x^4 - 7 x^2 - 4 x - 1}$$

Sequence: A235988
Score: 7.83887
Type of gen. func.: ogf

$$\frac{3 (x^4 + 4 x^3 + 8 x^2 + 4 x + 1)}{(x + 1)^2 (x - 1)^4}$$

Sequence: A235996
Score: 12.3617
Type of gen. func.: lgdogf

$$-\frac{-10 x^2 - 2 x + 4}{-2 x^3 - x^2 + 3 x - 1}$$

Sequence: A235996
Score: 13.1723
Type of gen. func.: ogf

$$-\frac{x^4}{(2x-1)(x^2+x-1)^2}$$

Sequence: A235996
Score: 4.27398
Type of gen. func.: ogf

{(2 n + 4) a(n + 1) + a(n + 2) n + (-3 n - 1) a(n + 3) + a(n + 4) n, a(0) = 0,

a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 1}

Sequence: A235996
Score: 6.8676
Type of gen. func.: ogf

$$-2 f(x) x^5 - 3 f(x) x^4 + 4 f(x) x^3 - x^4 + 3 f(x) x^2 - 4 f(x) x + f(x)$$

Sequence: A236003
Score: 4.57521
Type of gen. func.: ogf

$$-\frac{4 (256 x^5 + 1056 x^4 - 16 x^3 - 600 x^2 + 225 x - 22)}{(4 x^3 + 14 x^2 - 8 x + 1) (16 x^3 + 8 x^2 - 8 x + 1)}$$

Sequence: A236011
Score: 4.70949
Type of gen. func.: ogf

$$-\frac{64 x^6 + 300 x^5 + 586 x^4 + 784 x^3 + 547 x^2 + 306 x + 81}{8 x^6 + 16 x^5 + 30 x^4 + 14 x^3 + 9 x^2 - 1}$$

Sequence: A236048
Score: 4.62528
Type of gen. func.: ogf

$$-\frac{64 x^7 + 176 x^6 + 560 x^5 + 596 x^4 + 808 x^3 + 383 x^2 + 292 x + 81}{8 x^6 + 12 x^5 + 24 x^4 + 4 x^3 + 9 x^2 - 1}$$

Sequence: A236049
Score: 3.89461
Type of gen. func.: ogf

$$4 (16 x^8 + 80 x^7 + 142 x^6 - 21 x^5 - 377 x^4 - 602 x^3 - 320 x^2 - 194 x - 73) \Big/ (4 x^6 + 12 x^5 + 21 x^4 + 5 x^3 + 4 x^2 + x - 1)$$

Sequence: A236120
Score: 3.53663
Type of gen. func.: ogf

$$-\frac{8 (372 x^5 - 216 x^4 - 707 x^3 - 488 x^2 - 195 x - 32)}{144 x^6 - 96 x^5 - 264 x^4 - 164 x^3 - 59 x^2 - 6 x + 1}$$

Sequence: A236144
Score: 12.5422
Type of gen. func.: ogf

$$\frac{(x - 1) (x^2 + 2 x + 2)}{(x^2 + 1) (x^2 + x - 1)}$$

Sequence: A236144
Score: 6.52194
Type of gen. func.: ogf

$$-(2920 f(x) - 2631) (f(x) x^4 + f(x) x^3 - x^3 + f(x) x - x^2 - f(x) + 2)$$

Sequence: A236148
Score: 5.27777

Type of gen. func.: ogf

$$-\frac{3\,(64\,x^{4}-56\,x^{3}-92\,x^{2}-111\,x-27)}{12\,x^{5}-12\,x^{4}-16\,x^{3}-18\,x^{2}-x+1}$$

Sequence: A236149
Score: 3.52099
Type of gen. func.: ogf

$$-\frac{6\,(27\,x^{7}+43\,x^{6}+171\,x^{5}+399\,x^{4}+237\,x^{3}-126\,x^{2}-210\,x-69)}{2\,x^{8}+2\,x^{7}+11\,x^{6}+22\,x^{5}+x^{4}-24\,x^{3}-19\,x^{2}-3\,x+1}$$

Sequence: A236157
Score: 5.17445
Type of gen. func.: ogf

$$\frac{6\,x^{5}-38\,x^{4}+20\,x^{3}+37\,x^{2}+55\,x+14}{12\,x^{5}-12\,x^{4}-16\,x^{3}-18\,x^{2}-x+1}$$

Sequence: A236158
Score: 3.80168
Type of gen. func.: ogf

$$-\frac{27\,x^{7}+43\,x^{6}+171\,x^{5}+399\,x^{4}+237\,x^{3}-126\,x^{2}-210\,x-69}{2\,x^{8}+2\,x^{7}+11\,x^{6}+22\,x^{5}+x^{4}-24\,x^{3}-19\,x^{2}-3\,x+1}$$

Sequence: A236165
Score: 12.5931
Type of gen. func.: ogf

$$\frac{x^{3}+x^{2}-1}{(x^{2}+1)\,(x^{2}+x-1)}$$

Sequence: A236165
Score: 7.11782
Type of gen. func.: ogf

$$(2 f(x) - 1) (f(x) x^4 + f(x) x^3 - x^3 + f(x) x - x^2 - f(x) + 1)$$

Sequence: A236172
Score: 4.68624
Type of gen. func.: ogf

$$- (x^{14} - 2 x^{13} + 2 x^{12} + 2 x^{11} + 8 x^9 - 4 x^8 + 4 x^7 - 8 x^6 - 2 x^4 - 2 x^3 + 2 x^2 - x + 3) / ((x + 1) (x^4 - x^3 + x^2 - x + 1) (x^2 - x + 1) (x^8 + x^7 - x^5 - x^4 - x^3 + x + 1))$$

Sequence: A236175
Score: 8.81221
Type of gen. func.: ogf

$$- \frac{2 x^7 + 11 x^6 + 6 x^5 + 3 x^4 + 6 x^3 + 3 x^2 + 6 x + 11}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A236185
Score: 8.88164
Type of gen. func.: ogf

$$- \frac{2 (3 x^7 + x^6 + 3 x^5 + 2 x^4 + x^3 + 2 x^2 + x + 2)}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A236191
Score: 9.65848
Type of gen. func.: ogf

$$x (x + 1) (x^3 - 2 x^2 - 1)$$

$$(x^2 - x - 1)\,(x^4 + x^3 + 2\,x^2 - x + 1)$$

Sequence: A236192
Score: 6.94264
Type of gen. func.: lgdegf]

$$-(8\,x^7 + 91\,x^6 + 936\,x^5 + 8580\,x^4 + 68640\,x^3 + 463320\,x^2 + 8648640)\ \Big/\ (-x^8 - 13\,x^7 - 156\,x^6 - 1716\,x^5 - 17160\,x^4 - 154440\,x^3 - 8648640\,x - 51891840)$$

Sequence: A236194
Score: 4.69922
Type of gen. func.: ogf

$$\{(27\,n^3 + 243\,n^2 + 726\,n + 720)\,a(n + 1) + (-4\,n^3 - 38\,n^2 - 116\,n - 112)\,a(n + 2),\ a(0) = 1,\ a(1) = 7\}$$

Sequence: A236203
Score: 10.4769
Type of gen. func.: lgdogf

$$-\frac{9\,x^3 - 5\,x^2 - 11\,x - 5}{3\,x^4 - 2\,x^3 - 6\,x^2 + 2\,x + 3}$$

Sequence: A236203
Score: 9.98391
Type of gen. func.: ogf

$$\frac{x^2\,(3\,x^2 - 2\,x - 3)}{(x + 1)^2\,(x - 1)^3}$$

Sequence: A236213
Score: 10.3260
Type of gen. func.: ogf

```
         {-a(n + 4) + a(n + 3), a(0) = 4, a(1) = 2, a(2) = 6, a(3) = 2}



------------------------------------------------------------------------------

Sequence:  A236213
Score: 11.6623
Type of gen. func.: ogf


                               3               2
             (f(x) - 116) (-4 x  + f(x) x + 4 x  - f(x) - 2 x + 4)



------------------------------------------------------------------------------

Sequence:  A236213
Score: 12.3912
Type of gen. func.: lgdogf


                                  3      2
                              -4 x  + 8 x  - 4 x - 1
                         - -----------------------------
                                4      3      2
                           2 x  - 4 x  + 3 x  - 3 x + 2



------------------------------------------------------------------------------

Sequence:  A236213
Score: 18.7036
Type of gen. func.: ogf


                                  3      2
                            2 (2 x  - 2 x  + x - 2)
                            -----------------------
                                     x - 1



------------------------------------------------------------------------------

Sequence:  A236257
Score: 11.8447
Type of gen. func.: lgdogf


                                     2
                                -18 x  + 10 x - 4
                          - -------------------------
                                 3       2
                            -18 x  + 41 x  - 32 x + 9



------------------------------------------------------------------------------

Sequence:  A236257
Score: 12.9727
Type of gen. func.: ogf


                                     2
                                 18 x  - 23 x + 9
```

$$-\frac{}{(x-1)^3}$$

Sequence: A236257
Score: 6.69903
Type of gen. func.: ogf

$$-(464 f(x) - 4881) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 18 x^2 - f(x) - 23 x + 9)$$

Sequence: A236257
Score: 7.29716
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 9, a(1) = 4, a(2) = 3\}$$

Sequence: A236267
Score: 12.3273
Type of gen. func.: lgdogf

$$-\frac{6 x^2 + 30 x + 12}{6 x^3 + 3 x^2 - 8 x - 1}$$

Sequence: A236267
Score: 13.3377
Type of gen. func.: ogf

$$-\frac{6 x^2 + 9 x + 1}{(x - 1)^3}$$

Sequence: A236267
Score: 6.72397
Type of gen. func.: ogf

$$(153856 f(x) - 893305) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 6 x^2 - f(x) + 9 x + 1)$$

Sequence: A236267
Score: 7.13685
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 12, a(2) = 39\}$$

Sequence: A236271
Score: 3.96786
Type of gen. func.: ogf

$$(48949 f(x) - 189272) (8 f(x) x^4 + 16 f(x) x^3 - 4 f(x) x^2 + 72 x^3 - 5 f(x) x + 160 x^2 + f(x) + 2 x - 42)$$

Sequence: A236271
Score: 7.30666
Type of gen. func.: ogf

$$- \frac{2 (36 x^3 + 80 x^2 + x - 21)}{(2 x - 1) (4 x^3 + 10 x^2 + 3 x - 1)}$$

Sequence: A236283
Score: 10.9423
Type of gen. func.: ogf

$$- \frac{2 x^3 - 3 x^2 + 2 x + 1}{(x + 1) (x - 1)^3}$$

Sequence: A236283
Score: 6.18869
Type of gen. func.: ogf

$$(191 f(x) + 61) (f(x) x^4 - 2 f(x) x^3 + 2 x^3 + 2 f(x) x - 3 x^2 - f(x) + 2 x + 1)$$

Sequence: A236283

Score: 8.57977
Type of gen. func.: lgdogf

$$-\frac{-2x^4+2x^3-6x^2-2x-4}{-2x^5+3x^4-4x^2+2x+1}$$

Sequence: A236291
Score: 6.04142
Type of gen. func.: ogf

$$\frac{x^7-3x^6-2x^5-3x^4+6x^3-3x^2-x+1}{(2x-1)(x-1)^3(x+1)^3}$$

Sequence: A236294
Score: 8.10083
Type of gen. func.: ogf

$$\frac{x^6-2x^5+x^4-x^2+x-1}{(x+1)(x^2+1)(x^4+1)(x-1)^3}$$

Sequence: A236323
Score: 5.204
Type of gen. func.: ogf

$$-(627 f(x) - 4456)$$

$$(8 f(x) x^4 + 2 f(x) x^3 + f(x) x^2 + 56 x^3 + 44 x^2 - f(x) + 32 x + 16)$$

Sequence: A236323
Score: 8.92116
Type of gen. func.: ogf

$$-\frac{4(14x^3+11x^2+8x+4)}{(2x-1)(4x^3+3x^2+2x+1)}$$

Sequence: A236324
Score: 5.93461
Type of gen. func.: ogf

$$-(615 f(x) - 9532)$$

$$(4 f(x) x^4 + f(x) x^3 - 16 x^4 + 60 x^3 + 60 x^2 - f(x) + 44 x + 32)$$

Sequence: A236324
Score: 9.35842
Type of gen. func.: ogf

$$\frac{4 (4 x^4 - 15 x^3 - 15 x^2 - 11 x - 8)}{4 x^4 + x^3 - 1}$$

Sequence: A236326
Score: 13.8094
Type of gen. func.: ogf

$$\frac{7 x^4 + 7 x^3 + 4 x^2 + 3 x + 3}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A236327
Score: 14.8113
Type of gen. func.: ogf

$$\frac{11 x^3 + 11 x^2 + 6 x + 2}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A236333
Score: 9.50038
Type of gen. func.: ogf

$$- \frac{2 x^8 + 2 x^7 - 4 x^5 - 5 x^4 + x^3 + 2 x^2 + 3 x + 1}{(x - 1)^3 (x^2 + x + 1)^3}$$

Sequence: A236337
Score: 11.5115
Type of gen. func.: lgdogf

$$-\frac{-4x^3+8x^2+2x+3}{-x^4+2x^3+x-2}$$

Sequence: A236337
Score: 12.0120
Type of gen. func.: ogf

$$\frac{x-2}{(x^2+x+1)(x-1)^3}$$

Sequence: A236339
Score: 19.5968
Type of gen. func.: revogf

$$[x^4-2x^2+x]$$

Sequence: A236340
Score: 10.5300
Type of gen. func.: ogf

$$\frac{(x^2+x+1)(x^2-x-1)}{(x+1)(x^2+x-1)}$$

Sequence: A236340
Score: 5.43216
Type of gen. func.: ogf

$\{-a(n+5)+2a(n+3)+a(n+2), a(0)=1, a(1)=2, a(2)=3, a(3)=5,$

$a(4)=7\}$

Sequence: A236340
Score: 6.77675
Type of gen. func.: ogf

$$(f(x) - 2) (f(x) x^3 - x^4 + 2 f(x) x^2 + x^2 - f(x) + 2 x + 1)$$

Sequence: A236343
Score: 9.84060
Type of gen. func.: ogf

$$\frac{x^3 - 2 x^2 + x - 1}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A236348
Score: 11.7609
Type of gen. func.: ogf

$$\frac{x^3 + 2 x^2 - x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A236348
Score: 4.97856
Type of gen. func.: ogf

{(n + 3) a(n + 1) + a(n + 2) + a(n + 3) + (-2 - n) a(n + 4), a(0) = 1, a(1) = 0,

a(2) = 2, a(3) = 4}

Sequence: A236348
Score: 6.44052
Type of gen. func.: ogf

$$-(21 f(x) + 155) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 2 x^2 + f(x) + x - 1)$$

Sequence: A236348

Score: 8.82071
Type of gen. func.: lgdogf

$$-\frac{-x^5-5x^4-8x^2-4x}{-x^6-2x^5+x^4+2x^2-x+1}$$

Sequence: A236364
Score: 7.59206
Type of gen. func.: lgdogf

$$-\frac{2x^5+11x^4+38x^3+38x^2+26x+5}{x^6+3x^5+6x^4-6x^2-3x-1}$$

Sequence: A236364
Score: 8.11824
Type of gen. func.: ogf

$$\frac{x^4+3x^3+7x^2+3x+1}{(x+1)^2(x-1)^4}$$

Sequence: A236370
Score: 7.82763
Type of gen. func.: ogf

$$\frac{2x^4+8x^3+15x^2+7x+1}{(x+1)^2(x-1)^4}$$

Sequence: A236377
Score: 5.61013
Type of gen. func.: ogf

$$\frac{9x^6-10x^5+11x^4+4x^3+3x^2-2x+1}{(x+1)(x^2+1)^2(x-1)^4}$$

Sequence: A236392
Score: 16.9835
Type of gen. func.: ogf

$$-\frac{x\,(x^{3}+x^{2}+1)}{2\,x^{4}+x^{3}+x-1}$$

Sequence: A236392
Score: 8.62445
Type of gen. func.: lgdogf

$$-\frac{-2\,x^{6}-4\,x^{5}-x^{4}-6\,x^{3}-5\,x^{2}-2\,x-1}{-2\,x^{7}-3\,x^{6}-x^{5}-3\,x^{4}-x^{3}+x^{2}-x+1}$$

Sequence: A236392
Score: 9.59941
Type of gen. func.: ogf

$$(9\,f(x)+7)\,(2\,f(x)\,x^{4}+f(x)\,x^{3}+x^{4}+x^{3}+f(x)\,x-f(x)+x)$$

Sequence: A236398
Score: 10.4551
Type of gen. func.: ogf

$$(2\,f(x)-1)\,(f(x)\,x^{4}+x^{3}+2\,x^{2}-f(x)+x+1)$$

Sequence: A236398
Score: 15.2240
Type of gen. func.: ogf

$$-\frac{x^{3}+2\,x^{2}+x+1}{(x-1)\,(x+1)\,(x^{2}+1)}$$

Sequence: A236428
Score: 12.5454
Type of gen. func.: ogf

$$\frac{x^2 - x + 1}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A236428
Score: 6.71289
Type of gen. func.: ogf

$$(136 f(x) + 39) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x - x^2 + f(x) + x - 1)$$

Sequence: A236428
Score: 6.83277
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 1, a(1) = 1, a(2) = 5\}$$

Sequence: A236428
Score: 7.97156
Type of gen. func.: lgdogf

$$- \frac{-x^4 + 2 x^3 - 7 x^2 + 6 x + 1}{-x^5 + 3 x^4 - x^3 - x^2 + 3 x - 1}$$

Sequence: A236432
Score: 12.3601
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 210 x + 210$$

Sequence: A236432
Score: 16.9005
Type of gen. func.: ogf

$$\frac{210 (x + 1)}{(x - 1)^2}$$

Sequence: A236432
Score: 18.8210
Type of gen. func.: lgdogf

$$-\frac{x + 3}{x^2 - 1}$$

Sequence: A236432
Score: 39.1724
Type of gen. func.: ogf_with_Euler_transform]

$$[3 - x]$$

Sequence: A236432
Score: 9.62937
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 210, a(1) = 630\}$$

Sequence: A236438
Score: 3.30346
Type of gen. func.: ogf

$$\{(n^2 + 4 n + 4) a(n + 1) + (3 n^2 + 18 n + 28) a(n + 2) + (2 n^2 + 13 n + 22) a(n + 3) + (-2 n - 8) a(n + 4), a(0) = 2, a(1) = 1, a(2) = 3, a(3) = 8\}$$

Sequence: A236453
Score: 7.02839
Type of gen. func.: ogf

$$-(616 f(x) + 73) (f(x) x^4 - 2 f(x) x^3 + 2 x^3 + 2 f(x) x - 2 x^2 - f(x) + x + 1)$$

Sequence: A236453
Score: 8.01916
Type of gen. func.: ogf

$$-\frac{2 x^3 - 2 x^2 + x + 1}{(x + 1) (x - 1)^3}$$

Sequence: A236535
Score: 10.6352
Type of gen. func.: lgdogf

$$-\frac{-6 x^4 - 12 x^3 - 14 x^2 - 11 x - 5}{-3 x^5 - 3 x^4 - 2 x^3 + 3 x^2 + 3 x + 2}$$

Sequence: A236535
Score: 17.2603
Type of gen. func.: ogf

$$\frac{3 x^2 + 3 x + 2}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A236535
Score: 6.30467
Type of gen. func.: ogf

{(8 n + 31) a(n + 1) + 8 a(n + 2) + 8 a(n + 3) + (-8 n - 23) a(n + 4), a(0) = 2,

a(1) = 5, a(2) = 8, a(3) = 10}

Sequence: A236535
Score: 9.23581
Type of gen. func.: ogf

$$(48 f(x) + 565) (f(x) x^4 - f(x) x^3 - f(x) x - 3 x^2 + f(x) - 3 x - 2)$$

Sequence: A236549
Score: 4.23263
Type of gen. func.: ogf

$$-\frac{2\,(4\,x^{7}+70\,x^{6}-93\,x^{5}-320\,x^{4}+304\,x^{3}+102\,x^{2}-31\,x-4)}{(x^{2}+2\,x-1)\,(x^{2}-2\,x-1)\,(x^{4}+20\,x^{3}-25\,x^{2}-8\,x+1)}$$

Sequence: A236571
Score: 5.24674
Type of gen. func.: ogf

$$-\frac{x\,(26093548\,x^{14}+5173347\,x^{11}+2007196\,x^{10}-11973\,x^{4}-2763\,x-921)}{(5\,x^{2}-1)\,(2007196\,x^{10}-921)}$$

Sequence: A236572
Score: 4.74147
Type of gen. func.: ogf

$$(16742952\,x^{15}+1302319\,x^{12}-3720656\,x^{11}-1860328\,x^{10}-6723\,x^{5}-747\,x^{2}+1494\,x+747)\;/\;((5\,x^{2}-1)\,(1860328\,x^{10}-747))$$

Sequence: A236576
Score: 5.03827
Type of gen. func.: ogf

$$\{a(n+3)-6\,a(n+2)+3\,a(n+1)-a(n),\ a(0)=1,\ a(1)=4,\ a(2)=22\}$$

Sequence: A236576
Score: 5.12906
Type of gen. func.: ogf

$$(f(x)-1)\,(f(x)\,x^{3}-3\,f(x)\,x^{2}+6\,f(x)\,x+x^{2}-f(x)-2\,x+1)$$

Sequence: A236576
Score: 7.49112
Type of gen. func.: lgdogf

$$-\frac{-x^3+3x^2+4}{-x^4+4x^3-9x^2+7x-1}$$

Sequence: A236576
Score: 9.33320
Type of gen. func.: ogf

$$-\frac{(x-1)^2}{x^3-3x^2+6x-1}$$

Sequence: A236577
Score: 3.87304
Type of gen. func.: ogf

$$-(x^3+x^2-1)(x-1)^2(x^2+x+1)^2 \Big/ (x^{12}+x^{11}-x^{10}-5x^9-3x^8+x^7+10x^6+5x^5+x^4-7x^3-x^2-x+1)$$

Sequence: A236579
Score: 3.77349
Type of gen. func.: ogf

$$-(25 f(x)+2)$$

$$(f(x)x^4-4f(x)x^3+6f(x)x^2+x^3-6f(x)x-3x^2+f(x)+3x-1)$$

Sequence: A236579
Score: 6.95891
Type of gen. func.: ogf

$$-\frac{(x-1)^3}{x^4-4x^3+6x^2-6x+1}$$

Sequence: A236580
Score: 5.0734
Type of gen. func.: ogf

$$-(476 f(x) + 19)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + x^3 - 7 f(x) x - 3 x^2 + f(x) + 3 x - 1)$$

Sequence: A236580
Score: 6.23304
Type of gen. func.: ogf

$$-\frac{(x - 1)^3}{x^4 - 4 x^3 + 6 x^2 - 7 x + 1}$$

Sequence: A236581
Score: 5.07192
Type of gen. func.: ogf

$$-(56 f(x) + 1)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + x^3 - 8 f(x) x - 3 x^2 + f(x) + 3 x - 1)$$

Sequence: A236581
Score: 6.76839
Type of gen. func.: ogf

$$-\frac{(x - 1)^3}{x^4 - 4 x^3 + 6 x^2 - 8 x + 1}$$

Sequence: A236583
Score: 4.98781
Type of gen. func.: ogf

$$(5 f(x) - 2) (f(x) x^4 - f(x) x^3 + 3 f(x) x + x^2 - f(x) - 2 x + 1)$$

Sequence: A236583
Score: 9.07618
Type of gen. func.: ogf

$$-\frac{(x - 1)^2}{x^4 - x^3 + 3 x - 1}$$

Sequence: A236584
Score: 10.5381
Type of gen. func.: ogf

$$-\frac{x - 1}{2 x^4 - 4 x^3 + x^2 - 2 x + 1}$$

Sequence: A236584
Score: 4.52695
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) + a(n + 2) - 4 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 1,$$
$$a(2) = 1, a(3) = 5\}$$

Sequence: A236584
Score: 5.18408
Type of gen. func.: ogf

$$(226 f(x) - 15) (2 f(x) x^4 - 4 f(x) x^3 + f(x) x^2 - 2 f(x) x + f(x) + x - 1)$$

Sequence: A236652
Score: 10.7575
Type of gen. func.: ogf

$$\frac{8 x^4 + x^3 + 5 x^2 + 3 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A236653
Score: 11.8478
Type of gen. func.: ogf

$$\frac{8 x^3 + 2 x^2 + 7 x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A236653
Score: 4.75288
Type of gen. func.: ogf

$$\{(18 n + 55) a(n + 1) + 18 a(n + 2) + 18 a(n + 3) + (-18 n - 37) a(n + 4),$$

$$a(0) = 1, a(1) = 8, a(2) = 10, a(3) = 19\}$$

Sequence: A236653
Score: 6.19315
Type of gen. func.: ogf

$$(2414232 f(x) + 16690669)$$

$$(f(x) x^4 - f(x) x^3 - 8 x^3 - f(x) x - 2 x^2 + f(x) - 7 x - 1)$$

Sequence: A236664
Score: 4.12221
Type of gen. func.: ogf

$$- \frac{77760 x^6 + 45504 x^5 + 20112 x^4 + 9544 x^3 + 1704 x^2 + 290 x + 81}{5760 x^7 + 2304 x^6 + 888 x^5 + 436 x^4 + 2 x - 1}$$

Sequence: A236677
Score: 10.3243
Type of gen. func.: lgdogf

$$- \frac{-6 x^5 + 4 x^3 - 2 x}{-x^6 + x^4 - x^2 + 1}$$

Sequence: A236677
Score: 18.1304
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(x+1)(x^4+1)}$$

Sequence: A236677
Score: 20.0557
Type of gen. func.: ogf_with_Euler_transform]

$$x(x^6-x^2+1)$$

Sequence: A236678
Score: 11.9142
Type of gen. func.: ogf

$$\frac{1}{(x+1)(x^4+1)(x-1)^2}$$

Sequence: A236678
Score: 24.8327
Type of gen. func.: ogf_with_Euler_transform]

$$x^7-x^3+x+1$$

Sequence: A236678
Score: 9.78663
Type of gen. func.: lgdogf

$$-\frac{7x^5+x^4-4x^3+3x+1}{x^6-x^4+x^2-1}$$

Sequence: A236680
Score: 9.65840

Type of gen. func.: ogf

$$-\frac{4x^5+2x^2+1}{(2x^2-1)(2x^2-2x+1)(2x^2+1)}$$

Sequence: A236739
Score: 3.36472
Type of gen. func.: ogf

$$-(6720x^8+5472x^7-10020x^6-7738x^5+4345x^4+2794x^3-874x^2-300x+81) / ((x-1)(4x-1)(x+1)(3x^2-1)(4x^2+x-1)(4x^2+2x-1))$$

Sequence: A236770
Score: 12.0702
Type of gen. func.: lgdogf

$$-\frac{3x^2+30x+12}{x^3+6x^2-6x-1}$$

Sequence: A236770
Score: 4.19280
Type of gen. func.: ogf

$\{(n+3)a(n+4)+6n\,a(n+3)+(-36-6n)a(n+2)+(-n-3)a(n+1),$

$a(0)=0, a(1)=1, a(2)=12, a(3)=51\}$

Sequence: A236770
Score: 9.59798
Type of gen. func.: ogf

$$-\frac{x(x^2+7x+1)}{(x-1)^5}$$

Sequence: A236771
Score: 8.65434
Type of gen. func.: ogf

$$\frac{x (2 x^4 - 2 x^2 - 3 x - 1)}{(x + 1) (x^2 + x + 1) (x - 1)^3}$$

Sequence: A236773
Score: 6.18964
Type of gen. func.: ogf

$$\frac{x (x^7 + 2 x^5 + 2 x^4 + 2 x^3 + x^2 + 3 x + 1)}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^4}$$

Sequence: A236802
Score: 4.71557
Type of gen. func.: ogf

$$- \frac{19440 x^5 - 9000 x^4 - 4008 x^3 + 1972 x^2 + 128 x - 81}{(3 x - 1) (2 x - 1) (6 x^2 - 1) (20 x^2 - 1)}$$

Sequence: A236841
Score: 7.31880
Type of gen. func.: ogf

$$\frac{x (x^{28} + x^{25} - 1)}{(x^{28} + x^{24} - 1) (x - 1)^2}$$

Sequence: A236858
Score: 9.10173
Type of gen. func.: ogf

$$12 x^{23} - 12 x^{22} + 6 x^{11} - 6 x^{10} + 2 x^5 - 2 x^4 + x^3 - x + 1$$

```
      ----------------------------------------------------------
                                         2
                                  (x - 1)
```

Sequence: A236886
Score: 3.15255
Type of gen. func.: ogf

$$-(58112 x^8 - 46592 x^7 - 46992 x^6 + 41760 x^5 + 4460 x^4 - 8552 x^3 + 776 x^2 + 484 x - 81) \Big/ ((x - 1) (2 x - 1) (4 x - 1) (10 x^2 - 1) (6 x^2 - 1) (4 x^2 + 2 x - 1))$$

Sequence: A236916
Score: 14.3242
Type of gen. func.: ogf

$$\frac{x (x^7 + x^5 + x + 1)}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A236924
Score: 7.86633
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4 x^{10} - 2 x^9 - x^8 + x^7 - 5 x^2 - 3 x - 2}{x^{11} + x^{10} + x^9 + x^8 + x^3 + x^2 + x + 1}$$

Sequence: A236926
Score: 7.58188
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4 x^8 - 6 x^7 + 9 x^6 - 4 x^5 - 3 x^4 + 3 x^3 + 8 x^2 - 9 x + 6}{-x^9 - x^6 - x^3 - 1}$$

Sequence: A236942
Score: 3.40432
Type of gen. func.: ogf

$$-\frac{2\,(56700 x^6 + 28035 x^5 - 71862 x^4 - 16274 x^3 + 7019 x^2 + 650 x - 128)}{(x - 1)(3 x^2 + 3 x - 1)(20 x^2 + 5 x - 1)(63 x^2 + 7 x - 1)}$$

Sequence: A236967
Score: 10.7838
Type of gen. func.: ogf

$$-9 f(x) x^2 + 6 f(x) x + 9 x^2 - f(x) + 6 x + 1$$

Sequence: A236967
Score: 14.4463
Type of gen. func.: ogf

$$\frac{(3 x + 1)^2}{(3 x - 1)^2}$$

Sequence: A236967
Score: 23.2016
Type of gen. func.: lgdogf

$$\frac{12}{-9 x^2 + 1}$$

Sequence: A236967
Score: 7.36206
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 12, a(2) = 72\}$$

Sequence: A236990
Score: 5.67153
Type of gen. func.: ogf

$$-(161 f(x) - 6521) (400 f(x) x^{4} + 7200 x^{3} + 1600 x^{2} - f(x) + 360 x + 81)$$

Sequence: A236990
Score: 5.90068
Type of gen. func.: ogf

$$\{a(n + 4) - 400 a(n), a(0) = 81, a(1) = 360, a(2) = 1600, a(3) = 7200\}$$

Sequence: A236990
Score: 8.59069
Type of gen. func.: ogf

$$- \frac{7200 x^{3} + 1600 x^{2} + 360 x + 81}{(20 x^{2} - 1) (20 x^{2} + 1)}$$

Sequence: A236991
Score: 5.50807
Type of gen. func.: ogf

$$-(2 f(x) - 153) (1944 f(x) x^{4} + 104976 x^{3} + 15552 x^{2} - f(x) + 2376 x + 360)$$

Sequence: A236991
Score: 7.88993
Type of gen. func.: ogf

$$- \frac{72 (1458 x^{3} + 216 x^{2} + 33 x + 5)}{1944 x^{4} - 1}$$

Sequence: A236992
Score: 4.76512
Type of gen. func.: ogf

$$- \frac{64 (220320 x^{4} - 272 x^{3} + 92 x^{2} + 7 x - 25)}{{}^{4}}$$

$$(10 x - 1) (8704 x - 1)$$

Sequence: A237028
Score: 6.48979
Type of gen. func.: ogf

$$-\frac{840 x^4 + 390 x^3 - 1025 x^2 - 166 x + 81}{(20 x^2 + 5 x - 1) (3 x^2 + 3 x - 1) (x - 1)}$$

Sequence: A237036
Score: 7.02778
Type of gen. func.: ogf

$$-\frac{7 x^8 - 28 x^7 + 42 x^6 - 20 x^5 - 20 x^4 + 30 x^3 - 10 x^2 - 3}{(x - 1)^4}$$

Sequence: A237041
Score: 6.92690
Type of gen. func.: ogf

$$- (3864 x^{13} - 3864 x^{12} + 1116 x^9 - 1116 x^8 + 1116 x^5 - 1116 x^4 + 6723 x - 6724) \Big/ (x - 1)^2$$

Sequence: A237128
Score: 11.0969
Type of gen. func.: lgdogf

$$-\frac{-x^3 - 17 x^2 - 13 x - 9}{-x^4 - 8 x^3 + 8 x + 1}$$

Sequence: A237128
Score: 12.6334
Type of gen. func.: ogf

$$\frac{36 (x^2 + 8 x + 1)}{(x + 1) (x - 1)^2}$$

Sequence: A237128
Score: 6.73089
Type of gen. func.: ogf

$$-(7 f(x) + 2808) (f(x) x^3 - f(x) x^2 - f(x) x - 36 x^2 + f(x) - 288 x - 36)$$

Sequence: A237128
Score: 7.01854
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 36, a(1) = 324, a(2) = 396\}$$

Sequence: A237132
Score: 12.1440
Type of gen. func.: ogf

$$-\frac{(x - 1) (3 x^2 + 7 x + 3)}{(x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A237132
Score: 7.2418
Type of gen. func.: ogf

$$-(176 f(x) - 243) (f(x) x^4 - 3 f(x) x^2 + 3 x^3 + 4 x^2 + f(x) - 4 x - 3)$$

Sequence: A237133
Score: 12.4238
Type of gen. func.: ogf

$$-\frac{(x - 1) (4 x^2 + 9 x + 4)}{(x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A237133
Score: 7.6909
Type of gen. func.: ogf

$$-(2 f(x) - 3) (f(x) x^4 - 3 f(x) x^2 + 4 x^3 + 5 x^2 + f(x) - 5 x - 4)$$

Sequence: A237160
Score: 3.23297
Type of gen. func.: ogf

$$- (9664 x^8 + 15792 x^7 - 11416 x^6 - 14656 x^5 + 5288 x^4 + 4120 x^3 - 1100 x^2 - 322 x + 81) / ((4 x - 1) (2 x^2 - 1) (20 x^4 - 10 x^2 + 1) (2 x^2 + 3 x - 1))$$

Sequence: A237227
Score: 5.56387
Type of gen. func.: ogf

$$- \frac{64 x^6 + 208 x^5 + 260 x^4 + 640 x^3 + 280 x^2 + 268 x + 81}{(2 x^2 + 1) (4 x^4 + 10 x^2 - 1)}$$

Sequence: A237228
Score: 4.14393
Type of gen. func.: ogf

$$\frac{4 (8 x^7 + 6 x^6 - 127 x^5 - 402 x^4 - 582 x^3 - 307 x^2 - 179 x - 67)}{4 x^6 + 12 x^5 + 21 x^4 + 5 x^3 + 4 x^2 + x - 1}$$

Sequence: A237242
Score: 5.00172
Type of gen. func.: ogf

$$-(284757383 f(x) - 11706049319)$$

$$(352 f(x) x^4 - 336 x^4 + 6496 x^3 + 1488 x^2 - f(x) + 344 x + 81)$$

Sequence: A237242
Score: 8.07969
Type of gen. func.: ogf

$$\frac{336 x^4 - 6496 x^3 - 1488 x^2 - 344 x - 81}{352 x^4 - 1}$$

Sequence: A237243
Score: 5.96329
Type of gen. func.: ogf

$$\frac{4 (513 x^5 + 1974 x^4 - 19605 x^3 - 3150 x^2 - 516 x - 86)}{1410 x^4 - 1}$$

Sequence: A237250
Score: 11.8811
Type of gen. func.: ogf

$$- \frac{(x - 1) (2 x + 1) (x + 2)}{x^4 - 4 x^2 + 1}$$

Sequence: A237250
Score: 7.35498
Type of gen. func.: ogf

$$(220 f(x) - 151) (f(x) x^4 - 4 f(x) x^2 + 2 x^3 + 3 x^2 + f(x) - 3 x - 2)$$

Sequence: A237254
Score: 12.2109
Type of gen. func.: ogf

$$-\frac{(x - 1)\ (x + 3\ x + 1)}{x^4 - 5\ x^2 + 1}$$

Sequence: A237254
Score: 7.28172
Type of gen. func.: ogf

$$-(720\ f(x) - 323)\ (f(x)\ x^4 - 5\ f(x)\ x^2 + x^3 + 2\ x^2 + f(x) - 2\ x - 1)$$

Sequence: A237255
Score: 11.8902
Type of gen. func.: ogf

$$-\frac{(x - 1)\ (2\ x + 1)\ (x + 2)}{x^4 - 5\ x^2 + 1}$$

Sequence: A237255
Score: 7.1561
Type of gen. func.: ogf

$$-(102\ f(x) - 41)\ (f(x)\ x^4 - 5\ f(x)\ x^2 + 2\ x^3 + 3\ x^2 + f(x) - 3\ x - 2)$$

Sequence: A237262
Score: 11.6560
Type of gen. func.: ogf

$$-\frac{(x - 1)\ (x^2 + 3\ x + 1)}{x^4 - 8\ x^2 + 1}$$

Sequence: A237262
Score: 7.21563
Type of gen. func.: ogf

$$(756\ f(x) - 127)\ (f(x)\ x^4 - 8\ f(x)\ x^2 + x^3 + 2\ x^2 + f(x) - 2\ x - 1)$$

Sequence: A237268
Score: 12.9357
Type of gen. func.: ogf

$$-\frac{x^3 - 3x^2 + x - 1}{x^2 - 3x + 1}$$

Sequence: A237268
Score: 6.86155
Type of gen. func.: ogf

$$\{a(n+4) - 3\,a(n+3) + a(n+2),\ a(0) = 1,\ a(1) = 2,\ a(2) = 8,\ a(3) = 21\}$$

Sequence: A237268
Score: 7.58729
Type of gen. func.: ogf

$$(47\,f(x) + 162)\,(f(x)\,x^2 + x^3 - 3\,f(x)\,x - 3x^2 + f(x) + x - 1)$$

Sequence: A237268
Score: 8.05182
Type of gen. func.: lgdogf

$$-\frac{x^4 - 6x^3 + 11x^2 - 4x - 2}{-x^5 + 6x^4 - 11x^3 + 7x^2 - 4x + 1}$$

Sequence: A237275
Score: 4.18497
Type of gen. func.: ogf

$$-(f(x) - 1)\,(8\,f(x)\,x^3 - 4\,f(x)\,x^2 + 2\,f(x)\,x + 16x^2 - f(x) - 2x + 2)$$

Sequence: A237275
Score: 4.29608
Type of gen. func.: ogf

$\{a(n + 3) - 2 a(n + 2) + 4 a(n + 1) - 8 a(n), a(0) = 2, a(1) = 2, a(2) = 12\}$

Sequence: A237275
Score: 7.82995
Type of gen. func.: ogf

$$-\frac{2 (8 x^2 - x + 1)}{(2 x - 1) (4 x^2 + 1)}$$

Sequence: A237317
Score: 4.28279
Type of gen. func.: ogf

$$-(88937456887595 f(x) - 3621465146367049)$$

$$(356 f(x) x^4 - 64 x^4 + 6608 x^3 + 1508 x^2 - f(x) + 348 x + 81)$$

Sequence: A237317
Score: 7.50878
Type of gen. func.: ogf

$$\frac{64 x^4 - 6608 x^3 - 1508 x^2 - 348 x - 81}{356 x^4 - 1}$$

Sequence: A237342
Score: 8.36130
Type of gen. func.: ogf

$$\frac{x (10 x^5 - 9 x^4 - 9 x^3 - 9 x^2 - 9 x + 1)}{(10 x - 1) (x - 1)}$$

Sequence: A237343
Score: 7.80228
Type of gen. func.: ogf

$$\frac{x\,(20\,x^{6}-9\,x^{5}-9\,x^{4}-9\,x^{3}-9\,x^{2}-9\,x+1)}{(10\,x-1)\,(x-1)}$$

Sequence: A237345
Score: 5.11217
Type of gen. func.: ogf

$$x\,(10\,x^{12}+10\,x^{11}+10\,x^{10}+10\,x^{9}+20\,x^{8}-25\,x^{7}-15\,x^{6}-5\,x^{5}+5\,x^{4}+4\,x^{3}+3\,x^{2}+2\,x+1)\;/\;((x-1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(10\,x^{5}-1))$$

Sequence: A237356
Score: 7.91318
Type of gen. func.: ogf

$$-\frac{(2\,x-1)\,(120\,x^{3}-122\,x^{2}+24\,x-1)}{(x-1)\,(2640\,x^{4}-2540\,x^{3}+646\,x^{2}-54\,x+1)}$$

Sequence: A237357
Score: 13.0084
Type of gen. func.: ogf

$$\frac{x-1}{36\,x^{3}+22\,x^{2}+7\,x-1}$$

Sequence: A237357
Score: 6.22141
Type of gen. func.: ogf

{-a(n + 3) + 7 a(n + 2) + 22 a(n + 1) + 36 a(n), a(0) = 1, a(1) = 6, a(2) = 64}

Sequence: A237357
Score: 6.33153
Type of gen. func.: ogf

3 2

$$(16319 f(x) - 11169) (36 f(x) x + 22 f(x) x + 7 f(x) x - f(x) - x + 1)$$

Sequence: A237357
Score: 8.31933
Type of gen. func.: lgdogf

$$- \frac{-72 x^3 + 86 x^2 + 44 x + 6}{-36 x^4 + 14 x^3 + 15 x^2 + 8 x - 1}$$

Sequence: A237368
Score: 7.21242
Type of gen. func.: ogf

$$\frac{2688 x^5 + 1476 x^4 - 3840 x^3 - 1024 x^2 - 288 x - 81}{(14 x^2 - 1) (14 x^2 + 1)}$$

Sequence: A237377
Score: 5.34081
Type of gen. func.: ogf

$$-(146547 f(x) - 5951099)$$

$$(336 f(x) x^4 + 64 x^4 + 6368 x^3 + 1472 x^2 - f(x) + 344 x + 81)$$

Sequence: A237377
Score: 8.18462
Type of gen. func.: ogf

$$- \frac{64 x^4 + 6368 x^3 + 1472 x^2 + 344 x + 81}{336 x^4 - 1}$$

Sequence: A237378
Score: 5.96329
Type of gen. func.: ogf

5 4 3 2

$$\frac{4 (645 x - 270 x - 19047 x - 3102 x - 516 x - 86)}{1320 x^{4} - 1}$$

Sequence: A237415
Score: 10.4229
Type of gen. func.: ogf

$$\frac{x (x^{4} + x^{3} + 6 x^{2} + x + 1)}{(x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A237416
Score: 7.30918
Type of gen. func.: ogf

$$\frac{5 (2 x^{8} + 4 x^{7} + 6 x^{6} + 8 x^{5} + x^{4} + 8 x^{3} + 6 x^{2} + 4 x + 2)}{(x - 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2}}$$

Sequence: A237420
Score: 10.1427
Type of gen. func.: ogf

$$-f(x) x^{4} + 2 f(x) x^{2} + 2 x^{2} - f(x)$$

Sequence: A237420
Score: 15.5851
Type of gen. func.: ogf

$$\frac{2 x^{2}}{(x - 1)^{2} (x + 1)^{2}}$$

Sequence: A237420
Score: 17.7497
Type of gen. func.: lgdogf

$$\frac{4 x}{-x^{2} + 1}$$

Sequence: A237420
Score: 37.4707
Type of gen. func.: ogf_with_Euler_transform]

[2 x]

Sequence: A237420
Score: 5.60517
Type of gen. func.: ogf

$$\{(n + 1) a(n + 3) + (-3 - n) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A237456
Score: 3.83652
Type of gen. func.: ogf

$$-(18432 x^{9} + 4096 x^{8} + 31872 x^{7} + 8704 x^{6} + 19264 x^{5} + 5264 x^{4} + 4272 x^{3} + 1144 x^{2} + 308 x + 81) / (1024 x^{10} + 1600 x^{8} + 832 x^{6} + 136 x^{4} - 1)$$

Sequence: A237465
Score: 4.30498
Type of gen. func.: ogf

$$-\frac{14112 x^{7} + 3136 x^{6} + 33960 x^{5} + 7585 x^{4} + 6954 x^{3} + 1566 x^{2} + 356 x + 81}{784 x^{8} + 1840 x^{6} + 288 x^{4} - 1}$$

Sequence: A237516
Score: 9.45499
Type of gen. func.: lgdogf

$$-\frac{-x^{4} - 24 x^{3} - 108 x^{2} - 92 x - 15}{{}^{5} \quad {}^{4} \quad {}^{3} \quad {}^{2}}$$

$$-x - 9 x - 16 x + 16 x + 9 x + 1$$

Sequence: A237516
Score: 9.93739
Type of gen. func.: ogf

$$-\frac{(x^2 + 6 x + 1) (x^2 + 4 x + 1)}{(x - 1)^5}$$

Sequence: A237529
Score: 5.01994
Type of gen. func.: ogf

$$-\frac{3 (2 x^6 - 11 x^5 + 21 x^4 - 14 x^3 + x^2 + 34 x + 2)}{(x - 1)^9}$$

Sequence: A237530
Score: 5.13864
Type of gen. func.: ogf

$$\frac{x (x^7 - x^6 - 2 x^5 - 15 x^4 - 13 x^3 - 16 x^2 - 10 x - 4)}{(x^2 + x + 1) (x + 1)^3 (x - 1)^7}$$

Sequence: A237550
Score: 4.23678
Type of gen. func.: ogf

$$-(400 x^8 + 8000 x^7 + 2784 x^6 + 12832 x^5 + 3576 x^4 + 4752 x^3 + 1240 x^2 + 312 x + 81) / (400 x^8 + 608 x^6 + 192 x^4 - 1)$$

Sequence: A237560
Score: 4.00595
Type of gen. func.: ogf

$$-(1024 x^8 + 17600 x^7 + 4880 x^6 + 13968 x^5 + 3536 x^4 + 3720 x^3 + 932 x^2 + 316 x + 81) / (864 x^8 + 632 x^6 + 140 x^4 + 4 x^2 - 1)$$

Sequence: A237616
Score: 12.6036
Type of gen. func.: ogf

$$\frac{x (14 x + 1)}{(x - 1)^4}$$

Sequence: A237616
Score: 15.9969
Type of gen. func.: lgdogf

$$-\frac{-42 x - 18}{-14 x^2 + 13 x + 1}$$

Sequence: A237616
Score: 5.43686
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 3) + (5 - 13 n) a(n + 2) + (42 + 14 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 18\}$$

Sequence: A237616
Score: 5.73683
Type of gen. func.: ogf

$$-(60905250 f(x) + 362858239)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 14 x^2 + f(x) - x)$$

Sequence: A237617
Score: 12.2404
Type of gen. func.: ogf

$$\frac{x\,(16\,x+1)}{(x-1)^4}$$

Sequence: A237617
Score: 15.5359
Type of gen. func.: lgdogf

$$-\frac{-48\,x-20}{-16\,x^2+15\,x+1}$$

Sequence: A237617
Score: 5.28016
Type of gen. func.: ogf

$$\{(-2-n)\,a(n+3)+(5-15\,n)\,a(n+2)+(48+16\,n)\,a(n+1),\ a(0)=0,$$

$$a(1)=1,\ a(2)=20\}$$

Sequence: A237617
Score: 5.53332
Type of gen. func.: ogf

$$-(128042606\,f(x)+865157417)$$

$$(f(x)\,x^4-4\,f(x)\,x^3+6\,f(x)\,x^2-4\,f(x)\,x-16\,x^2+f(x)-x)$$

Sequence: A237618
Score: 11.9343
Type of gen. func.: ogf

$$\frac{x\,(18\,x+1)}{(x-1)^4}$$

Sequence: A237618
Score: 15.1474
Type of gen. func.: lgdogf

$$-54\,x-22$$

$$-\frac{}{-18 x^{2} + 17 x + 1}$$

Sequence: A237618
Score: 5.14814
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 3) + (5 - 17 n) a(n + 2) + (54 + 18 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 22\}$$

Sequence: A237618
Score: 5.35827
Type of gen. func.: ogf

$$-(248007722 f(x) + 1873957959) (f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 4 f(x) x - 18 x^{2} + f(x) - x)$$

Sequence: A237629
Score: 4.18616
Type of gen. func.: ogf

$$- (4392 x^{10} - 1100 x^{9} - 44610 x^{8} - 20120 x^{7} + 24794 x^{6} + 14580 x^{5} + 2643 x^{4} + 532 x^{3} - 986 x^{2} - 636 x - 81) / ((2 x + 1) (2 x - 1) (5 x^{2} - 1) (5 x^{2} + 1))$$

Sequence: A237630
Score: 4.96570
Type of gen. func.: ogf

$$- (400 x^{8} + 800 x^{7} + 1496 x^{6} + 2576 x^{5} + 1705 x^{4} + 1786 x^{3} + 702 x^{2} + 260 x + 81) / (48 x^{6} + 36 x^{4} - 1)$$

Sequence: A237631

Score: 3.70239
Type of gen. func.: ogf

$$2 (5 x^{11} - 68 x^{10} - 324 x^9 - 614 x^8 - 1134 x^7 - 1410 x^6 - 713 x^5 - 4 x^4 + 788 x^3 + 610 x^2 + 318 x + 130) / (6 x^8 + 12 x^7 - 10 x^4 - 3 x^3 + 1)$$

Sequence: A237632
Score: 4.45549
Type of gen. func.: ogf

$$- 2 (16 x^{12} + 24 x^{11} + 9 x^{10} - 48 x^9 - 48 x^8 - 116 x^7 - 554 x^6 - 990 x^5 - 361 x^4 + 744 x^3 + 655 x^2 + 610 x + 351) / ((2 x^2 - 1) (2 x^2 + 1))$$

Sequence: A237633
Score: 4.23126
Type of gen. func.: ogf

$$2 (x^{13} + 6 x^{12} + 9 x^{11} - 14 x^{10} - 47 x^9 - 44 x^8 - 22 x^7 + 732 x^6 + 3670 x^5 + 3057 x^4 - 1006 x^3 - 744 x^2 - 1178 x - 893) / (5 x^4 - 1)$$

Sequence: A237634
Score: 5.10329
Type of gen. func.: ogf

$$- (288 x^{12} - 528 x^{10} - 862 x^8 + 48 x^7 - 588 x^6 - 12344 x^5 - 13862 x^4 + 2816 x^3 + 2086 x^2 + 4500 x + 4621) / ((2 x^2 - 1) (2 x^2 + 1))$$

Sequence: A237635
Score: 4.48973
Type of gen. func.: ogf

$$2 (49 x^{13} - 196 x^{11} - 147 x^9 - 28 x^8 + 722 x^7 + 1258 x^6 + 16801 x^5 + 27012 x^4$$

$$- 2220 x^3 - 1450 x^2 - 4297 x - 5968) \Big/ (5 x^4 - 1)$$

Sequence: A237636
Score: 4.28188
Type of gen. func.: ogf

$$- 2 (484 x^{14} - 1364 x^{12} - 975 x^{10} + 2354 x^8 + 32 x^7 + 908 x^6 - 26904 x^5 - 57434 x^4 + 2988 x^3 + 2066 x^2 + 8224 x + 15328) \Big/ ((2 x^2 - 1) (2 x^2 + 1))$$

Sequence: A237654
Score: 15.0178
Type of gen. func.: lgdogf

$$- \frac{5 x^2 - 10 x}{x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A237654
Score: 22.3436
Type of gen. func.: ogf

$$\frac{1}{(x^2 - 3 x + 1) (x + 1)^3}$$

Sequence: A237654
Score: 4.67391
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (2 n + 6) a(n + 3) + (14 + 2 n) a(n + 2) + (-6 - n) a(n + 1), a(0) = 1, a(1) = 0, a(2) = 5, a(3) = 5\}$$

Sequence: A237655
Score: 14.3083

Type of gen. func.: lgdogf

$$-\frac{5 x^2 - 20 x + 10}{-x^3 + 2 x^2 + 2 x - 1}$$

Sequence: A237655
Score: 4.67499
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-16 - 2 n) a(n + 3) + (16 - 2 n) a(n + 2) + (-4 + n) a(n + 1), a(0) = 1, a(1) = 10, a(2) = 50, a(3) = 175\}$$

Sequence: A237655
Score: 9.73554
Type of gen. func.: ogf

$$\frac{(x + 1)^7}{x^2 - 3 x + 1}$$

Sequence: A237684
Score: 13.8678
Type of gen. func.: ogf

$$-\frac{x^8 - x^7 + x^6 + 1}{x - 1}$$

Sequence: A237714
Score: 18.6962
Type of gen. func.: ogf

$$-\frac{x + 1}{2 x^5 + x^2 - 1}$$

Sequence: A237714
Score: 9.44449

Type of gen. func.: lgdogf

$$-\frac{8x^5+10x^4+x^2+2x+1}{2x^6+2x^5+x^3+x^2-x-1}$$

Sequence: A237714
Score: 9.64332
Type of gen. func.: ogf

$$f(x)\,(f(x)-1)\,(2\,f(x)\,x^5+f(x)\,x^2-f(x)+x+1)$$

Sequence: A237716
Score: 15.7273
Type of gen. func.: ogf

$$-\frac{x+1}{2x^7+x^2-1}$$

Sequence: A237718
Score: 13.9620
Type of gen. func.: ogf

$$-\frac{x+1}{2x^9+x^2-1}$$

Sequence: A237853
Score: 7.32197
Type of gen. func.: ogf

$$-\frac{x^4+3x^3+7x^2+2x+4}{x^5+2x^4+4x^3-2x^2+3x-1}$$

Sequence: A237914
Score: 5.83322
Type of gen. func.: ogf

$$(f(x)\,x - f(x) + 1)^2$$

Sequence: A237930
Score: 10.9054
Type of gen. func.: lgdogf

$$-\frac{-6\,x^2 + 18\,x - 10}{-6\,x^3 + 17\,x^2 - 14\,x + 3}$$

Sequence: A237930
Score: 16.4792
Type of gen. func.: ogf

$$-\frac{2\,x - 3}{(3\,x - 1)\,(x - 1)}$$

Sequence: A237930
Score: 8.52372
Type of gen. func.: ogf

$$(11\,f(x) + 17)\,(3\,f(x)\,x^2 - 4\,f(x)\,x + f(x) + 2\,x - 3)$$

Sequence: A237930
Score: 8.93451
Type of gen. func.: ogf

$$\{-a(n + 2) + 4\,a(n + 1) - 3\,a(n),\ a(0) = 3,\ a(1) = 10\}$$

Sequence: A237938
Score: 4.12637
Type of gen. func.: ogf

$$-\frac{456\,x^6 - 20\,x^5 - 1620\,x^4 - 178\,x^3 + 998\,x^2 + 211\,x - 81}{(x - 1)\,(6\,x^3 - 8\,x^2 - 5\,x + 1)\,(4\,x^3 + 8\,x^2 + 2\,x - 1)}$$

Sequence: A237988
Score: 10.0692
Type of gen. func.: ogf

$$\frac{x\,(x^7 - x^5 + x^3 - 2\,x^2 - x - 1)}{x^9 + 3\,x^6 + 3\,x^3 - 1}$$

Sequence: A237991
Score: 10.5321
Type of gen. func.: lgdogf

$$-\frac{992\,x^2 + 3962\,x + 992}{992\,x^3 - 3\,x^2 - 988\,x - 1}$$

Sequence: A237991
Score: 12.1524
Type of gen. func.: ogf

$$-\frac{992\,x^2 + 989\,x + 1}{(x - 1)^3}$$

Sequence: A237991
Score: 6.26909
Type of gen. func.: ogf

$(91156\,f(x) - 61819591)$

$$(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 992\,x^2 - f(x) + 989\,x + 1)$$

Sequence: A237991
Score: 6.75132
Type of gen. func.: ogf

$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 1,\ a(1) = 992,\ a(2) = 3965\}$

Sequence: A237997
Score: 14.1581
Type of gen. func.: ogf

$$-\frac{1}{(x+1)(x^3+x-1)(x^4+1)}$$

Sequence: A237997
Score: 7.75973
Type of gen. func.: lgdogf

$$-\frac{8x^7+7x^6+6x^5+3x^2+2x}{x^8+x^7+x^6+x^3+x^2-1}$$

Sequence: A238039
Score: 4.51202
Type of gen. func.: ogf

$$-\frac{6912x^7+1600x^6+9008x^5+2116x^4+3344x^3+792x^2+340x+81}{(6x^2+1)(64x^6+68x^4+14x^2-1)}$$

Sequence: A238055
Score: 10.9704
Type of gen. func.: lgdogf

$$-\frac{-15x^2+36x-19}{-15x^3+38x^2-29x+6}$$

Sequence: A238055
Score: 17.0651
Type of gen. func.: ogf

$$-\frac{5x-6}{(3x-1)(x-1)}$$

Sequence: A238055
Score: 8.72648
Type of gen. func.: ogf

$$(40 f(x) + 121) (3 f(x) x^2 - 4 f(x) x + f(x) + 5 x - 6)$$

Sequence: A238055
Score: 9.25218
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 3 a(n), a(0) = 6, a(1) = 19\}$$

Sequence: A238084
Score: 6.49899
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A238108
Score: 4.82824
Type of gen. func.: ogf

$$-\frac{8 x^6 - 26 x^5 + 47 x^4 - 34 x^3 + 21 x^2 - 7 x + 1}{(x - 1)^7}$$

Sequence: A238111
Score: 14.2473
Type of gen. func.: ogf

$$-f(x)^2 x - 2 f(x) x + 2 f(x) - 4$$

Sequence: A238111
Score: 19.1043
Type of gen. func.: revogf

2

$$-\frac{x - 2 x}{2 x + 4}$$

Sequence: A238111
Score: 4.02196
Type of gen. func.: ogf

$$\{(n^2 + n) a(n) + (-5 n^2 - 11 n - 6) a(n + 1) + (-5 n^2 - 29 n - 42) a(n + 2)$$
$$+ (n^2 + 7 n + 12) a(n + 3), a(0) = 2, a(1) = 4, a(2) = 12\}$$

Sequence: A238112
Score: 11.2719
Type of gen. func.: ogf

$$2 f(x)^2 x - 2 f(x) x^2 + 5 f(x) x + x^2 - f(x)$$

Sequence: A238112
Score: 12.6809
Type of gen. func.: lgdogf

$$\frac{x + 3}{2 x (x^2 - 6 x + 1)^{1/2}} - \frac{3}{2 x}$$

Sequence: A238112
Score: 5.43466
Type of gen. func.: ogf

$$\{(7 n^2 - n - 6) a(n) + (-42 n^2 - 57 n - 21) a(n + 1)$$
$$+ (7 n^2 + 20 n - 3) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A238113
Score: 14.282
Type of gen. func.: ogf

$$-2 f(x)^2 x - 5 f(x) x + 3 f(x) - 2 x - 3$$

Sequence: A238113
Score: 14.9961
Type of gen. func.: revogf

$$-\frac{5 x}{4} - 3/4 + \frac{3 (x^{2} + 6 x + 1)^{1/2}}{4}$$

Sequence: A238113
Score: 4.28459
Type of gen. func.: ogf

$$\{(3 n^{2} + 3 n) a(n) + (-17 n^{2} - 41 n - 24) a(n + 1)$$

$$+ (-3 n^{2} - 21 n - 36) a(n + 2) + (n^{2} + 7 n + 12) a(n + 3), a(0) = 1,$$

$$a(1) = 3, a(2) = 9\}$$

Sequence: A238173
Score: 4.65035
Type of gen. func.: ogf

$$-\frac{456 x^{5} + 234 x^{4} - 1083 x^{3} + 119 x^{2} + 387 x - 81}{(x - 1) (2 x^{2} + 3 x - 1) (12 x^{3} - 3 x^{2} - 6 x + 1)}$$

Sequence: A238187
Score: 5.34951
Type of gen. func.: ogf

$$-(3 f(x) + 13) (4 f(x) x^{4} - 10 f(x) x^{3} + 10 f(x) x^{2} + 10 x^{3} - 5 f(x) x - 20 x^{2}$$

$$+ f(x) + 15 x - 4)$$

Sequence: A238187
Score: 9.58998
Type of gen. func.: ogf

3 2

$$-\frac{10 x - 20 x + 15 x - 4}{(2 x - 1) (x - 1) (2 x^{2} - 2 x + 1)}$$

Sequence: A238188
Score: 5.83576
Type of gen. func.: ogf

$$\frac{x^{2} (x^{8} - x^{6} + 2 x^{4} - 2 x^{2} - 1) (x^{2} + x + 1) (x^{3} - x^{2} + 1)}{x^{16} + 4 x^{12} + 6 x^{8} + 4 x^{4} - 1}$$

Sequence: A238236
Score: 10.9142
Type of gen. func.: ogf

$$-\frac{x^{2} + x - 1}{(x - 1) (x^{3} + 3 x^{2} + 2 x - 1)}$$

Sequence: A238236
Score: 5.83782
Type of gen. func.: ogf

$$(f(x) - 1) (f(x) x^{4} + 2 f(x) x^{3} - f(x) x^{2} - 3 f(x) x + x^{2} + f(x) + x - 1)$$

Sequence: A238236
Score: 8.18562
Type of gen. func.: lgdogf

$$-\frac{-2 x^{5} - 5 x^{4} + 4 x^{2} - 2}{-x^{6} - 3 x^{5} + 6 x^{3} + x^{2} - 4 x + 1}$$

Sequence: A238275
Score: 11.1277
Type of gen. func.: lgdogf

$$-\frac{7x^2+14x-9}{7x^3-x^2-7x+1}$$

Sequence: A238275
Score: 16.0734
Type of gen. func.: ogf

$$\frac{x+1}{(7x-1)(x-1)}$$

Sequence: A238275
Score: 8.31384
Type of gen. func.: ogf

$$(58 f(x) + 23) (7 f(x) x^2 - 8 f(x) x + f(x) - x - 1)$$

Sequence: A238275
Score: 8.82077
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 7 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A238276
Score: 10.4713
Type of gen. func.: lgdogf

$$-\frac{8x^2+16x-10}{8x^3-x^2-8x+1}$$

Sequence: A238276
Score: 15.3579
Type of gen. func.: ogf

$$\frac{x+1}{(8x-1)(x-1)}$$

Sequence: A238276
Score: 7.59458
Type of gen. func.: ogf

$$(1481 f(x) + 1019) (8 f(x) x^2 - 9 f(x) x + f(x) - x - 1)$$

Sequence: A238276
Score: 8.32658
Type of gen. func.: ogf

$$\{-a(n + 2) + 9 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A238290
Score: 12.6385
Type of gen. func.: lgdogf

$$- \frac{-6 x^2 - 15 x - 7}{-3 x^3 - 4 x^2 + 3 x + 4}$$

Sequence: A238290
Score: 14.4123
Type of gen. func.: ogf

$$\frac{2 x (3 x + 4)}{(x + 1) (x - 1)^2}$$

Sequence: A238290
Score: 7.33485
Type of gen. func.: ogf

$$(511 f(x) + 1130) (f(x) x^3 - f(x) x^2 - f(x) x - 6 x^2 + f(x) - 8 x)$$

Sequence: A238290
Score: 7.33485
Type of gen. func.: ogf

$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 8, a(2) = 14\}$

Sequence: A238299
Score: 10.6688
Type of gen. func.: ogf

$$-9 f(x)^2 x^2 + f(x) x^2 - 4 f(x) x + f(x) - 1$$

Sequence: A238299
Score: 12.6384
Type of gen. func.: lgdogf

$$- \frac{x - 1}{(x^2 - 10 x + 1)^{1/2} x} - 1/x$$

Sequence: A238299
Score: 3.85680
Type of gen. func.: ogf

$$\{(n^2 + 2 n) a(n) + (-11 n^2 - 40 n - 33) a(n + 1) + (11 n^2 + 70 n + 108) a(n + 2) + (-n^2 - 8 n - 15) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 24\}$$

Sequence: A238300
Score: 11.9837
Type of gen. func.: lgdogf

$$- \frac{2 (x - 1)}{(x^2 - 10 x + 1)^{1/2} x} - 2/x$$

Sequence: A238300
Score: 23.2296
Type of gen. func.: lgdogf

```
             2 (x - 1)
  - -------------------- - 2/x
```

$$(x^2 - 10 x + 1)^{1/2} x$$

Sequence: A238300
Score: 3.63992
Type of gen. func.: ogf

$$\{(-n^2 - 4 n) a(n) + (11 n^2 + 62 n + 75) a(n + 1) + (-11 n^2 - 92 n - 180) a(n + 2) + (n^2 + 10 n + 21) a(n + 3), a(0) = 1, a(1) = 8, a(2) = 64\}$$

Sequence: A238300
Score: 8.11399
Type of gen. func.: ogf

$$81 f(x)^2 x^4 - f(x) x^4 + 8 f(x) x^3 + 8 f(x) x - f(x) + 1$$

Sequence: A238315
Score: 6.96796
Type of gen. func.: ogf

$$-\frac{2 x^4 - 6 x^3 + 8 x^2 - x - 1}{(2 x + 1) (2 x - 1) (x - 1)^3}$$

Sequence: A238328
Score: 5.42911
Type of gen. func.: ogf

$$-\frac{4 (4 x^6 + 15 x^5 + 23 x^4 + 28 x^3 + 18 x^2 + 7 x + 1)}{(x^2 + x + 1)^2 (x - 1)^5}$$

Sequence: A238340
Score: 8.69525
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x^2 + x + 1)}{(x^2 + x + 1) (x - 1)^4}$$

Sequence: A238361
Score: 9.23284
Type of gen. func.: ogf

$$\frac{x^3 (x^2 + x + 1)}{(x^2 + x - 1) (x^3 + x^2 + x - 1)}$$

Sequence: A238366
Score: 11.0806
Type of gen. func.: lgdogf

$$- \frac{10 x^3 + 10 x^2 - 10 x - 2}{5 x^4 - 6 x^2 + 1}$$

Sequence: A238366
Score: 14.8438
Type of gen. func.: ogf

$$\frac{x + 1}{(x - 1) (5 x^2 - 1)}$$

Sequence: A238366
Score: 7.02431
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - 5 a(n + 1) + 5 a(n), a(0) = 1, a(1) = 2, a(2) = 7}

Sequence: A238366
Score: 7.49259
Type of gen. func.: ogf

3   2

$$(96 f(x) + 89) (5 f(x) x - 5 f(x) x - f(x) x + f(x) - x - 1)$$

Sequence: A238374
Score: 8.04014
Type of gen. func.: lgdogf

$$-\frac{-2 x^{7} - 2 x^{6} - 2 x^{5} - 4 x^{4} + 4 x + 2}{-x^{8} - x^{6} + 2 x^{4} + x^{2} - 1}$$

Sequence: A238374
Score: 9.45899
Type of gen. func.: ogf

$$\frac{(x + 1) (x^{2} + 1)}{(x - 1) (x^{4} + x^{2} - 1)}$$

Sequence: A238375
Score: 11.9220
Type of gen. func.: ogf

$$\frac{x + 1}{(x - 1) (x^{4} + 2 x^{2} - 1)}$$

Sequence: A238375
Score: 9.79310
Type of gen. func.: lgdogf

$$-\frac{-4 x^{5} - 2 x^{4} - 4 x^{2} + 4 x + 2}{-x^{6} - x^{4} + 3 x^{2} - 1}$$

Sequence: A238377
Score: 5.08467
Type of gen. func.: ogf

4 3 2

$$(189 f(x) - 365) (f(x) x - 2 f(x) x + 2 f(x) x + 2 x - f(x) + 1)$$

Sequence: A238377
Score: 8.29999
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 - 4 x^2 - 8 x - 2}{-2 x^4 + x^2 + 1}$$

Sequence: A238377
Score: 9.90174
Type of gen. func.: ogf

$$-\frac{2 x^2 + 1}{(x + 1) (x - 1)^3}$$

Sequence: A238379
Score: 12.8986
Type of gen. func.: ogf

$$-\frac{x - 1}{x^2 - 36 x + 1}$$

Sequence: A238379
Score: 6.31206
Type of gen. func.: ogf

$$-(1258 f(x) - 33) (f(x) x^2 - 36 f(x) x + f(x) + x - 1)$$

Sequence: A238379
Score: 7.06350
Type of gen. func.: ogf

$$\{a(n + 2) - 36 a(n + 1) + a(n), a(0) = 1, a(1) = 35\}$$

Sequence: A238379
Score: 8.85573
Type of gen. func.: lgdogf

$$-\frac{-x^2 + 2 x - 35}{-x^3 + 37 x^2 - 37 x + 1}$$

Sequence: A238383
Score: 9.34036
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + 1)}{(x - 1) (x^6 + x^2 - 1)}$$

Sequence: A238389
Score: 15.5897
Type of gen. func.: ogf

$$-\frac{x + 1}{3 x^3 + x^2 - 1}$$

Sequence: A238389
Score: 8.12653
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 1) - 3 a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A238389
Score: 8.58307
Type of gen. func.: ogf

$$-(f(x) - 6) (3 f(x) x^3 + f(x) x^2 - f(x) + x + 1)$$

Sequence: A238389
Score: 9.43079

Type of gen. func.: lgdogf

$$-\frac{6x^3+10x^2+2x+1}{3x^4+4x^3+x^2-x-1}$$

Sequence: A238391
Score: 10.5517
Type of gen. func.: lgdogf

$$-\frac{12x^5+15x^4+x^2+2x+1}{3x^6+3x^5+x^3+x^2-x-1}$$

Sequence: A238391
Score: 10.8849
Type of gen. func.: ogf

$$f(x)\,(f(x)-1)\,(3\,f(x)\,x^5+f(x)\,x^2-f(x)+x+1)$$

Sequence: A238391
Score: 21.1035
Type of gen. func.: ogf

$$-\frac{x+1}{3x^5+x^2-1}$$

Sequence: A238401
Score: 8.35202
Type of gen. func.: ogf

$$\frac{x^2\,(x^{29}-x^{28}+x^9-x^8+x^2-x+1)}{(x-1)^2}$$

Sequence: A238410
Score: 13.9822

Type of gen. func.: lgdogf

$$-\frac{2x^3+5x^2+8x+3}{x^4+x^3-x-1}$$

Sequence: A238410
Score: 15.4880
Type of gen. func.: ogf

$$-\frac{2x(x^2+x+1)}{(x+1)(x-1)^3}$$

Sequence: A238410
Score: 40.0924
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2+x+3$$

Sequence: A238410
Score: 8.38933
Type of gen. func.: ogf

$$-(7 f(x)-26)(f(x) x^4-2 f(x) x^3+2 x^3+2 f(x) x+2 x^2-f(x)+2 x)$$

Sequence: A238411
Score: 10.0940
Type of gen. func.: lgdogf

$$-\frac{-3x^3-5x^2-13x-3}{-x^4-x^3-x^2+x+2}$$

Sequence: A238411
Score: 10.0940
Type of gen. func.: ogf

$$-\frac{2 x (x^2 + x + 2)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A238419
Score: 13.9506
Type of gen. func.: lgdogf

$$-\frac{-6 x^2 + 8 x + 4}{-x^3 + 2 x^2 + 2 x - 1}$$

Sequence: A238419
Score: 16.5340
Type of gen. func.: ogf

$$\frac{x}{(x + 1)^2 (x^2 - 3 x + 1)^2}$$

Sequence: A238419
Score: 4.53217
Type of gen. func.: ogf

{(-3 - n) a(n + 4) + (8 + 2 n) a(n + 3) + (10 + 2 n) a(n + 2)

+ (-6 - n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 16}

Sequence: A238420
Score: 11.4523
Type of gen. func.: lgdogf

$$-\frac{-16 x^4 + 51 x^3 - 66 x^2 + 26 x + 9}{-4 x^5 + 15 x^4 - 10 x^3 - 10 x^2 + 15 x - 4}$$

Sequence: A238420
Score: 16.0951
Type of gen. func.: ogf

$$\frac{x (4 x^2 - 7 x + 4)}{(x + 1)^2 (x^2 - 3 x + 1)^2}$$

Sequence: A238438
Score: 12.0706
Type of gen. func.: ogf

$$-f(x)^2 x^3 + f(x) x^3 - 2 f(x) x + f(x) + x - 1$$

Sequence: A238468
Score: 19.9082
Type of gen. func.: ogf_with_Euler_transform]

$$x^6 - x^3 + x - 1$$

Sequence: A238468
Score: 7.74807
Type of gen. func.: ogf

$$- \frac{x^2 (x^2 + 1)}{x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}$$

Sequence: A238469
Score: 14.9994
Type of gen. func.: egf]_with_Euler_transform]

$$-1/24 x^4 + 1/720 x^6$$

Sequence: A238469
Score: 5.15527
Type of gen. func.: ogf

$$\frac{x (x^4 + x^3 + x^2 + x + 1)}{}$$

$$x^6 + x^5 + x^4 + x^3 + x^2 + x + 1$$

Sequence: A238470
Score: 18.6199
Type of gen. func.: ogf_with_Euler_transform]

$$[x^6 - x^2]$$

Sequence: A238470
Score: 5.82046
Type of gen. func.: ogf

$$\frac{x^2 (x^2 + x + 1)}{x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}$$

Sequence: A238471
Score: 7.60493
Type of gen. func.: lgdogf

$$- \frac{14 x^3 + 213 x^2 + 332 x + 66}{7 x^4 + 57 x^3 - 13 x^2 - 48 x - 3}$$

Sequence: A238471
Score: 7.60493
Type of gen. func.: ogf

$$- \frac{7 x^3 + 64 x^2 + 51 x + 3}{(x - 1)^5}$$

Sequence: A238472
Score: 7.64315
Type of gen. func.: ogf

$$3 x^3 + 51 x^2 + 64 x + 7$$

$$- \frac{}{(x-1)^5}$$

Sequence: A238472
Score: 7.73000
Type of gen. func.: lgdogf

$$- \frac{6 x^3 + 162 x^2 + 358 x + 99}{3 x^4 + 48 x^3 + 13 x^2 - 57 x - 7}$$

Sequence: A238473
Score: 7.63380
Type of gen. func.: lgdogf

$$- \frac{2 x^3 + 114 x^2 + 366 x + 143}{x^4 + 36 x^3 + 36 x^2 - 59 x - 14}$$

Sequence: A238473
Score: 7.63380
Type of gen. func.: ogf

$$- \frac{x^3 + 37 x^2 + 73 x + 14}{(x - 1)^5}$$

Sequence: A238474
Score: 10.7985
Type of gen. func.: lgdegf]

$$- \frac{x^2 + 4 x + 6}{x^3 + 4 x^2 + 6 x + 3}$$

Sequence: A238474
Score: 11.3296
Type of gen. func.: egf]

$$\frac{x^2 + 3 x + 3}{(x + 1)^3}$$

Sequence: A238474
Score: 6.00962
Type of gen. func.: egf]

$$-(9 f(x) - 7) (f(x) x^3 + 3 f(x) x^2 + 3 f(x) x - x^2 + f(x) - 3 x - 3)$$

Sequence: A238477
Score: 14.5047
Type of gen. func.: lgdogf

$$-\frac{-27 x - 37}{-27 x^2 + 22 x + 5}$$

Sequence: A238477
Score: 16.3966
Type of gen. func.: ogf

$$\frac{27 x + 5}{(x - 1)^2}$$

Sequence: A238477
Score: 8.38047
Type of gen. func.: ogf

$$(64 f(x) + 1049) (f(x) x^2 - 2 f(x) x + f(x) - 27 x - 5)$$

Sequence: A238477
Score: 9.08725
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 5, a(1) = 37\}$$

Sequence: A238497
Score: 6.48150
Type of gen. func.: ogf

$$-\frac{x^9 - x^8 + 2x^7 - 3x^6 + 5x^5 - 5x^4 - 3x^3 - 2x^2 - x - 1}{x^{10} - 18x^5 + 1}$$

Sequence: A238510
Score: 6.09836
Type of gen. func.: ogf

$$-\frac{14x^3 - 7x^2 - 15x + 4}{(x^2 + x - 1)(14x^3 - 21x^2 - 9x + 1)}$$

Sequence: A238518
Score: 4.15888
Type of gen. func.: ogf

$$\{-a(n+3) + 9a(n+2) + 21a(n+1) - 14a(n),\ a(0) = 84,\ a(1) = 588,\ a(2) = 7056\}$$

Sequence: A238518
Score: 4.19383
Type of gen. func.: ogf

$$-(8893 f(x) - 37296)(14 f(x) x^3 - 21 f(x) x^2 - 9 f(x) x + f(x) + 168x - 84)$$

Sequence: A238518
Score: 5.80309
Type of gen. func.: lgdogf

$$-\frac{-56x^3 + 84x^2 - 42x - 7}{-28x^4 + 56x^3 - 3x^2 - 11x + 1}$$

Sequence: A238518
Score: 8.60459
Type of gen. func.: ogf

$$-\frac{84 (2 x - 1)}{14 x^3 - 21 x^2 - 9 x + 1}$$

Sequence: A238531
Score: 10.7236
Type of gen. func.: ogf

$$-\frac{(x^2 - x + 1)^2}{(x - 1)^3}$$

Sequence: A238531
Score: 12.9019
Type of gen. func.: lgdogf

$$-\frac{x^2 - 3 x - 1}{-x^3 + 2 x^2 - 2 x + 1}$$

Sequence: A238531
Score: 24.9045
Type of gen. func.: ogf_with_Euler_transform]

$$-2 x^5 + 2 x^2 + 2 x + 1$$

Sequence: A238531
Score: 5.73416
Type of gen. func.: ogf

{a(n + 5) - 3 a(n + 4) + 3 a(n + 3) - a(n + 2), a(0) = 1, a(1) = 1, a(2) = 3,

a(3) = 5, a(4) = 8}

Sequence: A238531
Score: 6.20842
Type of gen. func.: ogf

$$-(26 f(x) + 31) (f(x) x^3 + x^4 - 3 f(x) x^2 - 2 x^3 + 3 f(x) x + 3 x^2 - f(x) - 2 x + 1)$$

Sequence: A238536
Score: 11.3773
Type of gen. func.: ogf

$$\frac{x^2 + 8 x + 1}{(x^2 + 3 x + 1) (x^2 - 7 x + 1)}$$

Sequence: A238536
Score: 5.64834
Type of gen. func.: ogf

$$-(32045 f(x) + 3843) (f(x) x^4 - 4 f(x) x^3 - 19 f(x) x^2 - 4 f(x) x - x^2 + f(x) - 8 x - 1)$$

Sequence: A238536
Score: 6.52798
Type of gen. func.: lgdogf

$$- \frac{-2 x^5 - 20 x^4 + 60 x^3 + 160 x^2 + 40 x + 12}{-x^6 - 4 x^5 + 50 x^4 + 160 x^3 + 50 x^2 - 4 x - 1}$$

Sequence: A238537
Score: 4.58711
Type of gen. func.: ogf

$$(175620068 f(x) + 480003) (f(x) x^4 - 28 f(x) x^3 - 202 f(x) x^2 - 28 f(x) x - x^2 + f(x) - 14 x - 1)$$

Sequence: A238537
Score: 9.11222
Type of gen. func.: ogf

$$\frac{x^2 + 14 x + 1}{(x^2 - 34 x + 1) (x^2 + 6 x + 1)}$$

Sequence: A238538
Score: 4.57163
Type of gen. func.: ogf

$$-(748157 f(x) - 187808) (256 f(x) x^4 - 432 f(x) x^3 + 202 f(x) x^2 - 27 f(x) x - 16 x^2 + f(x) + 12 x - 1)$$

Sequence: A238538
Score: 8.90882
Type of gen. func.: ogf

$$\frac{16 x^2 - 12 x + 1}{(x - 1) (2 x - 1) (8 x - 1) (16 x - 1)}$$

Sequence: A238539
Score: 4.78224
Type of gen. func.: ogf

$$(2244471 f(x) + 1265056) (256 f(x) x^4 - 112 f(x) x^3 - 138 f(x) x^2 - 7 f(x) x - 16 x^2 + f(x) - 28 x - 1)$$

Sequence: A238539
Score: 9.25395
Type of gen. func.: ogf

$$\frac{16 x^2 + 28 x + 1}{(x - 1) (8 x + 1) (2 x + 1) (16 x - 1)}$$

Sequence: A238540
Score: 4.34715
Type of gen. func.: ogf

$$-(6178398914 f(x) - 29717361) (6561 f(x) x^{4} - 9072 f(x) x^{3} + 2622 f(x) x^{2} - 112 f(x) x - 81 x^{2} + f(x) + 42 x - 1)$$

Sequence: A238540
Score: 8.58827
Type of gen. func.: ogf

$$\frac{81 x^{2} - 42 x + 1}{(x - 1) (81 x - 1) (3 x - 1) (27 x - 1)}$$

Sequence: A238541
Score: 3.62685
Type of gen. func.: ogf

$$(1076294893 f(x) - 7869418272) (1679616 f(x) x^{4} - 226800 f(x) x^{3} + 10158 f(x) x^{2} - 175 f(x) x - 1296 x^{2} + f(x) + 84 x - 1)$$

Sequence: A238541
Score: 6.77012
Type of gen. func.: ogf

$$\frac{1296 x^{2} - 84 x + 1}{(81 x - 1) (24 x - 1) (16 x - 1) (54 x - 1)}$$

Sequence: A238549
Score: 14.1816
Type of gen. func.: ogf

$$\frac{2 x^{2} + x + 1}{{}^{2}}$$

$$(x - 1) (2 x - 1)$$

Sequence: A238549
Score: 7.58839
Type of gen. func.: ogf

$$(94 f(x) + 637) (2 f(x) x^3 - 2 f(x) x^2 - f(x) x - 2 x^2 + f(x) - x - 1)$$

Sequence: A238549
Score: 7.72389
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 2 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A238549
Score: 9.40300
Type of gen. func.: lgdogf

$$-\frac{4 x^4 + 4 x^3 + 6 x^2 - 8 x - 2}{4 x^5 - 2 x^4 - 2 x^3 - x^2 + 1}$$

Sequence: A238578
Score: 5.11987
Type of gen. func.: ogf

$$-4 f(x)^2 x^3 - 8 f(x)^2 x^2 - 4 f(x) x^3 - 3 f(x)^2 x - 4 f(x) x^2 - 2 x^3 + f(x)^2 + f(x) x - 2 x^2$$

Sequence: A238600
Score: 5.88585
Type of gen. func.: ogf

$$\frac{x^4 + 14 x^3 - 74 x^2 + 14 x + 1}{(x^2 + 7 x + 1) (x^2 - 3 x + 1) (x^2 - 18 x + 1)}$$

Sequence: A238601
Score: 6.49066
Type of gen. func.: ogf

$$-\frac{x^4 - 22 x^3 - 181 x^2 + 22 x + 1}{(x^2 + 4 x - 1) (x^2 - 11 x - 1) (x^2 + 29 x - 1)}$$

Sequence: A238602
Score: 5.18941
Type of gen. func.: ogf

$$\frac{x^4 + 68 x^3 - 698 x^2 + 68 x + 1}{(x^2 - 6 x + 1) (x^2 + 34 x + 1) (x^2 - 198 x + 1)}$$

Sequence: A238603
Score: 4.97013
Type of gen. func.: ogf

$$\frac{4096 x^4 - 4352 x^3 + 1160 x^2 - 68 x + 1}{(x - 1) (4 x - 1) (64 x - 1) (2 x - 1) (16 x - 1) (32 x - 1)}$$

Sequence: A238604
Score: 4.56826
Type of gen. func.: ogf

$$-\frac{x (x^8 + 2 x^7 + 2 x^6 + 2 x^5 + 10 x^4 + 2 x^3 + 2 x^2 + 2 x + 1)}{(x + 1)^2 (x^2 + 1)^2 (x - 1)^5}$$

Sequence: A238630
Score: 5.34727
Type of gen. func.: ogf

$\{-a(n + 4) + 13 a(n + 3) - 39 a(n + 2) + 27 a(n + 1), a(0) = 1, a(1) = 3,$

$a(2) = 12, a(3) = 75\}$

Sequence: A238630
Score: 5.76832
Type of gen. func.: ogf

$$(16 f(x) + 101) (27 f(x) x^3 - 39 f(x) x^2 + 9 x^3 + 13 f(x) x + 12 x^2 - f(x) - 10 x + 1)$$

Sequence: A238630
Score: 9.89968
Type of gen. func.: ogf

$$- \frac{9 x^3 + 12 x^2 - 10 x + 1}{(x - 1) (3 x - 1) (9 x - 1)}$$

Sequence: A238631
Score: 3.73117
Type of gen. func.: ogf

$$(5543548169 + 1550817520 f(x)) (4096 f(x) x^4 - 5440 f(x) x^3 + 2048 x^4 + 1428 f(x) x^2 + 1460 x^3 - 85 f(x) x - 1067 x^2 + f(x) + 80 x - 1)$$

Sequence: A238631
Score: 6.50290
Type of gen. func.: ogf

$$- \frac{2048 x^4 + 1460 x^3 - 1067 x^2 + 80 x - 1}{(x - 1) (4 x - 1) (64 x - 1) (16 x - 1)}$$

Sequence: A238632
Score: 4.12462
Type of gen. func.: ogf

$$- \frac{1953125 x^5 + 4828125 x^4 - 2015125 x^3 + 96440 x^2 - 774 x + 1}{(x - 1) (125 x - 1) (25 x - 1) (625 x - 1) (5 x - 1)}$$

Sequence: A238644
Score: 12.5938
Type of gen. func.: ogf

$$-\frac{x^4 (x^2 - x + 1) (x + 1)}{x^6 + x^3 - x^2 + 2 x - 1}$$

Sequence: A238649
Score: 10.3543
Type of gen. func.: ogf

$$-\frac{3 (x^3 - 4 x - 1)}{x^4 - 5 x^2 - 2 x + 1}$$

Sequence: A238649
Score: 5.4404
Type of gen. func.: ogf

$$(1442 f(x) - 2643) (f(x) x^4 - 5 f(x) x^2 + 3 x^3 - 2 f(x) x + f(x) - 12 x - 3)$$

Sequence: A238702
Score: 8.10823
Type of gen. func.: ogf

$$-\frac{(x + 1) (2 x^2 + x + 1)}{(x^2 + x + 1) (x - 1)^5}$$

Sequence: A238705
Score: 9.66087
Type of gen. func.: ogf

$$-\frac{(x + 1) (2 x^2 + x + 1)}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A238706
Score: 7.18189
Type of gen. func.: ogf

$$\frac{x (x - 2) (x + 1) (2 x^2 + x + 1)}{(x^2 + x + 1) (x - 1)^5}$$

Sequence: A238720
Score: 13.0117
Type of gen. func.: ogf

$$-\frac{2 (2 x^3 - 2 x - 1)}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A238720
Score: 7.49159
Type of gen. func.: ogf

$$-(4 f(x) + 335) (4 f(x) x^4 - 5 f(x) x^2 + 4 x^3 + f(x) - 4 x - 2)$$

Sequence: A238721
Score: 5.25913
Type of gen. func.: ogf

$$-\frac{2 (76 x^7 + 4 x^6 - 101 x^5 - 20 x^4 + 42 x^3 + 14 x^2 - 5 x - 2)}{152 x^8 - 210 x^6 + 96 x^4 - 17 x^2 + 1}$$

Sequence: A238738
Score: 10.5127
Type of gen. func.: ogf

$$-\frac{2 x^2 + 2 x + 1}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A238738
Score: 8.17658
Type of gen. func.: lgdogf

$$-\frac{-10 x^4 - 14 x^3 - 11 x^2 - 7 x - 3}{-2 x^5 - 2 x^4 - x^3 + 2 x^2 + 2 x + 1}$$

Sequence: A238755
Score: 15.2278
Type of gen. func.: lgdogf

$$-4/x + \frac{4}{x (x^2 - 6 x + 1)^{1/2}}$$

Sequence: A238755
Score: 4.47369
Type of gen. func.: ogf

$$\{(n^2 + 7 n + 12) a(n + 1) + (-6 n^2 - 51 n - 108) a(n + 2)$$

$$+ (n^2 + 10 n + 9) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A238768
Score: 11.2059
Type of gen. func.: ogf

$$-\frac{2 x^2 + 3 x + 3}{2 x^3 + 2 x^2 + x - 1}$$

Sequence: A238768
Score: 5.8424
Type of gen. func.: ogf

$$-(19 f(x) - 29) (2 f(x) x^3 + 2 f(x) x^2 + f(x) x + 2 x^2 - f(x) + 3 x + 3)$$

Sequence: A238768
Score: 6.04922
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 2 a(n + 1) - 2 a(n), a(0) = 3, a(1) = 6, a(2) = 14\}$$

Sequence: A238768
Score: 7.04703
Type of gen. func.: lgdogf

$$-\frac{-4 x^4 - 12 x^3 - 22 x^2 - 16 x - 6}{-4 x^5 - 10 x^4 - 14 x^3 - 7 x^2 + 3}$$

Sequence: A238804
Score: 7.14866
Type of gen. func.: ogf

$$- x \left(2 x^{22} - x^{21} - x^{19} + x^{18} - x^{17} + x^7 - x^6 + 3 x^5 + 3 x^4 - 2 x^3 - 2 x^2 - x - 2\right) \Big/ (x - 1)^2$$

Sequence: A238806
Score: 10.3324
Type of gen. func.: ogf

$$\frac{x^3 + x^2 - 4 x + 3}{(x - 1)^4}$$

Sequence: A238806
Score: 10.8985
Type of gen. func.: lgdogf

$$x^3 + 5 x^2 - 10 x + 8$$

$$-\frac{}{x^{4} - 5 x^{2} + 7 x - 3}$$

Sequence: A238806
Score: 4.05914
Type of gen. func.: ogf

$$\{(-451 n^{2} - 2627 n - 3450) a(n + 1) + (828 n^{2} + 3264 n + 480) a(n + 2)$$

$$+ (-377 n^{2} - 859 n + 816) a(n + 3), a(0) = 3, a(1) = 8, a(2) = 15\}$$

Sequence: A238806
Score: 5.60276
Type of gen. func.: ogf

$$-(2 f(x) - 45)$$

$$(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - x^{3} - 4 f(x) x - x^{2} + f(x) + 4 x - 3)$$

Sequence: A238807
Score: 4.82555
Type of gen. func.: ogf

$$-\frac{6 x^{8} - 16 x^{7} + 27 x^{6} - 41 x^{5} + 51 x^{4} - 43 x^{3} + 27 x^{2} - 13 x + 4}{(x - 1)^{7}}$$

Sequence: A238823
Score: 7.25732
Type of gen. func.: ogf

$$-\frac{(x - 1) (3 x^{5} + 2 x^{4} - 4 x^{2} - x + 2)}{x^{7} - 3 x^{6} - x^{5} - x^{4} + 4 x^{3} - 3 x + 1}$$

Sequence: A238824
Score: 5.66661
Type of gen. func.: ogf

$$-\frac{x (x^6 - x^5 - x^4 - 2 x^3 + 2 x^2 + x - 1)}{(x + 1) (x^7 - 3 x^6 - x^5 - x^4 + 4 x^3 - 3 x + 1)}$$

Sequence: A238825
Score: 7.03443
Type of gen. func.: ogf

$$\frac{x^3 (x - 1) (x^3 + x^2 - 1)}{x^7 - 3 x^6 - x^5 - x^4 + 4 x^3 - 3 x + 1}$$

Sequence: A238826
Score: 7.56739
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^3 + x^2 - 1) (x - 1)^2}{x^7 - 3 x^6 - x^5 - x^4 + 4 x^3 - 3 x + 1}$$

Sequence: A238827
Score: 8.34310
Type of gen. func.: ogf

$$-\frac{x^6 (x^3 + x^2 - 1)}{(x + 1) (x^7 - 3 x^6 - x^5 - x^4 + 4 x^3 - 3 x + 1)}$$

Sequence: A238828
Score: 6.93148
Type of gen. func.: ogf

$$\frac{x^2 (2 x^5 - 2 x^2 + 1)}{(x + 1) (x^7 - 3 x^6 - x^5 - x^4 + 4 x^3 - 3 x + 1)}$$

Sequence: A238829
Score: 7.37662
Type of gen. func.: ogf

$$-\frac{(x-1)(2x^5+x^4+x^3-2x^2-x+1)}{x^7-3x^6-x^5-x^4+4x^3-3x+1}$$

Sequence: A238830
Score: 5.76699
Type of gen. func.: ogf

$$\frac{x^3(x^5-x^2+x+1)}{(x^7-3x^6-x^5-x^4+4x^3-3x+1)(x+1)^2}$$

Sequence: A238831
Score: 7.33739
Type of gen. func.: ogf

$$-\frac{x^5(2x+1)(x-1)(x^2+x+1)}{(x^7-3x^6-x^5-x^4+4x^3-3x+1)(x+1)^2}$$

Sequence: A238832
Score: 7.24787
Type of gen. func.: ogf

$$\frac{x^2(2x^5+2x^4+x^3-2x^2+1)}{(x^7-3x^6-x^5-x^4+4x^3-3x+1)(x+1)^2}$$

Sequence: A238833
Score: 5.92060
Type of gen. func.: ogf

$$-\frac{x(x^8+2x^7+x^6-2x^5-2x^4-x^3+3x^2+x-1)}{(x^7-3x^6-x^5-x^4+4x^3-3x+1)(x+1)^2}$$

Sequence: A238846
Score: 12.2777
Type of gen. func.: lgdogf

$$-\frac{-6 x^2 + 10 x - 4}{-2 x^3 + 7 x^2 - 5 x + 1}$$

Sequence: A238846
Score: 12.8718
Type of gen. func.: ogf

$$-\frac{2 x - 1}{(x^2 - 3 x + 1)^2}$$

Sequence: A238846
Score: 3.99025
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (19 + 5 n) a(n + 3) + (-24 - 7 n) a(n + 2) + (8 + 2 n) a(n + 1), a(0) = 1, a(1) = 4, a(2) = 13, a(3) = 40\}$$

Sequence: A238846
Score: 6.38439
Type of gen. func.: ogf

$$(167 f(x) - 23) (f(x) x^4 - 6 f(x) x^3 + 11 f(x) x^2 - 6 f(x) x + f(x) + 2 x - 1)$$

Sequence: A238906
Score: 11.9559
Type of gen. func.: ogf

$$-\frac{3 (x - 1)}{3 x^3 - 6 x^2 - 4 x + 1}$$

Sequence: A238906
Score: 5.60764
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) + 6 a(n + 1) - 3 a(n), a(0) = 3, a(1) = 9, a(2) = 54\}$$

Sequence: A238906
Score: 5.76058
Type of gen. func.: ogf

$$-(439 f(x) - 57) (3 f(x) x^3 - 6 f(x) x^2 - 4 f(x) x + f(x) + 3 x - 3)$$

Sequence: A238906
Score: 7.72760
Type of gen. func.: lgdogf

$$- \frac{-6 x^3 + 15 x^2 - 12 x - 3}{-3 x^4 + 9 x^3 - 2 x^2 - 5 x + 1}$$

Sequence: A238908
Score: 4.36421
Type of gen. func.: ogf

$$- \frac{54 (9 x^4 - 39 x^3 - 6 x^2 + 13 x - 1)}{(9 x^3 + 12 x^2 - 6 x - 1) (9 x^3 - 60 x^2 + 28 x - 1)}$$

Sequence: A238913
Score: 9.44362
Type of gen. func.: ogf

$$\frac{x^3 (x + 1)}{(x^2 + x - 1) (x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A238914
Score: 5.90339

Type of gen. func.: ogf

$$\frac{x^4 (x^3 - x - 2)}{(x + 1) (x^6 - x^5 + x^4 - 3 x^3 + 3 x^2 - 3 x + 1) (x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A238923
Score: 13.5218
Type of gen. func.: lgdogf

$$- \frac{-6 x - 3}{-3 x^2 - 3 x + 1}$$

Sequence: A238923
Score: 19.0896
Type of gen. func.: ogf

$$- \frac{12}{3 x^2 + 3 x - 1}$$

Sequence: A238923
Score: 7.63585
Type of gen. func.: ogf

$$(19 f(x) - 120) (3 f(x) x^2 + 3 f(x) x - f(x) + 12)$$

Sequence: A238923
Score: 7.72674
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) + 3 a(n), a(0) = 12, a(1) = 36\}$$

Sequence: A238936
Score: 8.8555
Type of gen. func.: ogf

$$(6 f(x) x - f(x) + 1)^2$$

Sequence: A238976
Score: 10.3863
Type of gen. func.: lgdogf

$$-\frac{-162 x^3 + 36 x^2 + 78 x - 16}{-81 x^4 + 90 x^3 - 10 x + 1}$$

Sequence: A238976
Score: 13.8484
Type of gen. func.: ogf

$$-\frac{x (3 x + 1)}{(x - 1) (3 x - 1) (9 x - 1)}$$

Sequence: A238976
Score: 7.22526
Type of gen. func.: ogf

{a(n + 3) - 13 a(n + 2) + 39 a(n + 1) - 27 a(n), a(0) = 0, a(1) = 1, a(2) = 16}

Sequence: A238976
Score: 7.48564
Type of gen. func.: ogf

$$(16 f(x) + 1) (27 f(x) x^3 - 39 f(x) x^2 + 13 f(x) x + 3 x^2 - f(x) + x)$$

Sequence: A238984
Score: 7.75192
Type of gen. func.: ogf

$$\frac{2 (8 x^8 + 16 x^7 + 7 x^6 - 92 x^5 - 31 x^4 - 24 x^3 - 16 x^2 - 4 x - 1)}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A238991
Score: 3.75986
Type of gen. func.: ogf

$$-\left(16x^{8}+52x^{7}-80x^{6}-53x^{5}+85x^{4}+32x^{3}-50x^{2}-x+7\right) \Big/ \left((2x-1)(x-1)\left(8x^{7}+38x^{6}+19x^{5}-29x^{4}-18x^{3}+12x^{2}+3x-1\right)\right)$$

Sequence: A239019
Score: 13.3343
Type of gen. func.: ogf

$$\frac{90x^{19}-100x^{18}+99x^{10}+x^{9}+11}{(x-1)^{2}}$$

Sequence: A239024
Score: 11.6192
Type of gen. func.: ogf

$$-\frac{4x^{3}+x^{2}-3x-1}{(x-1)(2x+1)(2x-1)(x+1)}$$

Sequence: A239024
Score: 7.05837
Type of gen. func.: ogf

$$-(4f(x)+239)\left(4f(x)x^{4}-5f(x)x^{2}+4x^{3}+x^{2}+f(x)-3x-1\right)$$

Sequence: A239025
Score: 5.24220
Type of gen. func.: ogf

$$-\frac{104x^{7}+28x^{6}-120x^{5}-31x^{4}+40x^{3}+10x^{2}-4x-1}{152x^{8}-210x^{6}+96x^{4}-17x^{2}+1}$$

Sequence: A239031
Score: 7.57854
Type of gen. func.: lgdogf

$$-\frac{-5x^4+2x^3-6x^2+10x-11}{-5x^5+16x^4-24x^3+22x^2-13x+4}$$

Sequence: A239031
Score: 7.96919
Type of gen. func.: ogf

$$-\frac{5x^4-11x^3+13x^2-9x+4}{(x-1)^5}$$

Sequence: A239032
Score: 5.42709
Type of gen. func.: ogf

$$-\frac{4x^7-3x^6-6x^5+25x^4-33x^3+26x^2-12x+4}{(x-1)^7}$$

Sequence: A239035
Score: 26.0918
Type of gen. func.: lgdogf

$$\frac{9}{-x+1}$$

Sequence: A239035
Score: 55.4009
Type of gen. func.: ogf_with_Euler_transform]

[9]

Sequence: A239035

Score: 6.82775
Type of gen. func.: ogf

$$\{(n + 1) a(n + 2) + (-9 - n) a(n + 1), a(0) = 0, a(1) = 40320\}$$

Sequence: A239035
Score: 6.95780
Type of gen. func.: ogf

$$-\frac{40320 x}{(x - 1)^{9}}$$

Sequence: A239040
Score: 13.4057
Type of gen. func.: ogf

$$-\frac{2 x^{2} + x + 3}{2 x^{3} + 2 x - 1}$$

Sequence: A239040
Score: 7.47894
Type of gen. func.: ogf

$$(19 f(x) - 77) (2 f(x) x^{3} + 2 f(x) x + 2 x^{2} - f(x) + x + 3)$$

Sequence: A239040
Score: 7.47895
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 2 a(n), a(0) = 3, a(1) = 7, a(2) = 16\}$$

Sequence: A239040
Score: 7.89444
Type of gen. func.: lgdogf

$$-\frac{-4 x^{4} - 4 x^{3} - 14 x^{2} - 4 x - 7}{{}^{5} \qquad {}^{4} \qquad {}^{3}}$$

```
                          -4 x  - 2 x  - 10 x  - 5 x + 3



------------------------------------------------------------------------------

Sequence:  A239052
Score: 31.4519
Type of gen. func.: ogf_with_Euler_transform]


                                        4
                                    - ------
                                      -x - 1



------------------------------------------------------------------------------

Sequence:  A239053
Score: 13.2094
Type of gen. func.: ogf_with_Euler_transform]


                                     2
                                  4 x  + 2 x + 2
                               - ----------------
                                   3    2
                                 -x  - x  - x - 1



------------------------------------------------------------------------------

Sequence:  A239056
Score: 5.87814
Type of gen. func.: ogf


                     6       5       4       3       2
               4 (2 x  + 10 x  + 16 x  + 22 x  + 15 x  + 6 x + 1)
               --------------------------------------------------
                               2         2       4
                             (x  + x + 1)  (x - 1)



------------------------------------------------------------------------------

Sequence:  A239057
Score: 5.83585
Type of gen. func.: ogf


                    2                4       3       2
                (2 x  + x + 3) (5 x  + 19 x  + 16 x  + 7 x + 1)
                -----------------------------------------------
                              2         2       4
                            (x  + x + 1)  (x - 1)



------------------------------------------------------------------------------

Sequence:  A239059
Score: 6.12936
Type of gen. func.: ogf


                     2              4      3      2
                   (x  + x + 2) (2 x  - 3 x  - 4 x  - 2 x - 1)
```

$$-\frac{}{(x^2+x+1)^2\,(x-1)^4}$$

Sequence: A239065
Score: 4.94109
Type of gen. func.: ogf

$$\frac{x^6+144\,x^5+1215\,x^4+2320\,x^3+1215\,x^2+144\,x+1}{(x-1)^8}$$

Sequence: A239075
Score: 14.7777
Type of gen. func.: ogf

$$-\frac{x-1}{(x^6-x^5+x^4-3\,x^3+3\,x^2-3\,x+1)\,(x+1)}$$

Sequence: A239075
Score: 7.25202
Type of gen. func.: lgdogf

$$-\frac{-6\,x^7+7\,x^6+6\,x^4-8\,x^3-1}{-x^8+x^7+2\,x^5-2\,x^4+2\,x^2-3\,x+1}$$

Sequence: A239086
Score: 5.72235
Type of gen. func.: ogf

$$\frac{x^{12}-2\,x^{11}+2\,x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1}{(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)\,(x-1)^2}$$

Sequence: A239090
Score: 5.60070
Type of gen. func.: ogf

$$\frac{80 x^{10} - 8 x^{9} - 9 x^{8} - 9 x^{7} - 9 x^{6} - 9 x^{5} - 9 x^{4} - 9 x^{3} - 9 x^{2} - 9 x + 1}{(10 x - 1) (x - 1)}$$

Sequence: A239094
Score: 5.91573
Type of gen. func.: ogf

$$\frac{x^{2} (x^{6} + 120 x^{5} + 1191 x^{4} + 2416 x^{3} + 1191 x^{2} + 120 x + 1)}{(x - 1)^{10}}$$

Sequence: A239095
Score: 21.8529
Type of gen. func.: lgdogf

$$- \frac{-6 x^{2} - 9 x - 9}{-x^{3} + 1}$$

Sequence: A239095
Score: 45.1520
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^{2} + 9]$$

Sequence: A239095
Score: 6.14243
Type of gen. func.: ogf

$$\{(-5 n^{2} - 16 n + 16) a(n + 1) + (-3 n^{2} - 90 n - 114) a(n + 2)$$

$$+ (8 n^{2} + 15 n) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 8\}$$

Sequence: A239095
Score: 9.96798
Type of gen. func.: ogf

$$\frac{8 x^{3} (x^{2} + x + 1)}{(x - 1)^{8}}$$

Sequence: A239096
Score: 10.1874
Type of gen. func.: lgdogf

$$- \frac{-12 x^{4} - 57 x^{3} - 165 x^{2} - 99 x - 27}{-2 x^{5} - 5 x^{4} - 11 x^{3} + 11 x^{2} + 5 x + 2}$$

Sequence: A239096
Score: 6.54006
Type of gen. func.: ogf

$$\frac{8 x^{3} (2 x^{4} + 7 x^{3} + 18 x^{2} + 7 x + 2)}{(x - 1)^{10}}$$

Sequence: A239100
Score: 4.47989
Type of gen. func.: ogf

$$x (2 x^{16} - x^{15} - x^{14} + x^{13} + x^{12} - x^{11} + 2 x^{10} - x^{9} + x^{7} + x^{5} + x^{4} + x^{2} + 1) / ((x - 1) (2 x^{3} - 1) (x^{6} + x^{3} + 1))$$

Sequence: A239106
Score: 4.899
Type of gen. func.: ogf

$$-f(x)^{2} x^{3} - f(x)^{2} x^{2} + f(x) x^{3} - f(x)^{2} x + f(x) x^{2} - x^{3} + f(x) x - x^{2} + f(x) - x - 1$$

Sequence: A239123
Score: 13.1964
Type of gen. func.: lgdogf

$$-\frac{-107 x - 149}{-107 x^2 + 86 x + 21}$$

Sequence: A239123
Score: 15.3958
Type of gen. func.: ogf

$$\frac{107 x + 21}{(x - 1)^2}$$

Sequence: A239123
Score: 7.86171
Type of gen. func.: ogf

$$(256 f(x) + 16825) (f(x) x^2 - 2 f(x) x + f(x) - 107 x - 21)$$

Sequence: A239123
Score: 8.69412
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 21, a(1) = 149\}$$

Sequence: A239124
Score: 11.9232
Type of gen. func.: lgdogf

$$-\frac{11 x + 117}{11 x^2 + 42 x - 53}$$

Sequence: A239124
Score: 13.6990
Type of gen. func.: ogf

$$11 x + 53$$

$$\frac{\quad}{(x-1)^2}$$

Sequence: A239124
Score: 6.9984
Type of gen. func.: ogf

$$(128 f(x) + 6905) (f(x) x^2 - 2 f(x) x + f(x) - 11 x - 53)$$

Sequence: A239124
Score: 7.57474
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 53, a(1) = 117\}$$

Sequence: A239125
Score: 5.83714
Type of gen. func.: ogf

$$-\frac{512 x^{10} - 512 x^9 + 32 x^6 - 16 x^5 + 4 x^3 - 2 x^2 + 2 x - 1}{(2 x - 1) (2 x + 1) (x - 1) (4 x^2 - 2 x + 1) (64 x^6 - 8 x^3 + 1)}$$

Sequence: A239128
Score: 14.9392
Type of gen. func.: lgdogf

$$-\frac{x + 63}{x^2 + 30 x - 31}$$

Sequence: A239128
Score: 16.5630
Type of gen. func.: ogf

$$\frac{x + 31}{(x - 1)^2}$$

Sequence: A239128
Score: 8.46555
Type of gen. func.: ogf

$$(64 f(x) + 1985) (f(x) x^2 - 2 f(x) x + f(x) - x - 31)$$

Sequence: A239128
Score: 9.07023
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 31, a(1) = 63\}$$

Sequence: A239129
Score: 14.8042
Type of gen. func.: lgdogf

$$-\frac{x + 35}{x^2 + 16 x - 17}$$

Sequence: A239129
Score: 16.4133
Type of gen. func.: ogf

$$\frac{x + 17}{(x - 1)^2}$$

Sequence: A239129
Score: 8.48329
Type of gen. func.: ogf

$$(36 f(x) + 613) (f(x) x^2 - 2 f(x) x + f(x) - x - 17)$$

Sequence: A239129
Score: 8.98825
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 17, a(1) = 35\}$$

Sequence: A239138
Score: 6.70939
Type of gen. func.: ogf

$$\frac{80 x^{9} - 9 x^{8} - 9 x^{7} - 9 x^{6} - 9 x^{5} - 9 x^{4} - 9 x^{3} - 9 x^{2} - 9 x + 1}{(10 x - 1) (x - 1)}$$

Sequence: A239140
Score: 8.38184
Type of gen. func.: ogf

$$- \frac{x^{6} + x^{5} + x^{4} + 2 x^{3} + 3 x^{2} + 2 x + 1}{(x - 1) (x^{2} + x + 1) (x + 1)}$$

Sequence: A239141
Score: 10.6782
Type of gen. func.: ogf

$$- \frac{x^{5} + x^{4} + x^{3} + 2 x^{2} + x + 1}{(x - 1) (x^{2} + x + 1)}$$

Sequence: A239150
Score: 7.37892
Type of gen. func.: ogf

$$- \frac{8 x^{3} - 4 x^{2} - 3 x + 1}{(14 x^{3} - 9 x^{2} - 3 x + 1) (x^{2} + x - 1)}$$

Sequence: A239156
Score: 4.71071
Type of gen. func.: ogf

4   3

$$-\frac{45 x - 105 x + 43 x - 7}{(3 x + 1) (x + 1) (x^{2} - 3 x + 1) (9 x^{2} - 15 x + 1)}$$

Sequence: A239171
Score: 13.6433
Type of gen. func.: lgdogf

$$-\frac{-4 x - 2}{-2 x^{2} - 2 x + 1}$$

Sequence: A239171
Score: 19.8448
Type of gen. func.: ogf

$$-\frac{6}{2 x^{2} + 2 x - 1}$$

Sequence: A239171
Score: 7.89009
Type of gen. func.: ogf

$$(11 f(x) - 42) (2 f(x) x^{2} + 2 f(x) x - f(x) + 6)$$

Sequence: A239171
Score: 7.89010
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 2 a(n), a(0) = 6, a(1) = 12\}$$

Sequence: A239179
Score: 6.91156
Type of gen. func.: ogf

$$-\frac{2 (x^{4} - 3 x^{3} + x + 3)}{x^{6} - 4 x^{5} + 3 x^{4} + 3 x^{3} - x^{2} + 4 x - 1}$$

Sequence: A239186
Score: 5.73117
Type of gen. func.: ogf

$$\frac{10 x^6 + 39 x^5 + 61 x^4 + 76 x^3 + 49 x^2 + 19 x + 2}{(x^2 + x + 1)^2 (x - 1)^4}$$

Sequence: A239188
Score: 3.68705
Type of gen. func.: ogf

$$-\frac{4 (156 x^6 - 86 x^5 - 68 x^4 + 54 x^3 + 11 x^2 - 12 x - 3)}{624 x^7 - 416 x^6 - 240 x^5 + 253 x^4 + 26 x^3 - 50 x^2 - 6 x + 1}$$

Sequence: A239195
Score: 6.50748
Type of gen. func.: ogf

$$\frac{4 x^5 + 5 x^4 + 11 x^3 + 8 x^2 + 3 x + 1}{(x^2 + x + 1)^2 (x - 1)^4}$$

Sequence: A239198
Score: 3.56432
Type of gen. func.: ogf

$$-14 f(x)^2 x^4 + 2 f(x)^2 x^3 - 14 f(x)^2 x^2 - 21 f(x) x^3 + 2 f(x)^2 x + 3 f(x) x^2 + 7 f(x) x - 9 x^2 - f(x) - 6 x + 1$$

Sequence: A239201
Score: 4.86633
Type of gen. func.: ogf

$\{(-5 n - 10) a(n + 1) + (11 n + 30) a(n + 2) + (-24 - 7 n) a(n + 3)$

$$+ (n + 4) a(n + 4), a(0) = 2, a(1) = 5, a(2) = 17, a(3) = 68\}$$

Sequence: A239201
Score: 7.44697
Type of gen. func.: ogf

$$-5 f(x)^{2} x^{3} + 11 f(x)^{2} x^{2} - 7 f(x)^{2} x - 5 f(x) x^{2} + f(x)^{2} + 6 f(x) x - f(x) + x - 2$$

Sequence: A239204
Score: 10.3863
Type of gen. func.: revogf

$$\frac{4 x}{(1 + 4 x)^{1/2} (1 + (1 + 4 x)^{1/2})^{2}}$$

Sequence: A239204
Score: 8.63279
Type of gen. func.: ogf

$$-4 f(x)^{2} x^{3} - f(x) x^{2} - 4 f(x) x + f(x) - 1$$

Sequence: A239226
Score: 3.03489
Type of gen. func.: ogf

$$\{(-512 n^{3} - 3072 n^{2} - 6016 n - 3840) a(n + 1)$$

$$+ (48 n^{3} + 360 n^{2} + 904 n + 760) a(n + 2)$$

$$+ (-n^{3} - 9 n^{2} - 27 n - 27) a(n + 3), a(0) = 1, a(1) = 8, a(2) = 120\}$$

Sequence: A239229
Score: 13.8519
Type of gen. func.: ogf

$$- \frac{2 (2 x - 1)}{}$$

$$(x - 1)^2$$

Sequence: A239229
Score: 15.5834
Type of gen. func.: lgdogf

$$-\frac{2 x}{2 x^2 - 3 x + 1}$$

Sequence: A239229
Score: 7.69551
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 2, a(1) = 0\}$$

Sequence: A239229
Score: 9.89422
Type of gen. func.: ogf

$$f(x) x^2 - 2 f(x) x + f(x) + 4 x - 2$$

Sequence: A239249
Score: 12.6933
Type of gen. func.: ogf

$$-\frac{2 x^2 + x + 4}{2 x^3 + 3 x - 1}$$

Sequence: A239249
Score: 6.66084
Type of gen. func.: ogf

$$-(223 f(x) + 296) (2 f(x) x^3 + 3 f(x) x + 2 x^2 - f(x) + x + 4)$$

Sequence: A239249
Score: 6.72746
Type of gen. func.: lgdogf

$$-\frac{-4 x^4 - 4 x^3 - 18 x^2 - 4 x - 13}{-4 x^5 - 2 x^4 - 14 x^3 - x^2 - 11 x + 4}$$

Sequence: A239249
Score: 7.00777
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 2 a(n), a(0) = 4, a(1) = 13, a(2) = 41\}$$

Sequence: A239265
Score: 10.6039
Type of gen. func.: ogf

$$-\frac{x^2 + 8 x - 1}{3 x^3 + 21 x^2 - 13 x + 1}$$

Sequence: A239265
Score: 5.30197
Type of gen. func.: ogf

$-(504921 f(x) - 24217)$

$$(3 f(x) x^3 + 21 f(x) x^2 - 13 f(x) x + x^2 + f(x) + 8 x - 1)$$

Sequence: A239265
Score: 5.80911
Type of gen. func.: ogf

$$\{a(n + 3) - 13 a(n + 2) + 21 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 5, a(2) = 43\}$$

Sequence: A239265
Score: 6.30234
Type of gen. func.: lgdogf

$$-\frac{-3x^4-48x^3-172x^2+44x-5}{-3x^5-45x^4-152x^3+124x^2-21x+1}$$

Sequence: A239266
Score: 7.30340
Type of gen. func.: ogf

$$-\frac{(x-1)(x^3-x^2+5x-1)}{5x^6-11x^5+30x^4-30x^3-2x^2+7x-1}$$

Sequence: A239284
Score: 11.4918
Type of gen. func.: ogf

$$-15f(x)x^2-14f(x)x+f(x)-x$$

Sequence: A239284
Score: 13.4808
Type of gen. func.: lgdogf

$$-\frac{-30x-14}{-15x^2-14x+1}$$

Sequence: A239284
Score: 17.9744
Type of gen. func.: ogf

$$-\frac{x}{(x+1)(15x-1)}$$

Sequence: A239284
Score: 8.44580
Type of gen. func.: ogf

$$\{-a(n+2)+14a(n+1)+15a(n), a(0)=0, a(1)=1\}$$

Sequence: A239285
Score: 11.4918
Type of gen. func.: ogf

$$-30 f(x) x^2 - 13 f(x) x + f(x) - x$$

Sequence: A239285
Score: 13.4808
Type of gen. func.: lgdogf

$$-\frac{-60 x - 13}{-30 x^2 - 13 x + 1}$$

Sequence: A239285
Score: 17.9744
Type of gen. func.: ogf

$$-\frac{x}{(2 x + 1) (15 x - 1)}$$

Sequence: A239285
Score: 8.44580
Type of gen. func.: ogf

$$\{-a(n + 2) + 13 a(n + 1) + 30 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A239286
Score: 5.0868
Type of gen. func.: ogf

$$-(27 f(x) - 28)$$

$$(f(x) x^4 + 2 f(x) x^3 + 3 f(x) x^2 - 3 x^3 + 2 f(x) x - 5 x^2 + f(x) - 3 x - 1)$$

Sequence: A239286
Score: 9.44690
Type of gen. func.: ogf

$$\frac{(x + 1) (3 x^2 + 2 x + 1)}{(x^2 + x + 1)^2}$$

Sequence: A239288
Score: 7.58213
Type of gen. func.: ogf

$$- \frac{x (x^2 + x + 1) (x^5 - 2 x^4 + 2 x^3 - x^2 - 1)}{(x - 1) (3 x^3 - 1)}$$

Sequence: A239294
Score: 10.1366
Type of gen. func.: ogf

$$-45 f(x) x^2 - 12 f(x) x + f(x) - x$$

Sequence: A239294
Score: 11.8910
Type of gen. func.: lgdogf

$$- \frac{-90 x - 12}{-45 x^2 - 12 x + 1}$$

Sequence: A239294
Score: 15.8547
Type of gen. func.: ogf

$$- \frac{x}{(3 x + 1) (15 x - 1)}$$

Sequence: A239294
Score: 7.44978
Type of gen. func.: ogf

{-a(n + 2) + 12 a(n + 1) + 45 a(n), a(0) = 0, a(1) = 1}

Sequence: A239301
Score: 12.6970
Type of gen. func.: lgdegf]

$$-\frac{5}{5 x - 1} - \frac{(-1)^{1/5}}{(5 x - 1)^{6/5}}$$

Sequence: A239301
Score: 18.9046
Type of gen. func.: lgdegf]

$$-\frac{5}{5 x - 1} - \frac{(-1)^{1/5}}{(5 x - 1)^{6/5}}$$

Sequence: A239305
Score: 7.23723
Type of gen. func.: ogf

$$\frac{(x - 1) (4 x^3 - x^2 - 2 x + 1)}{(2 x - 1) (x^2 + x - 1)^2}$$

Sequence: A239310
Score: 4.64830
Type of gen. func.: ogf

$$-\frac{x^{11} + x^9 - 6 x^8 + 7 x^7 - 6 x^6 + x^5 + 3 x^3 - 9 x^2 + 9 x - 6}{(x^2 + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A239325
Score: 11.9798
Type of gen. func.: lgdogf

$$-\frac{-x^2 + 22 x + 15}{-x^3 + 13 x^2 - 11 x - 1}$$

Sequence: A239325
Score: 13.1391
Type of gen. func.: ogf

$$\frac{x^2 - 12 x - 1}{(x - 1)^3}$$

Sequence: A239325
Score: 6.84559
Type of gen. func.: ogf

$$(3753 f(x) - 31157) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 12 x + 1)$$

Sequence: A239325
Score: 7.14583
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 15, a(2) = 41\}$$

Sequence: A239333
Score: 13.2151
Type of gen. func.: ogf

$$-\frac{2 x^2 + x + 2}{2 x^3 + 2 x - 1}$$

Sequence: A239333
Score: 7.14691
Type of gen. func.: ogf

$$-(15 f(x) - 2) (2 f(x) x^3 + 2 f(x) x + 2 x^2 - f(x) + x + 2)$$

Sequence: A239333
Score: 7.37261
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 2 a(n), a(0) = 2, a(1) = 5, a(2) = 12\}$$

Sequence: A239333
Score: 7.95907
Type of gen. func.: lgdogf

$$-\frac{-4 x^4 - 4 x^3 - 8 x^2 - 4 x - 5}{-4 x^5 - 2 x^4 - 8 x^3 - 3 x + 2}$$

Sequence: A239341
Score: 12.2382
Type of gen. func.: ogf

$$\frac{4 x^6 - 9 x^5 - 9 x^4 - 2 x^3 - 7 x^2 - 6 x - 7}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A239342
Score: 11.0124
Type of gen. func.: ogf

$$\frac{x (x - 1)^2 (x + 1)^2}{(x^2 + x - 1)^2}$$

Sequence: A239342
Score: 11.8222
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 2}{-x^4 - x^3 + 2 x^2 + x - 1}$$

Sequence: A239352
Score: 11.9898
Type of gen. func.: lgdogf

$$-\frac{-6 x^2 + 24 x + 12}{-2 x^3 + 9 x^2 - 6 x - 1}$$

Sequence: A239352
Score: 4.25446
Type of gen. func.: ogf

$$\{(-34 n^2 - 98 n - 60) a(n + 1) + (179 n^2 + 749 n + 744) a(n + 2)$$
$$+ (-145 n^2 - 207 n - 62) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A239352
Score: 9.09574
Type of gen. func.: ogf

$$\frac{x^2 (2 x^2 - 7 x - 1)}{(x - 1)^5}$$

Sequence: A239358
Score: 6.24891
Type of gen. func.: ogf

$$\frac{x^{11} + 6 x^9 - 7 x^8 - x^7 + 22 x^6 - 20 x^5 + 4 x^3 + 4 x^2 - 8 x + 6}{(x - 1)^4}$$

Sequence: A239359
Score: 4.06723
Type of gen. func.: ogf

$$(x^{16} - 3 x^{15} + 9 x^{14} - 10 x^{13} - 10 x^{12} + 10 x^{11} - 4 x^{10} + 7 x^9 + 2 x^8 + 12 x^7$$

$$+ 12 x^6 - 33 x^5 + 13 x^4 + 7 x^3 + 5 x^2 - 9 x + 7) \Big/ (x - 1)^4$$

Sequence: A239364
Score: 14.2759
Type of gen. func.: ogf

$$- \frac{2 (x - 19)}{x^2 - 38 x + 1}$$

Sequence: A239364
Score: 7.0628
Type of gen. func.: ogf

$$-(13680 f(x) + 1) (f(x) x^2 - 38 f(x) x + f(x) + 2 x - 38)$$

Sequence: A239364
Score: 7.71226
Type of gen. func.: ogf

$$\{a(n + 2) - 38 a(n + 1) + a(n), a(0) = 38, a(1) = 1442\}$$

Sequence: A239364
Score: 9.45024
Type of gen. func.: lgdogf

$$- \frac{-x^2 + 38 x - 721}{-x^3 + 57 x^2 - 723 x + 19}$$

Sequence: A239365
Score: 12.9757
Type of gen. func.: lgdogf

$$- \frac{2 x - 38}{x^2 - 38 x + 1}$$

Sequence: A239365
Score: 18.5367
Type of gen. func.: ogf

$$\frac{12}{x^{2} - 38 x + 1}$$

Sequence: A239365
Score: 7.54402
Type of gen. func.: ogf

$$(721 f(x) + 12) (f(x) x^{2} - 38 f(x) x + f(x) - 12)$$

Sequence: A239365
Score: 7.54402
Type of gen. func.: ogf

$$\{-a(n + 2) + 38 a(n + 1) - a(n), a(0) = 12, a(1) = 456\}$$

Sequence: A239367
Score: 4.44928
Type of gen. func.: ogf

$-(6 f(x) - 7)$

$$(4 f(x) x^{4} - 13 f(x) x^{3} + 15 f(x) x^{2} - 7 f(x) x + 7 x^{2} + f(x) + 2 x - 1)$$

Sequence: A239367
Score: 7.06648
Type of gen. func.: lgdogf

$$- \frac{56 x^{3} + 45 x^{2} - 34 x + 5}{28 x^{4} - 27 x^{3} - 7 x^{2} + 7 x - 1}$$

Sequence: A239367

Score: 8.45987
Type of gen. func.: ogf

$$-\frac{7 x^{2} + 2 x - 1}{(4 x - 1) (x - 1)^{3}}$$

Sequence: A239368
Score: 7.6847
Type of gen. func.: egf]

$$-2 f(x)^{3} x^{3} - 21 f(x)^{3} x + 8 f(x)^{3} + 3 f(x) x - 6 f(x) - 2$$

Sequence: A239374
Score: 11.4027
Type of gen. func.: lgdogf

$$-\frac{-194 x^{95} - 194 x^{94} + 2 x + 1}{194 x^{94} + 2 x^{2} - x - 1}$$

Sequence: A239374
Score: 13.5826
Type of gen. func.: ogf

$$\frac{2 (x + 1) (2 x^{95} - 1)}{2 x^{95} + x^{2} - 1}$$

Sequence: A239374
Score: 70.8907
Type of gen. func.: ogf_with_Euler_transform]

[1]

Sequence: A239406
Score: 4.65963
Type of gen. func.: ogf

$$-\frac{8x^6+42x^5+30x^4-23x^3-24x^2+8x+5}{8x^7+38x^6+19x^5-29x^4-18x^3+12x^2+3x-1}$$

Sequence: A239426
Score: 7.02515
Type of gen. func.: lgdogf

$$-\frac{91x^4+936x^3+1242x^2+248x+3}{91x^5+195x^4-158x^3-130x^2+3x-1}$$

Sequence: A239426
Score: 7.79792
Type of gen. func.: ogf

$$-\frac{91x^4+286x^3+128x^2-2x+1}{(x-1)^5}$$

Sequence: A239438
Score: 4.97450
Type of gen. func.: ogf

$$\frac{x^9-2x^8+2x^7-3x^6+3x^5-2x^4+2x^3-2x^2+x-1}{(x^2+x+1)(x-1)^3}$$

Sequence: A239449
Score: 11.9798
Type of gen. func.: lgdogf

$$-\frac{-13x^2-26x-3}{-13x^3+13x^2-x+1}$$

Sequence: A239449
Score: 14.0453
Type of gen. func.: ogf

$$-\frac{13x^2+1}{(x-1)^3}$$

Sequence: A239449
Score: 7.0837
Type of gen. func.: ogf

$$(8379 f(x) - 36199) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 13 x^2 - f(x) + 1)$$

Sequence: A239449
Score: 7.20907
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 3, a(2) = 19}

Sequence: A239450
Score: 10.5968
Type of gen. func.: ogf

$$\frac{x (x + 1) (x - 3)}{(x - 1) (x^2 - 14 x + 1)}$$

Sequence: A239450
Score: 5.22050
Type of gen. func.: ogf

{-a(n + 4) + 15 a(n + 3) - 15 a(n + 2) + a(n + 1), a(0) = 0, a(1) = 3,

a(2) = 47, a(3) = 659}

Sequence: A239450
Score: 5.50379
Type of gen. func.: ogf

-(78772 f(x) - 15337)

$$(f(x) x^3 - 15 f(x) x^2 - x^3 + 15 f(x) x + 2 x^2 - f(x) + 3 x)$$

Sequence: A239450
Score: 6.96067
Type of gen. func.: lgdogf

$$- \frac{x^4 - 4 x^3 + 6 x^2 + 92 x - 47}{x^5 - 17 x^4 + 42 x^3 + 14 x^2 - 43 x + 3}$$

Sequence: A239459
Score: 6.20980
Type of gen. func.: ogf

$$- \frac{65610 x^{12} - 216360 x^{11} + 240210 x^{10} - 90000 x^9 - 11 x^2 - 38 x - 11}{(x - 1)^4}$$

Sequence: A239461
Score: 4.42353
Type of gen. func.: ogf

$$- (656100 x^{12} - 2163600 x^{11} + 2402100 x^{10} - 900000 x^9 + 2430 x^6 - 9000 x^5$$
$$+ 11790 x^4 - 5760 x^3 - 9 x^2 - 40 x - 11) / (x - 1)^4$$

Sequence: A239462
Score: 8.37385
Type of gen. func.: ogf

$$- \frac{7290 x^{11} - 16110 x^{10} + 9000 x^9 + x^2 + 8 x + 11}{(x - 1)^3}$$

Sequence: A239466
Score: 9.8165

Type of gen. func.: ogf

$$f(x)\,x^2 - f(x)^2 - f(x)\,x + f(x) + x$$

Sequence: A239488
Score: 14.5014
Type of gen. func.: revogf

$$-\frac{x}{-x^2 - 5x - 6}$$

Sequence: A239488
Score: 3.74229
Type of gen. func.: ogf

{(n + 2) a(n + 1) + (-10 n - 35) a(n + 2) + (n + 5) a(n + 3), a(0) = 6,

a(1) = 30, a(2) = 186}

Sequence: A239488
Score: 9.83143
Type of gen. func.: ogf

$$-f(x)^2\,x^2 - 5\,f(x)\,x + f(x) - 6$$

Sequence: A239492
Score: 12.5801
Type of gen. func.: ogf

$$\frac{x^2\,(x + 1)\,(2x^2 - x + 2)}{(x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A239530
Score: 12.7481
Type of gen. func.: ogf

```
            x - 1
  - ----------------------
```

$$(3 x - 1) (x^2 - x - 1)$$

Sequence: A239530
Score: 6.03256
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 4 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 1, a(2) = 6\}$$

Sequence: A239530
Score: 6.08691
Type of gen. func.: ogf

$$-(2857 f(x) - 51) (3 f(x) x^3 - 4 f(x) x^2 - 2 f(x) x + f(x) + x - 1)$$

Sequence: A239530
Score: 8.34132
Type of gen. func.: lgdogf

$$-\frac{-6 x^3 + 13 x^2 - 8 x - 1}{-3 x^4 + 7 x^3 - 2 x^2 - 3 x + 1}$$

Sequence: A239531
Score: 3.70060
Type of gen. func.: ogf

$$- 2 (x^8 - x^7 - x^6 + 7 x^5 + 3 x^4 - 2 x^3 - 3 x^2 - x + 1) \Big/ (5 x^{10} - 5 x^9 - 9 x^8 + 40 x^7 + 11 x^6 - 28 x^5 - 23 x^4 - x^3 + 13 x^2 + 2 x - 1)$$

Sequence: A239532
Score: 5.13323
Type of gen. func.: ogf

$$-\frac{6 (9 x^4 - 21 x^3 - 2 x^2 + 7 x - 1)}{(9 x - 1) (x + 1) (x^2 - 3 x + 1) (9 x^2 - 3 x - 1)}$$

Sequence: A239549
Score: 10.9095
Type of gen. func.: ogf

$$-12 f(x) x^2 - 8 f(x) x + f(x) - x$$

Sequence: A239549
Score: 13.0914
Type of gen. func.: lgdogf

$$-\frac{-24 x - 8}{-12 x^2 - 8 x + 1}$$

Sequence: A239549
Score: 17.2256
Type of gen. func.: ogf

$$-\frac{x}{12 x^2 + 8 x - 1}$$

Sequence: A239549
Score: 7.98259
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) + 12 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A239561
Score: 3.87224
Type of gen. func.: ogf

$$- (4 x^{13} + 4 x^{12} - 5 x^{11} - 11 x^{10} - 3 x^9 + 12 x^8 + 16 x^7 - 2 x^6 - 13 x^5 - 7 x^4 + 3 x^3 + 5 x^2 - 1) \Big/ ((2 x - 1) (x - 1) (x^2 + x + 1)^2 (2 x^2 - 1)^2)$$

Sequence: A239568
Score: 11.0666
Type of gen. func.: ogf

$$\frac{3 (x - 2) x}{(x - 1)^5}$$

Sequence: A239568
Score: 17.2916
Type of gen. func.: lgdogf

$$-\frac{-4 x + 9}{-x^2 + 3 x - 2}$$

Sequence: A239568
Score: 5.49668
Type of gen. func.: ogf

{(-4 - 2 n) a(n + 3) + (12 + 3 n) a(n + 2) + (-n - 4) a(n + 1), a(0) = 0,

a(1) = 6, a(2) = 27}

Sequence: A239569
Score: 6.55957
Type of gen. func.: ogf

$$-\frac{x (11 x^4 - 36 x^3 + 25 x^2 + 14 x + 1)}{(x - 1)^7}$$

Sequence: A239569
Score: 7.34915
Type of gen. func.: lgdogf

$$-\frac{33 x^4 - 100 x^3 + 17 x^2 + 134 x + 21}{11 x^5 - 47 x^4 + 61 x^3 - 11 x^2 - 13 x - 1}$$

Sequence: A239570
Score: 4.82510
Type of gen. func.: ogf

$$\frac{x (38 x^6 - 156 x^5 + 153 x^4 + 113 x^3 - 147 x^2 - 105 x - 1)}{(x - 1)^9}$$

Sequence: A239571
Score: 3.42175
Type of gen. func.: ogf

$$- 3 x^2 (40 x^8 - 185 x^7 + 198 x^6 + 213 x^5 - 243 x^4 - 638 x^3 + 687 x^2 + 234 x + 9) \Big/ (x - 1)^{11}$$

Sequence: A239573
Score: 4.62786
Type of gen. func.: ogf

$$- \frac{x (2 x^9 + x^8 - 8 x^7 - 9 x^6 + 3 x^5 + 29 x^4 + 24 x^3 + 14 x^2 + 3 x + 1)}{(x^2 + x + 1) (x + 1)^3 (x - 1)^7}$$

Sequence: A239576
Score: 4.57408
Type of gen. func.: ogf

$$- x (x^{13} - x^{12} - 19 x^{11} + 32 x^{10} + 68 x^9 - 69 x^8 - 302 x^7 + 634 x^6 + 1945 x^5 + 2547 x^4 + 1393 x^3 + 438 x^2 + 50 x + 3) \Big/ ((x + 1)^5 (x - 1)^9)$$

Sequence: A239577
Score: 15.1282
Type of gen. func.: ogf

$$\frac{1}{(3x-1)(x-1)(3x^2+1)}$$

Sequence: A239577
Score: 6.20009
Type of gen. func.: ogf

$$(305 f(x) + 153) (9 f(x) x^4 - 12 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + f(x) - 1)$$

Sequence: A239577
Score: 9.00487
Type of gen. func.: lgdogf

$$-\frac{36 x^3 - 36 x^2 + 12 x - 4}{9 x^4 - 12 x^3 + 6 x^2 - 4 x + 1}$$

Sequence: A239592
Score: 8.12027
Type of gen. func.: lgdogf

$$-\frac{-4 x^4 - 18 x^3 - 27 x^2 - 8 x - 3}{-4 x^5 + 3 x^4 - 7 x^3 + 10 x^2 - 3 x + 1}$$

Sequence: A239592
Score: 8.46218
Type of gen. func.: ogf

$$-\frac{4 x^4 + x^3 + 8 x^2 - 2 x + 1}{(x - 1)^5}$$

Sequence: A239594
Score: 11.5800
Type of gen. func.: ogf

$$\frac{x^5 - x^4 - x^3 - 3 x - 4}{x^5 + x^2 - 1}$$

Sequence: A239607
Score: 7.56627
Type of gen. func.: lgdogf

$$-\frac{x^4 + 92 x^3 + 294 x^2 + 92 x + 1}{x^5 + 43 x^4 + 10 x^3 - 58 x^2 + 5 x - 1}$$

Sequence: A239607
Score: 8.03429
Type of gen. func.: ogf

$$-\frac{x^4 + 44 x^3 + 54 x^2 - 4 x + 1}{(x - 1)^5}$$

Sequence: A239608
Score: 5.66396
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^4 + 668 x^3 + 4422 x^2 + 668 x + 1)}{(x - 1)^7}$$

Sequence: A239609
Score: 3.69964
Type of gen. func.: ogf

$$-(x^8 + 9400 x^7 + 248284 x^6 + 1032520 x^5 + 1032646 x^4 + 248200 x^3 + 9436 x^2 - 8 x + 1) / (x - 1)^9$$

Sequence: A239628
Score: 8.00651
Type of gen. func.: ogf

$$-\frac{32 x^8 + 16 x^7 + 8 x^6 + 12 x^5 + 4 x^4 + 6 x^3 + 2 x^2 + 9 x + 1}{(2 x^2 - 1) (2 x^2 + 1) (2 x^2 + 2 x + 1) (2 x^2 - 2 x + 1)}$$

Sequence: A239632
Score: 10.7506
Type of gen. func.: ogf

$$-\frac{x (x + 1) (2 x^2 - 2 x - 1)}{(2 x^2 - 1)^2}$$

Sequence: A239632
Score: 6.12882
Type of gen. func.: ogf

$$\{(-2 n - 6) a(n) + (n + 1) a(n + 2), a(0) = 0, a(1) = 1, a(2) = 3\}$$

Sequence: A239632
Score: 8.09610
Type of gen. func.: lgdogf

$$-\frac{-4 x^4 + 12 x^2 + 8 x + 3}{-4 x^5 + 8 x^3 + 2 x^2 - 3 x - 1}$$

Sequence: A239632
Score: 9.29515
Type of gen. func.: ogf

$$-(28 f(x) + 19) (4 f(x) x^4 + 2 x^4 - 4 f(x) x^2 - 3 x^2 + f(x) - x)$$

Sequence: A239650
Score: 4.63656
Type of gen. func.: ogf

$$-\frac{2\,(4x^6+19x^5+8x^4-13x^3-8x^2+4x+2)}{8x^7+38x^6+19x^5-29x^4-18x^3+12x^2+3x-1}$$

Sequence: A239667
Score: 6.41764
Type of gen. func.: ogf

$$-\frac{9x^6+32x^5+50x^4+58x^3+36x^2+14x+1}{(x^2+x+1)^2\,(x-1)^5}$$

Sequence: A239670
Score: 11.4964
Type of gen. func.: lgdogf

$$-\frac{162x-82}{81x^2-82x+1}$$

Sequence: A239670
Score: 17.4089
Type of gen. func.: ogf

$$\frac{1}{(81x-1)\,(x-1)}$$

Sequence: A239670
Score: 7.00358
Type of gen. func.: ogf

$$(3281\,f(x)+81)\,(81\,f(x)\,x^2-82\,f(x)\,x+f(x)-1)$$

Sequence: A239670
Score: 7.16836
Type of gen. func.: ogf

$\{-a(n+2) + 82\, a(n+1) - 81\, a(n),\ a(0) = 1,\ a(1) = 82\}$

Sequence: A239678
Score: 11.1813
Type of gen. func.: ogf

$$\frac{4 x^4 + 3 x^3 - 4 x^2 - 5 x + 3}{(2 x - 1) (x - 1)}$$

Sequence: A239678
Score: 6.12310
Type of gen. func.: ogf

$\{-a(n+5) + 3\, a(n+4) - 2\, a(n+3),\ a(0) = 3,\ a(1) = 4,\ a(2) = 2,\ a(3) = 1,$
$a(4) = 3\}$

Sequence: A239678
Score: 6.76764
Type of gen. func.: ogf

$$(192 f(x) - 1241) (-4 x^4 + 2 f(x) x^2 - 3 x^3 - 3 f(x) x + 4 x^2 + f(x) + 5 x - 3)$$

Sequence: A239679
Score: 12.2688
Type of gen. func.: ogf

$$-\frac{38 x^2 - 36 x + 7}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A239679
Score: 6.43608
Type of gen. func.: ogf

$$-(87 f(x) + 9677) (8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x + 38 x^2 - f(x) - 36 x + 7)$$

Sequence: A239679
Score: 6.82784
Type of gen. func.: ogf

$\{-a(n + 3) + 7 a(n + 2) - 14 a(n + 1) + 8 a(n), a(0) = 7, a(1) = 13, a(2) = 31\}$

Sequence: A239679
Score: 6.88774
Type of gen. func.: lgdogf

$$-\frac{-304 x^4 + 576 x^3 - 406 x^2 + 120 x - 13}{-304 x^5 + 820 x^4 - 826 x^3 + 388 x^2 - 85 x + 7}$$

Sequence: A239739
Score: 10.9651
Type of gen. func.: ogf

$$-256 f(x) x^2 + 32 f(x) x - f(x) + 64 x$$

Sequence: A239739
Score: 16.8487
Type of gen. func.: ogf

$$\frac{64 x}{(16 x - 1)^2}$$

Sequence: A239739
Score: 23.0266
Type of gen. func.: lgdogf

$$\frac{32}{-16 x + 1}$$

Sequence: A239739
Score: 8.12704
Type of gen. func.: ogf

$\{a(n + 2) - 32 a(n + 1) + 256 a(n), a(0) = 0, a(1) = 64\}$

Sequence: A239745
Score: 10.3510
Type of gen. func.: ogf

$$\frac{x\,(10\,x^{2} - 20\,x + 9)}{(x - 1)^{3}\,(2\,x - 1)}$$

Sequence: A239745
Score: 5.31729
Type of gen. func.: ogf

$$-(5183\,f(x) - 95794)$$

$$(2\,f(x)\,x^{4} - 7\,f(x)\,x^{3} + 9\,f(x)\,x^{2} - 10\,x^{3} - 5\,f(x)\,x + 20\,x^{2} + f(x) - 9\,x)$$

Sequence: A239745
Score: 8.72276
Type of gen. func.: lgdogf

$$-\frac{-40\,x^{3} + 110\,x^{2} - 92\,x + 25}{-20\,x^{4} + 70\,x^{3} - 88\,x^{2} + 47\,x - 9}$$

Sequence: A239767
Score: 8.33774
Type of gen. func.: lgdogf

$$-\frac{-2\,x^{4} - 10\,x^{3} - 26\,x^{2} - 16\,x - 6}{-x^{5} - 3\,x^{4} - 4\,x^{3} + 2\,x^{2} + 5\,x + 1}$$

Sequence: A239767
Score: 9.27456
Type of gen. func.: ogf

$$x\,(x^{3} + 3\,x^{2} + 5\,x + 1)$$

$$-\frac{\quad}{(x+1)^2\,(x-1)^3}$$

Sequence: A239791
Score: 11.4648
Type of gen. func.: ogf

$$\frac{(x-1)\,(x^2+1)}{x^5-x^4+2\,x^3-x^2+2\,x-1}$$

Sequence: A239794
Score: 11.4744
Type of gen. func.: lgdogf

$$-\frac{15\,x^2-32\,x-13}{15\,x^3-46\,x^2+37\,x-6}$$

Sequence: A239794
Score: 12.7493
Type of gen. func.: ogf

$$\frac{15\,x^2-31\,x+6}{(x-1)^3}$$

Sequence: A239794
Score: 6.47747
Type of gen. func.: ogf

$$(226300\,f(x)-7941369)$$

$$(f(x)\,x^3-3\,f(x)\,x^2+3\,f(x)\,x-15\,x^2-f(x)+31\,x-6)$$

Sequence: A239794
Score: 7.04566
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = -6, a(1) = 13, a(2) = 42\}$

Sequence: A239796
Score: 13.6214
Type of gen. func.: lgdogf

$$-\frac{-15 x^2 + 40 x + 17}{-15 x^3 + 50 x^2 - 41 x + 6}$$

Sequence: A239796
Score: 15.1349
Type of gen. func.: ogf

$$\frac{15 x^2 - 35 x + 6}{(x - 1)^3}$$

Sequence: A239796
Score: 7.62797
Type of gen. func.: ogf

$$(711676 f(x) - 23139729)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 15 x^2 - f(x) + 35 x - 6)$$

Sequence: A239796
Score: 8.36400
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = -6, a(1) = 17, a(2) = 54\}$

Sequence: A239812
Score: 11.8763
Type of gen. func.: ogf

$$-\frac{2 x^2 + 3 x + 2}{^3 \quad ^2}$$

$$2 x + 2 x + x - 1$$

Sequence: A239812
Score: 6.41112
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 2 a(n + 1) - 2 a(n), a(0) = 2, a(1) = 5, a(2) = 11\}$$

Sequence: A239812
Score: 6.52662
Type of gen. func.: ogf

$$(7 f(x) - 2) (2 f(x) x^3 + 2 f(x) x^2 + f(x) x + 2 x^2 - f(x) + 3 x + 2)$$

Sequence: A239812
Score: 7.17283
Type of gen. func.: lgdogf

$$- \frac{-4 x^4 - 12 x^3 - 16 x^2 - 12 x - 5}{-4 x^5 - 10 x^4 - 12 x^3 - 5 x^2 + x + 2}$$

Sequence: A239831
Score: 5.48427
Type of gen. func.: ogf

$$\frac{x^8 - 9 x^7 - 14 x^6 - 14 x^5 - 14 x^4 - 14 x^3 - 15 x^2 - 14 x - 5}{(x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A239840
Score: 4.33918
Type of gen. func.: ogf

$$\{(-n^3 - 7 n^2 - 16 n - 12) a(n + 1) + (-3 - n) a(n + 2) + a(n + 3), a(0) = 1,$$

$$a(1) = 1, a(2) = 4\}$$

Sequence: A239844
Score: 7.67951
Type of gen. func.: ogf

$$\frac{(2 x^{4} - 4 x^{3} + 4 x - 3) (x^{2} - x + 1)}{(x - 1)^{5}}$$

Sequence: A239851
Score: 13.1760
Type of gen. func.: ogf

$$- \frac{2 (x^{2} + x + 1)}{2 x^{3} + x^{2} - 1}$$

Sequence: A239851
Score: 7.74258
Type of gen. func.: ogf

$$-(3 f(x) - 4) (2 f(x) x^{3} + f(x) x^{2} + 2 x^{2} - f(x) + 2 x + 2)$$

Sequence: A239851
Score: 7.98968
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 1) - 2 a(n), a(0) = 2, a(1) = 2, a(2) = 4\}$$

Sequence: A239851
Score: 8.53443
Type of gen. func.: lgdogf

$$- \frac{-2 x^{4} - 4 x^{3} - 7 x^{2} - 4 x - 1}{-2 x^{5} - 3 x^{4} - 3 x^{3} + x + 1}$$

Sequence: A239852

Score: 9.36571
Type of gen. func.: ogf

$$-\frac{x^{8} - 2 x^{6} - x^{5} + x^{3} + 3 x^{2} + 3 x + 2}{x^{5} + x^{2} - 1}$$

Sequence: A239905
Score: 8.83316
Type of gen. func.: ogf

$$\frac{x^{12} - x^{11} + x^{9} - x^{8} + x^{4} - x^{3} - x^{2} - x - 1}{x^{12} + 2 x^{4} - 1}$$

Sequence: A239909
Score: 12.2559
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^{2} + x + 1)}{x^{4} - x^{3} - x^{2} - x + 1}$$

Sequence: A239909
Score: 6.37305
Type of gen. func.: ogf

$$(3 f(x) - 1) (f(x) x^{4} - f(x) x^{3} - f(x) x^{2} + x^{3} - f(x) x + f(x) - 1)$$

Sequence: A239980
Score: 3.70079
Type of gen. func.: ogf

$$- (4 x^{12} - 6 x^{10} - 6 x^{9} + 6 x^{8} + 4 x^{7} - 4 x^{6} + x^{4} - 4 x^{2} - 3 x - 1) / (6 x^{13} - 5 x^{11} - 10 x^{10} - 2 x^{9} - 4 x^{8} - x^{7} + 15 x^{6} + 5 x^{5} + x^{4} - 10 x^{3} - 2 x^{2} + 1)$$

Sequence: A239987
Score: 6.30089
Type of gen. func.: ogf

$$-\frac{x^7 + x^6 - 8 x^5 + 13 x^4 - 13 x^3 + 13 x^2 - 9 x + 3}{(x - 1)^5}$$

Sequence: A240001
Score: 11.4074
Type of gen. func.: ogf

$$\frac{3 x^2 - 7 x + 5}{(x - 1)^4}$$

Sequence: A240001
Score: 11.5752
Type of gen. func.: lgdogf

$$-\frac{-6 x^2 + 15 x - 13}{-3 x^3 + 10 x^2 - 12 x + 5}$$

Sequence: A240001
Score: 3.85839
Type of gen. func.: ogf

$$\{(-5 n - 20) a(n + 4) + (49 + 12 n) a(n + 3) + (-10 n - 35) a(n + 2)$$

$$+ (9 + 3 n) a(n + 1), a(0) = 5, a(1) = 13, a(2) = 25, a(3) = 42\}$$

Sequence: A240001
Score: 5.91813
Type of gen. func.: ogf

$$(166 f(x) - 289)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 3 x^2 + f(x) + 7 x - 5)$$

Sequence: A240022
Score: 6.02734
Type of gen. func.: ogf

$$-(70 f(x) + 443) (100 f(x) x^4 - 100 x^4 - 20 f(x) x^2 - 70 x^2 + f(x) - 18 x - 10)$$

Sequence: A240022
Score: 6.13308
Type of gen. func.: ogf

$$\{(10 n + 30) a(n) + (-n - 1) a(n + 2), a(0) = 10, a(1) = 18, a(2) = 270\}$$

Sequence: A240022
Score: 6.99171
Type of gen. func.: lgdogf

$$-\frac{900 x^3 + 270 x^2 + 270 x + 9}{500 x^6 + 300 x^4 + 90 x^3 + 15 x^2 - 9 x - 5}$$

Sequence: A240022
Score: 9.57768
Type of gen. func.: ogf

$$\frac{2 (50 x^4 + 35 x^2 + 9 x + 5)}{(10 x^2 - 1)^2}$$

Sequence: A240034
Score: 8.29582
Type of gen. func.: ogf

$$-\frac{2 (x^6 + x^5 + 5 x^4 + 4 x^3 - 3 x - 2)}{x^6 + 3 x^4 - 4 x^2 + 1}$$

Sequence: A240056
Score: 15.4848
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^3 + 2x^2 - x + 1}{x - 1}$$

Sequence: A240058
Score: 14.1408
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^4 - 2x^3 + x^2 - x}{-x + 1}$$

Sequence: A240059
Score: 14.1172
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^4 + 2x^3 - x^2 + 1}{x - 1}$$

Sequence: A240063
Score: 13.4035
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^5 + x^4 + x^2 - x + 1}{x - 1}$$

Sequence: A240064
Score: 13.5317
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^5 + x^4 + x^3 - x + 1}{x - 1}$$

Sequence: A240065
Score: 12.3283
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^5 - x^4 - x^3 + x^2 - 1}{-x + 1}$$

Sequence: A240115
Score: 5.81267
Type of gen. func.: ogf

$$-\frac{x^{15} - x^{13} - x^{12} + 2 x^{10} + x^7 + x^5 + 2 x + 1}{(x + 1) (x^2 + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A240134
Score: 13.9655
Type of gen. func.: ogf

$$\frac{x (x^4 - 4 x - 1)}{(x - 1)^3 (x + 1)^3}$$

Sequence: A240134
Score: 9.93423
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 4 x^3 - 20 x^2 - 6 x - 4}{x^6 - x^4 - 4 x^3 - x^2 + 4 x + 1}$$

Sequence: A240137
Score: 3.86155
Type of gen. func.: ogf

$$\{(-10513 n^2 - 42493 n - 42934) a(n + 1) + (15986 n^2 + 40697 n + 92786) a(n + 2)$$
$$+ (-5473 n^2 - 18364 n - 14836) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 35\}$$

Sequence: A240137
Score: 8.67811
Type of gen. func.: ogf

$$-\frac{x\,(8\,x^{3}+51\,x^{2}+30\,x+1)}{(x-1)^{5}}$$

Sequence: A240137
Score: 9.06813
Type of gen. func.: lgdogf

$$-\frac{16\,x^{3}+177\,x^{2}+222\,x+35}{8\,x^{4}+43\,x^{3}-21\,x^{2}-29\,x-1}$$

Sequence: A240144
Score: 9.49768
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{20}+x^{18}-x^{17}+x}{x^{21}-x^{19}+x^{2}-1}$$

Sequence: A240145
Score: 9.63668
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{22}+x^{20}-x^{19}+x}{x^{23}-x^{21}+x^{2}-1}$$

Sequence: A240146
Score: 9.43695
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{24}-x^{22}+x^{21}-x}{}$$

$$-x^{25} + x^{23} - x^{2} + 1$$

Sequence: A240165
Score: 8.04958
Type of gen. func.: lgdegf]

$$\left(\frac{\exp(-2 x)}{2 x + 1} + 1\right) (2 \exp(2 x) x + \exp(2 x))$$

Sequence: A240172
Score: 4.68806
Type of gen. func.: ogf

{(n + 3) a(n + 1) + (2 n + 7) a(n + 2) + (n + 2) a(n + 3) - a(n + 4), a(0) = 1,

a(1) = 1, a(2) = 3, a(3) = 10}

Sequence: A240193
Score: 4.34643
Type of gen. func.: ogf

$$- \frac{72 x^{8} - 52 x^{7} - 25 x^{6} + 40 x^{5} - 50 x^{4} + 33 x^{3} + 10 x^{2} - 15 x + 3}{(2 x - 1) (x - 1) (8 x^{4} - 4 x^{3} - 7 x^{2} + 6 x - 1)}$$

Sequence: A240277
Score: 12.6477
Type of gen. func.: ogf

$$\frac{4 x^{4} - 5 x^{3} - x + 1}{(2 x - 1) (x - 1)}$$

Sequence: A240277
Score: 7.01373
Type of gen. func.: ogf

$$-(832 f(x) - 7253) (-4 x^{4} + 2 f(x) x^{2} + 5 x^{3} - 3 f(x) x + f(x) + x - 1)$$

Sequence: A240285
Score: 5.77697
Type of gen. func.: ogf

$$-\frac{(x-1)(8x^6+7x^5-14x^4-15x^3+5x^2+10x+2)}{16x^8-31x^6+24x^4-12x^2+1}$$

Sequence: A240290
Score: 5.20802
Type of gen. func.: ogf

$$\frac{2(x-1)(8x^7+3x^6-16x^5-4x^4+15x^3+7x^2-5x-2)}{16x^8-31x^6+24x^4-12x^2+1}$$

Sequence: A240316
Score: 5.72882
Type of gen. func.: ogf

$$-\frac{2(4x^7+6x^6-6x^5-8x^4+2x^3+3x^2-2x-1)}{16x^8-31x^6+24x^4-12x^2+1}$$

Sequence: A240333
Score: 5.51835
Type of gen. func.: ogf

$$\frac{2x^7-x^6-6x^5+14x^4-18x^3+18x^2-9x+4}{(x-1)^6}$$

Sequence: A240342
Score: 4.36778
Type of gen. func.: ogf

(4 f(x) + 49) (

4   3   2   3   2

$8 f(x) x - 4 f(x) x - 7 f(x) x + 8 x + 6 f(x) x - 2 x - f(x) - 6 x + 4$

)

Sequence: A240342
Score: 7.82796
Type of gen. func.: ogf

$$-\frac{2 (x + 1) (4 x^2 - 5 x + 2)}{8 x^4 - 4 x^3 - 7 x^2 + 6 x - 1}$$

Sequence: A240382
Score: 5.66161
Type of gen. func.: ogf

$$-\frac{2 (x - 1) (10 x^6 + 9 x^5 - 10 x^4 - 13 x^3 + 2 x^2 + 7 x + 2)}{16 x^8 - 31 x^6 + 24 x^4 - 12 x^2 + 1}$$

Sequence: A240389
Score: 6.67436
Type of gen. func.: ogf

$$-\frac{8 x^7 - x^6 - 13 x^5 + 10 x^3 - 5 x - 1}{16 x^8 - 31 x^6 + 24 x^4 - 12 x^2 + 1}$$

Sequence: A240395
Score: 5.48236
Type of gen. func.: ogf

$$\frac{6 x^9 - 20 x^8 + 29 x^7 - 29 x^6 + 26 x^5 - 18 x^4 - 2 x^3 + 8 x^2 - 2 x - 2}{(x - 1)^5}$$

Sequence: A240428
Score: 6.19332
Type of gen. func.: ogf

$$-\frac{2 (x - 1) (4 x^6 + 2 x^5 - 5 x^4 - 3 x^3 + 4 x^2 + 4 x + 1)}{16 x^8 - 31 x^6 + 24 x^4 - 12 x^2 + 1}$$

Sequence: A240434
Score: 11.2217
Type of gen. func.: ogf

$$-\frac{4 x (x - 1)}{(2 x - 1)^4}$$

Sequence: A240434
Score: 15.8974
Type of gen. func.: lgdogf

$$-\frac{-6 x + 7}{-2 x^2 + 3 x - 1}$$

Sequence: A240434
Score: 5.05347
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 3) + (10 + 3 n) a(n + 2) + (-2 n - 6) a(n + 1), a(0) = 0,$$
$$a(1) = 4, a(2) = 28\}$$

Sequence: A240434
Score: 5.825
Type of gen. func.: ogf

$$(70 f(x) + 251)$$
$$(16 f(x) x^4 - 32 f(x) x^3 + 24 f(x) x^2 - 8 f(x) x + 4 x^2 + f(x) - 4 x)$$

Sequence: A240437
Score: 10.8382
Type of gen. func.: ogf

$$25 f(x) x^3 - 5 f(x) x^2 - 5 f(x) x + f(x) - 20 x$$

Sequence: A240437
Score: 12.7794
Type of gen. func.: lgdogf

$$-\frac{75 x^2 - 10 x - 5}{25 x^3 - 5 x^2 - 5 x + 1}$$

Sequence: A240437
Score: 18.2175
Type of gen. func.: ogf

$$\frac{20 x}{(5 x - 1) (5 x^2 - 1)}$$

Sequence: A240437
Score: 7.44541
Type of gen. func.: ogf

{-a(n + 3) + 5 a(n + 2) + 5 a(n + 1) - 25 a(n), a(0) = 0, a(1) = 20, a(2) = 100

}

Sequence: A240438
Score: 10.5854
Type of gen. func.: ogf

$$-\frac{x (x + 1) (2 x + 1)}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A240438
Score: 8.66080
Type of gen. func.: lgdogf

$$6 x^4 + 16 x^3 + 15 x^2 + 12 x + 5$$

```
                      - ---------------------------------
                           5      4    3      2
                        2 x  + 3 x  + x  - 2 x  - 3 x - 1



-------------------------------------------------------------------------------

Sequence:  A240440
Score: 27.8472
Type of gen. func.: lgdogf


                                       7
                                     ------
                                     -x + 1



-------------------------------------------------------------------------------

Sequence:  A240440
Score: 59.4508
Type of gen. func.: ogf_with_Euler_transform]


                                      [7]



-------------------------------------------------------------------------------

Sequence:  A240440
Score: 7.28712
Type of gen. func.: ogf


        {n a(n + 2) + (-6 - n) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 15}



-------------------------------------------------------------------------------

Sequence:  A240440
Score: 9.50880
Type of gen. func.: ogf


                                          2
                                      15 x
                                   - --------
                                            7
                                     (x - 1)



-------------------------------------------------------------------------------

Sequence:  A240441
Score: 4.92224
Type of gen. func.: ogf


                          2   4       3       2
                       3 x  (x  + 31 x  + 76 x  + 31 x + 1)
                     - ------------------------------------
                                       2        9
                                (x + 1)  (x - 1)
```

Sequence: A240445
Score: 4.02645
Type of gen. func.: ogf

$$-\frac{48 (x + 1) (2 x^{4} + 62 x^{3} + 187 x^{2} + 62 x + 2)}{(x - 1)^{11}}$$

Sequence: A240461
Score: 4.15692
Type of gen. func.: ogf

$$-(916 f(x) + 589) (8 f(x) x^{4} - 4 f(x) x^{3} - 7 f(x) x^{2} + 8 x^{3} + 6 f(x) x - 2 x^{2} - f(x) - 9 x + 5)$$

Sequence: A240461
Score: 7.82796
Type of gen. func.: ogf

$$-\frac{8 x^{3} - 2 x^{2} - 9 x + 5}{8 x^{4} - 4 x^{3} - 7 x^{2} + 6 x - 1}$$

Sequence: A240478
Score: 5.17048
Type of gen. func.: ogf

$$(12033 f(x) + 10522) (2 f(x) x^{4} - f(x) x^{2} + 2 x^{3} - 3 f(x) x + x^{2} + f(x) - 2 x - 2)$$

Sequence: A240478
Score: 9.51670
Type of gen. func.: ogf

$$-\frac{2 x^{3} + x^{2} - 2 x - 2}{}$$

4   2

$$2 x - x - 3 x + 1$$

Sequence: A240479
Score: 5.84487
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^4 - 2 x^3 - 5 x^2 - 5 x - 4)}{x^6 - 2 x^5 - 6 x^4 - 2 x^3 - 3 x^2 - 4 x + 1}$$

Sequence: A240506
Score: 10.3524
Type of gen. func.: ogf

$$-\frac{6 x^3 - 3 x + 1}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A240506
Score: 4.78990
Type of gen. func.: ogf

$\{a(n + 4) - 6 a(n + 3) + 11 a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 7,$

$a(3) = 21\}$

Sequence: A240506
Score: 6.51953
Type of gen. func.: ogf

$$(118 f(x) - 27) (6 f(x) x^3 - 11 f(x) x^2 + 6 x^3 + 6 f(x) x - f(x) - 3 x + 1)$$

Sequence: A240513
Score: 7.82586
Type of gen. func.: ogf

$$-\frac{(x - 2) (2 x^3 + x^2 - 1)}{(x - 1) (x^4 - x^3 - 2 x^2 - x + 1)}$$

Sequence: A240525
Score: 12.1602
Type of gen. func.: ogf

$$-\frac{28 x^2 + x - 5}{(2 x + 1) (2 x - 1) (4 x - 1)}$$

Sequence: A240525
Score: 6.33134
Type of gen. func.: ogf

$$-(77 f(x) + 6947) (16 f(x) x^3 - 4 f(x) x^2 - 4 f(x) x + 28 x^2 + f(x) + x - 5)$$

Sequence: A240525
Score: 6.66168
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) - 4 a(n + 1) + 16 a(n), a(0) = 5, a(1) = 19, a(2) = 68\}$$

Sequence: A240525
Score: 6.96448
Type of gen. func.: lgdogf

$$-\frac{-448 x^4 - 32 x^3 + 132 x^2 + 16 x - 19}{-448 x^5 + 96 x^4 + 196 x^3 - 44 x^2 - 21 x + 5}$$

Sequence: A240526
Score: 12.1602
Type of gen. func.: ogf

$$-\frac{44 x^2 + 5 x - 7}{(2 x + 1) (2 x - 1) (4 x - 1)}$$

Sequence: A240526

Score: 6.3841
Type of gen. func.: ogf

$$(6115 f(x) - 24031)$$

$$(16 f(x) x^3 - 4 f(x) x^2 - 4 f(x) x + 44 x^2 + f(x) + 5 x - 7)$$

Sequence: A240526
Score: 6.66168
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) + 4 a(n + 1) - 16 a(n), a(0) = 7, a(1) = 23, a(2) = 76\}$$

Sequence: A240526
Score: 6.90174
Type of gen. func.: lgdogf

$$- \frac{704 x^4 + 160 x^3 - 180 x^2 - 32 x + 23}{704 x^5 - 96 x^4 - 308 x^3 + 52 x^2 + 33 x - 7}$$

Sequence: A240530
Score: 15.2547
Type of gen. func.: ogf

$$-4 f(x)^2 x + f(x)^2 - 16$$

Sequence: A240530
Score: 25.0613
Type of gen. func.: lgdogf

$$\frac{2}{-4 x + 1}$$

Sequence: A240530
Score: 6.74727
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 2) + (6 + 4 n) a(n + 1), a(0) = 4, a(1) = 8\}$$

Sequence: A240530
Score: 68.8840
Type of gen. func.: lgdogf

$$\frac{2}{-4 x + 1}$$

Sequence: A240558
Score: 5.98524
Type of gen. func.: ogf

$$-64 f(x)^2 x^4 + 4 f(x)^2 x^2 - 32 f(x) x^3 + 16 f(x) x^2 + 2 f(x) x - 20 x^2 - f(x) + 1$$

Sequence: A240607
Score: 11.0376
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 3 x^2 + 4 x}{x^4 + x^3 + 2 x^2 - 1}$$

Sequence: A240607
Score: 16.2184
Type of gen. func.: ogf

$$-\frac{x^3}{x^4 + x^3 + 2 x^2 - 1}$$

Sequence: A240607
Score: 9.81117
Type of gen. func.: ogf

$$-f(x) x^4 - f(x) x^3 - 2 f(x) x^2 - x^3 + f(x)$$

Sequence: A240631
Score: 4.15162
Type of gen. func.: ogf

$$-\frac{x^7+2x^6+3x^5-5x^4-13x^3-13x^2-9x-4}{x^8+x^7+x^6-6x^5-7x^4-2x^3-4x^2-4x+1}$$

Sequence: A240637
Score: 6.02267
Type of gen. func.: ogf

$$\frac{3x^5+2x^4-13x^3-13x^2-x+1}{(x-1)(x+1)(9x^2+6x-1)}$$

Sequence: A240638
Score: 4.10160
Type of gen. func.: ogf

$$-\frac{170x^5+154x^4+97x^3+24x^2+x-2}{(x-1)(x^2+x+1)(81x^3+54x^2+14x-1)}$$

Sequence: A240688
Score: 4.66621
Type of gen. func.: ogf

$$-4f(x)^2x^3-8f(x)^2x^2-3f(x)^2x+4f(x)x^2+f(x)^2+4f(x)x-f(x)-2x$$

Sequence: A240701
Score: 3.62258
Type of gen. func.: ogf

$$-\frac{72x^6-11x^5-52x^4-59x^3-24x^2-3x+2}{(x-1)(45x^4-21x^3-40x^2-15x+1)(x^2+x+1)}$$

Sequence: A240707
Score: 5.85497
Type of gen. func.: ogf

$$\frac{(x^2 + 3 x + 1) (3 x^4 + 3 x^3 + 6 x^2 + 3 x + 1)}{(x^2 + x + 1)^2 (x - 1)^4}$$

Sequence: A240711
Score: 5.84046
Type of gen. func.: ogf

$$\frac{7 x^6 + 27 x^5 + 43 x^4 + 52 x^3 + 33 x^2 + 13 x + 1}{(x^2 + x + 1)^2 (x - 1)^4}$$

Sequence: A240714
Score: 8.48408
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A240721
Score: 7.74387
Type of gen. func.: ogf

$$8 f(x)^2 x^3 + 7 f(x)^2 x^2 - f(x)^2 x + 8 f(x) x - f(x) + 1$$

Sequence: A240778
Score: 4.77257
Type of gen. func.: ogf

$$- \frac{(2 x^4 - 7 x^3 + 6 x^2 - 3 x + 1) (x + 1)^2}{(x - 1) (x^6 - 2 x^5 - 6 x^4 - 2 x^3 - 3 x^2 - 4 x + 1)}$$

Sequence: A240784
Score: 8.12113
Type of gen. func.: ogf

$$-\frac{4 x^4 + x^3 + 6 x^2 - 3 x - 4}{(x - 1) (x + 1) (x^3 + 2 x - 1)}$$

Sequence: A240805
Score: 11.2271
Type of gen. func.: ogf

$$\frac{1}{(2 x - 1) (x + 1)^2 (x - 1)^3 (2 x^2 + x + 1)^3}$$

Sequence: A240805
Score: 13.9580
Type of gen. func.: lgdogf

$$-\frac{-48 x^4 + 24 x^2}{-4 x^5 + 3 x^3 + x^2 + x - 1}$$

Sequence: A240806
Score: 12.1601
Type of gen. func.: lgdogf

$$-\frac{-126 x^4 - 9 x^3 + 3 x^2 + 9 x + 3}{-9 x^5 + 7 x^3 + x^2 + 2 x - 1}$$

Sequence: A240806
Score: 7.93051
Type of gen. func.: ogf

$$-\frac{1}{(3 x - 1) (3 x^2 + x + 1) (x + 1)^5 (x - 1)^6}$$

Sequence: A240826
Score: 6.18837
Type of gen. func.: ogf

$$-\frac{x\,(35\,x^4 + 724\,x^3 + 1722\,x^2 + 724\,x + 35)}{(x - 1)^7}$$

Sequence: A240828
Score: 14.0653
Type of gen. func.: ogf

$$\frac{2\,x^2\,(x^2 + x + 1)}{(x^2 + 1)\,(x - 1)^2\,(x + 1)^2}$$

Sequence: A240828
Score: 24.9734
Type of gen. func.: egf]_with_Euler_transform]

$$1 + x - 1/2\,x^2 + 1/6\,x^3$$

Sequence: A240828
Score: 9.87279
Type of gen. func.: lgdogf

$$-\frac{4\,x^5 + 5\,x^4 + 8\,x^3 + 2\,x^2 + 4\,x + 1}{x^6 + x^5 + x^4 - x^2 - x - 1}$$

Sequence: A240831
Score: 6.23213
Type of gen. func.: ogf

$$(6\,x^{38} - 6\,x^{37} + 5\,x^{13} - x^{12} - x^{11} - x^{10} - x^9 - x^8 + x^5 + x^4 + x^3 + x^2 + x + 1)$$

$$/\ ((x^2 + 1)\,(x^4 + 1)\,(x^2 + x + 1)\,(x^2 - x + 1)\,(x - 1)^2\,(x + 1)^2\,)$$

/

Sequence: A240836
Score: 13.6472
Type of gen. func.: ogf

$$\frac{2 (2 x - 1)}{(x - 1) (x^2 - 7 x + 1)}$$

Sequence: A240836
Score: 6.34476
Type of gen. func.: ogf

{a(n + 3) - 8 a(n + 2) + 8 a(n + 1) - a(n), a(0) = 2, a(1) = 12, a(2) = 80}

Sequence: A240836
Score: 6.45807
Type of gen. func.: ogf

$$-(2265 f(x) + 334) (f(x) x^3 - 8 f(x) x^2 + 8 f(x) x - f(x) - 4 x + 2)$$

Sequence: A240836
Score: 8.50945
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 19 x^2 + 16 x - 6}{2 x^4 - 17 x^3 + 24 x^2 - 10 x + 1}$$

Sequence: A240846
Score: 12.8471
Type of gen. func.: ogf

$$\frac{x (12 x + 1)}{(12 x - 1) (x - 1)}$$

Sequence: A240846
Score: 6.42354
Type of gen. func.: ogf

$$\{a(n + 3) - 13 a(n + 2) + 12 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 25\}$$

Sequence: A240846
Score: 7.95296
Type of gen. func.: ogf

$$f(x) (12 f(x) x^2 - 13 f(x) x - 12 x^2 + f(x) - x)$$

Sequence: A240846
Score: 9.27844
Type of gen. func.: lgdogf

$$- \frac{-144 x^2 - 24 x + 25}{-144 x^3 + 144 x^2 + x - 1}$$

Sequence: A240847
Score: 5.24011
Type of gen. func.: ogf

$$f(x) x^4 + 2 f(x) x^3 - f(x) x^2 + 2 x^3 - 2 f(x) x - x^2 + f(x)$$

Sequence: A240847
Score: 8.12596
Type of gen. func.: ogf

$$- \frac{x^2 (2 x - 1)}{(x^2 + x - 1)^2}$$

Sequence: A240847
Score: 9.34485
Type of gen. func.: lgdogf

2

$$-\frac{-6x + 2x}{-2x^3 - x^2 + 3x - 1}$$

Sequence: A240848
Score: 5.99395
Type of gen. func.: ogf

$$-(x^{20} + 7x^{10} - 2x^9 - 2x^8 - 2x^7 - 2x^6 - 2x^5 - 2x^4 - 2x^3 - 2x^2 - 2x - 1) \Big/ ((x + 1)(x^4 + x^3 + x^2 + x + 1)(x^4 - x^3 + x^2 - x + 1)(x - 1)^2)$$

Sequence: A240871
Score: 5.25274
Type of gen. func.: ogf

$$-\frac{x^5 (x^7 + 2x^6 + 3x^5 + 3x^4 + 3x^3 + 3x^2 + x + 1)}{(x - 1)(x + 1)(x^2 + 1)(x^2 + x + 1)}$$

Sequence: A240876
Score: 15.9513
Type of gen. func.: lgdogf

$$-\frac{x + 23}{x^2 - 1}$$

Sequence: A240876
Score: 20.5089
Type of gen. func.: ogf

$$\frac{(x + 1)^{11}}{(x - 1)^{12}}$$

Sequence: A240876
Score: 30.8133

Type of gen. func.: ogf_with_Euler_transform]

$$[23 - 11 x]$$

Sequence: A240876
Score: 5.20152
Type of gen. func.: ogf

$$\{(-3 - n) a(n + 3) + 23 a(n + 2) + (n + 2) a(n + 1), a(0) = 1, a(1) = 23, a(2) = 265\}$$

Sequence: A240879
Score: 11.2713
Type of gen. func.: lgdogf

$$\frac{-\frac{1 + 4 x}{(4 x - 1)^{1/2}} - I}{(4 x - 1)^{1/2} x}$$

Sequence: A240879
Score: 4.63374
Type of gen. func.: ogf

$$\{(-16 n^2 - 72 n - 80) a(n + 1) + (8 n^2 + 34 n + 30) a(n + 2) + (-n^2 - 4 n - 3) a(n + 3), a(0) = 1, a(1) = 6, a(2) = 31\}$$

Sequence: A240879
Score: 4.73905
Type of gen. func.: ogf

$$-256 f(x)^2 x^4 + 256 f(x)^2 x^3 - 96 f(x)^2 x^2 - 32 f(x) x^3 + 16 f(x)^2 x + 32 f(x) x^2 - f(x)^2 - 10 f(x) x - x^2 + f(x)$$

Sequence: A240880
Score: 13.3007

Type of gen. func.: revogf

$$- 1/8 + \frac{(48 x^2 + 16 x + 1)^{1/2}}{8}$$

Sequence: A240880
Score: 15.9609
Type of gen. func.: ogf

$$4 x + 1 - f(x) - 3 f(x)^2 x$$

Sequence: A240880
Score: 3.27963
Type of gen. func.: ogf

$$\{(384 n^2 + 384 n) a(n) + (144 n^2 + 432 n + 288) a(n + 1) + (20 n^2 + 98 n + 114) a(n + 2) + (n^2 + 7 n + 12) a(n + 3), a(0) = 1, a(1) = 1, a(2) = -6\}$$

Sequence: A240881
Score: 8.15228
Type of gen. func.: ogf

$$3 f(x)^2 x^3 + 3 f(x)^2 x - f(x) x^2 - f(x) x - f(x) + 1$$

Sequence: A240888
Score: 4.25786
Type of gen. func.: ogf

$$-(158533 f(x) - 32213) (4 f(x) x^4 + 14 f(x) x^3 + 8 f(x) x^2 + 2 x^3 + 3 f(x) x + 8 x^2 - f(x) + 5 x + 2)$$

Sequence: A240888
Score: 8.24277
Type of gen. func.: ogf

$$-\frac{2x^3+8x^2+5x+2}{4x^4+14x^3+8x^2+3x-1}$$

Sequence: A240916
Score: 4.56459
Type of gen. func.: ogf

{a(n + 5) - 9 a(n + 4) + 20 a(n + 3) - 12 a(n + 2), a(0) = 0, a(1) = 0,

a(2) = 3, a(3) = 24, a(4) = 158}

Sequence: A240916
Score: 5.16151
Type of gen. func.: ogf

$$(123688 f(x) + 19125)$$

$$(12 f(x) x^3 + 2 x^4 - 20 f(x) x^2 - 3 x^3 + 9 f(x) x + 3 x^2 - f(x))$$

Sequence: A240916
Score: 9.45063
Type of gen. func.: ogf

$$-\frac{x^2 (2x^2-3x+3)}{(x-1)(6x-1)(2x-1)}$$

Sequence: A240917
Score: 10.7552
Type of gen. func.: ogf

$$-\frac{2x(3x+5)}{(x-1)(3x-1)(9x-1)}$$

Sequence: A240917
Score: 5.51315
Type of gen. func.: ogf

$$(22648 f(x) - 16637) (27 f(x) x^3 - 39 f(x) x^2 + 13 f(x) x + 6 x^2 - f(x) + 10 x)$$

Sequence: A240917
Score: 5.60739
Type of gen. func.: ogf

$$\{a(n + 3) - 13 a(n + 2) + 39 a(n + 1) - 27 a(n), a(0) = 0, a(1) = 10, a(2) = 136\}$$

Sequence: A240917
Score: 7.13114
Type of gen. func.: lgdogf

$$- \frac{-162 x^3 - 288 x^2 + 390 x - 68}{-81 x^4 - 18 x^3 + 156 x^2 - 62 x + 5}$$

Sequence: A240926
Score: 11.7855
Type of gen. func.: ogf

$$- \frac{5 x^2 - 11 x + 4}{(x - 1) (x^2 - 3 x + 1)}$$

Sequence: A240926
Score: 6.08919
Type of gen. func.: ogf

$$-(235 f(x) + 941) (f(x) x^3 - 4 f(x) x^2 + 4 f(x) x + 5 x^2 - f(x) - 11 x + 4)$$

Sequence: A240926
Score: 6.52414
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 4 a(n + 1) + a(n), a(0) = 4, a(1) = 5, a(2) = 9\}$$

Sequence: A240926
Score: 7.09421
Type of gen. func.: lgdogf

$$-\frac{-5 x^{4} + 22 x^{3} - 36 x^{2} + 22 x - 5}{-5 x^{5} + 31 x^{4} - 68 x^{3} + 65 x^{2} - 27 x + 4}$$

Sequence: A240928
Score: 5.34422
Type of gen. func.: ogf

$$\frac{x^{5} + 83 x^{4} + 673 x^{3} + 1154 x^{2} + 470 x + 35}{(x - 1)^{8}}$$

Sequence: A240929
Score: 3.89512
Type of gen. func.: ogf

$$\frac{x^{7} + 326 x^{6} + 7942 x^{5} + 42341 x^{4} + 67030 x^{3} + 33638 x^{2} + 4786 x + 126}{(x - 1)^{10}}$$

Sequence: A240930
Score: 5.32258
Type of gen. func.: ogf

$$\frac{2 x^{2} (x^{5} + 88 x^{4} + 718 x^{3} + 1208 x^{2} + 473 x + 32)}{(x - 1)^{8}}$$

Sequence: A240931
Score: 4.50549
Type of gen. func.: ogf

$$-\frac{2 x^{2} (x^{6} + 183 x^{5} + 2682 x^{4} + 8422 x^{3} + 7197 x^{2} + 1611 x + 64)}{{}^{9}}$$

$$(x - 1)$$

Sequence: A240932
Score: 3.70514
Type of gen. func.: ogf

$$2 x^2 (x^7 + 374 x^6 + 9327 x^5 + 49780 x^4 + 78095 x^3 + 38454 x^2 + 5281 x + 128) / (x - 1)^{10}$$

Sequence: A240933
Score: 5.88508
Type of gen. func.: ogf

$$- 2 x^2 (x^8 + 757 x^7 + 30973 x^6 + 264409 x^5 + 689155 x^4 + 621199 x^3 + 190783 x^2 + 16867 x + 256) / (x - 1)^{11}$$

Sequence: A240951
Score: 16.1205
Type of gen. func.: ogf

$$\frac{(x - 1) (2 x^2 + x + 1)}{2 x - 1}$$

Sequence: A240951
Score: 8.22818
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 8\}$$

Sequence: A240951
Score: 9.07936
Type of gen. func.: ogf

$$-(188 f(x) + 253) (-2 x^3 + 2 f(x) x + x^2 - f(x) + 1)$$

Sequence: A240951
Score: 9.87381
Type of gen. func.: lgdogf

$$-\frac{8 x^{3} - 8 x^{2} + 2 x + 2}{-4 x^{4} + 4 x^{3} - x^{2} + 2 x - 1}$$

Sequence: A240956
Score: 7.96731
Type of gen. func.: revegf]

$$(\ln(x - 1) + \ln(x + 1) - \mathrm{Pi}\ I) (1 - 1/x)$$

Sequence: A241023
Score: 13.2797
Type of gen. func.: lgdogf

$$-\frac{4 x - 4}{x^{3} - 5 x^{2} - 5 x + 1}$$

Sequence: A241023
Score: 28.1135
Type of gen. func.: lgdogf

$$-\frac{4 x - 4}{x^{3} - 5 x^{2} - 5 x + 1}$$

Sequence: A241023
Score: 4.37449
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-14 - 5 n) a(n + 2) + (-1 - 5 n) a(n + 1) + n a(n),$$

$$a(0) = 1, a(1) = 4, a(2) = 16\}$$

Sequence: A241023
Score: 9.91553
Type of gen. func.: ogf

$$-f(x)^2 x^2 + 6 f(x)^2 x - f(x)^2 + x^2 + 2 x + 1$$

Sequence: A241029
Score: 3.57085
Type of gen. func.: ogf

$$(3304291725 f(x) + 36441753004) (484 f(x) x^4 - 792 f(x) x^3 + 343 f(x) x^2 + 792 x^3 - 36 f(x) x - 686 x^2 + f(x) + 108 x - 4)$$

Sequence: A241029
Score: 6.70527
Type of gen. func.: ogf

$$- \frac{2 (396 x^3 - 343 x^2 + 54 x - 2)}{(x - 1) (22 x - 1) (2 x - 1) (11 x - 1)}$$

Sequence: A241030
Score: 3.57794
Type of gen. func.: ogf

$$(196687012500 f(x) + 1989840628427) (676 f(x) x^4 - 1092 f(x) x^3 + 457 f(x) x^2 + 1092 x^3 - 42 f(x) x - 914 x^2 + f(x) + 126 x - 4)$$

Sequence: A241030
Score: 6.80586
Type of gen. func.: ogf

$$- \frac{2 (546 x^3 - 457 x^2 + 63 x - 2)}{(x - 1) (26 x - 1) (13 x - 1) (2 x - 1)}$$

Sequence: A241031

Score: 3.86250
Type of gen. func.: ogf

$$-\frac{2\,(21952\,x^{5} - 29204\,x^{4} + 12360\,x^{3} - 2086\,x^{2} + 140\,x - 3)}{(x - 1)\,(28\,x - 1)\,(4\,x - 1)\,(14\,x - 1)\,(2\,x - 1)\,(7\,x - 1)}$$

Sequence: A241038
Score: 4.86473
Type of gen. func.: ogf

$$\{a(n + 3) - 13\,a(n + 2) + 39\,a(n + 1) - 27\,a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 28\}$$

Sequence: A241038
Score: 4.99503
Type of gen. func.: ogf

$$(28\,f(x) + 1)\,(27\,f(x)\,x^{3} - 39\,f(x)\,x^{2} + 13\,f(x)\,x + 15\,x^{2} - f(x) + x)$$

Sequence: A241038
Score: 6.08091
Type of gen. func.: lgdogf

$$-\frac{810\,x^{3} - 504\,x^{2} - 78\,x + 28}{405\,x^{4} - 558\,x^{3} + 156\,x^{2} - 2\,x - 1}$$

Sequence: A241038
Score: 9.17121
Type of gen. func.: ogf

$$-\frac{x\,(15\,x + 1)}{(x - 1)\,(3\,x - 1)\,(9\,x - 1)}$$

Sequence: A241050
Score: 4.85561
Type of gen. func.: ogf

$$-(2\,x^{14} + x^{13} - x^{12} - 2\,x^{11} + 3\,x^{9} + 4\,x^{8} + x^{7} - 2\,x^{6} + 3\,x^{4} - 2\,x^{2} + 3\,x + 3)$$

$$/ \left((x + 1) \left(x^{10} - x^{9} + x^{8} - x^{6} + x^{5} - x^{3} + x^{2} + x - 1\right)\right)$$

Sequence: A241073
Score: 5.91104
Type of gen. func.: ogf

$$-\frac{(x + 1) \left(4 x^{5} - 4 x^{4} - 4 x^{3} + x^{2} + 3 x - 1\right)}{(x - 1) \left(8 x^{5} - 6 x^{4} - 7 x^{3} - 3 x^{2} + 5 x - 1\right)}$$

Sequence: A241084
Score: 6.20750
Type of gen. func.: ogf

$$-\frac{5 x^{6} + 17 x^{5} + 25 x^{4} + 30 x^{3} + 19 x^{2} + 7 x + 1}{\left(x^{2} + x + 1\right)^{2} (x - 1)^{5}}$$

Sequence: A241103
Score: 4.83098
Type of gen. func.: ogf

$$-(3368 f(x) - 223) \left(16 f(x) x^{3} + 8 f(x) x^{2} + 3 f(x) x + 9 x^{2} - f(x) + 5 x + 2\right)$$

Sequence: A241103
Score: 5.08303
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 8 a(n + 1) - 16 a(n), a(0) = 2, a(1) = 11, a(2) = 58\}$$

Sequence: A241103
Score: 9.42819
Type of gen. func.: ogf

$$-\frac{9 x^{2} + 5 x + 2}{{}^{3} \qquad {}^{2}}$$

$$16 x + 8 x + 3 x - 1$$

Sequence: A241121
Score: 12.7771
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^{3}$$

Sequence: A241125
Score: 6.02934
Type of gen. func.: ogf

$$\frac{(2 x - 1) (x - 1) (2 x^{3} - x^{2} - 3 x - 2)}{8 x^{5} - 10 x^{4} - 9 x^{3} + 2 x^{2} + 6 x - 1}$$

Sequence: A241133
Score: 6.18529
Type of gen. func.: ogf

$$\frac{(x - 1) (4 x^{4} - 2 x^{3} - 6 x^{2} - x + 1)}{(2 x - 1) (4 x^{4} - x^{3} - 6 x^{2} - 2 x + 1)}$$

Sequence: A241158
Score: 47.5357
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{10} + x^{9} + 2$$

Sequence: A241170
Score: 11.7271
Type of gen. func.: lgdogf

$$-\frac{-6 x^{2} + 16 x - 25}{-2 x^{3} + 7 x^{2} - 11 x + 6}$$

Sequence: A241170
Score: 3.85156
Type of gen. func.: ogf

$$\{(-6 n - 24) a(n + 4) + (58 + 11 n) a(n + 3) + (-30 - 7 n) a(n + 2) + (8 + 2 n) a(n + 1), a(0) = 6, a(1) = 25, a(2) = 67, a(3) = 145\}$$

Sequence: A241170
Score: 9.94581
Type of gen. func.: ogf

$$-\frac{2 x^2 - 5 x + 6}{(x - 1)^5}$$

Sequence: A241172
Score: 3.00607
Type of gen. func.: ogf

$$\{(-1296 n^3 - 12312 n^2 - 37584 n - 36288) a(n + 1) + (-50 n^3 - 675 n^2 - 2437 n - 4962) a(n + 2) + (50 + 25 n) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 126\}$$

Sequence: A241199
Score: 8.77116
Type of gen. func.: ogf

$$-\frac{6 x^4 - 3 x^3 - 16 x^2 + 5 x + 14}{(x + 1)^2 (x - 1)^3}$$

Sequence: A241200
Score: 8.87870
Type of gen. func.: ogf

$$(x^2 + x + 1) (x^2 - 2)$$

$$\overline{(x + 1)^{2} (x - 1)^{3}}$$

Sequence: A241204
Score: 10.7784
Type of gen. func.: ogf

$$-4 f(x) x^{2} + 4 f(x) x + 4 x^{2} - f(x) + 4 x + 1$$

Sequence: A241204
Score: 14.4391
Type of gen. func.: ogf

$$\frac{(2 x + 1)^{2}}{(2 x - 1)^{2}}$$

Sequence: A241204
Score: 23.9147
Type of gen. func.: lgdogf

$$\frac{8}{-4 x^{2} + 1}$$

Sequence: A241204
Score: 7.42981
Type of gen. func.: ogf

{-a(n + 3) + 4 a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 8, a(2) = 32}

Sequence: A241205
Score: 12.1356
Type of gen. func.: lgdogf

$$- \frac{6 x^{3} + 38 x^{2} + 50 x + 14}{x^{4} + 4 x^{3} - 4 x - 1}$$

Sequence: A241205
Score: 5.20097
Type of gen. func.: ogf

$$\{(n^2 + 8 n + 15) a(n + 1) + (-2 n^2 - 12 n - 42) a(n + 2) + (n^2 + 4 n + 3) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A241205
Score: 6.84338
Type of gen. func.: ogf

$$- \frac{x^2 (x + 1) (x^2 + 4 x + 1)}{(x - 1)^9}$$

Sequence: A241217
Score: 7.84275
Type of gen. func.: ogf

$$\frac{7 x^3 - 2 x^2 + 3 x + 1}{(x - 1) (10 x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A241219
Score: 11.3851
Type of gen. func.: lgdogf

$$- \frac{21 x^2 + 102 x + 57}{7 x^3 + 15 x^2 - 15 x - 7}$$

Sequence: A241219
Score: 3.85003
Type of gen. func.: ogf

$$\{(21 + 7 n) a(n + 4) + (-27 + 15 n) a(n + 3) + (-117 - 15 n) a(n + 2)$$

+ (-21 - 7 n) a(n + 1), a(0) = 0, a(1) = 21, a(2) = 171, a(3) = 666}

Sequence: A241219
Score: 9.26694
Type of gen. func.: ogf

$$-\frac{3 x (7 x^2 + 22 x + 7)}{(x - 1)^5}$$

Sequence: A241256
Score: 4.46669
Type of gen. func.: ogf

$$\frac{3 x^{11} - 3 x^{10} - x^9 - 11 x^8 - 8 x^7 - 8 x^6 - x^5 + 4 x^4 + 4 x^3 - 5 x - 2}{(x + 1) (x^9 - x^8 + 3 x^7 - 2 x^6 + x^5 - 2 x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A241271
Score: 11.1241
Type of gen. func.: lgdogf

$$-\frac{36 x^2 - 40 x + 9}{12 x^3 - 20 x^2 + 9 x - 1}$$

Sequence: A241271
Score: 16.0944
Type of gen. func.: ogf

$$-\frac{3 x^3}{(x - 1) (6 x - 1) (2 x - 1)}$$

Sequence: A241271
Score: 5.77433
Type of gen. func.: ogf

{-a(n + 4) + 9 a(n + 3) - 20 a(n + 2) + 12 a(n + 1), a(0) = 0, a(1) = 0,

a(2) = 0, a(3) = 3}

Sequence: A241271
Score: 7.48946
Type of gen. func.: ogf

$$-f(x) (12 f(x) x^3 - 20 f(x) x^2 + 3 x^3 + 9 f(x) x - f(x))$$

Sequence: A241275
Score: 10.9127
Type of gen. func.: ogf

$$12 f(x) x^3 - 20 f(x) x^2 + 9 f(x) x + 5 x^2 - f(x)$$

Sequence: A241275
Score: 13.3199
Type of gen. func.: lgdogf

$$-\frac{36 x^2 - 40 x + 9}{12 x^3 - 20 x^2 + 9 x - 1}$$

Sequence: A241275
Score: 19.2713
Type of gen. func.: ogf

$$-\frac{5 x^2}{(x - 1) (6 x - 1) (2 x - 1)}$$

Sequence: A241275
Score: 8.08707
Type of gen. func.: ogf

{a(n + 3) - 9 a(n + 2) + 20 a(n + 1) - 12 a(n), a(0) = 0, a(1) = 0, a(2) = 5}

Sequence: A241290
Score: 7.17704
Type of gen. func.: ogf

$$\frac{x(128x^3 - 99x^2 + 45x - 9)}{(x-1)^5}$$

Sequence: A241290
Score: 7.83700
Type of gen. func.: lgdogf

$$-\frac{256x^3 + 87x^2 - 18x}{128x^4 - 227x^3 + 144x^2 - 54x + 9}$$

Sequence: A241301
Score: 9.43079
Type of gen. func.: ogf

$$-\frac{2(x^4 + x^3 - x^2 - 3x - 1)}{x^5 - x^3 - 2x^2 + 1}$$

Sequence: A241329
Score: 4.29489
Type of gen. func.: ogf

$$\frac{3x^7 + 5x^6 - 17x^5 - 21x^4 + 26x^3 + 15x^2 - 16x + 2}{(x-1)(x^2 + x - 1)(9x^3 + 6x^2 - 10x + 1)}$$

Sequence: A241345
Score: 3.15109
Type of gen. func.: ogf

$$(9x^{10} - 51x^9 + 31x^8 + 104x^7 - 38x^6 - 109x^5 + 4x^4 + 46x^3 - 3x^2 - 6x + 1) / ((3x-1)(x-1)(9x^4 - x^3 - 12x^2 - 3x + 1))$$

$(x^4 - x^3 - 2 x^2 - x + 1))$

Sequence: A241364
Score: 4.30498
Type of gen. func.: ogf

$(32539986 f(x) + 177355)$

$(8 f(x) x^4 - 2 f(x) x^3 + 4 x^4 + 5 x^3 - 7 f(x) x + 2 x^2 + f(x) - 1)$

Sequence: A241364
Score: 7.96126
Type of gen. func.: ogf

$$- \frac{(x + 1) (4 x^3 + x^2 + x - 1)}{(x - 1) (8 x^3 + 6 x^2 + 6 x - 1)}$$

Sequence: A241371
Score: 4.25080
Type of gen. func.: ogf

$\{-a(n + 5) + 5 a(n + 4) - 2 a(n + 3) - 4 a(n + 2), a(0) = 2, a(1) = 7,$

$a(2) = 28, a(3) = 121, a(4) = 523\}$

Sequence: A241371
Score: 4.79826
Type of gen. func.: ogf

$-(16 f(x) + 1)$

$(4 f(x) x^3 - 2 x^4 + 2 f(x) x^2 - 3 x^3 - 5 f(x) x + 3 x^2 + f(x) + 3 x - 2)$

Sequence: A241371
Score: 8.22557
Type of gen. func.: ogf

$$(x^2 + x - 1) (2 x^2 + x - 2)$$

$$\overline{4 x^3 + 2 x^2 - 5 x + 1}$$

Sequence: A241372
Score: 4.08052
Type of gen. func.: ogf

$$\frac{16 x^7 + 32 x^6 + 34 x^5 + 42 x^4 - 25 x^3 - 43 x^2 + 2 x + 5}{32 x^6 + 32 x^5 + 72 x^4 + 50 x^3 - 16 x^2 - 9 x + 1}$$

Sequence: A241406
Score: 10.6114
Type of gen. func.: lgdogf

$$-\frac{-11 x^3 - 89 x^2 - 94 x - 50}{-11 x^4 - 39 x^3 + 39 x + 11}$$

Sequence: A241406
Score: 13.2642
Type of gen. func.: ogf

$$\frac{11 x^2 + 39 x + 11}{(x + 1) (x - 1)^2}$$

Sequence: A241406
Score: 6.95827
Type of gen. func.: ogf

$$-(35 f(x) - 2584) (f(x) x^3 - f(x) x^2 - f(x) x - 11 x^2 + f(x) - 39 x - 11)$$

Sequence: A241406
Score: 7.38181
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 11, a(1) = 50, a(2) = 72\}$$

Sequence: A241407
Score: 10.1798
Type of gen. func.: lgdogf

$$-\frac{27 x^{3} + 65 x^{2} + 154 x + 46}{27 x^{4} + 19 x^{3} - 19 x - 27}$$

Sequence: A241407
Score: 12.8838
Type of gen. func.: ogf

$$\frac{27 x^{2} + 19 x + 27}{(x + 1) (x - 1)^{2}}$$

Sequence: A241407
Score: 6.64972
Type of gen. func.: ogf

$$-(178 f(x) + 26845) (f(x) x^{3} - f(x) x^{2} - f(x) x - 27 x^{2} + f(x) - 19 x - 27)$$

Sequence: A241407
Score: 7.10833
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 27, a(1) = 46, a(2) = 100\}$$

Sequence: A241429
Score: 4.26507
Type of gen. func.: ogf

$$(4 x^{12} - 6 x^{11} + 3 x^{9} - 5 x^{8} + 4 x^{7} + 2 x^{6} - 8 x^{5} + 6 x^{4} + 5 x^{3} - 8 x^{2} - x + 3) \Big/ ((x - 1) (x^{10} - x^{9} + x^{8} - x^{6} + x^{5} - x^{3} + x^{2} + x - 1))$$

Sequence: A241452
Score: 4.37052
Type of gen. func.: ogf

$$\{(47 n^2 + 79 n) a(n + 1) + (-39 n^2 + 247 n + 286) a(n + 2) + (-8 n^2 - 106 n) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6\}$$

Sequence: A241452
Score: 8.46501
Type of gen. func.: ogf

$$\frac{x^3 (x^3 - 5 x^2 + 4 x - 6)}{(x - 1)^5}$$

Sequence: A241452
Score: 9.68887
Type of gen. func.: lgdogf

$$- \frac{-2 x^3 + 12 x^2 - 6 x + 26}{-x^4 + 6 x^3 - 9 x^2 + 10 x - 6}$$

Sequence: A241478
Score: 4.05858
Type of gen. func.: ogf

$$-256 f(x)^2 x^4 + 256 f(x)^2 x^3 - 96 f(x)^2 x^2 + 32 f(x) x^3 + 16 f(x)^2 x - 16 f(x) x^2 - 64 x^3 - f(x)^2 + 2 f(x) x + 47 x^2 - 12 x + 1$$

Sequence: A241489
Score: 6.57167
Type of gen. func.: ogf

$$- \frac{7510 x^9 + 500 x^7 - 7391 x^6 + 110 x^5 - 430 x^4 - 76 x^3 - 101 x^2 - 52 x - 16}{}$$

$$(x - 1) (x^2 + x + 1) (10 x^3 - 1)$$

Sequence: A241496
Score: 11.2566
Type of gen. func.: lgdogf

$$- \frac{-4 x^3 - 20 x^2 - 8 x - 4}{-x^4 - 4 x^3 + 4 x + 1}$$

Sequence: A241496
Score: 12.6420
Type of gen. func.: ogf

$$- \frac{x^2 + 4 x + 1}{(x - 1)^3 (x + 1)^3}$$

Sequence: A241520
Score: 10.1720
Type of gen. func.: lgdogf

$$- \frac{-34 x^3 - 76 x^2 - 191 x - 55}{-34 x^4 - 21 x^3 + 21 x + 34}$$

Sequence: A241520
Score: 12.8739
Type of gen. func.: ogf

$$\frac{34 x^2 + 21 x + 34}{(x + 1) (x - 1)^2}$$

Sequence: A241520
Score: 6.53914
Type of gen. func.: ogf

$$-(1495 f(x) + 230159) (f(x) x^3 - f(x) x^2 - f(x) x - 34 x^2 + f(x) - 21 x - 34)$$

Sequence: A241520
Score: 7.10286
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 34, a(1) = 55, a(2) = 123\}$$

Sequence: A241521
Score: 10.0949
Type of gen. func.: lgdogf

$$-\frac{-22 x^3 - 128 x^2 - 163 x - 75}{-22 x^4 - 53 x^3 + 53 x + 22}$$

Sequence: A241521
Score: 12.9341
Type of gen. func.: ogf

$$\frac{22 x^2 + 53 x + 22}{(x + 1) (x - 1)^2}$$

Sequence: A241521
Score: 6.67566
Type of gen. func.: ogf

$$-(1085 f(x) + 2637) (f(x) x^3 - f(x) x^2 - f(x) x - 22 x^2 + f(x) - 53 x - 22)$$

Sequence: A241521
Score: 7.13605
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 22, a(1) = 75, a(2) = 119\}$$

Sequence: A241524
Score: 4.46549
Type of gen. func.: ogf

$$-256 f(x)^2 x^4 + 256 f(x)^2 x^3 - 96 f(x)^2 x^2 + 32 f(x) x^3 + 16 f(x)^2 x - 16 f(x) x^2 - f(x)^2 + 2 f(x) x - x^2 - 4 x + 1$$

Sequence: A241524
Score: 7.50030
Type of gen. func.: lgdogf

$$\frac{-4 x^2 + (-16 x^3 + 20 x^2 - 8 x + 1)^{1/2} - 25 x + 6}{(x^2 + 4 x - 1) (4 x - 1)}$$

Sequence: A241526
Score: 8.39019
Type of gen. func.: lgdogf

$$-\frac{-4 x^4 - 8 x^3 - 18 x^2 - 11 x - 7}{-x^5 - x^4 - 2 x^3 + x^2 + x + 2}$$

Sequence: A241526
Score: 9.67340
Type of gen. func.: ogf

$$\frac{x^2 + x + 2}{(x^2 + x + 1) (x - 1)^4}$$

Sequence: A241527
Score: 7.11418
Type of gen. func.: lgdogf

$$-\frac{3 x^5 + 117 x^4 - 4 x^3 - 16 x^2 - 7 x + 3}{3 x^6 + 50 x^5 - 101 x^4 + 70 x^3 - 29 x^2 + 8 x - 1}$$

Sequence: A241527
Score: 8.71123
Type of gen. func.: ogf

$$\frac{x^4 + 18 x^3 - 10 x^2 + 4 x - 1}{(3 x - 1) (x - 1)^4}$$

Sequence: A241530
Score: 5.09150
Type of gen. func.: ogf

$$\{(16 n^2 + 16 n) a(n) + (12 + 8 n) a(n + 1) + (-n^2 - 5 n - 6) a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A241543
Score: 7.80492
Type of gen. func.: ogf

$$4 f(x)^2 x^2 + 16 x^4 - 16 f(x) x^2 + 8 x^3 - f(x)^2 + 9 x^2 + 4 f(x) - 2 x - 3$$

Sequence: A241574
Score: 8.49153
Type of gen. func.: ogf

$$\frac{(x + 1) (6 x^6 - 12 x^5 + 18 x^4 - 20 x^3 + 15 x^2 - 6 x + 1)}{(2 x - 1)^4}$$

Sequence: A241575
Score: 5.10999
Type of gen. func.: ogf

$$- \frac{x (x^{34} - x^{33} + x^9 + x^7 + x^5 + x^2 + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x^4 - x^2 + 1)}$$

Sequence: A241577
Score: 12.3788
Type of gen. func.: lgdogf

$$-\frac{-9 x^3 + 7 x^2 + 25 x + 1}{-9 x^4 + 26 x^3 - 20 x^2 + 4 x - 1}$$

Sequence: A241577
Score: 13.1723
Type of gen. func.: ogf

$$-\frac{9 x^3 - 17 x^2 + 3 x - 1}{(x - 1)^4}$$

Sequence: A241577
Score: 5.03647
Type of gen. func.: ogf

$$\{(1229 n^2 + 7279 n + 9642) a(n + 1) + (-2878 n^2 - 15180 n - 17244) a(n + 2)$$

$$+ (1649 n^2 + 6641 n + 5082) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 15\}$$

Sequence: A241577
Score: 6.75948
Type of gen. func.: ogf

$$-(74223 f(x) + 3041219) ($$

$$f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 9 x^3 - 4 f(x) x - 17 x^2 + f(x) + 3 x - 1)$$

Sequence: A241592
Score: 7.35379
Type of gen. func.: ogf

$$x^3 (2 x^6 - 4 x^5 + 2 x^4 - x^2 + x - 1)$$

$$\overline{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^3}$$

Sequence: A241606
Score: 4.35743
Type of gen. func.: ogf

$$-(4440135 f(x) - 119942)$$

$$(f(x) x^4 - 11 f(x) x^3 + 25 f(x) x^2 - 11 f(x) x + x^2 + f(x) - 1)$$

Sequence: A241606
Score: 9.16341
Type of gen. func.: ogf

$$- \frac{(x - 1) (x + 1)}{x^4 - 11 x^3 + 25 x^2 - 11 x + 1}$$

Sequence: A241608
Score: 7.13213
Type of gen. func.: ogf

$$- \frac{6 x^5 + 9 x^4 + 4 x^3 - 10 x^2 - 10 x - 10}{x^6 + x^5 - 2 x^3 - x^2 - x + 1}$$

Sequence: A241609
Score: 3.94505
Type of gen. func.: ogf

$$- \frac{10 x^9 - 6 x^8 - 3 x^7 - 20 x^6 + 22 x^5 + 19 x^4 + 35 x^3 - 25 x^2 - 10 x - 20}{(x - 1) (x^9 - 2 x^6 + x^5 + 2 x^4 + 5 x^3 + x^2 + x - 1)}$$

Sequence: A241620
Score: 4.40901
Type of gen. func.: ogf

$$-\frac{x^7 - 8 x^6 + 28 x^5 - 56 x^4 + 69 x^3 - 67 x^2 + 5 x - 19}{(x - 1)^8}$$

Sequence: A241621
Score: 3.73390
Type of gen. func.: ogf

$$-\frac{x^8 - 9 x^7 + 36 x^6 - 84 x^5 + 127 x^4 - 107 x^3 + 155 x^2 + 35 x + 28}{(x - 1)^9}$$

Sequence: A241622
Score: 3.31965
Type of gen. func.: ogf

$$-(x^9 - 10 x^8 + 45 x^7 - 120 x^6 + 209 x^5 - 283 x^4 + 19 x^3 - 460 x^2 - 146 x - 41) \Big/ (x - 1)^{10}$$

Sequence: A241682
Score: 5.50652
Type of gen. func.: ogf

$$\frac{2 x (12 x^4 - 12 x^3 + x^2 + 4 x - 1)}{(x - 1) (4 x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A241683
Score: 6.35610
Type of gen. func.: ogf

$$\frac{2 x^3 (4 x^2 - 2 x - 1)}{(x - 1) (4 x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A241684
Score: 8.48508

Type of gen. func.: ogf

$$-\frac{4x^2(8x^3-5x^2-2x+1)}{(x-1)(4x-1)(2x+1)(2x-1)(x+1)}$$

Sequence: A241685
Score: 5.99533
Type of gen. func.: ogf

$$-\frac{2x(4x^3-4x^2-2x+1)}{(x-1)(4x-1)(2x+1)(2x-1)(x+1)}$$

Sequence: A241688
Score: 7.20546
Type of gen. func.: ogf

$$-\frac{2x^6(5x^3+3x^2+3x+1)}{(x^2+1)(x^2+x+1)(x+1)^2(x-1)^5}$$

Sequence: A241746
Score: 8.18799
Type of gen. func.: ogf

$$(120 f(x)+7849)(f(x)x^2-2f(x)x+20x^2+f(x)-57x-23)$$

Sequence: A241748
Score: 11.2918
Type of gen. func.: lgdogf

$$-\frac{-13x^2+20x-13}{-13x^3+36x^2-35x+12}$$

Sequence: A241748
Score: 12.5268
Type of gen. func.: ogf

$$-\frac{13 x^2 - 23 x + 12}{(x - 1)^3}$$

Sequence: A241748
Score: 6.51801
Type of gen. func.: ogf

$$-(100 f(x) + 2319) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 13 x^2 - f(x) - 23 x + 12)$$

Sequence: A241748
Score: 6.97143
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 12, a(1) = 13, a(2) = 16}

Sequence: A241749
Score: 11.2918
Type of gen. func.: lgdogf

$$-\frac{-14 x^2 + 22 x - 14}{-14 x^3 + 39 x^2 - 38 x + 13}$$

Sequence: A241749
Score: 12.5268
Type of gen. func.: ogf

$$-\frac{14 x^2 - 25 x + 13}{(x - 1)^3}$$

Sequence: A241749
Score: 6.51801
Type of gen. func.: ogf

3 2 2

$$-(116 f(x) + 2767) (f(x) x - 3 f(x) x + 3 f(x) x + 14 x - f(x) - 25 x + 13)$$

Sequence: A241749
Score: 6.97143
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 13, a(1) = 14, a(2) = 17\}$$

Sequence: A241750
Score: 11.2918
Type of gen. func.: lgdogf

$$-\frac{-16 x^2 + 26 x - 16}{-16 x^3 + 45 x^2 - 44 x + 15}$$

Sequence: A241750
Score: 12.5268
Type of gen. func.: ogf

$$-\frac{16 x^2 - 29 x + 15}{(x - 1)^3}$$

Sequence: A241750
Score: 6.51801
Type of gen. func.: ogf

$$-(148 f(x) + 3783) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 16 x^2 - f(x) - 29 x + 15)$$

Sequence: A241750
Score: 6.97143
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 15, a(1) = 16, a(2) = 19\}$$

Sequence: A241751

Score: 11.2918
Type of gen. func.: lgdogf

$$-\frac{-17 x^{2} + 28 x - 17}{-17 x^{3} + 48 x^{2} - 47 x + 16}$$

Sequence: A241751
Score: 12.5268
Type of gen. func.: ogf

$$-\frac{17 x^{2} - 31 x + 16}{(x - 1)^{3}}$$

Sequence: A241751
Score: 6.51801
Type of gen. func.: ogf

$$-(164 f(x) + 4351) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 17 x^{2} - f(x) - 31 x + 16)$$

Sequence: A241751
Score: 6.97143
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 16, a(1) = 17, a(2) = 20\}$

Sequence: A241765
Score: 10.2337
Type of gen. func.: ogf

$$\frac{x (2 x - 5)}{(x - 1)^{5}}$$

Sequence: A241765
Score: 15.6639
Type of gen. func.: lgdogf

$$-\frac{-8 x + 23}{-2 x^2 + 7 x - 5}$$

Sequence: A241765
Score: 5.04955
Type of gen. func.: ogf

{(-5 n - 10) a(n + 3) + (30 + 7 n) a(n + 2) + (-8 - 2 n) a(n + 1), a(0) = 0,

a(1) = 5, a(2) = 23}

Sequence: A241847
Score: 11.2918
Type of gen. func.: lgdogf

$$-\frac{-18 x^2 + 30 x - 18}{-18 x^3 + 51 x^2 - 50 x + 17}$$

Sequence: A241847
Score: 12.5268
Type of gen. func.: ogf

$$-\frac{18 x^2 - 33 x + 17}{(x - 1)^3}$$

Sequence: A241847
Score: 6.62574
Type of gen. func.: ogf

$$-(20 f(x) + 551) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 18 x^2 - f(x) - 33 x + 17)$$

Sequence: A241847
Score: 6.97143
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 17, a(1) = 18, a(2) = 21}

Sequence: A241848
Score: 11.2918
Type of gen. func.: lgdogf

$$-\frac{-19 x^2 + 32 x - 19}{-19 x^3 + 54 x^2 - 53 x + 18}$$

Sequence: A241848
Score: 12.5268
Type of gen. func.: ogf

$$-\frac{19 x^2 - 35 x + 18}{(x - 1)^3}$$

Sequence: A241848
Score: 6.62574
Type of gen. func.: ogf

$$-(28 f(x) + 801) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 19 x^2 - f(x) - 35 x + 18)$$

Sequence: A241848
Score: 6.97143
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 18, a(1) = 19, a(2) = 22\}$$

Sequence: A241849
Score: 11.3466
Type of gen. func.: lgdogf

$$-\frac{-20 x^2 + 34 x - 20}{-20 x^3 + 57 x^2 - 56 x + 19}$$

Sequence: A241849
Score: 12.5876
Type of gen. func.: ogf

$$-\frac{20 x^2 - 37 x + 19}{(x - 1)^3}$$

Sequence: A241849
Score: 6.54965
Type of gen. func.: ogf

$$-(212 f(x) + 6295) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 20 x^2 - f(x) - 37 x + 19)$$

Sequence: A241849
Score: 7.00528
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 19, a(1) = 20, a(2) = 23\}$$

Sequence: A241850
Score: 11.3466
Type of gen. func.: lgdogf

$$-\frac{-21 x^2 + 36 x - 21}{-21 x^3 + 60 x^2 - 59 x + 20}$$

Sequence: A241850
Score: 12.5876
Type of gen. func.: ogf

$$-\frac{21 x^2 - 39 x + 20}{(x - 1)^3}$$

Sequence: A241850
Score: 6.60333

Type of gen. func.: ogf

$$-(76 f(x) + 2341) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 21 x^2 - f(x) - 39 x + 20)$$

Sequence: A241850
Score: 7.00528
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 20, a(1) = 21, a(2) = 24\}$$

Sequence: A241851
Score: 11.3466
Type of gen. func.: lgdogf

$$-\frac{-22 x^2 + 38 x - 22}{-22 x^3 + 63 x^2 - 62 x + 21}$$

Sequence: A241851
Score: 12.5876
Type of gen. func.: ogf

$$-\frac{22 x^2 - 41 x + 21}{(x - 1)^3}$$

Sequence: A241851
Score: 6.54965
Type of gen. func.: ogf

$$-(244 f(x) + 7791) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 22 x^2 - f(x) - 41 x + 21)$$

Sequence: A241851
Score: 7.00528
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 21, a(1) = 22, a(2) = 25\}$$

Sequence: A241872
Score: 6.69855
Type of gen. func.: ogf

$$-\frac{12 x^2 - 15 x + 4}{(4 x - 1) (x - 1) (3 x - 1)^2 (2 x - 1)^3}$$

Sequence: A241888
Score: 14.8449
Type of gen. func.: ogf

$$\frac{14 x + 1}{(16 x - 1) (x - 1)}$$

Sequence: A241888
Score: 7.74515
Type of gen. func.: ogf

$$(495 f(x) + 466) (16 f(x) x^2 - 17 f(x) x + f(x) - 14 x - 1)$$

Sequence: A241888
Score: 8.38299
Type of gen. func.: ogf

$$\{-a(n + 2) + 17 a(n + 1) - 16 a(n), a(0) = 1, a(1) = 31\}$$

Sequence: A241888
Score: 9.89658
Type of gen. func.: lgdogf

$$-\frac{224 x^2 + 32 x - 31}{224 x^3 - 222 x^2 - 3 x + 1}$$

Sequence: A241889
Score: 11.3466

Type of gen. func.: lgdogf

$$-\frac{-24 x^2 + 42 x - 24}{-24 x^3 + 69 x^2 - 68 x + 23}$$

Sequence: A241889
Score: 12.5876
Type of gen. func.: ogf

$$-\frac{24 x^2 - 45 x + 23}{(x - 1)^3}$$

Sequence: A241889
Score: 6.82718
Type of gen. func.: ogf

$$(92 f(x) + 3149) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 24 x^2 - f(x) - 45 x + 23)$$

Sequence: A241889
Score: 7.00528
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 23, a(1) = 24, a(2) = 27}

Sequence: A241890
Score: 11.3466
Type of gen. func.: lgdogf

$$-\frac{-25 x^2 + 44 x - 25}{-25 x^3 + 72 x^2 - 71 x + 24}$$

Sequence: A241890
Score: 12.5876
Type of gen. func.: ogf

$$-\frac{25 x^2 - 47 x + 24}{(x - 1)^3}$$

Sequence: A241890
Score: 6.71339
Type of gen. func.: ogf

$$(292 f(x) + 10335) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 25 x^2 - f(x) - 47 x + 24)$$

Sequence: A241890
Score: 7.00528
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 24, a(1) = 25, a(2) = 28\}$

Sequence: A241891
Score: 5.88595
Type of gen. func.: ogf

$$-\frac{24 x^5 + 12 x^4 + 2 x^3 - 9 x^2 - 2 x + 1}{(x - 1) (4 x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A241892
Score: 7.02974
Type of gen. func.: ogf

$$-\frac{x^2 (8 x^3 - 2 x + 1)}{(x - 1) (4 x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A241893
Score: 5.98593
Type of gen. func.: ogf

$$\frac{4 x^3 (8 x^2 + x - 2)}{(x - 1) (4 x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A241894
Score: 5.77591
Type of gen. func.: ogf

$$-\frac{8x^4+8x^3-8x^2-2x+1}{(x-1)(4x-1)(2x+1)(2x-1)(x+1)}$$

Sequence: A241899
Score: 7.74708
Type of gen. func.: ogf_with_Euler_transform]

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Sequence: A241929
Score: 5.90180
Type of gen. func.: ogf

$$\frac{(x^4+x^3+6x^2+x+1)(x^2+x+1)}{(x-1)^8}$$

Sequence: A241937
Score: 6.43486
Type of gen. func.: ogf

$$-\frac{x^5-6x^4+15x^3-21x^2-16}{(x-1)^6}$$

Sequence: A241938
Score: 5.24697
Type of gen. func.: ogf

$$-\frac{x^6-7x^5+21x^4-34x^3+63x^2+36x+26}{(x-1)^7}$$

Sequence: A241939
Score: 4.28487
Type of gen. func.: ogf

$$-\frac{x^7 - 8 x^6 + 28 x^5 - 57 x^4 + 17 x^3 - 282 x^2 - 165 x - 43}{(x - 1)^8}$$

Sequence: A241940
Score: 3.59607
Type of gen. func.: ogf

$$-\frac{x^8 - 9 x^7 + 36 x^6 - 83 x^5 + 222 x^4 + 623 x^3 + 1373 x^2 + 548 x + 71}{(x - 1)^9}$$

Sequence: A241941
Score: 5.20431
Type of gen. func.: ogf

$$-(x^9 - 10 x^8 + 45 x^7 - 121 x^6 + 45 x^5 - 2422 x^4 - 6410 x^3 - 6103 x^2 - 1567 x - 116) / (x - 1)^{10}$$

Sequence: A241946
Score: 5.43008
Type of gen. func.: ogf

$$-11 (90 x^{10} - 10 x^9 - 10 x^8 - 10 x^7 - 10 x^6 - 10 x^5 - 10 x^4 - 10 x^3 - 10 x^2 - 10 x - 91) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A241955
Score: 15.9125
Type of gen. func.: ogf

$$\frac{8 x + 7}{(16 x - 1) (x - 1)}$$

Sequence: A241955
Score: 8.0418
Type of gen. func.: ogf

$$(1935 f(x) + 2584) (16 f(x) x^2 - 17 f(x) x + f(x) - 8 x - 7)$$

Sequence: A241955
Score: 8.69637
Type of gen. func.: ogf

$$\{-a(n + 2) + 17 a(n + 1) - 16 a(n), a(0) = 7, a(1) = 127\}$$

Sequence: A241955
Score: 9.97184
Type of gen. func.: lgdogf

$$- \frac{128 x^2 + 224 x - 127}{128 x^3 - 24 x^2 - 111 x + 7}$$

Sequence: A241958
Score: 5.46345
Type of gen. func.: ogf

$$\{(-54 n^3 - 351 n^2 - 741 n - 504) a(n + 1) + (2 n^3 + 21 n^2 + 73 n + 84) a(n + 2)$$
$$, a(0) = 1, a(1) = 2\}$$

Sequence: A241965
Score: 6.04006
Type of gen. func.: ogf

$$- \frac{x^5 - 6 x^4 + 15 x^3 - 27 x^2 - 10 x - 19}{6}$$

$$(x - 1)$$

Sequence: A241966

Score: 5.05362

Type of gen. func.: ogf

$$-\frac{x^6 - 7 x^5 + 21 x^4 - 25 x^3 + 113 x^2 + 80 x + 33}{(x - 1)^7}$$

Sequence: A241967

Score: 4.12121

Type of gen. func.: ogf

$$-\frac{x^7 - 8 x^6 + 28 x^5 - 70 x^4 - 140 x^3 - 607 x^2 - 319 x - 57}{(x - 1)^8}$$

Sequence: A241968

Score: 3.71354

Type of gen. func.: ogf

$$-\frac{x^8 - 9 x^7 + 36 x^6 - 65 x^5 + 632 x^4 + 2268 x^3 + 3086 x^2 + 1022 x + 97}{(x - 1)^9}$$

Sequence: A241976

Score: 12.9820

Type of gen. func.: ogf

$$\frac{3 x (x - 3)}{(x - 1) (x^2 - 6 x + 1)}$$

Sequence: A241976

Score: 6.60693

Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) - 7 a(n + 1) + a(n), a(0) = 0, a(1) = 9, a(2) = 60\}$$

Sequence: A241976
Score: 7.18424
Type of gen. func.: ogf

$$-f(x) (f(x) x^3 - 7 f(x) x^2 + 7 f(x) x - 3 x^2 - f(x) + 9 x)$$

Sequence: A241976
Score: 8.60437
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 16 x^2 + 42 x - 20}{x^4 - 10 x^3 + 28 x^2 - 22 x + 3}$$

Sequence: A241977
Score: 14.2701
Type of gen. func.: ogf

$$(3 f(x) x - f(x) + 478 x + 3)^3$$

Sequence: A241979
Score: 11.8854
Type of gen. func.: ogf

$$- \frac{x (x^5 - x^2 + 1)}{(x - 1) (x^2 + 1) (x^4 - x^2 + 1)}$$

Sequence: A242026
Score: 11.5099
Type of gen. func.: lgdogf

$$- \frac{48 x^2 - 8 x - 4}{16 x^3 - 4 x^2 - 4 x + 1}$$

Sequence: A242026
Score: 16.1629
Type of gen. func.: ogf

$$\frac{12 x}{(2 x + 1) (2 x - 1) (4 x - 1)}$$

Sequence: A242026
Score: 6.66365
Type of gen. func.: ogf

{-a(n + 3) + 4 a(n + 2) + 4 a(n + 1) - 16 a(n), a(0) = 0, a(1) = 12, a(2) = 48}

Sequence: A242026
Score: 9.61588
Type of gen. func.: ogf

$$16 f(x) x^3 - 4 f(x) x^2 - 4 f(x) x + f(x) - 12 x$$

Sequence: A242062
Score: 17.0046
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{11} + x^2 (x^4 + x + 1)$$

Sequence: A242062
Score: 9.68390
Type of gen. func.: ogf

$$\frac{x (x^2 - x + 1) (x^4 - x^2 + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A242073
Score: 8.90295
Type of gen. func.: ogf

$$-\frac{x^5 - x^4 + 2x^3 + x^2 + x - 1}{(x^2 + 1)(x^4 - x^2 + 1)}$$

Sequence: A242077
Score: 7.12964
Type of gen. func.: ogf

$$\frac{20x^9 + x^8 + 7x^7 - 2x^6 + 8x^5 + 2x^4 + 8x^3 + x^2 + x + 4}{(x + 1)(x^2 + x + 1)(x^2 - x + 1)(x - 1)^2}$$

Sequence: A242112
Score: 10.2094
Type of gen. func.: ogf

$$\frac{x^4 + x^3 + x^2 + x + 1}{(x^2 + x + 1)(x^2 - x + 1)(x - 1)^2 (x + 1)^2}$$

Sequence: A242112
Score: 24.9760
Type of gen. func.: ogf_with_Euler_transform]

$$x^5 - x^4 + x + 1$$

Sequence: A242135
Score: 12.4300
Type of gen. func.: ogf

$$-\frac{x(x^2 - 8x + 1)}{(x - 1)^4}$$

Sequence: A242135
Score: 13.9598
Type of gen. func.: lgdogf

$$-\frac{2 x^2 - 22 x - 4}{x^3 - 9 x^2 + 9 x - 1}$$

Sequence: A242135
Score: 4.58277
Type of gen. func.: ogf

$$\{(-3 - n) a(n + 4) + (14 + 9 n) a(n + 3) + (-31 - 9 n) a(n + 2) + (n + 2) a(n + 1), a(0) = 0, a(1) = -1, a(2) = 4, a(3) = 21\}$$

Sequence: A242135
Score: 6.57528
Type of gen. func.: ogf

$$(780 f(x) + 2609) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + x^3 - 4 f(x) x - 8 x^2 + f(x) + x)$$

Sequence: A242145
Score: 4.83924
Type of gen. func.: ogf

$$-\frac{x^6 - 7 x^5 + 21 x^4 - 13 x^3 + 175 x^2 + 141 x + 42}{(x - 1)^7}$$

Sequence: A242146
Score: 3.93946
Type of gen. func.: ogf

$$-\frac{x^7 - 8 x^6 + 28 x^5 - 90 x^4 - 348 x^3 - 1030 x^2 - 521 x - 74}{(x - 1)^8}$$

Sequence: A242147
Score: 3.51798
Type of gen. func.: ogf

$$-\frac{x^8 - 9x^7 + 36x^6 - 30x^5 + 1309x^4 + 4815x^3 + 5658x^2 + 1714x + 132}{(x-1)^9}$$

Sequence: A242181
Score: 15.6912
Type of gen. func.: lgdogf

$$-\frac{11x + 89}{11x^2 + 28x - 39}$$

Sequence: A242181
Score: 17.6943
Type of gen. func.: ogf

$$\frac{11x + 39}{(x-1)^2}$$

Sequence: A242181
Score: 9.03948
Type of gen. func.: ogf

$$(100 f(x) + 4021) (f(x) x^2 - 2 f(x) x + f(x) - 11 x - 39)$$

Sequence: A242181
Score: 9.90038
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 39, a(1) = 89\}$$

Sequence: A242182
Score: 5.11413
Type of gen. func.: ogf

$$\frac{101x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 390}{}$$

$$(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2$$

Sequence: A242191
Score: 5.68206
Type of gen. func.: ogf

$$-\frac{720 x^5 - 2688 x^4 + 2954 x^3 - 1365 x^2 + 280 x - 21}{(x - 1) (6 x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A242206
Score: 10.4358
Type of gen. func.: ogf

$$-\frac{2 (2 x^2 + x - 2)}{(2 x - 1) (x^2 + x - 1) (x - 1)^2}$$

Sequence: A242206
Score: 7.37206
Type of gen. func.: lgdogf

$$-\frac{12 x^5 + 8 x^4 - 27 x^3 - 9 x^2 + 27 x - 9}{4 x^6 - 13 x^4 + 6 x^3 + 10 x^2 - 9 x + 2}$$

Sequence: A242211
Score: 2.0627
Type of gen. func.: egf]

$$(f(x) x - f(x) + 2 x + 4)^2$$

Sequence: A242215
Score: 10.1887
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 5, a(1) = 23\}$$

Sequence: A242215
Score: 16.5816
Type of gen. func.: lgdogf

$$-\frac{-13 x - 23}{-13 x^2 + 8 x + 5}$$

Sequence: A242215
Score: 18.3840
Type of gen. func.: ogf

$$\frac{13 x + 5}{(x - 1)^2}$$

Sequence: A242215
Score: 9.50185
Type of gen. func.: ogf

$$(36 f(x) + 349) (f(x) x^2 - 2 f(x) x + f(x) - 13 x - 5)$$

Sequence: A242227
Score: 3.05147
Type of gen. func.: ogf

$$\{(n + 2) a(n + 1) + (-2 n^2 - 8 n - 6) a(n + 2) + (-2 n^2 - 14 n - 26) a(n + 3)$$
$$+ (n + 4) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 23\}$$

Sequence: A242234
Score: 5.22353
Type of gen. func.: ogf

$$(31 f(x) - 40)$$
$$(f(x) x^4 + f(x) x^3 + f(x) x^2 + 7 x^3 + f(x) x + 11 x^2 - f(x) + 12 x + 10)$$

Sequence: A242234
Score: 9.27178
Type of gen. func.: ogf

$$-\frac{7x^3+11x^2+12x+10}{x^4+x^3+x^2+x-1}$$

Sequence: A242235
Score: 6.97512
Type of gen. func.: ogf

$$-\frac{11x^4+18x^3+21x^2+20x+15}{x^5+x^4+x^3+x^2+x-1}$$

Sequence: A242236
Score: 6.09042
Type of gen. func.: ogf

$$-\frac{16x^5+27x^4+33x^3+34x^2+30x+21}{x^6+x^5+x^4+x^3+x^2+x-1}$$

Sequence: A242237
Score: 5.09927
Type of gen. func.: ogf

$$-\frac{2(11x^6+19x^5+24x^4+26x^3+25x^2+21x+14)}{x^7+x^6+x^5+x^4+x^3+x^2+x-1}$$

Sequence: A242238
Score: 4.60693
Type of gen. func.: ogf

$$-\frac{29x^7+51x^6+66x^5+74x^4+75x^3+69x^2+56x+36}{x^8+x^7+x^6+x^5+x^4+x^3+x^2+x-1}$$

Sequence: A242278
Score: 10.2563
Type of gen. func.: ogf

$$9 f(x) x^3 - 3 f(x) x^2 - 3 f(x) x + f(x) - 6 x$$

Sequence: A242278
Score: 12.1497
Type of gen. func.: lgdogf

$$- \frac{-27 x^2 + 6 x + 3}{-9 x^3 + 3 x^2 + 3 x - 1}$$

Sequence: A242278
Score: 17.5496
Type of gen. func.: ogf

$$\frac{6 x}{(3 x - 1) (3 x^2 - 1)}$$

Sequence: A242278
Score: 7.05117
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + 3 a(n + 1) - 9 a(n), a(0) = 0, a(1) = 6, a(2) = 18\}$$

Sequence: A242300
Score: 7.91489
Type of gen. func.: ogf

$$- \frac{x (x^3 + 5 x^2 - 3 x - 2)}{(x - 1) (x + 1) (x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A242317
Score: 6.01849
Type of gen. func.: ogf

$$-\frac{13x^5+18x^4-20x^3-34x^2-36x-25}{(x+1)(x^5-2x^3-2x+1)}$$

Sequence: A242318
Score: 3.51351
Type of gen. func.: ogf

$$-(35x^9+49x^8+16x^7+36x^6+53x^5-196x^4-248x^3-188x^2-120x-65) \Big/ (x^{10}+x^9+x^7+x^6-6x^5-5x^4-3x^3-2x^2-x+1)$$

Sequence: A242328
Score: 10.6856
Type of gen. func.: lgdogf

$$-\frac{-55x^2+30x-7}{-55x^3+81x^2-29x+3}$$

Sequence: A242328
Score: 16.0284
Type of gen. func.: ogf

$$-\frac{11x-3}{(5x-1)(x-1)}$$

Sequence: A242328
Score: 8.01422
Type of gen. func.: ogf

$$-(12f(x)+13)(5f(x)x^2-6f(x)x+f(x)+11x-3)$$

Sequence: A242328
Score: 8.99156
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 5 a(n), a(0) = 3, a(1) = 7\}$$

Sequence: A242329
Score: 13.2377
Type of gen. func.: ogf

$$- \frac{21 x - 5}{(5 x - 1) (x - 1)}$$

Sequence: A242329
Score: 6.6916
Type of gen. func.: ogf

$$-(4 f(x) + 61) (5 f(x) x^2 - 6 f(x) x + f(x) + 21 x - 5)$$

Sequence: A242329
Score: 7.42604
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 5 a(n), a(0) = 5, a(1) = 9\}$$

Sequence: A242329
Score: 8.45743
Type of gen. func.: lgdogf

$$- \frac{-105 x^2 + 50 x - 9}{-105 x^3 + 151 x^2 - 51 x + 5}$$

Sequence: A242371
Score: 8.54252
Type of gen. func.: ogf

$$- \frac{4 (2 x^4 - 2 x^3 - 4 x^2 + 5 x + 3)}{{}^{2} \qquad {}^{3}}$$

$$(x + 1)\ (x - 1)$$

Sequence: A242396
Score: 5.35739
Type of gen. func.: ogf

$$-2\left(x^{13} - 2x^{12} - x^{11} - x^{10} - x^{9} - x^{8} - x^{7} - 2x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 2\right) \Big/ \left(\left(x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1\right)(x - 1)^{2}\right)$$

Sequence: A242405
Score: 13.5227
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{6x^{4} + 4x^{2} + 6}{-x^{6} + 1}$$

Sequence: A242412
Score: 12.7829
Type of gen. func.: lgdogf

$$-\frac{-15x^{2} + 14x - 23}{-15x^{3} + 37x^{2} - 37x + 15}$$

Sequence: A242412
Score: 14.1811
Type of gen. func.: ogf

$$-\frac{15x^{2} - 22x + 15}{(x - 1)^{3}}$$

Sequence: A242412

Score: 7.82405
Type of gen. func.: ogf

$$(25 f(x) - 42) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 15 x^2 - f(x) - 22 x + 15)$$

Sequence: A242412
Score: 7.89208
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 15, a(1) = 23, a(2) = 39\}$$

Sequence: A242436
Score: 7.94349
Type of gen. func.: ogf

$$- \frac{x (x^4 - 34 x^3 - 54 x^2 - 34 x + 1)}{(x - 1)^6}$$

Sequence: A242436
Score: 8.31818
Type of gen. func.: lgdogf

$$- \frac{2 x^4 - 98 x^3 - 318 x^2 - 278 x - 28}{x^5 - 35 x^4 - 20 x^3 + 20 x^2 + 35 x - 1}$$

Sequence: A242448
Score: 3.96082
Type of gen. func.: ogf

$$(23 f(x) + 4) (f(x) x^3 - x^4 - x^3 - 2 f(x) x + f(x) - x - 1)$$

Sequence: A242448
Score: 6.62302
Type of gen. func.: ogf

$$(x^2 - x + 1) (x + 1)^2$$

$$\overline{(x^2 + x - 1) (x - 1)}$$

Sequence: A242452
Score: 7.74531
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 + 1) (x^2 + x + 1)}{2 x^5 + 3 x^4 + 4 x^3 + 2 x^2 + x - 1}$$

Sequence: A242468
Score: 3.91150
Type of gen. func.: ogf

$$-\frac{49 x^7 + 215 x^6 + 285 x^5 + 31 x^4 - 152 x^3 - 29 x^2 + 32 x - 4}{(2 x^2 + 2 x - 1) (5 x^2 + 5 x - 1) (x^2 + x - 1) (3 x^2 + 3 x - 1)}$$

Sequence: A242475
Score: 14.4825
Type of gen. func.: ogf

$$-\frac{17 x - 9}{(2 x - 1) (x - 1)}$$

Sequence: A242475
Score: 7.6574
Type of gen. func.: ogf

$$(3 f(x) - 77) (2 f(x) x^2 - 3 f(x) x + f(x) + 17 x - 9)$$

Sequence: A242475
Score: 8.02643
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 9, a(1) = 10\}$$

Sequence: A242475
Score: 9.51706
Type of gen. func.: lgdogf

$$-\frac{-34 x^{2} + 36 x - 10}{-34 x^{3} + 69 x^{2} - 44 x + 9}$$

Sequence: A242477
Score: 17.7369
Type of gen. func.: ogf

$$-\frac{3 x^{2}}{(x + 1) (x - 1)^{3}}$$

Sequence: A242477
Score: 18.1400
Type of gen. func.: lgdogf

$$-\frac{-4 x - 2}{-x^{2} + 1}$$

Sequence: A242477
Score: 37.8162
Type of gen. func.: ogf_with_Euler_transform]

[x + 2]

Sequence: A242477
Score: 6.54230
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) + 2 a(n + 1) - a(n), a(0) = 0, a(1) = 0, a(2) = 3, a(3) = 6\}$$

Sequence: A242477
Score: 9.85383
Type of gen. func.: ogf

$$f(x) x^4 - 2 f(x) x^3 + 2 f(x) x + 3 x^2 - f(x)$$

Sequence: A242495
Score: 3.67693
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + 1)}{3 x^9 + 8 x^8 + 15 x^7 + 20 x^6 + 22 x^5 + 18 x^4 + 12 x^3 + 5 x^2 + x - 1}$$

Sequence: A242496
Score: 8.39934
Type of gen. func.: ogf

$$- \frac{x (3 x^2 - 3 x - 1)}{(x - 1) (x + 1) (x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A242497
Score: 5.61063
Type of gen. func.: ogf

$$- \frac{3 x^7 + 5 x^6 + 6 x^5 - 4 x^4 - 10 x^3 - 12 x^2 - 7 x - 3}{(x^2 + x + 1) (x^6 - 4 x^3 + 1)}$$

Sequence: A242510
Score: 4.98564
Type of gen. func.: ogf

$$-(284 f(x) + 9) (f(x) x^4 - f(x) x^3 - 2 f(x) x^2 - f(x) x + x^2 + f(x) - x - 1)$$

Sequence: A242510
Score: 9.75452

Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{x^4 - x^3 - 2x^2 - x + 1}$$

Sequence: A242525
Score: 7.79508
Type of gen. func.: ogf

$$\frac{(x - 1)(x + 1)(x^4 + x^3 + 1)}{x^5 + x^4 + x^2 + x - 1}$$

Sequence: A242534
Score: 23.4961
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A242536
Score: 11.2476
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{2x^4 - 2x^3 - 3x^2 - x + 1}$$

Sequence: A242536
Score: 5.74875
Type of gen. func.: ogf

$-(140 f(x) + 9)$

$$(2 f(x) x^4 - 2 f(x) x^3 - 3 f(x) x^2 - f(x) x + x^2 + f(x) - x - 1)$$

Sequence: A242536
Score: 7.12002

Type of gen. func.: lgdogf

$$-\frac{4 x^5 - 8 x^4 - 4 x^3 + 10 x^2 + 4 x + 2}{2 x^6 - 4 x^5 - 3 x^4 + 4 x^3 + 5 x^2 - 1}$$

Sequence: A242537
Score: 13.6862
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{2 x^4 - 2 x^3 - 3 x^2 - 2 x + 1}$$

Sequence: A242537
Score: 6.89304
Type of gen. func.: ogf

$-(1658 f(x) + 57)$

$$(2 f(x) x^4 - 2 f(x) x^3 - 3 f(x) x^2 - 2 f(x) x + x^2 + f(x) - x - 1)$$

Sequence: A242537
Score: 8.35705
Type of gen. func.: lgdogf

$$-\frac{4 x^5 - 8 x^4 - 4 x^3 + 11 x^2 + 4 x + 3}{2 x^6 - 4 x^5 - 3 x^4 + 3 x^3 + 6 x^2 + x - 1}$$

Sequence: A242543
Score: 5.00435
Type of gen. func.: ogf

$(1938 f(x) - 5095)$

$$(4 f(x) x^4 + 4 f(x) x^3 + 18 x^3 + 2 f(x) x + 24 x^2 - f(x) + 8 x + 12)$$

Sequence: A242543
Score: 8.89662
Type of gen. func.: ogf

$$-\frac{2\,(9\,x^{3} + 12\,x^{2} + 4\,x + 6)}{(2\,x^{2} + 2\,x - 1)\,(2\,x^{2} + 1)}$$

Sequence: A242544
Score: 4.27004
Type of gen. func.: ogf

$$-\frac{42\,x^{7} + 99\,x^{6} + 78\,x^{5} + 88\,x^{4} + 50\,x^{3} - 21\,x^{2} + 10\,x - 13}{(x^{2} + 1)\,(3\,x^{2} + 1)\,(3\,x^{2} + 3\,x - 1)\,(x^{2} + x - 1)}$$

Sequence: A242558
Score: 7.82506
Type of gen. func.: ogf

$$-\frac{x\,(x^{2} + 3\,x - 3)}{(x - 1)\,(x + 1)\,(x^{2} - 3\,x + 1)\,(x^{2} + x - 1)}$$

Sequence: A242563
Score: 13.5116
Type of gen. func.: ogf

$$\frac{x^{2}\,(x - 2)}{(2\,x - 1)\,(x + 1)\,(x^{2} - x + 1)}$$

Sequence: A242563
Score: 7.16704
Type of gen. func.: ogf

$$-(3\,f(x) + 8)\,(2\,f(x)\,x^{4} - f(x)\,x^{3} - x^{3} + 2\,f(x)\,x + 2\,x^{2} - f(x))$$

Sequence: A242563
Score: 8.86247
Type of gen. func.: lgdogf

$$-\frac{6x^4 - 18x^3 + 6x^2 - 3}{2x^5 - 5x^4 + 2x^3 + 2x^2 - 5x + 2}$$

Sequence: A242566
Score: 9.57067
Type of gen. func.: revogf

$$-\frac{-x^2 + x}{-x^4 + 2x^3 - x^2 - 1}$$

Sequence: A242569
Score: 4.62711
Type of gen. func.: ogf

$$\{(n^3 + 9n^2 + 26n + 24)\,a(n+1) + (-n^3 - 9n^2 - 25n - 20)\,a(n+2)$$
$$+ (n^2 + 4n + 3)\,a(n+3),\ a(0) = -1,\ a(1) = -2,\ a(2) = 0\}$$

Sequence: A242570
Score: 10.7017
Type of gen. func.: ogf

$$\{a(n+2) - 2\,a(n+1) + a(n),\ a(0) = 0,\ a(1) = 252\}$$

Sequence: A242570
Score: 14.5614
Type of gen. func.: ogf

$$-f(x)\,x^2 + 2\,f(x)\,x - f(x) + 252\,x$$

Sequence: A242570
Score: 22.7755

Type of gen. func.: ogf

$$\frac{252\,x}{(x-1)^2}$$

Sequence: A242570
Score: 31.7230
Type of gen. func.: lgdogf

$$\frac{2}{-x+1}$$

Sequence: A242570
Score: 67.9342
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A242578
Score: 4.39333
Type of gen. func.: ogf

$$-(27\,f(x)+722)\,(4\,f(x)\,x^4-6\,f(x)\,x^3+5\,f(x)\,x^2+20\,x^3-4\,f(x)\,x-22\,x^2+f(x)+17\,x-13)$$

Sequence: A242578
Score: 8.02733
Type of gen. func.: ogf

$$-\frac{20\,x^3-22\,x^2+17\,x-13}{(x-1)\,(4\,x^3-2\,x^2+3\,x-1)}$$

Sequence: A242579
Score: 4.71451
Type of gen. func.: ogf

6 5 4 3 2

$$-\frac{45 x - 87 x + 152 x - 164 x + 96 x - 53 x + 14}{(x - 1) (x^3 - x^2 + 2 x - 1) (9 x^3 - 3 x^2 + 4 x - 1)}$$

Sequence: A242586
Score: 4.72774
Type of gen. func.: ogf

$$-5 f(x)^2 x^3 + 11 f(x)^2 x^2 - 7 f(x)^2 x - 5 f(x) x^2 + f(x)^2 + 6 f(x) x - f(x) - x$$

Sequence: A242601
Score: 14.3907
Type of gen. func.: lgdogf

$$-\frac{-5 x^2 + 4 x - 1}{-x^3 + x^2 - x + 1}$$

Sequence: A242601
Score: 16.1580
Type of gen. func.: ogf

$$-\frac{x^2}{(x - 1) (x^2 + 1)^2}$$

Sequence: A242601
Score: 31.6703
Type of gen. func.: ogf_with_Euler_transform]

$$[2 x^3 - 2 x + 1]$$

Sequence: A242601
Score: 4.74744
Type of gen. func.: ogf

$$\{(n + 4) a(n + 1) + (-n - 4) a(n + 2) + (n + 2) a(n + 3) + (-2 - n) a(n + 4),$$

$$a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 1\}$$

Sequence: A242601
Score: 6.62593
Type of gen. func.: ogf

$$(2 f(x) - 1) (f(x) x^5 - f(x) x^4 + 2 f(x) x^3 - 2 f(x) x^2 + f(x) x + x^2 - f(x))$$

Sequence: A242602
Score: 13.3977
Type of gen. func.: lgdogf

$$-\frac{7 x^3 - 6 x^2 + 1}{x^4 - x^3 + x - 1}$$

Sequence: A242602
Score: 14.9352
Type of gen. func.: ogf

$$-\frac{x^3}{(x - 1) (x^2 - x + 1)^2 (x + 1)^2}$$

Sequence: A242602
Score: 31.3340
Type of gen. func.: ogf_with_Euler_transform]

$$2 x^5 - 2 x^2 + 1$$

Sequence: A242604
Score: 3.84523
Type of gen. func.: ogf

$$\{(-50 n^2 - 301 n - 402) a(n + 1) + (7 n^2 - 308 n - 987) a(n + 2)$$

$$+ (43 n^2 + 237 n + 302) a(n + 3), a(0) = 0, a(1) = 9, a(2) = 56\}$$

Sequence: A242604
Score: 7.85765
Type of gen. func.: ogf

$$\frac{x\,(x^3 - 5\,x^2 - 11\,x - 9)}{(x - 1)^5}$$

Sequence: A242604
Score: 8.70969
Type of gen. func.: lgdogf

$$-\frac{-2\,x^3 + 12\,x^2 + 54\,x + 56}{-x^4 + 6\,x^3 + 6\,x^2 - 2\,x - 9}$$

Sequence: A242609
Score: 3.00090
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2\,x^{25} - 2\,x^{24} + x^{23} - 2\,x^{16} - x^{15} - 3\,x^9 - 2\,x^8 + 2\,x^7 - x - 2}{x^{26} - x^{24} + x^{18} - x^{16} + x^{10} - x^8 + x^2 - 1}$$

Sequence: A242636
Score: 5.02908
Type of gen. func.: ogf

$$- (x^6 - x^5 - 2\,x^4 + x^3 + 3\,x^2 - 1) \Big/ ((x + 1)$$

$$(2\,x^{11} - 2\,x^{10} + 6\,x^9 - 4\,x^8 + 3\,x^7 + 13\,x^5 + 5\,x^4 - 8\,x^3 - 5\,x^2 - x + 1))$$

Sequence: A242637
Score: 4.85946
Type of gen. func.: ogf

$$f(x)^3\,x^3 - 21\,f(x)^2\,x^3 - 42\,f(x)^2\,x^2 + 147\,f(x)\,x^3 - 546\,f(x)\,x^2 - 343\,x^3$$

$$+ 189 f(x) x + 48 x^2 - 16 f(x)$$

Sequence: A242638
Score: 3.85264
Type of gen. func.: ogf

$$-x^4 f(x)^3 + 9 f(x)^2 x^4 - 2 f(x)^2 x^3 - 27 f(x) x^4 - 2 f(x)^2 x^2 + 84 f(x) x^3 + 27 x^4 - 60 f(x) x^2 - 18 x^3 + 14 f(x) x + 2 x^2 - f(x)$$

Sequence: A242651
Score: 5.70246
Type of gen. func.: ogf

$$\{(n^2 + 4 n + 5) a(n + 1) + (2 n + 5) a(n + 2) + a(n + 3), a(0) = 0, a(1) = -1, a(2) = 3\}$$

Sequence: A242652
Score: 5.81896
Type of gen. func.: ogf

$$\{(n^2 + 4 n + 5) a(n + 1) + (2 n + 5) a(n + 2) + a(n + 3), a(0) = 1, a(1) = -1, a(2) = 1\}$$

Sequence: A242656
Score: 5.77747
Type of gen. func.: ogf

$$\frac{x^8 - 3 x^7 - 2 x^6 + 16 x^5 - 14 x^4 - 14 x^3 + 29 x^2 - 13 x - 1}{(x - 1)^7}$$

Sequence: A242657
Score: 5.97601
Type of gen. func.: ogf

$$\frac{x^9 - 3 x^8 - 3 x^7 + 18 x^6 - 5 x^5 - 51 x^4 + 77 x^3 - 29 x^2 - 19 x + 15}{(x - 1)^8}$$

Sequence: A242658
Score: 14.0686
Type of gen. func.: lgdogf

$$- \frac{-4 x^2 - 4 x - 1}{-4 x^3 + 6 x^2 - 3 x + 1}$$

Sequence: A242658
Score: 14.7605
Type of gen. func.: ogf

$$- \frac{2 (4 x^2 - 2 x + 1)}{(x - 1)^3}$$

Sequence: A242658
Score: 7.76197
Type of gen. func.: ogf

$$-(6 f(x) - 11) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 8 x^2 - f(x) - 4 x + 2)$$

Sequence: A242658
Score: 8.03919
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2, a(1) = 2, a(2) = 8\}$$

Sequence: A242659
Score: 10.4285
Type of gen. func.: ogf

$$\frac{2 x (4 x^2 - 2 x + 1)}{}$$

$$(x - 1)^4$$

Sequence: A242659
Score: 11.8950
Type of gen. func.: lgdogf

$$- \frac{-8 x^2 - 2 x - 2}{-4 x^3 + 6 x^2 - 3 x + 1}$$

Sequence: A242659
Score: 3.88409
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-8 - 3 n) a(n + 3) + (4 + 6 n) a(n + 2)$$

$$+ (-8 - 4 n) a(n + 1), a(0) = 0, a(1) = 2, a(2) = 4, a(3) = 12\}$$

Sequence: A242659
Score: 5.72393
Type of gen. func.: ogf

$$(3 f(x) + 5)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 8 x^3 - 4 f(x) x + 4 x^2 + f(x) - 2 x)$$

Sequence: A242660
Score: 16.9025
Type of gen. func.: ogf

$$\frac{x (2 x + 1) (x^2 + x + 1)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A242660
Score: 9.27729
Type of gen. func.: lgdogf

$$-4 x^6 - 11 x^5 - 17 x^4 - 13 x^3 - 13 x^2 - 10 x - 4$$

$$-\frac{}{-2x^7 - 3x^6 - 3x^5 - x^4 + 2x^3 + 3x^2 + 3x + 1}$$

Sequence: A242668
Score: 15.8212
Type of gen. func.: ogf

$$-\frac{1}{(4x - 1)(x^4 - 4x + 1)}$$

Sequence: A242668
Score: 8.76835
Type of gen. func.: lgdogf

$$-\frac{-20x^4 + 4x^3 + 32x - 8}{-4x^5 + x^4 + 16x^2 - 8x + 1}$$

Sequence: A242669
Score: 8.65667
Type of gen. func.: ogf

$$-\frac{x^3 (x^3 + x^2 + x + 3)}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A242679
Score: 7.45284
Type of gen. func.: ogf

$$(4x^{16} + 3x^{15} - 3x^{11} + 3x^{10} + 7x^9 + 7x^8 + 7x^7 + 7x^6 + 4x^5 + 7x^4 + 7x^3 + 7x^2 + 7x + 4) \Big/ ((x + 1)(x^4 + x^3 + x^2 + x + 1)(x^4 - x^3 + x^2 - x + 1)(x - 1)^2)$$

Sequence: A242709
Score: 6.73754
Type of gen. func.: ogf

$$-\frac{x\,(x^5+x^4+7x^3+5x^2+8x+2)}{(x+1)^3\,(x-1)^5}$$

Sequence: A242725
Score: 10.8428
Type of gen. func.: ogf

$$-\frac{2x^3-x^2-3x+1}{(x-1)(x+1)(x^2-4x+1)}$$

Sequence: A242725
Score: 6.13242
Type of gen. func.: ogf

$$(254 f(x)+81)\,(f(x)\,x^4-4 f(x)\,x^3+2x^3+4 f(x)\,x-x^2-f(x)-3x+1)$$

Sequence: A242727
Score: 5.53217
Type of gen. func.: ogf

$$-\frac{2x^6+9x^5+12x^4+17x^3+11x^2+4x+1}{(x^2+x+1)^2\,(x-1)^5}$$

Sequence: A242728
Score: 10.3409
Type of gen. func.: ogf

$$-\frac{x^3-x^2-2x+1}{(x-1)(x+1)(x^2-4x+1)}$$

Sequence: A242728
Score: 5.5744
Type of gen. func.: ogf

$$-(1926 f(x) + 181) (f(x) x^4 - 4 f(x) x^3 + x^3 + 4 f(x) x - x^2 - f(x) - 2 x + 1)$$

Sequence: A242762
Score: 9.46549
Type of gen. func.: ogf

$$-\frac{2 x^4 + x^3 - x^2 + x + 2}{(x^3 - x - 1) (x - 1)^2}$$

Sequence: A242763
Score: 11.6507
Type of gen. func.: ogf

$$-\frac{x^4 + x^3 + x^2 + x + 1}{(x^2 - x + 1) (x^5 + x^4 + x^3 - x - 1)}$$

Sequence: A242765
Score: 2.75391
Type of gen. func.: ogf

$$(227919673161 f(x)^2 - 493950883028 f(x) + 142445768136)$$

$$(-210 x^5 - 24 x^4 - 18 x^3 - 6 x^2 + f(x) - 4 x - 2)$$

Sequence: A242765
Score: 9.38314
Type of gen. func.: lgdegf]

$$-\frac{-35 x^4 - 16 x^3 - 36 x^2 - 24 x - 16}{7 x^5 + 4 x^4 + 12 x^3 + 12 x^2 + 16 x + 8}$$

Sequence: A242771
Score: 9.61759
Type of gen. func.: ogf

$$-\frac{x^2\,(2\,x^2+2\,x+1)}{(x+1)\,(x^2+x+1)\,(x-1)^3}$$

Sequence: A242774
Score: 12.5494
Type of gen. func.: ogf

$$\frac{x^2+2\,x+2}{(x+1)\,(x^2+x+1)\,(x-1)^2}$$

Sequence: A242781
Score: 5.08486
Type of gen. func.: ogf

$$4\,f(x)^2\,x^4-f(x)^2\,x^3+12\,f(x)^2\,x^2+4\,f(x)\,x^3-3\,f(x)^2\,x-f(x)\,x^2$$

$$+\,4\,f(x)\,x+x^2-f(x)$$

Sequence: A242798
Score: 3.48364
Type of gen. func.: ogf

$$27\,f(x)^3\,x^3-31\,f(x)^3\,x^2+54\,f(x)^2\,x^3+31\,f(x)^3\,x-35\,f(x)^2\,x^2+36\,f(x)\,x^3$$

$$-\,4\,f(x)^3+4\,f(x)^2\,x-11\,f(x)\,x^2+8\,x^3+f(x)\,x-x^2$$

Sequence: A242850
Score: 7.21646
Type of gen. func.: ogf

$$\frac{6\,x\,(x^4+124\,x^3+390\,x^2+124\,x+1)}{{}^{6}}$$

$(x - 1)$

Sequence: A242850
Score: 7.27976
Type of gen. func.: lgdogf

$$-\frac{-2 x^4 - 376 x^3 - 1932 x^2 - 1400 x - 130}{-x^5 - 123 x^4 - 266 x^3 + 266 x^2 + 123 x + 1}$$

Sequence: A242851
Score: 5.36229
Type of gen. func.: ogf

$$-\frac{7 x^6 + 2862 x^5 + 20161 x^4 + 20196 x^3 + 2841 x^2 + 14 x - 1}{(x - 1)^7}$$

Sequence: A242852
Score: 4.68040
Type of gen. func.: ogf

$$\frac{8 x (x^6 + 1350 x^5 + 18591 x^4 + 40756 x^3 + 18591 x^2 + 1350 x + 1)}{(x - 1)^8}$$

Sequence: A242853
Score: 3.89183
Type of gen. func.: ogf

$$- (9 x^8 + 40464 x^7 + 1007524 x^6 + 4112928 x^5 + 4113054 x^4 + 1007440 x^3 + 40500 x^2 + 1) / (x - 1)^9$$

Sequence: A242856
Score: 7.94725
Type of gen. func.: lgdogf

$$-\frac{x^4 - 10 x^3 + 15 x^2 + 92 x + 22}{x^5 - 8 x^4 + 19 x^3 + 5 x^2 - 16 x - 1}$$

Sequence: A242856
Score: 8.27163
Type of gen. func.: ogf

$$-\frac{2 (x^4 - 7 x^3 + 12 x^2 + 17 x + 1)}{(x - 1)^5}$$

Sequence: A242874
Score: 15.2405
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4 x^2 - 6 x - 6}{x^3 - 1}$$

Sequence: A242954
Score: 4.88296
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 + 1) (2 x^2 + 2 x + 1) (2 x^2 - 2 x + 1) (16 x^8 + 1)}{(32 x^8 - 1) (32 x^8 + 1)}$$

Sequence: A242963
Score: 14.7386
Type of gen. func.: lgdogf

$$-\frac{5 x - 7}{x^3 + 2 x^2 - 8 x + 5}$$

Sequence: A242963

Score: 15.5728
Type of gen. func.: ogf

$$-\frac{x^2+3x-5}{(x-1)^2}$$

Sequence: A242963
Score: 8.09177
Type of gen. func.: ogf

$$\{-a(n+3)+2a(n+2)-a(n+1),\ a(0)=5,\ a(1)=7,\ a(2)=8\}$$

Sequence: A242963
Score: 8.78045
Type of gen. func.: ogf

$$(2f(x)+39)(f(x)x^2-2f(x)x+x^2+f(x)+3x-5)$$

Sequence: A242971
Score: 10.2440
Type of gen. func.: ogf

$$-\frac{(x^2-x-1)(x^3+x^2-1)}{(2x^2-1)(x-1)^2(x+1)^2}$$

Sequence: A242983
Score: 3.60261
Type of gen. func.: ogf

$$\{(-31n^2-165n-206)a(n+1)+(58n^2+199n+110)a(n+2)$$
$$+(-27n^2-50n+8)a(n+3),\ a(0)=0,\ a(1)=1,\ a(2)=1\}$$

Sequence: A242983
Score: 7.24437
Type of gen. func.: ogf

$$\frac{x\,(2\,x^3 - 17\,x^2 + 4\,x - 1)}{(x - 1)^5}$$

Sequence: A242983
Score: 7.93431
Type of gen. func.: lgdogf

$$-\frac{-4\,x^3 + 45\,x^2 + 18\,x + 1}{-2\,x^4 + 19\,x^3 - 21\,x^2 + 5\,x - 1}$$

Sequence: A242985
Score: 11.3325
Type of gen. func.: lgdogf

$$-\frac{-80\,x^2 + 48\,x - 8}{-80\,x^3 + 84\,x^2 - 28\,x + 3}$$

Sequence: A242985
Score: 12.2179
Type of gen. func.: ogf

$$8\,f(x)\,x^2 - 6\,f(x)\,x + f(x) + 10\,x - 3$$

Sequence: A242985
Score: 16.9988
Type of gen. func.: ogf

$$-\frac{10\,x - 3}{(4\,x - 1)\,(2\,x - 1)}$$

Sequence: A242985
Score: 9.53590
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 8 a(n), a(0) = 3, a(1) = 8\}$$

Sequence: A243006
Score: 4.19477
Type of gen. func.: ogf

$$\{(3 n + 11) a(n + 1) + (-3 n - 8) a(n + 2) + (3 n + 5) a(n + 3)$$

$$+ (-3 n - 2) a(n + 4), a(0) = 0, a(1) = 1, a(2) = -1, a(3) = 7\}$$

Sequence: A243006
Score: 7.75636
Type of gen. func.: ogf

$$- \frac{x (x^4 - 6 x^3 - 12 x^2 + 3 x - 1)}{(x - 1)^2 (x^2 + 1)^2}$$

Sequence: A243011
Score: 5.42911
Type of gen. func.: ogf

$$- \frac{16 x^6 + 58 x^5 + 87 x^4 + 105 x^3 + 66 x^2 + 25 x + 3}{(x^2 + x + 1)^2 (x - 1)^5}$$

Sequence: A243014
Score: 10.0913
Type of gen. func.: lgdegf]

$$- \frac{x^3 - x^2 - 1}{-x^3 + 2 x^2 - 2 x + 1}$$

Sequence: A243019
Score: 5.18334
Type of gen. func.: ogf

$$-24 f(x)^2 x^3 + 8 f(x)^2 x^2 + 3 f(x)^2 x - 8 f(x) x^2 - f(x)^2 + f(x) - 2 x$$

Sequence: A243020
Score: 9.13523
Type of gen. func.: ogf_with_Euler_transform]

$$[2]$$

Sequence: A243023
Score: 2.64844
Type of gen. func.: ogf

$$-(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A243027
Score: 10.9304
Type of gen. func.: ogf

$$- \frac{9 x^2 + 8 x + 12}{2 x^3 + x^2 + 2 x - 1}$$

Sequence: A243027
Score: 5.64737
Type of gen. func.: ogf

$$-(239 f(x) - 313) (2 f(x) x^3 + f(x) x^2 + 2 f(x) x + 9 x^2 - f(x) + 8 x + 12)$$

Sequence: A243027
Score: 5.89291
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - a(n + 1) - 2 a(n), a(0) = 12, a(1) = 32, a(2) = 85\}$$

Sequence: A243028
Score: 5.69339
Type of gen. func.: ogf

$$-\frac{14 x^5 + 16 x^4 + 36 x^3 + 8 x^2 + 10 x - 13}{(3 x^3 + 2 x^2 + 3 x - 1) (x^3 + x - 1)}$$

Sequence: A243029
Score: 3.41623
Type of gen. func.: ogf

$$-\frac{37 x^8 + 63 x^7 + 154 x^6 + 98 x^5 + 108 x^4 - 45 x^3 - 9 x^2 - 48 x + 13}{(2 x^3 + x^2 + 2 x - 1) (4 x^3 + 3 x^2 + 4 x - 1) (x^3 + x - 1)}$$

Sequence: A243038
Score: 5.29557
Type of gen. func.: ogf

$$(507 f(x) - 289) (f(x) x^4 + f(x) x^3 + 5 x^3 - 3 f(x) x + 7 x^2 + f(x) + 3 x - 13)$$

Sequence: A243038
Score: 9.38074
Type of gen. func.: ogf

$$-\frac{5 x^3 + 7 x^2 + 3 x - 13}{(x - 1) (x^3 + 2 x^2 + 2 x - 1)}$$

Sequence: A243039
Score: 5.04090
Type of gen. func.: ogf

$$-\frac{5 x^6 + 17 x^5 + 22 x^4 - 5 x^3 - 25 x^2 - 24 x + 14}{(x - 1) (x^3 + 3 x^2 + 3 x - 1) (x^3 + x^2 + x - 1)}$$

Sequence: A243094
Score: 5.14454
Type of gen. func.: ogf

$$-(35195 f(x) - 39313)$$

$$(f(x) x^4 + 3 f(x) x^3 - x^4 + f(x) x^2 - 2 x^3 + f(x) x + 2 x^2 - f(x) + x + 1)$$

Sequence: A243094
Score: 9.50228
Type of gen. func.: ogf

$$\frac{x^4 + 2 x^3 - 2 x^2 - x - 1}{x^4 + 3 x^3 + x^2 + x - 1}$$

Sequence: A243099
Score: 9.36390
Type of gen. func.: ogf

$$- \frac{x^3 (x^4 + x + 1)}{(x - 1)^3 (x + 1)^3}$$

Sequence: A243105
Score: 5.30919
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{149351094129551342786091}{14} x^{15} \exp\left(\frac{74653565779881276451418099997990 x^5}{16594566014394593642899}\right)$$

Sequence: A243107
Score: 11.4968
Type of gen. func.: lgdegf]

$$- \frac{-x^3 - 2 x^2 + 2 x + 2}{2 x^2 - 2}$$

Sequence: A243107
Score: 3.36492

Type of gen. func.: egf]

$$\{(2 n + 10) a(n + 5) - 2 a(n + 4) + (-8 - 2 n) a(n + 3) + 2 a(n + 2) + a(n + 1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 2/3, a(4) = \frac{13}{24}\}$$

Sequence: A243116
Score: 7.51389
Type of gen. func.: ogf

$$-4 f(x)^3 x^3 + 12 f(x)^3 x^2 - 39 f(x)^3 x + 4 f(x)^3 + 3 f(x) x - 3 f(x) - 1$$

Sequence: A243131
Score: 6.28771
Type of gen. func.: ogf

$$\frac{x (x^4 + 356 x^3 + 1206 x^2 + 356 x + 1)}{(x - 1)^6}$$

Sequence: A243132
Score: 5.24030
Type of gen. func.: ogf

$$-\frac{x^6 + 1344 x^5 + 10165 x^4 + 10200 x^3 + 1323 x^2 + 8 x - 1}{(x - 1)^7}$$

Sequence: A243133
Score: 4.34294
Type of gen. func.: ogf

$$\frac{x (x^6 + 5034 x^5 + 73935 x^4 + 164620 x^3 + 73935 x^2 + 5034 x + 1)}{(x - 1)^8}$$

Sequence: A243134

Score: 3.74095
Type of gen. func.: ogf

$$-\left(x^8 + 18808\,x^7 + 496540\,x^6 + 2065096\,x^5 + 2065222\,x^4 + 496456\,x^3 + 18844\,x^2 - 8\,x + 1\right) \Big/ (x - 1)^9$$

Sequence: A243138
Score: 12.8291
Type of gen. func.: lgdogf

$$-\frac{-x^2 - 22\,x + 29}{-x^3 - 9\,x^2 + 23\,x - 13}$$

Sequence: A243138
Score: 13.8473
Type of gen. func.: ogf

$$\frac{x^2 + 10\,x - 13}{(x - 1)^3}$$

Sequence: A243138
Score: 7.33093
Type of gen. func.: ogf

$$(428\,f(x) - 95339)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x - x^2 - f(x) - 10\,x + 13)$$

Sequence: A243138
Score: 7.58591
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 13,\ a(1) = 29,\ a(2) = 47\}$$

Sequence: A243142
Score: 5.83602
Type of gen. func.: ogf

$$\frac{x (2 x^5 - 5 x^4 + x^3 - 8 x^2 - 7 x - 3)}{(x + 1)^3 (x - 1)^7}$$

Sequence: A243156
Score: 12.0392
Type of gen. func.: ogf

$$f(x)^3 x - f(x)^2 + f(x) x + f(x) - x$$

Sequence: A243157
Score: 11.3541
Type of gen. func.: ogf

$$f(x)^3 x^3 - f(x)^2 x + f(x) x + f(x) - 1$$

Sequence: A243157
Score: 16.8128
Type of gen. func.: revogf

$$- \frac{-x^2 + x}{x^3 + x - 1}$$

Sequence: A243201
Score: 8.41412
Type of gen. func.: lgdogf

$$- \frac{-x^4 - 36 x^3 - 162 x^2 - 140 x - 21}{-x^5 - 15 x^4 - 22 x^3 + 22 x^2 + 15 x + 1}$$

Sequence: A243201
Score: 9.10099
Type of gen. func.: ogf

$$-\frac{x^4 + 16 x^3 + 38 x^2 + 16 x + 1}{(x - 1)^5}$$

Sequence: A243206
Score: 5.28816
Type of gen. func.: ogf

$$\frac{4 x^3 (x^6 - 5 x^5 - 6 x^4 + 72 x^3 - 125 x^2 - 163 x - 14)}{(x - 1)^7}$$

Sequence: A243208
Score: 5.38231
Type of gen. func.: ogf

$$\frac{x (x^7 - 2 x^6 - x^5 - 14 x^4 - 13 x^3 - 17 x^2 - 11 x - 3)}{(x^2 + x + 1) (x + 1)^3 (x - 1)^7}$$

Sequence: A243212
Score: 7.27652
Type of gen. func.: ogf

$$-\frac{x (2 x^3 - 4 x^2 + 17 x + 15)}{(x + 1) (x - 1)^7}$$

Sequence: A243212
Score: 7.47865
Type of gen. func.: lgdogf

$$-\frac{-10 x^4 + 12 x^3 - 101 x^2 - 214 x - 107}{-2 x^5 + 4 x^4 - 15 x^3 - 19 x^2 + 17 x + 15}$$

Sequence: A243213

Score: 4.22443
Type of gen. func.: ogf

$$\frac{7 x^{7} - 33 x^{6} - 15 x^{5} - 38 x^{4} - 318 x^{3} - 330 x^{2} - 110 x - 3}{(x + 1)^{3} (x - 1)^{9}}$$

Sequence: A243215
Score: 3.57289
Type of gen. func.: ogf

$$- x^{3} (6 x^{9} - 14 x^{8} - 155 x^{7} + 474 x^{6} + 1267 x^{5} - 7976 x^{4} + 13539 x^{3} + 17290 x^{2} + 2431 x + 18) / (x - 1)^{9}$$

Sequence: A243228
Score: 5.94733
Type of gen. func.: ogf

$$\frac{(x^{2} - 5 x + 3) (x^{2} + x - 1)}{(x^{3} + 3 x^{2} - 4 x + 1) (2 x - 1)^{2} (x - 1)^{3}}$$

Sequence: A243255
Score: 8.98840
Type of gen. func.: revogf

$$- \frac{-x^{2} + x}{-x^{4} + 2 x^{3} - x - 1}$$

Sequence: A243310
Score: 4.76698
Type of gen. func.: egf]

$$-(63 f(x) + 187) (-3 x^{5} - 40 x^{3} - 120 x^{2} + 120 f(x) - 240 x - 120)$$

Sequence: A243359
Score: 4.73911
Type of gen. func.: ogf

$$-\frac{5x^8-2x^7+6x^6-4x^5+6x^4-2x^3+5x^2+1}{(x-1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)}$$

Sequence: A243369
Score: 27.7163
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A243369
Score: 5.55101
Type of gen. func.: ogf

$$-(f(x)x^2-2f(x)x+f(x)-1)^2$$

Sequence: A243383
Score: 4.56578
Type of gen. func.: ogf

$$(4f(x)-819)\left(f(x)x^4-2f(x)x^3+4f(x)x^2+5x^3-4f(x)x-8x^2+f(x)+17x-13\right)$$

Sequence: A243383
Score: 8.14906
Type of gen. func.: ogf

$$-\frac{5x^3-8x^2+17x-13}{(x-1)(x^3-x^2+3x-1)}$$

Sequence: A243384

Score: 4.86703
Type of gen. func.: ogf

```
           6        5        4        3        2
      5 x  - 13 x  + 40 x  - 59 x  + 67 x  - 53 x + 14
    - ------------------------------------------------
                3    2                  3    2
      (x - 1) (x  - x  + 4 x - 1) (x  - x  + 2 x - 1)
```

Sequence: A243399
Score: 13.0645
Type of gen. func.: lgdogf

```
       -2 x - 19
    - ---------------
        2
      -x  - 19 x + 1
```

Sequence: A243399
Score: 19.2125
Type of gen. func.: ogf

```
            1
    - -------------
       2
      x  + 19 x - 1
```

Sequence: A243399
Score: 7.423
Type of gen. func.: ogf

```
                                  2
    -(363 f(x) - 2) (f(x) x  + 19 f(x) x - f(x) + 1)
```

Sequence: A243399
Score: 7.77648
Type of gen. func.: ogf

```
    {-a(n + 2) + 19 a(n + 1) + a(n), a(0) = 1, a(1) = 19}
```

Sequence: A243412
Score: 6.06627
Type of gen. func.: ogf

```
     3  3       2  3       2  2         3       2           2
```

$$-f(x)\ x\ + f(x)\ x\ + f(x)\ x\ - f(x)\ x\ - f(x)\ x - f(x)\ x\ + f(x) - 1$$

Sequence: A243427
Score: 11.0123
Type of gen. func.: ogf

$$-f(x)\ x^{2} + 2\ f(x)\ x + x^{2} - f(x) - 4\ x + 4$$

Sequence: A243427
Score: 14.7522
Type of gen. func.: ogf

$$\frac{(x - 2)^{2}}{(x - 1)^{2}}$$

Sequence: A243427
Score: 21.7186
Type of gen. func.: lgdogf

$$-\frac{2}{-x^{2} + 3\ x - 2}$$

Sequence: A243427
Score: 7.66538
Type of gen. func.: ogf

$$\{-a(n + 3) + 2\ a(n + 2) - a(n + 1),\ a(0) = 4,\ a(1) = 4,\ a(2) = 5\}$$

Sequence: A243456
Score: 8.61444
Type of gen. func.: ogf

$$-\frac{50\ x^{4} - 39\ x^{2} + 8}{(2\ x^{2} - 1)^{3}}$$

Sequence: A243464
Score: 4.27379
Type of gen. func.: ogf

$$\{(13466 n^2 + 43953 n) a(n) + (6028 n^2 + 73934 n + 123208) a(n + 1) + (-19494 n^2 + 13953 n) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 3\}$$

Sequence: A243464
Score: 7.94321
Type of gen. func.: ogf

$$\frac{x^2 (43 x^3 - 137 x^2 - 95 x - 3)}{(x - 1)^5}$$

Sequence: A243464
Score: 8.54759
Type of gen. func.: lgdogf

$$- \frac{-86 x^3 + 282 x^2 + 654 x + 110}{-43 x^4 + 180 x^3 - 42 x^2 - 92 x - 3}$$

Sequence: A243465
Score: 4.98741
Type of gen. func.: ogf

$$\frac{2 x^3 (15 x^6 - 167 x^5 + 320 x^4 + 686 x^3 - 2789 x^2 - 1815 x - 90)}{(x - 1)^7}$$

Sequence: A243469
Score: 13.0886
Type of gen. func.: ogf

```
                2
               x  - 2 x - 1
           - --------------
               4       2
```

$$x - 16 x + 1$$

Sequence: A243469
Score: 7.59136
Type of gen. func.: ogf

$$-(586 f(x) - 5) (f(x) x^4 - 16 f(x) x^2 + x^2 + f(x) - 2 x - 1)$$

Sequence: A243470
Score: 13.5380
Type of gen. func.: ogf

$$-\frac{x^2 - 7 x - 1}{x^4 - 16 x^2 + 1}$$

Sequence: A243470
Score: 6.54335
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 21 x^4 - 4 x^3 + 112 x^2 + 30 x + 7}{x^6 - 7 x^5 - 17 x^4 + 112 x^3 + 17 x^2 - 7 x - 1}$$

Sequence: A243470
Score: 7.85201
Type of gen. func.: ogf

$$(7618 f(x) + 1375) (f(x) x^4 - 16 f(x) x^2 + x^2 + f(x) - 7 x - 1)$$

Sequence: A243513
Score: 10.2473
Type of gen. func.: ogf

$$-\frac{6 x^2 - 10 x + 3}{(3 x - 1) (x - 1)^2}$$

Sequence: A243513
Score: 5.25065
Type of gen. func.: ogf

$$-(319 f(x) + 1743) (3 f(x) x^3 - 7 f(x) x^2 + 5 f(x) x + 6 x^2 - f(x) - 10 x + 3)$$

Sequence: A243513
Score: 5.62239
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 7 a(n + 1) - 3 a(n), a(0) = 3, a(1) = 5, a(2) = 10\}$$

Sequence: A243513
Score: 7.30264
Type of gen. func.: lgdogf

$$- \frac{-18 x^3 + 42 x^2 - 25 x + 5}{-18 x^4 + 54 x^3 - 55 x^2 + 22 x - 3}$$

Sequence: A243514
Score: 3.28262
Type of gen. func.: ogf

$$\{(-8 n - 48) a(n + 1) + (14 n + 76) a(n + 2) + (-7 n - 36) a(n + 3)$$

$$+ (n + 5) a(n + 4), a(0) = 3, a(1) = 5, a(2) = 10, a(3) = 25\}$$

Sequence: A243514
Score: 4.39131
Type of gen. func.: ogf

$$-(299 f(x) + 1228) (8 f(x) x^4 - 22 f(x) x^3 + 21 f(x) x^2 + 16 x^3 - 8 f(x) x$$

$$- 33 x^2 + f(x) + 19 x - 3)$$

Sequence: A243514

Score: 8.08645
Type of gen. func.: ogf

$$-\frac{16x^3-33x^2+19x-3}{(4x-1)(2x-1)(x-1)^2}$$

Sequence: A243515
Score: 5.70361
Type of gen. func.: ogf

$$-\frac{60x^4-141x^3+106x^2-31x+3}{(3x-1)(2x-1)(5x-1)(x-1)^2}$$

Sequence: A243516
Score: 4.83692
Type of gen. func.: ogf

$$-\frac{288x^5-739x^4+655x^3-258x^2+46x-3}{(6x-1)(3x-1)(2x-1)(4x-1)(x-1)^2}$$

Sequence: A243517
Score: 4.03420
Type of gen. func.: ogf

$$-\frac{1680x^6-4607x^5+4579x^4-2175x^3+531x^2-64x+3}{(4x-1)(3x-1)(2x-1)(7x-1)(5x-1)(x-1)^2}$$

Sequence: A243518
Score: 3.43730
Type of gen. func.: ogf

$$-\frac{11520x^7-33305x^6+36095x^5-19574x^4+5849x^3-976x^2+85x-3}{(6x-1)(4x-1)(3x-1)(2x-1)(8x-1)(5x-1)(x-1)^2}$$

Sequence: A243520
Score: 12.5030
Type of gen. func.: lgdogf

$$-\frac{-6 x^{2} - 27 x - 11}{-3 x^{3} - 8 x^{2} + 3 x + 8}$$

Sequence: A243520
Score: 14.4771
Type of gen. func.: ogf

$$\frac{x (3 x + 8)}{(x + 1) (x - 1)^{2}}$$

Sequence: A243520
Score: 7.23857
Type of gen. func.: ogf

$$(2321 f(x) + 34627) (f(x) x^{3} - f(x) x^{2} - f(x) x - 3 x^{2} + f(x) - 8 x)$$

Sequence: A243520
Score: 7.36783
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 8, a(2) = 11\}$$

Sequence: A243577
Score: 6.65729
Type of gen. func.: ogf

$$-\frac{15 x^{6} - 30 x^{5} + 45 x^{4} - 60 x^{3} + 69 x^{2} - 46 x + 39}{(x^{2} + 1)^{2} (x - 1)^{3}}$$

Sequence: A243578

Score: 11.0409
Type of gen. func.: lgdogf

$$-\frac{15x^2+178x+191}{15x^3+59x^2-35x-39}$$

Sequence: A243578
Score: 12.5935
Type of gen. func.: ogf

$$-\frac{(3x+13)(5x+3)}{(x-1)^3}$$

Sequence: A243578
Score: 6.49987
Type of gen. func.: ogf

$(93152 f(x) - 5963823)$

$$(f(x)x^3-3f(x)x^2+3f(x)x+15x^2-f(x)+74x+39)$$

Sequence: A243578
Score: 6.88874
Type of gen. func.: ogf

$$\{a(n+3)-3a(n+2)+3a(n+1)-a(n),\ a(0)=39,\ a(1)=191,\ a(2)=471\}$$

Sequence: A243579
Score: 15.0605
Type of gen. func.: lgdogf

$$-\frac{-15x^2-114x-255}{-15x^3-27x^2-29x+71}$$

Sequence: A243579
Score: 17.1784
Type of gen. func.: ogf

$$-\frac{15 x^2 + 42 x + 71}{(x - 1)^3}$$

Sequence: A243579
Score: 8.8663
Type of gen. func.: ogf

$$(37792 f(x) - 2564945)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 15 x^2 - f(x) + 42 x + 71)$$

Sequence: A243579
Score: 9.39675
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 71, a(1) = 255, a(2) = 567}

Sequence: A243580
Score: 15.2697
Type of gen. func.: lgdogf

$$-\frac{-15 x^2 - 82 x - 287}{-15 x^3 - 11 x^2 - 61 x + 87}$$

Sequence: A243580
Score: 17.1784
Type of gen. func.: ogf

$$-\frac{15 x^2 + 26 x + 87}{(x - 1)^3}$$

Sequence: A243580
Score: 9.01165
Type of gen. func.: ogf

$$(3040 f(x) - 219093)\,(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 15 x^2 - f(x) + 26 x + 87)$$

Sequence: A243580
Score: 9.39675
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 87, a(1) = 287, a(2) = 615\}$$

Sequence: A243581
Score: 10.9994
Type of gen. func.: ogf

$$-\frac{15 x^2 - 6 x + 119}{(x - 1)^3}$$

Sequence: A243581
Score: 5.77016
Type of gen. func.: ogf

$$(5536 f(x) - 480179)\,(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 15 x^2 - f(x) - 6 x + 119)$$

Sequence: A243581
Score: 5.96575
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 119, a(1) = 351, a(2) = 711\}$$

Sequence: A243581
Score: 9.51296
Type of gen. func.: lgdogf

$$-\frac{-15 x^2 - 18 x - 351}{-15 x^3 + 21 x^2 - 125 x + 119}$$

Sequence: A243600
Score: 7.05414
Type of gen. func.: ogf

$$-\frac{2x^4+7x^3-2x^2-10x+4}{(x-1)(x^2+x-1)(x^2+3x-1)}$$

Sequence: A243601
Score: 4.65573
Type of gen. func.: ogf

$$-\frac{2x^6+13x^5+15x^4-24x^3-21x^2+22x-4}{(x-1)(x^2+x-1)(x^2+2x-1)(x^2+4x-1)}$$

Sequence: A243602
Score: 3.80609
Type of gen. func.: ogf

$$-\frac{2x^8+21x^7+63x^6+18x^5-129x^4-31x^3+101x^2-38x+4}{(x-1)(x^2+2x-1)(x^2+3x-1)(x^2+5x-1)(x^2+x-1)}$$

Sequence: A243626
Score: 11.7097
Type of gen. func.: revogf

$$-\frac{-x^2+x}{-2x^2-3x-1}$$

Sequence: A243626
Score: 3.60298
Type of gen. func.: ogf

$\{-2 a(n) n + (19 n + 30) a(n + 1) + (8 n + 9) a(n + 2) + (-n - 3) a(n + 3),$

a(0) = 0, a(1) = 1, a(2) = 4}

Sequence: A243626
Score: 8.34116
Type of gen. func.: ogf

$$-2 f(x)^2 x - f(x)^2 - 3 f(x) x + f(x) - x$$

Sequence: A243632
Score: 8.18216
Type of gen. func.: revogf

$$-\frac{-4 x^4 + 6 x^3 - 4 x^2 + x}{-x^2 + 2 x - 1}$$

Sequence: A243633
Score: 5.04879
Type of gen. func.: ogf

{a(n + 4) - 5 a(n + 3) + 8 a(n + 2) - 5 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 3,

a(3) = 8}

Sequence: A243633
Score: 5.41822
Type of gen. func.: ogf

$$-(1 + 4 f(x)) (5 f(x) x^3 - 8 f(x) x^2 - 4 x^3 + 5 f(x) x + 6 x^2 - f(x) - 4 x + 1)$$

Sequence: A243633
Score: 9.65855
Type of gen. func.: ogf

$$\frac{(2 x - 1) (2 x^2 - 2 x + 1)}{5 x^3 - 8 x^2 + 5 x - 1}$$

Sequence: A243635
Score: 5.88269
Type of gen. func.: ogf

$$-\frac{12x^5+20x^4-30x^3-14x^2+19x-4}{(x-1)(3x-1)(2x-1)(x+1)(x^2+2x-1)}$$

Sequence: A243636
Score: 4.11992
Type of gen. func.: ogf

$$-\frac{32x^7+80x^6-51x^5-126x^4+59x^3+40x^2-27x+4}{(2x-1)(x-1)(4x^2+2x-1)(2x^2+2x-1)(x^2+2x-1)}$$

Sequence: A243645
Score: 4.29385
Type of gen. func.: ogf

$$\{(34n^2+31n)a(n+1)+(-134n^2-218n-108)a(n+2)$$
$$+(100n^2-77n)a(n+3), a(0)=0, a(1)=0, a(2)=0, a(3)=1\}$$

Sequence: A243645
Score: 8.31933
Type of gen. func.: ogf

$$\frac{x^3(x^3+3x^2-15x-1)}{(x-1)^5}$$

Sequence: A243645
Score: 9.39595
Type of gen. func.: lgdogf

$$-\frac{-2x^3-12x^2+54x+20}{}$$

$$-x^4 - 2x^3 + 18x^2 - 14x - 1$$

Sequence: A243646
Score: 5.90521
Type of gen. func.: ogf

$$\frac{x^4 (x^5 - 27x^4 + 90x^3 - 54x^2 - 119x - 11)}{(x - 1)^7}$$

Sequence: A243647
Score: 3.96359
Type of gen. func.: ogf

$$- x^4 (9x^8 - 102x^7 + 253x^6 + 179x^5 - 1340x^4 + 916x^3 + 1597x^2 + 167x + 1) / (x - 1)^9$$

Sequence: A243659
Score: 12.7761
Type of gen. func.: revogf

$$- \frac{x}{-2x^4 - 7x^3 - 9x^2 - 5x - 1}$$

Sequence: A243717
Score: 7.49528
Type of gen. func.: ogf

$$\frac{x^6 - 3x^4 - 5x^3 - 3x - 2}{(x + 1)^3 (x - 1)^5}$$

Sequence: A243718
Score: 3.54376
Type of gen. func.: ogf

$$(3 x^{12} - 9 x^{11} - 11 x^{10} + 32 x^9 + 16 x^8 - 18 x^7 + 3 x^6 - 74 x^5 - 86 x^4 - 77 x^3$$

$$- 12 x^2 - 6 x - 1) \Big/ ((x + 1)^4 (x - 1)^7)$$

Sequence: A243722
Score: 5.00732
Type of gen. func.: ogf

{a(n + 4) - 2 a(n + 3) - 3 a(n + 2) + 4 a(n + 1) + 3 a(n), a(0) = 3, a(1) = 6,

a(2) = 12, a(3) = 25}

Sequence: A243722
Score: 5.15038
Type of gen. func.: ogf

$$-(160 f(x) - 97)$$

$$(3 f(x) x^4 + 4 f(x) x^3 - 3 f(x) x^2 + 5 x^3 - 2 f(x) x + 9 x^2 + f(x) - 3)$$

Sequence: A243722
Score: 9.87745
Type of gen. func.: ogf

$$- \frac{5 x^3 + 9 x^2 - 3}{(3 x^2 + x - 1) (x^2 + x - 1)}$$

Sequence: A243723
Score: 7.90748
Type of gen. func.: ogf

$$- \frac{13 x^4 + 16 x^3 - 12 x^2 - 6 x + 3}{(2 x - 1) (4 x^2 + x - 1) (x^2 + x - 1)}$$

Sequence: A243724
Score: 5.62101

Type of gen. func.: ogf

$$-\frac{49 x^{6} + 74 x^{5} - 42 x^{4} - 52 x^{3} + 18 x^{2} + 9 x - 3}{(2 x - 1) (5 x^{2} + x - 1) (x^{2} + x - 1) (3 x^{2} + x - 1)}$$

Sequence: A243725
Score: 4.12204
Type of gen. func.: ogf

$$-\frac{235 x^{8} + 406 x^{7} - 176 x^{6} - 370 x^{5} + 77 x^{4} + 115 x^{3} - 24 x^{2} - 12 x + 3}{(3 x - 1) (2 x + 1) (2 x - 1) (3 x^{2} + x - 1) (4 x^{2} + x - 1) (x^{2} + x - 1)}$$

Sequence: A243735
Score: 5.17981
Type of gen. func.: ogf

$$\frac{(x - 1) (2 x^{5} + 4 x^{4} - 3 x^{3} + 2 x - 1)}{(2 x - 1) (2 x^{2} - 2 x + 1) (x^{2} + x - 1)}$$

Sequence: A243736
Score: 7.71163
Type of gen. func.: ogf

$$\frac{(x - 1) (4 x^{5} + 4 x^{4} - 4 x^{3} + x^{2} + 2 x - 1)}{(2 x^{2} + 2 x - 1) (2 x^{2} - 2 x + 1) (x^{2} + x - 1)}$$

Sequence: A243747
Score: 10.7366
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^{3} - 2 x^{2} + 2}{x^{4} + 1}$$

Sequence: A243760
Score: 9.40517
Type of gen. func.: revogf

$$-\frac{-2\,x^3+x^2-x}{4\,x^4+4\,x^2+1}$$

Sequence: A243762
Score: 10.2366
Type of gen. func.: lgdogf

$$-\frac{-27\,x^3-71\,x^2+7\,x-5}{-27\,x^4+32\,x^3-6\,x^2+1}$$

Sequence: A243762
Score: 10.4991
Type of gen. func.: ogf

$$\frac{27\,x^3-5\,x^2+x+1}{(x-1)^4}$$

Sequence: A243762
Score: 4.19965
Type of gen. func.: ogf

$$\{(n^2+1301\,n+2598)\,a(n+1)+(-362\,n^2-3544\,n-2430)\,a(n+2)$$

$$+(361\,n^2+1163\,n+240)\,a(n+3),\ a(0)=1,\ a(1)=5,\ a(2)=9\}$$

Sequence: A243762
Score: 5.72679
Type of gen. func.: ogf

$$(246\,f(x)+1537)$$

$$(f(x)\,x^4-4\,f(x)\,x^3+6\,f(x)\,x^2-27\,x^3-4\,f(x)\,x+5\,x^2+f(x)-x-1)$$

Sequence: A243763
Score: 13.5417
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-7x^2 - x - 6}{x^3 + x^2 + x + 1}$$

Sequence: A243814
Score: 8.49980
Type of gen. func.: revogf

$$-\frac{x^3 + 2x^2 + x}{-x^4 - 4x^3 - 5x^2 - 4x - 1}$$

Sequence: A243821
Score: 5.31496
Type of gen. func.: ogf

$$-\frac{x^9 - x^8 - x^7 - x^5 - 3x^3 - x - 2}{(x - 1)(x + 1)(x^2 + x + 1)(x^2 - x + 1)(x^6 + x^3 - 1)}$$

Sequence: A243860
Score: 11.9606
Type of gen. func.: ogf

$$\frac{6x^3 - 4x^2 - x + 1}{(x - 1)^3 (2x - 1)}$$

Sequence: A243860
Score: 6.62564
Type of gen. func.: ogf

(56 f(x) + 15)

$$(2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 - 6 x^3 - 5 f(x) x + 4 x^2 + f(x) + x - 1)$$

Sequence: A243860
Score: 9.02907
Type of gen. func.: lgdogf

$$-\frac{12 x^4 + 8 x^3 - 28 x^2 + 18 x - 4}{12 x^5 - 26 x^4 + 16 x^3 + x^2 - 4 x + 1}$$

Sequence: A243869
Score: 15.0667
Type of gen. func.: ogf

$$-\frac{1}{(x - 1) (3 x - 1) (2 x - 1) (x + 1)}$$

Sequence: A243869
Score: 5.90614
Type of gen. func.: ogf

$$(69553 f(x) - 44928) (6 f(x) x^4 - 5 f(x) x^3 - 5 f(x) x^2 + 5 f(x) x - f(x) + 1)$$

Sequence: A243869
Score: 8.89480
Type of gen. func.: lgdogf

$$-\frac{24 x^3 - 15 x^2 - 10 x + 5}{6 x^4 - 5 x^3 - 5 x^2 + 5 x - 1}$$

Sequence: A243883
Score: 4.62627
Type of gen. func.: ogf

$$- (x^{11} + 5 x^{10} + x^9 + 13 x^8 + 2 x^7 + 14 x^6 + 2 x^5 + 14 x^4 + 5 x^3 + 13 x^2 + x$$

$$+ 5) \Big/ \left((x - 1)^3 (x + 1)^3 (x^2 + 1)^3\right)$$

Sequence: A243903
Score: 21.7579
Type of gen. func.: ogf_with_Euler_transform]

$$[2]$$

Sequence: A243938
Score: 10.5004
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{8 x^3 + 6 x^2 + 4 x + 2}{-x^4 - x^3 - x^2 - x - 1}$$

Sequence: A243939
Score: 9.96384
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-8 x^4 - 10 x^3 - 10 x^2 - 10 x - 10}{x^5 - 1}$$

Sequence: A243953
Score: 15.6595
Type of gen. func.: lgdegf]

$$\frac{2}{1 + (1 - 4 x)^{1/2}}$$

Sequence: A243953
Score: 3.14620
Type of gen. func.: ogf

$$\{(56 + 28 n) a(n + 1) + (28 n^2 + 74 n + 44) a(n + 2)$$

$$+ (4 n^2 + 15 n + 10) a(n + 3) + (-n - 4) a(n + 4), a(0) = 1, a(1) = 1,$$

$$a(2) = 2, a(3) = 8\}$$

Sequence: A243953
Score: 35.6334
Type of gen. func.: lgdegf]

$$\frac{2}{1 + (1 - 4 x)^{1/2}}$$

Sequence: A243989
Score: 7.47343
Type of gen. func.: ogf

$$\frac{x^{14} - x^{13} + 2 x^6 + 2 x^5 + x^4 + 2 x^3 + x^2 + 2 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A244038
Score: 13.9368
Type of gen. func.: ogf

$$108 f(x)^3 x^2 - f(x)^3 + 3 f(x) - 2$$

Sequence: A244038
Score: 5.71509
Type of gen. func.: ogf

$$\{(108 n^2 + 432 n + 420) a(n + 1) + (-n^2 - 5 n - 6) a(n + 3), a(0) = 1, a(1) = 6,$$

$$a(2) = 48\}$$

Sequence: A244039
Score: 10.592
Type of gen. func.: ogf

$$-108 f(x)^3 x^2 + f(x)^3 - 9 f(x) x - f(x) - x$$

Sequence: A244062
Score: 9.23504
Type of gen. func.: revogf

$$-\frac{(-2 x + 1 + (-8 x^{3} + 16 x^{2} - 8 x + 1)^{1/2}) x}{2 (2 x - 1)}$$

Sequence: A244082
Score: 13.9102
Type of gen. func.: ogf

$$-\frac{32 x (x + 1)}{(x - 1)^{3}}$$

Sequence: A244082
Score: 18.6522
Type of gen. func.: lgdogf

$$-\frac{2 x + 4}{x^{2} - 1}$$

Sequence: A244082
Score: 38.8210
Type of gen. func.: ogf_with_Euler_transform]

[4 - x]

Sequence: A244082
Score: 7.19911
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 32, a(2) = 128\}$$

Sequence: A244082
Score: 7.52935

Type of gen. func.: ogf

$$(f(x) + 8)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 32\,x^2 - f(x) + 32\,x)$$

Sequence: A244151
Score: 14.2087
Type of gen. func.: ogf

$$\frac{x^5 + 3\,x^3 - x^2 + x + 2}{(x + 1)\,(x - 1)^2}$$

Sequence: A244151
Score: 9.04190
Type of gen. func.: lgdogf

$$-\frac{-2\,x^6 + x^5 + 5\,x^4 + 2\,x^3 + 10\,x^2 + 5\,x + 3}{x^7 + 2\,x^5 - x^4 - 2\,x^3 + 3\,x^2 - x - 2}$$

Sequence: A244156
Score: 8.33902
Type of gen. func.: ogf

$$-\frac{10\,x^{27} - 10\,x^{26} + 10\,x^{23} - 10\,x^{22} + 10\,x^5 - 10\,x^4 + 9\,x - 10}{(x - 1)^2}$$

Sequence: A244174
Score: 5.23325
Type of gen. func.: ogf

$$-4\,f(x)^2\,x^3 + 9\,f(x)^2\,x^2 - 8\,f(x)\,x^3 - 6\,f(x)^2\,x + 10\,f(x)\,x^2 - 4\,x^3 + f(x)^2$$
$$- 2\,f(x)\,x + 2\,x - 1$$

Sequence: A244177
Score: 5.58231

Type of gen. func.: ogf

$$-\frac{27 x^5 + 50 x^4 + 85 x^3 + 84 x^2 + 70 x + 38}{2 x^6 + 3 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + x - 1}$$

Sequence: A244213
Score: 11.3110
Type of gen. func.: ogf

$$-\frac{5 x^2 - x - 2}{(x + 1) (x^2 - x - 1)}$$

Sequence: A244213
Score: 6.31033
Type of gen. func.: ogf

$$(55 f(x) + 63) (f(x) x^3 - 2 f(x) x + 5 x^2 - f(x) - x - 2)$$

Sequence: A244213
Score: 6.37746
Type of gen. func.: ogf

{a(n + 3) + 2 a(n + 2) - a(n), a(0) = -2, a(1) = 3, a(2) = -1}

Sequence: A244218
Score: 6.10348
Type of gen. func.: ogf

$$\frac{x (x^{11} + x^{10} + x^9 + x^8 + 2 x^7 + x^6 + x^5 + x^4 + 2 x^3 + x^2 + x + 1)}{(x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A244219
Score: 6.07356
Type of gen. func.: ogf

$$\frac{x\,(x^{11} + x^{10} + x^{9} + 2\,x^{8} + x^{7} + x^{6} + x^{5} + 2\,x^{4} + x^{3} + x^{2} + x + 1)}{(x + 1)\,(x^{2} + 1)\,(x^{2} + x + 1)\,(x^{2} - x + 1)\,(x^{4} - x^{2} + 1)\,(x - 1)^{2}}$$

Sequence: A244221
Score: 15.1209
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{13}\,(x - 1) + x\,(x^{3} - x^{2} + 1)$$

Sequence: A244224
Score: 8.25276
Type of gen. func.: ogf

$$(x^{12} + x^{10} + x^{9} + x^{7} + x^{5} + x^{4} + x^{2} + 1) \Big/ ((x + 1)\,(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)\,(x^{6} - x^{5} + x^{4} - x^{3} + x^{2} - x + 1)\,(x - 1)^{2})$$

Sequence: A244225
Score: 16.6303
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{13}\,(x - 1) + x^{4} - x^{3} + x + 1$$

Sequence: A244225
Score: 9.68594
Type of gen. func.: ogf

$$x\,(x^{2} + x + 1)\,(x^{2} + 1)\,(x^{8} - x^{7} + x^{5} - x^{4} + x^{3} - x + 1) \Big/ ((x + 1)\,(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)\,(x^{6} - x^{5} + x^{4} - x^{3} + x^{2} - x + 1)\,(x - 1)^{2})$$

Sequence: A244229
Score: 7.87753
Type of gen. func.: ogf

$$x^2 (x^{12} + x^{10} + x^8 + x^7 + x^5 + x^3 + x^2 + 1) \Big/ ((x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^6 - x^5 + x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A244239
Score: 8.94428
Type of gen. func.: ogf

$$- \frac{x^6 - 2 x^4 - x^3 + 2 x + 1}{(x + 1) (x^2 + x + 1) (x - 1)^3}$$

Sequence: A244240
Score: 6.11719
Type of gen. func.: ogf

$$- \frac{(x^4 - x - 1) (x^8 - x^5 - 2 x^4 + 2 x + 1)}{(x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A244276
Score: 12.7467
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{5 x^3 + 8 x^2 + 3 x + 8}{-x^4 + 1}$$

Sequence: A244281
Score: 5.23036
Type of gen. func.: ogf

$$- \frac{x^2 (3 x^7 + 2 x^6 + x^4 - 3 x^3 - x + 1)}{(x^2 + x - 1) (x^3 + x - 1) (x^4 + x - 1) (x - 1)^2}$$

Sequence: A244307
Score: 7.58657
Type of gen. func.: ogf

$$\frac{x (x^3 - x + 2)}{(x + 1)^2 (x - 1)^6}$$

Sequence: A244307
Score: 9.03569
Type of gen. func.: lgdogf

$$- \frac{-5 x^4 - 4 x^3 + 4 x^2 - 12 x - 7}{-x^5 + 2 x^3 - 2 x^2 - x + 2}$$

Sequence: A244309
Score: 6.86416
Type of gen. func.: ogf

$$\frac{2 x^3 (x^2 - x + 2)}{(x + 1) (x^2 - 3 x + 1) (x^2 + 4 x - 1) (x^2 - x - 1)}$$

Sequence: A244310
Score: 5.58427
Type of gen. func.: ogf

$$\frac{2 (x^6 - 8 x^5 + 17 x^4 + 23 x^3 + 5 x^2 - 10 x + 2)}{(x + 1) (x^2 - 3 x + 1) (x^2 + 4 x - 1) (x^2 - x - 1)}$$

Sequence: A244328
Score: 12.8120
Type of gen. func.: ogf

$$\frac{x^2 (x^4 - x^3 + 2 x^2 - 3)}{x - 1}$$

Sequence: A244331
Score: 3.66478
Type of gen. func.: ogf

$$-f(x) (2 f(x) x^3 - 5 f(x) x^2 + 2 x^3 + 4 f(x) x - x^2 - f(x) + x)$$

Sequence: A244331
Score: 6.25831
Type of gen. func.: ogf

$$-\frac{x (2 x^2 - x + 1)}{(2 x - 1) (x - 1)^2}$$

Sequence: A244346
Score: 10.7571
Type of gen. func.: ogf

$$\frac{2 x^4 - 11 x^3 + 3 x^2 + x - 4}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A244346
Score: 5.9507
Type of gen. func.: ogf

$$-(45149 f(x) - 325125)$$

$$(f(x) x^4 - f(x) x^3 - 2 x^4 + 11 x^3 + f(x) x - 3 x^2 - f(x) - x + 4)$$

Sequence: A244352
Score: 5.71219
Type of gen. func.: ogf

$$\frac{4 x^2 (3 x^3 - 4 x^2 + 8 x + 1)}{(x + 1) (x^2 - 6 x + 1) (x^2 + 14 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A244364
Score: 6.26571
Type of gen. func.: ogf

$$-\frac{284 x^6 - 334 x^5 + 78 x^4 - 35 x^3 + 4 x^2 + 5 x - 3}{(2 x - 1) (x - 1)}$$

Sequence: A244366
Score: 6.96259
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4 x^9 + x^8 + x^7 - 2 x^6 + x^5 - 2 x^4 - x^3 + 2 x^2 - x - 1}{x^{10} + x^5 + 1}$$

Sequence: A244375
Score: 5.62381
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^8 + 3 x^7 - 5 x^6 + 2 x^4 - 2 x^3 - 2 x^2 + 5 x - 3}{x^9 + x^6 + x^3 + 1}$$

Sequence: A244430
Score: 21.0362
Type of gen. func.: lgdegf]

$$-\frac{1}{x^2 + x - 1}$$

Sequence: A244430
Score: 6.41784
Type of gen. func.: ogf

$$\{(n^2 + n) a(n) + (n + 2) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A244432
Score: 18.9729
Type of gen. func.: lgdegf]

$$-\frac{1}{x^2 + 2x - 1}$$

Sequence: A244432
Score: 5.78836
Type of gen. func.: ogf

$$\{(-n^2 - n) a(n) + (-2 n - 3) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A244451
Score: 19.5555
Type of gen. func.: lgdegf]

$$-\frac{1}{-x^2 + 3x - 1}$$

Sequence: A244451
Score: 5.96608
Type of gen. func.: ogf

$$\{(-n^2 - n) a(n) + (3 n + 4) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A244465
Score: 7.54018
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^7 + x^4 + x^2}{-x^8 + 1}$$

Sequence: A244469
Score: 6.6308

Type of gen. func.: ogf

$$108 f(x)^3 x^2 + 108 f(x)^2 x^2 - f(x)^3 + 36 f(x) x^2 - f(x)^2 - 3 f(x) x + 4 x^2$$

Sequence: A244469
Score: 7.03440
Type of gen. func.: revogf

$$\frac{(3 + (432 x^4 + 864 x^3 + 576 x^2 + 160 x + 25)^{1/2}) x}{8 (27 x^3 + 27 x^2 + 9 x + 1)}$$

Sequence: A244470
Score: 9.20625
Type of gen. func.: ogf

$$- \frac{2 x^8 + x^5 + 2 x^4 + 2 x^2 + x + 1}{(x^2 + x - 1) (x^4 - x^3 + 2 x^2 + x + 1)}$$

Sequence: A244472
Score: 10.7804
Type of gen. func.: ogf

$$- \frac{x^4 + x^3 + x^2 + x + 1}{x^2 + x - 1}$$

Sequence: A244472
Score: 5.85709
Type of gen. func.: ogf

$\{-a(n + 5) + a(n + 4) + a(n + 3), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 7,$

$a(4) = 12\}$

Sequence: A244472
Score: 6.46825
Type of gen. func.: ogf

$$-(51 f(x) + 10) (x^4 + f(x) x^2 + x^3 + f(x) x + x^2 - f(x) + x + 1)$$

Sequence: A244473
Score: 8.27017
Type of gen. func.: ogf

$$-\frac{x^7 + x^6 + x^5 + 2 x^4 + 3 x^3 + x^2 + 2 x + 1}{x^2 + x - 1}$$

Sequence: A244477
Score: 11.3608
Type of gen. func.: ogf

$$\frac{2 x^5 + x^4 - 3 x^3 + x^2 + 2 x + 3}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A244488
Score: 4.48344
Type of gen. func.: ogf

$$\frac{x^{10} + x^8 + 3 x^7 + 4 x^6 + 4 x^5 + 4 x^4 + 3 x^3 + x^2 + 1}{(x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A244495
Score: 5.05095
Type of gen. func.: ogf

$$\frac{x^6 + 24 x^5 + 156 x^4 + 280 x^3 + 156 x^2 + 24 x + 1}{(x - 1)^{10}}$$

Sequence: A244497
Score: 12.1253

Type of gen. func.: lgdogf

$$-\frac{-3x^3-20x^2-26x-11}{-x^4-3x^3+3x+1}$$

Sequence: A244497
Score: 8.26725
Type of gen. func.: ogf

$$\frac{(x^2+3x+1)^2}{(x+1)(x-1)^6}$$

Sequence: A244498
Score: 5.05095
Type of gen. func.: ogf

$$\frac{(x^2+20x+1)(x^2+4x+1)(x+1)^2}{(x-1)^{10}}$$

Sequence: A244498
Score: 7.36240
Type of gen. func.: lgdogf

$$-\frac{-4x^5-132x^4-784x^3-1224x^2-460x-36}{-x^6-24x^5-81x^4+81x^2+24x+1}$$

Sequence: A244501
Score: 5.71929
Type of gen. func.: ogf

$$-\frac{6x^7-17x^6+14x^5-6x^4-4x^3+20x^2+x+1}{(x-1)^7}$$

Sequence: A244502
Score: 4.43669
Type of gen. func.: ogf

$$\frac{10 x^{9} - 30 x^{8} + 130 x^{6} - 333 x^{5} + 444 x^{4} - 236 x^{3} + 24 x^{2} - 81 x - 33}{(x - 1)^{9}}$$

Sequence: A244525
Score: 8.10925
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{7} - x^{6} - 1}{x^{8} - 1}$$

Sequence: A244526
Score: 9.07158
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^{7} + 2 x^{4} + 2 x^{2}}{-x^{8} + 1}$$

Sequence: A244540
Score: 5.59555
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^{6} + x^{5} - 2 x^{4} - x^{3} - x^{2} - 3}{x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1}$$

Sequence: A244543
Score: 8.72564
Type of gen. func.: ogf_with_Euler_transform]

```
         5    4
      2 x  - x  + 2 x + 1
    - -------------------
           6    4    2
```

$$-x - x - x - 1$$

Sequence: A244544
Score: 12.7747
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^3 - 2x^2 + 2}{-x^4 - 1}$$

Sequence: A244550
Score: 8.67588
Type of gen. func.: ogf

$$\frac{20700x^6 - 6x^5 + 1090x^4 - 20769x^3 - 5x^2 - 1093x - 2}{(x - 1)(x^2 + x + 1)}$$

Sequence: A244553
Score: 7.98370
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^5 - x^4 - 2x + 1}{x^6 + x^4 + x^2 + 1}$$

Sequence: A244554
Score: 4.72606
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^6 + x^5 + 4x^4 + x^3 + x^2 - 2x + 1}{-x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 1}$$

Sequence: A244560
Score: 9.75623
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^7-2x^6-2}{x^8-1}$$

Sequence: A244581
Score: 6.83374
Type of gen. func.: ogf

$$-x\left(x^{86}+2x^{85}+30x^{9}+25x^{8}+20x^{7}+16x^{6}+12x^{5}+9x^{4}+6x^{3}+4x^{2}+2x+1\right)\Big/\left(3x^{86}-2x^{85}-30x^{11}+35x^{10}-x^{8}-x^{6}-x^{4}-x^{2}-1\right)$$

Sequence: A244584
Score: 14.4582
Type of gen. func.: ogf

$$\frac{x^4+3}{(x^2+1)(x+1)(x-1)^2}$$

Sequence: A244584
Score: 8.00116
Type of gen. func.: ogf

$$-f(x)\left(x^5 f(x)-f(x)x^4-x^4-f(x)x+f(x)-3\right)$$

Sequence: A244586
Score: 10.1001
Type of gen. func.: ogf

$$\frac{x^5-3x+4}{(x^4+1)(x-1)^2}$$

Sequence: A244587
Score: 7.99697
Type of gen. func.: ogf

$$\frac{x^6 + x^4 - 3 x^2 + 5}{(x + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A244588
Score: 6.31340
Type of gen. func.: ogf

$$\frac{x^7 - x^5 + 2 x^4 - 3 x^3 + 4 x^2 - 5 x + 6}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A244590
Score: 6.46839
Type of gen. func.: ogf

$$\frac{x^2 (7 x^6 + 3 x^5 + 4 x^4 + 2 x^3 + 5 x^2 + 3 x + 4)}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A244594
Score: 13.8816
Type of gen. func.: ogf

$$f(x)^3 + f(x) x - 4 f(x) + 3$$

Sequence: A244600
Score: 7.96749
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^5 - x^4 - x^3 - x^2 - x - 1}{x^7 - 1}$$

Sequence: A244620
Score: 4.06317

Type of gen. func.: ogf

$$-(7930683006498539773395 f(x) + 182785409998165707428697401378)$$

$$(f(x) x^{3} - f(x) x^{2} - f(x) x - 3521232 x^{2} + f(x) - 2657248 x - 3521210)$$

Sequence: A244620
Score: 5.67604
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 3521210, a(1) = 6178458, a(2) = 13220900\}$$

Sequence: A244620
Score: 9.41216
Type of gen. func.: ogf

$$\frac{22 (160056 x^{2} + 120784 x + 160055)}{(x + 1) (x - 1)^{2}}$$

Sequence: A244627
Score: 12.0919
Type of gen. func.: ogf

$$f(x)^{3} + 4 f(x) x - 5 f(x) + 4$$

Sequence: A244630
Score: 13.2807
Type of gen. func.: ogf

$$-\frac{17 x (x + 1)}{(x - 1)^{3}}$$

Sequence: A244630
Score: 17.8082
Type of gen. func.: lgdogf

$$-\frac{2x+4}{x^2-1}$$

Sequence: A244630
Score: 37.0645
Type of gen. func.: ogf_with_Euler_transform]

$$[4 - x]$$

Sequence: A244630
Score: 6.93419
Type of gen. func.: ogf

$$\{a(n+3) - 3a(n+2) + 3a(n+1) - a(n),\ a(0) = 0,\ a(1) = 17,\ a(2) = 68\}$$

Sequence: A244630
Score: 7.12331
Type of gen. func.: ogf

$$(4f(x) + 17)(f(x)x^3 - 3f(x)x^2 + 3f(x)x + 17x^2 - f(x) + 17x)$$

Sequence: A244631
Score: 13.4066
Type of gen. func.: ogf

$$-\frac{19x(x+1)}{(x-1)^3}$$

Sequence: A244631
Score: 17.9770
Type of gen. func.: lgdogf

$$-\frac{2x+4}{x^2-1}$$

Sequence: A244631
Score: 37.4158
Type of gen. func.: ogf_with_Euler_transform]

$$[4 - x]$$

Sequence: A244631
Score: 6.99991
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 19, a(2) = 76\}$$

Sequence: A244631
Score: 7.19083
Type of gen. func.: ogf

$$(4 f(x) + 19) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 19 x^2 - f(x) + 19 x)$$

Sequence: A244632
Score: 13.5954
Type of gen. func.: ogf

$$- \frac{23 x (x + 1)}{(x - 1)^3}$$

Sequence: A244632
Score: 18.2302
Type of gen. func.: lgdogf

$$- \frac{2 x + 4}{x^2 - 1}$$

Sequence: A244632
Score: 37.9428
Type of gen. func.: ogf_with_Euler_transform]

$$[4 - x]$$

Sequence: A244632
Score: 7.09850
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 23, a(2) = 92\}$$

Sequence: A244632
Score: 7.29211
Type of gen. func.: ogf

$$(4 f(x) + 23) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 23 x^2 - f(x) + 23 x)$$

Sequence: A244633
Score: 13.7213
Type of gen. func.: ogf

$$-\frac{26 x (x + 1)}{(x - 1)^3}$$

Sequence: A244633
Score: 18.3990
Type of gen. func.: lgdogf

$$-\frac{2 x + 4}{x^2 - 1}$$

Sequence: A244633
Score: 38.2941
Type of gen. func.: ogf_with_Euler_transform]

$$[4 - x]$$

Sequence: A244633
Score: 7.10139
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 26, a(2) = 104\}$$

Sequence: A244633
Score: 7.35962
Type of gen. func.: ogf

$$(2 f(x) + 13) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 26 x^2 - f(x) + 26 x)$$

Sequence: A244634
Score: 13.7213
Type of gen. func.: ogf

$$- \frac{27 x (x + 1)}{(x - 1)^3}$$

Sequence: A244634
Score: 18.3990
Type of gen. func.: lgdogf

$$- \frac{2 x + 4}{x^2 - 1}$$

Sequence: A244634
Score: 38.2941
Type of gen. func.: ogf_with_Euler_transform]

[4 - x]

Sequence: A244634
Score: 7.10139
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 27, a(2) = 108}

Sequence: A244634
Score: 7.35962
Type of gen. func.: ogf

$$(4 f(x) + 27) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 27 x^2 - f(x) + 27 x)$$

Sequence: A244635
Score: 13.8472
Type of gen. func.: ogf

$$- \frac{29 x (x + 1)}{(x - 1)^3}$$

Sequence: A244635
Score: 18.5678
Type of gen. func.: lgdogf

$$- \frac{2 x + 4}{x^2 - 1}$$

Sequence: A244635
Score: 38.6454
Type of gen. func.: ogf_with_Euler_transform]

$$[4 - x]$$

Sequence: A244635
Score: 7.16654
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 29, a(2) = 116\}$$

Sequence: A244635
Score: 7.42714
Type of gen. func.: ogf

$$(4 f(x) + 29) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 29 x^2 - f(x) + 29 x)$$

Sequence: A244636
Score: 13.8472

Type of gen. func.: ogf

$$-\frac{30 x (x + 1)}{(x - 1)^3}$$

Sequence: A244636
Score: 18.5678
Type of gen. func.: lgdogf

$$-\frac{2 x + 4}{x^2 - 1}$$

Sequence: A244636
Score: 38.6454
Type of gen. func.: ogf_with_Euler_transform]

$$[4 - x]$$

Sequence: A244636
Score: 7.16654
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 30, a(2) = 120\}$$

Sequence: A244636
Score: 7.42714
Type of gen. func.: ogf

$$(2 f(x) + 15) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 30 x^2 - f(x) + 30 x)$$

Sequence: A244644
Score: 11.0052
Type of gen. func.: ogf

$$\frac{x (x^{18} - x^{17} + 2 x^2 + 2 x + 1)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A244650
Score: 8.81693
Type of gen. func.: lgdogf

$$-\frac{5}{2\,x\,(x-1)^{1/2}\,(5\,x-1)^{1/2}}-\frac{8\,x-5}{2\,(x-1)\,x}$$

Sequence: A244651
Score: 7.51955
Type of gen. func.: lgdogf

$$-\frac{3\,(1+3\,x)}{2\,(x-1)^{1/2}\,x\,(9\,x-1)^{1/2}}-\frac{7\,x-3}{2\,(x-1)\,x}$$

Sequence: A244663
Score: 4.10331
Type of gen. func.: ogf

$$(424534729061223\,f(x)+982977588946000)$$

$$(1000\,f(x)\,x^3-1110\,f(x)\,x^2+111\,f(x)\,x+2000\,x^2-f(x)-2210\,x+111)$$

Sequence: A244663
Score: 4.81828
Type of gen. func.: ogf

{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 111, a(1) = 10111,

a(2) = 1001111}

Sequence: A244663
Score: 8.25991
Type of gen. func.: ogf

$$-\frac{2000\,x^2-2210\,x+111}{(x-1)\,(100\,x-1)\,(10\,x-1)}$$

Sequence: A244694
Score: 5.70924
Type of gen. func.: ogf

$$-\frac{14 x^{6} - 9 x^{5} + 11 x^{4} + 4 x^{3} + 16 x^{2} + 6 x - 39}{(x - 1) (x + 1) (x^{5} - x^{4} + 2 x^{3} - x^{2} + 3 x - 1)}$$

Sequence: A244713
Score: 6.55170
Type of gen. func.: ogf

$$\frac{(2 x + 1) (x^{2} + x + 1) (x^{7} + x^{3} + 1)}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A244725
Score: 10.6178
Type of gen. func.: ogf

$$\frac{5 x (x^{2} + 4 x + 1)}{(x - 1)^{4}}$$

Sequence: A244725
Score: 12.0880
Type of gen. func.: lgdogf

$$-\frac{2 x^{2} + 14 x + 8}{x^{3} + 3 x^{2} - 3 x - 1}$$

Sequence: A244725
Score: 3.94834
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-2 + 3 n) a(n + 3) + (-17 - 3 n) a(n + 2)$$

$$+ (-2 - n) a(n + 1), a(0) = 0, a(1) = 5, a(2) = 40, a(3) = 135\}$$

Sequence: A244725
Score: 5.49454
Type of gen. func.: ogf

$$-(132 f(x) + 1087)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 5 x^3 - 4 f(x) x - 20 x^2 + f(x) - 5 x)$$

Sequence: A244726
Score: 10.7653
Type of gen. func.: ogf

$$\frac{6 x (x^2 + 4 x + 1)}{(x - 1)^4}$$

Sequence: A244726
Score: 12.2559
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 14 x + 8}{x^3 + 3 x^2 - 3 x - 1}$$

Sequence: A244726
Score: 4.00318
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-2 + 3 n) a(n + 3) + (-17 - 3 n) a(n + 2)$$

$$+ (-2 - n) a(n + 1), a(0) = 0, a(1) = 6, a(2) = 48, a(3) = 162\}$$

Sequence: A244726
Score: 5.57085
Type of gen. func.: ogf

$$-(110 f(x) + 1087)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 6 x^3 - 4 f(x) x - 24 x^2 + f(x) - 6 x)$$

Sequence: A244727
Score: 10.8145
Type of gen. func.: ogf

$$\frac{7 x (x^2 + 4 x + 1)}{(x - 1)^4}$$

Sequence: A244727
Score: 12.3118
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 14 x + 8}{x^3 + 3 x^2 - 3 x - 1}$$

Sequence: A244727
Score: 4.02146
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-2 + 3 n) a(n + 3) + (-17 - 3 n) a(n + 2) + (-2 - n) a(n + 1), a(0) = 0, a(1) = 7, a(2) = 56, a(3) = 189\}$$

Sequence: A244727
Score: 5.59629
Type of gen. func.: ogf

$$-(660 f(x) + 7609) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 7 x^3 - 4 f(x) x - 28 x^2 + f(x) - 7 x)$$

Sequence: A244728
Score: 10.5888
Type of gen. func.: ogf

$$\frac{9 x (x^2 + 4 x + 1)}{(x - 1)^4}$$

Sequence: A244728
Score: 12.0549
Type of gen. func.: lgdogf

$$-\frac{2 x^{2} + 14 x + 8}{x^{3} + 3 x^{2} - 3 x - 1}$$

Sequence: A244728
Score: 3.93754
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-2 + 3 n) a(n + 3) + (-17 - 3 n) a(n + 2)$$

$$+ (-2 - n) a(n + 1), a(0) = 0, a(1) = 9, a(2) = 72, a(3) = 243\}$$

Sequence: A244728
Score: 5.4795
Type of gen. func.: ogf

$$-(220 f(x) + 3261)$$

$$(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 9 x^{3} - 4 f(x) x - 36 x^{2} + f(x) - 9 x)$$

Sequence: A244729
Score: 10.4527
Type of gen. func.: ogf

$$\frac{10 x (x^{2} + 4 x + 1)}{(x - 1)^{4}}$$

Sequence: A244729
Score: 12.2216
Type of gen. func.: lgdogf

$$-\frac{2 x^{2} + 14 x + 8}{{}^{3} \qquad {}^{2}}$$

$$x + 3 x - 3 x - 1$$

Sequence: A244729
Score: 3.97201
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-2 + 3 n) a(n + 3) + (-17 - 3 n) a(n + 2)$$
$$+ (-2 - n) a(n + 1), a(0) = 0, a(1) = 10, a(2) = 80, a(3) = 270\}$$

Sequence: A244729
Score: 5.51668
Type of gen. func.: ogf

$$-(66 f(x) + 1087)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 10 x^3 - 4 f(x) x - 40 x^2 + f(x) - 10 x)$$

Sequence: A244730
Score: 10.2043
Type of gen. func.: lgdogf

$$- \frac{2 x^3 + 36 x^2 + 66 x + 16}{x^4 + 10 x^3 - 10 x - 1}$$

Sequence: A244730
Score: 4.36518
Type of gen. func.: ogf

$$\{(-4 n^2 - 17 n - 18) a(n + 1) + (8 n^2 + 32 n + 72) a(n + 2)$$
$$+ (-4 n^2 - 15 n - 14) a(n + 3), a(0) = 0, a(1) = 2, a(2) = 32\}$$

Sequence: A244730
Score: 8.44873
Type of gen. func.: ogf

$$- \frac{2 x (x + 1) (x^2 + 10 x + 1)}{}$$

$$(x - 1)^{5}$$

Sequence: A244749
Score: 10.3943
Type of gen. func.: ogf

$$\frac{7 x^{5} + 14 x^{4} + 6 x^{3} - 5 x^{2} - 7 x - 2}{(x + 1) (3 x^{2} - 1)}$$

Sequence: A244750
Score: 3.39516
Type of gen. func.: ogf

$$-f(x) (-2 x^{3} + 2 f(x) x - x^{2} - f(x) + 2 x)$$

Sequence: A244750
Score: 5.19667
Type of gen. func.: ogf

$$\frac{x (2 x^{2} + x - 2)}{2 x - 1}$$

Sequence: A244762
Score: 11.4745
Type of gen. func.: lgdogf

$$- \frac{6 x^{3} - 6 x^{2} + 7 x - 3}{6 x^{4} - 14 x^{3} + 13 x^{2} - 6 x + 1}$$

Sequence: A244762
Score: 15.4248
Type of gen. func.: ogf

$$- \frac{2 x^{2} - 2 x + 1}{}$$

$$(3x - 1)(x - 1)^2$$

Sequence: A244762
Score: 8.25362
Type of gen. func.: ogf

$$(169 f(x) - 17)(3 f(x) x^3 - 7 f(x) x^2 + 5 f(x) x + 2 x^2 - f(x) - 2 x + 1)$$

Sequence: A244762
Score: 8.32666
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 7 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 3, a(2) = 10\}$$

Sequence: A244802
Score: 13.7020
Type of gen. func.: lgdogf

$$- \frac{-16 x^2 - 46 x - 10}{-16 x^3 + 9 x^2 + 6 x + 1}$$

Sequence: A244802
Score: 15.0280
Type of gen. func.: ogf

$$- \frac{16 x^2 + 7 x + 1}{(x - 1)^3}$$

Sequence: A244802
Score: 7.7003
Type of gen. func.: ogf

$$(59456 f(x) - 442355)(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 16 x^2 - f(x) + 7 x + 1)$$

Sequence: A244802
Score: 8.17312
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 1,\ a(1) = 10,\ a(2) = 43\}$$

Sequence: A244803
Score: 13.7020
Type of gen. func.: lgdogf

$$-\frac{14\,x^{2} + 46\,x + 12}{14\,x^{3} - 5\,x^{2} - 8\,x - 1}$$

Sequence: A244803
Score: 15.0280
Type of gen. func.: ogf

$$-\frac{(2\,x + 1)\,(7\,x + 1)}{(x - 1)^{3}}$$

Sequence: A244803
Score: 7.45389
Type of gen. func.: ogf

$$(1785024\,f(x) - 13624019)$$

$$(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x + 14\,x^{2} - f(x) + 9\,x + 1)$$

Sequence: A244803
Score: 8.17312
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 1,\ a(1) = 12,\ a(2) = 47\}$$

Sequence: A244804
Score: 13.5034
Type of gen. func.: lgdogf

$$-\frac{12 x^2 + 46 x + 14}{12 x^3 - x^2 - 10 x - 1}$$

Sequence: A244804
Score: 14.7895
Type of gen. func.: ogf

$$-\frac{12 x^2 + 11 x + 1}{(x - 1)^3}$$

Sequence: A244804
Score: 7.39473
Type of gen. func.: ogf

(1978560 f(x) - 15776341)

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 12 x^2 - f(x) + 11 x + 1)$$

Sequence: A244804
Score: 8.17312
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 14, a(2) = 51}

Sequence: A244805
Score: 13.5592
Type of gen. func.: lgdogf

$$-\frac{10 x^2 + 46 x + 16}{10 x^3 + 3 x^2 - 12 x - 1}$$

Sequence: A244805
Score: 14.8506
Type of gen. func.: ogf

2

$$-\frac{10 x + 13 x + 1}{(x - 1)^3}$$

Sequence: A244805
Score: 7.66874
Type of gen. func.: ogf

$$(80960 f(x) - 686981)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 10 x^2 - f(x) + 13 x + 1)$$

Sequence: A244805
Score: 8.20689
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 16, a(2) = 55\}$$

Sequence: A244806
Score: 13.9640
Type of gen. func.: lgdogf

$$-\frac{8 x^2 + 46 x + 18}{8 x^3 + 7 x^2 - 14 x - 1}$$

Sequence: A244806
Score: 15.0901
Type of gen. func.: ogf

$$-\frac{8 x^2 + 15 x + 1}{(x - 1)^3}$$

Sequence: A244806
Score: 7.60639
Type of gen. func.: ogf

$$(343872 f(x) - 3160367)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 8 x^2 - f(x) + 15 x + 1)$$

Sequence: A244806
Score: 8.20689
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 18, a(2) = 59\}$$

Sequence: A244842
Score: 12.0859
Type of gen. func.: ogf

$$- \frac{99 x}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A244842
Score: 5.26323
Type of gen. func.: ogf

$$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 0, a(1) = 99,$$
$$a(2) = 10989\}$$

Sequence: A244842
Score: 5.93309
Type of gen. func.: ogf

$$(37 f(x) + 33) (1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - f(x) + 99 x)$$

Sequence: A244842
Score: 8.15800
Type of gen. func.: lgdogf

$$- \frac{3000 x^2 - 2220 x + 111}{1000 x^3 - 1110 x^2 + 111 x - 1}$$

Sequence: A244845
Score: 3.38452
Type of gen. func.: ogf

$$-(596454545356536051 f(x) - 59536339247131523900) (1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 89000 x^2 - f(x) + 88790 x + 111)$$

Sequence: A244845
Score: 4.26854
Type of gen. func.: ogf

$$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 111, a(1) = 101111, a(2) = 11011111\}$$

Sequence: A244845
Score: 7.24030
Type of gen. func.: ogf

$$\frac{89000 x^2 - 88790 x - 111}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A244855
Score: 8.33756
Type of gen. func.: ogf

$$\frac{x^2 (x^2 - 5 x - 15)}{(x - 1) (x^2 + 3 x + 1) (x^2 - 7 x + 1)}$$

Sequence: A244864
Score: 12.0768
Type of gen. func.: lgdogf

$$-\frac{3 x^3 + 19 x^2 + 28 x + 10}{x^4 + 3 x^3 - 3 x - 1}$$

Sequence: A244864
Score: 5.03200
Type of gen. func.: ogf

$$\{(n^2 + 3 n - 4) a(n + 1) + (-2 n^2 - 14 n - 80) a(n + 2) + (n^2 + 11 n + 24) a(n + 3), a(0) = 1, a(1) = 10, a(2) = 49\}$$

Sequence: A244864
Score: 9.43500
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 3 x + 1)}{(x - 1)^6}$$

Sequence: A244865
Score: 3.88466
Type of gen. func.: ogf

$$\{(n^2 + 8 n + 15) a(n + 1) + (-n^2 - 10 n - 66) a(n + 2) + (-n^2 - 8 n - 57) a(n + 3) + (n^2 + 10 n + 24) a(n + 4), a(0) = 1, a(1) = 14, a(2) = 85, a(3) = 336\}$$

Sequence: A244865
Score: 8.11007
Type of gen. func.: ogf

$$-\frac{x^4 + 8 x^3 + 15 x^2 + 8 x + 1}{(x + 1) (x - 1)^7}$$

Sequence: A244865
Score: 8.18184
Type of gen. func.: lgdogf

$$-\frac{4 x^5 + 46 x^4 + 142 x^3 + 170 x^2 + 86 x + 14}{{}^{6} \quad {}^{5} \quad {}^{4} \quad {}^{2}}$$

$$x + 8 x + 14 x - 14 x - 8 x - 1$$

Sequence: A244866
Score: 10.7913
Type of gen. func.: lgdogf

$$- \frac{12 x^{3} + 96 x^{2} + 102 x + 18}{4 x^{4} + 17 x^{3} - 9 x^{2} - 11 x - 1}$$

Sequence: A244866
Score: 4.78999
Type of gen. func.: ogf

$$\{(-353 n^{2} - 2761 n - 5396) a(n + 1) + (288 n^{2} + 324 n - 900) a(n + 2)$$
$$+ (65 n^{2} + 347 n + 456) a(n + 3), a(0) = 1, a(1) = 18, a(2) = 114\}$$

Sequence: A244866
Score: 9.57999
Type of gen. func.: ogf

$$\frac{4 x^{3} + 21 x^{2} + 12 x + 1}{(x - 1)^{6}}$$

Sequence: A244867
Score: 7.23646
Type of gen. func.: ogf

$$\frac{6 x^{4} + 64 x^{3} + 92 x^{2} + 24 x + 1}{(x - 1)^{8}}$$

Sequence: A244867
Score: 8.37554
Type of gen. func.: lgdogf

$$- \frac{-24 x^4 - 344 x^3 - 744 x^2 - 352 x - 32}{-6 x^5 - 58 x^4 - 28 x^3 + 68 x^2 + 23 x + 1}$$

Sequence: A244868
Score: 8.70762
Type of gen. func.: ogf

$$\frac{(x^2 + 3 x + 1) (x^2 + 13 x + 1)}{(x - 1)^6}$$

Sequence: A244868
Score: 8.78976
Type of gen. func.: lgdogf

$$- \frac{-2 x^4 - 52 x^3 - 212 x^2 - 162 x - 22}{-x^5 - 15 x^4 - 25 x^3 + 25 x^2 + 15 x + 1}$$

Sequence: A244869
Score: 8.46988
Type of gen. func.: ogf

$$\frac{x^4 + 4 x^3 + 7 x^2 + 4 x + 1}{(x + 1) (x - 1)^6}$$

Sequence: A244869
Score: 8.54831
Type of gen. func.: lgdogf

$$- \frac{3 x^5 + 21 x^4 + 59 x^3 + 71 x^2 + 41 x + 9}{x^6 + 4 x^5 + 6 x^4 - 6 x^2 - 4 x - 1}$$

Sequence: A244870

Score: 7.11070
Type of gen. func.: ogf

$$\frac{x^4 + 3 x^3 + 6 x^2 + 3 x + 1}{(x + 1) (x - 1)^6}$$

Sequence: A244870
Score: 7.17654
Type of gen. func.: lgdogf

$$-\frac{3 x^5 + 17 x^4 + 49 x^3 + 57 x^2 + 34 x + 8}{x^6 + 3 x^5 + 5 x^4 - 5 x^2 - 3 x - 1}$$

Sequence: A244871
Score: 6.07855
Type of gen. func.: ogf

$$-\frac{(x^2 + 3 x + 1) (x^4 + 2 x^3 + 6 x^2 + 2 x + 1)}{(x + 1)^2 (x - 1)^7}$$

Sequence: A244872
Score: 5.37992
Type of gen. func.: ogf

$$\frac{x^6 + 8 x^5 + 29 x^4 + 43 x^3 + 29 x^2 + 8 x + 1}{(x + 1) (x - 1)^8}$$

Sequence: A244873
Score: 5.56085
Type of gen. func.: ogf

$$\frac{x^6 + 22 x^5 + 106 x^4 + 169 x^3 + 106 x^2 + 22 x + 1}{(x + 1) (x - 1)^8}$$

Sequence: A244874
Score: 5.39950
Type of gen. func.: ogf

$$\frac{x^6 + 10 x^5 + 38 x^4 + 60 x^3 + 38 x^2 + 10 x + 1}{(x + 1) (x - 1)^8}$$

Sequence: A244875
Score: 5.21368
Type of gen. func.: ogf

$$\frac{x^6 + 14 x^5 + 52 x^4 + 77 x^3 + 52 x^2 + 14 x + 1}{(x + 1) (x - 1)^8}$$

Sequence: A244876
Score: 4.34246
Type of gen. func.: ogf

$$\frac{x^8 + 13 x^7 + 71 x^6 + 174 x^5 + 238 x^4 + 174 x^3 + 71 x^2 + 13 x + 1}{(x + 1)^3 (x - 1)^8}$$

Sequence: A244878
Score: 4.96175
Type of gen. func.: ogf

$$\frac{x^6 + 6 x^5 + 30 x^4 + 40 x^3 + 30 x^2 + 6 x + 1}{(x + 1) (x - 1)^{10}}$$

Sequence: A244879
Score: 6.90160
Type of gen. func.: ogf

$$- \frac{x^4 + 11 x^3 + 24 x^2 + 11 x + 1}{}$$

$$(x-1)^{7}$$

Sequence: A244879
Score: 7.55270
Type of gen. func.: lgdogf

$$-\frac{-3x^{4}-48x^{3}-153x^{2}-114x-18}{-x^{5}-10x^{4}-13x^{3}+13x^{2}+10x+1}$$

Sequence: A244880
Score: 5.44773
Type of gen. func.: ogf

$$-\frac{(x^{2}+6x+1)(x^{4}+32x^{3}+70x^{2}+32x+1)}{(x-1)^{9}}$$

Sequence: A244881
Score: 5.74422
Type of gen. func.: ogf

$$\frac{(x+1)(x^{4}+25x^{3}+84x^{2}+25x+1)}{(x-1)^{8}}$$

Sequence: A244882
Score: 13.9569
Type of gen. func.: lgdogf

$$-\frac{-8x^{2}-14x-8}{-2x^{3}+x+1}$$

Sequence: A244882
Score: 4.30022
Type of gen. func.: ogf

$\{(-n - 4) a(n + 4) + (5 - n) a(n + 3) + 14 a(n + 2) + (2 n + 10) a(n + 1),$

$a(0) = 1, a(1) = 8, a(2) = 35, a(3) = 110\}$

Sequence: A244882
Score: 9.04024
Type of gen. func.: ogf

$$\frac{2 x^{2} + 2 x + 1}{(x - 1)^{6}}$$

Sequence: A244883
Score: 6.47712
Type of gen. func.: ogf

$$\frac{x^{4} + 8 x^{3} + 16 x^{2} + 6 x + 1}{(x - 1)^{8}}$$

Sequence: A244883
Score: 7.81065
Type of gen. func.: lgdogf

$$- \frac{4 x^{4} + 44 x^{3} + 120 x^{2} + 74 x + 14}{x^{5} + 7 x^{4} + 8 x^{3} - 10 x^{2} - 5 x - 1}$$

Sequence: A244884
Score: 6.14209
Type of gen. func.: ogf

$$f(x)^{2} x^{2} - 2 f(x) x^{3} + x^{4} - f(x) x^{2} + x^{3} + 2 f(x) x - x^{2} - f(x) - x + 1$$

Sequence: A244885
Score: 3.94751
Type of gen. func.: ogf

$$\{-2 a(n) n + (7 n - 1) a(n + 1) + (-5 n + 3) a(n + 2) + (n - 1) a(n + 3),\quad a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 5, a(4) = 14\}$$

Sequence: A244885
Score: 5.29075
Type of gen. func.: ogf

$$-f(x) (4 f(x) x^4 - 16 f(x) x^3 - x^4 + 17 f(x) x^2 + 8 x^3 - 7 f(x) x - 12 x^2 + f(x) + 6 x - 1)$$

Sequence: A244885
Score: 8.65760
Type of gen. func.: ogf

$$\frac{(x - 1) (x^3 - 7 x^2 + 5 x - 1)}{(x^2 - 3 x + 1) (2 x - 1)^2}$$

Sequence: A244887
Score: 6.59104
Type of gen. func.: ogf

$$\{(-4 n^2 - 42 n - 108) a(n + 1) + (n^2 + 10 n + 16) a(n + 2), a(0) = 2, a(1) = 20\}$$

Sequence: A244887
Score: 7.41492
Type of gen. func.: lgdogf

$$\frac{\left(-\frac{2 (7 x^3 + 63 x^2 - 28 x + 3)}{(4 x - 1)^{3/2}} + 6 I\right) (4 x - 1)^{1/2}}{(x^2 + 8 x - 2) x}$$

Sequence: A244892
Score: 10.3271

Type of gen. func.: ogf

$$-\frac{5 x^{4} + 2 x^{3} + 5 x^{2} + 2 x + 5}{(x - 1) (x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A244893
Score: 11.7765
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^{2} + x + 2)}{(x - 1) (x^{2} + x + 1)}$$

Sequence: A244893
Score: 6.99232
Type of gen. func.: ogf

{-a(n + 4) + a(n + 1), a(0) = 2, a(1) = 3, a(2) = 2, a(3) = 3}

Sequence: A244893
Score: 7.89722
Type of gen. func.: ogf

$$(21 f(x) - 82) (f(x) x^{3} + x^{3} + 2 x^{2} - f(x) + 3 x + 2)$$

Sequence: A244895
Score: 21.0563
Type of gen. func.: ogf_with_Euler_transform]

$$[x^{4} - 2 x + 1]$$

Sequence: A244895
Score: 5.51781
Type of gen. func.: ogf

$$f(x) x^{4} + f(x) x^{3} + f(x) x^{2} - x^{3} + f(x) x - 2 x^{2} + f(x) - x$$

Sequence: A244895
Score: 8.39010
Type of gen. func.: ogf

$$\frac{x (x + 1)^2}{x^4 + x^3 + x^2 + x + 1}$$

Sequence: A244919
Score: 13.9704
Type of gen. func.: ogf

$$-f(x) x + f(x) - x - 2$$

Sequence: A244919
Score: 16.9911
Type of gen. func.: ogf

$$-\frac{x + 2}{x - 1}$$

Sequence: A244919
Score: 17.4631
Type of gen. func.: lgdogf

$$-\frac{3}{x^2 + x - 2}$$

Sequence: A244919
Score: 8.73153
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1), a(0) = 2, a(1) = 3\}$$

Sequence: A244953
Score: 12.5045
Type of gen. func.: ogf

$$\frac{x (x^2 + 2 x + 3)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A244975
Score: 10.9742
Type of gen. func.: lgdogf

$$- \frac{28 x^2 + 19 x - 11}{14 x^3 - 9 x^2 - 6 x + 1}$$

Sequence: A244975
Score: 12.8663
Type of gen. func.: ogf

$$- \frac{(2 x + 1) x}{(7 x - 1) (x - 1)^2}$$

Sequence: A244975
Score: 6.60396
Type of gen. func.: ogf

$\{a(n + 3) - 9 a(n + 2) + 15 a(n + 1) - 7 a(n), a(0) = 0, a(1) = 1, a(2) = 11\}$

Sequence: A244975
Score: 6.84631
Type of gen. func.: ogf

$$(11 f(x) + 1) (7 f(x) x^3 - 15 f(x) x^2 + 9 f(x) x + 2 x^2 - f(x) + x)$$

Sequence: A245019
Score: 13.3945
Type of gen. func.: ogf

$$- \frac{2 x}{}$$

$$(4 x - 1) (3 x - 1) (5 x - 1)$$

Sequence: A245019
Score: 5.59075
Type of gen. func.: ogf

$\{a(n + 3) - 12 a(n + 2) + 47 a(n + 1) - 60 a(n), a(0) = 0, a(1) = 2, a(2) = 24\}$

Sequence: A245019
Score: 6.3033
Type of gen. func.: ogf

$$(6 f(x) + 1) (60 f(x) x^3 - 47 f(x) x^2 + 12 f(x) x - f(x) + 2 x)$$

Sequence: A245019
Score: 9.05544
Type of gen. func.: lgdogf

$$- \frac{180 x^2 - 94 x + 12}{60 x^3 - 47 x^2 + 12 x - 1}$$

Sequence: A245020
Score: 14.3197
Type of gen. func.: ogf

$$- \frac{2 x}{(6 x - 1) (4 x - 1) (5 x - 1)}$$

Sequence: A245020
Score: 6.04884
Type of gen. func.: ogf

$\{a(n + 3) - 15 a(n + 2) + 74 a(n + 1) - 120 a(n), a(0) = 0, a(1) = 2, a(2) = 30$

$\}$

Sequence: A245020

Score: 6.74679
Type of gen. func.: ogf

$$(15 f(x) + 2) (120 f(x) x^{3} - 74 f(x) x^{2} + 15 f(x) x - f(x) + 2 x)$$

Sequence: A245020
Score: 9.61186
Type of gen. func.: lgdogf

$$- \frac{360 x^{2} - 148 x + 15}{120 x^{3} - 74 x^{2} + 15 x - 1}$$

Sequence: A245023
Score: 15.2383
Type of gen. func.: ogf

$$- \frac{3 (8 x^{2} - 5 x + 1)}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A245023
Score: 8.1271
Type of gen. func.: ogf

$$-(10 f(x) - 21) (6 f(x) x^{3} - 11 f(x) x^{2} + 6 f(x) x + 24 x^{2} - f(x) - 15 x + 3)$$

Sequence: A245023
Score: 8.63056
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 11 a(n + 1) + 6 a(n), a(0) = 3, a(1) = 3, a(2) = 9\}$$

Sequence: A245023
Score: 9.20050
Type of gen. func.: lgdogf

```
                4        3        2
           48 x  - 60 x  + 25 x  - 6 x + 1
     - ------------------------------------------
```

$$48 x^5 - 118 x^4 + 109 x^3 - 49 x^2 + 11 x - 1$$

Sequence: A245031
Score: 7.59631
Type of gen. func.: ogf

$$- \frac{x (x^2 + 20 x + 1)}{(x - 1) (x^2 - 10 x + 1) (x^2 + 10 x + 1)}$$

Sequence: A245032
Score: 5.32922
Type of gen. func.: ogf

$$(16896 f(x) - 2167505) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 49 x^3 - 4 f(x) x - 124 x^2 + f(x) + 257 x - 108)$$

Sequence: A245032
Score: 8.63894
Type of gen. func.: lgdogf

$$- \frac{49 x^3 + 395 x^2 - 523 x + 175}{49 x^4 + 75 x^3 - 381 x^2 + 365 x - 108}$$

Sequence: A245032
Score: 9.77023
Type of gen. func.: ogf

$$\frac{49 x^3 + 124 x^2 - 257 x + 108}{(x - 1)^4}$$

Sequence: A245033
Score: 4.89899
Type of gen. func.: ogf

$$(3481600 f(x) - 969291273) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 108 x^3 - 4 f(x) x + 257 x^2 + f(x) - 124 x - 49)$$

Sequence: A245033
Score: 8.06292
Type of gen. func.: lgdogf

$$- \frac{-108 x^3 + 190 x^2 + 142 x - 320}{-108 x^4 + 365 x^3 - 381 x^2 + 75 x + 49}$$

Sequence: A245033
Score: 9.21476
Type of gen. func.: ogf

$$\frac{108 x^3 - 257 x^2 + 124 x + 49}{(x - 1)^4}$$

Sequence: A245066
Score: 11.3471
Type of gen. func.: egf]

$$\mathrm{hypergeom}([1/3, 2/3], [1], \frac{27 x}{2})$$

Sequence: A245066
Score: 5.32819
Type of gen. func.: ogf

$$\{(-27 n^2 - 81 n - 60) a(n + 1) + (2 n + 4) a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A245070
Score: 6.28638
Type of gen. func.: ogf

$$-(2x^{11}+2x^{10}+3x^{9}+2x^{8}+2x^{7}+4x^{6}+2x^{5}+2x^{4}+3x^{3}+2x^{2}+2x+3)\Big/\left((x-1)(x+1)(x^{2}+x+1)(x^{2}-x+1)(x^{2}+1)(x^{4}-x^{2}+1)\right)$$

Sequence: A245086
Score: 4.91829
Type of gen. func.: ogf

$$\{(-27n^{2}-108n-105)a(n+1)+(-n^{2}-6n-9)a(n+3),\ a(0)=1,\ a(1)=0,\ a(2)=-6\}$$

Sequence: A245094
Score: 8.25946
Type of gen. func.: ogf

$$\frac{2x^{8}-4x^{7}-x^{6}+3x^{5}+3x^{4}+3x^{3}+x^{2}+x+1}{(x+1)(x-1)^{2}}$$

Sequence: A245112
Score: 11.2455
Type of gen. func.: revogf

$$\frac{x\,2^{1/2}\,(1+(1-16x)^{1/2})^{1/2}}{2}$$

Sequence: A245112
Score: 3.63661
Type of gen. func.: ogf

$$\{(-12500n^{4}-100000n^{3}-290000n^{2}-360000n-161280)a(n+1)+(27n^{4}+297n^{3}+1212n^{2}+2172n+1440)a(n+3),\ a(0)=1,\ a(1)=2,\ a(2)=18\}$$

Sequence: A245113
Score: 5.11037
Type of gen. func.: ogf

$$\{(-432 n^3 - 1944 n^2 - 2868 n - 1386) a(n + 1) + (16 n^3 + 96 n^2 + 191 n + 126) a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A245135
Score: 5.62377
Type of gen. func.: ogf

$$- \frac{x^7 - 2 x^6 - x^5 + 12 x^4 + 21 x^3 + 18 x^2 + 23 x + 8}{(x + 1)^3 (x - 1)^5}$$

Sequence: A245158
Score: 6.14225
Type of gen. func.: ogf

$$\frac{11 x^5 - 31 x^4 + 43 x^3 - 29 x^2 + 9 x - 1}{(4 x - 1) (2 x - 1)^2 (x - 1)^2}$$

Sequence: A245159
Score: 4.03190
Type of gen. func.: ogf

$$\frac{124 x^7 - 425 x^6 + 710 x^5 - 656 x^4 + 346 x^3 - 103 x^2 + 16 x - 1}{(5 x - 1) (x - 1)^2 (3 x - 1)^2 (2 x - 1)^2}$$

Sequence: A245176
Score: 4.77480
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 1) + (n + 2) a(n + 2) - a(n + 4) + 2 a(n + 3), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8\}$$

Sequence: A245179
Score: 12.1938
Type of gen. func.: ogf

$$-\frac{14 x^3 + 8 x^2 - 11 x - 7}{(x - 1) (x + 1) (2 x^2 - 1)}$$

Sequence: A245179
Score: 7.49528
Type of gen. func.: ogf

$$-(42 f(x) - 53) (2 f(x) x^4 - 3 f(x) x^2 + 14 x^3 + 8 x^2 + f(x) - 11 x - 7)$$

Sequence: A245231
Score: 10.6614
Type of gen. func.: ogf

$$\frac{x (2 x^6 + x^5 + 2 x^4 + x^3 + x^2 + x + 2)}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A245288
Score: 10.0827
Type of gen. func.: lgdogf

$$-\frac{-8 x^3 - 5 x^2 - 10 x - 1}{-2 x^4 - x^3 + x^2 + x + 1}$$

Sequence: A245288
Score: 11.1876
Type of gen. func.: ogf

$$-\frac{x^2 (2 x^2 + x + 1)}{(x - 1)^3 (x + 1)^3}$$

Sequence: A245301
Score: 12.5931
Type of gen. func.: ogf

$$\frac{x (2 x + 5)}{(x - 1)^4}$$

Sequence: A245301
Score: 16.7051
Type of gen. func.: lgdogf

$$- \frac{6 x + 22}{2 x^2 + 3 x - 5}$$

Sequence: A245301
Score: 5.38520
Type of gen. func.: ogf

$$\{(10 + 5 n) a(n + 3) + (-25 - 3 n) a(n + 2) + (-6 - 2 n) a(n + 1), a(0) = 0, a(1) = 5, a(2) = 22\}$$

Sequence: A245301
Score: 5.97481
Type of gen. func.: ogf

$$(1231370 f(x) + 4085371) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 2 x^2 + f(x) - 5 x)$$

Sequence: A245306
Score: 11.1978
Type of gen. func.: ogf

$$- \frac{2 x^3 - 4 x^2 - x + 1}{(x^2 - 3 x + 1) (x - 1) (x + 1)}$$

Sequence: A245306
Score: 6.28168
Type of gen. func.: ogf

$$(174 f(x) + 157) (f(x) x^4 - 3 f(x) x^3 + 2 x^3 + 3 f(x) x - 4 x^2 - f(x) - x + 1)$$

Sequence: A245323
Score: 5.38479
Type of gen. func.: ogf

$$\frac{2 (51 x^4 - 622 x^3 + 148 x^2 - 59 x + 2)}{(x^2 - 18 x + 1) (x^2 - 7 x + 1) (x^2 - 47 x + 1)}$$

Sequence: A245332
Score: 7.97897
Type of gen. func.: ogf

$$\frac{x^5 (x^2 + 2 x + 2)}{(x - 1) (x + 1) (x^2 + x + 1) (x^3 + x^2 - 1)}$$

Sequence: A245336
Score: 4.42368
Type of gen. func.: ogf

$$x (x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 1) / ((x + 1)^2 (x^2 + 1)^2 (x^4 + 1)^2 (x - 1)^3)$$

Sequence: A245367
Score: 13.7933
Type of gen. func.: lgdogf

```
     6     4     2
  7 x  + 5 x  + 3 x
- -----------------
     7    5    3
```

$$x + x + x - 1$$

Sequence: A245367
Score: 25.5680
Type of gen. func.: ogf

$$-\frac{1}{x^7 + x^5 + x^3 - 1}$$

Sequence: A245368
Score: 10.7093
Type of gen. func.: lgdogf

$$-\frac{-7 x^6 - 4 x^3 - 3 x^2}{-x^7 - x^4 - x^3 + 1}$$

Sequence: A245368
Score: 19.8514
Type of gen. func.: ogf

$$-\frac{1}{x^7 + x^4 + x^3 - 1}$$

Sequence: A245369
Score: 14.0088
Type of gen. func.: lgdogf

$$-\frac{-8 x^7 - 5 x^4 - 3 x^2}{-x^8 - x^5 - x^3 + 1}$$

Sequence: A245369
Score: 23.6593
Type of gen. func.: ogf

$$-\frac{1}{}$$

$$(x^2 + 1) (x^6 - x^4 + x^3 + x^2 - 1)$$

Sequence: A245370
Score: 14.2808
Type of gen. func.: lgdogf

$$-\frac{9 x^8 + 5 x^4 + 3 x^2}{x^9 + x^5 + x^3 - 1}$$

Sequence: A245370
Score: 26.4717
Type of gen. func.: ogf

$$-\frac{1}{x^9 + x^5 + x^3 - 1}$$

Sequence: A245380
Score: 4.45555
Type of gen. func.: ogf

$$\{(-n^2 - 4 n - 4) a(n + 1) + (2 n^2 + 8 n + 28) a(n + 2)$$

$$+ (-n^2 - 4 n - 4) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 22\}$$

Sequence: A245380
Score: 7.02452
Type of gen. func.: ogf

$$\frac{x (x^4 + 16 x^3 + 36 x^2 + 16 x + 1)}{(x - 1)^6}$$

Sequence: A245380
Score: 7.35587
Type of gen. func.: lgdogf

$$-\frac{-2 x^4 - 52 x^3 - 192 x^2 - 152 x - 22}{-x^5 - 15 x^4 - 20 x^3 + 20 x^2 + 15 x + 1}$$

Sequence: A245391
Score: 6.08074
Type of gen. func.: ogf

$$\{(-8 n^2 - 44 n - 60) a(n + 1) + (n^2 + 6 n + 8) a(n + 2), a(0) = 1, a(1) = 8\}$$

Sequence: A245391
Score: 9.5109
Type of gen. func.: ogf

$$32 f(x)^2 x^3 - 4 f(x)^2 x^2 + 8 f(x) x - f(x) + 1$$

Sequence: A245391
Score: 9.89133
Type of gen. func.: lgdogf

$$\frac{-\frac{12 x - 1}{(8 x - 1)^{1/2}} + I}{(8 x - 1)^{1/2} x}$$

Sequence: A245421
Score: 11.1818
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^4 + x^3 - x + 2}{-x^6 - x^3 - 1}$$

Sequence: A245424
Score: 11.1818
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^4 + x^3 - x - 1}{x^6 + x^3 + 1}$$

Sequence: A245432
Score: 9.96496
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^4 - 2 x^3 + 2 x - 1}{x^6 + x^4 + x^2 + 1}$$

Sequence: A245433
Score: 9.71640
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^4 - x^3 + x - 1}{x^6 + x^4 + x^2 + 1}$$

Sequence: A245436
Score: 15.8330
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^2 + 2}{-x^4 - 1}$$

Sequence: A245437
Score: 10.0450
Type of gen. func.: lgdogf

$$-\frac{6 x^5 - 4 x^3 - 2 x - 1}{x^6 - x^4 - x^2 - x + 1}$$

Sequence: A245437

Score: 16.4000
Type of gen. func.: ogf

$$\frac{x^5}{x^6 - x^4 - x^2 - x + 1}$$

Sequence: A245455
Score: 7.40635
Type of gen. func.: ogf

$$3 f(x)^2 x - 6 f(x) x^2 + 4 x^3 - f(x)^2 - f(x) x + 4 x^2 + f(x) + x$$

Sequence: A245467
Score: 10.0827
Type of gen. func.: lgdogf

$$-\frac{3 x^4 + 13 x^2 + 6 x + 2}{x^5 + x^3 + x^2 - 2 x - 1}$$

Sequence: A245467
Score: 11.1876
Type of gen. func.: ogf

$$-\frac{x^2 (x^3 + 2 x + 1)}{(x - 1)^3 (x + 1)^3}$$

Sequence: A245477
Score: 10.8283
Type of gen. func.: ogf

$$-\frac{2 x^5 + x^4 + x^3 + x^2 + x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A245478
Score: 10.8649
Type of gen. func.: ogf

$$\{a(n+3) - 5\,a(n),\ a(0) = 1,\ a(1) = 2,\ a(2) = 4\}$$

Sequence: A245478
Score: 11.0098
Type of gen. func.: ogf

$$(5\,f(x) - 1)\,(5\,f(x)\,x^3 + 4\,x^2 - f(x) + 2\,x + 1)$$

Sequence: A245478
Score: 16.8517
Type of gen. func.: ogf

$$-\frac{4\,x^2 + 2\,x + 1}{5\,x^3 - 1}$$

Sequence: A245478
Score: 8.17557
Type of gen. func.: lgdogf

$$-\frac{-20\,x^4 - 20\,x^3 - 15\,x^2 - 8\,x - 2}{-20\,x^5 - 10\,x^4 - 5\,x^3 + 4\,x^2 + 2\,x + 1}$$

Sequence: A245479
Score: 14.2686
Type of gen. func.: ogf

$$-\frac{(2\,x + 1)\,(3\,x^2 + 1)}{7\,x^4 - 1}$$

Sequence: A245479
Score: 8.93748
Type of gen. func.: ogf

$$-(448 f(x) - 169) (7 f(x) x^4 + 6 x^3 + 3 x^2 - f(x) + 2 x + 1)$$

Sequence: A245480
Score: 13.9089
Type of gen. func.: ogf

$$-\frac{(2 x + 1) (5 x^2 + 1)}{11 x^4 - 1}$$

Sequence: A245480
Score: 9.11806
Type of gen. func.: ogf

$$(2024 f(x) - 481) (11 f(x) x^4 + 10 x^3 + 5 x^2 - f(x) + 2 x + 1)$$

Sequence: A245481
Score: 10.9427
Type of gen. func.: ogf

$$-\frac{12 x^5 + 6 x^4 + 4 x^3 + 3 x^2 + 2 x + 1}{13 x^6 - 1}$$

Sequence: A245487
Score: 5.81001
Type of gen. func.: ogf

$$\frac{x^7 (x^3 + 2 x^2 + 2 x + 2)}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1) (x^4 + x^3 - 1)}$$

Sequence: A245489
Score: 12.0176
Type of gen. func.: ogf

$$-\frac{2 x^2 + 2 x - 1}{(2 x + 1) (4 x - 1) (x - 1)}$$

Sequence: A245489
Score: 6.26557
Type of gen. func.: ogf

$$-(41 f(x) - 11) (8 f(x) x^3 - 6 f(x) x^2 - 3 f(x) x + 2 x^2 + f(x) + 2 x - 1)$$

Sequence: A245489
Score: 6.54529
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + 6 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 1, a(2) = 7\}$$

Sequence: A245489
Score: 7.25814
Type of gen. func.: lgdogf

$$-\frac{-16 x^4 - 32 x^3 + 30 x^2 - 8 x - 1}{-16 x^5 - 4 x^4 + 26 x^3 - 2 x^2 - 5 x + 1}$$

Sequence: A245492
Score: 4.77255
Type of gen. func.: ogf

$$\frac{x^8 (x^4 + x^3 + 2 x^2 + 2 x + 2)}{(x - 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^5 + x^3 - 1)}$$

Sequence: A245524
Score: 10.6691
Type of gen. func.: ogf

$$-\frac{5 x^2 + 2 x + 1}{{}^{2}\qquad\qquad{}^{3}}$$

$$(x + 1)\ (x - 1)$$

Sequence: A245524
Score: 9.89788
Type of gen. func.: lgdogf

$$-\frac{15 x^3 + 13 x^2 + 17 x + 3}{5 x^4 + 2 x^3 - 4 x^2 - 2 x - 1}$$

Sequence: A245527
Score: 4.43051
Type of gen. func.: ogf

$$\frac{x^9 (x^4 + 2 x^3 + 2 x^2 + 2 x + 2)}{(x - 1) (x + 1) (x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^5 + x^4 - 1)}$$

Sequence: A245534
Score: 9.12804
Type of gen. func.: lgdogf

$$-\frac{-4 x^4 - 5 x^3 - 23 x^2 - 11 x - 5}{-2 x^5 - x^4 - 2 x^3 + 4 x + 1}$$

Sequence: A245534
Score: 9.66499
Type of gen. func.: ogf

$$-\frac{2 x^3 + x^2 + 4 x + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A245551
Score: 16.5465
Type of gen. func.: lgdogf

$$-\frac{-15 x - 5}{-3 x^2 - 2 x + 1}$$

Sequence: A245551
Score: 5.33406
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-9 - 2 n) a(n + 2) + (-18 - 3 n) a(n + 1), a(0) = 1, a(1) = 5, a(2) = 25\}$$

Sequence: A245561
Score: 10.5935
Type of gen. func.: ogf

$$-\frac{x (5 x^2 - 1)}{(5 x - 1) (x - 1) (5 x^2 - 5 x + 1)}$$

Sequence: A245561
Score: 5.41446
Type of gen. func.: ogf

$$-(18 f(x) - 53) (25 f(x) x^4 - 55 f(x) x^3 + 40 f(x) x^2 + 5 x^3 - 11 f(x) x + f(x) - x)$$

Sequence: A245573
Score: 11.6614
Type of gen. func.: ogf

$$-\frac{x (2 x^9 - x^7 - x^5 + x^4 - x^2 - 1)}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A245578
Score: 10.6243
Type of gen. func.: lgdogf

$$-\frac{-2 x^{4} + 16 x^{2} - 16 x - 10}{-7 x^{6} + 12 x^{5} + 9 x^{4} - 20 x^{3} - 3 x^{2} + 8 x + 1}$$

Sequence: A245578
Score: 13.7571
Type of gen. func.: ogf

$$-\frac{7 x^{4} - 12 x^{3} - 2 x^{2} + 8 x + 1}{(x + 1) (x - 1)^{3}}$$

Sequence: A245578
Score: 7.94856
Type of gen. func.: ogf

$-(49 f(x) + 121)$

$$(f(x) x^{4} - 2 f(x) x^{3} + 7 x^{4} - 12 x^{3} + 2 f(x) x - 2 x^{2} - f(x) + 8 x + 1)$$

Sequence: A245580
Score: 13.6716
Type of gen. func.: ogf

$$-\frac{x^{2} + 6 x + 3}{x^{2} + 4 x - 1}$$

Sequence: A245580
Score: 6.96726
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) - a(n + 1), a(0) = 3, a(1) = 18, a(2) = 76\}$$

Sequence: A245580
Score: 7.03492
Type of gen. func.: ogf

^{2} ^{2}

```
         -(1525 f(x) + 1986) (f(x) x  + 4 f(x) x + x  - f(x) + 6 x + 3)



-------------------------------------------------------------------------------

Sequence:  A245580
Score: 9.66127
Type of gen. func.: lgdogf


                                    2
                                 2 x  + 8 x + 18
                         - ----------------------------
                            4       3       2
                           x  + 10 x  + 26 x  + 6 x - 3



-------------------------------------------------------------------------------

Sequence:  A245581
Score: 11.3112
Type of gen. func.: lgdogf


                                 3      2
                             -6 x  + 6 x  - 10 x - 2
                           - -----------------------
                                 4      3
                             -3 x  + 4 x  - 4 x + 3



-------------------------------------------------------------------------------

Sequence:  A245581
Score: 12.7034
Type of gen. func.: ogf


                                      2
                                x (3 x  - 4 x + 3)
                              - ------------------
                                                3
                                 (x + 1) (x - 1)



-------------------------------------------------------------------------------

Sequence:  A245581
Score: 6.76819
Type of gen. func.: ogf


                          4           3      3                 2
  -(462 f(x) + 25) (f(x) x  - 2 f(x) x  + 3 x  + 2 f(x) x - 4 x  - f(x) + 3 x)



-------------------------------------------------------------------------------

Sequence:  A245596
Score: 9.44249
Type of gen. func.: ogf


                                    6    3
                                   x  + x  + 1
                          - -------------------------
```

$$(x^2 + x + 1)(x^4 + x - 1)$$

Sequence: A245599
Score: 8.81125
Type of gen. func.: ogf

$$(83 f(x) + 38)(8 f(x) x^2 - 9 f(x) x + f(x) - 2 x - 1)$$

Sequence: A245621
Score: 8.30956
Type of gen. func.: ogf

$$\frac{x (x^6 + x^5 + 18 x^4 + 4 x^3 + 21 x^2 + x + 2)}{(x - 1)^4 (x + 1)^4}$$

Sequence: A245624
Score: 9.06146
Type of gen. func.: ogf

$$\frac{3 x^5 + x^4 + 24 x^3 + 4 x^2 + 15 x + 1}{(x - 1)^4 (x + 1)^4}$$

Sequence: A245643
Score: 12.0578
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-5 x^2 - x - 6}{x^3 - x^2 + x - 1}$$

Sequence: A245679
Score: 8.30968
Type of gen. func.: ogf

$$x^3 (x - 3)(x^2 - x + 2)$$

$$\frac{}{(x - 1)^5}$$

Sequence: A245679
Score: 9.51108
Type of gen. func.: lgdogf

$$-\frac{-2 x^3 + 9 x^2 - 12 x + 25}{-x^4 + 5 x^3 - 9 x^2 + 11 x - 6}$$

Sequence: A245688
Score: 7.85447
Type of gen. func.: ogf

$$\frac{9297 x^9 - 24320 x^8 - 52 x^7 + 52 x^3 - 127 x^2 - 42 x + 47}{x^2 - 3 x + 1}$$

Sequence: A245734
Score: 7.89735
Type of gen. func.: revogf

$$- 1/2 - \frac{1}{2 x} + x/2 + \frac{(x^4 - 6 x^3 + 3 x^2 + 2 x + 1)^{1/2}}{2 x}$$

Sequence: A245734
Score: 7.98413
Type of gen. func.: ogf

$$-f(x)^2 x + f(x) x^2 + f(x)^2 + f(x) x - f(x) + x$$

Sequence: A245735
Score: 7.60951
Type of gen. func.: ogf

$$-f(x)^2 x^2 + f(x)^2 x - f(x) x^2 + f(x) x + f(x) - x$$

Sequence: A245738
Score: 11.7062
Type of gen. func.: lgdogf

$$-\frac{3 x^4 + 10 x^3 + 4 x^2 - 8 x - 3}{x^5 + 3 x^4 - 5 x^2 - x + 2}$$

Sequence: A245738
Score: 17.0795
Type of gen. func.: ogf

$$\frac{x + 2}{(x - 1) (x + 1) (x^2 + x - 1)}$$

Sequence: A245738
Score: 8.26867
Type of gen. func.: ogf

$$(2092 f(x) + 889) (f(x) x^4 + f(x) x^3 - 2 f(x) x^2 - f(x) x + f(x) - x - 2)$$

Sequence: A245764
Score: 8.82467
Type of gen. func.: ogf

$$-\frac{2 (x^2 + 1) (2 x^2 + x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A245766
Score: 8.64843
Type of gen. func.: ogf

$$-\frac{2 (2 x^4 + 5 x^3 - x^2 + x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A245769
Score: 12.4215
Type of gen. func.: lgdogf

$$-\frac{x^2 - 8 x - 1}{x^3 - 7 x^2 + 7 x - 1}$$

Sequence: A245769
Score: 3.99485
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-20 - 7 n) a(n + 3) + (22 + 7 n) a(n + 2)$$

$$+ (-2 - n) a(n + 1), a(0) = -1, a(1) = 1, a(2) = 7, a(3) = 25\}$$

Sequence: A245769
Score: 7.16194
Type of gen. func.: ogf

$$f(x)^2 x^4 - 4 f(x)^2 x^3 + 6 f(x)^2 x^2 - 4 f(x)^2 x + f(x)^2 - x^2 + 6 x - 1$$

Sequence: A245783
Score: 7.37590
Type of gen. func.: ogf

$$-\frac{6 x^4 + 11 x^3 - 43 x^2 + x + 1}{(x - 1) (x^2 - 10 x + 1) (x^2 + 10 x + 1)}$$

Sequence: A245799
Score: 5.17721
Type of gen. func.: ogf

$$(1025 f(x) + 3273)$$

$$(f(x) x^4 + 5 f(x) x^3 + 2 f(x) x^2 - 5 x^3 - 5 f(x) x - 6 x^2 + f(x) + 7 x - 2)$$

Sequence: A245799
Score: 9.61483
Type of gen. func.: ogf

$$\frac{(x+2)\,(5x^2-4x+1)}{(x^2+x-1)\,(x^2+4x-1)}$$

Sequence: A245804
Score: 11.8934
Type of gen. func.: lgdogf

$$-\frac{30x^2-12x}{30x^3-31x^2+10x-1}$$

Sequence: A245804
Score: 12.271
Type of gen. func.: ogf

$$6 f(x) x^2 - 5 f(x) x + f(x) - 5 x + 1$$

Sequence: A245804
Score: 17.1793
Type of gen. func.: ogf

$$\frac{5x-1}{(2x-1)\,(3x-1)}$$

Sequence: A245804
Score: 9.54407
Type of gen. func.: ogf

$$\{-a(n+2) + 5\,a(n+1) - 6\,a(n),\ a(0) = -1,\ a(1) = 0\}$$

Sequence: A245806
Score: 14.5418

Type of gen. func.: ogf

$$-\frac{13 x - 2}{(10 x - 1) (3 x - 1)}$$

Sequence: A245806
Score: 7.42559
Type of gen. func.: ogf

$$-(49 f(x) + 71) (30 f(x) x^2 - 13 f(x) x + f(x) + 13 x - 2)$$

Sequence: A245806
Score: 8.21182
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1) + 30 a(n), a(0) = 2, a(1) = 13\}$$

Sequence: A245806
Score: 9.43250
Type of gen. func.: lgdogf

$$-\frac{-390 x^2 + 120 x - 13}{-390 x^3 + 229 x^2 - 39 x + 2}$$

Sequence: A245807
Score: 14.5418
Type of gen. func.: ogf

$$-\frac{17 x - 2}{(10 x - 1) (7 x - 1)}$$

Sequence: A245807
Score: 7.42559
Type of gen. func.: ogf

$$-(9 f(x) + 271) (70 f(x) x^2 - 17 f(x) x + f(x) + 17 x - 2)$$

Sequence: A245807
Score: 8.21182
Type of gen. func.: ogf

$$\{a(n+2) - 17 a(n+1) + 70 a(n), a(0) = 2, a(1) = 17\}$$

Sequence: A245807
Score: 9.18428
Type of gen. func.: lgdogf

$$-\frac{-1190 x^2 + 280 x - 17}{-1190 x^3 + 429 x^2 - 51 x + 2}$$

Sequence: A245827
Score: 12.8584
Type of gen. func.: ogf

$$\frac{4 x^2 + 43 x + 4}{(x - 1)^4}$$

Sequence: A245827
Score: 13.0447
Type of gen. func.: lgdogf

$$-\frac{8 x^2 + 137 x + 59}{4 x^3 + 39 x^2 - 39 x - 4}$$

Sequence: A245827
Score: 4.32734
Type of gen. func.: ogf

$$\{(4 n + 16) a(n+4) + (58 + 39 n) a(n+3) + (-215 - 39 n) a(n+2) + (-12 - 4 n) a(n+1), a(0) = 4, a(1) = 59, a(2) = 216, a(3) = 526\}$$

Sequence: A245827
Score: 6.47544
Type of gen. func.: ogf

$$(11900 f(x) + 351749) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 4 x^2 + f(x) - 43 x - 4)$$

Sequence: A245828
Score: 12.1614
Type of gen. func.: lgdogf

$$-\frac{8 x^3 + 71 x^2 + 104 x + 27}{2 x^4 + 11 x^3 - 11 x - 2}$$

Sequence: A245828
Score: 5.15539
Type of gen. func.: ogf

$$\{(-7 n^2 - 51 n - 92) a(n + 1) + (14 n^2 + 84 n + 232) a(n + 2) + (-7 n^2 - 33 n - 38) a(n + 3), a(0) = 0, a(1) = 16, a(2) = 216\}$$

Sequence: A245828
Score: 8.24862
Type of gen. func.: ogf

$$-\frac{8 x (x + 1) (2 x^2 + 11 x + 2)}{(x - 1)^7}$$

Sequence: A245829
Score: 6.01707
Type of gen. func.: ogf

$$-\frac{24 x^6 - 23 x^5 - 73 x^4 + 60 x^3 + 60 x^2 - 141 x - 51}{(x + 1)^3 (x - 1)^4}$$

Sequence: A245830
Score: 3.91459
Type of gen. func.: ogf

$$(3172933632 f(x) + 186175832375)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + x^3 - 4 f(x) x - 8 x^2 + f(x) - 27 x - 54)$$

Sequence: A245830
Score: 7.15425
Type of gen. func.: lgdogf

$$- \frac{-x^3 + 13 x^2 + 97 x + 243}{-x^4 + 9 x^3 + 19 x^2 + 27 x - 54}$$

Sequence: A245830
Score: 7.87873
Type of gen. func.: ogf

$$- \frac{x^3 - 8 x^2 - 27 x - 54}{(x - 1)^4}$$

Sequence: A245831
Score: 5.49794
Type of gen. func.: ogf

$$- \frac{18 (x + 1) (3 x^4 + 167 x^3 + 740 x^2 + 167 x + 3)}{(x - 1)^7}$$

Sequence: A245832
Score: 6.63639
Type of gen. func.: ogf

$$\frac{2 (2 x^4 - 13 x^3 - 367 x^2 - 315 x - 27)}{}$$

$$(x-1)^7$$

Sequence: A245832
Score: 7.05117
Type of gen. func.: lgdogf

$$-\frac{6x^4-44x^3-1874x^2-2624x-504}{2x^5-15x^4-354x^3+52x^2+288x+27}$$

Sequence: A245833
Score: 10.7316
Type of gen. func.: lgdogf

$$-\frac{-10x^2+50x+30}{-2x^3+11x^2-6x-3}$$

Sequence: A245833
Score: 3.47501
Type of gen. func.: ogf

$$\{(-3n-12)a(n+4)+(12-6n)a(n+3)+(72+11n)a(n+2)$$
$$+(-12-2n)a(n+1),\ a(0)=54,\ a(1)=540,\ a(2)=2610,\ a(3)=8820\}$$

Sequence: A245833
Score: 7.22527
Type of gen. func.: ogf

$$\frac{18(2x^2-9x-3)}{(x-1)^7}$$

Sequence: A245834
Score: 8.75795
Type of gen. func.: lgdegf]

$$/\exp(-3x)$$

```
                   |--------- + 1| (3 exp(3 x) x + exp(3 x))
                    1 + 3 x     /



-------------------------------------------------------------------------------

Sequence:  A245835
Score: 7.99186
Type of gen. func.: lgdegf]


                  /2 exp(-3 x)
                  |----------- + 1| (3 exp(3 x) x + exp(3 x))
                    1 + 3 x      /



-------------------------------------------------------------------------------

Sequence:  A245852
Score: 3.61649
Type of gen. func.: ogf


                                     2         3        2
    (8 f(x) x - f(x) + 1) (512 f(x) x  - 3584 x  - 448 x  - f(x) + 8 x + 1)



-------------------------------------------------------------------------------

Sequence:  A245862
Score: 23.3898
Type of gen. func.: ogf


                                             3
                                  -(f(x) - 1)



-------------------------------------------------------------------------------

Sequence:  A245864
Score: 7.84183
Type of gen. func.: ogf


                             4       3      2
                          9 x  + 12 x  + 6 x  - 7 x - 19
                      - -----------------------------------
                                  4      3      2
                        (x - 1) (x  + 2 x  + 2 x  + x - 1)



-------------------------------------------------------------------------------

Sequence:  A245865
Score: 5.75852
Type of gen. func.: ogf


                       5        4        3       2
                   75 x  - 185 x  - 150 x  - 91 x  + 10 x + 61
                 - -------------------------------------------
                        6      5      4    3    2
                     3 x  - 8 x  - 5 x  - x  + x  + 3 x - 1
```

Sequence: A245866
Score: 4.77344
Type of gen. func.: ogf

$$-(15418573 f(x) + 131738478)$$

$$(f(x) x^3 - 4 f(x) x^2 - 2 f(x) x + 36 x^2 + f(x) - 138 x - 90)$$

Sequence: A245866
Score: 5.46701
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 90, a(1) = 318, a(2) = 960\}$$

Sequence: A245866
Score: 9.84062
Type of gen. func.: ogf

$$-\frac{6 (6 x^2 - 23 x - 15)}{x^3 - 4 x^2 - 2 x + 1}$$

Sequence: A245867
Score: 5.17686
Type of gen. func.: ogf

$$-\frac{245 x^5 - 1141 x^4 - 574 x^3 - 281 x^2 + 112 x + 127}{5 x^6 - 24 x^5 - 9 x^4 - x^3 + 3 x^2 + 3 x - 1}$$

Sequence: A245868
Score: 10.0225
Type of gen. func.: ogf

$$-\frac{8 (8 x^2 - 47 x - 21)}{x^3 - 6 x^2 - 2 x + 1}$$

Sequence: A245868
Score: 4.82834
Type of gen. func.: ogf

$$-(755118283 f(x) + 7854482440)\,(f(x) x^3 - 6 f(x) x^2 - 2 f(x) x + 64 x^2 + f(x) - 376 x - 168)$$

Sequence: A245868
Score: 5.55868
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 6 a(n + 1) - a(n),\ a(0) = 168,\ a(1) = 712,\ a(2) = 2368\}$$

Sequence: A245871
Score: 8.22312
Type of gen. func.: ogf

$$-\frac{x^4 - 3 x^3 + 15 x^2 - 15 x - 10}{(x + 1) (x - 1)^4}$$

Sequence: A245872
Score: 6.78309
Type of gen. func.: ogf

$$-\frac{x^5 - 2 x^4 + 2 x^3 - 34 x^2 - 71 x - 16}{(x + 1)^2 (x - 1)^4}$$

Sequence: A245873
Score: 5.44994
Type of gen. func.: ogf

$$-\frac{x^6 - 3 x^5 - 44 x^4 - 30 x^3 - 15 x^2 + 161 x + 26}{(x + 1)^2 (x - 1)^5}$$

Sequence: A245874
Score: 4.94720
Type of gen. func.: ogf

$$-\frac{x^7 - 2 x^6 - 121 x^5 + 10 x^4 + 371 x^3 + 574 x^2 + 469 x + 42}{(x + 1)^3 (x - 1)^5}$$

Sequence: A245875
Score: 4.52837
Type of gen. func.: ogf

$$-\frac{x^8 - 3 x^7 - 103 x^6 + 561 x^5 + 1143 x^4 - 633 x^3 - 781 x^2 - 1077 x - 68}{(x + 1)^3 (x - 1)^6}$$

Sequence: A245876
Score: 3.47310
Type of gen. func.: ogf

$$- (x^9 - 2 x^8 + 224 x^7 + 1148 x^6 + 2178 x^5 - 3456 x^4 - 8680 x^3 - 5836 x^2 - 2747 x - 110) \Big/ ((x + 1)^4 (x - 1)^6)$$

Sequence: A245906
Score: 9.89511
Type of gen. func.: ogf

$$-\frac{x^4 - 6 x^2 + 8 x + 5}{(x + 1)^2 (x - 1)^3}$$

Sequence: A245923
Score: 4.3961
Type of gen. func.: ogf

$$f(x)^2 x^4 - 28 f(x)^2 x^3 + 198 f(x)^2 x^2 + f(x) x^3 - 28 f(x)^2 x - 15 f(x) x^2$$

$$+ f(x)^2 + 15 f(x) x - f(x) + 3 x$$

Sequence: A245940
Score: 5.54614
Type of gen. func.: ogf

$$\frac{x^2 (x^4 + 55 x^3 + 204 x^2 + 143 x + 17)}{(x - 1)^8}$$

Sequence: A245941
Score: 6.07692
Type of gen. func.: ogf

$$- \frac{x^2 (4 x^4 + 257 x^3 + 973 x^2 + 627 x + 59)}{(x - 1)^7}$$

Sequence: A245945
Score: 3.94848
Type of gen. func.: ogf

$$- \frac{27 x^8 + 36 x^7 - 15 x^6 - 57 x^5 - 73 x^4 - 54 x^3 + 9 x^2 + 55 x + 71}{(x - 1) (x^8 + 2 x^7 + x^6 - x^5 - 3 x^4 - 4 x^3 - 3 x^2 - x + 1)}$$

Sequence: A245947
Score: 4.06906
Type of gen. func.: ogf

$$- \frac{6 (36 x^6 - 102 x^5 - 53 x^4 - 476 x^3 + 386 x^2 + 244 x + 139)}{x^7 - 3 x^6 - x^5 - 13 x^4 + 13 x^3 + 5 x^2 + 3 x - 1}$$

Sequence: A245949
Score: 4.00355
Type of gen. func.: ogf

$$-\frac{8\,(64 x^6 - 312 x^5 - 231 x^4 - 1244 x^3 + 1824 x^2 + 802 x + 277)}{x^7 - 5 x^6 - 3 x^5 - 19 x^4 + 31 x^3 + 9 x^2 + 3 x - 1}$$

Sequence: A245951
Score: 6.72306
Type of gen. func.: ogf

$$-\frac{x^5 - 2 x^4 - 46 x^3 - 40 x^2 - 43 x - 14}{(x + 1)^2 (x - 1)^4}$$

Sequence: A245952
Score: 5.21073
Type of gen. func.: ogf

$$-\frac{x^7 - 2 x^6 - 141 x^5 + 18 x^4 + 299 x^3 + 230 x^2 + 145 x + 26}{(x + 1)^3 (x - 1)^5}$$

Sequence: A245953
Score: 4.77584
Type of gen. func.: ogf

$$-\frac{x^8 - 3 x^7 - 7 x^6 + 557 x^5 + 851 x^4 - 1241 x^3 - 669 x^2 - 401 x - 48}{(x + 1)^3 (x - 1)^6}$$

Sequence: A245954
Score: 3.49082
Type of gen. func.: ogf

$$-(x^9 - 2 x^8 + 658 x^7 + 310 x^6 - 2708 x^5 - 8990 x^4 - 12178 x^3 - 4478 x^2 - 1325 x - 88) \Big/ \left((x + 1)^4 (x - 1)^6\right)$$

Sequence: A245961
Score: 11.2180
Type of gen. func.: ogf

$$\frac{x^4 (x - 2)}{(x^2 + x - 1)^3}$$

Sequence: A245961
Score: 11.9083
Type of gen. func.: lgdogf

$$-\frac{-5 x^2 + 10 x + 5}{-x^3 + x^2 + 3 x - 2}$$

Sequence: A245961
Score: 4.07389
Type of gen. func.: ogf

$$\{(-n^2 - 5 n - 6) a(n + 1) + (-n^2 - 3 n) a(n + 2) + (n^2 + n - 2) a(n + 3),$$

$$a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 2\}$$

Sequence: A245968
Score: 10.7549
Type of gen. func.: ogf

$$\frac{x^2 (x^2 + 1)}{(x - 1) (x^2 + x + 1) (x^2 + x - 1)}$$

Sequence: A245968
Score: 5.63351
Type of gen. func.: ogf

$$(f(x) + 5) (x^5 f(x) + f(x) x^4 - f(x) x^3 - x^4 - f(x) x^2 - f(x) x - x^2 + f(x))$$

Sequence: A245968
Score: 7.96275
Type of gen. func.: lgdogf

$$-\frac{-3x^6-2x^5-4x^4-4x^3+2x^2+4x+1}{-x^7-x^6+2x^3+x-1}$$

Sequence: A245969
Score: 5.2848
Type of gen. func.: ogf

$$(5097924 f(x)+967316609)(f(x)x^4-4f(x)x^3+6f(x)x^2+109x^3-4f(x)x-409x^2+f(x)+547x-271)$$

Sequence: A245969
Score: 8.57432
Type of gen. func.: lgdogf

$$-\frac{-109x^3+491x^2-823x+537}{-109x^4+518x^3-956x^2+818x-271}$$

Sequence: A245969
Score: 9.88568
Type of gen. func.: ogf

$$-\frac{109x^3-409x^2+547x-271}{(x-1)^4}$$

Sequence: A245989
Score: 14.5504
Type of gen. func.: ogf

$$-\frac{2(3x^2+2x+4)}{3}$$

$$x + x - 1$$

Sequence: A245989
Score: 8.03301
Type of gen. func.: lgdogf

$$-\frac{-3 x^4 - 4 x^3 - 9 x^2 - 6 x - 6}{-3 x^5 - 2 x^4 - 7 x^3 + x^2 - 2 x + 4}$$

Sequence: A245989
Score: 8.03301
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n), a(0) = 8, a(1) = 12, a(2) = 18\}$$

Sequence: A245989
Score: 8.66481
Type of gen. func.: ogf

$$-f(x) (f(x) x^3 + f(x) x + 6 x^2 - f(x) + 4 x + 8)$$

Sequence: A245990
Score: 14.1415
Type of gen. func.: ogf

$$-\frac{4 (3 x + 7)}{x^2 + 2 x - 1}$$

Sequence: A245990
Score: 7.468
Type of gen. func.: ogf

$$(12 f(x) - 47) (f(x) x^2 + 2 f(x) x - f(x) + 12 x + 28)$$

Sequence: A245990

Score: 7.91252
Type of gen. func.: ogf

$$\{a(n+2) - 2\,a(n+1) - a(n),\ a(0) = 28,\ a(1) = 68\}$$

Sequence: A245990
Score: 9.77429
Type of gen. func.: lgdogf

$$-\frac{3\,x^2 + 14\,x + 17}{3\,x^3 + 13\,x^2 + 11\,x - 7}$$

Sequence: A245991
Score: 4.32697
Type of gen. func.: ogf

$$\{-a(n+4) + 2\,a(n+3) + a(n+2) + 9\,a(n+1) + 3\,a(n),\ a(0) = 64,\ a(1) = 208,$$
$$a(2) = 676,\ a(3) = 2196\}$$

Sequence: A245991
Score: 4.41529
Type of gen. func.: ogf

$$(989\,f(x) - 5020)\,(3\,f(x)\,x^4 + 9\,f(x)\,x^3 + f(x)\,x^2 + 60\,x^3 + 2\,f(x)\,x + 196\,x^2$$
$$- f(x) + 80\,x + 64)$$

Sequence: A245991
Score: 7.91520
Type of gen. func.: ogf

$$-\frac{4\,(15\,x^3 + 49\,x^2 + 20\,x + 16)}{3\,x^4 + 9\,x^3 + x^2 + 2\,x - 1}$$

Sequence: A245992
Score: 12.1078
Type of gen. func.: ogf

$$-\frac{6\,(5\,x+21)}{x^{2}+4\,x-1}$$

Sequence: A245992
Score: 6.24916
Type of gen. func.: ogf

$$(199\,f(x)-1311)\,(f(x)\,x^{2}+4\,f(x)\,x-f(x)+30\,x+126)$$

Sequence: A245992
Score: 6.75781
Type of gen. func.: ogf

$$\{a(n+2)-4\,a(n+1)-a(n),\ a(0)=126,\ a(1)=534\}$$

Sequence: A245992
Score: 8.42278
Type of gen. func.: lgdogf

$$-\frac{-5\,x^{2}-42\,x-89}{-5\,x^{3}-41\,x^{2}-79\,x+21}$$

Sequence: A245993
Score: 3.75605
Type of gen. func.: ogf

$$(17839\,f(x)-131958)\,(5\,f(x)\,x^{4}+25\,f(x)\,x^{3}+f(x)\,x^{2}+210\,x^{3}+4\,f(x)\,x$$
$$+1086\,x^{2}-f(x)+252\,x+216)$$

Sequence: A245993
Score: 3.78028
Type of gen. func.: ogf

$$\{-a(n+4)+4\,a(n+3)+a(n+2)+25\,a(n+1)+5\,a(n),\ a(0)=216,$$
$$a(1)=1116,\ a(2)=5766,\ a(3)=29790\}$$

Sequence: A245993
Score: 6.73499
Type of gen. func.: ogf

$$-\frac{6\,(35\,x^3+181\,x^2+42\,x+36)}{5\,x^4+25\,x^3+x^2+4\,x-1}$$

Sequence: A245994
Score: 11.8626
Type of gen. func.: ogf

$$-\frac{8\,(7\,x+43)}{x^2+6\,x-1}$$

Sequence: A245994
Score: 6.12262
Type of gen. func.: ogf

$$(419\,f(x)-3686)\,(f(x)\,x^2+6\,f(x)\,x-f(x)+56\,x+344)$$

Sequence: A245994
Score: 6.54486
Type of gen. func.: ogf

$$\{a(n+2)-6\,a(n+1)-a(n),\ a(0)=344,\ a(1)=2120\}$$

Sequence: A245994
Score: 8.01976
Type of gen. func.: lgdogf

$$-\frac{-7\,x^2-86\,x-265}{-7\,x^3-85\,x^2-251\,x+43}$$

Sequence: A245996
Score: 10.2726
Type of gen. func.: ogf

$$\frac{2\,(4\,x^{2}+x+1)}{(x+1)\,(x-1)^{4}}$$

Sequence: A245996
Score: 9.53000
Type of gen. func.: lgdogf

$$-\frac{12\,x^{3}+16\,x^{2}+16\,x+4}{4\,x^{4}+x^{3}-3\,x^{2}-x-1}$$

Sequence: A245997
Score: 6.51747
Type of gen. func.: ogf

$$-\frac{2\,(14\,x^{4}+13\,x^{3}+17\,x^{2}+3\,x+1)}{(x+1)^{2}\,(x-1)^{5}}$$

Sequence: A245998
Score: 5.26556
Type of gen. func.: ogf

$$\frac{2\,(49\,x^{6}+86\,x^{5}+183\,x^{4}+100\,x^{3}+55\,x^{2}+6\,x+1)}{(x+1)^{3}\,(x-1)^{6}}$$

Sequence: A245999
Score: 3.46230
Type of gen. func.: ogf

$$-2\,(171\,x^{8}+474\,x^{7}+1498\,x^{6}+1510\,x^{5}+1436\,x^{4}+502\,x^{3}+158\,x^{2}+10\,x+1)\;/\;((x+1)^{4}\,(x-1)^{7})$$

/

Sequence: A246008
Score: 11.6459
Type of gen. func.: ogf

$$-(f(x) x^2 - 2 f(x) x + f(x) - x)^2$$

Sequence: A246030
Score: 10.5306
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A246030
Score: 12.6987
Type of gen. func.: lgdogf

$$- \frac{-48 x^2 - 16 x - 8}{-48 x^3 - 20 x^2 + 4 x + 1}$$

Sequence: A246030
Score: 19.1891
Type of gen. func.: ogf

$$- \frac{6 x + 1}{(4 x - 1) (2 x + 1)}$$

Sequence: A246030
Score: 9.48911
Type of gen. func.: ogf

$$-(17 f(x) + 47) (8 f(x) x^2 + 2 f(x) x - f(x) + 6 x + 1)$$

Sequence: A246036
Score: 10.7807

Type of gen. func.: ogf

$$(7 f(x) + 2) (8 f(x) x^2 + 2 f(x) x - f(x) + 4 x + 1)$$

Sequence: A246036
Score: 11.1751
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A246036
Score: 13.4758
Type of gen. func.: lgdogf

$$-\frac{32 x^2 + 16 x + 6}{32 x^3 + 16 x^2 - 2 x - 1}$$

Sequence: A246036
Score: 20.3634
Type of gen. func.: ogf

$$-\frac{4 x + 1}{(4 x - 1) (2 x + 1)}$$

Sequence: A246038
Score: 13.0873
Type of gen. func.: ogf

$$-\frac{(2 x + 1) (4 x^2 + 2 x + 1)}{8 x^4 + 8 x^3 + 3 x - 1}$$

Sequence: A246038
Score: 7.16688
Type of gen. func.: ogf

$$-(157 f(x) + 40)$$

$$(8 f(x) x^4 + 8 f(x) x^3 + 8 x^3 + 3 f(x) x + 8 x^2 - f(x) + 4 x + 1)$$

Sequence: A246046
Score: 4.88709
Type of gen. func.: ogf

$$(x^{14} + 2 x^{13} + x^{12} + 2 x^{11} + x^{10} + 2 x^9 + x^8 + x^7 + 2 x^6 + x^5 + 2 x^4 + x^3 + 2 x^2 + x + 2) / ((x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^8 - x^7 + x^5 - x^4 + x^3 - x + 1) (x - 1)^2)$$

Sequence: A246057
Score: 10.1160
Type of gen. func.: lgdogf

$$- \frac{50 x^2 + 20 x - 16}{50 x^3 - 45 x^2 - 6 x + 1}$$

Sequence: A246057
Score: 14.8512
Type of gen. func.: ogf

$$\frac{5 x + 1}{(10 x - 1) (x - 1)}$$

Sequence: A246057
Score: 7.84276
Type of gen. func.: ogf

$$(39 f(x) + 25) (10 f(x) x^2 - 11 f(x) x + f(x) - 5 x - 1)$$

Sequence: A246057
Score: 8.21182
Type of gen. func.: ogf

$$\{-a(n+2) + 11\,a(n+1) - 10\,a(n),\ a(0) = 1,\ a(1) = 16\}$$

Sequence: A246058
Score: 10.1160
Type of gen. func.: lgdogf

$$-\frac{60x^2 + 20x - 17}{60x^3 - 56x^2 - 5x + 1}$$

Sequence: A246058
Score: 14.8512
Type of gen. func.: ogf

$$\frac{6x + 1}{(10x - 1)(x - 1)}$$

Sequence: A246058
Score: 7.67039
Type of gen. func.: ogf

$$(167 f(x) + 122)(10 f(x) x^2 - 11 f(x) x + f(x) - 6x - 1)$$

Sequence: A246058
Score: 8.21182
Type of gen. func.: ogf

$$\{-a(n+2) + 11\,a(n+1) - 10\,a(n),\ a(0) = 1,\ a(1) = 17\}$$

Sequence: A246059
Score: 10.1160
Type of gen. func.: lgdogf

$$-\frac{70x^2 + 20x - 18}{70x^3 - 67x^2 - 4x + 1}$$

Sequence: A246059
Score: 14.8512
Type of gen. func.: ogf

$$\frac{7 x + 1}{(10 x - 1) (x - 1)}$$

Sequence: A246059
Score: 7.84276
Type of gen. func.: ogf

$$(89 f(x) + 73) (10 f(x) x^2 - 11 f(x) x + f(x) - 7 x - 1)$$

Sequence: A246059
Score: 8.21182
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 18\}$$

Sequence: A246062
Score: 10.2213
Type of gen. func.: lgdogf

$$\frac{1/4 I}{x (8 x - 1)^{1/2}} - \frac{1}{4 x (8 x + 1)^{1/2}}$$

Sequence: A246074
Score: 9.65675
Type of gen. func.: ogf

$$- \frac{(x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2}{2 x^6 - 1}$$

Sequence: A246075
Score: 8.39621
Type of gen. func.: ogf

$$-\frac{(x^6+x^5+x^4+x^3+x^2+x+1)^2}{2x^7-1}$$

Sequence: A246076
Score: 6.54642
Type of gen. func.: ogf

$$-(x^{23}+x^{14}+2x^{13}+3x^{12}+4x^{11}+5x^{10}+6x^9+7x^8+8x^7+7x^6+6x^5+5x^4+4x^3+3x^2+2x+1) \Big/ (2x^8-1)$$

Sequence: A246077
Score: 8.50128
Type of gen. func.: ogf

$$-\frac{(x^2+1)(x^{12}-x^{10}+x^8+2x^5+3x^4+2x^3+2x^2+2x+1)}{2x^5-1}$$

Sequence: A246078
Score: 5.59747
Type of gen. func.: ogf

$$-(2x^{24}+x^{23}+x^{17}+2x^{16}+3x^{15}+4x^{14}+5x^{13}+7x^{12}+9x^{11}+11x^{10}+10x^9+9x^8+8x^7+7x^6+6x^5+5x^4+4x^3+3x^2+2x+1) \Big/ (3x^{11}-1)$$

Sequence: A246080
Score: 8.39129
Type of gen. func.: ogf

$$-\frac{(x^6+3x^4+2x^2+1)(x+1)^2}{3x^6-1}$$

Sequence: A246081
Score: 7.33929
Type of gen. func.: ogf

$$-\frac{(x^3 - x + 1)(x^6 + x^4 + 2x^3 + x^2 + x + 1)(x^2 + x + 1)^2}{3x^9 - 1}$$

Sequence: A246082
Score: 5.15129
Type of gen. func.: ogf

$$-\frac{(x^{12} + 3x^8 + 2x^4 + 1)(x + 1)^2 (x^2 + 1)^2}{3x^{12} - 1}$$

Sequence: A246083
Score: 4.91946
Type of gen. func.: ogf

$$-\frac{(x^{15} + 3x^{10} + 2x^5 + 1)(x^4 + x^3 + x^2 + x + 1)^2}{3x^{15} - 1}$$

Sequence: A246084
Score: 8.06652
Type of gen. func.: ogf

$$-(4x^{24} + 2x^{16} + x^{15} + x^9 + 3x^8 + 5x^7 + 7x^6 + 6x^5 + 5x^4 + 4x^3 + 3x^2 + 2x + 1) / (3x^7 - 1)$$

Sequence: A246085
Score: 7.13971
Type of gen. func.: ogf

```
      23    22    14       13       12       11       10        9       8       7
```

$$-(2 x + x + x + 2 x + 4 x + 6 x + 8 x + 10 x + 9 x + 8 x$$

$$+ 7 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1) / (3 x^{10} - 1)$$

Sequence: A246138
Score: 3.95617
Type of gen. func.: ogf

$$\{(-9 n^2 - 36 n - 36) a(n + 1) + (10 n^2 + 44 n + 48) a(n + 2)$$

$$+ (-n^2 - 8 n - 16) a(n + 3), a(0) = -1, a(1) = 0, a(2) = 1\}$$

Sequence: A246139
Score: 10.6865
Type of gen. func.: lgdogf

$$- \frac{-42 x^2 + 44 x - 12}{-42 x^3 + 85 x^2 - 54 x + 11}$$

Sequence: A246139
Score: 16.1435
Type of gen. func.: ogf

$$- \frac{21 x - 11}{(2 x - 1) (x - 1)}$$

Sequence: A246139
Score: 8.62207
Type of gen. func.: ogf

$$(f(x) - 29) (2 f(x) x^2 - 3 f(x) x + f(x) + 21 x - 11)$$

Sequence: A246139
Score: 9.03265
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 11, a(1) = 12\}$$

Sequence: A246168
Score: 10.0959
Type of gen. func.: lgdogf

$$-\frac{-38 x^2 + 36 x - 8}{-38 x^3 + 75 x^2 - 46 x + 9}$$

Sequence: A246168
Score: 15.1438
Type of gen. func.: ogf

$$\frac{19 x - 9}{(2 x - 1) (x - 1)}$$

Sequence: A246168
Score: 7.33277
Type of gen. func.: ogf

$$-(207 f(x) + 2887) (2 f(x) x^2 - 3 f(x) x + f(x) - 19 x + 9)$$

Sequence: A246168
Score: 8.49529
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = -9, a(1) = -8\}$$

Sequence: A246171
Score: 7.38596
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + 4 x^6 + 4 x^5 + 4 x^4 + 4 x^3 + 4 x^2 + 4 x + 3}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A246172
Score: 12.8904
Type of gen. func.: ogf

$$\frac{4 x^2 - 4 x - 1}{(x - 1)^3}$$

Sequence: A246172
Score: 13.1053
Type of gen. func.: lgdogf

$$- \frac{-4 x^2 + 7}{-4 x^3 + 8 x^2 - 3 x - 1}$$

Sequence: A246172
Score: 6.83754
Type of gen. func.: ogf

$$(19 f(x) - 1195) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 4 x^2 - f(x) + 4 x + 1)$$

Sequence: A246172
Score: 6.95855
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 7, a(2) = 14\}$$

Sequence: A246175
Score: 7.22468
Type of gen. func.: ogf

$$- \frac{x^2 + x - 1}{(x^2 - 3 x + 1)^3 (x + 1)^3}$$

Sequence: A246175
Score: 9.17291
Type of gen. func.: lgdogf

$$-\frac{-7x^4+21x^2-6x-5}{-x^5+x^4+5x^3-x^2-3x+1}$$

Sequence: A246176
Score: 5.57939
Type of gen. func.: ogf

$$-\frac{x^5-3x^4+14x^3-24x^2+18x-5}{(x^2-3x+1)^3(x+1)^3}$$

Sequence: A246178
Score: 14.6051
Type of gen. func.: ogf

$$\frac{1}{(x^2-3x+1)^3}$$

Sequence: A246178
Score: 20.6906
Type of gen. func.: lgdogf

$$-\frac{6x-9}{x^2-3x+1}$$

Sequence: A246178
Score: 6.53388
Type of gen. func.: ogf

$\{(-n-3)\,a(n+3)+(15+3n)\,a(n+2)+(-7-n)\,a(n+1),\ a(0)=1,$

$a(1)=9,\ a(2)=51\}$

Sequence: A246224
Score: 20.526
Type of gen. func.: ogf

$$-(f(x) - 1)^{3}$$

Sequence: A246227
Score: 7.97765
Type of gen. func.: ogf

$$(f(x) - 171470)^{2} (-64556303422787162 x^{6} + f(x) - 171470)$$

Sequence: A246229
Score: 5.23466
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{3744763744425692221838464}{571} x^{15} \exp\left(\frac{2847841759482134170596738877591443 x^{5}}{468095468053211527729808}\right)$$

Sequence: A246313
Score: 10.376
Type of gen. func.: ogf

$$(5 f(x) + 14) (2 f(x) x^{2} + 3 f(x) x - f(x) + 6 x - 1)$$

Sequence: A246313
Score: 10.8821
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) - 2 a(n), a(0) = -1, a(1) = 3\}$$

Sequence: A246313
Score: 13.3184
Type of gen. func.: lgdogf

$$-\frac{12 x^{2} - 4 x + 3}{12 x^{3} + 16 x^{2} - 9 x + 1}$$

Sequence: A246313
Score: 19.8296
Type of gen. func.: ogf

$$-\frac{6 x - 1}{2 x^{2} + 3 x - 1}$$

Sequence: A246347
Score: 13.1854
Type of gen. func.: ogf

$$-\frac{3 x^{4} - 2 x^{3} - x - 1}{(x - 1) (2 x^{2} - 1)}$$

Sequence: A246347
Score: 6.31800
Type of gen. func.: ogf

$$\{-a(n + 5) + a(n + 4) + 2 a(n + 3) - 2 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8, a(4) = 9\}$$

Sequence: A246347
Score: 8.19633
Type of gen. func.: ogf

$$f(x) (2 f(x) x^{3} + 3 x^{4} - 2 f(x) x^{2} - 2 x^{3} - f(x) x + f(x) - x - 1)$$

Sequence: A246360
Score: 11.9144
Type of gen. func.: ogf

$$-\frac{x^{3} + 2 x^{2} - x - 1}{(x - 1) (3 x^{2} - 1)}$$

Sequence: A246360
Score: 6.22799
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 3) + 3 a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 5\}$$

Sequence: A246360
Score: 6.68369
Type of gen. func.: ogf

$$-(f(x) - 2) (3 f(x) x^3 - 3 f(x) x^2 + x^3 - f(x) x + 2 x^2 + f(x) - x - 1)$$

Sequence: A246360
Score: 8.13955
Type of gen. func.: lgdogf

$$- \frac{9 x^4 - 4 x^3 - 7 x^2 + 2 x + 2}{3 x^6 + 3 x^5 - 10 x^4 - x^3 + 6 x^2 - 1}$$

Sequence: A246388
Score: 8.13369
Type of gen. func.: ogf

$$\frac{(x + 1) (4 x^6 + 2 x^5 + 4 x^4 + 3 x^3 + 3 x^2 + 3 x + 3)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A246393
Score: 8.13369
Type of gen. func.: ogf

$$\frac{5 x^7 + 7 x^6 + 6 x^5 + 6 x^4 + 6 x^3 + 7 x^2 + 6 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A246394

Score: 8.17337
Type of gen. func.: ogf

$$\frac{2x^7+6x^6+7x^5+6x^4+6x^3+7x^2+6x+4}{(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A246404
Score: 8.86541
Type of gen. func.: ogf

$$\frac{x(2x^{11}-x^6+x^5+2)}{(x+1)(x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)(x-1)^2}$$

Sequence: A246407
Score: 7.81723
Type of gen. func.: ogf

$$\frac{x^{12}+x^{11}+x^7-x^6+x+1}{(x+1)(x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)(x-1)^2}$$

Sequence: A246410
Score: 9.50200
Type of gen. func.: ogf

$$\frac{x^{12}+x^{11}+2}{(x+1)(x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)(x-1)^2}$$

Sequence: A246413
Score: 10.2300
Type of gen. func.: ogf

$$\frac{2x^{11}+x+1}{(x+1)(x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1)(x-1)^2}$$

Sequence: A246416
Score: 5.80501
Type of gen. func.: ogf

$$\frac{x\,(x^{10} + x^{9} + 3\,x^{8} + 4\,x^{6} + 2\,x^{5} + 4\,x^{4} + 2\,x^{3} + 3\,x^{2} + x + 1)}{(x^{4} + 1)\,(x - 1)^{2}\,(x + 1)^{2}\,(x^{2} + 1)^{2}}$$

Sequence: A246432
Score: 10.2014
Type of gen. func.: ogf

$$-f(x)^{2} - 4\,f(x)\,x - 4\,x^{2} + f(x) + x$$

Sequence: A246432
Score: 3.71497
Type of gen. func.: ogf

$$\{(-16\,n^{2} - 8\,n)\,a(n + 1) + (8\,n^{2} + 22\,n + 12)\,a(n + 2)$$

$$+ (-n^{2} - 5\,n - 6)\,a(n + 3),\ a(0) = 1,\ a(1) = -3,\ a(2) = -1\}$$

Sequence: A246432
Score: 7.83767
Type of gen. func.: lgdogf

$$\frac{\dfrac{8\,x - 1}{2\,(4\,x - 1)^{1/2}} - 1/2\,I}{(4\,x - 1)^{1/2}\,x}$$

Sequence: A246434
Score: 4.18661
Type of gen. func.: ogf

$$\{(84\,n^{2} + 378\,n + 420)\,a(n + 1) + (-37\,n^{2} - 225\,n - 314)\,a(n + 2)$$

^{2}

$+ (4 n + 32 n + 60) a(n + 3), a(0) = -1, a(1) = -1, a(2) = 0\}$

Sequence: A246434
Score: 7.10571
Type of gen. func.: revogf

$$-\frac{-x^2 + (x^4 + 10 x^3 + 29 x^2 + 28 x + 4)^{1/2} + 11 x - 2}{2 (4 x^2 - 12 x + 9)}$$

Sequence: A246434
Score: 7.66853
Type of gen. func.: ogf

$$4 f(x)^2 x^3 - f(x)^2 x^2 - 12 f(x) x^2 + 11 f(x) x - 2 f(x) + 9 x - 2$$

Sequence: A246437
Score: 3.60782
Type of gen. func.: ogf

$\{(-3 n - 6) a(n + 1) + (-5 n - 14) a(n + 2) + (-n - 4) a(n + 3)$

$+ (n + 4) a(n + 4), a(0) = 1, a(1) = 0, a(2) = 2, a(3) = 3\}$

Sequence: A246437
Score: 5.56797
Type of gen. func.: ogf

$$-3 f(x)^2 x^3 - 5 f(x)^2 x^2 - f(x)^2 x + 3 f(x) x^2 + f(x)^2 + 2 f(x) x - f(x) - x$$

Sequence: A246442
Score: 10.5278
Type of gen. func.: ogf

$$\frac{11 x^4 + 3 x^3 + 3 x^2 + 3 x + 2}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A246451
Score: 11.8502
Type of gen. func.: ogf

$$\frac{3 x^3 + 3 x^2 + 3 x + 13}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A246453
Score: 11.9945
Type of gen. func.: ogf

$$\frac{8 x^3 - 56 x^2 - 10 x + 3}{x^2 - 7 x + 1}$$

Sequence: A246453
Score: 6.40384
Type of gen. func.: ogf

{a(n + 4) - 7 a(n + 3) + a(n + 2), a(0) = 3, a(1) = 11, a(2) = 18, a(3) = 123}

Sequence: A246453
Score: 6.62854
Type of gen. func.: ogf

$$(105055 f(x) - 6894248) (f(x) x^2 - 8 x^3 - 7 f(x) x + 56 x^2 + f(x) + 10 x - 3)$$

Sequence: A246453
Score: 6.93260
Type of gen. func.: lgdogf

$$- \frac{8 x^4 - 112 x^3 + 426 x^2 - 118 x + 11}{-8 x^5 + 112 x^4 - 390 x^3 - 17 x^2 + 31 x - 3}$$

Sequence: A246472

Score: 3.90293
Type of gen. func.: ogf

$$64 f(x)^2 x^4 - 96 f(x)^2 x^3 + 52 f(x)^2 x^2 + 80 f(x) x^3 - 12 f(x)^2 x - 84 f(x) x^2 + 4 x^3 + f(x)^2 + 28 f(x) x + 20 x^2 - 3 f(x) - 13 x + 2$$

Sequence: A246473
Score: 12.1725
Type of gen. func.: ogf

$$-\frac{2 (4 x^3 + 3 x^2 + 2 x + 5)}{x^4 + x - 1}$$

Sequence: A246473
Score: 7.25667
Type of gen. func.: ogf

$$(21 f(x) - 76) (f(x) x^4 + 8 x^3 + f(x) x + 6 x^2 - f(x) + 4 x + 10)$$

Sequence: A246474
Score: 12.4182
Type of gen. func.: ogf

$$-\frac{4 (7 x^2 + 3 x + 15)}{x^3 + 2 x - 1}$$

Sequence: A246474
Score: 6.68675
Type of gen. func.: ogf

$$-(57 f(x) + 1124) (f(x) x^3 + 2 f(x) x + 28 x^2 - f(x) + 12 x + 60)$$

Sequence: A246474
Score: 6.81786
Type of gen. func.: lgdogf

$$-\frac{-7x^4-6x^3-31x^2-14x-33}{-7x^5-3x^4-29x^3+x^2-27x+15}$$

Sequence: A246474
Score: 7.02446
Type of gen. func.: ogf

$$\{a(n+3)-2a(n+2)-a(n),\ a(0)=60,\ a(1)=132,\ a(2)=292\}$$

Sequence: A246475
Score: 4.07414
Type of gen. func.: ogf

$$-\frac{4\,(16x^8+21x^7+7x^6+99x^5+80x^4+245x^3+102x^2+35x+43)}{x^9+x^8+6x^6+3x^5+14x^4+x^3+2x-1}$$

Sequence: A246476
Score: 3.72081
Type of gen. func.: ogf

$$(520804\,f(x)-22052511)\,(f(x)\,x^4+3\,f(x)\,x^3+2\,f(x)\,x^2+126\,x^3+3\,f(x)\,x$$
$$+408\,x^2-f(x)+348\,x+462)$$

Sequence: A246476
Score: 6.87255
Type of gen. func.: ogf

$$-\frac{6\,(21x^3+68x^2+58x+77)}{x^4+3x^3+2x^2+3x-1}$$

Sequence: A246478
Score: 3.45476
Type of gen. func.: ogf

$$-(293504587 f(x) - 20296448430) (f(x) x^4 + 5 f(x) x^3 + 2 f(x) x^2 + 344 x^3 + 5 f(x) x + 1776 x^2 - f(x) + 976 x + 1880)$$

Sequence: A246478
Score: 6.71098
Type of gen. func.: ogf

$$- \frac{8 (43 x^3 + 222 x^2 + 122 x + 235)}{x^4 + 5 x^3 + 2 x^2 + 5 x - 1}$$

Sequence: A246480
Score: 6.45450
Type of gen. func.: ogf

$$- \frac{2 (23 x^4 + 6 x^3 + 16 x^2 + 2 x + 1)}{(x + 1)^2 (x - 1)^5}$$

Sequence: A246481
Score: 5.30486
Type of gen. func.: ogf

$$\frac{2 (115 x^6 + 72 x^5 + 191 x^4 + 52 x^3 + 45 x^2 + 4 x + 1)}{(x + 1)^3 (x - 1)^6}$$

Sequence: A246482
Score: 3.44490
Type of gen. func.: ogf

$$- 2 (562 x^8 + 617 x^7 + 2001 x^6 + 1045 x^5 + 1161 x^4 + 251 x^3 + 115 x^2 + 7 x + 1) / ((x + 1)^4 (x - 1)^7)$$

Sequence: A246507
Score: 6.48926
Type of gen. func.: ogf

$$\{(-4 n^2 - 34 n - 60) a(n + 1) + (n^2 + 9 n + 14) a(n + 2), a(0) = 14, a(1) = 70\}$$

Sequence: A246552
Score: 10.6907
Type of gen. func.: lgdogf

$$-\frac{-3 x^5 + 3 x^4 + 5 x^3 + x^2 + 2}{-x^6 + x^5 + x^4 + x^2 - x - 1}$$

Sequence: A246552
Score: 15.4938
Type of gen. func.: ogf

$$-\frac{x^2 (x^2 - x - 1)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A246555
Score: 10.0711
Type of gen. func.: ogf

$$-f(x)^3 x + 2 f(x)^2 x - 2 f(x) x + f(x) - 1$$

Sequence: A246574
Score: 5.87911
Type of gen. func.: ogf

$$\{(-4 n^2 - 18 n - 20) a(n + 1) + (n^2 + 5 n + 4) a(n + 2), a(0) = 0, a(1) = 4\}$$

Sequence: A246574
Score: 7.25889
Type of gen. func.: ogf

$$-4 f(x)^2 x^3 + f(x)^2 x^2 + 16 f(x) x^2 - 20 f(x) x + 4 f(x) - 16 x$$

Sequence: A246575
Score: 19.0030
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{1 - 2 x}{x - 1}$$

Sequence: A246576
Score: 18.5888
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^2 - 1}{-x + 1}$$

Sequence: A246581
Score: 12.7596
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^3 - x^2 + x}{x^2 - 1}$$

Sequence: A246584
Score: 12.6620
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^3 - 2 x^2 - 3 x - 2}{-x^4 + 1}$$

Sequence: A246607
Score: 5.54107
Type of gen. func.: ogf

$\{(3 n^2 + 15 n + 18) a(n + 1) + a(n + 4) - a(n + 3), a(0) = 1, a(1) = 1,$

$a(2) = 1, a(3) = -5\}$

Sequence: A246608
Score: 6.91589
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-5 x^7 - 2 x^6 - x^5 - 2 x^4 - 9 x^3 - 2 x^2 - x - 2}{x^8 - 1}$$

Sequence: A246614
Score: 21.6063
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A246615
Score: 20.8206
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A246616
Score: 22.9335
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A246631
Score: 6.59440
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{3 x^6 + x^5 - 2 x^3 + 5 x^2 + 3 x + 2}{-x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 1}$$

Sequence: A246638
Score: 14.1237
Type of gen. func.: ogf

$$-\frac{5 x^2 - 12 x + 5}{(x - 1) (x^2 - 3 x + 1)}$$

Sequence: A246638
Score: 7.29722
Type of gen. func.: ogf

$$-(127 f(x) + 444) (f(x) x^3 - 4 f(x) x^2 + 4 f(x) x + 5 x^2 - f(x) - 12 x + 5)$$

Sequence: A246638
Score: 7.74927
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 4 a(n + 1) + a(n), a(0) = 5, a(1) = 8, a(2) = 17\}$$

Sequence: A246638
Score: 8.50162
Type of gen. func.: lgdogf

$$-\frac{-5 x^4 + 24 x^3 - 43 x^2 + 30 x - 8}{-5 x^5 + 32 x^4 - 73 x^3 + 73 x^2 - 32 x + 5}$$

Sequence: A246639
Score: 14.5114
Type of gen. func.: ogf

$$-\frac{8 x^2 - 19 x + 8}{(x - 1) (x^2 - 3 x + 1)}$$

Sequence: A246639
Score: 7.43558
Type of gen. func.: ogf

$$-(281 f(x) + 1632) (f(x) x^3 - 4 f(x) x^2 + 4 f(x) x + 8 x^2 - f(x) - 19 x + 8)$$

Sequence: A246639
Score: 7.89215
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 4 a(n + 1) + a(n), a(0) = 8, a(1) = 13, a(2) = 28\}$$

Sequence: A246639
Score: 8.48778
Type of gen. func.: lgdogf

$$-\frac{-8 x^4 + 38 x^3 - 68 x^2 + 48 x - 13}{-8 x^5 + 51 x^4 - 116 x^3 + 116 x^2 - 51 x + 8}$$

Sequence: A246640
Score: 13.5108
Type of gen. func.: ogf

$$-\frac{(2 x - 1) (x - 2)}{(x - 1) (x^2 - 3 x + 1)}$$

Sequence: A246640
Score: 7.04408
Type of gen. func.: ogf

$$-(88 f(x) + 85) (f(x) x^3 - 4 f(x) x^2 + 4 f(x) x + 2 x^2 - f(x) - 5 x + 2)$$

Sequence: A246640
Score: 7.35855
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 4 a(n + 1) + a(n), a(0) = 2, a(1) = 3, a(2) = 6\}$$

Sequence: A246640
Score: 8.00153
Type of gen. func.: lgdogf

$$-\frac{-2x^4+10x^3-18x^2+12x-3}{-2x^5+13x^4-30x^3+30x^2-13x+2}$$

Sequence: A246641
Score: 13.7955
Type of gen. func.: ogf

$$-\frac{x^2-10x+1}{(x-1)(x^2-18x+1)}$$

Sequence: A246641
Score: 7.4823
Type of gen. func.: ogf

$$(1364 f(x) + 13) (f(x) x^3 - 19 f(x) x^2 + 19 f(x) x + x^2 - f(x) - 10 x + 1)$$

Sequence: A246641
Score: 7.61130
Type of gen. func.: ogf

$$\{-a(n + 3) + 19 a(n + 2) - 19 a(n + 1) + a(n), a(0) = 1, a(1) = 9, a(2) = 153\}$$

Sequence: A246641
Score: 8.32935
Type of gen. func.: lgdogf

$$-\frac{-x^4+20x^3-174x^2+36x-9}{-x^5+29x^4-210x^3+210x^2-29x+1}$$

Sequence: A246642
Score: 11.5937
Type of gen. func.: ogf

$$-\frac{x^2 + 22 x + 1}{(x - 1) (x^2 - 18 x + 1)}$$

Sequence: A246642
Score: 6.03251
Type of gen. func.: ogf

$$(110482 f(x) - 20847) (f(x) x^3 - 19 f(x) x^2 + 19 f(x) x + x^2 - f(x) + 22 x + 1)$$

Sequence: A246642
Score: 6.34187
Type of gen. func.: ogf

$$\{a(n + 3) - 19 a(n + 2) + 19 a(n + 1) - a(n), a(0) = 1, a(1) = 41, a(2) = 761\}$$

Sequence: A246642
Score: 7.06666
Type of gen. func.: lgdogf

$$-\frac{-x^4 - 44 x^3 + 434 x^2 + 36 x - 41}{-x^5 - 3 x^4 + 398 x^3 - 398 x^2 + 3 x + 1}$$

Sequence: A246643
Score: 10.1756
Type of gen. func.: ogf

$$-\frac{(15 x - 1) (6 x - 1)}{(9 x - 1) (81 x^2 - 22 x + 1)}$$

Sequence: A246643
Score: 5.24199

Type of gen. func.: ogf

$$-(105880 f(x) + 268361)$$

$$(729 f(x) x^3 - 279 f(x) x^2 + 31 f(x) x + 90 x^2 - f(x) - 21 x + 1)$$

Sequence: A246643
Score: 5.76619
Type of gen. func.: ogf

$$\{-a(n + 3) + 31 a(n + 2) - 279 a(n + 1) + 729 a(n), a(0) = 1, a(1) = 10, a(2) = 121\}$$

Sequence: A246645
Score: 13.7222
Type of gen. func.: lgdogf

$$-\frac{162 x - 22}{81 x^2 - 22 x + 1}$$

Sequence: A246645
Score: 20.7793
Type of gen. func.: ogf

$$\frac{1}{81 x^2 - 22 x + 1}$$

Sequence: A246645
Score: 8.4567
Type of gen. func.: ogf

$$(161 f(x) + 81) (81 f(x) x^2 - 22 f(x) x + f(x) - 1)$$

Sequence: A246645
Score: 8.55620
Type of gen. func.: ogf

$$\{-a(n + 2) + 22 a(n + 1) - 81 a(n), a(0) = 1, a(1) = 22\}$$

Sequence: A246650
Score: 5.58078
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^5+3x^4-6x^3+6x^2-4x+1}{x^6-x^5+x^4-x^2+x-1}$$

Sequence: A246662
Score: 3.42187
Type of gen. func.: ogf

$$\{(-14-7n)a(n+1)+(-7n^2-18n+12)a(n+2)$$
$$+(10n^2+77n+134)a(n+3)+(-10n-40)a(n+4),\ a(0)=-10,$$
$$a(1)=7,\ a(2)=-3,\ a(3)=1\}$$

Sequence: A246695
Score: 24.5399
Type of gen. func.: ogf_with_Euler_transform]

$$-x^3-x^2+3x+3$$

Sequence: A246695
Score: 8.06559
Type of gen. func.: ogf

$$\frac{(x^2+1)(x^2+x+1)}{(x+1)^2(x-1)^4}$$

Sequence: A246697
Score: 8.00651
Type of gen. func.: ogf

$$2x^4+x^3+5x^2+3x+1$$

$$\frac{}{(x + 1)^2 (x - 1)^4}$$

Sequence: A246707
Score: 5.53399
Type of gen. func.: ogf_with_Euler_transform]

$$- (4 x^{11} + 2 x^{10} + 3 x^9 + 4 x^8 + 2 x^7 + 2 x^6 + 6 x^5 + 2 x^4 + 2 x^3 + 4 x^2 + 3 x + 2) \Big/ (-x^{12} + 1)$$

Sequence: A246713
Score: 7.65810
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^4 + 3 x^3 - 3 x - 2}{x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}$$

Sequence: A246715
Score: 11.0604
Type of gen. func.: lgdogf

$$- \frac{x^4 - 11 x^3 + 12 x^2 - 3 x + 5}{x^5 - 4 x^4 - 3 x^3 + 9 x^2 - 2 x - 1}$$

Sequence: A246715
Score: 14.0769
Type of gen. func.: ogf

$$\frac{(x - 1) (x^2 - 4 x - 1)}{(x^2 + x - 1)^2}$$

Sequence: A246715
Score: 4.57350

Type of gen. func.: ogf

$$\{(-3 n^2 - 16 n - 20) a(n + 1) + (2 n^2 + 31 n + 82) a(n + 2) + (8 n^2 + 49 n + 70) a(n + 3) + (-5 n^2 - 34 n - 56) a(n + 4), a(0) = 1, a(1) = 5, a(2) = 6, a(3) = 16\}$$

Sequence: A246715
Score: 7.74232
Type of gen. func.: ogf

$$(40 f(x) - 191) (f(x) x^4 + 2 f(x) x^3 - f(x) x^2 - x^3 - 2 f(x) x + 5 x^2 + f(x) - 3 x - 1)$$

Sequence: A246732
Score: 6.09385
Type of gen. func.: ogf

$$(5 f(x) - 188) (f(x) x^4 + 60 x^3 + 2 f(x) x + 28 x^2 - f(x) + 12 x + 124)$$

Sequence: A246732
Score: 9.97176
Type of gen. func.: ogf

$$- \frac{4 (15 x^3 + 7 x^2 + 3 x + 31)}{x^4 + 2 x - 1}$$

Sequence: A246734
Score: 4.60966
Type of gen. func.: ogf

$$- \frac{6 (77 x^6 + 98 x^5 - 51 x^4 - 400 x^3 - 185 x^2 - 122 x - 261)}{(x + 1) (x^6 - x^4 - 4 x^3 + 3 x^2 - 4 x + 1)}$$

Sequence: A246736
Score: 3.35788
Type of gen. func.: ogf

$$-8 (235 x^7 + 983 x^6 + 179 x^5 - 2791 x^4 - 4741 x^3 - 1793 x^2 - 1245 x - 1171) / ((x^4 + 2 x^3 + 2 x^2 + 1) (x^4 + 2 x^3 - 6 x^2 - 4 x + 1))$$

Sequence: A246738
Score: 5.33370
Type of gen. func.: ogf

$$\frac{2 (166 x^6 + 43 x^5 + 189 x^4 + 34 x^3 + 44 x^2 + 3 x + 1)}{(x + 1)^3 (x - 1)^6}$$

Sequence: A246739
Score: 3.42834
Type of gen. func.: ogf

$$-2 (1076 x^8 + 523 x^7 + 2211 x^6 + 655 x^5 + 1023 x^4 + 161 x^3 + 105 x^2 + 5 x + 1) / ((x + 1)^4 (x - 1)^7)$$

Sequence: A246752
Score: 4.44890
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^{11} - x^{10} - 2 x^9 - 2 x^8 - x^7 - x^6 - 2 x^5 - x^4 - x^3 - 2 x^2 - 2 x - 1}{x^{12} - 1}$$

Sequence: A246756
Score: 6.96093
Type of gen. func.: ogf

$$f(x)^2 x^3 + f(x)^3 x + f(x)^3 - 5 f(x)^2 x - 3 f(x)^2 + 7 f(x) x + 3 f(x) - 3 x - 1$$

Sequence: A246767
Score: 10.3873
Type of gen. func.: lgdogf

$$-\frac{-6x^{3}-24x^{2}-78x-12}{-3x^{4}-2x^{3}-12x^{2}+18x-1}$$

Sequence: A246767
Score: 4.64694
Type of gen. func.: ogf

$$\{(5n^{2}-47n-114)\,a(n+1)+(116n^{2}+884n+1128)\,a(n+2)$$
$$+(-121n^{2}-333n-182)\,a(n+3),\ a(0)=0,\ a(1)=-1,\ a(2)=12\}$$

Sequence: A246767
Score: 9.59693
Type of gen. func.: ogf

$$-\frac{x\,(3x^{3}+5x^{2}+17x-1)}{(x-1)^{5}}$$

Sequence: A246779
Score: 4.51129
Type of gen. func.: ogf

$$-x\,(x^{22}-x^{21}+2x^{20}-2x^{19}+x^{17}-x^{15}+x^{14}-x^{13}+x^{12}+x^{10}-x^{9}-x^{8}$$
$$+x^{6}+x^{4}-x^{3}+x^{2}-2x-1)\ \Big/\ (x-1)^{2}$$

Sequence: A246780
Score: 8.43666
Type of gen. func.: ogf

$$(x^{2}-x+1)\,(x^{14}-x^{12}-x^{11}+x^{9}+x^{8}-x^{6}+x^{3}+x^{2}-x-2)$$

$$- \frac{}{(x - 1)^2}$$

Sequence: A246800
Score: 9.1442
Type of gen. func.: ogf

$$-64 f(x)^2 x^4 + 16 f(x)^2 x^3 + 4 f(x)^2 x^2 - f(x)^2 x - 32 f(x) x^2 + 2 f(x) + 16 x - 12$$

Sequence: A246811
Score: 5.90367
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{3 x^6 - x^5 + 5 x^4 + x^3 + 2 x^2 - 2 x + 4}{-x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 1}$$

Sequence: A246814
Score: 6.29488
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{3 x^7 + 2 x^6 + x^5 + 2 x^4 + 5 x^3 + 2 x^2 + x + 2}{-x^8 + 1}$$

Sequence: A246815
Score: 7.67318
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{3 x^7 + 2 x^6 + 3 x^5 + 2 x^4 + x^3 + 2 x^2 + 3 x + 2}{-x^8 + 1}$$

Sequence: A246816
Score: 7.01671
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3x^7-2x^6+5x^5-2x^4+4x^3-2x^2+5x-2}{-x^8+1}$$

Sequence: A246832
Score: 6.90061
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3x^6+2x^5-x^3+4x^2+3x+1}{-x^7-x^6-x^5-x^4-x^3-x^2-x-1}$$

Sequence: A246833
Score: 8.63318
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3x^7-2x^6-2x^4-x^3-2x^2-2}{x^8-1}$$

Sequence: A246835
Score: 7.68108
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3x^7+2x^6-2x^5+2x^4+5x^3+2x^2-2x+2}{-x^8+1}$$

Sequence: A246836
Score: 7.67318
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3x^7-2x^6+5x^5-2x^4+x^3-2x^2+5x-2}{-x^8+1}$$

Sequence: A246837
Score: 6.86370
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3x^6+4x^4+x^3+2x^2-x+3}{-x^7-x^6-x^5-x^4-x^3-x^2-x-1}$$

Sequence: A246840
Score: 9.32821
Type of gen. func.: lgdogf

$$-\frac{3x^5-4x^3-3x^2+x-1}{x^6-2x^4-2x^3+x^2-2x+1}$$

Sequence: A246880
Score: 4.45815
Type of gen. func.: ogf

$$(343189690252497 f(x) + 21942724601590)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 1500 x^2 - f(x) + 609 x)$$

Sequence: A246880
Score: 5.24278
Type of gen. func.: ogf

$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 0, a(1) = 609,$

$a(2) = 66099\}$

Sequence: A246880
Score: 9.36211
Type of gen. func.: ogf

$$\frac{3x(500x-203)}{(x-1)(100x-1)(10x-1)}$$

Sequence: A246883

Score: 10.0189
Type of gen. func.: lgdogf

$$-\frac{-4x^7+5x^4+4x^3-x+1}{-x^8+2x^5+2x^4-x^2+2x-1}$$

Sequence: A246884
Score: 9.24785
Type of gen. func.: lgdogf

$$-\frac{5x^9-6x^5-5x^4+x-1}{x^{10}-2x^6-2x^5+x^2-2x+1}$$

Sequence: A246893
Score: 5.12714
Type of gen. func.: ogf

$$-\frac{x^7-2x^6+329x^5+394x^4+619x^3+378x^2+171x+30}{(x+1)^3(x-1)^5}$$

Sequence: A246894
Score: 3.32493
Type of gen. func.: ogf

$$-(x^9-2x^8+1486x^7+268x^6-2876x^5-3740x^4-4198x^3-1844x^2-557x-58)\Big/\left((x+1)^4(x-1)^6\right)$$

Sequence: A246919
Score: 5.14102
Type of gen. func.: ogf

$$-x^2(4x^{13}+2x^{11}+x^{10}-11x^9+x^8-4x^7+4x^6+13x^5+16x^4+14x^3+19x^2+7)\Big/\left((x-1)^3(x+1)^3(x^2+1)^3\right)$$

Sequence: A246927
Score: 5.38649
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3x^{11}+x^{10}-4x^{8}+x^{7}+x^{6}+7x^{5}+x^{4}+x^{3}-4x^{2}+1}{-x^{12}+1}$$

Sequence: A246928
Score: 6.03684
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3x^{8}-2x^{7}+3x^{6}-3x^{5}-x^{4}+x^{3}+6x^{2}-3x+2}{-x^{9}-x^{6}-x^{3}-1}$$

Sequence: A246939
Score: 3.85549
Type of gen. func.: ogf

$$\frac{49x^{10}-7x^{9}-7x^{8}+x^{7}+7x^{6}+7x^{5}-x^{4}-x^{3}+1}{(7x-1)(7x^{2}-1)(57x^{7}+7x^{6}-8x^{4}-8x^{3}+1)}$$

Sequence: A246940
Score: 3.68289
Type of gen. func.: ogf

$$\frac{64x^{10}-8x^{9}-8x^{8}+x^{7}+8x^{6}+8x^{5}-x^{4}-x^{3}+1}{(8x-1)(8x^{2}-1)(73x^{7}+8x^{6}-9x^{4}-9x^{3}+1)}$$

Sequence: A246941
Score: 3.84657
Type of gen. func.: ogf

10 9 8 7 6 5 4 3

$$\frac{81 x - 9 x - 9 x + x + 9 x + 9 x - x - x + 1}{(3 x - 1) (9 x - 1) (1 + 3 x) (91 x^{7} + 9 x^{6} - 10 x^{4} - 10 x^{3} + 1)}$$

Sequence: A246943
Score: 7.86443
Type of gen. func.: ogf

$$\frac{x (4 x^{6} + x^{5} + 12 x^{4} + 4 x^{3} + 12 x^{2} + x + 4)}{(x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2}}$$

Sequence: A246950
Score: 5.44651
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^{7} + 2 x^{6} + x^{5} + 2 x^{4} + 3 x^{3} + 2 x^{2} + x + 2}{-x^{8} + 1}$$

Sequence: A246953
Score: 11.9809
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{3 x^{3} + 2 x^{2} - x + 2}{-x^{4} + 1}$$

Sequence: A246954
Score: 12.3326
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-3 x^{3} - 4 x^{2} - x - 4}{x^{4} - 1}$$

Sequence: A246961
Score: 10.1006

Type of gen. func.: ogf

$$-\frac{2\,x\,(135\,x^{2}-9\,x-2)}{(15\,x-1)\,(3\,x-1)\,(9\,x-1)\,(5\,x-1)}$$

Sequence: A246961
Score: 5.36597
Type of gen. func.: ogf

$$(71398568\,f(x)-324540573)\,(2025\,f(x)\,x^{4}-1440\,f(x)\,x^{3}+342\,f(x)\,x^{2}+270\,x^{3}$$
$$-32\,f(x)\,x-18\,x^{2}+f(x)-4\,x)$$

Sequence: A246962
Score: 5.25843
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2\,x^{11}-2\,x^{9}-x^{8}-x^{7}-2\,x^{5}-x^{3}-x^{2}-2\,x}{x^{12}-1}$$

Sequence: A246974
Score: 6.07937
Type of gen. func.: ogf

$$f(x)^{3}\,x^{3}+2\,f(x)^{2}\,x^{3}+f(x)^{2}\,x^{2}+f(x)\,x^{3}+f(x)\,x^{2}+f(x)\,x-f(x)+1$$

Sequence: A246985
Score: 13.9346
Type of gen. func.: ogf

$$-\frac{14\,x^{2}-8\,x+1}{(6\,x-1)\,(3\,x-1)\,(2\,x-1)}$$

Sequence: A246985
Score: 7.67585
Type of gen. func.: ogf

$$(54 f(x) - 509) (36 f(x) x^3 - 36 f(x) x^2 + 11 f(x) x + 14 x^2 - f(x) - 8 x + 1)$$

Sequence: A246985
Score: 7.80821
Type of gen. func.: ogf

$$\{-a(n + 3) + 11 a(n + 2) - 36 a(n + 1) + 36 a(n), a(0) = 1, a(1) = 3, a(2) = 11\}$$

Sequence: A246985
Score: 8.08707
Type of gen. func.: lgdogf

$$-\frac{-504 x^4 + 576 x^3 - 242 x^2 + 44 x - 3}{-504 x^5 + 792 x^4 - 478 x^3 + 138 x^2 - 19 x + 1}$$

Sequence: A246986
Score: 11.3130
Type of gen. func.: ogf

$$-\frac{x^3 - 6 x^2 + 5 x - 1}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A246986
Score: 6.23372
Type of gen. func.: ogf

$$(2738 f(x) - 4081) (24 f(x) x^4 - 50 f(x) x^3 + 35 f(x) x^2 + x^3 - 10 f(x) x - 6 x^2 + f(x) + 5 x - 1)$$

Sequence: A246987
Score: 8.27712
Type of gen. func.: ogf

$$-\frac{2x^4 - 21x^3 + 34x^2 - 11x + 1}{(x - 1)(6x - 1)(4x - 1)(2x - 1)(5x - 1)}$$

Sequence: A246999
Score: 4.58973
Type of gen. func.: ogf

$$-\frac{24(50500000x^3 - 55230500x^2 + 4772305x - 8838)}{(x - 1)(100x - 1)(1000x - 1)(10x - 1)}$$

Sequence: A247004
Score: 5.91312
Type of gen. func.: ogf

$$-(x^{15} + 2x^{14} + x^{13} + x^{12} + x^{11} + 2x^{10} + x^9 + 4x^8 + x^7 + 2x^6 + x^5 + 2x^4 + x^3 + 2x^2 + x + 4) / ((x - 1)(x + 1)(x^2 + 1)(x^4 + 1)(x^8 + 1))$$

Sequence: A247007
Score: 9.91397
Type of gen. func.: lgdegf]

$$-\frac{-2x^{23} - x^{20} + 529079040x + 529079040}{x^{22} - x^{21} + x^{20} + 529079040x^3 - 529079040}$$

Sequence: A247018
Score: 8.75149
Type of gen. func.: ogf

$$-\frac{3x^4 + 2x^3 - 4x^2 + 2x + 3}{(x + 1)^2(x - 1)^3}$$

Sequence: A247029
Score: 3.91109

Type of gen. func.: ogf

$\{(6912 n^3 + 31104 n^2 + 42768 n + 17496) a(n + 1)$

$+ (n^3 + 9 n^2 + 26 n + 24) a(n + 4), a(0) = 1, a(1) = 3, a(2) = -18,$

$a(3) = 180\}$

Sequence: A247035
Score: 8.52423
Type of gen. func.: ogf

$$\frac{2 (x + 1) (x^4 + 6 x^3 + 5 x^2 + 6 x + 1)}{(x^2 - 3 x + 1) (x^4 + 3 x^3 + 8 x^2 + 3 x + 1)}$$

Sequence: A247049
Score: 11.5581
Type of gen. func.: ogf

$$- \frac{x^5 + x^4 - x^3 + 1}{x^6 + x^3 - 1}$$

Sequence: A247050
Score: 11.4985
Type of gen. func.: ogf

$$- \frac{x (x^7 + x^4 + x^2 + 1)}{(x + 1) (x^2 - x + 1) (x^6 + x^3 - 1)}$$

Sequence: A247051
Score: 10.8970
Type of gen. func.: ogf

$$\frac{x^2 (x^6 - x^4 - x^2 - 1)}{(x + 1) (x^2 - x + 1) (x^6 + x^3 - 1)}$$

Sequence: A247060
Score: 9.83617
Type of gen. func.: ogf

$$\frac{(x + 1) (4 x^3 + 3 x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A247061
Score: 11.0424
Type of gen. func.: ogf

$$\frac{8 x^2 + 7 x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A247061
Score: 3.91622
Type of gen. func.: ogf

$\{(-16 n - 57) a(n + 1) - 16 a(n + 2) - 16 a(n + 3) + (16 n + 41) a(n + 4),$

$a(0) = 1, a(1) = 8, a(2) = 16, a(3) = 17\}$

Sequence: A247061
Score: 5.34594
Type of gen. func.: ogf

$$-(250080 f(x) + 3438293) (f(x) x^4 - f(x) x^3 - f(x) x - 8 x^2 + f(x) - 7 x - 1)$$

Sequence: A247062
Score: 6.85505
Type of gen. func.: ogf

$$\frac{4 x^7 + x^6 + 3 x^5 + 2 x^4 + x^3 + 3 x^2 + x + 1}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A247063
Score: 6.83347
Type of gen. func.: ogf

$$\frac{3 x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + 2 x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}{(x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A247065
Score: 9.53135
Type of gen. func.: ogf

$$\frac{(x + 1) (15 x^5 - 6 x^4 + 14 x^3 - 6 x^2 + 14 x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A247066
Score: 7.93898
Type of gen. func.: ogf

$$\frac{5 x^{10} + 3 x^9 + 3 x^8 + 4 x^7 + x^6 + 4 x^5 + 4 x^4 + 2 x^3 + 4 x^2 + x + 1}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A247076
Score: 13.3288
Type of gen. func.: ogf

$$\frac{(x - 1) (x^2 + x + 1)}{5 x^3 + 2 x^2 + 2 x - 1}$$

Sequence: A247076
Score: 5.71235
Type of gen. func.: ogf

$\{a(n + 4) - 2 a(n + 3) - 2 a(n + 2) - 5 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 6,$

$a(3) = 20\}$

Sequence: A247076
Score: 6.78342
Type of gen. func.: ogf

$$-(11 f(x) - 5) (5 f(x) x^3 + 2 f(x) x^2 - x^3 + 2 f(x) x - f(x) + 1)$$

Sequence: A247076
Score: 7.23564
Type of gen. func.: lgdogf

$$-\frac{-2 x^4 - 4 x^3 - 12 x^2 - 4 x - 2}{5 x^6 + 2 x^5 + 2 x^4 - 6 x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A247102
Score: 3.81505
Type of gen. func.: ogf

$$3 f(x)^2 x^4 + 9 f(x)^2 x^3 + 5 f(x)^2 x^2 + 6 f(x) x^3 - f(x)^2 x + 15 f(x) x^2 + 4 f(x) x + 3 x^2 - f(x) + 6 x + 2$$

Sequence: A247107
Score: 9.21498
Type of gen. func.: ogf

$$-\frac{x (10 x^{10} - 10 x^9 + 1)}{(10 x^9 - 1) (x - 1)^2}$$

Sequence: A247112
Score: 4.31721
Type of gen. func.: ogf

$$\{(n^2 + 7 n + 10) a(n + 1) + (10 n^2 + 90 n + 214) a(n + 2)$$

$+ (-11 n^2 - 49 n - 54) a(n + 3), a(0) = 0, a(1) = 8, a(2) = 67\}$

Sequence: A247112
Score: 8.44873
Type of gen. func.: ogf

$$- \frac{x (x^3 + 12 x^2 + 27 x + 8)}{(x - 1)^5}$$

Sequence: A247112
Score: 9.03140
Type of gen. func.: lgdogf

$$- \frac{2 x^3 + 39 x^2 + 132 x + 67}{x^4 + 11 x^3 + 15 x^2 - 19 x - 8}$$

Sequence: A247121
Score: 13.1530
Type of gen. func.: ogf

$$\frac{4 x^3 - 1}{20 x^3 + 8 x^2 + 2 x - 1}$$

Sequence: A247121
Score: 5.65093
Type of gen. func.: ogf

$\{a(n + 4) - 2 a(n + 3) - 8 a(n + 2) - 20 a(n + 1), a(0) = 1, a(1) = 2,$

$a(2) = 12, a(3) = 56\}$

Sequence: A247121
Score: 6.87273
Type of gen. func.: ogf

3 2 3

$$(121 f(x) - 97) (20 f(x) x + 8 f(x) x - 4 x + 2 f(x) x - f(x) + 1)$$

Sequence: A247121
Score: 6.87275
Type of gen. func.: lgdogf

$$-\frac{32 x^4 + 16 x^3 + 48 x^2 + 16 x + 2}{-80 x^6 - 32 x^5 - 8 x^4 + 24 x^3 + 8 x^2 + 2 x - 1}$$

Sequence: A247124
Score: 6.87443
Type of gen. func.: ogf

$$-\frac{(x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2}{x^{15} + x^{13} + x^{11} - 3 x^{10} - 2 x^8 - 2 x^6 + 6 x^5 + x^3 + x - 1}$$

Sequence: A247125
Score: 12.8581
Type of gen. func.: ogf

$$-\frac{1}{2 x^6 + 6 x^5 + 12 x^4 + x^3 + 2 x^2 - 1}$$

Sequence: A247125
Score: 7.38152
Type of gen. func.: lgdogf

$$-\frac{12 x^5 + 30 x^4 + 48 x^3 + 3 x^2 + 4 x}{2 x^6 + 6 x^5 + 12 x^4 + x^3 + 2 x^2 - 1}$$

Sequence: A247128
Score: 8.59708
Type of gen. func.: ogf

4   3   2

$$\frac{5 x + 4 x + 4 x + 4 x + 5}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A247155
Score: 23.8251
Type of gen. func.: ogf

$$(292 f(x) - 11969) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 29 x + 32)$$

Sequence: A247155
Score: 24.2324
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 32, a(1) = 125, a(2) = 280\}$$

Sequence: A247155
Score: 41.0897
Type of gen. func.: lgdogf

$$- \frac{-x^2 - 60 x - 125}{-x^3 - 28 x^2 - 3 x + 32}$$

Sequence: A247155
Score: 45.0030
Type of gen. func.: ogf

$$- \frac{x^2 + 29 x + 32}{(x - 1)^3}$$

Sequence: A247160
Score: 5.76543
Type of gen. func.: ogf

$$(2 x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)$$

/ 2 4 3 2 8 7 5 4 3

```
      /  ((x  + x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x  + x  - x + 1)
     /

           2
    (x - 1) )
```

Sequence: A247161
Score: 8.00891
Type of gen. func.: ogf

```
             10    9    8      7    6      5    4    3      2
          3 x   + x  + x  + 2 x  + x  + 2 x  + x  + x  + 2 x  + x + 1
         --------------------------------------------------------------
           10    9    8    7    6    5    4    3    2                 2
         (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x - 1)
```

Sequence: A247162
Score: 6.74938
Type of gen. func.: ogf

```
               2  2       2           2               2
          -f(x)  x  - f(x)  x + f(x) x  + 2 f(x) x - x  + f(x) - x - 1
```

Sequence: A247171
Score: 4.26647
Type of gen. func.: ogf

```
      2  4          2  3          2  2            3       2              2    3
4 f(x)  x  + 8 f(x)  x  + 4 f(x)  x  + 4 f(x) x  - f(x)  x + 4 f(x) x  + x

          2      2
     - f(x)  + 4 x  - f(x) + 4 x + 2
```

Sequence: A247172
Score: 7.48729
Type of gen. func.: revogf

```
                      2       4      3      2     1/2
                  -2 x  + (4 x  + 8 x  + 4 x  + 1)    - 2 x - 1
                - ---------------------------------------------
                                   2 (x + 1)
```

Sequence: A247172
Score: 8.10388
Type of gen. func.: ogf

$$2 f(x)^2 x - f(x) x^2 + 2 f(x) x - x^2 - f(x) + x$$

Sequence: A247188
Score: 10.8758
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 10 x^2 + 19 x - 9}{2 x^4 - 9 x^3 + 16 x^2 - 12 x + 3}$$

Sequence: A247188
Score: 13.2400
Type of gen. func.: ogf

$$- \frac{x^3 (x^2 - 3 x + 3)}{(2 x - 1) (x - 1)^2}$$

Sequence: A247188
Score: 5.34247
Type of gen. func.: ogf

{(-2 n - 4) a(n + 1) + (3 n + 4) a(n + 2) + (-n - 1) a(n + 3), a(0) = 0,

a(1) = 0, a(2) = 0, a(3) = 3, a(4) = 9}

Sequence: A247188
Score: 7.94402
Type of gen. func.: ogf

$$-f(x) (x^5 + 2 f(x) x^3 - 3 x^4 - 5 f(x) x^2 + 3 x^3 + 4 f(x) x - f(x))$$

Sequence: A247195
Score: 8.52736
Type of gen. func.: ogf

$$-f(x) x^2 - 2 f(x)^2 + 2 f(x) x - x^2 + f(x) - x$$

Sequence: A247215
Score: 13.6235
Type of gen. func.: ogf

$$-\frac{8 x}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A247215
Score: 5.56787
Type of gen. func.: ogf

$$\{a(n + 3) - 35 a(n + 2) + 35 a(n + 1) - a(n), a(0) = 0, a(1) = 8, a(2) = 280\}$$

Sequence: A247215
Score: 8.10514
Type of gen. func.: ogf

$$f(x) x^3 - 35 f(x) x^2 + 35 f(x) x - f(x) + 8 x$$

Sequence: A247215
Score: 9.41625
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 70 x + 35}{x^3 - 35 x^2 + 35 x - 1}$$

Sequence: A247235
Score: 7.17799
Type of gen. func.: ogf

$$-\frac{(2 x + 1) (4 x^2 + 1) (19 x^4 + 1) (1800829 x^8 + 1)}{21350096865126907517 x^{16} - 1}$$

Sequence: A247247

Score: 7.56603
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^4 + 2 x^3 + 19 x^2 + 2 x + 1)}{(x - 1) (x^2 + x + 1) (x^6 - 98 x^3 + 1)}$$

Sequence: A247249
Score: 16.6263
Type of gen. func.: lgdegf]

$$-\frac{-1 - x}{1 - 2 x}$$

Sequence: A247249
Score: 4.96307
Type of gen. func.: ogf

$\{(-2 - n) a(n + 1) + (-2 n - 5) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 1,$

$a(2) = 4\}$

Sequence: A247281
Score: 10.1505
Type of gen. func.: ogf

$$-4 f(x) x^2 - 3 f(x) x + f(x) - 5 x$$

Sequence: A247281
Score: 12.4766
Type of gen. func.: lgdogf

$$-\frac{-8 x - 3}{-4 x^2 - 3 x + 1}$$

Sequence: A247281
Score: 16.1859
Type of gen. func.: ogf

$$-\frac{5x}{(x+1)(4x-1)}$$

Sequence: A247281
Score: 7.39357
Type of gen. func.: ogf

$$\{-a(n+2)+3\,a(n+1)+4\,a(n),\ a(0)=0,\ a(1)=5\}$$

Sequence: A247283
Score: 12.8231
Type of gen. func.: ogf

$$\frac{3x^5-x^3+x^2-7x-5}{2x^2-1}$$

Sequence: A247283
Score: 7.57727
Type of gen. func.: lgdogf

$$-\frac{-18x^6+17x^4-17x^2-18x-7}{6x^7-5x^5+2x^4-13x^3-11x^2+7x+5}$$

Sequence: A247284
Score: 8.63817
Type of gen. func.: ogf

$$-\frac{10x^6-10x^5+x^4+x^3+5x^2-2x-4}{(x-1)(3x^2-1)}$$

Sequence: A247291
Score: 7.77054
Type of gen. func.: ogf

$$f(x)^2\,x^3-f(x)\,x^4+f(x)\,x^2+f(x)\,x-f(x)+1$$

Sequence: A247301
Score: 7.76609
Type of gen. func.: ogf

$$-\frac{(x^4+x^3+x^2+x+1)(x^{10}-x^9+2x^7-2x^6+x^4-x+1)}{2x^9+2x^6-1}$$

Sequence: A247302
Score: 11.7106
Type of gen. func.: ogf

$$-\frac{x(x^7+x^4+x^2+1)}{2x^9+2x^6-1}$$

Sequence: A247309
Score: 11.5575
Type of gen. func.: ogf

$$\frac{x^5+x^4-2x^3+1}{x^6-3x^3+1}$$

Sequence: A247310
Score: 8.25282
Type of gen. func.: ogf

$$-\frac{x^{10}-x^7+x^6-x^5-x^4-1}{(x^6+x^3-1)(x^6-x^3-1)}$$

Sequence: A247311
Score: 7.02352
Type of gen. func.: ogf

7   3   2

$$\frac{x + x - x - x - 1}{(x^2 + x + 1)(x^6 + 2x^3 - 1)}$$

Sequence: A247313
Score: 10.2711
Type of gen. func.: lgdogf

$$-\frac{-40x^2 + 20x - 3}{-40x^3 + 38x^2 - 11x + 1}$$

Sequence: A247313
Score: 15.4066
Type of gen. func.: ogf

$$-\frac{4x - 1}{(5x - 1)(2x - 1)}$$

Sequence: A247313
Score: 7.70333
Type of gen. func.: ogf

$$-(31 f(x) + 50)(10 f(x) x^2 - 7 f(x) x + f(x) + 4x - 1)$$

Sequence: A247313
Score: 8.53861
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) + 10 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A247321
Score: 5.59778
Type of gen. func.: ogf

$$\frac{2x^{15} + x^{14} - x^{13} - x^{12} + 2x^{11} + x^{10} + x^9 - 2x^8 + x^6 + x^5 + 1}{x^{16} - 2x^{12} - 3x^8 + 1}$$

Sequence: A247322
Score: 10.5791
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x + 1)}{x^4 - 2 x^3 - 3 x^2 + 1}$$

Sequence: A247322
Score: 6.22801
Type of gen. func.: ogf

$$-(52 f(x) + 3) (f(x) x^4 - 2 f(x) x^3 - 3 f(x) x^2 - x^3 - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A247323
Score: 11.6177
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^2 + x - 1)}{x^4 - 2 x^3 - 3 x^2 + 1}$$

Sequence: A247323
Score: 6.51727
Type of gen. func.: ogf

$\{a(n + 4) - 3 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 1, a(1) = 0, a(2) = 1,$

$a(3) = 1\}$

Sequence: A247323
Score: 6.73633
Type of gen. func.: ogf

$$-(4 f(x) - 3) (f(x) x^4 - 2 f(x) x^3 - 3 f(x) x^2 + x^3 + 2 x^2 + f(x) - 1)$$

Sequence: A247325
Score: 11.6854
Type of gen. func.: ogf

$$\frac{x (x^2 + x + 1)}{x^4 - 2 x^3 - 3 x^2 + 1}$$

Sequence: A247325
Score: 6.89138
Type of gen. func.: ogf

$$(17 f(x) + 18) (f(x) x^4 - 2 f(x) x^3 - 3 f(x) x^2 - x^3 - x^2 + f(x) - x)$$

Sequence: A247325
Score: 7.75281
Type of gen. func.: lgdogf

$$- \frac{2 x^5 + x^4 - 9 x^2 - 8 x - 1}{x^6 - x^5 - 4 x^4 - 5 x^3 - 2 x^2 + x + 1}$$

Sequence: A247326
Score: 12.3494
Type of gen. func.: ogf

$$\frac{2 x^2 (x + 1)}{x^4 - 2 x^3 - 3 x^2 + 1}$$

Sequence: A247326
Score: 9.01919
Type of gen. func.: ogf

$$-f(x) x^4 + 2 f(x) x^3 + 3 f(x) x^2 + 2 x^3 + 2 x^2 - f(x)$$

Sequence: A247326
Score: 9.12168

Type of gen. func.: lgdogf

$$-\frac{3 x^4 - 9 x^2 - 6 x - 1}{x^5 - x^4 - 5 x^3 - 3 x^2 + x + 1}$$

Sequence: A247328
Score: 10.1052
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A247328
Score: 13.1528
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + x + 1$$

Sequence: A247328
Score: 18.4139
Type of gen. func.: ogf

$$\frac{x + 1}{(x - 1)^2}$$

Sequence: A247328
Score: 18.8324
Type of gen. func.: lgdogf

$$-\frac{x + 3}{x^2 - 1}$$

Sequence: A247328
Score: 39.3060
Type of gen. func.: ogf_with_Euler_transform]

$$[3 - x]$$

Sequence: A247333
Score: 7.20664
Type of gen. func.: ogf

$$f(x)^2 x^2 + f(x)^2 x - f(x) x^2 - f(x) x + x^2 - f(x) + x + 1$$

Sequence: A247335
Score: 4.59898
Type of gen. func.: ogf

$$(2133720 f(x) - 458999) (f(x) x^3 - 39 f(x) x^2 + 39 f(x) x + 10 x^2 - f(x) - 29 x + 1)$$

Sequence: A247335
Score: 4.95274
Type of gen. func.: ogf

$\{-a(n + 3) + 39 a(n + 2) - 39 a(n + 1) + a(n), a(0) = 1, a(1) = 10, a(2) = 361\}$

Sequence: A247335
Score: 8.91494
Type of gen. func.: ogf

$$-\frac{10 x^2 - 29 x + 1}{(x - 1) (x^2 - 38 x + 1)}$$

Sequence: A247344
Score: 2.86399
Type of gen. func.: ogf

$$(20 f(x) - 33) (1280 x^5 f(x) - 1600 f(x) x^4 + 800 f(x) x^3 + 976 x^4 - 200 f(x) x^2 - 624 x^3 + 25 f(x) x + 176 x^2 - f(x) - 24 x + 1)$$

Sequence: A247344
Score: 4.72171
Type of gen. func.: ogf

$$-\frac{976 x^4 - 624 x^3 + 176 x^2 - 24 x + 1}{1280 x^5 - 1600 x^4 + 800 x^3 - 200 x^2 + 25 x - 1}$$

Sequence: A247352
Score: 6.51724
Type of gen. func.: ogf

$$\frac{x (x + 1) (x^{13} - x^{12} + x^{11} - 2 x^{10} + 3 x^9 - x^8 + x^5 + x^2 - x + 1)}{x^{16} - 2 x^{12} - 3 x^8 + 1}$$

Sequence: A247353
Score: 12.0439
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x + 1)}{x^4 - 2 x^3 - 3 x^2 + 1}$$

Sequence: A247353
Score: 6.69104
Type of gen. func.: ogf

$$-(14 f(x) + 13) (f(x) x^4 - 2 f(x) x^3 - 3 f(x) x^2 - 2 x^2 + f(x) - 3 x - 1)$$

Sequence: A247354
Score: 12.5717
Type of gen. func.: ogf

$$-\frac{x (x - 1) (x + 1)}{x^4 - 2 x^3 - 3 x^2 + 1}$$

Sequence: A247354

Score: 6.28584
Type of gen. func.: ogf

$$\{-a(n + 4) + 3 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 0, a(3) = 2\}$$

Sequence: A247354
Score: 7.03553
Type of gen. func.: ogf

$$(29 f(x) - 10) (f(x) x^4 - 2 f(x) x^3 - 3 f(x) x^2 + x^3 + f(x) - x)$$

Sequence: A247354
Score: 7.37378
Type of gen. func.: lgdogf

$$- \frac{-2 x^5 + 2 x^4 + 4 x^3 - 6 x^2 - 4 x}{-x^6 + 2 x^5 + 4 x^4 - 2 x^3 - 4 x^2 + 1}$$

Sequence: A247355
Score: 12.7060
Type of gen. func.: ogf

$$\frac{x (2 x + 1)}{x^4 - 2 x^3 - 3 x^2 + 1}$$

Sequence: A247355
Score: 7.04605
Type of gen. func.: ogf

$$(143 f(x) + 71) (f(x) x^4 - 2 f(x) x^3 - 3 f(x) x^2 - 2 x^2 + f(x) - x)$$

Sequence: A247355
Score: 7.99037
Type of gen. func.: lgdogf

4   3   2

$$-\frac{-6 x + 4 x + 12 x + 6 x + 2}{-2 x^5 + 3 x^4 + 8 x^3 + 3 x^2 - 2 x - 1}$$

Sequence: A247375
Score: 9.14328
Type of gen. func.: lgdogf

$$-\frac{6 x^4 + 12 x^2 + 4 x + 2}{3 x^5 - x^4 - 2 x^3 + 2 x^2 - x - 1}$$

Sequence: A247375
Score: 9.14328
Type of gen. func.: ogf

$$-\frac{x (3 x^3 - x^2 + x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A247386
Score: 11.7597
Type of gen. func.: lgdegf]

$$-\frac{-x^3 - 3 x^2 - 6 x - 4}{x^2 + 2 x + 2}$$

Sequence: A247386
Score: 4.04635
Type of gen. func.: ogf

$$\{(-n^3 - 7 n^2 - 16 n - 12) a(n + 1) + (-n^2 - 3 n) a(n + 2) + (n^2 + n) a(n + 3),$$

$$a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 6\}$$

Sequence: A247387
Score: 9.53442
Type of gen. func.: ogf

$$-\frac{7x^6+8x^5+14x^4+42x^3+21x^2+42x+21}{(x-1)(x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A247390
Score: 7.25966
Type of gen. func.: ogf

$$-\frac{10x^9+11x^8+20x^7+41x^6+40x^5+11x^4+11x^3+21x^2+40x+41}{(x-1)(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)}$$

Sequence: A247391
Score: 6.30451
Type of gen. func.: ogf

$$-(11x^{10}+12x^9+22x^8+55x^7+110x^6+110x^5+110x^4+55x^3+55x^2+55x+110)\Big/\left((x-1)(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)\right)$$

Sequence: A247397
Score: 5.53362
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A247399
Score: 5.30688
Type of gen. func.: ogf

$$-4(336x^9+278x^8+226x^7+180x^6+140x^5-132x^4-107x^3-85x^2-66x-50)\Big/\left((4x^5-1)(2x^5-1)\right)$$

Sequence: A247405
Score: 3.48498
Type of gen. func.: ogf

$$\frac{40 x (17 x^8 + x^7 + 12 x^6 + 10 x^5 + 12 x^4 + 11 x^3 + 6 x^2 + 2 x + 1)}{(x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^6}$$

Sequence: A247452
Score: 27.8356
Type of gen. func.: lgdegf]

$$3 \exp(3 x)$$

Sequence: A247473
Score: 12.3401
Type of gen. func.: ogf

$$- \frac{2048 x^8 + 64 x^4 + 16 x^3 + 2 x + 1}{2 x - 1}$$

Sequence: A247487
Score: 7.64561
Type of gen. func.: ogf

$$- \frac{8 x^7 + 4 x^6 + 2 x^5 + x^4 - x^3 - x^2 - x - 2}{(2 x^2 - x + 1) (2 x^2 + x + 1) (4 x^4 - 3 x^2 + 1)}$$

Sequence: A247518
Score: 7.11532
Type of gen. func.: ogf

$$- \frac{256 x^4 - 144 x^3 + 45 x^2 - 9 x + 1}{(4 x - 1) (16 x^2 - 6 x + 1) (16 x^2 - x + 1)}$$

Sequence: A247526
Score: 7.31615
Type of gen. func.: ogf

$$-\frac{4x^4-6x^3+24x^2+4x-1}{(x-1)(x^2+3x+1)(x^2-7x+1)}$$

Sequence: A247527
Score: 9.13606
Type of gen. func.: ogf

$$-\frac{108x^4-20x^3-16x^2-12x-33}{(x-1)(2x^2-1)(2x^2+1)}$$

Sequence: A247528
Score: 5.62295
Type of gen. func.: ogf

$$-\frac{2(32x^6-9x^5-38x^4+6x^3-26x^2-20x+44)}{(x-1)(x^6-x^4-x^2-x+1)}$$

Sequence: A247534
Score: 6.89944
Type of gen. func.: ogf

$$-\frac{x^5-2x^4-32x^3-38x^2-29x-8}{(x+1)^2(x-1)^4}$$

Sequence: A247535
Score: 3.64207
Type of gen. func.: ogf

$$-(x^{11}-120x^9-330x^8-661x^7-892x^6-963x^5-774x^4-484x^3-212x^2-61x-8) \Big/ \left((x^2+1)(x^2+x+1)^2(x+1)^2(x-1)^4\right)$$

/

Sequence: A247541
Score: 12.7084
Type of gen. func.: lgdogf

$$-\frac{-8 x^2 - 26 x - 8}{-8 x^3 + 3 x^2 + 4 x + 1}$$

Sequence: A247541
Score: 13.5417
Type of gen. func.: ogf

$$-\frac{8 x^2 + 5 x + 1}{(x - 1)^3}$$

Sequence: A247541
Score: 7.12108
Type of gen. func.: ogf

$$(628 f(x) - 2743) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 8 x^2 - f(x) + 5 x + 1)$$

Sequence: A247541
Score: 7.31013
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 8, a(2) = 29\}$$

Sequence: A247555
Score: 8.00072
Type of gen. func.: ogf

$$\frac{x (4 x^6 + 2 x^5 + x^4 + 8 x^3 + 4 x^2 + 2 x + 1)}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A247560
Score: 11.5014
Type of gen. func.: lgdogf

$$-\frac{8x^2 - 8x + 1}{8x^3 - 10x^2 + 5x - 1}$$

Sequence: A247560
Score: 16.6131
Type of gen. func.: ogf

$$-\frac{2x - 1}{4x^2 - 3x + 1}$$

Sequence: A247560
Score: 8.79516
Type of gen. func.: ogf

$$(5 f(x) - 6) (4 f(x) x^2 - 3 f(x) x + f(x) + 2 x - 1)$$

Sequence: A247560
Score: 9.11693
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A247563
Score: 10.8495
Type of gen. func.: lgdogf

$$-\frac{12x^2 - 16x + 3}{12x^3 - 17x^2 + 9x - 2}$$

Sequence: A247563

Score: 16.3948
Type of gen. func.: ogf

$$-\frac{3x-2}{4x^2-3x+1}$$

Sequence: A247563
Score: 8.57864
Type of gen. func.: ogf

$$(7f(x)-23)(4f(x)x^2-3f(x)x+f(x)+3x-2)$$

Sequence: A247563
Score: 8.99712
Type of gen. func.: ogf

$$\{-a(n+2)+3a(n+1)-4a(n), a(0)=2, a(1)=3\}$$

Sequence: A247564
Score: 11.1679
Type of gen. func.: ogf

$$-\frac{(x+1)(2x^2+x-2)}{4x^4-3x^2+1}$$

Sequence: A247564
Score: 6.78422
Type of gen. func.: ogf

$$-(22f(x)-41)(4f(x)x^4-3f(x)x^2+2x^3+3x^2+f(x)-x-2)$$

Sequence: A247565
Score: 12.9025
Type of gen. func.: ogf

$$8x^2-7x+2$$
$$- \text{-------------------------}$$

$$(2 x - 1) (4 x^2 - 3 x + 1)$$

Sequence: A247565
Score: 7.01713
Type of gen. func.: ogf

$$(11 f(x) - 40) (8 f(x) x^3 - 10 f(x) x^2 + 5 f(x) x + 8 x^2 - f(x) - 7 x + 2)$$

Sequence: A247565
Score: 7.07924
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 10 a(n + 1) - 8 a(n), a(0) = 2, a(1) = 3, a(2) = 3\}$$

Sequence: A247565
Score: 7.40698
Type of gen. func.: lgdogf

$$- \frac{-64 x^4 + 112 x^3 - 78 x^2 + 24 x - 3}{-64 x^5 + 136 x^4 - 126 x^3 + 63 x^2 - 17 x + 2}$$

Sequence: A247584
Score: 4.8176
Type of gen. func.: ogf

$$-(f(x) - 5) (3 x^5 f(x) - 5 f(x) x^4 + 10 f(x) x^3 + x^4 - 10 f(x) x^2 - 4 x^3$$
$$+ 5 f(x) x + 6 x^2 - f(x) - 4 x + 1)$$

Sequence: A247584
Score: 8.57026
Type of gen. func.: ogf

$$- \frac{(x - 1)^4}{3 x^5 - 5 x^4 + 10 x^3 - 10 x^2 + 5 x - 1}$$

Sequence: A247591
Score: 3.73443
Type of gen. func.: ogf

$$\{(-144 n^3 - 864 n^2 - 1692 n - 1080) a(n + 1)$$

$$+ (40 n^3 + 396 n^2 + 1268 n + 1320) a(n + 2)$$

$$+ (-n^3 - 17 n^2 - 96 n - 180) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 3\}$$

Sequence: A247594
Score: 12.8970
Type of gen. func.: ogf

$$- \frac{2 x^2 + x + 1}{3 x^3 + x^2 + x - 1}$$

Sequence: A247594
Score: 6.78202
Type of gen. func.: ogf

$$-(16 f(x) - 1) (3 f(x) x^3 + f(x) x^2 + f(x) x + 2 x^2 - f(x) + x + 1)$$

Sequence: A247594
Score: 7.02424
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) + 3 a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A247594
Score: 9.36565
Type of gen. func.: lgdogf

$$- \frac{-6 x^4 - 6 x^3 - 8 x^2 - 6 x - 2}{-6 x^5 - 5 x^4 - 6 x^3 + 1}$$

Sequence: A247595
Score: 12.5640
Type of gen. func.: ogf

$$-\frac{2x^2 - x + 1}{4x^3 - 4x^2 + 4x - 1}$$

Sequence: A247595
Score: 6.78235
Type of gen. func.: ogf

{a(n + 3) - 4 a(n + 2) + 4 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 3, a(2) = 10}

Sequence: A247595
Score: 6.90457
Type of gen. func.: ogf

$$(9 f(x) - 1) (4 f(x) x^3 - 4 f(x) x^2 + 4 f(x) x + 2 x^2 - f(x) - x + 1)$$

Sequence: A247595
Score: 7.74147
Type of gen. func.: lgdogf

$$-\frac{-8x^4 + 8x^3 - 8x^2 + 4x - 3}{-8x^5 + 12x^4 - 16x^3 + 10x^2 - 5x + 1}$$

Sequence: A247608
Score: 10.1452
Type of gen. func.: ogf

$$\frac{10x^3 + 6x^2 + 3x + 1}{(x - 1)^4}$$

Sequence: A247608
Score: 3.86014
Type of gen. func.: ogf

$$\{(-n^2 - 10 n - 16) a(n + 1) + (2 n^2 + 12 n - 5) a(n + 2) + (-n^2 - 2 n + 3) a(n + 3), a(0) = 1, a(1) = 7, a(2) = 28, a(3) = 84, a(4) = 195\}$$

Sequence: A247608
Score: 5.34682
Type of gen. func.: ogf

$$(162560 f(x) + 584837) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 10 x^3 - 4 f(x) x - 6 x^2 + f(x) - 3 x - 1)$$

Sequence: A247608
Score: 9.42058
Type of gen. func.: lgdogf

$$- \frac{-10 x^3 - 42 x^2 - 21 x - 7}{-10 x^4 + 4 x^3 + 3 x^2 + 2 x + 1}$$

Sequence: A247609
Score: 3.58738
Type of gen. func.: ogf

$$\{(n^2 + 12 n + 20) a(n + 1) + (-2 n^2 - 13 n + 18) a(n + 2) + (n^2 + n - 6) a(n + 3), a(0) = 1, a(1) = 9, a(2) = 45, a(3) = 165, a(4) = 495, a(5) = 1231\}$$

Sequence: A247609
Score: 7.65767
Type of gen. func.: lgdogf

$$35 x^4 + 180 x^3 + 90 x^2 + 36 x + 9$$

```
- --------------------------------------
      5       4       3      2
 35 x  - 15 x  - 10 x  - 6 x  - 3 x - 1
```

Sequence: A247609
Score: 8.12651
Type of gen. func.: ogf

$$-\frac{35 x^4 + 20 x^3 + 10 x^2 + 4 x + 1}{(x - 1)^5}$$

Sequence: A247610
Score: 6.75375
Type of gen. func.: ogf

$$\frac{126 x^5 + 70 x^4 + 35 x^3 + 15 x^2 + 5 x + 1}{(x - 1)^6}$$

Sequence: A247611
Score: 5.40734
Type of gen. func.: ogf

$$-\frac{462 x^6 + 252 x^5 + 126 x^4 + 56 x^3 + 21 x^2 + 6 x + 1}{(x - 1)^7}$$

Sequence: A247612
Score: 4.86034
Type of gen. func.: ogf

$$\frac{1716 x^7 + 924 x^6 + 462 x^5 + 210 x^4 + 84 x^3 + 28 x^2 + 7 x + 1}{(x - 1)^8}$$

Sequence: A247613
Score: 3.97812
Type of gen. func.: ogf

$$-\frac{6435x^8+3432x^7+1716x^6+792x^5+330x^4+120x^3+36x^2+8x+1}{(x-1)^9}$$

Sequence: A247614
Score: 3.38749
Type of gen. func.: ogf

$$(24310x^9+12870x^8+6435x^7+3003x^6+1287x^5+495x^4+165x^3+45x^2+9x+1)\Big/(x-1)^{10}$$

Sequence: A247614
Score: 5.28082
Type of gen. func.: ogf_with_Euler_transform]

$$19-24310x^9\left(x^8-\frac{144}{17}x^7+63/2\,x^6-336/5\,x^5+90x^4-\frac{1008}{13}x^3+42x^2-\frac{144}{11}x+9/5\right)$$

Sequence: A247617
Score: 5.60819
Type of gen. func.: ogf

$$-\frac{3x^{11}+x^{10}+x^9-x^8-4x^7-2x^6-4x^5-7x^3-3x^2-5x-1}{(x^4+1)(x-1)^2(x+1)^2(x^2+1)}$$

Sequence: A247618
Score: 12.1597
Type of gen. func.: ogf

$$-\frac{2x^2+x+1}{(2x-1)(x-1)^2}$$

```
------------------------------------------------------------------------------

Sequence:  A247618
Score: 6.56408
Type of gen. func.: ogf


                              3            2                  2
    (41 f(x) - 33) (2 f(x) x  - 5 f(x) x  + 4 f(x) x + 2 x  - f(x) + x + 1)



------------------------------------------------------------------------------

Sequence:  A247618
Score: 6.56409
Type of gen. func.: ogf


  {a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 5, a(2) = 17}



------------------------------------------------------------------------------

Sequence:  A247618
Score: 9.27178
Type of gen. func.: lgdogf


                                     3      2
                                -4 x  - 8 x  - x + 5
                           - ----------------------------
                                  4      3    2
                              -4 x  + 4 x  - x  + 2 x - 1



------------------------------------------------------------------------------

Sequence:  A247619
Score: 10.3931
Type of gen. func.: ogf


                                    3      2
                                2 x  + 3 x  + 4 x + 1
                              - ---------------------
                                      2            2
                                 (2 x  - 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A247619
Score: 3.92289
Type of gen. func.: ogf


{(10 n + 34) a(n + 1) + (-10 n - 24) a(n + 2) + (-5 n - 17) a(n + 3)

     + (5 n + 12) a(n + 4), a(0) = 1, a(1) = 6, a(2) = 16, a(3) = 36}



------------------------------------------------------------------------------

Sequence:  A247619
Score: 5.55742
```

Type of gen. func.: ogf

$$-(35 f(x) - 138)$$

$$(2 f(x) x^4 - 4 f(x) x^3 + f(x) x^2 + 2 x^3 + 2 f(x) x + 3 x^2 - f(x) + 4 x + 1)$$

Sequence: A247619
Score: 7.47916
Type of gen. func.: lgdogf

$$-\frac{-4 x^5 - 16 x^4 - 26 x^3 + 6 x^2 + 14 x + 6}{-4 x^6 - 2 x^5 + 7 x^3 + 3 x^2 - 3 x - 1}$$

Sequence: A247620
Score: 10.9987
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 - 16 x^2 + x + 7}{-4 x^4 + 5 x^2 - 1}$$

Sequence: A247620
Score: 12.4412
Type of gen. func.: ogf

$$-\frac{(x + 1) (2 x + 1)}{(2 x - 1) (x - 1)^2}$$

Sequence: A247620
Score: 6.59923
Type of gen. func.: ogf

$$(393 f(x) - 614) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x + 2 x^2 - f(x) + 3 x + 1)$$

Sequence: A247620
Score: 6.71604
Type of gen. func.: ogf

$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 7, a(2) = 25\}$

Sequence: A247623
Score: 6.11222
Type of gen. func.: ogf

$$-2 f(x)^{2} x^{3} - 4 f(x)^{2} x^{2} + f(x) x^{3} + 2 f(x)^{2} x + f(x) x^{2} - 3 f(x) x + f(x) - 1$$

Sequence: A247630
Score: 4.59998
Type of gen. func.: ogf

$$f(x)^{2} x^{3} - f(x) x^{4} + 2 f(x)^{2} x^{2} - 2 f(x) x^{3} + x^{4} - f(x)^{2} x + 2 f(x) x^{2} + 2 f(x) x - 2 x^{2} - f(x) + 1$$

Sequence: A247641
Score: 6.09481
Type of gen. func.: ogf_with_Euler_transform]

$$-(x^{12} - 2 x^{11} - 4 x^{10} - 2 x^{9} - 2 x^{8} - 2 x^{7} - 2 x^{6} - 2 x^{5} - 2 x^{4} - 2 x^{3} - 2 x^{2} - 3 x) / (x^{11} - 1)$$

Sequence: A247643
Score: 8.95978
Type of gen. func.: ogf

$$-\frac{x^{4} + 2 x^{3} + 4 x^{2} + 2 x + 1}{(x + 1)^{2} (x - 1)^{3}}$$

Sequence: A247698
Score: 10.3972
Type of gen. func.: ogf

{a(n + 2) - a(n + 1) - a(n), a(0) = 2308, a(1) = 4261}

Sequence: A247698
Score: 10.8923
Type of gen. func.: lgdogf

$$-\frac{-1953 x^2 - 4616 x - 4261}{-1953 x^3 - 4261 x^2 - 355 x + 2308}$$

Sequence: A247698
Score: 17.9403
Type of gen. func.: ogf

$$-\frac{1953 x + 2308}{x^2 + x - 1}$$

Sequence: A247698
Score: 9.14954
Type of gen. func.: ogf

$$(8877 f(x) - 2331995) (f(x) x^2 + f(x) x - f(x) + 1953 x + 2308)$$

Sequence: A247720
Score: 8.39221
Type of gen. func.: ogf

$$-\frac{2 (54 x^4 + 5 x^3 + 4 x^2 + 3 x - 24)}{(2 x - 1) (2 x^4 - 1)}$$

Sequence: A247727
Score: 13.5826
Type of gen. func.: lgdogf

$$-\frac{-3 x^2 - 6 x - 6}{3}$$

$$-x + 1$$

Sequence: A247727
Score: 28.0032
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^2 + 6]$$

Sequence: A247727
Score: 4.17926
Type of gen. func.: ogf

$$\{(-n - 4)\ a(n + 4) + 6\ a(n + 3) + 6\ a(n + 2) + (n + 4)\ a(n + 1),\ a(0) = 8,$$
$$a(1) = 48,\ a(2) = 168,\ a(3) = 440\}$$

Sequence: A247727
Score: 8.94044
Type of gen. func.: ogf

$$-\frac{8\ (x^2 + x + 1)}{(x - 1)^5}$$

Sequence: A247728
Score: 5.47261
Type of gen. func.: ogf

$$\frac{2\ (23\ x^5 + 40\ x^4 + 80\ x^3 + 64\ x^2 + 29\ x + 4)}{(x + 1)^2\ (x - 1)^6}$$

Sequence: A247792
Score: 13.7200
Type of gen. func.: lgdogf

$$-\frac{10\ x^2 + 34\ x + 10}{10\ x^3 - 3\ x^2 - 6\ x - 1}$$

Sequence: A247792
Score: 15.0477
Type of gen. func.: ogf

$$-\frac{(2 x + 1) (5 x + 1)}{(x - 1)^3}$$

Sequence: A247792
Score: 8.04275
Type of gen. func.: ogf

$$(116 f(x) - 665) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 10 x^2 - f(x) + 7 x + 1)$$

Sequence: A247792
Score: 8.18385
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 10, a(2) = 37\}$$

Sequence: A247817
Score: 12.7146
Type of gen. func.: ogf

$$-4 f(x) x^2 + 5 f(x) x - f(x) + 16 x$$

Sequence: A247817
Score: 15.8932
Type of gen. func.: lgdogf

$$-\frac{8 x - 5}{4 x^2 - 5 x + 1}$$

Sequence: A247817
Score: 20.0757
Type of gen. func.: ogf

$$\frac{16 x}{(4 x - 1) (x - 1)}$$

Sequence: A247817
Score: 9.30335
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 16\}$$

Sequence: A247829
Score: 8.01124
Type of gen. func.: ogf

$$\frac{x (3 x^7 - 3 x^6 - 14 x^4 - 6 x^3 - 2 x^2 + 3 x + 1)}{(x - 1)^3 (x^2 + x + 1)^3}$$

Sequence: A247840
Score: 10.8588
Type of gen. func.: ogf

$$-6 f(x) x^2 + 7 f(x) x - f(x) + 36 x$$

Sequence: A247840
Score: 13.2965
Type of gen. func.: lgdogf

$$- \frac{12 x - 7}{6 x^2 - 7 x + 1}$$

Sequence: A247840
Score: 17.1454
Type of gen. func.: ogf

$$\frac{36 x}{(6 x - 1) (x - 1)}$$

Sequence: A247840
Score: 7.94545
Type of gen. func.: ogf

$$\{a(n+2) - 7 a(n+1) + 6 a(n), a(0) = 0, a(1) = 36\}$$

Sequence: A247841
Score: 11.0842
Type of gen. func.: ogf

$$-8 f(x) x^2 + 9 f(x) x - f(x) + 64 x$$

Sequence: A247841
Score: 13.5725
Type of gen. func.: lgdogf

$$-\frac{16 x - 9}{8 x^2 - 9 x + 1}$$

Sequence: A247841
Score: 17.5014
Type of gen. func.: ogf

$$\frac{64 x}{(8 x - 1) (x - 1)}$$

Sequence: A247841
Score: 8.11039
Type of gen. func.: ogf

$$\{a(n+2) - 9 a(n+1) + 8 a(n), a(0) = 0, a(1) = 64\}$$

Sequence: A247842
Score: 11.3936
Type of gen. func.: ogf

2

$$-9 f(x) x + 10 f(x) x - f(x) + 81 x$$

Sequence: A247842
Score: 13.6276
Type of gen. func.: lgdogf

$$-\frac{18 x - 10}{9 x^{2} - 10 x + 1}$$

Sequence: A247842
Score: 17.8207
Type of gen. func.: ogf

$$\frac{81 x}{(9 x - 1) (x - 1)}$$

Sequence: A247842
Score: 8.37360
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 9 a(n), a(0) = 0, a(1) = 81\}$$

Sequence: A247850
Score: 6.54644
Type of gen. func.: ogf

$$-\frac{8 x (x^{4} - 4 x^{3} - 474 x^{2} - 4 x + 1)}{(x - 1)^{6}}$$

Sequence: A247850
Score: 7.04522
Type of gen. func.: lgdogf

$$-\frac{-2 x^{4} + 8 x^{3} + 1908 x^{2} + 968 x - 2}{-x^{5} + 5 x^{4} + 470 x^{3} - 470 x^{2} - 5 x + 1}$$

Sequence: A247851
Score: 4.89270
Type of gen. func.: ogf

$$-\frac{8\,(23 x^6 - 264 x^5 + 2971 x^4 + 3496 x^3 - 579 x^2 + 128 x - 15)}{(x - 1)^7}$$

Sequence: A247852
Score: 4.33268
Type of gen. func.: ogf

$$\frac{16 x\,(29 x^6 - 426 x^5 + 4803 x^4 + 31508 x^3 + 4803 x^2 - 426 x + 29)}{(x - 1)^8}$$

Sequence: A247853
Score: 3.40270
Type of gen. func.: ogf

$$16\,(103 x^8 - 872 x^7 + 948 x^6 - 319064 x^5 - 332294 x^4 + 9768 x^3 - 4652 x^2 + 1048 x - 105) \Big/ (x - 1)^9$$

Sequence: A247884
Score: 5.17041
Type of gen. func.: ogf

$$-\frac{5 x^7 + 7 x^6 + 21 x^5 - 56 x^4 + 14 x^3 + 24 x^2 - 67 x + 9}{(10 x - 1)(x + 1)(x^2 - x + 1)(x - 1)^2}$$

Sequence: A247903
Score: 10.2514
Type of gen. func.: ogf

$$2 x^3 + 2 x^2 + 3 x + 1$$

$$-\frac{\qquad}{(2 x^2 - 1) (x - 1)^2}$$

Sequence: A247903
Score: 3.86940
Type of gen. func.: ogf

$$\{(16 n + 54) a(n + 1) + (-16 n - 38) a(n + 2) + (-8 n - 27) a(n + 3) + (8 n + 19) a(n + 4), a(0) = 1, a(1) = 5, a(2) = 13, a(3) = 29\}$$

Sequence: A247903
Score: 5.44384
Type of gen. func.: ogf

$$-(176 f(x) - 507) (2 f(x) x^4 - 4 f(x) x^3 + f(x) x^2 + 2 x^3 + 2 f(x) x + 2 x^2 - f(x) + 3 x + 1)$$

Sequence: A247903
Score: 7.97330
Type of gen. func.: lgdogf

$$-\frac{4 x^5 + 12 x^4 + 20 x^3 - 4 x^2 - 11 x - 5}{4 x^6 - 4 x^3 - 3 x^2 + 2 x + 1}$$

Sequence: A247904
Score: 12.3849
Type of gen. func.: ogf

$$-\frac{2 x^2 + 2 x + 1}{(2 x - 1) (x - 1)^2}$$

Sequence: A247904
Score: 6.56937
Type of gen. func.: ogf

3 2 2

$(355 f(x) - 418) (2 f(x) x - 5 f(x) x + 4 f(x) x + 2 x - f(x) + 2 x + 1)$

Sequence: A247904
Score: 6.68565
Type of gen. func.: ogf

$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 6, a(2) = 21\}$

Sequence: A247904
Score: 9.81140
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 - 12 x^2 + 6}{-4 x^4 + 2 x^3 + 2 x^2 + x - 1}$$

Sequence: A247905
Score: 10.5642
Type of gen. func.: lgdogf

$$-\frac{-4 x^5 - 20 x^4 - 32 x^3 + 8 x^2 + 17 x + 7}{-4 x^6 - 4 x^5 + 10 x^3 + 3 x^2 - 4 x - 1}$$

Sequence: A247905
Score: 14.8173
Type of gen. func.: ogf

$$-\frac{2 x^3 + 4 x^2 + 5 x + 1}{(2 x^2 - 1) (x - 1)^2}$$

Sequence: A247905
Score: 5.53850
Type of gen. func.: ogf

$$\{(24 n + 82) a(n + 1) + (-24 n - 58) a(n + 2) + (-12 n - 41) a(n + 3)$$
$$+ (12 n + 29) a(n + 4), a(0) = 1, a(1) = 7, a(2) = 19, a(3) = 43\}$$

Sequence: A247905
Score: 7.81462
Type of gen. func.: ogf

$$-(408 f(x) - 2045)$$

$$(2 f(x) x^4 - 4 f(x) x^3 + f(x) x^2 + 2 x^3 + 2 f(x) x + 4 x^2 - f(x) + 5 x + 1)$$

Sequence: A247907
Score: 10.0769
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (x^2 + 1) (x^2 - x + 1) (x^3 + x^2 - 1)}$$

Sequence: A247917
Score: 13.5287
Type of gen. func.: lgdogf

$$-\frac{-3 x^2 + 1}{-x^3 + x + 1}$$

Sequence: A247917
Score: 21.3179
Type of gen. func.: ogf

$$-\frac{1}{x^3 - x - 1}$$

Sequence: A247917
Score: 7.48395
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) + a(n), a(0) = 1, a(1) = -1, a(2) = 1\}$$

Sequence: A247917
Score: 8.68507
Type of gen. func.: ogf

$$(f(x) - 1) (f(x) x^3 - f(x) x - f(x) + 1)$$

Sequence: A247918
Score: 8.54201
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (x^2 + 1) (x^2 - x + 1) (x^3 - x - 1)}$$

Sequence: A247919
Score: 11.6006
Type of gen. func.: lgdogf

$$- \frac{-5 x^4 + 4 x^3}{-x^5 + x^4 + 1}$$

Sequence: A247919
Score: 21.0921
Type of gen. func.: ogf

$$- \frac{1}{(x^2 - x + 1) (x^3 - x - 1)}$$

Sequence: A247920
Score: 11.0858
Type of gen. func.: lgdogf

$$- \frac{-5 x^4 + 2 x + 1}{-x^5 + x^2 + x + 1}$$

Sequence: A247920
Score: 17.3047
Type of gen. func.: ogf

$$-\frac{1}{(x^2 + 1)(x^3 - x - 1)}$$

Sequence: A247928
Score: 4.10544
Type of gen. func.: ogf

$$-(x^{10} - 2 x^9 + 679 x^8 + 691 x^7 + 1021 x^6 + 1063 x^5 + 969 x^4 + 749 x^3 + 418 x^2 + 139 x + 32) \Big/ \left((x^2 + 1)(x^2 + x + 1)(x + 1)^2 (x - 1)^5\right)$$

Sequence: A247968
Score: 4.84372
Type of gen. func.: ogf

$$-2 f(x) x^3 + f(x) x^2 + x^3 + 2 f(x) x - 2 x^2 - f(x) - x + 1$$

Sequence: A247969
Score: 3.39517
Type of gen. func.: ogf

$$-\frac{82 x^9 + 34 x^8 + 21 x^6 + 4}{x - 1}$$

Sequence: A247970
Score: 4.15694
Type of gen. func.: ogf

$$-\frac{116 x^9 + 21 x^7 + 3}{x - 1}$$

Sequence: A247970

Score: 4.41145
Type of gen. func.: ogf

$$-(f(x)\,x - f(x) + 3)^3$$

Sequence: A247971
Score: 5.48314
Type of gen. func.: ogf

$$-(x^{14} - x^{13} - x^{12} - x^{11} - x^{10} - x^{8} - x^{7} - x^{6} - x^{4} - x^{3} - x^{2} - x - 1) \Big/ \left((x + 1)(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)(x^{6} - x^{5} + x^{4} - x^{3} + x^{2} - x + 1)(x - 1)^{2}\right)$$

Sequence: A247974
Score: 9.39248
Type of gen. func.: ogf

$$(x + 1)\left(x^{11} - 2x^{10} + 2x^{9} - 2x^{8} + 2x^{7} - 2x^{6} + 2x^{5} - 2x^{4} + 2x^{3} + x^{2} + 4x + 1\right) \Big/ \left((x^{2} + x + 1)(x - 1)^{2}\right)$$

Sequence: A247996
Score: 5.12343
Type of gen. func.: ogf

$$-\frac{4(83x^{5} + 21x^{4} + 106x^{3} + 91x^{2} + 51x + 8)}{(x + 1)(x - 1)^{7}}$$

Sequence: A248016
Score: 5.71457
Type of gen. func.: ogf

$$-\frac{x^{2}(x^{2} + 1)(x^{4} - 6x^{2} - 4x - 3)}{}$$

$$(x + 1)^4 (x - 1)^8$$

Sequence: A248045
Score: 5.66573
Type of gen. func.: ogf

$$\{(16 n^2 + 64 n + 60) a(n + 1) + (-n - 3) a(n + 2), a(0) = 1, a(1) = 6\}$$

Sequence: A248060
Score: 3.70753
Type of gen. func.: ogf

$$\frac{x^2 (x^8 - 4 x^6 + 8 x^5 + 26 x^4 + 40 x^3 + 16 x^2 + 8 x + 1)}{(x + 1)^4 (x - 1)^{10}}$$

Sequence: A248069
Score: 5.29671
Type of gen. func.: ogf

$$- \frac{x^6 - 5 x^5 - 322 x^4 - 362 x^3 - 427 x^2 - 173 x - 32}{(x + 1) (x - 1)^6}$$

Sequence: A248086
Score: 6.64683
Type of gen. func.: ogf

$$\frac{x^2 (3 x^3 + 5 x^2 - 2 x - 5)}{(x - 1) (x + 1)^2 (x^2 + x - 1)^2}$$

Sequence: A248088
Score: 11.7352
Type of gen. func.: lgdogf

$$-36 x^2 - 12 x - 4$$

```
- --------------------
     3      2
-9 x  - 3 x  - x + 1
```

Sequence: A248088
Score: 25.8174
Type of gen. func.: ogf

$$\frac{1}{(3 x^2 + 2 x + 1) (3 x - 1)^2}$$

Sequence: A248088
Score: 3.87261
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-7 - n) a(n + 3) + (-18 - 3 n) a(n + 2)$$

$$+ (-45 - 9 n) a(n + 1), a(0) = 1, a(1) = 4, a(2) = 16, a(3) = 64\}$$

Sequence: A248088
Score: 9.00607
Type of gen. func.: ogf

$$-(f(x) - 1) (27 f(x) x^4 - 4 f(x) x + f(x) - 1)$$

Sequence: A248089
Score: 11.5354
Type of gen. func.: ogf

$$\frac{(4 x - 1)^2}{(27 x^2 - 10 x + 1) (x - 1)^2}$$

Sequence: A248089
Score: 4.12378
Type of gen. func.: ogf

$$\{(-81 n - 189) a(n + 1) + (111 n + 178) a(n + 2) + (-33 n - 47) a(n + 3)$$

$$+ (3 n + 4) a(n + 4), a(0) = 1, a(1) = 4, a(2) = 16, a(3) = 64\}$$

Sequence: A248089
Score: 6.23081
Type of gen. func.: ogf

$$(101 f(x) + 27)$$

$$(27 f(x) x^{4} - 64 f(x) x^{3} + 48 f(x) x^{2} - 12 f(x) x - 16 x^{2} + f(x) + 8 x - 1)$$

Sequence: A248089
Score: 9.38046
Type of gen. func.: lgdogf

$$- \frac{-216 x^{3} + 148 x^{2} - 44 x + 4}{-108 x^{4} + 175 x^{3} - 81 x^{2} + 15 x - 1}$$

Sequence: A248091
Score: 6.31382
Type of gen. func.: ogf

$$\frac{x^{3} (x^{5} + x^{4} - x^{3} - x^{2} - 2 x + 1)}{(x + 1) (3 x^{4} - x^{3} + x^{2} - 3 x + 1)}$$

Sequence: A248094
Score: 6.64280
Type of gen. func.: ogf

$$- \frac{3 x (x^{4} - 4 x^{3} - 13 x^{2} + 50 x + 14)}{(x - 1)^{7}}$$

Sequence: A248094
Score: 7.71830
Type of gen. func.: lgdogf

$$- \frac{3 x^{4} - 12 x^{3} - 77 x^{2} + 274 x + 148}{}$$

$$x^5 - 5 x^4 - 9 x^3 + 63 x^2 - 36 x - 14$$

Sequence: A248098
Score: 11.3884
Type of gen. func.: ogf

$$\frac{2 x^3 - x^2 - x + 1}{(x - 1) (x^3 + x^2 + x - 1)}$$

Sequence: A248098
Score: 6.61612
Type of gen. func.: ogf

$$-(4 f(x) + 5) (f(x) x^4 - 2 x^3 - 2 f(x) x + x^2 + f(x) + x - 1)$$

Sequence: A248100
Score: 11.0376
Type of gen. func.: revogf

$$\frac{-1 + (4 x^3 + 4 x + 1)^{1/2}}{2 (x^2 + 1)}$$

Sequence: A248100
Score: 17.6601
Type of gen. func.: ogf

$$x + 1 - f(x) + f(x)^2 x^3$$

Sequence: A248121
Score: 8.32895
Type of gen. func.: lgdogf

$$- \frac{2 x^4 + 12 x^3 + 18 x^2 + 13 x + 9}{x^5 + 3 x^4 + 2 x^3 - x^2 - 3 x - 2}$$

Sequence: A248121
Score: 9.70078
Type of gen. func.: ogf

$$-\frac{(x+2)(x+1)^2}{(x^2+x+1)(x-1)^3}$$

Sequence: A248148
Score: 7.91951
Type of gen. func.: ogf

$$-\frac{x^{12}-x^{11}+x^6-x^4-x^3-x^2-x-1}{(x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A248152
Score: 5.95953
Type of gen. func.: ogf

$$\{(16 n^2 + 80 n + 84) a(n + 1) + (-n^2 - 10 n - 24) a(n + 2), a(0) = 3, a(1) = 4\}$$

Sequence: A248155
Score: 11.7922
Type of gen. func.: ogf

$$-\frac{x^2-x-1}{(x+1)(2x+1)}$$

Sequence: A248155
Score: 6.12731
Type of gen. func.: ogf

$$\{-a(n + 3) - 3 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = -2, a(2) = 3\}$$

Sequence: A248155
Score: 8.68036
Type of gen. func.: lgdogf

$$-\frac{5x^2+6x+2}{-2x^4-x^3+4x^2+4x+1}$$

Sequence: A248155
Score: 8.80262
Type of gen. func.: ogf

$$2f(x)x^2+3f(x)x+x^2+f(x)-x-1$$

Sequence: A248157
Score: 10.5533
Type of gen. func.: ogf

$$-f(x)x^2-2f(x)x-2x^2-f(x)+1$$

Sequence: A248157
Score: 12.6262
Type of gen. func.: lgdogf

$$-\frac{2+4x}{-2x^3-2x^2+x+1}$$

Sequence: A248157
Score: 14.4300
Type of gen. func.: ogf

$$-\frac{2x^2-1}{(x+1)^2}$$

Sequence: A248157
Score: 6.93206

Type of gen. func.: ogf

$$\{a(n+3) + 2\,a(n+2) + a(n+1),\ a(0) = 1,\ a(1) = -2,\ a(2) = 1\}$$

Sequence: A248158
Score: 10.2829
Type of gen. func.: lgdogf

$$-\frac{2x^2 - 4x - 3}{2x^3 + 2x^2 - x - 1}$$

Sequence: A248158
Score: 11.5457
Type of gen. func.: ogf

$$-\frac{2x^2 - 1}{(x+1)^3}$$

Sequence: A248158
Score: 5.87593
Type of gen. func.: ogf

$$\{-a(n+3) - 3\,a(n+2) - 3\,a(n+1) - a(n),\ a(0) = 1,\ a(1) = -3,\ a(2) = 4\}$$

Sequence: A248158
Score: 6.09356
Type of gen. func.: ogf

$$(9 f(x) - 49)\,(f(x)\,x^3 + 3 f(x)\,x^2 + 3 f(x)\,x + 2x^2 + f(x) - 1)$$

Sequence: A248159
Score: 10.0630
Type of gen. func.: ogf

$$-\frac{2x^2 - 1}{{}^{4}}$$

$$(x + 1)$$

Sequence: A248159
Score: 10.2202
Type of gen. func.: lgdogf

$$-\frac{-4 x^2 + 4 x + 4}{-2 x^3 - 2 x^2 + x + 1}$$

Sequence: A248159
Score: 5.03148
Type of gen. func.: ogf

$$-(f(x) - 25) (f(x) x^4 + 4 f(x) x^3 + 6 f(x) x^2 + 4 f(x) x + 2 x^2 + f(x) - 1)$$

Sequence: A248160
Score: 11.2170
Type of gen. func.: ogf

$$-\frac{2 x^2 - 1}{(x + 1)^5}$$

Sequence: A248160
Score: 13.1449
Type of gen. func.: lgdogf

$$-\frac{6 x^2 - 4 x - 5}{2 x^3 + 2 x^2 - x - 1}$$

Sequence: A248160
Score: 4.42775
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (-8 - n) a(n + 3) + 2 n a(n + 2) + (8 + 2 n) a(n + 1),$$

$$a(0) = 1, a(1) = -5, a(2) = 13, a(3) = -25\}$$

Sequence: A248161
Score: 10.5899
Type of gen. func.: ogf

$$\frac{x^2 - x + 2}{(x^2 - 3 x + 1) (x + 1)}$$

Sequence: A248161
Score: 5.33871
Type of gen. func.: ogf

$$-(5163 f(x) + 2273) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x - x^2 + f(x) + x - 2)$$

Sequence: A248161
Score: 5.71668
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 2, a(1) = 3, a(2) = 11\}$$

Sequence: A248163
Score: 11.4709
Type of gen. func.: lgdogf

$$- \frac{18 x - 34}{9 x^2 - 34 x + 1}$$

Sequence: A248163
Score: 17.2064
Type of gen. func.: ogf

$$\frac{1}{9 x^2 - 34 x + 1}$$

Sequence: A248163
Score: 6.96448
Type of gen. func.: ogf

$$\{-a(n + 2) + 34 a(n + 1) - 9 a(n), a(0) = 1, a(1) = 34\}$$

Sequence: A248163
Score: 9.08403
Type of gen. func.: ogf

$$(569 f(x) + 9) (9 f(x) x^2 - 34 f(x) x + f(x) - 1)$$

Sequence: A248168
Score: 12.2691
Type of gen. func.: ogf

$$33 f(x)^2 x^2 - 14 f(x)^2 x + f(x)^2 - 1$$

Sequence: A248168
Score: 15.6370
Type of gen. func.: lgdogf

$$-\frac{33 x - 7}{33 x^2 - 14 x + 1}$$

Sequence: A248168
Score: 5.14508
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 3) + (35 + 14 n) a(n + 2) + (-66 - 33 n) a(n + 1), a(0) = 1,$$
$$a(1) = 7, a(2) = 57\}$$

Sequence: A248180
Score: 9.79457
Type of gen. func.: ogf

$$-\frac{x^{19} - x^{18} - x^3 + x^2 - 1}{\quad\quad\quad\quad\quad 2}$$

$$(x + 1) (x - 1)$$

Sequence: A248183
Score: 5.61631
Type of gen. func.: ogf

$$(x + 1) (x^2 - x + 1) (x^{16} + x^{11} + x^{10} + x^6 + x^4 + 1) / ((x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A248186
Score: 5.91347
Type of gen. func.: ogf

$$(x^{15} + x^{14} - x^{13} + x^{12} + x^{11} + x^{10} + x^8 + x^7 + x^5 + x^4 + 1) / ((x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A248193
Score: 9.15156
Type of gen. func.: lgdogf

$$- \frac{-6 x^{11} + 7 x^6 + 6 x^5 - x + 1}{-x^{12} + 2 x^7 + 2 x^6 - x^2 + 2 x - 1}$$

Sequence: A248205
Score: 11.0740
Type of gen. func.: ogf

$$\frac{49 x - 1}{(x - 1) (x^2 - 98 x + 1)}$$

Sequence: A248205

```
Score: 4.69806
Type of gen. func.: ogf


-(5256979658400 f(x) + 53631362399)

           3             2
    (f(x) x  - 99 f(x) x  + 99 f(x) x - f(x) - 49 x + 1)



------------------------------------------------------------------------------

Sequence:  A248205
Score: 5.25545
Type of gen. func.: ogf


{a(n + 3) - 99 a(n + 2) + 99 a(n + 1) - a(n), a(0) = 1, a(1) = 50, a(2) = 4851}



------------------------------------------------------------------------------

Sequence:  A248205
Score: 6.45982
Type of gen. func.: lgdogf


                              3         2
                          98 x  - 4854 x  + 198 x - 50
                    - --------------------------------------
                          4         3         2
                      49 x  - 4852 x  + 4950 x  - 148 x + 1



------------------------------------------------------------------------------

Sequence:  A248216
Score: 11.1278
Type of gen. func.: ogf


                                2
                      -12 f(x) x  + 8 f(x) x - f(x) + 4 x



------------------------------------------------------------------------------

Sequence:  A248216
Score: 13.3533
Type of gen. func.: lgdogf


                                    24 x - 8
                               - ---------------
                                     2
                                 12 x  - 8 x + 1



------------------------------------------------------------------------------

Sequence:  A248216
Score: 17.5701
Type of gen. func.: ogf


                                      4 x
```

$$\overline{(6 x - 1) (2 x - 1)}$$

Sequence: A248216
Score: 8.14226
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 12 a(n), a(0) = 0, a(1) = 4\}$$

Sequence: A248217
Score: 11.1799
Type of gen. func.: ogf

$$-16 f(x) x^2 + 10 f(x) x - f(x) + 6 x$$

Sequence: A248217
Score: 13.1148
Type of gen. func.: lgdogf

$$-\frac{32 x - 10}{16 x^2 - 10 x + 1}$$

Sequence: A248217
Score: 17.4865
Type of gen. func.: ogf

$$\frac{6 x}{(8 x - 1) (2 x - 1)}$$

Sequence: A248217
Score: 8.21653
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 16 a(n), a(0) = 0, a(1) = 6\}$$

Sequence: A248225
Score: 11.1278
Type of gen. func.: ogf

$$-18 f(x) x^2 + 9 f(x) x - f(x) + 3 x$$

Sequence: A248225
Score: 13.3533
Type of gen. func.: lgdogf

$$-\frac{36 x - 9}{18 x^2 - 9 x + 1}$$

Sequence: A248225
Score: 17.5701
Type of gen. func.: ogf

$$\frac{3 x}{(3 x - 1) (6 x - 1)}$$

Sequence: A248225
Score: 8.14226
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) + 18 a(n), a(0) = 0, a(1) = 3\}$$

Sequence: A248226
Score: 11.679
Type of gen. func.: ogf

$$-30 f(x) x^2 + 13 f(x) x - f(x) + 7 x$$

Sequence: A248226
Score: 13.7003
Type of gen. func.: lgdogf

$$-\frac{60 x - 13}{30 x^2 - 13 x + 1}$$

Sequence: A248226
Score: 18.2671
Type of gen. func.: ogf

$$\frac{7 x}{(10 x - 1) (3 x - 1)}$$

Sequence: A248226
Score: 8.58335
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1) + 30 a(n), a(0) = 0, a(1) = 7\}$$

Sequence: A248229
Score: 6.38267
Type of gen. func.: ogf

$$\frac{x^{30} - x^{29} + x^{8} + 2 x^{7} + x^{6} + 2 x^{5} + x^{4} + x^{3} + 2 x^{2} + x + 2}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A248230
Score: 6.33313
Type of gen. func.: ogf

$$- \frac{x^{6} - 5 x^{5} - 4 x^{4} - 19 x^{3} - 19 x^{2} - 14 x - 12}{(x^{2} + 1) (x + 1) (x - 1)^{4}}$$

Sequence: A248234
Score: 5.36451
Type of gen. func.: ogf

$$\frac{(x + 1) (x^{7} - 4 x^{6} + 7 x^{5} - 9 x^{4} - 15 x^{3} - 56 x^{2} - 41 x - 27)}{(x^{2} + x + 1) (x - 1)^{5}}$$

Sequence: A248336
Score: 6.01845
Type of gen. func.: ogf

$$-\frac{2 x (50 x^5 + 50 x^4 - 155 x^3 - 55 x^2 + 6 x + 5)}{(x - 1) (10 x + 1) (10 x - 1) (x + 1) (10 x^2 - 1)}$$

Sequence: A248337
Score: 10.8947
Type of gen. func.: ogf

$$-24 f(x) x^2 + 10 f(x) x - f(x) + 2 x$$

Sequence: A248337
Score: 12.7803
Type of gen. func.: lgdogf

$$-\frac{48 x - 10}{24 x^2 - 10 x + 1}$$

Sequence: A248337
Score: 17.0404
Type of gen. func.: ogf

$$\frac{2 x}{(6 x - 1) (4 x - 1)}$$

Sequence: A248337
Score: 8.00692
Type of gen. func.: ogf

{a(n + 2) - 10 a(n + 1) + 24 a(n), a(0) = 0, a(1) = 2}

Sequence: A248338
Score: 11.679
Type of gen. func.: ogf

2

$$-40 f(x) x + 14 f(x) x - f(x) + 6 x$$

Sequence: A248338
Score: 13.7003
Type of gen. func.: lgdogf

$$-\frac{80 x - 14}{40 x^2 - 14 x + 1}$$

Sequence: A248338
Score: 18.2671
Type of gen. func.: ogf

$$\frac{6 x}{(10 x - 1) (4 x - 1)}$$

Sequence: A248338
Score: 8.58335
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1) + 40 a(n), a(0) = 0, a(1) = 6\}$$

Sequence: A248339
Score: 13.8131
Type of gen. func.: lgdogf

$$-\frac{3 x + 41}{3 x^2 + 16 x - 19}$$

Sequence: A248339
Score: 15.3146
Type of gen. func.: ogf

$$\frac{3 x + 19}{(x - 1)^2}$$

Sequence: A248339
Score: 7.91539
Type of gen. func.: ogf

$$(44 f(x) + 845) (f(x) x^2 - 2 f(x) x + f(x) - 3 x - 19)$$

Sequence: A248339
Score: 8.38655
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 19, a(1) = 41\}$$

Sequence: A248340
Score: 10.4605
Type of gen. func.: ogf

$$-50 f(x) x^2 + 15 f(x) x - f(x) + 5 x$$

Sequence: A248340
Score: 12.0394
Type of gen. func.: lgdogf

$$-\frac{100 x - 15}{50 x^2 - 15 x + 1}$$

Sequence: A248340
Score: 16.3613
Type of gen. func.: ogf

$$\frac{5 x}{(10 x - 1) (5 x - 1)}$$

Sequence: A248340
Score: 7.68783
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1) + 50 a(n), a(0) = 0, a(1) = 5\}$$

Sequence: A248341
Score: 10.4605
Type of gen. func.: ogf

$$-70 f(x) x^2 + 17 f(x) x - f(x) + 3 x$$

Sequence: A248341
Score: 12.0394
Type of gen. func.: lgdogf

$$-\frac{140 x - 17}{70 x^2 - 17 x + 1}$$

Sequence: A248341
Score: 16.3613
Type of gen. func.: ogf

$$\frac{3 x}{(10 x - 1) (7 x - 1)}$$

Sequence: A248341
Score: 7.68783
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1) + 70 a(n), a(0) = 0, a(1) = 3\}$$

Sequence: A248343
Score: 10.4605
Type of gen. func.: ogf

$$-80 f(x) x^2 + 18 f(x) x - f(x) + 2 x$$

Sequence: A248343
Score: 12.0394
Type of gen. func.: lgdogf

$$160 x - 18$$

$$- \frac{}{80 x^{2} - 18 x + 1}$$

Sequence: A248343
Score: 16.3613
Type of gen. func.: ogf

$$\frac{2 x}{(10 x - 1) (8 x - 1)}$$

Sequence: A248343
Score: 7.68783
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1) + 80 a(n), a(0) = 0, a(1) = 2\}$$

Sequence: A248375
Score: 10.6480
Type of gen. func.: ogf

$$\frac{x (2 x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}{(x + 1) (x^{2} + 1) (x^{4} + 1) (x - 1)^{2}}$$

Sequence: A248378
Score: 7.11837
Type of gen. func.: ogf

$$- \frac{900 x^{20} - 900 x^{19} - 90 x^{18} + 810 x^{17} - 810 x^{16} + 10 x^{2} - 9 x - 12}{(x + 1) (x - 1)^{2}}$$

Sequence: A248394
Score: 4.27298
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-3 x^{15} + 2 x^{13} - 3 x^{11} + 2 x^{9} - 2 x^{7} + 2 x^{5} - 3 x^{3} + 2 x}{16}$$

$$x - 1$$

Sequence: A248395
Score: 6.26019
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3 x^{15} - 2 x^{11} + 4 x^{7} - 2 x^{3}}{-x^{16} + 1}$$

Sequence: A248417
Score: 12.0496
Type of gen. func.: ogf

$$-\frac{31 x^{2} + 50 x + 3}{x^{3} - 31 x^{2} - 25 x - 1}$$

Sequence: A248417
Score: 5.97878
Type of gen. func.: ogf

$$-(2616289 f(x) - 2863755)$$

$$(f(x) x^{3} - 31 f(x) x^{2} - 25 f(x) x + 31 x^{2} - f(x) + 50 x + 3)$$

Sequence: A248417
Score: 6.69420
Type of gen. func.: ogf

$$\{-a(n + 3) - 25 a(n + 2) - 31 a(n + 1) + a(n), a(0) = 3, a(1) = -25, a(2) = 563$$

$$\}$$

Sequence: A248417
Score: 6.81062
Type of gen. func.: lgdogf

$$-\frac{-31 x^{4} - 100 x^{3} + 766 x^{2} + 124 x + 25}{}$$

$$-31 x^5 + 911 x^4 + 2322 x^3 + 1374 x^2 + 125 x + 3$$

Sequence: A248425
Score: 11.8286
Type of gen. func.: ogf

$$\frac{x^4 (x^4 - x^2 + 1)}{(x - 1)^2 (x^2 + x - 1)^2}$$

Sequence: A248425
Score: 9.66760
Type of gen. func.: lgdogf

$$- \frac{-2 x^6 + 4 x^3 - 6 x^2 - 2 x + 4}{-x^7 + 3 x^5 - x^4 - 3 x^3 + x^2 + 2 x - 1}$$

Sequence: A248427
Score: 8.00914
Type of gen. func.: ogf

$$- \frac{2 (x^5 - 2 x^4 + 2 x^3 - 2 x^2 - x + 4)}{(x + 1) (x - 1)^3}$$

Sequence: A248428
Score: 11.4059
Type of gen. func.: ogf

$$- \frac{4 (7 x^3 - x^2 - x - 4)}{(x - 1) (2 x^3 - 1)}$$

Sequence: A248428
Score: 6.58387
Type of gen. func.: ogf

$$(f(x) + 186) (2 f(x) x^4 - 2 f(x) x^3 + 28 x^3 - f(x) x - 4 x^2 + f(x) - 4 x - 16)$$

Sequence: A248429
Score: 10.4342
Type of gen. func.: ogf

$$-\frac{84 x^3 - 24 x^2 - 16 x - 29}{(x - 1) (4 x^3 - 1)}$$

Sequence: A248429
Score: 5.64218
Type of gen. func.: ogf

$$-(2397 f(x) + 187892)$$

$$(4 f(x) x^4 - 4 f(x) x^3 + 84 x^3 - f(x) x - 24 x^2 + f(x) - 16 x - 29)$$

Sequence: A248430
Score: 6.11134
Type of gen. func.: ogf

$$-\frac{2 (56 x^6 - 20 x^5 - 12 x^4 - 86 x^3 + 24 x^2 + 14 x + 21)}{(x - 1) (4 x^6 - 6 x^3 + 1)}$$

Sequence: A248431
Score: 5.65122
Type of gen. func.: ogf

$$-\frac{164 x^8 + 108 x^7 + 76 x^6 - 375 x^5 - 239 x^4 - 161 x^3 + 185 x^2 + 105 x + 61}{(x - 1) (x^2 + x + 1) (4 x^6 - 7 x^3 + 1)}$$

Sequence: A248434
Score: 12.0703
Type of gen. func.: ogf

$$-\frac{x^3 - 2x^2 + 5x + 2}{(x+1)(x-1)^3}$$

Sequence: A248434
Score: 6.40653
Type of gen. func.: ogf

$$-(4590 f(x) - 24017)$$

$$(f(x) x^4 - 2 f(x) x^3 + x^3 + 2 f(x) x - 2 x^2 - f(x) + 5 x + 2)$$

Sequence: A248434
Score: 8.49846
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 2x^3 - 14x^2 - 14x - 9}{-x^5 + 2x^4 - 4x^3 - 4x^2 + 5x + 2}$$

Sequence: A248435
Score: 6.77754
Type of gen. func.: ogf

$$-\frac{x^7 - x^6 + 17x^5 + 16x^4 + 23x^3 + 11x^2 + 7x + 2}{(x+1)(x^2+1)(x^2+x+1)(x-1)^3}$$

Sequence: A248449
Score: 5.18334
Type of gen. func.: ogf

$$\frac{6(23x^5 - 39x^4 - 54x^3 - 114x^2 - 49x - 7)}{(x+1)(x-1)^7}$$

Sequence: A248456

Score: 5.42068
Type of gen. func.: ogf

$$-\frac{4\,(16\,x^{5}+53\,x^{4}+30\,x^{3}-5\,x^{2}-13\,x-12)}{4\,x^{6}+12\,x^{5}+3\,x^{4}-4\,x^{3}-3\,x^{2}-2\,x+1}$$

Sequence: A248457
Score: 5.08259
Type of gen. func.: ogf

$$-\frac{4\,(50\,x^{5}+186\,x^{4}+147\,x^{3}+27\,x^{2}-23\,x-24)}{(2\,x-1)\,(4\,x^{5}+16\,x^{4}+16\,x^{3}+7\,x^{2}+x-1)}$$

Sequence: A248462
Score: 10.8864
Type of gen. func.: ogf

$$\frac{6\,(x^{2}+1)}{(x+1)\,(x-1)^{4}}$$

Sequence: A248462
Score: 13.2451
Type of gen. func.: lgdogf

$$-\frac{-3\,x^{3}-3\,x^{2}-7\,x-3}{-x^{4}+1}$$

Sequence: A248462
Score: 27.2214
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^{3}+2\,x+3]$$

Sequence: A248463
Score: 4.63916
Type of gen. func.: ogf

$$-\frac{2\,(14\,x^8+17\,x^7+42\,x^6+48\,x^5+69\,x^4+47\,x^3+38\,x^2+8\,x+5)}{(x^2+1)\,(x^2+x+1)\,(x+1)^2\,(x-1)^5}$$

Sequence: A248474
Score: 5.1393
Type of gen. func.: ogf

$$-(27\,f(x)+979)\,(f(x)\,x^3-f(x)\,x^2-f(x)\,x-13\,x^2+f(x)-4\,x-13)$$

Sequence: A248474
Score: 5.36275
Type of gen. func.: ogf

$$\{a(n+3)-a(n+2)-a(n+1)+a(n),\ a(0)=13,\ a(1)=17,\ a(2)=43\}$$

Sequence: A248474
Score: 7.90662
Type of gen. func.: lgdogf

$$-\frac{-13\,x^3-21\,x^2-69\,x-17}{-13\,x^4-4\,x^3+4\,x+13}$$

Sequence: A248474
Score: 9.78914
Type of gen. func.: ogf

$$\frac{13\,x^2+4\,x+13}{(x+1)\,(x-1)^2}$$

Sequence: A248484
Score: 6.81442
Type of gen. func.: ogf

$$-\frac{4\,(664\,x^6-54\,x^5-48\,x^4-42\,x^3-36\,x^2-30\,x-181)}{(x-1)\,(2\,x^3-1)\,(2\,x^3+1)}$$

Sequence: A248490
Score: 6.83589
Type of gen. func.: ogf

$$-\frac{x^5-4\,x^4+144\,x^3+102\,x^2+95\,x+22}{(x+1)\,(x-1)^5}$$

Sequence: A248491
Score: 3.51614
Type of gen. func.: ogf

$$-(x^{11}-2\,x^{10}-700\,x^9-102\,x^8+383\,x^7+1542\,x^6+2001\,x^5+1640\,x^4+1056\,x^3+500\,x^2+139\,x+22)\,/\,((x^2+1)\,(x+1)\,(x^2+x+1)^2\,(x-1)^5)$$

Sequence: A248520
Score: 8.58429
Type of gen. func.: ogf

$$-\frac{x^{20}-x^{19}-x^4-2\,x^3-3\,x^2-3\,x-2}{(x^2+1)\,(x+1)\,(x-1)^2}$$

Sequence: A248527
Score: 8.29760
Type of gen. func.: ogf

$$\frac{2\,(17\,x^6+5\,x^5+8\,x^4+5\,x^3+8\,x^2+5\,x+17)}{(x+1)\,(x^2+x+1)\,(x^2-x+1)\,(x-1)^2}$$

Sequence: A248533
Score: 9.53733
Type of gen. func.: ogf

$$-\frac{190 x^4 - 12 x^3 - 12 x^2 - 12 x - 101}{(x - 1) (2 x^4 - 1)}$$

Sequence: A248538
Score: 6.98253
Type of gen. func.: ogf

$$-\frac{x^6 - 2 x^5 - 13 x^4 + x^3 - 22 x^2 - 11 x - 2}{(x^2 + x + 1) (x + 1) (x - 1)^4}$$

Sequence: A248555
Score: 4.47266
Type of gen. func.: ogf

$$(9735171651261329914186 f(x) + 5860194186511028283606873323)$$

$$(70110 x^4 + f(x) x^2 - 100080 x^3 - 2 f(x) x + f(x) - 201 x - 132)$$

Sequence: A248555
Score: 9.79151
Type of gen. func.: ogf

$$-\frac{3 (23370 x^4 - 33360 x^3 - 67 x - 44)}{(x - 1)^2}$$

Sequence: A248556
Score: 10.7769
Type of gen. func.: ogf

$$3 (23340 x^4 - 33330 x^3 - 70 x - 41)$$

```
                     - -----------------------------------
                                           2
                                    (x - 1)



------------------------------------------------------------------------------

Sequence:  A248556
Score: 4.88642
Type of gen. func.: ogf


(4836987383803734968354 f(x) + 2911523114861062050811360765)

            4         2          3
    (70020 x  + f(x) x  - 99990 x  - 2 f(x) x + f(x) - 210 x - 123)



------------------------------------------------------------------------------

Sequence:  A248572
Score: 10.0393
Type of gen. func.: ogf


              {-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 30}



------------------------------------------------------------------------------

Sequence:  A248572
Score: 16.0242
Type of gen. func.: lgdogf


                                   -28 x - 30
                              - -----------------
                                     2
                                -28 x  + 27 x + 1



------------------------------------------------------------------------------

Sequence:  A248572
Score: 18.1143
Type of gen. func.: ogf


                                    28 x + 1
                                    --------
                                           2
                                    (x - 1)



------------------------------------------------------------------------------

Sequence:  A248572
Score: 9.36248
Type of gen. func.: ogf


                                    2
             (29 f(x) + 421) (f(x) x  - 2 f(x) x + f(x) - 28 x - 1)
```

Sequence: A248574
Score: 3.67607
Type of gen. func.: ogf

$$\{(-8 n^{2} - 8 n) a(n) + (4 n^{2} + 8 n + 4) a(n + 1) + (2 n^{2} + 4 n - 2) a(n + 2) + (-n^{2} - 3 n) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 7\}$$

Sequence: A248574
Score: 4.84053
Type of gen. func.: ogf

$$8 f(x)^{2} x^{3} - 4 f(x)^{2} x^{2} + 4 f(x) x^{3} - 2 f(x)^{2} x + 4 f(x) x^{2} + x^{3} + f(x)^{2} - f(x) x + 2 x^{2} - f(x) + x$$

Sequence: A248575
Score: 12.5130
Type of gen. func.: ogf

$$\frac{2 x (5 x^{2} + 8 x + 5)}{(x + 1) (x - 1)^{4}}$$

Sequence: A248575
Score: 13.8301
Type of gen. func.: lgdogf

$$-\frac{-15 x^{3} - 47 x^{2} - 59 x - 23}{-5 x^{4} - 8 x^{3} + 8 x + 5}$$

Sequence: A248598
Score: 10.1716
Type of gen. func.: ogf

$$-\frac{6 x^{2} (7 x - 9)}{{}^{4}}$$

```
                                        (x - 1)
```

Sequence: A248598
Score: 14.1605
Type of gen. func.: lgdogf

```
                                     -21 x + 29
                                 - ----------------
                                         2
                                   -7 x  + 16 x - 9
```

Sequence: A248598
Score: 4.75121
Type of gen. func.: ogf

```
{(-9 - 9 n) a(n + 3) + (29 + 16 n) a(n + 2) + (-14 - 7 n) a(n + 1), a(0) = 0,

    a(1) = 0, a(2) = 54}
```

Sequence: A248598
Score: 5.15845
Type of gen. func.: ogf

```
(1504 f(x) + 1677135)

              4            3            2       3                  2
    (f(x) x  - 4 f(x) x  + 6 f(x) x  + 42 x  - 4 f(x) x - 54 x  + f(x))
```

Sequence: A248604
Score: 4.13254
Type of gen. func.: ogf

```
                                      4      2
                                   4 x  + 2 x  - 1
                                - -----------------
                                  (2 x - 1) (x - 1)
```

Sequence: A248604
Score: 8.23535
Type of gen. func.: ogf

```
                             4            2                  2
          (f(x) - 10) (4 x  + 2 f(x) x  - 3 f(x) x + 2 x  + f(x) - 1)
```

Sequence: A248619
Score: 4.44243
Type of gen. func.: ogf

$$-\frac{16 x (x^6 + 72 x^5 + 603 x^4 + 1168 x^3 + 603 x^2 + 72 x + 1)}{(x - 1)^9}$$

Sequence: A248621
Score: 12.3360
Type of gen. func.: lgdogf

$$-\frac{-6 x^2 - 24 x - 15}{-2 x^3 - 3 x^2 + 3 x + 2}$$

Sequence: A248621
Score: 4.05062
Type of gen. func.: ogf

$$\{(6 + 2 n) a(n + 4) + (-9 + 3 n) a(n + 3) + (-27 - 3 n) a(n + 2)$$
$$+ (-6 - 2 n) a(n + 1), a(0) = 0, a(1) = 16, a(2) = 120, a(3) = 456\}$$

Sequence: A248621
Score: 9.46715
Type of gen. func.: ogf

$$-\frac{8 x (x + 2) (2 x + 1)}{(x - 1)^5}$$

Sequence: A248631
Score: 6.33938
Type of gen. func.: ogf

$$-\frac{x^{21} - x^{20} + x^{14} - x^{13} + x^{10} - x^9 + x^6 + 2 x^3 - x^2 - x - 3}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A248640
Score: 5.00198
Type of gen. func.: ogf

$$-\frac{x^{4}\,(2\,x^{20}+2\,x^{19}+x^{18}+x^{17}+x^{16}+x^{15}+x^{10}+x^{5}+1)}{(x-1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{20}+x^{15}+x^{10}+x^{5}+1)}$$

Sequence: A248646
Score: 14.9096
Type of gen. func.: ogf

$$-\frac{x^{3}+x^{2}+x+2}{2\,x-1}$$

Sequence: A248646
Score: 8.06338
Type of gen. func.: ogf

$$\{a(n+4)-2\,a(n+3),\ a(0)=2,\ a(1)=5,\ a(2)=11,\ a(3)=23\}$$

Sequence: A248646
Score: 9.08288
Type of gen. func.: ogf

$$(397\,f(x)-170)\,(x^{3}+2\,f(x)\,x+x^{2}-f(x)+x+2)$$

Sequence: A248646
Score: 9.87764
Type of gen. func.: lgdogf

$$-\frac{-4\,x^{3}+x^{2}+2\,x+5}{2\,x^{4}+x^{3}+x^{2}+3\,x-2}$$

Sequence: A248698

Score: 4.24295
Type of gen. func.: ogf

$$\{(-25 n^2 - 109 n - 118) a(n + 1) + (26 n^2 + 62 n + 368) a(n + 2) + (-n^2 - 49 n - 94) a(n + 3), a(0) = 0, a(1) = 23, a(2) = 166\}$$

Sequence: A248698
Score: 8.44076
Type of gen. func.: ogf

$$- \frac{x (x^3 + 21 x^2 + 51 x + 23)}{(x - 1)^5}$$

Sequence: A248698
Score: 8.91496
Type of gen. func.: lgdogf

$$- \frac{-2 x^3 - 66 x^2 - 246 x - 166}{-x^4 - 20 x^3 - 30 x^2 + 28 x + 23}$$

Sequence: A248699
Score: 9.30701
Type of gen. func.: ogf

$$\frac{x^5 + 3 x^4 + 3 x^3 + 5 x^2 + x + 2}{(x + 1) (x^2 + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A248707
Score: 11.6476
Type of gen. func.: ogf

$$3 \operatorname{hypergeom}([4/3, 5/3], [3], 27 x)$$

Sequence: A248707

Score: 4.99185
Type of gen. func.: ogf

$$\{(-27 n^2 - 135 n - 168) a(n + 1) + (n^2 + 6 n + 8) a(n + 2), a(0) = 3, a(1) = 60\}$$

Sequence: A248708
Score: 3.77296
Type of gen. func.: ogf

$$\{(256 n^3 + 2432 n^2 + 7664 n + 8008) a(n + 1) + (-n^3 - 11 n^2 - 38 n - 40) a(n + 2), a(0) = 60, a(1) = 12600\}$$

Sequence: A248800
Score: 10.7693
Type of gen. func.: ogf

$$- \frac{2 (x^3 + x^2 - x + 1)}{(x + 1) (x - 1)^3}$$

Sequence: A248800
Score: 6.24436
Type of gen. func.: ogf

$$(5 f(x) - 8) (f(x) x^4 - 2 f(x) x^3 + 2 x^3 + 2 f(x) x + 2 x^2 - f(x) - 2 x + 2)$$

Sequence: A248800
Score: 8.44408
Type of gen. func.: lgdogf

$$- \frac{-x^4 - 4 x^3 - 2 x^2 - 4 x - 1}{-x^5 - x^4 + 2 x^3 - x + 1}$$

Sequence: A248825

Score: 11.3728
Type of gen. func.: lgdogf

$$-\frac{-6 x^3 - 14 x - 4}{-3 x^4 + 2 x^3 - 2 x + 3}$$

Sequence: A248825
Score: 11.3728
Type of gen. func.: ogf

$$-\frac{x (3 x^2 - 2 x + 3)}{(x + 1) (x - 1)^3}$$

Sequence: A248825
Score: 6.00999
Type of gen. func.: ogf

$$-(171 f(x) - 167) (f(x) x^4 - 2 f(x) x^3 + 3 x^3 + 2 f(x) x - 2 x^2 - f(x) + 3 x)$$

Sequence: A248833
Score: 12.2193
Type of gen. func.: ogf

$$-\frac{5 (5 x^2 - 13 x + 2)}{(x - 1) (x^2 - 8 x + 1)}$$

Sequence: A248833
Score: 6.57171
Type of gen. func.: ogf

$$(1722 f(x) - 671) (f(x) x^3 - 9 f(x) x^2 + 9 f(x) x + 25 x^2 - f(x) - 65 x + 10)$$

Sequence: A248833
Score: 6.74166
Type of gen. func.: ogf

$\{-a(n + 3) + 9 a(n + 2) - 9 a(n + 1) + a(n), a(0) = 10, a(1) = 25, a(2) = 160\}$

Sequence: A248833
Score: 7.44793
Type of gen. func.: lgdogf

$$-\frac{-5 x^4 + 26 x^3 - 78 x^2 + 26 x - 5}{-5 x^5 + 58 x^4 - 164 x^3 + 140 x^2 - 31 x + 2}$$

Sequence: A248834
Score: 5.27417
Type of gen. func.: ogf

$\{-a(n + 4) + 17 a(n + 3) - 51 a(n + 2) + 27 a(n + 1), a(0) = 15, a(1) = 25,$

$a(2) = 245, a(3) = 3025\}$

Sequence: A248834
Score: 5.58905
Type of gen. func.: ogf

$$(943 f(x) - 8373)$$

$$(27 f(x) x^3 - 51 f(x) x^2 - 270 x^3 + 17 f(x) x + 585 x^2 - f(x) - 230 x + 15)$$

Sequence: A248834
Score: 9.48015
Type of gen. func.: ogf

$$\frac{5 (54 x^3 - 117 x^2 + 46 x - 3)}{(3 x - 1) (9 x^2 - 14 x + 1)}$$

Sequence: A248848
Score: 12.2215
Type of gen. func.: ogf

$$(x - 1) (x + 1)$$

```
                            - ---------------------------
                               4      3      2
                              x  - 9 x  - 2 x  - 9 x + 1



---------------------------------------------------------------------------------

Sequence:  A248848
Score: 5.88443
Type of gen. func.: ogf


-(28519 f(x) - 648)

            4            3            2              2
    (f(x) x  - 9 f(x) x  - 2 f(x) x  - 9 f(x) x + x  + f(x) - 1)



---------------------------------------------------------------------------------

Sequence:  A248848
Score: 7.56569
Type of gen. func.: lgdogf


                             5      4      3       2
                          2 x  - 9 x  - 4 x  + 36 x  + 2 x + 9
                        - ------------------------------------
                             6      5      4      2
                            x  - 9 x  - 3 x  + 3 x  + 9 x - 1



---------------------------------------------------------------------------------

Sequence:  A248851
Score: 8.82978
Type of gen. func.: lgdogf


                                 4      3    2
                             -2 x  + 3 x  - x  - 14 x - 10
                           - -----------------------------
                                 5      4      2
                               -x  + 2 x  - 5 x  + x + 3



---------------------------------------------------------------------------------

Sequence:  A248851
Score: 8.92899
Type of gen. func.: ogf


                                    3      2
                              x (x  - 2 x  + x + 3)
                              ---------------------
                                                4
                                (x + 1) (x - 1)



---------------------------------------------------------------------------------

Sequence:  A248877
Score: 11.2880
Type of gen. func.: lgdogf
```

$$-\frac{4x^2+92x-71}{4x^3+40x^2-67x+23}$$

Sequence: A248877
Score: 16.9321
Type of gen. func.: ogf

$$\frac{2x+23}{(2x-1)(x-1)}$$

Sequence: A248877
Score: 8.55906
Type of gen. func.: ogf

$$(121 f(x) + 2258) (2 f(x) x^2 - 3 f(x) x + f(x) - 2 x - 23)$$

Sequence: A248877
Score: 9.27232
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 23, a(1) = 71\}$$

Sequence: A248880
Score: 9.64802
Type of gen. func.: ogf

$$-\frac{(x^2-x+1)(x^4-x^2+1)}{x^6-x^3+x^2+x-1}$$

Sequence: A248882
Score: 7.11047
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^6+7x^5+23x^4+28x^3+23x^2+7x+1}{{}^{8}\qquad{}^{6}\qquad{}^{4}\qquad{}^{2}}$$

$$-x + 4 x - 6 x + 4 x - 1$$

Sequence: A248886
Score: 5.39098
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^{11} + 2 x^{10} + 2 x^{8} + x^{7} + 2 x^{6} + 2 x^{5} + 2 x^{4} + x^{3} + 2 x^{2} + 2}{-x^{12} + 1}$$

Sequence: A248917
Score: 10.0776
Type of gen. func.: ogf

$$-\frac{12 x^{3} - 14 x^{2} + 4 x - 1}{(x - 1) (2 x - 1)^{3}}$$

Sequence: A248917
Score: 5.37031
Type of gen. func.: ogf

$$-(3124 f(x) + 54127) (8 f(x) x^{4} - 20 f(x) x^{3} + 18 f(x) x^{2} + 12 x^{3} - 7 f(x) x - 14 x^{2} + f(x) + 4 x - 1)$$

Sequence: A248917
Score: 8.00282
Type of gen. func.: lgdogf

$$-\frac{-24 x^{4} + 32 x^{3} - 2 x^{2} - 4 x - 3}{-24 x^{5} + 64 x^{4} - 62 x^{3} + 28 x^{2} - 7 x + 1}$$

Sequence: A248924
Score: 10.3246
Type of gen. func.: ogf

$$\frac{(2 x + 1) (x^2 - 2)}{(x^2 + x - 1) (x + 1)^2}$$

Sequence: A248924
Score: 4.41663
Type of gen. func.: ogf

$$\{(n + 5) a(n + 1) + (2 n + 9) a(n + 2) - a(n + 3) + (-n - 4) a(n + 4), a(0) = 2, a(1) = 2, a(2) = 1, a(3) = 7\}$$

Sequence: A248924
Score: 5.55939
Type of gen. func.: ogf

$$(805 f(x) + 15308) (f(x) x^4 + 3 f(x) x^3 + 2 f(x) x^2 - 2 x^3 - f(x) x - x^2 - f(x) + 4 x + 2)$$

Sequence: A248924
Score: 7.42984
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - 13 x^3 - 15 x^2 - 4 x - 2}{2 x^6 + 5 x^5 - 2 x^4 - 12 x^3 - 5 x^2 + 4 x + 2}$$

Sequence: A248959
Score: 8.97992
Type of gen. func.: ogf

$$\frac{3 x^6 + 3 x^4 - 14 x^3 - 5 x^2 - 2 x - 1}{x^3 + x^2 + x - 1}$$

Sequence: A248960
Score: 6.58467
Type of gen. func.: ogf

$$\frac{3 x^{10} - 6 x^{8} - 14 x^{6} - 8 x^{5} + 28 x^{4} + 10 x^{3} + 4 x^{2} + 2 x + 1}{(x + 1) (x^{5} - 2 x^{3} - 2 x + 1)}$$

Sequence: A248969
Score: 6.21210
Type of gen. func.: ogf

$$(3 x^{11} + x^{10} + 12 x^{9} + 5 x^{8} + 15 x^{7} + 6 x^{6} + 27 x^{5} + 12 x^{4} + 12 x^{3} + 5 x^{2} + 3 x + 1) / ((x^{4} + 1) (x^{2} + 1) (x + 1)^{2} (x - 1)^{2})$$

Sequence: A248974
Score: 6.92280
Type of gen. func.: lgdogf

$$- \frac{x^{4} - 124 x^{3} - 2154 x^{2} - 3964 x - 959}{x^{5} - 65 x^{4} - 590 x^{3} - 10 x^{2} + 605 x + 59}$$

Sequence: A248974
Score: 7.74531
Type of gen. func.: ogf

$$\frac{x^{4} - 64 x^{3} - 654 x^{2} - 664 x - 59}{(x - 1)^{5}}$$

Sequence: A248982
Score: 5.66183
Type of gen. func.: ogf

$$(x - 1) (40 x^{15} + 98 x^{13} + 4 x^{11} + 3 x^{10} - 80 x^{9} + 7 x^{8} - 2 x^{6} - 2 x^{5} - 12 x^{4} - 4 x^{3} - 4 x^{2} - 4 x - 1) / (x^{4} + x^{2} - 1)^{2}$$

Sequence: A248988
Score: 3.78049
Type of gen. func.: ogf

$$-(x^{11}+206x^9+416x^8+653x^7+810x^6+825x^5+614x^4+422x^3+198x^2+53x+2) / ((x^2+x+1)^2 (x+1)^3 (x-1)^5)$$

Sequence: A248996
Score: 3.39389
Type of gen. func.: ogf

$$-4(192x^8+563x^7-1168x^6-3382x^5-36x^4-579x^3-241x^2+52x+205) / (3x^9+8x^8-21x^7-48x^6+16x^5-9x^4-x^3+2x^2+3x-1)$$

Sequence: A249013
Score: 9.54624
Type of gen. func.: ogf

$$\frac{x^2 (x^4-x^3-1)}{(x^4+x^3+x^2+x+1)(x-1)^3}$$

Sequence: A249014
Score: 7.69235
Type of gen. func.: lgdegf]

$$-\frac{-2x^3+6x^2-6x+3}{-x^4+4x^3-6x^2+4x-1}$$

Sequence: A249015
Score: 4.27393
Type of gen. func.: ogf

$$\{(-n^2-7n-12)\,a(n+1)+(-2n-8)\,a(n+2)+a(n+4)-a(n+3),$$

a(0) = 1, a(1) = 1, a(2) = 5, a(3) = 17}

Sequence: A249019
Score: 4.84103
Type of gen. func.: ogf

$$(3 x^{15} + 3 x^{12} - 26 x^{10} - 8 x^{9} - 14 x^{7} - 8 x^{6} + 60 x^{5} + 22 x^{4} + 9 x^{3} + 4 x^{2} + 2 x + 1) / (x^{10} + x^{9} + x^{7} + x^{6} - 6 x^{5} - 5 x^{4} - 3 x^{3} - 2 x^{2} - x + 1)$$

Sequence: A249020
Score: 10.6440
Type of gen. func.: ogf

$$-\frac{x^{2} - x + 1}{(x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{3}}$$

Sequence: A249020
Score: 14.5741
Type of gen. func.: egf]_with_Euler_transform]

$$1 + x + 1/2 x^{2} + 1/24 x^{4} - 1/120 x^{5}$$

Sequence: A249025
Score: 6.61223
Type of gen. func.: ogf

$$\frac{x^{29} - x^{27} + x^{26} - x^{23} + 2 x^{4} + x^{2} + 2}{(x^{2} + x + 1) (x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A249059
Score: 3.24841
Type of gen. func.: ogf

2 2

$\{(4 n + 32 n + 48) a(n + 1) + (n + 15 n + 36) a(n + 2) + (-4 - 3 n) a(n + 3) + (-n - 4) a(n + 4), a(0) = 1, a(1) = 5, a(2) = 10, a(3) = 40\}$

Sequence: A249060
Score: 3.52366
Type of gen. func.: ogf

$\{(4 n^2 + 32 n + 48) a(n + 1) + (n^2 + 11 n + 28) a(n + 2) + (-8 - 4 n) a(n + 3) + (-n - 4) a(n + 4), a(0) = 1, a(1) = 4, a(2) = 5, a(3) = 24\}$

Sequence: A249062
Score: 13.2230
Type of gen. func.: lgdegf]

$$- \frac{x^3 + 3 x^2 + 3 x + 2}{-x - 1}$$

Sequence: A249062
Score: 4.28027
Type of gen. func.: ogf

$\{(-n^2 - 6 n - 8) a(n + 1) + (-2 n - 7) a(n + 2) + a(n + 4) - a(n + 3), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 18\}$

Sequence: A249075
Score: 3.30925
Type of gen. func.: ogf

$\{(8 n^2 + 48 n + 64) a(n + 1) + (2 n^2 + 22 n + 48) a(n + 2) + (-4 - 3 n) a(n + 3) + (-n - 4) a(n + 4), a(0) = 1, a(1) = 5, a(2) = 11, a(3) = 51\}$

Sequence: A249086
Score: 3.66024
Type of gen. func.: ogf

$$-(x^9 - 3x^8 - 880x^7 - 1135x^6 - 2260x^5 - 1823x^4 - 1364x^3 - 617x^2 - 177x - 22) / ((x^2 + x + 1)(x + 1)^2 (x - 1)^6)$$

Sequence: A249098
Score: 8.73175
Type of gen. func.: ogf

$$\frac{x^6 + x^5 + 2x^4 + 2x^3 + 2x^2 + 2x + 1}{(x + 1)(x^2 + x + 1)(x^2 - x + 1)(x - 1)^2}$$

Sequence: A249099
Score: 10.5708
Type of gen. func.: ogf

$$\frac{3x^4 + 2x^3 + 2x^2 + 2x + 2}{(x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A249101
Score: 3.23663
Type of gen. func.: ogf

$$\{(-6n^2 - 33n - 42)\,a(n + 1) + (-2n^2 - 20n - 42)\,a(n + 2) + (2 + 2n)\,a(n + 3) + (n + 4)\,a(n + 4),\ a(0) = 1,\ a(1) = 4,\ a(2) = 9,\ a(3) = 37\}$$

Sequence: A249123
Score: 7.45764
Type of gen. func.: ogf

$$\frac{2x^8 + 2x^7 + 2x^6 + 2x^5 + 2x^4 + 2x^3 + 2x^2 + 2x + 1}{(x^2 + x + 1)(x^6 + x^3 + 1)(x - 1)^2}$$

Sequence: A249127
Score: 11.0358
Type of gen. func.: ogf

$$-\frac{x (2 x^3 + 4 x^2 + 5 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A249127
Score: 4.19737
Type of gen. func.: ogf

$$\{(-5 n^2 - 25 n - 30) a(n + 1) + (-4 n^2 - 37 n - 75) a(n + 2) + (5 n^2 + 6 n - 8) a(n + 3) + (4 n^2 + 20 n + 24) a(n + 4), a(0) = 0, a(1) = 1, a(2) = 6, a(3) = 12\}$$

Sequence: A249127
Score: 9.92106
Type of gen. func.: lgdogf

$$-\frac{-4 x^4 - 14 x^3 - 30 x^2 - 18 x - 6}{-2 x^5 - 4 x^4 - 3 x^3 + 3 x^2 + 5 x + 1}$$

Sequence: A249164
Score: 7.51810
Type of gen. func.: ogf

$$-\frac{(11 x^2 + 1) (x + 1)^2}{(x - 1) (x^2 - 10 x + 1) (x^2 + 10 x + 1)}$$

Sequence: A249166
Score: 12.0303
Type of gen. func.: ogf

$$-\frac{810 x^6 - 990 x^5 - 11 x - 11}{}$$

$$(x-1)^2$$

Sequence: A249169
Score: 5.28624
Type of gen. func.: ogf

$$-1/(x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x-1)$$

Sequence: A249190
Score: 5.65001
Type of gen. func.: ogf

$$-\frac{2\,(32\,x^5+48\,x^4+56\,x^3+60\,x^2+62\,x+63)}{x^6+x^5+x^4+x^3+x^2+x-1}$$

Sequence: A249221
Score: 13.8565
Type of gen. func.: ogf

$$-\frac{2\,x^3-5\,x-1}{2\,x^4-6\,x^2+1}$$

Sequence: A249221
Score: 7.66813
Type of gen. func.: ogf

$$-(5578\,f(x)+3679)\,(2\,f(x)\,x^4-6\,f(x)\,x^2+2\,x^3+f(x)-5\,x-1)$$

Sequence: A249222
Score: 14.0454
Type of gen. func.: ogf

$$5\,x^3-5\,x-1$$

```
- --------------------------
                     2
  (x - 1) (x + 1) (5 x  - 1)
```

Sequence: A249222
Score: 8.33943
Type of gen. func.: ogf

$$(2 f(x) + 4739) (5 f(x) x^4 - 6 f(x) x^2 + 5 x^3 + f(x) - 5 x - 1)$$

Sequence: A249227
Score: 12.6101
Type of gen. func.: ogf

$$\{a(n + 1) - 2 a(n), a(0) = 486\}$$

Sequence: A249227
Score: 15.8359
Type of gen. func.: ogf

$$-2 f(x) x + f(x) - 486$$

Sequence: A249227
Score: 24.3194
Type of gen. func.: lgdogf

$$\frac{2}{-2 x + 1}$$

Sequence: A249227
Score: 25.2201
Type of gen. func.: ogf

$$-\frac{486}{2 x - 1}$$

Sequence: A249234
Score: 3.74682
Type of gen. func.: ogf

$$- 6 (147 x^{8} + 53 x^{7} + 266 x^{6} + 167 x^{5} + 314 x^{4} + 267 x^{3} + 166 x^{2} + 53 x + 7) / ((x^{2} + x + 1) (x + 1)^{2} (x - 1)^{7})$$

Sequence: A249246
Score: 6.18386
Type of gen. func.: ogf

$$(3 x^{11} + x^{10} + 12 x^{9} + 5 x^{8} + 15 x^{7} + 6 x^{6} + 15 x^{5} + 12 x^{4} + 12 x^{3} + 5 x^{2} + 3 x + 1) / ((x^{4} + 1) (x^{2} + 1) (x + 1)^{2} (x - 1)^{2})$$

Sequence: A249264
Score: 7.09477
Type of gen. func.: ogf

$$\frac{x (66 x^{16} - 66 x^{15} - 153 x^{14} + 153 x^{13} + 91 x^{12} - 91 x^{11} - 3 x^{2} - x - 2)}{(x - 1)^{3} (x + 1)^{3}}$$

Sequence: A249265
Score: 5.01956
Type of gen. func.: ogf

$$x (x - 1) (12 x^{12} + 28 x^{10} + 3 x^{9} - 2 x^{8} + 7 x^{7} - 24 x^{6} - 2 x^{5} - 9 x^{3} - 4 x^{2} - 3 x - 2) / (x^{4} + x^{2} - 1)^{2}$$

Sequence: A249285
Score: 4.04826
Type of gen. func.: ogf

$$- \frac{4 (48 x^{7} - 18 x^{6} - 133 x^{5} + 23 x^{4} + 134 x^{3} + 104 x^{2} + 63 x + 51)}{{}^{8} \quad {}^{7} \quad {}^{6} \quad {}^{5} \quad {}^{4} \quad {}^{3} \quad {}^{2}}$$

$$3 x - 2 x - 8 x + 4 x + 8 x + 4 x + 2 x + 2 x - 1$$

Sequence: A249291
Score: 6.28759
Type of gen. func.: ogf

$$-\frac{2 (7 x^5 + 29 x^3 + 17 x^2 + 12 x + 7)}{(x^2 + x + 1) (x + 1) (x - 1)^5}$$

Sequence: A249308
Score: 13.1275
Type of gen. func.: lgdogf

$$-\frac{-16 x - 2}{-32 x^3 - 16 x^2 + 2 x + 1}$$

Sequence: A249308
Score: 13.3538
Type of gen. func.: ogf

$$-16 f(x)^2 x^2 + f(x)^2 - 4 x^2 - 4 x - 1$$

Sequence: A249308
Score: 4.52937
Type of gen. func.: ogf

$\{(-n - 3) a(n + 3) + (-2 - 2 n) a(n + 2) + (32 + 16 n) a(n + 1) + 32 n a(n),$

$a(0) = 1, a(1) = 2, a(2) = 8\}$

Sequence: A249310
Score: 13.4101
Type of gen. func.: ogf

$$-\frac{(x + 1) (6 x^2 - 6 x - 1)}{6 x^4 - 8 x^2 + 1}$$

Sequence: A249310
Score: 7.49388
Type of gen. func.: ogf

$$-(358 f(x) + 1143) (6 f(x) x^4 - 8 f(x) x^2 + 6 x^3 + f(x) - 7 x - 1)$$

Sequence: A249311
Score: 13.1564
Type of gen. func.: ogf

$$-\frac{(x + 1) (8 x^2 - 8 x - 1)}{8 x^4 - 10 x^2 + 1}$$

Sequence: A249311
Score: 7.48113
Type of gen. func.: ogf

$$-(187 f(x) + 777) (8 f(x) x^4 - 10 f(x) x^2 + 8 x^3 + f(x) - 9 x - 1)$$

Sequence: A249312
Score: 11.9642
Type of gen. func.: ogf

$$-\frac{(x + 1) (10 x^2 - 10 x - 1)}{10 x^4 - 12 x^2 + 1}$$

Sequence: A249312
Score: 6.82069
Type of gen. func.: ogf

$$-(1354 f(x) + 6945) (10 f(x) x^4 - 12 f(x) x^2 + 10 x^3 + f(x) - 11 x - 1)$$

Sequence: A249313

Score: 12.4449
Type of gen. func.: ogf

$$-\frac{(x + 1)\,(12\,x^{2} - 12\,x - 1)}{12\,x^{4} - 14\,x^{2} + 1}$$

Sequence: A249313
Score: 7.09473
Type of gen. func.: ogf

$$-(1112\,f(x) + 6795)\,(12\,f(x)\,x^{4} - 14\,f(x)\,x^{2} + 12\,x^{3} + f(x) - 13\,x - 1)$$

Sequence: A249333
Score: 10.3476
Type of gen. func.: ogf

$$-\frac{3\,x^{4} - x^{3} - 7\,x^{2} + 2\,x + 7}{(x + 1)^{2}\,(x - 1)^{3}}$$

Sequence: A249333
Score: 8.29590
Type of gen. func.: lgdogf

$$-\frac{-3\,x^{5} - x^{4} + 10\,x^{3} + 2\,x^{2} - 23\,x - 9}{-3\,x^{6} + x^{5} + 10\,x^{4} - 3\,x^{3} - 14\,x^{2} + 2\,x + 7}$$

Sequence: A249349
Score: 4.11248
Type of gen. func.: ogf

$$\{(2\,n^{2} + 11\,n + 15)\,a(n + 1) + (-2\,n^{2} - 12\,n - 17)\,a(n + 2) + (n + 2)\,a(n + 3),$$

$$a(0) = 0,\ a(1) = 1,\ a(2) = 7\}$$

Sequence: A249354

Score: 10.6936
Type of gen. func.: ogf

$$\frac{x (x^2 + 10 x + 7)}{(x - 1)^4}$$

Sequence: A249354
Score: 11.9898
Type of gen. func.: lgdogf

$$- \frac{2 x^2 + 32 x + 38}{x^3 + 9 x^2 - 3 x - 7}$$

Sequence: A249354
Score: 3.93696
Type of gen. func.: ogf

$$\{(21 + 7 n) a(n + 4) + (-32 + 3 n) a(n + 3) + (-41 - 9 n) a(n + 2)$$
$$+ (-2 - n) a(n + 1), a(0) = 0, a(1) = 7, a(2) = 38, a(3) = 111\}$$

Sequence: A249354
Score: 5.65235
Type of gen. func.: ogf

$$(1272 f(x) + 7817)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 10 x^2 + f(x) - 7 x)$$

Sequence: A249356
Score: 9.67800
Type of gen. func.: ogf

$$- \frac{x^5 - x^4 + 15 x + 1}{(x^2 + 1) (x + 1) (x - 1)^3}$$

Sequence: A249391
Score: 10.2644
Type of gen. func.: ogf

$$-(f(x) - x - 1)^3$$

Sequence: A249393
Score: 9.9711
Type of gen. func.: ogf

$$(f(x) - x - 1)^2$$

Sequence: A249450
Score: 12.2666
Type of gen. func.: ogf

$$\frac{(3 x - 1) (x - 2)}{(x - 1) (x^2 - 3 x + 1)}$$

Sequence: A249450
Score: 6.56371
Type of gen. func.: ogf

$$(51 f(x) - 101) (f(x) x^3 - 4 f(x) x^2 + 4 f(x) x - 3 x^2 - f(x) + 7 x - 2)$$

Sequence: A249450
Score: 6.68093
Type of gen. func.: ogf

{a(n + 3) - 4 a(n + 2) + 4 a(n + 1) - a(n), a(0) = -2, a(1) = -1, a(2) = 1}

Sequence: A249450
Score: 7.26470
Type of gen. func.: lgdogf

$$-\frac{3 x^4 - 14 x^3 + 22 x^2 - 10 x + 1}{3 x^5 - 19 x^4 + 42 x^3 - 39 x^2 + 15 x - 2}$$

Sequence: A249452
Score: 11.3420
Type of gen. func.: ogf

$$-\frac{16 x^3 + 14 x^2 - 16 x - 15}{(2 x^2 - 1) (x - 1)}$$

Sequence: A249452
Score: 6.08798
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 3) + 2 a(n + 2) - 2 a(n + 1), a(0) = 15, a(1) = 31, a(2) = 47, a(3) = 63\}$$

Sequence: A249452
Score: 6.2253
Type of gen. func.: ogf

$$-(255 f(x) + 15151) (2 f(x) x^3 - 2 f(x) x^2 + 16 x^3 - f(x) x + 14 x^2 + f(x) - 16 x - 15)$$

Sequence: A249453
Score: 12.2100
Type of gen. func.: ogf

$$-\frac{12 x^2 - 13 x + 4}{(2 x - 1) (x - 1)^2}$$

Sequence: A249453
Score: 6.51891
Type of gen. func.: ogf

$$(255 f(x) - 1064) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x + 12 x^2 - f(x) - 13 x + 4)$$

Sequence: A249453
Score: 6.86814
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 4, a(1) = 3, a(2) = 4\}$$

Sequence: A249453
Score: 8.84175
Type of gen. func.: lgdogf

$$- \frac{-24 x^3 + 28 x^2 - 13 x + 3}{-24 x^4 + 62 x^3 - 59 x^2 + 25 x - 4}$$

Sequence: A249454
Score: 7.07006
Type of gen. func.: lgdegf]

$$\frac{16 x^3 + (256 x^6 + 128 x^4 + 20 x^2 + 1)^{1/2} + 4 x}{4 x^2 + 1}$$

Sequence: A249457
Score: 4.97702
Type of gen. func.: ogf

$$\{-a(n + 3) + 37 a(n + 2) - 111 a(n + 1) + 27 a(n), a(0) = 10, a(1) = 100,$$
$$a(2) = 2890\}$$

Sequence: A249457
Score: 5.42295
Type of gen. func.: ogf

$$(20092 f(x) - 23017)$$
$$(27 f(x) x^3 - 111 f(x) x^2 + 37 f(x) x + 300 x^2 - f(x) - 270 x + 10)$$

Sequence: A249457
Score: 8.67424
Type of gen. func.: ogf

$$-\frac{10\,(30\,x^2 - 27\,x + 1)}{(3\,x - 1)\,(9\,x^2 - 34\,x + 1)}$$

Sequence: A249458
Score: 4.28685
Type of gen. func.: ogf

$$(40596\,f(x) + 196801)$$

$$(343\,f(x)\,x^3 - 231\,f(x)\,x^2 + 33\,f(x)\,x + 700\,x^2 - f(x) - 230\,x + 10)$$

Sequence: A249458
Score: 4.53082
Type of gen. func.: ogf

$$\{-a(n + 3) + 33\,a(n + 2) - 231\,a(n + 1) + 343\,a(n),\ a(0) = 10,\ a(1) = 100,$$
$$a(2) = 1690\}$$

Sequence: A249458
Score: 7.84917
Type of gen. func.: ogf

$$-\frac{10\,(70\,x^2 - 23\,x + 1)}{(7\,x - 1)\,(49\,x^2 - 26\,x + 1)}$$

Sequence: A249460
Score: 3.54536
Type of gen. func.: ogf

$$\{(3\,n^2 + 35\,n + 58)\,a(n + 1) + (-7\,n^2 - 28\,n + 125)\,a(n + 2)$$
$$+ (4\,n^2 - 13\,n)\,a(n + 3),\ a(0) = 0,\ a(1) = 0,\ a(2) = 0,\ a(3) = 1\}$$

Sequence: A249460
Score: 5.75344
Type of gen. func.: ogf

$$-\frac{x^3 (20 x^3 + 6 x^2 + 3 x + 1)}{(x - 1)^7}$$

Sequence: A249460
Score: 7.62665
Type of gen. func.: lgdogf

$$-\frac{80 x^3 + 90 x^2 + 30 x + 10}{20 x^4 - 14 x^3 - 3 x^2 - 2 x - 1}$$

Sequence: A249467
Score: 3.70761
Type of gen. func.: ogf

$$\frac{10 (3 x^8 - 3 x^7 + 32 x^6 + 5 x^5 + 50 x^4 + 19 x^3 + 28 x^2 + 7 x + 3)}{(x + 1) (x^2 + 1) (x^2 + x + 1) (x - 1)^6}$$

Sequence: A249483
Score: 7.45273
Type of gen. func.: ogf

$$-\frac{(x^2 + 8 x + 1) (x^2 - 5 x + 1)}{(x - 1) (x^2 - 10 x + 1) (x^2 + 10 x + 1)}$$

Sequence: A249512
Score: 7.85122
Type of gen. func.: ogf

$$-5 f(x)^2 x^2 + 4 f(x) x^2 + f(x)^2 - 2 f(x) + 1$$

Sequence: A249513
Score: 7.50764
Type of gen. func.: ogf

$$20 f(x)^2 x^4 + f(x)^2 x^2 + 40 f(x) x^3 - f(x)^2 + 10 f(x) x + 1$$

Sequence: A249547
Score: 12.7592
Type of gen. func.: lgdogf

$$-\frac{-9 x^2 - 14 x - 7}{-3 x^3 - 2 x^2 + 3 x + 2}$$

Sequence: A249547
Score: 14.5500
Type of gen. func.: ogf

$$-\frac{x (3 x + 2)}{(x + 1) (x - 1)^3}$$

Sequence: A249547
Score: 4.20989
Type of gen. func.: ogf

$$\{(-6 - 2 n) a(n + 4) + (1 - 3 n) a(n + 3) + (16 + 2 n) a(n + 2) + (9 + 3 n) a(n + 1), a(0) = 0, a(1) = 2, a(2) = 7, a(3) = 14\}$$

Sequence: A249547
Score: 7.4049
Type of gen. func.: ogf

$$(525 f(x) - 2903) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x + 3 x^2 - f(x) + 2 x)$$

Sequence: A249572
Score: 10.5520
Type of gen. func.: ogf

$$\frac{10 x^3 - 6 x^2 + 3 x + 1}{(x - 1) (10 x^2 - 1)}$$

Sequence: A249572
Score: 5.62772
Type of gen. func.: ogf

$\{-a(n + 4) + a(n + 3) + 10 a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 4, a(2) = 8,$

$a(3) = 48\}$

Sequence: A249572
Score: 6.12696
Type of gen. func.: ogf

$(9 + 215 f(x))$

$(10 f(x) x^3 - 10 f(x) x^2 - 10 x^3 - f(x) x + 6 x^2 + f(x) - 3 x - 1)$

Sequence: A249572
Score: 6.72338
Type of gen. func.: lgdogf

$$- \frac{40 x^4 + 80 x^3 - 36 x^2 - 8 x - 4}{100 x^6 - 160 x^5 + 80 x^4 - 4 x^3 - 19 x^2 + 2 x + 1}$$

Sequence: A249576
Score: 12.5932
Type of gen. func.: ogf

$$- \frac{x (2 x^4 - x^3 + x^2 + 1)}{x^6 + 2 x^3 - 1}$$

Sequence: A249577
Score: 12.9238

Type of gen. func.: ogf

$$-\frac{x^4 + x^2 - x + 2}{x^6 - 2x^3 - 1}$$

Sequence: A249578
Score: 9.76949
Type of gen. func.: ogf

$$\frac{x(3x^4 - 2x^3 + x^2 + 1)}{x^6 - 4x^3 + 1}$$

Sequence: A249579
Score: 9.47773
Type of gen. func.: ogf

$$-\frac{x(3x^6 - x^5 - 2x^4 + x^3 + x + 1)}{x^8 + 3x^4 - 1}$$

Sequence: A249580
Score: 7.55993
Type of gen. func.: ogf

$$-\frac{x^6 + x^5 + x^3 - 2x^2 - x + 3}{x^8 - 3x^4 - 1}$$

Sequence: A249581
Score: 8.94849
Type of gen. func.: ogf

$$\frac{x(4x^6 - 2x^5 - 3x^4 + x^3 + x + 1)}{2x^8 - 5x^4 + 1}$$

Sequence: A249582
Score: 12.3978
Type of gen. func.: ogf

$$-\frac{5x^2-1}{25x^4-5x^3-8x^2-x+1}$$

Sequence: A249582
Score: 6.24621
Type of gen. func.: ogf

$$(2774 f(x) + 305)$$

$$(25 f(x) x^4 - 5 f(x) x^3 - 8 f(x) x^2 - f(x) x + 5 x^2 + f(x) - 1)$$

Sequence: A249582
Score: 7.11525
Type of gen. func.: lgdogf

$$-\frac{250x^5-25x^4-100x^3+20x^2+6x+1}{125x^6-25x^5-65x^4+13x^2+x-1}$$

Sequence: A249604
Score: 15.5074
Type of gen. func.: ogf

$$\frac{1}{(x-1)(100x^2+10x-1)}$$

Sequence: A249604
Score: 5.86413
Type of gen. func.: ogf

$$\{-a(n+3) + 11 a(n+2) + 90 a(n+1) - 100 a(n),\ a(0) = 1,\ a(1) = 11,$$

$$a(2) = 211\}$$

Sequence: A249604
Score: 6.12133
Type of gen. func.: ogf

$$-(45871 f(x) + 1325) (100 f(x) x^3 - 90 f(x) x^2 - 11 f(x) x + f(x) - 1)$$

Sequence: A249604
Score: 9.55934
Type of gen. func.: lgdogf

$$-\frac{-300 x^2 + 180 x + 11}{-100 x^3 + 90 x^2 + 11 x - 1}$$

Sequence: A249657
Score: 4.11589
Type of gen. func.: ogf

$$-\frac{x^9 - 3 x^8 + 32 x^7 - 31 x^6 + 172 x^5 - 19 x^4 + 148 x^3 + 11 x^2 + 47 x + 2}{(x + 1) (x^2 + 1) (x^2 + x + 1) (x - 1)^5}$$

Sequence: A249665
Score: 7.85775
Type of gen. func.: ogf

$$-\frac{x^3 + x - 1}{x^8 + x^7 - x^5 - x^4 - 2 x^3 + x^2 - 2 x + 1}$$

Sequence: A249674
Score: 13.4916
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 30 x$$

Sequence: A249674
Score: 21.3026
Type of gen. func.: ogf

$$\frac{30 x}{(x - 1)^{2}}$$

Sequence: A249674
Score: 28.9107
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A249674
Score: 61.9392
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A249674
Score: 9.87194
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 30\}$$

Sequence: A249691
Score: 3.28873
Type of gen. func.: ogf

$$\{(-81 n^{2} - 243 n - 180) a(n + 1) + (39 n^{2} + 204 n + 273) a(n + 2) + (-4 n^{2} - 26 n - 42) a(n + 3), a(0) = 2, a(1) = 7, a(2) = 36\}$$

Sequence: A249691
Score: 7.40956
Type of gen. func.: ogf

$$-27 f(x)^{3} x^{2} + 4 f(x)^{3} x - 12 f(x) x - f(x) - x + 2$$

Sequence: A249693
Score: 8.42592
Type of gen. func.: ogf

$$\frac{x^5 + 3x^4 + 3x^3 - x^2 + 2x + 1}{(x^2 + 1)(x + 1)^2 (x - 1)^2}$$

Sequence: A249701
Score: 4.01960
Type of gen. func.: ogf

$$-\frac{54x^9 + 34x^8 - 36x^7 - 55x^6 - 2x^5 - 127x^4 - 25x^3 + 35x^2 - 48x + 39}{(x + 1)(2x^3 - 2x^2 + 2x - 1)(x^6 - x^4 - x^3 + x^2 - 2x + 1)}$$

Sequence: A249708
Score: 7.61347
Type of gen. func.: lgdogf

$$-\frac{x^4 - 6x^3 - 6x^2 + 2x + 69}{x^5 - 6x^4 + 8x^3 - 4x^2 + 15x - 14}$$

Sequence: A249708
Score: 7.85140
Type of gen. func.: ogf

$$-\frac{(x - 2)(x^3 - 3x^2 - 3x - 7)}{(x - 1)^5}$$

Sequence: A249709
Score: 6.41916
Type of gen. func.: ogf

5   4   3   2

$$-\frac{x - 6x + 12x + 10x - 5x - 20}{(x-1)^6}$$

Sequence: A249710
Score: 5.89278
Type of gen. func.: ogf

$$-\frac{x^5 - 6x^4 + 20x^3 + 10x^2 - 53x - 28}{(x-1)^6}$$

Sequence: A249711
Score: 6.21656
Type of gen. func.: ogf

$$-\frac{x^5 - 6x^4 + 24x^3 - 32x^2 - 149x - 38}{(x-1)^6}$$

Sequence: A249712
Score: 4.81528
Type of gen. func.: ogf

$$-\frac{x^6 - 7x^5 + 20x^4 - 136x^3 - 81x^2 + 295x + 52}{(x-1)^7}$$

Sequence: A249713
Score: 4.51930
Type of gen. func.: ogf

$$-\frac{x^7 - 8x^6 + 5x^5 - 152x^4 + 411x^3 + 344x^2 - 601x - 72}{(x-1)^8}$$

Sequence: A249714
Score: 6.82561

Type of gen. func.: ogf

$$\frac{x (18 x^{6} + 3 x^{5} + 2 x^{4} + 5 x^{3} - x - 1)}{2 x - 1}$$

Sequence: A249715
Score: 5.42135
Type of gen. func.: ogf

$$\frac{x (40 x^{7} - 32 x^{6} - 4 x^{5} + 8 x^{4} - 12 x^{3} + 3 x^{2} - 6 x + 4)}{(2 x - 1) (x - 1)}$$

Sequence: A249753
Score: 4.06400
Type of gen. func.: ogf

$$- (16 x^{11} + 8 x^{10} + 14 x^{9} - 7 x^{8} - 33 x^{7} - 8 x^{6} - 13 x^{5} - 13 x^{4} + 16 x^{3} + 9 x^{2} - 2 x - 1) / ((x - 1) (2 x + 1) (2 x - 1) (8 x^{2} - 1) (2 x^{2} - 1) (x^{2} + 1))$$

Sequence: A249789
Score: 8.49423
Type of gen. func.: lgdegf]

$$\frac{16 x^{3} + (-4 x^{2} + 1)^{1/2} - 4 x}{32 x^{4} - 12 x^{2} + 1}$$

Sequence: A249792
Score: 7.61453
Type of gen. func.: lgdogf

$$- \frac{2 x^{4} + x^{3} - 9 x^{2} + 2 x + 1}{x^{7} - 7 x^{6} + 19 x^{5} - 31 x^{4} + 36 x^{3} - 26 x^{2} + 9 x - 1}$$

Sequence: A249845
Score: 3.82984
Type of gen. func.: ogf

$$\{(n^2 + 6 n + 8) a(n + 1) + (-2 n^2 - 14 n - 53) a(n + 2) + (n^2 + 8 n + 15) a(n + 3), a(0) = 10, a(1) = 110, a(2) = 560\}$$

Sequence: A249845
Score: 6.97031
Type of gen. func.: ogf

$$\frac{10 (x + 1) (x^2 + 4 x + 1)}{(x - 1)^6}$$

Sequence: A249845
Score: 9.29375
Type of gen. func.: lgdogf

$$- \frac{3 x^3 + 23 x^2 + 35 x + 11}{x^4 + 4 x^3 - 4 x - 1}$$

Sequence: A249846
Score: 5.54685
Type of gen. func.: ogf

$$- \frac{2 (17 x^4 + 112 x^3 + 162 x^2 + 64 x + 5)}{(x - 1)^7}$$

Sequence: A249847
Score: 4.36338
Type of gen. func.: ogf

$$103 x^5 + 990 x^4 + 2186 x^3 + 1472 x^2 + 279 x + 10$$
$$\overline{}$$

$$(x - 1)^{8}$$

Sequence: A249848
Score: 3.80860
Type of gen. func.: ogf

$$-\frac{311 x^{6} + 4287 x^{5} + 14224 x^{4} + 15390 x^{3} + 5535 x^{2} + 563 x + 10}{(x - 1)^{9}}$$

Sequence: A249852
Score: 10.1265
Type of gen. func.: ogf

$$-\frac{x (x^{3} + x^{2} + x + 2)}{(x^{2} + 1) (x - 1)^{3}}$$

Sequence: A249852
Score: 8.92333
Type of gen. func.: lgdogf

$$-\frac{2 x^{5} + 4 x^{4} + 4 x^{3} + 13 x^{2} + 7}{x^{6} + x^{4} + x^{3} - 2 x^{2} + x - 2}$$

Sequence: A249859
Score: 5.88504
Type of gen. func.: ogf

$$(6 x^{12} + 2 x^{11} + 3 x^{10} - 23 x^{8} - 12 x^{7} - 30 x^{6} - 8 x^{5} - 12 x^{4} - 6 x^{3} - 5 x^{2} - 3) \Big/ ((x - 1)^{3} (x + 1)^{3} (x^{2} + 1)^{3})$$

Sequence: A249862
Score: 13.9852
Type of gen. func.: ogf

$$-\frac{17 x - 1}{9 x^2 - 34 x + 1}$$

Sequence: A249862
Score: 6.91901
Type of gen. func.: ogf

$$-(560 f(x) - 271) (9 f(x) x^2 - 34 f(x) x + f(x) + 17 x - 1)$$

Sequence: A249862
Score: 7.82506
Type of gen. func.: ogf

$$\{a(n + 2) - 34 a(n + 1) + 9 a(n), a(0) = 1, a(1) = 17\}$$

Sequence: A249862
Score: 9.00418
Type of gen. func.: lgdogf

$$-\frac{-153 x^2 + 18 x - 17}{-153 x^3 + 587 x^2 - 51 x + 1}$$

Sequence: A249863
Score: 10.2906
Type of gen. func.: lgdogf

$$-\frac{98 x - 26}{49 x^2 - 26 x + 1}$$

Sequence: A249863
Score: 15.2889
Type of gen. func.: ogf

$$\frac{1}{\quad^2}$$

```
                                49 x  - 26 x + 1



------------------------------------------------------------------------------

Sequence:  A249863
Score: 6.2222
Type of gen. func.: ogf


                                        2
              (289 f(x) + 49) (49 f(x) x  - 26 f(x) x + f(x) - 1)



------------------------------------------------------------------------------

Sequence:  A249863
Score: 6.29541
Type of gen. func.: ogf


            {-a(n + 2) + 26 a(n + 1) - 49 a(n), a(0) = 1, a(1) = 26}



------------------------------------------------------------------------------

Sequence:  A249864
Score: 10.9171
Type of gen. func.: ogf


                                     13 x - 1
                               - ----------------
                                     2
                                 49 x  - 26 x + 1



------------------------------------------------------------------------------

Sequence:  A249864
Score: 5.51599
Type of gen. func.: ogf


                                     2
          -(240 f(x) - 71) (49 f(x) x  - 26 f(x) x + f(x) + 13 x - 1)



------------------------------------------------------------------------------

Sequence:  A249864
Score: 6.16494
Type of gen. func.: ogf


            {a(n + 2) - 26 a(n + 1) + 49 a(n), a(0) = 1, a(1) = 13}



------------------------------------------------------------------------------

Sequence:  A249864
Score: 7.17836
Type of gen. func.: lgdogf
```

$$-\frac{-637 x^2 + 98 x - 13}{-637 x^3 + 387 x^2 - 39 x + 1}$$

Sequence: A249884
Score: 4.41618
Type of gen. func.: ogf

$$\frac{35 (x + 1) (x^2 + 10 x + 1) (x^2 + 4 x + 1)}{(x - 1)^8}$$

Sequence: A249885
Score: 3.82264
Type of gen. func.: ogf

$$-\frac{5 (31 x^6 + 546 x^5 + 2457 x^4 + 3340 x^3 + 1473 x^2 + 210 x + 7)}{(x - 1)^9}$$

Sequence: A249908
Score: 5.23261
Type of gen. func.: ogf

$$-5 f(x)^2 x^3 - 2 f(x)^2 x^2 - f(x)^2 x - 5 f(x) x^2 - 2 f(x) x - f(x) - x - 1$$

Sequence: A249910
Score: 13.8749
Type of gen. func.: ogf

$$-\frac{4 x^3 + x^2 + 2 x + 2}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A249910
Score: 7.78349
Type of gen. func.: ogf

$$-(f(x) + 5) (f(x) x^4 - f(x) x^3 + 4 x^3 + f(x) x + x^2 - f(x) + 2 x + 2)$$

Sequence: A249911
Score: 13.8298
Type of gen. func.: ogf

$$-\frac{x (57 x + 1)}{(x - 1)^3}$$

Sequence: A249911
Score: 15.1345
Type of gen. func.: lgdogf

$$-\frac{-114 x - 60}{-57 x^2 + 56 x + 1}$$

Sequence: A249911
Score: 6.316
Type of gen. func.: ogf

$$-(34740028 f(x) - 667871799)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 57 x^2 - f(x) + x)$$

Sequence: A249911
Score: 7.16188
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 60\}$$

Sequence: A249916
Score: 9.16742
Type of gen. func.: ogf

$$\frac{x^4 - x^3 + 4 x^2 - x + 1}{(x^2 - x + 1) (x + 1) (x - 1)^2}$$

Sequence: A249924
Score: 13.8706
Type of gen. func.: ogf

$$1 - f(x) + 3 f(x)^2 x - f(x)^3 x^2$$

Sequence: A249924
Score: 22.7323
Type of gen. func.: revogf

$$x (x^2 - 3 x + 1)$$

Sequence: A249924
Score: 4.37627
Type of gen. func.: ogf

$$\{(-27 n^2 - 108 n - 105) a(n + 1) + (-54 n^2 - 297 n - 405) a(n + 2)$$
$$+ (5 n^2 + 35 n + 60) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 17\}$$

Sequence: A249925
Score: 14.7995
Type of gen. func.: ogf

$$-5 f(x)^2 x^2 - 2 f(x) x + f(x) - 1$$

Sequence: A249925
Score: 21.8293
Type of gen. func.: revogf

$$- \frac{x}{-5 x^2 - 2 x - 1}$$

Sequence: A249925

Score: 5.70700
Type of gen. func.: ogf

$$\{(-16 n - 32) a(n + 1) + (-4 n - 14) a(n + 2) + (n + 5) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 9\}$$

Sequence: A249946
Score: 10.1089
Type of gen. func.: lgdogf

$$-\frac{x^3 + 4 x^2 - 2 x - 1}{-x^5 + 3 x^4 - 9 x^3 + 13 x^2 - 7 x + 1}$$

Sequence: A249946
Score: 7.08421
Type of gen. func.: ogf

$$f(x)^2 x^4 - 2 f(x)^2 x^3 + 7 f(x)^2 x^2 - x^4 - 6 f(x)^2 x + 4 x^3 + f(x)^2 - 6 x^2 + 4 x - 1$$

Sequence: A249961
Score: 5.54685
Type of gen. func.: ogf

$$-\frac{15 (x^2 + 10 x + 1) (x + 1)^2}{(x - 1)^7}$$

Sequence: A249961
Score: 8.71648
Type of gen. func.: lgdogf

$$-\frac{3 x^3 + 49 x^2 + 97 x + 19}{x^4 + 10 x^3 - 10 x - 1}$$

Sequence: A249962
Score: 4.41618
Type of gen. func.: ogf

$$\frac{5 (x + 1) (11 x^4 + 154 x^3 + 262 x^2 + 74 x + 3)}{(x - 1)^8}$$

Sequence: A249963
Score: 3.82700
Type of gen. func.: ogf

$$- \frac{175 x^6 + 3594 x^5 + 13281 x^4 + 15932 x^3 + 6561 x^2 + 762 x + 15}{(x - 1)^9}$$

Sequence: A249983
Score: 7.32501
Type of gen. func.: lgdogf

$$- \frac{3 x^4 + 26 x^3 + 135 x^2 + 120 x + 44}{x^5 + 6 x^4 + 23 x^3 + 4 x^2 - 24 x - 10}$$

Sequence: A249983
Score: 8.01173
Type of gen. func.: ogf

$$\frac{2 (x^3 + 6 x^2 + 24 x + 10)}{(x + 1)^2 (x - 1)^4}$$

Sequence: A249984
Score: 7.28006
Type of gen. func.: lgdogf

$$- \frac{x^4 + 24 x^3 - 27 x^2 + 90 x + 192}{x^5 + 9 x^4 - 29 x^3 + 51 x^2 - 32}$$

Sequence: A249984
Score: 7.35360
Type of gen. func.: ogf

$$-\frac{2\,(x^4 + 10\,x^3 - 19\,x^2 + 32\,x + 32)}{(x - 1)^5}$$

Sequence: A249985
Score: 3.44284
Type of gen. func.: ogf

$$-2\,(x^9 - 2\,x^8 - 4\,x^7 - 58\,x^6 - 579\,x^5 - 1402\,x^4 - 2559\,x^3 - 1618\,x^2 - 667\,x - 68) \Big/ ((x + 1)^4\,(x - 1)^6)$$

Sequence: A249986
Score: 4.73807
Type of gen. func.: ogf

$$\frac{2\,(84\,x^5 - 134\,x^4 - 309\,x^3 - 1444\,x^2 - 1938\,x - 233)}{(x - 1)^7}$$

Sequence: A249992
Score: 13.2950
Type of gen. func.: lgdogf

$$-\frac{-18\,x^2 - 14\,x}{-6\,x^3 - 7\,x^2 + 1}$$

Sequence: A249992
Score: 23.3670
Type of gen. func.: ogf

$$- \frac{}{(3 x - 1) (2 x + 1) (x + 1)}$$

Sequence: A249992
Score: 8.29153
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 1) + 6 a(n), a(0) = 1, a(1) = 0, a(2) = 7\}$$

Sequence: A249992
Score: 8.66417
Type of gen. func.: ogf

$$-(235 f(x) + 108) (6 f(x) x^3 + 7 f(x) x^2 - f(x) + 1)$$

Sequence: A249993
Score: 11.2331
Type of gen. func.: lgdogf

$$- \frac{24 x^2 + 20 x + 1}{8 x^3 + 10 x^2 + x - 1}$$

Sequence: A249993
Score: 19.8058
Type of gen. func.: ogf

$$- \frac{1}{(4 x - 1) (2 x + 1) (x + 1)}$$

Sequence: A249993
Score: 6.60194
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 10 a(n + 1) + 8 a(n), a(0) = 1, a(1) = 1, a(2) = 11\}$$

Sequence: A249993
Score: 7.16781

Type of gen. func.: ogf

$$(1617 f(x) + 568) (8 f(x) x^3 + 10 f(x) x^2 + f(x) x - f(x) + 1)$$

Sequence: A249994
Score: 11.4992
Type of gen. func.: lgdogf

$$- \frac{-72 x^2 + 20 x + 3}{-24 x^3 + 10 x^2 + 3 x - 1}$$

Sequence: A249994
Score: 18.1847
Type of gen. func.: ogf

$$\frac{1}{(4 x - 1) (2 x - 1) (3 x + 1)}$$

Sequence: A249994
Score: 6.79951
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 10 a(n + 1) + 24 a(n), a(0) = 1, a(1) = 3, a(2) = 19\}$$

Sequence: A249994
Score: 7.30788
Type of gen. func.: ogf

$$(8993 f(x) + 7992) (24 f(x) x^3 - 10 f(x) x^2 - 3 f(x) x + f(x) - 1)$$

Sequence: A249995
Score: 12.2426
Type of gen. func.: lgdogf

$$- \frac{-72 x^2 + 4 x + 5}{-24 x^3 + 2 x^2 + 5 x - 1}$$

Sequence: A249995
Score: 19.2383
Type of gen. func.: ogf

$$\frac{1}{(4 x - 1) (3 x - 1) (2 x + 1)}$$

Sequence: A249995
Score: 7.08780
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) + 2 a(n + 1) - 24 a(n), a(0) = 1, a(1) = 5, a(2) = 27\}$$

Sequence: A249995
Score: 7.76931
Type of gen. func.: ogf

$$(245 f(x) - 648) (24 f(x) x^3 - 2 f(x) x^2 - 5 f(x) x + f(x) - 1)$$

Sequence: A249996
Score: 11.8747
Type of gen. func.: lgdogf

$$- \frac{72 x^2 + 28 x - 1}{24 x^3 + 14 x^2 - x - 1}$$

Sequence: A249996
Score: 20.7046
Type of gen. func.: ogf

$$- \frac{1}{(2 x + 1) (3 x + 1) (4 x - 1)}$$

Sequence: A249996
Score: 7.02157

Type of gen. func.: ogf

$$\{a(n+3) + a(n+2) - 14\,a(n+1) - 24\,a(n),\ a(0) = 1,\ a(1) = -1,\ a(2) = 15\}$$

Sequence: A249996
Score: 7.14584
Type of gen. func.: ogf

$$-(14347\,f(x) + 11448)\,(24\,f(x)\,x^3 + 14\,f(x)\,x^2 - f(x)\,x - f(x) + 1)$$

Sequence: A249997
Score: 11.2596
Type of gen. func.: lgdogf

$$-\frac{-36\,x^2 + 22\,x + 2}{-12\,x^3 + 11\,x^2 + 2\,x - 1}$$

Sequence: A249997
Score: 19.6322
Type of gen. func.: ogf

$$\frac{1}{(x-1)\,(3\,x+1)\,(4\,x-1)}$$

Sequence: A249997
Score: 6.65786
Type of gen. func.: ogf

$$\{a(n+3) - 2\,a(n+2) - 11\,a(n+1) + 12\,a(n),\ a(0) = 1,\ a(1) = 2,\ a(2) = 15\}$$

Sequence: A249997
Score: 6.96048
Type of gen. func.: ogf

$$(248651\,f(x) + 59184)\,(12\,f(x)\,x^3 - 11\,f(x)\,x^2 - 2\,f(x)\,x + f(x) - 1)$$

Sequence: A249998
Score: 13.5679
Type of gen. func.: lgdogf

$$-\frac{-36 x^2 - 26 x}{-12 x^3 - 13 x^2 + 1}$$

Sequence: A249998
Score: 23.2592
Type of gen. func.: ogf

$$-\frac{1}{(4 x - 1) (3 x + 1) (x + 1)}$$

Sequence: A249998
Score: 8.47992
Type of gen. func.: ogf

$$\{-a(n + 3) + 13 a(n + 1) + 12 a(n), a(0) = 1, a(1) = 0, a(2) = 13\}$$

Sequence: A249998
Score: 8.84861
Type of gen. func.: ogf

$$-(1765 f(x) + 432) (12 f(x) x^3 + 13 f(x) x^2 - f(x) + 1)$$

Sequence: A249999
Score: 12.2844
Type of gen. func.: lgdogf

$$-\frac{24 x^2 - 27 x + 7}{6 x^3 - 11 x^2 + 6 x - 1}$$

Sequence: A249999
Score: 16.1383
Type of gen. func.: ogf

$$\frac{1}{(2 x - 1) (3 x - 1) (x - 1)^{2}}$$

Sequence: A249999
Score: 4.05445
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (25 + 6 n) a(n + 3) + (-49 - 11 n) a(n + 2)$$
$$+ (30 + 6 n) a(n + 1), a(0) = 1, a(1) = 7, a(2) = 32, a(3) = 122\}$$

Sequence: A249999
Score: 6.28286
Type of gen. func.: ogf

$$(5465249 f(x) + 2106432)$$
$$(6 f(x) x^{4} - 17 f(x) x^{3} + 17 f(x) x^{2} - 7 f(x) x + f(x) - 1)$$

Sequence: A250015
Score: 10.1692
Type of gen. func.: lgdogf

$$- \frac{3 x^{2} + 24 x + 15}{x^{3} + 3 x^{2} - 3 x - 1}$$

Sequence: A250015
Score: 5.54685
Type of gen. func.: ogf

$$- \frac{20 (x^{2} + 4 x + 1)^{2}}{(x - 1)^{7}}$$

Sequence: A250016
Score: 4.39411
Type of gen. func.: ogf

$$\frac{20\,(x^2 + 4\,x + 1)\,(4\,x^3 + 23\,x^2 + 14\,x + 1)}{(x - 1)^8}$$

Sequence: A250017
Score: 3.82700
Type of gen. func.: ogf

$$- \frac{4\,(68\,x^6 + 903\,x^5 + 3441\,x^4 + 3974\,x^3 + 1506\,x^2 + 183\,x + 5)}{(x - 1)^9}$$

Sequence: A250024
Score: 16.0059
Type of gen. func.: lgdogf

$$- \frac{21\,x + 59}{21\,x^2 - 2\,x - 19}$$

Sequence: A250024
Score: 17.7087
Type of gen. func.: ogf

$$\frac{21\,x + 19}{(x - 1)^2}$$

Sequence: A250024
Score: 9.14624
Type of gen. func.: ogf

$$(80\,f(x) + 1961)\,(f(x)\,x^2 - 2\,f(x)\,x + f(x) - 21\,x - 19)$$

Sequence: A250024
Score: 9.90843
Type of gen. func.: ogf

{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 19, a(1) = 59}

Sequence: A250060
Score: 4.41618
Type of gen. func.: ogf

$$\frac{21 (x + 1) (x^4 + 26 x^3 + 66 x^2 + 26 x + 1)}{(x - 1)^8}$$

Sequence: A250061
Score: 3.86380
Type of gen. func.: ogf

$$- \frac{3 (27 x^6 + 890 x^5 + 3977 x^4 + 5492 x^3 + 2677 x^2 + 370 x + 7)}{(x - 1)^9}$$

Sequence: A250082
Score: 5.98087
Type of gen. func.: ogf

$$- \frac{x^5 - 6 x^4 + x^3 - 157 x^2 - 150 x - 49}{(x - 1)^6}$$

Sequence: A250083
Score: 5.07880
Type of gen. func.: ogf

$$- \frac{x^6 - 7 x^5 - 5 x^4 - 106 x^3 + 473 x^2 + 401 x + 83}{(x - 1)^7}$$

Sequence: A250084
Score: 3.96373
Type of gen. func.: ogf

$$-\frac{x^7 - 8x^6 + 18x^5 + 280x^4 + 593x^3 - 1680x^2 - 1076x - 144}{(x - 1)^8}$$

Sequence: A250085
Score: 3.50090
Type of gen. func.: ogf

$$-\frac{x^8 - 9x^7 + 52x^6 + 56x^5 - 2861x^4 - 2239x^3 + 6252x^2 + 2816x + 252}{(x - 1)^9}$$

Sequence: A250101
Score: 12.9744
Type of gen. func.: ogf

$$-\frac{2x(43x + 9)}{(6x - 1)(25x^2 + 6x + 1)}$$

Sequence: A250101
Score: 7.03288
Type of gen. func.: ogf

$$(3287912 f(x) - 62244613)(150 f(x) x^3 + 11 f(x) x^2 + 86 x^2 - f(x) + 18 x)$$

Sequence: A250101
Score: 7.67876
Type of gen. func.: lgdogf

$$-\frac{-12900x^3 - 4523x^2 - 198x - 43}{-6450x^4 - 1823x^3 - 99x^2 + 43x + 9}$$

Sequence: A250101
Score: 7.67876
Type of gen. func.: ogf

$$\{-a(n+3) + 11\,a(n+1) + 150\,a(n),\ a(0) = 0,\ a(1) = 18,\ a(2) = 86\}$$

Sequence: A250102
Score: 13.1921
Type of gen. func.: ogf

$$-\frac{16\,x\,(5\,x+1)}{(5\,x-1)\,(25\,x^{2}+6\,x+1)}$$

Sequence: A250102
Score: 6.99757
Type of gen. func.: ogf

$$\{-a(n+3) - a(n+2) + 5\,a(n+1) + 125\,a(n),\ a(0) = 0,\ a(1) = 16,\ a(2) = 64\}$$

Sequence: A250102
Score: 7.24972
Type of gen. func.: ogf

$$(f(x)+4)\,(125\,f(x)\,x^{3} + 5\,f(x)\,x^{2} - f(x)\,x + 80\,x^{2} - f(x) + 16\,x)$$

Sequence: A250102
Score: 9.81366
Type of gen. func.: lgdogf

$$-\frac{-1250\,x^{3} - 400\,x^{2} - 10\,x - 4}{-625\,x^{4} - 150\,x^{3} + 6\,x + 1}$$

Sequence: A250103
Score: 12.0627
Type of gen. func.: lgdogf

$$-\frac{-6\,x^{3} - 11\,x^{2} - 4\,x}{-3\,x^{4} - 5\,x^{3} - x^{2} + 2\,x + 1}$$

Sequence: A250103
Score: 17.5250
Type of gen. func.: ogf

$$-\frac{x+1}{3x^3+2x^2-x-1}$$

Sequence: A250103
Score: 8.36779
Type of gen. func.: ogf

$$\{-a(n+3)-a(n+2)+2\,a(n+1)+3\,a(n),\ a(0)=1,\ a(1)=0,\ a(2)=2\}$$

Sequence: A250103
Score: 8.76251
Type of gen. func.: ogf

$$(71\,f(x)-135)\,(3\,f(x)\,x^3+2\,f(x)\,x^2-f(x)\,x-f(x)+x+1)$$

Sequence: A250108
Score: 7.35779
Type of gen. func.: ogf

$$-\frac{2x^2\,(x^3+2x^2-x+2)}{(x+1)^2\,(x^2+1)\,(x-1)^3}$$

Sequence: A250109
Score: 4.36841
Type of gen. func.: ogf

$$-\frac{4\,(x^6+2x^4+2x^3+3x^2-2x+2)}{(x^2+1)^2\,(x+1)^3\,(x-1)^4}$$

Sequence: A250111
Score: 8.12026

Type of gen. func.: ogf

$$\frac{x^6 + x^5 + x^3 - 2 x^2 + 1}{(x^2 + x - 1) (x^4 + x^2 - 1)}$$

Sequence: A250120
Score: 7.52959
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^4 + 3 x^3 + 3 x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A250121
Score: 6.34375
Type of gen. func.: ogf

$$- \frac{(x^2 + x + 1) (x^4 + 3 x^3 + 3 x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A250122
Score: 5.64798
Type of gen. func.: ogf

$$- \frac{2 x^8 - 4 x^7 + 3 x^6 - 5 x^5 + x^4 - 3 x^3 - x^2 - x - 1}{(x - 1)^2 (x^2 + 1)^2}$$

Sequence: A250128
Score: 3.59308
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) - 3 a(n + 1) - 3 a(n), a(0) = 0, a(1) = 1, a(2) = 3}

Sequence: A250128
Score: 4.69215

Type of gen. func.: ogf

$$3 f(x) x^3 + 3 f(x) x^2 + 2 f(x) x + x^2 - f(x) + x$$

Sequence: A250128
Score: 6.99705
Type of gen. func.: ogf

$$- \frac{x (x + 1)}{3 x^3 + 3 x^2 + 2 x - 1}$$

Sequence: A250141
Score: 7.19101
Type of gen. func.: lgdogf

$$- \frac{-x^4 + 6 x^3 - 12 x^2 - 6 x - 67}{-x^5 + 6 x^4 - 14 x^3 + 12 x^2 - 17 x + 14}$$

Sequence: A250141
Score: 7.64045
Type of gen. func.: ogf

$$- \frac{x^4 - 5 x^3 + 9 x^2 - 3 x + 14}{(x - 1)^5}$$

Sequence: A250142
Score: 6.09871
Type of gen. func.: ogf

$$- \frac{x^5 - 6 x^4 + 15 x^3 - 20 x^2 - 18 x - 24}{(x - 1)^6}$$

Sequence: A250143
Score: 4.80268

Type of gen. func.: ogf

$$-\frac{x^6 - 7x^5 + 21x^4 - 35x^3 + 83x^2 + 104x + 41}{(x-1)^7}$$

Sequence: A250144
Score: 4.38938
Type of gen. func.: ogf

$$-\frac{x^7 - 8x^6 + 28x^5 - 48x^4 + 51x^3 - 400x^2 - 356x - 68}{(x-1)^8}$$

Sequence: A250145
Score: 3.68156
Type of gen. func.: ogf

$$-\frac{x^8 - 9x^7 + 36x^6 - 80x^5 + 68x^4 + 340x^3 + 1866x^2 + 1027x + 111}{(x-1)^9}$$

Sequence: A250146
Score: 5.25635
Type of gen. func.: ogf

$$-(x^9 - 10x^8 + 45x^7 - 120x^6 + 207x^5 - 574x^4 - 4831x^3 - 8032x^2 - 2730x - 180) / (x-1)^{10}$$

Sequence: A250155
Score: 4.59560
Type of gen. func.: ogf

$$-\frac{x^6 - 7x^5 + 41x^4 + 432x^3 + 1243x^2 + 703x + 107}{(x-1)^7}$$

Sequence: A250156
Score: 4.11533
Type of gen. func.: ogf

$$-\frac{x^7 - 8 x^6 + 68 x^5 + 339 x^4 - 1707 x^3 - 4514 x^2 - 1906 x - 193}{(x - 1)^8}$$

Sequence: A250157
Score: 3.32581
Type of gen. func.: ogf

$$-\frac{x^8 - 9 x^7 + 51 x^6 - 1117 x^5 - 4393 x^4 + 9231 x^3 + 17091 x^2 + 5191 x + 354}{(x - 1)^9}$$

Sequence: A250162
Score: 3.18115
Type of gen. func.: ogf

$$\{(-24 n - 64) a(n + 1) + (42 n + 88) a(n + 2) + (-21 n - 38) a(n + 3)$$

$$+ (3 n + 5) a(n + 4), a(0) = 4, a(1) = 20, a(2) = 96, a(3) = 436\}$$

Sequence: A250162
Score: 4.58265
Type of gen. func.: ogf

$$(260487 f(x) + 255568)$$

$$(8 f(x) x^4 - 22 f(x) x^3 + 21 f(x) x^2 - 8 f(x) x - 20 x^2 + f(x) + 12 x - 4)$$

Sequence: A250162
Score: 8.97695
Type of gen. func.: ogf

$$\frac{4 (5 x^2 - 3 x + 1)}{(4 x - 1) (2 x - 1) (x - 1)^2}$$

Sequence: A250163
Score: 3.70083
Type of gen. func.: ogf

$$\frac{44 x^7 + 52 x^6 - 311 x^5 + 599 x^4 - 502 x^3 + 208 x^2 - 47 x + 5}{(5 x - 1) (3 x - 1) (2 x - 1)^2 (x - 1)^4}$$

Sequence: A250168
Score: 7.06544
Type of gen. func.: ogf

$$- \frac{x^5 - 2 x^4 - 14 x^3 - 14 x^2 - 21 x - 8}{(x + 1)^2 (x - 1)^4}$$

Sequence: A250212
Score: 4.52821
Type of gen. func.: ogf

$$\frac{x^6 + 120 x^5 + 1191 x^4 + 2416 x^3 + 1191 x^2 + 120 x + 1}{(x - 1)^{10}}$$

Sequence: A250230
Score: 11.7047
Type of gen. func.: ogf

$$- \frac{x^3 - 2 x^2 + 11 x + 8}{(x + 1) (x - 1)^3}$$

Sequence: A250230
Score: 6.1144
Type of gen. func.: ogf

$-(52974 f(x) - 1059473)$

$$(f(x) x^4 - 2 f(x) x^3 + x^3 + 2 f(x) x - 2 x^2 - f(x) + 11 x + 8)$$

Sequence: A250230
Score: 8.03264
Type of gen. func.: lgdogf

$$- \frac{x^4 - 2 x^3 + 32 x^2 + 50 x + 27}{x^5 - 2 x^4 + 10 x^3 + 10 x^2 - 11 x - 8}$$

Sequence: A250256
Score: 10.5520
Type of gen. func.: ogf

$$\frac{10 x^3 - 8 x^2 + 5 x + 1}{(x - 1) (10 x^2 - 1)}$$

Sequence: A250256
Score: 5.62772
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 3) + 10 a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 6, a(2) = 8, a(3) = 68\}$$

Sequence: A250256
Score: 5.71235
Type of gen. func.: ogf

$$-(5293 + 21625 f(x))$$

$$(10 f(x) x^3 - 10 f(x) x^2 - 10 x^3 - f(x) x + 8 x^2 + f(x) - 5 x - 1)$$

Sequence: A250257
Score: 5.14564
Type of gen. func.: ogf

$$\{a(n + 5) - a(n + 4) - 10 a(n + 3) + 10 a(n + 2), a(0) = 1, a(1) = 0, a(2) = 8,$$

```
    a(3) = 48, a(4) = 88}
```

Sequence: A250257
Score: 5.52124
Type of gen. func.: ogf

```
(1085 f(x) + 7963)

              3        4             2       3               2
    (10 f(x) x  + 40 x  - 10 f(x) x  - 50 x  - f(x) x + 2 x  + f(x) + x - 1)
```

Sequence: A250257
Score: 9.33838
Type of gen. func.: ogf

```
                                  4       3      2
                              40 x  - 50 x  + 2 x  + x - 1
                            - ----------------------------
                                                2
                                  (x - 1) (10 x  - 1)
```

Sequence: A250258
Score: 5.14564
Type of gen. func.: ogf

```
{a(n + 5) - a(n + 4) - 10 a(n + 3) + 10 a(n + 2), a(0) = 1, a(1) = 0, a(2) = 8,

    a(3) = 68, a(4) = 88}
```

Sequence: A250258
Score: 5.32683
Type of gen. func.: ogf

```
(974221 f(x) + 9045263)

              3        4             2       3               2
    (10 f(x) x  + 60 x  - 10 f(x) x  - 70 x  - f(x) x + 2 x  + f(x) + x - 1)
```

Sequence: A250258
Score: 9.33838
Type of gen. func.: ogf

```
                                  4       3      2
                              60 x  - 70 x  + 2 x  + x - 1
                            - ----------------------------
                                                2
```

$$(x - 1) (10 x - 1)$$

Sequence: A250271
Score: 6.27925
Type of gen. func.: ogf

$$- \frac{24 x^5 - 60 x^4 + 24 x^3 + 21 x^2 - 16 x + 3}{(3 x - 1) (2 x - 1)^2 (x - 1)^2}$$

Sequence: A250303
Score: 8.43902
Type of gen. func.: ogf

$$\frac{x^2 (x^6 - 2 x^5 + x^4 - 2 x^3 + 2 x^2 + x + 1)}{(x - 1)^4 (x^2 + x + 1)^4}$$

Sequence: A250304
Score: 5.36785
Type of gen. func.: ogf

$$x^3 (x^{12} - 3 x^{11} + 3 x^{10} - x^9 - 3 x^8 + 6 x^7 - 4 x^5 + 3 x^4 - 3 x^3 - 3 x^2 - x - 1) \Big/ ((x - 1)^5 (x + 1)^5 (x^2 + 1)^5)$$

Sequence: A250307
Score: 7.87752
Type of gen. func.: ogf

$$-16 f(x)^2 x^2 + 11 f(x)^2 x - 2 f(x)^2 - 14 f(x) x + 5 f(x) - 3$$

Sequence: A250313
Score: 6.83496
Type of gen. func.: ogf

$$2 (2 x^5 - 6 x^4 - 6 x^3 + 8 x^2 - x - 1)$$

$$- \frac{\quad}{(2x-1)(x+1)^2(x-1)^3}$$

Sequence: A250321
Score: 5.64881
Type of gen. func.: ogf

$$- \frac{x^7 - 2x^6 - 2x^5 - 8x^4 - 6x^3 - 18x^2 - 9x - 8}{(x^2+x+1)^2 (x-1)^4}$$

Sequence: A250337
Score: 5.98087
Type of gen. func.: ogf

$$- \frac{x^5 - 6x^4 - 4x^3 - 142x^2 - 165x - 44}{(x-1)^6}$$

Sequence: A250338
Score: 5.05485
Type of gen. func.: ogf

$$- \frac{x^6 - 7x^5 - 20x^4 - 96x^3 + 343x^2 + 431x + 68}{(x-1)^7}$$

Sequence: A250339
Score: 3.96897
Type of gen. func.: ogf

$$- \frac{x^7 - 8x^6 + 9x^5 + 308x^4 + 635x^3 - 1152x^2 - 1125x - 108}{(x-1)^8}$$

Sequence: A250340
Score: 3.70401
Type of gen. func.: ogf

$$-\frac{x^8 - 9 x^7 + 65 x^6 + 227 x^5 - 2357 x^4 - 2703 x^3 + 4335 x^2 + 2861 x + 172}{(x - 1)^9}$$

Sequence: A250341
Score: 5.11580
Type of gen. func.: ogf

$$- (x^9 - 10 x^8 + 60 x^7 - 1086 x^6 - 3294 x^5 + 14650 x^4 + 9340 x^3 - 15794 x^2 - 7051 x - 272) / (x - 1)^{10}$$

Sequence: A250346
Score: 8.35710
Type of gen. func.: ogf

$$-\frac{x^5 - 5 x^3 - 2 x^2 + 4}{x^6 - 5 x^4 - 2 x^3 + 4 x - 1}$$

Sequence: A250352
Score: 10.4173
Type of gen. func.: ogf

$$-\frac{2 (x^3 - 3 x^2 + 3 x - 4)}{(x - 1)^4}$$

Sequence: A250352
Score: 5.27718
Type of gen. func.: ogf

$$\{(n + 5) a(n + 1) + (-2 n - 8) a(n + 2) + (n + 3) a(n + 3), a(0) = 8, a(1) = 26, a(2) = 62\}$$

Sequence: A250352
Score: 5.64881
Type of gen. func.: ogf

$$(181 f(x) + 1720)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 2 x^3 - 4 f(x) x - 6 x^2 + f(x) + 6 x - 8)$$

Sequence: A250352
Score: 9.90285
Type of gen. func.: lgdogf

$$-\frac{-x^3 + 3 x^2 - 3 x + 13}{-x^4 + 4 x^3 - 6 x^2 + 7 x - 4}$$

Sequence: A250353
Score: 6.85982
Type of gen. func.: ogf

$$-\frac{x^5 - 4 x^4 - 4 x^3 + 20 x^2 - 5 x + 16}{(x - 1)^5}$$

Sequence: A250354
Score: 5.22685
Type of gen. func.: ogf

$$-\frac{2 (3 x^7 - 16 x^6 + 33 x^5 - 18 x^4 + 2 x^3 - 36 x^2 - 12 x - 16)}{(x - 1)^6}$$

Sequence: A250355
Score: 3.98212
Type of gen. func.: ogf

$$- (58 x^9 - 336 x^8 + 783 x^7 - 847 x^6 + 168 x^5 + 204 x^4 + 113 x^3 + 339 x^2 + 174 x + 64) \Big/ (x - 1)^7$$

Sequence: A250357
Score: 7.15278
Type of gen. func.: ogf

$$-\frac{x^{7} - 11 x^{4} - 2 x^{3} + 5}{x^{8} - 11 x^{5} - 2 x^{4} + 5 x - 1}$$

Sequence: A250362
Score: 6.85982
Type of gen. func.: ogf

$$-\frac{x^{5} - 2 x^{4} - 2 x^{3} + 10 x^{2} + x + 16}{(x - 1)^{5}}$$

Sequence: A250363
Score: 5.29147
Type of gen. func.: ogf

$$-\frac{5 x^{7} - 22 x^{6} + 29 x^{5} - 8 x^{4} - 3 x^{3} - 38 x^{2} - 51 x - 32}{(x - 1)^{6}}$$

Sequence: A250364
Score: 4.07262
Type of gen. func.: ogf

$$-(42 x^{9} - 232 x^{8} + 482 x^{7} - 405 x^{6} + 57 x^{5} + 44 x^{4} + 98 x^{3} + 289 x^{2} + 281 x + 64) \Big/ (x - 1)^{7}$$

Sequence: A250374
Score: 4.92162
Type of gen. func.: ogf

6 5 4 3 2

$$-\frac{x - 7 x + 55 x + 404 x + 1243 x + 731 x + 93}{(x - 1)^{7}}$$

Sequence: A250375
Score: 4.07614
Type of gen. func.: ogf

$$-\frac{x^{7} - 8 x^{6} + 114 x^{5} + 417 x^{4} - 939 x^{3} - 4026 x^{2} - 1888 x - 151}{(x - 1)^{8}}$$

Sequence: A250376
Score: 3.32581
Type of gen. func.: ogf

$$-\frac{x^{8} - 9 x^{7} + 80 x^{6} - 1252 x^{5} - 5005 x^{4} + 3769 x^{3} + 14544 x^{2} + 4900 x + 252}{(x - 1)^{9}}$$

Sequence: A250381
Score: 4.08459
Type of gen. func.: ogf

$$-\frac{2 (12 x^{9} + 7 x^{8} + 4 x^{7} + 15 x^{6} - 71 x^{5} - 50 x^{4} + 7 x^{3} - 8 x^{2} + 18 x + 21)}{x^{10} + x^{7} - 7 x^{6} - x^{5} + 3 x^{4} - x^{3} + 2 x^{2} + x - 1}$$

Sequence: A250388
Score: 3.89228
Type of gen. func.: ogf

$$\{(-7 n^{2} - 61 n - 132) a(n + 1) + (-4 n^{2} - 99 n - 377) a(n + 2)$$

$$+ (11 n^{2} + 70 n + 111) a(n + 3), a(0) = 6, a(1) = 78, a(2) = 432\}$$

Sequence: A250388
Score: 7.35209

Type of gen. func.: ogf

$$\frac{6 (x + 1) (3 x^2 + 6 x + 1)}{(x - 1)^6}$$

Sequence: A250388
Score: 8.76936
Type of gen. func.: lgdogf

$$-\frac{9 x^3 + 45 x^2 + 53 x + 13}{3 x^4 + 6 x^3 - 2 x^2 - 6 x - 1}$$

Sequence: A250389
Score: 5.56592
Type of gen. func.: ogf

$$-\frac{2 (25 x^4 + 124 x^3 + 156 x^2 + 52 x + 3)}{(x - 1)^7}$$

Sequence: A250390
Score: 4.60039
Type of gen. func.: ogf

$$\frac{2 (70 x^5 + 547 x^4 + 1107 x^3 + 680 x^2 + 113 x + 3)}{(x - 1)^8}$$

Sequence: A250391
Score: 3.79439
Type of gen. func.: ogf

$$-\frac{2 (196 x^6 + 2335 x^5 + 7322 x^4 + 7539 x^3 + 2535 x^2 + 230 x + 3)}{(x - 1)^9}$$

Sequence: A250413
Score: 3.31843
Type of gen. func.: ogf

$$-(36x^9+36x^8-257x^7-40x^6+397x^5-84x^4-148x^3+49x^2+13x-5)\Big/\left((x-1)(3x-1)(2x+1)(2x-1)(x^3-x^2-2x+1)(x^3+3x^2-1)\right)$$

Sequence: A250420
Score: 8.37941
Type of gen. func.: ogf

$$-\frac{x^4-4x^3-5x^2-8x-10}{(x+1)(x-1)^4}$$

Sequence: A250421
Score: 4.14041
Type of gen. func.: ogf

$$-\frac{x^9+37x^7+44x^6+48x^5-36x^4-77x^3-96x^2-45x-20}{(x^2+x+1)^2(x-1)^6}$$

Sequence: A250426
Score: 3.49875
Type of gen. func.: ogf

$$-(6x^{11}-11x^{10}-26x^9+56x^8+40x^7-115x^6-20x^5+124x^4-36x^2+36x+36)\Big/\left((x+1)^5(x-1)^7\right)$$

Sequence: A250447
Score: 6.14874
Type of gen. func.: ogf

$$-\frac{108 x^4 + 66 x^3 - 170 x^2 - 47 x + 44}{(x - 1) (6 x^2 + 3 x - 1) (2 x^2 + 2 x - 1)}$$

Sequence: A250461
Score: 11.8026
Type of gen. func.: ogf

$$-\frac{8 x^2 + 2 x - 11}{(x - 1) (2 x^2 + 2 x - 1)}$$

Sequence: A250461
Score: 6.57049
Type of gen. func.: ogf

$$(41 f(x) - 370) (2 f(x) x^3 - 3 f(x) x + 8 x^2 + f(x) + 2 x - 11)$$

Sequence: A250461
Score: 6.57049
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 2 a(n), a(0) = 11, a(1) = 31, a(2) = 85\}$$

Sequence: A250462
Score: 6.63029
Type of gen. func.: ogf

$$-\frac{32 x^4 + 2 x^3 - 72 x^2 + 10 x + 31}{(4 x^3 + 8 x^2 + 2 x - 1) (x - 1)^2}$$

Sequence: A250512
Score: 3.95125
Type of gen. func.: ogf

$$2304 x^6 + 2064 x^5 - 3492 x^4 - 2162 x^3 + 1094 x^2 + 311 x - 120$$

$$-\frac{}{(x-1)(6x-1)(2x+1)(6x^2+3x-1)(2x^2+2x-1)}$$

Sequence: A250522
Score: 3.08929
Type of gen. func.: ogf

$$-(1944x^8-13260x^7+39534x^6-66849x^5+72501x^4-52780x^3+25244x^2-7109x+867)\Big/\left((3x-1)(2x-1)^3(x-1)^5\right)$$

Sequence: A250525
Score: 3.39359
Type of gen. func.: ogf

$$-(52488x^8-358644x^7+1091250x^6-1635631x^5+1762541x^4-1507547x^3+869263x^2-276084x+35064)\Big/\left((3x-1)(2x-1)^3(x-1)^5\right)$$

Sequence: A250526
Score: 3.43247
Type of gen. func.: ogf

$$-(157464x^8-1075980x^7+3312070x^6-4657625x^5+4981875x^4-4555432x^3+2762712x^2-890301x+112373)\Big/\left((3x-1)(2x-1)^3(x-1)^5\right)$$

Sequence: A250554
Score: 11.7656
Type of gen. func.: ogf

$$-\frac{2(2x^2-2x-1)}{(x-1)(2x-1)(x+1)}$$

Sequence: A250554

Score: 6.08223
Type of gen. func.: ogf

$$-(69 f(x) + 292) (2 f(x) x^3 - f(x) x^2 - 2 f(x) x + 4 x^2 + f(x) - 4 x - 2)$$

Sequence: A250554
Score: 6.35136
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - a(n + 1) + 2 a(n), a(0) = 2, a(1) = 8, a(2) = 14\}$$

Sequence: A250554
Score: 8.54410
Type of gen. func.: lgdogf

$$-\frac{-4 x^4 + 8 x^3 + 2 x - 4}{-4 x^5 + 6 x^4 + 4 x^3 - 7 x^2 + 1}$$

Sequence: A250576
Score: 4.65167
Type of gen. func.: ogf

$$-(5789 f(x) + 13710)$$

$$(f(x) x^4 - 2 f(x) x^3 - f(x) x^2 + 4 x^3 + 3 f(x) x - 7 x^2 - f(x) - 6 x + 10)$$

Sequence: A250576
Score: 8.88587
Type of gen. func.: ogf

$$-\frac{4 x^3 - 7 x^2 - 6 x + 10}{(x - 1) (x^3 - x^2 - 2 x + 1)}$$

Sequence: A250577
Score: 7.02889
Type of gen. func.: ogf

$$-\frac{24 x^4 - 61 x^3 + 26 x^2 + 36 x - 24}{(3 x^2 + x - 1) (x - 1)^3}$$

Sequence: A250578
Score: 4.35824
Type of gen. func.: ogf

$$-\frac{17 x^7 - 68 x^6 + 10 x^5 + 256 x^4 - 335 x^3 + 44 x^2 + 133 x - 55}{(x^5 - x^4 - 5 x^3 + 3 x^2 + 2 x - 1) (x - 1)^3}$$

Sequence: A250579
Score: 3.45732
Type of gen. func.: ogf

$$- (8 x^9 + 106 x^8 - 642 x^7 + 1032 x^6 + 23 x^5 - 1560 x^4 + 1273 x^3 + 54 x^2 - 421 x + 125) \Big/ ((4 x^5 - 3 x^4 - 7 x^3 + 4 x^2 + 2 x - 1) (x - 1)^4)$$

Sequence: A250585
Score: 3.65470
Type of gen. func.: ogf

$$-\frac{9 x^8 - 26 x^7 - 30 x^6 + 132 x^5 - 12 x^4 - 190 x^3 + 83 x^2 + 73 x - 40}{(x - 1) (x^3 - x^2 - 2 x + 1) (x^5 - x^4 - 4 x^3 + 3 x^2 + 3 x - 1)}$$

Sequence: A250605
Score: 4.37081
Type of gen. func.: ogf

$$-(18143 f(x) + 604608) (2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 + 16 x^3 - 5 f(x) x - 54 x^2 + f(x) + 66 x - 26)$$

Sequence: A250605
Score: 8.30993
Type of gen. func.: ogf

$$-\frac{2\,(8\,x^3-27\,x^2+33\,x-13)}{(x-1)^3\,(2\,x-1)}$$

Sequence: A250606
Score: 4.04859
Type of gen. func.: ogf

$$-(29245175\,f(x)+742708556)\,(2\,f(x)\,x^4-7\,f(x)\,x^3+9\,f(x)\,x^2+32\,x^3-5\,f(x)\,x-110\,x^2+f(x)+145\,x-57)$$

Sequence: A250606
Score: 7.90207
Type of gen. func.: ogf

$$-\frac{32\,x^3-110\,x^2+145\,x-57}{(x-1)^3\,(2\,x-1)}$$

Sequence: A250607
Score: 4.09483
Type of gen. func.: ogf

$$-(239715712\,f(x)+7876721597)\,(2\,f(x)\,x^4-7\,f(x)\,x^3+9\,f(x)\,x^2+64\,x^3-5\,f(x)\,x-222\,x^2+f(x)+310\,x-120)$$

Sequence: A250607
Score: 8.04342
Type of gen. func.: ogf

$$-\frac{2\,(32\,x^3-111\,x^2+155\,x-60)}{(x-1)^3\,(2\,x-1)}$$

Sequence: A250608
Score: 3.90972
Type of gen. func.: ogf

$$-(66309740 f(x) + 4138592861) (2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 + 128 x^3 - 5 f(x) x - 446 x^2 + f(x) + 649 x - 247)$$

Sequence: A250608
Score: 7.58946
Type of gen. func.: ogf

$$-\frac{128 x^3 - 446 x^2 + 649 x - 247}{(x - 1)^3 (2 x - 1)}$$

Sequence: A250609
Score: 3.80111
Type of gen. func.: ogf

$$-(183128153373 f(x) + 31967418542320) (2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 + 256 x^3 - 5 f(x) x - 894 x^2 + f(x) + 1338 x - 502)$$

Sequence: A250609
Score: 7.69063
Type of gen. func.: ogf

$$-\frac{2 (128 x^3 - 447 x^2 + 669 x - 251)}{(x - 1)^3 (2 x - 1)}$$

Sequence: A250610
Score: 3.64555
Type of gen. func.: ogf

$$-(1770217569246519 f(x) + 1187002131906458380) (2 f(x) x^4 - 7 f(x) x^3$$

$$+ 9 f(x) x^2 + 512 x^3 - 5 f(x) x - 1790 x^2 + f(x) + 2729 x - 1013)$$

Sequence: A250610
Score: 7.66394
Type of gen. func.: ogf

$$- \frac{512 x^3 - 1790 x^2 + 2729 x - 1013}{(x - 1)^3 (2 x - 1)}$$

Sequence: A250625
Score: 3.85116
Type of gen. func.: ogf

$$- \frac{9 x^8 - 8 x^7 - 55 x^6 + 57 x^5 + 97 x^4 - 131 x^3 - 26 x^2 + 91 x - 36}{(x^3 - x^2 - 2 x + 1) (x - 1)^2 (x^2 + x - 1)}$$

Sequence: A250633
Score: 4.11456
Type of gen. func.: ogf

$$- \frac{9 x^7 - 17 x^6 - 46 x^5 + 83 x^4 + 70 x^3 - 113 x^2 - 26 x + 36}{(x^3 - x^2 - 2 x + 1) (x^5 - x^4 - 4 x^3 + 3 x^2 + 3 x - 1)}$$

Sequence: A250640
Score: 3.26790
Type of gen. func.: ogf

$$- (36 x^9 - 192 x^8 + 239 x^7 + 201 x^6 - 541 x^5 + 242 x^4 + 80 x^3 - 76 x^2 + 11 x + 1) / ((x - 1) (3 x - 1) (2 x + 1) (2 x - 1) (x^3 - 3 x^2 + 1) (x^3 - x^2 - 2 x + 1))$$

Sequence: A250647
Score: 6.74681
Type of gen. func.: ogf

$$-\frac{x^6 - x^5 + 6x^3 - 3x^2 - 17x - 6}{(x+1)^3 (x-1)^4}$$

Sequence: A250652
Score: 6.48362
Type of gen. func.: ogf

$$-\frac{16x^4 - 48x^3 + 62x^2 - 38x + 9}{(x-1)^2 (2x-1)^3}$$

Sequence: A250653
Score: 13.7444
Type of gen. func.: ogf

$$-\frac{44x - 49}{(2x-1)(x-1)}$$

Sequence: A250653
Score: 7.02157
Type of gen. func.: ogf

$$(113 f(x) + 5072) (2 f(x) x^2 - 3 f(x) x + f(x) + 44 x - 49)$$

Sequence: A250653
Score: 7.59982
Type of gen. func.: ogf

$$\{-a(n+2) + 3 a(n+1) - 2 a(n), a(0) = 49, a(1) = 103\}$$

Sequence: A250653
Score: 8.61313
Type of gen. func.: lgdogf

$$-\frac{-88 x^2 + 196 x - 103}{-88 x^3 + 230 x^2 - 191 x + 49}$$

Sequence: A250654
Score: 13.9547
Type of gen. func.: ogf

$$-\frac{2 (29 x - 32)}{(2 x - 1) (x - 1)}$$

Sequence: A250654
Score: 7.20738
Type of gen. func.: ogf

$$(73 f(x) + 4306) (2 f(x) x^2 - 3 f(x) x + f(x) + 58 x - 64)$$

Sequence: A250654
Score: 7.71614
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 64, a(1) = 134\}$$

Sequence: A250654
Score: 8.86314
Type of gen. func.: lgdogf

$$-\frac{-58 x^2 + 128 x - 67}{-58 x^3 + 151 x^2 - 125 x + 32}$$

Sequence: A250655
Score: 14.0950
Type of gen. func.: ogf

$$-\frac{74 x - 81}{(2 x - 1) (x - 1)}$$

Sequence: A250655
Score: 7.12326
Type of gen. func.: ogf

$$(183 f(x) + 13738) (2 f(x) x^2 - 3 f(x) x + f(x) + 74 x - 81)$$

Sequence: A250655
Score: 7.79369
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 81, a(1) = 169\}$$

Sequence: A250655
Score: 8.60343
Type of gen. func.: lgdogf

$$-\frac{-148 x^2 + 324 x - 169}{-148 x^3 + 384 x^2 - 317 x + 81}$$

Sequence: A250657
Score: 11.4200
Type of gen. func.: lgdogf

$$-\frac{-16 x^2 + 62 x - 70}{-16 x^3 + 63 x^2 - 86 x + 39}$$

Sequence: A250657
Score: 12.6690
Type of gen. func.: ogf

$$-\frac{16 x^2 - 47 x + 39}{(x - 1)^3}$$

Sequence: A250657
Score: 6.48655
Type of gen. func.: ogf

$$(220352 f(x) - 2634567)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 16 x^2 - f(x) - 47 x + 39)$$

Sequence: A250657
Score: 6.98982
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 39, a(1) = 70, a(2) = 109\}$$

Sequence: A250658
Score: 10.6648
Type of gen. func.: lgdogf

$$- \frac{-32 x^2 + 126 x - 142}{-32 x^3 + 127 x^2 - 174 x + 79}$$

Sequence: A250658
Score: 12.4978
Type of gen. func.: ogf

$$- \frac{32 x^2 - 95 x + 79}{(x - 1)^3}$$

Sequence: A250658
Score: 6.24892
Type of gen. func.: ogf

$$(3629824 f(x) - 106464271)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 32 x^2 - f(x) - 95 x + 79)$$

Sequence: A250658

Score: 6.83642
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 79, a(1) = 142, a(2) = 221\}$

Sequence: A250659
Score: 10.4842
Type of gen. func.: lgdogf

$$- \frac{-64 x^2 + 254 x - 286}{-64 x^3 + 255 x^2 - 350 x + 159}$$

Sequence: A250659
Score: 12.0727
Type of gen. func.: ogf

$$- \frac{64 x^2 - 191 x + 159}{(x - 1)^3}$$

Sequence: A250659
Score: 6.03635
Type of gen. func.: ogf

$(58919936 f(x) - 3790458399)$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 64 x^2 - f(x) - 191 x + 159)$$

Sequence: A250659
Score: 6.75253
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 159, a(1) = 286, a(2) = 445\}$

Sequence: A250660
Score: 10.2862
Type of gen. func.: lgdogf

^{2}

$$-\frac{-128 x + 510 x - 574}{-128 x^3 + 511 x^2 - 702 x + 319}$$

Sequence: A250660
Score: 11.9749
Type of gen. func.: ogf

$$-\frac{128 x^2 - 383 x + 319}{(x - 1)^3}$$

Sequence: A250660
Score: 5.89941
Type of gen. func.: ogf

$(949497856 f(x) - 127673906239)$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 128 x^2 - f(x) - 383 x + 319)$$

Sequence: A250660
Score: 6.79932
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 319, a(1) = 574, a(2) = 893\}$

Sequence: A250661
Score: 11.5334
Type of gen. func.: ogf

$$-\frac{256 x^2 - 767 x + 639}{(x - 1)^3}$$

Sequence: A250661
Score: 5.55925
Type of gen. func.: ogf

$(15246344192 f(x) - 4189602498687)$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 256 x^2 - f(x) - 767 x + 639)$$

Sequence: A250661
Score: 6.43948
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 639, a(1) = 1150, a(2) = 1789\}$$

Sequence: A250661
Score: 9.42362
Type of gen. func.: lgdogf

$$-\frac{-256 x^2 + 1022 x - 1150}{-256 x^3 + 1023 x^2 - 1406 x + 639}$$

Sequence: A250677
Score: 3.72835
Type of gen. func.: ogf

$$-\frac{2304 x^6 + 3792 x^5 - 1516 x^4 - 2514 x^3 + 579 x^2 + 371 x - 104}{(4 x - 1) (9 x^2 + 3 x - 1) (4 x^2 + 2 x - 1) (x^2 + x - 1)}$$

Sequence: A250692
Score: 3.61360
Type of gen. func.: ogf

$$-\frac{2304 x^6 - 8880 x^5 + 13756 x^4 - 11052 x^3 + 4877 x^2 - 1121 x + 104}{(4 x - 1) (x - 1)^2 (3 x - 1)^2 (2 x - 1)^2}$$

Sequence: A250723
Score: 7.29256
Type of gen. func.: ogf

5 4 3 2

$$-\frac{8 x - 31 x + 34 x + 11 x - 42 x + 22}{(x + 1) (x - 1)^{5}}$$

Sequence: A250724
Score: 7.03307
Type of gen. func.: ogf

$$-\frac{17 x^{5} - 70 x^{4} + 83 x^{3} + 18 x^{2} - 90 x + 50}{(x + 1) (x - 1)^{5}}$$

Sequence: A250725
Score: 4.95738
Type of gen. func.: ogf

$$-\frac{x^{7} + 25 x^{6} - 160 x^{5} + 316 x^{4} - 148 x^{3} - 237 x^{2} + 313 x - 114}{(x + 1) (x - 1)^{6}}$$

Sequence: A250726
Score: 4.37248
Type of gen. func.: ogf

$$- (x^{9} - 12 x^{8} + 93 x^{7} - 440 x^{6} + 1060 x^{5} - 1079 x^{4} - 110 x^{3} + 1180 x^{2} - 946 x + 257) \Big/ ((x + 1) (x - 1)^{7})$$

Sequence: A250730
Score: 4.80024
Type of gen. func.: ogf

$(2588 f(x) + 6205)$

$$(f(x) x^{4} - 2 f(x) x^{3} - f(x) x^{2} + 4 x^{3} + 3 f(x) x - 7 x^{2} - f(x) - 5 x + 9)$$

Sequence: A250730
Score: 8.91471

Type of gen. func.: ogf

$$-\frac{4x^3 - 7x^2 - 5x + 9}{(x-1)(x^3 - x^2 - 2x + 1)}$$

Sequence: A250731
Score: 4.94376
Type of gen. func.: ogf

{-a(n + 4) + 2 a(n + 3) + 2 a(n + 2) - 3 a(n + 1), a(0) = 18, a(1) = 46,

a(2) = 110, a(3) = 257}

Sequence: A250731
Score: 5.20793
Type of gen. func.: ogf

(64407 f(x) - 380509)

$$(3 f(x) x^3 - 2 f(x) x^2 + x^3 - 2 f(x) x + 18 x^2 + f(x) - 10 x - 18)$$

Sequence: A250731
Score: 9.47554
Type of gen. func.: ogf

$$-\frac{x^3 + 18x^2 - 10x - 18}{(x-1)(3x^2 + x - 1)}$$

Sequence: A250732
Score: 4.63476
Type of gen. func.: ogf

$$\frac{2x^7 - 14x^6 + 23x^5 + 41x^4 - 131x^3 + 66x^2 + 47x - 33}{(x^5 - x^4 - 5x^3 + 3x^2 + 2x - 1)(x-1)^2}$$

Sequence: A250733

Score: 4.36502
Type of gen. func.: ogf

$$\frac{8x^8+22x^7-149x^6+183x^5+81x^4-323x^3+153x^2+88x-58}{(4x^5-3x^4-7x^3+4x^2+2x-1)(x-1)^2}$$

Sequence: A250734
Score: 3.31742
Type of gen. func.: ogf

$$(3x^{11}+3x^{10}-17x^9-119x^8+48x^7+648x^6-804x^5-168x^4+783x^3-320x^2-166x+99) \Big/ ((x^6-9x^4-3x^3+6x^2+x-1)(x-1)^3)$$

Sequence: A250737
Score: 10.3510
Type of gen. func.: lgdogf

$$-\frac{-32x^2+36x-11}{-32x^3+66x^2-43x+9}$$

Sequence: A250737
Score: 15.4164
Type of gen. func.: ogf

$$-\frac{2(16x-9)}{(2x-1)(x-1)}$$

Sequence: A250737
Score: 8.14125
Type of gen. func.: ogf

$$(3f(x)-296)(2f(x)x^2-3f(x)x+f(x)+32x-18)$$

Sequence: A250737

Score: 8.62586
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 18, a(1) = 22\}$$

Sequence: A250738
Score: 10.0635
Type of gen. func.: lgdogf

$$-\frac{-64 x^2 + 68 x - 19}{-64 x^3 + 130 x^2 - 83 x + 17}$$

Sequence: A250738
Score: 15.4164
Type of gen. func.: ogf

$$-\frac{2 (32 x - 17)}{(2 x - 1) (x - 1)}$$

Sequence: A250738
Score: 7.96232
Type of gen. func.: ogf

$$(11 f(x) - 1096) (2 f(x) x^2 - 3 f(x) x + f(x) + 64 x - 34)$$

Sequence: A250738
Score: 8.62586
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 34, a(1) = 38\}$$

Sequence: A250739
Score: 15.1668
Type of gen. func.: ogf

$$-\frac{2 (64 x - 33)}{(2 x - 1) (x - 1)}$$

Sequence: A250739
Score: 7.9131
Type of gen. func.: ogf

$$(27 f(x) - 4232) (2 f(x) x^2 - 3 f(x) x + f(x) + 128 x - 66)$$

Sequence: A250739
Score: 8.66674
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 66, a(1) = 70\}$$

Sequence: A250739
Score: 9.57903
Type of gen. func.: lgdogf

$$- \frac{-128 x^2 + 132 x - 35}{-128 x^3 + 258 x^2 - 163 x + 33}$$

Sequence: A250740
Score: 15.1376
Type of gen. func.: ogf

$$- \frac{2 (128 x - 65)}{(2 x - 1) (x - 1)}$$

Sequence: A250740
Score: 7.89086
Type of gen. func.: ogf

$$(59 f(x) - 16648) (2 f(x) x^2 - 3 f(x) x + f(x) + 256 x - 130)$$

Sequence: A250740
Score: 8.62491
Type of gen. func.: ogf

$\{a(n+2) - 3 a(n+1) + 2 a(n), a(0) = 130, a(1) = 134\}$

Sequence: A250740
Score: 9.75976
Type of gen. func.: lgdogf

$$-\frac{-256 x^2 + 260 x - 67}{-256 x^3 + 514 x^2 - 323 x + 65}$$

Sequence: A250741
Score: 15.1376
Type of gen. func.: ogf

$$-\frac{2 (256 x - 129)}{(2 x - 1) (x - 1)}$$

Sequence: A250741
Score: 7.8078
Type of gen. func.: ogf

$$(123 f(x) - 66056) (2 f(x) x^2 - 3 f(x) x + f(x) + 512 x - 258)$$

Sequence: A250741
Score: 8.62491
Type of gen. func.: ogf

$\{a(n+2) - 3 a(n+1) + 2 a(n), a(0) = 258, a(1) = 262\}$

Sequence: A250741
Score: 9.38914
Type of gen. func.: lgdogf

$$-\frac{-512 x^2 + 516 x - 131}{-512 x^3 + 1026 x^2 - 643 x + 129}$$

Sequence: A250748
Score: 3.27467
Type of gen. func.: ogf

$$-(648 x^8 - 2916 x^7 + 6642 x^6 - 9099 x^5 + 7887 x^4 - 4434 x^3 + 1599 x^2 - 339 x + 32) / ((2 x - 1)^3 (3 x - 1)^3 (x - 1)^3)$$

Sequence: A250749
Score: 4.85882
Type of gen. func.: ogf

$$(4536695 f(x) + 122642334)$$

$$(6 f(x) x^3 - 11 f(x) x^2 + 6 f(x) x + 126 x^2 - f(x) - 195 x + 72)$$

Sequence: A250749
Score: 5.39410
Type of gen. func.: ogf

$\{a(n + 3) - 6 a(n + 2) + 11 a(n + 1) - 6 a(n), a(0) = 72, a(1) = 237,$

$a(2) = 756\}$

Sequence: A250749
Score: 9.50006
Type of gen. func.: ogf

$$-\frac{3 (42 x^2 - 65 x + 24)}{(2 x - 1) (3 x - 1) (x - 1)}$$

Sequence: A250750
Score: 5.06503
Type of gen. func.: ogf

$$(906599 f(x) + 43385958)$$

$$(6 f(x) x^3 - 11 f(x) x^2 + 6 f(x) x + 234 x^2 - f(x) - 351 x + 129)$$

Sequence: A250750
Score: 5.48711
Type of gen. func.: ogf

$\{a(n+3) - 6\,a(n+2) + 11\,a(n+1) - 6\,a(n),\ a(0) = 129,\ a(1) = 423,$

$a(2) = 1353\}$

Sequence: A250750
Score: 9.68313
Type of gen. func.: ogf

$$-\frac{3\,(78\,x^2 - 117\,x + 43)}{(2\,x - 1)\,(3\,x - 1)\,(x - 1)}$$

Sequence: A250751
Score: 4.6135
Type of gen. func.: ogf

$(19891799\,f(x) + 1431405198)$

$(6\,f(x)\,x^3 - 11\,f(x)\,x^2 + 6\,f(x)\,x + 378\,x^2 - f(x) - 555\,x + 203)$

Sequence: A250751
Score: 5.15173
Type of gen. func.: ogf

$\{a(n+3) - 6\,a(n+2) + 11\,a(n+1) - 6\,a(n),\ a(0) = 203,\ a(1) = 663,$

$a(2) = 2123\}$

Sequence: A250751
Score: 9.09129
Type of gen. func.: ogf

$$-\frac{(42\,x - 29)\,(9\,x - 7)}{(2\,x - 1)\,(3\,x - 1)\,(x - 1)}$$

Sequence: A250752
Score: 4.70681
Type of gen. func.: ogf

```
(8109599 f(x) + 804008934)

             3            2                    2
    (6 f(x) x  - 11 f(x) x  + 6 f(x) x + 558 x  - f(x) - 807 x + 294)
```

Sequence: A250752
Score: 5.17749
Type of gen. func.: ogf

```
{a(n + 3) - 6 a(n + 2) + 11 a(n + 1) - 6 a(n), a(0) = 294, a(1) = 957,

    a(2) = 3066}
```

Sequence: A250752
Score: 9.13675
Type of gen. func.: ogf

```
                                       2
                               3 (186 x  - 269 x + 98)
                           - ----------------------------
                             (2 x - 1) (3 x - 1) (x - 1)
```

Sequence: A250753
Score: 4.64784
Type of gen. func.: ogf

```
(134505599 f(x) + 17390408814)

             3            2                    2
    (6 f(x) x  - 11 f(x) x  + 6 f(x) x + 774 x  - f(x) - 1107 x + 402)
```

Sequence: A250753
Score: 5.26243
Type of gen. func.: ogf

```
{a(n + 3) - 6 a(n + 2) + 11 a(n + 1) - 6 a(n), a(0) = 402, a(1) = 1305,

    a(2) = 4182}
```

Sequence: A250753
Score: 9.22832
Type of gen. func.: ogf

```
                                      2
```

$$-\frac{3\,(258\,x\ \ - 369\,x + 134)}{(2\,x - 1)\,(3\,x - 1)\,(x - 1)}$$

Sequence: A250754
Score: 4.30204
Type of gen. func.: ogf

$$(513685895\,f(x) + 83389730454)$$

$$(6\,f(x)\,x^3 - 11\,f(x)\,x^2 + 6\,f(x)\,x + 1026\,x^2 - f(x) - 1455\,x + 527)$$

Sequence: A250754
Score: 4.90645
Type of gen. func.: ogf

{a(n + 3) - 6 a(n + 2) + 11 a(n + 1) - 6 a(n), a(0) = 527, a(1) = 1707,

a(2) = 5471}

Sequence: A250754
Score: 8.48116
Type of gen. func.: ogf

$$-\frac{1026\,x^2 - 1455\,x + 527}{(2\,x - 1)\,(3\,x - 1)\,(x - 1)}$$

Sequence: A250756
Score: 11.4297
Type of gen. func.: lgdogf

$$-\frac{-9\,x^2 + 30\,x - 72}{-9\,x^3 + 33\,x^2 - 56\,x + 32}$$

Sequence: A250756
Score: 12.5182
Type of gen. func.: ogf

$$9\,x^2 - 24\,x + 32$$

$$-\frac{}{(x - 1)^{3}}$$

Sequence: A250756
Score: 6.36007
Type of gen. func.: ogf

$$(234379 f(x) - 2075153)$$

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 9 x^{2} - f(x) - 24 x + 32)$$

Sequence: A250756
Score: 6.79869
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 32, a(1) = 72, a(2) = 129\}$$

Sequence: A250757
Score: 11.3623
Type of gen. func.: lgdogf

$$-\frac{-9 x^{2} + 34 x - 79}{-9 x^{3} + 35 x^{2} - 61 x + 35}$$

Sequence: A250757
Score: 12.0616
Type of gen. func.: ogf

$$-\frac{3 (9 x^{2} - 26 x + 35)}{(x - 1)^{3}}$$

Sequence: A250757
Score: 6.22224
Type of gen. func.: ogf

$$(117288 f(x) - 4394089)$$

$${}^{3} \qquad {}^{2} \qquad\qquad {}^{2}$$

```
    (f(x) x  - 3 f(x) x  + 3 f(x) x + 27 x  - f(x) - 78 x + 105)



--------------------------------------------------------------------------------

Sequence:  A250757
Score: 6.64408
Type of gen. func.: ogf


{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 105, a(1) = 237, a(2) = 423}



--------------------------------------------------------------------------------

Sequence:  A250758
Score: 11.4564
Type of gen. func.: ogf


                                        2
                                    81 x  - 240 x + 332
                                  - -------------------
                                                3
                                         (x - 1)



--------------------------------------------------------------------------------

Sequence:  A250758
Score: 5.64271
Type of gen. func.: ogf


(298422059 f(x) - 39286182553)

            3            2                   2
    (f(x) x  - 3 f(x) x  + 3 f(x) x + 81 x  - f(x) - 240 x + 332)



--------------------------------------------------------------------------------

Sequence:  A250758
Score: 6.35397
Type of gen. func.: ogf


{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 332, a(1) = 756, a(2) = 1353

    }



--------------------------------------------------------------------------------

Sequence:  A250758
Score: 9.94899
Type of gen. func.: lgdogf


                                        2
                                   -81 x  + 318 x - 756
                             - ------------------------------
                                    3         2
                               -81 x  + 321 x  - 572 x + 332
```

Sequence: A250759
Score: 10.8495
Type of gen. func.: ogf

$$-\frac{3\,(81\,x^2 - 242\,x + 343)}{(x-1)^3}$$

Sequence: A250759
Score: 5.30765
Type of gen. func.: ogf

$$(3681566980\,f(x) - 1580477616873)$$

$$(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 243\,x^2 - f(x) - 726\,x + 1029)$$

Sequence: A250759
Score: 6.09722
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 1029,\ a(1) = 2361,\ a(2) = 4239\}$$

Sequence: A250759
Score: 9.70742
Type of gen. func.: lgdogf

$$-\frac{-81\,x^2 + 322\,x - 787}{-81\,x^3 + 323\,x^2 - 585\,x + 343}$$

Sequence: A250760
Score: 10.4015
Type of gen. func.: ogf

$$-\frac{729\,x^2 - 2184\,x + 3152}{(x-1)^3}$$

Sequence: A250760
Score: 4.84935
Type of gen. func.: ogf

$$(24584385149099 f(x) - 33247302436472353)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 729 x^2 - f(x) - 2184 x + 3152)$$

Sequence: A250760
Score: 5.88282
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3152, a(1) = 7272,$$

$$a(2) = 13089\}$$

Sequence: A250760
Score: 8.64704
Type of gen. func.: lgdogf

$$- \frac{-729 x^2 + 2910 x - 7272}{-729 x^3 + 2913 x^2 - 5336 x + 3152}$$

Sequence: A250761
Score: 10.1500
Type of gen. func.: ogf

$$- \frac{3 (729 x^2 - 2186 x + 3195)}{(x - 1)^3}$$

Sequence: A250761
Score: 4.73666
Type of gen. func.: ogf

$$(30283152275024 f(x) - 126649006533640647)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 2187 x^2 - f(x) - 6558 x + 9585)$$

Sequence: A250761
Score: 5.77642
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 9585, a(1) = 22197, a(2) = 40023\}$$

Sequence: A250761
Score: 8.56024
Type of gen. func.: lgdogf

$$-\frac{-729 x^2 + 2914 x - 7399}{-729 x^3 + 2915 x^2 - 5381 x + 3195}$$

Sequence: A250762
Score: 4.47765
Type of gen. func.: ogf

$$(187587680747783251 f(x) - 2399796465085195866497) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 6561 x^2 - f(x) - 19680 x + 29012)$$

Sequence: A250762
Score: 5.73138
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 29012, a(1) = 67356, a(2) = 121593\}$$

Sequence: A250762
Score: 7.96026
Type of gen. func.: lgdogf

$$-\frac{-6561 x^2 + 26238 x - 67356}{-6561 x^3 + 26241 x^2 - 48692 x + 29012}$$

Sequence: A250762
Score: 9.95032
Type of gen. func.: ogf

$$-\frac{6561 x^2 - 19680 x + 29012}{(x - 1)^3}$$

Sequence: A250764
Score: 10.3611
Type of gen. func.: ogf

$$-\frac{41 x^2 - 78 x + 35}{(2 x - 1) (x - 1)^2}$$

Sequence: A250764
Score: 5.43532
Type of gen. func.: ogf

$$(2813 f(x) + 110138)$$

$$(2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x + 41 x^2 - f(x) - 78 x + 35)$$

Sequence: A250764
Score: 5.71645
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 35, a(1) = 62, a(2) = 114\}$$

Sequence: A250764
Score: 7.05434
Type of gen. func.: lgdogf

$$-\frac{82 x^3 - 230 x^2 + 206 x - 62}{82 x^4 - 279 x^3 + 345 x^2 - 183 x + 35}$$

Sequence: A250765
Score: 10.4067
Type of gen. func.: ogf

$$-\frac{2\,(40\,x^2 - 79\,x + 34)}{(2\,x - 1)\,(x - 1)^2}$$

Sequence: A250765
Score: 5.36855
Type of gen. func.: ogf

$$(175585\,f(x) + 9805272)$$

$$(2\,f(x)\,x^3 - 5\,f(x)\,x^2 + 4\,f(x)\,x + 80\,x^2 - f(x) - 158\,x + 68)$$

Sequence: A250765
Score: 5.78151
Type of gen. func.: ogf

$$\{a(n + 3) - 4\,a(n + 2) + 5\,a(n + 1) - 2\,a(n),\ a(0) = 68,\ a(1) = 114,\ a(2) = 196$$

$$\}$$

Sequence: A250765
Score: 7.19614
Type of gen. func.: lgdogf

$$-\frac{-80\,x^3 + 236\,x^2 - 203\,x + 57}{-80\,x^4 + 278\,x^3 - 345\,x^2 + 181\,x - 34}$$

Sequence: A250766
Score: 5.03318
Type of gen. func.: ogf

$$(167364\,f(x) + 11502049)$$

$$(2\,f(x)\,x^3 - 5\,f(x)\,x^2 + 4\,f(x)\,x + 153\,x^2 - f(x) - 318\,x + 133)$$

Sequence: A250766
Score: 5.50237
Type of gen. func.: ogf

$$\{a(n+3) - 4\, a(n+2) + 5\, a(n+1) - 2\, a(n),\ a(0) = 133,\ a(1) = 214,\ a(2) = 344\}$$

Sequence: A250766
Score: 9.69075
Type of gen. func.: ogf

$$-\frac{153\, x^{2} - 318\, x + 133}{(2\, x - 1)\, (x - 1)^{2}}$$

Sequence: A250767
Score: 4.99369
Type of gen. func.: ogf

$$-(207977\, f(x) - 1846932)\, (2\, f(x)\, x^{3} - 5\, f(x)\, x^{2} + 4\, f(x)\, x + 292\, x^{2} - f(x) - 638\, x + 262)$$

Sequence: A250767
Score: 5.58617
Type of gen. func.: ogf

$$\{a(n+3) - 4\, a(n+2) + 5\, a(n+1) - 2\, a(n),\ a(0) = 262,\ a(1) = 410,\ a(2) = 622\}$$

Sequence: A250767
Score: 9.83833
Type of gen. func.: ogf

$$-\frac{2\, (146\, x^{2} - 319\, x + 131)}{(2\, x - 1)\, (x - 1)^{2}}$$

Sequence: A250768
Score: 5.21202
Type of gen. func.: ogf

$$(24101 f(x) - 12683760) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x + 561 x^2 - f(x) - 1278 x + 519)$$

Sequence: A250768
Score: 5.65001
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 519, a(1) = 798, a(2) = 1158\}$$

Sequence: A250768
Score: 9.88751
Type of gen. func.: ogf

$$-\frac{3 (187 x^2 - 426 x + 173)}{(2 x - 1) (x - 1)^2}$$

Sequence: A250770
Score: 10.5754
Type of gen. func.: ogf

$$-\frac{2 (8 x^2 - 19 x + 9)}{(2 x - 1) (x - 1)^2}$$

Sequence: A250770
Score: 5.59361
Type of gen. func.: ogf

$$-(73 f(x) - 338) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x + 16 x^2 - f(x) - 38 x + 18)$$

Sequence: A250770

Score: 5.88545
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 18, a(1) = 34, a(2) = 62\}$$

Sequence: A250770
Score: 7.69122
Type of gen. func.: lgdogf

$$- \frac{-16 x^3 + 60 x^2 - 57 x + 17}{-16 x^4 + 62 x^3 - 83 x^2 + 46 x - 9}$$

Sequence: A250771
Score: 4.47524
Type of gen. func.: ogf

$$-(5939 f(x) - 308968) (2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 + 32 x^3 - 5 f(x) x - 108 x^2 + f(x) + 114 x - 36)$$

Sequence: A250771
Score: 8.35740
Type of gen. func.: ogf

$$- \frac{2 (2 x - 3) (8 x^2 - 15 x + 6)}{(x - 1)^3 (2 x - 1)}$$

Sequence: A250772
Score: 4.45421
Type of gen. func.: ogf

$$-(154072 f(x) - 1054147) (2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 + 64 x^3 - 5 f(x) x - 214 x^2 + f(x) + 230 x - 72)$$

Sequence: A250772

Score: 8.47911
Type of gen. func.: ogf

$$-\frac{2\,(32\,x^{3}-107\,x^{2}+115\,x-36)}{(x-1)^{3}\,(2\,x-1)}$$

Sequence: A250773
Score: 4.05485
Type of gen. func.: ogf

$$-(285933527\,f(x)+6461883992)\,(2\,f(x)\,x^{4}-7\,f(x)\,x^{3}+9\,f(x)\,x^{2}+128\,x^{3}-5\,f(x)\,x-424\,x^{2}+f(x)+462\,x-144)$$

Sequence: A250773
Score: 7.91887
Type of gen. func.: ogf

$$-\frac{2\,(64\,x^{3}-212\,x^{2}+231\,x-72)}{(x-1)^{3}\,(2\,x-1)}$$

Sequence: A250774
Score: 4.09043
Type of gen. func.: ogf

$$-(313686308\,f(x)+32043591513)\,(2\,f(x)\,x^{4}-7\,f(x)\,x^{3}+9\,f(x)\,x^{2}+256\,x^{3}-5\,f(x)\,x-842\,x^{2}+f(x)+926\,x-288)$$

Sequence: A250774
Score: 8.03648
Type of gen. func.: ogf

$$-\frac{2\,(128\,x^{3}-421\,x^{2}+463\,x-144)}{(x-1)^{3}\,(2\,x-1)}$$

Sequence: A250775
Score: 4.14542
Type of gen. func.: ogf

$$-(36692973 f(x) + 18845318360) (2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 + 512 x^3 - 5 f(x) x - 1676 x^2 + f(x) + 1854 x - 576)$$

Sequence: A250775
Score: 8.00494
Type of gen. func.: ogf

$$-\frac{2 (256 x^3 - 838 x^2 + 927 x - 288)}{(x - 1)^3 (2 x - 1)}$$

Sequence: A250777
Score: 14.0378
Type of gen. func.: ogf

$$-\frac{17 x - 21}{(2 x - 1) (x - 1)}$$

Sequence: A250777
Score: 7.33085
Type of gen. func.: ogf

$$(27 f(x) + 491) (2 f(x) x^2 - 3 f(x) x + f(x) + 17 x - 21)$$

Sequence: A250777
Score: 7.85448
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 21, a(1) = 46\}$$

Sequence: A250777
Score: 9.29262

Type of gen. func.: lgdogf

$$-\frac{-34 x^{2} + 84 x - 46}{-34 x^{3} + 93 x^{2} - 80 x + 21}$$

Sequence: A250778
Score: 10.1965
Type of gen. func.: ogf

$$-\frac{2 (18 x^{2} - 39 x + 23)}{(2 x - 1) (x - 1)^{2}}$$

Sequence: A250778
Score: 5.34898
Type of gen. func.: ogf

$$(8193 f(x) + 135916)$$

$$(2 f(x) x^{3} - 5 f(x) x^{2} + 4 f(x) x + 36 x^{2} - f(x) - 78 x + 46)$$

Sequence: A250778
Score: 5.57757
Type of gen. func.: ogf

{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 46, a(1) = 106, a(2) = 230

}

Sequence: A250778
Score: 6.94230
Type of gen. func.: lgdogf

$$-\frac{36 x^{3} - 120 x^{2} + 141 x - 53}{36 x^{4} - 132 x^{3} + 181 x^{2} - 108 x + 23}$$

Sequence: A250779

Score: 6.68768
Type of gen. func.: ogf

$$-\frac{73 x^4 - 304 x^3 + 492 x^2 - 356 x + 99}{(2 x - 1) (x - 1)^4}$$

Sequence: A250780
Score: 4.57895
Type of gen. func.: ogf

$$-\frac{153 x^6 - 922 x^5 + 2401 x^4 - 3376 x^3 + 2693 x^2 - 1154 x + 209}{(2 x - 1) (x - 1)^6}$$

Sequence: A250781
Score: 3.34893
Type of gen. func.: ogf

$$- 2 (160 x^8 - 1253 x^7 + 4469 x^6 - 9259 x^5 + 12093 x^4 - 10163 x^3 + 5364 x^2 - 1627 x + 218) / ((2 x - 1) (x - 1)^8)$$

Sequence: A250784
Score: 4.53985
Type of gen. func.: ogf

$$(46005 f(x) + 371912) (2 f(x) x^4 - f(x) x^3 - 4 f(x) x^2 + 16 x^3 + 4 f(x) x - 6 x^2 - f(x) - 26 x + 18)$$

Sequence: A250784
Score: 8.45546
Type of gen. func.: ogf

$$-\frac{2 (8 x^3 - 3 x^2 - 13 x + 9)}{(2 x - 1) (x - 1) (x^2 + x - 1)}$$

Sequence: A250785
Score: 6.79347
Type of gen. func.: ogf

$$-\frac{2(16x^4-22x^3-19x^2+42x-18)}{(2x-1)(x^2+x-1)(x-1)^2}$$

Sequence: A250786
Score: 4.85095
Type of gen. func.: ogf

$$-\frac{2(32x^6-43x^5-73x^4+129x^3+3x^2-82x+36)}{(2x-1)(x+1)(x^2+x-1)(x-1)^3}$$

Sequence: A250787
Score: 4.29662
Type of gen. func.: ogf

$$-\frac{2(64x^7-148x^6-70x^5+420x^4-259x^3-171x^2+234x-72)}{(2x-1)(x+1)(x^2+x-1)(x-1)^4}$$

Sequence: A250788
Score: 3.40381
Type of gen. func.: ogf

$$-2(128x^8-421x^7+137x^6+1026x^5-1408x^4+195x^3+811x^2-610x+144) \Big/ \left((2x-1)(x+1)(x^2+x-1)(x-1)^5\right)$$

Sequence: A250791
Score: 3.54769
Type of gen. func.: ogf

$\{(-2n-4)\,a(n+1) - 2\,a(n+2) + (3n+4)\,a(n+3) + (-n-1)\,a(n+4),$

a(0) = 24, a(1) = 66, a(2) = 180, a(3) = 490}

Sequence: A250791
Score: 4.39913
Type of gen. func.: ogf

$$-(743 f(x) - 9484) (2 f(x) x^4 - 2 f(x) x^3 - 3 f(x) x^2 + 16 x^3 + 4 f(x) x - 12 x^2 - f(x) - 30 x + 24)$$

Sequence: A250791
Score: 8.14654
Type of gen. func.: ogf

$$-\frac{2 (8 x^3 - 6 x^2 - 15 x + 12)}{(2 x^2 + 2 x - 1) (x - 1)^2}$$

Sequence: A250792
Score: 7.16752
Type of gen. func.: ogf

$$-\frac{2 (48 x^4 - 79 x^3 - 25 x^2 + 81 x - 27)}{(3 x - 1) (2 x - 1) (x + 1) (x - 1)^2}$$

Sequence: A250793
Score: 4.63656
Type of gen. func.: ogf

$$-\frac{2 (128 x^6 + 10 x^5 - 624 x^4 + 416 x^3 + 271 x^2 - 284 x + 59)}{(2 x - 1) (4 x^2 + 2 x - 1) (x^2 + 2 x - 1) (x - 1)^2}$$

Sequence: A250794
Score: 3.37932
Type of gen. func.: ogf

$$- 2 (640 x^8 + 580 x^7 - 3484 x^6 - 609 x^5 + 4886 x^4 - 1552 x^3 - 1356 x^2 + 841 x - 126) / ((2 x - 1) (2 x^2 + 2 x - 1) (5 x^2 + 2 x - 1) (x^2 + 2 x - 1) (x - 1)^2)$$

Sequence: A250798
Score: 11.1881
Type of gen. func.: ogf

$$- \frac{2 (4 x^2 + 3 x - 5)}{(2 x - 1) (x^2 + x - 1)}$$

Sequence: A250798
Score: 5.68576
Type of gen. func.: ogf

$$-(1067 f(x) - 1976) (2 f(x) x^3 + f(x) x^2 - 3 f(x) x + 8 x^2 + f(x) + 6 x - 10)$$

Sequence: A250798
Score: 6.03186
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + a(n + 1) + 2 a(n), a(0) = 10, a(1) = 24, a(2) = 54\}$$

Sequence: A250799
Score: 4.87015
Type of gen. func.: ogf

$$(67 f(x) + 824) (2 f(x) x^4 - f(x) x^3 - 4 f(x) x^2 + 16 x^3 + 4 f(x) x - 6 x^2 - f(x) - 30 x + 24)$$

Sequence: A250799
Score: 8.70538
Type of gen. func.: ogf

$$-\frac{2\,(8\,x^{3}-3\,x^{2}-15\,x+12)}{(2\,x-1)\,(x-1)\,(x^{2}+x-1)}$$

Sequence: A250800
Score: 6.61493
Type of gen. func.: ogf

$$-\frac{2\,(16\,x^{4}-23\,x^{3}-23\,x^{2}+55\,x-29)}{(2\,x-1)\,(x^{2}+x-1)\,(x-1)^{2}}$$

Sequence: A250801
Score: 4.26397
Type of gen. func.: ogf

$$-\frac{2\,(32\,x^{7}-15\,x^{6}-125\,x^{5}+82\,x^{4}+148\,x^{3}-125\,x^{2}-35\,x+70)}{(2\,x-1)\,(x^{2}+x-1)\,(x+1)^{2}\,(x-1)^{3}}$$

Sequence: A250802
Score: 3.66011
Type of gen. func.: ogf

$$-2\,(64\,x^{8}-95\,x^{7}-221\,x^{6}+423\,x^{5}+137\,x^{4}-577\,x^{3}+197\,x^{2}+177\,x-169)\;\Big/\;((2\,x-1)\,(x^{2}+x-1)\,(x+1)^{2}\,(x-1)^{4})$$

Sequence: A250806
Score: 4.54429
Type of gen. func.: ogf

$$(76236938\,f(x)+1587881409)$$

$$(6\,f(x)\,x^{3}-11\,f(x)\,x^{2}+6\,f(x)\,x+141\,x^{2}-f(x)-221\,x+100)$$

Sequence: A250806
Score: 5.07446
Type of gen. func.: ogf

$$\{a(n+3) - 6 a(n+2) + 11 a(n+1) - 6 a(n), a(0) = 100, a(1) = 379, a(2) = 1315\}$$

Sequence: A250806
Score: 8.95493
Type of gen. func.: ogf

$$-\frac{141 x^2 - 221 x + 100}{(2 x - 1) (3 x - 1) (x - 1)}$$

Sequence: A250807
Score: 4.82678
Type of gen. func.: ogf

$$(403118 f(x) + 17215845)$$

$$(6 f(x) x^3 - 11 f(x) x^2 + 6 f(x) x + 318 x^2 - f(x) - 477 x + 225)$$

Sequence: A250807
Score: 5.22901
Type of gen. func.: ogf

$$\{a(n+3) - 6 a(n+2) + 11 a(n+1) - 6 a(n), a(0) = 225, a(1) = 873, a(2) = 3081\}$$

Sequence: A250807
Score: 9.22766
Type of gen. func.: ogf

$$-\frac{3 (106 x^2 - 159 x + 75)}{(2 x - 1) (3 x - 1) (x - 1)}$$

Sequence: A250808
Score: 4.54372
Type of gen. func.: ogf

$(9520058 f(x) + 761969517)$

$(6 f(x) x^{3} - 11 f(x) x^{2} + 6 f(x) x + 636 x^{2} - f(x) - 915 x + 441)$

Sequence: A250808
Score: 4.95678
Type of gen. func.: ogf

$\{a(n + 3) - 6 a(n + 2) + 11 a(n + 1) - 6 a(n), a(0) = 441, a(1) = 1731,$

$a(2) = 6171\}$

Sequence: A250808
Score: 8.82015
Type of gen. func.: ogf

$$-\frac{3 (212 x^{2} - 305 x + 147)}{(2 x - 1) (3 x - 1) (x - 1)}$$

Sequence: A250809
Score: 4.3095
Type of gen. func.: ogf

$(12638688967 f(x) + 1750954780838)$

$(6 f(x) x^{3} - 11 f(x) x^{2} + 6 f(x) x + 1158 x^{2} - f(x) - 1607 x + 784)$

Sequence: A250809
Score: 5.01598
Type of gen. func.: ogf

$\{a(n + 3) - 6 a(n + 2) + 11 a(n + 1) - 6 a(n), a(0) = 784, a(1) = 3097,$

$a(2) = 11116\}$

Sequence: A250809
Score: 8.74213
Type of gen. func.: ogf

2

```
                             1158 x  - 1607 x + 784
                         - ---------------------------
                           (2 x - 1) (3 x - 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A250810
Score: 4.34632
Type of gen. func.: ogf


(122323013186 f(x) + 27482117120391)

             3             2                    2
    (6 f(x) x  - 11 f(x) x  + 6 f(x) x + 1959 x  - f(x) - 2637 x + 1296)



------------------------------------------------------------------------------

Sequence:  A250810
Score: 5.12371
Type of gen. func.: ogf


{a(n + 3) - 6 a(n + 2) + 11 a(n + 1) - 6 a(n), a(0) = 1296, a(1) = 5139,

    a(2) = 18537}



------------------------------------------------------------------------------

Sequence:  A250810
Score: 8.87628
Type of gen. func.: ogf


                                    2
                            3 (653 x  - 879 x + 432)
                         - ---------------------------
                           (2 x - 1) (3 x - 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A250811
Score: 4.5128
Type of gen. func.: ogf


(1386967847 f(x) + 479382362886)

             3             2                    2
    (6 f(x) x  - 11 f(x) x  + 6 f(x) x + 3126 x  - f(x) - 4101 x + 2025)



------------------------------------------------------------------------------

Sequence:  A250811
Score: 5.17321
Type of gen. func.: ogf


{a(n + 3) - 6 a(n + 2) + 11 a(n + 1) - 6 a(n), a(0) = 2025, a(1) = 8049,

    a(2) = 29145}
```

Sequence: A250811
Score: 8.96204
Type of gen. func.: ogf

$$-\frac{3\left(1042 x^{2}-1367 x+675\right)}{(2 x-1)(3 x-1)(x-1)}$$

Sequence: A250813
Score: 7.50574
Type of gen. func.: ogf

$$-\frac{9 x^{4}-44 x^{3}+85 x^{2}-80 x+36}{(x-1)^{5}}$$

Sequence: A250814
Score: 6.83151
Type of gen. func.: ogf

$$-\frac{27 x^{4}-134 x^{3}+268 x^{2}-266 x+129}{(x-1)^{5}}$$

Sequence: A250815
Score: 7.13213
Type of gen. func.: ogf

$$-\frac{81 x^{4}-404 x^{3}+826 x^{2}-845 x+432}{(x-1)^{5}}$$

Sequence: A250816
Score: 6.26698
Type of gen. func.: ogf

$$243 x^{4}-1214 x^{3}+2518 x^{2}-2624 x+1389$$

$$- \frac{}{(x - 1)^5}$$

Sequence: A250817
Score: 6.41026
Type of gen. func.: ogf

$$- \frac{729 x^4 - 3644 x^3 + 7630 x^2 - 8045 x + 4356}{(x - 1)^5}$$

Sequence: A250818
Score: 6.14467
Type of gen. func.: ogf

$$- \frac{2187 x^4 - 10934 x^3 + 23038 x^2 - 24476 x + 13449}{(x - 1)^5}$$

Sequence: A250819
Score: 5.82642
Type of gen. func.: ogf

$$- \frac{6561 x^4 - 32804 x^3 + 69406 x^2 - 74105 x + 41112}{(x - 1)^5}$$

Sequence: A250834
Score: 3.73717
Type of gen. func.: ogf

$$-(35612 f(x) + 775677) (6 f(x) x^4 - 8 f(x) x^3 + 13 f(x) x^2 + 54 x^3 - 8 f(x) x - 62 x^2 + f(x) + 107 x - 55)$$

Sequence: A250834
Score: 7.02408
Type of gen. func.: ogf

$$-\frac{54 x^3 - 62 x^2 + 107 x - 55}{6 x^4 - 8 x^3 + 13 x^2 - 8 x + 1}$$

Sequence: A250846
Score: 3.22745
Type of gen. func.: ogf

$$(6871583229661645 f(x) + 147492973000889976) (24 f(x) x^4 - 50 f(x) x^3 + 35 f(x) x^2 + 384 x^3 - 10 f(x) x - 740 x^2 + f(x) + 457 x - 100)$$

Sequence: A250846
Score: 6.56367
Type of gen. func.: ogf

$$-\frac{384 x^3 - 740 x^2 + 457 x - 100}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A250847
Score: 3.20911
Type of gen. func.: ogf

$$(6952469530729 f(x) + 637436190347214) (24 f(x) x^4 - 50 f(x) x^3 + 35 f(x) x^2 + 1344 x^3 - 10 f(x) x - 2527 x^2 + f(x) + 1543 x - 400)$$

Sequence: A250847
Score: 6.20892
Type of gen. func.: ogf

$$-\frac{1344 x^3 - 2527 x^2 + 1543 x - 400}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A250848

Score: 5.84290
Type of gen. func.: ogf

$$-\frac{3992 x^3 - 7302 x^2 + 4213 x - 1225}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A250849
Score: 3.09458
Type of gen. func.: ogf

$$(36257078391117 f(x) + 32497863092621044) (24 f(x) x^4 - 50 f(x) x^3 + 35 f(x) x^2 + 10284 x^3 - 10 f(x) x - 18416 x^2 + f(x) + 9924 x - 3136)$$

Sequence: A250849
Score: 5.99372
Type of gen. func.: ogf

$$-\frac{4 (2571 x^3 - 4604 x^2 + 2481 x - 784)}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A250850
Score: 5.51885
Type of gen. func.: ogf

$$-\frac{9 (2624 x^3 - 4624 x^2 + 2329 x - 784)}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A250851
Score: 5.60800
Type of gen. func.: ogf

$$-\frac{49444 x^3 - 86035 x^2 + 40707 x - 14400}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A250852

Score: 5.72424
Type of gen. func.: ogf

$$-\frac{96024 x^3 - 165362 x^2 + 73953 x - 27225}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A250854
Score: 4.57473
Type of gen. func.: ogf

$$-\frac{64 x^6 - 447 x^5 + 1334 x^4 - 2231 x^3 + 2241 x^2 - 1344 x + 543}{(x - 1)^7}$$

Sequence: A250855
Score: 4.64469
Type of gen. func.: ogf

$$-\frac{256 x^6 - 1791 x^5 + 5326 x^4 - 8976 x^3 + 9188 x^2 - 5593 x + 2670}{(x - 1)^7}$$

Sequence: A250856
Score: 4.00838
Type of gen. func.: ogf

$$-\frac{1024 x^6 - 7167 x^5 + 21160 x^4 - 35749 x^3 + 37047 x^2 - 22546 x + 12311}{(x - 1)^7}$$

Sequence: A250857
Score: 3.91163
Type of gen. func.: ogf

$$-\frac{4096 x^6 - 28671 x^5 + 83994 x^4 - 141944 x^3 + 148340 x^2 - 89705 x + 54410}{(x - 1)^7}$$

Sequence: A250858
Score: 3.80439
Type of gen. func.: ogf

$$-(16384 x^6 - 114687 x^5 + 333624 x^4 - 563481 x^3 + 592371 x^2 - 355334 x + 233683) / (x - 1)^7$$

Sequence: A250859
Score: 3.61443
Type of gen. func.: ogf

$$-(65536 x^6 - 458751 x^5 + 1326626 x^4 - 2238796 x^3 + 2363648 x^2 - 1406733 x + 983950) / (x - 1)^7$$

Sequence: A250867
Score: 5.97427
Type of gen. func.: ogf

$$(42875 f(x) x - 64 f(x) + 32768000000000)^2$$

Sequence: A250870
Score: 4.20724
Type of gen. func.: ogf

$$(938096009 f(x) + 15828694368)$$

$$(12 f(x) x^3 - 19 f(x) x^2 + 8 f(x) x + 192 x^2 - f(x) - 280 x + 90)$$

Sequence: A250870
Score: 4.76820
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 19 a(n + 1) - 12 a(n), a(0) = 90, a(1) = 440, a(2) = 2002\}$$

Sequence: A250870
Score: 8.41447
Type of gen. func.: ogf

$$-\frac{2\,(96\,x^2-140\,x+45)}{(x-1)\,(3\,x-1)\,(4\,x-1)}$$

Sequence: A250871
Score: 3.43578
Type of gen. func.: ogf

$$(1524426146917\,f(x)+91591863102168)\,(24\,f(x)\,x^4-50\,f(x)\,x^3+35\,f(x)\,x^2+1200\,x^3-10\,f(x)\,x-2332\,x^2+f(x)+1424\,x-288)$$

Sequence: A250871
Score: 6.61014
Type of gen. func.: ogf

$$-\frac{4\,(300\,x^3-583\,x^2+356\,x-72)}{(x-1)\,(3\,x-1)\,(2\,x-1)\,(4\,x-1)}$$

Sequence: A250872
Score: 3.20911
Type of gen. func.: ogf

$$(4298371292605\,f(x)+701418470378856)\,(24\,f(x)\,x^4-50\,f(x)\,x^3+35\,f(x)\,x^2+2928\,x^3-10\,f(x)\,x-5572\,x^2+f(x)+3338\,x-678)$$

Sequence: A250872
Score: 6.20892
Type of gen. func.: ogf

$$-\frac{2\,(1464\,x^3-2786\,x^2+1669\,x-339)}{(x-1)\,(3\,x-1)\,(2\,x-1)\,(4\,x-1)}$$

Sequence: A250873
Score: 3.44379
Type of gen. func.: ogf

$$(65490853 f(x) + 23556603264) (24 f(x) x^4 - 50 f(x) x^3 + 35 f(x) x^2 + 5952 x^3 - 10 f(x) x - 11128 x^2 + f(x) + 6552 x - 1328)$$

Sequence: A250873
Score: 6.26477
Type of gen. func.: ogf

$$- \frac{8 (744 x^3 - 1391 x^2 + 819 x - 166)}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A250874
Score: 2.87508
Type of gen. func.: ogf

$$(7927103142065581 f(x) + 5406763534503977232) (24 f(x) x^4 - 50 f(x) x^3 + 35 f(x) x^2 + 10656 x^3 - 10 f(x) x - 19656 x^2 + f(x) + 11416 x - 2306)$$

Sequence: A250874
Score: 5.66031
Type of gen. func.: ogf

$$- \frac{2 (5328 x^3 - 9828 x^2 + 5708 x - 1153)}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A250875
Score: 2.89037
Type of gen. func.: ogf

$$(43927294639818661 f(x) + 51080552432074046088) (24 f(x) x^4 - 50 f(x) x^3 + 35 f(x) x^2 + 17424 x^3 - 10 f(x) x - 31812 x^2 + f(x) + 18280 x - 3680)$$

Sequence: A250875
Score: 5.75064
Type of gen. func.: ogf

$$-\frac{4\,(4356\,x^{3}-7953\,x^{2}+4570\,x-920)}{(x-1)\,(3\,x-1)\,(2\,x-1)\,(4\,x-1)}$$

Sequence: A250876
Score: 3.04661
Type of gen. func.: ogf

$$(13779582891373\,f(x)+25280481464419032)\,(24\,f(x)\,x^{4}-50\,f(x)\,x^{3}+35\,f(x)\,x^{2}$$
$$+26640\,x^{3}-10\,f(x)\,x-48252\,x^{2}+f(x)+27494\,x-5518)$$

Sequence: A250876
Score: 5.87106
Type of gen. func.: ogf

$$-\frac{2\,(13320\,x^{3}-24126\,x^{2}+13747\,x-2759)}{(x-1)\,(3\,x-1)\,(2\,x-1)\,(4\,x-1)}$$

Sequence: A250878
Score: 3.62212
Type of gen. func.: ogf

$$\{(4159\,n^{2}+23771\,n+30906)\,a(n+1)+(2324\,n^{2}+53560\,n+139392)\,a(n+2)$$
$$+(-6483\,n^{2}-45405\,n-77868)\,a(n+3),\ a(0)=90,\ a(1)=288,\ a(2)=678$$
$$\}$$

Sequence: A250878
Score: 4.79199
Type of gen. func.: ogf

4 3 2 3

$$(2425503883 f(x) + 135612180350) (f(x) x - 4 f(x) x + 6 f(x) x + 16 x$$

$$- 4 f(x) x - 66 x^2 + f(x) + 72 x - 90)$$

Sequence: A250878
Score: 8.76717
Type of gen. func.: lgdogf

$$- \frac{-8 x^3 + 42 x^2 - 42 x + 144}{-8 x^4 + 41 x^3 - 69 x^2 + 81 x - 45}$$

Sequence: A250878
Score: 9.52483
Type of gen. func.: ogf

$$- \frac{2 (8 x^3 - 33 x^2 + 36 x - 45)}{(x - 1)^4}$$

Sequence: A250879
Score: 4.37053
Type of gen. func.: ogf

$$(9855901935 f(x) + 2986589205808) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 64 x^3$$

$$- 4 f(x) x - 258 x^2 + f(x) + 304 x - 440)$$

Sequence: A250879
Score: 7.51185
Type of gen. func.: lgdogf

$$- \frac{-32 x^3 + 162 x^2 - 198 x + 728}{-32 x^4 + 161 x^3 - 281 x^2 + 372 x - 220}$$

Sequence: A250879
Score: 8.58498

Type of gen. func.: ogf

$$-\frac{2\,(32\,x^3 - 129\,x^2 + 152\,x - 220)}{(x-1)^4}$$

Sequence: A250880
Score: 3.91931
Type of gen. func.: ogf

$$(26226838046012878\,f(x) + 38460625240987437467)\,(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 + 256\,x^3 - 4\,f(x)\,x - 1026\,x^2 + f(x) + 1196\,x - 2002)$$

Sequence: A250880
Score: 7.03172
Type of gen. func.: lgdogf

$$-\frac{-128\,x^3 + 642\,x^2 - 768\,x + 3406}{-128\,x^4 + 641\,x^3 - 1111\,x^2 + 1599\,x - 1001}$$

Sequence: A250880
Score: 8.15040
Type of gen. func.: ogf

$$-\frac{2\,(128\,x^3 - 513\,x^2 + 598\,x - 1001)}{(x-1)^4}$$

Sequence: A250881
Score: 3.59698
Type of gen. func.: ogf

$$(61697175448187339619673\,f(x) + 409991922736371130345728830)\,(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 + 1024\,x^3 - 4\,f(x)\,x - 4098\,x^2 + f(x) + 4584\,x - 8736)$$

Sequence: A250881
Score: 6.68496
Type of gen. func.: lgdogf

$$- \frac{-512 x^3 + 2562 x^2 - 2778 x + 15180}{-512 x^4 + 2561 x^3 - 4341 x^2 + 6660 x - 4368}$$

Sequence: A250881
Score: 7.96187
Type of gen. func.: ogf

$$- \frac{2 (512 x^3 - 2049 x^2 + 2292 x - 4368)}{(x - 1)^4}$$

Sequence: A250882
Score: 7.41742
Type of gen. func.: ogf

$$- \frac{2 (2048 x^3 - 8193 x^2 + 8726 x - 18565)}{(x - 1)^4}$$

Sequence: A250883
Score: 6.57668
Type of gen. func.: ogf

$$- \frac{2 (8192 x^3 - 32769 x^2 + 33292 x - 77540)}{(x - 1)^4}$$

Sequence: A250884
Score: 6.82604
Type of gen. func.: ogf

$$2 (32768 x^3 - 131073 x^2 + 127758 x - 320001)$$

$$- \frac{}{(x - 1)^{4}}$$

Sequence: A250885
Score: 12.5909
Type of gen. func.: ogf

$$-1 + f(x) - 4 f(x)^{2} x + 3 f(x)^{3} x^{2}$$

Sequence: A250885
Score: 23.2145
Type of gen. func.: revogf

$$3 x^{3} - 4 x^{2} + x$$

Sequence: A250885
Score: 3.95140
Type of gen. func.: ogf

$$\{(243 n^{2} + 972 n + 945) a(n + 1) + (40 n^{2} + 220 n + 300) a(n + 2)$$

$$+ (-4 n^{2} - 28 n - 48) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 29\}$$

Sequence: A250886
Score: 14.0816
Type of gen. func.: ogf

$$-1 + f(x) - f(x)^{2} x - 2 f(x)^{3} x^{2}$$

Sequence: A250886
Score: 25.9630
Type of gen. func.: revogf

$$-2 x^{3} - x^{2} + x$$

Sequence: A250886
Score: 4.41923
Type of gen. func.: ogf

$$\{(-108 n^2 - 432 n - 420) a(n + 1) + (-40 n^2 - 220 n - 300) a(n + 2) + (9 n^2 + 63 n + 108) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 4\}$$

Sequence: A250887
Score: 13.4986
Type of gen. func.: ogf

$$1 - f(x) + 2 f(x)^2 x + 3 f(x)^3 x^2$$

Sequence: A250887
Score: 24.8879
Type of gen. func.: revogf

$$-3 x^3 - 2 x^2 + x$$

Sequence: A250887
Score: 4.12650
Type of gen. func.: ogf

$$\{(243 n^2 + 972 n + 945) a(n + 1) + (140 n^2 + 770 n + 1050) a(n + 2) + (-16 n^2 - 112 n - 192) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 11\}$$

Sequence: A250888
Score: 12.4877
Type of gen. func.: ogf

$$1 - f(x) + 3 f(x)^2 x + 4 f(x)^3 x^2$$

Sequence: A250888
Score: 23.0242
Type of gen. func.: revogf

$$-4 x^3 - 3 x^2 + x$$

Sequence: A250888
Score: 3.75905
Type of gen. func.: ogf

$$\{(432 n^2 + 1728 n + 1680) a(n + 1) + (324 n^2 + 1782 n + 2430) a(n + 2) + (-25 n^2 - 175 n - 300) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 22\}$$

Sequence: A250889
Score: 12.542
Type of gen. func.: ogf

$$-1 + f(x) - f(x)^2 x - 6 f(x)^3 x^2$$

Sequence: A250889
Score: 23.1242
Type of gen. func.: revogf

$$-6 x^3 - x^2 + x$$

Sequence: A250889
Score: 3.83407
Type of gen. func.: ogf

$$\{(-972 n^2 - 3888 n - 3780) a(n + 1) + (-112 n^2 - 616 n - 840) a(n + 2) + (25 n^2 + 175 n + 300) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 8\}$$

Sequence: A250890
Score: 11.4836
Type of gen. func.: ogf

$$1 - f(x) + 3 f(x)^2 x + 10 f(x)^3 x^2$$

Sequence: A250890
Score: 20.8793
Type of gen. func.: revogf

$$-10 x^3 - 3 x^2 + x$$

Sequence: A250890
Score: 3.46240
Type of gen. func.: ogf

$$\{(-2700 n^2 - 10800 n - 10500) a(n + 1) + (-648 n^2 - 3564 n - 4860) a(n + 2) + (49 n^2 + 343 n + 588) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 28\}$$

Sequence: A250891
Score: 6.57209
Type of gen. func.: ogf

$$\frac{2 x^5 - 8 x^4 - 132 x^3 + 264 x^2 - 171 x + 37}{(3 x - 1) (x - 1) (2 x - 1)^2}$$

Sequence: A250892
Score: 3.49963
Type of gen. func.: ogf

$$(88 x^8 - 328 x^7 - 498 x^6 + 3984 x^5 - 7674 x^4 + 7364 x^3 - 3898 x^2 + 1093 x - 127) / ((3 x - 1) (2 x - 1)^3 (x - 1)^3)$$

Sequence: A250893
Score: 3.51798
Type of gen. func.: ogf

$$(594 x^8 - 1746 x^7 - 1284 x^6 + 13314 x^5 - 25568 x^4 + 24246 x^3 - 12668 x^2 + 3511 x - 403) / ((3 x - 1) (2 x - 1)^3 (x - 1)^3)$$

Sequence: A250894
Score: 3.32581
Type of gen. func.: ogf

$$(2560 x^8 - 6688 x^7 - 4192 x^6 + 42988 x^5 - 81484 x^4 + 76719 x^3 - 39723 x^2 + 10881 x - 1229) / ((3 x - 1) (2 x - 1)^3 (x - 1)^3)$$

Sequence: A250895
Score: 3.31693
Type of gen. func.: ogf

$$(8800 x^8 - 21650 x^7 - 14708 x^6 + 133698 x^5 - 251138 x^4 + 236349 x^3 - 121853 x^2 + 33047 x - 3673) / ((3 x - 1) (2 x - 1)^3 (x - 1)^3)$$

Sequence: A250896
Score: 3.10495
Type of gen. func.: ogf

$$(26568 x^8 - 63432 x^7 - 50022 x^6 + 402400 x^5 - 755858 x^4 + 715664 x^3 - 368950 x^2 + 99285 x - 10875) / ((3 x - 1) (2 x - 1)^3 (x - 1)^3)$$

Sequence: A250897
Score: 3.10111
Type of gen. func.: ogf

$$(73990 x^8 - 174146 x^7 - 162292 x^6 + 1181770 x^5 - 2239408 x^4 + 2144026 x^3 - 1108848 x^2 + 296719 x - 32095) / ((3 x - 1) (2 x - 1)^3 (x - 1)^3)$$

Sequence: A250899
Score: 6.29613

Type of gen. func.: ogf

$$-\frac{108 x^{4} - 348 x^{3} + 407 x^{2} - 206 x + 37}{(3 x - 1) (2 x - 1)^{2} (x - 1)^{2}}$$

Sequence: A250900
Score: 4.96855
Type of gen. func.: ogf

$$-\frac{324 x^{5} - 1392 x^{4} + 2393 x^{3} - 2015 x^{2} + 819 x - 125}{(2 x - 1)^{2} (3 x - 1) (x - 1)^{3}}$$

Sequence: A250907
Score: 3.99485
Type of gen. func.: ogf

$$-(62932481 f(x) + 2859592572)$$

$$(36 f(x) x^{3} - 41 f(x) x^{2} + 24 f(x) x + 972 x^{2} - f(x) - 1071 x + 603)$$

Sequence: A250907
Score: 4.47043
Type of gen. func.: ogf

{a(n + 3) - 24 a(n + 2) + 41 a(n + 1) - 36 a(n), a(0) = 603, a(1) = 13401,

a(2) = 297873}

Sequence: A250907
Score: 7.93344
Type of gen. func.: ogf

$$-\frac{9 (108 x^{2} - 119 x + 67)}{36 x^{3} - 41 x^{2} + 24 x - 1}$$

Sequence: A250916

Score: 11.8260
Type of gen. func.: lgdegf]

$$\frac{16}{(1-4x)^{1/2}\,\left(1+(1-4x)^{1/2}\right)^{3}}$$

Sequence: A250916
Score: 3.12289
Type of gen. func.: egf]

$$\{(-4n^3-34n^2-42n)\,a(n)+(n^3+18n^2+95n+90)\,a(n+1)+(-10n^2-90n-156)\,a(n+2)+(2n^2+18n+36)\,a(n+3),\ a(0)=1,\ a(1)=2,\ a(2)=7\}$$

Sequence: A250917
Score: 7.85184
Type of gen. func.: lgdegf]

$$\frac{1/2\,I\,(2x^2-7x+2)}{x^3\,(4x-1)^{1/2}}+\frac{3x-2}{2x^3}$$

Sequence: A250920
Score: 5.54913
Type of gen. func.: ogf

$$-\frac{36x^4-140x^3+245x^2-178x+58}{4x^5-16x^4+29x^3-23x^2+9x-1}$$

Sequence: A250928
Score: 2.88041
Type of gen. func.: ogf

$$-(11521927807207\,f(x)+282038177512476)\,(33\,f(x)\,x^4-37\,f(x)\,x^3+23\,f(x)\,x^2+528\,x^3-12\,f(x)\,x-536\,x^2+f(x)+316\,x-164)$$

Sequence: A250928
Score: 5.82555
Type of gen. func.: ogf

$$-\frac{4 (132 x^3 - 134 x^2 + 79 x - 41)}{33 x^4 - 37 x^3 + 23 x^2 - 12 x + 1}$$

Sequence: A250936
Score: 3.06021
Type of gen. func.: ogf

$$(8 x^{10} - 40 x^9 + 182 x^8 - 296 x^7 - 1195 x^6 + 5586 x^5 - 9816 x^4 + 9104 x^3 - 4730 x^2 + 1316 x - 155) / ((3 x - 1) (x - 1)^2 (2 x - 1)^4)$$

Sequence: A250943
Score: 5.88487
Type of gen. func.: ogf

$$-\frac{108 x^4 + 138 x^3 - 109 x^2 - 67 x + 37}{(3 x - 1) (4 x^2 + 2 x - 1) (x^2 + x - 1)}$$

Sequence: A250951
Score: 3.57705
Type of gen. func.: ogf

$$-(924397 f(x) - 4430993)$$

$$(8 f(x) x^3 + 24 f(x) x^2 - 15 f(x) x + 128 x^2 + f(x) + 391 x - 209)$$

Sequence: A250951
Score: 3.89695
Type of gen. func.: ogf

$$\{a(n + 3) - 15 a(n + 2) + 24 a(n + 1) + 8 a(n), a(0) = 209, a(1) = 2744,$$

a(2) = 36016}

Sequence: A250951
Score: 6.94674
Type of gen. func.: ogf

$$-\frac{128 x^2 + 391 x - 209}{8 x^3 + 24 x^2 - 15 x + 1}$$

Sequence: A250952
Score: 5.53912
Type of gen. func.: ogf

$$-\frac{4 (240 x^3 - 361 x^2 - 463 x + 195)}{30 x^4 - 46 x^3 - 57 x^2 + 27 x - 1}$$

Sequence: A250958
Score: 3.58264
Type of gen. func.: ogf

$$-\frac{576 x^6 - 2652 x^5 + 5608 x^4 - 5991 x^3 + 3571 x^2 - 1128 x + 170}{36 x^7 - 168 x^6 + 361 x^5 - 397 x^4 + 248 x^3 - 86 x^2 + 16 x - 1}$$

Sequence: A250967
Score: 5.74594
Type of gen. func.: ogf

$$-\frac{24 x^4 - 108 x^3 + 118 x^2 - 84 x + 49}{(x - 1) (3 x^4 - 11 x^3 + 6 x^2 - 7 x + 1)}$$

Sequence: A250975
Score: 5.80964
Type of gen. func.: ogf

$$-\frac{9x^4-53x^3+111x^2-77x+71}{x^5-6x^4+13x^3-10x^2+9x-1}$$

Sequence: A250987
Score: 5.53133
Type of gen. func.: ogf

$$-\frac{9x^5+56x^4+77x^3-56x^2-82x+40}{(x^2+2x-1)(x^4+4x^3-4x+1)}$$

Sequence: A250995
Score: 4.45474
Type of gen. func.: ogf

$$-\frac{27x^6+48x^5-94x^4-146x^3+88x^2+71x-40}{(3x-1)(x+1)(x^2+x-1)(x^3-3x+1)}$$

Sequence: A251003
Score: 5.58431
Type of gen. func.: ogf

$$-\frac{36x^4-104x^3+141x^2-91x+69}{4x^5-12x^4+17x^3-12x^2+9x-1}$$

Sequence: A251012
Score: 6.03464
Type of gen. func.: ogf

$$-\frac{9x^4-62x^3+155x^2-144x+63}{x^5-7x^4+18x^3-18x^2+9x-1}$$

Sequence: A251021

Score: 4.08046
Type of gen. func.: ogf

$$-\frac{46 x^7 - 255 x^6 + 557 x^5 - 571 x^4 + 157 x^3 + 264 x^2 - 244 x + 110}{(3 x^2 + x - 1) (x - 1)^6}$$

Sequence: A251048
Score: 3.95132
Type of gen. func.: ogf

$$-\frac{6 x^8 - 18 x^7 - 34 x^6 + 245 x^5 - 470 x^4 + 363 x^3 + 12 x^2 - 172 x + 66}{(3 x^2 + x - 1) (x - 1)^6}$$

Sequence: A251049
Score: 3.20905
Type of gen. func.: ogf

$$-(19 x^{10} + 113 x^9 - 936 x^8 + 1772 x^7 + 228 x^6 - 5116 x^5 + 7493 x^4 - 4658 x^3 + 640 x^2 + 792 x - 290) / ((3 x^2 + x - 1) (x - 1)^7)$$

Sequence: A251081
Score: 5.67300
Type of gen. func.: ogf

$$-\frac{2 x^6 + 6 x^5 - 47 x^4 + 70 x^3 - 7 x^2 - 52 x + 27}{(2 x - 1) (x + 1) (x - 1)^4}$$

Sequence: A251082
Score: 4.57382
Type of gen. func.: ogf

$$-\frac{26 x^7 - 29 x^6 - 204 x^5 + 549 x^4 - 472 x^3 + 9 x^2 + 214 x - 83}{(2 x - 1) (x + 1) (x - 1)^5}$$

Sequence: A251083
Score: 4.33694
Type of gen. func.: ogf

$$-\frac{82 x^{7} - 85 x^{6} - 674 x^{5} + 1768 x^{4} - 1460 x^{3} + 35 x^{2} + 536 x - 192}{(2 x - 1) (x + 1) (x - 1)^{5}}$$

Sequence: A251084
Score: 4.35114
Type of gen. func.: ogf

$$-\frac{2 (89 x^{7} - 53 x^{6} - 886 x^{5} + 2125 x^{4} - 1662 x^{3} + 7 x^{2} + 607 x - 210)}{(2 x - 1) (x + 1) (x - 1)^{5}}$$

Sequence: A251085
Score: 4.45624
Type of gen. func.: ogf

$$-\frac{320 x^{7} + 27 x^{6} - 4098 x^{5} + 8954 x^{4} - 6460 x^{3} - 511 x^{2} + 2698 x - 872}{(2 x - 1) (x + 1) (x - 1)^{5}}$$

Sequence: A251086
Score: 4.14431
Type of gen. func.: ogf

$$- 2 (256 x^{7} + 280 x^{6} - 4350 x^{5} + 8669 x^{4} - 5640 x^{3} - 1181 x^{2} + 2922 x - 891) \Big/ ((2 x - 1) (x + 1) (x - 1)^{5})$$

Sequence: A251087
Score: 4.14702
Type of gen. func.: ogf

7 6 5 4 3 2

$$- (756 x + 1962 x - 17566 x + 32161 x - 18338 x - 7604 x + 12472 x - 3593$$

$$) / ((2 x - 1) (x + 1) (x - 1)^5)$$

Sequence: A251091
Score: 5.92667
Type of gen. func.: ogf

$$- \frac{x (x^{10} + x^9 + 9 x^8 + 8 x^7 + 22 x^6 + 6 x^5 + 22 x^4 + 8 x^3 + 9 x^2 + x + 1)}{(x - 1)^3 (x + 1)^3 (x^2 + 1)^3}$$

Sequence: A251094
Score: 3.64541
Type of gen. func.: ogf

$$-(7057098937 f(x) + 28655511147) (3 f(x) x^4 - 10 f(x) x^3 + 11 f(x) x^2 + 24 x^3$$

$$- 7 f(x) x - 76 x^2 + f(x) + 75 x - 41)$$

Sequence: A251094
Score: 7.29081
Type of gen. func.: ogf

$$- \frac{24 x^3 - 76 x^2 + 75 x - 41}{3 x^4 - 10 x^3 + 11 x^2 - 7 x + 1}$$

Sequence: A251106
Score: 4.59043
Type of gen. func.: ogf

$$- \frac{10 x^6 - 41 x^5 + 65 x^4 - 91 x^3 + 87 x^2 - 38 x + 37}{(x^2 + 1) (x^5 - 5 x^4 + 8 x^3 - 7 x^2 + 5 x - 1)}$$

Sequence: A251122

Score: 7.49252
Type of gen. func.: ogf

$$-\frac{12x^4-20x^3-14x^2+44x-21}{(x^2+x-1)(x-1)^3}$$

Sequence: A251123
Score: 7.09198
Type of gen. func.: ogf

$$\frac{x^5-29x^4+46x^3+32x^2-91x+40}{(x^2+x-1)(x-1)^3}$$

Sequence: A251124
Score: 6.73714
Type of gen. func.: ogf

$$\frac{3x^5-59x^4+87x^3+65x^2-171x+72}{(x^2+x-1)(x-1)^3}$$

Sequence: A251125
Score: 6.61925
Type of gen. func.: ogf

$$\frac{6x^5-107x^4+153x^3+125x^2-307x+125}{(x^2+x-1)(x-1)^3}$$

Sequence: A251126
Score: 6.28543
Type of gen. func.: ogf

$$\frac{10x^5-183x^4+255x^3+230x^2-533x+212}{(x^2+x-1)(x-1)^3}$$

Sequence: A251127
Score: 6.40807
Type of gen. func.: ogf

$$\frac{15 x^5 - 302 x^4 + 414 x^3 + 410 x^2 - 906 x + 354}{(x^2 + x - 1) (x - 1)^3}$$

Sequence: A251130
Score: 5.96117
Type of gen. func.: ogf

$$- \frac{17 x^5 - 60 x^4 + 58 x^3 + 24 x^2 - 67 x + 40}{(2 x - 1) (x + 1) (x - 1)^4}$$

Sequence: A251131
Score: 4.18604
Type of gen. func.: ogf

$$- \frac{4 x^8 + 26 x^7 - 27 x^6 - 264 x^5 + 597 x^4 - 330 x^3 - 235 x^2 + 382 x - 133}{(2 x - 1) (x + 1) (x - 1)^5}$$

Sequence: A251132
Score: 3.98212
Type of gen. func.: ogf

$$(2 x^9 - 5 x^8 - 114 x^7 + 62 x^6 + 1146 x^5 - 2514 x^4 + 1464 x^3 + 782 x^2 - 1212 x + 369) / ((2 x - 1) (x + 1) (x - 1)^5)$$

Sequence: A251133
Score: 4.03025
Type of gen. func.: ogf

$$(2 x^9 + 7 x^8 - 290 x^7 - 165 x^6 + 3770 x^5 - 7100 x^4 + 3590 x^3 + 2473 x^2 - 3250 x$$

$$+ 919) \Big/ ((2 x - 1) (x + 1) (x - 1)^5)$$

Sequence: A251134
Score: 3.78584
Type of gen. func.: ogf

$$(2 x^9 + 21 x^8 - 571 x^7 - 883 x^6 + 9606 x^5 - 16776 x^4 + 7381 x^3 + 7011 x^2 - 7988 x + 2129) \Big/ ((2 x - 1) (x + 1) (x - 1)^5)$$

Sequence: A251135
Score: 3.74947
Type of gen. func.: ogf

$$(2 x^9 + 39 x^8 - 1012 x^7 - 2915 x^6 + 22238 x^5 - 35970 x^4 + 12986 x^3 + 18201 x^2 - 18408 x + 4699) \Big/ ((2 x - 1) (x + 1) (x - 1)^5)$$

Sequence: A251136
Score: 3.56011
Type of gen. func.: ogf

$$(2 x^9 + 61 x^8 - 1661 x^7 - 7753 x^6 + 48222 x^5 - 73278 x^4 + 20853 x^3 + 43911 x^2 - 40650 x + 10033) \Big/ ((2 x - 1) (x + 1) (x - 1)^5)$$

Sequence: A251143
Score: 7.59513
Type of gen. func.: ogf

$$- \frac{34 x^4 + 35 x^3 - 60 x^2 - 32 x + 27}{(x - 1) (2 x - 1) (x + 1) (x^2 + x - 1)}$$

Sequence: A251144
Score: 7.54867
Type of gen. func.: ogf

$$-\frac{74 x^4 + 83 x^3 - 118 x^2 - 72 x + 53}{(x - 1) (2 x - 1) (x + 1) (x^2 + x - 1)}$$

Sequence: A251145
Score: 7.40806
Type of gen. func.: ogf

$$-\frac{162 x^4 + 195 x^3 - 236 x^2 - 160 x + 107}{(x - 1) (2 x - 1) (x + 1) (x^2 + x - 1)}$$

Sequence: A251146
Score: 7.44351
Type of gen. func.: ogf

$$-\frac{342 x^4 + 433 x^3 - 464 x^2 - 340 x + 213}{(x - 1) (2 x - 1) (x + 1) (x^2 + x - 1)}$$

Sequence: A251147
Score: 7.54984
Type of gen. func.: ogf

$$-\frac{718 x^4 + 945 x^3 - 918 x^2 - 716 x + 427}{(x - 1) (2 x - 1) (x + 1) (x^2 + x - 1)}$$

Sequence: A251148
Score: 7.34684
Type of gen. func.: ogf

$$-\frac{1486 x^4 + 2013 x^3 - 1812 x^2 - 1484 x + 853}{(x - 1) (2 x - 1) (x + 1) (x^2 + x - 1)}$$

Sequence: A251151
Score: 5.33522
Type of gen. func.: ogf

$$-\frac{36x^5-68x^4-35x^3+176x^2-15x-65}{4x^6-8x^5-3x^4+20x^3-4x^2-7x+1}$$

Sequence: A251194
Score: 4.61181
Type of gen. func.: ogf

$$(323 f(x) - 725)$$

$$(f(x) x^4 + f(x) x^3 - 2 f(x) x^2 + 4 x^3 - 2 f(x) x + 6 x^2 + f(x) - 5 x - 10)$$

Sequence: A251194
Score: 8.39587
Type of gen. func.: ogf

$$-\frac{4x^3+6x^2-5x-10}{x^4+x^3-2x^2-2x+1}$$

Sequence: A251195
Score: 6.33070
Type of gen. func.: ogf

$$\frac{x^5-7x^4-62x^3-37x^2+36x+25}{x^5+7x^4+x^3-7x^2-2x+1}$$

Sequence: A251203
Score: 5.06609
Type of gen. func.: ogf

$$(4807 f(x) - 29956)$$

$$(16 f(x) x^3 + 12 f(x) x^2 - 8 f(x) x + 144 x^2 + f(x) + 140 x - 40)$$

Sequence: A251203
Score: 5.32151
Type of gen. func.: ogf

$\{-a(n + 3) + 8 a(n + 2) - 12 a(n + 1) - 16 a(n), a(0) = 40, a(1) = 180,$

$a(2) = 816\}$

Sequence: A251203
Score: 9.31265
Type of gen. func.: ogf

$$-\frac{4 (36 x^2 + 35 x - 10)}{(4 x - 1) (4 x^2 + 4 x - 1)}$$

Sequence: A251204
Score: 4.41049
Type of gen. func.: ogf

$$-\frac{2 (2430 x^5 - 2475 x^4 - 8130 x^3 - 1321 x^2 + 997 x - 90)}{(6 x - 1) (5 x^2 + 5 x - 1) (6 x^3 - 12 x^2 - 7 x + 1)}$$

Sequence: A251212
Score: 11.3402
Type of gen. func.: ogf

$$-\frac{8 x^2 - 12 x - 9}{2 x^3 - 4 x^2 - x + 1}$$

Sequence: A251212
Score: 6.16749
Type of gen. func.: ogf

$\{a(n + 3) - a(n + 2) - 4 a(n + 1) + 2 a(n), a(0) = 9, a(1) = 21, a(2) = 49\}$

Sequence: A251212
Score: 6.22208
Type of gen. func.: ogf

$$(4 f(x) + 13) (2 f(x) x^3 - 4 f(x) x^2 - f(x) x + 8 x^2 + f(x) - 12 x - 9)$$

Sequence: A251212
Score: 6.76052
Type of gen. func.: lgdogf

$$- \frac{-16 x^4 + 48 x^3 - 2 x^2 - 56 x - 21}{-16 x^5 + 56 x^4 - 22 x^3 - 56 x^2 + 3 x + 9}$$

Sequence: A251213
Score: 7.64949
Type of gen. func.: ogf

$$- \frac{32 x^4 + 16 x^3 - 82 x^2 + 21}{4 x^5 - 12 x^3 + 4 x^2 + 3 x - 1}$$

Sequence: A251214
Score: 3.24200
Type of gen. func.: ogf

$$- (384 x^8 - 692 x^7 - 1592 x^6 + 1456 x^5 + 1424 x^4 - 694 x^3 - 457 x^2 + 93 x + 49) / (24 x^9 - 56 x^8 - 84 x^7 + 146 x^6 + 68 x^5 - 85 x^4 - 20 x^3 + 17 x^2 + 2 x - 1)$$

Sequence: A251221
Score: 10.2156
Type of gen. func.: ogf

$$-\frac{4 x^2 - 7 x - 14}{x^3 - 2 x^2 - 3 x + 1}$$

Sequence: A251221
Score: 5.23446
Type of gen. func.: ogf

$$-(743 f(x) + 1286) (f(x) x^3 - 2 f(x) x^2 - 3 f(x) x + 4 x^2 + f(x) - 7 x - 14)$$

Sequence: A251221
Score: 5.46008
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 14, a(1) = 49, a(2) = 171\}$$

Sequence: A251222
Score: 6.00906
Type of gen. func.: ogf

$$-\frac{24 x^4 - 60 x^3 - 74 x^2 + 60 x + 49}{(x - 1) (x + 1) (3 x^3 - 8 x^2 - 5 x + 1)}$$

Sequence: A251229
Score: 4.23741
Type of gen. func.: ogf

$$-(451 f(x) + 5461080) (24 f(x) x^4 - 8 f(x) x^3 - 12 f(x) x^2 + 336 x^3 + 7 f(x) x$$
$$+ 8 x^2 - f(x) - 156 x + 38)$$

Sequence: A251229
Score: 7.86945
Type of gen. func.: ogf

$$-\frac{2 (168 x^3 + 4 x^2 - 78 x + 19)}{}$$

$$(3 x - 1) (2 x - 1) (4 x^2 + 2 x - 1)$$

Sequence: A251230
Score: 3.26614
Type of gen. func.: ogf

$$- 2 (1200 x^8 + 1352 x^7 - 3268 x^6 - 1898 x^5 + 3524 x^4 - 93 x^3 - 1172 x^2 + 470 x - 55) / ((2 x - 1) (3 x - 1) (x - 1) (4 x^2 + 2 x - 1) (2 x^2 + 2 x - 1) (x^2 + x - 1))$$

Sequence: A251243
Score: 5.26565
Type of gen. func.: ogf

$$- \frac{9 (108 x^4 + 16 x^3 - 108 x^2 + 278 x - 69)}{36 x^5 + 4 x^4 - 36 x^3 + 94 x^2 - 27 x + 1}$$

Sequence: A251251
Score: 11.1881
Type of gen. func.: ogf

$$- \frac{2 (2 x^2 - 5 x - 4)}{x^3 - 3 x^2 - x + 1}$$

Sequence: A251251
Score: 5.78052
Type of gen. func.: ogf

$$-(118 f(x) + 161) (f(x) x^3 - 3 f(x) x^2 - f(x) x + 4 x^2 + f(x) - 10 x - 8)$$

Sequence: A251251
Score: 6.08477
Type of gen. func.: ogf

$\{a(n + 3) - a(n + 2) - 3 a(n + 1) + a(n), a(0) = 8, a(1) = 18, a(2) = 38\}$

Sequence: A251251
Score: 6.93664
Type of gen. func.: lgdogf

$$- \frac{-2 x^4 + 10 x^3 - 5 x^2 - 20 x - 9}{-2 x^5 + 11 x^4 - 9 x^3 - 19 x^2 + x + 4}$$

Sequence: A251252
Score: 6.89760
Type of gen. func.: ogf

$$- \frac{2 (12 x^4 + 12 x^3 - 45 x^2 + x + 9)}{3 x^5 + 3 x^4 - 14 x^3 + 4 x^2 + 3 x - 1}$$

Sequence: A251253
Score: 4.92556
Type of gen. func.: ogf

$$- \frac{2 (71 x^5 + 72 x^4 - 189 x^3 - 90 x^2 + 56 x + 19)}{10 x^6 + 8 x^5 - 32 x^4 - 7 x^3 + 13 x^2 + x - 1}$$

Sequence: A251260
Score: 7.75338
Type of gen. func.: ogf

$$\frac{x^3 + x^2 + 2 x + 1}{(x^2 + 1) (x^2 + x + 1) (x + 1)^3 (x - 1)^4}$$

Sequence: A251262
Score: 3.7442
Type of gen. func.: ogf

$$-(111607735 f(x) + 375720664) (2 f(x) x^4 - 5 f(x) x^3 - 2 f(x) x^2 + 16 x^3 + 5 f(x) x - 38 x^2 - f(x) - 16 x + 26)$$

Sequence: A251262
Score: 7.44216
Type of gen. func.: ogf

$$-\frac{2 (8 x^3 - 19 x^2 - 8 x + 13)}{2 x^4 - 5 x^3 - 2 x^2 + 5 x - 1}$$

Sequence: A251269
Score: 6.68957
Type of gen. func.: ogf

$$-\frac{16 x^4 - 70 x^3 + 119 x^2 - 96 x + 35}{(2 x - 1) (x - 1)^4}$$

Sequence: A251270
Score: 3.75240
Type of gen. func.: ogf

$$-\frac{32 x^7 - 238 x^6 + 769 x^5 - 1407 x^4 + 1589 x^3 - 1127 x^2 + 492 x - 108}{(2 x - 1) (x - 1)^7}$$

Sequence: A251276
Score: 4.97844
Type of gen. func.: ogf

$$(5033 f(x) + 174122) (26 f(x) x^2 - 16 f(x) x + f(x) + 416 x - 230)$$

Sequence: A251276
Score: 5.53781

Type of gen. func.: ogf

$$\{-a(n+2)+16\,a(n+1)-26\,a(n),\ a(0)=230,\ a(1)=3264\}$$

Sequence: A251276
Score: 5.86744
Type of gen. func.: lgdogf

$$-\frac{-5408x^2+5980x-1632}{-5408x^3+6318x^2-2048x+115}$$

Sequence: A251276
Score: 9.66402
Type of gen. func.: ogf

$$-\frac{2(208x-115)}{26x^2-16x+1}$$

Sequence: A251277
Score: 5.15555
Type of gen. func.: ogf

$$-\frac{64(1152x^3+246x^2-179x+51)}{1152x^4+228x^3-182x^2+54x-1}$$

Sequence: A251285
Score: 4.65566
Type of gen. func.: ogf

$$(801 f(x)+1628)\,(f(x)x^4-3f(x)x^3+2f(x)x^2+4x^3+2f(x)x-10x^2-f(x)+4x+9)$$

Sequence: A251285
Score: 8.53538
Type of gen. func.: ogf

$$-\frac{4 x^3 - 10 x^2 + 4 x + 9}{x^4 - 3 x^3 + 2 x^2 + 2 x - 1}$$

Sequence: A251286
Score: 6.20619
Type of gen. func.: ogf

$$-\frac{x^5 + 51 x^4 - 36 x^3 - 77 x^2 + 27 x + 22}{7 x^5 - 7 x^4 - 9 x^3 + 7 x^2 + 2 x - 1}$$

Sequence: A251293
Score: 4.30513
Type of gen. func.: ogf

$(5078109 f(x) - 50018080)$

$(20 f(x) x^3 + 21 f(x) x^2 - 10 f(x) x + 320 x^2 + f(x) + 396 x - 84)$

Sequence: A251293
Score: 4.69650
Type of gen. func.: ogf

$\{-a(n + 3) + 10 a(n + 2) - 21 a(n + 1) - 20 a(n), a(0) = 84, a(1) = 444,$

$a(2) = 2356\}$

Sequence: A251293
Score: 8.23590
Type of gen. func.: ogf

$$-\frac{4 (80 x^2 + 99 x - 21)}{(5 x - 1) (4 x^2 + 5 x - 1)}$$

Sequence: A251294
Score: 3.34834
Type of gen. func.: ogf

$$-\frac{4\,(13440\,x^6 - 9662\,x^5 - 56458\,x^4 - 14568\,x^3 + 13299\,x^2 - 2212\,x + 111)}{(6\,x - 1)\,(7\,x - 1)\,(5\,x^2 + 6\,x - 1)\,(4\,x^3 - 7\,x^2 - 8\,x + 1)}$$

Sequence: A251301
Score: 3.59687
Type of gen. func.: ogf

$$-\frac{16\,x^6 - 175\,x^5 + 757\,x^4 - 1616\,x^3 + 1752\,x^2 - 844\,x + 196}{x^7 - 11\,x^6 + 48\,x^5 - 104\,x^4 + 116\,x^3 - 60\,x^2 + 16\,x - 1}$$

Sequence: A251310
Score: 4.8277
Type of gen. func.: ogf

$$(179\,f(x) + 585)\,($$

$$f(x)\,x^4 - 2\,f(x)\,x^3 + 2\,f(x)\,x^2 + 4\,x^3 - 3\,f(x)\,x - 6\,x^2 + f(x) + 5\,x - 10)$$

Sequence: A251310
Score: 8.78891
Type of gen. func.: ogf

$$-\frac{4\,x^3 - 6\,x^2 + 5\,x - 10}{x^4 - 2\,x^3 + 2\,x^2 - 3\,x + 1}$$

Sequence: A251311
Score: 5.62270
Type of gen. func.: ogf

$$-\frac{15\,x^5 - 39\,x^4 + 84\,x^3 - 68\,x^2 + 46\,x - 25}{2\,x^6 - 6\,x^5 + 13\,x^4 - 13\,x^3 + 9\,x^2 - 5\,x + 1}$$

Sequence: A251319
Score: 10.3835
Type of gen. func.: ogf

$$-\frac{2\,(4\,x^2 - 4\,x - 5)}{2\,x^3 - 3\,x^2 - 2\,x + 1}$$

Sequence: A251319
Score: 5.36479
Type of gen. func.: ogf

$$-(155\,f(x) + 464)\,(2\,f(x)\,x^3 - 3\,f(x)\,x^2 - 2\,f(x)\,x + 8\,x^2 + f(x) - 8\,x - 10)$$

Sequence: A251319
Score: 5.59805
Type of gen. func.: ogf

{-a(n + 3) + 2 a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 10, a(1) = 28, a(2) = 78}

Sequence: A251320
Score: 6.05797
Type of gen. func.: ogf

$$-\frac{2\,(8\,x^4 - 2\,x^3 - 49\,x^2 + 16\,x + 14)}{(x^2 - 2\,x - 1)\,(2\,x^3 + 3\,x^2 - 5\,x + 1)}$$

Sequence: A251328
Score: 4.8618
Type of gen. func.: ogf

$$(618469\,f(x) - 3097692)$$

$$(12\,f(x)\,x^3 + 13\,f(x)\,x^2 - 8\,f(x)\,x + 108\,x^2 + f(x) + 141\,x - 39)$$

Sequence: A251328
Score: 5.27034
Type of gen. func.: ogf

$\{-a(n + 3) + 8 a(n + 2) - 13 a(n + 1) - 12 a(n), a(0) = 39, a(1) = 171,$

$a(2) = 753\}$

Sequence: A251328
Score: 9.22310
Type of gen. func.: ogf

$$-\frac{3 (36 x^2 + 47 x - 13)}{(4 x - 1) (3 x^2 + 4 x - 1)}$$

Sequence: A251329
Score: 4.34642
Type of gen. func.: ogf

$$-\frac{1944 x^5 - 846 x^4 - 9033 x^3 - 4081 x^2 + 1963 x - 171}{(6 x - 1) (x + 1) (3 x^2 - 8 x + 1) (4 x^2 + 5 x - 1)}$$

Sequence: A251336
Score: 4.41666
Type of gen. func.: ogf

$(100357 f(x) - 1176915)$

$(25 f(x) x^3 + 20 f(x) x^2 - 10 f(x) x + 400 x^2 + f(x) + 395 x - 85)$

Sequence: A251336
Score: 4.74517
Type of gen. func.: ogf

$\{-a(n + 3) + 10 a(n + 2) - 20 a(n + 1) - 25 a(n), a(0) = 85, a(1) = 455,$

$a(2) = 2450\}$

Sequence: A251336
Score: 8.32125
Type of gen. func.: ogf

$$-\frac{5\,(80\,x^2+79\,x-17)}{(5\,x-1)\,(5\,x^2+5\,x-1)}$$

Sequence: A251337
Score: 3.28585
Type of gen. func.: ogf

$$-\frac{112896\,x^6-131964\,x^5-354270\,x^4-12684\,x^3+49869\,x^2-8970\,x+455}{(6\,x-1)\,(7\,x-1)\,(6\,x^2+6\,x-1)\,(7\,x^3-14\,x^2-8\,x+1)}$$

Sequence: A251344
Score: 4.72535
Type of gen. func.: ogf

$(60061\,f(x)-615996)$

$(12\,f(x)\,x^3-3\,f(x)\,x^2-6\,f(x)\,x+108\,x^2+f(x)-3\,x-51)$

Sequence: A251344
Score: 4.92390
Type of gen. func.: ogf

$\{-a(n+3)+6\,a(n+2)+3\,a(n+1)-12\,a(n),\ a(0)=51,\ a(1)=309,$

$a(2)=1899\}$

Sequence: A251344
Score: 9.01452
Type of gen. func.: ogf

$$-\frac{3\,(36\,x^2-x-17)}{12\,x^3-3\,x^2-6\,x+1}$$

Sequence: A251366
Score: 11.4534
Type of gen. func.: ogf

$$-\frac{63 x + 79}{7 x^2 + 8 x - 1}$$

Sequence: A251366
Score: 5.72671
Type of gen. func.: ogf

$$(6666 f(x) - 43589) (7 f(x) x^2 + 8 f(x) x - f(x) + 63 x + 79)$$

Sequence: A251366
Score: 6.33306
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) - 7 a(n), a(0) = 79, a(1) = 695\}$$

Sequence: A251366
Score: 6.81405
Type of gen. func.: lgdogf

$$-\frac{-441 x^2 - 1106 x - 695}{-441 x^3 - 1057 x^2 - 569 x + 79}$$

Sequence: A251367
Score: 3.24807
Type of gen. func.: ogf

$$-(1240659739500797 f(x) + 18789169214511106)$$
$$(34 f(x) x^3 - 49 f(x) x^2 - 24 f(x) x + 918 x^2 + f(x) - 1289 x - 695)$$

Sequence: A251367
Score: 4.02143
Type of gen. func.: ogf

$$\{-a(n + 3) + 24 a(n + 2) + 49 a(n + 1) - 34 a(n), a(0) = 695, a(1) = 17969,$$
$$a(2) = 464393\}$$

Sequence: A251367
Score: 7.13662
Type of gen. func.: ogf

$$-\frac{918 x^2 - 1289 x - 695}{34 x^3 - 49 x^2 - 24 x + 1}$$

Sequence: A251368
Score: 3.77706
Type of gen. func.: ogf

$$-\frac{298890 x^4 - 505071 x^3 + 47269 x^2 + 60935 x + 6113}{3690 x^5 - 6281 x^4 + 660 x^3 + 746 x^2 + 66 x - 1}$$

Sequence: A251374
Score: 3.27697
Type of gen. func.: ogf

$$(453505787 f(x) - 12727259232) (24 f(x) x^4 - 66 f(x) x^3 - 3 f(x) x^2 + 384 x^3 + 10 f(x) x - 984 x^2 - f(x) - 192 x + 124)$$

Sequence: A251374
Score: 6.18155
Type of gen. func.: ogf

$$-\frac{4 (96 x^3 - 246 x^2 - 48 x + 31)}{24 x^4 - 66 x^3 - 3 x^2 + 10 x - 1}$$

Sequence: A251383
Score: 4.40125
Type of gen. func.: ogf

$-(53919301 f(x) + 475573554)$

$$(6 f(x) x^3 - f(x) x^2 - 8 f(x) x + 54 x^2 + f(x) - 3 x - 71)$$

Sequence: A251383
Score: 4.92342
Type of gen. func.: ogf

$\{-a(n + 3) + 8 a(n + 2) + a(n + 1) - 6 a(n), a(0) = 71, a(1) = 571, a(2) = 4585$

$\}$

Sequence: A251383
Score: 9.22165
Type of gen. func.: ogf

$$-\frac{54 x^2 - 3 x - 71}{6 x^3 - x^2 - 8 x + 1}$$

Sequence: A251384
Score: 4.29980
Type of gen. func.: ogf

$$-\frac{864 x^5 - 1912 x^4 - 1846 x^3 + 3127 x^2 + 676 x - 571}{32 x^6 - 72 x^5 - 66 x^4 + 119 x^3 + 21 x^2 - 23 x + 1}$$

Sequence: A251403
Score: 5.70884
Type of gen. func.: ogf

$$-\frac{2 (54 x^4 - 222 x^3 - 106 x^2 + 73 x + 23)}{12 x^5 - 52 x^4 - 14 x^3 + 21 x^2 + 2 x - 1}$$

Sequence: A251418
Score: 8.67296
Type of gen. func.: ogf

8 7 2

$$\frac{3 x - 3 x - x - 2 x + 2}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A251420
Score: 5.15607
Type of gen. func.: ogf

$$-(7286 f(x) - 9721)$$

$$(f(x) x^4 - f(x) x^3 + 3 x^4 + x^3 + f(x) x + 5 x^2 - f(x) - 2 x + 2)$$

Sequence: A251420
Score: 9.17378
Type of gen. func.: ogf

$$- \frac{3 x^4 + x^3 + 5 x^2 - 2 x + 2}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A251421
Score: 11.5759
Type of gen. func.: ogf

$$- \frac{2 (8 x^2 - 4 x - 1)}{(2 x - 1) (2 x^2 - 1)}$$

Sequence: A251421
Score: 5.93143
Type of gen. func.: ogf

$$-(109 f(x) + 1420) (4 f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + 16 x^2 + f(x) - 8 x - 2)$$

Sequence: A251421
Score: 6.29565
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + 4 a(n), a(0) = 2, a(1) = 12, a(2) = 12\}$$

Sequence: A251421
Score: 6.90100
Type of gen. func.: lgdogf

$$-\frac{-32 x^4 + 32 x^3 - 12 x^2 + 12 x - 6}{-32 x^5 + 32 x^4 + 12 x^3 - 18 x^2 + 2 x + 1}$$

Sequence: A251429
Score: 4.18226
Type of gen. func.: ogf

$$-(x^{10} - x^9 - 27 x^8 - 55 x^7 - 98 x^6 - 114 x^5 - 125 x^4 - 97 x^3 - 75 x^2 - 29 x - 12) \Big/ ((x + 1) (x^2 + 1) (x^2 + x + 1)^2 (x - 1)^4)$$

Sequence: A251444
Score: 4.72126
Type of gen. func.: ogf

$$-\frac{36 x^5 + 57 x^4 - 35 x^3 - 107 x^2 + 5 x + 45}{(x - 1) (4 x^5 + 9 x^4 + 3 x^3 - 8 x^2 - 4 x + 1)}$$

Sequence: A251452
Score: 3.74815
Type of gen. func.: ogf

$$-\frac{2 (3456 x^6 + 8880 x^5 + 1694 x^4 - 3379 x^3 - 792 x^2 + 314 x + 57)}{432 x^7 + 1092 x^6 + 76 x^5 - 470 x^4 - 46 x^3 + 55 x^2 + 2 x - 1}$$

Sequence: A251484
Score: 5.0845
Type of gen. func.: ogf

$$(1433 f(x) + 35060) (20 f(x) x^{2} - 16 f(x) x + f(x) + 320 x - 236)$$

Sequence: A251484
Score: 5.59866
Type of gen. func.: ogf

$$\{-a(n + 2) + 16 a(n + 1) - 20 a(n), a(0) = 236, a(1) = 3456\}$$

Sequence: A251484
Score: 6.07660
Type of gen. func.: lgdogf

$$-\frac{-1600 x^{2} + 2360 x - 864}{-1600 x^{3} + 2460 x^{2} - 1024 x + 59}$$

Sequence: A251484
Score: 9.77022
Type of gen. func.: ogf

$$-\frac{4 (80 x - 59)}{20 x^{2} - 16 x + 1}$$

Sequence: A251492
Score: 3.27977
Type of gen. func.: ogf

$$(50699555 f(x) - 1361568036) (48 f(x) x^{4} - 52 f(x) x^{3} - 5 f(x) x^{2} + 768 x^{3} + 13 f(x) x - 736 x^{2} - f(x) - 148 x + 186)$$

Sequence: A251492
Score: 6.11230
Type of gen. func.: ogf

$$-\frac{2 (384 x^{3} - 368 x^{2} - 74 x + 93)}{{}^{4}\qquad{}^{3}\qquad{}^{2}}$$

$$48 x - 52 x - 5 x + 13 x - 1$$

Sequence: A251500
Score: 3.04238
Type of gen. func.: ogf

$$(5076171 f(x) - 74497792) (24 f(x) x^4 + 18 f(x) x^3 - 21 f(x) x^2 + 384 x^3 - 13 f(x) x + 312 x^2 + f(x) - 312 x - 226)$$

Sequence: A251500
Score: 5.53781
Type of gen. func.: ogf

$$-\frac{2 (192 x^3 + 156 x^2 - 156 x - 113)}{24 x^4 + 18 x^3 - 21 x^2 - 13 x + 1}$$

Sequence: A251517
Score: 3.59784
Type of gen. func.: ogf

$$-(185481844 f(x) + 2977243235) (20 f(x) x^3 - 8 f(x) x^2 - 15 f(x) x + 320 x^2 + f(x) - 108 x - 246)$$

Sequence: A251517
Score: 4.09510
Type of gen. func.: ogf

$$\{-a(n + 3) + 15 a(n + 2) + 8 a(n + 1) - 20 a(n), a(0) = 246, a(1) = 3798, a(2) = 58618\}$$

Sequence: A251517
Score: 7.29996
Type of gen. func.: ogf

$$-\frac{2 (160 x^2 - 54 x - 123)}{}$$

$$20 x^3 - 8 x^2 - 15 x + 1$$

Sequence: A251537
Score: 5.11450
Type of gen. func.: ogf

$$(x + 1) (3 x^{10} + 5 x^9 + 3 x^8 + 3 x^7 + 5 x^6 + 3 x^5 + 5 x^4 + 3 x^3 + 5 x^2 + 3 x + 5) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A251538
Score: 6.16476
Type of gen. func.: ogf

$$(2 x^{11} + 4 x^{10} + 4 x^9 + 3 x^8 + 4 x^7 + 4 x^6 + 4 x^5 + 4 x^4 + 4 x^3 + 4 x^2 + 4 x + 2) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A251568
Score: 11.3361
Type of gen. func.: lgdegf]

$$\frac{4}{(1 - 4 x)^{1/2} (1 + (1 - 4 x)^{1/2})^2}$$

Sequence: A251599
Score: 8.16616
Type of gen. func.: ogf

$$- \frac{(x^2 + 1) (x^4 - x^3 + x + 1)}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A251601

Score: 4.52486
Type of gen. func.: ogf

$$(427275936 f(x) + 51057115)$$

$$(f(x) x^3 - 35 f(x) x^2 + 35 f(x) x - 5 x^2 - f(x) + 13 x)$$

Sequence: A251601
Score: 4.87593
Type of gen. func.: ogf

{-a(n + 3) + 35 a(n + 2) - 35 a(n + 1) + a(n), a(0) = 0, a(1) = 13, a(2) = 450}

Sequence: A251601
Score: 6.01711
Type of gen. func.: lgdogf

$$- \frac{10 x^3 - 214 x^2 + 910 x - 450}{5 x^4 - 188 x^3 + 630 x^2 - 460 x + 13}$$

Sequence: A251601
Score: 9.42680
Type of gen. func.: ogf

$$\frac{x (5 x - 13)}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A251602
Score: 10.3147
Type of gen. func.: ogf

$$- \frac{7 x^2 - 16 x + 1}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A251602
Score: 5.28111
Type of gen. func.: ogf

$(2966312 f(x) - 507257)$

$$(f(x) x^3 - 35 f(x) x^2 + 35 f(x) x + 7 x^2 - f(x) - 16 x + 1)$$

Sequence: A251602
Score: 5.64221
Type of gen. func.: ogf

$\{-a(n + 3) + 35 a(n + 2) - 35 a(n + 1) + a(n), a(0) = 1, a(1) = 19, a(2) = 637\}$

Sequence: A251602
Score: 6.11239
Type of gen. func.: lgdogf

$$- \frac{-7 x^4 + 32 x^3 - 318 x^2 + 56 x - 19}{-7 x^5 + 261 x^4 - 806 x^3 + 602 x^2 - 51 x + 1}$$

Sequence: A251610
Score: 8.82543
Type of gen. func.: ogf

$$\frac{x^4 + 2 x^3 - 2 x^2 + 2 x + 1}{(x - 1)^2 (x^2 + 1)^2}$$

Sequence: A251619
Score: 5.19674
Type of gen. func.: ogf

$$(x^{25} - x^{24} + x^{23} - x^{22} + x^{19} - x^{18} + x^{13} - x^{12} + x^{10} - x^8 + x^7 - x^5 + x^3 - x$$

$$- 2)/(x - 1)$$

Sequence: A251624
Score: 4.20527
Type of gen. func.: ogf

$\{-a(n + 3) + 2703 a(n + 2) - 2703 a(n + 1) + a(n), a(0) = 278, a(1) = 752958,$

$a(2) = 2034494038\}$

Sequence: A251624
Score: 7.82647
Type of gen. func.: ogf

$$\frac{2 (x^2 - 762 x - 139)}{(x - 1) (x^2 - 2702 x + 1)}$$

Sequence: A251625
Score: 4.22741
Type of gen. func.: ogf

$\{-a(n + 3) + 2703 a(n + 2) - 2703 a(n + 1) + a(n), a(0) = 483, a(1) = 1304163,$

$a(2) = 3523847043\}$

Sequence: A251625
Score: 7.92639
Type of gen. func.: ogf

$$- \frac{3 (x^2 - 462 x + 161)}{(x - 1) (x^2 - 2702 x + 1)}$$

Sequence: A251648
Score: 3.31365
Type of gen. func.: ogf

$$- 2 (416 x^{10} - 1040 x^9 - 942 x^8 - 764 x^7 + 14670 x^6 - 15713 x^5 - 14050 x^4 + 16876 x^3 + 1053 x^2 - 132 x - 624) \Big/ ((x - 1) (x + 1) (x^2 - 3 x + 1) (26 x^3 - 1))$$

Sequence: A251653

Score: 3.45234
Type of gen. func.: ogf

$$-f(x) x^5 - f(x) x^4 - f(x) x^3 + x^4 - f(x) x^2 + x^3 - f(x) x - x^2 + f(x)$$

Sequence: A251653
Score: 5.40191
Type of gen. func.: ogf

$$\frac{x^2 (x^2 + x - 1)}{x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A251654
Score: 11.3570
Type of gen. func.: ogf

$$\frac{x (2 x^2 - 1)}{x^4 + x^3 + x^2 + x - 1}$$

Sequence: A251654
Score: 5.63515
Type of gen. func.: ogf

$$-(11 f(x) - 15) (f(x) x^4 + f(x) x^3 + f(x) x^2 - 2 x^3 + f(x) x - f(x) + x)$$

Sequence: A251655
Score: 11.9083
Type of gen. func.: ogf

$$\frac{x (x - 1) (x + 1)}{x^4 + x^3 + x^2 + x - 1}$$

Sequence: A251655
Score: 6.00031
Type of gen. func.: ogf

$$-(8 f(x) - 1) (f(x) x^4 + f(x) x^3 + f(x) x^2 - x^3 + f(x) x - f(x) + x)$$

Sequence: A251655
Score: 8.41348
Type of gen. func.: lgdogf

$$- \frac{-2 x^5 - x^4 + 4 x^3 + 4 x^2 + 1}{-x^6 - x^5 + 2 x^2 + x - 1}$$

Sequence: A251656
Score: 10.6986
Type of gen. func.: ogf

$$\frac{2 x^3 + x - 1}{x^4 + x^3 + x^2 + x - 1}$$

Sequence: A251656
Score: 5.46818
Type of gen. func.: ogf

$$-(26 f(x) - 29) (f(x) x^4 + f(x) x^3 + f(x) x^2 - 2 x^3 + f(x) x - f(x) - x + 1)$$

Sequence: A251672
Score: 7.70648
Type of gen. func.: ogf

$$\frac{x^6 (x - 1)}{x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A251672
Score: 7.78354
Type of gen. func.: lgdogf

8 7 6 5 4 3 2

$$-\frac{-7x + 2x + 2x + 2x + 2x + 2x + 2x + 2x}{-x^9 + 2x - 1}$$

Sequence: A251687
Score: 8.32340
Type of gen. func.: ogf

$$\frac{(x + 1) (4 x^3 + 1) (4 x^4 - 3 x^2 + 1)}{(2 x^2 - 1)^2}$$

Sequence: A251688
Score: 7.01521
Type of gen. func.: ogf

$$\frac{(x + 1) (4 x^2 + 1) (9 x^2 + 1) (36 x^3 + 1)}{(6 x^2 - 1)^2}$$

Sequence: A251689
Score: 8.49458
Type of gen. func.: ogf

$$\frac{(4 x + 1) (x + 1) (x^2 + 1) (x^2 - x + 1) (4 x^2 + 1)}{(2 x^2 - 1)^2}$$

Sequence: A251701
Score: 5.22971
Type of gen. func.: ogf

$$-(79 f(x) - 4) ($$

$$3 f(x) x^4 - 10 f(x) x^3 + 12 f(x) x^2 + 4 x^3 - 6 f(x) x - x^2 + f(x) + 2 x - 1$$

$$)$$

Sequence: A251701

Score: 7.31143
Type of gen. func.: lgdogf

$$-\frac{-12x^4-18x^3-4x^2+14x-4}{-12x^5+19x^4-14x^3+12x^2-6x+1}$$

Sequence: A251701
Score: 9.53262
Type of gen. func.: ogf

$$-\frac{4x^3-x^2+2x-1}{(3x-1)(x-1)^3}$$

Sequence: A251703
Score: 5.23348
Type of gen. func.: ogf

$$-(19f(x)-31)(f(x)x^4+f(x)x^3+f(x)x^2-2x^3+f(x)x-2x^2-f(x)+1)$$

Sequence: A251703
Score: 9.96514
Type of gen. func.: ogf

$$\frac{2x^3+2x^2-1}{x^4+x^3+x^2+x-1}$$

Sequence: A251704
Score: 10.3578
Type of gen. func.: ogf

$$\frac{(x+1)(x^2+x-1)}{x^4+x^3+x^2+x-1}$$

Sequence: A251704
Score: 5.60091
Type of gen. func.: ogf

$$(75 f(x) + 11) (f(x) x^4 + f(x) x^3 + f(x) x^2 - x^3 + f(x) x - 2 x^2 - f(x) + 1)$$

Sequence: A251705
Score: 10.3578
Type of gen. func.: ogf

$$\frac{3 x^3 + x^2 - 1}{x^4 + x^3 + x^2 + x - 1}$$

Sequence: A251705
Score: 5.47915
Type of gen. func.: ogf

$$(497 f(x) - 1000) (f(x) x^4 + f(x) x^3 + f(x) x^2 - 3 x^3 + f(x) x - x^2 - f(x) + 1)$$

Sequence: A251706
Score: 9.35286
Type of gen. func.: ogf

$$\frac{x^4 (x - 1)}{x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A251706
Score: 9.46420
Type of gen. func.: lgdogf

$$- \frac{-5 x^6 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x}{-x^7 + 2 x - 1}$$

Sequence: A251707
Score: 8.54831

Type of gen. func.: ogf

$$\frac{x^3 (x^2 + x - 1)}{x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A251708
Score: 7.83494
Type of gen. func.: ogf

$$\frac{x^2 (x^3 + x^2 + x - 1)}{x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A251709
Score: 7.46669
Type of gen. func.: ogf

$$\frac{x (x^4 + x^3 + x^2 + x - 1)}{x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A251710
Score: 8.64705
Type of gen. func.: ogf

$$\frac{x^5 (x - 1)}{x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A251710
Score: 8.74104
Type of gen. func.: lgdogf

$$- \frac{-6 x^7 + 2 x^6 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x}{-x^8 + 2 x - 1}$$

Sequence: A251711
Score: 7.96214
Type of gen. func.: ogf

$$\frac{x^4 (x^2 + x - 1)}{x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A251712
Score: 7.37776
Type of gen. func.: ogf

$$\frac{x^3 (x^3 + x^2 + x - 1)}{x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A251713
Score: 6.87330
Type of gen. func.: ogf

$$\frac{x^2 (x^4 + x^3 + x^2 + x - 1)}{x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A251714
Score: 6.55462
Type of gen. func.: ogf

$$\frac{x (x^5 + x^4 + x^3 + x^2 + x - 1)}{x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A251730
Score: 11.6131
Type of gen. func.: ogf

$$- \frac{2 (x + 5)}{(x - 1) (x^2 - 14 x + 1)}$$

Sequence: A251730
Score: 5.41944
Type of gen. func.: ogf

$$\{a(n + 3) - 15 a(n + 2) + 15 a(n + 1) - a(n), a(0) = 10, a(1) = 152, a(2) = 2130\}$$

Sequence: A251730
Score: 5.41945
Type of gen. func.: ogf

$$(262828488 f(x) - 8372525) (f(x) x^3 - 15 f(x) x^2 + 15 f(x) x - f(x) + 2 x + 10)$$

Sequence: A251730
Score: 8.33760
Type of gen. func.: lgdogf

$$- \frac{-2 x^3 + 150 x - 76}{-x^4 + 10 x^3 + 60 x^2 - 74 x + 5}$$

Sequence: A251732
Score: 10.5649
Type of gen. func.: lgdogf

$$- \frac{-27 x^2 - 18 x + 3}{-27 x^3 + 9 x^2 + 9 x + 1}$$

Sequence: A251732
Score: 15.7300
Type of gen. func.: ogf

$$- \frac{3 x + 1}{9 x^2 - 6 x - 1}$$

Sequence: A251732
Score: 7.86499
Type of gen. func.: ogf

$$-(10 f(x) - 9) (9 f(x) x^2 - 6 f(x) x - f(x) + 3 x + 1)$$

Sequence: A251732
Score: 8.63229
Type of gen. func.: ogf

$$\{a(n + 2) + 6 a(n + 1) - 9 a(n), a(0) = 1, a(1) = -3\}$$

Sequence: A251733
Score: 11.7879
Type of gen. func.: ogf

$$9 f(x) x^2 - 6 f(x) x - f(x) + 3 x$$

Sequence: A251733
Score: 14.1936
Type of gen. func.: lgdogf

$$-\frac{18 x - 6}{9 x^2 - 6 x - 1}$$

Sequence: A251733
Score: 18.7969
Type of gen. func.: ogf

$$-\frac{3 x}{9 x^2 - 6 x - 1}$$

Sequence: A251733
Score: 8.58622
Type of gen. func.: ogf

{a(n + 2) + 6 a(n + 1) - 9 a(n), a(0) = 0, a(1) = 3}

Sequence: A251740
Score: 7.14086
Type of gen. func.: ogf

$$\frac{x^5 (x^2 + x - 1)}{x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A251741
Score: 6.55801
Type of gen. func.: ogf

$$\frac{x^4 (x^3 + x^2 + x - 1)}{x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A251742
Score: 6.13830
Type of gen. func.: ogf

$$\frac{x^3 (x^4 + x^3 + x^2 + x - 1)}{x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A251743
Score: 16.3571
Type of gen. func.: ogf

$$\frac{8 x - 3}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A251743
Score: 7.68074
Type of gen. func.: ogf

{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 8 a(n), a(0) = 3, a(1) = 13, a(2) = 49}

Sequence: A251743
Score: 7.74811
Type of gen. func.: ogf

$$-(1139 f(x) - 2824) (8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x - f(x) - 8 x + 3)$$

Sequence: A251743
Score: 9.70643
Type of gen. func.: lgdogf

$$-\frac{128 x^3 - 184 x^2 + 84 x - 13}{64 x^4 - 136 x^3 + 98 x^2 - 29 x + 3}$$

Sequence: A251744
Score: 5.76908
Type of gen. func.: ogf

$$\frac{x^2 (x^5 + x^4 + x^3 + x^2 + x - 1)}{x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A251745
Score: 5.85497
Type of gen. func.: ogf

$$\frac{x (x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)}{x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A251746
Score: 7.22272
Type of gen. func.: ogf

$$\frac{x^7 (x - 1)}{x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A251747
Score: 6.72886
Type of gen. func.: ogf

$$\frac{x^6 (x^2 + x - 1)}{x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A251748
Score: 6.29822
Type of gen. func.: ogf

$$\frac{x^5 (x^3 + x^2 + x - 1)}{x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A251749
Score: 5.89145
Type of gen. func.: ogf

$$\frac{x^4 (x^4 + x^3 + x^2 + x - 1)}{x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A251750
Score: 5.50451
Type of gen. func.: ogf

$$\frac{x^3 (x^5 + x^4 + x^3 + x^2 + x - 1)}{x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A251751
Score: 5.20897
Type of gen. func.: ogf

2   6   5   4   3   2

$$\frac{x\ (x + x + x + x + x + x - 1)}{x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x - 1}$$

Sequence: A251752
Score: 4.99997
Type of gen. func.: ogf

$$\frac{x\,(x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x - 1)}{x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x - 1}$$

Sequence: A251754
Score: 9.63763
Type of gen. func.: ogf

$$-\frac{9\,x^{8} + 8\,x^{7} + 3\,x^{6} + 6\,x^{5} + 2\,x^{4} + 3\,x^{3} + 3\,x^{2} + 5\,x + 3}{(x - 1)\,(x^{2} + x + 1)\,(x^{6} + x^{3} + 1)}$$

Sequence: A251755
Score: 9.76871
Type of gen. func.: ogf

$$-\frac{x\,(9\,x^{8} + 9\,x^{7} + 2\,x^{6} + 6\,x^{5} + 3\,x^{4} + 2\,x^{3} + 3\,x^{2} + 6\,x + 2)}{(x - 1)\,(x^{2} + x + 1)\,(x^{6} + x^{3} + 1)}$$

Sequence: A251759
Score: 6.74681
Type of gen. func.: ogf

$$\frac{x^{8}\,(x - 1)}{x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x - 1}$$

Sequence: A251760
Score: 6.31844

Type of gen. func.: ogf

$$\frac{x^{7}\,(x^{2}+x-1)}{x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x-1}$$

Sequence: A251761
Score: 5.94122
Type of gen. func.: ogf

$$\frac{x^{6}\,(x^{3}+x^{2}+x-1)}{x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x-1}$$

Sequence: A251762
Score: 5.60651
Type of gen. func.: ogf

$$\frac{x^{5}\,(x^{4}+x^{3}+x^{2}+x-1)}{x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x-1}$$

Sequence: A251763
Score: 5.28257
Type of gen. func.: ogf

$$\frac{x^{4}\,(x^{5}+x^{4}+x^{3}+x^{2}+x-1)}{x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x-1}$$

Sequence: A251764
Score: 4.96779
Type of gen. func.: ogf

$$\frac{x^{3}\,(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x-1)}{x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x-1}$$

Sequence: A251765
Score: 4.72838
Type of gen. func.: ogf

$$\frac{x^2 (x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)}{x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A251766
Score: 4.55116
Type of gen. func.: ogf

$$\frac{x (x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)}{x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A251769
Score: 6.23833
Type of gen. func.: ogf

$$\frac{x^4 + 6 x^3 - 776 x^2 - 222 x - 17}{(x - 1) (x^2 + 38 x + 1) (x^2 - 38 x + 1)}$$

Sequence: A251770
Score: 5.86278
Type of gen. func.: ogf

$$- \frac{9 (x^3 + 117 x^2 + 39 x + 3)}{(x - 1) (x^2 + 38 x + 1) (x^2 - 38 x + 1)}$$

Sequence: A251772
Score: 3.50622
Type of gen. func.: ogf

$$- 2 (4788 x^9 - 2592 x^8 - 864 x^7 + 4323 x^6 - 2610 x^5 - 1620 x^4 - 2566 x^3$$

```
            2                  /              3          6       3
```

$$+ 630 x + 336 x + 235) \;/\; ((x - 1) (4 x - 1) (9 x + 12 x - 1))$$
/

Sequence: A251780
Score: 10.5710
Type of gen. func.: ogf

$$-\frac{9 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 6 x^4 + 7 x^3 + 3 x^2 + 6 x + 1}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A251793
Score: 6.86118
Type of gen. func.: ogf

$$-\frac{2 x (3 x^3 + 11 x^2 + 33 x + 1)}{(x - 1) (x^2 - 10 x + 1) (x^2 + 10 x + 1)}$$

Sequence: A251861
Score: 11.8386
Type of gen. func.: ogf

$$676 f(x) x^3 - 26 f(x) x^2 - 26 f(x) x + f(x) - 650 x$$

Sequence: A251861
Score: 13.4603
Type of gen. func.: lgdogf

$$-\frac{2028 x^2 - 52 x - 26}{676 x^3 - 26 x^2 - 26 x + 1}$$

Sequence: A251861
Score: 19.2666
Type of gen. func.: ogf

$$\frac{650 x}{}$$

$$(26 x - 1) (26 x^2 - 1)$$

Sequence: A251861
Score: 8.12065
Type of gen. func.: ogf

$\{-a(n + 3) + 26 a(n + 2) + 26 a(n + 1) - 676 a(n), a(0) = 0, a(1) = 650,$

$a(2) = 16900\}$

Sequence: A251863
Score: 5.83843
Type of gen. func.: ogf

$$\frac{x^4 + 25 x^3 - 647 x^2 - 145 x - 2}{(x - 1) (x^2 - 34 x + 1) (x^2 + 34 x + 1)}$$

Sequence: A251864
Score: 6.35385
Type of gen. func.: ogf

$$- \frac{35 x^3 + 717 x^2 + 205 x + 3}{(x - 1) (x^2 - 34 x + 1) (x^2 + 34 x + 1)}$$

Sequence: A251867
Score: 10.9079
Type of gen. func.: ogf

$$- \frac{2 x (x + 7)}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A251867
Score: 5.32091
Type of gen. func.: ogf

$(63920976 f(x) - 5190767)$

$$(f(x) x^{3} - 35 f(x) x^{2} + 35 f(x) x + 2 x^{2} - f(x) + 14 x)$$

Sequence: A251867
Score: 5.64200
Type of gen. func.: ogf

$$\{a(n + 3) - 35 a(n + 2) + 35 a(n + 1) - a(n), a(0) = 0, a(1) = 14, a(2) = 492\}$$

Sequence: A251867
Score: 7.27191
Type of gen. func.: lgdogf

$$- \frac{-2 x^{3} + 14 x^{2} + 490 x - 246}{-x^{4} + 28 x^{3} + 210 x^{2} - 244 x + 7}$$

Sequence: A251889
Score: 4.05134
Type of gen. func.: ogf

$$2 (484 x^{11} - 220 x^{10} + 28 x^{9} + 303 x^{8} + 3427 x^{7} - 4875 x^{6} - 326 x^{5} - 2275 x^{4}$$
$$+ 3729 x^{3} + 23 x^{2} + 339 x - 640) / ((x - 1) (2 x^{3} - 1) (4 x^{3} - 1))$$

Sequence: A251890
Score: 5.20636
Type of gen. func.: ogf

$$2 (288 x^{8} + 96 x^{7} - 161 x^{6} - 145 x^{5} + 1821 x^{4} - 2291 x^{3} + 124 x^{2} - 375 x + 640)$$
$$/ ((4 x^{3} - 1) (x - 1))$$

Sequence: A251893
Score: 4.75732
Type of gen. func.: ogf

8 7 6 5 4 3 2

$$2 (4608 x - 3264 x - 326 x - 2178 x + 7492 x - 7578 x + 648 x - 482 x + 1073) / ((2 x - 1) (x - 1) (4 x^2 + 2 x + 1))$$

Sequence: A251895
Score: 6.48805
Type of gen. func.: ogf

$$\frac{2 x (x^3 + 87 x^2 - 169 x - 15)}{(x - 1) (x^2 - 34 x + 1) (x^2 + 34 x + 1)}$$

Sequence: A251896
Score: 6.37472
Type of gen. func.: ogf

$$- \frac{3 x^4 + 246 x^3 - 676 x^2 + 42 x + 1}{(x - 1) (x^2 - 34 x + 1) (x^2 + 34 x + 1)}$$

Sequence: A251914
Score: 10.2906
Type of gen. func.: ogf

$$\frac{2 x (x - 49)}{(x - 1) (x^2 - 98 x + 1)}$$

Sequence: A251914
Score: 5.27722
Type of gen. func.: ogf

{a(n + 3) - 99 a(n + 2) + 99 a(n + 1) - a(n), a(0) = 0, a(1) = 98, a(2) = 9700}

Sequence: A251914
Score: 5.82486
Type of gen. func.: ogf

3 2 2

$$-f(x) (f(x) x - 99 f(x) x + 99 f(x) x - 2 x - f(x) + 98 x)$$

Sequence: A251914
Score: 6.36531
Type of gen. func.: lgdogf

$$- \frac{-2 x^3 + 246 x^2 - 9702 x + 4850}{-x^4 + 148 x^3 - 4950 x^2 + 4852 x - 49}$$

Sequence: A251924
Score: 11.1440
Type of gen. func.: ogf

$$\frac{2 x (x - 17)}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A251924
Score: 5.71485
Type of gen. func.: ogf

$$\{-a(n + 3) + 35 a(n + 2) - 35 a(n + 1) + a(n), a(0) = 0, a(1) = 34, a(2) = 1188 \}$$

Sequence: A251924
Score: 6.30791
Type of gen. func.: ogf

$$-f(x) (f(x) x^3 - 35 f(x) x^2 + 35 f(x) x - 2 x^2 - f(x) + 34 x)$$

Sequence: A251924
Score: 7.26780
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 86 x^2 + 1190 x - 594}{x^4 - 52 x^3 + 630 x^2 - 596 x + 17}$$

Sequence: A251927
Score: 5.93981
Type of gen. func.: ogf

$$\frac{2 x (x^5 + 4 x^4 + 34 x^3 - 721 x^2 - 34 x - 4)}{(x - 1) (x^6 - 1442 x^3 + 1)}$$

Sequence: A251928
Score: 4.9057
Type of gen. func.: ogf

$$-(127 f(x) + 2320) (4 f(x) x^4 - 6 f(x) x^3 + 6 f(x) x^2 + 8 x^3 - 4 f(x) x - 8 x^2 + f(x) + 10 x - 5)$$

Sequence: A251928
Score: 9.24536
Type of gen. func.: ogf

$$- \frac{8 x^3 - 8 x^2 + 10 x - 5}{(2 x - 1) (2 x^3 - 2 x^2 + 2 x - 1)}$$

Sequence: A251936
Score: 7.87628
Type of gen. func.: ogf

$$- \frac{x^4 - 5 x^3 + 5 x^2 - 7 x + 10}{(x - 1)^5}$$

Sequence: A251936
Score: 8.04386
Type of gen. func.: lgdogf

$$- \frac{x^4 - 6 x^3 - 18 x + 43}{}$$

$$x^5 - 6 x^4 + 10 x^3 - 12 x^2 + 17 x - 10$$

Sequence: A251937
Score: 3.94504
Type of gen. func.: ogf

$$-(x^{10} - 3 x^9 + 26 x^8 + 78 x^7 + 121 x^6 + 72 x^5 - 38 x^4 - 128 x^3 - 122 x^2 - 61 x - 18) / ((x + 1) (x^2 + x + 1)^2 (x - 1)^6)$$

Sequence: A251963
Score: 11.1889
Type of gen. func.: ogf

$$\frac{2 x (x - 7)}{(x - 1) (x^2 - 14 x + 1)}$$

Sequence: A251963
Score: 5.78734
Type of gen. func.: ogf

{-a(n + 3) + 15 a(n + 2) - 15 a(n + 1) + a(n), a(0) = 0, a(1) = 14, a(2) = 208}

Sequence: A251963
Score: 6.33332
Type of gen. func.: ogf

$$-f(x) (f(x) x^3 - 15 f(x) x^2 + 15 f(x) x - 2 x^2 - f(x) + 14 x)$$

Sequence: A251963
Score: 7.45924
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 36 x^2 + 210 x - 104}{x^4 - 22 x^3 + 120 x^2 - 106 x + 7}$$

```
------------------------------------------------------------------------------

Sequence:  A251990
Score: 4.1634
Type of gen. func.: ogf


-(1679003860053660 f(x) + 320964704411)

           3             2
    (f(x) x  - 195 f(x) x  + 195 f(x) x - f(x) - 4 x + 52)



------------------------------------------------------------------------------

Sequence:  A251990
Score: 4.52401
Type of gen. func.: ogf


{-a(n + 3) + 195 a(n + 2) - 195 a(n + 1) + a(n), a(0) = 52, a(1) = 10136,

    a(2) = 1966380}



------------------------------------------------------------------------------

Sequence:  A251990
Score: 5.92319
Type of gen. func.: lgdogf


                              3        2
                          -2 x  + 234 x  - 5070 x + 2534
                     - -------------------------------------
                         4        3         2
                       -x  + 208 x  - 2730 x  + 2536 x - 13



------------------------------------------------------------------------------

Sequence:  A251990
Score: 9.90602
Type of gen. func.: ogf


                                   4 (x - 13)
                            ------------------------
                                      2
                            (x - 1) (x  - 194 x + 1)



------------------------------------------------------------------------------

Sequence:  A251991
Score: 4.28768
Type of gen. func.: ogf


(3979861001612944 f(x) - 944282475375)

           3             2
    (f(x) x  - 195 f(x) x  + 195 f(x) x - f(x) + 4 x + 60)
```

Sequence: A251991
Score: 4.52401
Type of gen. func.: ogf

$$\{a(n + 3) - 195 a(n + 2) + 195 a(n + 1) - a(n), a(0) = 60, a(1) = 11704, a(2) = 2270580\}$$

Sequence: A251991
Score: 5.92319
Type of gen. func.: lgdogf

$$-\frac{-2 x^3 + 150 x^2 + 5850 x - 2926}{-x^4 + 180 x^3 + 2730 x^2 - 2924 x + 15}$$

Sequence: A251991
Score: 9.90602
Type of gen. func.: ogf

$$-\frac{4 (x + 15)}{(x - 1) (x^2 - 194 x + 1)}$$

Sequence: A252003
Score: 10.0198
Type of gen. func.: ogf

$$\frac{8 (5 x - 29)}{(x - 1) (x^2 - 1154 x + 1)}$$

Sequence: A252003
Score: 4.14151
Type of gen. func.: ogf

$$-(24798930283837297512 f(x) + 1478509557150791) (f(x) x^3 - 1155 f(x) x^2 + 1155 f(x) x - f(x) - 40 x + 232)$$

Sequence: A252003
Score: 4.67089
Type of gen. func.: ogf

$$\{-a(n+3) + 1155\, a(n+2) - 1155\, a(n+1) + a(n),\ a(0) = 232,\ a(1) = 267920,$$
$$a(2) = 309179640\}$$

Sequence: A252004
Score: 3.48343
Type of gen. func.: ogf

$$(141708173050500561072\, f(x) - 12008712868199375)$$
$$(f(x)\, x^3 - 1155\, f(x)\, x^2 + 1155\, f(x)\, x - f(x) + 56\, x + 328)$$

Sequence: A252004
Score: 3.87630
Type of gen. func.: ogf

$$\{a(n+3) - 1155\, a(n+2) + 1155\, a(n+1) - a(n),\ a(0) = 328,\ a(1) = 378896,$$
$$a(2) = 437246040\}$$

Sequence: A252004
Score: 8.31529
Type of gen. func.: ogf

$$-\frac{8\,(7\,x + 41)}{(x - 1)\,(x^2 - 1154\,x + 1)}$$

Sequence: A252011
Score: 4.21754
Type of gen. func.: ogf

$$-2\,(32\,x^{11} + 96\,x^{10} - 96\,x^9 - 96\,x^8 - 208\,x^7 + 96\,x^6 - 3584\,x^5 - 798\,x^4$$
$$+ 5650\,x^3 - 84\,x^2 - 192\,x - 809) \Big/ ((2\,x - 1)\,(x - 1)\,(4\,x^2 + 2\,x + 1))$$

Sequence: A252069
Score: 3.60416
Type of gen. func.: ogf

$$(4 x^{10} + 39 x^9 - 6 x^8 - 77 x^7 - 160 x^6 - 55 x^5 + 163 x^4 + 275 x^3 - 10 x^2 + 58 x - 105) / ((x - 1) (x^8 + 2 x^7 + 2 x^6 - x^5 - 5 x^4 - 6 x^3 - 2 x^2 - x + 1))$$

Sequence: A252076
Score: 4.48886
Type of gen. func.: ogf

$$(19475 f(x) + 6561)$$

$$(f(x) x^3 - 1443 f(x) x^2 + 1443 f(x) x - 198 x^2 - f(x) + 486 x)$$

Sequence: A252076
Score: 4.48887
Type of gen. func.: ogf

$$\{-a(n + 3) + 1443 a(n + 2) - 1443 a(n + 1) + a(n), a(0) = 0, a(1) = 486, a(2) = 701100\}$$

Sequence: A252076
Score: 8.30776
Type of gen. func.: ogf

$$\frac{18 x (11 x - 27)}{(x - 1) (x^2 - 1442 x + 1)}$$

Sequence: A252077
Score: 3.81131
Type of gen. func.: ogf

$$(204950911256090 f(x) - 44322717146357)$$

$$(f(x) x^3 - 1443 f(x) x^2 + 1443 f(x) x + 313 x^2 - f(x) - 674 x + 1)$$

Sequence: A252077
Score: 4.47679
Type of gen. func.: ogf

$$\{-a(n + 3) + 1443 a(n + 2) - 1443 a(n + 1) + a(n), a(0) = 1, a(1) = 769, a(2) = 1108537\}$$

Sequence: A252077
Score: 7.94472
Type of gen. func.: ogf

$$-\frac{313 x^2 - 674 x + 1}{(x - 1) (x^2 - 1442 x + 1)}$$

Sequence: A252108
Score: 4.13909
Type of gen. func.: ogf

$$(32 x^{12} + 64 x^{11} + 624 x^{10} + 1480 x^9 + 3536 x^8 + 9316 x^7 + 13108 x^6 - 3556 x^5 - 7920 x^4 - 10990 x^3 + 724 x^2 + 1424 x + 1929) / ((2 x^3 - 1) (4 x^3 - 1))$$

Sequence: A252109
Score: 4.77575
Type of gen. func.: ogf

$$2 (484 x^{10} + 264 x^9 + 292 x^8 + 1091 x^7 + 5182 x^6 - 845 x^5 - 1543 x^4 - 4316 x^3 + 277 x^2 + 362 x + 784) / ((2 x^3 - 1) (4 x^3 - 1))$$

Sequence: A252110
Score: 6.32549
Type of gen. func.: ogf

$$\frac{2 (288 x^7 + 384 x^6 + 223 x^5 + 190 x^4 + 2543 x^3 - 388 x^2 - 292 x - 800)}{4 x^3 - 1}$$

Sequence: A252111
Score: 4.08294
Type of gen. func.: ogf

$$2 (2304 x^{10} + 1152 x^{9} + 3308 x^{8} - 512 x^{7} + 24288 x^{6} - 4513 x^{5} - 1980 x^{4} - 10326 x^{3} + 629 x^{2} + 312 x + 942) / ((2 x - 1) (4 x^{3} - 1) (4 x^{2} + 2 x + 1))$$

Sequence: A252112
Score: 4.18020
Type of gen. func.: ogf

$$2 (7704 x^{10} + 2160 x^{9} + 2624 x^{8} - 4507 x^{7} + 25866 x^{6} - 4887 x^{5} - 1693 x^{4} - 11019 x^{3} + 817 x^{2} + 394 x + 1029) / ((2 x - 1) (4 x^{3} - 1) (4 x^{2} + 2 x + 1))$$

Sequence: A252113
Score: 5.67539
Type of gen. func.: ogf

$$\frac{4 (2304 x^{7} + 672 x^{6} + 509 x^{5} - 580 x^{4} + 3814 x^{3} - 619 x^{2} - 295 x - 617)}{(2 x - 1) (4 x^{2} + 2 x + 1)}$$

Sequence: A252115
Score: 5.55739
Type of gen. func.: ogf

$$\frac{x^{4} + 26 x^{3} - 45652 x^{2} - 26378 x - 573}{(x - 1) (x^{2} - 322 x + 1) (x^{2} + 322 x + 1)}$$

Sequence: A252116
Score: 4.73213
Type of gen. func.: ogf

$$-\frac{2 x^{4} + 57 x^{3} - 77605 x^{2} + 58983 x + 1283}{(x - 1) (x^{2} - 322 x + 1) (x^{2} + 322 x + 1)}$$

Sequence: A252133
Score: 3.54475
Type of gen. func.: ogf

$$(4 x^{10} + 64 x^{9} + 13 x^{8} - 75 x^{7} - 225 x^{6} - 143 x^{5} + 124 x^{4} + 371 x^{3} + 15 x^{2} + 112 x - 134) / ((x - 1) (x^{8} + 2 x^{7} + 2 x^{6} - x^{5} - 5 x^{4} - 6 x^{3} - 2 x^{2} - x + 1))$$

Sequence: A252178
Score: 7.41297
Type of gen. func.: lgdogf

$$-\frac{x^{4} - 6 x^{3} + 6 x^{2} - 30 x + 49}{x^{5} - 6 x^{4} + 12 x^{3} - 18 x^{2} + 23 x - 12}$$

Sequence: A252178
Score: 7.79508
Type of gen. func.: ogf

$$-\frac{x^{4} - 5 x^{3} + 7 x^{2} - 11 x + 12}{(x - 1)^{5}}$$

Sequence: A252179
Score: 5.05318
Type of gen. func.: ogf

$$-\frac{x^8 - 3 x^7 - 3 x^6 + 13 x^5 + 41 x^4 + 9 x^3 - 15 x^2 - 47 x - 12}{(x + 1)^3 (x - 1)^6}$$

Sequence: A252221
Score: 4.34547
Type of gen. func.: ogf

$$2 (16 x^9 + 32 x^8 + 130 x^7 - 119 x^6 - 98 x^5 - 333 x^4 - 21 x^3 + 152 x^2 - 44 x + 114) / ((x - 1) (2 x^6 + 2 x^5 + 4 x^4 + x^3 + x - 1))$$

Sequence: A252222
Score: 4.16260
Type of gen. func.: ogf

$$2 (3 x^8 + 115 x^7 + 127 x^6 - 337 x^5 - 1019 x^4 - 775 x^3 + 175 x^2 - 38 x + 184) / ((x^3 - 2 x^2 + x - 1) (x^3 + 3 x^2 + 2 x - 1))$$

Sequence: A252223
Score: 4.10801
Type of gen. func.: ogf

$$\frac{2 (147 x^7 - 519 x^6 - 1188 x^5 - 1519 x^4 - 1568 x^3 + 590 x^2 + 315 x + 406)}{(x^3 - 2 x^2 + x - 1) (x^3 + 3 x^2 + 2 x - 1)}$$

Sequence: A252224
Score: 4.19377
Type of gen. func.: ogf

$$2 (1072 x^7 + 652 x^6 - 3717 x^5 - 8440 x^4 - 6532 x^3 + 1601 x^2 + 1699 x + 721) / ((x^3 - 2 x^2 + x - 1) (x^3 + 3 x^2 + 2 x - 1))$$

Sequence: A252225
Score: 3.92946
Type of gen. func.: ogf

$$2 \left(4720 x^7 + 7145 x^6 - 11816 x^5 - 34933 x^4 - 22954 x^3 + 4758 x^2 + 7441 x + 1229\right) \Big/ \left((x^3 - 2 x^2 + x - 1) (x^3 + 3 x^2 + 2 x - 1)\right)$$

Sequence: A252226
Score: 4.00063
Type of gen. func.: ogf

$$2 \left(13776 x^7 + 18124 x^6 - 37304 x^5 - 96634 x^4 - 62435 x^3 + 12570 x^2 + 28035 x + 2369\right) \Big/ \left((x^3 - 2 x^2 + x - 1) (x^3 + 3 x^2 + 2 x - 1)\right)$$

Sequence: A252227
Score: 3.79097
Type of gen. func.: ogf

$$2 \left(39568 x^7 + 41864 x^6 - 117704 x^5 - 266116 x^4 - 172885 x^3 + 34482 x^2 + 95029 x + 4961\right) \Big/ \left((x^3 - 2 x^2 + x - 1) (x^3 + 3 x^2 + 2 x - 1)\right)$$

Sequence: A252236
Score: 5.16434
Type of gen. func.: ogf

$$\frac{2 (16 x^7 + 512 x^6 - 2384 x^5 - 1034 x^4 - 724 x^3 + 1087 x^2 + 429 x + 171)}{(16 x^3 - 1) (2 x^3 - 1)}$$

Sequence: A252239
Score: 4.57846
Type of gen. func.: ogf

6 5 4 3 2 /

$$4 (16384 x - 338688 x - 48384 x - 11072 x + 82971 x + 10962 x + 1177) / ((256 x^3 - 1) (4 x^3 - 1))$$

Sequence: A252242
Score: 3.85565
Type of gen. func.: ogf

$$8 (4194304 x^6 - 65482752 x^5 - 2691072 x^4 - 635904 x^3 + 8159283 x^2 + 321054 x + 9353) / ((16 x - 1) (2 x - 1) (4 x^2 + 2 x + 1) (256 x^2 + 16 x + 1))$$

Sequence: A252249
Score: 5.49488
Type of gen. func.: ogf

$$\frac{26 x^8 + 48 x^7 - 272 x^6 - 72 x^5 - 138 x^4 + 816 x^3 + 11 x^2 + 36 x - 278}{(x - 1) (x^6 - 3 x^3 + 1)}$$

Sequence: A252250
Score: 5.45535
Type of gen. func.: ogf

$$\frac{34 x^8 + 96 x^7 - 346 x^6 - 96 x^5 - 282 x^4 + 1038 x^3 + 19 x^2 + 84 x - 352}{(x - 1) (x^6 - 3 x^3 + 1)}$$

Sequence: A252251
Score: 5.34009
Type of gen. func.: ogf

$$\frac{38 x^8 + 173 x^7 - 457 x^6 - 108 x^5 - 513 x^4 + 1371 x^3 + 23 x^2 + 161 x - 463}{(x - 1) (x^6 - 3 x^3 + 1)}$$

Sequence: A252252
Score: 5.34009
Type of gen. func.: ogf

$$\frac{56 x^{8} + 269 x^{7} - 610 x^{6} - 162 x^{5} - 801 x^{4} + 1830 x^{3} + 41 x^{2} + 257 x - 616}{(x - 1) (x^{6} - 3 x^{3} + 1)}$$

Sequence: A252253
Score: 5.32800
Type of gen. func.: ogf

$$(86 x^{8} + 422 x^{7} - 841 x^{6} - 252 x^{5} - 1260 x^{4} + 2523 x^{3} + 71 x^{2} + 410 x - 847) / ((x - 1) (x^{6} - 3 x^{3} + 1))$$

Sequence: A252258
Score: 3.93663
Type of gen. func.: ogf

$$(176 x^{11} + 736 x^{10} + 1360 x^{9} + 4100 x^{8} + 2376 x^{7} - 11344 x^{6} - 2936 x^{5} - 1948 x^{4} + 8036 x^{3} + 454 x^{2} + 315 x - 1331) / ((x - 1) (2 x^{3} - 1) (4 x^{3} - 1))$$

Sequence: A252259
Score: 4.05482
Type of gen. func.: ogf

$$(968 x^{11} - 440 x^{10} + 376 x^{9} - 34 x^{8} + 4654 x^{7} - 7470 x^{6} - 172 x^{5} - 2900 x^{4} + 5608 x^{3} - 34 x^{2} + 403 x - 965) / ((x - 1) (2 x^{3} - 1) (4 x^{3} - 1))$$

Sequence: A252262
Score: 5.39087
Type of gen. func.: ogf

$$16 x^{7} + 122 x^{6} + 148 x^{5} + 58 x^{4} - 31 x^{3} - 128 x^{2} - 27 x - 103$$

$$2 x^6 + 4 x^5 + 4 x^4 + 3 x^3 + x - 1$$

Sequence: A252263
Score: 4.05007
Type of gen. func.: ogf

$$\frac{2 (7 x^8 - 16 x^7 - 52 x^6 - 79 x^5 - 26 x^4 + 72 x^3 + 145 x^2 + 71 x + 65)}{x^8 + 2 x^7 + 2 x^6 - x^5 - 5 x^4 - 6 x^3 - 2 x^2 - x + 1}$$

Sequence: A252271
Score: 4.20899
Type of gen. func.: ogf

$$- (2 x^{11} - 40 x^{10} - 180 x^9 + 188 x^8 + 306 x^7 + 770 x^6 - 540 x^5 - 575 x^4 - 914 x^3 + 232 x^2 + 185 x + 206) / ((x - 1) (x^2 + x + 1) (2 x^6 - 5 x^3 + 1))$$

Sequence: A252284
Score: 26.8793
Type of gen. func.: lgdegf]

$$-(x + 1)^2$$

Sequence: A252284
Score: 4.37570
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) + (2 n + 6) a(n + 2) + a(n + 4) + a(n + 3), a(0) = 1, a(1) = -1, a(2) = -1, a(3) = 3\}$$

Sequence: A252336
Score: 5.86547
Type of gen. func.: ogf

$$-\frac{2\,(4\,x^{6}+34\,x^{5}+66\,x^{4}+74\,x^{3}+63\,x^{2}+28\,x+26)}{2\,x^{6}+4\,x^{5}+4\,x^{4}+3\,x^{3}+x-1}$$

Sequence: A252337
Score: 4.07492
Type of gen. func.: ogf

$$-\frac{2\,(2\,x^{8}+31\,x^{7}+68\,x^{6}+73\,x^{5}-10\,x^{4}-124\,x^{3}-163\,x^{2}-80\,x-54)}{x^{8}+2\,x^{7}+2\,x^{6}-x^{5}-5\,x^{4}-6\,x^{3}-2\,x^{2}-x+1}$$

Sequence: A252355
Score: 5.64289
Type of gen. func.: ogf

$$32\,f(x)^{3}\,x^{3}+13\,x^{2}\,f(x)^{3}+4\,f(x)^{3}\,x-6\,f(x)\,x-f(x)+1$$

Sequence: A252359
Score: 3.71079
Type of gen. func.: ogf

$$-(18712375156774863208\,f(x)+99082731315665681)$$

$$(f(x)\,x^{3}-483\,f(x)\,x^{2}+483\,f(x)\,x-f(x)-62\,x+158)$$

Sequence: A252359
Score: 4.31488
Type of gen. func.: ogf

$$\{-a(n+3)+483\,a(n+2)-483\,a(n+1)+a(n),\ a(0)=158,\ a(1)=76252,$$

$$a(2)=36753402\}$$

Sequence: A252359
Score: 9.27700
Type of gen. func.: ogf

$$2\,(31\,x-79)$$

```
                            ------------------------
                                      2
                            (x - 1) (x  - 482 x + 1)



------------------------------------------------------------------------------

Sequence:  A252360
Score: 3.61586
Type of gen. func.: ogf


-(1692018876250544710 f(x) + 1873259664619371)

           3             2                 2
    (f(x) x  - 483 f(x) x  + 483 f(x) x + x  - f(x) - 370 x + 289)



------------------------------------------------------------------------------

Sequence:  A252360
Score: 4.33904
Type of gen. func.: ogf


{-a(n + 3) + 483 a(n + 2) - 483 a(n + 1) + a(n), a(0) = 289, a(1) = 139217,

    a(2) = 67102225}



------------------------------------------------------------------------------

Sequence:  A252360
Score: 8.17500
Type of gen. func.: ogf


                                  2
                                 x  - 370 x + 289
                           - ------------------------
                                       2
                             (x - 1) (x  - 482 x + 1)



------------------------------------------------------------------------------

Sequence:  A252362
Score: 5.37475
Type of gen. func.: ogf


                7        6        5       4      3       2
         2 (16 x  + 102 x  + 134 x  + 76 x  + 7 x  - 65 x  - 11 x - 65)
         --------------------------------------------------------------
                          6      5      4      3
                       2 x  + 4 x  + 4 x  + 3 x  + x - 1



------------------------------------------------------------------------------

Sequence:  A252363
Score: 4.11969
Type of gen. func.: ogf


             8    7       6       5       4       3        2
```

$$\frac{2 (16 x - x - 36 x - 85 x - 62 x + 20 x + 127 x + 62 x + 76)}{x^{8} + 2 x^{7} + 2 x^{6} - x^{5} - 5 x^{4} - 6 x^{3} - 2 x^{2} - x + 1}$$

Sequence: A252379
Score: 4.55596
Type of gen. func.: ogf

$$(38 x^{11} + 132 x^{10} + 934 x^{9} - 599 x^{8} - 933 x^{7} - 4086 x^{6} + 1544 x^{5} + 1789 x^{4} + 4820 x^{3} - 632 x^{2} - 647 x - 1359) / ((x - 1) (x^{2} + x + 1) (x^{6} - 3 x^{3} + 1))$$

Sequence: A252380
Score: 4.36100
Type of gen. func.: ogf

$$(14 x^{11} + 189 x^{10} + 1458 x^{9} - 534 x^{8} - 1211 x^{7} - 6249 x^{6} + 1555 x^{5} + 2168 x^{4} + 7120 x^{3} - 663 x^{2} - 771 x - 1966) / ((x - 1) (x^{2} + x + 1) (x^{6} - 3 x^{3} + 1))$$

Sequence: A252381
Score: 4.45981
Type of gen. func.: ogf

$$(6 x^{11} + 256 x^{10} + 2288 x^{9} - 710 x^{8} - 1646 x^{7} - 9747 x^{6} + 2185 x^{5} + 2963 x^{4} + 10989 x^{3} - 963 x^{2} - 1067 x - 3020) / ((x - 1) (x^{2} + x + 1) (x^{6} - 3 x^{3} + 1))$$

Sequence: A252382
Score: 4.30965
Type of gen. func.: ogf

$$(8 x^{11} + 344 x^{10} + 3705 x^{9} - 975 x^{8} - 2244 x^{7} - 15606 x^{6} + 3008 x^{5} + 4090 x^{4} + 17253 x^{3} - 1341 x^{2} - 1496 x - 4682) \Big/ ((x - 1) (x^{2} + x + 1) (x^{6} - 3 x^{3} + 1))$$

Sequence: A252383
Score: 4.32040
Type of gen. func.: ogf

$$(14 x^{11} + 493 x^{10} + 5846 x^{9} - 1204 x^{8} - 3073 x^{7} - 24411 x^{6} + 3671 x^{5} + 5402 x^{4} + 26556 x^{3} - 1610 x^{2} - 1928 x - 7109) \Big/ ((x - 1) (x^{2} + x + 1) (x^{6} - 3 x^{3} + 1))$$

Sequence: A252389
Score: 4.03443
Type of gen. func.: ogf

$$(2 x^{13} - x^{12} + x^{11} + 86 x^{10} + 427 x^{9} - 411 x^{8} - 608 x^{7} - 1786 x^{6} + 1302 x^{5} + 1243 x^{4} + 2224 x^{3} - 799 x^{2} - 637 x - 785) \Big/ ((x - 1) (x^{2} + x + 1) (x^{6} - 3 x^{3} + 1))$$

Sequence: A252424
Score: 11.9521
Type of gen. func.: ogf

$$- \frac{18 (5 x^{4} + 4 x^{3} + 2 x^{2} + 2 x + 1)}{2 x^{2} - 1}$$

Sequence: A252424
Score: 7.27518
Type of gen. func.: ogf

$\{a(n + 5) - 2\, a(n + 3),\ a(0) = 18,\ a(1) = 36,\ a(2) = 72,\ a(3) = 144,\ a(4) = 234$

$\}$

Sequence: A252424
Score: 8.12277
Type of gen. func.: ogf

$$(1145\, f(x) - 11637)\,(90\, x^4 + 2\, f(x)\, x^2 + 72\, x^3 + 36\, x^2 - f(x) + 36\, x + 18)$$

Sequence: A252424
Score: 8.36646
Type of gen. func.: lgdogf

$$-\frac{-20\, x^5 - 8\, x^4 + 20\, x^3 + 16\, x^2 + 8\, x + 2}{10\, x^6 + 8\, x^5 - x^4 - 2\, x - 1}$$

Sequence: A252480
Score: 7.18419
Type of gen. func.: ogf

$$-\frac{9\, x^{10} - x^9 - x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 100}{(x + 1)\,(x^4 + x^3 + x^2 + x + 1)\,(x^4 - x^3 + x^2 - x + 1)\,(x - 1)^2}$$

Sequence: A252526
Score: 5.36304
Type of gen. func.: ogf

$$(144\, x^9 + 224\, x^8 + 952\, x^7 + 4628\, x^6 - 1040\, x^5 - 1346\, x^4 - 3954\, x^3 + 334\, x^2$$

$$+ 337\, x + 730) \Big/ ((2\, x^3 - 1)\,(4\, x^3 - 1))$$

Sequence: A252527
Score: 6.27591
Type of gen. func.: ogf

$$\frac{288 x^7 + 3640 x^6 - 1048 x^5 - 932 x^4 - 3116 x^3 + 466 x^2 + 341 x + 621}{(2 x^3 - 1) (4 x^3 - 1)}$$

Sequence: A252528
Score: 5.01297
Type of gen. func.: ogf

$$(855751397498154 f(x) - 430789169672238979)$$

$$(4 f(x) x^3 - 172 x^4 - 2086 x^3 + 626 x^2 - f(x) + 462 x + 719)$$

Sequence: A252528
Score: 5.60273
Type of gen. func.: ogf

$\{a(n + 5) - 4 a(n + 2), a(0) = 719, a(1) = 462, a(2) = 626, a(3) = 790,$

$a(4) = 1676\}$

Sequence: A252528
Score: 8.77270
Type of gen. func.: ogf

$$\frac{172 x^4 + 2086 x^3 - 626 x^2 - 462 x - 719}{4 x^3 - 1}$$

Sequence: A252529
Score: 5.38529
Type of gen. func.: ogf

$$\frac{2 (152 x^7 + 8256 x^6 - 3152 x^5 - 2026 x^4 - 3872 x^3 + 560 x^2 + 353 x + 389)}{(2 x - 1) (4 x^3 - 1) (4 x^2 + 2 x + 1)}$$

Sequence: A252530
Score: 5.52809
Type of gen. func.: ogf

$$\frac{4 (64 x^7 + 4800 x^6 - 1984 x^5 - 1204 x^4 - 2186 x^3 + 440 x^2 + 250 x + 233)}{(2 x - 1) (4 x^3 - 1) (4 x^2 + 2 x + 1)}$$

Sequence: A252531
Score: 4.66504
Type of gen. func.: ogf

$$(4611077335693237 f(x) - 3707032049579298481)$$

$$(8 f(x) x^3 - 288 x^4 - 6440 x^3 + 2404 x^2 - f(x) + 1468 x + 1200)$$

Sequence: A252531
Score: 5.19174
Type of gen. func.: ogf

$$\{a(n + 5) - 8 a(n + 2), a(0) = 1200, a(1) = 1468, a(2) = 2404, a(3) = 3160,$$
$$a(4) = 11456\}$$

Sequence: A252531
Score: 8.14906
Type of gen. func.: ogf

$$\frac{4 (72 x^4 + 1610 x^3 - 601 x^2 - 367 x - 300)}{(2 x - 1) (4 x^2 + 2 x + 1)}$$

Sequence: A252534
Score: 5.38834
Type of gen. func.: ogf

$$(128 x^9 + 208 x^8 + 880 x^7 + 3456 x^6 - 1046 x^5 - 1316 x^4 - 3108 x^3 + 341 x^2$$
$$+ 337 x + 595) \Big/ ((2 x^3 - 1) (4 x^3 - 1))$$

Sequence: A252535

Score: 6.27591
Type of gen. func.: ogf

$$\frac{2 (128 x^7 + 1164 x^6 - 518 x^5 - 442 x^4 - 1067 x^3 + 233 x^2 + 167 x + 230)}{(2 x^3 - 1) (4 x^3 - 1)}$$

Sequence: A252536
Score: 5.34845
Type of gen. func.: ogf

$(74403150713162 f(x) - 24442541896787151)$

$(4 f(x) x^3 - 112 x^4 - 1350 x^3 + 610 x^2 - f(x) + 426 x + 535)$

Sequence: A252536
Score: 5.88779
Type of gen. func.: ogf

$\{a(n + 5) - 4 a(n + 2), a(0) = 535, a(1) = 426, a(2) = 610, a(3) = 790,$

$a(4) = 1592\}$

Sequence: A252536
Score: 9.21904
Type of gen. func.: ogf

$$\frac{112 x^4 + 1350 x^3 - 610 x^2 - 426 x - 535}{4 x^3 - 1}$$

Sequence: A252537
Score: 5.43017
Type of gen. func.: ogf

$$- \frac{2 (136 x^7 - 4408 x^6 + 3092 x^5 + 1846 x^4 + 2438 x^3 - 557 x^2 - 338 x - 273)}{(2 x - 1) (4 x^3 - 1) (4 x^2 + 2 x + 1)}$$

Sequence: A252538
Score: 5.59308
Type of gen. func.: ogf

$$-\frac{128 x^{7} - 9952 x^{6} + 7792 x^{5} + 4432 x^{4} + 5284 x^{3} - 1748 x^{2} - 964 x - 649}{(2 x - 1) (4 x^{3} - 1) (4 x^{2} + 2 x + 1)}$$

Sequence: A252539
Score: 5.05484
Type of gen. func.: ogf

$(2385104150937741 f(x) - 1020786776033366722)$

$(8 f(x) x^{3} - 32 x^{4} - 3424 x^{3} + 2332 x^{2} - f(x) + 1344 x + 823)$

Sequence: A252539
Score: 5.58910
Type of gen. func.: ogf

$\{a(n + 5) - 8 a(n + 2), a(0) = 823, a(1) = 1344, a(2) = 2332, a(3) = 3160,$

$a(4) = 10720\}$

Sequence: A252539
Score: 8.92804
Type of gen. func.: ogf

$$\frac{32 x^{4} + 3424 x^{3} - 2332 x^{2} - 1344 x - 823}{(2 x - 1) (4 x^{2} + 2 x + 1)}$$

Sequence: A252543
Score: 5.12130
Type of gen. func.: ogf

$$2 (160 x^{7} + 2752 x^{6} - 2352 x^{5} - 1098 x^{4} - 1980 x^{3} + 1071 x^{2} + 425 x + 239) \Big/ ((16 x^{3} - 1) (2 x^{3} - 1))$$

Sequence: A252585
Score: 6.82408
Type of gen. func.: ogf

$$\frac{11 x^3 + 63 x^2 - 231 x - 3}{(x - 1) (x^2 - 22 x + 1) (x^2 + 22 x + 1)}$$

Sequence: A252586
Score: 6.24973
Type of gen. func.: ogf

$$- \frac{x^4 + 11 x^3 - 413 x^2 + 253 x + 4}{(x - 1) (x^2 - 22 x + 1) (x^2 + 22 x + 1)}$$

Sequence: A252630
Score: 3.82353
Type of gen. func.: ogf

$$-(1450479444378328774080 f(x) + 3588267144165818107)$$

$$(f(x) x^3 - 323 f(x) x^2 + 323 f(x) x - 3 x^2 - f(x) + 353 x + 50)$$

Sequence: A252630
Score: 4.84715
Type of gen. func.: ogf

$\{-a(n + 3) + 323 a(n + 2) - 323 a(n + 1) + a(n), a(0) = 50, a(1) = 16503,$

$a(2) = 5314316\}$

Sequence: A252630
Score: 9.05276
Type of gen. func.: ogf

$$\frac{3 x^2 - 353 x - 50}{(x^2 - 322 x + 1) (x - 1)}$$

Sequence: A252631
Score: 4.34616
Type of gen. func.: ogf

$$(906549641903718 f(x) - 7876181823071)$$

$$(f(x) x^{3} - 323 f(x) x^{2} + 323 f(x) x + 4 x^{2} - f(x) - 192 x + 92)$$

Sequence: A252631
Score: 4.92794
Type of gen. func.: ogf

$$\{-a(n + 3) + 323 a(n + 2) - 323 a(n + 1) + a(n), a(0) = 92, a(1) = 29524,$$

$$a(2) = 9506540\}$$

Sequence: A252631
Score: 9.20365
Type of gen. func.: ogf

$$- \frac{4 (x^{2} - 48 x + 23)}{(x^{2} - 322 x + 1) (x - 1)}$$

Sequence: A252650
Score: 9.67832
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-4 x^{5} - 2 x^{4} - 4 x^{3} - 4 x^{2} - 4 x - 2}{x^{6} - 1}$$

Sequence: A252651
Score: 10.4659
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-4 x^{5} - 2 x^{4} - 4 x^{3} - 4 x - 2}{x^{6} - 1}$$

Sequence: A252690
Score: 3.94005
Type of gen. func.: ogf

$$(608 x^9 - 1192 x^8 - 1444 x^7 + 2930 x^6 - 173 x^5 - 63 x^4 - 1315 x^3 + 386 x^2 + 388 x - 148) / ((2 x - 1) (x - 1) (2 x^2 - 1) (x^2 + x - 1) (2 x^3 - 1))$$

Sequence: A252692
Score: 3.67744
Type of gen. func.: ogf

$$(4256 x^9 - 6600 x^8 - 9396 x^7 + 16566 x^6 - 1663 x^5 + 1127 x^4 - 7927 x^3 + 2483 x^2 + 1781 x - 707) / ((2 x - 1) (x - 1) (2 x^2 - 1) (x^2 + x - 1) (2 x^3 - 1))$$

Sequence: A252706
Score: 11.3742
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^4 + x^3 + x + 2}{-x^6 + 1}$$

Sequence: A252712
Score: 3.78484
Type of gen. func.: ogf

$$(12 x^{10} + 84 x^9 - 436 x^8 + 11 x^7 + 365 x^6 + 234 x^5 - 24 x^4 - 249 x^3 - 30 x^2 + 6 x + 39) / ((x + 1) (3 x^3 - 1) (4 x^3 - 1) (x - 1)^2)$$

Sequence: A252713
Score: 5.33302
Type of gen. func.: ogf

$$\frac{2 (36 x^8 + 84 x^7 - 275 x^6 + 9 x^5 - 34 x^4 + 172 x^3 - 5 x^2 + 3 x - 26)}{(x - 1) (3 x^3 - 1) (4 x^3 - 1)}$$

Sequence: A252714
Score: 8.51707
Type of gen. func.: ogf

$$\frac{15 x^5 + 99 x^4 - 192 x^3 + 12 x^2 - 20 x + 70}{(3 x^3 - 1) (x - 1)}$$

Sequence: A252715
Score: 4.19333
Type of gen. func.: ogf

$$(24 x^{11} + 138 x^{10} - 262 x^9 - 64 x^8 - 447 x^7 + 877 x^6 + x^5 + 236 x^4 - 549 x^3 + 7 x^2 - 33 x + 96) / ((x - 1) (3 x^3 - 1) (x^6 - 3 x^3 + 1))$$

Sequence: A252716
Score: 3.90415
Type of gen. func.: ogf

$$(24 x^{11} + 219 x^{10} - 367 x^9 - 51 x^8 - 715 x^7 + 1208 x^6 - 35 x^5 + 395 x^4 - 748 x^3 + 17 x^2 - 60 x + 129) / ((x - 1) (3 x^3 - 1) (x^6 - 3 x^3 + 1))$$

Sequence: A252717
Score: 5.40125
Type of gen. func.: ogf

$$\frac{8 x^8 + 107 x^7 - 171 x^6 - 14 x^5 - 311 x^4 + 503 x^3 - 19 x^2 + 84 x - 175}{(x - 1) (x^6 - 3 x^3 + 1)}$$

Sequence: A252721
Score: 7.41982
Type of gen. func.: ogf

$$\frac{2 x^{7} + 4 x^{6} + 18 x^{5} - 73 x^{4} - 73 x^{3} + 5 x^{2} + 46 x + 45}{(x - 1) (x + 1) (2 x^{3} - 1)}$$

Sequence: A252722
Score: 8.46940
Type of gen. func.: ogf

$$\frac{2 (12 x^{5} - 44 x^{4} - 47 x^{3} + 4 x^{2} + 28 x + 27)}{(x - 1) (x + 1) (2 x^{3} - 1)}$$

Sequence: A252723
Score: 6.25843
Type of gen. func.: ogf

$$\frac{42 x^{7} - 78 x^{6} - 224 x^{5} - 271 x^{4} - 75 x^{3} + 156 x^{2} + 160 x + 84}{(x - 1) (x + 1) (2 x^{3} - 1) (x^{2} + x + 1)}$$

Sequence: A252724
Score: 5.59967
Type of gen. func.: ogf

$$\frac{2 x^{8} + 42 x^{7} - 138 x^{6} - 325 x^{5} - 357 x^{4} - 79 x^{3} + 221 x^{2} + 213 x + 111}{(x - 1) (x + 1) (2 x^{3} - 1) (x^{2} + x + 1)}$$

Sequence: A252725
Score: 5.61236
Type of gen. func.: ogf

$$\frac{8 x^{8} + 86 x^{7} - 182 x^{6} - 496 x^{5} - 565 x^{4} - 147 x^{3} + 324 x^{2} + 319 x + 165}{{}^{3} \qquad {}^{2}}$$

$$(x - 1) (x + 1) (2 x - 1) (x + x + 1)$$

Sequence: A252726
Score: 5.39214
Type of gen. func.: ogf

$$\frac{16 x^{8} + 144 x^{7} - 232 x^{6} - 720 x^{5} - 886 x^{4} - 290 x^{3} + 444 x^{2} + 477 x + 257}{(x - 1) (x + 1) (2 x^{3} - 1) (x^{2} + x + 1)}$$

Sequence: A252747
Score: 8.07104
Type of gen. func.: ogf

$$- \frac{2 (x^{4} - 26 x^{2} + 12 x + 9)}{(x - 1) (x^{2} + 6 x + 1) (x^{2} - 6 x + 1)}$$

Sequence: A252762
Score: 4.18429
Type of gen. func.: ogf

$$-(10856742611160992 f(x) + 680403635358327)$$

$$(f(x) x^{3} - 195 f(x) x^{2} + 195 f(x) x - 15 x^{2} - f(x) + 268 x + 3)$$

Sequence: A252762
Score: 5.17084
Type of gen. func.: ogf

$\{-a(n + 3) + 195 a(n + 2) - 195 a(n + 1) + a(n), a(0) = 3, a(1) = 853,$

$a(2) = 165735\}$

Sequence: A252762
Score: 9.35313
Type of gen. func.: ogf

$$\frac{15 x^{2} - 268 x - 3}{}$$

$$(x - 1) (x^2 - 194 x + 1)$$

Sequence: A252763
Score: 4.68528
Type of gen. func.: ogf

$$(279550725951 f(x) - 33213235030)$$

$$(f(x) x^3 - 195 f(x) x^2 + 195 f(x) x + 24 x^2 - f(x) - 80 x + 8)$$

Sequence: A252763
Score: 5.21427
Type of gen. func.: ogf

$$\{-a(n + 3) + 195 a(n + 2) - 195 a(n + 1) + a(n), a(0) = 8, a(1) = 1480, a(2) = 287064\}$$

Sequence: A252763
Score: 5.67167
Type of gen. func.: lgdogf

$$-\frac{-3 x^4 + 20 x^3 - 1368 x^2 + 384 x - 185}{-3 x^5 + 595 x^4 - 2536 x^3 + 2148 x^2 - 205 x + 1}$$

Sequence: A252763
Score: 9.65030
Type of gen. func.: ogf

$$-\frac{8 (3 x^2 - 10 x + 1)}{(x - 1) (x^2 - 194 x + 1)}$$

Sequence: A252769
Score: 11.5448
Type of gen. func.: ogf

$$\frac{2 (7 x - 47)}{}$$

$$(x - 1) (x^2 - 62 x + 1)$$

Sequence: A252769
Score: 4.80333
Type of gen. func.: ogf

$$-(233705092080910 f(x) + 1424511855159)$$

$$(f(x) x^3 - 63 f(x) x^2 + 63 f(x) x - f(x) - 14 x + 94)$$

Sequence: A252769
Score: 5.35005
Type of gen. func.: ogf

$$\{-a(n + 3) + 63 a(n + 2) - 63 a(n + 1) + a(n), a(0) = 94, a(1) = 5908,$$

$$a(2) = 366282\}$$

Sequence: A252769
Score: 6.71486
Type of gen. func.: lgdogf

$$- \frac{-14 x^3 + 582 x^2 - 5922 x + 2954}{-7 x^4 + 488 x^3 - 3402 x^2 + 2968 x - 47}$$

Sequence: A252770
Score: 4.4412
Type of gen. func.: ogf

$$-(6360517291300032 f(x) + 244941303830975)$$

$$(f(x) x^3 - 63 f(x) x^2 + 63 f(x) x + 3 x^2 - f(x) - 169 x + 148)$$

Sequence: A252770
Score: 5.37242
Type of gen. func.: ogf

$$\{-a(n + 3) + 63 a(n + 2) - 63 a(n + 1) + a(n), a(0) = 148, a(1) = 9155,$$

$$a(2) = 567444\}$$

Sequence: A252770
Score: 9.94298
Type of gen. func.: ogf

$$-\frac{3x^2-169x+148}{(x-1)(x^2-62x+1)}$$

Sequence: A252778
Score: 3.43991
Type of gen. func.: ogf

$$6x^2(11x^7+92x^6+2829x^5+13850x^4+26045x^3+15504x^2+2123x+26)\Big/(x-1)^{10}$$

Sequence: A252779
Score: 3.43991
Type of gen. func.: ogf

$$\frac{36x^2(x^7+18x^6+481x^5+2280x^4+4355x^3+2594x^2+347x+4)}{(x-1)^{10}}$$

Sequence: A252814
Score: 7.86710
Type of gen. func.: lgdogf

$$-\frac{x^4-6x^3+6x^2-2x+6}{x^5-6x^4+12x^3-11x^2+6x-2}$$

Sequence: A252814
Score: 8.11554
Type of gen. func.: ogf

$$-\frac{x^4 - 5x^3 + 7x^2 - 4x + 2}{(x-1)^5}$$

Sequence: A252815
Score: 5.76323
Type of gen. func.: ogf

$$-\frac{2x^6 - 11x^5 + 27x^4 - 37x^3 + 28x^2 - 11x + 4}{(x-1)^7}$$

Sequence: A252816
Score: 3.82727
Type of gen. func.: ogf

$$-\frac{2x^8 - 18x^7 + 67x^6 - 138x^5 + 176x^4 - 147x^3 + 79x^2 - 23x + 7}{(x-1)^9}$$

Sequence: A252822
Score: 5.83511
Type of gen. func.: ogf

$$-\frac{x^6 - 4x^5 + 9x^4 - 17x^3 + 18x^2 - 8x + 2}{(x-1)^7}$$

Sequence: A252823
Score: 3.63034
Type of gen. func.: ogf

$$\frac{3x^8 - 23x^7 + 75x^6 - 137x^5 + 163x^4 - 140x^3 + 81x^2 - 22x + 4}{(x-1)^{10}}$$

Sequence: A252831

Score: 8.97068
Type of gen. func.: ogf

$$-\frac{2x^5+26x^4+30x^3+17x^2+x+4}{(x-1)^3}$$

Sequence: A252832
Score: 6.79391
Type of gen. func.: ogf

$$-\frac{5x^7+45x^6+295x^5+347x^4+192x^3+61x^2+8x+7}{(x-1)^3}$$

Sequence: A252833
Score: 5.16387
Type of gen. func.: ogf

$$-(15x^9+170x^8+865x^7+3884x^6+4458x^5+2457x^4+758x^3+162x^2+20x+11)\Big/(x-1)^3$$

Sequence: A252834
Score: 4.08526
Type of gen. func.: ogf

$$-(50x^{11}+676x^{10}+4171x^9+15495x^8+54521x^7+60328x^6+32656x^5+9935x^4+2017x^3+322x^2+37x+16)\Big/(x-1)^3$$

Sequence: A252854
Score: 4.22347
Type of gen. func.: ogf

$$-(206f(x)+5157)(f(x)x^4-2f(x)x^3-3f(x)x^2+54x^3+4f(x)x-81x^2-f(x)-189x+117)$$

Sequence: A252854
Score: 7.73453
Type of gen. func.: ogf

$$-\frac{9 (6 x^3 - 9 x^2 - 21 x + 13)}{(x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A252855
Score: 3.95501
Type of gen. func.: ogf

$$-\frac{9 (52 x^8 + 92 x^7 + 26 x^6 - 69 x^5 - 123 x^4 - 79 x^3 + 3 x^2 + 17 x + 31)}{(x - 1) (x^2 + x + 1) (2 x^6 + 2 x^5 - 2 x^4 - 2 x^3 - x^2 - x + 1)}$$

Sequence: A252856
Score: 4.22267
Type of gen. func.: ogf

$$9 (2 x^9 + 20 x^8 - 95 x^7 + 86 x^6 - 35 x^5 + 38 x^4 + 48 x^3 + 31 x^2 + 70 x - 76) \Big/ ((x - 1) (x^2 + x + 1) (x^5 - 2 x^4 + x^3 - 2 x + 1))$$

Sequence: A252863
Score: 13.8984
Type of gen. func.: ogf

$$-\frac{4 x - 1}{16 x^2 - 20 x + 1}$$

Sequence: A252863
Score: 6.94919
Type of gen. func.: ogf

$$-(345 f(x) - 89) (16 f(x) x^2 - 20 f(x) x + f(x) + 4 x - 1)$$

Sequence: A252863
Score: 7.68499
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1) + 16 a(n), a(0) = 1, a(1) = 16\}$$

Sequence: A252863
Score: 9.33177
Type of gen. func.: lgdogf

$$-\frac{-64 x^2 + 32 x - 16}{-64 x^3 + 96 x^2 - 24 x + 1}$$

Sequence: A252864
Score: 3.88190
Type of gen. func.: ogf

$$\frac{(x - 1) (x^2 + x + 1) (x^8 + 2 x^7 + 2 x^6 + 2 x^5 + x^4 + x^3 + x^2 + 1)}{x^3 + x - 1}$$

Sequence: A252870
Score: 4.27260
Type of gen. func.: ogf

$$\{(20 n^2 + 106 n + 132) a(n + 1) + (-49 n^2 - 239 n - 270) a(n + 2)$$

$$+ (29 n^2 + 97 n + 78) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 8\}$$

Sequence: A252870
Score: 8.73301
Type of gen. func.: ogf

$$-\frac{x (x^3 - 4 x^2 + 3 x + 1)}{(x - 1)^5}$$

Sequence: A252870
Score: 9.93380
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 9 x^2 + 4 x + 8}{x^4 - 5 x^3 + 7 x^2 - 2 x - 1}$$

Sequence: A252871
Score: 5.79712
Type of gen. func.: ogf

$$-\frac{2 x^6 - 10 x^5 + 21 x^4 - 22 x^3 + 9 x^2 + x + 1}{(x - 1)^7}$$

Sequence: A252872
Score: 3.87151
Type of gen. func.: ogf

$$-\frac{2 x^8 - 17 x^7 + 59 x^6 - 110 x^5 + 120 x^4 - 78 x^3 + 27 x^2 - x + 3}{(x - 1)^9}$$

Sequence: A252924
Score: 4.72809
Type of gen. func.: ogf

$$\frac{x^3 (x^5 - 3 x^4 - 3 x^3 + 15 x^2 - 10 x - 1)}{(x - 1)^9}$$

Sequence: A252932
Score: 8.52805
Type of gen. func.: ogf

5   4   3   2

$$\frac{x + 7 x + 4 x + 5 x - 3 x + 2}{(x - 1)^4}$$

Sequence: A252933
Score: 6.26331
Type of gen. func.: ogf

$$\frac{4 x^7 + 40 x^6 + 122 x^5 + 98 x^4 + 39 x^3 + 16 x^2 - 3 x + 4}{(x - 1)^4}$$

Sequence: A252934
Score: 5.16126
Type of gen. func.: ogf

$$(20 x^9 + 293 x^8 + 1331 x^7 + 2849 x^6 + 2340 x^5 + 1013 x^4 + 271 x^3 + 65 x^2 + 2 x + 8) / (x - 1)^4$$

Sequence: A252935
Score: 3.63480
Type of gen. func.: ogf

$$(128 x^{11} + 2477 x^{10} + 15733 x^9 + 49399 x^8 + 86878 x^7 + 70316 x^6 + 31149 x^5 + 8341 x^4 + 1529 x^3 + 252 x^2 + 23 x + 15) / (x - 1)^4$$

Sequence: A252940
Score: 11.1045
Type of gen. func.: ogf

$$\frac{9 x^{14} - 8 x^{13} + 15 x^{12} - 16 x^{11} - 1}{x - 1}$$

Sequence: A252945

Score: 4.81813
Type of gen. func.: ogf

$$-\frac{9\,(24x^5-32x^4+6x^3+30x^2-49x+22)}{(x-1)(4x^5-2x^4+4x^2-5x+1)}$$

Sequence: A252956
Score: 3.67259
Type of gen. func.: ogf

$$(420x^9+4830x^8-16334x^7+14137x^6-91x^5-2981x^4-386x^3-85x^2+737x-223)\Big/\left((2x-1)(3x^2-1)(7x^3-1)(x-1)^2\right)$$

Sequence: A252970
Score: 4.17108
Type of gen. func.: ogf

$$\{(8n^2+46n+66)\,a(n+1)+(-19n^2-79n-52)\,a(n+2)+(11n^2+15n+4)\,a(n+3),\ a(0)=0,\ a(1)=0,\ a(2)=1\}$$

Sequence: A252970
Score: 6.60729
Type of gen. func.: ogf

$$-\frac{x^2\,(3x^3-9x^2+6x+1)}{(x-1)^7}$$

Sequence: A252970
Score: 8.68167
Type of gen. func.: lgdogf

$$-\frac{12x^3-36x^2+18x+13}{3x^4-12x^3+15x^2-5x-1}$$

Sequence: A252971
Score: 3.54265
Type of gen. func.: ogf

$$\frac{x\,(2x^{8} - 14x^{7} + 43x^{6} - 78x^{5} + 94x^{4} - 70x^{3} + 18x^{2} + 8x + 1)}{(x-1)^{10}}$$

Sequence: A252978
Score: 7.73247
Type of gen. func.: ogf

$$-\frac{48x^{6} + 151x^{5} + 169x^{4} + 32x^{3} + x^{2} - 2x + 1}{(x-1)^{3}}$$

Sequence: A252979
Score: 5.91875
Type of gen. func.: ogf

$$-\frac{730x^{8} + 3476x^{7} + 6117x^{6} + 4917x^{5} + 1129x^{4} + 5x^{3} + 3x^{2} + 4x + 3}{(x-1)^{3}}$$

Sequence: A252980
Score: 4.20335
Type of gen. func.: ogf

$$-(17856x^{10} + 116199x^{9} + 298886x^{8} + 379211x^{7} + 243514x^{6} + 57041x^{5} + 1673x^{4} + 566x^{3} + 161x^{2} + 23x + 6) \Big/ (x-1)^{3}$$

Sequence: A252985
Score: 6.55602
Type of gen. func.: ogf

$${}^{3} \qquad {}^{2}$$

$$\frac{68 x + 151 x - 578 x - 1}{(x - 1) (x^2 + 38 x + 1) (x^2 - 38 x + 1)}$$

Sequence: A252986
Score: 6.04689
Type of gen. func.: ogf

$$- \frac{x^4 + 85 x^3 - 1251 x^2 + 731 x + 2}{(x - 1) (x^2 + 38 x + 1) (x^2 - 38 x + 1)}$$

Sequence: A252994
Score: 11.0913
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 26\}$$

Sequence: A252994
Score: 15.1581
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 26 x$$

Sequence: A252994
Score: 23.9339
Type of gen. func.: ogf

$$\frac{26 x}{(x - 1)^2}$$

Sequence: A252994
Score: 32.4817
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A252994
Score: 69.6328
Type of gen. func.: ogf_with_Euler_transform]

$$[2]$$

Sequence: A252999
Score: 7.35711
Type of gen. func.: lgdogf

$$-\frac{224 x^3 + 634 x^2 + 388 x + 34}{28 x^5 + 84 x^4 + 37 x^3 - 119 x^2 - 29 x - 1}$$

Sequence: A252999
Score: 7.50574
Type of gen. func.: ogf

$$\frac{x^3 (28 x^4 + 112 x^3 + 149 x^2 + 30 x + 1)}{(x - 1)^4}$$

Sequence: A253000
Score: 5.28686
Type of gen. func.: ogf

$$(183 x^9 + 1154 x^8 + 2810 x^7 + 3118 x^6 + 859 x^5 + 68 x^4 - x^3 + 3 x^2 - 3 x + 1) \Big/ (x - 1)^4$$

Sequence: A253001
Score: 4.05195
Type of gen. func.: ogf

$$(1453 x^{11} + 12629 x^{10} + 45975 x^9 + 87826 x^8 + 87677 x^7 + 27642 x^6 + 3088 x^5 - 55 x^4 + x^3 + 2 x^2 - 2 x + 4) \Big/ (x - 1)^4$$

Sequence: A253006
Score: 6.24591
Type of gen. func.: ogf

$$\frac{x^3 (4 x^6 + 44 x^5 + 385 x^4 + 694 x^3 + 422 x^2 + 50 x + 1)}{(x - 1)^4}$$

Sequence: A253007
Score: 3.92790
Type of gen. func.: ogf

$$(25 x^{12} + 375 x^{11} + 2605 x^{10} + 17119 x^9 + 42525 x^8 + 44788 x^7 + 20582 x^6 + 2930 x^5 + 123 x^4 - x^3 + 3 x^2 - 3 x + 1) / (x - 1)^4$$

Sequence: A253012
Score: 18.2130
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9 + x^4 + x^3 + x^2 + 1$$

Sequence: A253012
Score: 7.55011
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 + x^2 - x + 1}{(x^2 + 1) (x^2 + x + 1) (x - 1)^3}$$

Sequence: A253017
Score: 5.05478
Type of gen. func.: ogf

$$-\frac{112 x^8 - 16 x^7 - 80 x^6 + 200 x^5 + 73 x^4 + 45 x^3 - 133 x^2 - 50 x - 25}{}$$

$$(4 x^3 - 1)^2$$

Sequence: A253018
Score: 11.3038
Type of gen. func.: ogf

$$\frac{6 x^4 + 12 x^3 - 51 x^2 - 37 x - 25}{3 x^3 - 1}$$

Sequence: A253018
Score: 6.84175
Type of gen. func.: ogf

$$\{a(n + 5) - 3 a(n + 2), a(0) = 25, a(1) = 37, a(2) = 51, a(3) = 63, a(4) = 105\}$$

Sequence: A253018
Score: 7.42817
Type of gen. func.: ogf

$$-(1076 f(x) - 3759) (3 f(x) x^3 - 6 x^4 - 12 x^3 + 51 x^2 - f(x) + 37 x + 25)$$

Sequence: A253019
Score: 5.32800
Type of gen. func.: ogf

$$(3 x^{10} + 6 x^9 - 87 x^8 - 59 x^7 - 67 x^6 + 275 x^5 + 167 x^4 + 131 x^3 - 83 x^2 - 50 x - 37) / ((3 x^3 - 1) (x^6 - 3 x^3 + 1))$$

Sequence: A253020
Score: 3.82616
Type of gen. func.: ogf

$$(9 x^{14} + 6 x^{13} + x^{12} - 103 x^{11} - 65 x^{10} - 15 x^9 + 106 x^8 + 66 x^7 - 8 x^6 + 315 x^5 + 196 x^4 + 135 x^3 - 133 x^2 - 83 x - 51) / ((x^6 - 3 x^3 + 1)$$

$$\Big/ \quad (x^{6} + 2 x^{3} - 1))$$

Sequence: A253021
Score: 4.90630
Type of gen. func.: ogf

$$(2 x^{11} + 5 x^{10} + 4 x^{9} - 56 x^{8} - 53 x^{7} - 33 x^{6} - 64 x^{5} - 43 x^{4} - 34 x^{3} + 120 x^{2} + 91 x + 63) \Big/ ((x - 1) (x^{2} + x + 1) (x^{6} + 2 x^{3} - 1))$$

Sequence: A253029
Score: 11.0896
Type of gen. func.: ogf

$$- \frac{27 (6 x + 11)}{3 x^{2} + 5 x - 1}$$

Sequence: A253029
Score: 5.78074
Type of gen. func.: ogf

$$(371 f(x) - 9720) (3 f(x) x^{2} + 5 f(x) x - f(x) + 162 x + 297)$$

Sequence: A253029
Score: 6.24586
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) - 3 a(n), a(0) = 297, a(1) = 1647\}$$

Sequence: A253029
Score: 7.65338
Type of gen. func.: lgdogf

$$- \frac{-18 x^{2} - 66 x - 61}{{}^{3} \qquad {}^{2}}$$

$-18 x - 63 x - 49 x + 11$

Sequence: A253030
Score: 4.27065
Type of gen. func.: ogf

$$-\frac{27 (1280 x^5 + 784 x^4 - 1268 x^3 - 244 x^2 - 68 x + 61)}{160 x^6 + 80 x^5 - 174 x^4 - 10 x^3 - 5 x^2 + 9 x - 1}$$

Sequence: A253045
Score: 3.85388
Type of gen. func.: ogf

$$-(85967115264 f(x) + 14617013404483271) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 53947 x^3 - 4 f(x) x + 152471 x^2 + f(x) - 144095 x + 45523)$$

Sequence: A253045
Score: 7.50493
Type of gen. func.: ogf

$$\frac{53947 x^3 - 152471 x^2 + 144095 x - 45523}{(x - 1)^4}$$

Sequence: A253062
Score: 7.15627
Type of gen. func.: ogf

$$-\frac{x (x^8 - x^7 + x^6 - x^5 + x^4 + x^3 - x^2 - x - 1)}{(3 x^3 - 1) (x - 1)}$$

Sequence: A253067
Score: 7.78515
Type of gen. func.: ogf

$$-\frac{(2x+1)(4x^3+3x^2+2x+1)}{8x^5+6x^4+13x^3+5x^2+x-1}$$

Sequence: A253068
Score: 11.0640
Type of gen. func.: lgdogf

$$-\frac{-32x^4-48x^3-18x^2+20x+6}{-32x^5+22x^3+11x^2-1}$$

Sequence: A253068
Score: 16.5052
Type of gen. func.: ogf

$$\frac{4x^2+3x+1}{(x-1)(2x+1)(4x-1)}$$

Sequence: A253068
Score: 8.83177
Type of gen. func.: ogf

$$(57 f(x) - 134)(8 f(x) x^3 - 6 f(x) x^2 - 3 f(x) x - 4 x^2 + f(x) - 3 x - 1)$$

Sequence: A253068
Score: 8.90991
Type of gen. func.: ogf

$$\{a(n+3) - 3a(n+2) - 6a(n+1) + 8a(n), a(0) = 1, a(1) = 6, a(2) = 28\}$$

Sequence: A253070
Score: 6.98175
Type of gen. func.: ogf

```
                              5    3    2
           (2 x + 1) (2 x  + x  - x  + x + 1)
  - -------------------------------------------------
        7      6       5      4    3      2
```

$$8 x - 8 x + 10 x - 6 x - x + 3 x + 3 x - 1$$

Sequence: A253072
Score: 7.89334
Type of gen. func.: ogf

$$- \frac{8 x^4 - 28 x^3 + 16 x^2 - x - 1}{8 x^5 - 44 x^4 + 24 x^3 + 5 x^2 - 6 x + 1}$$

Sequence: A253093
Score: 4.64162
Type of gen. func.: ogf

$$\{(-9 n^2 + 9 n) a(n) + (10 n^2 + 20 n + 6) a(n + 1) + (-n^2 - 5 n - 6) a(n + 2),$$
$$a(0) = 1, a(1) = -2\}$$

Sequence: A253094
Score: 4.25051
Type of gen. func.: ogf

$$\{(9 n^2 - 18 n) a(n + 1) + (-10 n^2 - 30 n - 5) a(n + 2)$$
$$+ (n^2 + 8 n + 15) a(n + 3), a(0) = 1, a(1) = -5, a(2) = 6\}$$

Sequence: A253095
Score: 3.52267
Type of gen. func.: ogf

$$\{(64 n^3 + 576 n^2 + 1664 n + 1536) a(n + 1)$$
$$+ (-20 n^3 - 270 n^2 - 1186 n - 1692) a(n + 2)$$
$$+ (n^3 + 18 n^2 + 107 n + 210) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 22\}$$

Sequence: A253101
Score: 13.8414
Type of gen. func.: ogf

$$-\frac{4x^3-3x^2+1}{(2x-1)(x^2-4x+1)}$$

Sequence: A253101
Score: 6.71413
Type of gen. func.: ogf

$\{a(n+4)-6a(n+3)+9a(n+2)-2a(n+1), a(0)=1, a(1)=6, a(2)=24,$

$a(3)=96\}$

Sequence: A253101
Score: 7.82344
Type of gen. func.: ogf

$$(f(x)-1)(2f(x)x^3-9f(x)x^2+4x^3+6f(x)x-3x^2-f(x)+1)$$

Sequence: A253101
Score: 8.10535
Type of gen. func.: lgdogf

$$-\frac{-30x^4+48x^3-36x^2+24x-6}{-8x^6+42x^5-51x^4+20x^3+6x^2-6x+1}$$

Sequence: A253103
Score: 4.85735
Type of gen. func.: ogf

$$-(14902137f(x)-14239096)(64f(x)x^4+40f(x)x^3-30f(x)x^2+64x^3$$

$$-5f(x)x+40x^2+f(x)-22x-1)$$

Sequence: A253103
Score: 9.42208
Type of gen. func.: ogf

$$-\frac{64x^3+40x^2-22x-1}{(4x+1)(8x-1)(2x-1)(x+1)}$$

Sequence: A253105
Score: 6.06979
Type of gen. func.: ogf

$$-\frac{4x^6-8x^5-x^4-6x^3-4x-1}{8x^7-8x^6-12x^5+29x^4-6x^3-4x+1}$$

Sequence: A253120
Score: 10.1239
Type of gen. func.: ogf

$$\frac{5x^2-111x-6}{(x-1)(x^2-98x+1)}$$

Sequence: A253120
Score: 4.50723
Type of gen. func.: ogf

$$-(529542399683040\, f(x) + 14480763733999)$$

$$(f(x)\, x^3 - 99\, f(x)\, x^2 + 99\, f(x)\, x - 5x^2 - f(x) + 111x + 6)$$

Sequence: A253120
Score: 5.48380
Type of gen. func.: ogf

$\{-a(n+3) + 99\, a(n+2) - 99\, a(n+1) + a(n),\ a(0) = 6,\ a(1) = 705,$

$a(2) = 69196\}$

Sequence: A253120
Score: 5.52988
Type of gen. func.: lgdogf

$$-\frac{5x^4 - 222x^3 + 10476x^2 + 1198x - 705}{5x^5 - 606x^4 + 11478x^3 - 10400x^2 - 483x + 6}$$

Sequence: A253121
Score: 4.37274
Type of gen. func.: ogf

$$(783599407845 f(x) - 70665565291)$$

$$(f(x) x^3 - 99 f(x) x^2 + 99 f(x) x + 10 x^2 - f(x) - 52 x + 18)$$

Sequence: A253121
Score: 4.87046
Type of gen. func.: ogf

$$\{-a(n + 3) + 99 a(n + 2) - 99 a(n + 1) + a(n), a(0) = 18, a(1) = 1730,$$

$$a(2) = 169498\}$$

Sequence: A253121
Score: 9.07677
Type of gen. func.: ogf

$$-\frac{2(5x^2 - 26x + 9)}{(x - 1)(x^2 - 98x + 1)}$$

Sequence: A253122
Score: 11.6313
Type of gen. func.: ogf

$$-\frac{4(4x^2 - x - 1)}{(2x - 1)(2x^2 - 1)}$$

Sequence: A253122
Score: 6.27076
Type of gen. func.: ogf

$$(27 f(x) + 536) (4 f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + 16 x^2 + f(x) - 4 x - 4)$$

Sequence: A253122
Score: 6.32577
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + 4 a(n), a(0) = 4, a(1) = 12, a(2) = 16\}$$

Sequence: A253122
Score: 7.21138
Type of gen. func.: lgdogf

$$- \frac{-16 x^4 + 8 x^3 + 2 x^2 + 4 x - 3}{-16 x^5 + 12 x^4 + 10 x^3 - 8 x^2 - x + 1}$$

Sequence: A253130
Score: 7.58863
Type of gen. func.: lgdogf

$$- \frac{x^4 - 6 x^3 + 6 x^2 - 14 x + 53}{x^5 - 6 x^4 + 12 x^3 - 14 x^2 + 19 x - 12}$$

Sequence: A253130
Score: 8.06292
Type of gen. func.: ogf

$$- \frac{(x - 3) (x^3 - 2 x^2 + x - 4)}{(x - 1)^5}$$

Sequence: A253131
Score: 6.14927
Type of gen. func.: ogf

6   5   4   2

```
                      x  - 4 x  - 12 x  + 27 x  + 42 x + 16
                    - -------------------------------------
                                          2        5
                                (x + 1)  (x - 1)
```

Sequence: A253136
Score: 16.4994
Type of gen. func.: ogf_with_Euler_transform]

```
                           10    9    7      4    3
                        2 x   + x  + x  + 2 x  + x  + 2 x
                      - ---------------------------------
                                      12
                                     x   - 1
```

Sequence: A253144
Score: 25.6656
Type of gen. func.: ogf_with_Euler_transform]

```
                                     9    6
                                   -x  - x  - 1
                                 - ------------
                                       12
                                     -x   + 1
```

Sequence: A253145
Score: 11.5555
Type of gen. func.: ogf

```
                                     2
                                 x (x  - 3 x + 3)
                               - ----------------
                                            3
                                     (x - 1)
```

Sequence: A253145
Score: 11.7361
Type of gen. func.: lgdogf

```
                                    2
                                  -x  + 4 x - 6
                             - --------------------
                                 3      2
                               -x  + 4 x  - 6 x + 3
```

Sequence: A253145
Score: 5.69021

```
Type of gen. func.: ogf


{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 0, a(1) = 3, a(2) = 6,

    a(3) = 10}



--------------------------------------------------------------------------------

Sequence:  A253145
Score: 6.76674
Type of gen. func.: ogf


                     3           2    3                  2
        -f(x) (f(x) x  - 3 f(x) x  + x  + 3 f(x) x - 3 x  - f(x) + 3 x)



--------------------------------------------------------------------------------

Sequence:  A253150
Score: 4.31563
Type of gen. func.: ogf


         8        7         6          5          4          3          2
- 2 (35 x  - 824 x  + 6371 x  - 22148 x  + 38512 x  - 34324 x  + 15361 x

                       /             2              2
     - 3160 x + 225)  /  ((x - 1) (x  - 5 x + 1) (x  - 3 x + 1)
                     /

      4       3       2
    (x  - 15 x  + 32 x  - 15 x + 1))



--------------------------------------------------------------------------------

Sequence:  A253151
Score: 4.21348
Type of gen. func.: ogf


{a(n + 5) - 3 a(n + 4) + 2 a(n + 3), a(0) = 16, a(1) = 72, a(2) = 94,

    a(3) = 164, a(4) = 308}



--------------------------------------------------------------------------------

Sequence:  A253151
Score: 4.27781
Type of gen. func.: ogf


-(1500718 f(x) + 104970881)

         4           2       3                  2
    (-4 x  + 2 f(x) x  - 26 x  - 3 f(x) x + 90 x  + f(x) - 24 x - 16)



--------------------------------------------------------------------------------

Sequence:  A253151
Score: 7.67662
```

Type of gen. func.: ogf

$$\frac{2 (2 x^4 + 13 x^3 - 45 x^2 + 12 x + 8)}{(2 x - 1) (x - 1)}$$

Sequence: A253152
Score: 5.59725
Type of gen. func.: ogf

$$-(795590 f(x) - 1082971)$$

$$(8 x^4 + 2 f(x) x^2 + 20 x^3 - 3 f(x) x + 16 x^2 + f(x) + 9 x - 16)$$

Sequence: A253152
Score: 9.87293
Type of gen. func.: ogf

$$- \frac{8 x^4 + 20 x^3 + 16 x^2 + 9 x - 16}{(2 x - 1) (x - 1)}$$

Sequence: A253153
Score: 11.1070
Type of gen. func.: ogf

$$\frac{8 x^4 - 50 x^2 - 45 x + 39}{(2 x - 1) (x - 1)}$$

Sequence: A253153
Score: 5.34474
Type of gen. func.: ogf

$\{-a(n + 5) + 3 a(n + 4) - 2 a(n + 3), a(0) = 39, a(1) = 72, a(2) = 88,$

$a(3) = 120, a(4) = 192\}$

Sequence: A253153
Score: 6.46228
Type of gen. func.: ogf

$$(235 f(x) + 23003) (-8 x^4 + 2 f(x) x^2 - 3 f(x) x + 50 x^2 + f(x) + 45 x - 39)$$

Sequence: A253154
Score: 5.30485
Type of gen. func.: ogf

$$-(80479004 f(x) + 5394423771) (-2 x^4 + 2 f(x) x^2 - 23 x^3 - 3 f(x) x + 32 x^2 + f(x) + 119 x - 69)$$

Sequence: A253154
Score: 5.34474
Type of gen. func.: ogf

$$\{a(n + 5) - 3 a(n + 4) + 2 a(n + 3), a(0) = 69, a(1) = 88, a(2) = 94, a(3) = 129, a(4) = 201\}$$

Sequence: A253154
Score: 9.60609
Type of gen. func.: ogf

$$\frac{2 x^4 + 23 x^3 - 32 x^2 - 119 x + 69}{(2 x - 1) (x - 1)}$$

Sequence: A253155
Score: 5.34114
Type of gen. func.: ogf

$$-(85015484 f(x) + 2328319833) (-2 x^4 + 2 f(x) x^2 - 17 x^3 - 3 f(x) x + 13 x^2 + f(x) + 207 x - 109)$$

Sequence: A253155
Score: 9.61405
Type of gen. func.: ogf

$$\frac{2 x^4 + 17 x^3 - 13 x^2 - 207 x + 109}{}$$

```
                               (2 x - 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A253156
Score: 5.30187
Type of gen. func.: ogf


-(270141884 f(x) + 6147570201)

         4           2       3                  2
    (-2 x  + 2 f(x) x  - 17 x  - 3 f(x) x + 13 x  + f(x) + 351 x - 181)



------------------------------------------------------------------------------

Sequence:  A253156
Score: 9.61405
Type of gen. func.: ogf


                          4       3       2
                       2 x  + 17 x  - 13 x  - 351 x + 181
                       ----------------------------------
                               (2 x - 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A253157
Score: 5.46253
Type of gen. func.: ogf


-(1651292 f(x) + 22259121)

         4           2       3                  2
    (-2 x  + 2 f(x) x  - 17 x  - 3 f(x) x + 13 x  + f(x) + 639 x - 325)



------------------------------------------------------------------------------

Sequence:  A253157
Score: 9.61405
Type of gen. func.: ogf


                          4       3       2
                       2 x  + 17 x  - 13 x  - 639 x + 325
                       ----------------------------------
                               (2 x - 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A253158
Score: 5.21191
Type of gen. func.: ogf


-(3567705884 f(x) - 18136751871)

         4           2       3                  2
    (-2 x  + 2 f(x) x  - 17 x  - 3 f(x) x + 13 x  + f(x) + 1215 x - 613)
```

Sequence: A253158
Score: 9.53232
Type of gen. func.: ogf

$$\frac{2 x^4 + 17 x^3 - 13 x^2 - 1215 x + 613}{(2 x - 1) (x - 1)}$$

Sequence: A253167
Score: 5.96767
Type of gen. func.: ogf

$$\frac{x^4 + 150 x^3 - 816 x^2 - 870 x - 1}{(x - 1) (x^2 - 34 x + 1) (x^2 + 34 x + 1)}$$

Sequence: A253168
Score: 5.88204
Type of gen. func.: ogf

$$- \frac{2 (x^4 + 105 x^3 - 915 x^2 + 615 x + 2)}{(x - 1) (x^2 - 34 x + 1) (x^2 + 34 x + 1)}$$

Sequence: A253171
Score: 5.98645
Type of gen. func.: ogf

$$- \frac{x^6 - 7 x^5 + 21 x^4 - 33 x^3 + 39 x^2 - 9 x + 3}{(x - 1)^7}$$

Sequence: A253175
Score: 11.3565
Type of gen. func.: ogf

$$x^2 - 4 x + 1$$

$$-\frac{}{(x^{2}-10x+1)(x-1)}$$

Sequence: A253175
Score: 6.16778
Type of gen. func.: ogf

$$(1089 f(x) - 8) (f(x) x^{3} - 11 f(x) x^{2} + 11 f(x) x + x^{2} - f(x) - 4 x + 1)$$

Sequence: A253175
Score: 6.22141
Type of gen. func.: ogf

$$\{-a(n + 3) + 11 a(n + 2) - 11 a(n + 1) + a(n), a(0) = 1, a(1) = 7, a(2) = 67\}$$

Sequence: A253175
Score: 7.01433
Type of gen. func.: lgdogf

$$-\frac{-x^{4} + 8 x^{3} - 36 x^{2} + 20 x - 7}{-x^{5} + 15 x^{4} - 56 x^{3} + 56 x^{2} - 15 x + 1}$$

Sequence: A253185
Score: 7.34613
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{10 x^{24} + 4 x^{23} - 8 x^{22} - 4 x - 8}{-x^{25} + x^{23} + 2 x^{2} - 2}$$

Sequence: A253186
Score: 9.86608
Type of gen. func.: ogf

$$\frac{x^{2} (x^{3} - x - 1)}{(x^{2} + x + 1) (x + 1) (x - 1)^{3}}$$

Sequence: A253195
Score: 10.0882
Type of gen. func.: lgdogf

$$-\frac{-x^3 - 7x^2 - 20x - 8}{-x^4 - 3x^3 - 4x^2 + 3x + 5}$$

Sequence: A253195
Score: 13.3958
Type of gen. func.: ogf

$$\frac{x^2 + 3x + 5}{(x + 1)(x - 1)^2}$$

Sequence: A253195
Score: 6.98416
Type of gen. func.: ogf

$$-(9 f(x) + 715) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - 3 x - 5)$$

Sequence: A253195
Score: 7.23138
Type of gen. func.: ogf

$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 5, a(1) = 8, a(2) = 14\}$

Sequence: A253197
Score: 12.1659
Type of gen. func.: ogf

$$\frac{x (x^3 + 2x + 1)}{(x - 1) (x^2 + x + 1) (x^2 + x - 1)}$$

Sequence: A253198
Score: 10.7765
Type of gen. func.: ogf

$$-\frac{x\,(2x^3 - x^2 - x - 1)}{(x-1)\,(x^2 + x + 1)\,(x^2 + x - 1)}$$

Sequence: A253207
Score: 3.98480
Type of gen. func.: ogf

$$-\frac{2x^8 - 18x^7 + 72x^6 - 168x^5 + 254x^4 - 232x^3 + 224x^2 - 40x + 11}{(x-1)^9}$$

Sequence: A253208
Score: 10.4030
Type of gen. func.: lgdogf

$$-\frac{-52x^2 + 32x - 7}{-52x^3 + 81x^2 - 33x + 4}$$

Sequence: A253208
Score: 15.6046
Type of gen. func.: ogf

$$-\frac{13x - 4}{(4x-1)\,(x-1)}$$

Sequence: A253208
Score: 7.88801
Type of gen. func.: ogf

$$-(3 f(x) + 37)\,(4 f(x)\,x^2 - 5 f(x)\,x + f(x) + 13x - 4)$$

Sequence: A253208
Score: 8.75378
Type of gen. func.: ogf

$$\{a(n+2) - 5 a(n+1) + 4 a(n), a(0) = 4, a(1) = 7\}$$

Sequence: A253209
Score: 10.1796
Type of gen. func.: lgdogf

$$-\frac{-186 x^2 + 72 x - 11}{-186 x^3 + 253 x^2 - 73 x + 6}$$

Sequence: A253209
Score: 16.1546
Type of gen. func.: ogf

$$-\frac{31 x - 6}{(6 x - 1) (x - 1)}$$

Sequence: A253209
Score: 8.16607
Type of gen. func.: ogf

$$-(5 f(x) + 91) (6 f(x) x^2 - 7 f(x) x + f(x) + 31 x - 6)$$

Sequence: A253209
Score: 8.95314
Type of gen. func.: ogf

$$\{a(n+2) - 7 a(n+1) + 6 a(n), a(0) = 6, a(1) = 11\}$$

Sequence: A253210
Score: 15.5896
Type of gen. func.: ogf

$$-\frac{43 x - 7}{(7 x - 1) (x - 1)}$$

Sequence: A253210
Score: 7.7948
Type of gen. func.: ogf

$$-(6 f(x) + 127) (7 f(x) x^2 - 8 f(x) x + f(x) + 43 x - 7)$$

Sequence: A253210
Score: 8.64001
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 7 a(n), a(0) = 7, a(1) = 13\}$$

Sequence: A253210
Score: 9.82358
Type of gen. func.: lgdogf

$$-\frac{-301 x^2 + 98 x - 13}{-301 x^3 + 393 x^2 - 99 x + 7}$$

Sequence: A253211
Score: 14.9579
Type of gen. func.: ogf

$$-\frac{57 x - 8}{(8 x - 1) (x - 1)}$$

Sequence: A253211
Score: 7.47894
Type of gen. func.: ogf

$$-(7 f(x) + 169) (8 f(x) x^2 - 9 f(x) x + f(x) + 57 x - 8)$$

Sequence: A253211
Score: 8.28990
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) + 8 a(n), a(0) = 8, a(1) = 15\}$$

Sequence: A253211
Score: 9.17416
Type of gen. func.: lgdogf

$$-\frac{-456 x^2 + 128 x - 15}{-456 x^3 + 577 x^2 - 129 x + 8}$$

Sequence: A253212
Score: 15.2874
Type of gen. func.: ogf

$$-\frac{73 x - 9}{(9 x - 1) (x - 1)}$$

Sequence: A253212
Score: 7.72588
Type of gen. func.: ogf

$$-(8 f(x) + 217) (9 f(x) x^2 - 10 f(x) x + f(x) + 73 x - 9)$$

Sequence: A253212
Score: 8.55365
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) + 9 a(n), a(0) = 9, a(1) = 17\}$$

Sequence: A253212
Score: 9.58009
Type of gen. func.: lgdogf

$$-\frac{-657 x^2 + 162 x - 17}{-657 x^3 + 811 x^2 - 163 x + 9}$$

Sequence: A253213
Score: 14.3061
Type of gen. func.: ogf

$$-\frac{91 x - 10}{(10 x - 1) (x - 1)}$$

Sequence: A253213
Score: 7.37896
Type of gen. func.: ogf

$$-(9 f(x) + 271) (10 f(x) x^2 - 11 f(x) x + f(x) + 91 x - 10)$$

Sequence: A253213
Score: 8.15117
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 10, a(1) = 19\}$$

Sequence: A253213
Score: 9.10391
Type of gen. func.: lgdogf

$$-\frac{-910 x^2 + 200 x - 19}{-910 x^3 + 1101 x^2 - 201 x + 10}$$

Sequence: A253218
Score: 8.31685
Type of gen. func.: ogf

$$-\frac{2 x^6 + 13 x^5 + 47 x^4 + 18 x^3 + x^2 - 2 x + 1}{(x - 1)^3}$$

Sequence: A253219
Score: 6.60729

Type of gen. func.: ogf

$$-\frac{5x^8+45x^7+178x^6+483x^5+259x^4-14x^3+x^2+3}{(x-1)^3}$$

Sequence: A253220
Score: 5.00790
Type of gen. func.: ogf

$$-(15x^{10}+170x^9+865x^8+2590x^7+5860x^6+3466x^5-255x^4+31x^3+45x^2+7x+6)\Big/(x-1)^3$$

Sequence: A253221
Score: 3.97228
Type of gen. func.: ogf

$$-(50x^{12}+676x^{11}+4171x^{10}+15495x^9+38505x^8+77197x^7+46449x^6-3652x^5+561x^4+597x^3+146x^2+19x+10)\Big/(x-1)^3$$

Sequence: A253225
Score: 6.64784
Type of gen. func.: ogf

$$\frac{7x^6+5x^5+15x^4-80x^3-22x^2+103x-47}{(x-1)(2x-1)^2}$$

Sequence: A253226
Score: 5.59462
Type of gen. func.: ogf

$$\frac{x^7-3x^6+76x^5-307x^4+323x^3+89x^2-319x+125}{(x-1)^3(2x-1)}$$

Sequence: A253227
Score: 5.49307
Type of gen. func.: ogf

$$\frac{x^7 - 5 x^6 + 343 x^5 - 1245 x^4 + 1261 x^3 + 219 x^2 - 933 x + 335}{(x - 1)^3 (2 x - 1)}$$

Sequence: A253228
Score: 5.18690
Type of gen. func.: ogf

$$\frac{x^7 - 7 x^6 + 1208 x^5 - 4009 x^4 + 3624 x^3 + 997 x^2 - 2760 x + 907}{(x - 1)^3 (2 x - 1)}$$

Sequence: A253229
Score: 5.11623
Type of gen. func.: ogf

$$\frac{x^7 - 9 x^6 + 3599 x^5 - 11033 x^4 + 8417 x^3 + 4681 x^2 - 8192 x + 2470}{(x - 1)^3 (2 x - 1)}$$

Sequence: A253230
Score: 5.03524
Type of gen. func.: ogf

$$\frac{x^7 - 11 x^6 + 9682 x^5 - 27356 x^4 + 15840 x^3 + 19136 x^2 - 24149 x + 6740}{(x - 1)^3 (2 x - 1)}$$

Sequence: A253243
Score: 5.59714
Type of gen. func.: ogf_with_Euler_transform]

$$2 x^{11} + 2 x^9 - 2 x^8 + x^7 + 4 x^5 + x^3 - 2 x^2 + 2 x$$

```
    - -----------------------------------------------------
                               12
                             -x   + 1
```

Sequence: A253251
Score: 8.26097
Type of gen. func.: ogf

$$-\frac{x^{20}+x^{12}+x^{10}+x^{9}+4\,x^{8}-8\,x^{7}+4\,x^{3}-4\,x^{2}-1}{(x-1)^{2}}$$

Sequence: A253255
Score: 10.4526
Type of gen. func.: revogf

$$-\frac{x^{3}-2\,x^{2}+x}{-x^{4}-2\,x^{3}-3\,x^{2}-2\,x-1}$$

Sequence: A253256
Score: 12.1731
Type of gen. func.: revogf

$$\left(-x/2+1/2+\frac{(-3\,x^{2}-6\,x+1)^{1/2}}{2}\right)x$$

Sequence: A253262
Score: 14.8935
Type of gen. func.: ogf_with_Euler_transform]

$$x^{9}-x^{4}-x^{2}-x+2$$

Sequence: A253262
Score: 5.51781
Type of gen. func.: ogf

$$f(x)\,x^{4}-f(x)\,x^{3}+f(x)\,x^{2}-x^{3}-f(x)\,x-x^{2}+f(x)-x$$

Sequence: A253262
Score: 8.39010
Type of gen. func.: ogf

$$\frac{x\,(x^2 + x + 1)}{x^4 - x^3 + x^2 - x + 1}$$

Sequence: A253265
Score: 13.6460
Type of gen. func.: ogf

$$-\frac{3\,x - 1}{27\,x^3 - 12\,x^2 - 10\,x + 1}$$

Sequence: A253265
Score: 6.58772
Type of gen. func.: ogf

{a(n + 3) - 10 a(n + 2) - 12 a(n + 1) + 27 a(n), a(0) = 1, a(1) = 7, a(2) = 82}

Sequence: A253265
Score: 6.76261
Type of gen. func.: ogf

$$(53023\,f(x) - 6093)\,(27\,f(x)\,x^3 - 12\,f(x)\,x^2 - 10\,f(x)\,x + f(x) + 3\,x - 1)$$

Sequence: A253265
Score: 8.58624
Type of gen. func.: lgdogf

$$-\frac{-162\,x^3 + 117\,x^2 - 24\,x - 7}{-81\,x^4 + 63\,x^3 + 18\,x^2 - 13\,x + 1}$$

Sequence: A253285
Score: 12.1230
Type of gen. func.: lgdogf

$$-\frac{-5 x^{2} - 20 x - 10}{-x^{3} - 2 x^{2} + 2 x + 1}$$

Sequence: A253285
Score: 3.96099
Type of gen. func.: ogf

$$\{(n + 3)\, a(n + 4) + (-6 + 2 n)\, a(n + 3) + (-22 - 2 n)\, a(n + 2) + (-5 - n)\, a(n + 1),\ a(0) = 0,\ a(1) = 24,\ a(2) = 240,\ a(3) = 1200\}$$

Sequence: A253285
Score: 7.69346
Type of gen. func.: ogf

$$-\frac{24 x (x^{2} + 3 x + 1)}{(x - 1)^{7}}$$

Sequence: A253289
Score: 17.7102
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x + 1}{-x^{2} + 2 x - 1}$$

Sequence: A253301
Score: 9.73667
Type of gen. func.: ogf

$$\frac{(x^{2} + x + 1)(x^{3} + x + 1)}{(x^{4} + x^{3} + x^{2} + x + 1)(x - 1)^{2}}$$

Sequence: A253304
Score: 7.92267
Type of gen. func.: ogf

$$\frac{3 x^3 + 7 x^2 - 21 x - 1}{(x - 1) (x^2 - 8 x + 1) (x^2 + 8 x + 1)}$$

Sequence: A253305
Score: 7.28174
Type of gen. func.: ogf

$$- \frac{x^4 + 3 x^3 - 53 x^2 + 27 x + 2}{(x - 1) (x^2 - 8 x + 1) (x^2 + 8 x + 1)}$$

Sequence: A253320
Score: 3.37742
Type of gen. func.: ogf

$$- (64 x^{12} - 150 x^{11} - 144 x^{10} + 574 x^9 - 63 x^8 - 832 x^7 + 444 x^6 + 588 x^5 - 468 x^4 - 232 x^3 + 215 x^2 + 50 x - 44) / ((2 x - 1) (2 x^2 - 1)^2 (x + 1)^3 (x - 1)^5)$$

Sequence: A253344
Score: 5.97081
Type of gen. func.: ogf

$$\frac{19 x^5 + 48 x^4 - 211 x^3 + 68 x^2 + 109 x - 47}{(2 x - 1) (x - 1) (6 x^2 + 3 x - 1)}$$

Sequence: A253345
Score: 3.89486
Type of gen. func.: ogf

$$\frac{512 x^7 + 512 x^6 - 2192 x^5 - 240 x^4 + 2512 x^3 - 716 x^2 - 401 x + 125}{(2 x - 1) (4 x^2 + 2 x - 1) (8 x^4 + 16 x^3 - 12 x^2 - 5 x + 1)}$$

Sequence: A253351
Score: 7.23521
Type of gen. func.: ogf

$$\frac{6 x^5 + 86 x^4 + 104 x^3 - 141 x^2 - 62 x + 47}{(2 x - 1) (6 x^2 + 3 x - 1)}$$

Sequence: A253352
Score: 3.43792
Type of gen. func.: ogf

$$- (192 x^9 + 64 x^8 - 2608 x^7 - 2512 x^6 + 4356 x^5 + 344 x^4 - 2836 x^3 + 815 x^2 + 390 x - 125) / ((2 x - 1) (4 x^2 + 2 x - 1) (8 x^4 + 16 x^3 - 12 x^2 - 5 x + 1))$$

Sequence: A253360
Score: 6.93098
Type of gen. func.: ogf

$$- \frac{8 (48 x^5 + 15 x^4 - 14 x^3 - 6 x^2 + 34 x + 19)}{4 x^6 - 3 x^4 + 4 x^2 - 1}$$

Sequence: A253361
Score: 5.14658
Type of gen. func.: ogf

$$- \frac{8 (72 x^7 + 40 x^6 + 172 x^5 + 64 x^4 - 73 x^3 - 50 x^2 + 53 x + 34)}{4 x^8 + 8 x^6 - 8 x^4 + 5 x^2 - 1}$$

Sequence: A253362
Score: 3.79069
Type of gen. func.: ogf

$$8\,(36\,x^{10} - 24\,x^{9} + x^{8} - 480\,x^{7} - 282\,x^{6} - 564\,x^{5} - 157\,x^{4} + 180\,x^{3} + 116\,x^{2} - 120\,x - 70) \Big/ (16\,x^{8} + 17\,x^{6} - 15\,x^{4} + 7\,x^{2} - 1)$$

Sequence: A253368
Score: 10.9010
Type of gen. func.: lgdogf

$$-\frac{2\,x - 322}{x^{2} - 322\,x + 1}$$

Sequence: A253368
Score: 16.1958
Type of gen. func.: ogf

$$\frac{1}{x^{2} - 322\,x + 1}$$

Sequence: A253368
Score: 6.51556
Type of gen. func.: ogf

$$(51841\,f(x) + 1)\,(f(x)\,x^{2} - 322\,f(x)\,x + f(x) - 1)$$

Sequence: A253368
Score: 6.59133
Type of gen. func.: ogf

$$\{-a(n + 2) + 322\,a(n + 1) - a(n),\ a(0) = 1,\ a(1) = 322\}$$

Sequence: A253391

Score: 7.79459
Type of gen. func.: ogf

$$\frac{2 x^{7} - 2 x^{6} - 4 x^{5} - 16 x^{4} + x^{3} + 61 x^{2} - 14 x - 44}{(x + 1) (x - 1)^{3}}$$

Sequence: A253392
Score: 8.13027
Type of gen. func.: ogf

$$\frac{3 x^{7} + 8 x^{5} - 14 x^{4} - 90 x^{3} + 112 x^{2} + 49 x - 96}{(x + 1) (x - 1)^{3}}$$

Sequence: A253393
Score: 5.21782
Type of gen. func.: ogf

$$(x^{10} - x^{9} - x^{8} + 4 x^{7} + 8 x^{6} + 10 x^{5} - 227 x^{4} + 362 x^{3} + 15 x^{2} - 343 x + 180) / ((x + 1) (x - 1)^{4})$$

Sequence: A253394
Score: 4.57945
Type of gen. func.: ogf

$$(x^{12} - x^{11} - 2 x^{10} + 5 x^{9} - 9 x^{8} + 3 x^{7} + 37 x^{6} + 50 x^{5} - 509 x^{4} + 625 x^{3} + 174 x^{2} - 662 x + 304) / ((x + 1) (x - 1)^{4})$$

Sequence: A253395
Score: 3.76181
Type of gen. func.: ogf

$$(x^{15} - 2 x^{14} + 5 x^{12} - 17 x^{11} + 23 x^{10} - 12 x^{9} - 20 x^{8} + 106 x^{7} + 48 x^{6} - 1054 x^{5} + 1881 x^{4} - 556 x^{3} - 1519 x^{2} + 1584 x - 476) / ((x + 1)$$

/

$(x - 1)^5)$

Sequence: A253410
Score: 7.30669
Type of gen. func.: ogf

$$\frac{95 x^3 + 721 x^2 - 95 x - 1}{(x - 1) (x^2 + 38 x + 1) (x^2 - 38 x + 1)}$$

Sequence: A253411
Score: 6.65667
Type of gen. func.: ogf

$$- \frac{x^4 + 75 x^3 - 872 x^2 + 75 x + 1}{(x - 1) (x^2 + 38 x + 1) (x^2 - 38 x + 1)}$$

Sequence: A253412
Score: 8.99928
Type of gen. func.: ogf

$$- \frac{x^5 + x^4 - x^3 - x^2 - 2 x - 1}{x^6 - x^4 - x^3 - x^2 + 1}$$

Sequence: A253413
Score: 7.74858
Type of gen. func.: ogf

$$\frac{x^6 - 6 x^5 - x^4 + 3 x^3 + 2 x^2 + 2 x + 1}{x^6 - x^4 - x^3 - x^2 + 1}$$

Sequence: A253428
Score: 4.21348

Type of gen. func.: ogf

$$\{a(n+5) - 3\,a(n+4) + 2\,a(n+3),\ a(0) = 16,\ a(1) = 58,\ a(2) = 85,$$

$$a(3) = 156,\ a(4) = 300\}$$

Sequence: A253428
Score: 4.34413
Type of gen. func.: ogf

$$-(645116\,f(x) + 34827109)$$

$$(-2\,x^4 + 2\,f(x)\,x^2 - 17\,x^3 - 3\,f(x)\,x + 57\,x^2 + f(x) - 10\,x - 16)$$

Sequence: A253428
Score: 7.67662
Type of gen. func.: ogf

$$\frac{2\,x^4 + 17\,x^3 - 57\,x^2 + 10\,x + 16}{(2\,x - 1)\,(x - 1)}$$

Sequence: A253429
Score: 5.73266
Type of gen. func.: ogf

$$-(36348\,f(x) - 51899)$$

$$(-2\,x^4 + 2\,f(x)\,x^2 - 5\,x^3 - 3\,f(x)\,x + 23\,x^2 + f(x) + 59\,x - 39)$$

Sequence: A253429
Score: 9.87293
Type of gen. func.: ogf

$$\frac{2\,x^4 + 5\,x^3 - 23\,x^2 - 59\,x + 39}{(2\,x - 1)\,(x - 1)}$$

Sequence: A253430
Score: 10.9362
Type of gen. func.: ogf

$$\frac{6 x^3 + 13 x^2 - 137 x + 69}{(2 x - 1) (x - 1)}$$

Sequence: A253430
Score: 5.97354
Type of gen. func.: ogf

$$\{-a(n + 4) + 3 a(n + 3) - 2 a(n + 2), a(0) = 69, a(1) = 70, a(2) = 85, a(3) = 121\}$$

Sequence: A253430
Score: 6.07564
Type of gen. func.: ogf

$$-(34498 f(x) - 50137) (2 f(x) x^2 - 6 x^3 - 3 f(x) x - 13 x^2 + f(x) + 137 x - 69)$$

Sequence: A253431
Score: 12.4320
Type of gen. func.: ogf

$$\frac{32 x^2 - 225 x + 109}{(2 x - 1) (x - 1)}$$

Sequence: A253431
Score: 6.67643
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 2 a(n + 1), a(0) = 109, a(1) = 102, a(2) = 120\}$$

Sequence: A253431
Score: 7.06916
Type of gen. func.: ogf

$$(11 f(x) - 2933) (2 f(x) x^2 - 3 f(x) x - 32 x^2 + f(x) + 225 x - 109)$$

Sequence: A253431
Score: 8.28798
Type of gen. func.: lgdogf

$$-\frac{354 x^2 - 372 x + 102}{-64 x^4 + 546 x^3 - 925 x^2 + 552 x - 109}$$

Sequence: A253432
Score: 12.4320
Type of gen. func.: ogf

$$\frac{32 x^2 - 369 x + 181}{(2 x - 1) (x - 1)}$$

Sequence: A253432
Score: 6.67643
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 2 a(n + 1), a(0) = 181, a(1) = 174, a(2) = 192}

Sequence: A253432
Score: 7.06916
Type of gen. func.: ogf

$$(23 f(x) - 9209) (2 f(x) x^2 - 3 f(x) x - 32 x^2 + f(x) + 369 x - 181)$$

Sequence: A253432
Score: 8.19380
Type of gen. func.: lgdogf

$$-\frac{642 x^2 - 660 x + 174}{-64 x^4 + 834 x^3 - 1501 x^2 + 912 x - 181}$$

Sequence: A253433
Score: 12.4320
Type of gen. func.: ogf

$$\frac{32 x^2 - 657 x + 325}{(2 x - 1) (x - 1)}$$

Sequence: A253433
Score: 6.67643
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 2 a(n + 1), a(0) = 325, a(1) = 318, a(2) = 336}

Sequence: A253433
Score: 7.00052
Type of gen. func.: ogf

$$(47 f(x) - 32129) (2 f(x) x^2 - 3 f(x) x - 32 x^2 + f(x) + 657 x - 325)$$

Sequence: A253433
Score: 7.83754
Type of gen. func.: lgdogf

$$- \frac{1218 x^2 - 1236 x + 318}{-64 x^4 + 1410 x^3 - 2653 x^2 + 1632 x - 325}$$

Sequence: A253434
Score: 12.2789
Type of gen. func.: ogf

$$\frac{32 x^2 - 1233 x + 613}{(2 x - 1) (x - 1)}$$

Sequence: A253434
Score: 6.70793
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 2 a(n + 1), a(0) = 613, a(1) = 606, a(2) = 624}

Sequence: A253434
Score: 6.89957
Type of gen. func.: ogf

$$(95 f(x) - 119441) (2 f(x) x^2 - 3 f(x) x - 32 x^2 + f(x) + 1233 x - 613)$$

Sequence: A253434
Score: 7.87452
Type of gen. func.: lgdogf

$$- \frac{2370 x^2 - 2388 x + 606}{-64 x^4 + 2562 x^3 - 4957 x^2 + 3072 x - 613}$$

Sequence: A253436
Score: 6.02415
Type of gen. func.: ogf

$$(322 f(x) - 40575)$$

$$(-8 x^4 + 2 f(x) x^2 - 8 x^3 - 3 f(x) x + 26 x^2 + f(x) + 59 x - 39)$$

Sequence: A253436
Score: 9.87293
Type of gen. func.: ogf

$$\frac{8 x^4 + 8 x^3 - 26 x^2 - 59 x + 39}{(2 x - 1) (x - 1)}$$

Sequence: A253437
Score: 5.34474
Type of gen. func.: ogf

$\{a(n + 5) - 3 a(n + 4) + 2 a(n + 3), a(0) = 69, a(1) = 73, a(2) = 85,$

$a(3) = 120, a(4) = 192\}$

Sequence: A253437
Score: 5.82664
Type of gen. func.: ogf

$$(98528 f(x) + 151719)$$

$$(-2 x^4 + 2 f(x) x^2 - 11 x^3 - 3 f(x) x - 4 x^2 + f(x) + 134 x - 69)$$

Sequence: A253437
Score: 9.73768
Type of gen. func.: ogf

$$\frac{2 x^4 + 11 x^3 + 4 x^2 - 134 x + 69}{(2 x - 1) (x - 1)}$$

Sequence: A253438
Score: 5.67759
Type of gen. func.: ogf

$$(3810620 f(x) - 54628399)$$

$$(-2 x^4 + 2 f(x) x^2 - 9 x^3 - 3 f(x) x - 15 x^2 + f(x) + 219 x - 109)$$

Sequence: A253438
Score: 9.74397
Type of gen. func.: ogf

$$\frac{2 x^4 + 9 x^3 + 15 x^2 - 219 x + 109}{(2 x - 1) (x - 1)}$$

Sequence: A253439
Score: 5.54657
Type of gen. func.: ogf

$$-(773020 f(x) - 18479111)$$

$$(-2 x^4 + 2 f(x) x^2 - 9 x^3 - 3 f(x) x - 15 x^2 + f(x) + 363 x - 181)$$

Sequence: A253439

Score: 9.74397
Type of gen. func.: ogf

$$\frac{2x^4 + 9x^3 + 15x^2 - 363x + 181}{(2x - 1)(x - 1)}$$

Sequence: A253440
Score: 5.381
Type of gen. func.: ogf

$$-(48598076 f(x) - 2093518639)$$

$$(-2x^4 + 2 f(x) x^2 - 9x^3 - 3 f(x) x - 15x^2 + f(x) + 651x - 325)$$

Sequence: A253440
Score: 9.74397
Type of gen. func.: ogf

$$\frac{2x^4 + 9x^3 + 15x^2 - 651x + 325}{(2x - 1)(x - 1)}$$

Sequence: A253441
Score: 5.28799
Type of gen. func.: ogf

$$-(186692732 f(x) - 15204953407)$$

$$(-2x^4 + 2 f(x) x^2 - 9x^3 - 3 f(x) x - 15x^2 + f(x) + 1227x - 613)$$

Sequence: A253441
Score: 9.65941
Type of gen. func.: ogf

$$\frac{2x^4 + 9x^3 + 15x^2 - 1227x + 613}{(2x - 1)(x - 1)}$$

Sequence: A253442
Score: 3.50713

```
Type of gen. func.: ogf


-(924874651258088385 f(x) + 725804330072384)

           3              2
    (f(x) x  - 1443 f(x) x  + 1443 f(x) x - f(x) - 816 x + 96)



------------------------------------------------------------------------------

Sequence:  A253442
Score: 3.90567
Type of gen. func.: ogf


{a(n + 3) - 1443 a(n + 2) + 1443 a(n + 1) - a(n), a(0) = 96, a(1) = 137712,

    a(2) = 198579888}



------------------------------------------------------------------------------

Sequence:  A253442
Score: 8.31529
Type of gen. func.: ogf


                                 48 (17 x - 2)
                           -------------------------
                                     2
                           (x - 1) (x  - 1442 x + 1)



------------------------------------------------------------------------------

Sequence:  A253446
Score: 11.4340
Type of gen. func.: ogf


                                   15 x - 1
                            -----------------------
                                      2
                            (x - 1) (x  - 30 x + 1)



------------------------------------------------------------------------------

Sequence:  A253446
Score: 5.0818
Type of gen. func.: ogf


-(1223604256 f(x) + 40692959)

           3            2
    (f(x) x  - 31 f(x) x  + 31 f(x) x - f(x) - 15 x + 1)



------------------------------------------------------------------------------

Sequence:  A253446
Score: 5.47269
Type of gen. func.: ogf
```

$\{a(n + 3) - 31 a(n + 2) + 31 a(n + 1) - a(n), a(0) = 1, a(1) = 16, a(2) = 465\}$

Sequence: A253446
Score: 7.03632
Type of gen. func.: lgdogf

$$-\frac{30 x^3 - 468 x^2 + 62 x - 16}{15 x^4 - 466 x^3 + 496 x^2 - 46 x + 1}$$

Sequence: A253447
Score: 5.40231
Type of gen. func.: ogf

$$(6503 f(x) + 22) (f(x) x^3 - 31 f(x) x^2 + 31 f(x) x + x^2 - f(x) - 16 x + 1)$$

Sequence: A253447
Score: 5.44848
Type of gen. func.: ogf

$\{-a(n + 3) + 31 a(n + 2) - 31 a(n + 1) + a(n), a(0) = 1, a(1) = 15, a(2) = 435\}$

Sequence: A253447
Score: 5.95768
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 32 x^3 - 468 x^2 + 60 x - 15}{-x^5 + 47 x^4 - 528 x^3 + 528 x^2 - 47 x + 1}$$

Sequence: A253447
Score: 9.96050
Type of gen. func.: ogf

$$-\frac{x^2 - 16 x + 1}{(x - 1) (x^2 - 30 x + 1)}$$

Sequence: A253449
Score: 4.84710
Type of gen. func.: ogf

$$-(864x^9+1872x^8+2304x^7+1764x^6+396x^5-549x^4-621x^3-205x^2-72x+81)/((2x-1)(3x-1)(x-1))$$

Sequence: A253450
Score: 4.85881
Type of gen. func.: ogf

$$(480x^8+896x^7-640x^6-5712x^5-4648x^4+897x^3+2514x^2+509x-414)/((2x-1)(3x-1)(x-1))$$

Sequence: A253451
Score: 4.83289
Type of gen. func.: ogf

$$(54x^8+441x^7+2310x^6+136x^5-9282x^4-8729x^3+5642x^2+3546x-1388)/((2x-1)(3x-1)(x-1))$$

Sequence: A253452
Score: 4.83098
Type of gen. func.: ogf

$$(54x^8+345x^7+1994x^6+1926x^5-3744x^4-21108x^3+148x^2+13280x-3639)/((2x-1)(3x-1)(x-1))$$

Sequence: A253453
Score: 4.78334
Type of gen. func.: ogf

$$(54x^8+393x^7+2158x^6+2832x^5-3730x^4-27721x^3-21445x^2+35786x-8501)/((2x-1)(3x-1)(x-1))$$

Sequence: A253454
Score: 4.43497
Type of gen. func.: ogf

$$(54 x^8 + 489 x^7 + 2750 x^6 + 5432 x^5 - 9844 x^4 - 45858 x^3 - 66394 x^2 + 86576 x - 19701)/((2 x - 1) (3 x - 1) (x - 1))$$

Sequence: A253455
Score: 4.38798
Type of gen. func.: ogf

$$(54 x^8 + 681 x^7 + 3934 x^6 + 10872 x^5 - 21054 x^4 - 105187 x^3 - 174835 x^2 + 215434 x - 48293)/((2 x - 1) (3 x - 1) (x - 1))$$

Sequence: A253457
Score: 12.4905
Type of gen. func.: ogf

$$\frac{13 x - 1}{(x - 1) (x^2 - 26 x + 1)}$$

Sequence: A253457
Score: 5.59576
Type of gen. func.: ogf

$$-(440923224 f(x) + 16906343)$$

$$(f(x) x^3 - 27 f(x) x^2 + 27 f(x) x - f(x) - 13 x + 1)$$

Sequence: A253457
Score: 5.97838
Type of gen. func.: ogf

$$\{a(n + 3) - 27 a(n + 2) + 27 a(n + 1) - a(n), a(0) = 1, a(1) = 14, a(2) = 351\}$$

Sequence: A253457

Score: 7.68648
Type of gen. func.: lgdogf

$$-\frac{26x^3-354x^2+54x-14}{13x^4-352x^3+378x^2-40x+1}$$

Sequence: A253458
Score: 10.8840
Type of gen. func.: ogf

$$-\frac{x^2-14x+1}{(x-1)(x^2-26x+1)}$$

Sequence: A253458
Score: 5.90322
Type of gen. func.: ogf

$$(4206 f(x) + 19) (f(x) x^3 - 27 f(x) x^2 + 27 f(x) x + x^2 - f(x) - 14 x + 1)$$

Sequence: A253458
Score: 5.95367
Type of gen. func.: ogf

$$\{-a(n + 3) + 27 a(n + 2) - 27 a(n + 1) + a(n), a(0) = 1, a(1) = 13, a(2) = 325\}$$

Sequence: A253458
Score: 6.51008
Type of gen. func.: lgdogf

$$-\frac{-x^4+28x^3-354x^2+52x-13}{-x^5+41x^4-406x^3+406x^2-41x+1}$$

Sequence: A253459
Score: 7.50357
Type of gen. func.: ogf

$$\frac{20 x^3 + 127 x^2 - 20 x - 1}{(x - 1) (x^2 - 16 x + 1) (x^2 + 16 x + 1)}$$

Sequence: A253460
Score: 6.85092
Type of gen. func.: ogf

$$- \frac{x^4 + 15 x^3 - 158 x^2 + 15 x + 1}{(x - 1) (x^2 - 16 x + 1) (x^2 + 16 x + 1)}$$

Sequence: A253461
Score: 5.48314
Type of gen. func.: ogf

$$-(7839125 f(x) - 7855342511)$$

$$(16 f(x) x^4 + 6704 x^4 + 3744 x^3 + 2000 x^2 - f(x) + 800 x + 81)$$

Sequence: A253461
Score: 8.64650
Type of gen. func.: ogf

$$- \frac{6704 x^4 + 3744 x^3 + 2000 x^2 + 800 x + 81}{(2 x - 1) (2 x + 1) (4 x^2 + 1)}$$

Sequence: A253462
Score: 3.82778
Type of gen. func.: ogf

$$- \frac{156 x^7 + 709 x^6 + 916 x^5 + 313 x^4 + 82 x^3 - 373 x^2 - 378 x - 81}{16 x^8 + 48 x^7 + 75 x^6 + 8 x^5 + 7 x^4 - 30 x^3 - 27 x^2 - 2 x + 1}$$

Sequence: A253463

Score: 5.50679
Type of gen. func.: ogf

$$-\frac{4\,(734\,x^{6}+1468\,x^{5}+696\,x^{4}+232\,x^{3}+325\,x^{2}-200\,x-135)}{(x-1)\,(x+1)\,(6\,x^{2}-1)\,(2\,x^{2}+1)}$$

Sequence: A253464
Score: 6.74657
Type of gen. func.: ogf

$$\frac{8\,(48\,x^{5}+1195\,x^{4}-550\,x^{3}-2025\,x^{2}+175\,x+455)}{(x-1)\,(2\,x+1)\,(2\,x-1)\,(x+1)}$$

Sequence: A253465
Score: 4.83993
Type of gen. func.: ogf

$$8\,(1600\,x^{7}+44239\,x^{6}-5578\,x^{5}-47804\,x^{4}+84\,x^{3}-2701\,x^{2}+384\,x+3026)\;/\;((x-1)\,(2\,x+1)\,(2\,x-1)\,(x+1)\,(4\,x^{2}+1))$$

Sequence: A253466
Score: 6.39325
Type of gen. func.: ogf

$$\frac{8\,(1168\,x^{5}+78883\,x^{4}-4398\,x^{3}-100635\,x^{2}+1067\,x+20252)}{(x-1)\,(2\,x+1)\,(2\,x-1)\,(x+1)}$$

Sequence: A253467
Score: 4.27038
Type of gen. func.: ogf

$$8\,(18176\,x^{7}+2148463\,x^{6}-31210\,x^{5}-2162396\,x^{4}-952\,x^{3}-134215\,x^{2}+1986\,x+135188)\;/\;((x-1)\,(2\,x+1)\,(2\,x-1)\,(x+1)\,(4\,x^{2}+1))$$

Sequence: A253469
Score: 5.65403
Type of gen. func.: ogf

$$\frac{8 (15040 x^5 + 3605423 x^4 - 25830 x^3 - 4514810 x^2 + 5558 x + 903387)}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A253470
Score: 13.8805
Type of gen. func.: ogf

$$\frac{4 x - 1}{(x^2 - 8 x + 1) (x - 1)}$$

Sequence: A253470
Score: 6.45323
Type of gen. func.: ogf

$$-(76665 f(x) + 9239) (f(x) x^3 - 9 f(x) x^2 + 9 f(x) x - f(x) - 4 x + 1)$$

Sequence: A253470
Score: 6.51034
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 9 a(n + 1) - a(n), a(0) = 1, a(1) = 5, a(2) = 36\}$$

Sequence: A253470
Score: 8.65492
Type of gen. func.: lgdogf

$$- \frac{8 x^3 - 39 x^2 + 18 x - 5}{4 x^4 - 37 x^3 + 45 x^2 - 13 x + 1}$$

Sequence: A253472
Score: 13.5554

Type of gen. func.: ogf

$$-\frac{2x^5-2x^4+2x^2+x-4}{(x-1)^2}$$

Sequence: A253472
Score: 8.90781
Type of gen. func.: lgdogf

$$-\frac{6x^5-14x^4+8x^3-5x+7}{-2x^6+4x^5-2x^4-2x^3+x^2+5x-4}$$

Sequence: A253475
Score: 13.0084
Type of gen. func.: ogf

$$\frac{5x-1}{(x^2-10x+1)(x-1)}$$

Sequence: A253475
Score: 6.06324
Type of gen. func.: ogf

$$-(418536 f(x)+40919)(f(x)x^3-11 f(x)x^2+11 f(x)x-f(x)-5x+1)$$

Sequence: A253475
Score: 6.22141
Type of gen. func.: ogf

$$\{a(n+3)-11a(n+2)+11a(n+1)-a(n), a(0)=1, a(1)=6, a(2)=55\}$$

Sequence: A253475
Score: 8.31933
Type of gen. func.: lgdogf

3 2

$$-\frac{10 x - 58 x + 22 x - 6}{5 x^4 - 56 x^3 + 66 x^2 - 16 x + 1}$$

Sequence: A253476
Score: 7.45676
Type of gen. func.: ogf

$$\frac{14 x^3 + 55 x^2 - 14 x - 1}{(x - 1) (x^4 - 110 x^2 + 1)}$$

Sequence: A253477
Score: 6.84739
Type of gen. func.: ogf

$$-\frac{x^4 + 9 x^3 - 74 x^2 + 9 x + 1}{(x - 1) (x^4 - 110 x^2 + 1)}$$

Sequence: A253487
Score: 4.05597
Type of gen. func.: ogf

$$\{(8 n^2 + 44 n + 60) a(n + 1) + (2 n^2 + 24 n + 64) a(n + 2)$$

$$+ (-n^2 - 8 n - 15) a(n + 3), a(0) = 2, a(1) = 16, a(2) = 90\}$$

Sequence: A253489
Score: 5.20854
Type of gen. func.: ogf

$$\frac{72 x^7 + 180 x^6 - 392 x^5 - 2112 x^4 - 1543 x^3 + 1068 x^2 + 1107 x - 414}{(2 x - 1) (3 x - 1) (x - 1)}$$

Sequence: A253490
Score: 5.83949
Type of gen. func.: ogf

$$\frac{6 x^{6} + 733 x^{5} + 442 x^{4} - 7417 x^{3} - 924 x^{2} + 5238 x - 1388}{(2 x - 1) (3 x - 1) (x - 1)}$$

Sequence: A253491
Score: 6.12167
Type of gen. func.: ogf

$$\frac{342 x^{5} + 4467 x^{4} - 9033 x^{3} - 14189 x^{2} + 16448 x - 3639}{(2 x - 1) (3 x - 1) (x - 1)}$$

Sequence: A253492
Score: 6.18139
Type of gen. func.: ogf

$$\frac{198 x^{5} + 5271 x^{4} - 2367 x^{3} - 47374 x^{2} + 41327 x - 8501}{(2 x - 1) (3 x - 1) (x - 1)}$$

Sequence: A253493
Score: 5.71987
Type of gen. func.: ogf

$$\frac{288 x^{5} + 5844 x^{4} + 4302 x^{3} - 116576 x^{2} + 97231 x - 19701}{(2 x - 1) (3 x - 1) (x - 1)}$$

Sequence: A253494
Score: 5.69553
Type of gen. func.: ogf

$$\frac{480 x^{5} + 8714 x^{4} + 7761 x^{3} - 284807 x^{2} + 238591 x - 48293}{(2 x - 1) (3 x - 1) (x - 1)}$$

Sequence: A253496
Score: 4.77449
Type of gen. func.: ogf

$$(480 x^8 + 1040 x^7 + 530 x^6 - 3607 x^5 - 3091 x^4 + 491 x^3 + 618 x^2 + 1107 x - 414)/((2 x - 1) (3 x - 1) (x - 1))$$

Sequence: A253497
Score: 4.78574
Type of gen. func.: ogf

$$(54 x^8 + 327 x^7 + 1253 x^6 - 153 x^5 - 3397 x^4 - 2012 x^3 - 3624 x^2 + 5688 x - 1388)/((2 x - 1) (3 x - 1) (x - 1))$$

Sequence: A253498
Score: 4.77343
Type of gen. func.: ogf

$$(54 x^8 + 345 x^7 + 1214 x^6 + 26 x^5 - 3585 x^4 + 1023 x^3 - 18640 x^2 + 17114 x - 3639)/((2 x - 1) (3 x - 1) (x - 1))$$

Sequence: A253499
Score: 4.80775
Type of gen. func.: ogf

$$(54 x^8 + 393 x^7 + 1510 x^6 + 900 x^5 - 6686 x^4 + 6505 x^3 - 49115 x^2 + 41352 x - 8501)/((2 x - 1) (3 x - 1) (x - 1))$$

Sequence: A253500
Score: 4.35859
Type of gen. func.: ogf

$$(54 x^8 + 489 x^7 + 2102 x^6 + 2660 x^5 - 12502 x^4 + 9713 x^3 - 112665 x^2 + 95970 x - 19701)/((2 x - 1) (3 x - 1) (x - 1))$$

Sequence: A253501
Score: 4.39369
Type of gen. func.: ogf

$$(54 x^8 + 681 x^7 + 3286 x^6 + 6180 x^5 - 23990 x^4 + 5389 x^3 - 268043 x^2 + 234396 x$$

$$- 48293)/((2 x - 1) (3 x - 1) (x - 1))$$

Sequence: A253503
Score: 10.9391
Type of gen. func.: lgdogf

$$- \frac{-11 x^2 + 46 x - 65}{-11 x^3 + 45 x^2 - 67 x + 33}$$

Sequence: A253503
Score: 11.7678
Type of gen. func.: ogf

$$- \frac{4 (11 x^2 - 34 x + 33)}{(x - 1)^3}$$

Sequence: A253503
Score: 6.2134
Type of gen. func.: ogf

$$(12475 f(x) - 558879)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 44 x^2 - f(x) - 136 x + 132)$$

Sequence: A253503
Score: 6.58199
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 132, a(1) = 260, a(2) = 428\}$

Sequence: A253504
Score: 7.61511
Type of gen. func.: ogf

$$4 (x^5 + x^4 - 37 x^3 + 114 x^2 - 142 x + 65)$$

$$\frac{}{(x - 1)^4}$$

Sequence: A253505
Score: 6.33390
Type of gen. func.: ogf

$$\frac{4 (x^7 - 2 x^6 + 6 x^5 - 4 x^4 - 62 x^3 + 191 x^2 - 232 x + 107)}{(x - 1)^4}$$

Sequence: A253506
Score: 4.47724
Type of gen. func.: ogf

$$4 (x^{10} - 3 x^9 + 9 x^8 - 20 x^7 + 35 x^6 - 45 x^5 - 59 x^4 + 360 x^3 - 617 x^2 + 496 x - 159) / (x - 1)^5$$

Sequence: A253507
Score: 3.93408
Type of gen. func.: ogf

$$4 (x^{12} - 3 x^{11} + 10 x^{10} - 23 x^9 + 44 x^8 - 77 x^7 + 110 x^6 - 129 x^5 - 22 x^4 + 461 x^3 - 833 x^2 + 677 x - 221) / (x - 1)^5$$

Sequence: A253512
Score: 4.60626
Type of gen. func.: ogf

$$-(60884 f(x) - 667901) (36 f(x) x^4 - 72 f(x) x^3 + 47 f(x) x^2 - 18 x^3 - 12 f(x) x + 36 x^2 + f(x) - 13 x)$$

Sequence: A253512

Score: 8.80946
Type of gen. func.: ogf

$$\frac{x\,(18\,x^2 - 36\,x + 13)}{(x - 1)\,(6\,x - 1)\,(3\,x - 1)\,(2\,x - 1)}$$

Sequence: A253513
Score: 12.6858
Type of gen. func.: lgdogf

$$\frac{8\,x^7}{-x^8 + 1}$$

Sequence: A253513
Score: 18.2676
Type of gen. func.: ogf

$$- \frac{1}{(x - 1)\,(x + 1)\,(x^2 + 1)\,(x^4 + 1)}$$

Sequence: A253513
Score: 26.7955
Type of gen. func.: ogf_with_Euler_transform]

$$[x^7]$$

Sequence: A253514
Score: 3.99827
Type of gen. func.: ogf

$(20298776337\,f(x) - 19659302)$

$$(f(x)\,x^3 - 899\,f(x)\,x^2 + 899\,f(x)\,x + x^2 - f(x) - 58\,x + 1)$$

Sequence: A253514
Score: 4.32334
Type of gen. func.: ogf

$$\{-a(n+3) + 899\,a(n+2) - 899\,a(n+1) + a(n),\ a(0) = 1,\ a(1) = 841,$$
$$a(2) = 755161\}$$

Sequence: A253514
Score: 8.05714
Type of gen. func.: ogf

$$-\frac{x^2 - 58\,x + 1}{(x - 1)\,(x^2 - 898\,x + 1)}$$

Sequence: A253526
Score: 4.04362
Type of gen. func.: ogf

$$-\frac{18\,x^7 - 121\,x^6 + 445\,x^5 - 365\,x^4 - 54\,x^3 + 73\,x^2 - 189\,x + 81}{(2\,x^4 - 7\,x^3 + 4\,x - 1)\,(x - 1)^4}$$

Sequence: A253537
Score: 5.15012
Type of gen. func.: ogf

$$-\frac{256\,(16\,x^4 - 28\,x^3 + 10\,x^2 + 3\,x - 2)}{(x - 1)\,(8\,x^2 - 1)\,(8\,x^2 - 7\,x + 1)}$$

Sequence: A253546
Score: 4.65136
Type of gen. func.: ogf

$$(57954133309\,f(x) - 53198580)$$

$$(f(x)\,x^3 - 675\,f(x)\,x^2 + 675\,f(x)\,x + x^2 - f(x) - 128\,x + 1)$$

Sequence: A253546
Score: 5.06734

Type of gen. func.: ogf

{-a(n + 3) + 675 a(n + 2) - 675 a(n + 1) + a(n), a(0) = 1, a(1) = 547,

a(2) = 368551}

Sequence: A253546
Score: 5.23767
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 256x^3 - 85728x^2 + 1348x - 547}{-x^5 + 803x^4 - 87076x^3 + 87076x^2 - 803x + 1}$$

Sequence: A253546
Score: 9.30273
Type of gen. func.: ogf

$$-\frac{x^2 - 128x + 1}{(x - 1)(x^2 - 674x + 1)}$$

Sequence: A253547
Score: 10.2776
Type of gen. func.: ogf

$$-\frac{x^3(2x^5 - 4x^4 + 3x^2 + x + 1)}{(x + 1)(x - 1)^3}$$

Sequence: A253579
Score: 4.96982
Type of gen. func.: ogf

$$-\frac{x^4 + 22800x^3 - 435482x^2 + 22800x + 1}{(x - 1)(x^2 - 1442x + 1)(x^2 + 1442x + 1)}$$

Sequence: A253599
Score: 5.93183
Type of gen. func.: ogf

$$-\frac{x^4 + 840 x^3 - 21842 x^2 + 840 x + 1}{(x - 1) (x^2 - 254 x + 1) (x^2 + 254 x + 1)}$$

Sequence: A253621
Score: 10.9843
Type of gen. func.: ogf

$$-\frac{x^2 - 7 x + 1}{(x - 1) (x^2 - 12 x + 1)}$$

Sequence: A253621
Score: 5.96564
Type of gen. func.: ogf

$$(775 f(x) + 17) (f(x) x^3 - 13 f(x) x^2 + 13 f(x) x + x^2 - f(x) - 7 x + 1)$$

Sequence: A253621
Score: 6.01751
Type of gen. func.: ogf

$$\{-a(n + 3) + 13 a(n + 2) - 13 a(n + 1) + a(n), a(0) = 1, a(1) = 6, a(2) = 66\}$$

Sequence: A253621
Score: 6.59061
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 14 x^3 - 81 x^2 + 24 x - 6}{-x^5 + 20 x^4 - 105 x^3 + 105 x^2 - 20 x + 1}$$

Sequence: A253622
Score: 4.55082
Type of gen. func.: ogf

$(12614481 f(x) - 41912)$

$$(f(x) x^3 - 143 f(x) x^2 + 143 f(x) x + x^2 - f(x) - 37 x + 1)$$

Sequence: A253622
Score: 4.73733
Type of gen. func.: ogf

$$\{-a(n + 3) + 143 a(n + 2) - 143 a(n + 1) + a(n), a(0) = 1, a(1) = 106, a(2) = 15016\}$$

Sequence: A253622
Score: 8.75688
Type of gen. func.: ogf

$$- \frac{x^2 - 37 x + 1}{(x - 1) (x^2 - 142 x + 1)}$$

Sequence: A253625
Score: 5.25136
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-2 x^7 + x^6 + 2 x^5 - 2 x^4 + 2 x^2 - 4 x + 1}{x^8 - x^7 + x^6 + x^2 - x + 1}$$

Sequence: A253626
Score: 5.14806
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^9 - x^8 + x^6 + x^5 + x^3 - x^2 + 2 x + 1}{-x^{10} - x^8 - x^6 - x^4 - x^2 - 1}$$

Sequence: A253636
Score: 3.84212

Type of gen. func.: ogf

$$-\frac{(x+1)(x^6+246x^5+4047x^4+11572x^3+4047x^2+246x+1)}{(x-1)^{11}}$$

Sequence: A253637
Score: 4.23410
Type of gen. func.: ogf

$$(x^8+502x^7+14608x^6+88234x^5+156190x^4+88234x^3+14608x^2+502x+1)\Big/(x-1)^{12}$$

Sequence: A253654
Score: 12.1615
Type of gen. func.: ogf

$$-\frac{x^2-3x+1}{(x^2-8x+1)(x-1)}$$

Sequence: A253654
Score: 6.56504
Type of gen. func.: ogf

$$\{-a(n+3)+9a(n+2)-9a(n+1)+a(n),\ a(0)=1,\ a(1)=6,\ a(2)=46\}$$

Sequence: A253654
Score: 6.56505
Type of gen. func.: ogf

$$(141f(x)-1)(f(x)x^3-9f(x)x^2+9f(x)x+x^2-f(x)-3x+1)$$

Sequence: A253654
Score: 7.27304
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 6 x^3 - 21 x^2 + 16 x - 6}{-x^5 + 12 x^4 - 37 x^3 + 37 x^2 - 12 x + 1}$$

Sequence: A253665
Score: 3.40552
Type of gen. func.: ogf

$$\{(-192 n^2 - 192 n) a(n) + (80 n^2 + 320 n + 272) a(n + 1) + (12 n^2 - 68) a(n + 2) + (-5 n^2 - 15 n) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 8, a(3) = 48\}$$

Sequence: A253665
Score: 8.55251
Type of gen. func.: lgdogf

$$-\frac{-256 x^3 + 64 x^2 + 16 x + 2}{-256 x^4 + 32 x^3 + 32 x^2 - 2 x - 1}$$

Sequence: A253671
Score: 5.50440
Type of gen. func.: ogf

$$\frac{x^{14} - x^{13} + x^{12} - x^{11} + x^{10} + x^9 + x^7 + x^6 + x^4 + x^2 + 1}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)}$$

Sequence: A253673
Score: 7.45604
Type of gen. func.: ogf

$$\frac{(3 x - 1) (5 x^2 + 18 x + 1)}{(x - 1) (x^2 - 10 x + 1) (x^2 + 10 x + 1)}$$

Sequence: A253674
Score: 7.48445
Type of gen. func.: ogf

$$-\frac{(x^2+14x+1)(x^2-5x+1)}{(x-1)(x^2-10x+1)(x^2+10x+1)}$$

Sequence: A253675
Score: 6.02925
Type of gen. func.: ogf

$$-\frac{x^4+360x^3-3722x^2+360x+1}{(x-1)(x^2-98x+1)(x^2+98x+1)}$$

Sequence: A253679
Score: 18.5318
Type of gen. func.: ogf

$$-\frac{x^2-26x-23}{(x-1)^4}$$

Sequence: A253679
Score: 19.0690
Type of gen. func.: lgdogf

$$-\frac{-2x^2+76x+118}{-x^3+27x^2-3x-23}$$

Sequence: A253679
Score: 6.26552
Type of gen. func.: ogf

$$\{(-23n-92)a(n+4)+(109-3n)a(n+3)+(130+27n)a(n+2)$$
$$+(-3-n)a(n+1), a(0)=23, a(1)=118, a(2)=333, a(3)=716\}$$

Sequence: A253679
Score: 9.33166
Type of gen. func.: ogf

$$(47436 f(x) + 1668929)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + x^2 + f(x) - 26 x - 23)$$

Sequence: A253680
Score: 3.77614
Type of gen. func.: ogf

$$\{(-46 n^2 - 363 n - 716) a(n + 1) + (92 n^2 + 644 n + 1655) a(n + 2)$$

$$+ (-46 n^2 - 281 n - 429) a(n + 3), a(0) = 204, a(1) = 2940, a(2) = 16296\}$$

Sequence: A253680
Score: 7.08917
Type of gen. func.: ogf

$$\frac{12 (x + 1) (17 x^2 + 126 x + 17)}{(x - 1)^6}$$

Sequence: A253680
Score: 8.73781
Type of gen. func.: lgdogf

$$- \frac{51 x^3 + 623 x^2 + 1001 x + 245}{17 x^4 + 126 x^3 - 126 x - 17}$$

Sequence: A253687
Score: 7.48968
Type of gen. func.: ogf

$$4 x^8 - 2 x^6 - 5 x^5 - 6 x^4 - 5 x^3 - 3 x^2 - 2 x - 1$$

$$(x+1)\,(x^2+1)\,(x-1)^3$$

Sequence: A253688
Score: 8.07527
Type of gen. func.: ogf

$$-\frac{2x^8-2x^7-2x^6+2x^5+4x^4+3x^3+2x^2+2x+1}{(x+1)\,(x-1)^3}$$

Sequence: A253689
Score: 6.04296
Type of gen. func.: ogf

$$-\frac{x^4+315x^3-5168x^2+315x+1}{(x-1)\,(x^2-110x+1)\,(x^2+110x+1)}$$

Sequence: A253707
Score: 11.3922
Type of gen. func.: ogf

$$\frac{x^2+30x+17}{(x-1)^4}$$

Sequence: A253707
Score: 11.7224
Type of gen. func.: lgdogf

$$-\frac{-2x^2-92x-98}{-x^3-29x^2+13x+17}$$

Sequence: A253707
Score: 3.87008
Type of gen. func.: ogf

$$\{(17 n + 68) a(n + 4) + (-59 + 13 n) a(n + 3) + (-150 - 29 n) a(n + 2) + (-3 - n) a(n + 1), a(0) = 17, a(1) = 98, a(2) = 291, a(3) = 644\}$$

Sequence: A253707
Score: 5.65626
Type of gen. func.: ogf

$$(957312 f(x) + 29797985) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - x^2 + f(x) - 30 x - 17)$$

Sequence: A253708
Score: 5.88016
Type of gen. func.: ogf

$$- \frac{323 x^4 + 5236 x^3 + 11922 x^2 + 5236 x + 323}{(x - 1)^7}$$

Sequence: A253714
Score: 4.99125
Type of gen. func.: ogf

$$- \frac{x^4 + 2856 x^3 - 21842 x^2 + 2856 x + 1}{(x - 1) (x^2 - 254 x + 1) (x^2 + 254 x + 1)}$$

Sequence: A253715
Score: 6.35424
Type of gen. func.: ogf

$$\frac{2159 x^3 + 32257 x^2 - 2159 x - 1}{(x - 1) (x^2 - 254 x + 1) (x^2 + 254 x + 1)}$$

Sequence: A253724
Score: 4.52033
Type of gen. func.: ogf

$$-\frac{3\,(x^7 - 8\,x^6 + 27\,x^5 - 216\,x^4 - 1521\,x^3 - 3272\,x^2 - 1563\,x - 168)}{(x - 1)^8}$$

Sequence: A253742
Score: 5.86131
Type of gen. func.: ogf

$$-\frac{9\,(12\,x^4 - 40\,x^3 + 51\,x^2 - 31\,x + 9)}{(3\,x - 1)\,(2\,x - 1)^2\,(x - 1)^2}$$

Sequence: A253778
Score: 5.27220
Type of gen. func.: ogf

$$-\frac{x\,(x^7 + 5\,x^6 + 60\,x^5 + 69\,x^4 + 147\,x^3 + 36\,x^2 + 8\,x - 2)}{(x + 1)^4\,(x - 1)^5}$$

Sequence: A253779
Score: 4.14661
Type of gen. func.: ogf

$$\frac{6\,x\,(x^8 + 29\,x^7 + 55\,x^6 + 241\,x^5 + 158\,x^4 + 241\,x^3 + 55\,x^2 + 29\,x + 1)}{(x + 1)^5\,(x - 1)^6}$$

Sequence: A253811
Score: 10.4908
Type of gen. func.: lgdogf

$$-\frac{x^2 + 6\,x - 19}{x^3 - 3\,x^2 - 17\,x + 3}$$

Sequence: A253811
Score: 15.3865
Type of gen. func.: ogf

$$\frac{x + 3}{x^2 - 6 x + 1}$$

Sequence: A253811
Score: 7.86811
Type of gen. func.: ogf

$$(108 f(x) + 37) (f(x) x^2 - 6 f(x) x + f(x) - x - 3)$$

Sequence: A253811
Score: 8.34208
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - a(n), a(0) = 3, a(1) = 19\}$$

Sequence: A253821
Score: 6.50290
Type of gen. func.: ogf

$$-\frac{x^4 + 180 x^3 - 746 x^2 + 180 x + 1}{(x - 1) (x^2 - 34 x + 1) (x^2 + 34 x + 1)}$$

Sequence: A253822
Score: 7.09763
Type of gen. func.: ogf

$$\frac{255 x^3 + 577 x^2 - 255 x - 1}{(x - 1) (x^2 - 34 x + 1) (x^2 + 34 x + 1)}$$

Sequence: A253823
Score: 4.96982
Type of gen. func.: ogf

$$-\frac{x^4 + 97920 x^3 - 390050 x^2 + 97920 x + 1}{(x - 1) (x^2 - 1154 x + 1) (x^2 + 1154 x + 1)}$$

Sequence: A253826
Score: 11.7882
Type of gen. func.: ogf

$$\frac{17 x - 1}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A253826
Score: 5.2392
Type of gen. func.: ogf

-(2980527840 f(x) + 87506207)

$$(f(x) x^3 - 35 f(x) x^2 + 35 f(x) x - f(x) - 17 x + 1)$$

Sequence: A253826
Score: 5.64221
Type of gen. func.: ogf

{a(n + 3) - 35 a(n + 2) + 35 a(n + 1) - a(n), a(0) = 1, a(1) = 18, a(2) = 595}

Sequence: A253826
Score: 7.25426
Type of gen. func.: lgdogf

$$-\frac{34 x^3 - 598 x^2 + 70 x - 18}{17 x^4 - 596 x^3 + 630 x^2 - 52 x + 1}$$

Sequence: A253831
Score: 6.94662
Type of gen. func.: ogf

$$9 f(x)^2 x^3 + 4 f(x)^2 x^2 - 8 f(x)^2 x + 6 f(x) x^2 + 2 f(x)^2 + 7 f(x) x - 4 f(x) + x + 2$$

Sequence: A253852
Score: 7.79017
Type of gen. func.: ogf

$$-\frac{6 x^9 + 4 x^8 + 3 x^7 + 4 x^6 + 3 x^5 + 2 x^4 + x^3 + x^2 + x + 1}{12 x^{10} - 1}$$

Sequence: A253878
Score: 11.1702
Type of gen. func.: ogf

$$-\frac{x^2 + 5 x + 1}{(x^2 - 16 x + 1) (x - 1)}$$

Sequence: A253878
Score: 5.96374
Type of gen. func.: ogf

$$(7587 f(x) - 743) (f(x) x^3 - 17 f(x) x^2 + 17 f(x) x + x^2 - f(x) + 5 x + 1)$$

Sequence: A253878
Score: 6.01471
Type of gen. func.: ogf

$$\{a(n + 3) - 17 a(n + 2) + 17 a(n + 1) - a(n), a(0) = 1, a(1) = 22, a(2) = 358\}$$

Sequence: A253878
Score: 6.76655
Type of gen. func.: lgdogf

$$-\frac{-x^4 - 10 x^3 + 99 x^2 + 32 x - 22}{{}^{5} \qquad {}^{4} \qquad {}^{3} \qquad {}^{2}}$$

$$-x + 12 x + 67 x - 67 x - 12 x + 1$$

Sequence: A253879
Score: 12.4202
Type of gen. func.: ogf

$$\frac{8 x - 1}{(x^2 - 16 x + 1) (x - 1)}$$

Sequence: A253879
Score: 5.64554
Type of gen. func.: ogf

$$-(13385169 f(x) + 829583) (f(x) x^3 - 17 f(x) x^2 + 17 f(x) x - f(x) - 8 x + 1)$$

Sequence: A253879
Score: 5.88888
Type of gen. func.: ogf

$$\{a(n + 3) - 17 a(n + 2) + 17 a(n + 1) - a(n), a(0) = 1, a(1) = 9, a(2) = 136\}$$

Sequence: A253879
Score: 7.67539
Type of gen. func.: lgdogf

$$-\frac{16 x^3 - 139 x^2 + 34 x - 9}{8 x^4 - 137 x^3 + 153 x^2 - 25 x + 1}$$

Sequence: A253880
Score: 13.7007
Type of gen. func.: ogf

$$-\frac{x - 1}{x^2 - 254 x + 1}$$

Sequence: A253880
Score: 6.63845
Type of gen. func.: ogf

$$-(64260 f(x) - 251) (f(x) x^2 - 254 f(x) x + f(x) + x - 1)$$

Sequence: A253880
Score: 7.48757
Type of gen. func.: ogf

$$\{a(n + 2) - 254 a(n + 1) + a(n), a(0) = 1, a(1) = 253\}$$

Sequence: A253880
Score: 9.19901
Type of gen. func.: lgdogf

$$-\frac{-x^2 + 2 x - 253}{-x^3 + 255 x^2 - 255 x + 1}$$

Sequence: A253895
Score: 6.72313
Type of gen. func.: ogf

$$-\frac{x^{12} - 2 x^{10} - x^8 + 2 x^6 + 2 x^5 + 2 x^4 + x^3 + 2 x^2 + 1}{(x^2 + 1) (x - 1)^3}$$

Sequence: A253896
Score: 5.96972
Type of gen. func.: ogf

$$-\frac{x^3 (2 x^{10} - 4 x^9 + 2 x^8 - 2 x^7 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + x + 1)}{(x + 1) (x^2 + 1) (x - 1)^3}$$

Sequence: A253909
Score: 11.5771

Type of gen. func.: lgdogf

$$-\frac{x^2 + 4 x + 1}{-x^4 + 5 x^3 - 6 x^2 + 3 x - 1}$$

Sequence: A253909
Score: 12.0804
Type of gen. func.: ogf

$$\frac{x^3 - 4 x^2 + 2 x - 1}{(x - 1)^3}$$

Sequence: A253909
Score: 6.31476
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 1, a(2) = 4,

a(3) = 9}

Sequence: A253909
Score: 6.61545
Type of gen. func.: ogf

$$-(92 f(x) - 155) (f(x) x^3 - 3 f(x) x^2 - x^3 + 3 f(x) x + 4 x^2 - f(x) - 2 x + 1)$$

Sequence: A253918
Score: 11.0723
Type of gen. func.: revogf

$$-\frac{x^2}{4} - 1/4 + \frac{(x^4 + 2 x^2 + 8 x + 1)^{1/2}}{4}$$

Sequence: A253918
Score: 17.7156
Type of gen. func.: ogf

$$-2 x - 1 + f(x) - f(x)^2 x^2$$

Sequence: A253918
Score: 4.86100
Type of gen. func.: ogf

$$\{(8 n + 12) a(n + 1) + (4 n + 12) a(n + 2) + (-n - 6) a(n + 4), a(0) = 1, a(1) = 2, a(2) = 1, a(3) = 4\}$$

Sequence: A253920
Score: 6.09941
Type of gen. func.: ogf

$$\frac{4 x^5 + 34 x^4 + 721 x^3 - 34 x^2 - 4 x - 1}{(x - 1) (x^6 - 1442 x^3 + 1)}$$

Sequence: A253921
Score: 6.81097
Type of gen. func.: ogf

$$-\frac{x^4 + 50 x^3 - 262 x^2 + 50 x + 1}{(x - 1) (x^2 - 22 x + 1) (x^2 + 22 x + 1)}$$

Sequence: A253922
Score: 7.39686
Type of gen. func.: ogf

$$\frac{55 x^3 + 241 x^2 - 55 x - 1}{(x - 1) (x^2 - 22 x + 1) (x^2 + 22 x + 1)}$$

Sequence: A253923
Score: 5.42498
Type of gen. func.: ogf

$$-\frac{x^4 + 7700 x^3 - 20242 x^2 + 7700 x + 1}{(x - 1) (x^2 - 482 x + 1) (x^2 + 482 x + 1)}$$

Sequence: A253942
Score: 12.1603
Type of gen. func.: ogf

$$\frac{3}{(x - 1)^6}$$

Sequence: A253942
Score: 29.5322
Type of gen. func.: lgdogf

$$\frac{6}{-x + 1}$$

Sequence: A253942
Score: 63.1251
Type of gen. func.: ogf_with_Euler_transform]

[6]

Sequence: A253942
Score: 7.87525
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (7 + n) a(n + 1), a(0) = 3, a(1) = 18\}$$

Sequence: A253943
Score: 10.1211
Type of gen. func.: ogf

$$-\frac{3}{(x - 1)^7}$$

Sequence: A253943
Score: 27.8331
Type of gen. func.: lgdogf

$$\frac{7}{-x + 1}$$

Sequence: A253943
Score: 59.4407
Type of gen. func.: ogf_with_Euler_transform]

[7]

Sequence: A253943
Score: 7.42215
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (8 + n) a(n + 1), a(0) = 3, a(1) = 21\}$$

Sequence: A253944
Score: 27.4784
Type of gen. func.: lgdogf

$$\frac{8}{-x + 1}$$

Sequence: A253944
Score: 58.6420
Type of gen. func.: ogf_with_Euler_transform]

[8]

Sequence: A253944
Score: 7.32756
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (9 + n) a(n + 1), a(0) = 3, a(1) = 24\}$$

Sequence: A253944
Score: 8.94644
Type of gen. func.: ogf

$$\frac{3}{(x-1)^{8}}$$

Sequence: A253945
Score: 11.7117
Type of gen. func.: ogf

$$\frac{6}{(x-1)^{6}}$$

Sequence: A253945
Score: 28.4428
Type of gen. func.: lgdogf

$$\frac{6}{-x+1}$$

Sequence: A253945
Score: 60.7619
Type of gen. func.: ogf_with_Euler_transform]

[6]

Sequence: A253945
Score: 7.58474
Type of gen. func.: ogf

$$\{(-n-2)\,a(n+2)+(7+n)\,a(n+1),\ a(0)=6,\ a(1)=36\}$$

Sequence: A253946
Score: 10.2171
Type of gen. func.: ogf

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$$(x - 1)^7$$

Sequence: A253946
Score: 28.0970
Type of gen. func.: lgdogf

$$\frac{7}{-x + 1}$$

Sequence: A253946
Score: 59.9840
Type of gen. func.: ogf_with_Euler_transform]

[7]

Sequence: A253946
Score: 7.49252
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 2) + (8 + n) a(n + 1), a(0) = 6, a(1) = 42\}$$

Sequence: A253947
Score: 28.4686
Type of gen. func.: lgdogf

$$\frac{8}{-x + 1}$$

Sequence: A253947
Score: 60.7552
Type of gen. func.: ogf_with_Euler_transform]

[8]

Sequence: A253947
Score: 7.59162
Type of gen. func.: ogf

{(-n - 2) a(n + 2) + (9 + n) a(n + 1), a(0) = 6, a(1) = 48}

Sequence: A253947
Score: 9.26884
Type of gen. func.: ogf

$$\frac{6}{(x-1)^{8}}$$

Sequence: A254006
Score: 11.8560
Type of gen. func.: ogf

{a(n + 2) - 3 a(n), a(0) = 1, a(1) = 0}

Sequence: A254006
Score: 18.2178
Type of gen. func.: ogf

$$-3 f(x) x^{2} + f(x) - 1$$

Sequence: A254006
Score: 20.7480
Type of gen. func.: lgdogf

$$\frac{6 x}{-3 x^{2} + 1}$$

Sequence: A254006
Score: 29.8772
Type of gen. func.: ogf

$$-\frac{1}{3 x^{2} - 1}$$

Sequence: A254007
Score: 3.87332
Type of gen. func.: ogf

$$-\frac{x^6 + 2x^5 + 2x^4 - 3x^3 - 3x^2 + x + 1}{(x^2 + x - 1)(2x^2 - 1)}$$

Sequence: A254011
Score: 11.0030
Type of gen. func.: ogf

$$\frac{x^6 - x^3 + 1}{(x^2 + x + 1)(x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A254011
Score: 18.0295
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{17} + x^8 + x^5 + x^4$$

Sequence: A254028
Score: 10.1816
Type of gen. func.: ogf

$$-\frac{2(13x^2 - 13x + 3)}{(2x - 1)(3x - 1)(x - 1)}$$

Sequence: A254028
Score: 5.38528
Type of gen. func.: ogf

$$-(11 f(x) - 266)(6 f(x) x^3 - 11 f(x) x^2 + 6 f(x) x + 26 x^2 - f(x) - 26 x + 6)$$

Sequence: A254028
Score: 5.66626
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 11 a(n + 1) + 6 a(n), a(0) = 6, a(1) = 10, a(2) = 20\}$$

Sequence: A254029
Score: 11.7341
Type of gen. func.: lgdogf

$$-\frac{4 x + 31246}{4 x^{2} + 15617 x - 15621}$$

Sequence: A254029
Score: 14.3683
Type of gen. func.: ogf

$$\frac{4 x + 15621}{(x - 1)^{2}}$$

Sequence: A254029
Score: 6.97077
Type of gen. func.: ogf

$$(15625 f(x) + 244078133) (f(x) x^{2} - 2 f(x) x + f(x) - 4 x - 15621)$$

Sequence: A254029
Score: 7.82276
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 15621, a(1) = 31246\}$$

Sequence: A254030
Score: 4.89137
Type of gen. func.: ogf

$$24 f(x) x^{4} - 50 f(x) x^{3} + 35 f(x) x^{2} + 154 x^{3} - 10 f(x) x - 200 x^{2} + f(x) + 80 x - 10$$

Sequence: A254030
Score: 7.02783
Type of gen. func.: ogf

$$-\frac{2\,(77\,x^3-100\,x^2+40\,x-5)}{(x-1)\,(3\,x-1)\,(2\,x-1)\,(4\,x-1)}$$

Sequence: A254031
Score: 5.60251
Type of gen. func.: ogf

$$-\frac{1044\,x^4-1604\,x^3+855\,x^2-190\,x+15}{(x-1)\,(4\,x-1)\,(3\,x-1)\,(2\,x-1)\,(5\,x-1)}$$

Sequence: A254056
Score: 5.34990
Type of gen. func.: ogf

$$-\frac{10\,x^8+7\,x^7+4\,x^6+13\,x^5+8\,x^4+5\,x^3+3\,x^2+2\,x+1}{(x-1)\,(x+1)\,(x^2+1)\,(x^4+1)}$$

Sequence: A254058
Score: 5.37115
Type of gen. func.: ogf

$$-(x^{23}-x^{22}+x^{11}+x^{10}-2\,x^9-x^8-x^7-2\,x^6-x^5-x^4-2\,x^3-x^2-2\,x-2)\Big/\left((x+1)\,(x^4+x^3+x^2+x+1)\,(x^4-x^3+x^2-x+1)\,(x-1)^2\right)$$

Sequence: A254065
Score: 4.55933
Type of gen. func.: ogf

$$-\frac{5\,x^8-3\,x^7+4\,x^6-3\,x^5-2\,x^4+4\,x^3+2\,x^2+x+1}{(x-1)\,(x+1)\,(x^2-x+1)\,(x^6-x^3+1)}$$

Sequence: A254076
Score: 11.6641
Type of gen. func.: ogf

$$\frac{9 x^3 + x^2 - 1}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A254076
Score: 5.74369
Type of gen. func.: ogf

{-a(n + 4) + 2 a(n + 3) + a(n + 2) - 2 a(n + 1), a(0) = -1, a(1) = -2,

a(2) = -4, a(3) = 1}

Sequence: A254076
Score: 6.59276
Type of gen. func.: ogf

$$(3 f(x) + 7) (2 f(x) x^3 - f(x) x^2 - 9 x^3 - 2 f(x) x - x^2 + f(x) + 1)$$

Sequence: A254076
Score: 7.22064
Type of gen. func.: lgdogf

$$- \frac{11 x^4 + 36 x^3 - 31 x^2 + 2}{18 x^6 - 7 x^5 - 19 x^4 + 5 x^3 + 2 x^2 + 2 x - 1}$$

Sequence: A254124
Score: 11.3565
Type of gen. func.: ogf

$$- \frac{5 x^2 - 8 x + 1}{5 x^3 - 24 x^2 + 12 x - 1}$$

Sequence: A254124
Score: 5.86445
Type of gen. func.: ogf

$$(579811 f(x) - 12640)$$

$$(5 f(x) x^3 - 24 f(x) x^2 + 12 f(x) x + 5 x^2 - f(x) - 8 x + 1)$$

Sequence: A254124
Score: 6.22141
Type of gen. func.: ogf

{-a(n + 3) + 12 a(n + 2) - 24 a(n + 1) + 5 a(n), a(0) = 1, a(1) = 4, a(2) = 29}

Sequence: A254124
Score: 6.56387
Type of gen. func.: lgdogf

$$-\frac{-25 x^4 + 80 x^3 - 147 x^2 + 38 x - 4}{-25 x^5 + 160 x^4 - 257 x^3 + 125 x^2 - 20 x + 1}$$

Sequence: A254125
Score: 6.16612
Type of gen. func.: ogf

$$-\frac{16 x^4 - 92 x^3 + 86 x^2 - 22 x + 1}{32 x^5 - 248 x^4 + 396 x^3 - 202 x^2 + 30 x - 1}$$

Sequence: A254136
Score: 6.62917
Type of gen. func.: ogf

$$-\frac{x^4 + 72 x^3 - 338 x^2 + 72 x + 1}{(x - 1) (x^2 - 34 x + 1) (x^2 + 34 x + 1)}$$

Sequence: A254137
Score: 7.03829
Type of gen. func.: ogf

$$\frac{51 x^3 + 577 x^2 - 51 x - 1}{(x - 1) (x^2 - 34 x + 1) (x^2 + 34 x + 1)}$$

Sequence: A254138
Score: 4.92697
Type of gen. func.: ogf

$$- \frac{x^4 + 7956 x^3 - 154634 x^2 + 7956 x + 1}{(x - 1) (x^2 - 1154 x + 1) (x^2 + 1154 x + 1)}$$

Sequence: A254142
Score: 14.7950
Type of gen. func.: lgdogf

$$- \frac{-80 x - 19}{-8 x^2 + 7 x + 1}$$

Sequence: A254142
Score: 4.80356
Type of gen. func.: ogf

$\{(n + 3) a(n + 3) + (-5 + 7 n) a(n + 2) + (-88 - 8 n) a(n + 1), a(0) = 1,$

$a(1) = 19, a(2) = 154\}$

Sequence: A254142
Score: 5.47961
Type of gen. func.: ogf

$$- \frac{8 x + 1}{(x - 1)^{11}}$$

Sequence: A254144
Score: 4.47854
Type of gen. func.: ogf

$$-\frac{8028 x^5 - 13916 x^4 + 8939 x^3 - 2695 x^2 + 385 x - 21}{(x - 1) (6 x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A254145
Score: 3.58418
Type of gen. func.: ogf

$$-\frac{4 (17316 x^6 - 32926 x^5 + 24199 x^4 - 8911 x^3 + 1750 x^2 - 175 x + 7)}{(x - 1) (6 x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A254146
Score: 3.49225
Type of gen. func.: ogf

$$- 12 (55308 x^7 - 113262 x^6 + 92327 x^5 - 39312 x^4 + 9527 x^3 - 1323 x^2 + 98 x - 3) /((x - 1) (6 x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (8 x - 1) (7 x - 1) (5 x - 1))$$

Sequence: A254150
Score: 3.23433
Type of gen. func.: ogf

$$-\frac{x^2 - 4 x + 1}{5 x^3 - 24 x^2 + 12 x - 1}$$

Sequence: A254150
Score: 5.76986
Type of gen. func.: ogf

$$-(68179 f(x) + 2764) (5 f(x) x^3 - 24 f(x) x^2 + 12 f(x) x + x^2 - f(x) - 4 x + 1)$$

Sequence: A254151
Score: 2.58048
Type of gen. func.: ogf

$$-\frac{4x^4 - 28x^3 + 36x^2 - 14x + 1}{32x^5 - 248x^4 + 396x^3 - 202x^2 + 30x - 1}$$

Sequence: A254228
Score: 6.41033
Type of gen. func.: ogf

$$-\frac{x^4 + 40x^3 - 178x^2 + 40x + 1}{(x - 1)(x^2 + 18x + 1)(x^2 - 18x + 1)}$$

Sequence: A254229
Score: 6.96175
Type of gen. func.: ogf

$$\frac{45x^3 + 161x^2 - 45x - 1}{(x - 1)(x^2 + 18x + 1)(x^2 - 18x + 1)}$$

Sequence: A254230
Score: 5.03911
Type of gen. func.: ogf

$$-\frac{x^4 + 4140x^3 - 22538x^2 + 4140x + 1}{(x - 1)(x^2 - 322x + 1)(x^2 + 322x + 1)}$$

Sequence: A254282
Score: 10.9352
Type of gen. func.: ogf

$$1 - f(x) + 9 f(x)^2 x - 27 x^2 f(x)^3$$

Sequence: A254282
Score: 19.8822
Type of gen. func.: revogf

$$27 x^3 - 9 x^2 + x$$

Sequence: A254282
Score: 6.18975
Type of gen. func.: ogf

$$\{(-27 n - 45) a(n + 1) + (n + 3) a(n + 2), a(0) = 1, a(1) = 9\}$$

Sequence: A254283
Score: 6.67601
Type of gen. func.: ogf

$$- \frac{x^4 + 30 x^3 - 110 x^2 + 30 x + 1}{(x - 1) (x^2 - 14 x + 1) (x^2 + 14 x + 1)}$$

Sequence: A254284
Score: 7.32910
Type of gen. func.: ogf

$$\frac{35 x^3 + 97 x^2 - 35 x - 1}{(x - 1) (x^2 - 14 x + 1) (x^2 + 14 x + 1)}$$

Sequence: A254285
Score: 5.68230
Type of gen. func.: ogf

$$- \frac{x^4 + 1890 x^3 - 13190 x^2 + 1890 x + 1}{(x - 1) (x^2 + 194 x + 1) (x^2 - 194 x + 1)}$$

Sequence: A254286
Score: 12.5355
Type of gen. func.: revogf

$$-65536 x^4 + 4096 x^3 - 96 x^2 + x$$

Sequence: A254286
Score: 5.52024
Type of gen. func.: ogf

$$\{(-256 n - 448) a(n + 1) + (n + 3) a(n + 2), a(0) = 1, a(1) = 96\}$$

Sequence: A254287
Score: 5.32166
Type of gen. func.: ogf

$$\{(-3125 n - 5625) a(n + 1) + (n + 3) a(n + 2), a(0) = 1, a(1) = 1250\}$$

Sequence: A254308
Score: 10.6791
Type of gen. func.: ogf

$$\frac{x (x^4 - x^3 + 2 x^2 + x + 1)}{x^6 - 4 x^3 + 1}$$

Sequence: A254314
Score: 7.70185
Type of gen. func.: ogf

$$-2 f(x)^2 x - f(x) x^2 + f(x)^2 + 6 f(x) x - 3 f(x) - 3 x + 2$$

Sequence: A254316
Score: 7.72358
Type of gen. func.: ogf

$$-f(x)^2 x^2 + f(x)^2 x - f(x) x^2 + 2 f(x) x - f(x) - 2 x + 1$$

Sequence: A254316
Score: 8.68903
Type of gen. func.: revogf

$$-\frac{x^2 + (x^4 + 6x^2 - 4x + 1)^{1/2} - 2x - 1}{2(x + 2)}$$

Sequence: A254322
Score: 21.0717
Type of gen. func.: lgdegf]

$$\frac{10}{-11x + 1}$$

Sequence: A254322
Score: 6.94671
Type of gen. func.: ogf

$$\{(-11n - 21)\,a(n + 1) + a(n + 2),\ a(0) = 1,\ a(1) = 10\}$$

Sequence: A254332
Score: 8.23066
Type of gen. func.: ogf

$$\frac{2x^3 + 19x^2 - 2x - 1}{(x - 1)(x^2 + 6x - 1)(x^2 - 6x - 1)}$$

Sequence: A254333
Score: 6.62917
Type of gen. func.: ogf

$$-\frac{x^4 + 15x^3 - 302x^2 + 15x + 1}{(x - 1)(x^2 + 38x + 1)(x^2 - 38x + 1)}$$

Sequence: A254362
Score: 11.7396
Type of gen. func.: ogf

$$-\frac{47 x^2 - 45 x + 10}{(2 x - 1) (3 x - 1) (x - 1)}$$

Sequence: A254362
Score: 6.46674
Type of gen. func.: ogf

$$(50 f(x) - 599) (6 f(x) x^3 - 11 f(x) x^2 + 6 f(x) x + 47 x^2 - f(x) - 45 x + 10)$$

Sequence: A254362
Score: 6.57822
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 11 a(n + 1) + 6 a(n), a(0) = 10, a(1) = 15, a(2) = 27\}$$

Sequence: A254363
Score: 11.3264
Type of gen. func.: ogf

$$-\frac{342 x^3 - 427 x^2 + 165 x - 20}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A254363
Score: 6.4722
Type of gen. func.: ogf

$$-(f(x) - 118) (24 f(x) x^4 - 50 f(x) x^3 + 35 f(x) x^2 + 342 x^3 - 10 f(x) x - 427 x^2 + f(x) + 165 x - 20)$$

Sequence: A254364
Score: 6.10450

Type of gen. func.: ogf

$$-\frac{2754 x^4 - 4081 x^3 + 2107 x^2 - 455 x + 35}{(x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A254365
Score: 11.7396
Type of gen. func.: ogf

$$-\frac{74 x^2 - 69 x + 15}{(2 x - 1) (3 x - 1) (x - 1)}$$

Sequence: A254365
Score: 6.52201
Type of gen. func.: ogf

$$(f(x) + 377) (6 f(x) x^3 - 11 f(x) x^2 + 6 f(x) x + 74 x^2 - f(x) - 69 x + 15)$$

Sequence: A254365
Score: 6.57822
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 11 a(n + 1) + 6 a(n), a(0) = 15, a(1) = 21, a(2) = 35\}$$

Sequence: A254366
Score: 4.74471
Type of gen. func.: ogf

$$-(f(x) - 141) (24 f(x) x^4 - 50 f(x) x^3 + 35 f(x) x^2 + 638 x^3 - 10 f(x) x - 777 x^2 + f(x) + 294 x - 35)$$

Sequence: A254366
Score: 8.30325
Type of gen. func.: ogf

$$-\frac{638 x^3 - 777 x^2 + 294 x - 35}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A254367
Score: 6.15999
Type of gen. func.: ogf

$$-\frac{2 (2972 x^4 - 4302 x^3 + 2177 x^2 - 462 x + 35)}{(x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A254368
Score: 15.3333
Type of gen. func.: ogf

$$-\frac{107 x^2 - 98 x + 21}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A254368
Score: 8.36359
Type of gen. func.: ogf

$$-(f(x) - 81) (6 f(x) x^3 - 11 f(x) x^2 + 6 f(x) x + 107 x^2 - f(x) - 98 x + 21)$$

Sequence: A254368
Score: 8.50420
Type of gen. func.: lgdogf

$$-\frac{-642 x^4 + 1176 x^3 - 814 x^2 + 248 x - 28}{-642 x^5 + 1765 x^4 - 1846 x^3 + 926 x^2 - 224 x + 21}$$

Sequence: A254368
Score: 8.72414
Type of gen. func.: ogf

{-a(n + 3) + 6 a(n + 2) - 11 a(n + 1) + 6 a(n), a(0) = 21, a(1) = 28, a(2) = 44

}

Sequence: A254369
Score: 11.1496
Type of gen. func.: ogf

$$-\frac{2\,(533\,x^{3}-638\,x^{2}+238\,x-28)}{(x-1)\,(3\,x-1)\,(2\,x-1)\,(4\,x-1)}$$

Sequence: A254369
Score: 6.51594
Type of gen. func.: ogf

$$(37\,f(x)-8033)\,(24\,f(x)\,x^{4}-50\,f(x)\,x^{3}+35\,f(x)\,x^{2}+1066\,x^{3}-10\,f(x)\,x-1276\,x^{2}+f(x)+476\,x-56)$$

Sequence: A254370
Score: 6.02979
Type of gen. func.: ogf

$$-\frac{6\,(1879\,x^{4}-2675\,x^{3}+1335\,x^{2}-280\,x+21)}{(x-1)\,(4\,x-1)\,(3\,x-1)\,(2\,x-1)\,(5\,x-1)}$$

Sequence: A254371
Score: 12.6802
Type of gen. func.: lgdogf

$$-\frac{3\,x^{2}+18\,x+9}{x^{3}+3\,x^{2}-3\,x-1}$$

Sequence: A254371
Score: 4.14176
Type of gen. func.: ogf

{(n + 3) a(n + 4) + (-3 + 3 n) a(n + 3) + (-21 - 3 n) a(n + 2)

+ (-3 - n) a(n + 1), a(0) = 0, a(1) = 8, a(2) = 72, a(3) = 288}

Sequence: A254371
Score: 9.81202
Type of gen. func.: ogf

$$-\frac{8 x (x^{2} + 4 x + 1)}{(x - 1)^{5}}$$

Sequence: A254372
Score: 7.19684
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^{10} + 3 x^{9} - 2 x^{7} - 2 x^{6} + 4 x^{5} - 2 x^{4} - 2 x^{3} + 3 x - 2}{-x^{12} + 1}$$

Sequence: A254373
Score: 8.03620
Type of gen. func.: ogf

$$-\frac{x^{8} + 5 x^{7} + 4 x^{6} + 7 x^{5} + 5 x^{4} + 7 x^{3} + 4 x^{2} + 5 x + 1}{(x - 1) (x^{2} + x + 1) (x^{6} + x^{3} + 1)}$$

Sequence: A254374
Score: 8.03620
Type of gen. func.: ogf

$$-\frac{x^{8} + 6 x^{7} + 7 x^{6} + 4 x^{5} + 6 x^{4} + 4 x^{3} + 7 x^{2} + 6 x + 1}{(x - 1) (x^{2} + x + 1) (x^{6} + x^{3} + 1)}$$

Sequence: A254375
Score: 8.03620
Type of gen. func.: ogf

$$-\frac{x^8 + 8x^7 + 4x^6 + 7x^5 + 8x^4 + 7x^3 + 4x^2 + 8x + 1}{(x - 1)(x^2 + x + 1)(x^6 + x^3 + 1)}$$

Sequence: A254381
Score: 16.0103
Type of gen. func.: lgdegf]

$$\frac{18}{-12x + 1}$$

Sequence: A254381
Score: 5.27812
Type of gen. func.: ogf

$$\{(-12n - 30)\,a(n + 1) + a(n + 2),\ a(0) = 1,\ a(1) = 18\}$$

Sequence: A254381
Score: 7.64852
Type of gen. func.: egf]

$$-1728 f(x)^2 x^3 + 432 f(x)^2 x^2 - 36 f(x)^2 x + f(x)^2 - 1$$

Sequence: A254399
Score: 7.85265
Type of gen. func.: ogf

$$\frac{x (x - 1)(x^2 + 2x - 2)}{(x^2 - 3x + 1)(x^2 + 4x - 1)(x^2 - x - 1)}$$

Sequence: A254407
Score: 12.5690
Type of gen. func.: ogf

$$\frac{x (4x + 7)}{(x - 1)^4}$$

Sequence: A254407
Score: 16.3397
Type of gen. func.: lgdogf

$$-\frac{12 x + 32}{4 x^2 + 3 x - 7}$$

Sequence: A254407
Score: 5.33977
Type of gen. func.: ogf

$$\{(14 + 7 n) a(n + 3) + (-35 - 3 n) a(n + 2) + (-12 - 4 n) a(n + 1), a(0) = 0, a(1) = 7, a(2) = 32\}$$

Sequence: A254407
Score: 5.8776
Type of gen. func.: ogf

$$(17103350 f(x) + 84364463)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 4 x^2 + f(x) - 7 x)$$

Sequence: A254408
Score: 4.69105
Type of gen. func.: ogf

$$\{(-16 n^2 - 48 n - 36) a(n + 1) + (n^2 + 2 n + 1) a(n + 2), a(0) = 0, a(1) = 8\}$$

Sequence: A254432
Score: 4.48123
Type of gen. func.: ogf

$$\frac{9 x^{12} + 69 x^{11} - 60 x^{10} + 12 x^9 - 5 x^7 - 25 x^6 - 2 x^3 - 2 x^2 - 2 x + 1}{(3 x - 1) (x - 1)}$$

Sequence: A254443
Score: 7.44283
Type of gen. func.: ogf

$$\frac{9 x^{4} + 4 x^{3} - 136 x^{2} - 40 x - 35}{(x - 1) (x^{4} - 20 x^{2} + 1)}$$

Sequence: A254460
Score: 5.92209
Type of gen. func.: ogf

$$- \frac{64 x^{5} + 8 x^{4} + 64 x^{3} - x^{2} - 8 x - 1}{(4 x - 1) (x - 1) (x^{2} + x + 1) (16 x^{2} + 4 x + 1)}$$

Sequence: A254463
Score: 4.91059
Type of gen. func.: ogf

$$- \frac{2 (12276 x^{5} - 20578 x^{4} + 12831 x^{3} - 3766 x^{2} + 525 x - 28)}{(x - 1) (6 x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A254464
Score: 3.88924
Type of gen. func.: ogf

$$- \frac{6 (40188 x^{6} - 74058 x^{5} + 52931 x^{4} - 19005 x^{3} + 3647 x^{2} - 357 x + 14)}{(x - 1) (6 x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A254465
Score: 5.88939
Type of gen. func.: ogf

$$- \frac{6 (10036 x^{5} - 16454 x^{4} + 10065 x^{3} - 2905 x^{2} + 399 x - 21)}{(x - 1) (6 x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A254466
Score: 3.93178
Type of gen. func.: ogf

$$-\frac{6\,(110440\,x^{6}-199272\,x^{5}+139840\,x^{4}-49405\,x^{3}+9345\,x^{2}-903\,x+35)}{(x-1)\,(6\,x-1)\,(4\,x-1)\,(3\,x-1)\,(2\,x-1)\,(7\,x-1)\,(5\,x-1)}$$

Sequence: A254467
Score: 4.42081
Type of gen. func.: ogf

$$-\frac{6\,(21310\,x^{5}-34383\,x^{4}+20750\,x^{3}-5920\,x^{2}+805\,x-42)}{(x-1)\,(6\,x-1)\,(4\,x-1)\,(3\,x-1)\,(2\,x-1)\,(5\,x-1)}$$

Sequence: A254468
Score: 3.84392
Type of gen. func.: ogf

$$-6\,(259610\,x^{6}-461263\,x^{5}+319473\,x^{4}-111595\,x^{3}+20900\,x^{2}-2002\,x+77)/($$
$$(x-1)\,(6\,x-1)\,(4\,x-1)\,(3\,x-1)\,(2\,x-1)\,(7\,x-1)\,(5\,x-1))$$

Sequence: A254469
Score: 11.7496
Type of gen. func.: lgdogf

$$-\frac{8\,x^{2}+38\,x+14}{x^{3}+3\,x^{2}-3\,x-1}$$

Sequence: A254469
Score: 3.85808
Type of gen. func.: ogf

$$\{(n+4)\,a(n+4)+(-5+3\,n)\,a(n+3)+(-44-3\,n)\,a(n+2)$$
$$+(-9-n)\,a(n+1),\ a(0)=1,\ a(1)=14,\ a(2)=96,\ a(3)=450\}$$

Sequence: A254469
Score: 5.87480
Type of gen. func.: ogf

$$\frac{x^2 + 4x + 1}{(x-1)^{10}}$$

Sequence: A254470
Score: 4.14274
Type of gen. func.: ogf

$$\{(4n^2 + 73n + 333)\,a(n+1) + (-8n^2 - 96n - 226)\,a(n+2) + (4n^2 + 23n + 33)\,a(n+3),\ a(0) = 1,\ a(1) = 22,\ a(2) = 198\}$$

Sequence: A254470
Score: 5.00919
Type of gen. func.: ogf

$$-\frac{(x+1)(x^2 + 10x + 1)}{(x-1)^{11}}$$

Sequence: A254470
Score: 9.70134
Type of gen. func.: lgdogf

$$-\frac{8x^3 + 102x^2 + 132x + 22}{x^4 + 10x^3 - 10x - 1}$$

Sequence: A254471
Score: 4.27508
Type of gen. func.: ogf

$$\frac{x^4 + 26x^3 + 66x^2 + 26x + 1}{(x-1)^{12}}$$

Sequence: A254471
Score: 6.91205
Type of gen. func.: lgdogf

$$- \frac{-8 x^4 - 238 x^3 - 738 x^2 - 418 x - 38}{-x^5 - 25 x^4 - 40 x^3 + 40 x^2 + 25 x + 1}$$

Sequence: A254473
Score: 10.0701
Type of gen. func.: ogf

$$\frac{x^3 + 29 x^2 + 59 x + 7}{(x - 1)^4}$$

Sequence: A254473
Score: 3.82472
Type of gen. func.: ogf

$$\{(622 n^2 + 2567 n + 2646) a(n + 1) + (-6092 n^2 - 47254 n - 104853) a(n + 2)$$

$$+ (5470 n^2 + 30143 n + 41199) a(n + 3), a(0) = 7, a(1) = 87, a(2) = 335\}$$

Sequence: A254473
Score: 5.30361
Type of gen. func.: ogf

$$(195264 f(x) + 8139067)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 29 x^2 + f(x) - 59 x - 7)$$

Sequence: A254473
Score: 9.14415
Type of gen. func.: lgdogf

$$- \frac{x^3 + 61 x^2 + 235 x + 87}{}$$

$$x^4 + 28 x^3 + 30 x^2 - 52 x - 7$$

Sequence: A254474
Score: 13.1256
Type of gen. func.: ogf

$$-\frac{x (27 x + 1)}{(x - 1)^3}$$

Sequence: A254474
Score: 14.6400
Type of gen. func.: lgdogf

$$-\frac{-54 x - 30}{-27 x^2 + 26 x + 1}$$

Sequence: A254474
Score: 6.09026
Type of gen. func.: ogf

$$-(1934128 f(x) - 17847789) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 27 x^2 - f(x) + x)$$

Sequence: A254474
Score: 6.79716
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 30\}$$

Sequence: A254523
Score: 16.3742
Type of gen. func.: egf]

$$(f(x) x - f(x) + 1)^2$$

Sequence: A254527

Score: 12.4420
Type of gen. func.: lgdogf

$$-\frac{x^2 + 10x + 13}{x^3 + 3x^2 - x - 3}$$

Sequence: A254527
Score: 13.4618
Type of gen. func.: ogf

$$-\frac{2(x + 3)(x + 1)}{(x - 1)^3}$$

Sequence: A254527
Score: 7.07904
Type of gen. func.: ogf

$$(764 f(x) - 6069) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x) + 8 x + 6)$$

Sequence: A254527
Score: 7.20324
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 6, a(1) = 26, a(2) = 62\}$$

Sequence: A254594
Score: 11.2408
Type of gen. func.: ogf

$$\frac{1}{(x^2 + 1)(x^2 + x + 1)(x + 1)^3 (x - 1)^4}$$

Sequence: A254594
Score: 25.1009
Type of gen. func.: ogf_with_Euler_transform]

^{2}

$$x (x + x + 2)$$

Sequence: A254598
Score: 11.8958
Type of gen. func.: lgdogf

$$-\frac{-7 x^2 - 14 x - 9}{-7 x^3 - 15 x^2 - 7 x + 1}$$

Sequence: A254598
Score: 17.4472
Type of gen. func.: ogf

$$-\frac{x + 1}{7 x^2 + 8 x - 1}$$

Sequence: A254598
Score: 9.12936
Type of gen. func.: ogf

$$(86 f(x) - 5) (7 f(x) x^2 + 8 f(x) x - f(x) + x + 1)$$

Sequence: A254598
Score: 9.57468
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) - 7 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A254599
Score: 10.7240
Type of gen. func.: lgdogf

$$-\frac{-8 x^2 - 16 x - 10}{-8 x^3 - 17 x^2 - 8 x + 1}$$

Sequence: A254599
Score: 15.9668
Type of gen. func.: ogf

$$-\frac{x + 1}{8 x^2 + 9 x - 1}$$

Sequence: A254599
Score: 8.35474
Type of gen. func.: ogf

$$(53 f(x) - 3) (8 f(x) x^2 + 9 f(x) x - f(x) + x + 1)$$

Sequence: A254599
Score: 8.65671
Type of gen. func.: ogf

{a(n + 2) - 9 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 10}

Sequence: A254600
Score: 10.4180
Type of gen. func.: lgdogf

$$-\frac{-9 x^2 - 18 x - 11}{-9 x^3 - 19 x^2 - 9 x + 1}$$

Sequence: A254600
Score: 15.1740
Type of gen. func.: ogf

$$-\frac{x + 1}{9 x^2 + 10 x - 1}$$

Sequence: A254600
Score: 7.93188
Type of gen. func.: ogf

$$(128 f(x) - 7) (9 f(x) x^2 + 10 f(x) x - f(x) + x + 1)$$

Sequence: A254600
Score: 8.30958
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) - 9 a(n), a(0) = 1, a(1) = 11\}$$

Sequence: A254601
Score: 10.7473
Type of gen. func.: lgdogf

$$- \frac{-4 x^2 - 8 x - 7}{-4 x^3 - 10 x^2 - 5 x + 1}$$

Sequence: A254601
Score: 15.5239
Type of gen. func.: ogf

$$- \frac{x + 1}{4 x^2 + 6 x - 1}$$

Sequence: A254601
Score: 8.12297
Type of gen. func.: ogf

$$(50 f(x) - 1) (4 f(x) x^2 + 6 f(x) x - f(x) + x + 1)$$

Sequence: A254601
Score: 8.51921
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A254602
Score: 11.2402
Type of gen. func.: lgdogf

$$-\frac{-5 x^2 - 10 x - 8}{-5 x^3 - 12 x^2 - 6 x + 1}$$

Sequence: A254602
Score: 16.4856
Type of gen. func.: ogf

$$-\frac{x + 1}{5 x^2 + 7 x - 1}$$

Sequence: A254602
Score: 8.62617
Type of gen. func.: ogf

$$(33 f(x) - 1) (5 f(x) x^2 + 7 f(x) x - f(x) + x + 1)$$

Sequence: A254602
Score: 9.04695
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) - 5 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A254612
Score: 5.79398
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 1}{x^9 - 1}$$

Sequence: A254613
Score: 6.02731
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^8+x^7+x^6-3x^5+x^4+x^3-3x^2+x+1}{x^9-1}$$

Sequence: A254619
Score: 16.9780
Type of gen. func.: lgdegf]

$$\frac{24}{-16x+1}$$

Sequence: A254619
Score: 5.59713
Type of gen. func.: ogf

$$\{(-16n-40)\,a(n+1)+a(n+2),\ a(0)=1,\ a(1)=24\}$$

Sequence: A254619
Score: 5.85446
Type of gen. func.: egf]

$$-4096\,f(x)^2x^3+768\,f(x)^2x^2-48\,f(x)^2x+f(x)^2-1$$

Sequence: A254620
Score: 19.7929
Type of gen. func.: lgdegf]

$$\frac{54}{-36x+1}$$

Sequence: A254620
Score: 6.52514
Type of gen. func.: ogf

$$\{(-36n-90)\,a(n+1)+a(n+2),\ a(0)=1,\ a(1)=54\}$$

Sequence: A254620
Score: 6.59764
Type of gen. func.: egf]

$$-46656 f(x)^2 x^3 + 3888 f(x)^2 x^2 - 108 f(x)^2 x + f(x)^2 - 1$$

Sequence: A254626
Score: 7.79307
Type of gen. func.: ogf

$$-\frac{(x^2 + 1) (x + 1)^2}{(x - 1) (x^2 + 4 x - 1) (x^2 - 4 x - 1)}$$

Sequence: A254627
Score: 8.17669
Type of gen. func.: ogf

$$\frac{x^3 + 9 x^2 - x - 1}{(x - 1) (x^2 + 4 x - 1) (x^2 - 4 x - 1)}$$

Sequence: A254628
Score: 7.18083
Type of gen. func.: ogf

$$-\frac{x^4 + 5 x^3 - 52 x^2 + 5 x + 1}{(x - 1) (x^2 + 18 x + 1) (x^2 - 18 x + 1)}$$

Sequence: A254633
Score: 13.9961
Type of gen. func.: ogf

hypergeom([1/2, 3/2], [3], 64 x)

Sequence: A254633
Score: 5.55399

Type of gen. func.: ogf

$$\{(-64 n^2 - 256 n - 240) a(n + 1) + (n^2 + 6 n + 8) a(n + 2), a(0) = 1, a(1) = 16\}$$

Sequence: A254640
Score: 4.56536
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + 56 x^3 + 246 x^2 + 56 x + 1)}{(x - 1)^{10}}$$

Sequence: A254641
Score: 3.85423
Type of gen. func.: ogf

$$- \frac{x^6 + 120 x^5 + 1191 x^4 + 2416 x^3 + 1191 x^2 + 120 x + 1}{(x - 1)^{11}}$$

Sequence: A254644
Score: 3.75844
Type of gen. func.: ogf

$$\frac{x^4 + 26 x^3 + 66 x^2 + 26 x + 1}{(x - 1)^{10}}$$

Sequence: A254652
Score: 6.75567
Type of gen. func.: ogf

$$- \frac{(x^2 + 7 x + 1) (x^2 - 4 x + 1)}{(x - 1) (x^4 - 110 x^2 + 1)}$$

Sequence: A254653
Score: 8.08489
Type of gen. func.: ogf

$$\frac{2 x^3 + 55 x^2 - 2 x - 1}{(x - 1) (x^4 - 110 x^2 + 1)}$$

Sequence: A254654
Score: 6.08667
Type of gen. func.: ogf

$$- \frac{x^4 + 21 x^3 - 548 x^2 + 21 x + 1}{(x - 1) (x^2 - 110 x + 1) (x^2 + 110 x + 1)}$$

Sequence: A254657
Score: 10.6558
Type of gen. func.: lgdogf

$$- \frac{-6 x^2 - 12 x - 9}{-6 x^3 - 14 x^2 - 7 x + 1}$$

Sequence: A254657
Score: 15.6285
Type of gen. func.: ogf

$$- \frac{x + 1}{6 x^2 + 8 x - 1}$$

Sequence: A254657
Score: 7.7284
Type of gen. func.: ogf

$$-(730 f(x) - 1) (6 f(x) x^2 + 8 f(x) x - f(x) + x + 1)$$

Sequence: A254657
Score: 8.57663
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) - 6 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A254658
Score: 11.3655
Type of gen. func.: lgdogf

$$-\frac{-4 x^2 - 8 x - 8}{-4 x^3 - 11 x^2 - 6 x + 1}$$

Sequence: A254658
Score: 16.4169
Type of gen. func.: ogf

$$-\frac{x + 1}{4 x^2 + 7 x - 1}$$

Sequence: A254658
Score: 9.00926
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A254658
Score: 9.59427
Type of gen. func.: ogf

$$f(x) (4 f(x) x^2 + 7 f(x) x - f(x) + x + 1)$$

Sequence: A254659
Score: 10.6097
Type of gen. func.: lgdogf

$$-5 x^2 - 10 x - 9$$

$$- \frac{\quad}{-5 x^3 - 13 x^2 - 7 x + 1}$$

Sequence: A254659
Score: 15.5609
Type of gen. func.: ogf

$$- \frac{x + 1}{5 x^2 + 8 x - 1}$$

Sequence: A254659
Score: 8.14233
Type of gen. func.: ogf

$$(82 f(x) - 1) (5 f(x) x^2 + 8 f(x) x - f(x) + x + 1)$$

Sequence: A254659
Score: 8.53951
Type of gen. func.: ogf

{a(n + 2) - 8 a(n + 1) - 5 a(n), a(0) = 1, a(1) = 9}

Sequence: A254660
Score: 10.7703
Type of gen. func.: lgdogf

$$- \frac{-2 x^2 - 4 x - 7}{-2 x^3 - 8 x^2 - 5 x + 1}$$

Sequence: A254660
Score: 15.3178
Type of gen. func.: ogf

$$- \frac{x + 1}{2 x^2 + 6 x - 1}$$

Sequence: A254660
Score: 8.01515
Type of gen. func.: ogf

$$(46 f(x) + 3) (2 f(x) x^2 + 6 f(x) x - f(x) + x + 1)$$

Sequence: A254660
Score: 8.40612
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A254662
Score: 11.2704
Type of gen. func.: lgdogf

$$- \frac{-3 x^2 - 6 x - 8}{-3 x^3 - 10 x^2 - 6 x + 1}$$

Sequence: A254662
Score: 16.2795
Type of gen. func.: ogf

$$- \frac{x + 1}{3 x^2 + 7 x - 1}$$

Sequence: A254662
Score: 8.51834
Type of gen. func.: ogf

$$(31 f(x) + 1) (3 f(x) x^2 + 7 f(x) x - f(x) + x + 1)$$

Sequence: A254662
Score: 8.93385
Type of gen. func.: ogf

$$\{a(n+2) - 7 a(n+1) - 3 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A254663
Score: 11.3982
Type of gen. func.: lgdogf

$$-\frac{-2 x^2 - 4 x - 8}{-2 x^3 - 9 x^2 - 6 x + 1}$$

Sequence: A254663
Score: 16.2108
Type of gen. func.: ogf

$$-\frac{x + 1}{2 x^2 + 7 x - 1}$$

Sequence: A254663
Score: 8.4824
Type of gen. func.: ogf

$$(15 f(x) + 1) (2 f(x) x^2 + 7 f(x) x - f(x) + x + 1)$$

Sequence: A254663
Score: 8.89616
Type of gen. func.: ogf

$$\{a(n+2) - 7 a(n+1) - 2 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A254664
Score: 13.8469
Type of gen. func.: ogf

$$-\frac{x + 1}{3 x^2 + 8 x - 1}$$

Sequence: A254664
Score: 6.77296
Type of gen. func.: ogf

$$-(652 f(x) + 77) (3 f(x) x^2 + 8 f(x) x - f(x) + x + 1)$$

Sequence: A254664
Score: 7.59893
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 9\}$$

Sequence: A254664
Score: 9.58634
Type of gen. func.: lgdogf

$$-\frac{-3 x^2 - 6 x - 9}{-3 x^3 - 11 x^2 - 7 x + 1}$$

Sequence: A254667
Score: 13.1563
Type of gen. func.: ogf

$$\frac{x (x^2 - 2 x + 2)}{(x - 1)^2}$$

Sequence: A254667
Score: 17.0433
Type of gen. func.: lgdogf

$$\frac{2}{-x^3 + 3 x^2 - 4 x + 2}$$

Sequence: A254667
Score: 6.63635

Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) + a(n + 2), a(0) = 0, a(1) = 2, a(2) = 2, a(3) = 3\}$$

Sequence: A254667
Score: 9.99877
Type of gen. func.: ogf

$$-f(x) x^{2} + x^{3} + 2 f(x) x - 2 x^{2} - f(x) + 2 x$$

Sequence: A254674
Score: 7.04045
Type of gen. func.: ogf

$$- \frac{x^{4} + 9 x^{3} - 38 x^{2} + 9 x + 1}{(x - 1) (x^{2} - 8 x + 1) (x^{2} + 8 x + 1)}$$

Sequence: A254675
Score: 7.57747
Type of gen. func.: ogf

$$\frac{12 x^{3} + 31 x^{2} - 12 x - 1}{(x - 1) (x^{2} - 8 x + 1) (x^{2} + 8 x + 1)}$$

Sequence: A254676
Score: 6.43450
Type of gen. func.: ogf

$$- \frac{x^{4} + 234 x^{3} - 1238 x^{2} + 234 x + 1}{(x - 1) (x^{2} - 62 x + 1) (x^{2} + 62 x + 1)}$$

Sequence: A254681
Score: 3.46944
Type of gen. func.: ogf

$$\{(4 n^2 + 65 n + 264) a(n + 1) + (-8 n^2 - 88 n - 207) a(n + 2)$$

$$+ (4 n^2 + 23 n + 33) a(n + 3), a(0) = 1, a(1) = 21, a(2) = 176\}$$

Sequence: A254681
Score: 4.52004
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 10 x + 1)}{(x - 1)^{10}}$$

Sequence: A254681
Score: 8.22879
Type of gen. func.: lgdogf

$$- \frac{7 x^3 + 91 x^2 + 121 x + 21}{x^4 + 10 x^3 - 10 x - 1}$$

Sequence: A254682
Score: 3.88428
Type of gen. func.: ogf

$$- \frac{x^4 + 26 x^3 + 66 x^2 + 26 x + 1}{(x - 1)^{11}}$$

Sequence: A254685
Score: 17.7336
Type of gen. func.: ogf

$$\frac{1}{x^5 - x^3 - x^2 - x + 1}$$

Sequence: A254685
Score: 9.97516

Type of gen. func.: lgdogf

$$-\frac{-5x^4+3x^2+2x+1}{-x^5+x^3+x^2+x-1}$$

Sequence: A254699
Score: 7.09972
Type of gen. func.: lgdogf

$$-\frac{-x^4+6x^3-42x^2-130x-133}{-x^5+6x^4-24x^3-4x^2+x+22}$$

Sequence: A254699
Score: 7.46195
Type of gen. func.: ogf

$$-\frac{x^4-5x^3+19x^2+23x+22}{(x-1)^5}$$

Sequence: A254700
Score: 6.03791
Type of gen. func.: ogf

$$-\frac{x^5-6x^4+30x^3-24x^2-63x-34}{(x-1)^6}$$

Sequence: A254701
Score: 4.76737
Type of gen. func.: ogf

$$-\frac{x^6-7x^5+27x^4-139x^3+34x^2+174x+54}{(x-1)^7}$$

Sequence: A254702
Score: 4.51930
Type of gen. func.: ogf

$$-\frac{x^7 - 8 x^6 + 18 x^5 - 122 x^4 + 601 x^3 - 96 x^2 - 452 x - 86}{(x - 1)^8}$$

Sequence: A254703
Score: 3.96373
Type of gen. func.: ogf

$$-\frac{x^7 - 8 x^6 + 20 x^5 + 204 x^4 + 873 x^3 - 1604 x^2 - 1222 x - 136}{(x - 1)^8}$$

Sequence: A254704
Score: 4.15452
Type of gen. func.: ogf

$$-\frac{x^7 - 8 x^6 + 48 x^5 + 472 x^4 - 1163 x^3 - 6804 x^2 - 2846 x - 212}{(x - 1)^8}$$

Sequence: A254705
Score: 3.34398
Type of gen. func.: ogf

$$-\frac{x^8 - 9 x^7 + 56 x^6 - 614 x^5 - 6817 x^4 - 2133 x^3 + 17962 x^2 + 6100 x + 334}{(x - 1)^9}$$

Sequence: A254707
Score: 8.69937
Type of gen. func.: ogf

```
                 2
              2 x  + 1
    ---------------------------------------
      2        2                  3        4
```

$$(x + 1) (x + x + 1) (x + 1) (x - 1)$$

Sequence: A254708
Score: 8.86912
Type of gen. func.: ogf

$$\frac{x^2 + 2}{(x^2 + 1) (x^2 + x + 1) (x + 1)^3 (x - 1)^4}$$

Sequence: A254709
Score: 7.61366
Type of gen. func.: ogf

$$- \frac{x^4 + x^3 - 6 x^2 + x + 1}{(x - 1) (x^2 - 4 x + 1) (x^2 + 4 x + 1)}$$

Sequence: A254710
Score: 8.27632
Type of gen. func.: ogf

$$\frac{x^3 + 7 x^2 - x - 1}{(x - 1) (x^2 - 4 x + 1) (x^2 + 4 x + 1)}$$

Sequence: A254711
Score: 6.67006
Type of gen. func.: ogf

$$- \frac{x^4 + 4 x^3 - 54 x^2 + 4 x + 1}{(x - 1) (x^2 - 14 x + 1) (x^2 + 14 x + 1)}$$

Sequence: A254729
Score: 16.4870
Type of gen. func.: ogf

$$\frac{(x - 1) (x + 1) (x^2 + 1)}{x^2 + x - 1}$$

Sequence: A254729
Score: 6.41163
Type of gen. func.: ogf

{-a(n + 5) + a(n + 4) + a(n + 3), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 3,

a(4) = 4}

Sequence: A254729
Score: 8.41526
Type of gen. func.: lgdogf

$$- \frac{-2 x^5 - 3 x^4 + 4 x^3 - 2 x - 1}{x^6 + x^5 - x^4 - x^2 - x + 1}$$

Sequence: A254729
Score: 8.5943
Type of gen. func.: ogf

$$-(15 f(x) + 2) (-x^4 + f(x) x^2 + f(x) x - f(x) + 1)$$

Sequence: A254745
Score: 10.1103
Type of gen. func.: lgdogf

$$- \frac{-2 x^3 - x^2 + 4 x - 3}{-x^4 + x^3 - x + 1}$$

Sequence: A254745
Score: 13.7348
Type of gen. func.: ogf

$$x + 1$$

$$-\frac{}{(x - 1)\,(x^{2} - x + 1)}$$

Sequence: A254745
Score: 22.0018
Type of gen. func.: ogf_with_Euler_transform]

$$x^{5} - x^{2} - 2\,x + 3$$

Sequence: A254745
Score: 6.49949
Type of gen. func.: ogf

$$\{a(n + 3) - 2\,a(n + 2) + 2\,a(n + 1) - a(n),\ a(0) = 1,\ a(1) = 3,\ a(2) = 4\}$$

Sequence: A254745
Score: 6.67838
Type of gen. func.: ogf

$$-(3\,f(x) + 109)\,(f(x)\,x^{3} - 2\,f(x)\,x^{2} + 2\,f(x)\,x - f(x) + x + 1)$$

Sequence: A254749
Score: 11.0905
Type of gen. func.: ogf

$$-\frac{2\,x - 1}{(x - 1)^{4}}$$

Sequence: A254749
Score: 14.0941
Type of gen. func.: lgdogf

$$-\frac{2 - 6\,x}{-2\,x^{2} + 3\,x - 1}$$

Sequence: A254749
Score: 4.51012
Type of gen. func.: ogf

$$\{(-3 - n)\, a(n + 3) + (8 + 3 n)\, a(n + 2) + (-8 - 2 n)\, a(n + 1),\ a(0) = 1,\ a(1) = 2,\ a(2) = 2\}$$

Sequence: A254749
Score: 5.59106
Type of gen. func.: ogf

$$(7 f(x) - 5) (f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 4 f(x) x + f(x) + 2 x - 1)$$

Sequence: A254757
Score: 13.2854
Type of gen. func.: ogf

$$\frac{x + 17}{x^{2} - 6 x + 1}$$

Sequence: A254757
Score: 6.79033
Type of gen. func.: ogf

$$(584 f(x) + 681) (f(x) x^{2} - 6 f(x) x + f(x) - x - 17)$$

Sequence: A254757
Score: 7.18975
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - a(n),\ a(0) = 17,\ a(1) = 103\}$$

Sequence: A254757
Score: 8.60745
Type of gen. func.: lgdogf

$$- \frac{x^{2} + 34 x - 103}{{}^{3} \qquad {}^{2}}$$

$$x + 11 x - 101 x + 17$$

Sequence: A254758
Score: 12.4388
Type of gen. func.: ogf

$$\frac{17 x + 1}{x^2 - 6 x + 1}$$

Sequence: A254758
Score: 6.35761
Type of gen. func.: ogf

$$(136 f(x) + 393) (f(x) x^2 - 6 f(x) x + f(x) - 17 x - 1)$$

Sequence: A254758
Score: 6.89378
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - a(n), a(0) = 1, a(1) = 23\}$$

Sequence: A254758
Score: 8.17406
Type of gen. func.: lgdogf

$$- \frac{17 x^2 + 2 x - 23}{17 x^3 - 101 x^2 + 11 x + 1}$$

Sequence: A254759
Score: 12.2434
Type of gen. func.: ogf

$$- \frac{13 x - 5}{x^2 - 6 x + 1}$$

Sequence: A254759
Score: 6.05589
Type of gen. func.: ogf

$$-(92 f(x) - 171) (f(x) x^2 - 6 f(x) x + f(x) + 13 x - 5)$$

Sequence: A254759
Score: 6.78551
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + a(n), a(0) = 5, a(1) = 17\}$$

Sequence: A254759
Score: 8.04567
Type of gen. func.: lgdogf

$$-\frac{-13 x^2 + 10 x - 17}{-13 x^3 + 83 x^2 - 43 x + 5}$$

Sequence: A254782
Score: 10.4776
Type of gen. func.: ogf

$$-\frac{x^2 - 12 x + 1}{(x - 1) (x^2 - 22 x + 1)}$$

Sequence: A254782
Score: 5.68276
Type of gen. func.: ogf

$$(2525 f(x) + 16) (f(x) x^3 - 23 f(x) x^2 + 23 f(x) x + x^2 - f(x) - 12 x + 1)$$

Sequence: A254782
Score: 5.73133
Type of gen. func.: ogf

$\{-a(n + 3) + 23 a(n + 2) - 23 a(n + 1) + a(n), a(0) = 1, a(1) = 11, a(2) = 231\}$

Sequence: A254782
Score: 6.26697
Type of gen. func.: lgdogf

$$-\frac{-x^{4} + 24 x^{3} - 256 x^{2} + 44 x - 11}{-x^{5} + 35 x^{4} - 300 x^{3} + 300 x^{2} - 35 x + 1}$$

Sequence: A254786
Score: 6.87602
Type of gen. func.: ogf

$$-(f(x) x^{2} + f(x) x + x^{2} - f(x) + x)^{2}$$

Sequence: A254796
Score: 5.04435
Type of gen. func.: ogf

$\{(4 n^{2} + 20 n + 25) a(n + 1) - a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 4,$

$a(2) = 25\}$

Sequence: A254847
Score: 3.79559
Type of gen. func.: ogf

$$- 16 (256 x^{8} + 352 x^{7} + 132 x^{6} - 80 x^{5} - 112 x^{4} - 91 x^{3} - 66 x^{2} - 24 x - 12) / ((4 x^{3} - 2 x^{2} - 1) (4 x^{3} + 4 x^{2} + x - 1) (4 x^{3} + 2 x^{2} + 1))$$

Sequence: A254855
Score: 7.51476
Type of gen. func.: ogf

$$-\frac{x^{4} + x^{3} - 12 x^{2} + x + 1}{}$$

$$(x-1)(x^4-26x^2+1)$$

Sequence: A254856
Score: 8.16181
Type of gen. func.: ogf

$$\frac{x^3+13x^2-x-1}{(x-1)(x^4-26x^2+1)}$$

Sequence: A254857
Score: 7.13745
Type of gen. func.: ogf

$$-\frac{x^4+7x^3+54x^2+7x+1}{(x-1)(x^2+26x+1)(x^2-26x+1)}$$

Sequence: A254869
Score: 11.0064
Type of gen. func.: lgdogf

$$-\frac{9x^2+42x+15}{x^3+3x^2-3x-1}$$

Sequence: A254869
Score: 3.57842
Type of gen. func.: ogf

{(n + 4) a(n + 4) + (-6 + 3 n) a(n + 3) + (-48 - 3 n) a(n + 2)

+ (-10 - n) a(n + 1), a(0) = 1, a(1) = 15, a(2) = 111, a(3) = 561}

Sequence: A254869
Score: 5.07986
Type of gen. func.: ogf

2

$$-\frac{x + 4 x + 1}{(x - 1)^{11}}$$

Sequence: A254870
Score: 4.00462
Type of gen. func.: ogf

$$\{(4 n^2 + 81 n + 410) a(n + 1) + (-8 n^2 - 104 n - 245) a(n + 2) + (4 n^2 + 23 n + 33) a(n + 3), a(0) = 1, a(1) = 23, a(2) = 221\}$$

Sequence: A254870
Score: 4.54183
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 10 x + 1)}{(x - 1)^{12}}$$

Sequence: A254870
Score: 9.42861
Type of gen. func.: lgdogf

$$-\frac{9 x^3 + 113 x^2 + 143 x + 23}{x^4 + 10 x^3 - 10 x - 1}$$

Sequence: A254871
Score: 7.09474
Type of gen. func.: lgdogf

$$-\frac{-9 x^4 - 264 x^3 - 804 x^2 - 444 x - 39}{-x^5 - 25 x^4 - 40 x^3 + 40 x^2 + 25 x + 1}$$

Sequence: A254874
Score: 9.82921

Type of gen. func.: ogf

$$\frac{x^3 + x^2 + 2x + 1}{(x + 1)(x^2 + x + 1)(x - 1)^4}$$

Sequence: A254875
Score: 9.78391
Type of gen. func.: ogf

$$\frac{x^3 + 2x^2 + x + 1}{(x + 1)(x^2 + x + 1)(x - 1)^4}$$

Sequence: A254877
Score: 20.3344
Type of gen. func.: ogf_with_Euler_transform]

$$-x^4 + x^3 + x^2 + 2x + 1$$

Sequence: A254877
Score: 7.34852
Type of gen. func.: ogf

$$\frac{x^4 + x^3 + x^2 + x + 1}{(x^2 + 1)(x^2 + x + 1)(x + 1)^3 (x - 1)^4}$$

Sequence: A254884
Score: 7.62019
Type of gen. func.: ogf

$$\frac{x(3x^4 - 6x^3 - 3x^2 + 6x - 1)}{(x^2 - 3x + 1)(x^2 + x - 1)(x^2 - x - 1)}$$

Sequence: A254895

Score: 6.84739
Type of gen. func.: ogf

$$-\frac{x^4 + 12 x^3 - 58 x^2 + 12 x + 1}{(x - 1) (x^2 - 10 x + 1) (x^2 + 10 x + 1)}$$

Sequence: A254896
Score: 6.02925
Type of gen. func.: ogf

$$-\frac{x^4 + 480 x^3 - 1762 x^2 + 480 x + 1}{(x - 1) (x^2 - 98 x + 1) (x^2 + 98 x + 1)}$$

Sequence: A254962
Score: 7.55589
Type of gen. func.: ogf

$$-\frac{x^4 + x^3 - 8 x^2 + x + 1}{(x - 1) (x^2 + 4 x - 1) (x^2 - 4 x - 1)}$$

Sequence: A254963
Score: 14.3742
Type of gen. func.: ogf

$$-\frac{x (4 x + 7)}{(x - 1)^3}$$

Sequence: A254963
Score: 16.7210
Type of gen. func.: lgdogf

$$-\frac{8 x + 25}{4 x^2 + 3 x - 7}$$

Sequence: A254963
Score: 7.06318
Type of gen. func.: ogf

$$(49489 f(x) - 206739) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) + 7 x)$$

Sequence: A254963
Score: 7.31544
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 7, a(2) = 25\}$$

Sequence: A254964
Score: 7.81249
Type of gen. func.: ogf

$$- \frac{(x^2 + 4 x + 1) (x^2 - 3 x + 1)}{(x - 1) (x^4 - 22 x^2 + 1)}$$

Sequence: A254965
Score: 8.52272
Type of gen. func.: ogf

$$\frac{x^3 + 11 x^2 - x - 1}{(x - 1) (x^4 - 22 x^2 + 1)}$$

Sequence: A254966
Score: 6.81301
Type of gen. func.: ogf

$$- \frac{x^4 + 6 x^3 - 20 x^2 + 6 x + 1}{(x - 1) (x^2 - 22 x + 1) (x^2 + 22 x + 1)}$$

Sequence: A254971
Score: 3.41752

Type of gen. func.: ogf

$$-(2x^{10}+45x^{9}-96x^{8}+3x^{7}+356x^{6}+328x^{5}+72x^{4}-242x^{3}-146x^{2}-68x-121)/((x+1)(x^{9}-3x^{8}+3x^{7}+4x^{6}+2x^{5}-x^{4}-4x^{3}+x^{2}-3x+1))$$

Sequence: A255020
Score: 6.17182
Type of gen. func.: ogf

$$-\frac{4x^{6}+34x^{5}+66x^{4}+74x^{3}+63x^{2}+28x+26}{2x^{6}+4x^{5}+4x^{4}+3x^{3}+x-1}$$

Sequence: A255021
Score: 4.03752
Type of gen. func.: ogf

$$-\frac{2x^{8}+31x^{7}+68x^{6}+73x^{5}-10x^{4}-124x^{3}-163x^{2}-80x-54}{x^{8}+2x^{7}+2x^{6}-x^{5}-5x^{4}-6x^{3}-2x^{2}-x+1}$$

Sequence: A255043
Score: 10.0765
Type of gen. func.: lgdogf

$$-\frac{9x^{2}+18x-11}{9x^{3}-x^{2}-9x+1}$$

Sequence: A255043
Score: 14.4577
Type of gen. func.: ogf

$$\frac{2(x+1)}{(9x-1)(x-1)}$$

Sequence: A255043
Score: 7.55742
Type of gen. func.: ogf

$$(46 f(x) + 29) (9 f(x) x^2 - 10 f(x) x + f(x) - 2 x - 2)$$

Sequence: A255043
Score: 7.91729
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 9 a(n), a(0) = 2, a(1) = 22\}$$

Sequence: A255047
Score: 10.4895
Type of gen. func.: ogf

$$-2 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x) - 2 x + 1$$

Sequence: A255047
Score: 10.6394
Type of gen. func.: lgdogf

$$- \frac{2 x^2 - 1}{4 x^4 - 10 x^3 + 10 x^2 - 5 x + 1}$$

Sequence: A255047
Score: 14.0520
Type of gen. func.: ogf

$$\frac{2 x^2 - 2 x + 1}{(2 x - 1) (x - 1)}$$

Sequence: A255047
Score: 7.30154
Type of gen. func.: ogf

$\{-a(n + 3) + 3 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 3\}$

Sequence: A255050
Score: 10.1015
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^3 - 4 x^2 + 6 x - 4}{x^4 - 4 x^3 + 6 x^2 - 4 x + 1}$$

Sequence: A255051
Score: 8.31553
Type of gen. func.: ogf

$$-\frac{2 x^7 - 2 x^6 - x^5 + x^4 - 2 x^3 - 6 x^2 - 3 x - 1}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A255052
Score: 7.73195
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^4 + 5 x^3 - 10 x^2 + 10 x - 5}{-x^5 + 5 x^4 - 10 x^3 + 10 x^2 - 5 x + 1}$$

Sequence: A255075
Score: 4.29534
Type of gen. func.: ogf

$$-(59675 f(x) + 5705771) (25 f(x) x^4 - 25 f(x) x^3 - 520 x^4 + 1816 x^3 + 5 f(x) x - 936 x^2 - f(x) - 364 x + 208)$$

Sequence: A255075
Score: 7.34981
Type of gen. func.: ogf

$$\frac{4\,(130\,x^4 - 454\,x^3 + 234\,x^2 + 91\,x - 52)}{(5\,x^2 - 1)\,(5\,x^2 - 5\,x + 1)}$$

Sequence: A255102
Score: 5.32391
Type of gen. func.: ogf

$$-\frac{26\,x^5 - 69\,x^4 + 210\,x^3 - 135\,x^2 + 30\,x - 66}{(x - 1)\,(x^5 - 2\,x^4 + 7\,x^3 - x^2 + 2\,x - 1)}$$

Sequence: A255103
Score: 3.92780
Type of gen. func.: ogf

$$-\frac{66\,x^8 - 172\,x^7 - 69\,x^6 + 438\,x^5 - 1014\,x^4 + 384\,x^3 + 237\,x^2 - 110\,x + 147}{x^9 - 3\,x^8 + 7\,x^6 - 18\,x^5 + 12\,x^4 + x^3 - 3\,x^2 + 3\,x - 1}$$

Sequence: A255108
Score: 6.72378
Type of gen. func.: ogf

$$-\frac{3\,x^5 - 17\,x^4 + 39\,x^3 - 45\,x^2 + 28\,x - 9}{(x - 1)^6}$$

Sequence: A255109
Score: 6.55966
Type of gen. func.: ogf

$$-\frac{(x^2 - 3\,x + 3)\,(6\,x^3 - 18\,x^2 + 20\,x - 9)}{(x - 1)^6}$$

Sequence: A255110
Score: 6.25860
Type of gen. func.: ogf

$$-\frac{11 x^5 - 78 x^4 + 237 x^3 - 360 x^2 + 270 x - 81}{(x - 1)^6}$$

Sequence: A255111
Score: 5.21608
Type of gen. func.: ogf

$$\frac{27 x^7 - 156 x^6 + 339 x^5 - 219 x^4 - 447 x^3 + 1050 x^2 - 836 x + 243}{(x - 1)^6}$$

Sequence: A255112
Score: 4.72140
Type of gen. func.: ogf

$$(144 x^8 - 594 x^7 + 618 x^6 + 591 x^5 - 1272 x^4 - 728 x^3 + 3096 x^2 - 2583 x + 729) \Big/ (x - 1)^6$$

Sequence: A255113
Score: 4.29188
Type of gen. func.: ogf

$$(435 x^9 - 1354 x^8 + 564 x^7 + 1230 x^6 + 1405 x^5 - 4614 x^4 - 1248 x^3 + 9361 x^2 - 7965 x + 2187) \Big/ (x - 1)^6$$

Sequence: A255114
Score: 3.70713
Type of gen. func.: ogf

$$(1008 x^{10} - 2466 x^9 - 168 x^8 + 3385 x^7 - 2967 x^6 + 11682 x^5 - 20126 x^4$$

$$- 1050 x^3 + 28659 x^2 - 24517 x + 6561) / (x - 1)^6$$

Sequence: A255115
Score: 15.6282
Type of gen. func.: ogf

$$-\frac{x^2 + 1}{2 x^3 + 2 x - 1}$$

Sequence: A255115
Score: 8.14660
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A255115
Score: 8.50866
Type of gen. func.: ogf

$$(12 f(x) - 5) (2 f(x) x^3 + 2 f(x) x + x^2 - f(x) + 1)$$

Sequence: A255115
Score: 9.57225
Type of gen. func.: lgdogf

$$-\frac{-2 x^4 - 4 x^2 - 2 x - 2}{-2 x^5 - 4 x^3 + x^2 - 2 x + 1}$$

Sequence: A255116
Score: 15.2012
Type of gen. func.: ogf

$$-\frac{x^2 + 1}{3 x^3 + 3 x - 1}$$

Sequence: A255116
Score: 7.84063
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 3 a(n), a(0) = 1, a(1) = 3, a(2) = 10\}$$

Sequence: A255116
Score: 8.18527
Type of gen. func.: ogf

$$(27 f(x) - 10) (3 f(x) x^3 + 3 f(x) x + x^2 - f(x) + 1)$$

Sequence: A255116
Score: 9.31075
Type of gen. func.: lgdogf

$$- \frac{-3 x^4 - 6 x^2 - 2 x - 3}{-3 x^5 - 6 x^3 + x^2 - 3 x + 1}$$

Sequence: A255117
Score: 14.9120
Type of gen. func.: ogf

$$- \frac{x^2 + 1}{4 x^3 + 4 x - 1}$$

Sequence: A255117
Score: 7.69143
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) - 4 a(n), a(0) = 1, a(1) = 4, a(2) = 17\}$$

Sequence: A255117
Score: 8.0295

Type of gen. func.: ogf

$$(48 f(x) - 17) (4 f(x) x^3 + 4 f(x) x + x^2 - f(x) + 1)$$

Sequence: A255117
Score: 9.13358
Type of gen. func.: lgdogf

$$-\frac{-4 x^4 - 8 x^2 - 2 x - 4}{-4 x^5 - 8 x^3 + x^2 - 4 x + 1}$$

Sequence: A255118
Score: 15.2417
Type of gen. func.: ogf

$$-\frac{x^2 + 1}{5 x^3 + 5 x - 1}$$

Sequence: A255118
Score: 7.86149
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) - 5 a(n), a(0) = 1, a(1) = 5, a(2) = 26\}$$

Sequence: A255118
Score: 8.20706
Type of gen. func.: ogf

$$(75 f(x) - 26) (5 f(x) x^3 + 5 f(x) x + x^2 - f(x) + 1)$$

Sequence: A255118
Score: 9.10783
Type of gen. func.: lgdogf

$$-\frac{-5 x^4 - 10 x^2 - 2 x - 5}{}$$

$$-5 x^5 - 10 x^3 + x^2 - 5 x + 1$$

Sequence: A255119
Score: 13.7520
Type of gen. func.: ogf

$$-\frac{x^2 + 1}{6 x^3 + 6 x - 1}$$

Sequence: A255119
Score: 7.09313
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) - 6 a(n), a(0) = 1, a(1) = 6, a(2) = 37\}$$

Sequence: A255119
Score: 7.32443
Type of gen. func.: ogf

$$(108 f(x) - 37) (6 f(x) x^3 + 6 f(x) x + x^2 - f(x) + 1)$$

Sequence: A255119
Score: 8.21765
Type of gen. func.: lgdogf

$$-\frac{-6 x^4 - 12 x^2 - 2 x - 6}{-6 x^5 - 12 x^3 + x^2 - 6 x + 1}$$

Sequence: A255138
Score: 5.08751
Type of gen. func.: ogf

$$-(674 f(x) + 837) (4 f(x) x^3 - 4 f(x) x^2 - f(x) x + 2 x^2 + f(x) + x - 2)$$

Sequence: A255138
Score: 5.40548
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 4 a(n + 1) - 4 a(n), a(0) = 2, a(1) = 1, a(2) = 7\}$$

Sequence: A255138
Score: 9.92482
Type of gen. func.: ogf

$$-\frac{2 x^2 + x - 2}{(x - 1) (2 x + 1) (2 x - 1)}$$

Sequence: A255152
Score: 6.04238
Type of gen. func.: ogf

$$-\frac{26 x^5 + 38 x^4 + 27 x^3 + 45 x^2 + 6 x + 28}{2 x^6 + 2 x^5 + x^4 + 3 x^3 - x^2 + 2 x - 1}$$

Sequence: A255153
Score: 3.44709
Type of gen. func.: ogf

$$-(27 x^{10} + 91 x^9 + 195 x^8 + 230 x^7 + 74 x^6 - 10 x^5 + 4 x^4 - 76 x^3 - 177 x^2 - 96 x - 62) \Big/ (x^{11} + 3 x^{10} + 6 x^9 + 6 x^8 - x^6 - 4 x^4 - 7 x^3 - 2 x^2 - x + 1)$$

Sequence: A255162
Score: 12.6366
Type of gen. func.: ogf

$$-\frac{2 (1 + 12 x)}{12 x^2 - 12 x - 1}$$

Sequence: A255162
Score: 7.30789
Type of gen. func.: ogf

$$\{-a(n + 2) - 12 a(n + 1) + 12 a(n), a(0) = 2, a(1) = 0\}$$

Sequence: A255162
Score: 8.91993
Type of gen. func.: lgdogf

$$-\frac{-144 x^2 - 24 x}{-144 x^3 + 132 x^2 + 24 x + 1}$$

Sequence: A255162
Score: 9.19022
Type of gen. func.: ogf

$$12 f(x) x^2 - 12 f(x) x - f(x) + 24 x + 2$$

Sequence: A255163
Score: 12.4525
Type of gen. func.: ogf

$$-\frac{1 + 14 x}{12 x^2 - 12 x - 1}$$

Sequence: A255163
Score: 6.79229
Type of gen. func.: ogf

$$(f(x) - 1) (12 f(x) x^2 - 12 f(x) x - f(x) + 14 x + 1)$$

Sequence: A255163
Score: 7.11573
Type of gen. func.: ogf

$$\{-a(n + 2) - 12 a(n + 1) + 12 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A255163
Score: 8.30168
Type of gen. func.: lgdogf

$$-\frac{-168 x^2 - 24 x - 2}{-168 x^3 + 156 x^2 + 26 x + 1}$$

Sequence: A255175
Score: 13.8687
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^2 + x}{-x^2 + 1}$$

Sequence: A255176
Score: 13.7680
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1), a(0) = 3, a(1) = 4\}$$

Sequence: A255176
Score: 22.0287
Type of gen. func.: ogf

$$-f(x) x + f(x) - x - 3$$

Sequence: A255176
Score: 26.7917
Type of gen. func.: ogf

$$-\frac{x + 3}{x - 1}$$

Sequence: A255176
Score: 27.5359
Type of gen. func.: lgdogf

$$-\frac{4}{x^2+2x-3}$$

Sequence: A255177
Score: 4.58786
Type of gen. func.: ogf

$$\frac{x^6+120x^5+1191x^4+2416x^3+1191x^2+120x+1}{(x-1)^6}$$

Sequence: A255178
Score: 4.69334
Type of gen. func.: ogf

$$-\frac{(x+1)(x^6+246x^5+4047x^4+11572x^3+4047x^2+246x+1)}{(x-1)^7}$$

Sequence: A255179
Score: 3.99381
Type of gen. func.: ogf

$$(x^8+502x^7+14608x^6+88234x^5+156190x^4+88234x^3+14608x^2+502x+1)\Big/(x-1)^8$$

Sequence: A255181
Score: 6.19148
Type of gen. func.: ogf

$$-\frac{x^6+120x^5+1191x^4+2416x^3+1191x^2+120x+1}{(x-1)^5}$$

Sequence: A255182
Score: 5.11031
Type of gen. func.: ogf

$$\frac{(x+1)\,(x^6+246\,x^5+4047\,x^4+11572\,x^3+4047\,x^2+246\,x+1)}{(x-1)^6}$$

Sequence: A255183
Score: 3.27768
Type of gen. func.: ogf

$$-(x^8+502\,x^7+14608\,x^6+88234\,x^5+156190\,x^4+88234\,x^3+14608\,x^2+502\,x+1)\;/\;(x-1)^7$$

Sequence: A255184
Score: 12.9335
Type of gen. func.: ogf

$$-\frac{x\,(22\,x+1)}{(x-1)^3}$$

Sequence: A255184
Score: 14.4258
Type of gen. func.: lgdogf

$$-\frac{-44\,x-25}{-22\,x^2+21\,x+1}$$

Sequence: A255184
Score: 6.09871
Type of gen. func.: ogf

$$-(444889\,f(x)-3364452)\,(f(x)\,x^3-3\,f(x)\,x^2+3\,f(x)\,x+22\,x^2-f(x)+x)$$

Sequence: A255184
Score: 6.69769
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 25\}$$

Sequence: A255185
Score: 12.9335
Type of gen. func.: ogf

$$-\frac{x (23 x + 1)}{(x - 1)^{3}}$$

Sequence: A255185
Score: 14.4258
Type of gen. func.: lgdogf

$$-\frac{-46 x - 26}{-23 x^{2} + 22 x + 1}$$

Sequence: A255185
Score: 6.09871
Type of gen. func.: ogf

$$-(150336 f(x) - 1186975) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 23 x^{2} - f(x) + x)$$

Sequence: A255185
Score: 6.69769
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 26\}$$

Sequence: A255186
Score: 12.9975
Type of gen. func.: ogf

$$-\frac{x\,(24\,x+1)}{(x-1)^3}$$

Sequence: A255186
Score: 14.4972
Type of gen. func.: lgdogf

$$-\frac{-48\,x-27}{-24\,x^2+23\,x+1}$$

Sequence: A255186
Score: 6.1289
Type of gen. func.: ogf

$$-(618125\,f(x)-5086263)\,(f(x)\,x^3-3\,f(x)\,x^2+3\,f(x)\,x+24\,x^2-f(x)+x)$$

Sequence: A255186
Score: 6.73085
Type of gen. func.: ogf

$$\{a(n+3)-3\,a(n+2)+3\,a(n+1)-a(n),\ a(0)=0,\ a(1)=1,\ a(2)=27\}$$

Sequence: A255187
Score: 13.0615
Type of gen. func.: ogf

$$-\frac{x\,(26\,x+1)}{(x-1)^3}$$

Sequence: A255187
Score: 14.5686
Type of gen. func.: lgdogf

$$-\frac{-52\,x-29}{-26\,x^2+25\,x+1}$$

Sequence: A255187
Score: 6.1591
Type of gen. func.: ogf

$$-(837621 f(x) - 7450394) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 26 x^2 - f(x) + x)$$

Sequence: A255187
Score: 6.76400
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 29\}$$

Sequence: A255211
Score: 12.4781
Type of gen. func.: ogf

$$\frac{x (4 x + 3)}{(x - 1)^4}$$

Sequence: A255211
Score: 16.2215
Type of gen. func.: lgdogf

$$-\frac{12 x + 16}{4 x^2 - x - 3}$$

Sequence: A255211
Score: 5.33601
Type of gen. func.: ogf

$$\{(6 + 3 n) a(n + 3) + (-15 + n) a(n + 2) + (-12 - 4 n) a(n + 1), a(0) = 0,$$

$$a(1) = 3, a(2) = 16\}$$

Sequence: A255211
Score: 5.96378
Type of gen. func.: ogf

$$(914438 f(x) + 2612483)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 4 x^2 + f(x) - 3 x)$$

Sequence: A255220
Score: 3.67149
Type of gen. func.: ogf

$$(13 + 19 f(x)) (f(x) x^4 - f(x) x^3 - 7 x^4 + f(x) x^2 + 17 x^3 - 2 f(x) x - 13 x^2 + f(x) + 18 x - 23)$$

Sequence: A255220
Score: 6.22917
Type of gen. func.: ogf

$$\frac{7 x^4 - 17 x^3 + 13 x^2 - 18 x + 23}{(x - 1) (x^3 + x - 1)}$$

Sequence: A255221
Score: 4.89221
Type of gen. func.: ogf

$$-(-12 + 19 f(x)) (f(x) x^4 - f(x) x^3 - 7 x^4 + f(x) x^2 + 20 x^3 - 2 f(x) x - 10 x^2 + f(x) + 24 x - 23)$$

Sequence: A255221
Score: 8.52015
Type of gen. func.: ogf

$$\frac{7 x^4 - 20 x^3 + 10 x^2 - 24 x + 23}{(x - 1) (x^3 + x - 1)}$$

Sequence: A255222
Score: 5.26592

Type of gen. func.: ogf

$$(103 f(x) + 241)$$

$$(f(x) x^4 - f(x) x^3 + f(x) x^2 + 19 x^3 - 2 f(x) x - 3 x^2 + f(x) + 16 x - 22)$$

Sequence: A255222
Score: 9.47866
Type of gen. func.: ogf

$$- \frac{19 x^3 - 3 x^2 + 16 x - 22}{(x - 1) (x^3 + x - 1)}$$

Sequence: A255223
Score: 5.328
Type of gen. func.: ogf

$$(91 f(x) + 139)$$

$$(f(x) x^4 - f(x) x^3 + f(x) x^2 + 28 x^3 - 2 f(x) x - 3 x^2 + f(x) + 25 x - 31)$$

Sequence: A255223
Score: 9.52380
Type of gen. func.: ogf

$$- \frac{28 x^3 - 3 x^2 + 25 x - 31}{(x - 1) (x^3 + x - 1)}$$

Sequence: A255224
Score: 5.291
Type of gen. func.: ogf

$$(241 f(x) + 307)$$

$$(f(x) x^4 - f(x) x^3 + f(x) x^2 + 40 x^3 - 2 f(x) x - 3 x^2 + f(x) + 37 x - 43)$$

Sequence: A255224

Score: 9.52380
Type of gen. func.: ogf

$$-\frac{40 x^3 - 3 x^2 + 37 x - 43}{(x - 1) (x^3 + x - 1)}$$

Sequence: A255225
Score: 5.31607
Type of gen. func.: ogf

$$(601 f(x) + 694)$$

$$(f(x) x^4 - f(x) x^3 + f(x) x^2 + 58 x^3 - 2 f(x) x - 3 x^2 + f(x) + 55 x - 61)$$

Sequence: A255225
Score: 9.56894
Type of gen. func.: ogf

$$-\frac{58 x^3 - 3 x^2 + 55 x - 61}{(x - 1) (x^3 + x - 1)}$$

Sequence: A255226
Score: 5.15158
Type of gen. func.: ogf

$$-(5779 f(x) + 6313)$$

$$(f(x) x^4 - f(x) x^3 + f(x) x^2 + 85 x^3 - 2 f(x) x - 3 x^2 + f(x) + 82 x - 88)$$

Sequence: A255226
Score: 9.65921
Type of gen. func.: ogf

$$-\frac{85 x^3 - 3 x^2 + 82 x - 88}{(x - 1) (x^3 + x - 1)}$$

Sequence: A255227
Score: 4.84829
Type of gen. func.: ogf

$$-(3307 f(x) + 3499) \left(f(x) x^4 - f(x) x^3 + f(x) x^2 + 124 x^3 - 2 f(x) x - 3 x^2 + f(x) + 121 x - 127 \right)$$

Sequence: A255227
Score: 8.93722
Type of gen. func.: ogf

$$-\frac{124 x^3 - 3 x^2 + 121 x - 127}{(x - 1) (x^3 + x - 1)}$$

Sequence: A255236
Score: 10.5649
Type of gen. func.: lgdogf

$$-\frac{x^2 + 10 x - 31}{x^3 - x^2 - 29 x + 5}$$

Sequence: A255236
Score: 15.7300
Type of gen. func.: ogf

$$\frac{x + 5}{x^2 - 6 x + 1}$$

Sequence: A255236
Score: 8.04374
Type of gen. func.: ogf

$$(176 f(x) + 81) (f(x) x^2 - 6 f(x) x + f(x) - x - 5)$$

Sequence: A255236
Score: 8.52829
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - a(n), a(0) = 5, a(1) = 31\}$$

Sequence: A255252
Score: 10.9489
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3 x^{3} - x^{2} - x - 1}{x^{4} - 1}$$

Sequence: A255257
Score: 10.7888
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3 x^{3} - x^{2} + 5 x - 1}{-x^{4} + 1}$$

Sequence: A255258
Score: 3.98736
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^{18} - 3 x^{16} - x^{15} - x^{2} + x - 2}{x^{19} + x^{18} + x^{17} + x^{16} + x^{3} + x^{2} + x + 1}$$

Sequence: A255260
Score: 11.6136
Type of gen. func.: ogf

$$\frac{117 x^{12} + 35 x^{10} + 5 x^{5} + 1}{(x - 1)^{2}}$$

Sequence: A255271
Score: 16.2167
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x + 4}{-x^2 + 2 x - 1}$$

Sequence: A255276
Score: 4.34675
Type of gen. func.: ogf

$$-\frac{128 x^7 - 128 x^6 + 36 x^5 + 49 x^4 - 56 x^3 + 20 x^2 - 1}{32 x^8 + 24 x^7 - 164 x^6 + 236 x^5 - 145 x^4 + 24 x^3 + 16 x^2 - 8 x + 1}$$

Sequence: A255278
Score: 4.84826
Type of gen. func.: ogf

$$-\frac{12 x^7 + 12 x^6 + 6 x^5 - 6 x^4 + 3 x^3 - 4 x - 1}{(x + 1) (12 x^7 - 8 x^6 + 2 x^5 + 2 x^4 + 9 x^3 - 2 x^2 - 4 x + 1)}$$

Sequence: A255280
Score: 5.74812
Type of gen. func.: ogf

$$-\frac{16 x^6 + 16 x^5 - 12 x^3 + 7 x^2 - 2 x - 1}{16 x^7 + 16 x^6 - 16 x^4 + 9 x^3 + 3 x^2 - 5 x + 1}$$

Sequence: A255282
Score: 4.08332
Type of gen. func.: ogf

$$-\frac{6 x^9 - 2 x^8 + 9 x^7 - 2 x^5 + 5 x^4 - 7 x^3 - 4 x^2 + 2 x + 1}{10 x^{10} + 22 x^9 - 11 x^8 + 31 x^7 - 24 x^6 + 3 x^5 + 18 x^4 - 21 x^3 + 5 x - 1}$$

Sequence: A255284
Score: 12.0448
Type of gen. func.: ogf

$$-\frac{(4 x + 1) (x - 1)}{(4 x - 1) (7 x^{2} - 1)}$$

Sequence: A255284
Score: 6.22316
Type of gen. func.: ogf

$$-(49 f(x) - 1252) (28 f(x) x^{3} - 7 f(x) x^{2} - 4 f(x) x + 4 x^{2} + f(x) - 3 x - 1)$$

Sequence: A255284
Score: 6.55070
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) - 7 a(n + 1) + 28 a(n), a(0) = 1, a(1) = 7, a(2) = 31\}$$

Sequence: A255284
Score: 6.97925
Type of gen. func.: lgdogf

$$-\frac{-112 x^{4} + 168 x^{3} + 47 x^{2} - 6 x - 7}{-112 x^{5} + 112 x^{4} + 23 x^{3} - 23 x^{2} - x + 1}$$

Sequence: A255296
Score: 12.2846
Type of gen. func.: ogf

$$-\frac{(2 x + 1) (x - 1)}{(2 x - 1) (2 x^{2} + 3 x - 1)}$$

Sequence: A255296
Score: 6.46002
Type of gen. func.: ogf

$$-(38 f(x) + 7) (4 f(x) x^3 + 4 f(x) x^2 - 5 f(x) x + 2 x^2 + f(x) - x - 1)$$

Sequence: A255296
Score: 6.63153
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 4 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 6, a(2) = 24\}$$

Sequence: A255296
Score: 7.64656
Type of gen. func.: lgdogf

$$- \frac{-8 x^4 + 8 x^3 + 6 x^2 + 12 x - 6}{-8 x^5 - 4 x^4 + 18 x^3 - 3 x^2 - 4 x + 1}$$

Sequence: A255299
Score: 9.39103
Type of gen. func.: ogf

$$- \frac{(x - 1) (2 x^6 - 2 x^5 + 4 x^4 + x^3 - x^2 + x - 1)}{4 x^8 - 10 x^7 + 20 x^6 - 12 x^5 + 3 x^4 + 4 x^3 - 10 x^2 + 6 x - 1}$$

Sequence: A255301
Score: 12.4083
Type of gen. func.: ogf

$$- \frac{(x - 1) (2 x^2 + x + 1)}{4 x^4 + 2 x^3 + x^2 - 4 x + 1}$$

Sequence: A255301
Score: 6.29031
Type of gen. func.: ogf

$$\{-a(n+4) + 4\,a(n+3) - a(n+2) - 2\,a(n+1) - 4\,a(n),\ a(0) = 1,\ a(1) = 4,$$
$$a(2) = 16,\ a(3) = 56\}$$

Sequence: A255301
Score: 6.6117
Type of gen. func.: ogf

$$-(3\,f(x) - 8)$$
$$(4\,f(x)\,x^4 + 2\,f(x)\,x^3 + f(x)\,x^2 + 2\,x^3 - 4\,f(x)\,x - x^2 + f(x) - 1)$$

Sequence: A255301
Score: 8.88043
Type of gen. func.: lgdogf

$$-\frac{8\,x^6 - 8\,x^5 - 4\,x^4 - 16\,x^2 + 4}{8\,x^7 - 13\,x^4 + 4\,x^3 - 2\,x^2 + 4\,x - 1}$$

Sequence: A255303
Score: 11.1218
Type of gen. func.: ogf

$$-\frac{2\,x^3 + 2\,x^2 - x + 1}{(2\,x^2 + 3\,x - 1)\,(2\,x^2 - 2\,x + 1)}$$

Sequence: A255303
Score: 6.03082
Type of gen. func.: ogf

$$-(97\,f(x) - 9)$$
$$(4\,f(x)\,x^4 + 2\,f(x)\,x^3 - 6\,f(x)\,x^2 + 2\,x^3 + 5\,f(x)\,x + 2\,x^2 - f(x) - x + 1)$$

Sequence: A255303
Score: 6.85100
Type of gen. func.: lgdogf

$$-\frac{-8x^6-16x^5-4x^4+8x^3-8x^2+8x-4}{-8x^7-12x^6+12x^5-16x^3+13x^2-6x+1}$$

Sequence: A255347
Score: 13.2558
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9+2x^7-x^5+x^4-2x^3+x^2+2$$

Sequence: A255347
Score: 7.11846
Type of gen. func.: ogf

$$\frac{x(x^2-x+1)(x^4-x^3+x^2-x+1)(x+1)^2}{(x-1)^2(x^4+1)^2}$$

Sequence: A255353
Score: 8.25019
Type of gen. func.: ogf

$$-\frac{x^8-8x^5-x^3+6x^2+3x+2}{(x-1)(x^2+x+1)(x^6-7x^3+1)}$$

Sequence: A255365
Score: 4.46174
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{37}+2x^{34}+x^{21}-x^{15}+x^5+2x^2}{-x^{38}+x^{32}-x^6+1}$$

Sequence: A255368
Score: 17.0063

Type of gen. func.: ogf_with_Euler_transform]

$$2 x^5 - x^3 - 2 x^2 + x - 2$$

Sequence: A255368
Score: 5.51285
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 1) + (-n - 1) a(n + 4), a(0) = 0, a(1) = 1, a(2) = -2, a(3) = 2\}$$

Sequence: A255368
Score: 9.09262
Type of gen. func.: ogf

$$\frac{x (x^2 + 1) (x - 1)^2}{(x + 1)^2 (x^2 - x + 1)^2}$$

Sequence: A255371
Score: 4.78133
Type of gen. func.: ogf

$$-(59189 f(x) + 1571) (90 f(x) x^4 - 99 f(x) x^3 + 109 f(x) x^2 - x^3 - 20 f(x) x + 2 x^2 + f(x) - x)$$

Sequence: A255371
Score: 6.30458
Type of gen. func.: lgdogf

$$- \frac{-180 x^4 + 459 x^3 - 297 x^2 + 198 x - 18}{-90 x^5 + 189 x^4 - 208 x^3 + 129 x^2 - 21 x + 1}$$

Sequence: A255371
Score: 9.13356
Type of gen. func.: ogf

$$\frac{x (x - 1)^{2}}{(10 x - 1) (9 x^{3} - 9 x^{2} + 10 x - 1)}$$

Sequence: A255372
Score: 7.47599
Type of gen. func.: ogf

$$\frac{x^{2} (x - 1)^{2}}{(10 x - 1) (9 x^{4} - 9 x^{3} + 10 x - 1)}$$

Sequence: A255373
Score: 7.62457
Type of gen. func.: ogf

$$\frac{x^{3} (x - 1)^{2}}{(10 x - 1) (9 x^{5} - 9 x^{4} + 10 x - 1)}$$

Sequence: A255374
Score: 7.76904
Type of gen. func.: ogf

$$\frac{x^{4} (x - 1)^{2}}{(10 x - 1) (9 x^{6} - 9 x^{5} + 10 x - 1)}$$

Sequence: A255375
Score: 7.90981
Type of gen. func.: ogf

$$\frac{x^{5} (x - 1)^{2}}{(10 x - 1) (9 x^{7} - 9 x^{6} + 10 x - 1)}$$

Sequence: A255376
Score: 8.04720
Type of gen. func.: ogf

$$\frac{x^{6}\,(x-1)^{2}}{(10\,x-1)\,(9\,x^{8}-9\,x^{7}+10\,x-1)}$$

Sequence: A255377
Score: 8.09155
Type of gen. func.: ogf

$$\frac{x^{7}\,(x-1)^{2}}{(10\,x-1)\,(9\,x^{9}-9\,x^{8}+10\,x-1)}$$

Sequence: A255378
Score: 8.04469
Type of gen. func.: ogf

$$\frac{x^{8}\,(x-1)^{2}}{(10\,x-1)\,(9\,x^{10}-9\,x^{9}+10\,x-1)}$$

Sequence: A255379
Score: 7.99728
Type of gen. func.: ogf

$$\frac{x^{9}\,(x-1)^{2}}{(10\,x-1)\,(9\,x^{11}-9\,x^{10}+10\,x-1)}$$

Sequence: A255380
Score: 7.21977
Type of gen. func.: ogf

$$\frac{x^{10}\,(x-1)^{2}}{(10\,x-1)\,(9\,x^{12}-9\,x^{11}+10\,x-1)}$$

Sequence: A255381
Score: 12.8923
Type of gen. func.: ogf

$$\frac{(x-1)^2}{(10x-1)^2}$$

Sequence: A255381
Score: 18.5121
Type of gen. func.: lgdogf

$$-\frac{18}{-10x^2+11x-1}$$

Sequence: A255381
Score: 6.68492
Type of gen. func.: ogf

$$\{-a(n+3)+20a(n+2)-100a(n+1), a(0)=1, a(1)=18, a(2)=261\}$$

Sequence: A255381
Score: 7.14823
Type of gen. func.: ogf

$$(539f(x)+1061)(100f(x)x^2-20f(x)x-x^2+f(x)+2x-1)$$

Sequence: A255386
Score: 7.08933
Type of gen. func.: ogf

$$-\frac{2x^4(x-1)^2}{(x^2-x+1)(x^2+x-1)^3}$$

Sequence: A255386
Score: 8.30900
Type of gen. func.: lgdogf

$$-\frac{6x^4 - 10x^3 + 4x^2 - 2}{x^5 - x^4 - x^3 + 3x^2 - 3x + 1}$$

Sequence: A255413
Score: 12.9980
Type of gen. func.: lgdogf

$$-\frac{11x^3 + 39x^2 + 51x + 19}{11x^4 + 14x^3 - 6x^2 - 14x - 5}$$

Sequence: A255413
Score: 17.9497
Type of gen. func.: ogf

$$\frac{11x^2 + 14x + 5}{(x + 1)(x - 1)^2}$$

Sequence: A255413
Score: 9.50276
Type of gen. func.: ogf

$$(2710 f(x) - 3897)(f(x) x^3 - f(x) x^2 - f(x) x - 11 x^2 + f(x) - 14 x - 5)$$

Sequence: A255413
Score: 9.91956
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 5, a(1) = 19, a(2) = 35\}$$

Sequence: A255414
Score: 9.95291
Type of gen. func.: ogf

$$\frac{19 x^8 + 28 x^7 + 26 x^6 + 24 x^5 + 28 x^4 + 26 x^3 + 28 x^2 + 24 x + 7}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A255433
Score: 5.85454
Type of gen. func.: ogf

$$\{(-n^3 - 6 n^2 - 12 n - 9) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A255442
Score: 14.7757
Type of gen. func.: ogf

$$- \frac{(3 x + 1) (x - 1)}{(3 x - 1) (3 x^2 - 1)}$$

Sequence: A255442
Score: 7.76998
Type of gen. func.: ogf

$$-(7 f(x) + 18) (9 f(x) x^3 - 3 f(x) x^2 - 3 f(x) x + 3 x^2 + f(x) - 2 x - 1)$$

Sequence: A255442
Score: 7.97627
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 3 a(n + 1) + 9 a(n), a(0) = 1, a(1) = 5, a(2) = 15\}$$

Sequence: A255442
Score: 9.10422
Type of gen. func.: lgdogf

$$- \frac{-27 x^4 + 36 x^3 + 12 x^2 - 5}{-27 x^5 + 27 x^4 + 12 x^3 - 12 x^2 - x + 1}$$

Sequence: A255444
Score: 6.08590
Type of gen. func.: ogf

$$\frac{(x-1)(2x^6+4x^5+7x^4+2x+1)}{4x^9-2x^8-14x^7-11x^6+26x^5-7x^4-8x^3+x^2+4x-1}$$

Sequence: A255447
Score: 10.5616
Type of gen. func.: ogf

$$-\frac{(x-1)(x+1)(x^2-x-1)}{(x^2+x-1)(11x^3-5x^2-3x+1)}$$

Sequence: A255449
Score: 7.66701
Type of gen. func.: ogf

$$-\frac{(x-1)(6x^4+2x^3+x^2-1)}{10x^6+10x^5-15x^4+8x^3-10x^2+6x-1}$$

Sequence: A255451
Score: 15.9533
Type of gen. func.: ogf

$$\frac{x+1}{8x^4+4x^3-x^2-4x+1}$$

Sequence: A255451
Score: 7.66259
Type of gen. func.: ogf

$$-(75 f(x) - 32) (8 f(x) x^4 + 4 f(x) x^3 - f(x) x^2 - 4 f(x) x + f(x) - x - 1)$$

Sequence: A255451
Score: 9.73150
Type of gen. func.: lgdogf

$$-\frac{24 x^4 + 40 x^3 + 11 x^2 - 2 x - 5}{8 x^5 + 12 x^4 + 3 x^3 - 5 x^2 - 3 x + 1}$$

Sequence: A255453
Score: 11.1355
Type of gen. func.: ogf

$$-\frac{4 x^3 - 2 x^2 + x - 1}{(x - 1) (4 x^3 - 6 x^2 + 5 x - 1)}$$

Sequence: A255453
Score: 6.06691
Type of gen. func.: ogf

$$-(59 f(x) + 26) \left(4 f(x) x^4 - 10 f(x) x^3 + 11 f(x) x^2 + 4 x^3 - 6 f(x) x - 2 x^2 + f(x) + x - 1 \right)$$

Sequence: A255455
Score: 6.82541
Type of gen. func.: ogf

$$-\frac{8 x^7 - 4 x^6 + 14 x^5 - 12 x^4 + 9 x^3 - 5 x^2 - x + 1}{8 x^8 - 20 x^7 + 46 x^6 - 56 x^5 + 51 x^4 - 20 x^3 - 6 x^2 + 6 x - 1}$$

Sequence: A255457
Score: 11.1842
Type of gen. func.: ogf

$$\frac{(x-1)\,(x^{3}-x^{2}+x+1)}{17\,x^{5}+15\,x^{4}-24\,x^{3}+5\,x-1}$$

Sequence: A255459
Score: 12.2797
Type of gen. func.: ogf

$$-\frac{6\,x^{2}-x+1}{(x-1)\,(3\,x-1)\,(2\,x-1)}$$

Sequence: A255459
Score: 6.67841
Type of gen. func.: ogf

$$(43\,f(x)-18)\,(6\,f(x)\,x^{3}-11\,f(x)\,x^{2}+6\,f(x)\,x+6\,x^{2}-f(x)-x+1)$$

Sequence: A255459
Score: 6.67841
Type of gen. func.: ogf

{a(n + 3) - 6 a(n + 2) + 11 a(n + 1) - 6 a(n), a(0) = 1, a(1) = 5, a(2) = 25}

Sequence: A255459
Score: 7.39164
Type of gen. func.: lgdogf

$$-\frac{36\,x^{4}-12\,x^{3}-7\,x^{2}-10\,x+5}{36\,x^{5}-72\,x^{4}+53\,x^{3}-23\,x^{2}+7\,x-1}$$

Sequence: A255461
Score: 9.45468
Type of gen. func.: ogf

$$-\frac{(x-1)\,(4\,x^{5}-2\,x^{4}-6\,x^{3}-3\,x^{2}+2\,x+1)}{{}^{5}\qquad{}^{4}\quad{}^{2}}$$

$$(2 x - 1) (x + 1) (4 x - 2 x - x + 4 x - 1)$$

Sequence: A255463
Score: 10.6023
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) - 12 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A255463
Score: 12.9410
Type of gen. func.: lgdogf

$$- \frac{-12 x^2 + 24 x - 6}{-12 x^3 + 19 x^2 - 8 x + 1}$$

Sequence: A255463
Score: 19.1302
Type of gen. func.: ogf

$$- \frac{x - 1}{(4 x - 1) (3 x - 1)}$$

Sequence: A255463
Score: 9.99987
Type of gen. func.: ogf

$$(13 f(x) + 23) (12 f(x) x^2 - 7 f(x) x + f(x) + x - 1)$$

Sequence: A255465
Score: 12.4118
Type of gen. func.: lgdogf

$$- \frac{-12 x^2 - 8 x - 6}{-12 x^3 - 13 x^2 + 1}$$

Sequence: A255465
Score: 17.3765
Type of gen. func.: ogf

$$-\frac{3x+1}{(x+1)(4x-1)}$$

Sequence: A255465
Score: 9.09236
Type of gen. func.: ogf

$$(13 f(x) + 5) (4 f(x) x^2 + 3 f(x) x - f(x) + 3 x + 1)$$

Sequence: A255465
Score: 9.53590
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A255467
Score: 15.2953
Type of gen. func.: ogf

$$-\frac{(2x+1)(x-1)}{(4x-1)(2x-1)(x+1)}$$

Sequence: A255467
Score: 8.25678
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 2 a(n + 1) + 8 a(n), a(0) = 1, a(1) = 6, a(2) = 26\}$$

Sequence: A255467
Score: 8.33051
Type of gen. func.: ogf

$$(73 f(x) - 9) (8 f(x) x^3 + 2 f(x) x^2 - 5 f(x) x + 2 x^2 + f(x) - x - 1)$$

Sequence: A255467
Score: 9.23778
Type of gen. func.: lgdogf

$$-\frac{-16 x^4 + 16 x^3 + 16 x^2 + 8 x - 6}{-16 x^5 + 4 x^4 + 20 x^3 - 5 x^2 - 4 x + 1}$$

Sequence: A255469
Score: 5.70626
Type of gen. func.: ogf

$$-\frac{8 x^8 + 16 x^7 - 20 x^6 + 34 x^5 - 2 x^4 - 15 x^3 + 9 x^2 - x - 1}{16 x^9 + 24 x^8 - 40 x^7 + 56 x^6 + 2 x^5 - 44 x^4 + 25 x^3 + x^2 - 5 x + 1}$$

Sequence: A255471
Score: 12.4299
Type of gen. func.: lgdogf

$$-\frac{-48 x^3 - 6 x^2 + 12 x + 6}{-24 x^4 + 10 x^3 + 15 x^2 - 1}$$

Sequence: A255471
Score: 18.9966
Type of gen. func.: ogf

$$\frac{3 x + 1}{(x - 1) (2 x + 1) (4 x - 1)}$$

Sequence: A255471
Score: 8.90991
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) - 6 a(n + 1) + 8 a(n), a(0) = 1, a(1) = 6, a(2) = 24\}$

Sequence: A255471
Score: 9.23689
Type of gen. func.: ogf

$$-(29 f(x) + 52) (8 f(x) x^3 - 6 f(x) x^2 - 3 f(x) x + f(x) - 3 x - 1)$$

Sequence: A255474
Score: 11.6708
Type of gen. func.: ogf

$$-\frac{16 x^3 + 8 x^2 - 1}{(4 x - 1) (4 x^2 + 2 x - 1)}$$

Sequence: A255474
Score: 5.79218
Type of gen. func.: ogf

$$\{-a(n + 4) + 6 a(n + 3) - 4 a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 6, a(2) = 24, a(3) = 88\}$$

Sequence: A255474
Score: 6.40937
Type of gen. func.: ogf

$$-(f(x) + 26) (16 f(x) x^3 + 4 f(x) x^2 + 16 x^3 - 6 f(x) x + 8 x^2 + f(x) - 1)$$

Sequence: A255474
Score: 6.79951
Type of gen. func.: lgdogf

$$-\frac{-64 x^4 - 192 x^3 + 48 x^2 + 24 x - 6}{-256 x^6 - 192 x^5 + 64 x^4 + 48 x^3 - 4 x^2 - 6 x + 1}$$

Sequence: A255476
Score: 4.52301
Type of gen. func.: ogf

$$\frac{(2x+1)(6x^8-7x^7+2x^6-7x^5-5x^4-x^3-2x^2+x+1)}{8x^{10}+8x^9+4x^8-15x^7-2x^6+7x^5+9x^4+9x^3-6x^2-3x+1}$$

Sequence: A255490
Score: 11.2503
Type of gen. func.: ogf

$$-\frac{4x^3+4x^2+5x+1}{(2x+1)(2x-1)(x^2+1)}$$

Sequence: A255490
Score: 6.8343
Type of gen. func.: ogf

$$(1890 f(x) - 1567)(4 f(x) x^4 + 3 f(x) x^2 + 4x^3 + 4x^2 - f(x) + 5x + 1)$$

Sequence: A255495
Score: 2.64859
Type of gen. func.: ogf

$$\frac{4x^2-x+1}{(5x-1)(x+1)(x^2-6x+1)(4x^2+4x-1)}$$

Sequence: A255499
Score: 10.0389
Type of gen. func.: ogf

$$\frac{x(x^3-3x^2-9x-1)}{(x-1)^5}$$

Sequence: A255499
Score: 11.1407
Type of gen. func.: lgdogf

$$-\frac{-2x^3+6x^2+42x+14}{-x^4+4x^3+6x^2-8x-1}$$

Sequence: A255499
Score: 5.01944
Type of gen. func.: ogf

$$\{(n^2+9n+14)\,a(n+1)+(10n^2+78n+152)\,a(n+2)+(-11n^2-39n-34)\,a(n+3),\ a(0)=0,\ a(1)=1,\ a(2)=14\}$$

Sequence: A255501
Score: 3.58509
Type of gen. func.: ogf

$$-x\,(x^8+54x^7+242x^6-5354x^5-24240x^4-24406x^3-6434x^2-342x-1)\Big/(x-1)^{10}$$

Sequence: A255528
Score: 12.5596
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^2-x-1}{-x^4+2x^2-1}$$

Sequence: A255563
Score: 12.2326
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9-x^5+x^4+2x^3+x^2+2x-2$$

Sequence: A255563

Score: 7.52830
Type of gen. func.: ogf

$$\frac{(x^4 - x^3 + x^2 - x + 1)(x^2 - x + 1) x}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A255588
Score: 5.66467
Type of gen. func.: ogf

$$- x (36 x^{29} - 18 x^{28} - 18 x^{27} + 12 x^{11} - 6 x^{10} - 6 x^9 + 4 x^5 - 2 x^4 - 2 x^3 + x^2 - x - 1) \Big/ ((x^2 + x + 1) (x - 1)^2)$$

Sequence: A255590
Score: 4.87045
Type of gen. func.: ogf

$$- x (80 x^{29} - 20 x^{28} - 20 x^{27} - 20 x^{26} - 20 x^{25} + 16 x^9 - 4 x^8 - 4 x^7 - 4 x^6 - 4 x^5 + 3 x^4 - x^3 - x^2 - x - 1) \Big/ ((x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A255599
Score: 4.5736
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^3$$

Sequence: A255610
Score: 23.9115
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{3}{-x^2 + 2 x - 1}$$

Sequence: A255611
Score: 22.7195
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4}{-x^{2}+2x-1}$$

Sequence: A255612
Score: 22.7713
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{5}{-x^{2}+2x-1}$$

Sequence: A255613
Score: 22.3131
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{6}{-x^{2}+2x-1}$$

Sequence: A255614
Score: 23.3991
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{7}{-x^{2}+2x-1}$$

Sequence: A255618
Score: 4.01496
Type of gen. func.: ogf

$$-\frac{81x^{8}-216x^{7}+657x^{6}-429x^{5}-386x^{4}+114x^{3}-42x^{2}-17x+237}{(x-1)(x^{8}-2x^{7}+7x^{6}-x^{5}-4x^{4}-x^{3}-2x^{2}-2x+1)}$$

Sequence: A255623
Score: 4.17542
Type of gen. func.: ogf

$$-\frac{3x^{8}-26x^{7}+99x^{6}-216x^{5}+300x^{4}-276x^{3}+162x^{2}-54x+9}{(x-1)^{9}}$$

Sequence: A255624
Score: 4.04724
Type of gen. func.: ogf

$$-\frac{(2x-3)(3x^{7}-24x^{6}+87x^{5}-171x^{4}+195x^{3}-130x^{2}+48x-9)}{(x-1)^{9}}$$

Sequence: A255625
Score: 3.84054
Type of gen. func.: ogf

$$-(12x^{8}-135x^{7}+672x^{6}-1790x^{5}+2766x^{4}-2577x^{3}+1458x^{2}-486x+81) \Big/ (x-1)^{9}$$

Sequence: A255626
Score: 3.36409
Type of gen. func.: ogf

$$(27x^{10}-210x^{9}+630x^{8}-680x^{7}-1134x^{6}+5193x^{5}-8522x^{4}+7854x^{3}-4374x^{2}+1458x-243) \Big/ (x-1)^{9}$$

Sequence: A255630
Score: 14.1564
Type of gen. func.: ogf

$$-\frac{x^{2}+1}{}$$

$$3 x^{3} + 2 x - 1$$

Sequence: A255630
Score: 7.37940
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 3 a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A255630
Score: 7.79397
Type of gen. func.: ogf

$$(9 f(x) + 4) (3 f(x) x^{3} + 2 f(x) x + x^{2} - f(x) + 1)$$

Sequence: A255630
Score: 8.67080
Type of gen. func.: lgdogf

$$- \frac{-3 x^{4} - 7 x^{2} - 2 x - 2}{-3 x^{5} - 5 x^{3} + x^{2} - 2 x + 1}$$

Sequence: A255631
Score: 15.3358
Type of gen. func.: ogf

$$- \frac{x^{2} + 1}{4 x^{3} + 3 x - 1}$$

Sequence: A255631
Score: 7.91002
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 4 a(n), a(0) = 1, a(1) = 3, a(2) = 10\}$$

Sequence: A255631
Score: 7.99416
Type of gen. func.: ogf

$$-(12 f(x) + 1) (4 f(x) x^3 + 3 f(x) x + x^2 - f(x) + 1)$$

Sequence: A255631
Score: 9.39315
Type of gen. func.: lgdogf

$$-\frac{-4 x^4 - 9 x^2 - 2 x - 3}{-4 x^5 - 7 x^3 + x^2 - 3 x + 1}$$

Sequence: A255632
Score: 12.6060
Type of gen. func.: ogf

$$-\frac{x^2 + 1}{5 x^3 + 4 x - 1}$$

Sequence: A255632
Score: 6.50202
Type of gen. func.: ogf

$$-(125 f(x) + 4) (5 f(x) x^3 + 4 f(x) x + x^2 - f(x) + 1)$$

Sequence: A255632
Score: 6.50202
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) - 5 a(n), a(0) = 1, a(1) = 4, a(2) = 17\}$$

Sequence: A255632
Score: 7.62583
Type of gen. func.: lgdogf

4   2

$$-\frac{-5 x - 11 x - 2 x - 4}{-5 x^5 - 9 x^3 + x^2 - 4 x + 1}$$

Sequence: A255633
Score: 10.3933
Type of gen. func.: ogf

$$-\frac{x^2 + 1}{6 x^3 + 5 x - 1}$$

Sequence: A255633
Score: 5.36078
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) - 6 a(n), a(0) = 1, a(1) = 5, a(2) = 26\}$$

Sequence: A255633
Score: 6.21066
Type of gen. func.: lgdogf

$$-\frac{-6 x^4 - 13 x^2 - 2 x - 5}{-6 x^5 - 11 x^3 + x^2 - 5 x + 1}$$

Sequence: A255633
Score: 8.04656
Type of gen. func.: ogf

$$-(63 f(x) + 1) (6 f(x) x^3 + 5 f(x) x + x^2 - f(x) + 1)$$

Sequence: A255663
Score: 4.05269
Type of gen. func.: ogf

$$(x^{12} - 40 x^{11} + 450 x^{10} - 2628 x^9 + 9657 x^8 - 23972 x^7 + 41232 x^6 - 49400 x^5$$

$$\quad ^4 \qquad ^3 \qquad ^2 \qquad\qquad / \qquad ^{12}$$

$$+ 40957 x - 23120 x + 8656 x - 2048 x + 256) \;/\; (x - 1)$$

Sequence: A255676
Score: 8.19389
Type of gen. func.: revegf]

$$-1/4 \ln(x^2 + 1) + 1/2 \arctan(x) + 1/2 \ln(x + 1)$$

Sequence: A255687
Score: 12.5931
Type of gen. func.: ogf

$$\frac{x (x + 6)}{(x - 1)^4}$$

Sequence: A255687
Score: 16.7051
Type of gen. func.: lgdogf

$$- \frac{3 x + 25}{x^2 + 5 x - 6}$$

Sequence: A255687
Score: 5.38520
Type of gen. func.: ogf

$\{(12 + 6 n) a(n + 3) + (-30 - 5 n) a(n + 2) + (-3 - n) a(n + 1), a(0) = 0,$

$a(1) = 6, a(2) = 25\}$

Sequence: A255687
Score: 5.93152
Type of gen. func.: ogf

$(2851702 f(x) + 10803649)$

$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - x^2 + f(x) - 6 x)$

Sequence: A255688
Score: 5.58628
Type of gen. func.: ogf

$$-4 f(x)^2 x^2 + 8 f(x)^2 x + 4 f(x) x^2 - f(x)^2 - 8 f(x) x + f(x) + 3 x$$

Sequence: A255802
Score: 17.4351
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3 x + 5}{-x^2 + 2 x - 1}$$

Sequence: A255803
Score: 16.8832
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x + 5}{-x^2 + 2 x - 1}$$

Sequence: A255806
Score: 18.7233
Type of gen. func.: lgdegf]

$$-\frac{3}{-x^2 + 2 x - 1}$$

Sequence: A255806
Score: 5.71219
Type of gen. func.: ogf

$$\{(n^2 + n) a(n) + (-2 n - 5) a(n + 1) + a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A255807
Score: 10.0690

Type of gen. func.: lgdegf]

$$-\frac{x^2 + 4 x + 1}{-x^4 + 4 x^3 - 6 x^2 + 4 x - 1}$$

Sequence: A255808
Score: 28.3162
Type of gen. func.: ogf_with_Euler_transform]

$$-x^8 + x^7 + 2$$

Sequence: A255808
Score: 7.56072
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^6 + x^3 + 1)}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A255813
Score: 10.5009
Type of gen. func.: ogf

$$-\frac{x^2 - x + 1}{3 x^3 - 3 x^2 + 4 x - 1}$$

Sequence: A255813
Score: 5.52204
Type of gen. func.: ogf

$$-(27 f(x) + 1) (3 f(x) x^3 - 3 f(x) x^2 + 4 f(x) x + x^2 - f(x) - x + 1)$$

Sequence: A255813
Score: 5.66865
Type of gen. func.: ogf

{-a(n + 3) + 4 a(n + 2) - 3 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 3, a(2) = 10}

Sequence: A255813
Score: 6.60368
Type of gen. func.: lgdogf

$$-\frac{-3x^4+6x^3-8x^2+4x-3}{-3x^5+6x^4-10x^3+8x^2-5x+1}$$

Sequence: A255814
Score: 11.0971
Type of gen. func.: ogf

$$-\frac{x^2-x+1}{4x^3-4x^2+5x-1}$$

Sequence: A255814
Score: 5.83556
Type of gen. func.: ogf

$$-(68 f(x) + 1) (4 f(x) x^3 - 4 f(x) x^2 + 5 f(x) x + x^2 - f(x) - x + 1)$$

Sequence: A255814
Score: 5.99049
Type of gen. func.: ogf

{-a(n + 3) + 5 a(n + 2) - 4 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 4, a(2) = 17}

Sequence: A255814
Score: 6.83763
Type of gen. func.: lgdogf

$$-\frac{-4x^4+8x^3-11x^2+6x-4}{-4x^5+8x^4-13x^3+10x^2-6x+1}$$

Sequence: A255815
Score: 10.2866
Type of gen. func.: ogf

$$-\frac{x^2 - x + 1}{5 x^3 - 5 x^2 + 6 x - 1}$$

Sequence: A255815
Score: 5.36309
Type of gen. func.: ogf

$$-(135 f(x) + 1) (5 f(x) x^3 - 5 f(x) x^2 + 6 f(x) x + x^2 - f(x) - x + 1)$$

Sequence: A255815
Score: 5.55293
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 5 a(n + 1) + 5 a(n), a(0) = 1, a(1) = 5, a(2) = 26\}$$

Sequence: A255815
Score: 6.21268
Type of gen. func.: lgdogf

$$-\frac{-5 x^4 + 10 x^3 - 14 x^2 + 8 x - 5}{-5 x^5 + 10 x^4 - 16 x^3 + 12 x^2 - 7 x + 1}$$

Sequence: A255819
Score: 7.71315
Type of gen. func.: lgdegf]

$$-\frac{-x^3 - 11 x^2 - 11 x - 1}{-x^5 + 5 x^4 - 10 x^3 + 10 x^2 - 5 x + 1}$$

Sequence: A255821
Score: 4.88612
Type of gen. func.: ogf

$$-(47844 f(x) + 1) (36 f(x) x^3 - 36 f(x) x^2 + 37 f(x) x + x^2 - f(x) - x + 1)$$

Sequence: A255821
Score: 5.00930
Type of gen. func.: ogf

{-a(n + 3) + 37 a(n + 2) - 36 a(n + 1) + 36 a(n), a(0) = 1, a(1) = 36,

a(2) = 1297}

Sequence: A255821
Score: 9.31417
Type of gen. func.: ogf

$$-\frac{x^2 - x + 1}{36 x^3 - 36 x^2 + 37 x - 1}$$

Sequence: A255834
Score: 13.4981
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^2 + 2 x + 3}{-x^4 + 2 x^2 - 1}$$

Sequence: A255835
Score: 13.9095
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3 x^2 + 2 x + 1}{-x^4 + 2 x^2 - 1}$$

Sequence: A255836
Score: 13.4258
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^2 + 3 x + 4}{-x^4 + 2 x^2 - 1}$$

Sequence: A255837
Score: 13.1148
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^2 + 3 x + 5}{-x^4 + 2 x^2 - 1}$$

Sequence: A255840
Score: 12.7532
Type of gen. func.: ogf

$$-\frac{x (5 x^2 + 2 x + 1)}{(x + 1) (x - 1)^3}$$

Sequence: A255840
Score: 7.08511
Type of gen. func.: ogf

$$(112 f(x) - 1) (f(x) x^4 - 2 f(x) x^3 + 5 x^3 + 2 f(x) x + 2 x^2 - f(x) + x)$$

Sequence: A255840
Score: 9.98745
Type of gen. func.: lgdogf

$$-\frac{10 x^3 + 16 x^2 + 18 x + 4}{5 x^4 + 2 x^3 - 4 x^2 - 2 x - 1}$$

Sequence: A255842
Score: 12.4934
Type of gen. func.: lgdogf

$$-\frac{-7 x^2 + 8 x - 7}{-7 x^3 + 18 x^2 - 17 x + 6}$$

Sequence: A255842
Score: 12.8838
Type of gen. func.: ogf

$$-\frac{2 (7 x^2 - 11 x + 6)}{(x - 1)^3}$$

Sequence: A255842
Score: 6.87138
Type of gen. func.: ogf

$$-(2 f(x) + 471) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 14 x^2 - f(x) - 22 x + 12)$$

Sequence: A255842
Score: 7.17014
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 12, a(1) = 14, a(2) = 20}

Sequence: A255843
Score: 13.3905
Type of gen. func.: ogf

$$-\frac{2 (3 x^2 - 3 x + 2)}{(x - 1)^3}$$

Sequence: A255843
Score: 13.6137

Type of gen. func.: lgdogf

$$-\frac{-3 x^{2} - 3}{-3 x^{3} + 6 x^{2} - 5 x + 2}$$

Sequence: A255843
Score: 6.92223
Type of gen. func.: ogf

$$-(62 f(x) - 113) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 6 x^{2} - f(x) - 6 x + 4)$$

Sequence: A255843
Score: 7.22852
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 4, a(1) = 6, a(2) = 12\}$$

Sequence: A255844
Score: 13.1349
Type of gen. func.: lgdogf

$$-\frac{-4 x^{2} + 2 x - 4}{-4 x^{3} + 9 x^{2} - 8 x + 3}$$

Sequence: A255844
Score: 13.5586
Type of gen. func.: ogf

$$-\frac{2 (4 x^{2} - 5 x + 3)}{(x - 1)^{3}}$$

Sequence: A255844
Score: 7.12401
Type of gen. func.: ogf

$$-(22 f(x) - 87) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 8 x^2 - f(x) - 10 x + 6)$$

Sequence: A255844
Score: 7.43923
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 6, a(1) = 8, a(2) = 14\}$$

Sequence: A255845
Score: 12.4934
Type of gen. func.: lgdogf

$$-\frac{-6 x^2 + 6 x - 6}{-6 x^3 + 15 x^2 - 14 x + 5}$$

Sequence: A255845
Score: 12.8838
Type of gen. func.: ogf

$$-\frac{2 (6 x^2 - 9 x + 5)}{(x - 1)^3}$$

Sequence: A255845
Score: 7.10833
Type of gen. func.: ogf

$$(2 f(x) - 101) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 12 x^2 - f(x) - 18 x + 10)$$

Sequence: A255845
Score: 7.17014
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 10, a(1) = 12, a(2) = 18\}$$

Sequence: A255846
Score: 12.3070
Type of gen. func.: lgdogf

$$-\frac{-8 x^2 + 10 x - 8}{-8 x^3 + 21 x^2 - 20 x + 7}$$

Sequence: A255846
Score: 12.8838
Type of gen. func.: ogf

$$-\frac{2 (8 x^2 - 13 x + 7)}{(x - 1)^3}$$

Sequence: A255846
Score: 6.81459
Type of gen. func.: ogf

$$-(10 f(x) + 679) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 16 x^2 - f(x) - 26 x + 14)$$

Sequence: A255846
Score: 7.17014
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 14, a(1) = 16, a(2) = 22\}$$

Sequence: A255847
Score: 12.6629
Type of gen. func.: lgdogf

$$-\frac{-9 x^2 + 12 x - 9}{-9 x^3 + 24 x^2 - 23 x + 8}$$

Sequence: A255847
Score: 13.2565
Type of gen. func.: ogf

$$-\frac{2\,(9\,x^2-15\,x+8)}{(x-1)^3}$$

Sequence: A255847
Score: 7.07014
Type of gen. func.: ogf

$$-(2\,f(x)+103)\,(f(x)\,x^3-3\,f(x)\,x^2+3\,f(x)\,x+18\,x^2-f(x)-30\,x+16)$$

Sequence: A255847
Score: 7.37754
Type of gen. func.: ogf

$$\{a(n+3)-3\,a(n+2)+3\,a(n+1)-a(n),\ a(0)=16,\ a(1)=18,\ a(2)=24\}$$

Sequence: A255848
Score: 11.7795
Type of gen. func.: lgdogf

$$-\frac{-10\,x^2+14\,x-10}{-10\,x^3+27\,x^2-26\,x+9}$$

Sequence: A255848
Score: 12.8838
Type of gen. func.: ogf

$$-\frac{2\,(10\,x^2-17\,x+9)}{(x-1)^3}$$

Sequence: A255848
Score: 6.75874
Type of gen. func.: ogf

3 2 2

```
 -(26 f(x) + 1215) (f(x) x  - 3 f(x) x  + 3 f(x) x + 20 x  - f(x) - 34 x + 18)
```

Sequence: A255848
Score: 7.17014
Type of gen. func.: ogf

```
  {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 18, a(1) = 20, a(2) = 26}
```

Sequence: A255870
Score: 6.81364
Type of gen. func.: ogf

```
                        6    5       4      3      2
                     5 x  + x  - 10 x  - 8 x  - 9 x  - 3 x - 1
                   - -----------------------------------------
                                     2                  3
                           (x + 1) (x  + x - 1) (x - 1)
```

Sequence: A255875
Score: 6.55189
Type of gen. func.: ogf

```
                       4          3            2    3              2
  (f(x) + 12) (f(x) x  - f(x) x  - 2 f(x) x  - x  + 3 f(x) x - x  - f(x) + 1)
```

Sequence: A255875
Score: 6.89559
Type of gen. func.: ogf

```
                                     3    2
                                    x  + x  - 1
                                 ---------------------
                                   2                 2
                                 (x  + x - 1) (x - 1)
```

Sequence: A255876
Score: 12.0063
Type of gen. func.: ogf

```
                                   3      2
                                3 x  - 6 x  - x - 4
                                -------------------
                                                 3
                                  (x + 1) (x - 1)
```

Sequence: A255876
Score: 6.52313
Type of gen. func.: ogf

$$(9256 f(x) - 115871)$$

$$(f(x) x^{4} - 2 f(x) x^{3} - 3 x^{3} + 2 f(x) x + 6 x^{2} - f(x) + x + 4)$$

Sequence: A255876
Score: 8.54059
Type of gen. func.: lgdogf

$$-\frac{-3 x^{4} + 6 x^{3} + 6 x^{2} + 30 x + 9}{-3 x^{5} + 6 x^{4} + 4 x^{3} - 2 x^{2} - x - 4}$$

Sequence: A255877
Score: 3.91785
Type of gen. func.: ogf

$$\{(703 n^{2} + 3251 n + 3690) a(n + 1) + (118 n^{2} + 5108 n + 12606) a(n + 2)$$

$$+ (-821 n^{2} - 3787 n - 3972) a(n + 3), a(0) = -1, a(1) = 9, a(2) = 67\}$$

Sequence: A255877
Score: 5.25885
Type of gen. func.: ogf

$$(10296 f(x) + 116707) (f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 11 x^{3} - 4 f(x) x$$

$$- 25 x^{2} + f(x) - 13 x + 1)$$

Sequence: A255877
Score: 9.00655
Type of gen. func.: lgdogf

$$-\frac{11 x^{3} + 83 x^{2} + 89 x + 9}{{}^{4} \qquad {}^{3} \qquad {}^{2}}$$

$$11 x + 14 x - 12 x - 14 x + 1$$

Sequence: A255877
Score: 9.79462
Type of gen. func.: ogf

$$\frac{(x + 1) (11 x^{2} + 14 x - 1)}{(x - 1)^{4}}$$

Sequence: A255910
Score: 10.8265
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1), a(0) = 1, a(1) = 7\}$$

Sequence: A255910
Score: 17.3225
Type of gen. func.: ogf

$$-f(x) x + f(x) - 6 x - 1$$

Sequence: A255910
Score: 21.0679
Type of gen. func.: ogf

$$- \frac{1 + 6 x}{x - 1}$$

Sequence: A255910
Score: 21.6531
Type of gen. func.: lgdogf

$$\frac{7}{-6 x^{2} + 5 x + 1}$$

Sequence: A255927

Score: 13.1192
Type of gen. func.: revegf]

$$\frac{1}{3}\ln(4x+1)-\frac{1}{3}\ln(x+1)$$

Sequence: A255965
Score: 8.49635
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{1}{-x^{8}+8x^{7}-28x^{6}+56x^{5}-70x^{4}+56x^{3}-28x^{2}+8x-1}$$

Sequence: A255978
Score: 11.7944
Type of gen. func.: ogf

$$-\frac{x\,(x^{3}-2x^{2}-1)}{(x-1)\,(x^{2}+x+1)\,(x^{2}+x-1)}$$

Sequence: A255983
Score: 5.06695
Type of gen. func.: ogf

$$-\frac{13835x^{5}-8665x^{4}+2585x^{3}-415x^{2}+35x-1}{18750x^{6}-22500x^{5}+11250x^{4}-3000x^{3}+450x^{2}-36x+1}$$

Sequence: A255985
Score: 14.2464
Type of gen. func.: ogf

$$(f(x)\,x-f(x)+1)^{3}$$

Sequence: A255985
Score: 3.77109
Type of gen. func.: ogf

$$- (235446 x^6 - 145578 x^5 + 44934 x^4 - 7986 x^3 + 834 x^2 - 48 x + 1) / (326592 x^7 - 381024 x^6 + 190512 x^5 - 52920 x^4 + 8820 x^3 - 882 x^2 + 49 x - 1)$$

Sequence: A255988
Score: 8.02551
Type of gen. func.: ogf

$$- \frac{30 x^4 - 29 x^3 - 16 x^2 + 7 x - 26}{2 x^5 - 3 x^4 + x^2 - 2 x + 1}$$

Sequence: A255989
Score: 7.11079
Type of gen. func.: ogf

$$- \frac{78 x^5 - 59 x^4 - 36 x^3 - 20 x^2 + 16 x - 42}{(x^3 - x - 1) (3 x^3 - 4 x^2 + 3 x - 1)}$$

Sequence: A255990
Score: 6.64792
Type of gen. func.: ogf

$$- \frac{168 x^6 - 106 x^5 - 70 x^4 - 43 x^3 - 24 x^2 + 30 x - 64}{4 x^7 - 5 x^6 + x^2 - 2 x + 1}$$

Sequence: A255991
Score: 6.35199
Type of gen. func.: ogf

$$- \frac{320 x^7 - 174 x^6 - 122 x^5 - 81 x^4 - 50 x^3 - 28 x^2 + 50 x - 93}{5 x^8 - 6 x^7 + x^2 - 2 x + 1}$$

Sequence: A255993
Score: 4.57623
Type of gen. func.: ogf

$$\{(6 + 3 n) a(n + 1) + (-n^2 - 17 n - 42) a(n + 2) + (n^2 + 11 n + 24) a(n + 3),$$
$$a(0) = 8, a(1) = 16, a(2) = 28\}$$

Sequence: A255993
Score: 5.50428
Type of gen. func.: ogf

$$(172 f(x) + 341) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 3 x^3 - 4 f(x) x - 12 x^2 + f(x) + 16 x - 8)$$

Sequence: A255993
Score: 9.15247
Type of gen. func.: lgdogf

$$- \frac{-3 x^3 + 15 x^2 - 24 x + 16}{-3 x^4 + 15 x^3 - 28 x^2 + 24 x - 8}$$

Sequence: A255993
Score: 9.96344
Type of gen. func.: ogf

$$- \frac{(x - 2) (3 x^2 - 6 x + 4)}{(x - 1)^4}$$

Sequence: A255994
Score: 10.1227
Type of gen. func.: ogf

$$- \frac{4 x^3 - 21 x^2 + 32 x - 16}{(x - 1)^4}$$

Sequence: A255994
Score: 5.62373
Type of gen. func.: ogf

$$(43 f(x) + 1382) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 4 x^3 - 4 f(x) x - 21 x^2 + f(x) + 32 x - 16)$$

Sequence: A255994
Score: 9.30824
Type of gen. func.: lgdogf

$$- \frac{-4 x^3 + 30 x^2 - 54 x + 32}{-4 x^4 + 25 x^3 - 53 x^2 + 48 x - 16}$$

Sequence: A255995
Score: 9.10382
Type of gen. func.: ogf

$$\frac{x^5 - 4 x^4 + 36 x^2 - 64 x + 32}{(x - 1)^4}$$

Sequence: A255996
Score: 7.47534
Type of gen. func.: ogf

$$\frac{4 x^6 - 8 x^5 - 7 x^4 + 16 x^3 + 60 x^2 - 128 x + 64}{(x - 1)^4}$$

Sequence: A255997
Score: 6.78687
Type of gen. func.: ogf

$$\frac{9 x^7 - 8 x^6 - 21 x^5 - 8 x^4 + 59 x^3 + 98 x^2 - 256 x + 128}{}$$

$$(x-1)^4$$

Sequence: A255998
Score: 6.24686
Type of gen. func.: ogf

$$\frac{16 x^8 - 4 x^7 - 31 x^6 - 26 x^5 - 29 x^4 + 176 x^3 + 155 x^2 - 512 x + 256}{(x-1)^4}$$

Sequence: A256004
Score: 8.33458
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^5 + 3 x^4 + x^2 - 3}{-x^6 - x^3 - 1}$$

Sequence: A256007
Score: 6.84775
Type of gen. func.: ogf

$$-\frac{x (x^{11} + x^{10} + x^9 + 2 x^8 + x^7 - x^4 - 2 x^3 - 3 x^2 - 2 x - 1)}{(x-1) (x^2 + x + 1) (x^6 + x^3 - 1)}$$

Sequence: A256008
Score: 12.6929
Type of gen. func.: ogf

$$\frac{2 x^3 - x^2 - 2 x + 3}{(x^2 + 1) (x-1)^2}$$

Sequence: A256008
Score: 4.98652
Type of gen. func.: ogf

$$\{(n + 4) a(n + 1) + (-3 - n) a(n + 2) + (n + 4) a(n + 3) + (-3 - n) a(n + 4),$$

$$a(0) = 3, a(1) = 4, a(2) = 1, a(3) = 2\}$$

Sequence: A256008
Score: 6.74039
Type of gen. func.: ogf

$$-(112 f(x) + 191)$$

$$(f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - 2 x^3 - 2 f(x) x + x^2 + f(x) + 2 x - 3)$$

Sequence: A256008
Score: 9.22035
Type of gen. func.: lgdogf

$$-\frac{-2 x^5 + 8 x^3 - 20 x^2 + 10 x - 4}{-2 x^6 + 3 x^5 - x^4 - 2 x^3 + 4 x^2 - 5 x + 3}$$

Sequence: A256019
Score: 3.38124
Type of gen. func.: ogf

$$\{(n^4 + 3 n^3 + 3 n^2 + 2 n) a(n) + (-n^4 - 8 n^3 - 24 n^2 - 34 n - 18) a(n + 1)$$

$$+ (n + 2) a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A256022
Score: 4.60091
Type of gen. func.: ogf

$$-\frac{2 x^9 + 36 x^8 + 12 x^7 - 66 x^6 - 56 x^5 - 24 x^4 - 20 x^3 + 51 x^2 + 2 x + 33}{(x - 1) (2 x^8 + 2 x^7 - 2 x^6 - 4 x^5 - 4 x^4 - 4 x^3 - x + 1)}$$

Sequence: A256031
Score: 6.46270
Type of gen. func.: lgdegf]

$$-\frac{x^4 - 4x^3 - 6x^2 - 12x - 3}{x^5 - 2x^4 - 4x^3 + 3x + 2}$$

Sequence: A256031
Score: 6.84651
Type of gen. func.: egf]

$$-(48 f(x) - 11) (f(x) x^4 - 2 f(x) x^2 + x^3 - 2 x^2 + f(x) - 3 x - 2)$$

Sequence: A256031
Score: 8.84892
Type of gen. func.: egf]

$$-\frac{x^3 - 2x^2 - 3x - 2}{(x + 1)^2 (x - 1)^2}$$

Sequence: A256044
Score: 4.78406
Type of gen. func.: ogf

$$-\frac{x^6 - 27x^5 + 177x^4 - 328x^3 + 177x^2 - 27x + 1}{(x - 1) (x^3 - 26x^2 + 13x - 1) (x^3 - 13x^2 + 26x - 1)}$$

Sequence: A256079
Score: 13.1871
Type of gen. func.: ogf

$$-\frac{10x^{11} - 10x^{10} - 1}{(x - 1)^2}$$

Sequence: A256087
Score: 5.60949
Type of gen. func.: ogf

$$- 4 (5 x^{11} + 86 x^{10} - 12 x^9 - 5 x^8 - 9 x^7 - 14 x^6 - 4 x^5 - 10 x^4 - 4 x^3 - 14 x^2 - 14 x - 91) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A256096
Score: 10.2079
Type of gen. func.: ogf

$$\{-a(n + 2) - 3 a(n + 1), a(0) = 4, a(1) = -9\}$$

Sequence: A256096
Score: 16.3327
Type of gen. func.: ogf

$$3 f(x) x + f(x) - 3 x - 4$$

Sequence: A256096
Score: 19.8641
Type of gen. func.: ogf

$$\frac{4 + 3 x}{3 x + 1}$$

Sequence: A256096
Score: 19.8641
Type of gen. func.: lgdogf

$$- \frac{9}{9 x^2 + 15 x + 4}$$

Sequence: A256101
Score: 13.8094
Type of gen. func.: lgdogf

$$17 x + 103$$

```
                 - -------------------
                        2
                   17 x  + 26 x - 43
```

Sequence: A256101
Score: 15.2185
Type of gen. func.: ogf

$$\frac{7\,(17\,x + 43)}{(x - 1)^2}$$

Sequence: A256101
Score: 7.84953
Type of gen. func.: ogf

$$(120\,f(x) + 38143)\,(f(x)\,x^2 - 2\,f(x)\,x + f(x) - 119\,x - 301)$$

Sequence: A256101
Score: 8.67100
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\,a(n + 1) - a(n),\ a(0) = 301,\ a(1) = 721\}$$

Sequence: A256137
Score: 9.62212
Type of gen. func.: ogf

$$\frac{2\,x^5 - 5\,x^4 + 2\,x^3 + 2\,x^2 - 2\,x - 1}{(x + 1)\,(x - 1)^3}$$

Sequence: A256142
Score: 14.0902
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3\,x - 3}{9\,x^3 - 3\,x^2 - 3\,x + 1}$$

Sequence: A256162
Score: 5.61611
Type of gen. func.: ogf

$$-(16191 f(x) - 45161)$$

$$(10 f(x) x^4 - 10 x^4 - 11 f(x) x^2 - 10 x^3 + 2 x^2 + f(x) - 8 x - 1)$$

Sequence: A256162
Score: 9.11706
Type of gen. func.: ogf

$$\frac{10 x^4 + 10 x^3 - 2 x^2 + 8 x + 1}{(x - 1) (x + 1) (10 x^2 - 1)}$$

Sequence: A256169
Score: 8.87485
Type of gen. func.: ogf

$$f(x)^2 x^4 + 2 f(x)^2 x^3 + f(x)^2 x^2 - f(x) + 1$$

Sequence: A256178
Score: 10.9514
Type of gen. func.: ogf

$$\frac{1}{(x^2 - 3 x + 1) (x^2 - 18 x + 1)}$$

Sequence: A256178
Score: 4.51965
Type of gen. func.: ogf

$$(622421 f(x) + 26) (f(x) x^4 - 21 f(x) x^3 + 56 f(x) x^2 - 21 f(x) x + f(x) - 1)$$

Sequence: A256178

Score: 6.54569
Type of gen. func.: lgdogf

$$-\frac{-4x^3+63x^2-112x+21}{-x^4+21x^3-56x^2+21x-1}$$

Sequence: A256181
Score: 5.24130
Type of gen. func.: ogf

$$-(x^{12}-12x^{11}+66x^{10}-217x^9+567x^8-270x^7+1608x^6-541x^5+419x^4-184x^3+58x^2-11x+1)\Big/(x-1)^{13}$$

Sequence: A256225
Score: 5.46051
Type of gen. func.: ogf

$$-\frac{x(x^8+5x^7+16x^6+25x^5+31x^4+25x^3+16x^2+5x+1)}{(x^2+1)(x^2+x+1)(x+1)^2(x-1)^5}$$

Sequence: A256226
Score: 5.08412
Type of gen. func.: ogf

$$\frac{x(3x^7+14x^6+21x^5+21x^4+22x^3+19x^2+7x+1)}{(x^4+x^3+x^2+x+1)(x+1)(x-1)^6}$$

Sequence: A256233
Score: 12.1996
Type of gen. func.: ogf

$$\frac{3x^2-6x+1}{(x-1)(x^2-3x+1)}$$

Sequence: A256233
Score: 6.20144
Type of gen. func.: ogf

$$-(655 f(x) - 1478) (f(x) x^3 - 4 f(x) x^2 + 4 f(x) x - 3 x^2 - f(x) + 6 x - 1)$$

Sequence: A256233
Score: 6.64440
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 4 a(n + 1) + a(n), a(0) = -1, a(1) = 2, a(2) = 9\}$$

Sequence: A256233
Score: 7.29581
Type of gen. func.: lgdogf

$$- \frac{-3 x^4 + 12 x^3 - 15 x^2 + 2 x + 2}{-3 x^5 + 18 x^4 - 37 x^3 + 31 x^2 - 10 x + 1}$$

Sequence: A256278
Score: 13.9099
Type of gen. func.: ogf

$$- \frac{29 x - 1}{29 x^2 - 31 x + 1}$$

Sequence: A256278
Score: 6.95496
Type of gen. func.: ogf

$$-(973 f(x) - 957) (29 f(x) x^2 - 31 f(x) x + f(x) + 29 x - 1)$$

Sequence: A256278
Score: 7.94851
Type of gen. func.: ogf

$$\{a(n + 2) - 31 a(n + 1) + 29 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A256278
Score: 9.27326
Type of gen. func.: lgdogf

$$-\frac{-841 x^{2} + 58 x - 2}{-841 x^{3} + 928 x^{2} - 60 x + 1}$$

Sequence: A256282
Score: 3.75603
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^{11} + x^{10} - x^{9} - 3 x^{8} - 2 x^{7} + 2 x^{6} + 4 x^{5} + 2 x^{4} - 2 x^{3} - x^{2} - x + 1}{-x^{12} + x^{9} - x^{3} + 1}$$

Sequence: A256289
Score: 5.49086
Type of gen. func.: ogf

$$-\frac{10 x^{18} - 20 x^{9} + 8 x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 1}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A256299
Score: 5.53376
Type of gen. func.: ogf

$$-\frac{9 x^{18} - 18 x^{9} + 8 x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 1}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A256302
Score: 3.65305
Type of gen. func.: ogf

$$-\frac{12 x^{10} + 6 x^{4} + 3 x + 2}{x - 1}$$

Sequence: A256309
Score: 6.33607
Type of gen. func.: ogf

$$-\frac{x^{3} (x^{4} + x^{2} + x + 1)}{(x + 1) (x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{5}}$$

Sequence: A256310
Score: 6.29203
Type of gen. func.: ogf

$$\frac{x^{3} (x^{4} + x^{3} + x^{2} + 1)}{(x^{4} + x^{3} + x^{2} + x + 1) (x + 1) (x^{2} + x + 1)^{2} (x - 1)^{6}}$$

Sequence: A256313
Score: 7.34116
Type of gen. func.: ogf

$$\frac{x^{2} (x^{2} + x + 1) (x^{2} + 2)}{(x^{2} + 1) (x + 1)^{2} (x - 1)^{4}}$$

Sequence: A256314
Score: 4.50916
Type of gen. func.: ogf

$$-\frac{x^{2} (2 x^{7} + 3 x^{6} + 4 x^{5} + 5 x^{4} + 6 x^{3} + 3 x^{2} + 3 x + 1)}{(x^{2} + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x + 1)^{2} (x - 1)^{5}}$$

Sequence: A256316
Score: 4.86989
Type of gen. func.: ogf

$$-\frac{x^2 (2 x^6 + 4 x^5 + 6 x^4 + 6 x^3 + 7 x^2 + 4 x + 3)}{(x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^5}$$

Sequence: A256317
Score: 3.73204
Type of gen. func.: ogf

$$\frac{x^2 (x^2 + 1) (x^4 + 2 x^3 + 2 x^2 + x + 2) (x + 1)^2}{(x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x - 1)^6}$$

Sequence: A256320
Score: 11.5187
Type of gen. func.: lgdogf

$$-\frac{-2 x^3 - 7 x^2 - 4 x - 5}{-x^4 - x^3 + x + 1}$$

Sequence: A256320
Score: 28.4506
Type of gen. func.: egf]_with_Euler_transform]

$$5 - 3 x + 1/2 x^2$$

Sequence: A256320
Score: 9.31852
Type of gen. func.: ogf

$$-\frac{x (x + 1)^3}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A256321
Score: 8.38095
Type of gen. func.: ogf

$$-\frac{x\,(x^2+2x+2)\,(2x^2+2x+1)}{(x^2+x+1)\,(x+1)\,(x-1)^3}$$

Sequence: A256322
Score: 8.23932
Type of gen. func.: ogf

$$-\frac{x\,(2x^2+3x+2)^2}{(x^2+x+1)\,(x+1)\,(x-1)^3}$$

Sequence: A256327
Score: 6.07364
Type of gen. func.: ogf

$$\frac{x\,(5x^7+13x^6+24x^5+29x^4+28x^3+17x^2+8x+1)}{(x^2+1)\,(x^2+x+1)\,(x+1)^2\,(x-1)^4}$$

Sequence: A256328
Score: 7.94704
Type of gen. func.: lgdogf

$$-\frac{2x^4+21x^3+57x^2+49x+15}{x^5+6x^4+8x^3-4x^2-9x-2}$$

Sequence: A256328
Score: 8.92926
Type of gen. func.: ogf

$$\frac{x\,(x+2)\,(x^2+4x+1)}{(x+1)\,(x-1)^4}$$

Sequence: A256329
Score: 5.52060
Type of gen. func.: ogf

$$\frac{x (x^8 + 14 x^7 + 38 x^6 + 67 x^5 + 80 x^4 + 74 x^3 + 46 x^2 + 20 x + 3)}{(x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A256331
Score: 10.5036
Type of gen. func.: revogf

$$-\frac{2 x^2 - x}{-x^3 - x^2 + x + 1}$$

Sequence: A256331
Score: 6.63385
Type of gen. func.: ogf

$$-f(x)^3 x^3 - f(x)^2 x^2 + 2 f(x)^2 x + f(x) x - f(x) + 1$$

Sequence: A256334
Score: 8.35684
Type of gen. func.: ogf

$$x^2 f(x)^3 + f(x)^2 x^3 - 2 f(x)^2 x^2 + f(x)^2 x - f(x) x^2 + 2 f(x) x + x^2 - f(x) - 2 x + 1$$

Sequence: A256428
Score: 7.62692
Type of gen. func.: ogf

$$-\frac{x^2 (2 x - 1)}{x^6 - 5 x^5 + 14 x^4 - 26 x^3 + 22 x^2 - 8 x + 1}$$

Sequence: A256429
Score: 11.9591
Type of gen. func.: ogf

$$-\frac{3x^2 - 3x - 1}{(x - 1)(5x^3 - 2x^2 + 2x - 1)}$$

Sequence: A256429
Score: 6.11241
Type of gen. func.: ogf

$$(2497 f(x) + 4085)$$

$$(5 f(x) x^4 - 7 f(x) x^3 + 4 f(x) x^2 - 3 f(x) x + 3x^2 + f(x) - 3x - 1)$$

Sequence: A256429
Score: 7.05279
Type of gen. func.: lgdogf

$$-\frac{-30x^5 + 66x^4 - 22x^3 - 18x^2 + 14x - 6}{-15x^6 + 36x^5 - 28x^4 + 14x^3 - 8x^2 + 1}$$

Sequence: A256453
Score: 5.98052
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-6x^{10} - 5x^9 - 2x^8 - 2x^7 - x^6 + x^5 + x^4 - x^3 - 2x^2 - 2x - 5}{x^{11} - 1}$$

Sequence: A256467
Score: 12.2284
Type of gen. func.: lgdegf]

$$2x^2 - 1$$

$$-\frac{}{2x^3+5x^2+4x+1}$$

Sequence: A256467
Score: 4.92419
Type of gen. func.: ogf

$$\{(-n^3-4n^2-3n)a(n)+(-2n^2-5n+2)a(n+1)+(-n-1)a(n+2),$$
$$a(0)=0,\ a(1)=1\}$$

Sequence: A256493
Score: 10.8403
Type of gen. func.: ogf

$$-\frac{12x^2-10x+1}{(x-1)(2x-1)(10x-1)}$$

Sequence: A256493
Score: 5.86445
Type of gen. func.: ogf

$$(1347 f(x)+3023)$$
$$(20 f(x) x^3-32 f(x) x^2+13 f(x) x+12x^2-f(x)-10x+1)$$

Sequence: A256493
Score: 6.16778
Type of gen. func.: ogf

$$\{-a(n+3)+13a(n+2)-32a(n+1)+20a(n),\ a(0)=1,\ a(1)=3,\ a(2)=19$$
$$\}$$

Sequence: A256493
Score: 6.38805
Type of gen. func.: lgdogf

$$-\frac{-240x^4+400x^3-224x^2+40x-3}{}$$

$$-240 x^{5} + 584 x^{4} - 496 x^{3} + 174 x^{2} - 23 x + 1$$

Sequence: A256494
Score: 15.4932
Type of gen. func.: ogf

$$- \frac{x (x^{3} + x - 1)}{(x - 1) (2 x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A256496
Score: 5.97641
Type of gen. func.: ogf

$$- \frac{59 x^{6} + 146 x^{5} + 201 x^{4} + 195 x^{3} + 159 x^{2} + 94 x + 31}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A256506
Score: 6.11948
Type of gen. func.: ogf

$$\{-a(n + 1) + (-2 n - 9) a(n + 2) + a(n + 3), a(0) = 0, a(1) = 1, a(2) = 7\}$$

Sequence: A256524
Score: 8.22589
Type of gen. func.: ogf

$$\frac{(x^{2} + x + 1) (2 x^{2} + 1)}{(x^{2} + 1) (x + 1)^{2} (x - 1)^{4}}$$

Sequence: A256525
Score: 4.54466
Type of gen. func.: ogf

$$- \frac{x^{8} + x^{7} + 4 x^{6} + 5 x^{5} + 5 x^{4} + 5 x^{3} + 4 x^{2} + x + 1}{}$$

$$(x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x + 1)^2 (x - 1)^5$$

Sequence: A256539
Score: 4.85960
Type of gen. func.: ogf

$$-\frac{x^7 + 4 x^6 + 5 x^5 + 7 x^4 + 6 x^3 + 6 x^2 + 2 x + 1}{(x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^5}$$

Sequence: A256540
Score: 3.92012
Type of gen. func.: ogf

$$\frac{3 x^8 + 5 x^7 + 11 x^6 + 11 x^5 + 13 x^4 + 10 x^3 + 8 x^2 + 2 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1)^2 (x - 1)^6}$$

Sequence: A256552
Score: 12.2143
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-11 x^3 - 2 x^2 - 9 x - 2}{x^4 - 1}$$

Sequence: A256626
Score: 14.8710
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x - 1}{x^3 + 1}$$

Sequence: A256636
Score: 9.96423
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^2 + x}{-x^5 - x^4 - x^3 - x^2 - x - 1}$$

Sequence: A256637
Score: 5.13200
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^8 + x^6 + x^5 + x^3 + x^2 + 1}{-x^{10} + x^8 - x^6 + x^4 - x^2 + 1}$$

Sequence: A256645
Score: 12.1008
Type of gen. func.: ogf

$$\frac{x (22 x + 1)}{(x - 1)^4}$$

Sequence: A256645
Score: 15.3588
Type of gen. func.: lgdogf

$$-\frac{-66 x - 26}{-22 x^2 + 21 x + 1}$$

Sequence: A256645
Score: 5.21997
Type of gen. func.: ogf

{(-2 - n) a(n + 3) + (5 - 21 n) a(n + 2) + (66 + 22 n) a(n + 1), a(0) = 0,

a(1) = 1, a(2) = 26}

Sequence: A256645
Score: 5.43304
Type of gen. func.: ogf

$$-(773212850 f(x) + 7078730591)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 22 x^2 + f(x) - x)$$

Sequence: A256646
Score: 12.1564
Type of gen. func.: ogf

$$\frac{x (23 x + 1)}{(x - 1)^4}$$

Sequence: A256646
Score: 15.4292
Type of gen. func.: lgdogf

$$- \frac{-69 x - 27}{-23 x^2 + 22 x + 1}$$

Sequence: A256646
Score: 5.24392
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 3) + (5 - 22 n) a(n + 2) + (69 + 23 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 27\}$$

Sequence: A256646
Score: 5.3847
Type of gen. func.: ogf

$$-(3985348608 f(x) + 38078983921)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 23 x^2 + f(x) - x)$$

Sequence: A256647
Score: 12.2119
Type of gen. func.: ogf

$$\frac{x (24 x + 1)}{}$$

```
                                        4
                                  (x - 1)



--------------------------------------------------------------------------------

Sequence:  A256647
Score: 15.4997
Type of gen. func.: lgdogf


                                     -72 x - 28
                               - -----------------
                                           2
                                 -24 x  + 23 x + 1



--------------------------------------------------------------------------------

Sequence:  A256647
Score: 5.26786
Type of gen. func.: ogf


{(-2 - n) a(n + 3) + (5 - 23 n) a(n + 2) + (72 + 24 n) a(n + 1), a(0) = 0,

    a(1) = 1, a(2) = 28}



--------------------------------------------------------------------------------

Sequence:  A256647
Score: 5.40929
Type of gen. func.: ogf


-(1270718750 f(x) + 12649430169)

           4            3            2                         2
    (f(x) x  - 4 f(x) x  + 6 f(x) x  - 4 f(x) x - 24 x  + f(x) - x)



--------------------------------------------------------------------------------

Sequence:  A256648
Score: 12.2119
Type of gen. func.: ogf


                                    x (25 x + 1)
                                    ------------
                                               4
                                      (x - 1)



--------------------------------------------------------------------------------

Sequence:  A256648
Score: 15.4997
Type of gen. func.: lgdogf


                                     -75 x - 29
                               - -----------------
                                           2
                                 -25 x  + 24 x + 1
```

Sequence: A256648
Score: 5.26786
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 3) + (5 - 24 n) a(n + 2) + (75 + 25 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 29\}$$

Sequence: A256648
Score: 5.40929
Type of gen. func.: ogf

$$-(6421497056 f(x) + 66490537361) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 25 x^2 + f(x) - x)$$

Sequence: A256649
Score: 12.2119
Type of gen. func.: ogf

$$\frac{x (26 x + 1)}{(x - 1)^4}$$

Sequence: A256649
Score: 15.4997
Type of gen. func.: lgdogf

$$-\frac{-78 x - 30}{-26 x^2 + 25 x + 1}$$

Sequence: A256649
Score: 5.26786
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 3) + (5 - 25 n) a(n + 2) + (78 + 26 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 30\}$$

Sequence: A256649
Score: 5.40929
Type of gen. func.: ogf

$$-(2010460986 f(x) + 21620900167)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 26 x^2 + f(x) - x)$$

Sequence: A256650
Score: 12.3784
Type of gen. func.: ogf

$$\frac{x (27 x + 1)}{(x - 1)^4}$$

Sequence: A256650
Score: 15.7110
Type of gen. func.: lgdogf

$$- \frac{-81 x - 31}{-27 x^2 + 26 x + 1}$$

Sequence: A256650
Score: 5.33970
Type of gen. func.: ogf

$\{(-2 - n) a(n + 3) + (5 - 26 n) a(n + 2) + (81 + 27 n) a(n + 1), a(0) = 0,$

$a(1) = 1, a(2) = 31\}$

Sequence: A256650
Score: 5.44649
Type of gen. func.: ogf

$$-(9989477120 f(x) + 111423085929)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 27 x^2 + f(x) - x)$$

Sequence: A256666
Score: 8.14759
Type of gen. func.: lgdogf

$$-\frac{4x^4 - 3x^3 - 7x^2 + 16x + 14}{2x^5 - 3x^4 - 3x^3 + 8x^2 + x - 5}$$

Sequence: A256666
Score: 8.97151
Type of gen. func.: ogf

$$\frac{x(2x^3 - 3x^2 - x + 5)}{(x+1)(x-1)^4}$$

Sequence: A256676
Score: 8.03620
Type of gen. func.: ogf

$$-\frac{x^8 + 3x^7 + 7x^6 + 4x^5 + 3x^4 + 4x^3 + 7x^2 + 3x + 1}{(x-1)(x^2+x+1)(x^6+x^3+1)}$$

Sequence: A256680
Score: 12.7411
Type of gen. func.: ogf

$$-\frac{x(x^3 - x^2 - 4x - 1)}{(x+1)(x-1)^2}$$

Sequence: A256680
Score: 12.9181
Type of gen. func.: lgdogf

$$-\frac{6x^2 + 9x + 5}{-x^5 + x^4 + 5x^3 - 4x - 1}$$

Sequence: A256680
Score: 6.45904
Type of gen. func.: ogf

$$\{a(n+5) - a(n+4) - a(n+3) + a(n+2),\ a(0) = 0,\ a(1) = 1,\ a(2) = 5,\ a(3) = 7,\ a(4) = 10\}$$

Sequence: A256680
Score: 7.15464
Type of gen. func.: ogf

$$-(15 f(x) - 112) (f(x) x^3 + x^4 - f(x) x^2 - x^3 - f(x) x - 4 x^2 + f(x) - x)$$

Sequence: A256710
Score: 6.04998
Type of gen. func.: ogf

$$\{-2 a(n+1) + (2 n + 3) a(n+2) - a(n+3),\ a(0) = 0,\ a(1) = 1,\ a(2) = 1\}$$

Sequence: A256716
Score: 12.0453
Type of gen. func.: ogf

$$\frac{x (21 x + 1)}{(x - 1)^4}$$

Sequence: A256716
Score: 15.2883
Type of gen. func.: lgdogf

$$-\frac{-63 x - 25}{-21 x^2 + 20 x + 1}$$

Sequence: A256716
Score: 5.19603
Type of gen. func.: ogf

$$\{(-2 - n)\, a(n + 3) + (5 - 20\, n)\, a(n + 2) + (63 + 21\, n)\, a(n + 1),\ a(0) = 0,\ a(1) = 1,\ a(2) = 25\}$$

Sequence: A256716
Score: 5.33552
Type of gen. func.: ogf

$$-(2373524384\, f(x) + 20780659593)\,(f(x)\, x^4 - 4\, f(x)\, x^3 + 6\, f(x)\, x^2 - 4\, f(x)\, x - 21\, x^2 + f(x) - x)$$

Sequence: A256718
Score: 11.9898
Type of gen. func.: ogf

$$\frac{x\,(20\, x + 1)}{(x - 1)^4}$$

Sequence: A256718
Score: 15.2179
Type of gen. func.: lgdogf

$$-\frac{-60\, x - 24}{-20\, x^2 + 19\, x + 1}$$

Sequence: A256718
Score: 5.17208
Type of gen. func.: ogf

$$\{(-2 - n)\, a(n + 3) + (5 - 19\, n)\, a(n + 2) + (60 + 20\, n)\, a(n + 1),\ a(0) = 0,\ a(1) = 1,\ a(2) = 24\}$$

Sequence: A256718
Score: 5.38319
Type of gen. func.: ogf

$$-(449843814\, f(x) + 3758646649)$$

$$(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - 4\,f(x)\,x - 20\,x^2 + f(x) - x)$$

Sequence: A256728
Score: 3.82725
Type of gen. func.: ogf

$$-(15407\,f(x) + 1640960)\,($$

$$64\,f(x)\,x^4 - 56\,f(x)\,x^3 + 4096\,x^3 + 7\,f(x)\,x - 3072\,x^2 - f(x) - 384\,x + 384$$

$$)$$

Sequence: A256728
Score: 6.85125
Type of gen. func.: ogf

$$-\frac{128\,(32\,x^3 - 24\,x^2 - 3\,x + 3)}{(8\,x^2 - 1)\,(8\,x^2 - 7\,x + 1)}$$

Sequence: A256803
Score: 4.44205
Type of gen. func.: ogf

$$-\frac{26\,x^7 + 86\,x^6 + 39\,x^5 - 27\,x^4 - 94\,x^3 - 119\,x^2 - 54\,x - 32}{2\,x^8 + 6\,x^7 + x^6 - 3\,x^5 - 7\,x^4 - 7\,x^3 - x^2 - x + 1}$$

Sequence: A256813
Score: 5.71668
Type of gen. func.: ogf

$$-\frac{32\,x^5 - 48\,x^4 + 8\,x^3 - 60\,x^2 + 2\,x - 63}{x^6 - 2\,x^5 + x^4 - 2\,x^3 + x^2 - 2\,x + 1}$$

Sequence: A256814
Score: 3.78832

Type of gen. func.: ogf

$$-(252x^9 - 250x^8 - 128x^7 - 190x^6 + 93x^5 + 48x^4 - 39x^3 + 104x^2 - 11x + 120) / ((x - 1)(4x^9 - 2x^8 - 2x^7 - 4x^6 - x^5 - x^4 - 2x^3 - x + 1))$$

Sequence: A256817
Score: 6.53701
Type of gen. func.: ogf

$$-\frac{3x^5 - 20x^4 + 48x^3 - 56x^2 + 32x - 8}{(x - 1)^6}$$

Sequence: A256818
Score: 6.34708
Type of gen. func.: ogf

$$-\frac{4x^5 - 37x^4 + 96x^3 - 112x^2 + 64x - 16}{(x - 1)^6}$$

Sequence: A256819
Score: 5.99120
Type of gen. func.: ogf

$$\frac{x^7 - 4x^6 + 68x^4 - 192x^3 + 224x^2 - 128x + 32}{(x - 1)^6}$$

Sequence: A256820
Score: 5.18692
Type of gen. func.: ogf

$$\frac{4x^8 - 8x^7 - 7x^6 + 16x^5 + 124x^4 - 384x^3 + 448x^2 - 256x + 64}{(x - 1)^6}$$

Sequence: A256821
Score: 4.58087
Type of gen. func.: ogf

$$(10 x^{9} - 14 x^{8} - 7 x^{7} - 24 x^{6} + 68 x^{5} + 224 x^{4} - 768 x^{3} + 896 x^{2} - 512 x + 128) / (x - 1)^{6}$$

Sequence: A256822
Score: 4.10311
Type of gen. func.: ogf

$$(28 x^{10} - 64 x^{9} + 78 x^{8} - 102 x^{7} - 35 x^{6} + 208 x^{5} + 400 x^{4} - 1536 x^{3} + 1792 x^{2} - 1024 x + 256) / (x - 1)^{6}$$

Sequence: A256833
Score: 11.8058
Type of gen. func.: lgdogf

$$- \frac{x^{2} + 26 x + 21}{x^{3} + 11 x^{2} - 9 x - 3}$$

Sequence: A256833
Score: 12.7579
Type of gen. func.: ogf

$$- \frac{2 (x^{2} + 12 x + 3)}{(x - 1)^{3}}$$

Sequence: A256833
Score: 6.53711
Type of gen. func.: ogf

3 2 2

$(11184 f(x) - 196049) (f(x) x - 3 f(x) x + 3 f(x) x + 2 x - f(x) + 24 x + 6)$

Sequence: A256833
Score: 6.87817
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 6, a(1) = 42, a(2) = 110\}$

Sequence: A256857
Score: 10.1742
Type of gen. func.: ogf

$$-\frac{x (2 x^2 - 4 x - 1)}{(x - 1)^4}$$

Sequence: A256857
Score: 11.6049
Type of gen. func.: lgdogf

$$-\frac{-4 x^2 + 8 x + 8}{-2 x^3 + 6 x^2 - 3 x - 1}$$

Sequence: A256857
Score: 3.77012
Type of gen. func.: ogf

$\{(-3 - n) a(n + 4) + (2 - 3 n) a(n + 3) + (14 + 6 n) a(n + 2)$

$+ (-4 - 2 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 8, a(3) = 24\}$

Sequence: A256857
Score: 5.38199
Type of gen. func.: ogf

$-(5 f(x) + 36)$

$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 2 x^3 - 4 f(x) x - 4 x^2 + f(x) - x)$

Sequence: A256859
Score: 12.6660
Type of gen. func.: lgdogf

$$-\frac{-16 x^2 - 8 x - 6}{-4 x^3 + 4 x^2 - x + 1}$$

Sequence: A256859
Score: 4.31042
Type of gen. func.: ogf

{(n + 4) a(n + 4) + (-9 - n) a(n + 3) + 4 n a(n + 2) + (-20 - 4 n) a(n + 1),

a(0) = 1, a(1) = 6, a(2) = 25, a(3) = 80}

Sequence: A256859
Score: 9.80107
Type of gen. func.: ogf

$$\frac{4 x^2 + 1}{(x - 1)^6}$$

Sequence: A256860
Score: 11.9148
Type of gen. func.: lgdogf

$$-\frac{-25 x^2 - 10 x - 7}{-5 x^3 + 5 x^2 - x + 1}$$

Sequence: A256860
Score: 4.07450
Type of gen. func.: ogf

{(n + 4) a(n + 4) + (-10 - n) a(n + 3) + 5 n a(n + 2) + (-30 - 5 n) a(n + 1),

a(0) = 1, a(1) = 7, a(2) = 33, a(3) = 119}

Sequence: A256860
Score: 8.45568
Type of gen. func.: ogf

$$-\frac{5 x^2 + 1}{(x - 1)^7}$$

Sequence: A256861
Score: 11.6050
Type of gen. func.: lgdogf

$$-\frac{-36 x^2 - 12 x - 8}{-6 x^3 + 6 x^2 - x + 1}$$

Sequence: A256861
Score: 3.96854
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-11 - n) a(n + 3) + 6 n a(n + 2) + (-42 - 6 n) a(n + 1),$$

$$a(0) = 1, a(1) = 8, a(2) = 42, a(3) = 168\}$$

Sequence: A256861
Score: 7.50911
Type of gen. func.: ogf

$$\frac{6 x^2 + 1}{(x - 1)^8}$$

Sequence: A256871
Score: 10.3545
Type of gen. func.: lgdogf

$$-\frac{-184 x^2 + 96 x - 13}{-184 x^3 + 186 x^2 - 59 x + 6}$$

Sequence: A256871
Score: 16.4322
Type of gen. func.: ogf

$$- \frac{23 x - 6}{(2 x - 1) (4 x - 1)}$$

Sequence: A256871
Score: 8.49302
Type of gen. func.: ogf

$$(18 f(x) - 277) (8 f(x) x^{2} - 6 f(x) x + f(x) + 23 x - 6)$$

Sequence: A256871
Score: 9.10698
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 8 a(n), a(0) = 6, a(1) = 13\}$$

Sequence: A256873
Score: 10.9076
Type of gen. func.: lgdogf

$$- \frac{-88 x^{2} + 48 x - 7}{-88 x^{3} + 90 x^{2} - 29 x + 3}$$

Sequence: A256873
Score: 16.3613
Type of gen. func.: ogf

$$- \frac{11 x - 3}{(2 x - 1) (4 x - 1)}$$

Sequence: A256873
Score: 8.65081

Type of gen. func.: ogf

$$(6 f(x) - 67) (8 f(x) x^2 - 6 f(x) x + f(x) + 11 x - 3)$$

Sequence: A256873
Score: 9.17830
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 8 a(n), a(0) = 3, a(1) = 7\}$$

Sequence: A256888
Score: 7.76854
Type of gen. func.: ogf

$$- \frac{3 x^9 + 5 x^8 + x^7 + 3 x^6 + x^5 + 3 x^4 + x^3 + 5 x^2 + 3 x + 2}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A256938
Score: 7.32266
Type of gen. func.: revogf

$$- \frac{-x^2 + (x^4 + 2 x^3 + 11 x^2 + 2 x + 1)^{1/2} - 3 x - 1}{2 (x^2 + 1)}$$

Sequence: A256938
Score: 9.13071
Type of gen. func.: ogf

$$-f(x)^2 x^3 + f(x)^2 x^2 + 3 f(x) x - f(x) - x + 1$$

Sequence: A256939
Score: 7.04835
Type of gen. func.: revogf

$$- \frac{-x^2 + (x^4 + 4 x^3 + 18 x^2 + 4 x + 1)^{1/2} - 4 x - 1}{}$$

$$2 (x^2 + 1)$$

Sequence: A256939
Score: 8.78869
Type of gen. func.: ogf

$$-f(x)^2 x^3 + f(x)^2 x^2 + 4 f(x) x - f(x) - x + 1$$

Sequence: A256958
Score: 14.6658
Type of gen. func.: ogf

$$(2 f(x) + 2501) (f(x) x^2 - 2 f(x) x + f(x) - 51 x + 50)$$

Sequence: A256958
Score: 15.7133
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -50, a(1) = -49\}$$

Sequence: A256958
Score: 24.4430
Type of gen. func.: lgdogf

$$- \frac{-51 x + 49}{-51 x^2 + 101 x - 50}$$

Sequence: A256958
Score: 28.0834
Type of gen. func.: ogf

$$\frac{51 x - 50}{(x - 1)^2}$$

Sequence: A256959

Score: 5.33347
Type of gen. func.: ogf

$$(43999 f(x) - 181805)$$
$$(8 f(x) x^{3} - 4 x^{4} - 14 f(x) x^{2} + 4 x^{3} + 7 f(x) x + 5 x^{2} - f(x) - 3 x + 1)$$

Sequence: A256959
Score: 9.36777
Type of gen. func.: ogf

$$\frac{4 x^{4} - 4 x^{3} - 5 x^{2} + 3 x - 1}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A256960
Score: 11.4573
Type of gen. func.: ogf

$$- \frac{(2 x + 1) (2 x^{2} + 2 x - 1)}{(2 x - 1) (x + 1) (2 x^{2} + 3 x - 1)}$$

Sequence: A256960
Score: 6.01715
Type of gen. func.: ogf

$$(3615 f(x) - 4373)$$
$$(4 f(x) x^{4} + 8 f(x) x^{3} - f(x) x^{2} + 4 x^{3} - 4 f(x) x + 6 x^{2} + f(x) - 1)$$

Sequence: A256994
Score: 15.4506
Type of gen. func.: ogf

$$- \frac{2 x^{4} - x^{3} + x^{2} + 3 x - 2}{(2 x - 1) (x - 1)}$$

Sequence: A256994

Score: 8.39441
Type of gen. func.: ogf

{a(n + 5) - 3 a(n + 4) + 2 a(n + 3), a(0) = 2, a(1) = 3, a(2) = 4, a(3) = 7,

a(4) = 11}

Sequence: A256994
Score: 9.11185
Type of gen. func.: ogf

$$-(100 f(x) - 197) (2 x^4 + 2 f(x) x^2 - x^3 - 3 f(x) x + x^2 + f(x) + 3 x - 2)$$

Sequence: A256994
Score: 9.11188
Type of gen. func.: lgdogf

$$- \frac{-8 x^5 + 20 x^4 - 14 x^3 + 12 x^2 - 10 x + 3}{4 x^6 - 8 x^5 + 7 x^4 + 2 x^3 - 12 x^2 + 9 x - 2}$$

Sequence: A257042
Score: 10.5999
Type of gen. func.: ogf

$$- \frac{2 x (2 x^2 - 6 x - 5)}{(x - 1)^4}$$

Sequence: A257042
Score: 12.0453
Type of gen. func.: lgdogf

$$- \frac{-4 x^2 + 14 x + 26}{-2 x^3 + 8 x^2 - x - 5}$$

Sequence: A257042
Score: 3.93561

Type of gen. func.: ogf

$$\{(-15 - 5 n) a(n + 4) + (24 - n) a(n + 3) + (22 + 8 n) a(n + 2) + (-4 - 2 n) a(n + 1), a(0) = 0, a(1) = 10, a(2) = 52, a(3) = 144\}$$

Sequence: A257042
Score: 5.44516
Type of gen. func.: ogf

$$(318573 f(x) + 5205181) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 4 x^3 - 4 f(x) x - 12 x^2 + f(x) - 10 x)$$

Sequence: A257051
Score: 4.41855
Type of gen. func.: ogf

$$\{(23 n^2 + 77 n) a(n + 1) + (-40 n^2 - 46 n + 48) a(n + 2) + (17 n^2 - 7 n) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 10\}$$

Sequence: A257051
Score: 8.29047
Type of gen. func.: ogf

$$\frac{2 x^3 (x^3 - 4 x^2 + 6 x - 5)}{(x - 1)^5}$$

Sequence: A257051
Score: 9.57352
Type of gen. func.: lgdogf

$$- \frac{-2 x^3 + 9 x^2 - 16 x + 19}{-x^4 + 5 x^3 - 10 x^2 + 11 x - 5}$$

Sequence: A257052

Score: 4.80284
Type of gen. func.: ogf

$$\{(7 n + 20) a(n + 1) + (-20 n - 46) a(n + 2) + (13 n + 2) a(n + 3), a(0) = 0,$$
$$a(1) = 0, a(2) = 0, a(3) = 10\}$$

Sequence: A257052
Score: 8.20484
Type of gen. func.: ogf

$$\frac{x^3 (x^3 - 3 x^2 + 6 x - 10)}{(x - 1)^5}$$

Sequence: A257052
Score: 9.37696
Type of gen. func.: lgdogf

$$- \frac{-2 x^3 + 6 x^2 - 18 x + 44}{-x^4 + 4 x^3 - 9 x^2 + 16 x - 10}$$

Sequence: A257055
Score: 10.8699
Type of gen. func.: ogf

$$- \frac{x (3 x^2 + 1)}{(x - 1)^5}$$

Sequence: A257055
Score: 12.7382
Type of gen. func.: lgdogf

$$- \frac{-9 x^2 - 6 x - 5}{-3 x^3 + 3 x^2 - x + 1}$$

Sequence: A257055
Score: 4.15940
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-7 - n) a(n + 3) + (-3 + 3 n) a(n + 2) + (-9 - 3 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 5, a(3) = 18\}$$

Sequence: A257060
Score: 10.1852
Type of gen. func.: ogf

$$- \frac{x^2 + 2 x + 4}{x^3 + 2 x^2 + 4 x - 1}$$

Sequence: A257060
Score: 5.35603
Type of gen. func.: ogf

$$-(22 f(x) - 7) (f(x) x^3 + 2 f(x) x^2 + 4 f(x) x + x^2 - f(x) + 2 x + 4)$$

Sequence: A257060
Score: 5.44999
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) - 2 a(n + 1) - a(n), a(0) = 4, a(1) = 18, a(2) = 81\}$$

Sequence: A257061
Score: 4.10704
Type of gen. func.: ogf

$$-(56653 f(x) - 27428) (4 f(x) x^4 + 7 f(x) x^3 + 5 f(x) x^2 + 4 x^3 + 4 f(x) x + 8 x^2 - f(x) + 7 x + 5)$$

Sequence: A257061
Score: 7.94739
Type of gen. func.: ogf

$$-\frac{4 x^3 + 8 x^2 + 7 x + 5}{4 x^4 + 7 x^3 + 5 x^2 + 4 x - 1}$$

Sequence: A257063
Score: 13.6826
Type of gen. func.: ogf

$$\frac{x^4 + x^2 + x + 1}{(x^2 - x + 1) (x + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A257064
Score: 6.30565
Type of gen. func.: ogf

$$-\frac{x^{10} + 4 x^8 + 4 x^7 + 5 x^6 + 2 x^5 + 7 x^4 + 2 x^3 + 3 x^2 + 2 x + 2}{(x^2 - x + 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A257072
Score: 6.31576
Type of gen. func.: ogf

$$-45 f(x)^2 x^2 + 23 f(x)^2 x - 3 f(x)^2 - 27 f(x) x + 7 f(x) - 4$$

Sequence: A257075
Score: 14.1371
Type of gen. func.: ogf

$$-\frac{x^2 - x + 1}{(x - 1) (x^2 + x + 1)}$$

Sequence: A257075
Score: 20.9293

Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + 2 x^2 + x - 1$$

Sequence: A257075
Score: 9.11470
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n), a(0) = 1, a(1) = -1, a(2) = 1\}$$

Sequence: A257075
Score: 9.23622
Type of gen. func.: ogf

$$(f(x) - 3) (f(x) x^3 + x^2 - f(x) - x + 1)$$

Sequence: A257076
Score: 11.8253
Type of gen. func.: ogf

$$- \frac{(x - 1) (x^2 + x + 1)}{x^2 - x + 1}$$

Sequence: A257076
Score: 17.5069
Type of gen. func.: ogf_with_Euler_transform]

$$x^5 - 2 x^2 - x + 1$$

Sequence: A257076
Score: 5.12781
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 3) - a(n + 2), a(0) = 1, a(1) = 1, a(2) = 0, a(3) = -2\}$$

Sequence: A257076
Score: 8.64839
Type of gen. func.: ogf

$$-f(x)\,x^{2} - x^{3} + f(x)\,x - f(x) + 1$$

Sequence: A257083
Score: 25.1399
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{3} - x^{2} + 3\,x + 2$$

Sequence: A257083
Score: 8.96465
Type of gen. func.: ogf

$$-\frac{(x^{2} + 1)\,(x^{2} + x + 1)}{(x + 1)^{2}\,(x - 1)^{3}}$$

Sequence: A257088
Score: 11.3223
Type of gen. func.: ogf

$$\frac{(x^{2} + 1)\,(x^{2} + x + 1)}{(x + 1)^{2}\,(x - 1)^{2}}$$

Sequence: A257088
Score: 24.9533
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{3} - x^{2} + 3\,x + 1$$

Sequence: A257088
Score: 7.58283
Type of gen. func.: ogf

$$(8 f(x) + 5) (f(x) x^{4} - x^{4} - 2 f(x) x^{2} - x^{3} - 2 x^{2} + f(x) - x - 1)$$

Sequence: A257088
Score: 8.60968
Type of gen. func.: lgdogf

$$- \frac{x^{4} + 8 x^{3} + 6 x^{2} + 8 x + 1}{x^{6} + x^{5} + x^{4} - x^{2} - x - 1}$$

Sequence: A257093
Score: 5.66506
Type of gen. func.: ogf

$$(35833070 f(x) + 188008069)$$

$$(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 4 f(x) x - 8 x^{2} + f(x) - 5 x)$$

Sequence: A257104
Score: 4.72912
Type of gen. func.: ogf

$$f(x)^{2} x^{4} - 2 f(x)^{2} x^{3} - 2 f(x) x^{4} + 7 f(x)^{2} x^{2} + 3 f(x) x^{3} + x^{4} - 5 f(x)^{2} x$$

$$- 9 f(x) x^{2} - x^{3} + f(x)^{2} + 8 f(x) x + 3 x^{2} - 2 f(x) - 3 x + 1$$

Sequence: A257113
Score: 10.7201
Type of gen. func.: ogf

$$(4 f(x) + 1) (2 f(x) x - x^{2} - f(x) - x + 2)$$

Sequence: A257113
Score: 12.5627
Type of gen. func.: lgdogf

$$- \frac{2 x^{2} - 2 x + 3}{}$$

$$-2 x^{3} - x^{2} + 5 x - 2$$

Sequence: A257113
Score: 17.8669
Type of gen. func.: ogf

$$\frac{(x + 2) (x - 1)}{2 x - 1}$$

Sequence: A257113
Score: 9.57155
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2), a(0) = 2, a(1) = 3, a(2) = 5\}$$

Sequence: A257143
Score: 10.2489
Type of gen. func.: lgdogf

$$- \frac{-x^{4} - 6 x^{3} - 6 x^{2} - 6 x - 1}{-x^{6} - x^{5} + x + 1}$$

Sequence: A257143
Score: 11.2317
Type of gen. func.: ogf

$$\frac{x^{4} + x^{3} + x^{2} + x + 1}{(x + 1)^{2} (x - 1)^{2}}$$

Sequence: A257143
Score: 28.1718
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^{4} + 2 x + 1]$$

Sequence: A257143
Score: 7.38662
Type of gen. func.: ogf

$$(34 f(x) + 65) (f(x) x^4 - x^4 - 2 f(x) x^2 - x^3 - x^2 + f(x) - x - 1)$$

Sequence: A257145
Score: 20.8431
Type of gen. func.: ogf_with_Euler_transform]

$$[x^4 - 2 x - 1]$$

Sequence: A257145
Score: 5.46219
Type of gen. func.: ogf

$$f(x) x^4 + f(x) x^3 - x^4 + f(x) x^2 + f(x) x + 2 x^2 + f(x) - 1$$

Sequence: A257145
Score: 8.30551
Type of gen. func.: ogf

$$\frac{(x + 1)^2 (x - 1)^2}{x^4 + x^3 + x^2 + x + 1}$$

Sequence: A257164
Score: 8.47831
Type of gen. func.: ogf

$$- \frac{x (3 x^3 + x^2 + 4 x + 2)}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A257170
Score: 11.0574
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 - x^5 - x^3 + x^2 - x + 1$$

Sequence: A257170
Score: 5.12615
Type of gen. func.: ogf

{-a(n + 5) - a(n + 1), a(0) = 1, a(1) = 1, a(2) = 0, a(3) = 1, a(4) = 0}

Sequence: A257170
Score: 8.90773
Type of gen. func.: ogf

$$f(x)\, x^4 - x^4 - x^3 + f(x) - x - 1$$

Sequence: A257170
Score: 9.53284
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1)\,(x + 1)^2}{x^4 + 1}$$

Sequence: A257171
Score: 6.21035
Type of gen. func.: ogf

$$\frac{2 x^8 - 3 x^7 - 5 x^6 + 9 x^5 + 5 x^4 - 8 x^3 + x^2 + 4 x + 1}{(x + 1)^3\,(x - 1)^4}$$

Sequence: A257174
Score: 19.9264
Type of gen. func.: ogf_with_Euler_transform]

$$-x^4 - x^3 + 2 x^2 + x + 1$$

Sequence: A257174
Score: 9.21253
Type of gen. func.: ogf

$$\frac{(x^2 + 1)\,(x^4 + x^3 + x^2 + x + 1)}{(x - 1)^2\,(x^2 + x + 1)^2}$$

Sequence: A257178
Score: 3.50004
Type of gen. func.: ogf

$\{(-12\ n - 30)\ a(n + 1) + (-5\ n - 24)\ a(n + 2) + (6\ n + 30)\ a(n + 3)$

$+ (-n - 6)\ a(n + 4),\ a(0) = 1,\ a(1) = 3,\ a(2) = 10,\ a(3) = 33\}$

Sequence: A257178
Score: 9.18191
Type of gen. func.: ogf

$$3\ f(x)^2\ x^3 - f(x)^2\ x^2 - 3\ f(x)\ x + f(x) - 1$$

Sequence: A257179
Score: 13.0060
Type of gen. func.: ogf

$$-\frac{(x + 1)\,(x^4 - x^3 + x^2 - x + 1)}{(x - 1)\,(x^4 + 1)}$$

Sequence: A257179
Score: 16.4316
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9 + x^7 + x^4 - x^3 + 1$$

Sequence: A257181

Score: 12.4892
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 - x^7 - x^4 + x^3 - 1$$

Sequence: A257181
Score: 9.88875
Type of gen. func.: ogf

$$-\frac{(x - 1)(x^4 + 1)}{(x + 1)(x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A257196
Score: 14.5766
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9 + x^7 + x^4 - 2 x + 1$$

Sequence: A257196
Score: 8.21159
Type of gen. func.: ogf

$$\frac{(x^4 - x^3 + x^2 - x + 1)(x + 1)^2}{(x^2 + 1)(x^4 + 1)}$$

Sequence: A257198
Score: 11.6368
Type of gen. func.: lgdogf

$$-\frac{8 x^2 - x - 3}{2 x^3 - x^2 - 2 x + 1}$$

Sequence: A257198
Score: 14.0520
Type of gen. func.: ogf

$$-\frac{2 x^2}{(2 x - 1) (x + 1) (x - 1)^2}$$

Sequence: A257198
Score: 3.83895
Type of gen. func.: ogf

$$\{(-2 n - 6) a(n + 1) + (n + 1) a(n + 2) + (2 n + 5) a(n + 3) + (-2 - n) a(n + 4), a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 6\}$$

Sequence: A257198
Score: 6.15501
Type of gen. func.: ogf

$$(f(x) - 2) (2 f(x) x^4 - 3 f(x) x^3 - f(x) x^2 + 3 f(x) x + 2 x^2 - f(x))$$

Sequence: A257199
Score: 13.1416
Type of gen. func.: lgdogf

$$-\frac{-4 x^2 + 3 x - 5}{-x^3 + 2 x^2 - 2 x + 1}$$

Sequence: A257199
Score: 25.3119
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^2 + x + 5$$

Sequence: A257199
Score: 4.22646
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-11 - 2 n) a(n + 3) + (7 + 2 n) a(n + 2)$$

$+ (-5 - n) a(n + 1), a(0) = 1, a(1) = 5, a(2) = 16, a(3) = 41\}$

Sequence: A257199
Score: 9.55756
Type of gen. func.: ogf

$$\frac{x^2 - x + 1}{(x - 1)^6}$$

Sequence: A257200
Score: 14.5250
Type of gen. func.: lgdogf

$$-\frac{-5 x^2 + 4 x - 6}{-x^3 + 2 x^2 - 2 x + 1}$$

Sequence: A257200
Score: 27.9763
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^2 + x + 6$$

Sequence: A257200
Score: 4.67135
Type of gen. func.: ogf

$\{(n + 4) a(n + 4) + (-12 - 2 n) a(n + 3) + (8 + 2 n) a(n + 2)$

$+ (-n - 6) a(n + 1), a(0) = 1, a(1) = 6, a(2) = 22, a(3) = 63\}$

Sequence: A257200
Score: 9.58348
Type of gen. func.: ogf

$$-\frac{x^2 - x + 1}{(x - 1)^7}$$

Sequence: A257201
Score: 15.7353
Type of gen. func.: lgdogf

$$-\frac{-6x^2+5x-7}{-x^3+2x^2-2x+1}$$

Sequence: A257201
Score: 30.3076
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5+x^2+x+7$$

Sequence: A257201
Score: 5.06060
Type of gen. func.: ogf

$$\{(n+4)\,a(n+4)+(-13-2n)\,a(n+3)+(9+2n)\,a(n+2)+(-7-n)\,a(n+1),\ a(0)=1,\ a(1)=7,\ a(2)=29,\ a(3)=92\}$$

Sequence: A257201
Score: 9.50057
Type of gen. func.: ogf

$$\frac{x^2-x+1}{(x-1)^8}$$

Sequence: A257272
Score: 10.7687
Type of gen. func.: ogf

$$\{a(n+2)-6\,a(n+1)+8\,a(n),\ a(0)=4,\ a(1)=9\}$$

Sequence: A257272
Score: 12.2643
Type of gen. func.: lgdogf

$$-\frac{-120 x^2 + 64 x - 9}{-120 x^3 + 122 x^2 - 39 x + 4}$$

Sequence: A257272
Score: 19.1964
Type of gen. func.: ogf

$$-\frac{15 x - 4}{(2 x - 1) (4 x - 1)}$$

Sequence: A257272
Score: 9.92173
Type of gen. func.: ogf

$$(10 f(x) - 121) (8 f(x) x^2 - 6 f(x) x + f(x) + 15 x - 4)$$

Sequence: A257273
Score: 10.2678
Type of gen. func.: ogf

$$(2 f(x) - 29) (8 f(x) x^2 - 6 f(x) x + f(x) + 7 x - 2)$$

Sequence: A257273
Score: 10.7687
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + 8 a(n), a(0) = 2, a(1) = 5\}$$

Sequence: A257273
Score: 12.7976
Type of gen. func.: lgdogf

$$-\frac{-56 x^2 + 32 x - 5}{}$$

$$-56 x^3 + 58 x^2 - 19 x + 2$$

Sequence: A257273
Score: 19.6230
Type of gen. func.: ogf

$$-\frac{7 x - 2}{(2 x - 1) (4 x - 1)}$$

Sequence: A257275
Score: 11.6600
Type of gen. func.: ogf_with_Euler_transform]

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Sequence: A257285
Score: 10.2244
Type of gen. func.: lgdogf

$$-\frac{-20 x^2 + 40 x - 8}{-20 x^3 + 29 x^2 - 10 x + 1}$$

Sequence: A257285
Score: 15.3366
Type of gen. func.: ogf

$$-\frac{x - 1}{(5 x - 1) (4 x - 1)}$$

Sequence: A257285
Score: 7.92681
Type of gen. func.: ogf

$$(89 f(x) + 167) (20 f(x) x^2 - 9 f(x) x + f(x) + x - 1)$$

Sequence: A257285
Score: 8.49982
Type of gen. func.: ogf

$$\{-a(n + 2) + 9 a(n + 1) - 20 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A257286
Score: 13.6032
Type of gen. func.: ogf

$$-\frac{x - 1}{(6 x - 1) (5 x - 1)}$$

Sequence: A257286
Score: 7.1837
Type of gen. func.: ogf

$$(17 f(x) + 33) (30 f(x) x^2 - 11 f(x) x + f(x) + x - 1)$$

Sequence: A257286
Score: 7.52175
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 30 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A257286
Score: 9.13356
Type of gen. func.: lgdogf

$$-\frac{-30 x^2 + 60 x - 10}{-30 x^3 + 41 x^2 - 12 x + 1}$$

Sequence: A257287
Score: 13.1302
Type of gen. func.: ogf

$$-\frac{x - 1}{(7 x - 1) (6 x - 1)}$$

Sequence: A257287
Score: 6.78155
Type of gen. func.: ogf

$$(193 f(x) + 383) (42 f(x) x^2 - 13 f(x) x + f(x) + x - 1)$$

Sequence: A257287
Score: 7.26024
Type of gen. func.: ogf

$$\{-a(n + 2) + 13 a(n + 1) - 42 a(n), a(0) = 1, a(1) = 12\}$$

Sequence: A257287
Score: 8.81600
Type of gen. func.: lgdogf

$$- \frac{-42 x^2 + 84 x - 12}{-42 x^3 + 55 x^2 - 14 x + 1}$$

Sequence: A257288
Score: 10.2485
Type of gen. func.: lgdogf

$$- \frac{-56 x^2 + 112 x - 14}{-56 x^3 + 71 x^2 - 16 x + 1}$$

Sequence: A257288
Score: 15.4817
Type of gen. func.: ogf

$$- \frac{x - 1}{(8 x - 1) (7 x - 1)}$$

Sequence: A257288

Score: 8.0849
Type of gen. func.: ogf

$$(65 f(x) + 131) (56 f(x) x^2 - 15 f(x) x + f(x) + x - 1)$$

Sequence: A257288
Score: 8.56047
Type of gen. func.: ogf

$$\{-a(n + 2) + 15 a(n + 1) - 56 a(n), a(0) = 1, a(1) = 14\}$$

Sequence: A257289
Score: 14.7874
Type of gen. func.: ogf

$$- \frac{x - 1}{(9 x - 1) (8 x - 1)}$$

Sequence: A257289
Score: 7.98862
Type of gen. func.: ogf

$$(f(x) + 1) (72 f(x) x^2 - 17 f(x) x + f(x) + x - 1)$$

Sequence: A257289
Score: 8.17658
Type of gen. func.: ogf

$$\{-a(n + 2) + 17 a(n + 1) - 72 a(n), a(0) = 1, a(1) = 16\}$$

Sequence: A257289
Score: 9.78886
Type of gen. func.: lgdogf

$$- \frac{-72 x^2 + 144 x - 16}{-72 x^3 + 89 x^2 - 18 x + 1}$$

Sequence: A257290
Score: 12.9881
Type of gen. func.: ogf

$$-f(x)^2 x^2 - 3 f(x) x + f(x) + 3 x - 1$$

Sequence: A257290
Score: 4.11183
Type of gen. func.: ogf

$$\{(-12 n - 18) a(n + 1) + (-15 - 5 n) a(n + 2) + (6 n + 27) a(n + 3) + (-n - 6) a(n + 4), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 3\}$$

Sequence: A257290
Score: 9.19387
Type of gen. func.: revogf

$$\frac{x^2}{6} + x/2 + 1/6 - \frac{(x^4 + 6 x^3 + 11 x^2 - 6 x + 1)^{1/2}}{6}$$

Sequence: A257293
Score: 5.48607
Type of gen. func.: ogf

$$\frac{3 x^8 + 7 x^7 + 6 x^6 + 26 x^5 - 260 x^4 - 357 x^3 - 46 x^2 - 26 x - 3}{(x - 1) (x^4 + 10 x^2 - 1) (x^4 - 10 x^2 - 1)}$$

Sequence: A257297
Score: 9.43863
Type of gen. func.: ogf

$$\frac{x^{11} (9 x^8 + 8 x^7 + 7 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1)}{(x - 1)^2 (x + 1)^2 (x^4 + x^3 + x^2 + x + 1)^2 (x^4 - x^3 + x^2 - x + 1)^2}$$

Sequence: A257300
Score: 4.57477
Type of gen. func.: ogf

$$f(x)^2 x^4 - f(x)^2 x^3 + 3 f(x)^2 x^2 + 2 f(x) x^3 - 3 f(x)^2 x - 2 f(x) x^2 + f(x)^2 + 5 f(x) x + x^2 - 3 f(x) - x + 2$$

Sequence: A257319
Score: 11.5613
Type of gen. func.: lgdogf

$$- \frac{94 x - 48}{47 x^2 - 48 x + 1}$$

Sequence: A257319
Score: 14.3140
Type of gen. func.: ogf

$$\frac{1840 x}{(47 x - 1) (x - 1)}$$

Sequence: A257319
Score: 6.99055
Type of gen. func.: ogf

$$\{a(n + 2) - 48 a(n + 1) + 47 a(n), a(0) = 0, a(1) = 1840\}$$

Sequence: A257319
Score: 9.39355
Type of gen. func.: ogf

$$-47 f(x) x^2 + 48 f(x) x - f(x) + 1840 x$$

Sequence: A257352
Score: 10.5918
Type of gen. func.: lgdogf

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$$-\frac{-51 x - 98 x - 1}{-51 x^3 + 53 x^2 - 3 x + 1}$$

Sequence: A257352
Score: 11.6168
Type of gen. func.: ogf

$$-\frac{51 x^2 - 2 x + 1}{(x - 1)^3}$$

Sequence: A257352
Score: 5.95241
Type of gen. func.: ogf

$$-(148 f(x) - 2451) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 51 x^2 - f(x) - 2 x + 1)$$

Sequence: A257352
Score: 6.37383
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 1, a(2) = 51\}$$

Sequence: A257363
Score: 6.83436
Type of gen. func.: ogf

$$19 f(x)^2 x^3 + 21 f(x)^2 x^2 - 18 f(x)^2 x + 9 f(x) x^2 + 3 f(x)^2 + 17 f(x) x - 6 f(x) + x + 3$$

Sequence: A257388
Score: 10.5359
Type of gen. func.: ogf

$$4 f(x)^2 x^3 - f(x)^2 x^2 - 4 f(x) x + f(x) - 1$$

Sequence: A257388
Score: 3.99639
Type of gen. func.: ogf

$$\{(-16 n - 40) a(n + 1) + (-12 n - 52) a(n + 2) + (8 n + 40) a(n + 3) + (-n - 6) a(n + 4), a(0) = 1, a(1) = 4, a(2) = 17, a(3) = 72\}$$

Sequence: A257390
Score: 11.5326
Type of gen. func.: ogf

$$-f(x)^2 x^2 - 4 f(x) x + f(x) + 4 x - 1$$

Sequence: A257390
Score: 3.63278
Type of gen. func.: ogf

$$\{(-16 n - 24) a(n + 1) + (-12 n - 36) a(n + 2) + (8 n + 36) a(n + 3) + (-n - 6) a(n + 4), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 4\}$$

Sequence: A257390
Score: 8.16355
Type of gen. func.: revogf

$$\frac{x^2}{8} + x/2 + 1/8 - \frac{(x^4 + 8 x^3 + 18 x^2 - 8 x + 1)^{1/2}}{8}$$

Sequence: A257418
Score: 9.49487
Type of gen. func.: ogf

$$-\frac{2 x^5 - x^4 + 5 x^3 - 4 x^2 - 3 x + 2}{(2 x - 1) (x - 1) (2 x^2 - 1)}$$

Sequence: A257439
Score: 5.77496

Type of gen. func.: ogf

$$\frac{9x^5 + 4x^4 - 15x^3 + x^2 - 22x + 30}{(x - 1)(x^3 + x - 1)}$$

Sequence: A257440
Score: 5.12360
Type of gen. func.: ogf

$$(x^{11} + 2x^{10} + 6x^9 + 7x^8 + 13x^7 + 9x^6 - 17x^5 - 26x^4 - 50x^3 + 3x^2 + 6x + 30) / ((x - 1)(x^2 + x + 1)(x^3 + x - 1))$$

Sequence: A257441
Score: 6.77047
Type of gen. func.: ogf

$$\frac{x^7 + 2x^6 + 7x^5 + 5x^4 - 29x^3 + x^2 - 34x + 36}{(x - 1)(x^3 + x - 1)}$$

Sequence: A257442
Score: 7.93650
Type of gen. func.: ogf

$$\frac{3x^5 + 4x^4 - 33x^3 + 4x^2 - 37x + 39}{(x - 1)(x^3 + x - 1)}$$

Sequence: A257443
Score: 7.93650
Type of gen. func.: ogf

$$\frac{x^5 + 4x^4 - 45x^3 + 6x^2 - 47x + 49}{(x - 1)(x^3 + x - 1)}$$

Sequence: A257444
Score: 4.97087
Type of gen. func.: ogf

$$(2503 f(x) - 4628) (f(x) x^4 - f(x) x^3 - 3 x^4 + f(x) x^2 + 62 x^3 - 2 f(x) x - 6 x^2 + f(x) + 62 x - 65)$$

Sequence: A257444
Score: 8.69903
Type of gen. func.: ogf

$$\frac{3 x^4 - 62 x^3 + 6 x^2 - 62 x + 65}{(x - 1) (x^3 + x - 1)}$$

Sequence: A257445
Score: 4.92189
Type of gen. func.: ogf

$$-(135 + 1483 f(x)) (f(x) x^4 - f(x) x^3 - x^4 + f(x) x^2 + 87 x^3 - 2 f(x) x - 4 x^2 + f(x) + 85 x - 90)$$

Sequence: A257445
Score: 8.78110
Type of gen. func.: ogf

$$\frac{x^4 - 87 x^3 + 4 x^2 - 85 x + 90}{(x - 1) (x^3 + x - 1)}$$

Sequence: A257446
Score: 4.91251
Type of gen. func.: ogf

$$-(313 f(x) + 331) (f(x) x^4 - f(x) x^3 + f(x) x^2 + 125 x^3 - 2 f(x) x - 3 x^2 + f(x) + 122 x - 128$$

)

Sequence: A257446
Score: 8.93722
Type of gen. func.: ogf

$$-\frac{125 x^3 - 3 x^2 + 122 x - 128}{(x - 1) (x^3 + x - 1)}$$

Sequence: A257448
Score: 10.7951
Type of gen. func.: ogf

$$\frac{x^2 + 4 x + 1}{(2 x - 1) (x - 1)^3}$$

Sequence: A257448
Score: 5.47693
Type of gen. func.: ogf

$$(6349 f(x) + 13698)$$

$$(2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 - 5 f(x) x - x^2 + f(x) - 4 x - 1)$$

Sequence: A257448
Score: 9.19584
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 25 x^2 - 2 x - 9}{2 x^4 + 5 x^3 - 9 x^2 + x + 1}$$

Sequence: A257449
Score: 7.42114
Type of gen. func.: lgdogf

$$-\frac{-4 x^{4} - 69 x^{3} - 85 x^{2} + 45 x + 17}{-2 x^{5} - 19 x^{4} + 10 x^{3} + 20 x^{2} - 8 x - 1}$$

Sequence: A257449
Score: 8.58851
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^{2} + 10 x + 1)}{(2 x - 1) (x - 1)^{4}}$$

Sequence: A257450
Score: 7.25062
Type of gen. func.: ogf

$$\frac{x^{4} + 26 x^{3} + 66 x^{2} + 26 x + 1}{(2 x - 1) (x - 1)^{5}}$$

Sequence: A257464
Score: 5.85073
Type of gen. func.: ogf

$$-\frac{x^{6} - x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} - x + 1}{(x^{2} + x + 1) (x + 1)^{2} (x - 1)^{5}}$$

Sequence: A257469
Score: 8.31126
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^{6} - x^{5} + 1}{-x^{7} + x^{6} - x + 1}$$

Sequence: A257476

Score: 8.58152
Type of gen. func.: revegf]

$$\left(\frac{\exp(x)}{x^2+1} - 1\right) \left(\exp(-x)\, x^2 + \exp(-x)\right)$$

Sequence: A257487
Score: 10.9546
Type of gen. func.: ogf

$$-\frac{8 x^2 - 15 x + 4}{(x^2 - 4 x + 1) (x - 1)}$$

Sequence: A257487
Score: 5.85502
Type of gen. func.: ogf

$$(134 f(x) + 433) (f(x) x^3 - 5 f(x) x^2 + 5 f(x) x + 8 x^2 - f(x) - 15 x + 4)$$

Sequence: A257487
Score: 6.01048
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 5 a(n + 1) + a(n), a(0) = 4, a(1) = 5, a(2) = 13\}$$

Sequence: A257487
Score: 6.46842
Type of gen. func.: lgdogf

$$-\frac{-8 x^4 + 30 x^3 - 47 x^2 + 24 x - 5}{-8 x^5 + 55 x^4 - 119 x^3 + 103 x^2 - 35 x + 4}$$

Sequence: A257516
Score: 11.89
Type of gen. func.: ogf

$$f(x)^2 x^2 + f(x) x^3 - x^3 - f(x) + 1$$

Sequence: A257517
Score: 15.1314
Type of gen. func.: ogf

$$-f(x)^2 x^2 - 2 f(x) x^3 + 2 x^3 + f(x) - 1$$

Sequence: A257520
Score: 4.58245
Type of gen. func.: ogf

$$3 f(x)^2 x^4 - 4 f(x)^2 x^3 - 2 f(x)^2 x^2 + 3 f(x) x^3 + 4 f(x)^2 x - f(x) x^2 - f(x)^2 - 3 f(x) x + x^2 + f(x)$$

Sequence: A257542
Score: 13.2019
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 + 2 x^2 - 2 x - 1}{(x - 1)^2}$$

Sequence: A257542
Score: 8.28118
Type of gen. func.: ogf

$$(f(x) + 40) (x^4 + f(x) x^2 - x^3 - 2 f(x) x + 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A257542
Score: 9.48886
Type of gen. func.: lgdogf

$$-\frac{2 x^4 - 5 x^3 + 3 x^2 - 2 x + 4}{-x^5 + 2 x^4 - 3 x^3 + 4 x^2 - x - 1}$$

Sequence: A257543
Score: 15.4080
Type of gen. func.: ogf

$$\frac{1}{(x-1)(x+1)(x^2+1)(x^2-x+1)(x^3-x-1)}$$

Sequence: A257543
Score: 9.12313
Type of gen. func.: lgdogf

$$-\frac{-9x^8+8x^7+5x^4}{-x^9+x^8+x^5-1}$$

Sequence: A257548
Score: 12.0981
Type of gen. func.: ogf

$$-\frac{(x-1)(x^4-2x^2-x-1)}{2x-1}$$

Sequence: A257557
Score: 13.9303
Type of gen. func.: ogf

$$\frac{x-1}{x^5+2x^3+2x-1}$$

Sequence: A257583
Score: 5.25815
Type of gen. func.: ogf

$$\{(16n^2+56n+48)\,a(n+1)-a(n+2),\ a(0)=4,\ a(1)=32\}$$

Sequence: A257589
Score: 3.58342
Type of gen. func.: ogf

$$\{(32 n^2 + 144 n + 160) a(n + 1) + (-4 n^2 - 2 n + 30) a(n + 2) + (-n^2 - 7 n - 12) a(n + 3), a(0) = 1, a(1) = 9, a(2) = 50\}$$

Sequence: A257589
Score: 4.61755
Type of gen. func.: ogf

$$64 f(x)^2 x^4 - 48 f(x)^2 x^3 + 12 f(x)^2 x^2 - 64 f(x) x^3 - f(x)^2 x + 48 f(x) x^2 - 12 f(x) x + 16 x^2 + f(x) + 4 x - 1$$

Sequence: A257595
Score: 5.80076
Type of gen. func.: ogf

$$-\frac{x^3 (x^5 + 3 x^4 + 3 x^3 + 2 x^2 + x + 1)}{(x^3 + x^2 - 1)^3}$$

Sequence: A257600
Score: 3.73763
Type of gen. func.: ogf

$$\{(13 n^2 - 73 n) a(n) + (-108 n^2 - 542 n - 864) a(n + 1) + (147 n^2 + 763 n + 1008) a(n + 2) + (-52 n^2 - 268 n - 336) a(n + 3), a(0) = 4, a(1) = 35, a(2) = 100\}$$

Sequence: A257600
Score: 7.50834
Type of gen. func.: lgdogf

4 3 2

```
               -10 x  + 40 x  - 45 x  - 10 x + 35
      - ------------------------------------------------
            6      5       4       3       2
         -2 x  + 2 x  + 20 x  - 55 x  + 50 x  - 11 x - 4
```

Sequence: A257600
Score: 8.65757
Type of gen. func.: ogf

```
                   5       3       2
                2 x  - 20 x  + 35 x  - 15 x - 4
                -------------------------------
                                  5
                           (x - 1)
```

Sequence: A257601
Score: 8.30298
Type of gen. func.: lgdogf

```
                    4       3       2
               -10 x  + 40 x  - 45 x  - 10 x + 35
          - -----------------------------------------
                 5       4       3       2
            -10 x  + 50 x  - 95 x  + 80 x  - 23 x - 2
```

Sequence: A257601
Score: 8.89006
Type of gen. func.: ogf

```
                    4       3       2
                10 x  - 40 x  + 55 x  - 25 x - 2
                --------------------------------
                                   5
                            (x - 1)
```

Sequence: A257602
Score: 10.6055
Type of gen. func.: lgdogf

```
                    4      3       2
                  -x  - 6 x  - 66 x  - 46 x - 6
                - -----------------------------
                       5       3       2
                     -x  - 20 x  + 20 x  + 1
```

Sequence: A257602
Score: 9.72174

Type of gen. func.: ogf

$$-\frac{x^4 + x^3 + 21 x^2 + x + 1}{(x - 1)^5}$$

Sequence: A257633
Score: 4.52724
Type of gen. func.: ogf

$$\{(-256 n^3 - 1664 n^2 - 3568 n - 2520) a(n + 1) + (27 n^3 + 189 n^2 + 438 n + 336) a(n + 2), a(0) = 1, a(1) = 6\}$$

Sequence: A257633
Score: 6.33814
Type of gen. func.: revogf

$$\left(-128 x^3 - 3 x + 1/2 + \frac{(65536 x^6 + 3072 x^4 - 512 x^3 + 144 x^2 - 12 x + 1)^{1/2}}{2}\right) x$$

Sequence: A257637
Score: 8.50713
Type of gen. func.: ogf

$$-\frac{x (x^9 - 2 x^8 + 3 x^7 - x^6 - x^4 - x^2 - 1)}{(x - 1)^2}$$

Sequence: A257640
Score: 11.1492
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^5 - 2 x^4 + 2 x^3 - 4 x^2 + 2 x - 2}{-x^6 + 1}$$

Sequence: A257645
Score: 15.8824
Type of gen. func.: lgdogf

$$-\frac{x+29}{x^2+13x-14}$$

Sequence: A257645
Score: 17.6088
Type of gen. func.: ogf

$$\frac{x+14}{(x-1)^2}$$

Sequence: A257645
Score: 9.10118
Type of gen. func.: ogf

$$(30 f(x) + 421) (f(x) x^2 - 2 f(x) x + f(x) - x - 14)$$

Sequence: A257645
Score: 9.64290
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 14, a(1) = 29\}$$

Sequence: A257651
Score: 6.24647
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3x^6 - x^5 - 6x^4 - 2x^3 - 4x^2 - 2}{x^7 + x^6 + 2x^5 + 2x^4 + 2x^3 + 2x^2 + x + 1}$$

Sequence: A257653
Score: 6.39512
Type of gen. func.: ogf_with_Euler_transform]

```
                 11      9      8      7      5      3      2
              3 x   + 3 x  - 2 x  + 3 x  + 5 x  + 3 x  - 2 x  + 3 x
            - -----------------------------------------------------
                                      12
                                    -x   + 1
```

Sequence: A257656
Score: 5.27858
Type of gen. func.: ogf_with_Euler_transform]

```
                    9    8      7    6      5    3    2
                 4 x  - x  - 2 x  - x  + 5 x  + x  - x  + 2 x - 1
               - ------------------------------------------------
                             10    8    6    4    2
                           -x   + x  - x  + x  - x  + 1
```

Sequence: A257657
Score: 5.22522
Type of gen. func.: ogf_with_Euler_transform]

```
          11      10    9    8    7      6      5      4    3    2
        -x   - 3 x   - x  - x  - x  - 3 x  - 2 x  - 3 x  - x  - x  - x - 3
      - ------------------------------------------------------------------
                                      12
                                     x   - 1
```

Sequence: A257666
Score: 5.94759
Type of gen. func.: ogf

```
                     9    8      6      5      4    3
                    x  + x  - 2 x  - 3 x  - 2 x  + x  - x - 1
                  - -----------------------------------------
                                8    5      4    3
                      (x + 1) (x  - x  - 2 x  - x  - x + 1)
```

Sequence: A257708
Score: 8.10251
Type of gen. func.: ogf

```
                          2                2
                        (x  + 4 x + 5) (2 x  - 2 x - 5)
                     --------------------------------------
                               2              2
                     (x - 1) (x  + 2 x - 1) (x  - 2 x - 1)
```

Sequence: A257709
Score: 4.75008
Type of gen. func.: ogf

$$(2 x^{12} + x^{11} + 6 x^{10} + 2 x^{9} + 5 x^{8} + 2 x^{7} - 14 x^{6} - 9 x^{5} - 50 x^{4} - 14 x^{3} - 25 x^{2} - 6 x - 8) / ((x - 1) (x^{12} - 10 x^{6} + 1))$$

Sequence: A257711
Score: 6.67829
Type of gen. func.: ogf

$$- \frac{21 (x^{4} - 245 x^{2} + 156 x + 10)}{(x - 1) (x^{2} - 16 x + 1) (x^{2} + 16 x + 1)}$$

Sequence: A257712
Score: 5.11738
Type of gen. func.: ogf

$$- \frac{12 (3 x^{8} + 7 x^{6} + 13 x^{5} - 3387 x^{4} + 2312 x^{3} + 75 x^{2} + 13 x + 10)}{(x - 1) (x^{2} + 6 x + 1) (x^{2} - 6 x + 1) (x^{4} + 34 x^{2} + 1)}$$

Sequence: A257713
Score: 4.95212
Type of gen. func.: ogf

$$- \frac{15 (8 x^{8} - 5 x^{7} + 5 x^{5} - 11445 x^{4} + 7595 x^{3} + 1444 x^{2} + 385 x + 99)}{(x - 1) (x^{2} + 6 x - 1) (x^{2} - 6 x - 1) (x^{4} + 38 x^{2} + 1)}$$

Sequence: A257721
Score: 3.96645
Type of gen. func.: ogf

$\{-a(n + 3) + 1155 a(n + 2) - 1155 a(n + 1) + a(n), a(0) = 703, a(1) = 810901,$

$a(2) = 935778691\}$

Sequence: A257721
Score: 7.32692
Type of gen. func.: ogf

$$-\frac{x^2 - 1064 x + 703}{(x - 1) (x^2 - 1154 x + 1)}$$

Sequence: A257723
Score: 4.62915
Type of gen. func.: ogf

$$-\frac{2 (473 x^4 + 1620 x^3 - 17683432 x^2 + 14982300 x + 23639)}{(x - 1) (x^2 + 194 x + 1) (x^2 - 194 x + 1)}$$

Sequence: A257761
Score: 5.39232
Type of gen. func.: ogf

$-(1266650 f(x) + 32157211)$

$$(f(x) x^4 - 48 f(x) x^2 + 92 x^3 + 138 x^2 + f(x) - 138 x - 92)$$

Sequence: A257761
Score: 9.36165
Type of gen. func.: ogf

$$-\frac{46 (x - 1) (2 x + 1) (x + 2)}{x^4 - 48 x^2 + 1}$$

Sequence: A257765
Score: 7.27480
Type of gen. func.: ogf

$$-\frac{39 (x^5 + x^4 + 5 x^3 - 61 x^2 - 41 x - 5)}{x^6 - 102 x^3 + 1}$$

Sequence: A257767
Score: 4.79193
Type of gen. func.: ogf

$$-11\left(8x^{11}+5x^{10}+5x^{9}+8x^{8}+13x^{7}+23x^{6}-328x^{5}-127x^{4}-103x^{3}-40x^{2}-23x-13\right)\Big/\left(x^{12}-46x^{6}+1\right)$$

Sequence: A257780
Score: 5.43665
Type of gen. func.: ogf

$$(124610136\,f(x)-702351071)\left(f(x)\,x^{4}-96\,f(x)\,x^{2}+94x^{3}+94x^{2}+f(x)-5170x-3854\right)$$

Sequence: A257780
Score: 9.25700
Type of gen. func.: ogf

$$-\frac{94\left(x^{3}+x^{2}-55x-41\right)}{x^{4}-96x^{2}+1}$$

Sequence: A257781
Score: 5.08997
Type of gen. func.: ogf

$$-5\left(39x^{11}+31x^{10}+27x^{9}+23x^{8}+21x^{7}+21x^{6}-211x^{5}-159x^{4}-131x^{3}-99x^{2}-77x-49\right)\Big/\left(\left(x^{6}+2x^{3}-1\right)\left(x^{6}-2x^{3}-1\right)\right)$$

Sequence: A257787
Score: 3.43559
Type of gen. func.: ogf

$$-(f(x)\, x^2 - 2\, f(x)\, x + f(x) - 1)^2$$

Sequence: A257792
Score: 13.1004
Type of gen. func.: ogf

$$-\frac{1}{(x^2 + x + 1)\,(x^7 - 2\,x^6 + x^5 + x^4 - x^3 + 2\,x - 1)}$$

Sequence: A257811
Score: 9.06929
Type of gen. func.: ogf

$$-(6\,x^{11} + 11\,x^{10} + 4\,x^9 + 9\,x^8 + 2\,x^7 + 7\,x^6 + 12\,x^5 + 5\,x^4 + 10\,x^3 + 3\,x^2 + 8\,x + 1) \Big/ ((x - 1)\,(x + 1)\,(x^2 + x + 1)\,(x^2 - x + 1)\,(x^2 + 1)\,(x^4 - x^2 + 1))$$

Sequence: A257823
Score: 5.96426
Type of gen. func.: ogf

$$-\frac{59\,(x - 1)\,(7\,x^6 + 16\,x^5 + 163\,x^4 + 354\,x^3 + 163\,x^2 + 16\,x + 7)}{x^8 - 1060\,x^4 + 1}$$

Sequence: A257826
Score: 5.79202
Type of gen. func.: ogf

$$-\frac{22\,(11\,x^7 + 11\,x^6 + 101\,x^5 + 115\,x^4 - 2545\,x^3 - 1789\,x^2 - 115\,x - 101)}{x^8 - 394\,x^4 + 1}$$

Sequence: A257828

Score: 4.86880
Type of gen. func.: ogf

$$-\frac{679 (x - 1) (x^4 + 2277 x^3 + 5415742 x^2 + 2277 x + 1)}{x^6 - 125619266 x^3 + 1}$$

Sequence: A257838
Score: 3.88314
Type of gen. func.: ogf

$$\{(4 n^2 + 18 n + 20) a(n + 1) + (15 n^2 + 67 n + 76) a(n + 2) + (-8 n^2 - 38 n - 36) a(n + 3) + (n^2 + 5 n + 4) a(n + 4), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 16\}$$

Sequence: A257838
Score: 7.1292
Type of gen. func.: ogf

$$-4 f(x)^2 x^3 - 15 f(x)^2 x^2 + 8 f(x)^2 x - 4 f(x) x^2 - f(x)^2 - 3 f(x) x + f(x) - x$$

Sequence: A257844
Score: 11.1590
Type of gen. func.: ogf

$$\frac{x^5 (3 x^2 + 2 x + 1)}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A257845
Score: 10.0352
Type of gen. func.: ogf

$$\frac{x^6 (4 x^3 + 3 x^2 + 2 x + 1)}{(x^4 + x^3 + x^2 + x + 1)^2 (x - 1)^2}$$

Sequence: A257846
Score: 8.89198
Type of gen. func.: ogf

$$\frac{x^{7}\,(5\,x^{4}+4\,x^{3}+3\,x^{2}+2\,x+1)}{(x-1)^{2}\,(x+1)^{2}\,(x^{2}+x+1)^{2}\,(x^{2}-x+1)^{2}}$$

Sequence: A257847
Score: 7.66805
Type of gen. func.: ogf

$$\frac{x^{8}\,(6\,x^{5}+5\,x^{4}+4\,x^{3}+3\,x^{2}+2\,x+1)}{(x-1)^{2}\,(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)^{2}}$$

Sequence: A257848
Score: 7.03550
Type of gen. func.: ogf

$$\frac{x^{9}\,(7\,x^{6}+6\,x^{5}+5\,x^{4}+4\,x^{3}+3\,x^{2}+2\,x+1)}{(x-1)^{2}\,(x+1)^{2}\,(x^{2}+1)^{2}\,(x^{4}+1)^{2}}$$

Sequence: A257849
Score: 7.42184
Type of gen. func.: ogf

$$\frac{x^{10}\,(8\,x^{7}+7\,x^{6}+6\,x^{5}+5\,x^{4}+4\,x^{3}+3\,x^{2}+2\,x+1)}{(x-1)^{2}\,(x^{2}+x+1)^{2}\,(x^{6}+x^{3}+1)^{2}}$$

Sequence: A257850
Score: 6.78777
Type of gen. func.: ogf

```
  11     8      7      6      5      4      3      2
 x   (9 x  + 8 x  + 7 x  + 6 x  + 5 x  + 4 x  + 3 x  + 2 x + 1)
-----------------------------------------------------------------
       2        2   4    3    2         2   4    3    2         2
```

$$(x - 1)\ (x + 1)\ (x + x + x + x + 1)\ (x - x + x - x + 1)$$

Sequence: A257859
Score: 3.22775
Type of gen. func.: ogf

$$\{(-2 - n)\ a(n + 1) + (2 n^2 + 11 n + 18)\ a(n + 2) + (-4 n^2 - 31 n - 58)\ a(n + 3) + (8 + 2 n)\ a(n + 4),\ a(0) = 2,\ a(1) = 1,\ a(2) = 1,\ a(3) = 4\}$$

Sequence: A257863
Score: 10.3516
Type of gen. func.: lgdogf

$$-\frac{-6 x^5 + 5 x^4 - 2 x - 1}{-x^6 + x^5 - x^2 - x + 1}$$

Sequence: A257863
Score: 18.4028
Type of gen. func.: ogf

$$-\frac{1}{x^6 - x^5 + x^2 + x - 1}$$

Sequence: A257873
Score: 4.59823
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3 x^{11} + 2 x^{10} - x^9 + 4 x^7 + 2 x^6 + 2 x^4 + x^3 + 2 x + 2}{-x^{12} + x^{10} - x^8 + x^4 - x^2 + 1}$$

Sequence: A257890
Score: 5.20675
Type of gen. func.: ogf

$$\{(n + 9)\ a(n + 1) + (-3 n - 22)\ a(n + 2) + (8 + 2 n)\ a(n + 3),\ a(0) = 3,$$

a(1) = 12, a(2) = 34}

Sequence: A257890
Score: 7.65992
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1)(x^2 - 3x + 3)}{(x - 1)^6}$$

Sequence: A257890
Score: 7.88745
Type of gen. func.: lgdogf

$$-\frac{-2x^4 + 8x^3 - 16x^2 + 16x - 12}{-x^5 + 5x^4 - 11x^3 + 13x^2 - 9x + 3}$$

Sequence: A257919
Score: 6.06758
Type of gen. func.: ogf

$$-\frac{1080x^3 - 453x^2 + 4x - 7}{(27x - 1)(9x - 1)(3x - 1)^2 (x - 1)^2}$$

Sequence: A257920
Score: 7.25894
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^4 - 2x^3 + 5x^2 - 3x + 2}{-x^5 - x^3 - x^2 - 1}$$

Sequence: A257925
Score: 6.51396
Type of gen. func.: ogf

$$\frac{(x+1)(x^3-3x^2-9x-1)}{(x-1)^5}$$

Sequence: A257931
Score: 4.90605
Type of gen. func.: ogf

$$\frac{x(x^2+x+1)(x^4+x^3+x^2+x+1)(x-1)^2}{(x^2-x+1)(x^8-x^4+1)}$$

Sequence: A257932
Score: 15.3612
Type of gen. func.: ogf

$$\frac{1}{(x-1)(x+1)(x^2+x+1)(x^3-x^2+2x-1)}$$

Sequence: A257932
Score: 9.12074
Type of gen. func.: lgdogf

$$-\frac{-7x^6-5x^4+3x^2+2x+1}{-x^7-x^5+x^3+x^2+x-1}$$

Sequence: A257934
Score: 13.3800
Type of gen. func.: ogf

$$\frac{1}{(x-1)(x+1)(x^2+1)(x^3+x^2+x-1)}$$

Sequence: A257936
Score: 10.9787
Type of gen. func.: ogf

$$\{a(n+2) - a(n+1), a(0) = 6, a(1) = 1\}$$

Sequence: A257936
Score: 17.5659
Type of gen. func.: ogf

$$-f(x)\,x + f(x) + 5\,x - 6$$

Sequence: A257936
Score: 21.3639
Type of gen. func.: ogf

$$\frac{-6 + 5\,x}{x - 1}$$

Sequence: A257936
Score: 21.3639
Type of gen. func.: lgdogf

$$-\frac{1}{-5\,x^2 + 11\,x - 6}$$

Sequence: A257939
Score: 7.17707
Type of gen. func.: ogf

$$-\frac{2\,x\,(3\,x^3 + 19\,x^2 + 57\,x + 1)}{(x - 1)\,(x^2 + 18\,x + 1)\,(x^2 - 18\,x + 1)}$$

Sequence: A257940
Score: 7.09765
Type of gen. func.: ogf

$$\frac{x\,(3\,x^3 + 17\,x^2 - 51\,x - 1)}{(x - 1)\,(x^2 + 18\,x + 1)\,(x^2 - 18\,x + 1)}$$

Sequence: A257942
Score: 6.14903
Type of gen. func.: ogf

$$-\frac{x^6+9x^4-8x^3+9x^2+1}{(x-1)^3(x^2+1)^3}$$

Sequence: A257956
Score: 2.95936
Type of gen. func.: ogf

$$-(710427 f(x) + 529903)$$

$$(2 f(x) x^4 + 4 f(x) x^3 - f(x) x^2 - 3 f(x) x - 5 x^2 + f(x) - 3 x - 1)$$

Sequence: A257956
Score: 6.13316
Type of gen. func.: ogf

$$\frac{5x^2+3x+1}{(2x^2+2x-1)(x^2+x-1)}$$

Sequence: A257970
Score: 13.1886
Type of gen. func.: lgdogf

$$-\frac{-6x^2-2}{3x^3-x^2-3x+1}$$

Sequence: A257970
Score: 14.9305
Type of gen. func.: ogf

$$(x+1)(x-1)^2$$

```
                        - ----------------
                             3 x - 1
```

Sequence: A257970
Score: 8.15790
Type of gen. func.: ogf

$$\{-a(n + 4) + 3 a(n + 3), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 16\}$$

Sequence: A257970
Score: 8.69576
Type of gen. func.: ogf

$$-(199 f(x) - 108) (x^3 + 3 f(x) x - x^2 - f(x) - x + 1)$$

Sequence: A257984
Score: 8.23582
Type of gen. func.: ogf

$$\frac{x^7 + 3 x^6 + 3 x^5 + 4 x^4 + 3 x^3 + 3 x^2 + 3 x + 2}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A258000
Score: 9.68878
Type of gen. func.: ogf

$$-\frac{1}{x^9 - x^7 - x^6 - x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A258011
Score: 7.81219
Type of gen. func.: ogf

$$(5 x^{12} + 4 x^{11} + 2 x^{10} + 4 x^9 + 2 x^8 + 4 x^7 + 6 x^6 + 2 x^5 + 4 x^4 + 2 x^3 + 4 x^2 + 2 x + 1) \Big/ ((x + 1) (x^4 - x^2 + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1))$$

$$(x-1)^2)$$

Sequence: A258016
Score: 10.4935
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+2)+a(n+1)-a(n),\ a(0)=19,\ a(1)=39,\ a(2)=61\}$$

Sequence: A258016
Score: 13.8707
Type of gen. func.: lgdogf

$$-\frac{3x^3+43x^2+83x+39}{3x^4+20x^3+16x^2-20x-19}$$

Sequence: A258016
Score: 19.1548
Type of gen. func.: ogf

$$\frac{3x^2+20x+19}{(x+1)(x-1)^2}$$

Sequence: A258016
Score: 9.97311
Type of gen. func.: ogf

$$(11865 f(x) - 86059) (f(x) x^3 - f(x) x^2 - f(x) x - 3 x^2 + f(x) - 20 x - 19)$$

Sequence: A258049
Score: 6.59586
Type of gen. func.: ogf

$$-\frac{x^{21}-x^{20}+x^{19}-x^{18}-x^9+2x^8-x^7-x^4+x^3-x^2-1}{(x-1)^2}$$

Sequence: A258050
Score: 7.53485
Type of gen. func.: ogf

$$\frac{x^{20} - x^{19} + x^{17} - x^{16} - x^{7} + 2 x^{6} - x^{5} - x^{2} + 3}{(x - 1)^{2}}$$

Sequence: A258054
Score: 9.06929
Type of gen. func.: ogf

$$- (8 x^{11} + 3 x^{10} + 10 x^{9} + 5 x^{8} + 12 x^{7} + 7 x^{6} + 2 x^{5} + 9 x^{4} + 4 x^{3} + 11 x^{2} + 6 x + 1) / ((x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1))$$

Sequence: A258056
Score: 5.39168
Type of gen. func.: ogf

$$(7 x^{14} + 14 x^{13} + 28 x^{12} + 56 x^{11} + 112 x^{10} + 224 x^{9} + 21 x^{8} + 42 x^{7} + 84 x^{6} + 28 x^{5} + 56 x^{4} - 265 x^{3} - 113 x^{2} - 226 x - 75) / ((x - 1) (x^{2} + x + 1))$$

Sequence: A258065
Score: 10.7530
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-4 x^{5} - 2 x^{3} - 4 x^{2} - 2 x}{x^{6} - 1}$$

Sequence: A258069
Score: 43.2800

```
Type of gen. func.: lgdogf

                                         2
                                       ------
                                       -x + 1



------------------------------------------------------------------------------

Sequence:  A258069
Score: 92.9931
Type of gen. func.: ogf_with_Euler_transform]

                                        [2]



------------------------------------------------------------------------------

Sequence:  A258070
Score: 10.2102
Type of gen. func.: ogf

               {a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 1}



------------------------------------------------------------------------------

Sequence:  A258070
Score: 14.0173
Type of gen. func.: ogf

                                  2
                           -f(x) x  + 2 f(x) x - f(x) + x



------------------------------------------------------------------------------

Sequence:  A258070
Score: 25.0613
Type of gen. func.: ogf

                                         x
                                      --------
                                             2
                                      (x - 1)



------------------------------------------------------------------------------

Sequence:  A258070
Score: 29.5366
Type of gen. func.: lgdogf

                                         2
                                       ------
                                       -x + 1



------------------------------------------------------------------------------
```

Sequence: A258070
Score: 63.3938
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A258071
Score: 10.2102
Type of gen. func.: ogf

{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 1}

Sequence: A258071
Score: 14.0173
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + x$$

Sequence: A258071
Score: 25.0613
Type of gen. func.: ogf

$$\frac{x}{(x - 1)^2}$$

Sequence: A258071
Score: 29.5366
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A258071
Score: 63.3938
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A258073
Score: 12.4204
Type of gen. func.: ogf

$$-\frac{157116 x - 157115}{(2 x - 1) (x - 1)}$$

Sequence: A258073
Score: 5.99228
Type of gen. func.: ogf

$$-(314227 f(x) + 49370089336) (2 f(x) x^2 - 3 f(x) x + f(x) + 157116 x - 157115)$$

Sequence: A258073
Score: 6.90020
Type of gen. func.: lgdogf

$$-\frac{-314232 x^2 + 628460 x - 314229}{-314232 x^3 + 785578 x^2 - 628461 x + 157115}$$

Sequence: A258073
Score: 7.42522
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 157115, a(1) = 314229\}$$

Sequence: A258085
Score: 9.56929
Type of gen. func.: ogf

$$-\frac{x (x^6 + x^5 + x^4 - x^2 - 2 x - 1)}{(x - 1) (x + 1) (x^4 + x^2 - 1)}$$

Sequence: A258087
Score: 8.91637
Type of gen. func.: ogf

$$\frac{x^2 (x^3 - x^2 - 2 x - 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A258087
Score: 9.42298
Type of gen. func.: lgdogf

$$- \frac{-2 x^4 + 2 x^3 + 6 x^2 + 9 x + 3}{-x^5 + x^4 + 3 x^3 - 2 x - 1}$$

Sequence: A258089
Score: 11.1065
Type of gen. func.: ogf

$$\frac{x (2 x + 1) (4 x - 1)}{x^4 + 2 x^3 + 3 x^2 + 4 x - 1}$$

Sequence: A258089
Score: 5.70969
Type of gen. func.: ogf

$$(97907 f(x) - 308691)$$

$$(f(x) x^4 + 2 f(x) x^3 + 3 f(x) x^2 - 8 x^3 + 4 f(x) x - 2 x^2 - f(x) + x)$$

Sequence: A258089
Score: 6.81325
Type of gen. func.: lgdogf

$$- \frac{-16 x^5 - 22 x^4 - 4 x^3 + 32 x^2 - 10 x + 2}{-8 x^6 - 18 x^5 - 27 x^4 - 36 x^3 + 3 x^2 + 6 x - 1}$$

Sequence: A258090

Score: 9.73765
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4x^3+2x^2-2}{x^4-x^3+x-1}$$

Sequence: A258093
Score: 15.1388
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x+1}{-x^2+x-1}$$

Sequence: A258096
Score: 6.56272
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4x^6+2x^5+x^4-x^3+5x^2+3x+2}{-x^7-x^6-x^5-x^4-x^3-x^2-x-1}$$

Sequence: A258109
Score: 12.1223
Type of gen. func.: lgdogf

$$-\frac{6x^2-14x+5}{2x^3-7x^2+5x-1}$$

Sequence: A258109
Score: 21.2959
Type of gen. func.: ogf

$$-\frac{1}{(2x-1)(x^2-3x+1)}$$

Sequence: A258109
Score: 6.97299
Type of gen. func.: ogf

```
  {a(n + 3) - 5 a(n + 2) + 7 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 5, a(2) = 18}
```

Sequence: A258109
Score: 7.57642
Type of gen. func.: ogf

```
                                   3            2
        (5695 f(x) - 508) (2 f(x) x  - 7 f(x) x  + 5 f(x) x - f(x) + 1)
```

Sequence: A258121
Score: 13.4375
Type of gen. func.: ogf

```
                                            2
                                  (x - 2) (x  + 1)
                                - ----------------
                                      2
                                     x  - 3 x + 1
```

Sequence: A258121
Score: 7.06628
Type of gen. func.: ogf

```
 {-a(n + 4) + 3 a(n + 3) - a(n + 2), a(0) = 2, a(1) = 5, a(2) = 15, a(3) = 39}
```

Sequence: A258121
Score: 7.66064
Type of gen. func.: ogf

```
                              2    3                   2
        -(27 f(x) + 46) (f(x) x  + x  - 3 f(x) x - 2 x  + f(x) + x - 2)
```

Sequence: A258121
Score: 8.90966
Type of gen. func.: lgdogf

```
                                 4      3      2
                                x  - 6 x  + 8 x  - 5
                       - ----------------------------------
                            5      4      3      2
```

$$-x + 5 x - 8 x + 7 x - 7 x + 2$$

Sequence: A258130
Score: 4.00238
Type of gen. func.: ogf

$$\{-a(n + 3) + 1443 a(n + 2) - 1443 a(n + 1) + a(n), a(0) = 1045, a(1) = 1325345, a(2) = 1910970885\}$$

Sequence: A258130
Score: 6.97850
Type of gen. func.: ogf

$$-\frac{95 (63 x^2 - 1922 x + 11)}{(x - 1) (x^2 - 1442 x + 1)}$$

Sequence: A258131
Score: 5.34606
Type of gen. func.: ogf

$$-\frac{11 (95 x^4 - 64 x^3 - 37550 x^2 + 27136 x + 4515)}{(x - 1) (x^2 + 20 x + 1) (x^2 - 20 x + 1)}$$

Sequence: A258133
Score: 4.51618
Type of gen. func.: ogf

$$\frac{x^9 - x^7 - x^6 + x^4 - x^3 + x + 1}{(x^2 - x + 1) (x^2 + x + 1)^2 (x + 1)^2 (x - 1)^2}$$

Sequence: A258160
Score: 12.3743
Type of gen. func.: lgdogf

$$-x^2 + 4 x + 1$$

$$-\frac{}{-x^{3}+x^{2}+3\,x-2}$$

Sequence: A258160
Score: 17.2165
Type of gen. func.: ogf

$$\frac{8\,(x-2)}{x^{2}+x-1}$$

Sequence: A258160
Score: 9.10296
Type of gen. func.: ogf

$$(5\,f(x)-78)\,(f(x)\,x^{2}+f(x)\,x-f(x)-8\,x+16)$$

Sequence: A258160
Score: 9.54166
Type of gen. func.: ogf

$$\{-a(n+2)+a(n+1)+a(n),\ a(0)=16,\ a(1)=8\}$$

Sequence: A258196
Score: 8.85626
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2\,x^{5}-x^{3}-2\,x^{2}-x}{x^{6}-1}$$

Sequence: A258199
Score: 16.1610
Type of gen. func.: ogf

$$-\frac{x\,(14\,x^{17}+3\,x^{3}+1)}{x-1}$$

Sequence: A258210
Score: 7.20334
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^{5} + x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 1}{-x^{6} + 1}$$

Sequence: A258225
Score: 6.61793
Type of gen. func.: ogf

$$\frac{100 x^{30} - 100 x^{29} - 100 x^{12} + 70 x^{11} - 30 x^{10} + 60 x^{9} - 3 x^{2} - 3 x + 7}{(x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A258228
Score: 4.32357
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^{11} - x^{10} + 3 x^{9} - 2 x^{8} + 2 x^{7} - x^{6} + 4 x^{5} - x^{4} + 2 x^{3} - 2 x^{2} + 3 x - 1}{-x^{12} + 1}$$

Sequence: A258272
Score: 4.61592
Type of gen. func.: ogf

$$\frac{100 x^{7} + 50 x^{6} + 30 x^{5} + 10 x^{4} + 5 x^{3} + 3 x^{2} + x + 1}{(x - 1)^{2}}$$

Sequence: A258274
Score: 6.79196
Type of gen. func.: ogf

$$50 x^{8} + 25 x^{7} + 15 x^{6} + 5 x^{5} + 4 x^{4} + 1$$

$$(x - 1)^2$$

Sequence: A258277
Score: 8.73890
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^5 - x^4 - 2 x^2 - 1}{x^6 - 1}$$

Sequence: A258278
Score: 8.83590
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^3 + 2 x - 2}{x^4 - x^3 + x - 1}$$

Sequence: A258279
Score: 8.08991
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^5 + 2 x^4 - 2 x^3 - 2 x + 2}{x^6 - 1}$$

Sequence: A258291
Score: 8.79471
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^5 - x^4 - 2 x^3 - 2 x - 1}{x^6 - 1}$$

Sequence: A258313
Score: 13.1168
Type of gen. func.: revogf

$$-\frac{4x^5 - 4x^3 + x}{-2x^2 - 3x - 1}$$

Sequence: A258321
Score: 10.6661
Type of gen. func.: ogf

$$-\frac{x(2x + 1)(x - 2)}{(x^2 + x - 1)^2}$$

Sequence: A258321
Score: 5.68337
Type of gen. func.: ogf

$$-(5 f(x) + 7)$$

$$(f(x) x^4 + 2 f(x) x^3 - f(x) x^2 + 2 x^3 - 2 f(x) x - 3 x^2 + f(x) - 2 x)$$

Sequence: A258321
Score: 9.73278
Type of gen. func.: lgdogf

$$-\frac{-4x^3 + 9x^2 + 7x + 7}{-2x^4 + x^3 + 7x^2 - x - 2}$$

Sequence: A258329
Score: 4.78113
Type of gen. func.: ogf

$$-(80x^{16} - 40x^{15} + 60x^{14} - 50x^{13} - 40x^{12} + 60x^{11} - 50x^{10} - 20x^9 + 7x^6$$

$$- 3x^5 - 3x^4 + 7x^3 - 3x^2 - 3x - 3) \Big/ \Big($$

$$(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2\Big)$$

Sequence: A258340
Score: 12.6953
Type of gen. func.: ogf

$$\frac{4 x - 1}{(x - 1) (3 x - 1) (7 x - 1)}$$

Sequence: A258340
Score: 6.12878
Type of gen. func.: ogf

{a(n + 3) - 11 a(n + 2) + 31 a(n + 1) - 21 a(n), a(0) = 1, a(1) = 7, a(2) = 46}

Sequence: A258340
Score: 6.40486
Type of gen. func.: ogf

$$(1501 f(x) + 203) (21 f(x) x^3 - 31 f(x) x^2 + 11 f(x) x - f(x) - 4 x + 1)$$

Sequence: A258340
Score: 7.89932
Type of gen. func.: lgdogf

$$- \frac{168 x^3 - 187 x^2 + 62 x - 7}{84 x^4 - 145 x^3 + 75 x^2 - 15 x + 1}$$

Sequence: A258341
Score: 10.7627
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^3 + 6 x^2 + 4 x + 2}{x^6 - 3 x^4 + 3 x^2 - 1}$$

Sequence: A258342
Score: 8.08330
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-6x^4-24x^3-36x^2-18x-6}{x^8-4x^6+6x^4-4x^2+1}$$

Sequence: A258343
Score: 8.59854
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^4+4x^3+6x^2+3x+1}{-x^8+4x^6-6x^4+4x^2-1}$$

Sequence: A258344
Score: 10.2171
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^4-4x^3-6x^2-2x}{-x^6+3x^4-3x^2+1}$$

Sequence: A258345
Score: 7.65270
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{6x^6+18x^5+36x^4+24x^3+6x^2}{-x^8+4x^6-6x^4+4x^2-1}$$

Sequence: A258346
Score: 8.06368
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^6+3x^5+6x^4+4x^3+x^2}{-x^8+4x^6-6x^4+4x^2-1}$$

Sequence: A258347
Score: 18.6433
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{2}{-x^3 + 3x^2 - 3x + 1}$$

Sequence: A258348
Score: 17.7156
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{2x}{-x^3 + 3x^2 - 3x + 1}$$

Sequence: A258349
Score: 19.8405
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x}{-x^3 + 3x^2 - 3x + 1}$$

Sequence: A258350
Score: 15.5011
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{6}{-x^4 + 4x^3 - 6x^2 + 4x - 1}$$

Sequence: A258351
Score: 14.5032
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{6x^2}{-x^4 + 4x^3 - 6x^2 + 4x - 1}$$

Sequence: A258352
Score: 14.7581
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^2}{-x^4 + 4 x^3 - 6 x^2 + 4 x - 1}$$

Sequence: A258386
Score: 13.6835
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^2 + 3 x}{-x^3 + x^2 + x - 1}$$

Sequence: A258390
Score: 3.89668
Type of gen. func.: ogf

$$\{(-32 n^2 - 256 n - 504) a(n + 1) + (12 n^2 + 114 n + 270) a(n + 2)$$

$$+ (-n^2 - 11 n - 30) a(n + 3), a(0) = 2, a(1) = 15, a(2) = 98\}$$

Sequence: A258402
Score: 4.31959
Type of gen. func.: ogf

$$\{(7 n^2 + 50 n + 72) a(n + 1) + (-24 n^2 - 152 n - 200) a(n + 2)$$

$$+ (17 n^2 + 62 n + 56) a(n + 3), a(0) = 0, a(1) = 11, a(2) = 72\}$$

Sequence: A258402
Score: 8.59274
Type of gen. func.: ogf

$$-\frac{x (3 x^3 - 7 x^2 + 17 x + 11)}{(x - 1)^5}$$

Sequence: A258402
Score: 9.29215
Type of gen. func.: lgdogf

$$-\frac{6 x^{3} - 12 x^{2} + 54 x + 72}{3 x^{4} - 10 x^{3} + 24 x^{2} - 6 x - 11}$$

Sequence: A258431
Score: 5.28586
Type of gen. func.: ogf

$$64 f(x)^{2} x^{3} - 48 f(x)^{2} x^{2} + 16 f(x) x^{3} + 12 f(x)^{2} x - 8 f(x) x^{2} + x^{3} - f(x)^{2} + f(x) x$$

Sequence: A258431
Score: 5.32309
Type of gen. func.: ogf

$$\{(-16 n - 8) a(n) + (8 n + 6) a(n + 1) + (-n - 1) a(n + 2), a(0) = 0, a(1) = 1, a(2) = 5\}$$

Sequence: A258431
Score: 9.21804
Type of gen. func.: lgdogf

$$\frac{-\frac{8 x + 1}{2 (4 x - 1)^{1/2}} - 1/2 I}{x (4 x - 1)^{1/2}}$$

Sequence: A258439
Score: 11.5543
Type of gen. func.: ogf

$$3 x^{3} + 2 x^{2} - x - 1$$

$$- \frac{}{(3 x^2 - 1) (2 x^2 - 1)}$$

Sequence: A258439
Score: 9.50671
Type of gen. func.: ogf

$$-6 f(x) x^4 + 5 f(x) x^2 - 3 x^3 - 2 x^2 - f(x) + x + 1$$

Sequence: A258440
Score: 11.7821
Type of gen. func.: ogf

$$\frac{2 x^3 + 3 x^2 + 5 x + 3}{(x + 1) (x^2 + x + 1) (x - 1)^4}$$

Sequence: A258470
Score: 4.59880
Type of gen. func.: ogf

$$- \frac{x^7 (x^{10} - x^3 - 1)}{(x^4 - x^3 + x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A258538
Score: 3.63333
Type of gen. func.: ogf

$$- 4 (432 x^8 - 918 x^7 - 183 x^6 + 1473 x^5 - 541 x^4 - 635 x^3 + 350 x^2 + 79 x - 55) / ((x + 1) (3 x - 1) (3 x^2 - 1)^2 (x - 1)^3)$$

Sequence: A258547
Score: 10.6313
Type of gen. func.: ogf

$$-\frac{4\,(2\,x^2-5\,x+4)}{(2\,x-1)\,(x-1)^2}$$

Sequence: A258547
Score: 5.62835
Type of gen. func.: ogf

$$(1793\,f(x)-2424)\,(2\,f(x)\,x^3-5\,f(x)\,x^2+4\,f(x)\,x+8\,x^2-f(x)-20\,x+16)$$

Sequence: A258547
Score: 5.77390
Type of gen. func.: ogf

{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 16, a(1) = 44, a(2) = 104}

Sequence: A258547
Score: 7.78805
Type of gen. func.: lgdogf

$$-\frac{4\,x^3-16\,x^2+25\,x-11}{4\,x^4-16\,x^3+25\,x^2-17\,x+4}$$

Sequence: A258548
Score: 3.82984
Type of gen. func.: ogf

$$(x^{10}-6\,x^9+2\,x^8+12\,x^7-12\,x^6-18\,x^5+43\,x^4+16\,x^3-68\,x^2+64\,x-44)\,/\,((x^6-x^4-x^2-x+1)\,(x-1)^3)$$

Sequence: A258549
Score: 4.13224
Type of gen. func.: ogf

$$(29\,x^{10}-103\,x^9+129\,x^8-67\,x^7+28\,x^6+68\,x^5-156\,x^4+304\,x^3-382\,x^2$$

$$+ 206 x - 104) / ((x + 1) (x^2 + 1) (x - 1)^5)$$

Sequence: A258550
Score: 3.72111
Type of gen. func.: ogf

$$- (14 x^{11} - 136 x^{10} + 357 x^9 - 433 x^8 + 412 x^7 - 128 x^6 - 502 x^5 + 724 x^4 - 897 x^3 + 977 x^2 - 568 x + 228) / ((x + 1) (x^2 + 1) (x - 1)^5)$$

Sequence: A258551
Score: 3.53370
Type of gen. func.: ogf

$$- (3 x^{12} + 50 x^{11} - 368 x^{10} + 778 x^9 - 834 x^8 + 1120 x^7 - 888 x^6 - 579 x^5 + 1428 x^4 - 1987 x^3 + 2259 x^2 - 1414 x + 480) / ((x + 1) (x^2 + 1) (x - 1)^5)$$

Sequence: A258555
Score: 5.29123
Type of gen. func.: ogf

$$\frac{x^9 + 8 x^8 - 5 x^7 + 13 x^6 + 7 x^5 - 52 x^4 + 6 x^3 + 6 x^2 - 20 x + 44}{(x + 1) (x^2 + 1) (x - 1)^4}$$

Sequence: A258556
Score: 5.04604
Type of gen. func.: ogf

$$\frac{6 x^9 + 37 x^8 - 31 x^7 - 7 x^6 + 81 x^5 - 158 x^4 - 25 x^3 + 22 x^2 - 16 x + 104}{(x + 1) (x^2 + 1) (x - 1)^4}$$

Sequence: A258557
Score: 4.58379
Type of gen. func.: ogf

$$\left(40 x^{10} + 16 x^{9} - 28 x^{8} - 37 x^{7} + 35 x^{6} + 248 x^{5} - 312 x^{4} - 113 x^{3} - 28 x^{2} - 32 x + 228\right) \Big/ \left((x + 1) (x^{2} + 1) (x - 1)^{4}\right)$$

Sequence: A258558
Score: 4.09276
Type of gen. func.: ogf

$$\left(108 x^{11} + 88 x^{10} - 230 x^{9} + 214 x^{8} - 309 x^{7} + 245 x^{6} + 441 x^{5} - 849 x^{4} + 109 x^{3} - 163 x^{2} - 111 x + 480\right) \Big/ \left((x + 1) (x^{2} + 1) (x - 1)^{4}\right)$$

Sequence: A258559
Score: 3.81936
Type of gen. func.: ogf

$$\left(72 x^{12} + 277 x^{11} - 36 x^{10} - 488 x^{9} + 724 x^{8} - 1076 x^{7} + 738 x^{6} + 879 x^{5} - 1827 x^{4} + 858 x^{3} - 646 x^{2} - 434 x + 988\right) \Big/ \left((x + 1) (x^{2} + 1) (x - 1)^{4}\right)$$

Sequence: A258582
Score: 11.3414
Type of gen. func.: ogf

$$\frac{x (x^{2} + 10 x + 5)}{(x - 1)^{4}}$$

Sequence: A258582
Score: 12.7162
Type of gen. func.: lgdogf

$$-\frac{-2 x^{2} - 32 x - 30}{-x^{3} - 9 x^{2} + 5 x + 5}$$

Sequence: A258582
Score: 4.19634
Type of gen. func.: ogf

$$\{(15 + 5 n) a(n + 4) + (-20 + 5 n) a(n + 3) + (-41 - 9 n) a(n + 2) + (-2 - n) a(n + 1), a(0) = 0, a(1) = 5, a(2) = 30, a(3) = 91\}$$

Sequence: A258582
Score: 5.7093
Type of gen. func.: ogf

$$-(25696 f(x) + 137769) (f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - x^{3} - 4 f(x) x - 10 x^{2} + f(x) - 5 x)$$

Sequence: A258588
Score: 10.2830
Type of gen. func.: ogf

$$-\frac{4 x^{3} - 4 x^{2} - 10 x - 1}{(x + 1) (x - 1)^{2}}$$

Sequence: A258588
Score: 5.33194
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3) - a(n + 2) + a(n + 1), a(0) = 1, a(1) = 11, a(2) = 16, a(3) = 22\}$$

Sequence: A258588
Score: 5.53702
Type of gen. func.: ogf

$$-(3333 f(x) + 8315)$$

$$(f(x)\,x^{3} - f(x)\,x^{2} + 4\,x^{3} - f(x)\,x - 4\,x^{2} + f(x) - 10\,x - 1)$$

Sequence: A258588
Score: 8.46838
Type of gen. func.: lgdogf

$$-\frac{12\,x^{2} + 21\,x + 11}{-4\,x^{5} + 4\,x^{4} + 14\,x^{3} - 3\,x^{2} - 10\,x - 1}$$

Sequence: A258589
Score: 11.8502
Type of gen. func.: ogf

$$-\frac{5\,x^{3} - 5\,x^{2} - 12\,x - 1}{(x + 1)\,(x - 1)^{2}}$$

Sequence: A258589
Score: 6.14457
Type of gen. func.: ogf

$\{a(n + 4) - a(n + 3) - a(n + 2) + a(n + 1), a(0) = 1, a(1) = 13, a(2) = 19,$

$a(3) = 26\}$

Sequence: A258589
Score: 6.3322
Type of gen. func.: ogf

$-(3341\,f(x) + 11517)$

$$(f(x)\,x^{3} - f(x)\,x^{2} + 5\,x^{3} - f(x)\,x - 5\,x^{2} + f(x) - 12\,x - 1)$$

Sequence: A258589
Score: 9.75902
Type of gen. func.: lgdogf

2

$$-\frac{14 x + 25 x + 13}{-5 x^{5} + 5 x^{4} + 17 x^{3} - 4 x^{2} - 12 x - 1}$$

Sequence: A258597
Score: 13.9545
Type of gen. func.: ogf

$$\{a(n + 1) - 3 a(n), a(0) = 13\}$$

Sequence: A258597
Score: 17.6092
Type of gen. func.: ogf

$$-3 f(x) x + f(x) - 13$$

Sequence: A258597
Score: 26.4139
Type of gen. func.: lgdogf

$$\frac{3}{-3 x + 1}$$

Sequence: A258597
Score: 28.4457
Type of gen. func.: ogf

$$-\frac{13}{3 x - 1}$$

Sequence: A258598
Score: 14.1389
Type of gen. func.: ogf

$$\{a(n + 1) - 3 a(n), a(0) = 17\}$$

Sequence: A258598
Score: 17.842
Type of gen. func.: ogf

$$-3 f(x) x + f(x) - 17$$

Sequence: A258598
Score: 26.7630
Type of gen. func.: lgdogf

$$\frac{3}{-3 x + 1}$$

Sequence: A258598
Score: 28.8217
Type of gen. func.: ogf

$$- \frac{17}{3 x - 1}$$

Sequence: A258617
Score: 10.4763
Type of gen. func.: ogf

$$- \frac{4 x (x^2 - 4 x - 3)}{(x - 1)^4}$$

Sequence: A258617
Score: 11.9048
Type of gen. func.: lgdogf

$$- \frac{2 x^2 - 10 x - 16}{x^3 - 5 x^2 + x + 3}$$

Sequence: A258617
Score: 3.90905
Type of gen. func.: ogf

{(-9 - 3 n) a(n + 4) + (14 - n) a(n + 3) + (15 + 5 n) a(n + 2)

$+ (-2 - n) a(n + 1), a(0) = 0, a(1) = 12, a(2) = 64, a(3) = 180\}$

Sequence: A258617
Score: 5.30891
Type of gen. func.: ogf

$-(30753 f(x) + 535825)$

$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 4 x^3 - 4 f(x) x - 16 x^2 + f(x) - 12 x)$

Sequence: A258618
Score: 10.4763
Type of gen. func.: ogf

$$- \frac{x (5 x^2 - 16 x - 13)}{(x - 1)^4}$$

Sequence: A258618
Score: 11.3872
Type of gen. func.: lgdogf

$$- \frac{-10 x^2 + 38 x + 68}{-5 x^3 + 21 x^2 - 3 x - 13}$$

Sequence: A258618
Score: 3.83278
Type of gen. func.: ogf

$\{(39 + 13 n) a(n + 4) + (-62 + 3 n) a(n + 3) + (-59 - 21 n) a(n + 2)$

$+ (10 + 5 n) a(n + 1), a(0) = 0, a(1) = 13, a(2) = 68, a(3) = 189\}$

Sequence: A258618
Score: 5.34502
Type of gen. func.: ogf

$(856320 f(x) + 17632901)$

4 3 2 3 2

$$(f(x)\,x - 4\,f(x)\,x + 6\,f(x)\,x + 5\,x - 4\,f(x)\,x - 16\,x + f(x) - 13\,x)$$

Sequence: A258674
Score: 4.02607
Type of gen. func.: ogf

$$-(14257\,f(x) - 1777536)\,(256\,f(x)\,x^4 + 32\,f(x)\,x^3 + 16384\,x^3 + 2\,f(x)\,x + 5120\,x^2 - f(x) + 960\,x + 320)$$

Sequence: A258674
Score: 7.13051
Type of gen. func.: ogf

$$-\frac{64\,(256\,x^3 + 80\,x^2 + 15\,x + 5)}{(16\,x^2 + 2\,x - 1)\,(16\,x^2 + 1)}$$

Sequence: A258675
Score: 3.29010
Type of gen. func.: ogf

$$-16\,(1048576\,x^7 - 442368\,x^6 + 85248\,x^5 - 33408\,x^4 - 4964\,x^3 + 2200\,x^2 - 275\,x + 100) \Big/ ((4\,x - 1)\,(4\,x + 1)\,(16\,x^2 - 9\,x + 1)\,(256\,x^4 + 36\,x^2 + 1))$$

Sequence: A258683
Score: 2.71014
Type of gen. func.: ogf

$$(f(x) - 1)^2\,(-2\,x^4 + f(x) - 1)$$

Sequence: A258684
Score: 10.0144
Type of gen. func.: lgdogf

$$x^2 + 2\,x - 63$$

$$-\frac{}{x^3 - 61 x^2 - 61 x + 1}$$

Sequence: A258684
Score: 14.5862
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - 62 x + 1}$$

Sequence: A258684
Score: 7.45518
Type of gen. func.: ogf

$$(3904 f(x) + 65) (f(x) x^2 - 62 f(x) x + f(x) - x - 1)$$

Sequence: A258684
Score: 7.98770
Type of gen. func.: ogf

$$\{-a(n + 2) + 62 a(n + 1) - a(n), a(0) = 1, a(1) = 63\}$$

Sequence: A258717
Score: 11.1784
Type of gen. func.: lgdogf

$$-\frac{10 x^3 - 20 x^2 - 22 x - 16}{5 x^4 - 10 x^3 - 8 x^2 + 10 x + 3}$$

Sequence: A258717
Score: 14.5658
Type of gen. func.: ogf

$$\frac{x (5 x^2 - 10 x - 3)}{(x + 1) (x - 1)^3}$$

Sequence: A258717
Score: 7.56965
Type of gen. func.: ogf

$$-(1828 f(x) - 24329)$$

$$(f(x) x^4 - 2 f(x) x^3 - 5 x^3 + 2 f(x) x + 10 x^2 - f(x) + 3 x)$$

Sequence: A258721
Score: 11.7773
Type of gen. func.: lgdogf

$$- \frac{x^2 + 38 x + 105}{x^3 + 17 x^2 + 11 x - 29}$$

Sequence: A258721
Score: 13.0859
Type of gen. func.: ogf

$$- \frac{x^2 + 18 x + 29}{(x - 1)^3}$$

Sequence: A258721
Score: 6.75748
Type of gen. func.: ogf

$$(20277 f(x) - 668137) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 18 x + 29)$$

Sequence: A258721
Score: 7.04626
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 29, a(1) = 105, a(2) = 229\}$$

Sequence: A258723
Score: 11.1913
Type of gen. func.: ogf

$$48 f(x)^2 x^2 - 12 f(x)^2 x + f(x)^2 - 1$$

Sequence: A258723
Score: 14.2634
Type of gen. func.: lgdogf

$$-\frac{6 - 48 x}{-48 x^2 + 12 x - 1}$$

Sequence: A258723
Score: 4.69312
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-12 n - 30) a(n + 2) + (96 + 48 n) a(n + 1), a(0) = 1, a(1) = 6, a(2) = 30\}$$

Sequence: A258725
Score: 3.83518
Type of gen. func.: ogf

$$-\frac{60 x^7 - 464 x^6 + 836 x^5 - 1215 x^4 + 1712 x^3 - 736 x^2 + 152 x - 190}{x^8 - 8 x^7 + 16 x^6 - 24 x^5 + 34 x^4 - 20 x^3 + 6 x^2 - 4 x + 1}$$

Sequence: A258731
Score: 4.57136
Type of gen. func.: ogf

$$-\frac{(x - 2) (4 x^6 - 23 x^5 + 58 x^4 - 80 x^3 + 64 x^2 - 30 x + 8)}{(x - 1)^8}$$

Sequence: A258732
Score: 4.42797

Type of gen. func.: ogf

$$-\frac{10 x^{7} - 80 x^{6} + 282 x^{5} - 576 x^{4} + 740 x^{3} - 600 x^{2} + 287 x - 64}{(x - 1)^{8}}$$

Sequence: A258733
Score: 3.97069
Type of gen. func.: ogf

$$\frac{x^{8} - 32 x^{7} + 242 x^{6} - 904 x^{5} + 2026 x^{4} - 2856 x^{3} + 2476 x^{2} - 1208 x + 256}{(x - 1)^{8}}$$

Sequence: A258734
Score: 3.55900
Type of gen. func.: ogf

$$(204 x^{9} - 1576 x^{8} + 5164 x^{7} - 8940 x^{6} + 7460 x^{5} + 988 x^{4} - 9403 x^{3} + 10136 x^{2} - 5056 x + 1024) \Big/ (x - 1)^{8}$$

Sequence: A258735
Score: 3.36393
Type of gen. func.: ogf

$$(1476 x^{10} - 9344 x^{9} + 22372 x^{8} - 20224 x^{7} - 9050 x^{6} + 30588 x^{5} - 7096 x^{4} - 33764 x^{3} + 42011 x^{2} - 21064 x + 4096) \Big/ (x - 1)^{8}$$

Sequence: A258747
Score: 6.40872
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^{11} + x^{10} + x^{6} + 3 x^{5} + x^{4} + 1}{-x^{12} + 1}$$

Sequence: A258756
Score: 6.73768
Type of gen. func.: ogf

$$(x^{43} - x^{42} + x^{31} - x^{30} + x^{28} - x^{26} + x^{19} - x^{18} + x^{16} - x^{14} + 4 x^{13} - 3 x^{12} + x^{10} - 2 x^{8} + x^{7} - x^{6} - x^{4} - x^{2} - 1)/(x - 1)$$

Sequence: A258764
Score: 6.48985
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^{11} + x^{9} + 2 x^{8} + x^{5} + 2 x^{2} + x}{-x^{12} + 1}$$

Sequence: A258770
Score: 7.11843
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-5 x^{11} - 4 x^{9} - x^{8} - 4 x^{7} - 4 x^{5} - 4 x^{3} - x^{2} - 4 x}{x^{12} - 1}$$

Sequence: A258771
Score: 12.4777
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-5 x^{3} + 7 x^{2} - 12 x + 7}{x^{4} - 1}$$

Sequence: A258779
Score: 11.6011
Type of gen. func.: ogf_with_Euler_transform]

$$4 x^{3} - 2 x^{2} + 8 x - 2$$

$$-\frac{\quad}{-x^{4}+1}$$

Sequence: A258800
Score: 5.58459
Type of gen. func.: ogf

$$-\frac{x(x^{2}+x+1)(x^{6}+x^{3}+1)}{x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x-1}$$

Sequence: A258806
Score: 5.04198
Type of gen. func.: ogf

$$\frac{127x^{6}+1170x^{5}+2451x^{4}+1156x^{3}+141x^{2}-6x+1}{(x-1)^{8}}$$

Sequence: A258807
Score: 7.11882
Type of gen. func.: ogf

$$\frac{x(x^{4}-4x^{3}+36x^{2}+56x+31)}{(x-1)^{6}}$$

Sequence: A258807
Score: 7.45461
Type of gen. func.: lgdogf

$$-\frac{-2x^{4}+8x^{3}-132x^{2}-352x-242}{-x^{5}+5x^{4}-40x^{3}-20x^{2}+25x+31}$$

Sequence: A258808
Score: 4.77154
Type of gen. func.: ogf

$$\frac{x \left(x^{6} - 6 x^{5} + 141 x^{4} + 1156 x^{3} + 2451 x^{2} + 1170 x + 127\right)}{(x - 1)^{8}}$$

Sequence: A258809
Score: 4.04802
Type of gen. func.: ogf

$$\frac{x \left(x^{7} - 9 x^{6} - 219 x^{5} - 4349 x^{4} - 15549 x^{3} - 15675 x^{2} - 4265 x - 255\right)}{(x - 1)^{9}}$$

Sequence: A258810
Score: 3.60056
Type of gen. func.: ogf

$$x \left(x^{8} - 8 x^{7} + 538 x^{6} + 14524 x^{5} + 88360 x^{4} + 156064 x^{3} + 88318 x^{2} + 14572 x + 511\right) / (x - 1)^{10}$$

Sequence: A258831
Score: 7.71187
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{4 x^{11} + 2 x^{10} - 2 x^{9} + 2 x^{6} + 4 x^{5} + 2 x^{4} - 2 x + 2}{-x^{12} + 1}$$

Sequence: A258832
Score: 6.59024
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^{11} + x^{10} - x^{9} + x^{6} + 2 x^{5} + x^{4} - x + 1}{-x^{12} + 1}$$

Sequence: A258835
Score: 12.6979
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4 x^4 - x^3 - 3}{x^5 + x^4 + x + 1}$$

Sequence: A258837
Score: 12.4950
Type of gen. func.: ogf

$$\frac{3 x - 1}{(x - 1)^3}$$

Sequence: A258837
Score: 16.5558
Type of gen. func.: lgdogf

$$-\frac{6 x}{3 x^2 - 4 x + 1}$$

Sequence: A258837
Score: 5.96606
Type of gen. func.: ogf

$$-(172 f(x) + 557) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) - 3 x + 1)$$

Sequence: A258837
Score: 5.96606
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 1, a(1) = 0, a(2) = -3\}$$

Sequence: A258841
Score: 10.0557
Type of gen. func.: lgdogf

$$-\frac{-2173 x^2 + 3818 x - 1699}{-2173 x^3 + 6255 x^2 - 6009 x + 1927}$$

Sequence: A258841
Score: 12.2105
Type of gen. func.: ogf

$$-\frac{2173 x^2 - 4082 x + 1927}{(x - 1)^3}$$

Sequence: A258841
Score: 6.52468
Type of gen. func.: ogf

$$(11856 f(x) - 92422907)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 2173 x^2 - f(x) - 4082 x + 1927)$$

Sequence: A258841
Score: 7.06391
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1927, a(1) = 1699,$

$a(2) = 1489\}$

Sequence: A258869
Score: 11.1865
Type of gen. func.: ogf

$$\frac{x^{15} - x^5 - x^2 - x - 1}{(x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A258886
Score: 3.74132

Type of gen. func.: ogf

$$\left(2472 x^{10} - 4321 x^{9} - 6524 x^{8} + 14085 x^{7} + 4728 x^{6} - 16467 x^{5} + 226 x^{4} + 8075 x^{3} - 980 x^{2} - 1820 x - 242\right) \Big/ \left((x + 1)^{3} (x - 1)^{5}\right)$$

Sequence: A258890
Score: 3.57274
Type of gen. func.: ogf

$$\left(2916 x^{10} + 883 x^{9} - 11977 x^{8} - 12889 x^{7} + 28554 x^{6} + 33043 x^{5} - 43034 x^{4} - 30871 x^{3} + 33662 x^{2} + 9722 x - 10201\right) \Big/ \left((x + 1)^{3} (x - 1)^{5}\right)$$

Sequence: A258891
Score: 3.53549
Type of gen. func.: ogf

$$\left(5404 x^{10} + 6825 x^{9} - 19844 x^{8} - 59146 x^{7} + 57626 x^{6} + 136308 x^{5} - 108182 x^{4} - 122398 x^{3} + 95754 x^{2} + 38331 x - 30870\right) \Big/ \left((x + 1)^{3} (x - 1)^{5}\right)$$

Sequence: A258892
Score: 3.50035
Type of gen. func.: ogf

$$\left(9760 x^{10} + 23035 x^{9} - 17437 x^{8} - 207141 x^{7} + 87878 x^{6} + 482695 x^{5} - 256742 x^{4} - 436011 x^{3} + 270710 x^{2} + 137310 x - 94249\right) \Big/ \left((x + 1)^{3} (x - 1)^{5}\right)$$

Sequence: A258902
Score: 18.1990
Type of gen. func.: revegf]

$$x - 1/2 x^{2} - 1/3 x^{3}$$

Sequence: A258902
Score: 9.45406
Type of gen. func.: egf]

$$36 x^2 f(x)^3 + 42 f(x)^3 x - 19 f(x)^3 + 15 f(x) + 4$$

Sequence: A258918
Score: 4.61315
Type of gen. func.: ogf

$$-(15115 f(x) - 2203944) (18 f(x) x^3 - 6 f(x) x^2 + 3 f(x) x + 1152 x^2 - f(x) - 24 x + 200)$$

Sequence: A258918
Score: 5.07446
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 6 a(n + 1) - 18 a(n), a(0) = 200, a(1) = 576,

a(2) = 1680}

Sequence: A258918
Score: 8.95493
Type of gen. func.: ogf

$$-\frac{8 (144 x^2 - 3 x + 25)}{(3 x - 1) (6 x^2 + 1)}$$

Sequence: A258935
Score: 10.3497
Type of gen. func.: ogf

$$(6 f(x) + 1) (2 f(x) x - 2 x^2 - f(x) - 3 x + 4)$$

Sequence: A258935
Score: 11.9419

Type of gen. func.: lgdogf

$$-\frac{4x^2-4x+5}{-4x^3-4x^2+11x-4}$$

Sequence: A258935
Score: 17.2494
Type of gen. func.: ogf

$$\frac{2x^2+3x-4}{2x-1}$$

Sequence: A258935
Score: 9.24077
Type of gen. func.: ogf

$$\{-a(n+3)+2a(n+2),\ a(0)=4,\ a(1)=5,\ a(2)=8\}$$

Sequence: A258958
Score: 6.03270
Type of gen. func.: ogf

$$2(51x^9+48x^8+19x^7+24x^6+341x^5-60x^4-156x^3-96x^2-172x-33) \Big/ ((2x^2-1)(2x^2+1))$$

Sequence: A258959
Score: 6.58195
Type of gen. func.: ogf

$$\frac{2(x^8+3x^7-11x^5-11x^4-2x^3-87x^2-112x-33)}{(x+1)(3x^2-1)}$$

Sequence: A258960
Score: 3.80133

Type of gen. func.: ogf

$$(8 x^{12} + 8 x^{11} - 59 x^{10} - 117 x^{9} + 374 x^{8} - 172 x^{7} - 884 x^{6} + 600 x^{5} + 415 x^{4} - 7 x^{3} + 228 x^{2} - 186 x - 158) / ((x - 1) (3 x^{6} - 4 x^{4} - x^{2} + 1))$$

Sequence: A258961
Score: 6.03837
Type of gen. func.: ogf

$$2 (4 x^{9} + 12 x^{8} + 3 x^{7} - 12 x^{6} + 51 x^{5} + 70 x^{4} - 268 x^{3} - 225 x^{2} + 137 x + 107) / ((x - 1) (x + 1) (2 x^{2} - 1))$$

Sequence: A258962
Score: 5.03567
Type of gen. func.: ogf

$$(51 x^{11} + 62 x^{10} - 32 x^{9} + 878 x^{7} + 1026 x^{6} - 1677 x^{5} - 1794 x^{4} - 155 x^{3} - 176 x^{2} + 467 x + 462) / ((x - 1) (x + 1) (2 x^{2} - 1) (2 x^{2} + 1))$$

Sequence: A258963
Score: 5.94475
Type of gen. func.: ogf

$$2 (4 x^{9} + 12 x^{8} + 3 x^{7} - 12 x^{6} + 337 x^{5} + 436 x^{4} - 751 x^{3} - 870 x^{2} + 307 x + 338) / ((x - 1) (x + 1) (2 x^{2} - 1))$$

Sequence: A258964
Score: 4.81693
Type of gen. func.: ogf

$$(51 x^{11} + 62 x^{10} - 32 x^{9} + 2050 x^{7} + 4170 x^{6} - 3613 x^{5} - 5442 x^{4} - 448 x^{3}$$

$$- 962 x + 951 x + 1374) / ((x - 1) (x + 1) (2 x - 1) (2 x + 1))$$

Sequence: A258965
Score: 5.61371
Type of gen. func.: ogf

$$2 (4 x^{9} + 12 x^{8} + 3 x^{7} - 12 x^{6} + 629 x^{5} + 1632 x^{4} - 1511 x^{3} - 2832 x^{2} + 614 x + 1020) / ((x - 1) (x + 1) (2 x^{2} - 1))$$

Sequence: A258973
Score: 10.0188
Type of gen. func.: revogf

$$1 + \frac{1}{2 x} - x/2 - \frac{(x^{4} - 2 x^{2} + 4 x + 1)^{1/2}}{2 x}$$

Sequence: A258973
Score: 8.43684
Type of gen. func.: ogf

$$f(x)^{2} x^{2} - f(x)^{2} x + f(x) x^{2} - 2 f(x) x + f(x) - 1$$

Sequence: A259022
Score: 18.9118
Type of gen. func.: ogf_with_Euler_transform]

$$x^{8} - x^{4} - x - 1$$

Sequence: A259022
Score: 5.54014
Type of gen. func.: ogf

$$\frac{(x^{4} + x^{3} + x^{2} + x + 1) (x + 1) (x - 1)^{2}}{(x^{2} + x + 1) (x^{6} + x^{3} + 1)}$$

Sequence: A259031
Score: 2.87726
Type of gen. func.: ogf

$$-\frac{128 x^3 + 12 x^2 - 11 x + 3}{4 x - 1}$$

Sequence: A259042
Score: 13.0060
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^2 - x + 1)}{(x - 1) (x^4 + 1)}$$

Sequence: A259042
Score: 16.4316
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 - x^5 - x^3 + x^2 + 1$$

Sequence: A259044
Score: 13.0903
Type of gen. func.: ogf_with_Euler_transform]

$$x (x^6 - x^4 - x^3 + x + 1)$$

Sequence: A259044
Score: 9.32016
Type of gen. func.: ogf

$$-\frac{x (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1)}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A259054
Score: 5.04809
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 19, a(1) = 27, a(2) = 43\}$$

Sequence: A259054
Score: 7.6268
Type of gen. func.: ogf

$$-(3 f(x) - 22) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 19 x^2 - f(x) - 30 x + 19)$$

Sequence: A259054
Score: 8.17648
Type of gen. func.: lgdogf

$$-\frac{-19 x^2 + 22 x - 27}{-19 x^3 + 49 x^2 - 49 x + 19}$$

Sequence: A259054
Score: 9.07078
Type of gen. func.: ogf

$$-\frac{19 x^2 - 30 x + 19}{(x - 1)^3}$$

Sequence: A259055
Score: 11.1961
Type of gen. func.: lgdogf

$$-\frac{-2 x^2 + 22 x + 34}{-2 x^3 + 15 x^2 - 6 x - 7}$$

Sequence: A259055

Score: 12.0990
Type of gen. func.: ogf

$$\frac{(2 x + 1) (x - 7)}{(x - 1)^3}$$

Sequence: A259055
Score: 6.41147
Type of gen. func.: ogf

$$(308 f(x) - 4511) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 2 x^2 - f(x) + 13 x + 7)$$

Sequence: A259055
Score: 6.58018
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 7, a(1) = 34, a(2) = 79\}$$

Sequence: A259057
Score: 19.1431
Type of gen. func.: lgdegf]

$$- \frac{20}{8 x + 1}$$

Sequence: A259057
Score: 6.16833
Type of gen. func.: ogf

$$\{(8 n + 28) a(n + 1) + a(n + 2), a(0) = -1, a(1) = 20\}$$

Sequence: A259058
Score: 11.1961
Type of gen. func.: ogf

$$- \frac{2 (193 x^2 - 416 x + 227)}{(x - 1)^3}$$

Sequence: A259058
Score: 6.04953
Type of gen. func.: ogf

$$(793 f(x) + 948362)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 386 x^2 - f(x) - 832 x + 454)$$

Sequence: A259058
Score: 6.35713
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 454, a(1) = 530, a(2) = 614}

Sequence: A259058
Score: 9.61719
Type of gen. func.: lgdogf

$$-\frac{-193 x^2 + 446 x - 265}{-193 x^3 + 609 x^2 - 643 x + 227}$$

Sequence: A259059
Score: 10.1882
Type of gen. func.: lgdogf

$$-\frac{-193 x^2 + 446 x - 265}{-193 x^3 + 609 x^2 - 643 x + 227}$$

Sequence: A259059
Score: 11.8609
Type of gen. func.: ogf

$$-\frac{193 x^2 - 416 x + 227}{(x - 1)^3}$$

Sequence: A259059
Score: 6.40871
Type of gen. func.: ogf

$$(793 f(x) + 474181)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 193 x^2 - f(x) - 416 x + 227)$$

Sequence: A259059
Score: 6.73458
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 227, a(1) = 265, a(2) = 307}

Sequence: A259060
Score: 4.52615
Type of gen. func.: ogf

$$(45678 f(x) + 493219711) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 5168 x^3 - 4 f(x) x - 16570 x^2 + f(x) + 17804 x - 6426)$$

Sequence: A259060
Score: 8.10730
Type of gen. func.: ogf

$$- \frac{2 (2584 x^3 - 8285 x^2 + 8902 x - 3213)}{(x - 1)^4}$$

Sequence: A259076
Score: 10.443
Type of gen. func.: ogf

$$-80 f(x) x + f(x) - 1$$

Sequence: A259076
Score: 14.6202

Type of gen. func.: lgdogf

$$\frac{80}{-80 x + 1}$$

Sequence: A259076
Score: 19.9366
Type of gen. func.: ogf

$$-\frac{1}{80 x - 1}$$

Sequence: A259076
Score: 8.27558
Type of gen. func.: ogf

$$\{a(n + 1) - 80 a(n), a(0) = 1\}$$

Sequence: A259104
Score: 13.1023
Type of gen. func.: lgdegf]

$$-\frac{x^2 - 5 x + 7}{-x^2 + 3 x - 2}$$

Sequence: A259104
Score: 3.23229
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) + (n^2 + 8 n + 15) a(n + 2)$$
$$+ (-2 n^2 - 21 n - 52) a(n + 3) + (8 + 2 n) a(n + 4), a(0) = 4, a(1) = 14,$$
$$a(2) = 60, a(3) = 310\}$$

Sequence: A259108
Score: 10.9893
Type of gen. func.: lgdogf

$$-\frac{3 x^3 + 47 x^2 + 77 x + 17}{x^4 + 10 x^3 - 10 x - 1}$$

Sequence: A259108
Score: 4.70096
Type of gen. func.: ogf

$$\{(-4 n^2 - 25 n - 39) a(n + 1) + (8 n^2 + 40 n + 83) a(n + 2)$$

$$+ (-4 n^2 - 15 n - 14) a(n + 3), a(0) = 0, a(1) = 2, a(2) = 34\}$$

Sequence: A259108
Score: 8.29581
Type of gen. func.: ogf

$$\frac{2 x (x + 1) (x^2 + 10 x + 1)}{(x - 1)^6}$$

Sequence: A259109
Score: 5.42069
Type of gen. func.: ogf

$$\frac{2 x (x + 1) (x^4 + 56 x^3 + 246 x^2 + 56 x + 1)}{(x - 1)^8}$$

Sequence: A259110
Score: 13.4520
Type of gen. func.: ogf

$$\frac{2 x (x^2 + 6 x + 1)}{(x - 1)^4}$$

Sequence: A259110
Score: 15.0825
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 20 x + 10}{x^3 + 5 x^2 - 5 x - 1}$$

Sequence: A259110
Score: 5.23919
Type of gen. func.: ogf

$\{(n + 3) a(n + 4) + 5 n a(n + 3) + (-25 - 5 n) a(n + 2) + (-2 - n) a(n + 1),$

$a(0) = 0, a(1) = 2, a(2) = 20, a(3) = 70\}$

Sequence: A259110
Score: 7.01019
Type of gen. func.: ogf

$-(200 f(x) + 969)$

$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 2 x^3 - 4 f(x) x - 12 x^2 + f(x) - 2 x)$

Sequence: A259131
Score: 10.5610
Type of gen. func.: ogf

$\{-a(n + 2) + 11 a(n + 1) - a(n), a(0) = 3, a(1) = 36\}$

Sequence: A259131
Score: 13.2407
Type of gen. func.: lgdogf

$$-\frac{x^2 + 2 x - 12}{x^3 - 10 x^2 - 10 x + 1}$$

Sequence: A259131
Score: 19.2854
Type of gen. func.: ogf

$$\frac{3 (x + 1)}{x^2 - 11 x + 1}$$

Sequence: A259131
Score: 9.43754
Type of gen. func.: ogf

$$(17017 f(x) + 11157) (f(x) x^2 - 11 f(x) x + f(x) - 3 x - 3)$$

Sequence: A259156
Score: 6.85655
Type of gen. func.: ogf

$$- \frac{x^3 + 594 x^2 + 99 x + 6}{(x - 1) (x^2 - 98 x + 1) (x^2 + 98 x + 1)}$$

Sequence: A259157
Score: 4.07596
Type of gen. func.: ogf

$$(26839353763335984 f(x) - 4232492437427) (f(x) x^3 - 1155 f(x) x^2 + 1155 f(x) x - f(x) + 105 x + 3)$$

Sequence: A259157
Score: 4.46109
Type of gen. func.: ogf

$$\{a(n + 3) - 1155 a(n + 2) + 1155 a(n + 1) - a(n), a(0) = 3, a(1) = 3570, a(2) = 4119885\}$$

Sequence: A259157
Score: 9.28785
Type of gen. func.: ogf

$$3 (35 x + 1)$$

$$- \frac{\qquad}{(x - 1) (x^2 - 1154 x + 1)}$$

Sequence: A259160
Score: 4.51912
Type of gen. func.: ogf

$$\{a(n + 3) - 9603 a(n + 2) + 9603 a(n + 1) - a(n), a(0) = 4, a(1) = 39204, a(2) = 376437604\}$$

Sequence: A259160
Score: 8.51429
Type of gen. func.: ogf

$$- \frac{4 (x^2 + 198 x + 1)}{(x - 1) (x^2 - 9602 x + 1)}$$

Sequence: A259161
Score: 3.96949
Type of gen. func.: ogf

$$(1683286840880489603920 f(x) - 18074679689939699) (f(x) x^3 - 9603 f(x) x^2 + 9603 f(x) x - f(x) + 495 x + 5)$$

Sequence: A259161
Score: 4.51912
Type of gen. func.: ogf

$$\{a(n + 3) - 9603 a(n + 2) + 9603 a(n + 1) - a(n), a(0) = 5, a(1) = 48510, a(2) = 465793515\}$$

Sequence: A259161
Score: 9.63092
Type of gen. func.: ogf

$$- \frac{5 (99 x + 1)}{{}^{2}}$$

$$(x - 1) (x - 9602 x + 1)$$

Sequence: A259162
Score: 4.51912
Type of gen. func.: ogf

{a(n + 3) - 9603 a(n + 2) + 9603 a(n + 1) - a(n), a(0) = 6, a(1) = 58311,

a(2) = 559902916}

Sequence: A259162
Score: 8.51429
Type of gen. func.: ogf

$$-\frac{x^2 + 693 x + 6}{(x - 1) (x^2 - 9602 x + 1)}$$

Sequence: A259163
Score: 4.94840
Type of gen. func.: ogf

$$-\frac{9 (2 x^4 + 19 x^3 + 33170 x^2 + 19 x + 2)}{(x - 1) (x^2 - 1442 x + 1) (x^2 + 1442 x + 1)}$$

Sequence: A259167
Score: 4.51912
Type of gen. func.: ogf

{a(n + 3) - 9603 a(n + 2) + 9603 a(n + 1) - a(n), a(0) = 8, a(1) = 78408,

a(2) = 752875208}

Sequence: A259167
Score: 8.39266
Type of gen. func.: ogf

```
                      2
             8 (x  + 198 x + 1)
         - ------------------------
                          2
```

$$(x - 1) (x - 9602 x + 1)$$

Sequence: A259181
Score: 17.8575
Type of gen. func.: lgdogf

$$- \frac{5 x + 9}{x^2 - 1}$$

Sequence: A259181
Score: 37.1108
Type of gen. func.: ogf_with_Euler_transform]

$$[9 - 2 x]$$

Sequence: A259181
Score: 5.90776
Type of gen. func.: ogf

$$\{(n + 2) a(n + 3) - 9 a(n + 2) + (-5 - n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 9\}$$

Sequence: A259181
Score: 7.77952
Type of gen. func.: ogf

$$- \frac{x (x + 1)^2}{(x - 1)^7}$$

Sequence: A259206
Score: 10.9143
Type of gen. func.: ogf

$$f(x)^2 x^3 - f(x)^2 x + x^2 + f(x) - 1$$

Sequence: A259207
Score: 7.15147
Type of gen. func.: ogf

$$-(47 x^{10} + 104 x^{9} + 208 x^{8} + 416 x^{7} + 83 x^{6} + 166 x^{5} + 33 x^{4} + 66 x^{3} + 13 x^{2} + 26 x + 5) \Big/ ((x - 1) (x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1))$$

Sequence: A259215
Score: 11.8219
Type of gen. func.: ogf

$$-\frac{8 x^{2} + 8 x - 7}{(2 x - 1) (x^{2} + x - 1)}$$

Sequence: A259215
Score: 6.27076
Type of gen. func.: ogf

$$(193 f(x) - 604) (2 f(x) x^{3} + f(x) x^{2} - 3 f(x) x + 8 x^{2} + f(x) + 8 x - 7)$$

Sequence: A259215
Score: 6.32577
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - a(n + 1) - 2 a(n), a(0) = 7, a(1) = 13, a(2) = 24\}$$

Sequence: A259216
Score: 11.4288
Type of gen. func.: ogf

$$-\frac{16 x^{2} + 16 x - 13}{(2 x - 1) (x^{2} + x - 1)}$$

Sequence: A259216
Score: 6.14655
Type of gen. func.: ogf

$$(201 f(x) - 2140) (2 f(x) x^3 + f(x) x^2 - 3 f(x) x + 16 x^2 + f(x) + 16 x - 13)$$

Sequence: A259216
Score: 6.36035
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - a(n + 1) - 2 a(n), a(0) = 13, a(1) = 23, a(2) = 40\}$$

Sequence: A259217
Score: 4.95508
Type of gen. func.: ogf

$$-(137 f(x) + 4408) (2 f(x) x^4 - f(x) x^3 - 4 f(x) x^2 + 32 x^3 + 4 f(x) x + 2 x^2 - f(x) - 56 x + 24)$$

Sequence: A259217
Score: 9.22885
Type of gen. func.: ogf

$$- \frac{2 (16 x^3 + x^2 - 28 x + 12)}{(2 x - 1) (x - 1) (x^2 + x - 1)}$$

Sequence: A259218
Score: 5.04586
Type of gen. func.: ogf

$$(178 f(x) - 23801) (2 f(x) x^4 - f(x) x^3 - 4 f(x) x^2 + 64 x^3 + 4 f(x) x + 8 x^2 - f(x) - 109 x + 45)$$

Sequence: A259218
Score: 9.15731
Type of gen. func.: ogf

$$-\frac{64 x^{3} + 8 x^{2} - 109 x + 45}{(2 x - 1) (x - 1) (x^{2} + x - 1)}$$

Sequence: A259219
Score: 4.67665
Type of gen. func.: ogf

$$(3034 f(x) - 1388913) (2 f(x) x^{4} - f(x) x^{3} - 4 f(x) x^{2} + 128 x^{3} + 4 f(x) x + 24 x^{2} - f(x) - 213 x + 85)$$

Sequence: A259219
Score: 8.56447
Type of gen. func.: ogf

$$-\frac{128 x^{3} + 24 x^{2} - 213 x + 85}{(2 x - 1) (x - 1) (x^{2} + x - 1)}$$

Sequence: A259220
Score: 4.53493
Type of gen. func.: ogf

$$-(14671 f(x) - 11170406) (2 f(x) x^{4} - f(x) x^{3} - 4 f(x) x^{2} + 256 x^{3} + 4 f(x) x + 62 x^{2} - f(x) - 418 x + 162)$$

Sequence: A259220
Score: 8.58398
Type of gen. func.: ogf

$$-\frac{2 (128 x^{3} + 31 x^{2} - 209 x + 81)}{(2 x - 1) (x - 1) (x^{2} + x - 1)}$$

Sequence: A259221
Score: 4.59162
Type of gen. func.: ogf

$$(3769141 f(x) - 4764517944) (2 f(x) x^4 - f(x) x^3 - 4 f(x) x^2 + 512 x^3 + 4 f(x) x + 148 x^2 - f(x) - 823 x + 311)$$

Sequence: A259221
Score: 8.64305
Type of gen. func.: ogf

$$-\frac{512 x^3 + 148 x^2 - 823 x + 311}{(2 x - 1) (x - 1) (x^2 + x - 1)}$$

Sequence: A259243
Score: 10.2416
Type of gen. func.: lgdogf

$$-\frac{-12 x^2 - 18 x - 7}{-12 x^3 - 13 x^2 + x + 3}$$

Sequence: A259243
Score: 15.1398
Type of gen. func.: ogf

$$-\frac{3 (4 x + 3)}{3 x^2 + x - 1}$$

Sequence: A259243
Score: 7.91399
Type of gen. func.: ogf

$$(25 f(x) - 78) (3 f(x) x^2 + f(x) x - f(x) + 12 x + 9)$$

Sequence: A259243
Score: 8.39072
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - 3 a(n), a(0) = 9, a(1) = 21\}$$

Sequence: A259244
Score: 4.21663
Type of gen. func.: ogf

$$(730447 f(x) - 59129898) (3 f(x) x^4 + 11 f(x) x^3 - 4 f(x) x^2 + 24 x^3 - 3 f(x) x + 87 x^2 + f(x) - 2 x - 21)$$

Sequence: A259244
Score: 7.96474
Type of gen. func.: ogf

$$- \frac{24 x^3 + 87 x^2 - 2 x - 21}{(3 x - 1) (x^3 + 4 x^2 - 1)}$$

Sequence: A259245
Score: 3.9934
Type of gen. func.: ogf

$$-(253739 f(x) - 7386800) (30 f(x) x^4 + 11 f(x) x^3 - 12 f(x) x^2 + 400 x^3 - 2 f(x) x + 240 x^2 + f(x) - 96 x - 48)$$

Sequence: A259245
Score: 7.47600
Type of gen. func.: ogf

$$- \frac{16 (25 x^3 + 15 x^2 - 6 x - 3)}{30 x^4 + 11 x^3 - 12 x^2 - 2 x + 1}$$

Sequence: A259278
Score: 12.5912
Type of gen. func.: lgdogf

$$-\frac{7x^6 + 6x^5 + 1}{x^7 + x^6 + x - 1}$$

Sequence: A259278
Score: 20.8829
Type of gen. func.: ogf

$$-\frac{1}{x^7 + x^6 + x - 1}$$

Sequence: A259290
Score: 13.9336
Type of gen. func.: ogf

$$-\frac{2(8x + 5)}{4x^2 + x - 1}$$

Sequence: A259290
Score: 7.27642
Type of gen. func.: ogf

$$(53 f(x) - 192) (4 f(x) x^2 + f(x) x - f(x) + 16 x + 10)$$

Sequence: A259290
Score: 7.79617
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - 4 a(n), a(0) = 10, a(1) = 26\}$$

Sequence: A259290
Score: 9.49099
Type of gen. func.: lgdogf

$$-\frac{-32 x^2 - 40 x - 13}{-32 x^3 - 28 x^2 + 3 x + 5}$$

Sequence: A259291
Score: 10.1903
Type of gen. func.: ogf

$$-\frac{2 (32 x^2 - 8 x - 13)}{8 x^3 - 4 x^2 - 3 x + 1}$$

Sequence: A259291
Score: 5.1353
Type of gen. func.: ogf

$-(13835 f(x) + 219232)$

$$(8 f(x) x^3 - 4 f(x) x^2 - 3 f(x) x + 64 x^2 + f(x) - 16 x - 26)$$

Sequence: A259291
Score: 5.62226
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) - 4 a(n + 1) + 8 a(n), a(0) = 26, a(1) = 94, a(2) = 322\}$

Sequence: A259292
Score: 4.66002
Type of gen. func.: ogf

$$-\frac{2 (512 x^5 + 280 x^4 - 494 x^3 - 186 x^2 + 95 x + 33)}{(2 x + 1) (32 x^5 - 4 x^4 - 33 x^3 + 10 x^2 + 4 x - 1)}$$

Sequence: A259317
Score: 4.28016
Type of gen. func.: ogf

2 2

$$\{(-2 n - 13 n - 21) a(n + 1) + (4 n + 20 n + 51) a(n + 2)$$

$$+ (-2 n^2 - 7 n - 6) a(n + 3), a(0) = 0, a(1) = 2, a(2) = 70\}$$

Sequence: A259317
Score: 6.29644
Type of gen. func.: ogf

$$-\frac{2 x (x^4 + 28 x^3 + 70 x^2 + 28 x + 1)}{(x - 1)^7}$$

Sequence: A259317
Score: 7.12027
Type of gen. func.: lgdogf

$$-\frac{-3 x^4 - 116 x^3 - 434 x^2 - 308 x - 35}{-x^5 - 27 x^4 - 42 x^3 + 42 x^2 + 27 x + 1}$$

Sequence: A259318
Score: 3.62763
Type of gen. func.: ogf

$$-\frac{144 x^2 (x^6 + 31 x^5 + 187 x^4 + 330 x^3 + 187 x^2 + 31 x + 1)}{(x - 1)^{11}}$$

Sequence: A259318
Score: 3.73701
Type of gen. func.: ogf

$$\{(2 n^3 + 21 n^2 + 73 n + 84) a(n + 1) + (28 n^2 + 140 n + 252) a(n + 2)$$

$$+ (-2 n^3 - 9 n^2 - 13 n - 6) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 144\}$$

Sequence: A259319
Score: 7.26620

Type of gen. func.: lgdogf

$$-\frac{-2x^4 - 232x^3 - 1148x^2 - 840x - 82}{-x^5 - 75x^4 - 154x^3 + 154x^2 + 75x + 1}$$

Sequence: A259319
Score: 7.26620
Type of gen. func.: ogf

$$\frac{2(x^4 + 76x^3 + 230x^2 + 76x + 1)}{(x - 1)^6}$$

Sequence: A259320
Score: 10.1072
Type of gen. func.: lgdogf

$$-\frac{4x^3 + 38x^2 + 56x + 14}{x^4 + 6x^3 - 6x - 1}$$

Sequence: A259320
Score: 4.14231
Type of gen. func.: ogf

$$\{(-2n^2 - 15n - 28)a(n + 1) + (4n^2 + 24n + 62)a(n + 2)$$

$$+ (-2n^2 - 9n - 10)a(n + 3), a(0) = 0, a(1) = 256, a(2) = 3584\}$$

Sequence: A259320
Score: 6.37011
Type of gen. func.: ogf

$$-\frac{256x(x + 1)(x^2 + 6x + 1)}{(x - 1)^7}$$

Sequence: A259321
Score: 3.29530
Type of gen. func.: ogf

$$\{(-4 n^3 - 48 n^2 - 191 n - 252) a(n + 1) + (-56 n^2 - 336 n - 658) a(n + 2) + (4 n^3 + 24 n^2 + 47 n + 30) a(n + 3), a(0) = 0, a(1) = 2304, a(2) = 290304\}$$

Sequence: A259322
Score: 4.37747
Type of gen. func.: ogf

$$\frac{x^6 + 722 x^5 + 10543 x^4 + 23548 x^3 + 10543 x^2 + 722 x + 1}{(x - 1)^8}$$

Sequence: A259323
Score: 5.45105
Type of gen. func.: ogf

$$\frac{2 (x^6 + 722 x^5 + 10543 x^4 + 23548 x^3 + 10543 x^2 + 722 x + 1)}{(x - 1)^8}$$

Sequence: A259348
Score: 3.73160
Type of gen. func.: ogf

$$\{(4327 n^2 + 25469 n + 33630) a(n + 1) + (-9944 n^2 - 50320 n - 54648) a(n + 2) + (5617 n^2 + 20981 n + 12390) a(n + 3), a(0) = -8, a(1) = -7, a(2) = 0\}$$

Sequence: A259348
Score: 5.37559
Type of gen. func.: ogf

$(564 f(x) - 761) ($

$$f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - 9\,x^3 - 4\,f(x)\,x + 20\,x^2 + f(x) - 25\,x + 8$$

)

Sequence: A259348
Score: 9.04364
Type of gen. func.: lgdogf

$$-\frac{-9\,x^3 + 13\,x^2 - 35\,x + 7}{-9\,x^4 + 29\,x^3 - 45\,x^2 + 33\,x - 8}$$

Sequence: A259348
Score: 9.73049
Type of gen. func.: ogf

$$\frac{9\,x^3 - 20\,x^2 + 25\,x - 8}{(x - 1)^4}$$

Sequence: A259357
Score: 15.3800
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^4 + x^3 + 1}{x^5 - 1}$$

Sequence: A259358
Score: 15.0985
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^4 + x^2 + x}{x^5 - 1}$$

Sequence: A259402
Score: 4.93592

Type of gen. func.: ogf

$$-\frac{7\,(1968\,x^{4}+1813\,x^{3}-195857\,x^{2}+35\,x+41)}{(x-1)\,(x^{2}-254\,x+1)\,(x^{2}+254\,x+1)}$$

Sequence: A259403
Score: 5.86700
Type of gen. func.: ogf

$$-\frac{11\,(16\,x^{4}+14\,x^{3}-5507\,x^{2}+2254\,x+262)}{(x-1)\,(x^{2}+20\,x+1)\,(x^{2}-20\,x+1)}$$

Sequence: A259413
Score: 4.97996
Type of gen. func.: ogf

$$-\frac{11\,(6\,x^{8}-x^{7}+x^{5}-2199\,x^{4}+559\,x^{3}+315\,x^{2}+161\,x+195)}{(x-1)\,(x^{4}+20\,x^{2}+1)\,(x^{4}-20\,x^{2}+1)}$$

Sequence: A259421
Score: 4.84817
Type of gen. func.: ogf

$$-\frac{8\,x^{5}+49\,x^{4}-41\,x^{3}-178\,x^{2}-15\,x+43}{x^{6}+6\,x^{5}-6\,x^{4}-22\,x^{3}+2\,x^{2}+6\,x-1}$$

Sequence: A259451
Score: 10.9139
Type of gen. func.: ogf

$$-\frac{x\,(x^{4}-x^{3}+6\,x^{2}+x+1)}{(x^{2}+x-1)^{3}}$$

Sequence: A259451
Score: 9.52291
Type of gen. func.: lgdogf

$$-\frac{2x^5-4x^4+28x^3+8x^2+20x+4}{x^6+4x^4+8x^3-4x^2-1}$$

Sequence: A259455
Score: 4.37297
Type of gen. func.: ogf

$$\{(-8n^2-80n-192)a(n+1)+(9n^2+37n+68)a(n+2)$$
$$+(-n^2-6n-9)a(n+3), a(0)=1, a(1)=30, a(2)=270\}$$

Sequence: A259455
Score: 6.80240
Type of gen. func.: ogf

$$\frac{24x^3+58x^2+22x+1}{(x-1)^8}$$

Sequence: A259455
Score: 8.74594
Type of gen. func.: lgdogf

$$-\frac{120x^3+420x^2+270x+30}{24x^4+34x^3-36x^2-21x-1}$$

Sequence: A259457
Score: 3.76574
Type of gen. func.: ogf

$$\{(-2n^2-20n-50)a(n+1)+(-3n^2-37n-128)a(n+2)$$
$$+(3n+9)a(n+3), a(0)=3, a(1)=66, a(2)=1050\}$$

Sequence: A259457
Score: 5.03056
Type of gen. func.: egf]

$$\frac{3\,(x^4 + 20\,x^3 + 54\,x^2 + 28\,x + 2)}{2\,(x - 1)^8}$$

Sequence: A259457
Score: 6.15892
Type of gen. func.: lgdegf]

$$-\frac{-4\,x^4 - 104\,x^3 - 384\,x^2 - 304\,x - 44}{-x^5 - 19\,x^4 - 34\,x^3 + 26\,x^2 + 26\,x + 2}$$

Sequence: A259459
Score: 4.25863
Type of gen. func.: ogf

$$\{(n^3 + 13\,n^2 + 56\,n + 80)\,a(n + 1) + (-4 - 2\,n)\,a(n + 2),\ a(0) = 1,\ a(1) = 18\}$$

Sequence: A259462
Score: 4.78356
Type of gen. func.: ogf

$$\{(-n^4 - 19\,n^3 - 134\,n^2 - 416\,n - 480)\,a(n + 1) + (12 + 6\,n)\,a(n + 2),\ a(0) = 1,\ a(1) = 30\}$$

Sequence: A259474
Score: 4.31624
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^2 + 6]$$

Sequence: A259486
Score: 8.80619
Type of gen. func.: ogf

$$-\frac{x^4 + 11 x^3 + 6 x^2 + 5 x + 1}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A259491
Score: 7.55786
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-8 x^7 - 4 x^6 - 6 x^5 - 4 x^4 - 12 x^3 - 4 x^2 - 6 x - 4}{x^8 - 1}$$

Sequence: A259508
Score: 10.4354
Type of gen. func.: ogf

$$-\frac{8 x^2 - 9 x - 11}{2 x^3 - 3 x^2 - 2 x + 1}$$

Sequence: A259508
Score: 5.39162
Type of gen. func.: ogf

$$-(181 f(x) + 492) (2 f(x) x^3 - 3 f(x) x^2 - 2 f(x) x + 8 x^2 + f(x) - 9 x - 11)$$

Sequence: A259508
Score: 5.62604
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 11, a(1) = 31, a(2) = 87\}$$

Sequence: A259509

Score: 3.70638
Type of gen. func.: ogf

$$(117207020 f(x) - 1176527179) (18 f(x) x^4 + 4 f(x) x^3 - 11 f(x) x^2 + 142 x^3 - 2 f(x) x + 66 x^2 + f(x) - 67 x - 31)$$

Sequence: A259509
Score: 7.10388
Type of gen. func.: ogf

$$- \frac{142 x^3 + 66 x^2 - 67 x - 31}{(2 x^2 - 1) (9 x^2 + 2 x - 1)}$$

Sequence: A259517
Score: 10.4422
Type of gen. func.: ogf

$$- \frac{2 (x + 2) (4 x - 3)}{2 x^3 + 2 x^2 - 4 x + 1}$$

Sequence: A259517
Score: 5.67117
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 2 a(n + 1) - 2 a(n), a(0) = 12, a(1) = 38, a(2) = 120\}$$

Sequence: A259517
Score: 5.7205
Type of gen. func.: ogf

$$(17 f(x) - 64) (2 f(x) x^3 + 2 f(x) x^2 - 4 f(x) x + 8 x^2 + f(x) + 10 x - 12)$$

Sequence: A259518
Score: 5.50610
Type of gen. func.: ogf

$$-\frac{2\,(8\,x^{4}+41\,x^{3}-34\,x^{2}-29\,x+19)}{2\,x^{5}+10\,x^{4}-10\,x^{3}-7\,x^{2}+7\,x-1}$$

Sequence: A259529
Score: 7.92772
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{11}-x^{10}+x^{8}-x^{7}-x^{6}-x^{4}-x^{3}+x^{2}-1}{-x^{12}+1}$$

Sequence: A259538
Score: 6.74040
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{11}-2\,x^{10}-x^{8}-2\,x^{7}-2\,x^{6}-2\,x^{4}-2\,x^{3}-x^{2}-2}{x^{12}-1}$$

Sequence: A259546
Score: 5.78983
Type of gen. func.: ogf

$$\frac{x\,(x^{4}-4\,x^{3}+23\,x^{2}+4\,x+1)\,(x^{2}+1)}{(x^{2}+x-1)^{4}}$$

Sequence: A259547
Score: 4.15160
Type of gen. func.: ogf

$$-\frac{x\,(x^{8}-11\,x^{7}+87\,x^{6}-48\,x^{5}+240\,x^{4}+48\,x^{3}+87\,x^{2}+11\,x+1)}{(x^{2}+x-1)^{5}}$$

Sequence: A259552
Score: 7.69898
Type of gen. func.: ogf

$$-\frac{41 x^4 - 162 x^3 + 248 x^2 - 162 x + 41}{(x - 1)^5}$$

Sequence: A259554
Score: 3.6125
Type of gen. func.: ogf

$$-4 f(x)^3 x^4 + 71 f(x)^3 x^3 - 8 x^2 f(x)^3 - 4 f(x)^2 x^3 + 71 f(x)^2 x^2 - 8 f(x)^2 x - f(x) x^2 + 22 f(x) x - 2 f(x) + 2$$

Sequence: A259555
Score: 11.7226
Type of gen. func.: lgdogf

$$-\frac{-17 x^2 + 26 x - 21}{-17 x^3 + 47 x^2 - 47 x + 17}$$

Sequence: A259555
Score: 13.0048
Type of gen. func.: ogf

$$-\frac{17 x^2 - 30 x + 17}{(x - 1)^3}$$

Sequence: A259555
Score: 7.17507
Type of gen. func.: ogf

$$(3 f(x) - 286) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 17 x^2 - f(x) - 30 x + 17)$$

Sequence: A259555
Score: 7.23746
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 17,\ a(1) = 21,\ a(2) = 29\}$$

Sequence: A259557
Score: 4.94405
Type of gen. func.: ogf

$$\{(-32\,n^2 - 32\,n - 6)\,a(n) + (2\,n^2 + 3\,n + 1)\,a(n+1),\ a(0) = 1,\ a(1) = 3\}$$

Sequence: A259561
Score: 6.96307
Type of gen. func.: ogf

$$\frac{x\,(11\,x^9 - 15\,x^8 - 36\,x^7 + 6\,x^6 - 15\,x^5 + x^4 - 3\,x^3 - 2\,x^2 - x + 1)}{x^2 - 3\,x + 1}$$

Sequence: A259592
Score: 14.0966
Type of gen. func.: ogf

$$-\frac{(x+1)\,(x^2 - x - 1)}{x^4 - 4\,x^2 + 1}$$

Sequence: A259592
Score: 7.17419
Type of gen. func.: lgdogf

$$-\frac{-x^6 + 2\,x^4 + 4\,x^3 - 5\,x^2 - 8\,x - 2}{-x^7 + 6\,x^5 + x^4 - 9\,x^3 - 4\,x^2 + 2\,x + 1}$$

Sequence: A259592

Score: 8.19907
Type of gen. func.: ogf

$$-(28 f(x) + 9) (f(x) x^4 - 4 f(x) x^2 + x^3 + f(x) - 2 x - 1)$$

Sequence: A259593
Score: 13.7342
Type of gen. func.: ogf

$$-\frac{x^2 - 3 x - 2}{x^4 - 4 x^2 + 1}$$

Sequence: A259593
Score: 8.24055
Type of gen. func.: ogf

$$(28 f(x) + 41) (f(x) x^4 - 4 f(x) x^2 + x^2 + f(x) - 3 x - 2)$$

Sequence: A259594
Score: 11.1359
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 - 2 x - 1)}{x^4 - 10 x^2 + 1}$$

Sequence: A259594
Score: 6.68156
Type of gen. func.: ogf

$$-(1504 f(x) + 37) (f(x) x^4 - 10 f(x) x^2 + x^3 - x^2 + f(x) - 3 x - 1)$$

Sequence: A259595
Score: 11.2858
Type of gen. func.: ogf

3 2

$$\frac{x - 3 x + 7 x + 3}{x^{4} - 10 x^{2} + 1}$$

Sequence: A259595
Score: 7.02697
Type of gen. func.: ogf

$$(564 f(x) + 325) (f(x) x^{4} - 10 f(x) x^{2} - x^{3} + 3 x^{2} + f(x) - 7 x - 3)$$

Sequence: A259596
Score: 8.61999
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^{2} - x - 1) (x^{4} + 3 x^{2} + 1)}{x^{8} - 16 x^{4} + 1}$$

Sequence: A259597
Score: 7.87598
Type of gen. func.: ogf

$$\frac{x^{7} - x^{6} + 2 x^{5} - 3 x^{4} + 13 x^{3} + 8 x^{2} + 5 x + 3}{x^{8} - 16 x^{4} + 1}$$

Sequence: A259599
Score: 5.35971
Type of gen. func.: ogf

$$- \frac{x^{15} + x^{14} + x^{12} + x^{11} + x^{10} + x^{8} + x^{6} + x^{4} + x^{3} + x^{2} + 1}{(x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1) (x^{8} + 1)}$$

Sequence: A259614
Score: 13.2343
Type of gen. func.: ogf

$$\frac{7x^2 + 12x + 17}{(x + 1)(x - 1)^2}$$

Sequence: A259614
Score: 6.77855
Type of gen. func.: ogf

$$-(180 f(x) + 79253) (f(x) x^3 - f(x) x^2 - f(x) x - 7 x^2 + f(x) - 12 x - 17)$$

Sequence: A259614
Score: 7.25010
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 17, a(1) = 29, a(2) = 53}

Sequence: A259614
Score: 9.58346
Type of gen. func.: lgdogf

$$-\frac{-7x^3 - 31x^2 - 77x - 29}{-7x^4 - 12x^3 - 10x^2 + 12x + 17}$$

Sequence: A259623
Score: 9.18294
Type of gen. func.: ogf

$$-\frac{x^7 + x^6 + 2x^5 + x^4 - x^2 - 2x - 1}{(x - 1)(x + 1)(x^4 + x^2 - 1)}$$

Sequence: A259624
Score: 4.80411
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^4 + x^2 + x + 1) (x^5 + x^4 + x^3 + 2 x^2 + x + 1)}{}$$

$$(x^2 + x + 1) (x^6 + x^3 - 1)$$

Sequence: A259625
Score: 9.70666
Type of gen. func.: ogf

$$- \frac{x (x^7 + x^6 + x^5 - x^2 - 2 x - 1)}{(x - 1) (x + 1) (x^4 + x^2 - 1)}$$

Sequence: A259626
Score: 8.54596
Type of gen. func.: ogf

$$- \frac{x^8 + x^7 + x^6 + x^5 + x^4 - x^2 - 2 x - 1}{(x - 1) (x + 1) (x^4 + x^2 - 1)}$$

Sequence: A259627
Score: 5.09574
Type of gen. func.: ogf

$$- \frac{x (x + 1) (x^2 + 1) (2 x^6 + 2 x^5 + 2 x^4 + 2 x^3 + 3 x^2 + 2 x + 1)}{(x^2 + x + 1) (x^6 + x^3 - 1)}$$

Sequence: A259635
Score: 4.93646
Type of gen. func.: ogf

$(6141988 f(x) - 23897425)$

$$(f(x) x^4 + 3 f(x) x^3 - 2 x^4 + 10 x^3 + f(x) x + 40 x^2 - f(x) + 11 x + 18)$$

Sequence: A259635
Score: 8.77594
Type of gen. func.: ogf

$$\frac{2 x^4 - 10 x^3 - 40 x^2 - 11 x - 18}{x^4 + 3 x^3 + x - 1}$$

Sequence: A259636
Score: 5.65384
Type of gen. func.: ogf

$$\frac{5 x^6 - 46 x^5 - 72 x^4 - 15 x^3 + 78 x^2 + 35 x + 29}{3 x^6 + 3 x^5 - x^4 - 5 x^3 - x^2 - x + 1}$$

Sequence: A259637
Score: 3.54076
Type of gen. func.: ogf

$$(12 x^9 - 144 x^8 + 104 x^7 + 137 x^6 + 427 x^5 + 201 x^4 - 41 x^3 - 341 x^2 - 102 x - 69) / (4 x^9 - 4 x^8 - 5 x^7 - 12 x^6 - 2 x^5 + 4 x^4 + 10 x^3 + x^2 + x - 1)$$

Sequence: A259655
Score: 10.3543
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{3 x^3 + 2 x^2 + 3 x + 1}{-x^4 - x^3 - 2 x^2 - x - 1}$$

Sequence: A259657
Score: 6.31347
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{3 x^{11} + 2 x^8 + 3 x^7 + x^5 + 3 x^3 + 2 x^2}{-x^{12} + 1}$$

Sequence: A259658
Score: 4.61179
Type of gen. func.: ogf

$$- x (18144 x^{12} + 12800 x^{11} - 13708 x^{10} - 11200 x^{9} - 2870 x^{8} - 1068 x^{7} - 1302 x^{6} - 434 x^{5} - 240 x^{4} - 32 x^{3} - 8 x^{2} - 2 x - 1) / ((x - 1) (x + 1) (2 x^{2} - 1))$$

Sequence: A259659
Score: 6.24022
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-3 x^{8} - 3 x^{7} - 3 x^{6} + x^{5} - 2 x^{2} - 3 x - 3}{x^{9} - x^{6} + x^{3} - 1}$$

Sequence: A259660
Score: 7.13384
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-2 x^{5} - 2 x^{4} + x^{2}}{x^{6} + x^{5} - x^{3} + x + 1}$$

Sequence: A259661
Score: 14.2450
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (10 x - 1) (x^{2} + 1)}$$

Sequence: A259661
Score: 5.4109
Type of gen. func.: ogf

(10001 f(x) + 24000)

4 3 2

$$(10 f(x) x - 11 f(x) x + 11 f(x) x - 11 f(x) x + f(x) - 1)$$

Sequence: A259661
Score: 7.93188
Type of gen. func.: lgdogf

$$-\frac{40 x^3 - 33 x^2 + 22 x - 11}{10 x^4 - 11 x^3 + 11 x^2 - 11 x + 1}$$

Sequence: A259709
Score: 8.36925
Type of gen. func.: ogf

$$-\frac{x (2 x^2 + 4 x - 1)}{(x^2 + 2 x - 1) (x^2 + x - 1)^2}$$

Sequence: A259711
Score: 15.4960
Type of gen. func.: ogf

$$-\frac{5040 (2 x - 3)}{(x - 1)^2}$$

Sequence: A259711
Score: 17.1101
Type of gen. func.: lgdogf

$$-\frac{-2 x + 4}{-2 x^2 + 5 x - 3}$$

Sequence: A259711
Score: 9.12540
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 15120, a(1) = 20160\}$$

Sequence: A259713
Score: 12.0259
Type of gen. func.: lgdogf

$$-\frac{-14 x^2 - 4 x - 8}{-14 x^3 - 9 x^2 + 6 x + 1}$$

Sequence: A259713
Score: 17.6380
Type of gen. func.: ogf

$$-\frac{7 x + 1}{(2 x - 1) (x + 1)}$$

Sequence: A259713
Score: 9.33773
Type of gen. func.: ogf

$$(f(x) - 2) (2 f(x) x^2 + f(x) x - f(x) + 7 x + 1)$$

Sequence: A259713
Score: 9.67937
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - 2 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A259714
Score: 9.97064
Type of gen. func.: ogf

$$\frac{(x - 1) (x^4 + x^3 + x^2 + x + 1)}{(x + 1) (x^4 + 3 x^3 + 2 x - 1)}$$

Sequence: A259716

Score: 5.405
Type of gen. func.: ogf

$(113736517304 f(x) - 517589474565)$

$(3 f(x) x^4 + 4 f(x) x^3 + 114 x^3 + 140 x^2 - f(x) + 54 x + 32)$

Sequence: A259716
Score: 9.82037
Type of gen. func.: ogf

$$- \frac{2 (57 x^3 + 70 x^2 + 27 x + 16)}{3 x^4 + 4 x^3 - 1}$$

Sequence: A259717
Score: 3.87663
Type of gen. func.: ogf

$$- (156 x^9 + 152 x^8 - 81 x^7 - 286 x^6 - 477 x^5 - 363 x^4 + 27 x^3 + 174 x^2 + 95 x + 54) / (3 x^{10} + 2 x^9 - 3 x^8 - 5 x^7 - 8 x^6 - 4 x^5 + 4 x^4 + 5 x^3 + x^2 - 1)$$

Sequence: A259735
Score: 7.15644
Type of gen. func.: ogf

$$\frac{2 x^6 - 24 x^5 + x^4 - 40 x^3 - 22 x^2 - 22 x - 20}{2 x^6 + 3 x^4 + x^2 - 1}$$

Sequence: A259736
Score: 5.21364
Type of gen. func.: ogf

$(21860143 f(x) - 98699759)$

$(f(x) x^4 + 2 f(x) x^3 + 18 x^3 + f(x) x + 38 x^2 - f(x) + 14 x + 22)$

Sequence: A259736
Score: 9.78452
Type of gen. func.: ogf

$$-\frac{2(9x^3+19x^2+7x+11)}{x^4+2x^3+x-1}$$

Sequence: A259737
Score: 4.27258
Type of gen. func.: ogf

$$-2(12x^{10}+52x^9-8x^8-74x^7+9x^6+50x^5+17x^4+113x^3+53x^2+37x+21)\Big/(4x^{10}-6x^8+4x^6+9x^4+2x^2-1)$$

Sequence: A259738
Score: 3.56676
Type of gen. func.: ogf

$$-2(3x^{10}+16x^9-30x^8-76x^7+27x^6+106x^5+80x^4+123x^3+119x^2+37x+31)\Big/(x^{10}-x^9-4x^8+x^7+5x^6+3x^5+5x^4+4x^3+x-1)$$

Sequence: A259743
Score: 9.31232
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4x^4+x^3-3}{x^5-x^4+x-1}$$

Sequence: A259749
Score: 4.86050
Type of gen. func.: ogf

$$\frac{(x^2+1)(x^7+3x^6-2x^5+2x^4-x^3+2x^2+1)}{(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x-1)^2}$$

Sequence: A259750
Score: 10.0226
Type of gen. func.: lgdogf

$$-\frac{-x^3-9x^2-27x-11}{-x^4-4x^3-6x^2+4x+7}$$

Sequence: A259750
Score: 13.2556
Type of gen. func.: ogf

$$\frac{2(x^2+4x+7)}{(x+1)(x-1)^2}$$

Sequence: A259750
Score: 6.96483
Type of gen. func.: ogf

$$-(2 f(x) + 395) (f(x) x^3 - f(x) x^2 - f(x) x - 2 x^2 + f(x) - 8 x - 14)$$

Sequence: A259750
Score: 7.14652
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 14, a(1) = 22, a(2) = 38}

Sequence: A259751
Score: 11.3594
Type of gen. func.: lgdogf

3 2

$$-\frac{x + 3 x + 6 x + 2}{x^4 + x^3 - x - 1}$$

Sequence: A259751
Score: 13.4079
Type of gen. func.: ogf

$$\frac{8 (x^2 + x + 1)}{(x + 1) (x - 1)^2}$$

Sequence: A259751
Score: 32.5582
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + x + 2$$

Sequence: A259751
Score: 7.17439
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 8, a(1) = 16, a(2) = 32\}$$

Sequence: A259751
Score: 7.23788
Type of gen. func.: ogf

$$(5 f(x) + 344) (f(x) x^3 - f(x) x^2 - f(x) x - 8 x^2 + f(x) - 8 x - 8)$$

Sequence: A259752
Score: 17.2837
Type of gen. func.: lgdogf

$$-\frac{-3 x - 5}{-3 x^2 + 2 x + 1}$$

Sequence: A259752
Score: 18.0351
Type of gen. func.: ogf

$$\frac{6\,(3\,x+1)}{(x-1)^2}$$

Sequence: A259752
Score: 9.53581
Type of gen. func.: ogf

$$(4\,f(x)+51)\,(f(x)\,x^2-2\,f(x)\,x+f(x)-18\,x-6)$$

Sequence: A259752
Score: 9.99537
Type of gen. func.: ogf

$$\{-a(n+2)+2\,a(n+1)-a(n),\ a(0)=6,\ a(1)=30\}$$

Sequence: A259754
Score: 9.66084
Type of gen. func.: ogf

$$\frac{3\,(x+1)\,(x^4+x^2+x+1)}{(x^4+x^3+x^2+x+1)\,(x-1)^2}$$

Sequence: A259755
Score: 11.3594
Type of gen. func.: lgdogf

$$-\frac{-x^3-9\,x^2-9\,x-5}{-x^4-4\,x^3+4\,x+1}$$

Sequence: A259755
Score: 13.1916

Type of gen. func.: ogf

$$\frac{4\,(x^{2} + 4\,x + 1)}{(x + 1)\,(x - 1)^{2}}$$

Sequence: A259755
Score: 7.17439
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n),\ a(0) = 4,\ a(1) = 20,\ a(2) = 28\}$$

Sequence: A259755
Score: 7.23788
Type of gen. func.: ogf

$$(2\,f(x) + 19)\,(f(x)\,x^{3} - f(x)\,x^{2} - f(x)\,x - 4\,x^{2} + f(x) - 16\,x - 4)$$

Sequence: A259765
Score: 4.55576
Type of gen. func.: ogf

$$\frac{6\,x^{8} - 29\,x^{7} + 26\,x^{6} - 22\,x^{5} - 18\,x^{4} + 88\,x^{3} + 72\,x^{2} + 49\,x + 32}{x^{8} - 2\,x^{7} + x^{6} - 2\,x^{5} - 6\,x^{4} - 2\,x^{3} - x^{2} + 1}$$

Sequence: A259790
Score: 4.96214
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4\,x^{6} + x^{5} - 2\,x^{4} - x^{3} - 5\,x^{2} + 2\,x - 3}{x^{7} - x^{6} + x^{5} - x^{4} + x^{3} - x^{2} + x - 1}$$

Sequence: A259821
Score: 11.0276
Type of gen. func.: ogf

$$\frac{3 x^2 - 11 x + 4}{(3 x - 1) (x - 1)}$$

Sequence: A259821
Score: 5.78149
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 3 a(n + 1), a(0) = 4, a(1) = 5, a(2) = 11\}$$

Sequence: A259821
Score: 6.01507
Type of gen. func.: ogf

$$-(2 f(x) + 17) (3 f(x) x^2 - 4 f(x) x - 3 x^2 + f(x) + 11 x - 4)$$

Sequence: A259821
Score: 7.73368
Type of gen. func.: lgdogf

$$- \frac{21 x^2 - 18 x + 5}{-9 x^4 + 45 x^3 - 59 x^2 + 27 x - 4}$$

Sequence: A259834
Score: 4.70596
Type of gen. func.: ogf

$$\{(2 n^2 - 3 n + 1) a(n) + (2 n^2 - 3 n - 1) a(n + 1) + (-2 n + 3) a(n + 2),$$

$$a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A259845
Score: 11.4809
Type of gen. func.: ogf

$$f(x)^2 x - 2 f(x) x^2 - f(x) + 2 x + 1$$

Sequence: A259845
Score: 9.39348
Type of gen. func.: revogf

$$-\frac{-1 + (8 x^{3} - 16 x^{2} + 8 x + 1)^{1/2}}{4 (x - 1)}$$

Sequence: A259860
Score: 11.4267
Type of gen. func.: ogf

$$\frac{x + 1}{x^{4} - 4 x^{3} + 8 x^{2} - 4 x + 1}$$

Sequence: A259860
Score: 5.28053
Type of gen. func.: ogf

$$-(24480 f(x) - 8099)$$

$$(f(x) x^{4} - 4 f(x) x^{3} + 8 f(x) x^{2} - 4 f(x) x + f(x) - x - 1)$$

Sequence: A259860
Score: 7.18589
Type of gen. func.: lgdogf

$$-\frac{-3 x^{4} + 4 x^{3} + 4 x^{2} - 16 x + 5}{-x^{5} + 3 x^{4} - 4 x^{3} - 4 x^{2} + 3 x - 1}$$

Sequence: A259861
Score: 5.0552
Type of gen. func.: ogf

$$-(2720 f(x) + 667)$$

$$(f(x) x^{4} - 4 f(x) x^{3} + 8 f(x) x^{2} + x^{3} - 4 f(x) x - 3 x^{2} + f(x) + 6 x - 2)$$

Sequence: A259861
Score: 9.58519
Type of gen. func.: ogf

$$-\frac{x^3 - 3x^2 + 6x - 2}{x^4 - 4x^3 + 8x^2 - 4x + 1}$$

Sequence: A259877
Score: 8.84341
Type of gen. func.: lgdegf]

$$-\frac{x^6 + 12x^4 + 6x^3 + 27x^2 + 18x + 6}{-x^5 - 7x^3 - 6x^2 - 6x - 6}$$

Sequence: A259884
Score: 8.75454
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3x^4 + 3x^3 + 5x^2 + 4x + 3}{-x^5 - 2x^4 - 3x^3 - 3x^2 - 2x - 1}$$

Sequence: A259887
Score: 4.47292
Type of gen. func.: ogf

$$(781235413459082 f(x) - 2638454064647271)$$

$$(3 f(x) x^4 + 5 f(x) x^3 + 114 x^3 + f(x) x + 148 x^2 - f(x) + 33 x + 34)$$

Sequence: A259887
Score: 9.18441
Type of gen. func.: ogf

$$-\frac{114x^3 + 148x^2 + 33x + 34}{3x^4 + 5x^3 + x - 1}$$

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------------------------------------------------------------------------------

Sequence:  A259888
Score: 4.25777
Type of gen. func.: ogf

              7        6        5        4        3        2
         156 x  - 125 x  - 179 x  - 316 x  - 321 x  + 332 x  - 27 x + 67
       - ---------------------------------------------------------------
               8      7      6      5      4       3      2
            3 x  - 2 x  - 5 x  - 5 x  - 8 x  + 11 x  - 3 x  + 3 x - 1



------------------------------------------------------------------------------

Sequence:  A259895
Score: 8.45681
Type of gen. func.: ogf_with_Euler_transform]

                                      4    2
                                  -2 x  - x  - x
                               - ----------------
                                  5    3    2
                                 x  + x  + x  + 1



------------------------------------------------------------------------------

Sequence:  A259896
Score: 8.90871
Type of gen. func.: ogf_with_Euler_transform]

                                     6    5
                                 -2 x  - x  - 1
                               - ---------------
                                  7    6
                                 x  + x  + x + 1



------------------------------------------------------------------------------

Sequence:  A259900
Score: 4.28224
Type of gen. func.: ogf


    2                       2
{(-n  - 3 n) a(n + 1) + (2 n  + 11 n + 16) a(n + 2) + (-2 - n) a(n + 3),

    a(0) = 0, a(1) = 1, a(2) = 7}



------------------------------------------------------------------------------

Sequence:  A259902
Score: 4.15359
Type of gen. func.: ogf


    2                       2
{(-n  - 3 n) a(n + 1) + (2 n  + 11 n + 13) a(n + 2) + (-2 - n) a(n + 3),
```

$a(0) = 0, a(1) = 1, a(2) = 4\}$

Sequence: A259904
Score: 4.16387
Type of gen. func.: ogf

$$\{(n + 3) a(n + 1) + (2 n^2 + 10 n + 11) a(n + 2) + (-2 - n) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 3\}$$

Sequence: A259906
Score: 4.25808
Type of gen. func.: ogf

$$\{(-3 - n) a(n + 1) + (-2 n^2 - 10 n - 13) a(n + 2) + (n + 2) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 5\}$$

Sequence: A259907
Score: 8.21756
Type of gen. func.: ogf

$$-\frac{x^6 + 120 x^5 + 1191 x^4 + 2416 x^3 + 1191 x^2 + 120 x + 1}{(x - 1)^3}$$

Sequence: A259910
Score: 12.5719
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^4 - 2 x^3 + x^2 + x - 2}{-x^5 + 1}$$

Sequence: A259920
Score: 10.2084
Type of gen. func.: ogf_with_Euler_transform]

9   8   5   4   3

$$-\frac{-x + x + x - 2x + x + 1}{x^{10} - 1}$$

Sequence: A259945
Score: 4.62303
Type of gen. func.: ogf

$$\frac{6x^8 - 23x^7 + 14x^6 - 13x^5 - 44x^4 + 81x^3 + 62x^2 + 26x + 34}{(x + 1)(x^7 - 2x^6 + 3x^5 - 3x^4 - 3x^3 + x^2 - 2x + 1)}$$

Sequence: A259946
Score: 3.71670
Type of gen. func.: ogf

$$(12x^9 - 144x^8 + 90x^7 - 34x^6 + 66x^5 + 514x^4 - 9x^3 - 89x^2 - 50x - 60) \Big/ ((4x^7 + 6x^5 + 2x^4 - 6x^3 + 2x^2 - 3x + 1)(x^2 - x - 1))$$

Sequence: A259955
Score: 5.21842
Type of gen. func.: ogf

$$\frac{4x^7 - 16x^6 - 72x^5 - 84x^4 - 96x^3 - 88x^2 - 33x - 34}{2x^7 + 6x^6 + 6x^5 + 5x^4 + 3x^3 + x - 1}$$

Sequence: A259956
Score: 4.08896
Type of gen. func.: ogf

$$\frac{7x^8 - 5x^7 - 28x^6 - 68x^5 - 49x^4 + 54x^3 + 159x^2 + 79x + 67}{x^8 + 2x^7 + 2x^6 - x^5 - 5x^4 - 6x^3 - 2x^2 - x + 1}$$

Sequence: A259966

Score: 9.45305
Type of gen. func.: ogf

$$-\frac{x^{2} (x - 2)}{(x^{3} - x^{2} + 2 x - 1)^{2}}$$

Sequence: A259966
Score: 9.79889
Type of gen. func.: lgdogf

$$-\frac{-5 x^{3} + 15 x^{2} - 10 x + 7}{-x^{4} + 3 x^{3} - 4 x^{2} + 5 x - 2}$$

Sequence: A259967
Score: 13.1414
Type of gen. func.: ogf

$$-\frac{(x - 1) (x - 3)}{x^{3} - x^{2} + 2 x - 1}$$

Sequence: A259967
Score: 6.85149
Type of gen. func.: ogf

$$-(23 f(x) - 75) (f(x) x^{3} - f(x) x^{2} + 2 f(x) x + x^{2} - f(x) - 4 x + 3)$$

Sequence: A259967
Score: 7.15736
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1) + a(n), a(0) = 3, a(1) = 2, a(2) = 2\}$$

Sequence: A259967
Score: 8.09721
Type of gen. func.: lgdogf

$$-\frac{x^4 - 8x^3 + 11x^2 - 4x + 2}{x^5 - 5x^4 + 9x^3 - 12x^2 + 10x - 3}$$

Sequence: A259968
Score: 13.1414
Type of gen. func.: ogf

$$-\frac{2x^2 - x + 1}{x^3 - x^2 + 2x - 1}$$

Sequence: A259968
Score: 7.15736
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 1, a(2) = 3}

Sequence: A259968
Score: 9.00701
Type of gen. func.: ogf

$$-f(x)\,x^3 + f(x)\,x^2 - 2\,f(x)\,x - 2x^2 + f(x) + x - 1$$

Sequence: A259968
Score: 9.10936
Type of gen. func.: lgdogf

$$-\frac{-2x^4 + 2x^3 - 2x - 1}{-2x^5 + 3x^4 - 6x^3 + 5x^2 - 3x + 1}$$

Sequence: A259969
Score: 7.42215
Type of gen. func.: ogf

$$\frac{x\,(x^4 - 6x^3 + 7x^2 - 2x + 1)}{}$$

$$(x^3 - x^2 + 2 x - 1)^2$$

Sequence: A259994
Score: 5.45732
Type of gen. func.: ogf

$$- \frac{159 x^6 + 62 x^5 + 244 x^4 - 117 x^3 - 185 x^2 - 51 x - 48}{(x - 1) (5 x^6 + 5 x^5 + 12 x^4 + 5 x^3 - 1)}$$

Sequence: A260006
Score: 10.3020
Type of gen. func.: ogf

$$\frac{x (2 x^2 - 6 x + 3)}{(2 x - 1)^2 (x - 1)^2}$$

Sequence: A260006
Score: 5.55861
Type of gen. func.: ogf

$$-(f(x) - 1)$$

$$(4 f(x) x^4 - 12 f(x) x^3 + 13 f(x) x^2 - 2 x^3 - 6 f(x) x + 6 x^2 + f(x) - 3 x)$$

Sequence: A260006
Score: 8.98428
Type of gen. func.: lgdogf

$$- \frac{8 x^3 - 36 x^2 + 38 x - 12}{4 x^4 - 18 x^3 + 26 x^2 - 15 x + 3}$$

Sequence: A260008
Score: 4.04334
Type of gen. func.: ogf

$$(10 x^9 - 25 x^8 + 18 x^7 + 12 x^6 - 31 x^5 + 34 x^4 - 111 x^3 - 37 x^2 - 49 x - 36) \Big/ (x^9 - x^8 + x^7 + 2 x^6 + x^5 + 7 x^4 + 2 x^2 - 1)$$

Sequence: A260009
Score: 4.56678
Type of gen. func.: ogf

$$\frac{x^9 - 33 x^8 + 20 x^7 + 9 x^6 + 27 x^5 + 169 x^4 - 25 x^3 - 56 x^2 - 49}{(x^3 - x^2 - 2 x + 1) (x^6 + 2 x^4 - x^2 - 1)}$$

Sequence: A260023
Score: 10.8704
Type of gen. func.: ogf

$$\{-a(n + 5) + a(n + 4), a(0) = 77, a(1) = 49, a(2) = 36, a(3) = 18, a(4) = 8\}$$

Sequence: A260023
Score: 11.4857
Type of gen. func.: ogf

$$(29575 f(x) + 1784092) (-10 x^4 - 18 x^3 + f(x) x - 13 x^2 - f(x) - 28 x + 77)$$

Sequence: A260023
Score: 11.5950
Type of gen. func.: lgdogf

$$- \frac{-30 x^4 + 4 x^3 + 41 x^2 + 26 x - 49}{10 x^5 + 8 x^4 - 5 x^3 + 15 x^2 - 105 x + 77}$$

Sequence: A260023
Score: 18.4467
Type of gen. func.: ogf

$$10 x^4 + 18 x^3 + 13 x^2 + 28 x - 77$$

$$\frac{\quad}{x - 1}$$

Sequence: A260033
Score: 11.9325
Type of gen. func.: ogf

$$-\frac{x^2 - 4x + 1}{x^3 - 7x^2 + 11x - 1}$$

Sequence: A260033
Score: 6.37775
Type of gen. func.: ogf

$$(919 f(x) + 386) (f(x) x^3 - 7 f(x) x^2 + 11 f(x) x + x^2 - f(x) - 4 x + 1)$$

Sequence: A260033
Score: 6.48963
Type of gen. func.: ogf

$$\{-a(n + 3) + 11 a(n + 2) - 7 a(n + 1) + a(n), a(0) = 1, a(1) = 7, a(2) = 71\}$$

Sequence: A260033
Score: 7.25312
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 8x^3 - 20x^2 + 12x - 7}{-x^5 + 11x^4 - 40x^3 + 52x^2 - 15x + 1}$$

Sequence: A260063
Score: 6.05236
Type of gen. func.: ogf

$$-\frac{64x^5 + 205x^4 - 109x^3 - 165x^2 - 43x - 48}{2x^6 + 5x^5 - 5x^4 - 4x^3 - x + 1}$$

Sequence: A260089
Score: 5.73720
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^{6} - x^{5} - 2 x^{4} - 2 x^{3} - 2 x^{2} - 2 x - 1}{x^{7} + x^{6} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + x + 1}$$

Sequence: A260099
Score: 3.78239
Type of gen. func.: ogf

$$(20 x^{9} - 112 x^{8} + 172 x^{7} - 20 x^{6} + 4 x^{5} - 6 x^{4} - 206 x^{3} - 110 x^{2} - 85 x - 48) \Big/ (2 x^{9} - 8 x^{8} + 6 x^{7} + 2 x^{6} + 6 x^{5} + 11 x^{4} + 2 x^{3} + 2 x^{2} - 1)$$

Sequence: A260113
Score: 3.79874
Type of gen. func.: ogf

$$-\frac{x^{8} - 2 x^{5} - x^{2} - x - 1}{(x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A260118
Score: 5.24976
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^{7} + x^{6} + x^{5} - 2 x^{4} + x - 1}{x^{8} - x^{7} + x^{5} - x^{3} + x - 1}$$

Sequence: A260131
Score: 4.84049
Type of gen. func.: ogf

$(3070994 f(x) - 23897425)$

$$(f(x)\,x^4 + 3\,f(x)\,x^3 - 4\,x^4 + 20\,x^3 + f(x)\,x + 80\,x^2 - f(x) + 22\,x + 36)$$

Sequence: A260131
Score: 8.60532
Type of gen. func.: ogf

$$\frac{2\,(2\,x^4 - 10\,x^3 - 40\,x^2 - 11\,x - 18)}{x^4 + 3\,x^3 + x - 1}$$

Sequence: A260132
Score: 5.32674
Type of gen. func.: ogf

$$\frac{2\,(5\,x^6 - 46\,x^5 - 72\,x^4 - 15\,x^3 + 78\,x^2 + 35\,x + 29)}{3\,x^6 + 3\,x^5 - x^4 - 5\,x^3 - x^2 - x + 1}$$

Sequence: A260133
Score: 3.35582
Type of gen. func.: ogf

$$2\,(12\,x^9 - 144\,x^8 + 104\,x^7 + 137\,x^6 + 427\,x^5 + 201\,x^4 - 41\,x^3 - 341\,x^2 - 102\,x - 69) \Big/ (4\,x^9 - 4\,x^8 - 5\,x^7 - 12\,x^6 - 2\,x^5 + 4\,x^4 + 10\,x^3 + x^2 + x - 1)$$

Sequence: A260160
Score: 11.7230
Type of gen. func.: lgdogf

$$-\frac{-8\,x^5 - 2\,x^3 - 2\,x}{-x^6 + 1}$$

Sequence: A260160
Score: 14.5886

Type of gen. func.: ogf

$$\frac{x^4}{(x^2+x+1)\,(x^2-x+1)\,(x-1)^2\,(x+1)^2}$$

Sequence: A260160
Score: 26.1916
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5+x]$$

Sequence: A260162
Score: 5.04624
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^{10}+x^9+x^8+x^7+2x^6+x^5+2x^4+x^3+x^2+x+2}{-x^{12}+1}$$

Sequence: A260163
Score: 9.20594
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^7+x^6+3x^5+x^4-3x^3+x^2+3x+1}{x^8-1}$$

Sequence: A260164
Score: 9.12789
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^7-x^6-x^5-x^4-x^3-x^2-x-1}{-x^8+1}$$

Sequence: A260165

Score: 9.78609
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4 x^4 - 3 x^2 - x - 4}{x^5 + x^4 + x^3 + x^2 + x + 1}$$

Sequence: A260181
Score: 10.5815
Type of gen. func.: ogf

$$\frac{3 x^4 + 2 x^3 + 2 x^2 + x + 2}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A260188
Score: 10.4509
Type of gen. func.: lgdogf

$$-\frac{672 x^{29} - 696 x^{28} + 16 x^5 - 20 x^4 - 2}{-24 x^{30} + 24 x^{29} - 4 x^6 + 4 x^5 - x^2 + 1}$$

Sequence: A260188
Score: 22.0418
Type of gen. func.: ogf

$$-\frac{24 x^{29} + 4 x^5 + x + 1}{x - 1}$$

Sequence: A260190
Score: 10.9329
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 - x + 1)}{x^4 - x^2 + 1}$$

Sequence: A260190
Score: 12.5593
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} - 2\,x^{5} - x^{3} + x^{2} + x$$

Sequence: A260190
Score: 8.64839
Type of gen. func.: ogf

$$-f(x)\,x^{4} + f(x)\,x^{2} + x^{3} - f(x) + 1$$

Sequence: A260192
Score: 10.9329
Type of gen. func.: ogf

$$-\frac{(x - 1)\,(x^{2} + x + 1)}{x^{4} - x^{2} + 1}$$

Sequence: A260192
Score: 12.5593
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} - x^{5} - x^{3} - x^{2} + x$$

Sequence: A260192
Score: 8.64839
Type of gen. func.: ogf

$$-f(x)\,x^{4} + f(x)\,x^{2} - x^{3} - f(x) + 1$$

Sequence: A260196
Score: 11.6477
Type of gen. func.: ogf

2

$$-\frac{2 x - 4 x + 1}{x - 1}$$

Sequence: A260196
Score: 6.23983
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2), a(0) = 1, a(1) = -3, a(2) = -1\}$$

Sequence: A260196
Score: 9.88955
Type of gen. func.: ogf

$$-f(x) x - 2 x^2 + f(x) + 4 x - 1$$

Sequence: A260200
Score: 6.82461
Type of gen. func.: ogf

$$\frac{2 (4 x^6 + 4 x^5 - 8 x^4 - 18 x^3 - 4 x^2 - 4 x + 13)}{2 x^5 + 2 x^4 - x^2 - 2 x + 1}$$

Sequence: A260201
Score: 4.50449
Type of gen. func.: ogf

$$\frac{12 x^8 - 5 x^7 - 21 x^6 - 17 x^5 - 11 x^4 - 28 x^3 + 83 x^2 + 36 x + 44}{x^8 + x^7 - x^5 - 2 x^4 - 5 x^3 - x^2 - x + 1}$$

Sequence: A260217
Score: 11.4886
Type of gen. func.: lgdogf

$$-\frac{18 x^2 - 22 x + 6}{6 x^3 - 11 x^2 + 6 x - 1}$$

Sequence: A260217
Score: 16.7334
Type of gen. func.: ogf

$$-\frac{4 x^{2}}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A260217
Score: 6.93458
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 11 a(n + 1) - 6 a(n), a(0) = 0, a(1) = 0, a(2) = 4\}$$

Sequence: A260217
Score: 9.38706
Type of gen. func.: ogf

$$6 f(x) x^{3} - 11 f(x) x^{2} + 6 f(x) x + 4 x^{2} - f(x)$$

Sequence: A260220
Score: 12.8499
Type of gen. func.: ogf

$$-\frac{x^{2} + x + 1}{(x^{2} + 1) (x - 1)^{3} (x + 1)^{3}}$$

Sequence: A260220
Score: 25.2066
Type of gen. func.: ogf_with_Euler_transform]

$$x^{3} - x^{2} + 2 x + 1$$

Sequence: A260241
Score: 5.07980

Type of gen. func.: ogf

$$\frac{102 x^6 - 239 x^5 + 141 x^4 - 111 x^3 + 154 x^2 + 3 x + 48}{9 x^6 - 9 x^5 + 4 x^4 - 9 x^3 + 2 x^2 - 2 x + 1}$$

Sequence: A260253
Score: 7.38262
Type of gen. func.: ogf

$$- \frac{x^7 + x^6 + 2 x^4 + x^3 + 2 x^2 + 1}{(x^2 + x + 1) (x^2 - x + 1) (x - 1)^3 (x + 1)^3}$$

Sequence: A260259
Score: 13.0041
Type of gen. func.: ogf

$$- \frac{x^2 - 4 x + 1}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A260259
Score: 6.66598
Type of gen. func.: ogf

$$-(547 f(x) + 300) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + x^2 + f(x) - 4 x + 1)$$

Sequence: A260259
Score: 7.08261
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = -1, a(1) = 2, a(2) = 1\}$$

Sequence: A260259
Score: 8.17786
Type of gen. func.: lgdogf

$$-\frac{x^4 - 8x^3 + 13x^2 - 6x + 2}{x^5 - 6x^4 + 7x^3 + 7x^2 - 6x + 1}$$

Sequence: A260260
Score: 10.7188
Type of gen. func.: ogf

$$\frac{x(22x^2 + 25x + 1)}{(x - 1)^4}$$

Sequence: A260260
Score: 11.4844
Type of gen. func.: lgdogf

$$-\frac{44x^2 + 119x + 29}{22x^3 + 3x^2 - 24x - 1}$$

Sequence: A260260
Score: 3.94072
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (19 + 24 n) a(n + 3) + (-122 - 3 n) a(n + 2)$$
$$+ (-44 - 22 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 29, a(3) = 132\}$$

Sequence: A260260
Score: 5.08802
Type of gen. func.: ogf

$$-(1484537856 f(x) + 15721788947)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 22 x^3 - 4 f(x) x - 25 x^2 + f(x) - x)$$

Sequence: A260277
Score: 5.35113
Type of gen. func.: ogf

$$\frac{x^9 + x^8 - 22 x^7 - 9 x^6 - 5 x^5 + 8 x^4 - x^3 - 53 x^2 - 12 x - 34}{x^8 + x^4 + 3 x^3 + x - 1}$$

Sequence: A260278
Score: 3.63821
Type of gen. func.: ogf

$$- (4 x^{11} + 12 x^{10} - 19 x^9 + 41 x^8 + 16 x^7 - 43 x^6 - 165 x^5 - 16 x^4 - 27 x^3 + 145 x^2 + 39 x + 46) / ((x^3 - x^2 - 1) (3 x^6 + 3 x^5 - x^4 - 5 x^3 - x^2 - x + 1))$$

Sequence: A260287
Score: 3.79405
Type of gen. func.: ogf

$$- 2 (96 x^9 + 256 x^8 + 88 x^7 - 280 x^6 - 294 x^5 - 155 x^4 - 184 x^3 - 137 x^2 - 52 x - 24) / (8 x^9 + 4 x^8 - 8 x^7 - 8 x^6 - 2 x^5 - 5 x^4 - 4 x^3 + 1)$$

Sequence: A260295
Score: 8.90671
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{4 x^4 + 2 x^3 + 3 x^2 + x + 2}{-x^5 - x^4 - x^3 - x^2 - x - 1}$$

Sequence: A260301
Score: 9.62268
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{4 x^5 - 3 x^4 + 3 x^3 + 2 x^2 + 3 x - 3}{-x^6 + 1}$$

Sequence: A260302
Score: 6.96215
Type of gen. func.: lgdogf

$$-\frac{-10 x^4 + 58 x^3 - 372 x^2 - 1238 x - 1378}{-10 x^5 + 59 x^4 - 222 x^3 - 50 x^2 - 8 x + 231}$$

Sequence: A260302
Score: 7.08759
Type of gen. func.: ogf

$$-\frac{x^2 (10 x^4 - 49 x^3 + 173 x^2 + 223 x + 231)}{(x - 1)^5}$$

Sequence: A260304
Score: 11.2039
Type of gen. func.: lgdogf

$$-\frac{-35 x^2 + 20 x - 3}{-35 x^3 + 45 x^2 - 17 x + 2}$$

Sequence: A260304
Score: 12.271
Type of gen. func.: ogf

$$-5 f(x) x^2 + 5 f(x) x - f(x) - 7 x + 2$$

Sequence: A260304
Score: 17.1793
Type of gen. func.: ogf

$$-\frac{7 x - 2}{5 x^2 - 5 x + 1}$$

Sequence: A260304
Score: 9.42768
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 5 a(n), a(0) = 2, a(1) = 3\}$$

Sequence: A260307
Score: 8.45273
Type of gen. func.: ogf

$$\frac{x^6 + x^5 + 3 x^4 + 2 x^3 + 2 x^2 + 2 x + 1}{(x^2 + x + 1) (x^2 - x + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A260308
Score: 6.15343
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^8 - x^7 + x^6 - x^5 + 3 x^2 - x + 1}{-x^9 - x^6 - x^3 - 1}$$

Sequence: A260309
Score: 4.04006
Type of gen. func.: ogf_with_Euler_transform]

$$- (2 x^{11} - 2 x^{10} + 3 x^9 - 2 x^8 + x^7 - 2 x^6 + 5 x^5 - 2 x^4 + x^3 - 2 x^2 + 3 x - 2) / (-x^{12} + 1)$$

Sequence: A260313
Score: 11.6488
Type of gen. func.: ogf_with_Euler_transform]

```
          2
         x  - 2 x + 3
     - ----------------
         3    2
```

$$-x - x - x - 1$$

Sequence: A260314
Score: 14.2073
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^3 - 4x^2 + 4x - 4}{-x^4 + 1}$$

Sequence: A260316
Score: 11.2905
Type of gen. func.: ogf

$$\frac{x^2 (2x^3 + 3x^2 + x + 1)}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A260334
Score: 5.80749
Type of gen. func.: ogf

$$-\frac{x (17x^6 + 487x^5 + 2108x^4 + 2642x^3 + 1121x^2 + 103x + 2)}{(x + 1) (x - 1)^7}$$

Sequence: A260363
Score: 5.31679
Type of gen. func.: ogf

$$-\frac{2 (50x^6 + 2x^5 - 23x^4 - 33x^3 - 89x^2 - 15x - 24)}{x^7 + 3x^6 - 5x^5 + x^4 - 5x^3 + x^2 - x + 1}$$

Sequence: A260394
Score: 7.27032
Type of gen. func.: ogf

$$-\frac{x\,(x^{38} - x^{30} + x^{6} + x^{4} + x^{3} + x + 1)}{(x - 1)\,(x + 1)\,(x^{2} + 1)\,(x^{4} + 1)}$$

Sequence: A260401
Score: 14.0346
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} - x^{9} - x^{5} + x^{4} + x^{2} - 2\,x + 3$$

Sequence: A260401
Score: 6.38267
Type of gen. func.: ogf

$$\frac{(x^{2} - x + 1)\,(x^{4} - x^{3} + x^{2} - x + 1)\,(x + 1)^{4}}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)\,(x - 1)^{2}}$$

Sequence: A260440
Score: 14.8385
Type of gen. func.: ogf

$$\frac{5\,x^{4} + 30\,x^{3} + 34\,x^{2} + 30\,x + 27}{(x + 1)\,(x^{2} + 1)\,(x - 1)^{2}}$$

Sequence: A260444
Score: 7.65396
Type of gen. func.: ogf

$$\frac{x^{39} - x^{31} - x^{6} - x^{3} - 1}{(x - 1)\,(x + 1)\,(x^{2} + 1)\,(x^{4} + 1)}$$

Sequence: A260446
Score: 10.1048
Type of gen. func.: ogf_with_Euler_transform]

$$x^{15} - x^{11} - x^{9} + x^{5} + x^{3}$$

Sequence: A260446
Score: 7.27754
Type of gen. func.: ogf

$$-\frac{x\,(x^{4} - x^{2} + 1)\,(x^{4} + x^{3} + x^{2} + x + 1)\,(x^{4} - x^{3} + x^{2} - x + 1)}{(x - 1)\,(x + 1)\,(x^{2} + 1)\,(x^{4} + 1)\,(x^{8} + 1)}$$

Sequence: A260468
Score: 3.64007
Type of gen. func.: ogf

$$(24 x^{12} - 40 x^{11} - 96 x^{10} - 24 x^{9} - 180 x^{8} + 108 x^{7} + 60 x^{6} + 28 x^{4} + 54 x^{2} + 15 x + 34) \Big/ (4 x^{12} + 4 x^{11} + 4 x^{9} - 12 x^{8} - 2 x^{5} - x^{4} - 3 x^{3} - x + 1)$$

Sequence: A260483
Score: 6.89117
Type of gen. func.: ogf

$$\frac{x^{8} + x^{7} + x^{6} + 2 x^{5} + x^{4} + x^{3} + 2 x^{2} + x + 1}{(x + 1)\,(x^{2} + 1)\,(x^{4} + 1)\,(x - 1)^{2}}$$

Sequence: A260484
Score: 12.4247
Type of gen. func.: ogf

$$\frac{4 x^{2} + 4 x + 3}{(x^{2} + x + 1)\,(x - 1)^{2}}$$

Sequence: A260484
Score: 4.40643

Type of gen. func.: ogf

$$\{(-11 n - 43) a(n + 1) - 11 a(n + 2) - 11 a(n + 3) + (11 n + 32) a(n + 4),$$
$$a(0) = 3, a(1) = 7, a(2) = 11, a(3) = 14\}$$

Sequence: A260484
Score: 6.53368
Type of gen. func.: ogf

$$(275 f(x) + 6254) (f(x) x^4 - f(x) x^3 - f(x) x - 4 x^2 + f(x) - 4 x - 3)$$

Sequence: A260486
Score: 4.22850
Type of gen. func.: ogf_with_Euler_transform]

$$- (-2 x^{11} - 4 x^{10} - 2 x^9 - 2 x^8 - 2 x^7 - 4 x^6 - 3 x^5 - 4 x^4 - 2 x^3 - 2 x^2 - 2 x - 4) / (x^{12} - 1)$$

Sequence: A260505
Score: 4.59375
Type of gen. func.: ogf

$$- \frac{x^5 (2 x^2 - x + 1) (x - 1)^3}{(x^2 - x + 1)^2 (x^2 + x - 1)^4}$$

Sequence: A260513
Score: 7.72605
Type of gen. func.: ogf

$$\frac{x^4 + 3 x^3 + 7 x^2 + 3 x + 1}{(x - 1)^6}$$

Sequence: A260513
Score: 8.11625

Type of gen. func.: lgdogf

$$-\frac{-2x^4-13x^3-37x^2-29x-9}{-x^5-2x^4-4x^3+4x^2+2x+1}$$

Sequence: A260514
Score: 9.35785
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^7-2x^6-x^5-2x^4+5x^3-2x^2-x-2}{-x^8+1}$$

Sequence: A260515
Score: 10.0404
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^5+4x^4-x^3-2x+4}{x^6-x^4+x^2-1}$$

Sequence: A260518
Score: 13.4639
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4x^2-5x-3}{x^3+2x^2+2x+1}$$

Sequence: A260537
Score: 3.77649
Type of gen. func.: ogf

$$(36x^9-32x^8-174x^7-116x^6+184x^5+243x^4+131x^3-78x^2-35x-40) \Big/ (2x^9+2x^8-x^7-6x^6-5x^5-2x^4+5x^3+x^2+x-1)$$

Sequence: A260585
Score: 6.24999
Type of gen. func.: ogf

$$-\frac{5 x^4 - 3 x^3 - x^2 - x + 1}{(5 x^2 - 5 x + 1) (2 x - 1)^2 (x - 1)^3}$$

Sequence: A260599
Score: 10.4532
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^5 + 2 x^4 + x^3 + 2}{x^6 - x^4 + x^2 - 1}$$

Sequence: A260637
Score: 12.2126
Type of gen. func.: lgdogf

$$-\frac{-5 x^2 + 4 x - 5}{-5 x^3 + 12 x^2 - 11 x + 4}$$

Sequence: A260637
Score: 12.5942
Type of gen. func.: ogf

$$-\frac{7 (5 x^2 - 7 x + 4)}{(x - 1)^3}$$

Sequence: A260637
Score: 6.71694
Type of gen. func.: ogf

$$-(4 f(x) - 175) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 35 x^2 - f(x) - 49 x + 28)$$

Sequence: A260637
Score: 7.00897
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 28, a(1) = 35, a(2) = 56\}$$

Sequence: A260644
Score: 8.12954
Type of gen. func.: ogf

$$-\frac{x (x^6 + x^5 + x^4 - x^3 - x^2 - x - 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A260655
Score: 11.7984
Type of gen. func.: ogf

$$-81 f(x)^2 x^2 - 18 f(x) x + f(x) - 1$$

Sequence: A260655
Score: 17.1358
Type of gen. func.: revogf

$$-\frac{x}{-81 x^2 - 18 x - 1}$$

Sequence: A260655
Score: 6.72619
Type of gen. func.: ogf

$$\{(-36 n - 90) a(n + 1) + (n + 4) a(n + 2), a(0) = 1, a(1) = 18\}$$

Sequence: A260679
Score: 11.5590
Type of gen. func.: lgdogf

$$-\frac{-289 x^{2} + 510 x - 227}{-289 x^{3} + 833 x^{2} - 801 x + 257}$$

Sequence: A260679
Score: 13.4567
Type of gen. func.: ogf

$$-\frac{289 x^{2} - 544 x + 257}{(x - 1)^{3}}$$

Sequence: A260679
Score: 7.27097
Type of gen. func.: ogf

$$(361 f(x) - 426572)$$

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 289 x^{2} - f(x) - 544 x + 257)$$

Sequence: A260679
Score: 7.64068
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 257, a(1) = 227, a(2) = 199}

Sequence: A260686
Score: 10.9646
Type of gen. func.: ogf

$$-\frac{x (x^{2} + x + 1)}{(x - 1) (x + 1) (x^{2} - x + 1)}$$

Sequence: A260686
Score: 24.5112
Type of gen. func.: ogf_with_Euler_transform]

$$x^5 - 2x^2 + 2$$

Sequence: A260686
Score: 6.14393
Type of gen. func.: ogf

$$(7 f(x) + 33) (f(x) x^4 - f(x) x^3 + x^3 + f(x) x + x^2 - f(x) + x)$$

Sequence: A260686
Score: 9.37758
Type of gen. func.: lgdogf

$$- \frac{-2 x^5 - 2 x^4 - 2 x^3 + 4 x^2 - 2 x - 2}{-x^6 + 1}$$

Sequence: A260692
Score: 5.39115
Type of gen. func.: ogf

$$\frac{2100000 x^5 - 10000 x^4 - 990110 x^3 + 10001 x^2 - x - 1}{(x - 1) (100 x - 1) (100 x + 1) (x + 1) (1000 x^2 - 1)}$$

Sequence: A260696
Score: 8.18040
Type of gen. func.: ogf

$$- \frac{x^3 + x^2 + x - 1}{(x + 1) (7 x^8 + 7 x^7 + 8 x^6 - 8 x^5 - 4 x^3 + 2 x^2 - 3 x + 1)}$$

Sequence: A260699
Score: 5.16338
Type of gen. func.: ogf

$$x (x^6 + 2 x^5 + 2 x^4 + 2 x^3 + 3 x^2 + x + 1)$$

```
- ---------------------------------------------
    2            2                     2       3
  (x  + x + 1) (x  - x + 1) (x + 1)  (x - 1)
```

Sequence: A260706
Score: 8.13041
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^5-3x^4-2x^3-2x^2-3x-3}{x^5+x^4+x^3+x^2+x+1}$$

Sequence: A260708
Score: 6.27860
Type of gen. func.: ogf

$$-\frac{x(x^6+x^5+3x^4+2x^3+2x^2+2x+1)}{(x^2+x+1)(x^2-x+1)(x+1)^2(x-1)^3}$$

Sequence: A260710
Score: 14.0758
Type of gen. func.: ogf

$$\frac{1}{(x-1)(x^6+x^5+2x^4+x^3+x^2-1)}$$

Sequence: A260710
Score: 8.35750
Type of gen. func.: lgdogf

$$-\frac{-7x^6-5x^4+4x^3+2x+1}{-x^7-x^5+x^4+x^2+x-1}$$

Sequence: A260714
Score: 9.63908
Type of gen. func.: ogf

$$- \frac{x^8 - 2 x^7 - 4 x^6 - 2 x^5 - 6 x^4 - 4 x^3 - 2 x^2 - 4 x - 7}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A260751
Score: 3.97508
Type of gen. func.: ogf

$$(163475316164160 f(x) + 38088599781944494007504235508561)$$

$$(f(x) x^2 - 2 f(x) x + f(x) + 6089317254750551 x - 6171054912832631)$$

Sequence: A260751
Score: 5.67869
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 6171054912832631,$$

$$a(1) = 6252792570914711\}$$

Sequence: A260751
Score: 8.48017
Type of gen. func.: ogf

$$- \frac{6089317254750551 x - 6171054912832631}{(x - 1)^2}$$

Sequence: A260769
Score: 6.49697
Type of gen. func.: ogf

$$-16 f(x)^3 x^4 - 44 x^2 f(x)^3 + f(x)^3 + 2 f(x) x^2 - 5 f(x) x - f(x) - x$$

Sequence: A260771
Score: 12.1296
Type of gen. func.: revogf

$$x^2 - x$$

```
- ---------------
   3    2
  x  + x  + x + 1
```

Sequence: A260771
Score: 7.66078
Type of gen. func.: ogf

$$f(x)^3 x^3 + f(x)^2 x^2 + f(x)^2 x + f(x) x - f(x) + 1$$

Sequence: A260772
Score: 6.49673
Type of gen. func.: ogf

$$-x^2 f(x)^3 - 2 f(x)^2 x^2 + 2 f(x)^2 x - 2 f(x) x^2 + f(x) x - f(x) + 1$$

Sequence: A260772
Score: 7.49112
Type of gen. func.: revogf

$$-\frac{1/4 I (x - 1) (4 x^2 - 4 x - 1)^{1/2}}{x} - \frac{2 x^2 - x - 1}{4 x}$$

Sequence: A260773
Score: 8.17099
Type of gen. func.: ogf

$$-x f(x)^3 + 2 f(x)^2 x - f(x)^2 - 2 f(x) x + 3 f(x) - 2$$

Sequence: A260773
Score: 9.78370
Type of gen. func.: revogf

$$\frac{(2 x + 3 + (-4 x^2 - 4 x + 1)^{1/2}) x}{4 (x + 1)}$$

Sequence: A260774
Score: 6.29779
Type of gen. func.: ogf

$$-3 f(x)^2 x^3 - 6 f(x)^2 x^2 + f(x)^2 x - 3 f(x) x^2 - 6 f(x) x + f(x) - x - 1$$

Sequence: A260774
Score: 6.82259
Type of gen. func.: revogf

$$\frac{-6 x^2 - 6 x - 1 + (48 x^4 + 96 x^3 + 64 x^2 + 16 x + 1)^{1/2}}{2 (3 x^2 + 3 x + 1)}$$

Sequence: A260775
Score: 5.99146
Type of gen. func.: ogf

$$\{(32 n^2 + 32 n + 6) a(n) + (-2 n^2 - 5 n - 3) a(n + 1), a(0) = 1, a(1) = 4\}$$

Sequence: A260787
Score: 20.2962
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x + 2}{x^2 + x - 1}$$

Sequence: A260810
Score: 10.6939
Type of gen. func.: lgdogf

$$- \frac{2 x^3 + 54 x^2 + 102 x + 22}{x^4 + 16 x^3 - 16 x - 1}$$

Sequence: A260810
Score: 4.58309

Type of gen. func.: ogf

$$\{(-7 n^2 - 32 n - 36) a(n + 1) + (14 n^2 + 56 n + 108) a(n + 2)$$

$$+ (-7 n^2 - 24 n - 20) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 22\}$$

Sequence: A260810
Score: 8.96906
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^2 + 16 x + 1)}{(x - 1)^5}$$

Sequence: A260811
Score: 4.84388
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A260813
Score: 8.68826
Type of gen. func.: ogf

$$(f(x) - 1)^2$$

Sequence: A260814
Score: 3.53747
Type of gen. func.: ogf

$$-(f(x) - 1)^2 (2 f(x) x - f(x) + 1)$$

Sequence: A260846
Score: 10.8409
Type of gen. func.: ogf

$$2 (8 x^2 - 5 x - 1)$$

```
                             ----------------------------
                             (x - 1) (15 x - 1) (3 x - 1)
```

Sequence: A260846
Score: 5.26102
Type of gen. func.: ogf

```
-(787702356 f(x) - 422616433)

              3             2                        2
    (45 f(x) x  - 63 f(x) x  + 19 f(x) x - 16 x  - f(x) + 10 x + 2)
```

Sequence: A260846
Score: 6.06355
Type of gen. func.: ogf

```
{-a(n + 3) + 19 a(n + 2) - 63 a(n + 1) + 45 a(n), a(0) = 2, a(1) = 48,

    a(2) = 770}
```

Sequence: A260846
Score: 6.38838
Type of gen. func.: lgdogf

```
                             4        3       2
                        360 x  - 450 x  + 28 x  + 142 x - 24
                    - -------------------------------------------
                             5        4        3       2
                         360 x  - 729 x  + 422 x  - 40 x  - 14 x + 1
```

Sequence: A260854
Score: 5.70965
Type of gen. func.: ogf

```
                        5             4            3          2
            x (1179648 x  - 1339392 x  - 12672 x  + 2016 x  + 248 x - 1)
            ------------------------------------------------------------
                            (x - 1) (256 x - 1) (16 x - 1)
```

Sequence: A260855
Score: 4.41530
Type of gen. func.: ogf

```
              6               5            4           3          2
x (296875000 x  - 301875000 x  - 2270000 x  + 31000 x  + 6200 x  + 615 x - 1)/(
    (x - 1) (25 x - 1) (625 x - 1))



------------------------------------------------------------------------------

Sequence:  A260860
Score: 4.24587
Type of gen. func.: ogf


{a(n + 3) - 3661 a(n + 2) + 219660 a(n + 1) - 216000 a(n), a(0) = 0, a(1) = 1,

    a(2) = 3721}



------------------------------------------------------------------------------

Sequence:  A260860
Score: 4.34859
Type of gen. func.: ogf


(3721 f(x) + 1)

                  3                2                     2
    (216000 f(x) x  - 219660 f(x) x  + 3661 f(x) x + 60 x  - f(x) + x)



------------------------------------------------------------------------------

Sequence:  A260860
Score: 7.59472
Type of gen. func.: ogf


                                  x (60 x + 1)
                       - -------------------------------
                         (x - 1) (3600 x - 1) (60 x - 1)



------------------------------------------------------------------------------

Sequence:  A260864
Score: 6.72737
Type of gen. func.: lgdogf


                                3          2
                       -76832 x  + 33124 x  + 5908 x - 225
                     - -----------------------------------
                                 4          3
                        -38416 x  + 38612 x  - 197 x + 1



------------------------------------------------------------------------------

Sequence:  A260865
Score: 4.53656
Type of gen. func.: ogf


{a(n + 3) - 241 a(n + 2) + 3615 a(n + 1) - 3375 a(n), a(0) = 0, a(1) = 1,

    a(2) = 256}
```

Sequence: A260865
Score: 4.6519
Type of gen. func.: ogf

$$(256 f(x) + 1) (3375 f(x) x^3 - 3615 f(x) x^2 + 241 f(x) x + 15 x^2 - f(x) + x)$$

Sequence: A260865
Score: 5.71796
Type of gen. func.: lgdogf

$$-\frac{-101250 x^3 + 44100 x^2 + 7230 x - 256}{-50625 x^4 + 50850 x^3 - 226 x + 1}$$

Sequence: A260865
Score: 8.31703
Type of gen. func.: ogf

$$-\frac{x (15 x + 1)}{(x - 1) (15 x - 1) (225 x - 1)}$$

Sequence: A260866
Score: 10.0526
Type of gen. func.: ogf

$$-\frac{x (16 x + 1)}{(x - 1) (256 x - 1) (16 x - 1)}$$

Sequence: A260866
Score: 5.48324
Type of gen. func.: ogf

$\{a(n + 3) - 273 a(n + 2) + 4368 a(n + 1) - 4096 a(n), a(0) = 0, a(1) = 1,$

$a(2) = 289\}$

Sequence: A260866
Score: 5.62265

Type of gen. func.: ogf

$$(289 f(x) + 1) (4096 f(x) x^3 - 4368 f(x) x^2 + 273 f(x) x + 16 x^2 - f(x) + x)$$

Sequence: A260866
Score: 6.91117
Type of gen. func.: lgdogf

$$-\frac{-131072 x^3 + 57600 x^2 + 8736 x - 289}{-65536 x^4 + 65792 x^3 - 257 x + 1}$$

Sequence: A260873
Score: 3.97181
Type of gen. func.: ogf

$$(2 f(x) x - f(x) + 1)^3$$

Sequence: A260878
Score: 4.49254
Type of gen. func.: ogf

$$4 f(x)^2 x^3 - 9 f(x)^2 x^2 - 4 f(x) x^3 + 6 f(x)^2 x + 17 f(x) x^2 + x^3 - f(x)^2 - 16 f(x) x - 6 x^2 + 3 f(x) + 10 x - 2$$

Sequence: A260890
Score: 13.5211
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^3 + 2 x^2 + 3 x + 1}{x^4 + x^3 - x - 1}$$

Sequence: A260916
Score: 8.60969
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^4 - x^3 + x^2 + x - 2}{x^6 + x^5 + x^3 - 2x^2 - x + 1}$$

Sequence: A260917
Score: 10.2510
Type of gen. func.: lgdogf

$$-\frac{7x^6 + 6x^5 - 3x^2 - 2x - 1}{x^7 + x^6 - x^3 - x^2 - x + 1}$$

Sequence: A260917
Score: 18.5678
Type of gen. func.: ogf

$$\frac{1}{(x - 1)(x^6 + 2x^5 + 2x^4 + 2x^3 + x^2 - 1)}$$

Sequence: A260918
Score: 9.05654
Type of gen. func.: ogf

$$\frac{x(4x^3 + 5x^2 + 3x + 1)}{(x + 1)(x^2 + x + 1)(x - 1)^4}$$

Sequence: A260920
Score: 4.81226
Type of gen. func.: ogf

$$-\frac{x^9 + 28x^7 + 106x^6 + 89x^5 + 85x^4 + 138x^3 + 68x^2 + 48x + 36}{x^8 + 3x^7 + 2x^6 + 2x^5 + 3x^4 + x^2 - 1}$$

Sequence: A260921

Score: 5.10180
Type of gen. func.: ogf

$$-\frac{3 x^{9} - 2 x^{8} + 27 x^{7} + 8 x^{6} - 144 x^{5} - 34 x^{4} - 211 x^{3} - 98 x^{2} - 68 x - 48}{(x^{4} + 2 x^{3} + x - 1) (x^{4} - 2 x^{3} - x - 1)}$$

Sequence: A260937
Score: 5.59799
Type of gen. func.: ogf

$$-\frac{2 x^{4} + 615 x^{3} - 915 x^{2} + 105 x + 1}{(x - 1) (x^{2} - 34 x + 1) (x^{2} + 34 x + 1)}$$

Sequence: A260939
Score: 2.20198
Type of gen. func.: ogf

$$(120120 f(x) + 3631636849) (f(x) x^{2} - 2 f(x) x + f(x) - 55117 x - 4943)$$

Sequence: A260939
Score: 2.62258
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 4943, a(1) = 65003\}$$

Sequence: A260939
Score: 4.48865
Type of gen. func.: ogf

$$\frac{55117 x + 4943}{(x - 1)^{2}}$$

Sequence: A260942
Score: 3.40519
Type of gen. func.: ogf_with_Euler_transform]

$$- (2 x^{17} + 2 x^{16} + x^{15} + x^{14} + x^{13} + 2 x^{12} - x^{11} + x^{5} + 2 x^{4} + x^{3} + x^{2} + x + 2) / (-x^{18} + x^{12} - x^{6} + 1)$$

Sequence: A260953
Score: 6.34060
Type of gen. func.: ogf

$$\frac{2048 x^{7} + 2432 x^{6} + 2456 x^{5} + 944 x^{4} + 409 x^{3} + 25 x^{2} + x + 1}{(x - 1) (8 x + 1) (8 x - 1) (x + 1) (64 x^{2} + 1) (x^{2} + 1)}$$

Sequence: A260955
Score: 12.5690
Type of gen. func.: lgdogf

$$- \frac{x^{2} + 14 x + 9}{x^{3} + 5 x^{2} - 5 x - 1}$$

Sequence: A260955
Score: 13.1772
Type of gen. func.: ogf

$$- \frac{6 (x^{2} + 6 x + 1)}{(x - 1)^{3}}$$

Sequence: A260955
Score: 7.10422
Type of gen. func.: ogf

$$(13 f(x) - 308) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 6 x^{2} - f(x) + 36 x + 6)$$

Sequence: A260955
Score: 7.10422
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 6, a(1) = 54, a(2) = 150\}$$

Sequence: A260973
Score: 4.34413
Type of gen. func.: ogf

$$\frac{208 x^8 - 256 x^7 - 26 x^6 - 52 x^5 - 80 x^4 - 65 x^3 - 118 x^2 + 5 x - 48}{16 x^8 + 4 x^6 + 6 x^5 + 3 x^4 + 4 x^3 - 2 x^2 + 2 x - 1}$$

Sequence: A261004
Score: 10.1239
Type of gen. func.: ogf

$$\frac{x^2 + 164 x + 3}{(x - 1) (x^2 - 98 x + 1)}$$

Sequence: A261004
Score: 4.53832
Type of gen. func.: ogf

$$-(175874714717640 f(x) + 7784624231749)$$

$$(f(x) x^3 - 99 f(x) x^2 + 99 f(x) x - x^2 - f(x) - 164 x - 3)$$

Sequence: A261004
Score: 5.48380
Type of gen. func.: ogf

$$\{-a(n + 3) + 99 a(n + 2) - 99 a(n + 1) + a(n), a(0) = -3, a(1) = -461,$$

$$a(2) = -45343\}$$

Sequence: A261004
Score: 5.62441
Type of gen. func.: lgdogf

4   3   2

$$-\frac{-x - 328 x + 16326 x + 592 x - 461}{-x^5 - 65 x^4 + 16134 x^3 - 15938 x^2 - 133 x + 3}$$

Sequence: A261012
Score: 12.0238
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2), a(0) = -1, a(1) = 0, a(2) = 1\}$$

Sequence: A261012
Score: 18.8297
Type of gen. func.: ogf

$$f(x)\, x + x^2 - f(x) + x - 1$$

Sequence: A261012
Score: 19.1918
Type of gen. func.: lgdogf

$$-\frac{-x^2 + 2 x}{x^3 - 2 x + 1}$$

Sequence: A261012
Score: 22.1772
Type of gen. func.: ogf

$$-\frac{x^2 + x - 1}{x - 1}$$

Sequence: A261031
Score: 17.9488
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x - 1}{-x^2 - x + 1}$$

Sequence: A261032
Score: 4.66279
Type of gen. func.: ogf

$$-\frac{x\,(x^{6}-246\,x^{5}+4047\,x^{4}-11572\,x^{3}+4047\,x^{2}-246\,x+1)}{(x+1)^{9}}$$

Sequence: A261038
Score: 6.09725
Type of gen. func.: ogf

$$-\frac{x^{10}+2\,x^{8}-8\,x^{7}-x^{6}-3\,x^{5}-3\,x^{4}+3\,x+1}{(x-1)^{3}\,(x+1)^{3}\,(x^{2}+1)^{3}}$$

Sequence: A261047
Score: 15.4901
Type of gen. func.: egf]_with_Euler_transform]

$$\frac{2}{-x^{3}+3\,x^{2}-3\,x+1}$$

Sequence: A261050
Score: 9.52795
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{4}+x^{3}-x+1}{-x^{6}-x^{5}-x^{3}+2\,x^{2}+x-1}$$

Sequence: A261051
Score: 9.21433
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{4}+3\,x^{3}-x-1}{}$$

$$x^6 + x^5 + x^3 - 2x^2 - x + 1$$

Sequence: A261054
Score: 10.1068
Type of gen. func.: lgdogf

$$-\frac{3x^4 - 4x^3 + 7x^2 + 12x + 7}{x^5 - x^3 + 4x^2 + x - 2}$$

Sequence: A261054
Score: 11.6819
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 + x + 2}{(x^2 + x - 1)^3}$$

Sequence: A261055
Score: 7.72571
Type of gen. func.: lgdogf

$$-\frac{-3x^4 - 4x^3 + 6x^2 + 8x + 5}{-x^5 - 2x^4 + 2x^3 + 4x^2 - x - 1}$$

Sequence: A261055
Score: 9.63205
Type of gen. func.: ogf

$$\frac{x^3 + x^2 - 2x - 1}{(x^2 + x - 1)^3}$$

Sequence: A261056
Score: 11.0840
Type of gen. func.: lgdogf

$$-\frac{-2x^3+6x+8}{-x^4-2x^3+3x^2+4x-2}$$

Sequence: A261056
Score: 12.2777
Type of gen. func.: ogf

$$-\frac{x^2-2}{(x^2+2x-1)^2}$$

Sequence: A261056
Score: 6.04583
Type of gen. func.: ogf

$$(31423 f(x) - 4226)$$

$$(f(x)\,x^4 + 4 f(x)\,x^3 + 2 f(x)\,x^2 - 4 f(x)\,x + x^2 + f(x) - 2)$$

Sequence: A261064
Score: 10.8441
Type of gen. func.: lgdogf

$$-\frac{-18x^2+20x-6}{-6x^3+11x^2-6x+1}$$

Sequence: A261064
Score: 11.5326
Type of gen. func.: ogf

$$-\frac{2x-1}{(3x-1)^2\,(x-1)^2}$$

Sequence: A261064
Score: 3.57909

Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-24 - 6 n) a(n + 3) + (42 + 11 n) a(n + 2)$$
$$+ (-24 - 6 n) a(n + 1), a(0) = 1, a(1) = 6, a(2) = 26, a(3) = 100\}$$

Sequence: A261064
Score: 5.81244
Type of gen. func.: ogf

$$(137 f(x) + 1)$$
$$(9 f(x) x^4 - 24 f(x) x^3 + 22 f(x) x^2 - 8 f(x) x + f(x) + 2 x - 1)$$

Sequence: A261065
Score: 11.0877
Type of gen. func.: lgdegf]

$$- \frac{-3 x^2 + 3 x + 8}{-2 x^3 + 3 x^2 + x - 1}$$

Sequence: A261065
Score: 4.14977
Type of gen. func.: ogf

$$\{(-2 n^2 - 11 n - 15) a(n + 1) + (-2 n^2 - 16 n - 32) a(n + 2) + (n + 3) a(n + 3)$$
$$, a(0) = 1, a(1) = 8, a(2) = 75\}$$

Sequence: A261106
Score: 8.27051
Type of gen. func.: ogf

$$\frac{4 x^5 - 4 x^4 + 19 x^3 - 54 x^2 + 5 x + 28}{(x - 1) (3 x^2 - 1)}$$

Sequence: A261107
Score: 6.11431

Type of gen. func.: ogf

$$\frac{5 x^6 - 6 x^5 - 26 x^4 - 34 x^3 - 54 x^2 - 19 x - 33}{x^6 + 2 x^5 + 2 x^4 + 2 x^3 + x - 1}$$

Sequence: A261108
Score: 3.46387
Type of gen. func.: ogf

$$(7 x^{12} - 26 x^{11} - 18 x^{10} + 50 x^9 + 16 x^8 - 46 x^7 + 35 x^6 - 144 x^5 + 56 x^4 - 248 x^3 - 89 x^2 - 106 x - 63) \Big/ (x^{12} - 2 x^{10} + 2 x^8 + 5 x^6 + 10 x^4 + 3 x^2 - 1)$$

Sequence: A261116
Score: 9.37788
Type of gen. func.: ogf

$$- \frac{x (x^4 - x^3 - 2 x^2 + 3 x + 1)}{(x - 1) (x + 1) (x^2 + 2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A261120
Score: 11.6397
Type of gen. func.: ogf

$$- \frac{9 x^2 - 5 x + 2}{(x - 1) (3 x - 1) (7 x - 1)}$$

Sequence: A261120
Score: 6.15654
Type of gen. func.: ogf

$$(64920 f(x) - 1189)$$

$$(21 f(x) x^3 - 31 f(x) x^2 + 11 f(x) x + 9 x^2 - f(x) - 5 x + 2)$$

Sequence: A261120
Score: 6.31306
Type of gen. func.: ogf

$\{a(n + 3) - 11 a(n + 2) + 31 a(n + 1) - 21 a(n), a(0) = 2, a(1) = 17,$

$a(2) = 134\}$

Sequence: A261120
Score: 6.53457
Type of gen. func.: lgdogf

$$-\frac{189 x^4 - 210 x^3 + 182 x^2 - 106 x + 17}{189 x^5 - 384 x^4 + 296 x^3 - 126 x^2 + 27 x - 2}$$

Sequence: A261140
Score: 3.97508
Type of gen. func.: ogf

$(743783151050940 f(x) + 12291248657235294688190783361829)$

$(f(x) x^2 - 2 f(x) x + f(x) + 3114215897471953 x - 3486107472997423)$

Sequence: A261140
Score: 5.67869
Type of gen. func.: ogf

$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 3486107472997423,$

$a(1) = 3857999048522893\}$

Sequence: A261140
Score: 8.48017
Type of gen. func.: ogf

$$-\frac{3114215897471953 x - 3486107472997423}{(x - 1)^2}$$

Sequence: A261143
Score: 10.3260
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 3), a(0) = 3, a(1) = 3, a(2) = 2, a(3) = 1\}$$

Sequence: A261143
Score: 11.9433
Type of gen. func.: ogf

$$-(f(x) - 3) (-x^3 + f(x) x - x^2 - f(x) + 3)$$

Sequence: A261143
Score: 13.7680
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 2 x^2 - 2 x + 3}{-x^4 + x^2 + 3 x - 3}$$

Sequence: A261143
Score: 20.2305
Type of gen. func.: ogf

$$\frac{x^3 + x^2 - 3}{x - 1}$$

Sequence: A261149
Score: 4.24552
Type of gen. func.: ogf

$$(61052040989940 f(x) + 266658629970023642012790884149)$$

$$(f(x) x^2 - 2 f(x) x + f(x) + 484960926034973 x - 515486946529943)$$

Sequence: A261149
Score: 5.52988
Type of gen. func.: lgdogf

$$-\frac{-484960926034973\,x+546012967024913}{-484960926034973\,x^{2}+1000447872564916\,x-515486946529943}$$

Sequence: A261149
Score: 5.98233
Type of gen. func.: ogf

$$\{-a(n+2)+2\,a(n+1)-a(n),\ a(0)=515486946529943,\ a(1)=546012967024913\}$$

Sequence: A261149
Score: 9.01447
Type of gen. func.: ogf

$$-\frac{484960926034973\,x-515486946529943}{(x-1)^{2}}$$

Sequence: A261150
Score: 4.27309
Type of gen. func.: ogf

$$(4249026802020\,f(x)+162562832442493644603017825869)$$

$$(f(x)\,x^{2}-2\,f(x)\,x+f(x)+401060703199627\,x-403185216600637)$$

Sequence: A261150
Score: 5.57675
Type of gen. func.: lgdogf

$$-\frac{-401060703199627\,x+405309730001647}{-401060703199627\,x^{2}+804245919800264\,x-403185216600637}$$

Sequence: A261150
Score: 5.98233
Type of gen. func.: ogf

$$\{-a(n+2)+2\,a(n+1)-a(n),\ a(0)=403185216600637,\ a(1)=405309730001647\}$$

Sequence: A261150
Score: 9.01447
Type of gen. func.: ogf

$$-\frac{401060703199627\ x - 403185216600637}{(x - 1)^2}$$

Sequence: A261151
Score: 4.55229
Type of gen. func.: ogf

$$(921819738840\ f(x) + 130408247771491217613542209)$$

$$(f(x)\ x^2 - 2\ f(x)\ x + f(x) + 10949427981133\ x - 11410337850553)$$

Sequence: A261151
Score: 5.96229
Type of gen. func.: lgdogf

$$-\frac{-10949427981133\ x + 11871247719973}{-10949427981133\ x^2 + 22359765831686\ x - 11410337850553}$$

Sequence: A261151
Score: 6.23832
Type of gen. func.: ogf

$$\{-a(n + 2) + 2\ a(n + 1) - a(n),\ a(0) = 11410337850553,\ a(1) = 11871247719973\}$$

Sequence: A261151
Score: 9.48928
Type of gen. func.: ogf

$$-\frac{10949427981133\ x - 11410337850553}{(x - 1)^2}$$

Sequence: A261152
Score: 3.7943
Type of gen. func.: ogf

$$(21289801218345660 f(x) + 26035717654609381573758756117032821)$$

$$(f(x) x^2 - 2 f(x) x + f(x) + 150359458790286331 x - 161004359399459161)$$

Sequence: A261152
Score: 5.52791
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 161004359399459161,$$

$$a(1) = 171649260008631991\}$$

Sequence: A261152
Score: 8.11694
Type of gen. func.: ogf

$$- \frac{150359458790286331 x - 161004359399459161}{(x - 1)^2}$$

Sequence: A261186
Score: 4.55656
Type of gen. func.: ogf

$$\{(-27 n^3 - 243 n^2 - 726 n - 720) a(n + 1)$$

$$+ (4 n^3 + 38 n^2 + 110 n + 100) a(n + 2), a(0) = 4, a(1) = 35\}$$

Sequence: A261190
Score: 6.08209
Type of gen. func.: ogf

$$(2 x^{11} + 6 x^{10} + 6 x^9 + 5 x^8 + 6 x^7 + 6 x^6 + 5 x^5 + 6 x^4 + 5 x^3 + 6 x^2 + 6 x$$

$$+ 3) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A261191
Score: 13.9840
Type of gen. func.: ogf

$$-\frac{x\,(37\,x+1)}{(x-1)^3}$$

Sequence: A261191
Score: 15.5976
Type of gen. func.: lgdogf

$$-\frac{-74\,x-40}{-37\,x^2+36\,x+1}$$

Sequence: A261191
Score: 6.54092
Type of gen. func.: ogf

$$-(925604\,f(x)-11625237)\,(f(x)\,x^3-3\,f(x)\,x^2+3\,f(x)\,x+37\,x^2-f(x)+x)$$

Sequence: A261191
Score: 7.24173
Type of gen. func.: ogf

$$\{a(n+3)-3\,a(n+2)+3\,a(n+1)-a(n),\ a(0)=0,\ a(1)=1,\ a(2)=40\}$$

Sequence: A261193
Score: 4.44670
Type of gen. func.: ogf

$$\{(n^2+4\,n+4)\,a(n+1)+(-n^2-5\,n-5)\,a(n+2)+(n+1)\,a(n+3),$$
$$a(0)=-1,\ a(1)=-1,\ a(2)=0\}$$

Sequence: A261196
Score: 18.8129
Type of gen. func.: lgdogf

$$\frac{4}{(64 x^2 + 1)^{1/2}}$$

Sequence: A261196
Score: 5.11823
Type of gen. func.: ogf

$$\{(64 n^2 + 128 n + 48) a(n + 1) + (n^2 + 5 n + 6) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 8\}$$

Sequence: A261207
Score: 3.30285
Type of gen. func.: ogf

$$\{(-3 n^2 - 9 n) a(n + 1) + (19 n^2 + 69 n + 56) a(n + 2) + (-9 n^2 - 51 n - 72) a(n + 3) + (n^2 + 7 n + 12) a(n + 4), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 14\}$$

Sequence: A261207
Score: 5.9348
Type of gen. func.: ogf

$$4 f(x)^2 x^2 - f(x) x^3 - 24 f(x)^2 x + 7 f(x) x^2 + 4 f(x)^2 - 7 f(x) x + f(x) - x$$

Sequence: A261241
Score: 4.53389
Type of gen. func.: ogf

$$(91356 f(x) + 493219711) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 2584 x^3 - 4 f(x) x - 8285 x^2 + f(x) + 8902 x - 3213)$$

Sequence: A261241
Score: 8.20176
Type of gen. func.: ogf

$$-\frac{2584 x^{3} - 8285 x^{2} + 8902 x - 3213}{(x - 1)^{4}}$$

Sequence: A261243
Score: 5.15019
Type of gen. func.: ogf

$$(2 f(x) - 3) (f(x) x^{4} - 2 f(x) x^{3} + x^{4} + x^{3} + 2 f(x) x - f(x) - x + 1)$$

Sequence: A261243
Score: 8.88220
Type of gen. func.: ogf

$$-\frac{x^{4} + x^{3} - x + 1}{(x + 1) (x - 1)^{3}}$$

Sequence: A261258
Score: 6.77001
Type of gen. func.: ogf

$$\frac{2 x^{6} - 17 x^{5} + 8 x^{4} - 34 x^{3} - 14 x^{2} - 5 x - 36}{x^{6} + 2 x^{4} + x^{2} + x - 1}$$

Sequence: A261259
Score: 7.28337
Type of gen. func.: ogf

$$\frac{14 x^{5} - 41 x^{4} - 40 x^{3} - 58 x^{2} - 11 x - 41}{2 x^{5} + x^{4} + 2 x^{3} + x - 1}$$

Sequence: A261266
Score: 4.49543
Type of gen. func.: ogf

$$8 f(x)^2 x^3 - 16 f(x)^2 x^2 + 9 f(x)^2 x + 8 f(x) x^2 - f(x)^2 - 8 f(x) x + f(x) + x$$

Sequence: A261271
Score: 5.27459
Type of gen. func.: ogf

$$(4 x^{13} + 3 x^{11} + x^{10} + 3 x^9 + 2 x^8 + 4 x^7 + 2 x^6 + 4 x^5 + 2 x^4 + 2 x^3 + x^2 + x + 1) / ((x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2)$$

Sequence: A261276
Score: 14.2780
Type of gen. func.: ogf

$$- \frac{x (97 x + 1)}{(x - 1)^3}$$

Sequence: A261276
Score: 15.3357
Type of gen. func.: lgdogf

$$- \frac{-194 x - 100}{-97 x^2 + 96 x + 1}$$

Sequence: A261276
Score: 6.41959
Type of gen. func.: ogf

$$-(280504028 f(x) - 9132395679) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 97 x^2 - f(x) + x)$$

Sequence: A261276
Score: 7.32855
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 100\}$

Sequence: A261303
Score: 7.85260
Type of gen. func.: ogf

$$\left(6 x^{26} - 6 x^{25} - 72 x^{24} + 72 x^{23} - 18 x^{6} + 24 x^{5} - 6 x^{4} - 9 x^{3} + 9 x^{2} - 2 x + 1\right) \Big/ (x - 1)^{2}$$

Sequence: A261305
Score: 8.42570
Type of gen. func.: ogf

$$\left(2 x^{23} - 2 x^{22} + 10 x^{20} - 10 x^{19} - 90 x^{18} + 90 x^{17} - 15 x^{3} + 15 x^{2} - 2 x + 1\right) \Big/ (x - 1)^{2}$$

Sequence: A261307
Score: 9.66771
Type of gen. func.: ogf

$$\frac{78 x^{34} - 78 x^{33} - 168 x^{24} + 168 x^{23} - 21 x^{3} + 21 x^{2} - 2 x + 1}{(x - 1)^{2}}$$

Sequence: A261308
Score: 8.95585
Type of gen. func.: ogf

$$- \frac{168 x^{21} - 168 x^{20} - 2 x^{8} - 2 x^{7} + 4 x^{6} + 24 x^{3} - 24 x^{2} + 2 x - 1}{(x - 1)^{2}}$$

Sequence: A261309
Score: 11.5168

Type of gen. func.: ogf

$$-\frac{270 x^{30} - 270 x^{29} + 27 x^{3} - 27 x^{2} + 2 x - 1}{(x - 1)^{2}}$$

Sequence: A261310
Score: 9.61666
Type of gen. func.: ogf

$$-\frac{270 x^{27} - 270 x^{26} - 6 x^{5} + 6 x^{4} + 30 x^{3} - 30 x^{2} + 2 x - 1}{(x - 1)^{2}}$$

Sequence: A261317
Score: 24.1416
Type of gen. func.: lgdegf]

$$x^{5} + x^{2} + x$$

Sequence: A261327
Score: 9.18966
Type of gen. func.: ogf

$$-\frac{5 x^{5} + 2 x^{4} - 2 x^{3} - x^{2} + 5 x + 1}{(x - 1)^{3} (x + 1)^{3}}$$

Sequence: A261329
Score: 23.0609
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{1}{x^{2} + 2 x - 1}$$

Sequence: A261330
Score: 17.0651

Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x-2}{-x^2-2x+1}$$

Sequence: A261331
Score: 8.14669
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^4-x^3+x-1}{x^6+2x^5+x^4+4x^3-3x^2-2x+1}$$

Sequence: A261332
Score: 8.36921
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^4-4x^3+2}{-x^6-2x^5-x^4-4x^3+3x^2+2x-1}$$

Sequence: A261343
Score: 13.7658
Type of gen. func.: ogf

$$-\frac{x(47x+1)}{(x-1)^3}$$

Sequence: A261343
Score: 15.3542
Type of gen. func.: lgdogf

$$-\frac{-94x-50}{-47x^2+46x+1}$$

Sequence: A261343

Score: 6.28676
Type of gen. func.: ogf

$$-(16374528 f(x) - 260225329)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 47 x^2 - f(x) + x)$$

Sequence: A261343
Score: 7.12873
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 50\}$$

Sequence: A261348
Score: 12.1033
Type of gen. func.: ogf

$$- \frac{x^2 (x^4 + x^3 - x^2 - x - 1)}{(x + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A261351
Score: 6.07344
Type of gen. func.: ogf

$$- \frac{x^{11} - x^{10} - 3 x^9 + 5 x^8 - 5 x^7 + 5 x^6 - x^5 - 2 x^4 + x^3 - 2 x^2 - x - 1}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A261373
Score: 5.40537
Type of gen. func.: ogf

$$(2 x^{11} + 5 x^9 - 3 x^8 - 2 x^7 + 14 x^6 - 33 x^5 + 14 x^4 - 58 x^3 - 24 x^2 - 39 x - 36$$

$$) / (2 x^6 + 3 x^4 + x^2 - 1)$$

Sequence: A261374

Score: 5.54722
Type of gen. func.: ogf

$$\frac{9 x^{8} - 23 x^{7} - 50 x^{6} + 67 x^{5} - 50 x^{4} + 116 x^{3} + 43 x^{2} + 41 x + 39}{(x^{4} + 2 x^{3} + x - 1) (x^{4} - 2 x^{3} - x - 1)}$$

Sequence: A261384
Score: 13.1738
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{5 x^{2} + 6 x + 3}{-x^{4} + 2 x^{2} - 1}$$

Sequence: A261386
Score: 13.6464
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{4 x^{2} + 6 x + 4}{-x^{4} + 2 x^{2} - 1}$$

Sequence: A261389
Score: 13.5303
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{6 x^{2} + 9 x + 6}{-x^{4} + 2 x^{2} - 1}$$

Sequence: A261391
Score: 7.86582
Type of gen. func.: ogf

$$\frac{x (11 x^{4} + 16 x^{3} + 66 x^{2} + 16 x + 11)}{(x - 1)^{6}}$$

Sequence: A261391
Score: 8.30690
Type of gen. func.: lgdogf

$$-\frac{-22 x^4 - 92 x^3 - 312 x^2 - 212 x - 82}{-11 x^5 - 5 x^4 - 50 x^3 + 50 x^2 + 5 x + 11}$$

Sequence: A261394
Score: 6.82422
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3 x^8 - 8 x^7 + 12 x^6 - 3 x^5 - 4 x^4 + 4 x^3 + 6 x^2 - 12 x + 8}{-x^9 - x^6 - x^3 - 1}$$

Sequence: A261397
Score: 10.2972
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) + 9 a(n), a(0) = 0, a(1) = 3\}$$

Sequence: A261397
Score: 14.1368
Type of gen. func.: ogf

$$9 f(x) x^2 + 3 f(x) x - f(x) + 3 x$$

Sequence: A261397
Score: 17.0219
Type of gen. func.: lgdogf

$$-\frac{-18 x - 3}{-9 x^2 - 3 x + 1}$$

Sequence: A261397

Score: 22.5425
Type of gen. func.: ogf

$$-\frac{3 x}{9 x^{2} + 3 x - 1}$$

Sequence: A261399
Score: 11.5147
Type of gen. func.: lgdogf

$$-\frac{-18 x^{2} + 12 x - 4}{-18 x^{3} + 27 x^{2} - 10 x + 1}$$

Sequence: A261399
Score: 17.6558
Type of gen. func.: ogf

$$-\frac{3 x - 1}{(6 x - 1) (x - 1)}$$

Sequence: A261399
Score: 8.73092
Type of gen. func.: ogf

$$-(97 f(x) - 33) (6 f(x) x^{2} - 7 f(x) x + f(x) + 3 x - 1)$$

Sequence: A261399
Score: 9.68917
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) + 6 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A261418
Score: 8.11923
Type of gen. func.: ogf

$$- (4 x^{14} + x^{13} + 2 x^{12} - 3 x^{11} - 4 x^{10} + 5 x^{9} + 6 x^{8} - 15 x^{7} + 6 x^{6} + 5 x^{5}$$

$$- 4 x^4 - 3 x^3 + 2 x^2 + x + 4) \Big/ ((x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2 (x - 1)^3)$$

Sequence: A261424
Score: 6.48101
Type of gen. func.: ogf

$$- x^{10} (9 x^{11} + 9 x^{10} + 8 x^9 + 7 x^8 + 6 x^7 + 5 x^6 + 4 x^5 + 3 x^4 + 2 x^3 + x^2 + 1) \Big/ ((x - 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1))$$

Sequence: A261441
Score: 7.30640
Type of gen. func.: ogf

$$- \frac{x (x^5 + 2 x^3 - 1)}{(x^3 - x^2 + 2 x - 1) (x^3 + x - 1) (x - 1)^2}$$

Sequence: A261442
Score: 7.04019
Type of gen. func.: ogf

$$\frac{x (x^2 + 2 x - 2)}{(x + 1) (x^2 + x - 1) (x^3 + x - 1) (x - 1)^3}$$

Sequence: A261445
Score: 9.79845
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-4 x^4 - x^2 - 3 x - 4}{x^5 + x^4 + x^3 + x^2 + x + 1}$$

Sequence: A261446
Score: 12.5549
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3x^4-2x^3-2x^2-2x-3}{-x^6+1}$$

Sequence: A261451
Score: 13.4258
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^3+4x+4}{-x^4+2x^2-1}$$

Sequence: A261452
Score: 11.6164
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^3+6x^2+5x+2}{-x^4+2x^2-1}$$

Sequence: A261480
Score: 8.71634
Type of gen. func.: ogf

$$\frac{2x^3+2x^2+1}{(x-1)(2x-1)(x+1)(x^2+x+1)(2x^2+x+1)}$$

Sequence: A261481
Score: 5.23312
Type of gen. func.: ogf

$$-(6x^5+6x^4+x^3+7x^2+x+1)\ /\ ((x-1)(3x-1)(2x-1)(x+1)$$

$$(x^2 + x + 1) (3 x^2 + x + 1) (2 x^2 + x + 1))$$

Sequence: A261517
Score: 5.43345
Type of gen. func.: ogf

$$(f(x) - x - 1)^2$$

Sequence: A261519
Score: 12.5350
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-4 x^2 - 2 x + 4}{-4 x^3 + 2 x^2 + 2 x - 1}$$

Sequence: A261520
Score: 11.6681
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{9 x^2 + 3 x - 6}{9 x^3 - 3 x^2 - 3 x + 1}$$

Sequence: A261521
Score: 11.7912
Type of gen. func.: lgdogf

$$- \frac{-28 x^2 + 54 x - 32}{-28 x^3 + 83 x^2 - 84 x + 29}$$

Sequence: A261521
Score: 13.0808
Type of gen. func.: ogf

$$28 x^2 - 55 x + 29$$

$$- \frac{}{(x-1)^3}$$

Sequence: A261521
Score: 6.75139
Type of gen. func.: ogf

$$-(212 f(x) + 26417) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 28 x^2 - f(x) - 55 x + 29)$$

Sequence: A261521
Score: 7.27976
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 29, a(1) = 32, a(2) = 37\}$$

Sequence: A261540
Score: 4.87029
Type of gen. func.: ogf

$$\frac{x (29 x^6 + 246 x^5 + 1275 x^4 + 1940 x^3 + 1275 x^2 + 246 x + 29)}{(x - 1)^8}$$

Sequence: A261544
Score: 14.3360
Type of gen. func.: ogf

$$\frac{1}{(1000 x - 1) (x - 1)}$$

Sequence: A261544
Score: 5.824
Type of gen. func.: ogf

$$(1000001 f(x) + 2000) (1000 f(x) x^2 - 1001 f(x) x + f(x) - 1)$$

Sequence: A261544
Score: 6.14401
Type of gen. func.: ogf

$$\{-a(n+2) + 1001\, a(n+1) - 1000\, a(n),\ a(0) = 1,\ a(1) = 1001\}$$

Sequence: A261547
Score: 9.46973
Type of gen. func.: ogf

$$-3 f(x) x^2 + 4 f(x) x + 3 x^2 - f(x) - 3 x + 1$$

Sequence: A261557
Score: 10.3972
Type of gen. func.: lgdogf

$$-\frac{-3 x^3 + 7 x^2 + x + 1}{-x^4 + 2 x^3 + x - 2}$$

Sequence: A261557
Score: 12.2721
Type of gen. func.: ogf

$$-\frac{2 x^2 (x - 2)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A261557
Score: 4.62098
Type of gen. func.: ogf

$$\{(n + 4)\, a(n + 1) + a(n + 2) + a(n + 3) + (-3 - n)\, a(n + 4),\ a(0) = 0,\ a(1) = 0,$$
$$a(2) = 4,\ a(3) = 2\}$$

Sequence: A261557
Score: 6.62477
Type of gen. func.: ogf

$$(13 f(x) + 46) (f(x) x^4 - f(x) x^3 + 2 x^3 - f(x) x - 4 x^2 + f(x))$$

Sequence: A261574
Score: 3.40046
Type of gen. func.: ogf

$$2 x (38 x^8 + 1013 x^7 + 11162 x^6 + 43907 x^5 + 69200 x^4 + 43907 x^3 + 11162 x^2 + 1013 x + 38) / (x - 1)^{10}$$

Sequence: A261576
Score: 10.9687
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^4 + 4 x^3 - 4 x^2 + 4 x + 2}{-x^6 + 1}$$

Sequence: A261610
Score: 16.6920
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^3 - x + 2}{x^6 - 1}$$

Sequence: A261611
Score: 16.6836
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^4 - x + 2}{x^8 - 1}$$

Sequence: A261612
Score: 16.2501
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^3 - x + 1}{x^6 - 1}$$

Sequence: A261615
Score: 16.8787
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^3 - 2 x + 2}{x^6 - 1}$$

Sequence: A261616
Score: 27.8804
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{2}{-x^3 + 1}$$

Sequence: A261618
Score: 9.76936
Type of gen. func.: ogf

$$-\frac{81900 x^{10} - 83790 x^9 - 8100 x^8 + 10 x - 121}{(x - 1)^2}$$

Sequence: A261629
Score: 28.3284
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{2}{-x^4 + 1}$$

Sequence: A261630

```
Score: 16.2960
Type of gen. func.: ogf_with_Euler_transform]


                                     4
                                  2 x  - 2 x + 2
                                - --------------
                                       8
                                      x  - 1



------------------------------------------------------------------------------

Sequence:  A261631
Score: 28.3547
Type of gen. func.: ogf_with_Euler_transform]


                                       3
                                    -------
                                      3
                                    -x  + 1



------------------------------------------------------------------------------

Sequence:  A261632
Score: 28.5772
Type of gen. func.: ogf_with_Euler_transform]


                                       3
                                    -------
                                      4
                                    -x  + 1



------------------------------------------------------------------------------

Sequence:  A261633
Score: 15.6481
Type of gen. func.: ogf_with_Euler_transform]


                                     3
                                  3 x  - 3 x + 3
                                - --------------
                                       6
                                      x  - 1



------------------------------------------------------------------------------

Sequence:  A261634
Score: 13.8917
Type of gen. func.: ogf_with_Euler_transform]


                                     4
                                  3 x  - 3 x + 3
                                - --------------
                                       8
                                      x  - 1



------------------------------------------------------------------------------
```

Sequence: A261635
Score: 27.5955
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{4}{-x^3 + 1}$$

Sequence: A261636
Score: 28.3662
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{4}{-x^4 + 1}$$

Sequence: A261637
Score: 16.6578
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4 x^3 - 4 x + 4}{x^6 - 1}$$

Sequence: A261638
Score: 16.1271
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4 x^4 - 4 x + 4}{x^8 - 1}$$

Sequence: A261647
Score: 16.0485
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-6 x^2 + 3 x - 6}{-x^4 + 1}$$

Sequence: A261648
Score: 14.7237
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-10 x^{2} + 5 x - 10}{-x^{4} + 1}$$

Sequence: A261649
Score: 16.8577
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4 x^{3} - 2 x + 4}{x^{6} - 1}$$

Sequence: A261650
Score: 16.8358
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4 x^{4} + 2 x - 4}{-x^{8} + 1}$$

Sequence: A261651
Score: 16.6544
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-6 x^{3} + 3 x - 6}{-x^{6} + 1}$$

Sequence: A261652
Score: 16.4063
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-6 x^{4} + 3 x - 6}{\quad}$$

$$-x^8 + 1$$

Sequence: A261654
Score: 5.54986
Type of gen. func.: ogf

$$-\frac{2x^8 + x^7 + 2x^6 - 6x^5 - 4x^4 - 6x^3 + 8x^2 + 7x + 4}{(x - 1)^3 (x^2 + x + 1)^3}$$

Sequence: A261666
Score: 5.20863
Type of gen. func.: ogf

$$\frac{x^2 (x^2 + x + 1) (x^{10} + x^7 + x^4 - x^3 - 1)}{(x - 1) (x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 - x^5 - x^4 - x^3 - x^2 + 1)}$$

Sequence: A261671
Score: 12.7753
Type of gen. func.: ogf

$$\frac{x^3 + 9x^2 + x + 3}{(x - 1)^2 (x + 1)^2}$$

Sequence: A261671
Score: 7.54906
Type of gen. func.: ogf

$$(32130 f(x) + 224321) (f(x) x^4 - 2 f(x) x^2 - x^3 - 9 x^2 + f(x) - x - 3)$$

Sequence: A261671
Score: 9.22662
Type of gen. func.: lgdogf

$$-x^4 - 18x^3 - 6x^2 - 30x - 1$$

$$- \frac{\quad}{-x^{5} - 9 x^{4} + 6 x^{2} + x + 3}$$

Sequence: A261676
Score: 6.77638
Type of gen. func.: ogf

$$- \frac{989 x^{8} - 11 x^{7} - 11 x^{6} - 11 x^{5} - 11 x^{4} - 11 x^{3} - 11 x^{2} - 11 x - 1022}{(x + 1) (x^{2} + 1) (x^{4} + 1) (x - 1)^{2}}$$

Sequence: A261694
Score: 5.82328
Type of gen. func.: ogf

$$- x (x^{14} + 20 x^{13} + 2 x^{12} + 18 x^{11} + 5 x^{10} + 13 x^{9} + 13 x^{8} + 13 x^{6} + 8 x^{5} + 5 x^{4} + 3 x^{3} + 2 x^{2} + x + 1) / ((x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1) (x^{8} + 1))$$

Sequence: A261704
Score: 3.69244
Type of gen. func.: ogf

$$2 (2 x^{10} + 6 x^{9} - 47 x^{8} + 45 x^{7} - 48 x^{6} + 38 x^{5} + 99 x^{4} - 21 x^{3} - 24 x^{2} - 14 x - 24) / ((x - 1) (2 x^{8} - 2 x^{7} + x^{6} - 4 x^{5} - 7 x^{4} - 2 x^{3} - x^{2} + 1))$$

Sequence: A261723
Score: 14.1365
Type of gen. func.: ogf

$$- \frac{4 x^{3} + 6 x^{2} - 3 x - 4}{(x - 1) (x + 1) (2 x^{2} - 1)}$$

Sequence: A261723
Score: 8.75118
Type of gen. func.: ogf

$$-(f(x) + 9) (2 f(x) x^4 - 3 f(x) x^2 + 4 x^3 + 6 x^2 + f(x) - 3 x - 4)$$

Sequence: A261728
Score: 8.41919
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 2 x^8 + 6 x^7 + 5 x^6 + 9 x^5 + 2 x^4 + 6 x^3 + 4 x^2 + 3 x + 1}{(x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2}$$

Sequence: A261734
Score: 10.3378
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^6 + x^4 - x^3 + x^2 + 1}{-x^8 + 1}$$

Sequence: A261736
Score: 8.00444
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{10} + x^8 + x^6 - x^5 + x^4 + x^2 + 1}{-x^{12} + 1}$$

Sequence: A261766
Score: 6.60995
Type of gen. func.: ogf

$$\{(n^2 + 2 n) a(n) + (-n - 1) a(n + 1), a(0) = 1, a(1) = 0, a(2) = 3\}$$

Sequence: A261770
Score: 9.39248
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{10}-x^{8}-x^{6}+x^{5}-x^{4}-x^{2}-1}{-x^{12}+1}$$

Sequence: A261775
Score: 10.1245
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{6}-x^{5}-x^{4}-x^{3}-x^{2}-x-1}{-x^{8}+1}$$

Sequence: A261799
Score: 4.75546
Type of gen. func.: ogf

$$\frac{(x-1)^{7}}{2x^{7}-14x^{6}+42x^{5}-70x^{4}+70x^{3}-42x^{2}+14x-1}$$

Sequence: A261799
Score: 7.23437
Type of gen. func.: lgdogf

$$-\frac{7}{-2x^{8}+16x^{7}-56x^{6}+112x^{5}-140x^{4}+112x^{3}-56x^{2}+15x-1}$$

Sequence: A261800
Score: 4.32920
Type of gen. func.: ogf

$$\frac{(x-1)^{8}}{2x^{8}-16x^{7}+56x^{6}-112x^{5}+140x^{4}-112x^{3}+56x^{2}-16x+1}$$

Sequence: A261800
Score: 6.82681
Type of gen. func.: lgdogf

```
       9       8       7        6        5        4        3       2
8/(-2 x  + 18 x  - 72 x  + 168 x  - 252 x  + 252 x  - 168 x  + 72 x  - 17 x + 1

    )
```

Sequence: A261801
Score: 5.81071
Type of gen. func.: ogf

```
       9   /
(x - 1)   /  (
         /

       9       8       7        6        5        4        3       2
    2 x  - 18 x  + 72 x  - 168 x  + 252 x  - 252 x  + 168 x  - 72 x  + 18 x - 1

    )
```

Sequence: A261831
Score: 8.34955
Type of gen. func.: ogf

```
    11    10      9      8      7      6       5      4      3      2
(2 x   + x   + 4 x  + 3 x  + 8 x  + 5 x  + 10 x  + 5 x  + 2 x  + 3 x  + 4 x + 1

        /         2        2   2         2   2         2
    )  /  ((x - 1)  (x + 1)  (x  + x + 1)  (x  - x + 1) )
      /
```

Sequence: A261877
Score: 8.95889
Type of gen. func.: ogf_with_Euler_transform]

```
                                  6    5    3      2
                              -2 x  - x  - x  - 2 x
                            - ----------------------
                                  10    6    4
                                -x   - x  + x  + 1
```

Sequence: A261878
Score: 7.06937
Type of gen. func.: ogf

$$\frac{x^{21} - 2x^{20} + x^{19} + 2x^{13} - 4x^{12} + 2x^{11} + x^{7} - 2x^{6} + x^{5} - x^{2} + x - 1}{(x - 1)^{3}}$$

Sequence: A261882
Score: 10.1060
Type of gen. func.: ogf

$$-\frac{4x^{3} + 8x^{2} + x + 1}{(x - 1)(x^{2} + x + 1)}$$

Sequence: A261882
Score: 6.00045
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 1), a(0) = 1, a(1) = 1, a(2) = 8, a(3) = 5\}$$

Sequence: A261882
Score: 6.12812
Type of gen. func.: ogf

$$-(3527 f(x) - 26773) (f(x) x^{3} + 4x^{3} + 8x^{2} - f(x) + x + 1)$$

Sequence: A261893
Score: 10.5820
Type of gen. func.: ogf

$$\frac{x^{3} + x^{2} + 3x + 1}{(x - 1)^{4}}$$

Sequence: A261893
Score: 11.1618
Type of gen. func.: lgdogf

$$-\frac{-x^{3} - 5x^{2} - 11x - 7}{}$$

$$-x^4 - 2x^2 + 2x + 1$$

Sequence: A261893
Score: 4.33411
Type of gen. func.: ogf

$$\{(-23 n^2 - 73 n - 54) a(n + 1) + (-26 n^2 - 396 n - 744) a(n + 2) + (49 n^2 + 253 n + 318) a(n + 3), a(0) = 1, a(1) = 7, a(2) = 23\}$$

Sequence: A261893
Score: 5.69799
Type of gen. func.: ogf

$$(3699 f(x) + 4321) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - x^2 + f(x) - 3 x - 1)$$

Sequence: A261898
Score: 3.43450
Type of gen. func.: ogf

$$\{(-2 n^2 - n) a(n) + (2 n^2 + 8 n + 7) a(n + 1) + (2 n^2 + 12 n + 17) a(n + 2) + (-3 - n) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 4\}$$

Sequence: A261898
Score: 3.95367
Type of gen. func.: egf]

$$72 f(x)^2 x^3 - 108 f(x)^2 x^2 - 48 f(x) x^3 + 54 f(x)^2 x + 72 f(x) x^2 + 8 x^3 - 9 f(x)^2 - 36 f(x) x - 3 x^2 + 6 f(x) - 6 x + 3$$

Sequence: A261932
Score: 6.06774
Type of gen. func.: ogf

8 7 5 4 3 2

$$-\frac{2 (4 x - x + x - 63 x + 29 x + 10 x + 11 x + 13)}{(x - 1) (x^4 - 4 x^2 - 1) (x^4 + 4 x^2 - 1)}$$

Sequence: A261933
Score: 6.94060
Type of gen. func.: ogf

$$-\frac{40 x^4 + 51 x^3 - 148 x^2 + 51 x + 40}{(x - 1) (x^4 - 70 x^2 + 1)}$$

Sequence: A261934
Score: 5.94345
Type of gen. func.: ogf

$$\frac{2 x^8 + 2 x^7 + x^6 + 2 x^5 - 27 x^4 - 26 x^3 - 9 x^2 - 10 x - 7}{(x - 1) (x^4 - 4 x^2 - 1) (x^4 + 4 x^2 - 1)}$$

Sequence: A261935
Score: 6.74039
Type of gen. func.: ogf

$$\frac{21 x^4 + 18 x^3 - 560 x^2 - 18 x - 5}{(x - 1) (x^4 - 70 x^2 + 1)}$$

Sequence: A261950
Score: 6.63954
Type of gen. func.: ogf

$$\frac{7 x^6 + 3 x^5 + 20 x^4 + 9 x^3 + 8 x^2 + 3 x + 1}{(x^2 + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A261951
Score: 5.04495

Type of gen. func.: ogf

$$(7 x^{10} + 3 x^9 + 14 x^8 + 3 x^7 + 15 x^6 + 12 x^5 + 15 x^4 + 9 x^3 + 8 x^2 + 3 x + 1) / ((x^2 + 1) (x^4 + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A261952
Score: 7.44546
Type of gen. func.: ogf

$$\frac{3 x^6 - 3 x^5 - 6 x^4 + 7 x^3 + 5 x^2 + 2 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A261953
Score: 10.0352
Type of gen. func.: ogf

$$\frac{x^3 + 5 x^2 + 2 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A261953
Score: 5.20623
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3) - a(n + 2) + a(n + 1), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 12\}$$

Sequence: A261953
Score: 6.68408
Type of gen. func.: ogf

$$-(f(x) - 21) (f(x) x^3 - f(x) x^2 - x^3 - f(x) x - 5 x^2 + f(x) - 2 x - 1)$$

Sequence: A261954
Score: 7.05297

Type of gen. func.: ogf

$$\frac{7 x^6 + 6 x^5 + 8 x^4 + 3 x^3 + 2 x^2 + 3 x + 1}{(x^2 + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A261955
Score: 4.34699
Type of gen. func.: ogf

$$- (3 x^{13} + 9 x^{12} - 15 x^{11} - 13 x^{10} - 9 x^9 - 5 x^8 - 9 x^7 - 3 x^6 - 9 x^5 - 6 x^4 - 12 x^3 - 5 x^2 - 3 x - 1) / ((x^2 + 1) (x^4 + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A261956
Score: 4.24930
Type of gen. func.: ogf

$$- (9 x^{13} + 9 x^{12} - 12 x^{11} - 13 x^{10} - 12 x^9 - 5 x^8 - 3 x^7 - 3 x^6 - 9 x^5 - 6 x^4 - 6 x^3 - 5 x^2 - 3 x - 1) / ((x^2 + 1) (x^4 + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A261957
Score: 4.41680
Type of gen. func.: ogf

$$- (3 x^{14} + 9 x^{13} - 9 x^{12} - 3 x^{11} - 13 x^{10} - 12 x^9 - 11 x^8 - 6 x^7 - 15 x^4 - 9 x^3 - 8 x^2 - 3 x - 1) / ((x^2 + 1) (x^4 + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A261958
Score: 5.58781
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 3 x^8 + 4 x^7 + 4 x^6 + 16 x^5 + 12 x^4 + 12 x^3 + 11 x^2 + 4 x + 1}{(x^2 + 1) (x^4 + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A261972
Score: 10.1830
Type of gen. func.: ogf

$$-\frac{x^2 - 14 x + 25}{(x - 1) (x^2 - 14 x + 1)}$$

Sequence: A261972
Score: 5.25314
Type of gen. func.: ogf

$$(6811737 f(x) + 341116)$$

$$(f(x) x^3 - 15 f(x) x^2 + 15 f(x) x + x^2 - f(x) - 14 x + 25)$$

Sequence: A261972
Score: 5.51579
Type of gen. func.: ogf

$$\{a(n + 3) - 15 a(n + 2) + 15 a(n + 1) - a(n), a(0) = 25, a(1) = 361,$$

$$a(2) = 5041\}$$

Sequence: A261972
Score: 5.96302
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 28 x^3 - 270 x^2 + 748 x - 361}{-x^5 + 29 x^4 - 250 x^3 + 586 x^2 - 389 x + 25}$$

Sequence: A261973
Score: 4.81661
Type of gen. func.: ogf

$$(804408916 f(x) - 14296389)$$

$$(f(x) x^3 - 47 f(x) x^2 + 47 f(x) x + 5 x^2 - f(x) - 98 x + 137)$$

Sequence: A261973
Score: 5.08852
Type of gen. func.: ogf

$$\{a(n+3) - 47\, a(n+2) + 47\, a(n+1) - a(n),\ a(0) = 137,\ a(1) = 6341,\ a(2) = 291593\}$$

Sequence: A261973
Score: 9.56024
Type of gen. func.: ogf

$$-\frac{5\,x^2 - 98\,x + 137}{(x-1)\,(x^2 - 46\,x + 1)}$$

Sequence: A261974
Score: 4.37897
Type of gen. func.: ogf

$$-(608335535269\, f(x) - 27570243973)\,(f(x)\, x^3 - 47\, f(x)\, x^2 + 47\, f(x)\, x - 5\, x^2 - f(x) + 158\, x + 67)$$

Sequence: A261974
Score: 5.01980
Type of gen. func.: ogf

$$\{-a(n+3) + 47\, a(n+2) - 47\, a(n+1) + a(n),\ a(0) = 67,\ a(1) = 3307,\ a(2) = 152275\}$$

Sequence: A261974
Score: 9.35508
Type of gen. func.: ogf

$$\frac{5\,x^2 - 158\,x - 67}{(x-1)\,(x^2 - 46\,x + 1)}$$

Sequence: A261988
Score: 4.09204
Type of gen. func.: ogf

$$(5 x^{18} - 9 x^{15} + 10 x^{12} - 5 x^{9} + 9 x^{6} - 6 x^{3} + 5) \Big/ (4 x^{19} + 5 x^{18} - 9 x^{15} + 14 x^{13} + 10 x^{12} - 12 x^{10} - 5 x^{9} + 6 x^{7} + 9 x^{6} - 2 x^{4} - 6 x^{3} + 10 x + 5)$$

Sequence: A261993
Score: 8.77359
Type of gen. func.: ogf

$$\frac{2 x^{19} - 4 x^{18} + 2 x^{17} + x^{7} - 2 x^{6} + x^{5} - x^{2} + x - 1}{(x - 1)^{3}}$$

Sequence: A261995
Score: 5.62103
Type of gen. func.: ogf

$$- \frac{3 (6 x^{8} + 8 x^{6} + 27 x^{5} - 596 x^{4} + 504 x^{3} + 64 x^{2} + 27 x + 14)}{(x - 1) (x^{8} - 110 x^{4} + 1)}$$

Sequence: A261996
Score: 5.22485
Type of gen. func.: ogf

$$\frac{4 (x^{8} + 3 x^{7} + 3 x^{6} + 9 x^{5} - 89 x^{4} - 165 x^{3} - 21 x^{2} - 9 x - 2)}{(x - 1) (x^{8} - 110 x^{4} + 1)}$$

Sequence: A261998
Score: 19.8735
Type of gen. func.: ogf_with_Euler_transform]

$$x - 3$$

$$- \frac{\qquad}{-x^2 + 1}$$

Sequence: A262000
Score: 11.5422
Type of gen. func.: ogf

$$\frac{x (6 x^2 + 14 x + 1)}{(x - 1)^4}$$

Sequence: A262000
Score: 12.5606
Type of gen. func.: lgdogf

$$- \frac{12 x^2 + 54 x + 18}{6 x^3 + 8 x^2 - 13 x - 1}$$

Sequence: A262000
Score: 4.27060
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (8 + 13 n) a(n + 3) + (-62 - 8 n) a(n + 2)$$
$$+ (-12 - 6 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 18, a(3) = 72\}$$

Sequence: A262000
Score: 5.54624
Type of gen. func.: ogf

$$-(143823330 f(x) + 744540029)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 6 x^3 - 4 f(x) x - 14 x^2 + f(x) - x)$$

Sequence: A262011
Score: 6.78925
Type of gen. func.: ogf

$$^{3} \qquad ^{2}$$

{(n + 6 n + 12 n + 9) a(n + 1) + (-2 - n) a(n + 2), a(0) = 1, a(1) = 2}

Sequence: A262017
Score: 10.5047
Type of gen. func.: ogf

$$-\frac{x^2 - 22 x + 61}{(x - 1) (x^2 - 22 x + 1)}$$

Sequence: A262017
Score: 5.33441
Type of gen. func.: ogf

$(85680335 f(x) + 2609517)$

$(f(x) x^3 - 23 f(x) x^2 + 23 f(x) x + x^2 - f(x) - 22 x + 61)$

Sequence: A262017
Score: 5.59675
Type of gen. func.: ogf

{a(n + 3) - 23 a(n + 2) + 23 a(n + 1) - a(n), a(0) = 61, a(1) = 1381,

a(2) = 30361}

Sequence: A262017
Score: 5.93743
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 44 x^3 - 666 x^2 + 2804 x - 1381}{-x^5 + 45 x^4 - 590 x^3 + 1910 x^2 - 1425 x + 61}$$

Sequence: A262018
Score: 4.95823
Type of gen. func.: ogf

$(31191912 f(x) - 5461901)$

3 2 2

$$(f(x)\, x - 179\, f(x)\, x + 179\, f(x)\, x + 28\, x - f(x) + 296\, x + 28)$$

Sequence: A262018
Score: 5.23590
Type of gen. func.: ogf

$\{a(n + 3) - 179\, a(n + 2) + 179\, a(n + 1) - a(n),\ a(0) = 28,\ a(1) = 5308,$

$a(2) = 945148\}$

Sequence: A262018
Score: 5.36465
Type of gen. func.: lgdogf

$$-\frac{-7\, x^4 - 148\, x^3 + 14478\, x^2 + 2492\, x - 1327}{-7\, x^5 + 1179\, x^4 + 11986\, x^3 - 11986\, x^2 - 1179\, x + 7}$$

Sequence: A262018
Score: 9.48532
Type of gen. func.: ogf

$$-\frac{4\, (7\, x^2 + 74\, x + 7)}{(x - 1)\, (x^2 - 178\, x + 1)}$$

Sequence: A262019
Score: 4.5137
Type of gen. func.: ogf

$-(1086975976581\, f(x) + 90715756393)$

$$(f(x)\, x^3 - 179\, f(x)\, x^2 + 179\, f(x)\, x - 25\, x^2 - f(x) + 890\, x + 15)$$

Sequence: A262019
Score: 5.23590
Type of gen. func.: ogf

$\{-a(n + 3) + 179\, a(n + 2) - 179\, a(n + 1) + a(n),\ a(0) = 15,\ a(1) = 3575,$

$a(2) = 637215\}$

Sequence: A262019
Score: 5.45406
Type of gen. func.: lgdogf

$$-\frac{5 x^4 - 356 x^3 + 30958 x^2 + 1084 x - 715}{5 x^5 - 1073 x^4 + 32754 x^3 - 31330 x^2 - 359 x + 3}$$

Sequence: A262019
Score: 9.48532
Type of gen. func.: ogf

$$\frac{5 (5 x^2 - 178 x - 3)}{(x - 1) (x^2 - 178 x + 1)}$$

Sequence: A262020
Score: 4.26639
Type of gen. func.: ogf

$\{(-2 - n) a(n + 1) + (-3 - n) a(n + 2) + a(n + 4) + 2 a(n + 3), a(0) = 1,$

$a(1) = 0, a(2) = 1, a(3) = -1\}$

Sequence: A262035
Score: 3.71379
Type of gen. func.: ogf

$\{(12 n^3 + 42 n^2 + 36 n) a(n) + (-4 n^3 - 33 n^2 - 83 n - 60) a(n + 1)$

$+ (n^2 + 6 n + 8) a(n + 2), a(0) = 1, a(1) = 2\}$

Sequence: A262035
Score: 4.73165
Type of gen. func.: egf]

$16 f(x)^2 x^3 - 4 f(x)^2 x^2 - 16 f(x) x^3 + 4 f(x) x^2 + 4 x^3 + 8 f(x) x - x^2$

```
     - 2 f(x) - 4 x + 2
```

Sequence: A262062
Score: 4.82557
Type of gen. func.: ogf

```
(3685297488 f(x) + 93887663)

            3             2                 2
    (f(x) x  - 27 f(x) x  + 27 f(x) x + x  - f(x) - 26 x + 85)
```

Sequence: A262062
Score: 5.18157
Type of gen. func.: ogf

```
{a(n + 3) - 27 a(n + 2) + 27 a(n + 1) - a(n), a(0) = 85, a(1) = 2269,

    a(2) = 58969}
```

Sequence: A262062
Score: 9.72540
Type of gen. func.: ogf

```
                       2
                      x  - 26 x + 85
                 - ------------------------
                                2
                   (x - 1) (x  - 26 x + 1)
```

Sequence: A262063
Score: 11.2389
Type of gen. func.: ogf

```
                       6 (x - 13)
                 -----------------------
                               2
                 (x - 1) (x  - 26 x + 1)
```

Sequence: A262063
Score: 4.91701
Type of gen. func.: ogf

```
-(49530398372 f(x) + 209556635)

            3             2
    (f(x) x  - 27 f(x) x  + 27 f(x) x - f(x) - 6 x + 78)
```

Sequence: A262063
Score: 5.15884
Type of gen. func.: ogf

$$\{-a(n + 3) + 27 a(n + 2) - 27 a(n + 1) + a(n), a(0) = 78, a(1) = 2100, a(2) = 54594\}$$

Sequence: A262063
Score: 6.91624
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 66 x^2 + 702 x - 350}{x^4 - 40 x^3 + 378 x^2 - 352 x + 13}$$

Sequence: A262074
Score: 4.97806
Type of gen. func.: ogf

$$(1261373953 f(x) + 27621766) (f(x) x^3 - 31 f(x) x^2 + 31 f(x) x + x^2 - f(x) - 30 x + 113)$$

Sequence: A262074
Score: 5.29923
Type of gen. func.: ogf

$$\{a(n + 3) - 31 a(n + 2) + 31 a(n + 1) - a(n), a(0) = 113, a(1) = 3473, a(2) = 104161\}$$

Sequence: A262074
Score: 5.56868
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 60 x^3 - 1238 x^2 + 7004 x - 3473}{-x^5 + 61 x^4 - 1074 x^3 + 4434 x^2 - 3533 x + 113}$$

Sequence: A262074
Score: 9.95612
Type of gen. func.: ogf

$$-\frac{x^2 - 30 x + 113}{(x - 1) (x^2 - 30 x + 1)}$$

Sequence: A262075
Score: 11.4795
Type of gen. func.: ogf

$$\frac{7 (x - 15)}{(x - 1) (x^2 - 30 x + 1)}$$

Sequence: A262075
Score: 5.03331
Type of gen. func.: ogf

$$-(156970980960 f(x) + 586396817)$$

$$(f(x) x^3 - 31 f(x) x^2 + 31 f(x) x - f(x) - 7 x + 105)$$

Sequence: A262075
Score: 5.31976
Type of gen. func.: ogf

$$\{-a(n + 3) + 31 a(n + 2) - 31 a(n + 1) + a(n), a(0) = 105, a(1) = 3248,$$

$$a(2) = 97433\}$$

Sequence: A262075
Score: 7.19045
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 76 x^2 + 930 x - 464}{x^4 - 46 x^3 + 496 x^2 - 466 x + 15}$$

Sequence: A262076
Score: 5.66684
Type of gen. func.: ogf

$$-\frac{26 (x^4 + 22 x^3 + 317 x^2 + 22 x + 1)}{(x - 1) (x^4 - 3148 x^2 + 1)}$$

Sequence: A262077
Score: 5.61485
Type of gen. func.: ogf

$$\frac{3 (9 x^4 + 140 x^3 - 6296 x^2 - 140 x - 5)}{(x - 1) (x^4 - 3148 x^2 + 1)}$$

Sequence: A262139
Score: 10.9995
Type of gen. func.: ogf

$$-\frac{x^2 - 9 x + 22}{(x - 1) (x^2 - 6 x + 1)}$$

Sequence: A262139
Score: 5.45578
Type of gen. func.: ogf

$$(76449656 f(x) + 3171595)$$

$$(f(x) x^3 - 7 f(x) x^2 + 7 f(x) x + x^2 - f(x) - 9 x + 22)$$

Sequence: A262139
Score: 5.82882
Type of gen. func.: ogf

$\{a(n + 3) - 7 a(n + 2) + 7 a(n + 1) - a(n), a(0) = 22, a(1) = 145, a(2) = 862\}$

Sequence: A262139
Score: 6.19975
Type of gen. func.: lgdogf

$$-\frac{x^4 - 18x^3 + 122x^2 - 306x + 145}{x^5 - 16x^4 + 92x^3 - 218x^2 + 163x - 22}$$

Sequence: A262140
Score: 12.6291
Type of gen. func.: ogf

$$\frac{4(x - 5)}{(x - 1)(x^2 - 6x + 1)}$$

Sequence: A262140
Score: 5.82882
Type of gen. func.: ogf

{-a(n + 3) + 7 a(n + 2) - 7 a(n + 1) + a(n), a(0) = 20, a(1) = 136, a(2) = 812}

Sequence: A262140
Score: 5.82883
Type of gen. func.: ogf

$$-(780099 f(x) - 73261) (f(x) x^3 - 7 f(x) x^2 + 7 f(x) x - f(x) - 4 x + 20)$$

Sequence: A262140
Score: 7.92991
Type of gen. func.: lgdogf

$$-\frac{2x^3 - 22x^2 + 70x - 34}{x^4 - 12x^3 + 42x^2 - 36x + 5}$$

Sequence: A262141

Score: 4.56731
Type of gen. func.: ogf

```
(46744057143 f(x) + 799247779)

          3             2                 2
    (f(x) x  - 39 f(x) x  + 39 f(x) x + x  - f(x) - 38 x + 181)
```

Sequence: A262141
Score: 4.93564
Type of gen. func.: ogf

```
{a(n + 3) - 39 a(n + 2) + 39 a(n + 1) - a(n), a(0) = 181, a(1) = 7021,

    a(2) = 266761}
```

Sequence: A262141
Score: 9.27302
Type of gen. func.: ogf

```
                   2
                  x  - 38 x + 181
            - -------------------------
                           2
                (x - 1) (x  - 38 x + 1)
```

Sequence: A262142
Score: 10.6897
Type of gen. func.: ogf

```
                   9 (x - 19)
              -----------------------
                          2
              (x - 1) (x  - 38 x + 1)
```

Sequence: A262142
Score: 4.61599
Type of gen. func.: ogf

```
-(1051741285880 f(x) + 3179197061)

          3             2
    (f(x) x  - 39 f(x) x  + 39 f(x) x - f(x) - 9 x + 171)
```

Sequence: A262142
Score: 4.91380

Type of gen. func.: ogf

{-a(n + 3) + 39 a(n + 2) - 39 a(n + 1) + a(n), a(0) = 171, a(1) = 6660,

a(2) = 253071}

Sequence: A262142
Score: 6.62295
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 96 x^2 + 1482 x - 740}{x^4 - 58 x^3 + 780 x^2 - 742 x + 19}$$

Sequence: A262148
Score: 8.72839
Type of gen. func.: ogf

$$-\frac{56 (7 x^5 + x^4 + 7 x^3 + 7 x^2 + x + 1)}{(7 x^3 + 1) (7 x^3 - 1)}$$

Sequence: A262150
Score: 10.0174
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^2 - x}{x^5 + 2 x^4 + 3 x^3 + 3 x^2 + 2 x + 1}$$

Sequence: A262157
Score: 10.0698
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^3 + x^2 - x + 2}{x^5 + x^3 + x^2 + 1}$$

Sequence: A262160
Score: 12.6278
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^5 - 1}{-x^7 - x^6 - x - 1}$$

Sequence: A262183
Score: 11.4906
Type of gen. func.: ogf

$$-\frac{x}{(10 x - 1) (x - 1)^4}$$

Sequence: A262183
Score: 13.7003
Type of gen. func.: lgdogf

$$-\frac{50 x - 14}{10 x^2 - 11 x + 1}$$

Sequence: A262183
Score: 4.62609
Type of gen. func.: ogf

{(n + 2) a(n + 3) + (-25 - 11 n) a(n + 2) + (50 + 10 n) a(n + 1), a(0) = 0,

a(1) = 1, a(2) = 14}

Sequence: A262184
Score: 7.05701
Type of gen. func.: ogf

$$-\frac{x^5 + x^4 - 7 x^3 + x^2 + 3 x - 1}{(x - 1) (x + 1) (x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A262221
Score: 12.5769
Type of gen. func.: lgdogf

$$-\frac{x^2 + 48 x + 26}{x^3 + 22 x^2 - 22 x - 1}$$

Sequence: A262221
Score: 13.7940
Type of gen. func.: ogf

$$-\frac{x^2 + 23 x + 1}{(x - 1)^3}$$

Sequence: A262221
Score: 7.43676
Type of gen. func.: ogf

$$(31 f(x) - 438) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 23 x + 1)$$

Sequence: A262221
Score: 7.50199
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 26, a(2) = 76\}$

Sequence: A262222
Score: 6.30536
Type of gen. func.: ogf

$$-\frac{233 x^{10} - x^9 - x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 480}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A262229
Score: 8.21110
Type of gen. func.: ogf

$$-\frac{791 x^{19} - 791 x^{18} + x^{5} - x^{4} + 75 x^{3} - 75 x^{2} + 9 x - 10}{(x - 1)^{2}}$$

Sequence: A262236
Score: 8.12092
Type of gen. func.: ogf

$$-\frac{2 x^{6} - x^{5} - x^{2} + 3 x - 2}{(x - 1) (2 x - 1) (x + 1) (x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A262242
Score: 8.47502
Type of gen. func.: ogf

$$\frac{240 x^{6} + 28 x^{5} - 70 x^{4} + 24 x^{3} - 2 x^{2} - 12 x + 3}{(2 x - 1) (4 x - 1)}$$

Sequence: A262258
Score: 10.3824
Type of gen. func.: ogf

$$\frac{2 x^{5} + 2 x^{4} - 4 x^{3} - 2 x^{2} + 2 x + 1}{(2 x^{2} - 1)^{2}}$$

Sequence: A262258
Score: 8.00930
Type of gen. func.: lgdogf

$$-\frac{4 x^{6} - 2 x^{4} - 4 x - 2}{-4 x^{7} - 4 x^{6} + 10 x^{5} + 6 x^{4} - 8 x^{3} - 4 x^{2} + 2 x + 1}$$

Sequence: A262267
Score: 5.18614
Type of gen. func.: ogf

$$(17 f(x) + 30)$$

$$(2 f(x) x^4 - 3 f(x) x^3 + 3 f(x) x^2 + 2 x^3 - 3 f(x) x - x^2 + f(x) + 2 x - 2)$$

Sequence: A262267
Score: 9.36200
Type of gen. func.: ogf

$$-\frac{2 x^3 - x^2 + 2 x - 2}{(2 x - 1) (x - 1) (x^2 + 1)}$$

Sequence: A262268
Score: 4.17373
Type of gen. func.: ogf

$$-\frac{32 x^7 + 8 x^6 + 20 x^5 - 10 x^4 - 29 x^3 + x^2 - 8 x + 4}{(x - 1) (4 x - 1) (2 x - 1) (x + 1) (4 x^2 + 1) (x^2 + 1)}$$

Sequence: A262303
Score: 5.07888
Type of gen. func.: ogf

$$-\frac{x^3 (x^{40} - 2 x^{35} - 2 x^{25} - x^{20} - 2 x^{15} - x^{10} - x^5 - 1)}{(x - 1) (x^2 + 1) (x^8 - x^6 + x^4 - x^2 + 1) (x^{30} - x^{20} - 1)}$$

Sequence: A262326
Score: 10.5755
Type of gen. func.: ogf

$$-\frac{9 x^2 + 4 x - 3}{(3 x - 1) (3 x^2 - 1)}$$

Sequence: A262326
Score: 5.56123
Type of gen. func.: ogf

$$-(f(x) + 22) (9 f(x) x^3 - 3 f(x) x^2 - 3 f(x) x + 9 x^2 + f(x) + 4 x - 3)$$

Sequence: A262326
Score: 5.70888
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 3 a(n + 1) + 9 a(n), a(0) = 3, a(1) = 5, a(2) = 15\}$$

Sequence: A262326
Score: 6.58269
Type of gen. func.: lgdogf

$$- \frac{81 x^4 + 72 x^3 - 66 x^2 + 5}{81 x^5 + 9 x^4 - 66 x^3 + 6 x^2 + 13 x - 3}$$

Sequence: A262327
Score: 5.16801
Type of gen. func.: ogf

$$-(f(x) + 94) (54 f(x) x^3 - 9 f(x) x^2 - 6 f(x) x + 54 x^2 + f(x) + 21 x - 6)$$

Sequence: A262327
Score: 5.34777
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) - 9 a(n + 1) + 54 a(n), a(0) = 6, a(1) = 15, a(2) = 90\}$$

Sequence: A262327
Score: 9.60927
Type of gen. func.: ogf

$$3 (18 x^2 + 7 x - 2)$$

$$- \frac{\qquad}{(6 x - 1) (3 x - 1) (3 x + 1)}$$

Sequence: A262328
Score: 3.50843
Type of gen. func.: ogf

$$- \frac{17732 x^6 + 16120 x^5 - 6687 x^4 - 2762 x^3 + 540 x^2 + 88 x - 11}{(2 x + 1) (2 x - 1) (11 x - 1) (31 x^2 - 1) (13 x^2 - 1)}$$

Sequence: A262333
Score: 8.48087
Type of gen. func.: ogf

$$- \frac{2 x^4 - x^3 + 2 x - 2}{(x - 1) (2 x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A262334
Score: 3.24862
Type of gen. func.: ogf

$$- (64 x^{10} + 16 x^9 + 24 x^8 + 32 x^7 - 22 x^6 + 3 x^5 - 61 x^4 + x^3 - 8 x + 4) / ($$

$$(x - 1) (4 x - 1) (2 x + 1) (2 x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)$$

$$(4 x^2 - 2 x + 1))$$

Sequence: A262342
Score: 12.3151
Type of gen. func.: ogf

$$- \frac{2 x^2 - 15 x + 10}{(x - 1) (x^2 - 7 x + 1)}$$

Sequence: A262342
Score: 6.25687
Type of gen. func.: ogf

$$-(12267 f(x) + 3742) (f(x) x^3 - 8 f(x) x^2 + 8 f(x) x + 2 x^2 - f(x) - 15 x + 10)$$

Sequence: A262342
Score: 6.68837
Type of gen. func.: ogf

$$\{-a(n + 3) + 8 a(n + 2) - 8 a(n + 1) + a(n), a(0) = 10, a(1) = 65, a(2) = 442\}$$

Sequence: A262342
Score: 7.11790
Type of gen. func.: lgdogf

$$-\frac{-2 x^4 + 30 x^3 - 134 x^2 + 156 x - 65}{-2 x^5 + 31 x^4 - 146 x^3 + 202 x^2 - 95 x + 10}$$

Sequence: A262343
Score: 6.60725
Type of gen. func.: ogf

$$\frac{3 x^{10} + x^9 + 9 x^8 + 6 x^7 + 5 x^6 + 9 x^5 + 15 x^4 + 2 x^3 + 9 x^2 + 3 x + 1}{(x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2}$$

Sequence: A262346
Score: 17.6099
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x}{-x^4 - x^3 + x + 1}$$

Sequence: A262352
Score: 27.8880
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{14} + x$$

Sequence: A262360
Score: 9.33823
Type of gen. func.: ogf_with_Euler_transform]

$$[2]$$

Sequence: A262364
Score: 10.8725
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^3 - x^2 - x}{-x^6 - x^5 + x + 1}$$

Sequence: A262380
Score: 19.7820
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4 x - 3}{-x^2 + 1}$$

Sequence: A262389
Score: 10.5815
Type of gen. func.: ogf

$$\frac{(x^2 - x + 2) (x^2 + 2 x + 2)}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A262394
Score: 3.83626
Type of gen. func.: ogf

$$-27 f(x)^3 x^4 + 4 f(x)^3 x^3 - 54 f(x)^2 x^3 + 8 f(x)^2 x^2 - 36 f(x) x^2 + 12 f(x) x$$

$$- f(x) - 8 x + 1$$

Sequence: A262397
Score: 4.74258
Type of gen. func.: ogf

$$-\frac{x^{3} (x^{4} + x^{3} + x^{2} + x + 1) (x^{12} - x^{11} + x^{10} - x^{8} + 2 x^{6} - x^{4} + x^{2} - x + 1)}{(x^{2} + x + 1) (x^{2} - x + 1) (x^{6} + x^{3} + 1) (x^{6} - x^{3} + 1) (x - 1)^{3} (x + 1)^{3}}$$

Sequence: A262402
Score: 10.9775
Type of gen. func.: lgdogf

$$-\frac{-12 x^{3} - 56 x^{2} - 86 x - 38}{-4 x^{4} - 11 x^{3} - 5 x^{2} + 11 x + 9}$$

Sequence: A262402
Score: 11.3742
Type of gen. func.: ogf

$$\frac{2 x (4 x^{2} + 11 x + 9)}{(x + 1) (x - 1)^{4}}$$

Sequence: A262407
Score: 3.43698
Type of gen. func.: ogf

$$\{(-16 n^{2} - 16 n) a(n) + (-6 n^{2} + 4 n + 16) a(n + 1)$$

$$+ (9 n^{2} + 41 n + 44) a(n + 2) + (-n^{2} - 6 n - 8) a(n + 3), a(0) = 0,$$

$$a(1) = 1, a(2) = 4\}$$

Sequence: A262414
Score: 10.2254
Type of gen. func.: lgdogf

$$-\frac{-27 x^2 + 6 x + 3}{-9 x^3 + 3 x^2 + 3 x - 1}$$

Sequence: A262414
Score: 14.7700
Type of gen. func.: ogf

$$\frac{4 x}{(3 x - 1) (3 x^2 - 1)}$$

Sequence: A262414
Score: 5.93439
Type of gen. func.: ogf

$\{-a(n + 3) + 3 a(n + 2) + 3 a(n + 1) - 9 a(n), a(0) = 0, a(1) = 4, a(2) = 12\}$

Sequence: A262414
Score: 8.63184
Type of gen. func.: ogf

$$9 f(x) x^3 - 3 f(x) x^2 - 3 f(x) x + f(x) - 4 x$$

Sequence: A262415
Score: 4.96792
Type of gen. func.: ogf

$$-(17 f(x) + 198) (54 f(x) x^3 - 9 f(x) x^2 - 6 f(x) x + 54 x^2 + f(x) - 9 x - 6)$$

Sequence: A262415
Score: 5.13922
Type of gen. func.: ogf

$\{a(n + 3) - 6 a(n + 2) - 9 a(n + 1) + 54 a(n), a(0) = 6, a(1) = 45, a(2) = 270\}$

Sequence: A262415
Score: 9.46270
Type of gen. func.: ogf

$$-\frac{3\,(18\,x^{2}-3\,x-2)}{(6\,x-1)\,(3\,x-1)\,(3\,x+1)}$$

Sequence: A262416
Score: 4.19404
Type of gen. func.: ogf

$$\frac{6\,x\,(14\,x^{3}-184\,x^{2}+x+19)}{(2\,x+1)\,(2\,x-1)\,(11\,x-1)\,(31\,x^{2}-1)\,(13\,x^{2}-1)}$$

Sequence: A262421
Score: 4.61314
Type of gen. func.: ogf

$$-\frac{140\,x^{5}-34\,x^{4}-141\,x^{3}+35\,x^{2}+21\,x-5}{(x-1)\,(2\,x+1)\,(2\,x-1)\,(5\,x-1)\,(x+1)\,(7\,x^{2}-1)}$$

Sequence: A262438
Score: 10.5339
Type of gen. func.: lgdogf

$$-\frac{-15\,x^{16}+16\,x^{15}+1}{x^{17}-x^{16}+x-1}$$

Sequence: A262438
Score: 18.5598
Type of gen. func.: ogf

$$-\frac{x^{16}+1}{x-1}$$

Sequence: A262440
Score: 3.65391
Type of gen. func.: ogf

$$3 f(x)^3 x^3 + 4 x^2 f(x)^3 - 3 f(x)^2 x^3 + 20 x f(x)^3 - 4 f(x)^2 x^2 - 4 f(x)^3 - 20 f(x)^2 x + 3 f(x) x^2 + 4 f(x)^2 + 5 f(x) x - x$$

Sequence: A262441
Score: 7.31871
Type of gen. func.: ogf

$$x^2 f(x)^3 + f(x)^2 x^2 - 2 f(x)^2 x + f(x) x^2 + f(x) - 1$$

Sequence: A262450
Score: 9.67217
Type of gen. func.: ogf

$$-\frac{2 x^4 + x^3 + x^2 + x - 2}{(x - 1) (2 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A262466
Score: 4.43840
Type of gen. func.: ogf

$$-\frac{33 x^7 - 11 x^6 + 11 x^5 - 15 x^4 - 11 x^3 + x^2 - x + 1}{(3 x - 1) (x - 1) (x^2 + 1) (11 x^4 - 1)}$$

Sequence: A262473
Score: 6.87497
Type of gen. func.: ogf

$$-\frac{16 x^4 + 12 x^3 - 20 x^2 - 7 x + 4}{(x - 1) (4 x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A262480
Score: 4.11404
Type of gen. func.: egf]

$$\{(n + 3) a(n + 1) + (-3 - n) a(n + 2) + (-n^2 - 5 n - 4) a(n + 3) + (n^2 + 5 n + 4) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 1/2, a(3) = 1/3, a(4) = 1/3\}$$

Sequence: A262482
Score: 8.12092
Type of gen. func.: ogf

$$- \frac{2 x^7 - x^6 - x^3 + 3 x - 2}{(2 x - 1) (x - 1) (x^2 + 1) (x^4 - x^2 + 1)}$$

Sequence: A262489
Score: 7.52386
Type of gen. func.: ogf

$$- \frac{x^4 - x^3 - 10 x^2 + 11 x + 7}{(x - 1) (x^4 - 10 x^2 + 1)}$$

Sequence: A262490
Score: 11.9081
Type of gen. func.: ogf

$$- \frac{(x - 3)^2}{(x - 1) (x^2 - 6 x + 1)}$$

Sequence: A262490
Score: 6.15589
Type of gen. func.: ogf

3 2 2

$$(33457 f(x) + 2660) (f(x) x - 7 f(x) x + 7 f(x) x + x - f(x) - 6 x + 9)$$

Sequence: A262490
Score: 6.31647
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 7 a(n + 1) - a(n), a(0) = 9, a(1) = 57, a(2) = 337\}$$

Sequence: A262490
Score: 8.54581
Type of gen. func.: lgdogf

$$- \frac{-x^3 + 9 x^2 - 35 x + 19}{-x^4 + 10 x^3 - 28 x^2 + 22 x - 3}$$

Sequence: A262491
Score: 5.54560
Type of gen. func.: ogf

$$- \frac{10 x^8 + 33 x^6 + 77 x^5 - 3511 x^4 + 3234 x^3 + 429 x^2 + 77 x + 43}{(x - 1) (x^8 - 394 x^4 + 1)}$$

Sequence: A262492
Score: 5.54229
Type of gen. func.: ogf

$$- \frac{12 x^8 + 13 x^6 + 65 x^5 - 1107 x^4 + 910 x^3 + 117 x^2 + 65 x + 25}{(x - 1) (x^4 + 10 x^2 - 1) (x^4 - 10 x^2 - 1)}$$

Sequence: A262523
Score: 10.0457
Type of gen. func.: ogf

$$- \frac{x (x + 2) (x + 1)}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A262523
Score: 8.21919
Type of gen. func.: lgdogf

$$-\frac{-3x^4-14x^3-18x^2-12x-7}{-x^5-3x^4-2x^3+x^2+3x+2}$$

Sequence: A262543
Score: 13.9828
Type of gen. func.: ogf

$$-f(x)^2 x-4f(x)x+2f(x)-4x$$

Sequence: A262543
Score: 20.6247
Type of gen. func.: revogf

$$-\frac{2x}{-x^2-4x-4}$$

Sequence: A262543
Score: 8.68408
Type of gen. func.: ogf

$$\{(-4n-2)a(n)+(n+2)a(n+1), a(0)=0, a(1)=2\}$$

Sequence: A262564
Score: 12.1296
Type of gen. func.: ogf

$$-\frac{x^5-3x^4+3x^3-x^2+x-2}{(x-1)^2}$$

Sequence: A262565
Score: 10.0522
Type of gen. func.: ogf

$$-\frac{(x^2 + 1)(2x^2 + x + 2)}{(x - 1)(x^2 + x + 1)(x^2 - x + 1)}$$

Sequence: A262572
Score: 4.90152
Type of gen. func.: ogf

$$(121111020 x^9 - 230111010 x^8 + 98100000 x^7 + 9810000 x^6 + 981000 x^5 + 98100 x^4 + 9810 x^3 + 991 x^2 + 89 x - 1) \Big/ ((100 x - 1)(x - 1)^2)$$

Sequence: A262573
Score: 4.90152
Type of gen. func.: ogf

$$(112111020 x^9 - 213011010 x^8 + 90810000 x^7 + 9081000 x^6 + 908100 x^5 + 90810 x^4 + 9091 x^3 + 899 x^2 + 90 x - 1) \Big/ ((100 x - 1)(x - 1)^2)$$

Sequence: A262574
Score: 4.90152
Type of gen. func.: ogf

$$(111211020 x^9 - 211301010 x^8 + 90081000 x^7 + 9008100 x^6 + 900810 x^5 + 90091 x^4 + 8999 x^3 + 900 x^2 + 90 x - 1) \Big/ ((100 x - 1)(x - 1)^2)$$

Sequence: A262575
Score: 4.90152
Type of gen. func.: ogf

$$(111121020 x^9 - 211130010 x^8 + 90008100 x^7 + 9000810 x^6 + 900091 x^5 + 89999 x^4$$

$$+ 9000 x^3 + 900 x^2 + 90 x - 1) \Big/ ((100 x - 1) (x - 1)^2)$$

Sequence: A262576
Score: 4.90152
Type of gen. func.: ogf

$$(111112020 x^9 - 211112910 x^8 + 90000810 x^7 + 9000091 x^6 + 899999 x^5 + 90000 x^4$$
$$+ 9000 x^3 + 900 x^2 + 90 x - 1) \Big/ ((100 x - 1) (x - 1)^2)$$

Sequence: A262577
Score: 4.90152
Type of gen. func.: ogf

$$(111111120 x^9 - 211111200 x^8 + 90000091 x^7 + 8999999 x^6 + 900000 x^5 + 90000 x^4$$
$$+ 9000 x^3 + 900 x^2 + 90 x - 1) \Big/ ((100 x - 1) (x - 1)^2)$$

Sequence: A262578
Score: 4.90152
Type of gen. func.: ogf

$$(111111030 x^9 - 211111019 x^8 + 89999999 x^7 + 9000000 x^6 + 900000 x^5 + 90000 x^4$$
$$+ 9000 x^3 + 900 x^2 + 90 x - 1) \Big/ ((100 x - 1) (x - 1)^2)$$

Sequence: A262579
Score: 4.90152
Type of gen. func.: ogf

$$(111111031 x^9 - 211111021 x^8 + 90000000 x^7 + 9000000 x^6 + 900000 x^5 + 90000 x^4$$
$$+ 9000 x^3 + 900 x^2 + 90 x - 1) \Big/ ((100 x - 1) (x - 1)^2)$$

Sequence: A262592
Score: 11.6886
Type of gen. func.: ogf

$$\frac{(2 x - 1)^2}{(3 x - 1) (x - 1)^3}$$

Sequence: A262592
Score: 12.5741
Type of gen. func.: lgdogf

$$- \frac{-12 x^2 + 8 x - 2}{-6 x^3 + 11 x^2 - 6 x + 1}$$

Sequence: A262592
Score: 4.12882
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-20 - 6 n) a(n + 3) + (30 + 11 n) a(n + 2) + (-6 n - 18) a(n + 1), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 10\}$$

Sequence: A262592
Score: 6.23979
Type of gen. func.: ogf

$$(43 f(x) - 21) (3 f(x) x^4 - 10 f(x) x^3 + 12 f(x) x^2 - 6 f(x) x - 4 x^2 + f(x) + 4 x - 1)$$

Sequence: A262593
Score: 12.8661
Type of gen. func.: lgdogf

$$- \frac{-24 x^2 - x + 1}{-12 x^3 + 19 x^2 - 8 x + 1}$$

Sequence: A262593
Score: 4.28870
Type of gen. func.: ogf

{(-n - 4) a(n + 4) + (23 + 8 n) a(n + 3) + (-37 - 19 n) a(n + 2)

+ (36 + 12 n) a(n + 1), a(0) = 1, a(1) = -1, a(2) = -3, a(3) = -1}

Sequence: A262593
Score: 9.57810
Type of gen. func.: ogf

$$\frac{(3 x - 1)^3}{(4 x - 1) (x - 1)^4}$$

Sequence: A262594
Score: 11.2462
Type of gen. func.: ogf

$$- \frac{(2 x - 1)^2}{(4 x - 1) (x - 1)^4}$$

Sequence: A262594
Score: 13.4283
Type of gen. func.: lgdogf

$$- \frac{-24 x^2 + 16 x - 4}{-8 x^3 + 14 x^2 - 7 x + 1}$$

Sequence: A262594
Score: 4.45393
Type of gen. func.: ogf

{(n + 4) a(n + 4) + (-25 - 7 n) a(n + 3) + (44 + 14 n) a(n + 2)

+ (-32 - 8 n) a(n + 1), a(0) = 1, a(1) = 4, a(2) = 14, a(3) = 52}

Sequence: A262600
Score: 14.0377
Type of gen. func.: ogf

$$\frac{x^4}{(3x-1)(x-1)(x^2-3x+1)}$$

Sequence: A262600
Score: 6.71367
Type of gen. func.: ogf

$$f(x)\,(3 f(x) x^4 - 13 f(x) x^3 - x^4 + 16 f(x) x^2 - 7 f(x) x + f(x))$$

Sequence: A262600
Score: 9.08320
Type of gen. func.: lgdogf

$$-\frac{-12x^3+39x^2-32x+7}{-3x^4+13x^3-16x^2+7x-1}$$

Sequence: A262601
Score: 4.96002
Type of gen. func.: ogf

$$\{(n^3+9n^2+26n+24)\,a(n+1)+(-n^2-9n-20)\,a(n+2)+a(n+3),$$
$$a(0)=1,\ a(1)=6,\ a(2)=66\}$$

Sequence: A262602
Score: 9.21283
Type of gen. func.: ogf

$$-\frac{x^6+x^5+x^4+2x^3+2x^2+1}{(x^2+1)(x^5-x^3+x^2+x-1)}$$

Sequence: A262607
Score: 4.86463
Type of gen. func.: ogf

$$-f(x)^2 x^3 + 6 f(x)^2 x^2 - 2 f(x) x^3 - f(x)^2 x + 13 f(x) x^2 - 8 f(x) x + f(x) + 6 x - 1$$

Sequence: A262614
Score: 10.0986
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^5 + 2 x^4 - x^3 + 3 x^2 - x + 2}{-x^6 + 1}$$

Sequence: A262664
Score: 4.99755
Type of gen. func.: ogf

$$5 f(x)^2 x^3 - 16 f(x)^2 x^2 + 13 f(x)^2 x + 10 f(x) x^2 - 2 f(x)^2 - 12 f(x) x + 2 f(x) + x$$

Sequence: A262667
Score: 13.9095
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^3 - 2 x - 2}{x^4 - 2 x^2 + 1}$$

Sequence: A262672
Score: 13.3637
Type of gen. func.: ogf

$$-\frac{x^3 + x - 3}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A262699
Score: 12.7868
Type of gen. func.: ogf

$$\frac{(x - 1)\,(2\,x^{4} + 2\,x^{3} + 3\,x^{2} + 3\,x + 1)}{2\,x^{2} - 1}$$

Sequence: A262699
Score: 8.18928
Type of gen. func.: lgdogf

$$-\frac{-12\,x^{6} + 8\,x^{4} - x^{2} - 4\,x - 2}{4\,x^{7} - 5\,x^{3} - 2\,x^{2} + 2\,x + 1}$$

Sequence: A262709
Score: 3.83695
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2\,x^{9} + x^{8} - x^{7} - x^{6} - 2\,x^{5} + x^{4} - 2\,x^{3} - x^{2} + x - 1}{x^{10} - x^{9} + x^{8} - x^{2} + x - 1}$$

Sequence: A262710
Score: 13.8040
Type of gen. func.: ogf

$$\{-a(n + 1) - 4\,a(n),\ a(0) = 1\}$$

Sequence: A262710
Score: 17.5075
Type of gen. func.: ogf

$$4\,f(x)\,x + f(x) - 1$$

Sequence: A262710
Score: 25.6361
Type of gen. func.: lgdogf

$$-\frac{4}{4 x + 1}$$

Sequence: A262710
Score: 28.7124
Type of gen. func.: ogf

$$\frac{1}{4 x + 1}$$

Sequence: A262711
Score: 5.61406
Type of gen. func.: ogf

$$- (549 x^{11} + 10 x^{10} + 90 x^{9} + 80 x^{8} + 270 x^{7} + 109 x^{6} + 50 x^{5} + 49 x^{4} + 40 x^{3} + 32 x^{2} + 5 x + 4) / (10 x^{6} - 1)$$

Sequence: A262715
Score: 10.4818
Type of gen. func.: ogf

$$\{a(n + 1) - 841 a(n), a(0) = 29\}$$

Sequence: A262715
Score: 13.1022
Type of gen. func.: ogf

$$-841 f(x) x + f(x) - 29$$

Sequence: A262715
Score: 20.5892
Type of gen. func.: ogf

$$29$$

$$-\frac{}{841 x - 1}$$

Sequence: A262716
Score: 10.7077
Type of gen. func.: ogf

$$\{a(n + 1) - 961 a(n), a(0) = 31\}$$

Sequence: A262716
Score: 13.3846
Type of gen. func.: ogf

$$-961 f(x) x + f(x) - 31$$

Sequence: A262716
Score: 21.0330
Type of gen. func.: ogf

$$-\frac{31}{961 x - 1}$$

Sequence: A262717
Score: 6.05732
Type of gen. func.: ogf

$$27 x^2 f(x)^3 - 4 x f(x)^3 - 32 f(x) x^2 + 8 x^3 - 2 f(x) x + 4 x^2 + f(x) + 6 x - 1$$

Sequence: A262721
Score: 5.99443
Type of gen. func.: ogf

$$(99 x^9 - 1106 x^8 - 2204 x^7 - 1418 x^6 - 111211 x^5 - 1811 x^4 - 1215 x^3 - 14 x^2 - 11 x - 1) / ((x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1))$$

Sequence: A262726

Score: 6.38370
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^7+2x^6-x^5+x+2}{-x^8+x^6-x^2+1}$$

Sequence: A262732
Score: 3.60694
Type of gen. func.: ogf

$$\{(12500n^4+100000n^3+290000n^2+360000n+161280)\,a(n+1)$$
$$+(-27n^4-243n^3-798n^2-1128n-576)\,a(n+3),\ a(0)=1,\ a(1)=8,$$
$$a(2)=126\}$$

Sequence: A262734
Score: 9.09443
Type of gen. func.: ogf

$$-\frac{2x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1}{(x-1)(x^8+1)}$$

Sequence: A262735
Score: 10.3858
Type of gen. func.: ogf

$$-\frac{x(x^2+x-1)}{(x-1)(x^3+2x^2+x-1)}$$

Sequence: A262735
Score: 6.83034
Type of gen. func.: ogf

$$-f(x)x^4-f(x)x^3+f(x)x^2-x^3+2f(x)x-x^2-f(x)+x$$

Sequence: A262735
Score: 7.58167
Type of gen. func.: lgdogf

```
      5      4      3      2
   2 x  + 4 x  - 2 x  - 2 x  + 1
- -------------------------------
   6    5    4    3
  x  + 2 x  - x  - 4 x  + 3 x - 1
```

Sequence: A262736
Score: 10.1379
Type of gen. func.: ogf_with_Euler_transform]

```
    6    5      4      2
  -x  + x  - 3 x  - 3 x  + x - 1
- ------------------------------
           8      4
          x  - 2 x  + 1
```

Sequence: A262737
Score: 7.36110
Type of gen. func.: revogf

```
           4      3      2
         -x  + 3 x  - 3 x  + x
- ------------------------------------
    5      4       3       2
  -x  - 5 x  - 10 x  - 10 x  - 5 x - 1
```

Sequence: A262738
Score: 5.93697
Type of gen. func.: revogf

```
           5      4      3      2
         -x  + 4 x  - 6 x  + 4 x  - x
- -------------------------------------------
   6      5       4       3       2
  x  + 6 x  + 15 x  + 20 x  + 15 x  + 6 x + 1
```

Sequence: A262739
Score: 7.58788
Type of gen. func.: revogf

```
           6      5       4       3      2
         -x  + 5 x  - 10 x  + 10 x  - 5 x  + x
- ----------------------------------------------------
    7      6       5       4       3       2
```

$$-x - 7 x - 21 x - 35 x - 35 x - 21 x - 7 x - 1$$

Sequence: A262753
Score: 5.69857
Type of gen. func.: ogf

$$-\frac{32 x^{6} + 24 x^{5} + 24 x^{4} - 36 x^{3} - 11 x^{2} - 7 x + 4}{(2 x - 1) (4 x - 1) (x - 1) (x^{2} + x + 1) (4 x^{2} + 2 x + 1)}$$

Sequence: A262768
Score: 5.46282
Type of gen. func.: ogf

$$-4 f(x)^{2} x^{3} + f(x)^{2} x^{2} + 4 f(x) x^{3} - x^{4} - f(x) x^{2} - 4 x^{3} - 4 f(x) x - 4 x^{2} + f(x)$$

Sequence: A262770
Score: 10.4218
Type of gen. func.: lgdogf

$$-\frac{-4 x^{8} - 8 x^{7} - 12 x^{6} - 16 x^{5} - 14 x^{4} - 15 x^{3} - 11 x^{2} - 7 x - 3}{-2 x^{9} - 2 x^{8} - 2 x^{7} - 2 x^{6} - x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 1}$$

Sequence: A262771
Score: 8.59501
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{10} + x^{9} + x^{6} + x^{4} + x + 1}{-x^{12} + 1}$$

Sequence: A262773
Score: 10.4346
Type of gen. func.: ogf

4 3 2

$$\frac{x (x + 2 x + 2 x + 2 x + 2)}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A262774
Score: 6.13485
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^7 - x^5 - 2 x^4 - 2 x^2 + x}{x^8 + x^6 - x^2 - 1}$$

Sequence: A262779
Score: 11.5448
Type of gen. func.: ogf

$$\frac{x^2 + 9 x + 1}{(100 x - 1) (x - 1)}$$

Sequence: A262779
Score: 5.87550
Type of gen. func.: ogf

{-a(n + 3) + 101 a(n + 2) - 100 a(n + 1), a(0) = 1, a(1) = 110, a(2) = 11011}

Sequence: A262779
Score: 6.58056
Type of gen. func.: ogf

$$(27 + 248 f(x)) (100 f(x) x^2 - 101 f(x) x - x^2 + f(x) - 9 x - 1)$$

Sequence: A262779
Score: 7.65181
Type of gen. func.: lgdogf

$$-\frac{-1001 x^2 - 198 x + 110}{-100 x^4 - 799 x^3 + 808 x^2 + 92 x - 1}$$

Sequence: A262786
Score: 10.9159
Type of gen. func.: ogf

$$\{a(n + 1) - 1369 a(n), a(0) = 37\}$$

Sequence: A262786
Score: 13.5842
Type of gen. func.: ogf

$$-1369 f(x) x + f(x) - 37$$

Sequence: A262786
Score: 21.0789
Type of gen. func.: ogf

$$-\frac{37}{1369 x - 1}$$

Sequence: A262787
Score: 11.2265
Type of gen. func.: ogf

$$\{a(n + 1) - 1681 a(n), a(0) = 41\}$$

Sequence: A262787
Score: 13.9707
Type of gen. func.: ogf

$$-1681 f(x) x + f(x) - 41$$

Sequence: A262787
Score: 21.6787
Type of gen. func.: ogf

$$-\frac{41}{1681 x - 1}$$

Sequence: A262789
Score: 3.75299
Type of gen. func.: ogf

$$-\frac{288 x^{7} - 184 x^{6} + 84 x^{5} - 42 x^{4} - 285 x^{3} + 193 x^{2} - 72 x + 36}{(x - 1) (4 x - 1) (2 x - 1) (x + 1) (4 x^{2} + 1) (x^{2} + 1)}$$

Sequence: A262803
Score: 19.6845
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{2}{x^{3} - x^{2} - x + 1}$$

Sequence: A262811
Score: 15.1345
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{2} + 1}{-x^{4} + 2 x^{2} - 1}$$

Sequence: A262860
Score: 4.88715
Type of gen. func.: ogf

$$\frac{1024 x^{8} + 512 x^{7} - 1536 x^{6} + 192 x^{5} + 64 x^{4} + 8 x^{3} - 8 x^{2} - 1}{(x - 1) (4 x - 1) (2 x - 1) (4 x + 1) (4 x^{2} + 2 x + 1) (16 x^{2} + 1)}$$

Sequence: A262861
Score: 4.83865
Type of gen. func.: ogf

(269407119786200 f(x) - 17825208659751061)

```
                 4               2         3
```

(10000 f(x) x - 10001 f(x) x - 1000 x + f(x) - 101 x - 1)

Sequence: A262861
Score: 9.40080
Type of gen. func.: ogf

$$\frac{1000 x^{3} + 101 x + 1}{(x - 1) (100 x - 1) (100 x + 1) (x + 1)}$$

Sequence: A262862
Score: 12.2208
Type of gen. func.: ogf

$$\frac{8 x^{3} + 5 x + 1}{(x - 1) (4 x - 1) (4 x + 1) (x + 1)}$$

Sequence: A262862
Score: 6.80215
Type of gen. func.: ogf

$$(177624 f(x) - 1252709) (16 f(x) x^{4} - 17 f(x) x^{2} - 8 x^{3} + f(x) - 5 x - 1)$$

Sequence: A262863
Score: 4.59214
Type of gen. func.: ogf

{-a(n + 4) + 11 a(n + 3) - 11 a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 1,

a(1) = 10, a(2) = 100, a(3) = 1001}

Sequence: A262863
Score: 4.6846
Type of gen. func.: ogf

$$-(9110011 f(x) + 1659920)$$

$$(10 f(x) x^{4} - 11 f(x) x^{3} + 11 f(x) x^{2} - 11 f(x) x - x^{2} + f(x) + x - 1)$$

Sequence: A262863
Score: 9.56171
Type of gen. func.: ogf

$$\frac{x^2 - x + 1}{(x - 1) (10 x - 1) (x^2 + 1)}$$

Sequence: A262864
Score: 11.5501
Type of gen. func.: ogf

$$\frac{x^2 - x + 1}{(2 x - 1) (x - 1) (x^2 + 1)}$$

Sequence: A262864
Score: 5.61237
Type of gen. func.: ogf

$$\{-a(n + 4) + 3 a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 9\}$$

Sequence: A262864
Score: 6.03756
Type of gen. func.: ogf

$$(115 f(x) + 96) (2 f(x) x^4 - 3 f(x) x^3 + 3 f(x) x^2 - 3 f(x) x - x^2 + f(x) + x - 1)$$

Sequence: A262876
Score: 21.9975
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x}{x^6 - 2 x^3 + 1}$$

Sequence: A262877
Score: 22.4148
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{1}{-x^{6}+2\,x^{3}-1}$$

Sequence: A262878
Score: 11.5516
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{7}-2\,x^{4}+x^{3}-x}{x^{12}-2\,x^{6}+1}$$

Sequence: A262879
Score: 12.3863
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{6}-2\,x^{3}+x-1}{x^{12}-2\,x^{6}+1}$$

Sequence: A262883
Score: 16.6041
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x-1}{x^{6}-2\,x^{3}+1}$$

Sequence: A262884
Score: 10.4721
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{7}+x^{6}+2\,x^{4}+x^{3}+1}{-x^{12}+2\,x^{6}-1}$$

Sequence: A262910
Score: 3.46397
Type of gen. func.: ogf

$$-4 f(x)^3 x^3 + 4 x^2 f(x)^3 + 4 f(x)^2 x^3 - 36 x f(x)^3 - 4 f(x)^2 x^2 - f(x) x^3$$
$$+ 5 f(x)^3 + 36 f(x)^2 x + 3 f(x) x^2 - 5 f(x)^2 - 10 f(x) x - x^2$$

Sequence: A262918
Score: 3.64632
Type of gen. func.: ogf

$$-\frac{910 x^7 + 273 x^6 - 1510 x^5 + 139 x^4 + 402 x^3 - 65 x^2 - 26 x + 5}{(x - 1) (2 x - 1) (5 x - 1) (x + 1) (13 x^2 - 1) (7 x^2 - 1)}$$

Sequence: A262922
Score: 8.36544
Type of gen. func.: ogf

$$-\frac{x^6 + x^5 + x^3 - 6 x^2 - 4 x - 1}{(x + 1) (x^2 + 1)^2 (x - 1)^2}$$

Sequence: A262923
Score: 12.5688
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^4 + 2 x^3 + 2 x + 1}{-x^6 + 2 x^3 - 1}$$

Sequence: A262925
Score: 6.62339
Type of gen. func.: ogf

$$x (16 x^4 + 241 x^3 + 395 x^2 + 91 x + 1)$$

$$\frac{}{(x - 1)^{6}}$$

Sequence: A262927
Score: 6.24336
Type of gen. func.: ogf

$$- \frac{x (x^{8} + 2 x^{7} - x^{6} + 3 x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{3}}$$

Sequence: A262928
Score: 14.8261
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^{4} + x^{3} - x}{-x^{6} + 1}$$

Sequence: A262929
Score: 6.82352
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^{6} + x^{5} + x^{3} + 2 x^{2}}{-x^{10} - x^{6} + x^{4} + 1}$$

Sequence: A262933
Score: 7.95024
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{4} - 2 x^{3} + 2 x - 1}{x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1}$$

Sequence: A262938
Score: 5.67777
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^{10} + x^{9} + 2 x^{8} + x^{7} + 2 x^{6} - x^{5} + 2 x^{4} + x^{3} + 2 x^{2} + x + 2}{-x^{12} + 1}$$

Sequence: A262946
Score: 15.3703
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^{4} - 2 x}{x^{6} - 2 x^{3} + 1}$$

Sequence: A262947
Score: 15.2082
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^{3} + 1}{-x^{6} + 2 x^{3} - 1}$$

Sequence: A262948
Score: 9.24921
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{10} - x^{9} + 4 x^{7} + 5 x^{4} - 2 x^{3} + 2 x}{-x^{12} + 2 x^{6} - 1}$$

Sequence: A262949
Score: 9.81318
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^{9} - 2 x^{7} + 5 x^{6} + 4 x^{3} - x + 1}{-x^{12} + 2 x^{6} - 1}$$

Sequence: A262950
Score: 13.1020
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{18}+x^{12}-x^{4}-1}{-x^{6}+1}$$

Sequence: A262952
Score: 8.91210
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2\,x^{6}-2\,x^{5}+3\,x^{4}-x^{3}+2\,x^{2}+1}{x^{8}+x^{6}-x^{2}-1}$$

Sequence: A262953
Score: 9.31710
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{6}+2\,x^{4}-x^{3}+3\,x^{2}-2\,x+2}{x^{8}+x^{6}-x^{2}-1}$$

Sequence: A262967
Score: 7.88204
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2\,x^{5}+2\,x^{4}-3\,x^{3}+2\,x^{2}-2\,x}{x^{8}+x^{6}-x^{2}-1}$$

Sequence: A262977
Score: 5.42052
Type of gen. func.: ogf

$$\{(-256\,n^{3}-384\,n^{2}-176\,n-24)\,a(n)+(27\,n^{3}+54\,n^{2}+33\,n+6)\,a(n+1),$$

$$a(0)=1,\ a(1)=3\}$$

Sequence: A262984
Score: 12.0467
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^6 - x^3 - 2}{-x^8 + x^6 - x^2 + 1}$$

Sequence: A262997
Score: 9.25766
Type of gen. func.: ogf

$$-\frac{x(x+1)(3x^2 + 4x + 5)}{(x^2 + x + 1)(x - 1)^3}$$

Sequence: A263002
Score: 14.1401
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^3 + 2x^2 + 2x + 2}{x^5 - 1}$$

Sequence: A263013
Score: 11.7086
Type of gen. func.: ogf

$$-x^2 + x - 1 + f(x)$$

Sequence: A263013
Score: 12.3856
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^2 + x - 1$$

Sequence: A263013
Score: 6.60968
Type of gen. func.: ogf

$$\{a(n + 3), a(0) = 1, a(1) = -1, a(2) = 1\}$$

Sequence: A263021
Score: 8.82980
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4 x^{4} - 2 x^{3} - x^{2} - 3 x - 2}{x^{5} + x^{4} + x^{3} + x^{2} + x + 1}$$

Sequence: A263041
Score: 10.6840
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{3} - 2 x^{2} + 4 x - 3}{x^{4} - x^{3} + x - 1}$$

Sequence: A263042
Score: 6.79760
Type of gen. func.: ogf

$$-\frac{x (15 x^{9} - 2 x^{8} - 2 x^{7} - 2 x^{6} - 2 x^{5} - 2 x^{4} - 2 x^{3} - 2 x^{2} - 2 x - 2)}{(x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A263053
Score: 11.2503
Type of gen. func.: lgdogf

$$-\frac{-12 x^{2} + 8 x + 1}{-4 x^{3} + 4 x^{2} + x - 1}$$

Sequence: A263053
Score: 17.8359
Type of gen. func.: ogf

$$\frac{2}{(2x-1)(2x+1)(x-1)}$$

Sequence: A263053
Score: 6.47142
Type of gen. func.: ogf

$$\{a(n+3) - a(n+2) - 4\,a(n+1) + 4\,a(n),\ a(0) = 2,\ a(1) = 2,\ a(2) = 10\}$$

Sequence: A263053
Score: 7.38657
Type of gen. func.: ogf

$$(3\,f(x) + 4)\,(4\,f(x)\,x^3 - 4\,f(x)\,x^2 - f(x)\,x + f(x) - 2)$$

Sequence: A263054
Score: 4.29687
Type of gen. func.: ogf

$$-\frac{140x^6 - 28x^5 - 193x^4 + 91x^3 + 47x^2 - 23x - 2}{(x-1)(2x+1)(2x-1)(5x-1)(x+1)(7x^2-1)}$$

Sequence: A263055
Score: 3.47297
Type of gen. func.: ogf

$$-2\,(2400x^5 - 400x^4 + 22x^3 - 123x^2 + 16x + 5)/((x-1)(5x+1)(4x-1)(2x+1)(2x-1)(4x+1)(5x-1)(10x-1))$$

Sequence: A263081
Score: 6.38288
Type of gen. func.: ogf

$$124340 \, (1227983 x^{37} + 1227983 x^{36} - 6217 x^{6} - 6217 x^{5} - 6217 x^{4} - 6217 x^{3} - 6217 x^{2} - 6217 x - 6217) \Big/ (1227983 x^{36} + 6217 x^{7} - 6217)$$

Sequence: A263119
Score: 8.65268
Type of gen. func.: ogf

$$- \frac{14 x^{4} - x^{3} - x^{2} - x - 14}{(x - 1) (2 x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A263134
Score: 3.57040
Type of gen. func.: ogf

$$\{(-27 n^{2} - 162 n - 240) a(n + 1) + (31 n^{2} + 188 n + 282) a(n + 2) + (-4 n^{2} - 26 n - 42) a(n + 3), a(0) = 1, a(1) = 5, a(2) = 26\}$$

Sequence: A263136
Score: 21.7996
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^{2}}{x^{8} - 2 x^{4} + 1}$$

Sequence: A263137
Score: 22.4245
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{1}{-x^{8} + 2 x^{4} - 1}$$

Sequence: A263138
Score: 10.3140
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{10}+2x^{6}-x^{5}+x^{2}}{-x^{16}+2x^{8}-1}$$

Sequence: A263139
Score: 11.9728
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{8}-2x^{4}+x-1}{x^{16}-2x^{8}+1}$$

Sequence: A263140
Score: 12.6856
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{4}+2x^{2}-x+1}{-x^{8}+2x^{4}-1}$$

Sequence: A263141
Score: 20.7277
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^{3}}{x^{10}-2x^{5}+1}$$

Sequence: A263142
Score: 20.7157
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^{2}}{x^{10}-2x^{5}+1}$$

Sequence: A263143
Score: 21.5280
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x}{x^{10} - 2 x^{5} + 1}$$

Sequence: A263144
Score: 21.7048
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{1}{-x^{10} + 2 x^{5} - 1}$$

Sequence: A263145
Score: 9.50322
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{13} - 2 x^{8} + x^{7} - x^{3}}{x^{20} - 2 x^{10} + 1}$$

Sequence: A263146
Score: 9.74959
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{12} + 2 x^{7} - x^{5} + x^{2}}{-x^{20} + 2 x^{10} - 1}$$

Sequence: A263147
Score: 10.3365
Type of gen. func.: ogf_with_Euler_transform]

```
        11      6    3
       x   + 2 x  - x  + x
     - -------------------
          20      10
```

$$-x + 2 x - 1$$

Sequence: A263148
Score: 11.1112
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{10} + 2 x^{5} - x + 1}{-x^{20} + 2 x^{10} - 1}$$

Sequence: A263149
Score: 11.0418
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{6} - x^{5} + 2 x^{4} + x^{2}}{-x^{8} + 2 x^{4} - 1}$$

Sequence: A263150
Score: 21.4632
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^{2}}{x^{4} - 2 x^{2} + 1}$$

Sequence: A263173
Score: 9.25140
Type of gen. func.: lgdogf

$$-\frac{6 x^{3} - 9 x^{2} - 15 x - 3}{x^{4} - 2 x^{3} - 5 x^{2} - 2 x + 1}$$

Sequence: A263199
Score: 13.7911
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^4 - 3x^2}{x^4 - 2x^2 + 1}$$

Sequence: A263200
Score: 10.8895
Type of gen. func.: lgdogf

$$-\frac{-2x^2 + 14x - 26}{-2x^3 + 15x^2 - 30x + 7}$$

Sequence: A263200
Score: 16.0975
Type of gen. func.: ogf

$$-\frac{4(2x - 7)}{x^2 - 4x + 1}$$

Sequence: A263200
Score: 8.04877
Type of gen. func.: ogf

$$-(45 f(x) + 92)(f(x) x^2 - 4 f(x) x + f(x) + 8x - 28)$$

Sequence: A263200
Score: 8.71160
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + a(n), a(0) = 28, a(1) = 104\}$$

Sequence: A263226
Score: 14.1369
Type of gen. func.: ogf

$$-\frac{2x(1 + 14x)}{(x - 1)^3}$$

Sequence: A263226
Score: 15.7681
Type of gen. func.: lgdogf

$$-\frac{-28 x - 17}{-14 x^{2} + 13 x + 1}$$

Sequence: A263226
Score: 6.77638
Type of gen. func.: ogf

$$-(83025 f(x) - 813616) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 28 x^{2} - f(x) + 2 x)$$

Sequence: A263226
Score: 7.32091
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 2, a(2) = 34}

Sequence: A263227
Score: 13.7843
Type of gen. func.: ogf

$$-\frac{x (78 x - 11)}{(x - 1)^{3}}$$

Sequence: A263227
Score: 15.0606
Type of gen. func.: lgdogf

$$-\frac{-156 x - 45}{-78 x^{2} + 89 x - 11}$$

Sequence: A263227

```
Score: 6.35369
Type of gen. func.: ogf


-(24424649 f(x) - 579850068)

           3           2                  2
    (f(x) x  - 3 f(x) x  + 3 f(x) x + 78 x  - f(x) - 11 x)



------------------------------------------------------------------------------

Sequence:  A263227
Score: 7.19710
Type of gen. func.: ogf


 {-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 0, a(1) = -11, a(2) = 45}



------------------------------------------------------------------------------

Sequence:  A263228
Score: 13.8939
Type of gen. func.: ogf


                                  2 x (29 x + 3)
                                - --------------
                                            3
                                     (x - 1)



------------------------------------------------------------------------------

Sequence:  A263228
Score: 15.4970
Type of gen. func.: lgdogf


                                   -58 x - 38
                              - -----------------
                                     2
                                -29 x  + 26 x + 3



------------------------------------------------------------------------------

Sequence:  A263228
Score: 6.65988
Type of gen. func.: ogf


                                 3            2                  2
(1783296 f(x) - 37025555) (f(x) x  - 3 f(x) x  + 3 f(x) x + 58 x  - f(x) + 6 x)



------------------------------------------------------------------------------

Sequence:  A263228
Score: 7.19504
Type of gen. func.: ogf


   {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 6, a(2) = 76}
```

Sequence: A263229
Score: 14.4210
Type of gen. func.: ogf

$$-\frac{4\,x\,(47\,x-5)}{(x-1)^3}$$

Sequence: A263229
Score: 16.6397
Type of gen. func.: lgdogf

$$-\frac{-94\,x-32}{-47\,x^2+52\,x-5}$$

Sequence: A263229
Score: 6.75986
Type of gen. func.: ogf

$$-(1996407\,f(x)-116787577)$$

$$(f(x)\,x^3-3\,f(x)\,x^2+3\,f(x)\,x+188\,x^2-f(x)-20\,x)$$

Sequence: A263229
Score: 7.59002
Type of gen. func.: ogf

$\{-a(n+3)+3\,a(n+2)-3\,a(n+1)+a(n),\ a(0)=0,\ a(1)=-20,\ a(2)=128\}$

Sequence: A263231
Score: 12.9335
Type of gen. func.: ogf

$$-\frac{x\,(32\,x-7)}{(x-1)^3}$$

Sequence: A263231
Score: 14.4258
Type of gen. func.: lgdogf

$$-\frac{-64 x - 11}{-32 x^2 + 39 x - 7}$$

Sequence: A263231
Score: 6.09871
Type of gen. func.: ogf

$$-(413125 f(x) - 3812859) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 32 x^2 - f(x) - 7 x)$$

Sequence: A263231
Score: 6.69769
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 0, a(1) = -7, a(2) = 11\}$$

Sequence: A263244
Score: 4.19144
Type of gen. func.: ogf

$$(40243834422968 f(x) + 571129295281) (10000 f(x) x^3 - 10000 f(x) x^2 - 1100 x^3 - f(x) x + 90 x^2 + f(x) - 100 x - 1)$$

Sequence: A263244
Score: 4.32932
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 3) + 10000 a(n + 2) - 10000 a(n + 1), a(0) = 1, a(1) = 101, a(2) = 10011, a(3) = 1011111\}$$

Sequence: A263244
Score: 7.92839
Type of gen. func.: ogf

$$\frac{1100 x^3 - 90 x^2 + 100 x + 1}{(100 x + 1) (100 x - 1) (x - 1)}$$

Sequence: A263245
Score: 10.0590
Type of gen. func.: ogf

$$\frac{12 x^3 - 2 x^2 + 4 x + 1}{(4 x + 1) (4 x - 1) (x - 1)}$$

Sequence: A263245
Score: 5.32535
Type of gen. func.: ogf

$\{-a(n + 4) + a(n + 3) + 16 a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 5,$

$a(2) = 19, a(3) = 95\}$

Sequence: A263245
Score: 5.65818
Type of gen. func.: ogf

$(2617 + 5040 f(x))$

$(16 f(x) x^3 - 16 f(x) x^2 - 12 x^3 - f(x) x + 2 x^2 + f(x) - 4 x - 1)$

Sequence: A263313
Score: 10.5390
Type of gen. func.: ogf

$$\frac{2 x^4 + x^3 + x^2 - 3 x + 3}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A263316
Score: 6.80736
Type of gen. func.: ogf

2 3 2 2 2 2

$$-f(x)\ x\ - 2 f(x)\ x\ - f(x)\ x + 2 f(x) x\ + f(x) x + f(x) - 1$$

Sequence: A263318
Score: 4.11645
Type of gen. func.: ogf

$$-\frac{x (x^4 - x^3 + 3 x^2 - x + 1)}{(x^2 + x + 1)^3 (x - 1)^9}$$

Sequence: A263334
Score: 5.30087
Type of gen. func.: ogf

$$(1010 f(x) - 25383)$$

$$(3 f(x) x^4 - f(x) x^3 + 3 x^3 - 3 f(x) x + 2 x^2 + f(x) + 2 x - 3)$$

Sequence: A263334
Score: 9.67986
Type of gen. func.: ogf

$$-\frac{3 x^3 + 2 x^2 + 2 x - 3}{(3 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A263346
Score: 10.8822
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^4 - 2 x^3 - 2 x^2 - 2 x - 1}{x^6 - 2 x^3 + 1}$$

Sequence: A263352
Score: 19.6457
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x}{-x^{4}+2\,x^{2}-1}$$

Sequence: A263358
Score: 22.0589
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{2}}{-x^{2}+2\,x-1}$$

Sequence: A263359
Score: 21.6054
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{3}}{-x^{2}+2\,x-1}$$

Sequence: A263360
Score: 21.4360
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{4}}{-x^{2}+2\,x-1}$$

Sequence: A263361
Score: 21.6680
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{5}}{-x^{2}+2\,x-1}$$

Sequence: A263362
Score: 21.6782

Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^6}{-x^2+2x-1}$$

Sequence: A263363
Score: 21.0377
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^7}{-x^2+2x-1}$$

Sequence: A263364
Score: 21.4542
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^8}{-x^2+2x-1}$$

Sequence: A263366
Score: 6.98802
Type of gen. func.: ogf

$$-\frac{2x^5-x^4+x^3-2x^2+2x-1}{(2x-1)(x-1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A263375
Score: 4.47989
Type of gen. func.: ogf

$$-\frac{27x^8+18x^7-5x^6-8x^5-x^4+4x^3-7x^2-2x+2}{(3x-1)(3x^2-1)(3x^6-1)}$$

```
------------------------------------------------------------------------------

Sequence:  A263395
Score: 19.0147
Type of gen. func.: ogf_with_Euler_transform]


                                         6
                                        x
                                - --------------
                                    4      2
                                  -x  + 2 x  - 1


------------------------------------------------------------------------------

Sequence:  A263396
Score: 18.7496
Type of gen. func.: ogf_with_Euler_transform]


                                         8
                                        x
                                - --------------
                                    4      2
                                  -x  + 2 x  - 1


------------------------------------------------------------------------------

Sequence:  A263397
Score: 17.7563
Type of gen. func.: ogf_with_Euler_transform]


                                        10
                                       x
                                - --------------
                                    4      2
                                  -x  + 2 x  - 1


------------------------------------------------------------------------------

Sequence:  A263398
Score: 8.08974
Type of gen. func.: ogf_with_Euler_transform]


                           7      6      5      3
                       -5 x  - 2 x  - 3 x  + 4 x  - 8 x - 2
                     - ------------------------------------
                                  8    6    2
                                 x  - x  + x  - 1


------------------------------------------------------------------------------

Sequence:  A263405
Score: 21.5094
Type of gen. func.: ogf_with_Euler_transform]


                                       3
                                      x
                                 -------------
                                  6      3
```

$$x - 2 x + 1$$

Sequence: A263406
Score: 21.2463
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^{4}}{x^{6} - 2 x^{3} + 1}$$

Sequence: A263408
Score: 2.50499
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^{2}$$

Sequence: A263414
Score: 18.5936
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{6}}{-x^{6} + 2 x^{3} - 1}$$

Sequence: A263415
Score: 18.6320
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{7}}{-x^{6} + 2 x^{3} - 1}$$

Sequence: A263418
Score: 10.4352
Type of gen. func.: ogf

$$-\frac{x^{3} + 5 x^{2} + 3 x + 1}{}$$

$$(x^{2} + x - 1) (x - 1)^{2}$$

Sequence: A263418
Score: 4.31994
Type of gen. func.: ogf

$$\{(5 n + 17) a(n + 1) + 5 a(n + 2) + (-10 n - 29) a(n + 3) + (5 n + 12) a(n + 4)$$

$$, a(0) = 1, a(1) = 6, a(2) = 21, a(3) = 51\}$$

Sequence: A263418
Score: 5.73935
Type of gen. func.: ogf

$$(235 f(x) + 17)$$

$$(f(x) x^{4} - f(x) x^{3} - 2 f(x) x^{2} + x^{3} + 3 f(x) x + 5 x^{2} - f(x) + 3 x + 1)$$

Sequence: A263426
Score: 10.5390
Type of gen. func.: ogf

$$\frac{x^{3} + 2 x^{2} - 3 x + 2}{(x - 1)^{2} (x^{2} + 1)}$$

Sequence: A263426
Score: 5.88048
Type of gen. func.: ogf

$$(8 f(x) + 29)$$

$$(f(x) x^{4} - 2 f(x) x^{3} + 2 f(x) x^{2} - x^{3} - 2 f(x) x - 2 x^{2} + f(x) + 3 x - 2)$$

Sequence: A263434
Score: 5.36620
Type of gen. func.: ogf

$$- \frac{2 x^{12} + x^{11} - 25 x^{8} - 7 x^{7} + 12 x^{4} + 2 x^{3} - 1}{}$$

$$(2 x - 1) (x^{6} - 4 x^{4} + x^{2} + 1) (x^{6} + 4 x^{4} + x^{2} - 1)$$

Sequence: A263444
Score: 5.03298
Type of gen. func.: ogf_with_Euler_transform]

$$- (-3 x^{11} + 2 x^{10} - 2 x^{9} + 2 x^{8} - 2 x^{7} + 2 x^{6} - 5 x^{5} + 2 x^{4} - 2 x^{3} + 2 x^{2} - 2 x + 2) / (x^{12} - 1)$$

Sequence: A263449
Score: 10.6482
Type of gen. func.: ogf

$$\frac{2 x^{3} - 3 x^{2} + 2 x + 1}{(x - 1)^{2} (x^{2} + 1)}$$

Sequence: A263449
Score: 5.73367
Type of gen. func.: ogf

$$-(27 f(x) + 73)$$

$$(f(x) x^{4} - 2 f(x) x^{3} + 2 f(x) x^{2} - 2 x^{3} - 2 f(x) x + 3 x^{2} + f(x) - 2 x - 1)$$

Sequence: A263452
Score: 6.95567
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-3 x^{13} - 2 x^{12} - x^{11} - 2 x - 1}{x^{14} + x^{13} + x^{12} + x^{2} + x + 1}$$

Sequence: A263459
Score: 8.10389
Type of gen. func.: ogf

$$-\frac{3 x^5 + 2 x^4 + x^3 + x^2 + 3 x - 2}{(3 x - 1) (x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A263473
Score: 4.27889
Type of gen. func.: ogf

$$-\frac{235 x^7 - 205 x^6 - 161 x^5 - 57 x^4 + 33 x^3 - 15 x^2 + 3 x - 1}{(x - 1)^{10}}$$

Sequence: A263479
Score: 4.79446
Type of gen. func.: ogf

$$\frac{235 x^7 - 205 x^6 - 161 x^5 - 57 x^4 + 33 x^3 - 15 x^2 + 3 x - 1}{(x - 1)^9}$$

Sequence: A263501
Score: 9.39071
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3 x^3 + 5 x^2 + 6 x + 2}{-x^4 - x^3 + x + 1}$$

Sequence: A263502
Score: 5.91037
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3 x^7 + 2 x^6 - 9 x^5 + 4 x^4 - 10 x^3 + 4 x^2 - 6 x + 2}{x^8 + x^6 - x^2 - 1}$$

Sequence: A263511
Score: 13.3393
Type of gen. func.: ogf

$$-\frac{2x^3+x+1}{(x+1)(x-1)^3}$$

Sequence: A263511
Score: 7.01466
Type of gen. func.: ogf

$$(736 f(x) + 1319) (f(x) x^4 - 2 f(x) x^3 + 2 x^3 + 2 f(x) x - f(x) + x + 1)$$

Sequence: A263511
Score: 9.24659
Type of gen. func.: lgdogf

$$-\frac{-2x^4-4x^3-9x^2-6x-3}{-2x^5+x^3-x^2+x+1}$$

Sequence: A263520
Score: 3.74467
Type of gen. func.: ogf

$$-\frac{x^9-14x^7-6x^6+31x^5+7x^4-37x^3-3x^2+21x-8}{(x^2-4x+1)(x^2+2x-1)(x^2+x-1)(x-1)^2(x+1)^2}$$

Sequence: A263527
Score: 10.3337
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3x^5+x^3-2x^2+x}{x^6-1}$$

Sequence: A263528
Score: 12.4781
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^4 - 2x^3 + 8x^2 - 2x + 2}{x^6 - 1}$$

Sequence: A263529
Score: 4.67410
Type of gen. func.: ogf

$\{(n + 2) a(n + 1) + (-3 - n) a(n + 2) + a(n + 4) - 2 a(n + 3), a(0) = 1,$

$a(1) = 2, a(2) = 5, a(3) = 13\}$

Sequence: A263536
Score: 13.5873
Type of gen. func.: ogf

$$\frac{5x^2 + 2x + 5}{(x^2 + x + 1)(x - 1)^2}$$

Sequence: A263536
Score: 4.99292
Type of gen. func.: ogf

$\{(n + 4) a(n + 1) + a(n + 2) + a(n + 3) + (-3 - n) a(n + 4), a(0) = 5, a(1) = 7,$

$a(2) = 12, a(3) = 17\}$

Sequence: A263536
Score: 7.08398
Type of gen. func.: ogf

$$-(9 f(x) - 178) (f(x) x^4 - f(x) x^3 - f(x) x - 5 x^2 + f(x) - 2 x - 5)$$

Sequence: A263536
Score: 8.28825

Type of gen. func.: lgdogf

$$-\frac{-10 x^4 - 11 x^3 - 27 x^2 - 17 x - 7}{-5 x^5 - 2 x^4 - 5 x^3 + 5 x^2 + 2 x + 5}$$

Sequence: A263537
Score: 10.1309
Type of gen. func.: ogf

$$\frac{x^5 + 5 x^4 + 11 x^3 + 11 x^2 + x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A263551
Score: 10.1775
Type of gen. func.: ogf

$$-\frac{2 (4 x^2 + 3 x - 2)}{(4 x - 1) (2 x^2 - 1)}$$

Sequence: A263551
Score: 5.30622
Type of gen. func.: ogf

$$-(29 f(x) + 84) (8 f(x) x^3 - 2 f(x) x^2 - 4 f(x) x + 8 x^2 + f(x) + 6 x - 4)$$

Sequence: A263551
Score: 5.44585
Type of gen. func.: ogf

{a(n + 3) - 4 a(n + 2) - 2 a(n + 1) + 8 a(n), a(0) = 4, a(1) = 10, a(2) = 40}

Sequence: A263582
Score: 9.14233
Type of gen. func.: ogf

$$-\frac{4x^3-2x^2-1}{8x^5-4x^4-2x^3-4x+1}$$

Sequence: A263587
Score: 5.24001
Type of gen. func.: ogf

$$\frac{2x^8+5x^7+8x^6+7x^5+13x^4+11x^3-7x^2+2x+1}{(x^2+1)(x-1)^2(x^2+x-1)^2}$$

Sequence: A263592
Score: 5.06093
Type of gen. func.: ogf

$$-\frac{x^7+x^6-x^5-3x^4-x^3-3x^2-x-1}{x^8+x^7-4x^5-2x^4-7x^3-x^2-x+1}$$

Sequence: A263598
Score: 5.1087
Type of gen. func.: ogf

$$(4443 f(x) - 2579)$$

$$(4 f(x) x^4 + 4 f(x) x^3 + 4 x^3 + 2 f(x) x + 8 x^2 - f(x) + 4 x + 2)$$

Sequence: A263598
Score: 9.25490
Type of gen. func.: ogf

$$-\frac{2(2x^3+4x^2+2x+1)}{(2x^2+2x-1)(2x^2+1)}$$

Sequence: A263603
Score: 6.29922

Type of gen. func.: ogf

$$-\frac{2 x^7 + 3 x^6 + 4 x^5 + 7 x^4 - x^3 + x + 2}{(x^2 + 1) (x^2 + x - 1) (x - 1)^2}$$

Sequence: A263613
Score: 5.44306
Type of gen. func.: ogf

$$-\frac{x (7000000 x^4 - 6446000 x^3 + 336330 x^2 - 220 x - 1)}{(x - 1) (100 x - 1) (1000 x - 1) (10 x - 1)}$$

Sequence: A263614
Score: 9.28050
Type of gen. func.: ogf

$$\frac{x^2 (2 x + 1) (2 x^4 - 2 x^2 + 1)}{(x - 1)^4 (x + 1)^4}$$

Sequence: A263615
Score: 6.65876
Type of gen. func.: ogf

$$\frac{x^7 - 4 x^5 - 4 x^4 + 4 x^3 + 4 x^2 - 2 x - 2}{(x + 1)^4 (x - 1)^5}$$

Sequence: A263622
Score: 11.3827
Type of gen. func.: ogf

$$\frac{x (3 x^2 - 3 x + 1)}{(3 x - 1) (2 x - 1) (x - 1)^2}$$

Sequence: A263622
Score: 4.40052
Type of gen. func.: ogf

$$\{6\,a(n)\,n + (-11\,n + 6)\,a(n + 1) + (6\,n - 5)\,a(n + 2) + (-n + 1)\,a(n + 3),$$

$$a(0) = 0,\ a(1) = 1,\ a(2) = 4,\ a(3) = 14,\ a(4) = 47\}$$

Sequence: A263622
Score: 6.05461
Type of gen. func.: ogf

$$-(23\,f(x) + 11)$$

$$(6\,f(x)\,x^4 - 17\,f(x)\,x^3 + 17\,f(x)\,x^2 - 3\,x^3 - 7\,f(x)\,x + 3\,x^2 + f(x) - x)$$

Sequence: A263622
Score: 8.20866
Type of gen. func.: lgdogf

$$-\frac{36\,x^4 - 69\,x^3 + 57\,x^2 - 24\,x + 4}{18\,x^5 - 51\,x^4 + 57\,x^3 - 32\,x^2 + 9\,x - 1}$$

Sequence: A263637
Score: 7.46669
Type of gen. func.: ogf

$$\frac{(x^2 - x - 1)\,(x^6 + x^5 - 2\,x^3 - 3\,x^2 - x - 1)}{x^5 - x^3 - 2\,x^2 + 1}$$

Sequence: A263656
Score: 3.74151
Type of gen. func.: ogf

$$f(x)^2\,x^4 - 2\,f(x)^2\,x^3 + 2\,f(x)\,x^4 - f(x)^2\,x^2 - 4\,f(x)\,x^3 - 8\,x^4 - 2\,f(x)^2\,x$$

$$- 2\,f(x)\,x^2 + 4\,x^3 + f(x)^2 - 4\,f(x)\,x - 8\,x^2 + 2\,f(x)$$

Sequence: A263660
Score: 12.0180
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x^2 + 1) (x^2 - x - 1)}{2 x^2 - 1}$$

Sequence: A263660
Score: 7.89064
Type of gen. func.: lgdogf

$$- \frac{12 x^6 - 16 x^4 + 13 x^2 + 8 x + 2}{-4 x^7 + 8 x^5 + 4 x^4 + x^3 - 2 x - 1}$$

Sequence: A263661
Score: 6.28759
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x^{10} - 2 x^9 - x^8 + x^7 + 6 x^6 - 2 x^5 - 4 x^4 - 4 x^3 - x - 1)}{2 x^4 + 3 x^2 - 1}$$

Sequence: A263688
Score: 5.20358
Type of gen. func.: ogf

$$\{(-n^2 - 2 n + 1) a(n + 1) + (2 n + 3) a(n + 2) - a(n + 3), a(0) = 0, a(1) = 1, a(2) = 1\}$$

Sequence: A263689
Score: 7.30278
Type of gen. func.: ogf

$$- \frac{2 x^6 + 20 x^5 + 81 x^4 + 6 x^3 + 16 x^2 - 6 x + 1}{(x - 1)^7}$$

Sequence: A263691
Score: 5.97131
Type of gen. func.: ogf

$$\frac{x^{11} + 2 x^{10} + x^{9} + 2 x^{7} + 8 x^{5} + 5 x^{4} - 7 x^{3} - 3 x^{2} - x - 1}{x^{4} - x^{3} + x^{2} + x - 1}$$

Sequence: A263692
Score: 5.60153
Type of gen. func.: ogf

$$\frac{4 x^{11} + 4 x^{10} - 2 x^{9} + 8 x^{7} - 6 x^{6} + 20 x^{5} + 11 x^{4} - 17 x^{3} - 3 x^{2} - x - 1}{x^{4} - x^{3} + x^{2} + x - 1}$$

Sequence: A263694
Score: 8.67459
Type of gen. func.: ogf

$$\frac{3 x^{8} - x^{7} - x^{6} - x^{5} + 4 x^{4} + x^{3} + x^{2} + x + 1}{(x + 1) (x^{2} + 1) (x^{4} + 1) (x - 1)^{2}}$$

Sequence: A263710
Score: 7.35900
Type of gen. func.: ogf

$$- \frac{(x^{2} - x + 1) (x^{4} + x^{3} + 2 x^{2} + 2 x + 1)}{x^{7} - x^{6} + 2 x^{5} - x^{4} + x^{3} + x - 1}$$

Sequence: A263711
Score: 3.71666
Type of gen. func.: ogf

17 15 14 13 12 11 10 9 8 7

$$(4 x + 9 x - 6 x + 2 x - 9 x + 5 x + x + 19 x + 9 x + 21 x + 6 x^{6} + 3 x^{5} - 16 x^{4} - 7 x^{3} - 4 x^{2} - x - 1) / (x^{7} - x^{6} + 2 x^{5} - x^{4} + x^{3} + x - 1)$$

Sequence: A263766
Score: 5.96154
Type of gen. func.: ogf

$$\{(n^{2} + 4 n + 2) a(n + 1) - a(n + 2), a(0) = 1, a(1) = -1\}$$

Sequence: A263772
Score: 15.5290
Type of gen. func.: lgdogf

$$- \frac{-9 x + 11}{-x^{3} - 6 x^{2} + 16 x - 9}$$

Sequence: A263772
Score: 16.9940
Type of gen. func.: ogf

$$- \frac{x^{2} + 7 x - 9}{(x - 1)^{2}}$$

Sequence: A263772
Score: 8.66040
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 9, a(1) = 11, a(2) = 12\}$$

Sequence: A263772
Score: 9.48085
Type of gen. func.: ogf

2   2

$$(2 f(x) + 103) (f(x) x - 2 f(x) x + x + f(x) + 7 x - 9)$$

Sequence: A263790
Score: 12.0540
Type of gen. func.: ogf

$$-\frac{2 x^{3} + 3 x - 1}{x^{4} - 2 x^{3} + 2 x^{2} - 4 x + 1}$$

Sequence: A263790
Score: 6.44746
Type of gen. func.: ogf

$$(2 f(x) + 5)$$

$$(f(x) x^{4} - 2 f(x) x^{3} + 2 f(x) x^{2} + 2 x^{3} - 4 f(x) x + f(x) + 3 x - 1)$$

Sequence: A263790
Score: 7.23237
Type of gen. func.: lgdogf

$$-\frac{-2 x^{6} - 5 x^{4} - 6 x^{2} + 4 x - 1}{-2 x^{7} + 4 x^{6} - 7 x^{5} + 15 x^{4} - 10 x^{3} + 14 x^{2} - 7 x + 1}$$

Sequence: A263794
Score: 7.94011
Type of gen. func.: ogf

$$-\frac{x^{6} - 4 x^{4} + 5 x^{2} - 3}{(x + 1)^{3} (x - 1)^{4}}$$

Sequence: A263801
Score: 4.79767
Type of gen. func.: ogf

$\{(2 n + 5) a(n + 1) + (-2 n - 4) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 0,$

a(2) = 3}

Sequence: A263805
Score: 3.05171
Type of gen. func.: ogf

$$(121905508195559 f(x) - 110801085606600) (100000 f(x) x^4 - 110000 f(x) x^3 - 100000 x^4 + 9990 f(x) x^2 + 100000 x^3 + 11 f(x) x - 10000 x^2 - f(x) + 1)$$

Sequence: A263805
Score: 5.51548
Type of gen. func.: ogf

$$\frac{100000 x^4 - 100000 x^3 + 10000 x^2 - 1}{(x - 1) (100 x - 1) (100 x + 1) (10 x - 1)}$$

Sequence: A263806
Score: 4.84483
Type of gen. func.: ogf

$$(5625 f(x) + 39016) (32 f(x) x^4 - 48 f(x) x^3 - 32 x^4 + 14 f(x) x^2 + 32 x^3 + 3 f(x) x - 16 x^2 - f(x) + 1)$$

Sequence: A263806
Score: 8.57592
Type of gen. func.: ogf

$$\frac{32 x^4 - 32 x^3 + 16 x^2 - 1}{(x - 1) (4 x - 1) (2 x - 1) (4 x + 1)}$$

Sequence: A263807
Score: 10.2228
Type of gen. func.: lgdogf

4 3 2

$$-\frac{-x - 2x - 6x - 6x - 3}{-x^5 - x^2 + x + 1}$$

Sequence: A263807
Score: 13.4069
Type of gen. func.: ogf

$$-\frac{x^3 + x + 1}{(x + 1)(x - 1)^3}$$

Sequence: A263807
Score: 6.87243
Type of gen. func.: ogf

$$-(648 f(x) - 869)(f(x) x^4 - 2 f(x) x^3 + x^3 + 2 f(x) x - f(x) + x + 1)$$

Sequence: A263812
Score: 3.18334
Type of gen. func.: ogf

$$(9679626823 f(x) - 4826517496)(f(x) x^4 + 10 f(x) x^3 - 23 f(x) x^2 + 6 x^3 - 10 f(x) x + 61 x^2 + f(x) - 128 x - 82)$$

Sequence: A263812
Score: 6.13931
Type of gen. func.: ogf

$$-\frac{6x^3 + 61x^2 - 128x - 82}{x^4 + 10x^3 - 23x^2 - 10x + 1}$$

Sequence: A263823
Score: 4.15756
Type of gen. func.: ogf

$\{(n + 2) a(n + 1) + (n + 2) a(n + 2) + (-n - 5) a(n + 3) + a(n + 4), a(0) = 1,$

$a(1) = 1, a(2) = 3, a(3) = 10\}$

Sequence: A263824
Score: 9.54712
Type of gen. func.: ogf

$$\frac{4 x^4 - 3 x^3 - 2 x + 3}{(x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A263843
Score: 13.9304
Type of gen. func.: revogf

$$- \frac{-x^2 + x}{-x^3 - 3 x^2 - 3 x - 1}$$

Sequence: A263843
Score: 9.18492
Type of gen. func.: ogf

$$x f(x)^3 + 3 f(x)^2 x + f(x)^2 + 3 f(x) x - f(x) + x$$

Sequence: A263851
Score: 3.97331
Type of gen. func.: ogf

$$- \frac{4 x^9 - 27 x^8 + 82 x^7 - 152 x^6 + 192 x^5 - 168 x^4 + 99 x^3 - 39 x^2 + 9 x - 1}{(x - 1)^{10}}$$

Sequence: A263878
Score: 10.3088
Type of gen. func.: ogf

2

$$\frac{x (x + 1)}{(x - 1) (x^2 - x - 1)^2}$$

Sequence: A263878
Score: 8.17977
Type of gen. func.: lgdogf

$$- \frac{-3 x^4 + 3 x^3 - 6 x^2 + 9 x - 1}{-x^5 + 2 x^4 - x^3 + x^2 - 1}$$

Sequence: A263895
Score: 17.5250
Type of gen. func.: lgdegf]

$$- \frac{-3 - 2 x}{-2 x + 1}$$

Sequence: A263895
Score: 4.14793
Type of gen. func.: ogf

$$\{(-2 n^2 - 10 n - 12) a(n + 1) + (-2 n^2 - 11 n - 15) a(n + 2) + (n + 2) a(n + 3)$$

$$, a(0) = 0, a(1) = 1, a(2) = 6\}$$

Sequence: A263899
Score: 7.98709
Type of gen. func.: ogf

$$\frac{x^3 - 2 x^2 - 1}{(x - 1) (x + 1) (x^2 + 1) (x^5 - 2 x^3 - 2 x + 1)}$$

Sequence: A263907
Score: 11.0627
Type of gen. func.: ogf

```
                                   16
                    - ----------------------------
                      (x - 1) (25 x - 1) (7 x - 1)
```

Sequence: A263907
Score: 4.15957
Type of gen. func.: ogf

```
(66487441919 f(x) - 19109510000)

                   3              2
    (175 f(x) x  - 207 f(x) x  + 33 f(x) x - f(x) + 16)
```

Sequence: A263907
Score: 4.19311
Type of gen. func.: ogf

```
{a(n + 3) - 33 a(n + 2) + 207 a(n + 1) - 175 a(n), a(0) = 16, a(1) = 528,

    a(2) = 14112}
```

Sequence: A263907
Score: 7.02630
Type of gen. func.: lgdogf

```
                                      2
                              525 x  - 414 x + 33
                        - --------------------------
                                 3        2
                           175 x  - 207 x  + 33 x - 1
```

Sequence: A263908
Score: 4.13355
Type of gen. func.: ogf

```
                                  3           2
                          195052 x  - 57437 x  + 3178 x - 33
                    - ------------------------------------------
                      (13 x - 1) (121 x - 1) (31 x - 1) (4 x - 1)
```

Sequence: A263929
Score: 10.9844
Type of gen. func.: egf]

```
                                                 3
                           (f(x) x - f(x) + 1)
```

Sequence: A263941
Score: 10.1486
Type of gen. func.: ogf

$$-\frac{3x^3 - 3x^2 - 8x - 1}{(x+1)(x-1)^2}$$

Sequence: A263941
Score: 5.22576
Type of gen. func.: ogf

$\{a(n+4) - a(n+3) - a(n+2) + a(n+1), a(0) = 1, a(1) = 9, a(2) = 13,$

$a(3) = 18\}$

Sequence: A263941
Score: 5.64719
Type of gen. func.: ogf

$$(711 f(x) + 1018) (f(x) x^3 - f(x) x^2 + 3 x^3 - f(x) x - 3 x^2 + f(x) - 8 x - 1)$$

Sequence: A263941
Score: 8.43677
Type of gen. func.: lgdogf

$$-\frac{10x^2 + 17x + 9}{-3x^5 + 3x^4 + 11x^3 - 2x^2 - 8x - 1}$$

Sequence: A263942
Score: 14.2724
Type of gen. func.: ogf

$$\frac{2(x-3)}{(x-1)(x^2 - 4x + 1)}$$

Sequence: A263942
Score: 6.57771
Type of gen. func.: ogf

$$\{-a(n+3)+5\,a(n+2)-5\,a(n+1)+a(n),\ a(0)=6,\ a(1)=28,\ a(2)=110\}$$

Sequence: A263942
Score: 6.6354
Type of gen. func.: ogf

$$-(15905\,f(x)-1979)\,(f(x)\,x^{3}-5\,f(x)\,x^{2}+5\,f(x)\,x-f(x)-2\,x+6)$$

Sequence: A263942
Score: 8.89926
Type of gen. func.: lgdogf

$$-\frac{-2\,x^{3}+14\,x^{2}-30\,x+14}{-x^{4}+8\,x^{3}-20\,x^{2}+16\,x-3}$$

Sequence: A263943
Score: 6.41387
Type of gen. func.: ogf

$$\frac{7\,(4\,x^{4}+16\,x^{3}-381\,x^{2}-16\,x-1)}{(x-1)\,(x^{2}-16\,x+1)\,(x^{2}+16\,x+1)}$$

Sequence: A263944
Score: 11.2357
Type of gen. func.: ogf

$$\frac{7\,(x+1)\,(x-4)}{(x-1)\,(x^{2}-5\,x+1)}$$

Sequence: A263944

Score: 5.57361
Type of gen. func.: ogf

$$-(360303 f(x) - 626393)$$

$$(f(x) x^3 - 6 f(x) x^2 + 6 f(x) x - 7 x^2 - f(x) + 21 x + 28)$$

Sequence: A263944
Score: 6.04998
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 6 a(n + 1) + a(n), a(0) = 28, a(1) = 189, a(2) = 959\}$$

Sequence: A263944
Score: 7.69400
Type of gen. func.: lgdogf

$$-\frac{x^4 - 6 x^3 + 50 x - 27}{x^5 - 9 x^4 + 20 x^3 + 5 x^2 - 21 x + 4}$$

Sequence: A263945
Score: 6.07935
Type of gen. func.: ogf

$$\frac{13 (5 x^4 + 65 x^3 - 1947 x^2 - 65 x - 2)}{(x - 1) (x^2 - 36 x - 1) (x^2 + 36 x - 1)}$$

Sequence: A263946
Score: 4.57979
Type of gen. func.: ogf

$$-(22023348 f(x) + 10696801)$$

$$(f(x) x^3 - 51 f(x) x^2 + 51 f(x) x - 78 x^2 - f(x) + 1300 x + 26)$$

Sequence: A263946
Score: 5.06384
Type of gen. func.: ogf

{-a(n + 3) + 51 a(n + 2) - 51 a(n + 1) + a(n), a(0) = 26, a(1) = 2626,

a(2) = 132522}

Sequence: A263946
Score: 5.51196
Type of gen. func.: lgdogf

$$-\frac{3x^4 - 100x^3 + 2394x^2 + 108x - 101}{3x^5 - 203x^4 + 2702x^3 - 2502x^2 - x + 1}$$

Sequence: A263946
Score: 9.15959
Type of gen. func.: ogf

$$\frac{26(3x^2 - 50x - 1)}{(x - 1)(x^2 - 50x + 1)}$$

Sequence: A263947
Score: 5.29949
Type of gen. func.: ogf

$$\frac{19(32x^4 + 680x^3 - 173397x^2 - 680x - 29)}{(x - 1)(x^2 - 340x + 1)(x^2 + 340x + 1)}$$

Sequence: A263948
Score: 4.04406
Type of gen. func.: ogf

$$-(61325307932400 f(x) + 15342977768933)$$

$$(f(x) x^3 - 975 f(x) x^2 + 975 f(x) x - 305 x^2 - f(x) + 29707 x + 244)$$

Sequence: A263948
Score: 4.72323

Type of gen. func.: ogf

{-a(n + 3) + 975 a(n + 2) - 975 a(n + 1) + a(n), a(0) = 244, a(1) = 267607,

a(2) = 260678620}

Sequence: A263948
Score: 8.47593
Type of gen. func.: ogf

$$\frac{61\,(5 x^2 - 487 x - 4)}{(x - 1)\,(x^2 - 974 x + 1)}$$

Sequence: A263949
Score: 7.22392
Type of gen. func.: ogf

$$\frac{14\,(x^4 + 4 x^3 - 13 x^2 - 32 x - 2)}{(x - 1)\,(x^4 - 16 x^2 + 1)}$$

Sequence: A263960
Score: 4.98435
Type of gen. func.: ogf

$$-\frac{240 x^4 + 116 x^3 - 243 x^2 - 19 x + 20}{240 x^5 - 124 x^4 - 119 x^3 + 40 x^2 + 8 x - 1}$$

Sequence: A263997
Score: 5.7358
Type of gen. func.: ogf

$$-(f(x) + 4)\,(f(x)\,x^3 - x^4 - f(x)\,x^2 + x^3 - f(x)\,x + x^2 + f(x) - x - 1)$$

Sequence: A263997
Score: 9.75831
Type of gen. func.: ogf

$$\frac{x^4 - x^3 - x^2 + x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A263999
Score: 4.92310
Type of gen. func.: ogf

$$- \frac{(4 x + 3) (64 x^4 + 32 x^3 - 72 x^2 - 5 x + 6)}{256 x^6 + 64 x^5 - 256 x^4 - 44 x^3 + 37 x^2 + 5 x - 1}$$

Sequence: A264000
Score: 3.78748
Type of gen. func.: ogf

$$- \frac{65536 x^5 + 40960 x^4 - 31232 x^3 + 272 x^2 + 1260 x - 81}{(256 x^3 + 80 x^2 - 4 x - 1) (256 x^3 - 176 x^2 + 33 x - 1)}$$

Sequence: A264004
Score: 4.54419
Type of gen. func.: ogf

$$- \frac{2 x^7 - 7 x^6 + 4 x^5 - 20 x^4 - 12 x^3 + 25 x^2 + 2 x + 4}{(x - 1) (x + 1) (x^2 - 4 x + 1) (x^4 + 4 x^2 + 1)}$$

Sequence: A264014
Score: 3.92598
Type of gen. func.: ogf

{-a(n + 4) + 15 a(n + 3) - 25 a(n + 2), a(0) = 8, a(1) = 105, a(2) = 1573,

a(3) = 20570}

Sequence: A264014

Score: 3.92599
Type of gen. func.: ogf

$$(157553975 f(x) + 1564166598)$$

$$(25 f(x) x^2 + 400 x^3 - 15 f(x) x - 198 x^2 + f(x) + 15 x - 8)$$

Sequence: A264014
Score: 7.21688
Type of gen. func.: ogf

$$-\frac{(2 x - 1) (200 x^2 + x + 8)}{25 x^2 - 15 x + 1}$$

Sequence: A264015
Score: 3.57662
Type of gen. func.: ogf

$$-\frac{39912500 x^6 - 86739375 x^5 + 1096750 x^4 - 951400 x^3 + 43870 x^2 - 51 x + 32}{(5 x - 1) (625 x^4 - 1375 x^3 + 25 x^2 - 55 x + 1)}$$

Sequence: A264018
Score: 4.86123
Type of gen. func.: ogf

$$-(5126 f(x) - 1401) (f(x) x^4 + 4 f(x) x^3 + x^3 + 4 f(x) x + 5 x^2 - f(x) + x + 1)$$

Sequence: A264018
Score: 4.93778
Type of gen. func.: ogf

$$\{-a(n + 4) + 4 a(n + 3) + 4 a(n + 1) + a(n), a(0) = 1, a(1) = 5, a(2) = 25,$$

$$a(3) = 105\}$$

Sequence: A264018
Score: 9.08838
Type of gen. func.: ogf

$$-\frac{x^3 + 5x^2 + x + 1}{(x^2 + 1)(x^2 + 4x - 1)}$$

Sequence: A264019
Score: 4.06217
Type of gen. func.: ogf

$$-\frac{590480x^7 + 771284x^6 + 5897x^5 - 35397x^4 - 1698x^3 + 510x^2 + 15x + 1}{(16x^2 + 19x - 1)(16x^2 + 1)}$$

Sequence: A264038
Score: 11.5937
Type of gen. func.: lgdogf

$$-\frac{6x^4 - 10x^3 - 20x^2 + 8x + 3}{2x^5 - x^4 - 8x^3 + 2x^2 + 5x - 2}$$

Sequence: A264038
Score: 17.4797
Type of gen. func.: ogf

$$-\frac{x(x - 2)}{(2x - 1)(x + 1)(x^2 + x - 1)}$$

Sequence: A264038
Score: 8.29325
Type of gen. func.: ogf

$$-(18315 f(x) - 16292)$$

$$(2 f(x) x^4 + 3 f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + x^2 + f(x) - 2x)$$

Sequence: A264054

Score: 4.72170
Type of gen. func.: ogf

$$-\frac{x^7 - 2x^6 - 2x^5 - 2x^4 + 7x^3 + 4x^2 - 2x - 2}{(x^2 - 3x + 1)(x^6 - 3x^3 + 1)}$$

Sequence: A264067
Score: 4.48902
Type of gen. func.: ogf

$$\{-a(n+3) + 19\,a(n+2) + 16\,a(n+1),\ a(0) = 34,\ a(1) = 605,\ a(2) = 12100\}$$

Sequence: A264067
Score: 4.93348
Type of gen. func.: ogf

$$(26 f(x) - 279)(16 f(x) x^2 + 19 f(x) x + 61 x^2 - f(x) - 41 x + 34)$$

Sequence: A264067
Score: 5.59866
Type of gen. func.: lgdogf

$$-\frac{-1815 x^2 + 1210 x + 605}{976 x^4 + 503 x^3 - 296 x^2 + 687 x - 34}$$

Sequence: A264067
Score: 8.59105
Type of gen. func.: ogf

$$-\frac{61 x^2 - 41 x + 34}{16 x^2 + 19 x - 1}$$

Sequence: A264068
Score: 5.77113
Type of gen. func.: ogf

$$-\frac{516x^4 - 22067x^3 + 1815x^2 - 802x + 89}{(x-1)(x+1)(x^2 - 43x + 1)}$$

Sequence: A264072
Score: 4.26114
Type of gen. func.: ogf

$$-\frac{516x^6 - 5595x^5 + 238x^4 - 1448x^3 + 238x^2 - 7x + 8}{(x-1)(x^4 - 11x^3 + x^2 - 11x + 1)}$$

Sequence: A264079
Score: 7.66520
Type of gen. func.: ogf

$$\frac{(x+1)^2 (x^2 + x + 1)(x^2 - x + 1)}{(x-1)(2x^5 + x^4 + x^2 + x - 1)}$$

Sequence: A264080
Score: 12.3652
Type of gen. func.: ogf

$$\frac{x^2 + 3x + 1}{(x+1)(x^2 - 3x + 1)}$$

Sequence: A264080
Score: 6.67500
Type of gen. func.: ogf

$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 1, a(1) = 5, a(2) = 13\}$

Sequence: A264080
Score: 6.73459
Type of gen. func.: ogf

$$(8 f(x) + 15) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x - x^2 + f(x) - 3 x - 1)$$

Sequence: A264080
Score: 7.85703
Type of gen. func.: lgdogf

$$- \frac{-x^4 - 6 x^3 + x^2 + 6 x + 5}{-x^5 - x^4 + 7 x^3 + 7 x^2 - x - 1}$$

Sequence: A264085
Score: 4.84023
Type of gen. func.: ogf

$$\{-a(n + 4) + 4 a(n + 3) + 4 a(n + 1) + a(n), a(0) = 9, a(1) = 39, a(2) = 169, a(3) = 715\}$$

Sequence: A264085
Score: 4.87805
Type of gen. func.: ogf

$$(92626 f(x) - 61135) (f(x) x^4 + 4 f(x) x^3 + 3 x^3 + 4 f(x) x + 13 x^2 - f(x) + 3 x + 9)$$

Sequence: A264085
Score: 8.91986
Type of gen. func.: ogf

$$- \frac{3 x^3 + 13 x^2 + 3 x + 9}{(x^2 + 1) (x^2 + 4 x - 1)}$$

Sequence: A264086
Score: 3.36294
Type of gen. func.: ogf

4   3   3

$$(9790024435 f(x) - 129641601966) (256 f(x) x + 304 f(x) x + 3712 x + 19 f(x) x + 5249 x^2 - f(x) + 232 x + 64)$$

Sequence: A264086
Score: 3.62345
Type of gen. func.: ogf

$$\{-a(n + 4) + 19 a(n + 3) + 304 a(n + 1) + 256 a(n), a(0) = 64, a(1) = 1448, a(2) = 32761, a(3) = 645627\}$$

Sequence: A264086
Score: 6.19916
Type of gen. func.: ogf

$$- \frac{3712 x^3 + 5249 x^2 + 232 x + 64}{(16 x^2 + 19 x - 1) (16 x^2 + 1)}$$

Sequence: A264091
Score: 3.93439
Type of gen. func.: ogf

$$- \frac{x^7 + 5 x^6 - 12 x^5 - 28 x^4 + 28 x^3 + 39 x^2 - 7 x - 8}{(x^2 + x - 1) (x^2 - x - 1) (x^4 + 4 x^3 - 13 x^2 - 4 x + 1)}$$

Sequence: A264106
Score: 4.73023
Type of gen. func.: ogf

$$-(200691 f(x) - 87584) (f(x) x^4 + 4 f(x) x^3 + 2 x^3 + 4 f(x) x + 9 x^2 - f(x) + 4 x + 9)$$

Sequence: A264106
Score: 9.04913
Type of gen. func.: ogf

$$-\frac{2x^3+9x^2+4x+9}{(x^2+1)(x^2+4x-1)}$$

Sequence: A264107
Score: 3.21994
Type of gen. func.: ogf

$$-(111521983992335 f(x) - 757084509952299) (256 f(x) x^4 + 304 f(x) x^3 + 2160 x^3 + 19 f(x) x + 2601 x^2 - f(x) + 9 x + 144)$$

Sequence: A264107
Score: 6.43988
Type of gen. func.: ogf

$$-\frac{9 (240 x^3 + 289 x^2 + x + 16)}{(16 x^2 + 19 x - 1) (16 x^2 + 1)}$$

Sequence: A264120
Score: 10.2025
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 4 x^2 + 8 x + 2}{2 x^4 + x^3 - x^2 - x - 1}$$

Sequence: A264120
Score: 12.5569
Type of gen. func.: ogf

$$\frac{x (2 x^2 + x + 1)}{(x + 1) (x - 1)^2}$$

Sequence: A264120

Score: 6.23051
Type of gen. func.: ogf

$$\{-a(n+4) + a(n+3) + a(n+2) - a(n+1),\ a(0) = 0,\ a(1) = 1,\ a(2) = 2,\ a(3) = 5\}$$

Sequence: A264120
Score: 6.69014
Type of gen. func.: ogf

$$-(160 f(x) - 17) (f(x) x^3 - f(x) x^2 - 2 x^3 - f(x) x - x^2 + f(x) - x)$$

Sequence: A264122
Score: 4.49493
Type of gen. func.: ogf

$$-\frac{x^7 + 5 x^6 + 3 x^5 - 4 x^4 - 19 x^3 - 7 x^2 - x - 2}{(x^2 + 4 x - 1) (x^2 - x - 1) (x^4 + x^3 + 2 x^2 - x + 1)}$$

Sequence: A264123
Score: 4.66345
Type of gen. func.: ogf

$$\{-a(n+5) + 10 a(n+4),\ a(0) = 4,\ a(1) = 45,\ a(2) = 576,\ a(3) = 5733,\ a(4) = 53361\}$$

Sequence: A264123
Score: 4.74317
Type of gen. func.: ogf

$$(5485612720 f(x) + 19966807253) (-3969 x^4 - 27 x^3 + 10 f(x) x + 126 x^2 - f(x) + 5 x + 4)$$

Sequence: A264123
Score: 8.16104
Type of gen. func.: ogf

$$\frac{3969 x^4 + 27 x^3 - 126 x^2 - 5 x - 4}{10 x - 1}$$

Sequence: A264129
Score: 10.6467
Type of gen. func.: ogf

$$-\frac{80 (2 x - 1)}{25 x^2 - 15 x + 1}$$

Sequence: A264129
Score: 5.27066
Type of gen. func.: ogf

$$-(4935 f(x) + 62176) (25 f(x) x^2 - 15 f(x) x + f(x) + 160 x - 80)$$

Sequence: A264129
Score: 6.04928
Type of gen. func.: ogf

$$\{a(n + 2) - 15 a(n + 1) + 25 a(n), a(0) = 80, a(1) = 1040\}$$

Sequence: A264129
Score: 7.60481
Type of gen. func.: lgdogf

$$-\frac{-50 x^2 + 50 x - 13}{-50 x^3 + 55 x^2 - 17 x + 1}$$

Sequence: A264130
Score: 4.08724
Type of gen. func.: ogf

$$-\frac{16 (3125 x^4 - 7250 x^3 + 1000 x^2 - 330 x + 61)}{(5 x - 1) (625 x^4 - 1375 x^3 + 25 x^2 - 55 x + 1)}$$

Sequence: A264147
Score: 12.7596
Type of gen. func.: ogf

$$\frac{x\,(3\,x - 1)}{(x^2 + x - 1)^2}$$

Sequence: A264147
Score: 12.9589
Type of gen. func.: lgdogf

$$-\frac{9\,x^2 - x + 1}{3\,x^3 + 2\,x^2 - 4\,x + 1}$$

Sequence: A264147
Score: 4.25318
Type of gen. func.: ogf

$$\{(-3 - n)\,a(n + 4) + (7 + 4\,n)\,a(n + 3) + (-1 - 2\,n)\,a(n + 2) + (-9 - 3\,n)\,a(n + 1),\ a(0) = 0,\ a(1) = -1,\ a(2) = 1,\ a(3) = 1\}$$

Sequence: A264147
Score: 6.42922
Type of gen. func.: ogf

$$(125\,f(x) + 191)\,(f(x)\,x^4 + 2\,f(x)\,x^3 - f(x)\,x^2 - 2\,f(x)\,x - 3\,x^2 + f(x) + x)$$

Sequence: A264152
Score: 5.96303
Type of gen. func.: ogf

$$\{(-16\,n^2 - 64\,n - 60)\,a(n + 1) + (n + 3)\,a(n + 3),\ a(0) = 1,\ a(1) = 2,\ a(2) = 6\}$$

Sequence: A264158
Score: 6.24718
Type of gen. func.: ogf

$$-\frac{x^7 + x^6 - 4x^4 - 3x^3 - x^2 - 2x - 4}{x^8 - 4x^5 - 2x^3 - 2x^2 - 2x + 1}$$

Sequence: A264166
Score: 6.96998
Type of gen. func.: ogf

$$-\frac{(x + 1)(x^4 - x^3 - x^2 - 2x - 1)}{(x^2 + 1)(x^4 - x^3 - 2x^2 - x + 1)}$$

Sequence: A264167
Score: 5.23099
Type of gen. func.: ogf

$$-\frac{4x^6 + 18x^5 + 43x^4 + 53x^3 + 45x^2 + 21x + 4}{18x^5 + 35x^4 + 23x^3 + 7x^2 + x - 1}$$

Sequence: A264185
Score: 5.38787
Type of gen. func.: ogf

{a(n + 4) - 10 a(n + 3), a(0) = 8, a(1) = 81, a(2) = 720, a(3) = 7056}

Sequence: A264185
Score: 5.84159
Type of gen. func.: ogf

$$(35344 f(x) + 58573)(-144 x^3 + 10 f(x) x - 90 x^2 - f(x) + x + 8)$$

Sequence: A264185

Score: 9.73598
Type of gen. func.: ogf

$$\frac{144 x^3 + 90 x^2 - x - 8}{10 x - 1}$$

Sequence: A264200
Score: 11.9447
Type of gen. func.: ogf

$$\frac{x (2 x + 1)}{(2 x - 1) (x + 1) (4 x^2 + 2 x - 1)}$$

Sequence: A264200
Score: 5.88185
Type of gen. func.: ogf

$$-(121 f(x) + 19)$$

$$(8 f(x) x^4 + 8 f(x) x^3 - 4 f(x) x^2 - 3 f(x) x - 2 x^2 + f(x) - x)$$

Sequence: A264200
Score: 8.25961
Type of gen. func.: lgdogf

$$- \frac{-48 x^4 - 64 x^3 - 16 x^2 + 8 x + 5}{-16 x^5 - 24 x^4 + 10 x^2 + x - 1}$$

Sequence: A264201
Score: 7.72768
Type of gen. func.: ogf

$$\frac{x (9 x^2 + 3 x + 1)}{(3 x - 1) (3 x^2 + 2 x + 1) (27 x^3 + 9 x^2 + 3 x - 1)}$$

Sequence: A264202
Score: 4.85575
Type of gen. func.: ogf

$$-\frac{2x^5+7x^4-33x^3-7x^2+42x+18}{(x^2-x-1)(x^4+4x^3-13x^2-4x+1)}$$

Sequence: A264203
Score: 5.24908
Type of gen. func.: ogf

$$-\frac{4x^4-43x^3-187x^2+133x+81}{(x-1)(x^2-14x+1)(x^2+4x+1)}$$

Sequence: A264211
Score: 3.95396
Type of gen. func.: ogf

$$-\frac{2x^7+13x^6-34x^4-18x^3+31x^2+6x-17}{x^8+6x^7-3x^6-16x^5-3x^4+16x^3-3x^2-6x+1}$$

Sequence: A264218
Score: 6.11587
Type of gen. func.: ogf

$$-\frac{2x^5+5x^4-2x^3-14x^2-9x-4}{x^6+2x^5-2x^4-6x^3-2x^2-2x+1}$$

Sequence: A264236
Score: 7.55598
Type of gen. func.: ogf

$$-\frac{3x^4+15x^3+7x^2-9x+1}{(x-1)(x^2-8x+1)(x^2-3x+1)}$$

Sequence: A264237
Score: 5.95217
Type of gen. func.: ogf

$$-\frac{20 x^5 - 8 x^4 + 58 x^3 - 54 x^2 + 15 x - 1}{(x - 1) (2 x^2 - 4 x + 1) (6 x^3 - 28 x^2 + 13 x - 1)}$$

Sequence: A264238
Score: 10.1261
Type of gen. func.: ogf

$$-\frac{x^2 - 5 x - 8}{x^3 - 6 x^2 - 2 x + 1}$$

Sequence: A264238
Score: 4.98139
Type of gen. func.: ogf

$$(19070299 f(x) + 3474093)$$

$$(f(x) x^3 - 6 f(x) x^2 - 2 f(x) x + x^2 + f(x) - 5 x - 8)$$

Sequence: A264238
Score: 5.41835
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 6 a(n + 1) + a(n), a(0) = 8, a(1) = 21, a(2) = 89\}$$

Sequence: A264239
Score: 4.87441
Type of gen. func.: ogf

$$-\frac{(x + 1) (72 x^4 - 62 x^3 - 65 x^2 + 73 x - 21)}{72 x^6 - 62 x^5 - 65 x^4 + 65 x^3 - 7 x^2 - 7 x + 1}$$

Sequence: A264245
Score: 6.41943
Type of gen. func.: ogf

$$-\frac{x^5+x^4+x^3-3x^2-4x-2}{x^6+x^4-4x^3-x^2-2x+1}$$

Sequence: A264251
Score: 3.94357
Type of gen. func.: ogf

$$-\frac{(x-1)(x^6+3x^5-12x^4-18x^3+20x^2+33x+10)}{x^8+x^7-16x^6+9x^5+29x^4-9x^3-16x^2-x+1}$$

Sequence: A264266
Score: 3.96785
Type of gen. func.: ogf

$$-\frac{x^7+5x^6-12x^5-31x^4+28x^3+47x^2-8x-10}{(x^2+x-1)(x^2-x-1)(x^4+4x^3-13x^2-4x+1)}$$

Sequence: A264273
Score: 13.3694
Type of gen. func.: ogf

$$-\frac{16x^2+3x+9}{5x-1}$$

Sequence: A264273
Score: 7.06888
Type of gen. func.: ogf

$\{-a(n+3)+5a(n+2), a(0)=9, a(1)=48, a(2)=256\}$

Sequence: A264273
Score: 7.68742
Type of gen. func.: ogf

$$-(f(x) - 9) (5 f(x) x + 16 x^2 - f(x) + 3 x + 9)$$

Sequence: A264273
Score: 8.91294
Type of gen. func.: lgdogf

$$-\frac{80 x^2 - 32 x - 48}{-80 x^3 + x^2 - 42 x + 9}$$

Sequence: A264280
Score: 10.0332
Type of gen. func.: ogf

$$-\frac{4 (x^2 + 2 x + 2)}{4 x^3 + 4 x^2 + 3 x - 1}$$

Sequence: A264280
Score: 5.05807
Type of gen. func.: ogf

$$-(1157 f(x) - 1551) (4 f(x) x^3 + 4 f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) + 8 x + 8)$$

Sequence: A264280
Score: 5.32197
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 4 a(n + 1) - 4 a(n), a(0) = 8, a(1) = 32, a(2) = 132\}$$

Sequence: A264281
Score: 5.17267
Type of gen. func.: ogf

$$-\frac{3x^5+4x^4-5x^3-7x^2-10x+16}{(x-1)(3x^5+4x^4-2x^3-4x^2-6x+1)}$$

Sequence: A264286
Score: 5.47177
Type of gen. func.: ogf

$$-\frac{(x+1)(4x^5+8x^4+10x^3+10x^2+8x+1)}{8x^5+12x^4+10x^3+4x^2+x-1}$$

Sequence: A264294
Score: 4.52004
Type of gen. func.: ogf

$$-\frac{(x-1)(x^6+3x^5+2x^3+12x^2+9x+2)}{x^8+x^7-4x^6+5x^5+5x^4-5x^3-4x^2-x+1}$$

Sequence: A264300
Score: 5.08358
Type of gen. func.: ogf

$$-\frac{x^8+x^7-2x^6-5x^5-x^4+2x^3+3x^2+x+1}{x^9-2x^7-3x^6+x^5+x^4+3x^3+x-1}$$

Sequence: A264307
Score: 10.7845
Type of gen. func.: ogf

$$-\frac{2(2x^2+4x+3)}{4x^3+4x^2+2x-1}$$

Sequence: A264307
Score: 5.52821
Type of gen. func.: ogf

$$-(230 f(x) - 313) (4 f(x) x^3 + 4 f(x) x^2 + 2 f(x) x + 4 x^2 - f(x) + 8 x + 6)$$

Sequence: A264307
Score: 5.77067
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 4 a(n + 1) - 4 a(n), a(0) = 6, a(1) = 20, a(2) = 68\}$$

Sequence: A264307
Score: 6.38695
Type of gen. func.: lgdogf

$$-\frac{-8 x^4 - 32 x^3 - 48 x^2 - 28 x - 10}{-8 x^5 - 24 x^4 - 32 x^3 - 18 x^2 - 2 x + 3}$$

Sequence: A264332
Score: 5.10860
Type of gen. func.: ogf

$$\frac{171 x^6 + 144 x^5 + 72 x^4 + 4 x^3 - 3 x^2 + 2 x + 1}{(9 x^3 + x - 1) (27 x^3 + 5 x - 1)}$$

Sequence: A264337
Score: 10.4074
Type of gen. func.: ogf

$$-\frac{128 x + 181}{16 x^2 + 19 x - 1}$$

Sequence: A264337
Score: 5.10363
Type of gen. func.: ogf

$$-(73565 f(x) - 591776) (16 f(x) x^2 + 19 f(x) x - f(x) + 128 x + 181)$$

Sequence: A264337
Score: 5.96380
Type of gen. func.: ogf

$$\{-a(n + 2) + 19 a(n + 1) + 16 a(n), a(0) = 181, a(1) = 3567\}$$

Sequence: A264337
Score: 6.31879
Type of gen. func.: lgdogf

$$-\frac{-2048 x^2 - 5792 x - 3567}{-2048 x^3 - 5328 x^2 - 3311 x + 181}$$

Sequence: A264338
Score: 6.11642
Type of gen. func.: ogf

$$-\frac{13 x^3 - 550 x^2 - 143 x + 676}{(x - 1) (x + 1) (x^2 - 43 x + 1)}$$

Sequence: A264359
Score: 5.89850
Type of gen. func.: ogf

$$-\frac{x^5 - 2 x^4 + 2 x^3 + 2 x^2 - 9 x - 9}{(x^3 - 2 x^2 + 5 x - 1) (x^3 - x^2 - 2 x - 1)}$$

Sequence: A264360
Score: 5.14030
Type of gen. func.: ogf

$$2 (4 x^5 - 6 x^4 - 13 x^3 + 36 x^2 + 33 x + 9)$$

$$- \frac{}{8 x^6 - 24 x^5 + 10 x^4 + 57 x^3 + 28 x^2 + 3 x - 1}$$

Sequence: A264361
Score: 4.12507
Type of gen. func.: ogf

$$(373617 f(x) + 59620)$$

$$(8 f(x) x^3 - 22 f(x) x^2 - 11 f(x) x + 8 x^2 + f(x) - 4 x - 36)$$

Sequence: A264361
Score: 4.22820
Type of gen. func.: ogf

{-a(n + 3) + 11 a(n + 2) + 22 a(n + 1) - 8 a(n), a(0) = 36, a(1) = 400,

a(2) = 5184}

Sequence: A264361
Score: 7.92788
Type of gen. func.: ogf

$$- \frac{4 (2 x^2 - x - 9)}{(2 x + 1) (4 x^2 - 13 x + 1)}$$

Sequence: A264365
Score: 4.77616
Type of gen. func.: ogf

$$- \frac{x^8 + 3 x^7 + 2 x^6 - 3 x^5 - 6 x^4 - 6 x^3 - 6 x^2 - 2 x - 1}{(x^3 + x^2 + 1) (x^3 - x^2 - 1) (x^3 + 2 x^2 + x - 1)}$$

Sequence: A264366
Score: 5.02983
Type of gen. func.: ogf

{-a(n + 4) + 3 a(n + 3) + 6 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 6, a(2) = 36,

a(3) = 120}

Sequence: A264366
Score: 5.11031
Type of gen. func.: ogf

$(649 f(x) - 1027)$

$$(4 f(x) x^4 + 6 f(x) x^3 + 6 x^3 + 3 f(x) x + 18 x^2 - f(x) + 3 x + 1)$$

Sequence: A264366
Score: 9.12554
Type of gen. func.: ogf

$$- \frac{6 x^3 + 18 x^2 + 3 x + 1}{(2 x^2 + 3 x - 1) (2 x^2 + 1)}$$

Sequence: A264380
Score: 4.01978
Type of gen. func.: ogf

$$- \frac{x (x^8 - 2 x^7 + 8 x^6 - 13 x^5 + 17 x^4 - 19 x^3 + 8 x^2 - 4 x - 1)}{x^{10} - 2 x^9 + 4 x^8 - 5 x^7 + x^6 + 4 x^5 - 7 x^4 + 6 x^3 - 5 x^2 - 2 x + 1}$$

Sequence: A264423
Score: 9.41725
Type of gen. func.: ogf

$$- \frac{x^5 + 3 x^2 + 1}{(x^3 + x^2 + 1) (x^4 - x^3 + x^2 + 3 x - 1)}$$

Sequence: A264443
Score: 10.2388
Type of gen. func.: lgdogf

$$-\frac{-12 x^2 + 36 x - 28}{-6 x^3 + 22 x^2 - 27 x + 11}$$

Sequence: A264443
Score: 4.87564
Type of gen. func.: ogf

$$(978076 f(x) - 34213183)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 6 x^3 - 4 f(x) x + 16 x^2 + f(x) - 11 x)$$

Sequence: A264443
Score: 9.55625
Type of gen. func.: ogf

$$\frac{x (6 x^2 - 16 x + 11)}{(x - 1)^4}$$

Sequence: A264444
Score: 10.3038
Type of gen. func.: lgdogf

$$-\frac{-26 x^2 + 70 x - 48}{-13 x^3 + 45 x^2 - 52 x + 20}$$

Sequence: A264444
Score: 5.01078
Type of gen. func.: ogf

$$(20146 f(x) - 2355363)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 13 x^3 - 4 f(x) x + 32 x^2 + f(x) - 20 x)$$

Sequence: A264444
Score: 9.62596
Type of gen. func.: ogf

$$\frac{x\,(13\,x^2 - 32\,x + 20)}{(x - 1)^4}$$

Sequence: A264445
Score: 10.0169
Type of gen. func.: ogf

$$\frac{x\,(35\,x^2 - 80\,x + 46)}{(x - 1)^4}$$

Sequence: A264445
Score: 10.1504
Type of gen. func.: lgdogf

$$-\frac{-70\,x^2 + 170\,x - 104}{-35\,x^3 + 115\,x^2 - 126\,x + 46}$$

Sequence: A264445
Score: 4.9115
Type of gen. func.: ogf

$$-(1952156\,f(x) - 1243484987)$$

$$(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - 35\,x^3 - 4\,f(x)\,x + 80\,x^2 + f(x) - 46\,x)$$

Sequence: A264446
Score: 8.89709
Type of gen. func.: ogf

$$\frac{x\,(3\,x - 4)\,(7\,x^2 - 17\,x + 11)}{(x - 1)^5}$$

Sequence: A264446
Score: 8.99075
Type of gen. func.: lgdogf

$$-\frac{-42 x^3 + 174 x^2 - 246 x + 119}{-21 x^4 + 100 x^3 - 180 x^2 + 145 x - 44}$$

Sequence: A264447
Score: 9.01867
Type of gen. func.: ogf

$$\frac{x (65 x^3 - 230 x^2 + 274 x - 110)}{(x - 1)^5}$$

Sequence: A264447
Score: 9.11165
Type of gen. func.: lgdogf

$$-\frac{-130 x^3 + 495 x^2 - 636 x + 276}{-65 x^4 + 295 x^3 - 504 x^2 + 384 x - 110}$$

Sequence: A264448
Score: 4.22028
Type of gen. func.: ogf

$$\{(-133 n^2 - 9401 n - 18270) a(n + 1) + (156 n^2 + 16068 n + 32292) a(n + 2)$$

$$+ (-23 n^2 - 7107 n - 14122) a(n + 3), a(0) = 0, a(1) = 391, a(2) = 910\}$$

Sequence: A264448
Score: 8.35861
Type of gen. func.: lgdogf

$$-\frac{-560 x^3 + 1965 x^2 - 2310 x + 910}{-280 x^4 + 1215 x^3 - 1980 x^2 + 1436 x - 391}$$

Sequence: A264448
Score: 8.60937
Type of gen. func.: ogf

$$\frac{x (280 x^3 - 935 x^2 + 1045 x - 391)}{(x - 1)^5}$$

Sequence: A264449
Score: 7.01896
Type of gen. func.: ogf

$$\frac{x (351 x^4 - 1612 x^3 + 2796 x^2 - 2172 x + 638)}{(x - 1)^6}$$

Sequence: A264450
Score: 6.60493
Type of gen. func.: ogf

$$\frac{x (2408 x^4 - 10542 x^3 + 17358 x^2 - 12742 x + 3519)}{(x - 1)^6}$$

Sequence: A264472
Score: 5.20033
Type of gen. func.: ogf

$$\frac{4 x (9 x^5 - 36 x^4 - 30 x^3 - 6 x^2 + 4 x + 2)}{(9 x^3 + 3 x^2 - 1) (27 x^3 + 15 x^2 - 1)}$$

Sequence: A264484
Score: 6.66770
Type of gen. func.: ogf

$$x^7 - 3 x^3 + 2 x^2 - x - 1$$

$$- \frac{}{(x^3 + 2 x - 1) (x^6 - 2 x^4 - 1)}$$

Sequence: A264491
Score: 8.98525
Type of gen. func.: ogf

$$- \frac{x^3 - x^2 - x - 3}{x^5 - x^4 - 2 x^3 - 3 x^2 + 1}$$

Sequence: A264492
Score: 5.21181
Type of gen. func.: ogf

$$\frac{4 (8 x^5 - 4 x^4 - 8 x^3 - x^2 - x - 3)}{(2 x + 1) (16 x^5 + 8 x^4 + 4 x^3 + 10 x^2 + 3 x - 1)}$$

Sequence: A264502
Score: 4.84310
Type of gen. func.: ogf

$$\frac{171 x^6 - 180 x^5 - 48 x^4 - 68 x^3 + 13 x^2 + 2 x + 6}{(9 x^3 + x - 1) (27 x^3 + 5 x - 1)}$$

Sequence: A264507
Score: 8.19026
Type of gen. func.: ogf

$$- \frac{x^4 - 2 x^3 + x - 1}{x^6 - 2 x^5 - x^4 + 3 x^3 - x^2 - 2 x + 1}$$

Sequence: A264514
Score: 5.67509
Type of gen. func.: ogf

$$-\frac{x^5-5x^4+6x^3-5x^2+3x-1}{x^6-6x^5+11x^4-13x^3+11x^2-6x+1}$$

Sequence: A264535
Score: 7.41297
Type of gen. func.: ogf

$$-\frac{x\,(x^7+2x^6-x^2-2x-4)}{(x^4+x^3-x^2-x-1)\,(x^6+x^5+2x^3+x-1)}$$

Sequence: A264536
Score: 8.40439
Type of gen. func.: ogf

$$-\frac{12x^4+4x^3+9x^2+3x+1}{(4x^2+2x+1)\,(4x^3-2x^2+3x-1)}$$

Sequence: A264537
Score: 3.49582
Type of gen. func.: ogf

$$-x\,(768x^9-256x^8+256x^7-104x^6-8x^5+64x^4-16x^3+46x^2-17x+19)\;/\;(256x^{10}+288x^7-24x^6+120x^5+18x^3+3x-1)$$

Sequence: A264544
Score: 14.0864
Type of gen. func.: ogf

$$-\frac{x^2+1}{x^4+2x-1}$$

Sequence: A264544
Score: 7.18992
Type of gen. func.: lgdogf

$$-\frac{-2x^5-4x^3+2x^2-2x-2}{-x^6-x^4-2x^3+x^2-2x+1}$$

Sequence: A264544
Score: 7.42184
Type of gen. func.: ogf

$$-(6f(x)+5)(f(x)x^4+2f(x)x+x^2-f(x)+1)$$

Sequence: A264551
Score: 12.2286
Type of gen. func.: ogf

$$-\frac{4x^3+2x^2+1}{8x^4+2x-1}$$

Sequence: A264551
Score: 6.90129
Type of gen. func.: ogf

$$-(3f(x)-2)(8f(x)x^4+4x^3+2f(x)x+2x^2-f(x)+1)$$

Sequence: A264565
Score: 4.72175
Type of gen. func.: ogf

$$-\frac{2(81x^6+72x^5+51x^4+12x^3-4x^2-4x-1)}{(9x^3+3x^2-1)(27x^3+15x^2-1)}$$

Sequence: A264570
Score: 13.7332
Type of gen. func.: lgdogf

$$-\frac{32 x^{3} + 2}{8 x^{4} + 2 x - 1}$$

Sequence: A264570
Score: 22.0563
Type of gen. func.: ogf

$$-\frac{1}{8 x^{4} + 2 x - 1}$$

Sequence: A264570
Score: 8.56301
Type of gen. func.: ogf

$$-(f(x) - 1) (8 f(x) x^{4} + 2 f(x) x - f(x) + 1)$$

Sequence: A264579
Score: 5.72443
Type of gen. func.: ogf

$$\frac{144 x^{6} + 36 x^{5} - 72 x^{4} + 12 x^{3} + 8 x^{2} + 8 x + 1}{243 x^{6} - 9 x^{4} - 36 x^{3} - 2 x + 1}$$

Sequence: A264584
Score: 8.36015
Type of gen. func.: ogf

$$-\frac{x (x - 1) (x^{6} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + x + 1)}{x^{10} + x^{9} - 2 x^{5} - x^{4} - x^{3} + 1}$$

Sequence: A264585
Score: 6.96750
Type of gen. func.: ogf

$$-\frac{16x^8-8x^5+4x^4-2x^3-1}{64x^{10}-32x^7+16x^6-16x^5-2x+1}$$

Sequence: A264613
Score: 7.51102
Type of gen. func.: ogf

$$-\frac{8x^5+2x^4-x^3-8x^2-5x-2}{(x-1)(4x^3-1)(x^2+x+1)}$$

Sequence: A264622
Score: 11.1880
Type of gen. func.: ogf

$$-\frac{x(x+1)^2}{x^5+2x^4+x^3-1}$$

Sequence: A264622
Score: 7.71975
Type of gen. func.: lgdogf

$$-\frac{-3x^5-9x^4-9x^3-3x^2-2}{-x^6-3x^5-3x^4-x^3+x+1}$$

Sequence: A264629
Score: 6.97310
Type of gen. func.: ogf

$$-\frac{x^8-3x^5+2x^4-x^3-1}{x^{10}-4x^7+2x^6-2x^5-2x+1}$$

Sequence: A264649
Score: 7.63109
Type of gen. func.: ogf

$$-\frac{x^8 - 3x^5 - x^3 - 1}{x^{10} - 4x^7 + 2x^6 - 2x^5 - 2x + 1}$$

Sequence: A264670
Score: 5.36178
Type of gen. func.: ogf

$$-\frac{x^8 + x^6 - 3x^5 - x^4 - 5x^2 - 1}{x^{10} + x^8 - 4x^7 + x^6 - 2x^5 - 3x^4 - x^3 - 2x + 1}$$

Sequence: A264677
Score: 4.76845
Type of gen. func.: ogf

$$-\frac{x^8 + 2x^6 - 4x^5 - x^4 - 7x^2 + x - 1}{x^9 - x^8 + 3x^7 - 7x^6 + 5x^5 - 7x^4 - 5x^3 + 3x^2 - 3x + 1}$$

Sequence: A264750
Score: 10.1234
Type of gen. func.: ogf

$$-\frac{x - 5}{(x - 1)^6}$$

Sequence: A264750
Score: 16.5281
Type of gen. func.: lgdogf

$$-\frac{-5x + 29}{2}$$

$$-x + 6 x - 5$$

Sequence: A264750
Score: 5.25894
Type of gen. func.: ogf

{(5 n + 15) a(n + 3) + (-41 - 6 n) a(n + 2) + (6 + n) a(n + 1), a(0) = 5,

a(1) = 29, a(2) = 99}

Sequence: A264754
Score: 12.2732
Type of gen. func.: ogf

$$-\frac{x^{4} - 2 x^{3} + 2 x + 1}{(x + 1)^{2} (x - 1)^{3}}$$

Sequence: A264754
Score: 9.31446
Type of gen. func.: lgdogf

$$-\frac{-x^{5} + 3 x^{4} - 2 x^{3} - 2 x^{2} - 7 x - 3}{-x^{6} + 2 x^{5} + x^{4} - 4 x^{3} - x^{2} + 2 x + 1}$$

Sequence: A264756
Score: 9.71949
Type of gen. func.: ogf

$$-\frac{2 x^{7} + 2 x^{6} - 2 x^{4} - x^{3} - 3 x^{2} - 1}{(x - 1)^{2} (x^{2} + x + 1)^{2}}$$

Sequence: A264788
Score: 10.2300
Type of gen. func.: ogf

$$2 (x^{5} + x^{4} - x^{3} + x^{2} + 1)$$

$$\overline{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A264797
Score: 9.17427
Type of gen. func.: ogf

$$-\frac{5 x^5 + x^4 + 14 x^3 + 6 x^2 + 5 x + 1}{(x^2 + 1) (x - 1)^3 (x + 1)^3}$$

Sequence: A264800
Score: 12.5422
Type of gen. func.: ogf

$$\frac{(x - 1) (x + 1) (x^3 + x^2 + 1)}{x^2 + x - 1}$$

Sequence: A264850
Score: 10.4051
Type of gen. func.: ogf

$$-\frac{x (13 x + 1)}{(x - 1)^5}$$

Sequence: A264850
Score: 15.2075
Type of gen. func.: lgdogf

$$-\frac{-52 x - 18}{-13 x^2 + 12 x + 1}$$

Sequence: A264850
Score: 5.16857
Type of gen. func.: ogf

{(-2 - n) a(n + 3) + (6 - 12 n) a(n + 2) + (52 + 13 n) a(n + 1), a(0) = 0,

a(1) = 1, a(2) = 18}

Sequence: A264851
Score: 10.4527
Type of gen. func.: ogf

$$-\frac{x\,(15\,x+1)}{(x-1)^{5}}$$

Sequence: A264851
Score: 15.2770
Type of gen. func.: lgdogf

$$-\frac{-60\,x-20}{-15\,x^{2}+14\,x+1}$$

Sequence: A264851
Score: 5.19217
Type of gen. func.: ogf

{(-2 - n) a(n + 3) + (6 - 14 n) a(n + 2) + (60 + 15 n) a(n + 1), a(0) = 0,

a(1) = 1, a(2) = 20}

Sequence: A264852
Score: 10.5952
Type of gen. func.: ogf

$$-\frac{x\,(17\,x+1)}{(x-1)^{5}}$$

Sequence: A264852
Score: 15.4853
Type of gen. func.: lgdogf

```
                 -68 x - 22
              - -----------------
                    2
```

$$-17 x + 16 x + 1$$

Sequence: A264852
Score: 5.26297
Type of gen. func.: ogf

$\{(-2 - n) a(n + 3) + (6 - 16 n) a(n + 2) + (68 + 17 n) a(n + 1), a(0) = 0,$

$a(1) = 1, a(2) = 22\}$

Sequence: A264853
Score: 10.0638
Type of gen. func.: ogf

$$-\frac{x (x^2 + 8 x + 1)}{(x - 1)^5}$$

Sequence: A264853
Score: 12.6559
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 34 x + 13}{x^3 + 7 x^2 - 7 x - 1}$$

Sequence: A264853
Score: 4.21865
Type of gen. func.: ogf

$\{(n + 3) a(n + 4) + (1 + 7 n) a(n + 3) + (-41 - 7 n) a(n + 2)$

$+ (-3 - n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 13, a(3) = 56\}$

Sequence: A264854
Score: 10.1079
Type of gen. func.: ogf

$$-\frac{x (x^2 + 9 x + 1)}{{}^{5}}$$

$$(x - 1)$$

Sequence: A264854
Score: 12.7114
Type of gen. func.: lgdogf

$$-\frac{3 x^{2} + 38 x + 14}{x^{3} + 8 x^{2} - 8 x - 1}$$

Sequence: A264854
Score: 4.23715
Type of gen. func.: ogf

$\{(n + 3) a(n + 4) + (2 + 8 n) a(n + 3) + (-46 - 8 n) a(n + 2)$

$+ (-3 - n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 14, a(3) = 61\}$

Sequence: A264888
Score: 11.9292
Type of gen. func.: lgdogf

$$-\frac{3 x^{2} + 46 x + 16}{x^{3} + 10 x^{2} - 10 x - 1}$$

Sequence: A264888
Score: 4.05592
Type of gen. func.: ogf

$\{(n + 3) a(n + 4) + (4 + 10 n) a(n + 3) + (-56 - 10 n) a(n + 2)$

$+ (-3 - n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 16, a(3) = 71\}$

Sequence: A264888
Score: 9.65694
Type of gen. func.: ogf

$$-\frac{x (x^{2} + 11 x + 1)}{^{5}}$$

$$(x - 1)$$

Sequence: A264891
Score: 3.66569
Type of gen. func.: ogf

$$\{(-17425 n^2 - 74477 n - 79254) a(n + 1) + (19250 n^2 + 17834 n + 30168) a(n + 2) + (-1825 n^2 - 5757 n - 4214) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 112\}$$

Sequence: A264891
Score: 7.94232
Type of gen. func.: ogf

$$-\frac{x (34 x^3 + 233 x^2 + 107 x + 1)}{(x - 1)^5}$$

Sequence: A264891
Score: 8.11131
Type of gen. func.: lgdogf

$$-\frac{68 x^3 + 801 x^2 + 894 x + 112}{34 x^4 + 199 x^3 - 126 x^2 - 106 x - 1}$$

Sequence: A264892
Score: 3.61560
Type of gen. func.: ogf

$$\{(-16419 n^2 - 69680 n - 73684) a(n + 1) + (17520 n^2 + 11848 n + 18440) a(n + 2) + (-1101 n^2 - 3440 n - 2476) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 176\}$$

Sequence: A264892
Score: 7.75303
Type of gen. func.: lgdogf

$$-\frac{130 x^3 + 1428 x^2 + 1506 x + 176}{65 x^4 + 346 x^3 - 240 x^2 - 170 x - 1}$$

Sequence: A264892
Score: 7.83379
Type of gen. func.: ogf

$$-\frac{x (65 x^3 + 411 x^2 + 171 x + 1)}{(x - 1)^5}$$

Sequence: A264894
Score: 7.88416
Type of gen. func.: lgdogf

$$-\frac{222 x^3 + 2316 x^2 + 2346 x + 261}{111 x^4 + 550 x^3 - 405 x^2 - 255 x - 1}$$

Sequence: A264894
Score: 7.96544
Type of gen. func.: ogf

$$-\frac{x (111 x^3 + 661 x^2 + 256 x + 1)}{(x - 1)^5}$$

Sequence: A264895
Score: 3.87166
Type of gen. func.: ogf

$$\{(-10340 n^2 - 43405 n - 45450) a(n + 1) + (10696 n^2 + 4570 n + 6084) a(n + 2)$$

$$+ (-356 n^2 - 1101 n - 778) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 370\}$$

Sequence: A264895

Score: 8.05937
Type of gen. func.: lgdogf

$$-\frac{350 x^3 + 3510 x^2 + 3450 x + 370}{175 x^4 + 820 x^3 - 630 x^2 - 364 x - 1}$$

Sequence: A264895
Score: 8.14245
Type of gen. func.: ogf

$$-\frac{x (175 x^3 + 995 x^2 + 365 x + 1)}{(x - 1)^5}$$

Sequence: A264923
Score: 25.9356
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^2}{-x^3 + 3 x^2 - 3 x + 1}$$

Sequence: A264924
Score: 19.8562
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^3}{x^4 - 4 x^3 + 6 x^2 - 4 x + 1}$$

Sequence: A264925
Score: 16.7425
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^4}{-x^5 + 5 x^4 - 10 x^3 + 10 x^2 - 5 x + 1}$$

Sequence: A264926
Score: 15.3354
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^5}{x^6 - 6 x^5 + 15 x^4 - 20 x^3 + 15 x^2 - 6 x + 1}$$

Sequence: A264928
Score: 31.6203
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{1 - 3 x}{x - 1}$$

Sequence: A264938
Score: 8.61434
Type of gen. func.: lgdogf

$$-\frac{4 x^4 + 15 x^3 + 15 x^2 + 14 x + 6}{2 x^5 + 3 x^4 + x^3 - 2 x^2 - 3 x - 1}$$

Sequence: A264938
Score: 9.58225
Type of gen. func.: ogf

$$-\frac{x (2 x + 1) (x + 1)^2}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A265021
Score: 5.91159
Type of gen. func.: ogf

$$-\frac{32 x (x^4 + 26 x^3 + 66 x^2 + 26 x + 1)}{(x - 1)^7}$$

Sequence: A265021
Score: 6.96131
Type of gen. func.: lgdogf

$$-\frac{-3x^4-108x^3-408x^2-288x-33}{-x^5-25x^4-40x^3+40x^2+25x+1}$$

Sequence: A265035
Score: 8.69520
Type of gen. func.: ogf

$$-\frac{x^8-2x^7+2x^6-2x^5-x^2-1}{(x^2-x+1)(x-1)^2}$$

Sequence: A265036
Score: 6.22588
Type of gen. func.: ogf

$$-\frac{2x^9-6x^8+8x^7-7x^6+2x^5+2x^4-5x^3+2x^2-1}{(x-1)^2(x^2-x+1)^2}$$

Sequence: A265037
Score: 3.52447
Type of gen. func.: ogf

$$\{(-24n-152)a(n+1)+(42n+242)a(n+2)+(-21n-115)a(n+3)$$

$$+(3n+16)a(n+4),\ a(0)=1,\ a(1)=30,\ a(2)=185,\ a(3)=886\}$$

Sequence: A265037
Score: 4.76708
Type of gen. func.: ogf

$$(77462523 f(x)+13832639)(8 f(x) x^4-22 f(x) x^3+21 f(x) x^2-14 x^3$$

$$- 8 f(x) x + 34 x^2 + f(x) - 22 x - 1)$$

Sequence: A265037
Score: 9.06907
Type of gen. func.: ogf

$$\frac{14 x^3 - 34 x^2 + 22 x + 1}{(2 x - 1) (4 x - 1) (x - 1)^2}$$

Sequence: A265044
Score: 5.29801
Type of gen. func.: ogf

$$- \frac{(x^2 + x + 1) (x^2 - x + 1) (x^4 - x^3 + x^2 - x + 1) (x + 1)^3}{(x - 1) (x^{10} - x^9 - x^6 + x^5 - x^4 - x + 1)}$$

Sequence: A265045
Score: 10.1219
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^7 - x^6 - x^4 + 2 x^3 - 2 x^2 - 1)}{(x - 1)^2}$$

Sequence: A265046
Score: 12.4099
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^7 - x^6 + x^5 - x^4 - x^3 - 1)}{(x - 1)^2}$$

Sequence: A265048
Score: 4.29832
Type of gen. func.: ogf

$$-\frac{(x^2-x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x+1)^3}{(x-1)(x^{12}-x^{11}-x^8-x^6-x^4-x+1)}$$

Sequence: A265049
Score: 4.93263
Type of gen. func.: ogf

$$-\frac{(x^2-x+1)(x^4-x^3+x^2-x+1)(x^2+1)(x+1)^3}{(x-1)(x^{10}-2x^9+2x^8-2x^7+x^6-x^5+x^4-2x^3+2x^2-2x+1)}$$

Sequence: A265050
Score: 7.88222
Type of gen. func.: ogf

$$-\frac{(x^2+1)(x^2-x+1)(x+1)^3}{(x-1)(x^6-x^5-x^4+x^3-x^2-x+1)}$$

Sequence: A265051
Score: 7.65391
Type of gen. func.: ogf

$$-\frac{(x^2+1)(x^2-x+1)(x+1)^3}{(x-1)(x^6-x^5-x^4-x^2-x+1)}$$

Sequence: A265052
Score: 5.13336
Type of gen. func.: ogf

$$-\frac{(x^2-x+1)(x^4-x^3+x^2-x+1)(x^2+1)(x+1)^3}{(x-1)(x^4-2x^3+x^2-2x+1)(x^6+x^3+1)}$$

Sequence: A265053
Score: 4.56056
Type of gen. func.: ogf

$$-\frac{(x^2 - x + 1)(x^4 - x^3 + x^2 - x + 1)(x^2 + 1)(x + 1)^3}{(x - 1)(x^{10} - 2x^9 + x^8 - 2x^6 + 2x^5 - 2x^4 + x^2 - 2x + 1)}$$

Sequence: A265054
Score: 6.25312
Type of gen. func.: ogf

$$-\frac{(x^4 - x^3 + x^2 - x + 1)(x^2 - x + 1)(x + 1)^3}{(x - 1)(x^2 + 1)(x^6 - 2x^5 - x^4 + 3x^3 - x^2 - 2x + 1)}$$

Sequence: A265055
Score: 7.51571
Type of gen. func.: ogf

$$\frac{(x^2 + 1)(x^2 + x + 1)(x^2 - x + 1)(x + 1)^3}{(x - 1)(x^7 + x^6 + x^5 + x^4 - 1)}$$

Sequence: A265056
Score: 13.3058
Type of gen. func.: lgdogf

$$-\frac{3x^2 - 22x - 5}{4x^4 - 13x^3 + 7x^2 + x + 1}$$

Sequence: A265056
Score: 14.2700
Type of gen. func.: ogf

$$\frac{4x^3 - 9x^2 - 2x - 1}{(x - 1)^3}$$

Sequence: A265056
Score: 7.34800
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 5, a(2) = 21, a(3) = 45\}$$

Sequence: A265056
Score: 8.07076
Type of gen. func.: ogf

$$(43 f(x) - 502) (f(x) x^3 - 3 f(x) x^2 - 4 x^3 + 3 f(x) x + 9 x^2 - f(x) + 2 x + 1)$$

Sequence: A265057
Score: 5.64017
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x + 1)^2}{x^{10} + x^9 - x^7 - x^6 - x^5 - x^4 - x^3 + x + 1}$$

Sequence: A265058
Score: 6.94086
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^2 + 1) (x^4 + 1) (x + 1)^2}{x^{10} - x^7 - x^5 - x^3 + 1}$$

Sequence: A265059
Score: 7.22647
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^6 + x^3 + 1) (x + 1)^2}{x^{10} - x^8 - x^5 - x^2 + 1}$$

Sequence: A265060
Score: 8.45760
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x + 1)^2}{x^8 - x^5 - x^4 - x^3 + 1}$$

Sequence: A265061
Score: 7.06262
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x + 1)^2}{x^8 - x^7 + x^6 - 2 x^5 + x^4 - 2 x^3 + x^2 - x + 1}$$

Sequence: A265062
Score: 6.87974
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x + 1)^2}{(x^2 + x + 1) (x^2 - x + 1) (x^6 - x^4 - x^3 - x^2 + 1)}$$

Sequence: A265063
Score: 7.91707
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^4 + 1) (x + 1)^2}{x^8 - x^7 - x^5 + x^4 - x^3 - x + 1}$$

Sequence: A265064
Score: 9.80705
Type of gen. func.: ogf

$$\frac{(x^4 + x^3 + x^2 + x + 1) (x + 1)^2}{}$$

$$x^6 - x^4 - x^3 - x^2 + 1$$

Sequence: A265065
Score: 6.73776
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)(x^2 - x + 1)(x^4 + x^3 + x^2 + x + 1)(x + 1)^2}{(x^2 + 1)(x^8 - x^6 - x^5 - x^3 - x^2 + 1)}$$

Sequence: A265066
Score: 4.98273
Type of gen. func.: ogf

$$\frac{(x^4 + x^3 + x^2 + x + 1)(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x + 1)^2}{x^{12} + x^{11} - x^9 - 2 x^8 - 3 x^7 - 3 x^6 - 3 x^5 - 2 x^4 - x^3 + x + 1}$$

Sequence: A265067
Score: 5.50365
Type of gen. func.: ogf

$$\frac{(x^2 + 1)(x^4 + x^3 + x^2 + x + 1)(x^4 + 1)(x + 1)^2}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x^6 - x^5 - x^3 - x + 1)}$$

Sequence: A265068
Score: 9.82476
Type of gen. func.: ogf

$$- \frac{(x^4 + x^3 + x^2 + x + 1)(x + 1)^2}{x^5 + x^4 + x^3 + x^2 - 1}$$

Sequence: A265069
Score: 10.4624
Type of gen. func.: ogf

$$\frac{(x+1)^2 (x^2+x+1) (x^2-x+1)}{x^6-x^5-x^3-x+1}$$

Sequence: A265070
Score: 10.9457
Type of gen. func.: ogf

$$-\frac{(x+1)^2 (x^2+x+1) (x^2-x+1)}{x^5+x^3+x-1}$$

Sequence: A265071
Score: 9.95448
Type of gen. func.: ogf

$$\frac{(x^2+x+1) (x^2+1) (x+1)^2}{x^6-x^4-x^3-x^2+1}$$

Sequence: A265072
Score: 10.1762
Type of gen. func.: ogf

$$\frac{(x^2+x+1) (x^4+x^3+x^2+x+1)}{x^6-x^5-x^3-x+1}$$

Sequence: A265073
Score: 8.73274
Type of gen. func.: ogf

$$\frac{(x+1)^2 (x^2+x+1) (x^2-x+1)}{x^6-x^5-x^4+x^3-x^2-x+1}$$

Sequence: A265074
Score: 8.09408
Type of gen. func.: ogf

$$\frac{(x^2+x+1)(x^6+x^5+x^4+x^3+x^2+x+1)}{(x^2-x+1)(x^6-x^4-2x^3-x^2+1)}$$

Sequence: A265075
Score: 9.63581
Type of gen. func.: ogf

$$\frac{(x^2+x+1)(x^2+1)(x+1)^2}{x^6-x^4-2x^3-x^2+1}$$

Sequence: A265076
Score: 10.0376
Type of gen. func.: ogf

$$\frac{(x^2+x+1)(x^4+x^3+x^2+x+1)}{(x^2+1)(x^4-x^3-x^2-x+1)}$$

Sequence: A265077
Score: 9.23908
Type of gen. func.: ogf

$$\frac{(x+1)^2(x^2+x+1)(x^2-x+1)}{x^6-x^5-x^4-x^2-x+1}$$

Sequence: A265078
Score: 29.3871
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5+x^4-x+4$$

Sequence: A265078
Score: 8.93702
Type of gen. func.: ogf

$$-\frac{(x+1)^2 (x^2+x+1)(x^2-x+1)}{(x^4+x^3+x^2+x+1)(x-1)^3}$$

Sequence: A265101
Score: 4.11358
Type of gen. func.: ogf

$$\{(576 n^3 + 3744 n^2 + 8048 n + 5720) a(n + 1)$$
$$+ (-9 n^3 - 72 n^2 - 185 n - 150) a(n + 2), a(0) = 1, a(1) = 30\}$$

Sequence: A265106
Score: 8.99664
Type of gen. func.: ogf

$$-\frac{x (x^4 - x^3 - 2 x^2 + x - 1)}{(x - 1) (x^3 + 2 x - 1)}$$

Sequence: A265107
Score: 10.0073
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 8 x^3 - 4 x^2 - 4 x - 2}{-2 x^5 - 5 x^4 - 2 x + 1}$$

Sequence: A265107
Score: 14.0454
Type of gen. func.: ogf

$$-\frac{x (x + 1) (2 x^2 - x + 1)}{x^2 + 2 x - 1}$$

Sequence: A265107
Score: 6.35386
Type of gen. func.: ogf

$$\{-a(n + 5) + 2\, a(n + 4) + a(n + 3),\ a(0) = 0,\ a(1) = 1,\ a(2) = 2,\ a(3) = 6,\ a(4) = 16\}$$

Sequence: A265107
Score: 7.77267
Type of gen. func.: ogf

$$(3236\, f(x) + 1365)\, (2\, x^{4} + f(x)\, x^{2} + x^{3} + 2\, f(x)\, x - f(x) + x)$$

Sequence: A265133
Score: 8.46697
Type of gen. func.: ogf

$$x\, (x^{11} + x^{10} + x^{9} + x^{7} + x^{6} + x^{4} + x^{3} + x + 1) \Big/ \left((x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)\, (x - 1)^{2} \right)$$

Sequence: A265165
Score: 5.35924
Type of gen. func.: ogf

$$\{(n^{2} + 3\, n + 1)\, a(n + 1) + (-2\, n - 4)\, a(n + 2) + a(n + 3),\ a(0) = 0,\ a(1) = 1,\ a(2) = 2\}$$

Sequence: A265185
Score: 11.1778
Type of gen. func.: lgdogf

$$- \frac{-4\, x^{2} + 4\, x - 2}{-4\, x^{3} + 10\, x^{2} - 6\, x + 1}$$

Sequence: A265185
Score: 16.1457
Type of gen. func.: ogf

$$-\frac{4\,(2\,x-1)}{2\,x^{2}-4\,x+1}$$

Sequence: A265185
Score: 8.07284
Type of gen. func.: ogf

$$-(7\,f(x)-12)\,(2\,f(x)\,x^{2}-4\,f(x)\,x+f(x)+8\,x-4)$$

Sequence: A265185
Score: 8.86044
Type of gen. func.: ogf

$$\{a(n+2)-4\,a(n+1)+2\,a(n),\ a(0)=4,\ a(1)=8\}$$

Sequence: A265187
Score: 7.60258
Type of gen. func.: ogf

$$\frac{x\,(x^{8}+x^{7}+2\,x^{6}+x^{5}+x^{4}+x^{3}+2\,x^{2}+x+1)}{(x^{2}+x+1)\,(x^{6}+x^{3}+1)\,(x-1)^{2}}$$

Sequence: A265188
Score: 10.9256
Type of gen. func.: ogf

$$\frac{x\,(x^{4}+4\,x^{3}+x^{2}+4\,x+1)}{(x^{4}+x^{3}+x^{2}+x+1)\,(x-1)^{2}}$$

Sequence: A265207
Score: 14.3799
Type of gen. func.: ogf

$$\frac{2 x^3 + 10 x^2 + 7 x + 1}{(x - 1) (2 x^2 - 1)}$$

Sequence: A265207
Score: 7.51187
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 3) + 2 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 8, a(2) = 20,$$

$$a(3) = 36\}$$

Sequence: A265207
Score: 8.18369
Type of gen. func.: ogf

$$(31 + 123 f(x))$$

$$(2 f(x) x^3 - 2 f(x) x^2 - 2 x^3 - f(x) x - 10 x^2 + f(x) - 7 x - 1)$$

Sequence: A265207
Score: 9.23477
Type of gen. func.: lgdogf

$$- \frac{24 x^4 + 32 x^3 - 4 x^2 - 24 x - 8}{4 x^6 + 16 x^5 - 8 x^4 - 20 x^3 + x^2 + 6 x + 1}$$

Sequence: A265225
Score: 12.0260
Type of gen. func.: ogf

$$- \frac{3 x + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A265225
Score: 12.7660
Type of gen. func.: lgdogf

$$-\frac{-12 x^2 - 8 x - 4}{-3 x^3 - x^2 + 3 x + 1}$$

Sequence: A265225
Score: 4.16980
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (-5 - 3 n) a(n + 3) + (10 + n) a(n + 2) + (15 + 3 n) a(n + 1), a(0) = 1, a(1) = 4, a(2) = 6, a(3) = 12\}$$

Sequence: A265227
Score: 10.0635
Type of gen. func.: ogf

$$\frac{x (x^2 + x + 1)^2}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A265227
Score: 28.0018
Type of gen. func.: ogf_with_Euler_transform]

$$x^4 - 2 x^2 + 3$$

Sequence: A265228
Score: 8.07634
Type of gen. func.: ogf

$$\frac{x (x^6 + 2 x^5 + 4 x^4 + 2 x^3 + 2 x^2 + 2 x + 1)}{(x^2 + x + 1) (x^2 - x + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A265257

Score: 11.9999
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^6+x^5+x^4-2x}{-x+1}$$

Sequence: A265278
Score: 10.9669
Type of gen. func.: ogf

$$\frac{x(x^3+x^2-x+1)}{(x-1)(x^2+2x-1)}$$

Sequence: A265278
Score: 5.55962
Type of gen. func.: ogf

$$\{-a(n+5)+3a(n+4)-a(n+3)-a(n+2),\ a(0)=0,\ a(1)=1,\ a(2)=2,\ a(3)=6,\ a(4)=16\}$$

Sequence: A265278
Score: 6.11134
Type of gen. func.: ogf

$$-(169 f(x)+120)(f(x)x^3-x^4+f(x)x^2-x^3-3f(x)x+x^2+f(x)-x)$$

Sequence: A265278
Score: 8.70202
Type of gen. func.: lgdogf

$$-\frac{4x^3+2x^2-2}{x^6+2x^5-3x^4-2x^3+5x^2-4x+1}$$

Sequence: A265282
Score: 6.85633
Type of gen. func.: ogf

$$\frac{x (x^7 - x^5 - x^4 + x^3 + 2 x + 1)}{(x^2 + 1) (x + 1)^3 (x - 1)^4}$$

Sequence: A265283
Score: 13.3245
Type of gen. func.: ogf

$$-\frac{x^4 - 2 x - 1}{(x + 1) (x - 1)^2}$$

Sequence: A265283
Score: 7.25708
Type of gen. func.: ogf

$$(f(x) + 45) (f(x) x^3 + x^4 - f(x) x^2 - f(x) x + f(x) - 2 x - 1)$$

Sequence: A265284
Score: 13.3435
Type of gen. func.: ogf

$$\frac{x^4 - 2 x - 1}{(x + 1) (x - 1)^3}$$

Sequence: A265284
Score: 7.13997
Type of gen. func.: ogf

$$(17 f(x) - 288) (f(x) x^4 - 2 f(x) x^3 - x^4 + 2 f(x) x - f(x) + 2 x + 1)$$

Sequence: A265284
Score: 8.47870
Type of gen. func.: lgdogf

$$-\frac{-2x^4 - 4x^3 + 6x^2 + 8x + 4}{-x^6 + x^4 + 2x^3 + x^2 - 2x - 1}$$

Sequence: A265379
Score: 4.53832
Type of gen. func.: ogf

$$(1859607181362800 f(x) - 828308601494099)$$

$$(10000 f(x) x^4 - 10001 f(x) x^2 + 100 x^3 - 1100 x^2 + f(x) - 111 x - 1)$$

Sequence: A265379
Score: 8.22570
Type of gen. func.: ogf

$$-\frac{100 x^3 - 1100 x^2 - 111 x - 1}{(x - 1)(100 x - 1)(100 x + 1)(x + 1)}$$

Sequence: A265380
Score: 11.0794
Type of gen. func.: ogf

$$\frac{x^2 + x + 1}{(x - 1)(10 x - 1)(x + 1)(x^2 + 1)}$$

Sequence: A265381
Score: 12.6104
Type of gen. func.: ogf

$$\frac{x^2 + x + 1}{(x - 1)(2 x - 1)(x + 1)(x^2 + 1)}$$

Sequence: A265382
Score: 8.42662
Type of gen. func.: lgdogf

$$-\frac{-2x^4+5x^3+11x^2+12x+4}{-x^5+2x^4+4x^3-x^2-3x-1}$$

Sequence: A265382
Score: 9.71540
Type of gen. func.: ogf

$$\frac{x^3-2x^2-3x-1}{(x+1)^2\,(x-1)^3}$$

Sequence: A265423
Score: 13.2273
Type of gen. func.: ogf

$$\frac{x^4+48x^3+102x^2+48x+1}{(x+1)(x^2+1)(x-1)^2}$$

Sequence: A265424
Score: 10.6551
Type of gen. func.: ogf

$$\frac{x\,(x^3+24x^2+51x+24)}{(x+1)(x^2+1)(x-1)^2}$$

Sequence: A265427
Score: 6.40372
Type of gen. func.: ogf

$$-\frac{1000x^5-1000x^4-1100x^3-100x^2-11x-1}{(x-1)(10x+1)(10x-1)(x+1)(100x^2+1)}$$

Sequence: A265428
Score: 11.7609
Type of gen. func.: ogf

$$-\frac{x^4 - 2x^3 - x - 1}{(x + 1)(x^2 + 1)(x - 1)^2}$$

Sequence: A265429
Score: 9.57355
Type of gen. func.: ogf

$$\frac{x^4 - 2x^3 - x - 1}{(x + 1)(x^2 + 1)(x - 1)^3}$$

Sequence: A265430
Score: 12.6141
Type of gen. func.: ogf

$$\frac{x(2x^3 + 2x + 1)}{(x + 1)(x^2 + 1)(x - 1)^2}$$

Sequence: A265431
Score: 10.0000
Type of gen. func.: ogf

$$-\frac{x(2x^3 + 2x + 1)}{(x + 1)(x^2 + 1)(x - 1)^3}$$

Sequence: A265541
Score: 5.32386
Type of gen. func.: ogf

$$x(8x^{19} - x^{17} - x^{16} - x^{15} - x^{14} - x^{13} - x^{12} - x^{11} - x^{10} + 2x^9 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) / ((x + 1)(x^4 + x^3 + x^2 + x + 1)$$

$$/\ (x^4 - x^3 + x^2 - x + 1)\ (x - 1)^2)$$

Sequence: A265542
Score: 5.32386
Type of gen. func.: ogf

$$x\ (8 x^{19} - x^{17} - x^{16} - x^{15} - x^{14} - x^{13} - x^{12} - x^{11} - x^{10} + 3 x^9 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\ /\ ((x + 1)\ (x^4 + x^3 + x^2 + x + 1)\ (x^4 - x^3 + x^2 - x + 1)\ (x - 1)^2)$$

Sequence: A265610
Score: 4.05114
Type of gen. func.: ogf

$$\{(4 n^3 + 6 n^2 + 2 n)\ a(n) + (-65 n^3 - 354 n^2 - 595 n - 306)\ a(n + 1) + (16 n^3 + 96 n^2 + 128 n)\ a(n + 2),\ a(0) = -1,\ a(1) = 0,\ a(2) = 2\}$$

Sequence: A265610
Score: 5.84825
Type of gen. func.: ogf

$$4 f(x)^2 x^3 - f(x)^2 x^2 + 4 f(x) x^3 - 5 f(x) x^2 + x^3 + 5 f(x) x - 2 x^2 - f(x) + 5 x - 1$$

Sequence: A265611
Score: 10.7168
Type of gen. func.: ogf

$$\frac{x^4 - 2 x^3 + 2 x^2 - x - 1}{(x + 1)\ (x - 1)^3}$$

Sequence: A265611
Score: 6.25149
Type of gen. func.: ogf

$$(207 f(x) - 1420)$$

$$(f(x) x^4 - 2 f(x) x^3 - x^4 + 2 x^3 + 2 f(x) x - 2 x^2 - f(x) + x + 1)$$

Sequence: A265611
Score: 8.59580
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 5 x^2 - 2 x - 3}{x^6 - 2 x^5 + x^4 + x^3 - 3 x^2 + x + 1}$$

Sequence: A265612
Score: 4.10344
Type of gen. func.: ogf

$$\{(28 n^2 + 126 n + 140) a(n + 1) + (25 n^2 + 205 n + 460) a(n + 2)$$

$$+ (-8 n^2 - 64 n - 96) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 7\}$$

Sequence: A265612
Score: 6.17184
Type of gen. func.: ogf

$$-4 f(x)^2 x^4 + f(x)^2 x^3 - 4 f(x) x^3 + 21 f(x) x^2 - 13 f(x) x - x^2 + 2 f(x) - 2 x$$

Sequence: A265613
Score: 4.19658
Type of gen. func.: ogf

$$\{(16 n^2 + 88 n + 120) a(n + 1) + (16 n^2 + 146 n + 370) a(n + 2)$$

$$+ (-5 n^2 - 45 n - 70) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 8\}$$

Sequence: A265645
Score: 8.53008
Type of gen. func.: ogf

$$\frac{x^2 (x^4 + 3 x^3 + 11 x^2 + 5 x + 4)}{(x + 1)^3 (x - 1)^4}$$

Sequence: A265645
Score: 8.60299
Type of gen. func.: lgdogf

$$- \frac{3 x^5 + 13 x^4 + 62 x^3 + 50 x^2 + 55 x + 9}{x^6 + 3 x^5 + 10 x^4 + 2 x^3 - 7 x^2 - 5 x - 4}$$

Sequence: A265667
Score: 10.7406
Type of gen. func.: ogf

$$\frac{x (2 x^4 + x^3 + 4 x^2 + 2 x + 1)}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A265672
Score: 5.55825
Type of gen. func.: ogf

$$x (x^2 + 1) (x^{10} + 3 x^9 + x^8 + 2 x^7 + 3 x^6 + 5 x^5 + 3 x^4 + 2 x^3 + 2 x^2 + 2 x + 1) / ((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A265676
Score: 8.41394
Type of gen. func.: ogf

4 3 2

$$\frac{x (5 x - 11 x - 6 x - 5 x - 1)}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A265688
Score: 11.3458
Type of gen. func.: ogf

$$\frac{11 x + 1}{(x - 1) (100 x - 1) (x + 1)}$$

Sequence: A265688
Score: 5.22267
Type of gen. func.: ogf

$$-(160034991 f(x) + 7147700)$$

$$(100 f(x) x^3 - f(x) x^2 - 100 f(x) x + f(x) - 11 x - 1)$$

Sequence: A265688
Score: 5.39390
Type of gen. func.: ogf

$$\{a(n + 3) - 100 a(n + 2) - a(n + 1) + 100 a(n), a(0) = 1, a(1) = 111,$$

$$a(2) = 11101\}$$

Sequence: A265688
Score: 6.92691
Type of gen. func.: lgdogf

$$- \frac{2200 x^3 + 289 x^2 - 2 x - 111}{1100 x^4 + 89 x^3 - 1101 x^2 - 89 x + 1}$$

Sequence: A265720
Score: 5.47910
Type of gen. func.: ogf

$$1210000 x^5 - 10000 x^4 - 1100011 x^3 + 10001 x^2 - 1$$

$$\frac{\quad}{(x - 1) (10 x + 1) (100 x - 1) (100 x + 1) (10 x - 1) (x + 1)}$$

Sequence: A265721
Score: 8.36394
Type of gen. func.: ogf

$$\frac{144 x^5 - 16 x^4 - 99 x^3 + 17 x^2 - 1}{(x - 1) (4 x - 1) (2 x + 1) (2 x - 1) (4 x + 1) (x + 1)}$$

Sequence: A265722
Score: 13.3208
Type of gen. func.: ogf

$$\frac{4 x^3 - x^2 + 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A265722
Score: 8.37697
Type of gen. func.: ogf

$$(f(x) + 8) (f(x) x^4 - 2 f(x) x^2 - 4 x^3 + x^2 + f(x) - 1)$$

Sequence: A265722
Score: 9.12997
Type of gen. func.: lgdogf

$$- \frac{4 x^4 - 2 x^3 + 12 x^2 + 2 x}{4 x^5 - x^4 - 4 x^3 + 2 x^2 - 1}$$

Sequence: A265723
Score: 10.0317
Type of gen. func.: lgdogf

$$- \frac{-6 x^3 + 12 x^2 + 6 x + 4}{\quad}$$

$$-3 x^4 + 4 x^3 + 6 x^2 - 4 x - 3$$

Sequence: A265723
Score: 13.3208
Type of gen. func.: ogf

$$- \frac{x (3 x^2 - 4 x - 3)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A265723
Score: 7.96634
Type of gen. func.: ogf

$$-(8 f(x) + 57) (f(x) x^4 - 2 f(x) x^2 + 3 x^3 - 4 x^2 + f(x) - 3 x)$$

Sequence: A265724
Score: 10.0710
Type of gen. func.: lgdogf

$$- \frac{-9 x^3 + 13 x^2 + 13 x + 7}{-3 x^4 + 4 x^3 + 6 x^2 - 4 x - 3}$$

Sequence: A265724
Score: 10.1953
Type of gen. func.: ogf

$$\frac{x (3 x^2 - 4 x - 3)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A265725
Score: 15.0264
Type of gen. func.: ogf

$$2 x^4$$

```
---------------------------
            3    2
(2 x - 1) (x  + x  + x - 1)
```

Sequence: A265725
Score: 7.04777
Type of gen. func.: ogf

```
              4         3      4         2
f(x) (2 f(x) x  + f(x) x  - 2 x  + f(x) x  - 3 f(x) x + f(x))
```

Sequence: A265725
Score: 9.95498
Type of gen. func.: lgdogf

```
      3      2
   8 x  + 3 x  + 2 x - 3
- ------------------------
     4    3    2
  2 x  + x  + x  - 3 x + 1
```

Sequence: A265734
Score: 7.51840
Type of gen. func.: ogf

```
      8    7      6      5      4      3      2
x (2 x  + x  + 4 x  + 3 x  + 6 x  + 4 x  + 3 x  + 2 x + 1)
----------------------------------------------------------
                    2   4    3    2         2
             (x - 1)  (x  + x  + x  + x + 1)
```

Sequence: A265755
Score: 13.5097
Type of gen. func.: ogf

```
    3   2
   x  (x  - x - 1)
- ------------------
   6      4    2
  x  - 2 x  - x  + 1
```

Sequence: A265762
Score: 10.7520
Type of gen. func.: ogf

```
2
```

$$\frac{x + x - 3}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A265762
Score: 5.80417
Type of gen. func.: ogf

$$(71 f(x) + 13) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x - x^2 + f(x) - x + 3)$$

Sequence: A265762
Score: 5.80418
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = -3, a(1) = -5, a(2) = -15\}$$

Sequence: A265762
Score: 6.76157
Type of gen. func.: lgdogf

$$- \frac{-x^4 - 2 x^3 + 9 x^2 - 10 x - 5}{-x^5 + x^4 + 7 x^3 - 5 x^2 - 7 x + 3}$$

Sequence: A265802
Score: 12.8068
Type of gen. func.: ogf

$$- \frac{5 x^2 - 9 x - 1}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A265802
Score: 6.67703
Type of gen. func.: ogf

$$(6719 f(x) + 4321) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + 5 x^2 + f(x) - 9 x - 1)$$

Sequence: A265802
Score: 6.85275
Type of gen. func.: ogf

{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 11, a(2) = 19}

Sequence: A265802
Score: 7.73479
Type of gen. func.: lgdogf

$$-\frac{-5 x^4 + 18 x^3 - 25 x^2 + 6 x - 11}{-5 x^5 + 19 x^4 - 7 x^3 - 25 x^2 + 7 x + 1}$$

Sequence: A265803
Score: 10.7202
Type of gen. func.: ogf

$$\frac{5 x^2 - 15 x - 7}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A265803
Score: 5.36009
Type of gen. func.: ogf

$$-(17581 f(x) - 56148) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x - 5 x^2 + f(x) + 15 x + 7)$$

Sequence: A265803
Score: 5.83028
Type of gen. func.: ogf

{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = -7, a(1) = -29, a(2) = -67}

Sequence: A265804
Score: 11.7420
Type of gen. func.: ogf

$$-\frac{11 x^2 - 17 x - 1}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A265804
Score: 6.06352
Type of gen. func.: ogf

$$(164221 f(x) + 73164)$$

$$(f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + 11 x^2 + f(x) - 17 x - 1)$$

Sequence: A265804
Score: 6.48902
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 1, a(1) = 19, a(2) = 29\}$$

Sequence: A265804
Score: 6.97875
Type of gen. func.: lgdogf

$$-\frac{-11 x^4 + 34 x^3 - 53 x^2 + 18 x - 19}{-11 x^5 + 39 x^4 - 11 x^3 - 47 x^2 + 15 x + 1}$$

Sequence: A265805
Score: 10.9304
Type of gen. func.: ogf

$$\frac{7 x^2 - 29 x - 9}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A265805
Score: 5.50963
Type of gen. func.: ogf

$(429436 f(x) - 2793811)$

$$(f(x) x^3 - 2 f(x) x^2 - 2 f(x) x - 7 x^2 + f(x) + 29 x + 9)$$

Sequence: A265805
Score: 5.89291
Type of gen. func.: ogf

$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = -9, a(1) = -47, a(2) = -105$

$\}$

Sequence: A265888
Score: 11.3487
Type of gen. func.: ogf

$$\frac{x (3 x^3 + 2 x^2 + 2 x + 1)}{(x^2 + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A265929
Score: 3.80059
Type of gen. func.: ogf

$$-\frac{(x + 1) (160 x^7 + 52 x^6 - 21 x^5 + 11 x^4 - 42 x^3 - 22 x^2 - 5 x - 5)}{96 x^8 + 20 x^7 - 28 x^6 + 13 x^5 - 27 x^4 - 10 x^3 + 2 x^2 - 3 x + 1}$$

Sequence: A265939
Score: 11.9440
Type of gen. func.: lgdogf

$$-\frac{4 x + 17 + 3 (1 - 4 x)^{1/2}}{2 (x + 2) (4 x - 1)}$$

Sequence: A265939
Score: 5.97199
Type of gen. func.: ogf

$\{(-16 n - 24) a(n + 1) + (8 n + 18) a(n + 2) + (-3 - n) a(n + 3), a(0) = 1,$

$a(1) = 5, a(2) = 21\}$

Sequence: A265939
Score: 9.48132
Type of gen. func.: ogf

$$-16 f(x)^2 x^2 + 8 f(x)^2 x - f(x)^2 - 12 f(x) x + 3 f(x) - x - 2$$

Sequence: A265945
Score: 21.0659
Type of gen. func.: lgdegf]

$$2 \ln(x + 1) + 2$$

Sequence: A265948
Score: 15.8855
Type of gen. func.: lgdogf

$$- \frac{-22 x - 28}{-22 x^2 + 19 x + 3}$$

Sequence: A265948
Score: 17.5754
Type of gen. func.: ogf

$$\frac{4 (22 x + 3)}{(x - 1)^2}$$

Sequence: A265948
Score: 9.07743
Type of gen. func.: ogf

$$(25 f(x) + 1268) (f(x) x^2 - 2 f(x) x + f(x) - 88 x - 12)$$

Sequence: A265948
Score: 9.71818
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 12, a(1) = 112\}$$

Sequence: A265987
Score: 11.4819
Type of gen. func.: ogf

$$-\frac{2 (x + 1) (2 x - 1)}{(x - 1) (4 x^2 + x - 1)}$$

Sequence: A265987
Score: 6.09041
Type of gen. func.: ogf

$$-(3 f(x) + 4) (4 f(x) x^3 - 3 f(x) x^2 - 2 f(x) x + 4 x^2 + f(x) + 2 x - 2)$$

Sequence: A265987
Score: 6.25355
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 3 a(n + 1) + 4 a(n), a(0) = 2, a(1) = 2, a(2) = 6\}$$

Sequence: A265987
Score: 7.14692
Type of gen. func.: lgdogf

$$-\frac{-8 x^4 - 8 x^3 + 11 x^2 - 2 x - 1}{-8 x^5 + 2 x^4 + 11 x^3 - 3 x^2 - 3 x + 1}$$

Sequence: A265988
Score: 6.38964
Type of gen. func.: ogf

$$-\frac{3 x^6 - 5 x^5 - x^4 - 5 x^3 - 2 x^2 + x + 1}{}$$

$$(x-1)(x^6-2x^5-3x^4-3x^3-2x^2+1)$$

Sequence: A265989
Score: 7.98071
Type of gen. func.: ogf

$$\frac{8x^6-x^5+10x^4-21x^3-5x^2+4x+2}{(2x-1)(2x+1)(x-1)}$$

Sequence: A265992
Score: 4.17844
Type of gen. func.: ogf

$$\frac{4x^{13}-14x^{10}-17x^9-20x^8-12x^7-5x^6-3x^5-x^3+2x^2+x+1}{(x-1)(x+1)(x^2+x+1)(2x^3+x-1)(2x^4+x^2+1)}$$

Sequence: A266007
Score: 14.6410
Type of gen. func.: ogf

$$-\frac{2(2x^2+1)}{(2x-1)(2x^2+x+1)}$$

Sequence: A266007
Score: 7.63200
Type of gen. func.: ogf

$$\{a(n+3)-a(n+2)-4a(n),\ a(0)=2,\ a(1)=2,\ a(2)=6\}$$

Sequence: A266007
Score: 8.44009
Type of gen. func.: ogf

$$-f(x)(4f(x)x^3+f(x)x+4x^2-f(x)+2)$$

Sequence: A266007
Score: 8.85689
Type of gen. func.: lgdogf

$$-\frac{-8x^4-10x^2-4x-1}{-8x^5-6x^3+2x^2-x+1}$$

Sequence: A266008
Score: 10.1293
Type of gen. func.: ogf

$$-\frac{(2x+1)(x^2-3x-1)}{x^4-3x^3-3x^2+x+1}$$

Sequence: A266008
Score: 5.30584
Type of gen. func.: ogf

$$-(6274 f(x) + 2607)$$

$$(f(x)x^4 - 3f(x)x^3 - 3f(x)x^2 + 2x^3 + f(x)x - 5x^2 + f(x) - 5x - 1)$$

Sequence: A266009
Score: 4.40102
Type of gen. func.: ogf

$$\frac{x^{11}-x^{10}+2x^9-5x^8+4x^7-3x^6-6x^5-4x^4-2x^3+x^2+2x+1}{(x-1)(x^2+1)(x^3+4x^2+x-1)}$$

Sequence: A266027
Score: 4.19797
Type of gen. func.: ogf

$$-(311552021 f(x) + 14332262)$$

$$(f(x)x^4 - 7f(x)x^3 - 7f(x)x^2 - 3f(x)x - x^2 + f(x) - 2x - 3)$$

Sequence: A266027
Score: 9.00433
Type of gen. func.: ogf

$$\frac{x^2 + 2 x + 3}{x^4 - 7 x^3 - 7 x^2 - 3 x + 1}$$

Sequence: A266028
Score: 3.34308
Type of gen. func.: ogf

$$(44467984363971 f(x) - 2887376630834) (72 f(x) x^4 - 6 f(x) x^3 - 46 f(x) x^2 + 76 x^3 - 5 f(x) x - x^2 + f(x) - 25 x - 5)$$

Sequence: A266028
Score: 6.85125
Type of gen. func.: ogf

$$- \frac{(4 x + 1) (19 x^2 - 5 x - 5)}{72 x^4 - 6 x^3 - 46 x^2 - 5 x + 1}$$

Sequence: A266046
Score: 10.5537
Type of gen. func.: lgdogf

$$- \frac{-12 x^2 + 12 x - 2}{-12 x^3 + 14 x^2 - 6 x + 1}$$

Sequence: A266046
Score: 15.9478
Type of gen. func.: ogf

$$2 x - 1$$

$$-\frac{}{6 x^{2} - 4 x + 1}$$

Sequence: A266046
Score: 8.06351
Type of gen. func.: ogf

$$-(f(x) - 2) (6 f(x) x^{2} - 4 f(x) x + f(x) + 2 x - 1)$$

Sequence: A266046
Score: 8.75187
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 6 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A266049
Score: 3.85402
Type of gen. func.: ogf

$$-(7748942531 f(x) - 710643642)$$

$$(f(x) x^{4} - 7 f(x) x^{3} - 7 f(x) x^{2} - x^{3} - 3 f(x) x + 7 x^{2} + f(x) + 2 x - 3)$$

Sequence: A266049
Score: 7.90825
Type of gen. func.: ogf

$$\frac{x^{3} - 7 x^{2} - 2 x + 3}{x^{4} - 7 x^{3} - 7 x^{2} - 3 x + 1}$$

Sequence: A266050
Score: 4.96966
Type of gen. func.: ogf

$$(14355 f(x) + 80501) ($$

$$2 f(x) x^{4} + 2 f(x) x^{3} - 2 f(x) x^{2} + 6 x^{3} - 2 f(x) x + 8 x^{2} + f(x) - 8 x - 2$$

$$)$$

Sequence: A266050
Score: 9.35847
Type of gen. func.: ogf

$$-\frac{2\,(3\,x^{3}+4\,x^{2}-4\,x-1)}{2\,x^{4}+2\,x^{3}-2\,x^{2}-2\,x+1}$$

Sequence: A266068
Score: 5.56925
Type of gen. func.: ogf

$$\frac{120000\,x^{5}-10000\,x^{4}-109901\,x^{3}+10001\,x^{2}-100\,x-1}{(x-1)\,(100\,x-1)\,(100\,x+1)\,(x+1)\,(10\,x^{2}-1)}$$

Sequence: A266069
Score: 8.08419
Type of gen. func.: ogf

$$\frac{64\,x^{5}-16\,x^{4}-45\,x^{3}+17\,x^{2}-4\,x-1}{(x-1)\,(4\,x-1)\,(4\,x+1)\,(x+1)\,(2\,x^{2}-1)}$$

Sequence: A266070
Score: 10.3153
Type of gen. func.: ogf

$$-f(x)\,x^{2}-x^{3}+x^{2}+f(x)-1$$

Sequence: A266070
Score: 11.0938
Type of gen. func.: ogf

$$-\frac{x^{3}-x^{2}+1}{(x-1)\,(x+1)}$$

Sequence: A266070
Score: 6.25504
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 2), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 1\}$$

Sequence: A266071
Score: 10.4180
Type of gen. func.: ogf

$$\frac{x^3 - x^2 + 1}{(x - 1) (10 x - 1) (x + 1)}$$

Sequence: A266071
Score: 4.98575
Type of gen. func.: ogf

$$\{-a(n + 4) + 10 a(n + 3) + a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 10, a(2) = 100, a(3) = 1001\}$$

Sequence: A266071
Score: 5.67484
Type of gen. func.: ogf

$$-(62 f(x) + 63) (10 f(x) x^3 - f(x) x^2 - x^3 - 10 f(x) x + x^2 + f(x) - 1)$$

Sequence: A266071
Score: 6.52341
Type of gen. func.: lgdogf

$$-\frac{-9 x^4 + 20 x^3 + 17 x^2 - 10}{10 x^6 - 11 x^5 - 9 x^4 + 21 x^3 - 2 x^2 - 10 x + 1}$$

Sequence: A266072

Score: 12.5668
Type of gen. func.: ogf

$$\frac{3 x^{3} - x^{2} + x + 1}{(x - 1)^{2} (x + 1)^{2}}$$

Sequence: A266072
Score: 8.00827
Type of gen. func.: ogf

$$(f(x) + 11) (f(x) x^{4} - 2 f(x) x^{2} - 3 x^{3} + x^{2} + f(x) - x - 1)$$

Sequence: A266073
Score: 10.1571
Type of gen. func.: lgdogf

$$- \frac{2 x^{3} - 6 x^{2} - 2 x - 2}{x^{4} - 2 x^{3} - 2 x^{2} + 2 x + 1}$$

Sequence: A266073
Score: 13.3208
Type of gen. func.: ogf

$$- \frac{2 x (x^{2} - 2 x - 1)}{(x - 1)^{2} (x + 1)^{2}}$$

Sequence: A266073
Score: 7.96634
Type of gen. func.: ogf

$$-(2 f(x) + 13) (f(x) x^{4} - 2 f(x) x^{2} + 2 x^{3} - 4 x^{2} + f(x) - 2 x)$$

Sequence: A266074
Score: 10.0483
Type of gen. func.: ogf

$$\frac{2 x (x^2 - 2 x - 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A266074
Score: 10.1739
Type of gen. func.: lgdogf

$$- \frac{3 x^3 - 7 x^2 - 5 x - 3}{x^4 - 2 x^3 - 2 x^2 + 2 x + 1}$$

Sequence: A266076
Score: 7.10157
Type of gen. func.: ogf

$$- \frac{7 x^8 + x^7 + 10 x^6 - 3 x^5 + 5 x^4 - 2 x - 2}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^3 + x - 1)}$$

Sequence: A266084
Score: 9.46368
Type of gen. func.: ogf

$$\frac{4 x^5 - x^4 - x^3 - x^2 - x + 5}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A266085
Score: 11.0798
Type of gen. func.: lgdogf

$$- \frac{12 x^2 - 12 x + 6}{4 x^3 - x^2 - 4 x + 1}$$

Sequence: A266085
Score: 12.8293
Type of gen. func.: ogf

$$-\frac{x (4 x - 1)}{(x - 1) (x + 1)^3}$$

Sequence: A266085
Score: 6.19721
Type of gen. func.: ogf

$$-(9475 f(x) - 32959) (f(x) x^4 + 2 f(x) x^3 - 2 f(x) x + 4 x^2 - f(x) - x)$$

Sequence: A266086
Score: 11.0739
Type of gen. func.: lgdogf

$$-\frac{18 x^2 - 16 x + 8}{6 x^3 - x^2 - 6 x + 1}$$

Sequence: A266086
Score: 12.8224
Type of gen. func.: ogf

$$-\frac{x (6 x - 1)}{(x - 1) (x + 1)^3}$$

Sequence: A266086
Score: 6.30068
Type of gen. func.: ogf

$$(32781 f(x) - 156593) (f(x) x^4 + 2 f(x) x^3 - 2 f(x) x + 6 x^2 - f(x) - x)$$

Sequence: A266087
Score: 10.8442
Type of gen. func.: lgdogf

$$-\frac{24 x^2 - 20 x + 10}{8 x^3 - x^2 - 8 x + 1}$$

Sequence: A266087
Score: 12.7467
Type of gen. func.: ogf

$$-\frac{x (8 x - 1)}{(x - 1) (x + 1)^3}$$

Sequence: A266087
Score: 6.15733
Type of gen. func.: ogf

$$(517347 f(x) - 3153355) (f(x) x^4 + 2 f(x) x^3 - 2 f(x) x + 8 x^2 - f(x) - x)$$

Sequence: A266088
Score: 10.9007
Type of gen. func.: lgdogf

$$-\frac{27 x^2 - 22 x + 11}{9 x^3 - x^2 - 9 x + 1}$$

Sequence: A266088
Score: 12.8131
Type of gen. func.: ogf

$$-\frac{x (9 x - 1)}{(x - 1) (x + 1)^3}$$

Sequence: A266088
Score: 6.13738
Type of gen. func.: ogf

$$(1364200 f(x) - 9218107) (f(x) x^4 + 2 f(x) x^3 - 2 f(x) x + 9 x^2 - f(x) - x)$$

Sequence: A266090
Score: 7.65700
Type of gen. func.: ogf

$$\frac{(2 x - 1) (80 x^4 + 32 x^3 - 11 x^2 + 3 x + 1)}{(x - 1) (4 x - 1) (4 x + 1) (x + 1) (8 x^2 - 1)}$$

Sequence: A266096
Score: 6.69557
Type of gen. func.: ogf

$$-\frac{3 x^4 + 10 x^3 - 3 x^2 - 9 x - 4}{2 x^5 + 12 x^4 - 5 x^3 - 12 x^2 - x + 1}$$

Sequence: A266171
Score: 2.19722
Type of gen. func.: ogf

$$-f(x)^2 (-x^2 + f(x))$$

Sequence: A266175
Score: 5.30665
Type of gen. func.: ogf

$$\frac{1110000 x^5 - 10000 x^4 - 1000001 x^3 + 10001 x^2 - 10 x - 1}{(x - 1) (10 x + 1) (100 x - 1) (100 x + 1) (10 x - 1) (x + 1)}$$

Sequence: A266176
Score: 8.08846
Type of gen. func.: ogf

$$112 x^5 - 16 x^4 - 65 x^3 + 17 x^2 - 2 x - 1$$

```
         -------------------------------------------------------
         (x - 1) (4 x - 1) (2 x + 1) (2 x - 1) (4 x + 1) (x + 1)
```

Sequence: A266179
Score: 14.0012
Type of gen. func.: ogf

```
                  110 x + 1
          - ------------------------
            (100 x - 1) (100 x + 1)
```

Sequence: A266179
Score: 7.47791
Type of gen. func.: lgdogf

```
                        2
               -1100000 x  - 20000 x - 110
          - ------------------------------------
                      3          2
            -1100000 x  - 10000 x  + 110 x + 1
```

Sequence: A266179
Score: 8.65863
Type of gen. func.: ogf

```
                                             2
  (200 f(x) - 79) (10000 f(x) x  - f(x) + 110 x + 1)
```

Sequence: A266179
Score: 9.40080
Type of gen. func.: ogf

```
{a(n + 2) - 10000 a(n), a(0) = 1, a(1) = 110}
```

Sequence: A266180
Score: 10.6507
Type of gen. func.: ogf

```
                               2
  (8 f(x) + 1) (16 f(x) x  - f(x) + 6 x + 1)
```

Sequence: A266180

Score: 10.6507
Type of gen. func.: lgdogf

$$-\frac{-96x^2-32x-6}{-96x^3-16x^2+6x+1}$$

Sequence: A266180
Score: 11.1423
Type of gen. func.: ogf

$$\{a(n+2)-16a(n),\ a(0)=1,\ a(1)=6\}$$

Sequence: A266180
Score: 17.2440
Type of gen. func.: ogf

$$-\frac{6x+1}{(4x-1)(4x+1)}$$

Sequence: A266193
Score: 9.25500
Type of gen. func.: ogf

$$x^2(x^{22}+x^{18}-x^{16}+x^{12}+x^{10}+x^6+x^4+1) \Big/ ((x+1)(x^2+1)(x^4+1)(x^2+x+1)(x^2-x+1)(x^4-x^2+1)(x^8-x^4+1)(x-1)^2)$$

Sequence: A266217
Score: 6.55141
Type of gen. func.: ogf

$$-\frac{10000x^5-10000x^4-11001x^3+10001x^2-110x-1}{(x-1)(100x-1)(100x+1)(x+1)}$$

Sequence: A266218
Score: 8.15853
Type of gen. func.: ogf

$$-\frac{16x^5 - 16x^4 - 25x^3 + 17x^2 - 6x - 1}{(x - 1)(4x - 1)(4x + 1)(x + 1)}$$

Sequence: A266219
Score: 11.0794
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{(x - 1)(10x - 1)(x + 1)}$$

Sequence: A266219
Score: 5.67484
Type of gen. func.: ogf

$$-(1091 f(x) + 1329)(10 f(x) x^3 - f(x) x^2 - 10 f(x) x + x^2 + f(x) - x - 1)$$

Sequence: A266219
Score: 5.96585
Type of gen. func.: ogf

$$\{a(n + 3) - 10 a(n + 2) - a(n + 1) + 10 a(n), a(0) = 1, a(1) = 11, a(2) = 110\}$$

Sequence: A266219
Score: 6.98005
Type of gen. func.: lgdogf

$$-\frac{-10x^4 + 20x^3 + 19x^2 - 11}{-10x^5 + 11x^4 + 19x^3 - 12x^2 - 9x + 1}$$

Sequence: A266220
Score: 8.05173
Type of gen. func.: ogf

$$-\frac{x^5 - x^4 - 3x^3 + 2x^2 - 2x - 1}{}$$

$$(x-1)^2\,(x+1)^2$$

Sequence: A266221
Score: 8.13713
Type of gen. func.: ogf

$$\frac{x^5 - x^4 - 3\,x^3 + 2\,x^2 - 2\,x - 1}{(x+1)^2\,(x-1)^3}$$

Sequence: A266222
Score: 8.60888
Type of gen. func.: ogf

$$\frac{x\,(x^4 - x^3 - 2\,x^2 + 5\,x + 1)}{(x-1)^2\,(x+1)^2}$$

Sequence: A266223
Score: 8.39081
Type of gen. func.: ogf

$$-\frac{x\,(x^4 - x^3 - 2\,x^2 + 5\,x + 1)}{(x+1)^2\,(x-1)^3}$$

Sequence: A266238
Score: 11.1359
Type of gen. func.: ogf

$$-\frac{8\,x^3 - 6\,x^2 + x + 1}{(4\,x-1)\,(4\,x+1)\,(x^2+1)}$$

Sequence: A266238
Score: 6.72166
Type of gen. func.: ogf

$$(15377 f(x) - 11113) (16 f(x) x^4 + 15 f(x) x^2 + 8 x^3 - 6 x^2 - f(x) + x + 1)$$

Sequence: A266242
Score: 5.60838
Type of gen. func.: ogf

$$x (7 x^{11} + 7 x^{10} + 7 x^9 + 7 x^8 + 7 x^7 + 7 x^6 + 7 x^5 + 7 x^4 + 7 x^3 + 7 x^2 + 7 x + 36) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A266244
Score: 4.88652
Type of gen. func.: ogf

$$(10000000000 x^7 - 110000000 x^6 + 109000000 x^5 - 989000 x^4 + 1100000 x^3 - 9900 x^2 + 1)/((x - 1) (100 x - 1) (100 x + 1) (x + 1))$$

Sequence: A266245
Score: 7.55861
Type of gen. func.: ogf

$$\frac{1024 x^7 - 384 x^6 + 320 x^5 - 40 x^4 + 96 x^3 - 12 x^2 + 1}{(x - 1) (4 x - 1) (4 x + 1) (x + 1)}$$

Sequence: A266246
Score: 11.1779
Type of gen. func.: ogf

$$\frac{x^6 - x^5 - 1}{(x - 1) (x + 1)}$$

Sequence: A266247
Score: 10.4180
Type of gen. func.: ogf

```
                                    6    5
                                   x  - x  - 1
                          - --------------------------
                            (x - 1) (10 x - 1) (x + 1)



-------------------------------------------------------------------------------

Sequence:  A266247
Score: 3.65448
Type of gen. func.: ogf


{a(n + 4) - 10 a(n + 3) - a(n + 2) + 10 a(n + 1), a(0) = 1, a(1) = 10,

    a(2) = 101, a(3) = 1010, a(4) = 10101, a(5) = 101011, a(6) = 1010110}



-------------------------------------------------------------------------------

Sequence:  A266248
Score: 12.3694
Type of gen. func.: ogf


                                    6    5
                                   x  - x  - 1
                          - -------------------------
                            (x + 1) (2 x - 1) (x - 1)



-------------------------------------------------------------------------------

Sequence:  A266248
Score: 4.67448
Type of gen. func.: ogf


{a(n + 4) - 2 a(n + 3) - a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 5,

    a(3) = 10, a(4) = 21, a(5) = 43, a(6) = 86}



-------------------------------------------------------------------------------

Sequence:  A266249
Score: 9.45899
Type of gen. func.: ogf


                          7      6    5    4      3
                         x  - 2 x  + x  + x  + 2 x  + 1
                         ------------------------------
                                      2        2
                               (x - 1)  (x + 1)



-------------------------------------------------------------------------------

Sequence:  A266250
Score: 7.90198
Type of gen. func.: ogf


                           7      6    5    4      3
```

$$-\frac{x - 2x + x + x + 2x + 1}{(x+1)^2 (x-1)^3}$$

Sequence: A266251
Score: 8.64531
Type of gen. func.: ogf

$$-\frac{x (x^6 - 2x^5 + x^4 + x^3 + x^2 - 3x - 3)}{(x-1)^2 (x+1)^2}$$

Sequence: A266252
Score: 7.30814
Type of gen. func.: ogf

$$\frac{x (x^6 - 2x^5 + x^4 + x^3 + x^2 - 3x - 3)}{(x+1)^2 (x-1)^3}$$

Sequence: A266254
Score: 3.82958
Type of gen. func.: ogf

$$(2420000000000000 f(x) + 11187058767626131) (10000 f(x) x^4 + 100000 x^4 - 10001 f(x) x^2 - 111000 x^3 + 9990 x^2 + f(x) - 100 x - 1)$$

Sequence: A266254
Score: 6.50230
Type of gen. func.: ogf

$$-\frac{100000 x^4 - 111000 x^3 + 9990 x^2 - 100 x - 1}{(x - 1) (100 x - 1) (100 x + 1) (x + 1)}$$

Sequence: A266255
Score: 6.12588
Type of gen. func.: ogf

$$(737280 f(x) + 1469063)$$

$$(16 f(x) x^4 + 32 x^4 - 17 f(x) x^2 - 56 x^3 + 14 x^2 + f(x) - 4 x - 1)$$

Sequence: A266255
Score: 9.81713
Type of gen. func.: ogf

$$-\frac{32 x^4 - 56 x^3 + 14 x^2 - 4 x - 1}{(x - 1) (4 x - 1) (4 x + 1) (x + 1)}$$

Sequence: A266256
Score: 12.5668
Type of gen. func.: ogf

$$-\frac{x^4 - 3 x^3 - x - 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A266256
Score: 7.56336
Type of gen. func.: ogf

$$-(16 f(x) + 113) (f(x) x^4 + x^4 - 2 f(x) x^2 - 3 x^3 + f(x) - x - 1)$$

Sequence: A266257
Score: 9.62212
Type of gen. func.: ogf

$$\frac{x^4 - 3 x^3 - x - 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A266258
Score: 11.7144
Type of gen. func.: ogf

$$\frac{x (x^3 - 2 x^2 + 3 x + 2)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A266258
Score: 7.62538
Type of gen. func.: ogf

$$(8 f(x) + 31) (f(x) x^4 - x^4 - 2 f(x) x^2 + 2 x^3 - 3 x^2 + f(x) - 2 x)$$

Sequence: A266259
Score: 8.39081
Type of gen. func.: lgdogf

$$- \frac{2 x^4 - 5 x^3 + 13 x^2 + 9 x + 5}{x^5 - 2 x^4 + 2 x^3 + 4 x^2 - 3 x - 2}$$

Sequence: A266259
Score: 9.14504
Type of gen. func.: ogf

$$- \frac{x (x^3 - 2 x^2 + 3 x + 2)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A266278
Score: 5.71719
Type of gen. func.: ogf

$$- \frac{(x^4 + 5 x^3 + 3 x - 5) (x + 1)^2}{(x^2 + 1) (x^5 - 2 x^4 - 21 x^3 + 15 x^2 - 10 x + 1)}$$

Sequence: A266279
Score: 10.2102
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A266279
Score: 14.0173
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + x$$

Sequence: A266279
Score: 25.0613
Type of gen. func.: ogf

$$\frac{x}{(x - 1)^2}$$

Sequence: A266279
Score: 29.5366
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A266279
Score: 63.3938
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A266283
Score: 5.86525
Type of gen. func.: ogf

$$\frac{1100000 x^5 - 1000000 x^3 + 10000 x^2 - 10 x - 1}{(x - 1) (10 x + 1) (100 x - 1) (100 x + 1) (10 x - 1) (x + 1)}$$

Sequence: A266284
Score: 9.01817
Type of gen. func.: ogf

$$\frac{96 x^5 - 64 x^3 + 16 x^2 - 2 x - 1}{(x - 1) (4 x - 1) (2 x + 1) (2 x - 1) (4 x + 1) (x + 1)}$$

Sequence: A266285
Score: 10.0912
Type of gen. func.: lgdogf

$$-\frac{-2 x^4 - 9 x^2 - 4 x - 1}{-2 x^5 + x^3 - x^2 + x + 1}$$

Sequence: A266285
Score: 14.1632
Type of gen. func.: ogf

$$\frac{2 x^3 + x + 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A266285
Score: 8.40939
Type of gen. func.: ogf

$$(32 f(x) - 397) (f(x) x^4 - 2 f(x) x^2 - 2 x^3 + f(x) - x - 1)$$

Sequence: A266286
Score: 10.2323
Type of gen. func.: lgdogf

$$-\frac{-2 x^3 + 9 x^2 + 6 x + 3}{-x^4 + 3 x^3 + 3 x^2 - 3 x - 2}$$

Sequence: A266286
Score: 13.4194
Type of gen. func.: ogf

$$-\frac{x (x^2 - 3 x - 2)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A266286
Score: 8.18584
Type of gen. func.: ogf

$$(32 f(x) - 281) (f(x) x^4 - 2 f(x) x^2 + x^3 - 3 x^2 + f(x) - 2 x)$$

Sequence: A266287
Score: 10.0483
Type of gen. func.: ogf

$$\frac{x (x^2 - 3 x - 2)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A266287
Score: 9.92572
Type of gen. func.: lgdogf

$$-\frac{-3 x^3 + 11 x^2 + 11 x + 5}{-x^4 + 3 x^3 + 3 x^2 - 3 x - 2}$$

Sequence: A266297
Score: 11.1052
Type of gen. func.: ogf

$$\frac{x (x^3 + 5 x^2 + 3 x + 1)}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A266299
Score: 13.7095
Type of gen. func.: ogf

$$-100 f(x) x + f(x) - 10 x - 1$$

Sequence: A266299
Score: 15.6680
Type of gen. func.: lgdogf

$$-\frac{110}{1000 x^{2} + 90 x - 1}$$

Sequence: A266299
Score: 16.4514
Type of gen. func.: ogf

$$-\frac{10 x + 1}{100 x - 1}$$

Sequence: A266299
Score: 8.65863
Type of gen. func.: ogf

$$\{a(n + 2) - 100 a(n + 1), a(0) = 1, a(1) = 110\}$$

Sequence: A266301
Score: 4.91867
Type of gen. func.: ogf

$$(2222000000000000 f(x) - 825644718773109)$$

$$(10000 f(x) x^{4} - 10001 f(x) x^{2} - 11000 x^{3} + 10000 x^{2} + f(x) - 110 x - 1)$$

Sequence: A266301
Score: 8.77063
Type of gen. func.: ogf

$${}^{3} \qquad {}^{2}$$

$$\frac{11000 x - 10000 x + 110 x + 1}{(x - 1) (100 x - 1) (100 x + 1) (x + 1)}$$

Sequence: A266302
Score: 11.0976
Type of gen. func.: ogf

$$\frac{24 x^3 - 16 x^2 + 6 x + 1}{(x - 1) (4 x - 1) (4 x + 1) (x + 1)}$$

Sequence: A266302
Score: 6.65857
Type of gen. func.: ogf

$$(122880 f(x) + 168467)$$

$$(16 f(x) x^4 - 17 f(x) x^2 - 24 x^3 + 16 x^2 + f(x) - 6 x - 1)$$

Sequence: A266303
Score: 12.3290
Type of gen. func.: ogf

$$\frac{2 x^3 - x^2 + 2 x + 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A266303
Score: 7.8567
Type of gen. func.: ogf

$$(4 f(x) + 63) (f(x) x^4 - 2 f(x) x^2 - 2 x^3 + x^2 + f(x) - 2 x - 1)$$

Sequence: A266303
Score: 9.00431
Type of gen. func.: lgdogf

$$- \frac{-2 x^4 + 2 x^3 - 12 x^2 - 2 x - 2}{}$$

$$-2 x^5 + x^4 - 2 x^2 + 2 x + 1$$

Sequence: A266304
Score: 10.0483
Type of gen. func.: lgdogf

$$- \frac{3 x^3 - 15 x^2 - 7 x - 5}{x^4 - 4 x^3 - 2 x^2 + 4 x + 1}$$

Sequence: A266304
Score: 10.0483
Type of gen. func.: ogf

$$\frac{x (x^2 - 4 x - 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A266313
Score: 10.0070
Type of gen. func.: ogf

$$- \frac{x (x + 1) (x^2 + 1)}{(x - 1) (x^4 + 1)}$$

Sequence: A266313
Score: 25.1240
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 - 2 x^3 + 2$$

Sequence: A266323
Score: 6.43120
Type of gen. func.: ogf

$$100000 x^5 - 10000 x^4 - 101010 x^3 + 10001 x^2 - 101 x - 1$$

$$-\frac{\quad}{(x - 1) (100 x - 1) (100 x + 1) (x + 1)}$$

Sequence: A266324
Score: 8.15853
Type of gen. func.: ogf

$$-\frac{32 x^5 - 16 x^4 - 42 x^3 + 17 x^2 - 5 x - 1}{(x - 1) (4 x - 1) (4 x + 1) (x + 1)}$$

Sequence: A266327
Score: 11.5595
Type of gen. func.: ogf

$$(2 f(x) + 119) (f(x) x^2 - f(x) + 11 x + 1)$$

Sequence: A266327
Score: 11.8995
Type of gen. func.: lgdogf

$$-\frac{-11 x^2 - 2 x - 11}{-11 x^3 - x^2 + 11 x + 1}$$

Sequence: A266327
Score: 12.4487
Type of gen. func.: ogf

$$\{a(n + 2) - a(n), a(0) = 1, a(1) = 11\}$$

Sequence: A266327
Score: 19.2658
Type of gen. func.: ogf

$$-\frac{11 x + 1}{(x - 1) (x + 1)}$$

Sequence: A266333
Score: 6.03248
Type of gen. func.: ogf

$$\frac{(x^2+1)(x^2+x+1)(x^2-x+1)(x+1)^3}{(x-1)(x^3+x-1)(x^4+x^3+x^2+x+1)}$$

Sequence: A266334
Score: 4.19722
Type of gen. func.: ogf

$$(x^2+x+1)(x^2-x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x+1)^3 \Big/ \left((x-1)\left(x^{13}+x^{12}+2x^{11}+2x^{10}+2x^9+2x^8+2x^7+2x^6+2x^5+x^4+x^3-1\right)\right)$$

Sequence: A266335
Score: 6.88235
Type of gen. func.: ogf

$$\frac{(x^2+x+1)(x^2-x+1)(x+1)^3}{(x-1)(x^2+x-1)(x^4+x^3+x^2+x+1)}$$

Sequence: A266336
Score: 8.05257
Type of gen. func.: ogf

$$\frac{(x+1)^2(x^2+x+1)(x^2-x+1)}{(x-1)(x^5+x^4+x-1)}$$

Sequence: A266337
Score: 9.58705
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + x + 1) (x^2 + 1)}{(x - 1) (x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A266338
Score: 6.87330
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x + 1)^3}{(x - 1) (x^7 + x^6 + x^5 + x^4 + x^3 - 1)}$$

Sequence: A266339
Score: 8.00838
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^3}{(x - 1) (x^2 + x + 1) (x^2 + x - 1)}$$

Sequence: A266340
Score: 6.57676
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^2 - x + 1) (x + 1)^3}{(x - 1) (x^5 + x^3 + x - 1)}$$

Sequence: A266353
Score: 9.08338
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + x + 1) (x^2 + 1)}{(x^3 + x - 1) (x - 1)}$$

Sequence: A266354
Score: 4.66640
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^2 - x + 1) (x^4 - x^3 + x^2 - x + 1) (x + 1)^3}{(x - 1) (x^9 + x^7 + x^6 + x^4 + x^2 + x - 1)}$$

Sequence: A266355
Score: 6.14318
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x + 1)^3}{(x - 1) (x^7 + x^6 + 2 x^5 + 2 x^4 + x^3 + x^2 - 1)}$$

Sequence: A266357
Score: 6.05786
Type of gen. func.: ogf

$$- \frac{x^9 - 5 x^8 + 9 x^7 - 6 x^6 + 6 x^2 - 7 x + 4}{(x + 1) (x^2 + x + 1) (x - 1)^7}$$

Sequence: A266365
Score: 4.01977
Type of gen. func.: ogf

$$\{(2 n^2 - 47 n + 276) a(n + 1) + (-2 - n) a(n + 2), a(0) = 1, a(1) = 325\}$$

Sequence: A266367
Score: 10.9436
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^2}{(x - 1) (3 x^3 + x^2 + x - 1)}$$

Sequence: A266367
Score: 6.85088
Type of gen. func.: ogf

$$-f(x) (3 f(x) x^4 - 2 f(x) x^3 - x^4 - 2 x^3 - 2 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A266367
Score: 7.20221
Type of gen. func.: lgdogf

$$-\frac{-8 x^5 - 4 x^4 - 16 x^3 + 8 x^2 + 4}{-3 x^7 - x^6 - x^5 + x^4 + 3 x^3 + x^2 + x - 1}$$

Sequence: A266370
Score: 8.02594
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^3}{(x - 1) (2 x^4 + 3 x^3 + x^2 - 1)}$$

Sequence: A266371
Score: 6.04142
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x + 1)^2}{(x - 1) (x^7 + x^6 + 2 x^5 + x^4 + x^3 + x - 1)}$$

Sequence: A266372
Score: 4.93690
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x + 1)^3}{(x - 1) (x^4 + x^3 + x^2 + x + 1) (x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A266373
Score: 6.20084
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)\,(x^2 - x + 1)\,(x^4 - x^3 + x^2 - x + 1)\,(x + 1)^3}{(x - 1)\,(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A266374
Score: 8.60969
Type of gen. func.: ogf

$$\frac{(x + 1)^2\,(x^2 + x + 1)\,(x^2 - x + 1)}{(x - 1)\,(3\,x^5 + x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A266375
Score: 7.14978
Type of gen. func.: ogf

$$\frac{(x^2 + 1)\,(x^2 - x + 1)\,(x + 1)^3}{(x - 1)\,(x^5 + x^4 + x^2 + x - 1)}$$

Sequence: A266376
Score: 8.53449
Type of gen. func.: ogf

$$\frac{(x^2 + 1)\,(x^2 - x + 1)\,(x + 1)^3}{(x - 1)\,(x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A266379
Score: 6.34550
Type of gen. func.: ogf

$$- \frac{1000000\,x^5 - 10000\,x^4 - 1001100\,x^3 + 10001\,x^2 - 11\,x - 1}{(x - 1)\,(100\,x - 1)\,(100\,x + 1)\,(x + 1)}$$

Sequence: A266380
Score: 8.15853
Type of gen. func.: ogf

$$-\frac{64 x^5 - 16 x^4 - 76 x^3 + 17 x^2 - 3 x - 1}{(x - 1) (4 x - 1) (4 x + 1) (x + 1)}$$

Sequence: A266387
Score: 10.8117
Type of gen. func.: ogf

$$\frac{7 x^5}{(x - 1)^6}$$

Sequence: A266387
Score: 27.8016
Type of gen. func.: lgdogf

$$\frac{6}{-x + 1}$$

Sequence: A266387
Score: 5.29554
Type of gen. func.: ogf

{(-3 + n) a(n + 2) + (-2 - n) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0,

a(4) = 0, a(5) = 7}

Sequence: A266387
Score: 59.4413
Type of gen. func.: ogf_with_Euler_transform]

[6]

Sequence: A266393
Score: 5.60976
Type of gen. func.: egf]

$$\frac{12 (2 x^3 + 3 x^2 + 4 x + 1)}{(x - 1)^6}$$

Sequence: A266393
Score: 6.75875
Type of gen. func.: lgdegf]

$$- \frac{-6 x^3 - 18 x^2 - 26 x - 10}{-2 x^4 - x^3 - x^2 + 3 x + 1}$$

Sequence: A266395
Score: 12.5935
Type of gen. func.: ogf

$$- \frac{15 x^4}{(x - 1)^5}$$

Sequence: A266395
Score: 28.7851
Type of gen. func.: lgdogf

$$\frac{5}{-x + 1}$$

Sequence: A266395
Score: 5.88309
Type of gen. func.: ogf

{(-2 + n) a(n + 2) + (-2 - n) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0,

a(4) = 15}

Sequence: A266395
Score: 6.71653
Type of gen. func.: ogf

$$f(x) x^{5} - 5 f(x) x^{4} + 10 f(x) x^{3} + 15 x^{4} - 10 f(x) x^{2} + 5 f(x) x - f(x)$$

Sequence: A266395
Score: 61.5592
Type of gen. func.: ogf_with_Euler_transform]

[5]

Sequence: A266396
Score: 10.0731
Type of gen. func.: ogf

$$\frac{x^{3} (9 x - 10)}{(x - 1)^{5}}$$

Sequence: A266396
Score: 15.4970
Type of gen. func.: lgdogf

$$- \frac{-36 x + 41}{-9 x^{2} + 19 x - 10}$$

Sequence: A266396
Score: 4.82542
Type of gen. func.: ogf

$$-(58985 f(x) - 1111111111) (f(x) x^{5} - 5 f(x) x^{4} + 10 f(x) x^{3} - 9 x^{4} - 10 f(x) x^{2} + 10 x^{3} + 5 f(x) x - f(x))$$

Sequence: A266396
Score: 5.16567
Type of gen. func.: ogf

$\{-10\, n\, a(n+3) + (22 + 19\, n)\, a(n+2) + (-18 - 9\, n)\, a(n+1),\ a(0) = 0,$

$a(1) = 0,\ a(2) = 0,\ a(3) = 10\}$

Sequence: A266397
Score: 11.7742
Type of gen. func.: ogf

$$-\frac{x^2\,(5\,x - 9)}{(x - 1)^4}$$

Sequence: A266397
Score: 15.9298
Type of gen. func.: lgdogf

$$-\frac{-15\,x + 31}{-5\,x^2 + 14\,x - 9}$$

Sequence: A266397
Score: 5.38026
Type of gen. func.: ogf

$\{(-9 - 9\, n)\, a(n+3) + (31 + 14\, n)\, a(n+2) + (-10 - 5\, n)\, a(n+1),\ a(0) = 0,$

$a(1) = 0,\ a(2) = 9\}$

Sequence: A266397
Score: 6.10842
Type of gen. func.: ogf

$$(331\, f(x) - 729)$$

$$(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 + 5\,x^3 - 4\,f(x)\,x - 9\,x^2 + f(x))$$

Sequence: A266398
Score: 11.4592
Type of gen. func.: ogf

2

$$-\frac{x\,(11\,x-12)}{(x-1)^4}$$

Sequence: A266398
Score: 15.3510
Type of gen. func.: lgdogf

$$-\frac{-33\,x+37}{-11\,x^2+23\,x-12}$$

Sequence: A266398
Score: 5.24904
Type of gen. func.: ogf

$$\{(-12-12\,n)\,a(n+3)+(37+23\,n)\,a(n+2)+(-22-11\,n)\,a(n+1),\ a(0)=0,\ a(1)=0,\ a(2)=12\}$$

Sequence: A266398
Score: 5.85324
Type of gen. func.: ogf

$$(604\,f(x)+3006865)\,(f(x)\,x^4-4\,f(x)\,x^3+6\,f(x)\,x^2+11\,x^3-4\,f(x)\,x-12\,x^2+f(x))$$

Sequence: A266423
Score: 3.78084
Type of gen. func.: ogf

$$-\frac{x^{11}-5\,x^{10}+8\,x^9-x^8-9\,x^7+6\,x^6+6\,x^4-9\,x^3-x^2+6\,x-4}{(x^2+x+1)\,(x+1)^2\,(x-1)^8}$$

Sequence: A266429
Score: 5.67399
Type of gen. func.: ogf

6   5   4   3   2

$$-\frac{x - 7 x + 21 x - 34 x + 32 x - 15 x + 4}{(x - 1)^{7}}$$

Sequence: A266435
Score: 5.00715
Type of gen. func.: ogf

$\{-a(n + 5) + 10001 a(n + 3) - 10000 a(n + 1), a(0) = 1, a(1) = 111, a(2) = 0,$
$a(3) = 1111111, a(4) = 0\}$

Sequence: A266435
Score: 6.49075
Type of gen. func.: ogf

$$10000 f(x) x^{4} - 10000 x^{4} - 10001 f(x) x^{2} - 1000 x^{3} + 10001 x^{2} + f(x) - 111 x - 1$$

Sequence: A266435
Score: 7.45746
Type of gen. func.: ogf

$$\frac{10000 x^{4} + 1000 x^{3} - 10001 x^{2} + 111 x + 1}{(x - 1) (100 x - 1) (100 x + 1) (x + 1)}$$

Sequence: A266436
Score: 5.54525
Type of gen. func.: ogf

$\{-a(n + 5) + 17 a(n + 3) - 16 a(n + 1), a(0) = 1, a(1) = 7, a(2) = 0,$
$a(3) = 127, a(4) = 0\}$

Sequence: A266436
Score: 7.7999
Type of gen. func.: ogf

$$16 f(x) x^{4} - 16 x^{4} - 17 f(x) x^{2} - 8 x^{3} + 17 x^{2} + f(x) - 7 x - 1$$

Sequence: A266436
Score: 9.21808
Type of gen. func.: ogf

$$\frac{16 x^4 + 8 x^3 - 17 x^2 + 7 x + 1}{(x - 1) (4 x - 1) (4 x + 1) (x + 1)}$$

Sequence: A266437
Score: 5.25960
Type of gen. func.: ogf

$\{-a(n + 5) + 2 a(n + 3) - a(n + 1), a(0) = 1, a(1) = 3, a(2) = 0, a(3) = 7,$

$a(4) = 0\}$

Sequence: A266437
Score: 7.49644
Type of gen. func.: ogf

$$f(x) x^4 - x^4 - 2 f(x) x^2 - x^3 + 2 x^2 + f(x) - 3 x - 1$$

Sequence: A266437
Score: 8.93411
Type of gen. func.: ogf

$$\frac{x^4 + x^3 - 2 x^2 + 3 x + 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A266438
Score: 8.83710
Type of gen. func.: ogf

$$-\frac{x^4 + x^3 - 2 x^2 + 3 x + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A266439
Score: 11.5545
Type of gen. func.: lgdogf

$$-\frac{2x^3-18x}{x^4-6x^2+5}$$

Sequence: A266439
Score: 11.5545
Type of gen. func.: ogf

$$-\frac{x^2(x^2-5)}{(x-1)^2(x+1)^2}$$

Sequence: A266439
Score: 6.21327
Type of gen. func.: ogf

{(2 n + 5) a(n) + (-2 n - 1) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 5}

Sequence: A266439
Score: 7.40007
Type of gen. func.: ogf

$$-f(x)\,(f(x)\,x^4+x^4-2\,f(x)\,x^2-5\,x^2+f(x))$$

Sequence: A266440
Score: 10.5187
Type of gen. func.: ogf

$$\frac{x^2(x^2-5)}{(x+1)^2(x-1)^3}$$

Sequence: A266440

Score: 11.7382
Type of gen. func.: lgdogf

$$-\frac{3x^3+x^2-23x-5}{x^4-6x^2+5}$$

Sequence: A266443
Score: 5.29147
Type of gen. func.: ogf

$$(4096x^9-1536x^8-3584x^7+1504x^6-448x^5+24x^4-48x^3+9x^2-x-1) \Big/ ((x-1)(4x-1)(4x+1)(x+1)(2x^2-1))$$

Sequence: A266444
Score: 6.63091
Type of gen. func.: ogf

$$-\frac{x^{13}-x^{11}-x^{10}+x^9+x^4-x^2+1}{(x-1)(x+1)}$$

Sequence: A266446
Score: 7.89905
Type of gen. func.: ogf

$$\frac{x^{13}-x^{11}-x^{10}+x^9+x^4-x^2+1}{(x+1)(2x-1)(x-1)}$$

Sequence: A266447
Score: 9.12997
Type of gen. func.: ogf

$$\frac{x^7-2x^6+x^5+x^4+x^3+x+1}{(x-1)^2(x+1)^2}$$

Sequence: A266448
Score: 7.46706
Type of gen. func.: ogf

$$-\frac{x^7 - 2 x^6 + x^5 + x^4 + x^3 + x + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A266449
Score: 9.45899
Type of gen. func.: ogf

$$-\frac{x (x^2 - x - 1) (x^4 - x^3 + x^2 + x + 2)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A266450
Score: 7.75151
Type of gen. func.: ogf

$$\frac{x (x^2 - x - 1) (x^4 - x^3 + x^2 + x + 2)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A266460
Score: 5.61490
Type of gen. func.: ogf

$$\frac{110000 x^5 - 10000 x^4 - 99900 x^3 + 10001 x^2 - 101 x - 1}{(x - 1) (100 x - 1) (100 x + 1) (x + 1) (10 x^2 - 1)}$$

Sequence: A266461
Score: 8.08419
Type of gen. func.: ogf

$$\frac{48 x^5 - 16 x^4 - 28 x^3 + 17 x^2 - 5 x - 1}{{}^{2}}$$

$$(x - 1) (4 x - 1) (4 x + 1) (x + 1) (2 x - 1)$$

Sequence: A266464
Score: 8.04559
Type of gen. func.: lgdogf

$$-\frac{-x^5 + 3 x^4 + 2 x^3 - 2 x^2 + 2 x + 4}{-x^6 + 3 x^5 - 5 x^3 + 3 x^2 + 2 x - 2}$$

Sequence: A266464
Score: 8.99722
Type of gen. func.: ogf

$$-\frac{x^4 - 3 x^3 + x^2 + 2 x - 2}{(x + 1) (x - 1)^4}$$

Sequence: A266465
Score: 3.81192
Type of gen. func.: ogf

$$-\frac{x^{11} - 5 x^{10} + 7 x^9 - 7 x^7 + 3 x^6 + x^5 + 5 x^4 - 7 x^3 - 3 x^2 + 5 x - 2}{(x^2 + x + 1) (x + 1)^2 (x - 1)^8}$$

Sequence: A266471
Score: 6.56814
Type of gen. func.: ogf

$$-\frac{x^5 - 11 x^4 + 28 x^3 - 32 x^2 + 18 x - 5}{(x - 1)^6}$$

Sequence: A266472
Score: 3.45065
Type of gen. func.: ogf

$$- (4 x^9 - 30 x^8 + 109 x^7 - 248 x^6 + 382 x^5 - 410 x^4 + 303 x^3 - 147 x^2 + 41 x - 6) \Big/ (x - 1)^{10}$$

Sequence: A266491
Score: 8.47789
Type of gen. func.: ogf

$$\frac{x (2 x^4 + x^2 + 2 x + 1)}{(x^2 + 1)^2 (x - 1)^2}$$

Sequence: A266491
Score: 9.67476
Type of gen. func.: lgdogf

$$- \frac{4 x^6 + 16 x^3 + 4}{2 x^7 - 2 x^6 + 3 x^5 - x^4 - x - 1}$$

Sequence: A266504
Score: 13.0531
Type of gen. func.: ogf

$$\frac{(x - 1) (x^2 + 4 x + 2)}{x^4 + 2 x^2 - 1}$$

Sequence: A266504
Score: 8.08049
Type of gen. func.: ogf

$$(140 f(x) - 233) (f(x) x^4 + 2 f(x) x^2 - x^3 - 3 x^2 - f(x) + 2 x + 2)$$

Sequence: A266505
Score: 14.0032
Type of gen. func.: ogf

$$-\frac{(3x-1)(x+1)^2}{x^4+2x^2-1}$$

Sequence: A266505
Score: 8.05496
Type of gen. func.: lgdogf

$$-\frac{-3x^5-7x^4+10x^3-6x^2-5x-1}{-3x^6-2x^5-5x^4-4x^3+5x^2+2x-1}$$

Sequence: A266505
Score: 8.35055
Type of gen. func.: ogf

$$-(350 f(x) + 981) (f(x) x^4 + 2 f(x) x^2 + 3 x^3 + 5 x^2 - f(x) + x - 1)$$

Sequence: A266506
Score: 8.92380
Type of gen. func.: ogf

$$-\frac{3x^7-x^6+5x^5-3x^4+x^3+2x^2-x+2}{x^8+2x^4-1}$$

Sequence: A266507
Score: 11.2878
Type of gen. func.: lgdogf

$$-\frac{-2x^2+2x-4}{-2x^3+13x^2-8x+1}$$

Sequence: A266507
Score: 16.3046

Type of gen. func.: ogf

$$-\frac{2 (2 x - 1)}{x^2 - 6 x + 1}$$

Sequence: A266507
Score: 7.88931
Type of gen. func.: ogf

$$-(513 f(x) - 514) (f(x) x^2 - 6 f(x) x + f(x) + 4 x - 2)$$

Sequence: A266507
Score: 8.94762
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + a(n), a(0) = 2, a(1) = 8\}$$

Sequence: A266508
Score: 10.9063
Type of gen. func.: ogf

$$-\frac{10 x^2 - x - 1}{(x - 1) (10 x - 1) (x + 1)}$$

Sequence: A266508
Score: 5.81671
Type of gen. func.: ogf

$$(1654 f(x) - 3885) (10 f(x) x^3 - f(x) x^2 - 10 f(x) x + 10 x^2 + f(x) - x - 1)$$

Sequence: A266508
Score: 5.96585
Type of gen. func.: ogf

$$\{a(n + 3) - 10 a(n + 2) - a(n + 1) + 10 a(n), a(0) = 1, a(1) = 11, a(2) = 101\}$$

Sequence: A266508
Score: 6.46301
Type of gen. func.: lgdogf

$$-\frac{-100 x^4 + 20 x^3 - 71 x^2 + 18 x - 11}{-100 x^5 + 20 x^4 + 109 x^3 - 21 x^2 - 9 x + 1}$$

Sequence: A266515
Score: 5.34910
Type of gen. func.: ogf

$$\frac{1100000 x^5 - 10000 x^4 - 990000 x^3 + 10001 x^2 - 11 x - 1}{(x - 1) (10 x + 1) (100 x - 1) (100 x + 1) (10 x - 1) (x + 1)}$$

Sequence: A266516
Score: 8.17272
Type of gen. func.: ogf

$$\frac{96 x^5 - 16 x^4 - 48 x^3 + 17 x^2 - 3 x - 1}{(x - 1) (4 x - 1) (2 x + 1) (2 x - 1) (4 x + 1) (x + 1)}$$

Sequence: A266527
Score: 3.91417
Type of gen. func.: ogf

$$\frac{10 x^8 - 130 x^7 - 1009 x^6 + 2168 x^5 + 2134 x^4 - 272 x^3 - 158 x^2 - 8 x + 1}{(x + 1) (x^2 + 7 x + 1) (x^2 - 3 x + 1) (x^2 - 18 x + 1)}$$

Sequence: A266542
Score: 9.50943
Type of gen. func.: ogf

$$-\frac{2 x^4 - 3 x^3 + x^2 - x + 2}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A266550
Score: 13.4637
Type of gen. func.: ogf

$$\frac{x^3 + x^2 - 2 x + 1}{(2 x - 1) (x - 1)}$$

Sequence: A266550
Score: 7.20426
Type of gen. func.: ogf

{-a(n + 4) + 3 a(n + 3) - 2 a(n + 2), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 5}

Sequence: A266550
Score: 8.13154
Type of gen. func.: ogf

$$(7 f(x) - 4) (2 f(x) x^2 - x^3 - 3 f(x) x - x^2 + f(x) + 2 x - 1)$$

Sequence: A266550
Score: 8.55506
Type of gen. func.: lgdogf

$$- \frac{-2 x^4 + 6 x^3 - 4 x^2 + 2 x - 1}{2 x^5 - x^4 - 6 x^3 + 9 x^2 - 5 x + 1}$$

Sequence: A266561
Score: 16.2264
Type of gen. func.: lgdogf

$$- \frac{12 x + 14}{x^2 - 1}$$

Sequence: A266561
Score: 33.5576

Type of gen. func.: ogf_with_Euler_transform]

$$[14 - x]$$

Sequence: A266561
Score: 4.63611
Type of gen. func.: ogf

$$-\frac{x + 1}{(x - 1)^{13}}$$

Sequence: A266561
Score: 5.36988
Type of gen. func.: ogf

$$\{(-3 - n) a(n + 3) + 14 a(n + 2) + (13 + n) a(n + 1), a(0) = 1, a(1) = 14, a(2) = 104\}$$

Sequence: A266575
Score: 13.6536
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{5 x^2 + 3 x + 2}{-x^3 - x^2 - x - 1}$$

Sequence: A266589
Score: 4.26730
Type of gen. func.: ogf

$$(1010100000 x^7 - 10100000 x^6 - 1009091010 x^5 + 10091010 x^4 - 898991 x^3 + 8991 x^2 - 10 x - 1)/((x - 1) (10 x + 1) (100 x - 1) (100 x + 1) (10 x - 1) (x + 1))$$

Sequence: A266590
Score: 6.49352
Type of gen. func.: ogf

$$\frac{672 x^7 - 160 x^6 - 602 x^5 + 154 x^4 - 23 x^3 + 7 x^2 - 2 x - 1}{(x - 1) (4 x - 1) (2 x + 1) (2 x - 1) (4 x + 1) (x + 1)}$$

Sequence: A266591
Score: 11.1779
Type of gen. func.: ogf

$$f(x) x^2 - x^3 - f(x) + x + 1$$

Sequence: A266591
Score: 12.0904
Type of gen. func.: ogf

$$\frac{x^3 - x - 1}{(x - 1) (x + 1)}$$

Sequence: A266591
Score: 6.23609
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 2), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 0\}$$

Sequence: A266592
Score: 11.0794
Type of gen. func.: ogf

$$- \frac{x^3 - x - 1}{(x - 1) (10 x - 1) (x + 1)}$$

Sequence: A266592
Score: 4.98575
Type of gen. func.: ogf

$$\{a(n + 4) - 10 a(n + 3) - a(n + 2) + 10 a(n + 1), a(0) = 1, a(1) = 11, a(2) = 111, a(3) = 1110\}$$

Sequence: A266592
Score: 5.58405
Type of gen. func.: ogf

$$-(12200 f(x) + 26983) (10 f(x) x^3 - f(x) x^2 + x^3 - 10 f(x) x + f(x) - x - 1)$$

Sequence: A266592
Score: 6.91094
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 32 x^2 - 2 x - 11}{-10 x^6 + x^5 + 20 x^4 + 8 x^3 - 11 x^2 - 9 x + 1}$$

Sequence: A266593
Score: 11.1311
Type of gen. func.: ogf

$$\frac{3 x^5 - 2 x^4 + x^2 + x + 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A266594
Score: 8.96448
Type of gen. func.: ogf

$$-\frac{3 x^5 - 2 x^4 + x^2 + x + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A266595
Score: 10.4973
Type of gen. func.: ogf

$$-\frac{x (3 x^4 - 2 x^3 - x^2 - 2 x - 2)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A266596
Score: 8.43175
Type of gen. func.: ogf

$$\frac{x\,(3\,x^{4} - 2\,x^{3} - x^{2} - 2\,x - 2)}{(x + 1)^{2}\,(x - 1)^{3}}$$

Sequence: A266606
Score: 5.70848
Type of gen. func.: ogf

$$\frac{20000\,x^{5} - 10000\,x^{4} - 9891\,x^{3} + 10001\,x^{2} - 110\,x - 1}{(x - 1)\,(100\,x - 1)\,(100\,x + 1)\,(x + 1)\,(10\,x^{2} - 1)}$$

Sequence: A266607
Score: 8.08419
Type of gen. func.: ogf

$$\frac{32\,x^{5} - 16\,x^{4} - 11\,x^{3} + 17\,x^{2} - 6\,x - 1}{(x - 1)\,(4\,x - 1)\,(4\,x + 1)\,(x + 1)\,(2\,x^{2} - 1)}$$

Sequence: A266609
Score: 5.33045
Type of gen. func.: ogf

$$\frac{110111000\,x^{5} - 1010000\,x^{4} + 1100100\,x^{3} - 9899\,x^{2} + 1}{(x - 1)\,(100\,x - 1)\,(100\,x + 1)\,(x + 1)\,(x^{2} + 1)}$$

Sequence: A266610
Score: 8.19612
Type of gen. func.: ogf

5 4 3 2

$$\frac{440 x - 80 x + 100 x - 11 x + 1}{(x - 1) (4 x - 1) (4 x + 1) (x + 1) (x^2 + 1)}$$

Sequence: A266611
Score: 11.0938
Type of gen. func.: ogf

$$- \frac{x^5 - x^4 + 1}{(x - 1) (x + 1)}$$

Sequence: A266611
Score: 7.44271
Type of gen. func.: ogf

$$(f(x) - 1) (x^5 - x^4 + f(x) x^2 - f(x) + 1)$$

Sequence: A266612
Score: 10.4180
Type of gen. func.: ogf

$$\frac{x^5 - x^4 + 1}{(x - 1) (10 x - 1) (x + 1)}$$

Sequence: A266612
Score: 4.03471
Type of gen. func.: ogf

{a(n + 4) - 10 a(n + 3) - a(n + 2) + 10 a(n + 1), a(0) = 1, a(1) = 10,

a(2) = 101, a(3) = 1010, a(4) = 10100, a(5) = 101001}

Sequence: A266613
Score: 12.3694
Type of gen. func.: ogf

$$\frac{x^5 - x^4 + 1}{(x + 1) (2 x - 1) (x - 1)}$$

Sequence: A266613
Score: 5.05667
Type of gen. func.: ogf

{-a(n + 4) + 2 a(n + 3) + a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 5,

a(3) = 10, a(4) = 20, a(5) = 41}

Sequence: A266614
Score: 9.50931
Type of gen. func.: ogf

$$\frac{5 x^5 - 2 x^4 + 3 x^3 + x^2 + 1}{(x^2 + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A266615
Score: 7.34255
Type of gen. func.: ogf

$$-\frac{5 x^5 - 2 x^4 + 3 x^3 + x^2 + 1}{(x^2 + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A266616
Score: 9.50931
Type of gen. func.: ogf

$$-\frac{x (4 x^4 - 5 x^3 - x^2 - 3 x - 3)}{(x^2 + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A266617
Score: 7.30814
Type of gen. func.: ogf

$$\frac{x (4 x^4 - 5 x^3 - x^2 - 3 x - 3)}{}$$

$$(x^2 + 1) (x + 1)^2 (x - 1)^3$$

Sequence: A266648
Score: 13.5581
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^5 + x^4 + x^3 + 2 x^2 + x + 1}{x^6 - 1}$$

Sequence: A266660
Score: 5.77982
Type of gen. func.: ogf

$$\frac{100000 x^5 - 100000 x^4 + 10990 x^3 - 9990 x^2 + 110 x + 1}{(x - 1) (100 x - 1) (100 x + 1) (x + 1)}$$

Sequence: A266661
Score: 8.80156
Type of gen. func.: ogf

$$\frac{32 x^5 - 32 x^4 + 22 x^3 - 14 x^2 + 6 x + 1}{(x - 1) (4 x - 1) (4 x + 1) (x + 1)}$$

Sequence: A266662
Score: 11.1896
Type of gen. func.: ogf

$$\frac{x^5 - x^4 + x^3 + 2 x + 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A266663
Score: 8.83710
Type of gen. func.: ogf

5   4   3

$$-\frac{x - x + x + 2 x + 1}{(x + 1)^{2} (x - 1)^{3}}$$

Sequence: A266664
Score: 11.7144
Type of gen. func.: ogf

$$-\frac{x (x^{4} - x^{3} - 3 x - 1)}{(x - 1)^{2} (x + 1)^{2}}$$

Sequence: A266665
Score: 9.14504
Type of gen. func.: ogf

$$\frac{x (x^{4} - x^{3} - 3 x - 1)}{(x + 1)^{2} (x - 1)^{3}}$$

Sequence: A266667
Score: 5.41509
Type of gen. func.: ogf

$$\frac{20000 x^{4} + 1000 x^{3} - 8891 x^{2} + 111 x + 1}{(x - 1) (10 x + 1) (100 x - 1) (100 x + 1) (x + 1)}$$

Sequence: A266668
Score: 8.00593
Type of gen. func.: ogf

$$\frac{32 x^{4} + 8 x^{3} - 3 x^{2} + 7 x + 1}{(x - 1) (4 x - 1) (2 x + 1) (4 x + 1) (x + 1)}$$

Sequence: A266670
Score: 5.37053
Type of gen. func.: ogf

$$\frac{2000000 x^5 - 10000 x^4 - 890100 x^3 + 10001 x^2 - 11 x - 1}{(x - 1) (100 x - 1) (100 x + 1) (x + 1) (1000 x^2 - 1)}$$

Sequence: A266671
Score: 7.65700
Type of gen. func.: ogf

$$\frac{128 x^5 - 16 x^4 - 20 x^3 + 17 x^2 - 3 x - 1}{(x - 1) (4 x - 1) (4 x + 1) (x + 1) (8 x^2 - 1)}$$

Sequence: A266674
Score: 3.92443
Type of gen. func.: ogf

$$(2048 x^{10} - 1472 x^8 - 128 x^7 + 248 x^6 + 64 x^5 - 40 x^3 + 17 x^2 - x - 1) \Big/ \Big((x - 1) (4 x - 1) (2 x - 1) (4 x + 1) (x + 1) (4 x^2 + 2 x + 1) (8 x^2 - 1) (2 x^2 - 1)\Big)$$

Sequence: A266677
Score: 10.9157
Type of gen. func.: lgdogf

$$-\frac{12 x^2 - 14 x + 6}{3 x^3 - x^2 - 3 x + 1}$$

Sequence: A266677
Score: 3.79175
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) - 3 n a(n + 3) + (-15 - n) a(n + 2) + (12 + 3 n) a(n + 1),$$
$$a(0) = 0, a(1) = -1, a(2) = 6, a(3) = -16\}$$

Sequence: A266677
Score: 9.86895
Type of gen. func.: ogf

$$-\frac{x (3 x - 1)}{(x - 1) (x + 1)^4}$$

Sequence: A266678
Score: 13.5975
Type of gen. func.: ogf

$$-x^3 - f(x) x + x^2 + f(x) - 1$$

Sequence: A266678
Score: 15.8175
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 + 1}{x - 1}$$

Sequence: A266678
Score: 8.15849
Type of gen. func.: ogf

{a(n + 4) - a(n + 3), a(0) = 1, a(1) = 1, a(2) = 0, a(3) = 1}

Sequence: A266678
Score: 9.68821
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 4 x^2 + 2 x - 1}{-x^4 + 2 x^3 - x^2 - x + 1}$$

Sequence: A266680
Score: 11.8306
Type of gen. func.: ogf

$$\frac{x^{3} - x^{2} + 1}{(10\ x - 1)\ (x - 1)}$$

Sequence: A266680
Score: 5.72135
Type of gen. func.: ogf

{a(n + 4) - 11 a(n + 3) + 10 a(n + 2), a(0) = 1, a(1) = 11, a(2) = 110,

a(3) = 1101}

Sequence: A266680
Score: 6.46302
Type of gen. func.: ogf

$$-(992\ f(x) + 1307)\ (10\ f(x)\ x^{2} - x^{3} - 11\ f(x)\ x + x^{2} + f(x) - 1)$$

Sequence: A266680
Score: 6.64767
Type of gen. func.: lgdogf

$$-\frac{-10\ x^{4} + 22\ x^{3} - 14\ x^{2} + 22\ x - 11}{10\ x^{5} - 21\ x^{4} + 12\ x^{3} + 9\ x^{2} - 11\ x + 1}$$

Sequence: A266684
Score: 10.3416
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4\ x^{3} - 3\ x^{2} + 4\ x + 1}{-x^{4} + x^{3} - x + 1}$$

Sequence: A266698
Score: 12.1171
Type of gen. func.: lgdogf

$$-\frac{-x^2 + 2x - 15}{-x^3 + 17x^2 - 17x + 1}$$

Sequence: A266698
Score: 17.6488
Type of gen. func.: ogf

$$-\frac{3(x - 1)}{x^2 - 16x + 1}$$

Sequence: A266698
Score: 8.7295
Type of gen. func.: ogf

$$-(238 f(x) - 39) (f(x) x^2 - 16 f(x) x + f(x) + 3 x - 3)$$

Sequence: A266698
Score: 9.66480
Type of gen. func.: ogf

$\{a(n + 2) - 16 a(n + 1) + a(n), a(0) = 3, a(1) = 45\}$

Sequence: A266699
Score: 10.9810
Type of gen. func.: ogf

$$\frac{8x^3 - 17x^2 - 3x + 4}{(x + 1)(x^2 - 3x + 1)}$$

Sequence: A266699
Score: 5.77948
Type of gen. func.: ogf

$\{-a(n + 4) + 2 a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 4, a(1) = 5, a(2) = 1,$

$a(3) = 16\}$

Sequence: A266699
Score: 5.95869
Type of gen. func.: ogf

$$(22543 f(x) - 123431)$$

$$(f(x) x^3 - 2 f(x) x^2 - 8 x^3 - 2 f(x) x + 17 x^2 + f(x) + 3 x - 4)$$

Sequence: A266699
Score: 6.86313
Type of gen. func.: lgdogf

$$- \frac{-x^4 + 26 x^3 - 40 x^2 + 18 x - 5}{8 x^6 - 33 x^5 + 15 x^4 + 52 x^3 - 19 x^2 - 11 x + 4}$$

Sequence: A266700
Score: 11.3650
Type of gen. func.: ogf

$$\frac{2 x (4 x - 5)}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A266700
Score: 5.53922
Type of gen. func.: ogf

$$-(14767 f(x) + 6808) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x - 8 x^2 + f(x) + 10 x)$$

Sequence: A266700
Score: 5.83335
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = -10, a(2) = -12\}$$

Sequence: A266700

Score: 7.84724
Type of gen. func.: lgdogf

$$-\frac{-8x^3+23x^2-20x-6}{-4x^4+13x^3-2x^2-14x+5}$$

Sequence: A266701
Score: 10.6236
Type of gen. func.: ogf

$$\frac{18x^3-35x^2-7x+9}{(x+1)(x^2-3x+1)}$$

Sequence: A266701
Score: 5.62892
Type of gen. func.: ogf

$$\{a(n+4)-2a(n+3)-2a(n+2)+a(n+1),\ a(0)=9,\ a(1)=11,\ a(2)=5,\ a(3)=41\}$$

Sequence: A266701
Score: 5.7142
Type of gen. func.: ogf

$$(174161 f(x)-1949784)\,(f(x)x^3-2f(x)x^2-18x^3-2f(x)x+35x^2+f(x)+7x-9)$$

Sequence: A266702
Score: 4.74341
Type of gen. func.: ogf

$$\{a(n+4)-2a(n+3)-2a(n+2)+a(n+1),\ a(0)=3,\ a(1)=-25,\ a(2)=-35,\ a(3)=-117\}$$

Sequence: A266702
Score: 4.88714

Type of gen. func.: ogf

$$-\frac{18228 f(x) - 56809}{f(x) x^3 - 2 f(x) x^2 - 6 x^3 - 2 f(x) x - 9 x^2 + f(x) + 31 x - 3}$$

Sequence: A266702
Score: 9.21577
Type of gen. func.: ogf

$$\frac{6 x^3 + 9 x^2 - 31 x + 3}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A266703
Score: 9.06986
Type of gen. func.: ogf

$$\frac{2 x^5 - 4 x^4 + 14 x^3 - 39 x^2 - 7 x + 9}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A266704
Score: 7.58043
Type of gen. func.: ogf

$$\frac{34 x^5 - 68 x^4 - 74 x^3 + 61 x^2 - 13 x - 3}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A266705
Score: 10.9678
Type of gen. func.: ogf

$$\frac{2 x^3 - 13 x^2 + 9 x + 1}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A266705
Score: 5.68699
Type of gen. func.: ogf

$$\{-a(n + 4) + 2 a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 11, a(2) = 11, a(3) = 45\}$$

Sequence: A266705
Score: 5.86064
Type of gen. func.: ogf

$$-(8784 f(x) - 19069)$$

$$(f(x) x^3 - 2 f(x) x^2 - 2 x^3 - 2 f(x) x + 13 x^2 + f(x) - 9 x - 1)$$

Sequence: A266705
Score: 6.85486
Type of gen. func.: lgdogf

$$-\frac{-9 x^4 + 26 x^3 - 47 x^2 + 22 x - 11}{2 x^6 - 17 x^5 + 31 x^4 + 11 x^3 - 33 x^2 + 7 x + 1}$$

Sequence: A266706
Score: 4.79132
Type of gen. func.: ogf

$$\{-a(n + 4) + 2 a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 1, a(1) = -23, a(2) = -45, a(3) = -135\}$$

Sequence: A266706
Score: 4.97419
Type of gen. func.: ogf

$$(252659 f(x) - 1682579)$$

$$(f(x) x^3 - 2 f(x) x^2 - 2 x^3 - 2 f(x) x + x^2 + f(x) + 25 x - 1)$$

Sequence: A266706

Score: 9.30886
Type of gen. func.: ogf

$$\frac{2x^3 - x^2 - 25x + 1}{(x + 1)(x^2 - 3x + 1)}$$

Sequence: A266707
Score: 11.2880
Type of gen. func.: ogf

$$\frac{2x^3 - 8x^2 + 3x + 1}{(x + 1)(x^2 - 3x + 1)}$$

Sequence: A266707
Score: 5.85620
Type of gen. func.: ogf

$\{a(n + 4) - 2 a(n + 3) - 2 a(n + 2) + a(n + 1), a(0) = 1, a(1) = 5, a(2) = 4, a(3) = 19\}$

Sequence: A266707
Score: 5.9456
Type of gen. func.: ogf

$-(17803 f(x) - 32339)$

$(f(x) x^3 - 2 f(x) x^2 - 2 x^3 - 2 f(x) x + 8 x^2 + f(x) - 3 x - 1)$

Sequence: A266707
Score: 7.01689
Type of gen. func.: lgdogf

$$-\frac{-4x^4 + 14x^3 - 25x^2 + 12x - 5}{2x^6 - 12x^5 + 15x^4 + 13x^3 - 16x^2 + x + 1}$$

Sequence: A266708
Score: 11.4786
Type of gen. func.: ogf

$$\frac{2 x (x - 5)}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A266708
Score: 5.7393
Type of gen. func.: ogf

$$(11647 f(x) - 22538) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x - 2 x^2 + f(x) + 10 x)$$

Sequence: A266708
Score: 5.89168
Type of gen. func.: ogf

$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 0, a(1) = -10, a(2) = -18\}$

Sequence: A266708
Score: 8.02120
Type of gen. func.: lgdogf

$$- \frac{-2 x^3 + 17 x^2 - 20 x - 9}{-x^4 + 7 x^3 - 8 x^2 - 11 x + 5}$$

Sequence: A266709
Score: 10.6151
Type of gen. func.: ogf

$$\frac{5 x^2 - 11 x - 7}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A266709
Score: 5.26508
Type of gen. func.: ogf

$-(57847 f(x) - 121935)$

$$(f(x) x^3 - 2 f(x) x^2 - 2 f(x) x - 5 x^2 + f(x) + 11 x + 7)$$

Sequence: A266709
Score: 5.77312
Type of gen. func.: ogf

$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = -7, a(1) = -25, a(2) = -59\}$

Sequence: A266710
Score: 5.69863
Type of gen. func.: ogf

$$-\frac{18 x^7 - 92 x^6 - 260 x^5 + 301 x^4 + 46 x^3 + x^2 + 6 x - 1}{(x - 1) (x^2 + 3 x + 1) (x^2 - 7 x + 1)}$$

Sequence: A266711
Score: 5.25477
Type of gen. func.: ogf

$$\frac{2 (18 x^7 - 88 x^6 - 280 x^5 + 237 x^4 + 156 x^3 - 49 x^2 - 16 x + 3)}{(x - 1) (x^2 + 3 x + 1) (x^2 - 7 x + 1)}$$

Sequence: A266712
Score: 5.28858
Type of gen. func.: ogf

$$-\frac{14 x^7 - 56 x^6 - 280 x^5 + 7 x^4 + 180 x^3 + 103 x^2 + 18 x - 5}{(x - 1) (x^2 + 3 x + 1) (x^2 - 7 x + 1)}$$

Sequence: A266713
Score: 5.19294
Type of gen. func.: ogf

$$-\frac{2\,(2\,x^7-12\,x^6-20\,x^5+57\,x^4-22\,x^3-21\,x^2-4\,x+1)}{(x-1)\,(x^2+3\,x+1)\,(x^2-7\,x+1)}$$

Sequence: A266717
Score: 5.20692
Type of gen. func.: ogf

$$-\frac{1000000\,x^6-110000\,x^5-990100\,x^4+99900\,x^3-9901\,x^2+101\,x+1}{(x-1)\,(100\,x-1)\,(100\,x+1)\,(x+1)\,(10\,x^2-1)}$$

Sequence: A266718
Score: 7.58749
Type of gen. func.: ogf

$$-\frac{(2\,x-1)\,(32\,x^5-8\,x^4-30\,x^3-x^2-7\,x-1)}{(x-1)\,(4\,x-1)\,(4\,x+1)\,(x+1)\,(2\,x^2-1)}$$

Sequence: A266719
Score: 11.1779
Type of gen. func.: ogf

$$\frac{x^4-x^3-1}{(x-1)\,(x+1)}$$

Sequence: A266719
Score: 7.13769
Type of gen. func.: ogf

$$-(f(x)+3)\,(-x^4+f(x)\,x^2+x^3-f(x)+1)$$

Sequence: A266720
Score: 10.4180
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 - 1}{(x - 1)(10 x - 1)(x + 1)}$$

Sequence: A266720
Score: 4.71625
Type of gen. func.: ogf

{a(n + 3) - 10 a(n + 2) - a(n + 1) + 10 a(n), a(0) = 1, a(1) = 10, a(2) = 101,

a(3) = 1011, a(4) = 10110}

Sequence: A266720
Score: 5.49611
Type of gen. func.: ogf

$$(50596 f(x) + 1822333) (10 f(x) x^3 + x^4 - f(x) x^2 - x^3 - 10 f(x) x + f(x) - 1)$$

Sequence: A266721
Score: 12.3694
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 - 1}{(x + 1)(2 x - 1)(x - 1)}$$

Sequence: A266721
Score: 5.50692
Type of gen. func.: ogf

{a(n + 5) - 2 a(n + 4) - a(n + 3) + 2 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 5,

a(3) = 11, a(4) = 22}

Sequence: A266721
Score: 6.81365
Type of gen. func.: ogf

$$(24 f(x) + 293) (2 f(x) x^3 + x^4 - f(x) x^2 - x^3 - 2 f(x) x + f(x) - 1)$$

Sequence: A266722
Score: 12.3290
Type of gen. func.: ogf

$$-\frac{(x^2+1)(x^2-2x-1)}{(x-1)^2(x+1)^2}$$

Sequence: A266722
Score: 7.63223
Type of gen. func.: ogf

$$-(3f(x)-2)(f(x)x^4+x^4-2f(x)x^2-2x^3+f(x)-2x-1)$$

Sequence: A266723
Score: 9.76225
Type of gen. func.: ogf

$$\frac{(x^2+1)(x^2-2x-1)}{(x+1)^2(x-1)^3}$$

Sequence: A266724
Score: 11.7144
Type of gen. func.: ogf

$$\frac{x(x^3-x^2+3x+1)}{(x-1)^2(x+1)^2}$$

Sequence: A266724
Score: 7.698
Type of gen. func.: ogf

$$(2f(x)+7)(f(x)x^4-x^4-2f(x)x^2+x^3-3x^2+f(x)-x)$$

Sequence: A266725
Score: 8.39081
Type of gen. func.: lgdogf

$$-\frac{-2x^4+2x^3-14x^2-6x-4}{-x^5+x^4-2x^3-2x^2+3x+1}$$

Sequence: A266725
Score: 9.14504
Type of gen. func.: ogf

$$-\frac{x(x^3-x^2+3x+1)}{(x+1)^2(x-1)^3}$$

Sequence: A266732
Score: 10.9096
Type of gen. func.: ogf

$$\frac{10x}{(x-1)^6}$$

Sequence: A266732
Score: 28.4428
Type of gen. func.: lgdogf

$$\frac{6}{-x+1}$$

Sequence: A266732
Score: 60.7619
Type of gen. func.: ogf_with_Euler_transform]

[6]

Sequence: A266732
Score: 7.65767
Type of gen. func.: ogf

$$\{(n + 1) a(n + 2) + (-6 - n) a(n + 1), a(0) = 0, a(1) = 10\}$$

Sequence: A266733
Score: 28.2078
Type of gen. func.: lgdogf

$$\frac{8}{-x + 1}$$

Sequence: A266733
Score: 60.1751
Type of gen. func.: ogf_with_Euler_transform]

$$[8]$$

Sequence: A266733
Score: 7.59440
Type of gen. func.: ogf

$$\{(n + 1) a(n + 2) + (-8 - n) a(n + 1), a(0) = 0, a(1) = 21\}$$

Sequence: A266733
Score: 8.67932
Type of gen. func.: ogf

$$\frac{21 x}{(x - 1)^8}$$

Sequence: A266744
Score: 12.1168
Type of gen. func.: ogf

$$- 1/((x + 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x - 1)^5)$$

Sequence: A266744
Score: 25.2233
Type of gen. func.: ogf_with_Euler_transform]

$$x^6 + x^4 + x^3 + x^2 + 1$$

Sequence: A266745
Score: 4.33556
Type of gen. func.: ogf

$$1/((x^6 + x^3 + 1)\ (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\ (x^2 + x + 1)^2\ (x^4 + x^3 + x^2 + x + 1)^2\ (x - 1)^6\ )$$

Sequence: A266746
Score: 18.4465
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} + x^8 + x^6 + x^5 + x^4 + x^2 + 1$$

Sequence: A266748
Score: 18.8532
Type of gen. func.: ogf_with_Euler_transform]

$$x^7 + \frac{x^{16}}{x^2 - 1} - \frac{1}{x^2 - 1}$$

Sequence: A266749
Score: 18.5831
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{1}{x^2 - 1} + x^8 + \frac{x^{18}}{x^2 - 1}$$

Sequence: A266750

Score: 18.5831
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{1}{x^2-1}+x^9+\frac{x^{20}}{x^2-1}$$

Sequence: A266751
Score: 18.3546
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{1}{x^2-1}+x^{10}+\frac{x^{22}}{x^2-1}$$

Sequence: A266752
Score: 11.3458
Type of gen. func.: ogf

$$\frac{10\,x^2-x+1}{(100\,x-1)\,(x-1)}$$

Sequence: A266752
Score: 5.87550
Type of gen. func.: ogf

$$\{-a(n+3)+101\,a(n+2)-100\,a(n+1),\ a(0)=1,\ a(1)=100,\ a(2)=10010\}$$

Sequence: A266752
Score: 6.58056
Type of gen. func.: ogf

$$(1+124\,f(x))\,(100\,f(x)\,x^2-101\,f(x)\,x-10\,x^2+f(x)+x-1)$$

Sequence: A266752
Score: 7.47791
Type of gen. func.: lgdogf

$$-\frac{910 x^2 + 180 x - 100}{1000 x^4 - 1110 x^3 + 211 x^2 - 102 x + 1}$$

Sequence: A266753
Score: 13.5436
Type of gen. func.: ogf

$$\frac{2 x^2 - x + 1}{(4 x - 1) (x - 1)}$$

Sequence: A266753
Score: 6.96903
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 4, a(2) = 18\}$$

Sequence: A266753
Score: 7.55589
Type of gen. func.: ogf

$$(63 + 65 f(x)) (4 f(x) x^2 - 5 f(x) x - 2 x^2 + f(x) + x - 1)$$

Sequence: A266753
Score: 9.70014
Type of gen. func.: lgdogf

$$-\frac{6 x^2 + 4 x - 4}{8 x^4 - 14 x^3 + 11 x^2 - 6 x + 1}$$

Sequence: A266755
Score: 11.4365
Type of gen. func.: lgdogf

$$-\frac{-9 x^5 - 9 x^4 - 11 x^3 - 5 x^2 - 2 x}{^6 \quad ^5 \quad ^4 \quad ^2}$$

$$-x - x - x + x + x + 1$$

Sequence: A266755
Score: 15.8232
Type of gen. func.: ogf

$$-\frac{1}{(x^2 + x + 1)\,(x^2 + 1)\,(x + 1)^2\,(x - 1)^3}$$

Sequence: A266755
Score: 39.7245
Type of gen. func.: ogf_with_Euler_transform]

$$x^3 + x^2 + x$$

Sequence: A266758
Score: 8.54464
Type of gen. func.: lgdegf]

$$-\frac{2\,x - 1}{(x^2 - 6\,x + 1)^{1/2}\,(3\,x + 2)\,x} - \frac{1}{(3\,x + 2)\,x}$$

Sequence: A266758
Score: 9.8938
Type of gen. func.: egf]

$$-3\,x^4 + 10\,f(x)\,x^2 - 2\,x^3 - 8\,f(x)^2 + 2\,f(x)\,x$$

Sequence: A266759
Score: 23.0924
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^4 - 2\,x^3 + 2\,x^2 - x + 5$$

Sequence: A266759

Score: 6.11215
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1)(x^2 + 1)^2 (x + 1)^4}{(x^2 + x + 1)(x^4 + x^3 + x^2 + x + 1)(x - 1)^4}$$

Sequence: A266760
Score: 22.9902
Type of gen. func.: ogf_with_Euler_transform]

$$-x^7 + x^6 - x^5 + x^2 - x + 6$$

Sequence: A266760
Score: 6.12173
Type of gen. func.: ogf

$$-\frac{(x^2 + 1)(x^2 - x + 1)(x^4 + 1)(x + 1)^3}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^5}$$

Sequence: A266761
Score: 4.72154
Type of gen. func.: ogf

$$(x^4 - x^3 + x^2 - x + 1)(x^4 + 1)(x^2 + 1)^2 (x^2 - x + 1)^2 (x + 1)^6 \Big/ \left((x^4 + x^3 + x^2 + x + 1)(x^6 + x^3 + 1)(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^6\right)$$

Sequence: A266768
Score: 21.4245
Type of gen. func.: ogf_with_Euler_transform]

$$x (x^6 + x^4 + x^3 + x^2 + 1)$$

Sequence: A266768
Score: 8.56376
Type of gen. func.: ogf

$$- 1/((x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x^2 + 1)^2 (x + 1)^4 (x - 1)^5)$$

Sequence: A266769
Score: 10.4864
Type of gen. func.: lgdogf

$$- \frac{-8 x^3 - 9 x^2 - 6 x - 1}{-x^4 - x^3 + x + 1}$$

Sequence: A266769
Score: 30.0448
Type of gen. func.: ogf_with_Euler_transform]

$$x^2 + 2 x + 1$$

Sequence: A266769
Score: 9.32123
Type of gen. func.: ogf

$$\frac{1}{(x^2 + x + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A266771
Score: 15.2942
Type of gen. func.: ogf_with_Euler_transform]

$$x^6 + x^5 + x^4 + 2 x^3 + x^2 + x + 1$$

Sequence: A266772
Score: 16.7277

Type of gen. func.: ogf_with_Euler_transform]

$$x^{8} + \frac{x^{17}}{x^{2} - 1} - \frac{x}{x^{2} - 1}$$

Sequence: A266774
Score: 16.7875
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x}{x^{2} - 1} + x^{10} + \frac{x^{21}}{x^{2} - 1}$$

Sequence: A266776
Score: 17.7245
Type of gen. func.: ogf_with_Euler_transform]

$$x (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)$$

Sequence: A266777
Score: 28.5100
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(- \frac{1}{x^{8}} + 1\right) x^{9}}{x - 1}$$

Sequence: A266778
Score: 19.9918
Type of gen. func.: ogf_with_Euler_transform]

$$x (x^{2} + x + 1) (x^{6} + x^{3} + 1)$$

Sequence: A266779
Score: 26.2077
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(-\frac{1}{x^{10}}+1\right)x^{11}}{x-1}$$

Sequence: A266780
Score: 26.4967
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(-\frac{1}{x^{11}}+1\right)x^{12}}{x-1}$$

Sequence: A266781
Score: 26.5930
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(-\frac{1}{x^{12}}+1\right)x^{13}}{x-1}$$

Sequence: A266782
Score: 8.09632
Type of gen. func.: ogf

$$-\frac{(x^4-x^3+x^2-x+1)\,(x^2-x+1)\,(x+1)^3}{(x^6+x^3+1)\,(x-1)^3}$$

Sequence: A266788
Score: 5.19813
Type of gen. func.: ogf

$$-(256x^{10}-768x^9+112x^8+688x^7-328x^6-40x^5-28x^4+12x^3-13x^2+3x+1)\Big/\left((x-1)\,(4x-1)\,(4x+1)\,(x+1)\,(8x^2-1)\right)$$

Sequence: A266789
Score: 7.19136
Type of gen. func.: ogf

$$\frac{x^{12} - x^{10} - x^{9} + x^{8} + x^{3} - x - 1}{(x - 1) (x + 1)}$$

Sequence: A266791
Score: 8.06038
Type of gen. func.: ogf

$$- \frac{x^{12} - x^{10} - x^{9} + x^{8} + x^{3} - x - 1}{(x + 1) (2 x - 1) (x - 1)}$$

Sequence: A266792
Score: 8.37698
Type of gen. func.: ogf

$$- \frac{x^{8} - 2 x^{7} + x^{6} + x^{5} - x^{4} - x^{3} - 2 x - 1}{(x - 1)^{2} (x + 1)^{2}}$$

Sequence: A266793
Score: 7.09223
Type of gen. func.: ogf

$$\frac{x^{8} - 2 x^{7} + x^{6} + x^{5} - x^{4} - x^{3} - 2 x - 1}{(x + 1)^{2} (x - 1)^{3}}$$

Sequence: A266794
Score: 8.64531
Type of gen. func.: ogf

$$x (x^{7} - 2 x^{6} + x^{5} + x^{4} - x^{3} + 3 x + 1)$$

$$(x - 1)^2 (x + 1)^2$$

Sequence: A266795
Score: 7.20273
Type of gen. func.: ogf

$$-\frac{x (x^7 - 2 x^6 + x^5 + x^4 - x^3 + 3 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A266797
Score: 11.0217
Type of gen. func.: ogf

$$-\frac{2 (5 x - 1) (3 x - 1)}{(6 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A266797
Score: 5.86641
Type of gen. func.: ogf

$$-(122 f(x) - 153)$$

$$(48 f(x) x^3 - 44 f(x) x^2 + 12 f(x) x + 30 x^2 - f(x) - 16 x + 2)$$

Sequence: A266797
Score: 6.27098
Type of gen. func.: ogf

$$\{-a(n + 3) + 12 a(n + 2) - 44 a(n + 1) + 48 a(n), a(0) = 2, a(1) = 8, a(2) = 38$$

$$\}$$

Sequence: A266797
Score: 6.43747
Type of gen. func.: lgdogf

$$-\frac{-720 x^4 + 768 x^3 - 316 x^2 + 58 x - 4}{\quad^{5} \qquad^{4} \qquad^{3} \qquad^{2}}$$

$$-720 x + 1044 x - 580 x + 155 x - 20 x + 1$$

Sequence: A266799
Score: 7.23367
Type of gen. func.: ogf

$$-\frac{x^4 - 16 x^3 + 29 x^2 - 4 x + 1}{(x - 1) (x^2 + 3 x + 1) (x^2 - 7 x + 1)}$$

Sequence: A266800
Score: 6.74144
Type of gen. func.: ogf

$$-\frac{2 (3 x^4 - 43 x^3 + 41 x^2 + 14 x - 4)}{(x - 1) (x^2 + 3 x + 1) (x^2 - 7 x + 1)}$$

Sequence: A266801
Score: 7.30609
Type of gen. func.: ogf

$$-\frac{5 x^4 - 122 x^3 + 55 x^2 + 58 x - 7}{(x - 1) (x^2 + 3 x + 1) (x^2 - 7 x + 1)}$$

Sequence: A266802
Score: 6.49291
Type of gen. func.: ogf

$$\frac{2 (6 x^4 + 2 x^3 - 7 x^2 + 11 x - 1)}{(x - 1) (x^2 + 3 x + 1) (x^2 - 7 x + 1)}$$

Sequence: A266804
Score: 6.95012
Type of gen. func.: ogf

$$-\frac{x^4 - 10 x^3 - 19 x^2 - 76 x + 19}{(x - 1) (x^2 + 3 x + 1) (x^2 - 7 x + 1)}$$

Sequence: A266805
Score: 6.53614
Type of gen. func.: ogf

$$-\frac{2 (3 x^4 - 40 x^3 - 31 x^2 - 10 x - 7)}{(x - 1) (x^2 + 3 x + 1) (x^2 - 7 x + 1)}$$

Sequence: A266806
Score: 7.18507
Type of gen. func.: ogf

$$\frac{x^4 + 116 x^3 - 7 x^2 - 208 x + 13}{(x - 1) (x^2 + 3 x + 1) (x^2 - 7 x + 1)}$$

Sequence: A266807
Score: 6.11010
Type of gen. func.: ogf

$$\frac{2 (15 x^4 - 22 x^3 - 127 x^2 + 50 x - 1)}{(x - 1) (x^2 + 3 x + 1) (x^2 - 7 x + 1)}$$

Sequence: A266810
Score: 6.01561
Type of gen. func.: ogf

$$\frac{56 x^6 - 40 x^5 + 36 x^4 - 3 x^3 + 3 x^2 - 3 x - 1}{(x - 1) (4 x - 1) (2 x - 1) (x + 1) (x^2 + 1) (4 x^2 + 2 x + 1)}$$

Sequence: A266811

Score: 8.17633
Type of gen. func.: ogf

$$-\frac{2x^5+x^4+5x^3+3x^2+3x+1}{(x+1)(x^2+x+1)(x^2+1)(x-1)^3}$$

Sequence: A266813
Score: 8.01466
Type of gen. func.: ogf

$$-\frac{x^2(x^4+x^3+4x^2+x+2)}{(x+1)(x^2+x+1)(x^2+1)(x-1)^3}$$

Sequence: A266839
Score: 5.70623
Type of gen. func.: ogf

$$\frac{64x^9-192x^8+28x^7+172x^6+14x^5+6x^4+3x^3+15x^2-4x-1}{(x-1)(4x-1)(4x+1)(x+1)(8x^2-1)}$$

Sequence: A266841
Score: 6.20485
Type of gen. func.: ogf

$$\frac{110000x^5-x^3+x^2-10x-1}{(x-1)(10x+1)(100x-1)(100x+1)(10x-1)(x+1)}$$

Sequence: A266842
Score: 9.08435
Type of gen. func.: ogf

$$\frac{48x^5-x^3+x^2-2x-1}{(x-1)(4x-1)(2x+1)(2x-1)(4x+1)(x+1)}$$

Sequence: A266844
Score: 4.87449
Type of gen. func.: ogf

$$(364630 f(x) + 47739)$$

$$(100000 f(x) x^3 - 10000 f(x) x^2 - 10 f(x) x + 1000 x^2 + f(x) - 100 x - 1)$$

Sequence: A266844
Score: 5.14106
Type of gen. func.: ogf

$$\{-a(n + 3) + 10 a(n + 2) + 10000 a(n + 1) - 100000 a(n), a(0) = 1, a(1) = 110, a(2) = 10100\}$$

Sequence: A266844
Score: 8.65863
Type of gen. func.: ogf

$$-\frac{1000 x^2 - 100 x - 1}{(100 x - 1) (100 x + 1) (10 x - 1)}$$

Sequence: A266846
Score: 11.5471
Type of gen. func.: ogf

$$-\frac{8 x^2 - 4 x - 1}{(4 x + 1) (2 x - 1) (4 x - 1)}$$

Sequence: A266846
Score: 6.27126
Type of gen. func.: ogf

$$(94 f(x) + 123) (32 f(x) x^3 - 16 f(x) x^2 - 2 f(x) x + 8 x^2 + f(x) - 4 x - 1)$$

Sequence: A266846
Score: 6.32580
Type of gen. func.: ogf

$\{-a(n + 3) + 2 a(n + 2) + 16 a(n + 1) - 32 a(n), a(0) = 1, a(1) = 6, a(2) = 20\}$

Sequence: A266846
Score: 6.73581
Type of gen. func.: lgdogf

$$- \frac{256 x^4 - 256 x^3 - 16 x^2 + 16 x + 6}{256 x^5 - 256 x^4 + 16 x^3 + 32 x^2 - 2 x - 1}$$

Sequence: A266849
Score: 5.54935
Type of gen. func.: ogf

$$\frac{110000 x^5 - 10000 x^4 + 99 x^3 + 10001 x^2 - 110 x - 1}{(x - 1) (10 x + 1) (100 x - 1) (100 x + 1) (10 x - 1) (x + 1)}$$

Sequence: A266850
Score: 8.25875
Type of gen. func.: ogf

$$\frac{48 x^5 - 16 x^4 + 3 x^3 + 17 x^2 - 6 x - 1}{(x - 1) (4 x - 1) (2 x + 1) (2 x - 1) (4 x + 1) (x + 1)}$$

Sequence: A266872
Score: 4.26067
Type of gen. func.: ogf

$$-(19997999999980002 f(x) - 9994999999950001)$$

$$(10000 f(x) x^4 - 10001 f(x) x^2 - 1000 x^3 - 100 x^2 + f(x) - 10 x - 1)$$

Sequence: A266872
Score: 8.08987
Type of gen. func.: ogf

$$\frac{(10 x + 1) (100 x + 1)}{(x - 1) (100 x - 1) (100 x + 1) (x + 1)}$$

Sequence: A266873
Score: 11.5249
Type of gen. func.: ogf

$$\frac{(2 x + 1) (4 x^{2} + 1)}{(x - 1) (4 x - 1) (4 x + 1) (x + 1)}$$

Sequence: A266873
Score: 6.65663
Type of gen. func.: ogf

$$-(122850 f(x) - 44977) (16 f(x) x^{4} - 17 f(x) x^{2} - 8 x^{3} - 4 x^{2} + f(x) - 2 x - 1)$$

Sequence: A266883
Score: 8.01345
Type of gen. func.: lgdogf

$$- \frac{-x^{5} - 7 x^{4} - 7 x^{3} - 21 x^{2} - 8 x - 4}{-x^{6} - 3 x^{5} + x^{4} - x^{2} + 3 x + 1}$$

Sequence: A266883
Score: 9.89896
Type of gen. func.: ogf

$$- \frac{x^{4} + 3 x^{3} + 3 x + 1}{(x + 1)^{2} (x - 1)^{3}}$$

Sequence: A266912
Score: 7.05829
Type of gen. func.: ogf

$$2 x^{8} - 23 x^{7} - 11 x^{6} - 11 x^{5} - 11 x^{4} - 11 x^{3} - 11 x^{2} - 11 x - 13$$

$$- \frac{}{(x^4 + 1) (x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A266916
Score: 15.3917
Type of gen. func.: lgdogf

$$- \frac{-59 x + 61}{-59 x^2 + 119 x - 60}$$

Sequence: A266916
Score: 17.6841
Type of gen. func.: ogf

$$- \frac{59 x - 60}{(x - 1)^2}$$

Sequence: A266916
Score: 9.23502
Type of gen. func.: ogf

$$(2 f(x) + 3601) (f(x) x^2 - 2 f(x) x + f(x) + 59 x - 60)$$

Sequence: A266916
Score: 9.89465
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 60, a(1) = 61\}$$

Sequence: A266930
Score: 4.49215
Type of gen. func.: ogf

$$- \frac{x^{10} - 4 x^9 + 3 x^8 + 4 x^7 - 4 x^6 - x^5 + 6 x^3 + x^2 - 4 x + 2}{(x^2 + x + 1) (x + 1)^2 (x - 1)^7}$$

Sequence: A266936
Score: 8.76065
Type of gen. func.: ogf

$$-\frac{4x^5-3x^4-4x^3-2x^2+3x+4}{(x+1)(x^2+x+1)(x-1)^3}$$

Sequence: A266956
Score: 8.03938
Type of gen. func.: lgdogf

$$-\frac{x^5+3x^4+47x^3+21x^2+34x+2}{x^6+x^5+13x^4-13x^2-x-1}$$

Sequence: A266956
Score: 9.32226
Type of gen. func.: ogf

$$-\frac{x^4+x^3+14x^2+x+1}{(x+1)^2(x-1)^3}$$

Sequence: A266957
Score: 8.07759
Type of gen. func.: lgdogf

$$-\frac{x^5-13x^4-21x^3-55x^2-14x-6}{x^6-7x^5-7x^4+7x^2+7x-1}$$

Sequence: A266957
Score: 9.38043
Type of gen. func.: ogf

$$\frac{(x^2+x+1)(x^2-8x+1)}{}$$

$$(x+1)^2 (x-1)^3$$

Sequence: A266958
Score: 8.00349
Type of gen. func.: lgdogf

$$-\frac{x^5 - 9x^4 - 31x^3 - 45x^2 - 20x - 4}{x^6 - 5x^5 - 11x^4 + 11x^2 + 5x - 1}$$

Sequence: A266958
Score: 9.28064
Type of gen. func.: ogf

$$\frac{x^4 - 5x^3 - 10x^2 - 5x + 1}{(x+1)^2 (x-1)^3}$$

Sequence: A266959
Score: 4.95039
Type of gen. func.: ogf

{a(n + 4) - 12 a(n + 3) + 21 a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 12,

a(2) = 103, a(3) = 1004}

Sequence: A266959
Score: 5.05801
Type of gen. func.: ogf

$$-(21651381 f(x) + 41835860)$$

$$(10 f(x) x^3 - 21 f(x) x^2 + 10 x^3 + 12 f(x) x - 20 x^2 - f(x) + 1)$$

Sequence: A266959
Score: 6.91094
Type of gen. func.: lgdogf

$$10x^3 - 230x^2 + 70x - 12$$

$$-\frac{}{100 x^{5} - 310 x^{4} + 230 x^{3} - 10 x^{2} - 11 x + 1}$$

Sequence: A266959
Score: 9.97150
Type of gen. func.: ogf

$$-\frac{10 x^{3} - 20 x^{2} + 1}{(10 x - 1) (x - 1)^{2}}$$

Sequence: A266973
Score: 13.2310
Type of gen. func.: ogf

$$-\frac{13 x^{2} + 3 x + 1}{(x^{2} + 1) (x - 1)}$$

Sequence: A266973
Score: 7.01131
Type of gen. func.: ogf

$$-(f(x) - 25) (f(x) x^{3} - f(x) x^{2} + f(x) x + 13 x^{2} - f(x) + 3 x + 1)$$

Sequence: A266973
Score: 7.25950
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 4, a(2) = 16\}$$

Sequence: A266975
Score: 4.27309
Type of gen. func.: ogf

$$\{a(n + 4) - 10 a(n + 3) - 10000 a(n + 2) + 100000 a(n + 1), a(0) = 1,$$

$$a(1) = 110, a(2) = 11100, a(3) = 1101000\}$$

```
------------------------------------------------------------------------------

Sequence:  A266975
Score: 4.76852
Type of gen. func.: ogf


-(39821 f(x) + 9361)

                  3                2           3
    (100000 f(x) x  - 10000 f(x) x  + 10000 x  - 10 f(x) x + f(x) - 100 x - 1)



------------------------------------------------------------------------------

Sequence:  A266975
Score: 8.54618
Type of gen. func.: ogf


                                      3
                               10000 x  - 100 x - 1
                      - ----------------------------------
                        (100 x - 1) (100 x + 1) (10 x - 1)



------------------------------------------------------------------------------

Sequence:  A266976
Score: 11.4673
Type of gen. func.: ogf


                                     3
                                 16 x  - 4 x - 1
                        - -----------------------------
                          (4 x + 1) (2 x - 1) (4 x - 1)



------------------------------------------------------------------------------

Sequence:  A266976
Score: 5.35697
Type of gen. func.: ogf


{a(n + 4) - 2 a(n + 3) - 16 a(n + 2) + 32 a(n + 1), a(0) = 1, a(1) = 6,

    a(2) = 28, a(3) = 104}



------------------------------------------------------------------------------

Sequence:  A266976
Score: 6.27268
Type of gen. func.: ogf


                           3             2       3
 (61 f(x) + 129) (32 f(x) x  - 16 f(x) x  + 16 x  - 2 f(x) x + f(x) - 4 x - 1)



------------------------------------------------------------------------------

Sequence:  A266977
```

Score: 10.2677
Type of gen. func.: lgdogf

$$-\frac{x^3+x^2-4x-2}{x^5-2x^3-x^2+x+1}$$

Sequence: A266977
Score: 13.4659
Type of gen. func.: ogf

$$-\frac{x^3-x-1}{(x+1)(x-1)^2}$$

Sequence: A266977
Score: 6.22286
Type of gen. func.: ogf

{a(n + 4) - a(n + 3) - a(n + 2) + a(n + 1), a(0) = 1, a(1) = 2, a(2) = 3,

a(3) = 3}

Sequence: A266977
Score: 7.08118
Type of gen. func.: ogf

$$-(5 f(x) + 28) (f(x) x^3 - f(x) x^2 + x^3 - f(x) x + f(x) - x - 1)$$

Sequence: A266979
Score: 6.10428
Type of gen. func.: ogf

$$\frac{100000 x^5 + 100 x^3 + 10000 x^2 - 110 x - 1}{(x - 1) (10 x + 1) (100 x - 1) (100 x + 1) (10 x - 1) (x + 1)}$$

Sequence: A266980
Score: 9.12303
Type of gen. func.: ogf

$$\frac{32 x^{5} + 4 x^{3} + 16 x^{2} - 6 x - 1}{(x - 1) (4 x - 1) (2 x + 1) (2 x - 1) (4 x + 1) (x + 1)}$$

Sequence: A266981
Score: 10.0912
Type of gen. func.: lgdogf

$$- \frac{x^{4} + 9 x^{2} + 4 x + 2}{x^{5} + x^{3} + x^{2} - 2 x - 1}$$

Sequence: A266981
Score: 14.1632
Type of gen. func.: ogf

$$\frac{x^{3} + 2 x + 1}{(x - 1)^{2} (x + 1)^{2}}$$

Sequence: A266981
Score: 7.91472
Type of gen. func.: ogf

$$-(608 f(x) - 3235) (f(x) x^{4} - 2 f(x) x^{2} - x^{3} + f(x) - 2 x - 1)$$

Sequence: A266983
Score: 4.07989
Type of gen. func.: ogf

$$-(244420 f(x) + 1318211577502768211)$$

$$(10000 f(x) x^{4} + 1000 x^{4} - 10001 f(x) x^{2} - 1110 x^{3} - 999 x^{2} + f(x) - x - 1)$$

Sequence: A266983
Score: 6.96790
Type of gen. func.: ogf

$$-\frac{1000 x^4 - 1110 x^3 - 999 x^2 - x - 1}{(x - 1) (100 x - 1) (100 x + 1) (x + 1)}$$

Sequence: A266984
Score: 10.1173
Type of gen. func.: ogf

$$-\frac{(2 x + 1) (4 x^3 - 9 x^2 + x - 1)}{(x - 1) (4 x - 1) (4 x + 1) (x + 1)}$$

Sequence: A266984
Score: 6.25131
Type of gen. func.: ogf

-(180 f(x) + 458123)

$$(16 f(x) x^4 + 8 x^4 - 17 f(x) x^2 - 14 x^3 - 7 x^2 + f(x) - x - 1)$$

Sequence: A267002
Score: 5.43516
Type of gen. func.: ogf

$$\frac{1100000 x^5 - 10000 x^4 + 9990 x^3 + 10001 x^2 - 101 x - 1}{(x - 1) (100 x - 1) (100 x + 1) (x + 1) (1000 x^2 - 1)}$$

Sequence: A267003
Score: 7.76877
Type of gen. func.: ogf

$$\frac{(2 x + 1) (48 x^4 - 32 x^3 + 23 x^2 - 3 x - 1)}{(x - 1) (4 x - 1) (4 x + 1) (x + 1) (8 x^2 - 1)}$$

Sequence: A267017
Score: 7.78218
Type of gen. func.: ogf

$$-\frac{x\,(9x^8+8x^7+4x^6+3x^5+2x^4+7x^3+6x^2+5x+1)}{(x-1)\,(x^2+x+1)\,(x^6+x^3+1)}$$

Sequence: A267027
Score: 7.64008
Type of gen. func.: ogf

$$\frac{2x^5-x^4+3x^3-x^2+2x+1}{(x-1)^2\,(x^2+x+1)\,(x^2-x+1)}$$

Sequence: A267031
Score: 12.9662
Type of gen. func.: ogf

$$\frac{2x\,(5x^2+22x+5)}{(x-1)^4}$$

Sequence: A267031
Score: 14.2817
Type of gen. func.: lgdogf

$$-\frac{10x^2+76x+42}{5x^3+17x^2-17x-5}$$

Sequence: A267031
Score: 4.83056
Type of gen. func.: ogf

$\{(-15 - 5n)\,a(n + 4) + (8 - 17n)\,a(n + 3) + (93 + 17n)\,a(n + 2)$

$+ (10 + 5n)\,a(n + 1),\ a(0) = 0,\ a(1) = 10,\ a(2) = 84,\ a(3) = 286\}$

Sequence: A267031

Score: 6.84329
Type of gen. func.: ogf

$$(9440 f(x) + 169999)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 10 x^3 - 4 f(x) x - 44 x^2 + f(x) - 10 x)$$

Sequence: A267035
Score: 4.91615
Type of gen. func.: ogf

$$(2222 f(x) + 886342935522609)$$

$$(10000 f(x) x^4 - 10001 f(x) x^2 - 1100 x^3 + x^2 + f(x) - 11 x - 1)$$

Sequence: A267035
Score: 8.30000
Type of gen. func.: ogf

$$\frac{1100 x^3 - x^2 + 11 x + 1}{(x - 1) (100 x - 1) (100 x + 1) (x + 1)}$$

Sequence: A267036
Score: 11.7674
Type of gen. func.: ogf

$$\frac{3 x^2 - x + 1}{(x - 1) (4 x - 1) (x + 1)}$$

Sequence: A267036
Score: 6.03201
Type of gen. func.: ogf

$$(11745 f(x) + 17467) (4 f(x) x^3 - f(x) x^2 - 4 f(x) x - 3 x^2 + f(x) + x - 1)$$

Sequence: A267036
Score: 6.35230
Type of gen. func.: ogf

$$\{a(n+3) - 4\,a(n+2) - a(n+1) + 4\,a(n),\ a(0) = 1,\ a(1) = 3,\ a(2) = 16\}$$

Sequence: A267036
Score: 7.25061
Type of gen. func.: lgdogf

$$-\frac{-12\,x^4 + 8\,x^3 - 25\,x^2 + 8\,x + 3}{-12\,x^5 + 7\,x^4 + 7\,x^3 - 6\,x^2 + 5\,x - 1}$$

Sequence: A267042
Score: 6.11341
Type of gen. func.: ogf

$$-\frac{1344\,x^8 - 320\,x^7 - 1332\,x^6 + 276\,x^5 - 2\,x^4 - 6\,x^3 - 11\,x^2 + 5\,x + 1}{(x - 1)\,(4\,x - 1)\,(2\,x + 1)\,(2\,x - 1)\,(4\,x + 1)\,(x + 1)}$$

Sequence: A267043
Score: 10.2372
Type of gen. func.: ogf

$$-x^4 - f(x)\,x^2 + x^2 + f(x) - 1$$

Sequence: A267043
Score: 11.0098
Type of gen. func.: ogf

$$-\frac{x^4 - x^2 + 1}{(x - 1)\,(x + 1)}$$

Sequence: A267043
Score: 13.8568
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{11} + x^3\,(x^2 + 1)$$

Sequence: A267043
Score: 5.55733
Type of gen. func.: ogf

{-a(n + 5) + a(n + 3), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 1}

Sequence: A267044
Score: 10.4180
Type of gen. func.: ogf

$$\frac{x^4 - x^2 + 1}{(x - 1) (10 x - 1) (x + 1)}$$

Sequence: A267044
Score: 4.47439
Type of gen. func.: ogf

{a(n + 4) - 10 a(n + 3) - a(n + 2) + 10 a(n + 1), a(0) = 1, a(1) = 10,

a(2) = 100, a(3) = 1000, a(4) = 10001}

Sequence: A267044
Score: 6.40372
Type of gen. func.: ogf

$$f(x) (10 f(x) x^3 - x^4 - f(x) x^2 - 10 f(x) x + x^2 + f(x) - 1)$$

Sequence: A267045
Score: 12.1524
Type of gen. func.: ogf

$$\frac{x^4 - x^2 + 1}{(x + 1) (2 x - 1) (x - 1)}$$

Sequence: A267045
Score: 5.44762
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) - a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8, a(4) = 17\}$$

Sequence: A267045
Score: 7.38229
Type of gen. func.: ogf

$$f(x) (2 f(x) x^3 - x^4 - f(x) x^2 - 2 f(x) x + x^2 + f(x) - 1)$$

Sequence: A267046
Score: 11.1896
Type of gen. func.: ogf

$$- \frac{3 x^6 - 2 x^5 - 2 x^4 - 2 x - 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A267047
Score: 8.87978
Type of gen. func.: ogf

$$\frac{3 x^6 - 2 x^5 - 2 x^4 - 2 x - 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A267048
Score: 9.45899
Type of gen. func.: ogf

$$\frac{x (3 x^5 - 2 x^4 - 2 x^3 + x^2 + 3 x + 1)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A267049
Score: 7.90198
Type of gen. func.: ogf

$$-\frac{x\,(3x^5 - 2x^4 - 2x^3 + x^2 + 3x + 1)}{(x+1)^2\,(x-1)^3}$$

Sequence: A267051
Score: 10.7385
Type of gen. func.: ogf

$$-\frac{100x^3 - x - 1}{(x-1)\,(10x-1)\,(x+1)}$$

Sequence: A267051
Score: 4.98575
Type of gen. func.: ogf

{a(n + 4) - 10 a(n + 3) - a(n + 2) + 10 a(n + 1), a(0) = 1, a(1) = 11,

a(2) = 111, a(3) = 1011}

Sequence: A267051
Score: 5.76864
Type of gen. func.: ogf

$$(2951 f(x) + 4345)\,(10 f(x)\,x^3 - f(x)\,x^2 + 100x^3 - 10 f(x)\,x + f(x) - x - 1)$$

Sequence: A267052
Score: 13.1805
Type of gen. func.: ogf

$$-\frac{4x^3 - x - 1}{(x+1)\,(2x-1)\,(x-1)}$$

Sequence: A267052
Score: 6.04519
Type of gen. func.: ogf

{a(n + 4) - 2 a(n + 3) - a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 7,

a(3) = 11}

Sequence: A267052
Score: 7.17866
Type of gen. func.: ogf

$$(7 f(x) + 33) (2 f(x) x^3 - f(x) x^2 + 4 x^3 - 2 f(x) x + f(x) - x - 1)$$

Sequence: A267052
Score: 7.51411
Type of gen. func.: lgdogf

$$- \frac{4 x^4 + 12 x^3 - 17 x^2 + 2 x + 3}{8 x^6 - 4 x^5 - 10 x^4 + 3 x^3 + 3 x^2 + x - 1}$$

Sequence: A267054
Score: 5.97290
Type of gen. func.: ogf

$$\frac{100000 x^5 + 10000 x^3 + x^2 - 11 x - 1}{(x - 1) (10 x + 1) (100 x - 1) (100 x + 1) (10 x - 1) (x + 1)}$$

Sequence: A267055
Score: 8.97872
Type of gen. func.: ogf

$$\frac{32 x^5 + 16 x^3 + x^2 - 3 x - 1}{(x - 1) (4 x - 1) (2 x + 1) (2 x - 1) (4 x + 1) (x + 1)}$$

Sequence: A267057
Score: 5.07759
Type of gen. func.: ogf

$$\frac{11101100 x^5 - 10100 x^4 + 10011 x^3 + 10099 x^2 + 1}{(x - 1) (100 x - 1) (100 x + 1) (x + 1) (10000 x^2 + 1)}$$

Sequence: A267058
Score: 8.04127
Type of gen. func.: ogf

$$\frac{236 x^5 - 20 x^4 + 19 x^3 + 19 x^2 + 1}{(x - 1) (4 x - 1) (4 x + 1) (x + 1) (16 x^2 + 1)}$$

Sequence: A267068
Score: 5.24626
Type of gen. func.: ogf

$$- \frac{x^{11} - x^{10} + 2 x^9 + 3 x^8 + 2 x^7 - 5 x^6 - x^5 - 5 x^4 - 2 x^3 - 3 x^2 - 2 x - 1}{(x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2}$$

Sequence: A267078
Score: 3.76261
Type of gen. func.: ogf

$$- (22 x^8 - 286 x^7 - 2287 x^6 + 5676 x^5 + 6048 x^4 - 1562 x^3 - 794 x^2 - 54 x + 5) \bigg/ ((x + 1) (x^2 + 7 x + 1) (x^2 - 3 x + 1) (x^2 - 18 x + 1))$$

Sequence: A267080
Score: 4.44083
Type of gen. func.: ogf

$$- \frac{6 (22 x^7 - 308 x^6 - 1975 x^5 + 7527 x^4 - 1103 x^3 - 429 x^2 - 3 x + 1)}{(x^2 + 7 x + 1) (x^2 - 3 x + 1) (x^2 - 18 x + 1)}$$

Sequence: A267081
Score: 5.14847
Type of gen. func.: ogf

```
                 6        5         4         3        2
```

$$\frac{70 x - 700 x - 9491 x - 8179 x - 104 x + 125 x - 9}{(x + 1) (x^2 + 7 x + 1) (x^2 - 18 x + 1)}$$

Sequence: A267082
Score: 4.58330
Type of gen. func.: ogf

$$\frac{6 x (2 x^6 - 28 x^5 - 182 x^4 + 823 x^3 - 114 x^2 + 62 x + 1)}{(x^2 + 7 x + 1) (x^2 - 3 x + 1) (x^2 - 18 x + 1)}$$

Sequence: A267083
Score: 3.69420
Type of gen. func.: ogf

$$- 3 (10 x^8 - 130 x^7 - 1051 x^6 + 2706 x^5 + 1992 x^4 - 788 x^3 + 76 x^2 + 18 x - 1) / ((x + 1) (x^2 + 7 x + 1) (x^2 - 3 x + 1) (x^2 - 18 x + 1))$$

Sequence: A267128
Score: 3.99238
Type of gen. func.: ogf

$$(2048 x^{10} - 1472 x^8 - 128 x^7 + 248 x^6 + 16 x^5 + 11 x^3 + 17 x^2 - 4 x - 1) / ((x - 1) (4 x - 1) (2 x - 1) (4 x + 1) (x + 1) (4 x^2 + 2 x + 1) (8 x^2 - 1) (2 x^2 - 1))$$

Sequence: A267139
Score: 5.02820
Type of gen. func.: ogf

$$- (4096 x^{10} - 1536 x^9 - 3584 x^8 + 1504 x^7 - 496 x^6 + 8 x^5 - 4 x^4 + 3 x^3 - 13 x^2 + 6 x + 1) / ((x - 1) (4 x - 1) (4 x + 1) (x + 1) (2 x^2 - 1))$$

Sequence: A267141
Score: 19.9302
Type of gen. func.: lgdegf]

$$\frac{11}{-x + 1}$$

Sequence: A267141
Score: 6.42194
Type of gen. func.: ogf

$$\{(-n - 12)\ a(n + 1) + a(n + 2),\ a(0) = 6,\ a(1) = 66\}$$

Sequence: A267142
Score: 17.4298
Type of gen. func.: lgdogf

$$\frac{9\ x^{8}}{-x^{9} + 1}$$

Sequence: A267142
Score: 25.0990
Type of gen. func.: ogf

$$- \frac{1}{(x - 1)\ (x^{2} + x + 1)\ (x^{6} + x^{3} + 1)}$$

Sequence: A267142
Score: 36.8430
Type of gen. func.: ogf_with_Euler_transform]

$$[x^{8}]$$

Sequence: A267155
Score: 8.59053

Type of gen. func.: ogf

$$\frac{x^{10} - x^4 - x^3 + x^2 - 1}{(x - 1)(x + 1)}$$

Sequence: A267156
Score: 8.30958
Type of gen. func.: ogf

$$-\frac{x^{10} - x^4 - x^3 + x^2 - 1}{(x - 1)(10x - 1)(x + 1)}$$

Sequence: A267157
Score: 9.76200
Type of gen. func.: ogf

$$-\frac{x^{10} - x^4 - x^3 + x^2 - 1}{(x + 1)(2x - 1)(x - 1)}$$

Sequence: A267158
Score: 5.51922
Type of gen. func.: ogf

$$-\frac{x^{12} - x^{11} - x^{10} + x^9 + 4x^8 - x^7 + x^6 - 2x^5 - 2x^4 - 4x^3 - 2x^2 - x - 1}{(x^2 + 1)(x - 1)^2 (x + 1)^2}$$

Sequence: A267159
Score: 4.73728
Type of gen. func.: ogf

$$\frac{x^{12} - x^{11} - x^{10} + x^9 + 4x^8 - x^7 + x^6 - 2x^5 - 2x^4 - 4x^3 - 2x^2 - x - 1}{(x^2 + 1)(x + 1)^2 (x - 1)^3}$$

Sequence: A267160

Score: 5.88042
Type of gen. func.: ogf

$$\frac{x\,(x^{11} - x^{10} - x^{9} + x^{8} + 4\,x^{7} - x^{6} + x^{5} - x^{4} + x^{3} + 2\,x + 2)}{(x^{2} + 1)\,(x - 1)^{2}\,(x + 1)^{2}}$$

Sequence: A267161
Score: 4.98623
Type of gen. func.: ogf

$$-\,\frac{x\,(x^{11} - x^{10} - x^{9} + x^{8} + 4\,x^{7} - x^{6} + x^{5} - x^{4} + x^{3} + 2\,x + 2)}{(x^{2} + 1)\,(x + 1)^{2}\,(x - 1)^{3}}$$

Sequence: A267167
Score: 5.06189
Type of gen. func.: ogf

$$\frac{(x^{2} - x + 1)\,(x^{4} + 1)\,(x^{2} + 1)^{2}\,(x + 1)^{4}}{(x^{4} + x^{3} + x^{2} + x + 1)\,(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)\,(x - 1)^{4}}$$

Sequence: A267168
Score: 22.4353
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(\frac{5}{x^{9}} + \frac{6}{x^{10}} - 1\right) x^{10}}{x + 1}$$

Sequence: A267169
Score: 21.6687
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(\frac{7}{x^{12}} + \frac{6}{x^{11}} - 1\right) x^{12}}{x + 1}$$

Sequence: A267170
Score: 21.3479
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(\frac{7}{x^{13}} + \frac{8}{x^{14}} - 1\right) x^{14}}{x + 1}$$

Sequence: A267171
Score: 19.1440
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{16}}{x + 1} + \frac{8 x + 9}{x + 1}$$

Sequence: A267172
Score: 18.3112
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{18}}{x + 1} + \frac{9 x + 10}{x + 1}$$

Sequence: A267182
Score: 11.2858
Type of gen. func.: lgdogf

$$- \frac{x^3 - 5 x^2 + 2 x - 2}{-2 x^5 + 3 x^4 + x^3 - 4 x^2 + x + 1}$$

Sequence: A267182
Score: 14.3934
Type of gen. func.: ogf

$$2 x^3 - 3 x^2 + x + 1$$

$$\frac{}{(x + 1) (x - 1)^{2}}$$

Sequence: A267182
Score: 7.58127
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3) - a(n + 2) + a(n + 1), a(0) = 1, a(1) = 2, a(2) = 0, a(3) = 3\}$$

Sequence: A267182
Score: 8.00924
Type of gen. func.: ogf

$$-(4 + 23 f(x)) (f(x) x^{3} - f(x) x^{2} - 2 x^{3} - f(x) x + 3 x^{2} + f(x) - x - 1)$$

Sequence: A267183
Score: 12.6126
Type of gen. func.: ogf

$$\frac{2 x^{4} - 5 x^{3} + x^{2} + 2 x + 1}{(x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A267183
Score: 7.30205
Type of gen. func.: ogf

$$(1499 f(x) + 8571) (f(x) x^{4} - f(x) x^{3} - 2 x^{4} + 5 x^{3} - f(x) x - x^{2} + f(x) - 2 x - 1)$$

Sequence: A267184
Score: 11.1154
Type of gen. func.: ogf

$$\frac{2 x^{5} - 6 x^{4} + 3 x^{3} - 2 x^{2} + 3 x + 1}{{}^{2} \qquad\qquad {}^{2}}$$

$$(x + 1) (x \;\; + 1) (x - 1)$$

Sequence: A267185
Score: 10.3673
Type of gen. func.: ogf

$$- \frac{x (x^4 + x^3 - 3 x^2 + x - 1)}{(x + 1) (x - 1)^2}$$

Sequence: A267186
Score: 9.06983
Type of gen. func.: ogf

$$- \frac{x (x^6 + x^5 - 3 x^3 + 3 x^2 - x - 2)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A267187
Score: 8.42107
Type of gen. func.: ogf

$$- \frac{x (x^8 + x^7 - 3 x^4 + 4 x^3 - 3 x^2 + 2 x - 3)}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A267205
Score: 8.57788
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A267207
Score: 3.74131
Type of gen. func.: ogf

$$- (3584 x^{10} - 256 x^8 - 1120 x^7 - 1352 x^6 - 812 x^5 - 406 x^4 - 104 x^3 - 39 x^2$$

$$- 4 x - 1) \Big/ ((x - 1) (4 x - 1) (4 x + 1) (x + 1) (x^2 + 1)$$

$$(4 x^2 + 2 x + 1) (16 x^2 + 1))$$

Sequence: A267208
Score: 11.4875
Type of gen. func.: ogf

$$\frac{x^3 - x^2 - x - 1}{(x - 1) (x^2 + x + 1)}$$

Sequence: A267208
Score: 6.89252
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 0\}$$

Sequence: A267208
Score: 8.73052
Type of gen. func.: ogf

$$f(x) (f(x) x^3 - x^3 + x^2 - f(x) + x + 1)$$

Sequence: A267209
Score: 5.13239
Type of gen. func.: ogf

$$-(2185224 f(x) - 125419)$$

$$(10 f(x) x^4 - f(x) x^3 + x^3 - 10 f(x) x - x^2 + f(x) - x - 1)$$

Sequence: A267209
Score: 9.83106
Type of gen. func.: ogf

$$- \frac{x^3 - x^2 - x - 1}{}$$

$$(10 x - 1) (x - 1) (x^2 + x + 1)$$

Sequence: A267210
Score: 11.0976
Type of gen. func.: ogf

$$- \frac{x^3 - x^2 - x - 1}{(2 x - 1) (x - 1) (x^2 + x + 1)}$$

Sequence: A267210
Score: 6.17528
Type of gen. func.: ogf

$$-(8 f(x) + 41) (2 f(x) x^4 - f(x) x^3 + x^3 - 2 f(x) x - x^2 + f(x) - x - 1)$$

Sequence: A267211
Score: 7.74088
Type of gen. func.: ogf

$$- \frac{3 x^7 - 3 x^6 - x^5 - 5 x^4 - x^3 - 5 x^2 - x - 1}{(x + 1) (x^2 + x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A267212
Score: 6.99066
Type of gen. func.: ogf

$$\frac{3 x^7 - 3 x^6 - x^5 - 5 x^4 - x^3 - 5 x^2 - x - 1}{(x + 1) (x^2 + x + 1) (x^2 + 1) (x - 1)^3}$$

Sequence: A267213
Score: 9.44819
Type of gen. func.: ogf

$$x (3 x^6 - 2 x^5 + 2 x^4 + 5 x^2 + 2)$$

$$\overline{(x+1)\,(x^2+x+1)\,(x^2+1)\,(x-1)^2}$$

Sequence: A267214
Score: 8.34807
Type of gen. func.: ogf

$$-\frac{x\,(3x^6-2x^5+2x^4+5x^2+2)}{(x+1)\,(x^2+x+1)\,(x^2+1)\,(x-1)^3}$$

Sequence: A267226
Score: 10.9299
Type of gen. func.: ogf

$$-\frac{2x^3-6x+3}{(x-1)\,(2x-1)^2}$$

Sequence: A267226
Score: 4.97556
Type of gen. func.: ogf

{-a(n + 4) + 5 a(n + 3) - 8 a(n + 2) + 4 a(n + 1), a(0) = 3, a(1) = 9,

a(2) = 21, a(3) = 47}

Sequence: A267226
Score: 5.74763
Type of gen. func.: ogf

$$-(f(x)+51)\,(4 f(x) x^3-8 f(x) x^2+2x^3+5 f(x) x-f(x)-6x+3)$$

Sequence: A267226
Score: 7.16909
Type of gen. func.: lgdogf

$$-\frac{8x^3-30x^2+30x-9}{}$$

$$4 x^5 - 6 x^4 - 10 x^3 + 24 x^2 - 15 x + 3$$

Sequence: A267227
Score: 4.285
Type of gen. func.: ogf

$$-(3 f(x) + 1238) (18 f(x) x^4 - 39 f(x) x^3 + 6 x^4 + 29 f(x) x^2 + 2 x^3 - 9 f(x) x - 26 x^2 + f(x) + 20 x - 4)$$

Sequence: A267227
Score: 7.47496
Type of gen. func.: ogf

$$- \frac{2 (3 x^4 + x^3 - 13 x^2 + 10 x - 2)}{(2 x - 1) (x - 1) (3 x - 1)^2}$$

Sequence: A267228
Score: 5.26821
Type of gen. func.: ogf

$$- \frac{24 x^5 + 20 x^4 - 145 x^3 + 135 x^2 - 45 x + 5}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1)^2}$$

Sequence: A267229
Score: 4.33094
Type of gen. func.: ogf

$$- \frac{120 x^6 + 172 x^5 - 969 x^4 + 1010 x^3 - 435 x^2 + 84 x - 6}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1) (5 x - 1)^2}$$

Sequence: A267230
Score: 3.50083
Type of gen. func.: ogf

$$-\frac{720 x^{7} + 1512 x^{6} - 7476 x^{5} + 8428 x^{4} - 4270 x^{3} + 1099 x^{2} - 140 x + 7}{(x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (5 x - 1) (6 x - 1)^{2}}$$

Sequence: A267233
Score: 10.4895
Type of gen. func.: lgdogf

$$-\frac{3 x^{2} + 70 x + 47}{x^{3} + 16 x^{2} - 11 x - 6}$$

Sequence: A267233
Score: 8.91610
Type of gen. func.: ogf

$$-\frac{x^{2} + 17 x + 6}{(x - 1)^{5}}$$

Sequence: A267234
Score: 7.46182
Type of gen. func.: ogf

$$\frac{x^{3} + 51 x^{2} + 61 x + 7}{(x - 1)^{6}}$$

Sequence: A267234
Score: 8.21638
Type of gen. func.: lgdogf

$$-\frac{3 x^{3} + 207 x^{2} + 407 x + 103}{x^{4} + 50 x^{3} + 10 x^{2} - 54 x - 7}$$

Sequence: A267235
Score: 5.61269
Type of gen. func.: ogf

$$-\frac{x^4 + 147 x^3 + 397 x^2 + 167 x + 8}{(x - 1)^7}$$

Sequence: A267236
Score: 4.45688
Type of gen. func.: ogf

$$\frac{x^5 + 421 x^4 + 2136 x^3 + 2066 x^2 + 407 x + 9}{(x - 1)^8}$$

Sequence: A267240
Score: 5.70124
Type of gen. func.: ogf

$$-\frac{9 x^5 - 42 x^4 + 76 x^3 - 68 x^2 + 27 x - 4}{(3 x - 1)^2 (x - 1)^4}$$

Sequence: A267254
Score: 4.41736
Type of gen. func.: ogf

$$- (10000000000 x^8 - 110000000 x^7 + 109000000 x^6 - 989000 x^5 + 1089000 x^4 - 10900 x^3 + 9890 x^2 - 110 x - 1)/((x - 1) (100 x - 1) (100 x + 1) (x + 1))$$

Sequence: A267255
Score: 6.78463
Type of gen. func.: ogf

$$-\frac{1024 x^8 - 384 x^7 + 320 x^6 - 40 x^5 + 72 x^4 - 20 x^3 + 10 x^2 - 6 x - 1}{(x - 1) (4 x - 1) (4 x + 1) (x + 1)}$$

Sequence: A267256
Score: 12.3631
Type of gen. func.: ogf

$$\frac{x^{8} - x - 1}{(x - 1)\,(x + 1)}$$

Sequence: A267257
Score: 11.0794
Type of gen. func.: ogf

$$-\frac{x^{8} - x - 1}{(x - 1)\,(10\,x - 1)\,(x + 1)}$$

Sequence: A267258
Score: 12.7250
Type of gen. func.: ogf

$$-\frac{x^{8} - x - 1}{(x + 1)\,(2\,x - 1)\,(x - 1)}$$

Sequence: A267258
Score: 3.86182
Type of gen. func.: ogf

$\{-a(n + 4) + 2\, a(n + 3) + a(n + 2) - 2\, a(n + 1), a(0) = 1, a(1) = 3, a(2) = 7,$

$a(3) = 15, a(4) = 31, a(5) = 63, a(6) = 127, a(7) = 255, a(8) = 510\}$

Sequence: A267259
Score: 8.37698
Type of gen. func.: ogf

$$-\frac{x^{8} - 2\,x^{7} + x^{6} + x^{5} - x^{3} - x^{2} - 2\,x - 1}{(x - 1)^{2}\,(x + 1)^{2}}$$

Sequence: A267260
Score: 7.09223
Type of gen. func.: ogf

$$\frac{x^8 - 2x^7 + x^6 + x^5 - x^3 - x^2 - 2x - 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A267261
Score: 9.40867
Type of gen. func.: ogf

$$\frac{x (x^7 - 2x^6 + x^5 + x^4 + 2x + 1)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A267262
Score: 7.86399
Type of gen. func.: ogf

$$- \frac{x (x^7 - 2x^6 + x^5 + x^4 + 2x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A267267
Score: 5.00998
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^2$$

Sequence: A267270
Score: 4.89164
Type of gen. func.: ogf

$$- \frac{1000000 x^6 - 1100000 x^5 - 990100 x^4 - 9990 x^3 - 9901 x^2 + 101 x + 1}{(x - 1) (100 x - 1) (100 x + 1) (x + 1) (1000 x^2 - 1)}$$

Sequence: A267271
Score: 7.20773
Type of gen. func.: ogf

$$-\frac{64 x^6 - 96 x^5 - 52 x^4 - 14 x^3 - 13 x^2 + 5 x + 1}{(x - 1) (4 x - 1) (4 x + 1) (x + 1) (8 x^2 - 1)}$$

Sequence: A267273
Score: 5.98896
Type of gen. func.: ogf

$$\frac{100000 x^5 - 1000 x^4 - 98900 x^3 + 999 x^2 + 11 x + 1}{(x - 1) (100 x - 1) (100 x + 1) (x + 1)}$$

Sequence: A267274
Score: 9.04602
Type of gen. func.: ogf

$$\frac{32 x^5 - 8 x^4 - 20 x^3 + 7 x^2 + 3 x + 1}{(x - 1) (4 x - 1) (4 x + 1) (x + 1)}$$

Sequence: A267276
Score: 5.42886
Type of gen. func.: ogf

$$\frac{704 x^6 + 32 x^5 + 144 x^4 - 96 x^3 - 12 x^2 - 6 x - 1}{(x - 1) (4 x - 1) (2 x - 1) (4 x + 1) (4 x^2 + 2 x + 1) (16 x^2 + 1)}$$

Sequence: A267297
Score: 5.71194
Type of gen. func.: ogf

$$-\frac{46611179 x^5 - 1630019160 x^4 + 1583407981 x^3 + 36 x^2 - 1259 x + 1225}{}$$

$$(x-1)(x^2-34x+1)$$

Sequence: A267313
Score: 10.0638
Type of gen. func.: ogf

$$-\frac{x(x^4-2x^3+3x^2+2x-1)}{(x^2+x+1)^2(x-1)^3}$$

Sequence: A267313
Score: 5.98888
Type of gen. func.: ogf

$\{(n+5)a(n+1)+a(n+2)+a(n+3)+(-n-1)a(n+4),\ a(0)=0,$

$a(1)=-1,\ a(2)=1,\ a(3)=4\}$

Sequence: A267314
Score: 9.08132
Type of gen. func.: ogf

$$\frac{2x(x^2-2x-1)}{(x-1)(x^2+1)^2}$$

Sequence: A267317
Score: 13.1097
Type of gen. func.: ogf

$$-\frac{x(5x^2+2x+1)}{(x^2+1)(x-1)}$$

Sequence: A267317
Score: 6.50480
Type of gen. func.: ogf

$\{a(n+4)-a(n+3)+a(n+2)-a(n+1),\ a(0)=0,\ a(1)=1,\ a(2)=3,$

a(3) = 7}

Sequence: A267317
Score: 7.34594
Type of gen. func.: ogf

$$(41 f(x) + 6) (f(x) x^3 - f(x) x^2 + 5 x^3 + f(x) x + 2 x^2 - f(x) + x)$$

Sequence: A267318
Score: 11.4248
Type of gen. func.: ogf

$$- \frac{(x^2 - x + 1) (x^3 - 5 x^2 - 5 x - 1)}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A267319
Score: 10.6581
Type of gen. func.: ogf

{-a(n + 3) + a(n + 1), a(0) = 46, a(1) = 1, a(2) = 45}

Sequence: A267319
Score: 12.2213
Type of gen. func.: lgdogf

$$- \frac{x^2 + 90 x + 1}{-x^4 + x^3 + 47 x^2 - x - 46}$$

Sequence: A267319
Score: 16.974
Type of gen. func.: ogf

$$-f(x) x^2 + x^2 + f(x) - x - 46$$

Sequence: A267319
Score: 18.3320
Type of gen. func.: ogf

$$\frac{x^2 - x - 46}{(x - 1) (x + 1)}$$

Sequence: A267322
Score: 11.0995
Type of gen. func.: ogf

$$-\frac{(x + 1) (2 x^4 - x^3 + x^2 + 1)}{(x - 1)^3 (x^2 + x + 1)^3}$$

Sequence: A267335
Score: 5.20468
Type of gen. func.: ogf

$$(f(x) - 120)^2 (-x^5 + f(x) - 120)$$

Sequence: A267336
Score: 9.32598
Type of gen. func.: ogf

$$-(f(x) - 720)^3$$

Sequence: A267350
Score: 4.92295
Type of gen. func.: ogf

$$-\frac{10100000 x^6 - 200000 x^5 - 10091010 x^4 + 89910 x^3 - 8991 x^2 + 101 x + 1}{(x - 1) (10 x + 1) (100 x - 1) (100 x + 1) (10 x - 1) (x + 1)}$$

Sequence: A267351
Score: 7.19881
Type of gen. func.: ogf

$$-\frac{160 x^6 - 64 x^5 - 154 x^4 + 14 x^3 - 7 x^2 + 5 x + 1}{(x - 1) (4 x - 1) (2 x + 1) (2 x - 1) (4 x + 1) (x + 1)}$$

Sequence: A267352
Score: 10.9779
Type of gen. func.: ogf

$$-\frac{2 x^4 - 2 x^3 - x^2 - 2 x - 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A267352
Score: 7.28531
Type of gen. func.: ogf

$$(4 f(x) + 37) (f(x) x^4 + 2 x^4 - 2 f(x) x^2 - 2 x^3 - x^2 + f(x) - 2 x - 1)$$

Sequence: A267352
Score: 9.00431
Type of gen. func.: lgdogf

$$-\frac{2 x^4 - 6 x^3 + 12 x^2 + 6 x + 2}{-2 x^6 + 2 x^5 + 3 x^4 - 2 x - 1}$$

Sequence: A267353
Score: 8.55455
Type of gen. func.: lgdogf

$$-\frac{-2 x^5 + 2 x^4 - 3 x^3 + 15 x^2 + 9 x + 3}{-2 x^6 + 2 x^5 + 3 x^4 - 2 x - 1}$$

Sequence: A267353
Score: 8.92248
Type of gen. func.: ogf

$$\frac{2 x^4 - 2 x^3 - x^2 - 2 x - 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A267354
Score: 11.7144
Type of gen. func.: ogf

$$\frac{x (2 x^3 - x^2 + 2 x + 1)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A267354
Score: 7.698
Type of gen. func.: ogf

$$(8 f(x) - 3) (f(x) x^4 - 2 x^4 - 2 f(x) x^2 + x^3 - 2 x^2 + f(x) - x)$$

Sequence: A267354
Score: 9.08192
Type of gen. func.: lgdogf

$$- \frac{-2 x^4 + 2 x^3 - 12 x^2 - 2 x - 2}{-2 x^5 + x^4 - 2 x^2 + 2 x + 1}$$

Sequence: A267360
Score: 6.71452
Type of gen. func.: ogf

$$- \frac{64 x^8 - 192 x^7 - 16 x^6 + 176 x^5 - 36 x^4 + 4 x^3 - 11 x^2 - 3 x - 1}{(x - 1) (4 x - 1) (4 x + 1) (x + 1)}$$

Sequence: A267370
Score: 13.3526
Type of gen. func.: ogf

$$-\frac{3 x (x - 2)}{(x - 1)^4}$$

Sequence: A267370
Score: 18.0816
Type of gen. func.: lgdogf

$$-\frac{-3 x + 7}{-x^2 + 3 x - 2}$$

Sequence: A267370
Score: 5.74780
Type of gen. func.: ogf

$$\{(-2 n - 4) a(n + 3) + (10 + 3 n) a(n + 2) + (-3 - n) a(n + 1), a(0) = 0,$$
$$a(1) = 6, a(2) = 21\}$$

Sequence: A267370
Score: 6.78062
Type of gen. func.: ogf

$$(70 f(x) + 753)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + 3 x^2 + f(x) - 6 x)$$

Sequence: A267387
Score: 14.7816
Type of gen. func.: egf]

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A267408
Score: 4.5736
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^3$$

Sequence: A267424
Score: 9.76451
Type of gen. func.: ogf

$$\left(f(x)\,x^2 - 322\,f(x)\,x + f(x) - x - 55\right)^2$$

Sequence: A267428
Score: 6.23631
Type of gen. func.: ogf

$$-\left(f(x)\,x - f(x) - 119\,x + 120\right)^2$$

Sequence: A267429
Score: 3.15135
Type of gen. func.: ogf

$$-\left(f(x) - 720\right)\left(f(x)\,x - f(x) - 719\,x + 720\right)^2$$

Sequence: A267437
Score: 4.99689
Type of gen. func.: ogf

$$-\left(400883\,f(x) + 8637306\right)\left(4\,f(x)\,x^4 - 8\,f(x)\,x^3 + 7\,f(x)\,x^2 + 44\,x^3 - 4\,f(x)\,x - 52\,x^2 + f(x) + 21\,x - 11\right)$$

Sequence: A267437
Score: 9.62365
Type of gen. func.: ogf

$$-\frac{44\,x^3 - 52\,x^2 + 21\,x - 11}{(2\,x - 1)\,(x - 1)\,(2\,x^2 - x + 1)}$$

Sequence: A267450
Score: 5.31711
Type of gen. func.: ogf

$$-\frac{32 x^8 - 56 x^7 + 12 x^6 - 24 x^5 + 5 x^4 - 8 x^3 + 2 x^2 + 1}{(x - 1) (4 x - 1) (2 x - 1) (x + 1) (x^2 + 1) (4 x^2 + 2 x + 1)}$$

Sequence: A267451
Score: 9.24499
Type of gen. func.: ogf

$$\frac{2 x^6 + 2 x^4 + x^3 + 2 x^2 + x + 1}{(x + 1) (x^2 + x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A267452
Score: 8.21304
Type of gen. func.: ogf

$$-\frac{2 x^6 + 2 x^4 + x^3 + 2 x^2 + x + 1}{(x + 1) (x^2 + x + 1) (x^2 + 1) (x - 1)^3}$$

Sequence: A267453
Score: 8.69465
Type of gen. func.: ogf

$$-\frac{x (x^5 - 3 x^4 - 3 x^3 - 5 x^2 - 3 x - 2)}{(x + 1) (x^2 + x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A267454
Score: 7.82722
Type of gen. func.: ogf

$$\frac{x (x^5 - 3 x^4 - 3 x^3 - 5 x^2 - 3 x - 2)}{(x + 1) (x^2 + x + 1) (x^2 + 1) (x - 1)^3}$$

Sequence: A267456
Score: 6.25141
Type of gen. func.: ogf

$$\frac{(10 x + 1) (20000 x^4 - 9901 x^2 + 1)}{(x - 1) (100 x - 1) (100 x + 1) (x + 1)}$$

Sequence: A267457
Score: 8.31377
Type of gen. func.: ogf

$$\frac{(2 x + 1) (32 x^4 - 13 x^2 + 1)}{(x - 1) (4 x - 1) (4 x + 1) (x + 1)}$$

Sequence: A267458
Score: 12.6585
Type of gen. func.: ogf

$$\frac{2 x^4 - x^2 + 1}{(x + 1) (x - 1)^2}$$

Sequence: A267458
Score: 6.91432
Type of gen. func.: ogf

$$-(2 f(x) - 1) (f(x) x^3 - 2 x^4 - f(x) x^2 - f(x) x + x^2 + f(x) - 1)$$

Sequence: A267458
Score: 8.94352
Type of gen. func.: lgdogf

$$- \frac{-2 x^5 + 2 x^4 + 7 x^3 - x^2 + x + 1}{2 x^6 - 3 x^4 + 2 x^2 - 1}$$

Sequence: A267459
Score: 12.7034
Type of gen. func.: ogf

$$-\frac{2 x^{4} - x^{2} + 1}{(x + 1) (x - 1)^{3}}$$

Sequence: A267459
Score: 6.93882
Type of gen. func.: ogf

$$-(f(x) + 6) (f(x) x^{4} - 2 f(x) x^{3} + 2 x^{4} + 2 f(x) x - x^{2} - f(x) + 1)$$

Sequence: A267459
Score: 9.82999
Type of gen. func.: lgdogf

$$-\frac{-4 x^{4} - 6 x^{3} + 2 x^{2} - 2 x - 2}{-2 x^{6} + 3 x^{4} - 2 x^{2} + 1}$$

Sequence: A267460
Score: 10.1075
Type of gen. func.: lgdogf

$$-\frac{x^{3} + x^{2} - 4 x - 2}{x^{5} - 2 x^{3} - x^{2} + x + 1}$$

Sequence: A267460
Score: 12.4400
Type of gen. func.: ogf

$$-\frac{2 x (x^{3} - x - 1)}{(x + 1) (x - 1)^{2}}$$

Sequence: A267460
Score: 5.65456
Type of gen. func.: ogf

$$\{-a(n + 5) + a(n + 4) + a(n + 3) - a(n + 2), a(0) = 0, a(1) = 2, a(2) = 4, a(3) = 6, a(4) = 6\}$$

Sequence: A267460
Score: 6.97072
Type of gen. func.: ogf

$$(f(x) + 26) (f(x) x^3 + 2 x^4 - f(x) x^2 - f(x) x - 2 x^2 + f(x) - 2 x)$$

Sequence: A267461
Score: 10.1250
Type of gen. func.: lgdogf

$$-\frac{-x^4 - 2 x^3 + 6 x + 3}{-x^5 + 2 x^3 + x^2 - x - 1}$$

Sequence: A267461
Score: 12.4616
Type of gen. func.: ogf

$$\frac{2 x (x^3 - x - 1)}{(x + 1) (x - 1)^3}$$

Sequence: A267461
Score: 6.92312
Type of gen. func.: ogf

$$(6 f(x) - 155) (f(x) x^4 - 2 f(x) x^3 - 2 x^4 + 2 f(x) x + 2 x^2 - f(x) + 2 x)$$

Sequence: A267465
Score: 4.43278
Type of gen. func.: ogf

$$(236 f(x) + 4027) (12 f(x) x^4 - 28 f(x) x^3 + 23 f(x) x^2 + 7 x^3 - 8 f(x) x - 21 x^2 + f(x) + 15 x - 3)$$

Sequence: A267465
Score: 7.94659
Type of gen. func.: ogf

$$- \frac{7 x^3 - 21 x^2 + 15 x - 3}{(3 x - 1) (x - 1) (2 x - 1)^2}$$

Sequence: A267466
Score: 6.29613
Type of gen. func.: ogf

$$- \frac{2 (23 x^4 - 65 x^3 + 55 x^2 - 18 x + 2)}{(2 x - 1) (4 x - 1) (x - 1) (3 x - 1)^2}$$

Sequence: A267467
Score: 4.81353
Type of gen. func.: ogf

$$- \frac{326 x^5 - 920 x^4 + 870 x^3 - 365 x^2 + 70 x - 5}{(x - 1) (3 x - 1) (2 x - 1) (5 x - 1) (4 x - 1)^2}$$

Sequence: A267468
Score: 3.56096
Type of gen. func.: ogf

$$- \frac{2556 x^6 - 7336 x^5 + 7539 x^4 - 3710 x^3 + 945 x^2 - 120 x + 6}{(x - 1) (6 x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (5 x - 1)^2}$$

Sequence: A267469
Score: 3.16736
Type of gen. func.: ogf

$$-(22212 x^7 - 65212 x^6 + 71617 x^5 - 39543 x^4 + 12110 x^3 - 2086 x^2 + 189 x - 7) \Big/ ((x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (7 x - 1) (5 x - 1) (6 x - 1)^2)$$

Sequence: A267472
Score: 7.38954
Type of gen. func.: ogf

$$-\frac{x^4 - 5 x^3 + 14 x^2 + 2 x + 12}{(x - 1)^5}$$

Sequence: A267473
Score: 6.06114
Type of gen. func.: ogf

$$-\frac{x^5 - 6 x^4 + 7 x^3 - 67 x^2 - 34 x - 21}{(x - 1)^6}$$

Sequence: A267474
Score: 4.94661
Type of gen. func.: ogf

$$-\frac{x^6 - 7 x^5 + 37 x^4 + 137 x^3 + 362 x^2 + 152 x + 38}{(x - 1)^7}$$

Sequence: A267475
Score: 4.01422
Type of gen. func.: ogf

7 6 5 4 3 2

$$-\frac{x - 8 x - 4 x - 651 x - 1901 x - 1862 x - 544 x - 71}{(x - 1)^{8}}$$

Sequence: A267489
Score: 6.67571
Type of gen. func.: ogf

$$-\frac{x (x^{6} + 2 x^{5} - 2 x^{4} + 2 x^{3} - 2 x^{2} + 2 x + 1)}{(x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x - 1)^{3}}$$

Sequence: A267514
Score: 10.4180
Type of gen. func.: ogf

$$\frac{(x^{2} + x + 1) (x^{2} - x + 1)}{(10 x - 1) (x - 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A267515
Score: 12.3694
Type of gen. func.: ogf

$$\frac{(x^{2} + x + 1) (x^{2} - x + 1)}{(2 x - 1) (x - 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A267522
Score: 13.5906
Type of gen. func.: ogf

$$\frac{8 (3 x + 1)}{(x - 1)^{4}}$$

Sequence: A267522
Score: 17.5546
Type of gen. func.: lgdogf

$$-\frac{-9x-7}{-3x^2+2x+1}$$

Sequence: A267522
Score: 5.47155
Type of gen. func.: ogf

$$\{(n+3)a(n+3)+(-3+2n)a(n+2)+(-12-3n)a(n+1),\ a(0)=8,\ a(1)=56,\ a(2)=176\}$$

Sequence: A267522
Score: 6.43221
Type of gen. func.: ogf

$$(11552 f(x)+243535)\,(f(x)x^4-4f(x)x^3+6f(x)x^2-4f(x)x+f(x)-24x-8)$$

Sequence: A267523
Score: 11.3458
Type of gen. func.: ogf

$$\frac{11x^2-x+1}{(100x-1)(x-1)}$$

Sequence: A267523
Score: 5.87550
Type of gen. func.: ogf

$$\{-a(n+3)+101a(n+2)-100a(n+1),\ a(0)=1,\ a(1)=100,\ a(2)=10011\}$$

Sequence: A267523
Score: 6.45153
Type of gen. func.: ogf

$$(39+4961 f(x))\,(100 f(x)x^2-101 f(x)x-11x^2+f(x)+x-1)$$

Sequence: A267523
Score: 7.39389
Type of gen. func.: lgdogf

$$-\frac{1011 x^2 + 178 x - 100}{1100 x^4 - 1211 x^3 + 212 x^2 - 102 x + 1}$$

Sequence: A267524
Score: 12.6910
Type of gen. func.: ogf

$$\frac{x^3 - x + 1}{(10 x - 1) (x - 1)}$$

Sequence: A267524
Score: 5.72135
Type of gen. func.: ogf

$$\{-a(n + 4) + 11 a(n + 3) - 10 a(n + 2), a(0) = 1, a(1) = 10, a(2) = 100, a(3) = 1001\}$$

Sequence: A267524
Score: 6.64767
Type of gen. func.: lgdogf

$$-\frac{-10 x^4 + 22 x^3 - 13 x^2 + 20 x - 10}{10 x^5 - 11 x^4 - 9 x^3 + 21 x^2 - 12 x + 1}$$

Sequence: A267524
Score: 6.77675
Type of gen. func.: ogf

$$-(451 f(x) + 499) (10 f(x) x^2 - x^3 - 11 f(x) x + f(x) + x - 1)$$

Sequence: A267526
Score: 5.30119
Type of gen. func.: ogf

$$\frac{1000000 x^5 - 990000 x^4 - 10000 x^3 + 9999 x^2 + x - 1}{(x - 1) (100 x - 1) (100 x + 1) (10 x - 1)}$$

Sequence: A267527
Score: 7.26556
Type of gen. func.: ogf

$$\frac{64 x^5 - 48 x^4 - 16 x^3 + 15 x^2 + x - 1}{(x - 1) (4 x - 1) (2 x - 1) (4 x + 1)}$$

Sequence: A267528
Score: 12.6788
Type of gen. func.: ogf

$$\frac{x^4 + x^3 + 1}{(x + 1) (x - 1)^2}$$

Sequence: A267528
Score: 5.72305
Type of gen. func.: ogf

{a(n + 5) - a(n + 4) - a(n + 3) + a(n + 2), a(0) = 1, a(1) = 1, a(2) = 2,

a(3) = 3, a(4) = 5}

Sequence: A267528
Score: 7.04376
Type of gen. func.: ogf

$$(39 f(x) - 20) (f(x) x^3 - x^4 - f(x) x^2 - x^3 - f(x) x + f(x) - 1)$$

Sequence: A267529

Score: 12.7655
Type of gen. func.: ogf

$$-\frac{x^4 + x^3 + 1}{(x + 1) (x - 1)^3}$$

Sequence: A267529
Score: 6.80132
Type of gen. func.: ogf

$$-(162 f(x) + 55) (f(x) x^4 - 2 f(x) x^3 + x^4 + x^3 + 2 f(x) x - f(x) + 1)$$

Sequence: A267529
Score: 8.29760
Type of gen. func.: lgdogf

$$-\frac{-3 x^4 - 6 x^3 - 3 x^2 - 4 x - 2}{-x^6 - x^5 + x^4 + x^3 - x^2 + 1}$$

Sequence: A267530
Score: 11.0401
Type of gen. func.: ogf

$$-\frac{x (x^3 + x^2 - x - 2)}{(x + 1) (x - 1)^2}$$

Sequence: A267530
Score: 5.63585
Type of gen. func.: ogf

$\{-a(n + 5) + a(n + 4) + a(n + 3) - a(n + 2), a(0) = 0, a(1) = 2, a(2) = 3,$

$a(3) = 4, a(4) = 4\}$

Sequence: A267530
Score: 6.44741

Type of gen. func.: ogf

$$(7 f(x) + 107) (f(x) x^{3} + x^{4} - f(x) x^{2} + x^{3} - f(x) x - x^{2} + f(x) - 2 x)$$

Sequence: A267530
Score: 9.15825
Type of gen. func.: lgdogf

$$- \frac{2 x^{3} + 2 x^{2} - 5 x - 3}{x^{5} + x^{4} - 2 x^{3} - 3 x^{2} + x + 2}$$

Sequence: A267531
Score: 11.3592
Type of gen. func.: ogf

$$\frac{x (x^{3} + x^{2} - x - 2)}{(x + 1) (x - 1)^{3}}$$

Sequence: A267531
Score: 6.32994
Type of gen. func.: ogf

$$-(70 f(x) - 2539) (f(x) x^{4} - 2 f(x) x^{3} - x^{4} - x^{3} + 2 f(x) x + x^{2} - f(x) + 2 x)$$

Sequence: A267531
Score: 8.63773
Type of gen. func.: lgdogf

$$- \frac{x^{4} + 4 x^{3} + 2 x^{2} - 8 x - 5}{x^{5} + x^{4} - 2 x^{3} - 3 x^{2} + x + 2}$$

Sequence: A267534
Score: 8.83227
Type of gen. func.: ogf

$$\frac{(x + 2) (x^6 + x^4 + 2 x^3 + x^2 + x + 2)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A267535
Score: 5.02333
Type of gen. func.: ogf

$$-(237112304220 f(x) + 10300577209)$$

$$(100 f(x) x^2 - 10 x^3 - 101 f(x) x + 9 x^2 + f(x) - 9 x - 1)$$

Sequence: A267535
Score: 5.06197
Type of gen. func.: ogf

$\{a(n + 4) - 101 a(n + 3) + 100 a(n + 2), a(0) = 1, a(1) = 110, a(2) = 11001,$

$a(3) = 1100111\}$

Sequence: A267535
Score: 5.52988
Type of gen. func.: lgdogf

$$- \frac{-1000 x^4 + 2020 x^3 - 39 x^2 + 218 x - 110}{1000 x^5 - 1910 x^4 + 1819 x^3 - 818 x^2 - 92 x + 1}$$

Sequence: A267535
Score: 9.97055
Type of gen. func.: ogf

$$\frac{(10 x + 1) (x^2 - x + 1)}{(100 x - 1) (x - 1)}$$

Sequence: A267536
Score: 12.0312
Type of gen. func.: ogf

$$\frac{(2 x + 1) (x^2 - x + 1)}{(4 x - 1) (x - 1)}$$

Sequence: A267536
Score: 6.27269
Type of gen. func.: ogf

{a(n + 4) - 5 a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 6, a(2) = 25, a(3) = 103}

Sequence: A267536
Score: 6.67185
Type of gen. func.: ogf

$$-(1116 f(x) - 227) (4 f(x) x^2 - 2 x^3 - 5 f(x) x + x^2 + f(x) - x - 1)$$

Sequence: A267536
Score: 7.33905
Type of gen. func.: lgdogf

$$- \frac{-8 x^4 + 20 x^3 - 7 x^2 + 10 x - 6}{8 x^5 - 14 x^4 + 11 x^3 - 2 x^2 - 4 x + 1}$$

Sequence: A267537
Score: 15.7266
Type of gen. func.: ogf

$$- \frac{x^4 - x^2 + 1}{x - 1}$$

Sequence: A267537
Score: 18.2995
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{11} + x^5 + x^3 - x + 1$$

Sequence: A267537
Score: 7.26984
Type of gen. func.: ogf

$$\{-a(n+5)+a(n+4),\ a(0)=1,\ a(1)=1,\ a(2)=0,\ a(3)=0,\ a(4)=1\}$$

Sequence: A267537
Score: 9.28436
Type of gen. func.: ogf

$$-(f(x)-1)\,(x^{4}+f(x)\,x-x^{2}-f(x)+1)$$

Sequence: A267538
Score: 11.8306
Type of gen. func.: ogf

$$\frac{x^{4}-x^{2}+1}{(10\,x-1)\,(x-1)}$$

Sequence: A267538
Score: 5.36927
Type of gen. func.: ogf

$$\{a(n+2)-11\,a(n+1)+10\,a(n),\ a(0)=1,\ a(1)=11,\ a(2)=110,\ a(3)=1100,\ a(4)=11001\}$$

Sequence: A267538
Score: 6.58496
Type of gen. func.: ogf

$$(4951\,f(x)+11989)\,(-x^{4}+10\,f(x)\,x^{2}-11\,f(x)\,x+x^{2}+f(x)-1)$$

Sequence: A267539
Score: 13.4340
Type of gen. func.: ogf

4   2

$$\frac{x - x + 1}{(2 x - 1) (x - 1)}$$

Sequence: A267539
Score: 5.98231
Type of gen. func.: ogf

{-a(n + 5) + 3 a(n + 4) - 2 a(n + 3), a(0) = 1, a(1) = 3, a(2) = 6, a(3) = 12, a(4) = 25}

Sequence: A267539
Score: 7.81362
Type of gen. func.: ogf

$$(7 f(x) + 29) (-x^4 + 2 f(x) x^2 - 3 f(x) x + x^2 + f(x) - 1)$$

Sequence: A267541
Score: 10.2749
Type of gen. func.: ogf

$$\frac{x^5 + 2 x^4 + x^3 + x^2 + 4 x + 2}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A267587
Score: 11.1036
Type of gen. func.: ogf

$$-x^5 + x^3 - f(x) x - x^2 + f(x) + x - 1$$

Sequence: A267587
Score: 12.5598
Type of gen. func.: ogf

$$- \frac{x^5 - x^3 + x^2 - x + 1}{x - 1}$$

Sequence: A267588
Score: 9.83106
Type of gen. func.: ogf

$$\frac{x^5 - x^3 + x^2 - x + 1}{(10 x - 1) (x - 1)}$$

Sequence: A267589
Score: 11.6523
Type of gen. func.: ogf

$$\frac{x^5 - x^3 + x^2 - x + 1}{(2 x - 1) (x - 1)}$$

Sequence: A267595
Score: 4.69806
Type of gen. func.: ogf

$$-(9980010100 f(x) + 4954294401)$$

$$(100 f(x) x^2 + 100 x^3 - 101 f(x) x - 201 x^2 + f(x) + 91 x - 1)$$

Sequence: A267595
Score: 4.88302
Type of gen. func.: ogf

$\{a(n + 4) - 101 a(n + 3) + 100 a(n + 2), a(0) = 1, a(1) = 10, a(2) = 1111,$

$a(3) = 111111\}$

Sequence: A267595
Score: 8.85919
Type of gen. func.: ogf

$$-\frac{100 x^3 - 201 x^2 + 91 x - 1}{(100 x - 1) (x - 1)}$$

Sequence: A267596
Score: 11.7674
Type of gen. func.: ogf

$$-\frac{4x^3 - 9x^2 + 3x - 1}{(4x - 1)(x - 1)}$$

Sequence: A267596
Score: 6.18802
Type of gen. func.: ogf

{a(n + 4) - 5 a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 15, a(3) = 63}

Sequence: A267596
Score: 6.52554
Type of gen. func.: ogf

$$-(788 f(x) + 7297) (4 f(x) x^2 + 4 x^3 - 5 f(x) x - 9 x^2 + f(x) + 3 x - 1)$$

Sequence: A267596
Score: 6.90202
Type of gen. func.: lgdogf

$$-\frac{16x^4 - 40x^3 + 45x^2 - 10x - 2}{-16x^5 + 56x^4 - 61x^3 + 28x^2 - 8x + 1}$$

Sequence: A267597
Score: 18.9593
Type of gen. func.: ogf

$$\frac{64x}{(16x - 1)^2}$$

Sequence: A267597
Score: 25.9111
Type of gen. func.: lgdogf

$$\frac{32}{-16 x + 1}$$

Sequence: A267597
Score: 9.14508
Type of gen. func.: ogf

$$\{a(n + 2) - 32 a(n + 1) + 256 a(n), a(0) = 0, a(1) = 64\}$$

Sequence: A267599
Score: 5.2325
Type of gen. func.: ogf

$$-(9017109 f(x) - 9017110)$$

$$(100 f(x) x^2 - 101 f(x) x - 1000 x^2 + f(x) + 100 x - 1)$$

Sequence: A267599
Score: 5.66454
Type of gen. func.: ogf

$$\{-a(n + 3) + 101 a(n + 2) - 100 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 1001\}$$

Sequence: A267599
Score: 6.49932
Type of gen. func.: lgdogf

$$-\frac{-91000 x^2 + 1800 x + 1}{-100000 x^4 + 111000 x^3 - 11200 x^2 + 201 x - 1}$$

Sequence: A267599
Score: 9.95863
Type of gen. func.: ogf

$$\frac{1000 x^2 - 100 x + 1}{(100 x - 1) (x - 1)}$$

Sequence: A267602
Score: 9.13794
Type of gen. func.: ogf

$$\frac{x^3 (x^3 - x^2 - x - 1)}{(x - 1) (x + 1)}$$

Sequence: A267604
Score: 13.4340
Type of gen. func.: ogf

$$\frac{x^3 - x^2 + 1}{(2 x - 1) (x - 1)}$$

Sequence: A267604
Score: 6.65857
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) + 2 a(n + 2), a(0) = 1, a(1) = 3, a(2) = 6, a(3) = 13}

Sequence: A267604
Score: 7.81362
Type of gen. func.: ogf

$$(8 f(x) + 19) (2 f(x) x^2 - x^3 - 3 f(x) x + x^2 + f(x) - 1)$$

Sequence: A267604
Score: 7.97642
Type of gen. func.: lgdogf

$$- \frac{2 x^4 - 6 x^3 + 6 x^2 - 6 x + 3}{-2 x^5 + 5 x^4 - 4 x^3 - x^2 + 3 x - 1}$$

Sequence: A267613
Score: 4.64237

Type of gen. func.: ogf

$$(81969775778 f(x) + 691622350511)$$

$$(100 f(x) x^2 + 900 x^3 - 101 f(x) x - 1010 x^2 + f(x) + 100 x - 1)$$

Sequence: A267613
Score: 4.90028
Type of gen. func.: ogf

$$\{a(n + 4) - 101 a(n + 3) + 100 a(n + 2), a(0) = 1, a(1) = 1, a(2) = 1011, a(3) = 101111\}$$

Sequence: A267613
Score: 8.57549
Type of gen. func.: ogf

$$-\frac{900 x^3 - 1010 x^2 + 100 x - 1}{(100 x - 1) (x - 1)}$$

Sequence: A267614
Score: 12.3493
Type of gen. func.: ogf

$$-\frac{4 x^3 - 10 x^2 + 4 x - 1}{(4 x - 1) (x - 1)}$$

Sequence: A267614
Score: 6.60047
Type of gen. func.: ogf

$$\{a(n + 4) - 5 a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 1, a(2) = 11, a(3) = 47\}$$

Sequence: A267614
Score: 7.15563
Type of gen. func.: ogf

$$(498 f(x) + 4423) (4 f(x) x^2 + 4 x^3 - 5 f(x) x - 10 x^2 + f(x) + 4 x - 1)$$

Sequence: A267614
Score: 7.36206
Type of gen. func.: lgdogf

$$-\frac{16x^4-40x^3+46x^2-12x-1}{-16x^5+60x^4-70x^3+34x^2-9x+1}$$

Sequence: A267615
Score: 10.1466
Type of gen. func.: ogf

$$(9f(x)-277)(2f(x)x^2-3f(x)x+f(x)+23x-12)$$

Sequence: A267615
Score: 10.7506
Type of gen. func.: ogf

{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 12, a(1) = 13}

Sequence: A267615
Score: 12.7190
Type of gen. func.: lgdogf

$$-\frac{-46x^2+48x-13}{-46x^3+93x^2-59x+12}$$

Sequence: A267615
Score: 19.2138
Type of gen. func.: ogf

$$-\frac{23x-12}{(2x-1)(x-1)}$$

Sequence: A267622
Score: 12.1862
Type of gen. func.: ogf

$$\frac{10 x^{2} + 1}{(100 x - 1) (x - 1)}$$

Sequence: A267622
Score: 5.87550
Type of gen. func.: ogf

$$\{-a(n + 3) + 101 a(n + 2) - 100 a(n + 1), a(0) = 1, a(1) = 101, a(2) = 10111\}$$

Sequence: A267622
Score: 6.58056
Type of gen. func.: ogf

$$(10021 f(x) + 180) (100 f(x) x^{2} - 101 f(x) x - 10 x^{2} + f(x) - 1)$$

Sequence: A267622
Score: 7.39389
Type of gen. func.: lgdogf

$$- \frac{1010 x^{2} + 180 x - 101}{1000 x^{4} - 1010 x^{3} + 110 x^{2} - 101 x + 1}$$

Sequence: A267623
Score: 12.6910
Type of gen. func.: ogf

$$\frac{x^{2} - x + 1}{(10 x - 1) (x - 1)}$$

Sequence: A267623
Score: 6.52341
Type of gen. func.: ogf

$\{-a(n + 3) + 11 a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 10, a(2) = 101\}$

Sequence: A267623
Score: 7.27089
Type of gen. func.: ogf

$$(2 + 23 f(x)) (10 f(x) x^2 - 11 f(x) x - x^2 + f(x) + x - 1)$$

Sequence: A267623
Score: 8.94878
Type of gen. func.: lgdogf

$$-\frac{x^2 + 18 x - 10}{10 x^4 - 21 x^3 + 22 x^2 - 12 x + 1}$$

Sequence: A267625
Score: 2.77259
Type of gen. func.: egf]

$$(33 f(x) + 268) (f(x) x^3 + f(x) x^2 + x^3 - 4 f(x) x + 4 x^2 + 2 f(x) - 2 x - 2)$$

Sequence: A267625
Score: 4.90226
Type of gen. func.: egf]

$$-\frac{x^3 + 4 x^2 - 2 x - 2}{(x - 1) (x^2 + 2 x - 2)}$$

Sequence: A267638
Score: 7.49727
Type of gen. func.: ogf

$$-\frac{2 (2 x^4 - 2 x^3 - x^2 + 3 x + 1)}{(2 x - 1) (2 x + 1) (x - 1) (2 x^2 - 1)}$$

Sequence: A267649
Score: 11.3972
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2), a(0) = 2, a(1) = 2, a(2) = 4\}$$

Sequence: A267649
Score: 12.7649
Type of gen. func.: ogf

$$-(f(x) - 2) (f(x) x + 2 x^2 - f(x) + 2)$$

Sequence: A267649
Score: 14.9589
Type of gen. func.: lgdogf

$$-\frac{x^2 - 2 x - 1}{-x^3 + x^2 - x + 1}$$

Sequence: A267649
Score: 23.3505
Type of gen. func.: ogf

$$-\frac{2 (x^2 + 1)}{x - 1}$$

Sequence: A267649
Score: 32.9424
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^3 + x + 1]$$

Sequence: A267652
Score: 10.4498
Type of gen. func.: ogf

$$\{-a(n + 2) + 4\ a(n + 1) + 4\ a(n),\ a(0) = 2,\ a(1) = 3\}$$

Sequence: A267652
Score: 12.4186
Type of gen. func.: lgdogf

$$-\frac{20\ x^{2} - 16\ x - 3}{20\ x^{3} + 12\ x^{2} - 13\ x + 2}$$

Sequence: A267652
Score: 19.0418
Type of gen. func.: ogf

$$\frac{5\ x - 2}{4\ x^{2} + 4\ x - 1}$$

Sequence: A267652
Score: 9.41626
Type of gen. func.: ogf

$$-(28\ f(x) - 47)\ (4\ f(x)\ x^{2} + 4\ f(x)\ x - f(x) - 5\ x + 2)$$

Sequence: A267654
Score: 9.93216
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{4} + x^{3} + 2\ x^{2} + 2}{-x^{3} - x^{2} - x - 1}$$

Sequence: A267661
Score: 7.24836
Type of gen. func.: ogf

$$2\ (x^{3} - 2\ x^{2} - 1)$$

$$- \frac{}{(x - 1) (x + 1) (x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A267668
Score: 4.94088
Type of gen. func.: ogf

$$- \frac{4 (8 x^6 - 8 x^5 - 8 x^4 - 5 x^2 - 7 x - 1)}{(2 x - 1) (2 x + 1) (x - 1) (8 x^2 - 1) (2 x^2 - 1)}$$

Sequence: A267677
Score: 5.64955
Type of gen. func.: ogf

$$\frac{10000 x^5 + 9900 x^4 - 100 x^3 - 9999 x^2 + 100 x - 1}{(x - 1) (100 x - 1) (10 x - 1) (x + 1)}$$

Sequence: A267678
Score: 7.64484
Type of gen. func.: ogf

$$\frac{16 x^5 + 12 x^4 - 4 x^3 - 15 x^2 + 4 x - 1}{(x - 1) (4 x - 1) (2 x - 1) (x + 1)}$$

Sequence: A267680
Score: 6.37188
Type of gen. func.: ogf

$$\frac{101000 x^4 - 89910 x^3 - 10101 x^2 + 101 x - 1}{(x - 1) (10 x + 1) (100 x - 1) (10 x - 1)}$$

Sequence: A267681
Score: 5.08717
Type of gen. func.: ogf

-(1309 f(x) - 10513) (

$$16 f(x) x^4 - 20 f(x) x^3 - 40 x^4 + 14 x^3 + 5 f(x) x + 21 x^2 - f(x) - 5 x + 1$$

$$)$$

Sequence: A267681
Score: 8.87155
Type of gen. func.: ogf

$$\frac{40 x^4 - 14 x^3 - 21 x^2 + 5 x - 1}{(2 x - 1) (2 x + 1) (4 x - 1) (x - 1)}$$

Sequence: A267682
Score: 12.0234
Type of gen. func.: ogf

$$- \frac{2 x^3 + 2 x^2 - x + 1}{(x + 1) (x - 1)^3}$$

Sequence: A267682
Score: 6.63692
Type of gen. func.: ogf

$$(3936 f(x) - 5935)$$

$$(f(x) x^4 - 2 f(x) x^3 + 2 x^3 + 2 f(x) x + 2 x^2 - f(x) - x + 1)$$

Sequence: A267682
Score: 8.64183
Type of gen. func.: lgdogf

$$- \frac{-2 x^4 - 8 x^3 - 7 x^2 - 6 x - 1}{-2 x^5 - 2 x^4 + 3 x^3 + x^2 - x + 1}$$

Sequence: A267684
Score: 3.51902
Type of gen. func.: ogf

$$(7154074109862907217100 f(x) + 2467989442317531578071) (1000 f(x) x^3 + 1000 x^4 - 1110 f(x) x^2 - 2110 x^3 + 111 f(x) x + 1021 x^2 - f(x) - 11 x + 1)$$

Sequence: A267684
Score: 6.92691
Type of gen. func.: ogf

$$- \frac{1000 x^4 - 2110 x^3 + 1021 x^2 - 11 x + 1}{(10 x - 1) (100 x - 1) (x - 1)}$$

Sequence: A267685
Score: 4.89270
Type of gen. func.: ogf

$$\{-a(n + 5) + 7 a(n + 4) - 14 a(n + 3) + 8 a(n + 2), a(0) = 1, a(1) = 4, a(2) = 27, a(3) = 119, a(4) = 495\}$$

Sequence: A267685
Score: 5.24217
Type of gen. func.: ogf

$$(331020 f(x) - 437233) (8 f(x) x^3 + 8 x^4 - 14 f(x) x^2 - 22 x^3 + 7 f(x) x + 13 x^2 - f(x) - 3 x + 1)$$

Sequence: A267685
Score: 9.17381
Type of gen. func.: ogf

$$- \frac{8 x^4 - 22 x^3 + 13 x^2 - 3 x + 1}{(2 x - 1) (4 x - 1) (x - 1)}$$

Sequence: A267688
Score: 3.63567
Type of gen. func.: ogf

$$(433154220209337 f(x) - 21954736042667) (1000 f(x) x^4 - 110 f(x) x^3 - 1000 x^4 - 999 f(x) x^2 + 10 x^3 + 110 f(x) x - x^2 - f(x) + 1)$$

Sequence: A267688
Score: 7.00060
Type of gen. func.: ogf

$$\frac{1000 x^4 - 10 x^3 + x^2 - 1}{(x - 1) (100 x - 1) (10 x - 1) (x + 1)}$$

Sequence: A267689
Score: 5.02674
Type of gen. func.: ogf

$$(135 f(x) - 2381) (8 f(x) x^4 - 6 f(x) x^3 - 8 x^4 - 7 f(x) x^2 + 2 x^3 + 6 f(x) x - x^2 - f(x) + 1)$$

Sequence: A267689
Score: 9.06056
Type of gen. func.: ogf

$$\frac{(2 x + 1) (4 x^3 - 3 x^2 + 2 x - 1)}{(x - 1) (4 x - 1) (2 x - 1) (x + 1)}$$

Sequence: A267691
Score: 7.70795
Type of gen. func.: ogf

$$\frac{16 x^4 + x^3 + 11 x^2 - 5 x + 1}{(x - 1)^6}$$

Sequence: A267691
Score: 7.93246
Type of gen. func.: lgdogf

$$-\frac{-32\,x^4-67\,x^3-47\,x^2+3\,x-1}{-16\,x^5+15\,x^4-10\,x^3+16\,x^2-6\,x+1}$$

Sequence: A267705
Score: 3.68173
Type of gen. func.: ogf

$$-(-82017014373410620181+7362151858152163710\,f(x))\,(1000\,f(x)\,x^3-1110\,f(x)\,x^2-10100\,x^3+111\,f(x)\,x+10101\,x^2-f(x)-101\,x+1)$$

Sequence: A267705
Score: 4.34005
Type of gen. func.: ogf

$$\{-a(n+4)+111\,a(n+3)-1110\,a(n+2)+1000\,a(n+1),\ a(0)=1,\ a(1)=10,\ a(2)=10101,\ a(3)=1101011\}$$

Sequence: A267705
Score: 7.53274
Type of gen. func.: ogf

$$\frac{10100\,x^3-10101\,x^2+101\,x-1}{(10\,x-1)\,(100\,x-1)\,(x-1)}$$

Sequence: A267706
Score: 11.1172
Type of gen. func.: ogf

$$-\frac{31457\,x^2-58460\,x+27277}{(x-1)^3}$$

Sequence: A267706
Score: 5.48347

Type of gen. func.: ogf

$$(17942469547 f(x) - 1814423506863379)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 31457 x^2 - f(x) - 58460 x + 27277)$$

Sequence: A267706
Score: 6.54479
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 27277, a(1) = 23371, a(2) = 19739\}$$

Sequence: A267706
Score: 8.82124
Type of gen. func.: lgdogf

$$-\frac{-31457 x^2 + 54006 x - 23371}{-31457 x^3 + 89917 x^2 - 85737 x + 27277}$$

Sequence: A267707
Score: 8.54267
Type of gen. func.: ogf

$$-\frac{x^4 - 2 x^3 + 5 x^2 - 2 x + 1}{(x - 1)^5}$$

Sequence: A267707
Score: 9.22220
Type of gen. func.: lgdogf

$$-\frac{-x^4 - 9 x^2 - 2 x - 3}{-x^5 + 3 x^4 - 7 x^3 + 7 x^2 - 3 x + 1}$$

Sequence: A267711

Score: 13.2211
Type of gen. func.: ogf

$$\frac{x (13 x^2 + x + 1)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A267711
Score: 5.28845
Type of gen. func.: ogf

{(5 n + 11) a(n + 1) + 5 a(n + 2) + 5 a(n + 3) + (-5 n - 6) a(n + 4), a(0) = 0,

a(1) = 1, a(2) = 2, a(3) = 15}

Sequence: A267711
Score: 6.87081
Type of gen. func.: ogf

$$-(1020 f(x) + 15577) (f(x) x^4 - f(x) x^3 - 13 x^3 - f(x) x - x^2 + f(x) - x)$$

Sequence: A267711
Score: 8.55484
Type of gen. func.: lgdogf

$$- \frac{-26 x^4 - 16 x^3 - 18 x^2 - 28 x - 2}{-13 x^5 - x^4 - x^3 + 13 x^2 + x + 1}$$

Sequence: A267714
Score: 3.70007
Type of gen. func.: ogf

$$\frac{6 (x^{10} - x^9 + x^8 - 4 x^7 - 2 x^6 + 2 x^5 + 2 x^4 + 3 x^3 - x^2 - 4 x - 1)}{(x + 1)^5 (x - 1)^7}$$

Sequence: A267729
Score: 4.08248

Type of gen. func.: ogf

$$-\frac{x^8 - 6x^7 + 7x^6 + 17x^5 - 26x^4 - 13x^3 + 8x^2 + 8x - 4}{(x+1)^3 (x^2 - 3x + 1)^3}$$

Sequence: A267737
Score: 5.46816
Type of gen. func.: ogf

$$(12121 f(x) + 3422)$$

$$(2 f(x) x^3 + 4 x^4 - f(x) x^2 + 16 x^3 - 2 f(x) x + 4 x^2 + f(x) - 8 x - 1)$$

Sequence: A267737
Score: 9.46414
Type of gen. func.: ogf

$$-\frac{4x^4 + 16x^3 + 4x^2 - 8x - 1}{(x+1)(2x-1)(x-1)}$$

Sequence: A267738
Score: 8.58661
Type of gen. func.: ogf

$$\frac{x^5 - 6x^4 + 22x^3 - 46x^2 + 32x + 1}{(2x-1)(x-1)}$$

Sequence: A267747
Score: 12.8909
Type of gen. func.: lgdogf

$$-\frac{-58x^2 - 32x - 30}{-29x^3 - x^2 + 29x + 1}$$

Sequence: A267747

Score: 15.3357
Type of gen. func.: ogf

$$\frac{x\,(29\,x + 1)}{(x + 1)\,(x - 1)^2}$$

Sequence: A267747
Score: 7.41226
Type of gen. func.: ogf

$$(703020\,f(x) + 21897931)\,(f(x)\,x^3 - f(x)\,x^2 - f(x)\,x - 29\,x^2 + f(x) - x)$$

Sequence: A267747
Score: 7.94171
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 30\}$$

Sequence: A267755
Score: 10.2260
Type of gen. func.: ogf

$$\frac{2\,x^5 + 4\,x^4 + x^3 + x^2 + 2\,x + 1}{(x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A267774
Score: 10.4844
Type of gen. func.: ogf

$$\frac{4\,x^3 - x^2 + x - 1}{(2\,x - 1)\,(4\,x - 1)\,(x - 1)}$$

Sequence: A267774
Score: 5.39636
Type of gen. func.: ogf

$\{-a(n + 4) + 7\,a(n + 3) - 14\,a(n + 2) + 8\,a(n + 1),\ a(0) = 1,\ a(1) = 6,$

$a(2) = 29, a(3) = 123\}$

Sequence: A267774
Score: 5.77877
Type of gen. func.: ogf

$$(1458 f(x) + 13477)$$

$$(8 f(x) x^{3} - 14 f(x) x^{2} - 4 x^{3} + 7 f(x) x + x^{2} - f(x) - x + 1)$$

Sequence: A267774
Score: 6.49473
Type of gen. func.: lgdogf

$$-\frac{48 x^{4} - 40 x^{3} - 19 x^{2} + 26 x - 6}{32 x^{6} - 64 x^{5} + 50 x^{4} - 33 x^{3} + 22 x^{2} - 8 x + 1}$$

Sequence: A267775
Score: 4.11285
Type of gen. func.: ogf

$$-(709850790721710 f(x) - 27545968815881)$$

$$(1000 f(x) x^{3} - 1110 f(x) x^{2} - 100 x^{3} + 111 f(x) x + x^{2} - f(x) - x + 1)$$

Sequence: A267775
Score: 4.32932
Type of gen. func.: ogf

$\{-a(n + 4) + 111 a(n + 3) - 1110 a(n + 2) + 1000 a(n + 1), a(0) = 1, a(1) = 110,$

$a(2) = 11101, a(3) = 1111011\}$

Sequence: A267775
Score: 8.32982
Type of gen. func.: ogf

$$\underline{100 x^{3} - x^{2} + x - 1}$$

$$(10 x - 1) (100 x - 1) (x - 1)$$

Sequence: A267777
Score: 10.3594
Type of gen. func.: ogf

$$\frac{11000 x^2 - 100 x + 1}{(100 x - 1) (x - 1)}$$

Sequence: A267777
Score: 5.1389
Type of gen. func.: ogf

$$-(-13191387210 + 13191387209 f(x))$$

$$(100 f(x) x^2 - 101 f(x) x - 11000 x^2 + f(x) + 100 x - 1)$$

Sequence: A267777
Score: 5.93309
Type of gen. func.: ogf

$$\{-a(n + 3) + 101 a(n + 2) - 100 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 11001\}$$

Sequence: A267777
Score: 6.52640
Type of gen. func.: lgdogf

$$- \frac{1101000 x^2 - 21800 x - 1}{1100000 x^4 - 1121000 x^3 + 21200 x^2 - 201 x + 1}$$

Sequence: A267779
Score: 4.19144
Type of gen. func.: ogf

$$-(5741889041449 f(x) - 2111880006625)$$

$$(100 f(x) x^3 - f(x) x^2 - 11000 x^3 - 100 f(x) x - 900 x^2 + f(x) - x - 1)$$

Sequence: A267779
Score: 4.44632
Type of gen. func.: ogf

$$\{a(n + 4) - 100 a(n + 3) - a(n + 2) + 100 a(n + 1), a(0) = 1, a(1) = 101, a(2) = 11001, a(3) = 1111101\}$$

Sequence: A267779
Score: 8.32982
Type of gen. func.: ogf

$$\frac{11000 x^3 + 900 x^2 + x + 1}{(x - 1) (100 x - 1) (x + 1)}$$

Sequence: A267780
Score: 10.4844
Type of gen. func.: ogf

$$\frac{24 x^3 + 4 x^2 + x + 1}{(x - 1) (4 x - 1) (x + 1)}$$

Sequence: A267780
Score: 5.43633
Type of gen. func.: ogf

$$\{-a(n + 4) + 4 a(n + 3) + a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 5, a(2) = 25, a(3) = 125\}$$

Sequence: A267780
Score: 6.32676
Type of gen. func.: ogf

$$-f(x) (4 f(x) x^3 - f(x) x^2 - 24 x^3 - 4 f(x) x - 4 x^2 + f(x) - x - 1)$$

Sequence: A267780
Score: 6.55272

Type of gen. func.: lgdogf

$$-\frac{40 x^4 + 200 x^3 - 45 x^2 - 10 x - 5}{96 x^6 - 8 x^5 - 96 x^4 + 11 x^3 - x^2 - 3 x + 1}$$

Sequence: A267781
Score: 10.7542
Type of gen. func.: ogf

$$-\frac{14 x^7 + 32 x^6 - 16 x^5 - 30 x^4 + x^2 - 14 x - 17}{(x + 1) (x - 1)^2}$$

Sequence: A267796
Score: 19.3494
Type of gen. func.: ogf

$$\frac{4}{(16 x - 1)^2}$$

Sequence: A267796
Score: 23.2193
Type of gen. func.: lgdogf

$$\frac{32}{-16 x + 1}$$

Sequence: A267796
Score: 8.00666
Type of gen. func.: ogf

$$\{-a(n + 2) + 32 a(n + 1) - 256 a(n), a(0) = 4, a(1) = 128\}$$

Sequence: A267796
Score: 8.19505
Type of gen. func.: ogf

$$(5 f(x) + 44) (256 f(x) x^2 - 32 f(x) x + f(x) - 4)$$

Sequence: A267797
Score: 13.8646
Type of gen. func.: ogf

$$-\frac{4 (x - 19)}{x^2 - 18 x + 1}$$

Sequence: A267797
Score: 7.08303
Type of gen. func.: ogf

$$(1525 f(x) + 381) (f(x) x^2 - 18 f(x) x + f(x) + 4 x - 76)$$

Sequence: A267797
Score: 7.49009
Type of gen. func.: ogf

$$\{-a(n + 2) + 18 a(n + 1) - a(n), a(0) = 76, a(1) = 1364\}$$

Sequence: A267797
Score: 9.17800
Type of gen. func.: lgdogf

$$-\frac{-x^2 + 38 x - 341}{-x^3 + 37 x^2 - 343 x + 19}$$

Sequence: A267799
Score: 14.1987
Type of gen. func.: ogf

$$-\frac{9 x^2 - 11 x + 3}{(x - 1) (3 x - 1) (2 x - 1)}$$

```
------------------------------------------------------------------------------

Sequence:  A267799
Score: 7.45429
Type of gen. func.: ogf


                           3           2                 2
 -(83 f(x) + 435) (6 f(x) x  - 11 f(x) x  + 6 f(x) x + 9 x  - f(x) - 11 x + 3)



------------------------------------------------------------------------------

Sequence:  A267799
Score: 7.84663
Type of gen. func.: ogf


 {-a(n + 3) + 6 a(n + 2) - 11 a(n + 1) + 6 a(n), a(0) = 3, a(1) = 7, a(2) = 18}



------------------------------------------------------------------------------

Sequence:  A267799
Score: 8.13196
Type of gen. func.: lgdogf


                           4        3        2
                       54 x  - 132 x  + 121 x  - 48 x + 7
                 - -------------------------------------------
                       5        4        3        2
                   54 x  - 165 x  + 193 x  - 108 x  + 29 x - 3



------------------------------------------------------------------------------

Sequence:  A267801
Score: 4.7489
Type of gen. func.: ogf


-(10657595421 f(x) - 44157052945)

               2           3                      2
    (100 f(x) x  - 100000 x  - 101 f(x) x - 9000 x  + f(x) + 90 x - 1)



------------------------------------------------------------------------------

Sequence:  A267801
Score: 5.08022
Type of gen. func.: ogf


{a(n + 4) - 101 a(n + 3) + 100 a(n + 2), a(0) = 1, a(1) = 11, a(2) = 10011,

    a(3) = 1110011}



------------------------------------------------------------------------------

Sequence:  A267801
Score: 8.85605
Type of gen. func.: ogf
```

$$\frac{(10 x + 1) (10000 x^2 - 100 x + 1)}{(100 x - 1) (x - 1)}$$

Sequence: A267802
Score: 11.8372
Type of gen. func.: ogf

$$\frac{(2 x + 1) (16 x^2 - 4 x + 1)}{(4 x - 1) (x - 1)}$$

Sequence: A267802
Score: 6.27269
Type of gen. func.: ogf

$$\{a(n + 4) - 5 a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 3, a(2) = 19, a(3) = 115\}$$

Sequence: A267802
Score: 6.85893
Type of gen. func.: lgdogf

$$- \frac{-128 x^4 + 320 x^3 - 64 x^2 - 8 x - 3}{128 x^5 - 128 x^4 - 16 x^3 + 22 x^2 - 7 x + 1}$$

Sequence: A267802
Score: 6.92362
Type of gen. func.: ogf

$$(477 f(x) - 421) (4 f(x) x^2 - 32 x^3 - 5 f(x) x - 8 x^2 + f(x) + 2 x - 1)$$

Sequence: A267804
Score: 4.56983
Type of gen. func.: ogf

$$(12109477596523 f(x) - 527251679791309)$$

$$(10000 f(x) x^4 - 10001 f(x) x^2 + 10000 x^3 - 110 x^2 + f(x) - 111 x - 1)$$

Sequence: A267804
Score: 8.12415
Type of gen. func.: ogf

$$-\frac{10000 x^3 - 110 x^2 - 111 x - 1}{(x - 1) (100 x - 1) (100 x + 1) (x + 1)}$$

Sequence: A267805
Score: 10.7454
Type of gen. func.: ogf

$$-\frac{16 x^3 - 6 x^2 - 7 x - 1}{(x - 1) (4 x - 1) (4 x + 1) (x + 1)}$$

Sequence: A267805
Score: 6.7656
Type of gen. func.: ogf

$$(556 f(x) + 361) (16 f(x) x^4 - 17 f(x) x^2 + 16 x^3 - 6 x^2 + f(x) - 7 x - 1)$$

Sequence: A267806
Score: 11.6741
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 - x - 1}{(x + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A267807
Score: 8.00258
Type of gen. func.: ogf

$$-\frac{x^8 - x^7 - 2 x^6 - 2 x^5 - 2 x^3 - x^2 - x - 1}{(x^2 + 1) (x^4 + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A267808
Score: 10.6304
Type of gen. func.: ogf

$$-\frac{x^5 - 2x^4 - x^3 - x^2 - 1}{(x + 1)(x^2 + x + 1)(x^2 - x + 1)(x - 1)^2}$$

Sequence: A267811
Score: 3.41696
Type of gen. func.: ogf

$$(72170925116085856071 f(x) + 7166900857575647434630)(1000 f(x) x^3 + 100000 x^4 - 1110 f(x) x^2 - 112000 x^3 + 111 f(x) x + 12010 x^2 - f(x) - 110 x + 1)$$

Sequence: A267811
Score: 3.83906
Type of gen. func.: ogf

$$\{-a(n + 5) + 111 a(n + 4) - 1110 a(n + 3) + 1000 a(n + 2), a(0) = 1, a(1) = 1, a(2) = 11011, a(3) = 1110111, a(4) = 111101111\}$$

Sequence: A267811
Score: 6.46178
Type of gen. func.: ogf

$$-\frac{100000 x^4 - 112000 x^3 + 12010 x^2 - 110 x + 1}{(10 x - 1)(100 x - 1)(x - 1)}$$

Sequence: A267812
Score: 4.89270
Type of gen. func.: ogf

$$\{-a(n + 5) + 7 a(n + 4) - 14 a(n + 3) + 8 a(n + 2), a(0) = 1, a(1) = 1, a(2) = 27, a(3) = 119, a(4) = 495\}$$

Sequence: A267812
Score: 5.16834
Type of gen. func.: ogf

$$-(7965 f(x) + 13162) (8 f(x) x^3 + 32 x^4 - 14 f(x) x^2 - 64 x^3 + 7 f(x) x + 34 x^2 - f(x) - 6 x + 1)$$

Sequence: A267812
Score: 9.06056
Type of gen. func.: ogf

$$-\frac{32 x^4 - 64 x^3 + 34 x^2 - 6 x + 1}{(2 x - 1) (4 x - 1) (x - 1)}$$

Sequence: A267815
Score: 3.90088
Type of gen. func.: ogf

$$-(-795990587547200 + 72170881480071 f(x)) (1000 f(x) x^3 - 1110 f(x) x^2 - 10000 x^3 + 111 f(x) x + 10000 x^2 - f(x) - 100 x + 1)$$

Sequence: A267815
Score: 4.34005
Type of gen. func.: ogf

$$\{-a(n + 4) + 111 a(n + 3) - 1110 a(n + 2) + 1000 a(n + 1), a(0) = 1, a(1) = 11, a(2) = 10111, a(3) = 1101111\}$$

Sequence: A267815
Score: 7.53274
Type of gen. func.: ogf

$$\frac{10000 x^3 - 10000 x^2 + 100 x - 1}{(10 x - 1) (100 x - 1) (x - 1)}$$

Sequence: A267816
Score: 10.1931
Type of gen. func.: ogf

$$\frac{16 x^3 - 16 x^2 + 4 x - 1}{(2 x - 1) (4 x - 1) (x - 1)}$$

Sequence: A267816
Score: 5.39636
Type of gen. func.: ogf

$$\{-a(n + 4) + 7 a(n + 3) - 14 a(n + 2) + 8 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 23, a(3) = 111\}$$

Sequence: A267816
Score: 5.51807
Type of gen. func.: ogf

$$-(1215 f(x) - 13024) (8 f(x) x^3 - 14 f(x) x^2 - 16 x^3 + 7 f(x) x + 16 x^2 - f(x) - 4 x + 1)$$

Sequence: A267831
Score: 9.39872
Type of gen. func.: ogf

$$\frac{3 x^3 + 7 x^2 - 5 x - 1}{(x - 1) (x^2 + 1)^2}$$

Sequence: A267832
Score: 3.02355
Type of gen. func.: egf]

$$(f(x) - 1) (f(x) x^3 + f(x) x^2 - 4 f(x) x + 2 f(x) - 2 x - 2)$$

Sequence: A267832

Score: 5.87596
Type of gen. func.: egf]

$$\frac{2 (x + 1)}{(x - 1) (x^2 + 2 x - 2)}$$

Sequence: A267843
Score: 4.77573
Type of gen. func.: ogf

$$(12 x^{10} - 17 x^9 - 139 x^8 + 20 x^7 - 12 x^6 - 12 x^5 - 12 x^4 - 12 x^3 - 24 x^2 + 5 x - 1) / ((4 x - 1) (x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2)$$

Sequence: A267846
Score: 4.73422
Type of gen. func.: ogf

$$-(2224220298190 f(x) - 1150622341961) (100 f(x) x^2 - 9000 x^3 - 101 f(x) x - 1010 x^2 + f(x) + x - 1)$$

Sequence: A267846
Score: 5.06197
Type of gen. func.: ogf

$$\{a(n + 4) - 101 a(n + 3) + 100 a(n + 2), a(0) = 1, a(1) = 100, a(2) = 11010, a(3) = 1111010\}$$

Sequence: A267846
Score: 9.26839
Type of gen. func.: ogf

$$\frac{9000 x^3 + 1010 x^2 - x + 1}{(100 x - 1) (x - 1)}$$

Sequence: A267847

Score: 11.8372
Type of gen. func.: ogf

$$\frac{8x^3 + 10x^2 - x + 1}{(4x - 1)(x - 1)}$$

Sequence: A267847
Score: 6.27269
Type of gen. func.: ogf

$$\{a(n + 4) - 5 a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 4, a(2) = 26, a(3) = 122\}$$

Sequence: A267847
Score: 6.43775
Type of gen. func.: ogf

$$-(17238 f(x) - 14089) (4 f(x) x^2 - 8 x^3 - 5 f(x) x - 10 x^2 + f(x) + x - 1)$$

Sequence: A267847
Score: 7.72532
Type of gen. func.: lgdogf

$$-\frac{-32 x^4 + 80 x^3 + 22 x^2 - 12 x - 4}{32 x^5 - 46 x^3 + 19 x^2 - 6 x + 1}$$

Sequence: A267850
Score: 5.08022
Type of gen. func.: ogf

$$\{a(n + 4) - 101 a(n + 3) + 100 a(n + 2), a(0) = 1, a(1) = 10, a(2) = 11110, a(3) = 1111110\}$$

Sequence: A267850
Score: 5.11991
Type of gen. func.: ogf

$$(7769077 f(x) + 803872680)$$

$$(100 f(x) x^2 + 10000 x^3 - 101 f(x) x - 10200 x^2 + f(x) + 91 x - 1)$$

Sequence: A267850
Score: 8.85605
Type of gen. func.: ogf

$$-\frac{10000 x^3 - 10200 x^2 + 91 x - 1}{(100 x - 1) (x - 1)}$$

Sequence: A267851
Score: 11.6493
Type of gen. func.: ogf

$$-\frac{16 x^3 - 24 x^2 + 3 x - 1}{(4 x - 1) (x - 1)}$$

Sequence: A267851
Score: 6.27269
Type of gen. func.: ogf

{a(n + 4) - 5 a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 30, a(3) = 126}

Sequence: A267851
Score: 6.79542
Type of gen. func.: lgdogf

$$-\frac{64 x^4 - 160 x^3 + 156 x^2 - 40 x - 2}{-64 x^5 + 176 x^4 - 148 x^3 + 43 x^2 - 8 x + 1}$$

Sequence: A267851
Score: 6.92362
Type of gen. func.: ogf

$$(61 f(x) + 776) (4 f(x) x^2 + 16 x^3 - 5 f(x) x - 24 x^2 + f(x) + 3 x - 1)$$

Sequence: A267854
Score: 5.26445
Type of gen. func.: ogf

$$-\frac{10000000 x^{5} - 100000 x^{4} - 11000 x^{3} - 100 x^{2} - 110 x - 1}{(10 x + 1) (100 x - 1) (100 x + 1) (10 x - 1) (100 x^{2} + 1)}$$

Sequence: A267855
Score: 7.53285
Type of gen. func.: ogf

$$-\frac{128 x^{5} - 32 x^{4} - 24 x^{3} - 4 x^{2} - 6 x - 1}{(4 x - 1) (2 x + 1) (2 x - 1) (4 x + 1) (4 x^{2} + 1)}$$

Sequence: A267867
Score: 11.1535
Type of gen. func.: ogf

$$\frac{100 x^{2} + 9 x + 1}{(100 x - 1) (x - 1)}$$

Sequence: A267867
Score: 5.87550
Type of gen. func.: ogf

$$\{-a(n + 3) + 101 a(n + 2) - 100 a(n + 1), a(0) = 1, a(1) = 110, a(2) = 11110\}$$

Sequence: A267867
Score: 7.83400
Type of gen. func.: lgdogf

$$-\frac{11000 x^{2} - 110}{10000 x^{4} - 9200 x^{3} - 709 x^{2} - 92 x + 1}$$

Sequence: A267867
Score: 8.54618
Type of gen. func.: ogf

$$-100 f(x) x^2 + 101 f(x) x + 100 x^2 - f(x) + 9 x + 1$$

Sequence: A267868
Score: 7.92405
Type of gen. func.: ogf

$$-\frac{x^{13} - x^{12} + x^8 - x^7 + x^6 - x^5 + x^4 - x + 1}{x - 1}$$

Sequence: A267869
Score: 11.7869
Type of gen. func.: ogf

$$-\frac{x^7 - x^6 + x^4 - x^2 + 1}{x - 1}$$

Sequence: A267870
Score: 12.6328
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 + x^2 - x + 1}{x - 1}$$

Sequence: A267870
Score: 26.5027
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9 + x^4 + x$$

Sequence: A267870
Score: 6.53053
Type of gen. func.: ogf

$\{a(n + 3) - a(n + 1), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 0, a(4) = 1,$

$a(5) = 1\}$

Sequence: A267870
Score: 8.8575
Type of gen. func.: ogf

$$-f(x) (x^4 - x^3 + f(x) x + x^2 - f(x) - x + 1)$$

Sequence: A267871
Score: 13.5975
Type of gen. func.: ogf

$$-x^4 + x^3 - f(x) x + f(x) - 1$$

Sequence: A267871
Score: 15.8175
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 + 1}{x - 1}$$

Sequence: A267871
Score: 9.22687
Type of gen. func.: lgdogf

$$-\frac{3 x^4 - 6 x^3 + 3 x^2 - 1}{-x^5 + 2 x^4 - x^3 - x + 1}$$

Sequence: A267872
Score: 10.3578
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 6 x^2 + 7 x + 1}{{}^{4} \qquad {}^{3} \qquad {}^{2}}$$

$$-2 x + 6 x - 5 x + 2 x - 1$$

Sequence: A267872
Score: 13.5840
Type of gen. func.: ogf

$$-\frac{2 x^{3} - 4 x^{2} + x - 1}{(x - 1)^{2}}$$

Sequence: A267872
Score: 7.26865
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) + a(n + 2), a(0) = 1, a(1) = 1, a(2) = 5, a(3) = 7\}$$

Sequence: A267872
Score: 7.67247
Type of gen. func.: ogf

$$-(20 f(x) + 313) (f(x) x^{2} + 2 x^{3} - 2 f(x) x - 4 x^{2} + f(x) + x - 1)$$

Sequence: A267873
Score: 13.5840
Type of gen. func.: ogf

$$-\frac{x^{4} - 3 x^{2} + x - 1}{(x - 1)^{2}}$$

Sequence: A267873
Score: 6.57640
Type of gen. func.: ogf

$$\{a(n + 5) - 2 a(n + 4) + a(n + 3), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 7, a(4) = 9\}$$

Sequence: A267873
Score: 7.67247
Type of gen. func.: ogf

$$-(4 f(x) + 1419) (x^4 + f(x) x^2 - 2 f(x) x - 3 x^2 + f(x) + x - 1)$$

Sequence: A267873
Score: 9.41620
Type of gen. func.: lgdogf

$$-\frac{2 x^4 - 4 x^3 + 5 x + 1}{-x^5 + x^4 + 3 x^3 - 4 x^2 + 2 x - 1}$$

Sequence: A267874
Score: 11.8494
Type of gen. func.: ogf

$$\frac{x^4 - 3 x^2 + x - 1}{(x - 1)^3}$$

Sequence: A267874
Score: 5.60008
Type of gen. func.: ogf

$\{-a(n + 5) + 3 a(n + 4) - 3 a(n + 3) + a(n + 2), a(0) = 1, a(1) = 2, a(2) = 6,$

$a(3) = 13, a(4) = 22\}$

Sequence: A267874
Score: 6.33808
Type of gen. func.: ogf

$$-(556 f(x) - 13059) (f(x) x^3 - x^4 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) - x + 1)$$

Sequence: A267874
Score: 8.51679
Type of gen. func.: lgdogf

$$-\frac{x^4 - 4x^3 + 3x^2 + 4x + 2}{-x^5 + x^4 + 3x^3 - 4x^2 + 2x - 1}$$

Sequence: A267876
Score: 7.38559
Type of gen. func.: ogf

$$-\frac{100000x^5 - 89910x^3 - 10201x^2 + 101x - 1}{(100x - 1)(x - 1)}$$

Sequence: A267877
Score: 10.1484
Type of gen. func.: ogf

$$-\frac{32x^5 - 14x^3 - 25x^2 + 5x - 1}{(4x - 1)(x - 1)}$$

Sequence: A267878
Score: 12.6328
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 + x^2 - x + 1}{x - 1}$$

Sequence: A267878
Score: 26.5027
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9 + x^4 + x$$

Sequence: A267878
Score: 6.53053
Type of gen. func.: ogf

```
{a(n + 3) - a(n + 1), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 0, a(4) = 1,

    a(5) = 1}



------------------------------------------------------------------------------

Sequence:  A267878
Score: 8.8575
Type of gen. func.: ogf


                          4    3             2
                  -f(x) (x  - x  + f(x) x + x  - f(x) - x + 1)



------------------------------------------------------------------------------

Sequence:  A267879
Score: 5.05801
Type of gen. func.: ogf


{-a(n + 5) + 11 a(n + 4) - 10 a(n + 3), a(0) = 1, a(1) = 10, a(2) = 101,

    a(3) = 1010, a(4) = 10101}



------------------------------------------------------------------------------

Sequence:  A267879
Score: 5.67484
Type of gen. func.: ogf


(16437427 f(x) + 794182)

       4            2    3                2
    (-x  + 10 f(x) x  + x  - 11 f(x) x - x  + f(x) + x - 1)



------------------------------------------------------------------------------

Sequence:  A267879
Score: 9.83106
Type of gen. func.: ogf


                               4    3    2
                              x  - x  + x  - x + 1
                              --------------------
                               (10 x - 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A267880
Score: 11.6523
Type of gen. func.: ogf


                               4    3    2
                              x  - x  + x  - x + 1
                              --------------------
                               (2 x - 1) (x - 1)
```

Sequence: A267880
Score: 6.28133
Type of gen. func.: ogf

{-a(n + 5) + 3 a(n + 4) - 2 a(n + 3), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 10, a(4) = 21}

Sequence: A267880
Score: 7.30918
Type of gen. func.: ogf

$$(13 f(x) - 6) (-x^4 + 2 f(x) x^2 + x^3 - 3 f(x) x - x^2 + f(x) + x - 1)$$

Sequence: A267881
Score: 13.5161
Type of gen. func.: ogf

$$- \frac{x^5 - 4 x^2 + 2 x - 1}{(x - 1)^2}$$

Sequence: A267881
Score: 9.81527
Type of gen. func.: lgdogf

$$- \frac{-3 x^5 + 5 x^4 - 6 x}{x^6 - x^5 - 4 x^3 + 6 x^2 - 3 x + 1}$$

Sequence: A267882
Score: 11.8494
Type of gen. func.: ogf

$$\frac{x^5 - 4 x^2 + 2 x - 1}{(x - 1)^3}$$

Sequence: A267882
Score: 8.51679
Type of gen. func.: lgdogf

$$-\frac{2x^5 - 5x^4 + 4x^2 + 4x + 1}{-x^6 + x^5 + 4x^3 - 6x^2 + 3x - 1}$$

Sequence: A267883
Score: 10.5077
Type of gen. func.: ogf

$$-x^3 - 2x^2 - 3x + f(x)$$

Sequence: A267883
Score: 5.32208
Type of gen. func.: ogf

$$\{-a(n+4),\ a(0) = 0,\ a(1) = 3,\ a(2) = 2,\ a(3) = 1\}$$

Sequence: A267884
Score: 12.1103
Type of gen. func.: lgdogf

$$-\frac{-x^2 + 2x + 5}{x^3 + x^2 + x - 3}$$

Sequence: A267884
Score: 15.8175
Type of gen. func.: ogf

$$-\frac{x(x^2 + 2x + 3)}{x - 1}$$

Sequence: A267884

Score: 8.15849
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 3), a(0) = 0, a(1) = 3, a(2) = 5, a(3) = 6\}$$

Sequence: A267884
Score: 8.90869
Type of gen. func.: ogf

$$-(109 f(x) + 112) (x^3 + f(x) x + 2 x^2 - f(x) + 3 x)$$

Sequence: A267885
Score: 4.03715
Type of gen. func.: ogf

$$(30555452702530555525 f(x) + 3415707102346320598413)$$

$$(10000 x^4 + 100 f(x) x^2 - 9000 x^3 - 101 f(x) x - 1011 x^2 + f(x) + x - 1)$$

Sequence: A267885
Score: 7.92839
Type of gen. func.: ogf

$$- \frac{10000 x^4 - 9000 x^3 - 1011 x^2 + x - 1}{(100 x - 1) (x - 1)}$$

Sequence: A267886
Score: 10.3367
Type of gen. func.: ogf

$$- \frac{16 x^4 - 8 x^3 - 11 x^2 + x - 1}{(4 x - 1) (x - 1)}$$

Sequence: A267886
Score: 5.60233
Type of gen. func.: ogf

$$\{a(n + 5) - 5 a(n + 4) + 4 a(n + 3), a(0) = 1, a(1) = 4, a(2) = 27, a(3) = 127,$$

a(4) = 511}

Sequence: A267886
Score: 5.9667
Type of gen. func.: ogf

$$(739773 f(x) + 11670715)$$

$$(16 x^4 + 4 f(x) x^2 - 8 x^3 - 5 f(x) x - 11 x^2 + f(x) + x - 1)$$

Sequence: A267887
Score: 4.20095
Type of gen. func.: ogf

$$-(1246787424787642100 f(x) + 126490049430273452521)$$

$$(100 f(x) x^2 + 10100 x^3 - 101 f(x) x - 10201 x^2 + f(x) + 91 x - 1)$$

Sequence: A267887
Score: 5.08022
Type of gen. func.: ogf

{a(n + 4) - 101 a(n + 3) + 100 a(n + 2), a(0) = 1, a(1) = 10, a(2) = 11111,

a(3) = 1111111}

Sequence: A267887
Score: 8.85605
Type of gen. func.: ogf

$$-\frac{10100 x^3 - 10201 x^2 + 91 x - 1}{(100 x - 1) (x - 1)}$$

Sequence: A267888
Score: 11.6493
Type of gen. func.: ogf

$$-\frac{20 x^3 - 25 x^2 + 3 x - 1}{(4 x - 1) (x - 1)}$$

```
-------------------------------------------------------------------------------

Sequence:  A267888
Score: 6.11586
Type of gen. func.: ogf


-(1207764 f(x) + 11042425)

             2       3                  2
    (4 f(x) x  + 20 x  - 5 f(x) x - 25 x  + f(x) + 3 x - 1)



-------------------------------------------------------------------------------

Sequence:  A267888
Score: 6.27269
Type of gen. func.: ogf


{a(n + 4) - 5 a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 31, a(3) = 127}



-------------------------------------------------------------------------------

Sequence:  A267888
Score: 6.79542
Type of gen. func.: lgdogf


                            4        3        2
                        80 x  - 200 x  + 173 x  - 42 x - 2
                  - ------------------------------------------
                         5        4        3       2
                    -80 x  + 200 x  - 157 x  + 44 x  - 8 x + 1



-------------------------------------------------------------------------------

Sequence:  A267889
Score: 4.66707
Type of gen. func.: ogf


-(120758122222100 f(x) + 181939652356221)

               2        3                      2
    (100 f(x) x  + 100 x  - 101 f(x) x - 101 x  + f(x) - 9 x - 1)



-------------------------------------------------------------------------------

Sequence:  A267889
Score: 5.06197
Type of gen. func.: ogf


{a(n + 4) - 101 a(n + 3) + 100 a(n + 2), a(0) = 1, a(1) = 110, a(2) = 11111,

    a(3) = 1111111}


-------------------------------------------------------------------------------
```

Sequence: A267889
Score: 9.53704
Type of gen. func.: ogf

$$-\frac{100 x^{3} - 101 x^{2} - 9 x - 1}{(100 x - 1) (x - 1)}$$

Sequence: A267890
Score: 12.0312
Type of gen. func.: ogf

$$-\frac{4 x^{3} - 5 x^{2} - x - 1}{(4 x - 1) (x - 1)}$$

Sequence: A267890
Score: 6.27269
Type of gen. func.: ogf

{a(n + 4) - 5 a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 6, a(2) = 31, a(3) = 127}

Sequence: A267890
Score: 6.43775
Type of gen. func.: ogf

$$-(28404 f(x) + 307309) (4 f(x) x^{2} + 4 x^{3} - 5 f(x) x - 5 x^{2} + f(x) - x - 1)$$

Sequence: A267890
Score: 7.19515
Type of gen. func.: lgdogf

$$-\frac{16 x^{4} - 40 x^{3} + 41 x^{2} - 2 x - 6}{-16 x^{5} + 40 x^{4} - 25 x^{3} + 4 x^{2} - 4 x + 1}$$

Sequence: A267905
Score: 4.86124
Type of gen. func.: ogf

$-(13 f(x) - 3)$

$$(2 f(x) x^4 + f(x) x^3 - 7 f(x) x^2 + x^3 + 5 f(x) x + 2 x^2 - f(x) - 3 x + 1)$$

Sequence: A267905
Score: 8.96488
Type of gen. func.: ogf

$$-\frac{x^3 + 2 x^2 - 3 x + 1}{(2 x - 1) (x - 1) (x^2 + 2 x - 1)}$$

Sequence: A267906
Score: 4.27651
Type of gen. func.: ogf

$$-\frac{2 (4 x^6 - 14 x^5 - 34 x^4 - 15 x^3 + 23 x^2 - 7 x + 1)}{(x - 1) (4 x - 1) (x + 1) (x^2 - 6 x + 1) (4 x^2 + 4 x - 1)}$$

Sequence: A267912
Score: 4.84338
Type of gen. func.: ogf

$\{a(n + 5) - 3 a(n + 4) - 2 a(n + 3) + 8 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 4,$

$a(3) = 11, a(4) = 29\}$

Sequence: A267912
Score: 5.23802
Type of gen. func.: ogf

$-(600 f(x) + 179)$

$$(8 f(x) x^3 - 4 x^4 - 2 f(x) x^2 - 3 x^3 - 3 f(x) x + 4 x^2 + f(x) + x - 1)$$

Sequence: A267912
Score: 9.18355
Type of gen. func.: ogf

$$\frac{4 x^{4} + 3 x^{3} - 4 x^{2} - x + 1}{(2 x - 1) (4 x^{2} + x - 1)}$$

Sequence: A267913
Score: 3.95437
Type of gen. func.: ogf

$$\frac{2 (1024 x^{7} + 576 x^{6} - 1016 x^{5} + 98 x^{4} + 137 x^{3} - 27 x^{2} - 4 x + 1)}{(4 x - 1) (4 x + 1) (16 x^{2} + 2 x - 1) (16 x^{2} - 9 x + 1)}$$

Sequence: A267920
Score: 11.7510
Type of gen. func.: ogf

$$\frac{1000 x^{2} + 1}{(100 x - 1) (x - 1)}$$

Sequence: A267920
Score: 5.87550
Type of gen. func.: ogf

$$\{-a(n + 3) + 101 a(n + 2) - 100 a(n + 1), a(0) = 1, a(1) = 101, a(2) = 11101\}$$

Sequence: A267920
Score: 6.3889
Type of gen. func.: ogf

$$(12001 f(x) - 1800) (100 f(x) x^{2} - 101 f(x) x - 1000 x^{2} + f(x) - 1)$$

Sequence: A267920
Score: 6.78408
Type of gen. func.: lgdogf

$$- \frac{101000 x^{2} - 1800 x - 101}{{}^{4} \qquad {}^{3} \qquad {}^{2}}$$

$$100000 x - 101000 x + 1100 x - 101 x + 1$$

Sequence: A267921
Score: 14.9777
Type of gen. func.: ogf

$$\frac{8 x^2 + 1}{(4 x - 1) (x - 1)}$$

Sequence: A267921
Score: 7.12529
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 5, a(2) = 29\}$$

Sequence: A267921
Score: 8.15449
Type of gen. func.: ogf

$$(33 f(x) - 8) (4 f(x) x^2 - 5 f(x) x - 8 x^2 + f(x) - 1)$$

Sequence: A267921
Score: 9.65664
Type of gen. func.: lgdogf

$$- \frac{40 x^2 - 8 x - 5}{32 x^4 - 40 x^3 + 12 x^2 - 5 x + 1}$$

Sequence: A267923
Score: 10.5701
Type of gen. func.: ogf

$$\frac{10000 x^2 - 90 x + 1}{(100 x - 1) (x - 1)}$$

Sequence: A267923
Score: 5.5538
Type of gen. func.: ogf

$$-(9017109 f(x) - 9017120)$$

$$(100 f(x) x^2 - 101 f(x) x - 10000 x^2 + f(x) + 90 x - 1)$$

Sequence: A267923
Score: 5.90404
Type of gen. func.: ogf

$$\{-a(n + 3) + 101 a(n + 2) - 100 a(n + 1), a(0) = 1, a(1) = 11, a(2) = 11011\}$$

Sequence: A267923
Score: 6.48859
Type of gen. func.: lgdogf

$$-\frac{1001000 x^2 - 19800 x - 11}{1000000 x^4 - 1019000 x^3 + 19190 x^2 - 191 x + 1}$$

Sequence: A267924
Score: 13.5908
Type of gen. func.: ogf

$$\frac{16 x^2 - 2 x + 1}{(4 x - 1) (x - 1)}$$

Sequence: A267924
Score: 7.12529
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 27\}$$

Sequence: A267924
Score: 7.33904
Type of gen. func.: ogf

$$-(77 f(x) - 80) (4 f(x) x^{2} - 5 f(x) x - 16 x^{2} + f(x) + 2 x - 1)$$

Sequence: A267924
Score: 9.53123
Type of gen. func.: lgdogf

$$-\frac{72 x^{2} - 24 x - 3}{64 x^{4} - 88 x^{3} + 30 x^{2} - 7 x + 1}$$

Sequence: A267925
Score: 10.4453
Type of gen. func.: ogf

$$\frac{110 x + 1}{(100 x + 1) (100 x - 1) (x - 1)}$$

Sequence: A267925
Score: 5.10121
Type of gen. func.: ogf

$$(2205219174 f(x) + 49171895)$$

$$(10000 f(x) x^{3} - 10000 f(x) x^{2} - f(x) x + f(x) - 110 x - 1)$$

Sequence: A267925
Score: 5.22267
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 10000 a(n + 1) + 10000 a(n), a(0) = 1, a(1) = 111,$$

$$a(2) = 10111\}$$

Sequence: A267925
Score: 5.67290
Type of gen. func.: lgdogf

$$-\frac{2200000 x^{3} - 1070000 x^{2} - 20000 x - 111}{\qquad{}^{4}\qquad\qquad{}^{3}\qquad\qquad{}^{2}}$$

$$1100000 x - 1090000 x - 10110 x + 109 x + 1$$

Sequence: A267926
Score: 13.2852
Type of gen. func.: ogf

$$\frac{6 x + 1}{(4 x + 1) (4 x - 1) (x - 1)}$$

Sequence: A267926
Score: 6.35379
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 16 a(n + 1) - 16 a(n), a(0) = 1, a(1) = 7, a(2) = 23\}$$

Sequence: A267926
Score: 6.58275
Type of gen. func.: ogf

$$(1674 f(x) + 1499) (16 f(x) x^3 - 16 f(x) x^2 - f(x) x + f(x) - 6 x - 1)$$

Sequence: A267926
Score: 8.39869
Type of gen. func.: lgdogf

$$- \frac{-192 x^3 + 48 x^2 + 32 x + 7}{-96 x^4 + 80 x^3 + 22 x^2 - 5 x - 1}$$

Sequence: A267927
Score: 12.5598
Type of gen. func.: ogf

$$- \frac{x^7 - x^6 + x^3 - x + 1}{x - 1}$$

Sequence: A267928
Score: 3.92922
Type of gen. func.: ogf

$$-\frac{259 x^{7} + 388 x^{6} - 152 x^{5} - 284 x^{4} + 94 x^{3} + 60 x^{2} - 32 x + 4}{(x + 1)^{3} (3 x - 1)^{5}}$$

Sequence: A267934
Score: 3.81661
Type of gen. func.: ogf

$$-(122222100701922222100 f(x) + 25762773802466916393531) (10000 x^{4} + 100 f(x) x^{2} + 900 x^{3} - 101 f(x) x - 11010 x^{2} + f(x) + 100 x - 1)$$

Sequence: A267934
Score: 4.40973
Type of gen. func.: ogf

$$\{a(n + 5) - 101 a(n + 4) + 100 a(n + 3), a(0) = 1, a(1) = 1, a(2) = 11011, a(3) = 1111111, a(4) = 111111111\}$$

Sequence: A267934
Score: 7.67812
Type of gen. func.: ogf

$$-\frac{10000 x^{4} + 900 x^{3} - 11010 x^{2} + 100 x - 1}{(100 x - 1) (x - 1)}$$

Sequence: A267935
Score: 10.3367
Type of gen. func.: ogf

$$-\frac{16 x^{4} + 4 x^{3} - 26 x^{2} + 4 x - 1}{(4 x - 1) (x - 1)}$$

Sequence: A267935

Score: 5.60233
Type of gen. func.: ogf

$$\{a(n + 5) - 5 a(n + 4) + 4 a(n + 3), a(0) = 1, a(1) = 1, a(2) = 27, a(3) = 127,$$
$$a(4) = 511\}$$

Sequence: A267935
Score: 5.87123
Type of gen. func.: ogf

$$-(99468 f(x) + 1777213)$$
$$(16 x^4 + 4 f(x) x^2 + 4 x^3 - 5 f(x) x - 26 x^2 + f(x) + 4 x - 1)$$

Sequence: A267936
Score: 13.5975
Type of gen. func.: ogf

$$-x^3 - f(x) x + x^2 + f(x) - 1$$

Sequence: A267936
Score: 15.8175
Type of gen. func.: ogf

$$- \frac{x^3 - x^2 + 1}{x - 1}$$

Sequence: A267936
Score: 8.15849
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3), a(0) = 1, a(1) = 1, a(2) = 0, a(3) = 1\}$$

Sequence: A267936
Score: 9.68821
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 4 x^2 + 2 x - 1}{}$$

$$-x^4 + 2 x^3 - x^2 - x + 1$$

Sequence: A267937
Score: 4.76852
Type of gen. func.: ogf

$$-(12220758122210 f(x) + 127794705165621)$$

$$(100 f(x) x^2 + 1000 x^3 - 101 f(x) x - 1010 x^2 + f(x) - 1)$$

Sequence: A267937
Score: 5.06197
Type of gen. func.: ogf

$$\{a(n + 4) - 101 a(n + 3) + 100 a(n + 2), a(0) = 1, a(1) = 101, a(2) = 11111, a(3) = 1111111\}$$

Sequence: A267937
Score: 9.82173
Type of gen. func.: ogf

$$-\frac{1000 x^3 - 1010 x^2 - 1}{(100 x - 1) (x - 1)}$$

Sequence: A267938
Score: 12.6535
Type of gen. func.: ogf

$$-\frac{8 x^3 - 10 x^2 - 1}{(4 x - 1) (x - 1)}$$

Sequence: A267938
Score: 6.27269
Type of gen. func.: ogf

$$\{a(n + 4) - 5 a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 5, a(2) = 31, a(3) = 127\}$$

Sequence: A267938
Score: 6.61174
Type of gen. func.: ogf

$$-(21978 f(x) + 158789) (4 f(x) x^2 + 8 x^3 - 5 f(x) x - 10 x^2 + f(x) - 1)$$

Sequence: A267938
Score: 7.05678
Type of gen. func.: lgdogf

$$-\frac{32 x^4 - 80 x^3 + 74 x^2 - 12 x - 5}{-32 x^5 + 80 x^4 - 58 x^3 + 14 x^2 - 5 x + 1}$$

Sequence: A267940
Score: 4.55103
Type of gen. func.: ogf

$$-(1222220758121 f(x) + 122775477915861)$$

$$(100 f(x) x^2 + 10000 x^3 - 101 f(x) x - 10100 x^2 + f(x) + 90 x - 1)$$

Sequence: A267940
Score: 5.08022
Type of gen. func.: ogf

$\{a(n + 4) - 101 a(n + 3) + 100 a(n + 2), a(0) = 1, a(1) = 11, a(2) = 11111,$

$a(3) = 1111111\}$

Sequence: A267940
Score: 8.85605
Type of gen. func.: ogf

$$-\frac{10000 x^3 - 10100 x^2 + 90 x - 1}{(100 x - 1) (x - 1)}$$

Sequence: A267941

Score: 11.6493
Type of gen. func.: ogf

$$-\frac{16 x^3 - 20 x^2 + 2 x - 1}{(4 x - 1) (x - 1)}$$

Sequence: A267941
Score: 6.27269
Type of gen. func.: ogf

{a(n + 4) - 5 a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 3, a(2) = 31, a(3) = 127}

Sequence: A267941
Score: 6.38177
Type of gen. func.: ogf

$$-(11961 f(x) + 99109) (4 f(x) x^2 + 16 x^3 - 5 f(x) x - 20 x^2 + f(x) + 2 x - 1)$$

Sequence: A267941
Score: 6.79542
Type of gen. func.: lgdogf

$$-\frac{64 x^4 - 160 x^3 + 140 x^2 - 32 x - 3}{-64 x^5 + 160 x^4 - 124 x^3 + 34 x^2 - 7 x + 1}$$

Sequence: A267942
Score: 9.31264
Type of gen. func.: ogf

$$-\frac{2 x^4 + 4 x^3 - 7 x^2 + 3}{(x + 1)^2 (x - 1)^3}$$

Sequence: A267946
Score: 12.1105
Type of gen. func.: ogf

$$-\frac{2 x^2 - 1}{(2 x - 1) (3 x^2 + x - 1)}$$

Sequence: A267946
Score: 6.10881
Type of gen. func.: ogf

$$-(71 f(x) - 34) (6 f(x) x^3 - f(x) x^2 - 3 f(x) x + 2 x^2 + f(x) - 1)$$

Sequence: A267946
Score: 6.16336
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - a(n + 1) + 6 a(n), a(0) = 1, a(1) = 3, a(2) = 8\}$$

Sequence: A267946
Score: 7.50322
Type of gen. func.: lgdogf

$$-\frac{-12 x^4 + 12 x^2 + 2 x - 3}{-12 x^5 + 2 x^4 + 12 x^3 - 3 x^2 - 3 x + 1}$$

Sequence: A267947
Score: 4.63625
Type of gen. func.: ogf

$$-\frac{3 (144 x^5 - 72 x^4 - 36 x^3 + 18 x^2 + x - 1)}{(3 x + 1) (4 x - 1) (9 x^2 - 7 x + 1) (12 x^2 + 2 x - 1)}$$

Sequence: A267958
Score: 12.0121
Type of gen. func.: lgdogf

$$-\frac{-2 x^3 - 5 x^2 - 2 x - 3}{\quad}$$

$$-x^4 - x^3 + x + 1$$

Sequence: A267958
Score: 13.3058
Type of gen. func.: ogf

$$\frac{4 x (x + 1)^2}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A267958
Score: 29.6955
Type of gen. func.: egf]_with_Euler_transform]

$$3 - 2 x + 1/2 x^2$$

Sequence: A267958
Score: 5.24166
Type of gen. func.: ogf

{(-n - 3) a(n + 1) - a(n + 2) - a(n + 3) + (n + 2) a(n + 4), a(0) = 0, a(1) = 4,

a(2) = 12, a(3) = 16}

Sequence: A267958
Score: 7.20729
Type of gen. func.: ogf

$$-(f(x) - 40) (f(x) x^4 - f(x) x^3 - 4 x^3 - f(x) x - 8 x^2 + f(x) - 4 x)$$

Sequence: A267960
Score: 6.83081
Type of gen. func.: ogf

$$- \frac{17 x^5 + 3 x^4 - 24 x^3 + 3 x^2 + 9 x - 3}{(x + 1)^2 (2 x - 1)^4}$$

Sequence: A267975
Score: 4.38280
Type of gen. func.: ogf

$$-\frac{x^7 + 12 x^6 + 50 x^5 + 72 x^4 + 6 x^3 - 72 x^2 + 32 x - 4}{(x^2 + 3 x - 1)^4}$$

Sequence: A267981
Score: 5.52871
Type of gen. func.: ogf

$$\{(16 n^2 + 64 n + 60) a(n + 1) + (-n^2 - 6 n - 9) a(n + 2), a(0) = 2, a(1) = 6\}$$

Sequence: A267982
Score: 4.80167
Type of gen. func.: ogf

$$\{(-16 n^3 - 80 n^2 - 132 n - 72) a(n + 1) + (n^3 + 7 n^2 + 15 n + 9) a(n + 2),$$
$$a(0) = 0, a(1) = 4\}$$

Sequence: A267984
Score: 13.0646
Type of gen. func.: ogf

$$\frac{7 x^2 + 6 x + 17}{(x + 1) (x - 1)^2}$$

Sequence: A267984
Score: 6.75004
Type of gen. func.: ogf

$$-(34 f(x) + 1633) (f(x) x^3 - f(x) x^2 - f(x) x - 7 x^2 + f(x) - 6 x - 17)$$

Sequence: A267984
Score: 7.04351
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 17, a(1) = 23, a(2) = 47\}$$

Sequence: A267984
Score: 9.52946
Type of gen. func.: lgdogf

$$- \frac{-7 x^3 - 19 x^2 - 71 x - 23}{-7 x^4 - 6 x^3 - 10 x^2 + 6 x + 17}$$

Sequence: A267985
Score: 12.9371
Type of gen. func.: ogf

$$\frac{17 x^2 + 6 x + 7}{(x + 1) (x - 1)^2}$$

Sequence: A267985
Score: 6.85558
Type of gen. func.: ogf

$$-(2 f(x) + 85) (f(x) x^3 - f(x) x^2 - f(x) x - 17 x^2 + f(x) - 6 x - 7)$$

Sequence: A267985
Score: 7.03598
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 7, a(1) = 13, a(2) = 37\}$$

Sequence: A267985
Score: 9.32677
Type of gen. func.: lgdogf

$$17 x^3 + 29 x^2 + 61 x + 13$$

$$-\frac{}{17 x^4 + 6 x^3 - 10 x^2 - 6 x - 7}$$

Sequence: A267987
Score: 12.5932
Type of gen. func.: ogf

$$4 \operatorname{hypergeom}([1/2, 1/2], [2], 16 x)$$

Sequence: A267987
Score: 5.52871
Type of gen. func.: ogf

$$\{(-16 n^2 - 48 n - 36) a(n + 1) + (n^2 + 5 n + 6) a(n + 2), a(0) = 4, a(1) = 8\}$$

Sequence: A268013
Score: 6.82011
Type of gen. func.: ogf

$$-\frac{x^5 + 6 x^4 + 9 x^3 - 9 x + 3}{(x^2 + 2 x - 1)^3}$$

Sequence: A268044
Score: 11.0347
Type of gen. func.: lgdogf

$$-\frac{x^3 + 13 x^2 + 17 x + 9}{x^4 + 6 x^3 + 2 x^2 - 6 x - 3}$$

Sequence: A268044
Score: 14.8336
Type of gen. func.: ogf

$$\frac{x^2 + 6 x + 3}{(x + 1) (x - 1)^2}$$

Sequence: A268044
Score: 7.86826
Type of gen. func.: ogf

$$(190 f(x) - 761) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - 6 x - 3)$$

Sequence: A268044
Score: 8.00751
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 3, a(1) = 9, a(2) = 13\}$$

Sequence: A268052
Score: 3.97096
Type of gen. func.: ogf

$$-(1070 f(x) + 667)$$

$$(140 f(x) x^3 - 108 f(x) x^2 + 21 f(x) x + 26 x^2 - f(x) - 13 x + 1)$$

Sequence: A268052
Score: 4.27382
Type of gen. func.: ogf

$$\{-a(n + 3) + 21 a(n + 2) - 108 a(n + 1) + 140 a(n), a(0) = 1, a(1) = 8, a(2) = 86\}$$

Sequence: A268052
Score: 7.41634
Type of gen. func.: ogf

$$-\frac{26 x^2 - 13 x + 1}{(14 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A268053
Score: 3.25009

Type of gen. func.: ogf

$$-(12463276195162 f(x) + 4502678077529) (5740 f(x) x^4 - 4568 f(x) x^3 + 969 f(x) x^2 + 674 x^3 - 62 f(x) x - 399 x^2 + f(x) + 46 x - 1)$$

Sequence: A268053
Score: 6.42875
Type of gen. func.: ogf

$$-\frac{674 x^3 - 399 x^2 + 46 x - 1}{(14 x - 1) (2 x - 1) (41 x - 1) (5 x - 1)}$$

Sequence: A268054
Score: 3.54207
Type of gen. func.: ogf

$$-\frac{52740 x^4 - 34208 x^3 + 4739 x^2 - 152 x + 1}{(122 x - 1) (14 x - 1) (2 x - 1) (41 x - 1) (5 x - 1)}$$

Sequence: A268069
Score: 5.02146
Type of gen. func.: ogf

$$\frac{12 x^7 - 32 x^5 + 11 x^4 + 24 x^3 - 5 x^2 - 4 x + 1}{(3 x - 1) (x - 1) (6 x^2 + 2 x - 1) (2 x^2 - 1)}$$

Sequence: A268075
Score: 4.53815
Type of gen. func.: ogf

$$-\frac{1120 x^4 - 938 x^3 + 261 x^2 - 28 x + 1}{(5 x - 1) (15 x - 1) (2 x - 1) (10 x - 1) (4 x - 1)}$$

Sequence: A268085

Score: 5.11738
Type of gen. func.: ogf

$$\{(-16 n^3 - 80 n^2 - 132 n - 72) a(n + 1) + (n^3 + 7 n^2 + 15 n + 9) a(n + 2),$$

$$a(0) = 0, a(1) = 1\}$$

Sequence: A268093
Score: 10.8601
Type of gen. func.: ogf

$$-\frac{x^2 + x - 1}{(2 x - 1) (2 x^2 + 2 x - 1)}$$

Sequence: A268093
Score: 5.91486
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 2 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A268093
Score: 6.43168
Type of gen. func.: ogf

$$f(x) (4 f(x) x^3 + 2 f(x) x^2 - 4 f(x) x + x^2 + f(x) + x - 1)$$

Sequence: A268093
Score: 6.90067
Type of gen. func.: lgdogf

$$-\frac{-4 x^4 - 8 x^3 + 6 x^2 + 6 x - 3}{-4 x^5 - 6 x^4 + 6 x^3 + 5 x^2 - 5 x + 1}$$

Sequence: A268094
Score: 4.73041
Type of gen. func.: ogf

$$-\frac{3\,(16x^5-16x^4-26x^3+x^2+5x-1)}{(2x+1)(4x-1)(8x^2+4x-1)(4x^2-8x+1)}$$

Sequence: A268099
Score: 13.5429
Type of gen. func.: ogf

$$\frac{5x+4}{(x-1)(10x^2-1)}$$

Sequence: A268099
Score: 6.36632
Type of gen. func.: ogf

$$-(40239 f(x) + 83966)(10 f(x) x^3 - 10 f(x) x^2 - f(x) x + f(x) - 5x - 4)$$

Sequence: A268099
Score: 6.47704
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - 10 a(n + 1) + 10 a(n), a(0) = 4, a(1) = 9, a(2) = 49}

Sequence: A268099
Score: 8.56161
Type of gen. func.: lgdogf

$$-\frac{100x^3+70x^2-80x-9}{50x^4-10x^3-45x^2+x+4}$$

Sequence: A268100
Score: 10.0657
Type of gen. func.: ogf

$$-(14 f(x) + 11)(10 f(x) x^2 - f(x) + 5x + 1)$$

Sequence: A268100
Score: 10.9538
Type of gen. func.: lgdogf

$$-\frac{-50 x^2 - 20 x - 5}{-50 x^3 - 10 x^2 + 5 x + 1}$$

Sequence: A268100
Score: 11.4594
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A268100
Score: 17.7348
Type of gen. func.: ogf

$$-\frac{5 x + 1}{10 x^2 - 1}$$

Sequence: A268133
Score: 13.5827
Type of gen. func.: ogf

$$\frac{19 x^{15} + 142 x^{12} + 229 x^{11} - x - 1}{x^2 + x - 1}$$

Sequence: A268147
Score: 10.5522
Type of gen. func.: ogf

$$-256 f(x) x^2 + 32 f(x) x - f(x) + 16 x$$

Sequence: A268147

Score: 16.2143
Type of gen. func.: ogf

$$\frac{16 x}{(16 x - 1)^{2}}$$

Sequence: A268147
Score: 22.1595
Type of gen. func.: lgdogf

$$\frac{32}{-16 x + 1}$$

Sequence: A268147
Score: 7.82100
Type of gen. func.: ogf

{a(n + 2) - 32 a(n + 1) + 256 a(n), a(0) = 0, a(1) = 16}

Sequence: A268148
Score: 10.7166
Type of gen. func.: ogf

$$- \frac{8 x (48 x + 1)}{(16 x - 1)^{3}}$$

Sequence: A268148
Score: 12.6651
Type of gen. func.: lgdogf

$$- \frac{-1536 x - 96}{-768 x^{2} + 32 x + 1}$$

Sequence: A268148
Score: 5.85361
Type of gen. func.: ogf

{a(n + 3) - 48 a(n + 2) + 768 a(n + 1) - 4096 a(n), a(0) = 0, a(1) = 8,

$a(2) = 768\}$

Sequence: A268148
Score: 6.005
Type of gen. func.: ogf

$$(12 f(x) + 1) (4096 f(x) x^3 - 768 f(x) x^2 + 48 f(x) x + 384 x^2 - f(x) + 8 x)$$

Sequence: A268149
Score: 3.67031
Type of gen. func.: ogf

$$\{(-192 n^2 - 576 n - 420) a(n + 1) + (44 n^2 + 210 n + 306) a(n + 2)$$

$$+ (-2 n^2 - 9 n - 10) a(n + 3), a(0) = 0, a(1) = 24, a(2) = 1120\}$$

Sequence: A268151
Score: 10.9922
Type of gen. func.: ogf

$$-\frac{8 x (112 x + 5)}{(16 x - 1)^3}$$

Sequence: A268151
Score: 12.7278
Type of gen. func.: lgdogf

$$-\frac{3584 x + 352}{1792 x^2 - 32 x - 5}$$

Sequence: A268151
Score: 5.58064
Type of gen. func.: ogf

$$-(215136 f(x) - 424337)$$

$$(4096 f(x) x^3 - 768 f(x) x^2 + 48 f(x) x + 896 x^2 - f(x) + 40 x)$$

Sequence: A268151
Score: 5.99573
Type of gen. func.: ogf

$\{a(n + 3) - 48 a(n + 2) + 768 a(n + 1) - 4096 a(n), a(0) = 0, a(1) = 40,$
$a(2) = 2816\}$

Sequence: A268152
Score: 5.92188
Type of gen. func.: ogf

$$-\frac{8 x (417792 x^3 + 67840 x^2 + 1024 x + 1)}{(16 x - 1)^5}$$

Sequence: A268152
Score: 6.07117
Type of gen. func.: lgdogf

$$-\frac{13369344 x^3 + 4509696 x^2 + 201216 x + 1104}{6684672 x^4 + 667648 x^3 - 51456 x^2 - 1008 x - 1}$$

Sequence: A268163
Score: 14.0287
Type of gen. func.: egf]

$$6 x - 6 f(x) + 3 f(x)^2 + f(x)^3$$

Sequence: A268163
Score: 16.2605
Type of gen. func.: revegf]

$$-\frac{x (x^2 + 3 x - 6)}{6}$$

Sequence: A268163
Score: 3.25210
Type of gen. func.: ogf

$$\{(9 n^3 - n) a(n) + (-99 n^3 - 372 n^2 - 472 n - 176) a(n + 1) + (-264 n^2 - 935 n - 792) a(n + 2) + (242 + 121 n) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 1\}$$

Sequence: A268164
Score: 10.5912
Type of gen. func.: ogf

$$- \frac{3 x^2 + x - 1}{(3 x - 1) (4 x^2 + 2 x - 1)}$$

Sequence: A268164
Score: 5.47209
Type of gen. func.: ogf

$$-(794 f(x) - 189) (12 f(x) x^3 + 2 f(x) x^2 - 5 f(x) x + 3 x^2 + f(x) + x - 1)$$

Sequence: A268164
Score: 5.76011
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 2 a(n + 1) + 12 a(n), a(0) = 1, a(1) = 4, a(2) = 15\}$$

Sequence: A268165
Score: 3.89566
Type of gen. func.: ogf

$$- \frac{4 (1296 x^5 - 540 x^4 - 270 x^3 + 37 x^2 + 7 x - 1)}{(9 x - 1) (4 x + 1) (36 x^2 + 6 x - 1) (16 x^2 - 12 x + 1)}$$

Sequence: A268201
Score: 11.6854
Type of gen. func.: ogf

$$\frac{x\,(x^2 + 10\,x + 13)}{(x - 1)^4}$$

Sequence: A268201
Score: 13.0806
Type of gen. func.: lgdogf

$$-\frac{2\,x^2 + 32\,x + 62}{x^3 + 9\,x^2 + 3\,x - 13}$$

Sequence: A268201
Score: 4.31726
Type of gen. func.: ogf

$$\{(-39 - 13\,n)\,a(n + 4) + (68 + 3\,n)\,a(n + 3) + (41 + 9\,n)\,a(n + 2) + (n + 2)\,a(n + 1),\ a(0) = 0,\ a(1) = 13,\ a(2) = 62,\ a(3) = 171\}$$

Sequence: A268201
Score: 6.08613
Type of gen. func.: ogf

$$(18984\,f(x) + 167219)\,(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - x^3 - 4\,f(x)\,x - 10\,x^2 + f(x) - 13\,x)$$

Sequence: A268208
Score: 3.39678
Type of gen. func.: ogf

$$\{-a(n + 1)\,n + (7\,n + 12)\,a(n + 2) + (-7\,n - 30)\,a(n + 3) + (n + 6)\,a(n + 4),\ a(0) = 1,\ a(1) = 3,\ a(2) = 12,\ a(3) = 52\}$$

Sequence: A268208
Score: 6.09517
Type of gen. func.: ogf

$$-f(x)^2 x^2 - f(x) x^3 + 5 f(x) x^2 - 5 f(x) x - x^2 + f(x) + 2 x - 1$$

Sequence: A268218
Score: 4.40999
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) + (-n^2 - 4 n - 3) a(n + 2) + a(n + 3) n, a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 4\}$$

Sequence: A268219
Score: 4.23625
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) + (-n^2 - 3 n) a(n + 2) + (n - 1) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 5\}$$

Sequence: A268220
Score: 3.68314
Type of gen. func.: ogf

$$\{(-n^2 - 5 n - 6) a(n + 1) + (n^2 + 2 n - 3) a(n + 2) + (-n + 2) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 6\}$$

Sequence: A268226
Score: 9.73667
Type of gen. func.: ogf

$$\frac{(x + 2) (x^2 + x + 1) (x^2 - x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A268251

Score: 6.90969
Type of gen. func.: ogf

$$-\frac{x\,(2\,x^{6}+50\,x^{5}+45\,x^{4}-148\,x^{3}-96\,x^{2}+2\,x+1)}{(x-1)\,(x+1)\,(x^{2}-10\,x+1)\,(x^{2}+10\,x+1)}$$

Sequence: A268255
Score: 4.44482
Type of gen. func.: ogf

$$-(1855\,f(x)-7734)\,(6\,f(x)\,x^{4}+7\,f(x)\,x^{3}-15\,f(x)\,x^{2}+18\,x^{3}+7\,f(x)\,x+28\,x^{2}-f(x)-32\,x+7)$$

Sequence: A268255
Score: 8.28604
Type of gen. func.: ogf

$$-\frac{18\,x^{3}+28\,x^{2}-32\,x+7}{(3\,x-1)\,(2\,x-1)\,(x^{2}+2\,x-1)}$$

Sequence: A268256
Score: 4.97697
Type of gen. func.: ogf

$$-\frac{96\,x^{5}+403\,x^{4}+165\,x^{3}-364\,x^{2}+126\,x-13}{(3\,x-1)\,(4\,x-1)\,(2\,x^{2}+3\,x-1)\,(x^{2}+3\,x-1)}$$

Sequence: A268257
Score: 3.39049
Type of gen. func.: ogf

$$-\frac{600\,x^{7}+4261\,x^{6}+7524\,x^{5}-220\,x^{4}-4512\,x^{3}+2079\,x^{2}-352\,x+21}{(4\,x-1)\,(5\,x-1)\,(2\,x^{2}+4\,x-1)\,(3\,x^{2}+4\,x-1)\,(x^{2}+4\,x-1)}$$

Sequence: A268262
Score: 7.35724
Type of gen. func.: ogf

$$-\frac{2x^{4}-7x^{3}+23x^{2}-3x+9}{(x-1)^{5}}$$

Sequence: A268263
Score: 6.00889
Type of gen. func.: ogf

$$-\frac{2x^{5}-17x^{4}+14x^{3}-98x^{2}-4x-17}{(x-1)^{6}}$$

Sequence: A268264
Score: 4.62875
Type of gen. func.: ogf

$$-\frac{x^{7}-2x^{6}-2x^{5}+107x^{4}+143x^{3}+398x^{2}+42x+33}{(x-1)^{7}}$$

Sequence: A268265
Score: 3.67037
Type of gen. func.: ogf

$$-\frac{5x^{8}-35x^{7}+76x^{6}-271x^{5}-1016x^{4}-1961x^{3}-1576x^{2}-197x-65}{(x-1)^{8}}$$

Sequence: A268266
Score: 4.46530
Type of gen. func.: ogf

$$-(x^{10}+12x^{9}-138x^{8}+593x^{7}-723x^{6}+5679x^{5}+12257x^{4}+15567x^{3}$$

$$+ 6186 x^2 + 757 x + 129) / (x - 1)^9$$

Sequence: A268291
Score: 6.29388
Type of gen. func.: ogf

$$x (12 x^{11} + 11 x^{10} + 10 x^9 + 9 x^8 + 8 x^7 + 7 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1) / ((x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A268292
Score: 9.40991
Type of gen. func.: ogf

$$- \frac{x^7}{(x^2 + x + 1) (x^2 - x + 1) (x - 1)^3}$$

Sequence: A268297
Score: 17.0841
Type of gen. func.: revogf

$$- \frac{-x^4 - 2 x^3 + x^2 + x}{x^2 + x - 1}$$

Sequence: A268306
Score: 7.83706
Type of gen. func.: ogf

$$- \frac{x^5 + x^3 - x^2 + x - 1}{(x - 1) (x^2 + 1) (x^3 + x^2 + x - 1)}$$

Sequence: A268315
Score: 13.8678
Type of gen. func.: ogf

$$\frac{8 x^3 - 8 x^2 - 4 x - 9}{(x - 1) (x^2 + x + 1)}$$

Sequence: A268315
Score: 8.23402
Type of gen. func.: ogf

{-a(n + 4) + a(n + 1), a(0) = 9, a(1) = 4, a(2) = 8, a(3) = 1}

Sequence: A268315
Score: 9.19146
Type of gen. func.: ogf

$$(457 f(x) - 33) (f(x) x^3 - 8 x^3 + 8 x^2 - f(x) + 4 x + 9)$$

Sequence: A268321
Score: 6.34526
Type of gen. func.: ogf

$$-\frac{5 x^5 + 11 x^4 - 11 x^3 - 10 x^2 + 10 x - 2}{(x - 1) (3 x - 1) (2 x - 1) (x + 1) (x^2 + 2 x - 1)}$$

Sequence: A268329
Score: 11.7674
Type of gen. func.: lgdogf

$$\frac{10}{(1 - 4 x)^{1/2} (1 + (1 - 4 x)^{1/2})}$$

Sequence: A268329
Score: 5.78879
Type of gen. func.: ogf

$$\{(-4 n^2 - 30 n - 56) a(n + 1) + (n^2 + 9 n + 14) a(n + 2), a(0) = 2, a(1) = 10\}$$

Sequence: A268344
Score: 10.6348
Type of gen. func.: ogf

$$-3 f(x) x^2 + 11 f(x) x - f(x) + x$$

Sequence: A268344
Score: 12.7618
Type of gen. func.: lgdogf

$$-\frac{6 x - 11}{3 x^2 - 11 x + 1}$$

Sequence: A268344
Score: 18.7674
Type of gen. func.: ogf

$$\frac{x}{3 x^2 - 11 x + 1}$$

Sequence: A268344
Score: 7.78159
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 3 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A268349
Score: 4.82024
Type of gen. func.: ogf

$$-(136931 f(x) - 207774)$$

$$(4 f(x) x^4 + 3 f(x) x^3 + 2 f(x) x^2 - 6 x^3 + f(x) x - x^2 - f(x) + x + 1)$$

Sequence: A268349
Score: 9.45269
Type of gen. func.: ogf

$$\frac{6 x^3 + x^2 - x - 1}{4 x^4 + 3 x^3 + 2 x^2 + x - 1}$$

Sequence: A268351
Score: 15.3795
Type of gen. func.: ogf

$$-\frac{3 x (5 x + 4)}{(x - 1)^3}$$

Sequence: A268351
Score: 18.1478
Type of gen. func.: lgdogf

$$-\frac{10 x + 17}{5 x^2 - x - 4}$$

Sequence: A268351
Score: 7.68973
Type of gen. func.: ogf

$$(11745 f(x) - 105469) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 15 x^2 - f(x) + 12 x)$$

Sequence: A268351
Score: 8.02998
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 12, a(2) = 51\}$$

Sequence: A268358
Score: 5.83593

Type of gen. func.: lgdogf

$$-\frac{-1200 x^4 + 2096 x^3 - 1200 x^2 + 270 x - 20}{-240 x^5 + 524 x^4 - 400 x^3 + 135 x^2 - 20 x + 1}$$

Sequence: A268358
Score: 9.75434
Type of gen. func.: ogf

$$-\frac{27216}{(x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (10 x - 1)}$$

Sequence: A268363
Score: 10.0424
Type of gen. func.: egf]

$$(6 f(x) - 5) (2 f(x) x^2 - f(x) + x + 1)$$

Sequence: A268363
Score: 10.5131
Type of gen. func.: lgdegf]

$$-\frac{-2 x^2 - 4 x - 1}{-2 x^3 - 2 x^2 + x + 1}$$

Sequence: A268363
Score: 16.4107
Type of gen. func.: egf]

$$-\frac{x + 1}{2 x^2 - 1}$$

Sequence: A268368
Score: 6.26582
Type of gen. func.: ogf

$$-\frac{x\,(3x^{13}+3x^{12}-6x^{9}-5x^{8}-4x^{7}+3x^{5}+x^{4}+4x^{3}+4x^{2}+1)}{(x-1)^{3}\,(x+1)^{3}\,(x^{2}+1)^{3}}$$

Sequence: A268407
Score: 7.84062
Type of gen. func.: ogf

$$-f(x)^2 x^2 - 4 f(x)^2 x + f(x)^2 - f(x) x + f(x) - x - 2$$

Sequence: A268409
Score: 10.2250
Type of gen. func.: lgdogf

$$-\frac{14x^2 - 12x - 5}{14x^3 + 22x^2 - 19x + 3}$$

Sequence: A268409
Score: 15.6784
Type of gen. func.: ogf

$$\frac{7x - 3}{2x^2 + 4x - 1}$$

Sequence: A268409
Score: 7.75305
Type of gen. func.: ogf

$$-(32 f(x) - 71) (2 f(x) x^2 + 4 f(x) x - f(x) - 7 x + 3)$$

Sequence: A268409
Score: 8.60399
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 2 a(n), a(0) = 3, a(1) = 5\}$$

Sequence: A268410
Score: 11.9225
Type of gen. func.: ogf

$$\frac{(x + 1) (3 x - 5)}{x^3 + x^2 + x - 1}$$

Sequence: A268410
Score: 6.16334
Type of gen. func.: ogf

$$(2471 f(x) - 11101) (f(x) x^3 + f(x) x^2 + f(x) x - 3 x^2 - f(x) + 2 x + 5)$$

Sequence: A268410
Score: 6.49352
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) + a(n), a(0) = 5, a(1) = 7, a(2) = 9\}$$

Sequence: A268410
Score: 7.42116
Type of gen. func.: lgdogf

$$-\frac{-3 x^4 + 4 x^3 + 20 x^2 + 4 x + 7}{-3 x^5 - x^4 + 4 x^3 + 10 x^2 + 3 x - 5}$$

Sequence: A268413
Score: 12.9102
Type of gen. func.: lgdogf

$$-\frac{28 x - 13}{14 x^2 - 13 x - 1}$$

Sequence: A268413

Score: 21.6559
Type of gen. func.: ogf

$$-\frac{1}{(14 x + 1) (x - 1)}$$

Sequence: A268413
Score: 7.80619
Type of gen. func.: ogf

$$(197 f(x) - 28) (14 f(x) x^2 - 13 f(x) x - f(x) + 1)$$

Sequence: A268413
Score: 7.89802
Type of gen. func.: ogf

$$\{a(n + 2) + 13 a(n + 1) - 14 a(n), a(0) = 1, a(1) = -13\}$$

Sequence: A268414
Score: 11.4307
Type of gen. func.: ogf

$$-\frac{x^2 - 4 x + 1}{(5 x - 1) (x - 1)^2}$$

Sequence: A268414
Score: 5.90588
Type of gen. func.: ogf

$$-(211 f(x) + 114) (5 f(x) x^3 - 11 f(x) x^2 + 7 f(x) x + x^2 - f(x) - 4 x + 1)$$

Sequence: A268414
Score: 6.21671
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 11 a(n + 1) - 5 a(n), a(0) = 1, a(1) = 3, a(2) = 11\}$$

Sequence: A268414
Score: 8.33771
Type of gen. func.: lgdogf

$$-\frac{-5x^3+35x^2-17x+3}{-5x^4+26x^3-30x^2+10x-1}$$

Sequence: A268419
Score: 5.93439
Type of gen. func.: ogf

$$-\frac{x^5+4x^4-2x^3-9x^2+6x-1}{(3x-1)(x-1)(x^2+x-1)(x^2+3x-1)}$$

Sequence: A268428
Score: 7.53941
Type of gen. func.: ogf

$$-\frac{149x^4-296x^3+300x^2-296x+149}{(x^2+1)(x-1)^3}$$

Sequence: A268430
Score: 6.16295
Type of gen. func.: ogf

$$16 f(x)^2 x^3 + 12 f(x)^2 x^2 - 8 f(x)^2 x + f(x)^2 - 4 f(x) x + 9 x^2 + f(x) + 6 x - 2$$

Sequence: A268446
Score: 13.7726
Type of gen. func.: lgdogf

$$\frac{28}{(1-4x)^{1/2}(1+(1-4x)^{1/2})}$$

Sequence: A268446
Score: 6.66768
Type of gen. func.: ogf

$$\{(-4 n^2 - 66 n - 272) a(n + 1) + (n^2 + 18 n + 32) a(n + 2), a(0) = 1, a(1) = 14\}$$

Sequence: A268447
Score: 12.2850
Type of gen. func.: lgdogf

$$\frac{36}{(1 - 4 x)^{1/2} (1 + (1 - 4 x)^{1/2})}$$

Sequence: A268447
Score: 5.94748
Type of gen. func.: ogf

$$\{(-4 n^2 - 82 n - 420) a(n + 1) + (n^2 + 22 n + 40) a(n + 2), a(0) = 1, a(1) = 18\}$$

Sequence: A268451
Score: 5.83335
Type of gen. func.: ogf

$$- \frac{x^5 - 3 x^4 + 8 x^3 - 10 x^2 + 9 x - 3}{(x^3 - 2 x^2 + 3 x - 1)^2}$$

Sequence: A268458
Score: 7.42558
Type of gen. func.: ogf

$$- \frac{x^4 - 4 x^3 + 4 x^2 + 12 x + 11}{(x - 1)^5}$$

Sequence: A268458
Score: 7.91518
Type of gen. func.: lgdogf

$$-\frac{-x^4+4x^3-56x-67}{-x^5+5x^4-8x^3-8x^2+x+11}$$

Sequence: A268459
Score: 6.48517
Type of gen. func.: ogf

$$\frac{4(x^4-4x^3+9x^2+20x+4)}{(x-1)^6}$$

Sequence: A268459
Score: 6.79998
Type of gen. func.: lgdogf

$$-\frac{2x^4-8x^3+24x^2+118x+44}{x^5-5x^4+13x^3+11x^2-16x-4}$$

Sequence: A268460
Score: 4.99417
Type of gen. func.: ogf

$$\frac{2(2x^6-11x^5+13x^4+6x^3-208x^2-151x-11)}{(x-1)^7}$$

Sequence: A268461
Score: 3.76630
Type of gen. func.: ogf

8 7 6 5 4 3 2

$$-\frac{x - 13 x + 88 x - 335 x + 536 x - 1355 x - 2996 x - 937 x - 29}{(x - 1)^{8}}$$

Sequence: A268462
Score: 11.4793
Type of gen. func.: lgdogf

$$-\frac{-32 x^{2} + 56 x - 28}{-16 x^{3} + 32 x^{2} - 22 x + 5}$$

Sequence: A268462
Score: 5.39298
Type of gen. func.: ogf

$$\{(2 n^{2} + 6 n - 8) a(n + 1) + (-n^{2} + 4) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 10\}$$

Sequence: A268462
Score: 9.68137
Type of gen. func.: ogf

$$\frac{2 x^{4} (8 x^{2} - 12 x + 5)}{(2 x - 1)^{4}}$$

Sequence: A268484
Score: 11.7327
Type of gen. func.: ogf

$$-\frac{x^{2} - 6 x - 3}{(x - 1)^{4}}$$

Sequence: A268484
Score: 12.2660
Type of gen. func.: lgdogf

$$-\frac{-2 x^{2} + 16 x + 18}{-x^{3} + 7 x^{2} - 3 x - 3}$$

Sequence: A268484
Score: 4.00771
Type of gen. func.: ogf

$$\{(-3 n - 12) a(n + 4) + (9 - 3 n) a(n + 3) + (30 + 7 n) a(n + 2)$$
$$+ (-n - 3) a(n + 1), a(0) = 3, a(1) = 18, a(2) = 53, a(3) = 116\}$$

Sequence: A268484
Score: 5.95264
Type of gen. func.: ogf

$$(2692 f(x) + 18713)$$
$$(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 4 f(x) x + x^{2} + f(x) - 6 x - 3)$$

Sequence: A268519
Score: 5.94455
Type of gen. func.: ogf

$$-\frac{64000 x^{6} - 31000 x^{5} - 36000 x^{4} + 5400 x^{3} + 900 x^{2} - 424 x + 121}{(4 x - 1) (x - 1) (1000 x^{5} - 1)}$$

Sequence: A268539
Score: 7.76616
Type of gen. func.: ogf

$$-\frac{x (2 x^{4} - 3 x^{3} + 8 x^{2} - 3 x + 2)}{(x^{2} + 1)^{2} (x - 1)^{3}}$$

Sequence: A268549
Score: 3.45247

Type of gen. func.: ogf

$$\{(144 n^3 + 624 n^2 + 900 n + 432) a(n + 1) + (-n^3 - 6 n^2 - 12 n - 8) a(n + 2),$$
$$a(0) = 1, a(1) = 12\}$$

Sequence: A268549
Score: 8.54339
Type of gen. func.: ogf

hypergeom([1/3, 1/2, 1/2], [1, 1], 144 x)

Sequence: A268553
Score: 3.24391
Type of gen. func.: ogf

$$\{(-729 n^4 - 4374 n^3 - 9801 n^2 - 9720 n - 3600) a(n + 1)$$
$$+ (n^4 + 8 n^3 + 24 n^2 + 32 n + 16) a(n + 2), a(0) = 1, a(1) = 36\}$$

Sequence: A268554
Score: 3.02457
Type of gen. func.: ogf

$$\{(-864 n^4 - 5184 n^3 - 11586 n^2 - 11430 n - 4200) a(n + 1)$$
$$+ (2 n^4 + 15 n^3 + 42 n^2 + 52 n + 24) a(n + 2), a(0) = 1, a(1) = 36\}$$

Sequence: A268555
Score: 3.41158
Type of gen. func.: ogf

$$\{(16 n^2 + 64 n + 60) a(n + 1) + (-24 n^2 - 120 n - 150) a(n + 2)$$
$$+ (n^2 + 6 n + 9) a(n + 3), a(0) = 1, a(1) = 6, a(2) = 78\}$$

Sequence: A268579
Score: 7.24885
Type of gen. func.: ogf

$$-\frac{(2 x^2 + 1) (x^2 - 6 x - 1)}{(x + 1)^3 (x - 1)^4}$$

Sequence: A268581
Score: 12.4390
Type of gen. func.: lgdogf

$$-\frac{-x^2 - 2 x + 15}{-x^3 + x^2 + 5 x - 5}$$

Sequence: A268581
Score: 14.1848
Type of gen. func.: ogf

$$\frac{x^2 - 5}{(x - 1)^3}$$

Sequence: A268581
Score: 7.09239
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 5, a(1) = 15, a(2) = 29\}$$

Sequence: A268581
Score: 7.21903
Type of gen. func.: ogf

$$(117 f(x) - 1061) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) + 5)$$

Sequence: A268586
Score: 11.6313
Type of gen. func.: ogf

3

$$\frac{x (3 x - 2)}{(2 x - 1)^3}$$

Sequence: A268586
Score: 14.7171
Type of gen. func.: lgdogf

$$-\frac{-12 x + 9}{-6 x^2 + 7 x - 2}$$

Sequence: A268586
Score: 5.07844
Type of gen. func.: ogf

$\{-a(n + 5) + 6 a(n + 4) - 12 a(n + 3) + 8 a(n + 2), a(0) = 0, a(1) = 0,$

$a(2) = 0, a(3) = 2, a(4) = 9\}$

Sequence: A268586
Score: 6.6772
Type of gen. func.: ogf

$$-f(x) (8 f(x) x^3 - 3 x^4 - 12 f(x) x^2 + 2 x^3 + 6 f(x) x - f(x))$$

Sequence: A268587
Score: 10.5963
Type of gen. func.: lgdogf

$$-\frac{-52 x^2 + 70 x - 24}{-26 x^3 + 45 x^2 - 26 x + 5}$$

Sequence: A268587
Score: 9.04563
Type of gen. func.: ogf

$$\frac{x^4 (13 x^2 - 16 x + 5)}{}$$

$$(2 x - 1)^4$$

Sequence: A268598
Score: 10.3497
Type of gen. func.: ogf

$$- \frac{x^5 (5 x - 4)}{(2 x - 1)^4}$$

Sequence: A268598
Score: 14.3303
Type of gen. func.: lgdogf

$$- \frac{-30 x + 27}{-10 x^2 + 13 x - 4}$$

Sequence: A268598
Score: 4.51622
Type of gen. func.: ogf

$$\{(2 n^2 + 8 n - 10) a(n + 1) + (-n^2 - n + 12) a(n + 2), a(0) = 0, a(1) = 0,$$
$$a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 4\}$$

Sequence: A268599
Score: 10.8416
Type of gen. func.: lgdogf

$$- \frac{-42 x^2 + 66 x - 30}{-14 x^3 + 27 x^2 - 18 x + 4}$$

Sequence: A268599
Score: 3.91192
Type of gen. func.: ogf

3 2 3 2

$\{(2 n + 10 n + 12 n - 80) a(n + 1) + (-n - n + 6 n + 56) a(n + 2), a(0) = 0,$

$a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 8\}$

Sequence: A268599
Score: 8.24904
Type of gen. func.: ogf

$$-\frac{2 x^{6} (7 x^{2} - 10 x + 4)}{(2 x - 1)^{5}}$$

Sequence: A268613
Score: 8.67180
Type of gen. func.: ogf

$$-(19 x^{11} + 3 x^{10} + 16 x^{9} + 7 x^{8} + 9 x^{7} + 18 x^{6} + 11 x^{5} + 7 x^{4} + 4 x^{3} + 3 x^{2} + x + 2) / ((x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1))$$

Sequence: A268615
Score: 8.89140
Type of gen. func.: ogf

$$-(39 x^{11} + 3 x^{10} + 36 x^{9} + 7 x^{8} + 29 x^{7} + 18 x^{6} + 11 x^{5} + 7 x^{4} + 4 x^{3} + 3 x^{2} + x + 2) / ((x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1))$$

Sequence: A268622
Score: 10.4516
Type of gen. func.: lgdogf

$$-\frac{-10 x + 14}{3 x^{3} - 13 x^{2} + 13 x - 3}$$

Sequence: A268622
Score: 11.6129
Type of gen. func.: ogf

$$\frac{3 (x - 1) (x - 3)}{(3 x - 1)^2}$$

Sequence: A268622
Score: 5.97236
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 9 a(n + 1), a(0) = 9, a(1) = 42, a(2) = 174\}$$

Sequence: A268622
Score: 6.60104
Type of gen. func.: ogf

$$(8 f(x) + 75) (9 f(x) x^2 - 6 f(x) x - 3 x^2 + f(x) + 12 x - 9)$$

Sequence: A268623
Score: 3.63119
Type of gen. func.: ogf

$$-(1908947878 f(x) + 2087742399) (4 f(x) x^4 - 20 f(x) x^3 + 29 f(x) x^2 - 6 x^3 - 10 f(x) x - 42 x^2 + f(x) + 66 x - 24)$$

Sequence: A268623
Score: 7.21863
Type of gen. func.: ogf

$$\frac{6 (x^3 + 7 x^2 - 11 x + 4)}{(2 x^2 - 5 x + 1)^2}$$

Sequence: A268624
Score: 4.22119
Type of gen. func.: ogf

$$\frac{6 (8 x^6 - 36 x^5 + 87 x^4 - 157 x^3 + 162 x^2 - 69 x + 10)}{(6 x^3 - 15 x^2 + 9 x - 1)^2}$$

Sequence: A268633
Score: 11.7137
Type of gen. func.: ogf

$$\frac{3 (x + 1)^2}{(3 x - 1)^2}$$

Sequence: A268633
Score: 17.2452
Type of gen. func.: lgdogf

$$- \frac{8}{3 x^2 + 2 x - 1}$$

Sequence: A268633
Score: 5.91264
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 9 a(n + 1), a(0) = 3, a(1) = 24, a(2) = 120\}$$

Sequence: A268633
Score: 6.60455
Type of gen. func.: ogf

$$(2 f(x) + 21) (9 f(x) x^2 - 6 f(x) x - 3 x^2 + f(x) - 6 x - 3)$$

Sequence: A268634
Score: 3.82148
Type of gen. func.: ogf

$$(1253154494 f(x) + 918610471) \left(4 f(x) x^4 - 20 f(x) x^3 + 29 f(x) x^2 - 18 x^3 - 10 f(x) x + 12 x^2 + f(x) - 12 \right)$$

Sequence: A268634
Score: 7.54620
Type of gen. func.: ogf

$$\frac{6 (3 x^3 - 2 x^2 + 2)}{(2 x^2 - 5 x + 1)^2}$$

Sequence: A268635
Score: 4.25178
Type of gen. func.: ogf

$$\frac{6 (8 x^6 - 12 x^5 - 27 x^4 + 38 x^3 + 17 x^2 - 24 x + 6)}{(6 x^3 - 15 x^2 + 9 x - 1)^2}$$

Sequence: A268644
Score: 10.3007
Type of gen. func.: lgdogf

$$- \frac{6 x^3 + 52 x^2 + 40 x - 2}{6 x^4 + 11 x^3 - 15 x^2 - 3 x + 1}$$

Sequence: A268644
Score: 11.0931
Type of gen. func.: ogf

$$\frac{(3 x + 1) (2 x^2 + 5 x - 1)}{(x - 1)^4}$$

Sequence: A268644
Score: 4.39219
Type of gen. func.: ogf

$$\{(-539 n^2 - 2227 n - 2298) a(n + 1) + (286 n^2 - 1060 n - 2556) a(n + 2) + (253 n^2 + 911 n + 456) a(n + 3), a(0) = -1, a(1) = -2, a(2) = 15\}$$

Sequence: A268644
Score: 5.65531
Type of gen. func.: ogf

$$-(254976 f(x) + 1619249) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 6 x^3 - 4 f(x) x - 17 x^2 + f(x) - 2 x + 1)$$

Sequence: A268684
Score: 12.1691
Type of gen. func.: ogf

$$\frac{2 x (3 x + 1)}{(x - 1)^4}$$

Sequence: A268684
Score: 16.4790
Type of gen. func.: lgdogf

$$-\frac{-9 x - 7}{-3 x^2 + 2 x + 1}$$

Sequence: A268684
Score: 5.27327
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 3) + (5 - 2 n) a(n + 2) + (9 + 3 n) a(n + 1), a(0) = 0, a(1) = 2, a(2) = 14\}$$

Sequence: A268684
Score: 5.73182
Type of gen. func.: ogf

$$-(52864 f(x) + 167481)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 6 x^2 + f(x) - 2 x)$$

Sequence: A268685
Score: 11.5030
Type of gen. func.: lgdogf

$$-\frac{30 x^2 + 84 x + 21}{10 x^3 + 6 x^2 - 15 x - 1}$$

Sequence: A268685
Score: 3.81590
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (24 + 15 n) a(n + 3) + (-96 - 6 n) a(n + 2)$$

$$+ (-40 - 10 n) a(n + 1), a(0) = 6, a(1) = 126, a(2) = 630, a(3) = 1950\}$$

Sequence: A268685
Score: 9.79886
Type of gen. func.: ogf

$$-\frac{6 (10 x^2 + 16 x + 1)}{(x - 1)^5}$$

Sequence: A268730
Score: 21.6644
Type of gen. func.: lgdegf]

$$\frac{26}{-16 x + 1}$$

Sequence: A268730

Score: 6.98852
Type of gen. func.: ogf

$$\{(-16 n - 42) a(n + 1) + a(n + 2), a(0) = 10, a(1) = 260\}$$

Sequence: A268735
Score: 5.46098
Type of gen. func.: ogf

$$\frac{2 x^6 - 7 x^5 + 4 x^3 + 4 x^2 + 7 x + 2}{(x^4 - 6 x^2 - 2 x + 1)^2}$$

Sequence: A268741
Score: 10.8384
Type of gen. func.: lgdogf

$$- \frac{-18 x^2 - 16 x - 5}{-18 x^3 + x^2 + 13 x + 4}$$

Sequence: A268741
Score: 16.3780
Type of gen. func.: ogf

$$- \frac{9 x + 4}{(2 x + 1) (x - 1)}$$

Sequence: A268741
Score: 8.47137
Type of gen. func.: ogf

$$(11 f(x) - 19) (2 f(x) x^2 - f(x) x - f(x) + 9 x + 4)$$

Sequence: A268741
Score: 8.98791
Type of gen. func.: ogf

$$\{a(n + 2) + a(n + 1) - 2 a(n), a(0) = 4, a(1) = 5\}$$

Sequence: A268742
Score: 6.82256
Type of gen. func.: ogf

$$-\frac{x\,(2\,x^{7}+18\,x^{6}+11\,x^{5}-x^{4}+10\,x^{3}+18\,x^{2}+x+1)}{(x+1)^{2}\,(x^{2}+1)^{2}\,(x-1)^{3}}$$

Sequence: A268744
Score: 4.83857
Type of gen. func.: ogf

$(2892\,f(x)-55)$

$$(f(x)\,x^{4}+4\,f(x)\,x^{3}+2\,f(x)\,x^{2}+x^{3}-4\,f(x)\,x+4\,x^{2}+f(x)+5\,x-4)$$

Sequence: A268744
Score: 6.82239
Type of gen. func.: lgdogf

$$-\frac{x^{4}+6\,x^{3}+18\,x^{2}+2\,x-11}{x^{5}+6\,x^{4}+12\,x^{3}+2\,x^{2}-13\,x+4}$$

Sequence: A268744
Score: 8.86025
Type of gen. func.: ogf

$$-\frac{x^{3}+4\,x^{2}+5\,x-4}{(x^{2}+2\,x-1)^{2}}$$

Sequence: A268745
Score: 4.78219
Type of gen. func.: ogf

$$x^{7}-x^{6}-6\,x^{5}-13\,x^{4}+37\,x^{3}+41\,x^{2}-4\,x-7$$

$$- \frac{}{(x^4 - 6 x^2 - 2 x + 1)^2}$$

Sequence: A268761
Score: 7.08154
Type of gen. func.: ogf

$$\frac{x^3 - 8 x^2 + 7 x + 2}{(2 x^3 - 3 x^2 - 2 x + 1)^2}$$

Sequence: A268762
Score: 5.04458
Type of gen. func.: ogf

$$- \frac{9 x^4 + 24 x^3 + 3 x^2 - 24 x - 5}{(3 x^4 + 2 x^3 - 7 x^2 - 2 x + 1)^2}$$

Sequence: A268768
Score: 4.28125
Type of gen. func.: ogf

$$-(4853 f(x) - 32450) (4 f(x) x^4 + 4 f(x) x^3 - 12 x^4 - 3 f(x) x^2 - 12 x^3 - 2 f(x) x + x^2 + f(x) - 6 x - 3)$$

Sequence: A268768
Score: 7.77514
Type of gen. func.: ogf

$$\frac{12 x^4 + 12 x^3 - x^2 + 6 x + 3}{(x + 1)^2 (2 x - 1)^2}$$

Sequence: A268769
Score: 4.86194
Type of gen. func.: ogf

$$\frac{2 (4 x^7 + 4 x^6 - 47 x^5 + 20 x^4 + 63 x^3 - 20 x^2 - 8 x + 6)}{(2 x^3 - 3 x^2 - 2 x + 1)^2}$$

Sequence: A268770
Score: 3.26080
Type of gen. func.: ogf

$$2 (54 x^9 + 189 x^8 - 72 x^7 - 734 x^6 - 238 x^5 + 794 x^4 + 332 x^3 - 157 x^2 - 22 x + 18) / (3 x^4 + 2 x^3 - 7 x^2 - 2 x + 1)^2$$

Sequence: A268775
Score: 4.75112
Type of gen. func.: ogf

$$(82458 f(x) - 128675) (4 f(x) x^4 + 4 f(x) x^3 - 3 f(x) x^2 + 4 x^3 - 2 f(x) x + 8 x^2 + f(x) - 3 x - 4)$$

Sequence: A268775
Score: 6.86796
Type of gen. func.: lgdogf

$$- \frac{-8 x^4 - 28 x^3 + 6 x^2 + 19 x + 11}{-8 x^5 - 20 x^4 + 2 x^3 + 19 x^2 + x - 4}$$

Sequence: A268775
Score: 9.00862
Type of gen. func.: ogf

$$- \frac{4 x^3 + 8 x^2 - 3 x - 4}{(x + 1)^2 (2 x - 1)^2}$$

Sequence: A268776
Score: 6.03896
Type of gen. func.: ogf

$$-\frac{4x^5 - 8x^4 - 12x^3 + 27x^2 + 2x - 7}{(2x^3 - 3x^2 - 2x + 1)^2}$$

Sequence: A268777
Score: 4.15484
Type of gen. func.: ogf

$$-\frac{9x^7 + 21x^6 - 26x^5 - 66x^4 + 36x^3 + 74x^2 - 13x - 13}{(3x^4 + 2x^3 - 7x^2 - 2x + 1)^2}$$

Sequence: A268783
Score: 7.78462
Type of gen. func.: ogf

$$\frac{x^3 + 4x^2 + 3x + 1}{(x^3 + 2x^2 + x - 1)^2}$$

Sequence: A268784
Score: 4.37248
Type of gen. func.: ogf

$$-\frac{4x^6 + 10x^5 + 8x^4 - 9x^3 - 20x^2 - 13x - 2}{(x + 1)^2 (x^4 - x^3 - 3x^2 - 2x + 1)^2}$$

Sequence: A268792
Score: 5.33144
Type of gen. func.: ogf

$$\frac{3x^6 + 8x^5 + 12x^4 + 18x^3 + 25x^2 + 16x + 3}{}$$

$$(x^3 + 2 x^2 + x - 1)^2$$

Sequence: A268793
Score: 3.24805
Type of gen. func.: ogf

$$2 (5 x^{11} - 42 x^9 - 46 x^8 + 88 x^7 + 212 x^6 + 102 x^5 - 98 x^4 - 112 x^3 - 8 x^2 + 27 x + 6) / ((x + 1)^2 (x^4 - x^3 - 3 x^2 - 2 x + 1)^2)$$

Sequence: A268803
Score: 5.49459
Type of gen. func.: ogf

$$\frac{3 x^6 + 6 x^5 + 2 x^4 - 2 x^3 + 9 x^2 + 16 x + 9}{(x^3 + 2 x^2 + x - 1)^2}$$

Sequence: A268810
Score: 11.1596
Type of gen. func.: lgdogf

$$- \frac{-3 x^4 - 4 x^3 - 5 x^2 - 2 x - 4}{-x^5 - x^3 + x^2 + 1}$$

Sequence: A268810
Score: 11.5730
Type of gen. func.: ogf

$$- \frac{2 x (x^2 + x + 1)}{(x^2 + 1) (x - 1)^3}$$

Sequence: A268810
Score: 28.2733
Type of gen. func.: ogf_with_Euler_transform]

$$x^3 - x^2 - x + 4$$

Sequence: A268839
Score: 13.0235
Type of gen. func.: lgdogf

$$-\frac{22x - 12}{11x^2 - 12x + 1}$$

Sequence: A268839
Score: 19.3492
Type of gen. func.: ogf

$$\frac{9}{(11x - 1)(x - 1)}$$

Sequence: A268839
Score: 7.44199
Type of gen. func.: ogf

$$(16105 f(x) + 41679) (11 f(x) x^2 - 12 f(x) x + f(x) - 9)$$

Sequence: A268839
Score: 7.87466
Type of gen. func.: ogf

$$\{-a(n+2) + 12 a(n+1) - 11 a(n), a(0) = 9, a(1) = 108\}$$

Sequence: A268866
Score: 3.21636
Type of gen. func.: ogf

$$-\frac{13x^2 - x - 2}{(4x + 1)(4x - 1)(x - 1)}$$

Sequence: A268881
Score: 4.41273
Type of gen. func.: ogf

$$-(74 f(x) - 1) (9 f(x) x^4 - 30 f(x) x^3 + 31 f(x) x^2 + 4 x^3 - 10 f(x) x - 6 x^2 + f(x) + 6 x - 2)$$

Sequence: A268881
Score: 6.33510
Type of gen. func.: lgdogf

$$-\frac{-6 x^4 + 8 x^3 - 21 x^2 + 21 x - 7}{-6 x^5 + 19 x^4 - 26 x^3 + 21 x^2 - 8 x + 1}$$

Sequence: A268881
Score: 7.99806
Type of gen. func.: ogf

$$-\frac{2 (2 x - 1) (x^2 - x + 1)}{(3 x^2 - 5 x + 1)^2}$$

Sequence: A268882
Score: 4.37205
Type of gen. func.: ogf

$$\frac{4 x^6 - 80 x^5 + 156 x^4 - 131 x^3 + 77 x^2 - 26 x + 5}{(4 x^3 - 12 x^2 + 8 x - 1)^2}$$

Sequence: A268883
Score: 3.32290
Type of gen. func.: ogf

$$2 (74 x^8 - 835 x^7 + 2649 x^6 - 3086 x^5 + 1962 x^4 - 836 x^3 + 246 x^2 - 51 x + 5) \Big/ \left((x - 1)^2 (5 x^3 - 24 x^2 + 12 x - 1)^2\right)$$

/

Sequence: A268887
Score: 6.62399
Type of gen. func.: lgdogf

$$-\frac{-4x^4-26x^3-66x^2-66x-14}{-x^5-7x^4-18x^3-18x^2-x+5}$$

Sequence: A268887
Score: 7.50719
Type of gen. func.: ogf

$$\frac{x(x^2+4x+5)}{(x+1)^2(x^2+2x-1)^2}$$

Sequence: A268888
Score: 4.54106
Type of gen. func.: ogf

$$-\frac{x(x-2)(2x^4+6x^3+13x^2+17x+10)}{(x+1)(x^4-6x^2-2x+1)}$$

Sequence: A268896
Score: 7.88560
Type of gen. func.: ogf

$$-\frac{5x^5+x^4-3x^3-5x^2-3x-1}{(x-1)(2x^3-1)(x^2+x+1)}$$

Sequence: A268898
Score: 12.6963
Type of gen. func.: lgdogf

$$-\frac{16x+12}{16x^2-1}$$

Sequence: A268898
Score: 12.6963
Type of gen. func.: ogf

$$\frac{3(4x+1)}{(4x-1)^2}$$

Sequence: A268898
Score: 6.63029
Type of gen. func.: ogf

$$(16 f(x) + 195)(16 f(x) x^2 - 8 f(x) x + f(x) - 12 x - 3)$$

Sequence: A268898
Score: 7.10388
Type of gen. func.: ogf

$$\{-a(n+2) + 8 a(n+1) - 16 a(n), a(0) = 3, a(1) = 36\}$$

Sequence: A268899
Score: 11.8355
Type of gen. func.: lgdogf

$$-\frac{12x+14}{12x^2+4x-1}$$

Sequence: A268899
Score: 12.3186
Type of gen. func.: ogf

$$\frac{12(2x+1)}{(6x-1)^2}$$

Sequence: A268899
Score: 6.49043
Type of gen. func.: ogf

$$(54 f(x) + 1753) (36 f(x) x^2 - 12 f(x) x + f(x) - 24 x - 12)$$

Sequence: A268899
Score: 6.93805
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 36 a(n), a(0) = 12, a(1) = 168\}$$

Sequence: A268900
Score: 4.63779
Type of gen. func.: ogf

$$\{-a(n + 3) + 18 a(n + 2) - 81 a(n + 1), a(0) = 36, a(1) = 696, a(2) = 9720\}$$

Sequence: A268900
Score: 5.00153
Type of gen. func.: ogf

$$(12 f(x) + 409) (81 f(x) x^2 - 18 f(x) x - 108 x^2 + f(x) - 48 x - 36)$$

Sequence: A268900
Score: 8.36323
Type of gen. func.: lgdogf

$$-\frac{54 x + 58}{81 x^3 + 27 x^2 + 23 x - 3}$$

Sequence: A268900
Score: 8.64673
Type of gen. func.: ogf

$$12 (9 x^2 + 4 x + 3)$$

$$(9 x - 1)^2$$

Sequence: A268901
Score: 3.08784
Type of gen. func.: ogf

$$(54379396 f(x) - 40363165) (324 f(x) x^4 - 540 f(x) x^3 + 261 f(x) x^2 + 432 x^3 - 30 f(x) x - 72 x^2 + f(x) + 216 x - 96)$$

Sequence: A268901
Score: 5.62672
Type of gen. func.: ogf

$$- \frac{24 (18 x^3 - 3 x^2 + 9 x - 4)}{(18 x^2 - 15 x + 1)^2}$$

Sequence: A268902
Score: 3.92200
Type of gen. func.: ogf

$$\frac{24 (1701 x^5 - 1485 x^4 + 93 x^3 + 262 x^2 - 95 x + 10)}{(81 x^3 - 90 x^2 + 25 x - 1)^2}$$

Sequence: A268905
Score: 10.3994
Type of gen. func.: lgdogf

$$- \frac{-10 x + 14}{3 x^3 - 13 x^2 + 13 x - 3}$$

Sequence: A268905
Score: 10.3994
Type of gen. func.: ogf

$$\frac{12 x (x - 1) (x - 3)}{(3 x - 1)^2}$$

Sequence: A268905
Score: 5.28782
Type of gen. func.: ogf

$\{-a(n + 4) + 6 a(n + 3) - 9 a(n + 2), a(0) = 0, a(1) = 36, a(2) = 168, a(3) = 696\}$

Sequence: A268905
Score: 5.83143
Type of gen. func.: ogf

$$-(74 f(x) + 473) (9 f(x) x^2 - 12 x^3 - 6 f(x) x + 48 x^2 + f(x) - 36 x)$$

Sequence: A268906
Score: 5.31715
Type of gen. func.: ogf

$$\frac{24 x (37 x^4 - 47 x^3 + 35 x^2 - 34 x + 10)}{(2 x^2 - 5 x + 1)^2}$$

Sequence: A268936
Score: 5.47348
Type of gen. func.: ogf

$$- \frac{x^3 (3 x^6 - 20 x^5 + 57 x^4 - 91 x^3 + 116 x^2 + 105 x + 10)}{(x - 1)^7}$$

Sequence: A268938
Score: 11.9842
Type of gen. func.: ogf

$$3 (2 x^2 - 1)$$

$$-\frac{}{(2 x - 1) (3 x^2 + x - 1)}$$

Sequence: A268938
Score: 6.04514
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - a(n + 1) + 6 a(n), a(0) = 3, a(1) = 9, a(2) = 24\}$$

Sequence: A268938
Score: 6.21002
Type of gen. func.: ogf

$$(71 f(x) - 102) (6 f(x) x^3 - f(x) x^2 - 3 f(x) x + 6 x^2 + f(x) - 3)$$

Sequence: A268938
Score: 7.42501
Type of gen. func.: lgdogf

$$-\frac{-12 x^4 + 12 x^2 + 2 x - 3}{-12 x^5 + 2 x^4 + 12 x^3 - 3 x^2 - 3 x + 1}$$

Sequence: A268939
Score: 10.2404
Type of gen. func.: ogf

$$-\frac{4 (3 x^2 + x - 1)}{(3 x - 1) (4 x^2 + 2 x - 1)}$$

Sequence: A268939
Score: 5.33178
Type of gen. func.: ogf

$$-(397 f(x) - 378) (12 f(x) x^3 + 2 f(x) x^2 - 5 f(x) x + 12 x^2 + f(x) + 4 x - 4)$$

Sequence: A268939
Score: 5.60995
Type of gen. func.: ogf

$$\{a(n+3) - 5\,a(n+2) + 2\,a(n+1) + 12\,a(n),\ a(0) = 4,\ a(1) = 16,\ a(2) = 60\}$$

Sequence: A268940
Score: 5.08526
Type of gen. func.: ogf

$$-(4327\,f(x) - 3980)\,(20\,f(x)\,x^3 + 7\,f(x)\,x^2 - 7\,f(x)\,x + 20\,x^2 + f(x) + 10\,x - 5)$$

Sequence: A268940
Score: 5.43597
Type of gen. func.: ogf

$$\{a(n+3) - 7\,a(n+2) + 7\,a(n+1) + 20\,a(n),\ a(0) = 5,\ a(1) = 25,\ a(2) = 120\}$$

Sequence: A268940
Score: 9.85269
Type of gen. func.: ogf

$$-\frac{5\,(4\,x^2 + 2\,x - 1)}{(4\,x - 1)\,(5\,x^2 + 3\,x - 1)}$$

Sequence: A268941
Score: 4.57748
Type of gen. func.: ogf

$$-(8107\,f(x) - 7545)\,(30\,f(x)\,x^3 + 14\,f(x)\,x^2 - 9\,f(x)\,x + 30\,x^2 + f(x) + 18\,x - 6)$$

Sequence: A268941
Score: 4.89046
Type of gen. func.: ogf

$\{a(n + 3) - 9 a(n + 2) + 14 a(n + 1) + 30 a(n), a(0) = 6, a(1) = 36, a(2) = 210\}$

Sequence: A268941
Score: 8.80283
Type of gen. func.: ogf

$$-\frac{6 (5 x^2 + 3 x - 1)}{(5 x - 1) (6 x^2 + 4 x - 1)}$$

Sequence: A268942
Score: 4.82126
Type of gen. func.: ogf

$$-(47903 f(x) - 45234) (42 f(x) x^3 + 23 f(x) x^2 - 11 f(x) x + 42 x^2 + f(x) + 28 x - 7)$$

Sequence: A268942
Score: 5.22983
Type of gen. func.: ogf

$\{a(n + 3) - 11 a(n + 2) + 23 a(n + 1) + 42 a(n), a(0) = 7, a(1) = 49, a(2) = 336\}$

Sequence: A268942
Score: 9.35030
Type of gen. func.: ogf

$$-\frac{7 (6 x^2 + 4 x - 1)}{(6 x - 1) (7 x^2 + 5 x - 1)}$$

Sequence: A268943
Score: 4.57768
Type of gen. func.: ogf

```
-(59993 f(x) - 57316)

              3             2                      2
    (56 f(x) x  + 34 f(x) x  - 13 f(x) x + 56 x  + f(x) + 40 x - 8)
```

Sequence: A268943
Score: 4.96563
Type of gen. func.: ogf

```
{a(n + 3) - 13 a(n + 2) + 34 a(n + 1) + 56 a(n), a(0) = 8, a(1) = 64,

    a(2) = 504}
```

Sequence: A268943
Score: 8.87794
Type of gen. func.: ogf

```
                   2
          8 (7 x  + 5 x - 1)
    - ---------------------------
                        2
      (7 x - 1) (8 x  + 6 x - 1)
```

Sequence: A268945
Score: 7.42558
Type of gen. func.: ogf

```
        4      3      2
       x  - 5 x  + 5 x  + 13 x + 10
    - ------------------------------
                       5
                (x - 1)
```

Sequence: A268945
Score: 7.82914
Type of gen. func.: lgdogf

```
                4      3
             -x  + 6 x  - 62 x - 63
    - ------------------------------------
          5      4       3      2
       -x  + 6 x  - 10 x  - 8 x  + 3 x + 10
```

Sequence: A268946
Score: 6.09042
Type of gen. func.: ogf

$$\frac{x^5 - 6 x^4 - 8 x^3 + 44 x^2 + 75 x + 14}{(x - 1)^6}$$

Sequence: A268947
Score: 4.99417
Type of gen. func.: ogf

$$- \frac{2 (x^6 - 7 x^5 - 19 x^4 + 18 x^3 + 235 x^2 + 121 x + 11)}{(x - 1)^7}$$

Sequence: A268948
Score: 3.91936
Type of gen. func.: ogf

$$\frac{3 (x^7 - 8 x^6 - 55 x^5 - 110 x^4 + 675 x^3 + 924 x^2 + 243 x + 10)}{(x - 1)^8}$$

Sequence: A268965
Score: 11.5340
Type of gen. func.: lgdogf

$$- \frac{-16 x + 20}{-16 x^2 + 16 x - 3}$$

Sequence: A268965
Score: 12.7611
Type of gen. func.: ogf

$$- \frac{3 (4 x - 3)}{(4 x - 1)^2}$$

Sequence: A268965
Score: 6.66412

Type of gen. func.: ogf

$$(24 f(x) + 409) (16 f(x) x^2 - 8 f(x) x + f(x) + 12 x - 9)$$

Sequence: A268965
Score: 7.14012
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 16 a(n), a(0) = 9, a(1) = 60\}$$

Sequence: A268966
Score: 11.8932
Type of gen. func.: lgdogf

$$- \frac{-12 x + 10}{-12 x^2 + 8 x - 1}$$

Sequence: A268966
Score: 12.3787
Type of gen. func.: ogf

$$- \frac{24 (2 x - 1)}{(6 x - 1)^2}$$

Sequence: A268966
Score: 6.66543
Type of gen. func.: ogf

$$(9 f(x) + 409) (36 f(x) x^2 - 12 f(x) x + f(x) + 48 x - 24)$$

Sequence: A268966
Score: 6.97190
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 36 a(n), a(0) = 24, a(1) = 240\}$$

Sequence: A268967
Score: 4.62098
Type of gen. func.: ogf

$$\{-a(n + 3) + 18 a(n + 2) - 81 a(n + 1), a(0) = 60, a(1) = 912, a(2) = 11664\}$$

Sequence: A268967
Score: 5.02871
Type of gen. func.: ogf

$$(3 f(x) + 181) (81 f(x) x^{2} - 18 f(x) x - 108 x^{2} + f(x) + 168 x - 60)$$

Sequence: A268967
Score: 8.14173
Type of gen. func.: lgdogf

$$- \frac{-108 x + 76}{81 x^{3} - 135 x^{2} + 59 x - 5}$$

Sequence: A268967
Score: 8.54882
Type of gen. func.: ogf

$$\frac{12 (9 x - 5) (x - 1)}{(9 x - 1)^{2}}$$

Sequence: A268968
Score: 2.97727
Type of gen. func.: ogf

$$-(4556663 f(x) + 1390135) (324 f(x) x^{4} - 540 f(x) x^{3} + 261 f(x) x^{2} + 1728 x^{3}$$

$$- 30 f(x) x - 2016 x^{2} + f(x) + 1008 x - 144)$$

Sequence: A268968
Score: 5.35908
Type of gen. func.: ogf

$$-\frac{144\,(12\,x^{3}-14\,x^{2}+7\,x-1)}{(18\,x^{2}-15\,x+1)^{2}}$$

Sequence: A268969
Score: 3.39824
Type of gen. func.: ogf

$$\frac{24\,(243\,x^{5}+1674\,x^{4}-2391\,x^{3}+1115\,x^{2}-214\,x+14)}{(81\,x^{3}-90\,x^{2}+25\,x-1)^{2}}$$

Sequence: A268972
Score: 10.0037
Type of gen. func.: ogf

$$\frac{3\,(x-3)\,(4\,x^{2}-x-1)}{(3\,x-1)^{2}}$$

Sequence: A268972
Score: 5.29608
Type of gen. func.: ogf

{a(n + 4) - 6 a(n + 3) + 9 a(n + 2), a(0) = 9, a(1) = 60, a(2) = 240,

a(3) = 912}

Sequence: A268972
Score: 6.00223
Type of gen. func.: ogf

$$(11\,f(x)+51)\,(9\,f(x)\,x^{2}-12\,x^{3}-6\,f(x)\,x+39\,x^{2}+f(x)-6\,x-9)$$

Sequence: A268972
Score: 7.24406
Type of gen. func.: lgdogf

$$-\frac{12 x^{3} - 12 x^{2} + 20 x - 20}{-12 x^{4} + 43 x^{3} - 19 x^{2} - 7 x + 3}$$

Sequence: A268973
Score: 5.24999
Type of gen. func.: ogf

$$\frac{3 (280 x^{5} - 332 x^{4} + 236 x^{3} - 187 x^{2} + 22 x + 9)}{(2 x^{2} - 5 x + 1)^{2}}$$

Sequence: A268989
Score: 4.29183
Type of gen. func.: ogf

$$-(866 f(x) + 291)$$

$$(f(x) x^{4} - 6 f(x) x^{3} + 11 f(x) x^{2} + x^{3} - 6 f(x) x - 7 x^{2} + f(x) + 11 x - 4)$$

Sequence: A268989
Score: 7.98608
Type of gen. func.: ogf

$$-\frac{x^{3} - 7 x^{2} + 11 x - 4}{(x^{2} - 3 x + 1)^{2}}$$

Sequence: A268990
Score: 4.43405
Type of gen. func.: ogf

$$(8 f(x) + 559) (9 f(x) x^{4} - 30 f(x) x^{3} + 31 f(x) x^{2} + 16 x^{3} - 10 f(x) x - 41 x^{2}$$

$$+ f(x) + 35 x - 7)$$

Sequence: A268990
Score: 7.74622
Type of gen. func.: ogf

$$-\frac{16x^3 - 41x^2 + 35x - 7}{(3x^2 - 5x + 1)^2}$$

Sequence: A268991
Score: 4.30841
Type of gen. func.: ogf

$$\frac{4x^6 - 112x^5 + 312x^4 - 407x^3 + 301x^2 - 105x + 13}{(4x^3 - 12x^2 + 8x - 1)^2}$$

Sequence: A268992
Score: 3.30252
Type of gen. func.: ogf

$$(168x^8 - 1951x^7 + 6644x^6 - 9078x^5 + 7607x^4 - 4483x^3 + 1646x^2 - 320x + 23) \Big/ \left((x - 1)^2 (5x^3 - 24x^2 + 12x - 1)^2\right)$$

Sequence: A268996
Score: 6.20912
Type of gen. func.: ogf

$$-\frac{x^5 + 7x^4 + 16x^3 + 11x^2 - 5x - 4}{(x + 1)^2 (x^2 + 2x - 1)^2}$$

Sequence: A268997
Score: 3.64301
Type of gen. func.: ogf

$$-\frac{x^8 + 2x^7 - 9x^6 - 25x^5 + 20x^4 + 81x^3 + 45x^2 - 17x - 8}{(x + 1)(x^4 - 6x^2 - 2x + 1)^2}$$

Sequence: A269006
Score: 5.47957
Type of gen. func.: ogf

$$\frac{2 (3 x - 1) (x - 1) (3 x^2 - 2 x + 1)}{(3 x^3 + 3 x^2 - 5 x + 1)^2}$$

Sequence: A269007
Score: 4.68083
Type of gen. func.: ogf

$$\frac{4 x^6 + 16 x^5 + 60 x^4 - 124 x^3 + 73 x^2 - 24 x + 5}{(8 x^3 + 2 x^2 - 6 x + 1)^2}$$

Sequence: A269012
Score: 12.9516
Type of gen. func.: ogf

$$\frac{4 x}{(3 x^2 + x - 1)^2}$$

Sequence: A269012
Score: 14.0088
Type of gen. func.: lgdogf

$$- \frac{-12 x - 2}{-3 x^2 - x + 1}$$

Sequence: A269012
Score: 4.57622
Type of gen. func.: ogf

{(-2 - n) a(n + 3) + (n + 3) a(n + 2) + (12 + 3 n) a(n + 1), a(0) = 0, a(1) = 4,

a(2) = 8}

Sequence: A269012
Score: 5.58077
Type of gen. func.: ogf

$$-(29 f(x) - 44) (9 f(x) x^4 + 6 f(x) x^3 - 5 f(x) x^2 - 2 f(x) x + f(x) - 4 x)$$

Sequence: A269013
Score: 6.60103
Type of gen. func.: ogf

$$\frac{x (x^2 - 14 x + 15)}{(5 x^3 - 6 x^2 - 2 x + 1)^2}$$

Sequence: A269014
Score: 4.44751
Type of gen. func.: ogf

$$-\frac{8 x (12 x^3 + 13 x^2 - 4 x - 6)}{(18 x^4 + 7 x^3 - 16 x^2 - 2 x + 1)^2}$$

Sequence: A269019
Score: 12.9493
Type of gen. func.: ogf

$$\frac{5 x^2 - 5 x + 2}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A269019
Score: 6.75132
Type of gen. func.: ogf

$$-(66 f(x) + 13) (2 f(x) x^3 - f(x) x^2 - 2 f(x) x - 5 x^2 + f(x) + 5 x - 2)$$

Sequence: A269019

Score: 7.05272
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + a(n + 1) - 2 a(n), a(0) = 2, a(1) = -1, a(2) = 5\}$$

Sequence: A269019
Score: 7.66898
Type of gen. func.: lgdogf

$$-\frac{-10 x^4 + 20 x^3 - 27 x^2 + 14 x - 1}{-10 x^5 + 15 x^4 + x^3 - 13 x^2 + 9 x - 2}$$

Sequence: A269025
Score: 12.6074
Type of gen. func.: lgdogf

$$-\frac{120 x - 61}{60 x^2 - 61 x + 1}$$

Sequence: A269025
Score: 19.0913
Type of gen. func.: ogf

$$\frac{1}{(60 x - 1) (x - 1)}$$

Sequence: A269025
Score: 7.59311
Type of gen. func.: ogf

$$(3601 f(x) + 120) (60 f(x) x^2 - 61 f(x) x + f(x) - 1)$$

Sequence: A269025
Score: 7.86111
Type of gen. func.: ogf

$$\{-a(n + 2) + 61 a(n + 1) - 60 a(n), a(0) = 1, a(1) = 61\}$$

Sequence: A269028
Score: 13.3824
Type of gen. func.: ogf

$$-\frac{39 x - 1}{x^{2} - 40 x + 1}$$

Sequence: A269028
Score: 6.48426
Type of gen. func.: ogf

$$-(1520 f(x) - 1519) (f(x) x^{2} - 40 f(x) x + f(x) + 39 x - 1)$$

Sequence: A269028
Score: 7.57799
Type of gen. func.: ogf

$$\{a(n + 2) - 40 a(n + 1) + a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A269028
Score: 8.98533
Type of gen. func.: lgdogf

$$-\frac{-39 x^{2} + 2 x - 1}{-39 x^{3} + 1561 x^{2} - 79 x + 1}$$

Sequence: A269030
Score: 3.38342
Type of gen. func.: ogf

$$-(78901 f(x) - 13678764) (4 f(x) x^{4} - 20 f(x) x^{3} - 48 x^{4} + 29 f(x) x^{2} + 192 x^{3} - 10 f(x) x - 216 x^{2} + f(x) + 72 x - 12)$$

Sequence: A269030
Score: 6.05453
Type of gen. func.: ogf

$$\frac{12 (4 x^4 - 16 x^3 + 18 x^2 - 6 x + 1)}{(2 x^2 - 5 x + 1)^2}$$

Sequence: A269031
Score: 3.37417
Type of gen. func.: ogf

$$(464531629632364 + 440819624061 f(x)) (16 f(x) x^4 - 56 f(x) x^3 - 630 x^4 + 57 f(x) x^2 + 1644 x^3 - 14 f(x) x - 1194 x^2 + f(x) + 288 x - 36)$$

Sequence: A269031
Score: 6.24221
Type of gen. func.: ogf

$$\frac{6 (105 x^4 - 274 x^3 + 199 x^2 - 48 x + 6)}{(4 x^2 - 7 x + 1)^2}$$

Sequence: A269036
Score: 11.7834
Type of gen. func.: lgdogf

$$- \frac{4 x^2 - 8 x - 2}{2 x^3 - 3 x + 1}$$

Sequence: A269036
Score: 3.60585
Type of gen. func.: ogf

$\{(n + 3) a(n + 4) + (-8 - 3 n) a(n + 3) - 8 a(n + 2) + (4 + 2 n) a(n + 1),$

$a(0) = 0, a(1) = 24, a(2) = 48, a(3) = 216\}$

Sequence: A269036
Score: 5.36479
Type of gen. func.: ogf

$$-(f(x) - 13) (4 f(x) x^4 + 8 f(x) x^3 - 24 x^3 - 4 f(x) x + 48 x^2 + f(x) - 24 x)$$

Sequence: A269036
Score: 9.70397
Type of gen. func.: ogf

$$\frac{24 x (x - 1)^2}{(2 x^2 + 2 x - 1)^2}$$

Sequence: A269037
Score: 4.45318
Type of gen. func.: ogf

$$\frac{6 x (4 x^6 - 16 x^5 - 3 x^4 + 40 x^3 + 33 x^2 - 62 x + 20)}{(2 x^3 - 4 x^2 - 3 x + 1)^2}$$

Sequence: A269044
Score: 10.1995
Type of gen. func.: ogf

$$(13 f(x) + 109) (f(x) x^2 - 2 f(x) x + f(x) - 6 x - 7)$$

Sequence: A269044
Score: 10.8139
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 7, a(1) = 20\}$$

Sequence: A269044
Score: 18.3175
Type of gen. func.: lgdogf

$$-\frac{6x+20}{6x^2+x-7}$$

Sequence: A269044
Score: 19.9457
Type of gen. func.: ogf

$$\frac{6x+7}{(x-1)^2}$$

Sequence: A269047
Score: 3.37891
Type of gen. func.: ogf

$$-(366082 f(x) - 59082999) (4 f(x) x^4 - 20 f(x) x^3 - 48 x^4 + 29 f(x) x^2 + 204 x^3 - 10 f(x) x - 270 x^2 + f(x) + 138 x - 24)$$

Sequence: A269047
Score: 6.05388
Type of gen. func.: ogf

$$\frac{6 (2x-1) (x-1) (4x^2 - 11x + 4)}{(2x^2 - 5x + 1)^2}$$

Sequence: A269048
Score: 3.37417
Type of gen. func.: ogf

$$(556613116368717 + 613922490442 f(x)) (16 f(x) x^4 - 56 f(x) x^3 - 630 x^4 + 57 f(x) x^2 + 1740 x^3 - 14 f(x) x - 1458 x^2 + f(x) + 480 x - 60)$$

Sequence: A269048
Score: 6.24221

Type of gen. func.: ogf

$$\frac{6 (105 x^4 - 290 x^3 + 243 x^2 - 80 x + 10)}{(4 x^2 - 7 x + 1)^2}$$

Sequence: A269053
Score: 5.38196
Type of gen. func.: ogf

$$(68 f(x) - 1175)$$

$$(4 f(x) x^4 + 8 f(x) x^3 - 24 x^3 - 4 f(x) x + 66 x^2 + f(x) - 6 x - 9)$$

Sequence: A269053
Score: 9.47530
Type of gen. func.: ogf

$$\frac{3 (8 x^3 - 22 x^2 + 2 x + 3)}{(2 x^2 + 2 x - 1)^2}$$

Sequence: A269054
Score: 4.40251
Type of gen. func.: ogf

$$\frac{3 (8 x^7 - 24 x^6 - 38 x^5 + 82 x^4 + 148 x^3 - 141 x^2 + 4 x + 9)}{(2 x^3 - 4 x^2 - 3 x + 1)^2}$$

Sequence: A269059
Score: 11.0442
Type of gen. func.: ogf

$$\frac{(2 x^2 - 1)^2}{(2 x - 1)^2 (x - 1)^2}$$

Sequence: A269059
Score: 12.5502
Type of gen. func.: lgdogf

$$-\frac{-12 x^2 + 16 x - 6}{-4 x^4 + 6 x^3 - 3 x + 1}$$

Sequence: A269059
Score: 6.09052
Type of gen. func.: ogf

$$(5 f(x) + 68)$$

$$(4 f(x) x^4 - 12 f(x) x^3 - 4 x^4 + 13 f(x) x^2 - 6 f(x) x + 4 x^2 + f(x) - 1)$$

Sequence: A269064
Score: 7.81580
Type of gen. func.: ogf

$$\frac{x (x^6 + 5 x^5 + 2 x^4 + 8 x^3 + 2 x^2 + 2 x + 1)}{(x^2 + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A269070
Score: 5.31025
Type of gen. func.: ogf

$$-\frac{9 x^5 + 9 x^4 + 24 x^3 - 70 x^2 + 43 x - 7}{(3 x^3 + 3 x^2 - 5 x + 1)^2}$$

Sequence: A269071
Score: 4.69098
Type of gen. func.: ogf

$$\frac{4 x^6 - 48 x^5 - 20 x^4 - 28 x^3 + 129 x^2 - 80 x + 13}{(8 x^3 + 2 x^2 - 6 x + 1)^2}$$

Sequence: A269076
Score: 4.99831
Type of gen. func.: ogf

$$(118 f(x) - 423) (9 f(x) x^4 + 6 f(x) x^3 - 5 f(x) x^2 + 9 x^3 - 2 f(x) x + 15 x^2 + f(x) - 3 x - 4)$$

Sequence: A269076
Score: 7.47115
Type of gen. func.: lgdogf

$$-\frac{-27 x^4 - 81 x^3 + 21 x + 11}{-27 x^5 - 54 x^4 + 3 x^3 + 30 x^2 + x - 4}$$

Sequence: A269076
Score: 9.09947
Type of gen. func.: ogf

$$-\frac{9 x^3 + 15 x^2 - 3 x - 4}{(3 x^2 + x - 1)^2}$$

Sequence: A269077
Score: 5.63278
Type of gen. func.: ogf

$$-\frac{25 x^5 - 35 x^4 - 45 x^3 + 69 x^2 - 8}{(5 x^3 - 6 x^2 - 2 x + 1)^2}$$

Sequence: A269078
Score: 3.55183
Type of gen. func.: ogf

$$-\frac{324 x^7 + 576 x^6 - 275 x^5 - 691 x^4 + 104 x^3 + 267 x^2 - 25 x - 16}{}$$

$$(18 x^4 + 7 x^3 - 16 x^2 - 2 x + 1)^2$$

Sequence: A269083
Score: 6.29755
Type of gen. func.: ogf

$$-\frac{x^5 + 5 x^4 + 9 x^3 + 4 x^2 - 3 x - 4}{(x^3 + 2 x^2 + x - 1)^2}$$

Sequence: A269084
Score: 3.74102
Type of gen. func.: ogf

$$-\frac{x^9 + x^8 - 8 x^7 - 13 x^6 + 15 x^5 + 60 x^4 + 56 x^3 + 9 x^2 - 16 x - 7}{(x + 1)^2 (x^4 - x^3 - 3 x^2 - 2 x + 1)^2}$$

Sequence: A269091
Score: 10.4802
Type of gen. func.: lgdogf

$$-\frac{72 x + 24}{7 x^3 + 69 x^2 - 3 x - 1}$$

Sequence: A269091
Score: 11.0416
Type of gen. func.: ogf

$$\frac{4 (x^2 + 10 x + 1)}{(7 x - 1)^2}$$

Sequence: A269091
Score: 5.72530
Type of gen. func.: ogf

$$\{-a(n + 3) + 14 a(n + 2) - 49 a(n + 1), a(0) = 4, a(1) = 96, a(2) = 1152\}$$

Sequence: A269091
Score: 6.18332
Type of gen. func.: ogf

$$(95 f(x) + 1972) (49 f(x) x^2 - 14 f(x) x - 4 x^2 + f(x) - 40 x - 4)$$

Sequence: A269092
Score: 2.67984
Type of gen. func.: ogf

$$-(-93237539145006 + 23658168117317 f(x)) (729 f(x) x^4 - 972 f(x) x^3 - 216 x^4 + 378 f(x) x^2 - 792 x^3 - 36 f(x) x + 1104 x^2 + f(x) - 288 x - 24)$$

Sequence: A269092
Score: 5.04441
Type of gen. func.: ogf

$$\frac{24 (9 x^4 + 33 x^3 - 46 x^2 + 12 x + 1)}{(27 x^2 - 18 x + 1)^2}$$

Sequence: A269093
Score: 3.18467
Type of gen. func.: ogf

$$\frac{12 (7371 x^6 - 1070 x^5 - 16701 x^4 + 13928 x^3 - 3039 x^2 + 142 x + 9)}{(263 x^3 - 267 x^2 + 45 x - 1)^2}$$

Sequence: A269098
Score: 11.1165
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 - x^3 + 2 x^2 + x + 1)}{}$$

$$(x^2 + x + 1)^2 (x - 1)^2$$

Sequence: A269100
Score: 10.1758
Type of gen. func.: ogf

$$(13 f(x) + 145) (f(x) x^2 - 2 f(x) x + f(x) - 2 x - 11)$$

Sequence: A269100
Score: 10.7815
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 11, a(1) = 24\}$$

Sequence: A269100
Score: 18.1129
Type of gen. func.: lgdogf

$$- \frac{2 x + 24}{2 x^2 + 9 x - 11}$$

Sequence: A269100
Score: 19.6879
Type of gen. func.: ogf

$$\frac{2 x + 11}{(x - 1)^2}$$

Sequence: A269103
Score: 10.5018
Type of gen. func.: lgdogf

$$- \frac{-75 x + 45}{7 x^3 - 78 x^2 + 39 x - 4}$$

Sequence: A269103
Score: 11.0546
Type of gen. func.: ogf

$$\frac{4 (x^2 - 11 x + 4)}{(7 x - 1)^2}$$

Sequence: A269103
Score: 5.72827
Type of gen. func.: ogf

$$\{-a(n + 3) + 14 a(n + 2) - 49 a(n + 1), a(0) = 16, a(1) = 180, a(2) = 1740\}$$

Sequence: A269103
Score: 6.17755
Type of gen. func.: ogf

$$(260 f(x) + 7747) (49 f(x) x^2 - 14 f(x) x - 4 x^2 + f(x) + 44 x - 16)$$

Sequence: A269104
Score: 2.69387
Type of gen. func.: ogf

$$-(75305244951851 f(x) + 10636319596412) (729 f(x) x^4 - 972 f(x) x^3 - 216 x^4 + 378 f(x) x^2 + 828 x^3 - 36 f(x) x - 948 x^2 + f(x) + 420 x - 60)$$

Sequence: A269104
Score: 5.09436
Type of gen. func.: ogf

$$\frac{12 (18 x^4 - 69 x^3 + 79 x^2 - 35 x + 5)}{(27 x^2 - 18 x + 1)^2}$$

Sequence: A269105
Score: 3.18467

Type of gen. func.: ogf

$$\frac{12 (7371 x^6 - 17639 x^5 + 16426 x^4 - 7828 x^3 + 2217 x^2 - 325 x + 18)}{(263 x^3 - 267 x^2 + 45 x - 1)^2}$$

Sequence: A269112
Score: 9.38566
Type of gen. func.: ogf

$$- \frac{3 x^4 - 4 x^3 + 8 x^2 - 4 x + 3}{(x^2 + 1) (x - 1)^3}$$

Sequence: A269132
Score: 8.63435
Type of gen. func.: ogf

$$\frac{x (x + 1) (x^4 - 2 x^3 + x^2 - x - 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A269137
Score: 3.68055
Type of gen. func.: ogf

$$(116333 f(x) + 168880) (f(x) x^4 - 12 f(x) x^3 - 4 x^4 + 38 f(x) x^2 + 4 x^3$$

$$- 12 f(x) x + 4 x^2 + f(x) + 44 x - 16)$$

Sequence: A269137
Score: 6.54320
Type of gen. func.: ogf

$$\frac{4 (x^4 - x^3 - x^2 - 11 x + 4)}{(x^2 - 6 x + 1)^2}$$

Sequence: A269146
Score: 3.8474
Type of gen. func.: ogf

$$(21351 f(x) + 28106) (f(x) x^4 - 12 f(x) x^3 - 4 x^4 + 38 f(x) x^2 - 12 f(x) x + 40 x^2 + f(x) - 32 x - 4)$$

Sequence: A269146
Score: 7.03793
Type of gen. func.: ogf

$$\frac{4 (x - 1) (x^3 + x^2 - 9 x - 1)}{(x^2 - 6 x + 1)^2}$$

Sequence: A269180
Score: 3.34139
Type of gen. func.: ogf

$$\{(-2 n^2 - 6 n) a(n) + (-5 n^2 - 10 n + 16) a(n + 1) + (n^2 + n - 2) a(n + 2),$$
$$a(0) = 4, a(1) = 48, a(2) = 384, a(3) = 2736\}$$

Sequence: A269180
Score: 3.97473
Type of gen. func.: ogf

$$(61 f(x) + 52) (4 f(x) x^4 + 20 f(x) x^3 - 16 x^4 + 21 f(x) x^2 + 16 x^3 - 10 f(x) x + 12 x^2 + f(x) - 8 x - 4)$$

Sequence: A269180
Score: 6.68278
Type of gen. func.: ogf

$$\frac{4 (2 x + 1)^2 (x - 1)^2}{(2 x^2 + 5 x - 1)^2}$$

Sequence: A269180
Score: 8.68761
Type of gen. func.: lgdogf

$$-\frac{24 x^2 + 12}{-4 x^4 - 8 x^3 + 9 x^2 + 4 x - 1}$$

Sequence: A269188
Score: 3.58618
Type of gen. func.: ogf

$$(98 + 267 f(x)) (4 f(x) x^4 + 20 f(x) x^3 - 16 x^4 + 21 f(x) x^2 + 16 x^3 - 10 f(x) x + 36 x^2 + f(x) + 52 x - 16)$$

Sequence: A269188
Score: 6.01553
Type of gen. func.: ogf

$$\frac{4 (4 x^4 - 4 x^3 - 9 x^2 - 13 x + 4)}{(2 x^2 + 5 x - 1)^2}$$

Sequence: A269196
Score: 2.83185
Type of gen. func.: ogf

$$(1446479 f(x) + 38597104) (36 f(x) x^4 - 180 f(x) x^3 - 864 x^4 + 237 f(x) x^2 + 2160 x^3 - 30 f(x) x - 1272 x^2 + f(x) + 516 x - 60)$$

Sequence: A269196
Score: 4.85856
Type of gen. func.: ogf

3 2

$$\frac{12\,(6\,x - 1)\,(12\,x - 28\,x + 13\,x - 5)}{(6\,x^{2} - 15\,x + 1)^{2}}$$

Sequence: A269197
Score: 3.95859
Type of gen. func.: ogf

$$\frac{12\,(897\,x^{6} - 4951\,x^{5} + 10756\,x^{4} - 8158\,x^{3} + 2265\,x^{2} - 315\,x + 18)}{(x - 1)^{2}\,(5\,x^{2} - 30\,x + 1)^{2}}$$

Sequence: A269202
Score: 3.72222
Type of gen. func.: ogf

$$(1695728\,f(x) - 16802797)\,(36\,f(x)\,x^{4} + 60\,f(x)\,x^{3} + 13\,f(x)\,x^{2} - 72\,x^{3}$$

$$- 10\,f(x)\,x + 308\,x^{2} + f(x) - 20\,x - 16)$$

Sequence: A269202
Score: 6.88177
Type of gen. func.: ogf

$$\frac{4\,(18\,x^{3} - 77\,x^{2} + 5\,x + 4)}{(x + 1)^{2}\,(6\,x - 1)^{2}}$$

Sequence: A269209
Score: 2.78498
Type of gen. func.: ogf

$$(2142793712 + 75154235\,f(x))\,(36\,f(x)\,x^{4} - 180\,f(x)\,x^{3} - 864\,x^{4} + 237\,f(x)\,x^{2}$$

$$+ 2016\,x^{3} - 30\,f(x)\,x - 696\,x^{2} + f(x) - 48\,x - 24)$$

Sequence: A269209
Score: 4.90157

Type of gen. func.: ogf

$$\frac{24\,(36\,x^4 - 84\,x^3 + 29\,x^2 + 2\,x + 1)}{(6\,x^2 - 15\,x + 1)^2}$$

Sequence: A269210
Score: 3.98881
Type of gen. func.: ogf

$$\frac{12\,(897\,x^6 - 4926\,x^5 + 10471\,x^4 - 7188\,x^3 + 1263\,x^2 - 14\,x + 9)}{(x - 1)^2\,(5\,x^2 - 30\,x + 1)^2}$$

Sequence: A269215
Score: 3.89939
Type of gen. func.: ogf

$$(3689\,f(x) - 35744)\,(36\,f(x)\,x^4 + 60\,f(x)\,x^3 + 13\,f(x)\,x^2 - 96\,x^3 - 10\,f(x)\,x + 192\,x^2 + f(x) - 96\,x)$$

Sequence: A269215
Score: 7.12481
Type of gen. func.: ogf

$$\frac{96\,x\,(x - 1)^2}{(x + 1)^2\,(6\,x - 1)^2}$$

Sequence: A269215
Score: 8.74409
Type of gen. func.: lgdogf

$$-\frac{12\,x^2 - 24\,x - 8}{6\,x^3 - x^2 - 6\,x + 1}$$

Sequence: A269222
Score: 14.0604
Type of gen. func.: ogf

$$-\frac{9 x^3 + 8 x^2 + 9 x + 1}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A269222
Score: 9.21199
Type of gen. func.: ogf

$$(98 f(x) + 3245) (f(x) x^4 + 9 x^3 + 8 x^2 - f(x) + 9 x + 1)$$

Sequence: A269226
Score: 10.4712
Type of gen. func.: ogf

$$-\frac{3 (x^4 + 2 x^3 + 2 x + 1)}{(x - 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A269232
Score: 11.5140
Type of gen. func.: ogf

$$-\frac{x^2 - 17 x - 2}{(x - 1)^4}$$

Sequence: A269232
Score: 11.8527
Type of gen. func.: lgdogf

$$-\frac{-2 x^2 + 49 x + 25}{-x^3 + 18 x^2 - 15 x - 2}$$

Sequence: A269232
Score: 3.95090
Type of gen. func.: ogf

$$\{(-2\ n - 8)\ a(n + 4) + (-20 - 15\ n)\ a(n + 3) + (85 + 18\ n)\ a(n + 2)$$

$$+ (-n - 3)\ a(n + 1),\ a(0) = 2,\ a(1) = 25,\ a(2) = 87,\ a(3) = 206\}$$

Sequence: A269232
Score: 5.63625
Type of gen. func.: ogf

$$(1000800\ f(x) + 12688399)$$

$$(f(x)\ x^4 - 4\ f(x)\ x^3 + 6\ f(x)\ x^2 - 4\ f(x)\ x + x^2 + f(x) - 17\ x - 2)$$

Sequence: A269237
Score: 10.9343
Type of gen. func.: lgdogf

$$- \frac{2\ x^3 + 90\ x^2 + 174\ x + 34}{x^4 + 28\ x^3 - 28\ x - 1}$$

Sequence: A269237
Score: 4.51258
Type of gen. func.: ogf

$$\{(-13\ n^2 - 88\ n - 147)\ a(n + 1) + (26\ n^2 + 156\ n + 310)\ a(n + 2)$$

$$+ (-13\ n^2 - 68\ n - 87)\ a(n + 3),\ a(0) = 1,\ a(1) = 34,\ a(2) = 189\}$$

Sequence: A269237
Score: 9.58290
Type of gen. func.: ogf

$$- \frac{(x + 1)\ (x^2 + 28\ x + 1)}{(x - 1)^5}$$

Sequence: A269255
Score: 10.6756
Type of gen. func.: ogf

$$-\frac{42 x^2 - 8 x - 1}{(x - 1) (3 x - 1) (12 x - 1) (4 x - 1)}$$

Sequence: A269255
Score: 5.48014
Type of gen. func.: ogf

$$(4411737 f(x) + 80767894) (144 f(x) x^4 - 240 f(x) x^3 + 115 f(x) x^2 - 20 f(x) x + 42 x^2 + f(x) - 8 x - 1)$$

Sequence: A269266
Score: 12.0514
Type of gen. func.: ogf

$$-\frac{16 x^4 + 8 x^3 + 4 x^2 + 2 x + 1}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A269266
Score: 9.46899
Type of gen. func.: ogf

$$f(x) (f(x) x^5 + 16 x^4 + 8 x^3 + 4 x^2 - f(x) + 2 x + 1)$$

Sequence: A269270
Score: 11.1558
Type of gen. func.: ogf

$$\frac{4 (9 x + 1)}{(9 x - 1)^2}$$

Sequence: A269270
Score: 11.3931
Type of gen. func.: lgdogf

$$-\frac{81 x + 27}{81 x^{2} - 1}$$

Sequence: A269270
Score: 6.0166
Type of gen. func.: ogf

$$(4 f(x) + 65) (81 f(x) x^{2} - 18 f(x) x + f(x) - 36 x - 4)$$

Sequence: A269270
Score: 6.22648
Type of gen. func.: ogf

$$\{-a(n + 2) + 18 a(n + 1) - 81 a(n), a(0) = 4, a(1) = 108\}$$

Sequence: A269271
Score: 10.2191
Type of gen. func.: lgdogf

$$-\frac{315 x + 57}{315 x^{2} + 6 x - 1}$$

Sequence: A269271
Score: 10.6198
Type of gen. func.: ogf

$$\frac{24 (15 x + 1)}{(21 x - 1)^{2}}$$

Sequence: A269271
Score: 5.82376
Type of gen. func.: ogf

$$(7 f(x) + 193) (441 f(x) x^2 - 42 f(x) x + f(x) - 360 x - 24)$$

Sequence: A269271
Score: 6.08551
Type of gen. func.: ogf

$$\{-a(n + 2) + 42 a(n + 1) - 441 a(n), a(0) = 24, a(1) = 1368\}$$

Sequence: A269272
Score: 4.19521
Type of gen. func.: ogf

$$\{-a(n + 3) + 98 a(n + 2) - 2401 a(n + 1), a(0) = 108, a(1) = 13896, a(2) = 1104264\}$$

Sequence: A269272
Score: 4.45978
Type of gen. func.: ogf

$$(490 f(x) + 58827) (2401 f(x) x^2 - 98 f(x) x - 1764 x^2 + f(x) - 3312 x - 108)$$

Sequence: A269272
Score: 7.27993
Type of gen. func.: lgdogf

$$- \frac{4606 x + 386}{2401 x^3 + 4459 x^2 + 55 x - 3}$$

Sequence: A269272
Score: 7.61592
Type of gen. func.: ogf

$$\frac{36 (49 x^2 + 92 x + 3)}{(49 x - 1)^2}$$

Sequence: A269273
Score: 3.89093
Type of gen. func.: ogf

$$\frac{72\,(1302\,x^3 - 1677\,x^2 + 367\,x + 6)}{(294\,x^2 - 117\,x + 1)^2}$$

Sequence: A269277
Score: 10.4037
Type of gen. func.: lgdogf

$$-\frac{-26\,x + 38}{7\,x^3 - 29\,x^2 + 25\,x - 3}$$

Sequence: A269277
Score: 5.03404
Type of gen. func.: ogf

{-a(n + 4) + 14 a(n + 3) - 49 a(n + 2), a(0) = 0, a(1) = 108, a(2) = 1368,

a(3) = 13896}

Sequence: A269277
Score: 5.62361
Type of gen. func.: ogf

$$(6295\,f(x) + 21021)\,(49\,f(x)\,x^2 - 36\,x^3 - 14\,f(x)\,x + 144\,x^2 + f(x) - 108\,x)$$

Sequence: A269277
Score: 9.75345
Type of gen. func.: ogf

$$\frac{36\,x\,(x - 1)\,(x - 3)}{(7\,x - 1)^2}$$

Sequence: A269278
Score: 4.07274
Type of gen. func.: ogf

$$-\frac{36 x (756 x^5 - 2061 x^4 + 1698 x^3 - 812 x^2 + 318 x - 45)}{(27 x^2 - 18 x + 1)^2}$$

Sequence: A269284
Score: 10.6729
Type of gen. func.: ogf

$$-\frac{12 (33 x - 5)}{(21 x - 1)^2}$$

Sequence: A269284
Score: 5.72966
Type of gen. func.: ogf

$$(28 f(x) + 1801) (441 f(x) x^2 - 42 f(x) x + f(x) + 396 x - 60)$$

Sequence: A269284
Score: 6.11593
Type of gen. func.: ogf

$$\{-a(n + 2) + 42 a(n + 1) - 441 a(n), a(0) = 60, a(1) = 2124\}$$

Sequence: A269284
Score: 9.71996
Type of gen. func.: lgdogf

$$-\frac{-693 x + 177}{-693 x^2 + 138 x - 5}$$

Sequence: A269285
Score: 4.19521
Type of gen. func.: ogf

$\{-a(n+3) + 98\,a(n+2) - 2401\,a(n+1),\ a(0) = 216,\ a(1) = 19188,$

$a(2) = 1363572\}$

Sequence: A269285
Score: 4.38084
Type of gen. func.: ogf

$$(1960 f(x) + 428907) (2401 f(x) x^2 - 98 f(x) x - 1764 x^2 + f(x) + 1980 x - 216)$$

Sequence: A269285
Score: 7.17442
Type of gen. func.: lgdogf

$$-\frac{-2597 x + 533}{2401 x^3 - 2744 x^2 + 349 x - 6}$$

Sequence: A269285
Score: 7.61592
Type of gen. func.: ogf

$$\frac{36 (49 x - 6) (x - 1)}{(49 x - 1)^2}$$

Sequence: A269286
Score: 3.89093
Type of gen. func.: ogf

$$-\frac{252 (636 x^3 - 300 x^2 + 49 x - 3)}{(294 x^2 - 117 x + 1)^2}$$

Sequence: A269290
Score: 5.02425
Type of gen. func.: ogf

$\{a(n+4) - 14\,a(n+3) + 49\,a(n+2),\ a(0) = 16,\ a(1) = 216,\ a(2) = 2124,$

$a(3) = 19188\}$

Sequence: A269290
Score: 5.23185
Type of gen. func.: ogf

$$-(352460 f(x) + 968407)$$

$$(49 f(x) x^2 - 36 x^3 - 14 f(x) x + 116 x^2 + f(x) + 8 x - 16)$$

Sequence: A269290
Score: 7.11298
Type of gen. func.: lgdogf

$$- \frac{63 x^3 - 27 x^2 + 72 x - 54}{-63 x^4 + 212 x^3 - 15 x^2 - 30 x + 4}$$

Sequence: A269290
Score: 9.44858
Type of gen. func.: ogf

$$\frac{4 (9 x^3 - 29 x^2 - 2 x + 4)}{(7 x - 1)^2}$$

Sequence: A269291
Score: 4.04125
Type of gen. func.: ogf

$$- \frac{4 (6804 x^6 - 17091 x^5 + 13581 x^4 - 5553 x^3 + 1593 x^2 - 72 x - 16)}{(27 x^2 - 18 x + 1)^2}$$

Sequence: A269328
Score: 7.22272
Type of gen. func.: ogf

$$2 x^{13} + x^8 - 5 x^7 + 2 x^6 + 5 x^5 - 6 x^4 - 3 x^3 - 2 x - 5$$

$$- \frac{}{(x - 1)^2 \, (x^4 + x^3 + x^2 + x + 1)^2}$$

Sequence: A269342
Score: 11.4094
Type of gen. func.: ogf

$$- \frac{x^2 - 14 x - 3}{(x - 1)^4}$$

Sequence: A269342
Score: 11.7449
Type of gen. func.: lgdogf

$$- \frac{-2 x^2 + 40 x + 26}{-x^3 + 15 x^2 - 11 x - 3}$$

Sequence: A269342
Score: 3.91498
Type of gen. func.: ogf

$$\{(-3 n - 12) a(n + 4) + (-7 - 11 n) a(n + 3) + (70 + 15 n) a(n + 2)$$

$$+ (-n - 3) a(n + 1), a(0) = 3, a(1) = 26, a(2) = 85, a(3) = 196\}$$

Sequence: A269342
Score: 5.82961
Type of gen. func.: ogf

$$(5408 f(x) + 62581)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + x^2 + f(x) - 14 x - 3)$$

Sequence: A269352
Score: 12.8450
Type of gen. func.: ogf

$$-\frac{x + 9 x + 1}{(x - 1) (x^2 + 1) (x^8 - x^6 + x^4 - x^2 + 1)}$$

Sequence: A269403
Score: 9.63561
Type of gen. func.: ogf

$$-\frac{x (x^3 + 2 x^2 - x + 2)}{(x + 1) (x^2 + 1) (x - 1)^3}$$

Sequence: A269410
Score: 10.8604
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 22 x - 21}{x^3 - 7 x^2 + 3 x + 3}$$

Sequence: A269410
Score: 3.51365
Type of gen. func.: ogf

$\{(-3 n - 12) a(n + 4) + (12 - 3 n) a(n + 3) + (36 + 7 n) a(n + 2)$

$+ (-4 - n) a(n + 1), a(0) = 9, a(1) = 63, a(2) = 222, a(3) = 570\}$

Sequence: A269410
Score: 8.95981
Type of gen. func.: ogf

$$\frac{3 (x^2 - 6 x - 3)}{(x - 1)^5}$$

Sequence: A269411
Score: 7.07473
Type of gen. func.: ogf

$$-\frac{3\,(3\,x^3-10\,x^2-29\,x-4)}{(x-1)^6}$$

Sequence: A269411
Score: 8.05055
Type of gen. func.: lgdogf

$$-\frac{-9\,x^3+31\,x^2+165\,x+53}{-3\,x^4+13\,x^3+19\,x^2-25\,x-4}$$

Sequence: A269412
Score: 5.70168
Type of gen. func.: ogf

$$\frac{2\,(9\,x^4+5\,x^3-225\,x^2-141\,x-8)}{(x-1)^7}$$

Sequence: A269413
Score: 4.46035
Type of gen. func.: ogf

$$-\frac{27\,x^5+296\,x^4-1510\,x^3-3036\,x^2-797\,x-20}{(x-1)^8}$$

Sequence: A269416
Score: 11.8488
Type of gen. func.: lgdogf

$$-\frac{2\,x^2-7\,x+3}{x^3-2\,x^2-x+2}$$

Sequence: A269416
Score: 14.3080
Type of gen. func.: ogf

$$\frac{3\,(x-2)}{(x-1)\,(x+1)^2}$$

Sequence: A269416
Score: 6.71084
Type of gen. func.: ogf

$$\{a(n+3)+a(n+2)-a(n+1)-a(n),\ a(0)=6,\ a(1)=-9,\ a(2)=15\}$$

Sequence: A269416
Score: 7.02153
Type of gen. func.: ogf

$$-(f(x)+64)\,(f(x)\,x^3+f(x)\,x^2-f(x)\,x-f(x)-3\,x+6)$$

Sequence: A269428
Score: 10.0215
Type of gen. func.: ogf

$$-\frac{x\,(4\,x-1)}{(x-1)\,(x+1)^4}$$

Sequence: A269428
Score: 11.0844
Type of gen. func.: lgdogf

$$-\frac{16\,x^2-17\,x+7}{4\,x^3-x^2-4\,x+1}$$

Sequence: A269429
Score: 10.1742
Type of gen. func.: ogf

$$-\frac{x (5 x - 1)}{(x - 1) (x + 1)^4}$$

Sequence: A269429
Score: 11.2532
Type of gen. func.: lgdogf

$$-\frac{20 x^2 - 20 x + 8}{5 x^3 - x^2 - 5 x + 1}$$

Sequence: A269429
Score: 3.75108
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-2 - 5 n) a(n + 3) + (-21 - n) a(n + 2) + (20 + 5 n) a(n + 1), a(0) = 0, a(1) = -1, a(2) = 8, a(3) = -22\}$$

Sequence: A269431
Score: 3.15165
Type of gen. func.: ogf

$$- (x^9 + 20 x^8 + 155 x^7 + 560 x^6 + 810 x^5 + 120 x^4 - 810 x^3 + 400 x^2 - 75 x + 5) \Big/ (x^2 + 4 x - 1)^5$$

Sequence: A269436
Score: 7.06158
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 6 x^3 - 15 x^2 - 32 x - 78}{-x^5 + 6 x^4 - 15 x^3 + 7 x^2 - 12 x + 15}$$

Sequence: A269436
Score: 7.42558
Type of gen. func.: ogf

$$-\frac{x^4 - 5x^3 + 10x^2 + 3x + 15}{(x-1)^5}$$

Sequence: A269437
Score: 6.03791
Type of gen. func.: ogf

$$-\frac{x^5 - 6x^4 + 19x^3 - 52x^2 - 54x - 28}{(x-1)^6}$$

Sequence: A269438
Score: 5.06816
Type of gen. func.: ogf

$$-\frac{x^6 - 7x^5 + 5x^4 + 14x^3 + 391x^2 + 265x + 51}{(x-1)^7}$$

Sequence: A269439
Score: 4.08015
Type of gen. func.: ogf

$$-\frac{x^7 - 8x^6 + 76x^5 - 8x^4 - 1355x^3 - 2668x^2 - 986x - 92}{(x-1)^8}$$

Sequence: A269440
Score: 10.2759
Type of gen. func.: ogf

$$-\frac{x(6x-1)}{(x-1)(x+1)^4}$$

Sequence: A269440
Score: 11.3658
Type of gen. func.: lgdogf

$$-\frac{24x^2 - 23x + 9}{6x^3 - x^2 - 6x + 1}$$

Sequence: A269440
Score: 3.78859
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-3 - 6 n) a(n + 3) + (-24 - n) a(n + 2)$$
$$+ (24 + 6 n) a(n + 1), a(0) = 0, a(1) = -1, a(2) = 9, a(3) = -25\}$$

Sequence: A269441
Score: 10.4285
Type of gen. func.: ogf

$$-\frac{x (7 x - 1)}{(x - 1) (x + 1)^4}$$

Sequence: A269441
Score: 11.3624
Type of gen. func.: lgdogf

$$-\frac{28x^2 - 26x + 10}{7x^3 - x^2 - 7x + 1}$$

Sequence: A269441
Score: 3.82554
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-4 - 7 n) a(n + 3) + (-27 - n) a(n + 2)$$
$$+ (28 + 7 n) a(n + 1), a(0) = 0, a(1) = -1, a(2) = 10, a(3) = -28\}$$

Sequence: A269445

Score: 14.6056
Type of gen. func.: ogf

$$-x^{13} / ((x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3)$$

Sequence: A269447
Score: 7.00240
Type of gen. func.: ogf

$$\frac{29 x^4 + 10 x^3 - 528 x^2 - 10 x - 7}{(x - 1) (x^4 - 48 x^2 + 1)}$$

Sequence: A269448
Score: 5.65002
Type of gen. func.: ogf

$$\frac{11 x^6 + 3 x^5 + 36 x^4 - 846 x^3 - 153 x^2 - 276 x - 25}{(x - 1) (x^6 - 102 x^3 + 1)}$$

Sequence: A269449
Score: 4.52308
Type of gen. func.: ogf

$$(4 x^{12} + 11 x^{11} + 2 x^{10} + 11 x^9 + 11 x^8 + 20 x^7 - 151 x^6 - 385 x^5 - 46 x^4 - 121 x^3 - 33 x^2 - 20 x - 7) / ((x - 1) (x^{12} - 46 x^6 + 1))$$

Sequence: A269450
Score: 4.52336
Type of gen. func.: ogf

$$\{(n + 2) a(n + 1) - a(n + 2) + (n + 3) a(n + 3) - a(n + 4), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 1\}$$

Sequence: A269451
Score: 4.73850
Type of gen. func.: ogf

$$(x^{12} + 7 x^{11} + 4 x^{10} + 5 x^{9} + 4 x^{8} + 7 x^{7} - 2 x^{6} - 37 x^{5} - 20 x^{4} - 23 x^{3} - 16 x^{2} - 21 x - 7) \Big/ ((x - 1) (x^{6} + 2 x^{3} - 1) (x^{6} - 2 x^{3} - 1))$$

Sequence: A269457
Score: 14.9601
Type of gen. func.: ogf

$$\frac{5 (x - 2)}{(x - 1)^{3}}$$

Sequence: A269457
Score: 16.8301
Type of gen. func.: lgdogf

$$- \frac{-2 x + 5}{-x^{2} + 3 x - 2}$$

Sequence: A269457
Score: 7.02472
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 10, a(1) = 25, a(2) = 45\}$$

Sequence: A269457
Score: 7.54994
Type of gen. func.: ogf

$$(19 f(x) - 300) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x - f(x) - 5 x + 10)$$

Sequence: A269461

Score: 11.7956
Type of gen. func.: ogf

$$-\frac{3\,(3\,x^2 - 1)}{(2\,x - 1)\,(4\,x^2 + x - 1)}$$

Sequence: A269461
Score: 5.95001
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) - 2\,a(n + 1) + 8\,a(n),\ a(0) = 3,\ a(1) = 9,\ a(2) = 24\}$$

Sequence: A269461
Score: 6.00313
Type of gen. func.: ogf

$$-(2\,f(x) + 63)\,(8\,f(x)\,x^3 - 2\,f(x)\,x^2 - 3\,f(x)\,x + 9\,x^2 + f(x) - 3)$$

Sequence: A269461
Score: 7.30816
Type of gen. func.: lgdogf

$$-\frac{-24\,x^4 + 15\,x^2 + 2\,x - 3}{-24\,x^5 + 6\,x^4 + 17\,x^3 - 5\,x^2 - 3\,x + 1}$$

Sequence: A269462
Score: 12.1922
Type of gen. func.: ogf

$$-\frac{4\,(5\,x^2 + x - 1)}{(3\,x - 1)\,(6\,x^2 + 2\,x - 1)}$$

Sequence: A269462
Score: 6.91308
Type of gen. func.: ogf

{a(n + 3) - 5 a(n + 2) + 18 a(n), a(0) = 4, a(1) = 16, a(2) = 60}

Sequence: A269462
Score: 7.05862
Type of gen. func.: lgdogf

$$-\frac{-90 x^4 - 36 x^3 + 29 x^2 + 10 x - 4}{-90 x^5 - 18 x^4 + 43 x^3 - 6 x + 1}$$

Sequence: A269462
Score: 9.18588
Type of gen. func.: ogf

$$-18 f(x) x^3 + 5 f(x) x - 20 x^2 - f(x) - 4 x + 4$$

Sequence: A269463
Score: 10.0459
Type of gen. func.: ogf

$$-\frac{5 (7 x^2 + 2 x - 1)}{(4 x - 1) (8 x^2 + 3 x - 1)}$$

Sequence: A269463
Score: 5.54255
Type of gen. func.: ogf

{a(n + 3) - 7 a(n + 2) + 4 a(n + 1) + 32 a(n), a(0) = 5, a(1) = 25, a(2) = 120}

Sequence: A269463
Score: 5.54256
Type of gen. func.: ogf

$$(4 f(x) - 365) (32 f(x) x^3 + 4 f(x) x^2 - 7 f(x) x + 35 x^2 + f(x) + 10 x - 5)$$

Sequence: A269464
Score: 4.94168
Type of gen. func.: ogf

$$(5 f(x) - 333) (50 f(x) x^3 + 10 f(x) x^2 - 9 f(x) x + 54 x^2 + f(x) + 18 x - 6)$$

Sequence: A269464
Score: 4.94168
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 10 a(n + 1) + 50 a(n), a(0) = 6, a(1) = 36, a(2) = 210\}$$

Sequence: A269464
Score: 8.89502
Type of gen. func.: ogf

$$- \frac{6 (9 x^2 + 3 x - 1)}{(5 x - 1) (10 x^2 + 4 x - 1)}$$

Sequence: A269465
Score: 5.21757
Type of gen. func.: ogf

$$(18 f(x) - 1099) (72 f(x) x^3 + 18 f(x) x^2 - 11 f(x) x + 77 x^2 + f(x) + 28 x - 7)$$

Sequence: A269465
Score: 5.30600
Type of gen. func.: ogf

$$\{a(n + 3) - 11 a(n + 2) + 18 a(n + 1) + 72 a(n), a(0) = 7, a(1) = 49, a(2) = 336\}$$

Sequence: A269465
Score: 9.48648
Type of gen. func.: ogf

$$-\frac{7\,(11\,x^2+4\,x-1)}{(6\,x-1)\,(12\,x^2+5\,x-1)}$$

Sequence: A269466
Score: 4.99812
Type of gen. func.: ogf

$$(7\,f(x)-422)\,(98\,f(x)\,x^3+28\,f(x)\,x^2-13\,f(x)\,x+104\,x^2+f(x)+40\,x-8)$$

Sequence: A269466
Score: 5.04048
Type of gen. func.: ogf

$$\{a(n+3)-13\,a(n+2)+28\,a(n+1)+98\,a(n),\ a(0)=8,\ a(1)=64,\ a(2)=504\}$$

Sequence: A269466
Score: 8.87727
Type of gen. func.: ogf

$$-\frac{8\,(13\,x^2+5\,x-1)}{(7\,x-1)\,(14\,x^2+6\,x-1)}$$

Sequence: A269468
Score: 10.9133
Type of gen. func.: lgdogf

$$-\frac{-3\,x^2+30\,x+33}{-x^3+9\,x^2-3\,x-5}$$

Sequence: A269468
Score: 3.51357
Type of gen. func.: ogf

$$\{(-5 n - 20) a(n + 4) + (24 - 3 n) a(n + 3) + (48 + 9 n) a(n + 2) + (-4 - n) a(n + 1), a(0) = 10, a(1) = 66, a(2) = 228, a(3) = 580\}$$

Sequence: A269468
Score: 8.89236
Type of gen. func.: ogf

$$\frac{2 (x^2 - 8 x - 5)}{(x - 1)^5}$$

Sequence: A269469
Score: 3.43332
Type of gen. func.: ogf

$$\{(-209 n^2 - 2029 n - 4772) a(n + 1) + (598 n^2 + 5140 n + 11194) a(n + 2) + (-389 n^2 - 2211 n - 3132) a(n + 3), a(0) = 14, a(1) = 174, a(2) = 852\}$$

Sequence: A269469
Score: 7.07473
Type of gen. func.: ogf

$$- \frac{2 (x^3 - 9 x^2 - 45 x - 7)}{(x - 1)^6}$$

Sequence: A269469
Score: 8.05055
Type of gen. func.: lgdogf

$$- \frac{-3 x^3 + 33 x^2 + 243 x + 87}{-x^4 + 10 x^3 + 36 x^2 - 38 x - 7}$$

Sequence: A269470
Score: 5.70168

Type of gen. func.: ogf

$$-\frac{2\,(5x^4-14x^3+204x^2+154x+11)}{(x-1)^7}$$

Sequence: A269471
Score: 4.48242
Type of gen. func.: ogf

$$\frac{6\,(9x^5-23x^4+190x^3+498x^2+161x+5)}{(x-1)^8}$$

Sequence: A269488
Score: 7.46333
Type of gen. func.: ogf

$$-\frac{2x^4+8x^3-9x+3}{(2x-1)\,(2x^2+2x-1)\,(x^2+2x-1)}$$

Sequence: A269489
Score: 6.33497
Type of gen. func.: ogf

$$-\frac{2\,(x^4+11x^3+8x^2-10x+2)}{(3x-1)\,(x^4+9x^3+6x^2-6x+1)}$$

Sequence: A269490
Score: 5.47481
Type of gen. func.: ogf

$$-\frac{x^5-17x^4-72x^3-40x^2+35x-5}{x^6-20x^5-75x^4-24x^3+43x^2-12x+1}$$

Sequence: A269491
Score: 4.02874
Type of gen. func.: ogf

$$-\frac{2\,(7x^6 - 22x^5 - 286x^4 - 182x^3 + 183x^2 - 42x + 3)}{(5x - 1)\,(3x^6 - 10x^5 - 123x^4 - 75x^3 + 70x^2 - 15x + 1)}$$

Sequence: A269495
Score: 7.27557
Type of gen. func.: lgdogf

$$-\frac{x^4 - 2x^3 + 6x^2 + 38x + 77}{x^5 - 4x^4 + 8x^3 + 2x^2 + 7x - 14}$$

Sequence: A269495
Score: 7.50293
Type of gen. func.: ogf

$$-\frac{x^4 - 3x^3 + 5x^2 + 7x + 14}{(x - 1)^5}$$

Sequence: A269496
Score: 5.98631
Type of gen. func.: ogf

$$-\frac{x^5 - 10x^4 + 18x^3 - 34x^2 - 71x - 24}{(x - 1)^6}$$

Sequence: A269497
Score: 5.03089
Type of gen. func.: ogf

$$\frac{x^6 - 7x^5 - 34x^4 + 54x^3 - 383x^2 - 311x - 40}{{}^{7}}$$

$$(x - 1)$$

Sequence: A269498
Score: 3.97815
Type of gen. func.: ogf

$$\frac{x^7 - 18 x^6 + 207 x^5 - 122 x^4 + 903 x^3 + 2922 x^2 + 1081 x + 66}{(x - 1)^8}$$

Sequence: A269500
Score: 10.4391
Type of gen. func.: ogf

$$-f(x) x^2 + 123 f(x) x - f(x) + 55 x$$

Sequence: A269500
Score: 12.4466
Type of gen. func.: lgdogf

$$-\frac{2 x - 123}{x^2 - 123 x + 1}$$

Sequence: A269500
Score: 16.1806
Type of gen. func.: ogf

$$\frac{55 x}{x^2 - 123 x + 1}$$

Sequence: A269500
Score: 7.70505
Type of gen. func.: ogf

$$\{a(n + 2) - 123 a(n + 1) + a(n), a(0) = 0, a(1) = 55\}$$

Sequence: A269509
Score: 4.47281
Type of gen. func.: ogf

$\{(-2 - n) a(n + 1) + a(n + 2) + (-n - 3) a(n + 3) + a(n + 4), a(0) = 1, a(1) = 1, a(2) = 0, a(3) = 0\}$

Sequence: A269511
Score: 6.95906
Type of gen. func.: ogf

$$\frac{5 x^5 + x^4 + 14 x^3 + 6 x^2 + 5 x + 1}{(x^2 + 1) (x + 1)^3 (x - 1)^4}$$

Sequence: A269512
Score: 5.77335
Type of gen. func.: ogf

$$- \frac{x^6 + x^5 - 6 x^4 - 2 x^3 - 15 x^2 - 7 x - 4}{(x^2 + 1) (x - 1)^2 (x + 1)^3}$$

Sequence: A269531
Score: 7.44428
Type of gen. func.: ogf

$$- \frac{4 x^4 + 7 x^3 - 9 x^2 - 3 x + 3}{(2 x - 1) (2 x^2 - 1) (x^2 + 2 x - 1)}$$

Sequence: A269532
Score: 6.54678
Type of gen. func.: ogf

$$- \frac{2 (17 x^4 + 19 x^3 - 8 x^2 - 6 x + 2)}{(3 x - 1) (11 x^4 + 14 x^3 - 3 x^2 - 4 x + 1)}$$

Sequence: A269533
Score: 5.02907
Type of gen. func.: ogf

$$- \frac{213 x^5 + 319 x^4 - 113 x^3 - 95 x^2 + 45 x - 5}{(13 x^4 + 24 x^3 + x^2 - 6 x + 1) (4 x - 1)^2}$$

Sequence: A269534
Score: 3.84016
Type of gen. func.: ogf

$$- \frac{2 (354 x^6 + 821 x^5 + 387 x^4 - 188 x^3 - 75 x^2 + 33 x - 3)}{(5 x - 1) (139 x^6 + 332 x^5 + 173 x^4 - 64 x^3 - 32 x^2 + 12 x - 1)}$$

Sequence: A269538
Score: 3.75146
Type of gen. func.: ogf

$$\{(20 n^2 + 189 n + 387) a(n + 1) + (6 n^2 + 210 n + 940) a(n + 2)$$

$$+ (-26 n^2 - 215 n - 411) a(n + 3), a(0) = 10, a(1) = 64, a(2) = 222\}$$

Sequence: A269538
Score: 8.09304
Type of gen. func.: ogf

$$\frac{2 (x + 1) (x^2 - 2 x - 5)}{(x - 1)^5}$$

Sequence: A269538
Score: 9.73353
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 30 x - 32}{}$$

$$x^4 - 2 x^3 - 6 x^2 + 2 x + 5$$

Sequence: A269539
Score: 6.54578
Type of gen. func.: ogf

$$-\frac{2 (4 x^4 - 2 x^3 - 15 x^2 - 40 x - 7)}{(x - 1)^6}$$

Sequence: A269540
Score: 4.99417
Type of gen. func.: ogf

$$\frac{2 (x^6 + 6 x^5 + 21 x^4 - 38 x^3 - 207 x^2 - 132 x - 11)}{(x - 1)^7}$$

Sequence: A269541
Score: 3.95856
Type of gen. func.: ogf

$$-\frac{2 (2 x^7 + 22 x^6 + 88 x^5 + 93 x^4 - 982 x^3 - 1324 x^2 - 404 x - 15)}{(x - 1)^8}$$

Sequence: A269548
Score: 10.1239
Type of gen. func.: ogf

$$-\frac{7 x^2 - 134 x - 1}{(x - 1) (x^2 - 98 x + 1)}$$

Sequence: A269548
Score: 4.87449
Type of gen. func.: ogf

$$(102268703540 f(x) - 4373466799)$$

$$(f(x) x^3 - 99 f(x) x^2 + 99 f(x) x + 7 x^2 - f(x) - 134 x - 1)$$

Sequence: A269548
Score: 5.48380
Type of gen. func.: ogf

$$\{-a(n + 3) + 99 a(n + 2) - 99 a(n + 1) + a(n), a(0) = -1, a(1) = -233,$$

$$a(2) = -22961\}$$

Sequence: A269548
Score: 5.62441
Type of gen. func.: lgdogf

$$-\frac{7 x^4 - 268 x^3 + 12570 x^2 + 212 x - 233}{7 x^5 - 827 x^4 + 13958 x^3 - 13174 x^2 + 35 x + 1}$$

Sequence: A269549
Score: 10.1239
Type of gen. func.: ogf

$$-\frac{x^2 - 298 x + 1}{(x - 1) (x^2 - 98 x + 1)}$$

Sequence: A269549
Score: 4.83865
Type of gen. func.: ogf

$$-(5206022279 f(x) + 270525426)$$

$$(f(x) x^3 - 99 f(x) x^2 + 99 f(x) x + x^2 - f(x) - 298 x + 1)$$

Sequence: A269549
Score: 5.48380
Type of gen. func.: ogf

{-a(n + 3) + 99 a(n + 2) - 99 a(n + 1) + a(n), a(0) = 1, a(1) = -199,

a(2) = -19799}

Sequence: A269549
Score: 5.57675
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 596 x^3 - 29406 x^2 + 196 x + 199}{-x^5 + 397 x^4 - 29602 x^3 + 29602 x^2 - 397 x + 1}$$

Sequence: A269550
Score: 10.1239
Type of gen. func.: ogf

$$-\frac{5 x^2 - 228 x + 7}{(x - 1) (x^2 - 98 x + 1)}$$

Sequence: A269550
Score: 4.7004
Type of gen. func.: ogf

(290731674329160 f(x) - 878167294501)

$(f(x) x^3 - 99 f(x) x^2 + 99 f(x) x + 5 x^2 - f(x) - 228 x + 7)$

Sequence: A269550
Score: 5.48380
Type of gen. func.: ogf

{-a(n + 3) + 99 a(n + 2) - 99 a(n + 1) + a(n), a(0) = 7, a(1) = 465,

a(2) = 45347}

Sequence: A269550
Score: 5.52988
Type of gen. func.: lgdogf

$$-\frac{-5x^4+456x^3-22098x^2+1376x-465}{-5x^5+723x^4-23074x^3+23270x^2-921x+7}$$

Sequence: A269551
Score: 11.7302
Type of gen. func.: ogf

$$\frac{3x^2+258x-5}{(x-1)(x^2-98x+1)}$$

Sequence: A269551
Score: 5.44616
Type of gen. func.: ogf

$$-(136358292220 f(x) + 11455127317)$$

$$(f(x) x^3 - 99 f(x) x^2 + 99 f(x) x - 3 x^2 - f(x) - 258 x + 5)$$

Sequence: A269551
Score: 6.35385
Type of gen. func.: ogf

$\{a(n + 3) - 99 a(n + 2) + 99 a(n + 1) - a(n), a(0) = 5, a(1) = 237,$

$a(2) = 22965\}$

Sequence: A269551
Score: 6.51677
Type of gen. func.: lgdogf

$$-\frac{3x^4+516x^3-25854x^2+996x-237}{3x^5-39x^4-25250x^3+26034x^2-753x+5}$$

Sequence: A269552
Score: 11.9135
Type of gen. func.: ogf

$$-\frac{3x^2 - 94x + 3}{(x-1)(x^2 - 98x + 1)}$$

Sequence: A269552
Score: 6.05128
Type of gen. func.: ogf

$$(65733973 f(x) - 704814)$$

$$(f(x) x^3 - 99 f(x) x^2 + 99 f(x) x + 3 x^2 - f(x) - 94 x + 3)$$

Sequence: A269552
Score: 6.35385
Type of gen. func.: ogf

$$\{-a(n + 3) + 99 a(n + 2) - 99 a(n + 1) + a(n), a(0) = 3, a(1) = 203,$$

$$a(2) = 19803\}$$

Sequence: A269552
Score: 6.63010
Type of gen. func.: lgdogf

$$-\frac{-3x^4 + 188x^3 - 9018x^2 + 588x - 203}{-3x^5 + 391x^4 - 9606x^3 + 9606x^2 - 391x + 3}$$

Sequence: A269553
Score: 10.1239
Type of gen. func.: ogf

$$-\frac{5x^2 - 138x - 3}{(x-1)(x^2 - 98x + 1)}$$

Sequence: A269553
Score: 4.76852
Type of gen. func.: ogf

$$(6406985446710 f(x) - 139238883961)$$

$$(f(x) x^3 - 99 f(x) x^2 + 99 f(x) x + 5 x^2 - f(x) - 138 x - 3)$$

Sequence: A269553
Score: 5.48380
Type of gen. func.: ogf

$$\{a(n + 3) - 99 a(n + 2) + 99 a(n + 1) - a(n), a(0) = -3, a(1) = -435,$$

$$a(2) = -42763\}$$

Sequence: A269553
Score: 5.57675
Type of gen. func.: lgdogf

$$-\frac{5 x^4 - 276 x^3 + 13158 x^2 + 604 x - 435}{5 x^5 - 633 x^4 + 14154 x^3 - 13370 x^2 - 159 x + 3}$$

Sequence: A269554
Score: 10.1239
Type of gen. func.: ogf

$$\frac{3 x^2 + 244 x + 1}{(x - 1) (x^2 - 98 x + 1)}$$

Sequence: A269554
Score: 4.50723
Type of gen. func.: ogf

$$-(213746982895240 f(x) + 17337231875451)$$

$$(f(x) x^3 - 99 f(x) x^2 + 99 f(x) x - 3 x^2 - f(x) - 244 x - 1)$$

Sequence: A269554
Score: 5.48380
Type of gen. func.: ogf

$$\{-a(n+3) + 99\, a(n+2) - 99\, a(n+1) + a(n),\ a(0) = -1,\ a(1) = -343,\ a(2) = -33861\}$$

Sequence: A269554
Score: 5.62441
Type of gen. func.: lgdogf

$$-\frac{-3 x^4 - 488 x^3 + 24450 x^2 + 192 x - 343}{-3 x^5 + 53 x^4 + 23858 x^3 - 24054 x^2 + 145 x + 1}$$

Sequence: A269555
Score: 11.7302
Type of gen. func.: ogf

$$\frac{x^2 + 254 x - 7}{(x - 1)(x^2 - 98 x + 1)}$$

Sequence: A269555
Score: 5.29487
Type of gen. func.: ogf

$$-(21304890415790 f(x) + 1341663871009)$$

$$(f(x) x^3 - 99 f(x) x^2 + 99 f(x) x - x^2 - f(x) - 254 x + 7)$$

Sequence: A269555
Score: 6.35385
Type of gen. func.: ogf

$$\{a(n+3) - 99\, a(n+2) + 99\, a(n+1) - a(n),\ a(0) = 7,\ a(1) = 439,\ a(2) = 42767\}$$

Sequence: A269555
Score: 6.40724
Type of gen. func.: lgdogf

$$-\frac{x^4 + 508 x^3 - 25266 x^2 + 1388 x - 439}{x^5 + 155 x^4 - 25054 x^3 + 25838 x^2 - 947 x + 7}$$

Sequence: A269556
Score: 11.7302
Type of gen. func.: ogf

$$-\frac{7 x^2 - 148 x + 5}{(x - 1) (x^2 - 98 x + 1)}$$

Sequence: A269556
Score: 5.44616
Type of gen. func.: ogf

$(64279782154760 f(x) - 2562709254619)$

$$(f(x) x^3 - 99 f(x) x^2 + 99 f(x) x + 7 x^2 - f(x) - 148 x + 5)$$

Sequence: A269556
Score: 6.35385
Type of gen. func.: ogf

$\{-a(n + 3) + 99 a(n + 2) - 99 a(n + 1) + a(n), a(0) = 5, a(1) = 347,$

$a(2) = 33865\}$

Sequence: A269556
Score: 6.46154
Type of gen. func.: lgdogf

$$-\frac{-7 x^4 + 296 x^3 - 13974 x^2 + 976 x - 347}{-7 x^5 + 841 x^4 - 15350 x^3 + 15154 x^2 - 643 x + 5}$$

Sequence: A269578
Score: 4.61564
Type of gen. func.: ogf

$-(145 f(x) + 26)$

$$(f(x) x^4 - 4 f(x) x^3 - 2 f(x) x^2 + x^3 + 4 f(x) x - 3 x^2 - f(x) - 3 x + 3)$$

Sequence: A269578
Score: 4.61564
Type of gen. func.: ogf

$\{-a(n + 4) + 4 a(n + 3) - 2 a(n + 2) - 4 a(n + 1) + a(n), a(0) = 3, a(1) = 9,$

$a(2) = 27, a(3) = 79\}$

Sequence: A269578
Score: 8.63184
Type of gen. func.: ogf

$$-\frac{x^3 - 3 x^2 - 3 x + 3}{x^4 - 4 x^3 - 2 x^2 + 4 x - 1}$$

Sequence: A269579
Score: 4.59240
Type of gen. func.: ogf

$$-\frac{6 x^6 + 4 x^5 - 154 x^4 - 162 x^3 + 190 x^2 - 55 x + 5}{(4 x - 1) (x^2 + 4 x - 1) (2 x^4 - 8 x^3 - 14 x^2 + 8 x - 1)}$$

Sequence: A269580
Score: 4.04319
Type of gen. func.: ogf

$$-\frac{2 (2 x^6 - 26 x^5 - 200 x^4 - 214 x^3 + 186 x^2 - 42 x + 3)}{(5 x - 1) (x^6 - 15 x^5 - 97 x^4 - 85 x^3 + 71 x^2 - 15 x + 1)}$$

Sequence: A269581
Score: 3.19647

Type of gen. func.: ogf

$$-(4x^8+111x^7-253x^6-4143x^5-5405x^4+4923x^3-1365x^2+161x-7) \Big/ \left((6x-1)(x^8+24x^7-76x^6-840x^5-866x^4+792x^3-212x^2+24x-1)\right)$$

Sequence: A269584
Score: 7.42558
Type of gen. func.: ogf

$$-\frac{x^4-7x^3+15x^2-x+16}{(x-1)^5}$$

Sequence: A269585
Score: 6.03791
Type of gen. func.: ogf

$$-\frac{x^5-2x^4+20x^3-70x^2-37x-32}{(x-1)^6}$$

Sequence: A269586
Score: 5.03089
Type of gen. func.: ogf

$$\frac{x^6+9x^5+34x^4-78x^3-411x^2-211x-64}{(x-1)^7}$$

Sequence: A269587
Score: 3.97292
Type of gen. func.: ogf

$$\frac{x^7-46x^6-129x^5-116x^4+1919x^3+2418x^2+865x+128}{\quad^{8}}$$

$$(x - 1)$$

Sequence: A269601
Score: 4.85885
Type of gen. func.: ogf

$$-(484 f(x) + 70691) (12 f(x) x^4 - 8 f(x) x^3 - 5 f(x) x^2 + 11 x^3 + 5 f(x) x - 6 x^2 - f(x) - 6 x + 3)$$

Sequence: A269601
Score: 9.16418
Type of gen. func.: ogf

$$-\frac{11 x^3 - 6 x^2 - 6 x + 3}{(3 x^2 + x - 1) (2 x - 1)^2}$$

Sequence: A269602
Score: 4.42190
Type of gen. func.: ogf

$$-\frac{362 x^6 + 748 x^5 + 199 x^4 - 262 x^3 - 40 x^2 + 40 x - 5}{(4 x - 1) (86 x^6 + 186 x^5 + 64 x^4 - 57 x^3 - 13 x^2 + 9 x - 1)}$$

Sequence: A269603
Score: 3.88038
Type of gen. func.: ogf

$$-\frac{2 (393 x^6 + 922 x^5 + 420 x^4 - 214 x^3 - 72 x^2 + 33 x - 3)}{(5 x - 1) (149 x^6 + 360 x^5 + 182 x^4 - 72 x^3 - 31 x^2 + 12 x - 1)}$$

Sequence: A269607
Score: 3.67582
Type of gen. func.: ogf

$$\{(50 n^2 + 427 n + 831) a(n + 1) + (-137 n^2 - 1062 n - 1979) a(n + 2)$$

$$+ (87 n^2 + 487 n + 678) a(n + 3), a(0) = 8, a(1) = 62, a(2) = 222\}$$

Sequence: A269607
Score: 8.14528
Type of gen. func.: ogf

$$- \frac{2 (x^3 - 4 x^2 + 11 x + 4)}{(x - 1)^5}$$

Sequence: A269607
Score: 8.63596
Type of gen. func.: lgdogf

$$- \frac{-2 x^3 + 9 x^2 - 36 x - 31}{-x^4 + 5 x^3 - 15 x^2 + 7 x + 4}$$

Sequence: A269608
Score: 6.48517
Type of gen. func.: ogf

$$\frac{2 (4 x^4 - 11 x^3 + 15 x^2 + 47 x + 5)}{(x - 1)^6}$$

Sequence: A269609
Score: 4.99417
Type of gen. func.: ogf

$$\frac{2 (x^6 - 12 x^5 + 2 x^4 + 50 x^3 - 249 x^2 - 146 x - 6)}{(x - 1)^7}$$

Sequence: A269610

Score: 3.95856
Type of gen. func.: ogf

$$-\frac{2\,(2\,x^7-6\,x^6-143\,x^5+321\,x^4-608\,x^3-1684\,x^2-395\,x-7)}{(x-1)^8}$$

Sequence: A269613
Score: 10.6823
Type of gen. func.: ogf

$$-\frac{3\,(x^2+x-1)}{(2\,x-1)\,(2\,x^2+2\,x-1)}$$

Sequence: A269613
Score: 5.76655
Type of gen. func.: ogf

$\{-a(n + 3) + 4\,a(n + 2) - 2\,a(n + 1) - 4\,a(n),\ a(0) = 3,\ a(1) = 9,\ a(2) = 27\}$

Sequence: A269613
Score: 6.3264
Type of gen. func.: ogf

$$f(x)\,(4\,f(x)\,x^3+2\,f(x)\,x^2-4\,f(x)\,x+3\,x^2+f(x)+3\,x-3)$$

Sequence: A269613
Score: 6.78771
Type of gen. func.: lgdogf

$$-\frac{-4\,x^4-8\,x^3+6\,x^2+6\,x-3}{-4\,x^5-6\,x^4+6\,x^3+5\,x^2-5\,x+1}$$

Sequence: A269614
Score: 4.99072
Type of gen. func.: ogf

$$-\frac{7 x^6 + 22 x^5 + 54 x^4 + 27 x^3 - 76 x^2 + 32 x - 4}{(3 x - 1) (3 x^6 + 9 x^5 + 24 x^4 + 9 x^3 - 24 x^2 + 9 x - 1)}$$

Sequence: A269615
Score: 4.46483
Type of gen. func.: ogf

$$-\frac{12 x^6 + 40 x^5 + 136 x^4 + 163 x^3 - 190 x^2 + 55 x - 5}{(4 x - 1) (4 x^6 + 12 x^5 + 45 x^4 + 40 x^3 - 45 x^2 + 12 x - 1)}$$

Sequence: A269620
Score: 3.81101
Type of gen. func.: ogf

$$\{(31 n^2 + 266 n + 519) a(n + 1) + (-38 n^2 - 160 n + 66) a(n + 2)$$
$$+ (7 n^2 - 10 n - 93) a(n + 3), a(0) = 15, a(1) = 78, a(2) = 249\}$$

Sequence: A269620
Score: 8.18501
Type of gen. func.: ogf

$$\frac{3 (x^3 - 3 x^2 - x - 5)}{(x - 1)^5}$$

Sequence: A269620
Score: 8.78391
Type of gen. func.: lgdogf

$$-\frac{-2 x^3 + 6 x^2 + 10 x + 26}{-x^4 + 4 x^3 - 2 x^2 + 4 x - 5}$$

Sequence: A269621
Score: 6.54578
Type of gen. func.: ogf

$$-\frac{2\,(3\,x^{4} - x^{3} - 21\,x^{2} - 27\,x - 14)}{(x - 1)^{6}}$$

Sequence: A269622
Score: 4.41420
Type of gen. func.: ogf

$$\frac{x^{8} - 5\,x^{7} + 14\,x^{6} - 17\,x^{5} + 86\,x^{4} - 167\,x^{3} - 314\,x^{2} - 267\,x - 51}{(x - 1)^{7}}$$

Sequence: A269623
Score: 3.51660
Type of gen. func.: ogf

$$(9\,x^{9} - 62\,x^{8} + 179\,x^{7} - 340\,x^{6} + 187\,x^{5} - 370\,x^{4} + 2141\,x^{3} + 2200\,x^{2} + 1004\,x + 92) \Big/ (x - 1)^{8}$$

Sequence: A269628
Score: 16.9979
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{2} - x - 1}{x^{3} - x^{2} - x + 1}$$

Sequence: A269635
Score: 5.00112
Type of gen. func.: ogf

$$-\frac{89\,x^{6} + 151\,x^{5} + x^{4} - 93\,x^{3} + 20\,x - 4}{(3\,x - 1)\,(29\,x^{6} + 54\,x^{5} + 9\,x^{4} - 28\,x^{3} - 3\,x^{2} + 6\,x - 1)}$$

Sequence: A269636
Score: 4.34877
Type of gen. func.: ogf

$$-\frac{273 x^6 + 559 x^5 + 189 x^4 - 207 x^3 - 50 x^2 + 40 x - 5}{(4 x - 1) (67 x^6 + 144 x^5 + 60 x^4 - 45 x^3 - 15 x^2 + 9 x - 1)}$$

Sequence: A269641
Score: 7.46651
Type of gen. func.: ogf

$$\frac{(x - 3) (x^3 + x^2 + 7 x + 3)}{(x - 1)^5}$$

Sequence: A269641
Score: 7.87676
Type of gen. func.: lgdogf

$$-\frac{x^4 + 6 x^2 - 64 x - 63}{x^5 - 3 x^4 + 6 x^3 - 22 x^2 + 9 x + 9}$$

Sequence: A269642
Score: 6.09042
Type of gen. func.: ogf

$$-\frac{x^5 + 6 x^4 - 6 x^3 - 22 x^2 - 87 x - 12}{(x - 1)^6}$$

Sequence: A269643
Score: 4.47190
Type of gen. func.: ogf

8 7 6 5 4 3 2

$$\frac{x - 5 x + 14 x - 2 x + 49 x - 85 x - 392 x - 284 x - 16}{(x - 1)^7}$$

Sequence: A269644
Score: 3.50334
Type of gen. func.: ogf

$$(6 x^9 - 44 x^8 + 123 x^7 - 240 x^6 - 31 x^5 - 152 x^4 + 1813 x^3 + 2736 x^2 + 809 x + 20) \Big/ (x - 1)^8$$

Sequence: A269650
Score: 4.01741
Type of gen. func.: ogf

$$- \frac{(x^5 - 5 x^4 + 14 x^3 - 18 x^2 + 12 x - 3) (x^3 - x^2 + 2 x - 1)}{(x^3 - 2 x^2 + 3 x - 1)^3}$$

Sequence: A269657
Score: 7.06158
Type of gen. func.: lgdogf

$$- \frac{-x^4 + 4 x^3 - 12 x^2 - 32 x - 79}{-x^5 + 5 x^4 - 12 x^3 + 4 x^2 - 11 x + 15}$$

Sequence: A269657
Score: 7.50293
Type of gen. func.: ogf

$$- \frac{x^4 - 4 x^3 + 8 x^2 + 4 x + 15}{(x - 1)^5}$$

Sequence: A269658

Score: 6.09042
Type of gen. func.: ogf

$$-\frac{(x+1)(x^4-7x^3+15x^2-43x-26)}{(x-1)^6}$$

Sequence: A269659
Score: 5.74959
Type of gen. func.: ogf

$$\frac{2(2x^5-17x^4-158x^2-166x-21)}{(x-1)^7}$$

Sequence: A269660
Score: 4.00317
Type of gen. func.: ogf

$$\frac{2(4x^7-26x^6+71x^5+48x^4+438x^3+1354x^2+599x+32)}{(x-1)^8}$$

Sequence: A269667
Score: 5.71869
Type of gen. func.: ogf

$$-\frac{x(10x^{20}+x^{10}-9x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x-9)}{(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A269673
Score: 10.4926
Type of gen. func.: ogf

$$-\frac{4(4x^2+x-1)}{(3x-1)(5x^2+2x-1)}$$

Sequence: A269673
Score: 5.64987
Type of gen. func.: ogf

$$(173 f(x) - 442) (15 f(x) x^3 + f(x) x^2 - 5 f(x) x + 16 x^2 + f(x) + 4 x - 4)$$

Sequence: A269673
Score: 5.74812
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + a(n + 1) + 15 a(n), a(0) = 4, a(1) = 16, a(2) = 60\}$$

Sequence: A269673
Score: 6.41781
Type of gen. func.: lgdogf

$$-\frac{60 x^4 + 30 x^3 - 24 x^2 - 10 x + 4}{60 x^5 + 19 x^4 - 34 x^3 - 2 x^2 + 6 x - 1}$$

Sequence: A269674
Score: 5.46261
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 6 a(n + 1) + 24 a(n), a(0) = 5, a(1) = 25, a(2) = 120\}$$

Sequence: A269674
Score: 5.46262
Type of gen. func.: ogf

$$(14 f(x) - 19) (24 f(x) x^3 + 6 f(x) x^2 - 7 f(x) x + 25 x^2 + f(x) + 10 x - 5)$$

Sequence: A269674
Score: 9.90098
Type of gen. func.: ogf

$$5 (5 x^2 + 2 x - 1)$$

$$- \frac{\qquad}{(4 x - 1) (6 x^2 + 3 x - 1)}$$

Sequence: A269675
Score: 4.75356
Type of gen. func.: ogf

$$(5351 f(x) - 6093)$$

$$(35 f(x) x^3 + 13 f(x) x^2 - 9 f(x) x + 36 x^2 + f(x) + 18 x - 6)$$

Sequence: A269675
Score: 4.91607
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 13 a(n + 1) + 35 a(n), a(0) = 6, a(1) = 36, a(2) = 210$$

$$\}$$

Sequence: A269675
Score: 8.84892
Type of gen. func.: ogf

$$- \frac{6 (6 x^2 + 3 x - 1)}{(5 x - 1) (7 x^2 + 4 x - 1)}$$

Sequence: A269676
Score: 4.89778
Type of gen. func.: ogf

$$-(8518 f(x) - 9191)$$

$$(48 f(x) x^3 + 22 f(x) x^2 - 11 f(x) x + 49 x^2 + f(x) + 28 x - 7)$$

Sequence: A269676
Score: 5.22983
Type of gen. func.: ogf

$$\{a(n + 3) - 11 a(n + 2) + 22 a(n + 1) + 48 a(n), a(0) = 7, a(1) = 49,$$

$a(2) = 336\}$

Sequence: A269676
Score: 9.35030
Type of gen. func.: ogf

$$-\frac{7\,(7\,x^2 + 4\,x - 1)}{(6\,x - 1)\,(8\,x^2 + 5\,x - 1)}$$

Sequence: A269677
Score: 4.67371
Type of gen. func.: ogf

$-(4989\,f(x) - 5284)$

$(63\,f(x)\,x^3 + 33\,f(x)\,x^2 - 13\,f(x)\,x + 64\,x^2 + f(x) + 40\,x - 8)$

Sequence: A269677
Score: 4.99058
Type of gen. func.: ogf

$\{a(n + 3) - 13\,a(n + 2) + 33\,a(n + 1) + 63\,a(n),\ a(0) = 8,\ a(1) = 64,$

$a(2) = 504\}$

Sequence: A269677
Score: 8.92255
Type of gen. func.: ogf

$$-\frac{8\,(8\,x^2 + 5\,x - 1)}{(7\,x - 1)\,(9\,x^2 + 6\,x - 1)}$$

Sequence: A269679
Score: 6.79510
Type of gen. func.: ogf

$$2\,(x^5 - 4\,x^4 + 5\,x^3 - 3\,x^2 + 8\,x + 5)$$
$$- \text{-------------------------------------}$$

$$(x - 1)^5$$

Sequence: A269680
Score: 5.55871
Type of gen. func.: ogf

$$-\frac{2\,(2\,x^6 - 13\,x^5 + 36\,x^4 - 40\,x^3 + 7\,x^2 - 45\,x - 7)}{(x - 1)^6}$$

Sequence: A269681
Score: 4.56134
Type of gen. func.: ogf

$$-\frac{2\,(7\,x^7 - 46\,x^6 + 126\,x^5 - 239\,x^4 + 245\,x^3 + 102\,x^2 + 154\,x + 11)}{(x - 1)^7}$$

Sequence: A269682
Score: 3.64005
Type of gen. func.: ogf

$$-2\,(12\,x^8 - 101\,x^7 + 376\,x^6 - 617\,x^5 + 1013\,x^4 - 1759\,x^3 - 946\,x^2 - 483\,x - 15)\;\Big/\;(x - 1)^8$$

Sequence: A269684
Score: 12.4371
Type of gen. func.: ogf

$$-\frac{3\,(x - 1)}{(2\,x - 1)\,(x^2 + 2\,x - 1)}$$

Sequence: A269684
Score: 5.83335
Type of gen. func.: ogf

$\{a(n + 3) - 4 a(n + 2) + 3 a(n + 1) + 2 a(n), a(0) = 3, a(1) = 9, a(2) = 27\}$

Sequence: A269684
Score: 6.27778
Type of gen. func.: ogf

$$(16 f(x) + 33) (2 f(x) x^3 + 3 f(x) x^2 - 4 f(x) x + f(x) + 3 x - 3)$$

Sequence: A269684
Score: 8.23960
Type of gen. func.: lgdogf

$$- \frac{-4 x^3 + 3 x^2 + 6 x - 3}{-2 x^4 - x^3 + 7 x^2 - 5 x + 1}$$

Sequence: A269685
Score: 10.9929
Type of gen. func.: ogf

$$- \frac{4 (x^2 + 2 x - 1)}{(3 x - 1) (2 x^2 + 3 x - 1)}$$

Sequence: A269685
Score: 5.83104
Type of gen. func.: ogf

$$-(7 f(x) - 4) (6 f(x) x^3 + 7 f(x) x^2 - 6 f(x) x + 4 x^2 + f(x) + 8 x - 4)$$

Sequence: A269685
Score: 5.88218
Type of gen. func.: ogf

$\{-a(n + 3) + 6 a(n + 2) - 7 a(n + 1) - 6 a(n), a(0) = 4, a(1) = 16, a(2) = 64\}$

Sequence: A269685
Score: 6.70569
Type of gen. func.: lgdogf

$$-\frac{-6 x^4 - 24 x^3 - 2 x^2 + 16 x - 4}{-6 x^5 - 19 x^4 - 2 x^3 + 18 x^2 - 8 x + 1}$$

Sequence: A269686
Score: 5.49518
Type of gen. func.: ogf

$\{a(n + 3) - 8 a(n + 2) + 13 a(n + 1) + 12 a(n), a(0) = 5, a(1) = 25, a(2) = 125$

$\}$

Sequence: A269686
Score: 5.49519
Type of gen. func.: ogf

$$(89 f(x) - 70) (12 f(x) x^3 + 13 f(x) x^2 - 8 f(x) x + 10 x^2 + f(x) + 15 x - 5)$$

Sequence: A269686
Score: 9.89132
Type of gen. func.: ogf

$$-\frac{5 (2 x^2 + 3 x - 1)}{(4 x - 1) (3 x^2 + 4 x - 1)}$$

Sequence: A269687
Score: 4.92519
Type of gen. func.: ogf

$$(83 f(x) - 66) (20 f(x) x^3 + 21 f(x) x^2 - 10 f(x) x + 18 x^2 + f(x) + 24 x - 6)$$

Sequence: A269687
Score: 4.92519
Type of gen. func.: ogf

$\{-a(n + 3) + 10 a(n + 2) - 21 a(n + 1) - 20 a(n), a(0) = 6, a(1) = 36,$
$a(2) = 216\}$

Sequence: A269687
Score: 8.80564
Type of gen. func.: ogf

$$-\frac{6 (3 x^2 + 4 x - 1)}{(5 x - 1) (4 x^2 + 5 x - 1)}$$

Sequence: A269688
Score: 5.21757
Type of gen. func.: ogf

$(277 f(x) - 224)$

$(30 f(x) x^3 + 31 f(x) x^2 - 12 f(x) x + 28 x^2 + f(x) + 35 x - 7)$

Sequence: A269688
Score: 5.30600
Type of gen. func.: ogf

$\{a(n + 3) - 12 a(n + 2) + 31 a(n + 1) + 30 a(n), a(0) = 7, a(1) = 49,$
$a(2) = 343\}$

Sequence: A269688
Score: 9.48648
Type of gen. func.: ogf

$$-\frac{7 (4 x^2 + 5 x - 1)}{(6 x - 1) (5 x^2 + 6 x - 1)}$$

Sequence: A269689
Score: 4.99812
Type of gen. func.: ogf

$$(107 f(x) - 88) (42 f(x) x^3 + 43 f(x) x^2 - 14 f(x) x + 40 x^2 + f(x) + 48 x - 8)$$

Sequence: A269689
Score: 5.04048
Type of gen. func.: ogf

$$\{a(n + 3) - 14 a(n + 2) + 43 a(n + 1) + 42 a(n), a(0) = 8, a(1) = 64, a(2) = 512\}$$

Sequence: A269689
Score: 9.01177
Type of gen. func.: ogf

$$-\frac{8 (5 x^2 + 6 x - 1)}{(7 x - 1) (6 x^2 + 7 x - 1)}$$

Sequence: A269691
Score: 5.47186
Type of gen. func.: ogf

$$\frac{8 x^6 - 47 x^5 + 114 x^4 - 134 x^3 + 98 x^2 + 57 x + 24}{(x - 1)^6}$$

Sequence: A269692
Score: 4.53113
Type of gen. func.: ogf

$$\frac{20 x^7 - 141 x^6 + 427 x^5 - 750 x^4 + 718 x^3 - 709 x^2 - 245 x - 40}{(x - 1)^7}$$

Sequence: A269693
Score: 3.63717
Type of gen. func.: ogf

$$(42 x^8 - 337 x^7 + 1184 x^6 - 2323 x^5 + 3268 x^4 - 1919 x^3 + 4240 x^2 + 819 x + 66) / (x - 1)^8$$

Sequence: A269696
Score: 3.88933
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 5\}$$

Sequence: A269696
Score: 6.22292
Type of gen. func.: ogf

$$-4 f(x) x + f(x) - x - 1$$

Sequence: A269696
Score: 7.56843
Type of gen. func.: ogf

$$- \frac{x + 1}{4 x - 1}$$

Sequence: A269696
Score: 7.77867
Type of gen. func.: lgdogf

$$- \frac{5}{4 x^2 + 3 x - 1}$$

Sequence: A269707
Score: 6.39711
Type of gen. func.: ogf

$$- \frac{3}{(x - 1) (x^2 + 1) (x^8 + 1) (x^{32} + 1)}$$

Sequence: A269708
Score: 2.5691
Type of gen. func.: ogf

$$-(12 f(x) + 113) (12 f(x) x^2 + 4 x^3 - 7 f(x) x + 3 x^2 + f(x) + 2 x - 1)$$

Sequence: A269708
Score: 4.51665
Type of gen. func.: ogf

$$-\frac{4 x^3 + 3 x^2 + 2 x - 1}{(4 x - 1) (3 x - 1)}$$

Sequence: A269712
Score: 2.85069
Type of gen. func.: ogf

$$-2 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x) + x + 1$$

Sequence: A269712
Score: 3.81885
Type of gen. func.: ogf

$$\frac{2 x^2 + x + 1}{(2 x - 1) (x - 1)}$$

Sequence: A269716
Score: 2.74567
Type of gen. func.: ogf

$$(28 f(x) + 47) (8 f(x) x^2 - 8 x^3 - 6 f(x) x + 2 x^2 + f(x) + x - 1)$$

Sequence: A269716
Score: 4.63613
Type of gen. func.: ogf

$$\frac{(2 x + 1) (4 x^2 - 3 x + 1)}{(4 x - 1) (2 x - 1)}$$

Sequence: A269723
Score: 5.87668
Type of gen. func.: ogf

$$-x^2 (x^{30} - x^{28} + x^{26} - x^{24} + x^{20} - x^{18} + x^{16} - x^{12} + x^{10} - x^8 + x^4 - x^2 + 1) / ((x - 1) (x^{32} + 1))$$

Sequence: A269726
Score: 7.19907
Type of gen. func.: ogf

$$-\frac{987 x^{22} - 1034 x^{21} + 144 x^9 - 162 x^8 + 21 x^4 - 28 x^3 + 3 x^2 - 6 x - 1}{(x - 1)^2}$$

Sequence: A269730
Score: 13.9769
Type of gen. func.: ogf

$$6 f(x)^2 x^2 + 5 f(x) x - f(x) + 1$$

Sequence: A269730
Score: 20.6158
Type of gen. func.: revogf

$$-\frac{x}{-6 x^2 - 5 x - 1}$$

Sequence: A269730
Score: 5.38976
Type of gen. func.: ogf

$\{(n + 2) a(n + 1) + (-10 n - 35) a(n + 2) + (n + 5) a(n + 3), a(0) = 1,$
$a(1) = 5, a(2) = 31\}$

Sequence: A269731
Score: 15.6775
Type of gen. func.: ogf

$$12 f(x)^2 x^2 + 7 f(x) x - f(x) + 1$$

Sequence: A269731
Score: 22.9426
Type of gen. func.: revogf

$$- \frac{x}{-12 x^2 - 7 x - 1}$$

Sequence: A269731
Score: 6.14802
Type of gen. func.: ogf

$\{(n + 2) a(n + 1) + (-14 n - 49) a(n + 2) + (n + 5) a(n + 3), a(0) = 1,$
$a(1) = 7, a(2) = 61\}$

Sequence: A269732
Score: 17.1407
Type of gen. func.: ogf

$$20 f(x)^2 x^2 + 9 f(x) x - f(x) + 1$$

Sequence: A269732
Score: 25.0839
Type of gen. func.: revogf

$$- \frac{x}{-20 x^2 - 9 x - 1}$$

Sequence: A269732
Score: 6.67818
Type of gen. func.: ogf

$$\{(n+2)\,a(n+1) + (-18n-63)\,a(n+2) + (n+5)\,a(n+3),\ a(0)=1,\ a(1)=9,\ a(2)=101\}$$

Sequence: A269760
Score: 14.1337
Type of gen. func.: ogf

$$\frac{6x}{(5x-1)^2}$$

Sequence: A269760
Score: 19.0074
Type of gen. func.: lgdogf

$$\frac{10}{-5x+1}$$

Sequence: A269760
Score: 6.64113
Type of gen. func.: ogf

$$\{a(n+2) - 10\,a(n+1) + 25\,a(n),\ a(0)=0,\ a(1)=6\}$$

Sequence: A269760
Score: 9.03631
Type of gen. func.: ogf

$$-25 f(x) x^2 + 10 f(x) x - f(x) + 6 x$$

Sequence: A269761
Score: 4.70859
Type of gen. func.: ogf

{-a(n + 3) + 42 a(n + 2) - 441 a(n + 1), a(0) = 6, a(1) = 480, a(2) = 17520}

Sequence: A269761
Score: 4.9307
Type of gen. func.: ogf

$$(7843 f(x) + 291630) (441 f(x) x^2 - 42 f(x) x - 6 x^2 + f(x) - 228 x - 6)$$

Sequence: A269761
Score: 8.29610
Type of gen. func.: lgdogf

$$- \frac{800 x + 80}{21 x^3 + 797 x^2 - 17 x - 1}$$

Sequence: A269761
Score: 9.01128
Type of gen. func.: ogf

$$\frac{6 (x^2 + 38 x + 1)}{(21 x - 1)^2}$$

Sequence: A269762
Score: 3.93264
Type of gen. func.: ogf

$$\frac{60 (225 x^4 + 1554 x^3 - 850 x^2 + 108 x + 1)}{(335 x^2 - 92 x + 1)^2}$$

Sequence: A269771
Score: 10.2289
Type of gen. func.: ogf

```
                     2
           4 (2 x  + 2 x - 1)
     - ---------------------------
                        2
```

$$(3 x - 1) (3 x + 3 x - 1)$$

Sequence: A269771
Score: 5.47336
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 6 a(n + 1) + 9 a(n), a(0) = 4, a(1) = 16, a(2) = 64\}$$

Sequence: A269771
Score: 5.5218
Type of gen. func.: ogf

$$(21 f(x) - 20) (9 f(x) x^3 + 6 f(x) x^2 - 6 f(x) x + 8 x^2 + f(x) + 8 x - 4)$$

Sequence: A269772
Score: 5.04818
Type of gen. func.: ogf

$$(92 f(x) - 85) (16 f(x) x^3 + 12 f(x) x^2 - 8 f(x) x + 15 x^2 + f(x) + 15 x - 5)$$

Sequence: A269772
Score: 5.04818
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 12 a(n + 1) + 16 a(n), a(0) = 5, a(1) = 25, a(2) = 125\}$$

Sequence: A269772
Score: 9.08672
Type of gen. func.: ogf

$$-\frac{5 (3 x^2 + 3 x - 1)}{(4 x - 1) (4 x^2 + 4 x - 1)}$$

Sequence: A269773
Score: 4.95057

Type of gen. func.: ogf

$$(85 f(x) - 78) (25 f(x) x^{3} + 20 f(x) x^{2} - 10 f(x) x + 24 x^{2} + f(x) + 24 x - 6)$$

Sequence: A269773
Score: 4.95057
Type of gen. func.: ogf

$$\{a(n + 3) - 10 a(n + 2) + 20 a(n + 1) + 25 a(n), a(0) = 6, a(1) = 36, a(2) = 216\}$$

Sequence: A269773
Score: 8.85102
Type of gen. func.: ogf

$$- \frac{6 (4 x^{2} + 4 x - 1)}{(5 x - 1) (5 x^{2} + 5 x - 1)}$$

Sequence: A269774
Score: 5.21757
Type of gen. func.: ogf

$$(282 f(x) - 259) (36 f(x) x^{3} + 30 f(x) x^{2} - 12 f(x) x + 35 x^{2} + f(x) + 35 x - 7)$$

Sequence: A269774
Score: 5.30600
Type of gen. func.: ogf

$$\{a(n + 3) - 12 a(n + 2) + 30 a(n + 1) + 36 a(n), a(0) = 7, a(1) = 49, a(2) = 343\}$$

Sequence: A269774
Score: 9.48648
Type of gen. func.: ogf

2

$$-\frac{7 (5 x + 5 x - 1)}{(6 x - 1) (6 x^2 + 6 x - 1)}$$

Sequence: A269775
Score: 4.98101
Type of gen. func.: ogf

$$(217 f(x) - 200) (49 f(x) x^3 + 42 f(x) x^2 - 14 f(x) x + 48 x^2 + f(x) + 48 x - 8)$$

Sequence: A269775
Score: 5.06543
Type of gen. func.: ogf

$$\{a(n + 3) - 14 a(n + 2) + 42 a(n + 1) + 49 a(n), a(0) = 8, a(1) = 64, a(2) = 512\}$$

Sequence: A269775
Score: 9.05638
Type of gen. func.: ogf

$$-\frac{8 (6 x^2 + 6 x - 1)}{(7 x - 1) (7 x^2 + 7 x - 1)}$$

Sequence: A269777
Score: 3.66701
Type of gen. func.: ogf

$$\{(n^2 - 8 n - 48) a(n + 1) + (38 n^2 + 447 n + 1149) a(n + 2) + (-39 n^2 - 239 n - 366) a(n + 3), a(0) = 24, a(1) = 222, a(2) = 984\}$$

Sequence: A269777
Score: 7.07473
Type of gen. func.: ogf

$$\frac{6\,(x^3+2\,x^2+13\,x+4)}{(x-1)^6}$$

Sequence: A269777
Score: 8.33807
Type of gen. func.: lgdogf

$$-\frac{-3\,x^3-11\,x^2-69\,x-37}{-x^4-x^3-11\,x^2+9\,x+4}$$

Sequence: A269778
Score: 5.70168
Type of gen. func.: ogf

$$-\frac{8\,(2\,x^4+4\,x^3+36\,x^2+43\,x+5)}{(x-1)^7}$$

Sequence: A269778
Score: 6.57886
Type of gen. func.: lgdogf

$$-\frac{6\,x^4+24\,x^3+192\,x^2+330\,x+78}{2\,x^5+2\,x^4+32\,x^3+7\,x^2-38\,x-5}$$

Sequence: A269779
Score: 4.48242
Type of gen. func.: ogf

$$\frac{6\,(6\,x^5+27\,x^4+152\,x^3+442\,x^2+202\,x+11)}{(x-1)^8}$$

Sequence: A269782

Score: 7.24954
Type of gen. func.: ogf

$$-\frac{4 x^{10} - 8 x^{8} + 4 x^{7} + 4 x^{6} - 3 x^{4} + 24 x^{3} + 2 x^{2} + 4 x + 1}{(x + 1)^{3} (x - 1)^{3}}$$

Sequence: A269792
Score: 10.2585
Type of gen. func.: lgdogf

$$-\frac{2 x^{3} + 36 x^{2} + 66 x + 16}{x^{4} + 10 x^{3} - 10 x - 1}$$

Sequence: A269792
Score: 4.38836
Type of gen. func.: ogf

$$\{(-4 n^{2} - 17 n - 18) a(n + 1) + (8 n^{2} + 32 n + 72) a(n + 2)$$
$$+ (-4 n^{2} - 15 n - 14) a(n + 3), a(0) = 0, a(1) = 5, a(2) = 80\}$$

Sequence: A269792
Score: 8.49360
Type of gen. func.: ogf

$$-\frac{5 x (x + 1) (x^{2} + 10 x + 1)}{(x - 1)^{5}}$$

Sequence: A269796
Score: 13.3959
Type of gen. func.: ogf

$$-16 f(x)^{2} x^{2} - 8 f(x) x + f(x) - 1$$

Sequence: A269796
Score: 19.6037
Type of gen. func.: revogf

$$-\frac{x}{-16 x^2 - 8 x - 1}$$

Sequence: A269796
Score: 7.58258
Type of gen. func.: ogf

$$\{(-16 n - 40) a(n + 1) + (n + 4) a(n + 2), a(0) = 1, a(1) = 8\}$$

Sequence: A269803
Score: 8.18290
Type of gen. func.: ogf

$$-\frac{x^4 - 2 x^3 - 3 x^2 + 2 x + 1}{(x + 1) (x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A269815
Score: 2.27825
Type of gen. func.: ogf

$(6317 f(x) - 19785)$

$$(8 f(x) x^3 - 14 f(x) x^2 - 12 x^3 + 7 f(x) x + 16 x^2 - f(x) - 2 x + 1)$$

Sequence: A269815
Score: 4.08188
Type of gen. func.: ogf

$$\frac{12 x^3 - 16 x^2 + 2 x - 1}{(2 x - 1) (4 x - 1) (x - 1)}$$

Sequence: A269819
Score: 10.2093
Type of gen. func.: ogf

$$\frac{(x + 1) (5 x^2 - 4 x + 5)}{(x^2 + 1) (x - 1)^2}$$

Sequence: A269819
Score: 5.61513
Type of gen. func.: ogf

$$(12 f(x) + 107) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - 5 x^3 - 2 f(x) x - x^2 + f(x) - x - 5)$$

Sequence: A269820
Score: 4.21406
Type of gen. func.: ogf

$$\{(4 + 2 n) a(n + 1) - a(n + 2) + (2 n + 6) a(n + 3) - a(n + 4), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 5\}$$

Sequence: A269822
Score: 10.1489
Type of gen. func.: ogf

$$-16 f(x) x^2 + 8 f(x) x - f(x) + 5 x$$

Sequence: A269822
Score: 16.0246
Type of gen. func.: ogf

$$\frac{5 x}{(4 x - 1)^2}$$

Sequence: A269822
Score: 21.7477
Type of gen. func.: lgdogf

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1 - 4 x
```

Sequence: A269822
Score: 7.42604
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 16 a(n), a(0) = 0, a(1) = 5\}$$

Sequence: A269823
Score: 3.79771
Type of gen. func.: ogf

$$\frac{720 x^6 - 480 x^5 - 1016 x^4 + 352 x^3 + 701 x^2 + 166 x + 5}{(12 x^3 + 36 x^2 + 5 x - 1)^2}$$

Sequence: A269876
Score: 9.12804
Type of gen. func.: ogf

$$-\frac{x^5 + x^4 + 22 x^3 + 2 x^2 + 5 x + 1}{(x + 1)^3 (x - 1)^3}$$

Sequence: A269877
Score: 4.17419
Type of gen. func.: ogf

$$- 8 x (19750453248 x^5 + 8538456064 x^4 + 585181184 x^3 + 7953024 x^2 + 15104 x + 1) \Big/ (16 x - 1)^7$$

Sequence: A269878
Score: 6.94866
Type of gen. func.: ogf

$$\frac{x^5 + x^4 + 22 x^3 + 2 x^2 + 5 x + 1}{(x + 1)^3 (x - 1)^4}$$

Sequence: A269879
Score: 9.50899
Type of gen. func.: lgdogf

$$-\frac{-18 x^3 + 2 x^2 - 16 x}{-6 x^4 - x^3 + 5 x^2 + x + 1}$$

Sequence: A269879
Score: 9.50899
Type of gen. func.: ogf

$$\frac{4 (6 x^2 + x + 1)}{(x - 1)^2 (x + 1)^3}$$

Sequence: A269882
Score: 3.12686
Type of gen. func.: ogf

$$-(-3288841010 + 961730219 f(x)) (196 f(x) x^4 + 420 f(x) x^3 - 24 x^4$$
$$+ 197 f(x) x^2 - 216 x^3 - 30 f(x) x + 498 x^2 + f(x) - 252 x - 6)$$

Sequence: A269882
Score: 5.68521
Type of gen. func.: ogf

$$\frac{6 (4 x^2 + 44 x + 1) (x - 1)^2}{(14 x^2 + 15 x - 1)^2}$$

Sequence: A269895

Score: 15.2091
Type of gen. func.: ogf

$$\frac{7x}{(6x-1)^2}$$

Sequence: A269895
Score: 20.4536
Type of gen. func.: lgdogf

$$\frac{12}{-6x+1}$$

Sequence: A269895
Score: 7.14645
Type of gen. func.: ogf

$$\{a(n+2) - 12 a(n+1) + 36 a(n), a(0) = 0, a(1) = 7\}$$

Sequence: A269895
Score: 9.72385
Type of gen. func.: ogf

$$-36 f(x) x^2 + 12 f(x) x - f(x) + 7 x$$

Sequence: A269896
Score: 5.17214
Type of gen. func.: ogf

$$\{-a(n+3) + 62 a(n+2) - 961 a(n+1), a(0) = 7, a(1) = 840, a(2) = 45360\}$$

Sequence: A269896
Score: 5.52026
Type of gen. func.: ogf

$$(391 f(x) + 17444) (961 f(x) x^2 - 62 f(x) x - 7 x^2 + f(x) - 406 x - 7)$$

Sequence: A269896
Score: 8.69859
Type of gen. func.: lgdogf

$$-\frac{1800 x + 120}{31 x^3 + 1797 x^2 - 27 x - 1}$$

Sequence: A269896
Score: 9.89840
Type of gen. func.: ogf

$$\frac{7 (x^2 + 58 x + 1)}{(31 x - 1)^2}$$

Sequence: A269897
Score: 3.45698
Type of gen. func.: ogf

$$\frac{42 (1152 x^4 + 9795 x^3 - 4154 x^2 + 420 x + 2)}{(774 x^2 - 165 x + 1)^2}$$

Sequence: A269906
Score: 9.10651
Type of gen. func.: ogf

$$\frac{4 x^5 - x^4 - 32 x^3 + 2 x^2 - 4 x - 1}{(x + 1)^3 (x - 1)^3}$$

Sequence: A269907
Score: 2.39552
Type of gen. func.: ogf

$$(7 f(x) - 1679)$$

$$(8 f(x) x^3 - 14 f(x) x^2 - 40 x^3 + 7 f(x) x + 30 x^2 - f(x) - 3 x + 1)$$

Sequence: A269907
Score: 4.15889
Type of gen. func.: ogf

$$\frac{40 x^{3} - 30 x^{2} + 3 x - 1}{(2 x - 1) (4 x - 1) (x - 1)}$$

Sequence: A269908
Score: 6.91678
Type of gen. func.: ogf

$$- \frac{4 x^{5} - x^{4} - 32 x^{3} + 2 x^{2} - 4 x - 1}{(x + 1)^{3} (x - 1)^{4}}$$

Sequence: A269909
Score: 7.59995
Type of gen. func.: lgdogf

$$- \frac{5 x^{5} - 5 x^{4} - 82 x^{3} + 34 x^{2} - 83 x + 3}{5 x^{6} - 39 x^{4} + 31 x^{2} + 3}$$

Sequence: A269909
Score: 8.99018
Type of gen. func.: ogf

$$- \frac{5 x^{4} - 34 x^{2} - 3}{(x - 1)^{2} (x + 1)^{3}}$$

Sequence: A269910
Score: 9.10651
Type of gen. func.: ogf

$$\frac{3 x^{5} - x^{4} - 30 x^{3} + 2 x^{2} - 5 x - 1}{\qquad {}^{3} \qquad\qquad {}^{3}}$$

$$(x + 1)\ (x - 1)$$

Sequence: A269911
Score: 2.33937
Type of gen. func.: ogf

$$(651 f(x) - 32276)$$

$$(8 f(x) x^3 - 14 f(x) x^2 - 32 x^3 + 7 f(x) x + 24 x^2 - f(x) - 2 x + 1)$$

Sequence: A269911
Score: 4.15889
Type of gen. func.: ogf

$$\frac{32 x^3 - 24 x^2 + 2 x - 1}{(2 x - 1) (4 x - 1) (x - 1)}$$

Sequence: A269912
Score: 6.91678
Type of gen. func.: ogf

$$- \frac{3 x^5 - x^4 - 30 x^3 + 2 x^2 - 5 x - 1}{(x + 1)^3 (x - 1)^4}$$

Sequence: A269913
Score: 7.84250
Type of gen. func.: lgdogf

$$- \frac{x^5 - x^4 - 20 x^3 + 8 x^2 - 21 x + 1}{x^6 - 9 x^4 + 7 x^2 + 1}$$

Sequence: A269913
Score: 8.99018
Type of gen. func.: ogf

$$4 (x^4 - 8 x^2 - 1)$$

$$-\frac{\qquad}{(x-1)^{2}\,(x+1)^{3}}$$

Sequence: A269914
Score: 8.33050
Type of gen. func.: ogf

$$\frac{(x+1)\,(x^{2}+x+1)}{(2\,x^{2}+2\,x-1)\,(x^{4}+3\,x^{3}+3\,x^{2}+x-1)}$$

Sequence: A269915
Score: 5.58128
Type of gen. func.: ogf

$$\frac{(x+1)\,(x^{2}+x+1)\,(x^{2}+1)}{(x^{6}+3\,x^{5}+5\,x^{4}+5\,x^{3}+3\,x^{2}+x-1)\,(2\,x^{3}+2\,x^{2}+2\,x-1)}$$

Sequence: A269916
Score: 4.29184
Type of gen. func.: ogf

$$(x+1)\,(x^{2}+1)\,(x^{4}+x^{3}+x^{2}+x+1)\;\Big/\;\big((x^{8}+3\,x^{7}+5\,x^{6}+7\,x^{5}+7\,x^{4}+5\,x^{3}+3\,x^{2}+x-1)\,(2\,x^{4}+2\,x^{3}+2\,x^{2}+2\,x-1)\big)$$

Sequence: A269932
Score: 3.51173
Type of gen. func.: ogf

$$\frac{2800\,x^{6}+20160\,x^{5}-42600\,x^{4}+19736\,x^{3}+8199\,x^{2}+690\,x+7}{(140\,x^{3}+192\,x^{2}+15\,x-1)^{2}}$$

Sequence: A269962
Score: 8.88313
Type of gen. func.: ogf

$$-\frac{(x+1)(2x^3-2x^2-1)}{(x-1)(2x^4-2x^2+3x-1)}$$

Sequence: A269963
Score: 9.32689
Type of gen. func.: ogf

$$-\frac{2x^3+2x^2+1}{(x+1)(2x^4-2x^2+3x-1)}$$

Sequence: A269964
Score: 8.88860
Type of gen. func.: ogf

$$-\frac{2x^4-x^2+2x-1}{(x-1)(x+1)(2x^4-2x^2+3x-1)}$$

Sequence: A269965
Score: 9.70844
Type of gen. func.: ogf

$$\frac{2x^3+2x^2+1}{(x-1)(x+1)(2x^4-2x^2+3x-1)}$$

Sequence: A270006
Score: 6.61639
Type of gen. func.: ogf

$$-\frac{x^7-x^6-2x^5+3x^4+25x^3-3x^2+8x+1}{(x+1)^3(x-1)^3}$$

Sequence: A270007
Score: 2.0651
Type of gen. func.: ogf

$$-(1479564 f(x) - 2502797)$$

$$(8 f(x) x^3 + 8 x^4 - 14 f(x) x^2 - 14 x^3 + 7 f(x) x + 7 x^2 - f(x) + x + 1)$$

Sequence: A270007
Score: 3.79038
Type of gen. func.: ogf

$$-\frac{8 x^4 - 14 x^3 + 7 x^2 + x + 1}{(2 x - 1) (4 x - 1) (x - 1)}$$

Sequence: A270008
Score: 6.09090
Type of gen. func.: ogf

$$\frac{x^7 - x^6 - 2 x^5 + 3 x^4 + 25 x^3 - 3 x^2 + 8 x + 1}{(x + 1)^3 (x - 1)^4}$$

Sequence: A270009
Score: 6.70177
Type of gen. func.: ogf

$$\frac{x^6 - x^5 - 3 x^4 + 2 x^3 + 27 x^2 - x + 7}{(x - 1)^2 (x + 1)^3}$$

Sequence: A270010
Score: 7.15650
Type of gen. func.: ogf

$$x^6 - x^5 - 3 x^4 - 22 x^3 + 3 x^2 - 9 x - 1$$

$$(x+1)^3 (x-1)^3$$

Sequence: A270012
Score: 6.53733
Type of gen. func.: ogf

$$-\frac{x^6 - x^5 - 3x^4 - 22x^3 + 3x^2 - 9x - 1}{(x+1)^3 (x-1)^4}$$

Sequence: A270013
Score: 7.84250
Type of gen. func.: ogf

$$-\frac{x^5 - 2x^3 - 24x^2 + x - 8}{(x-1)^2 (x+1)^3}$$

Sequence: A270049
Score: 4.54183
Type of gen. func.: ogf

$$\{(-n-2)\,a(n+1) + (n+3)\,a(n+2) - a(n+4) + 2\,a(n+3),\ a(0) = 1,\ a(1) = 1,\ a(2) = 3,\ a(3) = 7\}$$

Sequence: A270052
Score: 4.78902
Type of gen. func.: ogf

$$\{-a(n+3) + 26\,a(n+2) - 169\,a(n+1),\ a(0) = 5,\ a(1) = 240,\ a(2) = 5400\}$$

Sequence: A270052
Score: 4.96973
Type of gen. func.: ogf

$$(9443\,f(x) + 277265)\,(169\,f(x)\,x^2 - 26\,f(x)\,x - 5\,x^2 + f(x) - 110\,x - 5)$$

Sequence: A270052
Score: 8.49665
Type of gen. func.: lgdogf

$$-\frac{288 x + 48}{13 x^3 + 285 x^2 - 9 x - 1}$$

Sequence: A270052
Score: 9.08262
Type of gen. func.: ogf

$$\frac{5 (x^2 + 22 x + 1)}{(13 x - 1)^2}$$

Sequence: A270053
Score: 4.19095
Type of gen. func.: ogf

$$\frac{20 (128 x^4 + 675 x^3 - 526 x^2 + 90 x + 2)}{(116 x^2 - 45 x + 1)^2}$$

Sequence: A270059
Score: 10.7709
Type of gen. func.: ogf

$$\frac{x^5 - 2 x^4 + x^2 + 1}{(x + 1) (x - 1)^2}$$

Sequence: A270062
Score: 8.53643
Type of gen. func.: ogf

$$-\frac{x^3 + x^2 - 1}{x^6 + x^5 - x^4 - 5 x^3 - 5 x^2 - x + 1}$$

Sequence: A270079
Score: 5.20788
Type of gen. func.: ogf

$$\frac{4 x^{12} - 4 x^{10} - 4 x^{9} + x^{8} + 12 x^{7} - 6 x^{6} - 4 x^{4} - 4 x^{3} - 6 x^{2} - 4 x - 1}{(x^{2} + 1) (x + 1)^{2} (x - 1)^{3}}$$

Sequence: A270080
Score: 3.18218
Type of gen. func.: ogf

$$\frac{32 x^{5} - 16 x^{4} + 6 x^{3} + x^{2} + 2 x - 1}{(2 x - 1) (4 x - 1) (x - 1)}$$

Sequence: A270081
Score: 5.42732
Type of gen. func.: ogf

$$- \frac{4 x^{12} - 4 x^{10} - 4 x^{9} + x^{8} + 12 x^{7} - 6 x^{6} - 4 x^{4} - 4 x^{3} - 6 x^{2} - 4 x - 1}{(x^{2} + 1) (x + 1)^{2} (x - 1)^{4}}$$

Sequence: A270082
Score: 6.66097
Type of gen. func.: ogf

$$- \frac{4 x^{11} - 4 x^{9} - 4 x^{8} + x^{7} + 12 x^{6} - 5 x^{5} - 5 x^{3} - 4 x^{2} - 7 x - 4}{(x^{2} + 1) (x - 1)^{2} (x + 1)^{2}}$$

Sequence: A270084
Score: 2.15424
Type of gen. func.: ogf

$(13539 f(x) - 28202)$ (

$$8 f(x) x^3 + 32 x^4 - 14 f(x) x^2 - 16 x^3 + 7 f(x) x + 22 x^2 - f(x) - 3 x + 1)$$

Sequence: A270084
Score: 3.69679
Type of gen. func.: ogf

$$-\frac{32 x^4 - 16 x^3 + 22 x^2 - 3 x + 1}{(2 x - 1) (4 x - 1) (x - 1)}$$

Sequence: A270085
Score: 5.73386
Type of gen. func.: ogf

$$\frac{4 x^{10} - 8 x^8 + 4 x^7 + 4 x^6 - 3 x^4 + 24 x^3 + 2 x^2 + 4 x + 1}{(x + 1)^3 (x - 1)^4}$$

Sequence: A270086
Score: 5.79106
Type of gen. func.: ogf

$$\frac{4 x^9 - 8 x^7 + 4 x^6 + 4 x^5 - x^4 - 4 x^3 + 26 x^2 + 4 x + 3}{(x - 1)^2 (x + 1)^3}$$

Sequence: A270087
Score: 5.59852
Type of gen. func.: ogf

$$-\frac{9 x^9 - 5 x^8 - 22 x^7 + 14 x^6 + 13 x^5 - 12 x^4 + 28 x^3 + 2 x^2 + 4 x + 1}{(x + 1)^3 (x - 1)^3}$$

Sequence: A270088
Score: 3.36449
Type of gen. func.: ogf

$$-\frac{72 x^5 - 86 x^4 - 7 x^3 + 26 x^2 - 3 x + 1}{(2 x - 1) (4 x - 1) (x - 1)}$$

Sequence: A270089
Score: 5.32430
Type of gen. func.: ogf

$$\frac{9 x^9 - 5 x^8 - 22 x^7 + 14 x^6 + 13 x^5 - 12 x^4 + 28 x^3 + 2 x^2 + 4 x + 1}{(x + 1)^3 (x - 1)^4}$$

Sequence: A270090
Score: 5.67073
Type of gen. func.: ogf

$$\frac{9 x^8 - 5 x^7 - 22 x^6 + 14 x^5 + 12 x^4 - 13 x^3 + 30 x^2 + 4 x + 3}{(x - 1)^2 (x + 1)^3}$$

Sequence: A270109
Score: 10.9970
Type of gen. func.: lgdogf

$$-\frac{x^3 + 11 x^2 + 5 x + 7}{x^4 + 3 x^3 - 5 x^2 + 3 x - 2}$$

Sequence: A270109
Score: 11.5683
Type of gen. func.: ogf

$$\frac{x^3 + 4 x^2 - x + 2}{(x - 1)^4}$$

Sequence: A270109
Score: 4.78902

Type of gen. func.: ogf

$$\{(-59 n^2 - 294 n - 352) a(n + 1) + (54 n^2 + 3 n - 469) a(n + 2) + (5 n^2 + 99 n + 252) a(n + 3), a(0) = 2, a(1) = 7, a(2) = 20\}$$

Sequence: A270109
Score: 6.18583
Type of gen. func.: ogf

$$(9504 f(x) + 12437) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 4 x^2 + f(x) + x - 2)$$

Sequence: A270111
Score: 10.3623
Type of gen. func.: ogf

$$-49 f(x) x^2 + 14 f(x) x - f(x) + 8 x$$

Sequence: A270111
Score: 16.2077
Type of gen. func.: ogf

$$\frac{8 x}{(7 x - 1)^2}$$

Sequence: A270111
Score: 21.7965
Type of gen. func.: lgdogf

$$\frac{14}{-7 x + 1}$$

Sequence: A270111
Score: 7.61565
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1) + 49 a(n), a(0) = 0, a(1) = 8\}$$

Sequence: A270112
Score: 4.67623
Type of gen. func.: ogf

$$\{-a(n + 3) + 86 a(n + 2) - 1849 a(n + 1), a(0) = 8, a(1) = 1344, a(2) = 100800\}$$

Sequence: A270112
Score: 5.07704
Type of gen. func.: ogf

$$(649 f(x) + 33637) (1849 f(x) x^2 - 86 f(x) x - 8 x^2 + f(x) - 656 x - 8)$$

Sequence: A270112
Score: 8.07712
Type of gen. func.: lgdogf

$$- \frac{3528 x + 168}{43 x^3 + 3525 x^2 - 39 x - 1}$$

Sequence: A270112
Score: 9.03542
Type of gen. func.: ogf

$$\frac{8 (x^2 + 82 x + 1)}{(43 x - 1)^2}$$

Sequence: A270113
Score: 3.61619
Type of gen. func.: ogf

$$\frac{112 (1225 x^4 + 12339 x^3 - 4286 x^2 + 360 x + 1)}{(1547 x^2 - 270 x + 1)^2}$$

Sequence: A270126
Score: 3.32711
Type of gen. func.: ogf

$$\{-a(n+3) + 4\, a(n+2),\ a(0) = 1,\ a(1) = 5,\ a(2) = 24\}$$

Sequence: A270126
Score: 3.53505
Type of gen. func.: ogf

$$-(28\, f(x) - 3)\,(4\, f(x)\, x + 4\, x^2 - f(x) + x + 1)$$

Sequence: A270126
Score: 6.28453
Type of gen. func.: ogf

$$-\frac{4\, x^2 + x + 1}{4\, x - 1}$$

Sequence: A270129
Score: 5.64331
Type of gen. func.: ogf

$$-\frac{5\, x^9 - 5\, x^8 - 10\, x^7 + 14\, x^6 + x^5 - 12\, x^4 + 32\, x^3 + 2\, x^2 + 4\, x + 1}{(x + 1)^3\, (x - 1)^3}$$

Sequence: A270130
Score: 3.32711
Type of gen. func.: ogf

$$-\frac{40\, x^5 - 30\, x^4 - 35\, x^3 + 30\, x^2 - 3\, x + 1}{(2\, x - 1)\,(4\, x - 1)\,(x - 1)}$$

Sequence: A270131
Score: 5.35910
Type of gen. func.: ogf

$$\frac{5x^9 - 5x^8 - 10x^7 + 14x^6 + x^5 - 12x^4 + 32x^3 + 2x^2 + 4x + 1}{(x+1)^3 (x-1)^4}$$

Sequence: A270132
Score: 6.09252
Type of gen. func.: ogf

$$\frac{5x^8 - 5x^7 - 10x^6 + 14x^5 - 13x^3 + 34x^2 + 4x + 3}{(x-1)^2 (x+1)^3}$$

Sequence: A270143
Score: 17.4700
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^2 + 4x - 1}{x - 1}$$

Sequence: A270144
Score: 14.3072
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^3 + 2x^2 + 2x - 1}{x^2 - 1}$$

Sequence: A270145
Score: 4.94504
Type of gen. func.: ogf

$$\frac{8(4x^2 + 116x + 1)(x-1)^2}{(x+1)^2 (34x - 1)^2}$$

Sequence: A270164
Score: 5.32539
Type of gen. func.: ogf

$$-(4x^{13}+8x^{12}-12x^{11}-24x^{10}+16x^{9}+23x^{8}-12x^{7}-6x^{6}+x^{5}+26x^{3}+2x^{2}+5x+1) \Big/ ((x+1)^{3}(x-1)^{3})$$

Sequence: A270165
Score: 2.99893
Type of gen. func.: ogf

$$-\frac{32x^{6}-24x^{5}+4x^{4}-28x^{3}+20x^{2}-2x+1}{(2x-1)(4x-1)(x-1)}$$

Sequence: A270166
Score: 4.50111
Type of gen. func.: ogf

$$(4x^{13}+8x^{12}-12x^{11}-24x^{10}+16x^{9}+23x^{8}-12x^{7}-6x^{6}+x^{5}+26x^{3}+2x^{2}+5x+1) \Big/ ((x+1)^{3}(x-1)^{4})$$

Sequence: A270167
Score: 4.69431
Type of gen. func.: ogf

$$(4x^{12}+8x^{11}-12x^{10}-24x^{9}+16x^{8}+23x^{7}-12x^{6}-6x^{5}-x^{3}+28x^{2}+4x+4) \Big/ ((x-1)^{2}(x+1)^{3})$$

Sequence: A270172
Score: 11.3001
Type of gen. func.: ogf

$$-\frac{x^{10}\,(10\,x^{10}-9)}{}$$

4 3 2 4 3 2 2

$$(x + 1) (x + x + x + x + 1) (x - x + x - x + 1) (x - 1)$$

Sequence: A270205
Score: 12.2378
Type of gen. func.: lgdogf

$$-\frac{6 + 6 x}{2 x^2 - x - 1}$$

Sequence: A270205
Score: 3.96901
Type of gen. func.: ogf

$\{(n + 1) a(n + 3) + (-6 + n) a(n + 2) + (-4 - 2 n) a(n + 1), a(0) = 0, a(1) = 0,$

$a(2) = 6\}$

Sequence: A270205
Score: 5.43901
Type of gen. func.: ogf

$$-f(x) x^4 + 4 f(x) x^3 - 6 f(x) x^2 + 12 x^3 + 4 f(x) x + 6 x^2 - f(x)$$

Sequence: A270205
Score: 8.39163
Type of gen. func.: ogf

$$\frac{6 x^2 (2 x + 1)}{(x - 1)^4}$$

Sequence: A270218
Score: 2.35116
Type of gen. func.: ogf

$(155 f(x) - 267)$

$$(8 f(x) x^3 - 14 f(x) x^2 - 8 x^3 + 7 f(x) x + 14 x^2 - f(x) - 3 x + 1)$$

Sequence: A270218
Score: 4.13937
Type of gen. func.: ogf

$$\frac{8 x^3 - 14 x^2 + 3 x - 1}{(2 x - 1) (4 x - 1) (x - 1)}$$

Sequence: A270222
Score: 2.27825
Type of gen. func.: ogf

(13107 f(x) - 25816)

$$(8 f(x) x^3 - 14 f(x) x^2 - 8 x^3 + 7 f(x) x + 12 x^2 - f(x) - 2 x + 1)$$

Sequence: A270222
Score: 4.13937
Type of gen. func.: ogf

$$\frac{8 x^3 - 12 x^2 + 2 x - 1}{(2 x - 1) (4 x - 1) (x - 1)}$$

Sequence: A270229
Score: 9.64099
Type of gen. func.: lgdegf]

$$- \frac{-x^3 + 2 x^2 - x - 2}{x^3 - x^2 - x + 1}$$

Sequence: A270239
Score: 6.57718
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^5 + 6 x^4 - 15 x^3 + 20 x^2 - 15 x + 6}{-x^6 + 6 x^5 - 15 x^4 + 20 x^3 - 15 x^2 + 6 x - 1}$$

Sequence: A270241
Score: 7.74422
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{(x-2)\,(x^2-2\,x+2)\,(x^4-4\,x^3+6\,x^2-4\,x+2)}{(x-1)^8}$$

Sequence: A270242
Score: 7.48032
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{(x^2-3\,x+3)\,(x^6-6\,x^5+15\,x^4-21\,x^3+18\,x^2-9\,x+3)}{(x-1)^9}$$

Sequence: A270243
Score: 6.38805
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{(x-2)\,(x^4-3\,x^3+4\,x^2-2\,x+1)\,(x^4-5\,x^3+10\,x^2-10\,x+5)}{(x-1)^{10}}$$

Sequence: A270257
Score: 17.8279
Type of gen. func.: ogf

$$-\frac{12\,x}{(x+1)\,(x-1)^3}$$

Sequence: A270257
Score: 18.6382
Type of gen. func.: lgdogf

$$-\frac{-4\,x-2}{2}$$

$$-x + 1$$

Sequence: A270257
Score: 38.8333
Type of gen. func.: ogf_with_Euler_transform]

$$[2 + x]$$

Sequence: A270257
Score: 6.07468
Type of gen. func.: ogf

$$\{(n + 2) a(n + 3) - 2 a(n + 2) + (-4 - n) a(n + 1), a(0) = 0, a(1) = 12, a(2) = 24\}$$

Sequence: A270257
Score: 7.8854
Type of gen. func.: ogf

$$-(f(x) - 2) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x - f(x) + 12 x)$$

Sequence: A270258
Score: 3.86738
Type of gen. func.: ogf

$$\frac{6 x (207 x^6 + 418 x^5 + 965 x^4 + 724 x^3 + 449 x^2 + 106 x + 11)}{(x + 1)^4 (x - 1)^6}$$

Sequence: A270272
Score: 3.59123
Type of gen. func.: ogf

$$\frac{x^6 + 54 x^5 + 405 x^4 + 760 x^3 + 405 x^2 + 54 x + 1}{(x - 1)^{10}}$$

Sequence: A270272
Score: 4.34994
Type of gen. func.: ogf

$$\{(n^3 + 15 n^2 + 75 n + 125) a(n + 1) + (-n^3 - 6 n^2 - 12 n - 8) a(n + 2),$$

$$a(0) = 1, a(1) = 64\}$$

Sequence: A270287
Score: 3.67369
Type of gen. func.: ogf

$$-\frac{6 x^4 - 19 x^3 + 18 x^2 - 3 x + 1}{(2 x - 1) (4 x - 1) (x - 1)}$$

Sequence: A270296
Score: 11.4592
Type of gen. func.: lgdogf

$$-\frac{x^3 + 3 x^2 + 6 x + 2}{x^4 + x^3 - x - 1}$$

Sequence: A270296
Score: 12.8917
Type of gen. func.: ogf

$$\frac{20 (x^2 + x + 1)}{(x + 1) (x - 1)^2}$$

Sequence: A270296
Score: 32.8278
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 + x + 2$$

Sequence: A270296
Score: 7.11264
Type of gen. func.: ogf

$$(f(x) + 172)\,(f(x)\,x^3 - f(x)\,x^2 - f(x)\,x - 20\,x^2 + f(x) - 20\,x - 20)$$

Sequence: A270296
Score: 7.17449
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n),\ a(0) = 20,\ a(1) = 40,\ a(2) = 80\}$$

Sequence: A270297
Score: 7.08036
Type of gen. func.: ogf

$$\frac{28\,(x^8 + x^7 + 2\,x^6 + 3\,x^5 + x^4 + 3\,x^3 + 2\,x^2 + x + 1)}{(x^4 + 1)\,(x + 1)\,(x^2 + 1)\,(x - 1)^2}$$

Sequence: A270307
Score: 5.12461
Type of gen. func.: ogf

$$-(247\,f(x) - 970)$$

$$(2\,f(x)\,x^4 + 4\,f(x)\,x^3 + 2\,f(x)\,x^2 + 4\,x^3 - f(x)\,x + 8\,x^2 - f(x) + 4\,x + 1)$$

Sequence: A270307
Score: 9.65023
Type of gen. func.: ogf

$$-\frac{4\,x^3 + 8\,x^2 + 4\,x + 1}{(x + 1)\,(2\,x^3 + 2\,x^2 - 1)}$$

Sequence: A270346
Score: 9.99983
Type of gen. func.: ogf

$$\frac{7 x^3 + 5 x^2 + 3 x + 2}{(x - 1) (11 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A270363
Score: 3.94002
Type of gen. func.: ogf

$$-4 f(x)^2 x^4 + f(x)^2 x^3 + 4 f(x)^2 x^2 - 12 f(x) x^3 - 5 f(x)^2 x + 3 f(x) x^2 + f(x)^2 + 4 f(x) x - 9 x^2 - f(x) + 2 x$$

Sequence: A270369
Score: 15.0196
Type of gen. func.: ogf

$$-9 f(x) x + f(x) + 7 x - 1$$

Sequence: A270369
Score: 17.7864
Type of gen. func.: lgdogf

$$-\frac{2}{-63 x^2 + 16 x - 1}$$

Sequence: A270369
Score: 18.2671
Type of gen. func.: ogf

$$\frac{7 x - 1}{9 x - 1}$$

Sequence: A270369
Score: 9.38726
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 2\}$$

Sequence: A270374
Score: 5.51158
Type of gen. func.: ogf

$$-(f(x) - 2) (f(x) x - f(x) + 2)^2$$

Sequence: A270386
Score: 3.25056
Type of gen. func.: ogf

$$\{(31 n^2 + 31 n) a(n) + (-66 n^2 - 227 n - 161) a(n + 1) + (39 n^2 + 226 n + 322) a(n + 2) + (-4 n^2 - 30 n - 56) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 9\}$$

Sequence: A270386
Score: 5.66897
Type of gen. func.: ogf

$$-f(x)^3 x^2 - 2 f(x)^2 x^2 + 2 f(x)^2 x - f(x) x^2 + 2 f(x) x + x^2 - f(x) - 2 x + 1$$

Sequence: A270444
Score: 13.9135
Type of gen. func.: ogf

$$\frac{2 (2 x + 1)}{4 x^2 - 8 x + 1}$$

Sequence: A270444
Score: 7.03492
Type of gen. func.: ogf

$$(168 f(x) + 289) (4 f(x) x^2 - 8 f(x) x + f(x) - 4 x - 2)$$

Sequence: A270444
Score: 7.54347
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 4 a(n), a(0) = 2, a(1) = 20\}$$

Sequence: A270444
Score: 9.48648
Type of gen. func.: lgdogf

$$-\frac{8 x^{2} + 8 x - 10}{8 x^{3} - 12 x^{2} - 6 x + 1}$$

Sequence: A270445
Score: 13.2813
Type of gen. func.: ogf

$$\frac{2 (4 x + 1)}{16 x^{2} - 12 x + 1}$$

Sequence: A270445
Score: 6.85957
Type of gen. func.: ogf

$$(105 f(x) + 302) (16 f(x) x^{2} - 12 f(x) x + f(x) - 8 x - 2)$$

Sequence: A270445
Score: 7.34378
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n + 1) - 16 a(n), a(0) = 2, a(1) = 32\}$$

Sequence: A270445
Score: 9.04668
Type of gen. func.: lgdogf

$$-\frac{-64 x^{2} - 32 x + 16}{}$$

$$-64 x^3 + 32 x^2 + 8 x - 1$$

Sequence: A270454
Score: 9.16740
Type of gen. func.: ogf

$$-\frac{x^5 + x^4 + 18 x^3 + 6 x^2 + 5 x + 1}{(x + 1)^3 (x - 1)^3}$$

Sequence: A270455
Score: 6.98053
Type of gen. func.: ogf

$$\frac{x^5 + x^4 + 18 x^3 + 6 x^2 + 5 x + 1}{(x + 1)^3 (x - 1)^4}$$

Sequence: A270456
Score: 9.09884
Type of gen. func.: lgdogf

$$-\frac{15 x^3 + 3 x^2 + 13 x + 1}{5 x^4 + 2 x^3 - 4 x^2 - 2 x - 1}$$

Sequence: A270456
Score: 9.56545
Type of gen. func.: ogf

$$\frac{4 (5 x^2 + 2 x + 1)}{(x - 1)^2 (x + 1)^3}$$

Sequence: A270471
Score: 15.5239
Type of gen. func.: ogf

```
                           -7 f(x) x + f(x) + 3 x - 1



------------------------------------------------------------------------------

Sequence:  A270471
Score: 18.3836
Type of gen. func.: lgdogf


                                        4
                              - -----------------
                                     2
                                -21 x  + 10 x - 1



------------------------------------------------------------------------------

Sequence:  A270471
Score: 18.8804
Type of gen. func.: ogf


                                    3 x - 1
                                    -------
                                    7 x - 1



------------------------------------------------------------------------------

Sequence:  A270471
Score: 9.70243
Type of gen. func.: ogf


                  {a(n + 2) - 7 a(n + 1), a(0) = 1, a(1) = 4}



------------------------------------------------------------------------------

Sequence:  A270472
Score: 15.8315
Type of gen. func.: ogf


                           -9 f(x) x + f(x) + 2 x - 1



------------------------------------------------------------------------------

Sequence:  A270472
Score: 18.7478
Type of gen. func.: lgdogf


                                        7
                              - -----------------
                                     2
                                -18 x  + 11 x - 1



------------------------------------------------------------------------------

Sequence:  A270472
```

Score: 19.2545
Type of gen. func.: ogf

$$\frac{2 x - 1}{9 x - 1}$$

Sequence: A270472
Score: 9.89469
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 7\}$$

Sequence: A270473
Score: 15.4932
Type of gen. func.: ogf

$$-9 f(x) x + f(x) + 5 x - 1$$

Sequence: A270473
Score: 18.3472
Type of gen. func.: lgdogf

$$-\frac{4}{-45 x^2 + 14 x - 1}$$

Sequence: A270473
Score: 18.8431
Type of gen. func.: ogf

$$\frac{5 x - 1}{9 x - 1}$$

Sequence: A270473
Score: 9.68326
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1), a(0) = 1, a(1) = 4\}$$

Sequence: A270510
Score: 11.8294
Type of gen. func.: lgdogf

$$-\frac{6 x^3 + 6 x^2 + 10 x + 2}{3 x^4 - 2 x^2 - 1}$$

Sequence: A270510
Score: 14.3199
Type of gen. func.: ogf

$$-\frac{3 (3 x^2 + 1)}{(x + 1) (x - 1)^3}$$

Sequence: A270510
Score: 7.28778
Type of gen. func.: ogf

$$(268 f(x) - 2049) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x + 9 x^2 - f(x) + 3)$$

Sequence: A270511
Score: 3.60973
Type of gen. func.: ogf

$$3 (161 x^8 + 406 x^7 + 1348 x^6 + 1386 x^5 + 1482 x^4 + 666 x^3 + 268 x^2 + 38 x + 5) \Big/ ((x + 1)^4 (x - 1)^6)$$

Sequence: A270545
Score: 10.9697
Type of gen. func.: lgdogf

$$-\frac{x^3 - 3 x^2 - 6 x - 4}{-x^4 - x^3 + x + 1}$$

Sequence: A270545
Score: 12.9478
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + x + 1)}{(x - 1)^2}$$

Sequence: A270545
Score: 31.4447
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2 - x + 4$$

Sequence: A270545
Score: 6.86798
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) + a(n + 2), a(0) = 1, a(1) = 4, a(2) = 9, a(3) = 15\}$$

Sequence: A270545
Score: 7.38148
Type of gen. func.: ogf

$$-(128 f(x) - 9) (f(x) x^2 - x^3 - 2 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A270567
Score: 10.5052
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1), a(0) = 1, a(1) = 9\}$$

Sequence: A270567
Score: 16.8084
Type of gen. func.: ogf

$$-5 f(x) x + f(x) - 4 x - 1$$

Sequence: A270567
Score: 20.4426
Type of gen. func.: ogf

$$-\frac{4x+1}{5x-1}$$

Sequence: A270567
Score: 20.4426
Type of gen. func.: lgdogf

$$-\frac{9}{20x^2+x-1}$$

Sequence: A270568
Score: 15.4256
Type of gen. func.: ogf

$$-8 f(x) x + f(x) - 4 x - 1$$

Sequence: A270568
Score: 18.2671
Type of gen. func.: lgdogf

$$-\frac{12}{32x^2+4x-1}$$

Sequence: A270568
Score: 18.7608
Type of gen. func.: ogf

$$-\frac{4x+1}{8x-1}$$

Sequence: A270568
Score: 9.50892

Type of gen. func.: ogf

$$\{a(n+2) - 8 a(n+1), a(0) = 1, a(1) = 12\}$$

Sequence: A270569
Score: 6.77802
Type of gen. func.: ogf

$$-\frac{4 x^{10} - 8 x^{8} + 3 x^{7} + 4 x^{6} + 3 x^{5} - 3 x^{4} + 21 x^{3} + 2 x^{2} + 5 x + 1}{(x+1)^{3} (x-1)^{3}}$$

Sequence: A270572
Score: 7.24580
Type of gen. func.: ogf

$$-(x^{14} - 2 x^{13} + x^{12} + 3 x^{11} - x^{10} - 3 x^{8} + 2 x^{7} + 2 x^{6} - x^{5} - x^{3} + 2 x^{2} - x - 3) \Big/ ((x^{2} + x + 1) (x^{2} - x + 1) (x - 1)^{2} (x + 1)^{2})$$

Sequence: A270576
Score: 10.3645
Type of gen. func.: ogf

$$\{a(n+2) - 6 a(n+1), a(0) = 1, a(1) = 8\}$$

Sequence: A270576
Score: 16.5833
Type of gen. func.: ogf

$$-6 f(x) x + f(x) - 2 x - 1$$

Sequence: A270576
Score: 20.1688
Type of gen. func.: ogf

$$-\frac{2 x + 1}{6 x - 1}$$

Sequence: A270576
Score: 20.1688
Type of gen. func.: lgdogf

$$-\frac{8}{12x^2+4x-1}$$

Sequence: A270577
Score: 3.31598
Type of gen. func.: ogf

$$\{(128n^3+576n^2+856n+420)\,a(n+1)$$

$$+(-2n^3-13n^2-28n-20)\,a(n+2),\ a(0)=1,\ a(1)=4\}$$

Sequence: A270607
Score: 5.76516
Type of gen. func.: ogf

$$-(26f(x)+141)$$

$$(f(x)x^4-2f(x)x^3+18x^4-24x^3+2f(x)x+36x^2-f(x)-12x+6)$$

Sequence: A270607
Score: 7.79992
Type of gen. func.: lgdogf

$$-\frac{2x^4+16x^3-6x^2+12x}{3x^6-4x^5+3x^4+2x^3-5x^2+2x-1}$$

Sequence: A270607
Score: 9.82212
Type of gen. func.: ogf

$$-\frac{6(3x^4-4x^3+6x^2-2x+1)}{{}^{3}}$$

$$(x + 1) (x - 1)$$

Sequence: A270640
Score: 6.34328
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{11} + x^{10} - x^{9} + 2 x^{8} - x^{7} + x^{6} + x^{4} - x^{3} + 2 x^{2} - x + 1}{x^{12} - 1}$$

Sequence: A270660
Score: 10.8140
Type of gen. func.: ogf

$$-\frac{2 (x^{12} - x^{11} + x^{7} - x^{6} + 2 x^{5} - x^{4} - x^{3} + 2 x^{2} + 3 x - 6)}{(x - 1)^{2}}$$

Sequence: A270681
Score: 8.25010
Type of gen. func.: ogf

$$\frac{x^{6} + 5 x^{4} - 4 x^{3} - 5 x^{2} - 4 x - 1}{(x + 1)^{2} (x - 1)^{3}}$$

Sequence: A270682
Score: 2.07431
Type of gen. func.: ogf

$$(4284 f(x) - 2353)$$

$$(8 f(x) x^{3} - 8 x^{4} - 14 f(x) x^{2} - 18 x^{3} + 7 f(x) x + 3 x^{2} - f(x) - 2 x + 1)$$

Sequence: A270682
Score: 3.54471
Type of gen. func.: ogf

4 3 2

$$\frac{8 x + 18 x - 3 x + 2 x - 1}{(2 x - 1) (4 x - 1) (x - 1)}$$

Sequence: A270683
Score: 7.60310
Type of gen. func.: ogf

$$-\frac{x^6 + 5 x^4 - 4 x^3 - 5 x^2 - 4 x - 1}{(x + 1)^2 (x - 1)^4}$$

Sequence: A270684
Score: 11.2135
Type of gen. func.: ogf

$$-\frac{x^5 + 6 x^3 - 4 x^2 - 7 x - 4}{(x - 1)^2 (x + 1)^2}$$

Sequence: A270693
Score: 11.6199
Type of gen. func.: ogf

$$-\frac{x^2 - 23 x + 1}{(x - 1) (x + 1)^3}$$

Sequence: A270693
Score: 5.6727
Type of gen. func.: ogf

$$-(131284 f(x) - 3220749)$$

$$(f(x) x^4 + 2 f(x) x^3 - 2 f(x) x + x^2 - f(x) - 23 x + 1)$$

Sequence: A270693
Score: 9.35627
Type of gen. func.: lgdogf

$$-\frac{2x^3-71x^2+52x-25}{x^4-23x^3+23x-1}$$

Sequence: A270694
Score: 8.54831
Type of gen. func.: ogf

$$\frac{x(x^2-5x+1)}{(x-1)(x+1)^4}$$

Sequence: A270694
Score: 9.35693
Type of gen. func.: lgdogf

$$-\frac{3x^3-23x^2+22x-8}{x^4-5x^3+5x-1}$$

Sequence: A270695
Score: 5.18081
Type of gen. func.: ogf

$$-\frac{x(286x^9+693x^8+161x^7-685x^6-455x^5-x^2+6x-1)}{(x-1)(x+1)^4}$$

Sequence: A270700
Score: 15.0808
Type of gen. func.: lgdogf

$$-\frac{-5x-7}{-x^3-2x^2+x+2}$$

Sequence: A270700

Score: 15.3550
Type of gen. func.: ogf

$$\frac{6 (2 + x) (x + 1)}{(x - 1)^2}$$

Sequence: A270700
Score: 8.04310
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 12, a(1) = 42, a(2) = 78\}$$

Sequence: A270700
Score: 8.79714
Type of gen. func.: ogf

$$(2 f(x) + 25) (f(x) x^2 - 2 f(x) x - 6 x^2 + f(x) - 18 x - 12)$$

Sequence: A270704
Score: 13.5954
Type of gen. func.: ogf

$$- \frac{2 x (17 x + 7)}{(x - 1)^3}$$

Sequence: A270704
Score: 15.4256
Type of gen. func.: lgdogf

$$- \frac{-34 x - 38}{-17 x^2 + 10 x + 7}$$

Sequence: A270704
Score: 6.62919
Type of gen. func.: ogf

$$(733536 f(x) - 11234431) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 34 x^2 - f(x) + 14 x)$$

Sequence: A270704
Score: 7.09850
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 0,\ a(1) = 14,\ a(2) = 76\}$$

Sequence: A270708
Score: 5.57548
Type of gen. func.: ogf

$$\frac{x^3\,(x^9 - x^8 - 6\,x^5 + 6\,x^4 - 3\,x - 1)}{(x - 1)\,(x^2 + 1)\,(x^4 + 2\,x^2 - 1)\,(x^4 - 2\,x^2 - 1)}$$

Sequence: A270709
Score: 7.91555
Type of gen. func.: ogf

$$-f(x)^2\,x^2 - f(x)^2\,x - 9\,x^3 + 3\,f(x)\,x - 12\,x^2 + 2\,f(x) - 4\,x$$

Sequence: A270710
Score: 17.2110
Type of gen. func.: ogf

$$-\frac{7\,x - 1}{(x - 1)^3}$$

Sequence: A270710
Score: 18.6160
Type of gen. func.: lgdogf

$$-\frac{-14\,x - 4}{-7\,x^2 + 8\,x - 1}$$

Sequence: A270710
Score: 8.07243
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = -1,\ a(1) = 4,\ a(2) = 15\}$$

Sequence: A270710
Score: 8.36866
Type of gen. func.: ogf

$$(1620\,f(x) - 5849)\,(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x - f(x) + 7\,x - 1)$$

Sequence: A270715
Score: 11.6626
Type of gen. func.: ogf

$$-\frac{x^{2} - x - 1}{(x - 1)\,(x^{3} + x^{2} + x - 1)}$$

Sequence: A270715
Score: 6.37235
Type of gen. func.: ogf

$$(132\,f(x) + 191)\,(f(x)\,x^{4} - 2\,f(x)\,x + x^{2} + f(x) - x - 1)$$

Sequence: A270737
Score: 11.3153
Type of gen. func.: ogf

$$\frac{x^{2} - x - 1}{x^{6} + 2\,x^{5} + 2\,x - 1}$$

Sequence: A270740
Score: 5.02762
Type of gen. func.: ogf

4   3

$$-\frac{x\,(2\,x - x + x + 1)}{(x - 1)\,(x^{6} + x^{3} + 1)}$$

Sequence: A270743
Score: 12.3825
Type of gen. func.: ogf

$$-\frac{x^{3} - 2\,x^{2} - x - 1}{(x^{2} + x + 1)^{2}\,(x - 1)^{2}}$$

Sequence: A270752
Score: 10.5804
Type of gen. func.: ogf_with_Euler_transform]

$$1/2 + \frac{(1044\,x^{7} + 1)^{1/2}}{2}$$

Sequence: A270752
Score: 11.6119
Type of gen. func.: ogf

$$(f(x)\,x - f(x) + 1)^{2}$$

Sequence: A270765
Score: 13.8685
Type of gen. func.: lgdegf]

$$\exp(x) + \frac{2\,x + 3}{x + 1}$$

Sequence: A270785
Score: 4.98688
Type of gen. func.: ogf

$$-f(x)^{2}\,x^{4} - 4\,f(x)^{2}\,x^{3} + 9\,f(x)^{2}\,x^{2} + 2\,f(x)\,x^{3} - 6\,f(x)^{2}\,x - 2\,f(x)\,x^{2} + f(x)^{2}$$

$$- x^2 + 2 x - 1$$

Sequence: A270786
Score: 4.31002
Type of gen. func.: ogf

$$f(x)^2 x^4 + 8 f(x)^2 x^3 - 19 f(x)^2 x^2 - 2 f(x) x^3 + 13 f(x)^2 x + 3 f(x) x^2$$
$$- 2 f(x)^2 - 2 f(x) x + x^2 + f(x) - 2 x + 1$$

Sequence: A270787
Score: 4.68365
Type of gen. func.: ogf

$$-f(x)^2 x^4 - 14 f(x)^2 x^3 + 33 f(x)^2 x^2 + 2 f(x) x^3 - 22 f(x)^2 x - 4 f(x) x^2$$
$$+ 3 f(x)^2 + 4 f(x) x - x^2 - 2 f(x) + 2 x - 1$$

Sequence: A270797
Score: 13.3471
Type of gen. func.: ogf

$$- \frac{x (2 x^2 - 4 x - 1)}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A270797
Score: 8.14175
Type of gen. func.: ogf

$$(88 f(x) + 131) (4 f(x) x^4 - 5 f(x) x^2 + 2 x^3 - 4 x^2 + f(x) - x)$$

Sequence: A270809
Score: 10.3186
Type of gen. func.: lgdogf

$$- \frac{-3 x^3 + 9 x^2 - 3 x + 1}{}$$

$$-3 x^4 + 12 x^3 - 16 x^2 + 9 x - 2$$

Sequence: A270809
Score: 10.7105
Type of gen. func.: ogf

$$-\frac{2 (x - 2) (3 x^2 - 3 x + 1)}{(x - 1)^4}$$

Sequence: A270809
Score: 4.57367
Type of gen. func.: ogf

$$\{(11 n^2 + 57 n + 70) a(n + 1) + (-26 n^2 - 120 n - 124) a(n + 2)$$
$$+ (15 n^2 + 51 n + 18) a(n + 3), a(0) = 4, a(1) = 2, a(2) = 2\}$$

Sequence: A270809
Score: 5.79541
Type of gen. func.: ogf

$$-(17 f(x) + 146) ($$
$$f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 6 x^3 - 4 f(x) x - 18 x^2 + f(x) + 14 x - 4$$
$$)$$

Sequence: A270810
Score: 13.0180
Type of gen. func.: ogf

$$\frac{x (2 x^3 + 2 x^2 - x + 1)}{(2 x - 1) (x - 1)}$$

Sequence: A270810
Score: 4.33935
Type of gen. func.: ogf

{(2 n - 2) a(n + 1) + (n + 5) a(n + 2) + (-5 n - 4) a(n + 3)

+ (2 n + 1) a(n + 4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 6}

Sequence: A270810
Score: 7.69248
Type of gen. func.: ogf

$$-(11 f(x) + 6) (-2 x^4 + 2 f(x) x^2 - 2 x^3 - 3 f(x) x + x^2 + f(x) - x)$$

Sequence: A270810
Score: 9.09863
Type of gen. func.: lgdogf

$$-\frac{-4 x^4 + 12 x^3 - 2 x^2 - 2}{4 x^5 - 2 x^4 - 6 x^3 + 7 x^2 - 4 x + 1}$$

Sequence: A270823
Score: 6.29439
Type of gen. func.: ogf

$$-\frac{x (x^9 + 2 x^8 - x^5 + x^3 + x + 2)}{(x - 1) (x^2 + 1) (x^8 + 1)}$$

Sequence: A270824
Score: 8.76971
Type of gen. func.: ogf

$$-\frac{x (x^7 - x^6 + x^4 + 2 x^3 - x^2 + 1)}{(x - 1) (x^8 + 1)}$$

Sequence: A270841
Score: 11.3671
Type of gen. func.: ogf

$$\frac{5 x^3 - 15 x^2 + 16 x - 5}{(2 x - 1) (x - 1)^2}$$

Sequence: A270841
Score: 6.11412
Type of gen. func.: ogf

$$\{a(n + 4) - 4 a(n + 3) + 5 a(n + 2) - 2 a(n + 1), a(0) = 5, a(1) = 4, a(2) = 6, a(3) = 9\}$$

Sequence: A270841
Score: 6.45651
Type of gen. func.: ogf

$$-(f(x) - 5) (2 f(x) x^3 - 5 f(x) x^2 - 5 x^3 + 4 f(x) x + 15 x^2 - f(x) - 16 x + 5)$$

Sequence: A270841
Score: 8.49541
Type of gen. func.: lgdogf

$$- \frac{-5 x^3 + 19 x^2 - 16 x + 4}{10 x^5 - 45 x^4 + 82 x^3 - 73 x^2 + 31 x - 5}$$

Sequence: A270851
Score: 11.1927
Type of gen. func.: ogf

$$- \frac{6 x^2 (3 x^2 + 2 x + 1)}{(x + 1) (x - 1)^3}$$

Sequence: A270851
Score: 6.40871
Type of gen. func.: ogf

4 3 4 3 2

$$(189 f(x) + 11) (f(x) x - 2 f(x) x + 18 x + 12 x + 2 f(x) x + 6 x - f(x))$$

Sequence: A270851
Score: 9.69122
Type of gen. func.: lgdogf

$$- \frac{6 x^3 + 12 x^2 + 14 x + 4}{3 x^4 + 2 x^3 - 2 x^2 - 2 x - 1}$$

Sequence: A270863
Score: 10.9025
Type of gen. func.: ogf

$$- \frac{x (x^2 + x - 1)}{x^4 + 3 x^3 - x^2 - 3 x + 1}$$

Sequence: A270863
Score: 5.98406
Type of gen. func.: ogf

$$(5 f(x) - 2) (f(x) x^4 + 3 f(x) x^3 - f(x) x^2 + x^3 - 3 f(x) x + x^2 + f(x) - x)$$

Sequence: A270863
Score: 7.36927
Type of gen. func.: lgdogf

$$- \frac{-2 x^5 - 6 x^4 - 2 x^3 + 7 x^2 - 2}{-x^6 - 4 x^5 - x^4 + 7 x^3 + x^2 - 4 x + 1}$$

Sequence: A270867
Score: 10.0594
Type of gen. func.: lgdogf

$$- \frac{-2 x^3 - 4 x^2 - 10 x - 8}{}$$

$$-2 x^4 + 3 x^3 - 5 x^2 + 3 x + 1$$

Sequence: A270867
Score: 10.5820
Type of gen. func.: ogf

$$\frac{2 x^3 - x^2 + 4 x + 1}{(x - 1)^4}$$

Sequence: A270867
Score: 4.33411
Type of gen. func.: ogf

$$\{(5 n^2 - 49 n - 118) a(n + 1) + (54 n^2 + 537 n + 866) a(n + 2)$$
$$+ (-59 n^2 - 296 n - 357) a(n + 3), a(0) = 1, a(1) = 8, a(2) = 25\}$$

Sequence: A270867
Score: 5.73811
Type of gen. func.: ogf

$$(1728 f(x) + 545)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 2 x^3 - 4 f(x) x + x^2 + f(x) - 4 x - 1)$$

Sequence: A270868
Score: 7.71835
Type of gen. func.: lgdogf

$$- \frac{-x^4 + 22 x^3 + 30 x^2 + 46 x + 23}{-x^5 + 14 x^4 - 16 x^3 + 16 x^2 - 11 x - 2}$$

Sequence: A270868
Score: 8.27534
Type of gen. func.: ogf

$$\frac{x^4 - 13 x^3 + 3 x^2 - 13 x - 2}{(x - 1)^5}$$

Sequence: A270869
Score: 6.45708
Type of gen. func.: ogf

$$\frac{3 (3 x^5 - 9 x^4 + 36 x^3 - 8 x^2 + 17 x + 1)}{(x - 1)^6}$$

Sequence: A270870
Score: 5.36988
Type of gen. func.: ogf

$$\frac{21 x^6 - 158 x^5 + 207 x^4 - 694 x^3 + 89 x^2 - 180 x - 5}{(x - 1)^7}$$

Sequence: A270871
Score: 4.62570
Type of gen. func.: ogf

$$\frac{73 x^7 - 450 x^6 + 1897 x^5 - 1012 x^4 + 4171 x^3 - 274 x^2 + 627 x + 8}{(x - 1)^8}$$

Sequence: A270872
Score: 3.91402
Type of gen. func.: ogf

$$(226 x^8 - 1909 x^7 + 4997 x^6 - 19271 x^5 + 1091 x^4 - 23875 x^3 + 595 x^2 - 2161 x - 13) / (x - 1)^9$$

Sequence: A270873
Score: 3.21692
Type of gen. func.: ogf

$$(754 x^9 - 6565 x^8 + 30660 x^7 - 30698 x^6 + 187124 x^5 + 41496 x^4 + 132820 x^3 - 190 x^2 + 7458 x + 21) \Big/ (x - 1)^{10}$$

Sequence: A270879
Score: 10.6033
Type of gen. func.: ogf

$$- \frac{x (4 x^3 + 1)}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + 2 x - 1)}$$

Sequence: A270889
Score: 13.8620
Type of gen. func.: ogf

$$- \frac{3 (2 x^2 - 5 x + 1)}{(x - 1) (x^2 - 6 x + 1)}$$

Sequence: A270889
Score: 7.34564
Type of gen. func.: ogf

$$(1336 f(x) + 267) (f(x) x^3 - 7 f(x) x^2 + 7 f(x) x + 6 x^2 - f(x) - 15 x + 3)$$

Sequence: A270889
Score: 7.60567
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) - 7 a(n + 1) + a(n), a(0) = 3, a(1) = 6, a(2) = 27\}$$

Sequence: A270889
Score: 8.34409

Type of gen. func.: lgdogf

$$-\frac{-2x^4+10x^3-24x^2+10x-2}{-2x^5+19x^4-50x^3+44x^2-12x+1}$$

Sequence: A270934
Score: 7.73194
Type of gen. func.: ogf

$$-\frac{5x^8-4x^7-7x^6+8x^5+20x^3+x^2+8x+1}{(x+1)^3(x-1)^3}$$

Sequence: A270935
Score: 2.12368
Type of gen. func.: ogf

$$-(2299 f(x) - 43682)$$

$$(8 f(x) x^3 - 32 x^4 - 14 f(x) x^2 + 16 x^3 + 7 f(x) x + 2 x^2 - f(x) + x + 1)$$

Sequence: A270935
Score: 3.74300
Type of gen. func.: ogf

$$\frac{32x^4-16x^3-2x^2-x-1}{(2x-1)(4x-1)(x-1)}$$

Sequence: A270936
Score: 6.11897
Type of gen. func.: ogf

$$\frac{5x^8-4x^7-7x^6+8x^5+20x^3+x^2+8x+1}{(x+1)^3(x-1)^4}$$

Sequence: A270937
Score: 6.24742
Type of gen. func.: ogf

$$\frac{5 x^7 - 4 x^6 - 7 x^5 + 7 x^4 - x^3 + 22 x^2 + 3 x + 7}{(x - 1)^2 (x + 1)^3}$$

Sequence: A270993
Score: 11.5151
Type of gen. func.: lgdogf

$$- \frac{3661543 x + 18708077}{3661543 x^2 + 3861724 x - 7523267}$$

Sequence: A270993
Score: 15.9595
Type of gen. func.: ogf

$$\frac{3661543 x + 7523267}{(x - 1)^2}$$

Sequence: A270993
Score: 7.70925
Type of gen. func.: ogf

$$(22369620 f(x) + 181699521089389)$$

$$(f(x) x^2 - 2 f(x) x + f(x) - 3661543 x - 7523267)$$

Sequence: A270993
Score: 9.57569
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 7523267, a(1) = 18708077\}$$

Sequence: A270994
Score: 10.9722
Type of gen. func.: lgdogf

$$-\frac{1730681 x + 20638939}{1730681 x^2 + 7723448 x - 9454129}$$

Sequence: A270994
Score: 15.2071
Type of gen. func.: ogf

$$\frac{1730681 x + 9454129}{(x - 1)^2}$$

Sequence: A270994
Score: 7.34581
Type of gen. func.: ogf

$$(22369620 f(x) + 214480529884741)$$

$$(f(x) x^2 - 2 f(x) x + f(x) - 1730681 x - 9454129)$$

Sequence: A270994
Score: 9.12427
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 9454129, a(1) = 20638939\}$$

Sequence: A271004
Score: 6.27292
Type of gen. func.: ogf

$$\frac{4 x^{11} - 8 x^9 + 3 x^8 + 4 x^7 + 3 x^6 - 4 x^5 - 4 x^4 - 20 x^3 - x^2 - 8 x - 1}{(x + 1)^3 (x - 1)^3}$$

Sequence: A271005
Score: 2.58138
Type of gen. func.: ogf

$$(5156 f(x) + 5063)$$

$$(-32 x^4 + 8 f(x) x^2 - 8 x^3 - 6 f(x) x - 4 x^2 + f(x) - 2 x - 1)$$

Sequence: A271005
Score: 4.27771
Type of gen. func.: ogf

$$\frac{32 x^4 + 8 x^3 + 4 x^2 + 2 x + 1}{(4 x - 1) (2 x - 1)}$$

Sequence: A271006
Score: 5.20418
Type of gen. func.: ogf

$$- \frac{4 x^{11} - 8 x^9 + 3 x^8 + 4 x^7 + 3 x^6 - 4 x^5 - 4 x^4 - 20 x^3 - x^2 - 8 x - 1}{(x + 1)^3 (x - 1)^4}$$

Sequence: A271007
Score: 5.40499
Type of gen. func.: ogf

$$- \frac{4 x^{10} - 8 x^8 + 3 x^7 + 4 x^6 + 3 x^5 - 3 x^4 - 3 x^3 - 22 x^2 - 3 x - 7}{(x - 1)^2 (x + 1)^3}$$

Sequence: A271017
Score: 2.85335
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 5, a(2) = 41\}$$

Sequence: A271017
Score: 3.1945
Type of gen. func.: ogf

$$(57 f(x) - 32) (4 f(x) x^2 - 5 f(x) x - 20 x^2 + f(x) - 1)$$

Sequence: A271017
Score: 5.87790
Type of gen. func.: ogf

$$\frac{20 x^{2} + 1}{(4 x - 1) (x - 1)}$$

Sequence: A271027
Score: 10.9722
Type of gen. func.: lgdogf

$$- \frac{-7523281 x - 14846339}{-7523281 x^{2} + 3861752 x + 3661529}$$

Sequence: A271027
Score: 15.2071
Type of gen. func.: ogf

$$\frac{7523281 x + 3661529}{(x - 1)^{2}}$$

Sequence: A271027
Score: 7.34581
Type of gen. func.: ogf

$$(22369620 f(x) + 138506769353941)$$

$$(f(x) x^{2} - 2 f(x) x + f(x) - 7523281 x - 3661529)$$

Sequence: A271027
Score: 9.12427
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 3661529, a(1) = 14846339\}$$

Sequence: A271035
Score: 14.3683
Type of gen. func.: lgdogf

$$-\frac{6 x + 36}{x^2 + 4 x - 5}$$

Sequence: A271035
Score: 4.51313
Type of gen. func.: ogf

$\{(-5 n - 15) a(n + 3) + (44 + 4 n) a(n + 2) + (7 + n) a(n + 1), a(0) = 10,$

$a(1) = 72, a(2) = 294\}$

Sequence: A271035
Score: 7.82276
Type of gen. func.: ogf

$$-\frac{2 (x + 5)}{(x - 1)^7}$$

Sequence: A271036
Score: 4.29243
Type of gen. func.: ogf

$$-\frac{2 (x^3 + 17 x^2 + 38 x + 17)}{(x - 1)^{11}}$$

Sequence: A271036
Score: 7.34482
Type of gen. func.: lgdogf

$$-\frac{-8 x^3 - 156 x^2 - 414 x - 225}{-x^4 - 16 x^3 - 21 x^2 + 21 x + 17}$$

Sequence: A271040
Score: 28.3715
Type of gen. func.: lgdogf

$$\frac{7}{-x+1}$$

Sequence: A271040
Score: 4.99624
Type of gen. func.: ogf

{(-4 + n) a(n + 2) + (-n - 2) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0,

a(4) = 0, a(5) = 0, a(6) = 10}

Sequence: A271040
Score: 9.68783
Type of gen. func.: ogf

$$-\frac{10 x^{6}}{(x-1)^{7}}$$

Sequence: A271051
Score: 7.21485
Type of gen. func.: ogf

$$-\frac{9 x^{8} - 4 x^{7} - 15 x^{6} + 8 x^{5} + 4 x^{4} + 20 x^{3} + x^{2} + 8 x + 1}{(x+1)^{3} (x-1)^{3}}$$

Sequence: A271052
Score: 5.73386
Type of gen. func.: ogf

$$\frac{9 x^{8} - 4 x^{7} - 15 x^{6} + 8 x^{5} + 4 x^{4} + 20 x^{3} + x^{2} + 8 x + 1}{(x+1)^{3} (x-1)^{4}}$$

Sequence: A271053
Score: 6.19492
Type of gen. func.: ogf

$$\frac{9 x^{7} - 4 x^{6} - 15 x^{5} + 7 x^{4} + 3 x^{3} + 22 x^{2} + 3 x + 7}{(x - 1)^{2} (x + 1)^{3}}$$

Sequence: A271054
Score: 7.65968
Type of gen. func.: ogf

$$\frac{9 x^{7} - 4 x^{6} - 15 x^{5} + 7 x^{4} - 21 x^{3} - 2 x^{2} - 5 x - 1}{(x + 1)^{3} (x - 1)^{3}}$$

Sequence: A271055
Score: 2.07944
Type of gen. func.: ogf

$$-(4116 f(x) + 6338095) ($$

$$8 f(x) x^{3} - 72 x^{4} - 14 f(x) x^{2} + 22 x^{3} + 7 f(x) x + 15 x^{2} - f(x) - 2 x + 1)$$

Sequence: A271055
Score: 3.69679
Type of gen. func.: ogf

$$\frac{72 x^{4} - 22 x^{3} - 15 x^{2} + 2 x - 1}{(2 x - 1) (4 x - 1) (x - 1)}$$

Sequence: A271056
Score: 6.07364
Type of gen. func.: ogf

$$- \frac{9 x^{7} - 4 x^{6} - 15 x^{5} + 7 x^{4} - 21 x^{3} - 2 x^{2} - 5 x - 1}{(x + 1)^{3} (x - 1)^{4}}$$

Sequence: A271057
Score: 6.60751
Type of gen. func.: ogf

$$-\frac{9 x^{6} - 4 x^{5} - 14 x^{4} + 8 x^{3} - 23 x^{2} - 4 x - 4}{(x - 1)^{2} (x + 1)^{3}}$$

Sequence: A271060
Score: 9.99495
Type of gen. func.: ogf

$$-\frac{x^{4} + 24 x^{3} - 2 x^{2} + 8 x + 1}{(x + 1)^{3} (x - 1)^{3}}$$

Sequence: A271061
Score: 2.90718
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 2) - 8 a(n + 1), a(0) = 1, a(1) = 8, a(2) = 48\}$$

Sequence: A271061
Score: 4.21746
Type of gen. func.: ogf

$$-8 f(x) x^{2} + 6 f(x) x + 8 x^{2} - f(x) + 2 x + 1$$

Sequence: A271061
Score: 5.64981
Type of gen. func.: ogf

$$\frac{8 x^{2} + 2 x + 1}{(4 x - 1) (2 x - 1)}$$

Sequence: A271062
Score: 7.45402

Type of gen. func.: ogf

$$\frac{x^4 + 24 x^3 - 2 x^2 + 8 x + 1}{(x + 1)^3 (x - 1)^4}$$

Sequence: A271064
Score: 7.59995
Type of gen. func.: lgdogf

$$- \frac{x^5 - x^4 - 74 x^3 + 26 x^2 - 87 x + 7}{x^6 - 27 x^4 + 19 x^2 + 7}$$

Sequence: A271064
Score: 8.99018
Type of gen. func.: ogf

$$- \frac{x^4 - 26 x^2 - 7}{(x - 1)^2 (x + 1)^3}$$

Sequence: A271091
Score: 7.73194
Type of gen. func.: ogf

$$\frac{5 x^7 - 4 x^6 - 7 x^5 + 7 x^4 - 25 x^3 - 2 x^2 - 5 x - 1}{(x + 1)^3 (x - 1)^3}$$

Sequence: A271092
Score: 2.10873
Type of gen. func.: ogf

$(272556 f(x) - 21145859)$

$$(8 f(x) x^3 - 40 x^4 - 14 f(x) x^2 - 2 x^3 + 7 f(x) x + 19 x^2 - f(x) - 2 x + 1)$$

Sequence: A271092
Score: 3.74300
Type of gen. func.: ogf

$$\frac{40 x^{4} + 2 x^{3} - 19 x^{2} + 2 x - 1}{(2 x - 1) (4 x - 1) (x - 1)}$$

Sequence: A271093
Score: 6.11897
Type of gen. func.: ogf

$$- \frac{5 x^{7} - 4 x^{6} - 7 x^{5} + 7 x^{4} - 25 x^{3} - 2 x^{2} - 5 x - 1}{(x + 1)^{3} (x - 1)^{4}}$$

Sequence: A271094
Score: 6.66758
Type of gen. func.: ogf

$$- \frac{5 x^{6} - 4 x^{5} - 6 x^{4} + 8 x^{3} - 27 x^{2} - 4 x - 4}{(x - 1)^{2} (x + 1)^{3}}$$

Sequence: A271113
Score: 8.18393
Type of gen. func.: ogf

$$(x + 1) (x^{35} - x^{34} + x^{28} - x^{27} + x^{24} - x^{23} + x^{22} - x^{21} + x^{19} - x^{18} + x^{15} - x^{14} + x^{13} - x^{12} + x^{10} - x^{9} + x^{8} - x^{7} + x^{6} - x^{5} + x^{4} - x^{3} + x^{2} - x + 1) \Big/ (x - 1)^{2}$$

Sequence: A271114
Score: 14.5981
Type of gen. func.: lgdogf

$$- \frac{-5 x - 7}{\quad}$$

$$-x^{3} - 2 x^{2} + x + 2$$

Sequence: A271114
Score: 15.4244
Type of gen. func.: ogf

$$\frac{(2 + x) (x + 1)}{(x - 1)^{2}}$$

Sequence: A271114
Score: 7.93684
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 2, a(1) = 7, a(2) = 13\}$$

Sequence: A271114
Score: 8.60522
Type of gen. func.: ogf

$$(12 f(x) + 25) (f(x) x^{2} - 2 f(x) x - x^{2} + f(x) - 3 x - 2)$$

Sequence: A271115
Score: 4.85888
Type of gen. func.: ogf

$$\frac{(x + 1) (x^{4} + 50048 x^{3} + 410874753 x^{2} + 50048 x + 1)}{x^{6} - 80640398 x^{3} + 1}$$

Sequence: A271144
Score: 4.27988
Type of gen. func.: ogf

$$(19336670962 f(x) + 82059508162833601) (f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2}$$

$$+ 277367 x^{3} - 4 f(x) x - 805149 x^{2} + f(x) + 778233 x - 250703)$$

Sequence: A271144
Score: 8.07441
Type of gen. func.: ogf

$$- \frac{277367 x^{3} - 805149 x^{2} + 778233 x - 250703}{(x - 1)^{4}}$$

Sequence: A271168
Score: 2.07071
Type of gen. func.: ogf

$$-(f(x) x^{2} - 2 f(x) x + f(x) - 1)^{2}$$

Sequence: A271176
Score: 4.35925
Type of gen. func.: ogf

$$-(575 f(x) - 3672) (2 f(x) x^{4} - 5 f(x) x^{3} + 8 f(x) x^{2} + 4 x^{3} - 5 f(x) x - 7 x^{2} + f(x) + 4 x - 1)$$

Sequence: A271176
Score: 8.26558
Type of gen. func.: ogf

$$- \frac{(x - 1) (4 x^{2} - 3 x + 1)}{(2 x - 1) (x^{3} - 2 x^{2} + 3 x - 1)}$$

Sequence: A271180
Score: 7.34517
Type of gen. func.: ogf

$$\frac{(x - 1) (4 x^{2} - 3 x + 1)}{(x^{2} - 3 x + 1) (x^{4} - x^{3} + 2 x - 1)}$$

Sequence: A271197
Score: 4.50956
Type of gen. func.: ogf

$$-6 f(x)^2 x^4 + 37 f(x)^2 x^3 - 12 f(x)^2 x^2 + f(x)^2 x - f(x) x^2 + 6 f(x) x - f(x) + 1$$

Sequence: A271208
Score: 7.05383
Type of gen. func.: ogf

$$\frac{3 x^5 + 17 x^4 + 82 x^3 + 12 x^2 + 7 x - 1}{(x - 1)^6}$$

Sequence: A271209
Score: 7.05383
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + 26 x^3 + 36 x^2 - 4 x + 1)}{(x - 1)^6}$$

Sequence: A271212
Score: 3.84008
Type of gen. func.: ogf

$$\{(2 n^2 + 2 n) a(n) + (4 n^2 + 13 n + 9) a(n + 1) + (2 n^2 + 10 n + 14) a(n + 2) + (-n - 3) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A271220
Score: 11.304
Type of gen. func.: ogf

$$-(401 f(x) - 1680) (f(x) x + 1170 x^2 - f(x) + 60 x + 6)$$

Sequence: A271220
Score: 11.3040
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2), a(0) = 6, a(1) = 66, a(2) = 1236\}$$

Sequence: A271220
Score: 13.6268
Type of gen. func.: lgdogf

$$-\frac{195 x^2 - 390 x - 11}{-195 x^3 + 185 x^2 + 9 x + 1}$$

Sequence: A271220
Score: 20.3011
Type of gen. func.: ogf

$$-\frac{6 (195 x^2 + 10 x + 1)}{x - 1}$$

Sequence: A271231
Score: 5.40138
Type of gen. func.: ogf_with_Euler_transform]

$$- (-4 x^{23} + x^{21} - 3 x^{19} + 2 x^{17} - 2 x^{15} + x^{13} - 6 x^{11} + x^9 - 2 x^7 + 2 x^5 - 3 x^3 + x) / (x^{24} - 1)$$

Sequence: A271254
Score: 2.15424
Type of gen. func.: ogf

$$(13452 f(x) - 560587)$$

$$(8 f(x) x^3 + 24 x^4 - 14 f(x) x^2 - 2 x^3 + 7 f(x) x + 15 x^2 - f(x) - 2 x + 1)$$

Sequence: A271254
Score: 3.74300
Type of gen. func.: ogf

$$-\frac{24 x^{4} - 2 x^{3} + 15 x^{2} - 2 x + 1}{(2 x - 1) (4 x - 1) (x - 1)}$$

Sequence: A271255
Score: 5.43008
Type of gen. func.: ogf

$$\frac{4 x^{10} - 8 x^{8} + 3 x^{7} + 4 x^{6} + 3 x^{5} - 3 x^{4} + 21 x^{3} + 2 x^{2} + 5 x + 1}{(x + 1)^{3} (x - 1)^{4}}$$

Sequence: A271256
Score: 5.76121
Type of gen. func.: ogf

$$\frac{4 x^{9} - 8 x^{7} + 3 x^{6} + 4 x^{5} + 2 x^{4} - 4 x^{3} + 23 x^{2} + 4 x + 4}{(x - 1)^{2} (x + 1)^{3}}$$

Sequence: A271266
Score: 7.69014
Type of gen. func.: ogf

$$\{(n^{2} + 4 n + 25) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 22\}$$

Sequence: A271268
Score: 9.41748
Type of gen. func.: ogf

$$-\frac{2 (603 x^{5} + 8556 x^{4} + 8572 x^{3} + 832 x^{2} + 44 x + 4)}{(x - 1) (x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A271286
Score: 2.31413
Type of gen. func.: ogf

$$(203 f(x) - 7353)$$

$$(8 f(x) x^{3} - 14 f(x) x^{2} - 32 x^{3} + 7 f(x) x + 26 x^{2} - f(x) - 3 x + 1)$$

Sequence: A271286
Score: 4.08188
Type of gen. func.: ogf

$$\frac{32 x^{3} - 26 x^{2} + 3 x - 1}{(2 x - 1) (4 x - 1) (x - 1)}$$

Sequence: A271318
Score: 7.64621
Type of gen. func.: ogf

$$3 f(x)^{2} x^{4} + 3 f(x)^{2} x^{2} - 2 f(x) x^{2} - f(x)^{2} + 2 f(x) - 1$$

Sequence: A271324
Score: 12.1457
Type of gen. func.: ogf

$$- \frac{x (x^{3} - 2 x^{2} - 2 x - 2)}{(x + 1) (x^{2} + 1) (x - 1)^{2}}$$

Sequence: A271346
Score: 9.03197
Type of gen. func.: ogf

$$\frac{2 (x^{2} + 1) (2 x^{4} + x^{3} - x^{2} + x + 2)}{(x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A271357
Score: 13.8236
Type of gen. func.: lgdogf

$$-\frac{x^2 + 6x - 10}{x^3 - 8x + 3}$$

Sequence: A271357
Score: 17.5100
Type of gen. func.: ogf

$$\frac{x + 3}{x^2 - 3x + 1}$$

Sequence: A271357
Score: 9.26997
Type of gen. func.: ogf

$$(6 f(x) + 7) (f(x) x^2 - 3 f(x) x + f(x) - x - 3)$$

Sequence: A271357
Score: 9.49335
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3, a(1) = 10\}$$

Sequence: A271358
Score: 11.2083
Type of gen. func.: lgdogf

$$-\frac{x^2 + 8x - 13}{x^3 + x^2 - 11x + 4}$$

Sequence: A271358
Score: 16.4388

Type of gen. func.: ogf

$$\frac{x + 4}{x^2 - 3 x + 1}$$

Sequence: A271358
Score: 8.50287
Type of gen. func.: ogf

$$(31 f(x) + 45) (f(x) x^2 - 3 f(x) x + f(x) - x - 4)$$

Sequence: A271358
Score: 8.91263
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - a(n), a(0) = 4, a(1) = 13\}$$

Sequence: A271359
Score: 11.1902
Type of gen. func.: lgdogf

$$- \frac{x^2 + 10 x - 16}{x^3 + 2 x^2 - 14 x + 5}$$

Sequence: A271359
Score: 16.6610
Type of gen. func.: ogf

$$\frac{x + 5}{x^2 - 3 x + 1}$$

Sequence: A271359
Score: 8.61777
Type of gen. func.: ogf

$$(19 f(x) + 33) (f(x) x^2 - 3 f(x) x + f(x) - x - 5)$$

Sequence: A271359
Score: 9.03307
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - a(n), a(0) = 5, a(1) = 16\}$$

Sequence: A271378
Score: 10.4674
Type of gen. func.: ogf

$$\{a(n + 3) - a(n), a(0) = 1, a(1) = 5, a(2) = 25\}$$

Sequence: A271378
Score: 16.1198
Type of gen. func.: ogf

$$-\frac{25 x^{2} + 5 x + 1}{(x - 1) (x^{2} + x + 1)}$$

Sequence: A271378
Score: 9.82916
Type of gen. func.: ogf

$$-(2 f(x) + 123) (f(x) x^{3} + 25 x^{2} - f(x) + 5 x + 1)$$

Sequence: A271388
Score: 12.3621
Type of gen. func.: ogf

$$-\frac{x (2 x^{2} - 4 x + 1)}{(x^{2} + 4 x - 1) (x - 1)^{2}}$$

Sequence: A271388
Score: 4.58089

Type of gen. func.: ogf

$$\{(-4 - n)\, a(n + 1) + (-3 n - 13)\, a(n + 2) + (5 n + 16)\, a(n + 3) + (-n - 3)\, a(n + 4),\ a(0) = 0,\ a(1) = 1,\ a(2) = 2,\ a(3) = 6\}$$

Sequence: A271388
Score: 5.52468
Type of gen. func.: ogf

$$-(30 f(x) + 23)\,(f(x)\, x^4 + 2 f(x)\, x^3 - 8 f(x)\, x^2 + 2 x^3 + 6 f(x)\, x - 4 x^2 - f(x) + x)$$

Sequence: A271388
Score: 9.02436
Type of gen. func.: lgdogf

$$-\frac{4 x^4 - 4 x^3 - 16 x^2 + 10 x - 2}{2 x^5 + 2 x^4 - 21 x^3 + 25 x^2 - 9 x + 1}$$

Sequence: A271389
Score: 10.7395
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 10 x^2 + 4 x - 6}{x^4 + 2 x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A271389
Score: 11.9165
Type of gen. func.: ogf

$$\frac{(x + 1)\, x}{(x^2 + 2 x - 1)\,(x - 1)^3}$$

Sequence: A271389
Score: 3.73348

Type of gen. func.: ogf

$$\{(n^2 + 8 n + 16) a(n + 1) + (n^2 + 10 n + 23) a(n + 2) + (-3 n^2 - 20 n - 34) a(n + 3) + (n^2 + 6 n + 9) a(n + 4), a(0) = 0, a(1) = 1, a(2) = 6, a(3) = 22\}$$

Sequence: A271391
Score: 10.0859
Type of gen. func.: ogf

$$-\frac{x^5 + x^4 + 6 x^3 + 2 x^2 + x + 1}{(x + 1)^3 (x - 1)^3}$$

Sequence: A271427
Score: 13.2328
Type of gen. func.: ogf

$$-7 f(x) x^2 - 6 f(x) x + f(x) - 7 x$$

Sequence: A271427
Score: 15.9334
Type of gen. func.: lgdogf

$$-\frac{-14 x - 6}{-7 x^2 - 6 x + 1}$$

Sequence: A271427
Score: 21.1010
Type of gen. func.: ogf

$$-\frac{7 x}{(x + 1) (7 x - 1)}$$

Sequence: A271427
Score: 9.63873

Type of gen. func.: ogf

$$\{-a(n+2) + 6\, a(n+1) + 7\, a(n),\ a(0) = 0,\ a(1) = 7\}$$

Sequence: A271476
Score: 3.33438
Type of gen. func.: ogf

$$\{(6 n^2 + 42 n + 72)\, a(n+1) + (-4 n^2 - 19 n - 12)\, a(n+2) + (-2 n^2 - 16 n - 40)\, a(n+3) + (n+4)\, a(n+4),\ a(0) = 1,\ a(1) = 10,\ a(2) = 75,\ a(3) = 628\}$$

Sequence: A271476
Score: 8.33595
Type of gen. func.: lgdegf]

$$-\frac{8 x^4 + 12 x^3 - 26 x^2 + 5 x + 10}{-8 x^4 - 4 x^3 + 14 x^2 - 3 x - 1}$$

Sequence: A271478
Score: 14.0341
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 16 x + 1}{x^3 + 4 x^2 - x - 4}$$

Sequence: A271478
Score: 17.2116
Type of gen. func.: ogf

$$\frac{x (x + 4)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A271478

Score: 4.63053
Type of gen. func.: ogf

$$\{(-12 - 4 n) a(n + 4) + (-1 - n) a(n + 3) + (20 + 4 n) a(n + 2) + (n + 3) a(n + 1), a(0) = 0, a(1) = 4, a(2) = 1, a(3) = 8\}$$

Sequence: A271478
Score: 9.50222
Type of gen. func.: ogf

$$-(60 f(x) - 481) (f(x) x^4 - 2 f(x) x^2 - x^2 + f(x) - 4 x)$$

Sequence: A271481
Score: 3.37002
Type of gen. func.: ogf

$$(2 f(x) x - f(x) + 1)^2$$

Sequence: A271484
Score: 10.9782
Type of gen. func.: ogf

$$\frac{x^5 (x^5 + x^4 + x^2 + 1)}{(x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A271485
Score: 9.90285
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 + 1) (x^2 - x - 1)}{x^6 - x^4 - 2 x^2 + 1}$$

Sequence: A271487
Score: 5.98468
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^8 + x^6 + 2 x^4 + 2 x^2 + x + 1)}{x^9 + 2 x^6 + 2 x^3 - 1}$$

Sequence: A271489
Score: 5.21601
Type of gen. func.: ogf

$$\frac{x^{13} - x^{10} - x^8 - x^7 - x^6 - x^5 - x^4 - 2 x^3 - 3 x^2 - 2 x - 1}{x^9 + x^6 + 2 x^3 - 1}$$

Sequence: A271494
Score: 10.8186
Type of gen. func.: lgdogf

$$-\frac{-512 x^2 - 64 x - 20}{-512 x^3 - 96 x^2 + 12 x + 1}$$

Sequence: A271494
Score: 16.5732
Type of gen. func.: ogf

$$-\frac{16 x + 1}{(4 x + 1) (8 x - 1)}$$

Sequence: A271494
Score: 8.85162
Type of gen. func.: ogf

$$(9 f(x) + 16) (32 f(x) x^2 + 4 f(x) x - f(x) + 16 x + 1)$$

Sequence: A271494
Score: 9.27312
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) - 32 a(n), a(0) = 1, a(1) = 20\}$$

Sequence: A271508
Score: 10.0634
Type of gen. func.: lgdogf

$$-\frac{6 x^{3} + 12 x^{2} + 18 x + 4}{6 x^{4} + 3 x^{3} - 5 x^{2} - 3 x - 1}$$

Sequence: A271508
Score: 13.5278
Type of gen. func.: ogf

$$\frac{6 x^{2} + 3 x + 1}{(x + 1) (x - 1)^{2}}$$

Sequence: A271508
Score: 6.93443
Type of gen. func.: ogf

$$-(12 f(x) + 1067) (f(x) x^{3} - f(x) x^{2} - f(x) x - 6 x^{2} + f(x) - 3 x - 1)$$

Sequence: A271508
Score: 7.30263
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 4, a(2) = 11\}$$

Sequence: A271527
Score: 10.3538
Type of gen. func.: ogf

$$-\frac{1001 x - 2}{(1000 x - 1) (x - 1)}$$

Sequence: A271527
Score: 5.17689
Type of gen. func.: ogf

$$-(998001 f(x) - 994001) (1000 f(x) x^2 - 1001 f(x) x + f(x) + 1001 x - 2)$$

Sequence: A271527
Score: 6.14401
Type of gen. func.: ogf

$$\{a(n + 2) - 1001 a(n + 1) + 1000 a(n), a(0) = 2, a(1) = 1001\}$$

Sequence: A271528
Score: 10.2502
Type of gen. func.: ogf

$$-\frac{6 x (10 x + 1)}{(10 x - 1) (100 x - 1) (x - 1)}$$

Sequence: A271528
Score: 5.59101
Type of gen. func.: ogf

$$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 0, a(1) = 6, a(2) = 726\}$$

Sequence: A271528
Score: 5.73315
Type of gen. func.: ogf

$$(121 f(x) + 6) (1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 60 x^2 - f(x) + 6 x)$$

Sequence: A271528
Score: 7.19694
Type of gen. func.: lgdogf

$$-\frac{-20000 x^3 + 8100 x^2 + 2220 x - 121}{-10000 x^4 + 10100 x^3 - 101 x + 1}$$

Sequence: A271532
Score: 11.9851
Type of gen. func.: ogf

$$\frac{x^2 - 28 x + 1}{(x + 1)^4}$$

Sequence: A271532
Score: 12.3376
Type of gen. func.: lgdogf

$$-\frac{-2 x^2 + 86 x - 32}{-x^3 + 27 x^2 + 27 x - 1}$$

Sequence: A271532
Score: 4.07260
Type of gen. func.: ogf

$$\{(-4 - n) a(n + 4) + (49 + 27 n) a(n + 3) + (140 + 27 n) a(n + 2)$$
$$+ (-n - 3) a(n + 1), a(0) = 1, a(1) = -32, a(2) = 123, a(3) = -304\}$$

Sequence: A271532
Score: 5.95004
Type of gen. func.: ogf

$$-(4165 f(x) + 76887)$$
$$(f(x) x^4 + 4 f(x) x^3 + 6 f(x) x^2 + 4 f(x) x - x^2 + f(x) + 28 x - 1)$$

Sequence: A271534
Score: 6.45588
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A271535
Score: 6.61378
Type of gen. func.: ogf

$$-\frac{x\,(x^4 + 18\,x^3 + 42\,x^2 + 18\,x + 1)}{(x - 1)^7}$$

Sequence: A271535
Score: 7.48730
Type of gen. func.: lgdogf

$$-\frac{-3\,x^4 - 76\,x^3 - 264\,x^2 - 192\,x - 25}{-x^5 - 17\,x^4 - 24\,x^3 + 24\,x^2 + 17\,x + 1}$$

Sequence: A271566
Score: 7.69040
Type of gen. func.: ogf

$$\frac{x^7 + 2\,x^6 - x^5 - 3\,x^4 - 3\,x^3 + x^2 + 3\,x + 2}{(x^2 + x + 1)^2\,(x - 1)^2}$$

Sequence: A271567
Score: 15.5205
Type of gen. func.: lgdogf

$$-\frac{-55\,x - 17}{-11\,x^2 + 10\,x + 1}$$

Sequence: A271567
Score: 5.20686
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (3 + 10 n) a(n + 2) + (-66 - 11 n) a(n + 1), a(0) = 1,

a(1) = 17, a(2) = 87}

Sequence: A271567
Score: 9.96375
Type of gen. func.: ogf

$$\frac{11 x + 1}{(x - 1)^{6}}$$

Sequence: A271578
Score: 10.0447
Type of gen. func.: ogf

$$- \frac{2 (x^{12} - x^{11} + x^{4} + x^{3} + 57 x - 60)}{(x - 1)^{2}}$$

Sequence: A271621
Score: 7.14939
Type of gen. func.: ogf

$$\frac{4 x^{8} + 2 x^{7} - x^{6} - 2 x^{5} + x^{4} - 3 x^{3} - 2 x^{2} - x - 2}{x - 1}$$

Sequence: A271622
Score: 7.21367
Type of gen. func.: ogf

$$f(x)^{2} x^{3} + f(x)^{2} x - f(x)^{2} - f(x) x + 2 f(x) - 1$$

Sequence: A271624
Score: 15.0210
Type of gen. func.: lgdogf

$$- \frac{-2 x^{2} - 2 x - 2}{-2 x^{3} + 3 x^{2} - 2 x + 1}$$

Sequence: A271624
Score: 15.7597
Type of gen. func.: ogf

$$- \frac{2 (2 x^{2} - x + 1)}{(x - 1)^{3}}$$

Sequence: A271624
Score: 8.50747
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2, a(1) = 4, a(2) = 10\}$$

Sequence: A271624
Score: 8.50748
Type of gen. func.: ogf

$$(38 f(x) - 31) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 4 x^{2} - f(x) - 2 x + 2)$$

Sequence: A271625
Score: 14.6595
Type of gen. func.: lgdogf

$$- \frac{-3 x^{2} + 2 x + 13}{-3 x^{3} + 7 x^{2} - x - 3}$$

Sequence: A271625
Score: 15.6208
Type of gen. func.: ogf

$$\frac{3 x^{2} - 4 x - 3}{(x - 1)^{3}}$$

Sequence: A271625

Score: 8.2144
Type of gen. func.: ogf

$$(121 f(x) - 1623) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 3 x^2 - f(x) + 4 x + 3)$$

Sequence: A271625
Score: 8.35851
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3, a(1) = 13, a(2) = 27\}$$

Sequence: A271636
Score: 10.3262
Type of gen. func.: ogf

$$\frac{4 x (7 x^2 + 10 x + 7)}{(x - 1)^4}$$

Sequence: A271636
Score: 11.7133
Type of gen. func.: lgdogf

$$- \frac{-14 x^2 - 44 x - 38}{-7 x^3 - 3 x^2 + 3 x + 7}$$

Sequence: A271636
Score: 3.84701
Type of gen. func.: ogf

$$\{(21 + 7 n) a(n + 4) + (-32 + 3 n) a(n + 3) + (-47 - 3 n) a(n + 2)$$

$$+ (-14 - 7 n) a(n + 1), a(0) = 0, a(1) = 28, a(2) = 152, a(3) = 468\}$$

Sequence: A271636
Score: 5.56589
Type of gen. func.: ogf

$$(492 f(x) + 9545)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 28 x^3 - 4 f(x) x - 40 x^2 + f(x) - 28 x)$$

Sequence: A271638
Score: 10.8607
Type of gen. func.: ogf

$$\frac{x^2 + 4 x + 1}{(2 x - 1)^2 (x - 1)^2}$$

Sequence: A271638
Score: 5.46887
Type of gen. func.: ogf

$$(232466 f(x) + 377961)$$

$$(4 f(x) x^4 - 12 f(x) x^3 + 13 f(x) x^2 - 6 f(x) x - x^2 + f(x) - 4 x - 1)$$

Sequence: A271638
Score: 9.40380
Type of gen. func.: lgdogf

$$- \frac{4 x^3 + 24 x^2 - 6 x - 10}{2 x^4 + 5 x^3 - 9 x^2 + x + 1}$$

Sequence: A271648
Score: 3.70925
Type of gen. func.: ogf

$$- \frac{x^8 - 22 x^6 + 137 x^5 + 1531 x^4 + 4378 x^3 + 1572 x^2 + 77 x + 6}{(x - 1)^7}$$

Sequence: A271649
Score: 15.4256
Type of gen. func.: ogf

$$-\frac{4\,(x^2 - x + 1)}{(x - 1)^3}$$

Sequence: A271649
Score: 15.6826
Type of gen. func.: lgdogf

$$-\frac{-x^2 - 2}{-x^3 + 2\,x^2 - 2\,x + 1}$$

Sequence: A271649
Score: 28.3771
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^2 + x + 2$$

Sequence: A271649
Score: 8.32707
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 4,\ a(1) = 8,\ a(2) = 16\}$$

Sequence: A271649
Score: 8.40142
Type of gen. func.: ogf

$$(3\,f(x) + 20)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 4\,x^2 - f(x) - 4\,x + 4)$$

Sequence: A271662
Score: 17.6124
Type of gen. func.: lgdogf

$$-\frac{-8\,x - 10}{-2\,x^2 + x + 1}$$

Sequence: A271662
Score: 5.64059
Type of gen. func.: ogf

$\{(n + 3) a(n + 3) + (-8 + n) a(n + 2) + (-10 - 2 n) a(n + 1), a(0) = 1, a(1) = 10, a(2) = 49\}$

Sequence: A271662
Score: 9.80693
Type of gen. func.: ogf

$$\frac{(2 x + 1)^2}{(x - 1)^6}$$

Sequence: A271663
Score: 12.9438
Type of gen. func.: lgdogf

$$- \frac{-8 x^2 - 19 x - 9}{-2 x^3 - x^2 + 2 x + 1}$$

Sequence: A271663
Score: 4.18579
Type of gen. func.: ogf

$\{(n + 4) a(n + 4) + (-3 + 2 n) a(n + 3) + (-21 - n) a(n + 2) + (-10 - 2 n) a(n + 1), a(0) = 1, a(1) = 9, a(2) = 41, a(3) = 131\}$

Sequence: A271663
Score: 9.56073
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x + 1)}{(x - 1)^6}$$

Sequence: A271675
Score: 10.5383
Type of gen. func.: lgdogf

$$-\frac{2x^4+x^3-9x^2-23x-7}{x^5-4x^3-4x^2+3x+4}$$

Sequence: A271675
Score: 11.5791
Type of gen. func.: ogf

$$\frac{x\,(x^3-3x-4)}{(x+1)^2\,(x-1)^3}$$

Sequence: A271675
Score: 4.78524
Type of gen. func.: ogf

{(n + 5) a(n + 1) + (-n - 5) a(n + 2) + (-n - 3) a(n + 3) + (n + 3) a(n + 4),

a(0) = 0, a(1) = 4, a(2) = 7, a(3) = 15}

Sequence: A271713
Score: 10.9868
Type of gen. func.: ogf

$$-\frac{2x^4+x^3+x+2}{(x+1)^2\,(x-1)^3}$$

Sequence: A271713
Score: 8.89410
Type of gen. func.: lgdogf

$$-\frac{-2x^5-4x^4-9x^3-7x^2-11x-3}{-2x^6-x^5+2x^4-2x^2+x+2}$$

Sequence: A271722
Score: 5.97977
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^8 - x^6 + x^5 - x^3 + x^2 - 1}{x^{10} + x^8 + x^6 + x^4 + x^2 + 1}$$

Sequence: A271723
Score: 10.0417
Type of gen. func.: ogf

$$-\frac{3 x^4 + x^3 - 2 x^2 + x + 3}{(x + 1)^2 (x - 1)^3}$$

Sequence: A271723
Score: 8.89410
Type of gen. func.: lgdogf

$$-\frac{-3 x^5 - 5 x^4 - 7 x^3 - 5 x^2 - 12 x - 4}{-3 x^6 - x^5 + 5 x^4 - 5 x^2 + x + 3}$$

Sequence: A271740
Score: 14.0941
Type of gen. func.: lgdogf

$$-\frac{-2 x^2 - 6 x - 10}{-2 x^3 + x^2 - 2 x + 3}$$

Sequence: A271740
Score: 15.0183
Type of gen. func.: ogf

2

$$-\frac{2 x + x + 3}{(x - 1)^{3}}$$

Sequence: A271740
Score: 7.93626
Type of gen. func.: ogf

$$(3996 f(x) - 6907) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 7 x^{2} - f(x) - 3 x + 2)$$

Sequence: A271740
Score: 8.03611
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3, a(1) = 10, a(2) = 23\}$$

Sequence: A271743
Score: 10.4531
Type of gen. func.: ogf

$$\frac{(3 x - 2) (2 x^{2} - 15 x + 5)}{(2 x - 1) (3 x - 1) (x - 1)}$$

Sequence: A271743
Score: 5.56988
Type of gen. func.: ogf

$$\{-a(n + 4) + 6 a(n + 3) - 11 a(n + 2) + 6 a(n + 1), a(0) = 10, a(1) = 15, a(2) = 29, a(3) = 63\}$$

Sequence: A271743
Score: 5.86981
Type of gen. func.: ogf

$$-(14 f(x) - 361) (6 f(x) x^{3} - 11 f(x) x^{2} - 6 x^{3} + 6 f(x) x + 49 x^{2} - f(x) - 45 x + 10)$$

Sequence: A271744
Score: 4.43318
Type of gen. func.: ogf

$$-(3014 f(x) - 4221) (24 f(x) x^4 - 50 f(x) x^3 - 24 x^4 + 35 f(x) x^2 + 460 x^3 - 10 f(x) x - 599 x^2 + f(x) + 241 x - 30)$$

Sequence: A271744
Score: 7.63239
Type of gen. func.: ogf

$$\frac{24 x^4 - 460 x^3 + 599 x^2 - 241 x + 30}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A271745
Score: 5.64886
Type of gen. func.: ogf

$$\frac{2 (60 x^5 - 3174 x^4 + 5210 x^3 - 2891 x^2 + 655 x - 52)}{(x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A271746
Score: 4.67619
Type of gen. func.: ogf

$$\frac{720 x^6 - 122388 x^5 + 235852 x^4 - 161681 x^3 + 50632 x^2 - 7381 x + 406}{(x - 1) (6 x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A271747
Score: 3.82151
Type of gen. func.: ogf

$$(5040 x^7 - 3145476 x^6 + 6799268 x^5 - 5424029 x^4 + 2104109 x^3 - 426701 x^2 + 43463 x - 1754)/((x - 1) (6 x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (7 x - 1) (5 x - 1))$$

Sequence: A271751
Score: 25.4303
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 - 2 x^4 + 2$$

Sequence: A271751
Score: 9.12867
Type of gen. func.: ogf

$$- \frac{x (x^4 + x^3 + x^2 + x + 1)}{(x - 1) (x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A271771
Score: 4.96575
Type of gen. func.: ogf

-(1988 f(x) - 36663)

$$(4 f(x) x^4 - 12 f(x) x^3 + 13 f(x) x^2 + 2 x^3 - 6 f(x) x - x^2 + f(x) + x - 1)$$

Sequence: A271771
Score: 8.46435
Type of gen. func.: lgdogf

$$- \frac{-4 x^4 - 2 x^3 + 9 x - 5}{-4 x^5 + 8 x^4 - 7 x^3 + 6 x^2 - 4 x + 1}$$

Sequence: A271771
Score: 9.42865
Type of gen. func.: ogf

$$- \frac{2 x^3 - x^2 + x - 1}{(2 x - 1)^2 (x - 1)^2}$$

Sequence: A271779
Score: 10.2786
Type of gen. func.: ogf

$$-\frac{7 x^3 - 27 x^2 + 25 x - 11}{(x - 1)^4}$$

Sequence: A271779
Score: 3.93439
Type of gen. func.: ogf

$$\{(7429 n^2 + 41499 n + 53282) a(n + 1) + (-11630 n^2 - 44636 n - 28616) a(n + 2)$$
$$+ (4201 n^2 + 12821 n + 654) a(n + 3), a(0) = 11, a(1) = 19, a(2) = 37\}$$

Sequence: A271779
Score: 5.37443
Type of gen. func.: ogf

$$-(24921 f(x) + 189682) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 7 x^3 - 4 f(x) x$$
$$- 27 x^2 + f(x) + 25 x - 11)$$

Sequence: A271779
Score: 9.45157
Type of gen. func.: lgdogf

$$-\frac{-7 x^3 + 33 x^2 - 21 x + 19}{-7 x^4 + 34 x^3 - 52 x^2 + 36 x - 11}$$

Sequence: A271785
Score: 10.5051
Type of gen. func.: ogf

$$x (2 x^2 + 2 x - 3)$$

```
                              - ------------------
                                    2         2
                                  (x  + x - 1)
```

Sequence: A271785
Score: 5.47766
Type of gen. func.: ogf

```
-(61 f(x) - 336)

          4            3          2      3                 2
    (f(x) x  + 2 f(x) x  - f(x) x  + 2 x  - 2 f(x) x + 2 x  + f(x) - 3 x)
```

Sequence: A271785
Score: 9.58591
Type of gen. func.: lgdogf

```
                                    3      2
                                -4 x  - 6 x  + 6 x + 4
                          - ----------------------------
                                 4      3      2
                            -2 x  - 4 x  + 3 x  + 5 x - 3
```

Sequence: A271786
Score: 10.0753
Type of gen. func.: ogf

```
                                                2
                              2 (x - 1) (2 x  + 4 x + 1)
                            - --------------------------
                                    2         2
                                  (x  + x - 1)
```

Sequence: A271786
Score: 5.54142
Type of gen. func.: ogf

```
(41 f(x) - 746)

          4            3          2      3                 2
    (f(x) x  + 2 f(x) x  - f(x) x  + 4 x  - 2 f(x) x + 4 x  + f(x) - 6 x - 2)
```

Sequence: A271786
Score: 8.08124
Type of gen. func.: lgdogf

$$-\frac{-2x^4-2x^3+3x^2+3x+5}{-2x^5-4x^4+3x^3+6x^2-2x-1}$$

Sequence: A271800
Score: 6.93861
Type of gen. func.: ogf

$$-\frac{x(x^8+x^7+x^6+x^5-x^4-x^3-x^2-x-1)}{(x^2+x+1)(x^6+x^3+1)(x-1)^2}$$

Sequence: A271823
Score: 4.33560
Type of gen. func.: ogf

$$\{(-12n^2-6n+6)a(n)+(7n^2+21n+14)a(n+1)$$
$$+(-n^2-5n-6)a(n+2),\ a(0)=4,\ a(1)=0,\ a(2)=2\}$$

Sequence: A271823
Score: 7.35737
Type of gen. func.: ogf

$$-4f(x)^2x^2+f(x)^2x+16f(x)x^2-9x^3+2x^2-f(x)-16x+4$$

Sequence: A271827
Score: 8.65832
Type of gen. func.: ogf

$$\frac{(x^2-x+1)(x^3-x^2+1)}{(x-1)(x^3-x^2+2x-1)}$$

Sequence: A271828
Score: 10.5094
Type of gen. func.: lgdogf

$$-\frac{12 x^{3} + 62 x^{2} + 20 x + 2}{12 x^{4} + x^{3} - 15 x^{2} + 3 x - 1}$$

Sequence: A271828
Score: 11.3076
Type of gen. func.: ogf

$$\frac{12 x^{3} + 13 x^{2} - 2 x + 1}{(x - 1)^{4}}$$

Sequence: A271828
Score: 4.46652
Type of gen. func.: ogf

$$\{(-1855 n^{2} - 7907 n - 8394) a(n + 1) + (1754 n^{2} + 1252 n - 5076) a(n + 2)$$
$$+ (101 n^{2} + 787 n + 1452) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 15\}$$

Sequence: A271828
Score: 6.20349
Type of gen. func.: ogf

$$(844 f(x) + 4571) ($$
$$f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 12 x^{3} - 4 f(x) x - 13 x^{2} + f(x) + 2 x - 1$$
$$)$$

Sequence: A271830
Score: 10.1670
Type of gen. func.: ogf

$$\frac{x^{4} + 3 x^{2} - 4 x + 3}{(x - 1)^{2} (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A271832
Score: 24.7308
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} - 2 x^{5} + 2$$

Sequence: A271832
Score: 8.35816
Type of gen. func.: ogf

$$- \frac{x (x + 1) (x^{2} + x + 1) (x^{2} - x + 1)}{(x - 1) (x^{2} + 1) (x^{4} - x^{2} + 1)}$$

Sequence: A271833
Score: 9.36168
Type of gen. func.: ogf

$$\frac{2 x^{7} + 2 x^{6} + 2 x^{5} - 5 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 1}{(x^{4} + 1) (x + 1) (x^{2} + 1) (x - 1)^{2}}$$

Sequence: A271859
Score: 5.86458
Type of gen. func.: ogf

$$- \frac{x (x^{10} + x^{9} + x^{8} + x^{7} + x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 1)}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A271893
Score: 14.9993
Type of gen. func.: ogf

$$- \frac{(2 x + 1) (x - 1)}{6 x^{3} - 4 x^{2} - 2 x + 1}$$

Sequence: A271893
Score: 8.16923
Type of gen. func.: ogf

$$(7 f(x) + 13) (6 f(x) x^3 - 4 f(x) x^2 - 2 f(x) x + 2 x^2 + f(x) - x - 1)$$

Sequence: A271893
Score: 8.16924
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 4 a(n + 1) + 6 a(n), a(0) = 1, a(1) = 3, a(2) = 8\}$$

Sequence: A271893
Score: 9.05896
Type of gen. func.: lgdogf

$$- \frac{-12 x^4 + 12 x^3 + 10 x^2 - 4 x - 3}{-12 x^5 + 14 x^4 + 6 x^3 - 8 x^2 - x + 1}$$

Sequence: A271894
Score: 12.0892
Type of gen. func.: ogf

$$- \frac{3 x^2 - x - 1}{6 x^3 - 4 x^2 - 2 x + 1}$$

Sequence: A271894
Score: 6.19696
Type of gen. func.: ogf

$$-(472 f(x) + 441) (6 f(x) x^3 - 4 f(x) x^2 - 2 f(x) x + 3 x^2 + f(x) - x - 1)$$

Sequence: A271894
Score: 6.58428
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) - 4 a(n + 1) + 6 a(n), a(0) = 1, a(1) = 3, a(2) = 7}

Sequence: A271894
Score: 7.37439
Type of gen. func.: lgdogf

$$-\frac{-18 x^4 + 12 x^3 + 8 x^2 - 2 x - 3}{-18 x^5 + 18 x^4 + 8 x^3 - 9 x^2 - x + 1}$$

Sequence: A271895
Score: 13.7241
Type of gen. func.: ogf

$$-\frac{2 x^2 - 1}{6 x^3 - 4 x^2 - 2 x + 1}$$

Sequence: A271895
Score: 6.92279
Type of gen. func.: ogf

$$-(19 f(x) + 13) (6 f(x) x^3 - 4 f(x) x^2 - 2 f(x) x + 2 x^2 + f(x) - 1)$$

Sequence: A271895
Score: 6.98461
Type of gen. func.: ogf

{-a(n + 3) + 2 a(n + 2) + 4 a(n + 1) - 6 a(n), a(0) = 1, a(1) = 2, a(2) = 6}

Sequence: A271895
Score: 8.50300
Type of gen. func.: lgdogf

$$-\frac{-12 x^4 + 14 x^2 - 4 x - 2}{-12 x^5 + 8 x^4 + 10 x^3 - 6 x^2 - 2 x + 1}$$

Sequence: A271896
Score: 11.0390
Type of gen. func.: lgdogf

$$-\frac{-4 x^{3} + 12 x^{2} - 6 x + 2}{-4 x^{4} + 9 x^{3} - 9 x^{2} + 5 x - 1}$$

Sequence: A271896
Score: 14.6584
Type of gen. func.: ogf

$$-\frac{(x - 1)^{2}}{4 x^{3} - 5 x^{2} + 4 x - 1}$$

Sequence: A271896
Score: 7.98358
Type of gen. func.: ogf

{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 2, a(2) = 4}

Sequence: A271896
Score: 8.05549
Type of gen. func.: ogf

$$(f(x) + 3) (4 f(x) x^{3} - 5 f(x) x^{2} + 4 f(x) x + x^{2} - f(x) - 2 x + 1)$$

Sequence: A271897
Score: 14.9993
Type of gen. func.: ogf

$$-\frac{3 x^{2} - 2 x + 1}{4 x^{3} - 5 x^{2} + 4 x - 1}$$

Sequence: A271897
Score: 8.16924
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 2, a(2) = 6\}$$

Sequence: A271897
Score: 8.24283
Type of gen. func.: ogf

$$(f(x) - 1) (4 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x + 3 x^2 - f(x) - 2 x + 1)$$

Sequence: A271897
Score: 8.88306
Type of gen. func.: lgdogf

$$- \frac{-12 x^4 + 16 x^3 - 10 x^2 + 4 x - 2}{-12 x^5 + 23 x^4 - 26 x^3 + 16 x^2 - 6 x + 1}$$

Sequence: A271898
Score: 15.4228
Type of gen. func.: ogf

$$- \frac{x^2 + 1}{4 x^3 - 5 x^2 + 4 x - 1}$$

Sequence: A271898
Score: 7.77965
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 4, a(2) = 12\}$$

Sequence: A271898
Score: 7.91983
Type of gen. func.: ogf

$$-(f(x) + 1) (4 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x + x^2 - f(x) + 1)$$

Sequence: A271898
Score: 9.98978
Type of gen. func.: lgdogf

$$-\frac{4x^4+8x^2-8x+4}{4x^5-5x^4+8x^3-6x^2+4x-1}$$

Sequence: A271899
Score: 6.38467
Type of gen. func.: ogf

$$-\frac{9x^4+33x^3+36x^2+9x+1}{(x-1)^9}$$

Sequence: A271899
Score: 8.13142
Type of gen. func.: lgdogf

$$-\frac{45x^4+234x^3+351x^2+144x+18}{9x^5+24x^4+3x^3-27x^2-8x-1}$$

Sequence: A271900
Score: 16.2921
Type of gen. func.: ogf_with_Euler_transform]

$$x^{16}+x^2(x^2+1)$$

Sequence: A271900
Score: 8.91525
Type of gen. func.: ogf

$$-1/((x^4+x^3+x^2+x+1)(x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8$$

7 6 5 4 3 2 2 3

$$+ x + x + x + x + x + x + x + 1) (x + x + 1) (x - 1))$$

Sequence: A271902
Score: 4.25429
Type of gen. func.: ogf

$$(5 x^{12} - 6 x^{10} - 26 x^{9} - 7 x^{8} - 68 x^{7} - 88 x^{6} - 96 x^{5} - 61 x^{4} - 44 x^{3} - 18 x^{2} - 6 x - 1) / ((x^{2} + x + 1) (x^{2} + 1)^{2} (x + 1)^{3} (x - 1)^{3})$$

Sequence: A271903
Score: 3.09363
Type of gen. func.: ogf

$$- \frac{16 x^{5} + 64 x^{4} - 6 x^{3} + 9 x^{2} - x + 1}{(x - 1) (4 x - 1) (2 x - 1) (x + 1)}$$

Sequence: A271904
Score: 3.88481
Type of gen. func.: ogf

$$- (5 x^{12} - 6 x^{10} - 26 x^{9} - 7 x^{8} - 68 x^{7} - 88 x^{6} - 96 x^{5} - 61 x^{4} - 44 x^{3} - 18 x^{2} - 6 x - 1) / ((x + 1)^{3} (x^{2} + x + 1) (x^{2} + 1)^{2} (x - 1)^{4})$$

Sequence: A271911
Score: 10.2732
Type of gen. func.: lgdogf

$$- \frac{-4 x^{3} - x^{2} + 6 x + 5}{-2 x^{4} + x^{3} + 4 x^{2} - x - 2}$$

Sequence: A271911
Score: 12.6440
Type of gen. func.: ogf

$$\frac{2 x (2 x^2 - x - 2)}{(x + 1) (x - 1)^3}$$

Sequence: A271911
Score: 6.9649
Type of gen. func.: ogf

$$(25 f(x) - 882) (f(x) x^4 - 2 f(x) x^3 - 4 x^3 + 2 f(x) x + 2 x^2 - f(x) + 4 x)$$

Sequence: A271915
Score: 4.20775
Type of gen. func.: ogf

$$4 x (x^{16} - x^{14} + 2 x^{10} + 2 x^9 - x^8 - x^7 + 5 x^6 + 6 x^5 + 6 x^4 + x^3 - 8 x^2 - 15 x - 6) / ((x + 1) (x - 1)^3)$$

Sequence: A271937
Score: 10.2042
Type of gen. func.: lgdogf

$$- \frac{-6 x^3 - 15 x^2 - 16 x - 5}{-3 x^4 - 3 x^3 + 2 x^2 + 3 x + 1}$$

Sequence: A271937
Score: 13.7171
Type of gen. func.: ogf

$$- \frac{3 x^2 + 3 x + 1}{(x + 1) (x - 1)^3}$$

Sequence: A271937
Score: 7.03144

Type of gen. func.: ogf

$$(9212 f(x) - 117529) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x + 3 x^2 - f(x) + 3 x + 1)$$

Sequence: A271939
Score: 12.9623
Type of gen. func.: lgdogf

$$-\frac{48 x - 11}{24 x^2 - 11 x + 1}$$

Sequence: A271939
Score: 19.2583
Type of gen. func.: ogf

$$\frac{8}{(8 x - 1) (3 x - 1)}$$

Sequence: A271939
Score: 7.83767
Type of gen. func.: ogf

$$(73 f(x) + 384) (24 f(x) x^2 - 11 f(x) x + f(x) - 8)$$

Sequence: A271939
Score: 7.92987
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 24 a(n), a(0) = 8, a(1) = 88\}$$

Sequence: A271944
Score: 12.9521
Type of gen. func.: ogf

$$\frac{2 (x + 1) x}{x^3 - 9 x^2 - x + 1}$$

Sequence: A271944
Score: 6.65106
Type of gen. func.: ogf

$$-(f(x) + 1) (f(x) x^3 - 9 f(x) x^2 - f(x) x - 2 x^2 + f(x) - 2 x)$$

Sequence: A271944
Score: 6.65106
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 9 a(n + 1) - a(n), a(0) = 0, a(1) = 2, a(2) = 4\}$$

Sequence: A271944
Score: 9.46497
Type of gen. func.: lgdogf

$$- \frac{2 x^3 - 6 x^2 - 18 x - 2}{x^4 - 8 x^3 - 10 x^2 + 1}$$

Sequence: A271945
Score: 11.7396
Type of gen. func.: lgdogf

$$- \frac{-3 x^2 + 18 x + 1}{-x^3 + 9 x^2 + x - 1}$$

Sequence: A271945
Score: 16.9572
Type of gen. func.: ogf

$$\frac{4 x^2}{x^3 - 9 x^2 - x + 1}$$

Sequence: A271945
Score: 6.93704
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 9 a(n + 1) + a(n), a(0) = 0, a(1) = 0, a(2) = 4\}$$

Sequence: A271945
Score: 9.42068
Type of gen. func.: ogf

$$-f(x) x^3 + 9 f(x) x^2 + f(x) x + 4 x^2 - f(x)$$

Sequence: A271970
Score: 10.6486
Type of gen. func.: ogf

$$- \frac{(x - 1) (x^3 - x^2 - 1)}{x^5 + x^3 + x - 1}$$

Sequence: A271972
Score: 12.0819
Type of gen. func.: lgdogf

$$- \frac{-21 x^2 - 14 x + 7}{-21 x^3 + 5 x^2 + x - 1}$$

Sequence: A271972
Score: 12.849
Type of gen. func.: ogf

$$-7 f(x) x^2 + 4 f(x) x - f(x) + 3 x + 1$$

Sequence: A271972
Score: 17.9886
Type of gen. func.: ogf

$$3 x + 1$$

$$\frac{\quad}{7 x^{2} - 4 x + 1}$$

Sequence: A271972
Score: 9.87178
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 7 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A271994
Score: 8.84128
Type of gen. func.: lgdogf

$$- \frac{-2 x^{5} - 2 x^{4} + 8 x^{3} + 6 x^{2} - 18 x - 8}{-x^{6} + 4 x^{4} - 7 x^{2} + 4}$$

Sequence: A271994
Score: 9.23864
Type of gen. func.: ogf

$$\frac{2 (x^{4} - 3 x^{2} + 4)}{(x + 1)^{2} (x - 1)^{4}}$$

Sequence: A271995
Score: 7.54348
Type of gen. func.: ogf

$$\frac{x^{5} + x^{4} - 2 x^{3} - 4 x^{2} + x + 7}{(x + 1)^{2} (x - 1)^{4}}$$

Sequence: A271996
Score: 8.14098
Type of gen. func.: ogf

$$2 (x^{5} - 2 x^{3} - x^{2} + x + 3)$$

$$\frac{}{(x + 1)^2 (x - 1)^4}$$

Sequence: A271997
Score: 8.14098
Type of gen. func.: ogf

$$\frac{3 x^5 - x^4 - 6 x^3 + 3 x + 5}{(x + 1)^2 (x - 1)^4}$$

Sequence: A271998
Score: 6.90098
Type of gen. func.: ogf

$$- \frac{2 (6 x^5 - 10 x^4 - 12 x^3 + 23 x^2 + 6 x - 15)}{(x + 1)^2 (x - 1)^4}$$

Sequence: A271999
Score: 6.48655
Type of gen. func.: ogf

$$\frac{2 x^7 - 4 x^6 - x^5 + 9 x^4 - 6 x^3 - 6 x^2 + 9 x + 1}{(x + 1)^2 (x - 1)^4}$$

Sequence: A272000
Score: 7.47490
Type of gen. func.: ogf

$$\frac{5 x^5 - 3 x^4 - 10 x^3 + 4 x^2 + 5 x + 3}{(x + 1)^2 (x - 1)^4}$$

Sequence: A272007
Score: 9.10651
Type of gen. func.: ogf

$$-\frac{4x^6 - 7x^4 + 24x^3 + 2x^2 + 8x + 1}{(x+1)^3 (x-1)^3}$$

Sequence: A272009
Score: 6.94866
Type of gen. func.: ogf

$$\frac{4x^6 - 7x^4 + 24x^3 + 2x^2 + 8x + 1}{(x+1)^3 (x-1)^4}$$

Sequence: A272010
Score: 7.22740
Type of gen. func.: ogf

$$\frac{4x^5 - x^4 - 8x^3 + 26x^2 + 4x + 7}{(x-1)^2 (x+1)^3}$$

Sequence: A272039
Score: 12.8972
Type of gen. func.: lgdogf

$$-\frac{7x^2 + 38x + 15}{7x^3 + 5x^2 - 11x - 1}$$

Sequence: A272039
Score: 13.9373
Type of gen. func.: ogf

$$-\frac{7x^2 + 12x + 1}{(x-1)^3}$$

Sequence: A272039
Score: 7.14142
Type of gen. func.: ogf

$$(17925 f(x) - 134341) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 7 x^2 - f(x) + 12 x + 1)$$

Sequence: A272039
Score: 7.57993
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 15, a(2) = 49\}$$

Sequence: A272058
Score: 8.43209
Type of gen. func.: lgdogf

$$- \frac{x^5 + x^4 + x^3 - 9 x^2 - 9 x - 3}{x^6 - 2 x^4 - 2 x^3 + 2 x + 1}$$

Sequence: A272058
Score: 8.70410
Type of gen. func.: ogf

$$\frac{x^2 (x^2 + x + 1) (x^2 - x - 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A272066
Score: 6.10703
Type of gen. func.: ogf

$$\frac{729 x (1000 x^2 + 220 x + 1)}{(x - 1) (100 x - 1) (1000 x - 1) (10 x - 1)}$$

Sequence: A272067
Score: 4.41586
Type of gen. func.: ogf

$$-\frac{6561 x (100 x + 1) (10000 x^2 + 3430 x + 1)}{(x - 1) (100 x - 1) (1000 x - 1) (10 x - 1) (10000 x - 1)}$$

Sequence: A272071
Score: 10.3000
Type of gen. func.: lgdogf

$$-\frac{-2 x^4 + 5 x^3 - 11 x^2 - 3 x - 1}{-x^5 + 2 x^4 - 3 x^3 + x^2 - 2 x + 3}$$

Sequence: A272071
Score: 15.3708
Type of gen. func.: ogf

$$\frac{x (x^2 - 2 x + 3)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A272071
Score: 6.12947
Type of gen. func.: ogf

$$\{(n + 4) a(n + 1) + a(n + 2) + a(n + 3) + (-n - 3) a(n + 4), a(0) = 0, a(1) = 3, a(2) = 1, a(3) = 2\}$$

Sequence: A272071
Score: 8.39582
Type of gen. func.: ogf

$$(283 f(x) + 705) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x + 2 x^2 + f(x) - 3 x)$$

Sequence: A272073
Score: 13.6180
Type of gen. func.: ogf

$$\frac{3\,(x+1)^{2}}{x^{4}-4\,x^{2}+1}$$

Sequence: A272073
Score: 7.84065
Type of gen. func.: ogf

$$-(142\,f(x)+3)\,(f(x)\,x^{4}-4\,f(x)\,x^{2}-3\,x^{2}+f(x)-6\,x-3)$$

Sequence: A272073
Score: 8.82074
Type of gen. func.: lgdogf

$$-\frac{-2\,x^{4}-4\,x^{3}+8\,x+2}{-x^{5}-x^{4}+4\,x^{3}+4\,x^{2}-x-1}$$

Sequence: A272100
Score: 10.8121
Type of gen. func.: lgdogf

$$-\frac{13\,x^{3}+27\,x^{2}+69\,x+19}{13\,x^{4}+7\,x^{3}-x^{2}-7\,x-12}$$

Sequence: A272100
Score: 14.7594
Type of gen. func.: ogf

$$\frac{13\,x^{2}+7\,x+12}{(x+1)\,(x-1)^{2}}$$

Sequence: A272100
Score: 7.32159
Type of gen. func.: ogf

$$-(20608 f(x) + 1035913) (f(x) x^3 - f(x) x^2 - f(x) x - 13 x^2 + f(x) - 7 x - 12)$$

Sequence: A272100
Score: 8.08557
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 12, a(1) = 19, a(2) = 44\}$$

Sequence: A272103
Score: 17.4159
Type of gen. func.: lgdogf

$$-\frac{-16 x - 14}{-4 x^2 + 3 x + 1}$$

Sequence: A272103
Score: 5.69147
Type of gen. func.: ogf

$$\{(n + 3) a(n + 3) + (-8 + 3 n) a(n + 2) + (-20 - 4 n) a(n + 1), a(0) = 1,$$
$$a(1) = 14, a(2) = 85\}$$

Sequence: A272103
Score: 9.78421
Type of gen. func.: ogf

$$\frac{(4 x + 1)^2}{(x - 1)^6}$$

Sequence: A272104
Score: 22.0729
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^5 + 2 x^3 + x + 1]$$

Sequence: A272104
Score: 9.64952
Type of gen. func.: ogf

$$-\frac{2 x^3 (x^2 + x + 1) (x^2 - x + 1)}{(x + 1)^2 (x^2 + 1)^2 (x - 1)^3}$$

Sequence: A272105
Score: 3.01607
Type of gen. func.: ogf

$$(2 f(x) x - f(x) - x + 1)^3$$

Sequence: A272123
Score: 4.88381
Type of gen. func.: ogf

$$-(2541 f(x) - 19501)$$

$$(f(x) x^4 + f(x) x^3 - 12 f(x) x^2 + 3 x^3 + 7 f(x) x - 2 x^2 - f(x) + x)$$

Sequence: A272123
Score: 6.55698
Type of gen. func.: lgdogf

$$-\frac{6 x^5 - 3 x^4 + 6 x^2 - 18 x + 5}{3 x^6 + x^5 - 37 x^4 + 46 x^3 - 29 x^2 + 9 x - 1}$$

Sequence: A272123
Score: 9.56965
Type of gen. func.: ogf

$$-\frac{x (3 x^2 - 2 x + 1)}{(x^2 - 3 x + 1) (x^2 + 4 x - 1)}$$

Sequence: A272124
Score: 7.12402
Type of gen. func.: lgdogf

$$-\frac{-3 x^4 - 176 x^3 - 738 x^2 - 480 x - 43}{-3 x^5 - 79 x^4 - 82 x^3 + 126 x^2 + 37 x + 1}$$

Sequence: A272124
Score: 7.77166
Type of gen. func.: ogf

$$-\frac{3 x^4 + 82 x^3 + 164 x^2 + 38 x + 1}{(x - 1)^5}$$

Sequence: A272125
Score: 7.43395
Type of gen. func.: ogf

$$\frac{x (x^4 + 18 x^3 + 42 x^2 + 18 x + 1)}{(x - 1)^6}$$

Sequence: A272125
Score: 7.78460
Type of gen. func.: lgdogf

$$-\frac{-2 x^4 - 58 x^3 - 222 x^2 - 174 x - 24}{-x^5 - 17 x^4 - 24 x^3 + 24 x^2 + 17 x + 1}$$

Sequence: A272126
Score: 5.08787
Type of gen. func.: ogf

$$(1768320 f(x) + 405858869) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 61 x^3 - 4 f(x) x$$

^{2}

$$- 479 x + f(x) - 179 x - 1)$$

Sequence: A272126
Score: 8.26779
Type of gen. func.: lgdogf

$$- \frac{61 x^{3} + 1141 x^{2} + 1495 x + 183}{61 x^{4} + 418 x^{3} - 300 x^{2} - 178 x - 1}$$

Sequence: A272126
Score: 9.67937
Type of gen. func.: ogf

$$\frac{61 x^{3} + 479 x^{2} + 179 x + 1}{(x - 1)^{4}}$$

Sequence: A272127
Score: 7.10571
Type of gen. func.: ogf

$$- \frac{1385 x^{4} + 19028 x^{3} + 18270 x^{2} + 1636 x + 1}{(x - 1)^{5}}$$

Sequence: A272128
Score: 5.12165
Type of gen. func.: ogf

$$\frac{50521 x^{5} + 1073517 x^{4} + 1949762 x^{3} + 540242 x^{2} + 14757 x + 1}{(x - 1)^{6}}$$

Sequence: A272129
Score: 11.1407
Type of gen. func.: lgdogf

```
                                      2
                                -113 x  - 78 x - 1
                         - ----------------------------
                                 3        2
                           -113 x  + 187 x  - 99 x + 25



------------------------------------------------------------------------------

Sequence:  A272129
Score: 12.5119
Type of gen. func.: ogf


                                     2
                                113 x  - 74 x + 25
                              - ------------------
                                            3
                                     (x - 1)



------------------------------------------------------------------------------

Sequence:  A272129
Score: 6.61197
Type of gen. func.: ogf


                          3           2                    2
 -(73 f(x) - 2155) (f(x) x  - 3 f(x) x  + 3 f(x) x + 113 x  - f(x) - 74 x + 25)



------------------------------------------------------------------------------

Sequence:  A272129
Score: 7.13396
Type of gen. func.: ogf


  {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 25, a(1) = 1, a(2) = 41}



------------------------------------------------------------------------------

Sequence:  A272130
Score: 4.98971
Type of gen. func.: ogf


(1126199808 f(x) + 33231619493) (

          4           3           2      3                  2
    f(x) x  - 4 f(x) x  + 6 f(x) x  - 9 x  - 4 f(x) x - 59 x  + f(x) - 27 x - 1

    )



------------------------------------------------------------------------------

Sequence:  A272130
Score: 8.95880
Type of gen. func.: lgdogf


                              3        2
                           9 x  + 145 x  + 199 x + 31
```

```
- -------------------------------
     4        3        2
9 x  + 50 x  - 32 x  - 26 x - 1
```

Sequence: A272130
Score: 9.97942
Type of gen. func.: ogf

$$\frac{9 x^3 + 59 x^2 + 27 x + 1}{(x - 1)^4}$$

Sequence: A272131
Score: 4.67567
Type of gen. func.: ogf

$$(5997302208 f(x) + 3628517868899) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 3223 x^3 - 4 f(x) x + 2201 x^2 + f(x) - 1709 x + 427)$$

Sequence: A272131
Score: 7.74695
Type of gen. func.: lgdogf

$$-\frac{-3223 x^3 - 5267 x^2 - 725 x - 1}{-3223 x^4 + 5424 x^3 - 3910 x^2 + 2136 x - 427}$$

Sequence: A272131
Score: 8.97942
Type of gen. func.: ogf

$$\frac{3223 x^3 - 2201 x^2 + 1709 x - 427}{(x - 1)^4}$$

Sequence: A272132
Score: 6.46050
Type of gen. func.: ogf

$$-\frac{142049 x^4 - 72660 x^3 + 127926 x^2 - 62324 x + 12465}{(x - 1)^5}$$

Sequence: A272133
Score: 4.88718
Type of gen. func.: ogf

$$\frac{8922919 x^5 - 1244143 x^4 + 12594614 x^3 - 8306446 x^2 + 3334387 x - 555731}{(x - 1)^6}$$

Sequence: A272134
Score: 10.6402
Type of gen. func.: ogf

$$\frac{2 x (17 x^2 + 26 x + 2)}{(x - 1)^4}$$

Sequence: A272134
Score: 11.4002
Type of gen. func.: lgdogf

$$-\frac{34 x^2 + 112 x + 34}{17 x^3 + 9 x^2 - 24 x - 2}$$

Sequence: A272134
Score: 3.91183
Type of gen. func.: ogf

$\{(6 + 2 n) a(n + 4) + (14 + 24 n) a(n + 3) + (-121 - 9 n) a(n + 2)$

$+ (-34 - 17 n) a(n + 1), a(0) = 0, a(1) = 4, a(2) = 68, a(3) = 282\}$

Sequence: A272134

Score: 5.39198
Type of gen. func.: ogf

$$-(34920 f(x) + 712147)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 34 x^3 - 4 f(x) x - 52 x^2 + f(x) - 4 x)$$

Sequence: A272144
Score: 12.2091
Type of gen. func.: lgdogf

$$-\frac{10 x^2 - 4}{2 x^3 - x^2 - 2 x + 1}$$

Sequence: A272144
Score: 12.2091
Type of gen. func.: ogf

$$\frac{x^2}{(x + 1) (2 x - 1) (x - 1)^3}$$

Sequence: A272144
Score: 4.00407
Type of gen. func.: ogf

$$\{(-2 n - 8) a(n + 1) + a(n + 2) n + (6 + 2 n) a(n + 3) + (-n - 2) a(n + 4),$$

$$a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 4\}$$

Sequence: A272159
Score: 5.52044
Type of gen. func.: ogf

$$-\frac{x (4 x^{59} + 8 x^{58} + 27 x^4 + 20 x^3 + 12 x^2 + 6 x + 2)}{12 x^{59} - 8 x^{58} - 27 x^6 + 34 x^5 + x^4 - 2 x^3 - 2 x^2 - 2 x - 2}$$

Sequence: A272162
Score: 7.25641
Type of gen. func.: lgdogf

$$-\frac{-x^{5}+65x^{4}+290x^{3}+310x^{2}+55x+1}{-x^{6}+36x^{5}+15x^{4}-10x^{3}-45x^{2}+6x-1}$$

Sequence: A272162
Score: 7.69810
Type of gen. func.: ogf

$$-\frac{x^{5}-35x^{4}-50x^{3}-40x^{2}+5x-1}{(x-1)^{6}}$$

Sequence: A272199
Score: 14.0750
Type of gen. func.: lgdogf

$$-\frac{-26x+2}{-13x^{2}+2x-1}$$

Sequence: A272199
Score: 23.4583
Type of gen. func.: ogf

$$\frac{1}{13x^{2}-2x+1}$$

Sequence: A272199
Score: 8.37796
Type of gen. func.: ogf

$$(29 f(x) - 13) (13 f(x) x^{2} - 2 f(x) x + f(x) - 1)$$

Sequence: A272199

Score: 8.47892
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + 13 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A272212
Score: 7.45035
Type of gen. func.: ogf

$$-\frac{x^{2} (x^{2} + x + 1) (x^{4} - 2 x^{3} + 4 x^{2} - 2 x + 1)}{(x + 1)^{2} (x^{2} + 1)^{2} (x - 1)^{3}}$$

Sequence: A272261
Score: 10.8116
Type of gen. func.: lgdegf]

$$\frac{4 \left(- 1/2 + \frac{(-4 x + 1)^{1/2}}{2}\right)}{4 x - 1}$$

Sequence: A272261
Score: 3.18868
Type of gen. func.: ogf

$$\{(16 + 8 n) a(n + 1) + (8 n^{2} + 32 n + 24) a(n + 2) + (-4 n^{2} - 32 n - 60) a(n + 3) + (n + 4) a(n + 4), a(0) = 1, a(1) = 0, a(2) = 4, a(3) = 40\}$$

Sequence: A272263
Score: 12.2108
Type of gen. func.: ogf

$$\frac{6 x^{2} - 2 x + 1}{(x - 1) (4 x^{2} + 2 x - 1)}$$

Sequence: A272263
Score: 6.59167
Type of gen. func.: ogf

$$(29 f(x) + 43) (4 f(x) x^3 - 2 f(x) x^2 - 3 f(x) x - 6 x^2 + f(x) + 2 x - 1)$$

Sequence: A272263
Score: 6.59168
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 2 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 1, a(2) = 11\}$$

Sequence: A272263
Score: 7.16212
Type of gen. func.: lgdogf

$$- \frac{-24 x^4 + 16 x^3 - 34 x^2 + 16 x + 1}{-24 x^5 + 20 x^4 + 10 x^3 - 10 x^2 + 5 x - 1}$$

Sequence: A272266
Score: 8.09782
Type of gen. func.: ogf

$$- \frac{x^6 - x^5 - x^3 + 5 x^2 + 3 x + 1}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A272267
Score: 6.37017
Type of gen. func.: ogf

$$- \frac{x^{10} + 4 x^7 + 5 x^6 + x^5 + 12 x^4 + 3 x^3 + 5 x^2 + 4 x + 1}{(x^4 + x^3 + x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A272297

Score: 7.90558
Type of gen. func.: lgdogf

$$-\frac{65 x^4 - 230 x^3 + 450 x^2 - 230 x + 65}{65 x^5 - 310 x^4 + 640 x^3 - 650 x^2 + 319 x - 64}$$

Sequence: A272297
Score: 8.74986
Type of gen. func.: ogf

$$-\frac{65 x^4 - 245 x^3 + 395 x^2 - 255 x + 64}{(x - 1)^5}$$

Sequence: A272298
Score: 8.44654
Type of gen. func.: ogf

$$-\frac{325 x^4 - 1285 x^3 + 1955 x^2 - 1295 x + 324}{(x - 1)^5}$$

Sequence: A272299
Score: 12.9325
Type of gen. func.: ogf

$$\frac{x (2 x + 1) (3 x^2 + 2 x + 1)}{(x + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A272303
Score: 8.59497
Type of gen. func.: ogf

$$-\frac{2 (x^7 - x^6 + x^5 - x^4 + x^3 + x^2 + 54 x - 57)}{(x - 1)^2}$$

Sequence: A272305
Score: 5.64229
Type of gen. func.: ogf

$$\frac{2 (10 x^{19} - 20 x^{18} + 10 x^{17} + 18 x^{11} - 36 x^{10} + 18 x^{9} + 4 x^{7} - 8 x^{6} + 10 x^{5} - 12 x^{4} + 8 x^{3} - 4 x^{2} + 3)}{(x - 1)^{2}}$$

Sequence: A272342
Score: 10.5798
Type of gen. func.: ogf

$$\{a(n + 1) - 8 a(n), a(0) = 27\}$$

Sequence: A272342
Score: 13.3508
Type of gen. func.: ogf

$$-8 f(x) x + f(x) - 27$$

Sequence: A272342
Score: 20.0261
Type of gen. func.: lgdogf

$$\frac{8}{-8 x + 1}$$

Sequence: A272342
Score: 21.5666
Type of gen. func.: ogf

$$- \frac{27}{8 x - 1}$$

Sequence: A272352
Score: 10.6826
Type of gen. func.: ogf

$$\frac{6 x^2 - 15 x + 10}{(2 x - 1) (x - 1)^3}$$

Sequence: A272352
Score: 4.89334
Type of gen. func.: ogf

$$\{(-2 n - 16) a(n + 1) + (3 n + 20) a(n + 2) + (-n - 6) a(n + 3), a(0) = 10, a(1) = 35, a(2) = 91\}$$

Sequence: A272352
Score: 5.41762
Type of gen. func.: ogf

$$(53833 f(x) - 181316) (2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 - 5 f(x) x - 6 x^2 + f(x) + 15 x - 10)$$

Sequence: A272352
Score: 8.52211
Type of gen. func.: lgdogf

$$- \frac{24 x^3 - 84 x^2 + 98 x - 35}{12 x^4 - 48 x^3 + 71 x^2 - 45 x + 10}$$

Sequence: A272357
Score: 4.00984
Type of gen. func.: ogf

$$\{(-127 n^2 - 449 n - 390) a(n + 1) + (149 n^2 + 103 n + 474) a(n + 2) + (-22 n^2 - 74 n - 60) a(n + 3), a(0) = 0, a(1) = 8, a(2) = 520\}$$

Sequence: A272357
Score: 7.77417
Type of gen. func.: ogf

$$-\frac{8 x (62 x^3 + 192 x^2 + 60 x + 1)}{(x - 1)^5}$$

Sequence: A272357
Score: 8.19214
Type of gen. func.: lgdogf

$$-\frac{124 x^3 + 762 x^2 + 624 x + 65}{62 x^4 + 130 x^3 - 132 x^2 - 59 x - 1}$$

Sequence: A272358
Score: 6.17463
Type of gen. func.: ogf

$$\frac{8 x (1382 x^4 + 7192 x^3 + 5097 x^2 + 502 x + 2)}{(x - 1)^6}$$

Sequence: A272361
Score: 3.04276
Type of gen. func.: ogf

$$\frac{182 (x + 1)}{(x - 1)^2}$$

Sequence: A272361
Score: 9.7484
Type of gen. func.: ogf

$$(8 f(x) + 5915) (f(x) x^2 - 2 f(x) x + f(x) - 182 x - 182)$$

Sequence: A272362
Score: 10.7865
Type of gen. func.: ogf

$$-\frac{x^4 + x^3 + x^2 - x - 1}{(x - 1)\,(x^4 + 2\,x^3 + 2\,x^2 + x - 1)}$$

Sequence: A272365
Score: 12.4125
Type of gen. func.: ogf

$$-\frac{2\,(17\,x^2 - 28\,x + 5)}{(x - 1)\,(x^2 - 8\,x + 1)}$$

Sequence: A272365
Score: 6.61998
Type of gen. func.: ogf

$$(1965\,f(x) - 1282)\,(f(x)\,x^3 - 9\,f(x)\,x^2 + 9\,f(x)\,x + 34\,x^2 - f(x) - 56\,x + 10)$$

Sequence: A272365
Score: 6.84825
Type of gen. func.: ogf

$$\{-a(n + 3) + 9\,a(n + 2) - 9\,a(n + 1) + a(n),\ a(0) = 10,\ a(1) = 34,\ a(2) = 250\}$$

Sequence: A272365
Score: 7.22179
Type of gen. func.: lgdogf

$$-\frac{-17\,x^4 + 56\,x^3 - 114\,x^2 + 56\,x - 17}{-17\,x^5 + 181\,x^4 - 410\,x^3 + 314\,x^2 - 73\,x + 5}$$

Sequence: A272378
Score: 10.5248
Type of gen. func.: ogf

$$x\,(x + 1)\,(17\,x + 1)$$

$$\overline{\qquad (x - 1)^{4} \qquad}$$

Sequence: A272378
Score: 11.4400
Type of gen. func.: lgdogf

$$-\frac{34 x^{2} + 88 x + 22}{17 x^{3} + x^{2} - 17 x - 1}$$

Sequence: A272378
Score: 3.90771
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (12 + 17 n) a(n + 3) + (-89 - n) a(n + 2)$$

$$+ (-34 - 17 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 22, a(3) = 99\}$$

Sequence: A272378
Score: 5.12569
Type of gen. func.: ogf

$$-(16440408 f(x) + 129108511)$$

$$(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 17 x^{3} - 4 f(x) x - 18 x^{2} + f(x) - x)$$

Sequence: A272379
Score: 3.86232
Type of gen. func.: ogf

$$\{(-2874 n^{2} - 8945 n - 6394) a(n + 1) + (3396 n^{2} + 1270 n + 12236) a(n + 2)$$

$$+ (-522 n^{2} - 1733 n - 1378) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 86\}$$

Sequence: A272379
Score: 8.08673
Type of gen. func.: lgdogf

$$^{3} \qquad\qquad ^{2}$$

$$-\frac{310 x + 1482 x + 1002 x + 86}{155 x^4 + 184 x^3 - 258 x^2 - 80 x - 1}$$

Sequence: A272379
Score: 8.08673
Type of gen. func.: ogf

$$-\frac{x (155 x^3 + 339 x^2 + 81 x + 1)}{(x - 1)^5}$$

Sequence: A272380
Score: 6.52439
Type of gen. func.: ogf

$$\frac{x (2073 x^4 + 7712 x^3 + 4278 x^2 + 336 x + 1)}{(x - 1)^6}$$

Sequence: A272397
Score: 13.5938
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^7 - x^5 - x^2 - 1}{-x^9 + 1}$$

Sequence: A272398
Score: 7.12188
Type of gen. func.: ogf

$$-\frac{x^6 + x^5 + 6 x^4 + 5 x^3 + 4 x + 1}{(x + 1) (x^2 + 1)^2 (x - 1)^3}$$

Sequence: A272399
Score: 11.6936

Type of gen. func.: lgdogf

$$-\frac{10 x^2 + 70 x + 28}{10 x^3 + 15 x^2 - 24 x - 1}$$

Sequence: A272399
Score: 12.9929
Type of gen. func.: ogf

$$-\frac{10 x^2 + 25 x + 1}{(x - 1)^3}$$

Sequence: A272399
Score: 6.82125
Type of gen. func.: ogf

$$(2512 f(x) - 37057) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 10 x^2 - f(x) + 25 x + 1)$$

Sequence: A272399
Score: 7.18026
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 28, a(2) = 91\}$$

Sequence: A272417
Score: 2.51192
Type of gen. func.: ogf

$$(1171 f(x) - 525) (8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x + 2 x^2 - f(x) + x + 1)$$

Sequence: A272417
Score: 4.74024
Type of gen. func.: ogf

$$-\frac{2 x^2 + x + 1}{}$$

$$(2 x - 1) (4 x - 1) (x - 1)$$

Sequence: A272459
Score: 8.21819
Type of gen. func.: lgdogf

$$-\frac{-3 x^{4} - 14 x^{3} - 34 x^{2} - 22 x - 7}{-x^{5} - 3 x^{4} - 4 x^{3} + 2 x^{2} + 5 x + 1}$$

Sequence: A272459
Score: 8.38764
Type of gen. func.: ogf

$$\frac{x (x^{3} + 3 x^{2} + 5 x + 1)}{(x + 1)^{2} (x - 1)^{4}}$$

Sequence: A272492
Score: 3.28751
Type of gen. func.: ogf

$$\{(n^{3} + 15 n^{2} + 74 n + 120) a(n + 1) + (-n^{2} - 11 n - 30) a(n + 2) + (-2 n - 12) a(n + 3) + 2 a(n + 4), a(0) = 1, a(1) = 3, a(2) = 18, a(3) = 90\}$$

Sequence: A272492
Score: 5.11124
Type of gen. func.: egf]

$$\frac{2 (x^{6} + 6 x^{4} - 16 x^{3} + 6 x^{2} + 4)}{(x - 1)^{3} (x^{2} - 2)^{3}}$$

Sequence: A272525
Score: 13.1063
Type of gen. func.: ogf

$$\frac{1}{(10 x - 1)^2 (x - 1)^2}$$

Sequence: A272525
Score: 14.1145
Type of gen. func.: lgdogf

$$- \frac{40 x - 22}{10 x^2 - 11 x + 1}$$

Sequence: A272525
Score: 4.67487
Type of gen. func.: ogf

$$\{(-n - 3) a(n + 3) + (44 + 11 n) a(n + 2) + (-50 - 10 n) a(n + 1), a(0) = 1,$$
$$a(1) = 22, a(2) = 343\}$$

Sequence: A272525
Score: 5.51845
Type of gen. func.: ogf

$$(727439 f(x) + 18500)$$
$$(100 f(x) x^4 - 220 f(x) x^3 + 141 f(x) x^2 - 22 f(x) x + f(x) - 1)$$

Sequence: A272549
Score: 7.88549
Type of gen. func.: ogf

$$- \frac{x (x^7 - x^6 + 3 x^5 + 3 x^4 + 7 x^3 - 3 x^2 + 5 x + 1)}{(x + 1)^2 (x^2 + 1)^2 (x - 1)^3}$$

Sequence: A272564
Score: 6.68091
Type of gen. func.: ogf

$$\frac{4x^{11} - 8x^{9} + 4x^{8} + 4x^{7} - 4x^{5} - x^{4} - 20x^{3} - 2x^{2} - 8x - 1}{(x + 1)^{3} (x - 1)^{3}}$$

Sequence: A272566
Score: 5.47989
Type of gen. func.: ogf

$$-\frac{4x^{11} - 8x^{9} + 4x^{8} + 4x^{7} - 4x^{5} - x^{4} - 20x^{3} - 2x^{2} - 8x - 1}{(x + 1)^{3} (x - 1)^{4}}$$

Sequence: A272567
Score: 6.13171
Type of gen. func.: ogf

$$-\frac{4x^{10} - 8x^{8} + 4x^{7} + 4x^{6} - 3x^{4} - 22x^{2} - 4x - 7}{(x - 1)^{2} (x + 1)^{3}}$$

Sequence: A272574
Score: 9.09665
Type of gen. func.: ogf

$$\frac{x (3x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A272576
Score: 8.70350
Type of gen. func.: ogf

$$\frac{x (3x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}{(x^{4} + 1) (x + 1) (x^{2} + 1) (x - 1)^{2}}$$

Sequence: A272582

Score: 14.2450
Type of gen. func.: lgdegf]

$$-\frac{-4\,x+14}{-x^{2}+4\,x-3}$$

Sequence: A272582
Score: 4.10591
Type of gen. func.: ogf

$$\{(-4\,n^{2}-24\,n-32)\,a(n+1)+(-3\,n^{2}-23\,n-48)\,a(n+2)$$

$$+(6+3\,n)\,a(n+3),\ a(0)=0,\ a(1)=9,\ a(2)=84\}$$

Sequence: A272582
Score: 9.30673
Type of gen. func.: egf]

$$\frac{3\,x\,(x-3)}{(x-1)^{5}}$$

Sequence: A272586
Score: 2.08436
Type of gen. func.: ogf

$$-(2388\,f(x)-40363)$$

$$(8\,f(x)\,x^{3}-8\,x^{4}-14\,f(x)\,x^{2}-18\,x^{3}+7\,f(x)\,x+19\,x^{2}-f(x)-2\,x+1)$$

Sequence: A272586
Score: 3.67369
Type of gen. func.: ogf

$$\frac{8\,x^{4}+18\,x^{3}-19\,x^{2}+2\,x-1}{(2\,x-1)\,(4\,x-1)\,(x-1)}$$

Sequence: A272632
Score: 12.4284

Type of gen. func.: ogf

$$-\frac{4x^3+3x^2+6x+4}{x^4+x^2-1}$$

Sequence: A272632
Score: 7.54994
Type of gen. func.: ogf

$$-(206 f(x)+9)(f(x)x^4+f(x)x^2+4x^3+3x^2-f(x)+6x+4)$$

Sequence: A272636
Score: 13.0864
Type of gen. func.: ogf

$$-\frac{x(6x^6+2x^5+5x^4+3x^3+2x^2+x+1)}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A272638
Score: 6.01434
Type of gen. func.: ogf

$$(10x^{12}+5x^{11}+5x^{10}-6x^9+3x^8-x^7-12x^6-7x^5-6x^4-x^3-5x^2-4x-1) / ((x-1)(x+1)(x^2+x+1)(x^2-x+1))$$

Sequence: A272642
Score: 10.4961
Type of gen. func.: ogf

$$\frac{x^4+x^3+x^2-x-1}{x^4+2x^3+2x^2+x-1}$$

Sequence: A272642
Score: 5.94779
Type of gen. func.: ogf

$$-(f(x) - 19) (f(x) x^4 + 2 f(x) x^3 - x^4 + 2 f(x) x^2 - x^3 + f(x) x - x^2 - f(x) + x + 1)$$

Sequence: A272646
Score: 6.72769
Type of gen. func.: ogf

$$\{-2 a(n + 1) + (-4 n - 9) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 1, a(2) = 7\}$$

Sequence: A272647
Score: 10.3026
Type of gen. func.: ogf

$$-\frac{x^6 + 3 x^5 + 5 x^4 + 4 x^3 + 5 x^2 + 3 x + 1}{(x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A272648
Score: 5.72488
Type of gen. func.: ogf

$$-(6 x^7 + 1) (x^6 + x^5 + x^3 + x + 1) / ((x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x + 1) (x^6 - x^5 + x^4 - x^3 + x^2 - x + 1))$$

Sequence: A272651
Score: 11.9210
Type of gen. func.: lgdogf

$$-\frac{4}{-x^3 + 3 x^2 - x - 1}$$

Sequence: A272651

Score: 5.14239
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 4, a(2) = 6\}$$

Sequence: A272651
Score: 5.40746
Type of gen. func.: ogf

$$-(f(x) + 3) (f(x) x^2 - 2 f(x) x + x^2 + f(x) - 2 x - 1)$$

Sequence: A272651
Score: 9.89668
Type of gen. func.: ogf

$$-\frac{x^2 - 2 x - 1}{(x - 1)^2}$$

Sequence: A272664
Score: 6.73296
Type of gen. func.: ogf

$$\frac{x^2 (x^4 - x^3 - 1) (x^4 - x^2 + 1)}{(x - 1) (x + 1)}$$

Sequence: A272665
Score: 10.6988
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 - 6 x^2 + 2}{-x^4 - 2 x^3 + 2 x - 1}$$

Sequence: A272665
Score: 16.1671
Type of gen. func.: ogf

$$\frac{x^2}{x^4 + 2x^3 - 2x + 1}$$

Sequence: A272665
Score: 5.96326
Type of gen. func.: ogf

$\{-a(n + 4) + 2 a(n + 3) - 2 a(n + 1) - a(n), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 2\}$

Sequence: A272665
Score: 8.98169
Type of gen. func.: ogf

$$f(x) x^4 + 2 f(x) x^3 - 2 f(x) x - x^2 + f(x)$$

Sequence: A272671
Score: 8.13888
Type of gen. func.: ogf

$$\frac{120 x^{18} - 120 x^{17} + 7 x^7 + 24 x^6 - 31 x^5 + 6 x^3 + x^2 - 3 x - 6}{(x - 1)^3}$$

Sequence: A272673
Score: 5.31429
Type of gen. func.: ogf

$$x (1135 x^{21} - 2160 x^{20} + 1025 x^{19} + 135 x^8 - 236 x^7 + 101 x^6 + 25 x^3 - 39 x^2 + 18 x - 6) / (x - 1)^3$$

Sequence: A272686
Score: 5.07502
Type of gen. func.: ogf

$$f(x)^2 x^3 - f(x) x^4 + 5 f(x) x^3 - x^4 - 6 f(x) x^2 + 4 x^3 + 5 f(x) x - 5 x^2 - f(x) + 3 x$$

Sequence: A272687
Score: 7.41778
Type of gen. func.: ogf

$$f(x)^2 x^2 + f(x) x^3 - 4 f(x) x^2 - x^3 + 4 f(x) x + 3 x^2 - f(x) - 3 x + 1$$

Sequence: A272690
Score: 14.8153
Type of gen. func.: ogf

$$- \frac{24 x - 1}{(46 x - 1) (2 x - 1)}$$

Sequence: A272690
Score: 7.48565
Type of gen. func.: ogf

$$-(121 f(x) - 49) (92 f(x) x^2 - 48 f(x) x + f(x) + 24 x - 1)$$

Sequence: A272690
Score: 8.36631
Type of gen. func.: ogf

$$\{a(n + 2) - 48 a(n + 1) + 92 a(n), a(0) = 1, a(1) = 24\}$$

Sequence: A272690
Score: 9.23553
Type of gen. func.: lgdogf

$$- \frac{-2208 x^2 + 184 x - 24}{-2208 x^3 + 1244 x^2 - 72 x + 1}$$

Sequence: A272705
Score: 8.73529
Type of gen. func.: ogf

$$-\frac{9 x^4 + 4 x^3 + 6 x^2 + 4 x + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A272706
Score: 2.3325
Type of gen. func.: ogf

$$-(f(x) - 76)$$

$$(8 f(x) x^3 - 14 f(x) x^2 + 24 x^3 + 7 f(x) x + 4 x^2 - f(x) - 2 x + 1)$$

Sequence: A272706
Score: 4.13937
Type of gen. func.: ogf

$$-\frac{(2 x + 1) (12 x^2 - 4 x + 1)}{(2 x - 1) (4 x - 1) (x - 1)}$$

Sequence: A272707
Score: 7.99344
Type of gen. func.: ogf

$$\frac{9 x^4 + 4 x^3 + 6 x^2 + 4 x + 1}{(x + 1)^2 (x - 1)^4}$$

Sequence: A272708
Score: 10.2870
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 2 x^3 + 12 x^2 + 6 x + 2}{2 x^5 + x^4 - 2 x - 1}$$

Sequence: A272708
Score: 12.8192
Type of gen. func.: ogf

$$\frac{4 (2 x + 1) (x^2 + 1)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A272708
Score: 7.71526
Type of gen. func.: ogf

$$-(24 f(x) - 307) (f(x) x^4 - 2 f(x) x^2 - 8 x^3 - 4 x^2 + f(x) - 8 x - 4)$$

Sequence: A272743
Score: 2.69261
Type of gen. func.: ogf

$$-(859 f(x) - 47) (4 f(x) x^2 - 4 x^3 - 5 f(x) x + 4 x^2 + f(x) - 1)$$

Sequence: A272743
Score: 4.91284
Type of gen. func.: ogf

$$\frac{4 x^3 - 4 x^2 + 1}{(4 x - 1) (x - 1)}$$

Sequence: A272758
Score: 6.29357
Type of gen. func.: ogf

$$- (152 x^{11} + 144 x^{10} + 128 x^9 + 64 x^8 + 36 x^7 + 32 x^6 + 27 x^5 + 16 x^4 + 9 x^3 + 8 x^2 + 4 x + 1) / (64 x^{11} - 1)$$

Sequence: A272762
Score: 2.79950
Type of gen. func.: ogf

$$-\frac{56 x^4 - 40 x^3 + 20 x^2 - 7 x + 1}{(x - 1) (3 x - 1) (4 x - 1) (2 x - 1)^2}$$

Sequence: A272813
Score: 10.0186
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A272813
Score: 13.7543
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + x$$

Sequence: A272813
Score: 24.5911
Type of gen. func.: ogf

$$\frac{x}{(x - 1)^2}$$

Sequence: A272813
Score: 28.9823
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A272813
Score: 62.2002
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A272832
Score: 2.85577
Type of gen. func.: ogf

$$\frac{48 x^{6} - 92 x^{5} + 36 x^{4} + 6 x^{2} - 5 x + 1}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A272839
Score: 3.30219
Type of gen. func.: ogf

$$\frac{8 x^{6} - 24 x^{4} + 10 x^{2} - 3 x + 1}{(4 x - 1) (2 x - 1) (x - 1)^{2}}$$

Sequence: A272850
Score: 6.56454
Type of gen. func.: ogf

$$- \frac{x^{4} + 40 x^{3} + 110 x^{2} + 40 x + 1}{(x - 1)^{5}}$$

Sequence: A272853
Score: 2.7824
Type of gen. func.: ogf

$-(10440910686159 f(x) + 288421025849)$

$$(f(x) x^{3} - 82 f(x) x^{2} - 82 f(x) x - x^{2} + f(x) - 53 x - 9)$$

Sequence: A272853
Score: 3.29251
Type of gen. func.: ogf

$\{a(n + 3) - 82 a(n + 2) - 82 a(n + 1) + a(n), a(0) = 9, a(1) = 791,$

$a(2) = 65601\}$

Sequence: A272853
Score: 6.17345
Type of gen. func.: ogf

$$\frac{x^2 + 53\ x + 9}{(x + 1)\ (x^2 - 83\ x + 1)}$$

Sequence: A272854
Score: 2.96705
Type of gen. func.: ogf

$(226074827529\ f(x) - 6023786108)$

$(f(x)\ x^3 - 82\ f(x)\ x^2 - 82\ f(x)\ x + 2\ x^2 + f(x) + 8\ x - 10)$

Sequence: A272854
Score: 3.28583
Type of gen. func.: ogf

$\{a(n + 3) - 82\ a(n + 2) - 82\ a(n + 1) + a(n),\ a(0) = 10,\ a(1) = 812,$

$a(2) = 67402\}$

Sequence: A272854
Score: 6.21228
Type of gen. func.: ogf

$$- \frac{2\ (x + 5)\ (x - 1)}{(x + 1)\ (x^2 - 83\ x + 1)}$$

Sequence: A272855
Score: 2.96348
Type of gen. func.: ogf

$(192569652387\ f(x) - 3228516226)$

$(f(x)\ x^3 - 82\ f(x)\ x^2 - 82\ f(x)\ x + 2\ x^2 + f(x) - 26\ x - 12)$

Sequence: A272855
Score: 3.27927
Type of gen. func.: ogf

{-a(n + 3) + 82 a(n + 2) + 82 a(n + 1) - a(n), a(0) = 12, a(1) = 1010,

a(2) = 83802}

Sequence: A272855
Score: 6.15494
Type of gen. func.: ogf

$$-\frac{2 (x^2 - 13 x - 6)}{(x + 1) (x^2 - 83 x + 1)}$$

Sequence: A272870
Score: 7.47715
Type of gen. func.: lgdogf

$$-\frac{-4 x^4 + 10 x^3 + 108 x^2 + 10 x - 4}{-4 x^5 + 17 x^4 + 10 x^3 - 32 x^2 + 10 x - 1}$$

Sequence: A272870
Score: 8.01674
Type of gen. func.: ogf

$$\frac{4 x^4 - 13 x^3 - 23 x^2 + 9 x - 1}{(x - 1)^5}$$

Sequence: A272871
Score: 14.7221
Type of gen. func.: ogf

$$\frac{24 x^2}{}$$

$$(x-1)^4$$

Sequence: A272871
Score: 28.3926
Type of gen. func.: lgdogf

$$\frac{4}{-x+1}$$

Sequence: A272871
Score: 60.7198
Type of gen. func.: ogf_with_Euler_transform]

[4]

Sequence: A272871
Score: 7.42984
Type of gen. func.: ogf

$$\{a(n+2)\,n + (-n-3)\,a(n+1),\ a(0)=0,\ a(1)=0,\ a(2)=24\}$$

Sequence: A272871
Score: 7.94993
Type of gen. func.: ogf

$$-f(x)\,x^4 + 4\,f(x)\,x^3 - 6\,f(x)\,x^2 + 4\,f(x)\,x + 24\,x^2 - f(x)$$

Sequence: A272912
Score: 14.2799
Type of gen. func.: ogf

$$\frac{x^5 - x - 1}{x^4 + x^2 - 1}$$

Sequence: A272912
Score: 8.75222

Type of gen. func.: ogf

$$(3 f(x) - 1) (f(x) x^4 - x^5 + f(x) x^2 - f(x) + x + 1)$$

Sequence: A272913
Score: 3.42828
Type of gen. func.: ogf

$$\{(-512 n^2 - 1536 n - 1152) a(n + 1) + (72 n^2 + 384 n + 600) a(n + 2) + (-n^2 - 3 n - 2) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 6912\}$$

Sequence: A272915
Score: 9.65031
Type of gen. func.: ogf

$$\frac{x (2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 1)}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A272921
Score: 2.90985
Type of gen. func.: ogf

$$\frac{32 x^5 - 32 x^4 - 16 x^3 + 14 x^2 - 5 x + 1}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A272931
Score: 11.3502
Type of gen. func.: lgdogf

$$- \frac{4 x^2 - 16 x + 1}{4 x^3 - 9 x^2 + 3 x - 2}$$

Sequence: A272931
Score: 16.3948

Type of gen. func.: ogf

$$-\frac{x - 2}{4 x^{2} - x + 1}$$

Sequence: A272931
Score: 8.38367
Type of gen. func.: ogf

$$(90 f(x) - 179) (4 f(x) x^{2} - f(x) x + f(x) + x - 2)$$

Sequence: A272931
Score: 8.99712
Type of gen. func.: ogf

{a(n + 2) - a(n + 1) + 4 a(n), a(0) = 2, a(1) = 1}

Sequence: A272952
Score: 6.75190
Type of gen. func.: ogf

$$-\frac{x^{5} + x^{4} - 3 x^{3} - 2 x^{2} + 4 x + 2}{(x^{2} + x - 1) (x - 1)^{2} (x + 1)^{2}}$$

Sequence: A272959
Score: 2.07944
Type of gen. func.: ogf

$$(f(x) - 1)^{2}$$

Sequence: A272975
Score: 12.1416
Type of gen. func.: lgdogf

$$-\frac{10 x^{2} + 26 x + 12}{{}^{3} \qquad {}^{2}}$$

$$5 x + 7 x - 5 x - 7$$

Sequence: A272975
Score: 14.2717
Type of gen. func.: ogf

$$\frac{x (5 x + 7)}{(x + 1) (x - 1)^{2}}$$

Sequence: A272975
Score: 7.19901
Type of gen. func.: ogf

$$(4128 f(x) + 6941) (f(x) x^{3} - f(x) x^{2} - f(x) x - 5 x^{2} + f(x) - 7 x)$$

Sequence: A272975
Score: 7.26329
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 7, a(2) = 12\}$$

Sequence: A272978
Score: 10.5559
Type of gen. func.: ogf

$$- \frac{x^{32} - x^{31} + x^{27} - x^{26} + x^{6} - x^{5} - 1}{(x - 1)^{2}}$$

Sequence: A272982
Score: 4.61271
Type of gen. func.: ogf

$$- \frac{360 x^{6} - 2100 x^{5} + 5106 x^{4} - 6615 x^{3} + 4795 x^{2} - 1820 x + 280}{(3 x - 1) (2 x - 1)^{3} (x - 1)^{5}}$$

Sequence: A272985
Score: 15.8248
Type of gen. func.: ogf

$$\frac{32 x^8 + 48 x^7 - 1}{2 x - 1}$$

Sequence: A272985
Score: 8.67811
Type of gen. func.: lgdogf

$$-\frac{-448 x^8 - 320 x^7 + 336 x^6 - 2}{64 x^9 + 64 x^8 - 48 x^7 - 2 x + 1}$$

Sequence: A273050
Score: 12.6237
Type of gen. func.: ogf

$$\frac{x (6 x + 5)}{(x - 1) (x + 1) (8 x^2 - 1)}$$

Sequence: A273050
Score: 6.82709
Type of gen. func.: ogf

$$-(3903 f(x) - 799) (8 f(x) x^4 - 9 f(x) x^2 - 6 x^2 + f(x) - 5 x)$$

Sequence: A273052
Score: 10.6351
Type of gen. func.: lgdogf

$$-\frac{x^2 + 2 x - 17}{x^3 - 15 x^2 - 15 x + 1}$$

Sequence: A273052
Score: 15.4903
Type of gen. func.: ogf

$$\frac{2 (x + 1)}{x^2 - 16 x + 1}$$

Sequence: A273052
Score: 8.00623
Type of gen. func.: ogf

$$(135 f(x) + 19) (f(x) x^2 - 16 f(x) x + f(x) - 2 x - 2)$$

Sequence: A273052
Score: 8.48279
Type of gen. func.: ogf

$$\{-a(n + 2) + 16 a(n + 1) - a(n), a(0) = 2, a(1) = 34\}$$

Sequence: A273053
Score: 12.3642
Type of gen. func.: ogf

$$-f(x) x^2 + 8 f(x) x - f(x) + 4 x$$

Sequence: A273053
Score: 15.1976
Type of gen. func.: lgdogf

$$- \frac{2 x - 8}{x^2 - 8 x + 1}$$

Sequence: A273053
Score: 19.7158
Type of gen. func.: ogf

$$\frac{4 x}{}$$

$$x^2 - 8x + 1$$

Sequence: A273053
Score: 9.00599
Type of gen. func.: ogf

$$\{a(n+2) - 8a(n+1) + a(n),\ a(0) = 0,\ a(1) = 4\}$$

Sequence: A273054
Score: 5.27608
Type of gen. func.: ogf

$$-(1758260790 f(x) - 557380049)$$

$$(f(x) x^4 - 340 f(x) x^2 - 4x^3 - 22x^2 + f(x) - 22x - 4)$$

Sequence: A273054
Score: 9.63457
Type of gen. func.: ogf

$$\frac{2(x+1)(2x^2 + 9x + 2)}{x^4 - 340x^2 + 1}$$

Sequence: A273109
Score: 5.84051
Type of gen. func.: ogf

$$\frac{8x^5 + 4x^4 - 1}{2x - 1}$$

Sequence: A273123
Score: 10.4442
Type of gen. func.: ogf

$$\{-a(n+2) + 4a(n),\ a(0) = 85,\ a(1) = 130\}$$

Sequence: A273123
Score: 15.9037
Type of gen. func.: ogf

$$-\frac{5\,(26\,x+17)}{(2\,x-1)\,(2\,x+1)}$$

Sequence: A273123
Score: 8.97132
Type of gen. func.: ogf

$$-(34\,f(x)-2045)\,(4\,f(x)\,x^2-f(x)+130\,x+85)$$

Sequence: A273123
Score: 9.45624
Type of gen. func.: lgdogf

$$-\frac{104\,x^2+136\,x+26}{104\,x^3+68\,x^2-26\,x-17}$$

Sequence: A273131
Score: 6.93425
Type of gen. func.: ogf

$$\frac{48\,x^{13}+104\,x^{12}+16\,x^9+8\,x^8+12\,x^7+10\,x^6+4\,x^5+4\,x^4+2\,x^3-1}{2\,x-1}$$

Sequence: A273144
Score: 7.52369
Type of gen. func.: ogf

$$-\frac{x^7+4\,x^6+22\,x^5+17\,x^4+25\,x^3+18\,x^2+8\,x+1}{(x^2+1)\,(x+1)^3\,(x-1)^3}$$

Sequence: A273145

Score: 2.06968
Type of gen. func.: ogf

$$-(62933 f(x) - 319261)$$

$$(8 f(x) x^3 - 8 x^4 - 14 f(x) x^2 + 10 x^3 + 7 f(x) x - x^2 - f(x) + x + 1)$$

Sequence: A273145
Score: 3.72019
Type of gen. func.: ogf

$$\frac{8 x^4 - 10 x^3 + x^2 - x - 1}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A273146
Score: 5.97482
Type of gen. func.: ogf

$$\frac{x^7 + 4 x^6 + 22 x^5 + 17 x^4 + 25 x^3 + 18 x^2 + 8 x + 1}{(x + 1)^3 (x^2 + 1) (x - 1)^4}$$

Sequence: A273147
Score: 6.10933
Type of gen. func.: ogf

$$\frac{3 x^5 + 23 x^4 + 18 x^3 + 26 x^2 + 19 x + 7}{(x^2 + 1) (x - 1)^2 (x + 1)^3}$$

Sequence: A273165
Score: 4.67335
Type of gen. func.: ogf

$$- \frac{2 x^{25} - x^{23} + x^{21} - x^{19} + x^{18} - 2 x^{17} + 2 x^{16} - x^{12} + x^{11} - x^8 + x^6 + 2}{x - 1}$$

Sequence: A273180
Score: 10.1583
Type of gen. func.: ogf

$$\frac{4 x^{4} + 2 x^{3} + 6 x^{2} + 2 x + 1}{(x - 1) (x^{2} + x + 1) (16 x^{3} - 1)}$$

Sequence: A273182
Score: 15.3264
Type of gen. func.: lgdogf

$$- \frac{2 x - 6}{x^{2} - 6 x + 1}$$

Sequence: A273182
Score: 21.6373
Type of gen. func.: ogf

$$\frac{14}{x^{2} - 6 x + 1}$$

Sequence: A273182
Score: 8.35986
Type of gen. func.: ogf

$$(1189 f(x) + 1498) (f(x) x^{2} - 6 f(x) x + f(x) - 14)$$

Sequence: A273182
Score: 8.75795
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - a(n), a(0) = 14, a(1) = 84\}$$

Sequence: A273187
Score: 10.9603
Type of gen. func.: ogf

$$-\frac{49 x^2 - 244 x + 99}{(x - 1) (x^2 - 6 x + 1)}$$

Sequence: A273187
Score: 5.56577
Type of gen. func.: ogf

$$(3305566 f(x) + 21807911) (f(x) x^3 - 7 f(x) x^2 + 7 f(x) x + 49 x^2 - f(x) - 244 x + 99)$$

Sequence: A273187
Score: 6.03744
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) - 7 a(n + 1) + a(n), a(0) = 99, a(1) = 449, a(2) = 2499\}$$

Sequence: A273189
Score: 11.3082
Type of gen. func.: ogf

$$-\frac{x^2 + 44 x + 51}{(x - 1) (x^2 - 6 x + 1)}$$

Sequence: A273189
Score: 5.65411
Type of gen. func.: ogf

$$(3305566 f(x) - 11305561) (f(x) x^3 - 7 f(x) x^2 + 7 f(x) x + x^2 - f(x) + 44 x + 51)$$

Sequence: A273189
Score: 6.03744
Type of gen. func.: ogf

{a(n + 3) - 7 a(n + 2) + 7 a(n + 1) - a(n), a(0) = 51, a(1) = 401, a(2) = 2451}

Sequence: A273189
Score: 6.47653
Type of gen. func.: lgdogf

$$-\frac{-x^4 - 88 x^3 + 162 x^2 + 712 x - 401}{-x^5 - 37 x^4 + 250 x^3 + 50 x^2 - 313 x + 51}$$

Sequence: A273220
Score: 12.3127
Type of gen. func.: lgdogf

$$-\frac{-3 x^2 + 14 x + 37}{-3 x^3 + 13 x^2 - x - 9}$$

Sequence: A273220
Score: 13.3057
Type of gen. func.: ogf

$$\frac{3 x^2 - 10 x - 9}{(x - 1)^3}$$

Sequence: A273220
Score: 7.05088
Type of gen. func.: ogf

$$(289 f(x) - 4911) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 3 x^2 - f(x) + 10 x + 9)$$

Sequence: A273220
Score: 7.23643
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 9, a(1) = 37, a(2) = 81}

Sequence: A273225
Score: 13.7556
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^{3} - 2 x^{2} - 2}{-x^{4} + 1}$$

Sequence: A273226
Score: 16.1750
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3 x^{3} - 3 x^{2} - 3}{-x^{4} + 1}$$

Sequence: A273228
Score: 16.8282
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4 x^{3} - 4 x^{2} - 4}{-x^{4} + 1}$$

Sequence: A273251
Score: 2.20973
Type of gen. func.: ogf

$$-(2121 f(x) - 12793)$$

$$(8 f(x) x^{3} - 14 f(x) x^{2} - 16 x^{3} + 7 f(x) x + 16 x^{2} - f(x) - 2 x + 1)$$

Sequence: A273251
Score: 4.08188
Type of gen. func.: ogf

$$\frac{16 x^{3} - 16 x^{2} + 2 x - 1}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A273308
Score: 12.5045
Type of gen. func.: ogf

$$-\frac{2x(x^3 - x^2 - 2)}{(x^2 + x + 1)(x - 1)^2}$$

Sequence: A273308
Score: 5.24382
Type of gen. func.: ogf

{(2 n + 7) a(n) + 2 a(n + 1) + 2 a(n + 2) + (-2 n - 5) a(n + 3), a(0) = 0,

a(1) = 4, a(2) = 4, a(3) = 6}

Sequence: A273308
Score: 6.77328
Type of gen. func.: ogf

$$-(8 f(x) + 47) (f(x) x^4 - f(x) x^3 + 2 x^4 - 2 x^3 - f(x) x + f(x) - 4 x)$$

Sequence: A273308
Score: 8.83470
Type of gen. func.: lgdogf

$$-\frac{-x^5 + x^4 + 6 x^2 + 4 x + 2}{-x^6 + x^5 + 3 x^3 - x^2 - 2}$$

Sequence: A273309
Score: 10.7504
Type of gen. func.: ogf

$$\frac{4 x^5 - 8 x^3 - 9 x^2 - 2 x - 1}{(x + 1) (x - 1)^3}$$

Sequence: A273310
Score: 2.09398
Type of gen. func.: ogf

$$-(2259 f(x) - 207854) (8 f(x) x^3 - 32 x^4 - 14 f(x) x^2 - 16 x^3 + 7 f(x) x + 26 x^2 - f(x) - 3 x + 1)$$

Sequence: A273310
Score: 3.69679
Type of gen. func.: ogf

$$\frac{32 x^4 + 16 x^3 - 26 x^2 + 3 x - 1}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A273311
Score: 8.88199
Type of gen. func.: ogf

$$-\frac{4 x^5 - 8 x^3 - 9 x^2 - 2 x - 1}{(x + 1) (x - 1)^4}$$

Sequence: A273312
Score: 11.7390
Type of gen. func.: ogf

$$-\frac{4 x^4 - 7 x^2 - 10 x - 3}{(x + 1) (x - 1)^2}$$

Sequence: A273312
Score: 5.55223
Type of gen. func.: ogf

$$\{a(n + 5) - a(n + 4) - a(n + 3) + a(n + 2), a(0) = 3, a(1) = 13, a(2) = 23, a(3) = 33, a(4) = 39\}$$

Sequence: A273312
Score: 6.41977
Type of gen. func.: ogf

$$-(31 f(x) - 1804) (f(x) x^{3} + 4 x^{4} - f(x) x^{2} - f(x) x - 7 x^{2} + f(x) - 10 x - 3)$$

Sequence: A273313
Score: 2.13885
Type of gen. func.: ogf

$$(22539 f(x) - 1241335)$$

$$(8 f(x) x^{3} - 32 x^{4} - 14 f(x) x^{2} - 8 x^{3} + 7 f(x) x + 20 x^{2} - f(x) - 2 x + 1)$$

Sequence: A273313
Score: 3.74300
Type of gen. func.: ogf

$$\frac{32 x^{4} + 8 x^{3} - 20 x^{2} + 2 x - 1}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A273314
Score: 5.50683
Type of gen. func.: ogf

$$(152 f(x) + 5645) (f(x) x^{4} - 4 f(x) x^{3} + 4 x^{4} + 6 f(x) x^{2} - 4 x^{3} - 4 f(x) x$$

$$- 5 x^{2} + f(x) - 2 x - 1)$$

Sequence: A273314
Score: 9.07720
Type of gen. func.: lgdogf

$$- \frac{-12 x^{3} + 22 x^{2} + 16 x + 6}{-4 x^{5} + 8 x^{4} + x^{3} - 3 x^{2} - x - 1}$$

Sequence: A273314
Score: 9.71794
Type of gen. func.: ogf

$$-\frac{4 x^4 - 4 x^3 - 5 x^2 - 2 x - 1}{(x - 1)^4}$$

Sequence: A273315
Score: 12.0843
Type of gen. func.: lgdogf

$$-\frac{-x^3 + 3 x^2 - 3 x - 3}{x^4 - 2 x^3 + 1}$$

Sequence: A273315
Score: 13.4710
Type of gen. func.: ogf

$$-\frac{4 (x^3 - x^2 - x - 1)}{(x - 1)^2}$$

Sequence: A273315
Score: 7.02333
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) + a(n + 2), a(0) = 4, a(1) = 12, a(2) = 24, a(3) = 32\}$$

Sequence: A273315
Score: 7.67973
Type of gen. func.: ogf

$$-(f(x) + 140) (f(x) x^2 + 4 x^3 - 2 f(x) x - 4 x^2 + f(x) - 4 x - 4)$$

Sequence: A273316
Score: 10.1978
Type of gen. func.: lgdogf

$$-\frac{-x^3 + 3x^2 + 21x + 9}{-x^4 + 4x^3 + 2x^2 - 4x - 1}$$

Sequence: A273316
Score: 10.7276
Type of gen. func.: ogf

$$-\frac{(x + 1)(x^2 - 4x - 1)}{(x - 1)^4}$$

Sequence: A273316
Score: 4.53860
Type of gen. func.: ogf

$$\{(-9n^2 - 57n - 78)a(n + 1) + (2n^2 - 32n - 126)a(n + 2)$$

$$+ (7n^2 + 41n + 60)a(n + 3), a(0) = 1, a(1) = 9, a(2) = 33\}$$

Sequence: A273316
Score: 5.90018
Type of gen. func.: ogf

$$(50 f(x) + 319)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + x^3 - 4 f(x) x - 3x^2 + f(x) - 5x - 1)$$

Sequence: A273321
Score: 10.3540
Type of gen. func.: lgdogf

$$-\frac{-6x^3 + 30x^2 - 27x + 103}{-6x^4 + 30x^3 - 49x^2 + 57x - 32}$$

Sequence: A273321
Score: 11.2488
Type of gen. func.: ogf

$$-\frac{2 (6 x^{3} - 24 x^{2} + 25 x - 32)}{(x - 1)^{4}}$$

Sequence: A273321
Score: 4.46644
Type of gen. func.: ogf

$$\{(750 n^{2} + 4458 n + 5916) a(n + 1) + (85 n^{2} + 6296 n + 18123) a(n + 2) + (-835 n^{2} - 5999 n - 10482) a(n + 3), a(0) = 64, a(1) = 206, a(2) = 488\}$$

Sequence: A273321
Score: 6.03413
Type of gen. func.: ogf

$$(38725 f(x) + 1653436) (f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} + 12 x^{3} - 4 f(x) x - 48 x^{2} + f(x) + 50 x - 64)$$

Sequence: A273322
Score: 4.83608
Type of gen. func.: ogf

$$(598347 f(x) + 53380238) (f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} + 16 x^{3} - 4 f(x) x - 92 x^{2} + f(x) + 64 x - 150)$$

Sequence: A273322
Score: 8.46315
Type of gen. func.: lgdogf

$$-\frac{-8 x^{3} + 68 x^{2} - 4 x + 268}{}$$

$$-8 x^4 + 54 x^3 - 78 x^2 + 107 x - 75$$

Sequence: A273322
Score: 9.08240
Type of gen. func.: ogf

$$-\frac{2 (8 x^3 - 46 x^2 + 32 x - 75)}{(x - 1)^4}$$

Sequence: A273324
Score: 9.79349
Type of gen. func.: ogf

$$\frac{2 x^6 + 3 x^5 + x^4 + 4 x^3 + x^2 + 3 x + 2}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A273325
Score: 3.54759
Type of gen. func.: ogf

$$\{(64 n^2 + 32 n) a(n) + (72 n^2 + 324 n + 252) a(n + 1) + (-18 n^2 - 18 n + 36) a(n + 2) + (-n^2 - 5 n - 6) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 36\}$$

Sequence: A273327
Score: 3.14643
Type of gen. func.: ogf

$$\frac{28 x^5 - 32 x^4 - 8 x^3 + 4 x^2 + 3 x - 1}{(x - 1) (3 x - 1) (4 x - 1)}$$

Sequence: A273331
Score: 2.52281
Type of gen. func.: ogf

$$(7037 f(x) + 4350) (-4 x^4 + 4 f(x) x^2 - 4 x^3 - 5 f(x) x + 4 x^2 + f(x) - 1)$$

Sequence: A273331
Score: 4.30818
Type of gen. func.: ogf

$$\frac{4 x^4 + 4 x^3 - 4 x^2 + 1}{(4 x - 1) (x - 1)}$$

Sequence: A273334
Score: 7.73628
Type of gen. func.: lgdogf

$$- \frac{-14 x^5 + 52 x^4 - 68 x^3 + 32 x^2 + 18 x + 4}{7 x^6 - 24 x^5 + 25 x^4 - 7 x^2 - 1}$$

Sequence: A273334
Score: 9.62537
Type of gen. func.: ogf

$$- \frac{7 x^5 - 17 x^4 + 8 x^3 + 8 x^2 + x + 1}{(x - 1)^3}$$

Sequence: A273335
Score: 2.87923
Type of gen. func.: ogf

$$(f(x) + 32) (8 f(x) x^2 + 32 x^3 - 6 f(x) x - 32 x^2 + f(x) + 2 x - 1)$$

Sequence: A273335
Score: 4.75302
Type of gen. func.: ogf

3 2

$$-\frac{32 x - 32 x + 2 x - 1}{(4 x - 1) (2 x - 1)}$$

Sequence: A273336
Score: 7.79269
Type of gen. func.: lgdogf

$$-\frac{-7 x^5 + 35 x^4 - 60 x^3 + 40 x^2 + 19 x + 5}{7 x^6 - 24 x^5 + 25 x^4 - 7 x^2 - 1}$$

Sequence: A273336
Score: 8.78750
Type of gen. func.: ogf

$$\frac{7 x^5 - 17 x^4 + 8 x^3 + 8 x^2 + x + 1}{(x - 1)^4}$$

Sequence: A273337
Score: 11.7390
Type of gen. func.: ogf

$$\frac{7 x^4 - 17 x^3 + 8 x^2 + 7 x + 3}{(x - 1)^2}$$

Sequence: A273337
Score: 6.32100
Type of gen. func.: ogf

{a(n + 5) - 2 a(n + 4) + a(n + 3), a(0) = 3, a(1) = 13, a(2) = 31, a(3) = 32,

a(4) = 40}

Sequence: A273337
Score: 6.96382
Type of gen. func.: ogf

$$(2506 f(x) + 742239)$$

$$(-7 x^{4} + f(x) x^{2} + 17 x^{3} - 2 f(x) x - 8 x^{2} + f(x) - 7 x - 3)$$

Sequence: A273339
Score: 4.94041
Type of gen. func.: ogf

$$- 2 (3 x^{15} + 2 x^{14} + 2 x^{13} + 2 x^{12} + 2 x^{11} + 2 x^{10} + 2 x^{9} + 2 x^{8} + 2 x^{7} + 2 x^{6} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 2) / ((x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1) (x^{8} + 1))$$

Sequence: A273348
Score: 12.6977
Type of gen. func.: ogf

$$- \frac{x^{3} - 2 x^{2} - 2 x + 2}{(x - 1) (x + 1) (2 x - 1)^{2}}$$

Sequence: A273348
Score: 4.79275
Type of gen. func.: ogf

$$\{(-10 n - 76) a(n + 1) + (5 n + 33) a(n + 2) + (10 n + 76) a(n + 3) + (-5 n - 33) a(n + 4), a(0) = 2, a(1) = 6, a(2) = 16, a(3) = 39\}$$

Sequence: A273348
Score: 6.60622
Type of gen. func.: ogf

$$-(4180 f(x) - 10993)$$

$$(4 f(x) x^{4} - 4 f(x) x^{3} - 3 f(x) x^{2} + x^{3} + 4 f(x) x - 2 x^{2} - f(x) - 2 x + 2)$$

Sequence: A273348

Score: 9.13758
Type of gen. func.: lgdogf

$$-\frac{-2x^5+7x^4+10x^3-15x^2-4x+6}{-2x^6+5x^5+4x^4-11x^3+6x-2}$$

Sequence: A273365
Score: 8.77614
Type of gen. func.: ogf

$$-\frac{2x(3x^2+4x+3)}{(x+1)^2(x-1)^3}$$

Sequence: A273365
Score: 9.60631
Type of gen. func.: lgdogf

$$-\frac{9x^3+19x^2+25x+7}{3x^4+4x^3-4x-3}$$

Sequence: A273366
Score: 11.0107
Type of gen. func.: lgdogf

$$-\frac{x^2+18x+11}{x^3+7x^2-7x-1}$$

Sequence: A273366
Score: 11.7211
Type of gen. func.: ogf

$$-\frac{2(x^2+8x+1)}{(x-1)^3}$$

Sequence: A273366
Score: 6.37464
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2, a(1) = 22, a(2) = 62\}$$

Sequence: A273366
Score: 6.43106
Type of gen. func.: ogf

$$(7 f(x) - 72) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x) + 16 x + 2)$$

Sequence: A273367
Score: 7.60243
Type of gen. func.: ogf

$$-\frac{x^4 + 2 x^3 + 14 x^2 + 2 x + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A273368
Score: 8.66911
Type of gen. func.: ogf

$$-\frac{4 x (x^2 + 3 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A273368
Score: 9.60631
Type of gen. func.: lgdogf

$$-\frac{-3 x^3 - 13 x^2 - 10 x - 4}{-x^4 - 3 x^3 + 3 x + 1}$$

Sequence: A273372
Score: 8.47158
Type of gen. func.: ogf

$$-\frac{x^4 + 80 x^3 + 38 x^2 + 80 x + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A273373
Score: 8.28989
Type of gen. func.: ogf

$$-\frac{4 (4 x^4 + 5 x^3 + 32 x^2 + 5 x + 4)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A273374
Score: 8.13835
Type of gen. func.: ogf

$$-\frac{9 x^4 + 40 x^3 + 102 x^2 + 40 x + 9}{(x + 1)^2 (x - 1)^3}$$

Sequence: A273375
Score: 8.22312
Type of gen. func.: ogf

$$-\frac{4 (x^4 + 15 x^3 + 18 x^2 + 15 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A273384
Score: 9.51474
Type of gen. func.: ogf

$$-\frac{8 x^5 - 20 x^4 + 12 x^3 + 5 x^2 + 2 x + 1}{(x - 1)^3}$$

Sequence: A273385
Score: 2.0651
Type of gen. func.: ogf

$$-(389331 f(x) + 468415) (8 f(x) x^3 + 32 x^4 - 14 f(x) x^2 - 56 x^3 + 7 f(x) x + 28 x^2 - f(x) - 2 x + 1)$$

Sequence: A273385
Score: 3.69679
Type of gen. func.: ogf

$$-\frac{32 x^4 - 56 x^3 + 28 x^2 - 2 x + 1}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A273386
Score: 8.69500
Type of gen. func.: ogf

$$\frac{8 x^5 - 20 x^4 + 12 x^3 + 5 x^2 + 2 x + 1}{(x - 1)^4}$$

Sequence: A273387
Score: 11.5737
Type of gen. func.: ogf

$$\frac{4 (2 x^4 - 5 x^3 + 3 x^2 + x + 1)}{(x - 1)^2}$$

Sequence: A273387
Score: 6.32100
Type of gen. func.: ogf

$$\{a(n + 5) - 2 a(n + 4) + a(n + 3), a(0) = 4, a(1) = 12, a(2) = 32, a(3) = 32, a(4) = 40\}$$

Sequence: A273387
Score: 7.27195
Type of gen. func.: ogf

$$(f(x) + 125) (-8 x^4 + f(x) x^2 + 20 x^3 - 2 f(x) x - 12 x^2 + f(x) - 4 x - 4)$$

Sequence: A273387
Score: 8.74181
Type of gen. func.: lgdogf

$$- \frac{4 x^4 - 13 x^3 + 15 x^2 - 7 x - 3}{-2 x^5 + 7 x^4 - 8 x^3 + 2 x^2 + 1}$$

Sequence: A273405
Score: 10.6126
Type of gen. func.: ogf

$$\frac{4 x^4 - 4 x^3 - 13 x^2 - 2 x - 1}{(x + 1) (x - 1)^3}$$

Sequence: A273405
Score: 6.17748
Type of gen. func.: ogf

$$(920 f(x) - 23209)$$

$$(f(x) x^4 - 2 f(x) x^3 - 4 x^4 + 4 x^3 + 2 f(x) x + 13 x^2 - f(x) + 2 x + 1)$$

Sequence: A273406
Score: 8.78750
Type of gen. func.: ogf

$$- \frac{4 x^4 - 4 x^3 - 13 x^2 - 2 x - 1}{(x + 1) (x - 1)^4}$$

Sequence: A273407
Score: 11.7390
Type of gen. func.: ogf

$$-\frac{4x^3 - 3x^2 - 14x - 3}{(x+1)(x-1)^2}$$

Sequence: A273407
Score: 6.08689
Type of gen. func.: ogf

{a(n + 4) - a(n + 3) - a(n + 2) + a(n + 1), a(0) = 3, a(1) = 17, a(2) = 23,

a(3) = 33}

Sequence: A273407
Score: 6.52167
Type of gen. func.: ogf

$$-(5 f(x) - 157) (f(x) x^3 - f(x) x^2 + 4 x^3 - f(x) x - 3 x^2 + f(x) - 14 x - 3)$$

Sequence: A273407
Score: 9.66741
Type of gen. func.: lgdogf

$$-\frac{-x^3 + 19x^2 + 29x + 17}{-4x^5 + 3x^4 + 18x^3 - 14x - 3}$$

Sequence: A273408
Score: 10.0735
Type of gen. func.: lgdogf

$$-\frac{4x^3 - 6x^2 - 24x - 6}{4x^4 - 13x^3 + 7x^2 + x + 1}$$

Sequence: A273408
Score: 10.7276
Type of gen. func.: ogf

$$-\frac{4 x^3 - 9 x^2 - 2 x - 1}{(x - 1)^4}$$

Sequence: A273408
Score: 4.39375
Type of gen. func.: ogf

$$\{(60 n^2 + 408 n + 576) a(n + 1) + (-82 n^2 - 365 n - 168) a(n + 2)$$

$$+ (22 n^2 + 71 n + 15) a(n + 3), a(0) = 1, a(1) = 6, a(2) = 27\}$$

Sequence: A273408
Score: 5.81708
Type of gen. func.: ogf

$$(664 f(x) + 9137)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 4 x^3 - 4 f(x) x - 9 x^2 + f(x) - 2 x - 1)$$

Sequence: A273417
Score: 8.80619
Type of gen. func.: ogf

$$\frac{5 x^6 - 7 x^5 + 3 x^4 - x^3 - 13 x^2 - 2 x - 1}{(x + 1) (x - 1)^3}$$

Sequence: A273418
Score: 2.12368
Type of gen. func.: ogf

$$(68204 f(x) - 4840737) ($$

$$8 f(x) x^3 - 24 x^4 - 14 f(x) x^2 - 22 x^3 + 7 f(x) x + 27 x^2 - f(x) - 3 x + 1)$$

Sequence: A273418
Score: 3.69679
Type of gen. func.: ogf

$$\frac{24 x^4 + 22 x^3 - 27 x^2 + 3 x - 1}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A273419
Score: 7.50932
Type of gen. func.: ogf

$$- \frac{5 x^6 - 7 x^5 + 3 x^4 - x^3 - 13 x^2 - 2 x - 1}{(x + 1) (x - 1)^4}$$

Sequence: A273420
Score: 10.5350
Type of gen. func.: ogf

$$- \frac{5 x^5 - 7 x^4 + 3 x^3 - 14 x - 3}{(x + 1) (x - 1)^2}$$

Sequence: A273443
Score: 8.53384
Type of gen. func.: ogf

$$- \frac{7 x^6 - 18 x^5 + 16 x^4 - 11 x^3 + 12 x^2 + x + 1}{(x - 1)^3}$$

Sequence: A273446
Score: 2.30338
Type of gen. func.: ogf

$-(4425232 f(x) - 425792793)$

$$(56 x^4 + 8 f(x) x^2 - 10 x^3 - 6 f(x) x - 25 x^2 + f(x) + 2 x - 1)$$

Sequence: A273446
Score: 4.15889
Type of gen. func.: ogf

$$-\frac{56 x^4 - 10 x^3 - 25 x^2 + 2 x - 1}{(4 x - 1) (2 x - 1)}$$

Sequence: A273447
Score: 7.86690
Type of gen. func.: ogf

$$\frac{7 x^6 - 18 x^5 + 16 x^4 - 11 x^3 + 12 x^2 + x + 1}{(x - 1)^4}$$

Sequence: A273448
Score: 10.1448
Type of gen. func.: ogf

$$\frac{7 x^5 - 18 x^4 + 16 x^3 - 11 x^2 + 11 x + 3}{(x - 1)^2}$$

Sequence: A273465
Score: 6.70078
Type of gen. func.: ogf

$$-\frac{2 x^6 + x^4 - 6 x^3 + 3 x^2 + 2 x + 1}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A273480
Score: 5.22801
Type of gen. func.: ogf

$$-(3392 f(x) - 21173) (f(x) x^4 - 4 f(x) x^3 - 5 x^4 + 6 f(x) x^2 + 15 x^3 - 4 f(x) x - 16 x^2 + f(x) - x - 1)$$

Sequence: A273480
Score: 9.28118
Type of gen. func.: lgdogf

$$-\frac{-5 x^3 + 13 x^2 - 35 x - 5}{-5 x^5 + 20 x^4 - 31 x^3 + 15 x^2 + 1}$$

Sequence: A273480
Score: 9.49454
Type of gen. func.: ogf

$$\frac{5 x^4 - 15 x^3 + 16 x^2 + x + 1}{(x - 1)^4}$$

Sequence: A273481
Score: 13.0433
Type of gen. func.: ogf

$$\frac{5 x^3 - 15 x^2 + 15 x + 3}{(x - 1)^2}$$

Sequence: A273481
Score: 7.02333
Type of gen. func.: ogf

{a(n + 4) - 2 a(n + 3) + a(n + 2), a(0) = 3, a(1) = 21, a(2) = 24, a(3) = 32}

Sequence: A273481
Score: 7.67973
Type of gen. func.: ogf

```
                             2      3                   2
     (37 f(x) + 1545) (f(x) x  - 5 x  - 2 f(x) x + 15 x  + f(x) - 15 x - 3)



------------------------------------------------------------------------------

Sequence:  A273481
Score: 9.55500
Type of gen. func.: lgdogf


                                3       2
                             5 x  - 15 x  + 15 x - 21
                       - ---------------------------------
                                4       3       2
                         -5 x  + 20 x  - 30 x  + 12 x + 3



------------------------------------------------------------------------------

Sequence:  A273489
Score: 2.79977
Type of gen. func.: ogf


                         6         5        4      2
                    384 x  - 320 x  + 72 x  + 6 x  - 5 x + 1
                    ----------------------------------------
                     (x - 1) (3 x - 1) (2 x - 1) (4 x - 1)



------------------------------------------------------------------------------

Sequence:  A273539
Score: 2.55931
Type of gen. func.: ogf


                           3            2            2
 (233 f(x) - 225) (8 f(x) x  - 14 f(x) x  + 7 f(x) x + 16 x  - f(x) - 2 x + 1)



------------------------------------------------------------------------------

Sequence:  A273539
Score: 4.75302
Type of gen. func.: ogf


                                     2
                                 16 x  - 2 x + 1
                         - ----------------------------
                            (x - 1) (2 x - 1) (4 x - 1)



------------------------------------------------------------------------------

Sequence:  A273565
Score: 3.72019
Type of gen. func.: ogf


                            4      3       2
                         2 x  + 7 x  - 14 x  + 3 x - 1
                         -----------------------------
                          (x - 1) (2 x - 1) (4 x - 1)
```

```
------------------------------------------------------------------------------

Sequence:  A273570
Score: 2.21377
Type of gen. func.: ogf


-(171 f(x) + 295)

             3       4            2      3
    (8 f(x) x  + 32 x  - 14 f(x) x  + 8 x  + 7 f(x) x - f(x) - 2 x + 1)



------------------------------------------------------------------------------

Sequence:  A273570
Score: 4.02221
Type of gen. func.: ogf


                                 4      3
                             32 x  + 8 x  - 2 x + 1
                         - ---------------------------
                           (x - 1) (2 x - 1) (4 x - 1)



------------------------------------------------------------------------------

Sequence:  A273596
Score: 4.76975
Type of gen. func.: ogf


{a(n + 1) + (n + 2) a(n + 2) + (-n - 5) a(n + 3) + a(n + 4), a(0) = 1, a(1) = 3,

    a(2) = 9, a(3) = 32}



------------------------------------------------------------------------------

Sequence:  A273622
Score: 10.5609
Type of gen. func.: ogf


                                     2
                                    x  + 1
                          ---------------------------
                            2             2
                          (x  + x - 1) (x  + 4 x - 1)



------------------------------------------------------------------------------

Sequence:  A273622
Score: 5.28046
Type of gen. func.: ogf


                          4           3           2               2
 (1807 f(x) + 200) (f(x) x  + 5 f(x) x  + 2 f(x) x  - 5 f(x) x - x  + f(x) - 1)
```

Sequence: A273622
Score: 6.53770
Type of gen. func.: lgdogf

$$-\frac{-2 x^5 - 5 x^4 - 4 x^3 - 20 x^2 - 2 x + 5}{-x^6 - 5 x^5 - 3 x^4 - 3 x^2 + 5 x - 1}$$

Sequence: A273623
Score: 7.44761
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 + 8 x^2 + x + 1}{(x^2 + x - 1) (x^2 + 4 x - 1) (x^2 - x - 1)}$$

Sequence: A273624
Score: 4.85435
Type of gen. func.: ogf

$$-(5356793 f(x) - 12294)$$

$$(f(x) x^4 - 25 f(x) x^3 + 128 f(x) x^2 - 25 f(x) x - x^2 + f(x) + 10 x - 1)$$

Sequence: A273624
Score: 9.70869
Type of gen. func.: ogf

$$\frac{x^2 - 10 x + 1}{(x^2 - 7 x + 1) (x^2 - 18 x + 1)}$$

Sequence: A273625
Score: 6.41467
Type of gen. func.: ogf

$$\frac{x^4 - 14 x^3 + 40 x^2 - 14 x + 1}{(x^2 - 7 x + 1) (x^2 - 3 x + 1) (x^2 - 18 x + 1)}$$

Sequence: A273626
Score: 4.48751
Type of gen. func.: ogf

$$-(87810034 f(x) + 73341)$$

$$(f(x) x^4 - 40 f(x) x^3 + 206 f(x) x^2 - 40 f(x) x - x^2 + f(x) + 10 x - 1)$$

Sequence: A273626
Score: 9.03565
Type of gen. func.: ogf

$$\frac{x^2 - 10 x + 1}{(x^2 - 34 x + 1) (x^2 - 6 x + 1)}$$

Sequence: A273627
Score: 4.65734
Type of gen. func.: ogf

$$(192220769 f(x) + 445077)$$

$$(f(x) x^4 - 40 f(x) x^3 + 206 f(x) x^2 - 40 f(x) x - x^2 + f(x) - 8 x - 1)$$

Sequence: A273627
Score: 9.31466
Type of gen. func.: ogf

$$\frac{x^2 + 8 x + 1}{(x^2 - 34 x + 1) (x^2 - 6 x + 1)}$$

Sequence: A273652
Score: 4.23264
Type of gen. func.: ogf

$$\{(2 n^2 + 18 n + 40) a(n + 1) + (-3 n^2 - 21 n - 30) a(n + 2)$$

$$+ (n^2 + 5 n + 6) a(n + 3), a(0) = 2, a(1) = 9, a(2) = 30\}$$

Sequence: A273652
Score: 7.08077
Type of gen. func.: lgdogf

$$- \frac{-54 x^4 + 120 x^3 - 108 x^2 + 48 x - 9}{-18 x^5 + 57 x^4 - 72 x^3 + 46 x^2 - 15 x + 2}$$

Sequence: A273652
Score: 7.73104
Type of gen. func.: ogf

$$- \frac{(3 x - 2) (3 x^2 - 3 x + 1)}{(2 x - 1)^3 (x - 1)^3}$$

Sequence: A273669
Score: 13.0188
Type of gen. func.: lgdogf

$$- \frac{-x^3 - 15 x^2 - 15 x - 9}{-x^4 - 7 x^3 - x^2 + 7 x + 2}$$

Sequence: A273669
Score: 17.5007
Type of gen. func.: ogf

$$\frac{x^2 + 7 x + 2}{(x + 1) (x - 1)^2}$$

Sequence: A273669
Score: 8.89613
Type of gen. func.: ogf

$$-(140 f(x) + 3041) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - 7 x - 2)$$

Sequence: A273669
Score: 9.44726
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 9, a(2) = 12\}$$

Sequence: A273675
Score: 9.60273
Type of gen. func.: ogf

$$\frac{x^5 - 4 x^4 + 7 x^3 - 8 x^2 - x - 1}{(x - 1)^3}$$

Sequence: A273676
Score: 2.02686
Type of gen. func.: ogf

$$-(832260 f(x) - 2529253)$$

$$(8 f(x) x^3 + 8 x^4 - 14 f(x) x^2 - 22 x^3 + 7 f(x) x + 19 x^2 - f(x) - 3 x + 1)$$

Sequence: A273676
Score: 3.67369
Type of gen. func.: ogf

$$-\frac{8 x^4 - 22 x^3 + 19 x^2 - 3 x + 1}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A273677
Score: 8.76142
Type of gen. func.: ogf

$$-\frac{x^5 - 4 x^4 + 7 x^3 - 8 x^2 - x - 1}{\quad^{4}}$$

$$(x - 1)$$

Sequence: A273678
Score: 11.9639
Type of gen. func.: ogf

$$-\frac{x^4 - 4x^3 + 7x^2 - 7x - 3}{(x - 1)^2}$$

Sequence: A273678
Score: 6.99585
Type of gen. func.: ogf

$$(12612 f(x) - 168563) (x^4 + f(x) x^2 - 4 x^3 - 2 f(x) x + 7 x^2 + f(x) - 7 x - 3)$$

Sequence: A273678
Score: 8.25510
Type of gen. func.: lgdogf

$$-\frac{2 x^4 - 8 x^3 + 12 x^2 - 7 x + 13}{-x^5 + 5 x^4 - 11 x^3 + 14 x^2 - 4 x - 3}$$

Sequence: A273716
Score: 5.0098
Type of gen. func.: ogf

$$-f(x)^2 x^4 + f(x) x^4 - 2 f(x)^2 x^2 + 4 f(x)^2 x + 2 f(x) x^2 - f(x)^2 - 4 f(x) x + f(x) + x$$

Sequence: A273724
Score: 11.2610
Type of gen. func.: ogf

$$\frac{x^3 (5 x^6 - 3 x^5 + 2 x^4 + 3 x^2 - x + 2)}{\quad{}^{4} \qquad\qquad {}^{2} \qquad\qquad {}^{2}}$$

$$(x + 1) (x + 1) (x + 1) (x - 1)$$

Sequence: A273735
Score: 5.91169
Type of gen. func.: ogf

$$\left(x^{13} + 2 x^{12} + 3 x^{11} + 4 x^{10} + 5 x^{9} + 6 x^{8} + 7 x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 1\right) \Big/ \left(8 x^{7} - 1\right)$$

Sequence: A273736
Score: 5.21881
Type of gen. func.: ogf

$$\left(x^{15} + 2 x^{14} + 3 x^{13} + 4 x^{12} + 5 x^{11} + 6 x^{10} + 7 x^{9} + 8 x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 1\right) \Big/ \left((3 x^{4} - 1) (3 x^{4} + 1)\right)$$

Sequence: A273737
Score: 4.68272
Type of gen. func.: ogf

$$\left(x^{17} + 2 x^{16} + 3 x^{15} + 4 x^{14} + 5 x^{13} + 6 x^{12} + 7 x^{11} + 8 x^{10} + 9 x^{9} - x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 1\right) \Big/ \left(10 x^{9} - 1\right)$$

Sequence: A273738
Score: 4.18799
Type of gen. func.: ogf

$$\left(x^{19} + 2 x^{18} + 3 x^{17} + 4 x^{16} + 5 x^{15} + 6 x^{14} + 7 x^{13} + 8 x^{12} + 9 x^{11} + 10 x^{10} - x^{9} - x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 1\right) \Big/ \left(11 x^{10} - 1\right)$$

Sequence: A273743

Score: 10.7504
Type of gen. func.: ogf

$$-\frac{x^4 - 3x^3 + 4x^2 + 5x + 1}{(x-1)^3}$$

Sequence: A273743
Score: 5.63117
Type of gen. func.: ogf

{a(n + 5) - 3 a(n + 4) + 3 a(n + 3) - a(n + 2), a(0) = 1, a(1) = 8, a(2) = 25,

a(3) = 49, a(4) = 81}

Sequence: A273743
Score: 6.27107
Type of gen. func.: ogf

$(290 f(x) + 2729)$

$(f(x) x^3 + x^4 - 3 f(x) x^2 - 3 x^3 + 3 f(x) x + 4 x^2 - f(x) + 5 x + 1)$

Sequence: A273743
Score: 8.53384
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 4x^3 - 5x^2 + 18x + 8}{x^5 - 4x^4 + 7x^3 + x^2 - 4x - 1}$$

Sequence: A273744
Score: 5.47036
Type of gen. func.: ogf

$(2525 + 1152 f(x)) (f(x) x^4 - 4 f(x) x^3 - x^4 + 6 f(x) x^2 + 3 x^3 - 4 f(x) x$

$- 4 x^2 + f(x) - 5 x - 1)$

Sequence: A273744
Score: 9.28118
Type of gen. func.: lgdogf

$$-\frac{x^3 - x^2 + 23x + 9}{x^5 - 4x^4 + 7x^3 + x^2 - 4x - 1}$$

Sequence: A273744
Score: 9.71794
Type of gen. func.: ogf

$$\frac{x^4 - 3x^3 + 4x^2 + 5x + 1}{(x - 1)^4}$$

Sequence: A273745
Score: 10.1448
Type of gen. func.: lgdogf

$$-\frac{-x^3 + 3x^2 - 3x + 17}{x^4 - 4x^3 + 6x^2 + 4x - 7}$$

Sequence: A273745
Score: 13.4710
Type of gen. func.: ogf

$$\frac{(x + 1)(x^2 - 4x + 7)}{(x - 1)^2}$$

Sequence: A273745
Score: 7.02333
Type of gen. func.: ogf

{a(n + 4) - 2 a(n + 3) + a(n + 2), a(0) = 7, a(1) = 17, a(2) = 24, a(3) = 32}

Sequence: A273745
Score: 7.60862
Type of gen. func.: ogf

$$-(57 f(x) + 169) (f(x) x^2 - x^3 - 2 f(x) x + 3 x^2 + f(x) - 3 x - 7)$$

Sequence: A273766
Score: 8.80619
Type of gen. func.: ogf

$$-\frac{x^6 + 5 x^5 - 16 x^4 + 8 x^3 + 8 x^2 + x + 1}{(x - 1)^3}$$

Sequence: A273767
Score: 3.36449
Type of gen. func.: ogf

$$-\frac{8 x^5 + 26 x^4 - 63 x^3 + 34 x^2 - 3 x + 1}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A273768
Score: 8.09828
Type of gen. func.: ogf

$$\frac{x^6 + 5 x^5 - 16 x^4 + 8 x^3 + 8 x^2 + x + 1}{(x - 1)^4}$$

Sequence: A273769
Score: 10.5350
Type of gen. func.: ogf

$$\frac{x^5 + 5 x^4 - 16 x^3 + 8 x^2 + 7 x + 3}{(x - 1)^2}$$

Sequence: A273780
Score: 7.95944
Type of gen. func.: lgdogf

$$-\frac{3x^6-4x^5-9x^4+16x^3-26x-4}{-x^7+5x^5-16x^3+11x^2+1}$$

Sequence: A273780
Score: 8.80619
Type of gen. func.: ogf

$$-\frac{x^6+x^5-4x^4-4x^3+12x^2+x+1}{(x-1)^3}$$

Sequence: A273781
Score: 8.09828
Type of gen. func.: ogf

$$\frac{x^6+x^5-4x^4-4x^3+12x^2+x+1}{(x-1)^4}$$

Sequence: A273782
Score: 10.5350
Type of gen. func.: ogf

$$\frac{x^5+x^4-4x^3-4x^2+11x+3}{(x-1)^2}$$

Sequence: A273782
Score: 8.30030
Type of gen. func.: lgdogf

$$-\frac{3x^5-3x^4-8x^3+12x^2-3x-17}{-x^6+5x^4-15x^2+8x+3}$$

Sequence: A273789
Score: 10.4783
Type of gen. func.: ogf

$$-\frac{4 x^4 - 12 x^3 + 13 x^2 + 2 x + 1}{(x - 1)^3}$$

Sequence: A273789
Score: 5.63117
Type of gen. func.: ogf

$\{-a(n + 5) + 3 a(n + 4) - 3 a(n + 3) + a(n + 2), a(0) = 1, a(1) = 5, a(2) = 25,$

$a(3) = 49, a(4) = 81\}$

Sequence: A273789
Score: 5.99842
Type of gen. func.: ogf

$$-(190 f(x) - 5327) (f(x) x^3 + 4 x^4 - 3 f(x) x^2 - 12 x^3 + 3 f(x) x + 13 x^2 - f(x) + 2 x + 1)$$

Sequence: A273789
Score: 8.11551
Type of gen. func.: lgdogf

$$-\frac{4 x^4 - 16 x^3 + 23 x^2 - 30 x - 5}{-4 x^5 + 16 x^4 - 25 x^3 + 11 x^2 + x + 1}$$

Sequence: A273790
Score: 5.43437
Type of gen. func.: ogf

$$(568 f(x) - 2367) (f(x) x^4 - 4 f(x) x^3 - 4 x^4 + 6 f(x) x^2 + 12 x^3 - 4 f(x) x - 13 x^2 + f(x) - 2 x - 1)$$

Sequence: A273790
Score: 8.88199
Type of gen. func.: lgdogf

$$- \frac{-4 x^{3} + 10 x^{2} - 32 x - 6}{-4 x^{5} + 16 x^{4} - 25 x^{3} + 11 x^{2} + x + 1}$$

Sequence: A273790
Score: 9.49454
Type of gen. func.: ogf

$$\frac{4 x^{4} - 12 x^{3} + 13 x^{2} + 2 x + 1}{(x - 1)^{4}}$$

Sequence: A273791
Score: 10.2716
Type of gen. func.: lgdogf

$$- \frac{x^{3} - 3 x^{2} + 3 x - 5}{-x^{4} + 4 x^{3} - 6 x^{2} + 2 x + 1}$$

Sequence: A273791
Score: 13.0433
Type of gen. func.: ogf

$$\frac{4 (x^{3} - 3 x^{2} + 3 x + 1)}{(x - 1)^{2}}$$

Sequence: A273791
Score: 7.02333
Type of gen. func.: ogf

{a(n + 4) - 2 a(n + 3) + a(n + 2), a(0) = 4, a(1) = 20, a(2) = 24, a(3) = 32}

Sequence: A273791
Score: 7.53881
Type of gen. func.: ogf

$$-(3 f(x) + 164) (f(x) x^2 - 4 x^3 - 2 f(x) x + 12 x^2 + f(x) - 12 x - 4)$$

Sequence: A273796
Score: 2.91405
Type of gen. func.: ogf

$$-\frac{16 x^5 - 4 x^4 - 4 x^3 - 6 x^2 + 5 x - 1}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A273828
Score: 3.27669
Type of gen. func.: ogf

$$\frac{32 x^5 - 24 x^4 + 4 x^3 - 4 x^2 + 2 x - 1}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A273831
Score: 8.80619
Type of gen. func.: ogf

$$\frac{x^6 - 3 x^5 + 7 x^4 - 5 x^3 - 13 x^2 - 2 x - 1}{(x + 1) (x - 1)^3}$$

Sequence: A273832
Score: 2.12368
Type of gen. func.: ogf

$$(733164 f(x) - 5232229)$$

$$(8 f(x) x^3 + 8 x^4 - 14 f(x) x^2 - 46 x^3 + 7 f(x) x + 31 x^2 - f(x) - 3 x + 1)$$

Sequence: A273832
Score: 3.74300
Type of gen. func.: ogf

$$-\frac{8 x^{4} - 46 x^{3} + 31 x^{2} - 3 x + 1}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A273833
Score: 7.50932
Type of gen. func.: ogf

$$-\frac{x^{6} - 3 x^{5} + 7 x^{4} - 5 x^{3} - 13 x^{2} - 2 x - 1}{(x + 1) (x - 1)^{4}}$$

Sequence: A273834
Score: 9.55500
Type of gen. func.: ogf

$$-\frac{x^{5} - 3 x^{4} + 7 x^{3} - 4 x^{2} - 14 x - 3}{(x + 1) (x - 1)^{2}}$$

Sequence: A273845
Score: 16.8937
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^{2} - 3 x - 3}{-x^{3} + 1}$$

Sequence: A273847
Score: 8.71349
Type of gen. func.: ogf

$$-\frac{5 x^{7} - 11 x^{6} + 7 x^{5} - 7 x^{3} + 12 x^{2} + x + 1}{{}^{3}}$$

$(x - 1)$

Sequence: A273848
Score: 3.32711
Type of gen. func.: ogf

$$-\frac{32 x^5 - 16 x^4 - 42 x^3 + 31 x^2 - 3 x + 1}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A273849
Score: 8.01966
Type of gen. func.: ogf

$$\frac{5 x^7 - 11 x^6 + 7 x^5 - 7 x^3 + 12 x^2 + x + 1}{(x - 1)^4}$$

Sequence: A273850
Score: 10.4016
Type of gen. func.: ogf

$$\frac{5 x^6 - 11 x^5 + 7 x^4 - 7 x^2 + 11 x + 3}{(x - 1)^2}$$

Sequence: A273860
Score: 3.28249
Type of gen. func.: ogf

$$\frac{4 x^4 + 4 x^3 + 2 x^2 - 3 x + 1}{(4 x - 1) (2 x - 1) (x - 1)^2}$$

Sequence: A273898
Score: 7.99729
Type of gen. func.: ogf

2 5   2

$$f(x) (f(x)\ x\ - 3 f(x) x\ + 4 f(x) x - f(x) - x + 1)$$

Sequence: A273900
Score: 6.27664
Type of gen. func.: ogf

$$f(x)^{2} x^{4} - f(x) x^{4} + 2 f(x) x^{3} - 4 f(x) x^{2} + 4 f(x) x + x^{2} - f(x) - 2 x + 1$$

Sequence: A273935
Score: 3.09676
Type of gen. func.: egf]

$$\{(-2 n^{3} - 4 n^{2} - 2 n) a(n) + (-2 n^{3} - 9 n^{2} - 16 n - 9) a(n + 1) + (3 n^{2} + 14 n + 17) a(n + 2) + (-n - 3) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 3\}$$

Sequence: A273961
Score: 3.88023
Type of gen. func.: ogf

$$\frac{6 x^{7} - 33 x^{6} + 25 x^{5} + 72 x^{4} - 82 x^{3} - x^{2} + 18 x - 2}{(x - 1) (x^{2} + x - 1) (18 x^{4} - 41 x^{3} + 6 x^{2} + 12 x - 1)}$$

Sequence: A273981
Score: 4.93271
Type of gen. func.: ogf

$$\{a(n + 5) - 3 a(n + 4) + 3 a(n + 3) - a(n + 2), a(0) = 1, a(1) = 4, a(2) = 26, a(3) = 56, a(4) = 98\}$$

Sequence: A273981
Score: 5.2166
Type of gen. func.: ogf

$$-(274 f(x) - 10803)$$

3 4 2 3 2

$$(f(x)\, x + 4\, x - 3\, f(x)\, x - 11\, x + 3\, f(x)\, x + 17\, x - f(x) + x + 1)$$

Sequence: A273981
Score: 9.17858
Type of gen. func.: ogf

$$-\frac{4\, x^4 - 11\, x^3 + 17\, x^2 + x + 1}{(x - 1)^3}$$

Sequence: A273982
Score: 12.5462
Type of gen. func.: lgdogf

$$-\frac{4\, x^2 + 18\, x + 8}{4\, x^3 + x^2 - 4\, x - 1}$$

Sequence: A273982
Score: 13.3689
Type of gen. func.: ogf

$$-\frac{(x + 1)\, (4\, x + 1)}{(x - 1)^3}$$

Sequence: A273982
Score: 6.85295
Type of gen. func.: ogf

$$(10100\, f(x) - 34971)\, (f(x)\, x^3 - 3\, f(x)\, x^2 + 3\, f(x)\, x + 4\, x^2 - f(x) + 5\, x + 1)$$

Sequence: A273982
Score: 7.21681
Type of gen. func.: ogf

$$\{a(n + 3) - 3\, a(n + 2) + 3\, a(n + 1) - a(n),\ a(0) = 1,\ a(1) = 8,\ a(2) = 25\}$$

Sequence: A274032
Score: 10.3401
Type of gen. func.: ogf

$$\frac{x^2 - 18 x - 3}{x^3 + x^2 - 9 x - 1}$$

Sequence: A274032
Score: 5.52661
Type of gen. func.: ogf

$$(103 f(x) - 193) (f(x) x^3 + f(x) x^2 - 9 f(x) x - x^2 - f(x) + 18 x + 3)$$

Sequence: A274032
Score: 5.67333
Type of gen. func.: ogf

$$\{-a(n + 3) - 9 a(n + 2) + a(n + 1) + a(n), a(0) = 3, a(1) = -9, a(2) = 83\}$$

Sequence: A274032
Score: 6.22414
Type of gen. func.: lgdogf

$$- \frac{x^4 - 36 x^3 - 18 x^2 - 4 x + 9}{x^5 - 17 x^4 - 30 x^3 + 158 x^2 + 45 x + 3}$$

Sequence: A274039
Score: 11.2108
Type of gen. func.: lgdogf

$$- \frac{-4 x^6 + 6 x^5 + 2}{x^7 - x^6 + x - 1}$$

Sequence: A274039

Score: 14.1173
Type of gen. func.: ogf

$$\frac{x^4 (x^2 + 1) (x^4 - x^2 + 1)}{(x - 1)^2}$$

Sequence: A274039
Score: 25.3131
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{11} + x^5 + 2$$

Sequence: A274047
Score: 10.4082
Type of gen. func.: ogf

$$- \frac{x^7 - x^6 + x^5 + 2 x^4 - x^3 + x^2 - 2 x - 2}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A274056
Score: 5.21955
Type of gen. func.: ogf

$$\{(-8 n^3 - 56 n^2 - 126 n - 90) a(n + 1) + (n + 4) a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A274067
Score: 4.98884
Type of gen. func.: ogf

$$(2 x^{12} + 12 x^{10} - 38 x^9 + 22 x^8 + 109 x^7 - 76 x^6 - 233 x^5 + 181 x^4 + 115 x^3 - 76 x^2 - 45 x - 5) \Big/ ((x + 1)^2 (x - 1)^3)$$

Sequence: A274072
Score: 12.4429

Type of gen. func.: ogf

$$-5 f(x) x^2 - 4 f(x) x + f(x) - 6 x$$

Sequence: A274072
Score: 14.9822
Type of gen. func.: lgdogf

$$-\frac{-10 x - 4}{-5 x^2 - 4 x + 1}$$

Sequence: A274072
Score: 19.8414
Type of gen. func.: ogf

$$-\frac{6 x}{(x + 1) (5 x - 1)}$$

Sequence: A274072
Score: 9.06333
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) + 5 a(n), a(0) = 0, a(1) = 6\}$$

Sequence: A274073
Score: 12.4888
Type of gen. func.: ogf

$$-6 f(x) x^2 - 5 f(x) x + f(x) - 7 x$$

Sequence: A274073
Score: 15.0376
Type of gen. func.: lgdogf

$$-\frac{-12 x - 5}{-6 x^2 - 5 x + 1}$$

Sequence: A274073
Score: 19.9146
Type of gen. func.: ogf

$$-\frac{7x}{(x+1)(6x-1)}$$

Sequence: A274073
Score: 9.09679
Type of gen. func.: ogf

$$\{-a(n+2)+5a(n+1)+6a(n),\ a(0)=0,\ a(1)=7\}$$

Sequence: A274074
Score: 10.7243
Type of gen. func.: lgdogf

$$-\frac{30x^2-24x-5}{30x^3+13x^2-15x+2}$$

Sequence: A274074
Score: 16.4439
Type of gen. func.: ogf

$$\frac{5x-2}{(x+1)(6x-1)}$$

Sequence: A274074
Score: 8.13161
Type of gen. func.: ogf

$$-(49f(x)-73)(6f(x)x^2+5f(x)x-f(x)-5x+2)$$

Sequence: A274074
Score: 9.02410
Type of gen. func.: ogf

{-a(n + 2) + 5 a(n + 1) + 6 a(n), a(0) = 2, a(1) = 5}

Sequence: A274075
Score: 11.6971
Type of gen. func.: ogf

$$\frac{9 x^2 - 2 x - 3}{x^3 + 9 x^2 - x - 1}$$

Sequence: A274075
Score: 6.31436
Type of gen. func.: ogf

$$(67 f(x) - 69) (f(x) x^3 + 9 f(x) x^2 - f(x) x - 9 x^2 - f(x) + 2 x + 3)$$

Sequence: A274075
Score: 6.31437
Type of gen. func.: ogf

{-a(n + 3) - a(n + 2) + 9 a(n + 1) + a(n), a(0) = 3, a(1) = -1, a(2) = 19}

Sequence: A274075
Score: 7.06459
Type of gen. func.: lgdogf

$$- \frac{-9 x^4 + 4 x^3 + 18 x^2 + 36 x - 1}{-9 x^5 - 79 x^4 + 30 x^3 + 34 x^2 - 5 x - 3}$$

Sequence: A274077
Score: 10.2195
Type of gen. func.: ogf

$$- \frac{3 x^3 - 16 x^2 + 11 x - 4}{(x - 1)^4}$$

```
--------------------------------------------------------------------------------

Sequence:  A274077
Score: 3.95753
Type of gen. func.: ogf


         2                                       2
{(1735 n  + 9341 n + 11742) a(n + 1) + (-2816 n  - 11152 n - 9000) a(n + 2)

               2
     + (1081 n  + 3773 n + 1590) a(n + 3), a(0) = 4, a(1) = 5, a(2) = 12}



--------------------------------------------------------------------------------

Sequence:  A274077
Score: 5.6065
Type of gen. func.: ogf


(708 f(x) + 3163) (

           4            3            2      3                   2
    f(x) x  - 4 f(x) x  + 6 f(x) x  + 3 x  - 4 f(x) x - 16 x  + f(x) + 11 x - 4

    )



--------------------------------------------------------------------------------

Sequence:  A274077
Score: 9.61115
Type of gen. func.: lgdogf


                                     3       2
                                -3 x  + 23 x  - x + 5
                       - ---------------------------------
                              4       3       2
                          -3 x  + 19 x  - 27 x  + 15 x - 4



--------------------------------------------------------------------------------

Sequence:  A274093
Score: 22.3061
Type of gen. func.: ogf_with_Euler_transform]


                                        -2 - x
                                      - ------
                                        x - 1



--------------------------------------------------------------------------------

Sequence:  A274094
Score: 21.8878
Type of gen. func.: ogf_with_Euler_transform]


                                        -2 - x
                                      - ------
                                        x - 1
```

Sequence: A274100
Score: 5.87575
Type of gen. func.: ogf

$$-\frac{16x^6+18x^5+27x^4-5x^3-32x^2+12x-1}{(x-1)(4x-1)(2x-1)(8x-1)(x+1)}$$

Sequence: A274104
Score: 3.44753
Type of gen. func.: ogf

$$\{(4n^2+22n+30)a(n+1)+(-9n^2-62n-110)a(n+2)$$

$$+(6n^2+49n+100)a(n+3)+(-n^2-9n-20)a(n+4),\ a(0)=2,$$

$$a(1)=7,\ a(2)=23,\ a(3)=78\}$$

Sequence: A274104
Score: 6.1034
Type of gen. func.: ogf

$$4f(x)^2x^4-9f(x)^2x^3+6f(x)^2x^2-f(x)^2x-4f(x)x^2+5f(x)x-f(x)$$

$$+x+2$$

Sequence: A274110
Score: 12.6837
Type of gen. func.: ogf

$$-\frac{x^4+x^2-1}{(x-1)(x+1)(x^3-x^2+2x-1)}$$

Sequence: A274112
Score: 11.216
Type of gen. func.: ogf

2 4 2 2 2

```
              -f(x)  x  - f(x)  x  + f(x)  x - 2 f(x) x + f(x) - 1



-------------------------------------------------------------------------------

Sequence:  A274114
Score: 6.10882
Type of gen. func.: ogf


     3  2         3         3         2           2         2                2
-f(x)  x  + 3 f(x)  x - f(x)  - 6 f(x)  x + f(x) x  + 2 f(x)  + 5 f(x) x - x

     - f(x) - 2 x



-------------------------------------------------------------------------------

Sequence:  A274115
Score: 5.6743
Type of gen. func.: ogf


     2  3         2  2           3       2             2      3       2
-f(x)  x  - 2 f(x)  x  + 2 f(x) x  - f(x)  x + 5 f(x) x  - 2 x  + f(x)

                   2
     + f(x) x - 3 x  - 2 f(x) + 1



-------------------------------------------------------------------------------

Sequence:  A274119
Score: 4.39882
Type of gen. func.: ogf


(615509612424 f(x) + 33456143699869)

           4           3           2                  2
    (f(x) x  - 4 f(x) x  + 6 f(x) x  - 4 f(x) x - 21 x  + f(x) - 76 x - 11)



-------------------------------------------------------------------------------

Sequence:  A274119
Score: 9.40023
Type of gen. func.: lgdogf


                                   2
                               42 x  + 270 x + 120
                          - --------------------------
                                3       2
                            21 x  + 55 x  - 65 x - 11



-------------------------------------------------------------------------------

Sequence:  A274119
Score: 9.53079
Type of gen. func.: ogf


                                   2
                               21 x  + 76 x + 11
```

$$\frac{\quad}{(x - 1)^{4}}$$

Sequence: A274129
Score: 10.7907
Type of gen. func.: ogf

$$\frac{11 (x - 1)}{(2 x - 1) (11 x - 1)^{2}}$$

Sequence: A274129
Score: 5.26376
Type of gen. func.: ogf

$$\{a(n + 3) - 24 a(n + 2) + 165 a(n + 1) - 242 a(n), a(0) = 11, a(1) = 253, a(2) = 4257\}$$

Sequence: A274129
Score: 5.30691
Type of gen. func.: ogf

$$(1242595 f(x) - 1056561) (242 f(x) x^{3} - 165 f(x) x^{2} + 24 f(x) x - f(x) - 11 x + 11)$$

Sequence: A274129
Score: 9.24919
Type of gen. func.: lgdogf

$$- \frac{-44 x^{2} + 77 x - 23}{-22 x^{3} + 35 x^{2} - 14 x + 1}$$

Sequence: A274136
Score: 3.79365
Type of gen. func.: ogf

$$\{(-4 n^{4} - 46 n^{3} - 198 n^{2} - 378 n - 270) a(n + 1) + (n^{2} + 6 n + 8) a(n + 2),$$

a(0) = 1, a(1) = 16}

Sequence: A274160
Score: 4.97614
Type of gen. func.: ogf

$$4 f(x)^2 x^4 - 6 f(x)^2 x^3 - 4 f(x) x^4 + 10 f(x) x^3 + x^4 + 3 f(x)^2 x - 2 f(x) x^2 - 4 x^3 - f(x)^2 - 5 f(x) x + 2 x^2 + 2 f(x) + 2 x - 1$$

Sequence: A274161
Score: 5.69101
Type of gen. func.: ogf

$$(6 x^{14} - 2 x^{13} + 8 x^{11} - 2 x^{10} - 2 x^9 + 2 x^8 + 3 x^6 + 4 x^5 + 6 x^4 + 4 x^3 + 4 x^2 + x + 2) / ((x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A274162
Score: 2.83649
Type of gen. func.: ogf

$$-f(x) (f(x) x^2 + f(x) x - x^2 - f(x) + 1)^2$$

Sequence: A274171
Score: 3.54391
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A274201
Score: 6.94604
Type of gen. func.: ogf

$$- (x - 1) (x^4 + x^3 + x^2 + x + 1) (x^8 - x^7 + x^5 - x^4 + x^3 - x + 1) (x^2 + x + 1)^2$$

/   20   19   18   15   4   3

/ (x + x + x - x - x - x + 1)
/

Sequence: A274203
Score: 11.0227
Type of gen. func.: ogf

$$-\frac{x\,(x^3 + x - 1)}{(x - 1)\,(x^4 + 2\,x^3 + 3\,x^2 + 2\,x - 1)}$$

Sequence: A274217
Score: 7.08483
Type of gen. func.: ogf

$$-\frac{x\,(5\,x^6 - 6\,x^5 - 4\,x^4 + 6\,x^2 + 4\,x - 4)}{(x + 1)\,(x^2 + x + 1)\,(2\,x - 1)^2\,(x - 1)^2}$$

Sequence: A274220
Score: 13.6048
Type of gen. func.: ogf

$$-\frac{3\,x^2 + 8\,x + 3}{x^3 - 3\,x^2 - 4\,x - 1}$$

Sequence: A274220
Score: 7.34419
Type of gen. func.: ogf

$$\{-a(n + 3) - 4\,a(n + 2) - 3\,a(n + 1) + a(n),\ a(0) = 3,\ a(1) = -4,\ a(2) = 10\}$$

Sequence: A274220
Score: 7.47651
Type of gen. func.: ogf

$$(f(x) - 3)\,(f(x)\,x^3 - 3\,f(x)\,x^2 - 4\,f(x)\,x + 3\,x^2 - f(x) + 8\,x + 3)$$

Sequence: A274220
Score: 8.21676
Type of gen. func.: lgdogf

$$-\frac{-3 x^4 - 16 x^3 + 3 x^2 + 12 x + 4}{-3 x^5 + x^4 + 33 x^3 + 44 x^2 + 20 x + 3}$$

Sequence: A274221
Score: 6.92256
Type of gen. func.: ogf

$$-\frac{x^2 (x^4 + 3 x^3 + x^2 + 3 x + 1)}{(x^2 + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A274230
Score: 16.7370
Type of gen. func.: ogf

$$-\frac{x^2}{(2 x - 1) (x - 1) (2 x^2 - 1)}$$

Sequence: A274230
Score: 5.62473
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 3) + 6 a(n + 1) - 4 a(n), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 3\}$$

Sequence: A274230
Score: 8.4718
Type of gen. func.: ogf

$$-4 f(x) x^4 + 6 f(x) x^3 - 3 f(x) x - x^2 + f(x)$$

Sequence: A274230
Score: 9.80310
Type of gen. func.: lgdogf

$$-\frac{-16 x^3 + 18 x^2 - 3}{-4 x^4 + 6 x^3 - 3 x + 1}$$

Sequence: A274232
Score: 10.7821
Type of gen. func.: ogf

$$-\frac{2 x^3 + 4 x^2 - 5 x + 1}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A274232
Score: 5.63244
Type of gen. func.: ogf

{-a(n + 4) + 7 a(n + 3) - 14 a(n + 2) + 8 a(n + 1), a(0) = 1, a(1) = 2,

a(2) = 4, a(3) = 10}

Sequence: A274232
Score: 7.7015
Type of gen. func.: ogf

$$8 f(x) x^3 - 14 f(x) x^2 + 2 x^3 + 7 f(x) x + 4 x^2 - f(x) - 5 x + 1$$

Sequence: A274233
Score: 5.09319
Type of gen. func.: ogf

$$-\frac{x^8 - 3 x^7 + 6 x^6 - 7 x^5 + 9 x^4 - 7 x^3 + 6 x^2 - 3 x + 1}{(x^2 + 1) (x^2 + x + 1) (x - 1)^5}$$

Sequence: A274248
Score: 8.24424
Type of gen. func.: lgdogf

$$-\frac{-2 x^4 - 12 x^3 - 20 x^2 - 17 x - 5}{-x^5 - 3 x^4 - x^3 + 2 x^2 + 2 x + 1}$$

Sequence: A274248
Score: 9.60212
Type of gen. func.: ogf

$$\frac{x^3 + 3 x^2 + 2 x + 1}{(x + 1) (x - 1)^4}$$

Sequence: A274250
Score: 6.05898
Type of gen. func.: ogf

$$-\frac{x^7 + x^6 + 2 x^5 + 3 x^4 + 3 x^3 + 3 x^2 - 2 x + 1}{(x + 1) (x^2 + x + 1) (x - 1)^5}$$

Sequence: A274251
Score: 5.16372
Type of gen. func.: ogf

$$-\frac{2 x^8 + 38 x^7 + 88 x^6 + 110 x^5 + 83 x^4 + 28 x^3 + 14 x^2 - 4 x + 1}{(x + 1) (x^2 + x + 1) (x - 1)^7}$$

Sequence: A274265
Score: 10.7388
Type of gen. func.: revegf]

$$(\ln(x - 1) - \mathrm{Pi}\ I) (x - 1)^3$$

Sequence: A274266
Score: 4.75597
Type of gen. func.: ogf

$$\{(-n^2 + 2 n - 1) a(n + 1) + (-2 n + 1) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 5, a(2) = 11\}$$

Sequence: A274267
Score: 9.64823
Type of gen. func.: revegf]

$$\mathrm{Pi}\ (x - 1)^4\ I - (x - 1)^4\ \ln(x - 1)$$

Sequence: A274268
Score: 5.15471
Type of gen. func.: ogf

$$\{(-n^2 + 4 n - 4) a(n + 1) + (-2 n + 3) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 7, a(2) = 26\}$$

Sequence: A274269
Score: 8.76738
Type of gen. func.: revegf]

$$-\mathrm{Pi}\ (x - 1)^5\ I + (x - 1)^5\ \ln(x - 1)$$

Sequence: A274270
Score: 5.10969
Type of gen. func.: ogf

$$\{(-n^2 + 6 n - 9) a(n + 1) + (-2 n + 5) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 9, a(2) = 47\}$$

Sequence: A274271
Score: 4.17418
Type of gen. func.: ogf

$$(705536 f(x) + 3013841) (729 f(x) x^4 - 1080 f(x) x^3 + 81 x^4 + 390 f(x) x^2 + 405 x^3 - 40 f(x) x - 288 x^2 + f(x) + 37 x - 1)$$

Sequence: A274271
Score: 7.16778
Type of gen. func.: ogf

$$-\frac{81 x^4 + 405 x^3 - 288 x^2 + 37 x - 1}{(x - 1) (3 x - 1) (27 x - 1) (9 x - 1)}$$

Sequence: A274272
Score: 4.91962
Type of gen. func.: ogf

$$-\frac{6750 x^4 + 5655 x^3 - 3129 x^2 + 149 x - 1}{(x - 1) (125 x - 1) (25 x - 1) (5 x - 1) (x + 1)}$$

Sequence: A274304
Score: 3.64063
Type of gen. func.: ogf

$$\{(64 n^3 + 96 n^2 + 32 n) a(n) + (-16 n^3 - 88 n^2 - 164 n - 96) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A274306
Score: 3.84880
Type of gen. func.: egf]

$$\{(-4 n^4 - 32 n^3 - 96 n^2 - 128 n - 65) a(n + 1) + (n + 2) a(n + 2), a(0) = 1, a(1) = 5\}$$

Sequence: A274311
Score: 7.60661
Type of gen. func.: ogf

$$-\frac{x^2 (x^4 - 2 x^3 - 5 x^2 + 12 x + 9)}{(x - 1)^7}$$

Sequence: A274311
Score: 9.28006
Type of gen. func.: lgdogf

$$-\frac{3 x^4 - 4 x^3 - 31 x^2 + 62 x + 75}{x^5 - 3 x^4 - 3 x^3 + 17 x^2 - 3 x - 9}$$

Sequence: A274323
Score: 7.80492
Type of gen. func.: ogf

$$-\frac{x^5 + 5 x^4 + 10 x^3 + 10 x^2 - 3 x + 1}{(x + 1) (x - 1)^5}$$

Sequence: A274324
Score: 8.37928
Type of gen. func.: lgdogf

$$-\frac{-6 x^4 - 21 x^3 - 13 x^2 - 7 x - 1}{-3 x^5 - 4 x^4 + 5 x^3 + 3 x^2 - 2 x + 1}$$

Sequence: A274324
Score: 9.66081
Type of gen. func.: ogf

$$\frac{3 x^3 + 4 x^2 - 2 x + 1}{(x + 1) (x - 1)^4}$$

Sequence: A274325
Score: 6.41508
Type of gen. func.: ogf

$$\frac{15 x^5 + 46 x^4 + 41 x^3 + 21 x^2 - 4 x + 1}{(x + 1) (x - 1)^6}$$

Sequence: A274327
Score: 14.2928
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-3 x^3 - 4 x^2 - 4 x - 4}{-x^4 + 1}$$

Sequence: A274338
Score: 7.07672
Type of gen. func.: ogf

$$- (84 x^9 + 78 x^8 + 140 x^7 + 76 x^6 + 336 x^5 + 308 x^4 + 260 x^3 + 171 x^2 + 98 x + 52) \Big/ ((x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1))$$

Sequence: A274339
Score: 14.4089
Type of gen. func.: ogf

$$- \frac{3 (6 x^2 + 8 x + 5)}{(x - 1) (x^2 + x + 1)}$$

Sequence: A274339
Score: 8.81488
Type of gen. func.: ogf

$$-(67 f(x) - 693) (f(x) x^3 + 18 x^2 - f(x) + 24 x + 15)$$

Sequence: A274339
Score: 9.48435
Type of gen. func.: ogf

$$\{a(n + 3) - a(n), a(0) = 15, a(1) = 24, a(2) = 18\}$$

Sequence: A274340
Score: 12.2830
Type of gen. func.: ogf

$$-\frac{36 x^3 + 22 x^2 + 20 x + 19}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A274340
Score: 7.20447
Type of gen. func.: ogf

$$-(1314269 f(x) + 11761647) (f(x) x^4 + 36 x^3 + 22 x^2 - f(x) + 20 x + 19)$$

Sequence: A274378
Score: 18.9375
Type of gen. func.: revogf

$$-\frac{x^5 + 2 x^4 + x^3 - x}{x^2 + 2 x + 1}$$

Sequence: A274379
Score: 17.9058
Type of gen. func.: revogf

$$-\frac{-x^6 - 3 x^5 - 3 x^4 - x^3 + x}{-x^3 - 3 x^2 - 3 x - 1}$$

Sequence: A274380
Score: 12.2830
Type of gen. func.: ogf

$$-\frac{2\,(24\,x^{3}+21\,x^{2}+27\,x+17)}{(x-1)\,(x+1)\,(x^{2}+1)}$$

Sequence: A274380
Score: 7.64556
Type of gen. func.: ogf

$$(275047\,f(x)-5453047)\,(f(x)\,x^{4}+48\,x^{3}+42\,x^{2}-f(x)+54\,x+34)$$

Sequence: A274384
Score: 10.1653
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{2}+x+2$$

Sequence: A274399
Score: 26.5845
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{21}+x^{20}+2$$

Sequence: A274406
Score: 13.6058
Type of gen. func.: lgdogf

$$-\frac{-2\,x^{2}-25\,x-9}{-x^{3}-8\,x^{2}+x+8}$$

Sequence: A274406
Score: 15.5154
Type of gen. func.: ogf

$$\frac{x (x + 8)}{(x + 1) (x - 1)^2}$$

Sequence: A274406
Score: 7.49473
Type of gen. func.: ogf

$$-(6849 f(x) + 59345) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - 8 x)$$

Sequence: A274406
Score: 7.96736
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 8, a(2) = 9\}$$

Sequence: A274448
Score: 5.86352
Type of gen. func.: egf]

$$(25769803776 x^{16} + 12884901888 x^{15} - 6656 x^4 + 2080 x^3 + 416 x^2 + 78 x + 13) / (12884901888 x^{15} - 13312 x^4 + 832 x^3 + 208 x^2 + 52 x + 13)$$

Sequence: A274493
Score: 9.09421
Type of gen. func.: ogf

$$-f(x)^2 x^4 - 2 f(x) x^3 + f(x) x^2 - 2 f(x) x + f(x) - x$$

Sequence: A274497
Score: 15.5674
Type of gen. func.: lgdogf

$$-\frac{-12 x - 2}{-4 x^2 + 1}$$

Sequence: A274497
Score: 15.5674
Type of gen. func.: ogf

$$\frac{2 x^2}{(2 x + 1) (2 x - 1)^2}$$

Sequence: A274497
Score: 6.36849
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 4 a(n + 1) + 8 a(n), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A274497
Score: 8.64856
Type of gen. func.: ogf

$$8 f(x) x^3 - 4 f(x) x^2 - 2 f(x) x - 2 x^2 + f(x)$$

Sequence: A274499
Score: 17.2405
Type of gen. func.: ogf

$$\frac{6 x^2}{(3 x + 1) (3 x - 1)^2}$$

Sequence: A274499
Score: 17.6236
Type of gen. func.: lgdogf

$$- \frac{-27 x - 3}{-9 x^2 + 1}$$

Sequence: A274499

Score: 7.14472
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 9 a(n + 1) + 27 a(n), a(0) = 0, a(1) = 0, a(2) = 6\}$$

Sequence: A274499
Score: 9.67152
Type of gen. func.: ogf

$$27 f(x) x^{3} - 9 f(x) x^{2} - 3 f(x) x - 6 x^{2} + f(x)$$

Sequence: A274501
Score: 15.1076
Type of gen. func.: lgdogf

$$-\frac{-144 x - 31}{-24 x^{2} + 23 x + 1}$$

Sequence: A274501
Score: 5.19936
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 3) + (8 - 23 n) a(n + 2) + (144 + 24 n) a(n + 1), a(0) = 0,$$

$$a(1) = 1, a(2) = 31\}$$

Sequence: A274501
Score: 8.51810
Type of gen. func.: ogf

$$-\frac{x (24 x + 1)}{(x - 1)^{7}}$$

Sequence: A274502
Score: 15.1013
Type of gen. func.: lgdogf

```
   -63 x - 17
 - ---------------
     2
```

$$-9 x \;\; + 8 x + 1$$

Sequence: A274502
Score: 5.03377
Type of gen. func.: ogf

$\{(-1 - n) a(n + 3) + (17 - 8 n) a(n + 2) + (54 + 9 n) a(n + 1), a(0) = 0,$

$a(1) = 0, a(2) = 9\}$

Sequence: A274502
Score: 7.05669
Type of gen. func.: ogf

$$\frac{9 x^{2} (9 x + 1)}{(x - 1)^{8}}$$

Sequence: A274503
Score: 10.1917
Type of gen. func.: lgdogf

$$-\frac{1750 x^{2} + 900 x + 59}{250 x^{3} - 200 x^{2} - 49 x - 1}$$

Sequence: A274503
Score: 5.97170
Type of gen. func.: ogf

$$-\frac{x^{2} (250 x^{2} + 50 x + 1)}{(x - 1)^{9}}$$

Sequence: A274520
Score: 12.8482
Type of gen. func.: ogf

$$-6 f(x) x^{2} - 2 f(x) x + f(x) - 2 x$$

Sequence: A274520
Score: 15.4703
Type of gen. func.: lgdogf

$$-\frac{-12x-2}{-6x^2-2x+1}$$

Sequence: A274520
Score: 20.4876
Type of gen. func.: ogf

$$-\frac{2x}{6x^2+2x-1}$$

Sequence: A274520
Score: 9.35856
Type of gen. func.: ogf

$$\{-a(n+2)+2a(n+1)+6a(n), a(0)=0, a(1)=2\}$$

Sequence: A274526
Score: 11.6952
Type of gen. func.: ogf

$$-10 f(x) x^2 - 2 f(x) x + f(x) - 2x$$

Sequence: A274526
Score: 14.0343
Type of gen. func.: lgdogf

$$-\frac{-20x-2}{-10x^2-2x+1}$$

Sequence: A274526

Score: 18.4662
Type of gen. func.: ogf

```
                                       2 x
                               - ---------------
                                     2
                                 10 x  + 2 x - 1
```

Sequence: A274526
Score: 8.55751
Type of gen. func.: ogf

```
             {-a(n + 2) + 2 a(n + 1) + 10 a(n), a(0) = 0, a(1) = 2}
```

Sequence: A274544
Score: 6.57415
Type of gen. func.: ogf

```
                          4       3        2
                         x  + 12 x  - 530 x  + 12 x + 1
                   - ---------------------------------------
                               2               2
                     (x - 1) (x  + 38 x + 1) (x  - 38 x + 1)
```

Sequence: A274545
Score: 5.67647
Type of gen. func.: ogf

```
                          4       3         2
                         x  + 28 x  - 5938 x  + 28 x + 1
                  - -----------------------------------------
                              2                2
                    (x - 1) (x  + 198 x + 1) (x  - 198 x + 1)
```

Sequence: A274579
Score: 5.65918
Type of gen. func.: ogf

```
                     6      5       4        3       2
                 x (x  + 6 x  + 20 x  + 513 x  + 20 x  + 6 x + 1)
            - ------------------------------------------------------
                        2              2              4       2
              (x - 1) (x  + 6 x - 1) (x  - 6 x - 1) (x  + 38 x  + 1)
```

Sequence: A274583
Score: 9.46470

Type of gen. func.: ogf

$$-\frac{x^6 - x^4 - x^3 + x^2 + x + 1}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A274587
Score: 4.31548
Type of gen. func.: ogf

$$-\frac{x^6 - 12 x^5 + 560 x^4 - 13236 x^3 + 560 x^2 - 12 x + 1}{(x - 1) (x^2 - 34 x + 1) (x^4 + 1154 x^2 + 1)}$$

Sequence: A274588
Score: 6.32464
Type of gen. func.: ogf

$$-\frac{x^4 + 7 x^3 - 268 x^2 + 7 x + 1}{(x - 1) (x^2 - 30 x + 1) (x^2 + 30 x + 1)}$$

Sequence: A274592
Score: 10.3303
Type of gen. func.: ogf

$$\frac{25 x^2 + 62 x - 3}{x^3 + 25 x^2 + 31 x - 1}$$

Sequence: A274592
Score: 5.28718
Type of gen. func.: ogf

$(1490749 f(x) - 1120103)$

$$(f(x) x^3 + 25 f(x) x^2 + 31 f(x) x - 25 x^2 - f(x) - 62 x + 3)$$

Sequence: A274592
Score: 5.69043
Type of gen. func.: ogf

$$\{a(n+3) - 31\, a(n+2) - 25\, a(n+1) - a(n),\ a(0) = 3,\ a(1) = 31,\ a(2) = 1011\}$$

Sequence: A274592
Score: 5.83888
Type of gen. func.: lgdogf

$$-\frac{25 x^4 + 124 x^3 + 766 x^2 - 100 x - 31}{25 x^5 + 687 x^4 + 2322 x^3 + 1822 x^2 - 155 x + 3}$$

Sequence: A274603
Score: 13.6152
Type of gen. func.: ogf

$$-\frac{45}{(x - 1)(x^2 - 98 x + 1)}$$

Sequence: A274603
Score: 4.87046
Type of gen. func.: ogf

$$\{a(n+3) - 99\, a(n+2) + 99\, a(n+1) - a(n),\ a(0) = 45,\ a(1) = 4455,$$
$$a(2) = 436590\}$$

Sequence: A274603
Score: 5.30147
Type of gen. func.: ogf

$$(92208103 f(x) - 13275)(f(x) x^3 - 99 f(x) x^2 + 99 f(x) x - f(x) + 45)$$

Sequence: A274603
Score: 8.68213
Type of gen. func.: lgdogf

$$-\frac{3x^2-198x+99}{x^3-99x^2+99x-1}$$

Sequence: A274615
Score: 4.54409
Type of gen. func.: ogf

$$(2x^{17}-3x^{15}+8x^{14}-2x^{13}+x^{12}-3x^{11}+x^{10}+5x^9+x^8+3x^7-5x^6+8x^5-2x^4-3x^3+x^2+3x+1)\Big/\left((x+1)(x^8+1)(x^2+1)(x^4+1)(x-1)^2\right)$$

Sequence: A274616
Score: 9.75465
Type of gen. func.: ogf

$$-\frac{x(x^3-x^2-1)(x^4+1)}{(x^2+x+1)(x-1)^2}$$

Sequence: A274621
Score: 32.8915
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2}{x+1}$$

Sequence: A274626
Score: 8.70060
Type of gen. func.: ogf

$$\frac{x^3(2x^2+1)}{(2x-1)(x-1)(4x^3-1)(2x^3-1)}$$

Sequence: A274627
Score: 5.38395
Type of gen. func.: ogf

$$-\frac{x^4\,(8x^6+4x^4+6x^3+2x^2+1)}{(2x-1)\,(x-1)\,(8x^4-1)\,(2x^4-1)\,(2x^2-1)\,(2x^2+1)}$$

Sequence: A274638
Score: 15.2724
Type of gen. func.: ogf

$$\frac{x^2\,(4x-3)}{(2x-1)\,(x-1)\,(2x^2-1)}$$

Sequence: A274638
Score: 8.03118
Type of gen. func.: ogf

$$(363 f(x) + 3280)\,(4 f(x) x^4 - 6 f(x) x^3 - 4 x^3 + 3 f(x) x + 3 x^2 - f(x))$$

Sequence: A274638
Score: 9.31617
Type of gen. func.: lgdogf

$$-\frac{-48x^4+96x^3-54x^2+5}{-16x^5+36x^4-18x^3-12x^2+13x-3}$$

Sequence: A274642
Score: 9.01385
Type of gen. func.: ogf

$$\frac{12x^8+128x^7+204x^6+145x^5+128x^4+33x^3-60x^2-55x-28}{4x^3-1}$$

Sequence: A274663
Score: 10.4997
Type of gen. func.: ogf

$$\frac{(11 x + 3) (x - 1)}{x^3 + 11 x^2 - 4 x - 1}$$

Sequence: A274663
Score: 5.4668
Type of gen. func.: ogf

$$(28223 f(x) - 31293) (f(x) x^3 + 11 f(x) x^2 - 4 f(x) x - 11 x^2 - f(x) + 8 x + 3)$$

Sequence: A274663
Score: 5.80248
Type of gen. func.: ogf

$$\{-a(n + 3) - 4 a(n + 2) + 11 a(n + 1) + a(n), a(0) = 3, a(1) = -4, a(2) = 38\}$$

Sequence: A274664
Score: 6.77143
Type of gen. func.: ogf

$$\frac{149090 x^7 + 596360 x^6 - 1639990 x^5 - 149090 x^4 + 4 x^2 - 22 x - 3}{x^3 + 4 x^2 - 11 x - 1}$$

Sequence: A274665
Score: 3.97253
Type of gen. func.: ogf

$$\{(27 n^2 + 108 n + 105) a(n + 1) + (-29 n^2 - 145 n - 182) a(n + 2)$$

$$+ (2 n^2 + 12 n + 18) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 30\}$$

Sequence: A274680
Score: 5.32146

Type of gen. func.: ogf

$$-\frac{459 x (35 x^2 + 1154 x + 35)}{(x - 1) (x^2 - 1154 x + 1) (x^2 + 1154 x + 1)}$$

Sequence: A274681
Score: 10.0842
Type of gen. func.: ogf

$$-\frac{x (5 x^2 + 6 x + 5)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A274681
Score: 10.7477
Type of gen. func.: lgdogf

$$-\frac{15 x^3 + 29 x^2 + 41 x + 11}{5 x^4 + 6 x^3 - 6 x - 5}$$

Sequence: A274682
Score: 8.80619
Type of gen. func.: ogf

$$-\frac{2 x^4 + 5 x^3 + 18 x^2 + 5 x + 2}{(x + 1)^2 (x - 1)^3}$$

Sequence: A274719
Score: 18.8188
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x}{x^2 - 1}$$

Sequence: A274723
Score: 5.73906
Type of gen. func.: ogf

$$\frac{8 x^6 - 4 x^5 - 21 x^4 - 45 x^3 - 24 x^2 + 9 x + 5}{(x - 1) (4 x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A274729
Score: 4.90430
Type of gen. func.: ogf

$$- \frac{4 (2 x^6 - 12 x^5 + 13 x^4 + 12 x^3 - 21 x^2 + 4 x + 1)}{(x - 1) (x^5 - 6 x^4 + 7 x^3 + 3 x^2 - 7 x + 1)}$$

Sequence: A274730
Score: 3.41910
Type of gen. func.: ogf

$$- \frac{4 (24 x^8 - 72 x^7 + 434 x^6 - 1108 x^5 + 841 x^4 - 77 x^3 - 98 x^2 + 16 x + 2)}{(x - 1) (4 x^6 - 12 x^5 - 61 x^4 + 72 x^3 - 8 x^2 - 9 x + 1)}$$

Sequence: A274734
Score: 15.4760
Type of gen. func.: revogf

$$- \frac{-x^4 - 2 x^3 - x^2 + x}{-x^2 - 2 x - 1}$$

Sequence: A274735
Score: 12.8371
Type of gen. func.: revogf

$$- \frac{-x^5 - 3 x^4 - 3 x^3 - x^2 + x}{-x^3 - 3 x^2 - 3 x - 1}$$

Sequence: A274743
Score: 12.1803
Type of gen. func.: ogf

$$\frac{99\,(10\,x+1)}{(100\,x-1)\,(x-1)}$$

Sequence: A274743
Score: 5.91938
Type of gen. func.: ogf

$$(11111111\,f(x)+266263380)\,(100\,f(x)\,x^{2}-101\,f(x)\,x+f(x)-990\,x-99)$$

Sequence: A274743
Score: 6.96015
Type of gen. func.: ogf

$$\{-a(n+2)+101\,a(n+1)-100\,a(n),\ a(0)=99,\ a(1)=10989\}$$

Sequence: A274743
Score: 8.22564
Type of gen. func.: lgdogf

$$-\frac{1000\,x^{2}+200\,x-111}{1000\,x^{3}-910\,x^{2}-91\,x+1}$$

Sequence: A274745
Score: 4.22026
Type of gen. func.: ogf

$$\{a(n+4)-6\,a(n+3)-a(n+2)+2\,a(n+1),\ a(0)=4,\ a(1)=22,\ a(2)=133,$$

$$a(3)=813\}$$

Sequence: A274745
Score: 4.38012

Type of gen. func.: ogf

$$-(-43971 + 100874 f(x)) \left(2 f(x) x^3 - f(x) x^2 - x^3 - 6 f(x) x + 3 x^2 + f(x) + 2 x - 4\right)$$

Sequence: A274745
Score: 8.37936
Type of gen. func.: ogf

$$\frac{(x - 1) (x^2 - 2 x - 4)}{2 x^3 - x^2 - 6 x + 1}$$

Sequence: A274746
Score: 6.27947
Type of gen. func.: ogf

$$-\frac{2 (3 x^5 - 8 x^4 - 2 x^3 + 11 x^2 + 6 x - 4)}{2 x^5 - 10 x^4 + 14 x^3 - 9 x + 1}$$

Sequence: A274750
Score: 4.6027
Type of gen. func.: ogf

$$-(598 f(x) + 149) \left(2 f(x) x^4 - 2 f(x) x^3 - 7 f(x) x^2 + 2 x^3 - 2 f(x) x - 2 x^2 + f(x) - 5 x - 2\right)$$

Sequence: A274750
Score: 8.66740
Type of gen. func.: ogf

$$-\frac{2 x^3 - 2 x^2 - 5 x - 2}{(x + 1) (2 x^3 - 4 x^2 - 3 x + 1)}$$

Sequence: A274751
Score: 3.72978
Type of gen. func.: ogf

$$-\frac{6 x^{7} - 6 x^{6} - 45 x^{5} + 46 x^{4} + 55 x^{3} - 10 x^{2} - 19 x - 4}{(x^{2} - x - 1) (4 x^{6} + 2 x^{5} - 25 x^{4} - 3 x^{3} + 16 x^{2} + 3 x - 1)}$$

Sequence: A274755
Score: 10.2598
Type of gen. func.: lgdogf

$$-\frac{200 x - 101}{100 x^{2} - 101 x + 1}$$

Sequence: A274755
Score: 14.3637
Type of gen. func.: ogf

$$\frac{1089}{(100 x - 1) (x - 1)}$$

Sequence: A274755
Score: 5.47189
Type of gen. func.: ogf

$$(101010101 f(x) + 3321776700) (100 f(x) x^{2} - 101 f(x) x + f(x) - 1089)$$

Sequence: A274755
Score: 6.11222
Type of gen. func.: ogf

$$\{-a(n + 2) + 101 a(n + 1) - 100 a(n), a(0) = 1089, a(1) = 109989\}$$

Sequence: A274756
Score: 6.33919
Type of gen. func.: ogf

$$-\frac{63 x (15 x^2 + 194 x + 15)}{(x - 1) (x^2 + 194 x + 1) (x^2 - 194 x + 1)}$$

Sequence: A274757
Score: 10.9261
Type of gen. func.: lgdogf

$$-\frac{9 x^3 + 11 x^2 + 23 x + 5}{3 x^4 + 2 x^3 - 2 x - 3}$$

Sequence: A274757
Score: 9.98188
Type of gen. func.: ogf

$$-\frac{3 x (3 x^2 + 2 x + 3)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A274759
Score: 9.27532
Type of gen. func.: ogf

$$-\frac{x (x^8 + x^5 + x^4 + x^2 + x + 1)}{x^{12} + x^9 + x^6 + x^3 - 1}$$

Sequence: A274761
Score: 11.5494
Type of gen. func.: lgdogf

$$-\frac{-2 x^3 + 8 x^2 + 6 x + 2}{-x^4 + 2 x^3 + 2 x^2 + 4 x - 3}$$

Sequence: A274761
Score: 17.4330
Type of gen. func.: ogf

$$\frac{x - 3}{x^3 + x^2 + x - 1}$$

Sequence: A274761
Score: 8.24954
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) - a(n), a(0) = 3, a(1) = 2, a(2) = 5\}$$

Sequence: A274761
Score: 8.63502
Type of gen. func.: ogf

$$(296 f(x) - 743) (f(x) x^3 + f(x) x^2 + f(x) x - f(x) - x + 3)$$

Sequence: A274766
Score: 11.4340
Type of gen. func.: ogf

$$- \frac{11 x}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A274766
Score: 5.01980
Type of gen. func.: ogf

$$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 0, a(1) = 11, a(2) = 1221\}$$

Sequence: A274766
Score: 5.56248
Type of gen. func.: ogf

$$(111 f(x) + 11) (1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - f(x) + 11 x)$$

Sequence: A274766
Score: 7.71794
Type of gen. func.: lgdogf

$$-\frac{3000 x^{2} - 2220 x + 111}{1000 x^{3} - 1110 x^{2} + 111 x - 1}$$

Sequence: A274768
Score: 7.63156
Type of gen. func.: ogf

$$\frac{14 x^{13} - 69 x^{12} + 29 x^{11} + 23 x^{10} + 6 x^{6} + 4 x^{5} + x^{4} - x - 1}{x^{2} + x - 1}$$

Sequence: A274772
Score: 14.2114
Type of gen. func.: lgdogf

$$-\frac{20 x^{3} + 30 x^{2} + 24 x + 6}{5 x^{4} + 2 x^{3} - 4 x^{2} - 2 x - 1}$$

Sequence: A274772
Score: 14.5623
Type of gen. func.: ogf

$$-\frac{x (5 x^{2} + 2 x + 1)}{(x + 1) (x - 1)^{5}}$$

Sequence: A274786
Score: 3.79353
Type of gen. func.: ogf

$\{(-16 n^{3} - 96 n^{2} - 188 n - 120) a(n + 1)$

$$+ (-44 n^3 - 330 n^2 - 826 n - 690) a(n + 2)$$

$$+ (n^3 + 9 n^2 + 27 n + 27) a(n + 3), a(0) = 1, a(1) = 6, a(2) = 114\}$$

Sequence: A274798
Score: 10.6803
Type of gen. func.: ogf

$$- \frac{2 (x + 1)^2}{2 x^3 + 6 x^2 + 2 x - 1}$$

Sequence: A274798
Score: 5.76549
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 6 a(n + 1) - 2 a(n), a(0) = 2, a(1) = 8, a(2) = 30\}$$

Sequence: A274798
Score: 5.86938
Type of gen. func.: ogf

$$(9 f(x) + 5) (2 f(x) x^3 + 6 f(x) x^2 + 2 f(x) x + 2 x^2 - f(x) + 4 x + 2)$$

Sequence: A274798
Score: 8.04321
Type of gen. func.: lgdogf

$$- \frac{-2 x^3 - 6 x^2 - 10 x - 4}{-2 x^4 - 8 x^3 - 8 x^2 - x + 1}$$

Sequence: A274799
Score: 6.31103
Type of gen. func.: ogf

$$2 (x^4 + x^3 - 4 x^2 - 7 x - 2)$$

$$-\frac{}{2 x^{5}+2 x^{4}-11 x^{3}-15 x^{2}-2 x+1}$$

Sequence: A274800
Score: 4.21248
Type of gen. func.: ogf

$$\frac{4\,(2 x^{6}+3 x^{5}-28 x^{4}-43 x^{3}+5 x^{2}+11 x+2)}{2 x^{7}+23 x^{6}+60 x^{5}+41 x^{4}-42 x^{3}-35 x^{2}-2 x+1}$$

Sequence: A274806
Score: 4.8906
Type of gen. func.: ogf

$$-(f(x)-1)^{3}$$

Sequence: A274817
Score: 11.4479
Type of gen. func.: ogf

$$-\frac{x^{3}+6 x^{2}-3 x+1}{(x+1)\,(2 x-1)\,(x^{2}-x+1)}$$

Sequence: A274817
Score: 6.52814
Type of gen. func.: ogf

$$(9 f(x)+427)\,(2 f(x) x^{4}-f(x) x^{3}+x^{3}+2 f(x) x+6 x^{2}-f(x)-3 x+1)$$

Sequence: A274830
Score: 10.1451
Type of gen. func.: ogf

$$-\frac{x\,(2 x^{2}+3 x+2)}{\qquad^{2}\qquad\quad^{3}}$$

$$(x + 1)\ (x - 1)$$

Sequence: A274830
Score: 11.1048
Type of gen. func.: lgdogf

$$-\frac{6 x^3 + 14 x^2 + 17 x + 5}{2 x^4 + 3 x^3 - 3 x - 2}$$

Sequence: A274832
Score: 7.25811
Type of gen. func.: ogf

$$-\frac{27 x (x^2 + 10 x + 1)}{(x - 1) (x^2 - 30 x + 1) (x^2 + 30 x + 1)}$$

Sequence: A274845
Score: 10.7004
Type of gen. func.: ogf

$$-\frac{x^5 - 2 x^4 + x^3 + x^2 + 1}{(2 x^2 - 1) (2 x^2 + 1) (x^4 + 1)}$$

Sequence: A274853
Score: 10.2971
Type of gen. func.: ogf

$$-\frac{2 x^3 - 4 x^2 + 3 x + 2}{x^3 - 2 x^2 + 3 x - 1}$$

Sequence: A274853
Score: 5.30224
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 2, a(1) = 9, a(2) = 19, a(3) = 43\}$$

Sequence: A274853
Score: 5.684
Type of gen. func.: ogf

$$(1325 f(x) + 5098) (f(x) x^3 - 2 f(x) x^2 + 2 x^3 + 3 f(x) x - 4 x^2 - f(x) + 3 x + 2)$$

Sequence: A274853
Score: 7.10500
Type of gen. func.: lgdogf

$$- \frac{6 x^3 - 18 x^2 + 16 x - 9}{-2 x^6 + 8 x^5 - 17 x^4 + 18 x^3 - 9 x^2 - 3 x + 2}$$

Sequence: A274854
Score: 5.78594
Type of gen. func.: ogf

$$\frac{9 x^6 - 63 x^5 + 119 x^4 - 106 x^3 + 56 x^2 - 7 x - 4}{(x - 1) (x^4 - 5 x^3 + 5 x^2 - 4 x + 1)}$$

Sequence: A274855
Score: 3.61221
Type of gen. func.: ogf

$$(54 x^9 - 373 x^8 + 1441 x^7 - 3116 x^6 + 3819 x^5 - 2791 x^4 + 1269 x^3 - 332 x^2 + 17 x + 8) / ((x^5 - 4 x^4 + 13 x^3 - 9 x^2 + 5 x - 1) (x - 1)^3)$$

Sequence: A274868
Score: 14.8437
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(2x-1)(x+1)(2x^2-1)}$$

Sequence: A274868
Score: 8.02770
Type of gen. func.: lgdogf

$$-\frac{-20x^4+8x^3+18x^2-6x-2}{-4x^5+2x^4+6x^3-3x^2-2x+1}$$

Sequence: A274869
Score: 9.62703
Type of gen. func.: ogf

$$\frac{1}{(x-1)(2x-1)(x+1)(6x^2-1)(2x^2-1)}$$

Sequence: A274870
Score: 7.61339
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(3x-1)(2x+1)(2x-1)(x+1)(6x^2-1)(2x^2-1)}$$

Sequence: A274871
Score: 5.63928
Type of gen. func.: ogf

$$1/((x-1)(3x-1)(2x+1)(2x-1)(x+1)(12x^2-1)(6x^2-1)(2x^2-1))$$

Sequence: A274890
Score: 4.78389

Type of gen. func.: ogf

$$\frac{4 x^{9} - x^{8} - 18 x^{7} + 8 x^{6} + 30 x^{5} - 6 x^{4} - 26 x^{3} - 4 x^{2} + 10 x + 2}{(x - 1) (x + 1) (x^{6} - 3 x^{4} + x^{3} + 3 x^{2} + x - 1)}$$

Sequence: A274896
Score: 6.36105
Type of gen. func.: ogf

$$\frac{x^{5} - 8 x^{4} + 20 x^{3} - 22 x^{2} + 16 x - 6}{(x - 1) (x^{4} - 5 x^{3} + 5 x^{2} - 4 x + 1)}$$

Sequence: A274897
Score: 3.92023
Type of gen. func.: ogf

$$\frac{4 x^{8} - 30 x^{7} + 126 x^{6} - 301 x^{5} + 425 x^{4} - 367 x^{3} + 200 x^{2} - 70 x + 12}{(x^{5} - 4 x^{4} + 13 x^{3} - 9 x^{2} + 5 x - 1) (x - 1)^{3}}$$

Sequence: A274922
Score: 12.6486
Type of gen. func.: lgdogf

$$- \frac{-x + 1}{x^{3} + 2 x^{2} + 2 x + 1}$$

Sequence: A274922
Score: 13.3645
Type of gen. func.: ogf

$$\frac{x^{2} + x + 1}{(x + 1)^{2}}$$

Sequence: A274922
Score: 28.2166
Type of gen. func.: ogf_with_Euler_transform]

$$-(x - 1)^2$$

Sequence: A274922
Score: 6.94432
Type of gen. func.: ogf

$$\{a(n + 3) + 2 a(n + 2) + a(n + 1), a(0) = 1, a(1) = -1, a(2) = 2\}$$

Sequence: A274922
Score: 9.97636
Type of gen. func.: ogf

$$-f(x) x^2 - 2 f(x) x + x^2 - f(x) + x + 1$$

Sequence: A274946
Score: 10.0558
Type of gen. func.: ogf

$$\frac{x (5 x^4 + 6 x^3 + 8 x^2 + 6 x + 5)}{x^6 - x^5 - x^3 - x + 1}$$

Sequence: A274952
Score: 8.37191
Type of gen. func.: ogf

$$- \frac{x^5 - x^4 + x^3 - x^2 + x + 4}{x^6 - x^5 + x^4 - x^3 + x^2 + 3 x - 1}$$

Sequence: A274954
Score: 4.46484
Type of gen. func.: ogf

$$(1223 f(x) + 4437)$$

$$(f(x) x^4 + 4 f(x) x^3 + 3 x^4 + 12 x^3 + 4 f(x) x - 6 x^2 - f(x) + 12 x + 3)$$

Sequence: A274954
Score: 7.62978
Type of gen. func.: ogf

$$- \frac{3 (x^4 + 4 x^3 - 2 x^2 + 4 x + 1)}{(x^2 + 1) (x^2 + 4 x - 1)}$$

Sequence: A274968
Score: 3.96071
Type of gen. func.: ogf

$$2 (x + 1) (3 x^{14} - 2 x^{13} + 3 x^{12} + 3 x^{10} + 3 x^8 + 3 x^6 + 3 x^4 + 3 x^2 + 2) / ((x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A274969
Score: 5.55202
Type of gen. func.: ogf

$$27 f(x)^3 x^3 - 4 f(x)^3 x^2 + 27 f(x)^2 x^2 - 4 f(x)^2 x - 96 f(x) x^2 + 21 f(x) x + 64 x^2 - f(x) - 16 x + 1$$

Sequence: A274970
Score: 2.22392
Type of gen. func.: egf]

$$-(2 f(x) x + f(x) - 3 x - 1) (f(x) x - f(x) + 1)^2$$

Sequence: A274972
Score: 3.75238
Type of gen. func.: ogf

$$-(3740843783876400 f(x) + 15342977768933)$$

$$(f(x) x^3 - 975 f(x) x^2 + 975 f(x) x - 5 x^2 - f(x) + 487 x + 4)$$

Sequence: A274972
Score: 4.47284
Type of gen. func.: ogf

$$\{-a(n + 3) + 975 a(n + 2) - 975 a(n + 1) + a(n), a(0) = 4, a(1) = 4387,$$

$$a(2) = 4273420\}$$

Sequence: A274972
Score: 8.34485
Type of gen. func.: ogf

$$\frac{5 x^2 - 487 x - 4}{(x - 1) (x^2 - 974 x + 1)}$$

Sequence: A274973
Score: 10.5397
Type of gen. func.: ogf

$$-\frac{7 x^3 - 9 x^2 - 9 x - 1}{(x - 1)^4}$$

Sequence: A274973
Score: 10.8207
Type of gen. func.: lgdogf

$$-\frac{-7 x^3 - 3 x^2 + 45 x + 13}{-7 x^4 + 16 x^3 - 8 x - 1}$$

Sequence: A274973
Score: 4.29394
Type of gen. func.: ogf

$$\{(37 n^2 + 346 n + 544) a(n + 1) + (-2 n^2 + 86 n + 713) a(n + 2)$$

$$+ (-35 n^2 - 216 n - 333) a(n + 3), a(0) = 1, a(1) = 13, a(2) = 55\}$$

Sequence: A274973
Score: 5.59692
Type of gen. func.: ogf

$$(9616 f(x) + 409565)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 7 x^3 - 4 f(x) x - 9 x^2 + f(x) - 9 x - 1)$$

Sequence: A274974
Score: 10.5620
Type of gen. func.: ogf

$$- \frac{(x + 1) (5 x^2 - 8 x - 1)}{(x - 1)^4}$$

Sequence: A274974
Score: 4.30303
Type of gen. func.: ogf

$$\{(n^2 + 55 n + 106) a(n + 1) + (22 n^2 + 148 n + 416) a(n + 2)$$

$$+ (-23 n^2 - 131 n - 186) a(n + 3), a(0) = 1, a(1) = 13, a(2) = 49\}$$

Sequence: A274974
Score: 5.68722
Type of gen. func.: ogf

$$(605 f(x) + 32816)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 5 x^3 - 4 f(x) x - 3 x^2 + f(x) - 9 x - 1)$$

Sequence: A274974

Score: 9.91795
Type of gen. func.: lgdogf

$$-\frac{-5x^3 - 9x^2 + 33x + 13}{-5x^4 + 8x^3 + 6x^2 - 8x - 1}$$

Sequence: A274975
Score: 13.6994
Type of gen. func.: ogf

$$-\frac{x^2 + 4x - 3}{x^3 - x^2 - 2x + 1}$$

Sequence: A274975
Score: 7.26665
Type of gen. func.: ogf

$$-(f(x) - 1)\,(f(x)\,x^3 - f(x)\,x^2 - 2\,f(x)\,x + x^2 + f(x) + 4x - 3)$$

Sequence: A274975
Score: 7.46130
Type of gen. func.: ogf

$$\{a(n + 3) - 2\,a(n + 2) - a(n + 1) + a(n),\ a(0) = 3,\ a(1) = 2,\ a(2) = 6\}$$

Sequence: A274975
Score: 8.52720
Type of gen. func.: lgdogf

$$-\frac{x^4 + 8x^3 - 11x^2 + 4x + 2}{x^5 + 3x^4 - 9x^3 - 4x^2 + 10x - 3}$$

Sequence: A274977
Score: 10.1859
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - 3 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A274977
Score: 12.6552
Type of gen. func.: lgdogf

$$-\frac{-15 x^2 - 6 x - 6}{-15 x^3 - 8 x^2 + 4 x + 1}$$

Sequence: A274977
Score: 18.5610
Type of gen. func.: ogf

$$-\frac{5 x + 1}{3 x^2 + x - 1}$$

Sequence: A274977
Score: 9.82638
Type of gen. func.: ogf

$$(f(x) - 1) (3 f(x) x^2 + f(x) x - f(x) + 5 x + 1)$$

Sequence: A274978
Score: 10.9864
Type of gen. func.: ogf

$$-\frac{x (x^2 + 12 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A274978
Score: 11.6998
Type of gen. func.: lgdogf

$$-\frac{-3 x^3 - 49 x^2 - 19 x - 13}{}$$

$$-x^4 - 12 x^3 + 12 x + 1$$

Sequence: A274979
Score: 10.5434
Type of gen. func.: ogf

$$- \frac{x (x^2 + 14 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A274979
Score: 11.2280
Type of gen. func.: lgdogf

$$- \frac{-3 x^3 - 57 x^2 - 21 x - 15}{-x^4 - 14 x^3 + 14 x + 1}$$

Sequence: A274981
Score: 10.3528
Type of gen. func.: ogf

$$\{a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A274981
Score: 18.4872
Type of gen. func.: lgdogf

$$- \frac{4}{-4 x - 1}$$

Sequence: A274981
Score: 19.1719
Type of gen. func.: ogf

$$1 + 4 x - f(x)$$

Sequence: A274998
Score: 19.1596
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-5x-1}{-x^3+3x^2-3x+1}$$

Sequence: A275009
Score: 9.29758
Type of gen. func.: ogf

$$-\frac{x^6+2x^5-2x^4-3x^3+2x^2+2x+2}{(x-1)^3(x^2+x+1)^3}$$

Sequence: A275016
Score: 10.3966
Type of gen. func.: lgdogf

$$-\frac{16x^3-6x^2-4x-1}{4x^4-2x^3-2x^2-x+1}$$

Sequence: A275016
Score: 15.8892
Type of gen. func.: ogf

$$\frac{5x^3}{(2x-1)(x-1)(2x^2+2x+1)}$$

Sequence: A275016
Score: 8.50633
Type of gen. func.: ogf

$$-4f(x)x^4+2f(x)x^3+2f(x)x^2+5x^3+f(x)x-f(x)$$

Sequence: A275038
Score: 3.77123
Type of gen. func.: ogf

$$-\frac{x^9+8x^8+10x^7-10x^6-12x^5-7x^4-23x^3+2x^2-9x-3}{x^9+3x^8-x^7-8x^6-3x^5-x^4-4x^3+2x^2-3x+1}$$

Sequence: A275047
Score: 3.71570
Type of gen. func.: ogf

$$\{(-729n^4-4374n^3-9801n^2-9720n-3600)a(n+1)$$
$$+(4n^4+30n^3+84n^2+104n+48)a(n+2), a(0)=1, a(1)=18\}$$

Sequence: A275051
Score: 3.73846
Type of gen. func.: ogf

$$\{(2187n^3+8991n^2+12204n+5460)a(n+1)$$
$$+(-3n^3-16n^2-28n-16)a(n+2), a(0)=1, a(1)=60\}$$

Sequence: A275052
Score: 4.27492
Type of gen. func.: ogf

$$\{(-4802n^3-19208n^2-25382n-11088)a(n+1)$$
$$+(2n^3+11n^2+20n+12)a(n+2), a(0)=1, a(1)=112\}$$

Sequence: A275053
Score: 4.32944
Type of gen. func.: ogf

$$\{(-2187n^3-8991n^2-12042n-5280)a(n+1)$$
$$+(3n^3+17n^2+32n+20)a(n+2), a(0)=1, a(1)=21\}$$

Sequence: A275054
Score: 4.34669
Type of gen. func.: ogf

$$\{(-2187 n^3 - 9234 n^2 - 12609 n - 5610) a(n + 1) + (3 n^3 + 17 n^2 + 32 n + 20) a(n + 2), a(0) = 1, a(1) = 24\}$$

Sequence: A275060
Score: 11.3143
Type of gen. func.: ogf

$$-\frac{x - 1}{x^2 - 974 x + 1}$$

Sequence: A275060
Score: 5.42622
Type of gen. func.: ogf

$$-(947700 f(x) - 971) (f(x) x^2 - 974 f(x) x + f(x) + x - 1)$$

Sequence: A275060
Score: 6.18338
Type of gen. func.: ogf

$$\{a(n + 2) - 974 a(n + 1) + a(n), a(0) = 1, a(1) = 973\}$$

Sequence: A275100
Score: 10.4048
Type of gen. func.: ogf

$$-\frac{21 x^3 - 7 x^2 - 5 x + 1}{(x - 1) (6 x - 1) (3 x - 1)}$$

Sequence: A275100
Score: 5.54419
Type of gen. func.: ogf

$$\{-a(n + 4) + 10\, a(n + 3) - 27\, a(n + 2) + 18\, a(n + 1),\ a(0) = 1,\ a(1) = 5,$$
$$a(2) = 16,\ a(3) = 64\}$$

Sequence: A275100
Score: 5.71094
Type of gen. func.: ogf

$$-(1425\, f(x) + 5551)$$
$$(18\, f(x)\, x^3 - 27\, f(x)\, x^2 + 21\, x^3 + 10\, f(x)\, x - 7\, x^2 - f(x) - 5\, x + 1)$$

Sequence: A275101
Score: 5.01298
Type of gen. func.: ogf

$$- \frac{14112\, x^5 - 12240\, x^4 + 1810\, x^3 + 144\, x^2 - 32\, x + 1}{(x - 1)\,(6\, x - 1)\,(24\, x - 1)\,(12\, x - 1)\,(4\, x - 1)}$$

Sequence: A275112
Score: 8.40898
Type of gen. func.: ogf

$$- \frac{x\,(x^2 + x + 1)\,(3\, x^3 + x^2 + 2\, x + 1)}{(x + 1)^2\,(x^2 + 1)\,(x - 1)^5}$$

Sequence: A275126
Score: 3.79712
Type of gen. func.: ogf

$$- \frac{x^9 + 5\, x^8 + 10\, x^7 + 4\, x^6 - 11\, x^5 - 7\, x^4 - 6\, x^3 - 7\, x^2 - x - 5}{x^9 + 3\, x^8 - x^7 - 8\, x^6 - 3\, x^5 - x^4 - 4\, x^3 + 2\, x^2 - 3\, x + 1}$$

Sequence: A275132
Score: 6.70223
Type of gen. func.: ogf

$$-\frac{4x^5+5x^4-3x^3-5x^2-6x-2}{(2x^2+x+1)(2x^3-4x+1)}$$

Sequence: A275133
Score: 3.26813
Type of gen. func.: ogf

$$(48x^{10}-104x^9+39x^8+113x^7-201x^6-159x^5+9x^4+63x^3+61x^2+32x+4) \Big/ (18x^9-15x^8+4x^7+48x^6-7x^5-36x^4-22x^3-8x^2-x+1)$$

Sequence: A275138
Score: 10.9603
Type of gen. func.: ogf

$$-\frac{4(4x^2+8x+1)}{4x^2+4x-1}$$

Sequence: A275138
Score: 5.74110
Type of gen. func.: ogf

$$\{a(n+3)-4a(n+2)-4a(n+1), a(0)=4, a(1)=48, a(2)=224\}$$

Sequence: A275138
Score: 5.90996
Type of gen. func.: ogf

$$-(29f(x)+208)(4f(x)x^2+4f(x)x+16x^2-f(x)+32x+4)$$

Sequence: A275138
Score: 7.72840
Type of gen. func.: lgdogf

$$-\frac{-16 x^2 - 16 x - 12}{-16 x^4 - 48 x^3 - 32 x^2 + 4 x + 1}$$

Sequence: A275139
Score: 4.31489
Type of gen. func.: ogf

{-a(n + 4) + 3 a(n + 3) + 5 a(n + 2) + a(n + 1), a(0) = 8, a(1) = 144,

a(2) = 528, a(3) = 2320}

Sequence: A275139
Score: 4.61362
Type of gen. func.: ogf

-(287 f(x) + 296)

$$(f(x) x^3 + 5 f(x) x^2 + 8 x^3 + 3 f(x) x + 56 x^2 - f(x) + 120 x + 8)$$

Sequence: A275139
Score: 8.33014
Type of gen. func.: ogf

$$-\frac{8 (x^3 + 7 x^2 + 15 x + 1)}{(x + 1) (x^2 + 4 x - 1)}$$

Sequence: A275140
Score: 5.68058
Type of gen. func.: ogf

$$\frac{16 (40 x^5 - 52 x^4 - 98 x^3 - 15 x^2 + 24 x + 1)}{4 x^4 - 4 x^3 - 10 x^2 - 3 x + 1}$$

Sequence: A275141
Score: 4.46060
Type of gen. func.: ogf

$$\frac{16\,(144 x^6 + 1172 x^5 - 647 x^4 - 891 x^3 - 103 x^2 + 75 x + 2)}{4 x^5 + 23 x^4 - 11 x^3 - 18 x^2 - 3 x + 1}$$

Sequence: A275143
Score: 4.65963
Type of gen. func.: ogf

$$-(19454 f(x) + 1182749)$$

$$(f(x) x^3 - 20 x^4 - 2 f(x) x^2 + 51 x^3 + 3 f(x) x - 18 x^2 - f(x) + 21 x + 5)$$

Sequence: A275143
Score: 8.34132
Type of gen. func.: ogf

$$\frac{20 x^4 - 51 x^3 + 18 x^2 - 21 x - 5}{x^3 - 2 x^2 + 3 x - 1}$$

Sequence: A275144
Score: 4.34550
Type of gen. func.: ogf

$$2\,(128 x^8 - 768 x^7 + 1132 x^6 - 969 x^5 + 798 x^4 - 446 x^3 + 277 x^2 - 73 x - 7) \bigg/ ((x - 1)(x^4 - 5 x^3 + 5 x^2 - 4 x + 1))$$

Sequence: A275151
Score: 13.5323
Type of gen. func.: ogf

$$-\frac{9 x^2 - 31 x + 8}{2}$$

$$(x - 1) (x - 6 x + 1)$$

Sequence: A275151
Score: 6.8771
Type of gen. func.: ogf

$$(289656 f(x) + 184145)$$

$$(f(x) x^3 - 7 f(x) x^2 + 7 f(x) x + 9 x^2 - f(x) - 31 x + 8)$$

Sequence: A275151
Score: 7.29570
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) - 7 a(n + 1) + a(n), a(0) = 8, a(1) = 25, a(2) = 128\}$$

Sequence: A275151
Score: 7.84117
Type of gen. func.: lgdogf

$$- \frac{-9 x^4 + 62 x^3 - 178 x^2 + 94 x - 25}{-9 x^5 + 94 x^4 - 288 x^3 + 282 x^2 - 87 x + 8}$$

Sequence: A275155
Score: 11.3982
Type of gen. func.: ogf

$$- \frac{2 (8 x^2 - 31 x + 9)}{(x - 1) (x^2 - 6 x + 1)}$$

Sequence: A275155
Score: 5.88295
Type of gen. func.: ogf

$$(256268 f(x) + 365871)$$

$$(f(x) x^3 - 7 f(x) x^2 + 7 f(x) x + 16 x^2 - f(x) - 62 x + 18)$$

Sequence: A275155
Score: 6.28866
Type of gen. func.: ogf

$\{-a(n + 3) + 7 a(n + 2) - 7 a(n + 1) + a(n), a(0) = 18, a(1) = 64, a(2) = 338\}$

Sequence: A275155
Score: 6.75449
Type of gen. func.: lgdogf

$$-\frac{-8 x^4 + 62 x^3 - 188 x^2 + 110 x - 32}{-8 x^5 + 87 x^4 - 282 x^3 + 288 x^2 - 94 x + 9}$$

Sequence: A275163
Score: 10.8444
Type of gen. func.: lgdogf

$$-\frac{24 x^2 + 28 x - 33}{24 x^3 - 22 x^2 - 9 x + 7}$$

Sequence: A275163
Score: 16.2666
Type of gen. func.: ogf

$$\frac{12 x + 7}{(2 x - 1) (x - 1)}$$

Sequence: A275163
Score: 8.40745
Type of gen. func.: ogf

$$(71 f(x) + 592) (2 f(x) x^2 - 3 f(x) x + f(x) - 12 x - 7)$$

Sequence: A275163

Score: 9.01523
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 7, a(1) = 33\}$$

Sequence: A275173
Score: 4.69878
Type of gen. func.: ogf

$$-(2 x^{14} + 3 x^{13} + 4 x^{12} + 6 x^{11} + 9 x^{10} - 10 x^{9} - 12 x^{8} - 13 x^{7} - 14 x^{6} - 15 x^{5} + x^{4} + x^{3} + x^{2} + x + 1) / ((x - 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{10} - 15 x^{5} + 1))$$

Sequence: A275175
Score: 5.10608
Type of gen. func.: ogf

$$-(3 x^{14} + 5 x^{13} + 7 x^{12} + 13 x^{11} + 23 x^{10} - 22 x^{9} - 28 x^{8} - 30 x^{7} - 32 x^{6} - 34 x^{5} + x^{4} + x^{3} + x^{2} + x + 1) / ((x - 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{10} - 34 x^{5} + 1))$$

Sequence: A275176
Score: 4.52973
Type of gen. func.: ogf

$$-(4 x^{14} + 7 x^{13} + 10 x^{12} + 22 x^{11} + 43 x^{10} - 38 x^{9} - 50 x^{8} - 53 x^{7} - 56 x^{6} - 59 x^{5} + x^{4} + x^{3} + x^{2} + x + 1) / ((x - 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{10} - 59 x^{5} + 1))$$

Sequence: A275178
Score: 5.52798
Type of gen. func.: ogf

$$\frac{5 x^{7} + 11 x^{6} - 17 x^{5} - 4 x^{4} + 12 x^{3} - 9 x^{2} - 4 x + 5}{(x - 1) (x^{4} + 2 x^{3} - 3 x^{2} + 3 x - 1)}$$

Sequence: A275184
Score: 4.67360
Type of gen. func.: ogf

$\{a(n + 4) - 2 a(n + 3) - 4 a(n + 2) - 3 a(n + 1), a(0) = 4, a(1) = 12,$

$a(2) = 41, a(3) = 141\}$

Sequence: A275184
Score: 5.16757
Type of gen. func.: ogf

$$(-19 + 1773 f(x)) (3 f(x) x^{3} + 4 f(x) x^{2} - x^{3} + 2 f(x) x + x^{2} - f(x) + 4 x + 4)$$

Sequence: A275184
Score: 9.21174
Type of gen. func.: ogf

$$\frac{x^{3} - x^{2} - 4 x - 4}{3 x^{3} + 4 x^{2} + 2 x - 1}$$

Sequence: A275185
Score: 3.97127
Type of gen. func.: ogf

$\{a(n + 5) - 2 a(n + 4) - 7 a(n + 3) - 8 a(n + 2), a(0) = 8, a(1) = 21,$

$a(2) = 85, a(3) = 353, a(4) = 1465\}$

Sequence: A275185
Score: 4.50874
Type of gen. func.: ogf

$(264 f(x) - 653)$

$$(8 f(x) x^{3} - 4 x^{4} + 7 f(x) x^{2} - 28 x^{3} + 2 f(x) x - 13 x^{2} - f(x) + 5 x + 8)$$

Sequence: A275185
Score: 7.59066
Type of gen. func.: ogf

$$\frac{4 x^{4} + 28 x^{3} + 13 x^{2} - 5 x - 8}{8 x^{3} + 7 x^{2} + 2 x - 1}$$

Sequence: A275186
Score: 4.74379
Type of gen. func.: ogf

$$\frac{112 x^{6} + 40 x^{5} - 36 x^{4} - 196 x^{3} - 85 x^{2} + 5 x + 16}{(x - 1) (16 x^{5} + 28 x^{4} + 32 x^{3} + 13 x^{2} + x - 1)}$$

Sequence: A275195
Score: 12.1312
Type of gen. func.: ogf

$$\frac{(7 x + 3) (7 x - 1)}{49 x^{3} + 49 x^{2} + 7 x - 1}$$

Sequence: A275195
Score: 6.51679
Type of gen. func.: ogf

$$-(11 f(x) + 23) (49 f(x) x^{3} + 49 f(x) x^{2} + 7 f(x) x - 49 x^{2} - f(x) - 14 x + 3)$$

Sequence: A275195
Score: 6.79768
Type of gen. func.: ogf

$\{a(n + 3) - 7 a(n + 2) - 49 a(n + 1) - 49 a(n), a(0) = 3, a(1) = 7, a(2) = 147\}$

Sequence: A275195
Score: 6.85679
Type of gen. func.: lgdogf

$$-\frac{-2401 x^4 - 1372 x^3 + 98 x^2 + 196 x + 7}{-2401 x^5 - 3087 x^4 - 882 x^3 + 98 x^2 + 35 x - 3}$$

Sequence: A275222
Score: 9.87126
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1) (x^3 + x^2 + 2 x - 2)}{(x - 1) (x^4 - x^3 - x^2 - 2 x + 1)}$$

Sequence: A275229
Score: 13.3959
Type of gen. func.: ogf

$$-\frac{3 x - 2}{8 x^2 - 7 x + 1}$$

Sequence: A275229
Score: 6.62435
Type of gen. func.: ogf

$$-(45 f(x) + 31) (8 f(x) x^2 - 7 f(x) x + f(x) + 3 x - 2)$$

Sequence: A275229
Score: 7.26283
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) + 8 a(n), a(0) = 2, a(1) = 11\}$$

Sequence: A275229

Score: 8.61164
Type of gen. func.: lgdogf

$$-\frac{-24 x^{2} + 32 x - 11}{-24 x^{3} + 37 x^{2} - 17 x + 2}$$

Sequence: A275230
Score: 5.18646
Type of gen. func.: ogf

$$\frac{2 (x^{5} - 9 x^{4} + 17 x^{3} - 3 x^{2} - 11 x + 4)}{(x - 1) (6 x^{4} - 14 x^{3} + x^{2} + 10 x - 1)}$$

Sequence: A275231
Score: 2.75752
Type of gen. func.: ogf

$$-(-666858099885 + 76926715124 f(x)) (44 f(x) x^{4} - 101 f(x) x^{3} - 154 x^{4}$$
$$+ 75 f(x) x^{2} + 436 x^{3} - 19 f(x) x - 404 x^{2} + f(x) + 142 x - 16)$$

Sequence: A275231
Score: 5.12509
Type of gen. func.: ogf

$$\frac{2 (77 x^{4} - 218 x^{3} + 202 x^{2} - 71 x + 8)}{(x - 1) (44 x^{3} - 57 x^{2} + 18 x - 1)}$$

Sequence: A275238
Score: 11.2196
Type of gen. func.: ogf

$$-\frac{810 x^{12} - 90 x^{11} - 900 x^{10} - 12 x^{2} - 9 x - 1}{(x + 1) (x - 1)^{2}}$$

Sequence: A275260
Score: 4.05226
Type of gen. func.: ogf

$$-\frac{8x^9-16x^7+4x^6+2x^5-6x^4+2x^3+8x^2-x-2}{8x^9-8x^8-12x^7+16x^6-4x^5-6x^4+6x^3+2x^2-4x+1}$$

Sequence: A275267
Score: 4.48900
Type of gen. func.: ogf

$\{a(n+4)-6a(n+3)+2a(n+2)+6a(n+1), a(0)=5, a(1)=24,$

$a(2)=128, a(3)=688\}$

Sequence: A275267
Score: 5.04093
Type of gen. func.: ogf

$(83 f(x) - 114)$

$(6 f(x) x^3 + 2 f(x) x^2 + 2 x^3 - 6 f(x) x + 6 x^2 + f(x) + 6 x - 5)$

Sequence: A275267
Score: 8.91294
Type of gen. func.: ogf

$$-\frac{2x^3+6x^2+6x-5}{6x^3+2x^2-6x+1}$$

Sequence: A275268
Score: 4.46340
Type of gen. func.: ogf

$$\frac{2(16x^6-44x^5+8x^4+15x^3+9x^2+24x-7)}{16x^6-12x^5-8x^4-9x^3-7x^2+8x-1}$$

Sequence: A275277
Score: 10.3490
Type of gen. func.: ogf

$$\frac{6 x^{3} + 3 x^{2} - 1}{x^{4} + 3 x^{3} + 3 x^{2} + x - 1}$$

Sequence: A275277
Score: 5.85641
Type of gen. func.: ogf

$$-f(x) \, (f(x) \, x^{4} + 3 f(x) \, x^{3} + 3 f(x) \, x^{2} - 6 x^{3} + f(x) \, x - 3 x^{2} - f(x) + 1)$$

Sequence: A275286
Score: 3.00750
Type of gen. func.: egf]

$$\{(-16 n^{4} - 160 n^{3} - 600 n^{2} - 1000 n - 625) a(n + 1)$$

$$+ (-8 n^{2} - 40 n - 48) a(n + 2) + (n^{2} + 5 n + 6) a(n + 3), a(0) = 1,$$

$$a(1) = 8, a(2) = 209/2\}$$

Sequence: A275346
Score: 10.6555
Type of gen. func.: ogf

$$\frac{x^{5} + x^{4} - x - 2}{(x - 1) (x + 1)}$$

Sequence: A275359
Score: 5.52695
Type of gen. func.: ogf

$$- \frac{x^{2} (4 x^{5} + 128 x^{4} + 99 x^{3} - 37 x^{2} + 145 x + 21)}{7}$$

(x - 1)

Sequence: A275363
Score: 10.5563
Type of gen. func.: ogf

$$-\frac{3 (x + 1) (x^3 - x - 1)}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A275365
Score: 10.9395
Type of gen. func.: lgdogf

$$-\frac{x^4 - 4 x - 1}{x^5 - 2 x^3 - x^2 + x + 1}$$

Sequence: A275365
Score: 12.9122
Type of gen. func.: ogf

$$-\frac{2 x (x^3 - x - 1)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A275365
Score: 7.79845
Type of gen. func.: ogf

$$-(f(x) + 9) (f(x) x^4 + 2 x^4 - 2 f(x) x^2 - 2 x^2 + f(x) - 2 x)$$

Sequence: A275372
Score: 8.13048
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4 x^7 - x^6 - 7 x^5 - x^4 - 2 x^3 - x^2 - 7 x - 1}{}$$

$$x^8 - 1$$

Sequence: A275395
Score: 4.31819
Type of gen. func.: ogf

$$-\frac{2 x^9 - 2 x^8 + 4 x^7 - 14 x^6 + 3 x^5 + 10 x^4 - 4 x^3 - 4 x^2 + 5 x + 2}{x^9 - 2 x^8 + x^7 - 3 x^6 + 4 x^5 + x^4 - 3 x^3 + x^2 + 2 x - 1}$$

Sequence: A275402
Score: 5.18893
Type of gen. func.: ogf

$$-(5 f(x) - 3) (4 f(x) x^3 + 6 f(x) x^2 + 4 f(x) x + 2 x^2 - f(x) + 4 x + 3)$$

Sequence: A275402
Score: 5.23444
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) + 6 a(n + 1) + 4 a(n), a(0) = 3, a(1) = 16, a(2) = 84\}$$

Sequence: A275402
Score: 9.78239
Type of gen. func.: ogf

$$-\frac{2 x^2 + 4 x + 3}{4 x^3 + 6 x^2 + 4 x - 1}$$

Sequence: A275403
Score: 5.35348
Type of gen. func.: ogf

$$\frac{8 x^5 - 20 x^4 - 14 x^3 + 19 x^2 + 13 x + 6}{24 x^5 - 2 x^4 - 25 x^3 - 11 x^2 - 3 x + 1}$$

Sequence: A275424
Score: 16.5030
Type of gen. func.: lgdegf]

$$1 + x + 1/2\, x^{2} + 1/120\, x^{5}$$

Sequence: A275434
Score: 10.391
Type of gen. func.: ogf

$$4 f(x)\, x^{3} + 2 x^{4} - 2 x^{3} - 3 f(x)\, x + f(x)$$

Sequence: A275434
Score: 11.5276
Type of gen. func.: lgdogf

$$- \frac{4 x^{2} - 4 x - 2}{2 x^{3} - x^{2} - 2 x + 1}$$

Sequence: A275434
Score: 13.9201
Type of gen. func.: ogf

$$- \frac{2 x^{3} (x - 1)}{(x + 1) (2 x - 1)^{2}}$$

Sequence: A275434
Score: 5.99808
Type of gen. func.: ogf

{a(n + 5) - 3 a(n + 4) + 4 a(n + 2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 2,

a(4) = 4}

Sequence: A275436
Score: 10.1762
Type of gen. func.: ogf

$$-\frac{2x^2}{(x^2+1)(x^2-x-1)(x^2+x-1)}$$

Sequence: A275436
Score: 8.51707
Type of gen. func.: lgdogf

$$-\frac{-8x^5+x^4+9x^3+2x^2+7x+1}{-x^6+2x^4+2x^2-1}$$

Sequence: A275439
Score: 10.3384
Type of gen. func.: lgdogf

$$-\frac{6x^3+9x^2+5x+1}{x^4+2x^3+x^2-1}$$

Sequence: A275439
Score: 11.3872
Type of gen. func.: ogf

$$\frac{2x^3}{(x^2+x+1)(x^2+x-1)}$$

Sequence: A275441
Score: 8.35134
Type of gen. func.: ogf

$$\frac{2x^4(x-1)(x+1)}{(x^2+1)(x^2-x-1)(x^2+x-1)}$$

Sequence: A275443
Score: 10.2151
Type of gen. func.: lgdogf

$$-\frac{-6x^4+6x^3+2}{-x^5+x^4-x^3+2x-1}$$

Sequence: A275443
Score: 9.13351
Type of gen. func.: ogf

$$-\frac{2(x-1)x^4}{(x+1)(x^3-x^2+2x-1)^2}$$

Sequence: A275445
Score: 7.66418
Type of gen. func.: lgdogf

$$-\frac{-7x^7-19x^6-34x^5-38x^4-31x^3-17x^2-8x-2}{-x^8-3x^7-6x^6-7x^5-6x^4-3x^3+x+1}$$

Sequence: A275445
Score: 9.91422
Type of gen. func.: ogf

$$\frac{2x^3(x^2+x+1)}{(x^2+1)(x+1)(x^3+x^2+x-1)^2}$$

Sequence: A275447
Score: 6.86037
Type of gen. func.: ogf

$$2x^3(x-1)(x+1)$$

$$- \frac{}{(x^2 + 1) (x^4 - 2 x^2 - x + 1)^2}$$

Sequence: A275447
Score: 7.18706
Type of gen. func.: lgdogf

$$- \frac{-8 x^7 + 12 x^5 + 2 x^4 - 4 x^2 - 4 x - 2}{-x^8 + 2 x^6 + x^5 - 2 x^2 - x + 1}$$

Sequence: A275448
Score: 7.5266
Type of gen. func.: ogf

$$-f(x)^2 x^4 + f(x)^2 x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) - x + 1$$

Sequence: A275452
Score: 3.78875
Type of gen. func.: ogf

$$\{(2187 n^3 + 9477 n^2 + 13446 n + 6240) a(n + 1)$$

$$+ (-3 n^3 - 16 n^2 - 28 n - 16) a(n + 2), a(0) = 1, a(1) = 84\}$$

Sequence: A275453
Score: 4.41568
Type of gen. func.: ogf

$$\{(-2187 n^3 - 9477 n^2 - 13446 n - 6240) a(n + 1)$$

$$+ (3 n^3 + 17 n^2 + 32 n + 20) a(n + 2), a(0) = 1, a(1) = 42\}$$

Sequence: A275454
Score: 4.45018
Type of gen. func.: ogf

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          3          2
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$\{(-2187 n - 9720 n - 14067 n - 6630) a(n + 1)$

$+ (3 n^3 + 17 n^2 + 32 n + 20) a(n + 2), a(0) = 1, a(1) = 48\}$

Sequence: A275455
Score: 4.59265
Type of gen. func.: ogf

$\{(-2187 n^3 - 9963 n^2 - 14796 n - 7140) a(n + 1)$

$+ (3 n^3 + 16 n^2 + 28 n + 16) a(n + 2), a(0) = 1, a(1) = 120\}$

Sequence: A275456
Score: 4.61410
Type of gen. func.: ogf

$\{(-2187 n^3 - 10449 n^2 - 16254 n - 8160) a(n + 1)$

$+ (3 n^3 + 16 n^2 + 28 n + 16) a(n + 2), a(0) = 1, a(1) = 168\}$

Sequence: A275457
Score: 4.55838
Type of gen. func.: ogf

$\{(2187 n^3 + 9234 n^2 + 12933 n + 6006) a(n + 1)$

$+ (-3 n^3 - 16 n^2 - 28 n - 16) a(n + 2), a(0) = 1, a(1) = 120\}$

Sequence: A275458
Score: 4.59707
Type of gen. func.: ogf

$\{(-2187 n^3 - 10449 n^2 - 16578 n - 8736) a(n + 1)$

$+ (3 n^3 + 17 n^2 + 32 n + 20) a(n + 2), a(0) = 1, a(1) = 210\}$

Sequence: A275459
Score: 4.63112

Type of gen. func.: ogf

$$\{(-2187 n^3 - 10692 n^2 - 17307 n - 9282) a(n + 1) + (3 n^3 + 17 n^2 + 32 n + 20) a(n + 2), a(0) = 1, a(1) = 240\}$$

Sequence: A275460
Score: 4.59265
Type of gen. func.: ogf

$$\{(2187 n^3 + 9720 n^2 + 14229 n + 6864) a(n + 1) + (-3 n^3 - 16 n^2 - 28 n - 16) a(n + 2), a(0) = 1, a(1) = 168\}$$

Sequence: A275461
Score: 4.54124
Type of gen. func.: ogf

$$\{(-2187 n^3 - 9963 n^2 - 14958 n - 7392) a(n + 1) + (3 n^3 + 17 n^2 + 32 n + 20) a(n + 2), a(0) = 1, a(1) = 105\}$$

Sequence: A275496
Score: 5.82024
Type of gen. func.: ogf

$$- \frac{x (x^6 + 34 x^5 + 79 x^4 + 156 x^3 + 79 x^2 + 34 x + 1)}{(x + 1)^3 (x - 1)^5}$$

Sequence: A275498
Score: 8.56241
Type of gen. func.: ogf

$$\frac{x^5 - 2 x^4 - 6 x^3 + 3 x^2 + 7 x + 2}{x^4 - 2 x^2 - x + 1}$$

Sequence: A275499
Score: 4.03784
Type of gen. func.: ogf

$$(36 x^{10} - 4 x^9 - 106 x^8 + 11 x^7 + 97 x^6 + 141 x^5 - 72 x^4 - 122 x^3 - 38 x^2 + 44 x + 5) \Big/ ((x - 1) (x^6 - 3 x^4 + x^3 + 3 x^2 + x - 1))$$

Sequence: A275505
Score: 4.861
Type of gen. func.: ogf

$$(2529 f(x) - 2524) (f(x) x^3 + 5 f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) + 20 x + 12)$$

Sequence: A275505
Score: 4.98672
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 5 a(n + 1) - a(n), a(0) = 12, a(1) = 56, a(2) = 232\}$$

Sequence: A275505
Score: 9.18189
Type of gen. func.: ogf

$$- \frac{4 (x^2 + 5 x + 3)}{(x + 1) (x^2 + 4 x - 1)}$$

Sequence: A275506
Score: 3.45936
Type of gen. func.: ogf

$$(-5628939776 + 882845045 f(x)) (4 f(x) x^4 - 4 f(x) x^3 - 20 x^4 - 10 f(x) x^2 + 56 x^3 - 3 f(x) x + 36 x^2 + f(x) - 32 x - 24)$$

Sequence: A275506
Score: 6.38651
Type of gen. func.: ogf

$$\frac{4 (5 x^4 - 14 x^3 - 9 x^2 + 8 x + 6)}{4 x^4 - 4 x^3 - 10 x^2 - 3 x + 1}$$

Sequence: A275507
Score: 5.03654
Type of gen. func.: ogf

$$\frac{4 (59 x^5 + 60 x^4 - 123 x^3 - 74 x^2 + 14 x + 12)}{4 x^5 + 23 x^4 - 11 x^3 - 18 x^2 - 3 x + 1}$$

Sequence: A275521
Score: 14.0705
Type of gen. func.: lgdegf]

$$- \frac{2 x^4 + 6 x^2 + 3 x}{-2 x^3 - 3}$$

Sequence: A275539
Score: 3.85404
Type of gen. func.: egf]

$$\{a(n) n + (-n + 1) a(n + 1) - a(n + 2) n^2 + (n^2 - 1) a(n + 3), a(0) = 1,$$
$$a(1) = 2, a(2) = 2, a(3) = 2, a(4) = 3/2\}$$

Sequence: A275543
Score: 12.0703
Type of gen. func.: ogf

$$- \frac{x^3 + 7 x^2 - x + 1}{(x + 1) (x - 1)^3}$$

Sequence: A275543
Score: 6.82664
Type of gen. func.: ogf

$$(23 f(x) - 102) (f(x) x^4 - 2 f(x) x^3 + x^3 + 2 f(x) x + 7 x^2 - f(x) - x + 1)$$

Sequence: A275543
Score: 8.41262
Type of gen. func.: lgdogf

$$- \frac{-x^4 - 16 x^3 - 14 x^2 - 16 x - 1}{-x^5 - 7 x^4 + 2 x^3 + 6 x^2 - x + 1}$$

Sequence: A275546
Score: 8.64423
Type of gen. func.: ogf

$$- \frac{165 x^4 - 924 x^3 + 990 x^2 - 220 x + 5}{11 x^5 - 165 x^4 + 462 x^3 - 330 x^2 + 55 x - 1}$$

Sequence: A275560
Score: 4.85648
Type of gen. func.: ogf

$$(f(x) + 11) (16 f(x) x^4 + 96 x^4 - 8 f(x) x^2 + 36 x^3 - 2 f(x) x - 30 x^2 + f(x) - 30 x - 3)$$

Sequence: A275560
Score: 7.87696
Type of gen. func.: ogf

$$- \frac{3 (32 x^4 + 12 x^3 - 10 x^2 - 10 x - 1)}{16 x^4 - 8 x^2 - 2 x + 1}$$

Sequence: A275561
Score: 3.32552
Type of gen. func.: ogf

$$-6 \left(3 x^{10} - 5 x^{9} - 10 x^{8} + 13 x^{7} + 16 x^{6} - 43 x^{5} + 18 x^{4} + 23 x^{3} + 4 x^{2} - 13 x - 1\right) / \left((x^{4} - 4 x^{3} + 6 x^{2} - 5 x + 1)(x^{6} + 2 x^{5} - x^{4} - 5 x^{3} - x^{2} + 2 x + 1)\right)$$

Sequence: A275566
Score: 4.33883
Type of gen. func.: ogf

$$-\frac{3 (5 x^{9} - 8 x^{8} - 4 x^{7} + 25 x^{6} - 25 x^{5} - 19 x^{4} + 23 x^{3} + 12 x^{2} - 15 x - 1)}{(x^{3} - 2 x^{2} + 3 x - 1)(x^{6} - 3 x^{4} + 2 x^{2} - 1)}$$

Sequence: A275571
Score: 8.82464
Type of gen. func.: ogf

$$-\frac{8 x^{5} - 32 x^{4} + 32 x^{3} - 8 x^{2} + x + 1}{(x - 1)(x^{2} - 3 x + 1)}$$

Sequence: A275580
Score: 15.9952
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{9} + x^{4} + x^{3} + x^{2} + 2$$

Sequence: A275580
Score: 6.18656
Type of gen. func.: ogf

$$\frac{x^4 - x^3 + x^2 - x + 1}{(x^2 + 1)\,(x^2 + x + 1)\,(x - 1)^4}$$

Sequence: A275591
Score: 12.5010
Type of gen. func.: lgdogf

$$-\frac{-7 x^2 + 2 x + 11}{-7 x^3 + 15 x^2 - 7 x - 1}$$

Sequence: A275591
Score: 13.5257
Type of gen. func.: ogf

$$\frac{7 x^2 - 8 x - 1}{(x - 1)^3}$$

Sequence: A275591
Score: 7.17449
Type of gen. func.: ogf

$$(97 f(x) - 7234)\,(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 7 x^2 - f(x) + 8 x + 1)$$

Sequence: A275591
Score: 7.23742
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 11, a(2) = 23\}$$

Sequence: A275607
Score: 10.3168
Type of gen. func.: revogf

$$- \frac{27 x^2}{} - 1/8 + \frac{(729 x^4 + 54 x^2 + 16 x + 1)^{1/2}}{}$$

8 8

Sequence: A275607
Score: 17.2695
Type of gen. func.: ogf

$$-4 x - 1 + f(x) - 27 f(x)^2 x^2$$

Sequence: A275607
Score: 6.45851
Type of gen. func.: ogf

$$\{(-12 n^2 - 54 n - 54) a(n + 1) + (n^2 + 6 n + 8) a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A275615
Score: 11.1322
Type of gen. func.: ogf

$$-(2481 f(x) + 93989) (f(x) x^3 + 8 x^2 - f(x) + 9 x + 1)$$

Sequence: A275615
Score: 12.5970
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n), a(0) = 1, a(1) = 9, a(2) = 8\}$$

Sequence: A275615
Score: 19.5381
Type of gen. func.: ogf

$$-\frac{(x + 1) (8 x + 1)}{(x - 1) (x^2 + x + 1)}$$

Sequence: A275615
Score: 9.76907
Type of gen. func.: lgdogf

$$-\frac{8x^4+18x^3+3x^2+16x+9}{8x^5+9x^4+x^3-8x^2-9x-1}$$

Sequence: A275627
Score: 12.5852
Type of gen. func.: ogf

$$-\frac{6x^5+5x^4+4x^3+3x^2+2x+8}{x^6+x-1}$$

Sequence: A275634
Score: 14.0472
Type of gen. func.: ogf

$$-\frac{2x^2+2x-3}{3x^3+2x^2-5x+1}$$

Sequence: A275634
Score: 7.32376
Type of gen. func.: ogf

$$-(23 f(x) - 28) (3 f(x) x^3 + 2 f(x) x^2 - 5 f(x) x + 2 x^2 + f(x) + 2 x - 3)$$

Sequence: A275634
Score: 7.51649
Type of gen. func.: ogf

$\{a(n + 3) - 5 a(n + 2) + 2 a(n + 1) + 3 a(n), a(0) = 3, a(1) = 13, a(2) = 57\}$

Sequence: A275634
Score: 8.23923
Type of gen. func.: lgdogf

$$-6x^4 - 12x^3 + 13x^2 + 16x - 13$$

```
                   - ----------------------------------------
                         5       4       3       2
                     -6 x  - 10 x  + 15 x  + 14 x  - 17 x + 3



------------------------------------------------------------------------------

Sequence:  A275635
Score: 5.14762
Type of gen. func.: ogf


                           4              3             2        3
(195 f(x) - 32) (729 f(x) x  - 1080 f(x) x  + 390 f(x) x  + 180 x  - 40 f(x) x

           2
     - 24 x  + f(x))



------------------------------------------------------------------------------

Sequence:  A275635
Score: 9.20138
Type of gen. func.: ogf


                                     2
                                 12 x  (15 x - 2)
                    - --------------------------------------
                      (x - 1) (3 x - 1) (27 x - 1) (9 x - 1)



------------------------------------------------------------------------------

Sequence:  A275636
Score: 10.8804
Type of gen. func.: ogf


                                 2 x (5 x - 1)
                          ---------------------------
                          (x - 1) (3 x - 1) (9 x - 1)



------------------------------------------------------------------------------

Sequence:  A275636
Score: 5.77135
Type of gen. func.: ogf


{-a(n + 3) + 13 a(n + 2) - 39 a(n + 1) + 27 a(n), a(0) = 0, a(1) = 2, a(2) = 16

    }



------------------------------------------------------------------------------

Sequence:  A275636
Score: 5.77136
Type of gen. func.: ogf


                            3            2                   2
    -(4 f(x) + 1) (27 f(x) x  - 39 f(x) x  + 13 f(x) x - 10 x  - f(x) + 2 x)
```

Sequence: A275636
Score: 7.21418
Type of gen. func.: lgdogf

$$-\frac{270 x^3 - 276 x^2 + 78 x - 8}{135 x^4 - 222 x^3 + 104 x^2 - 18 x + 1}$$

Sequence: A275637
Score: 6.60216
Type of gen. func.: ogf

$$\frac{12 x^2 (891 x^2 - 57 x - 2)}{(x - 1) (81 x - 1) (3 x - 1) (9 x - 1) (27 x - 1)}$$

Sequence: A275638
Score: 13.3964
Type of gen. func.: ogf

$$\frac{1}{(x^2 + 1) (x^2 + x + 1) (x + 1)^2}$$

Sequence: A275638
Score: 24.6777
Type of gen. func.: ogf_with_Euler_transform]

$$x^3 + x^2 + x - 3$$

Sequence: A275639
Score: 19.9655
Type of gen. func.: ogf_with_Euler_transform]

$$x^4 + x^3 + x^2 + x - 4$$

Sequence: A275639
Score: 8.29714
Type of gen. func.: ogf

$$\frac{1}{(x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x + 1)^2}$$

Sequence: A275640
Score: 17.2362
Type of gen. func.: ogf_with_Euler_transform]

$$x^5 + x^4 + x^3 + x^2 + x - 5$$

Sequence: A275640
Score: 5.54332
Type of gen. func.: ogf

$$\frac{1}{(x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x^2 + x + 1)^2 (x + 1)^3}$$

Sequence: A275641
Score: 15.0308
Type of gen. func.: ogf_with_Euler_transform]

$$x^6 + x^5 + x^4 + x^3 + x^2 + x - 6$$

Sequence: A275643
Score: 16.2840
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(\frac{11}{x^{12}} - \frac{12}{x^{11}} + 1\right) x^{12}}{x - 1}$$

Sequence: A275653
Score: 4.00485
Type of gen. func.: ogf

$$\{(432 n^4 + 2592 n^3 + 5793 n^2 + 5715 n + 2100) a(n + 1) + (-4 n^4 - 28 n^3 - 73 n^2 - 84 n - 36) a(n + 2), a(0) = 1, a(1) = 18\}$$

Sequence: A275655
Score: 3.30624
Type of gen. func.: ogf

$$\{(-2304 n^4 - 13824 n^3 - 30848 n^2 - 30336 n - 11088) a(n + 1) + (9 n^4 + 63 n^3 + 164 n^2 + 188 n + 80) a(n + 2), a(0) = 1, a(1) = 40\}$$

Sequence: A275658
Score: 5.37322
Type of gen. func.: ogf

$$- (910 x^{18} - 910 x^{17} + 10 x^{16} - 10 x^{15} + 33 x^{14} - 32 x^{13} + 44 x^{12} - 44 x^{11} - x^9 + 4 x^4 - 3 x^3 - x^2 - 1) / (x - 1)^2$$

Sequence: A275673
Score: 10.2611
Type of gen. func.: ogf

$$- \frac{x^7 - x^6 + 1}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^3}$$

Sequence: A275695
Score: 13.5365
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^3$$

Sequence: A275704

Score: 12.1131
Type of gen. func.: ogf

$$-\frac{8x^8+8x^7+x^6+5x^5+2x^4+x^3+2x^2+5x+1}{(x-1)(x^2+x+1)(x^6+x^3+1)}$$

Sequence: A275707
Score: 16.2280
Type of gen. func.: lgdegf]

$$2\exp(x)\,x+2\exp(x)$$

Sequence: A275709
Score: 11.6738
Type of gen. func.: ogf

$$-\frac{x(x^2-8x-5)}{(x-1)^4}$$

Sequence: A275709
Score: 12.9120
Type of gen. func.: lgdogf

$$-\frac{-2x^2+22x+28}{-x^3+9x^2-3x-5}$$

Sequence: A275709
Score: 4.26094
Type of gen. func.: ogf

$$\{(-15-5n)\,a(n+4)+(22-3n)\,a(n+3)+(31+9n)\,a(n+2)$$

$$+(-2-n)\,a(n+1),\ a(0)=0,\ a(1)=5,\ a(2)=28,\ a(3)=81\}$$

Sequence: A275709
Score: 6.08706
Type of gen. func.: ogf

$(1992 f(x) + 12631)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + x^3 - 4 f(x) x - 8 x^2 + f(x) - 5 x)$$

Sequence: A275766
Score: 12.4495
Type of gen. func.: ogf

$$-\frac{6 (25 x - 26)}{(25 x - 1) (x - 1)}$$

Sequence: A275766
Score: 6.4788
Type of gen. func.: ogf

$$(7813 f(x) + 52575) (25 f(x) x^2 - 26 f(x) x + f(x) + 150 x - 156)$$

Sequence: A275766
Score: 7.13397
Type of gen. func.: ogf

$$\{-a(n + 2) + 26 a(n + 1) - 25 a(n), a(0) = 156, a(1) = 3906\}$$

Sequence: A275766
Score: 8.03700
Type of gen. func.: lgdogf

$$-\frac{-625 x^2 + 1300 x - 651}{-625 x^3 + 1300 x^2 - 701 x + 26}$$

Sequence: A275778
Score: 12.0066
Type of gen. func.: ogf

$$\frac{(2 x + 1) (x - 1)}{x^3 + x^2 + x - 1}$$

Sequence: A275778
Score: 6.20679
Type of gen. func.: ogf

$$-(68 f(x) - 201) (f(x) x^3 + f(x) x^2 + f(x) x - 2 x^2 - f(x) + x + 1)$$

Sequence: A275778
Score: 6.53930
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) + a(n), a(0) = 1, a(1) = 2, a(2) = 1\}$$

Sequence: A275778
Score: 8.71907
Type of gen. func.: lgdogf

$$-\frac{-2 x^4 + 2 x^3 + 6 x^2 - 2 x + 2}{-2 x^5 - x^4 + 4 x^2 - 1}$$

Sequence: A275788
Score: 11.8811
Type of gen. func.: ogf

$$-\frac{(x^2 + x + 1) x}{(x + 1) (2 x - 1) (x^2 - x + 1)}$$

Sequence: A275788
Score: 6.60062
Type of gen. func.: ogf

$$(38 f(x) + 41) (2 f(x) x^4 - f(x) x^3 + x^3 + 2 f(x) x + x^2 - f(x) + x)$$

Sequence: A275793

Score: 10.2004
Type of gen. func.: lgdogf

$$-\frac{-11 x^2 + 18 x - 43}{-11 x^3 + 75 x^2 - 65 x + 9}$$

Sequence: A275793
Score: 15.5224
Type of gen. func.: ogf

$$-\frac{11 x - 9}{x^2 - 6 x + 1}$$

Sequence: A275793
Score: 7.59607
Type of gen. func.: ogf

$$-(240 f(x) - 311) (f(x) x^2 - 6 f(x) x + f(x) + 11 x - 9)$$

Sequence: A275793
Score: 8.60277
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + a(n), a(0) = 9, a(1) = 43\}$$

Sequence: A275794
Score: 10.3971
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 4 x - 15}{3 x^3 - 16 x^2 - 9 x + 2}$$

Sequence: A275794
Score: 15.2491
Type of gen. func.: ogf

$$\frac{3 x + 2}{x^2 - 6 x + 1}$$

Sequence: A275794
Score: 7.88749
Type of gen. func.: ogf

$$(86 f(x) + 53) (f(x) x^2 - 6 f(x) x + f(x) - 3 x - 2)$$

Sequence: A275794
Score: 8.26760
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - a(n), a(0) = 2, a(1) = 15\}$$

Sequence: A275795
Score: 10.5722
Type of gen. func.: lgdogf

$$- \frac{-9 x^2 + 22 x - 57}{-9 x^3 + 65 x^2 - 75 x + 11}$$

Sequence: A275795
Score: 15.8584
Type of gen. func.: ogf

$$- \frac{9 x - 11}{x^2 - 6 x + 1}$$

Sequence: A275795
Score: 7.76049
Type of gen. func.: ogf

$$-(320 f(x) - 271) (f(x) x^2 - 6 f(x) x + f(x) + 9 x - 11)$$

Sequence: A275795
Score: 8.68435
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + a(n), a(0) = 11, a(1) = 57\}$$

Sequence: A275796
Score: 14.0048
Type of gen. func.: ogf

$$\frac{2 x + 3}{x^2 - 6 x + 1}$$

Sequence: A275796
Score: 7.24386
Type of gen. func.: ogf

$$(57 f(x) + 29) (f(x) x^2 - 6 f(x) x + f(x) - 2 x - 3)$$

Sequence: A275796
Score: 7.59296
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - a(n), a(0) = 3, a(1) = 20\}$$

Sequence: A275796
Score: 9.54873
Type of gen. func.: lgdogf

$$- \frac{-2 x^2 - 6 x + 20}{-2 x^3 + 9 x^2 + 16 x - 3}$$

Sequence: A275797
Score: 8.86615
Type of gen. func.: ogf

5 4 3 2

$$-\frac{7 x + 9 x + 11 x - 21 x - 11 x - 9}{x^6 - 6 x^3 + 1}$$

Sequence: A275799
Score: 4.81646
Type of gen. func.: ogf

$$-\frac{x^6 + 18 x^5 + 55 x^4 + 92 x^3 + 55 x^2 + 18 x + 1}{(x + 1)^3 (x - 1)^7}$$

Sequence: A275825
Score: 5.26926
Type of gen. func.: ogf

$\{(n + 3) a(n + 1) + (n + 1) a(n + 3) - a(n + 4), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 2\}$

Sequence: A275827
Score: 3.23995
Type of gen. func.: ogf

$\{(-8 n^2 - 36 n - 40) a(n + 1) + (17 n^2 + 125 n + 224) a(n + 2) + (-2 n^2 - 16 n - 30) a(n + 3), a(0) = 1, a(1) = 7, a(2) = 50\}$

Sequence: A275827
Score: 5.90248
Type of gen. func.: ogf

$$-64 f(x)^2 x^3 + 8 f(x)^2 x^2 - 16 f(x) x^2 - 6 f(x) x + f(x) - x - 1$$

Sequence: A275830
Score: 17.5326
Type of gen. func.: ogf

$$-\frac{14 x + 3}{}$$

$$49 x^3 - 7 x - 1$$

Sequence: A275830
Score: 8.58368
Type of gen. func.: ogf

$$\{-a(n + 3) - 7 a(n + 2) + 49 a(n), a(0) = 3, a(1) = -7, a(2) = 49\}$$

Sequence: A275830
Score: 9.364
Type of gen. func.: ogf

$$(f(x) + 39) (49 f(x) x^3 - 7 f(x) x - f(x) + 14 x + 3)$$

Sequence: A275830
Score: 9.47164
Type of gen. func.: lgdogf

$$- \frac{1372 x^3 + 441 x^2 - 7}{686 x^4 + 147 x^3 - 98 x^2 - 35 x - 3}$$

Sequence: A275831
Score: 10.0462
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 1) - 7 a(n), a(0) = 3, a(1) = 0, a(2) = 14\}$$

Sequence: A275831
Score: 10.8546
Type of gen. func.: lgdogf

$$- \frac{-49 x^4 + 63 x^2 + 28 x}{-49 x^5 - 49 x^4 + 21 x^3 + 28 x^2 - 3}$$

Sequence: A275831
Score: 14.0947
Type of gen. func.: ogf

$$-7 f(x) x^3 - 7 f(x) x^2 + 7 x^2 + f(x) - 3$$

Sequence: A275831
Score: 17.8179
Type of gen. func.: ogf

$$\frac{7 x^2 - 3}{7 x^3 + 7 x^2 - 1}$$

Sequence: A275856
Score: 10.0582
Type of gen. func.: ogf

$$- \frac{2 x^3 - 2 x^2 + 3 x - 1}{(x - 1) (x^4 + x^3 + 3 x - 1)}$$

Sequence: A275857
Score: 9.86678
Type of gen. func.: ogf

$$- \frac{x^3 - x^2 + 2 x - 1}{(x - 1) (x^4 + x^3 + 3 x - 1)}$$

Sequence: A275858
Score: 14.6988
Type of gen. func.: ogf

$$\frac{1}{x^4 + x^3 + 2 x^2 - x + 1}$$

Sequence: A275858
Score: 5.85563
Type of gen. func.: ogf

$$-(17 f(x) - 10) (f(x) x^4 + f(x) x^3 + 2 f(x) x^2 - f(x) x + f(x) - 1)$$

Sequence: A275858
Score: 9.00304
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 3 x^2 + 4 x - 1}{x^4 + x^3 + 2 x^2 - x + 1}$$

Sequence: A275859
Score: 9.52042
Type of gen. func.: ogf

$$-\frac{2 x^3 - 4 x^2 + 4 x - 1}{(x - 1) (x^4 + 4 x - 1)}$$

Sequence: A275860
Score: 7.52135
Type of gen. func.: ogf

$$\frac{x^6 - 3 x^5 + 3 x^4 - 2 x^3 + 2 x^2 - 4 x + 1}{(x - 1) (x^2 + x + 1) (x^4 - x^3 + 5 x - 1)}$$

Sequence: A275861
Score: 5.87240
Type of gen. func.: ogf

$$-\frac{4 x^5 - 9 x^4 + 10 x^3 - 9 x^2 + 6 x - 1}{(x - 1) (x^2 + 1) (x^4 - 2 x^3 + 6 x - 1)}$$

Sequence: A275874
Score: 12.1367
Type of gen. func.: ogf

$$\frac{x\,(4\,x^2 - 11\,x + 8)}{(x - 1)^4}$$

Sequence: A275874
Score: 13.2076
Type of gen. func.: lgdogf

$$-\frac{-8\,x^2 + 25\,x - 21}{-4\,x^3 + 15\,x^2 - 19\,x + 8}$$

Sequence: A275874
Score: 4.44613
Type of gen. func.: ogf

$$\{(24 + 8\,n)\,a(n + 4) + (-59 - 19\,n)\,a(n + 3) + (40 + 15\,n)\,a(n + 2) + (-8 - 4\,n)\,a(n + 1),\ a(0) = 0,\ a(1) = 8,\ a(2) = 21,\ a(3) = 40\}$$

Sequence: A275874
Score: 6.50811
Type of gen. func.: ogf

$$(103\,f(x) - 540)\,(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - 4\,x^3 - 4\,f(x)\,x + 11\,x^2 + f(x) - 8\,x)$$

Sequence: A275876
Score: 12.9217
Type of gen. func.: ogf

$$\frac{4\,x\,(x^2 + 2\,x - 1)}{(x - 1)^4}$$

Sequence: A275876
Score: 14.7389
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 8 x - 2}{x^3 + x^2 - 3 x + 1}$$

Sequence: A275876
Score: 4.83737
Type of gen. func.: ogf

$\{(-3 - n) a(n + 4) + (8 + 3 n) a(n + 3) + (-9 - n) a(n + 2) + (-2 - n) a(n + 1)$

$, a(0) = 0, a(1) = -4, a(2) = -8, a(3) = -4\}$

Sequence: A275876
Score: 7.09238
Type of gen. func.: ogf

$(2 f(x) + 5)$

$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 x^3 - 4 f(x) x - 8 x^2 + f(x) + 4 x)$

Sequence: A275903
Score: 14.3471
Type of gen. func.: ogf

$$-\frac{4 x^2 + 1}{4 x^3 - 4 x^2 + 5 x - 1}$$

Sequence: A275903
Score: 7.23702
Type of gen. func.: ogf

$\{a(n + 3) - 5 a(n + 2) + 4 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 5, a(2) = 25\}$

Sequence: A275903

Score: 7.64282

Type of gen. func.: ogf

$$(f(x) - 1) (4 f(x) x^3 - 4 f(x) x^2 + 5 f(x) x + 4 x^2 - f(x) + 1)$$

Sequence: A275903

Score: 9.29299

Type of gen. func.: lgdogf

$$- \frac{-16 x^4 + 8 x^2 - 5}{-16 x^5 + 16 x^4 - 24 x^3 + 8 x^2 - 5 x + 1}$$

Sequence: A275905

Score: 13.8254

Type of gen. func.: ogf

$$\frac{(x + 1) (2 x - 1)}{2 x^3 - 3 x^2 + 6 x - 1}$$

Sequence: A275905

Score: 7.20808

Type of gen. func.: ogf

$$-(11 f(x) + 14) (2 f(x) x^3 - 3 f(x) x^2 + 6 f(x) x - 2 x^2 - f(x) - x + 1)$$

Sequence: A275905

Score: 7.46325

Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 5, a(2) = 25\}$$

Sequence: A275905

Score: 8.60558

Type of gen. func.: lgdogf

$$- \frac{-4 x^4 - 4 x^3 + 21 x^2 - 10 x + 5}{}$$

$$-4 x^5 + 4 x^4 - 7 x^3 - 7 x^2 + 7 x - 1$$

Sequence: A275906
Score: 14.2609
Type of gen. func.: ogf

$$- \frac{x^2 + x + 1}{x^3 + 4 x^2 + 4 x - 1}$$

Sequence: A275906
Score: 7.69835
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) + 4 a(n + 1) + a(n), a(0) = 1, a(1) = 5, a(2) = 25\}$$

Sequence: A275906
Score: 7.76707
Type of gen. func.: ogf

$$(22 f(x) + 3) (f(x) x^3 + 4 f(x) x^2 + 4 f(x) x + x^2 - f(x) + x + 1)$$

Sequence: A275906
Score: 8.96818
Type of gen. func.: lgdogf

$$- \frac{-x^4 - 2 x^3 - 3 x^2 - 10 x - 5}{-x^5 - 5 x^4 - 9 x^3 - 7 x^2 - 3 x + 1}$$

Sequence: A275907
Score: 13.8858
Type of gen. func.: ogf

$$\frac{x^3 - x - 1}{x^5 + x^4 + 4 x - 1}$$

Sequence: A275908
Score: 6.64442
Type of gen. func.: ogf

$$-\frac{x^6 + 4 x^5 + 6 x^4 + 4 x^3 + 4 x^2 + 2 x + 1}{x^7 + 5 x^6 + 7 x^5 + 7 x^4 + 6 x^3 + x^2 + 3 x - 1}$$

Sequence: A275909
Score: 6.59168
Type of gen. func.: ogf

$$-\frac{2 x^6 + 4 x^5 + 7 x^4 + 8 x^3 + 8 x^2 + 4 x + 1}{2 x^7 + 4 x^6 + 7 x^5 + 6 x^4 + 12 x^3 + 7 x^2 + x - 1}$$

Sequence: A275910
Score: 10.5056
Type of gen. func.: ogf

$$\frac{2 x^6 + x^5 + x^4 + x^3 + x^2 + x + 2}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A275930
Score: 5.43903
Type of gen. func.: ogf

$$-\frac{3 x^6 - 39 x^5 - 311 x^4 + 766 x^3 + 689 x^2 - 191 x - 5}{(x + 1) (x^2 + 7 x + 1) (x^2 - 3 x + 1) (x^2 - 18 x + 1)}$$

Sequence: A275931
Score: 6.95924
Type of gen. func.: ogf

$$x^4 - 47 x^3 + 195 x^2 - 70 x + 2$$

$$-\frac{}{(x - 1) (x^2 - 47 x + 1) (x^2 - 7 x + 1)}$$

Sequence: A275932
Score: 7.22644
Type of gen. func.: ogf

$$\frac{x^3 - 55 x^2 - 127 x - 8}{(x - 1) (x^2 - 47 x + 1) (x^2 - 7 x + 1)}$$

Sequence: A275944
Score: 4.2695
Type of gen. func.: ogf

$$(30336700336697 f(x) + 128000000) ($$

$$1000000 f(x) x^4 - 1111000 f(x) x^3 + 112110 f(x) x^2 - 1111 f(x) x + f(x) - 1$$

$$)$$

Sequence: A275944
Score: 5.62152
Type of gen. func.: lgdogf

$$-\frac{-4000000 x^3 + 3333000 x^2 - 224220 x + 1111}{-1000000 x^4 + 1111000 x^3 - 112110 x^2 + 1111 x - 1}$$

Sequence: A275944
Score: 9.77655
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (100 x - 1) (1000 x - 1) (10 x - 1)}$$

Sequence: A275970
Score: 13.5820
Type of gen. func.: lgdogf

$$-\frac{2 x^{3} + 10 x^{2} - 16 x + 6}{2 x^{4} + x^{3} - 9 x^{2} + 8 x - 2}$$

Sequence: A275970
Score: 18.2577
Type of gen. func.: ogf

$$\frac{x^{2} + 2 x - 2}{(2 x - 1) (x - 1)^{2}}$$

Sequence: A275970
Score: 9.28102
Type of gen. func.: ogf

$$-(107 f(x) + 1047) (2 f(x) x^{3} - 5 f(x) x^{2} + 4 f(x) x - x^{2} - f(x) - 2 x + 2)$$

Sequence: A275970
Score: 9.85593
Type of gen. func.: ogf

$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 2, a(1) = 6, a(2) = 13\}$

Sequence: A276009
Score: 9.03047
Type of gen. func.: ogf

$$2 x^{4} (12 x^{44} - 7 x^{20} + x^{18} + 2 x^{14} + x^{12} + 2 x^{8} + x^{6} - x^{2} + 1) \Big/ ((x + 1) (x^{2} + 1) (x^{4} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x^{8} - x^{4} + 1) (x - 1)^{2})$$

Sequence: A276014
Score: 4.37330
Type of gen. func.: ogf

$$\{(-2304 n^4 - 13440 n^3 - 29232 n^2 - 28104 n - 10080) a(n + 1) + (n^4 + 8 n^3 + 24 n^2 + 32 n + 16) a(n + 2), a(0) = 1, a(1) = 72\}$$

Sequence: A276016
Score: 3.79811
Type of gen. func.: ogf

$$\{(243 n^3 + 1053 n^2 + 1512 n + 720) a(n + 1) + (-n^3 - 6 n^2 - 12 n - 8) a(n + 2), a(0) = 1, a(1) = 18\}$$

Sequence: A276016
Score: 9.52746
Type of gen. func.: ogf

$$\mathrm{hypergeom}([1/3, 1/3, 2/3], [1, 1], 243 x)$$

Sequence: A276018
Score: 15.9972
Type of gen. func.: ogf

$$\mathrm{hypergeom}([1/3, 1/3], [1], 27 x)$$

Sequence: A276018
Score: 6.50293
Type of gen. func.: ogf

$$\{(-27 n^2 - 72 n - 48) a(n + 1) + (n^2 + 4 n + 4) a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A276019
Score: 5.45147
Type of gen. func.: ogf

$$\{(-2000 n^2 - 6000 n - 4500) a(n + 1) + (88 n^2 + 396 n + 450) a(n + 2) + (-n^2 - 6 n - 9) a(n + 3), a(0) = 1, a(1) = 10, a(2) = 230\}$$

Sequence: A276021
Score: 3.59263
Type of gen. func.: ogf

$$\{(-3969 n^2 - 13230 n - 11025) a(n + 1) + (117 n^2 + 546 n + 645) a(n + 2) + (-n^2 - 6 n - 9) a(n + 3), a(0) = 1, a(1) = 21, a(2) = 693\}$$

Sequence: A276026
Score: 14.8966
Type of gen. func.: lgdogf

$$-\frac{-23 x^2 + 62 x - 51}{-23 x^3 + 77 x^2 - 89 x + 35}$$

Sequence: A276026
Score: 16.0252
Type of gen. func.: ogf

$$-\frac{4 (23 x^2 - 54 x + 35)}{(x - 1)^3}$$

Sequence: A276026
Score: 8.741
Type of gen. func.: ogf

$$(99 f(x) + 12110) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 92 x^2 - f(x) - 216 x + 140)$$

Sequence: A276026
Score: 8.96322
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 140, a(1) = 204, a(2) = 284\}$$

Sequence: A276031
Score: 6.46161
Type of gen. func.: ogf

$$\frac{x (x^6 - 2 x^5 + x^4 - x^3 + 2 x^2 + 1)}{(x^2 + x + 1)^2 (x - 1)^4}$$

Sequence: A276041
Score: 12.1012
Type of gen. func.: lgdogf

$$-\frac{-8 x^2 - 8 x - 6}{-8 x^3 + 4 x^2 - 2 x + 1}$$

Sequence: A276041
Score: 13.3531
Type of gen. func.: ogf

$$-\frac{4 x^2 + 1}{(2 x - 1)^3}$$

Sequence: A276041
Score: 6.79368
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 12 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 6, a(2) = 28\}$$

Sequence: A276041
Score: 7.17109
Type of gen. func.: ogf

$$(9 f(x) - 4) (8 f(x) x^3 - 12 f(x) x^2 + 6 f(x) x + 4 x^2 - f(x) + 1)$$

Sequence: A276042
Score: 6.81352

Type of gen. func.: lgdogf

$$-\frac{-20 x^4 + 32 x^3 - 42 x^2 + 16 x - 4}{-20 x^5 + 46 x^4 - 50 x^3 + 28 x^2 - 8 x + 1}$$

Sequence: A276042
Score: 7.01590
Type of gen. func.: ogf

$$-\frac{10 x^4 - 18 x^3 + 16 x^2 - 6 x + 1}{(2 x - 1)^5}$$

Sequence: A276054
Score: 5.22102
Type of gen. func.: ogf

$$-\frac{2 x^3 (x - 1) (x + 1) (x^4 - x^3 - 1)}{(x^2 + 1) (x^3 - x - 1) (x^3 - 2 x^2 - x + 1)^2}$$

Sequence: A276055
Score: 10.9175
Type of gen. func.: ogf

$$-\frac{(x^2 + 1) (x^3 - x - 1)}{x^6 - 2 x^4 - x^2 + 1}$$

Sequence: A276057
Score: 10.3393
Type of gen. func.: ogf

$$\frac{2 x^4}{(x^3 + x + 1) (x^3 + x - 1)^2}$$

Sequence: A276057
Score: 9.36616
Type of gen. func.: lgdogf

$$-\frac{-9x^5-12x^3-3x^2-3x-1}{-x^6-2x^4-x^2+1}$$

Sequence: A276059
Score: 8.87919
Type of gen. func.: ogf

$$-\frac{2x^7(x-1)}{(x+1)(x^3-x+1)(x^3+x-1)^2}$$

Sequence: A276061
Score: 6.66902
Type of gen. func.: ogf

$$\frac{2x^5(x-1)(x^2+x+1)}{(x+1)(x^2-x+1)(x^3-x-1)(x^3+x-1)^2}$$

Sequence: A276063
Score: 8.46374
Type of gen. func.: ogf

$$\frac{2x^5}{(x^4+x+1)(x^4+x-1)^2}$$

Sequence: A276063
Score: 9.25107
Type of gen. func.: lgdogf

```
           7       4      3
     -12 x  - 15 x  - 4 x  - 3 x - 1
   - --------------------------------
                8      5    2
```

$$-x - 2 x - x + 1$$

Sequence: A276065
Score: 8.34727
Type of gen. func.: ogf

$$\frac{2 x^{6}}{(x^{2} + x + 1) (x^{3} - x^{2} + 1) (x^{2} - x + 1)^{2} (x^{3} + x^{2} - 1)^{2}}$$

Sequence: A276065
Score: 9.21078
Type of gen. func.: lgdogf

$$- \frac{-15 x^{9} - 18 x^{5} - 5 x^{4} - 3 x - 1}{-x^{10} - 2 x^{6} - x^{2} + 1}$$

Sequence: A276071
Score: 4.41633
Type of gen. func.: ogf

$$x^{4} (x^{15} - x^{14} - x^{13} + x^{12} - 3 x^{11} - 11 x^{10} + x^{9} + 3 x^{8} + 3 x^{7} - 11 x^{6} + x^{5} - 3 x^{4} - x^{3} - x^{2} - x - 1) / ((x - 1)^{5} (x + 1)^{5} (x^{2} + 1)^{5})$$

Sequence: A276076
Score: 4.89870
Type of gen. func.: ogf

$$- \frac{(2 x + 1) (5 x^{6} + 1) (25 x^{12} + 1) (9 x^{4} + 3 x^{2} + 1)}{7 x^{24} - 1}$$

Sequence: A276106
Score: 14.6739
Type of gen. func.: lgdogf

$$-\frac{-8x^7-7x^6-1}{-x^8-x^7-x+1}$$

Sequence: A276106
Score: 26.9682
Type of gen. func.: ogf

$$-\frac{1}{(x^2+1)(x^3-x+1)(x^3+x^2-1)}$$

Sequence: A276123
Score: 7.78379
Type of gen. func.: ogf

$$-\frac{4x^5+10x^4-13x^3-16x^2+x+1}{(x-1)(x+1)(x^4-16x^2+1)}$$

Sequence: A276129
Score: 11.7117
Type of gen. func.: lgdogf

$$-\frac{3x^2+3}{-x^4-x^3+2x^2+x-1}$$

Sequence: A276129
Score: 9.83207
Type of gen. func.: ogf

$$\frac{(x+1)^3(x-1)^3}{(x^2+x-1)^3}$$

Sequence: A276139

Score: 10.7300
Type of gen. func.: lgdogf

$$-\frac{2x^2 - 18x - 5}{-20x^4 - 22x^3 - 7x^2 - x + 1}$$

Sequence: A276139
Score: 15.1840
Type of gen. func.: ogf

$$-\frac{4x^2 + 2x + 1}{5x^2 + 3x - 1}$$

Sequence: A276139
Score: 7.81312
Type of gen. func.: ogf

{-a(n + 3) + 3 a(n + 2) + 5 a(n + 1), a(0) = 1, a(1) = 5, a(2) = 24}

Sequence: A276139
Score: 8.21173
Type of gen. func.: ogf

$$-(-8 + 33 f(x)) (5 f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) + 2 x + 1)$$

Sequence: A276155
Score: 8.87492
Type of gen. func.: ogf

$$\frac{x^{15} + x^{13} + x^3 + x + 1}{(x^2 + 1) (x^4 + 1) (x^8 - x^4 + 1) (x - 1)^2}$$

Sequence: A276159
Score: 17.9893
Type of gen. func.: lgdogf

$$-\frac{-20x-16}{-5x^2+4x+1}$$

Sequence: A276159
Score: 5.84068
Type of gen. func.: ogf

{(n + 3) a(n + 3) + (-8 + 4 n) a(n + 2) + (-25 - 5 n) a(n + 1), a(0) = 1,

a(1) = 16, a(2) = 106}

Sequence: A276159
Score: 9.99404
Type of gen. func.: ogf

$$\frac{(5x+1)^2}{(x-1)^6}$$

Sequence: A276225
Score: 15.3044
Type of gen. func.: ogf

$$\frac{x^2+4x-3}{x^3+x^2+2x-1}$$

Sequence: A276225
Score: 7.91159
Type of gen. func.: ogf

$$-(87 f(x) - 235) (f(x) x^3 + f(x) x^2 + 2 f(x) x - x^2 - f(x) - 4 x + 3)$$

Sequence: A276225
Score: 8.33543
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) - a(n + 1) - a(n), a(0) = 3, a(1) = 2, a(2) = 6}

Sequence: A276225
Score: 9.62441
Type of gen. func.: lgdogf

$$-\frac{-x^4 - 8x^3 + 7x^2 + 4x + 2}{-x^5 - 5x^4 - 3x^3 - 4x^2 + 10x - 3}$$

Sequence: A276226
Score: 12.6068
Type of gen. func.: lgdogf

$$-\frac{-4x^3 + 7x^2 + 6x + 4}{-2x^4 + x^3 - x^2 + 8x - 3}$$

Sequence: A276226
Score: 17.6937
Type of gen. func.: ogf

$$\frac{2x(2x - 3)}{x^3 + x^2 + 2x - 1}$$

Sequence: A276226
Score: 9.08595
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + a(n + 1) + a(n), a(0) = 0, a(1) = 6, a(2) = 8\}$$

Sequence: A276226
Score: 9.16854
Type of gen. func.: ogf

$$(25 f(x) + 374) (f(x) x^3 + f(x) x^2 + 2 f(x) x - 4 x^2 - f(x) + 6 x)$$

Sequence: A276228
Score: 12.8525
Type of gen. func.: ogf

$$-\frac{2 x^2 + 2 x + 3}{x^3 - 2 x^2 - x - 1}$$

Sequence: A276228
Score: 6.81741
Type of gen. func.: ogf

$$(174 f(x) - 335) (f(x) x^3 - 2 f(x) x^2 - f(x) x + 2 x^2 - f(x) + 2 x + 3)$$

Sequence: A276228
Score: 7.00002
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) - 2 a(n + 1) + a(n), a(0) = 3, a(1) = -1, a(2) = -3\}$$

Sequence: A276228
Score: 8.08249
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 4 x^3 + 7 x^2 - 8 x - 1}{2 x^5 - 2 x^4 - 3 x^3 - 10 x^2 - 5 x - 3}$$

Sequence: A276229
Score: 11.1819
Type of gen. func.: lgdogf

$$-\frac{-3 x^2 + 4 x + 1}{-x^3 + 2 x^2 + x + 1}$$

Sequence: A276229
Score: 17.4547

Type of gen. func.: ogf

$$-\frac{x^2}{x^3-2x^2-x-1}$$

Sequence: A276229
Score: 6.50585
Type of gen. func.: ogf

$$\{a(n+3)+a(n+2)+2a(n+1)-a(n), a(0)=0, a(1)=0, a(2)=1\}$$

Sequence: A276229
Score: 8.83509
Type of gen. func.: ogf

$$f(x)x^3-2f(x)x^2-f(x)x+x^2-f(x)$$

Sequence: A276243
Score: 4.43661
Type of gen. func.: ogf

$$-\frac{28x^8-113x^7-47x^6+424x^5-150x^4-33x^3-23x^2+9x+3}{(2x-1)(28x^5+41x^4-21x^3-2x^2-3x+1)}$$

Sequence: A276265
Score: 12.0588
Type of gen. func.: lgdogf

$$-\frac{12x^2+12x-8}{12x^3-6x^2-4x+1}$$

Sequence: A276265
Score: 17.9542
Type of gen. func.: ogf

$$\frac{2 x + 1}{6 x^2 - 6 x + 1}$$

Sequence: A276265
Score: 9.50515
Type of gen. func.: ogf

$$(9 f(x) + 7) (6 f(x) x^2 - 6 f(x) x + f(x) - 2 x - 1)$$

Sequence: A276265
Score: 9.85291
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 6 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A276275
Score: 14.4661
Type of gen. func.: ogf

$$\frac{2 (x^2 - x - 1)}{x^3 + x^2 - 1}$$

Sequence: A276275
Score: 8.8663
Type of gen. func.: ogf

$$(2 f(x) - 5) (f(x) x^3 + f(x) x^2 - 2 x^2 - f(x) + 2 x + 2)$$

Sequence: A276275
Score: 8.86630
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 1) - a(n), a(0) = 2, a(1) = 2, a(2) = 0\}$$

Sequence: A276275

Score: 9.81626
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 2 x^3 + 4 x^2 + 1}{-x^5 + 2 x^3 + 2 x^2 - x - 1}$$

Sequence: A276276
Score: 11.2176
Type of gen. func.: ogf

$$\frac{2 x^2 - x - 2}{x^3 + x^2 - 1}$$

Sequence: A276276
Score: 6.59179
Type of gen. func.: ogf

$$(150 f(x) - 317) (f(x) x^3 + f(x) x^2 - 2 x^2 - f(x) + x + 2)$$

Sequence: A276276
Score: 6.87531
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 1) - a(n), a(0) = 2, a(1) = 1, a(2) = 0\}$$

Sequence: A276278
Score: 7.97680
Type of gen. func.: ogf

$$-\frac{x^7 + 2 x^6 - x^5 - 2 x^4 - x^3 - x^2 - 2 x - 3}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A276283
Score: 13.8399
Type of gen. func.: ogf

$$\frac{x^3 + 3 x^2 + x + 1}{(x^2 + 1) (x - 1)^2}$$

Sequence: A276283
Score: 5.35513
Type of gen. func.: ogf

$$\{(-3 n - 10) a(n + 1) + (3 n + 7) a(n + 2) + (-3 n - 10) a(n + 3) + (3 n + 7) a(n + 4), a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 11\}$$

Sequence: A276283
Score: 7.40049
Type of gen. func.: ogf

$$-(30 f(x) - 493) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - x^3 - 2 f(x) x - 3 x^2 + f(x) - x - 1)$$

Sequence: A276283
Score: 9.86731
Type of gen. func.: lgdogf

$$- \frac{-x^5 - 7 x^4 - 2 x^3 - 6 x^2 - 5 x - 3}{-x^6 - 2 x^5 + x^4 - 2 x^3 + 3 x^2 + 1}$$

Sequence: A276284
Score: 9.61634
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A276285
Score: 10.8434
Type of gen. func.: ogf_with_Euler_transform]

$$2$$

$$-\frac{13 x - 13 x + 26}{-x^3 - x^2 - x - 1}$$

Sequence: A276286
Score: 11.2506
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{14 x^2 - 14 x + 28}{-x^3 - x^2 - x - 1}$$

Sequence: A276287
Score: 10.9643
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{15 x^2 - 15 x + 30}{-x^3 - x^2 - x - 1}$$

Sequence: A276288
Score: 15.0882
Type of gen. func.: ogf

$$-\frac{x (3 x^2 - x - 1)}{3 x^4 - 7 x^2 + 1}$$

Sequence: A276288
Score: 7.93431
Type of gen. func.: lgdogf

$$-\frac{-18 x^5 + 9 x^4 + 12 x^3 - 7 x^2 - 8 x - 1}{-9 x^6 + 3 x^5 + 24 x^4 - 7 x^3 - 10 x^2 + x + 1}$$

Sequence: A276288
Score: 8.76552

Type of gen. func.: ogf

$$\{-a(n + 4) + 7 a(n + 2) - 3 a(n), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 4\}$$

Sequence: A276288
Score: 9.11267
Type of gen. func.: ogf

$$-(f(x) + 1) (3 f(x) x^4 - 7 f(x) x^2 + 3 x^3 - x^2 + f(x) - x)$$

Sequence: A276289
Score: 14.2688
Type of gen. func.: ogf

$$-\frac{(x + 1) x}{(2 x - 1)^3}$$

Sequence: A276289
Score: 17.2415
Type of gen. func.: lgdogf

$$-\frac{4 x + 7}{2 x^2 + x - 1}$$

Sequence: A276289
Score: 7.19644
Type of gen. func.: ogf

$$-(324 f(x) - 95) (8 f(x) x^3 - 12 f(x) x^2 + 6 f(x) x + x^2 - f(x) + x)$$

Sequence: A276289
Score: 7.38921
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 12 a(n + 1) - 8 a(n), a(0) = 0, a(1) = 1, a(2) = 7\}$$

Sequence: A276293
Score: 4.71695
Type of gen. func.: ogf

{a(n + 4) - 4 a(n + 3) + 4 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 4, a(2) = 11,

a(3) = 31}

Sequence: A276293
Score: 5.31152
Type of gen. func.: ogf

$$-(f(x) + 2) (2 f(x) x^3 - 4 f(x) x^2 + x^3 + 4 f(x) x - x^2 - f(x) + 1)$$

Sequence: A276293
Score: 9.72417
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 + 1}{2 x^3 - 4 x^2 + 4 x - 1}$$

Sequence: A276294
Score: 5.51765
Type of gen. func.: ogf

$$\frac{2 x^6 - 11 x^5 + 3 x^4 - 7 x^3 + 11 x^2 - 2}{(x - 1) (6 x^4 - x^3 + 3 x^2 - 5 x + 1)}$$

Sequence: A276300
Score: 4.63407
Type of gen. func.: ogf

{a(n + 4) - 4 a(n + 3) - a(n + 2) + 4 a(n + 1), a(0) = 5, a(1) = 11, a(2) = 45,

a(3) = 173}

Sequence: A276300
Score: 5.04187

Type of gen. func.: ogf

$$(-1309 + 6618 f(x))$$

$$(4 f(x) x^3 - f(x) x^2 - 2 x^3 - 4 f(x) x + 4 x^2 + f(x) + 9 x - 5)$$

Sequence: A276300
Score: 9.13381
Type of gen. func.: ogf

$$\frac{2 x^3 - 4 x^2 - 9 x + 5}{(x - 1) (4 x - 1) (x + 1)}$$

Sequence: A276301
Score: 4.50521
Type of gen. func.: ogf

$$\frac{30 x^7 + 39 x^6 - 149 x^5 - 35 x^4 + 49 x^3 + 75 x^2 + 25 x - 14}{(x - 1) (15 x^5 - 7 x^4 - 13 x^3 - 13 x^2 - 3 x + 1)}$$

Sequence: A276308
Score: 6.49062
Type of gen. func.: ogf

$$- \frac{4 x^8 + 10 x^7 + 22 x^6 - 25 x^5 - 31 x^4 - 34 x^3 + x^2 + x + 1}{(x - 1) (x^2 + x + 1) (x^6 - 34 x^3 + 1)}$$

Sequence: A276310
Score: 11.8403
Type of gen. func.: ogf

$$-1 + f(x) - 2 f(x)^2 x - 2 f(x)^3 x^2$$

Sequence: A276310
Score: 21.8305
Type of gen. func.: revogf

$$-2 x^3 - 2 x^2 + x$$

Sequence: A276310
Score: 3.73570
Type of gen. func.: ogf

$$\{(27 n^2 + 108 n + 105) a(n + 1) + (26 n^2 + 143 n + 195) a(n + 2)$$
$$+ (-3 n^2 - 21 n - 36) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 10\}$$

Sequence: A276314
Score: 12.4968
Type of gen. func.: ogf

$$-1 + f(x) - f(x)^2 x - 3 f(x)^3 x^2$$

Sequence: A276314
Score: 23.0409
Type of gen. func.: revogf

$$-3 x^3 - x^2 + x$$

Sequence: A276314
Score: 3.90110
Type of gen. func.: ogf

$$\{(-243 n^2 - 972 n - 945) a(n + 1) + (-58 n^2 - 319 n - 435) a(n + 2)$$
$$+ (13 n^2 + 91 n + 156) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 5\}$$

Sequence: A276315
Score: 12.2297
Type of gen. func.: ogf

$$1 - f(x) + 3 f(x)^2 x + 2 f(x)^3 x^2$$

Sequence: A276315
Score: 22.5485
Type of gen. func.: revogf

$$-2 x^3 - 3 x^2 + x$$

Sequence: A276315
Score: 3.71934
Type of gen. func.: ogf

$$\{(108 n^2 + 432 n + 420) a(n + 1) + (216 n^2 + 1188 n + 1620) a(n + 2)$$
$$+ (-17 n^2 - 119 n - 204) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 20\}$$

Sequence: A276316
Score: 11.526
Type of gen. func.: ogf

$$-1 + f(x) - 4 f(x)^2 x + f(x)^3 x^2$$

Sequence: A276316
Score: 18.8898
Type of gen. func.: revogf

$$x (x^2 - 4 x + 1)$$

Sequence: A276316
Score: 3.54183
Type of gen. func.: ogf

$$\{(-27 n^2 - 108 n - 105) a(n + 1) + (-184 n^2 - 1012 n - 1380) a(n + 2)$$
$$+ (12 n^2 + 84 n + 144) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 31\}$$

Sequence: A276351

Score: 6.46693
Type of gen. func.: ogf

$$-\frac{2\,(4x^6+39x^5+287x^4+254x^3+138x^2-5x+3)}{(x-1)^7}$$

Sequence: A276352
Score: 11.0477
Type of gen. func.: ogf

$$-1000\,f(x)\,x^2+110\,f(x)\,x-f(x)+90\,x$$

Sequence: A276352
Score: 12.3811
Type of gen. func.: lgdogf

$$-\frac{2000\,x-110}{1000\,x^2-110\,x+1}$$

Sequence: A276352
Score: 16.7000
Type of gen. func.: ogf

$$\frac{90\,x}{(100\,x-1)\,(10\,x-1)}$$

Sequence: A276352
Score: 8.25403
Type of gen. func.: ogf

$$\{a(n+2)-110\,a(n+1)+1000\,a(n),\ a(0)=0,\ a(1)=90\}$$

Sequence: A276368
Score: 22.2437
Type of gen. func.: ogf

$$9\,f(x)^3\,x-2\,f(x)^3+3\,f(x)-1$$

Sequence: A276368
Score: 6.99091
Type of gen. func.: ogf

$$\{(81 n^2 + 243 n + 180) a(n + 1) + (18 n + 36) a(n + 2)$$
$$+ (-4 n^2 - 20 n - 24) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A276382
Score: 13.6003
Type of gen. func.: ogf

$$\frac{x^3 - 3 x - 1}{(x + 1) (x - 1)^3}$$

Sequence: A276382
Score: 7.03064
Type of gen. func.: ogf

$$-(20 f(x) - 163) (f(x) x^4 - 2 f(x) x^3 - x^3 + 2 f(x) x - f(x) + 3 x + 1)$$

Sequence: A276382
Score: 9.32153
Type of gen. func.: lgdogf

$$- \frac{-x^4 - 2 x^3 + 6 x^2 + 10 x + 5}{-x^5 + 4 x^3 + x^2 - 3 x - 1}$$

Sequence: A276394
Score: 8.63520
Type of gen. func.: ogf

$$- \frac{x (x^{20} + x^{19} + x^{18} + x^{14} + x^{13} + x^9 + x^8 + x^7 + x^2 + x + 1) (x^2 - x + 1)}{}$$

4   3   2   20   15   10   5

$$(x - 1) (x + x + x + x + 1) (x + x + x + x + 1)$$

Sequence: A276396
Score: 10.0989
Type of gen. func.: ogf

$$-\frac{(x - 3) (10 x^2 + 3 x + 10)}{11 x^4 - 30 x^3 + 2 x^2 - 33 x + 1}$$

Sequence: A276396
Score: 5.70209
Type of gen. func.: ogf

$$(368 f(x) + 167) (11 f(x) x^4 - 30 f(x) x^3 + 2 f(x) x^2 + 10 x^3 - 33 f(x) x - 27 x^2 + f(x) + x - 30)$$

Sequence: A276401
Score: 6.11360
Type of gen. func.: ogf

$$\frac{30 x^6 - 223 x^5 + 190 x^4 + 105 x^3 + 73 x^2 - 64 x - 39}{(3 x^3 - 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A276403
Score: 12.1033
Type of gen. func.: ogf

$$-\frac{48 x^5 + 36 x^4 + 27 x^3 + 18 x^2 + 12 x + 8}{(3 x^3 - 1) (3 x^3 + 1)}$$

Sequence: A276425
Score: 10.5997
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^6 - x^5 - 2x^4 + 2x^3 - x^2 + x + 1}{x - 1}$$

Sequence: A276477
Score: 14.7377
Type of gen. func.: ogf

$$\frac{x^2 - 2x - 2}{x^3 + x^2 - 1}$$

Sequence: A276477
Score: 8.31733
Type of gen. func.: ogf

$$-(129 f(x) - 265) (f(x) x^3 + f(x) x^2 - x^2 - f(x) + 2 x + 2)$$

Sequence: A276477
Score: 8.75052
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 4x^3 + 8x^2 + 2x + 2}{-x^5 + x^4 + 4x^3 + 3x^2 - 2x - 2}$$

Sequence: A276477
Score: 8.93670
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 1) - a(n), a(0) = 2, a(1) = 2, a(2) = 1\}$$

Sequence: A276482
Score: 6.98806
Type of gen. func.: ogf

$$\{(5 n^2 + 16 n + 12) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A276489
Score: 23.5600
Type of gen. func.: lgdegf]

$$\frac{40}{-25 x + 1}$$

Sequence: A276489
Score: 7.60001
Type of gen. func.: ogf

$$\{(-25 n - 65) a(n + 1) + a(n + 2), a(0) = 15, a(1) = 600\}$$

Sequence: A276491
Score: 14.8334
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4 x^{9} + 2 x^{7} + 2 x^{5} + 2 x^{3} + 2 x}{-x^{10} + 1}$$

Sequence: A276502
Score: 31.4687
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{17} + x^{8} + 1$$

Sequence: A276502
Score: 5.87640
Type of gen. func.: ogf

$$-(x^{89} + x^{88} + x^{87} + x^{86} + x^{85} + x^{84} + x^{83} + x^{82} + x^{81} - 4 x^{10} + 2 x^{9} - 4 x + 2) / (2 x^{90} - x^{81} - 4 x^{2} + 6 x - 2)$$

Sequence: A276506

Score: 30.7062
Type of gen. func.: lgdegf]

$$9 \exp(x)$$

Sequence: A276507
Score: 27.2066
Type of gen. func.: lgdegf]

$$10 \exp(x)$$

Sequence: A276508
Score: 14.6900
Type of gen. func.: ogf

$$\frac{x (3 x - 2)}{(5 x - 1) (x^2 - x + 1)}$$

Sequence: A276508
Score: 7.54352
Type of gen. func.: ogf

$$-(9 f(x) + 4) (5 f(x) x^3 - 6 f(x) x^2 + 6 f(x) x - 3 x^2 - f(x) + 2 x)$$

Sequence: A276508
Score: 7.54353
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 6 a(n + 1) - 5 a(n), a(0) = 0, a(1) = 2, a(2) = 9\}$$

Sequence: A276508
Score: 9.62451
Type of gen. func.: lgdogf

$$-\frac{30 x^3 - 48 x^2 + 24 x - 9}{15 x^4 - 28 x^3 + 30 x^2 - 15 x + 2}$$

Sequence: A276509
Score: 10.7827
Type of gen. func.: lgdogf

$$-\frac{250 x^2 + 40 x - 47}{250 x^3 - 255 x^2 + 3 x + 2}$$

Sequence: A276509
Score: 16.1740
Type of gen. func.: ogf

$$\frac{25 x + 2}{(10 x - 1) (x - 1)}$$

Sequence: A276509
Score: 8.34788
Type of gen. func.: ogf

$$(477 f(x) + 1255) (10 f(x) x^2 - 11 f(x) x + f(x) - 25 x - 2)$$

Sequence: A276509
Score: 9.13356
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 2, a(1) = 47\}$$

Sequence: A276529
Score: 7.49766
Type of gen. func.: ogf

$$-\frac{2 x^9 + 3 x^8 + 4 x^7 + 5 x^6 + 6 x^5 - x^4 - x^3 - x^2 - x - 1}{x^{10} - 7 x^5 + 1}$$

Sequence: A276532
Score: 14.6013
Type of gen. func.: ogf

$$-(f(x)\,x - f(x) + 1)^{3}$$

Sequence: A276534
Score: 12.6007
Type of gen. func.: ogf

$$-(f(x)\,x - f(x) + 1)^{3}$$

Sequence: A276535
Score: 7.38319
Type of gen. func.: ogf

$$-(2\,f(x)\,x + f(x) - 3\,x - 1)\,(f(x)\,x - f(x) + 1)^{2}$$

Sequence: A276551
Score: 22.4532
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{2}{-x^{2} + 2\,x - 1}$$

Sequence: A276552
Score: 22.8040
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{3}{-x^{2} + 2\,x - 1}$$

Sequence: A276598
Score: 12.2231
Type of gen. func.: ogf

$$-f(x)\,x^{2} + 6\,f(x)\,x - f(x) + 5\,x$$

Sequence: A276598
Score: 15.0242
Type of gen. func.: lgdogf

$$-\frac{2x-6}{x^2-6x+1}$$

Sequence: A276598
Score: 19.4909
Type of gen. func.: ogf

$$\frac{5x}{x^2-6x+1}$$

Sequence: A276598
Score: 8.90325
Type of gen. func.: ogf

$$\{a(n+2)-6a(n+1)+a(n), a(0)=0, a(1)=5\}$$

Sequence: A276599
Score: 11.6164
Type of gen. func.: ogf

$$\frac{(x+1)(x^2+3x+1)}{(x^2+2x-1)(x^2-2x-1)}$$

Sequence: A276599
Score: 7.12326
Type of gen. func.: ogf

$$(1640 f(x)+201)(f(x)x^4-6f(x)x^2-x^3-4x^2+f(x)-4x-1)$$

Sequence: A276600
Score: 10.2386
Type of gen. func.: ogf

$$\frac{x (2 x^4 + 3 x^3 + 7 x^2 + 3 x + 2)}{x^6 - 6 x^3 + 1}$$

Sequence: A276601
Score: 11.7734
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 5 x + 1)}{(x^2 + 2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A276601
Score: 7.08583
Type of gen. func.: ogf

$$(20440 f(x) + 6421) (f(x) x^4 - 6 f(x) x^2 - x^3 - 6 x^2 + f(x) - 6 x - 1)$$

Sequence: A276602
Score: 12.4888
Type of gen. func.: ogf

$$-f(x) x^2 + 6 f(x) x - f(x) + 9 x$$

Sequence: A276602
Score: 15.3508
Type of gen. func.: lgdogf

$$- \frac{2 x - 6}{x^2 - 6 x + 1}$$

Sequence: A276602
Score: 19.9146
Type of gen. func.: ogf

$$9 x$$

$$\frac{}{x^{2} - 6 x + 1}$$

Sequence: A276602
Score: 9.09679
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + a(n), a(0) = 0, a(1) = 9\}$$

Sequence: A276643
Score: 22.6956
Type of gen. func.: ogf_with_Euler_transform]

$$-4 x^{9} + 4$$

Sequence: A276644
Score: 5.18724
Type of gen. func.: ogf

$$(14851 f(x) + 1001) (100 f(x) x^{4} - 330 f(x) x^{3} + 272 f(x) x^{2} - 10 x^{3} - 33 f(x) x + 11 x^{2} + f(x) - x)$$

Sequence: A276644
Score: 9.42559
Type of gen. func.: ogf

$$\frac{x (10 x - 1) (x - 1)}{(10 x^{2} - 21 x + 1) (10 x^{2} - 12 x + 1)}$$

Sequence: A276647
Score: 8.86918
Type of gen. func.: ogf

$$\frac{(2 x^{2} - 2 x + 1) (x + 1)^{2}}{(2 x^{2} - 1) (x - 1)^{3}}$$

Sequence: A276658
Score: 10.9837
Type of gen. func.: ogf

$$\frac{3 x^2 - x - 1}{x^3 + x^2 + x - 1}$$

Sequence: A276658
Score: 5.72657
Type of gen. func.: ogf

$$-(f(x) + 170) (f(x) x^3 + f(x) x^2 + f(x) x - 3 x^2 - f(x) + x + 1)$$

Sequence: A276658
Score: 6.03611
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 0\}$$

Sequence: A276658
Score: 7.28270
Type of gen. func.: lgdogf

$$- \frac{-3 x^4 + 2 x^3 + 7 x^2 - 4 x + 2}{-3 x^5 - 2 x^4 - x^3 + 5 x^2 - 1}$$

Sequence: A276659
Score: 10.3020
Type of gen. func.: ogf

$$\frac{x (3 x - 2)}{(2 x - 1)^2 (x - 1)^3}$$

Sequence: A276659
Score: 11.5140
Type of gen. func.: lgdogf

$$-\frac{-24 x^2 + 32 x - 11}{-6 x^3 + 13 x^2 - 9 x + 2}$$

Sequence: A276659
Score: 3.89527
Type of gen. func.: ogf

$$\{(6 + 2 n) a(n + 4) + (-29 - 9 n) a(n + 3) + (45 + 13 n) a(n + 2) + (-24 - 6 n) a(n + 1), a(0) = 0, a(1) = 2, a(2) = 11, a(3) = 39\}$$

Sequence: A276666
Score: 4.26628
Type of gen. func.: ogf

$$\{(24 n^2 + 84 n + 72) a(n + 1) + (-10 n^2 - 50 n - 60) a(n + 2) + (n^2 + 7 n + 12) a(n + 3), a(0) = -1, a(1) = 0, a(2) = 2\}$$

Sequence: A276666
Score: 8.43880
Type of gen. func.: revogf

$$-\frac{2 x^2}{9} - \frac{4 x}{9} + 1/9 - \frac{(4 x^4 + 16 x^3 + 21 x^2 + 10 x + 1)^{1/2}}{9}$$

Sequence: A276666
Score: 9.48062
Type of gen. func.: ogf

$$4 f(x)^2 x^2 - f(x)^2 x + 8 f(x) x - 2 f(x) + 9 x - 2$$

Sequence: A276670
Score: 4.55939

Type of gen. func.: ogf

$$3 x^2 (x^{12} + 2 x^{11} + 5 x^{10} + 10 x^9 + 31 x^8 + 20 x^7 + 22 x^6 + 20 x^5 + 31 x^4 + 10 x^3 + 5 x^2 + 2 x + 1) / ((x - 1)^4 (x + 1)^4 (x^2 + 1)^4)$$

Sequence: A276677
Score: 5.65105
Type of gen. func.: ogf

$$(f(x) - 1)$$

$$(2 f(x) x^4 - 4 f(x) x^3 + 2 x^4 + f(x) x^2 + 2 x^3 + 2 f(x) x - x^2 - f(x) + 1)$$

Sequence: A276677
Score: 7.88909
Type of gen. func.: lgdogf

$$- \frac{-12 x^4 + 8 x^3 - 2 x^2 + 2}{-4 x^6 + 4 x^5 + 4 x^4 - 6 x^3 + x^2 + 2 x - 1}$$

Sequence: A276677
Score: 9.83701
Type of gen. func.: ogf

$$- \frac{(2 x^2 - 2 x + 1) (x + 1)^2}{(2 x^2 - 1) (x - 1)^2}$$

Sequence: A276704
Score: 10.4645
Type of gen. func.: ogf

$$\frac{x^5 + 5 x^4 - 15 x^3 + 4 x - 3}{(x - 1)^3}$$

Sequence: A276705
Score: 5.57367
Type of gen. func.: ogf

$$\frac{13 x^{10} + x^{9} - 27 x^{8} - 15 x^{7} - 35 x^{6} - 10 x^{5} - x^{4} + x^{3} + 6 x^{2} - x - 4}{(x + 1)^{2} (x - 1)^{3}}$$

Sequence: A276706
Score: 9.58558
Type of gen. func.: ogf

$$\frac{3 x^{8} + x^{7} - x^{4} + x^{2} + x + 1}{(x + 1) (x - 1)^{2}}$$

Sequence: A276720
Score: 9.03429
Type of gen. func.: ogf

$$- \frac{(x - 1) (x + 1)}{x^{8} + 3 x^{7} - 5 x^{5} - 5 x^{4} - x^{3} - 2 x^{2} - x + 1}$$

Sequence: A276764
Score: 8.59326
Type of gen. func.: ogf

$$- \frac{2 (2 x^{4} + 3 x^{3} + 17 x^{2} + 5 x + 5)}{(x + 1)^{2} (x - 1)^{3}}$$

Sequence: A276785
Score: 13.1270
Type of gen. func.: ogf

$$\frac{x^{5}}{(2 x - 1) (x^{5} + x^{4} - x^{3} + 2 x - 1)}$$

Sequence: A276785
Score: 7.94526
Type of gen. func.: lgdogf

$$-\frac{12x^5+5x^4-12x^3+3x^2+8x-4}{2x^6+x^5-3x^4+x^3+4x^2-4x+1}$$

Sequence: A276819
Score: 15.7718
Type of gen. func.: lgdogf

$$-\frac{-6x^2-16x-5}{-6x^3+4x^2+x+1}$$

Sequence: A276819
Score: 16.8061
Type of gen. func.: ogf

$$-\frac{6x^2+2x+1}{(x-1)^3}$$

Sequence: A276819
Score: 8.61486
Type of gen. func.: ogf

$$(33777 f(x) - 88585) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 6 x^2 - f(x) + 2 x + 1)$$

Sequence: A276819
Score: 9.07230
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 5, a(2) = 18\}$$

Sequence: A276838
Score: 7.84358
Type of gen. func.: ogf

$$-\frac{(x-1)(x+1)}{x^8+5x^7+2x^6-8x^5-12x^4-2x^3-2x^2-x+1}$$

Sequence: A276847
Score: 6.73073
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4x^{11}-x^9-2x^7-2x^5-2x^3-x}{x^{12}-1}$$

Sequence: A276849
Score: 11.8908
Type of gen. func.: lgdogf

$$-\frac{8x^2-10x-2}{8x^3+11x^2-18x+5}$$

Sequence: A276849
Score: 17.7041
Type of gen. func.: ogf

$$\frac{8x-5}{x^2+2x-1}$$

Sequence: A276849
Score: 8.85206
Type of gen. func.: ogf

$$(425 f(x) - 2109) (f(x) x^2 + 2 f(x) x - f(x) - 8 x + 5)$$

Sequence: A276849
Score: 9.71568
Type of gen. func.: ogf

$$\{-a(n+2) + 2\, a(n+1) + a(n),\ a(0) = 5,\ a(1) = 2\}$$

Sequence: A276877
Score: 7.58768
Type of gen. func.: ogf

$$\frac{2 x^8 + 3 x^7 + 3 x^6 + 3 x^5 + 3 x^4 + 3 x^3 + 3 x^2 + x + 1}{(x^4 + 1) (x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A276914
Score: 8.32849
Type of gen. func.: lgdogf

$$- \frac{-6 x^4 - 12 x^3 - 48 x^2 - 20 x - 10}{-3 x^5 - 3 x^4 - 6 x^3 + 2 x^2 + 9 x + 1}$$

Sequence: A276914
Score: 9.35785
Type of gen. func.: ogf

$$- \frac{x (3 x^3 + 3 x^2 + 9 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A276915
Score: 11.5767
Type of gen. func.: ogf

$$- \frac{x (3 x - 1)}{(x + 1) (x^2 - 14 x + 1)}$$

Sequence: A276915
Score: 5.88816
Type of gen. func.: ogf

$$(24896 f(x) - 5461) (f(x) x^3 - 13 f(x) x^2 - 13 f(x) x + 3 x^2 + f(x) - x)$$

Sequence: A276915
Score: 5.99146
Type of gen. func.: ogf

$$\{a(n + 3) - 13 a(n + 2) - 13 a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 10\}$$

Sequence: A276915
Score: 7.94216
Type of gen. func.: lgdogf

$$- \frac{-6 x^3 + 42 x^2 - 26 x - 10}{-3 x^4 + 40 x^3 + 26 x^2 - 16 x + 1}$$

Sequence: A276916
Score: 8.68395
Type of gen. func.: ogf

$$- \frac{13 x^4 + 12 x^3 + 34 x^2 + 4 x + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A276917
Score: 7.72605
Type of gen. func.: ogf

$$- \frac{6 x^5 - 6 x^4 + 15 x^3 - 4 x - 1}{(3 x^2 - 1) (2 x^2 - 1) (x - 1)^2}$$

Sequence: A276918
Score: 11.6550
Type of gen. func.: ogf

$$-\frac{4 x^3 - 6 x^2 + 2 x + 1}{(2 x - 1) (x - 1) (2 x^2 - 1)}$$

Sequence: A276918
Score: 6.53818
Type of gen. func.: ogf

(445 f(x) + 262)

$$(4 f(x) x^4 - 6 f(x) x^3 + 4 x^3 + 3 f(x) x - 6 x^2 - f(x) + 2 x + 1)$$

Sequence: A276924
Score: 12.7525
Type of gen. func.: egf]

$$-\frac{24}{x^4 + 4 x^3 + 12 x^2 + 24 x - 24}$$

Sequence: A276924
Score: 5.58582
Type of gen. func.: egf]

$$(5 f(x) - 2) (f(x) x^4 + 4 f(x) x^3 + 12 f(x) x^2 + 24 f(x) x - 24 f(x) + 24)$$

Sequence: A276924
Score: 7.85910
Type of gen. func.: lgdegf]

$$-\frac{-4 x^3 - 12 x^2 - 24 x - 24}{-x^4 - 4 x^3 - 12 x^2 - 24 x + 24}$$

Sequence: A276925
Score: 10.3982
Type of gen. func.: egf]

$$-\frac{120}{x^5 + 5 x^4 + 20 x^3 + 60 x^2 + 120 x - 120}$$

Sequence: A276925
Score: 6.25818
Type of gen. func.: lgdegf]

$$-\frac{5 x^4 + 20 x^3 + 60 x^2 + 120 x + 120}{x^5 + 5 x^4 + 20 x^3 + 60 x^2 + 120 x - 120}$$

Sequence: A276926
Score: 8.89320
Type of gen. func.: egf]

$$-\frac{720}{x^6 + 6 x^5 + 30 x^4 + 120 x^3 + 360 x^2 + 720 x - 720}$$

Sequence: A276927
Score: 7.50981
Type of gen. func.: egf]

$$-\frac{5040}{x^7 + 7 x^6 + 42 x^5 + 210 x^4 + 840 x^3 + 2520 x^2 + 5040 x - 5040}$$

Sequence: A276928
Score: 6.37625
Type of gen. func.: egf]

$$- 40320/(x^8 + 8 x^7 + 56 x^6 + 336 x^5 + 1680 x^4 + 6720 x^3 + 20160 x^2 + 40320 x - 40320)$$

Sequence: A276929
Score: 5.49498

Type of gen. func.: egf]

$$- 362880/(x^{9} + 9 x^{8} + 72 x^{7} + 504 x^{6} + 3024 x^{5} + 15120 x^{4} + 60480 x^{3} + 181440 x^{2} + 362880 x - 362880)$$

Sequence: A276930
Score: 4.72645
Type of gen. func.: egf]

$$- 3628800/(x^{10} + 10 x^{9} + 90 x^{8} + 720 x^{7} + 5040 x^{6} + 30240 x^{5} + 151200 x^{4} + 604800 x^{3} + 1814400 x^{2} + 3628800 x - 3628800)$$

Sequence: A277044
Score: 6.82531
Type of gen. func.: ogf

$$- \frac{8 x^{3} (3 x^{4} + 8 x^{3} + 7 x^{2} + 10 x + 2)}{(x + 1)^{4} (x - 1)^{5}}$$

Sequence: A277044
Score: 7.84911
Type of gen. func.: lgdogf

$$- \frac{-15 x^{5} - 51 x^{4} - 69 x^{3} - 111 x^{2} - 42 x - 12}{-3 x^{6} - 8 x^{5} - 4 x^{4} - 2 x^{3} + 5 x^{2} + 10 x + 2}$$

Sequence: A277054
Score: 8.24695
Type of gen. func.: ogf

$$\frac{3 (339558 x^{4} + 2703776 x^{3} + 27967654 x^{2} + 310110570 x - 341152263)}{x - 1}$$

Sequence: A277057
Score: 8.43450
Type of gen. func.: ogf

$$\frac{3\,(66558\,x^4 + 300803\,x^3 + 3370627\,x^2 + 37410570\,x - 41152263)}{x - 1}$$

Sequence: A277082
Score: 12.1742
Type of gen. func.: ogf

$$-\frac{x\,(x^2 + 11\,x + 1)}{(x + 1)^2\,(x - 1)^3}$$

Sequence: A277082
Score: 12.9648
Type of gen. func.: lgdogf

$$-\frac{-3\,x^3 - 45\,x^2 - 18\,x - 12}{-x^4 - 11\,x^3 + 11\,x + 1}$$

Sequence: A277088
Score: 5.69656
Type of gen. func.: ogf

$$-\frac{2\,x^8 + x^7 + 3\,x^6 - x^5 + 2\,x^3 - 3\,x^2 + 3\,x - 5}{(x - 1)\,(x^8 + x^7 + 2\,x^6 + x^5 + x^4 + 2\,x^3 + 2\,x - 1)}$$

Sequence: A277089
Score: 7.22888
Type of gen. func.: ogf

$$-\frac{5\,x^6 - 3\,x^5 - x^4 + 2\,x^3 + x^2 + 3\,x - 6}{(x - 1)\,(2\,x^6 + x^3 + x^2 + 2\,x - 1)}$$

Sequence: A277090
Score: 45.1780
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{1}{-x^{8} + 1}$$

Sequence: A277091
Score: 13.5754
Type of gen. func.: ogf

$$-14 f(x) x^{2} - 2 f(x) x + f(x) - 2 x$$

Sequence: A277091
Score: 16.2905
Type of gen. func.: lgdogf

$$- \frac{-28 x - 2}{-14 x^{2} - 2 x + 1}$$

Sequence: A277091
Score: 21.4349
Type of gen. func.: ogf

$$- \frac{2 x}{14 x^{2} + 2 x - 1}$$

Sequence: A277091
Score: 9.93323
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 14 a(n), a(0) = 0, a(1) = 2\}$$

Sequence: A277093
Score: 8.24997

Type of gen. func.: ogf

$$\frac{6 x^7 + 6 x^6 + 6 x^5 + 7 x^4 + 6 x^3 + 6 x^2 + 6 x + 1}{(x^4 + 1) (x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A277096
Score: 7.49995
Type of gen. func.: ogf

$$\frac{3 x^8 + 6 x^7 + 6 x^6 + 6 x^5 + x^4 + 6 x^3 + 6 x^2 + 6 x + 4}{(x^4 + 1) (x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A277104
Score: 11.5514
Type of gen. func.: lgdogf

$$- \frac{-9 x^2 - 12 x + 11}{-9 x^3 + 6 x^2 + 5 x - 2}$$

Sequence: A277104
Score: 16.2212
Type of gen. func.: ogf

$$\frac{6 (3 x + 2)}{(3 x - 1) (x - 1)}$$

Sequence: A277104
Score: 8.47105
Type of gen. func.: ogf

$$(16 f(x) + 171) (3 f(x) x^2 - 4 f(x) x + f(x) - 18 x - 12)$$

Sequence: A277104
Score: 9.07613
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 3 a(n), a(0) = 12, a(1) = 66\}$$

Sequence: A277105
Score: 10.7829
Type of gen. func.: ogf

$$(17 f(x) + 297) (3 f(x) x^2 - 4 f(x) x + f(x) - 54 x - 9)$$

Sequence: A277105
Score: 11.5624
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 3 a(n), a(0) = 9, a(1) = 90\}$$

Sequence: A277105
Score: 14.1129
Type of gen. func.: lgdogf

$$- \frac{18 x^2 + 6 x - 10}{18 x^3 - 21 x^2 + 2 x + 1}$$

Sequence: A277105
Score: 20.8626
Type of gen. func.: ogf

$$\frac{9 (6 x + 1)}{(3 x - 1) (x - 1)}$$

Sequence: A277106
Score: 10.9643
Type of gen. func.: lgdogf

$$- \frac{3 x^2 + 6 x - 5}{3 x^3 - x^2 - 3 x + 1}$$

Sequence: A277106
Score: 14.9301
Type of gen. func.: ogf

$$\frac{12 (x + 1)}{(3 x - 1) (x - 1)}$$

Sequence: A277106
Score: 7.62734
Type of gen. func.: ogf

$$(107 f(x) + 2466) (3 f(x) x^2 - 4 f(x) x + f(x) - 12 x - 12)$$

Sequence: A277106
Score: 8.35376
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 3 a(n), a(0) = 12, a(1) = 60\}$$

Sequence: A277107
Score: 11.9635
Type of gen. func.: ogf

$$-3 f(x) x^2 + 4 f(x) x - f(x) + 96 x$$

Sequence: A277107
Score: 14.9544
Type of gen. func.: lgdogf

$$- \frac{6 x - 4}{3 x^2 - 4 x + 1}$$

Sequence: A277107
Score: 18.8897
Type of gen. func.: ogf

$$96 x$$

$$\frac{\quad}{(3 x - 1) (x - 1)}$$

Sequence: A277107
Score: 8.75378
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + 3 a(n), a(0) = 0, a(1) = 96\}$$

Sequence: A277108
Score: 12.5422
Type of gen. func.: ogf

$$\frac{8 (2 x - 3)}{(x - 1)^3}$$

Sequence: A277108
Score: 14.3713
Type of gen. func.: lgdogf

$$- \frac{-4 x + 7}{-2 x^2 + 5 x - 3}$$

Sequence: A277108
Score: 5.99844
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 24, a(1) = 56, a(2) = 96\}$$

Sequence: A277108
Score: 6.32863
Type of gen. func.: ogf

$$(61 f(x) - 4344) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) - 16 x + 24)$$

Sequence: A277113
Score: 11.5688

Type of gen. func.: ogf

$$\frac{35 x^3 + 34 x^2 + 34 x + 34}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A277131
Score: 5.34797
Type of gen. func.: ogf

$$(27520 f(x) + 1613883) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 13 x^3 - 4 f(x) x - 41 x^2 + f(x) + 53 x - 45)$$

Sequence: A277131
Score: 8.97272
Type of gen. func.: lgdogf

$$- \frac{-13 x^3 + 43 x^2 - 77 x + 127}{-13 x^4 + 54 x^3 - 94 x^2 + 98 x - 45}$$

Sequence: A277131
Score: 9.96969
Type of gen. func.: ogf

$$- \frac{13 x^3 - 41 x^2 + 53 x - 45}{(x - 1)^4}$$

Sequence: A277136
Score: 7.49995
Type of gen. func.: ogf

$$\frac{x^8 + 6 x^7 + 7 x^6 + 6 x^5 + 6 x^4 + 6 x^3 + x^2 + 6 x + 5}{(x^4 + 1) (x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A277139
Score: 7.64447
Type of gen. func.: ogf

$$\frac{4x^{8}+6x^{7}+x^{6}+6x^{5}+6x^{4}+6x^{3}+7x^{2}+6x+2}{(x^{4}+1)(x+1)(x^{2}+1)(x-1)^{2}}$$

Sequence: A277155
Score: 9.57499
Type of gen. func.: ogf

$$-\frac{x^{10}(x^{8}-x^{4}+1)(x^{4}+1)^{2}}{(x-1)(x^{2}+x+1)(x^{6}+x^{3}+1)(x^{18}+x^{9}+1)}$$

Sequence: A277156
Score: 12.6132
Type of gen. func.: ogf

$$-x^{11}(x+1)(x^{4}-x^{3}+x^{2}-x+1) \Big/ ((x-1)(x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1))$$

Sequence: A277157
Score: 12.4291
Type of gen. func.: ogf

$$-x^{12}(x^{2}+1)(x^{4}-x^{2}+1) \Big/ ((x-1)(x^{18}+x^{17}+x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1))$$

Sequence: A277176
Score: 4.14563
Type of gen. func.: ogf

$\{(4n^{2}+18n+20)\,a(n+1)+(-n^{2}-11n-22)\,a(n+2)+(n+4)\,a(n+3),$

a(0) = 1, a(1) = 2, a(2) = 6}

Sequence: A277178
Score: 17.2191
Type of gen. func.: lgdogf

$$-\frac{10 x - 7}{4 x^2 - 5 x + 1}$$

Sequence: A277178
Score: 5.58765
Type of gen. func.: ogf

{(n + 2) a(n + 3) + (-12 - 5 n) a(n + 2) + (10 + 4 n) a(n + 1), a(0) = 0,

a(1) = 1, a(2) = 7}

Sequence: A277209
Score: 7.40110
Type of gen. func.: ogf

$$-\frac{x (9 x^8 + 8 x^7 + 7 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1)}{(10 x^9 - 1) (x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A277210
Score: 33.6564
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^3}{x^3 - 1}$$

Sequence: A277221
Score: 3.41728
Type of gen. func.: ogf

$\{(4 n^2 + 18 n + 20) a(n + 1) + (-13 n^2 - 59 n - 64) a(n + 2)$

$$+ (7 n^2 + 33 n + 32) a(n + 3) + (-n^2 - 5 n - 4) a(n + 4), a(0) = 1,$$

$$a(1) = 1, a(2) = 2, a(3) = 6\}$$

Sequence: A277226
Score: 4.26525
Type of gen. func.: ogf

$$- \frac{x^8 + 28 x^7 + 272 x^6 + 804 x^5 + 1150 x^4 + 804 x^3 + 272 x^2 + 28 x + 1}{(x + 1)^3 (x - 1)^9}$$

Sequence: A277228
Score: 11.8908
Type of gen. func.: lgdogf

$$- \frac{4 x^2 + 22 x + 22}{x^3 + 3 x^2 - x - 3}$$

Sequence: A277228
Score: 3.94367
Type of gen. func.: ogf

$$\{(-349 n^2 - 2821 n - 5322) a(n + 1) + (-846 n^2 - 10480 n - 32164) a(n + 2)$$

$$+ (1195 n^2 + 5581 n + 4386) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 3\}$$

Sequence: A277228
Score: 8.17491
Type of gen. func.: ogf

$$\frac{x^2 (x + 3) (x + 1)}{(x - 1)^6}$$

Sequence: A277229

Score: 11.8737
Type of gen. func.: lgdogf

$$-\frac{12 x^2 + 26 x + 10}{3 x^3 + x^2 - 3 x - 1}$$

Sequence: A277229
Score: 3.99769
Type of gen. func.: ogf

{(n + 3) a(n + 4) + (-4 + 3 n) a(n + 3) + (-27 - n) a(n + 2)

+ (-12 - 3 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 10, a(3) = 48}

Sequence: A277229
Score: 8.64718
Type of gen. func.: ogf

$$\frac{x (x + 1) (3 x + 1)}{(x - 1)^6}$$

Sequence: A277236
Score: 11.2635
Type of gen. func.: lgdogf

$$-\frac{10 x^2 + 12 x + 4}{8 x^4 + 14 x^3 + 5 x^2 - 2 x - 1}$$

Sequence: A277236
Score: 15.9389
Type of gen. func.: ogf

$$-\frac{(x + 1) (2 x + 1)}{4 x^2 + x - 1}$$

Sequence: A277236

Score: 8.20157
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 4, a(2) = 10\}$$

Sequence: A277236
Score: 8.53294
Type of gen. func.: ogf

$$-(5 + 123 f(x)) (4 f(x) x^2 + f(x) x + 2 x^2 - f(x) + 3 x + 1)$$

Sequence: A277237
Score: 10.5616
Type of gen. func.: lgdogf

$$- \frac{-15 x^2 - 18 x - 6}{-20 x^4 - 25 x^3 - 4 x^2 + 4 x + 1}$$

Sequence: A277237
Score: 15.1450
Type of gen. func.: ogf

$$- \frac{5 x^2 + 5 x + 1}{4 x^2 + x - 1}$$

Sequence: A277237
Score: 7.79304
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 6, a(2) = 15\}$$

Sequence: A277237
Score: 8.19064
Type of gen. func.: ogf

$$-(3 f(x) - 11) (4 f(x) x^2 + f(x) x + 5 x^2 - f(x) + 5 x + 1)$$

Sequence: A277252
Score: 13.8752
Type of gen. func.: ogf

$$\frac{x (x^2 - x - 1)}{(x + 1) (x^3 + x - 1)}$$

Sequence: A277252
Score: 8.04528
Type of gen. func.: ogf

$$-(4 f(x) - 7) (f(x) x^4 + f(x) x^3 + f(x) x^2 - x^3 + x^2 - f(x) + x)$$

Sequence: A277252
Score: 9.57388
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 2 x^4 - 6 x^3 - 4 x^2 - 1}{x^6 - x^4 - 2 x^3 - 2 x^2 + x + 1}$$

Sequence: A277253
Score: 11.9224
Type of gen. func.: lgdogf

$$-\frac{-x^6 + 2 x^5 + 2 x^4 - 4 x^3 - 6 x^2}{-x^7 - 2 x^2 + 1}$$

Sequence: A277253
Score: 14.5142
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 + 1}{(x + 1) (x^3 + x - 1)}$$

Sequence: A277253
Score: 8.27668
Type of gen. func.: ogf

$$-(9 f(x) + 247) (f(x) x^4 + f(x) x^3 + f(x) x^2 + x^3 - x^2 - f(x) + 1)$$

Sequence: A277264
Score: 32.5152
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^5}{x^5 - 1}$$

Sequence: A277277
Score: 8.59435
Type of gen. func.: ogf

$$-\frac{2 x^9 + 6 x^8 + 8 x^7 + 6 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1}{x^4 + x^2 - 1}$$

Sequence: A277287
Score: 5.01766
Type of gen. func.: ogf

$$-4 f(x)^2 x^3 - 15 f(x)^2 x^2 + 8 f(x)^2 x - 4 f(x) x^2 - f(x)^2 - 3 f(x) x - x^2 + f(x) - 2 x$$

Sequence: A277345
Score: 3.89369
Type of gen. func.: ogf

$$\{(n + 2) a(n + 1) + (n + 2) a(n + 2) + (-n - 5) a(n + 3) + a(n + 4), a(0) = 2, a(1) = 3, a(2) = 9, a(3) = 31\}$$

Sequence: A277347
Score: 7.71905
Type of gen. func.: ogf

$$\{(2 n^2 + 10 n + 13) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 5\}$$

Sequence: A277349
Score: 29.5847
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^6}{x^6 - 1}$$

Sequence: A277352
Score: 6.38273
Type of gen. func.: ogf

$$\{(2 n^2 + 8 n + 9) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A277353
Score: 6.79002
Type of gen. func.: ogf

$$\{(3 n^2 + 12 n + 13) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A277354
Score: 6.07930
Type of gen. func.: ogf

$$\{(4 n^2 + 16 n + 17) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 5\}$$

Sequence: A277358
Score: 17.2254
Type of gen. func.: lgdegf]

$$-\frac{-2 - x}{-2 x + 1}$$

Sequence: A277358
Score: 5.14193
Type of gen. func.: ogf

$\{(-2 - n) a(n + 1) + (-2 n - 6) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 2, a(2) = 9\}$

Sequence: A277360
Score: 3.92518
Type of gen. func.: ogf

$\{(-4 n^2 - 18 n - 18) a(n + 1) + (16 n^2 + 92 n + 131) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 9, a(2) = 491\}$

Sequence: A277361
Score: 6.37566
Type of gen. func.: ogf

$$\frac{x^2 (x^4 - 4 x^3 + 5 x^2 - 2 x + 1)}{(x^2 + x - 1)^4}$$

Sequence: A277361
Score: 7.37923
Type of gen. func.: lgdogf

$$-\frac{-4 x^5 + 20 x^4 - 30 x^3 + 16 x^2 - 12 x - 2}{-x^6 + 3 x^5 - 7 x^3 + 6 x^2 - 3 x + 1}$$

Sequence: A277369
Score: 10.2182
Type of gen. func.: ogf

$\{-a(n + 2) + 2 a(n + 1) + a(n), a(0) = 5, a(1) = 8\}$

Sequence: A277369
Score: 12.6954
Type of gen. func.: lgdogf

$$-\frac{2 x^2 - 10 x - 8}{2 x^3 - x^2 - 12 x + 5}$$

Sequence: A277369
Score: 18.6199
Type of gen. func.: ogf

$$\frac{2 x - 5}{x^2 + 2 x - 1}$$

Sequence: A277369
Score: 9.20761
Type of gen. func.: ogf

$$-(13 f(x) - 33) (f(x) x^2 + 2 f(x) x - f(x) - 2 x + 5)$$

Sequence: A277378
Score: 11.2267
Type of gen. func.: lgdegf]

$$-\frac{x^2 - 3 x - 2}{x^3 - x^2 - x + 1}$$

Sequence: A277378
Score: 3.45436
Type of gen. func.: ogf

$$\{(n^3 + 7 n^2 + 16 n + 12) a(n + 1) + (-n^2 - 8 n - 15) a(n + 2)$$
$$+ (-n - 5) a(n + 3) + a(n + 4), a(0) = 1, a(1) = 2, a(2) = 9, a(3) = 50\}$$

Sequence: A277379
Score: 10.5004
Type of gen. func.: lgdegf]

$$-\frac{-x^3+x^2+x+1}{-x^4+2x^2-1}$$

Sequence: A277379
Score: 3.27537
Type of gen. func.: egf]

$$\{(n+5)\,a(n+5)-a(n+4)+(-7-2n)\,a(n+3)-a(n+2)+(n+2)\,a(n+1),\ a(0)=1,\ a(1)=1,\ a(2)=1,\ a(3)=5/3,\ a(4)=5/3\}$$

Sequence: A277381
Score: 22.2168
Type of gen. func.: lgdegf]

$$-2x+2\exp(2x)$$

Sequence: A277382
Score: 14.5418
Type of gen. func.: lgdegf]

$$-\frac{-x+4}{-x^2+2x-1}$$

Sequence: A277382
Score: 4.88115
Type of gen. func.: ogf

$$\{(-n^2-4n-4)\,a(n+1)+(2n+8)\,a(n+2)-a(n+3),\ a(0)=1,\ a(1)=4,\ a(2)=23\}$$

Sequence: A277385
Score: 10.7401
Type of gen. func.: lgdogf

$$-\frac{-7 x^2 - 2 x + 33}{-6 x^4 + 17 x^3 - 23 x^2 + 27 x - 15}$$

Sequence: A277385
Score: 11.4859
Type of gen. func.: ogf

$$\frac{6 x^3 - 11 x^2 + 12 x - 15}{(x - 1)^3}$$

Sequence: A277385
Score: 6.03639
Type of gen. func.: ogf

$\{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 15, a(1) = 33, a(2) = 65,$

$a(3) = 105\}$

Sequence: A277385
Score: 6.51171
Type of gen. func.: ogf

$(159 f(x) - 7895)$

$(f(x) x^3 - 3 f(x) x^2 - 6 x^3 + 3 f(x) x + 11 x^2 - f(x) - 12 x + 15)$

Sequence: A277387
Score: 8.18343
Type of gen. func.: ogf

$$-\frac{3 x^4 + 26 x^3 + 40 x^2 + 10 x + 1}{(x - 1)^7}$$

Sequence: A277387
Score: 8.95545
Type of gen. func.: lgdogf

$$-\frac{9x^4+116x^3+278x^2+140x+17}{3x^5+23x^4+14x^3-30x^2-9x-1}$$

Sequence: A277388
Score: 7.90391
Type of gen. func.: ogf

$$-\frac{x^4+10x^3+40x^2+26x+3}{(x-1)^7}$$

Sequence: A277388
Score: 8.73194
Type of gen. func.: lgdogf

$$-\frac{3x^4+44x^3+230x^2+236x+47}{x^5+9x^4+30x^3-14x^2-23x-3}$$

Sequence: A277393
Score: 14.1673
Type of gen. func.: lgdegf]

$$-\frac{4x^2-2x+2}{2x-1}$$

Sequence: A277393
Score: 3.56037
Type of gen. func.: ogf

$$\{(-4n^2-20n-24)a(n+1)+(6+2n)a(n+2)+(-2n-8)a(n+3)$$
$$+a(n+4),\ a(0)=1,\ a(1)=2,\ a(2)=6,\ a(3)=36\}$$

Sequence: A277393
Score: 3.84198
Type of gen. func.: egf]

$$\frac{x^{10} - 25 x^{8} + 300 x^{6} - 2100 x^{4} + 8400 x^{2} - 15120}{5 (2 x - 1) (x^{8} + 24 x^{6} + 252 x^{4} + 1344 x^{2} + 3024)}$$

Sequence: A277395
Score: 5.88252
Type of gen. func.: ogf

$$2 f(x)^{2} x^{4} - 6 f(x)^{2} x^{3} + 6 f(x)^{2} x^{2} - 2 f(x)^{2} x - f(x) x + f(x) - 1$$

Sequence: A277402
Score: 4.77435
Type of gen. func.: ogf

$$(6 x^{12} - 13 x^{11} - 29 x^{10} + 6 x^{9} - 18 x^{8} - 6 x^{7} - 18 x^{6} - 6 x^{5} - 18 x^{4} - 6 x^{3} - 12 x^{2} - 5 x - 1) \Big/ ((x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x + 1)^{2} (x - 1)^{3})$$

Sequence: A277411
Score: 17.6959
Type of gen. func.: lgdogf

$$- \frac{-12 x^{2} + 28 x - 13}{-4 x^{3} + 12 x^{2} - 11 x + 3}$$

Sequence: A277411
Score: 18.7849
Type of gen. func.: ogf

$$- \frac{x (2 x - 3)}{}$$

$$(2 x - 1) (x - 1)^3$$

Sequence: A277411
Score: 6.04465
Type of gen. func.: ogf

$$\{(9 + 3 n) a(n + 4) + (-35 - 11 n) a(n + 3) + (40 + 12 n) a(n + 2) + (-12 - 4 n) a(n + 1), a(0) = 0, a(1) = 3, a(2) = 13, a(3) = 38\}$$

Sequence: A277411
Score: 9.18059
Type of gen. func.: ogf

$$(13311 f(x) + 78460) (2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 - 5 f(x) x + 2 x^2 + f(x) - 3 x)$$

Sequence: A277426
Score: 13.7089
Type of gen. func.: ogf

$$\{a(n + 1) - 64 a(n), a(0) = 32\}$$

Sequence: A277426
Score: 17.2158
Type of gen. func.: ogf

$$-64 f(x) x + f(x) - 32$$

Sequence: A277426
Score: 24.6761
Type of gen. func.: lgdogf

$$\frac{64}{-64 x + 1}$$

Sequence: A277426
Score: 27.4179

Type of gen. func.: ogf

$$-\frac{32}{64 x - 1}$$

Sequence: A277431
Score: 4.61772
Type of gen. func.: ogf

$$\{(2 n + 4) a(n + 1) - 2 a(n + 2) + (-4 - n) a(n + 3) + a(n + 4), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 12\}$$

Sequence: A277432
Score: 4.52049
Type of gen. func.: ogf

$$\{(2 n + 4) a(n + 1) - 2 a(n + 2) + (-4 - n) a(n + 3) + a(n + 4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 8\}$$

Sequence: A277450
Score: 4.73453
Type of gen. func.: ogf

$$-(x^{18} - x^{17} + x^{16} + x^{15} + x^{13} + x^{11} + x^{10} + x^{8} + x^{6} + x^{5} + x^{3} + 1) \Big/ \left((x - 1) (x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)\right)$$

Sequence: A277451
Score: 15.6139
Type of gen. func.: ogf

$$-4 f(x) x + f(x) - 26 x - 1$$

Sequence: A277451
Score: 17.9560
Type of gen. func.: lgdogf

$$\frac{30}{-104 x^{2} + 22 x + 1}$$

Sequence: A277451
Score: 18.9010
Type of gen. func.: ogf

$$-\frac{1 + 26 x}{4 x - 1}$$

Sequence: A277451
Score: 9.83889
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 30\}$$

Sequence: A277472
Score: 14.3545
Type of gen. func.: lgdegf]

$$-\frac{-4 x^{2} + 2 x + 2}{2 x - 1}$$

Sequence: A277472
Score: 3.58864
Type of gen. func.: ogf

$$\{(-4 n^{2} - 20 n - 24) a(n + 1) + (6 + 2 n) a(n + 2) + (2 n + 8) a(n + 3)$$

$$- a(n + 4), a(0) = 1, a(1) = 2, a(2) = 10, a(3) = 60\}$$

Sequence: A277472
Score: 3.89276
Type of gen. func.: egf]

$$-\frac{x^{10} + 25 x^{8} + 300 x^{6} + 2100 x^{4} + 8400 x^{2} + 15120}{{}^{8} \qquad {}^{6} \qquad {}^{4} \qquad {}^{2}}$$

$$5 (2 x - 1) (x - 24 x + 252 x - 1344 x + 3024)$$

Sequence: A277491
Score: 10.3949
Type of gen. func.: lgdogf

$$-\frac{-36 x^2 + 72 x - 12}{-36 x^3 + 49 x^2 - 14 x + 1}$$

Sequence: A277491
Score: 15.4817
Type of gen. func.: ogf

$$-\frac{x - 1}{(9 x - 1) (4 x - 1)}$$

Sequence: A277491
Score: 8.36369
Type of gen. func.: ogf

$$(4 f(x) + 5) (36 f(x) x^2 - 13 f(x) x + f(x) + x - 1)$$

Sequence: A277491
Score: 8.56047
Type of gen. func.: ogf

$$\{-a(n + 2) + 13 a(n + 1) - 36 a(n), a(0) = 1, a(1) = 12\}$$

Sequence: A277492
Score: 11.2997
Type of gen. func.: ogf

$$\frac{(7 x - 1) (5 x - 3)}{(9 x - 1) (4 x - 1)}$$

Sequence: A277492

Score: 6.07625
Type of gen. func.: ogf

$$\{a(n + 3) - 13 a(n + 2) + 36 a(n + 1), a(0) = 3, a(1) = 13, a(2) = 96\}$$

Sequence: A277492
Score: 6.1931
Type of gen. func.: ogf

$$-(23 f(x) + 100) (36 f(x) x^2 - 13 f(x) x - 35 x^2 + f(x) + 26 x - 3)$$

Sequence: A277492
Score: 7.48933
Type of gen. func.: lgdogf

$$-\frac{-481 x^2 + 146 x - 13}{1260 x^4 - 1391 x^3 + 481 x^2 - 65 x + 3}$$

Sequence: A277560
Score: 5.31829
Type of gen. func.: ogf

$$\{-a(n + 5) + 101 a(n + 3) - 100 a(n + 1), a(0) = 1, a(1) = 11, a(2) = 0,$$

$$a(3) = 1111, a(4) = 0\}$$

Sequence: A277560
Score: 7.97742
Type of gen. func.: ogf

$$100 f(x) x^4 - 100 x^4 - 101 f(x) x^2 + 101 x^2 + f(x) - 11 x - 1$$

Sequence: A277560
Score: 9.48668
Type of gen. func.: ogf

$$\frac{100 x^4 - 101 x^2 + 11 x + 1}{(x - 1) (10 x + 1) (10 x - 1) (x + 1)}$$

Sequence: A277563
Score: 5.42178
Type of gen. func.: ogf

$$\{(n - 1) a(n + 1) + (n + 3) a(n + 2) - a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 24\}$$

Sequence: A277568
Score: 5.00714
Type of gen. func.: ogf

$$\frac{2 (x + 1) (2 x + 1) (x^{5} + x^{3} + 1) (x^{15} - x^{14} + 1)}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A277588
Score: 4.34589
Type of gen. func.: ogf

$$\frac{(9 x + 1) (x^{2} + 1) (x^{8} + x^{7} + x^{4} + x^{3} + 1) (x^{12} - x^{11} + 1)}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A277592
Score: 16.1147
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{11} + x^{10} + x^{5} - x^{4} - x + 3$$

Sequence: A277592
Score: 5.69461
Type of gen. func.: ogf

$$\frac{5 (x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1)}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A277593
Score: 5.69461
Type of gen. func.: ogf

$$\frac{2(2x+3)(x+1)(x^9+x^7+x^4+x^2+1)}{(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A277594
Score: 5.69461
Type of gen. func.: ogf

$$\frac{(3x+7)(x^{10}+x^9+x^8+x^6+x^5+x^4+x^3+x^2+x+1)}{(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A277595
Score: 5.69461
Type of gen. func.: ogf

$$\frac{2(x+4)(x+1)(x^2-x+1)(x^7+x^6+x^2+x+1)}{(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A277596
Score: 5.69461
Type of gen. func.: ogf

$$\frac{(x+9)(x^2+1)(x^8+x^5+x^4+x+1)}{(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A277600
Score: 5.96457
Type of gen. func.: ogf

$$(2x+3)(x+1)(x^9+x^7+x^4+x^2+1)$$

$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2$$

Sequence: A277601
Score: 5.96457
Type of gen. func.: ogf

$$\frac{(x + 4) (x + 1) (x^2 - x + 1) (x^7 + x^6 + x^2 + x + 1)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A277609
Score: 6.32155
Type of gen. func.: ogf

$$\{(-n + 1) a(n) + (-2 - n) a(n + 1) + a(n + 2), a(0) = 0, a(1) = 0, a(2) = 6\}$$

Sequence: A277618
Score: 14.7578
Type of gen. func.: ogf

$$\frac{x (2 x^4 + 2 x^3 - 3 x^2 + 2 x + 2)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A277619
Score: 5.77226
Type of gen. func.: ogf

$$\frac{x^9 - 3 x^7 + 5 x^5 + 3 x^4 - 2 x^3 - 3 x^2 + x + 1}{(x^2 + x + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A277629
Score: 4.50722
Type of gen. func.: ogf

$$(x^{14} - 4 x^{12} - 2 x^{11} + 3 x^{10} - 4 x^8 - 2 x^7 - 4 x^5 - 3 x^4 + 2 x^3 + 3 x^2 - x - 1)$$

$$/ \left((x^2 + x + 1)(x^4 + x^3 + x^2 + x + 1)(x + 1)^2 (x - 1)^5\right)$$

Sequence: A277636
Score: 5.36898
Type of gen. func.: ogf

$$-\frac{x^6 + 336 x^5 + 4479 x^4 + 9808 x^3 + 4479 x^2 + 336 x + 1}{(x - 1)^7}$$

Sequence: A277637
Score: 4.69773
Type of gen. func.: ogf

$$\{(27 n^2 + 135 n + 168) a(n + 1) + (-28 n^2 - 142 n - 180) a(n + 2)$$
$$+ (n^2 + 7 n + 12) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 34\}$$

Sequence: A277643
Score: 16.8225
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^2 + x + 3}{x^2 - 1}$$

Sequence: A277650
Score: 8.33246
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A277652
Score: 4.20267
Type of gen. func.: ogf

3 2 3 2

$\{(-n - 5 n - 6 n) a(n) + (6 n + 27 n + 35 n + 12) a(n + 1)$

$+ (-n^3 - 4 n^2 - 3 n) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 4\}$

Sequence: A277653
Score: 10.9141
Type of gen. func.: ogf

$$- \frac{x^2 (x - 1)}{2 x^4 - 2 x^2 - 3 x + 1}$$

Sequence: A277653
Score: 6.93500
Type of gen. func.: lgdogf

$$- \frac{-6 x^4 + 8 x^3 + 2 x^2 - 4 x - 2}{-2 x^5 + 2 x^4 + 2 x^3 + x^2 - 4 x + 1}$$

Sequence: A277653
Score: 7.48044
Type of gen. func.: ogf

$$-2 f(x) x^4 + 2 f(x) x^2 - x^3 + 3 f(x) x + x^2 - f(x)$$

Sequence: A277660
Score: 16.3443
Type of gen. func.: lgdogf

$$- \frac{5 x - 15}{x^2 - 6 x + 1}$$

Sequence: A277660
Score: 5.37496
Type of gen. func.: ogf

$\{(n + 1) a(n + 3) + (-15 - 6 n) a(n + 2) + (n + 4) a(n + 1), a(0) = 0, a(1) = 0,$

a(2) = 2}

Sequence: A277661
Score: 5.14436
Type of gen. func.: ogf

$$-f(x)^2 x^4 + 12 f(x)^2 x^3 - 38 f(x)^2 x^2 - 3 f(x) x^3 + 12 f(x)^2 x + 19 f(x) x^2 - f(x)^2 - 9 f(x) x - 2 x^2 + f(x)$$

Sequence: A277661
Score: 9.06894
Type of gen. func.: lgdogf

$$\frac{-\frac{3 x^2 - 12 x + 1}{(x^2 - 6 x + 1)^{1/2}} + 1}{(x^2 - 6 x + 1)^{1/2} x}$$

Sequence: A277667
Score: 15.2012
Type of gen. func.: ogf

$$\frac{1}{x^4 - 2 x^3 + 3 x^2 - 4 x + 1}$$

Sequence: A277667
Score: 7.84062
Type of gen. func.: ogf

$$f(x) x^4 - 2 f(x) x^3 + 3 f(x) x^2 - 4 f(x) x + f(x) - 1$$

Sequence: A277667
Score: 9.31075
Type of gen. func.: lgdogf

$$-\frac{4x^3-6x^2+6x-4}{x^4-2x^3+3x^2-4x+1}$$

Sequence: A277668
Score: 13.9687
Type of gen. func.: ogf

$$-\frac{1}{x^5-2x^4+3x^3-4x^2+5x-1}$$

Sequence: A277668
Score: 7.71190
Type of gen. func.: lgdogf

$$-\frac{-5x^4+8x^3-9x^2+8x-5}{-x^5+2x^4-3x^3+4x^2-5x+1}$$

Sequence: A277669
Score: 11.6366
Type of gen. func.: ogf

$$\frac{1}{x^6-2x^5+3x^4-4x^3+5x^2-6x+1}$$

Sequence: A277669
Score: 6.52048
Type of gen. func.: lgdogf

$$-\frac{-6x^5+10x^4-12x^3+12x^2-10x+6}{-x^6+2x^5-3x^4+4x^3-5x^2+6x-1}$$

Sequence: A277670
Score: 10.8152
Type of gen. func.: ogf

$$-\frac{1}{x^7 - 2x^6 + 3x^5 - 4x^4 + 5x^3 - 6x^2 + 7x - 1}$$

Sequence: A277671
Score: 8.92967
Type of gen. func.: ogf

$$\frac{1}{x^8 - 2x^7 + 3x^6 - 4x^5 + 5x^4 - 6x^3 + 7x^2 - 8x + 1}$$

Sequence: A277672
Score: 7.31981
Type of gen. func.: ogf

$$(-2 + 83 f(x)) (9 f(x) x^2 + 7 f(x) x + x^2 - f(x) + 2 x + 1)^2$$

Sequence: A277672
Score: 8.09485
Type of gen. func.: ogf

$$-\frac{1}{x^9 - 2x^8 + 3x^7 - 4x^6 + 5x^5 - 6x^4 + 7x^3 - 8x^2 + 9x - 1}$$

Sequence: A277690
Score: 6.35142
Type of gen. func.: ogf

$$-\frac{x^9 - 3x^8 - 4x^7 - 6x^6 - 6x^5 - 7x^4 - 6x^3 - 7x^2 - 4x - 2}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A277723
Score: 8.54067
Type of gen. func.: ogf

$$\frac{x (7 x^8 + 6 x^7 + 6 x^6 + 6 x^5 + 7 x^4 + 6 x^3 + 6 x^2 + 6 x + 6)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A277752
Score: 10.9960
Type of gen. func.: ogf

$$\frac{x^3 + x^2 - 1}{(x + 1) (x^2 - x - 1) (x - 1)^2}$$

Sequence: A277757
Score: 11.1899
Type of gen. func.: ogf

$$\{a(n + 1) - 64 a(n), a(0) = 2\}$$

Sequence: A277757
Score: 14.1205
Type of gen. func.: ogf

$$-64 f(x) x + f(x) - 2$$

Sequence: A277757
Score: 19.7688
Type of gen. func.: lgdogf

$$\frac{64}{-64 x + 1}$$

Sequence: A277757
Score: 22.8101
Type of gen. func.: ogf

$$- \frac{2}{64 x - 1}$$

Sequence: A277761
Score: 11.1780
Type of gen. func.: ogf

$$-\frac{x\ (2\ x-1)}{(2\ x+1)\ (6\ x^{2}-6\ x+1)}$$

Sequence: A277761
Score: 5.78859
Type of gen. func.: ogf

$$\{a(n+3)-4\ a(n+2)-6\ a(n+1)+12\ a(n),\ a(0)=0,\ a(1)=1,\ a(2)=2\}$$

Sequence: A277761
Score: 6.00299
Type of gen. func.: ogf

$$(2\ f(x)+1)\ (12\ f(x)\ x^{3}-6\ f(x)\ x^{2}-4\ f(x)\ x+2\ x^{2}+f(x)-x)$$

Sequence: A277761
Score: 7.62732
Type of gen. func.: lgdogf

$$-\frac{-48\ x^{3}+48\ x^{2}-12\ x-2}{-24\ x^{4}+24\ x^{3}+2\ x^{2}-6\ x+1}$$

Sequence: A277782
Score: 10.2018
Type of gen. func.: ogf

$$-\frac{3\ x\ (x-1)}{6\ x^{3}-8\ x^{2}-5\ x+1}$$

Sequence: A277782
Score: 5.19199
Type of gen. func.: ogf

$\{a(n + 3) - 5 a(n + 2) - 8 a(n + 1) + 6 a(n), a(0) = 0, a(1) = 3, a(2) = 12\}$

Sequence: A277782
Score: 5.87378
Type of gen. func.: ogf

$$f(x) (6 f(x) x^3 - 8 f(x) x^2 - 5 f(x) x + 3 x^2 + f(x) - 3 x)$$

Sequence: A277782
Score: 6.92265
Type of gen. func.: lgdogf

$$- \frac{-12 x^3 + 26 x^2 - 16 x - 4}{-6 x^4 + 14 x^3 - 3 x^2 - 6 x + 1}$$

Sequence: A277789
Score: 12.0222
Type of gen. func.: ogf

$$\frac{2 x^3 + x^2 - 1}{(x + 1) (x^2 - 2 x - 1) (x - 1)^2}$$

Sequence: A277792
Score: 6.66448
Type of gen. func.: ogf

$$- \frac{x (x + 1) (x^4 + 188 x^3 + 1062 x^2 + 188 x + 1)}{(x - 1)^7}$$

Sequence: A277792
Score: 7.02895
Type of gen. func.: lgdogf

5 4 3 2

$$-\frac{-2x - 572x - 5756x - 10000x - 3634x - 196}{-x^{6} - 188x^{5} - 1061x^{4} + 1061x^{2} + 188x + 1}$$

Sequence: A277797
Score: 10.5467
Type of gen. func.: ogf

$$\frac{1100x^{3} - 100x^{2} + 1}{(x - 1)(10x + 1)(10x - 1)(x + 1)}$$

Sequence: A277797
Score: 5.67898
Type of gen. func.: ogf

$$-(2200000000 f(x) + 130943782691)$$

$$(100 f(x) x^{4} - 101 f(x) x^{2} - 1100x^{3} + 100x^{2} + f(x) - 1)$$

Sequence: A277798
Score: 10.8403
Type of gen. func.: ogf

$$\frac{11x^{3} - x^{2} + 1}{(x - 1)(10x + 1)(10x - 1)(x + 1)}$$

Sequence: A277798
Score: 6.22142
Type of gen. func.: ogf

$$(2200 f(x) + 87278439131)(100 f(x) x^{4} - 101 f(x) x^{2} - 11x^{3} + x^{2} + f(x) - 1)$$

Sequence: A277799
Score: 13.2249
Type of gen. func.: ogf

$$\frac{12x^{3} - 4x^{2} + 1}{}$$

$$(x - 1) (2 x + 1) (2 x - 1) (x + 1)$$

Sequence: A277799
Score: 7.88405
Type of gen. func.: ogf

$$(1536 f(x) + 6059) (4 f(x) x^4 - 5 f(x) x^2 - 12 x^3 + 4 x^2 + f(x) - 1)$$

Sequence: A277800
Score: 12.7180
Type of gen. func.: ogf

$$\frac{3 x^3 - x^2 + 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A277800
Score: 7.53203
Type of gen. func.: ogf

$$-(24 f(x) + 67) (4 f(x) x^4 - 5 f(x) x^2 - 3 x^3 + x^2 + f(x) - 1)$$

Sequence: A277830
Score: 7.76524
Type of gen. func.: ogf

$$-\frac{100 x^3 - 121 x^2 + 21 x - 1}{(10 x - 1)^2 (x - 1)^2}$$

Sequence: A277864
Score: 10.0211
Type of gen. func.: ogf

$$\frac{1000 x^3 - 100 x^2 + x + 1}{(x - 1) (10 x + 1) (10 x - 1) (x + 1)}$$

Sequence: A277864
Score: 5.98035
Type of gen. func.: ogf

$$-(50050 f(x) + 2460987)$$

$$(100 f(x) x^4 - 101 f(x) x^2 - 1000 x^3 + 100 x^2 + f(x) - x - 1)$$

Sequence: A277864
Score: 6.56251
Type of gen. func.: ogf

$\{-a(n + 4) + 101 a(n + 2) - 100 a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1101$

$\}$

Sequence: A277865
Score: 5.9153
Type of gen. func.: ogf

$$(200200 f(x) + 83943801)$$

$$(100 f(x) x^4 - 101 f(x) x^2 - x^3 + x^2 + f(x) - 10 x - 1)$$

Sequence: A277865
Score: 6.01728
Type of gen. func.: ogf

$\{-a(n + 4) + 101 a(n + 2) - 100 a(n), a(0) = 1, a(1) = 10, a(2) = 100,$

$a(3) = 1011\}$

Sequence: A277865
Score: 9.97150
Type of gen. func.: ogf

$$\frac{x^3 - x^2 + 10 x + 1}{(x - 1) (10 x + 1) (10 x - 1) (x + 1)}$$

Sequence: A277866

Score: 12.6724
Type of gen. func.: ogf

$$\frac{8 x^3 - 4 x^2 + x + 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A277866
Score: 7.99711
Type of gen. func.: ogf

$$(18 f(x) + 43) (4 f(x) x^4 - 5 f(x) x^2 - 8 x^3 + 4 x^2 + f(x) - x - 1)$$

Sequence: A277867
Score: 12.3694
Type of gen. func.: ogf

$$\frac{x^3 - x^2 + 2 x + 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A277867
Score: 7.65724
Type of gen. func.: ogf

$$(72 f(x) + 1337) (4 f(x) x^4 - 5 f(x) x^2 - x^3 + x^2 + f(x) - 2 x - 1)$$

Sequence: A277924
Score: 3.58413
Type of gen. func.: ogf

$$\{(16 n^2 + 56 n + 48) a(n + 1) + (-8 n^2 - 34 n - 28) a(n + 2)$$

$$+ (n^2 + 5 n + 4) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 15\}$$

Sequence: A277924
Score: 5.07988
Type of gen. func.: ogf

$$16 f(x)^2 x^3 - 8 f(x)^2 x^2 + f(x)^2 x + 20 f(x) x^2 - 9 f(x) x + x^2 + f(x) + 4 x$$
$$- 1$$

Sequence: A277926
Score: 7.46823
Type of gen. func.: ogf

$$- \frac{100 x^5 - 100 x^4 - 101 x^3 + 101 x^2 - 10 x - 1}{(x - 1) (10 x + 1) (10 x - 1) (x + 1)}$$

Sequence: A277927
Score: 7.35493
Type of gen. func.: ogf

$$- \frac{1000 x^5 - 100 x^4 - 1010 x^3 + 101 x^2 - x - 1}{(x - 1) (10 x + 1) (10 x - 1) (x + 1)}$$

Sequence: A277928
Score: 9.19405
Type of gen. func.: ogf

$$- \frac{4 x^5 - 4 x^4 - 5 x^3 + 5 x^2 - 2 x - 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A277929
Score: 9.08193
Type of gen. func.: ogf

$$- \frac{8 x^5 - 4 x^4 - 10 x^3 + 5 x^2 - x - 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A277935
Score: 11.3169
Type of gen. func.: ogf

$$2 x$$

$$\overline{\qquad\qquad}\\(x - 1)^{6}$$

Sequence: A277935
Score: 29.1007
Type of gen. func.: lgdogf

$$\frac{6}{-x + 1}$$

Sequence: A277935
Score: 62.2189
Type of gen. func.: ogf_with_Euler_transform]

[6]

Sequence: A277935
Score: 7.91087
Type of gen. func.: ogf

{(n + 1) a(n + 2) + (-6 - n) a(n + 1), a(0) = 0, a(1) = 2}

Sequence: A277936
Score: 11.4572
Type of gen. func.: ogf

$$\frac{4 x^{4} - 5 x^{2} + 3 x + 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A277936
Score: 5.95774
Type of gen. func.: ogf

{-a(n + 5) + 5 a(n + 3) - 4 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 0, a(3) = 15,

a(4) = 0}

Sequence: A277936

Score: 9.42681
Type of gen. func.: ogf

$$4 f(x) x^4 - 4 x^4 - 5 f(x) x^2 + 5 x^2 + f(x) - 3 x - 1$$

Sequence: A277939
Score: 4.45202
Type of gen. func.: ogf

$$(129921 f(x) - 78652)$$

$$(2 f(x) x^4 + f(x) x^3 - 6 f(x) x^2 - 4 f(x) x - 2 x^2 + f(x) - 3 x)$$

Sequence: A277939
Score: 9.17802
Type of gen. func.: ogf

$$\frac{x (2 x + 3)}{(x + 1) (2 x^3 - x^2 - 5 x + 1)}$$

Sequence: A277952
Score: 10.5758
Type of gen. func.: ogf

$$- \frac{x^2 - 10 x - 1}{(10 x - 1) (10 x + 1) (x - 1)}$$

Sequence: A277952
Score: 5.53973
Type of gen. func.: ogf

$$-(2000 f(x) + 1509) (100 f(x) x^3 - 100 f(x) x^2 - f(x) x + x^2 + f(x) - 10 x - 1)$$

Sequence: A277952
Score: 5.86559
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - 100 a(n + 1) + 100 a(n), a(0) = 1, a(1) = 11, a(2) = 110

}

Sequence: A277952
Score: 6.06961
Type of gen. func.: lgdogf

$$-\frac{-100 x^4 + 2000 x^3 - 701 x^2 - 198 x - 11}{-100 x^5 + 1100 x^4 - 899 x^3 - 111 x^2 + 9 x + 1}$$

Sequence: A277953
Score: 11.0540
Type of gen. func.: ogf

$$-\frac{100 x^2 - x - 1}{(x - 1) (10 x - 1) (x + 1)}$$

Sequence: A277953
Score: 6.14109
Type of gen. func.: ogf

$$(2 f(x) - 849) (10 f(x) x^3 - f(x) x^2 - 10 f(x) x + 100 x^2 + f(x) - x - 1)$$

Sequence: A277953
Score: 6.19403
Type of gen. func.: ogf

{a(n + 3) - 10 a(n + 2) - a(n + 1) + 10 a(n), a(0) = 1, a(1) = 11, a(2) = 11}

Sequence: A277953
Score: 6.24789
Type of gen. func.: lgdogf

$$-\frac{-1000 x^4 + 20 x^3 - 971 x^2 + 198 x - 11}{-1000 x^5 + 110 x^4 + 1009 x^3 - 111 x^2 - 9 x + 1}$$

Sequence: A277954
Score: 12.5530
Type of gen. func.: ogf

$$-\frac{x^2 - 2x - 1}{(2x - 1)(2x + 1)(x - 1)}$$

Sequence: A277954
Score: 6.54474
Type of gen. func.: ogf

$$-(16 f(x) + 29) (4 f(x) x^3 - 4 f(x) x^2 - f(x) x + x^2 + f(x) - 2 x - 1)$$

Sequence: A277954
Score: 6.83693
Type of gen. func.: ogf

{-a(n + 3) + a(n + 2) + 4 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 3, a(2) = 6}

Sequence: A277954
Score: 7.81363
Type of gen. func.: lgdogf

$$-\frac{-4x^4 + 16x^3 + 3x^2 - 6x - 3}{-4x^5 + 12x^4 - 3x^3 - 7x^2 + x + 1}$$

Sequence: A277955
Score: 12.6024
Type of gen. func.: ogf

$$-\frac{4x^2 - x - 1}{(x - 1)(2x - 1)(x + 1)}$$

Sequence: A277955
Score: 6.86380

Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - a(n + 1) + 2 a(n), a(0) = 1, a(1) = 3, a(2) = 3\}$$

Sequence: A277955
Score: 6.92564
Type of gen. func.: ogf

$$(2 f(x) + 7) (2 f(x) x^{3} - f(x) x^{2} - 2 f(x) x + 4 x^{2} + f(x) - x - 1)$$

Sequence: A277955
Score: 8.00777
Type of gen. func.: lgdogf

$$- \frac{-8 x^{4} + 4 x^{3} - 3 x^{2} + 6 x - 3}{-8 x^{5} + 6 x^{4} + 9 x^{3} - 7 x^{2} - x + 1}$$

Sequence: A277963
Score: 13.8735
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{3} - 3 x^{2} + 3 x}{-x^{2} + 2 x - 1}$$

Sequence: A277969
Score: 7.10253
Type of gen. func.: lgdogf

$$- \frac{1}{2 (x - 1)^{1/2} x (5 x - 1)^{1/2}} + \frac{4 x + 1}{2 (x - 1) x}$$

Sequence: A277975
Score: 11.4807
Type of gen. func.: ogf

2

$$-\frac{25 x - 5 x + 1}{(x - 1) (5 x - 1)^{2}}$$

Sequence: A277975
Score: 6.27099
Type of gen. func.: ogf

$$(538 f(x) - 285) (25 f(x) x^{3} - 35 f(x) x^{2} + 11 f(x) x + 25 x^{2} - f(x) - 5 x + 1)$$

Sequence: A277975
Score: 6.43316
Type of gen. func.: ogf

$$\{a(n + 3) - 11 a(n + 2) + 35 a(n + 1) - 25 a(n), a(0) = 1, a(1) = 6, a(2) = 56\}$$

Sequence: A277975
Score: 8.29163
Type of gen. func.: lgdogf

$$-\frac{125 x^{3} - 25 x^{2} - 10 x - 6}{125 x^{4} - 175 x^{3} + 60 x^{2} - 11 x + 1}$$

Sequence: A277976
Score: 12.9560
Type of gen. func.: ogf

$$\frac{2 x (10 x - 13)}{(x - 1)^{3}}$$

Sequence: A277976
Score: 14.4228
Type of gen. func.: lgdogf

$$-\frac{-20 x + 29}{-10 x^{2} + 23 x - 13}$$

Sequence: A277976
Score: 6.31741
Type of gen. func.: ogf

$$-(3105 f(x) - 482608) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 20 x^2 - f(x) + 26 x)$$

Sequence: A277976
Score: 6.76465
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 26, a(2) = 58\}$$

Sequence: A277977
Score: 4.12156
Type of gen. func.: ogf

$$\{(319 n^2 + 1963 n + 2650) a(n + 1) + (252 n^2 + 3570 n + 8258) a(n + 2) + (-571 n^2 - 1973 n - 1662) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 19\}$$

Sequence: A277977
Score: 8.77492
Type of gen. func.: ogf

$$\frac{x (x + 1) (2 x^2 - 13 x - 1)}{(x - 1)^5}$$

Sequence: A277977
Score: 9.60080
Type of gen. func.: lgdogf

$$- \frac{-4 x^3 + 27 x^2 + 78 x + 19}{-2 x^4 + 13 x^3 + 3 x^2 - 13 x - 1}$$

Sequence: A277978
Score: 13.7963
Type of gen. func.: ogf

$$\frac{6 x (x - 2)}{(x - 1)^3}$$

Sequence: A277978
Score: 16.6705
Type of gen. func.: lgdogf

$$- \frac{-2 x + 5}{-x^2 + 3 x - 2}$$

Sequence: A277978
Score: 6.95814
Type of gen. func.: ogf

$$-(23 f(x) - 378) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 6 x^2 - f(x) + 12 x)$$

Sequence: A277978
Score: 7.08129
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 12, a(2) = 30}

Sequence: A277979
Score: 14.6318
Type of gen. func.: ogf

$$\frac{2 x (7 x - 11)}{(x - 1)^3}$$

Sequence: A277979
Score: 16.6015
Type of gen. func.: lgdogf

$$-\frac{-14 x + 26}{-7 x^{2} + 18 x - 11}$$

Sequence: A277979
Score: 7.37844
Type of gen. func.: ogf

$$(4696 f(x) - 252495) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x - 14 x^{2} - f(x) + 22 x)$$

Sequence: A277979
Score: 7.63963
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 22, a(2) = 52\}$$

Sequence: A277980
Score: 13.1896
Type of gen. func.: ogf

$$\frac{6 x (x - 5)}{(x - 1)^{3}}$$

Sequence: A277980
Score: 15.6121
Type of gen. func.: lgdogf

$$-\frac{-2 x + 14}{-x^{2} + 6 x - 5}$$

Sequence: A277980
Score: 6.76987
Type of gen. func.: ogf

$$(232 f(x) - 4941) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x - 6 x^{2} - f(x) + 30 x)$$

Sequence: A277980
Score: 6.76987
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 30, a(2) = 84\}$$

Sequence: A277981
Score: 11.0282
Type of gen. func.: lgdogf

$$-\frac{17 x^2 - 28 x - 1}{17 x^3 - 48 x^2 + 41 x - 10}$$

Sequence: A277981
Score: 12.0621
Type of gen. func.: ogf

$$\frac{2 (17 x^2 - 31 x + 10)}{(x - 1)^3}$$

Sequence: A277981
Score: 6.32766
Type of gen. func.: ogf

$$(5336 f(x) - 599375)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 34 x^2 - f(x) + 62 x - 20)$$

Sequence: A277981
Score: 6.77171
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = -20, a(1) = 2, a(2) = 32\}$$

Sequence: A277982
Score: 10.9816
Type of gen. func.: lgdogf

$$-\frac{14 x^2 - 54 x + 4}{14 x^3 - 55 x^2 + 56 x - 15}$$

Sequence: A277982
Score: 12.0111
Type of gen. func.: ogf

$$\frac{2 (7 x - 3) (2 x - 5)}{(x - 1)^3}$$

Sequence: A277982
Score: 5.95899
Type of gen. func.: ogf

$$-(121176 f(x) - 5296103)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 28 x^2 - f(x) + 82 x - 30)$$

Sequence: A277982
Score: 6.74306
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = -30, a(1) = -8, a(2) = 38\}$$

Sequence: A277983
Score: 12.1095
Type of gen. func.: lgdogf

$$-\frac{-14 x^2 - 12 x - 1}{-14 x^3 + 22 x^2 - 11 x + 3}$$

Sequence: A277983
Score: 12.8547
Type of gen. func.: ogf

2

$$-\frac{12\,(14\,x - 8\,x + 3)}{(x - 1)^{3}}$$

Sequence: A277983
Score: 6.57916
Type of gen. func.: ogf

$$-(3483\,f(x) - 150028)\,(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x + 168\,x^{2} - f(x) - 96\,x + 36)$$

Sequence: A277983
Score: 7.26568
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 36,\ a(1) = 12,\ a(2) = 96\}$$

Sequence: A277984
Score: 14.2249
Type of gen. func.: ogf

$$-\frac{12\,x\,(7\,x + 2)}{(x - 1)^{3}}$$

Sequence: A277984
Score: 16.7853
Type of gen. func.: lgdogf

$$-\frac{-14\,x - 13}{-7\,x^{2} + 5\,x + 2}$$

Sequence: A277984
Score: 6.93609
Type of gen. func.: ogf

$$-(8829\,f(x) - 303644)\,(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x + 84\,x^{2} - f(x) + 24\,x)$$

Sequence: A277984
Score: 7.36199
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 24, a(2) = 156\}$$

Sequence: A277985
Score: 13.6358
Type of gen. func.: lgdogf

$$-\frac{-25 x^2 - 52 x - 4}{-25 x^3 + 24 x^2 + 1}$$

Sequence: A277985
Score: 13.8522
Type of gen. func.: ogf

$$-\frac{6 (25 x^2 + x + 1)}{(x - 1)^3}$$

Sequence: A277985
Score: 7.09504
Type of gen. func.: ogf

$$-(621 f(x) - 31886) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 150 x^2 - f(x) + 6 x + 6)$$

Sequence: A277985
Score: 7.58860
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 6, a(1) = 24, a(2) = 204\}$$

Sequence: A277986
Score: 15.0640
Type of gen. func.: lgdogf

$$-\frac{-44 x - 30}{-44 x^{2} + 51 x - 7}$$

Sequence: A277986
Score: 16.6665
Type of gen. func.: ogf

$$\frac{2 (44 x - 7)}{(x - 1)^{2}}$$

Sequence: A277986
Score: 8.60799
Type of gen. func.: ogf

$$(37 f(x) + 1418) (f(x) x^{2} - 2 f(x) x + f(x) - 88 x + 14)$$

Sequence: A277986
Score: 9.32532
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -14, a(1) = 60\}$$

Sequence: A277987
Score: 13.9259
Type of gen. func.: lgdogf

$$-\frac{-32 x - 18}{-32 x^{2} + 39 x - 7}$$

Sequence: A277987
Score: 15.0864
Type of gen. func.: ogf

$$\frac{4 (32 x - 7)}{(x - 1)^{2}}$$

```
------------------------------------------------------------------------------

Sequence:  A277987
Score: 7.87116
Type of gen. func.: ogf


                                    2
           (25 f(x) + 1348) (f(x) x  - 2 f(x) x + f(x) - 128 x + 28)



------------------------------------------------------------------------------

Sequence:  A277987
Score: 8.62079
Type of gen. func.: ogf


             {-a(n + 2) + 2 a(n + 1) - a(n), a(0) = -28, a(1) = 72}



------------------------------------------------------------------------------

Sequence:  A277988
Score: 15.6409
Type of gen. func.: ogf


                                  2 (210 x - 193)
                               - -----------------
                                 (2 x - 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A277988
Score: 7.66407
Type of gen. func.: ogf


                                           2
        -(335 f(x) + 143012) (2 f(x) x  - 3 f(x) x + f(x) + 420 x - 386)



------------------------------------------------------------------------------

Sequence:  A277988
Score: 8.91170
Type of gen. func.: ogf


            {a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 386, a(1) = 738}



------------------------------------------------------------------------------

Sequence:  A277988
Score: 9.70134
Type of gen. func.: lgdogf


                                      2
                               -420 x  + 772 x - 369
                        - --------------------------------
```

$$-420 x^3 + 1016 x^2 - 789 x + 193$$

Sequence: A277989
Score: 15.7769
Type of gen. func.: ogf

$$-\frac{498 x - 461}{(2 x - 1) (x - 1)}$$

Sequence: A277989
Score: 7.73071
Type of gen. func.: ogf

$$-(811 f(x) + 409354) (2 f(x) x^2 - 3 f(x) x + f(x) + 498 x - 461)$$

Sequence: A277989
Score: 8.98919
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 461, a(1) = 885\}$$

Sequence: A277989
Score: 9.54407
Type of gen. func.: lgdogf

$$-\frac{-996 x^2 + 1844 x - 885}{-996 x^3 + 2416 x^2 - 1881 x + 461}$$

Sequence: A277990
Score: 14.2249
Type of gen. func.: ogf

$$-\frac{12 x (4 x + 5)}{(x - 1)^3}$$

Sequence: A277990
Score: 17.1279
Type of gen. func.: lgdogf

$$-\frac{8x+19}{4x^2+x-5}$$

Sequence: A277990
Score: 7.17322
Type of gen. func.: ogf

$$(6723 f(x) - 257908) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 48 x^2 - f(x) + 60 x)$$

Sequence: A277990
Score: 7.36199
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 60, a(2) = 228\}$$

Sequence: A277991
Score: 12.0868
Type of gen. func.: ogf

$$-\frac{18 x (5 x + 4)}{(x - 1)^3}$$

Sequence: A277991
Score: 14.2624
Type of gen. func.: lgdogf

$$-\frac{10x+17}{5x^2-x-4}$$

Sequence: A277991
Score: 5.89356
Type of gen. func.: ogf

$$-(3915 f(x) - 210938) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 90 x^2 - f(x) + 72 x)$$

Sequence: A277991
Score: 6.25544
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 72, a(2) = 306\}$$

Sequence: A278000
Score: 3.78408
Type of gen. func.: ogf

$$-(101602395 f(x) + 43765378)$$

$$(6 f(x) x^4 - 3 f(x) x^3 - 6 f(x) x^2 + 2 x^3 - 6 f(x) x + 2 x^2 + f(x) - 9 x)$$

Sequence: A278000
Score: 7.87918
Type of gen. func.: ogf

$$-\frac{x (2 x^2 + 2 x - 9)}{6 x^4 - 3 x^3 - 6 x^2 - 6 x + 1}$$

Sequence: A278008
Score: 10.3204
Type of gen. func.: ogf

$$-8 f(x) x^2 - 5 f(x) x + f(x) - 6 x$$

Sequence: A278008
Score: 12.4266
Type of gen. func.: lgdogf

$$-\frac{-16 x - 5}{-8 x^2 - 5 x + 1}$$

Sequence: A278008
Score: 16.4569
Type of gen. func.: ogf

$$-\frac{6x}{8x^2+5x-1}$$

Sequence: A278008
Score: 7.51733
Type of gen. func.: ogf

$$\{-a(n+2)+5a(n+1)+8a(n), a(0)=0, a(1)=6\}$$

Sequence: A278015
Score: 10.3086
Type of gen. func.: ogf

$$-\frac{2x(4x-3)}{(x+1)(x^3+7x^2-7x+1)}$$

Sequence: A278015
Score: 5.1095
Type of gen. func.: ogf

$$-(343 f(x)-118)(f(x)x^4+8f(x)x^3-6f(x)x+8x^2+f(x)-6x)$$

Sequence: A278023
Score: 4.42705
Type of gen. func.: ogf

$$4f(x)^2x^4-f(x)^2x^3+8f(x)x^4+4f(x)^2x^2-2f(x)x^3+4x^4+3f(x)^2x$$
$$+4f(x)x^2-x^3-f(x)^2+3f(x)x-f(x)+x$$

Sequence: A278036
Score: 6.19052
Type of gen. func.: ogf

$$\frac{4\,(32\,x^4 + 24\,x^3 - 28\,x^2 + 8\,x - 1)}{(8\,x - 1)\,(2\,x - 1)\,(8\,x^2 - 1)\,(4\,x - 1)^2}$$

Sequence: A278037
Score: 5.17647
Type of gen. func.: ogf

$$\frac{8748\,x^4 + 3159\,x^3 - 1755\,x^2 + 180\,x - 10}{(3\,x - 1)\,(27\,x - 1)\,(27\,x^2 - 1)\,(9\,x - 1)^2}$$

Sequence: A278069
Score: 3.16154
Type of gen. func.: ogf

$$\{(-9 - 3\,n)\,a(n + 1) + (12\,n^2 + 53\,n + 52)\,a(n + 2) + (4\,n^2 + 33\,n + 63)\,a(n + 3) + (n + 4)\,a(n + 4),\ a(0) = 1,\ a(1) = 0,\ a(2) = 3,\ a(3) = -32\}$$

Sequence: A278069
Score: 9.02704
Type of gen. func.: lgdegf]

$$\frac{2\,x - 1}{2\,x\,(4\,x + 1)^{1/2}} + \frac{1}{2\,(4\,x + 1)\,x}$$

Sequence: A278070
Score: 8.76150
Type of gen. func.: lgdegf]

$$\frac{1/2\,I\,(2\,x - 1)}{x\,(4\,x - 1)^{1/2}} - \frac{1}{2\,(4\,x - 1)\,x}$$

Sequence: A278088
Score: 4.71104
Type of gen. func.: ogf

{a(n + 5) - a(n + 4) - 4 a(n + 3) - 3 a(n + 2), a(0) = 0, a(1) = 2, a(2) = 3,

a(3) = 10, a(4) = 27}

Sequence: A278088
Score: 5.33673
Type of gen. func.: ogf

$$(1371 f(x) + 610) (3 f(x) x^3 - x^4 + 4 f(x) x^2 - x^3 + f(x) x + x^2 - f(x) + 2 x)$$

Sequence: A278088
Score: 9.35755
Type of gen. func.: ogf

$$\frac{x (x^3 + x^2 - x - 2)}{3 x^3 + 4 x^2 + x - 1}$$

Sequence: A278095
Score: 6.98089
Type of gen. func.: ogf

$$- \frac{2 x (x^3 - x + 1)}{2 x^7 - 6 x^5 - 3 x^4 - 3 x^3 - x^2 + 6 x - 1}$$

Sequence: A278105
Score: 10.4062
Type of gen. func.: lgdogf

$$- \frac{-2 x - 1}{x^2 + x + 3}$$

Sequence: A278105

Score: 7.56814
Type of gen. func.: ogf

$$\{-a(n + 3), a(0) = 3, a(1) = 1, a(2) = 1\}$$

Sequence: A278105
Score: 8.76311
Type of gen. func.: ogf

$$(f(x) - 3) (-x^2 + f(x) - x - 3)$$

Sequence: A278122
Score: 11.0439
Type of gen. func.: lgdogf

$$-\frac{22 x^2 + 80 x - 71}{22 x^3 + 7 x^2 - 49 x + 20}$$

Sequence: A278122
Score: 16.1056
Type of gen. func.: ogf

$$\frac{8 (11 x + 20)}{(2 x - 1) (x - 1)}$$

Sequence: A278122
Score: 8.22416
Type of gen. func.: ogf

$$(133 f(x) + 19048) (2 f(x) x^2 - 3 f(x) x + f(x) - 88 x - 160)$$

Sequence: A278122
Score: 8.98919
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 160, a(1) = 568\}$$

Sequence: A278123
Score: 10.2597
Type of gen. func.: lgdogf

$$-\frac{106 x^2 + 388 x - 344}{106 x^3 + 35 x^2 - 238 x + 97}$$

Sequence: A278123
Score: 15.9130
Type of gen. func.: ogf

$$\frac{2 (53 x + 97)}{(2 x - 1) (x - 1)}$$

Sequence: A278123
Score: 8.20775
Type of gen. func.: ogf

$$(161 f(x) + 27934) (2 f(x) x^2 - 3 f(x) x + f(x) - 106 x - 194)$$

Sequence: A278123
Score: 9.06669
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 194, a(1) = 688\}$$

Sequence: A278124
Score: 10.5064
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = -4, a(1) = 168\}$$

Sequence: A278124
Score: 12.6076
Type of gen. func.: lgdogf

$$-90 x^2 + 4 x + 42$$

$$- \frac{}{-90 x^{3} + 137 x^{2} - 48 x + 1}$$

Sequence: A278124
Score: 18.7773
Type of gen. func.: ogf

$$\frac{4 (45 x - 1)}{(2 x - 1) (x - 1)}$$

Sequence: A278124
Score: 9.69818
Type of gen. func.: ogf

$$(65 f(x) + 3788) (2 f(x) x^{2} - 3 f(x) x + f(x) - 180 x + 4)$$

Sequence: A278125
Score: 12.0500
Type of gen. func.: lgdogf

$$- \frac{-98 x^{2} + 8 x + 43}{-98 x^{3} + 151 x^{2} - 55 x + 2}$$

Sequence: A278125
Score: 17.5729
Type of gen. func.: ogf

$$\frac{5 (49 x - 2)}{(2 x - 1) (x - 1)}$$

Sequence: A278125
Score: 8.97337
Type of gen. func.: ogf

$$(137 f(x) + 10615) (2 f(x) x^{2} - 3 f(x) x + f(x) - 245 x + 10)$$

Sequence: A278125
Score: 9.92351
Type of gen. func.: ogf

$$\{-a(n+2) + 3\,a(n+1) - 2\,a(n),\ a(0) = -10,\ a(1) = 215\}$$

Sequence: A278126
Score: 12.9585
Type of gen. func.: ogf

$$-f(x)\,x^2 + 2\,f(x)\,x - f(x) + 12\,x + 66$$

Sequence: A278126
Score: 16.8460
Type of gen. func.: lgdogf

$$-\frac{2\,x + 24}{2\,x^2 + 9\,x - 11}$$

Sequence: A278126
Score: 17.9213
Type of gen. func.: ogf

$$\frac{6\,(2\,x + 11)}{(x - 1)^2}$$

Sequence: A278126
Score: 9.90942
Type of gen. func.: ogf

$$\{-a(n+2) + 2\,a(n+1) - a(n),\ a(0) = 66,\ a(1) = 144\}$$

Sequence: A278127
Score: 15.7400
Type of gen. func.: lgdogf

$$-\frac{28\,x + 170}{}$$

$$28 x^2 + 43 x - 71$$

Sequence: A278127
Score: 18.0842
Type of gen. func.: ogf

$$\frac{28 x + 71}{(x - 1)^2}$$

Sequence: A278127
Score: 9.3402
Type of gen. func.: ogf

$$(99 f(x) + 7421) (f(x) x^2 - 2 f(x) x + f(x) - 28 x - 71)$$

Sequence: A278127
Score: 9.99951
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 71, a(1) = 170\}$$

Sequence: A278128
Score: 10.9142
Type of gen. func.: lgdogf

$$- \frac{4 x^2 + 44 x - 35}{4 x^3 + 16 x^2 - 31 x + 11}$$

Sequence: A278128
Score: 15.6891
Type of gen. func.: ogf

$$\frac{12 (2 x + 11)}{(2 x - 1) (x - 1)}$$

Sequence: A278128
Score: 8.18563
Type of gen. func.: ogf

$$(61 f(x) + 6648) (2 f(x) x^2 - 3 f(x) x + f(x) - 24 x - 132)$$

Sequence: A278128
Score: 8.75671
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 132, a(1) = 420\}$$

Sequence: A278129
Score: 14.9686
Type of gen. func.: ogf

$$\frac{4 (7 x + 40)}{(2 x - 1) (x - 1)}$$

Sequence: A278129
Score: 7.64354
Type of gen. func.: ogf

$$(221 f(x) + 29156) (2 f(x) x^2 - 3 f(x) x + f(x) - 28 x - 160)$$

Sequence: A278129
Score: 8.35457
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 160, a(1) = 508\}$$

Sequence: A278129
Score: 9.70936
Type of gen. func.: lgdogf

$$-\frac{14 x^2 + 160 x - 127}{14 x^3 + 59 x^2 - 113 x + 40}$$

Sequence: A278130
Score: 11.0896
Type of gen. func.: lgdogf

$$-\frac{-16 x^2 + 180 x - 127}{-16 x^3 + 114 x^2 - 143 x + 45}$$

Sequence: A278130
Score: 17.3276
Type of gen. func.: ogf

$$-\frac{6 (8 x - 45)}{(2 x - 1) (x - 1)}$$

Sequence: A278130
Score: 8.94325
Type of gen. func.: ogf

$$(67 f(x) + 14168) (2 f(x) x^2 - 3 f(x) x + f(x) + 48 x - 270)$$

Sequence: A278130
Score: 9.67120
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 270, a(1) = 762\}$$

Sequence: A278131
Score: 15.2432
Type of gen. func.: ogf

$$-\frac{3 (15 x - 106)}{(2 x - 1) (x - 1)}$$

Sequence: A278131
Score: 7.70185
Type of gen. func.: ogf

$$(485 f(x) + 121197) (2 f(x) x^2 - 3 f(x) x + f(x) + 45 x - 318)$$

Sequence: A278131
Score: 8.50786
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 318, a(1) = 909\}$$

Sequence: A278131
Score: 9.62732
Type of gen. func.: lgdogf

$$-\frac{-30 x^2 + 424 x - 303}{-30 x^3 + 257 x^2 - 333 x + 106}$$

Sequence: A278137
Score: 9.45773
Type of gen. func.: ogf

$$-\frac{x^4 + 2 x^3 + x^2 - 2 x - 1}{(x^2 + x - 1) (x^3 + x^2 - 1)}$$

Sequence: A278151
Score: 10.3257
Type of gen. func.: ogf

$$\frac{x (x + 1) (x - 2)}{x^3 + x^2 + 3 x - 1}$$

Sequence: A278151
Score: 5.08461
Type of gen. func.: ogf

$$\{-a(n + 4) + 3 a(n + 3) + a(n + 2) + a(n + 1), a(0) = 0, a(1) = 2, a(2) = 7,$$

a(3) = 22}

Sequence: A278151
Score: 5.64007
Type of gen. func.: ogf

$$(264 f(x) + 245) (f(x) x^3 + f(x) x^2 - x^3 + 3 f(x) x + x^2 - f(x) + 2 x)$$

Sequence: A278151
Score: 8.28604
Type of gen. func.: lgdogf

$$- \frac{x^4 - 2 x^3 - 10 x^2 - 2 x - 7}{x^5 - 6 x^2 - 5 x + 2}$$

Sequence: A278171
Score: 6.65446
Type of gen. func.: ogf

$$\frac{x (x + 1) (x^4 - x^2 - 3 x + 2)}{x^6 + 2 x^5 + 3 x^4 - x^2 - 3 x + 1}$$

Sequence: A278183
Score: 5.28338
Type of gen. func.: ogf

$$- \frac{x (4 x^4 + x^3 + 12 x^2 - 4 x - 3)}{16 x^6 - 14 x^5 + 26 x^4 - 15 x^3 + 4 x^2 - 8 x + 1}$$

Sequence: A278189
Score: 4.89559
Type of gen. func.: ogf

$$- \frac{x (2 x - 3) (x^2 - x + 1)^2}{}$$

$$4 x^{7} - 7 x^{6} - 5 x^{5} + 12 x^{4} - 9 x^{3} + 16 x^{2} - 9 x + 1$$

Sequence: A278203
Score: 4.16888
Type of gen. func.: ogf

$$\frac{x (2 x^{7} - 4 x^{6} - x^{5} + 13 x^{4} - 13 x^{3} - 21 x^{2} + 7 x + 15)}{2 x^{8} - 3 x^{7} + 9 x^{5} - 11 x^{4} - 11 x^{3} - 7 x^{2} - 6 x + 1}$$

Sequence: A278267
Score: 4.21848
Type of gen. func.: ogf

$$- \frac{x (8 x^{6} - 9 x^{5} + 4 x^{4} - 13 x^{3} + 19 x^{2} - 7 x - 4)}{32 x^{8} - 74 x^{7} + 76 x^{6} - 70 x^{5} + 65 x^{4} - 37 x^{3} + 14 x^{2} - 10 x + 1}$$

Sequence: A278274
Score: 10.7495
Type of gen. func.: ogf

$$- \frac{x (x + 2) (x - 1)}{2 x^{3} - x^{2} - 3 x + 1}$$

Sequence: A278274
Score: 5.29332
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 3) - a(n + 2) + 2 a(n + 1), a(0) = 0, a(1) = 2, a(2) = 5, a(3) = 16\}$$

Sequence: A278274
Score: 5.68063
Type of gen. func.: ogf

$$-(919 f(x) + 297) (2 f(x) x^{3} - f(x) x^{2} + x^{3} - 3 f(x) x + x^{2} + f(x) - 2 x)$$

Sequence: A278274
Score: 7.85076
Type of gen. func.: lgdogf

$$-\frac{-2 x^{4} - 4 x^{3} + 10 x^{2} - 2 x - 5}{-2 x^{5} - x^{4} + 8 x^{3} - 7 x + 2}$$

Sequence: A278275
Score: 4.37509
Type of gen. func.: ogf

$$-\frac{x (x - 1) (2 x^{6} - 2 x^{5} + 9 x^{4} + 5 x^{3} + 21 x^{2} - 5 x - 4)}{8 x^{7} - 16 x^{6} + 19 x^{5} - 17 x^{3} + 3 x^{2} + 6 x - 1}$$

Sequence: A278281
Score: 10.1410
Type of gen. func.: ogf

$$\frac{x (x^{2} - 2)}{x^{4} - x^{3} + 3 x^{2} + 2 x - 1}$$

Sequence: A278281
Score: 6.39968
Type of gen. func.: ogf

$$-f(x) x^{4} + f(x) x^{3} - 3 f(x) x^{2} + x^{3} - 2 f(x) x + f(x) - 2 x$$

Sequence: A278310
Score: 10.9787
Type of gen. func.: ogf

$$\frac{x^{2} - 38 x - 3}{{}^{2}}$$

```
                            (x - 1) (x  - 34 x + 1)



------------------------------------------------------------------------------

Sequence:  A278310
Score: 5.36364
Type of gen. func.: ogf


(4943862072 f(x) - 185716531)

           3            2                 2
    (f(x) x  - 35 f(x) x  + 35 f(x) x - x  - f(x) + 38 x + 3)



------------------------------------------------------------------------------

Sequence:  A278310
Score: 5.90450
Type of gen. func.: ogf


{a(n + 3) - 35 a(n + 2) + 35 a(n + 1) - a(n), a(0) = 3, a(1) = 143, a(2) = 4899

    }



------------------------------------------------------------------------------

Sequence:  A278310
Score: 6.27354
Type of gen. func.: lgdogf


                        4       3         2
                       x  - 76 x  + 1286 x  + 212 x - 143
                  - ------------------------------------------
                     5       4         3         2
                    x  - 73 x  + 1362 x  - 1226 x  - 67 x + 3



------------------------------------------------------------------------------

Sequence:  A278313
Score: 14.7850
Type of gen. func.: ogf


                                3      2
                               x  + 3 x  + 2 x + 1
                        - -------------------------------
                                    4    3    2
                          (x - 1) (x  + x  + x  + x + 1)



------------------------------------------------------------------------------

Sequence:  A278319
Score: 3.58294
Type of gen. func.: ogf


                  7       6    5       4       3       2
            x (3 x  - 10 x  + x  + 41 x  - 73 x  + 52 x  - 16 x + 3)
            --------------------------------------------------------
```

$$(x-1)^{12}$$

Sequence: A278329
Score: 6.21455
Type of gen. func.: ogf

$$-(f(x)-1)^3$$

Sequence: A278330
Score: 6.12567
Type of gen. func.: ogf

$$-(4x^6+x^3-1)/(8x^{12}+16x^{11}+6x^9+4x^8+8x^7-21x^6-4x^5-8x^4-2x^3-2x^2+1)$$

Sequence: A278357
Score: 5.82358
Type of gen. func.: ogf

$$\frac{3x^4-8x^3+7x^2-2x+1}{(x-1)^8}$$

Sequence: A278357
Score: 7.32451
Type of gen. func.: lgdogf

$$-\frac{-12x^4+28x^3-18x^2-6}{-3x^5+11x^4-15x^3+9x^2-3x+1}$$

Sequence: A278365
Score: 3.60733
Type of gen. func.: ogf

$$\{(3 n^2 + 27 n + 60) a(n + 1) + (-7 n^2 - 32 n + 15) a(n + 2) + (4 n^2 - 6 n + 2) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 6\}$$

Sequence: A278365
Score: 3.96807
Type of gen. func.: ogf

$$-\frac{x^4 (x - 2) (2 x - 3) (2 x^2 - 2 x - 1)}{(x - 1)^{12}}$$

Sequence: A278415
Score: 6.55818
Type of gen. func.: ogf

$$3 f(x)^3 x^4 + 16 f(x)^3 x^3 + 20 f(x)^3 x^2 - 12 f(x)^3 x + 4 f(x)^3 + f(x) x^2 + 3 f(x) x - 3 f(x) - 1$$

Sequence: A278417
Score: 11.7044
Type of gen. func.: lgdogf

$$-\frac{2 x^3 - 3 x^2 + 6 x - 7}{x^4 - 5 x^3 + 6 x^2 - 5 x + 1}$$

Sequence: A278417
Score: 12.6534
Type of gen. func.: ogf

$$\frac{2 x (x^2 - x + 1)}{(x^2 - 4 x + 1)^2}$$

Sequence: A278417
Score: 5.32016
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) + (-4 n^2 - 16 n - 12) a(n + 2) + (n^2 + 3 n + 2) a(n + 3), a(0) = 0, a(1) = 2, a(2) = 14\}$$

Sequence: A278417
Score: 6.64078
Type of gen. func.: ogf

$$-(417 f(x) + 82) (f(x) x^4 - 8 f(x) x^3 + 18 f(x) x^2 - 2 x^3 - 8 f(x) x + 2 x^2 + f(x) - 2 x)$$

Sequence: A278429
Score: 3.66405
Type of gen. func.: ogf

$$8 f(x)^2 x^4 + 23 f(x)^2 x^3 + 21 f(x)^2 x^2 + 32 f(x) x^3 + 5 f(x)^2 x - 52 f(x) x^2 - f(x)^2 - 2 f(x) x + 32 x^2 + f(x)$$

Sequence: A278438
Score: 10.1239
Type of gen. func.: ogf

$$\frac{x^2 - 106 x - 7}{(x - 1) (x^2 - 98 x + 1)}$$

Sequence: A278438
Score: 4.80333
Type of gen. func.: ogf

$$(3651821157800 f(x) - 43829516159) (f(x) x^3 - 99 f(x) x^2 + 99 f(x) x - x^2 - f(x) + 106 x + 7)$$

Sequence: A278438
Score: 5.48380
Type of gen. func.: ogf

$\{a(n + 3) - 99\, a(n + 2) + 99\, a(n + 1) - a(n),\ a(0) = 7,\ a(1) = 799,$

$a(2) = 78407\}$

Sequence: A278438
Score: 5.57675
Type of gen. func.: lgdogf

$$- \frac{x^4 - 212\, x^3 + 10374\, x^2 + 1388\, x - 799}{x^5 - 205\, x^4 + 10586\, x^3 - 9802\, x^2 - 587\, x + 7}$$

Sequence: A278443
Score: 5.56610
Type of gen. func.: ogf

$$\frac{1100\, x^4 - 1100\, x^3 + 100\, x^2 - 1}{(10\, x - 1)\, (10\, x + 1)\, (x - 1)\, (10\, x^2 - 1)\, (10\, x^2 + 1)}$$

Sequence: A278444
Score: 5.81671
Type of gen. func.: ogf

$$\frac{110\, x^4 - 11\, x^3 + x^2 - 1}{(x - 1)\, (10\, x - 1)\, (x + 1)\, (10\, x^2 - 1)\, (10\, x^2 + 1)}$$

Sequence: A278445
Score: 7.50879
Type of gen. func.: ogf

$$\frac{12\, x^4 - 12\, x^3 + 4\, x^2 - 1}{(2\, x - 1)\, (2\, x + 1)\, (x - 1)\, (2\, x^2 - 1)\, (2\, x^2 + 1)}$$

Sequence: A278446
Score: 7.65724
Type of gen. func.: ogf

$$\frac{(2 x + 1) (3 x^3 - 3 x^2 + 2 x - 1)}{(x - 1) (2 x - 1) (x + 1) (2 x^2 - 1) (2 x^2 + 1)}$$

Sequence: A278459
Score: 8.77234
Type of gen. func.: ogf

$$2 f(x)^2 x - f(x) x^2 + 2 f(x) x - x^2 - f(x) - 2 x + 1$$

Sequence: A278461
Score: 13.5871
Type of gen. func.: revogf

$$- \frac{x^3 - 4 x^2 + x}{x^2 + 2 x - 1}$$

Sequence: A278461
Score: 8.58135
Type of gen. func.: ogf

$$f(x)^3 x^2 + f(x)^2 x^2 - 4 f(x)^2 x + 2 f(x) x + f(x) - 1$$

Sequence: A278475
Score: 11.6532
Type of gen. func.: ogf

$$- \frac{x^2 + x - 1}{(x - 1) (x^2 + 29 x - 1)}$$

Sequence: A278475
Score: 6.11795
Type of gen. func.: ogf

$$-(814 f(x) + 27) (f(x) x^3 + 28 f(x) x^2 - 30 f(x) x + x^2 + f(x) + x - 1)$$

Sequence: A278475
Score: 6.27482
Type of gen. func.: ogf

$$\{a(n + 3) - 30 a(n + 2) + 28 a(n + 1) + a(n), a(0) = 1, a(1) = 29, a(2) = 841\}$$

Sequence: A278475
Score: 7.19759
Type of gen. func.: lgdogf

$$-\frac{-x^4 - 2 x^3 - 55 x^2 + 58 x - 29}{-x^5 - 29 x^4 + 3 x^3 + 57 x^2 - 31 x + 1}$$

Sequence: A278476
Score: 10.7028
Type of gen. func.: ogf

$$-\frac{x^2 + x - 1}{(x - 1) (x^2 + 14 x - 1)}$$

Sequence: A278476
Score: 5.76305
Type of gen. func.: ogf

$$\{a(n + 3) - 15 a(n + 2) + 13 a(n + 1) + a(n), a(0) = 1, a(1) = 14, a(2) = 196\}$$

Sequence: A278476
Score: 5.91471
Type of gen. func.: ogf

$$(46 f(x) + 3) (f(x) x^3 + 13 f(x) x^2 - 15 f(x) x + x^2 + f(x) + x - 1)$$

Sequence: A278476
Score: 6.61056
Type of gen. func.: lgdogf

$$- \frac{-x^4 - 2 x^3 - 25 x^2 + 28 x - 14}{-x^5 - 14 x^4 + 3 x^3 + 27 x^2 - 16 x + 1}$$

Sequence: A278491
Score: 6.13413
Type of gen. func.: ogf

$$- x (3 x^{12} + 21 x^{11} + 11 x^{10} + 64 x^9 + 21 x^8 + 75 x^7 + 122 x^6 + 75 x^5 + 21 x^4 + 64 x^3 + 11 x^2 + 21 x + 3) / ((x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2 (x - 1)^3)$$

Sequence: A278536
Score: 15.9364
Type of gen. func.: ogf

$$- \frac{4 x^5 + 3 x^4 + x^3 + 4 x^2 + x + 3}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A278547
Score: 3.63034
Type of gen. func.: ogf

$$\frac{x^2 (6 x^5 - 32 x^4 + 66 x^3 - 60 x^2 + 17 x + 4)}{(x - 1)^{12}}$$

Sequence: A278555
Score: 11.1494
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^4 + 13 x^3 + 13 x^2 + 13 x + 13}{x^5 - 1}$$

Sequence: A278576
Score: 17.7497
Type of gen. func.: lgdegf]

$$-\exp(x) + 6 \exp(2 x)$$

Sequence: A278579
Score: 7.28758
Type of gen. func.: ogf

$$\frac{x^{11} + x^{10} + x^9 + x^8 + 2 x^7 + 2 x^6 + x^5 + 3 x^4 + x^3 + 3 x^2 + 2 x + 5}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A278580
Score: 7.33591
Type of gen. func.: ogf

$$\frac{5 x^{11} + 2 x^{10} + 3 x^9 + x^8 + 3 x^7 + x^6 + 2 x^5 + 2 x^4 + x^3 + x^2 + x + 1}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A278581
Score: 2.28524
Type of gen. func.: ogf

$$-(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A278596
Score: 4.63186

Type of gen. func.: ogf

$$256 f(x)^2 x^4 - 32 f(x)^2 x^3 + 32 f(x) x^3 + 12 f(x) x^2 + 6 f(x) x + x^2 - f(x) + 2 x + 1$$

Sequence: A278612
Score: 14.8619
Type of gen. func.: ogf

$$-\frac{5 x^2 - 4 x + 3}{4 x^3 - 5 x^2 + 4 x - 1}$$

Sequence: A278612
Score: 8.02277
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 4 a(n), a(0) = 3, a(1) = 8, a(2) = 22\}$$

Sequence: A278612
Score: 8.0944
Type of gen. func.: ogf

$$(17 f(x) - 9) (4 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x + 5 x^2 - f(x) - 4 x + 3)$$

Sequence: A278612
Score: 8.63403
Type of gen. func.: lgdogf

$$-\frac{-20 x^4 + 32 x^3 - 36 x^2 + 20 x - 8}{-20 x^5 + 41 x^4 - 52 x^3 + 36 x^2 - 16 x + 3}$$

Sequence: A278613
Score: 3.14936
Type of gen. func.: ogf

3 2 2

```
    -(2 f(x) + 103) (6 f(x) x  + 2 f(x) x  + f(x) x + 7 x  - f(x) + 5 x + 3)



------------------------------------------------------------------------------

Sequence:  A278613
Score: 3.26084
Type of gen. func.: ogf


   {a(n + 3) - a(n + 2) - 2 a(n + 1) - 6 a(n), a(0) = 3, a(1) = 8, a(2) = 21}



------------------------------------------------------------------------------

Sequence:  A278613
Score: 6.04057
Type of gen. func.: ogf


                                    2
                                 7 x  + 5 x + 3
                             - -------------------
                                  3      2
                               6 x  + 2 x  + x - 1



------------------------------------------------------------------------------

Sequence:  A278614
Score: 3.39339
Type of gen. func.: ogf


  {-a(n + 3) + 3 a(n + 2) + a(n + 1) - 4 a(n), a(0) = 3, a(1) = 8, a(2) = 22}



------------------------------------------------------------------------------

Sequence:  A278614
Score: 3.3934
Type of gen. func.: ogf


                             3         2                 2
     (55 f(x) - 51) (4 f(x) x  - f(x) x  - 3 f(x) x + 5 x  + f(x) + x - 3)



------------------------------------------------------------------------------

Sequence:  A278614
Score: 6.28611
Type of gen. func.: ogf


                                     2
                                  5 x  + x - 3
                             - -------------------
                                  3    2
                               4 x  - x  - 3 x + 1



------------------------------------------------------------------------------

Sequence:  A278615
```

Score: 16.7374
Type of gen. func.: ogf

$$-\frac{7x^2-2x-3}{6x^3-4x^2-2x+1}$$

Sequence: A278615
Score: 8.57967
Type of gen. func.: ogf

$$-(160 f(x)+437)(6 f(x) x^3-4 f(x) x^2-2 f(x) x+7 x^2+f(x)-2 x-3)$$

Sequence: A278615
Score: 9.03522
Type of gen. func.: ogf

$$\{a(n+3)-2 a(n+2)-4 a(n+1)+6 a(n), a(0)=3, a(1)=8, a(2)=21\}$$

Sequence: A278615
Score: 9.81712
Type of gen. func.: lgdogf

$$-\frac{-42x^4+24x^3+32x^2-10x-8}{-42x^5+40x^4+24x^3-23x^2-4x+3}$$

Sequence: A278616
Score: 3.17651
Type of gen. func.: ogf

$$-(13 f(x)-4)(f(x) x^3+4 f(x) x^2+f(x) x+x^2-f(x)+5 x+3)$$

Sequence: A278616
Score: 3.26084
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+2)+4 a(n+1)+a(n), a(0)=3, a(1)=8, a(2)=21\}$$

Sequence: A278616
Score: 6.04057
Type of gen. func.: ogf

$$-\frac{x^2 + 5x + 3}{x^3 + 4x^2 + x - 1}$$

Sequence: A278620
Score: 10.7169
Type of gen. func.: lgdogf

$$-\frac{3x^2 - 198x + 99}{x^3 - 99x^2 + 99x - 1}$$

Sequence: A278620
Score: 17.1969
Type of gen. func.: ogf

$$-\frac{x}{(x - 1)(x^2 - 98x + 1)}$$

Sequence: A278620
Score: 6.48656
Type of gen. func.: ogf

$$\{a(n + 3) - 99 a(n + 2) + 99 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 99\}$$

Sequence: A278620
Score: 9.36036
Type of gen. func.: ogf

$$f(x) x^3 - 99 f(x) x^2 + 99 f(x) x - f(x) + x$$

Sequence: A278665
Score: 5.49519
Type of gen. func.: ogf

$$(1000000 x^{10} - 1000000 x^{7} + 10000 x^{6} + 9900 x^{5} - 100 x^{4} - 99 x^{3} - 99 x^{2} + x + 1) \Big/ ((x - 1) (10 x - 1) (x + 1) (x^{2} + 1))$$

Sequence: A278666
Score: 6.74548
Type of gen. func.: ogf

$$\frac{16 x^{10} - 2 x^{7} + 4 x^{6} - 6 x^{5} - 4 x^{4} + 6 x^{3} + 3 x^{2} + 2 x + 1}{(2 x - 1) (2 x + 1) (x - 1) (4 x^{2} + 1)}$$

Sequence: A278667
Score: 6.86120
Type of gen. func.: ogf

$$\frac{64 x^{10} - 64 x^{7} + 16 x^{6} + 12 x^{5} - 4 x^{4} - 3 x^{3} - 3 x^{2} + x + 1}{(x - 1) (2 x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A278668
Score: 12.3617
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^{4} + 3 x^{3} + 3 x^{2} + 3 x + 3}{x^{5} - 1}$$

Sequence: A278670
Score: 3.78084
Type of gen. func.: ogf

$$\{(73 n^{2} + 959 n + 2970) a(n + 1) + (-149 n^{2} - 1327 n - 1818) a(n + 2) + (76 n^{2} + 350 n + 366) a(n + 3), a(0) = 1, a(1) = 8, a(2) = 33\}$$

Sequence: A278670
Score: 6.98555
Type of gen. func.: ogf

$$-\frac{x^3 - 2\,x^2 + x + 1}{(x - 1)^7}$$

Sequence: A278670
Score: 9.65109
Type of gen. func.: lgdogf

$$-\frac{4\,x^3 - 7\,x^2 + 2\,x + 8}{x^4 - 3\,x^3 + 3\,x^2 - 1}$$

Sequence: A278671
Score: 3.58592
Type of gen. func.: ogf

$$\frac{x^7 - 5\,x^6 + 8\,x^5 + x^4 - 19\,x^3 + 26\,x^2 - 15\,x + 4}{(x - 1)^{12}}$$

Sequence: A278680
Score: 12.5874
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3\,x^4 + 4\,x^3 + 4\,x^2 + 4\,x + 4}{x^5 - 1}$$

Sequence: A278681
Score: 12.2708
Type of gen. func.: ogf

```
                3    2
```

$$-\frac{x - x + 2 x - 3}{2 x^4 - 2 x^3 + 4 x^2 - 6 x + 1}$$

Sequence: A278681
Score: 6.79747
Type of gen. func.: ogf

$(10 f(x) - 11)$

$$(2 f(x) x^4 - 2 f(x) x^3 + 4 f(x) x^2 + x^3 - 6 f(x) x - x^2 + f(x) + 2 x - 3)$$

Sequence: A278681
Score: 6.84673
Type of gen. func.: lgdogf

$$-\frac{-2 x^6 + 4 x^5 - 10 x^4 + 20 x^3 - 17 x^2 + 22 x - 16}{-2 x^7 + 4 x^6 - 10 x^5 + 20 x^4 - 21 x^3 + 25 x^2 - 20 x + 3}$$

Sequence: A278682
Score: 4.28882
Type of gen. func.: ogf

$$-\frac{x^2 (2 x^8 - 2 x^7 - 15 x^6 + 75 x^4 + 66 x^3 + 83 x^2 + 24 x + 7)}{(x + 1)^4 (x - 1)^7}$$

Sequence: A278689
Score: 6.61304
Type of gen. func.: ogf

$$64 f(x)^2 x - 16 f(x) x^2 + x^3 - 8 f(x)^2 + 10 f(x) x + 2 x^2 - f(x) + x$$

Sequence: A278690
Score: 16.7882
Type of gen. func.: ogf_with_Euler_transform]

2

$$-\frac{x + 2 x + 2}{x^{3} - 1}$$

Sequence: A278692
Score: 11.5545
Type of gen. func.: ogf

$$-\frac{x^{3} - x^{2} + 2 x - 4}{x^{4} - x^{3} + 2 x^{2} - 4 x + 1}$$

Sequence: A278692
Score: 6.09382
Type of gen. func.: ogf

{-a(n + 4) + 4 a(n + 3) - 2 a(n + 2) + a(n + 1) - a(n), a(0) = 4, a(1) = 14,

a(2) = 49, a(3) = 171}

Sequence: A278692
Score: 6.40071
Type of gen. func.: ogf

$$(21 f(x) - 19)$$

$$(f(x) x^{4} - f(x) x^{3} + 2 f(x) x^{2} + x^{3} - 4 f(x) x - x^{2} + f(x) + 2 x - 4)$$

Sequence: A278706
Score: 16.9638
Type of gen. func.: ogf

$$\frac{1}{x^{6} - x^{5} - x^{3} - x + 1}$$

Sequence: A278706
Score: 9.89554
Type of gen. func.: lgdogf

$$^{5} \qquad ^{4} \qquad ^{2}$$

$$-\frac{6x - 5x - 3x - 1}{x^6 - x^5 - x^3 - x + 1}$$

Sequence: A278708
Score: 3.48483
Type of gen. func.: ogf

$$-(113 f(x) - 12218) (f(x) x^2 + f(x) x - f(x) - 10 x + 154)$$

Sequence: A278708
Score: 3.97108
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 154, a(1) = 144\}$$

Sequence: A278708
Score: 7.11485
Type of gen. func.: ogf

$$\frac{2 (5 x - 77)}{x^2 + x - 1}$$

Sequence: A278710
Score: 12.6033
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^2 - 2 x - 2}{-x^4 + 2 x^2 - 1}$$

Sequence: A278718
Score: 9.74304
Type of gen. func.: ogf

$$\frac{x (x^3 - x^2 - 1)}{(x - 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A278753
Score: 7.88930
Type of gen. func.: ogf

$$\frac{1000 x^{5} - 1000 x^{3} + 100 x^{2} - 1}{(x - 1) (10 x + 1) (10 x - 1) (x + 1) (10 x^{2} - 1)}$$

Sequence: A278754
Score: 8.65745
Type of gen. func.: ogf

$$\frac{100 x^{5} - x^{3} + x^{2} - 1}{(x - 1) (10 x + 1) (10 x - 1) (x + 1) (10 x^{2} - 1)}$$

Sequence: A278755
Score: 10.0458
Type of gen. func.: ogf

$$\frac{8 x^{5} - 8 x^{3} + 4 x^{2} - 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1) (2 x^{2} - 1)}$$

Sequence: A278756
Score: 10.2599
Type of gen. func.: ogf

$$\frac{4 x^{5} - x^{3} + x^{2} - 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1) (2 x^{2} - 1)}$$

Sequence: A278757
Score: 6.15802
Type of gen. func.: ogf

```
                    7         6         5         4         3       2
```

$$-\frac{10100 x - 1100 x - 9101 x + 1011 x - 1010 x + 90 x - 1}{(x - 1) (10 x + 1) (10 x - 1) (x + 1)}$$

Sequence: A278758
Score: 6.00012
Type of gen. func.: ogf

$$-\frac{101000 x^7 - 11000 x^6 - 100910 x^5 + 11010 x^4 - 101 x^3 - 9 x^2 - 1}{(x - 1) (10 x + 1) (10 x - 1) (x + 1)}$$

Sequence: A278759
Score: 7.59916
Type of gen. func.: ogf

$$-\frac{20 x^7 - 12 x^6 - 13 x^5 + 11 x^4 - 10 x^3 + 2 x^2 - 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A278760
Score: 7.63872
Type of gen. func.: ogf

$$-\frac{40 x^7 - 24 x^6 - 38 x^5 + 26 x^4 - 5 x^3 - x^2 - 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A278764
Score: 8.09665
Type of gen. func.: ogf

$$-\frac{2 x^5 - x^4 + 5 x^3 - 4 x^2 + 2 x - 5}{(x - 1) (x^5 + 3 x^3 + 2 x - 1)}$$

Sequence: A278767
Score: 17.8518
Type of gen. func.: ogf_with_Euler_transform]

$$-3 x - 1$$

$$- \frac{}{-x^{3} + 3 x^{2} - 3 x + 1}$$

Sequence: A278768
Score: 17.0017
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-2 x - 1}{-x^{3} + 3 x^{2} - 3 x + 1}$$

Sequence: A278769
Score: 18.5057
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-4 x - 1}{-x^{3} + 3 x^{2} - 3 x + 1}$$

Sequence: A278772
Score: 3.90681
Type of gen. func.: ogf

$$- \frac{x (x^{6} - 5 x^{5} + 12 x^{4} - 14 x^{3} + 7 x^{2} - 2 x + 2)}{(x - 1)^{11}}$$

Sequence: A278815
Score: 8.62438
Type of gen. func.: ogf

$$- \frac{x^{3} + x^{2} + x - 1}{x^{6} + 2 x^{4} - 5 x^{3} - 2 x^{2} - 3 x + 1}$$

Sequence: A278816
Score: 12.2302
Type of gen. func.: lgdogf

$$-\frac{-7 x^3 + 21 x^2 - 14 x - 2}{7 x^4 - 14 x^3 + 7 x^2 - x + 1}$$

Sequence: A278816
Score: 17.8089
Type of gen. func.: ogf

$$-\frac{x (7 x^3 - 7 x^2 - 1)}{(x - 1)^2}$$

Sequence: A278816
Score: 7.99299
Type of gen. func.: ogf

$\{-a(n + 5) + 2 a(n + 4) - a(n + 3), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 10,$

$a(4) = 11\}$

Sequence: A278816
Score: 9.48704
Type of gen. func.: ogf

$$-(358 f(x) + 23749) (7 x^4 + f(x) x^2 - 7 x^3 - 2 f(x) x + f(x) - x)$$

Sequence: A278831
Score: 16.6283
Type of gen. func.: ogf

$$\frac{18 x^3 + x^2 - 20}{x - 1}$$

Sequence: A278831
Score: 8.56608
Type of gen. func.: ogf

$\{a(n + 4) - a(n + 3), a(0) = 20, a(1) = 20, a(2) = 19, a(3) = 1\}$

Sequence: A278831
Score: 8.83377
Type of gen. func.: ogf

$$-(104688 f(x) - 6642359) (-18 x^3 + f(x) x - x^2 - f(x) + 20)$$

Sequence: A278831
Score: 9.74761
Type of gen. func.: lgdogf

$$-\frac{-36 x^3 + 53 x^2 + 2 x - 20}{18 x^4 - 17 x^3 - x^2 - 20 x + 20}$$

Sequence: A278929
Score: 15.5791
Type of gen. func.: ogf

$$-\frac{1}{x^{27} + x^8 - 1}$$

Sequence: A278929
Score: 9.39689
Type of gen. func.: lgdogf

$$-\frac{-27 x^{26} - 8 x^7}{-x^{27} - x^8 + 1}$$

Sequence: A278930
Score: 7.75055
Type of gen. func.: ogf

$$-\frac{3432 x^5 - 5198 x^4 + 1869 x^3 - 124 x^2 + 22 x + 2}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A278969
Score: 51.2334
Type of gen. func.: ogf_with_Euler_transform]

$$-6 x^{9} - x^{8} + 7$$

Sequence: A278971
Score: 68.6438
Type of gen. func.: ogf_with_Euler_transform]

$$-7 x^{9} - x^{8} + 8$$

Sequence: A278988
Score: 5.76252
Type of gen. func.: ogf

$$-\frac{x^{2} (12 x^{7} - 52 x^{6} + 97 x^{5} - 100 x^{4} + 71 x^{3} - 34 x^{2} + 9 x - 1)}{(3 x - 1) (2 x - 1)^{2} (x - 1)^{3}}$$

Sequence: A278990
Score: 13.5247
Type of gen. func.: lgdegf]

$$\frac{-1 + (-2 x + 1)^{1/2}}{2 x - 1}$$

Sequence: A278990
Score: 3.30180
Type of gen. func.: ogf

$$\{(n + 2) a(n + 1) + (2 n^{2} + 8 n + 6) a(n + 2) + (-2 n^{2} - 16 n - 30) a(n + 3)$$

$$+ (n + 4) a(n + 4), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 5\}$$

Sequence: A278991

Score: 3.74052
Type of gen. func.: ogf

$$\{(2 n + 4) a(n + 1) + (4 n + 13) a(n + 2) + (2 n + 7) a(n + 3) - a(n + 4),$$

$$a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 24\}$$

Sequence: A278991
Score: 7.52261
Type of gen. func.: lgdegf]

$$\frac{\left(- \frac{4 x^{2} + 6 x - 1}{2 (2 x - 1)^{3/2}} - 1/2\, I\right) (2 x - 1)^{1/2}}{x}$$

Sequence: A279005
Score: 7.45440
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{4 x^{8} + x^{7} + x^{6} + 7 x^{5} + x^{4} + x^{3} + 7 x^{2} + x + 1}{-x^{9} + 1}$$

Sequence: A279014
Score: 4.34334
Type of gen. func.: ogf

$$-4 f(x)^{2} x^{3} - 15 f(x)^{2} x^{2} + 4 f(x) x^{3} + 8 f(x)^{2} x + 7 f(x) x^{2} - x^{3} - f(x)^{2}$$

$$- 6 f(x) x + f(x)$$

Sequence: A279015
Score: 7.04163
Type of gen. func.: ogf

$$- \frac{x^{2} (x^{10} - 3 x^{9} + 5 x^{8} - 5 x^{7} + 3 x^{6} - x^{5} + 2 x^{2} - 2 x + 4)}{(x - 1)^{3}}$$

Sequence: A279019
Score: 10.0965
Type of gen. func.: ogf

$$f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x)$$

Sequence: A279019
Score: 18.1738
Type of gen. func.: ogf

$$-\frac{2 x^2}{(x - 1)^3}$$

Sequence: A279019
Score: 29.2079
Type of gen. func.: lgdogf

$$\frac{3}{-x + 1}$$

Sequence: A279019
Score: 62.5923
Type of gen. func.: ogf_with_Euler_transform]

[3]

Sequence: A279019
Score: 7.43474
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A279028
Score: 10.0798
Type of gen. func.: lgdogf

$$-400 x^3 + 202 x$$

$$- \frac{}{-100 x^4 + 101 x^2 - 1}$$

Sequence: A279028
Score: 15.7342
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (10 x + 1) (10 x - 1) (x + 1)}$$

Sequence: A279028
Score: 7.08905
Type of gen. func.: ogf

$$(10001 f(x) + 200) (100 f(x) x^4 - 101 f(x) x^2 + f(x) - 1)$$

Sequence: A279030
Score: 12.8400
Type of gen. func.: lgdogf

$$- \frac{-16 x^3 + 10 x}{-4 x^4 + 5 x^2 - 1}$$

Sequence: A279030
Score: 20.1275
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A279030
Score: 8.76138
Type of gen. func.: ogf

$$(341 f(x) + 284) (4 f(x) x^4 - 5 f(x) x^2 + f(x) - 1)$$

Sequence: A279031
Score: 12.6199
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3 x^{2} - 3 x - 3}{-x^{4} + 2 x^{2} - 1}$$

Sequence: A279034
Score: 6.52144
Type of gen. func.: ogf

$$\frac{2 x (x^{5} + 3 x^{4} + 8 x^{3} + 6 x^{2} + 7 x + 1)}{(x^{2} + 1) (x + 1)^{3} (x - 1)^{4}}$$

Sequence: A279042
Score: 5.61026
Type of gen. func.: ogf

$$-\frac{81 (55 x^{2} + 322 x + 55)}{(x - 1) (x^{2} - 322 x + 1) (x^{2} + 322 x + 1)}$$

Sequence: A279043
Score: 12.4902
Type of gen. func.: ogf

$$-\frac{63}{(x - 1) (x^{2} - 194 x + 1)}$$

Sequence: A279043
Score: 4.52401
Type of gen. func.: ogf

{a(n + 3) - 195 a(n + 2) + 195 a(n + 1) - a(n), a(0) = 63, a(1) = 12285,

a(2) = 2383290}

Sequence: A279043
Score: 4.91067
Type of gen. func.: ogf

$$(1416355783 f(x) - 36729) (f(x) x^3 - 195 f(x) x^2 + 195 f(x) x - f(x) + 63)$$

Sequence: A279043
Score: 7.97985
Type of gen. func.: lgdogf

$$-\frac{3 x^2 - 390 x + 195}{x^3 - 195 x^2 + 195 x - 1}$$

Sequence: A279053
Score: 16.2939
Type of gen. func.: ogf

$$\frac{1}{(10 x - 1) (10 x + 1) (x - 1)}$$

Sequence: A279053
Score: 5.66142
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 100 a(n + 1) + 100 a(n), a(0) = 1, a(1) = 1, a(2) = 101\}$$

Sequence: A279053
Score: 6.12888
Type of gen. func.: ogf

$$(10101 f(x) + 302) (100 f(x) x^3 - 100 f(x) x^2 - f(x) x + f(x) - 1)$$

Sequence: A279053
Score: 9.27844
Type of gen. func.: lgdogf

$$-\frac{-300 x^2 + 200 x + 1}{-100 x^3 + 100 x^2 + x - 1}$$

Sequence: A279093
Score: 7.82948
Type of gen. func.: ogf

$$\frac{122 x^5 - 377 x^4 + 272 x^3 + 241 x^2 - 412 x + 178}{(x - 1)^4}$$

Sequence: A279100
Score: 11.0533
Type of gen. func.: ogf

$$\frac{x^4 + x^3 + x^2 - x - 1}{(x + 1) (x^2 + x - 1) (x - 1)^2}$$

Sequence: A279101
Score: 11.4918
Type of gen. func.: ogf

$$\frac{x^4 + x^3 + 2 x^2 - x - 1}{(x + 1) (x^2 + 2 x - 1) (x - 1)^2}$$

Sequence: A279111
Score: 7.29737
Type of gen. func.: ogf

$$-\frac{x^2 (x^4 - x^3 + 3 x^2 + 5 x + 4)}{(x + 1)^3 (x - 1)^5}$$

Sequence: A279112

Score: 4.07820
Type of gen. func.: ogf

$$\frac{x^2 (x^9 - 8 x^8 + x^7 + 36 x^6 + 17 x^5 - 102 x^4 - 93 x^3 - 76 x^2 - 14 x - 2)}{(x + 1)^4 (x - 1)^7}$$

Sequence: A279118
Score: 11.1225
Type of gen. func.: ogf

$$\frac{10 x^2 + 1}{(x - 1) (10 x + 1) (10 x - 1) (x + 1)}$$

Sequence: A279118
Score: 6.38716
Type of gen. func.: ogf

$$(11011 f(x) + 1310) (100 f(x) x^4 - 101 f(x) x^2 - 10 x^2 + f(x) - 1)$$

Sequence: A279118
Score: 7.58946
Type of gen. func.: lgdogf

$$- \frac{-2000 x^5 - 400 x^3 + 222 x}{-1000 x^6 + 910 x^4 + 91 x^2 - 1}$$

Sequence: A279128
Score: 4.63599
Type of gen. func.: ogf

$$\frac{9 x^8 + x^7 - 22 x^6 - 17 x^5 + 30 x^4 + 9 x^3 - 16 x^2 + 5 x - 1}{(x - 1)^2 (x^2 + x - 1)^3}$$

Sequence: A279152

Score: 6.31112
Type of gen. func.: ogf

$$\frac{2 x^2 (6 x^3 - x^2 + 2 x - 2)}{(2 x - 1) (2 x^3 + x - 1)^2}$$

Sequence: A279162
Score: 3.55349
Type of gen. func.: ogf

$$- \frac{96 x^9 - 48 x^8 + 44 x^7 - 40 x^6 - 10 x^5 + 20 x^4 - 23 x^3 + 19 x^2 - 7 x + 1}{(2 x - 1)^2 (2 x^3 + x - 1)^3}$$

Sequence: A279169
Score: 9.39341
Type of gen. func.: ogf

$$- \frac{x^2 (x + 1) (3 x^2 - 2 x + 3)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A279193
Score: 10.5520
Type of gen. func.: ogf

$$\frac{10 x^3 - 4 x^2 + x + 1}{(x - 1) (10 x^2 - 1)}$$

Sequence: A279193
Score: 5.62772
Type of gen. func.: ogf

{a(n + 4) - a(n + 3) - 10 a(n + 2) + 10 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 8,

a(3) = 28}

Sequence: A279193
Score: 6.84452
Type of gen. func.: lgdogf

$$-\frac{60 x^4 + 40 x^3 - 14 x^2 - 12 x - 2}{100 x^6 - 140 x^5 + 40 x^4 + 14 x^3 - 15 x^2 + 1}$$

Sequence: A279193
Score: 7.59743
Type of gen. func.: ogf

$$10 f(x) x^3 - 10 f(x) x^2 - 10 x^3 - f(x) x + 4 x^2 + f(x) - x - 1$$

Sequence: A279204
Score: 8.40160
Type of gen. func.: ogf

$$-\frac{7200000 x^9 - 7398000 x^8 - 739980 x^7 - 71010 x^6 + 123 x - 1234}{(x - 1)^2}$$

Sequence: A279214
Score: 7.08607
Type of gen. func.: ogf

$$(f(x) - x - 1)^2$$

Sequence: A279215
Score: 15.6242
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x + 1}{-x^4 + 4 x^3 - 6 x^2 + 4 x - 1}$$

Sequence: A279216
Score: 14.4412

Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x + 1}{-x^4 + 4 x^3 - 6 x^2 + 4 x - 1}$$

Sequence: A279217
Score: 15.1102
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3 x + 1}{-x^4 + 4 x^3 - 6 x^2 + 4 x - 1}$$

Sequence: A279218
Score: 15.5563
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4 x + 1}{-x^4 + 4 x^3 - 6 x^2 + 4 x - 1}$$

Sequence: A279219
Score: 14.9044
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{5 x + 1}{-x^4 + 4 x^3 - 6 x^2 + 4 x - 1}$$

Sequence: A279230
Score: 12.4156
Type of gen. func.: lgdogf

$$-\frac{-8 x^2 + 10 x - 4}{-2 x^3 + 4 x^2 - 3 x + 1}$$

Sequence: A279230
Score: 16.4696

Type of gen. func.: ogf

$$\frac{1}{(2 x^2 - 2 x + 1) (x - 1)^2}$$

Sequence: A279230
Score: 4.03506
Type of gen. func.: ogf

{(n + 4) a(n + 4) + (-13 - 3 n) a(n + 3) + (18 + 4 n) a(n + 2)

+ (-10 - 2 n) a(n + 1), a(0) = 1, a(1) = 4, a(2) = 9, a(3) = 14}

Sequence: A279230
Score: 6.78162
Type of gen. func.: ogf

$$(32 f(x) + 49) (2 f(x) x^4 - 6 f(x) x^3 + 7 f(x) x^2 - 4 f(x) x + f(x) - 1)$$

Sequence: A279231
Score: 11.5107
Type of gen. func.: lgdogf

$$- \frac{-12 x^2 + 15 x - 5}{-3 x^3 + 6 x^2 - 4 x + 1}$$

Sequence: A279231
Score: 15.1941
Type of gen. func.: ogf

$$\frac{1}{(3 x^2 - 3 x + 1) (x - 1)^2}$$

Sequence: A279231
Score: 3.77963
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-17 - 4 n) a(n + 3) + (27 + 6 n) a(n + 2) + (-15 - 3 n) a(n + 1), a(0) = 1, a(1) = 5, a(2) = 15, a(3) = 34\}$$

Sequence: A279231
Score: 6.33088
Type of gen. func.: ogf

$$(27 f(x) + 22) (3 f(x) x^{4} - 9 f(x) x^{3} + 10 f(x) x^{2} - 5 f(x) x + f(x) - 1)$$

Sequence: A279241
Score: 4.58315
Type of gen. func.: ogf

$$(11656 f(x) - 103805901) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 1763 x^{2} - f(x) - 3356 x + 1601)$$

Sequence: A279241
Score: 4.99980
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1601, a(1) = 1447, a(2) = 1301\}$$

Sequence: A279241
Score: 8.64251
Type of gen. func.: ogf

$$- \frac{1763 x^{2} - 3356 x + 1601}{(x - 1)^{3}}$$

Sequence: A279245
Score: 12.0737
Type of gen. func.: ogf

$$- \frac{2 x^{3} + 2 x^{2} + 2 x + 1}{{}^{4} \qquad {}^{2}}$$

$$4 x + 2 x - 1$$

Sequence: A279245
Score: 7.40369
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 2) - 4 a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 6\}$$

Sequence: A279245
Score: 7.7702
Type of gen. func.: ogf

$$(4 f(x) - 1) (4 f(x) x^4 + 2 f(x) x^2 + 2 x^3 + 2 x^2 - f(x) + 2 x + 1)$$

Sequence: A279259
Score: 4.06888
Type of gen. func.: ogf

$$(8 x^{14} + 10 x^{12} - 89 x^{11} - 153 x^{10} - 1777 x^9 - 4173 x^8 - 2445 x^7 - 9489 x^6 - 9563 x^5 - 2427 x^4 - 4243 x^3 - 1735 x^2 - 159 x - 53) / ((x - 1)^5 (x^2 + x + 1)^5)$$

Sequence: A279260
Score: 12.7839
Type of gen. func.: lgdogf

$$- \frac{-24 x^2 + 12 x + 3}{-8 x^3 + 6 x^2 + 3 x - 1}$$

Sequence: A279260
Score: 18.7497
Type of gen. func.: ogf

$$\frac{6 x}{(x - 1) (2 x + 1) (4 x - 1)}$$

Sequence: A279260
Score: 7.53335
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + 6 a(n + 1) - 8 a(n), a(0) = 0, a(1) = 6, a(2) = 18\}$$

Sequence: A279260
Score: 8.19159
Type of gen. func.: ogf

$$-(f(x) + 2) (8 f(x) x^3 - 6 f(x) x^2 - 3 f(x) x + f(x) - 6 x)$$

Sequence: A279261
Score: 10.4426
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4 x^3 - 7 x^2 - 4 x - 3}{x^4 + x^3 - x - 1}$$

Sequence: A279262
Score: 7.53025
Type of gen. func.: lgdogf

$$-\frac{-9 x^4 - x^3 + 8 x^2 + 5 x - 5}{-3 x^5 - x^4 + 8 x^3 - x^2 - 5 x + 2}$$

Sequence: A279262
Score: 8.92474
Type of gen. func.: ogf

$$\frac{2 x (x + 1) (3 x - 2)}{(x - 1) (x^2 + x - 1)^2}$$

Sequence: A279263
Score: 5.63391
Type of gen. func.: ogf

$$\frac{2 x^{8} - 4 x^{7} + 5 x^{6} - 8 x^{5} + 6 x^{3} - 3 x^{2} + 2 x + 2}{(x^{3} + 2 x - 1)^{2}}$$

Sequence: A279269
Score: 11.7659
Type of gen. func.: ogf

$$- \frac{3 x^{2} - 2 x + 1}{(x - 1) (5 x^{2} - 8 x + 1)}$$

Sequence: A279269
Score: 6.23492
Type of gen. func.: ogf

$$(5137 f(x) - 637) (5 f(x) x^{3} - 13 f(x) x^{2} + 9 f(x) x + 3 x^{2} - f(x) - 2 x + 1)$$

Sequence: A279269
Score: 6.39899
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 13 a(n + 1) - 5 a(n), a(0) = 1, a(1) = 7, a(2) = 53\}$$

Sequence: A279269
Score: 6.94748
Type of gen. func.: lgdogf

$$- \frac{15 x^{4} - 20 x^{3} + 14 x^{2} - 20 x + 7}{15 x^{5} - 49 x^{4} + 58 x^{3} - 34 x^{2} + 11 x - 1}$$

Sequence: A279270
Score: 9.81523

Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4 x^5 - 4 x^4 - x^3 - 4 x^2 - x - 4}{x^6 - 1}$$

Sequence: A279275
Score: 3.63762
Type of gen. func.: ogf

$$(110066572839940134057 f(x) - 2701716282480965)$$

$$(f(x) x^3 - 1443 f(x) x^2 + 1443 f(x) x - f(x) + 25 x + 500)$$

Sequence: A279275
Score: 3.99054
Type of gen. func.: ogf

$$\{a(n + 3) - 1443 a(n + 2) + 1443 a(n + 1) - a(n), a(0) = 500, a(1) = 721525,$$

$$a(2) = 1040439075\}$$

Sequence: A279275
Score: 8.62471
Type of gen. func.: ogf

$$-\frac{25 (x + 20)}{(x - 1) (x^2 - 1442 x + 1)}$$

Sequence: A279277
Score: 11.8100
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{x^4 + 3 x^3 - x^2 - 3 x + 1}$$

Sequence: A279277
Score: 5.94807

Type of gen. func.: ogf

$$-(500 f(x) - 133)$$

$$(f(x) x^4 + 3 f(x) x^3 - f(x) x^2 - 3 f(x) x + x^2 + f(x) - x - 1)$$

Sequence: A279277
Score: 8.06819
Type of gen. func.: lgdogf

$$- \frac{-2 x^5 + 10 x^3 + 5 x^2 - 4}{-x^6 - 2 x^5 + 5 x^4 + 5 x^3 - 5 x^2 - 2 x + 1}$$

Sequence: A279283
Score: 8.14525
Type of gen. func.: lgdogf

$$- \frac{-4 x^4 + 16 x^3 - 24 x^2 + 8 x - 8}{-x^5 + 5 x^4 - 10 x^3 + 11 x^2 - 6 x + 1}$$

Sequence: A279284
Score: 6.36343
Type of gen. func.: ogf

$$- \frac{x (2 x + 1) (x^3 - 7 x^2 + x - 1) (x - 1)^3}{(x^3 - x^2 + 4 x - 1)^3}$$

Sequence: A279285
Score: 12.5528
Type of gen. func.: ogf

$$- \frac{x (x^2 + 2 x - 1)}{x^4 + 6 x^3 + 5 x^2 - 6 x + 1}$$

Sequence: A279285
Score: 7.83209
Type of gen. func.: lgdogf

$$-\frac{-2x^5-12x^4-20x^3+2x^2+12x-4}{-x^6-8x^5-16x^4+2x^3+16x^2-8x+1}$$

Sequence: A279285
Score: 8.25546
Type of gen. func.: ogf

$$f(x)\,x^4+6\,f(x)\,x^3+5\,f(x)\,x^2+x^3-6\,f(x)\,x+2\,x^2+f(x)-x$$

Sequence: A279289
Score: 7.82595
Type of gen. func.: ogf

$$-\frac{x^{20}-x^{19}+x^{15}-x^{14}+x^{10}-x^9+x^5+3x-5}{(x-1)^2}$$

Sequence: A279300
Score: 5.27821
Type of gen. func.: ogf

$$\frac{x\,(x^2+2x-1)\,(4x^4+4x^3+2x^2-4x+1)}{(2x^2+2x-1)^3}$$

Sequence: A279312
Score: 5.50734
Type of gen. func.: ogf

$$\{-a(n+4)+2\,a(n+2)+4\,a(n),\ a(0)=1,\ a(1)=2,\ a(2)=4,\ a(3)=8\}$$

Sequence: A279312
Score: 6.27718

Type of gen. func.: ogf

$$f(x) (4 f(x) x^4 + 2 f(x) x^2 + 4 x^3 + 2 x^2 - f(x) + 2 x + 1)$$

Sequence: A279312
Score: 8.98120
Type of gen. func.: ogf

$$-\frac{(2 x + 1) (2 x^2 + 1)}{4 x^4 + 2 x^2 - 1}$$

Sequence: A279313
Score: 24.8788
Type of gen. func.: ogf_with_Euler_transform]

$$x^{13} - 2 x^6 + 2$$

Sequence: A279313
Score: 7.71475
Type of gen. func.: ogf

$$-\frac{x (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x - 1) (x + 1) (x^6 - x^5 + x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A279316
Score: 19.4516
Type of gen. func.: ogf_with_Euler_transform]

$$x^6 - x^3 - x^2 + 2$$

Sequence: A279316
Score: 9.37149
Type of gen. func.: ogf

$$x (x + 1) (x^2 + 1) (x^2 + x + 1)$$

$$-\frac{\qquad}{(x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A279318
Score: 8.72586
Type of gen. func.: ogf

$$\frac{2 x^6 - x^5 + 5 x^4 - x^3 - x^2 - x + 3}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A279319
Score: 25.0269
Type of gen. func.: ogf_with_Euler_transform]

$$x^{15} - 2 x^7 + 2$$

Sequence: A279319
Score: 7.16938
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^4 + 1) (x^2 + 1)}{(x - 1) (x^8 + 1)}$$

Sequence: A279321
Score: 9.62359
Type of gen. func.: ogf

$$-\frac{(x^3 + 2 x^2 + x + 1) (x^3 + x^2 + 2 x + 1)}{(x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A279322
Score: 6.00397
Type of gen. func.: ogf

4 3 4 3 2

$$f(x) (4 f(x) x + 8 f(x) x + 2 x + 4 x - 4 f(x) x - 2 x + f(x))$$

Sequence: A279322
Score: 8.22765
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 - 12 x^2 + 2 x + 2}{-2 x^4 - 6 x^3 - x^2 + 4 x - 1}$$

Sequence: A279322
Score: 9.65855
Type of gen. func.: ogf

$$-\frac{2 x^2 (x^2 + 2 x - 1)}{(2 x^2 + 2 x - 1)^2}$$

Sequence: A279328
Score: 14.6056
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^3 + x^2 + 2 x + 1}{x^4 - 1}$$

Sequence: A279358
Score: 8.66238
Type of gen. func.: lgdegf]

$$\exp(x) x^3 + 6 \exp(x) x^2 + 7 \exp(x) x + \exp(x)$$

Sequence: A279361
Score: 10.0913
Type of gen. func.: lgdegf]

$$1/2 \exp(x) x^2 + 2 \exp(x) x + \exp(x)$$

Sequence: A279362
Score: 5.53221
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^9 + 2 x^8 - 2 x^7 + 2 x^6 - 2 x^5 + x^4 - 2 x^3 + 2 x^2 - 2 x + 2}{x^{10} - 1}$$

Sequence: A279365
Score: 5.42534
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^9 - 4 x^8 - 2 x^7 - 4 x^6 - 2 x^5 - 3 x^4 - 2 x^3 - 4 x^2 - 2 x - 4}{x^{10} - 1}$$

Sequence: A279378
Score: 7.75492
Type of gen. func.: ogf

$$-\frac{(x^2 + 1) (x + 1)}{x^5 + 3 x^4 + 2 x^3 + x^2 + 2 x - 1}$$

Sequence: A279411
Score: 12.3531
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4 x^2 - 4 x - 4}{-x^4 + 2 x^2 - 1}$$

Sequence: A279437
Score: 6.90235
Type of gen. func.: ogf

$$2 x (x^4 - x^3 - 33 x^2 - 25 x - 2)$$

$$\overline{(x-1)^{7}}$$

Sequence: A279437
Score: 8.64611
Type of gen. func.: lgdogf

$$-\frac{3x^{4}-168x^{2}-216x-39}{x^{5}-2x^{4}-32x^{3}+8x^{2}+23x+2}$$

Sequence: A279438
Score: 5.03995
Type of gen. func.: ogf

$$\frac{x(2x^{6}+57x^{5}-99x^{4}-904x^{3}-654x^{2}-81x-1)}{(x-1)^{9}}$$

Sequence: A279439
Score: 3.61741
Type of gen. func.: ogf

$$-\frac{9x^{2}(x^{7}-11x^{6}-165x^{5}+335x^{4}+1755x^{3}+1239x^{2}+201x+5)}{(x-1)^{11}}$$

Sequence: A279447
Score: 4.48201
Type of gen. func.: ogf

$$\frac{x(x^{8}+x^{7}-4x^{6}-55x^{5}-62x^{4}-79x^{3}-30x^{2}-11x-1)}{(x+1)^{4}(x-1)^{7}}$$

Sequence: A279460
Score: 4.57023
Type of gen. func.: ogf

$$-\frac{2 x (x + 1) (x^6 + x^5 + x^4 + 3 x^3 - 2 x^2 + 2 x - 1)}{(x^5 + 3 x^4 + 2 x^3 + x^2 + 2 x - 1)^2}$$

Sequence: A279483
Score: 7.53881
Type of gen. func.: ogf

$$-\frac{8 x^3 (4 x^3 + 11 x^2 + 2 x + 1)}{(x + 1)^4 (x - 1)^5}$$

Sequence: A279483
Score: 9.46047
Type of gen. func.: lgdogf

$$-\frac{-24 x^4 - 81 x^3 - 39 x^2 - 33 x - 3}{-4 x^5 - 11 x^4 + 2 x^3 + 10 x^2 + 2 x + 1}$$

Sequence: A279485
Score: 19.1842
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{15} - 1$$

Sequence: A279487
Score: 13.0813
Type of gen. func.: ogf

$$-\frac{2 x^{15} - 2 x^{14} + x - 2}{(x - 1)^2}$$

Sequence: A279498
Score: 6.32455

Type of gen. func.: ogf

$$-\frac{1000 x^{10} - 990 x^{6} - 10 x^{4} - 100 x^{2} - 1}{(x - 1) (10 x + 1) (10 x - 1) (x + 1) (100 x^{2} + 1)}$$

Sequence: A279499
Score: 6.20292
Type of gen. func.: ogf

$$-\frac{10000000 x^{10} + 99000 x^{6} - 1000 x^{4} - x^{2} - 1}{(x - 1) (10 x + 1) (10 x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A279500
Score: 8.50544
Type of gen. func.: ogf

$$-\frac{8 x^{10} - 6 x^{6} - 2 x^{4} - 4 x^{2} - 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1) (4 x^{2} + 1)}$$

Sequence: A279501
Score: 8.36762
Type of gen. func.: ogf

$$-\frac{128 x^{10} + 24 x^{6} - 8 x^{4} - x^{2} - 1}{(x^{2} + 1) (x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A279511
Score: 11.6854
Type of gen. func.: ogf

$$-\frac{28 x^{2} - 26 x + 5}{(x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A279511
Score: 5.93402
Type of gen. func.: ogf

```
-(4147 f(x) - 3315888)

              3            2                  2
    (10 f(x) x  - 17 f(x) x  + 8 f(x) x + 28 x  - f(x) - 26 x + 5)
```

Sequence: A279511
Score: 6.54788
Type of gen. func.: ogf

```
{-a(n + 3) + 8 a(n + 2) - 17 a(n + 1) + 10 a(n), a(0) = 5, a(1) = 14, a(2) = 55

    }
```

Sequence: A279511
Score: 6.66275
Type of gen. func.: lgdogf

```
                           4        3        2
                     -280 x  + 520 x  - 368 x  + 114 x - 14
                - ---------------------------------------------
                        5        4        3        2
                  -280 x  + 736 x  - 716 x  + 321 x  - 66 x + 5
```

Sequence: A279512
Score: 10.5571
Type of gen. func.: ogf

```
                                    2
                                34 x  - 35 x + 6
                         - ---------------------------
                           (x - 1) (6 x - 1) (2 x - 1)
```

Sequence: A279512
Score: 5.90355
Type of gen. func.: ogf

```
-(87170 f(x) + 640221)

              3            2                  2
    (12 f(x) x  - 20 f(x) x  + 9 f(x) x + 34 x  - f(x) - 35 x + 6)
```

Sequence: A279512
Score: 5.91561
Type of gen. func.: ogf

$$\{-a(n + 3) + 9 a(n + 2) - 20 a(n + 1) + 12 a(n), a(0) = 6, a(1) = 19, a(2) = 85\}$$

Sequence: A279523
Score: 4.25709
Type of gen. func.: ogf

$$-\frac{2 x (x - 1) (4 x^3 - 11 x^2 + x + 2)}{(4 x^4 - 11 x^3 + 6 x - 1)}$$

Sequence: A279538
Score: 4.95487
Type of gen. func.: ogf

$$(17235369 f(x) - 787766372129) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 3403 x^3 - 4 f(x) x - 9053 x^2 + f(x) + 8049 x - 2393)$$

Sequence: A279538
Score: 9.29735
Type of gen. func.: ogf

$$-\frac{3403 x^3 - 9053 x^2 + 8049 x - 2393}{(x - 1)^4}$$

Sequence: A279539
Score: 6.78218
Type of gen. func.: ogf

$$\frac{x (x^{35} + x^{34} - x^{27} - x^{22} - x^{21} - x^{19} - x^6 - x - 1)}{(x^{34} - x^{21} - 1) (x - 1)^2}$$

Sequence: A279553
Score: 8.52372
Type of gen. func.: ogf

$$-f(x)^3 - 2 f(x)^2 x + 4 f(x)^2 + f(x) x - 4 f(x) + 1$$

Sequence: A279557
Score: 4.32437
Type of gen. func.: ogf

$$\{(4 n^2 + 18 n + 20) a(n + 1) + (-5 n^2 - 24 n - 25) a(n + 2) + (n^2 + 6 n + 5) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A279557
Score: 5.38279
Type of gen. func.: ogf

$$f(x)^2 x^4 - 2 f(x)^2 x^3 + f(x)^2 x^2 + 4 f(x) x^3 - 8 f(x) x^2 + 5 f(x) x + 4 x^2 - f(x) - 4 x + 1$$

Sequence: A279561
Score: 4.14757
Type of gen. func.: ogf

$$\{(4 n^2 + 14 n + 12) a(n + 1) + (-5 n^2 - 18 n - 15) a(n + 2) + (n^2 + 4 n + 3) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A279561
Score: 5.63563
Type of gen. func.: ogf

$$-4 f(x)^2 x^3 + 9 f(x)^2 x^2 - 6 f(x)^2 x - 4 f(x) x^2 + f(x)^2 + 5 f(x) x - x^2 - f(x)$$

Sequence: A279561

Score: 7.85391
Type of gen. func.: lgdogf

$$\frac{-\frac{2 x^{2} + 2 x - 1}{(4 x - 1)^{1/2} (x - 1)} - I}{(4 x - 1)^{1/2} x}$$

Sequence: A279565
Score: 10.6242
Type of gen. func.: ogf

$$-f(x)^{3} x - f(x)^{3} + 4 f(x)^{2} - 4 f(x) + 1$$

Sequence: A279574
Score: 4.43893
Type of gen. func.: ogf

$$-(236 f(x) - 87)$$

$$(16 f(x) x^{4} - 64 f(x) x^{3} + 72 f(x) x^{2} - 16 f(x) x + 24 x^{2} + f(x) - 4 x)$$

Sequence: A279574
Score: 8.68761
Type of gen. func.: lgdogf

$$-\frac{-72 x^{2} + 64 x - 10}{-24 x^{3} + 52 x^{2} - 14 x + 1}$$

Sequence: A279574
Score: 8.68761
Type of gen. func.: ogf

$$-\frac{4 x (6 x - 1)}{(4 x^{2} - 8 x + 1)^{2}}$$

Sequence: A279575
Score: 3.70953
Type of gen. func.: ogf

$$\frac{2\,(64\,x^4 - 176\,x^3 + 144\,x^2 - 22\,x + 1)\,(2\,x - 1)^2}{(16\,x^3 - 36\,x^2 + 22\,x - 1)^2}$$

Sequence: A279581
Score: 3.91109
Type of gen. func.: ogf

$$-\frac{4\,x\,(x - 1)\,(x^2 - 3\,x + 1)\,(4\,x^2 + x + 1)}{(4\,x^4 - 11\,x^3 + 6\,x - 1)^2}$$

Sequence: A279592
Score: 7.37383
Type of gen. func.: ogf

$$\frac{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2}{x^7 + x^6 + 2\,x^5 + x^4 + 2\,x^3 + x^2 + 2\,x + 1}$$

Sequence: A279619
Score: 3.33261
Type of gen. func.: ogf

$$\{(-27\,n^2 - 81\,n - 60)\,a(n + 1) + (-26\,n^2 - 117\,n - 132)\,a(n + 2)$$

$$+ (n^2 + 6\,n + 9)\,a(n + 3),\ a(0) = 1,\ a(1) = 2,\ a(2) = 22\}$$

Sequence: A279634
Score: 11.6368
Type of gen. func.: lgdogf

$$-\frac{4\,x^2 + 5\,x + 3}{-2\,x^3 - x^2 + 2\,x + 1}$$

Sequence: A279634
Score: 14.0520
Type of gen. func.: ogf

$$\frac{(x + 1) (x - 1)^2}{2 x + 1}$$

Sequence: A279634
Score: 7.75789
Type of gen. func.: ogf

$$\{-a(n + 4) - 2 a(n + 3), a(0) = 1, a(1) = -3, a(2) = 5, a(3) = -9\}$$

Sequence: A279634
Score: 8.46314
Type of gen. func.: ogf

$$-(61 f(x) + 3) (-x^3 + 2 f(x) x + x^2 + f(x) + x - 1)$$

Sequence: A279637
Score: 6.85938
Type of gen. func.: lgdegf]

$$\exp(x) x^4 + 10 \exp(x) x^3 + 25 \exp(x) x^2 + 15 \exp(x) x + \exp(x)$$

Sequence: A279640
Score: 6.83475
Type of gen. func.: lgdegf]

$$\exp(x) (x^7 + 28 x^6 + 266 x^5 + 1050 x^4 + 1701 x^3 + 966 x^2 + 127 x + 1)$$

Sequence: A279651
Score: 4.48266
Type of gen. func.: ogf

$$\frac{32 x^6 - 192 x^5 + 264 x^4 - 436 x^3 + 156 x^2 - 21 x + 1}{(4 x^2 - 8 x + 1)^3}$$

Sequence: A279662
Score: 6.37436
Type of gen. func.: ogf

$$\{(-4 n^3 - 27 n^2 - 59 n - 42) a(n + 1) + 6 a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A279663
Score: 6.60757
Type of gen. func.: ogf

$$\{(-5 n^3 - 33 n^2 - 70 n - 48) a(n + 1) + 6 a(n + 2), a(0) = 1, a(1) = 1\}$$

Sequence: A279673
Score: 12.6664
Type of gen. func.: ogf

$$- \frac{4 x^2 + x + 1}{4 x^3 - x^2 + 2 x - 1}$$

Sequence: A279673
Score: 6.89864
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1) + 4 a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A279673
Score: 6.96078
Type of gen. func.: ogf

$$(5 f(x) + 4) (4 f(x) x^3 - f(x) x^2 + 2 f(x) x + 4 x^2 - f(x) + x + 1)$$

Sequence: A279673
Score: 8.49064
Type of gen. func.: lgdogf

$$-\frac{16 x^4 + 8 x^3 + 3 x^2 + 6 x + 3}{16 x^5 + 11 x^3 - 3 x^2 + x - 1}$$

Sequence: A279674
Score: 15.2362
Type of gen. func.: ogf

$$-\frac{x + 1}{4 x^3 - x^2 + 2 x - 1}$$

Sequence: A279674
Score: 7.20997
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) + a(n + 1) - 4 a(n), a(0) = 1, a(1) = 3, a(2) = 5}

Sequence: A279674
Score: 7.83997
Type of gen. func.: ogf

$$(9 f(x) + 4) (4 f(x) x^3 - f(x) x^2 + 2 f(x) x - f(x) + x + 1)$$

Sequence: A279674
Score: 9.96935
Type of gen. func.: lgdogf

$$-\frac{8 x^3 + 11 x^2 - 2 x + 3}{4 x^4 + 3 x^3 + x^2 + x - 1}$$

Sequence: A279675
Score: 12.0235
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)\,(x - 1)^2}{2\,x^2 + x + 1}$$

Sequence: A279675
Score: 5.86747
Type of gen. func.: ogf

$$\{a(n + 5) + a(n + 4) + 2\,a(n + 3),\ a(0) = 1,\ a(1) = -2,\ a(2) = 0,\ a(3) = 3,\ a(4) = -2\}$$

Sequence: A279675
Score: 6.98509
Type of gen. func.: ogf

$$(187\,f(x) + 120)\,(-x^4 + 2\,f(x)\,x^2 + x^3 + f(x)\,x + f(x) + x - 1)$$

Sequence: A279675
Score: 7.63994
Type of gen. func.: lgdogf

$$-\frac{4\,x^4 + 5\,x^3 + 7\,x^2 + 6\,x + 2}{-2\,x^5 - x^4 - x^3 + 2\,x^2 + x + 1}$$

Sequence: A279676
Score: 11.9483
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)\,(x - 1)^2}{2\,x^2 + 2\,x + 1}$$

Sequence: A279676
Score: 5.78449
Type of gen. func.: ogf

$\{a(n + 5) + 2 a(n + 4) + 2 a(n + 3), a(0) = 1, a(1) = -3, a(2) = 4, a(3) = -3,$

$a(4) = -1\}$

Sequence: A279676
Score: 7.00813
Type of gen. func.: ogf

$$(316 f(x) + 55) (-x^4 + 2 f(x) x^2 + x^3 + 2 f(x) x + f(x) + x - 1)$$

Sequence: A279676
Score: 7.59215
Type of gen. func.: lgdogf

$$- \frac{-4 x^4 - 8 x^3 - 8 x^2 - 7 x - 3}{2 x^5 + 2 x^4 + x^3 - 2 x^2 - 2 x - 1}$$

Sequence: A279677
Score: 10.5373
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1) (x - 1)^2}{2 x^3 + x^2 + x + 1}$$

Sequence: A279677
Score: 4.66072
Type of gen. func.: ogf

$\{-a(n + 4) - a(n + 3) - a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = -2, a(2) = 1,$

$a(3) = -1, a(4) = 3, a(5) = -3\}$

Sequence: A279678
Score: 10.7783
Type of gen. func.: ogf

$$(x^2 + 1) (x + 1) (x - 1)^2$$

$$\overline{2 x^{3} + 2 x^{2} + 2 x + 1}$$

Sequence: A279678
Score: 4.76733
Type of gen. func.: ogf

$\{-a(n + 4) - 2 a(n + 3) - 2 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = -3,$
$a(2) = 4, a(3) = -4, a(4) = 5, a(5) = -9\}$

Sequence: A279682
Score: 8.48060
Type of gen. func.: ogf

$$-\frac{6 x^{3} - x^{2} - 1}{(x + 1) (2 x - 1) (4 x^{3} - x^{2} + 2 x - 1)}$$

Sequence: A279683
Score: 3.47732
Type of gen. func.: egf]

$\{(2 n + 4) a(n + 1) + (-5 n - 13) a(n + 2) + (4 n + 13) a(n + 3)$
$+ (-n - 4) a(n + 4), a(0) = 0, a(1) = 0, a(2) = 1/2, a(3) = 3/2\}$

Sequence: A279684
Score: 8.68144
Type of gen. func.: ogf

$$-\frac{4 x^{4} - 2 x^{3} + 3 x^{2} - 1}{(x + 1) (2 x - 1) (4 x^{3} - x^{2} + 2 x - 1)}$$

Sequence: A279685
Score: 5.82405
Type of gen. func.: ogf

$$4 x^{9} + 7 x^{8} - 4 x^{7} - 4 x^{6} + 2 x^{5} - 6 x^{4} + 5 x^{3} - 3 x^{2} + 2 x - 1$$

$$- \overline{(x - 1) (4 x^3 - x^2 + 2 x - 1)}$$

Sequence: A279704
Score: 10.3156
Type of gen. func.: ogf

$$- \frac{(x - 1)^2}{2 x^3 - 5 x^2 + 5 x - 1}$$

Sequence: A279704
Score: 5.56862
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 3, a(2) = 11\}$$

Sequence: A279704
Score: 5.56863
Type of gen. func.: ogf

$$(39 f(x) - 19) (2 f(x) x^3 - 5 f(x) x^2 + 5 f(x) x + x^2 - f(x) - 2 x + 1)$$

Sequence: A279704
Score: 7.76857
Type of gen. func.: lgdogf

$$- \frac{-2 x^3 + 6 x^2 - 5 x + 3}{-2 x^4 + 7 x^3 - 10 x^2 + 6 x - 1}$$

Sequence: A279705
Score: 3.56750
Type of gen. func.: ogf

$$\frac{x^8 - 11 x^7 + 40 x^6 - 82 x^5 + 105 x^4 - 85 x^3 + 48 x^2 - 16 x + 2}{x^8 - 9 x^7 + 32 x^6 - 64 x^5 + 78 x^4 - 61 x^3 + 33 x^2 - 10 x + 1}$$

Sequence: A279710
Score: 6.04658
Type of gen. func.: ogf

$$-\frac{5 x^6 + 8 x^4 - 3 x^3 - 4 x^2 + 7 x - 4}{(x - 1) (x + 1) (x^3 + x^2 - x + 1) (x^3 + 2 x - 1)}$$

Sequence: A279735
Score: 10.1372
Type of gen. func.: ogf

$$-\frac{2 x (2 x - 1)}{(x^2 - 3 x + 1)^2}$$

Sequence: A279735
Score: 10.2932
Type of gen. func.: lgdogf

$$-\frac{-6 x^2 + 10 x - 4}{-2 x^3 + 7 x^2 - 5 x + 1}$$

Sequence: A279735
Score: 3.37907
Type of gen. func.: ogf

$$\{(-3 - n) a(n + 4) + (14 + 5 n) a(n + 3) + (-17 - 7 n) a(n + 2)$$
$$+ (6 + 2 n) a(n + 1), a(0) = 0, a(1) = 2, a(2) = 8, a(3) = 26\}$$

Sequence: A279735
Score: 5.14658
Type of gen. func.: ogf

$$-(5 f(x) - 2) (f(x) x^4 - 6 f(x) x^3 + 11 f(x) x^2 - 6 f(x) x + 4 x^2 + f(x) - 2 x)$$

Sequence: A279736
Score: 5.01184
Type of gen. func.: ogf

$$\frac{(2x-1)(x-1)(4x^{4}-13x^{3}+17x^{2}-8x+2)}{(2x^{3}-5x^{2}+5x-1)^{2}}$$

Sequence: A279742
Score: 9.08589
Type of gen. func.: ogf

$$\frac{2x(2x^{3}+x^{2}-1)}{(x-1)(x^{2}+x-1)^{2}}$$

Sequence: A279758
Score: 11.0590
Type of gen. func.: ogf

$$\frac{x^{48}+x^{36}+x^{24}+x^{12}+2}{(x-1)(2x^{48}+x^{12}-2)}$$

Sequence: A279760
Score: 18.7370
Type of gen. func.: ogf

$$1/((x+1)(x^{2}+1)(x^{2}+x+1)(x^{6}+x^{3}+1)(x^{18}+x^{9}+1)(x^{4}+1)(x-1)^{2})$$

Sequence: A279761
Score: 14.6667
Type of gen. func.: ogf_with_Euler_transform]

```
                        2
                       x  + 2 x + 1
             - ----------------------------
                  4      3      2
```

$$-x + 4 x - 6 x + 4 x - 1$$

Sequence: A279762
Score: 14.3964
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{6 x^2 + 8 x + 1}{-x^4 + 4 x^3 - 6 x^2 + 4 x - 1}$$

Sequence: A279763
Score: 13.2762
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{10 x^2 + 16 x + 1}{-x^4 + 4 x^3 - 6 x^2 + 4 x - 1}$$

Sequence: A279766
Score: 8.05715
Type of gen. func.: ogf

$$\frac{x (2 x^{10} + x^9 + 1)}{(x + 1) (x^2 + 1) (x^8 - x^6 + x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A279778
Score: 9.24660
Type of gen. func.: ogf

$$\frac{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}{2 x^4 + x^3 + x^2 + x + 1}$$

Sequence: A279779
Score: 9.40148
Type of gen. func.: ogf

$$\frac{(x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2}{2\,x^4 + x^3 + 2\,x^2 + x + 1}$$

Sequence: A279780
Score: 9.41936
Type of gen. func.: ogf

$$\frac{(x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2}{(x + 1)\,(2\,x^3 + x + 1)}$$

Sequence: A279781
Score: 9.64025
Type of gen. func.: ogf

$$\frac{(x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2}{2\,x^4 + 2\,x^3 + 2\,x^2 + 2\,x + 1}$$

Sequence: A279840
Score: 55.6592
Type of gen. func.: lgdegf]

$$\exp(x^2)$$

Sequence: A279851
Score: 6.83641
Type of gen. func.: lgdogf

$$-\frac{-30\,x^4 + 7\,x^3 + 19\,x^2 + x - 5}{-10\,x^5 + 3\,x^4 + 15\,x^3 - 5\,x^2 - 5\,x + 2}$$

Sequence: A279851
Score: 9.23839
Type of gen. func.: ogf

$$\frac{2 x (5 x^2 + x - 2)}{(x - 1) (x + 1)^2 (2 x - 1)^2}$$

Sequence: A279852
Score: 5.40027
Type of gen. func.: ogf

$$\frac{16 x^8 + 12 x^6 - 36 x^5 + x^4 - 8 x^3 + 13 x^2 + 2 x + 2}{(2 x^3 + x^2 + 2 x - 1)^2}$$

Sequence: A279865
Score: 11.4842
Type of gen. func.: lgdogf

$$- \frac{-6 x^2 + 12 x}{-2 x^3 + x^2 + 2 x - 1}$$

Sequence: A279865
Score: 3.59248
Type of gen. func.: ogf

{(n + 3) a(n + 4) + (-4 - 2 n) a(n + 3) + (-13 - n) a(n + 2)

+ (6 + 2 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 0, a(3) = 6}

Sequence: A279865
Score: 7.07610
Type of gen. func.: ogf

$$\frac{x (x - 1)^3}{(x + 1)^3 (2 x - 1)^3}$$

Sequence: A279866
Score: 4.48272

Type of gen. func.: ogf

$$\frac{80 x^8 + 44 x^7 - 94 x^6 - 92 x^5 + 56 x^4 + 39 x^3 - 17 x^2 + x - 1}{(x - 1)^2 (x + 1)^3 (2 x - 1)^3}$$

Sequence: A279872
Score: 13.2582
Type of gen. func.: ogf

$$\frac{2 x^2 + 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A279872
Score: 7.47534
Type of gen. func.: ogf

$$(765 f(x) + 1636) (4 f(x) x^4 - 5 f(x) x^2 - 2 x^2 + f(x) - 1)$$

Sequence: A279872
Score: 9.36909
Type of gen. func.: lgdogf

$$- \frac{-16 x^5 - 16 x^3 + 14 x}{-8 x^6 + 6 x^4 + 3 x^2 - 1}$$

Sequence: A279875
Score: 5.46096
Type of gen. func.: ogf

$$(16 x^{14} - 16 x^{12} - x^{10} + 2 x^9 - 3 x^8 + 6 x^7 + 4 x^6 - 5 x^4 + 6 x^3 + 4 x^2 + x + 1) \Big/ ((x - 1) (2 x + 1) (2 x - 1) (x + 1) (4 x^2 + 1))$$

Sequence: A279876

Score: 5.12712
Type of gen. func.: ogf

$$(1024 x^{14} - 256 x^{12} - 1024 x^{10} + 256 x^{9} + 192 x^{8} - 48 x^{7} + 16 x^{6} - 20 x^{4} + 6 x^{3} + x^{2} + 2 x + 1) / ((x^{2} + 1) (x - 1) (2 x + 1) (2 x - 1) (x + 1))$$

Sequence: A279877
Score: 6.32458
Type of gen. func.: ogf

$$- \frac{1000 x^{8} - 1110 x^{6} + 111 x^{4} - 10 x^{3} - 101 x^{2} + 10 x + 1}{(x - 1) (10 x + 1) (10 x - 1) (x + 1) (10 x^{2} - 1)}$$

Sequence: A279878
Score: 5.99057
Type of gen. func.: ogf

$$- \frac{100000 x^{8} - 111000 x^{6} + 11100 x^{4} - 100 x^{3} - 101 x^{2} + x + 1}{(x - 1) (10 x + 1) (10 x - 1) (x + 1) (10 x^{2} - 1)}$$

Sequence: A279879
Score: 7.98779
Type of gen. func.: ogf

$$- \frac{8 x^{8} - 14 x^{6} + 7 x^{4} - 2 x^{3} - 5 x^{2} + 2 x + 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1) (2 x^{2} - 1)}$$

Sequence: A279880
Score: 7.82961
Type of gen. func.: ogf

$$- \frac{32 x^{8} - 56 x^{6} + 28 x^{4} - 4 x^{3} - 5 x^{2} + x + 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1) (2 x^{2} - 1)}$$

Sequence: A279890
Score: 13.2821
Type of gen. func.: ogf

$$-\frac{x\,(x^4 - 2\,x^3 + x - 1)}{(x - 1)\,(x + 1)\,(x^2 - x + 1)\,(x^2 + x - 1)}$$

Sequence: A279895
Score: 15.8653
Type of gen. func.: ogf

$$\frac{x\,(3\,x - 8)}{(x - 1)^3}$$

Sequence: A279895
Score: 18.0864
Type of gen. func.: lgdogf

$$-\frac{-6\,x + 21}{-3\,x^2 + 11\,x - 8}$$

Sequence: A279895
Score: 7.93263
Type of gen. func.: ogf

$$(1525\,f(x) - 11739)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x - 3\,x^2 - f(x) + 8\,x)$$

Sequence: A279895
Score: 8.07429
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 0,\ a(1) = 8,\ a(2) = 21\}$$

Sequence: A279896

Score: 7.88360
Type of gen. func.: ogf

$$\frac{2 x (2 x^2 - 1) (2 x^3 + 4 x^2 + x - 2)}{(x + 1)^2 (2 x - 1)^2}$$

Sequence: A279897
Score: 6.63568
Type of gen. func.: ogf

$$\frac{12 x^6 + 8 x^5 + 8 x^4 - 8 x^3 - 9 x^2 + 2 x + 2}{(x + 1)^2 (2 x - 1)^2}$$

Sequence: A279905
Score: 4.41854
Type of gen. func.: ogf

$$\{(n^2 + 3 n) a(n) + (-4 + 2 n) a(n + 1) + (-n^2 + 3 n - 2) a(n + 2), a(0) = 0,$$
$$a(1) = 0, a(2) = 0, a(3) = 16, a(4) = 72\}$$

Sequence: A279905
Score: 7.52002
Type of gen. func.: ogf

$$- \frac{8 x^3 (5 x^2 + 5 x + 2)}{(x + 1)^3 (x - 1)^5}$$

Sequence: A279905
Score: 9.42267
Type of gen. func.: lgdogf

$$- \frac{30 x^3 + 45 x^2 + 36 x + 9}{5 x^4 + 5 x^3 - 3 x^2 - 5 x - 2}$$

Sequence: A279918
Score: 8.90517
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4x^5 - x^4 - x^3 - 5x - 1}{x^6 - x^4 + x^2 - 1}$$

Sequence: A279932
Score: 13.4301
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-5x^2 - 5x - 5}{-x^4 + 2x^2 - 1}$$

Sequence: A279946
Score: 5.41985
Type of gen. func.: ogf

$$-\frac{x^4 + 10395x^3 + 64258x^2 + 10395x + 1}{(x - 1)(x^2 + 502x + 1)(x^2 - 502x + 1)}$$

Sequence: A279947
Score: 4.06410
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^9 + x^8 + x^7 - 3x^6 - x^5 + 2x^4 - x^3 - 3x^2 + 3x - 1}{x^{10} - x^9 + x^8 - x^2 + x - 1}$$

Sequence: A279955
Score: 8.02278
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4x^7 + 2x^6 + 2x^5 + 2x^4 + 8x^3 + 2x^2 + 2x + 2}{{}^{8}}$$

$$-x + 1$$

Sequence: A279959
Score: 6.74432
Type of gen. func.: ogf

$$-\frac{10100 x^{6} - 1000 x^{5} + 799 x^{4} - 90 x^{3} + 91 x^{2} - 10 x - 1}{(x - 1) (10 x + 1) (10 x - 1) (x + 1)}$$

Sequence: A279960
Score: 6.81392
Type of gen. func.: ogf

$$-\frac{10100 x^{6} - 100 x^{5} - 10190 x^{4} + 90 x^{3} + 91 x^{2} - x - 1}{(x - 1) (10 x + 1) (10 x - 1) (x + 1)}$$

Sequence: A279961
Score: 9.15226
Type of gen. func.: ogf

$$-\frac{20 x^{6} - 8 x^{5} - x^{4} - 2 x^{3} + 3 x^{2} - 2 x - 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A279962
Score: 8.68027
Type of gen. func.: ogf

$$-\frac{20 x^{6} - 4 x^{5} - 22 x^{4} + 2 x^{3} + 3 x^{2} - x - 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A279971
Score: 6.29899
Type of gen. func.: ogf

$$-\frac{(2 x - 1) (3 x^{3} + 4 x^{2} - 4 x + 1)}{{}^{2} \qquad {}^{3}}$$

$$(x - 3 x + 1)$$

Sequence: A279972
Score: 3.27094
Type of gen. func.: ogf

$$-x (16 x^8 - 124 x^7 + 438 x^6 - 888 x^5 + 1096 x^4 - 819 x^3 + 356 x^2 - 85 x + 9) / (2 x^3 - 5 x^2 + 5 x - 1)^3$$

Sequence: A279978
Score: 4.74504
Type of gen. func.: ogf

$$\frac{x (5 x^8 - 2 x^7 - 12 x^6 - 5 x^5 + 20 x^4 - 11 x^3 + 6 x - 3)}{(x - 1)^2 (x^2 + x - 1)^3}$$

Sequence: A280014
Score: 14.4937
Type of gen. func.: ogf

$$\frac{2 (x + 2) (x^3 + x^2 + 3)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A280056
Score: 4.49039
Type of gen. func.: ogf

$$\{(n^3 + 3 n^2 + 2 n) a(n) + (2 n^2 - 2 n - 4) a(n + 1) + (-n^3 + 3 n^2 - 2 n) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 8, a(4) = 48\}$$

Sequence: A280056
Score: 7.85818

Type of gen. func.: ogf

$$-\frac{8x^3(3x+1)(x^2+x+1)}{(x+1)^3(x-1)^5}$$

Sequence: A280056
Score: 8.80116
Type of gen. func.: lgdogf

$$-\frac{15x^4+30x^3+45x^2+24x+6}{3x^5+4x^4+x^3-3x^2-4x-1}$$

Sequence: A280057
Score: 12.4472
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9+2x^5+x^4-x^3-2x^2+2x-1$$

Sequence: A280057
Score: 8.00466
Type of gen. func.: ogf

$$\frac{(x^2+1)(x^4-x^3+x^2-x+1)}{(x+1)^2(x^2-x+1)^2}$$

Sequence: A280058
Score: 14.6480
Type of gen. func.: ogf

$$\frac{12x^3}{(x-1)^4}$$

Sequence: A280058

Score: 28.2496
Type of gen. func.: lgdogf

$$\frac{4}{-x + 1}$$

Sequence: A280058
Score: 6.27770
Type of gen. func.: ogf

$$\{(-1 + n) a(n + 2) + (-2 - n) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 12\}$$

Sequence: A280058
Score: 60.4408
Type of gen. func.: ogf_with_Euler_transform]

$$[4]$$

Sequence: A280058
Score: 7.90991
Type of gen. func.: ogf

$$-f(x) x^4 + 4 f(x) x^3 - 6 f(x) x^2 + 12 x^3 + 4 f(x) x - f(x)$$

Sequence: A280059
Score: 4.21153
Type of gen. func.: ogf

$$-(11274336 f(x) + 398488943) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 3 x^3 - 4 f(x) x - 51 x^2 + f(x) - 41 x - 1)$$

Sequence: A280059
Score: 7.56161
Type of gen. func.: lgdogf

$$3 x^3 + 111 x^2 + 225 x + 45$$

$$- \frac{}{3 x^4 + 48 x^3 - 10 x^2 - 40 x - 1}$$

Sequence: A280059
Score: 8.42306
Type of gen. func.: ogf

$$\frac{3 x^3 + 51 x^2 + 41 x + 1}{(x - 1)^4}$$

Sequence: A280064
Score: 4.89195
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^7 + x^6 - 2 x^5 + 8 x^4 - 4 x^3 + 2 x - 1)}{(x^2 - x + 1) (x^5 + 3 x^4 + 4 x^3 - 4 x^2 - 2 x + 1)}$$

Sequence: A280070
Score: 11.4039
Type of gen. func.: ogf

$$- \frac{x^2 - 8 x + 1}{(x - 1) (x^2 - 18 x + 1)}$$

Sequence: A280070
Score: 6.03734
Type of gen. func.: ogf

$$(55241 f(x) - 156) (f(x) x^3 - 19 f(x) x^2 + 19 f(x) x + x^2 - f(x) - 8 x + 1)$$

Sequence: A280070
Score: 6.14054
Type of gen. func.: ogf

$\{-a(n + 3) + 19 a(n + 2) - 19 a(n + 1) + a(n), a(0) = 1, a(1) = 11, a(2) = 191\}$

Sequence: A280070
Score: 6.71442
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 16 x^3 - 136 x^2 + 36 x - 11}{-x^5 + 27 x^4 - 172 x^3 + 172 x^2 - 27 x + 1}$$

Sequence: A280071
Score: 10.3227
Type of gen. func.: ogf

$$-\frac{x^2 - 9 x + 1}{(x - 1) (x^2 - 20 x + 1)}$$

Sequence: A280071
Score: 5.46499
Type of gen. func.: ogf

$$(51327 f(x) - 119) (f(x) x^3 - 21 f(x) x^2 + 21 f(x) x + x^2 - f(x) - 9 x + 1)$$

Sequence: A280071
Score: 5.55840
Type of gen. func.: ogf

{-a(n + 3) + 21 a(n + 2) - 21 a(n + 1) + a(n), a(0) = 1, a(1) = 12, a(2) = 232}

Sequence: A280071
Score: 6.07788
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 18 x^3 - 171 x^2 + 40 x - 12}{-x^5 + 30 x^4 - 211 x^3 + 211 x^2 - 30 x + 1}$$

Sequence: A280072
Score: 11.6131
Type of gen. func.: ogf

$$\frac{10 x - 1}{(x - 1) (x^2 - 20 x + 1)}$$

Sequence: A280072
Score: 5.28727
Type of gen. func.: ogf

$$-(67199121 f(x) + 3342239) (f(x) x^3 - 21 f(x) x^2 + 21 f(x) x - f(x) - 10 x + 1)$$

Sequence: A280072
Score: 5.55840
Type of gen. func.: ogf

$$\{a(n + 3) - 21 a(n + 2) + 21 a(n + 1) - a(n), a(0) = 1, a(1) = 11, a(2) = 210\}$$

Sequence: A280072
Score: 7.14652
Type of gen. func.: lgdogf

$$-\frac{20 x^3 - 213 x^2 + 42 x - 11}{10 x^4 - 211 x^3 + 231 x^2 - 31 x + 1}$$

Sequence: A280089
Score: 11.5140
Type of gen. func.: ogf

$$\frac{25 x^2 - 2 x + 1}{(x - 1)^4}$$

Sequence: A280089
Score: 11.8527

Type of gen. func.: lgdogf

$$-\frac{-50 x^2 - 44 x - 2}{-25 x^3 + 27 x^2 - 3 x + 1}$$

Sequence: A280089
Score: 3.95090
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-11 - 3 n) a(n + 3) + (10 + 27 n) a(n + 2)$$

$$+ (-75 - 25 n) a(n + 1), a(0) = 1, a(1) = 2, a(2) = 27, a(3) = 100\}$$

Sequence: A280089
Score: 5.7162
Type of gen. func.: ogf

$$-(5664 f(x) + 53615)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 25 x^2 + f(x) + 2 x - 1)$$

Sequence: A280111
Score: 10.8902
Type of gen. func.: ogf

$$\frac{2 x^2 - 19 x - 1}{(x - 1) (x^2 - 38 x + 1)}$$

Sequence: A280111
Score: 5.32039
Type of gen. func.: ogf

$$-(81039960 f(x) + 2004037)$$

$$(f(x) x^3 - 39 f(x) x^2 + 39 f(x) x - 2 x^2 - f(x) + 19 x + 1)$$

Sequence: A280111
Score: 5.90653

Type of gen. func.: ogf

{-a(n + 3) + 39 a(n + 2) - 39 a(n + 1) + a(n), a(0) = 1, a(1) = 58, a(2) = 2221

}

Sequence: A280111
Score: 6.51374
Type of gen. func.: lgdogf

$$-\frac{2x^4 - 38x^3 + 660x^2 + 82x - 58}{2x^5 - 97x^4 + 818x^3 - 704x^2 - 20x + 1}$$

Sequence: A280112
Score: 10.5803
Type of gen. func.: ogf

$$-\frac{x^2 - 20x + 1}{(x - 1)(x^2 - 38x + 1)}$$

Sequence: A280112
Score: 5.69024
Type of gen. func.: ogf

$$(13329 f(x) + 28) (f(x) x^3 - 39 f(x) x^2 + 39 f(x) x + x^2 - f(x) - 20 x + 1)$$

Sequence: A280112
Score: 5.78750
Type of gen. func.: ogf

{-a(n + 3) + 39 a(n + 2) - 39 a(n + 1) + a(n), a(0) = 1, a(1) = 19, a(2) = 703}

Sequence: A280112
Score: 6.32838
Type of gen. func.: lgdogf

$$-x^4 + 40x^3 - 744x^2 + 76x - 19$$

```
                   - ----------------------------------------
                       5       4        3        2
                     -x  + 59 x  - 820 x  + 820 x  - 59 x + 1



------------------------------------------------------------------------------

Sequence:  A280113
Score: 4.1001
Type of gen. func.: ogf


(1215210928039 f(x) - 1155388056)

           3              2                  2
    (f(x) x  - 1443 f(x) x  + 1443 f(x) x + x  - f(x) + 268 x + 1)



------------------------------------------------------------------------------

Sequence:  A280113
Score: 4.51980
Type of gen. func.: ogf


{a(n + 3) - 1443 a(n + 2) + 1443 a(n + 1) - a(n), a(0) = 1, a(1) = 1711,

    a(2) = 2467531}



------------------------------------------------------------------------------

Sequence:  A280113
Score: 8.31904
Type of gen. func.: ogf


                                  2
                                 x  + 268 x + 1
                          - --------------------------
                                      2
                            (x - 1) (x  - 1442 x + 1)



------------------------------------------------------------------------------

Sequence:  A280118
Score: 6.20912
Type of gen. func.: ogf


                            6      5      4      3      2
                   4 x (8 x  + 8 x  - 2 x  - 8 x  - 4 x  + 1)
                   ------------------------------------------
                                 3      2         2
                             (4 x  + 4 x  + x - 1)



------------------------------------------------------------------------------

Sequence:  A280135
Score: 5.70820
Type of gen. func.: ogf


  20    19      18      17      16    15    14       13       12    11    10
```

$$(x - x + 2 x - 2 x + 2 x - x - x + 14 x - 11 x - x - x$$
$$+ 291 x^{9} - 277 x^{8} - 15 x^{7} + 2 x - 4)/(x - 1)$$

Sequence: A280154
Score: 10.2748
Type of gen. func.: ogf

$$(4 f(x) - 39) (f(x) x^{2} + f(x) x - f(x) - 5 x + 10)$$

Sequence: A280154
Score: 10.7700
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 10, a(1) = 5\}$$

Sequence: A280154
Score: 13.9673
Type of gen. func.: lgdogf

$$- \frac{-x^{2} + 4 x + 1}{-x^{3} + x^{2} + 3 x - 2}$$

Sequence: A280154
Score: 19.4328
Type of gen. func.: ogf

$$\frac{5 (x - 2)}{x^{2} + x - 1}$$

Sequence: A280155
Score: 6.06301
Type of gen. func.: ogf

$$\frac{2 x (x^{6} + 2 x^{5} - x^{4} - 6 x^{3} - 5 x^{2} + 2)}{(x^{3} + 2 x^{2} + x - 1)^{2}}$$

Sequence: A280166
Score: 17.5292
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 - x^3 + x^2 + 4 x - 1$$

Sequence: A280166
Score: 6.38694
Type of gen. func.: ogf

$$-(8 f(x) + 5) (f(x) x^4 - x^4 - 2 f(x) x^2 + x^3 - 2 x^2 + f(x) + x - 1)$$

Sequence: A280166
Score: 9.88664
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^2 - x + 1)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A280167
Score: 21.4998
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9 + x^4 + 3 x - 1$$

Sequence: A280167
Score: 6.19492
Type of gen. func.: ogf

$$-(34 f(x) + 65) (f(x) x^4 - x^4 - 2 f(x) x^2 + x^3 - x^2 + f(x) + x - 1)$$

Sequence: A280167
Score: 8.90519
Type of gen. func.: lgdogf

$$-\frac{-x^4+6x^3-6x^2+6x-1}{x^6-x^5+x-1}$$

Sequence: A280167
Score: 9.75911
Type of gen. func.: ogf

$$\frac{x^4-x^3+x^2-x+1}{(x-1)^2\,(x+1)^2}$$

Sequence: A280173
Score: 13.0116
Type of gen. func.: ogf

$$-\frac{5x^2-5x-1}{(x-1)\,(2x-1)\,(x+1)}$$

Sequence: A280173
Score: 6.8423
Type of gen. func.: ogf

$$(483 f(x) + 1717)\,(2 f(x)\, x^3 - f(x)\, x^2 - 2 f(x)\, x + 5 x^2 + f(x) - 5 x - 1)$$

Sequence: A280173
Score: 7.02396
Type of gen. func.: ogf

$$\{-a(n + 3) + 2\, a(n + 2) + a(n + 1) - 2\, a(n),\ a(0) = 1,\ a(1) = 7,\ a(2) = 10\}$$

Sequence: A280173
Score: 7.85850
Type of gen. func.: lgdogf

$$-10x^4+20x^3-9x^2+8x-7$$

$$-\frac{\qquad}{-10 x^5 + 15 x^4 + 7 x^3 - 16 x^2 + 3 x + 1}$$

Sequence: A280174
Score: 3.41518
Type of gen. func.: ogf

$$(x^{13} + 3 x^{12} - 5 x^{11} - 43 x^{10} - 69 x^9 - 6 x^8 + 85 x^7 + 59 x^6 - 24 x^5 - 35 x^4 + 4 x^3 + 4 x^2 - 2 x + 1) \Big/ \left((x - 1) (x^3 + 2 x^2 + x - 1)^3\right)$$

Sequence: A280181
Score: 10.2704
Type of gen. func.: ogf

$$-\frac{x^2 - 18 x + 1}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A280181
Score: 5.57039
Type of gen. func.: ogf

$$(9512 f(x) + 25) (f(x) x^3 - 35 f(x) x^2 + 35 f(x) x + x^2 - f(x) - 18 x + 1)$$

Sequence: A280181
Score: 5.61799
Type of gen. func.: ogf

$$\{-a(n + 3) + 35 a(n + 2) - 35 a(n + 1) + a(n), a(0) = 1, a(1) = 17, a(2) = 561\}$$

Sequence: A280181
Score: 6.14304
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 36 x^3 - 598 x^2 + 68 x - 17}{{}^{5} \qquad {}^{4} \qquad {}^{3} \qquad {}^{2}}$$

$$-x + 53 x - 666 x + 666 x - 53 x + 1$$

Sequence: A280186
Score: 11.7361
Type of gen. func.: ogf

$$\frac{2 x^4}{(x + 1)^2 (x - 1)^4}$$

Sequence: A280186
Score: 18.4043
Type of gen. func.: lgdogf

$$- \frac{-6 x - 2}{-x^2 + 1}$$

Sequence: A280186
Score: 38.3622
Type of gen. func.: ogf_with_Euler_transform]

$$[2 + 2 x]$$

Sequence: A280186
Score: 5.25836
Type of gen. func.: ogf

$\{(n + 3) a(n + 1) + 2 a(n + 2) + (-n + 1) a(n + 3), a(0) = 0, a(1) = 0,$

$a(2) = 0, a(3) = 0, a(4) = 2\}$

Sequence: A280193
Score: 10.3215
Type of gen. func.: lgdogf

$$- \frac{x^2 - 4 x + 1}{-x^4 + x^3 - x + 1}$$

Sequence: A280193
Score: 13.4811
Type of gen. func.: ogf

$$-\frac{x^2 - x + 1}{(x - 1) (x + 1)}$$

Sequence: A280193
Score: 19.9552
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^2 + 2 x - 1$$

Sequence: A280193
Score: 7.86400
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 1), a(0) = 1, a(1) = -1, a(2) = 2\}$$

Sequence: A280193
Score: 8.80768
Type of gen. func.: ogf

$$(4 f(x) - 3) (f(x) x^2 + x^2 - f(x) - x + 1)$$

Sequence: A280227
Score: 8.41524
Type of gen. func.: ogf

$$\frac{2 x (x - 1) (x + 1) (x^3 + 2 x^2 + x - 2)}{(x^2 + x - 1)^2}$$

Sequence: A280228
Score: 7.08763
Type of gen. func.: ogf

$$\frac{3x^6 + 2x^5 + 2x^4 - 4x^3 - 5x^2 + 2x + 2}{(x^2 + x - 1)^2}$$

Sequence: A280237
Score: 13.6493
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9 + x^7 + x^4 - x^2 + x$$

Sequence: A280237
Score: 8.92586
Type of gen. func.: ogf

$$-\frac{x (x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A280261
Score: 10.3870
Type of gen. func.: ogf

$$-\frac{x (x^2 + x - 1)}{x^4 - x^2 + 1}$$

Sequence: A280261
Score: 6.53203
Type of gen. func.: ogf

$$(2 f(x) + 1) (f(x) x^4 - f(x) x^2 + x^3 + x^2 + f(x) - x)$$

Sequence: A280279
Score: 3.85528
Type of gen. func.: ogf

{(-2 n - 6) a(n + 1) + (-4 - 2 n) a(n + 2) + (n + 1) a(n + 3), a(0) = 0,

a(1) = 0, a(2) = 1, a(3) = 2, a(4) = 8}

Sequence: A280279
Score: 8.18652
Type of gen. func.: lgdogf

$$-\frac{-4x-2}{-4x^6-12x^5-6x^4+8x^3+2x^2-4x+1}$$

Sequence: A280279
Score: 8.61179
Type of gen. func.: ogf

$$\frac{x^2(2x^4+4x^3-2x+1)}{(2x^2+2x-1)^2}$$

Sequence: A280293
Score: 12.9493
Type of gen. func.: ogf

$$\frac{x^2-5x+3}{(x-1)(2x-1)(x+1)}$$

Sequence: A280293
Score: 6.52814
Type of gen. func.: ogf

$$-(1425 f(x) + 1061)(2 f(x) x^3 - f(x) x^2 - 2 f(x) x - x^2 + f(x) + 5x - 3)$$

Sequence: A280293
Score: 7.05272
Type of gen. func.: ogf

{-a(n + 3) + 2 a(n + 2) + a(n + 1) - 2 a(n), a(0) = 3, a(1) = 1, a(2) = 6}

Sequence: A280293
Score: 7.89905
Type of gen. func.: lgdogf

$$-\frac{-2 x^4 + 20 x^3 - 25 x^2 + 8 x + 1}{-2 x^5 + 11 x^4 - 9 x^3 - 8 x^2 + 11 x - 3}$$

Sequence: A280304
Score: 15.8845
Type of gen. func.: ogf

$$\frac{6 x (x^2 - 2 x + 4)}{(x - 1)^4}$$

Sequence: A280304
Score: 18.3283
Type of gen. func.: lgdogf

$$-\frac{-2 x^2 + 4 x - 14}{-x^3 + 3 x^2 - 6 x + 4}$$

Sequence: A280304
Score: 5.92706
Type of gen. func.: ogf

$$\{(12 + 4 n) a(n + 4) + (-26 - 6 n) a(n + 3) + (7 + 3 n) a(n + 2)$$

$$+ (-2 - n) a(n + 1), a(0) = 0, a(1) = 24, a(2) = 84, a(3) = 198\}$$

Sequence: A280304
Score: 8.44924
Type of gen. func.: ogf

$$-(3 f(x) - 107)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 6 x^3 - 4 f(x) x + 12 x^2 + f(x) - 24 x)$$

Sequence: A280308
Score: 10.1220
Type of gen. func.: lgdogf

$$-\frac{-2x^4+2x^3+12x^2+2x+4}{-2x^5-x^4+2x^3+6x^2+2x-3}$$

Sequence: A280308
Score: 16.0956
Type of gen. func.: ogf

$$\frac{(x+1)(2x-3)}{x^3+x^2+x-1}$$

Sequence: A280308
Score: 8.39175
Type of gen. func.: ogf

$$(1264 f(x) - 3447) (f(x) x^3 + f(x) x^2 + f(x) x - 2 x^2 - f(x) + x + 3)$$

Sequence: A280308
Score: 8.76638
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) + a(n), a(0) = 3, a(1) = 4, a(2) = 5\}$$

Sequence: A280309
Score: 5.08871
Type of gen. func.: ogf

$$\frac{x^3 (4x^6+12x^5+6x^4-8x^3-3x^2+4x-1)}{(2x^2+2x-1)^3}$$

Sequence: A280321

Score: 12.1019
Type of gen. func.: ogf

$$\frac{3 x^4 - 9 x^3 + 8 x^2 - 9 x - 1}{(x - 1)^3}$$

Sequence: A280321
Score: 6.95405
Type of gen. func.: ogf

(1486 f(x) - 90153)

$$(f(x) x^3 - 3 x^4 - 3 f(x) x^2 + 9 x^3 + 3 f(x) x - 8 x^2 - f(x) + 9 x + 1)$$

Sequence: A280321
Score: 9.13573
Type of gen. func.: lgdogf

$$- \frac{3 x^4 - 12 x^3 + 19 x^2 + 2 x + 12}{-3 x^5 + 12 x^4 - 17 x^3 + 17 x^2 - 8 x - 1}$$

Sequence: A280328
Score: 7.94822
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-4 x^4 + x^3 - 5 x^2 - x - 3}{x^5 - x^4 + x^3 - x^2 + x - 1}$$

Sequence: A280339
Score: 8.02278
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{4 x^7 - 2 x^6 + 4 x^5 - 2 x^4 + 8 x^3 - 2 x^2 + 4 x - 2}{-x^8 + 1}$$

Sequence: A280344
Score: 14.0593
Type of gen. func.: ogf

$$-\frac{2x(x^2-3x+6)}{(x-1)^3}$$

Sequence: A280344
Score: 14.2756
Type of gen. func.: lgdogf

$$-\frac{-x^2+4x-15}{-x^3+4x^2-9x+6}$$

Sequence: A280344
Score: 6.92472
Type of gen. func.: ogf

$$\{a(n+4)-3a(n+3)+3a(n+2)-a(n+1),\ a(0)=0,\ a(1)=12,\ a(2)=30,\ a(3)=56\}$$

Sequence: A280344
Score: 7.30638
Type of gen. func.: ogf

$$-(8696 f(x) - 40761)\,(f(x)x^3 - 3 f(x) x^2 + 2x^3 + 3 f(x) x - 6x^2 - f(x) + 12x)$$

Sequence: A280345
Score: 13.0116
Type of gen. func.: ogf

$$-\frac{5x^2-x-3}{(x-1)(2x-1)(x+1)}$$

Sequence: A280345
Score: 6.55956
Type of gen. func.: ogf

```
                                3         2                  2
   -(1401 f(x) + 5159) (2 f(x) x  - f(x) x  - 2 f(x) x + 5 x  + f(x) - x - 3)
```

Sequence: A280345
Score: 7.02396
Type of gen. func.: ogf

```
   {a(n + 3) - 2 a(n + 2) - a(n + 1) + 2 a(n), a(0) = 3, a(1) = 7, a(2) = 12}
```

Sequence: A280345
Score: 7.93708
Type of gen. func.: lgdogf

```
                              4      3      2
                          10 x  - 4 x  - 7 x  - 4 x + 7
                    - --------------------------------------
                          5      4       3       2
                      10 x  - 7 x  - 15 x  + 10 x  + 5 x - 3
```

Sequence: A280364
Score: 8.35957
Type of gen. func.: lgdogf

```
                            5      4       2
                         3 x  - 3 x  + 80 x  + 77 x + 35
                - ----------------------------------------------
                     6      5      4       3       2
                  3 x  - 3 x  - 6 x  + 26 x  + 15 x  - 23 x - 12
```

Sequence: A280364
Score: 9.37285
Type of gen. func.: ogf

```
                              4      3      2
                        x (3 x  - 3 x  - 3 x  + 23 x + 12)
                      - ----------------------------------
                                       2        3
                                (x + 1)  (x - 1)
```

Sequence: A280367

Score: 8.05952
Type of gen. func.: ogf

$$\frac{10100 x^5 - 1000 x^4 + 899 x^3 - 90 x^2 + x + 1}{(x - 1) (10 x + 1) (10 x - 1) (x + 1)}$$

Sequence: A280368
Score: 7.46399
Type of gen. func.: ogf

$$\frac{1010 x^5 - 10 x^4 - 1009 x^3 + 9 x^2 + 10 x + 1}{(x - 1) (10 x + 1) (10 x - 1) (x + 1)}$$

Sequence: A280369
Score: 9.99929
Type of gen. func.: ogf

$$\frac{20 x^5 - 8 x^4 + 3 x^3 - 2 x^2 + x + 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A280370
Score: 9.88561
Type of gen. func.: ogf

$$\frac{10 x^5 - 2 x^4 - 9 x^3 + x^2 + 2 x + 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A280372
Score: 6.25888
Type of gen. func.: ogf

$$(100000000 x^{12} - 100000000 x^8 - 1000000 x^7 - 10000 x^6 - 100 x^5 - x^3 - 101 x^2 - x - 1) / ((x - 1) (x + 1) (x^2 + 1))$$

Sequence: A280373
Score: 7.96957
Type of gen. func.: ogf

$$\frac{16 x^{12} - x^{8} - 2 x^{7} - 4 x^{6} - 8 x^{5} - 8 x^{3} - 5 x^{2} - 2 x - 1}{(2 x - 1) (2 x + 1) (4 x^{2} + 1)}$$

Sequence: A280374
Score: 7.73905
Type of gen. func.: ogf

$$\frac{256 x^{12} - 256 x^{8} - 64 x^{7} - 16 x^{6} - 4 x^{5} - x^{3} - 5 x^{2} - x - 1}{(x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A280392
Score: 4.96662
Type of gen. func.: ogf

$$-f(x) (16 f(x) x^{4} - 40 f(x) x^{3} + 33 f(x) x^{2} - 10 f(x) x + 6 x^{2} + f(x) - 2 x)$$

Sequence: A280392
Score: 8.99749
Type of gen. func.: ogf

$$- \frac{2 x (3 x - 1)}{(4 x - 1)^{2} (x - 1)^{2}}$$

Sequence: A280392
Score: 9.12981
Type of gen. func.: lgdogf

$$- \frac{-36 x^{2} + 31 x - 7}{-12 x^{3} + 19 x^{2} - 8 x + 1}$$

Sequence: A280393
Score: 4.20677
Type of gen. func.: ogf

$$\frac{2 (2 x - 1) (128 x^5 - 248 x^4 + 198 x^3 - 74 x^2 + 13 x - 1)}{(16 x^3 - 20 x^2 + 9 x - 1)^2}$$

Sequence: A280399
Score: 5.34637
Type of gen. func.: ogf

$$f(x) (4 f(x) x^4 + 4 f(x) x^3 + 2 x^4 - 3 f(x) x^2 + 2 x^3 - 2 f(x) x - 2 x^2 + f(x))$$

Sequence: A280399
Score: 8.62102
Type of gen. func.: lgdogf

$$- \frac{-4 x^3 - 6 x^2 + 5 x + 1}{-2 x^4 - 3 x^3 + 2 x^2 + 2 x - 1}$$

Sequence: A280399
Score: 8.95691
Type of gen. func.: ogf

$$- \frac{2 x^2 (x^2 + x - 1)}{(x + 1)^2 (2 x - 1)^2}$$

Sequence: A280400
Score: 9.64340
Type of gen. func.: ogf

$$\frac{2 x (3 x^3 + 2 x^2 - 1)}{(x - 1) (x + 1)^2 (2 x - 1)^2}$$

Sequence: A280410
Score: 10.0657
Type of gen. func.: ogf

$$\frac{100 x^3 - 100 x^2 + 10 x + 1}{(x - 1) (10 x + 1) (10 x - 1) (x + 1)}$$

Sequence: A280410
Score: 5.95887
Type of gen. func.: ogf

$$(220000000 f(x) - 60150699)$$

$$(100 f(x) x^4 - 101 f(x) x^2 - 100 x^3 + 100 x^2 + f(x) - 10 x - 1)$$

Sequence: A280411
Score: 5.66143
Type of gen. func.: ogf

$$-(22 f(x) + 93058929) (100 f(x) x^4 - 101 f(x) x^2 - 10 x^3 + x^2 + f(x) - x - 1)$$

Sequence: A280411
Score: 9.54354
Type of gen. func.: ogf

$$\frac{10 x^3 - x^2 + x + 1}{(x - 1) (10 x + 1) (10 x - 1) (x + 1)}$$

Sequence: A280412
Score: 12.6724
Type of gen. func.: ogf

$$\frac{4 x^3 - 4 x^2 + 2 x + 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A280412
Score: 7.77078

Type of gen. func.: ogf

$$(768 f(x) + 1013) (4 f(x) x^4 - 5 f(x) x^2 - 4 x^3 + 4 x^2 + f(x) - 2 x - 1)$$

Sequence: A280425
Score: 5.00472
Type of gen. func.: ogf

$$\{(-n + 2) a(n + 1) + (-3 - n) a(n + 2) + a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 120\}$$

Sequence: A280428
Score: 10.6397
Type of gen. func.: ogf

$$\frac{1729 (x^2 + 4 x + 1)}{(x - 1)^4}$$

Sequence: A280428
Score: 12.7676
Type of gen. func.: lgdogf

$$- \frac{2 x^2 + 14 x + 8}{x^3 + 3 x^2 - 3 x - 1}$$

Sequence: A280428
Score: 3.89621
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (1 + 3 n) a(n + 3) + (-20 - 3 n) a(n + 2) + (-3 - n) a(n + 1), a(0) = 1729, a(1) = 13832, a(2) = 46683, a(3) = 110656\}$$

Sequence: A280428
Score: 5.76314
Type of gen. func.: ogf

$$(23 f(x) + 122759) \left(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 1729 x^2 + f(x) - 6916 x - 1729 \right)$$

Sequence: A280429
Score: 5.50697
Type of gen. func.: ogf

$$-\frac{2 x^9 - 2 x^8 - 2 x^7 - 6 x^6 + 3 x^5 + 3 x^4 + 3 x^3 - x^2 - x - 1}{(x^2 + x + 1) (x - 1)^2 (2 x^3 - 1)^2}$$

Sequence: A280435
Score: 7.06226
Type of gen. func.: ogf

$$\frac{x^5 - x^4 + 8 x^3 + 8 x^2 - 7 x - 1}{(x - 1) (x^2 + x - 1)^2}$$

Sequence: A280436
Score: 6.55596
Type of gen. func.: ogf

$$\frac{2 (2 x^6 + 2 x^5 + 9 x^4 - 2 x^3 - 15 x^2 + 6 x + 1)}{(x - 1)^2 (x^2 + x - 1)^2}$$

Sequence: A280437
Score: 6.25673
Type of gen. func.: ogf

$$\frac{7 x^6 + 14 x^5 + 37 x^4 - 8 x^3 - 55 x^2 + 18 x + 5}{(x - 1)^2 (x^2 + x - 1)^2}$$

Sequence: A280438
Score: 6.24431
Type of gen. func.: ogf

$$\frac{2 (6 x^6 + 18 x^5 + 36 x^4 - 10 x^3 - 48 x^2 + 14 x + 5)}{(x - 1)^2 (x^2 + x - 1)^2}$$

Sequence: A280439
Score: 5.90763
Type of gen. func.: ogf

$$\frac{19 x^6 + 74 x^5 + 134 x^4 - 38 x^3 - 164 x^2 + 40 x + 20}{(x - 1)^2 (x^2 + x - 1)^2}$$

Sequence: A280446
Score: 2.92706
Type of gen. func.: ogf

$$- \frac{2 (162611 x^4 + 5180 x^3 + 29240 x^2 + 3442 x + 2924)}{10 x^3 - 1}$$

Sequence: A280454
Score: 19.5174
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^5 + x - 1}{-x^{10} + 1}$$

Sequence: A280456
Score: 17.8712
Type of gen. func.: ogf_with_Euler_transform]

```
    6
   x  - x + 1
 - ----------
     12
```

$$x - 1$$

Sequence: A280457
Score: 15.6654
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^{7} + x - 1}{-x^{14} + 1}$$

Sequence: A280474
Score: 5.41616
Type of gen. func.: ogf

$$- \frac{(3 x - 1) (12 x^{3} + 9 x^{2} - 6 x + 1)}{(4 x - 1)^{3} (x - 1)^{3}}$$

Sequence: A280481
Score: 4.25019
Type of gen. func.: ogf

$$\frac{x (40 x^{8} + 16 x^{7} - 16 x^{6} - 13 x^{5} - 17 x^{4} - 19 x^{3} + 23 x^{2} + 8 x - 6)}{(x - 1)^{2} (x + 1)^{3} (2 x - 1)^{3}}$$

Sequence: A280523
Score: 4.56347
Type of gen. func.: ogf

$-(49 f(x) + 54)$

$$(f(x) x^{4} - 5 f(x) x^{3} + 8 f(x) x^{2} + x^{3} - 5 f(x) x - 3 x^{2} + f(x) + 2 x - 1)$$

Sequence: A280523
Score: 8.47501
Type of gen. func.: ogf

3   2

$$-\frac{x - 3x + 2x - 1}{(x^2 - 3x + 1)(x - 1)^2}$$

Sequence: A280549
Score: 4.52858
Type of gen. func.: ogf

$$-\frac{x(8x^8 - 25x^7 - 33x^6 + 47x^5 + 63x^4 - 27x^3 - 43x^2 + 5x + 9)}{(x - 1)^2 (x^2 + x - 1)^3}$$

Sequence: A280550
Score: 3.98372
Type of gen. func.: ogf

$$-(36x^{10} - 39x^9 - 46x^8 + 134x^7 + 57x^6 - 142x^5 - 86x^4 + 79x^3 + 48x^2 - 28x - 1) \Big/ ((x - 1)^3 (x^2 + x - 1)^3)$$

Sequence: A280551
Score: 3.64791
Type of gen. func.: ogf

$$(2x^{11} - 76x^{10} + 25x^9 + 64x^8 - 209x^7 - 84x^6 + 193x^5 + 213x^4 - 84x^3 - 173x^2 + 75x + 2) \Big/ ((x - 1)^3 (x^2 + x - 1)^3)$$

Sequence: A280552
Score: 3.52114
Type of gen. func.: ogf

$$(4x^{11} - 142x^{10} - 45x^9 + 22x^8 - 314x^7 - 83x^6 + 260x^5 + 440x^4 - 56x^3 - 422x^2 + 158x + 6) \Big/ ((x - 1)^3 (x^2 + x - 1)^3)$$

Sequence: A280553
Score: 3.34603
Type of gen. func.: ogf

$$(6 x^{11} - 238 x^{10} - 205 x^{9} - 148 x^{8} - 480 x^{7} - 79 x^{6} + 341 x^{5} + 930 x^{4} + 21 x^{3} - 928 x^{2} + 322 x + 13) \Big/ ((x - 1)^{3} (x^{2} + x - 1)^{3})$$

Sequence: A280556
Score: 3.40270
Type of gen. func.: ogf

$$\{(-2 n^{2} - 14 n - 24) a(n + 1) + (n^{2} + 6 n) a(n + 2) + (n^{2} + 9 n + 27) a(n + 3) + (-3 - n) a(n + 4), a(0) = 0, a(1) = 2, a(2) = 26, a(3) = 242\}$$

Sequence: A280560
Score: 14.6795
Type of gen. func.: ogf

$$f(x) x + f(x) + x - 1$$

Sequence: A280560
Score: 17.8534
Type of gen. func.: ogf

$$- \frac{x - 1}{x + 1}$$

Sequence: A280560
Score: 20.6430
Type of gen. func.: lgdogf

$$\frac{2}{x^{2} - 1}$$

Sequence: A280560
Score: 31.3582

Type of gen. func.: ogf_with_Euler_transform]

$$[x - 2]$$

Sequence: A280560
Score: 9.17467
Type of gen. func.: ogf

$$\{-a(n + 2) - a(n + 1), a(0) = 1, a(1) = -2\}$$

Sequence: A280569
Score: 16.0615
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 - x^5 - x^4 + x - 1$$

Sequence: A280569
Score: 9.04899
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^2 + x + 1) (x^2 - x + 1)}{(x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A280598
Score: 5.88850
Type of gen. func.: ogf

$$-\frac{2 x^5 + 3 x^4 - x^3 + x^2 - x - 2}{(x - 1) (x^5 + 3 x^4 + 2 x^3 + x^2 + 2 x - 1)}$$

Sequence: A280599
Score: 5.39791
Type of gen. func.: ogf

```
   7      6      5       4      3       2
3 x  - 5 x  - 2 x  + 10 x  + 2 x  - 15 x  + 2 x + 4
----------------------------------------------------
              3      2                  3
```

$$(2 x + 3 x + x - 1) (x - 1)$$

Sequence: A280600
Score: 3.70121
Type of gen. func.: ogf

$$-(x^{12} - 10 x^{11} + 10 x^{10} + 25 x^{9} - 21 x^{8} + 10 x^{7} + 36 x^{6} + 3 x^{5} + 18 x^{4} - 38 x^{3} + 52 x^{2} - 18 x - 8) / ((x^{2} + x + 1) (x^{5} + x^{4} - x^{3} + x^{2} + 2 x - 1) (x - 1)^{3})$$

Sequence: A280606
Score: 7.42559
Type of gen. func.: ogf

$$-\frac{100 x^{6} + 9 x^{4} - 10 x^{3} + 11 x^{2} - 10 x - 1}{(10 x - 1) (10 x + 1) (x - 1)}$$

Sequence: A280607
Score: 7.03080
Type of gen. func.: ogf

$$-\frac{10000 x^{6} - 9000 x^{4} - 100 x^{3} + 110 x^{2} - x - 1}{(x - 1) (10 x - 1) (x + 1)}$$

Sequence: A280608
Score: 9.45894
Type of gen. func.: ogf

$$-\frac{4 x^{6} + x^{4} - 2 x^{3} + 3 x^{2} - 2 x - 1}{(2 x - 1) (2 x + 1) (x - 1)}$$

Sequence: A280610
Score: 9.18494
Type of gen. func.: ogf

$$-\frac{16 x^{6} - 8 x^{4} - 4 x^{3} + 6 x^{2} - x - 1}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A280658
Score: 8.17202
Type of gen. func.: ogf

$$\frac{x (81 x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A280666
Score: 9.91037
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{5 x^{5} + 6 x^{4} + 6 x^{3} + 6 x^{2} + 6 x + 6}{-x^{6} + 1}$$

Sequence: A280668
Score: 10.6082
Type of gen. func.: ogf

$$-\frac{3 x + 4}{8 x^{2} + 14 x - 1}$$

Sequence: A280668
Score: 5.48287
Type of gen. func.: ogf

$$(890 f(x) - 79) (8 f(x) x^{2} + 14 f(x) x - f(x) + 3 x + 4)$$

Sequence: A280668
Score: 5.80924
Type of gen. func.: ogf

$$\{a(n+2) - 14\,a(n+1) - 8\,a(n),\ a(0) = 4,\ a(1) = 59\}$$

Sequence: A280668
Score: 6.97109
Type of gen. func.: lgdogf

$$-\frac{-24\,x^2 - 64\,x - 59}{-24\,x^3 - 74\,x^2 - 53\,x + 4}$$

Sequence: A280669
Score: 5.58714
Type of gen. func.: ogf

$$\frac{18\,x^4 - 155\,x^3 - 81\,x^2 + 19\,x + 11}{81\,x^4 + 27\,x^3 - 44\,x^2 - 29\,x + 1}$$

Sequence: A280674
Score: 5.96965
Type of gen. func.: ogf

$$\frac{(x - 1)\,(2\,x^2 - 1)\,(x^2 - 3\,x - 2)}{(x + 1)\,(4\,x^4 - 11\,x^3 + 6\,x - 1)}$$

Sequence: A280699
Score: 9.69415
Type of gen. func.: ogf

$$-\frac{2\,x^9 + x^8 + x^7 + 3\,x^6 + 2\,x^4 - 2\,x^3 - x^2 - x - 1}{(x - 1)\,(x + 1)\,(x^2 + x + 1)\,(x^2 - x + 1)\,(x^4 + x^2 - 1)}$$

Sequence: A280724
Score: 15.9527
Type of gen. func.: ogf

$$\frac{x^{27} + x^{9} + x^{3} + 1}{(x - 1)^{2}}$$

Sequence: A280731
Score: 10.8328
Type of gen. func.: ogf

$$\frac{8 x^{6} - x^{4} - 9 x^{3} - 3 x^{2} - 2 x - 1}{(3 x^{2} - 1) (3 x^{2} + 1)}$$

Sequence: A280756
Score: 16.5440
Type of gen. func.: ogf

$$\frac{2 x + 1}{x^{4} - 4 x^{2} - x + 1}$$

Sequence: A280756
Score: 7.97119
Type of gen. func.: ogf

$$-(85 f(x) - 167) (f(x) x^{4} - 4 f(x) x^{2} - f(x) x + f(x) - 2 x - 1)$$

Sequence: A280756
Score: 9.13367
Type of gen. func.: lgdogf

$$- \frac{-6 x^{4} - 4 x^{3} + 8 x^{2} + 8 x + 3}{-2 x^{5} - x^{4} + 8 x^{3} + 6 x^{2} - x - 1}$$

Sequence: A280757
Score: 14.5103
Type of gen. func.: ogf

$$\frac{(x + 2) x}{x^4 - x^3 - 4 x^2 + 1}$$

Sequence: A280757
Score: 7.69678
Type of gen. func.: ogf

$$-(463 f(x) - 512) (f(x) x^4 - f(x) x^3 - 4 f(x) x^2 - x^2 + f(x) - 2 x)$$

Sequence: A280757
Score: 9.03193
Type of gen. func.: lgdogf

$$- \frac{-3 x^4 - 6 x^3 + 10 x^2 + 16 x + 1}{-x^5 - x^4 + 6 x^3 + 8 x^2 - x - 2}$$

Sequence: A280758
Score: 13.4411
Type of gen. func.: ogf

$$\frac{x^2 + x + 1}{x^4 - x^3 - 3 x^2 - x + 1}$$

Sequence: A280758
Score: 7.1341
Type of gen. func.: ogf

$$(10 f(x) + 3) (f(x) x^4 - f(x) x^3 - 3 f(x) x^2 - f(x) x - x^2 + f(x) - x - 1)$$

Sequence: A280758
Score: 9.27433
Type of gen. func.: lgdogf

$$- \frac{2 x^5 + 2 x^4 + 2 x^3 - 5 x^2 - 8 x - 2}{}$$

$$x^6 - 3 x^4 - 5 x^3 - 3 x^2 + 1$$

Sequence: A280761
Score: 13.5616
Type of gen. func.: ogf

$$\frac{8 (x + 1)}{x^2 - 34 x + 1}$$

Sequence: A280761
Score: 7.00935
Type of gen. func.: ogf

$$(297 f(x) + 74) (f(x) x^2 - 34 f(x) x + f(x) - 8 x - 8)$$

Sequence: A280761
Score: 7.33921
Type of gen. func.: ogf

$$\{-a(n + 2) + 34 a(n + 1) - a(n), a(0) = 8, a(1) = 280\}$$

Sequence: A280761
Score: 9.31094
Type of gen. func.: lgdogf

$$- \frac{x^2 + 2 x - 35}{x^3 - 33 x^2 - 33 x + 1}$$

Sequence: A280811
Score: 8.80400
Type of gen. func.: ogf

$$- \frac{x (4 x^{27} - x^{26} + 4 x^{17} - 6 x^{15} + 6 x^9 - 6 x^4 + x^2 - 2 x + 7)}{x - 1}$$

Sequence: A280822
Score: 7.48428
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-6x^4+2x^3-5x^2+x-4}{x^5-x^4+x^3-x^2+x-1}$$

Sequence: A280853
Score: 4.23741
Type of gen. func.: ogf

$$(-744291+9711680\,f(x))\,(8\,f(x)\,x^4-8\,f(x)\,x^3-4x^4+2\,f(x)\,x^2+4x^3-4\,f(x)\,x+3x^2+f(x)-x-2)$$

Sequence: A280853
Score: 7.77687
Type of gen. func.: ogf

$$\frac{(x-1)(4x^3-3x-2)}{8x^4-8x^3+2x^2-4x+1}$$

Sequence: A280854
Score: 5.16848
Type of gen. func.: ogf

$$\frac{12x^8-16x^7-4x^6+11x^5-48x^4-12x^3-12x^2+21x+4}{2x^7-2x^6+x^4-4x^3-2x+1}$$

Sequence: A280860
Score: 7.23345
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{11}+x^{10}-x^8+x^7+x^6-x^5+x^4+x^3-x^2+1}{{}^{12}}$$

$$x - 1$$

Sequence: A280863
Score: 7.50406
Type of gen. func.: ogf

$$- \frac{x^{32} + x^{24} - x^{16} - x^{8} - 1}{x^{33} - x^{32} - x^{25} - x^{24} - 2 x^{17} + x^{16} - 2 x^{9} + x^{8} - x + 1}$$

Sequence: A280865
Score: 12.8394
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{28} - x^{27} - x^{26} + x^{2} - 1}{-x^{28} - x^{2} + 1}$$

Sequence: A280865
Score: 18.9609
Type of gen. func.: lgdogf

$$- \frac{27 x^{26} + 1}{x^{27} + x - 1}$$

Sequence: A280865
Score: 30.6721
Type of gen. func.: ogf

$$- \frac{1}{x^{27} + x - 1}$$

Sequence: A280874
Score: 12.3976
Type of gen. func.: ogf_with_Euler_transform]

4   3   2

$$-\frac{-2 x - x - 2 x - x - 2}{-x^{6} + 1}$$

Sequence: A280891
Score: 10.9297
Type of gen. func.: ogf

$$f(x)^{2} x^{3} + 3 f(x) x^{2} + 2 f(x) x + x^{2} - f(x) + 2 x + 1$$

Sequence: A280891
Score: 4.08716
Type of gen. func.: ogf

$$\{(-4 n^{2} - 14 n - 12) a(n + 1) + (-7 n^{2} - 47 n - 74) a(n + 2) + (-2 n^{2} - 22 n - 64) a(n + 3) + (n^{2} + 11 n + 28) a(n + 4), a(0) = 1, a(1) = 4, a(2) = 12, a(3) = 37\}$$

Sequence: A280896
Score: 4.33425
Type of gen. func.: ogf

$$\frac{x (32 x^{6} - 192 x^{5} + 408 x^{4} - 380 x^{3} + 112 x^{2} - 15 x + 1)}{(4 x^{2} - 8 x + 1)^{3}}$$

Sequence: A280897
Score: 3.46574
Type of gen. func.: ogf

$$-\frac{2 x (256 x^{6} + 1344 x^{5} + 2416 x^{4} + 1764 x^{3} + 570 x^{2} + 113 x + 5)}{(8 x^{2} + 14 x - 1)^{3}}$$

Sequence: A280908
Score: 11.8832
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^{6} - 2 x^{4} - x^{3} - 2 x^{2} - 2}{-x^{8} + 1}$$

Sequence: A280920
Score: 4.61875
Type of gen. func.: ogf

{(-n + 3) a(n + 1) + (-3 - n) a(n + 2) + a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0,

a(3) = 0, a(4) = 0, a(5) = 720}

Sequence: A280931
Score: 11.3347
Type of gen. func.: lgdogf

$$-\frac{-14 x^{2} - 34 x - 31}{-14 x^{3} - 31 x^{2} - 3 x + 17}$$

Sequence: A280931
Score: 16.8815
Type of gen. func.: ogf

$$-\frac{2 (14 x + 17)}{x^{2} + x - 1}$$

Sequence: A280931
Score: 8.8159
Type of gen. func.: ogf

$$(65 f(x) - 288) (f(x) x^{2} + f(x) x - f(x) + 28 x + 34)$$

Sequence: A280931
Score: 9.44561
Type of gen. func.: ogf

$$\{a(n+2) - a(n+1) - a(n), a(0) = 34, a(1) = 62\}$$

Sequence: A280932
Score: 10.7323
Type of gen. func.: lgdogf

$$-\frac{-41 x^2 - 112 x - 97}{-41 x^3 - 97 x^2 - 15 x + 56}$$

Sequence: A280932
Score: 16.4410
Type of gen. func.: ogf

$$-\frac{41 x + 56}{x^2 + x - 1}$$

Sequence: A280932
Score: 8.39922
Type of gen. func.: ogf

$$(209 f(x) - 2295) (f(x) x^2 + f(x) x - f(x) + 41 x + 56)$$

Sequence: A280932
Score: 9.19915
Type of gen. func.: ogf

$$\{a(n+2) - a(n+1) - a(n), a(0) = 56, a(1) = 97\}$$

Sequence: A280939
Score: 19.7815
Type of gen. func.: revegf]

$$-1/2 \ln(x^2 + 1) + \operatorname{arcsinh}(x)$$

Sequence: A280955

Score: 4.55642
Type of gen. func.: ogf

$$\{-a(n+4) + 4\,a(n+3) + 4\,a(n+2) + a(n+1),\ a(0) = 2,\ a(1) = 9,\ a(2) = 42,\ a(3) = 205\}$$

Sequence: A280955
Score: 4.96062
Type of gen. func.: ogf

$$(367\,f(x) + 1210)\,(f(x)\,x^3 + 4\,f(x)\,x^2 - x^3 + 4\,f(x)\,x - 2\,x^2 - f(x) + x + 2)$$

Sequence: A280955
Score: 8.91474
Type of gen. func.: ogf

$$\frac{(x-1)\,(x+2)\,(x+1)}{x^3 + 4\,x^2 + 4\,x - 1}$$

Sequence: A281005
Score: 5.78216
Type of gen. func.: ogf

$$-(x^{25} + x^{22} - x^{21} + x^{19} - x^{18} + x^{16} - x^{15} + x^{13} - x^{12} + x^{10} + x^8 + 2\,x^7 - 2\,x^6 - x^5 - x^4 - 2\,x^3 - 2\,x^2 - 2\,x - 3) \Big/ ((x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\,(x-1)^2)$$

Sequence: A281026
Score: 10.3998
Type of gen. func.: lgdogf

$$-\frac{-3\,x^4 - 4\,x^3 - 5\,x^2 - 2\,x - 4}{-x^5 - x^3 + x^2 + 1}$$

Sequence: A281026
Score: 10.7850
Type of gen. func.: ogf

$$-\frac{(x^2+x+1)\,x}{(x^2+1)\,(x-1)^3}$$

Sequence: A281026
Score: 26.3483
Type of gen. func.: ogf_with_Euler_transform]

$$x^3-x^2-x+4$$

Sequence: A281028
Score: 5.21770
Type of gen. func.: ogf

$$\frac{2\,x^2\,(2\,x^3-1)^2}{(4\,x^5+2\,x^4-2\,x^3-x^2-3\,x+1)^2}$$

Sequence: A281050
Score: 6.54783
Type of gen. func.: lgdogf

$$-\frac{-12\,x^4+20\,x^3-18\,x^2+14\,x-6}{-4\,x^5+17\,x^4-22\,x^3+15\,x^2-6\,x+1}$$

Sequence: A281050
Score: 6.74427
Type of gen. func.: ogf

$$-\frac{x\,(4\,x^3-5\,x^2+3\,x-1)}{(x^2-3\,x+1)^3}$$

Sequence: A281051
Score: 7.47238
Type of gen. func.: ogf

$$-\frac{2x(2x+1)(x+3)(2x^2+4x+1)}{(x+1)(2x-1)^3}$$

Sequence: A281057
Score: 3.71079
Type of gen. func.: ogf

$$x(x^{12}-2x^{11}-8x^{10}+13x^9+31x^8-14x^7-43x^6-18x^5+29x^4+22x^3-11x^2-x-1)\Big/\left((x-1)^2(x^2+x-1)^3\right)$$

Sequence: A281064
Score: 10.5156
Type of gen. func.: ogf

$$-\frac{4(x-1)(x^2+5x+1)}{(x^2+4x-1)(x^2-4x-1)}$$

Sequence: A281064
Score: 6.27247
Type of gen. func.: ogf

$$(142120 f(x)-110303)(f(x)x^4-18f(x)x^2+4x^3+16x^2+f(x)-16x-4)$$

Sequence: A281074
Score: 3.58033
Type of gen. func.: ogf

$$\frac{2x^2(x^8+x^7-4x^6-x^4-9x^3+7x^2-6x+3)}{(x-1)^2(x^5+3x^4+2x^3+x^2+2x-1)^2}$$

Sequence: A281098
Score: 5.28021
Type of gen. func.: ogf

$$-\frac{x\,(x^{10} - x^{9} + 4\,x^{8} - 5\,x^{7} + 3\,x^{6} - 6\,x^{5} - 3\,x^{4} - 5\,x^{3} - 4\,x^{2} - x - 1)}{(x^{2} + x + 1)\,(x^{2} - x + 1)\,(x - 1)^{2}\,(x + 1)^{2}\,(x^{2} + 1)}$$

Sequence: A281124
Score: 5.78760
Type of gen. func.: ogf

$$-\frac{2\,x\,(x + 1)\,(3\,x^{3} + 5\,x^{2} - 5\,x - 1)}{(x^{3} + 4\,x^{2} + 4\,x - 1)^{2}}$$

Sequence: A281133
Score: 4.90984
Type of gen. func.: ogf

$$-\frac{8\,x^{2}\,(4\,x - 3)\,(x - 1)^{2}}{(8\,x^{4} - 8\,x^{3} + 2\,x^{2} - 4\,x + 1)^{2}}$$

Sequence: A281146
Score: 10.1160
Type of gen. func.: ogf

$$\frac{100\,x^{4} - x^{2} + 1}{(x - 1)\,(10\,x - 1)\,(x + 1)}$$

Sequence: A281146
Score: 4.47439
Type of gen. func.: ogf

$\{a(n + 4) - 10\,a(n + 3) - a(n + 2) + 10\,a(n + 1),\ a(0) = 1,\ a(1) = 10,$

$a(2) = 100,\ a(3) = 1000,\ a(4) = 10100\}$

Sequence: A281146
Score: 6.28834
Type of gen. func.: ogf

$$f(x)\,(10\,f(x)\,x^{3} - 100\,x^{4} - f(x)\,x^{2} - 10\,f(x)\,x + x^{2} + f(x) - 1)$$

Sequence: A281151
Score: 23.8217
Type of gen. func.: ogf_with_Euler_transform]

$$[x^{4} - x^{3} - x + 4]$$

Sequence: A281151
Score: 9.12942
Type of gen. func.: ogf

$$-\frac{x\,(x^{2} + 1)\,(x + 1)^{2}}{(x^{4} + x^{3} + x^{2} + x + 1)\,(x - 1)^{3}}$$

Sequence: A281156
Score: 8.43359
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{5} + 5\,x^{4} + 9\,x^{3} + 10\,x^{2} + 4\,x + 1}{-x^{8} + 4\,x^{6} - 6\,x^{4} + 4\,x^{2} - 1}$$

Sequence: A281157
Score: 7.63878
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{6} + 5\,x^{5} + 15\,x^{4} + 18\,x^{3} + 15\,x^{2} + 5\,x + 1}{-x^{8} + 4\,x^{6} - 6\,x^{4} + 4\,x^{2} - 1}$$

Sequence: A281166
Score: 12.9493
Type of gen. func.: ogf

$$-\frac{3 x^2 - 2 x + 1}{(2 x - 1) (x^2 - x + 1)}$$

Sequence: A281166
Score: 6.75132
Type of gen. func.: ogf

$$-(39 f(x) - 31) (2 f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) - 2 x + 1)$$

Sequence: A281166
Score: 7.05272
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 1, a(2) = 3\}$$

Sequence: A281166
Score: 8.31479
Type of gen. func.: lgdogf

$$-\frac{-6 x^4 + 8 x^3 - 3 x^2 - 1}{-6 x^5 + 13 x^4 - 17 x^3 + 12 x^2 - 5 x + 1}$$

Sequence: A281199
Score: 10.1816
Type of gen. func.: lgdogf

$$-\frac{-3 x^2 + 7 x - 5}{-x^3 + 4 x^2 - 4 x + 1}$$

Sequence: A281199
Score: 3.27447
Type of gen. func.: ogf

$$\{(-3 - n) a(n + 4) + (4 n + 13) a(n + 3) + (-11 - 4 n) a(n + 2) + (n + 3) a(n + 1), a(0) = 0, a(1) = 2, a(2) = 10, a(3) = 38\}$$

Sequence: A281199
Score: 5.13086
Type of gen. func.: ogf

$$(13 f(x) - 2) (f(x) x^4 - 6 f(x) x^3 + 11 f(x) x^2 - 6 f(x) x + 2 x^2 + f(x) - 2 x)$$

Sequence: A281199
Score: 9.87303
Type of gen. func.: ogf

$$- \frac{2 x (x - 1)}{(x^2 - 3 x + 1)^2}$$

Sequence: A281200
Score: 11.9168
Type of gen. func.: lgdogf

$$- \frac{28 x + 14}{8 x^3 + 16 x^2 - 8 x - 1}$$

Sequence: A281200
Score: 13.0203
Type of gen. func.: ogf

$$\frac{4 x^2 + 10 x + 1}{(2 x - 1)^2}$$

Sequence: A281200
Score: 6.76052
Type of gen. func.: ogf

$\{-a(n + 3) + 4 a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 14, a(2) = 56\}$

Sequence: A281200
Score: 9.76521
Type of gen. func.: ogf

$$-4 f(x) x^2 + 4 f(x) x + 4 x^2 - f(x) + 10 x + 1$$

Sequence: A281201
Score: 5.05911
Type of gen. func.: ogf

$$\frac{2 (x + 1) (2 x^6 - 9 x^4 - 8 x^3 + 7 x^2 + 11 x + 1)}{(x^4 - 2 x^2 - x + 1)^2}$$

Sequence: A281202
Score: 5.40302
Type of gen. func.: ogf

$$\frac{4 x^7 + 12 x^6 + 2 x^5 - 25 x^4 - 26 x^3 - 12 x^2 + 32 x + 5}{(x - 1)^2 (x^3 + x^2 + x - 1)^2}$$

Sequence: A281204
Score: 3.44490
Type of gen. func.: ogf

$$(10 x^{11} + 23 x^{10} + 56 x^9 + 92 x^8 + 88 x^7 + 21 x^6 - 26 x^5 - 107 x^4 - 126 x^3 - 47 x^2 + 86 x + 20) \Big/ ((x^3 + x^2 - 1)^2 (x^3 - x^2 + 2 x - 1)^2)$$

Sequence: A281206
Score: 6.88793
Type of gen. func.: ogf

$$-\frac{2x(2x^5+3x^4-6x^3-6x^2+4x+1)}{(x-1)(x^2+x-1)^2}$$

Sequence: A281207
Score: 5.97039
Type of gen. func.: ogf

$$\frac{x(5x^6-11x^5-38x^4+32x^3+60x^2-26x-10)}{(x-1)(x^2+x-1)^2}$$

Sequence: A281208
Score: 5.04139
Type of gen. func.: ogf

$$\frac{2x(x^8+13x^7-17x^6-55x^5+94x^4+69x^3-125x^2+8x+19)}{(x-1)^2(x^2+x-1)^2}$$

Sequence: A281209
Score: 4.60162
Type of gen. func.: ogf

$$-x(4x^9-10x^8-114x^7+56x^6+363x^5-422x^4-489x^3+596x^2+72x-130)\Big/\left((x-1)^2(x^2+x-1)^2\right)$$

Sequence: A281210
Score: 4.13351
Type of gen. func.: ogf

$$-2x(3x^{10}+6x^9-36x^8-180x^7+39x^6+525x^5-376x^4-785x^3+606x^2+280x-210)\Big/\left((x-1)^2(x^2+x-1)^2\right)$$

Sequence: A281211
Score: 3.96262
Type of gen. func.: ogf

$$-x \left(10 x^{11} + 18 x^{10} - 40 x^{9} - 274 x^{8} - 920 x^{7} + 12 x^{6} + 2793 x^{5} - 830 x^{4} - 4664 x^{3} + 1916 x^{2} + 2544 x - 1308\right) \Big/ \left((x - 1)^{2} (x^{2} + x - 1)^{2}\right)$$

Sequence: A281214
Score: 9.83106
Type of gen. func.: ogf

$$\frac{10 x^{3} + 11 x + 1}{(x - 1) (10 x + 1) (10 x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A281215
Score: 9.61428
Type of gen. func.: ogf

$$\frac{100 x^{3} + 11 x + 1}{(x - 1) (10 x + 1) (10 x - 1) (x + 1) (100 x^{2} + 1)}$$

Sequence: A281216
Score: 12.4236
Type of gen. func.: ogf

$$\frac{2 x^{3} + 3 x + 1}{(x^{2} + 1) (x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A281217
Score: 11.6844
Type of gen. func.: ogf

$$\frac{4 x^{3} + 3 x + 1}{\qquad\qquad^{2}}$$

$$(x - 1) (2 x + 1) (2 x - 1) (x + 1) (4 x + 1)$$

Sequence: A281231
Score: 7.82839
Type of gen. func.: lgdegf]

$$1/6 \exp(x) x^3 + 3/2 \exp(x) x^2 + 3 \exp(x) x + \exp(x)$$

Sequence: A281234
Score: 11.952
Type of gen. func.: ogf

$$-f(x) x^2 + 6 f(x) x - f(x) + 48 x$$

Sequence: A281234
Score: 14.9400
Type of gen. func.: lgdogf

$$- \frac{2 x - 6}{x^2 - 6 x + 1}$$

Sequence: A281234
Score: 18.8716
Type of gen. func.: ogf

$$\frac{48 x}{x^2 - 6 x + 1}$$

Sequence: A281234
Score: 8.74538
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + a(n), a(0) = 0, a(1) = 48\}$$

Sequence: A281235
Score: 8.74137

Type of gen. func.: ogf

$$-\frac{4\,(19\,x^5 + 33\,x^4 + 51\,x^3 - 33\,x^2 - 19\,x - 17)}{x^6 - 6\,x^3 + 1}$$

Sequence: A281236
Score: 8.85085
Type of gen. func.: ogf

$$\frac{96\,x\,(3\,x^4 + 10\,x^3 + 17\,x^2 + 10\,x + 3)}{x^6 - 6\,x^3 + 1}$$

Sequence: A281237
Score: 11.3655
Type of gen. func.: lgdogf

$$-\frac{-3\,x^2 + 2\,x - 3}{-3\,x^3 + 19\,x^2 - 9\,x + 1}$$

Sequence: A281237
Score: 15.7183
Type of gen. func.: ogf

$$-\frac{32\,(3\,x - 1)}{x^2 - 6\,x + 1}$$

Sequence: A281237
Score: 7.85914
Type of gen. func.: ogf

$$-(35\,f(x) - 796)\,(f(x)\,x^2 - 6\,f(x)\,x + f(x) + 96\,x - 32)$$

Sequence: A281237
Score: 8.79475

Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + a(n), a(0) = 32, a(1) = 96\}$$

Sequence: A281238
Score: 11.8287
Type of gen. func.: ogf

$$-f(x) x^{2} + 6 f(x) x - f(x) + 768 x$$

Sequence: A281238
Score: 15.0323
Type of gen. func.: lgdogf

$$-\frac{2 x - 6}{x^{2} - 6 x + 1}$$

Sequence: A281238
Score: 18.5013
Type of gen. func.: ogf

$$\frac{768 x}{x^{2} - 6 x + 1}$$

Sequence: A281238
Score: 8.69339
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) + a(n), a(0) = 0, a(1) = 768\}$$

Sequence: A281239
Score: 9.09888
Type of gen. func.: ogf

$$-\frac{2 (19 x^{5} + 33 x^{4} + 51 x^{3} - 33 x^{2} - 19 x - 17)}{x^{6} - 6 x^{3} + 1}$$

Sequence: A281240
Score: 8.63983
Type of gen. func.: ogf

$$\frac{48\,x\,(3\,x^4 + 10\,x^3 + 17\,x^2 + 10\,x + 3)}{x^6 - 6\,x^3 + 1}$$

Sequence: A281241
Score: 8.30804
Type of gen. func.: ogf

$$-\frac{8\,(19\,x^5 + 33\,x^4 + 51\,x^3 - 33\,x^2 - 19\,x - 17)}{x^6 - 6\,x^3 + 1}$$

Sequence: A281242
Score: 8.49308
Type of gen. func.: ogf

$$\frac{192\,x\,(3\,x^4 + 10\,x^3 + 17\,x^2 + 10\,x + 3)}{x^6 - 6\,x^3 + 1}$$

Sequence: A281243
Score: 11.3826
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^8 - x^7 + x^3}{x^{10} - 1}$$

Sequence: A281244
Score: 9.93949
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{10} + x^9 - x^4$$

$$-\frac{}{-x^{12} + 1}$$

Sequence: A281245
Score: 9.13142
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{12} - x^{11} + x^{5}}{x^{14} - 1}$$

Sequence: A281258
Score: 14.0175
Type of gen. func.: ogf

$$-\frac{3 x (3 x^{6} + 2 x^{3} + 1)}{(x - 1) (x^{6} + x^{3} + 1)}$$

Sequence: A281262
Score: 4.07025
Type of gen. func.: ogf

$$\{(16 n^{2} + 64 n + 60) a(n + 1) + (4 n^{2} + 18 n + 20) a(n + 2) + (-3 - n) a(n + 3)$$

$$, a(0) = 1, a(1) = 0, a(2) = 6\}$$

Sequence: A281271
Score: 11.5042
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{7} - x^{5} + x^{2}}{x^{10} - 1}$$

Sequence: A281272
Score: 12.7655
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{6}+x^{3}-x}{-x^{10}+1}$$

Sequence: A281320
Score: 3.02525
Type of gen. func.: ogf

$\{(n + 3) a(n + 4) + (-34 - 10 n) a(n + 3) + (52 + 20 n) a(n + 2)$

$+ (-24 - 8 n) a(n + 1), a(0) = 0, a(1) = 2, a(2) = 28, a(3) = 304\}$

Sequence: A281320
Score: 4.45018
Type of gen. func.: ogf

$-(5608 f(x) - 271)$

$(16 f(x) x^{4} - 64 f(x) x^{3} + 72 f(x) x^{2} - 16 f(x) x + 4 x^{2} + f(x) - 2 x)$

Sequence: A281320
Score: 8.90036
Type of gen. func.: lgdogf

$$-\frac{-24 x^{2} + 32 x - 14}{-8 x^{3} + 20 x^{2} - 10 x + 1}$$

Sequence: A281320
Score: 8.90036
Type of gen. func.: ogf

$$-\frac{2 x (2 x - 1)}{(4 x^{2} - 8 x + 1)^{2}}$$

Sequence: A281321
Score: 2.77259
Type of gen. func.: ogf

$$-(-12874824094073 + 3148715053296 f(x)) (64 f(x) x^4 + 224 f(x) x^3 - 64 x^4 + 180 f(x) x^2 - 200 x^3 - 28 f(x) x - 158 x^2 + f(x) - 18 x - 1)$$

Sequence: A281321
Score: 5.31652
Type of gen. func.: ogf

$$\frac{64 x^4 + 200 x^3 + 158 x^2 + 18 x + 1}{(8 x^2 + 14 x - 1)^2}$$

Sequence: A281333
Score: 10.4429
Type of gen. func.: ogf

$$- \frac{x^4 + x^3 + x^2 + 1}{(x^2 + x + 1) (x + 1) (x - 1)^3}$$

Sequence: A281338
Score: 7.16460
Type of gen. func.: ogf

$$- \frac{6 x^4 + 2 x^3 + x^2 - 2 x - 2}{4 x^5 + 2 x^4 - 2 x^3 - x^2 - 3 x + 1}$$

Sequence: A281339
Score: 3.95862
Type of gen. func.: ogf

$$- \frac{4 x^9 + 4 x^8 + 9 x^7 + 16 x^6 - 3 x^5 + 30 x^4 + 18 x^3 - 3 x^2 + 13 x + 4}{2 x^9 + 2 x^7 + 2 x^6 - x^5 + 7 x^4 - x^3 - x^2 + 3 x - 1}$$

Sequence: A281362
Score: 11.0124
Type of gen. func.: ogf

$$-\frac{x^4 - x^2 + 1}{(x + 1)(x^2 + x - 1)(x - 1)^2}$$

Sequence: A281366
Score: 10.2868
Type of gen. func.: ogf

$$\frac{9 x^6 - x^4 - 10 x^3 - 3 x^2 - 2 x - 1}{10 x^4 - 1}$$

Sequence: A281381
Score: 15.1378
Type of gen. func.: ogf

$$\frac{3 x (x + 3)}{(x - 1)^4}$$

Sequence: A281381
Score: 20.0808
Type of gen. func.: lgdogf

$$-\frac{3 x + 13}{x^2 + 2 x - 3}$$

Sequence: A281381
Score: 6.51629
Type of gen. func.: ogf

{(6 + 3 n) a(n + 3) + (-15 - 2 n) a(n + 2) + (-3 - n) a(n + 1), a(0) = 0,

a(1) = 9, a(2) = 39}

Sequence: A281381
Score: 7.23501
Type of gen. func.: ogf

$$(177920 f(x) + 1042089)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 3 x^2 + f(x) - 9 x)$$

Sequence: A281387
Score: 11.6736
Type of gen. func.: ogf

$$- \frac{4 x^3 + x^2 - 11 x - 4}{(x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A281387
Score: 7.40824
Type of gen. func.: ogf

$$(20 f(x) - 51) (f(x) x^4 - 3 f(x) x^2 + 4 x^3 + x^2 + f(x) - 11 x - 4)$$

Sequence: A281390
Score: 4.94945
Type of gen. func.: ogf

$$- 5 (199999999960828877 x^3 - 1980000000 x^2 - 1980000000 x - 200000015998828877) \Big/ ((x^2 + x + 1) (x - 1)^2)$$

Sequence: A281394
Score: 5.52580
Type of gen. func.: ogf

$$\frac{2 x^2 (x^2 + 3 x - 3) (x^2 - x - 1)}{(2 x^4 - x^2 - 3 x + 1)^2}$$

Sequence: A281401
Score: 4.10574
Type of gen. func.: ogf

$$\frac{2 x^{2} (2 x^{3} - 2 x - 1) (12 x^{4} - 2 x^{3} - 16 x^{2} - 4 x + 5)}{(2 x - 1) (2 x^{4} - 3 x^{2} - x + 1)^{2}}$$

Sequence: A281402
Score: 3.55426
Type of gen. func.: ogf

$$- x (32 x^{11} + 28 x^{10} - 34 x^{9} + 92 x^{8} - 519 x^{7} + 308 x^{6} - 441 x^{5} + 548 x^{4} - 171 x^{3} + 174 x^{2} - 107 x - 6) \Big/ ((x - 1)^{2} (2 x^{3} + x - 1)^{2})$$

Sequence: A281433
Score: 7.59321
Type of gen. func.: lgdegf]

$$- \frac{x^{5} - x^{4} - x^{2} - x - 1}{-x^{5} + x^{4} + x^{3} - 2 x^{2} + 1}$$

Sequence: A281445
Score: 11.7972
Type of gen. func.: lgdogf

$$- \frac{4 x^{3} + 10 x^{2} + 23 x + 7}{4 x^{4} + 3 x^{3} - 3 x - 4}$$

Sequence: A281445
Score: 14.3114
Type of gen. func.: ogf

$$\frac{4 x^{2} + 3 x + 4}{\qquad {}^{2}}$$

$$(x + 1) (x - 1)$$

Sequence: A281445
Score: 7.39826
Type of gen. func.: ogf

$$-(13 f(x) + 335) (f(x) x^3 - f(x) x^2 - f(x) x - 4 x^2 + f(x) - 3 x - 4)$$

Sequence: A281445
Score: 7.72562
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 4, a(1) = 7, a(2) = 15\}$$

Sequence: A281454
Score: 7.78558
Type of gen. func.: lgdegf]

$$1/6 \exp(x) x^4 + 13/6 \exp(x) x^3 + 15/2 \exp(x) x^2 + 7 \exp(x) x + \exp(x)$$

Sequence: A281455
Score: 9.43719
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^{11} + x^9 - x^4}{-x^{14} + 1}$$

Sequence: A281456
Score: 9.58817
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^{10} + x^7 - x^3}{-x^{14} + 1}$$

Sequence: A281457
Score: 9.72788
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{9}+x^{5}-x^{2}}{-x^{14}+1}$$

Sequence: A281458
Score: 10.6953
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{8}-x^{3}+x}{x^{14}-1}$$

Sequence: A281459
Score: 9.94504
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{12}-x^{11}+x^{7}+x^{5}-x+1}{x^{14}-1}$$

Sequence: A281460
Score: 9.56738
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{11}-x^{9}+x^{8}+x^{4}-x^{3}+x}{x^{14}-1}$$

Sequence: A281461
Score: 9.05396
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{10}-x^{9}+x^{7}+x^{5}-x^{3}-x^{2}}{-x^{14}+1}$$

Sequence: A281464
Score: 5.34655
Type of gen. func.: ogf

$$\frac{16 x^{8} - 24 x^{7} + 12 x^{6} + 12 x^{5} - 26 x^{4} - 10 x^{2} + 9 x + 4}{4 x^{7} - 4 x^{6} + 4 x^{5} + 3 x^{4} - 3 x^{3} - 2 x + 1}$$

Sequence: A281465
Score: 4.41824
Type of gen. func.: ogf

$$\frac{41 x^{9} - 10 x^{8} - 90 x^{7} - 50 x^{6} + 59 x^{5} + 84 x^{4} + 12 x^{3} + 6 x^{2} - 29 x - 8}{(x - 1) (3 x^{7} + 3 x^{6} - 2 x^{5} - 6 x^{4} - 5 x^{3} - x^{2} + 1)}$$

Sequence: A281470
Score: 6.93578
Type of gen. func.: ogf

$$- \frac{8 x^{5} + 2 x^{4} - 10 x^{3} - 9 x^{2} + 2 x + 2}{(2 x - 1) (2 x^{4} - 3 x^{2} - x + 1)}$$

Sequence: A281471
Score: 6.52220
Type of gen. func.: ogf

$$\frac{2 x^{7} - 2 x^{6} + 14 x^{5} - 39 x^{4} + 8 x^{3} - 22 x^{2} + 17 x + 4}{(x - 1) (2 x^{3} + x - 1)}$$

Sequence: A281472
Score: 5.96328
Type of gen. func.: ogf

$$4 x^{8} - 8 x^{7} + 23 x^{6} - 40 x^{5} - 83 x^{4} + 49 x^{3} - 94 x^{2} + 65 x + 8$$

$$\overline{(x-1)(x^2+1)(x^2+x-1)}$$

Sequence: A281473
Score: 4.52479
Type of gen. func.: ogf

$$(2x^{10}+x^9-24x^8+132x^7-288x^6+124x^5-251x^4+189x^3-379x^2+232x+16)\ /\ ((x-1)(x^5+x^3+x-1))$$

Sequence: A281474
Score: 4.06617
Type of gen. func.: ogf

$$-(6x^{11}-x^{10}+64x^9-548x^8+906x^7+108x^6-617x^5+818x^4-664x^3+1399x^2-793x-32)\ /\ ((x-1)(x^6+x^3+x-1))$$

Sequence: A281481
Score: 11.7597
Type of gen. func.: ogf

$$-\frac{11x^2-10x+2}{(x-1)(2x-1)(4x-1)}$$

Sequence: A281481
Score: 6.32454
Type of gen. func.: ogf

$$-(2f(x)-13)(8f(x)x^3-14f(x)x^2+7f(x)x+11x^2-f(x)-10x+2)$$

Sequence: A281481
Score: 6.60194
Type of gen. func.: ogf

$\{-a(n + 3) + 7 a(n + 2) - 14 a(n + 1) + 8 a(n), a(0) = 2, a(1) = 4, a(2) = 11\}$

Sequence: A281481
Score: 6.84201
Type of gen. func.: lgdogf

$$-\frac{88 x^4 - 160 x^3 + 111 x^2 - 34 x + 4}{88 x^5 - 234 x^4 + 233 x^3 - 109 x^2 + 24 x - 2}$$

Sequence: A281482
Score: 11.7004
Type of gen. func.: ogf

$$-\frac{4 x^2 - 10 x + 3}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A281482
Score: 6.30019
Type of gen. func.: ogf

$$(243 f(x) + 142) (8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x + 4 x^2 - f(x) - 10 x + 3)$$

Sequence: A281482
Score: 6.40977
Type of gen. func.: ogf

$\{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 8 a(n), a(0) = 3, a(1) = 11, a(2) = 39\}$

Sequence: A281482
Score: 6.64076
Type of gen. func.: lgdogf

$$-\frac{-32 x^4 + 160 x^3 - 184 x^2 + 76 x - 11}{-32 x^5 + 136 x^4 - 192 x^3 + 116 x^2 - 31 x + 3}$$

Sequence: A281500
Score: 14.9097
Type of gen. func.: ogf

$$\frac{4 x^2 + 3 x + 2}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A281500
Score: 8.85263
Type of gen. func.: ogf

$$(127 f(x) + 93) (4 f(x) x^4 - 5 f(x) x^2 - 4 x^2 + f(x) - 3 x - 2)$$

Sequence: A281503
Score: 10.4908
Type of gen. func.: ogf

$$- \frac{(x - 1) (x^2 + 4 x + 1)}{x^4 - 46 x^2 + 1}$$

Sequence: A281503
Score: 6.23778
Type of gen. func.: ogf

$$(992640 f(x) + 69299) (f(x) x^4 - 46 f(x) x^2 + x^3 + 3 x^2 + f(x) - 3 x - 1)$$

Sequence: A281504
Score: 10.9550
Type of gen. func.: ogf

$$\frac{(x + 1) (5 x^2 + 12 x + 5)}{x^4 - 46 x^2 + 1}$$

Sequence: A281504

Score: 6.36702
Type of gen. func.: ogf

$$-(162432 f(x) - 87497) (f(x) x^4 - 46 f(x) x^2 - 5 x^3 - 17 x^2 + f(x) - 17 x - 5)$$

Sequence: A281546
Score: 10.3534
Type of gen. func.: ogf

$$(54 f(x) + 733) (f(x) x^2 - 2 f(x) x + f(x) - 25 x - 2)$$

Sequence: A281546
Score: 11.1019
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 2, a(1) = 29\}$$

Sequence: A281546
Score: 17.7203
Type of gen. func.: lgdogf

$$-\frac{-25 x - 29}{-25 x^2 + 23 x + 2}$$

Sequence: A281546
Score: 20.0316
Type of gen. func.: ogf

$$\frac{25 x + 2}{(x - 1)^2}$$

Sequence: A281548
Score: 2.70805
Type of gen. func.: ogf

$$f(x)^3 x^2 + 4 f(x)^2 x^2 - f(x)^2 x + 4 f(x) x - f(x) + 1$$

Sequence: A281557
Score: 3.38227
Type of gen. func.: ogf

$$\frac{x^2 (4 x^8 + 4 x^7 - 52 x^6 + 56 x^5 + 14 x^4 - 68 x^3 + 27 x^2 - 3 x + 1)}{(2 x^4 - x^2 - 3 x + 1)^3}$$

Sequence: A281581
Score: 4.26763
Type of gen. func.: ogf

$$(39924 f(x) - 55991) (240 f(x) x^4 - 268 f(x) x^3 + 104 f(x) x^2 + 82 x^3 - 17 f(x) x - 57 x^2 + f(x) + 13 x - 1)$$

Sequence: A281581
Score: 7.60325
Type of gen. func.: ogf

$$-\frac{82 x^3 - 57 x^2 + 13 x - 1}{(6 x - 1) (4 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A281584
Score: 11.6371
Type of gen. func.: ogf

$$\frac{(2 x + 1) (x + 2) (x + 1)}{x^4 - 8 x^2 + 1}$$

Sequence: A281584
Score: 7.06926
Type of gen. func.: ogf

$$-(140 f(x) + 9) (f(x) x^4 - 8 f(x) x^2 - 2 x^3 - 7 x^2 + f(x) - 7 x - 2)$$

Sequence: A281593
Score: 11.7129
Type of gen. func.: lgdogf

$$-\frac{-4x^2+2x-1}{-8x^3+14x^2-7x+1}$$

Sequence: A281593
Score: 3.78776
Type of gen. func.: ogf

{(n + 4) a(n + 4) + (-22 - 7 n) a(n + 3) + (30 + 14 n) a(n + 2)

+ (-12 - 8 n) a(n + 1), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 11}

Sequence: A281593
Score: 8.18643
Type of gen. func.: ogf

$$-4 f(x)^2 x^3 + 9 f(x)^2 x^2 - 6 f(x)^2 x + f(x)^2 - 4 x^2 + 4 x - 1$$

Sequence: A281600
Score: 5.82656
Type of gen. func.: ogf

$$-\frac{48x^5+28x^4+26x^3+34x^2-x-4}{40x^5+64x^4+26x^3-10x^2-7x+1}$$

Sequence: A281647
Score: 10.4095
Type of gen. func.: ogf

$$\frac{2(x+1)(x^2+10x+1)}{(x^2+6x-1)(x^2-6x-1)}$$

Sequence: A281647
Score: 6.04999
Type of gen. func.: ogf

$$-(194805 f(x) + 64717) (f(x) x^4 - 38 f(x) x^2 - 2 x^3 - 22 x^2 + f(x) - 22 x - 2)$$

Sequence: A281654
Score: 3.74672
Type of gen. func.: ogf

$$\frac{2 x (64 x^7 - 192 x^6 + 256 x^5 - 208 x^4 + 100 x^3 - 40 x^2 + 19 x + 2)}{(8 x^4 - 8 x^3 + 2 x^2 - 4 x + 1)^2}$$

Sequence: A281660
Score: 5.21307
Type of gen. func.: ogf

$$\{(n^3 + 10 n^2 + 34 n + 40) a(n + 1) + (-n^3 - 4 n^2 - 6 n - 4) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 15\}$$

Sequence: A281660
Score: 7.26960
Type of gen. func.: ogf

$$\frac{(5 x^2 + 1) (x^4 + 2 x^3 + 6 x^2 + 2 x + 1)}{(x - 1)^4 (x + 1)^4}$$

Sequence: A281661
Score: 4.74856
Type of gen. func.: ogf

$$(35 x^{10} + 130 x^9 + 861 x^8 + 832 x^7 + 2054 x^6 + 828 x^5 + 850 x^4 + 128 x^3 + 39 x^2 + 2 x + 1) / ((x - 1)^6 (x + 1)^6)$$

Sequence: A281683
Score: 22.5870
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{1}{x^2 + 2 x + 1}$$

Sequence: A281698
Score: 4.8254
Type of gen. func.: ogf

$$(16700 f(x) + 69327) (48 f(x) x^4 - 92 f(x) x^3 + 56 f(x) x^2 + 122 x^3 - 13 f(x) x - 153 x^2 + f(x) + 51 x - 5)$$

Sequence: A281698
Score: 8.64083
Type of gen. func.: ogf

$$-\frac{122 x^3 - 153 x^2 + 51 x - 5}{(x - 1) (6 x - 1) (4 x - 1) (2 x - 1)}$$

Sequence: A281699
Score: 13.5336
Type of gen. func.: ogf

$$-\frac{2 (32 x^2 - 24 x + 7)}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A281699
Score: 6.92666
Type of gen. func.: ogf

$$-(10251 f(x) - 72560) (8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x + 64 x^2 - f(x) - 48 x + 14)$$

Sequence: A281699
Score: 7.51869
Type of gen. func.: ogf

$\{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 8 a(n), a(0) = 14, a(1) = 50, a(2) = 218$

$\}$

Sequence: A281699
Score: 7.71655
Type of gen. func.: lgdogf

$$-\frac{256 x^4 - 384 x^3 + 280 x^2 - 132 x + 25}{256 x^5 - 640 x^4 + 616 x^3 - 298 x^2 + 73 x - 7}$$

Sequence: A281710
Score: 9.47281
Type of gen. func.: ogf

$$-\frac{4 x^5 + 4 x^4 + x^3 + 6 x^2 - 5 x - 1}{(x - 1) (x^2 + x - 1)}$$

Sequence: A281716
Score: 7.56955
Type of gen. func.: ogf

$$-\frac{2 x^4 + 2 x^3 - 4 x^2 - 3 x + 2}{(2 x - 1) (2 x^4 - 3 x^2 - x + 1)}$$

Sequence: A281727
Score: 11.5891
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^2 + 1)}{(x + 1) (x^2 - x + 1)}$$

Sequence: A281727
Score: 16.0615
Type of gen. func.: ogf_with_Euler_transform]

$$x^5 - x^3 - x^2 + x - 1$$

Sequence: A281727
Score: 6.88100
Type of gen. func.: ogf

$$\{-a(n + 4) - a(n + 1), a(0) = 1, a(1) = -1, a(2) = 1, a(3) = -2\}$$

Sequence: A281727
Score: 7.59282
Type of gen. func.: ogf

$$-(f(x) - 2) (f(x) x^3 + x^3 - x^2 + f(x) + x - 1)$$

Sequence: A281733
Score: 11.0904
Type of gen. func.: ogf

$$-1 + f(x) - 32 f(x)^2 x + 256 f(x)^3 x^2$$

Sequence: A281733
Score: 23.7104
Type of gen. func.: revogf

$$x (16 x - 1)^2$$

Sequence: A281733
Score: 5.33025
Type of gen. func.: ogf

$$\{(216 n^2 + 864 n + 840) a(n + 1) + (-2 n^2 - 11 n - 15) a(n + 2), a(0) = 1,$$

a(1) = 32}

Sequence: A281746
Score: 8.83226
Type of gen. func.: ogf

$$\frac{x\,(3x^6+2x^5+x^4+3x^3+x^2+2x+3)}{(x^6+x^5+x^4+x^3+x^2+x+1)\,(x-1)^2}$$

Sequence: A281760
Score: 4.92748
Type of gen. func.: ogf

$$(8x^{10}+8x^9+6x^8+36x^7-26x^6-32x^5+49x^4-38x^3-x^2+6x+2) \Big/ \left((x-1)^2\,(x^2+x-1)^2\right)$$

Sequence: A281766
Score: 4.94499
Type of gen. func.: ogf

$$\frac{2x\,(x-1)\,(x+1)\,(6x^4-x^3-8x^2-x+2)}{(2x-1)\,(2x^4-3x^2-x+1)^2}$$

Sequence: A281773
Score: 11.9314
Type of gen. func.: ogf

$$-\frac{x^2\,(3x+1)}{(x-1)\,(3x-1)\,(2x-1)}$$

Sequence: A281773
Score: 5.64693
Type of gen. func.: ogf

$\{a(n + 4) - 6 a(n + 3) + 11 a(n + 2) - 6 a(n + 1), a(0) = 0, a(1) = 0, a(2) = 1,$

$a(3) = 9\}$

Sequence: A281773
Score: 6.84953
Type of gen. func.: ogf

$$-f(x) (6 f(x) x^{3} - 11 f(x) x^{2} + 3 x^{3} + 6 f(x) x + x^{2} - f(x))$$

Sequence: A281773
Score: 8.70292
Type of gen. func.: lgdogf

$$- \frac{-36 x^{3} + 15 x^{2} + 22 x - 9}{-18 x^{4} + 27 x^{3} - 7 x^{2} - 3 x + 1}$$

Sequence: A281774
Score: 7.42660
Type of gen. func.: ogf

$$- \frac{6 x^{3} (10 x^{2} - 3 x + 1)}{(x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A281775
Score: 6.21449
Type of gen. func.: ogf

$$\frac{6 x^{4} (150 x^{2} - 59 x + 9)}{(x - 1) (6 x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A281776
Score: 5.10328
Type of gen. func.: ogf

$$- \frac{x^{3} (2100 x^{4} + 448 x^{3} - 235 x^{2} + 26 x + 1)}{}$$

$$(x - 1) (6 x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (7 x - 1) (5 x - 1)$$

Sequence: A281777
Score: 4.22690
Type of gen. func.: ogf

$$- 20 x^4 (1344 x^4 - 1100 x^3 + 181 x^2 - 4 x - 1)/((x - 1) (6 x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (8 x - 1) (7 x - 1) (5 x - 1))$$

Sequence: A281778
Score: 3.60883
Type of gen. func.: ogf

$$- 6 x^4 (22680 x^5 - 10839 x^4 + 3570 x^3 - 265 x^2 - 30 x + 4)/((x - 1) (6 x - 1) (4 x - 1) (3 x - 1) (9 x - 1) (2 x - 1) (8 x - 1) (7 x - 1) (5 x - 1))$$

Sequence: A281781
Score: 25.7654
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{1}{x^2 + 2 x + 1}$$

Sequence: A281787
Score: 4.2487
Type of gen. func.: ogf

$$(585974323 f(x) - 510769920) (1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 1400 x^2 - f(x) - 235 x + 23)$$

Sequence: A281787
Score: 4.64393
Type of gen. func.: ogf

$$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 23, a(1) = 2318, a(2) = 233168\}$$

Sequence: A281787
Score: 7.98756
Type of gen. func.: ogf

$$-\frac{1400 x^2 - 235 x + 23}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A281791
Score: 7.28361
Type of gen. func.: ogf

$$\frac{14 x^7 + 29 x^6 + 12 x^5 - 35 x^4 - 34 x^3 + 4 x^2 + 18 x + 3}{(x^3 + x^2 - 1)^2}$$

Sequence: A281813
Score: 10.7433
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - x^2 - f(x) + 6 x + 3$$

Sequence: A281813
Score: 13.3820
Type of gen. func.: lgdogf

$$-\frac{4 x + 12}{-x^3 + 7 x^2 - 3 x - 3}$$

Sequence: A281813
Score: 14.3920
Type of gen. func.: ogf

$$-\frac{x^2 - 6 x - 3}{(x - 1)^2}$$

Sequence: A281813
Score: 7.33438
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 3, a(1) = 12, a(2) = 20\}$$

Sequence: A281831
Score: 10.8887
Type of gen. func.: ogf

$$-\frac{x^2 + 2 x + 2}{2 x^3 + 3 x^2 + 3 x - 1}$$

Sequence: A281831
Score: 5.87798
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + 3 a(n + 1) + 2 a(n), a(0) = 2, a(1) = 8, a(2) = 31\}$$

Sequence: A281831
Score: 5.87799
Type of gen. func.: ogf

$$(37 f(x) + 31) (2 f(x) x^3 + 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 2 x + 2)$$

Sequence: A281831
Score: 6.64212
Type of gen. func.: lgdogf

$$-\frac{-2 x^4 - 8 x^3 - 15 x^2 - 14 x - 8}{-2 x^5 - 7 x^4 - 13 x^3 - 11 x^2 - 4 x + 2}$$

Sequence: A281832
Score: 4.00129
Type of gen. func.: ogf

$$-\frac{24x^7+46x^6+57x^5+61x^4+37x^3+8x^2-11x-4}{28x^7+15x^6+25x^5+23x^4-6x^3-4x^2-5x+1}$$

Sequence: A281857
Score: 6.24993
Type of gen. func.: ogf

$$\frac{9(33500x^2-550x+17)}{(x-1)(100x-1)(1000x-1)(10x-1)}$$

Sequence: A281858
Score: 3.86714
Type of gen. func.: ogf

$$(366617863337 f(x)+1819695139000)(1000000 f(x) x^3-111000 f(x) x^2$$
$$+1110 f(x) x+1000000 x^2-f(x)-74000 x+370)$$

Sequence: A281858
Score: 4.38825
Type of gen. func.: ogf

$\{-a(n+3)+1110 a(n+2)-111000 a(n+1)+1000000 a(n), a(0)=370,$

$a(1)=336700, a(2)=333667000\}$

Sequence: A281858
Score: 7.11199
Type of gen. func.: ogf

$$-\frac{10(100000x^2-7400x+37)}{(100x-1)(1000x-1)(10x-1)}$$

Sequence: A281859
Score: 5.33399
Type of gen. func.: ogf

$$-\frac{2000000 x^3 - 1815000 x^2 + 112110 x - 407}{(x - 1) (100 x - 1) (1000 x - 1) (10 x - 1)}$$

Sequence: A281860
Score: 5.38037
Type of gen. func.: ogf

$$-\frac{2000000 x^3 - 1185000 x^2 + 75480 x - 371}{(x - 1) (100 x - 1) (1000 x - 1) (10 x - 1)}$$

Sequence: A281861
Score: 7.04871
Type of gen. func.: ogf

$$5 f(x)^2 x^3 - f(x)^2 x + 4 f(x) x^2 + f(x) x - f(x) + x$$

Sequence: A281862
Score: 13.5554
Type of gen. func.: ogf_with_Euler_transform]

$$3 x^5 - x^3 - 3 x^2 - 2 x + 3$$

Sequence: A281862
Score: 6.90100
Type of gen. func.: ogf

$$\frac{(x^2 + 1) x}{(x^2 - x + 1)^3}$$

Sequence: A281863
Score: 10.3329
Type of gen. func.: ogf

$$\{a(n + 2) - 60 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A281863
Score: 15.8598
Type of gen. func.: ogf

$$-\frac{10 x + 1}{60 x^2 - 1}$$

Sequence: A281863
Score: 9.21585
Type of gen. func.: ogf

$$-(24 f(x) + 1) (60 f(x) x^2 - f(x) + 10 x + 1)$$

Sequence: A281863
Score: 9.34208
Type of gen. func.: lgdogf

$$-\frac{600 x^2 + 120 x + 10}{600 x^3 + 60 x^2 - 10 x - 1}$$

Sequence: A281873
Score: 47.1990
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A281899
Score: 14.0762
Type of gen. func.: ogf

$$\frac{x (7 x^2 + x + 1)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A281899

Score: 5.61321
Type of gen. func.: ogf

$$\{(7 + 3 n) a(n + 1) + 3 a(n + 2) + 3 a(n + 3) + (-3 n - 4) a(n + 4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 9\}$$

Sequence: A281899
Score: 7.49963
Type of gen. func.: ogf

$$-(66 f(x) + 625) (f(x) x^4 - f(x) x^3 - 7 x^3 - f(x) x - x^2 + f(x) - x)$$

Sequence: A281899
Score: 9.14954
Type of gen. func.: lgdogf

$$-\frac{-14 x^4 - 10 x^3 - 12 x^2 - 16 x - 2}{-7 x^5 - x^4 - x^3 + 7 x^2 + x + 1}$$

Sequence: A281912
Score: 4.00018
Type of gen. func.: ogf

$$\{(-n^2 - 7 n - 12) a(n + 1) + (n^2 + 10 n + 24) a(n + 2) + (-3 - n) a(n + 3), a(0) = 1, a(1) = 8, a(2) = 57\}$$

Sequence: A281912
Score: 9.44488
Type of gen. func.: lgdegf]

$$-\frac{x^3 - 6 x^2 + 9 x + 8}{-x^3 + 4 x^2 - 2 x - 1}$$

Sequence: A281930
Score: 10.1443
Type of gen. func.: lgdogf

$$-\frac{-12 x^2 - 12 x - 6}{-2 x^3 - 3 x^2 - 3 x + 1}$$

Sequence: A281930
Score: 3.41595
Type of gen. func.: ogf

$$\{(-10 - 2 n) a(n + 1) + (-3 n - 12) a(n + 2) + (-3 n - 9) a(n + 3) + (n + 2) a(n + 4), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 6\}$$

Sequence: A281930
Score: 9.29899
Type of gen. func.: ogf

$$\frac{x^2}{(2 x^3 + 3 x^2 + 3 x - 1)^2}$$

Sequence: A281946
Score: 3.27859
Type of gen. func.: ogf

$$\{(-n^2 - 7 n - 12) a(n + 1) + (-2 n^2 - 19 n - 44) a(n + 2) + (3 n^2 + 41 n + 144) a(n + 3) + (-3 n - 12) a(n + 4), a(0) = 1, a(1) = 16, a(2) = 195, a(3) = 2248\}$$

Sequence: A281946
Score: 8.30338
Type of gen. func.: lgdegf]

$$-\frac{2 x^4 - 15 x^3 + 20 x^2 + 67 x + 16}{-2 x^4 + 9 x^3 + 2 x^2 - 8 x - 1}$$

Sequence: A281949
Score: 11.4298
Type of gen. func.: ogf

$$-\frac{2 (x^2 + 1)}{4 x^3 - 2 x^2 + 4 x - 1}$$

Sequence: A281949
Score: 5.76549
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 2 a(n + 1) - 4 a(n), a(0) = 2, a(1) = 8, a(2) = 30\}$$

Sequence: A281949
Score: 6.03242
Type of gen. func.: ogf

$$(7 f(x) + 17) (4 f(x) x^3 - 2 f(x) x^2 + 4 f(x) x + 2 x^2 - f(x) + 2)$$

Sequence: A281949
Score: 7.40341
Type of gen. func.: lgdogf

$$-\frac{-4 x^4 - 8 x^2 + 2 x - 4}{-4 x^5 + 2 x^4 - 8 x^3 + 3 x^2 - 4 x + 1}$$

Sequence: A281964
Score: 3.40162
Type of gen. func.: ogf

$$\{(-n^3 - 10 n^2 - 33 n - 36) a(n + 1) + (n^2 + 7 n + 12) a(n + 2)$$

$$+ (-n - 5) a(n + 3) + a(n + 4), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 16\}$$

Sequence: A281982
Score: 3.19418
Type of gen. func.: ogf

$$\{(-4 n - 20) a(n + 1) + (2 n + 8) a(n + 2) + (-4 n - 12) a(n + 3) + (n + 2) a(n + 4), a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 16\}$$

Sequence: A281982
Score: 8.50343
Type of gen. func.: ogf

$$\frac{2 x^{2}}{(4 x^{3} - 2 x^{2} + 4 x - 1)^{2}}$$

Sequence: A281982
Score: 9.68083
Type of gen. func.: lgdogf

$$- \frac{-24 x^{2} + 8 x - 8}{-4 x^{3} + 2 x^{2} - 4 x + 1}$$

Sequence: A281999
Score: 7.35240
Type of gen. func.: lgdogf

$$- \frac{2 x^{5} + 82 x^{4} + 372 x^{3} + 472 x^{2} + 242 x + 30}{x^{6} + 26 x^{5} + 65 x^{4} - 65 x^{2} - 26 x - 1}$$

Sequence: A281999
Score: 8.88415
Type of gen. func.: ogf

$$- \frac{x^{4} + 26 x^{3} + 66 x^{2} + 26 x + 1}{(x + 1) (x - 1)^{5}}$$

Sequence: A282002

Score: 5.45327
Type of gen. func.: ogf

$$-(2420000000 f(x) - 476600059)$$

$$(100 f(x) x^4 + 1000 x^4 - 101 f(x) x^2 - 100 x^3 + 90 x^2 + f(x) - 10 x - 1)$$

Sequence: A282002
Score: 9.15371
Type of gen. func.: ogf

$$-\frac{(10 x^2 + 1) (100 x^2 - 10 x - 1)}{(x - 1) (10 x + 1) (10 x - 1) (x + 1)}$$

Sequence: A282003
Score: 5.13883
Type of gen. func.: ogf

$$-(242 f(x) + 1368393929)$$

$$(100 f(x) x^4 + 10 x^4 - 101 f(x) x^2 - 10 x^3 - 9 x^2 + f(x) - x - 1)$$

Sequence: A282003
Score: 8.45630
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1) (10 x^2 + 1)}{(x - 1) (10 x + 1) (10 x - 1) (x + 1)}$$

Sequence: A282004
Score: 11.2836
Type of gen. func.: ogf

$$-\frac{(4 x^2 - 2 x - 1) (2 x^2 + 1)}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A282004
Score: 6.92187

Type of gen. func.: ogf

$$-(2304 f(x) + 4805) (4 f(x) x^4 + 8 x^4 - 5 f(x) x^2 - 4 x^3 + 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A282005
Score: 10.8689
Type of gen. func.: ogf

$$-\frac{(2 x^2 + 1) (x^2 - x - 1)}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A282005
Score: 6.83992
Type of gen. func.: ogf

$$-(18 f(x) + 145) (4 f(x) x^4 + 2 x^4 - 5 f(x) x^2 - 2 x^3 - x^2 + f(x) - x - 1)$$

Sequence: A282022
Score: 11.8531
Type of gen. func.: ogf

$$(28 f(x) - 19) (12 f(x) x^2 - f(x) + 3 x + 1)$$

Sequence: A282022
Score: 12.2017
Type of gen. func.: lgdogf

$$-\frac{-36 x^2 - 24 x - 3}{-36 x^3 - 12 x^2 + 3 x + 1}$$

Sequence: A282022
Score: 12.7649
Type of gen. func.: ogf

$$\{-a(n + 2) + 12 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A282022
Score: 19.7552
Type of gen. func.: ogf

$$-\frac{3 x + 1}{12 x^{2} - 1}$$

Sequence: A282023
Score: 11.4117
Type of gen. func.: ogf

$$-(21 f(x) - 5) (12 f(x) x^{2} - f(x) + 4 x + 1)$$

Sequence: A282023
Score: 12.2507
Type of gen. func.: lgdogf

$$-\frac{48 x^{2} + 24 x + 4}{48 x^{3} + 12 x^{2} - 4 x - 1}$$

Sequence: A282023
Score: 12.8162
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n), a(0) = 1, a(1) = 4\}$$

Sequence: A282023
Score: 19.8345
Type of gen. func.: ogf

$$-\frac{4 x + 1}{12 x^{2} - 1}$$

Sequence: A282032
Score: 10.3728
Type of gen. func.: ogf

$$\frac{50 x^{11} + 25 x^{10} + 20 x^{9} + 4 x^{5} + 1}{(x - 1)^{2}}$$

Sequence: A282033
Score: 9.35037
Type of gen. func.: ogf

$$\frac{75 x^{11} + 20 x^{8} - 5 x^{7} + 5 x^{6} + 4 x^{5} + 1}{(x - 1)^{2}}$$

Sequence: A282034
Score: 7.03918
Type of gen. func.: ogf

$$\frac{20 x^{15} + 70 x^{14} + 54 x^{11} + 4 x^{10} - 50 x^{9} - 45 x^{6} + 45 x^{4} + x + 1}{(x + 1) (x - 1)^{2}}$$

Sequence: A282051
Score: 6.08411
Type of gen. func.: ogf

$$- \frac{(2 x - 1) (4 x^{3} - 5 x^{2} - 2 x - 2)}{(x - 1) (8 x^{4} - 16 x^{3} + 4 x^{2} - 7 x + 1)}$$

Sequence: A282077
Score: 4.41094
Type of gen. func.: ogf

$$\frac{x (x^{4} + 10 x^{2} + 5)}{(x + 1)^{5} (x - 1)^{10}}$$

Sequence: A282077
Score: 7.92169
Type of gen. func.: lgdogf

$$-\frac{11 x^5 + 5 x^4 + 134 x^3 + 50 x^2 + 95 x + 25}{x^6 + 9 x^4 - 5 x^2 - 5}$$

Sequence: A282078
Score: 7.73515
Type of gen. func.: lgdogf

$$-\frac{-12 x^5 - 6 x^4 - 144 x^3 - 60 x^2 - 100 x - 30}{-x^6 - 9 x^4 + 5 x^2 + 5}$$

Sequence: A282079
Score: 7.64099
Type of gen. func.: ogf

$$-\frac{x^4 - 2 x^3 + 4 x^2 - 2 x + 1}{(x^2 + 1)^2 (x - 1)^3}$$

Sequence: A282080
Score: 4.97801
Type of gen. func.: ogf

$$-\frac{(x^2 - x + 1) (x^4 - 2 x^3 + 6 x^2 - 2 x + 1)}{(x^2 + 1)^3 (x - 1)^5}$$

Sequence: A282081
Score: 4.62146
Type of gen. func.: ogf

$$(x^2 - x + 1) (x^4 - 2 x^3 + 6 x^2 - 2 x + 1)$$

$$(x^2 + 1)^3 (x - 1)^6$$

Sequence: A282087
Score: 11.2731
Type of gen. func.: ogf

$$-\frac{(x + 1) (2 x - 1)}{(2 x^2 + 2 x - 1) (x^2 + 2 x - 1)}$$

Sequence: A282087
Score: 5.80482
Type of gen. func.: ogf

$$-(11 f(x) - 2)$$

$$(2 f(x) x^4 + 6 f(x) x^3 + f(x) x^2 - 4 f(x) x + 2 x^2 + f(x) + x - 1)$$

Sequence: A282087
Score: 6.76388
Type of gen. func.: lgdogf

$$-\frac{8 x^5 + 18 x^4 + 4 x^3 - 9 x^2 - 6 x + 3}{4 x^6 + 14 x^5 + 6 x^4 - 13 x^3 - 3 x^2 + 5 x - 1}$$

Sequence: A282088
Score: 7.61105
Type of gen. func.: lgdogf

$$-\frac{-200 x^5 + 2 x}{-10000 x^8 + 20100 x^6 - 10300 x^4 + 201 x^2 - 1}$$

Sequence: A282088
Score: 8.06956
Type of gen. func.: ogf

$$-100 f(x) x^4 + 100 x^4 + 101 f(x) x^2 - 100 x^2 - f(x) + 1$$

Sequence: A282088
Score: 9.70684
Type of gen. func.: ogf

$$\frac{100 x^4 - 100 x^2 + 1}{(x - 1) (10 x + 1) (10 x - 1) (x + 1)}$$

Sequence: A282103
Score: 5.70981
Type of gen. func.: ogf

$$-\frac{1000 x^7 - 1000 x^6 - 1100 x^4 - 99 x^3 - 111 x^2 - x - 1}{(10 x - 1) (10 x + 1) (x - 1) (x^2 + x + 1) (100 x^2 + 1)}$$

Sequence: A282104
Score: 5.65860
Type of gen. func.: ogf

$$-\frac{10000 x^7 - 1000 x^6 - 110 x^4 + 990 x^3 - 111 x^2 - 10 x - 1}{(x - 1) (10 x - 1) (x + 1) (x^2 + 1) (100 x^2 + 10 x + 1)}$$

Sequence: A282105
Score: 7.89905
Type of gen. func.: ogf

$$-\frac{8 x^7 - 8 x^6 - 12 x^4 - 3 x^3 - 7 x^2 - x - 1}{(2 x - 1) (2 x + 1) (x - 1) (x^2 + x + 1) (4 x^2 + 1)}$$

Sequence: A282106
Score: 8.06026
Type of gen. func.: ogf

$$-\frac{16x^7-8x^6-6x^4+6x^3-7x^2-2x-1}{(x-1)(2x-1)(x+1)(x^2+1)(4x^2+2x+1)}$$

Sequence: A282113
Score: 7.69047
Type of gen. func.: ogf

$$-\frac{56x^8-8x^7-8x^6-8x^5-8x^4-8x^3-8x^2-8x-65}{(x+1)(x^4+1)(x^2+1)(x-1)^2}$$

Sequence: A282114
Score: 7.04727
Type of gen. func.: ogf

$$-\frac{72x^9-9x^8-9x^7-9x^6-9x^5-9x^4-9x^3-9x^2-9x-82}{(x^2+x+1)(x^6+x^3+1)(x-1)^2}$$

Sequence: A282115
Score: 6.09723
Type of gen. func.: ogf

$$-(90x^{10}-10x^9-10x^8-10x^7-10x^6-10x^5-10x^4-10x^3-10x^2-10x-101) / ((x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x-1)^2)$$

Sequence: A282121
Score: 11.2581
Type of gen. func.: ogf

$$\frac{9x^2+11x+1}{(x-1)(10x+1)(10x-1)(x+1)}$$

Sequence: A282121
Score: 6.06961
Type of gen. func.: ogf

$$-(96889938 f(x) - 5948879) (100 f(x) x^4 - 101 f(x) x^2 - 9 x^2 + f(x) - 11 x - 1)$$

Sequence: A282122
Score: 10.6515
Type of gen. func.: ogf

$$-\frac{90 x^2 - 11 x - 1}{(x - 1) (10 x + 1) (10 x - 1) (x + 1)}$$

Sequence: A282122
Score: 6.04544
Type of gen. func.: ogf

$$(3236379 f(x) - 1348295) (100 f(x) x^4 - 101 f(x) x^2 + 90 x^2 + f(x) - 11 x - 1)$$

Sequence: A282123
Score: 13.6180
Type of gen. func.: ogf

$$\frac{x^2 + 3 x + 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A282123
Score: 7.53616
Type of gen. func.: ogf

$$-(2498 f(x) - 1535) (4 f(x) x^4 - 5 f(x) x^2 - x^2 + f(x) - 3 x - 1)$$

Sequence: A282124
Score: 14.1054
Type of gen. func.: ogf

$$-\frac{2 x^2 - 3 x - 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A282124
Score: 8.0401
Type of gen. func.: ogf

$$-(43 f(x) + 101) (4 f(x) x^4 - 5 f(x) x^2 + 2 x^2 + f(x) - 3 x - 1)$$

Sequence: A282125
Score: 4.27051
Type of gen. func.: ogf

$$-\frac{2 x^2 (12 x^2 - 2 x - 5) (4 x^2 - 2 x + 3)}{(8 x^4 - 16 x^3 + 4 x^2 - 7 x + 1)^2}$$

Sequence: A282132
Score: 3.35983
Type of gen. func.: ogf

$$\{(n^3 + 10 n^2 + 33 n + 36) a(n + 1) + (-n^2 - 7 n - 12) a(n + 2)$$

$$+ (n + 5) a(n + 3) - a(n + 4), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 6\}$$

Sequence: A282137
Score: 10.5120
Type of gen. func.: ogf

$$\frac{(12 x + 1) (2 x - 1)}{(x - 1) (16 x^2 + 1)}$$

Sequence: A282137
Score: 5.60067
Type of gen. func.: ogf

$$(12057 f(x) + 2543)$$

$$(16 f(x) x^3 - 16 f(x) x^2 + f(x) x - 24 x^2 - f(x) + 10 x + 1)$$

Sequence: A282137
Score: 5.89035
Type of gen. func.: ogf

$\{-a(n + 3) + a(n + 2) - 16 a(n + 1) + 16 a(n), a(0) = 1, a(1) = 11, a(2) = -29\}$

Sequence: A282142
Score: 7.16782
Type of gen. func.: lgdogf

$$- \frac{20000 x^5 - 200 x}{10000 x^8 - 10200 x^6 + 301 x^4 - 102 x^2 + 1}$$

Sequence: A282142
Score: 7.96424
Type of gen. func.: ogf

$$-100 f(x) x^4 + 100 x^4 + 101 f(x) x^2 - x^2 - f(x) + 1$$

Sequence: A282142
Score: 9.62842
Type of gen. func.: ogf

$$\frac{100 x^4 - x^2 + 1}{(x - 1) (10 x + 1) (10 x - 1) (x + 1)}$$

Sequence: A282153
Score: 10.7723
Type of gen. func.: ogf

$$\frac{x (3 x^2 - 2 x + 1)}{(2 x - 1) (x - 1) (x^2 - x + 1)}$$

Sequence: A282153
Score: 5.6574
Type of gen. func.: ogf

$$-(42 f(x) + 25)$$

$$(2 f(x) x^{4} - 5 f(x) x^{3} + 6 f(x) x^{2} - 3 x^{3} - 4 f(x) x + 2 x^{2} + f(x) - x)$$

Sequence: A282185
Score: 4.18968
Type of gen. func.: ogf

$$\frac{x^{2} (18 x^{6} + 48 x^{5} + 80 x^{4} + 58 x^{3} + 24 x^{2} - 8 x + 1)}{(6 x^{3} + 8 x^{2} + 8 x - 1)^{2}}$$

Sequence: A282232
Score: 6.00731
Type of gen. func.: ogf

$$-\frac{x (7 x^{5} + 1687 x^{4} + 17122 x^{3} + 29162 x^{2} + 9887 x + 455)}{(x - 1)^{7}}$$

Sequence: A282284
Score: 8.18432
Type of gen. func.: ogf

$$\frac{2 x^{6} - 4 x^{5} - 41 x^{4} - 28 x^{3} - 32 x^{2} - 4 x - 1}{(x - 1)^{3} (x + 1)^{3}}$$

Sequence: A282285
Score: 7.91080
Type of gen. func.: ogf

$$\frac{2 x^{6} - 12 x^{5} - 105 x^{4} - 76 x^{3} - 96 x^{2} - 12 x - 1}{\qquad^{3} \qquad\quad^{3}}$$

$$(x - 1) (x + 1)$$

Sequence: A282286
Score: 7.85155
Type of gen. func.: ogf

$$\frac{2 x^{6} - 24 x^{5} - 201 x^{4} - 148 x^{3} - 192 x^{2} - 24 x - 1}{(x - 1)^{3} (x + 1)^{3}}$$

Sequence: A282288
Score: 17.4203
Type of gen. func.: lgdogf

$$- \frac{-304 x^{15} - 19}{x^{16} + x + 1}$$

Sequence: A282310
Score: 10.3317
Type of gen. func.: ogf

$$- \frac{3 x^{2} + 4 x + 4}{3 x^{3} + 3 x^{2} + 3 x - 1}$$

Sequence: A282310
Score: 5.38662
Type of gen. func.: ogf

$$-(61 f(x) + 21) (3 f(x) x^{3} + 3 f(x) x^{2} + 3 f(x) x + 3 x^{2} - f(x) + 4 x + 4)$$

Sequence: A282310
Score: 5.52836
Type of gen. func.: ogf

$\{-a(n + 3) + 3 a(n + 2) + 3 a(n + 1) + 3 a(n), a(0) = 4, a(1) = 16, a(2) = 63\}$

Sequence: A282327
Score: 8.16918
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{9x^4+32x^3+54x^2+32x+9}{x^6-3x^4+3x^2-1}$$

Sequence: A282350
Score: 18.2693
Type of gen. func.: lgdogf

$$-\frac{-180x^{11}-15}{x^{12}+x+1}$$

Sequence: A282371
Score: 8.51894
Type of gen. func.: ogf

$$\frac{x^2}{(3x^3+3x^2+3x-1)^2}$$

Sequence: A282371
Score: 9.29339
Type of gen. func.: lgdogf

$$-\frac{-18x^2-12x-6}{-3x^3-3x^2-3x+1}$$

Sequence: A282393
Score: 6.67076
Type of gen. func.: ogf

$$-\frac{4x^5+4x^4+2x^3-5x^2-4x-4}{}$$

$$4 x^6 + 2 x^4 - 7 x^3 - x^2 - 3 x + 1$$

Sequence: A282394
Score: 3.61984
Type of gen. func.: ogf

$$-\frac{4 x^8 - 58 x^7 - 37 x^6 - 36 x^5 - 54 x^4 - 25 x^3 - x^2 + 17 x + 8}{4 x^9 - 62 x^8 + 25 x^7 - 61 x^6 + 7 x^5 - 29 x^4 + 21 x^3 + 5 x^2 + 5 x - 1}$$

Sequence: A282411
Score: 4.47146
Type of gen. func.: ogf

$$(29577777482000 f(x) - 133771533140631)$$

$$(100 f(x) x^4 - 100 x^5 - 101 f(x) x^2 + 101 x^3 - 10 x^2 + f(x) - x - 1)$$

Sequence: A282411
Score: 7.90685
Type of gen. func.: ogf

$$\frac{100 x^5 - 101 x^3 + 10 x^2 + x + 1}{(x - 1) (10 x + 1) (10 x - 1) (x + 1)}$$

Sequence: A282412
Score: 7.66612
Type of gen. func.: ogf

$$\frac{1000 x^5 - 1010 x^3 + 10 x^2 + 10 x + 1}{(x - 1) (10 x + 1) (10 x - 1) (x + 1)}$$

Sequence: A282413
Score: 5.88683
Type of gen. func.: ogf

$$-(22032 f(x) - 6323)$$

$$(4 f(x) x^4 - 4 x^5 - 5 f(x) x^2 + 5 x^3 - 2 x^2 + f(x) - x - 1)$$

Sequence: A282413
Score: 9.67699
Type of gen. func.: ogf

$$\frac{4 x^5 - 5 x^3 + 2 x^2 + x + 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A282414
Score: 9.54622
Type of gen. func.: ogf

$$\frac{8 x^5 - 10 x^3 + 2 x^2 + 2 x + 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A282415
Score: 8.70560
Type of gen. func.: ogf

$$\frac{10 x^3 + 100 x^2 - 10 x - 1}{(x - 1) (10 x + 1) (10 x - 1) (x + 1) (10 x^2 - 1)}$$

Sequence: A282416
Score: 8.91537
Type of gen. func.: ogf

$$\frac{100 x^3 + x^2 - x - 1}{(x - 1) (10 x + 1) (10 x - 1) (x + 1) (10 x^2 - 1)}$$

Sequence: A282417
Score: 10.6864
Type of gen. func.: ogf

3   2

$$\frac{2 x + 4 x - 2 x - 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1) (2 x^{2} - 1)}$$

Sequence: A282418
Score: 10.6864
Type of gen. func.: ogf

$$\frac{4 x^{3} + x^{2} - x - 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1) (2 x^{2} - 1)}$$

Sequence: A282435
Score: 5.80499
Type of gen. func.: ogf

$$\frac{2 x^{2}}{(4 x^{6} + 2 x^{4} - 7 x^{3} - x^{2} - 3 x + 1)}$$

Sequence: A282435
Score: 6.86044
Type of gen. func.: lgdogf

$$- \frac{48 x^{5} + 16 x^{3} - 42 x^{2} - 4 x - 6}{4 x^{6} + 2 x^{4} - 7 x^{3} - x^{2} - 3 x + 1}$$

Sequence: A282451
Score: 5.38749
Type of gen. func.: ogf

$$-(22000 f(x) + 12146430399)$$

$$(100 f(x) x^{4} - 101 f(x) x^{2} + x^{3} - 10 x^{2} + f(x) - x - 1)$$

Sequence: A282451
Score: 9.54354
Type of gen. func.: ogf

$$-\frac{x^3 - 10 x^2 - x - 1}{(x - 1) (10 x + 1) (10 x - 1) (x + 1)}$$

Sequence: A282452
Score: 5.61395
Type of gen. func.: ogf

-(22000000 f(x) - 9596535879)

$$(100 f(x) x^4 - 101 f(x) x^2 + 1000 x^3 - 10 x^2 + f(x) - 10 x - 1)$$

Sequence: A282452
Score: 9.86235
Type of gen. func.: ogf

$$-\frac{1000 x^3 - 10 x^2 - 10 x - 1}{(x - 1) (10 x + 1) (10 x - 1) (x + 1)}$$

Sequence: A282453
Score: 12.1524
Type of gen. func.: ogf

$$-\frac{x^3 - 2 x^2 - x - 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A282453
Score: 7.24683
Type of gen. func.: ogf

$$-(48 f(x) + 3391) (4 f(x) x^4 - 5 f(x) x^2 + x^3 - 2 x^2 + f(x) - x - 1)$$

Sequence: A282454
Score: 12.0180
Type of gen. func.: ogf

3 2

$$-\frac{8 x - 2 x - 2 x - 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A282454
Score: 7.43974
Type of gen. func.: ogf

$$(384 f(x) + 457) (4 f(x) x^4 - 5 f(x) x^2 + 8 x^3 - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A282464
Score: 6.79317
Type of gen. func.: ogf

$$-\frac{x (x^4 - 2 x^3 + 4 x^2 - 2 x + 1)}{(x - 1) (x + 1)^2 (x^2 - 3 x + 1)^2}$$

Sequence: A282465
Score: 10.1461
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 46\}$$

Sequence: A282465
Score: 12.2047
Type of gen. func.: lgdogf

$$-\frac{-45 x^2 - 2 x - 46}{-45 x^3 - 46 x^2 + 44 x + 1}$$

Sequence: A282465
Score: 18.3071
Type of gen. func.: ogf

$$-\frac{45 x + 1}{x^2 + x - 1}$$

Sequence: A282465
Score: 9.4621
Type of gen. func.: ogf

$$(12 f(x) + 517) (f(x) x^2 + f(x) x - f(x) + 45 x + 1)$$

Sequence: A282466
Score: 15.1976
Type of gen. func.: lgdegf]

$$- \frac{-4 x + 6}{-4 x^2 + 9 x - 5}$$

Sequence: A282466
Score: 16.2108
Type of gen. func.: egf]

$$- \frac{4 x - 5}{(x - 1)^2}$$

Sequence: A282466
Score: 4.21668
Type of gen. func.: ogf

$$\{(-16 n^2 - 64 n - 64) a(n + 1) + (-5 n^2 - 19 n - 24) a(n + 2)$$

$$+ (5 n + 15) a(n + 3), a(0) = 5, a(1) = 6, a(2) = 14\}$$

Sequence: A282466
Score: 8.4824
Type of gen. func.: egf]

$$(f(x) + 13) (f(x) x^2 - 2 f(x) x + f(x) + 4 x - 5)$$

Sequence: A282473

Score: 7.25136
Type of gen. func.: ogf

$$9 (x^{11} + x^{10} + 11 x^9 + 11 x^8 + 11 x^7 + 11 x^6 + 11 x^5 + 11 x^4 + 11 x^3 + 11 x^2 + 11 x + 10) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A282484
Score: 7.05717
Type of gen. func.: ogf

$$\frac{8 x^{10} - 5 x^6 - x^5 + 2 x^4 + 12 x^3 + 5 x^2 + 3 x + 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1) (4 x^2 + 1)}$$

Sequence: A282485
Score: 7.17979
Type of gen. func.: ogf

$$\frac{128 x^{10} + 88 x^6 - 32 x^5 - 10 x^4 + 3 x^3 - x^2 + 3 x + 1}{(x^2 + 1) (x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A282502
Score: 5.36160
Type of gen. func.: ogf

$$- (x^{21} + x^{18} + x^{15} - x^9 - x^6 - x^3 - 1) / (x^{25} + x^{22} - x^{21} - x^{18} - x^{15} - 2 x^{13} - 3 x^{10} + x^9 - 2 x^7 + x^6 - 2 x^4 + x^3 - x + 1)$$

Sequence: A282504
Score: 5.78746
Type of gen. func.: ogf

$$(x^{28} + x^{24} - 2 x^{16} - x^{12} - x^8 + 1) / ($$

$$/$$

$$x^{28} - x^{25} + x^{24} + 3\,x^{21} + 3\,x^{17} - 2\,x^{16} + x^{13} - x^{12} + x^{9} - x^{8} - x^{5} - x + 1)$$

Sequence: A282513
Score: 8.98011
Type of gen. func.: ogf

$$-\frac{x\,(x^{3} + x + 1)}{(x^{2} + 1)\,(x + 1)\,(x - 1)^{3}}$$

Sequence: A282522
Score: 4.45527
Type of gen. func.: ogf

$$-(117397\,f(x) + 260572)$$

$$(8\,f(x)\,x^{4} - 2\,f(x)\,x^{3} - f(x)\,x^{2} + 8\,x^{3} - 3\,f(x)\,x + 6\,x^{2} + f(x) - 3\,x - 4)$$

Sequence: A282522
Score: 8.73696
Type of gen. func.: ogf

$$-\frac{8\,x^{3} + 6\,x^{2} - 3\,x - 4}{8\,x^{4} - 2\,x^{3} - x^{2} - 3\,x + 1}$$

Sequence: A282523
Score: 4.50059
Type of gen. func.: ogf

$$-\frac{6\,x^{7} + 4\,x^{6} - 2\,x^{5} + 13\,x^{4} - 11\,x^{3} - 25\,x^{2} + 3\,x + 8}{6\,x^{8} - 2\,x^{7} + 13\,x^{5} - 24\,x^{4} - x^{3} + 2\,x^{2} + 5\,x - 1}$$

Sequence: A282554
Score: 5.26022
Type of gen. func.: ogf

$$\frac{2 x^{2} (2 x - 1) (2 x - 5)}{(8 x^{4} - 2 x^{3} - x^{2} - 3 x + 1)^{2}}$$

Sequence: A282563
Score: 13.6401
Type of gen. func.: ogf

$$- \frac{5 x - 1}{(9 x - 1) (4 x - 1)}$$

Sequence: A282563
Score: 6.74828
Type of gen. func.: ogf

$$-(145 f(x) + 111) (36 f(x) x^{2} - 13 f(x) x + f(x) + 5 x - 1)$$

Sequence: A282563
Score: 7.63198
Type of gen. func.: ogf

$$\{a(n + 2) - 13 a(n + 1) + 36 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A282563
Score: 8.90397
Type of gen. func.: lgdogf

$$- \frac{-180 x^{2} + 72 x - 8}{-180 x^{3} + 101 x^{2} - 18 x + 1}$$

Sequence: A282577
Score: 10.8868
Type of gen. func.: lgdogf

$$- \frac{4 x^{3} + 2 x}{}$$

$$8 x^6 - 14 x^4 + 7 x^2 - 1$$

Sequence: A282577
Score: 11.6007
Type of gen. func.: ogf

$$\frac{(2 x^2 - 1)^2}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A282577
Score: 9.43525
Type of gen. func.: ogf

$$-4 f(x) x^4 + 4 x^4 + 5 f(x) x^2 - 4 x^2 - f(x) + 1$$

Sequence: A282579
Score: 12.2085
Type of gen. func.: ogf

$$\frac{4 x^4 - x^2 + 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A282579
Score: 9.79892
Type of gen. func.: lgdogf

$$- \frac{32 x^5 - 8 x}{16 x^8 - 24 x^6 + 13 x^4 - 6 x^2 + 1}$$

Sequence: A282579
Score: 9.92957
Type of gen. func.: ogf

$$-4 f(x) x^4 + 4 x^4 + 5 f(x) x^2 - x^2 - f(x) + 1$$

Sequence: A282608
Score: 6.02981
Type of gen. func.: ogf

$$\frac{16 x^{13} - 18 x^{9} + 6 x^{8} - 4 x^{7} - 8 x^{6} + 26 x^{5} + 4 x^{4} + 4 x^{3} + 6 x^{2} + 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1) (4 x^{2} + 1)}$$

Sequence: A282609
Score: 6.06815
Type of gen. func.: ogf

$$\frac{512 x^{13} - 288 x^{9} - 96 x^{8} - 32 x^{7} - 8 x^{6} + 22 x^{5} - 2 x^{4} + 2 x^{3} + 3 x^{2} + 1}{(x^{2} + 1) (x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A282610
Score: 6.39452
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{4 x^{8} + 3 x^{7} + 3 x^{6} + 5 x^{5} + 3 x^{4} + 3 x^{3} + 5 x^{2} + 3 x + 3}{-x^{9} + 1}$$

Sequence: A282611
Score: 5.73557
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{4 x^{7} + 3 x^{6} + 2 x^{5} + 3 x^{4} + 2 x^{3} + x^{2} + 2 x + 1}{-x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 1}$$

Sequence: A282612
Score: 3.87246
Type of gen. func.: ogf

$$x (56 x^{7} + 2365 x^{6} + 14934 x^{5} + 26015 x^{4} + 14500 x^{3} + 2499 x^{2} + 110 x + 1) \Big/$$

$$(x - 1)^{10}$$

Sequence: A282613
Score: 3.50202
Type of gen. func.: ogf

$$x (x^8 + 130 x^7 + 3640 x^6 + 22054 x^5 + 39070 x^4 + 22054 x^3 + 3640 x^2 + 130 x + 1) / (x - 1)^{10}$$

Sequence: A282614
Score: 3.64352
Type of gen. func.: ogf

$$x (104 x^7 + 3577 x^6 + 22254 x^5 + 39095 x^4 + 21820 x^3 + 3711 x^2 + 158 x + 1) / (x - 1)^{10}$$

Sequence: A282621
Score: 6.28703
Type of gen. func.: ogf

$$- \frac{8 (202 x^3 - 61 x^2 - 7 x + 1)}{(22 x - 1) (5 x - 1) (2 x - 1) (4 x - 1) (14 x - 1)}$$

Sequence: A282626
Score: 15.093
Type of gen. func.: egf]

$$1 + 3 f(x) x - f(x)^3$$

Sequence: A282626
Score: 3.25700
Type of gen. func.: egf]

$\{(4 n^2 + 10 n + 4) a(n + 1) + (-n^2 - 7 n - 12) a(n + 4), a(0) = 1, a(1) = 1,$
$a(2) = 0, a(3) = -1/3\}$

Sequence: A282627
Score: 11.5326
Type of gen. func.: egf]

$$1 - 9 f(x) x^2 + 6 f(x)^2 x - f(x)^3$$

Sequence: A282641
Score: 10.5755
Type of gen. func.: ogf

$$- \frac{4 x^2 + 7 x + 4}{4 x^3 + 3 x^2 + x - 1}$$

Sequence: A282641
Score: 5.42103
Type of gen. func.: ogf

$$(37635 f(x) - 89764) (4 f(x) x^3 + 3 f(x) x^2 + f(x) x + 4 x^2 - f(x) + 7 x + 4)$$

Sequence: A282641
Score: 5.65881
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 3 a(n + 1) + 4 a(n), a(0) = 4, a(1) = 11, a(2) = 27\}$$

Sequence: A282642
Score: 6.30172
Type of gen. func.: ogf

$$- \frac{2 x^5 + 3 x^3 - 3 x^2 - 13 x - 7}{2 x^6 - 2 x^5 + 5 x^4 - 8 x^3 - 6 x^2 - 2 x + 1}$$

Sequence: A282643
Score: 3.53881
Type of gen. func.: ogf

$$-\frac{7x^8 - 16x^7 - 58x^6 - 86x^5 - 52x^4 + 11x^3 + 53x^2 + 50x + 13}{7x^9 - 23x^8 - 35x^7 - 51x^6 - 2x^5 + 16x^4 + 45x^3 + 16x^2 + 2x - 1}$$

Sequence: A282654
Score: 7.24683
Type of gen. func.: ogf

$$\frac{16x^{11} + 4x^7 - 4x^5 + 8x^4 + 3x^3 + 6x^2 + x + 1}{(x - 1)(2x + 1)(2x - 1)(x + 1)(4x^2 + 1)}$$

Sequence: A282655
Score: 7.11742
Type of gen. func.: ogf

$$\frac{128x^{11} + 32x^7 - 8x^5 + 2x^4 - 6x^3 + 3x^2 + 2x + 1}{(x^2 + 1)(x - 1)(2x + 1)(2x - 1)(x + 1)}$$

Sequence: A282702
Score: 10.2776
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) + a(n), a(0) = 4, a(1) = 11\}$$

Sequence: A282702
Score: 12.9249
Type of gen. func.: lgdogf

$$-\frac{-x^2 + 8x + 11}{-x^3 + x^2 + 13x - 4}$$

Sequence: A282702
Score: 18.9565
Type of gen. func.: ogf

$$\frac{x - 4}{x^2 + 3 x - 1}$$

Sequence: A282702
Score: 9.37411
Type of gen. func.: ogf

$$-(41 f(x) - 43) (f(x) x^2 + 3 f(x) x - f(x) - x + 4)$$

Sequence: A282703
Score: 12.1171
Type of gen. func.: lgdogf

$$- \frac{-5 x^2 - 14 x - 26}{-5 x^3 - 22 x^2 - 16 x + 7}$$

Sequence: A282703
Score: 18.3102
Type of gen. func.: ogf

$$- \frac{5 x + 7}{x^2 + 3 x - 1}$$

Sequence: A282703
Score: 9.58092
Type of gen. func.: ogf

$$(23 f(x) + 8) (f(x) x^2 + 3 f(x) x - f(x) + 5 x + 7)$$

Sequence: A282703

Score: 9.92723
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) - a(n), a(0) = 7, a(1) = 26\}$$

Sequence: A282711
Score: 8.20762
Type of gen. func.: ogf

$$-\frac{x^{17} + x^{15} + x^{13} + x^{11} - x^{8} - x^{6} - x^{4} - x^{2} - 1}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A282718
Score: 4.67210
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 3) + a(n + 2) + a(n + 1), a(0) = 0, a(1) = 1, a(2) = 3,$$
$$a(3) = 4, a(4) = 7, a(5) = 13\}$$

Sequence: A282718
Score: 9.98421
Type of gen. func.: ogf

$$\frac{x (x^{4} + x^{3} - 2 x - 1)}{x^{3} + x^{2} + x - 1}$$

Sequence: A282732
Score: 10.4362
Type of gen. func.: ogf

$$-\frac{2 x^{4} - 2 x^{3} + x^{2} + 1}{2 x^{5} - 2 x^{4} + x^{3} - x^{2} + 3 x - 1}$$

Sequence: A282737
Score: 10.5482
Type of gen. func.: ogf

$$\frac{x^6 - x^4 + x^3 - x - 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A282738
Score: 12.9739
Type of gen. func.: ogf

$$-\frac{x^5 + x^2 - 2 x - 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A282768
Score: 3.26559
Type of gen. func.: ogf

$$-(f(x) x^2 - 2 f(x) x + f(x) - 55)^2$$

Sequence: A282779
Score: 5.83446
Type of gen. func.: ogf

$$(x^{16} + 2 x^{15} + 3 x^{14} + 4 x^{13} + 5 x^{12} + 6 x^{11} + 7 x^{10} + 8 x^9 + 3 x^8 + 8 x^7 + 7 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1) / ((x - 1)^2 (x^2 + x + 1)^2 (x^6 + x^3 + 1)^2)$$

Sequence: A282785
Score: 10.3370
Type of gen. func.: lgdogf

$$-\frac{-24 x^2 - 12 x - 2}{-4 x^3 - 3 x^2 - x + 1}$$

Sequence: A282785
Score: 3.46314
Type of gen. func.: ogf

$$\{(-4 n - 20) a(n + 1) + (-3 n - 12) a(n + 2) + (-3 - n) a(n + 3)$$

$$+ (n + 2) a(n + 4), a(0) = 0, a(1) = 0, a(2) = 8, a(3) = 16\}$$

Sequence: A282785
Score: 9.47554
Type of gen. func.: ogf

$$\frac{8 x^2}{(4 x^3 + 3 x^2 + x - 1)^2}$$

Sequence: A282796
Score: 5.03828
Type of gen. func.: ogf

$$-(1599989156151 f(x) - 7005602621495)$$

$$(100 f(x) x^4 - 101 f(x) x^2 - 100 x^3 - 10 x^2 + f(x) - 1)$$

Sequence: A282796
Score: 9.78018
Type of gen. func.: ogf

$$\frac{100 x^3 + 10 x^2 + 1}{(x - 1) (10 x + 1) (10 x - 1) (x + 1)}$$

Sequence: A282797
Score: 10.6785
Type of gen. func.: ogf

$$\frac{10 x^3 + 10 x^2 + 1}{(x - 1) (10 x + 1) (10 x - 1) (x + 1)}$$

Sequence: A282797
Score: 5.58955
Type of gen. func.: ogf

$$(32530177999020 f(x) + 2443135223759)$$

$$(100 f(x) x^4 - 101 f(x) x^2 - 10 x^3 - 10 x^2 + f(x) - 1)$$

Sequence: A282798
Score: 12.8914
Type of gen. func.: ogf

$$\frac{4 x^3 + 2 x^2 + 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A282798
Score: 7.21448
Type of gen. func.: ogf

$$-(32719 f(x) + 23333) (4 f(x) x^4 - 5 f(x) x^2 - 4 x^3 - 2 x^2 + f(x) - 1)$$

Sequence: A282799
Score: 12.7180
Type of gen. func.: ogf

$$\frac{2 x^3 + 2 x^2 + 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A282799
Score: 7.25046
Type of gen. func.: ogf

$$-(6268 f(x) + 5831) (4 f(x) x^4 - 5 f(x) x^2 - 2 x^3 - 2 x^2 + f(x) - 1)$$

Sequence: A282800
Score: 8.35060
Type of gen. func.: ogf

$$\frac{(2x+1)(50x^4-25x^3+12x^2-x+1)}{(x-1)(10x+1)(10x-1)(x+1)}$$

Sequence: A282801
Score: 8.48884
Type of gen. func.: ogf

$$\frac{1000x^5-1000x^3+10x^2+10x+1}{(x-1)(10x+1)(10x-1)(x+1)}$$

Sequence: A282802
Score: 10.8206
Type of gen. func.: ogf

$$\frac{4x^5-x^3+2x^2+x+1}{(x-1)(2x+1)(2x-1)(x+1)}$$

Sequence: A282803
Score: 10.6757
Type of gen. func.: ogf

$$\frac{8x^5-8x^3+2x^2+2x+1}{(x-1)(2x+1)(2x-1)(x+1)}$$

Sequence: A282816
Score: 6.56134
Type of gen. func.: ogf

$$-\frac{x^2(x^4+4x^3+20x^2+4x+1)}{(x-1)^7}$$

Sequence: A282816
Score: 7.77169
Type of gen. func.: lgdogf

$$-\frac{-3x^4-20x^3-112x^2-64x-11}{-x^5-3x^4-16x^3+16x^2+3x+1}$$

Sequence: A282817
Score: 10.6261
Type of gen. func.: lgdogf

$$-\frac{-4x^3-8x^2+58x+24}{-x^4+11x^2-8x-2}$$

Sequence: A282817
Score: 4.23913
Type of gen. func.: ogf

$$\{(-17n^2-82n-96)a(n+1)+(57n^2+216n+159)a(n+2)$$
$$+(-40n^2+4n)a(n+3), a(0)=0, a(1)=0, a(2)=0, a(3)=6\}$$

Sequence: A282817
Score: 6.99085
Type of gen. func.: ogf

$$\frac{3x^3(x^3+x^2-10x-2)}{(x-1)^7}$$

Sequence: A282818
Score: 4.28882
Type of gen. func.: ogf

$$\{(3n^2+35n+58)a(n+1)+(-7n^2-28n+125)a(n+2)$$
$$+(4n^2-13n)a(n+3), a(0)=0, a(1)=0, a(2)=0, a(3)=2\}$$

Sequence: A282818
Score: 6.89940
Type of gen. func.: ogf

$$-\frac{2 x^3 (20 x^3 + 6 x^2 + 3 x + 1)}{(x - 1)^7}$$

Sequence: A282818
Score: 9.22594
Type of gen. func.: lgdogf

$$-\frac{80 x^3 + 90 x^2 + 30 x + 10}{20 x^4 - 14 x^3 - 3 x^2 - 2 x - 1}$$

Sequence: A282819
Score: 6.50580
Type of gen. func.: ogf

$$-\frac{2 x^2 (x^4 + 4 x^3 + 20 x^2 + 4 x + 1)}{(x - 1)^7}$$

Sequence: A282819
Score: 7.70590
Type of gen. func.: lgdogf

$$-\frac{-3 x^4 - 20 x^3 - 112 x^2 - 64 x - 11}{-x^5 - 3 x^4 - 16 x^3 + 16 x^2 + 3 x + 1}$$

Sequence: A282820
Score: 3.99348
Type of gen. func.: ogf

$$\{(163 n^2 + 848 n + 1044) a(n + 1) + (-516 n^2 - 1824 n - 432) a(n + 2)$$

$$+ (353 n^2 - 164 n) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 9\}$$

Sequence: A282820
Score: 6.84100
Type of gen. func.: ogf

$$\frac{3 x^3 (x - 3) (x^2 + 8 x + 1)}{(x - 1)^7}$$

Sequence: A282820
Score: 9.14785
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 - 28 x^2 + 128 x + 44}{-x^4 - 4 x^3 + 28 x^2 - 20 x - 3}$$

Sequence: A282822
Score: 14.5536
Type of gen. func.: lgdegf]

$$-\frac{-5 x + 3}{-5 x^2 + 9 x - 4}$$

Sequence: A282822
Score: 15.5239
Type of gen. func.: egf]

$$\frac{5 x - 4}{(x - 1)^2}$$

Sequence: A282822
Score: 4.01480
Type of gen. func.: ogf

$$\{(-25 n^2 - 100 n - 100) a(n + 1) + (4 n^2 + 53 n + 93) a(n + 2)$$
$$+ (-4 n - 12) a(n + 3), a(0) = -4, a(1) = -3, a(2) = -4\}$$

Sequence: A282822
Score: 7.76195
Type of gen. func.: egf]

$$-(2 f(x) + 17) (f(x) x^2 - 2 f(x) x + f(x) - 5 x + 4)$$

Sequence: A282831
Score: 7.60352
Type of gen. func.: ogf

$$\frac{x^3 (x^2 + x - 1)}{(x^3 + x^2 + x - 1)^3}$$

Sequence: A282831
Score: 7.91707
Type of gen. func.: lgdogf

$$-\frac{-7 x^4 - 12 x^3 + 3 x^2 + 2 x + 2}{-x^5 - 2 x^4 - x^3 + x^2 + 2 x - 1}$$

Sequence: A282832
Score: 5.32999
Type of gen. func.: ogf

$$\frac{16 x^3 (3 x^2 + x - 1)}{(4 x^3 + 3 x^2 + x - 1)^3}$$

Sequence: A282832
Score: 6.68862
Type of gen. func.: lgdogf

```
                4       3       2
          84 x  + 68 x  - 18 x  - 10 x - 2
      - -------------------------------------
              5       4      3      2
```

$$12 x + 13 x + 2 x - 5 x - 2 x + 1$$

Sequence: A282848
Score: 10.7198
Type of gen. func.: ogf

$$-\frac{x^4 + x^3 - 3 x^2 - 3 x - 4}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A282850
Score: 13.9196
Type of gen. func.: ogf

$$-\frac{x (35 x + 1)}{(x - 1)^3}$$

Sequence: A282850
Score: 15.5257
Type of gen. func.: lgdogf

$$-\frac{-70 x - 38}{-35 x^2 + 34 x + 1}$$

Sequence: A282850
Score: 6.45869
Type of gen. func.: ogf

$$-(5229360 f(x) - 62193781) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 35 x^2 - f(x) + x)$$

Sequence: A282850
Score: 7.20837
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 38\}$$

Sequence: A282851
Score: 12.8475
Type of gen. func.: ogf

$$-\frac{x (32 x + 1)}{(x - 1)^3}$$

Sequence: A282851
Score: 14.3299
Type of gen. func.: lgdogf

$$-\frac{-64 x - 35}{-32 x^2 + 31 x + 1}$$

Sequence: A282851
Score: 6.05816
Type of gen. func.: ogf

$$-(264627 f(x) - 2882741) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 32 x^2 - f(x) + x)$$

Sequence: A282851
Score: 6.65316
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 35\}$$

Sequence: A282852
Score: 12.9111
Type of gen. func.: ogf

$$-\frac{x (34 x + 1)}{(x - 1)^3}$$

Sequence: A282852
Score: 14.4008
Type of gen. func.: lgdogf

$$-\frac{-68\,x-37}{-34\,x^2+33\,x+1}$$

Sequence: A282852
Score: 5.99074
Type of gen. func.: ogf

$$-(2338525\,f(x)-27033318)\,(f(x)\,x^3-3\,f(x)\,x^2+3\,f(x)\,x+34\,x^2-f(x)+x)$$

Sequence: A282852
Score: 6.68610
Type of gen. func.: ogf

$$\{a(n+3)-3\,a(n+2)+3\,a(n+1)-a(n),\ a(0)=0,\ a(1)=1,\ a(2)=37\}$$

Sequence: A282853
Score: 12.9111
Type of gen. func.: ogf

$$-\frac{x\,(33\,x+1)}{(x-1)^3}$$

Sequence: A282853
Score: 14.4008
Type of gen. func.: lgdogf

$$-\frac{-66\,x-36}{-33\,x^2+32\,x+1}$$

Sequence: A282853
Score: 5.99074
Type of gen. func.: ogf

$$-(4169692\,f(x)-46812255)\,(f(x)\,x^3-3\,f(x)\,x^2+3\,f(x)\,x+33\,x^2-f(x)+x)$$

Sequence: A282853
Score: 6.68610
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 36\}$$

Sequence: A282854
Score: 12.7839
Type of gen. func.: ogf

$$-\frac{x (31 x + 1)}{(x - 1)^3}$$

Sequence: A282854
Score: 14.2589
Type of gen. func.: lgdogf

$$-\frac{-62 x - 34}{-31 x^2 + 30 x + 1}$$

Sequence: A282854
Score: 5.93172
Type of gen. func.: ogf

$$-(3279872 f(x) - 34636833) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 31 x^2 - f(x) + x)$$

Sequence: A282854
Score: 6.62022
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 34\}$$

Sequence: A282856
Score: 7.18183
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^3 + x^2 + 3 x + 4)}{}$$

$$x^5 + x^4 + 3 x^3 + 4 x^2 + x - 1$$

Sequence: A282871
Score: 7.84392
Type of gen. func.: ogf

$$\frac{100 x^6 + 9 x^4 + 90 x^3 - 89 x^2 - x + 1}{(10 x - 1) (10 x + 1) (x - 1)}$$

Sequence: A282876
Score: 6.65142
Type of gen. func.: ogf

$$f(x)^2 x^4 + 20 f(x) x^3 + 18 f(x) x^2 + 6 f(x) x - 28 x^2 + f(x) - 12 x - 3$$

Sequence: A282879
Score: 4.72654
Type of gen. func.: ogf

$$\frac{2 x (2 x + 1) (x^3 + x^2 + 1)}{(x^5 + x^4 + 3 x^3 + 4 x^2 + x - 1)^2}$$

Sequence: A282911
Score: 6.91094
Type of gen. func.: ogf

$$\frac{10 x^5 - 100 x^4 + 990 x^3 + 100 x^2 + 10 x + 1}{(x - 1) (10 x + 1) (10 x - 1) (100 x^2 + 1)}$$

Sequence: A282912
Score: 7.42559
Type of gen. func.: ogf

$$10000 x^5 - 100 x^4 - 99 x^3 + x^2 + x + 1$$

$$(x-1)(10x-1)(x+1)(x^2+1)$$

Sequence: A282913
Score: 8.84175
Type of gen. func.: ogf

$$\frac{2x^5-4x^4+6x^3+4x^2+2x+1}{(x-1)(2x+1)(2x-1)(4x^2+1)}$$

Sequence: A282914
Score: 8.90391
Type of gen. func.: ogf

$$\frac{16x^5-4x^4-3x^3+x^2+x+1}{(x-1)(2x-1)(x+1)(x^2+1)}$$

Sequence: A282915
Score: 6.66291
Type of gen. func.: ogf

$$-\frac{1000x^{10}-10989x^6-x^5+9890x^4-1}{(x-1)(10x+1)(10x-1)(x+1)(100x^2+1)}$$

Sequence: A282916
Score: 6.39075
Type of gen. func.: ogf

$$-\frac{10000000x^{10}+1098900x^6-100000x^5-1099x^4-1}{(x+1)(x-1)(10x+1)(10x-1)(x^2+1)}$$

Sequence: A282917
Score: 8.48100
Type of gen. func.: ogf

$$-\frac{8x^{10} - 21x^{6} - x^{5} + 10x^{4} - 1}{(x-1)(2x+1)(2x-1)(x+1)(4x^{2}+1)}$$

Sequence: A282918
Score: 8.82977
Type of gen. func.: ogf

$$-\frac{128x^{10} + 84x^{6} - 32x^{5} - 11x^{4} - 1}{(x-1)(2x+1)(2x-1)(x+1)(x^{2}+1)}$$

Sequence: A282928
Score: 17.1771
Type of gen. func.: ogf_with_Euler_transform]

$$-40x^{6} - \frac{41}{x-1}$$

Sequence: A282931
Score: 18.4158
Type of gen. func.: ogf_with_Euler_transform]

$$-52x^{6} - \frac{53}{x-1}$$

Sequence: A282932
Score: 18.5809
Type of gen. func.: ogf_with_Euler_transform]

$$-56x^{6} - \frac{57}{x-1}$$

Sequence: A282937
Score: 11.3066
Type of gen. func.: ogf_with_Euler_transform]

```
          4      3      2
```

$$-\frac{-5 x - 6 x - 6 x - 6 x - 6}{x^5 - 1}$$

Sequence: A282942
Score: 8.97620
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-7 x^6 - 8 x^5 - 8 x^4 - 8 x^3 - 8 x^2 - 8 x - 8}{x^7 - 1}$$

Sequence: A282948
Score: 3.68129
Type of gen. func.: ogf

$$\{(-4 n^2 - 25 n - 39) a(n + 1) + (8 n^2 + 48 n + 112) a(n + 2)$$

$$+ (-4 n^2 - 23 n - 33) a(n + 3), a(0) = 162401, a(1) = 2598416,$$

$$a(2) = 13154481\}$$

Sequence: A282948
Score: 6.72088
Type of gen. func.: ogf

$$-\frac{162401 (x + 1) (x^2 + 10 x + 1)}{(x - 1)^5}$$

Sequence: A282948
Score: 9.51397
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 36 x^2 + 66 x + 16}{x^4 + 10 x^3 - 10 x - 1}$$

Sequence: A282971
Score: 11.4648
Type of gen. func.: ogf

$$-(x-1)(x^2+x+1)(x+1)(x^2-x+1)(x^2+1)(x^4-x^2+1)(x^4+1)(x^8-x^4+1) / (x^{26}-x^{24}-x^{17}-x^{13}-x^5-x^2+1)$$

Sequence: A282990
Score: 5.43016
Type of gen. func.: ogf

$$-(126 f(x)+65)(f(x) x^4-3 f(x) x^2+x^3-2 f(x) x+x^2+f(x)-3 x-4)$$

Sequence: A282990
Score: 9.91596
Type of gen. func.: ogf

$$-\frac{x^3+x^2-3 x-4}{x^4-3 x^2-2 x+1}$$

Sequence: A282991
Score: 3.80080
Type of gen. func.: ogf

$$-\frac{x^8-3 x^6-11 x^5-16 x^4+7 x^3+27 x^2+19 x+7}{(x+1)(x^8-2 x^7-x^6-9 x^5+13 x^3+7 x^2+3 x-1)}$$

Sequence: A283002
Score: 4.32181
Type of gen. func.: ogf

$$-(396 x^{48}+297 x^{47}+40 x^{10}+76 x^9+68 x^8+60 x^7+52 x^6+44 x^5+36 x^4+28 x^3+20 x^2+12 x+4) / (495 x^{48}-297 x^{47}-40 x^{11}+44 x^{10}-4)$$

Sequence: A283036
Score: 7.25132
Type of gen. func.: ogf

$$-\frac{4 x (x - 1) (x + 1)}{(x^4 - 3 x^2 - 2 x + 1)^2}$$

Sequence: A283036
Score: 7.33189
Type of gen. func.: lgdogf

$$-\frac{6 x^5 - 14 x^3 + 10 x + 4}{x^6 - 4 x^4 - 2 x^3 + 4 x^2 + 2 x - 1}$$

Sequence: A283049
Score: 4.65633
Type of gen. func.: ogf

$$\{(-256 n^3 - 1920 n^2 - 4784 n - 3960) a(n + 1)$$

$$+ (27 n^3 + 216 n^2 + 519 n + 330) a(n + 2), a(0) = 0, a(1) = 4\}$$

Sequence: A283070
Score: 10.6830
Type of gen. func.: lgdogf

$$-\frac{-20 x^2 + 16 x - 5}{-20 x^3 + 33 x^2 - 15 x + 2}$$

Sequence: A283070
Score: 16.0244
Type of gen. func.: ogf

$$-\frac{2 (5 x - 2)}{(4 x - 1) (x - 1)}$$

Sequence: A283070
Score: 8.10025
Type of gen. func.: ogf

$$-(9 f(x) + 14) (4 f(x) x^2 - 5 f(x) x + f(x) + 10 x - 4)$$

Sequence: A283070
Score: 8.88101
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 4 a(n), a(0) = 4, a(1) = 10\}$$

Sequence: A283094
Score: 3.61230
Type of gen. func.: ogf

$$-\frac{2 x^2 (x^7 - x^6 - x^5 + 2 x^4 - 3 x^3 + 4 x^2 + 4 x - 3)}{(x^4 - 3 x^2 - 2 x + 1)^3}$$

Sequence: A283114
Score: 5.29104
Type of gen. func.: ogf

$$-\frac{x^3 (3 x^6 + 10 x^5 + 16 x^4 + 20 x^3 + 8 x^2 + 2 x + 1)}{(x^2 + x + 1) (x + 1)^3 (x - 1)^7}$$

Sequence: A283120
Score: 17.2523
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{8 x + 15}{x^2 - 1}$$

Sequence: A283121
Score: 15.0845
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-9x^2-13x-13}{-x^3+1}$$

Sequence: A283124
Score: 7.17624
Type of gen. func.: ogf

$$-\frac{(x+2)(x^3-x-2)}{x^5+x^4-2x^3-2x^2-3x+1}$$

Sequence: A283125
Score: 3.71327
Type of gen. func.: ogf

$$-\frac{2x^8+5x^7-12x^6-33x^5-2x^4+32x^3+37x^2+17x+8}{2x^9+3x^8-15x^7-20x^6+12x^5+18x^4+25x^3+7x^2+5x-1}$$

Sequence: A283149
Score: 4.98137
Type of gen. func.: ogf

$$-(6x^{95}+3x^{94}+4x^{93}+8x^{92}+4x^{91}+4x^{90}+3x^8-x^7-x^6+2x^5-x^4-x^3-4x^2-2x-1)\Big/(x^{96}+x^{95}+x^{94}-4x^{90}-3x^3+x^2+x+1)$$

Sequence: A283163
Score: 16.4096
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4x-7}{x^2-1}$$

Sequence: A283164
Score: 10.2200
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-6x^5-12x^4-8x^3-9x^2-8x-12}{x^6-1}$$

Sequence: A283168
Score: 17.6683
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-8x-15}{x^2-1}$$

Sequence: A283169
Score: 13.5523
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-9x^2-13x-13}{x^3-1}$$

Sequence: A283197
Score: 5.04019
Type of gen. func.: ogf

$$-\frac{2x^2(x+1)(2x^2+3x-3)}{(x^5+x^4-2x^3-2x^2-3x+1)^2}$$

Sequence: A283207
Score: 5.86701
Type of gen. func.: ogf

$$-2(x^{23}-x^{21}+x^{20}-x^{18}+2x^{17}-x^{16}+x^{14}-x^{13}-x^{12}+2x^{11}+x^2+1)/($$

```
    x - 1)



--------------------------------------------------------------------------------

Sequence:  A283214
Score: 9.83106
Type of gen. func.: ogf


                                    3
                               11 x  + 10 x + 1
                 -----------------------------------------------
                                                        2
                 (x + 1) (x - 1) (10 x + 1) (10 x - 1) (x  + 1)



--------------------------------------------------------------------------------

Sequence:  A283215
Score: 9.61428
Type of gen. func.: ogf


                                      3
                               1100 x  + x + 1
               ---------------------------------------------------
                                                            2
               (x - 1) (10 x + 1) (10 x - 1) (x + 1) (100 x  + 1)



--------------------------------------------------------------------------------

Sequence:  A283216
Score: 12.3694
Type of gen. func.: ogf


                                    3
                                3 x  + 2 x + 1
                  ---------------------------------------------
                                                       2
                  (x - 1) (2 x + 1) (2 x - 1) (x + 1) (x  + 1)



--------------------------------------------------------------------------------

Sequence:  A283217
Score: 11.5125
Type of gen. func.: ogf


                                     3
                                12 x  + x + 1
                 -----------------------------------------------
                                                          2
                 (x - 1) (2 x + 1) (2 x - 1) (x + 1) (4 x  + 1)



--------------------------------------------------------------------------------

Sequence:  A283224
Score: 12.7786
Type of gen. func.: ogf_with_Euler_transform]
```

$$-\frac{5x^2+8x+5}{-x^4+2x^2-1}$$

Sequence: A283238
Score: 9.45267
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{10x^4+20x^3+27x^2+20x+10}{-x^6+2x^3-1}$$

Sequence: A283242
Score: 12.4480
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-5x^2-8x-5}{-x^4+2x^2-1}$$

Sequence: A283243
Score: 9.28938
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-10x^4-20x^3-27x^2-20x-10}{-x^6+2x^3-1}$$

Sequence: A283263
Score: 13.5506
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x-1}{x^3-3x^2+3x-1}$$

Sequence: A283264
Score: 10.5411

Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{2} - 4 x - 1}{-x^{4} + 4 x^{3} - 6 x^{2} + 4 x - 1}$$

Sequence: A283271
Score: 7.95679
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{3} - 11 x^{2} - 11 x - 1}{x^{5} - 5 x^{4} + 10 x^{3} - 10 x^{2} + 5 x - 1}$$

Sequence: A283276
Score: 4.87460
Type of gen. func.: ogf

$$-\frac{x^{7} + x^{5} + x^{4} + x^{3} - x^{2} - 3 x - 4}{x^{8} - x^{7} + 2 x^{6} - x^{5} + 2 x^{4} - 3 x^{3} - x^{2} - 3 x + 1}$$

Sequence: A283323
Score: 14.9803
Type of gen. func.: ogf

$$-\frac{2 x^{3} - 2 x - 1}{(x - 1) (2 x + 1) (2 x - 1)}$$

Sequence: A283323
Score: 6.87066
Type of gen. func.: ogf

{a(n + 4) - a(n + 3) - 4 a(n + 2) + 4 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 7,

a(3) = 13}

Sequence: A283323

Score: 7.74405
Type of gen. func.: ogf

$$-(61 f(x) + 129) (4 f(x) x^3 - 4 f(x) x^2 + 2 x^3 - f(x) x + f(x) - 2 x - 1)$$

Sequence: A283323
Score: 8.54017
Type of gen. func.: lgdogf

$$-\frac{-8 x^4 + 12 x^3 + 10 x^2 - 8 x - 3}{-8 x^6 + 8 x^5 + 10 x^4 - 6 x^3 - 6 x^2 + x + 1}$$

Sequence: A283329
Score: 6.51012
Type of gen. func.: ogf

$$-\frac{5 x^8 + 13 x^7 + 33 x^6 - 38 x^5 - 46 x^4 - 50 x^3 + x^2 + x + 1}{(x - 1) (x^2 + x + 1) (x^6 - 50 x^3 + 1)}$$

Sequence: A283330
Score: 4.97099
Type of gen. func.: ogf

$$- (6 x^{11} + 16 x^{10} + 41 x^9 + 106 x^8 - 112 x^7 - 137 x^6 - 147 x^5 - 152 x^4 + x^3 + x^2 + x + 1) / ((x - 1) (x + 1) (x^2 + 1) (x^8 - 152 x^4 + 1))$$

Sequence: A283331
Score: 15.2029
Type of gen. func.: ogf

$$-(f(x) x - f(x) + 1)^3$$

Sequence: A283332
Score: 7.23688

Type of gen. func.: ogf

$$-(2 f(x) x + f(x) - 3 x - 1) (f(x) x - f(x) + 1)^2$$

Sequence: A283336
Score: 6.26875
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^4 - 26 x^3 - 66 x^2 - 26 x - 1}{-x^6 + 6 x^5 - 15 x^4 + 20 x^3 - 15 x^2 + 6 x - 1}$$

Sequence: A283337
Score: 5.11869
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^5 + 57 x^4 + 302 x^3 + 302 x^2 + 57 x + 1}{-x^7 + 7 x^6 - 21 x^5 + 35 x^4 - 35 x^3 + 21 x^2 - 7 x + 1}$$

Sequence: A283348
Score: 7.33170
Type of gen. func.: ogf

$$\frac{10000 x^6 - 9000 x^4 - 90 x^3 + 109 x^2 - 10 x + 1}{(x - 1) (10 x - 1) (x + 1)}$$

Sequence: A283349
Score: 9.45305
Type of gen. func.: ogf

$$\frac{4 x^6 + x^4 + 2 x^3 - x^2 - x + 1}{(x - 1) (2 x + 1) (2 x - 1)}$$

Sequence: A283350
Score: 9.14393
Type of gen. func.: ogf

$$\frac{16 x^6 - 8 x^4 - 2 x^3 + 5 x^2 - 2 x + 1}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A283351
Score: 4.96389
Type of gen. func.: ogf

$\{-a(n + 4) + a(n + 3) + 100 a(n + 2) - 100 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 111\}$

Sequence: A283351
Score: 5.39384
Type of gen. func.: ogf

$(121 f(x) - 119) (100 f(x) x^3 - 100 f(x) x^2 - 110 x^3 - f(x) x + 100 x^2 + f(x) - 1)$

Sequence: A283351
Score: 9.38379
Type of gen. func.: ogf

$$\frac{110 x^3 - 100 x^2 + 1}{(x - 1) (10 x + 1) (10 x - 1)}$$

Sequence: A283352
Score: 10.1160
Type of gen. func.: ogf

$$\frac{110 x^3 - x^2 + 1}{(x - 1) (10 x - 1) (x + 1)}$$

Sequence: A283352
Score: 4.98575
Type of gen. func.: ogf

```
{-a(n + 4) + 10 a(n + 3) + a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 10,

    a(2) = 100, a(3) = 1110}



-------------------------------------------------------------------------------

Sequence:  A283352
Score: 5.53973
Type of gen. func.: ogf


                             3         2        3              2
  -(121 f(x) + 79) (10 f(x) x  - f(x) x  - 110 x  - 10 f(x) x + x  + f(x) - 1)



-------------------------------------------------------------------------------

Sequence:  A283353
Score: 11.9419
Type of gen. func.: ogf


                                         2
                           (2 x + 1) (3 x  - 2 x + 1)
                           --------------------------
                           (x - 1) (2 x - 1) (x + 1)



-------------------------------------------------------------------------------

Sequence:  A283353
Score: 5.83628
Type of gen. func.: ogf


{-a(n + 4) + 2 a(n + 3) + a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 4,

    a(3) = 14}



-------------------------------------------------------------------------------

Sequence:  A283353
Score: 6.74978
Type of gen. func.: ogf


                           3         2      3               2
       (f(x) + 1) (2 f(x) x  - f(x) x  - 6 x  - 2 f(x) x + x  + f(x) - 1)



-------------------------------------------------------------------------------

Sequence:  A283353
Score: 7.39262
Type of gen. func.: lgdogf


                               4       3       2
                            4 x  + 24 x  - 14 x  - 2
                - ----------------------------------------------
                      6      5       4       3      2
                  12 x  - 8 x  - 11 x  + 10 x  - 2 x  - 2 x + 1
```

Sequence: A283355
Score: 6.84319
Type of gen. func.: ogf

$$\frac{100 x^7 + 9 x^5 - 10 x^4 + 11 x^3 - 10 x^2 + 9 x + 1}{(x - 1) (10 x + 1) (10 x - 1)}$$

Sequence: A283356
Score: 6.47304
Type of gen. func.: ogf

$$\frac{100000 x^7 - 90000 x^5 - 1000 x^4 + 1100 x^3 - 10 x^2 - 9 x + 1}{(x - 1) (10 x - 1) (x + 1)}$$

Sequence: A283357
Score: 8.64527
Type of gen. func.: ogf

$$\frac{4 x^7 + x^5 - 2 x^4 + 3 x^3 - 2 x^2 + x + 1}{(x - 1) (2 x + 1) (2 x - 1)}$$

Sequence: A283358
Score: 8.26491
Type of gen. func.: ogf

$$\frac{32 x^7 - 16 x^5 - 8 x^4 + 12 x^3 - 2 x^2 - x + 1}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A283393
Score: 8.37465
Type of gen. func.: ogf

$$- \frac{10 x^9 + x^8 + 2 x^7 + 5 x^6 + 2 x^5 + 5 x^4 + 2 x^3 + x^2 + 10 x + 1}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A283394
Score: 12.8338
Type of gen. func.: lgdogf

$$-\frac{-2 x^{2} + 10 x + 19}{-2 x^{3} + 9 x^{2} - 3 x - 4}$$

Sequence: A283394
Score: 13.8858
Type of gen. func.: ogf

$$\frac{(2 x + 1) (x - 4)}{(x - 1)^{3}}$$

Sequence: A283394
Score: 7.43011
Type of gen. func.: ogf

$$(11 f(x) - 104) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x - 2 x^{2} - f(x) + 7 x + 4)$$

Sequence: A283394
Score: 7.43011
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 4, a(1) = 19, a(2) = 43\}$$

Sequence: A283409
Score: 6.74299
Type of gen. func.: ogf

$$-\frac{x^{4} + x^{3} + x^{2} + 4 x + 4}{x^{5} + x^{4} + x^{3} + 3 x^{2} + 3 x - 1}$$

Sequence: A283410

Score: 5.10019
Type of gen. func.: ogf

$$\frac{(x+1)(2x^5-x^4+3x^3+6x^2-13x-8)}{2x^5+x^4+10x^3+13x^2+5x-1}$$

Sequence: A283437
Score: 8.16029
Type of gen. func.: ogf

$$-\frac{(x+1)(x^5-x^3+1)}{(x-1)(x^2+x+1)(x^4-x^2+1)}$$

Sequence: A283439
Score: 6.31781
Type of gen. func.: ogf

$$-\frac{x^6-2x^5+3x^4-2x^3+5x-1}{(x+1)(x^2-x+1)^3}$$

Sequence: A283442
Score: 6.99509
Type of gen. func.: ogf

$$\frac{x(5x^8+10x^7+15x^6+20x^5+x^4+20x^3+15x^2+10x+5)}{(x-1)^2(x^4+x^3+x^2+x+1)}$$

Sequence: A283443
Score: 6.23832
Type of gen. func.: ogf

$$x(6x^{10}+3x^9+2x^8+6x^7+30x^6+x^5+30x^4+6x^3+2x^2+3x+6) \Big/ \left((x-1)^2(x^2+x+1)^2(x+1)^2(x^2-x+1)^2\right)$$

Sequence: A283444
Score: 5.28378
Type of gen. func.: ogf

$$x\,(7x^{12}+14x^{11}+21x^{10}+28x^{9}+35x^{8}+42x^{7}+x^{6}+42x^{5}+35x^{4}+28x^{3}+21x^{2}+14x+7)\,/\,((x-1)^{2}\,(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)^{2})$$

Sequence: A283456
Score: 4.94713
Type of gen. func.: ogf

$$(210\,f(x)-5683)\,(24\,f(x)\,x^{4}-50\,f(x)\,x^{3}+35\,f(x)\,x^{2}+59\,x^{3}-10\,f(x)\,x-85\,x^{2}+f(x)+37\,x-5)$$

Sequence: A283456
Score: 8.77529
Type of gen. func.: ogf

$$-\frac{59x^{3}-85x^{2}+37x-5}{(x-1)\,(3x-1)\,(2x-1)\,(4x-1)}$$

Sequence: A283457
Score: 5.03725
Type of gen. func.: ogf

$$-\frac{2034x^{5}-3797x^{4}+2589x^{3}-822x^{2}+123x-7}{(x-1)\,(6x-1)\,(4x-1)\,(3x-1)\,(2x-1)\,(5x-1)}$$

Sequence: A283488
Score: 4.53678
Type of gen. func.: ogf

$$-\frac{2x^{2}\,(x^{2}+x+1)\,(x^{2}+x-1)}{}$$

$$(x^5 + x^4 + x^3 + 3 x^2 + 3 x - 1)^2$$

Sequence: A283504
Score: 4.9079
Type of gen. func.: ogf

$$-(195899 f(x) - 1226200)$$

$$(10 f(x) x^3 - f(x) x^2 - 100 x^3 - 10 f(x) x - 100 x^2 + f(x) + 10 x - 1)$$

Sequence: A283504
Score: 5.01459
Type of gen. func.: ogf

$$\{-a(n + 4) + 10 a(n + 3) + a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 0,$$

$$a(2) = 101, a(3) = 1100\}$$

Sequence: A283504
Score: 9.10545
Type of gen. func.: ogf

$$\frac{100 x^3 + 100 x^2 - 10 x + 1}{(x - 1) (10 x - 1) (x + 1)}$$

Sequence: A283505
Score: 5.18451
Type of gen. func.: ogf

$$-(16321 + 1013980 f(x))$$

$$(100 f(x) x^3 - 100 f(x) x^2 - 10 x^3 - f(x) x - x^2 + f(x) + x - 1)$$

Sequence: A283505
Score: 5.18451
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3) - 100 a(n + 2) + 100 a(n + 1), a(0) = 1, a(1) = 0,$$

$$a(2) = 101, a(3) = 11\}$$

Sequence: A283505
Score: 9.66841
Type of gen. func.: ogf

$$\frac{10 x^3 + x^2 - x + 1}{(x - 1) (10 x + 1) (10 x - 1)}$$

Sequence: A283506
Score: 11.1990
Type of gen. func.: ogf

$$\frac{4 x^3 + 4 x^2 - 2 x + 1}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A283506
Score: 5.85401
Type of gen. func.: ogf

$\{a(n + 4) - 2 a(n + 3) - a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = 0, a(2) = 5,$

$a(3) = 12\}$

Sequence: A283506
Score: 6.13276
Type of gen. func.: ogf

$$(3501 f(x) - 19126) (2 f(x) x^3 - f(x) x^2 - 4 x^3 - 2 f(x) x - 4 x^2 + f(x) + 2 x - 1)$$

Sequence: A283506
Score: 8.13399
Type of gen. func.: lgdogf

$$- \frac{-12 x^4 - 8 x^3 - 4 x^2 + 10 x}{-8 x^6 - 4 x^5 + 16 x^4 - 7 x^2 + 4 x - 1}$$

Sequence: A283507
Score: 11.2946
Type of gen. func.: ogf

$$\frac{2x^3 + x^2 - x + 1}{(x - 1)(2x + 1)(2x - 1)}$$

Sequence: A283507
Score: 5.94905
Type of gen. func.: ogf

{a(n + 4) - a(n + 3) - 4 a(n + 2) + 4 a(n + 1), a(0) = 1, a(1) = 0, a(2) = 5,

a(3) = 3}

Sequence: A283507
Score: 6.04128
Type of gen. func.: ogf

$$-(5868 f(x) + 9757) (4 f(x) x^3 - 4 f(x) x^2 - 2 x^3 - f(x) x - x^2 + f(x) + x - 1)$$

Sequence: A283507
Score: 7.49352
Type of gen. func.: lgdogf

$$-\frac{-12x^4 + 4x^3 - 11x^2 + 10x}{-8x^6 + 4x^5 + 10x^4 - 9x^3 + 2x^2 + 2x - 1}$$

Sequence: A283508
Score: 12.6910
Type of gen. func.: ogf

$$\frac{x^2 - x + 1}{(10x - 1)(x - 1)}$$

Sequence: A283508
Score: 6.52341
Type of gen. func.: ogf

$$\{-a(n + 3) + 11 a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 10, a(2) = 101\}$$

Sequence: A283508
Score: 7.27089
Type of gen. func.: ogf

$$(2 + 23 f(x)) (10 f(x) x^2 - 11 f(x) x - x^2 + f(x) + x - 1)$$

Sequence: A283508
Score: 8.94878
Type of gen. func.: lgdogf

$$- \frac{x^2 + 18 x - 10}{10 x^4 - 21 x^3 + 22 x^2 - 12 x + 1}$$

Sequence: A283514
Score: 3.79984
Type of gen. func.: ogf

$$- (81000000000 x^8 + 6300000000 x^7 + 549000000 x^6 + 46800000 x^5 + 3870000 x^4 + 306000 x^3 + 22500 x^2 - 560 x + 3) / ((x - 1) (100 x - 1)^2)$$

Sequence: A283523
Score: 10.0354
Type of gen. func.: ogf

$$- \frac{2 x^5 + x^4 + x^3 - 7 x^2 + 3 x - 1}{(2 x - 1) (x - 1)}$$

Sequence: A283538
Score: 5.73652
Type of gen. func.: ogf

$$-\frac{(x - 1)(8 x^4 + 12 x^3 - 2 x^2 - x + 7)}{8 x^6 - 4 x^5 - 10 x^4 + 7 x^3 + x^2 - 5 x + 1}$$

Sequence: A283539
Score: 3.81045
Type of gen. func.: ogf

$$-\frac{16 x^7 + 6 x^6 - 95 x^5 - 43 x^4 + 43 x^3 - 8 x^2 - 2 x + 13}{16 x^8 - 10 x^7 - 85 x^6 + 26 x^5 + 27 x^4 - 14 x^3 + 10 x^2 + 6 x - 1}$$

Sequence: A283544
Score: 5.54731
Type of gen. func.: ogf

$$-\frac{2 x^5 - 9 x^4 - 5 x^3 - 5 x^2 - 17 x - 8}{2 x^6 - 11 x^5 + 6 x^4 - 11 x^3 - 7 x^2 - 2 x + 1}$$

Sequence: A283545
Score: 3.60084
Type of gen. func.: ogf

$$-\frac{145 x^7 + 95 x^6 + 25 x^5 - 7 x^4 - 89 x^3 - 73 x^2 - 66 x - 16}{145 x^8 - 50 x^7 + 75 x^6 - 82 x^5 - 24 x^4 - 62 x^3 - 19 x^2 - 2 x + 1}$$

Sequence: A283551
Score: 5.78887
Type of gen. func.: ogf

$-(f(x) + 1)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 2 x^3 - 4 f(x) x + 4 x^2 + f(x) - 4 x + 1)$$

Sequence: A283573
Score: 7.57783
Type of gen. func.: lgdogf

$$-\frac{-180 x^{3} - 129 x^{2} - 33 x - 13}{-36 x^{4} - 35 x^{3} - 15 x^{2} + 7 x + 2}$$

Sequence: A283573
Score: 7.93444
Type of gen. func.: ogf

$$\frac{2 x (9 x + 2)}{(4 x^{3} + 3 x^{2} + x - 1)^{2}}$$

Sequence: A283583
Score: 5.22084
Type of gen. func.: ogf

$$(10 x^{11} + 4 x^{10} - 120 x^{9} - 16 x^{8} + 166 x^{7} + 60 x^{6} + 40 x^{5} + 16 x^{4} + 10 x^{3} + 4 x^{2} + 3 x + 1) / ((x - 1) (2 x + 1) (2 x - 1) (x + 1) (4 x^{2} + 1) (16 x^{4} + 1))$$

Sequence: A283584
Score: 5.43250
Type of gen. func.: ogf

$$- (256 x^{11} - 256 x^{10} + 84 x^{9} + 16 x^{8} - 47 x^{7} + 15 x^{6} + x^{5} - x^{4} + x^{3} - x^{2} - 3 x - 1) / ((x - 1) (2 x + 1) (2 x - 1) (x + 1) (x^{4} + 1) (x^{2} + 1))$$

Sequence: A283587
Score: 5.07110
Type of gen. func.: ogf

$$- (16 x^{12} - 160 x^{11} + 64 x^{10} + 128 x^{9} - 106 x^{7} - 60 x^{6} - 24 x^{5} - 16 x^{4} - 6 x^{3}$$

$$- 4 x^{2} - 2 x - 1) \Big/ ((x - 1) (2 x + 1) (2 x - 1) (4 x^{2} + 1) (16 x^{4} + 1))$$

Sequence: A283588
Score: 5.36788
Type of gen. func.: ogf

$$- (256 x^{12} - 80 x^{11} + 16 x^{10} + 4 x^{9} - 77 x^{7} + 15 x^{6} + 3 x^{5} - x^{4} + 3 x^{3} - x^{2} - x$$
$$- 1) \Big/ ((x - 1) (2 x - 1) (x + 1) (x^{4} + 1) (x^{2} + 1))$$

Sequence: A283589
Score: 4.77251
Type of gen. func.: ogf

$$-(7202699927100 f(x) + 191361410740439)$$
$$(90 x^{4} + 10 f(x) x^{2} + x^{3} - 11 f(x) x - 111 x^{2} + f(x) + 11 x - 1)$$

Sequence: A283589
Score: 5.08834
Type of gen. func.: ogf

$$\{a(n + 5) - 11 a(n + 4) + 10 a(n + 3), a(0) = 1, a(1) = 0, a(2) = 101,$$
$$a(3) = 1110, a(4) = 11110\}$$

Sequence: A283589
Score: 9.22685
Type of gen. func.: ogf

$$- \frac{90 x^{4} + x^{3} - 111 x^{2} + 11 x - 1}{(10 x - 1) (x - 1)}$$

Sequence: A283590
Score: 5.00324
Type of gen. func.: ogf

$$(364498650855 f(x) - 32530938472904)$$

$$(-900 x^4 + 10 f(x) x^2 + 1000 x^3 - 11 f(x) x - 111 x^2 + f(x) + 11 x - 1)$$

Sequence: A283590
Score: 5.33927
Type of gen. func.: ogf

$\{a(n + 5) - 11 a(n + 4) + 10 a(n + 3), a(0) = 1, a(1) = 0, a(2) = 101,$
$a(3) = 111, a(4) = 1111\}$

Sequence: A283590
Score: 9.05648
Type of gen. func.: ogf

$$\frac{900 x^4 - 1000 x^3 + 111 x^2 - 11 x + 1}{(10 x - 1) (x - 1)}$$

Sequence: A283591
Score: 11.1990
Type of gen. func.: ogf

$$- \frac{2 x^4 + x^3 - 7 x^2 + 3 x - 1}{(2 x - 1) (x - 1)}$$

Sequence: A283591
Score: 6.08448
Type of gen. func.: ogf

$\{a(n + 5) - 3 a(n + 4) + 2 a(n + 3), a(0) = 1, a(1) = 0, a(2) = 5, a(3) = 14,$
$a(4) = 30\}$

Sequence: A283591
Score: 6.71938
Type of gen. func.: ogf

$$(764 f(x) + 18647) (2 x^4 + 2 f(x) x^2 + x^3 - 3 f(x) x - 7 x^2 + f(x) + 3 x - 1)$$

Sequence: A283592
Score: 11.3968
Type of gen. func.: ogf

$$\frac{4 x^4 - 8 x^3 + 7 x^2 - 3 x + 1}{(2 x - 1) (x - 1)}$$

Sequence: A283592
Score: 6.24110
Type of gen. func.: ogf

$$\{a(n + 5) - 3 a(n + 4) + 2 a(n + 3), a(0) = 1, a(1) = 0, a(2) = 5, a(3) = 7, a(4) = 15\}$$

Sequence: A283592
Score: 6.72118
Type of gen. func.: ogf

$$-(211 f(x) + 316) (-4 x^4 + 2 f(x) x^2 + 8 x^3 - 3 f(x) x - 7 x^2 + f(x) + 3 x - 1)$$

Sequence: A283608
Score: 5.81492
Type of gen. func.: ogf

$$(45 x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + 5 x^5 + 10 x^4 + 10 x^3 + 10 x^2 + 10 x + 5) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A283635
Score: 4.91076
Type of gen. func.: ogf

$$-\frac{4 x^3 (45 x^3 + 9 x^2 - 5 x + 9)}{(4 x^3 + 3 x^2 + x - 1)^3}$$

Sequence: A283641
Score: 10.4180
Type of gen. func.: ogf

$$-\frac{10 x^{2} - 10 x - 1}{(x - 1) (10 x + 1) (10 x - 1)}$$

Sequence: A283641
Score: 5.53973
Type of gen. func.: ogf

$$(364630 f(x) + 47739)$$

$$(100 f(x) x^{3} - 100 f(x) x^{2} - f(x) x + 10 x^{2} + f(x) - 10 x - 1)$$

Sequence: A283641
Score: 5.86559
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 100 a(n + 1) + 100 a(n), a(0) = 1, a(1) = 11, a(2) = 101\}$$

Sequence: A283642
Score: 12.5627
Type of gen. func.: lgdogf

$$-\frac{4 x^{2} + 4 x + 3}{4 x^{3} + 4 x^{2} - x - 1}$$

Sequence: A283642
Score: 17.8669
Type of gen. func.: ogf

$$-\frac{2 x + 1}{(x + 1) (2 x - 1)}$$

Sequence: A283642
Score: 9.45894
Type of gen. func.: ogf

$$(7 f(x) + 2) (2 f(x) x^{2} + f(x) x - f(x) + 2 x + 1)$$

Sequence: A283642
Score: 9.80500
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - 2 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A283646
Score: 5.05667
Type of gen. func.: ogf

$$(256 x^{15} - 128 x^{11} + 128 x^{10} - 128 x^{9} + 152 x^{7} + 72 x^{6} + 40 x^{5} + 16 x^{4} + 10 x^{3} + 4 x^{2} + 3 x + 1) / ((x - 1) (2 x + 1) (2 x - 1) (x + 1) (4 x^{2} + 1) (16 x^{4} + 1))$$

Sequence: A283647
Score: 5.62245
Type of gen. func.: ogf

$$(128 x^{15} + 8 x^{11} + 8 x^{10} - 4 x^{9} + 7 x^{7} + 9 x^{6} - x^{5} + x^{4} - x^{3} + x^{2} + 3 x + 1) / ((x - 1) (2 x + 1) (2 x - 1) (x + 1) (x^{4} + 1) (x^{2} + 1))$$

Sequence: A283648
Score: 7.44101
Type of gen. func.: ogf

$$\frac{110 x^{5} - 21 x^{4} + x^{3} + 110 x^{2} - 10 x + 1}{(x - 1) (10 x - 1) (x + 1)}$$

Sequence: A283649
Score: 7.08378
Type of gen. func.: ogf

$$\frac{11000 x^5 - 12000 x^4 + 1000 x^3 + 11 x^2 - x + 1}{(x - 1) (10 x + 1) (10 x - 1)}$$

Sequence: A283650
Score: 9.09093
Type of gen. func.: ogf

$$\frac{6 x^5 - 5 x^4 + x^3 + 6 x^2 - 2 x + 1}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A283651
Score: 8.95777
Type of gen. func.: ogf

$$\frac{24 x^5 - 32 x^4 + 8 x^3 + 3 x^2 - x + 1}{(x - 1) (2 x + 1) (2 x - 1)}$$

Sequence: A283660
Score: 5.26012
Type of gen. func.: ogf

$$\frac{4 x^4 (2 x - 1)}{(4 x^3 - 2 x^2 + 4 x - 1)^3}$$

Sequence: A283660
Score: 7.61171
Type of gen. func.: lgdogf

$$- \frac{-64 x^3 + 56 x^2 - 28 x + 10}{-8 x^4 + 8 x^3 - 10 x^2 + 6 x - 1}$$

Sequence: A283678
Score: 5.48110
Type of gen. func.: ogf

$$\{(16 n^{3} + 72 n^{2} + 108 n + 54) a(n + 1) + (-n - 2) a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A283679
Score: 4.29708
Type of gen. func.: ogf

$$- \frac{x (x^{2} + x - 1) (x^{4} + 3 x^{3} - x^{2} - 3 x + 1)}{x^{8} + 7 x^{7} + 10 x^{6} - 13 x^{5} - 21 x^{4} + 13 x^{3} + 10 x^{2} - 7 x + 1}$$

Sequence: A283692
Score: 6.72800
Type of gen. func.: ogf

$$- \frac{8 x^{4} + 14 x^{3} + 3 x^{2} - 4 x - 4}{(2 x^{2} + x + 1) (4 x^{3} + x^{2} - 4 x + 1)}$$

Sequence: A283707
Score: 7.95418
Type of gen. func.: ogf

$$- \frac{90 x^{5} - 109 x^{4} + 120 x^{3} - 121 x^{2} + 11 x - 1}{(10 x - 1) (x - 1)}$$

Sequence: A283708
Score: 7.98341
Type of gen. func.: ogf

$$\frac{9000 x^{5} - 8900 x^{4} - 210 x^{3} + 121 x^{2} - 11 x + 1}{(10 x - 1) (x - 1)}$$

Sequence: A283709
Score: 10.0354
Type of gen. func.: ogf

$$-\frac{2 x^5 - 5 x^4 + 8 x^3 - 9 x^2 + 3 x - 1}{(2 x - 1) (x - 1)}$$

Sequence: A283712
Score: 5.41089
Type of gen. func.: ogf

$$\frac{110000 x^8 - 10000 x^7 + 1000 x^6 - 1000 x^4 + 1000 x^3 + 90 x^2 + 10 x + 1}{(x - 1) (10 x + 1) (10 x - 1) (100 x^2 + 1)}$$

Sequence: A283713
Score: 6.12285
Type of gen. func.: ogf

$$\frac{11000 x^8 - 1000 x^7 + 1000 x^6 - 10 x^4 + x^3 - 9 x^2 + x + 1}{(x - 1) (10 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A283716
Score: 4.70104
Type of gen. func.: ogf

$$(178712599 f(x) + 195691793)$$

$$(108 f(x) x^3 - 139 f(x) x^2 + 32 f(x) x + 139 x^2 - f(x) - 64 x + 3)$$

Sequence: A283716
Score: 5.28866
Type of gen. func.: ogf

$\{-a(n + 3) + 32 a(n + 2) - 139 a(n + 1) + 108 a(n), a(0) = 3, a(1) = 32,$

$a(2) = 746\}$

Sequence: A283716
Score: 9.19767
Type of gen. func.: ogf

$$-\frac{139 x^2 - 64 x + 3}{(x - 1) (27 x - 1) (4 x - 1)}$$

Sequence: A283727
Score: 4.94088
Type of gen. func.: ogf

$$\frac{2 x^2 (2 x + 1) (2 x - 1) (4 x^2 - 5)}{(2 x^2 + x + 1)^2 (4 x^3 + x^2 - 4 x + 1)^2}$$

Sequence: A283752
Score: 7.69082
Type of gen. func.: ogf

$$\frac{(2 x^2 + 1) (24 x^6 - 8 x^5 - 8 x^4 + 4 x^3 + 2 x + 1)}{(x - 1) (2 x + 1) (2 x - 1) (4 x^2 + 1)}$$

Sequence: A283811
Score: 7.26957
Type of gen. func.: ogf

$$-\frac{(x - 1) (18 x^2 - 13 x - 1)}{(6 x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A283812
Score: 4.90740
Type of gen. func.: ogf

$$-\frac{(120 x^3 - 38 x^2 - 39 x - 1) (x - 1)^2}{(6 x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (7 x - 1) (5 x - 1)}$$

Sequence: A283813
Score: 4.71890
Type of gen. func.: ogf

$$\frac{(x-1)\,(1200\,x^{4}-1546\,x^{3}+371\,x^{2}+94\,x+1)}{(6\,x-1)\,(4\,x-1)\,(3\,x-1)\,(2\,x-1)\,(8\,x-1)\,(7\,x-1)\,(5\,x-1)}$$

Sequence: A283820
Score: 10.2625
Type of gen. func.: ogf

$$(f(x)\,x-f(x)+1)^{3}$$

Sequence: A283821
Score: 8.48174
Type of gen. func.: ogf

$$-(f(x)-1)\,(f(x)\,x-f(x)+1)^{2}$$

Sequence: A283834
Score: 13.7468
Type of gen. func.: ogf

$$-\frac{1}{(x+1)\,(x^{2}+1)\,(x^{3}+x^{2}+x-1)}$$

Sequence: A283834
Score: 7.39217
Type of gen. func.: lgdogf

$$-\frac{6\,x^{5}+10\,x^{4}+12\,x^{3}+6\,x^{2}+2\,x}{x^{6}+2\,x^{5}+3\,x^{4}+2\,x^{3}+x^{2}-1}$$

Sequence: A283835

Score: 10.2386
Type of gen. func.: ogf

$$-\frac{1}{(x^4 + x^3 + x^2 + x + 1)(x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A283836
Score: 8.87917
Type of gen. func.: ogf

$$-\frac{1}{(x + 1)(x^2 + x + 1)(x^2 - x + 1)(x^5 + x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A283837
Score: 7.43248
Type of gen. func.: ogf

$$-\frac{1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x^6 + x^5 + x^4 + x^3 + x^2 + x - 1)}$$

Sequence: A283842
Score: 10.3513
Type of gen. func.: ogf

$$\frac{x^3 (3 x - 2)}{(2 x - 1)(5 x^2 - 5 x + 1)(x - 1)^2}$$

Sequence: A283842
Score: 5.30669
Type of gen. func.: ogf

$$(4035 f(x) - 34133)(10 f(x) x^5 - 35 f(x) x^4 + 47 f(x) x^3 - 3 x^4 - 30 f(x) x^2 + 2 x^3 + 9 f(x) x - f(x))$$

Sequence: A283842
Score: 7.55368
Type of gen. func.: lgdogf

$$-\frac{120 x^4 - 295 x^3 + 267 x^2 - 105 x + 15}{30 x^5 - 95 x^4 + 116 x^3 - 68 x^2 + 19 x - 2}$$

Sequence: A283852
Score: 4.21399
Type of gen. func.: ogf

$$-\frac{32 x^7 - 72 x^6 + 4 x^5 + 24 x^4 + 56 x^3 + 2 x^2 - 5 x - 8}{32 x^8 - 88 x^7 + 48 x^6 + 2 x^5 + 50 x^4 - 19 x^3 + 2 x^2 - 7 x + 1}$$

Sequence: A283858
Score: 4.07819
Type of gen. func.: ogf

$$-(4171303 f(x) - 2421174)$$

$$(6 f(x) x^4 + 7 f(x) x^3 + f(x) x^2 + 6 x^3 + 3 f(x) x + 9 x^2 - f(x) + 4 x + 4)$$

Sequence: A283858
Score: 8.10342
Type of gen. func.: ogf

$$-\frac{6 x^3 + 9 x^2 + 4 x + 4}{6 x^4 + 7 x^3 + x^2 + 3 x - 1}$$

Sequence: A283878
Score: 8.83815
Type of gen. func.: ogf

$$-\frac{x (x^6 + x^5 + x^3 - x^2 - 3 x - 2)}{(x^2 + x + 1)^2 (x - 1)^2}$$

Sequence: A283879
Score: 5.59449
Type of gen. func.: ogf

$$-\frac{x^{10}+3x^{9}-3x^{8}-2x^{7}-4x^{5}+5x^{4}-3x^{2}+3x-4}{(x+1)(x-1)^{2}(x^{2}+1)^{2}}$$

Sequence: A283891
Score: 7.33192
Type of gen. func.: ogf

$$-\frac{10000x^{8}-x^{7}-x^{6}-x^{5}-x^{4}-x^{3}-x^{2}-9973x-28}{(x+1)(x^{4}+1)(x^{2}+1)(x-1)^{2}}$$

Sequence: A283892
Score: 7.33192
Type of gen. func.: ogf

$$-\frac{10001x^{8}-x^{7}-x^{6}-x^{5}-x^{4}-x^{3}-x^{2}-9974x-28}{(x+1)(x^{4}+1)(x^{2}+1)(x-1)^{2}}$$

Sequence: A283896
Score: 11.0605
Type of gen. func.: ogf

$$(364545\,f(x)-33173594)\,(f(x)\,x^{2}+89\,x^{2}-f(x)+2\,x+91)$$

Sequence: A283896
Score: 11.3148
Type of gen. func.: ogf

$$\{-a(n+3)+a(n+1),\ a(0)=91,\ a(1)=2,\ a(2)=180\}$$

Sequence: A283896
Score: 12.9525
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 360 x + 2}{89 x^4 + 2 x^3 + 2 x^2 - 2 x - 91}$$

Sequence: A283896
Score: 19.3017
Type of gen. func.: ogf

$$-\frac{89 x^2 + 2 x + 91}{(x - 1) (x + 1)}$$

Sequence: A283897
Score: 14.6112
Type of gen. func.: ogf

$$-\frac{91 x^2 + 2 x + 93}{(x - 1) (x + 1)}$$

Sequence: A283897
Score: 8.3727
Type of gen. func.: ogf

$$(389390 f(x) - 36213269) (f(x) x^2 + 91 x^2 - f(x) + 2 x + 93)$$

Sequence: A283897
Score: 8.56517
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1), a(0) = 93, a(1) = 2, a(2) = 184\}$$

Sequence: A283897
Score: 9.80487
Type of gen. func.: lgdogf

$$-\frac{2 x^{2} + 368 x + 2}{91 x^{4} + 2 x^{3} + 2 x^{2} - 2 x - 93}$$

Sequence: A283898
Score: 7.05394
Type of gen. func.: ogf

$$-\frac{4 (x^{7} + 78 x^{6} + x^{5} + 156 x^{4} - 2 x^{3} - 78 x^{2} - x - 156)}{(x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2}}$$

Sequence: A283899
Score: 7.05394
Type of gen. func.: ogf

$$-\frac{4 (x^{7} + 100 x^{6} + x^{5} + 200 x^{4} - 2 x^{3} - 100 x^{2} - x - 200)}{(x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2}}$$

Sequence: A283900
Score: 6.79465
Type of gen. func.: ogf

$$-\frac{2 (2 x^{7} + 385 x^{6} + 2 x^{5} + 770 x^{4} - 4 x^{3} - 385 x^{2} - 2 x - 770)}{(x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2}}$$

Sequence: A283901
Score: 4.98285
Type of gen. func.: ogf

$$(4 x^{12} - 307 x^{11} - 311 x^{9} + 303 x^{8} - 8 x^{7} - 307 x^{6} + 307 x^{5} - 622 x^{4} + 315 x^{3} + 311 x^{2} + 4 x + 315) \Big/ ((x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2})$$

Sequence: A283902
Score: 7.26563
Type of gen. func.: ogf

$$-\frac{2\,(351\,x^{7}+2\,x^{6}+702\,x^{5}+2\,x^{4}-351\,x^{3}-2\,x^{2}-702\,x-4)}{(x-1)^{2}\,(x+1)^{2}\,(x^{2}+1)^{2}}$$

Sequence: A283905
Score: 7.91702
Type of gen. func.: ogf

$$\frac{24\,x^{8}-8\,x^{7}+8\,x^{6}-2\,x^{4}+x^{3}-x^{2}+x+1}{(x-1)\,(2\,x-1)\,(x+1)\,(x^{2}+1)}$$

Sequence: A283918
Score: 12.9698
Type of gen. func.: ogf

$$(f(x)\,x-f(x)+1)^{3}$$

Sequence: A283920
Score: 5.87817
Type of gen. func.: ogf

$$-(2\,f(x)\,x+f(x)-3\,x-1)\,(f(x)\,x-f(x)+1)^{2}$$

Sequence: A283951
Score: 5.54765
Type of gen. func.: ogf

$$\frac{2\,x^{2}\,(x+1)^{2}}{(6\,x^{4}+7\,x^{3}+x^{2}+3\,x-1)^{2}}$$

Sequence: A283958
Score: 6.25757

Type of gen. func.: ogf

$$-\frac{4x^8+10x^7+25x^6-33x^5-39x^4-42x^3+x^2+x+1}{(x-1)(x^2+x+1)(x^6-42x^3+1)}$$

Sequence: A283959
Score: 4.90303
Type of gen. func.: ogf

$$-(5x^{11}+13x^{10}+33x^9+85x^8-99x^7-119x^6-127x^5-131x^4+x^3+x^2+x+1) \Big/ ((x-1)(x+1)(x^2+1)(x^8-131x^4+1))$$

Sequence: A283971
Score: 8.75661
Type of gen. func.: ogf

$$\frac{x(x^6+x^5+3x^4+4x^3+3x^2+x+1)}{(x-1)^2(x+1)^2(x^2+1)^2}$$

Sequence: A284016
Score: 29.3551
Type of gen. func.: ogf

$$-4x+1-f(x)^2$$

Sequence: A284016
Score: 32.5002
Type of gen. func.: lgdogf

$$\frac{2}{4x-1}$$

Sequence: A284016
Score: 8.75007

Type of gen. func.: ogf

```
         {(n + 2) a(n + 2) + (-2 - 4 n) a(n + 1), a(0) = -1, a(1) = 2}
```

Sequence: A284032
Score: 3.56429
Type of gen. func.: ogf

```
        5         4         3         2                     2
(12096 x  - 9336 x  - 3670 x  + 2855 x  + 214 x + 1) (x - 1) /((6 x - 1)

    (4 x - 1) (3 x - 1) (9 x - 1) (2 x - 1) (8 x - 1) (7 x - 1) (5 x - 1))
```

Sequence: A284092
Score: 9.82968
Type of gen. func.: ogf_with_Euler_transform]

```
                            14    13    8    6
                           x   - x   + x  + x  - x + 1
                         - ---------------------------
                                      16
                                     x   - 1
```

Sequence: A284093
Score: 8.93182
Type of gen. func.: ogf_with_Euler_transform]

```
                                   14    13    6
                                 -x   + x   - x
                               - ---------------
                                      16
                                    -x   + 1
```

Sequence: A284095
Score: 11.4620
Type of gen. func.: ogf_with_Euler_transform]

```
                                     8
                                    x  - x + 1
                                  - ----------
                                      16
                                     x   - 1
```

Sequence: A284122
Score: 10.0299
Type of gen. func.: lgdogf

$$-\frac{-x^5 - x^4 - 6x^3 + 6x^2 + 2x - 2}{-x^6 + x^4 + 2x^2 - 3x + 1}$$

Sequence: A284122
Score: 13.1900
Type of gen. func.: ogf

$$\frac{2x(x^3 + x - 1)}{(x^2 + x - 1)(x - 1)^2}$$

Sequence: A284122
Score: 4.88765
Type of gen. func.: ogf

$\{(n - 1) a(n) + a(n + 1) + (-2 n + 3) a(n + 2) + (n - 2) a(n + 3), a(0) = 0,$

$a(1) = 2, a(2) = 4, a(3) = 8, a(4) = 12, a(5) = 18\}$

Sequence: A284122
Score: 6.9773
Type of gen. func.: ogf

$-(f(x) - 41)$

$$(f(x)\, x^4 - f(x)\, x^3 - 2x^4 - 2 f(x)\, x^2 + 3 f(x)\, x - 2x^2 - f(x) + 2x)$$

Sequence: A284125
Score: 4.98964
Type of gen. func.: ogf

$$\frac{2x^2(x^2 + 1)(2x^7 - 2x^6 - 2x^5 - x^4 + 5x^3 - 6x^2 + 4x - 1)}{(x^2 + x - 1)(x^3 + x^2 + x - 1)(x^3 - x^2 + 2x - 1)(x - 1)^2}$$

Sequence: A284177
Score: 4.86172

Type of gen. func.: ogf

$$(512 x^{17} + 32 x^{14} + 32 x^{13} - 192 x^{12} + 128 x^{11} + 256 x^{10} - 204 x^{8} + 8 x^{7} + 16 x^{6} + 4 x^{4} + 1) / ((x - 1) (2 x + 1) (2 x - 1) (x + 1) (4 x^{2} + 1) (16 x^{4} + 1))$$

Sequence: A284178
Score: 5.23821
Type of gen. func.: ogf

$$(256 x^{17} + 512 x^{14} + 256 x^{13} - 48 x^{12} + 16 x^{11} + 4 x^{10} - 45 x^{8} + 16 x^{7} + 4 x^{6} + 4 x^{4} + 1) / ((x - 1) (2 x + 1) (2 x - 1) (x + 1) (x^{4} + 1) (x^{2} + 1))$$

Sequence: A284181
Score: 5.43250
Type of gen. func.: ogf

$$- (16 x^{14} - 16 x^{13} - x^{10} - x^{9} - 2 x^{8} - 4 x^{7} + 8 x^{6} - 8 x^{5} + 3 x^{4} - 5 x^{3} - 3 x^{2} - x - 1) / ((x - 1) (2 x + 1) (2 x - 1) (4 x^{2} + 1))$$

Sequence: A284182
Score: 4.89957
Type of gen. func.: ogf

$$- (1024 x^{14} - 512 x^{13} - 1024 x^{10} + 256 x^{9} + 64 x^{8} + 16 x^{7} + 8 x^{6} - 4 x^{5} - 18 x^{4} + 5 x^{3} - 3 x^{2} + x - 1) / ((x - 1) (2 x - 1) (x + 1) (x^{2} + 1))$$

Sequence: A284204
Score: 3.78178
Type of gen. func.: ogf

$\{(-n + 4) a(n + 1) + (-n - 3) a(n + 2) + a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0,$

a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 5040}

Sequence: A284205
Score: 3.47945
Type of gen. func.: ogf

{(n - 5) a(n + 1) + (n + 3) a(n + 2) - a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0,

a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 0, a(7) = 40320}

Sequence: A284206
Score: 3.19763
Type of gen. func.: ogf

{(n - 6) a(n + 1) + (n + 3) a(n + 2) - a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0,

a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 0, a(7) = 0, a(8) = 362880}

Sequence: A284235
Score: 7.82877
Type of gen. func.: ogf

$$\frac{10 x^5 - 11 x^4 + x^3 + 10 x^2 - 10 x + 1}{(x - 1) (10 x - 1) (x + 1)}$$

Sequence: A284236
Score: 6.61434
Type of gen. func.: ogf

$$\frac{10000 x^5 - 11000 x^4 + 1000 x^3 + 10 x^2 - x + 1}{(x - 1) (10 x + 1) (10 x - 1)}$$

Sequence: A284237
Score: 9.00259
Type of gen. func.: ogf

$$\frac{2 x^5 - 3 x^4 + x^3 + 2 x^2 - 2 x + 1}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A284238
Score: 9.07937
Type of gen. func.: ogf

$$\frac{16 x^5 - 24 x^4 + 8 x^3 + 2 x^2 - x + 1}{(x - 1) (2 x + 1) (2 x - 1)}$$

Sequence: A284245
Score: 4.61140
Type of gen. func.: ogf

$$(16 x^{16} - 16 x^{14} - x^{12} - 2 x^{11} - 3 x^{10} - 6 x^9 + 4 x^8 - 16 x^7 + 11 x^6 + 22 x^5 - 4 x^4 + 7 x^3 + 2 x^2 + 1) / ((x - 1) (2 x + 1) (2 x - 1) (x + 1) (4 x^2 + 1))$$

Sequence: A284286
Score: 18.3677
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4 x + 8}{x^2 - 1}$$

Sequence: A284293
Score: 5.57261
Type of gen. func.: ogf

$$(4000 x^{22} + 400 x^{14} + 440 x^{10} + 44 x^8 + 5 x^7 + 45 x^6 + 5 x^5 + 45 x^4 + 5 x^3 + 5 x^2 + 5 x + 1) / ((x + 1) (x^4 + 1) (x^2 + 1) (x - 1)^2)$$

Sequence: A284307
Score: 10.8502
Type of gen. func.: ogf

$$\frac{x^4 + x^3 - 2x^2 + 3x + 1}{(x^2 + 1)(x + 1)(x - 1)^2}$$

Sequence: A284312
Score: 27.2677
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{1}{x^3 - 1}$$

Sequence: A284313
Score: 25.5761
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{1}{x^4 - 1}$$

Sequence: A284314
Score: 24.3506
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{1}{x^5 - 1}$$

Sequence: A284315
Score: 23.1470
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x}{x^3 - 1}$$

Sequence: A284316
Score: 21.8172
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^2}{x^4 - 1}$$

Sequence: A284317
Score: 19.9216
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^3}{x^5 - 1}$$

Sequence: A284319
Score: 20.2476
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x}{x^5 - 1}$$

Sequence: A284320
Score: 20.5208
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^2}{x^5 - 1}$$

Sequence: A284321
Score: 15.7528
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^3 + 1}{-x^5 + 1}$$

Sequence: A284322

Score: 16.0341
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^2+x}{-x^5+1}$$

Sequence: A284351
Score: 10.6924
Type of gen. func.: ogf

$$\frac{100x^2-9x+1}{(x-1)(10x-1)(x+1)}$$

Sequence: A284351
Score: 5.65049
Type of gen. func.: ogf

$$(7166 f(x) + 256045)$$

$$(10 f(x) x^3 - f(x) x^2 - 10 f(x) x - 100 x^2 + f(x) + 9 x - 1)$$

Sequence: A284351
Score: 5.99146
Type of gen. func.: ogf

$\{a(n + 3) - 10 a(n + 2) - a(n + 1) + 10 a(n), a(0) = 1, a(1) = 1, a(2) = 111\}$

Sequence: A284352
Score: 10.7385
Type of gen. func.: ogf

$$\frac{x^2+9x+1}{(x-1)(10x+1)(10x-1)}$$

Sequence: A284352
Score: 5.36927
Type of gen. func.: ogf

$$-(3668300 f(x) + 814201)$$

$$(100 f(x) x^3 - 100 f(x) x^2 - f(x) x - x^2 + f(x) - 9 x - 1)$$

Sequence: A284352
Score: 5.86559
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 100 a(n + 1) + 100 a(n), a(0) = 1, a(1) = 10, a(2) = 111\}$$

Sequence: A284352
Score: 6.12285
Type of gen. func.: lgdogf

$$-\frac{100 x^4 + 1800 x^3 - 599 x^2 - 202 x - 10}{100 x^5 + 800 x^4 - 801 x^3 - 108 x^2 + 8 x + 1}$$

Sequence: A284353
Score: 12.7250
Type of gen. func.: ogf

$$\frac{4 x^2 - x + 1}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A284353
Score: 6.86925
Type of gen. func.: ogf

$$(14 f(x) + 37) (2 f(x) x^3 - f(x) x^2 - 2 f(x) x - 4 x^2 + f(x) + x - 1)$$

Sequence: A284353
Score: 6.93058
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - a(n + 1) + 2 a(n), a(0) = 1, a(1) = 1, a(2) = 7\}$$

Sequence: A284353
Score: 7.92066
Type of gen. func.: lgdogf

$$-\frac{-8x^4+4x^3-15x^2+10x+1}{-8x^5+6x^4+5x^3-5x^2+3x-1}$$

Sequence: A284354
Score: 12.5530
Type of gen. func.: ogf

$$\frac{x^2+x+1}{(x-1)(2x+1)(2x-1)}$$

Sequence: A284354
Score: 6.65857
Type of gen. func.: ogf

$$(236 f(x) + 313) (4 f(x) x^3 - 4 f(x) x^2 - f(x) x - x^2 + f(x) - x - 1)$$

Sequence: A284354
Score: 6.83693
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 4 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 2, a(2) = 7\}$$

Sequence: A284354
Score: 9.00866
Type of gen. func.: lgdogf

$$-\frac{-4x^4-8x^3-9x^2+10x+2}{-4x^5+x^3+4x^2-1}$$

Sequence: A284359
Score: 16.2191
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^3 - 2x^2 - 2}{x^2 + 1}$$

Sequence: A284370
Score: 5.03832
Type of gen. func.: ogf

$$-(2x^{26} - 2x^{18} - x^{12} - x^{11} - 5x^{10} - x^9 - 3x^8 - x^7 - 3x^6 - x^5 - 3x^4 - x^3 - 5x^2 - x - 2) / ((x + 1)(x^2 + 1)(x^2 + x + 1)(x^2 - x + 1)(x^4 - x^2 + 1)(x - 1)^2)$$

Sequence: A284403
Score: 8.23826
Type of gen. func.: ogf

$$-\frac{10x^5 + 89x^4 + x^3 - 111x^2 + 11x - 1}{(10x - 1)(x - 1)}$$

Sequence: A284404
Score: 7.40880
Type of gen. func.: ogf

$$-\frac{10000x^5 - 10900x^4 + 1000x^3 - 111x^2 + 11x - 1}{(10x - 1)(x - 1)}$$

Sequence: A284405
Score: 9.73711
Type of gen. func.: ogf

$$-\frac{16x^5 - 20x^4 + 8x^3 - 7x^2 + 3x - 1}{(2x - 1)(x - 1)}$$

Sequence: A284429
Score: 9.32791
Type of gen. func.: ogf

$$-\frac{3 x^{5} + x^{4} - x^{3} - 3 x^{2} - x - 2}{(x^{2} + x + 1)^{2} (x - 1)^{2}}$$

Sequence: A284467
Score: 7.99049
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{4} - x^{3} - x + 1}{-x^{6} - 2 x^{5} - 3 x^{4} - 4 x^{3} - 3 x^{2} - 2 x - 1}$$

Sequence: A284474
Score: 8.13035
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{4} + x^{3} + x - 1}{-x^{6} - 2 x^{5} - 3 x^{4} - 4 x^{3} - 3 x^{2} - 2 x - 1}$$

Sequence: A284479
Score: 5.45316
Type of gen. func.: ogf

$$\frac{10000 x^{8} - 10000 x^{7} + 1000 x^{5} - 1000 x^{4} + 1010 x^{3} + 90 x^{2} + 10 x + 1}{(x - 1) (10 x + 1) (10 x - 1) (100 x^{2} + 1)}$$

Sequence: A284480
Score: 6.06961
Type of gen. func.: ogf

8 7 5 4 3 2

$$\frac{10000 x - 1000 x + 100 x - 10 x + 101 x - 9 x + x + 1}{(x - 1) (10 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A284481
Score: 7.22392
Type of gen. func.: ogf

$$\frac{16 x^8 - 16 x^7 + 8 x^5 - 8 x^4 + 10 x^3 + 2 x^2 + 2 x + 1}{(x - 1) (2 x + 1) (2 x - 1) (4 x^2 + 1)}$$

Sequence: A284482
Score: 7.61005
Type of gen. func.: ogf

$$\frac{16 x^8 - 8 x^7 + 4 x^5 - 2 x^4 + 5 x^3 - x^2 + x + 1}{(x - 1) (2 x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A284483
Score: 7.52189
Type of gen. func.: ogf

$$\frac{10 x^5 - 11 x^4 + x^3 + 110 x^2 - 10 x + 1}{(x - 1) (10 x - 1) (x + 1)}$$

Sequence: A284484
Score: 6.61434
Type of gen. func.: ogf

$$\frac{10000 x^5 - 11000 x^4 + 1000 x^3 + 11 x^2 - x + 1}{(x - 1) (10 x + 1) (10 x - 1)}$$

Sequence: A284485
Score: 9.20097
Type of gen. func.: ogf

$$\frac{16 x^5 - 24 x^4 + 8 x^3 + 3 x^2 - x + 1}{(x - 1) (2 x + 1) (2 x - 1)}$$

Sequence: A284494
Score: 5.90338
Type of gen. func.: ogf

$$\{(-16 n^2 - 16 n - 4) a(n + 1) + (n^2 + 4 n + 4) a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A284499
Score: 21.7349
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{1}{x^7 - 1}$$

Sequence: A284500
Score: 18.2837
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x}{x^7 - 1}$$

Sequence: A284501
Score: 18.5386
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^2}{x^7 - 1}$$

Sequence: A284502
Score: 18.3867
Type of gen. func.: ogf_with_Euler_transform]

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$$\frac{x}{x^7 - 1}$$

Sequence: A284503
Score: 17.7293
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^4}{x^7 - 1}$$

Sequence: A284504
Score: 17.9308
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^5}{x^7 - 1}$$

Sequence: A284517
Score: 14.8607
Type of gen. func.: ogf

$$- \frac{6 x^3 + 7 x^2 + 5 x + 1}{(x - 1) (x^2 + x + 1) (x + 1)}$$

Sequence: A284517
Score: 8.26925
Type of gen. func.: ogf

$$(367 f(x) - 2262) (f(x) x^4 + f(x) x^3 + 6 x^3 - f(x) x + 7 x^2 - f(x) + 5 x + 1)$$

Sequence: A284518
Score: 8.39200
Type of gen. func.: ogf

$$-\frac{24 x^{5} + 25 x^{4} + 35 x^{3} + 20 x^{2} + 11 x + 1}{(x - 1) (x + 1) (x^{2} + 1) (x^{2} + x + 1)}$$

Sequence: A284540
Score: 5.62907
Type of gen. func.: ogf

$$\frac{100 x^{8} + 1010 x^{7} - 100 x^{6} - 1000 x^{5} + 990 x^{3} + 100 x^{2} + 10 x + 1}{(x - 1) (10 x + 1) (10 x - 1) (100 x^{2} + 1)}$$

Sequence: A284541
Score: 5.72135
Type of gen. func.: ogf

$$\frac{1000000 x^{8} + 1010000 x^{7} - 10000 x^{6} - 100 x^{5} - 99 x^{3} + x^{2} + x + 1}{(x - 1) (10 x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A284542
Score: 7.36285
Type of gen. func.: ogf

$$\frac{4 x^{8} + 10 x^{7} - 4 x^{6} - 8 x^{5} + 6 x^{3} + 4 x^{2} + 2 x + 1}{(x - 1) (2 x + 1) (2 x - 1) (4 x^{2} + 1)}$$

Sequence: A284543
Score: 7.43009
Type of gen. func.: ogf

$$\frac{64 x^{8} + 80 x^{7} - 16 x^{6} - 4 x^{5} - 3 x^{3} + x^{2} + x + 1}{(x - 1) (2 x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A284585

Score: 23.0707
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{1}{x^6 - 1}$$

Sequence: A284586
Score: 18.4348
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^4}{x^6 - 1}$$

Sequence: A284628
Score: 9.47268
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^6 - x^5 + 3x^4 + 3x^2 - x + 1}{x^8 - 2x^4 + 1}$$

Sequence: A284647
Score: 8.41049
Type of gen. func.: ogf

$$-\frac{x(3x^2 - 5x + 1)}{(x - 1)(x^2 - 7x + 1)(x^2 - 3x + 1)}$$

Sequence: A284663
Score: 5.76823
Type of gen. func.: ogf

$$-\frac{(x - 1)(x + 1)(3x^4 + 2x^3 + 6x^2 + 6x + 3)}{(x^2 + 1)(x^5 + x^4 - 2x^3 - 2x^2 - 3x + 1)}$$

Sequence: A284670
Score: 4.72600
Type of gen. func.: ogf

$$-\left(x^{26}-x^{25}+x^{20}-x^{19}+3x^{18}-3x^{17}+7x^{14}-7x^{13}+x^{11}-x^{9}+2x^{8}-x^{7}-x^{6}+3x^{3}-x^{2}+16x-19\right)\Big/(x-1)^{2}$$

Sequence: A284672
Score: 8.13759
Type of gen. func.: ogf

$$-\frac{x^{28}-x^{27}+x^{7}-x^{6}+x^{4}+5x^{3}+2x^{2}+9x-18}{(x-1)^{2}}$$

Sequence: A284699
Score: 9.39138
Type of gen. func.: ogf

$$-\frac{5x^{4}+4x^{3}+3x^{2}+6x+3}{x^{5}+x^{4}+x^{3}+3x^{2}+3x-1}$$

Sequence: A284700
Score: 4.18038
Type of gen. func.: ogf

$$-(304876611\,f(x)-6151495843)\left(4\,f(x)\,x^{4}-f(x)\,x^{3}-18\,f(x)\,x^{2}+x^{3}-13\,f(x)\,x+36\,x^{2}+f(x)+39\,x-4\right)$$

Sequence: A284700
Score: 8.36075
Type of gen. func.: ogf

$$x^{3}+36x^{2}+39x-4$$

$$-\frac{}{4 x^4 - x^3 - 18 x^2 - 13 x + 1}$$

Sequence: A284701
Score: 5.62309
Type of gen. func.: ogf

$$-\frac{8 x^7 + 14 x^6 - 6 x^5 - 25 x^4 - 12 x^3 - 2 x - 2}{x^8 + 2 x^7 - x^6 - 5 x^5 - 3 x^4 - x^2 - 2 x + 1}$$

Sequence: A284702
Score: 5.72245
Type of gen. func.: ogf

$$-\frac{7 x^6 + 6 x^5 - 5 x^4 - 4 x^3 - 15 x^2 - 2 x - 3}{(x^2 + 1) (x^5 + x^4 - 2 x^3 - 2 x^2 - 3 x + 1)}$$

Sequence: A284703
Score: 5.44268
Type of gen. func.: ogf

$$-\frac{8 x^7 + 7 x^6 - 6 x^5 - 10 x^4 + 4 x^3 - 3 x^2 - 4 x - 1}{(x^2 - x + 1) (x^3 + 2 x^2 + x - 1) (x^3 - x - 1)}$$

Sequence: A284709
Score: 6.57954
Type of gen. func.: ogf

$$\frac{x^7 - 4 x^5 - 2 x^4 + 4 x^3 + 2 x^2 - x - 2}{(x - 1) (x + 1) (x^3 + x^2 - 1)^2}$$

Sequence: A284710
Score: 4.30510
Type of gen. func.: ogf

$$-\frac{2x^7+x^6-4x^5-8x^4-8x^3+3x^2-3}{(x^2-x+1)(x^3+2x^2+x-1)(x^3-x-1)}$$

Sequence: A284778
Score: 8.62313
Type of gen. func.: lgdogf

$$\frac{2 I}{x(3x-1)^{1/2}(x+1)^{1/2}}-\frac{3x+2}{(x+1)x}$$

Sequence: A284787
Score: 7.93208
Type of gen. func.: ogf

$$-\frac{2(x^{11}-x^{10}+x^9-x^8+x^7-x^5+2x^4+12x-15)}{(x-1)^2}$$

Sequence: A284808
Score: 4.67505
Type of gen. func.: ogf

$$-7(57x^{15}-7x^{14}-7x^{13}-7x^{12}-7x^{11}-7x^{10}-7x^9-6x^8-74x^7-x^6-x^5-x^4-x^3-x^2-x-2) \Big/ \left((x+1)(x^4+1)(x^2+1)(x-1)^2\right)$$

Sequence: A284814
Score: 2.96386
Type of gen. func.: ogf_with_Euler_transform]

$$37058549x^7+11121217x^6+1032327x^5+11311x^3$$

Sequence: A284816
Score: 11.0248

Type of gen. func.: egf]

$$\frac{x^2 + 2}{2 (x - 1)^4}$$

Sequence: A284816
Score: 11.3694
Type of gen. func.: lgdegf]

$$- \frac{-2 x^2 - 2 x - 8}{-x^3 + x^2 - 2 x + 2}$$

Sequence: A284816
Score: 4.30556
Type of gen. func.: ogf

$$\{(-n^2 - 5 n - 6) a(n + 1) + (n^2 + 10 n + 20) a(n + 2) + (-n - 3) a(n + 3),$$
$$a(0) = 1, a(1) = 4, a(2) = 21\}$$

Sequence: A284816
Score: 5.47098
Type of gen. func.: egf]

$$(12177 f(x) + 6785)$$
$$(2 f(x) x^4 - 8 f(x) x^3 + 12 f(x) x^2 - 8 f(x) x - x^2 + 2 f(x) - 2)$$

Sequence: A284838
Score: 3.00915
Type of gen. func.: ogf

$$\{(4608 n + 9984) a(n + 1) + (-1824 n - 2800) a(n + 2) + (192 n + 248) a(n + 3)$$
$$+ (-6 n - 7) a(n + 4), a(0) = 0, a(1) = 40, a(2) = 1088, a(3) = 21888\}$$

Sequence: A284838
Score: 4.54486

Type of gen. func.: ogf

$$(11979 f(x) + 20362) (3072 f(x) x^4 - 1984 f(x) x^3 + 432 f(x) x^2 - 36 f(x) x + 352 x^2 + f(x) - 40 x)$$

Sequence: A284838
Score: 6.15892
Type of gen. func.: lgdogf

$$-\frac{-101376 x^3 + 33664 x^2 - 3776 x + 136}{-33792 x^4 + 17216 x^3 - 2928 x^2 + 204 x - 5}$$

Sequence: A284838
Score: 8.55849
Type of gen. func.: ogf

$$-\frac{8 x (44 x - 5)}{(16 x - 1) (12 x - 1) (4 x - 1)^2}$$

Sequence: A284840
Score: 13.8315
Type of gen. func.: ogf

$$-\frac{1}{x^5 - 5 x^4 + 8 x^3 - 7 x^2 + 5 x - 1}$$

Sequence: A284840
Score: 7.40477
Type of gen. func.: lgdogf

$$-\frac{5 x^4 - 20 x^3 + 24 x^2 - 14 x + 5}{x^5 - 5 x^4 + 8 x^3 - 7 x^2 + 5 x - 1}$$

Sequence: A284843
Score: 3.59166
Type of gen. func.: ogf

$$\{(n^2 + 10 n + 21) a(n + 1) + (-n^2 - 11 n - 28) a(n + 3) + (n + 4) a(n + 4),$$

$$a(0) = 3, a(1) = 12, a(2) = 55, a(3) = 318\}$$

Sequence: A284843
Score: 7.85939
Type of gen. func.: lgdegf]

$$- \frac{x^4 - x^3 + 5 x^2 + 7 x + 12}{x^4 - 2 x^3 + 4 x^2 - 3}$$

Sequence: A284844
Score: 8.15504
Type of gen. func.: lgdegf]

$$- \frac{x^4 + x^3 + 6 x^2 + 17 x + 35}{x^4 - x^3 + 3 x^2 + 5 x - 8}$$

Sequence: A284845
Score: 8.51785
Type of gen. func.: lgdegf]

$$- \frac{x^4 + 3 x^3 + 9 x^2 + 29 x + 78}{x^4 + 2 x^2 + 12 x - 15}$$

Sequence: A284850
Score: 10.9162
Type of gen. func.: ogf

$$- \frac{x (11 x - 5)}{(4 x - 1) (3 x - 1) (x - 1)^2}$$

Sequence: A284850
Score: 3.63873
Type of gen. func.: ogf

$$\{(72 n + 156) a(n + 1) + (-114 n - 175) a(n + 2) + (48 n + 62) a(n + 3) + (-6 n - 7) a(n + 4), a(0) = 0, a(1) = 5, a(2) = 34, a(3) = 171\}$$

Sequence: A284850
Score: 5.49793
Type of gen. func.: ogf

$$(11979 f(x) + 10181) (12 f(x) x^4 - 31 f(x) x^3 + 27 f(x) x^2 - 9 f(x) x + 11 x^2 + f(x) - 5 x)$$

Sequence: A284850
Score: 8.01296
Type of gen. func.: lgdogf

$$- \frac{-396 x^3 + 526 x^2 - 236 x + 34}{-132 x^4 + 269 x^3 - 183 x^2 + 51 x - 5}$$

Sequence: A284859
Score: 21.9063
Type of gen. func.: lgdegf]

$$1 + 3 \exp(3 x)$$

Sequence: A284860
Score: 17.6935
Type of gen. func.: lgdegf]

$$1 - 3 \exp(3 x)$$

Sequence: A284864
Score: 22.2808
Type of gen. func.: lgdegf]

$$2 + 3 \exp(3 x)$$

Sequence: A284865
Score: 18.1616
Type of gen. func.: lgdegf]

$$2 - 3 \exp(3 x)$$

Sequence: A284891
Score: 4.14085
Type of gen. func.: ogf

$$(31111020 x^8 - 59111010 x^7 + 25200000 x^6 + 2520000 x^5 + 252000 x^4 + 25200 x^3 + 2520 x^2 + 272 x - 3) / ((100 x - 1) (x - 1)^2)$$

Sequence: A284896
Score: 9.02516
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^4 + 3 x^3 + 6 x^2 + 3 x + 1}{-x^6 + 3 x^4 - 3 x^2 + 1}$$

Sequence: A284897
Score: 6.60989
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^6 - 7 x^5 - 23 x^4 - 28 x^3 - 23 x^2 - 7 x - 1}{-x^8 + 4 x^6 - 6 x^4 + 4 x^2 - 1}$$

Sequence: A284965
Score: 6.90218
Type of gen. func.: ogf

$$- \frac{x^5 (x^4 - x^2 - 1)}{}$$

$$(x^2 + 1) (x + 1)^2 (x - 1)^2$$

Sequence: A284968
Score: 8.96307
Type of gen. func.: lgdogf

$$\frac{3/2\ I}{x (4 x - 1)^{1/2}} - \frac{7 x - 3}{2 (x - 1) x}$$

Sequence: A284985
Score: 10.8517
Type of gen. func.: lgdogf

$$- \frac{2 x - 576}{x^2 - 576 x + 1}$$

Sequence: A284985
Score: 14.1072
Type of gen. func.: ogf

$$\frac{24 x}{x^2 - 576 x + 1}$$

Sequence: A284985
Score: 6.71773
Type of gen. func.: ogf

$$\{a(n + 2) - 576 a(n + 1) + a(n), a(0) = 0, a(1) = 24\}$$

Sequence: A284985
Score: 9.10143
Type of gen. func.: ogf

$$-f(x) x^2 + 576 f(x) x - f(x) + 24 x$$

Sequence: A285009
Score: 13.1254
Type of gen. func.: lgdogf

$$-\frac{-4 x^{2} + 12 x - 17}{-4 x^{3} + 14 x^{2} - 19 x + 9}$$

Sequence: A285009
Score: 14.3956
Type of gen. func.: ogf

$$-\frac{4 x^{2} - 10 x + 9}{(x - 1)^{3}}$$

Sequence: A285009
Score: 7.56377
Type of gen. func.: ogf

$$(2349 f(x) + 3499) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 4 x^{2} - f(x) - 10 x + 9)$$

Sequence: A285009
Score: 7.82917
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 9, a(1) = 17, a(2) = 28\}$$

Sequence: A285043
Score: 11.0438
Type of gen. func.: lgdogf

$$-\frac{-24 x - 18}{-48 x^{2} + 8 x + 1}$$

Sequence: A285043
Score: 3.63378
Type of gen. func.: ogf

$\{(n + 3)\, a(n + 3) + (-2 + 8 n)\, a(n + 2) + (-72 - 48 n)\, a(n + 1), a(0) = 1,$

$a(1) = 18, a(2) = 102\}$

Sequence: A285043
Score: 5.68926
Type of gen. func.: ogf

$$64\, f(x)^2 x^3 - 48\, f(x)^2 x^2 + 12\, f(x)^2 x - f(x)^2 + 144 x^2 + 24 x + 1$$

Sequence: A285044
Score: 8.75821
Type of gen. func.: lgdogf

$$-\frac{160 x^2 + 400 x + 50}{320 x^3 + 80 x^2 - 36 x - 1}$$

Sequence: A285045
Score: 4.10243
Type of gen. func.: ogf

$\{(-32 n^2 - 16 n)\, a(n) + (16 n^2 + 32 n + 114)\, a(n + 1)$

$+ (-2 n^2 - 7 n - 6)\, a(n + 2), a(0) = 1, a(1) = 98\}$

Sequence: A285045
Score: 6.57227
Type of gen. func.: lgdogf

$$-\frac{-896 x^3 - 4704 x^2 - 1960 x - 98}{-1792 x^4 - 1792 x^3 + 224 x^2 + 80 x + 1}$$

Sequence: A285046
Score: 3.20978
Type of gen. func.: ogf

$$\{(-32 n^2 - 16 n) a(n) + (16 n^2 + 32 n + 178) a(n + 1)$$

$$+ (-2 n^2 - 7 n - 6) a(n + 2), a(0) = 1, a(1) = 162\}$$

Sequence: A285048
Score: 15.8365
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{3 x^4 + 1}{-x^8 + 2 x^4 - 1}$$

Sequence: A285049
Score: 15.2790
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{4 x^5 + 1}{-x^{10} + 2 x^5 - 1}$$

Sequence: A285050
Score: 14.1587
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-2 x^3 - 1}{-x^6 + 2 x^3 - 1}$$

Sequence: A285064
Score: 23.8722
Type of gen. func.: lgdegf]

$$1 + 4 \exp(4 x)$$

Sequence: A285065
Score: 17.1146
Type of gen. func.: lgdegf]

$$1 - 4 \exp(4 x)$$

Sequence: A285069
Score: 13.5931
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{2} - 1}{-x^{4} + 2 x^{2} - 1}$$

Sequence: A285070
Score: 13.4392
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3 x^{4} - 1}{-x^{8} + 2 x^{4} - 1}$$

Sequence: A285071
Score: 12.8952
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4 x^{5} - 1}{-x^{10} + 2 x^{5} - 1}$$

Sequence: A285131
Score: 14.2623
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{6} - 3 x^{2}}{x^{8} - 2 x^{4} + 1}$$

Sequence: A285132
Score: 13.4223
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{8} - 4x^{3}}{x^{10} - 2x^{5} + 1}$$

Sequence: A285173
Score: 15.7081
Type of gen. func.: ogf

$$-\frac{x^{2} + x - 3}{(x - 1)^{2}}$$

Sequence: A285173
Score: 17.3444
Type of gen. func.: lgdogf

$$-\frac{3x - 5}{x^{3} - 4x + 3}$$

Sequence: A285173
Score: 8.16205
Type of gen. func.: ogf

$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 3, a(1) = 5, a(2) = 6\}$

Sequence: A285173
Score: 8.85669
Type of gen. func.: ogf

$$(2 f(x) + 19) (f(x) x^{2} - 2 f(x) x + x^{2} + f(x) + x - 3)$$

Sequence: A285184
Score: 16.5007
Type of gen. func.: ogf

$$\frac{x^{2} - x - 1}{}$$

$$x^3 + 2 x - 1$$

Sequence: A285184
Score: 9.10976
Type of gen. func.: lgdogf

$$- \frac{x^4 - 2 x^3 - 5 x^2 + 2 x - 3}{x^5 - x^4 + x^3 - 3 x^2 - x + 1}$$

Sequence: A285184
Score: 9.30359
Type of gen. func.: ogf

$$(5 f(x) + 11) (f(x) x^3 + 2 f(x) x - x^2 - f(x) + x + 1)$$

Sequence: A285184
Score: 9.30359
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - a(n), a(0) = 1, a(1) = 3, a(2) = 5\}$$

Sequence: A285185
Score: 10.2341
Type of gen. func.: ogf

$$2 f(x) x^3 - 2 f(x) x^2 - 2 f(x) x - 4 x^2 + f(x) - 2 x$$

Sequence: A285185
Score: 11.4461
Type of gen. func.: lgdogf

$$- \frac{8 x^3 + 2 x^2 - 4 x - 4}{4 x^4 - 2 x^3 - 6 x^2 + 1}$$

Sequence: A285185
Score: 15.2614
Type of gen. func.: ogf

$$\frac{2 x (2 x + 1)}{2 x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A285185
Score: 7.83695
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 2, a(2) = 8\}$$

Sequence: A285186
Score: 10.4895
Type of gen. func.: ogf

$$2 f(x) x^3 - 2 f(x) x^2 - 2 f(x) x - 2 x^2 + f(x) - x$$

Sequence: A285186
Score: 11.7317
Type of gen. func.: lgdogf

$$- \frac{8 x^3 + 2 x^2 - 4 x - 4}{4 x^4 - 2 x^3 - 6 x^2 + 1}$$

Sequence: A285186
Score: 15.6423
Type of gen. func.: ogf

$$\frac{x (2 x + 1)}{2 x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A285186
Score: 8.03252
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 1, a(2) = 4}

Sequence: A285187
Score: 6.29159
Type of gen. func.: ogf

$$-\frac{x^7 + 2x^6 + x^5 - 3x^4 - 4x^3 + 3x + 1}{(x - 1)(x + 1)(x^3 + x^2 - 1)^2}$$

Sequence: A285188
Score: 6.60510
Type of gen. func.: ogf

$$-\frac{x(x^4 + 3x^3 + 11x^2 + 5x + 4)}{(x + 1)^3 (x - 1)^5}$$

Sequence: A285193
Score: 8.58397
Type of gen. func.: ogf

$$-\frac{x^6 + x^5 + 2x^4 + 2x^2 + 2x + 1}{(x - 1)(x + 1)(x^2 + 1)(x^4 + 1)}$$

Sequence: A285194
Score: 5.74108
Type of gen. func.: ogf

$$-\frac{(x^2 + 1)(2x^9 + x^6 + x^5 - x^3 + x^2 + 2x + 1)}{(x - 1)(x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A285197
Score: 10.4162
Type of gen. func.: ogf

$$-\frac{5 x^{3} - 11 x^{2} + 6 x - 1}{(3 x - 1) (x - 1) (x^{2} - 3 x + 1)}$$

Sequence: A285197
Score: 5.78676
Type of gen. func.: ogf

$$-(f(x) + 4) (3 f(x) x^{4} - 13 f(x) x^{3} + 16 f(x) x^{2} + 5 x^{3} - 7 f(x) x - 11 x^{2} + f(x) + 6 x - 1)$$

Sequence: A285199
Score: 11.2169
Type of gen. func.: egf]

$$f(x)^{2} x^{2} - 4 f(x)^{2} x + f(x)^{2} - 1$$

Sequence: A285199
Score: 14.7222
Type of gen. func.: lgdegf]

$$-\frac{x - 2}{x^{2} - 4 x + 1}$$

Sequence: A285199
Score: 4.90740
Type of gen. func.: ogf

$$\{(n^{2} + 4 n + 4) a(n + 1) + (-4 n - 10) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 2, a(2) = 11\}$$

Sequence: A285201
Score: 4.00923
Type of gen. func.: ogf

$$^{2} \qquad ^{2}$$

```
{(n  + 6 n + 8) a(n + 1) + (-2 n  - 13 n - 21) a(n + 2)

        2
     + (n  + 8 n + 16) a(n + 3) + (-n - 3) a(n + 4), a(0) = 1, a(1) = 2,

    a(2) = 5, a(3) = 14}
```

Sequence: A285210
Score: 4.69577
Type of gen. func.: ogf

$$\frac{x^{26} - x^{25} + x^{23} - x^{22} + x^{7} + 2 x^{6} + x^{5} + 2 x^{4} + x^{3} + x^{2} + 2 x + 1}{(x^{4} + 1) (x^{2} + 1) (x - 1)^{2}}$$

Sequence: A285212
Score: 14.0143
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{4} + 2 x}{x^{6} - 2 x^{3} + 1}$$

Sequence: A285213
Score: 12.7682
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{6} + 3 x^{2}}{x^{8} - 2 x^{4} + 1}$$

Sequence: A285214
Score: 12.2022
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{8} + 4 x^{3}}{x^{10} - 2 x^{5} + 1}$$

Sequence: A285215
Score: 9.96969
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^6+2x^5+3x^4+3x^2+2x+1}{-x^8+2x^4-1}$$

Sequence: A285247
Score: 11.5151
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^4-2x^3-2x-1}{-x^6+2x^3-1}$$

Sequence: A285262
Score: 9.00701
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^6+2x^5+3x^4+3x^3+3x^2+2x+1}{-x^8+2x^4-1}$$

Sequence: A285284
Score: 8.93349
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^6-2x^5-3x^4-3x^2-2x-1}{-x^8+2x^4-1}$$

Sequence: A285285
Score: 6.83471
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^8-2x^7-3x^6-4x^5-4x^3-3x^2-2x-1}{-x^{10}+2x^5-1}$$

Sequence: A285286
Score: 8.91316
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^{9}+2x^{7}-5x^{6}-4x^{3}+x-1}{-x^{12}+2x^{6}-1}$$

Sequence: A285288
Score: 9.61508
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3x^{12}-3x^{9}+7x^{8}+5x^{4}-x+1}{-x^{16}+2x^{8}-1}$$

Sequence: A285289
Score: 10.3001
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{6}+3x^{4}+x^{3}+3x^{2}+1}{-x^{8}+2x^{4}-1}$$

Sequence: A285314
Score: 6.49899
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A285316
Score: 4.67158
Type of gen. func.: ogf

$$\frac{x\,(6x^{38}+11x^{37}-11x^{36}-11x^{30}+5x^{29}+x^{22}-4x^{21}-4x^{8}+4)}{(6x^{37}-6x^{30}-3x^{22}-4x^{7}+4)\,(x-1)^{2}}$$

Sequence: A285338
Score: 9.36947
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4 x^{15} - 4 x^{11} + 9 x^{10} + 6 x^{5} - x + 1}{-x^{20} + 2 x^{10} - 1}$$

Sequence: A285348
Score: 8.60267
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^{6} + 3 x^{5} - 3 x + 2}{-x^{8} - x^{6} - x^{4} - x^{2} - 1}$$

Sequence: A285349
Score: 10.2926
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^{6} - 3 x^{5} + 3 x - 2}{-x^{8} - x^{6} - x^{4} - x^{2} - 1}$$

Sequence: A285355
Score: 11.3148
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^{2} + 2}{x^{4} - x^{3} + x^{2} - x + 1}$$

Sequence: A285361
Score: 10.7420
Type of gen. func.: ogf

$$-\frac{x (3 x + 1)}{}$$

$$(3 x - 1) (2 x - 1) (x - 1)^3$$

Sequence: A285361
Score: 9.49290
Type of gen. func.: lgdogf

$$-\frac{-72 x^3 + 33 x^2 + 26 x - 11}{-18 x^4 + 27 x^3 - 7 x^2 - 3 x + 1}$$

Sequence: A285391
Score: 10.6170
Type of gen. func.: lgdogf

$$-\frac{-12 x^2 + 24 x - 8}{-12 x^3 + 21 x^2 - 10 x + 1}$$

Sequence: A285391
Score: 15.9256
Type of gen. func.: ogf

$$-\frac{x - 1}{12 x^2 - 9 x + 1}$$

Sequence: A285391
Score: 8.51834
Type of gen. func.: ogf

$$(3 f(x) + 1) (12 f(x) x^2 - 9 f(x) x + f(x) + x - 1)$$

Sequence: A285391
Score: 8.82622
Type of gen. func.: ogf

$$\{-a(n + 2) + 9 a(n + 1) - 12 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A285392
Score: 13.3945
Type of gen. func.: ogf

$$\frac{(3x-1)(x-1)}{12x^2-9x+1}$$

Sequence: A285392
Score: 6.95484
Type of gen. func.: ogf

$$\{a(n+3)-9a(n+2)+12a(n+1), a(0)=1, a(1)=5, a(2)=36\}$$

Sequence: A285392
Score: 7.3061
Type of gen. func.: ogf

$$-(-2+27f(x))(12f(x)x^2-9f(x)x-3x^2+f(x)+4x-1)$$

Sequence: A285392
Score: 9.27312
Type of gen. func.: lgdogf

$$-\frac{21x^2-18x+5}{-36x^4+75x^3-51x^2+13x-1}$$

Sequence: A285393
Score: 13.8728
Type of gen. func.: lgdogf

$$-\frac{96x-20}{48x^2-20x+1}$$

Sequence: A285393
Score: 20.6111

Type of gen. func.: ogf

$$\frac{1}{48 x^2 - 20 x + 1}$$

Sequence: A285393
Score: 8.48692
Type of gen. func.: ogf

$$\{-a(n + 2) + 20 a(n + 1) - 48 a(n), a(0) = 1, a(1) = 20\}$$

Sequence: A285393
Score: 8.58795
Type of gen. func.: ogf

$$(19 f(x) + 6) (48 f(x) x^2 - 20 f(x) x + f(x) - 1)$$

Sequence: A285394
Score: 12.1910
Type of gen. func.: ogf

$$\frac{24 x^2 - 13 x + 1}{48 x^2 - 20 x + 1}$$

Sequence: A285394
Score: 6.55555
Type of gen. func.: ogf

$$\{a(n + 3) - 20 a(n + 2) + 48 a(n + 1), a(0) = 1, a(1) = 7, a(2) = 116\}$$

Sequence: A285394
Score: 6.74648
Type of gen. func.: ogf

$$-(-43 + 92 f(x)) (48 f(x) x^2 - 20 f(x) x - 24 x^2 + f(x) + 13 x - 1)$$

Sequence: A285394
Score: 8.27248
Type of gen. func.: lgdogf

$$-\frac{144 x^2 - 48 x + 7}{-1152 x^4 + 1104 x^3 - 332 x^2 + 33 x - 1}$$

Sequence: A285395
Score: 10.6086
Type of gen. func.: ogf

$$-\frac{24 x^2 - 13 x + 1}{324 x^3 - 195 x^2 + 28 x - 1}$$

Sequence: A285395
Score: 5.96188
Type of gen. func.: ogf

$$(377 f(x) + 96)$$

$$(324 f(x) x^3 - 195 f(x) x^2 + 28 f(x) x + 24 x^2 - f(x) - 13 x + 1)$$

Sequence: A285395
Score: 6.01157
Type of gen. func.: lgdogf

$$-\frac{-7776 x^4 + 8424 x^3 - 2835 x^2 + 342 x - 15}{-7776 x^5 + 8892 x^4 - 3531 x^3 + 583 x^2 - 41 x + 1}$$

Sequence: A285395
Score: 6.01157
Type of gen. func.: ogf

$$\{a(n + 3) - 28 a(n + 2) + 195 a(n + 1) - 324 a(n), a(0) = 1, a(1) = 15,$$

$$a(2) = 249\}$$

Sequence: A285396
Score: 5.20267
Type of gen. func.: ogf

$$-(2351 f(x) - 146)$$

$$(324 f(x) x^3 - 195 f(x) x^2 + 28 f(x) x + 6 x^2 - f(x) - 7 x + 1)$$

Sequence: A285396
Score: 5.41944
Type of gen. func.: ogf

$$\{-a(n + 3) + 28 a(n + 2) - 195 a(n + 1) + 324 a(n), a(0) = 1, a(1) = 21,$$

$$a(2) = 399\}$$

Sequence: A285396
Score: 9.85353
Type of gen. func.: ogf

$$- \frac{(6 x - 1) (x - 1)}{324 x^3 - 195 x^2 + 28 x - 1}$$

Sequence: A285397
Score: 10.6418
Type of gen. func.: ogf

$$- \frac{(3 x - 1)^2}{216 x^3 - 195 x^2 + 32 x - 1}$$

Sequence: A285397
Score: 5.80463
Type of gen. func.: ogf

$$(8251 f(x) + 261)$$

$$(216 f(x) x^3 - 195 f(x) x^2 + 32 f(x) x + 9 x^2 - f(x) - 6 x + 1)$$

Sequence: A285397
Score: 5.85300
Type of gen. func.: ogf

{a(n + 3) - 32 a(n + 2) + 195 a(n + 1) - 216 a(n), a(0) = 1, a(1) = 26,

a(2) = 646}

Sequence: A285397
Score: 7.47191
Type of gen. func.: lgdogf

$$-\frac{648 x^3 - 648 x^2 + 294 x - 26}{648 x^4 - 801 x^3 + 291 x^2 - 35 x + 1}$$

Sequence: A285398
Score: 4.83735
Type of gen. func.: ogf

{-a(n + 4) + 32 a(n + 3) - 195 a(n + 2) + 216 a(n + 1), a(0) = 1, a(1) = 19,

a(2) = 452, a(3) = 10948}

Sequence: A285398
Score: 5.01136
Type of gen. func.: ogf

$$-(-6884 + 147685 f(x))$$

$$(216 f(x) x^3 - 195 f(x) x^2 - 27 x^3 + 32 f(x) x + 39 x^2 - f(x) - 13 x + 1)$$

Sequence: A285398
Score: 9.04648
Type of gen. func.: ogf

$$\frac{(x - 1) (3 x - 1) (9 x - 1)}{216 x^3 - 195 x^2 + 32 x - 1}$$

Sequence: A285399
Score: 14.5942
Type of gen. func.: ogf

$$-14 f(x) x + f(x) + x - 1$$

Sequence: A285399
Score: 17.2136
Type of gen. func.: lgdogf

$$-\frac{13}{-14 x^2 + 15 x - 1}$$

Sequence: A285399
Score: 17.6666
Type of gen. func.: ogf

$$\frac{x - 1}{14 x - 1}$$

Sequence: A285399
Score: 9.07205
Type of gen. func.: ogf

$$\{a(n + 2) - 14 a(n + 1), a(0) = 1, a(1) = 13\}$$

Sequence: A285400
Score: 14.5775
Type of gen. func.: ogf

$$-21 f(x) x + f(x) + 3 x - 1$$

Sequence: A285400
Score: 17.1940
Type of gen. func.: lgdogf

$$-\frac{18}{-63 x^2 + 24 x - 1}$$

Sequence: A285400
Score: 17.6465
Type of gen. func.: ogf

$$\frac{3 x - 1}{21 x - 1}$$

Sequence: A285400
Score: 9.06170
Type of gen. func.: ogf

$$\{a(n + 2) - 21 a(n + 1), a(0) = 1, a(1) = 18\}$$

Sequence: A285407
Score: 4.03906
Type of gen. func.: ogf

$$\frac{x^{23} - x^{20} - x^{18} - 2 x^{16} - x^{14} + x^{13} + x^{11} - x^{10} + x^{7} + x^{5} + x^{3} - 1}{x^{23} + x^{22} - 2 x^{16} - x^{15} - x^{14} + x^{11} - x^{10} - x^{9} + x^{5} + x^{3} + x^{2} - 1}$$

Sequence: A285440
Score: 10.9537
Type of gen. func.: ogf

$$\frac{(x^{2} + x + 1) (3 x^{2} - 2 x + 3)}{(x^{2} + 1) (x + 1) (x - 1)^{2}}$$

Sequence: A285441
Score: 8.61899
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{6} + x^{4} - x^{2} + 1}{x^{8} + x^{6} + x^{4} + x^{2} + 1}$$

Sequence: A285442
Score: 11.5904
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^2+2}{-x^4-x^3-x^2-x-1}$$

Sequence: A285443
Score: 11.6755
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3x^2+3}{-x^4-x^3-x^2-x-1}$$

Sequence: A285444
Score: 11.0521
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4x^2+4}{-x^4-x^3-x^2-x-1}$$

Sequence: A285445
Score: 11.9575
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^3+2x^2+x+1}{x^4+x^3-x-1}$$

Sequence: A285458
Score: 9.03266
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^6+x^5+3x^4+3x^3+3x^2+x+1}{-x^8+2x^4-1}$$

Sequence: A285462
Score: 8.74856
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^6+3x^5+3x^4+5x^3+3x^2+3x+1}{-x^8+2x^4-1}$$

Sequence: A285466
Score: 5.69282
Type of gen. func.: ogf

$$(4x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+4x^5+4x^4+4x^3+4x^2+4x+4) \Big/ \left((x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)\,(x-1)^2\right)$$

Sequence: A285472
Score: 9.15309
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^7-x^6-x^5-x^4-2x^3-x^2-x-1}{-x^8+1}$$

Sequence: A285473
Score: 11.6384
Type of gen. func.: ogf

$$-\frac{100x^2-11x-1}{(x+1)(x-1)(10x+1)(10x-1)}$$

Sequence: A285473
Score: 6.71044
Type of gen. func.: ogf

$$-(13750 f(x) - 6427) (100 f(x) x^4 - 101 f(x) x^2 + 100 x^2 + f(x) - 11 x - 1)$$

Sequence: A285474
Score: 11.2581
Type of gen. func.: ogf

$$-\frac{x^2 - 11 x - 1}{(x + 1) (x - 1) (10 x + 1) (10 x - 1)}$$

Sequence: A285474
Score: 6.46302
Type of gen. func.: ogf

$$-(22 f(x) + 970589) (100 f(x) x^4 - 101 f(x) x^2 + x^2 + f(x) - 11 x - 1)$$

Sequence: A285475
Score: 13.4340
Type of gen. func.: ogf

$$-\frac{x^2 - 3 x - 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A285475
Score: 7.7347
Type of gen. func.: ogf

$$-(6 f(x) + 613) (4 f(x) x^4 - 5 f(x) x^2 + x^2 + f(x) - 3 x - 1)$$

Sequence: A285476
Score: 13.6600
Type of gen. func.: lgdogf

$$-\frac{10}{-10 x - 1}$$

Sequence: A285476
Score: 14.6357
Type of gen. func.: ogf

$$1 + 10 x - f(x)$$

Sequence: A285476
Score: 8.03529
Type of gen. func.: ogf

$$\{a(n + 2), a(0) = 1, a(1) = 10\}$$

Sequence: A285484
Score: 4.47346
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 - x + 1) (x^{18} + x^{12} + x^{10} - x^9 + x^6 + 1)}{x^{22} + x^{21} + x^{18} + x^{16} + x^{15} + x^{13} + x^{11} + x^{10} + x^7 + x^6 + x^3 + x + 1}$$

Sequence: A285502
Score: 5.39218
Type of gen. func.: ogf

$$\frac{2 x^{12} + x^{11} + 3 x^{10} + x^9 + 5 x^8 + 2 x^4 + x^3 + 3 x^2 + x + 1}{(x + 1) (x^8 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A285527
Score: 4.24394
Type of gen. func.: ogf_with_Euler_transform]

$$66 x^9 + 40 x^8 + 18 x^7$$

Sequence: A285527
Score: 5.46167
Type of gen. func.: ogf

$$-(f(x) - x - 1)^3$$

Sequence: A285540
Score: 8.22196
Type of gen. func.: ogf

$$\frac{110 x^2 - 10 x - 1}{(x - 1) (10 x + 1) (10 x - 1) (10 x^2 - 1)}$$

Sequence: A285541
Score: 8.21182
Type of gen. func.: ogf

$$\frac{11 x^2 - x - 1}{(x - 1) (10 x - 1) (x + 1) (10 x^2 - 1)}$$

Sequence: A285542
Score: 10.3169
Type of gen. func.: ogf

$$\frac{6 x^2 - 2 x - 1}{(x - 1) (2 x + 1) (2 x - 1) (2 x^2 - 1)}$$

Sequence: A285543
Score: 10.0808
Type of gen. func.: ogf

$$\frac{3 x^2 - x - 1}{(x - 1) (2 x - 1) (x + 1) (2 x^2 - 1)}$$

Sequence: A285551
Score: 5.32320
Type of gen. func.: ogf

$$-\frac{x^8 + x^7 + 2 x^6 + 3 x^5 + 7 x^4 + 3 x^3 + 6 x^2 + 2 x + 1}{(x^3 - 2 x^2 + 3 x - 1) (x^6 + 3 x^5 + 5 x^4 + 5 x^3 + 5 x^2 + 3 x + 1)}$$

Sequence: A285554
Score: 8.71369
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^6 + x^4 - x^2 - 2}{-x^8 - x^6 - x^4 - x^2 - 1}$$

Sequence: A285560
Score: 4.13394
Type of gen. func.: ogf

$$(10000 x^{11} - 10000 x^{10} - 100 x^9 + 100 x^8 + 1100 x^4 - 100 x^3 + 100 x^2 - 10 x - 1) \Big/ ((x - 1) (10 x + 1) (10 x - 1) (10 x^2 - 1) (10 x^2 + 1))$$

Sequence: A285563
Score: 5.20956
Type of gen. func.: ogf

$$\frac{128 x^{11} - 64 x^{10} - 128 x^9 + 64 x^8 + 6 x^4 - 2 x^3 + x^2 - x - 1}{(x - 1) (2 x - 1) (x + 1) (2 x^2 - 1) (2 x^2 + 1)}$$

Sequence: A285612
Score: 10.9538
Type of gen. func.: ogf

$$\frac{10 x^4 - x^2 + 1}{(x - 1) (10 x^2 - 1)}$$

Sequence: A285612
Score: 4.96573
Type of gen. func.: ogf

$$\{a(n+5) - a(n+4) - 10\, a(n+3) + 10\, a(n+2),\ a(0) = 1,\ a(1) = 1,\ a(2) = 10,\ a(3) = 10,\ a(4) = 110\}$$

Sequence: A285612
Score: 6.20716
Type of gen. func.: ogf

$$(11 f(x) + 18) (10 f(x) x^3 - 10 x^4 - 10 f(x) x^2 - f(x) x + x^2 + f(x) - 1)$$

Sequence: A285613
Score: 4.63553
Type of gen. func.: ogf

$$\{a(n+5) - 10\, a(n+4) - 10\, a(n+3) + 100\, a(n+2),\ a(0) = 1,\ a(1) = 10,\ a(2) = 10,\ a(3) = 100,\ a(4) = 1100\}$$

Sequence: A285613
Score: 5.52698
Type of gen. func.: ogf

$$-(11 f(x) - 18) (100 f(x) x^3 - 1000 x^4 - 10 f(x) x^2 - 10 f(x) x + 100 x^2 + f(x) - 1)$$

Sequence: A285613
Score: 9.70955
Type of gen. func.: ogf

$$\frac{1000 x^4 - 100 x^2 + 1}{(10 x - 1) (10 x^2 - 1)}$$

Sequence: A285623
Score: 6.49891

Type of gen. func.: ogf

$$-\frac{2x^{19}-2x^{11}-3x^{5}-x^{4}+2x^{3}-3x-1}{(x^{4}+1)(x+1)(x-1)^{2}}$$

Sequence: A285640
Score: 4.38951
Type of gen. func.: ogf

$$(x^{16}-2x^{15}+x^{14}-x^{12}+2x^{11}-3x^{10}+3x^{9}-3x^{8}+2x^{7}-x^{6}+x^{4}-2x^{3}+3x^{2}-4x+2) \Big/ ((x+1)(x^{2}+1)(x^{8}+1)(x^{4}+1)(x-1)^{3})$$

Sequence: A285643
Score: 7.33072
Type of gen. func.: ogf

$$-\frac{1000x^{8}-10x^{6}-1000x^{5}-90x^{3}+100x^{2}-10x-1}{(x+1)(x-1)(10x+1)(10x-1)}$$

Sequence: A285644
Score: 6.77837
Type of gen. func.: ogf

$$-\frac{100000x^{8}-100000x^{6}-100x^{5}+90x^{3}+x^{2}-x-1}{(x+1)(x-1)(10x+1)(10x-1)}$$

Sequence: A285645
Score: 9.25509
Type of gen. func.: ogf

$$-\frac{8x^{8}-2x^{6}-8x^{5}-2x^{3}+4x^{2}-2x-1}{(x-1)(2x+1)(2x-1)(x+1)}$$

Sequence: A285646
Score: 8.60277
Type of gen. func.: ogf

$$-\frac{32 x^8 - 32 x^6 - 4 x^5 + 2 x^3 + x^2 - x - 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A285647
Score: 6.24168
Type of gen. func.: ogf

$$-\frac{1100 x^7 - 100 x^6 - 1011 x^5 + x^4 - 90 x^3 + 100 x^2 - 10 x - 1}{(x + 1) (x - 1) (10 x + 1) (10 x - 1)}$$

Sequence: A285648
Score: 5.85012
Type of gen. func.: ogf

$$-\frac{110000 x^7 - 10000 x^6 - 110100 x^5 + 10000 x^4 + 90 x^3 + x^2 - x - 1}{(x + 1) (x - 1) (10 x + 1) (10 x - 1)}$$

Sequence: A285649
Score: 7.56039
Type of gen. func.: ogf

$$-\frac{12 x^7 - 4 x^6 - 11 x^5 + x^4 - 2 x^3 + 4 x^2 - 2 x - 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A285650
Score: 7.37345
Type of gen. func.: ogf

$$-\frac{48 x^7 - 16 x^6 - 52 x^5 + 16 x^4 + 2 x^3 + x^2 - x - 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A285659

Score: 4.95605
Type of gen. func.: ogf

$$-\frac{(x+1)(x^{19}-x^{18}+x^{16}-x^{15}-x^{9}-x^{8}-x^{6}-x^{5}-x^{3}-x-1)}{(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A285665
Score: 7.80568
Type of gen. func.: ogf

$$-\frac{2x^{6}+3x^{5}+x^{2}-x-2}{(x-1)(x+1)(x^{2}-x+1)(2x^{3}+2x^{2}-1)}$$

Sequence: A285675
Score: 13.1564
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^{2}-3x-2}{-x^{4}+2x^{2}-1}$$

Sequence: A285766
Score: 10.6721
Type of gen. func.: ogf

$$-\frac{x^{2}(x^{3}+3x^{2}-8x+6)}{(x-1)^{3}}$$

Sequence: A285766
Score: 10.8125
Type of gen. func.: lgdogf

$$-\frac{6x^{2}-10x+10}{x^{4}+2x^{3}-11x^{2}+14x-6}$$

Sequence: A285766
Score: 4.44190
Type of gen. func.: ogf

$$\{(50 n^2 - 15 n - 35) a(n + 1) + (-73 n^2 + 172 n + 210) a(n + 2) + (23 n^2 - 103 n - 126) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 6\}$$

Sequence: A285775
Score: 6.41191
Type of gen. func.: ogf

$$-\frac{100 x^7 - 100 x^6 - x^5 + x^4 - 100 x^3 + 100 x^2 - 10 x - 1}{(x + 1) (x - 1) (10 x + 1) (10 x - 1)}$$

Sequence: A285776
Score: 5.87758
Type of gen. func.: ogf

$$-\frac{100000 x^7 - 10000 x^6 - 100000 x^5 + 10000 x^4 - 10 x^3 + x^2 - x - 1}{(x + 1) (x - 1) (10 x + 1) (10 x - 1)}$$

Sequence: A285777
Score: 7.71628
Type of gen. func.: ogf

$$-\frac{4 x^7 - 4 x^6 - x^5 + x^4 - 4 x^3 + 4 x^2 - 2 x - 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A285778
Score: 7.37345
Type of gen. func.: ogf

$$-\frac{32 x^7 - 16 x^6 - 32 x^5 + 16 x^4 - 2 x^3 + x^2 - x - 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A285794
Score: 12.3849
Type of gen. func.: ogf

$$\frac{x^2 - x - 1}{3 x^3 + 2 x^2 + x - 1}$$

Sequence: A285794
Score: 6.56937
Type of gen. func.: ogf

$$(497 f(x) - 508) (3 f(x) x^3 + 2 f(x) x^2 + f(x) x - x^2 - f(x) + x + 1)$$

Sequence: A285794
Score: 6.74534
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 2 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 2, a(2) = 3\}$$

Sequence: A285794
Score: 8.12342
Type of gen. func.: lgdogf

$$- \frac{3 x^4 - 6 x^3 - 12 x^2 - 2 x - 2}{3 x^5 - x^4 - 4 x^3 - 4 x^2 + 1}$$

Sequence: A285795
Score: 4.27563
Type of gen. func.: ogf

$$\{(n^3 + 7 n^2 + 14 n + 8) a(n) + (-2 n^2 - 11 n - 13) a(n + 1) + (n + 3) a(n + 2),$$

$$a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A285834

Score: 6.73222
Type of gen. func.: ogf

$$-\frac{16 x^{12} - 28 x^{10} + 6 x^{8} + 4 x^{6} - x^{4} - 6 x^{3} - 4 x^{2} + 3 x + 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1) (2 x^{2} - 1)}$$

Sequence: A285835
Score: 6.14709
Type of gen. func.: ogf

$$-\frac{256 x^{12} - 448 x^{10} + 192 x^{8} + 16 x^{6} - 16 x^{4} - 6 x^{3} - x^{2} + 3 x + 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1) (2 x^{2} - 1)}$$

Sequence: A285841
Score: 7.11515
Type of gen. func.: ogf

$$-\frac{100 x^{6} - x^{4} - 110 x^{3} - 100 x^{2} + 11 x + 1}{(x + 1) (x - 1) (10 x + 1) (10 x - 1) (10 x^{2} - 1)}$$

Sequence: A285842
Score: 6.66863
Type of gen. func.: ogf

$$-\frac{10000 x^{6} - 10000 x^{4} - 110 x^{3} - x^{2} + 11 x + 1}{(x + 1) (x - 1) (10 x + 1) (10 x - 1) (10 x^{2} - 1)}$$

Sequence: A285869
Score: 11.0203
Type of gen. func.: ogf

$$\frac{x (x^{3} - x^{2} + x + 1)}{(x^{2} + 1) (x + 1) (x - 1)^{2}}$$

Sequence: A285870
Score: 10.2415
Type of gen. func.: ogf

$$\frac{x^2 (x^4 - x^3 + x^2 + 1)}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A285872
Score: 9.10276
Type of gen. func.: ogf

$$\frac{x (x^5 - x^4 + x^3 + x^2 + x + 1)}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A285880
Score: 5.15266
Type of gen. func.: ogf

$$- \frac{x^6 + 2 x^5 + 3 x^4 + 4 x^3 - 5 x^2 - 2 x - 7}{x^7 + x^6 + 3 x^5 + x^4 - 5 x^3 - 3 x^2 - 7 x + 1}$$

Sequence: A285927
Score: 19.1412
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-3 x - 3}{-x^3 + 1}$$

Sequence: A285928
Score: 13.9167
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{5 x^3 + 5 x^2 + 5 x + 5}{5}$$

$$x - 1$$

Sequence: A285932
Score: 12.6889
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-5 x^{3} - 5 x^{2} - 5 x - 5}{x^{5} - 1}$$

Sequence: A285945
Score: 7.11515
Type of gen. func.: ogf

$$-\frac{100 x^{6} - x^{4} - 110 x^{3} - 100 x^{2} + 11 x + 1}{(x + 1) (x - 1) (10 x + 1) (10 x - 1) (10 x^{2} - 1)}$$

Sequence: A285946
Score: 6.66863
Type of gen. func.: ogf

$$-\frac{10000 x^{6} - 10000 x^{4} - 110 x^{3} - x^{2} + 11 x + 1}{(x + 1) (x - 1) (10 x + 1) (10 x - 1) (10 x^{2} - 1)}$$

Sequence: A285955
Score: 6.49966
Type of gen. func.: ogf

$$-\frac{6 x (x - 1) (x^{4} + 11 x^{3} + 27 x^{2} + 11 x + 1)}{(x^{2} + 2 x - 1) (x^{2} - 2 x - 1) (x^{2} + 14 x - 1) (x^{2} - 14 x - 1)}$$

Sequence: A285956
Score: 8.51307
Type of gen. func.: ogf

$$-\frac{2 x^4 (17 x^3 + 3 x^2 + 3 x + 1)}{(x + 1)^3 (x - 1)^5}$$

Sequence: A285956
Score: 9.18076
Type of gen. func.: lgdogf

$$-\frac{-85 x^4 - 52 x^3 - 78 x^2 - 20 x - 5}{-17 x^5 - 3 x^4 + 14 x^3 + 2 x^2 + 3 x + 1}$$

Sequence: A285984
Score: 8.22644
Type of gen. func.: ogf

$$-\frac{22 x (5 x^2 + 12 x + 5)}{(x - 1) (x^4 - 970 x^2 + 1)}$$

Sequence: A285985
Score: 5.86669
Type of gen. func.: ogf

$$-\frac{9 x (x^6 + 24 x^5 + 387 x^4 + 864 x^3 + 387 x^2 + 24 x + 1)}{(x - 1) (x^2 + 6 x + 1) (x^2 - 6 x + 1) (x^2 - 34 x + 1) (x^2 + 34 x + 1)}$$

Sequence: A285988
Score: 8.70661
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^4 - 7 x^3 - 12 x^2 - 7 x - 2}{x^6 - 3 x^4 + 3 x^2 - 1}$$

Sequence: A285990

Score: 6.13115
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^{6} - 15 x^{5} - 46 x^{4} - 60 x^{3} - 46 x^{2} - 15 x - 2}{-x^{8} + 4 x^{6} - 6 x^{4} + 4 x^{2} - 1}$$

Sequence: A285998
Score: 12.7958
Type of gen. func.: lgdogf

$$-\frac{-18 x^{2} - 10 x - 4}{-3 x^{3} - x^{2} + 3 x + 1}$$

Sequence: A285998
Score: 4.24384
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (-5 - 3 n) a(n + 3) + (12 + n) a(n + 2)$$
$$+ (21 + 3 n) a(n + 1), a(0) = 1, a(1) = 4, a(2) = 7, a(3) = 16\}$$

Sequence: A285998
Score: 9.93559
Type of gen. func.: ogf

$$\frac{3 x + 1}{(x + 1)^{3} (x - 1)^{4}}$$

Sequence: A286032
Score: 5.95842
Type of gen. func.: ogf

$$\{(n + 3) a(n + 1) + a(n + 3) - a(n + 2), a(0) = 1, a(1) = 1, a(2) = -1\}$$

Sequence: A286033
Score: 5.71278
Type of gen. func.: ogf

$$-4 f(x)^2 x^3 - 7 f(x)^2 x^2 - 2 f(x)^2 x - 8 f(x) x^2 + f(x)^2 - 6 f(x) x - x^2 + 2 f(x) - 6 x$$

Sequence: A286035
Score: 6.46170
Type of gen. func.: ogf

$$-\frac{495 x (37 x^2 + 388 x + 37)}{(x - 1) (x^2 + 970 x + 1) (x^2 - 970 x + 1)}$$

Sequence: A286062
Score: 12.8971
Type of gen. func.: ogf

$$-\frac{2 x^2 + x - 2}{x^3 - x^2 - 2 x + 1}$$

Sequence: A286062
Score: 6.72412
Type of gen. func.: ogf

$$-(28 f(x) - 47) (f(x) x^3 - f(x) x^2 - 2 f(x) x + 2 x^2 + f(x) + x - 2)$$

Sequence: A286062
Score: 7.02431
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 3, a(2) = 6}

Sequence: A286062
Score: 8.55134
Type of gen. func.: lgdogf

$$-\frac{2 x^4 + 2 x^3 - 3 x^2 + 3}{}$$

$$2 x^5 - x^4 - 7 x^3 + 2 x^2 + 5 x - 2$$

Sequence: A286175
Score: 10.1774
Type of gen. func.: egf]

$$- \frac{5 x^3 - 11 x^2 + 2 x + 8}{2 (x - 1)^3}$$

Sequence: A286175
Score: 3.63479
Type of gen. func.: ogf

$$\{(837 n^3 + 1739 n^2 + 902 n) a(n)$$

$$+ (1466 n^3 + 9441 n^2 + 17727 n + 9804) a(n + 1)$$

$$+ (-1466 n^2 - 4414 n - 2964) a(n + 2), a(0) = 4, a(1) = 13\}$$

Sequence: A286175
Score: 5.56577
Type of gen. func.: egf]

$$(-12017 + 21088 f(x))$$

$$(2 f(x) x^3 - 6 f(x) x^2 + 5 x^3 + 6 f(x) x - 11 x^2 - 2 f(x) + 2 x + 8)$$

Sequence: A286175
Score: 9.37392
Type of gen. func.: lgdegf]

$$- \frac{4 x^2 - 18 x + 26}{5 x^4 - 16 x^3 + 13 x^2 + 6 x - 8}$$

Sequence: A286182
Score: 7.05821

Type of gen. func.: ogf

$$-\frac{3x^5+5x^4+8x^3-6x^2+5x-3}{(x-1)^2(x^2+2x-1)^2}$$

Sequence: A286183
Score: 6.62059
Type of gen. func.: ogf

$$-\frac{2x^5-9x^4+15x^3-12x^2+9x-3}{(x-1)^2(x^2-3x+1)^2}$$

Sequence: A286184
Score: 7.37485
Type of gen. func.: ogf

$$-\frac{(3x-2)(8x^3-16x^2+13x-3)}{(3x-1)(2x-1)^2(x-1)^2}$$

Sequence: A286185
Score: 7.05821
Type of gen. func.: ogf

$$-\frac{x^5-3x^4+4x^3+2x^2+3x-3}{(x-1)^2(x^2+2x-1)^2}$$

Sequence: A286186
Score: 12.3563
Type of gen. func.: ogf

$$-\frac{4x^2-20x+7}{(4x-1)(x-1)^2}$$

Sequence: A286186
Score: 6.49231
Type of gen. func.: ogf

$$(2305 f(x) + 6188) (4 f(x) x^3 - 9 f(x) x^2 + 6 f(x) x + 4 x^2 - f(x) - 20 x + 7)$$

Sequence: A286186
Score: 6.72011
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 9 a(n + 1) - 4 a(n), a(0) = 7, a(1) = 22, a(2) = 73\}$$

Sequence: A286186
Score: 8.41860
Type of gen. func.: lgdogf

$$- \frac{16 x^3 - 144 x^2 + 96 x - 22}{16 x^4 - 100 x^3 + 132 x^2 - 55 x + 7}$$

Sequence: A286187
Score: 5.07265
Type of gen. func.: ogf

$$- \frac{48 x^7 - 64 x^6 + 8 x^5 - 32 x^4 + 101 x^3 - 92 x^2 + 39 x - 6}{(x - 1)^2 (4 x^3 + 2 x^2 - 5 x + 1)^2}$$

Sequence: A286188
Score: 7.37660
Type of gen. func.: ogf

$$- \frac{2 (3 x^4 + x^3 + 10 x^2 + 5 x - 3)}{(2 x^2 + 3 x - 1) (x - 1)^3}$$

Sequence: A286191

Score: 10.4503
Type of gen. func.: ogf

$$\frac{14 x^2 - 11 x + 3}{(4 x - 1) (2 x - 1) (x - 1)^2}$$

Sequence: A286191
Score: 3.66767
Type of gen. func.: ogf

$$\{(-48 n - 104) a(n + 1) + (84 n + 134) a(n + 2) + (-42 n - 55) a(n + 3)$$

$$+ (6 n + 7) a(n + 4), a(0) = 3, a(1) = 13, a(2) = 55, a(3) = 233\}$$

Sequence: A286191
Score: 5.37235
Type of gen. func.: ogf

$$(150651 f(x) + 71432)$$

$$(8 f(x) x^4 - 22 f(x) x^3 + 21 f(x) x^2 - 8 f(x) x - 14 x^2 + f(x) + 11 x - 3)$$

Sequence: A286191
Score: 6.75111
Type of gen. func.: lgdogf

$$-\frac{224 x^4 - 348 x^3 + 232 x^2 - 85 x + 13}{112 x^5 - 284 x^4 + 276 x^3 - 133 x^2 + 32 x - 3}$$

Sequence: A286264
Score: 11.9628
Type of gen. func.: ogf

$$-\frac{x^3 + x^2 - x + 3}{(x + 1) (x - 1)^3}$$

Sequence: A286264
Score: 6.60349
Type of gen. func.: ogf

$$-(11 f(x) - 15) (f(x) x^4 - 2 f(x) x^3 + x^3 + 2 f(x) x + x^2 - f(x) - x + 3)$$

Sequence: A286264
Score: 8.50965
Type of gen. func.: lgdogf

$$- \frac{-x^4 - 4 x^3 - 2 x^2 - 12 x - 5}{-x^5 - x^4 + 2 x^3 - 2 x^2 - x + 3}$$

Sequence: A286286
Score: 4.91029
Type of gen. func.: ogf

$\{(2 n + 3) a(n + 1) + (-2 n - 6) a(n + 2) + a(n + 3), a(0) = 0, a(1) = 1,$

$a(2) = 4\}$

Sequence: A286311
Score: 12.4287
Type of gen. func.: ogf

$$- \frac{x (2 x^2 - x + 1)}{(x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A286311
Score: 6.78878
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^4 - f(x) x^2 + 2 x^3 + 2 f(x) x - x^2 - f(x) + x)$$

Sequence: A286346
Score: 17.0485
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-12x-24}{x^2-1}$$

Sequence: A286350
Score: 12.4287
Type of gen. func.: ogf

$$-\frac{x(x^2-2x+2)}{(x^2-x+1)(x^2+x-1)}$$

Sequence: A286350
Score: 6.78878
Type of gen. func.: ogf

$$-(4f(x)+7)(f(x)x^4-f(x)x^2+x^3+2f(x)x-2x^2-f(x)+2x)$$

Sequence: A286350
Score: 7.76793
Type of gen. func.: lgdogf

$$-\frac{-2x^5+6x^4-8x^3+2x-2}{-x^6+2x^5-x^4-4x^3+7x^2-6x+2}$$

Sequence: A286355
Score: 5.59577
Type of gen. func.: ogf

$$(2x^{12}+x^{11}+2x^{10}+x^9+2x^8+x^7+2x^6+x^5+2x^4+x^3+2x^2+x+1) \bigg/ \left((x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2\right)$$

Sequence: A286390
Score: 10.5965
Type of gen. func.: ogf

$$-\frac{x\,(x^2 - x + 2)}{(x^2 - x + 1)\,(x^2 - x - 1)}$$

Sequence: A286390
Score: 6.30306
Type of gen. func.: ogf

$$(3\,f(x) - 13)\,(f(x)\,x^4 - 2\,f(x)\,x^3 + f(x)\,x^2 + x^3 - x^2 - f(x) + 2\,x)$$

Sequence: A286399
Score: 12.9294
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-12\,x^2 - 4\,x - 8}{x^3 + x^2 + x + 1}$$

Sequence: A286429
Score: 10.9081
Type of gen. func.: ogf

$$-\frac{x^4\,(7\,x^2 - 21\,x + 16)}{(x - 1)^3}$$

Sequence: A286429
Score: 11.2242
Type of gen. func.: lgdogf

$$-\frac{-7\,x^2 + 28\,x - 27}{-7\,x^3 + 28\,x^2 - 37\,x + 16}$$

Sequence: A286430
Score: 6.79876
Type of gen. func.: ogf

$$- \frac{2 x^4 (5 x^2 - 15 x + 18)}{(x - 1)^3}$$

Sequence: A286430
Score: 7.09436
Type of gen. func.: lgdogf

$$- \frac{-5 x^2 + 20 x - 39}{-5 x^3 + 20 x^2 - 33 x + 18}$$

Sequence: A286437
Score: 12.7036
Type of gen. func.: lgdogf

$$- \frac{-2 x^3 + 6 x + 16}{-x^4 + 2 x^3 + 2 x - 3}$$

Sequence: A286437
Score: 3.93206
Type of gen. func.: ogf

$$\{(11 n^2 + 79 n + 114) a(n + 1) + (-20 n^2 - 80 n + 36) a(n + 2)$$

$$+ (9 n^2 + 9 n - 18) a(n + 3), a(0) = 0, a(1) = 9, a(2) = 48, a(3) = 153,$$

$$a(4) = 372\}$$

Sequence: A286437
Score: 9.07399
Type of gen. func.: ogf

$$\frac{3 x (x^3 - x^2 - x - 3)}{}$$

$$(x - 1)^5$$

Sequence: A286438
Score: 5.89176
Type of gen. func.: ogf

$$-\frac{x (11 x^6 - 15 x^5 - 24 x^4 - 28 x^3 + 137 x^2 + 35 x + 4)}{(x - 1)^7}$$

Sequence: A286439
Score: 4.10117
Type of gen. func.: ogf

$$x (38 x^9 - 45 x^8 - 144 x^7 - 306 x^6 + 1674 x^5 - 770 x^4 - 1552 x^3 - 558 x^2 - 16 x - 1) / (x - 1)^9$$

Sequence: A286440
Score: 4.18075
Type of gen. func.: ogf

$$- 6 (20 x^{10} - 14 x^9 - 76 x^8 - 627 x^7 + 2379 x^6 - 789 x^5 - 4419 x^4 + 1703 x^3 + 5429 x^2 + 1343 x + 91) x / (x - 1)^{11}$$

Sequence: A286444
Score: 8.15168
Type of gen. func.: ogf

$$\frac{x (x^3 - 5 x^2 - x - 3)}{(x + 1)^2 (x - 1)^5}$$

Sequence: A286444
Score: 8.55926

Type of gen. func.: lgdogf

$$-\frac{4x^4-22x^3-18x^2-34x-10}{x^5-5x^4-2x^3+2x^2+x+3}$$

Sequence: A286445
Score: 4.12584
Type of gen. func.: ogf

$$-x(2x^{11}+5x^{10}-5x^9-22x^8-39x^7+44x^6+121x^5+188x^4+121x^3+55x^2+8x+2) \Big/ \left((x^2+x+1)(x+1)^3(x-1)^7\right)$$

Sequence: A286481
Score: 5.39486
Type of gen. func.: ogf

{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 1003062289999939142,

a(1) = 1003062299899939142, a(2) = 1003062389989939142}

Sequence: A286481
Score: 8.44856
Type of gen. func.: ogf

$$-\frac{2(501531099954969571x^2-4950000000x-501531144999969571)}{(x-1)^2(x+1)}$$

Sequence: A286507
Score: 10.3453
Type of gen. func.: ogf

$$(110f(x)-109)(10f(x)x^2-f(x)+x+1)$$

Sequence: A286507
Score: 10.9538

Type of gen. func.: lgdogf

$$-\frac{-10x^2-20x-1}{-10x^3-10x^2+x+1}$$

Sequence: A286507
Score: 11.4594
Type of gen. func.: ogf

$$\{-a(n+2)+10\,a(n),\ a(0)=1,\ a(1)=1\}$$

Sequence: A286507
Score: 17.7348
Type of gen. func.: ogf

$$-\frac{x+1}{10x^2-1}$$

Sequence: A286508
Score: 10.1363
Type of gen. func.: lgdogf

$$-\frac{-100x^2-20x-10}{-100x^3-10x^2+10x+1}$$

Sequence: A286508
Score: 11.0578
Type of gen. func.: ogf

$$\{a(n+2)-10\,a(n),\ a(0)=1,\ a(1)=10\}$$

Sequence: A286508
Score: 16.9724
Type of gen. func.: ogf

$$-\frac{10x+1}{}$$

$$10 x^2 - 1$$

Sequence: A286508
Score: 9.86235
Type of gen. func.: ogf

$$-(11 f(x) + 8) (10 f(x) x^2 - f(x) + 10 x + 1)$$

Sequence: A286519
Score: 5.05801
Type of gen. func.: ogf

$$\{a(n + 5) - 11 a(n + 4) + 10 a(n + 3), a(0) = 1, a(1) = 11, a(2) = 101, a(3) = 1111, a(4) = 11111\}$$

Sequence: A286519
Score: 5.17041
Type of gen. func.: ogf

$$-(1009801010 f(x) + 10984836901) (100 x^4 + 10 f(x) x^2 - 110 x^3 - 11 f(x) x + 10 x^2 + f(x) - 1)$$

Sequence: A286519
Score: 9.69451
Type of gen. func.: ogf

$$-\frac{100 x^4 - 110 x^3 + 10 x^2 - 1}{(10 x - 1) (x - 1)}$$

Sequence: A286521
Score: 11.9419
Type of gen. func.: ogf

$$-\frac{4 x^4 - 6 x^3 + 2 x^2 - 1}{(2 x - 1) (x - 1)}$$

Sequence: A286521
Score: 6.06426
Type of gen. func.: ogf

$$\{a(n+5) - 3\,a(n+4) + 2\,a(n+3),\ a(0) = 1,\ a(1) = 3,\ a(2) = 5,\ a(3) = 15,\ a(4) = 31\}$$

Sequence: A286521
Score: 7.05659
Type of gen. func.: ogf

$$(586\,f(x) + 6533)\,(4\,x^4 + 2\,f(x)\,x^2 - 6\,x^3 - 3\,f(x)\,x + 2\,x^2 + f(x) - 1)$$

Sequence: A286655
Score: 6.54405
Type of gen. func.: ogf

$$-x\,(x^2 + 1)\,(x^{12} + x^7 - x^5 + x^4 + x^3 - x^2 + 1) \Big/ \left((x - 1)\,(x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\right)$$

Sequence: A286716
Score: 11.0494
Type of gen. func.: ogf

$$\frac{x^2\,(x^4 + x + 1)}{(x^4 + x^3 + x^2 + x + 1)\,(x + 1)\,(x - 1)^2}$$

Sequence: A286717
Score: 10.0887
Type of gen. func.: ogf

$$\frac{x\,(x^4 - x^3 + x^2 + x + 1)}{(x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A286719
Score: 18.0359
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(3x-1)(9x-1)(7x-1)(5x-1)}$$

Sequence: A286719
Score: 9.62932
Type of gen. func.: lgdogf

$$-\frac{-4725x^4+6756x^3-2850x^2+460x-25}{-945x^5+1689x^4-950x^3+230x^2-25x+1}$$

Sequence: A286723
Score: 4.77875
Type of gen. func.: ogf

$$\{(-16n^2-88n-121)a(n+1)+(8n+26)a(n+2)-a(n+3),\ a(0)=1,\ a(1)=10,\ a(2)=131\}$$

Sequence: A286725
Score: 10.0313
Type of gen. func.: lgdegf]

$$-\frac{24x^2+72x+18}{8x^3+12x^2-6x-1}$$

Sequence: A286725
Score: 5.93154
Type of gen. func.: ogf

$$\{(-2n^2-16n-32)a(n+1)+(n+2)a(n+2),\ a(0)=1,\ a(1)=18\}$$

Sequence: A286725
Score: 8.31862
Type of gen. func.: egf]

$$-\frac{4x^2+8x+1}{(2x-1)^5}$$

Sequence: A286747
Score: 13.5618
Type of gen. func.: ogf_with_Euler_transform]

$$x^2+x^{17}\ (x-1)$$

Sequence: A286747
Score: 6.07888
Type of gen. func.: ogf

$$-x^2 (x+1) (x^2-x+1) (x^6+x^3+1) (x^6-x^3+1) \Big/ \left((x-1) (x^{18}+x^{17}+x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)\right)$$

Sequence: A286770
Score: 7.88898
Type of gen. func.: ogf

$$-\frac{100x^6-101x^4-100x^3+101x^2-10x-1}{(x+1)(x-1)(10x+1)(10x-1)}$$

Sequence: A286771
Score: 6.86522
Type of gen. func.: ogf

$$-\frac{10000x^6-10100x^4-10x^3+101x^2-x-1}{(x+1)(x-1)(10x+1)(10x-1)}$$

Sequence: A286772
Score: 10.1227
Type of gen. func.: ogf

$$-\frac{4x^6-5x^4-4x^3+5x^2-2x-1}{(x-1)(2x+1)(2x-1)(x+1)}$$

Sequence: A286773
Score: 9.25151
Type of gen. func.: ogf

$$-\frac{8x^5-4x^4-8x^3+3x^2+x-1}{(x-1)(2x-1)(x+1)}$$

Sequence: A286778
Score: 11.4087
Type of gen. func.: lgdogf

$$-\frac{-48x^3+16x^2+34x-11}{-16x^4+20x^3-5x+1}$$

Sequence: A286778
Score: 13.0864
Type of gen. func.: ogf

$$\frac{2x(2x+1)}{(4x-1)(x-1)(2x-1)^2}$$

Sequence: A286778
Score: 4.36214
Type of gen. func.: ogf

$$\{(16n+56)a(n+1)+(-28n-90)a(n+2)+(14n+39)a(n+3)$$
$$+(-2n-5)a(n+4),\ a(0)=0,\ a(1)=2,\ a(2)=22,\ a(3)=142\}$$

Sequence: A286778
Score: 6.40199
Type of gen. func.: ogf

$$-(10341 f(x) + 5186)\,(16 f(x) x^4 - 36 f(x) x^3 + 28 f(x) x^2 - 9 f(x) x - 4 x^2 + f(x) - 2 x)$$

Sequence: A286810
Score: 12.3036
Type of gen. func.: ogf

$$-\frac{3 x^3 - 15 x^2 + x + 1}{(x^2 - 7 x + 1) (x - 1)}$$

Sequence: A286810
Score: 6.37964
Type of gen. func.: ogf

$\{-a(n + 4) + 8 a(n + 3) - 8 a(n + 2) + a(n + 1), a(0) = 1, a(1) = 9, a(2) = 49,$

$a(3) = 324\}$

Sequence: A286810
Score: 6.72854
Type of gen. func.: ogf

$$(10035 f(x) + 30238)\,(f(x) x^3 - 8 f(x) x^2 + 3 x^3 + 8 f(x) x - 15 x^2 - f(x) + x + 1)$$

Sequence: A286810
Score: 7.55484
Type of gen. func.: lgdogf

$$-\frac{9 x^4 - 46 x^3 + 124 x^2 - 46 x + 9}{3 x^6 - 39 x^5 + 145 x^4 - 130 x^3 + 15 x^2 + 7 x - 1}$$

```
------------------------------------------------------------------------------

Sequence:  A286812
Score: 14.6410
Type of gen. func.: ogf


                                   209 x - 104
                              - -----------------
                                (2 x - 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A286812
Score: 7.55166
Type of gen. func.: ogf


                                     2
         (107 f(x) - 21737) (2 f(x) x  - 3 f(x) x + f(x) + 209 x - 104)



------------------------------------------------------------------------------

Sequence:  A286812
Score: 8.34195
Type of gen. func.: ogf


           {-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 104, a(1) = 103}



------------------------------------------------------------------------------

Sequence:  A286812
Score: 9.19754
Type of gen. func.: lgdogf


                                    2
                              -418 x  + 416 x - 103
                        - ------------------------------
                                3        2
                          -418 x  + 835 x  - 521 x + 104



------------------------------------------------------------------------------

Sequence:  A286813
Score: 9.34406
Type of gen. func.: ogf_with_Euler_transform]


                                     8    7
                                 -2 x  - x  - 1
                               - ---------------
                                  9    8
                                 x  + x  + x + 1



------------------------------------------------------------------------------

Sequence:  A286814
Score: 10.4245
```

Type of gen. func.: ogf

$$\frac{3 x^3 + 2 x^2 - 5 x + 2}{(x^2 + 2 x - 1)^2}$$

Sequence: A286814
Score: 5.73345
Type of gen. func.: ogf

$$(76 f(x) - 123)\,(f(x) x^4 + 4 f(x) x^3 + 2 f(x) x^2 - 3 x^3 - 4 f(x) x - 2 x^2 + f(x) + 5 x - 2)$$

Sequence: A286814
Score: 8.27508
Type of gen. func.: lgdogf

$$- \frac{-3 x^4 + 2 x^3 + 6 x^2 - 2 x - 3}{-3 x^5 - 8 x^4 + 4 x^3 + 10 x^2 - 9 x + 2}$$

Sequence: A286823
Score: 4.03471
Type of gen. func.: ogf

$$\{-a(n + 4) + 10 a(n + 3) + a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 10, a(2) = 111, a(3) = 1110, a(4) = 11101, a(5) = 111110\}$$

Sequence: A286823
Score: 8.83551
Type of gen. func.: ogf

$$\frac{100 x^5 - 10 x^4 + 10 x^2 + 1}{(x - 1) (10 x - 1) (x + 1)}$$

Sequence: A286824
Score: 3.88400

Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3) - 100 a(n + 2) + 100 a(n + 1), a(0) = 1, a(1) = 1,$$
$$a(2) = 111, a(3) = 111, a(4) = 10111, a(5) = 11111\}$$

Sequence: A286824
Score: 7.95295
Type of gen. func.: ogf

$$\frac{1000 x^{5} - 1000 x^{4} + 10 x^{2} + 1}{(x - 1) (10 x + 1) (10 x - 1)}$$

Sequence: A286832
Score: 13.9601
Type of gen. func.: ogf

$$-(10 f(x) x - f(x) + 1)^{3}$$

Sequence: A286832
Score: 5.96585
Type of gen. func.: ogf

$$\frac{90000 x^{8} - 10000000 x^{6} + 1}{(10 x - 1) (10000 x^{8} + 10000000 x^{6} - 1)}$$

Sequence: A286850
Score: 8.39356
Type of gen. func.: ogf

$$- \frac{2 (4 x^{5} + 4 x^{4} - 2 x^{3} - x^{2} - 2 x - 1)}{8 x^{6} - 4 x^{4} - 2 x^{3} - 2 x^{2} + 1}$$

Sequence: A286864
Score: 5.81671
Type of gen. func.: ogf

$$\frac{11090000 x^{8} + 21100 x^{4} + 11}{(10 x - 1) (11110000 x^{8} - 10100 x^{4} - 11)}$$

Sequence: A286879
Score: 5.97602
Type of gen. func.: ogf

$$- \frac{2 x^{8} - x^{7} - 29 x^{6} + 75 x^{5} - 94 x^{4} + 67 x^{3} - 28 x^{2} + 7 x - 2}{(x - 1)^{6}}$$

Sequence: A286887
Score: 9.47335
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^{4} - x^{2} + x - 2)}{x^{6} - x^{4} - x^{2} - x + 1}$$

Sequence: A286902
Score: 8.14660
Type of gen. func.: ogf

$$\frac{15 x^{4} + 6 x^{3} + x^{2} - x - 1}{5 x^{5} + 4 x^{4} + 3 x^{3} + 2 x^{2} + x - 1}$$

Sequence: A286910
Score: 12.8970
Type of gen. func.: ogf

$$\frac{2 x^{2} + 2 x - 3}{x^{3} + 2 x^{2} + x - 1}$$

Sequence: A286910
Score: 6.66707
Type of gen. func.: ogf

$$-(31 f(x) - 123) (f(x) x^3 + 2 f(x) x^2 + f(x) x - 2 x^2 - f(x) - 2 x + 3)$$

Sequence: A286910
Score: 7.02424
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 2 a(n + 1) + a(n), a(0) = 3, a(1) = 1, a(2) = 5\}$$

Sequence: A286910
Score: 8.19495
Type of gen. func.: lgdogf

$$-\frac{-2 x^4 - 4 x^3 + 7 x^2 + 8 x + 1}{-2 x^5 - 6 x^4 - 3 x^3 + 6 x^2 + 5 x - 3}$$

Sequence: A286911
Score: 11.3000
Type of gen. func.: ogf

$$-\frac{(2 x + 1) (x - 1)}{2 x^3 - 3 x^2 - 6 x + 1}$$

Sequence: A286911
Score: 5.99393
Type of gen. func.: ogf

$$(911 f(x) - 266) (2 f(x) x^3 - 3 f(x) x^2 - 6 f(x) x + 2 x^2 + f(x) - x - 1)$$

Sequence: A286911
Score: 6.10002
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 7, a(2) = 43\}$$

Sequence: A286911
Score: 7.03369
Type of gen. func.: lgdogf

$$-\frac{-4x^4+4x^3-9x^2-2x-7}{-4x^5+8x^4+11x^3-11x^2-5x+1}$$

Sequence: A286930
Score: 5.52260
Type of gen. func.: ogf

$$-\frac{72x(x+1)(x^4+56x^3+246x^2+56x+1)}{(x-1)^7}$$

Sequence: A286938
Score: 8.21391
Type of gen. func.: ogf

$$-\frac{2x^4-3x^3+x^2-x+2}{(x-1)(x^4-2x^3-x+1)}$$

Sequence: A286945
Score: 10.5396
Type of gen. func.: ogf

$$-\frac{x^4+x^3+x^2+1}{(x^2-x+1)(x^3+2x^2+x-1)}$$

Sequence: A286952
Score: 15.4804
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x+1}{}$$

$$x^2 + x + 1$$

Sequence: A286953
Score: 12.1213
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3x^2 + 2x + 1}{x^3 + x^2 + x + 1}$$

Sequence: A286954
Score: 4.28848
Type of gen. func.: ogf

$$-\frac{x(14x^{12} - 11x^9 - 20x^8 + 9x^7 + 16x^6 + 7x^5 - 5x^3 - 4x^2 - 3x - 2)}{x^{14} - x^{11} - 2x^{10} + x^9 + 2x^8 + x^7 - x^5 - x^4 - x^3 - x^2 + 1}$$

Sequence: A286970
Score: 14.9845
Type of gen. func.: ogf

$$-\frac{1}{x^{11} + x^7 + x^5 + x^3 + x^2 - 1}$$

Sequence: A286970
Score: 8.12244
Type of gen. func.: lgdogf

$$-\frac{11x^{10} + 7x^6 + 5x^4 + 3x^2 + 2x}{x^{11} + x^7 + x^5 + x^3 + x^2 - 1}$$

Sequence: A286983
Score: 11.0274
Type of gen. func.: ogf

$$\frac{3x^2+x-1}{(x+1)(x^2-3x+1)(x^2+x-1)}$$

Sequence: A286985
Score: 6.60594
Type of gen. func.: ogf

$$-\frac{3x^5-19x^4+70x^3-74x^2+35x-7}{(x-1)^2(x^2+2x-1)^2}$$

Sequence: A286986
Score: 5.08949
Type of gen. func.: ogf

$$(125400 f(x) - 77813) (f(x) x^4 - 6 f(x) x^3 + 11 f(x) x^2 + 2 x^3 - 6 f(x) x + 3 x^2 + f(x) + 3 x - 3)$$

Sequence: A286986
Score: 7.48156
Type of gen. func.: lgdogf

$$-\frac{-2x^4-12x^3-3x^2+27x-15}{-2x^5+3x^4+4x^3+9x^2-12x+3}$$

Sequence: A286986
Score: 9.59174
Type of gen. func.: ogf

$$-\frac{2x^3+3x^2+3x-3}{(x^2-3x+1)^2}$$

Sequence: A287057
Score: 10.9235

Type of gen. func.: ogf

$$\frac{x^3 - 3 x^2 - 3 x - 3}{(x + 1) (x - 1)^3}$$

Sequence: A287057
Score: 5.79784
Type of gen. func.: ogf

$$-(6832 f(x) - 60517)$$

$$(f(x) x^4 - 2 f(x) x^3 - x^3 + 2 f(x) x + 3 x^2 - f(x) + 3 x + 3)$$

Sequence: A287057
Score: 8.37466
Type of gen. func.: lgdogf

$$-\frac{x^4 - 4 x^3 - 12 x^2 - 24 x - 9}{x^5 - 3 x^4 - 4 x^3 + 3 x + 3}$$

Sequence: A287062
Score: 3.9239
Type of gen. func.: ogf

$$-(6589186900 f(x) - 1470369131) (2 f(x) x^4 + 21 f(x) x^3 + 31 f(x) x^2 + 8 x^3$$

$$+ 11 f(x) x + 63 x^2 - f(x) + 62 x + 11)$$

Sequence: A287062
Score: 7.80052
Type of gen. func.: ogf

$$-\frac{8 x^3 + 63 x^2 + 62 x + 11}{(x + 1) (2 x^3 + 19 x^2 + 12 x - 1)}$$

Sequence: A287063
Score: 6.17607
Type of gen. func.: ogf

$$-\frac{32 x^5 - 92 x^4 + 126 x^3 - 81 x^2 + 24 x - 3}{(4 x - 1) (2 x - 1)^2 (x - 1)^3}$$

Sequence: A287082
Score: 13.8064
Type of gen. func.: ogf

$$-\frac{2 (8 x + 3)}{8 x^2 + 6 x - 1}$$

Sequence: A287082
Score: 7.21699
Type of gen. func.: ogf

$$(51 f(x) + 32) (8 f(x) x^2 + 6 f(x) x - f(x) + 16 x + 6)$$

Sequence: A287082
Score: 7.65175
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) - 8 a(n), a(0) = 6, a(1) = 52\}$$

Sequence: A287082
Score: 9.07279
Type of gen. func.: lgdogf

$$-\frac{64 x^2 + 48 x + 26}{64 x^3 + 72 x^2 + 10 x - 3}$$

Sequence: A287090
Score: 10.5133
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^2 - 4x - 1}{-x^5 + 5x^4 - 10x^3 + 10x^2 - 5x + 1}$$

Sequence: A287091
Score: 24.6428
Type of gen. func.: ogf

$$\frac{1}{(x^2 + x + 1)(x^6 + x^3 + 1)(x^{18} + x^9 + 1)(x - 1)^2}$$

Sequence: A287120
Score: 6.04272
Type of gen. func.: ogf

$$-\frac{x^7 - x^6 + x^5 - 5x^4 - 7x^3 + x^2 + 5x + 1}{(x^3 - x^2 - 3x + 1)(x^6 + 3x^4 - x^2 - 1)}$$

Sequence: A287128
Score: 8.42212
Type of gen. func.: ogf

$$-\frac{4x^4 - 3x^3 + x^2 - 3x + 2}{(x - 1)(2x^4 - 2x^3 - 2x + 1)}$$

Sequence: A287129
Score: 6.62952
Type of gen. func.: ogf

$$\frac{1000x^9 - 10x^7 - 1100x^6 + 111x^4 + 100x^3 - 101x^2 + 10x + 1}{(x + 1)(x - 1)(10x + 1)(10x - 1)}$$

Sequence: A287130

Score: 5.76985
Type of gen. func.: ogf

$$\frac{1000000 x^9 - 1000000 x^7 - 11000 x^6 + 11100 x^4 + 10 x^3 - 101 x^2 + x + 1}{(x + 1) (x - 1) (10 x + 1) (10 x - 1)}$$

Sequence: A287131
Score: 8.36676
Type of gen. func.: ogf

$$\frac{8 x^9 - 2 x^7 - 12 x^6 + 7 x^4 + 4 x^3 - 5 x^2 + 2 x + 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A287132
Score: 7.71610
Type of gen. func.: ogf

$$\frac{64 x^9 - 64 x^7 - 24 x^6 + 28 x^4 + 2 x^3 - 5 x^2 + x + 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A287143
Score: 14.3253
Type of gen. func.: lgdogf

$$- \frac{7 x^3 + 25 x^2 + 14 x + 4}{x^4 + 3 x^3 - 3 x - 1}$$

Sequence: A287143
Score: 9.38115
Type of gen. func.: ogf

$$- \frac{x (x^2 + 3 x + 1)}{(x + 1)^4 (x - 1)^5}$$

Sequence: A287169
Score: 4.77351
Type of gen. func.: ogf

$$-(6004 f(x) + 50561) (4 f(x) x^4 - 21 f(x) x^3 + 12 x^4 + 27 f(x) x^2 - 42 x^3 - 11 f(x) x + 27 x^2 + f(x) - 1)$$

Sequence: A287169
Score: 8.66913
Type of gen. func.: ogf

$$-\frac{12 x^4 - 42 x^3 + 27 x^2 - 1}{(x - 1) (4 x^3 - 17 x^2 + 10 x - 1)}$$

Sequence: A287185
Score: 7.32139
Type of gen. func.: ogf

$$-\frac{x^7 + 5 x^6 + 4 x^5 - x^2 - 4 x - 2}{(x - 1) (x^3 + 3 x^2 - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A287190
Score: 8.02521
Type of gen. func.: ogf

$$-\frac{1100 x^6 - 111 x^4 - 100 x^3 + 101 x^2 - 10 x - 1}{(x + 1) (x - 1) (10 x + 1) (10 x - 1)}$$

Sequence: A287191
Score: 6.86522
Type of gen. func.: ogf

$$-\frac{11000 x^6 - 11100 x^4 - 10 x^3 + 101 x^2 - x - 1}{(x + 1) (x - 1) (10 x + 1) (10 x - 1)}$$

Sequence: A287192
Score: 9.99929
Type of gen. func.: ogf

$$-\frac{12 x^6 - 7 x^4 - 4 x^3 + 5 x^2 - 2 x - 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A287193
Score: 9.51693
Type of gen. func.: ogf

$$-\frac{24 x^6 - 28 x^4 - 2 x^3 + 5 x^2 - x - 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A287194
Score: 8.86738
Type of gen. func.: ogf

$$\frac{1100 x^5 - 11 x^3 - 100 x^2 + 11 x + 1}{(x + 1) (x - 1) (10 x + 1) (10 x - 1)}$$

Sequence: A287195
Score: 11.2430
Type of gen. func.: lgdogf

$$-\frac{-12 x^3 - 9 x^2 - 3 x - 3}{-2 x^4 - x^3 + 2 x + 1}$$

Sequence: A287195
Score: 11.8948
Type of gen. func.: ogf

$$-\frac{2 x + 1}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A287196
Score: 8.58989
Type of gen. func.: ogf

$$\frac{1100 x^{5} - 1100 x^{3} - x^{2} + 11 x + 1}{(x + 1) (x - 1) (10 x + 1) (10 x - 1)}$$

Sequence: A287197
Score: 11.1311
Type of gen. func.: ogf

$$\frac{12 x^{5} - 3 x^{3} - 4 x^{2} + 3 x + 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A287199
Score: 10.3910
Type of gen. func.: ogf

$$\frac{12 x^{5} - 12 x^{3} - x^{2} + 3 x + 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A287271
Score: 7.48571
Type of gen. func.: ogf

$$\frac{x (x^{19} - 2 x^{15} - 2 x^{10} - 2 x^{9} - 2 x^{4} - 3 x^{3} - 2 x^{2} - 2 x - 1)}{(x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A287275
Score: 11.2243
Type of gen. func.: ogf

$$- \frac{x^{3} - 3 x + 1}{(x - 1) (x^{3} - x^{2} - 3 x + 1)}$$

Sequence: A287275
Score: 5.91205
Type of gen. func.: ogf

$$(12 f(x) + 11)\,(f(x) x^4 - 2 f(x) x^3 - 2 f(x) x^2 + x^3 + 4 f(x) x - f(x) - 3 x + 1)$$

Sequence: A287276
Score: 6.63592
Type of gen. func.: ogf

$$-\frac{x^7 + x^5 - 6 x^4 - x^2 + 4 x - 1}{x^8 - x^7 - 7 x^5 + 7 x^4 + x^3 + 4 x^2 - 5 x + 1}$$

Sequence: A287324
Score: 18.7798
Type of gen. func.: lgdogf

$$-\frac{x - 9}{-x^2 + 1}$$

Sequence: A287324
Score: 39.0780
Type of gen. func.: ogf_with_Euler_transform]

$$[9 - 5 x]$$

Sequence: A287324
Score: 6.21285
Type of gen. func.: ogf

$\{(-n - 2) a(n + 3) + 9 a(n + 2) + (n - 1) a(n + 1), a(0) = 0, a(1) = 1,$

$a(2) = 9\}$

Sequence: A287324

Score: 8.34656
Type of gen. func.: ogf

$$\frac{x (x + 1)^5}{(x - 1)^4}$$

Sequence: A287327
Score: 10.4971
Type of gen. func.: lgdogf

$$- \frac{-49 x^2 + 28 x - 7}{-49 x^3 + 63 x^2 - 21 x + 2}$$

Sequence: A287327
Score: 16.0955
Type of gen. func.: ogf

$$- \frac{7 x - 2}{7 x^2 - 7 x + 1}$$

Sequence: A287327
Score: 7.95933
Type of gen. func.: ogf

$$-(36 f(x) - 23) (7 f(x) x^2 - 7 f(x) x + f(x) + 7 x - 2)$$

Sequence: A287327
Score: 8.83290
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) + 7 a(n), a(0) = 2, a(1) = 7\}$$

Sequence: A287335
Score: 10.5444
Type of gen. func.: ogf

$$\frac{(x + 2) (x^2 + 16 x + 1)}{(x - 1)^4}$$

Sequence: A287335
Score: 4.20711
Type of gen. func.: ogf

$$\{(-23 n^2 - 149 n - 206) a(n + 1) + (-392 n^2 - 3344 n - 7252) a(n + 2)$$

$$+ (415 n^2 + 2179 n + 2802) a(n + 3), a(0) = 2, a(1) = 41, a(2) = 170\}$$

Sequence: A287335
Score: 5.70553
Type of gen. func.: ogf

$$(1812 f(x) + 40525)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 18 x^2 + f(x) - 33 x - 2)$$

Sequence: A287335
Score: 9.57480
Type of gen. func.: lgdogf

$$- \frac{x^3 + 39 x^2 + 135 x + 41}{x^4 + 17 x^3 + 15 x^2 - 31 x - 2}$$

Sequence: A287349
Score: 10.0388
Type of gen. func.: ogf

$$- \frac{2 x^3 - 8 x^2 + 11 x - 4}{(x^2 - 3 x + 1)^2}$$

Sequence: A287349
Score: 5.43195

Type of gen. func.: ogf

$$(15775 f(x) + 6964) \left(f(x) x^4 - 6 f(x) x^3 + 11 f(x) x^2 + 2 x^3 - 6 f(x) x - 8 x^2 + f(x) + 11 x - 4 \right)$$

Sequence: A287349
Score: 7.62562
Type of gen. func.: lgdogf

$$- \frac{2 x^4 - 10 x^3 + 27 x^2 - 33 x + 13}{2 x^5 - 14 x^4 + 37 x^3 - 45 x^2 + 23 x - 4}$$

Sequence: A287350
Score: 12.4916
Type of gen. func.: ogf

$$- \frac{6 x^2 - 14 x + 5}{(2 x - 1) (x^2 - 3 x + 1)}$$

Sequence: A287350
Score: 6.45398
Type of gen. func.: ogf

$$-(375 f(x) - 226) (2 f(x) x^3 - 7 f(x) x^2 + 5 f(x) x + 6 x^2 - f(x) - 14 x + 5)$$

Sequence: A287350
Score: 6.79368
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 7 a(n + 1) + 2 a(n), a(0) = 5, a(1) = 11, a(2) = 26\}$$

Sequence: A287350
Score: 7.17110
Type of gen. func.: lgdogf

$$-\frac{-12 x^4 + 56 x^3 - 98 x^2 + 58 x - 11}{-12 x^5 + 70 x^4 - 138 x^3 + 111 x^2 - 39 x + 5}$$

Sequence: A287381
Score: 12.7643
Type of gen. func.: ogf

$$-\frac{x^2 - 2 x - 2}{x^3 - 2 x^2 - x + 1}$$

Sequence: A287381
Score: 6.65488
Type of gen. func.: ogf

$$-(26 f(x) + 23) (f(x) x^3 - 2 f(x) x^2 - f(x) x + x^2 + f(x) - 2 x - 2)$$

Sequence: A287381
Score: 6.95198
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 2 a(n + 1) + a(n), a(0) = 2, a(1) = 4, a(2) = 7\}$$

Sequence: A287381
Score: 8.46328
Type of gen. func.: lgdogf

$$-\frac{x^4 - 4 x^3 - x^2 + 6 x + 4}{x^5 - 4 x^4 + x^3 + 7 x^2 - 2}$$

Sequence: A287384
Score: 10.1502
Type of gen. func.: ogf_with_Euler_transform]

Sequence: A287392
Score: 10.8685
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^4 - x^3 + x^2 - x + 1)}{(x^4 + x^3 + x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A287392
Score: 28.0018
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9 + 3 x^4 + 1$$

Sequence: A287393
Score: 11.8024
Type of gen. func.: ogf

$$\frac{2 x}{(x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A287393
Score: 27.9829
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5 - x + 2]$$

Sequence: A287393
Score: 8.48297
Type of gen. func.: lgdogf

$$-\frac{6 x^4 - 4 x^3 + 4 x^2 - 2 x + 2}{x^5 - x^4 + x^3 - x^2 + x - 1}$$

Sequence: A287394
Score: 28.2729
Type of gen. func.: ogf_with_Euler_transform]

$$x^8 - x^2 + 2$$

Sequence: A287394
Score: 9.68005
Type of gen. func.: ogf

$$\frac{2\,x}{(x^6 + x^3 + 1)\,(x - 1)^2}$$

Sequence: A287396
Score: 5.61998
Type of gen. func.: ogf

$(f(x) + 39)$

$$(3136\,f(x)\,x^3 - 784\,f(x)\,x^2 + 56\,f(x)\,x + 784\,x^2 - f(x) - 112\,x + 3)$$

Sequence: A287396
Score: 5.61998
Type of gen. func.: ogf

$\{-a(n + 3) + 56\,a(n + 2) - 784\,a(n + 1) + 3136\,a(n),\ a(0) = 3,\ a(1) = 56,$

$a(2) = 1568\}$

Sequence: A287396
Score: 9.65686
Type of gen. func.: ogf

$$-\frac{(28\,x - 1)\,(28\,x - 3)}{3136\,x^3 - 784\,x^2 + 56\,x - 1}$$

Sequence: A287405
Score: 5.31808
Type of gen. func.: ogf

$(283 f(x) - 156)$

$$(49 f(x) x^3 - 147 f(x) x^2 + 35 f(x) x + 147 x^2 - f(x) - 70 x + 3)$$

Sequence: A287405
Score: 5.45214
Type of gen. func.: ogf

$$\{-a(n + 3) + 35 a(n + 2) - 147 a(n + 1) + 49 a(n), a(0) = 3, a(1) = 35, a(2) = 931\}$$

Sequence: A287405
Score: 9.54125
Type of gen. func.: ogf

$$-\frac{(21 x - 1) (7 x - 3)}{49 x^3 - 147 x^2 + 35 x - 1}$$

Sequence: A287425
Score: 5.93594
Type of gen. func.: ogf

$$-\frac{2 x^6 - 4 x^5 + 8 x^4 - 9 x^3 + 11 x^2 - 9 x + 3}{(x - 1) (x^3 - x^2 + 2 x - 1)}$$

Sequence: A287426
Score: 3.76918
Type of gen. func.: ogf

$$\{(8 n + 18) a(n + 1) + (4 n + 17) a(n + 2) + (-16 n - 24) a(n + 3) + (4 n + 5) a(n + 4), a(0) = 3, a(1) = 14, a(2) = 47, a(3) = 164\}$$

Sequence: A287426
Score: 5.19534
Type of gen. func.: ogf

$$(626416 f(x) + 1605005)$$

$$(2 f(x) x^4 - f(x) x^3 - 5 f(x) x^2 + 2 x^3 + 5 f(x) x - 8 x^2 - f(x) - x + 3)$$

Sequence: A287426
Score: 9.98587
Type of gen. func.: ogf

$$-\frac{2 x^3 - 8 x^2 - x + 3}{(2 x^2 + 3 x - 1) (x - 1)^2}$$

Sequence: A287430
Score: 10.8606
Type of gen. func.: ogf

$$-\frac{126 x^2 + 547 x - 115}{(7 x - 1)^2}$$

Sequence: A287430
Score: 5.91517
Type of gen. func.: ogf

$$\{-a(n + 3) + 14 a(n + 2) - 49 a(n + 1), a(0) = 115, a(1) = 1063, a(2) = 9121\}$$

Sequence: A287430
Score: 6.07797
Type of gen. func.: ogf

$$(3360 f(x) + 743569) (49 f(x) x^2 - 14 f(x) x + 126 x^2 + f(x) + 547 x - 115)$$

Sequence: A287430
Score: 9.20138
Type of gen. func.: lgdogf

$$-\frac{-4081 x + 1063}{-882 x^3 - 3703 x^2 + 1352 x - 115}$$

Sequence: A287431
Score: 3.84247
Type of gen. func.: ogf

$$\{(16 n + 52) a(n + 1) + (-8 n - 10) a(n + 2) + (-12 n - 31) a(n + 3) + (4 n + 9) a(n + 4), a(0) = 7, a(1) = 21, a(2) = 45, a(3) = 129\}$$

Sequence: A287431
Score: 5.47017
Type of gen. func.: ogf

$$(590 f(x) + 4627) \left(4 f(x) x^4 - 6 f(x) x^3 - f(x) x^2 + 12 x^3 + 4 f(x) x - 32 x^2 - f(x) - 7 x + 7 \right)$$

Sequence: A287431
Score: 6.67547
Type of gen. func.: lgdogf

$$- \frac{-48 x^5 + 208 x^4 + 88 x^3 - 12 x^2 - 57 x + 21}{-48 x^6 + 152 x^5 - 150 x^3 + 25 x^2 + 28 x - 7}$$

Sequence: A287431
Score: 9.97096
Type of gen. func.: ogf

$$- \frac{12 x^3 - 32 x^2 - 7 x + 7}{(4 x^2 + 2 x - 1) (x - 1)^2}$$

Sequence: A287439
Score: 13.5353
Type of gen. func.: ogf

$$3 x^2 + 4 x + 2$$

$$-\frac{}{2 x^{3} + 2 x^{2} - 1}$$

Sequence: A287439
Score: 7.63872
Type of gen. func.: lgdogf

$$-\frac{-6 x^{4} - 16 x^{3} - 20 x^{2} - 14 x - 4}{-6 x^{5} - 14 x^{4} - 12 x^{3} - x^{2} + 4 x + 2}$$

Sequence: A287439
Score: 8.20756
Type of gen. func.: ogf

$$(2 f(x) + 35) (2 f(x) x^{3} + 2 f(x) x^{2} + 3 x^{2} - f(x) + 4 x + 2)$$

Sequence: A287439
Score: 8.20756
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 1) - 2 a(n), a(0) = 2, a(1) = 4, a(2) = 7\}$$

Sequence: A287468
Score: 12.3845
Type of gen. func.: lgdogf

$$-\frac{-40 x^{3} + 22 x}{-10 x^{4} + 11 x^{2} - 1}$$

Sequence: A287468
Score: 19.0530
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (x + 1) (10 x^{2} - 1)}$$

Sequence: A287468
Score: 8.25631
Type of gen. func.: ogf

$$(11111 f(x) + 3530) (10 f(x) x^4 - 11 f(x) x^2 + f(x) - 1)$$

Sequence: A287469
Score: 15.3596
Type of gen. func.: ogf

$$\frac{1}{(10 x + 1) (10 x - 1) (10 x^2 - 1)}$$

Sequence: A287469
Score: 6.93659
Type of gen. func.: ogf

$$(11111 f(x) + 3530) (1000 f(x) x^4 - 110 f(x) x^2 + f(x) - 1)$$

Sequence: A287469
Score: 9.77430
Type of gen. func.: lgdogf

$$- \frac{-4000 x^3 + 220 x}{-1000 x^4 + 110 x^2 - 1}$$

Sequence: A287470
Score: 12.1152
Type of gen. func.: lgdogf

$$- \frac{-32 x^3 + 12 x}{-8 x^4 + 6 x^2 - 1}$$

Sequence: A287470
Score: 18.9914
Type of gen. func.: ogf

$$\frac{1}{(2 x + 1) (2 x - 1) (2 x^{2} - 1)}$$

Sequence: A287470
Score: 8.46605
Type of gen. func.: ogf

$$(31 f(x) + 50) (8 f(x) x^{4} - 6 f(x) x^{2} + f(x) - 1)$$

Sequence: A287471
Score: 7.57744
Type of gen. func.: ogf

$$\frac{12 x^{2} - 28 x + 13}{(4 x - 1) (2 x - 1)^{2} (x - 1)^{3}}$$

Sequence: A287474
Score: 5.0742
Type of gen. func.: ogf

$$(427 f(x) - 1629) (9 f(x) x^{3} + 3 f(x) x^{2} + 5 f(x) x - 3 x^{2} - f(x) - 10 x + 3)$$

Sequence: A287474
Score: 5.25381
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) - 3 a(n + 1) - 9 a(n), a(0) = 3, a(1) = 5, a(2) = 31\}$$

Sequence: A287474
Score: 9.57550
Type of gen. func.: ogf

2

$$\frac{3 x + 10 x - 3}{9 x^3 + 3 x^2 + 5 x - 1}$$

Sequence: A287479
Score: 12.1632
Type of gen. func.: lgdogf

$$- \frac{-3 x^2 - 6 x + 1}{-3 x^3 - 3 x^2 - x - 1}$$

Sequence: A287479
Score: 12.3562
Type of gen. func.: ogf

$$f(x) (3 f(x) x^2 - x^2 + f(x) - x)$$

Sequence: A287479
Score: 17.2988
Type of gen. func.: ogf

$$\frac{x (x + 1)}{3 x^2 + 1}$$

Sequence: A287479
Score: 9.37884
Type of gen. func.: ogf

$$\{a(n + 3) + 3 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 1\}$$

Sequence: A287485
Score: 13.3944
Type of gen. func.: ogf

$$- \frac{2 (6 x^2 + 8 x + 1)}{4 x^3 + 8 x^2 + 2 x - 1}$$

Sequence: A287485
Score: 6.80522
Type of gen. func.: ogf

$$-(6919 f(x) - 15931)$$

$$(4 f(x) x^3 + 8 f(x) x^2 + 2 f(x) x + 12 x^2 - f(x) + 16 x + 2)$$

Sequence: A287485
Score: 7.40218
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 8 a(n + 1) + 4 a(n), a(0) = 2, a(1) = 20, a(2) = 68\}$$

Sequence: A287485
Score: 8.03665
Type of gen. func.: lgdogf

$$-\frac{-24 x^4 - 64 x^3 - 64 x^2 - 28 x - 10}{-24 x^5 - 80 x^4 - 80 x^3 - 18 x^2 + 6 x + 1}$$

Sequence: A287497
Score: 8.02595
Type of gen. func.: ogf

$$-\frac{6 x^5 - 8 x^3 + 9 x^2 + 8 x + 1}{x^6 - 2 x^4 + 3 x^3 + 4 x^2 + x - 1}$$

Sequence: A287498
Score: 4.95214
Type of gen. func.: ogf

$$(222101 f(x) - 281090)$$

$$(f(x) x^4 + 3 f(x) x^3 + 2 f(x) x^2 + 4 x^3 + 9 x^2 - f(x) + 4 x)$$

Sequence: A287498
Score: 8.97128
Type of gen. func.: ogf

$$-\frac{x\,(4\,x^2 + 9\,x + 4)}{x^4 + 3\,x^3 + 2\,x^2 - 1}$$

Sequence: A287504
Score: 4.07852
Type of gen. func.: ogf

$$\frac{1211000000\,x^{10} + 13190000\,x^8 + 12090000\,x^6 + 11100\,x^4 + 11}{(10\,x - 1)\,(10000\,x^8 - 100\,x^4 - 1100\,x^2 - 11)}$$

Sequence: A287525
Score: 8.03151
Type of gen. func.: ogf

$$-\frac{x^5 + 2\,x^4 + 3\,x^3 + x^2 + 2\,x + 2}{(x + 1)\,(x^2 - x + 1)\,(x^2 + x - 1)}$$

Sequence: A287582
Score: 4.80787
Type of gen. func.: ogf

$$-\frac{2\,x^9 + 7\,x^8 - 6\,x^6 - x^5 + 11\,x^4 + x^3 - 3\,x + 1}{(x^2 + x - 1)\,(2\,x^6 + 3\,x^5 - 6\,x^3 - 3\,x^2 - x + 1)\,(x - 1)^2}$$

Sequence: A287592
Score: 6.59974
Type of gen. func.: ogf

$$\frac{x\,(52\,x^4 - 94\,x^3 + 59\,x^2 - 16\,x + 2)}{}$$

$$(4 x - 1) (2 x - 1)^2 (x - 1)^3$$

Sequence: A287594
Score: 12.4204
Type of gen. func.: ogf

$$\frac{2 x^2 - 8 x + 3}{(2 x - 1) (2 x^2 + 2 x - 1)}$$

Sequence: A287594
Score: 6.53139
Type of gen. func.: ogf

$$-(3 f(x) + 55) (4 f(x) x^3 + 2 f(x) x^2 - 4 f(x) x - 2 x^2 + f(x) + 8 x - 3)$$

Sequence: A287594
Score: 6.70480
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 2 a(n + 1) - 4 a(n), a(0) = 3, a(1) = 4, a(2) = 12\}$$

Sequence: A287594
Score: 7.42786
Type of gen. func.: lgdogf

$$- \frac{-8 x^4 + 64 x^3 - 28 x^2 - 8 x + 4}{-8 x^5 + 28 x^4 + 12 x^3 - 40 x^2 + 20 x - 3}$$

Sequence: A287651
Score: 2.40986
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A287655
Score: 5.20897
Type of gen. func.: ogf

$$-x\left(x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}-x^{6}-x^{5}-x^{4}-x^{3}-x^{2}-x-1\right) \Big/ \left(\left(x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1\right)(x-1)^{2}\right)$$

Sequence: A287700
Score: 7.47220
Type of gen. func.: lgdogf

$$-\frac{17966x^{3}+40446x^{2}+10362x+346}{8983x^{4}-4484x^{3}-4158x^{2}-340x-1}$$

Sequence: A287700
Score: 7.92506
Type of gen. func.: ogf

$$-\frac{x\left(8983x^{3}+4499x^{2}+341x+1\right)}{(x-1)^{5}}$$

Sequence: A287701
Score: 7.54410
Type of gen. func.: ogf

$$\frac{x\left(966751x^{4}+660746x^{3}+98256x^{2}+2246x+1\right)}{(x-1)^{6}}$$

Sequence: A287702
Score: 10.6563
Type of gen. func.: ogf

$$\frac{x\left(163x^{2}+52x+1\right)}{{}^{4}}$$

$$(x - 1)$$

Sequence: A287702
Score: 10.9443
Type of gen. func.: lgdogf

$$-\frac{326 x^{2} + 482 x + 56}{163 x^{3} - 111 x^{2} - 51 x - 1}$$

Sequence: A287702
Score: 3.89363
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (46 + 51 n) a(n + 3) + (-371 + 111 n) a(n + 2)$$
$$+ (-326 - 163 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 56, a(3) = 381\}$$

Sequence: A287702
Score: 5.25893
Type of gen. func.: ogf

$$-(8826624 f(x) + 427340195)$$

$$(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 163 x^{3} - 4 f(x) x - 52 x^{2} + f(x) - x)$$

Sequence: A287733
Score: 8.74318
Type of gen. func.: ogf

$$\frac{6 (x^{2} + 4 x + 1) (x^{2} - x + 1)}{(x - 1)^{2} (x^{2} + 1)^{2}}$$

Sequence: A287742
Score: 13.5429
Type of gen. func.: ogf

$$\frac{1}{\quad^{2}\qquad^{2}}$$

$$(x - 1) (10 x - 1) (x + 1)$$

Sequence: A287742
Score: 7.30255
Type of gen. func.: lgdogf

$$-\frac{-50 x^{4} + 40 x^{3} - 27 x^{2} + 18 x + 1}{-10 x^{5} + 10 x^{4} - 9 x^{3} + 9 x^{2} + x - 1}$$

Sequence: A287743
Score: 10.4382
Type of gen. func.: ogf

$$\frac{1}{(10 x - 1) (100 x^{2} + 1) (10 x^{2} - 1)}$$

Sequence: A287744
Score: 14.2737
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (x^{2} + 1) (2 x^{2} - 1)}$$

Sequence: A287744
Score: 8.38764
Type of gen. func.: lgdogf

$$-\frac{-10 x^{4} + 8 x^{3} - 3 x^{2} + 2 x + 1}{-2 x^{5} + 2 x^{4} - x^{3} + x^{2} + x - 1}$$

Sequence: A287745
Score: 14.4973
Type of gen. func.: ogf

$$\frac{1}{}$$

$$(2 x - 1) (4 x^2 + 1) (2 x^2 - 1)$$

Sequence: A287745
Score: 7.82852
Type of gen. func.: lgdogf

$$- \frac{-80 x^4 + 32 x^3 + 12 x^2 - 4 x + 2}{-16 x^5 + 8 x^4 + 4 x^3 - 2 x^2 + 2 x - 1}$$

Sequence: A287746
Score: 9.04384
Type of gen. func.: ogf

$$\frac{(x^2 + 4 x + 1) (x^2 - x + 1)}{(x - 1)^2 (x^2 + 1)^2}$$

Sequence: A287762
Score: 2.51579
Type of gen. func.: ogf

$$(f(x) - 1)^2 (-48 x^3 + f(x) - 1)$$

Sequence: A287764
Score: 2.76425
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A287765
Score: 10.3260
Type of gen. func.: lgdogf

$$- \frac{-3 x^4 - 4 x^3 + 2 x^2 - 4 x - 3}{-3 x^5 + x^4 - 2 x^3 + 2 x^2 + x + 1}$$

Sequence: A287765
Score: 16.2507
Type of gen. func.: ogf

$$-\frac{3x^2+2x+1}{(x-1)(x^2+1)}$$

Sequence: A287765
Score: 8.85083
Type of gen. func.: ogf

$$\{a(n+3)-a(n+2)+a(n+1)-a(n),\ a(0)=1,\ a(1)=3,\ a(2)=5\}$$

Sequence: A287765
Score: 8.93057
Type of gen. func.: ogf

$$(f(x)+7)\,(f(x)\,x^3-f(x)\,x^2+f(x)\,x+3x^2-f(x)+2x+1)$$

Sequence: A287793
Score: 4.61532
Type of gen. func.: ogf

$$-x\,(x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)\Big/\left((x^2+x+1)(x^4+x^3+x^2+x+1)(x^8-x^7+x^5-x^4+x^3-x+1)(x-1)^2\right)$$

Sequence: A287798
Score: 11.1105
Type of gen. func.: lgdogf

$$14x^2-14x+6$$

$$- \frac{}{-14 x^3 - 617 x^2 + 630 x - 159}$$

Sequence: A287798
Score: 16.5523
Type of gen. func.: ogf

$$\frac{7 x^2 + 312 x - 159}{2 x - 1}$$

Sequence: A287798
Score: 9.43097
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2), a(0) = 159, a(1) = 6, a(2) = 5\}$$

Sequence: A287798
Score: 9.54192
Type of gen. func.: ogf

$$-(f(x) - 159) (2 f(x) x - 7 x^2 - f(x) - 312 x + 159)$$

Sequence: A287804
Score: 12.6894
Type of gen. func.: ogf

$$- \frac{3 x^2 - 1}{x^3 + 5 x^2 - 5 x + 1}$$

Sequence: A287804
Score: 6.40086
Type of gen. func.: ogf

$$-(17 f(x) + 31) (f(x) x^3 + 5 f(x) x^2 - 5 f(x) x + 3 x^2 + f(x) - 1)$$

Sequence: A287804
Score: 6.40087
Type of gen. func.: ogf

$$\{-a(n+3)+5a(n+2)-5a(n+1)-a(n),\ a(0)=1,\ a(1)=5,\ a(2)=17\}$$

Sequence: A287804
Score: 7.86193
Type of gen. func.: lgdogf

$$-\frac{-3x^4-12x^2+16x-5}{-3x^5-15x^4+16x^3+2x^2-5x+1}$$

Sequence: A287805
Score: 11.0964
Type of gen. func.: ogf

$$-\frac{(x+1)(2x^2-1)}{6x^3-x^2-4x+1}$$

Sequence: A287805
Score: 5.71384
Type of gen. func.: ogf

$$\{-a(n+4)+4a(n+3)+a(n+2)-6a(n+1),\ a(0)=1,\ a(1)=5,\ a(2)=19,\ a(3)=73\}$$

Sequence: A287805
Score: 6.38044
Type of gen. func.: ogf

$$(-1+25f(x))(6f(x)x^3-f(x)x^2+2x^3-4f(x)x+2x^2+f(x)-x-1)$$

Sequence: A287805
Score: 6.96049
Type of gen. func.: lgdogf

$$-\frac{14 x^4 + 4 x^3 - 15 x^2 - 2 x + 5}{12 x^6 + 10 x^5 - 16 x^4 - 11 x^3 + 7 x^2 + 3 x - 1}$$

Sequence: A287806
Score: 11.0095
Type of gen. func.: ogf

$$-\frac{x^3 + 2 x^2 - x - 1}{3 x^3 + 2 x^2 - 5 x + 1}$$

Sequence: A287806
Score: 5.62708
Type of gen. func.: ogf

$$\{-a(n + 4) + 5 a(n + 3) - 2 a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 6, a(2) = 26, a(3) = 114\}$$

Sequence: A287806
Score: 6.38365
Type of gen. func.: ogf

$$(3 f(x) + 5) (3 f(x) x^3 + 2 f(x) x^2 + x^3 - 5 f(x) x + 2 x^2 + f(x) - x - 1)$$

Sequence: A287806
Score: 7.23482
Type of gen. func.: lgdogf

$$-\frac{4 x^4 + 4 x^3 - 4 x^2 - 8 x + 6}{3 x^6 + 8 x^5 - 4 x^4 - 14 x^3 + 5 x^2 + 4 x - 1}$$

Sequence: A287807
Score: 14.7228
Type of gen. func.: ogf

$$-\frac{2 x^2 - 1}{6 x^2 - 6 x + 1}$$

Sequence: A287807
Score: 7.00405
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 6 a(n + 1), a(0) = 1, a(1) = 6, a(2) = 28\}$$

Sequence: A287807
Score: 7.75719
Type of gen. func.: ogf

$$-(5 f(x) + 4) (6 f(x) x^2 - 6 f(x) x + 2 x^2 + f(x) - 1)$$

Sequence: A287807
Score: 9.49233
Type of gen. func.: lgdogf

$$-\frac{12 x^2 - 16 x + 6}{12 x^4 - 12 x^3 - 4 x^2 + 6 x - 1}$$

Sequence: A287808
Score: 5.14953
Type of gen. func.: ogf

$$-(f(x) + 1)$$

$$(6 f(x) x^4 - 6 f(x) x^3 + 2 x^4 - 8 f(x) x^2 + 7 f(x) x - 4 x^2 - f(x) + 1)$$

Sequence: A287808
Score: 9.66418
Type of gen. func.: ogf

```
                 4      2
              2 x  - 4 x  + 1
        - ----------------------------
              4      3      2
```

$$6 x - 6 x - 8 x + 7 x - 1$$

Sequence: A287809
Score: 6.0097
Type of gen. func.: ogf

$$f(x) (6 f(x) x^4 - 13 f(x) x^3 + 2 x^4 - 2 x^3 + 6 f(x) x - 3 x^2 - f(x) + x + 1)$$

Sequence: A287809
Score: 9.24568
Type of gen. func.: ogf

$$-\frac{(2 x^2 - 1) (x^2 - x - 1)}{6 x^4 - 13 x^3 + 6 x - 1}$$

Sequence: A287810
Score: 10.4815
Type of gen. func.: ogf

$$-\frac{(x + 1) (2 x^2 - 1)}{10 x^3 - x^2 - 6 x + 1}$$

Sequence: A287810
Score: 5.39489
Type of gen. func.: ogf

$$\{-a(n + 4) + 6 a(n + 3) + a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 7, a(2) = 41, a(3) = 241\}$$

Sequence: A287810
Score: 6.06368
Type of gen. func.: ogf

$$(-7 + 58 f(x)) (10 f(x) x^3 - f(x) x^2 + 2 x^3 - 6 f(x) x + 2 x^2 + f(x) - x - 1)$$

Sequence: A287810
Score: 6.67005
Type of gen. func.: lgdogf

$$-\frac{22 x^4 + 4 x^3 - 23 x^2 - 2 x + 7}{20 x^6 + 18 x^5 - 24 x^4 - 19 x^3 + 9 x^2 + 5 x - 1}$$

Sequence: A287811
Score: 10.8669
Type of gen. func.: lgdogf

$$-\frac{-3 x^2 - 6 x - 7}{-3 x^3 - 9 x^2 - 5 x + 1}$$

Sequence: A287811
Score: 15.4552
Type of gen. func.: ogf

$$-\frac{x + 1}{3 x^2 + 6 x - 1}$$

Sequence: A287811
Score: 8.08703
Type of gen. func.: ogf

$$(48 f(x) + 1) (3 f(x) x^2 + 6 f(x) x - f(x) + x + 1)$$

Sequence: A287811
Score: 8.48151
Type of gen. func.: ogf

$$\{a(n + 2) - 6 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 7\}$$

Sequence: A287812
Score: 4.72125

Type of gen. func.: ogf

$$(f(x) - 1) (3 f(x) x^4 - 10 f(x) x^3 + x^4 - 3 f(x) x^2 - 2 x^3 + 7 f(x) x - 3 x^2 - f(x) + x + 1)$$

Sequence: A287812
Score: 8.01514
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^3 - 3 x^2 + 1)}{3 x^4 - 10 x^3 - 3 x^2 + 7 x - 1}$$

Sequence: A287813
Score: 13.1807
Type of gen. func.: ogf

$$- \frac{x^2 - x - 1}{3 x^2 - 7 x + 1}$$

Sequence: A287813
Score: 6.78228
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 3 a(n + 1), a(0) = 1, a(1) = 8, a(2) = 52\}$$

Sequence: A287813
Score: 6.98576
Type of gen. func.: ogf

$$-(35 + 157 f(x)) (3 f(x) x^2 - 7 f(x) x + x^2 + f(x) - x - 1)$$

Sequence: A287813
Score: 9.56952
Type of gen. func.: lgdogf

2

$$-\frac{4 x - 8 x + 8}{3 x^{4} - 10 x^{3} + 5 x^{2} + 6 x - 1}$$

Sequence: A287814
Score: 11.4668
Type of gen. func.: ogf

$$-\frac{(x + 1) (2 x^{2} - 1)}{10 x^{3} - 7 x + 1}$$

Sequence: A287814
Score: 6.02491
Type of gen. func.: ogf

$\{-a(n + 4) + 7 a(n + 3) - 10 a(n + 1), a(0) = 1, a(1) = 8, a(2) = 54,$

$a(3) = 366\}$

Sequence: A287814
Score: 6.46308
Type of gen. func.: lgdogf

$$-\frac{20 x^{4} + 8 x^{3} - 22 x^{2} - 4 x + 8}{20 x^{6} + 20 x^{5} - 24 x^{4} - 22 x^{3} + 9 x^{2} + 6 x - 1}$$

Sequence: A287814
Score: 6.90233
Type of gen. func.: ogf

$$(56 f(x) + 1) (10 f(x) x^{3} + 2 x^{3} - 7 f(x) x + 2 x^{2} + f(x) - x - 1)$$

Sequence: A287815
Score: 11.3338
Type of gen. func.: lgdogf

$$-6 x^{2} - 12 x - 8$$

$$- \frac{}{-6 x^{3} - 13 x^{2} - 6 x + 1}$$

Sequence: A287815
Score: 16.6229
Type of gen. func.: ogf

$$- \frac{x + 1}{6 x^{2} + 7 x - 1}$$

Sequence: A287815
Score: 8.69805
Type of gen. func.: ogf

$$(17 f(x) - 1) (6 f(x) x^{2} + 7 f(x) x - f(x) + x + 1)$$

Sequence: A287815
Score: 9.12234
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) - 6 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A287816
Score: 8.68435
Type of gen. func.: ogf

$$- \frac{5 x^{4} - 5 x^{2} + 1}{x^{5} + 19 x^{4} - 15 x^{3} - 11 x^{2} + 9 x - 1}$$

Sequence: A287817
Score: 7.77641
Type of gen. func.: ogf

$$- \frac{(3 x^{2} - 1) (x^{2} - x - 1)}{x^{5} + 10 x^{4} - 23 x^{3} - x^{2} + 8 x - 1}$$

Sequence: A287818
Score: 14.9606
Type of gen. func.: ogf

$$-\frac{2 x^{2} - 1}{10 x^{2} - 9 x + 1}$$

Sequence: A287818
Score: 7.19262
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 10 a(n + 1), a(0) = 1, a(1) = 9, a(2) = 69\}$$

Sequence: A287818
Score: 7.87402
Type of gen. func.: ogf

$$-(19 f(x) + 8) (10 f(x) x^{2} - 9 f(x) x + 2 x^{2} + f(x) - 1)$$

Sequence: A287818
Score: 9.84253
Type of gen. func.: lgdogf

$$-\frac{18 x^{2} - 24 x + 9}{20 x^{4} - 18 x^{3} - 8 x^{2} + 9 x - 1}$$

Sequence: A287819
Score: 5.03689
Type of gen. func.: ogf

$$\{-a(n + 4) + 8 a(n + 3) + a(n + 2) - 14 a(n + 1), a(0) = 1, a(1) = 9, a(2) = 71,$$

$$a(3) = 561\}$$

Sequence: A287819

Score: 5.56925
Type of gen. func.: ogf

$$(-17 + 105 f(x)) (14 f(x) x^3 - f(x) x^2 + 2 x^3 - 8 f(x) x + 2 x^2 + f(x) - x - 1)$$

Sequence: A287819
Score: 6.17132
Type of gen. func.: lgdogf

$$-\frac{30 x^4 + 4 x^3 - 31 x^2 - 2 x + 9}{28 x^6 + 26 x^5 - 32 x^4 - 27 x^3 + 11 x^2 + 7 x - 1}$$

Sequence: A287819
Score: 9.78596
Type of gen. func.: ogf

$$-\frac{(x + 1) (2 x^2 - 1)}{14 x^3 - x^2 - 8 x + 1}$$

Sequence: A287825
Score: 6.80540
Type of gen. func.: ogf

$$-\frac{x^5 + 3 x^4 - 3 x^3 - 4 x^2 + x + 1}{5 x^5 + 9 x^4 - 21 x^3 - 4 x^2 + 9 x - 1}$$

Sequence: A287826
Score: 11.8685
Type of gen. func.: ogf

$$-\frac{3 x^2 - 1}{2 x^3 + 13 x^2 - 10 x + 1}$$

Sequence: A287826
Score: 6.03655
Type of gen. func.: ogf

$$\{-a(n + 3) + 10 a(n + 2) - 13 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 10, a(2) = 84\}$$

Sequence: A287826
Score: 6.08904
Type of gen. func.: ogf

$$-(65 f(x) + 31) (2 f(x) x^3 + 13 f(x) x^2 - 10 f(x) x + 3 x^2 + f(x) - 1)$$

Sequence: A287826
Score: 7.37095
Type of gen. func.: lgdogf

$$-\frac{-6 x^4 - 24 x^2 + 32 x - 10}{-6 x^5 - 39 x^4 + 32 x^3 + 10 x^2 - 10 x + 1}$$

Sequence: A287827
Score: 4.80496
Type of gen. func.: ogf

$$(-1 + 8 f(x)) (10 f(x) x^4 - 20 f(x) x^3 + 2 x^4 - f(x) x^2 - 2 x^3 + 9 f(x) x - 3 x^2 - f(x) + x + 1)$$

Sequence: A287827
Score: 8.11872
Type of gen. func.: ogf

$$-\frac{(2 x^2 - 1) (x^2 - x - 1)}{10 x^4 - 20 x^3 - x^2 + 9 x - 1}$$

Sequence: A287828

Score: 11.5397
Type of gen. func.: ogf

$$-\frac{(x+1)(2x^2-1)}{14x^3-9x+1}$$

Sequence: A287828
Score: 6.01229
Type of gen. func.: ogf

$\{-a(n+4)+9a(n+3)-14a(n+1), a(0)=1, a(1)=10, a(2)=88,$

$a(3)=776\}$

Sequence: A287828
Score: 6.38805
Type of gen. func.: lgdogf

$$-\frac{28x^4+8x^3-30x^2-4x+10}{28x^6+28x^5-32x^4-30x^3+11x^2+8x-1}$$

Sequence: A287828
Score: 6.94624
Type of gen. func.: ogf

$$(49f(x)-1)(14f(x)x^3+2x^3-9f(x)x+2x^2+f(x)-x-1)$$

Sequence: A287829
Score: 10.8865
Type of gen. func.: lgdogf

$$-\frac{-2x^2-4x-10}{-2x^3-11x^2-8x+1}$$

Sequence: A287829
Score: 15.9668

Type of gen. func.: ogf

$$-\frac{x + 1}{2 x^2 + 9 x - 1}$$

Sequence: A287829
Score: 8.35474
Type of gen. func.: ogf

$$(47 f(x) + 3) (2 f(x) x^2 + 9 f(x) x - f(x) + x + 1)$$

Sequence: A287829
Score: 8.65671
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A287830
Score: 10.8865
Type of gen. func.: lgdogf

$$-\frac{-4 x^2 - 8 x - 10}{-4 x^3 - 13 x^2 - 8 x + 1}$$

Sequence: A287830
Score: 15.9668
Type of gen. func.: ogf

$$-\frac{x + 1}{4 x^2 + 9 x - 1}$$

Sequence: A287830
Score: 8.35474
Type of gen. func.: ogf

$$(49 f(x) + 1) (4 f(x) x^2 + 9 f(x) x - f(x) + x + 1)$$

Sequence: A287830
Score: 8.65671
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A287831
Score: 10.7240
Type of gen. func.: lgdogf

$$-\frac{-6 x^{2} - 12 x - 10}{-6 x^{3} - 15 x^{2} - 8 x + 1}$$

Sequence: A287831
Score: 15.9668
Type of gen. func.: ogf

$$-\frac{x + 1}{6 x^{2} + 9 x - 1}$$

Sequence: A287831
Score: 8.35474
Type of gen. func.: ogf

$$(51 f(x) - 1) (6 f(x) x^{2} + 9 f(x) x - f(x) + x + 1)$$

Sequence: A287831
Score: 8.65671
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) - 6 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A287832
Score: 7.07403
Type of gen. func.: ogf

$$-\frac{(2x^2-1)(x^4-4x^2+1)}{10x^6-9x^5-39x^4+28x^3+14x^2-11x+1}$$

Sequence: A287833
Score: 6.38541
Type of gen. func.: ogf

$$-\frac{(3x^2-1)(x^3+2x^2-x-1)}{x^6+19x^5+16x^4-37x^3-2x^2+10x-1}$$

Sequence: A287834
Score: 4.86306
Type of gen. func.: ogf

$$(2+39f(x))(10f(x)x^4-21f(x)x^3+2x^4-2f(x)x^2-2x^3+10f(x)x-3x^2-f(x)+x+1)$$

Sequence: A287834
Score: 8.23405
Type of gen. func.: ogf

$$-\frac{(2x^2-1)(x^2-x-1)}{10x^4-21x^3-2x^2+10x-1}$$

Sequence: A287835
Score: 10.2485
Type of gen. func.: ogf

$$-\frac{(x+1)(2x^2-1)}{14x^3+x^2-10x+1}$$

Sequence: A287835
Score: 5.19743
Type of gen. func.: ogf

$\{-a(n+4) + 10\,a(n+3) - a(n+2) - 14\,a(n+1),\ a(0) = 1,\ a(1) = 11,\ a(2) = 107,\ a(3) = 1043\}$

Sequence: A287835
Score: 5.91578
Type of gen. func.: ogf

$$(7 + 305 f(x)) (14 f(x) x^3 + f(x) x^2 + 2 x^3 - 10 f(x) x + 2 x^2 + f(x) - x - 1)$$

Sequence: A287835
Score: 6.43929
Type of gen. func.: lgdogf

$$-\frac{26 x^4 + 12 x^3 - 29 x^2 - 6 x + 11}{28 x^6 + 30 x^5 - 32 x^4 - 33 x^3 + 11 x^2 + 9 x - 1}$$

Sequence: A287836
Score: 10.5915
Type of gen. func.: ogf

$$-\frac{(x + 1) (2 x^2 - 1)}{18 x^3 - x^2 - 10 x + 1}$$

Sequence: A287836
Score: 5.37140
Type of gen. func.: ogf

$\{-a(n+4) + 10\,a(n+3) + a(n+2) - 18\,a(n+1),\ a(0) = 1,\ a(1) = 11,\ a(2) = 109,\ a(3) = 1081\}$

Sequence: A287836
Score: 6.06449

Type of gen. func.: ogf

$$(-31 + 166 f(x))$$

$$(18 f(x) x^3 - f(x) x^2 + 2 x^3 - 10 f(x) x + 2 x^2 + f(x) - x - 1)$$

Sequence: A287836
Score: 6.71425
Type of gen. func.: lgdogf

$$- \frac{38 x^4 + 4 x^3 - 39 x^2 - 2 x + 11}{36 x^6 + 34 x^5 - 40 x^4 - 35 x^3 + 13 x^2 + 9 x - 1}$$

Sequence: A287837
Score: 10.5758
Type of gen. func.: lgdogf

$$- \frac{-3 x^2 - 6 x - 11}{-3 x^3 - 13 x^2 - 9 x + 1}$$

Sequence: A287837
Score: 15.1740
Type of gen. func.: ogf

$$- \frac{x + 1}{3 x^2 + 10 x - 1}$$

Sequence: A287837
Score: 7.93188
Type of gen. func.: ogf

$$(116 f(x) + 5) (3 f(x) x^2 + 10 f(x) x - f(x) + x + 1)$$

Sequence: A287837
Score: 8.30958
Type of gen. func.: ogf

{a(n + 2) - 10 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 11}

Sequence: A287838
Score: 10.4180
Type of gen. func.: lgdogf

$$-\frac{-5x^2-10x-11}{-5x^3-15x^2-9x+1}$$

Sequence: A287838
Score: 15.1740
Type of gen. func.: ogf

$$-\frac{x+1}{5x^2+10x-1}$$

Sequence: A287838
Score: 7.93188
Type of gen. func.: ogf

$$(120 f(x) + 1) (5 f(x) x^2 + 10 f(x) x - f(x) + x + 1)$$

Sequence: A287838
Score: 8.30958
Type of gen. func.: ogf

{a(n + 2) - 10 a(n + 1) - 5 a(n), a(0) = 1, a(1) = 11}

Sequence: A287839
Score: 10.4180
Type of gen. func.: lgdogf

$$-\frac{-7x^2-14x-11}{-7x^3-17x^2-9x+1}$$

Sequence: A287839
Score: 15.1740
Type of gen. func.: ogf

$$-\frac{x + 1}{7 x^2 + 10 x - 1}$$

Sequence: A287839
Score: 7.93188
Type of gen. func.: ogf

$$(124 f(x) - 3) (7 f(x) x^2 + 10 f(x) x - f(x) + x + 1)$$

Sequence: A287839
Score: 8.30958
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1) - 7 a(n), a(0) = 1, a(1) = 11\}$$

Sequence: A287865
Score: 8.49163
Type of gen. func.: ogf

$$-\frac{12 x^8 + 19 x^7 + 47 x^6 + 23 x^5 + 11 x^4 + 5 x^3 + 7 x^2 + 3 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A287866
Score: 5.07555
Type of gen. func.: ogf

$$-\frac{x (x^{16} - x^{13} - 1)}{(x + 1) (x^2 + 1) (x^8 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A287867
Score: 7.84584
Type of gen. func.: ogf

$$(x^{45} - x^{43} - x^{17} + x^{15} + x^{13} + x^{2} - 1) \Big/ ((x + 1) (x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{8} - x^{7} + x^{5} - x^{4} + x^{3} - x + 1) (x - 1)^{2})$$

Sequence: A287893
Score: 7.72380
Type of gen. func.: ogf

$$\frac{x^{3} (x^{7} - 2 x^{6} + x^{5} - x^{3} - 1)}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{3}}$$

Sequence: A287898
Score: 5.76032
Type of gen. func.: ogf

$$f(x) (f(x) x^{4} + 2 f(x) x^{3} + 2 f(x) x^{2} + x^{3} + 2 f(x) x + x^{2} - f(x) + x + 1)$$

Sequence: A287898
Score: 9.65040
Type of gen. func.: ogf

$$- \frac{(x^{2} + 1) (x + 1)}{x^{4} + 2 x^{3} + 2 x^{2} + 2 x - 1}$$

Sequence: A287944
Score: 3.61479
Type of gen. func.: ogf

$$-(f(x) - 1)^{3}$$

Sequence: A287988

Score: 4.14912
Type of gen. func.: ogf

$$-\frac{2\,(x^2+2x-1)\,(2x^6+4x^5+x^4+24x^3-4x^2+20x+1)}{(x^3+x^2+3x-1)^2\,(x-1)^4}$$

Sequence: A287990
Score: 27.3438
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{36}{-x-1}$$

Sequence: A287991
Score: 26.2702
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{48}{-x-1}$$

Sequence: A287992
Score: 7.76972
Type of gen. func.: ogf

$$-\frac{16x^4-44x^3+53x^2-18x-1}{(2x-1)^2\,(x-1)^4}$$

Sequence: A287996
Score: 13.3172
Type of gen. func.: ogf

$$-\frac{70x^{28}+30x^{12}+13x^5+6x^2+5}{x-1}$$

Sequence: A287997
Score: 15.2963

Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(- \frac{1}{x^{14}} + 1\right) x^{14}}{(x + 1) (x - 1)}$$

Sequence: A287998
Score: 14.9009
Type of gen. func.: ogf_with_Euler_transform]

$$(x^2 + 1) (x^4 + 1) (x^8 + 1)$$

Sequence: A288020
Score: 6.71626
Type of gen. func.: ogf

$$\frac{1000 x^9 - 10 x^7 - 1000 x^6 + 10 x^4 + 100 x^3 - 100 x^2 + 10 x + 1}{(x + 1) (x - 1) (10 x + 1) (10 x - 1)}$$

Sequence: A288029
Score: 8.90427
Type of gen. func.: ogf

$$- \frac{x^5 - x^3 - x^2 - 1}{(x^2 + 1) (x^4 - 2 x^2 - 2 x + 1)}$$

Sequence: A288031
Score: 6.05249
Type of gen. func.: ogf

$$- \frac{8 x^5 + 2 x^4 - 41 x^3 + 9 x^2 + 23 x + 1}{8 x^6 + 10 x^5 - 95 x^4 + 24 x^3 + 100 x^2 + 20 x - 1}$$

Sequence: A288037

Score: 6.10625
Type of gen. func.: ogf

$$-\frac{232 x^5 - 1146 x^4 + 2308 x^3 - 2393 x^2 + 1296 x - 285}{(2 x - 1)^2 (x - 1)^4}$$

Sequence: A288038
Score: 12.6012
Type of gen. func.: ogf

$$-\frac{2 x^2 - 4 x + 3}{(x - 1) (2 x - 1)^2}$$

Sequence: A288038
Score: 6.74272
Type of gen. func.: ogf

$$(228 f(x) - 79) (4 f(x) x^3 - 8 f(x) x^2 + 5 f(x) x + 2 x^2 - f(x) - 4 x + 3)$$

Sequence: A288038
Score: 6.74273
Type of gen. func.: ogf

{a(n + 3) - 5 a(n + 2) + 8 a(n + 1) - 4 a(n), a(0) = 3, a(1) = 11, a(2) = 33}

Sequence: A288038
Score: 8.93803
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 14 x^2 + 22 x - 11}{4 x^4 - 14 x^3 + 20 x^2 - 13 x + 3}$$

Sequence: A288040
Score: 8.70070
Type of gen. func.: ogf

$$-\frac{9x^{10}-x^{9}-x^{8}-x^{7}-x^{6}-x^{5}-x^{4}-x^{3}-x^{2}-2x-10}{(x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)(x-1)^{2}}$$

Sequence: A288075
Score: 8.84735
Type of gen. func.: lgdogf

$$-\frac{4108x^{2}+17056x+5148}{632x^{3}+2074x^{2}-18x-135}$$

Sequence: A288119
Score: 7.00868
Type of gen. func.: ogf

$$\frac{3x^{9}-x^{8}-x^{7}+4x^{6}-x^{5}+2x^{4}+x^{3}+2x^{2}-x+1}{(x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2}}$$

Sequence: A288122
Score: 20.0418
Type of gen. func.: ogf_with_Euler_transform]

$$x^{12}+x(x^{3}+x+1)$$

Sequence: A288122
Score: 8.25895
Type of gen. func.: ogf

$$1/((x+1)(x^{2}+x+1)(x^{4}+x^{3}+x^{2}+x+1)$$

$$(x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{4})$$

Sequence: A288123
Score: 4.31232
Type of gen. func.: ogf

$$\frac{101000000 x^{10} + 111190000 x^{8} - 1010000 x^{6} + 21100 x^{4} - 100 x^{2} + 1}{(10 x - 1) (1010000 x^{8} - 10100 x^{4} - 1)}$$

Sequence: A288131
Score: 4.77404
Type of gen. func.: ogf

$$\frac{1100 x^{6} + 900 x^{5} + 1100 x^{4} - 9 x^{3} + 89 x^{2} - 11 x - 1}{(x - 1) (10 x + 1) (10 x - 1) (x^{2} + x + 1) (10 x^{2} - 1) (10 x^{2} + 1)}$$

Sequence: A288133
Score: 4.45764
Type of gen. func.: ogf

{a(n + 4) - 4 a(n + 3) + 5 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 4,

a(3) = 7}

Sequence: A288133
Score: 4.9446
Type of gen. func.: ogf

$$(7 f(x) + 9) (2 f(x) x^{3} - 5 f(x) x^{2} - x^{3} + 4 f(x) x + x^{2} - f(x) - 2 x + 1)$$

Sequence: A288133
Score: 8.52765
Type of gen. func.: ogf

$$\frac{x^{3} - x^{2} + 2 x - 1}{(2 x - 1) (x - 1)^{2}}$$

Sequence: A288136
Score: 4.19772
Type of gen. func.: ogf

$$\frac{11000 x^6 - 900 x^5 + 110 x^4 + 900 x^3 - 109 x^2 - 11 x - 1}{(x - 1) (10 x - 1) (x + 1) (10 x^2 - 1) (100 x^2 + 10 x + 1) (10 x^2 + 1)}$$

Sequence: A288137
Score: 5.94580
Type of gen. func.: ogf

$$\frac{12 x^6 + 4 x^5 + 12 x^4 - x^3 + x^2 - 3 x - 1}{(x - 1) (2 x + 1) (2 x - 1) (x^2 + x + 1) (2 x^2 - 1) (2 x^2 + 1)}$$

Sequence: A288138
Score: 6.11770
Type of gen. func.: ogf

$$\frac{24 x^6 - 4 x^5 + 6 x^4 + 4 x^3 - 5 x^2 - 3 x - 1}{(x - 1) (2 x - 1) (x + 1) (2 x^2 + 1) (4 x^2 + 2 x + 1) (2 x^2 - 1)}$$

Sequence: A288156
Score: 11.9224
Type of gen. func.: lgdogf

$$- \frac{3 x^7 + x^6 + x^5 + 7 x^4 + 2 x^3 + 4 x^2 + x + 1}{x^8 + x^5 - x^3 - 1}$$

Sequence: A288156
Score: 21.1085
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1) x^2 (x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A288156
Score: 34.7254
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{5} + x^{4} + x^{2} + 1$$

Sequence: A288165
Score: 19.6499
Type of gen. func.: ogf_with_Euler_transform]

$$x^{8} + x^{5} + x^{3} + x^{2}$$

Sequence: A288165
Score: 6.73576
Type of gen. func.: ogf

$$\frac{x^{4}}{(x^{2} + 1)\,(x^{2} - x + 1)\,(x^{6} + x^{3} + 1)\,(x + 1)^{2}\,(x^{2} + x + 1)^{3}\,(x - 1)^{4}}$$

Sequence: A288166
Score: 8.26141
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^{8}}{x^{4} - 1} + \frac{x^{19}}{x^{4} - 1} - \frac{x^{3}}{(x - 1)\,(x^{2} + 1)}$$

Sequence: A288170
Score: 4.01919
Type of gen. func.: ogf

$$\{-2\,a(n)\,n + (n - 2)\,a(n + 1) + (2\,n - 1)\,a(n + 2) + (-n + 1)\,a(n + 3),$$

$$a(0) = 2,\ a(1) = 4,\ a(2) = 8,\ a(3) = 16,\ a(4) = 34\}$$

Sequence: A288170
Score: 5.52994
Type of gen. func.: ogf

$$-f(x)\,(2\,f(x)\,x^4 - 3\,f(x)\,x^3 + 2\,x^4 - f(x)\,x^2 + 2\,x^3 + 3\,f(x)\,x - 2\,x^2 - f(x) - 2\,x + 2)$$

Sequence: A288170
Score: 9.17320
Type of gen. func.: ogf

$$-\frac{2\,(x^4 + x^3 - x^2 - x + 1)}{(x + 1)\,(2\,x - 1)\,(x - 1)^2}$$

Sequence: A288176
Score: 11.8368
Type of gen. func.: ogf

$$\frac{2\,(2\,x^2 - 1)}{(x - 1)\,(x^3 - 3\,x^2 - x + 1)}$$

Sequence: A288176
Score: 6.15515
Type of gen. func.: ogf

$$(3\,f(x) + 2)\,(f(x)\,x^4 - 4\,f(x)\,x^3 + 2\,f(x)\,x^2 + 2\,f(x)\,x - 4\,x^2 - f(x) + 2)$$

Sequence: A288176
Score: 7.12402
Type of gen. func.: lgdogf

$$-\frac{4\,x^5 - 8\,x^4 - 4\,x^3 + 8\,x^2 - 2}{2\,x^6 - 8\,x^5 + 3\,x^4 + 8\,x^3 - 4\,x^2 - 2\,x + 1}$$

Sequence: A288206
Score: 10.2171
Type of gen. func.: ogf

$$-\frac{2 (2 x^3 - x^2 - x + 1)}{(x + 1) (2 x - 1) (x - 1)^2}$$

Sequence: A288206
Score: 5.50150
Type of gen. func.: ogf

{-a(n + 4) + 3 a(n + 3) - a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 2, a(1) = 4,

a(2) = 8, a(3) = 18}

Sequence: A288206
Score: 5.65981
Type of gen. func.: ogf

(43 f(x) - 36)

$(2 f(x) x^4 - 3 f(x) x^3 - f(x) x^2 + 4 x^3 + 3 f(x) x - 2 x^2 - f(x) - 2 x + 2)$

Sequence: A288206
Score: 8.19495
Type of gen. func.: lgdogf

$$-\frac{4 x^5 - x^3 + x^2 + 2 x - 2}{4 x^6 - 4 x^5 - 5 x^4 + 7 x^3 - 3 x + 1}$$

Sequence: A288219
Score: 11.9292
Type of gen. func.: lgdogf

$$-\frac{x^2 + 6 x + 4}{x^4 + 3 x^3 + 3 x^2 - 2}$$

Sequence: A288219
Score: 15.3053
Type of gen. func.: ogf

$$-\frac{x^2 + 2x + 2}{x^2 + x - 1}$$

Sequence: A288219
Score: 7.95277
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1), a(0) = 2, a(1) = 4, a(2) = 7\}$$

Sequence: A288219
Score: 8.3627
Type of gen. func.: ogf

$$(-134 + 195 f(x)) (f(x) x^2 + f(x) x + x^2 - f(x) + 2 x + 2)$$

Sequence: A288229
Score: 7.82084
Type of gen. func.: ogf

$$-\frac{(x^6 - x^5 + x^4 - x^3 + x^2 - x + 1) (x + 1)^2}{x^7 - x^6 + 2 x^5 - x^4 + 2 x^3 - x^2 + 2 x - 1}$$

Sequence: A288230
Score: 5.33785
Type of gen. func.: ogf

$$- (x - 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x + 1)^2 / (x^{12} - x^{11} + 2 x^{10} - x^9 + 2 x^8 - x^7 + 2 x^6 - 2 x^5 + x^4 - 2 x^3 + x^2 - 2 x + 1)$$

Sequence: A288237
Score: 11.3738
Type of gen. func.: ogf

$$-\frac{(x^2 - x + 1)(x + 1)^2}{x^3 - x^2 + 2x - 1}$$

Sequence: A288237
Score: 5.41235
Type of gen. func.: ogf

{a(n + 5) - 2 a(n + 4) + a(n + 3) - a(n + 2), a(0) = 1, a(1) = 3, a(2) = 5,

a(3) = 9, a(4) = 17}

Sequence: A288237
Score: 6.38041
Type of gen. func.: ogf

$$-(4 f(x) + 5) (f(x) x^3 + x^4 - f(x) x^2 + x^3 + 2 f(x) x - f(x) + x + 1)$$

Sequence: A288237
Score: 7.47420
Type of gen. func.: lgdogf

$$-\frac{-x^5 + 3x^4 - 8x^3 + 10x^2 - 5x + 3}{x^6 - x^5 + 2x^4 - x^2 + 2x - 1}$$

Sequence: A288260
Score: 13.4981
Type of gen. func.: ogf

$$-\frac{2(2x^3 - 1)}{(x - 1)(3x^3 + x^2 + x - 1)}$$

Sequence: A288260
Score: 7.19059
Type of gen. func.: ogf

$$(f(x) - 2) (3 f(x) x^4 - 2 f(x) x^3 + 4 x^3 - 2 f(x) x + f(x) - 2)$$

Sequence: A288260
Score: 9.15945
Type of gen. func.: lgdogf

$$- \frac{6 x^6 - 4 x^3 + 2}{6 x^7 - 4 x^6 - 7 x^4 + 4 x^3 + 2 x - 1}$$

Sequence: A288268
Score: 19.4907
Type of gen. func.: lgdegf]

$$\frac{x}{x^2 - 2 x + 1}$$

Sequence: A288268
Score: 5.12165
Type of gen. func.: ogf

$$\{(-n^2 - 2 n) a(n + 1) + (2 n + 4) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 0, a(2) = 1\}$$

Sequence: A288269
Score: 10.0886
Type of gen. func.: lgdegf]

$$- \frac{-2 x^2 - 4 x}{x^4 - 4 x^3 + 6 x^2 - 4 x + 1}$$

Sequence: A288270
Score: 9.95640
Type of gen. func.: lgdegf]

$$-\frac{-4 x^2 - 2 x}{x^4 - 4 x^3 + 6 x^2 - 4 x + 1}$$

Sequence: A288271
Score: 6.22024
Type of gen. func.: lgdogf

$$-\frac{79526 x^3 + 705381 x^2 + 611694 x + 86139}{9356 x^4 + 71173 x^3 + 36378 x^2 - 7389 x - 1575}$$

Sequence: A288281
Score: 5.45506
Type of gen. func.: lgdogf

$$-\frac{56868 x^4 + 875184 x^3 + 1494924 x^2 + 579168 x + 48810}{5416 x^5 + 74278 x^4 + 96148 x^3 + 9876 x^2 - 6960 x - 675}$$

Sequence: A288309
Score: 13.4347
Type of gen. func.: ogf

$$-\frac{2 (2 x^2 - 1)}{(x - 1) (3 x^2 + x - 1)}$$

Sequence: A288309
Score: 6.83732
Type of gen. func.: ogf

$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + 3 a(n), a(0) = 2, a(1) = 4, a(2) = 8\}$

Sequence: A288309
Score: 6.89891
Type of gen. func.: ogf

$$-(f(x) - 2) (3 f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + 4 x^2 + f(x) - 2)$$

Sequence: A288309
Score: 9.11643
Type of gen. func.: lgdogf

$$- \frac{-6 x^4 + 5 x^2 - 2}{-6 x^5 + 4 x^4 + 7 x^3 - 4 x^2 - 2 x + 1}$$

Sequence: A288317
Score: 5.28624
Type of gen. func.: ogf

$$-(58 + 105 f(x)) (f(x) x^4 + 2 f(x) x^3 + x^4 - 3 f(x) x^2 + 3 x^3 - f(x) x + 3 x^2 + f(x) - 2 x - 2)$$

Sequence: A288317
Score: 9.45305
Type of gen. func.: ogf

$$- \frac{x^4 + 3 x^3 + 3 x^2 - 2 x - 2}{(x^3 + 3 x^2 - 1) (x - 1)}$$

Sequence: A288341
Score: 16.6250
Type of gen. func.: ogf_with_Euler_transform]

$$x^5 + x^4 + x^3 + x^2 + x + 2$$

Sequence: A288341
Score: 5.65054
Type of gen. func.: ogf

$$- 1/((x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x^2 + x + 1)^2 (x + 1)^3)$$

$$(x - 1)^7)$$

Sequence: A288344
Score: 16.9130
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(\frac{1}{x^8} - \frac{2}{x^9} + 1\right) x^9}{x - 1}$$

Sequence: A288345
Score: 16.3240
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{\left(\frac{1}{x^9} - \frac{2}{x^{10}} + 1\right) x^{10}}{x - 1}$$

Sequence: A288348
Score: 6.94408
Type of gen. func.: ogf

$$-\frac{(x^2 + x + 1)\,(x - 1)^2\,(x + 1)^3}{(x^2 + x - 1)\,(x^3 + x^2 - 1)^2}$$

Sequence: A288380
Score: 8.63988
Type of gen. func.: ogf

$$-\frac{2 x^4 - 4 x^3 + x^2 - 2 x + 2}{(x - 1)\,(x^4 - 2 x^3 + x^2 - 2 x + 1)}$$

Sequence: A288382
Score: 3.67097

Type of gen. func.: ogf

$$-(f(x) - 2)\,(2 f(x) x^3 - x^4 - 5 f(x) x^2 + x^3 + 4 f(x) x - f(x) - 2 x + 1)$$

Sequence: A288382
Score: 6.54391
Type of gen. func.: ogf

$$\frac{x^4 - x^3 + 2 x - 1}{(2 x - 1)(x - 1)^2}$$

Sequence: A288429
Score: 11.2642
Type of gen. func.: ogf

$$-\frac{2 x^3 + x^2 - 2}{(x - 1)(x^3 + x - 1)}$$

Sequence: A288429
Score: 5.87348
Type of gen. func.: ogf

$$-(61 f(x) + 544)$$

$$(f(x) x^4 - f(x) x^3 + f(x) x^2 + 2 x^3 - 2 f(x) x + x^2 + f(x) - 2)$$

Sequence: A288443
Score: 10.4484
Type of gen. func.: ogf

$$(8 f(x) + 65)\,(16 f(x) x^2 - 8 f(x) x + f(x) - 8 x - 2)$$

Sequence: A288443
Score: 10.8215
Type of gen. func.: ogf

$$\{-a(n+2) + 8\,a(n+1) - 16\,a(n),\ a(0) = 2,\ a(1) = 24\}$$

Sequence: A288443
Score: 19.3406
Type of gen. func.: lgdogf

$$-\frac{16\,x + 12}{16\,x^2 - 1}$$

Sequence: A288443
Score: 19.7611
Type of gen. func.: ogf

$$\frac{2\,(4\,x + 1)}{(4\,x - 1)^2}$$

Sequence: A288465
Score: 10.429
Type of gen. func.: ogf

$$-f(x)\,x^4 - 2\,x^3 + 2\,f(x)\,x - 2\,x^2 - f(x) + 2$$

Sequence: A288465
Score: 13.7224
Type of gen. func.: ogf

$$-\frac{2\,(x^3 + x^2 - 1)}{(x - 1)\,(x^3 + x^2 + x - 1)}$$

Sequence: A288465
Score: 7.52093
Type of gen. func.: lgdogf

$$-\frac{-x^6 - 2\,x^5 + x^2 + 2\,x - 2}{-x^7 - x^6 + 3\,x^4 + x^3 - x^2 - 2\,x + 1}$$

Sequence: A288470
Score: 7.85625
Type of gen. func.: lgdogf

$$-\frac{1/4\, I\, (4 x + 1)}{(x + 1)(8 x - 1)^{1/2}\, x} - \frac{(4 x + 1)^2}{4 (8 x - 1)(x + 1)\, x}$$

Sequence: A288476
Score: 10.1236
Type of gen. func.: lgdogf

$$-\frac{-4 x^4 + 4 x^3 - 4 x - 2}{-4 x^5 + 10 x^4 - 7 x^2 + 1}$$

Sequence: A288476
Score: 12.7790
Type of gen. func.: ogf

$$-\frac{2 (2 x + 1)(x - 1)}{2 x^3 - 4 x^2 - x + 1}$$

Sequence: A288476
Score: 6.95996
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 4 a(n + 1) + 2 a(n), a(0) = 2, a(1) = 4, a(2) = 8\}$$

Sequence: A288476
Score: 7.02266
Type of gen. func.: ogf

$$(7 f(x) - 6)(2 f(x) x^3 - 4 f(x) x^2 - f(x) x + 4 x^2 + f(x) - 2 x - 2)$$

```
Sequence:  A288477
Score: 4.02803
Type of gen. func.: ogf


(375299968947540 f(x) + 35212577865466721257704500749)

           2
    (f(x) x  - 2 f(x) x + f(x) - 187402613374813 x - 247371098957)



------------------------------------------------------------------------------

Sequence:  A288477
Score: 5.32402
Type of gen. func.: lgdogf


                       -187402613374813 x - 187897355572727
            - ------------------------------------------------------
                                    2
              -187402613374813 x  + 187155242275856 x + 247371098957



------------------------------------------------------------------------------

Sequence:  A288477
Score: 5.72207
Type of gen. func.: ogf


  {-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 247371098957, a(1) = 187897355572727}



------------------------------------------------------------------------------

Sequence:  A288477
Score: 8.74660
Type of gen. func.: ogf


                        187402613374813 x + 247371098957
                        --------------------------------
                                           2
                                    (x - 1)



------------------------------------------------------------------------------

Sequence:  A288486
Score: 18.0325
Type of gen. func.: lgdogf


                                     3 x + 7
                                   - -------
                                      2
                                     x  - 1



------------------------------------------------------------------------------

Sequence:  A288486
Score: 37.4626
Type of gen. func.: ogf_with_Euler_transform]
```

$$[7 - 2 x]$$

Sequence: A288486
Score: 5.83405
Type of gen. func.: ogf

$$\{(n + 2) a(n + 3) - 7 a(n + 2) + (-n - 3) a(n + 1), a(0) = 0, a(1) = 24, a(2) = 168\}$$

Sequence: A288486
Score: 9.22594
Type of gen. func.: ogf

$$- \frac{24 x (x + 1)^2}{(x - 1)^5}$$

Sequence: A288487
Score: 7.25538
Type of gen. func.: ogf

$$\frac{25 x^4 + 50 x^3 + 42 x^2 + 2 x + 1}{(x - 1)^6}$$

Sequence: A288487
Score: 7.39358
Type of gen. func.: lgdogf

$$- \frac{-50 x^4 - 250 x^3 - 318 x^2 - 94 x - 8}{-25 x^5 - 25 x^4 + 8 x^3 + 40 x^2 + x + 1}$$

Sequence: A288492
Score: 7.69180
Type of gen. func.: ogf

$$\frac{8 x^5 - 22 x^4 + 14 x^3 + 8 x^2 - 6 x + 1}{(4 x - 1) (2 x - 1) (x - 1)^2}$$

Sequence: A288516
Score: 7.26025
Type of gen. func.: lgdogf

$$- \frac{16 x^4 - 42 x^3 + 36 x^2 + 10 x - 12}{8 x^5 - 30 x^4 + 43 x^3 - 25 x^2 + 3 x + 1}$$

Sequence: A288516
Score: 8.67892
Type of gen. func.: ogf

$$- \frac{4 x^3 - 9 x^2 + 6 x + 1}{(2 x - 1) (x - 1)^4}$$

Sequence: A288523
Score: 5.50805
Type of gen. func.: ogf

$$(3 f(x) + 23) ($$

$$2 f(x) x^4 - f(x) x^3 + 2 x^4 - f(x) x^2 + 3 x^3 - f(x) x + x^2 + f(x) - 2 x - 2)$$

Sequence: A288523
Score: 9.46089
Type of gen. func.: ogf

$$- \frac{(x + 1) (2 x^3 + x^2 - 2)}{(x - 1) (2 x^3 + x^2 - 1)}$$

Sequence: A288527
Score: 4.54858

Type of gen. func.: ogf

$$-\frac{2x^7+13x^6+7x^5-43x^4-34x^3+57x^2-19x-3}{(x^2+3x-1)(x^2+2x-1)^2(x-1)^3}$$

Sequence: A288534
Score: 10.0258
Type of gen. func.: ogf

$$\frac{x^4+x^3+8x^2+x+1}{(x-1)^4}$$

Sequence: A288534
Score: 10.9255
Type of gen. func.: lgdogf

$$-\frac{-5x^3-19x^2-19x-5}{-x^5-7x^3+7x^2+1}$$

Sequence: A288534
Score: 5.64363
Type of gen. func.: ogf

$$(1799+2280 f(x))\,(f(x)x^4-4f(x)x^3-x^4+6f(x)x^2-x^3-4f(x)x-8x^2+f(x)-x-1)$$

Sequence: A288571
Score: 10.1589
Type of gen. func.: ogf

$$-\frac{(x^2+1)(x+1)}{(4x-1)(x^2+x+1)(x-1)^2}$$

Sequence: A288571
Score: 6.79929
Type of gen. func.: lgdogf

$$-\frac{8x^6+15x^5+21x^4+31x^3+3x^2-6}{4x^7+3x^6+3x^5-x^4-4x^3-3x^2-3x+1}$$

Sequence: A288599
Score: 11.9241
Type of gen. func.: ogf

$$-\frac{2(x+1)(x^3+x-1)}{(x-1)(x^3+x^2+x-1)}$$

Sequence: A288599
Score: 7.38158
Type of gen. func.: ogf

$$(7f(x)-5)(f(x)x^4+2x^4+2x^3-2f(x)x+2x^2+f(x)-2)$$

Sequence: A288603
Score: 10.9418
Type of gen. func.: ogf

$$-f(x)x^3-2x^3+2f(x)x-2x^2-f(x)+2$$

Sequence: A288603
Score: 14.3971
Type of gen. func.: ogf

$$-\frac{2(x^3+x^2-1)}{(x-1)(x^2+x-1)}$$

Sequence: A288603

Score: 7.19857
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) + a(n + 1), a(0) = 2, a(1) = 4, a(2) = 6, a(3) = 8\}$$

Sequence: A288603
Score: 7.89074
Type of gen. func.: lgdogf

$$- \frac{-x^4 - 4 x^3 + 4 x^2 + 2 x - 2}{-x^6 - x^5 + 2 x^4 + 2 x^3 - x^2 - 2 x + 1}$$

Sequence: A288604
Score: 3.94694
Type of gen. func.: ogf

$$\frac{3 x (17 x^6 + 486 x^5 + 2943 x^4 + 5204 x^3 + 2943 x^2 + 486 x + 17)}{(x - 1)^{10}}$$

Sequence: A288637
Score: 5.86640
Type of gen. func.: ogf

$$\frac{x^5 - 2 x^4 - 16 x^3 + 15 x^2 - 14 x + 6}{(2 x^5 + 3 x^4 - 7 x^3 + 12 x^2 - 7 x + 1) (x - 1)^2}$$

Sequence: A288657
Score: 10.7575
Type of gen. func.: ogf

$$- \frac{x (68 x^{26} - 68 x^{25} + 6 x^4 - 6 x^3 - 1)}{(x - 1)^2}$$

Sequence: A288658

Score: 13.2147
Type of gen. func.: ogf

$$-\frac{22x^7-22x^6+3x-4}{(x-1)^2}$$

Sequence: A288660
Score: 10.2931
Type of gen. func.: ogf

$$-\frac{25x^{15}-25x^{14}+5x^3-5x^2+2x-3}{(x-1)^2}$$

Sequence: A288661
Score: 6.59332
Type of gen. func.: ogf

$$\frac{1000x^6-1010x^4+10x^3+110x^2-10x-1}{(x+1)(x-1)(10x+1)(10x-1)(10x^2-1)}$$

Sequence: A288662
Score: 6.98091
Type of gen. func.: ogf

$$\frac{1000x^6-1010x^4+100x^3+11x^2-x-1}{(x+1)(x-1)(10x+1)(10x-1)(10x^2-1)}$$

Sequence: A288663
Score: 8.49162
Type of gen. func.: ogf

$$\frac{8x^6-10x^4+2x^3+6x^2-2x-1}{(x-1)(2x+1)(2x-1)(x+1)(2x^2-1)}$$

Sequence: A288664
Score: 8.69001
Type of gen. func.: ogf

$$\frac{8 x^6 - 10 x^4 + 4 x^3 + 3 x^2 - x - 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1) (2 x^2 - 1)}$$

Sequence: A288668
Score: 14.3025
Type of gen. func.: ogf

$$- \frac{3 x^2 + 4 x + 2}{2 x^3 + x^2 - 1}$$

Sequence: A288668
Score: 8.15242
Type of gen. func.: lgdogf

$$- \frac{-6 x^4 - 16 x^3 - 16 x^2 - 10 x - 4}{-6 x^5 - 11 x^4 - 8 x^3 + x^2 + 4 x + 2}$$

Sequence: A288668
Score: 8.15242
Type of gen. func.: ogf

$$-(207 f(x) + 13) (2 f(x) x^3 + f(x) x^2 + 3 x^2 - f(x) + 4 x + 2)$$

Sequence: A288668
Score: 8.67279
Type of gen. func.: ogf

{a(n + 3) - a(n + 1) - 2 a(n), a(0) = 2, a(1) = 4, a(2) = 5}

Sequence: A288687
Score: 6.78277
Type of gen. func.: ogf

$$\frac{16 x^5 - 38 x^4 + 48 x^3 - 31 x^2 + 9 x - 1}{(4 x - 1) (2 x - 1)^2 (x - 1)^2}$$

Sequence: A288688
Score: 3.26552
Type of gen. func.: ogf

$$- (60 x^{10} - 422 x^9 + 1044 x^8 - 1855 x^7 + 2394 x^6 - 2122 x^5 + 1273 x^4 - 504 x^3 + 124 x^2 - 17 x + 1) \Big/ ((5 x - 1) (3 x - 1) (2 x - 1)^3 (x - 1)^4)$$

Sequence: A288697
Score: 13.7285
Type of gen. func.: ogf

$$- \frac{10 x^4 - x^2 + x + 1}{(x - 1) (x + 1)}$$

Sequence: A288697
Score: 8.84724
Type of gen. func.: ogf

$$(2000 f(x) - 1799) (10 x^4 + f(x) x^2 - x^2 - f(x) + x + 1)$$

Sequence: A288698
Score: 10.2316
Type of gen. func.: ogf

$$- \frac{1000 x^4 - 100 x^2 + 10 x + 1}{(10 x - 1) (10 x + 1)}$$

Sequence: A288698
Score: 7.1511
Type of gen. func.: ogf

$$(f(x) + 509) (1000 x^4 + 100 f(x) x^2 - 100 x^2 - f(x) + 10 x + 1)$$

Sequence: A288699
Score: 13.5975
Type of gen. func.: ogf

$$- \frac{2 x^4 - x^2 + x + 1}{(x - 1) (x + 1)}$$

Sequence: A288699
Score: 9.22686
Type of gen. func.: ogf

$$(16 f(x) - 7) (2 x^4 + f(x) x^2 - x^2 - f(x) + x + 1)$$

Sequence: A288700
Score: 13.4249
Type of gen. func.: ogf

$$- \frac{8 x^4 - 4 x^2 + 2 x + 1}{(2 x - 1) (2 x + 1)}$$

Sequence: A288700
Score: 7.97104
Type of gen. func.: lgdogf

$$- \frac{64 x^5 - 32 x^3 - 8 x^2 - 2}{-32 x^6 + 24 x^4 - 8 x^3 - 8 x^2 + 2 x + 1}$$

Sequence: A288700
Score: 9.21952
Type of gen. func.: ogf

$$(f(x) + 5) (8 x^4 + 4 f(x) x^2 - 4 x^2 - f(x) + 2 x + 1)$$

Sequence: A288714
Score: 5.24606
Type of gen. func.: ogf

$$- \frac{2 (152 x^5 - 580 x^4 + 764 x^3 - 360 x^2 + 14 x + 13)}{(4 x - 1)^2 (x - 1)^2 (2 x - 1)^3}$$

Sequence: A288719
Score: 4.50326
Type of gen. func.: ogf

$$- \frac{3 x (x^9 - 6 x^8 + 13 x^7 - 8 x^6 - 15 x^5 + 34 x^4 - 29 x^3 + 14 x^2 + 9 x + 2)}{(x - 1)^7}$$

Sequence: A288720
Score: 4.84456
Type of gen. func.: ogf

{a(n + 4) - 14 a(n + 3) + 56 a(n + 2) - 64 a(n + 1), a(0) = 0, a(1) = 1,

a(2) = 16, a(3) = 184}

Sequence: A288720
Score: 5.30965
Type of gen. func.: ogf

$$-(236 f(x) + 5) (64 f(x) x^3 - 56 f(x) x^2 + 16 x^3 + 14 f(x) x + 2 x^2 - f(x) + x)$$

Sequence: A288720
Score: 9.61891
Type of gen. func.: ogf

$$- \frac{x (16 x^2 + 2 x + 1)}{\quad}$$

$$(8 x - 1) (2 x - 1) (4 x - 1)$$

Sequence: A288732
Score: 10.5635
Type of gen. func.: ogf

$$-\frac{2 (x^4 - x^3 - x^2 - x - 1)}{(x - 1) (2 x^4 - 1)}$$

Sequence: A288761
Score: 6.03830
Type of gen. func.: ogf

$$\frac{1000000 x^9 - 1000000 x^7 - 1000 x^6 + 1000 x^4 + 10 x^3 - x^2 + x + 1}{(x - 1) (10 x + 1) (10 x - 1) (x + 1)}$$

Sequence: A288762
Score: 8.49178
Type of gen. func.: ogf

$$\frac{8 x^9 - 2 x^7 - 8 x^6 + 2 x^4 + 4 x^3 - 4 x^2 + 2 x + 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A288763
Score: 7.90760
Type of gen. func.: ogf

$$\frac{64 x^9 - 64 x^7 - 8 x^6 + 8 x^4 + 2 x^3 - x^2 + x + 1}{(x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A288780
Score: 3.82497
Type of gen. func.: ogf

$$\{(n^3 + 7 n^2 + 16 n + 12) a(n + 1) + (-n^3 - 7 n^2 - 15 n - 9) a(n + 2)$$

$+ (n^2 + 3 n + 2) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 2\}$

Sequence: A288795
Score: 11.7050
Type of gen. func.: ogf

$$- \frac{24 x^2 - 47 x + 11}{(x - 1) (3 x - 1) (4 x - 1)}$$

Sequence: A288795
Score: 6.38455
Type of gen. func.: ogf

$(211 f(x) - 3612)$

$$(12 f(x) x^3 - 19 f(x) x^2 + 8 f(x) x + 24 x^2 - f(x) - 47 x + 11)$$

Sequence: A288795
Score: 6.54687
Type of gen. func.: ogf

$\{a(n + 3) - 8 a(n + 2) + 19 a(n + 1) - 12 a(n), a(0) = 11, a(1) = 41,$

$a(2) = 143\}$

Sequence: A288825
Score: 7.58701
Type of gen. func.: ogf

$$\frac{100 x^5 - 10 x^4 - 100 x^3 + 20 x^2 - 1}{(x - 1) (10 x - 1) (10 x^2 - 1)}$$

Sequence: A288826
Score: 7.42559
Type of gen. func.: ogf

$$1000 x^5 - 1000 x^4 - 10 x^3 + 20 x^2 - 1$$

$$(x - 1) (10 x - 1) (10 x^2 - 1)$$

Sequence: A288827
Score: 9.58302
Type of gen. func.: ogf

$$\frac{4 x^5 - 2 x^4 - 4 x^3 + 4 x^2 - 1}{(2 x - 1) (x - 1) (2 x^2 - 1)}$$

Sequence: A288828
Score: 9.53986
Type of gen. func.: ogf

$$\frac{8 x^5 - 8 x^4 - 2 x^3 + 4 x^2 - 1}{(2 x - 1) (x - 1) (2 x^2 - 1)}$$

Sequence: A288834
Score: 15.1366
Type of gen. func.: lgdogf

$$- \frac{-9 x + 9}{-9 x^2 + 9 x - 2}$$

Sequence: A288834
Score: 16.1457
Type of gen. func.: ogf

$$- \frac{3 x - 2}{(3 x - 1)^2}$$

Sequence: A288834
Score: 8.35121
Type of gen. func.: ogf

2

$$(14 f(x) + 53) (9 f(x) x - 6 f(x) x + f(x) + 3 x - 2)$$

Sequence: A288834
Score: 8.86044
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 9 a(n), a(0) = 2, a(1) = 9\}$$

Sequence: A288835
Score: 13.0011
Type of gen. func.: ogf

$$\frac{3 (3 x - 2)}{(3 x - 1)^3}$$

Sequence: A288835
Score: 14.3012
Type of gen. func.: lgdogf

$$- \frac{-18 x + 15}{-9 x^2 + 9 x - 2}$$

Sequence: A288835
Score: 6.11163
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 27 a(n + 1) - 27 a(n), a(0) = 6, a(1) = 45, a(2) = 243\}$$

Sequence: A288835
Score: 6.62095
Type of gen. func.: ogf

$$(19 f(x) - 180) (27 f(x) x^3 - 27 f(x) x^2 + 9 f(x) x - f(x) - 9 x + 6)$$

Sequence: A288836

Score: 10.8820
Type of gen. func.: ogf

```
                                   9 (3 x - 2)
                                 - -----------
                                            4
                                   (3 x - 1)
```

Sequence: A288836
Score: 14.7995
Type of gen. func.: lgdogf

```
                                   -27 x + 21
                               - ---------------
                                     2
                                 -9 x  + 9 x - 2
```

Sequence: A288836
Score: 4.68339
Type of gen. func.: ogf

```
{(2 n + 6) a(n + 3) + (-39 - 9 n) a(n + 2) + (36 + 9 n) a(n + 1), a(0) = 18,

    a(1) = 189, a(2) = 1296}
```

Sequence: A288836
Score: 5.60588
Type of gen. func.: ogf

```
(61 f(x) + 2178)

              4             3            2
    (81 f(x) x  - 108 f(x) x  + 54 f(x) x  - 12 f(x) x + f(x) + 27 x - 18)
```

Sequence: A288838
Score: 14.8988
Type of gen. func.: lgdogf

```
                                   -36 x + 27
                               - ---------------
                                     2
                                 -9 x  + 9 x - 2
```

Sequence: A288838
Score: 4.71482
Type of gen. func.: ogf

$$\{(2 n + 6) a(n + 3) + (-45 - 9 n) a(n + 2) + (45 + 9 n) a(n + 1), a(0) = 54,$$
$$a(1) = 729, a(2) = 6075\}$$

Sequence: A288838
Score: 9.42963
Type of gen. func.: ogf

$$\frac{27 (3 x - 2)}{(3 x - 1)^{5}}$$

Sequence: A288844
Score: 8.27403
Type of gen. func.: ogf

$$(f(x) - 1)^{2} (-2592899910 x^{4} + f(x) - 1)$$

Sequence: A288876
Score: 6.38823
Type of gen. func.: ogf

$$- \frac{x^{4} + 16 x^{3} + 36 x^{2} + 16 x + 1}{(x - 1)^{9}}$$

Sequence: A288876
Score: 7.06341
Type of gen. func.: ogf

$$\{(n^{2} + 12 n + 36) a(n + 1) + (-n^{2} - 4 n - 4) a(n + 2), a(0) = 1, a(1) = 25\}$$

Sequence: A288876
Score: 8.11962
Type of gen. func.: lgdogf

$$- \frac{-5 x^{4} - 100 x^{3} - 300 x^{2} - 200 x - 25}{}$$

$$-x^5 - 15 x^4 - 20 x^3 + 20 x^2 + 15 x + 1$$

Sequence: A288913
Score: 11.3807
Type of gen. func.: lgdogf

$$-\frac{x^2 + 8 x - 29}{x^3 - 3 x^2 - 27 x + 4}$$

Sequence: A288913
Score: 16.6916
Type of gen. func.: ogf

$$\frac{x + 4}{x^2 - 7 x + 1}$$

Sequence: A288913
Score: 8.53549
Type of gen. func.: ogf

$$(195 f(x) + 61) (f(x) x^2 - 7 f(x) x + f(x) - x - 4)$$

Sequence: A288913
Score: 9.04967
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) - a(n), a(0) = 4, a(1) = 29\}$$

Sequence: A288914
Score: 7.12619
Type of gen. func.: ogf

$$- (x^{39} - x^{38} + x^{37} - x^{36} + x^{35} - x^{34} + x^{31} - x^{26} + x^{25} - x^{24} + x^{23} + x^7 - x^6 + x^5 + x + 2)/(x - 1)$$

Sequence: A288918
Score: 10.6326
Type of gen. func.: lgdogf

$$-\frac{x^2 + 42 x + 29}{x^3 + 19 x^2 - 17 x - 3}$$

Sequence: A288918
Score: 10.9548
Type of gen. func.: ogf

$$-\frac{x (x^2 + 20 x + 3)}{(x - 1)^3}$$

Sequence: A288918
Score: 5.43624
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 0, a(1) = 3, a(2) = 29,

a(3) = 79}

Sequence: A288918
Score: 5.78416
Type of gen. func.: ogf

(33912 f(x) - 225745)

$$(f(x) x^3 - 3 f(x) x^2 + x^3 + 3 f(x) x + 20 x^2 - f(x) + 3 x)$$

Sequence: A288919
Score: 10.0702
Type of gen. func.: lgdogf

$$-\frac{10 x + 44}{5 x^2 + 8 x - 13}$$

Sequence: A288919
Score: 3.86151
Type of gen. func.: ogf

$\{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 0, a(1) = 0, a(2) = 52, a(3) = 176\}$

Sequence: A288919
Score: 4.71175
Type of gen. func.: ogf

$$-f(x) (f(x) x^3 - 3 f(x) x^2 + 20 x^3 + 3 f(x) x + 52 x^2 - f(x))$$

Sequence: A288919
Score: 8.15208
Type of gen. func.: ogf

$$-\frac{4 x^2 (5 x + 13)}{(x - 1)^3}$$

Sequence: A288920
Score: 10.8131
Type of gen. func.: ogf

$$\frac{2 x^2 (7 x^2 - 92 x - 41)}{(x - 1)^3}$$

Sequence: A288920
Score: 11.1177
Type of gen. func.: lgdogf

$$-\frac{-7 x^2 + 170 x + 215}{-7 x^3 + 99 x^2 - 51 x - 41}$$

Sequence: A288920
Score: 5.33349
Type of gen. func.: ogf

$$\{-a(n + 5) + 3 a(n + 4) - 3 a(n + 3) + a(n + 2), a(0) = 0, a(1) = 0, a(2) = 82,$$
$$a(3) = 430, a(4) = 1030\}$$

Sequence: A288920
Score: 5.55885
Type of gen. func.: ogf

$$-(6810461 f(x) + 2040973759)$$
$$(f(x) x^3 - 14 x^4 - 3 f(x) x^2 + 184 x^3 + 3 f(x) x + 82 x^2 - f(x))$$

Sequence: A288925
Score: 9.49487
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^3 - 2 x^2 - 2)}{2 x^5 - 3 x^4 - x^2 - x + 1}$$

Sequence: A288937
Score: 8.79291
Type of gen. func.: ogf

$$-\frac{x^6 - 2 x^5 + 3 x^4 - 2 x^3 + x^2 - x + 1}{(x - 1)^3}$$

Sequence: A288944
Score: 3.73330
Type of gen. func.: egf]

$$\frac{128 x^5 - 128 x^4 + 24 x^3 + 8 x^2 - 2 x + 1}{(2 x - 1)^2}$$

Sequence: A288947
Score: 5.79270
Type of gen. func.: ogf

$$\frac{10 x^7 + 9 x^6 - 22 x^5 - 3 x^4 + 19 x^3 + 7 x^2 - x + 1}{(x + 1)^2 (x - 1)^4}$$

Sequence: A288950
Score: 3.54413
Type of gen. func.: ogf

$$\{(2 n^3 + 3 n^2 - 3 n - 2) a(n + 1) + (-2 n^3 - 12 n^2 - 16 n) a(n + 2) + (n^2 + 3 n) a(n + 3), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 2\}$$

Sequence: A288952
Score: 18.0826
Type of gen. func.: lgdegf]

$$- \frac{x}{x^2 + x - 1}$$

Sequence: A288952
Score: 5.12981
Type of gen. func.: ogf

$$\{(n^2 + 4 n + 4) a(n + 1) + (n + 2) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 0, a(2) = 1\}$$

Sequence: A288953
Score: 3.38969
Type of gen. func.: ogf

$$\{(-n^3 - 8 n^2 - 20 n - 16) a(n + 1) + (n^2 + 6 n + 9) a(n + 2) + (n + 4) a(n + 3) - a(n + 4), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 10\}$$

Sequence: A288958
Score: 7.92444
Type of gen. func.: ogf

$$-\frac{4x^4-12x^3+9x^2-5x+2}{(2x-1)^2(x-1)^3}$$

Sequence: A288959
Score: 10.5664
Type of gen. func.: lgdogf

$$-\frac{4x^3+48x^2+72x+16}{x^4+8x^3-8x-1}$$

Sequence: A288959
Score: 6.54942
Type of gen. func.: ogf

$$\{(n^2+8n+16)a(n+1)+(-n^2-2n-1)a(n+2),\ a(0)=0,\ a(1)=18\}$$

Sequence: A288959
Score: 6.89113
Type of gen. func.: ogf

$$-\frac{18x(x+1)(x^2+8x+1)}{(x-1)^7}$$

Sequence: A288960
Score: 6.25221
Type of gen. func.: ogf

$$\frac{12x^2(x^4-8x^3+8x^2+64x+5)}{(x-1)^8}$$

Sequence: A288960
Score: 8.09810
Type of gen. func.: lgdogf

$$-\frac{4 x^{4} - 36 x^{3} + 24 x^{2} + 464 x + 104}{x^{5} - 9 x^{4} + 16 x^{3} + 56 x^{2} - 59 x - 5}$$

Sequence: A288961
Score: 11.0366
Type of gen. func.: lgdogf

$$-\frac{4 x + 16}{x^{2} + 2 x - 3}$$

Sequence: A288961
Score: 3.62947
Type of gen. func.: ogf

$$\{(3 + 3 n) a(n + 3) + (-16 - 2 n) a(n + 2) + (-3 - n) a(n + 1), a(0) = 0,$$

$$a(1) = 0, a(2) = 6\}$$

Sequence: A288961
Score: 6.84546
Type of gen. func.: ogf

$$-\frac{2 x^{2} (x + 3)}{(x - 1)^{5}}$$

Sequence: A288962
Score: 11.7610
Type of gen. func.: lgdogf

$$-\frac{-15 x^{3} - 99 x^{2} - 57 x - 9}{{}^{4} \qquad {}^{3} \qquad {}^{2}}$$

$$-5 x - 16 x + 18 x + 2 x + 1$$

Sequence: A288962
Score: 5.20670
Type of gen. func.: ogf

$$\{(487 n^2 + 2939 n + 4434) a(n + 1) + (-494 n^2 - 404 n + 1494) a(n + 2) + (7 n^2 - 135 n - 298) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 9\}$$

Sequence: A288962
Score: 9.89788
Type of gen. func.: ogf

$$\frac{x (5 x^3 + 21 x^2 + 3 x + 1)}{(x - 1)^6}$$

Sequence: A288963
Score: 4.16983
Type of gen. func.: ogf

$$\{(-3 n^2 - 19 n - 30) a(n + 1) + (2 n^2 - 14 n - 64) a(n + 2) + (n^2 + 9 n + 8) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 36\}$$

Sequence: A288963
Score: 6.30821
Type of gen. func.: ogf

$$- \frac{12 x^2 (x^3 + 5 x^2 + 3 x + 3)}{(x - 1)^7}$$

Sequence: A288963
Score: 9.34253
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 28 x^2 + 28 x + 24}{x^4 + 4 x^3 - 2 x^2 - 3}$$

Sequence: A288964
Score: 4.21021
Type of gen. func.: ogf

$$\{(n^3 + 7 n^2 + 16 n + 12) a(n + 1) + (-2 n^2 - 9 n - 8) a(n + 2)$$
$$+ (n + 1) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A288989
Score: 12.0778
Type of gen. func.: ogf

$$-691 f(x) x + f(x) - 1$$

Sequence: A288989
Score: 22.5803
Type of gen. func.: ogf

$$-\frac{1}{691 x - 1}$$

Sequence: A288989
Score: 9.61752
Type of gen. func.: ogf

$$\{a(n + 1) - 691 a(n), a(0) = 1\}$$

Sequence: A288994
Score: 5.06223
Type of gen. func.: ogf

$$\frac{x (2 x^7 - 5 x^6 + 9 x^5 - 18 x^4 + 16 x^3 - 15 x^2 + x - 2)}{(x - 1)^3 (x^2 + 1)^3}$$

Sequence: A289004
Score: 5.88737
Type of gen. func.: ogf

$$-\frac{3x^9+2x^8+x^7+2x^6+x^4-x^3-x^2-2}{(x-1)(x^9+x^8+2x^7+x^6+x^5+2x^4+x-1)}$$

Sequence: A289006
Score: 13.9351
Type of gen. func.: ogf

$$\frac{x(x+1)(4x^2+2x+1)}{(x-1)(x^2+x+1)(10x^3-1)}$$

Sequence: A289022
Score: 3.94353
Type of gen. func.: ogf

$$-\frac{3(2916x^7-1890x^6+954x^5-499x^4-247x^3+209x^2-37x+2)}{(2x+1)(x-1)(2x^2+1)(9x-1)^2(3x-1)^2}$$

Sequence: A289031
Score: 9.06174
Type of gen. func.: lgdogf

$$\frac{3I}{(4x-1)^{1/2}x}-\frac{5x-3}{(x-1)x}$$

Sequence: A289058
Score: 4.91655
Type of gen. func.: ogf

$$-(3x^{16}-3x^{15}+x^{13}-x^{12}+x^{11}-2x^8+3x^7-2x^6-x^5+x^4-x^3+x^2+1$$

```
        /    2                    3
```

```
    )  /  ((x  + 1) (x + 1) (x - 1) )
      /
```

Sequence: A289060
Score: 9.61508
Type of gen. func.: ogf

$$-\frac{(x^3+x^2+2)(x^4-x+1)}{(x-1)^3}$$

Sequence: A289077
Score: 5.53324
Type of gen. func.: ogf

$$\frac{x^9-2x^8+x^7+x^6-x^5-x^4-x^3+3x^2-2}{(x+1)(x^4-x^3+x^2+x-1)(x-1)^2}$$

Sequence: A289096
Score: 4.03471
Type of gen. func.: ogf

$\{-a(n+4)+10\,a(n+3)+a(n+2)-10\,a(n+1),\ a(0)=1,\ a(1)=10,$

$a(2)=111,\ a(3)=1110,\ a(4)=11101,\ a(5)=111110\}$

Sequence: A289096
Score: 8.83551
Type of gen. func.: ogf

$$\frac{100x^5-10x^4+10x^2+1}{(x-1)(10x-1)(x+1)}$$

Sequence: A289097
Score: 3.88400
Type of gen. func.: ogf

$\{a(n+4)-a(n+3)-100\,a(n+2)+100\,a(n+1),\ a(0)=1,\ a(1)=1,$

$a(2) = 111, a(3) = 111, a(4) = 10111, a(5) = 11111\}$

Sequence: A289097
Score: 7.95295
Type of gen. func.: ogf

$$\frac{1000 x^5 - 1000 x^4 + 10 x^2 + 1}{(10 x - 1) (10 x + 1) (x - 1)}$$

Sequence: A289098
Score: 10.6332
Type of gen. func.: ogf

$$\frac{4 x^5 - 2 x^4 + 2 x^2 + 1}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A289098
Score: 4.88192
Type of gen. func.: ogf

$\{a(n + 4) - 2 a(n + 3) - a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 7,$

$a(3) = 14, a(4) = 29, a(5) = 62\}$

Sequence: A289099
Score: 10.8689
Type of gen. func.: ogf

$$\frac{8 x^5 - 8 x^4 + 2 x^2 + 1}{(2 x - 1) (2 x + 1) (x - 1)}$$

Sequence: A289099
Score: 5.02172
Type of gen. func.: ogf

$\{-a(n + 4) + a(n + 3) + 4 a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 7,$

$a(3) = 7, a(4) = 23, a(5) = 31\}$

Sequence: A289107
Score: 13.8102
Type of gen. func.: ogf

$$\frac{2 x^{4} - x^{2} + 2}{(x - 1) (x^{2} + x - 1)}$$

Sequence: A289107
Score: 6.14985
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) + a(n + 1), a(0) = 2, a(1) = 4, a(2) = 7, a(3) = 12, a(4) = 22\}$$

Sequence: A289107
Score: 7.8718
Type of gen. func.: ogf

$$(17 f(x) - 168) (f(x) x^{3} - 2 x^{4} - 2 f(x) x + x^{2} + f(x) - 2)$$

Sequence: A289111
Score: 4.08174
Type of gen. func.: ogf

$$(53614281278220 f(x) + 5030387790310887068706062323) (f(x) x^{2} - 2 f(x) x + f(x) - 187205170838539 x - 444813635231)$$

Sequence: A289111
Score: 5.56602
Type of gen. func.: lgdogf

$$- \frac{-26743595834077 x - 26870685444143}{-26743595834077 x^{2} + 26680051029044 x + 63544805033}$$

Sequence: A289111
Score: 5.72207
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 444813635231, a(1) = 188094798109001\}$$

Sequence: A289111
Score: 8.74660
Type of gen. func.: ogf

$$\frac{7 (26743595834077 x + 63544805033)}{(x - 1)^2}$$

Sequence: A289115
Score: 7.51313
Type of gen. func.: ogf

$$- \frac{x^9 - x^8 + x^4 - x^3 + x^2 - 2 x + 2}{(x^3 + x - 1) (x - 1)^2}$$

Sequence: A289116
Score: 19.5801
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A289120
Score: 10.9865
Type of gen. func.: lgdogf

$$- \frac{-3 x^9 - 2 x^7 - 9 x^6 - 2 x^5 - 2 x^4 - 2 x^3 - 6 x^2 - 2 x}{-x^{10} - x^7 + x^3 + 1}$$

Sequence: A289120
Score: 13.3491
Type of gen. func.: ogf

$$\frac{x^2 (x + 1) (x^2 - x + 1)^2}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A289120
Score: 30.2144
Type of gen. func.: ogf_with_Euler_transform]

$$x (x^5 - 2 x^4 + 2 x + 1)$$

Sequence: A289121
Score: 8.49342
Type of gen. func.: lgdogf

$$- \frac{-2 x^4 - 2 x^3 - 36 x^2 + 14 x - 4}{-2 x^5 + 5 x^4 - 18 x^3 + 26 x^2 - 14 x + 3}$$

Sequence: A289121
Score: 8.84366
Type of gen. func.: ogf

$$- \frac{2 x^4 - 3 x^3 + 15 x^2 - 11 x + 3}{(x - 1)^5}$$

Sequence: A289122
Score: 15.3371
Type of gen. func.: ogf_with_Euler_transform]

$$x^{10} - x^9 - x^5 + x^4 + x^2 + x$$

Sequence: A289122
Score: 8.65157
Type of gen. func.: ogf

3 2 4 3 2

$$\frac{x\ (x + 1)\ (x - x + 1)\ (x - x + x - x + 1)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\ (x - 1)^2}$$

Sequence: A289131
Score: 8.08896
Type of gen. func.: ogf

$$-\frac{2 x^5 + 2 x^4 - 2 x^3 - 3 x^2 + 2 x + 2}{(x + 1)\ (2 x^2 - 1)\ (x - 1)^2}$$

Sequence: A289133
Score: 14.1048
Type of gen. func.: ogf

$$\frac{x^3\ (x + 1)\ (x^4 - x^3 + x^2 - x + 1)}{(x^2 + x + 1)\ (x^6 + x^3 + 1)\ (x - 1)^2}$$

Sequence: A289133
Score: 23.5682
Type of gen. func.: ogf_with_Euler_transform]

$$-x^9 + x^8 + x^4 + 1$$

Sequence: A289134
Score: 11.1193
Type of gen. func.: lgdogf

$$-\frac{13 x^2 + 82 x + 31}{13 x^3 + 15 x^2 - 27 x - 1}$$

Sequence: A289134
Score: 12.3548
Type of gen. func.: ogf

$$-\frac{13x^2+28x+1}{(x-1)^3}$$

Sequence: A289134
Score: 6.37995
Type of gen. func.: ogf

$$(52871 f(x) - 879737)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 13 x^2 - f(x) + 28 x + 1)$$

Sequence: A289134
Score: 6.76830
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 31, a(2) = 103\}$$

Sequence: A289139
Score: 11.1082
Type of gen. func.: ogf

$$\frac{x^2 (x + 1) (x^4 + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A289139
Score: 20.7936
Type of gen. func.: ogf_with_Euler_transform]

$$-x^7 + x^6 + x^3 - x + 2$$

Sequence: A289143
Score: 6.89300
Type of gen. func.: ogf

$$- x^2 (x^{13} - 3 x^{12} + 3 x^{11} - 3 x^9 + 3 x^8 - 3 x^6 + 3 x^5 - 3 x^3 + 6 x^2 - 6 x + 3)$$

/   2   4   2   3

```
      /  ((x  + 1) (x  - x  + 1) (x - 1) )
     /
```

Sequence: A289147
Score: 15.0411
Type of gen. func.: lgdegf]

$$-\frac{-x+5}{-x^2+2x-1}$$

Sequence: A289147
Score: 5.04875
Type of gen. func.: ogf

$$\{(-n^2-4n-4)\,a(n+1)+(2n+9)\,a(n+2)-a(n+3),\ a(0)=1,\ a(1)=5,\ a(2)=34\}$$

Sequence: A289148
Score: 3.92243
Type of gen. func.: ogf

$$-(f(x)-1)(2775599992570319209000\,x^6+112836966547968\,f(x)\,x-1666013203\,f(x)-112836966547968\,x+1666013203)$$

Sequence: A289149
Score: 19.4508
Type of gen. func.: ogf

$$(f(x)-1)^2$$

Sequence: A289150
Score: 6.84319
Type of gen. func.: ogf

$$\frac{10x^4-x^2+x-1}{(x-1)(10x-1)(10x^2-1)(x^2+1)}$$

Sequence: A289156
Score: 5.51237
Type of gen. func.: ogf

$$\frac{12 (5 x^4 + 72 x^3 + 166 x^2 + 72 x + 5)}{(x - 1)^6}$$

Sequence: A289161
Score: 6.52648
Type of gen. func.: ogf

$$-\frac{2 x^2 (x^4 + x^3 + 4 x^2 + x + 1)}{(x + 1)^3 (x - 1)^5}$$

Sequence: A289162
Score: 5.33828
Type of gen. func.: ogf

$$\frac{x^3 (5 x^5 + 8 x^4 + 40 x^3 + 10 x^2 + 27 x + 6)}{(x + 1)^4 (x - 1)^6}$$

Sequence: A289163
Score: 4.33308
Type of gen. func.: ogf

$$-\frac{2 x^3 (6 x^7 + 15 x^6 + 104 x^5 + 19 x^4 + 146 x^3 + 57 x^2 + 32 x + 5)}{(x + 1)^5 (x - 1)^7}$$

Sequence: A289179
Score: 10.2866
Type of gen. func.: lgdogf

3   2

$$- \frac{20 x + 20 x + 20 x + 4}{5 x^{4} + 2 x^{3} - 4 x^{2} - 2 x - 1}$$

Sequence: A289179
Score: 9.59311
Type of gen. func.: ogf

$$\frac{x (5 x^{2} + 2 x + 1)}{(x + 1)^{2} (x - 1)^{4}}$$

Sequence: A289181
Score: 8.05823
Type of gen. func.: lgdogf

$$- \frac{2 x^{4} - 8 x^{3} + 25 x^{2} + 144 x + 41}{-2 x^{5} - 5 x^{4} + 53 x^{3} - 20 x^{2} - 21 x - 5}$$

Sequence: A289181
Score: 9.12086
Type of gen. func.: ogf

$$\frac{4 x^{3} (2 x^{4} + 7 x^{3} - 46 x^{2} - 26 x - 5)}{(x - 1)^{3}}$$

Sequence: A289188
Score: 5.55456
Type of gen. func.: ogf

$$- \frac{x^{26} - x^{25} + x^{15} - x^{13} + x^{8} - x^{6} + x^{5} - x^{4} - x^{3} - x^{2} - 2}{(x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A289195
Score: 13.3502

Type of gen. func.: ogf

$$\frac{2\,(x^2 - x + 1)\,x^2\,(x + 1)}{(x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A289195
Score: 21.9326
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^4 + x^2 + 1$$

Sequence: A289199
Score: 7.59056
Type of gen. func.: ogf

$$x^2\,(x + 1)\,(x^2 - x + 1)\,(2\,x^8 + x^6 + x^2 + 2) \Big/ \left((x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2\right)$$

Sequence: A289203
Score: 11.5832
Type of gen. func.: ogf

$$\frac{4\,x^5 + x^4 - 5\,x^3 - x^2 - x - 1}{(x - 1)\,(x + 1)}$$

Sequence: A289205
Score: 9.25160
Type of gen. func.: ogf

$$(x + 1)\,(2\,x^{12} - 2\,x^{11} + x^{10} + x^9 - 2\,x^8 + 2\,x^7 - 3\,x^6 + 3\,x^5 - x^4 + 2\,x^3 + x^2 + 1) \Big/ \left((x - 1)^2\,(x^4 + x^3 + x^2 + x + 1)^2\right)$$

Sequence: A289207
Score: 13.8483
Type of gen. func.: ogf

$$-f(x) x^{2} + x^{3} + 2 f(x) x - f(x)$$

Sequence: A289207
Score: 23.5795
Type of gen. func.: ogf

$$\frac{x^{3}}{(x - 1)^{2}}$$

Sequence: A289207
Score: 31.1586
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A289207
Score: 66.8913
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A289207
Score: 7.85983
Type of gen. func.: ogf

$$\{-a(n + 4) + 2 a(n + 3) - a(n + 2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$$

Sequence: A289208
Score: 3.80016
Type of gen. func.: ogf

$$-729 f(x)^{3} x^{3} - 2700 f(x)^{3} x^{2} + 848 f(x)^{3} x - 756 f(x)^{2} x^{2} - 64 f(x)^{3}$$

```
               2              2             2
     + 112 f(x)  x - 54 f(x) x  + f(x) x - x



------------------------------------------------------------------------------

Sequence:  A289211
Score: 13.6794
Type of gen. func.: lgdegf]

                                       -x + 6
                                  - -------------
                                        2
                                      -x  + 2 x - 1



------------------------------------------------------------------------------

Sequence:  A289211
Score: 4.55979
Type of gen. func.: ogf


    2
{(-n  - 4 n - 4) a(n + 1) + (2 n + 10) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 6,

    a(2) = 47}



------------------------------------------------------------------------------

Sequence:  A289212
Score: 14.1088
Type of gen. func.: lgdegf]

                                       -x + 7
                                  - -------------
                                        2
                                      -x  + 2 x - 1



------------------------------------------------------------------------------

Sequence:  A289212
Score: 4.70292
Type of gen. func.: ogf


    2
{(-n  - 4 n - 4) a(n + 1) + (2 n + 11) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 7,

    a(2) = 62}



------------------------------------------------------------------------------

Sequence:  A289213
Score: 14.5382
Type of gen. func.: lgdegf]

                                       -x + 8
                                  - -------------
```

$$-x^2 + 2 x - 1$$

Sequence: A289213
Score: 4.84606
Type of gen. func.: ogf

$$\{(-n^2 - 4 n - 4) a(n + 1) + (2 n + 12) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 8, a(2) = 79\}$$

Sequence: A289214
Score: 14.7835
Type of gen. func.: lgdegf]

$$- \frac{-x + 9}{-x^2 + 2 x - 1}$$

Sequence: A289214
Score: 4.92785
Type of gen. func.: ogf

$$\{(-n^2 - 4 n - 4) a(n + 1) + (2 n + 13) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 9, a(2) = 98\}$$

Sequence: A289215
Score: 13.1541
Type of gen. func.: lgdegf]

$$- \frac{-x + 10}{-x^2 + 2 x - 1}$$

Sequence: A289215
Score: 4.41475
Type of gen. func.: ogf

$$\{(-n^2 - 4 n - 4) a(n + 1) + (2 n + 14) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 10,$$

$a(2) = 119\}$

Sequence: A289216
Score: 13.3311
Type of gen. func.: lgdegf]

$$-\frac{-x + 11}{-x^2 + 2x - 1}$$

Sequence: A289216
Score: 4.47414
Type of gen. func.: ogf

$$\{(-n^2 - 4n - 4)\,a(n + 1) + (2n + 15)\,a(n + 2) - a(n + 3),\ a(0) = 1,\ a(1) = 11,\ a(2) = 142\}$$

Sequence: A289218
Score: 2.87427
Type of gen. func.: ogf

$$(f(x)\,x^2 - 2 f(x)\,x + f(x) + 72x - 84)^2$$

Sequence: A289223
Score: 12.9634
Type of gen. func.: lgdogf

$$-\frac{-3x^2 + 2x + 11}{-x^3 + 2x^2 + x - 2}$$

Sequence: A289223
Score: 4.36590
Type of gen. func.: ogf

$$\{(100n^2 + 364n + 328)\,a(n + 1) + (-339n^2 - 1547n - 2134)\,a(n + 2) + (239n^2 + 627n + 388)\,a(n + 3),\ a(0) = 0,\ a(1) = 0,\ a(2) = 12\}$$

Sequence: A289223
Score: 9.57522
Type of gen. func.: ogf

$$\frac{6 x^{2} (x + 1) (x - 2)}{(x - 1)^{5}}$$

Sequence: A289224
Score: 6.34945
Type of gen. func.: ogf

$$- \frac{2 x (19 x^{5} - 38 x^{4} - 40 x^{3} + 90 x^{2} + 27 x + 2)}{(x - 1)^{7}}$$

Sequence: A289225
Score: 4.46894
Type of gen. func.: ogf

$$\frac{x (225 x^{7} - 560 x^{6} - 684 x^{5} + 2503 x^{4} - 87 x^{3} - 2322 x^{2} - 742 x - 13)}{(x - 1)^{9}}$$

Sequence: A289226
Score: 3.31158
Type of gen. func.: ogf

$$- 3 x (413 x^{9} - 1139 x^{8} - 1637 x^{7} + 6103 x^{6} + 3779 x^{5} - 18129 x^{4} + 1293 x^{3} + 15761 x^{2} + 3496 x + 140) / (x - 1)^{11}$$

Sequence: A289230
Score: 5.53475
Type of gen. func.: ogf

$$- \frac{x (7 x^{8} - 4 x^{7} - 20 x^{6} - 21 x^{5} + 37 x^{4} + 60 x^{3} + 50 x^{2} + 9 x + 2)}{(x + 1) (x^{2} + x + 1) (x - 1)^{7}}$$

Sequence: A289233
Score: 12.4967
Type of gen. func.: ogf_with_Euler_transform]

$$x^{11} - x^{9} - x^{5} + x^{4} - x^{3} + x^{2} + 2 x + 1$$

Sequence: A289233
Score: 7.33035
Type of gen. func.: ogf

$$- \frac{x (x^{4} - x^{3} + x^{2} - x + 1)}{(x^{2} + x + 1) (x^{4} - x^{2} + 1) (x - 1)^{3}}$$

Sequence: A289245
Score: 5.06888
Type of gen. func.: ogf

$$- (x^{12} - x^{11} + x^{10} - x^{9} + x^{8} - x^{7} + x^{6} - x^{5} + x^{4} - x^{3} + x^{2} - x + 1) (x + 1)^{2} \Big/ ((x - 1) (x^{12} - 2 x^{11} + x^{10} - x^{9} + 2 x^{8} - x^{7} + x^{6} - 2 x^{5} - 3 x^{3} - 2 x + 1))$$

Sequence: A289254
Score: 15.5032
Type of gen. func.: lgdogf

$$- \frac{12 x - 6}{4 x^{2} - 5 x + 1}$$

Sequence: A289254

Score: 16.8812
Type of gen. func.: ogf

$$-\frac{9 x}{(4 x - 1) (x - 1)^2}$$

Sequence: A289254
Score: 6.78264
Type of gen. func.: ogf

{a(n + 3) - 6 a(n + 2) + 9 a(n + 1) - 4 a(n), a(0) = 0, a(1) = 9, a(2) = 54}

Sequence: A289254
Score: 9.86565
Type of gen. func.: ogf

$$4 f(x) x^3 - 9 f(x) x^2 + 6 f(x) x - f(x) + 9 x$$

Sequence: A289255
Score: 11.9702
Type of gen. func.: lgdogf

$$-\frac{40 x^2 + 7 x - 11}{20 x^3 - 21 x^2 + 1}$$

Sequence: A289255
Score: 14.4546
Type of gen. func.: ogf

$$-\frac{5 x + 1}{(4 x - 1) (x - 1)^2}$$

Sequence: A289255
Score: 6.72011
Type of gen. func.: ogf

{a(n + 3) - 6 a(n + 2) + 9 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 11, a(2) = 57}

Sequence: A289255
Score: 6.90173
Type of gen. func.: ogf

$$(62217 f(x) - 90280) (4 f(x) x^3 - 9 f(x) x^2 + 6 f(x) x - f(x) + 5 x + 1)$$

Sequence: A289260
Score: 10.5045
Type of gen. func.: ogf

$$\frac{(x^4 - x^3 + x^2 - x + 1) (x + 1)^2}{(x - 1) (2 x^3 + x - 1)}$$

Sequence: A289261
Score: 7.77021
Type of gen. func.: ogf

$$\frac{(x - 1) (x^4 + 1) (x^2 + 1) (x + 1)^2}{2 x^7 - 2 x^6 + x^5 - 2 x^4 + 2 x^3 - x^2 + 2 x - 1}$$

Sequence: A289262
Score: 8.37985
Type of gen. func.: ogf

$$\frac{(x^6 - x^5 + x^4 - x^3 + x^2 - x + 1) (x + 1)^2}{2 x^6 - 2 x^5 + x^4 - 2 x^3 + x^2 - 2 x + 1}$$

Sequence: A289296
Score: 9.03614
Type of gen. func.: lgdogf

```
         5      4       3       2
      2 x  + 4 x  + 24 x  + 12 x  + 6 x
    - ---------------------------------
           6    5      4      2
```

$2 x + x + 3 x - 6 x - x + 1$

Sequence: A289296
Score: 9.91060
Type of gen. func.: ogf

$$-\frac{2 x^{4} + x^{3} + 5 x^{2} + x - 1}{(x + 1)^{2} (x - 1)^{3}}$$

Sequence: A289306
Score: 5.12599
Type of gen. func.: ogf

$$-f(x) (5 f(x) x^{4} - 10 f(x) x^{3} - x^{4} + 10 f(x) x^{2} + 4 x^{3} - 5 f(x) x - 6 x^{2} + f(x) + 4 x - 1)$$

Sequence: A289306
Score: 7.88190
Type of gen. func.: lgdogf

$$-\frac{-10 x^{3} + 10 x^{2} - 5 x + 1}{5 x^{5} - 15 x^{4} + 20 x^{3} - 15 x^{2} + 6 x - 1}$$

Sequence: A289306
Score: 8.42548
Type of gen. func.: ogf

$$\frac{(x - 1)^{4}}{5 x^{4} - 10 x^{3} + 10 x^{2} - 5 x + 1}$$

Sequence: A289321
Score: 5.30892
Type of gen. func.: ogf

4 3 4 2 3 2

$$f(x)\,(5\,f(x)\,x - 10\,f(x)\,x + x + 10\,f(x)\,x - 3\,x - 5\,f(x)\,x + 3\,x + f(x) - x)$$

Sequence: A289321
Score: 8.63499
Type of gen. func.: ogf

$$-\frac{x\,(x-1)^{3}}{5\,x^{4} - 10\,x^{3} + 10\,x^{2} - 5\,x + 1}$$

Sequence: A289380
Score: 29.1376
Type of gen. func.: ogf_with_Euler_transform]

$$-9\,x^{9} - x^{8} + 10$$

Sequence: A289387
Score: 5.41631
Type of gen. func.: ogf

$$f(x)\,(5\,f(x)\,x^{4} - 10\,f(x)\,x^{3} - x^{4} + 10\,f(x)\,x^{2} + 2\,x^{3} - 5\,f(x)\,x - x^{2} + f(x))$$

Sequence: A289387
Score: 8.98148
Type of gen. func.: ogf

$$\frac{x^{2}\,(x-1)^{2}}{5\,x^{4} - 10\,x^{3} + 10\,x^{2} - 5\,x + 1}$$

Sequence: A289388
Score: 10.5276
Type of gen. func.: ogf

$$-\frac{x^{3}\,(x-1)}{{}^{4}\qquad{}^{3}\qquad{}^{2}}$$

$$5 x - 10 x + 10 x - 5 x + 1$$

Sequence: A289388
Score: 6.85743
Type of gen. func.: ogf

$$-5 f(x) x^4 + 10 f(x) x^3 - x^4 - 10 f(x) x^2 + x^3 + 5 f(x) x - f(x)$$

Sequence: A289388
Score: 7.25689
Type of gen. func.: lgdogf

$$-\frac{15 x^4 - 40 x^3 + 40 x^2 - 20 x + 4}{5 x^5 - 15 x^4 + 20 x^3 - 15 x^2 + 6 x - 1}$$

Sequence: A289389
Score: 13.3932
Type of gen. func.: ogf

$$\frac{x^4}{5 x^4 - 10 x^3 + 10 x^2 - 5 x + 1}$$

Sequence: A289389
Score: 6.40545
Type of gen. func.: ogf

$$f(x) (5 f(x) x^4 - 10 f(x) x^3 - x^4 + 10 f(x) x^2 - 5 f(x) x + f(x))$$

Sequence: A289389
Score: 8.66621
Type of gen. func.: lgdogf

$$-\frac{-20 x^3 + 30 x^2 - 20 x + 5}{-5 x^4 + 10 x^3 - 10 x^2 + 5 x - 1}$$

Sequence: A289399
Score: 15.3402
Type of gen. func.: lgdogf

$$-\frac{9x-7}{3x^2-4x+1}$$

Sequence: A289399
Score: 16.0072
Type of gen. func.: ogf

$$-\frac{3x}{(x-1)(3x-1)^2}$$

Sequence: A289399
Score: 6.51620
Type of gen. func.: ogf

{a(n + 3) - 7 a(n + 2) + 15 a(n + 1) - 9 a(n), a(0) = 0, a(1) = 3, a(2) = 21}

Sequence: A289399
Score: 7.3633
Type of gen. func.: ogf

$$(7 f(x) + 3) (9 f(x) x^3 - 15 f(x) x^2 + 7 f(x) x - f(x) + 3 x)$$

Sequence: A289404
Score: 10.9538
Type of gen. func.: lgdogf

$$-\frac{-30x^2+20x+1}{-10x^3+10x^2+x-1}$$

Sequence: A289404

Score: 19.0990
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (10 x^2 - 1)}$$

Sequence: A289404
Score: 6.47704
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 10 a(n + 1) + 10 a(n), a(0) = 1, a(1) = 1, a(2) = 11\}$$

Sequence: A289404
Score: 7.16211
Type of gen. func.: ogf

$$(111 f(x) + 32) (10 f(x) x^3 - 10 f(x) x^2 - f(x) x + f(x) - 1)$$

Sequence: A289405
Score: 17.0245
Type of gen. func.: ogf

$$\frac{1}{(10 x - 1) (10 x^2 - 1)}$$

Sequence: A289405
Score: 5.86559
Type of gen. func.: ogf

$$\{a(n + 3) - 10 a(n + 2) - 10 a(n + 1) + 100 a(n), a(0) = 1, a(1) = 10, a(2) = 110\}$$

Sequence: A289405
Score: 6.52342
Type of gen. func.: ogf

$$(111 f(x) + 230) (100 f(x) x^3 - 10 f(x) x^2 - 10 f(x) x + f(x) - 1)$$

Sequence: A289405
Score: 9.69451
Type of gen. func.: lgdogf

$$-\frac{300 x^2 - 20 x - 10}{100 x^3 - 10 x^2 - 10 x + 1}$$

Sequence: A289414
Score: 15.1035
Type of gen. func.: ogf

$$-\frac{10 x - 1}{90 x^2 - 20 x + 1}$$

Sequence: A289414
Score: 7.71242
Type of gen. func.: ogf

$$-(31 f(x) + 69) (90 f(x) x^2 - 20 f(x) x + f(x) + 10 x - 1)$$

Sequence: A289414
Score: 8.52902
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1) + 90 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A289414
Score: 9.79685
Type of gen. func.: lgdogf

$$-\frac{-900 x^2 + 180 x - 10}{-900 x^3 + 290 x^2 - 30 x + 1}$$

Sequence: A289415
Score: 13.5805
Type of gen. func.: ogf

$$-\frac{11 x - 1}{110 x^2 - 22 x + 1}$$

Sequence: A289415
Score: 7.00467
Type of gen. func.: ogf

$$-(34 f(x) + 87) (110 f(x) x^2 - 22 f(x) x + f(x) + 11 x - 1)$$

Sequence: A289415
Score: 7.73771
Type of gen. func.: ogf

$$\{a(n + 2) - 22 a(n + 1) + 110 a(n), a(0) = 1, a(1) = 11\}$$

Sequence: A289415
Score: 8.75583
Type of gen. func.: lgdogf

$$-\frac{-1210 x^2 + 220 x - 11}{-1210 x^3 + 352 x^2 - 33 x + 1}$$

Sequence: A289418
Score: 12.9330
Type of gen. func.: ogf

$$-\frac{1}{(3 x - 1) (x - 1) (x^3 - 6 x^2 + 5 x - 1)}$$

Sequence: A289418
Score: 6.96392
Type of gen. func.: lgdogf

$$-\frac{-15x^4+88x^3-120x^2+58x-9}{-3x^5+22x^4-40x^3+29x^2-9x+1}$$

Sequence: A289419
Score: 10.9442
Type of gen. func.: ogf

$$\frac{1}{(2x-1)(2x^2-4x+1)(x^3-6x^2+5x-1)}$$

Sequence: A289420
Score: 9.49341
Type of gen. func.: ogf

$$-\frac{1}{(2x-1)(x-1)(2x^2-4x+1)(x^3-9x^2+6x-1)}$$

Sequence: A289421
Score: 8.32511
Type of gen. func.: ogf

$$\frac{1}{(x-1)(x^2-3x+1)(5x^2-5x+1)(x^3-9x^2+6x-1)}$$

Sequence: A289422
Score: 7.16244
Type of gen. func.: ogf

$$-\frac{1}{(x^2-3x+1)(5x^2-5x+1)(x^5-15x^4+35x^3-28x^2+9x-1)}$$

Sequence: A289423
Score: 6.32368
Type of gen. func.: ogf

$$1/((x - 1) (3 x - 1) (2 x - 1) (x^2 - 4 x + 1) (x^5 - 15 x^4 + 35 x^3 - 28 x^2 + 9 x - 1))$$

Sequence: A289432
Score: 13.1367
Type of gen. func.: ogf

$$- \frac{x^3 (x^4 + 1)}{x^7 + x^5 + x - 1}$$

Sequence: A289433
Score: 14.9278
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^2 - x + 1)}{x^7 + x^5 + x - 1}$$

Sequence: A289443
Score: 10.4397
Type of gen. func.: lgdogf

$$- \frac{-3 x^4 + 12 x^3 - 21 x^2 - 6}{3 x^5 - 10 x^4 + 7 x^3 - 2 x + 2}$$

Sequence: A289443
Score: 13.9731
Type of gen. func.: ogf

$$\frac{3 x^4 - 7 x^3 - 2}{(x - 1)^3}$$

Sequence: A289443

Score: 7.50621
Type of gen. func.: ogf

$$(268 f(x) - 11279) (f(x) x^3 - 3 x^4 - 3 f(x) x^2 + 7 x^3 + 3 f(x) x - f(x) + 2)$$

Sequence: A289521
Score: 10.1019
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + 3 a(n), a(0) = 4, a(1) = 7\}$$

Sequence: A289521
Score: 12.0052
Type of gen. func.: lgdogf

$$- \frac{-27 x^2 + 24 x - 7}{-27 x^3 + 48 x^2 - 25 x + 4}$$

Sequence: A289521
Score: 18.4079
Type of gen. func.: ogf

$$- \frac{9 x - 4}{(3 x - 1) (x - 1)}$$

Sequence: A289521
Score: 9.20394
Type of gen. func.: ogf

$$-(4 f(x) + 33) (3 f(x) x^2 - 4 f(x) x + f(x) + 9 x - 4)$$

Sequence: A289557
Score: 3.99497
Type of gen. func.: ogf

$$\{(-1728 n^2 - 4608 n - 2964) a(n + 1) + (n^2 + 4 n + 4) a(n + 2), a(0) = 1,$$
$$a(1) = 84\}$$

Sequence: A289586
Score: 10.2427
Type of gen. func.: ogf

$$\{-a(n+3)+5\,a(n+1),\ a(0)=1,\ a(1)=5,\ a(2)=12\}$$

Sequence: A289586
Score: 10.8829
Type of gen. func.: ogf

$$-(24\,f(x)+1)\,(5\,f(x)\,x^2+7\,x^2-f(x)+5\,x+1)$$

Sequence: A289586
Score: 11.4557
Type of gen. func.: lgdogf

$$-\frac{25\,x^2+24\,x+5}{35\,x^4+25\,x^3-2\,x^2-5\,x-1}$$

Sequence: A289586
Score: 17.7680
Type of gen. func.: ogf

$$-\frac{7\,x^2+5\,x+1}{5\,x^2-1}$$

Sequence: A289643
Score: 11.4601
Type of gen. func.: ogf

$$-\frac{x\,(5\,x+3)}{(x-1)^5}$$

Sequence: A289643
Score: 17.1902
Type of gen. func.: lgdogf

$$-\frac{20 x + 20}{5 x^{2} - 2 x - 3}$$

Sequence: A289643
Score: 5.65466
Type of gen. func.: ogf

$$\{(6 + 3 n) a(n + 3) + (-18 + 2 n) a(n + 2) + (-20 - 5 n) a(n + 1), a(0) = 0,$$

$$a(1) = 3, a(2) = 20\}$$

Sequence: A289657
Score: 7.42223
Type of gen. func.: ogf

$$-\frac{2 x^{9} - x^{8} + x^{7} + 3 x^{5} + 2 x^{4} + x^{3} - x + 1}{(x + 1) (x^{2} + x + 1) (x - 1)^{5}}$$

Sequence: A289658
Score: 6.62210
Type of gen. func.: ogf

$$-\frac{2 x^{9} - x^{8} - 2 x^{7} - x^{5} - 2 x^{4} + 6 x^{3} + 2 x^{2} - 2 x + 1}{(x + 1)^{2} (x - 1)^{7}}$$

Sequence: A289666
Score: 5.11386
Type of gen. func.: ogf

$$(3 f(x) + 2)$$

$$(f(x) x^{5} + x^{5} + f(x) x^{3} + 3 f(x) x^{2} + x^{3} - 4 f(x) x + 2 x^{2} + f(x) - x)$$

Sequence: A289666
Score: 8.90190
Type of gen. func.: ogf

$$-\frac{x (x^4 + x^2 + 2 x - 1)}{(x^2 + x - 1) (x^3 - x^2 + 3 x - 1)}$$

Sequence: A289683
Score: 11.6707
Type of gen. func.: egf]

$$-f(x)^2 - 2 f(x) x + 4 f(x) - 3$$

Sequence: A289683
Score: 17.8302
Type of gen. func.: lgdegf]

$$\frac{1}{(x^2 - 4 x + 1)^{1/2}}$$

Sequence: A289684
Score: 3.89916
Type of gen. func.: ogf

$$\{(16 n + 24) a(n) + (12 n + 12) a(n + 1) + (-8 n - 18) a(n + 2)$$
$$+ (n + 3) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 9, a(3) = 42\}$$

Sequence: A289684
Score: 6.63541
Type of gen. func.: lgdogf

$$-\frac{(-1 + 6 x) I}{(4 x^2 + 4 x - 1) x (4 x - 1)^{1/2}} + \frac{2 x - 1}{(4 x^2 + 4 x - 1) x}$$

Sequence: A289684
Score: 6.69412

Type of gen. func.: ogf

$$-4 f(x)^2 x^2 - 4 f(x)^2 x + 4 f(x) x^2 + f(x)^2 + 2 f(x) x - x^2 - f(x)$$

Sequence: A289692
Score: 4.68814
Type of gen. func.: ogf

$$f(x) x^4 - 2 f(x) x^3 + 3 f(x) x^2 - x^3 - 3 f(x) x + x^2 + f(x) - x$$

Sequence: A289692
Score: 7.12855
Type of gen. func.: ogf

$$\frac{x (x^2 - x + 1)}{(x - 1) (x^3 - x^2 + 2 x - 1)}$$

Sequence: A289693
Score: 4.48340
Type of gen. func.: ogf

$$- \frac{x^2 (x^2 - x + 1) (x^4 - x^3 + 3 x^2 - 2 x + 1)}{(x - 1) (x^3 - x^2 + 2 x - 1) (x^5 - x^4 + 4 x^3 - 3 x^2 + 3 x - 1)}$$

Sequence: A289705
Score: 7.04279
Type of gen. func.: ogf

$$- \frac{3 x^2 (7 x + 5) (x^2 - x - 1)}{(x + 1)^2 (x - 1)^6}$$

Sequence: A289705
Score: 8.27356
Type of gen. func.: lgdogf

$$-\frac{-35x^4-16x^3+71x^2+92x+32}{-7x^5+2x^4+19x^3+3x^2-12x-5}$$

Sequence: A289706
Score: 5.16507
Type of gen. func.: ogf

$$\frac{12x^2(24x^5+28x^4-16x^3-39x^2-19x-2)}{(x+1)^3(x-1)^7}$$

Sequence: A289721
Score: 10.1475
Type of gen. func.: ogf

$$\frac{x^4+5x^3+15x^2+5x+1}{(x-1)^4}$$

Sequence: A289721
Score: 4.00316
Type of gen. func.: ogf

$$\{(-n^2+11n)a(n)+(-36n^2-114n+30)a(n+1)$$
$$+(15n^2-171n-258)a(n+2)+(22n^2+94n+84)a(n+3),\ a(0)=1,$$
$$a(1)=9,\ a(2)=45\}$$

Sequence: A289721
Score: 5.89655
Type of gen. func.: ogf

$$(25f(x)+98)(f(x)x^4-4f(x)x^3-x^4+6f(x)x^2-5x^3-4f(x)x-15x^2$$
$$+f(x)-5x-1)$$

Sequence: A289721
Score: 9.48575
Type of gen. func.: lgdogf

$$-\frac{-9x^3-45x^2-45x-9}{-x^5-4x^4-10x^3+10x^2+4x+1}$$

Sequence: A289761
Score: 12.7363
Type of gen. func.: ogf

$$\frac{3x^6-4x^5-3}{(x+1)(x^2+x+1)(x^2-x+1)(x-1)^3}$$

Sequence: A289763
Score: 5.86007
Type of gen. func.: ogf

$$\frac{1000x^4-100x^2+10x-1}{(x-1)(10x-1)(100x^2+1)(10x^2-1)}$$

Sequence: A289764
Score: 8.34651
Type of gen. func.: ogf

$$\frac{2x^4-x^2+x-1}{(2x-1)(x-1)(x^2+1)(2x^2-1)}$$

Sequence: A289765
Score: 8.27766
Type of gen. func.: ogf

$$\frac{8x^4-4x^2+2x-1}{(2x-1)(x-1)(4x^2+1)(2x^2-1)}$$

Sequence: A289779
Score: 7.33534
Type of gen. func.: ogf

$$-\frac{(x+1)\,(x^3-4x^2+2x-1)}{x^6-5x^5+12x^4-22x^3+16x^2-7x+1}$$

Sequence: A289780
Score: 10.9861
Type of gen. func.: ogf

$$\frac{x^2-x+1}{x^4-5x^3+7x^2-5x+1}$$

Sequence: A289780
Score: 5.61513
Type of gen. func.: ogf

$$-(98\,f(x)+11)$$

$$(f(x)\,x^4-5\,f(x)\,x^3+7\,f(x)\,x^2-5\,f(x)\,x-x^2+f(x)+x-1)$$

Sequence: A289781
Score: 11.4320
Type of gen. func.: ogf

$$-\frac{(x-1)\,(x+1)}{x^4+3x^3-x^2-3x+1}$$

Sequence: A289781
Score: 5.71601
Type of gen. func.: ogf

$$-(11\,f(x)-2)\,(f(x)\,x^4+3\,f(x)\,x^3-f(x)\,x^2-3\,f(x)\,x+x^2+f(x)-1)$$

Sequence: A289781
Score: 6.88038
Type of gen. func.: lgdogf

$$-\frac{2x^5+3x^4-4x^3-6x^2+3}{x^6+3x^5-2x^4-6x^3+2x^2+3x-1}$$

Sequence: A289782
Score: 5.23634
Type of gen. func.: ogf

$$(2605 f(x) - 316)$$

$$(f(x)\,x^4 - 7 f(x)\,x^3 + 2 f(x)\,x^2 + 2x^3 + 4 f(x)\,x - 5x^2 - f(x) + x + 2)$$

Sequence: A289782
Score: 9.65664
Type of gen. func.: ogf

$$-\frac{(x-1)(x-2)(2x+1)}{x^4-7x^3+2x^2+4x-1}$$

Sequence: A289783
Score: 10.6091
Type of gen. func.: lgdogf

$$-\frac{-22x^2+22x-5}{-22x^3+25x^2-9x+1}$$

Sequence: A289783
Score: 15.6830
Type of gen. func.: ogf

$$-\frac{2x-1}{11x^2-7x+1}$$

Sequence: A289783
Score: 8.19793
Type of gen. func.: ogf

$$(13 f(x) + 12) (11 f(x) x^2 - 7 f(x) x + f(x) + 2 x - 1)$$

Sequence: A289783
Score: 8.69177
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) - 11 a(n), a(0) = 1, a(1) = 5\}$$

Sequence: A289784
Score: 10.4516
Type of gen. func.: lgdogf

$$- \frac{-57 x^2 + 38 x - 6}{-57 x^3 + 46 x^2 - 12 x + 1}$$

Sequence: A289784
Score: 15.6775
Type of gen. func.: ogf

$$- \frac{3 x - 1}{19 x^2 - 9 x + 1}$$

Sequence: A289784
Score: 8.38562
Type of gen. func.: ogf

$$(4 f(x) + 5) (19 f(x) x^2 - 9 f(x) x + f(x) + 3 x - 1)$$

Sequence: A289784
Score: 8.68871

Type of gen. func.: ogf

$$\{-a(n+2) + 9\,a(n+1) - 19\,a(n),\ a(0) = 1,\ a(1) = 6\}$$

Sequence: A289785
Score: 14.9291
Type of gen. func.: ogf

$$-\frac{4x - 1}{29x^2 - 11x + 1}$$

Sequence: A289785
Score: 7.88389
Type of gen. func.: ogf

$$(19 f(x) + 30)(29 f(x) x^2 - 11 f(x) x + f(x) + 4x - 1)$$

Sequence: A289785
Score: 8.35317
Type of gen. func.: ogf

$$\{-a(n+2) + 11\,a(n+1) - 29\,a(n),\ a(0) = 1,\ a(1) = 7\}$$

Sequence: A289785
Score: 9.88262
Type of gen. func.: lgdogf

$$-\frac{-116x^2 + 58x - 7}{-116x^3 + 73x^2 - 15x + 1}$$

Sequence: A289786
Score: 10.4438
Type of gen. func.: ogf

$$-\frac{(x+1)(2x^2 - x + 1)}{x^4 + 5x^3 - 6x^2 + 5x - 1}$$

Sequence: A289786
Score: 5.56492
Type of gen. func.: ogf

$$(401 f(x) + 132)$$

$$(f(x) x^4 + 5 f(x) x^3 - 6 f(x) x^2 + 2 x^3 + 5 f(x) x + x^2 - f(x) + 1)$$

Sequence: A289787
Score: 10.8536
Type of gen. func.: ogf

$$\frac{2 (x^2 + 1)}{x^4 - 6 x^3 + 6 x^2 - 6 x + 1}$$

Sequence: A289787
Score: 5.51161
Type of gen. func.: ogf

$$(369 f(x) + 64) (f(x) x^4 - 6 f(x) x^3 + 6 f(x) x^2 - 6 f(x) x - 2 x^2 + f(x) - 2)$$

Sequence: A289788
Score: 11.5388
Type of gen. func.: ogf

$$\frac{x^2 + 1}{x^4 - 6 x^3 + 6 x^2 - 6 x + 1}$$

Sequence: A289788
Score: 5.85954
Type of gen. func.: ogf

$$(369 f(x) + 32) (f(x) x^4 - 6 f(x) x^3 + 6 f(x) x^2 - 6 f(x) x - x^2 + f(x) - 1)$$

Sequence: A289788
Score: 6.52191
Type of gen. func.: lgdogf

$$-\frac{2x^5-6x^4+4x^3-12x^2+10x-6}{x^6-6x^5+7x^4-12x^3+7x^2-6x+1}$$

Sequence: A289789
Score: 5.19972
Type of gen. func.: ogf

$$(5570 f(x) + 3893)$$

$$(5 f(x) x^4 + 5 f(x) x^3 - 5 f(x) x^2 + 6 x^3 + 5 f(x) x + x^2 - f(x) + x + 1)$$

Sequence: A289789
Score: 9.65664
Type of gen. func.: ogf

$$-\frac{(2x+1)(3x^2-x+1)}{5x^4+5x^3-5x^2+5x-1}$$

Sequence: A289790
Score: 4.96095
Type of gen. func.: ogf

$$-(3269 f(x) + 473)$$

$$(f(x) x^4 + 8 f(x) x^3 - 5 f(x) x^2 + 2 x^3 + 6 f(x) x + 4 x^2 - f(x) + x + 2)$$

Sequence: A289790
Score: 9.40647
Type of gen. func.: ogf

$$-\frac{(x+2)(2x^2+1)}{x^4+8x^3-5x^2+6x-1}$$

Sequence: A289792
Score: 11.4017
Type of gen. func.: lgdogf

$$-\frac{35 x^2 - 22 x + 36}{7 x^3 - 13 x^2 + 12 x - 6}$$

Sequence: A289792
Score: 7.21757
Type of gen. func.: ogf

$$-\frac{15 x^4 (7 x^2 - 6 x + 6)}{(x - 1)^7}$$

Sequence: A289793
Score: 10.3874
Type of gen. func.: lgdogf

$$-\frac{294 x^2 - 210 x - 252}{49 x^3 - 93 x^2 + 18 x + 26}$$

Sequence: A289793
Score: 6.40559
Type of gen. func.: ogf

$$-\frac{12 x^4 (49 x^2 - 44 x - 26)}{(x - 1)^8}$$

Sequence: A289794
Score: 5.17264
Type of gen. func.: ogf

$$40 x^4 (116 x^3 + 102 x^2 - 237 x - 23)$$

$$\frac{}{(x - 1)^{9}}$$

Sequence: A289794
Score: 7.60061
Type of gen. func.: lgdogf

$$- \frac{-696 x^{3} - 1062 x^{2} + 1692 x + 444}{-116 x^{4} + 14 x^{3} + 339 x^{2} - 214 x - 23}$$

Sequence: A289795
Score: 10.7067
Type of gen. func.: ogf

$$\frac{3 (x^{2} + x + 1)}{x^{4} - 7 x^{3} + 3 x^{2} - 7 x + 1}$$

Sequence: A289795
Score: 5.55458
Type of gen. func.: ogf

$$(674 f(x) + 117)$$

$$(f(x) x^{4} - 7 f(x) x^{3} + 3 f(x) x^{2} - 7 f(x) x - 3 x^{2} + f(x) - 3 x - 3)$$

Sequence: A289795
Score: 6.42399
Type of gen. func.: lgdogf

$$- \frac{2 x^{5} - 4 x^{4} - 10 x^{3} - 11 x^{2} + 4 x - 8}{x^{6} - 6 x^{5} - 3 x^{4} - 11 x^{3} - 3 x^{2} - 6 x + 1}$$

Sequence: A289796
Score: 10.2139
Type of gen. func.: ogf

$$\frac{x^2 + x + 1}{x^4 - 7 x^3 + 3 x^2 - 7 x + 1}$$

Sequence: A289796
Score: 5.33907
Type of gen. func.: ogf

$$(674 f(x) + 39)$$

$$(f(x) x^4 - 7 f(x) x^3 + 3 f(x) x^2 - 7 f(x) x - x^2 + f(x) - x - 1)$$

Sequence: A289797
Score: 7.47719
Type of gen. func.: ogf

$$- \frac{x^3 - 3 x^2 + 2 x - 1}{x^6 - 6 x^5 + 16 x^4 - 23 x^3 + 17 x^2 - 7 x + 1}$$

Sequence: A289798
Score: 10.3367
Type of gen. func.: ogf

$$\frac{2 x^2 - 2 x + 1}{4 x^4 - 14 x^3 + 15 x^2 - 7 x + 1}$$

Sequence: A289798
Score: 5.47689
Type of gen. func.: ogf

$$(403 f(x) + 48)$$

$$(4 f(x) x^4 - 14 f(x) x^3 + 15 f(x) x^2 - 7 f(x) x - 2 x^2 + f(x) + 2 x - 1)$$

Sequence: A289799
Score: 5.39124

Type of gen. func.: ogf

$$\frac{(x^2 + 4 x + 1) (x^4 - 3 x^3 + 10 x^2 - 3 x + 1)}{x^8 - 9 x^7 + 27 x^6 - 55 x^5 + 36 x^4 - 55 x^3 + 27 x^2 - 9 x + 1}$$

Sequence: A289800
Score: 4.54091
Type of gen. func.: ogf

$$-f(x)^2 x^4 - 12 f(x)^2 x^3 - 13 f(x)^2 x^2 - 2 f(x) x^3 + 8 f(x)^2 x - 16 f(x) x^2$$
$$- f(x)^2 + 4 f(x) x - x^2 - 4 x + 1$$

Sequence: A289801
Score: 5.80906
Type of gen. func.: ogf

$$\frac{x^4 - 4 x^3 + 6 x^2 - 3 x + 1}{x^8 - 8 x^7 + 28 x^6 - 57 x^5 + 74 x^4 - 62 x^3 + 31 x^2 - 9 x + 1}$$

Sequence: A289802
Score: 6.54582
Type of gen. func.: ogf

$$- \frac{x^4 - 2 x^3 + x - 1}{x^8 - 4 x^7 + 4 x^6 + 5 x^5 - 12 x^4 + 4 x^3 + 5 x^2 - 5 x + 1}$$

Sequence: A289803
Score: 10.8522
Type of gen. func.: ogf

$$\frac{(x - 1)^2}{x^4 - 7 x^3 + 13 x^2 - 7 x + 1}$$

Sequence: A289803
Score: 5.62707
Type of gen. func.: ogf

$$-(65 f(x) + 2) (f(x) x^4 - 7 f(x) x^3 + 13 f(x) x^2 - 7 f(x) x - x^2 + f(x) + 2 x - 1)$$

Sequence: A289803
Score: 7.52135
Type of gen. func.: lgdogf

$$- \frac{2 x^4 - 11 x^3 + 21 x^2 - 19 x + 5}{x^5 - 8 x^4 + 20 x^3 - 20 x^2 + 8 x - 1}$$

Sequence: A289804
Score: 5.14975
Type of gen. func.: ogf

$$\{a(n + 4) - 7 a(n + 3) + 15 a(n + 2) - 9 a(n + 1) - a(n), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 29\}$$

Sequence: A289804
Score: 5.29688
Type of gen. func.: ogf

$$(11 f(x) + 12) (f(x) x^4 + 9 f(x) x^3 - 15 f(x) x^2 + 2 x^3 + 7 f(x) x + 3 x^2 - f(x) - 4 x + 1)$$

Sequence: A289804
Score: 9.50723
Type of gen. func.: ogf

$$- \frac{(2 x - 1) (x^2 + 2 x - 1)}{x^4 + 9 x^3 - 15 x^2 + 7 x - 1}$$

Sequence: A289805
Score: 6.91026
Type of gen. func.: ogf

$$-\frac{(x^2 - x + 2)(2x^3 - 2x^2 + x + 1)}{x^6 - 2x^5 + 8x^4 - 8x^3 + 2x^2 + 4x - 1}$$

Sequence: A289806
Score: 8.77769
Type of gen. func.: ogf

$$\frac{x^3 - x^2 + 1}{x^6 - 2x^5 - 2x^4 + 5x^3 - x^2 - 3x + 1}$$

Sequence: A289807
Score: 8.76306
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{x^6 - 2x^5 - x^4 + 5x^3 - 2x^2 - 3x + 1}$$

Sequence: A289809
Score: 5.81256
Type of gen. func.: ogf

$$\frac{(x^3 + x^2 - 2x - 1)(x^3 - x - 1)}{(x^2 - x - 1)(x^6 - 4x^4 - x^3 + 4x^2 + 2x - 1)}$$

Sequence: A289810
Score: 4.52622
Type of gen. func.: ogf

$$f(x)^2 x^4 + 12 f(x)^2 x^3 + 13 f(x)^2 x^2 + 4 f(x) x^3 - 8 f(x)^2 x + 8 f(x) x^2$$

2 2

$+ f(x) - 2 f(x) x + 4 x + 4 x - 1$

Sequence: A289837
Score: 4.91766
Type of gen. func.: ogf

$$-\frac{8x^7+5x^6+25x^5-91x^4+92x^3-43x^2+10x-1}{(2x-1)^3(x-1)^5}$$

Sequence: A289843
Score: 7.64998
Type of gen. func.: ogf

$$\frac{x^4-2x^2+x+1}{(x^2-x-1)(x^6+x^5-2x^4-2x^3+2x^2+2x-1)}$$

Sequence: A289844
Score: 7.34124
Type of gen. func.: ogf

$$\frac{x^6-2x^3+x+1}{x^{12}-4x^9-x^7+6x^6+2x^4-4x^3-x^2-x+1}$$

Sequence: A289845
Score: 7.96235
Type of gen. func.: ogf

$$-\frac{(x-1)(x^3+x^2+2x+1)}{x^8+2x^6+x^5-x^4+x^3-3x^2-x+1}$$

Sequence: A289846
Score: 11.2496
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{x^4 + x^3 - 3x^2 - x + 1}$$

Sequence: A289846
Score: 5.46637
Type of gen. func.: ogf

$\{-a(n + 4) + a(n + 3) + 3\, a(n + 2) - a(n + 1) - a(n),\ a(0) = 1,\ a(1) = 2,$

$a(2) = 4,\ a(3) = 9\}$

Sequence: A289846
Score: 6.01725
Type of gen. func.: ogf

$$(8 f(x) + 9) (f(x) x^4 + f(x) x^3 - 3 f(x) x^2 - f(x) x + x^2 + f(x) - x - 1)$$

Sequence: A289846
Score: 7.76225
Type of gen. func.: lgdogf

$$-\frac{-2x^5 + 2x^4 + 6x^3 - x^2 - 4x - 2}{-x^6 + 5x^4 - x^3 - 5x^2 + 1}$$

Sequence: A289864
Score: 7.40841
Type of gen. func.: ogf

$$-\frac{2x^5 - 5x^4 - 3x^3 + 3x^2 - 2x + 2}{(x + 1) (2x - 1) (x - 1)^4}$$

Sequence: A289870
Score: 4.99131
Type of gen. func.: ogf

2 2

```
{(-n  - 7 n - 12) a(n + 1) + (-4 - n) a(n + 2) + (n  + 4 n + 3) a(n + 3),

    a(0) = -1, a(1) = 2, a(2) = 3}



------------------------------------------------------------------------------

Sequence:  A289870
Score: 9.26164
Type of gen. func.: lgdogf

                             4       3       2
                          6 x  + 12 x  + 24 x  + 4 x + 2
                        - ------------------------------
                                5      4      2
                           3 x  + 3 x  - 4 x  - 3 x + 1



------------------------------------------------------------------------------

Sequence:  A289870
Score: 9.80645
Type of gen. func.: ogf

                                 3      2
                              3 x  + 3 x  + 3 x - 1
                            - ---------------------
                                        2        3
                                (x + 1)  (x - 1)



------------------------------------------------------------------------------

Sequence:  A289873
Score: 10.8701
Type of gen. func.: ogf

                       2            5      4    3    2
                     (x  - x - 1) (x  + 2 x  - x  + x  + 1)
                   ------------------------------------------
                             2             2                 3
                   (x + 1) (x  + x + 1) (x  - x + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A289877
Score: 7.45709
Type of gen. func.: ogf

                             4      3      2
                          3 x  - 3 x  - 3 x  + 5 x + 1
                          ----------------------------
                                               4
                                (x + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A289896
Score: 3.31910
Type of gen. func.: ogf
```

$$\{(n^2 + 9 n + 20) a(n + 1) + (-2 n^2 - 16 n - 30) a(n + 2) + (n^2 + 8 n + 15) a(n + 3) + (-n - 2) a(n + 4), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 8\}$$

Sequence: A289914
Score: 10.3890
Type of gen. func.: ogf

$$\frac{(x^4 - x^3 + x^2 - x + 1) (x + 1)^2}{x^4 - 2 x^3 + x^2 - 2 x + 1}$$

Sequence: A289916
Score: 8.65844
Type of gen. func.: ogf

$$\frac{(x^6 - x^5 + x^4 - x^3 + x^2 - x + 1) (x + 1)^2}{(x^2 - x + 1) (x^4 - x^3 - x^2 - x + 1)}$$

Sequence: A289918
Score: 11.2085
Type of gen. func.: lgdogf

$$- \frac{6 x^5 - 6 x^2 - 2 x}{x^6 - 2 x^3 - x^2 + 1}$$

Sequence: A289918
Score: 16.4696
Type of gen. func.: ogf

$$\frac{x}{(x^3 + x - 1) (x^3 - x - 1)}$$

Sequence: A289919
Score: 10.2294
Type of gen. func.: ogf

$$-\frac{2x^{3}+x-2}{(x^{3}+x-1)^{2}}$$

Sequence: A289919
Score: 8.20484
Type of gen. func.: lgdogf

$$-\frac{-6x^{5}-3x^{3}+6x^{2}-x+3}{-2x^{6}-3x^{4}+4x^{3}-x^{2}+3x-2}$$

Sequence: A289920
Score: 10.2043
Type of gen. func.: ogf

$$-\frac{x^{3}-x-1}{x^{6}+x^{4}-2x^{3}-x^{2}-x+1}$$

Sequence: A289921
Score: 5.26252
Type of gen. func.: ogf

$$\frac{(x-1)(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)(x+1)^{2}}{x^{10}+x^{9}-x^{8}+x^{7}-x^{6}+x^{5}-x^{4}+x^{3}-x^{2}+x-1}$$

Sequence: A289927
Score: 5.41383
Type of gen. func.: ogf

$$-\frac{(x^{3}-x^{2}+1)(x^{3}-x-1)}{}$$

8 7 6 5 4 3 2

$$x + 3 x - 4 x - 7 x + 5 x + 7 x - 4 x - 3 x + 1$$

Sequence: A289948
Score: 4.21563
Type of gen. func.: ogf

$$\{(-n^3 - 9 n^2 - 27 n - 27) a(n + 1) + (n^3 + 9 n^2 + 27 n + 28) a(n + 2) - a(n + 3), a(0) = 1, a(1) = 2, a(2) = 10\}$$

Sequence: A289975
Score: 11.7268
Type of gen. func.: ogf

$$- \frac{x (x - 1)}{x^4 + 3 x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A289975
Score: 5.90883
Type of gen. func.: ogf

$$-(7 f(x) - 2) (f(x) x^4 + 3 f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + x^2 + f(x) - x)$$

Sequence: A289975
Score: 8.56448
Type of gen. func.: lgdogf

$$- \frac{3 x^4 + 2 x^3 - 11 x^2 + 4 x + 1}{x^5 + 2 x^4 - 5 x^3 + 3 x - 1}$$

Sequence: A289976
Score: 7.59280
Type of gen. func.: ogf

$$- \frac{x^2 (x - 1)^2 (x + 1)}{x^6 - x^5 - 2 x^4 - x^3 + x^2 + 2 x - 1}$$

Sequence: A289977
Score: 7.90749
Type of gen. func.: ogf

$$-\frac{x^3 (x - 1) (x^3 + x^2 - 1)}{x^8 - x^6 - x^5 - 2 x^3 + x^2 + 2 x - 1}$$

Sequence: A289992
Score: 3.87327
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 6 x + 1) (x^4 + 32 x^3 + 70 x^2 + 32 x + 1)}{(x - 1)^{10}}$$

Sequence: A289999
Score: 13.5336
Type of gen. func.: ogf

$$-\frac{56 x^2 - 42 x + 13}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A289999
Score: 7.03749
Type of gen. func.: ogf

$-(1059 f(x) - 3820)$

$$(8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x + 56 x^2 - f(x) - 42 x + 13)$$

Sequence: A289999
Score: 7.45497
Type of gen. func.: lgdogf

$$-\frac{448 x^4 - 672 x^3 + 508 x^2 - 252 x + 49}{}$$

$$448 x^5 - 1120 x^4 + 1084 x^3 - 532 x^2 + 133 x - 13$$

Sequence: A289999
Score: 7.51869
Type of gen. func.: ogf

$\{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 8 a(n), a(0) = 13, a(1) = 49, a(2) = 217$

$\}$

Sequence: A290004
Score: 6.80259
Type of gen. func.: ogf

$$- \frac{3 (24 x^3 + 28 x^2 - 11 x + 1)}{(3 x - 1) (9 x - 1) (18 x - 1) (2 x^2 - 5 x + 1)}$$

Sequence: A290011
Score: 7.13804
Type of gen. func.: egf]

$$\frac{19 x^2 - 43 x - 6}{(x - 1)^7}$$

Sequence: A290011
Score: 9.95304
Type of gen. func.: lgdegf]

$$- \frac{-95 x^2 + 220 x + 85}{-19 x^3 + 62 x^2 - 37 x - 6}$$

Sequence: A290026
Score: 14.0705
Type of gen. func.: ogf

$$2$$

$$\frac{4 x}{(2 x - 1)^4}$$

Sequence: A290026
Score: 28.1410
Type of gen. func.: lgdogf

$$\frac{8}{-2 x + 1}$$

Sequence: A290026
Score: 7.43347
Type of gen. func.: ogf

$$\{n a(n + 2) + (-6 - 2 n) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 4\}$$

Sequence: A290026
Score: 7.72497
Type of gen. func.: ogf

$$-16 f(x) x^4 + 32 f(x) x^3 - 24 f(x) x^2 + 8 f(x) x + 4 x^2 - f(x)$$

Sequence: A290027
Score: 13.9545
Type of gen. func.: lgdogf

$$- \frac{-192 x - 34}{-48 x^2 + 22 x + 1}$$

Sequence: A290027
Score: 4.83392
Type of gen. func.: ogf

$$\{(-1 - n) a(n + 3) + (34 - 22 n) a(n + 2) + (144 + 48 n) a(n + 1), a(0) = 0,$$
$$a(1) = 0, a(2) = 3\}$$

Sequence: A290027
Score: 8.91071
Type of gen. func.: ogf

$$-\frac{3 x^2 (24 x + 1)}{(2 x - 1)^5}$$

Sequence: A290028
Score: 13.6716
Type of gen. func.: lgdogf

$$-\frac{-230 x - 59}{-46 x^2 + 17 x + 3}$$

Sequence: A290028
Score: 4.58604
Type of gen. func.: ogf

{-3 n a(n + 3) + (76 - 17 n) a(n + 2) + (138 + 46 n) a(n + 1), a(0) = 0,

a(1) = 0, a(2) = 0, a(3) = 288}

Sequence: A290028
Score: 7.31914
Type of gen. func.: ogf

$$\frac{96 x^3 (23 x + 3)}{(2 x - 1)^6}$$

Sequence: A290029
Score: 5.65860
Type of gen. func.: ogf

$$-\frac{160 x^3 (634 x^2 + 161 x + 4)}{(2 x - 1)^7}$$

Sequence: A290029
Score: 8.88185
Type of gen. func.: lgdogf

$$-\frac{6340 x^2 + 3200 x + 217}{1268 x^3 - 312 x^2 - 153 x - 4}$$

Sequence: A290031
Score: 14.0599
Type of gen. func.: ogf

$$\frac{16 x^3}{(2 x - 1)^4}$$

Sequence: A290031
Score: 28.6220
Type of gen. func.: lgdogf

$$\frac{8}{-2 x + 1}$$

Sequence: A290031
Score: 6.36045
Type of gen. func.: ogf

$\{(-1 + n) a(n + 2) + (-4 - 2 n) a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0,$

$a(3) = 16\}$

Sequence: A290031
Score: 7.78074
Type of gen. func.: ogf

$$-16 f(x) x^4 + 32 f(x) x^3 - 24 f(x) x^2 + 16 x^3 + 8 f(x) x - f(x)$$

Sequence: A290055

Score: 14.3099
Type of gen. func.: lgdogf

$$-\frac{-7x^3 - 33x^2 - 15x - 5}{-x^4 - 4x^3 + 4x + 1}$$

Sequence: A290055
Score: 9.37106
Type of gen. func.: ogf

$$-\frac{x(x^2 + 4x + 1)}{(x+1)^4 (x-1)^5}$$

Sequence: A290056
Score: 6.63116
Type of gen. func.: ogf

$$-\frac{4x^5 - 21x^4 + 29x^3 - 18x^2 + 6x - 1}{(2x-1)^2 (x-1)^4}$$

Sequence: A290061
Score: 8.37376
Type of gen. func.: lgdogf

$$-\frac{-2x^4 + 8x^3 - 9x^2 - 2x - 10}{-2x^5 + 10x^4 - 19x^3 + 16x^2 - 8x + 3}$$

Sequence: A290061
Score: 8.72267
Type of gen. func.: ogf

$$-\frac{2x^4 - 8x^3 + 11x^2 - 5x + 3}{(x-1)^5}$$

Sequence: A290070
Score: 4.71625
Type of gen. func.: ogf

$$-(1961177012201 f(x) + 5307436668929)$$

$$(10 f(x) x^3 - 100 x^4 - f(x) x^2 - 90 x^3 - 10 f(x) x + f(x) - 1)$$

Sequence: A290070
Score: 4.71625
Type of gen. func.: ogf

$\{a(n + 3) - 10 a(n + 2) - a(n + 1) + 10 a(n), a(0) = 1, a(1) = 10, a(2) = 101,$

$a(3) = 1100, a(4) = 11101\}$

Sequence: A290070
Score: 9.97150
Type of gen. func.: ogf

$$\frac{100 x^4 + 90 x^3 + 1}{(x - 1) (10 x - 1) (x + 1)}$$

Sequence: A290071
Score: 6.16560
Type of gen. func.: ogf

$$\frac{x (6 x^5 - 36 x^4 + 88 x^3 - 111 x^2 + 77 x - 39)}{(x - 1)^7}$$

Sequence: A290072
Score: 4.63553
Type of gen. func.: ogf

$\{a(n + 5) - a(n + 4) - 100 a(n + 3) + 100 a(n + 2), a(0) = 1, a(1) = 1,$

$a(2) = 101, a(3) = 11, a(4) = 10111\}$

Sequence: A290072
Score: 4.75833
Type of gen. func.: ogf

$$-(10220967117020 f(x) - 7093416817849)$$
$$(100 f(x) x^3 - 100 x^4 - 100 f(x) x^2 + 90 x^3 - f(x) x + f(x) - 1)$$

Sequence: A290072
Score: 9.97926
Type of gen. func.: ogf

$$\frac{100 x^4 - 90 x^3 + 1}{(10 x - 1) (10 x + 1) (x - 1)}$$

Sequence: A290073
Score: 11.9419
Type of gen. func.: ogf

$$\frac{4 x^4 + 2 x^3 + 1}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A290073
Score: 5.31661
Type of gen. func.: ogf

{a(n + 5) - 2 a(n + 4) - a(n + 3) + 2 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 5,
a(3) = 12, a(4) = 29}

Sequence: A290073
Score: 6.25988
Type of gen. func.: ogf

$$-(1431 f(x) - 425) (2 f(x) x^3 - 4 x^4 - f(x) x^2 - 2 x^3 - 2 f(x) x + f(x) - 1)$$

Sequence: A290073
Score: 7.32288
Type of gen. func.: lgdogf

$$-\frac{8x^6 - 8x^5 - 26x^4 + 8x^3 + 2x + 2}{-8x^7 + 10x^5 - 4x^3 + x^2 + 2x - 1}$$

Sequence: A290074
Score: 12.0439
Type of gen. func.: ogf

$$\frac{4x^4 - 2x^3 + 1}{(2x - 1)(2x + 1)(x - 1)}$$

Sequence: A290074
Score: 5.39898
Type of gen. func.: ogf

$\{a(n + 5) - a(n + 4) - 4 a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 1, a(2) = 5,$

$a(3) = 3, a(4) = 23\}$

Sequence: A290074
Score: 6.36465
Type of gen. func.: ogf

$$(13932 f(x) + 10159)(4 f(x) x^3 - 4x^4 - 4 f(x) x^2 + 2x^3 - f(x) x + f(x) - 1)$$

Sequence: A290075
Score: 10.2386
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 + 2x^2 + x - 1}{(2x - 1)(2x^2 - 1)}$$

Sequence: A290075
Score: 5.47482
Type of gen. func.: ogf

{a(n + 5) - 2 a(n + 4) - 2 a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 1, a(2) = 2,

a(3) = 3, a(4) = 5}

Sequence: A290075
Score: 7.50833
Type of gen. func.: ogf

$$-4 f(x) x^3 - x^4 + 2 f(x) x^2 + x^3 + 2 f(x) x - 2 x^2 - f(x) - x + 1$$

Sequence: A290081
Score: 17.2406
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{2 x^7}{x^8 + 1}$$

Sequence: A290111
Score: 11.2581
Type of gen. func.: ogf

$$\frac{100 x^3 - 10 x^2 + 1}{(x - 1) (10 x - 1)}$$

Sequence: A290111
Score: 5.72135
Type of gen. func.: ogf

{a(n + 4) - 11 a(n + 3) + 10 a(n + 2), a(0) = 1, a(1) = 11, a(2) = 101,

a(3) = 1101}

Sequence: A290111
Score: 6.28834
Type of gen. func.: ogf

$$(282091 f(x) + 69349) (10 f(x) x^2 - 100 x^3 - 11 f(x) x + 10 x^2 + f(x) - 1)$$

Sequence: A290111
Score: 6.52341
Type of gen. func.: lgdogf

$$-\frac{-1000 x^4 + 2200 x^3 - 410 x^2 + 40 x - 11}{1000 x^5 - 1200 x^4 + 210 x^3 - 11 x + 1}$$

Sequence: A290112
Score: 11.4427
Type of gen. func.: ogf

$$\frac{10 x^3 - 10 x^2 + 1}{(x - 1) (10 x - 1)}$$

Sequence: A290112
Score: 5.72135
Type of gen. func.: ogf

{-a(n + 4) + 11 a(n + 3) - 10 a(n + 2), a(0) = 1, a(1) = 11, a(2) = 101,

a(3) = 1011}

Sequence: A290112
Score: 6.17704
Type of gen. func.: ogf

$$-(91183 f(x) - 56039) (10 f(x) x^2 - 10 x^3 - 11 f(x) x + 10 x^2 + f(x) - 1)$$

Sequence: A290112
Score: 6.77675
Type of gen. func.: lgdogf

$$-\frac{100 x^4 - 220 x^3 + 140 x^2 - 40 x + 11}{-100 x^5 + 210 x^4 - 120 x^3 + 11 x - 1}$$

Sequence: A290113
Score: 13.6180
Type of gen. func.: ogf

$$\frac{(2 x + 1) (2 x^2 - 2 x + 1)}{(2 x - 1) (x - 1)}$$

Sequence: A290113
Score: 6.74978
Type of gen. func.: ogf

{-a(n + 4) + 3 a(n + 3) - 2 a(n + 2), a(0) = 1, a(1) = 3, a(2) = 5, a(3) = 13}

Sequence: A290113
Score: 7.53616
Type of gen. func.: ogf

$$-(83 f(x) + 29) (2 f(x) x^2 - 4 x^3 - 3 f(x) x + 2 x^2 + f(x) - 1)$$

Sequence: A290113
Score: 8.43723
Type of gen. func.: lgdogf

$$- \frac{8 x^4 - 24 x^3 + 18 x^2 - 8 x + 3}{-8 x^5 + 16 x^4 - 10 x^3 + 3 x - 1}$$

Sequence: A290114
Score: 14.1673
Type of gen. func.: ogf

$$\frac{2 x^3 - 2 x^2 + 1}{(2 x - 1) (x - 1)}$$

Sequence: A290114
Score: 7.02205
Type of gen. func.: ogf

$$\{-a(n + 4) + 3\, a(n + 3) - 2\, a(n + 2), a(0) = 1, a(1) = 3, a(2) = 5, a(3) = 11\}$$

Sequence: A290114
Score: 7.84016
Type of gen. func.: ogf

$$-(31 f(x) + 25) (2 f(x) x^2 - 2 x^3 - 3 f(x) x + 2 x^2 + f(x) - 1)$$

Sequence: A290114
Score: 8.87402
Type of gen. func.: lgdogf

$$-\frac{4 x^4 - 12 x^3 + 12 x^2 - 8 x + 3}{-4 x^5 + 10 x^4 - 8 x^3 + 3 x - 1}$$

Sequence: A290124
Score: 10.0067
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 12\, a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A290124
Score: 12.9774
Type of gen. func.: lgdogf

$$-\frac{-12 x^2 - 24 x - 2}{-12 x^3 - 13 x^2 + 1}$$

Sequence: A290124
Score: 18.0555
Type of gen. func.: ogf

$$-\frac{x + 1}{(3 x + 1) (4 x - 1)}$$

Sequence: A290124
Score: 9.43808
Type of gen. func.: ogf

$$(61 f(x) - 57) (12 f(x) x^2 + f(x) x - f(x) + x + 1)$$

Sequence: A290127
Score: 4.21958
Type of gen. func.: ogf

$$- (24 x^8 - 192 x^7 + 666 x^6 - 1306 x^5 + 1585 x^4 - 1233 x^3 + 629 x^2 - 108 x + 40) / (x - 1)^9$$

Sequence: A290140
Score: 8.54831
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^4 - 4 x^3 + 3 x^2 - 2 x + 1)}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A290147
Score: 14.5318
Type of gen. func.: revogf

$$- 1/2 + \frac{(-8 x^2 + 4 x + 1)^{1/2}}{2}$$

Sequence: A290147
Score: 16.7923
Type of gen. func.: ogf

$$-x - 1 + f(x) - 2 f(x)^2 x$$

Sequence: A290147
Score: 3.54767
Type of gen. func.: ogf

$$\{(-16 n^2 - 16 n) a(n) + (-24 n^2 - 72 n - 48) a(n + 1) + (-6 n^2 - 36 n - 54) a(n + 2) + (n^2 + 7 n + 12) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 12\}$$

Sequence: A290157
Score: 4.62736
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) - a(n), a(0) = 151646890045, a(1) = 836564809606, a(2) = 942785024683\}$$

Sequence: A290157
Score: 7.21470
Type of gen. func.: ogf

$$\frac{45426674968 x^2 - 684917919561 x - 151646890045}{x^3 + x^2 + x - 1}$$

Sequence: A290168
Score: 6.32410
Type of gen. func.: ogf

$$\frac{x^2 (3 x^2 + x + 2)}{(x + 1)^3 (x - 1)^4}$$

Sequence: A290168
Score: 7.78944
Type of gen. func.: lgdogf

$$- \frac{15 x^3 + 9 x^2 + 21 x + 3}{3 x^4 + x^3 - x^2 - x - 2}$$

Sequence: A290186
Score: 10.8413
Type of gen. func.: lgdogf

$$-\frac{2 x^{3} + 6 x^{2} + 6 x - 5}{x^{4} + 4 x^{3} - x^{2} - 3 x + 1}$$

Sequence: A290186
Score: 16.3643
Type of gen. func.: ogf

$$\frac{x + 1}{x^{3} + 3 x^{2} - 4 x + 1}$$

Sequence: A290186
Score: 7.67527
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 3 a(n + 1) + a(n), a(0) = 1, a(1) = 5, a(2) = 17\}$$

Sequence: A290186
Score: 7.7438
Type of gen. func.: ogf

$$-(4501 f(x) + 342) (f(x) x^{3} + 3 f(x) x^{2} - 4 f(x) x + f(x) - x - 1)$$

Sequence: A290191
Score: 11.6334
Type of gen. func.: ogf

$$\frac{10 x^{2} + 1}{(x - 1) (10 x - 1) (x + 1)}$$

Sequence: A290191

Score: 5.67484
Type of gen. func.: ogf

$$-(12221 f(x) + 145510) (10 f(x) x^3 - f(x) x^2 - 10 f(x) x - 10 x^2 + f(x) - 1)$$

Sequence: A290191
Score: 5.96585
Type of gen. func.: ogf

$$\{a(n + 3) - 10 a(n + 2) - a(n + 1) + 10 a(n), a(0) = 1, a(1) = 10, a(2) = 111\}$$

Sequence: A290191
Score: 7.05056
Type of gen. func.: lgdogf

$$- \frac{-100 x^4 - 130 x^2 + 22 x + 10}{-100 x^5 + 10 x^4 + 90 x^3 - 9 x^2 + 10 x - 1}$$

Sequence: A290192
Score: 4.23033
Type of gen. func.: ogf

$$\{10 a(n + 2) + a(n + 1) - 10 a(n) - a(n + 3), a(0) = 1, a(1) = 10, a(2) = 101,$$
$$a(3) = 1101, a(4) = 11100, a(5) = 111101\}$$

Sequence: A290192
Score: 8.94878
Type of gen. func.: ogf

$$\frac{10 x^5 + 89 x^4 + 91 x^3 + 1}{(x - 1) (10 x - 1) (x + 1)}$$

Sequence: A290193
Score: 4.38114
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 100 a(n + 1) - 100 a(n), a(0) = 1, a(1) = 1, a(2) = 101,$$

a(3) = 1011, a(4) = 111, a(5) = 101111}

Sequence: A290193
Score: 8.25870
Type of gen. func.: ogf

$$\frac{10000 x^5 - 10900 x^4 + 910 x^3 + 1}{(10 x - 1) (10 x + 1) (x - 1)}$$

Sequence: A290194
Score: 10.6332
Type of gen. func.: ogf

$$\frac{2 x^5 + x^4 + 3 x^3 + 1}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A290194
Score: 5.14056
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) - a(n + 1) + 2 a(n), a(0) = 1, a(1) = 2, a(2) = 5,

a(3) = 13, a(4) = 28, a(5) = 61}

Sequence: A290195
Score: 10.4380
Type of gen. func.: ogf

$$\frac{16 x^5 - 20 x^4 + 6 x^3 + 1}{(2 x - 1) (2 x + 1) (x - 1)}$$

Sequence: A290195
Score: 5.21901
Type of gen. func.: ogf

{4 a(n + 1) - 4 a(n) - a(n + 3) + a(n + 2), a(0) = 1, a(1) = 1, a(2) = 5,

a(3) = 11, a(4) = 7, a(5) = 47}

Sequence: A290196
Score: 8.61735
Type of gen. func.: ogf

$$-\frac{90x^5-9x^4-90x^3-x^2+x-1}{(x-1)(10x-1)}$$

Sequence: A290197
Score: 8.10731
Type of gen. func.: ogf

$$\frac{9000x^5-9000x^4-90x^3+100x^2-10x+1}{(x-1)(10x-1)}$$

Sequence: A290198
Score: 10.0808
Type of gen. func.: ogf

$$-\frac{2x^5-x^4-2x^3-x^2+x-1}{(2x-1)(x-1)}$$

Sequence: A290199
Score: 10.3043
Type of gen. func.: ogf

$$\frac{8x^5-8x^4-2x^3+4x^2-2x+1}{(2x-1)(x-1)}$$

Sequence: A290220
Score: 10.2114
Type of gen. func.: ogf

$$\frac{2x(2x^8+4x^7+2x^5+2x^4+3x^3+2x^2+2x+1)}{(x^2+x+1)(x-1)^2}$$

Sequence: A290221
Score: 11.1692
Type of gen. func.: ogf

$$-\frac{2 x (2 x^8 + 4 x^7 + 2 x^5 + 2 x^4 + 3 x^3 + 2 x^2 + 2 x + 1)}{(x - 1) (x^2 + x + 1)}$$

Sequence: A290232
Score: 8.61735
Type of gen. func.: ogf

$$\frac{10 x^3 - 1}{(x - 1) (10 x - 1) (x + 1) (10 x^2 - 1)}$$

Sequence: A290233
Score: 8.70560
Type of gen. func.: ogf

$$\frac{100 x^3 - 1}{(x - 1) (10 x + 1) (10 x - 1) (10 x^2 - 1)}$$

Sequence: A290234
Score: 10.5853
Type of gen. func.: ogf

$$\frac{2 x^3 - 1}{(x - 1) (2 x - 1) (x + 1) (2 x^2 - 1)}$$

Sequence: A290235
Score: 10.8328
Type of gen. func.: ogf

$$\frac{4 x^3 - 1}{}$$

$$(x - 1) (2 x + 1) (2 x - 1) (2 x^{2} - 1)$$

Sequence: A290237
Score: 13.9601
Type of gen. func.: ogf

$$-(10 f(x) x - f(x) + 1)^{3}$$

Sequence: A290268
Score: 5.57401
Type of gen. func.: ogf

$$- \frac{x^{9} + 2 x^{8} + x^{7} + 2 x^{6} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 2 x^{2} + x + 1}{(x^{4} + 1) (x^{2} + 1) (x + 1)^{2} (x - 1)^{3}}$$

Sequence: A290270
Score: 7.93204
Type of gen. func.: ogf

$$- \frac{x^{6} + 6 x^{5} - 7 x^{4} - 5 x^{3} + x + 3}{(x - 1) (x^{6} - x^{4} - x^{3} - x^{2} + 1)}$$

Sequence: A290273
Score: 9.66635
Type of gen. func.: ogf

$$- \frac{2 x^{5} - x^{3} - x^{2} - 2 x - 2}{x^{6} - x^{4} - x^{3} - x^{2} + 1}$$

Sequence: A290285
Score: 4.06148
Type of gen. func.: ogf

$$- (576 x^{7} - 736 x^{6} + 60 x^{5} - 6 x^{4} + 73 x^{3} - 48 x^{2} + 12 x - 1) \;/\; ((8 x - 1)$$

/

$$(2 x - 1) (x + 1) (x^2 - x + 1) (4 x^2 + 2 x + 1) (16 x^2 - 4 x + 1))$$

Sequence: A290312
Score: 10.5530
Type of gen. func.: ogf

$$\frac{x^2 - 3 x - 1}{(x - 1)^5}$$

Sequence: A290312
Score: 12.8260
Type of gen. func.: lgdogf

$$- \frac{-3 x^2 + 10 x + 8}{-x^3 + 4 x^2 - 2 x - 1}$$

Sequence: A290312
Score: 4.18938
Type of gen. func.: ogf

$$\{(-4 - n) a(n + 4) + (2 - 2 n) a(n + 3) + (18 + 4 n) a(n + 2)$$

$$+ (-4 - n) a(n + 1), a(0) = 1, a(1) = 8, a(2) = 29, a(3) = 75\}$$

Sequence: A290313
Score: 10.3010
Type of gen. func.: ogf

$$\frac{x^3 + 2 x^2 - 17 x - 1}{(x - 1)^7}$$

Sequence: A290313
Score: 12.8460
Type of gen. func.: lgdogf

$$-\frac{-4x^3-13x^2+98x+24}{-x^4-x^3+19x^2-16x-1}$$

Sequence: A290313
Score: 5.30053
Type of gen. func.: ogf

$$\{(493n^2+5611n+15730)a(n+1)+(-1501n^2-14003n-28290)a(n+2)$$
$$+(1008n^2+5302n+6834)a(n+3),\ a(0)=1,\ a(1)=24,\ a(2)=145\}$$

Sequence: A290314
Score: 6.98245
Type of gen. func.: ogf

$$-\frac{2x^4-27x^3+49x^2+80x+1}{(x-1)^9}$$

Sequence: A290314
Score: 8.79271
Type of gen. func.: lgdogf

$$-\frac{-10x^4+154x^3-262x^2-738x-89}{-2x^5+29x^4-76x^3-31x^2+79x+1}$$

Sequence: A290325
Score: 11.2545
Type of gen. func.: ogf

$$-\frac{3(x^3-2x^2+2x+1)}{(x-1)^3}$$

Sequence: A290325
Score: 11.4200
Type of gen. func.: lgdogf

$$-\frac{-x^2 - 5}{-x^4 + 3x^3 - 4x^2 + x + 1}$$

Sequence: A290325
Score: 5.75229
Type of gen. func.: ogf

$\{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 3, a(1) = 15, a(2) = 30,$
$a(3) = 51\}$

Sequence: A290325
Score: 6.41784
Type of gen. func.: ogf

$$(44 f(x) + 93) (f(x) x^3 - 3 f(x) x^2 + 3 x^3 + 3 f(x) x - 6 x^2 - f(x) + 6 x + 3)$$

Sequence: A290360
Score: 11.9050
Type of gen. func.: lgdogf

$$-\frac{9x^2 + 28x + 11}{3x^3 + x^2 - 3x - 1}$$

Sequence: A290360
Score: 3.96834
Type of gen. func.: ogf

$\{(n + 3) a(n + 4) + (-5 + 3 n) a(n + 3) + (-29 - n) a(n + 2)$
$+ (-9 - 3 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 11, a(3) = 58\}$

Sequence: A290360
Score: 7.85732
Type of gen. func.: ogf

$$\frac{x (3 x + 1) (x + 1)^2}{(x - 1)^6}$$

Sequence: A290361
Score: 6.55287
Type of gen. func.: ogf

$$- \frac{x (4 x^4 + 21 x^3 + 27 x^2 + 8 x + 1)}{(x - 1)^7}$$

Sequence: A290361
Score: 7.35653
Type of gen. func.: lgdogf

$$- \frac{12 x^4 + 100 x^3 + 198 x^2 + 102 x + 15}{4 x^5 + 17 x^4 + 6 x^3 - 19 x^2 - 7 x - 1}$$

Sequence: A290362
Score: 5.65235
Type of gen. func.: ogf

$$\frac{x (5 x^5 + 57 x^4 + 120 x^3 + 75 x^2 + 14 x + 1)}{(x - 1)^8}$$

Sequence: A290363
Score: 4.77204
Type of gen. func.: ogf

$$- \frac{x (8 x^6 + 135 x^5 + 493 x^4 + 537 x^3 + 190 x^2 + 21 x + 1)}{(x - 1)^9}$$

Sequence: A290364
Score: 3.90631
Type of gen. func.: ogf

$$\frac{x (13 x^{7} + 312 x^{6} + 1835 x^{5} + 3272 x^{4} + 2029 x^{3} + 442 x^{2} + 32 x + 1)}{(x - 1)^{10}}$$

Sequence: A290379
Score: 4.20325
Type of gen. func.: ogf

$$- \frac{(x + 1) (2 x^{9} + 2 x^{8} + 3 x^{7} + 5 x^{6} + 3 x^{5} + x^{4} + 5 x^{3} + x^{2} + 4 x + 2)}{2 x^{11} + 4 x^{10} + 5 x^{9} + 3 x^{8} + 2 x^{7} + x^{6} + 4 x^{5} + 4 x^{4} + 3 x^{3} + x^{2} - 1}$$

Sequence: A290381
Score: 6.50570
Type of gen. func.: ogf

$$- \frac{40 x^{5} - 12 x^{4} + 24 x^{3} - 49 x^{2} - 31 x - 22}{8 x^{6} - 4 x^{5} - 4 x^{4} - 5 x^{3} - 2 x^{2} - x + 1}$$

Sequence: A290391
Score: 11.7372
Type of gen. func.: ogf

$$- \frac{6 x^{6} (4 x^{2} + 5 x + 5)}{(x - 1)^{3}}$$

Sequence: A290391
Score: 13.6303
Type of gen. func.: lgdogf

$$- \frac{-4 x^{2} - 18 x - 20}{-4 x^{3} - x^{2} + 5}$$

Sequence: A290391
Score: 4.69488
Type of gen. func.: ogf

$$\{(7 n^2 - 48 n + 85) a(n + 1) + (-7 n^2 + 62 n - 140) a(n + 2), a(0) = 0,$$
$$a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0, a(6) = 30\}$$

Sequence: A290392
Score: 6.84528
Type of gen. func.: ogf

$$-\frac{x^4 (10 x^6 + 165 x^5 + 187 x^4 + 156 x^3 + 71 x^2 + x + 4)}{(x - 1)^3}$$

Sequence: A290396
Score: 4.94668
Type of gen. func.: ogf

$$(1836750 f(x) + 20582789) (48 f(x) x^4 - 92 f(x) x^3 + 56 f(x) x^2 + 204 x^3$$
$$- 13 f(x) x - 290 x^2 + f(x) + 114 x - 13)$$

Sequence: A290396
Score: 9.05016
Type of gen. func.: ogf

$$-\frac{204 x^3 - 290 x^2 + 114 x - 13}{(x - 1) (-1 + 6 x) (4 x - 1) (2 x - 1)}$$

Sequence: A290398
Score: 5.41884
Type of gen. func.: ogf

$(f(x) + 6)$

4 3 4 2 3 2

```
    (f(x) x  - f(x) x  - x  - f(x) x  - 6 x  - f(x) x - 6 x  + f(x) - 6 x - 1)
```

Sequence: A290398
Score: 9.24391
Type of gen. func.: ogf

$$\frac{x^4 + 6 x^3 + 6 x^2 + 6 x + 1}{x^4 - x^3 - x^2 - x + 1}$$

Sequence: A290403
Score: 13.2503
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-48 x^2 + 48 x - 48}{-x^4 + 1}$$

Sequence: A290412
Score: 5.05801
Type of gen. func.: ogf

$$\frac{100 x^9 - 110 x^8 + 11 x^6 - x^5 + 100 x^4 - 100 x^3 + 10 x^2 - 1}{(x - 1) (10 x - 1) (x + 1) (10 x^2 - 1)}$$

Sequence: A290413
Score: 4.46808
Type of gen. func.: ogf

$$(10000000 x^9 - 11000000 x^8 + 1100000 x^6 - 100000 x^5 + 100 x^4 - 10 x^3 + 10 x^2 - 1) / ((x - 1) (10 x + 1) (10 x - 1) (10 x^2 - 1))$$

Sequence: A290414
Score: 6.41508
Type of gen. func.: ogf

$$\frac{4 x^{9} - 6 x^{8} + 3 x^{6} - x^{5} + 4 x^{4} - 4 x^{3} + 2 x^{2} - 1}{(x - 1) (2 x - 1) (x + 1) (2 x^{2} - 1)}$$

Sequence: A290415
Score: 6.11298
Type of gen. func.: ogf

$$\frac{128 x^{9} - 192 x^{8} + 96 x^{6} - 32 x^{5} + 4 x^{4} - 2 x^{3} + 2 x^{2} - 1}{(x - 1) (2 x + 1) (2 x - 1) (2 x^{2} - 1)}$$

Sequence: A290443
Score: 3.79175
Type of gen. func.: ogf

$$\{(-48 n^{3} - 384 n^{2} - 996 n - 840) a(n + 1)$$

$$+ (-8 n^{3} - 88 n^{2} - 322 n - 392) a(n + 2)$$

$$+ (n^{3} + 14 n^{2} + 65 n + 100) a(n + 3), a(0) = 1, a(1) = 2, a(2) = 10\}$$

Sequence: A290470
Score: 5.00833
Type of gen. func.: ogf

$$- \frac{(x + 1) (3 x^{4} - 4 x^{3} - 1) (x^{3} - x^{2} - x - 3)}{(x^{2} + 1) (x^{3} - x^{2} - x - 1) (x^{4} - 2 x^{2} - 2 x + 1)}$$

Sequence: A290471
Score: 5.59779
Type of gen. func.: ogf

$$\frac{(x + 1) (x^{6} + 2 x^{5} + 5 x^{4} + 2 x^{3} + 4 x^{2} - 3 x - 1)}{(x^{3} + x^{2} + x - 1) (x^{3} + x^{2} - 1)}$$

Sequence: A290477
Score: 9.11255
Type of gen. func.: ogf

$$\frac{5 x^4 + x^3 + 4 x^2 + x + 3}{(-1 + 6 x) (x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A290492
Score: 6.30785
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A290493
Score: 10.5045
Type of gen. func.: ogf

$$- \frac{6 x^5 - 4 x^3 - 2 x - 1}{x^6 - x^4 - x^2 - x + 1}$$

Sequence: A290494
Score: 6.68527
Type of gen. func.: ogf

$$- \frac{4 x^6 - 2 x^5 + x^4 - 4 x^3 - 7 x^2 + 2 x + 5}{(x - 1) (x^6 - x^4 - x^2 - x + 1)}$$

Sequence: A290503
Score: 6.09322
Type of gen. func.: ogf

$$\frac{30517578125 (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1)}{(x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A290525
Score: 5.76864
Type of gen. func.: ogf

$$\frac{100 x^7 - 110 x^6 + 111 x^4 - 101 x^3 + 10 x^2 - 1}{(x - 1) (10 x - 1) (x + 1) (10 x^2 - 1)}$$

Sequence: A290526
Score: 5.32798
Type of gen. func.: ogf

$$\frac{100000 x^7 - 110000 x^6 + 11100 x^4 - 1010 x^3 + 10 x^2 - 1}{(x - 1) (10 x + 1) (10 x - 1) (10 x^2 - 1)}$$

Sequence: A290527
Score: 7.39262
Type of gen. func.: ogf

$$\frac{4 x^7 - 6 x^6 + 7 x^4 - 5 x^3 + 2 x^2 - 1}{(x - 1) (2 x - 1) (x + 1) (2 x^2 - 1)}$$

Sequence: A290528
Score: 7.12246
Type of gen. func.: ogf

$$\frac{32 x^7 - 48 x^6 + 28 x^4 - 10 x^3 + 2 x^2 - 1}{(x - 1) (2 x + 1) (2 x - 1) (2 x^2 - 1)}$$

Sequence: A290535
Score: 10.353
Type of gen. func.: ogf

$$-(f(x) - 1)^2 (104284 x^6 + f(x) - 1)$$

Sequence: A290539
Score: 7.98809
Type of gen. func.: ogf

$$(f(x) - 1) (8489565952 x^{8} + f(x)^{2} - f(x))$$

Sequence: A290540
Score: 16.9038
Type of gen. func.: ogf

$$-(f(x) - 1)^{2}$$

Sequence: A290545
Score: 13.9601
Type of gen. func.: ogf

$$-(10 f(x) x - f(x) + 1)^{3}$$

Sequence: A290545
Score: 6.91094
Type of gen. func.: lgdogf

$$-\frac{-1973000000 x^{8} - 800000 x^{7} - 10}{-1981000000 x^{9} + 198100000 x^{8} - 10 x + 1}$$

Sequence: A290545
Score: 8.72506
Type of gen. func.: ogf

$$-\frac{99100000 x^{8} + 1}{(10 x - 1) (99000000 x^{8} + 1)}$$

Sequence: A290561

Score: 10.5390
Type of gen. func.: ogf

$$\frac{x^3 + x^2 - x + 1}{(x^2 + 1) (x - 1)^2}$$

Sequence: A290561
Score: 5.71482
Type of gen. func.: ogf

$\{-a(n + 4) + 2 a(n + 3) - 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 1,$

$a(2) = 1, a(3) = 3\}$

Sequence: A290561
Score: 5.75536
Type of gen. func.: ogf

$-(3 f(x) + 4)$

$(f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - x^3 - 2 f(x) x - x^2 + f(x) + x - 1)$

Sequence: A290562
Score: 10.5936
Type of gen. func.: ogf

$$\frac{x^3 - x^2 + 3 x - 1}{(x^2 + 1) (x - 1)^2}$$

Sequence: A290562
Score: 5.74444
Type of gen. func.: ogf

$-(8 f(x) + 31)$

$(f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - x^3 - 2 f(x) x + x^2 + f(x) - 3 x + 1)$

Sequence: A290575

Score: 3.99771
Type of gen. func.: ogf

$$\{(-16 n^3 - 96 n^2 - 192 n - 128) a(n + 1) + (24 n^3 + 180 n^2 + 452 n + 380) a(n + 2) + (-n^3 - 9 n^2 - 27 n - 27) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 40\}$$

Sequence: A290576
Score: 2.95813
Type of gen. func.: ogf

$$\{(-27 n^3 - 162 n^2 - 324 n - 216) a(n + 1) + (-18 n^3 - 135 n^2 - 339 n - 285) a(n + 2) + (n^3 + 9 n^2 + 27 n + 27) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 27\}$$

Sequence: A290587
Score: 5.36379
Type of gen. func.: ogf

$$- (8 x^{10} - 22 x^9 - 46 x^8 + 260 x^7 - 461 x^6 + 491 x^5 - 363 x^4 + 169 x^3 - 50 x^2 + 14 x - 3) / ((2 x - 1)^2 (x - 1)^6)$$

Sequence: A290588
Score: 8.65158
Type of gen. func.: ogf

$$- \frac{13 x^3 + 7 x^2 - 17 x + 5}{(3 x - 1) (x - 1) (2 x^3 + x^2 + 2 x - 1)}$$

Sequence: A290591
Score: 4.10301
Type of gen. func.: ogf

$$-\frac{2\,(360\,x^8-96\,x^7+280\,x^6-492\,x^5+30\,x^4+44\,x^3+6\,x^2+3\,x+2)}{80\,x^9-24\,x^8+80\,x^7-164\,x^6+12\,x^5+22\,x^4+4\,x^3+3\,x^2+4\,x-1}$$

Sequence: A290593
Score: 13.9816
Type of gen. func.: ogf

$$-\frac{4\,x^3+9\,x+3}{(x+1)\,(x^3-x^2+2\,x-1)}$$

Sequence: A290593
Score: 6.76887
Type of gen. func.: ogf

$$-(394335\,f(x)+1966481)\,(f(x)\,x^4+f(x)\,x^2+4\,x^3+f(x)\,x-f(x)+9\,x+3)$$

Sequence: A290593
Score: 7.28956
Type of gen. func.: lgdogf

$$-\frac{-4\,x^6-23\,x^4-4\,x^3-21\,x^2-6\,x-12}{-4\,x^7-13\,x^5-7\,x^4-5\,x^3-12\,x^2+6\,x+3}$$

Sequence: A290604
Score: 12.7823
Type of gen. func.: ogf

$$\frac{3\,x^2-2\,x+2}{(x-1)\,(2\,x-1)\,(x+1)}$$

Sequence: A290604
Score: 6.83966
Type of gen. func.: ogf

$$(89 f(x) + 179) (2 f(x) x^3 - f(x) x^2 - 2 f(x) x - 3 x^2 + f(x) + 2 x - 2)$$

Sequence: A290604
Score: 6.96180
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - a(n + 1) + 2 a(n), a(0) = 2, a(1) = 2, a(2) = 9\}$$

Sequence: A290604
Score: 8.66358
Type of gen. func.: lgdogf

$$-\frac{6 x^4 - 8 x^3 + 20 x^2 - 10 x - 2}{6 x^5 - 7 x^4 + 5 x^2 - 6 x + 2}$$

Sequence: A290608
Score: 10.7840
Type of gen. func.: ogf

$$-\frac{2 (2 x + 1) (x + 1)^2}{(x^2 + x + 1) (x^2 + x - 1)}$$

Sequence: A290608
Score: 6.18615
Type of gen. func.: ogf

$$-(1065 f(x) - 422)$$

$$(f(x) x^4 + 2 f(x) x^3 + f(x) x^2 + 4 x^3 + 10 x^2 - f(x) + 8 x + 2)$$

Sequence: A290612
Score: 12.4432
Type of gen. func.: ogf

```
                3    2
             3 x  + x  + x - 4
          - --------------------
                    3    2
```

$$(x - 1) (x + x - 1)$$

Sequence: A290612
Score: 7.03756
Type of gen. func.: ogf

$$(23 f(x) + 295) (f(x) x^4 - f(x) x^2 + 3 x^3 - f(x) x + x^2 + f(x) + x - 4)$$

Sequence: A290616
Score: 9.62086
Type of gen. func.: ogf

$$-\frac{2 x^3 - x - 2}{x^6 + 2 x^4 - 2 x^3 - x^2 - 2 x + 1}$$

Sequence: A290623
Score: 13.9601
Type of gen. func.: ogf

$$-(10 f(x) x - f(x) + 1)^3$$

Sequence: A290623
Score: 5.58404
Type of gen. func.: ogf

$$-\frac{900000 x^8 + 100000000 x^6 - 1}{(10 x - 1) (1000000 x^8 + 100000000 x^6 - 1)}$$

Sequence: A290631
Score: 10.1897
Type of gen. func.: lgdogf

$$-\frac{-x^3 - 7 x^2 - 25 x - 15}{-x^4 - x^3 - 5 x^2 + 5 x + 2}$$

Sequence: A290631
Score: 10.8513
Type of gen. func.: ogf

$$\frac{x^3 + 2 x^2 + 7 x + 2}{(x - 1)^4}$$

Sequence: A290631
Score: 4.17776
Type of gen. func.: ogf

$$\{(-249 n^2 - 1127 n - 1258) a(n + 1) + (-314 n^2 - 4408 n - 9690) a(n + 2) + (563 n^2 + 3099 n + 4230) a(n + 3), a(0) = 2, a(1) = 15, a(2) = 50\}$$

Sequence: A290631
Score: 5.60774
Type of gen. func.: ogf

$$(1024056 f(x) + 3804101) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 2 x^2 + f(x) - 7 x - 2)$$

Sequence: A290651
Score: 3.69155
Type of gen. func.: ogf

$$\{(-12 n - 54) a(n + 1) + (22 n + 87) a(n + 2) + (-12 n - 44) a(n + 3) + (2 n + 7) a(n + 4), a(0) = 4, a(1) = 6, a(2) = 11, a(3) = 26\}$$

Sequence: A290651
Score: 4.95446
Type of gen. func.: ogf

$$-(2156 f(x) + 6499) (6 f(x) x^4 - 17 f(x) x^3 + 17 f(x) x^2 + 17 x^3 - 7 f(x) x - 37 x^2 + f(x) + 22 x - 4)$$

Sequence: A290651
Score: 9.18387
Type of gen. func.: ogf

$$-\frac{17 x^3 - 37 x^2 + 22 x - 4}{(3 x - 1) (2 x - 1) (x - 1)^2}$$

Sequence: A290660
Score: 4.98575
Type of gen. func.: ogf

$\{-a(n + 4) + 10 a(n + 3) + a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 11,$

$a(2) = 101, a(3) = 1111\}$

Sequence: A290660
Score: 5.209
Type of gen. func.: ogf

$(185435 + 867086 f(x))$

$(10 f(x) x^3 - f(x) x^2 - 100 x^3 - 10 f(x) x + 10 x^2 + f(x) - x - 1)$

Sequence: A290660
Score: 6.17704
Type of gen. func.: lgdogf

$$-\frac{2020 x^3 - 371 x^2 + 18 x - 11}{1000 x^6 - 200 x^5 - 980 x^4 + 209 x^3 - 21 x^2 - 9 x + 1}$$

Sequence: A290660
Score: 9.43250
Type of gen. func.: ogf

$$\frac{100 x^3 - 10 x^2 + x + 1}{(x - 1) (10 x - 1) (x + 1)}$$

Sequence: A290661
Score: 4.91553
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 3) + 100 a(n + 2) - 100 a(n + 1), a(0) = 1, a(1) = 11, a(2) = 101, a(3) = 1111\}$$

Sequence: A290661
Score: 5.09493
Type of gen. func.: ogf

$$(571361 + 4438643 f(x)) (100 f(x) x^3 - 100 f(x) x^2 - 10 x^3 - f(x) x + 10 x^2 + f(x) - 10 x - 1)$$

Sequence: A290661
Score: 9.18428
Type of gen. func.: ogf

$$\frac{10 x^3 - 10 x^2 + 10 x + 1}{(10 x - 1) (10 x + 1) (x - 1)}$$

Sequence: A290662
Score: 11.1483
Type of gen. func.: ogf

$$\frac{2 x^3 - 2 x^2 + 2 x + 1}{(2 x - 1) (2 x + 1) (x - 1)}$$

Sequence: A290662
Score: 5.78370
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 3) + 4 a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 5, a(3) = 15\}$$

Sequence: A290662
Score: 6.25392
Type of gen. func.: ogf

$$(449 + 531 f(x))$$

$$(4 f(x) x^3 - 4 f(x) x^2 - 2 x^3 - f(x) x + 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A290662
Score: 8.45310
Type of gen. func.: lgdogf

$$- \frac{20 x^3 - 4 x^2 - 4 x - 3}{8 x^6 - 16 x^5 + 14 x^4 - 8 x^2 + x + 1}$$

Sequence: A290664
Score: 13.9601
Type of gen. func.: ogf

$$-(10 f(x) x - f(x) + 1)^3$$

Sequence: A290668
Score: 13.9601
Type of gen. func.: ogf

$$-(10 f(x) x - f(x) + 1)^3$$

Sequence: A290680
Score: 8.40970
Type of gen. func.: ogf

$$- \frac{10 x^5 - 11 x^4 + 11 x^3 - 11 x^2 + x - 1}{(x - 1) (10 x - 1)}$$

Sequence: A290681
Score: 7.44101

Type of gen. func.: ogf

$$-\frac{10000 x^5 - 11000 x^4 + 1100 x^3 - 110 x^2 + 10 x - 1}{(x - 1) (10 x - 1)}$$

Sequence: A290682
Score: 10.0808
Type of gen. func.: ogf

$$-\frac{2 x^5 - 3 x^4 + 3 x^3 - 3 x^2 + x - 1}{(2 x - 1) (x - 1)}$$

Sequence: A290683
Score: 9.65911
Type of gen. func.: ogf

$$-\frac{16 x^5 - 24 x^4 + 12 x^3 - 6 x^2 + 2 x - 1}{(2 x - 1) (x - 1)}$$

Sequence: A290685
Score: 13.9601
Type of gen. func.: ogf

$$-(10 f(x) x - f(x) + 1)^3$$

Sequence: A290685
Score: 6.23219
Type of gen. func.: lgdogf

$$-\frac{-200847200000 x^8 + 96800000 x^7 + 110}{-199879200000 x^9 + 19987920000 x^8 + 110 x - 11}$$

Sequence: A290685
Score: 7.67038
Type of gen. func.: ogf

$$-\frac{9987910000 x^{8} - 11}{(10 x - 1) (10000010000 x^{8} - 11)}$$

Sequence: A290689
Score: 2.36134
Type of gen. func.: ogf

$$-f(x) (f(x) x^{2} + f(x) x - x^{2} - f(x) + 1)^{2}$$

Sequence: A290690
Score: 7.44571
Type of gen. func.: lgdegf]

$$-\frac{-8 x^{3} - 14 x^{2} - 2 x}{-x^{5} + 5 x^{4} - 10 x^{3} + 10 x^{2} - 5 x + 1}$$

Sequence: A290698
Score: 4.29518
Type of gen. func.: ogf

$$-\frac{9 x^{8} - 8 x^{7} - 28 x^{6} - 18 x^{5} + 25 x^{4} + 44 x^{3} + 36 x^{2} + 10 x + 2}{(x^{2} + x + 1) (x^{7} - 2 x^{6} - 3 x^{5} + 2 x^{4} + 6 x^{3} + 3 x^{2} + 3 x - 1)}$$

Sequence: A290699
Score: 10.7623
Type of gen. func.: ogf

$$-\frac{2 (x^{3} - x^{2} + 2 x - 1)}{(2 x - 1) (x - 1)^{3}}$$

Sequence: A290699
Score: 5.90889
Type of gen. func.: ogf

$$(f(x) + 32) (2 f(x) x^4 - 7 f(x) x^3 + 2 x^4 + 9 f(x) x^2 - 2 x^3 - 5 f(x) x + 4 x^2$$
$$+ f(x) - 2 x)$$

Sequence: A290699
Score: 9.31118
Type of gen. func.: lgdogf

$$- \frac{-2 x^4 - 8 x^2 + 10 x - 3}{-2 x^5 + 5 x^4 - 8 x^3 + 9 x^2 - 5 x + 1}$$

Sequence: A290700
Score: 4.57401
Type of gen. func.: ogf

$$- \frac{9 x^8 - 8 x^7 - 14 x^6 - 12 x^5 + 10 x^4 + 8 x^3 + 18 x^2 + 4 x + 1}{(x^2 + 1) (x^3 - x^2 - x - 1) (x^4 - 2 x^2 - 2 x + 1)}$$

Sequence: A290707
Score: 11.3003
Type of gen. func.: ogf

$$- \frac{2 x^3 + x - 1}{(2 x - 1) (x - 1)^3}$$

Sequence: A290707
Score: 5.81881
Type of gen. func.: ogf

$$-(8 f(x) + 97)$$

$$(2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 + 2 x^3 - 5 f(x) x + f(x) + x - 1)$$

Sequence: A290707

Score: 8.76092
Type of gen. func.: lgdogf

$$-\frac{4 x^4 + 8 x^3 - 10 x + 4}{4 x^5 - 6 x^4 + 4 x^3 - 5 x^2 + 4 x - 1}$$

Sequence: A290708
Score: 4.30399
Type of gen. func.: ogf

$$-\frac{512 x^7 + 1288 x^6 + 12 x^5 - 630 x^4 - 92 x^3 + 66 x^2 + 4 x - 9}{64 x^8 + 184 x^7 + 2 x^6 - 126 x^5 - 23 x^4 + 22 x^3 + 2 x^2 - 9 x + 1}$$

Sequence: A290709
Score: 5.11932
Type of gen. func.: ogf

$$-(8 f(x) + 121) (2 f(x) x^4 - 7 f(x) x^3 + 6 x^4 + 9 f(x) x^2 - 19 x^3 - 5 f(x) x + 25 x^2 + f(x) - 2 x - 4)$$

Sequence: A290709
Score: 7.38922
Type of gen. func.: lgdogf

$$-\frac{-4 x^4 - 70 x^2 + 78 x - 22}{-12 x^6 + 56 x^5 - 113 x^4 + 98 x^3 - 23 x^2 - 10 x + 4}$$

Sequence: A290709
Score: 9.00295
Type of gen. func.: ogf

$$-\frac{6 x^4 - 19 x^3 + 25 x^2 - 2 x - 4}{(2 x - 1) (x - 1)^3}$$

Sequence: A290710
Score: 5.77413
Type of gen. func.: ogf

$$-\frac{12 x^{6} - 44 x^{5} + 37 x^{4} + 53 x^{3} - 119 x^{2} + 91 x - 24}{(2 x - 1) (x - 1)^{5}}$$

Sequence: A290718
Score: 15.7141
Type of gen. func.: ogf

$$-\frac{2 x^{2} - 11 x + 3}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A290718
Score: 8.3192
Type of gen. func.: ogf

$$-(63 f(x) + 11) (8 f(x) x^{3} - 14 f(x) x^{2} + 7 f(x) x + 2 x^{2} - f(x) - 11 x + 3)$$

Sequence: A290718
Score: 8.60857
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 8 a(n), a(0) = 3, a(1) = 10, a(2) = 30\}$$

Sequence: A290718
Score: 8.91879
Type of gen. func.: lgdogf

$$-\frac{-16 x^{4} + 176 x^{3} - 212 x^{2} + 80 x - 10}{-16 x^{5} + 116 x^{4} - 192 x^{3} + 121 x^{2} - 32 x + 3}$$

Sequence: A290720

Score: 3.80899
Type of gen. func.: ogf

$$\{(-72 n - 84) a(n + 1) + (114 n + 61) a(n + 2) + (-48 n - 14) a(n + 3) + (6 n + 1) a(n + 4), a(0) = 3, a(1) = 13, a(2) = 40, a(3) = 127\}$$

Sequence: A290720
Score: 5.32743
Type of gen. func.: ogf

$$-(4 f(x) - 101) (12 f(x) x^4 - 31 f(x) x^3 + 27 f(x) x^2 - 25 x^3 - 9 f(x) x - 4 x^2 + f(x) + 14 x - 3)$$

Sequence: A290720
Score: 9.61537
Type of gen. func.: ogf

$$\frac{25 x^3 + 4 x^2 - 14 x + 3}{(4 x - 1) (3 x - 1) (x - 1)^2}$$

Sequence: A290721
Score: 11.6075
Type of gen. func.: lgdogf

$$-\frac{8 x^2 + 23 x - 13}{4 x^3 + 3 x^2 - 9 x + 2}$$

Sequence: A290721
Score: 14.4546
Type of gen. func.: ogf

$$-\frac{x + 2}{(4 x - 1) (x - 1)^2}$$

Sequence: A290721

Score: 6.72011
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 9 a(n + 1) - 4 a(n), a(0) = 2, a(1) = 13, a(2) = 60\}$$

Sequence: A290721
Score: 6.77958
Type of gen. func.: ogf

$$(311049 f(x) - 295208) (4 f(x) x^3 - 9 f(x) x^2 + 6 f(x) x - f(x) + x + 2)$$

Sequence: A290743
Score: 11.5574
Type of gen. func.: ogf

$$-\frac{2 x^3 - 2 x^2 - x + 2}{(x + 1) (x - 1)^3}$$

Sequence: A290743
Score: 6.70134
Type of gen. func.: ogf

$$(2 f(x) + 1) (f(x) x^4 - 2 f(x) x^3 + 2 x^3 + 2 f(x) x - 2 x^2 - f(x) - x + 2)$$

Sequence: A290743
Score: 9.06203
Type of gen. func.: lgdogf

$$-\frac{-2 x^4 + x^2 - 2 x - 3}{-2 x^5 + 2 x^4 + 3 x^3 - 4 x^2 - x + 2}$$

Sequence: A290744
Score: 7.75731
Type of gen. func.: ogf

$$5 x^6 - 5 x^5 + x^4 + x^3 + x^2 - 4 x + 5$$

$$-\frac{\qquad}{(x^4+x^3+x^2+x+1)(x-1)^3}$$

Sequence: A290745
Score: 4.80904
Type of gen. func.: ogf

$$-\frac{10x^{11}-10x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2-9x+10}{(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x-1)^3}$$

Sequence: A290756
Score: 3.07856
Type of gen. func.: ogf

$$\{(336n+848)a(n+1)+(-546n-1042)a(n+2)+(231n+373)a(n+3)$$

$$+(-21n-32)a(n+4),\ a(0)=7,\ a(1)=60,\ a(2)=499,\ a(3)=4062\}$$

Sequence: A290756
Score: 4.30999
Type of gen. func.: ogf

$$(89397411285 f(x)+82457956592)($$

$$16 f(x) x^4-42 f(x) x^3+37 f(x) x^2-12 f(x) x-38x^2+f(x)+24x-7)$$

Sequence: A290756
Score: 8.90731
Type of gen. func.: ogf

$$\frac{38x^2-24x+7}{(2x-1)(8x-1)(x-1)^2}$$

Sequence: A290757
Score: 3.72099
Type of gen. func.: ogf

4 3 2

$$-(16807005058653 f(x) + 77250511106467) (49 f(x) x - 112 f(x) x + 78 f(x) x$$

$$+ 560 x^3 - 16 f(x) x - 1231 x^2 + f(x) + 1006 x - 167)$$

Sequence: A290757
Score: 7.36110
Type of gen. func.: ogf

$$-\frac{560 x^3 - 1231 x^2 + 1006 x - 167}{(7 x - 1)^2 (x - 1)^2}$$

Sequence: A290762
Score: 5.82646
Type of gen. func.: ogf

$$-\frac{x^6 - 3 x^5 - 6 x^3 + 7 x^2 - 6 x + 2}{(x^3 + 2 x - 1) (x^3 - x^2 + 2 x - 1)}$$

Sequence: A290764
Score: 15.9986
Type of gen. func.: lgdogf

$$-\frac{9 x - 5}{3 x^2 - 4 x + 1}$$

Sequence: A290764
Score: 18.7300
Type of gen. func.: ogf

$$-\frac{3}{(3 x - 1) (x - 1)^2}$$

Sequence: A290764
Score: 6.73624
Type of gen. func.: ogf

$\{a(n + 3) - 5 a(n + 2) + 7 a(n + 1) - 3 a(n), a(0) = 3, a(1) = 15, a(2) = 54\}$

Sequence: A290764
Score: 7.31362
Type of gen. func.: ogf

$$(2005 f(x) - 3159) (3 f(x) x^3 - 7 f(x) x^2 + 5 f(x) x - f(x) + 3)$$

Sequence: A290768
Score: 13.9165
Type of gen. func.: ogf

$$- \frac{3 (x^2 - x + 1)}{(x - 1)^3}$$

Sequence: A290768
Score: 14.1485
Type of gen. func.: lgdogf

$$- \frac{-x^2 - 2}{-x^3 + 2 x^2 - 2 x + 1}$$

Sequence: A290768
Score: 25.5917
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^2 + x + 2$$

Sequence: A290768
Score: 7.51246
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3, a(1) = 6, a(2) = 12\}$

Sequence: A290768
Score: 9.5383
Type of gen. func.: ogf

$$f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 3 x^{2} - f(x) - 3 x + 3$$

Sequence: A290775
Score: 12.6294
Type of gen. func.: lgdogf

$$- \frac{30 x^{2} + 42 x + 12}{6 x^{3} - x^{2} - 4 x - 1}$$

Sequence: A290775
Score: 4.29529
Type of gen. func.: ogf

$$\{(-475 n^{2} - 5301 n - 13604) a(n + 1) + (232 n^{2} - 691 n - 17292) a(n + 2)$$

$$+ (243 n^{2} + 1684 n + 1441) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A290775
Score: 7.90816
Type of gen. func.: ogf

$$- \frac{2 x^{2} (2 x + 1) (3 x + 1)}{(x - 1)^{7}}$$

Sequence: A290778
Score: 4.83618
Type of gen. func.: ogf

$$- \frac{x^{3} (x^{10} - x^{9} - 2 x^{7} + x^{6} - x^{5} + 3 x^{4} - x^{2} - x - 2)}{(x^{2} + 1) (x + 1)^{2} (x^{2} + x + 1)^{2} (x - 1)^{6}}$$

Sequence: A290779
Score: 6.29107
Type of gen. func.: ogf

$$\frac{x^2 (12 x^3 + 58 x^2 + 49 x + 1)}{(x - 1)^8}$$

Sequence: A290779
Score: 8.83578
Type of gen. func.: lgdogf

$$- \frac{60 x^3 + 384 x^2 + 459 x + 57}{12 x^4 + 46 x^3 - 9 x^2 - 48 x - 1}$$

Sequence: A290781
Score: 17.1220
Type of gen. func.: lgdogf

$$- \frac{x + 7}{x^2 + 2 x - 3}$$

Sequence: A290781
Score: 17.8665
Type of gen. func.: ogf

$$\frac{5 (x + 3)}{(x - 1)^2}$$

Sequence: A290781
Score: 9.3393
Type of gen. func.: ogf

$$(8 f(x) + 125) (f(x) x^2 - 2 f(x) x + f(x) - 5 x - 15)$$

Sequence: A290781
Score: 9.78402
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 15, a(1) = 35\}$$

Sequence: A290792
Score: 8.94719
Type of gen. func.: ogf

$$- (x^{40} - x^{30} + x^{20} - x^{10} + 1) / ((x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x + 1)^2 (x - 1)^3)$$

Sequence: A290813
Score: 4.23033
Type of gen. func.: ogf

$$\{10 a(n + 2) + a(n + 1) - 10 a(n) - a(n + 3), a(0) = 1, a(1) = 10, a(2) = 101, a(3) = 1111, a(4) = 11100, a(5) = 111111\}$$

Sequence: A290813
Score: 8.83551
Type of gen. func.: ogf

$$\frac{10 x^5 - 11 x^4 + 101 x^3 + 1}{(x - 1) (10 x - 1) (x + 1)}$$

Sequence: A290819
Score: 7.15095
Type of gen. func.: ogf

$$\{(-64 n^3 - 416 n^2 - 892 n - 630) a(n + 1) + (n + 3) a(n + 2), a(0) = 1, a(1) = 45\}$$

Sequence: A290827
Score: 4.38114

Type of gen. func.: ogf

{-a(n + 3) + a(n + 2) + 100 a(n + 1) - 100 a(n), a(0) = 1, a(1) = 1, a(2) = 101,

a(3) = 1111, a(4) = 111, a(5) = 111111}

Sequence: A290827
Score: 8.16485
Type of gen. func.: ogf

$$\frac{10000 x^5 - 11000 x^4 + 1010 x^3 + 1}{(10 x - 1) (10 x + 1) (x - 1)}$$

Sequence: A290828
Score: 10.6332
Type of gen. func.: ogf

$$\frac{2 x^5 - 3 x^4 + 5 x^3 + 1}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A290828
Score: 5.14056
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) - a(n + 1) + 2 a(n), a(0) = 1, a(1) = 2, a(2) = 5,

a(3) = 15, a(4) = 28, a(5) = 63}

Sequence: A290829
Score: 10.4399
Type of gen. func.: ogf

$$\frac{16 x^5 - 24 x^4 + 10 x^3 + 1}{(2 x - 1) (2 x + 1) (x - 1)}$$

Sequence: A290829
Score: 5.28954
Type of gen. func.: ogf

$\{a(n+3) - a(n+2) - 4\,a(n+1) + 4\,a(n),\ a(0) = 1,\ a(1) = 1,\ a(2) = 5,$

$a(3) = 15,\ a(4) = 7,\ a(5) = 63\}$

Sequence: A290831
Score: 13.9601
Type of gen. func.: ogf

$$-(10 f(x) x - f(x) + 1)^3$$

Sequence: A290834
Score: 7.34742
Type of gen. func.: ogf

$$-\frac{110 x^6 - 121 x^5 + 111 x^4 - 100 x^3 - x^2 + x - 1}{(x - 1) (10 x - 1)}$$

Sequence: A290835
Score: 6.56208
Type of gen. func.: ogf

$$-\frac{110000 x^6 - 121000 x^5 + 11100 x^4 - 10 x^3 - 100 x^2 + 10 x - 1}{(x - 1) (10 x - 1)}$$

Sequence: A290836
Score: 9.13206
Type of gen. func.: ogf

$$-\frac{6 x^6 - 9 x^5 + 7 x^4 - 4 x^3 - x^2 + x - 1}{(2 x - 1) (x - 1)}$$

Sequence: A290837
Score: 8.78101
Type of gen. func.: ogf

$$-\frac{48 x^6 - 72 x^5 + 28 x^4 - 2 x^3 - 4 x^2 + 2 x - 1}{(2 x - 1) (x - 1)}$$

Sequence: A290849
Score: 13.9601
Type of gen. func.: ogf

$$-(10 f(x) x - f(x) + 1)^3$$

Sequence: A290853
Score: 13.9601
Type of gen. func.: ogf

$$-(10 f(x) x - f(x) + 1)^3$$

Sequence: A290856
Score: 11.4633
Type of gen. func.: lgdogf

$$-\frac{-30 x^4 + 40 x^3 + 1}{10 x^5 - 10 x^4 + x - 1}$$

Sequence: A290856
Score: 12.8963
Type of gen. func.: ogf

$$f(x) (10 x^4 + f(x) x - f(x) + 1)$$

Sequence: A290856
Score: 19.6515
Type of gen. func.: ogf

$$-\frac{10 x^4 + 1}{x - 1}$$

Sequence: A290856

Score: 7.57212
Type of gen. func.: ogf

$$\{-a(n+2) + a(n+1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1, a(4) = 11\}$$

Sequence: A290857
Score: 15.5112
Type of gen. func.: ogf

$$-\frac{1000 x^4 + 1}{10 x - 1}$$

Sequence: A290857
Score: 5.86559
Type of gen. func.: ogf

$$\{-a(n+2) + 10 a(n+1), a(0) = 1, a(1) = 10, a(2) = 100, a(3) = 1000,$$
$$a(4) = 11000\}$$

Sequence: A290857
Score: 8.30958
Type of gen. func.: lgdogf

$$-\frac{-30000 x^4 + 4000 x^3 + 10}{10000 x^5 - 1000 x^4 + 10 x - 1}$$

Sequence: A290857
Score: 9.83107
Type of gen. func.: ogf

$$-f(x) (1000 x^4 + 10 f(x) x - f(x) + 1)$$

Sequence: A290858
Score: 11.4634
Type of gen. func.: lgdogf

$$-6 x^4 + 8 x^3 + 1$$

```
- -------------------
     5      4
  2 x  - 2 x  + x - 1
```

Sequence: A290858
Score: 11.6345
Type of gen. func.: ogf

$$-f(x) (2 x^4 + f(x) x - f(x) + 1)$$

Sequence: A290858
Score: 19.0125
Type of gen. func.: ogf

$$-\frac{2 x^4 + 1}{x - 1}$$

Sequence: A290858
Score: 7.21769
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1, a(4) = 3\}$$

Sequence: A290859
Score: 11.3241
Type of gen. func.: lgdogf

$$-\frac{-48 x^4 + 32 x^3 + 2}{16 x^5 - 8 x^4 + 2 x - 1}$$

Sequence: A290859
Score: 12.0002
Type of gen. func.: ogf

$$-f(x) (8 x^4 + 2 f(x) x - f(x) + 1)$$

Sequence: A290859
Score: 19.6100
Type of gen. func.: ogf

$$-\frac{8 x^{4} + 1}{2 x - 1}$$

Sequence: A290859
Score: 7.37624
Type of gen. func.: ogf

{-a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8, a(4) = 24}

Sequence: A290890
Score: 15.4789
Type of gen. func.: ogf

$$\frac{x}{(x^{2} - 3 x + 1) (x^{2} - x + 1)}$$

Sequence: A290890
Score: 6.1664
Type of gen. func.: ogf

$$-(94 f(x) + 19) (f(x) x^{4} - 4 f(x) x^{3} + 5 f(x) x^{2} - 4 f(x) x + f(x) - x)$$

Sequence: A290890
Score: 9.24961
Type of gen. func.: lgdogf

$$-\frac{4 x^{3} - 12 x^{2} + 10 x - 4}{x^{4} - 4 x^{3} + 5 x^{2} - 4 x + 1}$$

Sequence: A290891
Score: 10.8538
Type of gen. func.: ogf

$$\frac{x^{2}}{(x^{2}-3x+1)(x^{4}-3x^{3}+5x^{2}-3x+1)}$$

Sequence: A290892
Score: 9.02421
Type of gen. func.: ogf

$$\frac{x^{3}}{(x^{2}-x+1)(x^{4}-4x^{3}+7x^{2}-4x+1)(x^{2}-3x+1)}$$

Sequence: A290893
Score: 6.54234
Type of gen. func.: ogf

$$x^{4} / ((x^{2}-3x+1)(x^{8}-7x^{7}+23x^{6}-44x^{5}+55x^{4}-44x^{3}+23x^{2}-7x+1))$$

Sequence: A290894
Score: 5.42471
Type of gen. func.: ogf

$$x^{5} / ((x^{2}-3x+1)(x^{2}-x+1)(x^{4}-5x^{3}+9x^{2}-5x+1)(x^{4}-3x^{3}+5x^{2}-3x+1))$$

Sequence: A290895
Score: 4.40044
Type of gen. func.: ogf

$$x^{6} / ((x^{2}-3x+1)(x^{12}-11x^{11}+57x^{10}-182x^{9}+398x^{8}-626x^{7}+727x^{6}-626x^{5}+398x^{4}-182x^{3}+57x^{2}-11x+1))$$

Sequence: A290897
Score: 7.30521
Type of gen. func.: ogf

$$\frac{x^4 - 4 x^3 + 7 x^2 - 4 x + 1}{(x^3 - 4 x^2 + 3 x - 1) (x^3 - 3 x^2 + 4 x - 1)}$$

Sequence: A290898
Score: 5.38824
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1) (x^4 - 5 x^3 + 9 x^2 - 5 x + 1)}{x^8 - 9 x^7 + 34 x^6 - 71 x^5 + 89 x^4 - 71 x^3 + 34 x^2 - 9 x + 1}$$

Sequence: A290899
Score: 6.06648
Type of gen. func.: ogf

$$\frac{x (x^4 - 4 x^3 + 7 x^2 - 4 x + 1)}{x^8 - 8 x^7 + 27 x^6 - 52 x^5 + 63 x^4 - 52 x^3 + 27 x^2 - 8 x + 1}$$

Sequence: A290900
Score: 7.93209
Type of gen. func.: ogf

$$\frac{x (x^2 - x + 1)}{x^6 - 6 x^5 + 14 x^4 - 19 x^3 + 14 x^2 - 6 x + 1}$$

Sequence: A290901
Score: 6.49830
Type of gen. func.: ogf

$$x^2 (x^2 - x + 1)$$

$$x^8 - 8 x^7 + 28 x^6 - 57 x^5 + 71 x^4 - 57 x^3 + 28 x^2 - 8 x + 1$$

Sequence: A290902
Score: 15.8240
Type of gen. func.: lgdogf

$$-\frac{2 x - 5}{x^2 - 5 x + 1}$$

Sequence: A290902
Score: 23.0168
Type of gen. func.: ogf

$$\frac{3}{x^2 - 5 x + 1}$$

Sequence: A290902
Score: 9.15125
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - a(n), a(0) = 3, a(1) = 15\}$$

Sequence: A290902
Score: 9.26286
Type of gen. func.: ogf

$$(23 f(x) + 6) (f(x) x^2 - 5 f(x) x + f(x) - 3)$$

Sequence: A290903
Score: 14.2712
Type of gen. func.: lgdogf

$$-\frac{2 x - 7}{x^2 - 7 x + 1}$$

Sequence: A290903
Score: 20.7581
Type of gen. func.: ogf

$$\frac{5}{x^2 - 7x + 1}$$

Sequence: A290903
Score: 8.25322
Type of gen. func.: ogf

$$(47 f(x) + 10) (f(x) x^2 - 7 f(x) x + f(x) - 5)$$

Sequence: A290903
Score: 8.25322
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) - a(n), a(0) = 5, a(1) = 35\}$$

Sequence: A290904
Score: 14.2719
Type of gen. func.: ogf

$$\frac{2x}{x^4 - 4x^3 + 4x^2 - 4x + 1}$$

Sequence: A290904
Score: 6.35639
Type of gen. func.: ogf

$$(43 f(x) + 10) (f(x) x^4 - 4 f(x) x^3 + 4 f(x) x^2 - 4 f(x) x + f(x) - 2 x)$$

Sequence: A290904
Score: 9.33838
Type of gen. func.: lgdogf

$$4x^3 - 12x^2 + 8x - 4$$

$$-\frac{}{x^4 - 4x^3 + 4x^2 - 4x + 1}$$

Sequence: A290905
Score: 16.0119
Type of gen. func.: ogf

$$\frac{x}{x^4 - 4x^3 + 4x^2 - 4x + 1}$$

Sequence: A290905
Score: 6.64898
Type of gen. func.: ogf

$$(43 f(x) + 5) (f(x) x^4 - 4 f(x) x^3 + 4 f(x) x^2 - 4 f(x) x + f(x) - x)$$

Sequence: A290905
Score: 9.68619
Type of gen. func.: lgdogf

$$-\frac{4x^3 - 12x^2 + 8x - 4}{x^4 - 4x^3 + 4x^2 - 4x + 1}$$

Sequence: A290906
Score: 14.3649
Type of gen. func.: ogf

$$\frac{3x}{x^4 - 4x^3 + 3x^2 - 4x + 1}$$

Sequence: A290906
Score: 6.13983
Type of gen. func.: ogf

$$-(262 f(x) + 63) (f(x) x^4 - 4 f(x) x^3 + 3 f(x) x^2 - 4 f(x) x + f(x) - 3x)$$

Sequence: A290906
Score: 9.39925
Type of gen. func.: lgdogf

$$-\frac{-4x^3+12x^2-6x+4}{-x^4+4x^3-3x^2+4x-1}$$

Sequence: A290907
Score: 14.7120
Type of gen. func.: ogf

$$\frac{x}{x^4-4x^3+3x^2-4x+1}$$

Sequence: A290907
Score: 6.28819
Type of gen. func.: ogf

$$-(262 f(x) + 21) (f(x) x^4 - 4 f(x) x^3 + 3 f(x) x^2 - 4 f(x) x + f(x) - x)$$

Sequence: A290907
Score: 9.62636
Type of gen. func.: lgdogf

$$-\frac{-4x^3+12x^2-6x+4}{-x^4+4x^3-3x^2+4x-1}$$

Sequence: A290908
Score: 14.0775
Type of gen. func.: ogf

$$\frac{4x}{(x^2+1)(x^2-4x+1)}$$

Sequence: A290908
Score: 6.26978
Type of gen. func.: ogf

$$(91 f(x) + 22) (f(x) x^4 - 4 f(x) x^3 + 2 f(x) x^2 - 4 f(x) x + f(x) - 4 x)$$

Sequence: A290908
Score: 9.21117
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 12 x^2 + 4 x - 4}{x^4 - 4 x^3 + 2 x^2 - 4 x + 1}$$

Sequence: A290909
Score: 13.4828
Type of gen. func.: ogf

$$\frac{5 x}{x^4 - 4 x^3 + x^2 - 4 x + 1}$$

Sequence: A290909
Score: 5.71672
Type of gen. func.: ogf

$$-(478 f(x) + 115) (f(x) x^4 - 4 f(x) x^3 + f(x) x^2 - 4 f(x) x + f(x) - 5 x)$$

Sequence: A290909
Score: 8.82211
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 12 x^2 + 2 x - 4}{x^4 - 4 x^3 + x^2 - 4 x + 1}$$

Sequence: A290910
Score: 13.5242
Type of gen. func.: ogf

$$\frac{x}{x^4 - 4x^3 + x^2 - 4x + 1}$$

Sequence: A290910
Score: 5.78049
Type of gen. func.: ogf

$$-(478 f(x) + 23) (f(x) x^4 - 4 f(x) x^3 + f(x) x^2 - 4 f(x) x + f(x) - x)$$

Sequence: A290910
Score: 8.84916
Type of gen. func.: lgdogf

$$-\frac{4x^3 - 12x^2 + 2x - 4}{x^4 - 4x^3 + x^2 - 4x + 1}$$

Sequence: A290911
Score: 10.6830
Type of gen. func.: lgdogf

$$-\frac{4x^3 - 12x^2 - 4}{x^4 - 4x^3 - 4x + 1}$$

Sequence: A290911
Score: 16.3805
Type of gen. func.: ogf

$$\frac{6x}{x^4 - 4x^3 - 4x + 1}$$

Sequence: A290911

Score: 7.08772
Type of gen. func.: ogf

$$-(34 f(x) + 3) (f(x) x^4 - 4 f(x) x^3 - 4 f(x) x + f(x) - 6 x)$$

Sequence: A290912
Score: 10.7659
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 12 x^2 - 4}{x^4 - 4 x^3 - 4 x + 1}$$

Sequence: A290912
Score: 18.1182
Type of gen. func.: ogf

$$\frac{x}{x^4 - 4 x^3 - 4 x + 1}$$

Sequence: A290912
Score: 7.14275
Type of gen. func.: ogf

$$-(68 f(x) + 1) (f(x) x^4 - 4 f(x) x^3 - 4 f(x) x + f(x) - x)$$

Sequence: A290913
Score: 14.3939
Type of gen. func.: ogf

$$\frac{7 x}{x^4 - 4 x^3 - x^2 - 4 x + 1}$$

Sequence: A290913
Score: 6.35728
Type of gen. func.: ogf

$$(106 f(x) + 25) (f(x) x^4 - 4 f(x) x^3 - f(x) x^2 - 4 f(x) x + f(x) - 7 x)$$

Sequence: A290913
Score: 9.41821
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 + 12 x^2 + 2 x + 4}{-x^4 + 4 x^3 + x^2 + 4 x - 1}$$

Sequence: A290914
Score: 14.3848
Type of gen. func.: ogf

$$\frac{x}{x^4 - 4 x^3 - x^2 - 4 x + 1}$$

Sequence: A290914
Score: 6.35329
Type of gen. func.: ogf

$$(742 f(x) + 25) (f(x) x^4 - 4 f(x) x^3 - f(x) x^2 - 4 f(x) x + f(x) - x)$$

Sequence: A290914
Score: 9.41228
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 + 12 x^2 + 2 x + 4}{-x^4 + 4 x^3 + x^2 + 4 x - 1}$$

Sequence: A290915
Score: 13.5517
Type of gen. func.: ogf

$$\frac{8 x}{{}^{4} \qquad {}^{3} \qquad {}^{2}}$$

$$x - 4 x - 2 x - 4 x + 1$$

Sequence: A290915
Score: 5.98533
Type of gen. func.: ogf

$$(223 f(x) + 52) (f(x) x^4 - 4 f(x) x^3 - 2 f(x) x^2 - 4 f(x) x + f(x) - 8 x)$$

Sequence: A290915
Score: 8.86715
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 12 x^2 - 4 x - 4}{x^4 - 4 x^3 - 2 x^2 - 4 x + 1}$$

Sequence: A290916
Score: 13.4221
Type of gen. func.: ogf

$$\frac{x}{x^4 - 4 x^3 - 2 x^2 - 4 x + 1}$$

Sequence: A290916
Score: 5.9281
Type of gen. func.: ogf

$$(446 f(x) + 13) (f(x) x^4 - 4 f(x) x^3 - 2 f(x) x^2 - 4 f(x) x + f(x) - x)$$

Sequence: A290916
Score: 8.78237
Type of gen. func.: lgdogf

$$-\frac{4 x^3 - 12 x^2 - 4 x - 4}{x^4 - 4 x^3 - 2 x^2 - 4 x + 1}$$

Sequence: A290917
Score: 10.9011
Type of gen. func.: ogf

$$\frac{(2 x - 1) (x - 2)}{(x^2 - 3 x + 1)^2}$$

Sequence: A290917
Score: 5.69459
Type of gen. func.: ogf

$$(277 f(x) + 167)$$

$$(f(x) x^4 - 6 f(x) x^3 + 11 f(x) x^2 - 6 f(x) x - 2 x^2 + f(x) + 5 x - 2)$$

Sequence: A290917
Score: 8.97734
Type of gen. func.: lgdogf

$$- \frac{-4 x^3 + 15 x^2 - 19 x + 7}{-2 x^4 + 11 x^3 - 19 x^2 + 11 x - 2}$$

Sequence: A290918
Score: 7.14612
Type of gen. func.: ogf

$$\frac{3 x^4 - 15 x^3 + 25 x^2 - 15 x + 3}{(x^2 - 3 x + 1)^3}$$

Sequence: A290919
Score: 3.72817
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 1) + (4 n + 8) a(n + 2) + (-4 n - 20) a(n + 3)$$

$$+ (n + 5) a(n + 4), a(0) = 4, a(1) = 18, a(2) = 72, a(3) = 271\}$$

Sequence: A290919
Score: 5.02928
Type of gen. func.: ogf

$$\frac{(2 x - 1) (x - 2) (2 x^4 - 10 x^3 + 17 x^2 - 10 x + 2)}{(x^2 - 3 x + 1)^4}$$

Sequence: A290920
Score: 3.58539
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 1) + (4 n + 7) a(n + 2) + (-4 n - 21) a(n + 3)$$

$$+ (n + 5) a(n + 4), a(0) = 5, a(1) = 25, a(2) = 110, a(3) = 450\}$$

Sequence: A290920
Score: 3.77212
Type of gen. func.: ogf

$$\frac{5 x^8 - 50 x^7 + 210 x^6 - 475 x^5 + 621 x^4 - 475 x^3 + 210 x^2 - 50 x + 5}{(x^2 - 3 x + 1)^5}$$

Sequence: A290921
Score: 3.68100
Type of gen. func.: ogf

$$\{(-n - 2) a(n + 1) + (4 n + 6) a(n + 2) + (-4 n - 22) a(n + 3)$$

$$+ (n + 5) a(n + 4), a(0) = 6, a(1) = 33, a(2) = 158, a(3) = 696\}$$

Sequence: A290922
Score: 11.6790
Type of gen. func.: ogf

$$\frac{x^2 + 1}{(x^2 - 4 x + 1) (x^2 - x + 1)}$$

Sequence: A290922
Score: 5.93075
Type of gen. func.: ogf

$$(193 f(x) + 32) (f(x) x^4 - 5 f(x) x^3 + 6 f(x) x^2 - 5 f(x) x - x^2 + f(x) - 1)$$

Sequence: A290922
Score: 6.60119
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 5 x^4 + 4 x^3 - 10 x^2 + 10 x - 5}{x^6 - 5 x^5 + 7 x^4 - 10 x^3 + 7 x^2 - 5 x + 1}$$

Sequence: A290923
Score: 10.5014
Type of gen. func.: ogf

$$\frac{2 (x^2 - x + 1)}{x^4 - 6 x^3 + 8 x^2 - 6 x + 1}$$

Sequence: A290923
Score: 5.53127
Type of gen. func.: ogf

$$(92 f(x) + 13)$$

$$(f(x) x^4 - 6 f(x) x^3 + 8 f(x) x^2 - 6 f(x) x - 2 x^2 + f(x) + 2 x - 2)$$

Sequence: A290924
Score: 11.1028
Type of gen. func.: ogf

$$\frac{x^2 - x + 1}{x^4 - 6 x^3 + 8 x^2 - 6 x + 1}$$

Sequence: A290924
Score: 5.80373
Type of gen. func.: ogf

$$(184 f(x) + 13)$$

$$(f(x) x^4 - 6 f(x) x^3 + 8 f(x) x^2 - 6 f(x) x - x^2 + f(x) + x - 1)$$

Sequence: A290924
Score: 6.49231
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - 9 x^4 + 16 x^3 - 20 x^2 + 14 x - 5}{x^6 - 7 x^5 + 15 x^4 - 20 x^3 + 15 x^2 - 7 x + 1}$$

Sequence: A290925
Score: 10.4367
Type of gen. func.: ogf

$$\frac{3 x^2 - 4 x + 3}{x^4 - 7 x^3 + 10 x^2 - 7 x + 1}$$

Sequence: A290925
Score: 5.45202
Type of gen. func.: ogf

$$(647 f(x) + 116)$$

$$(f(x) x^4 - 7 f(x) x^3 + 10 f(x) x^2 - 7 f(x) x - 3 x^2 + f(x) + 4 x - 3)$$

Sequence: A290926
Score: 6.01872
Type of gen. func.: ogf

$$\frac{x (2 x^4 - 8 x^3 + 11 x^2 - 8 x + 2)}{(x^2 - 3 x + 1)^2 (x^2 - x + 1)^2}$$

Sequence: A290927
Score: 3.47104
Type of gen. func.: ogf

$$\frac{x (3 x^8 - 24 x^7 + 81 x^6 - 156 x^5 + 193 x^4 - 156 x^3 + 81 x^2 - 24 x + 3)}{(x^2 - 3 x + 1)^3 (x^2 - x + 1)^3}$$

Sequence: A290928
Score: 3.70572
Type of gen. func.: ogf

$$\frac{x^2 (2 x^6 - 12 x^5 + 30 x^4 - 41 x^3 + 30 x^2 - 12 x + 2)}{(x^2 - 3 x + 1)^2 (x^4 - 3 x^3 + 5 x^2 - 3 x + 1)^2}$$

Sequence: A290929
Score: 7.08092
Type of gen. func.: ogf

$$\frac{x^4 - 3 x^3 + 3 x^2 - 3 x + 1}{(x^2 - x + 1) (x^2 - 3 x + 1)^2}$$

Sequence: A290930
Score: 5.64636
Type of gen. func.: ogf

$$\frac{x (3 x^4 - 12 x^3 + 16 x^2 - 12 x + 3)}{(x^2 - 3 x + 1) (x^4 - 4 x^3 + 4 x^2 - 4 x + 1) (x^2 - x + 1)}$$

Sequence: A290938
Score: 6.98164
Type of gen. func.: ogf

4   3   2

$$-\frac{(x + 1) (8 x - 3 x - x - 17 x + 5)}{(x - 1) (2 x^{2} + 3 x - 1) (x^{3} + x^{2} + 3 x - 1)}$$

Sequence: A290939
Score: 11.8752
Type of gen. func.: lgdogf

$$-\frac{-20 x^{2} + 28 x + 13}{-4 x^{3} + 10 x^{2} - 5 x - 1}$$

Sequence: A290939
Score: 3.91999
Type of gen. func.: ogf

$$\{(4565 n^{2} + 21729 n + 13876) a(n + 1) + (-12659 n^{2} - 56618 n - 73073) a(n + 2)$$

$$+ (8094 n^{2} + 13715 n + 5621) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 24\}$$

Sequence: A290939
Score: 7.40841
Type of gen. func.: ogf

$$\frac{24 x^{2} (4 x^{2} - 6 x - 1)}{(x - 1)^{7}}$$

Sequence: A290940
Score: 3.93407
Type of gen. func.: ogf

$$\{(-2393 n^{2} - 10053 n - 1924) a(n + 1) + (5465 n^{2} + 18576 n + 40135) a(n + 2)$$

$$+ (-3072 n^{2} - 3770 n - 698) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 16\}$$

Sequence: A290940
Score: 6.11295

Type of gen. func.: ogf

$$-\frac{4 x^2 (319 x^3 - 222 x^2 - 198 x - 4)}{(x - 1)^8}$$

Sequence: A290940
Score: 8.19261
Type of gen. func.: lgdogf

$$-\frac{-1595 x^3 + 375 x^2 + 1830 x + 230}{-319 x^4 + 541 x^3 - 24 x^2 - 194 x - 4}$$

Sequence: A290943
Score: 12.4478
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3 x^4 + 3 x + 3}{-x^5 - x^4 - x^3 - x^2 - x - 1}$$

Sequence: A290968
Score: 8.24817
Type of gen. func.: ogf

$$-\frac{x^4 - 2 x^3 - x^2 + 1}{(x + 1) (x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A290986
Score: 10.4076
Type of gen. func.: ogf

$$-\frac{1}{(x^4 - x^3 + 2 x - 1) (x - 1)^2}$$

Sequence: A290986
Score: 7.04683
Type of gen. func.: lgdogf

$$-\frac{6x^4 - 9x^3 + 3x^2 + 6x - 4}{x^5 - 2x^4 + x^3 + 2x^2 - 3x + 1}$$

Sequence: A290987
Score: 7.30640
Type of gen. func.: ogf

$$-\frac{x^5 - x^4 + x^3 + x^2 - 2x + 1}{(x^4 - x^3 + 2x - 1)(x - 1)^2}$$

Sequence: A290988
Score: 9.72277
Type of gen. func.: ogf

$$\frac{x^7 + x^4 + x^2 + x + 1}{(x^2 + x + 1)(x^2 - x + 1)(x - 1)^2 (x + 1)^2}$$

Sequence: A290989
Score: 6.97419
Type of gen. func.: ogf

$$\frac{(x + 1)(x^2 - x + 1)}{(x - 1)(x^4 - x + 1)(x^4 - x^3 + 2x - 1)}$$

Sequence: A290990
Score: 10.3023
Type of gen. func.: ogf

$$-\frac{x(2x^2 - 2x + 1)}{x^4 + 2x^3 - 5x^2 + 4x - 1}$$

Sequence: A290990
Score: 5.33380
Type of gen. func.: ogf

$$\{-a(n + 4) + 4 a(n + 3) - 5 a(n + 2) + 2 a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 5\}$$

Sequence: A290990
Score: 5.48952
Type of gen. func.: ogf

$$-(2 f(x) + 1) (f(x) x^4 + 2 f(x) x^3 - 5 f(x) x^2 + 2 x^3 + 4 f(x) x - 2 x^2 - f(x) + x)$$

Sequence: A290991
Score: 7.62829
Type of gen. func.: ogf

$$-\frac{x^2 (x^3 + x^2 - 2 x + 1)}{x^6 + x^5 - 3 x^4 + 5 x^3 - 6 x^2 + 4 x - 1}$$

Sequence: A290992
Score: 7.65357
Type of gen. func.: ogf

$$-\frac{x^3 (x^4 + x^2 - 2 x + 1)}{x^8 + x^6 - 2 x^5 + 4 x^3 - 6 x^2 + 4 x - 1}$$

Sequence: A290993
Score: 12.0944
Type of gen. func.: ogf

```
                                   5
                                  x
              - -----------------------------------------
                            2               2
```

$$(2 x - 1) (x - x + 1) (3 x - 3 x + 1)$$

Sequence: A290993
Score: 7.51495
Type of gen. func.: lgdogf

$$-\frac{-30 x^4 + 60 x^3 - 60 x^2 + 30 x - 6}{-6 x^5 + 15 x^4 - 20 x^3 + 15 x^2 - 6 x + 1}$$

Sequence: A290994
Score: 9.91286
Type of gen. func.: ogf

$$-\frac{x^6}{(2 x - 1) (x^6 - 3 x^5 + 9 x^4 - 13 x^3 + 11 x^2 - 5 x + 1)}$$

Sequence: A290995
Score: 9.13361
Type of gen. func.: ogf

$$-\frac{x^7}{(2 x - 1) (2 x^2 - 2 x + 1) (2 x^4 - 4 x^3 + 6 x^2 - 4 x + 1)}$$

Sequence: A290996
Score: 11.0485
Type of gen. func.: ogf

$$\frac{3 x^2 - 3 x + 1}{x^4 - 7 x^3 + 9 x^2 - 5 x + 1}$$

Sequence: A290996
Score: 5.68914
Type of gen. func.: ogf

$$-(36 f(x) + 5) \left(f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 - 5 f(x) x - 3 x^2 + f(x) + 3 x - 1\right)$$

Sequence: A290997
Score: 8.22818
Type of gen. func.: ogf

$$\frac{x^2 (3 x^2 - 3 x + 1)}{x^6 - 9 x^5 + 18 x^4 - 21 x^3 + 15 x^2 - 6 x + 1}$$

Sequence: A290998
Score: 14.5798
Type of gen. func.: ogf

$$\frac{x^2}{x^4 - 5 x^3 + 6 x^2 - 4 x + 1}$$

Sequence: A290998
Score: 6.08447
Type of gen. func.: ogf

$$-(69 f(x) + 10) \left(f(x) x^4 - 5 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - x^2 + f(x)\right)$$

Sequence: A290998
Score: 9.42352
Type of gen. func.: lgdogf

$$- \frac{4 x^3 - 15 x^2 + 12 x - 4}{x^4 - 5 x^3 + 6 x^2 - 4 x + 1}$$

Sequence: A290999
Score: 13.0716
Type of gen. func.: ogf

$$-5 f(x) x^2 - 2 f(x) x + f(x) - 6 x$$

Sequence: A290999
Score: 15.7393
Type of gen. func.: lgdogf

$$- \frac{-10 x - 2}{-5 x^2 - 2 x + 1}$$

Sequence: A290999
Score: 20.8440
Type of gen. func.: ogf

$$- \frac{6 x}{5 x^2 + 2 x - 1}$$

Sequence: A290999
Score: 9.52132
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 5 a(n), a(0) = 0, a(1) = 6\}$$

Sequence: A291000
Score: 12.8068
Type of gen. func.: ogf

$$- \frac{x^2 - x + 1}{2 x^3 - 4 x^2 + 4 x - 1}$$

Sequence: A291000
Score: 6.97512
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 4 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A291000
Score: 7.03795
Type of gen. func.: ogf

$$(8 f(x) + 1) (2 f(x) x^{3} - 4 f(x) x^{2} + 4 f(x) x + x^{2} - f(x) - x + 1)$$

Sequence: A291000
Score: 8.05375
Type of gen. func.: lgdogf

$$- \frac{-2 x^{4} + 4 x^{3} - 6 x^{2} + 6 x - 3}{-2 x^{5} + 6 x^{4} - 10 x^{3} + 9 x^{2} - 5 x + 1}$$

Sequence: A291001
Score: 12.9219
Type of gen. func.: ogf

$$-7 f(x) x^{2} - 2 f(x) x + f(x) - 8 x$$

Sequence: A291001
Score: 15.5591
Type of gen. func.: lgdogf

$$- \frac{-14 x - 2}{-7 x^{2} - 2 x + 1}$$

Sequence: A291001
Score: 20.6053
Type of gen. func.: ogf

$$- \frac{8 x}{7 x^{2} + 2 x - 1}$$

Sequence: A291001
Score: 9.41228
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 7 a(n), a(0) = 0, a(1) = 8\}$$

Sequence: A291002
Score: 11.2454
Type of gen. func.: ogf

$$-\frac{23 x^2 - 23 x + 6}{(3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A291002
Score: 6.04093
Type of gen. func.: ogf

$$(5753 f(x) + 4490) (24 f(x) x^3 - 26 f(x) x^2 + 9 f(x) x + 23 x^2 - f(x) - 23 x + 6)$$

Sequence: A291002
Score: 6.24745
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 26 a(n + 1) - 24 a(n), a(0) = 6, a(1) = 31, a(2) = 146\}$$

Sequence: A291003
Score: 4.28277
Type of gen. func.: ogf

$$(891229813 f(x) + 2221248457) (120 f(x) x^4 - 154 f(x) x^3 + 71 f(x) x^2 + 119 x^3 - 14 f(x) x - 150 x^2 + f(x) + 65 x - 10)$$

Sequence: A291003
Score: 7.98808
Type of gen. func.: ogf

$$119 x^3 - 150 x^2 + 65 x - 10$$

$$-\frac{}{(4x-1)(3x-1)(2x-1)(5x-1)}$$

Sequence: A291004
Score: 14.6068
Type of gen. func.: lgdogf

$$-\frac{-20x+11}{-20x^2+13x-2}$$

Sequence: A291004
Score: 16.1607
Type of gen. func.: ogf

$$-\frac{3(5x-2)}{(4x-1)^2}$$

Sequence: A291004
Score: 8.63131
Type of gen. func.: ogf

$$(8f(x)+73)(16f(x)x^2-8f(x)x+f(x)+15x-6)$$

Sequence: A291004
Score: 9.04231
Type of gen. func.: ogf

$$\{-a(n+2)+8a(n+1)-16a(n), a(0)=6, a(1)=33\}$$

Sequence: A291005
Score: 12.6431
Type of gen. func.: ogf

$$-\frac{2(2x^2-2x+1)}{5x^3-7x^2+5x-1}$$

Sequence: A291005
Score: 6.59167
Type of gen. func.: ogf

$$-(27 f(x) + 26) (5 f(x) x^3 - 7 f(x) x^2 + 5 f(x) x + 4 x^2 - f(x) - 4 x + 2)$$

Sequence: A291005
Score: 6.82502
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 7 a(n + 1) - 5 a(n), a(0) = 2, a(1) = 6, a(2) = 20\}$$

Sequence: A291005
Score: 7.41564
Type of gen. func.: lgdogf

$$- \frac{-10 x^4 + 20 x^3 - 19 x^2 + 10 x - 3}{-10 x^5 + 24 x^4 - 29 x^3 + 19 x^2 - 7 x + 1}$$

Sequence: A291006
Score: 10.7210
Type of gen. func.: ogf

$$\frac{2 x^2 - 2 x + 1}{x^4 - 6 x^3 + 8 x^2 - 5 x + 1}$$

Sequence: A291006
Score: 6.11363
Type of gen. func.: ogf

$$f(x) (f(x) x^4 - 6 f(x) x^3 + 8 f(x) x^2 - 5 f(x) x - 2 x^2 + f(x) + 2 x - 1)$$

Sequence: A291007
Score: 4.50352
Type of gen. func.: ogf

$$(5 f(x) + 1)^2 (2 f(x) x^5 - 7 f(x) x^4 + 14 f(x) x^3 + x^4 - 13 f(x) x^2 - 2 x^3$$

$$+ 6 f(x) x + 4 x^2 - f(x) - 3 x + 1)$$

Sequence: A291007
Score: 7.82191
Type of gen. func.: ogf

$$- \frac{x^4 - 2 x^3 + 4 x^2 - 3 x + 1}{2 x^5 - 7 x^4 + 14 x^3 - 13 x^2 + 6 x - 1}$$

Sequence: A291008
Score: 12.5354
Type of gen. func.: ogf

$$-6 f(x) x^2 - 2 f(x) x + f(x) - 7 x$$

Sequence: A291008
Score: 15.0937
Type of gen. func.: lgdogf

$$- \frac{-12 x - 2}{-6 x^2 - 2 x + 1}$$

Sequence: A291008
Score: 19.9889
Type of gen. func.: ogf

$$- \frac{7 x}{6 x^2 + 2 x - 1}$$

Sequence: A291008
Score: 9.13073
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) + 6 a(n), a(0) = 0, a(1) = 7\}$$

Sequence: A291009
Score: 10.9442
Type of gen. func.: lgdogf

$$-\frac{-56 x^2 + 64 x - 17}{-56 x^3 + 74 x^2 - 31 x + 4}$$

Sequence: A291009
Score: 17.0243
Type of gen. func.: ogf

$$-\frac{7 x - 4}{(4 x - 1) (2 x - 1)}$$

Sequence: A291009
Score: 8.7056
Type of gen. func.: ogf

$$(38 f(x) + 137) (8 f(x) x^2 - 6 f(x) x + f(x) + 7 x - 4)$$

Sequence: A291009
Score: 9.23004
Type of gen. func.: ogf

$$\{-a(n + 2) + 6 a(n + 1) - 8 a(n), a(0) = 4, a(1) = 17\}$$

Sequence: A291010
Score: 15.2817
Type of gen. func.: ogf

$$-\frac{11 x - 5}{(4 x - 1) (3 x - 1)}$$

Sequence: A291010

Score: 7.98045
Type of gen. func.: ogf

$$(55 f(x) + 493) (12 f(x) x^2 - 7 f(x) x + f(x) + 11 x - 5)$$

Sequence: A291010
Score: 8.55046
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) - 12 a(n), a(0) = 5, a(1) = 24\}$$

Sequence: A291010
Score: 9.70593
Type of gen. func.: lgdogf

$$-\frac{-132 x^2 + 120 x - 24}{-132 x^3 + 137 x^2 - 46 x + 5}$$

Sequence: A291011
Score: 11.9157
Type of gen. func.: ogf

$$-\frac{11 x^2 - 13 x + 4}{(3 x - 1) (2 x - 1)^2}$$

Sequence: A291011
Score: 6.56374
Type of gen. func.: ogf

$$(865 f(x) + 43) (12 f(x) x^3 - 16 f(x) x^2 + 7 f(x) x + 11 x^2 - f(x) - 13 x + 4)$$

Sequence: A291011
Score: 6.67691
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 16 a(n + 1) - 12 a(n), a(0) = 4, a(1) = 15, a(2) = 52\}$$

Sequence: A291011
Score: 8.51123
Type of gen. func.: lgdogf

$$- \frac{66 x^3 - 123 x^2 + 76 x - 15}{66 x^4 - 133 x^3 + 100 x^2 - 33 x + 4}$$

Sequence: A291012
Score: 13.8052
Type of gen. func.: ogf

$$- \frac{x^2 + 3 x - 2}{(3 x - 1) (2 x - 1)}$$

Sequence: A291012
Score: 7.10365
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 6 a(n + 1), a(0) = 2, a(1) = 7, a(2) = 22\}$$

Sequence: A291012
Score: 7.78379
Type of gen. func.: ogf

$$(9 f(x) + 31) (6 f(x) x^2 - 5 f(x) x + x^2 + f(x) + 3 x - 2)$$

Sequence: A291012
Score: 9.50229
Type of gen. func.: lgdogf

$$- \frac{23 x^2 - 26 x + 7}{6 x^4 + 13 x^3 - 26 x^2 + 13 x - 2}$$

Sequence: A291013
Score: 5.32654
Type of gen. func.: ogf

$\{(2 - 2 n) a(n + 1) + (3 n + 9) a(n + 2) + (-4 - n) a(n + 3), a(0) = 0,$

$a(1) = 3, a(2) = 6\}$

Sequence: A291013
Score: 7.78092
Type of gen. func.: lgdogf

$$- \frac{-2 x^4 + 4 x^3 + 12 x^2 - 18 x + 6}{2 x^5 - 13 x^4 + 36 x^3 - 39 x^2 + 18 x - 3}$$

Sequence: A291013
Score: 9.44826
Type of gen. func.: ogf

$$- \frac{x (x^4 - 6 x^3 + 15 x^2 - 12 x + 3)}{(2 x - 1)^3}$$

Sequence: A291014
Score: 7.59007
Type of gen. func.: ogf

$$- \frac{x^2 (3 x^3 - 6 x^2 + 6 x - 2)}{(2 x - 1)^2 (x^2 - x + 1)^2}$$

Sequence: A291015
Score: 14.4271
Type of gen. func.: ogf

$$\frac{3 x - 2}{x^3 - 6 x^2 + 5 x - 1}$$

Sequence: A291015
Score: 6.76668
Type of gen. func.: ogf

$$\{-a(n+3)+5a(n+2)-6a(n+1)+a(n), a(0)=2, a(1)=7, a(2)=23\}$$

Sequence: A291015
Score: 7.01499
Type of gen. func.: ogf

$$-(17 f(x) - 10) (f(x) x^3 - 6 f(x) x^2 + 5 f(x) x - f(x) - 3 x + 2)$$

Sequence: A291015
Score: 8.99571
Type of gen. func.: lgdogf

$$-\frac{6 x^3 - 24 x^2 + 24 x - 7}{3 x^4 - 20 x^3 + 27 x^2 - 13 x + 2}$$

Sequence: A291016
Score: 15.5381
Type of gen. func.: ogf

$$-\frac{5 x - 4}{6 x^2 - 6 x + 1}$$

Sequence: A291016
Score: 8.03696
Type of gen. func.: ogf

$$(66 f(x) + 97) (6 f(x) x^2 - 6 f(x) x + f(x) + 5 x - 4)$$

Sequence: A291016
Score: 8.42426
Type of gen. func.: ogf

$$\{-a(n+2)+6a(n+1)-6a(n), a(0)=4, a(1)=19\}$$

Sequence: A291016
Score: 9.98877
Type of gen. func.: lgdogf

$$-\frac{-30 x^2 + 48 x - 19}{-30 x^3 + 54 x^2 - 29 x + 4}$$

Sequence: A291017
Score: 10.0238
Type of gen. func.: lgdogf

$$-\frac{-42 x^2 + 70 x - 29}{-42 x^3 + 77 x^2 - 41 x + 5}$$

Sequence: A291017
Score: 15.5926
Type of gen. func.: ogf

$$-\frac{6 x - 5}{7 x^2 - 7 x + 1}$$

Sequence: A291017
Score: 7.88389
Type of gen. func.: ogf

$$(133 f(x) + 176) (7 f(x) x^2 - 7 f(x) x + f(x) + 6 x - 5)$$

Sequence: A291017
Score: 8.45381
Type of gen. func.: ogf

$$\{-a(n + 2) + 7 a(n + 1) - 7 a(n), a(0) = 5, a(1) = 29\}$$

Sequence: A291018
Score: 15.2226
Type of gen. func.: ogf

$$-\frac{7x-6}{8x^2-8x+1}$$

Sequence: A291018
Score: 7.69683
Type of gen. func.: ogf

$$(232 f(x) + 289) (8 f(x) x^2 - 8 f(x) x + f(x) + 7 x - 6)$$

Sequence: A291018
Score: 8.25322
Type of gen. func.: ogf

{-a(n + 2) + 8 a(n + 1) - 8 a(n), a(0) = 6, a(1) = 41}

Sequence: A291018
Score: 9.64813
Type of gen. func.: lgdogf

$$-\frac{-56x^2+96x-41}{-56x^3+104x^2-55x+6}$$

Sequence: A291019
Score: 5.47488
Type of gen. func.: ogf

$$(15 f(x) + 32) (3 f(x) x^4 - 6 f(x) x^3 + 8 f(x) x^2 + 2 x^3 - 5 f(x) x - 2 x^2 + f(x) + 2 x - 1)$$

Sequence: A291019
Score: 9.88325

Type of gen. func.: ogf

$$-\frac{2x^3 - 2x^2 + 2x - 1}{3x^4 - 6x^3 + 8x^2 - 5x + 1}$$

Sequence: A291020
Score: 5.29797
Type of gen. func.: ogf

$$f(x)\,(7 f(x) x^4 - 14 f(x) x^3 + x^4 + 13 f(x) x^2 + 2 x^3 - 6 f(x) x - 4 x^2 + f(x) + 3 x - 1)$$

Sequence: A291020
Score: 8.46455
Type of gen. func.: ogf

$$-\frac{x^4 + 2x^3 - 4x^2 + 3x - 1}{7x^4 - 14x^3 + 13x^2 - 6x + 1}$$

Sequence: A291021
Score: 7.83340
Type of gen. func.: ogf

$$-\frac{x^4 - 4x^3 + 4x^2 - 3x + 1}{(2x - 1)(x^2 - 3x + 1)(x^2 - x + 1)}$$

Sequence: A291023
Score: 12.1318
Type of gen. func.: lgdogf

$$-\frac{20x^2 - 8x - 4}{10x^3 - x^2 - 8x + 3}$$

Sequence: A291023
Score: 16.3408
Type of gen. func.: ogf

$$-\frac{x(5x-3)}{(x+1)(2x-1)^2}$$

Sequence: A291023
Score: 8.60969
Type of gen. func.: ogf

$$\{-a(n+3)+3a(n+2)-4a(n), a(0)=0, a(1)=3, a(2)=4\}$$

Sequence: A291023
Score: 8.70326
Type of gen. func.: ogf

$$(39 f(x)+145)(4 f(x) x^3-3 f(x) x+5 x^2+f(x)-3x)$$

Sequence: A291024
Score: 11.9827
Type of gen. func.: ogf

$$-\frac{4x(2x-1)}{(x^2+2x-1)^2}$$

Sequence: A291024
Score: 12.9812
Type of gen. func.: lgdogf

$$-\frac{6x^2-2}{2x^3+3x^2-4x+1}$$

Sequence: A291024
Score: 3.95368
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-10 - 4 n) a(n + 3) + (3 + 3 n) a(n + 2) + (2 n + 6) a(n + 1), a(0) = 0, a(1) = 4, a(2) = 8, a(3) = 24\}$$

Sequence: A291024
Score: 6.23099
Type of gen. func.: ogf

$$(f(x) - 2) (f(x) x^4 + 4 f(x) x^3 + 2 f(x) x^2 - 4 f(x) x + 8 x^2 + f(x) - 4 x)$$

Sequence: A291025
Score: 10.4422
Type of gen. func.: ogf

$$\frac{3 x^2 - 7 x + 3}{x^4 - 7 x^3 + 13 x^2 - 7 x + 1}$$

Sequence: A291025
Score: 5.49588
Type of gen. func.: ogf

$$(154 f(x) + 97) (f(x) x^4 - 7 f(x) x^3 + 13 f(x) x^2 - 7 f(x) x - 3 x^2 + f(x) + 7 x - 3)$$

Sequence: A291026
Score: 5.14405
Type of gen. func.: ogf

$$(920 f(x) + 601) (f(x) x^4 - 8 f(x) x^3 + 15 f(x) x^2 - 8 f(x) x - 4 x^2 + f(x) + 9 x - 4)$$

Sequence: A291026
Score: 9.84717
Type of gen. func.: ogf

$$4 x^2 - 9 x + 4$$

```
                          ---------------------------
                           4      3       2
                          x  - 8 x  + 15 x  - 8 x + 1



------------------------------------------------------------------------------

Sequence:  A291027
Score: 10.4921
Type of gen. func.: ogf


                                   2
                                5 x  - 11 x + 5
                          ---------------------------
                           4      3       2
                          x  - 9 x  + 17 x  - 9 x + 1



------------------------------------------------------------------------------

Sequence:  A291027
Score: 5.43753
Type of gen. func.: ogf


(2882 f(x) + 1939)

           4           3            2                 2
    (f(x) x  - 9 f(x) x  + 17 f(x) x  - 9 f(x) x - 5 x  + f(x) + 11 x - 5)



------------------------------------------------------------------------------

Sequence:  A291028
Score: 5.24458
Type of gen. func.: ogf


(193 f(x) + 133)

           4            3            2                  2
    (f(x) x  - 10 f(x) x  + 19 f(x) x  - 10 f(x) x - 6 x  + f(x) + 13 x - 6)



------------------------------------------------------------------------------

Sequence:  A291028
Score: 9.84256
Type of gen. func.: ogf


                              (3 x - 2) (2 x - 3)
                         -----------------------------
                          4       3       2
                         x  - 10 x  + 19 x  - 10 x + 1



------------------------------------------------------------------------------

Sequence:  A291029
Score: 7.01744
Type of gen. func.: ogf


                           4      3      2
```

$$\frac{x - 3 x + 5 x - 3 x + 1}{x^{6} - 7 x^{5} + 18 x^{4} - 25 x^{3} + 18 x^{2} - 7 x + 1}$$

Sequence: A291030
Score: 5.26842
Type of gen. func.: ogf

$$\frac{(x^{2} - x + 1) (x^{4} - 4 x^{3} + 7 x^{2} - 4 x + 1)}{x^{8} - 9 x^{7} + 33 x^{6} - 68 x^{5} + 85 x^{4} - 68 x^{3} + 33 x^{2} - 9 x + 1}$$

Sequence: A291031
Score: 6.92043
Type of gen. func.: ogf

$$\frac{3 x^{4} - 12 x^{3} + 16 x^{2} - 12 x + 3}{(x^{2} - 3 x + 1) (x^{4} - 6 x^{3} + 8 x^{2} - 6 x + 1)}$$

Sequence: A291032
Score: 5.49306
Type of gen. func.: ogf

$$\frac{x^{6} - 5 x^{5} + 12 x^{4} - 17 x^{3} + 12 x^{2} - 5 x + 1}{x^{8} - 9 x^{7} + 33 x^{6} - 68 x^{5} + 87 x^{4} - 68 x^{3} + 33 x^{2} - 9 x + 1}$$

Sequence: A291033
Score: 15.1592
Type of gen. func.: lgdogf

$$- \frac{2 x - 8}{x^{2} - 8 x + 1}$$

Sequence: A291033
Score: 22.0497
Type of gen. func.: ogf

$$\frac{6}{x^2 - 8 x + 1}$$

Sequence: A291033
Score: 8.36369
Type of gen. func.: ogf

$$(3905 f(x) + 1146) (f(x) x^2 - 8 f(x) x + f(x) - 6)$$

Sequence: A291033
Score: 8.76675
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - a(n), a(0) = 6, a(1) = 48\}$$

Sequence: A291034
Score: 14.3545
Type of gen. func.: lgdogf

$$- \frac{2 x - 9}{x^2 - 9 x + 1}$$

Sequence: A291034
Score: 20.8793
Type of gen. func.: ogf

$$\frac{7}{x^2 - 9 x + 1}$$

Sequence: A291034
Score: 8.30142
Type of gen. func.: ogf

$$\{-a(n + 2) + 9 a(n + 1) - a(n), a(0) = 7, a(1) = 63\}$$

Sequence: A291034
Score: 8.30143
Type of gen. func.: ogf

$$(79 f(x) + 14) (f(x) x^2 - 9 f(x) x + f(x) - 7)$$

Sequence: A291035
Score: 10.0371
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^2 - x - 1)}{(x^3 + 2 x - 1) (x^3 - x - 1)}$$

Sequence: A291036
Score: 9.78022
Type of gen. func.: ogf

$$- \frac{2 (x^3 - x - 1)}{x^6 + 2 x^4 - 2 x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A291037
Score: 10.1456
Type of gen. func.: ogf

$$- \frac{x^3 - x - 1}{x^6 + 2 x^4 - 2 x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A291038
Score: 7.82196
Type of gen. func.: lgdogf

$$- \frac{-3 x^5 - 3 x^3 + 3 x^2 - 2 x + 3}{-x^6 - 3 x^4 + 2 x^3 - 2 x^2 + 3 x - 1}$$

Sequence: A291038
Score: 9.75205
Type of gen. func.: ogf

$$-\frac{4\,(x^3+x-1)}{(x^3+2\,x-1)^2}$$

Sequence: A291039
Score: 10.3020
Type of gen. func.: ogf

$$-\frac{x^3+x-1}{(x^3+2\,x-1)^2}$$

Sequence: A291039
Score: 8.26304
Type of gen. func.: lgdogf

$$-\frac{-3\,x^5-3\,x^3+3\,x^2-2\,x+3}{-x^6-3\,x^4+2\,x^3-2\,x^2+3\,x-1}$$

Sequence: A291040
Score: 4.89948
Type of gen. func.: ogf

$$-(3\,x^{11}+5\,x^{10}+5\,x^9+3\,x^8+4\,x^7+5\,x^6+3\,x^5+5\,x^4+4\,x^3+3\,x^2+5\,x+5)\Big/\big((x-1)\,(x+1)\,(x^2+x+1)\,(x^2-x+1)\,(x^2+1)\,(x^4-x^2+1)\big)$$

Sequence: A291053
Score: 5.92698
Type of gen. func.: ogf

$$-\frac{18x^8 - 77x^7 + 112x^6 - 89x^5 + 61x^4 - 30x^3 + 2x^2 + 2x - 2}{(x-1)^6}$$

Sequence: A291055
Score: 4.19013
Type of gen. func.: ogf

$$-\frac{x^{13} + x^{12} - 3x^9 + 2x^7 + x^6 + x^5 - x^4 - x^3 - x^2 - 2x - 1}{x^{14} - x^{11} - 2x^{10} + x^9 + 2x^8 + x^7 - x^5 - x^4 - x^3 - x^2 + 1}$$

Sequence: A291063
Score: 3.85992
Type of gen. func.: ogf

$$-(15x^{14} - 14x^{13} - 12x^{11} - 11x^{10} + 30x^9 + 9x^8 - 8x^7 - 7x^6 - 6x^5 + 2x + 1) / ((x-1)(x^{14} - x^{11} - 2x^{10} + x^9 + 2x^8 + x^7 - x^5 - x^4 - x^3 - x^2 + 1))$$

Sequence: A291064
Score: 5.03377
Type of gen. func.: ogf

$$-(25f(x) - 2242)(4f(x)x^4 - 12f(x)x^3 + 13f(x)x^2 + 16x^3 - 6f(x)x - 24x^2 + f(x) + 15x - 4)$$

Sequence: A291064
Score: 7.12326
Type of gen. func.: lgdogf

$$-\frac{-32x^4 + 48x^3 - 42x^2 + 29x - 9}{-32x^5 + 96x^4 - 118x^3 + 77x^2 - 27x + 4}$$

Sequence: A291064
Score: 9.20812
Type of gen. func.: ogf

$$-\frac{16 x^3 - 24 x^2 + 15 x - 4}{(2 x - 1)^2 (x - 1)^2}$$

Sequence: A291066
Score: 13.8095
Type of gen. func.: lgdogf

$$-\frac{320 x - 28}{160 x^2 - 28 x + 1}$$

Sequence: A291066
Score: 20.1545
Type of gen. func.: ogf

$$\frac{24}{(20 x - 1) (8 x - 1)}$$

Sequence: A291066
Score: 8.10561
Type of gen. func.: ogf

$$(1031 f(x) + 32880) (160 f(x) x^2 - 28 f(x) x + f(x) - 24)$$

Sequence: A291066
Score: 8.47403
Type of gen. func.: ogf

$$\{-a(n + 2) + 28 a(n + 1) - 160 a(n), a(0) = 24, a(1) = 672\}$$

Sequence: A291090
Score: 8.69864
Type of gen. func.: revogf

$$-\frac{-4x^4+8x^3-5x^2+x}{-x^4+2x^3-5x^2+4x-1}$$

Sequence: A291091
Score: 11.9199
Type of gen. func.: revogf

$$\frac{(-2x+(4x^2+1)^{1/2})x}{x^2+1}$$

Sequence: A291092
Score: 10.9787
Type of gen. func.: ogf

{a(n + 2) - a(n + 1), a(0) = 1, a(1) = 9}

Sequence: A291092
Score: 17.5659
Type of gen. func.: ogf

$$-f(x)\,x+f(x)-8x-1$$

Sequence: A291092
Score: 21.3639
Type of gen. func.: ogf

$$-\frac{1+8x}{x-1}$$

Sequence: A291092
Score: 21.9574
Type of gen. func.: lgdogf

$$\frac{9}{-8x^2+7x+1}$$

Sequence: A291096
Score: 4.76999
Type of gen. func.: ogf

$$\{(-256 n^3 - 1152 n^2 - 1712 n - 840) a(n + 1)$$

$$+ (9 n^3 + 54 n^2 + 107 n + 70) a(n + 2), a(0) = 1, a(1) = 3\}$$

Sequence: A291097
Score: 10.0549
Type of gen. func.: ogf

$$- \frac{5 x^3 - 11 x^2 + 10 x - 3}{(2 x - 1)^2 (x - 1)^2}$$

Sequence: A291097
Score: 5.61688
Type of gen. func.: ogf

$$(68 f(x) + 4451) (4 f(x) x^4 - 12 f(x) x^3 + 13 f(x) x^2 + 5 x^3 - 6 f(x) x - 11 x^2$$

$$+ f(x) + 10 x - 3)$$

Sequence: A291097
Score: 7.75666
Type of gen. func.: lgdogf

$$- \frac{-10 x^4 + 29 x^3 - 45 x^2 + 32 x - 8}{-10 x^5 + 37 x^4 - 58 x^3 + 47 x^2 - 19 x + 3}$$

Sequence: A291102
Score: 3.97240
Type of gen. func.: ogf

$$- (4 x^{13} + x^{11} - 3 x^{10} - 7 x^9 + 3 x^8 + 6 x^7 + 2 x^6 + x^5 - 2 x^4 - 3 x^3 - x^2$$

$$- 2 x - 2) / (x^{14} - x^{11} - 2 x^{10} + x^{9} + 2 x^{8} + x^{7} - x^{5} - x^{4} - x^{3} - x^{2} + 1$$

)

Sequence: A291107
Score: 9.81321
Type of gen. func.: ogf

$$- \frac{5 x^{5} - 4 x^{3} + x^{2} - 2 x - 3}{x^{6} - x^{4} - x^{2} - x + 1}$$

Sequence: A291124
Score: 12.7414
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-8 x^{3} + 8 x^{2} - 20 x + 8}{x^{4} - 1}$$

Sequence: A291142
Score: 11.9397
Type of gen. func.: ogf

$$- \frac{x (2 x - 1)}{(x^{2} + 2 x - 1)^{2}}$$

Sequence: A291142
Score: 12.9347
Type of gen. func.: lgdogf

$$- \frac{6 x^{2} - 2}{2 x^{3} + 3 x^{2} - 4 x + 1}$$

Sequence: A291142

Score: 3.95960
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-10 - 4 n) a(n + 3) + (3 + 3 n) a(n + 2) + (2 n + 6) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 6\}$$

Sequence: A291142
Score: 6.20865
Type of gen. func.: ogf

$$(2 f(x) - 1) (f(x) x^4 + 4 f(x) x^3 + 2 f(x) x^2 - 4 f(x) x + 2 x^2 + f(x) - x)$$

Sequence: A291143
Score: 4.81836
Type of gen. func.: ogf

$$- \frac{x^2 (7 x^6 - 27 x^5 + 54 x^4 - 63 x^3 + 45 x^2 - 18 x + 3)}{(2 x - 1)^3 (x^2 - x + 1)^3}$$

Sequence: A291146
Score: 11.2248
Type of gen. func.: ogf

$$- \frac{x^{27} + x^8 - 1}{x^{28} - x^{27} - x^8 - x + 1}$$

Sequence: A291147
Score: 6.14621
Type of gen. func.: ogf

$$- \frac{x^{28} - x^{27} - x^8 - x + 1}{x^{27} + x^8 - 1}$$

Sequence: A291149
Score: 11.5933

Type of gen. func.: lgdogf

$$-\frac{15x^{16}+1}{-x^{32}-x^{17}+2x^{16}+x-1}$$

Sequence: A291149
Score: 16.5943
Type of gen. func.: ogf

$$\frac{(x-1)(x+1)(x^{2}+1)(x^{4}+1)(x^{8}+1)}{x^{16}+x-1}$$

Sequence: A291149
Score: 6.91170
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{20}+x^{16}+x^{5}-x^{3}-x^{2}+1}{x^{32}-x^{19}+x^{17}-x^{5}+x^{3}+x^{2}-1}$$

Sequence: A291168
Score: 13.4046
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{33}-x^{2}+1}{x^{32}+x^{2}-1}$$

Sequence: A291168
Score: 16.6087
Type of gen. func.: ogf

$$\frac{(x-1)(x+1)(x^{2}+1)(x^{4}+1)(x^{8}+1)(x^{16}+1)}{x^{32}+x-1}$$

Sequence: A291169
Score: 9.61683
Type of gen. func.: ogf

$$\frac{x^{27} + x^{8} + 1}{x^{28} + x^{27} + x^{8} + x + 1}$$

Sequence: A291179
Score: 10.9130
Type of gen. func.: lgdogf

$$-\frac{-2315250 x^{103} - 2315250 x^{102} + 266284 x^{2} + 132720 x + 44100}{1157625 x^{102} + 133142 x^{3} - 66782 x^{2} - 44310 x - 22050}$$

Sequence: A291179
Score: 11.8224
Type of gen. func.: ogf

$$-\frac{x (x^{103} + 2 x^{102} + 10 x^{3} + 6 x^{2} + 3 x + 1)}{3 x^{103} - 2 x^{102} - 10 x^{5} + 14 x^{4} - x^{3} - x^{2} - x - 1}$$

Sequence: A291179
Score: 119.810
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A291181
Score: 13.9601
Type of gen. func.: lgdogf

$$-\frac{2 x - 10}{x^{2} - 10 x + 1}$$

Sequence: A291181
Score: 20.5296
Type of gen. func.: ogf

$$\frac{8}{x^2 - 10 x + 1}$$

Sequence: A291181
Score: 7.93188
Type of gen. func.: ogf

$$(9701 f(x) + 2392) (f(x) x^2 - 10 f(x) x + f(x) - 8)$$

Sequence: A291181
Score: 8.30958
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - a(n), a(0) = 8, a(1) = 80\}$$

Sequence: A291182
Score: 10.4844
Type of gen. func.: ogf

$$\frac{3 x^2 - 8 x + 3}{(x^2 - 4 x + 1) (x^2 - 3 x + 1)}$$

Sequence: A291182
Score: 5.39635
Type of gen. func.: ogf

$(3121 f(x) + 1720)$

$$(f(x) x^4 - 7 f(x) x^3 + 14 f(x) x^2 - 7 f(x) x - 3 x^2 + f(x) + 8 x - 3)$$

Sequence: A291183
Score: 10.2897
Type of gen. func.: ogf

$$\frac{2 (2 x - 1) (x - 2)}{x^4 - 8 x^3 + 16 x^2 - 8 x + 1}$$

Sequence: A291183
Score: 5.41163
Type of gen. func.: ogf

$$(289 f(x) + 166)$$

$$(f(x) x^4 - 8 f(x) x^3 + 16 f(x) x^2 - 8 f(x) x - 4 x^2 + f(x) + 10 x - 4)$$

Sequence: A291184
Score: 5.14953
Type of gen. func.: ogf

$$(4472 f(x) + 2445)$$

$$(f(x) x^4 - 8 f(x) x^3 + 17 f(x) x^2 - 8 f(x) x - 4 x^2 + f(x) + 11 x - 4)$$

Sequence: A291184
Score: 9.93641
Type of gen. func.: ogf

$$\frac{4 x^2 - 11 x + 4}{(x^2 - 5 x + 1) (x^2 - 3 x + 1)}$$

Sequence: A291217
Score: 13.7467
Type of gen. func.: ogf

$$- \frac{x^2}{(x^2 + x - 1) (x^4 - x^3 - x^2 + x + 1)}$$

Sequence: A291217
Score: 8.80408
Type of gen. func.: lgdogf

$$-\frac{6x^5 - 12x^3 + 3x^2 + 6x}{x^6 - 3x^4 + x^3 + 3x^2 - 1}$$

Sequence: A291218
Score: 10.3278
Type of gen. func.: ogf

$$-\frac{x^4}{(x^2 + x - 1)(x^8 - x^7 - 3x^6 + 2x^5 + 5x^4 - 2x^3 - 3x^2 + x + 1)}$$

Sequence: A291219
Score: 9.02819
Type of gen. func.: ogf

$$-\frac{x^4 - x^2 + 1}{x^6 + x^5 - 3x^4 - x^3 + 3x^2 + x - 1}$$

Sequence: A291220
Score: 6.72280
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)(x^4 + x^3 - x^2 - x + 1)}{(x^4 + x^3 - 2x^2 + 1)(x^4 - 2x^2 - x + 1)}$$

Sequence: A291221
Score: 5.27553
Type of gen. func.: ogf

$$-\frac{x^2(x^2 - x - 1)(x^4 + x^3 - x^2 - x + 1)}{x^{12} - 6x^{10} + x^9 + 15x^8 - 3x^7 - 21x^6 + 3x^5 + 15x^4 - x^3 - 6x^2 + 1}$$

Sequence: A291222
Score: 10.5514
Type of gen. func.: ogf

$$\frac{x (x^2 - x - 1)}{x^6 - 4 x^4 + x^3 + 4 x^2 - 1}$$

Sequence: A291223
Score: 7.98770
Type of gen. func.: ogf

$$- \frac{(x^2 - x - 1) x^2}{x^8 - 4 x^6 + x^5 + 5 x^4 - x^3 - 4 x^2 + 1}$$

Sequence: A291224
Score: 5.74175
Type of gen. func.: ogf

$$- \frac{(2 x^2 + x - 2) (2 x^4 + 2 x^3 - 3 x^2 - 2 x + 2)}{(x^2 + x - 1)^4}$$

Sequence: A291225
Score: 4.34072
Type of gen. func.: ogf

$$- \frac{5 x^8 + 10 x^7 - 10 x^6 - 25 x^5 + 11 x^4 + 25 x^3 - 10 x^2 - 10 x + 5}{(x^2 + x - 1)^5}$$

Sequence: A291226
Score: 3.60878
Type of gen. func.: ogf

$$- \frac{(2 x^2 + x - 2) (3 x^4 + 3 x^3 - 5 x^2 - 3 x + 3) (x^4 + x^3 - x^2 - x + 1)}{(x^2 + x - 1)^6}$$

Sequence: A291227
Score: 11.4466
Type of gen. func.: ogf

$$-\frac{x^2 - 2x - 1}{(x^2 + 2x - 1)(x^2 - x - 1)}$$

Sequence: A291227
Score: 5.8505
Type of gen. func.: ogf

$$-(13 f(x) + 70) (f(x) x^4 + f(x) x^3 - 4 f(x) x^2 - f(x) x + x^2 + f(x) - 2 x - 1)$$

Sequence: A291227
Score: 7.05195
Type of gen. func.: lgdogf

$$-\frac{-2 x^5 + 5 x^4 + 8 x^3 - 6 x^2 - 6 x - 3}{-x^6 + x^5 + 7 x^4 - 6 x^3 - 7 x^2 + x + 1}$$

Sequence: A291228
Score: 10.6518
Type of gen. func.: ogf

$$-\frac{2 (x^2 - x - 1)}{x^4 + 2 x^3 - 4 x^2 - 2 x + 1}$$

Sequence: A291228
Score: 5.10397
Type of gen. func.: ogf

{-a(n + 4) + 2 a(n + 3) + 4 a(n + 2) - 2 a(n + 1) - a(n), a(0) = 2, a(1) = 6,

a(2) = 18, a(3) = 56}

Sequence: A291228
Score: 5.48486
Type of gen. func.: ogf

$$-(4 f(x) + 11)$$

$$(f(x) x^4 + 2 f(x) x^3 - 4 f(x) x^2 - 2 f(x) x + 2 x^2 + f(x) - 2 x - 2)$$

Sequence: A291228
Score: 7.65596
Type of gen. func.: lgdogf

$$-\frac{-2 x^5 + x^4 + 8 x^3 - 6 x - 3}{-x^6 - x^5 + 7 x^4 - 7 x^2 - x + 1}$$

Sequence: A291229
Score: 12.8242
Type of gen. func.: ogf

$$-\frac{3 x^2 + 2 x - 3}{(x^2 + x - 1) (x^2 + 2 x - 1)}$$

Sequence: A291229
Score: 6.92279
Type of gen. func.: ogf

$$(13 f(x) - 18) (f(x) x^4 + 3 f(x) x^3 - 3 f(x) x + 3 x^2 + f(x) + 2 x - 3)$$

Sequence: A291229
Score: 7.17684
Type of gen. func.: lgdogf

$$-\frac{-6 x^5 - 15 x^4 + 18 x^2 + 6 x - 7}{-3 x^6 - 11 x^5 - 3 x^4 + 18 x^3 + 3 x^2 - 11 x + 3}$$

Sequence: A291230
Score: 7.49680
Type of gen. func.: ogf

$$-\frac{6x^4 + 11x^3 - 6x^2 - 11x + 6}{(x^2 + 2x - 1)(x^2 + 3x - 1)(x^2 + x - 1)}$$

Sequence: A291231
Score: 4.92720
Type of gen. func.: ogf

$$-\frac{10x^6 + 35x^5 + 20x^4 - 46x^3 - 20x^2 + 35x - 10}{(x^2 + x - 1)(x^2 + 3x - 1)(x^2 + 4x - 1)(x^2 + 2x - 1)}$$

Sequence: A291232
Score: 10.8696
Type of gen. func.: ogf

$$-\frac{3(x + 2)(2x - 1)}{(x^2 + 3x - 1)^2}$$

Sequence: A291232
Score: 5.63908
Type of gen. func.: ogf

$$(673 f(x) - 171)$$

$$(f(x) x^4 + 6 f(x) x^3 + 7 f(x) x^2 - 6 f(x) x + 6 x^2 + f(x) + 9 x - 6)$$

Sequence: A291232
Score: 9.37499
Type of gen. func.: lgdogf

```
                  3      2
              -4 x  - 9 x  - 5 x + 9
          - ----------------------------
                4      3      2
```

$$-2 x - 9 x - 5 x + 9 x - 2$$

Sequence: A291233
Score: 7.82365
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 - x^2 + x + 1}{x^6 + x^5 - 4 x^4 - x^3 + 4 x^2 + x - 1}$$

Sequence: A291234
Score: 5.73192
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1) (x^4 - x^2 + 1)}{x^8 + x^7 - 5 x^6 - 2 x^5 + 7 x^4 + 2 x^3 - 5 x^2 - x + 1}$$

Sequence: A291235
Score: 4.57865
Type of gen. func.: ogf

$$-\frac{x^8 - x^7 - 3 x^6 + 2 x^5 + 5 x^4 - 2 x^3 - 3 x^2 + x + 1}{x^{10} + x^9 - 6 x^8 - 3 x^7 + 12 x^6 + 5 x^5 - 12 x^4 - 3 x^3 + 6 x^2 + x - 1}$$

Sequence: A291236
Score: 10.6715
Type of gen. func.: ogf

$$-\frac{4 x^2 + 3 x - 4}{(x^2 + 3 x - 1) (x^2 + x - 1)}$$

Sequence: A291236
Score: 5.62084
Type of gen. func.: ogf

$(34 f(x) + 45)$

$$(f(x) x^4 + 4 f(x) x^3 + f(x) x^2 - 4 f(x) x + 4 x^2 + f(x) + 3 x - 4)$$

Sequence: A291237
Score: 7.14305
Type of gen. func.: ogf

$$-\frac{7 x^4 + 14 x^3 - 6 x^2 - 14 x + 7}{(x^2 + x - 1) (x^2 + 2 x - 1) (x^2 + 4 x - 1)}$$

Sequence: A291238
Score: 7.53475
Type of gen. func.: ogf

$$-\frac{4 x^4 + 5 x^3 - 6 x^2 - 5 x + 4}{(x^2 + 2 x - 1) (x^2 + x - 1)^2}$$

Sequence: A291239
Score: 7.61060
Type of gen. func.: ogf

$$-\frac{2 x^4 - x^3 - 6 x^2 + x + 2}{(x^2 + x - 1) (x^2 + 2 x - 1) (x^2 - x - 1)}$$

Sequence: A291240
Score: 5.22668
Type of gen. func.: ogf

$$-\frac{x^2 (2 x^6 - 6 x^4 + x^3 + 6 x^2 - 2)}{(x^2 + x - 1)^2 (x^4 - x^3 - x^2 + x + 1)}$$

Sequence: A291241
Score: 7.79387

Type of gen. func.: ogf

$$-\frac{x^4 - x^3 - 3x^2 + x + 1}{(x^2 - x - 1)(x^2 + x - 1)^2}$$

Sequence: A291242
Score: 7.50141
Type of gen. func.: ogf

$$-\frac{(2x^2 + x - 2)(x^2 - x - 1)}{x^6 + 2x^5 - 4x^4 - 5x^3 + 4x^2 + 2x - 1}$$

Sequence: A291243
Score: 11.3488
Type of gen. func.: ogf

$$-\frac{3x^2 + x - 3}{x^4 + 3x^3 - x^2 - 3x + 1}$$

Sequence: A291243
Score: 5.97762
Type of gen. func.: ogf

$$(36 f(x) - 29)(f(x) x^4 + 3 f(x) x^3 - f(x) x^2 - 3 f(x) x + 3x^2 + f(x) + x - 3)$$

Sequence: A291243
Score: 6.92980
Type of gen. func.: lgdogf

$$-\frac{-6x^5 - 12x^4 + 6x^3 + 19x^2 - 8}{-3x^6 - 10x^5 + 3x^4 + 19x^3 - 3x^2 - 10x + 3}$$

Sequence: A291244

Score: 10.8696
Type of gen. func.: ogf

$$-\frac{4x^2+x-4}{x^4+4x^3-x^2-4x+1}$$

Sequence: A291244
Score: 5.72518
Type of gen. func.: ogf

$$(38 f(x) - 25) (f(x) x^4 + 4 f(x) x^3 - f(x) x^2 - 4 f(x) x + 4 x^2 + f(x) + x - 4)$$

Sequence: A291244
Score: 6.57894
Type of gen. func.: lgdogf

$$-\frac{8x^5+19x^4-8x^3-33x^2+15}{4x^6+17x^5-4x^4-33x^3+4x^2+17x-4}$$

Sequence: A291245
Score: 10.4516
Type of gen. func.: ogf

$$-\frac{5x^2+x-5}{x^4+5x^3-x^2-5x+1}$$

Sequence: A291245
Score: 5.34195
Type of gen. func.: ogf

$$-(20 f(x) - 11)$$

$$(f(x) x^4 + 5 f(x) x^3 - f(x) x^2 - 5 f(x) x + 5 x^2 + f(x) + x - 5)$$

Sequence: A291246

Score: 10.3931
Type of gen. func.: ogf

$$-\frac{6 x^2 + x - 6}{x^4 + 6 x^3 - x^2 - 6 x + 1}$$

Sequence: A291246
Score: 5.43274
Type of gen. func.: ogf

(117 f(x) - 55)

$$(f(x) x^4 + 6 f(x) x^3 - f(x) x^2 - 6 f(x) x + 6 x^2 + f(x) + x - 6)$$

Sequence: A291247
Score: 5.78492
Type of gen. func.: ogf

$$-\frac{x^6 - x^5 - 2 x^4 + 3 x^3 + 2 x^2 - x - 1}{x^8 + x^7 - 5 x^6 - 2 x^5 + 9 x^4 + 2 x^3 - 5 x^2 - x + 1}$$

Sequence: A291248
Score: 4.47645
Type of gen. func.: ogf

$$-\frac{x^8 - x^7 - 3 x^6 + 2 x^5 + 3 x^4 - 2 x^3 - 3 x^2 + x + 1}{(x^2 - x - 1) (x^8 + 2 x^7 - 3 x^6 - 4 x^5 + 5 x^4 + 4 x^3 - 3 x^2 - 2 x + 1)}$$

Sequence: A291249
Score: 4.70364
Type of gen. func.: ogf

$$-\frac{x^8 - x^7 - 3 x^6 + 4 x^5 + 3 x^4 - 4 x^3 - 3 x^2 + x + 1}{(x^2 + x - 1) (x^4 + x^3 - 3 x^2 - x + 1) (x^4 - x^3 - x^2 + x + 1)}$$

Sequence: A291250
Score: 7.82084
Type of gen. func.: ogf

$$-\frac{x^4 - 2x^3 - 4x^2 + 2x + 1}{(x^2 + x - 1)(x^4 - 4x^2 + 1)}$$

Sequence: A291251
Score: 9.32017
Type of gen. func.: ogf

$$\frac{x(3x^2 + 2x - 3)}{(x^2 - 2x - 1)(x^2 + x - 1)^2}$$

Sequence: A291253
Score: 5.86102
Type of gen. func.: ogf

$$-\frac{(x^2 + x - 1)(2x^2 - x - 2)(x^2 - x - 1)}{(x^4 + x^3 - 3x^2 - x + 1)^2}$$

Sequence: A291254
Score: 5.60534
Type of gen. func.: ogf

$$-\frac{(2x^2 - x - 2)(2x^4 + 2x^3 - 5x^2 - 2x + 2)}{(x^4 + 2x^3 - 3x^2 - 2x + 1)^2}$$

Sequence: A291255
Score: 5.52334
Type of gen. func.: ogf

```
         2                4    3      2
     (x  - 2 x - 1) (2 x  + x  - 6 x  - x + 2)
   - ------------------------------------------
               2            2   2         2
```

$$(x + 2 x - 1) (x - x - 1)$$

Sequence: A291257
Score: 11.0108
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{x^4 + 2 x^3 - 4 x^2 - 2 x + 1}$$

Sequence: A291257
Score: 5.31288
Type of gen. func.: ogf

$\{-a(n + 4) + 2 a(n + 3) + 4 a(n + 2) - 2 a(n + 1) - a(n), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 28\}$

Sequence: A291257
Score: 5.84417
Type of gen. func.: ogf

$$(8 f(x) + 11) (f(x) x^4 + 2 f(x) x^3 - 4 f(x) x^2 - 2 f(x) x + x^2 + f(x) - x - 1)$$

Sequence: A291257
Score: 7.91398
Type of gen. func.: lgdogf

$$-\frac{-2 x^5 + x^4 + 8 x^3 - 6 x - 3}{-x^6 - x^5 + 7 x^4 - 7 x^2 - x + 1}$$

Sequence: A291264
Score: 10.8659
Type of gen. func.: ogf

$$-\frac{4 (x^2 + x - 1)}{(x^2 + 2 x - 1)^2}$$

Sequence: A291264
Score: 11.0257
Type of gen. func.: lgdogf

$$-\frac{2 x^3 + 3 x^2 - 3}{x^4 + 3 x^3 - 3 x + 1}$$

Sequence: A291264
Score: 5.13524
Type of gen. func.: ogf

$$\{-a(n + 4) + 4 a(n + 3) - 2 a(n + 2) - 4 a(n + 1) - a(n), a(0) = 4, a(1) = 12, a(2) = 36, a(3) = 104\}$$

Sequence: A291264
Score: 5.76728
Type of gen. func.: ogf

$$(19 f(x) - 2) (f(x) x^4 + 4 f(x) x^3 + 2 f(x) x^2 - 4 f(x) x + 4 x^2 + f(x) + 4 x - 4)$$

Sequence: A291265
Score: 11.1437
Type of gen. func.: ogf

$$-\frac{(x + 2) (2 x - 1)}{(x^2 + 3 x - 1)^2}$$

Sequence: A291265
Score: 5.82508
Type of gen. func.: ogf

$$(673 f(x) - 57) (f(x) x^4 + 6 f(x) x^3 + 7 f(x) x^2 - 6 f(x) x + 2 x^2 + f(x) + 3 x - 2)$$

Sequence: A291265
Score: 9.61140
Type of gen. func.: lgdogf

$$-\frac{-4 x^3 - 9 x^2 - 5 x + 9}{-2 x^4 - 9 x^3 - 5 x^2 + 9 x - 2}$$

Sequence: A291268
Score: 11.6591
Type of gen. func.: ogf

$$\frac{x^4 + 2 x^2 - x + 1}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A291271
Score: 12.3115
Type of gen. func.: ogf

$$\frac{x (2 x^2 - x + 1)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A291285
Score: 11.7136
Type of gen. func.: revogf

$$\frac{x}{81 x^4 + 108 x^3 + 54 x^2 + 12 x + 1}$$

Sequence: A291285
Score: 4.36389
Type of gen. func.: ogf

$\{(256 n^3 + 1920 n^2 + 4784 n + 3960) a(n + 1)$

$+ (-9 n^3 - 81 n^2 - 242 n - 240) a(n + 2), a(0) = 1, a(1) = 12\}$

Sequence: A291286
Score: 3.20175
Type of gen. func.: ogf

$\{(-n^3 - 2 n^2 - n) a(n) + (-n^3 - 7 n^2 - 14 n - 8) a(n + 1)$

$+ (-n^2 - 5 n - 8) a(n + 2) + (n + 3) a(n + 3), a(0) = 1, a(1) = 2,$

$a(2) = 4\}$

Sequence: A291287
Score: 5.22252
Type of gen. func.: ogf

$\{(n^2 + n) a(n) + (n + 2) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 1, a(2) = 3\}$

Sequence: A291288
Score: 12.5446
Type of gen. func.: lgdogf

$$- \frac{-30 x^2 - 5}{-6 x^3 + 8 x^2 - 3 x + 1}$$

Sequence: A291288
Score: 3.80706
Type of gen. func.: ogf

$\{(n + 4) a(n + 4) + (-14 - 3 n) a(n + 3) + (8 n + 16) a(n + 2)$

$+ (-36 - 6 n) a(n + 1), a(0) = 1, a(1) = 5, a(2) = 20, a(3) = 70\}$

Sequence: A291288
Score: 7.88887
Type of gen. func.: ogf

$$6 x^2 - 2 x + 1$$

$$-\frac{\quad}{(x - 1)^{7}}$$

Sequence: A291289
Score: 10.6036
Type of gen. func.: lgdogf

$$-\frac{x^{4} - 3 x^{2}}{x^{5} + x^{4} - x^{3} - 2 x^{2} + 1}$$

Sequence: A291289
Score: 12.028
Type of gen. func.: ogf

$$f(x) x^{3} + f(x) x^{2} - 2 x^{2} - f(x) + 2$$

Sequence: A291289
Score: 15.2052
Type of gen. func.: ogf

$$\frac{2 (x - 1) (x + 1)}{x^{3} + x^{2} - 1}$$

Sequence: A291289
Score: 8.75952
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 1) + a(n), a(0) = 2, a(1) = 0, a(2) = 0\}$$

Sequence: A291290
Score: 9.74611
Type of gen. func.: ogf

$$\frac{x (3 x^{7} + x^{6} + x^{5} + 3 x^{4} + x^{3} + x^{2} + 1)}{(x + 1) (x^{2} - x + 1) (x - 1)^{2} (x^{2} + x + 1)^{2}}$$

Sequence: A291292
Score: 5.43336
Type of gen. func.: ogf

$$9 f(x)^2 x^2 - 6 f(x) x^3 + x^4 - 6 f(x)^2 x - 22 f(x) x^2 + 12 x^3 + f(x)^2 + 17 f(x) x + 8 x^2 - 3 f(x) - 10 x + 2$$

Sequence: A291304
Score: 8.88698
Type of gen. func.: ogf

$$\frac{x^8 + x^6 + 3 x^4 - 2 x^3 + x^2 + 1}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A291305
Score: 10.9977
Type of gen. func.: ogf

$$\frac{5 x^4 - 3 x^3 + x^2 + x + 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A291306
Score: 10.8327
Type of gen. func.: ogf

$$\frac{2 x^2 (3 x^3 - 2 x^2 + x + 1)}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A291307
Score: 10.2278
Type of gen. func.: ogf

$$x^2 (3 x^3 - 2 x^2 + x + 1)$$

$$\overline{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A291311
Score: 11.9257
Type of gen. func.: ogf

$$- \frac{(x - 1) (x + 1)}{(x^2 + x - 1) (x^4 + x - 1)}$$

Sequence: A291330
Score: 12.8978
Type of gen. func.: ogf

$$\frac{2 x (2 x^2 - x + 1)}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A291337
Score: 12.3729
Type of gen. func.: ogf

$$- \frac{2 x^2 - 2 x + 1}{5 x^3 - 7 x^2 + 5 x - 1}$$

Sequence: A291337
Score: 6.45083
Type of gen. func.: ogf

$$-(27 f(x) + 13) (5 f(x) x^3 - 7 f(x) x^2 + 5 f(x) x + 2 x^2 - f(x) - 2 x + 1)$$

Sequence: A291337
Score: 6.67918
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 7 a(n + 1) + 5 a(n), a(0) = 1, a(1) = 3, a(2) = 10\}$$

Sequence: A291337
Score: 7.25718
Type of gen. func.: lgdogf

$$-\frac{-10x^4+20x^3-19x^2+10x-3}{-10x^5+24x^4-29x^3+19x^2-7x+1}$$

Sequence: A291357
Score: 8.32241
Type of gen. func.: ogf

$$-\frac{2x^5+4x^4+2x^3+3x^2+2x+4}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A291358
Score: 8.32241
Type of gen. func.: ogf

$$-\frac{2x^5+5x^4+2x^3+3x^2+2x+5}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A291379
Score: 7.46250
Type of gen. func.: ogf

$$-\frac{x^3(x+1)^4}{(x^2+x+1)(x^4+2x^3+x^2+1)(x^2+x-1)}$$

Sequence: A291380
Score: 6.18929
Type of gen. func.: ogf

$$x^4(x+1)^5$$

$$- \frac{}{(x^2 + x - 1) (x^8 + 4 x^7 + 7 x^6 + 7 x^5 + 5 x^4 + 3 x^3 + 2 x^2 + x + 1)}$$

Sequence: A291381
Score: 5.32870
Type of gen. func.: ogf

$$- \frac{x^5 (x + 1)^6}{(x^2 + x + 1) (x^2 + x - 1) (x^4 + 2 x^3 - x + 1) (x^4 + 2 x^3 + 2 x^2 + x + 1)}$$

Sequence: A291382
Score: 5.43693
Type of gen. func.: ogf

$$(7 f(x) - 3)$$

$$(f(x) x^4 + 2 f(x) x^3 + 3 f(x) x^2 + x^3 + 2 f(x) x + 2 x^2 - f(x) + 3 x + 2)$$

Sequence: A291382
Score: 9.67351
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^2 + x + 2)}{x^4 + 2 x^3 + 3 x^2 + 2 x - 1}$$

Sequence: A291383
Score: 5.20837
Type of gen. func.: ogf

$$-(18 f(x) - 7) ($$

$$2 f(x) x^4 + 4 f(x) x^3 + 4 f(x) x^2 + 2 x^3 + 2 f(x) x + 4 x^2 - f(x) + 4 x + 2$$

$$)$$

Sequence: A291383
Score: 9.60505
Type of gen. func.: ogf

$$-\frac{2 (x + 1) (x^2 + x + 1)}{2 x^4 + 4 x^3 + 4 x^2 + 2 x - 1}$$

Sequence: A291384
Score: 5.0707
Type of gen. func.: ogf

$$-(36 f(x) - 7)$$

$$(2 f(x) x^4 + 4 f(x) x^3 + 4 f(x) x^2 + x^3 + 2 f(x) x + 2 x^2 - f(x) + 2 x + 1)$$

Sequence: A291384
Score: 9.35117
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 + x + 1)}{2 x^4 + 4 x^3 + 4 x^2 + 2 x - 1}$$

Sequence: A291385
Score: 11.8934
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 + x - 1)}{(2 x^2 + 2 x - 1)^2}$$

Sequence: A291385
Score: 3.39066
Type of gen. func.: ogf

$$\{(-4 n^2 - 32 n - 48) a(n + 1) + (-6 n^2 - 50 n - 96) a(n + 2)$$

$$+ (-32 - 8 n) a(n + 3) + (n^2 + 9 n + 20) a(n + 4), a(0) = 1, a(1) = 4,$$

$$a(2) = 14, a(3) = 47\}$$

Sequence: A291385
Score: 6.18457
Type of gen. func.: ogf

$$-(6872 f(x) - 1407) (4 f(x) x^4 + 8 f(x) x^3 + x^3 - 4 f(x) x + 2 x^2 + f(x) - 1)$$

Sequence: A291385
Score: 8.05281
Type of gen. func.: lgdogf

$$-\frac{-2 x^4 - 6 x^3 - 3 x^2 + 4 x + 4}{-2 x^5 - 6 x^4 - 3 x^3 + 4 x^2 + 2 x - 1}$$

Sequence: A291386
Score: 4.84275
Type of gen. func.: ogf

$$-(1179 f(x) - 323) (9 f(x) x^4 + 18 f(x) x^3 + 3 f(x) x^2 + 3 x^3 - 6 f(x) x + 6 x^2 + f(x) + x - 2)$$

Sequence: A291386
Score: 7.04835
Type of gen. func.: lgdogf

$$-\frac{-9 x^4 - 27 x^3 - 18 x^2 + 9 x + 11}{-9 x^5 - 27 x^4 - 18 x^3 + 9 x^2 + 7 x - 2}$$

Sequence: A291386
Score: 9.12671
Type of gen. func.: ogf

$$-\frac{(x + 1) (3 x^2 + 3 x - 2)}{(3 x^2 + 3 x - 1)^2}$$

Sequence: A291387
Score: 4.6569
Type of gen. func.: ogf

$$-(10446 f(x) - 8623) (16 f(x) x^4 + 32 f(x) x^3 + 8 f(x) x^2 + 16 x^3 - 8 f(x) x + 32 x^2 + f(x) + 8 x - 8)$$

Sequence: A291387
Score: 7.07848
Type of gen. func.: lgdogf

$$- \frac{-8 x^4 - 24 x^3 - 18 x^2 + 4 x + 7}{-8 x^5 - 24 x^4 - 18 x^3 + 4 x^2 + 5 x - 1}$$

Sequence: A291387
Score: 8.73886
Type of gen. func.: ogf

$$- \frac{8 (x + 1) (2 x^2 + 2 x - 1)}{(4 x^2 + 4 x - 1)^2}$$

Sequence: A291388
Score: 4.74505
Type of gen. func.: ogf

$$-(83568 f(x) - 8623) (16 f(x) x^4 + 32 f(x) x^3 + 8 f(x) x^2 + 2 x^3 - 8 f(x) x + 4 x^2 + f(x) + x - 1)$$

Sequence: A291388
Score: 7.11756
Type of gen. func.: lgdogf

$$- \frac{-8 x^4 - 24 x^3 - 18 x^2 + 4 x + 7}{}$$

$$-8 x^5 - 24 x^4 - 18 x^3 + 4 x^2 + 5 x - 1$$

Sequence: A291388
Score: 9.00957
Type of gen. func.: ogf

$$-\frac{(x + 1) (2 x^2 + 2 x - 1)}{(4 x^2 + 4 x - 1)^2}$$

Sequence: A291389
Score: 4.54701
Type of gen. func.: ogf

$$-(1009 f(x) - 837) (25 f(x) x^4 + 50 f(x) x^3 + 15 f(x) x^2 + 25 x^3 - 10 f(x) x + 50 x^2 + f(x) + 15 x - 10)$$

Sequence: A291389
Score: 6.73308
Type of gen. func.: lgdogf

$$-\frac{-25 x^4 - 75 x^3 - 60 x^2 + 5 x + 17}{-25 x^5 - 75 x^4 - 60 x^3 + 5 x^2 + 13 x - 2}$$

Sequence: A291389
Score: 8.23812
Type of gen. func.: ogf

$$-\frac{5 (x + 1) (5 x^2 + 5 x - 2)}{(5 x^2 + 5 x - 1)^2}$$

Sequence: A291390
Score: 4.81056
Type of gen. func.: ogf

$$-(5045 f(x) - 837) (25 f(x) x^4 + 50 f(x) x^3 + 15 f(x) x^2 + 5 x^3 - 10 f(x) x + 10 x^2 + f(x) + 3 x - 2)$$

Sequence: A291390
Score: 6.98456
Type of gen. func.: lgdogf

$$-\frac{-25 x^4 - 75 x^3 - 60 x^2 + 5 x + 17}{-25 x^5 - 75 x^4 - 60 x^3 + 5 x^2 + 13 x - 2}$$

Sequence: A291390
Score: 8.85846
Type of gen. func.: ogf

$$-\frac{(x + 1) (5 x^2 + 5 x - 2)}{(5 x^2 + 5 x - 1)^2}$$

Sequence: A291391
Score: 4.50352
Type of gen. func.: ogf

$$(2362 f(x) - 1969) (36 f(x) x^4 + 72 f(x) x^3 + 24 f(x) x^2 + 36 x^3 - 12 f(x) x + 72 x^2 + f(x) + 24 x - 12)$$

Sequence: A291391
Score: 7.47287
Type of gen. func.: lgdogf

$$-\frac{-18 x^4 - 54 x^3 - 45 x^2 + 10}{-18 x^5 - 54 x^4 - 45 x^3 + 8 x - 1}$$

Sequence: A291391
Score: 8.00036
Type of gen. func.: ogf

$$-\frac{12 (x + 1) (3 x^2 + 3 x - 1)}{(6 x^2 + 6 x - 1)^2}$$

Sequence: A291392
Score: 4.60793
Type of gen. func.: ogf

$$(28344 f(x) - 1969) (36 f(x) x^4 + 72 f(x) x^3 + 24 f(x) x^2 + 3 x^3 - 12 f(x) x + 6 x^2 + f(x) + 2 x - 1)$$

Sequence: A291392
Score: 7.49420
Type of gen. func.: lgdogf

$$-\frac{-18 x^4 - 54 x^3 - 45 x^2 + 10}{-18 x^5 - 54 x^4 - 45 x^3 + 8 x - 1}$$

Sequence: A291392
Score: 8.41941
Type of gen. func.: ogf

$$-\frac{(x + 1) (3 x^2 + 3 x - 1)}{(6 x^2 + 6 x - 1)^2}$$

Sequence: A291393
Score: 5.28958
Type of gen. func.: ogf

$$(3828 f(x) - 2963) (2 f(x) x^4 + 4 f(x) x^3 - f(x) x^2 + 2 x^3 - 3 f(x) x + 4 x^2 + f(x) - x - 3)$$

Sequence: A291393
Score: 9.82349
Type of gen. func.: ogf

$$-\frac{(x+1)(2x^2+2x-3)}{(2x^2+2x-1)(x^2+x-1)}$$

Sequence: A291394
Score: 5.21367
Type of gen. func.: ogf

$(1011 f(x) - 745)$

$$(3 f(x) x^4 + 6 f(x) x^3 - f(x) x^2 + 3 x^3 - 4 f(x) x + 6 x^2 + f(x) - x - 4)$$

Sequence: A291394
Score: 9.61483
Type of gen. func.: ogf

$$-\frac{(x+1)(3x^2+3x-4)}{(3x^2+3x-1)(x^2+x-1)}$$

Sequence: A291395
Score: 5.04008
Type of gen. func.: ogf

$-(105060 f(x) - 85243)$

$$(6 f(x) x^4 + 12 f(x) x^3 + f(x) x^2 + 6 x^3 - 5 f(x) x + 12 x^2 + f(x) + x - 5)$$

Sequence: A291395
Score: 9.69738
Type of gen. func.: ogf

$$-\frac{(x+1)(6x^2+6x-5)}{(2x^2+2x-1)(3x^2+3x-1)}$$

Sequence: A291396
Score: 6.29985
Type of gen. func.: ogf

$$-\frac{(x + 1) (6 x^4 + 12 x^3 - 5 x^2 - 11 x + 6)}{(2 x^2 + 2 x - 1) (3 x^2 + 3 x - 1) (x^2 + x - 1)}$$

Sequence: A291397
Score: 7.21757
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^4 + 2 x^3 + x^2 + 1)}{(x^3 + x^2 + 1) (x^3 + 2 x^2 + x - 1)}$$

Sequence: A291398
Score: 7.92034
Type of gen. func.: ogf

$$-\frac{x (x^2 + x + 1) (x + 1)^2}{x^6 + 3 x^5 + 4 x^4 + 3 x^3 + x^2 - 1}$$

Sequence: A291399
Score: 5.27782
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 + x + 1) (x^4 + 2 x^3 + x^2 + 1)}{x^8 + 4 x^7 + 7 x^6 + 7 x^5 + 5 x^4 + 3 x^3 + 2 x^2 + x - 1}$$

Sequence: A291400
Score: 5.82756
Type of gen. func.: ogf

4   3   2   2

```
             x (x  + 2 x  + x  + 1) (x + 1)
   - -----------------------------------------------
      8      7      6      5      4      3    2
     x  + 4 x  + 6 x  + 4 x  + 2 x  + 2 x  + x  - 1
```

Sequence: A291401
Score: 6.40387
Type of gen. func.: ogf

$$-\frac{(x+1)(x^2+x+1)(x^4+2x^3-x+1)}{x^8+4x^7+6x^6+4x^5+x^4+x^2+x-1}$$

Sequence: A291402
Score: 6.33779
Type of gen. func.: ogf

$$-\frac{x^2(x^2+x+1)(x+1)^3}{x^8+4x^7+7x^6+7x^5+4x^4+x^3-1}$$

Sequence: A291403
Score: 5.73280
Type of gen. func.: ogf

$$-\frac{x(x^4+2x^3+x^2+2)(x+1)^2}{x^8+4x^7+6x^6+4x^5+3x^4+4x^3+2x^2-1}$$

Sequence: A291404
Score: 5.87727
Type of gen. func.: ogf

$$-\frac{x(2x^4+4x^3+2x^2+1)(x+1)^2}{(2x^4+4x^3+2x^2-1)(x^4+2x^3+x^2+1)}$$

Sequence: A291405
Score: 5.54526

Type of gen. func.: ogf

$$-\frac{2 x (x^4 + 2 x^3 + x^2 + 1) (x + 1)^2}{2 x^8 + 8 x^7 + 12 x^6 + 8 x^5 + 4 x^4 + 4 x^3 + 2 x^2 - 1}$$

Sequence: A291406
Score: 5.74175
Type of gen. func.: ogf

$$-\frac{x (x^4 + 2 x^3 + x^2 + 1) (x + 1)^2}{2 x^8 + 8 x^7 + 12 x^6 + 8 x^5 + 4 x^4 + 4 x^3 + 2 x^2 - 1}$$

Sequence: A291407
Score: 3.94254
Type of gen. func.: ogf

$$-\frac{x^2 (x^2 + x + 1) (x^4 + 2 x^3 - x + 1) (x + 1)^3}{x^{12} + 6 x^{11} + 15 x^{10} + 20 x^9 + 15 x^8 + 6 x^7 + 2 x^6 + 3 x^5 + 3 x^4 + x^3 - 1}$$

Sequence: A291408
Score: 7.26567
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^4 + 2 x^3 - x - 1)}{(x^2 + x + 1) (x^2 + x - 1)^2}$$

Sequence: A291409
Score: 5.72721
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^6 + 3 x^5 + x^4 - 3 x^3 - 2 x^2 + 2)}{(x^2 + x + 1) (x^2 + x - 1)^3}$$

Sequence: A291410
Score: 7.01263
Type of gen. func.: ogf

$$-\frac{(x+1)\,(2\,x^{4}+4\,x^{3}+3\,x^{2}+x+1)}{(2\,x^{2}+2\,x-1)\,(x^{4}+2\,x^{3}+2\,x^{2}+x+1)}$$

Sequence: A291411
Score: 7.18410
Type of gen. func.: ogf

$$-\frac{(x-1)\,(x+2)\,(x+1)\,(x^{2}+x+1)}{x^{6}+3\,x^{5}+2\,x^{4}-x^{3}-3\,x^{2}-2\,x+1}$$

Sequence: A291412
Score: 7.14564
Type of gen. func.: ogf

$$-\frac{(x+1)\,(x^{4}+2\,x^{3}-x^{2}-2\,x-1)}{x^{6}+3\,x^{5}+x^{4}-3\,x^{3}-3\,x^{2}-x+1}$$

Sequence: A291413
Score: 6.69554
Type of gen. func.: ogf

$$-\frac{(x+1)\,(x^{4}+2\,x^{3}+2\,x^{2}+x-3)}{(x^{2}+x-1)\,(x^{4}+2\,x^{3}+3\,x^{2}+2\,x-1)}$$

Sequence: A291414
Score: 6.92721
Type of gen. func.: ogf

```
                               4      3    2
                   (x + 1) (x  + 2 x  + x  - 2)
              - ----------------------------------------
                  2            4      3      2
```

$$(x + x - 1) (x + 2 x + 2 x + x - 1)$$

Sequence: A291415
Score: 5.23131
Type of gen. func.: ogf

$$(1631 f(x) - 893)$$

$$(f(x) x^4 + 2 f(x) x^3 - 2 f(x) x^2 + x^3 - 3 f(x) x + 2 x^2 + f(x) - 2 x - 3)$$

Sequence: A291415
Score: 9.64736
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^2 + x - 3)}{x^4 + 2 x^3 - 2 x^2 - 3 x + 1}$$

Sequence: A291416
Score: 5.29676
Type of gen. func.: ogf

$$(526 f(x) - 237)$$

$$(f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 + x^3 - 4 f(x) x + 2 x^2 + f(x) - 3 x - 4)$$

Sequence: A291416
Score: 9.69925
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^2 + x - 4)}{x^4 + 2 x^3 - 3 x^2 - 4 x + 1}$$

Sequence: A291417
Score: 5.06711
Type of gen. func.: ogf

$$(2198 f(x) - 1363) ($$

$$2 f(x) x^4 + 4 f(x) x^3 - 2 f(x) x^2 + 2 x^3 - 4 f(x) x + 4 x^2 + f(x) - 2 x - 4$$

$$)$$

Sequence: A291417
Score: 9.41032
Type of gen. func.: ogf

$$-\frac{2 (x - 1) (x + 2) (x + 1)}{2 x^4 + 4 x^3 - 2 x^2 - 4 x + 1}$$

Sequence: A291419
Score: 5.29839
Type of gen. func.: ogf

$$-\frac{20 x^{12} + 10 x^{11} - 10 x^{10} + 4 x^5 - 4 x^4 - 2 x^2 - x + 1}{20 x^{13} - 20 x^{12} - 20 x^{11} + 10 x^{10} - 8 x^5 + 4 x^4 - 2 x^3 + 2 x^2 + 2 x - 1}$$

Sequence: A291454
Score: 12.2382
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^5 + x^4 + x^3 + x^2 + 2)}{(x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A291462
Score: 5.31227
Type of gen. func.: ogf

$$(4396 f(x) - 1363)$$

$$(2 f(x) x^4 + 4 f(x) x^3 - 2 f(x) x^2 + x^3 - 4 f(x) x + 2 x^2 + f(x) - x - 2)$$

Sequence: A291462
Score: 9.86566
Type of gen. func.: ogf

$$-\frac{(x-1)(x+2)(x+1)}{2x^4+4x^3-2x^2-4x+1}$$

Sequence: A291497
Score: 10.6999
Type of gen. func.: lgdogf

$$-\frac{-3x^5+5x^4-5x+5}{x^6-x^5-5x^2+10x-5}$$

Sequence: A291497
Score: 16.3527
Type of gen. func.: ogf

$$-\frac{x^5-5x+5}{(x-1)^2}$$

Sequence: A291498
Score: 10.6898
Type of gen. func.: lgdogf

$$-\frac{-4x^6+3x^5+5x^4-11x+11}{x^7-x^5-11x^2+22x-11}$$

Sequence: A291498
Score: 15.7801
Type of gen. func.: ogf

$$-\frac{x^6+x^5-11x+11}{(x-1)^2}$$

Sequence: A291499

Score: 10.4129
Type of gen. func.: lgdogf

$$-\frac{5x^7+x^6-12x^5+19x-19}{-x^8-x^7+2x^6+19x^2-38x+19}$$

Sequence: A291499
Score: 16.8590
Type of gen. func.: ogf

$$-\frac{x^7+2x^6-19x+19}{(x-1)^2}$$

Sequence: A291500
Score: 10.7878
Type of gen. func.: lgdogf

$$-\frac{6x^8+7x^7-21x^6+29x-29}{-x^9-2x^8+3x^7+29x^2-58x+29}$$

Sequence: A291500
Score: 17.4660
Type of gen. func.: ogf

$$-\frac{x^8+3x^7-29x+29}{(x-1)^2}$$

Sequence: A291501
Score: 10.7846
Type of gen. func.: lgdogf

$$-\frac{7x^9+15x^8-32x^7+41x-41}{-x^{10}-3x^9+4x^8+41x^2-82x+41}$$

Sequence: A291501
Score: 17.8032
Type of gen. func.: ogf

$$-\frac{x^{9} + 4 x^{8} - 41 x + 41}{(x - 1)^{2}}$$

Sequence: A291502
Score: 10.6014
Type of gen. func.: lgdogf

$$-\frac{8 x^{10} + 25 x^{9} - 45 x^{8} + 55 x - 55}{-x^{11} - 4 x^{10} + 5 x^{9} + 55 x^{2} - 110 x + 55}$$

Sequence: A291502
Score: 17.7242
Type of gen. func.: ogf

$$-\frac{x^{10} + 5 x^{9} - 55 x + 55}{(x - 1)^{2}}$$

Sequence: A291509
Score: 9.31929
Type of gen. func.: ogf

$$-\frac{2 x^{7} - 2 x^{6} + 2 x^{5} - 2 x^{4} + 2 x^{3} - 2 x^{2} - 6 x + 7}{(x - 1)^{2}}$$

Sequence: A291510
Score: 12.2734
Type of gen. func.: lgdogf

$$-\frac{-5 x^{7} + 7 x^{6} - 7 x + 7}{}$$

$$x^8 - x^7 - 7 x^2 + 14 x - 7$$

Sequence: A291510
Score: 18.0754
Type of gen. func.: ogf

$$\frac{2 (x^7 - 7 x + 7)}{(x - 1)^2}$$

Sequence: A291511
Score: 10.3118
Type of gen. func.: ogf

$$- \frac{2 x^8 + 2 x^7 - 2 x^6 + 2 x^5 - 2 x^4 + 2 x^3 - 2 x^2 - 22 x + 23}{(x - 1)^2}$$

Sequence: A291512
Score: 11.7060
Type of gen. func.: lgdogf

$$- \frac{7 x^9 - 3 x^8 - 8 x^7 + 17 x - 17}{-x^{10} + x^8 + 17 x^2 - 34 x + 17}$$

Sequence: A291512
Score: 17.4660
Type of gen. func.: ogf

$$- \frac{2 (x^9 + x^8 - 17 x + 17)}{(x - 1)^2}$$

Sequence: A291513
Score: 9.34667
Type of gen. func.: ogf

$$-\frac{2 x^{10} + 4 x^{9} - 2 x^{8} + 2 x^{7} - 2 x^{6} + 2 x^{5} - 2 x^{4} + 2 x^{3} - 2 x^{2} - 46 x + 47}{(x - 1)^{2}}$$

Sequence: A291514
Score: 10.5694
Type of gen. func.: lgdogf

$$-\frac{-7 x^{9} + 9 x^{8} - 9 x + 9}{x^{10} - x^{9} - 9 x^{2} + 18 x - 9}$$

Sequence: A291514
Score: 16.3527
Type of gen. func.: ogf

$$-\frac{x^{9} - 9 x + 9}{(x - 1)^{2}}$$

Sequence: A291514
Score: 4.63473
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) + a(n + 1), a(0) = -9, a(1) = -9, a(2) = -9, a(3) = -9,$$
$$a(4) = -9, a(5) = -9, a(6) = -9, a(7) = -9, a(8) = -9, a(9) = -10\}$$

Sequence: A291515
Score: 8.28458
Type of gen. func.: ogf

$$-\frac{x^{10} - x^{9} + 2 x^{8} + 2 x^{7} - 4 x^{6} + 2 x^{5} + 2 x^{4} - 4 x^{3} + 2 x^{2} - 17 x + 17}{(x - 1)^{2}}$$

Sequence: A291516
Score: 12.9527

Type of gen. func.: lgdogf

$$-\frac{-7 x^{9} + 9 x^{8} - 9 x + 9}{x^{10} - x^{9} - 9 x^{2} + 18 x - 9}$$

Sequence: A291516
Score: 19.3113
Type of gen. func.: ogf

$$\frac{3 (x^{9} - 9 x + 9)}{(x - 1)^{2}}$$

Sequence: A291516
Score: 5.41898
Type of gen. func.: ogf

{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 27, a(1) = 27, a(2) = 27, a(3) = 27,

a(4) = 27, a(5) = 27, a(6) = 27, a(7) = 27, a(8) = 27, a(9) = 30}

Sequence: A291517
Score: 10.3808
Type of gen. func.: lgdogf

$$-\frac{-24 x^{10} + 23 x^{9} + 9 x^{8} - 39 x + 39}{3 x^{11} - 2 x^{10} - x^{9} - 39 x^{2} + 78 x - 39}$$

Sequence: A291517
Score: 17.1931
Type of gen. func.: ogf

$$-\frac{3 x^{10} + x^{9} - 39 x + 39}{(x - 1)^{2}}$$

Sequence: A291520
Score: 5.62533
Type of gen. func.: ogf

$$\{-a(n + 5) + a(n + 3), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 4, a(4) = 5\}$$

Sequence: A291520
Score: 6.32849
Type of gen. func.: ogf

$$-(f(x) + 10) (2 x^4 + f(x) x^2 + 2 x^3 + 2 x^2 - f(x) + 2 x + 1)$$

Sequence: A291520
Score: 9.34671
Type of gen. func.: ogf

$$-\frac{2 x^4 + 2 x^3 + 2 x^2 + 2 x + 1}{(x - 1) (x + 1)}$$

Sequence: A291521
Score: 7.01496
Type of gen. func.: ogf

$$- (2 x^{11} - 2 x^{10} + 2 x^9 - 2 x^8 + 2 x^7 - 2 x^6 + 2 x^5 - 2 x^4 + 2 x^3 - 2 x^2 - 10 x + 11) / (x - 1)^2$$

Sequence: A291522
Score: 11.1702
Type of gen. func.: lgdogf

$$-\frac{-8 x^{10} + 10 x^9 - 10 x + 10}{x^{11} - x^{10} - 10 x^2 + 20 x - 10}$$

Sequence: A291522
Score: 17.7527
Type of gen. func.: ogf

$$-\frac{2\,(x^{10} - 10\,x + 10)}{(x - 1)^{2}}$$

Sequence: A291523
Score: 8.85100
Type of gen. func.: ogf

$$-\frac{2\,x^{11} + 4\,x^{9} - 6\,x^{8} + 4\,x^{7} - 2\,x^{6} + 4\,x^{5} - 6\,x^{4} + 4\,x^{3} - 2\,x^{2} - 30\,x + 31}{(x - 1)^{2}}$$

Sequence: A291526
Score: 16.0968
Type of gen. func.: lgdogf

$$-\frac{6\,x - 5}{2\,x^{2} - 3\,x + 1}$$

Sequence: A291526
Score: 17.1700
Type of gen. func.: ogf

$$-\frac{4\,x^{2}}{(x - 1)\,(2\,x - 1)^{2}}$$

Sequence: A291526
Score: 7.02407
Type of gen. func.: ogf

$\{a(n + 3) - 5\,a(n + 2) + 8\,a(n + 1) - 4\,a(n),\ a(0) = 0,\ a(1) = 0,\ a(2) = 4\}$

Sequence: A291526
Score: 9.53885
Type of gen. func.: ogf

$$4 f(x) x^3 - 8 f(x) x^2 + 5 f(x) x + 4 x^2 - f(x)$$

Sequence: A291534
Score: 10.4895
Type of gen. func.: ogf

$$-x^3 f(x)^3 - f(x)^2 x^2 + f(x) x - f(x) + 1$$

Sequence: A291534
Score: 16.8270
Type of gen. func.: revogf

$$- \frac{x}{x^3 + x^2 - x - 1}$$

Sequence: A291535
Score: 10.0987
Type of gen. func.: ogf

$$-f(x)^2 x^2 - 2 f(x)^2 x - f(x) x - f(x) + 1$$

Sequence: A291535
Score: 14.9539
Type of gen. func.: revogf

$$- \frac{-2 x^2 - x}{-x^2 - x + 1}$$

Sequence: A291535
Score: 3.81177
Type of gen. func.: ogf

$$\{(-5 n - 10) a(n + 1) + (-20 n - 55) a(n + 2) + (-21 n - 75) a(n + 3)$$
$$+ (-2 n - 10) a(n + 4), a(0) = 1, a(1) = -3, a(2) = 14, a(3) = -82\}$$

Sequence: A291536
Score: 9.33697
Type of gen. func.: revogf

$$-\frac{-x^{3} - 4x^{2} - x}{x^{4} - 4x^{3} + 6x^{2} - 4x + 1}$$

Sequence: A291537
Score: 11.2094
Type of gen. func.: ogf

$$-\frac{48x^{2} - 20x + 7}{(x - 1)(8x - 1)(2x - 1)}$$

Sequence: A291537
Score: 5.60469
Type of gen. func.: ogf

$$(121120629 f(x) - 103536728)$$

$$(16 f(x) x^{3} - 26 f(x) x^{2} + 11 f(x) x + 48 x^{2} - f(x) - 20 x + 7)$$

Sequence: A291537
Score: 6.26964
Type of gen. func.: ogf

{a(n + 3) - 11 a(n + 2) + 26 a(n + 1) - 16 a(n), a(0) = 7, a(1) = 57,

a(2) = 493}

Sequence: A291537
Score: 6.37774
Type of gen. func.: lgdogf

$$-\frac{768x^{4} - 640x^{3} + 328x^{2} - 268x + 57}{768x^{5} - 1568x^{4} + 1160x^{3} - 450x^{2} + 97x - 7}$$

Sequence: A291551
Score: 10.8622
Type of gen. func.: ogf

$$(f(x) - x - 1)^2$$

Sequence: A291557
Score: 12.3574
Type of gen. func.: ogf

$$(47 f(x) + 991) (2 f(x) x^2 - 3 f(x) x + f(x) + 21 x - 22)$$

Sequence: A291557
Score: 13.2400
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 22, a(1) = 45\}$$

Sequence: A291557
Score: 15.4467
Type of gen. func.: lgdogf

$$- \frac{-42 x^2 + 88 x - 45}{-42 x^3 + 107 x^2 - 87 x + 22}$$

Sequence: A291557
Score: 23.6630
Type of gen. func.: ogf

$$- \frac{21 x - 22}{(2 x - 1) (x - 1)}$$

Sequence: A291561
Score: 8.39137
Type of gen. func.: ogf

$$\{(4 n^3 + 32 n^2 + 81 n + 63) a(n + 1) + (-n - 2) a(n + 2), a(0) = 1, a(1) = 10\}$$

Sequence: A291568
Score: 6.98316
Type of gen. func.: ogf

$$-f(x) (f(x) x^5 - 3 x^4 + x^3 + x^2 - f(x) + x + 1)$$

Sequence: A291568
Score: 9.34671
Type of gen. func.: ogf

$$\frac{3 x^4 - x^3 - x^2 - x - 1}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A291569
Score: 8.53708
Type of gen. func.: ogf

$$- \frac{x^{13} + 2 x^{11} - 4 x^{10} + 2 x^9 + 2 x^6 - 4 x^5 + 2 x^4 - 13 x + 13}{(x - 1)^2}$$

Sequence: A291570
Score: 9.37876
Type of gen. func.: ogf

$$- \frac{x^{12} + 3 x^{11} - 4 x^{10} + 2 x^9 + x^7 - 3 x^5 + 2 x^4 - 23 x + 23}{(x - 1)^2}$$

Sequence: A291574
Score: 8.28807
Type of gen. func.: ogf

$$4 x^5 - x^4 + x^2 - 1$$

$$\frac{}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A291575
Score: 5.48442
Type of gen. func.: ogf

$$- (2 x^{15} - 2 x^{14} + 4 x^{13} - 6 x^{12} + 4 x^{11} - 2 x^{10} + 2 x^9 - 2 x^8 + 4 x^7 - 6 x^6 + 4 x^5 - 2 x^4 + 2 x^3 - 2 x^2 - 14 x + 15) / (x - 1)^2$$

Sequence: A291578
Score: 7.50044
Type of gen. func.: ogf

$$\frac{5 x^6 - x^5 - x^4 - x^3 - x^2 - x - 1}{(x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A291582
Score: 15.8341
Type of gen. func.: ogf

$$- \frac{6 (7 x + 5)}{(x - 1)^3}$$

Sequence: A291582
Score: 17.4175
Type of gen. func.: lgdogf

$$- \frac{14 x + 22}{7 x^2 - 2 x - 5}$$

Sequence: A291582
Score: 7.44339
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 30, a(1) = 132, a(2) = 306\}$$

Sequence: A291582
Score: 7.70688
Type of gen. func.: ogf

$$(6840 f(x) - 322331) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 42 x + 30)$$

Sequence: A291584
Score: 6.89691
Type of gen. func.: ogf

$$\frac{6 x^7 - x^6 - x^4 + 2 x^3 - x^2 - 1}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A291622
Score: 3.47300
Type of gen. func.: ogf

$$- (144 x^{11} - 1128 x^{10} + 3876 x^9 - 7634 x^8 + 9470 x^7 - 7077 x^6 + 3717 x^5 - 1084 x^4 - 74 x^3 + 101 x^2 - 13 x + 2) / ((2 x - 1)^2 (x - 1)^7)$$

Sequence: A291623
Score: 5.01230
Type of gen. func.: ogf

$$- \frac{4 x^8 - 27 x^7 + 77 x^6 - 99 x^5 + 273 x^4 + 33 x^3 + 41 x^2 - 3 x + 1}{(x - 1)^7}$$

Sequence: A291632
Score: 30.1770
Type of gen. func.: lgdegf]

$$1 + 2 x$$

Sequence: A291632
Score: 4.55502
Type of gen. func.: ogf

$$\{(-2 n^2 - 10 n - 12) a(n + 1) + (-3 - n) a(n + 2) + (n + 2) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A291658
Score: 13.4861
Type of gen. func.: ogf

$$-\frac{10 (x - 1)}{(25 x - 1) (5 x - 1)}$$

Sequence: A291658
Score: 7.25059
Type of gen. func.: ogf

$$(62 f(x) + 221) (125 f(x) x^2 - 30 f(x) x + f(x) + 10 x - 10)$$

Sequence: A291658
Score: 7.66255
Type of gen. func.: ogf

$$\{-a(n + 2) + 30 a(n + 1) - 125 a(n), a(0) = 10, a(1) = 290\}$$

Sequence: A291658
Score: 9.11222
Type of gen. func.: lgdogf

$$-\frac{-125 x^2 + 250 x - 29}{-125 x^3 + 155 x^2 - 31 x + 1}$$

Sequence: A291660

Score: 14.2113
Type of gen. func.: ogf

$$-\frac{x^2 - x + 2}{(x^2 - x + 1)(x^2 + x - 1)}$$

Sequence: A291660
Score: 7.74006
Type of gen. func.: lgdogf

$$-\frac{-2x^5 + 3x^4 - 8x^3 + x^2 + 2x - 3}{-x^6 + x^5 - x^4 - 3x^3 + 5x^2 - 5x + 2}$$

Sequence: A291660
Score: 7.80979
Type of gen. func.: ogf

$$(f(x) + 5)(f(x) x^4 - f(x) x^2 + 2 f(x) x + x^2 - f(x) - x + 2)$$

Sequence: A291675
Score: 11.3471
Type of gen. func.: ogf

$$\frac{2(2x^2 + 3x + 2)}{(2x - 1)(x + 1)(x^2 + x - 1)}$$

Sequence: A291675
Score: 5.67354
Type of gen. func.: ogf

$$(238549 f(x) + 76312)$$

$$(2 f(x) x^4 + 3 f(x) x^3 - 2 f(x) x^2 - 2 f(x) x - 4 x^2 + f(x) - 6 x - 4)$$

Sequence: A291681

Score: 6.31425
Type of gen. func.: ogf

$$-\frac{x^6 + x^5 - 3x^4 - 2x^3 + 5x^2 + 9x + 1}{(x - 1)^3 (x + 1)^4}$$

Sequence: A291703
Score: 4.73793
Type of gen. func.: ogf

{a(n + 4) - 11 a(n + 3) + 26 a(n + 2) - 16 a(n + 1), a(0) = 7, a(1) = 54,

a(2) = 490, a(3) = 4050}

Sequence: A291703
Score: 4.77177
Type of gen. func.: ogf

$(39959997 f(x) - 183815879)$

$(16 f(x) x^3 - 26 f(x) x^2 - 48 x^3 + 11 f(x) x + 78 x^2 - f(x) - 23 x + 7)$

Sequence: A291703
Score: 8.90731
Type of gen. func.: ogf

$$\frac{48x^3 - 78x^2 + 23x - 7}{(x - 1)(8x - 1)(2x - 1)}$$

Sequence: A291706
Score: 12.9357
Type of gen. func.: ogf

$$\frac{x^3 - 3x^2 - 3x - 3}{x^2 + 2x - 1}$$

Sequence: A291706

Score: 6.80240
Type of gen. func.: ogf

$$\{-a(n+4) + 2\,a(n+3) + a(n+2),\ a(0) = 3,\ a(1) = 9,\ a(2) = 24,\ a(3) = 56\}$$

Sequence: A291706
Score: 7.66095
Type of gen. func.: ogf

$$(11\,f(x) + 21)\,(f(x)\,x^2 - x^3 + 2\,f(x)\,x + 3\,x^2 - f(x) + 3\,x + 3)$$

Sequence: A291706
Score: 8.05182
Type of gen. func.: lgdogf

$$-\frac{-x^4 - 4\,x^3 + 6\,x^2 - 12\,x - 9}{x^5 - x^4 - 10\,x^3 - 6\,x^2 - 3\,x + 3}$$

Sequence: A291723
Score: 8.98201
Type of gen. func.: ogf

$$-\frac{x^2\,(x^2 + 1)^3}{(x^2 - x + 1)\,(x^3 + x - 1)\,(x^4 + x^3 + 2\,x^2 + 2\,x + 1)}$$

Sequence: A291724
Score: 6.10829
Type of gen. func.: ogf

$$-x^4\,(x^2 + 1)^5 \Big/ \left((x^3 + x - 1)\,(x^{12} + 4\,x^{10} + x^9 + 6\,x^8 + 3\,x^7 + 5\,x^6 + 3\,x^5 + 3\,x^4 + 2\,x^3 + x^2 + x + 1)\right)$$

Sequence: A291725
Score: 5.03458
Type of gen. func.: ogf

{(-n - 8) a(n + 1) + (-n - 6) a(n + 3) + (n + 5) a(n + 4), a(0) = 2, a(1) = 3,

a(2) = 6, a(3) = 11}

Sequence: A291725
Score: 8.82405
Type of gen. func.: ogf

$$-\frac{(x-1)(x^2+1)(x^2+x+2)}{(x^3+x-1)^2}$$

Sequence: A291726
Score: 4.88662
Type of gen. func.: ogf

{(-n - 11) a(n + 1) + (-n - 7) a(n + 3) + (n + 5) a(n + 4), a(0) = 3, a(1) = 6,

a(2) = 13, a(3) = 27}

Sequence: A291726
Score: 5.71838
Type of gen. func.: ogf

$$-\frac{(x^2+1)(x^6+2x^4-3x^3+x^2-3x+3)}{(x^3+x-1)^3}$$

Sequence: A291727
Score: 4.00242
Type of gen. func.: ogf

$$-\frac{(x-1)(x^2+1)(x^2+x+2)(x^6+2x^4-2x^3+x^2-2x+2)}{(x^3+x-1)^4}$$

Sequence: A291727
Score: 4.82219
Type of gen. func.: ogf

{(-n - 14) a(n + 1) + (-n - 8) a(n + 3) + (n + 5) a(n + 4), a(0) = 4, a(1) = 10,

a(2) = 24, a(3) = 55}

Sequence: A291728
Score: 8.56943
Type of gen. func.: ogf

$$-\frac{(x^2 + 1)(x^3 + x + 1)}{x^6 + 2x^4 + x^3 + x^2 + x - 1}$$

Sequence: A291729
Score: 8.43635
Type of gen. func.: ogf

$$-\frac{(x + 1)(x^2 + 1)(x^2 - x + 2)}{x^6 + 2x^4 + 2x^3 + x^2 + 2x - 1}$$

Sequence: A291730
Score: 7.83205
Type of gen. func.: ogf

$$-\frac{2(x^2 + 1)(x^3 + x + 1)}{2x^6 + 4x^4 + 2x^3 + 2x^2 + 2x - 1}$$

Sequence: A291731
Score: 8.13343
Type of gen. func.: ogf

$$-\frac{(x^2 + 1)(x^3 + x + 1)}{2x^6 + 4x^4 + 2x^3 + 2x^2 + 2x - 1}$$

Sequence: A291732

Score: 4.38343
Type of gen. func.: ogf

{(-2 n - 16) a(n + 1) + (-2 n - 12) a(n + 3) + (n + 5) a(n + 4), a(0) = 4,

a(1) = 12, a(2) = 36, a(3) = 104}

Sequence: A291732
Score: 7.91845
Type of gen. func.: ogf

$$-\frac{4 (x^2 + 1) (x^3 + x - 1)}{(2 x^3 + 2 x - 1)^2}$$

Sequence: A291733
Score: 4.74107
Type of gen. func.: ogf

{(-2 n - 16) a(n + 1) + (-2 n - 12) a(n + 3) + (n + 5) a(n + 4), a(0) = 1,

a(1) = 3, a(2) = 9, a(3) = 26}

Sequence: A291733
Score: 8.41157
Type of gen. func.: ogf

$$-\frac{(x^2 + 1) (x^3 + x - 1)}{(2 x^3 + 2 x - 1)^2}$$

Sequence: A291734
Score: 8.30185
Type of gen. func.: ogf

$$-\frac{(x^2 + 1) (2 x^3 + 2 x - 3)}{(2 x^3 + 2 x - 1) (x^3 + x - 1)}$$

Sequence: A291735

Score: 7.95372
Type of gen. func.: ogf

$$-\frac{(x^2+1)(x^6+2x^4+x^2+1)}{x^9+3x^7+3x^5+2x^3+x-1}$$

Sequence: A291736
Score: 6.04441
Type of gen. func.: ogf

$$-\frac{x(x^3+x+1)(x^2+1)^2}{(x^3-x^2+2x-1)(x^6+x^5+2x^4+2x^3+2x^2+2x+1)}$$

Sequence: A291737
Score: 5.48128
Type of gen. func.: ogf

$$-\frac{(x^2+1)(x^2-x+1)(x^4+x^3+2x^2+2x+1)}{x^9+3x^7+x^6+3x^5+2x^4+2x^3+x^2+x-1}$$

Sequence: A291738
Score: 6.12762
Type of gen. func.: ogf

$$-\frac{(x^2+1)(x^2+x+1)(x^4-x^3+2x^2-2x+1)(x^3+x+1)}{x^{12}+4x^{10}+6x^8+4x^6+x^4+x^3+x-1}$$

Sequence: A291740
Score: 6.55145
Type of gen. func.: ogf

$$-\frac{(x^2+1)(x^6+2x^4-x^3+x^2-x-1)}{(x^3+x+1)(x^3+x-1)^2}$$

Sequence: A291741
Score: 5.66287
Type of gen. func.: ogf

$$-\frac{(x^2+1)(x^2+x+1)(x^4-x^3+2x^2-2x+1)}{(x^6+2x^4+x^2+1)(x^3+x-1)}$$

Sequence: A291772
Score: 7.37176
Type of gen. func.: ogf

$$-\frac{10x^4+68x^3+21x^2-4x+4}{2x^5+17x^4+7x^3-2x^2+4x-1}$$

Sequence: A291773
Score: 12.3781
Type of gen. func.: ogf

$$-\frac{5x^3-2x^2+3x-1}{(3x-1)(x-1)}$$

Sequence: A291773
Score: 6.62339
Type of gen. func.: ogf

$\{a(n+4)-4a(n+3)+3a(n+2), a(0)=1, a(1)=1, a(2)=3, a(3)=4\}$

Sequence: A291773
Score: 7.33074
Type of gen. func.: lgdogf

$$-\frac{15x^4-40x^3+14x^2+2x-1}{-15x^5+26x^4-22x^3+17x^2-7x+1}$$

Sequence: A291773
Score: 7.4759
Type of gen. func.: ogf

$$(4 f(x) - 9) (3 f(x) x^2 + 5 x^3 - 4 f(x) x - 2 x^2 + f(x) + 3 x - 1)$$

Sequence: A291778
Score: 11.0918
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n), a(0) = 1, a(1) = 1, a(2) = 2\}$$

Sequence: A291778
Score: 11.2397
Type of gen. func.: ogf

$$(f(x) - 1) (4 f(x) x^3 + 2 x^2 - f(x) + x + 1)$$

Sequence: A291778
Score: 17.2037
Type of gen. func.: ogf

$$- \frac{2 x^2 + x + 1}{4 x^3 - 1}$$

Sequence: A291778
Score: 8.69052
Type of gen. func.: lgdogf

$$- \frac{-8 x^4 - 8 x^3 - 12 x^2 - 4 x - 1}{-8 x^5 - 4 x^4 - 4 x^3 + 2 x^2 + x + 1}$$

Sequence: A291779
Score: 13.3088
Type of gen. func.: lgdogf

$$-\frac{-32 x^{3} + 12 x^{2} + 2}{-8 x^{4} + 4 x^{3} + 2 x - 1}$$

Sequence: A291779
Score: 20.7026
Type of gen. func.: ogf

$$\frac{x}{(2 x - 1) (4 x^{3} - 1)}$$

Sequence: A291779
Score: 9.41027
Type of gen. func.: ogf

$$(f(x) + 1) (8 f(x) x^{4} - 4 f(x) x^{3} - 2 f(x) x + f(x) - x)$$

Sequence: A291823
Score: 13.4131
Type of gen. func.: revogf

$$\frac{x}{(x^{2} + x + 1) (x^{6} + x^{3} + 1)}$$

Sequence: A291832
Score: 4.67365
Type of gen. func.: ogf

$$\frac{64 (x^{6} + 120 x^{5} + 1191 x^{4} + 2416 x^{3} + 1191 x^{2} + 120 x + 1)}{(x - 1)^{8}}$$

Sequence: A291856
Score: 3.44275
Type of gen. func.: ogf

$$\{(2 n^2 + 8 n + 8) a(n + 1) + (-n^2 - 5 n - 8) a(n + 2) + (-8 - 3 n) a(n + 3) + (n + 4) a(n + 4), a(0) = -1, a(1) = 1, a(2) = 0, a(3) = 2\}$$

Sequence: A291887
Score: 7.34978
Type of gen. func.: ogf

$$-\frac{x^4 + 2 x^2 - 3 x + 1}{(2 x - 1) (x^2 - 3 x + 1) (2 x^2 - 1) (x^2 + x - 1)}$$

Sequence: A291888
Score: 6.15587
Type of gen. func.: ogf

$$\frac{3 x^4 - 5 x^3 + 6 x^2 - 4 x + 1}{(3 x - 1) (x - 1) (x^2 - 3 x + 1) (3 x^2 - 1) (x^2 + x - 1)}$$

Sequence: A291889
Score: 4.80466
Type of gen. func.: ogf

$$-\frac{3 x^5 - 14 x^4 + 18 x^3 - 12 x^2 + 5 x - 1}{(3 x - 1) (x - 1) (3 x^2 - 1) (x^3 - 2 x^2 - x + 1) (x^3 - 6 x^2 + 5 x - 1)}$$

Sequence: A291898
Score: 3.93023
Type of gen. func.: ogf

$$\{(-27 n^2 - 108 n - 108) a(n + 1) + (-9 n^2 - 45 n - 57) a(n + 2) + (-n^2 - 6 n - 9) a(n + 3), a(0) = 1, a(1) = -3, a(2) = 9\}$$

Sequence: A291910
Score: 4.75837

Type of gen. func.: ogf

$$-\frac{3 x^2 (7 x^5 + 165 x^4 + 660 x^3 + 680 x^2 + 165 x + 3)}{(x - 1)^9}$$

Sequence: A291911
Score: 3.23664
Type of gen. func.: ogf

$$-\frac{36 x^2 (x + 1) (x^6 + 84 x^5 + 1055 x^4 + 2760 x^3 + 1055 x^2 + 84 x + 1)}{(x - 1)^{11}}$$

Sequence: A291915
Score: 6.99449
Type of gen. func.: ogf

$$-\frac{2 x^3 (x^2 - 7 x - 1)}{(x^2 + x - 1)^4}$$

Sequence: A291915
Score: 9.26981
Type of gen. func.: lgdogf

$$-\frac{6 x^3 - 47 x^2 - 27 x - 11}{x^4 - 6 x^3 - 9 x^2 + 6 x + 1}$$

Sequence: A291916
Score: 8.66981
Type of gen. func.: ogf

$$-\frac{2 x^4 + 4 x^3 - 3 x^2 - 6 x + 4}{(x - 1) (x^2 + x - 1)^2}$$

Sequence: A291919
Score: 10.2119
Type of gen. func.: lgdogf

$$-\frac{-16 x^3 - 9 x^2 - 6 x - 9}{-8 x^4 + 13 x^3 - 9 x^2 + 3 x + 1}$$

Sequence: A291919
Score: 4.27233
Type of gen. func.: ogf

$$\{(-137 n^2 - 2413 n - 4278) a(n + 1) + (636 n^2 + 5082 n + 1962) a(n + 2)$$

$$+ (-499 n^2 - 1221 n - 446) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 9\}$$

Sequence: A291919
Score: 9.20193
Type of gen. func.: ogf

$$-\frac{x (8 x^3 - 5 x^2 + 4 x + 1)}{(x - 1)^5}$$

Sequence: A291938
Score: 15.9478
Type of gen. func.: lgdogf

$$-\frac{-12 x - 2}{-4 x^2 + 1}$$

Sequence: A291938
Score: 15.9478
Type of gen. func.: ogf

$$\frac{4 x}{(1 + 2 x) (2 x - 1)^2}$$

Sequence: A291938
Score: 6.46534
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 4 a(n + 1) - 8 a(n), a(0) = 0, a(1) = 4, a(2) = 8\}$$

Sequence: A291938
Score: 9.32016
Type of gen. func.: ogf

$$8 f(x) x^3 - 4 f(x) x^2 - 2 f(x) x + f(x) - 4 x$$

Sequence: A291945
Score: 14.5868
Type of gen. func.: ogf

$$\{a(n + 1) - 1111 a(n), a(0) = 1\}$$

Sequence: A291945
Score: 18.2335
Type of gen. func.: ogf

$$-1111 f(x) x + f(x) - 1$$

Sequence: A291945
Score: 23.5963
Type of gen. func.: lgdogf

$$\frac{1111}{-1111 x + 1}$$

Sequence: A291945
Score: 33.4281
Type of gen. func.: ogf

$$-\frac{1}{1111 x - 1}$$

Sequence: A291946
Score: 12.9127
Type of gen. func.: ogf

$$\{a(n + 1) - 11111\, a(n),\ a(0) = 1\}$$

Sequence: A291946
Score: 16.0691
Type of gen. func.: ogf

$$-11111\, f(x)\, x + f(x) - 1$$

Sequence: A291946
Score: 28.9244
Type of gen. func.: ogf

$$-\frac{1}{11111\, x - 1}$$

Sequence: A291983
Score: 11.2507
Type of gen. func.: ogf

$$\frac{1}{(x^{2} - x + 1)\,(x^{2} + 1)\,(x + 1)^{2}}$$

Sequence: A291983
Score: 18.4867
Type of gen. func.: ogf_with_Euler_transform]

$$x^{5} + x^{3} - x^{2} - 1$$

Sequence: A291984
Score: 17.8534
Type of gen. func.: ogf_with_Euler_transform]

7   5   2

$$x + x - x - 1$$

Sequence: A291984
Score: 7.04896
Type of gen. func.: ogf

$$\frac{1}{(x^2 - x + 1)\,(x^2 + 1)\,(x^4 + 1)\,(x + 1)^2}$$

Sequence: A291985
Score: 13.3398
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 + x^7 + x^5 - x^4 - x^2 - 1$$

Sequence: A291985
Score: 5.10537
Type of gen. func.: ogf

$$\frac{1}{(x^2 + 1)\,(x^4 - x^3 + x^2 - x + 1)\,(x^2 - x + 1)\,(x^4 + 1)\,(x + 1)^3}$$

Sequence: A291986
Score: 12.6557
Type of gen. func.: ogf

$$- \frac{1}{(x - 1)\,(2\,x^2 - 1)\,(3\,x^3 - 1)}$$

Sequence: A291987
Score: 7.84578
Type of gen. func.: ogf

$$\frac{1}{(x - 1)\,(2\,x^2 + 1)\,(3\,x^3 - 1)\,(2\,x^2 - 1)}$$

Sequence: A291988
Score: 5.56625
Type of gen. func.: ogf

$$-\frac{1}{(x-1)(2x^2+1)(3x^3-1)(5x^5-1)(2x^2-1)^2}$$

Sequence: A292000
Score: 9.32530
Type of gen. func.: ogf

$$-\frac{17x^3+2x^2+8x+5}{(x-1)^5}$$

Sequence: A292000
Score: 9.54216
Type of gen. func.: lgdogf

$$-\frac{34x^3+57x^2+36x+33}{17x^4-15x^3+6x^2-3x-5}$$

Sequence: A292001
Score: 4.06973
Type of gen. func.: ogf

$$\{(-28n^2-2521n-7311)\,a(n+1)+(640n^2+7494n+8762)\,a(n+2)$$

$$+(-612n^2-2637n-2403)\,a(n+3),\ a(0)=3,\ a(1)=26,\ a(2)=93\}$$

Sequence: A292001
Score: 9.09973
Type of gen. func.: ogf

$$-\frac{25x^3-7x^2+11x+3}{{}^{5}}$$

$$(x - 1)$$

Sequence: A292001
Score: 9.30892
Type of gen. func.: lgdogf

$$-\frac{-50 x^{3} - 54 x^{2} - 30 x - 26}{-25 x^{4} + 32 x^{3} - 18 x^{2} + 8 x + 3}$$

Sequence: A292018
Score: 12.6683
Type of gen. func.: lgdogf

$$-\frac{2 x^{2} + 28 x + 15}{2 x^{3} + 10 x^{2} - 11 x - 1}$$

Sequence: A292018
Score: 13.8943
Type of gen. func.: ogf

$$-\frac{2 x^{2} + 12 x + 1}{(x - 1)^{3}}$$

Sequence: A292018
Score: 7.00361
Type of gen. func.: ogf

$$(466425 f(x) - 3431849)$$

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 2 x^{2} - f(x) + 12 x + 1)$$

Sequence: A292018
Score: 7.55653
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 15, a(2) = 44\}$$

Sequence: A292022
Score: 12.3577
Type of gen. func.: ogf

$$\frac{12 (x^2 + 1)}{(x - 1)^4}$$

Sequence: A292022
Score: 12.9370
Type of gen. func.: lgdogf

$$- \frac{-2 x^2 - 2 x - 4}{-x^3 + x^2 - x + 1}$$

Sequence: A292022
Score: 28.3481
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^3 + x + 4]$$

Sequence: A292022
Score: 4.26786
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-n - 7) a(n + 3) + n a(n + 2) + (-3 - n) a(n + 1),$$

$$a(0) = 12, a(1) = 48, a(2) = 132, a(3) = 288\}$$

Sequence: A292022
Score: 6.36896
Type of gen. func.: ogf

$$(49 f(x) + 384)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 12 x^2 + f(x) - 12)$$

Sequence: A292026
Score: 3.7304
Type of gen. func.: ogf

$$-(134697157554 f(x) - 402713647003) (2048 f(x) x^4 - 1856 f(x) x^3 + 504 f(x) x^2 + 2784 x^3 - 46 f(x) x - 1464 x^2 + f(x) + 210 x - 6)$$

Sequence: A292026
Score: 7.14331
Type of gen. func.: ogf

$$-\frac{6 (464 x^3 - 244 x^2 + 35 x - 1)}{(4 x - 1) (2 x - 1) (8 x - 1) (32 x - 1)}$$

Sequence: A292027
Score: 10.5838
Type of gen. func.: ogf

$$-\frac{x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}{(x^2 - x + 1) (x^9 + x^8 - x^6 + x^4 + x^3 - x - 1)}$$

Sequence: A292029
Score: 6.57188
Type of gen. func.: lgdogf

$$\frac{1/2 I}{x (4 x - 1)^{1/2} (4 x + 1)^{1/2}} - \frac{96 x^2 + 12 x - 1}{2 (4 x - 1) (4 x + 1) x}$$

Sequence: A292034
Score: 12.4794
Type of gen. func.: ogf

$$-\frac{(x - 1) (x + 1)}{x^4 - 6 x^3 + 6 x^2 - 6 x + 1}$$

Sequence: A292034
Score: 6.19204
Type of gen. func.: ogf

$$(10835 f(x) - 798) (f(x) x^4 - 6 f(x) x^3 + 6 f(x) x^2 - 6 f(x) x + x^2 + f(x) - 1)$$

Sequence: A292034
Score: 7.65243
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - 6 x^4 - 4 x^3 + 24 x^2 - 14 x + 6}{x^6 - 6 x^5 + 5 x^4 - 5 x^2 + 6 x - 1}$$

Sequence: A292035
Score: 12.4677
Type of gen. func.: ogf

$$- \frac{(x - 1) (x + 1)}{x^4 - 7 x^3 + 7 x^2 - 7 x + 1}$$

Sequence: A292035
Score: 6.04779
Type of gen. func.: ogf

$$(503355 f(x) - 26414)$$

$$(f(x) x^4 - 7 f(x) x^3 + 7 f(x) x^2 - 7 f(x) x + x^2 + f(x) - 1)$$

Sequence: A292035
Score: 7.64531
Type of gen. func.: lgdogf

$$- \frac{2 x^5 - 7 x^4 - 4 x^3 + 28 x^2 - 16 x + 7}{x^6 - 7 x^5 + 6 x^4 - 6 x^2 + 7 x - 1}$$

Sequence: A292037
Score: 12.6557
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^4 - 4 x^2 + x - 2}{x^8 - 2 x^4 + 1}$$

Sequence: A292038
Score: 9.89659
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^6 + x^5 - 6 x^4 - 6 x^2 + x - 2}{x^8 - 2 x^4 + 1}$$

Sequence: A292044
Score: 15.7040
Type of gen. func.: ogf

$$-\frac{x (2 x - 1)}{(4 x - 1)^2}$$

Sequence: A292044
Score: 16.3584
Type of gen. func.: lgdogf

$$-\frac{-8 x + 6}{-8 x^2 + 6 x - 1}$$

Sequence: A292044
Score: 7.69806
Type of gen. func.: ogf

{a(n + 3) - 8 a(n + 2) + 16 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 6}

Sequence: A292044
Score: 9.13025
Type of gen. func.: ogf

$$-f(x)\,(16\,f(x)\,x^{2} - 8\,f(x)\,x + 2\,x^{2} + f(x) - x)$$

Sequence: A292045
Score: 5.61513
Type of gen. func.: ogf

$$\frac{12\,x\,(4\,x^{4} + 49\,x^{3} + 104\,x^{2} + 49\,x + 4)}{(x - 1)^{8}}$$

Sequence: A292045
Score: 7.01892
Type of gen. func.: lgdogf

$$-\frac{-16\,x^{4} - 261\,x^{3} - 771\,x^{2} - 551\,x - 81}{-4\,x^{5} - 45\,x^{4} - 55\,x^{3} + 55\,x^{2} + 45\,x + 4}$$

Sequence: A292051
Score: 6.81253
Type of gen. func.: ogf

$$-\frac{x\,(2\,x^{5} + 3\,x^{4} + 18\,x^{3} + 12\,x^{2} + 12\,x + 1)}{(x + 1)^{3}\,(x - 1)^{5}}$$

Sequence: A292053
Score: 11.7370
Type of gen. func.: lgdogf

$$-\frac{-12\,x^{2} - 46\,x - 26}{-3\,x^{3} - 5\,x^{2} + 5\,x + 3}$$

```
------------------------------------------------------------------------------

Sequence:  A292053
Score: 3.91233
Type of gen. func.: ogf


{(9 + 3 n) a(n + 4) + (-16 + 5 n) a(n + 3) + (-51 - 5 n) a(n + 2)

     + (-12 - 3 n) a(n + 1), a(0) = 0, a(1) = 6, a(2) = 52, a(3) = 228}



------------------------------------------------------------------------------

Sequence:  A292053
Score: 8.45568
Type of gen. func.: ogf


                                      2
                              2 x (3 x  + 8 x + 3)
                              --------------------
                                           6
                                    (x - 1)



------------------------------------------------------------------------------

Sequence:  A292055
Score: 4.54666
Type of gen. func.: ogf


                                 4             3       4            2       3
-(11978 f(x) + 331473) (24 f(x) x  - 50 f(x) x  - 10 x  + 35 f(x) x  + 25 x

                      2
     - 10 f(x) x - 5 x  + f(x) - x)



------------------------------------------------------------------------------

Sequence:  A292055
Score: 8.36169
Type of gen. func.: ogf


                                 3       2
                          x (10 x  - 25 x  + 5 x + 1)
                     -------------------------------------
                     (x - 1) (3 x - 1) (2 x - 1) (4 x - 1)



------------------------------------------------------------------------------

Sequence:  A292056
Score: 3.03489
Type of gen. func.: ogf


{(4608 n + 768) a(n + 1) + (-1824 n + 848) a(n + 2) + (192 n - 136) a(n + 3)

     + (-6 n + 5) a(n + 4), a(0) = 12, a(1) = 200, a(2) = 2944, a(3) = 43392}
```

Sequence: A292056
Score: 4.33556
Type of gen. func.: ogf

$$-(3825 f(x) + 53546) (3072 f(x) x^4 - 1984 f(x) x^3 + 432 f(x) x^2 - 36 f(x) x - 928 x^2 + f(x) + 232 x - 12)$$

Sequence: A292056
Score: 8.04428
Type of gen. func.: ogf

$$\frac{4 (232 x^2 - 58 x + 3)}{(16 x - 1) (12 x - 1) (4 x - 1)^2}$$

Sequence: A292057
Score: 10.1766
Type of gen. func.: ogf

$$- \frac{2 x (x + 3) (1 + 2 x)}{(x - 1)^5}$$

Sequence: A292057
Score: 12.9520
Type of gen. func.: lgdogf

$$- \frac{-6 x^2 - 32 x - 22}{-2 x^3 - 5 x^2 + 4 x + 3}$$

Sequence: A292057
Score: 4.27417
Type of gen. func.: ogf

$$\{(9 + 3 n) a(n + 4) + (-14 + 4 n) a(n + 3) + (-37 - 5 n) a(n + 2) + (-6 - 2 n) a(n + 1), a(0) = 0, a(1) = 6, a(2) = 44, a(3) = 164\}$$

Sequence: A292058
Score: 12.7596
Type of gen. func.: lgdogf

$$-\frac{-3x^2+6x+27}{-x^3+3x^2+3x-5}$$

Sequence: A292058
Score: 4.12622
Type of gen. func.: ogf

$$\{(-15-5n)\,a(n+4)+(33+3n)\,a(n+3)+(9+3n)\,a(n+2)+(-3-n)\,a(n+1),\ a(0)=0,\ a(1)=10,\ a(2)=54,\ a(3)=168\}$$

Sequence: A292058
Score: 9.87346
Type of gen. func.: ogf

$$\frac{2x(x^2-2x-5)}{(x-1)^5}$$

Sequence: A292059
Score: 7.77656
Type of gen. func.: ogf

$$-\frac{7x^4+10x^3+24x^2+6x+1}{(x+1)^3(x-1)^5}$$

Sequence: A292061
Score: 12.6053
Type of gen. func.: lgdogf

$$-\frac{-5x^2-20x-10}{-x^3-2x^2+2x+1}$$

Sequence: A292061
Score: 6.07264
Type of gen. func.: ogf

$$\{(n^2 + 5 n + 6) a(n + 1) + (-n^2 + n) a(n + 2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6\}$$

Sequence: A292061
Score: 7.84860
Type of gen. func.: ogf

$$-\frac{6 x^3 (x^2 + 3 x + 1)}{(x - 1)^7}$$

Sequence: A292074
Score: 4.66939
Type of gen. func.: ogf

$$(6 x^9 - 42 x^8 + 127 x^7 - 217 x^6 + 221 x^5 - 223 x^4 + 47 x^3 - 41 x^2 + 3 x - 1) / (x - 1)^7$$

Sequence: A292119
Score: 5.60918
Type of gen. func.: ogf

$$\{(-8 n^3 - 96 n^2 - 352 n - 384) a(n + 1) + (6 n^2 + 46 n + 78) a(n + 2) + (-3 - n) a(n + 3), a(0) = 1, a(1) = 10, a(2) = 130\}$$

Sequence: A292185
Score: 6.53819
Type of gen. func.: ogf

$$52 x^5 - 301 x^4 + 714 x^3 - 886 x^2 + 574 x - 177$$

```
                - ----------------------------------------------
                                                6
                                         (x - 1)
```

Sequence: A292209
Score: 4.06261
Type of gen. func.: ogf

$(1716928489479 f(x) + 755196450080)$

$(160 f(x) x^3 - 188 f(x) x^2 + 29 f(x) x + 320 x^2 - f(x) - 232 x + 45)$

Sequence: A292209
Score: 4.68013
Type of gen. func.: ogf

$\{a(n + 3) - 29 a(n + 2) + 188 a(n + 1) - 160 a(n), a(0) = 45, a(1) = 1073,$

$a(2) = 22977\}$

Sequence: A292209
Score: 8.23966
Type of gen. func.: ogf

$$-\frac{320 x^2 - 232 x + 45}{(x - 1) (20 x - 1) (8 x - 1)}$$

Sequence: A292220
Score: 10.5159
Type of gen. func.: egf]

$$f(x)^2 x - 4 f(x) x - f(x) + 4 x + 1$$

Sequence: A292220
Score: 3.87426
Type of gen. func.: ogf

$\{(-16 n^3 - 24 n^2 - 8 n) a(n) + (-4 n^3 - 26 n^2 - 48 n - 24) a(n + 1)$

$+ (-n^2 - 5 n - 6) a(n + 2), a(0) = 1, a(1) = 1\}$

Sequence: A292220
Score: 9.74263
Type of gen. func.: lgdegf]

$$\frac{-\frac{1}{2\,(4\,x+1)^{1/2}}+1/2}{x\,(4\,x+1)^{1/2}}$$

Sequence: A292221
Score: 4.84194
Type of gen. func.: ogf

$$\{(-16\,n^3-40\,n^2-24\,n)\,a(n)+(-4\,n^3-30\,n^2-64\,n-40)\,a(n+1)$$
$$+(-n^2-5\,n-6)\,a(n+2),\ a(0)=3,\ a(1)=-3\}$$

Sequence: A292221
Score: 7.43583
Type of gen. func.: lgdegf]

$$\frac{\left(-\frac{32\,x^2+24\,x+3}{2\,(4\,x+1)^{3/2}}+3/2\right)(4\,x+1)^{1/2}}{(16\,x^2+12\,x+3)\,x}$$

Sequence: A292221
Score: 7.57103
Type of gen. func.: egf]

$$-4\,f(x)^2\,x^2-f(x)^2\,x+16\,f(x)\,x^2+8\,f(x)\,x-16\,x^2+f(x)-12\,x-3$$

Sequence: A292275
Score: 6.75461
Type of gen. func.: ogf

$$- 25 (32 x^9 + 24 x^8 + 20 x^7 + 16 x^6 + 12 x^5 + 10 x^4 + 8 x^3 + 6 x^2 + 5 x + 4) \Big/ (10 x^{10} - 1)$$

Sequence: A292277
Score: 10.8824
Type of gen. func.: lgdogf

$$- \frac{-24 x^2 + 16 x + 4}{-8 x^3 + 8 x^2 + 4 x - 1}$$

Sequence: A292277
Score: 15.9609
Type of gen. func.: ogf

$$\frac{2 x}{(1 + 2 x) (4 x^2 - 6 x + 1)}$$

Sequence: A292277
Score: 6.47062
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) + 8 a(n + 1) - 8 a(n), a(0) = 0, a(1) = 2, a(2) = 8\}$$

Sequence: A292277
Score: 6.90616
Type of gen. func.: ogf

$$-(15 f(x) + 4) (8 f(x) x^3 - 8 f(x) x^2 - 4 f(x) x + f(x) - 2 x)$$

Sequence: A292278
Score: 11.8201
Type of gen. func.: ogf

$$x^2 + 2 x - 1$$

```
                  - ----------------------
                                 2
                    (x - 1) (x  + 4 x - 1)
```

Sequence: A292278
Score: 6.38078
Type of gen. func.: ogf

```
                       3            2                2
(116 f(x) + 3) (f(x) x  + 3 f(x) x  - 5 f(x) x + x  + f(x) + 2 x - 1)
```

Sequence: A292278
Score: 6.38079
Type of gen. func.: ogf

```
{-a(n + 3) + 5 a(n + 2) - 3 a(n + 1) - a(n), a(0) = 1, a(1) = 3, a(2) = 11}
```

Sequence: A292278
Score: 8.10145
Type of gen. func.: lgdogf

```
                    4      3      2
                  -x  - 4 x  - 8 x  + 8 x - 3
                - ----------------------------
                    5      4       2
                  -x  - 5 x  + 12 x  - 7 x + 1
```

Sequence: A292281
Score: 6.17606
Type of gen. func.: ogf

```
                         4       3       2
              (x + 1) (x  + 11 x  + 24 x  + 11 x + 1)
              ---------------------------------------
                                      8
                              (x - 1)
```

Sequence: A292281
Score: 7.13441
Type of gen. func.: lgdogf

```
                   5        4         3         2
               -3 x  - 53 x  - 223 x  - 315 x  - 154 x - 20
             - ---------------------------------------------
                    6       5        4        2
                  -x  - 11 x  - 23 x  + 23 x  + 11 x + 1
```

Sequence: A292282
Score: 4.41491
Type of gen. func.: ogf

$$\{(-6 n^2 - 42 n - 72) a(n + 1) + (7 n^2 + 16 n + 33) a(n + 2) + (-n^2 - 4 n - 4) a(n + 3), a(0) = 0, a(1) = 24, a(2) = 576\}$$

Sequence: A292282
Score: 6.85072
Type of gen. func.: ogf

$$-\frac{24 x (9 x^3 + 33 x^2 + 17 x + 1)}{(x - 1)^7}$$

Sequence: A292282
Score: 8.92902
Type of gen. func.: lgdogf

$$-\frac{36 x^3 + 192 x^2 + 168 x + 24}{9 x^4 + 24 x^3 - 16 x^2 - 16 x - 1}$$

Sequence: A292290
Score: 12.4975
Type of gen. func.: ogf

$$\frac{3 x^2 (2 x - 1)}{(x - 1) (x^2 - 3 x + 1)}$$

Sequence: A292290
Score: 5.86420
Type of gen. func.: ogf

$$\{a(n + 4) - 4 a(n + 3) + 4 a(n + 2) - a(n + 1), a(0) = 0, a(1) = 0, a(2) = 3,$$

a(3) = 6}

Sequence: A292290
Score: 8.56568
Type of gen. func.: ogf

$$-f(x)\,x^{3} + 4\,f(x)\,x^{2} + 6\,x^{3} - 4\,f(x)\,x - 3\,x^{2} + f(x)$$

Sequence: A292290
Score: 9.29690
Type of gen. func.: lgdogf

$$-\frac{4\,x^{3} - 11\,x^{2} + 8\,x - 2}{2\,x^{4} - 9\,x^{3} + 12\,x^{2} - 6\,x + 1}$$

Sequence: A292291
Score: 12.1799
Type of gen. func.: lgdogf

$$-\frac{3\,x^{2} - 8\,x + 4}{x^{3} - 4\,x^{2} + 4\,x - 1}$$

Sequence: A292291
Score: 17.3226
Type of gen. func.: ogf

$$-\frac{3\,x^{3}}{(x - 1)\,(x^{2} - 3\,x + 1)}$$

Sequence: A292291
Score: 6.04276
Type of gen. func.: ogf

{-a(n + 4) + 4 a(n + 3) - 4 a(n + 2) + a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0,

a(3) = 3}

Sequence: A292291
Score: 7.87389
Type of gen. func.: ogf

$$-f(x)\,(f(x)\,x^{3} - 4\,f(x)\,x^{2} + 3\,x^{3} + 4\,f(x)\,x - f(x))$$

Sequence: A292292
Score: 7.76108
Type of gen. func.: ogf

$$-\frac{x^{3}\,(10\,x^{2} - 9\,x + 1)}{(x - 1)\,(x^{2} - 8\,x + 1)\,(x^{2} - 3\,x + 1)}$$

Sequence: A292293
Score: 9.26410
Type of gen. func.: ogf

$$\frac{3\,x^{4}\,(4\,x - 1)}{(x - 1)\,(x^{2} - 8\,x + 1)\,(x^{2} - 3\,x + 1)}$$

Sequence: A292294
Score: 8.74944
Type of gen. func.: ogf

$$-\frac{3\,x^{4}\,(x + 1)}{(x - 1)\,(x^{2} - 8\,x + 1)\,(x^{2} - 3\,x + 1)}$$

Sequence: A292295
Score: 12.5226
Type of gen. func.: ogf

$$\frac{6\,x^{2}\,(2\,x - 1)}{}$$

$$(x - 1) (2 x^2 - 4 x + 1)$$

Sequence: A292295
Score: 5.92674
Type of gen. func.: ogf

{a(n + 4) - 5 a(n + 3) + 6 a(n + 2) - 2 a(n + 1), a(0) = 0, a(1) = 0, a(2) = 6,

a(3) = 18}

Sequence: A292295
Score: 6.93218
Type of gen. func.: ogf

$$(f(x) + 6) (2 f(x) x^3 - 6 f(x) x^2 - 12 x^3 + 5 f(x) x + 6 x^2 - f(x))$$

Sequence: A292295
Score: 9.24289
Type of gen. func.: lgdogf

$$- \frac{8 x^3 - 18 x^2 + 12 x - 3}{4 x^4 - 14 x^3 + 16 x^2 - 7 x + 1}$$

Sequence: A292296
Score: 11.7396
Type of gen. func.: lgdogf

$$- \frac{6 x^2 - 12 x + 5}{2 x^3 - 6 x^2 + 5 x - 1}$$

Sequence: A292296
Score: 16.9572
Type of gen. func.: ogf

$$- \frac{6 x^3}{2}$$

$$(x - 1) (2 x - 4 x + 1)$$

Sequence: A292296
Score: 5.91530
Type of gen. func.: ogf

$\{-a(n + 4) + 5 a(n + 3) - 6 a(n + 2) + 2 a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6\}$

Sequence: A292296
Score: 7.70783
Type of gen. func.: ogf

$$-f(x) (2 f(x) x^3 - 6 f(x) x^2 + 6 x^3 + 5 f(x) x - f(x))$$

Sequence: A292297
Score: 6.49102
Type of gen. func.: ogf

$$-\frac{6 x^3 (20 x^3 - 26 x^2 + 12 x - 1)}{(x - 1) (2 x^2 - 4 x + 1) (6 x^3 - 28 x^2 + 13 x - 1)}$$

Sequence: A292298
Score: 6.95132
Type of gen. func.: ogf

$$\frac{12 x^4 (12 x^2 - 9 x + 2)}{(x - 1) (2 x^2 - 4 x + 1) (6 x^3 - 28 x^2 + 13 x - 1)}$$

Sequence: A292299
Score: 7.08500
Type of gen. func.: ogf

$$-\frac{6 x^4 (6 x^2 + 2 x - 3)}{(x - 1) (2 x^2 - 4 x + 1) (6 x^3 - 28 x^2 + 13 x - 1)}$$

Sequence: A292301
Score: 13.5348
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 - x^4 - x - 1$$

Sequence: A292301
Score: 3.47697
Type of gen. func.: ogf

$$(5 f(x) - 2) (f(x) x^4 - f(x) x^3 + f(x) x^2 - f(x) x + x^2 + f(x) - 2 x + 1)$$

Sequence: A292301
Score: 6.50042
Type of gen. func.: ogf

$$- \frac{(x - 1)^2}{x^4 - x^3 + x^2 - x + 1}$$

Sequence: A292320
Score: 8.22694
Type of gen. func.: ogf

$$- \frac{x^6 - 2 x^3 + x^2 + 1}{x^9 + x^7 - 3 x^6 - 2 x^4 + 4 x^3 + x - 1}$$

Sequence: A292321
Score: 9.18045
Type of gen. func.: ogf

$$\frac{x (x^3 - x - 1)}{x^9 - 3 x^6 - x^5 + 4 x^3 + x^2 - 1}$$

Sequence: A292322
Score: 6.12589
Type of gen. func.: ogf

$$-\frac{x^6 - x^4 - 2x^3 + x^2 + x + 1}{x^9 + x^7 - 3x^6 - x^5 - 2x^4 + 4x^3 + x^2 + x - 1}$$

Sequence: A292323
Score: 6.48655
Type of gen. func.: ogf

$$-\frac{x^6 + x^4 - 2x^3 + x^2 - x + 1}{(x^3 + x - 1)(x^6 - 2x^3 + x^2 + 1)}$$

Sequence: A292324
Score: 8.62506
Type of gen. func.: ogf

$$-\frac{(x - 1)(x + 1)(x^2 - x + 1)(x^3 + x^2 + x + 2)}{(x^4 + x - 1)^2}$$

Sequence: A292325
Score: 8.60274
Type of gen. func.: ogf

$$-\frac{(x - 1)(x^4 + x^3 + x^2 + x + 2)(x^4 + 1)}{(x^2 - x + 1)^2 (x^3 + x^2 - 1)^2}$$

Sequence: A292326
Score: 3.89991
Type of gen. func.: ogf

{(-n - 11) a(n + 1) + (-n - 9) a(n + 2) + (-n - 7) a(n + 3) + (n + 5) a(n + 4),

a(0) = 3, a(1) = 9, a(2) = 25, a(3) = 63}

Sequence: A292326
Score: 6.01614
Type of gen. func.: ogf

$$-\frac{(x^2+x+1)(x^6+2x^5+3x^4-x^3-2x^2-3x+3)}{(x^3+x^2+x-1)^3}$$

Sequence: A292327
Score: 10.8827
Type of gen. func.: ogf

$$-\frac{(x+2)(2x-1)}{(x^2+2x-1)^2}$$

Sequence: A292327
Score: 5.82098
Type of gen. func.: ogf

$$(3 f(x) - 2)$$

$$(f(x) x^4 + 4 f(x) x^3 + 2 f(x) x^2 - 4 f(x) x + 2 x^2 + f(x) + 3 x - 2)$$

Sequence: A292327
Score: 9.38635
Type of gen. func.: lgdogf

$$-\frac{-4x^3-9x^2-2x+5}{-2x^4-7x^3-2x^2+7x-2}$$

Sequence: A292328
Score: 7.45621
Type of gen. func.: ogf

$$-\frac{3x^4+9x^3+x^2-9x+3}{}$$

$$(x^2 + 2 x - 1)^3$$

Sequence: A292329
Score: 14.5823
Type of gen. func.: ogf

$$- \frac{x^2}{(x^2 + 2 x - 1) (x^4 + x^3 - x^2 - x + 1)}$$

Sequence: A292329
Score: 8.98674
Type of gen. func.: lgdogf

$$- \frac{-6 x^5 - 15 x^4 + 12 x^2 - 3}{-x^6 - 3 x^5 + 4 x^3 - 3 x + 1}$$

Sequence: A292343
Score: 3.78406
Type of gen. func.: ogf

$$\{(318 n^2 + 2671 n + 5151) a(n + 1) + (-900 n^2 - 7006 n - 13446) a(n + 2)$$
$$+ (582 n^2 + 3279 n + 4599) a(n + 3), a(0) = 108, a(1) = 888, a(2) = 3268\}$$

Sequence: A292343
Score: 8.38189
Type of gen. func.: ogf

$$- \frac{4 (5 x^3 - 23 x^2 + 87 x + 27)}{(x - 1)^5}$$

Sequence: A292343
Score: 8.56611
Type of gen. func.: lgdogf

$$-\frac{-10 x^3 + 54 x^2 - 302 x - 222}{-5 x^4 + 28 x^3 - 110 x^2 + 60 x + 27}$$

Sequence: A292344
Score: 12.2229
Type of gen. func.: lgdogf

$$-\frac{-3 x^2 - 2 x + 53}{-3 x^3 + 5 x^2 + 15 x - 17}$$

Sequence: A292344
Score: 12.9989
Type of gen. func.: ogf

$$\frac{4 (3 x^2 - 2 x - 17)}{(x - 1)^3}$$

Sequence: A292344
Score: 6.88178
Type of gen. func.: ogf

$$(401 f(x) - 42348) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 12 x^2 - f(x) + 8 x + 68)$$

Sequence: A292344
Score: 6.99941
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 68, a(1) = 212, a(2) = 420\}$

Sequence: A292345
Score: 12.9395
Type of gen. func.: lgdogf

$$-x^2 + 2 x + 11$$

```
                              - ------------------
                                  3      2
                                -x  + 3 x  + x - 3



------------------------------------------------------------------------------

Sequence:  A292345
Score: 13.1416
Type of gen. func.: ogf

                               32 (x + 1) (x - 3)
                               ------------------
                                            3
                                    (x - 1)



------------------------------------------------------------------------------

Sequence:  A292345
Score: 7.12767
Type of gen. func.: ogf


                          3            2                   2
  (43 f(x) - 7728) (f(x) x  - 3 f(x) x  + 3 f(x) x - 32 x  - f(x) + 64 x + 96)



------------------------------------------------------------------------------

Sequence:  A292345
Score: 7.18859
Type of gen. func.: ogf


 {a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 96, a(1) = 352, a(2) = 736}



------------------------------------------------------------------------------

Sequence:  A292346
Score: 10.8501
Type of gen. func.: lgdogf


                                    2
                               -21 x  + 26 x + 187
                          - --------------------------
                                 3       2
                            -21 x  + 55 x  + 17 x - 51



------------------------------------------------------------------------------

Sequence:  A292346
Score: 11.8365
Type of gen. func.: ogf


                                    2
                             4 (21 x  - 34 x - 51)
                             ---------------------
                                          3
                                   (x - 1)
```

Sequence: A292346
Score: 6.30006
Type of gen. func.: ogf

$$(1501 f(x) - 656604) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 84 x^2 - f(x) + 136 x + 204)$$

Sequence: A292346
Score: 6.56476
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 204, a(1) = 748, a(2) = 1548\}$$

Sequence: A292347
Score: 10.2595
Type of gen. func.: lgdegf]

$$\frac{8 x}{(1 - 4 x)^{1/2} (1 + (1 - 4 x)^{1/2})^2}$$

Sequence: A292350
Score: 3.91475
Type of gen. func.: ogf

$$\{(-359 n^2 - 2670 n - 4936) a(n + 1) + (-362 n^2 - 6972 n - 19486) a(n + 2) + (721 n^2 + 3162 n + 3440) a(n + 3), a(0) = 0, a(1) = 9, a(2) = 116\}$$

Sequence: A292350
Score: 6.99062
Type of gen. func.: ogf

$$- \frac{x (11 x^3 + 47 x^2 + 53 x + 9)}{(x - 1)^7}$$

Sequence: A292350
Score: 8.69944
Type of gen. func.: lgdogf

$$-\frac{44 x^3 + 268 x^2 + 412 x + 116}{11 x^4 + 36 x^3 + 6 x^2 - 44 x - 9}$$

Sequence: A292360
Score: 5.45269
Type of gen. func.: ogf

$$-\frac{x (4 x^6 - 14 x^5 + 18 x^4 - 18 x^3 + 33 x^2 - 14 x - 1)}{(x - 1)^2 (x + 1)^2 (x^2 - 3 x + 1)^2}$$

Sequence: A292386
Score: 22.9840
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{1}{x^3 - 3 x^2 + 3 x - 1}$$

Sequence: A292387
Score: 19.7397
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{1}{-x^4 + 4 x^3 - 6 x^2 + 4 x - 1}$$

Sequence: A292397
Score: 5.28270
Type of gen. func.: ogf

$$-\frac{(x^2 + x + 1) (x^4 + x^3 - 2 x + 1)}{}$$

9 8 7 6 5 4 3 2

$$x + 3x + 7x + 6x + 2x - 7x - 3x - x + 4x - 1$$

Sequence: A292398
Score: 7.21169
Type of gen. func.: ogf

$$-\frac{x^4 + x^3 - x^2 - x + 1}{x^6 + 4x^5 + x^4 - 6x^3 - x^2 + 4x - 1}$$

Sequence: A292399
Score: 11.3005
Type of gen. func.: ogf

$$-\frac{(x + 1)(3x^2 + 3x - 2)}{(2x^2 + 2x - 1)^2}$$

Sequence: A292399
Score: 5.95218
Type of gen. func.: ogf

$$-(19352 f(x) - 21317)$$

$$(4 f(x) x^4 + 8 f(x) x^3 + 3x^3 - 4 f(x) x + 6x^2 + f(x) + x - 2)$$

Sequence: A292399
Score: 7.79735
Type of gen. func.: lgdogf

$$-\frac{6x^4 + 18x^3 + 15x^2 - 2x - 7}{6x^5 + 18x^4 + 11x^3 - 8x^2 - 5x + 2}$$

Sequence: A292400
Score: 10.0582
Type of gen. func.: ogf

2

$$-\frac{(x + 1) (x + 3 x - 2)}{(x^2 + 2 x - 1)^2}$$

Sequence: A292400
Score: 5.26856
Type of gen. func.: ogf

$-(1784 f(x) - 1133)$

$$(f(x) x^4 + 4 f(x) x^3 + 2 f(x) x^2 + x^3 - 4 f(x) x + 4 x^2 + f(x) + x - 2)$$

Sequence: A292400
Score: 8.06749
Type of gen. func.: lgdogf

$$-\frac{x^4 + 6 x^3 + 6 x^2 + 2 x - 7}{x^5 + 6 x^4 + 8 x^3 - 4 x^2 - 5 x + 2}$$

Sequence: A292401
Score: 8.23372
Type of gen. func.: ogf

$$-\frac{(x^2 + 1) (x^3 + 2 x^2 + x - 2)}{(x^3 + x^2 + x - 1)^2}$$

Sequence: A292402
Score: 11.4947
Type of gen. func.: ogf

$$-\frac{x (x + 1)^2 (x^2 - x + 1)^2}{(x^4 + x + 1) (x^4 + x - 1)}$$

Sequence: A292403
Score: 11.5754
Type of gen. func.: ogf

$$- \frac{x (x + 1)^2 (x^4 - x^3 + x^2 - x + 1)^2}{(x^6 + x - 1) (x^6 + x + 1)}$$

Sequence: A292404
Score: 7.21755
Type of gen. func.: ogf

$$- \frac{x^3 (x + 1)^4 (x^2 - x + 1)^4}{(x^4 + x + 1) (x^8 + 2 x^5 + x^2 + 1) (x^4 + x - 1)}$$

Sequence: A292412
Score: 12.7124
Type of gen. func.: ogf

$$\frac{x^3 - x^2 + x + 1}{(x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A292412
Score: 7.79537
Type of gen. func.: ogf

$$-(7 f(x) + 11) (f(x) x^4 - 3 f(x) x^2 - x^3 + x^2 + f(x) - x - 1)$$

Sequence: A292423
Score: 10.4896
Type of gen. func.: ogf

$$-f(x) x^2 - 82 f(x) x + f(x) - x$$

Sequence: A292423
Score: 12.5876
Type of gen. func.: lgdogf

$$-\frac{-2x-82}{-x^2-82x+1}$$

Sequence: A292423
Score: 16.5626
Type of gen. func.: ogf

$$-\frac{x}{x^2+82x-1}$$

Sequence: A292423
Score: 7.67534
Type of gen. func.: ogf

$$\{-a(n+2)+82\,a(n+1)+a(n),\ a(0)=0,\ a(1)=1\}$$

Sequence: A292440
Score: 10.8954
Type of gen. func.: ogf

$$-f(x)^2-f(x)\,x-x^2+f(x)$$

Sequence: A292440
Score: 4.52695
Type of gen. func.: ogf

$$\{(3n-3)\,a(n)+(2n+1)\,a(n+1)+(-n-2)\,a(n+2),\ a(0)=1,\ a(1)=-1,\ a(2)=-1\}$$

Sequence: A292440
Score: 9.73980
Type of gen. func.: lgdogf

$$1/x-\frac{I}{(x+1)^{1/2}\,x\,(3x-1)^{1/2}}$$

Sequence: A292443
Score: 5.21159
Type of gen. func.: ogf

$\{a(n+3) - 323\, a(n+2) + 323\, a(n+1) - a(n),\ a(0) = 0,\ a(1) = 10,\ a(2) = 3240\}$

Sequence: A292443
Score: 5.39286
Type of gen. func.: ogf

$$(162\, f(x) + 5)\,(f(x)\, x^3 - 323\, f(x)\, x^2 + 323\, f(x)\, x + 10\, x^2 - f(x) + 10\, x)$$

Sequence: A292443
Score: 7.56316
Type of gen. func.: lgdogf

$$-\frac{-2\, x^3 + 320\, x^2 + 646\, x - 324}{-x^4 + 322\, x^3 - 322\, x + 1}$$

Sequence: A292443
Score: 9.84411
Type of gen. func.: ogf

$$-\frac{10\, x\, (x + 1)}{(x - 1)\,(x^2 - 322\, x + 1)}$$

Sequence: A292460
Score: 9.76707
Type of gen. func.: ogf

$$-f(x)^2\, x^3 - f(x)\, x^2 - f(x)\, x + f(x) - 1$$

Sequence: A292461
Score: 8.99102
Type of gen. func.: ogf

$$f(x)\,x^2 + x^3 + f(x)^2 + f(x)\,x - f(x)$$

Sequence: A292465
Score: 10.5569
Type of gen. func.: ogf

$$-\frac{x\,(2\,x^3 - 2\,x^2 - 1)}{(x + 1)^2\,(x^2 - 3\,x + 1)^2}$$

Sequence: A292465
Score: 7.81214
Type of gen. func.: lgdogf

$$-\frac{-6\,x^5 + 12\,x^4 - 12\,x^3 + 12\,x^2 - 12\,x - 4}{-2\,x^6 + 6\,x^5 - 5\,x^3 - 2\,x + 1}$$

Sequence: A292478
Score: 7.60587
Type of gen. func.: ogf

$$\frac{x^4 - 2\,x^3 + 4\,x^2 - 2\,x + 1}{x^6 - 4\,x^5 + 8\,x^4 - 11\,x^3 + 8\,x^2 - 4\,x + 1}$$

Sequence: A292479
Score: 8.27542
Type of gen. func.: ogf

$$\frac{(x + 1)^2\,x}{(x^3 - 4\,x^2 + 2\,x - 1)\,(x^3 - 2\,x^2 + 4\,x - 1)}$$

Sequence: A292480
Score: 11.2782

Type of gen. func.: ogf

$$-\frac{(x+1)^2 x}{(3x-1)(2x^2-x+1)}$$

Sequence: A292480
Score: 5.55367
Type of gen. func.: ogf

{a(n + 4) - 4 a(n + 3) + 5 a(n + 2) - 6 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 6,

a(3) = 20}

Sequence: A292480
Score: 6.16038
Type of gen. func.: ogf

$$-(4 f(x) - 9) (6 f(x) x^3 - 5 f(x) x^2 + x^3 + 4 f(x) x + 2 x^2 - f(x) + x)$$

Sequence: A292480
Score: 8.94005
Type of gen. func.: lgdogf

$$-\frac{6x^3+18x^2-14x+6}{6x^4+x^3-x^2+3x-1}$$

Sequence: A292481
Score: 8.03242
Type of gen. func.: ogf

$$-\frac{x^2 (x+1)^3}{(3x-1)(3x^4-3x^3+6x^2-3x+1)}$$

Sequence: A292482
Score: 11.9108
Type of gen. func.: ogf

$$\frac{(x + 1)\,(x^2 - 5\,x + 2)}{(3\,x - 1)^2}$$

Sequence: A292482
Score: 6.20988
Type of gen. func.: ogf

{a(n + 4) - 6 a(n + 3) + 9 a(n + 2), a(0) = 2, a(1) = 9, a(2) = 32, a(3) = 112}

Sequence: A292482
Score: 6.8543
Type of gen. func.: ogf

$$-(27\,f(x) + 4)\,(9\,f(x)\,x^2 - x^3 - 6\,f(x)\,x + 4\,x^2 + f(x) + 3\,x - 2)$$

Sequence: A292482
Score: 8.86044
Type of gen. func.: lgdogf

$$-\frac{3\,x^3 - 3\,x^2 + 17\,x - 9}{-3\,x^4 + 13\,x^3 + 5\,x^2 - 9\,x + 2}$$

Sequence: A292483
Score: 8.63946
Type of gen. func.: ogf

$$-\frac{(x + 1)\,(x^4 - 7\,x^3 + 22\,x^2 - 15\,x + 3)}{(3\,x - 1)^3}$$

Sequence: A292484
Score: 11.4018
Type of gen. func.: ogf

$$(x + 1)\,(3\,x - 1)$$

$$\overline{x^4 - 7 x^3 + 4 x^2 - 3 x + 1}$$

Sequence: A292484
Score: 5.65987
Type of gen. func.: ogf

$$-(6875 f(x) + 1138)$$

$$(f(x) x^4 - 7 f(x) x^3 + 4 f(x) x^2 - 3 f(x) x - 3 x^2 + f(x) - 2 x + 1)$$

Sequence: A292485
Score: 5.24474
Type of gen. func.: ogf

$$-(55 f(x) + 14)$$

$$(2 f(x) x^4 + 7 f(x) x^3 - 5 f(x) x^2 + 3 x^3 + 5 f(x) x + 3 x^2 - f(x) + x + 1)$$

Sequence: A292485
Score: 9.74025
Type of gen. func.: ogf

$$-\frac{(x + 1) (3 x^2 + 1)}{(2 x^2 - x + 1) (x^2 + 4 x - 1)}$$

Sequence: A292486
Score: 5.08041
Type of gen. func.: ogf

$$(2757 f(x) + 554) ($$

$$3 f(x) x^4 + 9 f(x) x^3 - 4 f(x) x^2 + 4 x^3 + 5 f(x) x + 5 x^2 - f(x) + 2 x + 1$$

$$)$$

Sequence: A292486
Score: 9.36905
Type of gen. func.: ogf

$$-\frac{(x+1)(4x^2+x+1)}{3x^4+9x^3-4x^2+5x-1}$$

Sequence: A292487
Score: 5.10218
Type of gen. func.: ogf

$$-(1187 f(x)+189)(4 f(x) x^4+11 f(x) x^3-3 f(x) x^2+5 x^3+5 f(x) x+7 x^2 - f(x)+3 x+1)$$

Sequence: A292487
Score: 9.61564
Type of gen. func.: ogf

$$-\frac{(x+1)(5x^2+2x+1)}{4x^4+11x^3-3x^2+5x-1}$$

Sequence: A292488
Score: 4.88962
Type of gen. func.: ogf

$$(2443 f(x)+304)(5 f(x) x^4+13 f(x) x^3-2 f(x) x^2+6 x^3+5 f(x) x+9 x^2 - f(x)+4 x+1)$$

Sequence: A292488
Score: 8.96428
Type of gen. func.: ogf

$$-\frac{(x+1)(6x^2+3x+1)}{5x^4+13x^3-2x^2+5x-1}$$

Sequence: A292489
Score: 4.98631

Type of gen. func.: ogf

$$(1317 f(x) + 124) \left(6 f(x) x^4 + 15 f(x) x^3 - f(x) x^2 + 7 x^3 + 5 f(x) x + 11 x^2 - f(x) + 5 x + 1\right)$$

Sequence: A292489
Score: 9.08895
Type of gen. func.: ogf

$$- \frac{(x + 1) (7 x^2 + 4 x + 1)}{(2 x^2 + 5 x - 1) (3 x^2 + 1)}$$

Sequence: A292490
Score: 10.4222
Type of gen. func.: ogf

$$- \frac{(x + 1) (8 x^2 + 5 x + 1)}{7 x^4 + 17 x^3 + 5 x - 1}$$

Sequence: A292490
Score: 5.82659
Type of gen. func.: ogf

$$(14405 f(x) + 966) (7 f(x) x^4 + 17 f(x) x^3 + 8 x^3 + 5 f(x) x + 13 x^2 - f(x) + 6 x + 1)$$

Sequence: A292491
Score: 11.2731
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^2 + 4 x - 1)}{(3 x - 1) (3 x^2 + 1)}$$

Sequence: A292491
Score: 5.89277
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - 9 a(n + 1), a(0) = -1, a(1) = 0, a(2) = 8, a(3) = 16\}$$

Sequence: A292491
Score: 6.27295
Type of gen. func.: ogf

$$-(f(x) + 10) (9 f(x) x^3 - 3 f(x) x^2 + x^3 + 3 f(x) x + 5 x^2 - f(x) + 3 x - 1)$$

Sequence: A292491
Score: 7.33817
Type of gen. func.: lgdogf

$$- \frac{-48 x^4 - 48 x^3 + 48 x^2 - 16 x}{-9 x^6 - 42 x^5 - 15 x^4 + 4 x^3 - 7 x^2 + 6 x - 1}$$

Sequence: A292492
Score: 8.29419
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^4 - x^3 + 8 x^2 - 5 x + 1)}{(3 x - 1) (2 x^4 - 2 x^3 + 7 x^2 - 4 x + 1)}$$

Sequence: A292493
Score: 5.0792
Type of gen. func.: ogf

$$(114879 f(x) + 9160) (f(x) x^4 + 11 f(x) x^3 - 2 f(x) x^2 + 2 x^3 + 3 f(x) x + 7 x^2 - f(x) + 4 x - 1)$$

Sequence: A292493
Score: 9.50723
Type of gen. func.: ogf

$$-\frac{(x+1)(2x^2+5x-1)}{x^4+11x^3-2x^2+3x-1}$$

Sequence: A292494
Score: 6.99488
Type of gen. func.: ogf

$$-\frac{(x+1)(3x^4-3x^3+6x^2-3x+1)}{2x^6+6x^5-12x^4+23x^3-17x^2+7x-1}$$

Sequence: A292510
Score: 10.0180
Type of gen. func.: lgdogf

$$-\frac{2x^3-4x^2+2x-7}{-x^4+2x^3-4x^2-x+4}$$

Sequence: A292510
Score: 15.1216
Type of gen. func.: ogf

$$-\frac{x^3-x^2+3x+4}{x-1}$$

Sequence: A292510
Score: 8.34838
Type of gen. func.: ogf

$\{a(n+4)-a(n+3),\ a(0)=4,\ a(1)=7,\ a(2)=6,\ a(3)=7\}$

Sequence: A292510

Score: 8.80707
Type of gen. func.: ogf

$$-(146 f(x) + 339) (x^3 + f(x) x - x^2 - f(x) + 3 x + 4)$$

Sequence: A292521
Score: 11.1736
Type of gen. func.: ogf

$$-\frac{3 x^3 - x^2 + 2}{(x^2 - x + 1) (x^2 - x - 1)}$$

Sequence: A292521
Score: 6.58954
Type of gen. func.: ogf

$$(19 f(x) - 34) (f(x) x^4 - 2 f(x) x^3 + f(x) x^2 + 3 x^3 - x^2 - f(x) + 2)$$

Sequence: A292532
Score: 5.60045
Type of gen. func.: ogf

$$-\frac{x^2 (x + 1)^3}{(x^3 - 2 x^2 + 4 x - 1) (x^6 - 7 x^5 + 18 x^4 - 18 x^3 + 14 x^2 - 5 x + 1)}$$

Sequence: A292533
Score: 7.05678
Type of gen. func.: ogf

$$-\frac{(x + 1) (2 x^3 - 5 x^2 + 7 x - 2)}{(x^3 - 2 x^2 + 4 x - 1)^2}$$

Sequence: A292534
Score: 7.18789
Type of gen. func.: ogf

$$\frac{(x+1)(x^3-2x^2+4x-1)}{x^6-7x^5+16x^4-22x^3+12x^2-5x+1}$$

Sequence: A292535
Score: 7.40486
Type of gen. func.: ogf

$$-\frac{(x+1)(x^3-5x^2+x-1)}{(x^3-x^2+5x-1)(x^3-4x^2+2x-1)}$$

Sequence: A292536
Score: 6.75337
Type of gen. func.: ogf

$$-\frac{(x+1)(x^3-6x^2-1)}{x^6-5x^5+10x^4-26x^3+14x^2-7x+1}$$

Sequence: A292537
Score: 13.3478
Type of gen. func.: ogf

$$-\frac{4x^2+21x-16}{(4x-1)(x-1)}$$

Sequence: A292537
Score: 6.92575
Type of gen. func.: ogf

$\{a(n+3)-5a(n+2)+4a(n+1), a(0)=16, a(1)=59, a(2)=227\}$

Sequence: A292537
Score: 7.12748
Type of gen. func.: ogf

$$-(159 f(x) + 937) (4 f(x) x^2 - 5 f(x) x + 4 x^2 + f(x) + 21 x - 16)$$

Sequence: A292537
Score: 8.73964
Type of gen. func.: lgdogf

$$-\frac{104 x^2 - 136 x + 59}{16 x^4 + 64 x^3 - 165 x^2 + 101 x - 16}$$

Sequence: A292540
Score: 10.4944
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1), a(0) = 4, a(1) = 20\}$$

Sequence: A292540
Score: 17.0243
Type of gen. func.: ogf

$$-4 f(x) x + f(x) - 4 x - 4$$

Sequence: A292540
Score: 20.7052
Type of gen. func.: ogf

$$-\frac{4 (x + 1)}{4 x - 1}$$

Sequence: A292540
Score: 21.2804
Type of gen. func.: lgdogf

$$-\frac{5}{4 x^2 + 3 x - 1}$$

Sequence: A292542
Score: 15.8212
Type of gen. func.: ogf

$$-4 f(x) x + f(x) - 27 x - 3$$

Sequence: A292542
Score: 19.1519
Type of gen. func.: ogf

$$-\frac{3 (1 + 9 x)}{4 x - 1}$$

Sequence: A292542
Score: 19.1519
Type of gen. func.: lgdogf

$$\frac{13}{-36 x^2 + 5 x + 1}$$

Sequence: A292542
Score: 9.96949
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1), a(0) = 3, a(1) = 39\}$$

Sequence: A292543
Score: 10.4611
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1), a(0) = 0, a(1) = 96\}$$

Sequence: A292543
Score: 12.5533
Type of gen. func.: ogf

$$-f(x) (4 f(x) x - f(x) + 96 x)$$

Sequence: A292543
Score: 25.1066
Type of gen. func.: ogf

$$-\frac{96x}{4x-1}$$

Sequence: A292543
Score: 26.8999
Type of gen. func.: lgdogf

$$\frac{4}{1-4x}$$

Sequence: A292545
Score: 11.881
Type of gen. func.: ogf

$$f(x)\,(4 f(x) x + 4 x^2 - f(x) + 218 x)$$

Sequence: A292545
Score: 17.9597
Type of gen. func.: ogf

$$-\frac{2x(2x+109)}{4x-1}$$

Sequence: A292545
Score: 18.3873
Type of gen. func.: lgdogf

$$-\frac{438}{8x^2+434x-109}$$

Sequence: A292545
Score: 8.87662
Type of gen. func.: ogf

```
           {-a(n + 3) + 4 a(n + 2), a(0) = 0, a(1) = 218, a(2) = 876}


------------------------------------------------------------------------------

Sequence:  A292548
Score: 8.38617
Type of gen. func.: ogf_with_Euler_transform]


                             1/2 I                 4 x - 1
                  --------------------------- - -------------
                             1/2          1/2   2 (2 x - 1) x
                  x (1 + 2 x)    (2 x - 1)



------------------------------------------------------------------------------

Sequence:  A292549
Score: 7.31143
Type of gen. func.: ogf_with_Euler_transform]


                                                   2
                            1/2 I               4 x  + 2 x - 1
                 ---------------------------- - --------------
                          1/2  2          1/2                2
                 (2 x - 1)    x  (1 + 2 x)      2 (2 x - 1) x



------------------------------------------------------------------------------

Sequence:  A292551
Score: 7.93325
Type of gen. func.: ogf


                               4      3    2
                           x (x  - 7 x  - x  + 2 x - 1)
                         - ----------------------------
                                       3        4
                                (x + 1)  (x - 1)



------------------------------------------------------------------------------

Sequence:  A292551
Score: 8.45714
Type of gen. func.: lgdogf


                          5       4      3       2
                      -3 x  + 27 x  + 8 x  + 10 x  + 7 x - 1
                    - --------------------------------------
                          6      5      4      3
                        -x  + 7 x  + 2 x  - 9 x  + 2 x - 1



------------------------------------------------------------------------------

Sequence:  A292552
Score: 13.8809
Type of gen. func.: ogf


                                  2 (40 x - 49)
```

$$- \frac{}{(10 x - 1) (x - 1)}$$

Sequence: A292552
Score: 7.08506
Type of gen. func.: ogf

$$(4509 f(x) + 56120) (10 f(x) x^2 - 11 f(x) x + f(x) + 80 x - 98)$$

Sequence: A292552
Score: 7.81800
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 98, a(1) = 998\}$$

Sequence: A292552
Score: 8.83332
Type of gen. func.: lgdogf

$$- \frac{-400 x^2 + 980 x - 499}{-400 x^3 + 930 x^2 - 579 x + 49}$$

Sequence: A292563
Score: 11.0733
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1) (x^6 - x^3 + 1) (x^{18} - x^9 + 1) (x + 1)^2}{(x^2 + x + 1) (x^6 + x^3 + 1) (x^{18} + x^9 + 1) (x - 1)^2}$$

Sequence: A292563
Score: 13.4725
Type of gen. func.: lgdogf

$$- \frac{-54 x^{28} + 54 x^{26} + 2}{x^2 - 1}$$

Sequence: A292576
Score: 10.9883
Type of gen. func.: ogf

$$\frac{2 x^3 + x^2 - 2 x + 3}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A292612
Score: 13.3040
Type of gen. func.: ogf

$$\frac{3 x^2 - 11 x + 4}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A292612
Score: 6.76103
Type of gen. func.: ogf

$$-(1879 f(x) - 2291) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x - 3 x^2 + f(x) + 11 x - 4)$$

Sequence: A292612
Score: 7.36470
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 4, a(1) = -3, a(2) = 5\}$$

Sequence: A292612
Score: 8.00821
Type of gen. func.: lgdogf

$$- \frac{-3 x^4 + 22 x^3 - 40 x^2 + 22 x - 3}{-3 x^5 + 17 x^4 - 20 x^3 - 17 x^2 + 19 x - 4}$$

Sequence: A292616
Score: 13.3367
Type of gen. func.: ogf

$$-\frac{3x^3+6x^2-3x-4}{(x^2+x-1)(x^2-x-1)}$$

Sequence: A292616
Score: 8.10174
Type of gen. func.: ogf

$$-(11 f(x) - 17)(f(x) x^4 - 3 f(x) x^2 + 3x^3 + 6x^2 + f(x) - 3x - 4)$$

Sequence: A292653
Score: 7.48147
Type of gen. func.: ogf

$$\frac{3x^8+3x^7+2x^6+3x^5+2x^4+3x^3+2x^2+3x+2}{(x^6+x^3+1)(x^2+x+1)(x-1)^2}$$

Sequence: A292664
Score: 5.66477
Type of gen. func.: ogf

$$(x^{12}+2x^{11}+3x^{10}+2x^9+3x^8+2x^7+3x^6+3x^5+2x^4+3x^3+2x^2+3x+2) \Big/ ((x+1)(x^2+1)(x^2+x+1)(x^2-x+1)(x^4-x^2+1)(x-1)^2)$$

Sequence: A292665
Score: 5.59577
Type of gen. func.: ogf

$$(2x^{12}+x^{11}+2x^{10}+x^9+2x^8+x^7+2x^6+x^5+2x^4+x^3+2x^2+x+1)$$

$$\Big/ \quad {}^{12} \quad {}^{11} \quad {}^{10} \quad {}^{9} \quad {}^{8} \quad {}^{7} \quad {}^{6} \quad {}^{5} \quad {}^{4} \quad {}^{3} \quad {}^{2}$$

```
      /  ((x   + x   + x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1)
     /

          2
    (x - 1) )
```

Sequence: A292666
Score: 8.77578
Type of gen. func.: ogf

$$\frac{x^6 + 3 x^5 + 3 x^4 + 3 x^3 + 3 x^2 + 3 x + 3}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A292668
Score: 8.10145
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{4 (-4 x + 3 (1 - 4 x)^{1/2} + 1)}{(1 - 4 x)^{1/2} (1 + (1 - 4 x)^{1/2})^3}$$

Sequence: A292696
Score: 13.7923
Type of gen. func.: ogf

$$- \frac{6 x^2 - 8 x + 1}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A292696
Score: 7.44537
Type of gen. func.: ogf

$$(65 f(x) - 23) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + 6 x^2 + f(x) - 8 x + 1)$$

Sequence: A292696
Score: 7.51186
Type of gen. func.: ogf

$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + a(n), a(0) = -1, a(1) = 6, a(2) = 4\}$

Sequence: A292696
Score: 8.24831
Type of gen. func.: lgdogf

$$-\frac{6 x^{4} - 16 x^{3} + 31 x^{2} - 16 x + 6}{6 x^{5} - 20 x^{4} + 5 x^{3} + 20 x^{2} - 10 x + 1}$$

Sequence: A292730
Score: 4.51640
Type of gen. func.: ogf

$$x (1099900 x^{20} - 12197679 x^{19} - 90000 x^{11} + 11200000 x^{10} - 10000 x + 1232100) / ((x^{20} + 1110 x^{19} + 1111 x^{10} - 100 x + 12321) (x - 1)^{2})$$

Sequence: A292740
Score: 13.0813
Type of gen. func.: ogf

$$-\frac{2 x^{26} - 2 x^{25} + x - 2}{(x - 1)^{2}}$$

Sequence: A292751
Score: 16.7012
Type of gen. func.: revegf]

$$-x^{4} + x^{3} - x^{2} + x$$

Sequence: A292752
Score: 11.1020
Type of gen. func.: ogf

3 2

$$\frac{15 x - 47 x + 14 x - 1}{(x - 1) (9 x - 1) (5 x - 1)}$$

Sequence: A292752
Score: 6.12242
Type of gen. func.: ogf

$$\{-a(n + 4) + 15 a(n + 3) - 59 a(n + 2) + 45 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 16\}$$

Sequence: A292752
Score: 6.35611
Type of gen. func.: ogf

$$-(43 f(x) - 64) (45 f(x) x^3 - 59 f(x) x^2 - 15 x^3 + 15 f(x) x + 47 x^2 - f(x) - 14 x + 1)$$

Sequence: A292752
Score: 6.60833
Type of gen. func.: lgdogf

$$- \frac{1230 x^4 - 810 x^3 + 211 x^2 - 24 x + 1}{-675 x^6 + 3000 x^5 - 3628 x^4 + 1591 x^3 - 316 x^2 + 29 x - 1}$$

Sequence: A292833
Score: 12.9309
Type of gen. func.: ogf

$$- \frac{697 x^2 + 694 x + 1}{(x - 1) (x + 1)^2}$$

Sequence: A292833
Score: 6.27248
Type of gen. func.: ogf

$$(83198449 f(x) + 2479360010910)$$

$$(f(x) x^3 + f(x) x^2 - f(x) x + 697 x^2 - f(x) + 694 x + 1)$$

Sequence: A292833
Score: 7.37290
Type of gen. func.: ogf

$$\{a(n + 3) + a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 693, a(2) = 5\}$$

Sequence: A292833
Score: 8.75532
Type of gen. func.: lgdogf

$$-\frac{-697 x^3 - 691 x^2 - 703 x - 693}{-697 x^4 - 694 x^3 + 696 x^2 + 694 x + 1}$$

Sequence: A292837
Score: 23.8723
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{10}{-10 x + 1}$$

Sequence: A292838
Score: 13.7033
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4 x - 4}{16 x^3 - 4 x^2 - 4 x + 1}$$

Sequence: A292839
Score: 13.8524
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{5 x - 5}{25 x^3 - 5 x^2 - 5 x + 1}$$

Sequence: A292840
Score: 13.5876
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{6x-6}{36x^3-6x^2-6x+1}$$

Sequence: A292841
Score: 13.0370
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{7x-7}{49x^3-7x^2-7x+1}$$

Sequence: A292842
Score: 12.5957
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{8x-8}{64x^3-8x^2-8x+1}$$

Sequence: A292843
Score: 12.8683
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{9x-9}{81x^3-9x^2-9x+1}$$

Sequence: A292844
Score: 12.2269
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{10x-10}{100x^3-10x^2-10x+1}$$

Sequence: A292878
Score: 10.2995
Type of gen. func.: lgdogf

$$-\frac{-4x^4-4x^3+3x^2-2x-5}{-4x^5-9x^3-x^2-3x+1}$$

Sequence: A292878
Score: 14.8583
Type of gen. func.: ogf

$$-\frac{2x^2+x+1}{2x^3-x^2+4x-1}$$

Sequence: A292878
Score: 7.61647
Type of gen. func.: ogf

$$-(131 f(x) + 130) (2 f(x) x^3 - f(x) x^2 + 4 f(x) x + 2 x^2 - f(x) + x + 1)$$

Sequence: A292878
Score: 8.02087
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - a(n + 1) + 2 a(n), a(0) = 1, a(1) = 5, a(2) = 21\}$$

Sequence: A292880
Score: 7.24185
Type of gen. func.: lgdegf]

$$-\frac{-6x^5+52x^4-43x^3-498x^2-313x-32}{6x^5-28x^4-43x^3+42x^2+22x+1}$$

Sequence: A292893
Score: 7.40341
Type of gen. func.: lgdegf]

```
/exp(-x)
|------- - 1| (exp(x) x + exp(x))
 x + 1     /
```

Sequence: A292897
Score: 10.9888
Type of gen. func.: lgdegf]

```
   3    2
  x  + x  + 6 x + 7
- -----------------
     3
    x  + 2 x - 3
```

Sequence: A292935
Score: 23.2679
Type of gen. func.: lgdegf]

```
-exp(-x)
```

Sequence: A292952
Score: 15.5823
Type of gen. func.: lgdegf]

```
-exp(x) x - exp(x)
```

Sequence: A292988
Score: 5.00034
Type of gen. func.: ogf

```
        59        58        57       56       55        3        2
- (121 x   + 121 x   + 118 x   + 16 x   - 64 x   + 363 x  + 363 x  + 363 x

              /
     + 242)  /  (
            /

     59       58       57       56       55        5        4
    x   + 33 x   + 33 x   - 88 x   + 32 x   - 121 x  + 121 x  + 121 x - 121)
```

Sequence: A292998
Score: 3.68485

Type of gen. func.: ogf

$$\{(-n^2 - 7 n - 12) a(n + 1) + (n^2 + 11 n + 28) a(n + 2) + (-3 - n) a(n + 3),$$
$$a(0) = 1, a(1) = 10, a(2) = 87\}$$

Sequence: A292998
Score: 8.51500
Type of gen. func.: lgdegf]

$$- \frac{x^3 - 8 x^2 + 17 x + 10}{-x^3 + 5 x^2 - 3 x - 1}$$

Sequence: A293003
Score: 16.7369
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x}{x^4 + x^3 - x - 1}$$

Sequence: A293004
Score: 11.6434
Type of gen. func.: lgdogf

$$- \frac{-3 x^2 - 2 x + 3}{-x^3 - x^2 + 3 x - 1}$$

Sequence: A293004
Score: 16.5595
Type of gen. func.: ogf

$$\frac{2 x^2}{(x - 1) (x^2 + 2 x - 1)}$$

Sequence: A293004
Score: 6.77433
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - a(n + 1) - a(n), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A293004
Score: 6.96425
Type of gen. func.: ogf

$$-(f(x) - 2) (f(x) x^3 + f(x) x^2 - 3 f(x) x - 2 x^2 + f(x))$$

Sequence: A293005
Score: 10.3826
Type of gen. func.: lgdogf

$$- \frac{-4 x^3 - 6 x^2 + 4}{-2 x^4 - 2 x^3 + 3 x^2 + 2 x - 1}$$

Sequence: A293005
Score: 16.1036
Type of gen. func.: ogf

$$\frac{x (x + 1)}{(x - 1) (2 x^2 + 2 x - 1)}$$

Sequence: A293005
Score: 8.48471
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 2 a(n), a(0) = 0, a(1) = 1, a(2) = 4\}$$

Sequence: A293005
Score: 9.7417
Type of gen. func.: ogf

$$f(x) (2 f(x) x^3 - 3 f(x) x - x^2 + f(x) - x)$$

Sequence: A293006
Score: 10.1588
Type of gen. func.: lgdogf

$$-\frac{-4x^3-6x^2+4}{-2x^4-2x^3+3x^2+2x-1}$$

Sequence: A293006
Score: 14.5674
Type of gen. func.: ogf

$$\frac{2x^2(x+1)}{(x-1)(2x^2+2x-1)}$$

Sequence: A293006
Score: 6.89350
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) + 2 a(n + 1), a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 8}

Sequence: A293006
Score: 9.0832
Type of gen. func.: ogf

$$f(x)\,(2 f(x) x^3 - 2 x^3 - 3 f(x) x - 2 x^2 + f(x))$$

Sequence: A293007
Score: 15.3762
Type of gen. func.: lgdogf

$$-\frac{-4x-2}{-2x^2-2x+1}$$

Sequence: A293007
Score: 19.9476
Type of gen. func.: ogf

$$-\frac{2 x^{2}}{2 x^{2} + 2 x - 1}$$

Sequence: A293007
Score: 7.38060
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A293007
Score: 9.11185
Type of gen. func.: ogf

$$-f(x) (2 f(x) x^{2} + 2 f(x) x + 2 x^{2} - f(x))$$

Sequence: A293014
Score: 11.2481
Type of gen. func.: ogf

$$-\frac{x^{4}}{(x + 1) (x^{2} - x + 1) (x^{2} + x - 1)}$$

Sequence: A293014
Score: 5.86437
Type of gen. func.: ogf

$$f(x) x^{5} + f(x) x^{4} - f(x) x^{3} + x^{4} + f(x) x^{2} + f(x) x - f(x)$$

Sequence: A293025
Score: 10.9987
Type of gen. func.: lgdegf]

2   3   4

$$-\frac{x}{2} - \frac{x}{6} - \frac{x}{24} - x - 1 + \exp(x)$$

Sequence: A293037
Score: 24.9542
Type of gen. func.: lgdegf]

$$1 - \exp(x)$$

Sequence: A293038
Score: 21.1140
Type of gen. func.: lgdegf]

$$x + 1 - \exp(x)$$

Sequence: A293039
Score: 15.7522
Type of gen. func.: lgdegf]

$$\frac{x^2}{2} + x + 1 - \exp(x)$$

Sequence: A293040
Score: 12.3869
Type of gen. func.: lgdegf]

$$\frac{x^2}{2} + \frac{x^3}{6} + x + 1 - \exp(x)$$

Sequence: A293046
Score: 8.56342
Type of gen. func.: ogf

$$\frac{x^2 (x^3 - 3 x^2 + x - 1)}{(2 x - 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A293047
Score: 8.00852
Type of gen. func.: lgdogf

$$-\frac{6 x^4 - 18 x^3 + 38 x^2 - 14 x - 4}{2 x^5 - 5 x^4 + 6 x^3 + 2 x^2 - 8 x + 3}$$

Sequence: A293047
Score: 9.32756
Type of gen. func.: ogf

$$-\frac{x^3 (x^2 - 2 x + 3)}{(2 x - 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A293049
Score: 12.5849
Type of gen. func.: lgdegf]

$$-\frac{2 x^3 - 3 x^2}{x^2 - 2 x + 1}$$

Sequence: A293049
Score: 3.38825
Type of gen. func.: egf]

{(n + 5) a(n + 5) + (-2 n - 8) a(n + 4) + (n + 3) a(n + 3) - 3 a(n + 2)

+ 2 a(n + 1), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 1, a(4) = 1}

Sequence: A293050
Score: 12.0882
Type of gen. func.: lgdegf]

$$-\frac{3 x^4 - 4 x^3}{x^2 - 2 x + 1}$$

Sequence: A293050
Score: 4.17863
Type of gen. func.: egf]

$$-\frac{x^{12} - 9 x^{9} + 9 x^{8} + 36 x^{6} - 72 x^{5} + 36 x^{4} - 60 x^{3} + 180 x^{2} - 180 x + 60}{3 (x - 1) (x^{8} + 8 x^{5} - 8 x^{4} + 20 x^{2} - 40 x + 20)}$$

Sequence: A293064
Score: 12.2925
Type of gen. func.: lgdogf

$$-\frac{3 x^{2} - 8 x + 4}{x^{3} - 4 x^{2} + 4 x - 1}$$

Sequence: A293064
Score: 17.4827
Type of gen. func.: ogf

$$-\frac{x^{3}}{(x - 1) (x^{2} - 3 x + 1)}$$

Sequence: A293064
Score: 6.09863
Type of gen. func.: ogf

$\{-a(n + 4) + 4 a(n + 3) - 4 a(n + 2) + a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0,$

$a(3) = 1\}$

Sequence: A293064
Score: 9.71262
Type of gen. func.: ogf

$$-f(x) x^{3} + 4 f(x) x^{2} - x^{3} - 4 f(x) x + f(x)$$

Sequence: A293065
Score: 11.6044
Type of gen. func.: ogf

$$-\frac{x^3 (2 x - 1)}{(x^2 - 3 x + 1) (x - 1)^2}$$

Sequence: A293065
Score: 3.83111
Type of gen. func.: ogf

{(n - 1) a(n) + (-4 n + 5) a(n + 1) + (4 n - 7) a(n + 2) + (-n + 2) a(n + 3),

a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1, a(4) = 3, a(5) = 7}

Sequence: A293065
Score: 7.48318
Type of gen. func.: ogf

$$f(x) x^4 - 5 f(x) x^3 + 2 x^4 + 8 f(x) x^2 - x^3 - 5 f(x) x + f(x)$$

Sequence: A293065
Score: 9.64700
Type of gen. func.: lgdogf

$$-\frac{6 x^3 - 18 x^2 + 13 x - 3}{2 x^4 - 9 x^3 + 12 x^2 - 6 x + 1}$$

Sequence: A293066
Score: 11.4466
Type of gen. func.: ogf

$$-\frac{x^2 + 2 x - 1}{(x^2 - 3 x + 1) (x - 1)^2}$$

Sequence: A293066
Score: 3.98898
Type of gen. func.: ogf

$$\{(n + 3) a(n + 1) + (-4 n - 11) a(n + 2) + (4 n + 9) a(n + 3) + (-n - 2) a(n + 4), a(0) = 1, a(1) = 3, a(2) = 6, a(3) = 11\}$$

Sequence: A293066
Score: 5.8505
Type of gen. func.: ogf

$$-(79 f(x) - 32)$$

$$(f(x) x^4 - 5 f(x) x^3 + 8 f(x) x^2 - 5 f(x) x + x^2 + f(x) + 2 x - 1)$$

Sequence: A293066
Score: 7.97796
Type of gen. func.: lgdogf

$$-\frac{-2 x^4 - 3 x^3 + 21 x^2 - 15 x + 3}{-x^5 + 2 x^4 + 5 x^3 - 11 x^2 + 6 x - 1}$$

Sequence: A293067
Score: 12.0724
Type of gen. func.: ogf

$$\frac{2 x^2 (2 x - 1)}{(x - 1) (2 x^2 - 4 x + 1)}$$

Sequence: A293067
Score: 5.66474
Type of gen. func.: ogf

$$\{a(n + 4) - 5 a(n + 3) + 6 a(n + 2) - 2 a(n + 1), a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 6\}$$

Sequence: A293067
Score: 6.63439
Type of gen. func.: ogf

$$(f(x) + 2) (2 f(x) x^{3} - 6 f(x) x^{2} - 4 x^{3} + 5 f(x) x + 2 x^{2} - f(x))$$

Sequence: A293067
Score: 8.76686
Type of gen. func.: lgdogf

$$- \frac{8 x^{3} - 18 x^{2} + 12 x - 3}{4 x^{4} - 14 x^{3} + 16 x^{2} - 7 x + 1}$$

Sequence: A293068
Score: 7.91754
Type of gen. func.: ogf

$$- \frac{2 x^{3} (28 x^{2} - 18 x + 3)}{(2 x - 1) (7 x^{2} - 6 x + 1) (2 x^{2} - 4 x + 1)}$$

Sequence: A293069
Score: 6.89213
Type of gen. func.: ogf

$$\frac{2 x^{4} (14 x^{2} - 17 x + 4)}{(2 x - 1) (x - 1) (7 x^{2} - 6 x + 1) (2 x^{2} - 4 x + 1)}$$

Sequence: A293070
Score: 12.2050
Type of gen. func.: ogf

$$- \frac{(4 x - 1) (x - 1)}{(7 x^{2} - 6 x + 1) (2 x - 1)}$$

Sequence: A293070
Score: 6.46144
Type of gen. func.: ogf

$$-(29 f(x) + 16) (14 f(x) x^3 - 19 f(x) x^2 + 8 f(x) x + 4 x^2 - f(x) - 5 x + 1)$$

Sequence: A293070
Score: 6.74484
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 19 a(n + 1) - 14 a(n), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A293070
Score: 7.05424
Type of gen. func.: lgdogf

$$-\frac{-56 x^4 + 140 x^3 - 105 x^2 + 30 x - 3}{-56 x^5 + 146 x^4 - 141 x^3 + 63 x^2 - 13 x + 1}$$

Sequence: A293073
Score: 6.58880
Type of gen. func.: lgdegf]

$$-\frac{-16 x^4 + 16 x^3 - 4 x^2 + 12 x - 7}{-16 x^4 + 24 x^3 - 8 x^2 - 2 x + 1}$$

Sequence: A293110
Score: 8.73953
Type of gen. func.: egf]_with_Euler_transform]

$$x \exp\left(\frac{x (x + 2)}{2}\right) + \exp\left(\frac{x (x + 2)}{2}\right)$$

Sequence: A293116
Score: 21.1646
Type of gen. func.: lgdegf]

$$\frac{1}{-x^2 + 2 x - 1}$$

Sequence: A293116
Score: 5.73954
Type of gen. func.: ogf

$$\{(-n^2 - n) a(n) + (2 n + 1) a(n + 1) - a(n + 2), a(0) = 1, a(1) = -1\}$$

Sequence: A293117
Score: 13.3861
Type of gen. func.: lgdegf]

$$-\frac{-x^2 + 2 x}{x^2 - 2 x + 1}$$

Sequence: A293117
Score: 3.55142
Type of gen. func.: ogf

$$\{(-n^2 - 5 n - 6) a(n + 1) + (n^2 + 7 n + 12) a(n + 2) + (-6 - 2 n) a(n + 3) + a(n + 4), a(0) = 1, a(1) = 0, a(2) = -2, a(3) = -6\}$$

Sequence: A293118
Score: 12.5979
Type of gen. func.: lgdegf]

$$-\frac{-2 x^3 + 3 x^2}{x^2 - 2 x + 1}$$

Sequence: A293118
Score: 3.39175
Type of gen. func.: egf]

$$\{(n + 5) a(n + 5) + (-2 n - 8) a(n + 4) + (n + 3) a(n + 3) + 3 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = -1, a(4) = -1\}$$

Sequence: A293120
Score: 12.2366
Type of gen. func.: lgdegf]

$$- \frac{x^2 + 2 x}{-x^2 - 2 x - 1}$$

Sequence: A293120
Score: 3.33144
Type of gen. func.: ogf

$$\{(-n^2 - 5 n - 6) a(n + 1) + (n^2 + 3 n) a(n + 2) + (2 n + 6) a(n + 3) + a(n + 4), a(0) = 1, a(1) = 0, a(2) = 2, a(3) = -6\}$$

Sequence: A293121
Score: 12.5979
Type of gen. func.: lgdegf]

$$- \frac{-2 x^3 - 3 x^2}{x^2 + 2 x + 1}$$

Sequence: A293121
Score: 3.39175
Type of gen. func.: egf]

$$\{(-n - 5) a(n + 5) + (-2 n - 8) a(n + 4) + (-3 - n) a(n + 3) + 3 a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 1, a(4) = -1\}$$

Sequence: A293122
Score: 13.3861
Type of gen. func.: lgdegf]

2

$$-\frac{-x^2 - 2x}{-x^2 - 2x - 1}$$

Sequence: A293122
Score: 3.55142
Type of gen. func.: ogf

$$\{(-n^2 - 5n - 6)\, a(n+1) + (-n^2 - 7n - 12)\, a(n+2) + (-6 - 2n)\, a(n+3) - a(n+4),\ a(0) = 1,\ a(1) = 0,\ a(2) = -2,\ a(3) = 6\}$$

Sequence: A293123
Score: 12.5849
Type of gen. func.: lgdegf]

$$-\frac{2x^3 + 3x^2}{x^2 + 2x + 1}$$

Sequence: A293123
Score: 3.38825
Type of gen. func.: egf]

$$\{(-n - 5)\, a(n+5) + (-2n - 8)\, a(n+4) + (-3 - n)\, a(n+3) - 3\, a(n+2) - 2\, a(n+1),\ a(0) = 1,\ a(1) = 0,\ a(2) = 0,\ a(3) = -1,\ a(4) = 1\}$$

Sequence: A293125
Score: 18.1826
Type of gen. func.: lgdegf]

$$-\frac{1}{x^2 + 2x + 1}$$

Sequence: A293125
Score: 5.54722
Type of gen. func.: ogf

2

$\{(-n - n) a(n) + (-2 n - 3) a(n + 1) - a(n + 2), a(0) = 1, a(1) = -1\}$

Sequence: A293126
Score: 10.7385
Type of gen. func.: ogf

$$-\frac{3 (6 x^2 - 8 x + 1)}{4 x^3 - 18 x^2 + 12 x - 1}$$

Sequence: A293126
Score: 5.96585
Type of gen. func.: ogf

$\{-a(n + 3) + 12 a(n + 2) - 18 a(n + 1) + 4 a(n), a(0) = 3, a(1) = 12,$

$a(2) = 108\}$

Sequence: A293126
Score: 6.01729
Type of gen. func.: ogf

$$(29 f(x) + 9) (4 f(x) x^3 - 18 f(x) x^2 + 12 f(x) x + 18 x^2 - f(x) - 24 x + 3)$$

Sequence: A293126
Score: 6.46301
Type of gen. func.: lgdogf

$$-\frac{-24 x^4 + 64 x^3 - 84 x^2 + 24 x - 4}{-24 x^5 + 140 x^4 - 220 x^3 + 120 x^2 - 20 x + 1}$$

Sequence: A293132
Score: 16.6122
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2 x^6 + 2 x^5 - 2 x^4 - x^3 - 2 x^2 + 2 x - 2}{x^8 - 1}$$

Sequence: A293143
Score: 5.16764
Type of gen. func.: ogf

$$(263 f(x) + 964) (24 f(x) x^3 - 35 f(x) x^2 + 12 f(x) x + 44 x^2 - f(x) - 32 x + 4)$$

Sequence: A293143
Score: 5.30014
Type of gen. func.: ogf

$$\{-a(n + 3) + 12 a(n + 2) - 35 a(n + 1) + 24 a(n), a(0) = 4, a(1) = 16, a(2) = 96\}$$

Sequence: A293143
Score: 9.39570
Type of gen. func.: ogf

$$- \frac{4 (11 x^2 - 8 x + 1)}{(x - 1) (3 x - 1) (8 x - 1)}$$

Sequence: A293144
Score: 3.6279
Type of gen. func.: ogf

$$(1756119 f(x) + 9394232) (480 f(x) x^4 - 724 f(x) x^3 + 275 f(x) x^2 + 1248 x^3 - 32 f(x) x - 1048 x^2 + f(x) + 192 x - 8)$$

Sequence: A293144
Score: 6.46711
Type of gen. func.: ogf

$$- \frac{8 (156 x^3 - 131 x^2 + 24 x - 1)}{(x - 1) (3 x - 1) (20 x - 1) (8 x - 1)}$$

Sequence: A293156
Score: 14.5871
Type of gen. func.: ogf

$$\frac{5 x^{3} + 9 x^{2} + 9 x - 15}{3 x - 1}$$

Sequence: A293156
Score: 7.79907
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 3), a(0) = 15, a(1) = 36, a(2) = 99, a(3) = 292\}$$

Sequence: A293156
Score: 8.03781
Type of gen. func.: ogf

$$-(257905 f(x) - 547494) (-5 x^{3} + 3 f(x) x - 9 x^{2} - f(x) - 9 x + 15)$$

Sequence: A293156
Score: 8.85063
Type of gen. func.: lgdogf

$$- \frac{30 x^{3} + 12 x^{2} - 18 x + 36}{-15 x^{4} - 22 x^{3} - 18 x^{2} + 54 x - 15}$$

Sequence: A293169
Score: 7.52894
Type of gen. func.: ogf

$$\frac{(x - 1)^{5}}{x^{7} - x^{6} + 6 x^{5} - 15 x^{4} + 20 x^{3} - 15 x^{2} + 6 x - 1}$$

Sequence: A293193
Score: 4.54774
Type of gen. func.: egf]

$$f(x)^3 x^4 - 2 f(x)^2 x^4 + 11 f(x)^3 x^2 + f(x) x^4 - 22 f(x)^2 x^2 - f(x)^3 + 16 f(x) x^2 + 2 f(x)^2 - 4 x^2 - f(x)$$

Sequence: A293239
Score: 6.81046
Type of gen. func.: ogf

$$\frac{x^{13} - x^{12} - x^9 + x^8 - x^6 - x^3 - x^2 - 1}{(x^2 + 1) (x + 1) (x - 1)^3}$$

Sequence: A293263
Score: 4.48494
Type of gen. func.: ogf

$$\frac{x^8 + x^7 - 14 x^6 - 5 x^5 + 30 x^4 - 17 x^3 - 10 x^2 + 5 x + 1}{(x - 1) (x^2 + 2 x - 1) (2 x^5 + 3 x^4 - 7 x^3 + 12 x^2 - 7 x + 1)}$$

Sequence: A293292
Score: 10.9138
Type of gen. func.: ogf

$$\frac{x (6 x^4 + x^3 + x^2 + x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A293296
Score: 8.54596
Type of gen. func.: ogf

$$- \frac{x (3 x^4 + 3 x^3 + 4 x^2 + 4 x + 2)}{(x^2 + 1) (x + 1) (x - 1)^3}$$

Sequence: A293297
Score: 19.6131
Type of gen. func.: lgdegf]

$$\ln(x + 1) + 2$$

Sequence: A293300
Score: 5.16747
Type of gen. func.: egf]

$$\frac{x^{10} + x^9 + x^8 + x^7 - x^6 - x^5 - x^4 - x^3 + 1}{(x + 1) (x^2 + 1) (x^7 - x^6 + 1)}$$

Sequence: A293306
Score: 13.0365
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^2 + 1}{-x^4 - x^3 + x + 1}$$

Sequence: A293309
Score: 3.34353
Type of gen. func.: ogf

$$- (x^8 + 112 x^7 + 1983 x^6 + 9684 x^5 + 16120 x^4 + 9684 x^3 + 1983 x^2 + 112 x + 1) \Big/ (x - 1)^{11}$$

Sequence: A293310
Score: 3.27801
Type of gen. func.: ogf

$$\frac{x^8 + 67 x^7 + 811 x^6 + 3049 x^5 + 4609 x^4 + 3049 x^3 + 811 x^2 + 67 x + 1}{(x + 1) (x - 1)^{10}}$$

Sequence: A293316
Score: 4.46876
Type of gen. func.: ogf

$$(x^{18} + x^{15} - x^{13} - x^{11} - x^{10} - x^{9} - x^{8} - x^{7} - 2 x^{6} - x^{5} - x^{4} - 2 x^{3} - x^{2} - x - 1) / ((x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + x - 1) (x^{2} + 1) (x^{4} - x^{2} + 1) (x - 1)^{2})$$

Sequence: A293344
Score: 7.82082
Type of gen. func.: ogf

$$- \frac{10 x^{9} + 8 x^{7} - 10 x^{4} - 3 x^{2} - 1}{x^{10} + x^{8} - 2 x^{5} - x^{3} - x + 1}$$

Sequence: A293387
Score: 14.5500
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-2 x^{2} - 2}{-x^{4} - x^{3} + x + 1}$$

Sequence: A293389
Score: 13.0474
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^{2} + 2}{-x^{4} - x^{3} + x + 1}$$

Sequence: A293411
Score: 13.0327

Type of gen. func.: ogf

$$-\frac{x^2 + x + 1}{(x^2 + 1)(x^2 + x - 1)}$$

Sequence: A293411
Score: 7.03534
Type of gen. func.: ogf

$$(16 f(x) - 11)(f(x) x^4 + f(x) x^3 + f(x) x + x^2 - f(x) + x + 1)$$

Sequence: A293411
Score: 7.94993
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 4 x^4 + 6 x^3 + 2 x^2 + 2 x + 2}{x^6 + 2 x^5 + 2 x^4 + 2 x^3 - 1}$$

Sequence: A293423
Score: 12.5357
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3 x^4 - 3 x^3 + 2 x^2 - 3 x - 3}{-x^6 + 1}$$

Sequence: A293475
Score: 16.0702
Type of gen. func.: lgdogf

$$-\frac{40 x + 50}{8 x^2 - x - 7}$$

Sequence: A293475
Score: 5.25169

Type of gen. func.: ogf

$\{(14 + 7 n) a(n + 3) + (-49 + n) a(n + 2) + (-40 - 8 n) a(n + 1), a(0) = 0, a(1) = 7, a(2) = 50\}$

Sequence: A293475
Score: 9.56558
Type of gen. func.: ogf

$$\frac{x (8 x + 7)}{(x - 1)^6}$$

Sequence: A293476
Score: 11.8281
Type of gen. func.: lgdogf

$$-\frac{12 x^2 + 32 x + 12}{2 x^3 + 2 x^2 - 3 x - 1}$$

Sequence: A293476
Score: 3.90384
Type of gen. func.: ogf

$\{(n + 3) a(n + 4) + (-6 + 3 n) a(n + 3) + (-34 - 2 n) a(n + 2) + (-2 n - 12) a(n + 1), a(0) = 0, a(1) = 15, a(2) = 180, a(3) = 1050\}$

Sequence: A293476
Score: 7.01310
Type of gen. func.: ogf

$$\frac{15 x (2 x^2 + 4 x + 1)}{(x - 1)^8}$$

Sequence: A293481
Score: 10.2150
Type of gen. func.: ogf

$$\frac{x^5 + x^4 + x^3 + x^2 + x + 5}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A293487
Score: 4.36086
Type of gen. func.: egf]

$$\frac{(x + 1) (x^2 + 1) (2 x^9 - 3 x^8 + 2 x^6 - x^5 + x^4 - x^3 + x^2 + x - 1)}{x^{12} - 2 x^{10} - x^8 - x^7 + x^6 - x^5 + x^4 + x^3 + x - 1}$$

Sequence: A293490
Score: 11.7116
Type of gen. func.: lgdogf

$$\frac{2 (-24 x + 5 + (1 - 4 x)^{1/2})}{(16 x - 3) (4 x - 1)}$$

Sequence: A293490
Score: 4.63452
Type of gen. func.: ogf

$$\{(-64 n^2 - 256 n - 252) a(n + 1) + (28 n^2 + 126 n + 140) a(n + 2)$$

$$+ (-3 n^2 - 15 n - 18) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 18\}$$

Sequence: A293493
Score: 13.4938
Type of gen. func.: lgdegf]

$$- \frac{2 x^3 + 1}{-x^6 + 2 x^3 - 1}$$

Sequence: A293494
Score: 13.2698
Type of gen. func.: lgdegf]

$$-\frac{-x^4 - 2x}{x^6 - 2x^3 + 1}$$

Sequence: A293498
Score: 3.72183
Type of gen. func.: ogf

$$-\frac{5x^7 - 41x^6 + 101x^5 - 129x^4 + 96x^3 - 42x^2 + 10x - 1}{7x^8 - 66x^7 + 197x^6 - 311x^5 + 294x^4 - 172x^3 + 61x^2 - 12x + 1}$$

Sequence: A293499
Score: 5.70084
Type of gen. func.: ogf

$$-\frac{x^4 - 9x^3 + 12x^2 - 6x + 1}{(x - 1)(x^4 - 13x^3 + 16x^2 - 7x + 1)}$$

Sequence: A293505
Score: 9.17471
Type of gen. func.: ogf

$$-\frac{x^3 (x^2 - x - 1)}{(x - 1)(x + 1)(x^2 + x + 1)(x^2 - x + 1)(x^2 + x - 1)}$$

Sequence: A293507
Score: 13.1579
Type of gen. func.: lgdegf]

$$-\frac{3x^4 + 1}{-x^8 + 2x^4 - 1}$$

Sequence: A293532
Score: 12.4746
Type of gen. func.: lgdegf]

$$-\frac{-x^2 - 1}{-x^4 + 2 x^2 - 1}$$

Sequence: A293532
Score: 3.67671
Type of gen. func.: egf]

{(n + 4) a(n + 4) + a(n + 3) + (-2 n - 4) a(n + 2) + a(n + 1) + n a(n),

a(0) = 1, a(1) = -1, a(2) = 1/2, a(3) = -7/6}

Sequence: A293533
Score: 9.81860
Type of gen. func.: lgdegf]

$$-\frac{-x^4 - 2 x^3 - 2 x - 1}{-x^6 + 2 x^3 - 1}$$

Sequence: A293543
Score: 8.19999
Type of gen. func.: ogf

$$-\frac{x (x^8 + x^7 + x^3 + x^2 - 1)}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x - 1) (x^4 + 1)}$$

Sequence: A293544
Score: 13.9671
Type of gen. func.: ogf

```
                     3
                    x
      - ---------------------
          2            4
```

$$(x + x - 1) (x + 1)$$

Sequence: A293544
Score: 8.29296
Type of gen. func.: lgdogf

$$-\frac{-6 x^5 - 5 x^4 + 4 x^3 - 2 x - 1}{-x^6 - x^5 + x^4 - x^2 - x + 1}$$

Sequence: A293545
Score: 9.19756
Type of gen. func.: ogf

$$\frac{x^3 (x^2 + x + 1) (x^3 - x^2 + 1)}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x - 1) (x^4 + 1)}$$

Sequence: A293546
Score: 8.14712
Type of gen. func.: ogf

$$-\frac{x (x^2 + x + 1) (x^6 + x - 1)}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x - 1) (x^4 + 1)}$$

Sequence: A293547
Score: 9.85701
Type of gen. func.: ogf

$$-\frac{x (x^4 - x^2 + 1)}{(x^2 + x - 1) (x^4 + 1)}$$

Sequence: A293550
Score: 3.39793
Type of gen. func.: ogf

$$\{(4 n^2 + 18 n + 20) a(n + 1) + (31 n^2 + 235 n + 464) a(n + 2) + (172 + 20 n) a(n + 3) + (-2 n^2 - 22 n - 48) a(n + 4), a(0) = 0, a(1) = 1, a(2) = 11, a(3) = 69\}$$

Sequence: A293552
Score: 8.49178
Type of gen. func.: ogf

$$- \frac{x (x^6 + x^5 + x^3 + x^2 - 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A293553
Score: 14.2530
Type of gen. func.: ogf

$$\frac{x^4}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A293553
Score: 8.46270
Type of gen. func.: lgdogf

$$- \frac{8 x^7 + 7 x^6 - 6 x^5 - 2 x - 1}{x^8 + x^7 - x^6 - x^2 - x + 1}$$

Sequence: A293561
Score: 10.1363
Type of gen. func.: ogf

$$\frac{5 x - 3}{(3 x - 1) (2 x - 1) (x - 1)^3}$$

Sequence: A293561
Score: 8.01993
Type of gen. func.: lgdogf

$$-\frac{120 x^3 - 195 x^2 + 106 x - 19}{30 x^4 - 73 x^3 + 63 x^2 - 23 x + 3}$$

Sequence: A293562
Score: 4.92126
Type of gen. func.: ogf

$$\frac{102 x^4 - 141 x^3 + 48 x^2 + 7 x - 4}{(4 x - 1) (3 x - 1)^2 (2 x - 1)^2 (x - 1)^4}$$

Sequence: A293565
Score: 11.8122
Type of gen. func.: lgdegf]

$$-\frac{-2 x^3 - 1}{-x^6 + 2 x^3 - 1}$$

Sequence: A293566
Score: 11.7018
Type of gen. func.: lgdegf]

$$-\frac{-3 x^4 - 1}{-x^8 + 2 x^4 - 1}$$

Sequence: A293567
Score: 11.7018
Type of gen. func.: lgdegf]

$$-\frac{x^4 + 2 x}{x^6 - 2 x^3 + 1}$$

Sequence: A293571
Score: 9.77315
Type of gen. func.: lgdegf]

$$-\frac{-x^2 + 1}{-x^4 - 2 x^3 - 3 x^2 - 2 x - 1}$$

Sequence: A293572
Score: 7.25723
Type of gen. func.: lgdegf]

$$-\frac{2 x^3 + x^2 - 1}{x^6 + 2 x^5 + 3 x^4 + 4 x^3 + 3 x^2 + 2 x + 1}$$

Sequence: A293579
Score: 14.2994
Type of gen. func.: ogf

$$\frac{2 x - 3}{(2 x - 1) (2 x^2 - 4 x + 1)}$$

Sequence: A293579
Score: 6.71451
Type of gen. func.: ogf

$$-(18463 f(x) - 4270) (4 f(x) x^3 - 10 f(x) x^2 + 6 f(x) x - f(x) - 2 x + 3)$$

Sequence: A293579
Score: 6.71452
Type of gen. func.: ogf

{-a(n + 3) + 6 a(n + 2) - 10 a(n + 1) + 4 a(n), a(0) = 3, a(1) = 16, a(2) = 66}

Sequence: A293579
Score: 8.87552
Type of gen. func.: lgdogf

$$-\frac{16 x^3 - 56 x^2 + 60 x - 16}{8 x^4 - 32 x^3 + 42 x^2 - 20 x + 3}$$

Sequence: A293580
Score: 7.09121
Type of gen. func.: ogf

$$-\frac{4 x^3 - 16 x^2 + 24 x - 13}{(2 x - 1) (2 x^2 - 4 x + 1) (2 x^3 - 6 x^2 + 6 x - 1)}$$

Sequence: A293589
Score: 10.2365
Type of gen. func.: lgdegf]

$$-\frac{x^2 + 2 x}{-x^4 - 2 x^3 - 3 x^2 - 2 x - 1}$$

Sequence: A293590
Score: 10.6803
Type of gen. func.: lgdegf]

$$\frac{x^2 (x^2 + 2 x + 3)}{(x + 1)^2 (x^2 + 1)^2}$$

Sequence: A293604
Score: 5.82592
Type of gen. func.: ogf

$\{(-2 n - 4) a(n + 1) - a(n + 3) + a(n + 2), a(0) = 1, a(1) = 1, a(2) = -1\}$

Sequence: A293608
Score: 15.9337
Type of gen. func.: lgdogf

$$-\frac{24 x + 39}{4 x^2 + x - 5}$$

Sequence: A293608
Score: 5.13991
Type of gen. func.: ogf

{(10 + 5 n) a(n + 3) + (-40 - n) a(n + 2) + (-24 - 4 n) a(n + 1), a(0) = 0,

a(1) = 50, a(2) = 390}

Sequence: A293608
Score: 8.38617
Type of gen. func.: ogf

$$-\frac{10 x (4 x + 5)}{(x - 1)^7}$$

Sequence: A293610
Score: 10.6632
Type of gen. func.: lgdogf

$$-\frac{216 x^2 + 478 x + 146}{36 x^3 + 22 x^2 - 47 x - 11}$$

Sequence: A293610
Score: 3.75751
Type of gen. func.: ogf

{(-33 - 11 n) a(n + 4) + (52 - 47 n) a(n + 3) + (500 + 22 n) a(n + 2)

+ (216 + 36 n) a(n + 1), a(0) = 0, a(1) = 11, a(2) = 146, a(3) = 896}

Sequence: A293610
Score: 6.98299

Type of gen. func.: ogf

$$\frac{x\,(36\,x^{2} + 58\,x + 11)}{(x - 1)^{8}}$$

Sequence: A293611
Score: 15.6671
Type of gen. func.: lgdogf

$$-\frac{84\,x + 91}{14\,x^{2} - 3\,x - 11}$$

Sequence: A293611
Score: 5.22235
Type of gen. func.: ogf

$\{(22 + 11\,n)\,a(n + 3) + (-88 + 3\,n)\,a(n + 2) + (-84 - 14\,n)\,a(n + 1),\ a(0) = 0,$

$a(1) = 11,\ a(2) = 91\}$

Sequence: A293611
Score: 8.57565
Type of gen. func.: ogf

$$-\frac{x\,(14\,x + 11)}{(x - 1)^{7}}$$

Sequence: A293612
Score: 3.78237
Type of gen. func.: ogf

$\{(-3721\,n^{2} - 42535\,n - 115416)\,a(n + 1) + (1412\,n^{2} - 21860\,n - 95596)\,a(n + 2)$

$+ (2309\,n^{2} + 10125\,n + 11014)\,a(n + 3),\ a(0) = 0,\ a(1) = 26,\ a(2) = 588\}$

Sequence: A293612
Score: 5.26025

Type of gen. func.: ogf

$$\frac{2 x (120 x^3 + 333 x^2 + 164 x + 13)}{(x - 1)^{10}}$$

Sequence: A293612
Score: 8.02320
Type of gen. func.: lgdogf

$$-\frac{840 x^3 + 3024 x^2 + 2142 x + 294}{120 x^4 + 213 x^3 - 169 x^2 - 151 x - 13}$$

Sequence: A293613
Score: 10.4351
Type of gen. func.: lgdogf

$$-\frac{525 x^2 + 1246 x + 434}{75 x^3 + 62 x^2 - 104 x - 33}$$

Sequence: A293613
Score: 3.70591
Type of gen. func.: ogf

$\{(-99 - 33 n) a(n + 4) + (226 - 104 n) a(n + 3) + (1308 + 62 n) a(n + 2)$

$+ (525 + 75 n) a(n + 1), a(0) = 0, a(1) = 66, a(2) = 868, a(3) = 5586\}$

Sequence: A293613
Score: 6.29416
Type of gen. func.: ogf

$$-\frac{2 x (75 x^2 + 137 x + 33)}{(x - 1)^9}$$

Sequence: A293614
Score: 14.4236
Type of gen. func.: lgdogf

$$-\frac{105 x + 119}{15 x^2 - 2 x - 13}$$

Sequence: A293614
Score: 4.89858
Type of gen. func.: ogf

{(26 + 13 n) a(n + 3) + (-117 + 2 n) a(n + 2) + (-105 - 15 n) a(n + 1),

a(0) = 0, a(1) = 26, a(2) = 238}

Sequence: A293614
Score: 7.48918
Type of gen. func.: ogf

$$\frac{2 x (15 x + 13)}{(x - 1)^8}$$

Sequence: A293615
Score: 11.1601
Type of gen. func.: ogf

$$\frac{60 x}{(x - 1)^6}$$

Sequence: A293615
Score: 29.0960
Type of gen. func.: lgdogf

$$\frac{6}{-x + 1}$$

Sequence: A293615
Score: 62.1167
Type of gen. func.: ogf_with_Euler_transform]

$$[6]$$

Sequence: A293615
Score: 7.83353
Type of gen. func.: ogf

$$\{(n + 1) a(n + 2) + (-n - 6) a(n + 1), a(0) = 0, a(1) = 60\}$$

Sequence: A293631
Score: 9.33069
Type of gen. func.: ogf

$$\frac{x^2 (x^3 + x + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A293632
Score: 7.96214
Type of gen. func.: ogf

$$- \frac{x^5 + x^3 - x^2 + x - 1}{(x - 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A293633
Score: 9.92810
Type of gen. func.: ogf

$$- \frac{x^6 + x^3 - 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A293638
Score: 6.82116
Type of gen. func.: ogf

$$x^4 (x - 1) (x + 1)$$

$$\overline{(x^2 + x - 1)\,(x^8 - x^6 + x^4 - x^2 + 1)}$$

Sequence: A293639
Score: 3.90176
Type of gen. func.: ogf

$$\frac{x^4\,(x + 1)\,(x^2 - x + 1)\,(x^6 + x^5 - 2\,x^3 - x^2 + x + 1)}{(x - 1)\,(x^2 + x - 1)\,(x^4 + x^3 + x^2 + x + 1)\,(x^8 - x^6 + x^4 - x^2 + 1)}$$

Sequence: A293641
Score: 6.37777
Type of gen. func.: ogf

$$-\frac{x^3\,(x^4 - x^2 + 1)}{(x^2 + x - 1)\,(x^8 - x^6 + x^4 - x^2 + 1)}$$

Sequence: A293642
Score: 4.57719
Type of gen. func.: ogf

$$\frac{x^3\,(x^4 + 1)\,(x^6 - x^4 + 1)}{(x - 1)\,(x^2 + x - 1)\,(x^4 + x^3 + x^2 + x + 1)\,(x^8 - x^6 + x^4 - x^2 + 1)}$$

Sequence: A293643
Score: 4.31904
Type of gen. func.: ogf

$$-\frac{x\,(x^{13} + x^{12} - x^8 + x^3 + x^2 - 1)}{(x - 1)\,(x^2 + x - 1)\,(x^4 + x^3 + x^2 + x + 1)\,(x^8 - x^6 + x^4 - x^2 + 1)}$$

Sequence: A293644
Score: 5.75872
Type of gen. func.: ogf

$$-\frac{x\,(x^4+1)\,(x-1)^2\,(x+1)^2}{(x^2+x-1)\,(x^8-x^6+x^4-x^2+1)}$$

Sequence: A293656
Score: 5.94733
Type of gen. func.: ogf

$$\{(-n^2-9\,n-20)\,a(n+1)+(n+2)\,a(n+3),\ a(0)=1,\ a(1)=3,\ a(2)=12\}$$

Sequence: A293671
Score: 4.71254
Type of gen. func.: ogf

$$\frac{x^3\,(x^{10}-x^3+x+1)}{(x-1)\,(x^2+x-1)\,(x^4+x^3+x^2+x+1)\,(x^8-x^6+x^4-x^2+1)}$$

Sequence: A293672
Score: 4.39606
Type of gen. func.: ogf

$$-\frac{x\,(x^{13}+x^{12}-x^{10}+x^5+x^2-1)}{(x-1)\,(x^2+x-1)\,(x^4+x^3+x^2+x+1)\,(x^8-x^6+x^4-x^2+1)}$$

Sequence: A293673
Score: 5.28099
Type of gen. func.: ogf

$$-\frac{x\,(x^8-x^6+x^5+x^4-x^3-x^2+1)}{(x^2+x-1)\,(x^8-x^6+x^4-x^2+1)}$$

Sequence: A293686
Score: 13.0557

Type of gen. func.: ogf

$$\frac{x (x + 10099)}{(x + 1) (x - 1)^2}$$

Sequence: A293686
Score: 5.27416
Type of gen. func.: ogf

$$-(20801778516089600 f(x) + 210087564183389910599)$$
$$(f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - 10099 x)$$

Sequence: A293686
Score: 6.69242
Type of gen. func.: ogf

{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 10099, a(2) = 10100}

Sequence: A293686
Score: 9.95498
Type of gen. func.: lgdogf

$$- \frac{-2 x^2 - 30298 x - 10100}{-x^3 - 10099 x^2 + x + 10099}$$

Sequence: A293703
Score: 6.22268
Type of gen. func.: ogf

$$(2 x^{17} - 2 x^{16} + 2 x^{15} - 2 x^{14} + 2 x^{13} - 2 x^{12} + 2 x^{11} - 2 x^{10} + 2 x^9 - 2 x^8$$
$$+ x + 1) \Big/ (x - 1)^2$$

Sequence: A293706
Score: 9.83555
Type of gen. func.: ogf

$$-\frac{2 x^{9} (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1)}{x - 1}$$

Sequence: A293710
Score: 11.6579
Type of gen. func.: lgdogf

$$-\frac{-3 x^{2} - 8 x - 4}{-x^{3} - 4 x^{2} - 4 x + 1}$$

Sequence: A293710
Score: 16.5801
Type of gen. func.: ogf

$$-\frac{x^{2}}{x^{3} + 4 x^{2} + 4 x - 1}$$

Sequence: A293710
Score: 6.78277
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) + 4 a(n + 1) + a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A293710
Score: 9.21116
Type of gen. func.: ogf

$$-f(x) x^{3} - 4 f(x) x^{2} - 4 f(x) x - x^{2} + f(x)$$

Sequence: A293716
Score: 26.0530
Type of gen. func.: lgdegf]

$$9 x^{2} + 4 x + 1$$

Sequence: A293716
Score: 4.14480
Type of gen. func.: ogf

$$\{(-9 n^2 - 45 n - 54) a(n + 1) + (-4 n - 12) a(n + 2) + a(n + 4) - a(n + 3),$$

$$a(0) = 1, a(1) = 1, a(2) = 5, a(3) = 31\}$$

Sequence: A293717
Score: 18.8431
Type of gen. func.: lgdegf]

$$16 x^3 + 9 x^2 + 4 x + 1$$

Sequence: A293720
Score: 5.87038
Type of gen. func.: ogf

$$\{(8 n + 16) a(n + 1) - a(n + 3) + a(n + 2), a(0) = 1, a(1) = 1, a(2) = 9\}$$

Sequence: A293721
Score: 22.7262
Type of gen. func.: lgdegf]

$$27 x^2 + 8 x + 1$$

Sequence: A293721
Score: 3.68191
Type of gen. func.: ogf

$$\{(27 n^2 + 135 n + 162) a(n + 1) + (8 n + 24) a(n + 2) - a(n + 4) + a(n + 3),$$

$$a(0) = 1, a(1) = 1, a(2) = 9, a(3) = 79\}$$

Sequence: A293723
Score: 16.1169
Type of gen. func.: lgdegf]

$$64 x^3 + 27 x^2 + 8 x + 1$$

Sequence: A293723
Score: 3.12471
Type of gen. func.: egf]

$$\{(-n - 5) a(n + 5) + a(n + 4) + 8 a(n + 3) + 27 a(n + 2) + 64 a(n + 1),$$

$$a(0) = 1, a(1) = 1, a(2) = 9/2, a(3) = 79/6, a(4) = \frac{841}{24}\}$$

Sequence: A293727
Score: 11.6073
Type of gen. func.: ogf

$$- \frac{23 x^9 - 23 x^8 + x^2 - x - 1}{(x - 1)^2}$$

Sequence: A293732
Score: 9.35333
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{1 + 2 x}{2 x^2} + \frac{1/2 I (1 + 2 x)^{1/2}}{x^2 (2 x - 1)^{1/2}}$$

Sequence: A293733
Score: 8.39975
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{1/2 I (3 x - 1)^{1/2} (x + 1)^{1/2}}{x^3} - \frac{2 x^2 + x - 1}{2 x^3}$$

Sequence: A293754
Score: 14.4582

Type of gen. func.: ogf

$$-\frac{x^4 - x^3 - 1}{(x - 1)^2}$$

Sequence: A293754
Score: 8.00116
Type of gen. func.: ogf

$$-(4 f(x) + 125) (x^4 + f(x) x^2 - x^3 - 2 f(x) x + f(x) - 1)$$

Sequence: A293754
Score: 9.81094
Type of gen. func.: lgdogf

$$-\frac{-2 x^4 + 5 x^3 - 3 x^2 - 2}{x^5 - 2 x^4 + x^3 - x + 1}$$

Sequence: A293755
Score: 8.01646
Type of gen. func.: ogf

$$-\frac{5 x^{18} - 5 x^{17} + 63 x^{15} - 62 x^{14} - x^{12} + x^2 + 141 x - 143}{(x - 1)^2}$$

Sequence: A293774
Score: 3.46718
Type of gen. func.: ogf

$$(2 x^{10} + 4 x^9 + 2 x^8 + 5 x^7 + 11 x^6 + 8 x^5 + 6 x^4 + 6 x^3 + 2 x^2 + x - 1) / (4 x^{10} + 8 x^9 + 4 x^8 + 10 x^7 + 22 x^6 + 16 x^5 + 8 x^4 + 6 x^3 + 2 x^2 + 2 x - 1)$$

Sequence: A293777
Score: 2.40986
Type of gen. func.: ogf

$$-(f(x) - 1)^{3}$$

Sequence: A293778
Score: 3.61479
Type of gen. func.: ogf

$$-(f(x) - 1)^{3}$$

Sequence: A293809
Score: 5.39707
Type of gen. func.: egf]_with_Euler_transform]

$$x^{2} \exp\left(\frac{x (x + 2)}{2}\right) + 2 x \exp\left(\frac{x (x + 2)}{2}\right) + 2 \exp\left(\frac{x (x + 2)}{2}\right)$$

Sequence: A293817
Score: 9.40756
Type of gen. func.: ogf

$$-\frac{14 x^{5} + 19 x^{4} + 26 x^{3} - 19 x^{2} - 14 x - 13}{x^{6} - 4 x^{3} + 1}$$

Sequence: A293821
Score: 9.46165
Type of gen. func.: ogf

$$\frac{2 x^{3} - x^{2} + 1}{(x^{2} + 1) (x + 1)^{3} (x - 1)^{4}}$$

Sequence: A293822
Score: 6.00685
Type of gen. func.: ogf

$$-\frac{x^{8}-2x^{6}+2x^{5}+7x^{4}+2x^{3}-x^{2}+x+1}{(x^{4}+x^{3}+x^{2}+x+1)(x+1)^{4}(x-1)^{5}}$$

Sequence: A293823
Score: 4.30501
Type of gen. func.: ogf

$$\frac{2x^{9}+4x^{8}+6x^{7}+3x^{6}+7x^{5}+10x^{4}+5x^{3}+x+1}{(x^{2}-x+1)(x^{2}+x+1)^{2}(x+1)^{5}(x-1)^{6}}$$

Sequence: A293846
Score: 10.4205
Type of gen. func.: ogf

$$\frac{3(3x^{4}+8x^{3}+13x^{2}+8x+3)}{x^{6}-4x^{3}+1}$$

Sequence: A293870
Score: 11.1186
Type of gen. func.: ogf

$$-\frac{89x^{21}+10x^{20}-99x^{12}+89x^{2}-80x-10}{(x-1)^{2}}$$

Sequence: A293871
Score: 10.1069
Type of gen. func.: ogf

$$-\frac{88x^{21}+11x^{20}-8x^{12}-91x^{11}+98x^{2}-88x-11}{(x-1)^{2}}$$

Sequence: A293914
Score: 3.64765
Type of gen. func.: ogf

$$\{(2 n + 5) a(n + 1) + (4 n^2 + 24 n + 34) a(n + 2) + (-4 n - 14) a(n + 3) + a(n + 4), a(0) = 1, a(1) = 2, a(2) = 10, a(3) = 69\}$$

Sequence: A293948
Score: 6.76643
Type of gen. func.: ogf

$$-\frac{4 x^9 + 2 x^8 - 6 x^7 + 5 x^5 - 4 x^4 - 4 x^3 + 4 x^2 + x - 1}{(x - 1) (2 x - 1) (x + 1) (2 x^2 - 1)^2}$$

Sequence: A293962
Score: 3.55444
Type of gen. func.: ogf

$$\{(-2 n^2 - 3 n) a(n + 1) + n a(n + 2) + (2 n^2 + 15 n + 28) a(n + 3) + (-n - 4) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 10\}$$

Sequence: A293962
Score: 6.61974
Type of gen. func.: egf]

$$-18 f(x)^2 x + 12 f(x) x^2 - 2 x^3 + 9 f(x)^2 + 6 f(x) x - 3 x^2 - 6 f(x) - 3$$

Sequence: A293986
Score: 7.54306
Type of gen. func.: lgdegf]

$$-\frac{1}{-x^8 + 8 x^7 - 28 x^6 + 56 x^5 - 70 x^4 + 56 x^3 - 28 x^2 + 8 x - 1}$$

Sequence: A293987
Score: 24.6071

Type of gen. func.: lgdegf]

$$-\frac{1}{(x-1)^{9}}$$

Sequence: A293988
Score: 24.7416
Type of gen. func.: lgdegf]

$$\frac{1}{(x-1)^{10}}$$

Sequence: A293990
Score: 11.1084
Type of gen. func.: ogf

$$\frac{x^{4}+2x^{3}+2x+1}{(x^{2}+1)(x+1)(x-1)^{2}}$$

Sequence: A293995
Score: 12.8068
Type of gen. func.: ogf

$$-\frac{x-1}{(3x-1)(2x^{3}-2x^{2}-x-1)}$$

Sequence: A293995
Score: 6.05591
Type of gen. func.: ogf

$$(117296 f(x) - 2295)$$

$$(6 f(x) x^{4} - 8 f(x) x^{3} - f(x) x^{2} - 2 f(x) x + f(x) + x - 1)$$

Sequence: A293995
Score: 7.81214

Type of gen. func.: lgdogf

$$-\frac{-18 x^4 + 40 x^3 - 23 x^2 - 2 x - 1}{-6 x^5 + 14 x^4 - 7 x^3 + x^2 - 3 x + 1}$$

Sequence: A293996
Score: 5.93815
Type of gen. func.: ogf

$$-\frac{2 x^4 + 4 x^3 + x^2 + x - 1}{(4 x - 1) (12 x^7 + 30 x^6 + 14 x^5 + 8 x^4 - 13 x^3 - 6 x^2 - 2 x - 1)}$$

Sequence: A294020
Score: 8.37929
Type of gen. func.: ogf

$$\frac{x (16 x^9 + 12 x^8 + 20 x^7 + 13 x^6 + 4 x^5 + 8 x^4 + 6 x^3 + 4 x^2 + 4 x + 1)}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A294021
Score: 9.29228
Type of gen. func.: ogf

$$-\frac{x (16 x^9 + 12 x^8 + 20 x^7 + 13 x^6 + 4 x^5 + 8 x^4 + 6 x^3 + 4 x^2 + 4 x + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A294039
Score: 3.25527
Type of gen. func.: ogf

$$\{(4 n^3 + 34 n^2 + 92 n + 80) a(n + 1) + (-4 n^3 - 38 n^2 - 121 n - 130) a(n + 2)$$

$$+ (n + 3) a(n + 3), a(0) = 2, a(1) = 16, a(2) = 326\}$$

Sequence: A294049
Score: 8.66500
Type of gen. func.: ogf

$$\frac{(x + 1) (x^5 + x^4 - x^3 - x^2 - 1)}{(x - 1) (x^7 + x^6 - x^5 - x^4 - x^3 - x^2 + 1)}$$

Sequence: A294050
Score: 10.0697
Type of gen. func.: lgdegf]

$$- \frac{4}{x^5 - 5 x^4 + 10 x^3 - 10 x^2 + 5 x - 1}$$

Sequence: A294051
Score: 9.28175
Type of gen. func.: lgdegf]

$$- \frac{5}{-x^6 + 6 x^5 - 15 x^4 + 20 x^3 - 15 x^2 + 6 x - 1}$$

Sequence: A294052
Score: 9.77429
Type of gen. func.: ogf

$$\frac{x - 2}{(x - 1) (x^2 - 3 x + 1) (x^3 - x^2 - 3 x + 1)}$$

Sequence: A294085
Score: 6.88282
Type of gen. func.: ogf

$$\frac{x^4 + x^3 + 1}{(x^2 + x + 1) (x^2 - x + 1) (x + 1)^3 (x - 1)^4}$$

Sequence: A294090
Score: 9.53986
Type of gen. func.: ogf

$$-\frac{135 x^5 + 130 x^4 + 50 x^3 + 35 x^2 + 18 x + 5}{10 x^4 - 1}$$

Sequence: A294102
Score: 11.4392
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^4 + 5 x^3 + 9 x^2 + 4 x + 1}{x^6 - 3 x^4 + 3 x^2 - 1}$$

Sequence: A294116
Score: 10.0136
Type of gen. func.: ogf

$$(25 f(x) + 391) (f(x) x^2 + f(x) x - f(x) + 19 x + 2)$$

Sequence: A294116
Score: 10.7375
Type of gen. func.: ogf

{a(n + 2) - a(n + 1) - a(n), a(0) = 2, a(1) = 21}

Sequence: A294116
Score: 12.9161
Type of gen. func.: lgdogf

$$-\frac{-19 x^2 - 4 x - 21}{-19 x^3 - 21 x^2 + 17 x + 2}$$

Sequence: A294116

Score: 19.3741
Type of gen. func.: ogf

$$-\frac{19 x + 2}{x^2 + x - 1}$$

Sequence: A294119
Score: 6.02623
Type of gen. func.: ogf

$$\{(-4 n - 8) a(n + 1) + a(n + 3) - 4 a(n + 2), a(0) = 1, a(1) = 4, a(2) = 20\}$$

Sequence: A294120
Score: 21.6778
Type of gen. func.: lgdegf]

$$9 (x + 1)^2$$

Sequence: A294120
Score: 3.37210
Type of gen. func.: ogf

$$\{(9 n^2 + 45 n + 54) a(n + 1) + (18 n + 54) a(n + 2) - a(n + 4) + 9 a(n + 3),$$
$$a(0) = 1, a(1) = 9, a(2) = 99, a(3) = 1233\}$$

Sequence: A294129
Score: 4.78365
Type of gen. func.: ogf

$$\{(n + 3) a(n + 1) + (-n - 2) a(n + 2) + a(n + 4) - 2 a(n + 3), a(0) = 0,$$
$$a(1) = 1, a(2) = 3, a(3) = 7\}$$

Sequence: A294139
Score: 7.28732
Type of gen. func.: ogf

$$\frac{x^2 (2 x^3 + 11 x^2 + 11 x + 12)}{}$$

$$(x + 1)^3 (x - 1)^4$$

Sequence: A294139
Score: 7.84788
Type of gen. func.: lgdogf

$$-\frac{-8 x^4 - 57 x^3 - 83 x^2 - 117 x - 23}{-2 x^5 - 11 x^4 - 9 x^3 - x^2 + 11 x + 12}$$

Sequence: A294140
Score: 7.20416
Type of gen. func.: ogf

$$-\frac{x (4 x^3 + 8 x^2 - 5 x - 1)}{(4 x - 1) (2 x - 1)^2 (x - 1)^3}$$

Sequence: A294152
Score: 10.5170
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x - 2)}{(x^2 - 3 x + 1) (x - 1)^2}$$

Sequence: A294152
Score: 3.85801
Type of gen. func.: ogf

$$\{(2 n + 9) a(n + 1) + (-8 n - 34) a(n + 2) + (8 n + 30) a(n + 3)$$

$$+ (-2 n - 7) a(n + 4), a(0) = 0, a(1) = 2, a(2) = 11, a(3) = 38\}$$

Sequence: A294152
Score: 5.44499
Type of gen. func.: ogf

$$(29360 f(x) + 67867)$$

$$(f(x) x^4 - 5 f(x) x^3 + 8 f(x) x^2 + x^3 - 5 f(x) x - x^2 + f(x) - 2 x)$$

Sequence: A294152
Score: 7.83412
Type of gen. func.: lgdogf

$$- \frac{2 x^4 - 6 x^3 - 4 x^2 + 23 x - 11}{x^5 - 5 x^4 + 6 x^3 + 3 x^2 - 7 x + 2}$$

Sequence: A294157
Score: 10.2474
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - a(n), a(0) = 2, a(1) = 8\}$$

Sequence: A294157
Score: 13.1294
Type of gen. func.: lgdogf

$$- \frac{-3 x^2 - 2 x - 4}{-3 x^3 - 4 x^2 + 2 x + 1}$$

Sequence: A294157
Score: 18.6730
Type of gen. func.: ogf

$$- \frac{2 (3 x + 1)}{x^2 + x - 1}$$

Sequence: A294157
Score: 9.1335
Type of gen. func.: ogf

$$-(41 f(x) + 430) (f(x) x^2 + f(x) x - f(x) + 6 x + 2)$$

Sequence: A294159
Score: 5.79376
Type of gen. func.: ogf

$$f(x)^2 x^3 + f(x)^2 x^2 - f(x) x^3 + 3 f(x)^2 x - f(x) x^2 - f(x)^2 - 3 f(x) x + f(x) + x$$

Sequence: A294172
Score: 8.45924
Type of gen. func.: lgdogf

$$- \frac{3 x^4 + 10 x^3 + 22 x^2 + 16 x + 5}{x^5 + 2 x^4 + 2 x^3 - x^2 - 3 x - 1}$$

Sequence: A294172
Score: 9.00500
Type of gen. func.: ogf

$$\frac{x^3 + 2 x^2 + 3 x + 1}{(x + 1)^2 (x - 1)^4}$$

Sequence: A294175
Score: 5.06579
Type of gen. func.: ogf

$$8 f(x)^2 x^4 - 4 f(x)^2 x^3 - 2 f(x)^2 x^2 - 4 f(x) x^3 + f(x)^2 x + 4 f(x) x^2 + f(x) x + x^2 - f(x)$$

Sequence: A294178
Score: 5.83624
Type of gen. func.: ogf

$$-(112 f(x) - 859) (f(x) x^4 - 2 f(x) x^2 - 3 x^3 - x^2 + f(x) - 3 x - 1)$$

Sequence: A294189
Score: 14.9230
Type of gen. func.: lgdegf]

$$\frac{4}{-x^{3} + 3 x^{2} - 3 x + 1}$$

Sequence: A294189
Score: 3.60775
Type of gen. func.: ogf

$$\{(-n^{3} - 3 n^{2} - 2 n) a(n) + (3 n^{2} + 9 n + 6) a(n + 1) + (-3 n - 10) a(n + 2)$$

$$+ a(n + 3), a(0) = 1, a(1) = 4, a(2) = 28\}$$

Sequence: A294190
Score: 11.3873
Type of gen. func.: lgdegf]

$$- \frac{9}{-x^{4} + 4 x^{3} - 6 x^{2} + 4 x - 1}$$

Sequence: A294213
Score: 8.82076
Type of gen. func.: lgdegf]

$$- \frac{-3 x - 1}{-x^{5} + x^{4} + 2 x^{3} - 2 x^{2} - x + 1}$$

Sequence: A294214
Score: 7.81030
Type of gen. func.: lgdegf]

$$\frac{6 x^{3} + 7 x^{2} + 4 x + 1}{(x^{2} + x + 1)^{2} (x + 1)^{2} (x - 1)^{4}}$$

```
------------------------------------------------------------------------------

Sequence:  A294221
Score: 9.27014
Type of gen. func.: lgdegf]


                          3               2
              1/3 exp(x) x  + 5/2 exp(x) x  + 4 exp(x) x + exp(x)



------------------------------------------------------------------------------

Sequence:  A294251
Score: 14.0286
Type of gen. func.: lgdegf]


                         5      4      3      2
                      6 x  + 5 x  + 4 x  + 6 x  + 2 x + 1



------------------------------------------------------------------------------

Sequence:  A294255
Score: 23.6281
Type of gen. func.: lgdegf]


                                    2
                                 3 x  - 2 x - 1



------------------------------------------------------------------------------

Sequence:  A294255
Score: 3.78050
Type of gen. func.: ogf


     2
{(3 n  + 15 n + 18) a(n + 1) + (-6 - 2 n) a(n + 2) - a(n + 4) - a(n + 3),

    a(0) = 1, a(1) = -1, a(2) = -1, a(3) = 11}



------------------------------------------------------------------------------

Sequence:  A294256
Score: 14.8932
Type of gen. func.: lgdegf]


                             5      4      3
                         -6 x  + 5 x  + 4 x  - 2 x - 1



------------------------------------------------------------------------------

Sequence:  A294257
Score: 12.3069
Type of gen. func.: lgdegf]


                         9      8      7       4
```

$$10 x - 9 x - 8 x + 10 x - 2 x - 1$$

Sequence: A294258

Score: 6.55675

Type of gen. func.: lgdegf]

$$-15 x^{14} + 14 x^{13} + 13 x^{12} - 10 x^{9} - 9 x^{8} - 8 x^{7} + 7 x^{6} + 6 x^{5} + 5 x^{4} - 2 x - 1$$

Sequence: A294259

Score: 10.7925

Type of gen. func.: lgdogf

$$-\frac{-4 x^{3} + 9 x^{2} + 6 x + 4}{-2 x^{4} + 7 x^{3} - 6 x^{2} + 2 x - 1}$$

Sequence: A294259

Score: 4.61712

Type of gen. func.: ogf

$$\{(57 n^{2} + 373 n + 518) a(n + 1) + (-106 n^{2} - 442 n - 152) a(n + 2)$$

$$+ (49 n^{2} + 101 n + 6) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 4\}$$

Sequence: A294259

Score: 9.48793

Type of gen. func.: ogf

$$\frac{x (2 x^{3} - 5 x^{2} + x - 1)}{(x - 1)^{5}}$$

Sequence: A294262

Score: 11.7704

Type of gen. func.: lgdogf

$$-\frac{x^{4} + 4 x^{3} + 4 x^{2} - 8 x - 1}{}$$

$$x^5 + 7 x^4 + 12 x^3 - 5 x + 1$$

Sequence: A294262
Score: 17.1733
Type of gen. func.: ogf

$$\frac{x^2 + 2 x - 1}{(x + 1) (x^2 + 4 x - 1)}$$

Sequence: A294262
Score: 8.8777
Type of gen. func.: ogf

$$-(188 f(x) + 21) (f(x) x^3 + 5 f(x) x^2 + 3 f(x) x - x^2 - f(x) - 2 x + 1)$$

Sequence: A294262
Score: 9.35330
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 5 a(n + 1) - a(n), a(0) = 1, a(1) = 1, a(2) = 7\}$$

Sequence: A294269
Score: 9.64606
Type of gen. func.: ogf

$$\frac{2 x^6 - 3 x^5 + 2 x^3 + x^2 + x + 1}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A294270
Score: 5.47059
Type of gen. func.: ogf

$$-\frac{x (x^6 + 7 x^5 + 24 x^4 + 28 x^3 + 27 x^2 + 7 x + 2)}{(x + 1)^4 (x - 1)^5}$$

Sequence: A294271
Score: 4.18168
Type of gen. func.: ogf

$$\frac{x\,(x^8 + 15\,x^7 + 77\,x^6 + 165\,x^5 + 241\,x^4 + 165\,x^3 + 87\,x^2 + 15\,x + 2)}{(x + 1)^5\,(x - 1)^6}$$

Sequence: A294286
Score: 7.54348
Type of gen. func.: ogf

$$\frac{x^2\,(x^3 + 5\,x^2 + 5\,x + 5)}{(x + 1)^3\,(x - 1)^4}$$

Sequence: A294286
Score: 8.93738
Type of gen. func.: lgdogf

$$-\frac{-4\,x^4 - 26\,x^3 - 38\,x^2 - 50\,x - 10}{-x^5 - 5\,x^4 - 4\,x^3 + 5\,x + 5}$$

Sequence: A294287
Score: 5.59710
Type of gen. func.: ogf

$$-\frac{x^2\,(x^5 + 9\,x^4 + 22\,x^3 + 36\,x^2 + 19\,x + 9)}{(x + 1)^4\,(x - 1)^5}$$

Sequence: A294288
Score: 4.21375
Type of gen. func.: ogf

$$x^2\,(x^7 + 17\,x^6 + 75\,x^5 + 187\,x^4 + 219\,x^3 + 187\,x^2 + 65\,x + 17)$$

$$\frac{\qquad}{(x + 1)^5 (x - 1)^6}$$

Sequence: A294290
Score: 7.79785
Type of gen. func.: lgdegf]

$$- \frac{-3 x^2 - 2 x - 1}{-x^6 - 2 x^5 - 3 x^4 - 4 x^3 - 3 x^2 - 2 x - 1}$$

Sequence: A294315
Score: 11.0168
Type of gen. func.: ogf

$$\frac{2 x (x^2 + 6 x + 2)}{(x - 1)^4}$$

Sequence: A294315
Score: 12.3522
Type of gen. func.: lgdogf

$$- \frac{2 x^2 + 20 x + 14}{x^3 + 5 x^2 - 4 x - 2}$$

Sequence: A294315
Score: 4.11738
Type of gen. func.: ogf

$$\{(2 n + 6) a(n + 4) + (-6 + 4 n) a(n + 3) + (-25 - 5 n) a(n + 2)$$

$$+ (-n - 2) a(n + 1), a(0) = 0, a(1) = 4, a(2) = 28, a(3) = 90\}$$

Sequence: A294315
Score: 5.39896
Type of gen. func.: ogf

$$-(5630796 f(x) + 30587185)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 2 x^3 - 4 f(x) x - 12 x^2 + f(x) - 4 x)$$

Sequence: A294327
Score: 10.2108
Type of gen. func.: lgdogf

$$- \frac{-100 x^2 + 80 x - 16}{-50 x^3 + 65 x^2 - 16 x + 1}$$

Sequence: A294327
Score: 11.3276
Type of gen. func.: ogf

$$\frac{18 x (5 x - 1)}{(x - 1) (10 x - 1)^2}$$

Sequence: A294327
Score: 6.09216
Type of gen. func.: ogf

$$\{-a(n + 3) + 21 a(n + 2) - 120 a(n + 1) + 100 a(n), a(0) = 0, a(1) = 18,$$
$$a(2) = 288\}$$

Sequence: A294327
Score: 6.14379
Type of gen. func.: ogf

$$-(8 f(x) + 9) (100 f(x) x^3 - 120 f(x) x^2 + 21 f(x) x - 90 x^2 - f(x) + 18 x)$$

Sequence: A294328
Score: 10.6515
Type of gen. func.: ogf

$$\frac{2 x (5 x - 1)}{{}^{2}}$$

$$(x - 1) (10 x - 1)$$

Sequence: A294328
Score: 5.73542
Type of gen. func.: ogf

$$-(8 f(x) + 1) (100 f(x) x^3 - 120 f(x) x^2 + 21 f(x) x - 10 x^2 - f(x) + 2 x)$$

Sequence: A294328
Score: 5.73542
Type of gen. func.: ogf

{-a(n + 3) + 21 a(n + 2) - 120 a(n + 1) + 100 a(n), a(0) = 0, a(1) = 2,

a(2) = 32}

Sequence: A294328
Score: 9.45132
Type of gen. func.: lgdogf

$$-\frac{-100 x^2 + 80 x - 16}{-50 x^3 + 65 x^2 - 16 x + 1}$$

Sequence: A294329
Score: 10.1686
Type of gen. func.: lgdogf

$$-\frac{-100 x^2 + 80 x - 16}{-50 x^3 + 65 x^2 - 16 x + 1}$$

Sequence: A294329
Score: 11.2808
Type of gen. func.: ogf

$$\frac{16 x (5 x - 1)}{(x - 1) (10 x - 1)^2}$$

Sequence: A294329
Score: 6.06698
Type of gen. func.: ogf

$$\{-a(n + 3) + 21 a(n + 2) - 120 a(n + 1) + 100 a(n), a(0) = 0, a(1) = 16, a(2) = 256\}$$

Sequence: A294329
Score: 6.1184
Type of gen. func.: ogf

$$-(f(x) + 1) (100 f(x) x^3 - 120 f(x) x^2 + 21 f(x) x - 80 x^2 - f(x) + 16 x)$$

Sequence: A294344
Score: 10.5215
Type of gen. func.: ogf

$$-\frac{10 x^2 - 12 x + 1}{(x - 1) (10 x - 1)^2}$$

Sequence: A294344
Score: 5.63357
Type of gen. func.: ogf

$$-(1236 f(x) + 155) (100 f(x) x^3 - 120 f(x) x^2 + 21 f(x) x + 10 x^2 - f(x) - 12 x + 1)$$

Sequence: A294344
Score: 6.06324
Type of gen. func.: ogf

$$\{-a(n + 3) + 21 a(n + 2) - 120 a(n + 1) + 100 a(n), a(0) = 1, a(1) = 9, a(2) = 79\}$$

Sequence: A294344
Score: 7.69314
Type of gen. func.: lgdogf

$$-\frac{-100 x^3 + 230 x^2 - 130 x + 9}{-100 x^4 + 230 x^3 - 152 x^2 + 23 x - 1}$$

Sequence: A294348
Score: 10.116
Type of gen. func.: ogf

$$-(10 f(x) x^2 - 11 f(x) x + f(x) - 1)^2$$

Sequence: A294364
Score: 5.52172
Type of gen. func.: ogf

$$-f(x)^2 (f(x) x^5 + f(x) x^4 - f(x) x^3 + 5 x^4 + f(x) x^2 + 3 x^3 + f(x) x + x^2 - f(x) + x + 1)$$

Sequence: A294364
Score: 9.44035
Type of gen. func.: ogf

$$-\frac{5 x^4 + 3 x^3 + x^2 + x + 1}{(x + 1) (x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A294372
Score: 10.4497
Type of gen. func.: ogf

$$\frac{(x - 1)^4}{x^2 + 4 x + 1}$$

Sequence: A294372
Score: 11.0928
Type of gen. func.: lgdogf

$$-\frac{2 x^{2} + 14 x + 8}{-x^{3} - 3 x^{2} + 3 x + 1}$$

Sequence: A294372
Score: 5.50404
Type of gen. func.: ogf

{-a(n + 5) - 4 a(n + 4) - a(n + 3), a(0) = 1, a(1) = -8, a(2) = 37, a(3) = -144,

a(4) = 540}

Sequence: A294372
Score: 6.26981
Type of gen. func.: ogf

$$-(71 f(x) + 23) (-x^{4} + f(x) x^{2} + 4 x^{3} + 4 f(x) x - 6 x^{2} + f(x) + 4 x - 1)$$

Sequence: A294433
Score: 7.58474
Type of gen. func.: lgdogf

$$-\frac{-x^{4} - 26 x^{3} - 105 x^{2} - 92 x - 16}{-x^{5} - 10 x^{4} - 13 x^{3} + 13 x^{2} + 10 x + 1}$$

Sequence: A294433
Score: 8.12651
Type of gen. func.: ogf

$$-\frac{x^{4} + 11 x^{3} + 24 x^{2} + 11 x + 1}{(x - 1)^{5}}$$

Sequence: A294452

Score: 6.69106
Type of gen. func.: ogf

$$\frac{x\,(16\,x^6+20\,x^4-32\,x^3+24\,x^2-8\,x+1)}{(2\,x-1)^2\,(2\,x^2-4\,x+1)^2}$$

Sequence: A294473
Score: 7.18658
Type of gen. func.: ogf

$$\frac{2\,x^2\,(x^3+5\,x^2+5\,x+5)}{(x+1)^3\,(x-1)^4}$$

Sequence: A294473
Score: 8.74888
Type of gen. func.: lgdogf

$$-\frac{4\,x^4+26\,x^3+38\,x^2+50\,x+10}{x^5+5\,x^4+4\,x^3-5\,x-5}$$

Sequence: A294486
Score: 14.1405
Type of gen. func.: lgdogf

$$-\frac{-48\,x-18}{-32\,x^2+4\,x+1}$$

Sequence: A294486
Score: 4.62284
Type of gen. func.: ogf

$\{(n+3)\,a(n+3)+(-10+4\,n)\,a(n+2)+(-80-32\,n)\,a(n+1),\ a(0)=1,$

$a(1)=18,\ a(2)=150\}$

Sequence: A294527
Score: 3.85136
Type of gen. func.: ogf

$$\{(12 n^3 + 82 n^2 + 186 n + 140) a(n + 1) + (21 n^3 + 91 n^2 + 94 n) a(n + 2) + (-6 n^3 - 38 n^2 - 64 n - 32) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A294527
Score: 5.77703
Type of gen. func.: ogf

$$f(x)^2 x^4 + 6 f(x)^2 x^3 + 12 f(x)^2 x^2 - 2 f(x) x^3 + 8 f(x)^2 x + 3 f(x) x^2 + x^2 - f(x)$$

Sequence: A294527
Score: 8.01711
Type of gen. func.: lgdogf

$$- \frac{3 I (x - 1)}{(4 x - 1)^{1/2} x (x + 2)} - \frac{3 (x + 1)}{(x + 2) x}$$

Sequence: A294566
Score: 13.1262
Type of gen. func.: ogf

$$- \frac{4 x^2 - x - 1}{(x - 1) (5 x^2 - 1)}$$

Sequence: A294566
Score: 6.7856
Type of gen. func.: ogf

$$-(80 f(x) + 109) (5 f(x) x^3 - 5 f(x) x^2 - f(x) x + 4 x^2 + f(x) - x - 1)$$

Sequence: A294566

Score: 7.14912
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 5 a(n + 1) + 5 a(n), a(0) = 1, a(1) = 2, a(2) = 3\}$$

Sequence: A294566
Score: 8.25465
Type of gen. func.: lgdogf

$$-\frac{-20 x^4 + 10 x^3 + 6 x^2 - 2 x - 2}{-20 x^5 + 25 x^4 + 4 x^3 - 10 x^2 + 1}$$

Sequence: A294591
Score: 10.4875
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^2 + x + 1}{x^5 - x^4 - 2 x^3 + 2 x^2 + x - 1}$$

Sequence: A294604
Score: 4.73993
Type of gen. func.: ogf

$$- (x^{10} - 2 x^9 + 2 x^8 + x^7 + 24 x^6 + 36 x^5 + 57 x^4 + 54 x^3 + 48 x^2 + 21 x + 10) \Big/ \left((x^2 + x + 1)^3 (x - 1)^5\right)$$

Sequence: A294619
Score: 15.8175
Type of gen. func.: ogf

$$\frac{x (x^2 - x - 1)}{x - 1}$$

Sequence: A294619

Score: 8.15849
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 1\}$$

Sequence: A294619
Score: 9.68821
Type of gen. func.: ogf

$$(2 f(x) + 21) (-x^3 + f(x) x + x^2 - f(x) + x)$$

Sequence: A294627
Score: 10.4504
Type of gen. func.: ogf

$$2 f(x) x^3 + f(x) x^2 + f(x) x + x^2 - f(x) + x$$

Sequence: A294627
Score: 11.6880
Type of gen. func.: lgdogf

$$-\frac{4 x^3 + 7 x^2 + 2 x + 2}{2 x^4 + 3 x^3 + 2 x^2 - 1}$$

Sequence: A294627
Score: 15.5840
Type of gen. func.: ogf

$$-\frac{x (x + 1)}{(2 x - 1) (x^2 + x + 1)}$$

Sequence: A294627
Score: 8.00258
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) + 2 a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A294654
Score: 10.5773
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{2}-3x-1}{-x^{5}+x^{4}+2x^{3}-2x^{2}-x+1}$$

Sequence: A294655
Score: 10.9824
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{2}-4x-1}{-x^{5}+x^{4}+2x^{3}-2x^{2}-x+1}$$

Sequence: A294667
Score: 14.0833
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x-2}{-x^{3}+3x^{2}-3x+1}$$

Sequence: A294668
Score: 13.4637
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{2}-2}{-x^{6}+3x^{4}-3x^{2}+1}$$

Sequence: A294669
Score: 12.7479
Type of gen. func.: ogf_with_Euler_transform]

```
                        2
                  -2 x  - 1
            - --------------------
                 6      4      2
```

$$-x + 3 x - 3 x + 1$$

Sequence: A294683
Score: 7.31443
Type of gen. func.: ogf

$$\frac{(x - 1) (x^2 + x + 1) (x + 1)^3}{(x^2 + x - 1) (x^3 + x^2 - 1)^2}$$

Sequence: A294689
Score: 4.14175
Type of gen. func.: ogf

$$(34 x^{10} + 68 x^9 + 136 x^8 + 91 x^7 + 61 x^6 + 41 x^5 + 82 x^4 + 55 x^3 + 37 x^2 + 25 x + 17) / ((x - 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1))$$

Sequence: A294691
Score: 12.7758
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-5 x^2 - 1}{-x^6 + 3 x^4 - 3 x^2 + 1}$$

Sequence: A294692
Score: 13.9687
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x - 5}{-x^3 + 3 x^2 - 3 x + 1}$$

Sequence: A294693
Score: 4.91817
Type of gen. func.: ogf

$$-\frac{17x^8-80x^7+192x^6-274x^5+248x^4-145x^3+53x^2-11x+1}{(2x-1)^3(x-1)^6}$$

Sequence: A294694
Score: 6.37370
Type of gen. func.: ogf

$$\frac{2x^7-x^6-4x^5+16x^4-24x^3+19x^2-7x+1}{(x^2-3x+1)(2x-1)(x-1)^3}$$

Sequence: A294695
Score: 4.73128
Type of gen. func.: ogf

$$-\frac{3x^8-30x^7+104x^6-183x^5+195x^4-129x^3+51x^2-11x+1}{(2x-1)(x^2-3x+1)^2(x-1)^4}$$

Sequence: A294697
Score: 7.18357
Type of gen. func.: ogf

$$-\frac{(2x-1)(4x^4-9x^3+12x^2-6x+1)}{(3x-1)(x^2-3x+1)(x-1)^3}$$

Sequence: A294698
Score: 3.90765
Type of gen. func.: ogf

$$-(17x^9-95x^8+269x^7-463x^6+521x^5-393x^4+198x^3-64x^2+12x-1) \Big/ ((2x-1)^3(x-1)^7)$$

Sequence: A294700
Score: 5.97452
Type of gen. func.: ogf

$$-\frac{6x^6-30x^5+50x^4-48x^3+27x^2-8x+1}{(2x-1)^2(x-1)^5}$$

Sequence: A294701
Score: 7.68348
Type of gen. func.: ogf

$$\frac{2x^6-8x^4+14x^3-14x^2+6x-1}{(2x-1)^2(x-1)^3}$$

Sequence: A294702
Score: 6.37493
Type of gen. func.: ogf

$$-\frac{10x^6-38x^5+64x^4-62x^3+33x^2-9x+1}{(x^2-3x+1)(2x-1)^2(x-1)^3}$$

Sequence: A294705
Score: 5.14005
Type of gen. func.: ogf

$$\frac{10x^7+34x^6-78x^5+98x^4-75x^3+35x^2-9x+1}{(2x-1)^2(x-1)^6}$$

Sequence: A294708
Score: 6.02005
Type of gen. func.: ogf

$$-\frac{2x^{10}-6x^9+6x^8+4x^7+4x^6+8x^5+6x^4-4x^3+7x^2-4x+1}{(x-1)^5}$$

Sequence: A294709
Score: 7.69305
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 30 x^4 + 7 x^3 + 11 x^2 - 3 x + 1}{2 x^6 + 8 x^5 - 21 x^4 + 22 x^3 - 16 x^2 + 6 x - 1}$$

Sequence: A294709
Score: 7.82684
Type of gen. func.: ogf

$$\frac{2 x^5 + 10 x^4 - 11 x^3 + 11 x^2 - 5 x + 1}{(x - 1)^6}$$

Sequence: A294718
Score: 5.61754
Type of gen. func.: ogf

$$-\frac{4 x^9 - 11 x^8 + 10 x^7 + 2 x^6 - 7 x^5 + 21 x^4 - 22 x^3 + 16 x^2 - 6 x + 1}{(x - 1)^7}$$

Sequence: A294719
Score: 6.59272
Type of gen. func.: ogf

$$-\frac{x^7 - 13 x^5 + 25 x^4 - 29 x^3 + 20 x^2 - 7 x + 1}{(x^2 - 3 x + 1) (x - 1)^5}$$

Sequence: A294724
Score: 4.30058
Type of gen. func.: ogf

$$-4 f(x)^3 x^2 + 27 f(x)^2 x^2 + 4 f(x) x^3 + 4 f(x)^2 x - 25 f(x) x^2 + x^3 + 11 f(x) x$$

$$- f(x)$$

Sequence: A294725
Score: 6.93856
Type of gen. func.: ogf

$$-\frac{2 x^6 - 6 x^5 + 21 x^4 - 22 x^3 + 16 x^2 - 6 x + 1}{(x - 1)^7}$$

Sequence: A294726
Score: 4.84443
Type of gen. func.: ogf

$$-\frac{2 x^8 - 10 x^7 + 40 x^6 - 70 x^5 + 81 x^4 - 60 x^3 + 29 x^2 - 8 x + 1}{(x - 1)^9}$$

Sequence: A294728
Score: 4.55621
Type of gen. func.: ogf

$$-2 f(x)^3 x^2 + 4 f(x)^2 x^3 - 9 f(x)^2 x^2 - 4 f(x) x^3 + 4 f(x)^2 x + 5 f(x) x^2 + x^3$$

$$+ f(x) x - f(x)$$

Sequence: A294732
Score: 11.5045
Type of gen. func.: lgdogf

$$-\frac{-x^3 - 5 x^2 - 4 x - 2}{-x^5 - x^2 + x + 1}$$

Sequence: A294732
Score: 13.5791
Type of gen. func.: ogf

$$\frac{x^{3} + x + 1}{(x + 1)\,(x - 1)^{2}}$$

Sequence: A294732
Score: 6.27518
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3) - a(n + 2) + a(n + 1),\ a(0) = 1,\ a(1) = 2,\ a(2) = 3,\ a(3) = 5\}$$

Sequence: A294732
Score: 7.39575
Type of gen. func.: ogf

$$(3 f(x) - 20)\,(f(x)\,x^{3} - f(x)\,x^{2} - x^{3} - f(x)\,x + f(x) - x - 1)$$

Sequence: A294749
Score: 8.14955
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{8} + 4 x^{6} - x^{5} + 6 x^{4} + 4 x^{2} - x + 1}{x^{12} - 3 x^{8} + 3 x^{4} - 1}$$

Sequence: A294750
Score: 13.3577
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^{2} - 1}{-x^{6} + 3 x^{4} - 3 x^{2} + 1}$$

Sequence: A294762
Score: 5.16532
Type of gen. func.: ogf

8 7 6 5 4 3 2

$$-\frac{4x - 2x - 17x + 25x - 43x + 38x - 22x + 7x - 1}{(x-1)^{8}}$$

Sequence: A294763
Score: 4.34146
Type of gen. func.: ogf

$$-\frac{x^{10} - 15x^{8} + 55x^{7} - 111x^{6} + 149x^{5} - 141x^{4} + 89x^{3} - 37x^{2} + 9x - 1}{(x-1)^{10}}$$

Sequence: A294764
Score: 6.85639
Type of gen. func.: lgdogf

$$-\frac{-x^{5} - 6x^{4} + 10x^{3} - 13x^{2} + 5x - 1}{-2x^{7} + 9x^{6} - 23x^{5} + 36x^{4} - 37x^{3} + 24x^{2} - 8x + 1}$$

Sequence: A294764
Score: 7.02362
Type of gen. func.: ogf

$$\frac{(x^{3} - 2x^{2} + 3x - 1)^{2}}{(2x^{3} - 3x^{2} + 4x - 1)(x-1)^{3}}$$

Sequence: A294765
Score: 4.34286
Type of gen. func.: ogf

$$-(2x^{10} - 17x^{9} + 66x^{8} - 158x^{7} + 256x^{6} - 289x^{5} + 230x^{4} - 126x^{3} + 46x^{2} - 10x + 1) \Big/ (x-1)^{11}$$

Sequence: A294766

Score: 4.25246
Type of gen. func.: ogf

$$(x^9 - 26 x^8 + 138 x^7 - 317 x^6 + 419 x^5 - 350 x^4 + 188 x^3 - 63 x^2 + 12 x - 1) / ((2 x - 1)^4 (x - 1)^5)$$

Sequence: A294767
Score: 6.91968
Type of gen. func.: ogf

$$- \frac{5 x^5 - 19 x^4 + 25 x^3 - 19 x^2 + 7 x - 1}{(x - 1) (x^2 - 3 x + 1) (3 x^3 - 5 x^2 + 4 x - 1)}$$

Sequence: A294768
Score: 5.64378
Type of gen. func.: ogf

$$\frac{(x^2 - 3 x + 1) (x - 1)^5}{4 x^7 - 23 x^6 + 55 x^5 - 78 x^4 + 66 x^3 - 33 x^2 + 9 x - 1}$$

Sequence: A294769
Score: 5.6506
Type of gen. func.: ogf

$$(7 f(x) - 8) (4 f(x) x^4 - 9 f(x) x^3 - 2 x^4 + 11 f(x) x^2 + 4 x^3 - 6 f(x) x - 7 x^2 + f(x) + 5 x - 1)$$

Sequence: A294769
Score: 9.59288
Type of gen. func.: ogf

$$\frac{2 x^4 - 4 x^3 + 7 x^2 - 5 x + 1}{4 x^4 - 9 x^3 + 11 x^2 - 6 x + 1}$$

Sequence: A294770
Score: 5.44805
Type of gen. func.: ogf

$$-\frac{3x^8 - 15x^7 + 40x^6 - 66x^5 + 81x^4 - 60x^3 + 29x^2 - 8x + 1}{(x-1)^9}$$

Sequence: A294771
Score: 5.30003
Type of gen. func.: ogf

$$\frac{(x^2 - 3x + 1)(x-1)^6}{5x^8 - 31x^7 + 83x^6 - 134x^5 + 144x^4 - 99x^3 + 42x^2 - 10x + 1}$$

Sequence: A294772
Score: 5.81171
Type of gen. func.: ogf

$$-\frac{4x^6 - 27x^5 + 55x^4 - 57x^3 + 32x^2 - 9x + 1}{(3x-1)(x^2 - 3x + 1)(x-1)^4}$$

Sequence: A294774
Score: 13.1586
Type of gen. func.: lgdogf

$$-\frac{-5x^2 + 2x - 9}{-5x^3 + 11x^2 - 11x + 5}$$

Sequence: A294774
Score: 14.2372
Type of gen. func.: ogf

$$5x^2 - 6x + 5$$

```
- --------------
              3
       (x - 1)
```

Sequence: A294774
Score: 7.68556
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 5,\ a(1) = 9,\ a(2) = 17\}$$

Sequence: A294774
Score: 7.75419
Type of gen. func.: ogf

$$(15\,f(x) + 2)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 5\,x^2 - f(x) - 6\,x + 5)$$

Sequence: A294777
Score: 8.93349
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^8 + 3\,x^6 - x^5 + 3\,x^4 + x^2}{x^{12} - 3\,x^8 + 3\,x^4 - 1}$$

Sequence: A294778
Score: 17.6798
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^2}{-x^6 + 3\,x^4 - 3\,x^2 + 1}$$

Sequence: A294779
Score: 9.05347
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2\,x^8 + 6\,x^6 - x^5 + 6\,x^4 + 2\,x^2}{x^{12} - 3\,x^8 + 3\,x^4 - 1}$$

Sequence: A294780
Score: 10.3079
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^4-5x^3-6x^2-2x}{-x^6+3x^4-3x^2+1}$$

Sequence: A294781
Score: 6.18605
Type of gen. func.: ogf

$$-\frac{(x^2+1)(x-1)^2(x+1)^3}{(x^2+2x-1)(x^3+x^2+x-1)^2}$$

Sequence: A294782
Score: 7.53655
Type of gen. func.: ogf

$$\frac{(x^2+1)(x-1)^3(x+1)^3}{(x^2+2x-1)(x^3+x^2+x-1)^2}$$

Sequence: A294784
Score: 21.7404
Type of gen. func.: revegf]

$$-1+\arcsin(x)+(-x^2+1)^{1/2}$$

Sequence: A294790
Score: 3.83203
Type of gen. func.: ogf

$$\{(-4n-14)\,a(n+1)+(9n+33)\,a(n+2)+(-6n-24)\,a(n+3)$$
$$+(n+5)\,a(n+4),\ a(0)=1,\ a(1)=2,\ a(2)=5,\ a(3)=13\}$$

Sequence: A294796
Score: 5.18757
Type of gen. func.: ogf

$$-\frac{10x^7-34x^6+78x^5-98x^4+75x^3-35x^2+9x-1}{(2x-1)^2(x-1)^6}$$

Sequence: A294797
Score: 4.23401
Type of gen. func.: ogf

$$-(10x^9-64x^8+192x^7-367x^6+447x^5-358x^4+189x^3-63x^2+12x-1)\Big/\left((x^2-3x+1)(2x-1)^2(x-1)^6\right)$$

Sequence: A294799
Score: 4.41426
Type of gen. func.: ogf

$$(4x^9-12x^8+45x^7-114x^6+176x^5-173x^4+110x^3-44x^2+10x-1)\Big/\left((2x-1)^2(x-1)^7\right)$$

Sequence: A294800
Score: 7.17705
Type of gen. func.: ogf

$$-\frac{2x^6-10x^5+25x^4-29x^3+20x^2-7x+1}{(x^2-3x+1)(x-1)^5}$$

Sequence: A294801
Score: 6.60020
Type of gen. func.: ogf

$$-\frac{7x^6-36x^5+64x^4-62x^3+33x^2-9x+1}{(x^2-3x+1)(2x-1)^2(x-1)^3}$$

Sequence: A294802
Score: 9.23079
Type of gen. func.: lgdogf

$$-\frac{2x^4-3x^3+13x^2-5x+1}{-2x^5-11x^4+30x^3-24x^2+8x-1}$$

Sequence: A294802
Score: 9.41917
Type of gen. func.: ogf

$$\frac{(x^3+7x^2-5x+1)(x-1)^2}{(2x-1)^4}$$

Sequence: A294803
Score: 6.20048
Type of gen. func.: ogf

$$\frac{3x^7-31x^6+86x^5-120x^4+94x^3-42x^2+10x-1}{(x-1)^3(2x-1)^4}$$

Sequence: A294804
Score: 8.51191
Type of gen. func.: ogf

$$-\frac{x^6-4x^5+23x^4-36x^3+25x^2-8x+1}{(x-1)(2x-1)^4}$$

Sequence: A294805

Score: 7.20300
Type of gen. func.: ogf

$$\frac{x^6 - 4 x^5 + 12 x^4 - 27 x^3 + 23 x^2 - 8 x + 1}{(x^2 - 3 x + 1)^3}$$

Sequence: A294806
Score: 5.73513
Type of gen. func.: ogf

$$- \frac{28 x^7 - 111 x^6 + 204 x^5 - 214 x^4 + 136 x^3 - 52 x^2 + 11 x - 1}{(2 x - 1)^4 (x - 1)^4}$$

Sequence: A294807
Score: 5.26873
Type of gen. func.: ogf

$$\frac{x^8 - 29 x^7 + 136 x^6 - 263 x^5 + 275 x^4 - 169 x^3 + 61 x^2 - 12 x + 1}{(x^2 - 3 x + 1) (x - 1)^2 (2 x - 1)^4}$$

Sequence: A294814
Score: 5.38713
Type of gen. func.: ogf

$$\frac{x^7 - 15 x^6 + 61 x^5 - 101 x^4 + 87 x^3 - 41 x^2 + 10 x - 1}{(x^2 - 3 x + 1) (x - 1)^2 (2 x - 1)^3}$$

Sequence: A294817
Score: 7.09560
Type of gen. func.: ogf

$$- \frac{3 x^5 - 19 x^4 + 32 x^3 - 24 x^2 + 8 x - 1}{(2 x - 1) (x - 1) (x^2 - 3 x + 1)^2}$$

Sequence: A294818
Score: 7.09310
Type of gen. func.: ogf

$$-\frac{7x^5 - 34x^4 + 49x^3 - 31x^2 + 9x - 1}{(x^2 - 3x + 1)^2 (2x - 1)^2}$$

Sequence: A294836
Score: 10.5532
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3x^4 + 7x^3 + 12x^2 + 5x + 1}{x^6 - 3x^4 + 3x^2 - 1}$$

Sequence: A294837
Score: 11.0139
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4x^4 + 9x^3 + 15x^2 + 6x + 1}{x^6 - 3x^4 + 3x^2 - 1}$$

Sequence: A294838
Score: 10.4904
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{5x^4 + 11x^3 + 18x^2 + 7x + 1}{x^6 - 3x^4 + 3x^2 - 1}$$

Sequence: A294839
Score: 7.48822
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^7 + 2x^6 + 3x^5 + 5x^4 + 4x^3 + 4x^2 + x + 1}{}$$

$$x^{10} - x^{8} - 2 x^{6} + 2 x^{4} + x^{2} - 1$$

Sequence: A294842
Score: 8.79502
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^{5} + 9 x^{4} + 14 x^{3} + 14 x^{2} + 5 x + 1}{-x^{8} + 4 x^{6} - 6 x^{4} + 4 x^{2} - 1}$$

Sequence: A294843
Score: 8.41825
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{3 x^{5} + 13 x^{4} + 19 x^{3} + 18 x^{2} + 6 x + 1}{-x^{8} + 4 x^{6} - 6 x^{4} + 4 x^{2} - 1}$$

Sequence: A294844
Score: 8.78865
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{4 x^{5} + 17 x^{4} + 24 x^{3} + 22 x^{2} + 7 x + 1}{-x^{8} + 4 x^{6} - 6 x^{4} + 4 x^{2} - 1}$$

Sequence: A294845
Score: 8.95702
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{5 x^{5} + 21 x^{4} + 29 x^{3} + 26 x^{2} + 8 x + 1}{-x^{8} + 4 x^{6} - 6 x^{4} + 4 x^{2} - 1}$$

Sequence: A294846
Score: 10.6118
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^3 - 3x^2 - 2x - 1}{x^6 - 3x^4 + 3x^2 - 1}$$

Sequence: A294924
Score: 11.5730
Type of gen. func.: lgdogf

$$-\frac{-54x^5 + 56x^4 + 68x^3 + x + 3}{18x^6 - x^5 - 17x^4 + x^2 - 1}$$

Sequence: A294924
Score: 17.8187
Type of gen. func.: ogf

$$\frac{18x^5 + 17x^4 + x + 1}{(x - 1)^2}$$

Sequence: A294958
Score: 12.5068
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4x^2 + 2x - 1}{x^4 - 4x^3 + 6x^2 - 4x + 1}$$

Sequence: A294959
Score: 7.79792
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4x^6 + 10x^5 + 17x^4 + 10x^3 + 2x^2 + x + 1}{-x^8 + 4x^6 - 6x^4 + 4x^2 - 1}$$

Sequence: A294972
Score: 8.38359
Type of gen. func.: ogf

$$-\frac{x^7 - x^6 + 4 x^5 - 41 x^4 - 127 x^3 - 41 x^2 - 4 x - 1}{(x^4 - 16 x^2 + 1) (x^4 + 16 x^2 + 1)}$$

Sequence: A294973
Score: 11.2529
Type of gen. func.: ogf

$$-\frac{(x^2 - 3 x - 1) (x^4 + 32 x^2 + 1)}{(x^4 - 16 x^2 + 1) (x^4 + 16 x^2 + 1)}$$

Sequence: A295045
Score: 10.1415
Type of gen. func.: ogf

$$-\frac{x^3 - 2 x - 3}{x^4 - x^3 - x^2 - 2 x + 1}$$

Sequence: A295045
Score: 5.03427
Type of gen. func.: ogf

-(3845 f(x) + 2833)

$$(f(x) x^4 - f(x) x^3 - f(x) x^2 + x^3 - 2 f(x) x + f(x) - 2 x - 3)$$

Sequence: A295046
Score: 4.20871
Type of gen. func.: ogf

$$-\frac{x^8 + x^7 - x^6 + 2 x^5 - 4 x^4 - 7 x^3 - 5 x^2 + 4 x + 5}{x^9 - x^7 + 3 x^6 - 6 x^5 - 2 x^4 - 3 x^3 + 4 x^2 + 3 x - 1}$$

Sequence: A295054
Score: 5.66439
Type of gen. func.: ogf

$$-\frac{x^{16}-x^{15}+x^{6}-x^{5}+x^{4}+x^{3}-4\,x^{2}+2\,x-1}{(x^{2}+x-1)\,(x-1)^{3}}$$

Sequence: A295064
Score: 5.39007
Type of gen. func.: ogf

$$\frac{x^{12}-x^{11}+x^{3}-x-1}{(2\,x-1)\,(4\,x^{2}+2\,x+1)\,(x-1)^{2}}$$

Sequence: A295065
Score: 4.62006
Type of gen. func.: ogf

$$\frac{x^{11}-x^{10}+x^{5}-3\,x^{4}+3\,x^{3}-x-1}{(2\,x-1)\,(4\,x^{2}+2\,x+1)\,(x-1)^{2}}$$

Sequence: A295072
Score: 7.83117
Type of gen. func.: ogf

$$(x^{24}-x^{20}-x^{10}-x^{4}+1)\ \Big/\ ((x-1)\,(x^{23}+x^{22}+x^{21}+2\,x^{20}+x^{19}+x^{18}+x^{17}+x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+2\,x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}-1))$$

Sequence: A295073
Score: 5.47060
Type of gen. func.: ogf

$$\frac{(x-1)(x^4+x^3+x^2+x+1)(x^{30}+x^{29}+x^{24}+x^{20}+x^{19}+x^{14}-1)}{x^{34}+x^{31}-x^{30}+x^{25}+x^{21}-x^{20}+x^{15}-x^{14}-x^5-x+1}$$

Sequence: A295077
Score: 5.06147
Type of gen. func.: ogf

$$-(f(x)-324)$$

$$(2\,f(x)\,x^4-7\,f(x)\,x^3+9\,f(x)\,x^2+7\,x^3-5\,f(x)\,x-2\,x^2+f(x)-x)$$

Sequence: A295077
Score: 8.27700
Type of gen. func.: lgdogf

$$-\frac{-28\,x^3+5\,x^2+18\,x-7}{-14\,x^4+25\,x^3-11\,x^2-x+1}$$

Sequence: A295077
Score: 9.63760
Type of gen. func.: ogf

$$-\frac{x\,(7\,x^2-2\,x-1)}{(2\,x-1)\,(x-1)^3}$$

Sequence: A295081
Score: 6.69707
Type of gen. func.: ogf

$$(x^2+x-1)\,(x^{14}-x^{13}-x^2-x+1)\ /\ ((x-1)\,(3\,x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3-x^2-2\,x+1))$$

Sequence: A295086
Score: 9.14242
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x^4-5x^3-9x^2-4x-1}{x^6-3x^4+3x^2-1}$$

Sequence: A295089
Score: 14.5702
Type of gen. func.: lgdogf

$$-\frac{-5x^2-6x-7}{-5x^3+7x^2-5x+3}$$

Sequence: A295089
Score: 15.2868
Type of gen. func.: ogf

$$-\frac{5x^2-2x+3}{(x-1)^3}$$

Sequence: A295089
Score: 8.03874
Type of gen. func.: ogf

$$(972 f(x) - 1031) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 5 x^2 - f(x) - 2 x + 3)$$

Sequence: A295089
Score: 8.25215
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3, a(1) = 7, a(2) = 17\}$$

Sequence: A295091
Score: 8.48299
Type of gen. func.: ogf

$$-\frac{x^4 + x^3 - 2 x^2 - 3 x - 2}{(x^2 + x + 1) (x^3 - x^2 - 2 x + 1)}$$

Sequence: A295112
Score: 12.7799
Type of gen. func.: lgdogf

$$-\frac{-3 x^2 - 6 x + 1}{-3 x^3 + x^2 + 3 x - 1}$$

Sequence: A295112
Score: 4.15185
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-3 n - 10) a(n + 3) + (4 - n) a(n + 2)$$

$$+ (6 + 3 n) a(n + 1), a(0) = -1, a(1) = -1, a(2) = 1, a(3) = 5\}$$

Sequence: A295112
Score: 7.36859
Type of gen. func.: ogf

$$-f(x)^2 x^4 + 4 f(x)^2 x^3 - 6 f(x)^2 x^2 + 4 f(x)^2 x - f(x)^2 - 3 x^2 - 2 x + 1$$

Sequence: A295115
Score: 4.01898
Type of gen. func.: ogf

$$-\frac{x^9 + x^8 - 4 x^7 - 10 x^6 - 6 x^5 + 5 x^4 + 9 x^3 + 8 x^2 + 6 x + 3}{x^{10} - 5 x^8 - 8 x^7 - x^6 + 7 x^5 + 7 x^4 + 5 x^3 + 3 x^2 + x - 1}$$

Sequence: A295121
Score: 8.53755
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3x^4 - 7x^3 - 12x^2 - 5x - 1}{x^6 - 3x^4 + 3x^2 - 1}$$

Sequence: A295122
Score: 8.50122
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-4x^4 - 9x^3 - 15x^2 - 6x - 1}{x^6 - 3x^4 + 3x^2 - 1}$$

Sequence: A295123
Score: 8.85390
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-5x^4 - 11x^3 - 18x^2 - 7x - 1}{x^6 - 3x^4 + 3x^2 - 1}$$

Sequence: A295130
Score: 12.8283
Type of gen. func.: lgdogf

$$-\frac{130x^2 + 892x + 514}{65x^3 + 189x^2 - 189x - 65}$$

Sequence: A295130
Score: 12.9993
Type of gen. func.: ogf

$$\frac{3(65x^2 + 254x + 65)}{(x - 1)^4}$$

Sequence: A295130
Score: 4.39166
Type of gen. func.: ogf

$$\{(65 n + 260) a(n + 4) + (53 + 189 n) a(n + 3) + (-1270 - 189 n) a(n + 2) + (-195 - 65 n) a(n + 1), a(0) = 195, a(1) = 1542, a(2) = 5193, a(3) = 12300\}$$

Sequence: A295130
Score: 6.58749
Type of gen. func.: ogf

$$(188288 f(x) + 111202011) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 195 x^2 + f(x) - 762 x - 195)$$

Sequence: A295133
Score: 4.01829
Type of gen. func.: ogf

$$\frac{x^9 - x^8 + 4 x^3 - 7 x^2 + 3 x - 1}{(3 x - 1) (x - 1)^2}$$

Sequence: A295134
Score: 3.50245
Type of gen. func.: ogf

$$\frac{x^8 - x^7 + 3 x^3 - 6 x^2 + 3 x - 1}{(3 x - 1) (x - 1)^2}$$

Sequence: A295135
Score: 3.50245
Type of gen. func.: ogf

$$\frac{x^7 - x^6 + 2 x^3 - 5 x^2 + 3 x - 1}{(3 x - 1) (x - 1)^2}$$

Sequence: A295136
Score: 3.91438
Type of gen. func.: ogf

$$\frac{x^6 - x^5 + x^3 - 4 x^2 + 3 x - 1}{(3 x - 1) (x - 1)^2}$$

Sequence: A295137
Score: 4.88046
Type of gen. func.: ogf

$$\frac{x^6 + 3 x^2 - 2 x + 1}{(3 x - 1) (x - 1)}$$

Sequence: A295140
Score: 3.81880
Type of gen. func.: ogf

$$- (x^{17} + x^{14} + x^{13} - 3 x^{11} - 3 x^{10} - x^9 - x^8 - 2 x^7 - x^6 - x^5 - 2 x^4 - 2 x^3 - x^2 + 2 x + 1) \Big/ ((x + 1) (3 x^2 - 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A295143
Score: 4.72747
Type of gen. func.: ogf

$$\frac{x^8 - x^7 + 3 x^3 - 5 x^2 + 2 x - 1}{(x^2 + 2 x - 1) (x - 1)^2}$$

Sequence: A295144
Score: 5.21366
Type of gen. func.: ogf

$$\frac{x^{10} - x^9 + 2 x^3 - 3 x^2 + x - 1}{(x^2 + 2 x - 1) (x - 1)^2}$$

Sequence: A295168
Score: 11.2192
Type of gen. func.: ogf

$$- \frac{10 x^2 + 2 x + 1}{(5 x - 1) (2 x - 1)^2}$$

Sequence: A295168
Score: 5.88548
Type of gen. func.: ogf

$$(15096 f(x) - 11195)$$

$$(20 f(x) x^3 - 24 f(x) x^2 + 9 f(x) x + 10 x^2 - f(x) + 2 x + 1)$$

Sequence: A295168
Score: 6.18989
Type of gen. func.: ogf

{a(n + 3) - 9 a(n + 2) + 24 a(n + 1) - 20 a(n), a(0) = 1, a(1) = 11, a(2) = 85}

Sequence: A295168
Score: 8.25318
Type of gen. func.: lgdogf

$$- \frac{100 x^3 + 90 x^2 + 6 x - 11}{100 x^4 - 50 x^3 + 6 x^2 - 5 x + 1}$$

Sequence: A295179
Score: 14.3175
Type of gen. func.: ogf_with_Euler_transform]

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$$-\frac{-x - x - 1}{-x^3 + 3x^2 - 3x + 1}$$

Sequence: A295180
Score: 11.0939
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4x^4 + 6x^3 + 7x^2 + 3x + 1}{x^6 - 3x^4 + 3x^2 - 1}$$

Sequence: A295200
Score: 7.75133
Type of gen. func.: ogf

$$-\frac{2x^4 + x^3 - 3x^2 - x - 1}{(2x - 1)(x^4 - x^2 - 1)}$$

Sequence: A295247
Score: 7.57384
Type of gen. func.: ogf

$$-\frac{x^4 + x^3 - x^2 - 3x - 4}{(x + 1)(x^4 - x^3 - 3x + 1)}$$

Sequence: A295270
Score: 3.42726
Type of gen. func.: ogf

$$-\frac{x^9 - x^7 - 11x^6 - 17x^5 - 6x^4 + 13x^3 + 28x^2 + 19x + 7}{x^{10} - x^9 - x^8 - 12x^7 - 9x^6 - x^5 + 17x^4 + 20x^3 + 10x^2 + 2x - 1}$$

Sequence: A295286
Score: 5.61690

Type of gen. func.: ogf

$$\frac{x (2 x^8 + x^7 + x^6 + x^5 + 7 x^4 + x^3 + x^2 + x + 1)}{(x^2 + 1)^3 (x + 1)^3 (x - 1)^4}$$

Sequence: A295287
Score: 6.73919
Type of gen. func.: ogf

$$\frac{2 x^3 (3 x^4 + x^3 + x^2 + x + 2)}{(x^2 + 1)^3 (x + 1)^3 (x - 1)^4}$$

Sequence: A295288
Score: 10.7776
Type of gen. func.: lgdogf

$$- \frac{-2 x^2 + 2 x - 5}{-2 x^3 + 3 x^2 - 3 x + 1}$$

Sequence: A295288
Score: 11.1252
Type of gen. func.: ogf

$$- \frac{x^2 - x + 1}{(2 x - 1)^3}$$

Sequence: A295288
Score: 5.99797
Type of gen. func.: ogf

$$(244 f(x) - 91) (8 f(x) x^3 - 12 f(x) x^2 + 6 f(x) x + x^2 - f(x) - x + 1)$$

Sequence: A295288

Score: 6.05057
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 12 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 5, a(2) = 19\}$$

Sequence: A295292
Score: 5.79767
Type of gen. func.: ogf

$$\frac{x (3 x^7 + 3 x^6 - x^5 + 5 x^4 + 3 x^3 + 3 x^2 - x + 1)}{(x^2 + 1)^3 (x + 1)^3 (x - 1)^4}$$

Sequence: A295293
Score: 6.08705
Type of gen. func.: ogf

$$\frac{2 x^2 (x^7 - x^6 + 2 x^5 + 2 x^4 + 2 x^3 + x + 1)}{(x^2 + 1)^3 (x + 1)^3 (x - 1)^4}$$

Sequence: A295317
Score: 5.35453
Type of gen. func.: ogf

$$\frac{x^2 (x^8 + x^7 + x^6 + x^5 + 7 x^4 + x^3 + x^2 + x + 2)}{(x^2 + 1)^3 (x + 1)^3 (x - 1)^4}$$

Sequence: A295318
Score: 6.87245
Type of gen. func.: ogf

$$\frac{2 x^4 (2 x^4 + x^3 + x^2 + x + 3)}{(x^2 + 1)^3 (x + 1)^3 (x - 1)^4}$$

Sequence: A295319

Score: 10.8513
Type of gen. func.: ogf

$$-\frac{45\,(100\,x^{2}+11\,x+1)}{1000\,x^{2}-1}$$

Sequence: A295319
Score: 6.69551
Type of gen. func.: ogf

$$\{-a(n+3)+1000\,a(n+1),\ a(0)=45,\ a(1)=495,\ a(2)=49500\}$$

Sequence: A295319
Score: 6.84107
Type of gen. func.: lgdogf

$$-\frac{11000\,x^{2}+2200\,x+11}{100000\,x^{4}+11000\,x^{3}+900\,x^{2}-11\,x-1}$$

Sequence: A295319
Score: 7.23423
Type of gen. func.: ogf

$$(20\,f(x)-891)\,(1000\,f(x)\,x^{2}+4500\,x^{2}-f(x)+495\,x+45)$$

Sequence: A295320
Score: 5.67931
Type of gen. func.: ogf

$$\frac{x^{3}\,(x^{7}-x^{6}+3\,x^{5}+3\,x^{4}+5\,x^{3}-x^{2}+3\,x+3)}{(x^{2}+1)^{3}\,(x+1)^{3}\,(x-1)^{4}}$$

Sequence: A295321
Score: 6.02881
Type of gen. func.: ogf

$$\frac{2 x^2 (x^7 + x^6 + 2 x^4 + 2 x^3 + 2 x^2 - x + 1)}{(x^2 + 1)^3 (x + 1)^3 (x - 1)^4}$$

Sequence: A295333
Score: 11.6691
Type of gen. func.: ogf

$$- \frac{x^5 - x^4 + 2 x^3 + 3 x^2 + 2 x + 1}{x^6 + 6 x^3 - 1}$$

Sequence: A295334
Score: 12.5966
Type of gen. func.: ogf

$$- \frac{x^4 - x^3 + 2 x^2 + x + 1}{x^6 + 6 x^3 - 1}$$

Sequence: A295336
Score: 6.33448
Type of gen. func.: ogf

$$- \frac{x^7 - x^6 + 2 x^5 - 13 x^4 - 15 x^3 - 13 x^2 - 2 x - 1}{x^8 - 30 x^4 + 1}$$

Sequence: A295337
Score: 7.14616
Type of gen. func.: ogf

$$- \frac{(x^2 - x - 1) (x^4 + 8 x^2 + 1)}{x^8 - 30 x^4 + 1}$$

Sequence: A295340
Score: 10.9094
Type of gen. func.: lgdogf

$$-\frac{-2 x^{3} - 6 x^{2} - 39 x - 13}{-2 x^{4} - 2 x^{3} - 9 x^{2} + 2 x + 11}$$

Sequence: A295340
Score: 14.6045
Type of gen. func.: ogf

$$\frac{2 x^{2} + 2 x + 11}{(x + 1) (x - 1)^{2}}$$

Sequence: A295340
Score: 7.30225
Type of gen. func.: ogf

$$(478910 f(x) + 15348131) (f(x) x^{3} - f(x) x^{2} - f(x) x - 2 x^{2} + f(x) - 2 x - 11)$$

Sequence: A295340
Score: 7.87372
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 11, a(1) = 13, a(2) = 26\}$$

Sequence: A295346
Score: 7.15871
Type of gen. func.: ogf

$$-\frac{x^{5} - 5 x^{3} - 3 x^{2} - 4 x + 3}{(x^{2} - 3 x + 1) (x^{4} + 2 x^{3} + x^{2} + x - 1)}$$

Sequence: A295363
Score: 4.51324
Type of gen. func.: ogf

$$\frac{13 x^{13} - 17 x^{12} - 7 x^{11} + 11 x^{10} + 4 x^{5} - 8 x^{4} + x^{3} + 5 x^{2} - x + 1}{(x^{2} + x - 1) (x - 1)^{3}}$$

Sequence: A295367
Score: 5.28361
Type of gen. func.: ogf

$$\frac{16 x^{16} - 20 x^{15} - 10 x^{14} + 14 x^{13} + 5 x^{4} - 14 x^{3} + 12 x^{2} - 2 x + 1}{(x^{2} + x - 1) (x - 1)^{3}}$$

Sequence: A295374
Score: 3.60133
Type of gen. func.: ogf

$$- \frac{x^{9} + 2 x^{8} - x^{7} + 3 x^{6} + x^{5} - 11 x^{4} - 5 x^{3} - 3 x^{2} + 4 x + 5}{x^{10} + x^{9} - 2 x^{8} + 5 x^{7} - 3 x^{6} - 8 x^{5} + x^{4} - 3 x^{3} + 4 x^{2} + 3 x - 1}$$

Sequence: A295382
Score: 16.4861
Type of gen. func.: lgdegf]

$$- \frac{-x - 1}{-x^{2} + 2 x - 1}$$

Sequence: A295382
Score: 5.57277
Type of gen. func.: ogf

$$\{(n^{2} + 4 n + 4) a(n + 1) + (-2 n - 3) a(n + 2) + a(n + 3), a(0) = 1, a(1) = -1, a(2) = -2\}$$

Sequence: A295383

Score: 5.49697
Type of gen. func.: ogf

$$\{(-16 n^2 - 48 n - 36) a(n + 1) + (-n - 2) a(n + 2), a(0) = 1, a(1) = -4\}$$

Sequence: A295388
Score: 7.83877
Type of gen. func.: ogf

$$\frac{x^6 + 2 x^5 + 5 x^4 + 8 x^3 + 35 x^2 + 14 x + 7}{(x - 1)^4 (x + 1)^4}$$

Sequence: A295404
Score: 20.3077
Type of gen. func.: ogf

$$-x^2 + f(x) - f(x)^2 + f(x)^3 x$$

Sequence: A295411
Score: 4.21468
Type of gen. func.: ogf

$$- \frac{22 x^7 + 50 x^6 - 11 x^5 - 67 x^4 - 18 x^3 - 18 x^2 - 12 x - 4}{22 x^8 + 34 x^7 - 33 x^6 - 49 x^5 - 3 x^4 - 28 x^3 - 6 x + 1}$$

Sequence: A295420
Score: 5.15866
Type of gen. func.: ogf

$$- \frac{(x - 1) (3 x^7 + 7 x^6 + 3 x^5 + 11 x^4 + 5 x^3 + 25 x^2 + 9 x + 1)}{(x^3 + x^2 - x + 1) (x^3 + x^2 + 3 x - 1) (x^3 - x^2 - x - 1)}$$

Sequence: A295432
Score: 2.91201
Type of gen. func.: ogf

$$\{(124416 n^4 + 746496 n^3 + 1657152 n^2 + 1612224 n + 579462) a(n + 1) + (-72 n^4 - 468 n^3 - 1126 n^2 - 1187 n - 462) a(n + 2), a(0) = 1, a(1) = 462\}$$

Sequence: A295473
Score: 12.1022
Type of gen. func.: egf]

$$-f(x) (f(x) x - f(x) + 9 x)$$

Sequence: A295473
Score: 24.6217
Type of gen. func.: egf]

$$- \frac{9 x}{x - 1}$$

Sequence: A295473
Score: 29.7512
Type of gen. func.: lgdegf]

$$\frac{1}{-x + 1}$$

Sequence: A295473
Score: 9.03835
Type of gen. func.: ogf

$$\{(-n - 1) a(n) + a(n + 1), a(0) = 0, a(1) = 9\}$$

Sequence: A295518
Score: 4.04130
Type of gen. func.: ogf

$$\{(2 n + 4) a(n + 1) + (-3 n - 9) a(n + 2) + (n + 6) a(n + 3) - a(n + 4), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 14\}$$

Sequence: A295519
Score: 3.72291
Type of gen. func.: ogf

$$\{(6 + 3 n) a(n + 1) + (-4 n - 12) a(n + 2) + (n + 7) a(n + 3) - a(n + 4),$$
$$a(0) = 0, a(1) = 1, a(2) = 5, a(3) = 22\}$$

Sequence: A295525
Score: 6.83878
Type of gen. func.: ogf

$$-\frac{x^5 + 2 x^4 + x^3 - 5 x^2 - 6 x - 2}{x^6 + x^5 - 5 x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A295541
Score: 20.141
Type of gen. func.: ogf

$$x - 1 - 2 f(x) + 6 f(x)^2 - 3 f(x)^3$$

Sequence: A295541
Score: 6.55473
Type of gen. func.: ogf

$$\{(81 n^2 - 9) a(n) + (-90 n^2 - 135 n - 45) a(n + 1)$$
$$+ (-7 n^2 - 21 n - 14) a(n + 2), a(0) = 1, a(1) = -1, a(2) = 3\}$$

Sequence: A295619
Score: 10.3480
Type of gen. func.: ogf

$$-\frac{3 x^3 + 2 x^2 - x - 1}{(2 x^2 - 1) (x^2 + x - 1)}$$

Sequence: A295619
Score: 5.7739
Type of gen. func.: ogf

$$(2 f(x) - 85)$$

$$(2 f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 + 3 x^3 - f(x) x + 2 x^2 + f(x) - x - 1)$$

Sequence: A295622
Score: 8.25641
Type of gen. func.: lgdogf

$$-\frac{3 x^4 + 6 x^3 - 20 x^2 - 26 x - 11}{x^5 + x^4 - 6 x^3 - 4 x^2 + 5 x + 3}$$

Sequence: A295622
Score: 8.78909
Type of gen. func.: ogf

$$-\frac{x^3 + x^2 - 5 x - 3}{(x + 1)^2 (x - 1)^4}$$

Sequence: A295643
Score: 10.4923
Type of gen. func.: ogf

$$-\frac{x^4 (x^4 + 1)}{(x^2 + 1)^2 (x + 1)^2 (x - 1)^3}$$

Sequence: A295643
Score: 27.7514
Type of gen. func.: ogf_with_Euler_transform]

$$-x^7 + 3 x^3 + 1$$

Sequence: A295643
Score: 8.68720
Type of gen. func.: lgdogf

$$-\frac{-5 x^{7} - x^{6} - x^{5} - x^{4} - 13 x^{3} - x^{2} - x - 1}{-x^{8} + 1}$$

Sequence: A295671
Score: 14.1638
Type of gen. func.: ogf

$$\frac{3 x^{3} - 1}{(x^{2} + 1) (x^{2} + x - 1)}$$

Sequence: A295671
Score: 6.51078
Type of gen. func.: ogf

{-a(n + 4) + a(n + 3) + a(n + 1) + a(n), a(0) = 1, a(1) = 1, a(2) = 1,

a(3) = -1}

Sequence: A295671
Score: 7.2733
Type of gen. func.: ogf

$$-(3 f(x) - 8) (f(x) x^{4} + f(x) x^{3} - 3 x^{3} + f(x) x - f(x) + 1)$$

Sequence: A295671
Score: 8.68104
Type of gen. func.: lgdogf

$$-\frac{3 x^{6} - 10 x^{3} + 6 x^{2} - 1}{3 x^{7} + 3 x^{6} + 2 x^{4} - 4 x^{3} - x + 1}$$

Sequence: A295672
Score: 13.8754
Type of gen. func.: ogf

$$\frac{4 x^3 - 1}{(x^2 + 1) (x^2 + x - 1)}$$

Sequence: A295672
Score: 6.93768
Type of gen. func.: ogf

$$-(75 f(x) - 118) (f(x) x^4 + f(x) x^3 - 4 x^3 + f(x) x - f(x) + 1)$$

Sequence: A295672
Score: 8.50426
Type of gen. func.: lgdogf

$$- \frac{4 x^6 - 12 x^3 + 9 x^2 - 1}{4 x^7 + 4 x^6 + 3 x^4 - 5 x^3 - x + 1}$$

Sequence: A295673
Score: 11.4685
Type of gen. func.: ogf

$$\frac{(5 x - 4) (x^2 + x + 1)}{(x^2 + 1) (x^2 + x - 1)}$$

Sequence: A295673
Score: 6.08715
Type of gen. func.: ogf

$$-(9127 f(x) - 39653) (f(x) x^4 + f(x) x^3 - 5 x^3 + f(x) x - x^2 - f(x) - x + 4)$$

Sequence: A295674
Score: 11.3345
Type of gen. func.: ogf

$$-\frac{3 x^{3} + 2 x^{2} + x + 1}{(x^{2} + 1) (x^{2} + x - 1)}$$

Sequence: A295674
Score: 7.04578
Type of gen. func.: ogf

$$f(x) (f(x) x^{4} + f(x) x^{3} + 3 x^{3} + f(x) x + 2 x^{2} - f(x) + x + 1)$$

Sequence: A295675
Score: 12.0756
Type of gen. func.: ogf

$$\frac{5 x^{3} - x^{2} - 1}{(x^{2} + 1) (x^{2} + x - 1)}$$

Sequence: A295675
Score: 6.59589
Type of gen. func.: ogf

$$-(5 f(x) + 6) (f(x) x^{4} + f(x) x^{3} - 5 x^{3} + f(x) x + x^{2} - f(x) + 1)$$

Sequence: A295676
Score: 12.1516
Type of gen. func.: ogf

$$\frac{7 x^{3} - 2 x^{2} - 1}{(x^{2} + 1) (x^{2} + x - 1)}$$

Sequence: A295676
Score: 6.4742

Type of gen. func.: ogf

$$-(62 f(x) - 109) (f(x) x^4 + f(x) x^3 - 7 x^3 + f(x) x + 2 x^2 - f(x) + 1)$$

Sequence: A295677
Score: 12.3631
Type of gen. func.: ogf

$$\frac{8 x^3 - 3 x^2 - 1}{(x^2 + 1) (x^2 + x - 1)}$$

Sequence: A295677
Score: 6.69666
Type of gen. func.: ogf

$$(4417 f(x) + 272) (f(x) x^4 + f(x) x^3 - 8 x^3 + f(x) x + 3 x^2 - f(x) + 1)$$

Sequence: A295678
Score: 11.8686
Type of gen. func.: ogf

$$- \frac{x^3 - x^2 + x + 1}{(x^2 + 1) (x^2 + x - 1)}$$

Sequence: A295678
Score: 6.44828
Type of gen. func.: ogf

$$-(107 f(x) + 363) (f(x) x^4 + f(x) x^3 + x^3 + f(x) x - x^2 - f(x) + x + 1)$$

Sequence: A295678
Score: 7.58269
Type of gen. func.: lgdogf

$$-x^6 + 2 x^5 - 2 x^4 - 4 x^3 - 7 x^2 + 2 x - 2$$

$$-\frac{}{-x^{7} - 3x^{4} + x^{3} - 2x^{2} + 1}$$

Sequence: A295680
Score: 11.5230
Type of gen. func.: lgdogf

$$-\frac{-4x^{3} - 3x^{2} - 1}{-x^{4} - x^{3} - x + 1}$$

Sequence: A295680
Score: 17.4125
Type of gen. func.: ogf

$$-\frac{2x^{3}}{(x^{2} + 1)(x^{2} + x - 1)}$$

Sequence: A295680
Score: 9.67363
Type of gen. func.: ogf

$$-f(x)x^{4} - f(x)x^{3} - 2x^{3} - f(x)x + f(x)$$

Sequence: A295681
Score: 12.5119
Type of gen. func.: ogf

$$-\frac{x(2x^{2} - x + 1)}{(x^{2} + 1)(x^{2} + x - 1)}$$

Sequence: A295681
Score: 6.66616
Type of gen. func.: ogf

{a(n + 4) - a(n + 3) - a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 0, a(3) = 2}

Sequence: A295681
Score: 6.77727
Type of gen. func.: ogf

$$-(2 f(x) + 27) (f(x) x^4 + f(x) x^3 + 2 x^3 + f(x) x - x^2 - f(x) + x)$$

Sequence: A295681
Score: 8.13272
Type of gen. func.: lgdogf

$$-\frac{4 x^5 - x^4 + 2 x^3 + x^2 + 4 x}{2 x^6 + x^5 + 3 x^3 - 3 x^2 + 2 x - 1}$$

Sequence: A295682
Score: 12.5119
Type of gen. func.: ogf

$$-\frac{x (x^2 - 2 x + 2)}{(x^2 + 1) (x^2 + x - 1)}$$

Sequence: A295682
Score: 6.66616
Type of gen. func.: ogf

{a(n + 4) - a(n + 3) - a(n + 1) - a(n), a(0) = 0, a(1) = 2, a(2) = 0, a(3) = 1}

Sequence: A295682
Score: 6.66617
Type of gen. func.: ogf

$$-(29 f(x) + 113) (f(x) x^4 + f(x) x^3 + x^3 + f(x) x - 2 x^2 - f(x) + 2 x)$$

Sequence: A295682

Score: 8.13272
Type of gen. func.: lgdogf

$$-\frac{-2x^5+5x^4-4x^3-5x^2-2x}{-x^6+x^5-3x^3+3x^2-4x+2}$$

Sequence: A295683
Score: 11.8404
Type of gen. func.: ogf

$$\frac{x^3+x^2+x-2}{(x^2+1)(x^2+x-1)}$$

Sequence: A295683
Score: 6.53589
Type of gen. func.: ogf

$$-(19 f(x) - 25) (f(x) x^4 + f(x) x^3 - x^3 + f(x) x - x^2 - f(x) - x + 2)$$

Sequence: A295684
Score: 11.7866
Type of gen. func.: ogf

$$\frac{2x^3-x^2+2x-2}{(x^2+1)(x^2+x-1)}$$

Sequence: A295684
Score: 6.83422
Type of gen. func.: ogf

$$(3 f(x) - 5) (f(x) x^4 + f(x) x^3 - 2 x^3 + f(x) x + x^2 - f(x) - 2 x + 2)$$

Sequence: A295685
Score: 12.9413
Type of gen. func.: ogf

$$\frac{2 x^{3} + x - 2}{(x^{2} + 1) (x^{2} + x - 1)}$$

Sequence: A295685
Score: 6.41805
Type of gen. func.: ogf

$$-(62074 f(x) - 86185) (f(x) x^{4} + f(x) x^{3} - 2 x^{3} + f(x) x - f(x) - x + 2)$$

Sequence: A295686
Score: 11.6547
Type of gen. func.: ogf

$$\frac{3 x^{3} - x^{2} + x - 2}{(x^{2} + 1) (x^{2} + x - 1)}$$

Sequence: A295686
Score: 6.53801
Type of gen. func.: ogf

$$(160 f(x) - 409) (f(x) x^{4} + f(x) x^{3} - 3 x^{3} + f(x) x + x^{2} - f(x) - x + 2)$$

Sequence: A295687
Score: 13.2437
Type of gen. func.: ogf

$$\frac{(x - 1) (2 x^{2} + 2 x + 1)}{(x^{2} + 1) (x^{2} + x - 1)}$$

Sequence: A295687
Score: 6.78878
Type of gen. func.: ogf

$$-(256 f(x) - 403) (f(x) x^4 + f(x) x^3 - 2 x^3 + f(x) x - f(x) + x + 1)$$

Sequence: A295687
Score: 7.69395
Type of gen. func.: lgdogf

$$-\frac{-2 x^6 + 3 x^4 + 10 x^3 - 3 x^2 + 2}{-2 x^7 - 2 x^6 + x^5 + 3 x^3 + x^2 - 1}$$

Sequence: A295688
Score: 13.0018
Type of gen. func.: ogf

$$\frac{(x + 2) (x - 1)}{(x^2 + 1) (x^2 + x - 1)}$$

Sequence: A295688
Score: 6.55462
Type of gen. func.: ogf

$$-(1516 f(x) - 1057) (f(x) x^4 + f(x) x^3 + f(x) x - x^2 - f(x) - x + 2)$$

Sequence: A295688
Score: 7.62605
Type of gen. func.: lgdogf

$$-\frac{2 x^5 + 4 x^4 - 6 x^3 - 7 x^2 + 2 x - 1}{x^6 + 2 x^5 - x^4 - x^3 - 3 x + 2}$$

Sequence: A295689
Score: 11.8942
Type of gen. func.: ogf

$$3 x^3 - 2 x^2 + 2 x - 2$$

$$(x^2 + 1) (x^2 + x - 1)$$

Sequence: A295689
Score: 6.83916
Type of gen. func.: ogf

$$(9 f(x) - 19) (f(x) x^4 + f(x) x^3 - 3 x^3 + f(x) x + 2 x^2 - f(x) - 2 x + 2)$$

Sequence: A295690
Score: 12.4287
Type of gen. func.: ogf

$$\frac{2 x^3 + x^2 - 2}{(x^2 + 1) (x^2 + x - 1)}$$

Sequence: A295690
Score: 6.78878
Type of gen. func.: ogf

$$(203 f(x) - 320) (f(x) x^4 + f(x) x^3 - 2 x^3 + f(x) x - x^2 - f(x) + 2)$$

Sequence: A295691
Score: 14.2378
Type of gen. func.: ogf

$$\frac{3 x^3 - 2}{(x^2 + 1) (x^2 + x - 1)}$$

Sequence: A295691
Score: 6.54479
Type of gen. func.: ogf

$\{a(n + 4) - a(n + 3) - a(n + 1) - a(n), a(0) = 2, a(1) = 2, a(2) = 2, a(3) = 1\}$

Sequence: A295691
Score: 7.18189
Type of gen. func.: ogf

$$(2095 f(x) - 5641) (f(x) x^4 + f(x) x^3 - 3 x^3 + f(x) x - f(x) + 2)$$

Sequence: A295691
Score: 8.72639
Type of gen. func.: lgdogf

$$- \frac{-3 x^6 + 14 x^3 - 3 x^2 + 2}{-3 x^7 - 3 x^6 - x^4 + 5 x^3 + 2 x - 2}$$

Sequence: A295717
Score: 10.3459
Type of gen. func.: ogf

$$- \frac{5 x^3 + x^2 - 2 x - 1}{(2 x^2 - 1) (x^2 + x - 1)}$$

Sequence: A295717
Score: 5.45638
Type of gen. func.: ogf

$$-(390 f(x) + 3973)$$

$$(2 f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 + 5 x^3 - f(x) x + x^2 + f(x) - 2 x - 1)$$

Sequence: A295718
Score: 10.4655
Type of gen. func.: ogf

$$- \frac{6 x^3 + 2 x^2 - 2 x - 1}{(2 x^2 - 1) (x^2 + x - 1)}$$

Sequence: A295718
Score: 5.75604
Type of gen. func.: ogf

$$(13 f(x) - 243)$$

$$(2 f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 + 6 x^3 - f(x) x + 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A295719
Score: 11.4607
Type of gen. func.: ogf

$$- \frac{(x - 1) (3 x^2 + 3 x + 1)}{(2 x^2 - 1) (x^2 + x - 1)}$$

Sequence: A295719
Score: 5.85771
Type of gen. func.: ogf

$$-(58 f(x) - 47)$$

$$(2 f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 + 3 x^3 - f(x) x + f(x) - 2 x - 1)$$

Sequence: A295720
Score: 10.2386
Type of gen. func.: ogf

$$- \frac{3 x^3 - 2 x^2 - 3 x - 1}{(2 x^2 - 1) (x^2 + x - 1)}$$

Sequence: A295720
Score: 5.39982
Type of gen. func.: ogf

$$(181954 f(x) + 96139)$$

$$(2 f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 + 3 x^3 - f(x) x - 2 x^2 + f(x) - 3 x - 1)$$

Sequence: A295721
Score: 10.2986
Type of gen. func.: ogf

$$-\frac{7 x^3 - 4 x^2 - 3 x + 1}{(2 x^2 - 1) (x^2 + x - 1)}$$

Sequence: A295721
Score: 5.58446
Type of gen. func.: ogf

$(454 f(x) + 1681)$

$$(2 f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 + 7 x^3 - f(x) x - 4 x^2 + f(x) - 3 x + 1)$$

Sequence: A295722
Score: 10.8822
Type of gen. func.: ogf

$$\frac{2 x^3 + 6 x^2 - 1}{(2 x^2 - 1) (x^2 + x - 1)}$$

Sequence: A295722
Score: 5.47863
Type of gen. func.: ogf

$-(15467 f(x) + 17507)$

$$(2 f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 - 2 x^3 - f(x) x - 6 x^2 + f(x) + 1)$$

Sequence: A295723
Score: 11.0911
Type of gen. func.: ogf

$$-\frac{x (2 x + 1) (x - 1)}{(2 x^2 - 1) (x^2 + x - 1)}$$

```
------------------------------------------------------------------------------

Sequence:  A295723
Score: 6.04214
Type of gen. func.: ogf


(5 f(x) + 21)

             4           3           2      3             2
    (2 f(x) x  + 2 f(x) x  - 3 f(x) x  + 2 x  - f(x) x - x  + f(x) - x)



------------------------------------------------------------------------------

Sequence:  A295723
Score: 7.36043
Type of gen. func.: lgdogf


                           5      4       3    2
                       -8 x  + 2 x  + 12 x  + x  - 2 x - 2
                     - -------------------------------------
                           6      5       4    3      2
                       -4 x  - 2 x  + 10 x  + x  - 6 x  + 1



------------------------------------------------------------------------------

Sequence:  A295724
Score: 11.7340
Type of gen. func.: ogf


                                   2
                                  x  (x + 1)
                            -----------------------
                                2        2
                            (2 x  - 1) (x  + x - 1)



------------------------------------------------------------------------------

Sequence:  A295724
Score: 6.27633
Type of gen. func.: ogf


                         4           3           2    3             2
   (6 f(x) + 1) (2 f(x) x  + 2 f(x) x  - 3 f(x) x  - x  - f(x) x - x  + f(x))



------------------------------------------------------------------------------

Sequence:  A295724
Score: 8.70588
Type of gen. func.: lgdogf


                              4       3      2
                          -6 x  - 12 x  - 3 x  + 6 x + 2
                        - ------------------------------
                               5      4    3      2
                           -2 x  - 4 x  + x  + 4 x  - 1
```

Sequence: A295725
Score: 11.3022
Type of gen. func.: ogf

$$\frac{x^2 (2 x - 1)}{(2 x^2 - 1) (x^2 + x - 1)}$$

Sequence: A295725
Score: 6.04535
Type of gen. func.: ogf

$$(f(x) - 1) (2 f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 - 2 x^3 - f(x) x + x^2 + f(x))$$

Sequence: A295725
Score: 8.66500
Type of gen. func.: lgdogf

$$- \frac{12 x^4 - 12 x^2 + 6 x - 1}{4 x^5 + 2 x^4 - 8 x^3 + x^2 + 3 x - 1}$$

Sequence: A295726
Score: 10.8131
Type of gen. func.: ogf

$$\frac{x (x + 1) (3 x - 1)}{(2 x^2 - 1) (x^2 + x - 1)}$$

Sequence: A295726
Score: 5.84708
Type of gen. func.: ogf

$$(90 f(x) + 43)$$

$$(2 f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 - 3 x^3 - f(x) x - 2 x^2 + f(x) + x)$$

Sequence: A295726
Score: 7.58997
Type of gen. func.: lgdogf

$$-\frac{-12 x^{5} - 18 x^{4} + 9 x^{2} + 1}{-6 x^{6} - 10 x^{5} + 7 x^{4} + 11 x^{3} - 4 x^{2} - 3 x + 1}$$

Sequence: A295727
Score: 10.3959
Type of gen. func.: ogf

$$-\frac{5 x^{3} - 3 x^{2} - 2 x + 1}{(2 x^{2} - 1) (x^{2} + x - 1)}$$

Sequence: A295727
Score: 5.7589
Type of gen. func.: ogf

$(45 f(x) + 92)$

$$(2 f(x) x^{4} + 2 f(x) x^{3} - 3 f(x) x^{2} + 5 x^{3} - f(x) x - 3 x^{2} + f(x) - 2 x + 1)$$

Sequence: A295728
Score: 10.5625
Type of gen. func.: ogf

$$\frac{5 x^{3} - x^{2} - 2 x + 1}{(2 x^{2} - 1) (x^{2} + x - 1)}$$

Sequence: A295728
Score: 5.60904
Type of gen. func.: ogf

$-(202 f(x) - 527)$

$$(2 f(x) x^{4} + 2 f(x) x^{3} - 3 f(x) x^{2} - 5 x^{3} - f(x) x + x^{2} + f(x) + 2 x - 1)$$

Sequence: A295729
Score: 10.0624
Type of gen. func.: ogf

$$-\frac{2x^3 - 4x^2 - x + 1}{(2x^2 - 1)(x^2 + x - 1)}$$

Sequence: A295729
Score: 5.57414
Type of gen. func.: ogf

$(13 f(x) + 15)$

$$(2 f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 + 2 x^3 - f(x) x - 4 x^2 + f(x) - x + 1)$$

Sequence: A295730
Score: 10.4197
Type of gen. func.: ogf

$$-\frac{x^3 - 3x^2 - x + 1}{(2x^2 - 1)(x^2 + x - 1)}$$

Sequence: A295730
Score: 6.9767
Type of gen. func.: ogf

$$-2 f(x) x^4 - 2 f(x) x^3 + 3 f(x) x^2 - x^3 + f(x) x + 3 x^2 - f(x) + x - 1$$

Sequence: A295731
Score: 10.9626
Type of gen. func.: ogf

$$\frac{2x^3 + 4x^2 - 1}{(2x^2 - 1)(x^2 + x - 1)}$$

Sequence: A295731
Score: 5.88433
Type of gen. func.: ogf

$$(103 f(x) + 55)$$

$$(2 f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 - 2 x^3 - f(x) x - 4 x^2 + f(x) + 1)$$

Sequence: A295732
Score: 10.8629
Type of gen. func.: ogf

$$\frac{3 x^3 + 3 x^2 - 1}{(2 x^2 - 1) (x^2 + x - 1)}$$

Sequence: A295732
Score: 5.66424
Type of gen. func.: ogf

$$-(570 f(x) - 61)$$

$$(2 f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 - 3 x^3 - f(x) x - 3 x^2 + f(x) + 1)$$

Sequence: A295733
Score: 12.3434
Type of gen. func.: ogf

$$\frac{x (5 x^2 - 1)}{(2 x^2 - 1) (x^2 + x - 1)}$$

Sequence: A295733
Score: 6.21953
Type of gen. func.: ogf

$$(118 f(x) - 201) (2 f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 - 5 x^3 - f(x) x + f(x) + x)$$

Sequence: A295734
Score: 11.2031
Type of gen. func.: ogf

$$\frac{x^2 (3 x - 1)}{(2 x^2 - 1) (x^2 + x - 1)}$$

Sequence: A295734
Score: 5.64242
Type of gen. func.: ogf

$$-(130 f(x) - 407) (2 f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 - 3 x^3 - f(x) x + x^2 + f(x))$$

Sequence: A295734
Score: 8.49463
Type of gen. func.: lgdogf

$$-\frac{18 x^4 + 4 x^3 - 15 x^2 + 6 x - 2}{6 x^5 + 4 x^4 - 11 x^3 + 4 x - 1}$$

Sequence: A295735
Score: 10.6636
Type of gen. func.: ogf

$$\frac{x (4 x^2 + x - 1)}{(2 x^2 - 1) (x^2 + x - 1)}$$

Sequence: A295735
Score: 5.56031
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 3) + 3 a(n + 2) - 2 a(n + 1) - 2 a(n), a(0) = 0, a(1) = -1, a(2) = 0, a(3) = 1\}$$

Sequence: A295735
Score: 5.85296
Type of gen. func.: ogf

$$(f(x) - 3) (2 f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 - 4 x^3 - f(x) x - x^2 + f(x) + x)$$

Sequence: A295736
Score: 10.3331
Type of gen. func.: ogf

$$\frac{11 x^3 - 3 x^2 - 3 x + 1}{(2 x^2 - 1) (x^2 + x - 1)}$$

Sequence: A295736
Score: 5.40929
Type of gen. func.: ogf

$$-(8174 f(x) - 11217) (2 f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 - 11 x^3 - f(x) x + 3 x^2 + f(x) + 3 x - 1)$$

Sequence: A295737
Score: 10.3722
Type of gen. func.: ogf

$$\frac{8 x^3 - 3 x^2 - 2 x + 1}{(2 x^2 - 1) (x^2 + x - 1)}$$

Sequence: A295737
Score: 5.54623
Type of gen. func.: ogf

$$-(69 f(x) - 776) (2 f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 - 8 x^3 - f(x) x + 3 x^2 + f(x) + 2 x - 1)$$

Sequence: A295774
Score: 10.7502
Type of gen. func.: ogf_with_Euler_transform]

$$[4 - 2 x]$$

Sequence: A295774
Score: 3.22282
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x + x^2 - f(x) + 2 x + 1$$

Sequence: A295774
Score: 4.31736
Type of gen. func.: ogf

$$\frac{(x + 1)^2}{(x - 1)^2}$$

Sequence: A295774
Score: 7.15062
Type of gen. func.: lgdogf

$$\frac{4}{-x^2 + 1}$$

Sequence: A295776
Score: 6.86869
Type of gen. func.: ogf

$$- \frac{2 x^4 - x^3 + 3 x^2 + 9 x + 5}{2 x^5 - 3 x^4 + 6 x^3 + 3 x^2 + 2 x - 1}$$

Sequence: A295777

Score: 3.47945
Type of gen. func.: ogf

$$-(x+1)(2x^8-2x^7-7x^6+92x^5-29x^4+20x^3+55x^2-9x-8) \Big/ (2x^{10}-2x^9-7x^8+92x^7-29x^6+20x^5+58x^4-6x^3-6x^2-4x+1)$$

Sequence: A295821
Score: 11.3084
Type of gen. func.: lgdogf

$$-\frac{8x^2+10x+6}{-x^5+x^4+6x^3-5x-1}$$

Sequence: A295821
Score: 11.7930
Type of gen. func.: ogf

$$-\frac{2(x^3-x^2-5x-1)}{(x+1)(x-1)^2}$$

Sequence: A295821
Score: 6.11489
Type of gen. func.: ogf

$\{-a(n+4)+a(n+3)+a(n+2)-a(n+1), a(0)=2, a(1)=12, a(2)=16,$

$a(3)=24\}$

Sequence: A295821
Score: 6.55167
Type of gen. func.: ogf

$$-(3f(x)+250)(f(x)x^3-f(x)x^2+2x^3-f(x)x-2x^2+f(x)-10x-2)$$

Sequence: A295822
Score: 9.82999
Type of gen. func.: ogf

$$-\frac{2\,(x^5 - 7\,x^3 - 11\,x^2 - 8\,x - 1)}{(x + 1)\,(x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A295828
Score: 16.1580
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-6\,x - 2}{-x^3 + 3\,x^2 - 3\,x + 1}$$

Sequence: A295831
Score: 11.4927
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^5 - x^4 - x^3 - 2\,x^2 - x - 1}{x^8 - 2\,x^4 + 1}$$

Sequence: A295832
Score: 12.0627
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^5 + x^4 + 2\,x^3 + 2\,x^2 + 1}{-x^8 + 2\,x^4 - 1}$$

Sequence: A295838
Score: 4.07918
Type of gen. func.: ogf

$\{a(n + 2) - 257\,a(n + 1) + 256\,a(n),\ a(0) = 0,\ a(1) = 126\}$

Sequence: A295838
Score: 5.45982
Type of gen. func.: ogf

$$-256 f(x) x^2 + 257 f(x) x - f(x) + 126 x$$

Sequence: A295838
Score: 8.25323
Type of gen. func.: ogf

$$\frac{126 x}{(256 x - 1) (x - 1)}$$

Sequence: A295841
Score: 4.69875
Type of gen. func.: ogf

$$(399655 f(x) + 696108)$$

$$(8 f(x) x^4 - 6 f(x) x^3 + f(x) x^2 + 8 x^3 - 3 f(x) x + 2 x^2 + f(x) - 5 x - 2)$$

Sequence: A295841
Score: 8.97035
Type of gen. func.: ogf

$$-\frac{(2 x + 1) (4 x^2 - x - 2)}{8 x^4 - 6 x^3 + x^2 - 3 x + 1}$$

Sequence: A295842
Score: 4.02832
Type of gen. func.: ogf

$$-\frac{2 x^8 + 7 x^7 + 11 x^6 - 3 x^4 - 26 x^3 - 16 x^2 + 13 x + 4}{2 x^9 + 5 x^8 + 6 x^7 - 6 x^6 + 3 x^5 - 30 x^4 + 12 x^3 + x^2 + 4 x - 1}$$

Sequence: A295850
Score: 11.6278

Type of gen. func.: ogf

$$-\frac{x^2 (x - 2)}{(2 x^2 - 1) (x^2 + x - 1)}$$

Sequence: A295850
Score: 5.98746
Type of gen. func.: ogf

$$-(13 f(x) + 8) (2 f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 + x^3 - f(x) x - 2 x^2 + f(x))$$

Sequence: A295850
Score: 8.10424
Type of gen. func.: lgdogf

$$-\frac{-6 x^4 + 12 x^3 + 15 x^2 - 12 x - 1}{-2 x^5 + 2 x^4 + 7 x^3 - 5 x^2 - 3 x + 2}$$

Sequence: A295851
Score: 10.9626
Type of gen. func.: ogf

$$\frac{x (2 x^2 + 3 x - 1)}{(2 x^2 - 1) (x^2 + x - 1)}$$

Sequence: A295851
Score: 5.84138
Type of gen. func.: ogf

$$(467 f(x) + 357)$$

$$(2 f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 - 2 x^3 - f(x) x - 3 x^2 + f(x) + x)$$

Sequence: A295852
Score: 12.0549

Type of gen. func.: ogf

$$\frac{6 x^2 - 1}{(2 x^2 - 1) (x^2 + x - 1)}$$

Sequence: A295852
Score: 5.98144
Type of gen. func.: ogf

$$-(59 f(x) + 92) (2 f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 - f(x) x - 6 x^2 + f(x) + 1)$$

Sequence: A295853
Score: 10.2231
Type of gen. func.: ogf

$$-\frac{(2 x + 1) (x^2 - 5 x + 2)}{(2 x^2 - 1) (x^2 + x - 1)}$$

Sequence: A295853
Score: 5.50476
Type of gen. func.: ogf

$$-(11 f(x) + 27)$$

$$(2 f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 + 2 x^3 - f(x) x - 9 x^2 + f(x) - x + 2)$$

Sequence: A295854
Score: 10.8328
Type of gen. func.: ogf

$$\frac{x^3 + 10 x^2 - 2}{(2 x^2 - 1) (x^2 + x - 1)}$$

Sequence: A295854
Score: 5.34416

Type of gen. func.: ogf

$$-(1024922 f(x) + 2396799)$$

$$(2 f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 - x^3 - f(x) x - 10 x^2 + f(x) + 2)$$

Sequence: A295855
Score: 10.5821
Type of gen. func.: ogf

$$\frac{7 x^3 + x^2 - 3 x + 1}{(2 x^2 - 1) (x^2 + x - 1)}$$

Sequence: A295855
Score: 5.58095
Type of gen. func.: ogf

$$-(506 f(x) + 1161)$$

$$(2 f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 - 7 x^3 - f(x) x - x^2 + f(x) + 3 x - 1)$$

Sequence: A295856
Score: 11.2291
Type of gen. func.: ogf

$$- \frac{x^2 (2 x - 3)}{(2 x^2 - 1) (x^2 + x - 1)}$$

Sequence: A295856
Score: 5.86974
Type of gen. func.: ogf

$$(97 f(x) + 316)$$

$$(2 f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 + 2 x^3 - f(x) x - 3 x^2 + f(x))$$

Sequence: A295856

Score: 7.67136
Type of gen. func.: lgdogf

$$-\frac{12x^4-16x^3-24x^2+18x+1}{4x^5-2x^4-12x^3+7x^2+5x-3}$$

Sequence: A295857
Score: 11.5454
Type of gen. func.: ogf

$$\frac{x^2(x+2)}{(2x^2-1)(x^2+x-1)}$$

Sequence: A295857
Score: 5.81483
Type of gen. func.: ogf

$$-(846 f(x) + 325)$$

$$(2 f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 - x^3 - f(x) x - 2 x^2 + f(x))$$

Sequence: A295857
Score: 8.12890
Type of gen. func.: lgdogf

$$-\frac{-6x^4-20x^3-9x^2+12x+3}{-2x^5-6x^4-x^3+7x^2+x-2}$$

Sequence: A295858
Score: 10.1569
Type of gen. func.: ogf

$$-\frac{3x^3-6x^2-2x+2}{(2x^2-1)(x^2+x-1)}$$

Sequence: A295858
Score: 5.43112
Type of gen. func.: ogf

$$(8500 f(x) + 16999)$$

$$(2 f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 + 3 x^3 - f(x) x - 6 x^2 + f(x) - 2 x + 2)$$

Sequence: A295859
Score: 10.2986
Type of gen. func.: ogf

$$-\frac{4 x^3 - 7 x^2 - 2 x + 2}{(2 x^2 - 1) (x^2 + x - 1)}$$

Sequence: A295859
Score: 5.54541
Type of gen. func.: ogf

$$-(19 f(x) + 40)$$

$$(2 f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 + 4 x^3 - f(x) x - 7 x^2 + f(x) - 2 x + 2)$$

Sequence: A295860
Score: 10.1818
Type of gen. func.: ogf

$$-\frac{(x - 1) (3 x + 2) (2 x - 1)}{(2 x^2 - 1) (x^2 + x - 1)}$$

Sequence: A295860
Score: 5.44446
Type of gen. func.: ogf

$$-(53 f(x) + 107)$$

$$(2 f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 + 6 x^3 - f(x) x - 5 x^2 + f(x) - 3 x + 2)$$

Sequence: A295861
Score: 11.1991
Type of gen. func.: ogf

$$\frac{7x^2+x-2}{(2x^2-1)(x^2+x-1)}$$

Sequence: A295861
Score: 5.55925
Type of gen. func.: ogf

$$-(3095 f(x) + 4883)$$

$$(2 f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 - f(x) x - 7 x^2 + f(x) - x + 2)$$

Sequence: A295867
Score: 4.83435
Type of gen. func.: ogf

$$3 x (x^{13} + 3 x^{12} + 8 x^{11} + 33 x^{10} + 25 x^9 + 39 x^8 + 35 x^7 + 45 x^6 + 72 x^5 + 23 x^4 + 20 x^3 + 10 x^2 + 7 x + 3) \Big/ ((x^4 + x^3 + x^2 + x + 1)^3 (x - 1)^4)$$

Sequence: A295869
Score: 9.90079
Type of gen. func.: ogf

$$\frac{x^4 + 18 x^3 + 18 x^2 + 36 x + 17}{(x^2 + 1)(x + 1)(x - 1)^2}$$

Sequence: A295873
Score: 8.34809
Type of gen. func.: ogf

$$-\frac{(x^2 - 3 x + 1)^2}{\;{}^{4}\qquad{}^{3}\qquad{}^{2}\;}$$

$$(x - 1) (x - 4 x + 10 x - 6 x + 1)$$

Sequence: A295903
Score: 5.54182
Type of gen. func.: ogf

$$-\frac{4 x^{7} - 92 x^{6} - 113 x^{5} + 24 x^{4} + 95 x^{3} - 20 x^{2} - 4 x - 2}{(2 x - 1)^{2} (x + 1)^{2} (x - 1)^{4}}$$

Sequence: A295904
Score: 12.6325
Type of gen. func.: ogf

$$-\frac{2 (x^{2} - 6 x + 3)}{(x - 1)^{2} (2 x - 1)}$$

Sequence: A295904
Score: 6.87033
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 6, a(1) = 12, a(2) = 20\}$$

Sequence: A295904
Score: 6.93113
Type of gen. func.: ogf

$$(f(x) - 28) (2 f(x) x^{3} - 5 f(x) x^{2} + 4 f(x) x + 2 x^{2} - f(x) - 12 x + 6)$$

Sequence: A295904
Score: 9.21433
Type of gen. func.: lgdogf

$$-\frac{-2 x^{3} + 22 x^{2} - 22 x + 6}{-2 x^{4} + 15 x^{3} - 25 x^{2} + 15 x - 3}$$

Sequence: A295905
Score: 13.1386
Type of gen. func.: lgdogf

$$-\frac{-9 x^{2} - 16 x - 5}{-9 x^{3} + 10 x^{2} - 3 x + 2}$$

Sequence: A295905
Score: 14.2156
Type of gen. func.: ogf

$$-\frac{9 x^{2} - x + 2}{(x - 1)^{3}}$$

Sequence: A295905
Score: 7.22624
Type of gen. func.: ogf

$$(40700 f(x) - 110793) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 9 x^{2} - f(x) - x + 2)$$

Sequence: A295905
Score: 7.67388
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2, a(1) = 5, a(2) = 18\}$$

Sequence: A295906
Score: 13.2940
Type of gen. func.: lgdogf

$$-\frac{4 x^{2} + 18 x + 8}{4 x^{3} + x^{2} - 4 x - 1}$$

Sequence: A295906
Score: 13.9373
Type of gen. func.: ogf

$$-\frac{2 (x + 1) (4 x + 1)}{(x - 1)^3}$$

Sequence: A295906
Score: 7.26145
Type of gen. func.: ogf

$$(5050 f(x) - 34971) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 8 x^2 - f(x) + 10 x + 2)$$

Sequence: A295906
Score: 7.57993
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2, a(1) = 16, a(2) = 50\}$$

Sequence: A295909
Score: 7.35653
Type of gen. func.: ogf

$$-\frac{2 (2 x^5 - 2 x^4 - 3 x^3 + x^2 - 1)}{(2 x + 1) (2 x - 1) (x + 1) (x - 1)^3}$$

Sequence: A295910
Score: 7.30956
Type of gen. func.: ogf

$$-\frac{4 x^5 - 4 x^4 - 5 x^3 + 4 x^2 - x - 4}{(2 x + 1) (2 x - 1) (x + 1) (x - 1)^3}$$

Sequence: A295911
Score: 10.2397
Type of gen. func.: lgdogf

$$-\frac{-21 x^2 + 48 x - 25}{-21 x^3 + 52 x^2 - 39 x + 8}$$

Sequence: A295911
Score: 15.9285
Type of gen. func.: ogf

$$-\frac{7 x - 8}{(3 x - 1) (x - 1)}$$

Sequence: A295911
Score: 8.14524
Type of gen. func.: ogf

$$(52 f(x) + 209) (3 f(x) x^2 - 4 f(x) x + f(x) + 7 x - 8)$$

Sequence: A295911
Score: 8.63593
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 3 a(n), a(0) = 8, a(1) = 25\}$$

Sequence: A295913
Score: 5.49967
Type of gen. func.: ogf

$$(1922 f(x) + 2271)$$

$$(2 f(x) x^4 - 3 f(x) x^2 + 2 x^3 - 2 f(x) x + 2 x^2 + f(x) - 3 x - 5)$$

Sequence: A295913
Score: 9.96317
Type of gen. func.: ogf

$$-\frac{2 x^3 + 2 x^2 - 3 x - 5}{2 x^4 - 3 x^2 - 2 x + 1}$$

Sequence: A295914
Score: 5.98594
Type of gen. func.: ogf

$$-\frac{x^5 - 3x^4 - 7x^3 + 3x^2 + 12x + 8}{(x + 1)(x^5 - 5x^4 + 2x^3 + 4x^2 + 3x - 1)}$$

Sequence: A295921
Score: 5.25470
Type of gen. func.: ogf

$\{-a(n + 5) + 5\, a(n + 4) - 8\, a(n + 3) + 4\, a(n + 2),\ a(0) = 4,\ a(1) = 16,$

$a(2) = 25,\ a(3) = 57,\ a(4) = 129\}$

Sequence: A295921
Score: 5.71496
Type of gen. func.: ogf

$(5921\, f(x) - 16149)$

$(4\, f(x)\, x^3 - 20\, x^4 - 8\, f(x)\, x^2 + 44\, x^3 + 5\, f(x)\, x - 23\, x^2 - f(x) - 4\, x + 4)$

Sequence: A295921
Score: 9.78688
Type of gen. func.: ogf

$$\frac{20x^4 - 44x^3 + 23x^2 + 4x - 4}{(x - 1)(2x - 1)^2}$$

Sequence: A295922
Score: 5.79910
Type of gen. func.: ogf

$$-\frac{96x^5 - 236x^4 + 223x^3 - 100x^2 + 22x - 2}{{}^{4}}$$

$$(4 x - 1) (x - 1) (2 x - 1)$$

Sequence: A295925
Score: 4.18065
Type of gen. func.: ogf

$$-\frac{3 (x + 1) (7 x^{4} + 82 x^{3} + 237 x^{2} + 92 x + 2)}{(x - 1)^{9}}$$

Sequence: A295926
Score: 10.8203
Type of gen. func.: ogf

$$\frac{32 x^{3} - 148 x^{2} + 184 x - 69}{(x - 1) (2 x - 1)^{2}}$$

Sequence: A295926
Score: 5.83827
Type of gen. func.: ogf

$$\{a(n + 4) - 5 a(n + 3) + 8 a(n + 2) - 4 a(n + 1), a(0) = 69, a(1) = 161,$$
$$a(2) = 401, a(3) = 961\}$$

Sequence: A295926
Score: 6.10164
Type of gen. func.: ogf

$$(6393 f(x) + 105931)$$
$$(4 f(x) x^{3} - 8 f(x) x^{2} - 32 x^{3} + 5 f(x) x + 148 x^{2} - f(x) - 184 x + 69)$$

Sequence: A295926
Score: 7.65584
Type of gen. func.: lgdogf

$$-\frac{-168 x^{3} + 492 x^{2} - 486 x + 161}{}$$

$$64 x^5 - 392 x^4 + 844 x^3 - 838 x^2 + 391 x - 69$$

Sequence: A295932
Score: 11.4510
Type of gen. func.: ogf

$$- \frac{48 x^2 - 51 x + 17}{(x - 1) (3 x - 1) (8 x - 1)}$$

Sequence: A295932
Score: 5.85664
Type of gen. func.: ogf

$$(48412259 f(x) + 54912156)$$

$$(24 f(x) x^3 - 35 f(x) x^2 + 12 f(x) x + 48 x^2 - f(x) - 51 x + 17)$$

Sequence: A295932
Score: 6.13775
Type of gen. func.: lgdogf

$$- \frac{1152 x^4 - 2448 x^3 + 2433 x^2 - 1094 x + 153}{1152 x^5 - 2904 x^4 + 2769 x^3 - 1255 x^2 + 255 x - 17}$$

Sequence: A295932
Score: 6.34065
Type of gen. func.: ogf

$$\{a(n + 3) - 12 a(n + 2) + 35 a(n + 1) - 24 a(n), a(0) = 17, a(1) = 153,$$

$$a(2) = 1289\}$$

Sequence: A295933
Score: 14.1599
Type of gen. func.: ogf

$$- \frac{x^2 + 12 x - 8}{}$$

$$(3x - 1)(x - 1)$$

Sequence: A295933
Score: 7.35226
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 3 a(n + 1), a(0) = 8, a(1) = 20, a(2) = 55\}$$

Sequence: A295933
Score: 7.57064
Type of gen. func.: ogf

$$-(73 f(x) + 184) (3 f(x) x^2 - 4 f(x) x + x^2 + f(x) + 12 x - 8)$$

Sequence: A295933
Score: 9.80301
Type of gen. func.: lgdogf

$$-\frac{-40 x^2 + 50 x - 20}{-3 x^4 - 32 x^3 + 71 x^2 - 44 x + 8}$$

Sequence: A295937
Score: 6.26698
Type of gen. func.: ogf

$$-\frac{4 x^5 + 8 x^4 + 8 x^3 - 5 x^2 - 6 x - 2}{4 x^6 + 4 x^5 + 4 x^4 - 9 x^3 - x^2 - x + 1}$$

Sequence: A295938
Score: 4.01884
Type of gen. func.: ogf

$$-\frac{10 x^8 + 15 x^7 - 8 x^6 - 49 x^5 - 51 x^4 - 20 x^3 + 17 x^2 + 12 x + 3}{10 x^9 + 5 x^8 - 13 x^7 - 36 x^6 - 19 x^5 + x^4 + 18 x^3 + 3 x^2 + x - 1}$$

Sequence: A295979
Score: 5.72369
Type of gen. func.: ogf

$$-\frac{4x^5+8x^4+14x^3+x^2-3x-1}{4x^6+4x^5+10x^4-9x^3+2x^2-3x+1}$$

Sequence: A295980
Score: 3.33670
Type of gen. func.: ogf

$$-(x^9+15x^8+18x^7+38x^6-2x^5-42x^4-57x^3-14x^2+11x+1) / (x^{10}+14x^9+4x^8+33x^7-34x^6-12x^5-44x^4+21x^3-2x^2+4x-1)$$

Sequence: A295986
Score: 7.91368
Type of gen. func.: ogf

$$-\frac{64x^6-112x^5+64x^4-17x^2+7x-1}{(2x-1)^4}$$

Sequence: A296000
Score: 8.54772
Type of gen. func.: ogf

$$\frac{(x+1)(x-1)^2}{x^9-x^8+x^3+x^2-4x+1}$$

Sequence: A296001
Score: 9.40582
Type of gen. func.: ogf

$$-\frac{(x-1)^3}{x^9 - x^8 + 3x^2 - 5x + 1}$$

Sequence: A296003
Score: 9.73695
Type of gen. func.: ogf

$$\frac{2(x+1)(x-1)^2}{x^9 - x^8 + x^4 - 3x + 1}$$

Sequence: A296005
Score: 9.86844
Type of gen. func.: ogf

$$\frac{(x+2)(x-1)^2}{x^{10} - x^9 + 2x^3 - x^2 - 3x + 1}$$

Sequence: A296014
Score: 3.72354
Type of gen. func.: ogf

$$-\frac{x^9 + 8x^8 + 13x^7 + 7x^6 - 26x^5 - 35x^4 - 11x^3 + 8x^2 + 10x + 3}{x^{10} + 7x^9 + 6x^8 + x^7 - 27x^6 - 11x^5 - 3x^4 + 11x^3 + 3x^2 + x - 1}$$

Sequence: A296033
Score: 9.45269
Type of gen. func.: ogf

$$-\frac{4x^4 + 4x^3 + 6x^2 + 4x + 1}{4x^5 + 6x^3 + x - 1}$$

Sequence: A296034

```
Score: 3.57884
Type of gen. func.: ogf


      10      9      8       7       6       5       4       3      2
- (2 x   + 5 x  - 6 x  - 28 x  - 19 x  + 25 x  + 34 x  + 14 x  - 8 x  - 9 x - 1

        /
    )  /  (
      /

       11      10      9       8       6       5      4       3    2
    2 x   + 3 x   - 9 x  - 19 x  + 23 x  + 12 x  + 7 x  - 11 x  - x  - 2 x + 1)


------------------------------------------------------------------------------

Sequence:  A296046
Score: 23.9181
Type of gen. func.: ogf_with_Euler_transform]


                                       1
                                ----------------
                                  3    2
                                -x  - x  + x + 1



------------------------------------------------------------------------------

Sequence:  A296047
Score: 7.94546
Type of gen. func.: ogf_with_Euler_transform]


                                   4    2
                                 -x  - x  + x - 1
                     - ------------------------------------
                         7    6    5    4    3    2
                       -x  - x  - x  - x  + x  + x  + x + 1



------------------------------------------------------------------------------

Sequence:  A296063
Score: 10.3287
Type of gen. func.: ogf


                                       2
                                      x  + 1
                               - -----------------
                                                2
                                 (x - 1) (x + 1)



------------------------------------------------------------------------------

Sequence:  A296063
Score: 20.2015
Type of gen. func.: ogf_with_Euler_transform]


                                   3
                                [-x  + 3 x - 1]
```

Sequence: A296063
Score: 5.25656
Type of gen. func.: ogf

$$\{a(n + 3) + a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = -1, a(2) = 3\}$$

Sequence: A296063
Score: 6.9263
Type of gen. func.: ogf

$$f(x) x^{3} + f(x) x^{2} - f(x) x + x^{2} - f(x) + 1$$

Sequence: A296063
Score: 9.81225
Type of gen. func.: lgdogf

$$- \frac{x^{3} - x^{2} + 5 x - 1}{x^{4} - 1}$$

Sequence: A296064
Score: 7.21956
Type of gen. func.: ogf

$$- \frac{x (2 x^{4} - x^{3} - 4 x^{2} + 3 x + 2)}{(x - 1) (x + 1)^{2}}$$

Sequence: A296065
Score: 5.67271
Type of gen. func.: ogf

$$\frac{x (2 x^{4} - x^{3} - 4 x^{2} + 3 x + 2)}{(x - 1)^{2} (x + 1)^{2}}$$

Sequence: A296066
Score: 11.4778
Type of gen. func.: ogf

$$-f(x)\,x^2 + x^3 - x^2 + f(x) - x$$

Sequence: A296066
Score: 12.3440
Type of gen. func.: ogf

$$\frac{x\,(x^2 - x - 1)}{(x - 1)\,(x + 1)}$$

Sequence: A296066
Score: 6.95994
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 2),\ a(0) = 0,\ a(1) = 1,\ a(2) = 1,\ a(3) = 0\}$$

Sequence: A296066
Score: 9.62109
Type of gen. func.: lgdogf

$$-\frac{-x^2 - 1}{x^4 - x^3 - 2\,x^2 + x + 1}$$

Sequence: A296069
Score: 7.40141
Type of gen. func.: ogf

$$\frac{x\,(2\,x^4 + x^3 - 4\,x^2 - 3\,x - 2)}{(x - 1)\,(x + 1)^2}$$

Sequence: A296070
Score: 9.62436
Type of gen. func.: ogf

$$-\frac{x (2 x^4 + x^3 - 4 x^2 - 3 x - 2)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A296086
Score: 12.8977
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A296086
Score: 32.0488
Type of gen. func.: ogf

$$\frac{1}{(x - 1)^2}$$

Sequence: A296086
Score: 37.7718
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A296086
Score: 81.1285
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A296102
Score: 6.02172
Type of gen. func.: ogf

$$-\frac{9 x^8 + 8 x^7 - 24 x^5 - 50 x^4 + 8 x^3 - 12 x^2 - 3}{(x^3 + x^2 - x + 1) (x^3 + x^2 + 3 x - 1) (x^3 - x^2 - x - 1)}$$

Sequence: A296109
Score: 6.27484
Type of gen. func.: ogf

$$-\frac{4 x^5 + 10 x^4 + 8 x^3 + x^2 - x - 1}{4 x^6 + 6 x^5 + 2 x^4 - 5 x^3 - 2 x^2 - x + 1}$$

Sequence: A296124
Score: 4.45624
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^7 - x^6 - x^5 - 3 x^4 + 15 x^3 + 19 x^2 - 9 x - 1)}{x^9 - x^8 - x^7 - 3 x^6 + 14 x^5 + 18 x^4 - 5 x^3 - x^2 - 3 x + 1}$$

Sequence: A296141
Score: 8.69803
Type of gen. func.: ogf

$$-\frac{x^2 (x^3 + x^2 - x + 1)}{(x^2 + 1)^2 (x + 1)^2 (x - 1)^3}$$

Sequence: A296159
Score: 8.69803
Type of gen. func.: ogf

$$-\frac{x^3 (x^3 - x^2 + x + 1)}{(x^2 + 1)^2 (x + 1)^2 (x - 1)^3}$$

Sequence: A296160
Score: 8.12088
Type of gen. func.: ogf

$$x^3 (x^4 + x^3 + x^2 + x + 2)$$

$$- \frac{}{(x^2 + 1)^2 (x + 1)^2 (x - 1)^3}$$

Sequence: A296161
Score: 8.41955
Type of gen. func.: ogf

$$- \frac{x (2 x^4 + x^3 + x^2 + x + 1)}{(x^2 + 1)^2 (x + 1)^2 (x - 1)^3}$$

Sequence: A296185
Score: 16.6813
Type of gen. func.: lgdogf

$$- \frac{x + 15}{x^2 + 6 x - 7}$$

Sequence: A296185
Score: 17.0289
Type of gen. func.: ogf

$$\frac{16 (x + 7)}{(x - 1)^2}$$

Sequence: A296185
Score: 9.08206
Type of gen. func.: ogf

$$(f(x) + 113) (f(x) x^2 - 2 f(x) x + f(x) - 16 x - 112)$$

Sequence: A296185
Score: 9.50448
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 112, a(1) = 240\}$$

Sequence: A296189
Score: 3.8765
Type of gen. func.: ogf

$$(110151 f(x) + 321857) (3072 f(x) x^4 - 1984 f(x) x^3 + 9216 x^4 + 432 f(x) x^2 - 5952 x^3 - 36 f(x) x + 1328 x^2 + f(x) - 80 x)$$

Sequence: A296189
Score: 6.59004
Type of gen. func.: ogf

$$-\frac{16 x (576 x^3 - 372 x^2 + 83 x - 5)}{(16 x - 1) (12 x - 1) (4 x - 1)^2}$$

Sequence: A296193
Score: 4.78534
Type of gen. func.: ogf

$$x (4320 x^9 - 576 x^8 - 6162 x^7 + 650 x^6 + 1845 x^5 - 660 x^4 - 288 x^3 + 45 x^2 + 15 x + 1)/((x - 1) (4 x - 1) (3 x - 1) (2 x + 1) (2 x - 1) (3 x + 1) (4 x + 1) (x + 1))$$

Sequence: A296196
Score: 10.3111
Type of gen. func.: ogf

$$\frac{2 x (x^2 - x - 3)}{(x - 1)^5}$$

Sequence: A296196
Score: 13.1665
Type of gen. func.: lgdogf

$$-3 x^2 + 2 x + 16$$

$$-\frac{\quad}{-x^{3}+2x^{2}+2x-3}$$

Sequence: A296196
Score: 4.32232
Type of gen. func.: ogf

$$\{(-9-3n)\,a(n+4)+(20+2n)\,a(n+3)+(2n+4)\,a(n+2)$$

$$+(-3-n)\,a(n+1),\ a(0)=0,\ a(1)=6,\ a(2)=32,\ a(3)=98\}$$

Sequence: A296197
Score: 10.1558
Type of gen. func.: ogf

$$\frac{x\,(x+2)\,(x^{2}-2x-1)}{(x+1)\,(x-1)^{5}}$$

Sequence: A296197
Score: 9.03978
Type of gen. func.: lgdogf

$$-\frac{-3x^{4}-4x^{3}+22x^{2}+32x+13}{-x^{5}+6x^{3}+2x^{2}-5x-2}$$

Sequence: A296198
Score: 6.88809
Type of gen. func.: ogf

$$\frac{x\,(x^{5}-3x^{3}-3x^{2}-6x-1)}{(x+1)^{3}\,(x-1)^{5}}$$

Sequence: A296200
Score: 7.34392
Type of gen. func.: ogf

$$\frac{2 x^4 - x^3 - 9 x^2 - 3 x - 1}{(x + 1)^3 (x - 1)^5}$$

Sequence: A296221
Score: 10.3794
Type of gen. func.: ogf

$$- \frac{x - 1}{x^{10} - x^9 + x^3 + x^2 - 4 x + 1}$$

Sequence: A296223
Score: 8.47106
Type of gen. func.: ogf

$$\frac{(x - 1) (2 x^2 - 1)}{x^8 - x^7 + x^3 + x^2 - 4 x + 1}$$

Sequence: A296225
Score: 9.27939
Type of gen. func.: ogf

$$\frac{x^2 - x + 1}{x^{11} - x^{10} + x^3 + x^2 - 4 x + 1}$$

Sequence: A296227
Score: 10.3564
Type of gen. func.: ogf

$$\frac{x^2 - 3 x + 1}{x^7 - x^6 + 3 x^2 - 5 x + 1}$$

Sequence: A296253
Score: 6.27741

Type of gen. func.: ogf

$$\frac{27 x^{14} - 56 x^{13} + 29 x^{12} + 7 x^{5} - 15 x^{4} + 6 x^{3} + 3 x^{2} + 1}{(x^{2} + x - 1) (x - 1)^{3}}$$

Sequence: A296255
Score: 6.08719
Type of gen. func.: ogf

$$\frac{29 x^{15} - 60 x^{14} + 31 x^{13} + 7 x^{5} - 14 x^{4} + 2 x^{3} + 9 x^{2} - 4 x + 2}{(x^{2} + x - 1) (x - 1)^{3}}$$

Sequence: A296256
Score: 5.99634
Type of gen. func.: ogf

$$\frac{21 x^{11} - 44 x^{10} + 23 x^{9} + 12 x^{5} - 28 x^{4} + 13 x^{3} + 10 x^{2} - 8 x + 3}{(x^{2} + x - 1) (x - 1)^{3}}$$

Sequence: A296267
Score: 5.32125
Type of gen. func.: ogf

$$(16 x^{15} - 33 x^{14} + 28 x^{13} - 23 x^{12} + 12 x^{11} + 5 x^{5} - 9 x^{4} - x^{3} + 7 x^{2} - x + 1) \Big/ ((x^{2} + x - 1) (x - 1)^{3})$$

Sequence: A296277
Score: 5.96044
Type of gen. func.: ogf

$$\frac{18 x^{17} - 22 x^{16} - 12 x^{15} + 16 x^{14} + 10 x^{5} - 19 x^{4} + 16 x^{2} - 8 x + 3}{(x^{2} + x - 1) (x - 1)^{3}}$$

Sequence: A296278
Score: 4.37064
Type of gen. func.: ogf

$\{(n + 7)\, a(n + 1) + 3\, a(n + 2) + (-2 n - 11)\, a(n + 3) + (n + 4)\, a(n + 4),$

$a(0) = 1, a(1) = 2, a(2) = 63, a(3) = 185\}$

Sequence: A296278
Score: 7.05436
Type of gen. func.: ogf

$$\frac{23 x^5 - 87 x^4 + 118 x^3 - 62 x^2 + 3 x - 1}{(x^2 + x - 1) (x - 1)^4}$$

Sequence: A296279
Score: 4.59541
Type of gen. func.: ogf

$\{(-n - 6)\, a(n) - 3\, a(n + 1) + (2 n + 9)\, a(n + 2) + (-3 - n)\, a(n + 3), a(0) = 1,$

$a(1) = 3, a(2) = 44, a(3) = 167\}$

Sequence: A296279
Score: 6.59178
Type of gen. func.: ogf

$$\frac{20 x^6 - 58 x^5 + 37 x^4 + 32 x^3 - 38 x^2 + 2 x - 1}{(x^2 + x - 1) (x - 1)^4}$$

Sequence: A296309
Score: 7.78256
Type of gen. func.: ogf

$$- \frac{2 x^5 + 2 x^4 + x^3 - 3 x^2 - 3 x - 1}{2 x^6 + x^4 - 4 x^3 - x + 1}$$

Sequence: A296315
Score: 4.13603
Type of gen. func.: ogf

$$- \frac{x^{10} + x^{9} - 3 x^{8} - 3 x^{7} + 2 x^{6} - 2 x^{5} - 4 x^{4} + 2 x^{3} + 9 x^{2} + 8 x + 3}{(x^{3} - x^{2} - 1) (x^{8} + x^{7} - 2 x^{6} - x^{5} + x^{4} - 4 x^{3} - 5 x^{2} - x + 1)}$$

Sequence: A296322
Score: 5.13799
Type of gen. func.: ogf

$$- \frac{x^{7} - x^{6} + x^{5} - x^{4} - 2 x^{3} - 2 x^{2} - 3 x - 1}{(x^{2} + 1) (x^{6} - 2 x^{5} + 2 x^{4} - 2 x^{3} - 2 x + 1)}$$

Sequence: A296329
Score: 7.41683
Type of gen. func.: ogf

$$- \frac{x^{4} + 3 x^{3} + 5 x^{2} + 5 x + 3}{x^{5} + 2 x^{4} + 3 x^{3} + 2 x^{2} + x - 1}$$

Sequence: A296330
Score: 4.43647
Type of gen. func.: ogf

$$- \frac{x^{8} + x^{7} - 2 x^{6} - 5 x^{5} - 5 x^{4} + x^{3} + 6 x^{2} + 9 x + 5}{(x^{2} + x + 1) (x^{7} - x^{6} - 2 x^{5} + 2 x^{2} + 3 x - 1)}$$

Sequence: A296337
Score: 6.52142
Type of gen. func.: ogf

$$- (2 x^{14} + x^{12} - 2 x^{11} - 2 x^{10} + 4 x^{9} - x^{8} - 4 x^{7} - 4 x^{5} - 4 x^{4} - 4 x^{3} - x^{2}$$

$$- 2 x - 1) \Big/ ((x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2)$$

Sequence: A296361
Score: 4.45629
Type of gen. func.: ogf

$$- 2 (13 x^{10} - 32 x^9 + 8 x^8 + 35 x^7 - 26 x^6 - 16 x^5 + 34 x^4 - 10 x^3 - 33 x^2$$

$$+ 28 x + 1) \Big/ ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^5)$$

Sequence: A296363
Score: 11.0402
Type of gen. func.: lgdogf

$$- \frac{-x^3 + x^2 + 10 x + 38}{-x^4 + 3 x^3 + 7 x - 9}$$

Sequence: A296363
Score: 4.89206
Type of gen. func.: ogf

$$\{(407 n^2 + 1169 n) a(n) + (-430 n^2 + 554 n + 2508) a(n + 1)$$

$$+ (23 n^2 - 571 n - 594) a(n + 2), a(0) = 0, a(1) = 18\}$$

Sequence: A296363
Score: 5.30503
Type of gen. func.: ogf

$$(825984 f(x) + 15925721) (f(x) x^4 - 4 f(x) x^3 + 2 x^4 + 6 f(x) x^2 - 4 x^3$$

$$- 4 f(x) x - 4 x^2 + f(x) - 18 x)$$

Sequence: A296363
Score: 9.96310

Type of gen. func.: ogf

$$-\frac{2x(x^3-2x^2-2x-9)}{(x-1)^4}$$

Sequence: A296367
Score: 8.96256
Type of gen. func.: ogf

$$\frac{4x(5x^4+18x^3+29x^2+26x+12)}{(x+1)(x^2+x+1)(x-1)^4}$$

Sequence: A296368
Score: 9.03775
Type of gen. func.: ogf

$$-\frac{x^6-x^5-2x^4-4x^2-x-1}{(x^2+1)(x-1)^2}$$

Sequence: A296376
Score: 7.91941
Type of gen. func.: ogf

$$\frac{3x^4+16x^3-127x^2-16x-2}{(x-1)(x^2-16x+1)(x^2+16x+1)}$$

Sequence: A296377
Score: 10.3275
Type of gen. func.: ogf

$$-\frac{(x-1)(x^2+8x+1)}{(x^2-16x+1)(x^2+16x+1)}$$

Sequence: A296377
Score: 5.91404
Type of gen. func.: ogf

$$(156074688\, f(x) + 5891591)\, (f(x)\, x^4 - 254\, f(x)\, x^2 + x^3 + 7\, x^2 + f(x) - 7\, x - 1)$$

Sequence: A296380
Score: 5.52574
Type of gen. func.: ogf

$$-\frac{(x^2 - x - 1)\, (x^5 - x^4 + 2\, x^3 + 2\, x + 2)}{x^8 - 3\, x^7 + 5\, x^6 - 6\, x^5 + 6\, x^4 - 6\, x^3 + x^2 - 3\, x + 1}$$

Sequence: A296388
Score: 7.56786
Type of gen. func.: ogf

$$-\frac{x^{13} - x^{11} - x^{10} - 4\, x^9 + x^8 - x^7 + 3\, x^6 + 4\, x^5 - 2\, x^4 - 3\, x - 1}{(x^2 + 1)\, (x - 1)^2\, (x + 1)^2}$$

Sequence: A296390
Score: 4.58766
Type of gen. func.: ogf

$$-\frac{x^8 + x^7 - 4\, x^6 - 4\, x^5 + 3\, x^4 + x^3 + x^2 + 4\, x + 2}{x^9 - 4\, x^7 - x^6 + 4\, x^5 - x^4 + 2\, x^3 + 2\, x^2 + x - 1}$$

Sequence: A296399
Score: 4.28729
Type of gen. func.: ogf

$$-\frac{x^8 - x^7 - 3\, x^6 - 2\, x^5 + x^4 - 5\, x^3 - 3\, x^2 + x + 1}{(x^2 - 3\, x + 1)\, (x^7 + x^6 + x^5 + 2\, x^3 - 1)}$$

Sequence: A296420
Score: 7.42396
Type of gen. func.: ogf

$$-\frac{x^9+10x^8+5x^7+10x^6+5x^5+2x^4+5x^3+10x^2+5x+10}{(x-1)(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)}$$

Sequence: A296515
Score: 13.7098
Type of gen. func.: lgdogf

$$-\frac{-3x-3}{-x^3+1}$$

Sequence: A296515
Score: 24.0014
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^2+3]$$

Sequence: A296515
Score: 4.86477
Type of gen. func.: ogf

{-a(n + 5) + 2 a(n + 4) - a(n + 3), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 3,

a(4) = 6}

Sequence: A296515
Score: 8.60317
Type of gen. func.: ogf

$$-f(x)\,(-x^4+f(x)\,x^2-x^3-2\,f(x)\,x-x^2+f(x))$$

Sequence: A296515
Score: 9.88905

Type of gen. func.: ogf

$$\frac{x^2 (x^2 + x + 1)}{(x - 1)^2}$$

Sequence: A296518
Score: 8.18759
Type of gen. func.: ogf

$$- (2 x^{13} + 3 x^{12} + 2 x^{11} - 2 x^{10} - x^9 - 9 x^8 - 4 x^7 + 5 x^4 - 2 x^3 - 2 x^2 - x - 3) / ((x - 1)^2 (x + 1)^2 (x^2 + 1)^2)$$

Sequence: A296536
Score: 3.46352
Type of gen. func.: ogf

$$- \frac{x^{11} + 5 x^{10} + 7 x^9 - 6 x^7 - 4 x^6 - 8 x^5 - 12 x^4 - 5 x^3 - 7 x^2 - 3 x - 1}{(x^3 + x^2 + 1) (x^9 + 3 x^8 - 4 x^6 - 2 x^5 + x^4 - 4 x^3 - 2 x + 1)}$$

Sequence: A296550
Score: 9.54335
Type of gen. func.: ogf

$$- \frac{x^6 + x^5 + 2 x^3 + 2 x^2 + 1}{x^7 + 2 x^4 + x - 1}$$

Sequence: A296551
Score: 6.25648
Type of gen. func.: ogf

$$- \frac{x^9 + x^8 + 3 x^6 + 4 x^5 + x^4 + 3 x^3 + 3 x^2 + 1}{(x + 1) (x^2 - x + 1) (x^7 + 2 x^4 + x^3 + x - 1)}$$

Sequence: A296552
Score: 4.16347
Type of gen. func.: ogf

$$- \frac{x^{12} + x^{11} + 4 x^{9} + 6 x^{8} + 2 x^{7} + 6 x^{6} + 9 x^{5} + 4 x^{4} + 5 x^{3} + 4 x^{2} + 1}{x^{13} + 4 x^{10} + 2 x^{9} + 6 x^{7} + 3 x^{6} + x^{5} + 4 x^{4} + x - 1}$$

Sequence: A296572
Score: 4.48262
Type of gen. func.: ogf

$$- \frac{x^{8} - 7 x^{6} - 6 x^{5} + 3 x^{4} + 3 x^{3} + 4 x^{2} + 7 x + 4}{x^{9} - x^{8} - 6 x^{7} - x^{6} + 4 x^{5} + x^{4} + 3 x^{3} + 4 x^{2} + x - 1}$$

Sequence: A296579
Score: 8.86871
Type of gen. func.: ogf

$$\frac{16 (x^{5} + 3 x^{4} + 5 x^{3} + 8 x^{2} + 8 x + 7)}{(x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A296582
Score: 4.46315
Type of gen. func.: ogf

$$- \frac{x^{8} - 4 x^{7} - 7 x^{6} - 4 x^{5} - 3 x^{4} - 10 x^{3} - 8 x^{2} + 3}{x^{9} - 5 x^{8} - 2 x^{7} - 3 x^{6} - 8 x^{4} - x^{3} + x^{2} + 3 x - 1}$$

Sequence: A296593
Score: 5.56838
Type of gen. func.: ogf

$$- \frac{x^{7} + 2 x^{6} - x^{4} - 4 x^{2} - 5 x - 2}{}$$

$$x^{8} + x^{7} - x^{6} - x^{4} - 4\,x^{3} - x^{2} - 3\,x + 1$$

Sequence: A296602
Score: 10.0869
Type of gen. func.: ogf

$$-\frac{2\,x^{13} - 2\,x^{12} + 2\,x^{9} - 2\,x^{8} + 2\,x^{5} - 2\,x^{4} + 2\,x^{3} + 11\,x^{2} - 11\,x - 4}{(x - 1)^{2}}$$

Sequence: A296618
Score: 15.3912
Type of gen. func.: lgdegf]

$$-\frac{-1 - 4\,x}{-4\,x + 1}$$

Sequence: A296618
Score: 4.59440
Type of gen. func.: ogf

$$\{(-4\,n - 8)\,a(n + 1) + (-4\,n - 9)\,a(n + 2) + a(n + 3),\ a(0) = 1,\ a(1) = 1,\ a(2) = 9\}$$

Sequence: A296626
Score: 4.05515
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3\,x - 2}{-2\,x^{2} + 1}$$

Sequence: A296636
Score: 10.3998
Type of gen. func.: ogf

$$x\,(13\,x^{3} + 11\,x^{2} + 8\,x + 7)$$

$${}^{4}\qquad{}^{4}$$

$$(x - 1)\ (x + 1)$$

Sequence: A296636
Score: 8.87044
Type of gen. func.: lgdogf

$$-\frac{-65 x^4 - 66 x^3 - 95 x^2 - 78 x - 8}{-13 x^5 - 11 x^4 + 5 x^3 + 4 x^2 + 8 x + 7}$$

Sequence: A296645
Score: 5.90530
Type of gen. func.: ogf

$$-\frac{4 x^5 + 16 x^4 + 16 x^3 - 5 x^2 - 8 x - 4}{4 x^6 + 12 x^5 + 4 x^4 - 9 x^3 - 3 x^2 - x + 1}$$

Sequence: A296646
Score: 3.27384
Type of gen. func.: ogf

$$- (2 x^9 + 15 x^8 + 20 x^7 + 16 x^6 - 8 x^5 - 55 x^4 - 54 x^3 + 11 x^2 + 15 x + 7) \Big/ (2 x^{10} + 13 x^9 + 7 x^8 + 9 x^7 - 17 x^6 - 42 x^5 - 12 x^4 + 18 x^3 + 6 x^2 + 2 x - 1)$$

Sequence: A296660
Score: 16.1861
Type of gen. func.: lgdegf]

$$-\frac{-2 - 8 x}{-4 x + 1}$$

Sequence: A296660
Score: 4.72586
Type of gen. func.: ogf

$\{(-8 n - 16) a(n + 1) + (-4 n - 10) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 2, a(2) = 20\}$

Sequence: A296661
Score: 3.72723
Type of gen. func.: ogf

$\{(9 n + 18) a(n + 1) - 9 a(n + 2) + (-n - 4) a(n + 3) + a(n + 4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 15\}$

Sequence: A296665
Score: 4.14878
Type of gen. func.: ogf

$\{(-16 n^2 - 56 n - 48) a(n + 1) + (8 n^2 + 30 n + 24) a(n + 2) + (-n^2 - 4 n - 3) a(n + 3), a(0) = 1, a(1) = 4, a(2) = 20\}$

Sequence: A296665
Score: 5.11493
Type of gen. func.: ogf

$-64 f(x)^2 x^3 + 48 f(x)^2 x^2 - 12 f(x)^2 x + 32 f(x) x^2 + f(x)^2 - 16 f(x) x - 16 x^2 + 2 f(x) + 12 x - 3$

Sequence: A296668
Score: 6.48517
Type of gen. func.: ogf

$$-\frac{4 x^5 + 16 x^4 + 22 x^3 + 5 x^2 - x - 3}{4 x^6 + 12 x^5 + 10 x^4 - 5 x^3 - 3 x + 1}$$

Sequence: A296682
Score: 5.92273
Type of gen. func.: ogf

$$-\frac{4x^5 - 4x^4 - 6x^3 - 9x^2 - 6x - 2}{4x^6 - 8x^5 + 2x^4 - 11x^3 + x^2 - 3x + 1}$$

Sequence: A296716
Score: 10.7376
Type of gen. func.: ogf

$$\frac{x^4 + 16x^3 + 2x^2 + 4x + 7}{(x^2 + 1)(x + 1)(x - 1)^2}$$

Sequence: A296719
Score: 11.0221
Type of gen. func.: ogf

$$-\frac{3(2x^2 + 2x + 1)}{6x^3 + 2x^2 + x - 1}$$

Sequence: A296719
Score: 5.74659
Type of gen. func.: ogf

$$-(13 f(x) + 21)(6 f(x) x^3 + 2 f(x) x^2 + f(x) x + 6x^2 - f(x) + 6x + 3)$$

Sequence: A296719
Score: 5.95001
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 2 a(n + 1) + 6 a(n), a(0) = 3, a(1) = 9, a(2) = 21\}$$

Sequence: A296720
Score: 3.74304
Type of gen. func.: ogf

$$- (2x^9 + 5x^8 - 3x^7 - 20x^6 - 23x^5 + 7x^4 + 32x^3 + 9x^2 - 6x - 5) \; / \; ($$

/

$$(x - 1) (2 x^{9} + 5 x^{8} - x^{7} - 15 x^{6} - 24 x^{5} - 10 x^{4} + 9 x^{3} + 5 x^{2} + 2 x - 1))$$

Sequence: A296726
Score: 3.61196
Type of gen. func.: ogf

$$\{(n^{3} + 6 n^{2} + 12 n + 8) a(n + 1) + (-n^{2} - 4 n - 4) a(n + 2) + (-n - 4) a(n + 3) + a(n + 4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 7\}$$

Sequence: A296727
Score: 4.00372
Type of gen. func.: ogf

$$\{(-n^{3} - 6 n^{2} - 12 n - 8) a(n + 1) + (n^{2} + 4 n + 4) a(n + 2) + (-n - 4) a(n + 3) + a(n + 4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 5\}$$

Sequence: A296733
Score: 6.51620
Type of gen. func.: ogf

$$- \frac{(2 x^{2} + x + 2) (6 x^{3} + 2 x^{2} - 2 x - 1)}{12 x^{6} - 2 x^{5} + 12 x^{4} - 8 x^{3} + x^{2} - 3 x + 1}$$

Sequence: A296766
Score: 9.00644
Type of gen. func.: ogf

$$- \frac{3 x^{56} + 11718 x^{55} - 61 x + 62}{192 x^{56} - 189 x^{55} - x^{2} + 2 x - 1}$$

Sequence: A296769
Score: 4.58134
Type of gen. func.: ogf

$\{(-16 n - 56) a(n + 1) + (8 n + 30) a(n + 2) + (-n - 4) a(n + 3), a(0) = 1, a(1) = 7, a(2) = 38\}$

Sequence: A296769
Score: 5.22613
Type of gen. func.: ogf

$$-64 f(x)^2 x^4 + 48 f(x)^2 x^3 - 12 f(x)^2 x^2 + f(x)^2 x + 16 f(x) x^2 - 8 f(x) x + f(x) - 1$$

Sequence: A296770
Score: 4.49101
Type of gen. func.: ogf

$$64 f(x)^2 x^4 - 48 f(x)^2 x^3 + 12 f(x)^2 x^2 + 32 f(x) x^3 - f(x)^2 x - 32 f(x) x^2 + 10 f(x) x + 4 x^2 - f(x) - 4 x + 1$$

Sequence: A296771
Score: 5.01701
Type of gen. func.: ogf

$$-64 f(x)^2 x^3 + 48 f(x)^2 x^2 - 12 f(x)^2 x + 16 f(x) x^2 + f(x)^2 - 8 f(x) x - 16 x^2 + f(x) + 11 x - 2$$

Sequence: A296775
Score: 13.3472
Type of gen. func.: ogf

$$-\frac{(x - 1)^3}{2 x + 1}$$

Sequence: A296775
Score: 14.7375
Type of gen. func.: lgdogf

$$-\frac{4 x + 5}{-2 x^2 + x + 1}$$

Sequence: A296775
Score: 7.21839
Type of gen. func.: ogf

$$\{a(n + 4) + 2 a(n + 3), a(0) = 1, a(1) = -5, a(2) = 13, a(3) = -27\}$$

Sequence: A296775
Score: 7.60647
Type of gen. func.: ogf

$$-(2005 f(x) - 1053) (x^3 + 2 f(x) x - 3 x^2 + f(x) + 3 x - 1)$$

Sequence: A296779
Score: 3.86576
Type of gen. func.: ogf

$$-\frac{16 x (x^8 + 14 x^7 + 73 x^6 + 160 x^5 + 224 x^4 + 160 x^3 + 73 x^2 + 14 x + 1)}{(x + 1)^5 (x - 1)^7}$$

Sequence: A296786
Score: 6.53614
Type of gen. func.: ogf

$$(x^{13} - x^{12} - x^{11} - 2 x^{10} - 4 x^9 + 5 x^8 + 2 x^7 + 5 x^6 + x^5 - 2 x^4 + 3 x^3 + x^2 + 2 x + 2) / ((x - 1)^2 (x + 1)^2 (x^2 + 1)^2)$$

Sequence: A296795
Score: 9.21407
Type of gen. func.: ogf

$$-\frac{11 x^5 + 13 x^4 + 14 x^3 - 22 x^2 - 14 x - 13}{}$$

$$x^6 - 4 x^3 + 1$$

Sequence: A296796
Score: 10.0614
Type of gen. func.: ogf

$$\frac{3 (4 x^4 + 5 x^3 + 11 x^2 + 5 x + 4)}{x^6 - 4 x^3 + 1}$$

Sequence: A296798
Score: 5.54448
Type of gen. func.: ogf

$$- \frac{(2 x + 1) (8 x^4 + 10 x^3 + 3 x^2 - 2 x - 2)}{(2 x^3 + x^2 - 1) (8 x^3 + 2 x^2 + x - 1)}$$

Sequence: A296805
Score: 8.81945
Type of gen. func.: ogf

$$- \frac{2 x^2 (x^4 + 2 x^2 - x + 1)}{(x^2 + 1)^2 (x + 1)^2 (x - 1)^3}$$

Sequence: A296817
Score: 10.3193
Type of gen. func.: lgdogf

$$- \frac{x^2 + 14 x + 9}{-x^3 - 5 x^2 + 5 x + 1}$$

Sequence: A296817
Score: 10.9960
Type of gen. func.: ogf

$$-\frac{(x-1)^3}{x^2+6x+1}$$

Sequence: A296817
Score: 5.73296
Type of gen. func.: ogf

{a(n + 4) + 6 a(n + 3) + a(n + 2), a(0) = 1, a(1) = -9, a(2) = 56, a(3) = -328}

Sequence: A296817
Score: 6.21071
Type of gen. func.: ogf

$$-(154 f(x) - 39) (f(x) x^2 + x^3 + 6 f(x) x - 3 x^2 + f(x) + 3 x - 1)$$

Sequence: A296819
Score: 7.26698
Type of gen. func.: ogf

$$\frac{x (4 x^4 + 7 x^3 + 9 x^2 + 3 x + 1)}{(x + 1)^3 (x - 1)^4}$$

Sequence: A296821
Score: 6.19015
Type of gen. func.: ogf

$$-\frac{8 x^5 + 18 x^4 + 12 x^3 - 3 x^2 - 3 x - 1}{8 x^6 + 10 x^5 + 2 x^4 - 5 x^3 - 3 x + 1}$$

Sequence: A296876
Score: 62.8448
Type of gen. func.: ogf_with_Euler_transform]

Sequence: A296876
Score: 7.59181
Type of gen. func.: ogf

$$-\frac{7x^{62}+14x^{61}+6x^{2}+3x+1}{21x^{62}-14x^{61}-6x^{4}+9x^{3}-x^{2}-x-1}$$

Sequence: A296879
Score: 24.8459
Type of gen. func.: ogf

$$\frac{1}{(x-1)^{2}}$$

Sequence: A296879
Score: 29.2827
Type of gen. func.: lgdogf

$$\frac{2}{-x+1}$$

Sequence: A296879
Score: 62.8448
Type of gen. func.: ogf_with_Euler_transform]

$$[2]$$

Sequence: A296879
Score: 9.64606
Type of gen. func.: ogf

$$-(f(x)+1)\,(f(x)\,x^{2}-2\,f(x)\,x+f(x)-1)$$

Sequence: A296879
Score: 9.99896

Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A296882
Score: 24.8459
Type of gen. func.: ogf

$$\frac{1}{(x - 1)^{2}}$$

Sequence: A296882
Score: 29.2827
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A296882
Score: 62.8448
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A296882
Score: 9.64606
Type of gen. func.: ogf

$$-(f(x) + 1) (f(x) x^{2} - 2 f(x) x + f(x) - 1)$$

Sequence: A296882
Score: 9.99896
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A296885

```
Score: 24.8459
Type of gen. func.: ogf


                                         1
                                      --------
                                             2
                                     (x - 1)



--------------------------------------------------------------------------------

Sequence:  A296885
Score: 29.2827
Type of gen. func.: lgdogf


                                         2
                                       ------
                                       -x + 1



--------------------------------------------------------------------------------

Sequence:  A296885
Score: 62.8448
Type of gen. func.: ogf_with_Euler_transform]


                                        [2]



--------------------------------------------------------------------------------

Sequence:  A296885
Score: 9.64606
Type of gen. func.: ogf


                                       2
                  -(f(x) + 1) (f(x) x  - 2 f(x) x + f(x) - 1)



--------------------------------------------------------------------------------

Sequence:  A296885
Score: 9.99896
Type of gen. func.: ogf


              {-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 2}



--------------------------------------------------------------------------------

Sequence:  A296888
Score: 24.8459
Type of gen. func.: ogf


                                         1
                                      --------
                                             2
                                     (x - 1)
```

```
------------------------------------------------------------------------------

Sequence:  A296888
Score: 29.2827
Type of gen. func.: lgdogf


                                          2
                                        ------
                                        -x + 1



------------------------------------------------------------------------------

Sequence:  A296888
Score: 62.8448
Type of gen. func.: ogf_with_Euler_transform]


                                         [2]



------------------------------------------------------------------------------

Sequence:  A296888
Score: 9.64606
Type of gen. func.: ogf


                                        2
                  -(f(x) + 1) (f(x) x  - 2 f(x) x + f(x) - 1)



------------------------------------------------------------------------------

Sequence:  A296888
Score: 9.99896
Type of gen. func.: ogf


              {-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 2}



------------------------------------------------------------------------------

Sequence:  A296891
Score: 24.8459
Type of gen. func.: ogf


                                          1
                                       --------
                                              2
                                      (x - 1)



------------------------------------------------------------------------------

Sequence:  A296891
Score: 29.2827
Type of gen. func.: lgdogf


                                          2
                                        ------
                                        -x + 1



--------------------------------------------------------------------------------

Sequence:  A296891
Score: 62.8448
Type of gen. func.: ogf_with_Euler_transform]


                                         [2]



--------------------------------------------------------------------------------

Sequence:  A296891
Score: 9.64606
Type of gen. func.: ogf


                                       2
                  -(f(x) + 1) (f(x) x  - 2 f(x) x + f(x) - 1)



--------------------------------------------------------------------------------

Sequence:  A296891
Score: 9.99896
Type of gen. func.: ogf


              {-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 2}



--------------------------------------------------------------------------------

Sequence:  A296894
Score: 24.8459
Type of gen. func.: ogf


                                          1
                                       --------
                                              2
                                       (x - 1)



--------------------------------------------------------------------------------

Sequence:  A296894
Score: 29.2827
Type of gen. func.: lgdogf


                                          2
                                        ------
                                        -x + 1



--------------------------------------------------------------------------------

Sequence:  A296894
Score: 62.8448
Type of gen. func.: ogf_with_Euler_transform]
```

[2]

Sequence: A296894
Score: 9.64606
Type of gen. func.: ogf

$$-(f(x) + 1) (f(x) x^2 - 2 f(x) x + f(x) - 1)$$

Sequence: A296894
Score: 9.99896
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A296897
Score: 24.8459
Type of gen. func.: ogf

$$\frac{1}{(x - 1)^2}$$

Sequence: A296897
Score: 29.2827
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A296897
Score: 62.8448
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A296897
Score: 9.64606
Type of gen. func.: ogf

$$-(f(x) + 1) (f(x) x^2 - 2 f(x) x + f(x) - 1)$$

Sequence: A296897
Score: 9.99896
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A296900
Score: 24.8459
Type of gen. func.: ogf

$$\frac{1}{(x - 1)^2}$$

Sequence: A296900
Score: 29.2827
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A296900
Score: 62.8448
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A296900
Score: 9.64606
Type of gen. func.: ogf

$$-(f(x) + 1) (f(x) x^2 - 2 f(x) x + f(x) - 1)$$

Sequence: A296900

Score: 9.99896
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A296903
Score: 24.8459
Type of gen. func.: ogf

$$\frac{1}{(x - 1)^2}$$

Sequence: A296903
Score: 29.2827
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A296903
Score: 62.8448
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A296903
Score: 9.64606
Type of gen. func.: ogf

$$-(f(x) + 1) (f(x) x^2 - 2 f(x) x + f(x) - 1)$$

Sequence: A296903
Score: 9.99896
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A296904
Score: 7.18717
Type of gen. func.: ogf

$$\frac{144361 x^{20} - 144359 x^{19} + 152400 x - 152781}{(2 x^{19} - 381) (x - 1)^{2}}$$

Sequence: A296906
Score: 24.8459
Type of gen. func.: ogf

$$\frac{1}{(x - 1)^{2}}$$

Sequence: A296906
Score: 29.2827
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A296906
Score: 62.8448
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A296906
Score: 9.64606
Type of gen. func.: ogf

$$-(f(x) + 1) (f(x) x^{2} - 2 f(x) x + f(x) - 1)$$

Sequence: A296906
Score: 9.99896
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A296907
Score: 13.0150
Type of gen. func.: lgdogf

$$-\frac{-3600 x + 3602}{-3600 x^{2} + 7201 x - 3601}$$

Sequence: A296907
Score: 16.0773
Type of gen. func.: ogf

$$-\frac{3600 x - 3601}{(x - 1)^{2}}$$

Sequence: A296907
Score: 8.45301
Type of gen. func.: ogf

$$(f(x) + 6483601) (f(x) x^{2} - 2 f(x) x + f(x) + 3600 x - 3601)$$

Sequence: A296907
Score: 9.31752
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 3601, a(1) = 3602\}$$

Sequence: A296909
Score: 8.12568
Type of gen. func.: ogf

$$\frac{x^{6} - x^{5} - 2 x^{4} - 4 x^{2} - x - 1}{(x^{2} + 1) (x - 1)^{3}}$$

Sequence: A296910
Score: 11.6920
Type of gen. func.: ogf

$$-\frac{2 x^4 - 5 x^3 - x^2 - 3 x - 1}{(x + 1) (x - 1)^2}$$

Sequence: A296910
Score: 6.71852
Type of gen. func.: ogf

$$-(50 f(x) - 927)$$

$$(f(x) x^3 + 2 x^4 - f(x) x^2 - 5 x^3 - f(x) x - x^2 + f(x) - 3 x - 1)$$

Sequence: A296910
Score: 8.57410
Type of gen. func.: lgdogf

$$-\frac{-2 x^5 + 2 x^4 + 2 x^3 - 22 x^2 - 8 x - 4}{2 x^6 - 5 x^5 - 3 x^4 + 2 x^3 + 3 x + 1}$$

Sequence: A296911
Score: 12.5368
Type of gen. func.: ogf

$$\frac{2 x^4 - 5 x^3 - x^2 - 3 x - 1}{(x + 1) (x - 1)^3}$$

Sequence: A296911
Score: 7.09805
Type of gen. func.: ogf

$$-(138 f(x) - 1055)$$

$$(f(x) x^4 - 2 f(x) x^3 - 2 x^4 + 5 x^3 + 2 f(x) x + x^2 - f(x) + 3 x + 1)$$

Sequence: A296911
Score: 9.85034
Type of gen. func.: lgdogf

$$-\frac{-x^4-4x^3-26x^2-12x-5}{2x^6-5x^5-3x^4+2x^3+3x+1}$$

Sequence: A296913
Score: 4.39930
Type of gen. func.: ogf

$$-120x^2(139x^7+1693x^6+7269x^5+11905x^4+7495x^3+1641x^2+97x+1)\bigg/(x-1)^{11}$$

Sequence: A296943
Score: 3.61999
Type of gen. func.: ogf

$$\{(-n^2-n)a(n)+(-n-4)a(n+1)+(n^2+5n+8)a(n+2)$$
$$+(-2-n)a(n+3),\ a(0)=0,\ a(1)=1,\ a(2)=4\}$$

Sequence: A296946
Score: 11.0544
Type of gen. func.: ogf

$$-\frac{2(6x^3-2x-1)}{12x^4-8x^3-2x+1}$$

Sequence: A296946
Score: 5.90196
Type of gen. func.: ogf

$$(648f(x)+1865)(12f(x)x^4-8f(x)x^3+12x^3-2f(x)x+f(x)-4x-2)$$

Sequence: A296953
Score: 12.5627
Type of gen. func.: lgdogf

$$-\frac{2x^2+4x-4}{2x^3-x^2-2x+1}$$

Sequence: A296953
Score: 16.4084
Type of gen. func.: ogf

$$\frac{x(x+1)}{(2x-1)(x-1)}$$

Sequence: A296953
Score: 7.96050
Type of gen. func.: ogf

$$\{a(n+3)-3a(n+2)+2a(n+1), a(0)=0, a(1)=1, a(2)=4\}$$

Sequence: A296953
Score: 9.92605
Type of gen. func.: ogf

$$f(x)(2f(x)x^2-3f(x)x-x^2+f(x)-x)$$

Sequence: A296954
Score: 10.8174
Type of gen. func.: lgdogf

$$-\frac{10x^2-4x-2}{8x^4-14x^3+9x^2-4x+1}$$

Sequence: A296954
Score: 14.0436

Type of gen. func.: ogf

$$\frac{x\,(4\,x^{2} - x + 1)}{(2\,x - 1)\,(x - 1)}$$

Sequence: A296954
Score: 7.08393
Type of gen. func.: ogf

$$\{-a(n + 4) + 3\,a(n + 3) - 2\,a(n + 2),\ a(0) = 0,\ a(1) = 1,\ a(2) = 2,\ a(3) = 8\}$$

Sequence: A296954
Score: 8.60735
Type of gen. func.: ogf

$$-f(x)\,(2\,f(x)\,x^{2} - 4\,x^{3} - 3\,f(x)\,x + x^{2} + f(x) - x)$$

Sequence: A296957
Score: 6.61802
Type of gen. func.: ogf

$$-\frac{4\,x^{4} - 14\,x^{3} - 3\,x^{2} + 2\,x + 1}{4\,x^{5} - 18\,x^{4} + 11\,x^{3} - 5\,x^{2} + 4\,x - 1}$$

Sequence: A296965
Score: 11.5644
Type of gen. func.: lgdogf

$$-\frac{4\,x^{2} - 2}{4\,x^{4} - 8\,x^{3} + 7\,x^{2} - 4\,x + 1}$$

Sequence: A296965
Score: 13.7961
Type of gen. func.: ogf

2

$$\frac{x (2 x - x + 1)}{(2 x - 1) (x - 1)}$$

Sequence: A296965
Score: 6.95910
Type of gen. func.: ogf

$$\{-a(n + 4) + 3 a(n + 3) - 2 a(n + 2), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 6\}$$

Sequence: A296965
Score: 8.83571
Type of gen. func.: ogf

$$f(x) (2 f(x) x^2 - 2 x^3 - 3 f(x) x + x^2 + f(x) - x)$$

Sequence: A296968
Score: 7.53116
Type of gen. func.: ogf

$$-\frac{2 x^4 - 2 x^3 + 2 x^2 + 3 x + 1}{2 x^5 - 4 x^4 + 6 x^3 - x^2 + 2 x - 1}$$

Sequence: A296984
Score: 6.77001
Type of gen. func.: ogf

$$-\frac{(2 x^2 + x + 1) (2 x^3 + 2 x^2 + x - 1)}{4 x^6 + 2 x^5 + 4 x^4 - 3 x^3 - x^2 - 2 x + 1}$$

Sequence: A296996
Score: 4.50092
Type of gen. func.: ogf

$$\frac{x (x^8 - 2 x^7 - 2 x^6 - 57 x^5 - 54 x^4 - 82 x^3 - 32 x^2 - 11 x - 1)}{(x + 1)^4 (x - 1)^7}$$

Sequence: A296997
Score: 5.99547
Type of gen. func.: ogf

$$-\frac{2 x (x^6 + x^5 + 32 x^4 + 82 x^3 + 93 x^2 + 29 x + 2)}{(x + 1)^2 (x - 1)^7}$$

Sequence: A297011
Score: 7.05360
Type of gen. func.: ogf

$$-\frac{x^{14} - x^{13} + x^7 - x^6 + x^4 + x^3 + x^2 - 7 x + 3}{(x^2 + 2 x - 1) (x - 1)^2}$$

Sequence: A297028
Score: 10.0302
Type of gen. func.: ogf

$$-\frac{36 x^2 - 150 x + 43}{12 x^3 - 75 x^2 + 43 x - 1}$$

Sequence: A297028
Score: 4.70384
Type of gen. func.: ogf

$$(111594370696497 f(x) + 30036138449012)$$

$$(12 f(x) x^3 - 75 f(x) x^2 + 43 f(x) x + 36 x^2 - f(x) - 150 x + 43)$$

Sequence: A297028
Score: 5.54518
Type of gen. func.: ogf

$\{-a(n + 3) + 43 a(n + 2) - 75 a(n + 1) + 12 a(n), a(0) = 43, a(1) = 1699,$

a(2) = 69868}

Sequence: A297037
Score: 7.91357
Type of gen. func.: ogf

$$-\frac{x^{8}(x+1)(x^{2}+x+1)(x^{2}-x+1)}{x^{72}+x^{6}-1}$$

Sequence: A297038
Score: 16.4316
Type of gen. func.: ogf

$$x^{9}+f(x)x-f(x)$$

Sequence: A297038
Score: 25.4973
Type of gen. func.: ogf

$$-\frac{x^{9}}{x-1}$$

Sequence: A297038
Score: 30.8092
Type of gen. func.: lgdogf

$$\frac{1}{-x+1}$$

Sequence: A297038
Score: 4.65045
Type of gen. func.: ogf

{-a(n + 2) + a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0,

a(5) = 0, a(6) = 0, a(7) = 0, a(8) = 0, a(9) = 1}

Sequence: A297039
Score: 15.9776
Type of gen. func.: ogf

$$x^{10} + f(x)\,x - f(x)$$

Sequence: A297039
Score: 24.4989
Type of gen. func.: ogf

$$-\frac{x^{10}}{x - 1}$$

Sequence: A297039
Score: 30.6237
Type of gen. func.: lgdogf

$$\frac{1}{-x + 1}$$

Sequence: A297040
Score: 15.8807
Type of gen. func.: ogf

$$x^{11} + f(x)\,x - f(x)$$

Sequence: A297040
Score: 24.3504
Type of gen. func.: ogf

$$-\frac{x^{11}}{x - 1}$$

Sequence: A297040
Score: 30.4380
Type of gen. func.: lgdogf

$$\frac{1}{-x + 1}$$

Sequence: A297041
Score: 15.7839
Type of gen. func.: ogf

$$x^{12} + f(x) x - f(x)$$

Sequence: A297041
Score: 24.2020
Type of gen. func.: ogf

$$- \frac{x^{12}}{x - 1}$$

Sequence: A297041
Score: 30.2525
Type of gen. func.: lgdogf

$$\frac{1}{-x + 1}$$

Sequence: A297042
Score: 15.687
Type of gen. func.: ogf

$$x^{13} + f(x) x - f(x)$$

Sequence: A297042
Score: 24.0535
Type of gen. func.: ogf

$$- \frac{x^{13}}{x - 1}$$

Sequence: A297042
Score: 30.0669
Type of gen. func.: lgdogf

$$\frac{1}{-x + 1}$$

Sequence: A297043
Score: 15.5902
Type of gen. func.: ogf

$$x^{14} + f(x) x - f(x)$$

Sequence: A297043
Score: 23.9050
Type of gen. func.: ogf

$$-\frac{x^{14}}{x - 1}$$

Sequence: A297043
Score: 29.8812
Type of gen. func.: lgdogf

$$\frac{1}{-x + 1}$$

Sequence: A297044
Score: 15.4934
Type of gen. func.: ogf

$$x^{15} + f(x) x - f(x)$$

Sequence: A297044
Score: 23.7565
Type of gen. func.: ogf

$$-\frac{x^{15}}{x-1}$$

Sequence: A297044
Score: 29.6957
Type of gen. func.: lgdogf

$$\frac{1}{-x+1}$$

Sequence: A297045
Score: 23.1626
Type of gen. func.: ogf

$$-\frac{x^{19}}{x-1}$$

Sequence: A297045
Score: 28.9533
Type of gen. func.: lgdogf

$$\frac{1}{-x+1}$$

Sequence: A297046
Score: 17.2235
Type of gen. func.: ogf

$$-\frac{x^{59}}{x-1}$$

Sequence: A297046
Score: 21.5294
Type of gen. func.: lgdogf

```
 1
------
```

```
                                     -x + 1



------------------------------------------------------------------------------

Sequence:  A297047
Score: 12.0171
Type of gen. func.: ogf


                                   2
                               x (x  + 2 x + 2)
                         -----------------------------
                             2              2
                         (2 x  + 3 x - 1) (x  + x - 1)



------------------------------------------------------------------------------

Sequence:  A297047
Score: 6.45548
Type of gen. func.: ogf


                             4            3    3                  2
 (62135 f(x) - 339) (2 f(x) x  + 5 f(x) x  - x  - 4 f(x) x - 2 x  + f(x) - 2 x)



------------------------------------------------------------------------------

Sequence:  A297047
Score: 6.67619
Type of gen. func.: lgdogf


                         5       4       3       2
                     -4 x  - 17 x  - 36 x  - 34 x  + 2 x + 10
                 - --------------------------------------------
                       6      5       4      3      2
                   -2 x  - 9 x  - 14 x  - 6 x  + 7 x  + 6 x - 2



------------------------------------------------------------------------------

Sequence:  A297054
Score: 13.5962
Type of gen. func.: ogf_with_Euler_transform]


                                     2
                                    x  - x + 1
                                  - ----------
                                      -x + 1



------------------------------------------------------------------------------

Sequence:  A297064
Score: 3.93480
Type of gen. func.: ogf


      12      11      9      8    7       6      5      4      3    2
- 2 (x   + 2 x   - 6 x  - 9 x  - x  + 12 x  + 7 x  - 6 x  - 6 x  + x  + 2 x + 1

        /         2        2   3    2     3
```

```
    )  /  ((x - 1)  (x + 1)  (x  + x  - 1) )
      /
```

Sequence: A297067
Score: 6.72800
Type of gen. func.: ogf

$$-\frac{8 x^4 + 12 x^3 + 5 x^2 + 2 x - 3}{8 x^5 + 4 x^4 + x^3 + x^2 - 4 x + 1}$$

Sequence: A297079
Score: 6.05892
Type of gen. func.: ogf

$$-\frac{2 (2 x^5 + 9 x^4 + 14 x^3 + 5 x^2 - 2 x - 2)}{4 x^6 + 14 x^5 + 14 x^4 - 4 x^3 - 4 x^2 - 2 x + 1}$$

Sequence: A297088
Score: 6.62373
Type of gen. func.: ogf

$$-\frac{4 x^4 - 10 x^3 - 7 x^2 - x + 4}{4 x^5 - 14 x^4 + 3 x^3 - 2 x^2 + 4 x - 1}$$

Sequence: A297096
Score: 6.94585
Type of gen. func.: ogf

$$-\frac{2 (2 x^5 + 2 x^4 + 4 x^3 - x^2 - 2)}{4 x^6 + 8 x^4 - 6 x^3 + 2 x^2 - 4 x + 1}$$

Sequence: A297107
Score: 7.90250
Type of gen. func.: ogf

$$-(54x^{12}+48x^{11}+168x^{10}+24x^{9}+84x^{8}+12x^{7}+48x^{6}+30x^{5}+36x^{4}+22x^{3}+12x^{2}+6x+1)\Big/(2x^{3}-1)$$

Sequence: A297123
Score: 4.60009
Type of gen. func.: ogf

$$-\frac{1024x^{6}+29243x^{5}+135139x^{4}+137524x^{3}+29044x^{2}+665x+1}{(x-1)^{7}}$$

Sequence: A297151
Score: 3.97617
Type of gen. func.: ogf

$$\{(-64n^{2}-224n-192)a(n+1)+(16n^{2}+52n+36)a(n+2)+(-n^{2}-3n-2)a(n+3),\ a(0)=0,\ a(1)=7,\ a(2)=100\}$$

Sequence: A297151
Score: 4.06503
Type of gen. func.: ogf

$$4096f(x)^{2}x^{4}-2048f(x)^{2}x^{3}+384f(x)^{2}x^{2}-512f(x)x^{3}-32f(x)^{2}x+128f(x)x^{2}+72x^{3}+f(x)^{2}-8f(x)x+7x^{2}$$

Sequence: A297151
Score: 9.44987
Type of gen. func.: lgdogf

$$\frac{4(-216x-37+12(1-8x)^{1/2})}{(72x+7)(8x-1)}$$

Sequence: A297180
Score: 11.8931
Type of gen. func.: ogf

$$-\frac{6 x^3 - x^2 - x - 1}{(x - 1) (7 x^3 - 1)}$$

Sequence: A297180
Score: 6.5129
Type of gen. func.: ogf

$$-(77 f(x) + 129) (7 f(x) x^4 - 7 f(x) x^3 + 6 x^3 - f(x) x - x^2 + f(x) - x - 1)$$

Sequence: A297180
Score: 7.19847
Type of gen. func.: lgdogf

$$-\frac{42 x^6 - 14 x^5 - 14 x^4 - 2 x^3 + 2 x^2 + 2 x + 2}{42 x^7 - 49 x^6 - 6 x^4 + 14 x^3 - 1}$$

Sequence: A297181
Score: 9.05452
Type of gen. func.: ogf

$$-\frac{10 x^5 - x^4 - x^3 - x^2 - x - 1}{(x - 1) (11 x^5 - 1)}$$

Sequence: A297182
Score: 8.60443
Type of gen. func.: ogf

$$-\frac{12 x^6 - x^5 - x^4 - x^3 - x^2 - x - 1}{(x - 1) (13 x^6 - 1)}$$

Sequence: A297189
Score: 10.5979
Type of gen. func.: ogf

$$-\frac{x (3 x^3 + 2 x^2 - 3 x - 1)}{9 x^4 - 8 x^2 + 1}$$

Sequence: A297189
Score: 6.5879
Type of gen. func.: ogf

$$(2085 f(x) + 1496) (9 f(x) x^4 + 3 x^4 - 8 f(x) x^2 + 2 x^3 - 3 x^2 + f(x) - x)$$

Sequence: A297217
Score: 12.8120
Type of gen. func.: ogf

$$-\frac{4 x^4 - 4 x^3 + 4 x^2 - 3 x + 3}{x - 1}$$

Sequence: A297217
Score: 8.58828
Type of gen. func.: ogf

$$(f(x) - 3) (4 x^4 - 4 x^3 + f(x) x + 4 x^2 - f(x) - 3 x + 3)$$

Sequence: A297219
Score: 10.8425
Type of gen. func.: ogf

$$-\frac{4 x^2 + 5 x + 3}{4 x^3 + 4 x^2 + x - 1}$$

Sequence: A297219
Score: 5.65294

Type of gen. func.: ogf

$$-(69 f(x) - 79) (4 f(x) x^3 + 4 f(x) x^2 + f(x) x + 4 x^2 - f(x) + 5 x + 3)$$

Sequence: A297219
Score: 5.85304
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 4 a(n + 1) + 4 a(n), a(0) = 3, a(1) = 8, a(2) = 24\}$$

Sequence: A297220
Score: 6.81478
Type of gen. func.: ogf

$$-\frac{(2 x^2 + 2 x + 1) (x + 2)^2}{x^5 + 6 x^4 + 11 x^3 + 6 x^2 + x - 1}$$

Sequence: A297221
Score: 3.35236
Type of gen. func.: ogf

$$-\frac{x^8 - 13 x^7 + 47 x^6 - 35 x^5 - 58 x^4 + 17 x^3 + 53 x^2 + 27 x + 6}{(x^3 - x^2 - 2 x - 1) (x^6 - 3 x^5 + 7 x^4 - 19 x^3 - 11 x^2 - 3 x + 1)}$$

Sequence: A297231
Score: 7.77849
Type of gen. func.: ogf

$$- x^{10} / ((x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2 (x - 1)^3)$$

Sequence: A297234
Score: 7.08932
Type of gen. func.: ogf

$$- x^{11} / ((x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x + 1)^2 (x^2 + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2 (x^4 - x^2 + 1)^2 (x - 1)^3)$$

Sequence: A297237
Score: 7.31310
Type of gen. func.: ogf

$$- x^{12} / ((x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^6 - x^5 + x^4 - x^3 + x^2 - x + 1) (x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2 (x - 1)^3)$$

Sequence: A297240
Score: 6.71289
Type of gen. func.: ogf

$$- x^{13} / ((x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^8 - x^7 + x^5 - x^4 + x^3 - x + 1) (x + 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2 (x^6 - x^5 + x^4 - x^3 + x^2 - x + 1)^2 (x - 1)^3)$$

Sequence: A297266
Score: 4.46834
Type of gen. func.: ogf

$$- (8 x^{27} + 7 x^{26} + 6 x^{24} - 5 x^{21} - 7 x^{20} - 6 x^{18} + 4 x^{17} - 5 x^{15} + 3 x^{12} - 4 x^{11} + 6 x^6 - x^5 - x^4 - x^3 - x^2 - x - 10) / ((x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2)$$

Sequence: A297296
Score: 4.85237
Type of gen. func.: ogf

$$-(8 f(x) + 15) (2 f(x) x^4 + 2 f(x) x^3 + x^4 - 2 f(x) x^2 + 3 x^3 - 2 f(x) x + x^2 + f(x) - 2 x - 1)$$

Sequence: A297296
Score: 8.56302
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^3 + 2 x^2 - x - 1)}{2 x^4 + 2 x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A297297
Score: 5.41306
Type of gen. func.: ogf

$$-\frac{(x + 1) (2 x^6 - 2 x^5 - 9 x^4 + 2 x^3 + 8 x^2 - x - 1)}{x^8 - x^7 - 4 x^6 - 4 x^5 + 2 x^4 + 8 x^3 - 4 x + 1}$$

Sequence: A297300
Score: 7.73524
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^2 + 1)^2}{x^4 - 2 x^3 + x^2 - 2 x + 1}$$

Sequence: A297309
Score: 4.04574
Type of gen. func.: ogf

$$-(2713 f(x) + 1802) (6 f(x) x^4 - 3 f(x) x^3 - 11 f(x) x^2 + 7 x^3 - 3 f(x) x - 4 x^2 + f(x) - 11 x - 4)$$

Sequence: A297309
Score: 7.63057
Type of gen. func.: ogf

$$-\frac{7 x^{3} - 4 x^{2} - 11 x - 4}{6 x^{4} - 3 x^{3} - 11 x^{2} - 3 x + 1}$$

Sequence: A297310
Score: 3.72714
Type of gen. func.: ogf

$$\frac{x^{8} - 10 x^{7} + 2 x^{6} + 50 x^{5} - 93 x^{4} - 50 x^{3} + 51 x^{2} + 38 x + 7}{(x^{3} + 5 x^{2} + 7 x - 1) (x^{5} - 4 x^{4} + 6 x^{3} - 3 x - 1)}$$

Sequence: A297315
Score: 4.61382
Type of gen. func.: ogf

$$-\frac{(x^{2} - x - 1) (x^{6} + x^{5} - 4 x^{3} - 2 x^{2} - 3 x - 1)}{(x^{3} - 2 x^{2} + x - 1) (x^{6} + x^{5} - 5 x^{3} - 2 x^{2} - 2 x + 1)}$$

Sequence: A297333
Score: 10.0839
Type of gen. func.: ogf

$$-\frac{4 x^{2} + 3 x - 5}{3 x^{3} + 2 x^{2} - 5 x + 1}$$

Sequence: A297333
Score: 5.30274
Type of gen. func.: ogf

$$(611 f(x) - 1721) (3 f(x) x^{3} + 2 f(x) x^{2} - 5 f(x) x + 4 x^{2} + f(x) + 3 x - 5)$$

Sequence: A297333
Score: 5.39576
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 2 a(n + 1) - 3 a(n), a(0) = 5, a(1) = 22, a(2) = 96\}$$

Sequence: A297334
Score: 6.33472
Type of gen. func.: ogf

$$-\frac{(x - 1) (4 x^3 + 13 x^2 + 3 x - 8)}{x^5 + 3 x^4 - 4 x^3 - 10 x^2 + 8 x - 1}$$

Sequence: A297335
Score: 3.56497
Type of gen. func.: ogf

$$-\frac{16 x^7 + 40 x^6 - 291 x^5 - 24 x^4 + 243 x^3 - 46 x^2 - 48 x + 13}{(2 x - 1) (x + 1) (8 x^5 - 34 x^4 + 15 x^3 + 29 x^2 - 13 x + 1)}$$

Sequence: A297339
Score: 8.23249
Type of gen. func.: ogf

$$-\frac{x^4 + x^3 - 2 x^2 - 4 x - 4}{(x + 1) (x^4 - x^3 - x^2 - 2 x + 1)}$$

Sequence: A297349
Score: 5.36453
Type of gen. func.: ogf

$$(3051 f(x) - 1030)$$

$$(24 f(x) x^3 - 36 f(x) x^2 - 29 f(x) x + 24 x^2 + f(x) - 12 x - 1)$$

Sequence: A297349
Score: 5.49976
Type of gen. func.: ogf

{a(n + 3) - 29 a(n + 2) - 36 a(n + 1) + 24 a(n), a(0) = 1, a(1) = 41,

a(2) = 1201}

Sequence: A297349
Score: 5.69106
Type of gen. func.: lgdogf

$$-\frac{-576 x^4 + 576 x^3 - 1056 x^2 - 24 x - 41}{-576 x^5 + 1152 x^4 + 288 x^3 - 408 x^2 - 17 x + 1}$$

Sequence: A297349
Score: 9.91624
Type of gen. func.: ogf

$$-\frac{24 x^2 - 12 x - 1}{24 x^3 - 36 x^2 - 29 x + 1}$$

Sequence: A297369
Score: 11.8699
Type of gen. func.: ogf

$$-\frac{6 x^2 - x - 8}{4 x^3 - 7 x + 1}$$

Sequence: A297369
Score: 5.87947
Type of gen. func.: ogf

$$-(108172 f(x) + 128665) (4 f(x) x^3 - 7 f(x) x + 6 x^2 + f(x) - x - 8)$$

Sequence: A297369
Score: 6.04907
Type of gen. func.: lgdogf

$$-\frac{-24 x^{4} + 8 x^{3} + 54 x^{2} + 12 x - 57}{-24 x^{5} + 4 x^{4} + 74 x^{3} - 13 x^{2} - 55 x + 8}$$

Sequence: A297369
Score: 6.48560
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) - 4 a(n), a(0) = 8, a(1) = 57, a(2) = 393\}$$

Sequence: A297370
Score: 4.47112
Type of gen. func.: ogf

$$-\frac{x^{5} - 10 x^{4} - 4 x^{3} + 30 x^{2} - 16}{(x - 1) (x^{5} - 14 x^{4} + 5 x^{3} + 8 x^{2} + 12 x - 1)}$$

Sequence: A297375
Score: 5.70419
Type of gen. func.: ogf

$$-\frac{(x^{2} + x + 1) (x^{4} - x^{2} - 4)}{(x^{2} + 1) (x^{5} + x^{4} - 2 x^{3} - 2 x^{2} - 3 x + 1)}$$

Sequence: A297384
Score: 5.0742
Type of gen. func.: ogf

$(42481 f(x) - 14256)$

$$(16 f(x) x^{4} - 52 f(x) x^{3} + 48 f(x) x^{2} - 13 f(x) x + 8 x^{2} + f(x) + 8 x - 4)$$

Sequence: A297384
Score: 9.80085
Type of gen. func.: ogf

$$-\frac{4\,(2\,x^{2}+2\,x-1)}{(4\,x-1)\,(x-1)\,(4\,x^{2}-8\,x+1)}$$

Sequence: A297390
Score: 4.65566
Type of gen. func.: ogf

$(1051\,f(x)+1134)$

$$(4\,f(x)\,x^{4}-2\,f(x)\,x^{3}-4\,f(x)\,x^{2}+4\,x^{3}-f(x)\,x+2\,x^{2}+f(x)-6\,x-3)$$

Sequence: A297390
Score: 8.64623
Type of gen. func.: ogf

$$-\frac{(2\,x+1)\,(2\,x^{2}-3)}{4\,x^{4}-2\,x^{3}-4\,x^{2}-x+1}$$

Sequence: A297391
Score: 5.74997
Type of gen. func.: ogf

$$-\frac{x^{6}+3\,x^{5}+3\,x^{4}+5\,x^{3}-9\,x-4}{x^{7}+2\,x^{6}+x^{5}+3\,x^{4}-4\,x^{3}-6\,x^{2}-x+1}$$

Sequence: A297396
Score: 7.02732
Type of gen. func.: ogf

$$-\frac{2\,x^{5}+2\,x^{4}-x^{3}-9\,x^{2}-8\,x-1}{2\,x^{6}-x^{4}-8\,x^{3}-x^{2}-x+1}$$

Sequence: A297397
Score: 4.29971
Type of gen. func.: ogf

$$-\frac{45x^7+54x^6+76x^5+88x^4+15x^3-34x^2-19x-1}{45x^8+9x^7+67x^6+21x^5-11x^4-24x^3-3x^2-x+1}$$

Sequence: A297426
Score: 7.38633
Type of gen. func.: ogf

$$-\frac{4x^5+3x^4-x^3-7x^2-6x-1}{4x^6-x^5-7x^3-x+1}$$

Sequence: A297427
Score: 5.32157
Type of gen. func.: ogf

$$-\frac{x^6+8x^5+5x^4-4x^3-14x^2-11x-1}{x^7+7x^6-2x^5-2x^4-12x^3-x+1}$$

Sequence: A297432
Score: 10.3375
Type of gen. func.: ogf

$$-\frac{4x^3+5x^2+x+1}{4x^4+x^3+x-1}$$

Sequence: A297432
Score: 5.52936
Type of gen. func.: ogf

$(511889 f(x) - 548340)$

$$(4 f(x) x^4 + f(x) x^3 + 4 x^3 + f(x) x + 5 x^2 - f(x) + x + 1)$$

Sequence: A297433
Score: 7.70698
Type of gen. func.: ogf

$$-\frac{x^5 - 9 x^3 - 11 x^2 - 2 x - 1}{x^6 - x^5 - 8 x^4 - 3 x^3 - x + 1}$$

Sequence: A297439
Score: 12.1179
Type of gen. func.: ogf

$$-\frac{6 x^3 + 8 x^2 - 9 x - 4}{(2 x^2 - 1)^2}$$

Sequence: A297439
Score: 7.57370
Type of gen. func.: lgdogf

$$-\frac{-12 x^4 - 32 x^3 + 36 x^2 + 16 x + 9}{-12 x^5 - 16 x^4 + 24 x^3 + 16 x^2 - 9 x - 4}$$

Sequence: A297439
Score: 7.57371
Type of gen. func.: ogf

$$(32 f(x) + 873) (4 f(x) x^4 - 4 f(x) x^2 + 6 x^3 + 8 x^2 + f(x) - 9 x - 4)$$

Sequence: A297443
Score: 8.47714
Type of gen. func.: ogf

$$3 x^5 - x^3 - x^2 - 2 x - 1$$

$$-\frac{}{(x - 1)\,(x^2 + 1)\,(3\,x^2 - 1)}$$

Sequence: A297444
Score: 10.9624
Type of gen. func.: ogf

$$\frac{9\,x^3 - 6\,x^2 + 2\,x + 1}{(x - 1)\,(3\,x - 1)\,(3\,x + 1)}$$

Sequence: A297444
Score: 5.68729
Type of gen. func.: ogf

$\{-a(n + 4) + a(n + 3) + 9\,a(n + 2) - 9\,a(n + 1), a(0) = 1, a(1) = 3, a(2) = 6,$

$a(3) = 33\}$

Sequence: A297444
Score: 6.20009
Type of gen. func.: ogf

$(-29 + 204\,f(x))$

$(9\,f(x)\,x^3 - 9\,f(x)\,x^2 - 9\,x^3 - f(x)\,x + 6\,x^2 + f(x) - 2\,x - 1)$

Sequence: A297444
Score: 6.75365
Type of gen. func.: lgdogf

$$-\frac{27\,x^4 + 54\,x^3 - 24\,x^2 - 6\,x - 3}{81\,x^6 - 135\,x^5 + 63\,x^4 + 6\,x^3 - 17\,x^2 + x + 1}$$

Sequence: A297445
Score: 12.5640
Type of gen. func.: ogf

$$3\,x^2 - 4\,x - 1$$

$$-\frac{}{(x - 1) (3 x - 1) (3 x + 1)}$$

Sequence: A297445
Score: 6.66441
Type of gen. func.: ogf

$$(272 f(x) + 241) (9 f(x) x^{3} - 9 f(x) x^{2} - f(x) x + 3 x^{2} + f(x) - 4 x - 1)$$

Sequence: A297445
Score: 6.78235
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 9 a(n + 1) - 9 a(n), a(0) = 1, a(1) = 5, a(2) = 11\}$$

Sequence: A297445
Score: 7.36929
Type of gen. func.: lgdogf

$$-\frac{-27 x^{4} + 72 x^{3} - 12 x^{2} - 12 x - 5}{-27 x^{5} + 63 x^{4} - 24 x^{3} - 16 x^{2} + 3 x + 1}$$

Sequence: A297452
Score: 4.74609
Type of gen. func.: ogf

$$-\frac{12 x^{6} + 5 x^{5} + 3 x^{4} - 15 x^{3} - 18 x^{2} + 5}{12 x^{7} - 7 x^{6} + 10 x^{5} - 25 x^{4} + 4 x^{3} - 3 x^{2} + 5 x - 1}$$

Sequence: A297458
Score: 4.49837
Type of gen. func.: ogf

$$(639655 f(x) - 2936508)$$

$$(4 f(x) x^{4} + f(x) x^{3} + 3 f(x) x^{2} + 4 x^{3} + f(x) x + 5 x^{2} - f(x) + 4 x + 4)$$

Sequence: A297458
Score: 8.64623
Type of gen. func.: ogf

$$-\frac{4x^3+5x^2+4x+4}{(x^2+1)(4x^2+x-1)}$$

Sequence: A297459
Score: 4.56490
Type of gen. func.: ogf

$$-\frac{2x^7+2x^6+8x^5-11x^4-11x^3+3x^2-5x+8}{2x^8+8x^6-19x^5+8x^4-7x^3+4x^2+3x-1}$$

Sequence: A297464
Score: 11.8871
Type of gen. func.: ogf

$$\frac{(x+1)(2x^2+2x+1)}{(x^2+x+1)(x-1)^2}$$

Sequence: A297464
Score: 4.79654
Type of gen. func.: ogf

$\{(10 n + 33) a(n + 1) + 10 a(n + 2) + 10 a(n + 3) + (-10 n - 23) a(n + 4),$

$a(0) = 1, a(1) = 4, a(2) = 8, a(3) = 11\}$

Sequence: A297464
Score: 6.56168
Type of gen. func.: ogf

$$(3520 f(x) + 4623) (f(x) x^4 - f(x) x^3 - 2 x^3 - f(x) x - 4 x^2 + f(x) - 3 x - 1)$$

Sequence: A297466
Score: 7.53027
Type of gen. func.: ogf

$$\frac{4x^8+3x^7+3x^6+3x^5+4x^4+3x^3+3x^2+4x+3}{(x^6+x^3+1)(x^2+x+1)(x-1)^2}$$

Sequence: A297468
Score: 8.37930
Type of gen. func.: ogf

$$-\frac{x^{31}-x^{30}+x^{28}-x^{27}+x^8-x^7+2x-3}{(x-1)^2}$$

Sequence: A297470
Score: 7.56660
Type of gen. func.: lgdegf]

$$-\frac{4x^4-6x^3-2x^2-9x-2}{2x^5-2x^4-4x^3+x^2+2x+1}$$

Sequence: A297474
Score: 9.86094
Type of gen. func.: lgdegf]

$$-\frac{-4x^3+4x^2-6x-2}{-4x^3+2x^2-2x+1}$$

Sequence: A297476
Score: 7.30537
Type of gen. func.: ogf

```
          4       3       2
      40 x  + 16 x  + 42 x  - 8 x + 5
    - -------------------------------------
         5      4       3      2
```

$$8 x + 4 x + 14 x - 4 x + 5 x - 1$$

Sequence: A297507
Score: 7.27873
Type of gen. func.: ogf

$$-\frac{8 x^4 + 14 x^3 - 3 x^2 - 7 x - 1}{8 x^5 + 6 x^4 - 9 x^3 + 2 x^2 - 3 x + 1}$$

Sequence: A297508
Score: 3.28626
Type of gen. func.: ogf

$$-(12 x^9 + 9 x^8 + 21 x^7 + 80 x^6 - 18 x^5 - 136 x^4 - 77 x^3 + 22 x^2 + 26 x + 1) / (12 x^{10} - 3 x^9 + 24 x^8 + 56 x^7 - 74 x^6 - 65 x^5 - 15 x^4 + 32 x^3 + x^2 + 3 x - 1)$$

Sequence: A297514
Score: 4.34891
Type of gen. func.: ogf

$$-\frac{64 x^8 + 24 x^7 - 8 x^6 - 124 x^5 - 58 x^4 + 4 x^3 + 26 x^2 + 14 x + 3}{64 x^9 - 8 x^8 - 124 x^6 + 6 x^5 + 30 x^3 + 2 x^2 + x - 1}$$

Sequence: A297520
Score: 10.0551
Type of gen. func.: ogf

$$-\frac{12 x^3 + 12 x^2 + 4 x + 1}{12 x^4 + 4 x^3 + x - 1}$$

Sequence: A297520
Score: 5.656

Type of gen. func.: ogf

$$(4113 f(x) - 1636)$$

$$(12 f(x) x^4 + 4 f(x) x^3 + 12 x^3 + f(x) x + 12 x^2 - f(x) + 4 x + 1)$$

Sequence: A297545
Score: 5.81109
Type of gen. func.: ogf

$$- \frac{12 x^5 + 28 x^4 + 10 x^3 - 7 x^2 + x - 1}{12 x^6 + 16 x^5 - 6 x^4 - 5 x^3 + 2 x^2 - 3 x + 1}$$

Sequence: A297554
Score: 8.95092
Type of gen. func.: ogf

$$- \frac{(2 x + 1) (4 x^4 - 2 x^2 - 2 x - 1)}{(x - 1) (x + 1) (4 x^3 - 1)}$$

Sequence: A297555
Score: 5.53
Type of gen. func.: ogf

$$-(308 f(x) + 111)$$

$$(16 f(x) x^4 - 16 f(x) x^3 - 16 x^4 + 12 x^3 - f(x) x - 4 x^2 + f(x) - 3 x - 1)$$

Sequence: A297555
Score: 9.48977
Type of gen. func.: ogf

$$\frac{16 x^4 - 12 x^3 + 4 x^2 + 3 x + 1}{(x - 1) (16 x^3 - 1)}$$

Sequence: A297556
Score: 10.9222
Type of gen. func.: ogf

$$-\frac{4x^3 - x^2 - 5x - 1}{(x - 1)(16x^3 - 1)}$$

Sequence: A297556
Score: 5.57894
Type of gen. func.: ogf

$$-(63443337 f(x) + 67015811)$$

$$(16 f(x) x^4 - 16 f(x) x^3 + 4x^3 - f(x) x - x^2 + f(x) - 5x - 1)$$

Sequence: A297577
Score: 5.90128
Type of gen. func.: ogf

$$-\frac{8x^5 + 25x^4 + 13x^3 - 19x^2 - 8x - 3}{(x - 1)(8x^5 + 25x^4 + 21x^3 + 2x^2 - 1)}$$

Sequence: A297583
Score: 5.20645
Type of gen. func.: ogf

$$-(32227 f(x) - 8902)$$

$$(2 f(x) x^4 + 4 f(x) x^3 + 2x^3 + f(x) x + 6x^2 - f(x) + 4x + 1)$$

Sequence: A297583
Score: 9.80926
Type of gen. func.: ogf

$$-\frac{2x^3 + 6x^2 + 4x + 1}{2x^4 + 4x^3 + x - 1}$$

Sequence: A297584
Score: 4.50449
Type of gen. func.: ogf

$$-\frac{x^{7} + 13 x^{6} + 23 x^{5} + 10 x^{4} - 19 x^{3} - 26 x^{2} - 8 x - 1}{x^{8} + 12 x^{7} + 11 x^{6} - x^{5} - 18 x^{4} - 8 x^{3} - x^{2} - x + 1}$$

Sequence: A297590
Score: 5.96348
Type of gen. func.: ogf

$$-\frac{8 x^{5} + 16 x^{4} + 4 x^{3} - 10 x^{2} - 6 x - 3}{(x - 1) (8 x^{5} + 16 x^{4} + 12 x^{3} + 2 x^{2} - 1)}$$

Sequence: A297591
Score: 4.00199
Type of gen. func.: ogf

$$-\frac{x^{8} + 5 x^{7} + 7 x^{6} + x^{5} + 13 x^{4} + 13 x^{3} - 12 x^{2} - 9 x - 4}{x^{9} + 4 x^{8} + 3 x^{7} - 3 x^{6} + 13 x^{5} - 3 x^{4} - 10 x^{3} - 6 x^{2} - x + 1}$$

Sequence: A297596
Score: 5.33891
Type of gen. func.: ogf

$$-\frac{6 x^{6} + 14 x^{5} + 8 x^{4} - 7 x^{3} - 15 x^{2} - 8 x - 1}{6 x^{7} + 8 x^{6} - 7 x^{4} - 8 x^{3} - x^{2} - x + 1}$$

Sequence: A297608
Score: 6.33350
Type of gen. func.: ogf

$$-\frac{12 x^{5} + 12 x^{4} - 12 x^{3} - 12 x^{2} - 7 x - 4}{{}^{6}\quad{}^{4}\quad{}^{3}\quad{}^{2}}$$

$$12 x - 12 x - 4 x - 3 x - x + 1$$

Sequence: A297619
Score: 12.2109
Type of gen. func.: lgdogf

$$-\frac{12 x^{2} - 4 x - 2}{4 x^{3} - 2 x^{2} - 2 x + 1}$$

Sequence: A297619
Score: 17.6380
Type of gen. func.: ogf

$$\frac{8 x^{2}}{(2 x - 1) (2 x^{2} - 1)}$$

Sequence: A297619
Score: 7.21553
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 0, a(2) = 8\}$$

Sequence: A297619
Score: 9.79885
Type of gen. func.: ogf

$$-4 f(x) x^{3} + 2 f(x) x^{2} + 2 f(x) x + 8 x^{2} - f(x)$$

Sequence: A297638
Score: 5.85886
Type of gen. func.: ogf

$$-\frac{24 x^{5} + 52 x^{4} + 22 x^{3} - x^{2} + 4 x - 4}{(3 x - 1) (8 x^{5} + 12 x^{4} + 2 x^{3} + x^{2} - 1)}$$

Sequence: A297655
Score: 5.64378
Type of gen. func.: ogf

$$-\frac{12 x^5 + 24 x^4 + 18 x^3 + 15 x^2 + 7 x + 1}{12 x^6 + 12 x^5 + 6 x^4 + 13 x^3 - 2 x^2 + 3 x - 1}$$

Sequence: A297661
Score: 8.19767
Type of gen. func.: ogf

$$-\frac{4 x^5 - 9 x^4 + 2 x^3 + 7 x^2 - 8 x + 3}{(x^2 - x + 1) (x^2 + x - 1) (x - 1)^2}$$

Sequence: A297662
Score: 11.8532
Type of gen. func.: lgdogf

$$-\frac{3 x^2 + 18 x + 9}{x^3 + 3 x^2 - 3 x - 1}$$

Sequence: A297662
Score: 3.87164
Type of gen. func.: ogf

$$\{(n + 3) a(n + 4) + (-3 + 3 n) a(n + 3) + (-21 - 3 n) a(n + 2)$$

$$+ (-3 - n) a(n + 1), a(0) = 0, a(1) = 3, a(2) = 27, a(3) = 108\}$$

Sequence: A297662
Score: 9.17211
Type of gen. func.: ogf

$$-\frac{3 x (x^2 + 4 x + 1)}{(x - 1)^5}$$

Sequence: A297663
Score: 13.0649
Type of gen. func.: ogf

$$\frac{9 x^2 - 3 x - 1}{(x - 1)^2 (2 x - 1)}$$

Sequence: A297663
Score: 7.05272
Type of gen. func.: ogf

$$(3 f(x) - 101) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x - 9 x^2 - f(x) + 3 x + 1)$$

Sequence: A297663
Score: 7.05272
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 7, a(2) = 14\}$$

Sequence: A297663
Score: 9.83898
Type of gen. func.: lgdogf

$$- \frac{-18 x^3 - 6 x^2 + 21 x - 7}{-18 x^4 + 33 x^3 - 16 x^2 + 1}$$

Sequence: A297665
Score: 8.99619
Type of gen. func.: ogf

$$\frac{5 x^4 - 6 x^3 + 5 x^2 + 2 x - 3}{(x^2 - x + 1) (x^2 + x - 1) (x - 1)^2}$$

Sequence: A297667
Score: 8.11462
Type of gen. func.: ogf

$$-\frac{6 x^5 - 11 x^4 - 2 x^3 + 21 x^2 - 24 x + 9}{(x^2 - x + 1) (x^2 + x - 1) (x - 1)^2}$$

Sequence: A297670
Score: 3.22965
Type of gen. func.: ogf

$$\{(-n^2 - 9 n - 20) a(n + 1) + (2 n^2 + 17 n + 35) a(n + 2) + (-n^2 - 9 n - 17) a(n + 3) + (n + 2) a(n + 4), a(0) = 0, a(1) = 0, a(2) = 3, a(3) = 27\}$$

Sequence: A297675
Score: 14.6316
Type of gen. func.: ogf

$$\frac{3 (x^2 - x - 1)}{(x - 1)^3}$$

Sequence: A297675
Score: 15.9379
Type of gen. func.: lgdogf

$$-\frac{-x^2 + 4}{-x^3 + 2 x^2 - 1}$$

Sequence: A297675
Score: 7.82917
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3, a(1) = 12, a(2) = 24\}$$

Sequence: A297675
Score: 7.96897
Type of gen. func.: ogf

$$(5 f(x) - 87) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 3 x^2 - f(x) + 3 x + 3)$$

Sequence: A297677
Score: 5.21539
Type of gen. func.: ogf

$$- \frac{17 x^5 - 13 x^4 - 35 x^3 + 12 x^2 - 6 x + 7}{17 x^6 - 30 x^5 - 5 x^4 + 8 x^3 - x^2 + 5 x - 1}$$

Sequence: A297683
Score: 4.17597
Type of gen. func.: ogf

$$- \frac{x^7 + 19 x^6 + 28 x^5 + 17 x^4 - 10 x^3 - 28 x^2 - 17 x - 8}{(x - 1) (x^7 + 19 x^6 + 29 x^5 + 36 x^4 + 19 x^3 + 8 x^2 + x - 1)}$$

Sequence: A297689
Score: 4.08681
Type of gen. func.: ogf

$$- \frac{9 x^7 - 12 x^6 - 18 x^5 - 20 x^4 + 38 x^3 + 25 x^2 - x - 5}{9 x^8 - 21 x^7 + 3 x^6 - 23 x^5 + 52 x^4 - 6 x^3 + 2 x^2 - 5 x + 1}$$

Sequence: A297695
Score: 11.9691
Type of gen. func.: ogf

$$- \frac{2 (3 x^2 - 2)}{6 x^3 - 4 x^2 - 2 x + 1}$$

Sequence: A297695
Score: 5.78168
Type of gen. func.: ogf

$$-(5354 f(x) + 14109) (6 f(x) x^3 - 4 f(x) x^2 - 2 f(x) x + 6 x^2 + f(x) - 4)$$

Sequence: A297695
Score: 6.03751
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 4 a(n + 1) + 6 a(n), a(0) = 4, a(1) = 8, a(2) = 26\}$$

Sequence: A297695
Score: 7.18146
Type of gen. func.: lgdogf

$$- \frac{-18 x^4 + 30 x^2 - 10 x - 4}{-18 x^5 + 12 x^4 + 18 x^3 - 11 x^2 - 4 x + 2}$$

Sequence: A297696
Score: 3.75508
Type of gen. func.: ogf

$$- \frac{(x + 1) (2 x^7 - 4 x^6 - 17 x^5 + 24 x^4 + 39 x^3 - 29 x^2 - 13 x + 8)}{2 x^9 - 4 x^8 - 17 x^7 + 22 x^6 + 43 x^5 - 24 x^4 - 24 x^3 + 10 x^2 + 3 x - 1}$$

Sequence: A297705
Score: 12.4006
Type of gen. func.: revogf

$$- \frac{-3 x^2 + x}{-2 x^2 - 3 x - 1}$$

Sequence: A297705
Score: 3.13025
Type of gen. func.: ogf

$$\{(-2 n - 4) a(n + 1) + (33 n + 120) a(n + 2) + (52 n + 179) a(n + 3) + (-3 n - 15) a(n + 4), a(0) = 1, a(1) = 6, a(2) = 56, a(3) = 636\}$$

Sequence: A297705
Score: 9.41516
Type of gen. func.: ogf

$$2 f(x)^2 x^2 + 3 f(x)^2 x + 3 f(x) x - f(x) + 1$$

Sequence: A297712
Score: 5.76371
Type of gen. func.: ogf

$$-\frac{6 x^8 - 2 x^7 - 14 x^6 + 9 x^5 - 9 x^4 - 3 x^3 + 23 x^2 - x - 7}{(x^6 - x^4 - x^2 - x + 1) (x - 1)^2}$$

Sequence: A297721
Score: 6.57826
Type of gen. func.: ogf

$$-\frac{(3 x^2 - 1) (8 x^3 - 6 x - 1)}{24 x^6 - 24 x^5 - 2 x^4 + 3 x^3 - 3 x^2 + 4 x - 1}$$

Sequence: A297728
Score: 4.47989
Type of gen. func.: ogf

$$-\frac{x^7 + 4 x^6 + 14 x^5 + 7 x^4 - x^3 - 8 x^2 - 7 x - 1}{x^8 + 3 x^7 + 11 x^6 - 4 x^5 + 2 x^4 - 13 x^3 - x^2 - x + 1}$$

Sequence: A297734
Score: 8.31405
Type of gen. func.: ogf

$$-\frac{6 x^4 - 3 x^2 - 1}{6 x^5 - 6 x^4 + 3 x^3 - x^2 - 2 x + 1}$$

Sequence: A297735
Score: 4.05951
Type of gen. func.: ogf

$$-\frac{(x + 1) (4 x^7 + 10 x^6 + 16 x^5 - 20 x^4 - 13 x^3 + 7 x^2 + 1)}{4 x^9 + 10 x^8 + 16 x^7 - 19 x^6 - 12 x^5 + 7 x^4 - 6 x^3 + 4 x^2 + 2 x - 1}$$

Sequence: A297740
Score: 6.55865
Type of gen. func.: ogf

$$-\frac{(x + 1) (12 x^8 - 24 x^6 - 20 x^5 + 28 x^4 + 20 x^3 + 12 x^2 + 5 x + 1)}{(x - 1)^3}$$

Sequence: A297741
Score: 5.10331
Type of gen. func.: ogf

$$- (x + 1) (4 x^{12} + 16 x^{11} + 12 x^{10} - 20 x^9 - 28 x^8 - 68 x^7 + 44 x^6 + 36 x^5 + 28 x^4 + 20 x^3 + 12 x^2 + 5 x + 1) \Big/ (x - 1)^3$$

Sequence: A297750
Score: 6.16749
Type of gen. func.: ogf

$$-\frac{(x + 1) (12 x^4 + 10 x^3 - 8 x^2 - 2 x - 1)}{}$$

6 5 4 3 2

$$12 x + 10 x - 8 x - 6 x + x - 2 x + 1$$

Sequence: A297763
Score: 6.78771
Type of gen. func.: ogf

$$-\frac{18 x^4 + 12 x^3 - 7 x^2 + 2 x - 1}{18 x^5 - 6 x^4 - x^3 + 3 x^2 - 4 x + 1}$$

Sequence: A297809
Score: 10.5115
Type of gen. func.: ogf

$$-\frac{x (2 x^2 - 2 x - 1)}{2 x^4 - 2 x^3 - 3 x^2 + 1}$$

Sequence: A297809
Score: 5.99414
Type of gen. func.: ogf

$$-(48 f(x) + 11) (2 f(x) x^4 - 2 f(x) x^3 - 3 f(x) x^2 + 2 x^3 - 2 x^2 + f(x) - x)$$

Sequence: A297817
Score: 6.43776
Type of gen. func.: ogf

$$\frac{4 x^5 - 4 x^4 - 8 x^3 + 4 x^2 + x + 1}{4 x^5 + 2 x^4 - 2 x^3 - x^2 - 3 x + 1}$$

Sequence: A297818
Score: 3.73314
Type of gen. func.: ogf

$$(8 x^{10} - 2 x^9 - 8 x^8 + 8 x^7 - 6 x^6 + 7 x^5 - 19 x^4 - 20 x^3 + 2 x^2 - 14 x - 1)$$

$$\Big/ \left(2 x^{9} + 2 x^{7} + 2 x^{6} - x^{5} + 7 x^{4} - x^{3} - x^{2} + 3 x - 1\right)$$

Sequence: A297852
Score: 8.35278
Type of gen. func.: ogf

$$- \frac{4 x^{5} - 4 x^{4} - 6 x^{3} + 1}{(2 x - 1) (2 x^{4} - 4 x^{3} - x + 1)}$$

Sequence: A297853
Score: 5.28373
Type of gen. func.: ogf

$$- \frac{4 x^{8} + 11 x^{7} + 10 x^{6} - x^{5} - 16 x^{4} - 11 x^{3} + x^{2} + 5 x + 1}{(x - 1) (x^{2} + 1) (x^{2} + x - 1) (x^{3} + x^{2} - 1)}$$

Sequence: A297860
Score: 10.1527
Type of gen. func.: ogf

$$- \frac{x (2 x^{2} + 2 x + 1)}{(x + 1) (2 x^{3} + 2 x^{2} + x - 1)}$$

Sequence: A297860
Score: 5.88684
Type of gen. func.: ogf

$$-(5 f(x) + 2) (2 f(x) x^{4} + 4 f(x) x^{3} + 3 f(x) x^{2} + 2 x^{3} + 2 x^{2} - f(x) + x)$$

Sequence: A297870
Score: 11.6641
Type of gen. func.: ogf

2

$$-\frac{x\,(4\,x - 2\,x - 1)}{(2\,x - 1)\,(2\,x^3 + x^2 - x - 1)}$$

Sequence: A297870
Score: 6.16396
Type of gen. func.: ogf

$$-(523\,f(x) + 609)\,(4\,f(x)\,x^4 - 3\,f(x)\,x^2 + 4\,x^3 - f(x)\,x - 2\,x^2 + f(x) - x)$$

Sequence: A297883
Score: 6.96750
Type of gen. func.: ogf

$$-\frac{8\,x^5 - 8\,x^4 - 12\,x^3 - 4\,x^2 + x + 2}{(2\,x - 1)\,(4\,x^4 - 8\,x^3 - x + 1)}$$

Sequence: A297884
Score: 4.31575
Type of gen. func.: ogf

$$-\frac{8\,x^{10} + 12\,x^9 + 16\,x^8 - 7\,x^7 - 22\,x^6 - 26\,x^5 - x^4 + 16\,x^3 + 11\,x^2 - x - 4}{(x - 1)\,(2\,x^3 + x - 1)\,(x^3 + x^2 - 1)\,(x^3 + x - 1)}$$

Sequence: A297901
Score: 6.41051
Type of gen. func.: ogf

$$\frac{(2\,x + 1)\,(12\,x^4 - 12\,x^3 - 3\,x^2 - 2\,x + 2)}{16\,x^5 + 4\,x^4 - 8\,x^3 - 3\,x^2 - x + 1}$$

Sequence: A297909
Score: 5.23432
Type of gen. func.: ogf

$$(108 f(x) + 47) \left(4 f(x) x^4 + 8 f(x) x^3 + 5 f(x) x^2 + 4 x^3 + 7 x^2 - f(x) + 5 x + 1\right)$$

Sequence: A297909
Score: 8.74778
Type of gen. func.: ogf

$$-\frac{4 x^3 + 7 x^2 + 5 x + 1}{(x + 1) (4 x^3 + 4 x^2 + x - 1)}$$

Sequence: A297917
Score: 4.01331
Type of gen. func.: ogf

$$(-126609 + 3719602 f(x)) \left(4 f(x) x^4 + 4 f(x) x^3 - 4 x^4 + f(x) x^2 + 2 x^3 + 3 f(x) x + 4 x^2 - f(x) + x + 1\right)$$

Sequence: A297917
Score: 7.36560
Type of gen. func.: ogf

$$\frac{4 x^4 - 2 x^3 - 4 x^2 - x - 1}{4 x^4 + 4 x^3 + x^2 + 3 x - 1}$$

Sequence: A297928
Score: 12.7221
Type of gen. func.: ogf

$$-\frac{8 x^2 - 15 x + 4}{(x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A297928
Score: 6.73522
Type of gen. func.: ogf

$$(1395 f(x) + 2096) (8 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x + 8 x^2 - f(x) - 15 x + 4)$$

Sequence: A297928
Score: 6.96950
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 8 a(n), a(0) = 4, a(1) = 13, a(2) = 43\}$$

Sequence: A297928
Score: 7.22066
Type of gen. func.: lgdogf

$$- \frac{-64 x^4 + 240 x^3 - 250 x^2 + 96 x - 13}{-64 x^5 + 232 x^4 - 298 x^3 + 169 x^2 - 43 x + 4}$$

Sequence: A297937
Score: 5.41682
Type of gen. func.: ogf

$$-(167 f(x) + 718)$$

$$(4 f(x) x^4 + 4 x^4 - 3 f(x) x^2 + 4 x^3 - f(x) x + x^2 + f(x) - 4 x - 1)$$

Sequence: A297937
Score: 9.49703
Type of gen. func.: ogf

$$- \frac{4 x^4 + 4 x^3 + x^2 - 4 x - 1}{(2 x - 1) (2 x^3 + x^2 - x - 1)}$$

Sequence: A297945
Score: 7.26037
Type of gen. func.: ogf

$$4 x^5 - 14 x^3 + 4 x^2 + 1$$

$$\overline{4 x^5 + 6 x^4 - 2 x^3 + 2 x^2 - 4 x + 1}$$

Sequence: A297953
Score: 4.66628
Type of gen. func.: ogf

$$-(296 f(x) + 745) (4 f(x) x^4 - 4 f(x) x^3 + 4 x^4 + f(x) x^2 + 2 x^3 - 2 f(x) x - 2 x^2 + f(x) - x - 1)$$

Sequence: A297953
Score: 8.39932
Type of gen. func.: ogf

$$-\frac{(x + 1) (4 x^3 - 2 x^2 - 1)}{(2 x - 1) (x - 1) (2 x^2 + x + 1)}$$

Sequence: A297970
Score: 2.54989
Type of gen. func.: ogf

$$(f(x) + 113) (f(x) x^2 - 2 f(x) x + f(x) - 16 x - 112)$$

Sequence: A297970
Score: 4.78104
Type of gen. func.: ogf

$$\frac{16 (x + 7)}{(x - 1)^2}$$

Sequence: A297972
Score: 12.7098
Type of gen. func.: ogf

$$-\frac{x (2 x + 1)}{}$$

$$2 x^3 + 3 x^2 + x - 1$$

Sequence: A297972
Score: 6.52663
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 3 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 1, a(2) = 3\}$$

Sequence: A297972
Score: 6.64638
Type of gen. func.: ogf

$$(59 f(x) + 30) (2 f(x) x^3 + 3 f(x) x^2 + f(x) x + 2 x^2 - f(x) + x)$$

Sequence: A297972
Score: 8.94390
Type of gen. func.: lgdogf

$$- \frac{8 x^3 + 12 x^2 + 6 x + 3}{4 x^4 + 8 x^3 + 5 x^2 - x - 1}$$

Sequence: A297980
Score: 5.52502
Type of gen. func.: ogf

$$-(26436 f(x) + 50759)$$

$$(2 f(x) x^4 - 2 f(x) x^3 + 2 x^4 - 3 f(x) x^2 - 3 x^2 + f(x) - 5 x - 1)$$

Sequence: A297980
Score: 9.91477
Type of gen. func.: ogf

$$- \frac{2 x^4 - 3 x^2 - 5 x - 1}{2 x^4 - 2 x^3 - 3 x^2 + 1}$$

Sequence: A297988
Score: 3.25107
Type of gen. func.: ogf

$$(x-1)(8x^{11}+14x^{10}-7x^{8}+x^{7}-24x^{6}-40x^{5}-42x^{4}-31x^{3}-13x^{2}-15x-1) \Big/ (2x^{11}+2x^{10}+x^{9}+2x^{8}-4x^{6}-6x^{4}-x^{3}+x^{2}-3x+1)$$

Sequence: A297996
Score: 12.1913
Type of gen. func.: ogf

$$\frac{2x^{4}-4x^{3}+x+2}{(x+1)(x-1)^{2}}$$

Sequence: A297996
Score: 5.84169
Type of gen. func.: ogf

$\{a(n+5)-a(n+4)-a(n+3)+a(n+2),\ a(0)=2,\ a(1)=3,\ a(2)=5,$

$a(3)=2,\ a(4)=6\}$

Sequence: A297996
Score: 6.47078
Type of gen. func.: ogf

$$-(1471 f(x)+13968)(f(x)\,x^{3}-2x^{4}-f(x)\,x^{2}+4x^{3}-f(x)\,x+f(x)-x-2)$$

Sequence: A298014
Score: 8.14677
Type of gen. func.: ogf

$$-\frac{(x+1)(2x^{9}+x^{7}-5x^{6}-3x^{5}-6x^{4}-6x^{3}-7x^{2}-2x-1)}{{}^{2}\quad{}^{2}\qquad{}^{2}}$$

$$(x - 1)\ (x\ + x + 1)$$

Sequence: A298015
Score: 9.95611
Type of gen. func.: ogf

$$\frac{3 x^7 + 4 x^6 + 6 x^5 + 18 x^4 + 13 x^3 + 6 x^2 + 3 x + 1}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A298016
Score: 9.98986
Type of gen. func.: ogf

$$\frac{x^6 + 12 x^5 + 12 x^4 + 10 x^3 + 12 x^2 + 6 x + 1}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A298017
Score: 6.81451
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x^9 + x^7 - 5 x^6 - 3 x^5 - 6 x^4 - 6 x^3 - 7 x^2 - 2 x - 1)}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A298018
Score: 8.24613
Type of gen. func.: ogf

$$- \frac{3 x^7 + 4 x^6 + 6 x^5 + 18 x^4 + 13 x^3 + 6 x^2 + 3 x + 1}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A298019
Score: 8.68397
Type of gen. func.: ogf

$$-\frac{x^6 + 12 x^5 + 12 x^4 + 10 x^3 + 12 x^2 + 6 x + 1}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A298022
Score: 8.95557
Type of gen. func.: ogf

$$-\frac{2 x^8 - 2 x^5 - 3 x^4 - 4 x^3 - 4 x^2 - 2 x - 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A298023
Score: 7.56483
Type of gen. func.: ogf

$$\frac{2 x^8 - 2 x^5 - 3 x^4 - 4 x^3 - 4 x^2 - 2 x - 1}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A298024
Score: 10.8690
Type of gen. func.: ogf

$$\frac{x^4 + 3 x^3 + 6 x^2 + 3 x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A298024
Score: 6.58986
Type of gen. func.: ogf

$$(3 f(x) + 7) (f(x) x^4 - f(x) x^3 - x^4 - 3 x^3 - f(x) x - 6 x^2 + f(x) - 3 x - 1)$$

Sequence: A298025
Score: 8.86630
Type of gen. func.: ogf

$$-\frac{x^4 + 3 x^3 + 6 x^2 + 3 x + 1}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A298026
Score: 10.1144
Type of gen. func.: lgdogf

$$-\frac{-6 x^4 - 12 x^3 - 36 x^2 - 12 x - 6}{-x^6 - 6 x^5 - 3 x^4 + 3 x^2 + 6 x + 1}$$

Sequence: A298026
Score: 13.7168
Type of gen. func.: ogf

$$\frac{x^4 + 6 x^3 + 4 x^2 + 6 x + 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A298026
Score: 9.18649
Type of gen. func.: ogf

$$(f(x) - 7) (f(x) x^4 - x^4 - 2 f(x) x^2 - 6 x^3 - 4 x^2 + f(x) - 6 x - 1)$$

Sequence: A298027
Score: 10.4228
Type of gen. func.: ogf

$$-\frac{x^4 + 6 x^3 + 4 x^2 + 6 x + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A298027
Score: 8.97520
Type of gen. func.: lgdogf

$$-\frac{-x^5 - 13 x^4 - 22 x^3 - 46 x^2 - 19 x - 7}{-x^6 - 6 x^5 - 3 x^4 + 3 x^2 + 6 x + 1}$$

Sequence: A298028
Score: 10.0721
Type of gen. func.: lgdogf

$$-\frac{3 x^4 + 24 x^3 + 18 x^2 + 24 x + 3}{x^6 + 3 x^5 + 9 x^4 - 9 x^2 - 3 x - 1}$$

Sequence: A298028
Score: 11.3311
Type of gen. func.: ogf

$$-f(x) x^4 + x^4 + 2 f(x) x^2 + 3 x^3 + 10 x^2 - f(x) + 3 x + 1$$

Sequence: A298028
Score: 13.4748
Type of gen. func.: ogf

$$\frac{x^4 + 3 x^3 + 10 x^2 + 3 x + 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A298029
Score: 10.8668
Type of gen. func.: ogf

$$-\frac{3 x^7 - 9 x^5 - 3 x^4 - 4 x^3 - 2 x^2 - 2 x - 1}{(x + 1) (x - 1)^2}$$

Sequence: A298030
Score: 10.5874

Type of gen. func.: ogf

$$\frac{3 x^7 - 9 x^5 - 3 x^4 - 4 x^3 - 2 x^2 - 2 x - 1}{(x + 1) (x - 1)^3}$$

Sequence: A298031
Score: 11.5074
Type of gen. func.: ogf

$$- \frac{2 x^6 - 8 x^4 - 3 x^3 - 5 x^2 - 3 x - 1}{(x + 1) (x - 1)^2}$$

Sequence: A298032
Score: 11.2959
Type of gen. func.: ogf

$$\frac{2 x^6 - 8 x^4 - 3 x^3 - 5 x^2 - 3 x - 1}{(x + 1) (x - 1)^3}$$

Sequence: A298033
Score: 10.9725
Type of gen. func.: lgdogf

$$- \frac{12 x^3 + 36 x^2 + 18 x + 6}{7 x^5 + 5 x^4 - 2 x^3 - 4 x^2 - 5 x - 1}$$

Sequence: A298033
Score: 14.4709
Type of gen. func.: ogf

$$\frac{7 x^3 + 5 x^2 + 5 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A298033
Score: 7.45145
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3) - a(n + 2) + a(n + 1), a(0) = 1, a(1) = 6, a(2) = 12, a(3) = 24\}$$

Sequence: A298033
Score: 8.11785
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^3 - f(x) x^2 - 7 x^3 - f(x) x - 5 x^2 + f(x) - 5 x - 1)$$

Sequence: A298034
Score: 14.0298
Type of gen. func.: ogf

$$- \frac{7 x^3 + 5 x^2 + 5 x + 1}{(x + 1) (x - 1)^3}$$

Sequence: A298034
Score: 7.68297
Type of gen. func.: ogf

$$-(41 f(x) - 416) (f(x) x^4 - 2 f(x) x^3 + 7 x^3 + 2 f(x) x + 5 x^2 - f(x) + 5 x + 1)$$

Sequence: A298034
Score: 9.77832
Type of gen. func.: lgdogf

$$- \frac{-7 x^4 - 24 x^3 - 46 x^2 - 24 x - 7}{-7 x^5 - 5 x^4 + 2 x^3 + 4 x^2 + 5 x + 1}$$

Sequence: A298035
Score: 10.5833
Type of gen. func.: ogf

$$(-3 + 4 f(x)) (f(x) x^2 - 2 f(x) x - 16 x^2 + f(x) - x - 1)$$

Sequence: A298035
Score: 18.0878
Type of gen. func.: lgdogf

$$- \frac{-33 x - 3}{-16 x^3 + 15 x^2 + 1}$$

Sequence: A298035
Score: 18.4228
Type of gen. func.: ogf

$$\frac{16 x^2 + x + 1}{(x - 1)^2}$$

Sequence: A298035
Score: 9.65855
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 3, a(2) = 21\}$$

Sequence: A298036
Score: 6.48583
Type of gen. func.: ogf

$$-(f(x) - 13) (f(x) x^4 - x^4 - 2 f(x) x^2 - 12 x^3 - 10 x^2 + f(x) - 12 x - 1)$$

Sequence: A298038
Score: 7.50924
Type of gen. func.: ogf

$$(4 f(x) + 45) (f(x) x^4 - x^4 - 2 f(x) x^2 - 6 x^3 - 22 x^2 + f(x) - 6 x - 1)$$

Sequence: A298057
Score: 8.09251
Type of gen. func.: ogf

$$-\frac{16 x^4 + 2 x^3 + 2 x^2 - 3 x - 1}{16 x^5 - 8 x^3 - x^2 - x + 1}$$

Sequence: A298078
Score: 13.0577
Type of gen. func.: lgdogf

$$-\frac{43 x^2 - 114 x + 29}{43 x^3 - 143 x^2 + 143 x - 43}$$

Sequence: A298078
Score: 14.8657
Type of gen. func.: ogf

$$\frac{43 x^2 - 100 x + 43}{(x - 1)^3}$$

Sequence: A298078
Score: 7.7925
Type of gen. func.: ogf

$$-(113 f(x) - 7296) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 43 x^2 - f(x) + 100 x - 43)$$

Sequence: A298078
Score: 8.47604
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = -43, a(1) = -29, a(2) = -1\}$$

Sequence: A298095
Score: 9.27198
Type of gen. func.: ogf

$$-\frac{x\,(x^2+x-1)}{(x-1)\,(2x^4+x^3+2x^2-1)}$$

Sequence: A298101
Score: 5.00744
Type of gen. func.: ogf

{a(n + 3) - 323 a(n + 2) + 323 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 324}

Sequence: A298101
Score: 5.1847
Type of gen. func.: ogf

$$(324\,f(x)+1)\,(f(x)\,x^3-323\,f(x)\,x^2+323\,f(x)\,x+x^2-f(x)+x)$$

Sequence: A298101
Score: 7.14477
Type of gen. func.: lgdogf

$$-\frac{-2x^3+320x^2+646x-324}{-x^4+322x^3-322x+1}$$

Sequence: A298101
Score: 9.60444
Type of gen. func.: ogf

$$-\frac{x\,(x+1)}{(x-1)\,(x^2-322x+1)}$$

Sequence: A298125
Score: 11.3485

Type of gen. func.: ogf

$$\frac{2 x^{4} - 6 x^{3} - x^{2} - 1}{(x - 1)^{3}}$$

Sequence: A298125
Score: 6.32395
Type of gen. func.: ogf

$$-(17 f(x) - 1560)$$

$$(f(x) x^{3} - 2 x^{4} - 3 f(x) x^{2} + 6 x^{3} + 3 f(x) x + x^{2} - f(x) + 1)$$

Sequence: A298125
Score: 8.54059
Type of gen. func.: lgdogf

$$- \frac{2 x^{4} - 8 x^{3} + 19 x^{2} + 2 x + 3}{-2 x^{5} + 8 x^{4} - 5 x^{3} - x^{2} + x - 1}$$

Sequence: A298141
Score: 5.50863
Type of gen. func.: ogf

$$- \frac{x (x - 1) (3 x^{6} + 6 x^{5} + 2 x^{4} + 3 x^{3} + 2 x^{2} - 2)}{(x + 1) (x^{8} - 2 x^{7} - 6 x^{6} + 2 x^{5} + 2 x - 1)}$$

Sequence: A298148
Score: 6.59168
Type of gen. func.: ogf

$$\frac{2 (x - 1) (x + 1) (6 x^{3} + 3 x^{2} - 1)}{8 x^{5} + 10 x^{4} - 6 x^{3} - 2 x^{2} - 2 x + 1}$$

Sequence: A298158
Score: 10.2700
Type of gen. func.: ogf

$$\frac{4x^3+6x^2-x-1}{(2x^2-1)(x^2+x-1)}$$

Sequence: A298158
Score: 5.53001
Type of gen. func.: ogf

$(4441 f(x) + 4514)$

$$(2 f(x) x^4 + 2 f(x) x^3 - 3 f(x) x^2 - 4 x^3 - f(x) x - 6 x^2 + f(x) + x + 1)$$

Sequence: A298163
Score: 6.01202
Type of gen. func.: ogf

$$-\frac{x(2x^5+x^4-2x^3-2x^2-2x+2)}{(x^2+x-1)(x^5-x^3-x^2-x+1)}$$

Sequence: A298179
Score: 9.47569
Type of gen. func.: ogf

$$-\frac{x(2x^3+x^2+2x-2)}{(x^2+x-1)(2x^3+x-1)}$$

Sequence: A298180
Score: 4.14160
Type of gen. func.: ogf

$$-\frac{x(2x^8-12x^7-12x^6+6x^4+3x^3+3x^2+3x-3)}{(x^2+x-1)(2x^8-8x^7-4x^6+2x^4+3x^3+x^2+x-1)}$$

Sequence: A298185
Score: 6.21604
Type of gen. func.: ogf

$$-\frac{x (3 x^6 + 4 x^5 - 4 x^4 + 4 x^3 + x^2 - 10 x + 5)}{(x - 1) (x^2 + x - 1) (x^4 + x - 1)}$$

Sequence: A298186
Score: 4.31044
Type of gen. func.: ogf

$$-\frac{x (5 x^{10} + 7 x^7 - 2 x^6 + 6 x^5 - 6 x^4 + 7 x^3 + x^2 - 16 x + 8)}{(x - 1) (x + 1) (x^4 + x - 1) (x^5 - x^4 + x^3 - x^2 + 2 x - 1)}$$

Sequence: A298189
Score: 7.55894
Type of gen. func.: ogf

$$-\frac{2 (3 x^4 + 2 x^3 + x^2 - 1)}{4 x^5 + 6 x^4 - 2 x^3 + 2 x^2 - 4 x + 1}$$

Sequence: A298198
Score: 12.0713
Type of gen. func.: ogf

$$\frac{4 (4 x - 1)}{(2 x - 1) (6 x - 1)^2}$$

Sequence: A298198
Score: 5.83103
Type of gen. func.: ogf

{-a(n + 3) + 14 a(n + 2) - 60 a(n + 1) + 72 a(n), a(0) = 4, a(1) = 40,

a(2) = 320}

Sequence: A298198
Score: 6.19876
Type of gen. func.: ogf

$$-(f(x) - 4) (72 f(x) x^3 - 60 f(x) x^2 + 14 f(x) x - f(x) - 16 x + 4)$$

Sequence: A298198
Score: 9.82946
Type of gen. func.: lgdogf

$$-\frac{-96 x^2 + 60 x - 10}{-48 x^3 + 44 x^2 - 12 x + 1}$$

Sequence: A298201
Score: 6.73903
Type of gen. func.: ogf

$$-\frac{2 (300 x^4 - 812 x^3 + 651 x^2 - 183 x + 16)}{(x - 1) (5 x - 1) (2 x - 1) (4 x^2 - 7 x + 1)}$$

Sequence: A298215
Score: 7.22060
Type of gen. func.: ogf

$$-\frac{16 x^5 - 8 x^3 - 5 x^2 - x + 2}{(2 x - 1) (x - 1) (8 x^3 + x - 1)}$$

Sequence: A298234
Score: 10.8959
Type of gen. func.: ogf

$$-\frac{(x + 1) (3 x + 1)}{4 x^3 + 5 x^2 + x - 1}$$

Sequence: A298234
Score: 5.49299
Type of gen. func.: ogf

$$-(1443 f(x) + 4789) (4 f(x) x^3 + 5 f(x) x^2 + f(x) x + 3 x^2 - f(x) + 4 x + 1)$$

Sequence: A298234
Score: 5.88188
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 5 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 5, a(2) = 13\}$$

Sequence: A298267
Score: 7.63775
Type of gen. func.: ogf

$$-\frac{x (x + 1) (3 x^4 - 2 x^3 + 4 x^2 - 2 x + 3)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A298271
Score: 13.0194
Type of gen. func.: ogf

$$-\frac{x}{(x - 1) (x^2 - 322 x + 1)}$$

Sequence: A298271
Score: 5.00744
Type of gen. func.: ogf

$$\{a(n + 3) - 323 a(n + 2) + 323 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 323\}$$

Sequence: A298271
Score: 7.23297
Type of gen. func.: ogf

$$f(x)\,x^{3} - 323\,f(x)\,x^{2} + 323\,f(x)\,x - f(x) + x$$

Sequence: A298271
Score: 8.13710
Type of gen. func.: lgdogf

$$-\frac{3\,x^{2} - 646\,x + 323}{x^{3} - 323\,x^{2} + 323\,x - 1}$$

Sequence: A298300
Score: 6.91353
Type of gen. func.: revogf

$$\frac{x^{2} - 5\,x - 2 + (x^{4} + 14\,x^{3} + 45\,x^{2} + 44\,x + 4)^{1/2}}{6\,(x^{2} + x + 1)}$$

Sequence: A298300
Score: 7.47222
Type of gen. func.: ogf

$$3\,f(x)^{2}\,x^{3} - f(x)^{2}\,x^{2} + 3\,f(x)\,x^{2} + 5\,f(x)\,x - 2\,f(x) + 3\,x + 2$$

Sequence: A298308
Score: 17.3943
Type of gen. func.: lgdogf

$$-\frac{-9\,x^{2} - 3}{9\,x^{3} + 9\,x + 1}$$

Sequence: A298308
Score: 23.1924
Type of gen. func.: ogf

$$-9 x^3 - 9 x - 1 + f(x)^3$$

Sequence: A298308
Score: 5.79811
Type of gen. func.: ogf

$$\{(-n - 4) a(n + 4) + (-24 - 9 n) a(n + 3) - 9 n a(n + 1), a(0) = 1, a(1) = 3, a(2) = -9, a(3) = 48\}$$

Sequence: A298311
Score: 22.3132
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x + 3}{x^2 - 1}$$

Sequence: A298360
Score: 10.6348
Type of gen. func.: ogf

$$\frac{3 x^4 + 14 x^3 + 6 x^2 + 4 x + 3}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A298364
Score: 11.8828
Type of gen. func.: ogf

$$\frac{3 x^3 - 2 x^2 + x + 2}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A298367
Score: 8.35002
Type of gen. func.: ogf

$$14 x^4 + 5 x^3 + 2 x^2 + x + 1$$

$$-\frac{}{14 x^{5} + 5 x^{4} + 2 x^{3} + x^{2} + x - 1}$$

Sequence: A298371
Score: 8.37985
Type of gen. func.: lgdogf

$$-\frac{-7 x^{4} - 13 x^{3} - 9 x^{2} - 5 x - 3}{-x^{5} - 2 x^{4} - 2 x^{3} - 2 x^{2} + 1}$$

Sequence: A298371
Score: 8.37985
Type of gen. func.: ogf

$$\frac{x^{2} (x + 1)}{(x^{4} + x^{3} + x^{2} + x - 1)^{2}}$$

Sequence: A298375
Score: 7.60034
Type of gen. func.: ogf

$$-\frac{x^{6} - 2 x^{5} + x^{3} + x^{2} - x - 2}{(x + 1)^{2} (x - 1)^{4}}$$

Sequence: A298397
Score: 8.01452
Type of gen. func.: lgdogf

$$-\frac{-20 x^{4} - 55 x^{3} - 125 x^{2} - 65 x - 23}{-10 x^{5} - 15 x^{4} - 10 x^{3} + 12 x^{2} + 20 x + 3}$$

Sequence: A298397
Score: 9.22101
Type of gen. func.: ogf

$$-\frac{4x(10x^3+15x^2+20x+3)}{(x+1)^2(x-1)^3}$$

Sequence: A298421
Score: 5.76587
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-3x^{11}+x^{10}+2x^8-2x^7+x^6-4x^5+x^4-2x^3+2x^2+1}{x^{12}-1}$$

Sequence: A298448
Score: 9.22727
Type of gen. func.: ogf

$$-\frac{8x^4+4x^2-2x-1}{8x^5+8x^4-8x^3-2x+1}$$

Sequence: A298470
Score: 6.50665
Type of gen. func.: ogf

$$\frac{3x^{20}+2x^{19}-14x^6+4x^5+3x^4+5x^3+19x^2+x+2}{(x^2+1)(x+1)(x-1)^2}$$

Sequence: A298474
Score: 8.11471
Type of gen. func.: ogf

$$-\frac{x^7-x^6-x^5+x^4-x^3-3x^2-x-1}{(x+1)(x-1)^2}$$

Sequence: A298489
Score: 3.64123
Type of gen. func.: ogf

$$- (8 x^{11} - 4 x^{10} - 16 x^{9} - 35 x^{8} + 2 x^{7} + 33 x^{6} + 36 x^{5} - x^{4} - 19 x^{3} - 11 x^{2} + x + 4) \Big/ ((x - 1) (2 x^{3} + x - 1) (x^{3} + x^{2} - 1) (x^{4} - 2 x^{3} - x + 1))$$

Sequence: A298564
Score: 10.0236
Type of gen. func.: lgdogf

$$- \frac{-54 x^{3} + 24 x^{2} + 24 x - 10}{-18 x^{4} + 27 x^{3} - 7 x^{2} - 3 x + 1}$$

Sequence: A298564
Score: 12.8661
Type of gen. func.: ogf

$$\frac{x (3 x + 1)}{(3 x - 1) (2 x - 1) (x - 1)^{2}}$$

Sequence: A298564
Score: 4.22563
Type of gen. func.: ogf

$$\{(-24 n - 78) a(n + 1) + (44 n + 119) a(n + 2) + (-24 n - 58) a(n + 3) + (4 n + 9) a(n + 4), a(0) = 0, a(1) = 1, a(2) = 10, a(3) = 53\}$$

Sequence: A298564
Score: 6.07062
Type of gen. func.: ogf

$$-(1794656 f(x) + 921609)$$

$$(6 f(x) x^{4} - 17 f(x) x^{3} + 17 f(x) x^{2} - 7 f(x) x - 3 x^{2} + f(x) - x)$$

Sequence: A298569
Score: 11.2072
Type of gen. func.: ogf

$$-\frac{(x-1)(2x+1)^2}{4x^4-8x^3-x+1}$$

Sequence: A298569
Score: 5.79357
Type of gen. func.: ogf

$$(11733 f(x) - 1969)(4 f(x) x^4 - 8 f(x) x^3 + 4 x^3 - f(x) x + f(x) - 3 x - 1)$$

Sequence: A298570
Score: 5.04476
Type of gen. func.: ogf

$$-\frac{2x^8+11x^7+2x^6-6x^5-16x^4-5x^3+x^2+4x+1}{2x^9-2x^8-2x^7-10x^6+x^5+2x^4+7x^3-1}$$

Sequence: A298584
Score: 4.26226
Type of gen. func.: ogf

$$\frac{x^{12}-3x^{10}+x^9-4x^8-5x^7+6x^6+7x^5+5x^4+8x^3-6x^2-1}{(x^3-x^2+2x-1)(x^6+x^5-2x^4-4x^3-x^2+x+1)}$$

Sequence: A298596
Score: 14.1388
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^3-x^2-x}{x^2-1}$$

Sequence: A298598
Score: 11.7955
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^5 - x^4 - 2 x^3 + 3 x^2 + 2 x}{-x^4 + 2 x^2 - 1}$$

Sequence: A298599
Score: 15.9588
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^2 + 2 x}{x^2 - 2 x + 1}$$

Sequence: A298611
Score: 7.56377
Type of gen. func.: ogf

$$16 f(x)^2 x^4 - 8 f(x)^2 x^3 + f(x)^2 x^2 - 6 f(x)^2 x + f(x)^2 - 1$$

Sequence: A298611
Score: 9.11296
Type of gen. func.: lgdogf

$$-\frac{32 x^3 - 12 x^2 + x - 3}{16 x^4 - 8 x^3 + x^2 - 6 x + 1}$$

Sequence: A298662
Score: 3.89156
Type of gen. func.: ogf

$$-\frac{4 x^{11} - 2 x^{10} - 2 x^9 + x^8 - 6 x^7 + 2 x^6 - 3 x^5 + x^4 + 3 x^3 + x - 1}{2 x^{12} - 2 x^{11} + x^9 - 7 x^8 - 5 x^7 + 3 x^6 + 6 x^5 + 4 x^4 - x^3 - 3 x^2 - x + 1}$$

Sequence: A298677
Score: 10.8923
Type of gen. func.: lgdogf

$$-\frac{x^2 + 2 x - 111}{x^3 - 109 x^2 - 109 x + 1}$$

Sequence: A298677
Score: 16.2226
Type of gen. func.: ogf

$$\frac{x + 1}{x^2 - 110 x + 1}$$

Sequence: A298677
Score: 8.19851
Type of gen. func.: ogf

$$(12208 f(x) + 113) (f(x) x^2 - 110 f(x) x + f(x) - x - 1)$$

Sequence: A298677
Score: 8.86584
Type of gen. func.: ogf

$$\{-a(n + 2) + 110 a(n + 1) - a(n), a(0) = 1, a(1) = 111\}$$

Sequence: A298678
Score: 14.3649
Type of gen. func.: ogf

$$-\frac{2 x - 1}{(2 x + 1) (x^2 - 4 x + 1)}$$

Sequence: A298678

Score: 6.85891
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 7 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 0, a(2) = 7\}$$

Sequence: A298678
Score: 7.18244
Type of gen. func.: ogf

$$(387 f(x) - 44) (2 f(x) x^3 - 7 f(x) x^2 - 2 f(x) x + f(x) + 2 x - 1)$$

Sequence: A298678
Score: 9.63720
Type of gen. func.: lgdogf

$$- \frac{8 x^3 - 20 x^2 + 14 x}{4 x^4 - 16 x^3 + 3 x^2 + 4 x - 1}$$

Sequence: A298679
Score: 11.1277
Type of gen. func.: lgdogf

$$- \frac{-6 x^2 + 14 x + 2}{-2 x^3 + 7 x^2 + 2 x - 1}$$

Sequence: A298679
Score: 16.0733
Type of gen. func.: ogf

$$\frac{3 x}{(2 x + 1) (x^2 - 4 x + 1)}$$

Sequence: A298679
Score: 6.51620
Type of gen. func.: ogf

$$\{-a(n+3) + 2\,a(n+2) + 7\,a(n+1) - 2\,a(n),\ a(0) = 0,\ a(1) = 3,\ a(2) = 6\}$$

Sequence: A298679
Score: 6.82356
Type of gen. func.: ogf

$$-(395\,f(x) + 84)\,(2\,f(x)\,x^3 - 7\,f(x)\,x^2 - 2\,f(x)\,x + f(x) - 3\,x)$$

Sequence: A298680
Score: 14.3027
Type of gen. func.: ogf

$$-\frac{4\,x^2}{(2\,x+1)\,(x-1)\,(x^2 - 4\,x + 1)}$$

Sequence: A298680
Score: 5.92221
Type of gen. func.: ogf

$$-(179\,f(x) - 48)\,(2\,f(x)\,x^4 - 9\,f(x)\,x^3 + 5\,f(x)\,x^2 + 3\,f(x)\,x + 4\,x^2 - f(x))$$

Sequence: A298680
Score: 9.24443
Type of gen. func.: lgdogf

$$-\frac{8\,x^3 - 27\,x^2 + 10\,x + 3}{2\,x^4 - 9\,x^3 + 5\,x^2 + 3\,x - 1}$$

Sequence: A298681
Score: 11.8650
Type of gen. func.: ogf

$$\frac{4\,x\,(2\,x-1)}{(2\,x+1)\,(x-1)\,(x^2 - 4\,x + 1)}$$

Sequence: A298681
Score: 5.79869
Type of gen. func.: ogf

$$(25521 f(x) + 10928)$$

$$(2 f(x) x^4 - 9 f(x) x^3 + 5 f(x) x^2 + 3 f(x) x - 8 x^2 - f(x) + 4 x)$$

Sequence: A298681
Score: 7.56105
Type of gen. func.: lgdogf

$$-\frac{-12 x^4 + 44 x^3 - 37 x^2 + 10 x + 1}{-4 x^5 + 20 x^4 - 19 x^3 - x^2 + 5 x - 1}$$

Sequence: A298682
Score: 5.31664
Type of gen. func.: ogf

$$(f(x) + 1)$$

$$(2 f(x) x^4 - 9 f(x) x^3 + 5 f(x) x^2 - 5 x^3 + 3 f(x) x - 7 x^2 - f(x) - x + 1)$$

Sequence: A298682
Score: 9.45949
Type of gen. func.: ogf

$$\frac{(x + 1) (5 x^2 + 2 x - 1)}{(2 x + 1) (x - 1) (x^2 - 4 x + 1)}$$

Sequence: A298683
Score: 5.39105
Type of gen. func.: ogf

$$(63 f(x) - 88) (2 f(x) x^4 - 9 f(x) x^3 + 5 f(x) x^2 + 14 x^3 + 3 f(x) x - 7 x^2$$

$$- f(x) - 2 x + 1)$$

Sequence: A298683
Score: 9.67624
Type of gen. func.: ogf

$$-\frac{(2x-1)(7x^2-1)}{(2x+1)(x-1)(x^2-4x+1)}$$

Sequence: A298720
Score: 3.55732
Type of gen. func.: ogf

$$-\frac{975x^{10}-983x^9-896x+903}{(8x^9-7)(x-1)^2}$$

Sequence: A298728
Score: 3.41781
Type of gen. func.: ogf

$$-\frac{1487x^{10}-1495x^9-1344x+1351}{(8x^9-7)(x-1)^2}$$

Sequence: A298747
Score: 12.8403
Type of gen. func.: ogf

$$-\frac{32x^{31}-32x^{30}+x^7-x^6-1}{(x-1)^2}$$

Sequence: A298777
Score: 9.31720
Type of gen. func.: ogf

$$3x^6-x^5+4x^4+5x^3-4x^2-1$$

$$\overline{\qquad\qquad\qquad\qquad\qquad\qquad}$$

$$x^{2} + x - 1$$

Sequence: A298784
Score: 12.9964
Type of gen. func.: ogf

$$\frac{(x^{2} + 1) (x^{2} + 3 x + 1)}{(x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A298784
Score: 7.63906
Type of gen. func.: ogf

$$-(f(x) + 1) (f(x) x^{4} - f(x) x^{3} - x^{4} - 3 x^{3} - f(x) x - 2 x^{2} + f(x) - 3 x - 1)$$

Sequence: A298785
Score: 10.2512
Type of gen. func.: ogf

$$- \frac{(x^{2} + 1) (x^{2} + 3 x + 1)}{(x^{2} + x + 1) (x - 1)^{3}}$$

Sequence: A298786
Score: 12.7322
Type of gen. func.: ogf

$$\frac{x^{4} + 2 x^{3} + 4 x^{2} + 2 x + 1}{(x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A298786
Score: 7.48381
Type of gen. func.: ogf

4 3 4 3 2

$-(7 f(x) + 6) (f(x) x - f(x) x - x - 2 x - f(x) x - 4 x + f(x) - 2 x - 1)$

Sequence: A298787
Score: 10.2512
Type of gen. func.: ogf

$$-\frac{x^4 + 2 x^3 + 4 x^2 + 2 x + 1}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A298788
Score: 9.15854
Type of gen. func.: ogf

$$\frac{(x^4 + x^3 + 4 x^2 + x + 1) (x + 1)^2}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A298789
Score: 24.9934
Type of gen. func.: ogf_with_Euler_transform]

$$-x^3 + 2 x^2 - 3 x + 4$$

Sequence: A298789
Score: 8.53948
Type of gen. func.: lgdogf

$$-\frac{-4 x^4 - 2 x^3 - 12 x^2 - 2 x - 4}{-x^6 - x^5 - x^4 + x^2 + x + 1}$$

Sequence: A298789
Score: 9.30708
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^4}{}$$

$$(x - 1)^2 (x^2 + x + 1)^2$$

Sequence: A298790
Score: 7.60674
Type of gen. func.: ogf

$$- \frac{(x^4 + x^3 + 4 x^2 + x + 1) (x + 1)^2}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A298791
Score: 25.2215
Type of gen. func.: ogf_with_Euler_transform]

$$-x^3 + 2 x^2 - 3 x + 5$$

Sequence: A298791
Score: 7.67652
Type of gen. func.: ogf

$$- \frac{(x^2 + 1) (x + 1)^4}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A298791
Score: 7.96896
Type of gen. func.: lgdogf

$$- \frac{-x^5 - 6 x^4 - 5 x^3 - 15 x^2 - 4 x - 5}{-x^6 - x^5 - x^4 + x^2 + x + 1}$$

Sequence: A298801
Score: 7.35735
Type of gen. func.: ogf

$$(4 x^{11} - 3 x^{10} - 8 x^9 + 2 x^8 + 3 x^7 + 9 x^6 - 2 x^5 + 2 x^4 - 10 x^3 + 3 x^2 - x + 4$$

$$\left.\right) \Big/ \left((x^2 + x + 1) (x - 1)^2\right)$$

Sequence: A298802
Score: 11.4885
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^2}{x^4 - 2 x^3 - 2 x + 1}$$

Sequence: A298802
Score: 6.96548
Type of gen. func.: ogf

$(3 f(x) - 1)$

$$(f(x) x^4 - 2 f(x) x^3 - x^4 - 2 x^3 - 2 f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A298802
Score: 8.19090
Type of gen. func.: lgdogf

$$- \frac{4 x^5 + 8 x^3 - 8 x^2 - 4}{x^7 - x^6 - x^5 - 3 x^4 - 3 x^3 - x^2 - x + 1}$$

Sequence: A298803
Score: 7.10361
Type of gen. func.: ogf

$$- \frac{2 x^7 - 3 x^6 - 6 x^5 - 9 x^4 - 9 x^3 - 7 x^2 - 4 x - 1}{(x^2 + x + 1) (x^4 - x^3 - x^2 - x + 1)}$$

Sequence: A298806
Score: 5.54835
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)(x^2 - x + 1)(x^6 + x^5 - x^4 + x^3 - x^2 + x + 1)}{x^{10} - 3x^9 + 2x^8 - x^7 - 2x^6 + 3x^5 - 2x^4 - x^3 + 2x^2 - 3x + 1}$$

Sequence: A298807
Score: 5.15288
Type of gen. func.: ogf

$$-(2x^{11} - 3x^{10} - 6x^9 - 9x^8 - 12x^7 - 15x^6 - 15x^5 - 13x^4 - 10x^3 - 7x^2 - 4x - 1) \Big/ ((x^4 + x^3 + x^2 + x + 1)(x^6 - x^5 - x^4 - x^3 - x^2 - x + 1))$$

Sequence: A298810
Score: 4.83858
Type of gen. func.: ogf

$$-(2x^{14} - 3x^{12} - 3x^{11} - 6x^{10} - 6x^9 - 9x^8 - 9x^7 - 9x^6 - 9x^5 - 7x^4 - 6x^3 - 4x^2 - 3x - 1) \Big/ ((x^2 + x + 1)(x^2 - x + 1)(x^8 - x^6 - x^4 - x^2 + 1))$$

Sequence: A298881
Score: 11.945
Type of gen. func.: egf]

$$-f(x)\,(f(x)\,x - f(x) + 6\,x)$$

Sequence: A298881
Score: 24.3020
Type of gen. func.: egf]

$$-\frac{6\,x}{x - 1}$$

Sequence: A298881
Score: 29.3649
Type of gen. func.: lgdegf]

$$\frac{1}{-x + 1}$$

Sequence: A298881
Score: 8.92097
Type of gen. func.: ogf

$$\{(-n - 1) a(n) + a(n + 1), a(0) = 0, a(1) = 6\}$$

Sequence: A298897
Score: 5.78778
Type of gen. func.: ogf

$$2 f(x) x^{5} - f(x) x^{4} + 2 f(x) x^{3} - f(x) x^{2} + x^{3} - 2 f(x) x + x^{2} + f(x) - x$$

Sequence: A298897
Score: 9.21758
Type of gen. func.: ogf

$$-\frac{x (x^{2} + x - 1)}{(2 x - 1) (x^{4} + x^{2} - 1)}$$

Sequence: A298914
Score: 5.28633
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^{7} + 3 x^{6} + 4 x^{5} + 2 x^{4} + x^{3} + 2 x^{2} - x - 1)}{(x - 1) (x^{3} + x^{2} + x - 1) (x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A298915
Score: 6.20053
Type of gen. func.: ogf

$$-\frac{4 x^{8} + 4 x^{7} + 4 x^{6} + 4 x^{5} - 2 x^{4} - 8 x^{2} + 2 x + 1}{(2 x - 1) (x - 1) (x^{2} + x + 1) (x^{4} + x - 1)}$$

Sequence: A298919
Score: 8.35621
Type of gen. func.: ogf

$$-\frac{x (x^{6} + 3 x^{2} + 3 x - 4)}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + x - 1)}$$

Sequence: A298920
Score: 6.38774
Type of gen. func.: ogf

$$-\frac{2 x^{7} + 5 x^{6} + 4 x^{5} - 2 x^{4} + 7 x^{3} + 7 x^{2} - 7 x - 1}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + x - 1)}$$

Sequence: A298921
Score: 5.20378
Type of gen. func.: ogf

$$\frac{x (x^{9} + 12 x^{8} + 13 x^{7} - 20 x^{6} - 4 x^{5} - 4 x^{4} - x^{3} - 28 x^{2} - 29 x + 32)}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{2} + x - 1)}$$

Sequence: A298931
Score: 5.58895
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3 x^{9} + 2 x^{6} + 2 x^{5} + x^{3} + x^{2}}{-x^{10} - x^{7} - x^{6} - x^{4} - x^{3} - 1}$$

Sequence: A298950

Score: 8.46006
Type of gen. func.: lgdogf

$$-\frac{x^5+7x^4+13x^3+23x^2+12x+4}{x^6+3x^5+x^4-x^2-3x-1}$$

Sequence: A298950
Score: 9.73361
Type of gen. func.: ogf

$$-\frac{(x^2+1)(x^2+3x+1)}{(x+1)^2(x-1)^3}$$

Sequence: A298959
Score: 8.81815
Type of gen. func.: ogf

$$-\frac{x(2x^3-3x^2+2x-2)}{(x+1)(2x^4-4x^3+3x^2-3x+1)}$$

Sequence: A298960
Score: 4.05922
Type of gen. func.: ogf

$$-x(2x^9-8x^8+14x^7-6x^6-3x^4-8x^3+8x^2-6x+3) \Big/ \left((x+1)(2x^{10}-8x^9+16x^8-16x^7+8x^6-9x^5+5x^3-5x^2+4x-1)\right)$$

Sequence: A298965
Score: 4.20207
Type of gen. func.: ogf

$$-\frac{24x^7+2x^6-19x^5+3x^4+10x^3+17x^2-4x-4}{12x^8+8x^7-19x^6-2x^5+11x^4+11x^3-3x^2-7x+1}$$

Sequence: A298976
Score: 11.0976
Type of gen. func.: ogf

$$-\frac{20 x^4 + 42 x^3 + 18 x^2 + 10 x + 3}{6 x^3 - 1}$$

Sequence: A298976
Score: 6.83693
Type of gen. func.: ogf

$$\{-a(n + 5) + 6 a(n + 2), a(0) = 3, a(1) = 10, a(2) = 18, a(3) = 60, a(4) = 80\}$$

Sequence: A298976
Score: 6.96123
Type of gen. func.: ogf

$$(79345007 f(x) + 437914749)$$

$$(6 f(x) x^3 + 20 x^4 + 42 x^3 + 18 x^2 - f(x) + 10 x + 3)$$

Sequence: A298977
Score: 14.4510
Type of gen. func.: ogf

$$-\frac{12 (3 x^2 + 7 x + 1)}{7 x^2 - 1}$$

Sequence: A298977
Score: 8.44327
Type of gen. func.: ogf

$$-(2215 f(x) + 74262) (7 f(x) x^2 + 36 x^2 - f(x) + 84 x + 12)$$

Sequence: A298977
Score: 8.53923
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 1), a(0) = 12, a(1) = 84, a(2) = 120\}$$

Sequence: A298977
Score: 9.88753
Type of gen. func.: lgdogf

$$-\frac{-49 x^2 - 20 x - 7}{-21 x^4 - 49 x^3 - 4 x^2 + 7 x + 1}$$

Sequence: A298992
Score: 7.46423
Type of gen. func.: ogf

$$\frac{x^2 (2 x^3 + 8 x^2 + 7 x + 5)}{(x + 1)^3 (x - 1)^4}$$

Sequence: A298992
Score: 8.13601
Type of gen. func.: lgdogf

$$-\frac{-8 x^4 - 42 x^3 - 56 x^2 - 58 x - 12}{-2 x^5 - 8 x^4 - 5 x^3 + 3 x^2 + 7 x + 5}$$

Sequence: A299074
Score: 12.5938
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (6 x - 1) (24 x - 1) (2 x - 1)}$$

Sequence: A299074
Score: 4.96655

Type of gen. func.: ogf

$$(11427488057 f(x) + 187476480)$$

$$(288 f(x) x^4 - 492 f(x) x^3 + 236 f(x) x^2 - 33 f(x) x + f(x) - 1)$$

Sequence: A299074
Score: 7.34635
Type of gen. func.: lgdogf

$$-\frac{-1152 x^3 + 1476 x^2 - 472 x + 33}{-288 x^4 + 492 x^3 - 236 x^2 + 33 x - 1}$$

Sequence: A299099
Score: 6.83105
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 - x^2 + x + 1}{x^5 - x^4 - 2 x^3 + 3 x^2 + x - 1}$$

Sequence: A299102
Score: 3.88021
Type of gen. func.: ogf

$$-\frac{x^9 + x^8 - 4 x^7 - 6 x^6 + 8 x^5 + 9 x^4 - 5 x^3 - 5 x^2 + x + 1}{(x - 1) (x^9 + 2 x^8 - 3 x^7 - 9 x^6 + 3 x^5 + 14 x^4 - x^3 - 7 x^2 + 1)}$$

Sequence: A299120
Score: 8.31685
Type of gen. func.: ogf

$$-\frac{x^4 - 5 x^3 + 10 x^2 - 5 x + 1}{(x - 1)^5}$$

Sequence: A299120
Score: 8.77382
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 6x^3 - 15x^2}{-x^5 + 6x^4 - 15x^3 + 15x^2 - 6x + 1}$$

Sequence: A299174
Score: 12.4128
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 2, a(1) = 4\}$$

Sequence: A299174
Score: 17.2516
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 2$$

Sequence: A299174
Score: 30.8439
Type of gen. func.: ogf

$$\frac{2}{(x - 1)^2}$$

Sequence: A299174
Score: 36.3518
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A299174
Score: 78.0400
Type of gen. func.: ogf_with_Euler_transform]

Sequence: A299198
Score: 8.70877
Type of gen. func.: lgdogf

$$- \frac{-x^4 + 6 x^3 - 30 x^2 + 6 x - 1}{-x^5 + 6 x^4 - 20 x^3 + 24 x^2 - 11 x + 2}$$

Sequence: A299198
Score: 9.07164
Type of gen. func.: ogf

$$- \frac{x^4 - 5 x^3 + 15 x^2 - 9 x + 2}{(x - 1)^5}$$

Sequence: A299206
Score: 14.0800
Type of gen. func.: ogf

$$\frac{1}{48828125 x^2 - 4830 x + 1}$$

Sequence: A299206
Score: 5.33124
Type of gen. func.: ogf

$$(1486547 f(x) - 1953125) (48828125 f(x) x^2 - 4830 f(x) x + f(x) - 1)$$

Sequence: A299206
Score: 5.78020
Type of gen. func.: ogf

{a(n + 2) - 4830 a(n + 1) + 48828125 a(n), a(0) = 1, a(1) = 4830}

Sequence: A299231
Score: 8.90996
Type of gen. func.: ogf

$$-\frac{x^{7}-2x^{6}+2x^{5}-x^{4}-x^{3}+x^{2}-x-1}{(x-1)^{2}}$$

Sequence: A299232
Score: 9.61379
Type of gen. func.: ogf

$$\frac{x^{6}-2x^{5}+2x^{4}-x^{3}-x^{2}+x+2}{(x-1)^{2}}$$

Sequence: A299250
Score: 10.7376
Type of gen. func.: ogf

$$\frac{x^{4}+8x^{3}+10x^{2}+2x+9}{(x^{2}+1)(x+1)(x-1)^{2}}$$

Sequence: A299254
Score: 7.96278
Type of gen. func.: ogf

$$-\frac{(x+1)(x^{2}+x+1)(x^{4}+3x^{3}+3x+1)}{(x^{4}+x^{3}+x^{2}+x+1)(x-1)^{3}}$$

Sequence: A299255
Score: 14.9901
Type of gen. func.: lgdogf

$$-\frac{-7x^{2}-4x-7}{\quad{}^{4}\quad{}^{3}}$$

$$-x - x + x + 1$$

Sequence: A299255
Score: 38.1813
Type of gen. func.: ogf_with_Euler_transform]

$$x^2 - 5 x + 7$$

Sequence: A299255
Score: 9.31424
Type of gen. func.: ogf

$$-\frac{(x + 1)^5}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A299256
Score: 11.3889
Type of gen. func.: ogf

$$\frac{(2 x + 1) (x^4 - 2 x^3 - 2 x^2 - 2 x - 1)}{(x + 1) (x - 1)^3}$$

Sequence: A299257
Score: 6.47874
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x^8 - 4 x^7 + 3 x^6 - 5 x^5 + x^4 - 3 x^3 - x^2 - x - 1)}{(x^2 + 1)^2 (x - 1)^3}$$

Sequence: A299258
Score: 29.2358
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^4 - 2 x + 5$$

Sequence: A299258
Score: 8.28480
Type of gen. func.: ogf

$$-\frac{(x^2+x+1)(x^2-x+1)(x+1)^3}{(x^4+x^3+x^2+x+1)(x-1)^3}$$

Sequence: A299259
Score: 10.0341
Type of gen. func.: lgdogf

$$-\frac{5x^4+6x^3+14x^2+6x+5}{x^6+x^5+x^4-x^2-x-1}$$

Sequence: A299259
Score: 29.3561
Type of gen. func.: ogf_with_Euler_transform]

$$-x^3+x^2-2x+5$$

Sequence: A299259
Score: 9.63674
Type of gen. func.: ogf

$$-\frac{(x^2+1)(x+1)^3}{(x^2+x+1)(x-1)^3}$$

Sequence: A299260
Score: 5.96922
Type of gen. func.: ogf

$$\frac{(x+1)(x^2+x+1)(x^4+3x^3+3x+1)}{(x^4+x^3+x^2+x+1)(x-1)^4}$$

Sequence: A299261
Score: 10.9129
Type of gen. func.: lgdogf

$$- \frac{-x^{3} - 9 x^{2} - 6 x - 8}{-x^{4} - x^{3} + x + 1}$$

Sequence: A299261
Score: 31.2135
Type of gen. func.: ogf_with_Euler_transform]

$$x^{2} - 5 x + 8$$

Sequence: A299261
Score: 7.07866
Type of gen. func.: ogf

$$\frac{(x + 1)^{5}}{(x^{2} + x + 1) (x - 1)^{4}}$$

Sequence: A299262
Score: 10.4424
Type of gen. func.: ogf

$$- \frac{(2 x + 1) (x^{4} - 2 x^{3} - 2 x^{2} - 2 x - 1)}{(x + 1) (x - 1)^{4}}$$

Sequence: A299262
Score: 8.50548
Type of gen. func.: lgdogf

$$- \frac{3 x^{5} - 11 x^{4} - 48 x^{3} - 52 x^{2} - 29 x - 7}{{}^{7} \qquad {}^{6} \qquad {}^{5} \qquad {}^{4} \qquad {}^{3} \qquad {}^{2}}$$

$$2 x - 3 x - 8 x - 3 x + 2 x + 5 x + 4 x + 1$$

Sequence: A299263
Score: 5.14814
Type of gen. func.: ogf

$$-\frac{(x + 1) (2 x^8 - 4 x^7 + 3 x^6 - 5 x^5 + x^4 - 3 x^3 - x^2 - x - 1)}{(x^2 + 1)^2 (x - 1)^4}$$

Sequence: A299264
Score: 24.9178
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^4 - 2 x + 6$$

Sequence: A299264
Score: 6.22153
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^2 - x + 1) (x + 1)^3}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^4}$$

Sequence: A299265
Score: 23.4747
Type of gen. func.: ogf_with_Euler_transform]

$$-x^3 + x^2 - 2 x + 6$$

Sequence: A299265
Score: 7.15459
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x + 1)^3}{(x^2 + x + 1) (x - 1)^4}$$

Sequence: A299266
Score: 5.80667
Type of gen. func.: ogf

$$-\left(4x^{12}-4x^{11}+x^{10}+5x^{8}+20x^{7}+18x^{6}+24x^{5}+14x^{4}+16x^{3}+5x^{2}+4x+1\right)\Big/\left((x+1)(x^{2}+x+1)(x^{2}+1)^{2}(x-1)^{3}\right)$$

Sequence: A299267
Score: 5.49634
Type of gen. func.: ogf

$$\left(4x^{12}-4x^{11}+x^{10}+5x^{8}+20x^{7}+18x^{6}+24x^{5}+14x^{4}+16x^{3}+5x^{2}+4x+1\right)\Big/\left((x+1)(x^{2}+x+1)(x^{2}+1)^{2}(x-1)^{4}\right)$$

Sequence: A299268
Score: 8.86413
Type of gen. func.: ogf

$$-\frac{x^{6}+27x^{4}+30x^{3}+15x^{2}+6x+1}{(x-1)^{3}(x+1)^{3}}$$

Sequence: A299269
Score: 6.77727
Type of gen. func.: ogf

$$\frac{x^{6}+27x^{4}+30x^{3}+15x^{2}+6x+1}{(x+1)^{3}(x-1)^{4}}$$

Sequence: A299270
Score: 8.79861
Type of gen. func.: ogf

$$-f(x)^2 x^4 + f(x)^2 x^3 - f(x)^2 x^2 + 2 f(x) x^2 - 2 f(x) x + f(x) + x - 1$$

Sequence: A299271
Score: 5.70788
Type of gen. func.: ogf

$$(24 f(x) - 19) (f(x)^2 x^4 - 2 f(x)^2 x^3 + f(x)^2 x^2 + 2 f(x) x^3 - 2 f(x) x^2 + 2 f(x) x + x^2 - f(x) - x + 1)$$

Sequence: A299272
Score: 7.02316
Type of gen. func.: ogf

$$- \frac{(x^2 + 1) (x^4 + 3 x^3 + 5 x^2 + 3 x + 1) (x + 1)^3}{(x - 1)^3 (x^2 + x + 1)^3}$$

Sequence: A299273
Score: 6.26883
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^4 + 3 x^3 + 5 x^2 + 3 x + 1) (x + 1)^3}{(x^2 + x + 1)^3 (x - 1)^4}$$

Sequence: A299276
Score: 16.4000
Type of gen. func.: ogf_with_Euler_transform]

$$-x^5 + x^4 - x^3 + x^2 - x + 5$$

Sequence: A299276
Score: 6.08014
Type of gen. func.: ogf

$$(x^2 + 1) (x^2 - x + 1) (x + 1)^3$$

$$\overline{(x^4 + x^3 + x^2 + x + 1)\,(x - 1)^4}$$

Sequence: A299279
Score: 8.57615
Type of gen. func.: ogf

$$-\frac{4\,x^7 - 3\,x^6 + 39\,x^4 + 44\,x^3 + 27\,x^2 + 8\,x + 1}{(x - 1)^3\,(x + 1)^3}$$

Sequence: A299280
Score: 6.61480
Type of gen. func.: ogf

$$\frac{4\,x^7 - 3\,x^6 + 39\,x^4 + 44\,x^3 + 27\,x^2 + 8\,x + 1}{(x + 1)^3\,(x - 1)^4}$$

Sequence: A299281
Score: 5.88962
Type of gen. func.: ogf

$$-\frac{(x + 1)\,(x^3 + x^2 + 1)\,(x^6 - 2\,x^5 + x^4 + 3\,x^2 + 2\,x + 1)}{(x^2 + 1)^2\,(x - 1)^3}$$

Sequence: A299282
Score: 5.34978
Type of gen. func.: ogf

$$\frac{(x + 1)\,(x^3 + x^2 + 1)\,(x^6 - 2\,x^5 + x^4 + 3\,x^2 + 2\,x + 1)}{(x^2 + 1)^2\,(x - 1)^4}$$

Sequence: A299283
Score: 7.41364
Type of gen. func.: ogf

$$-\frac{x^6+5x^5+9x^4+11x^3+9x^2+5x+1}{(x^2+1)(x+1)(x-1)^3}$$

Sequence: A299284
Score: 6.45454
Type of gen. func.: ogf

$$\frac{x^6+5x^5+9x^4+11x^3+9x^2+5x+1}{(x^2+1)(x+1)(x-1)^4}$$

Sequence: A299285
Score: 6.98509
Type of gen. func.: ogf

$$-\frac{x^6+8x^5+14x^4+17x^3+14x^2+8x+1}{(x^2+1)(x+1)(x-1)^3}$$

Sequence: A299286
Score: 6.15363
Type of gen. func.: ogf

$$\frac{x^6+8x^5+14x^4+17x^3+14x^2+8x+1}{(x^2+1)(x+1)(x-1)^4}$$

Sequence: A299287
Score: 10.3823
Type of gen. func.: ogf

$$-\frac{x^4+8x^3+13x^2+8x+1}{(x+1)(x-1)^3}$$

Sequence: A299287
Score: 6.13497
Type of gen. func.: ogf

$$(197 f(x) + 258)$$

$$(f(x) x^4 - 2 f(x) x^3 + x^4 + 8 x^3 + 2 f(x) x + 13 x^2 - f(x) + 8 x + 1)$$

Sequence: A299287
Score: 7.86230
Type of gen. func.: lgdogf

$$- \frac{-10 x^4 - 46 x^3 - 74 x^2 - 46 x - 10}{-x^6 - 8 x^5 - 12 x^4 + 12 x^2 + 8 x + 1}$$

Sequence: A299288
Score: 8.71203
Type of gen. func.: ogf

$$\frac{x^4 + 8 x^3 + 13 x^2 + 8 x + 1}{(x + 1) (x - 1)^4}$$

Sequence: A299289
Score: 5.46704
Type of gen. func.: ogf

$$-(25 f(x) + 59)$$

$$(f(x) x^4 - 2 f(x) x^3 + x^4 + 6 x^3 + 2 f(x) x + 12 x^2 - f(x) + 6 x + 1)$$

Sequence: A299289
Score: 9.39209
Type of gen. func.: ogf

$$- \frac{x^4 + 6 x^3 + 12 x^2 + 6 x + 1}{(x + 1) (x - 1)^3}$$

Sequence: A299290
Score: 8.14557
Type of gen. func.: ogf

$$\frac{x^4 + 6 x^3 + 12 x^2 + 6 x + 1}{(x + 1) (x - 1)^4}$$

Sequence: A299296
Score: 7.11697
Type of gen. func.: lgdogf

$$- \frac{-12 x^2 + (x^2 - 6 x + 1)^{1/2} + 7 x - 1}{2 x (6 x - 1) (x^2 - 6 x + 1)^{1/2}}$$

Sequence: A299296
Score: 8.52472
Type of gen. func.: ogf

$$6 f(x)^2 x + 3 f(x) x^2 - f(x)^2 - 8 f(x) x + f(x) + 4 x$$

Sequence: A299316
Score: 3.31240
Type of gen. func.: ogf

$$(4 x^{11} - 11 x^{10} - 6 x^9 + 21 x^8 - 6 x^7 - 13 x^6 + 37 x^5 - 10 x^4 - 20 x^3 + 8 x^2 - x + 1) / (2 x^{10} - 4 x^9 + 3 x^8 - 3 x^7 - x^6 - 4 x^5 + 10 x^4 + 5 x^3 - 5 x^2 - 2 x + 1)$$

Sequence: A299322
Score: 5.08431
Type of gen. func.: ogf

$$x^8 - 2 x^7 + 2 x^6 - 2 x^5 + x^4 + x^2 + x + 1$$

```
         -----------------------------------------
                        2         2
               (x - 1) (2 x  - 1) (x  + 1)
```

Sequence: A299335
Score: 11.4251
Type of gen. func.: ogf

$$-\frac{1}{(x+1)^2 (x-1)^7}$$

Sequence: A299335
Score: 18.4360
Type of gen. func.: lgdogf

$$-\frac{-9 x - 5}{-x^2 + 1}$$

Sequence: A299335
Score: 38.3445
Type of gen. func.: ogf_with_Euler_transform]

$$[5 + 2 x]$$

Sequence: A299335
Score: 5.96458
Type of gen. func.: ogf

$\{(n + 3) a(n + 3) - 5 a(n + 2) + (-10 - n) a(n + 1), a(0) = 1, a(1) = 5,$

$a(2) = 17\}$

Sequence: A299336
Score: 18.0345
Type of gen. func.: lgdogf

$$-\frac{-11 x - 3}{-x^2 + 1}$$

Sequence: A299336
Score: 38.3801
Type of gen. func.: ogf_with_Euler_transform]

[3 + 4 x]

Sequence: A299336
Score: 5.96731
Type of gen. func.: ogf

{(n + 3) a(n + 3) - 3 a(n + 2) + (-12 - n) a(n + 1), a(0) = 1, a(1) = 3,

a(2) = 10}

Sequence: A299336
Score: 7.58462
Type of gen. func.: ogf

$$-\frac{1}{(x+1)^4 (x-1)^7}$$

Sequence: A299337
Score: 18.0727
Type of gen. func.: lgdogf

$$-\frac{-12 x - 2}{-x^2 + 1}$$

Sequence: A299337
Score: 38.4698
Type of gen. func.: ogf_with_Euler_transform]

[2 + 5 x]

Sequence: A299337
Score: 6.02424
Type of gen. func.: ogf

```
{(n + 3) a(n + 3) - 2 a(n + 2) + (-13 - n) a(n + 1), a(0) = 1, a(1) = 2,

    a(2) = 8}



-------------------------------------------------------------------------------

Sequence:  A299337
Score: 7.26136
Type of gen. func.: ogf


                                        1
                               - -----------------
                                         5        7
                                 (x + 1)  (x - 1)



-------------------------------------------------------------------------------

Sequence:  A299338
Score: 17.8578
Type of gen. func.: lgdogf


                                   -13 x - 1
                                 - ---------
                                       2
                                    -x  + 1



-------------------------------------------------------------------------------

Sequence:  A299338
Score: 38.0199
Type of gen. func.: ogf_with_Euler_transform]


                                  [1 + 6 x]



-------------------------------------------------------------------------------

Sequence:  A299338
Score: 5.95259
Type of gen. func.: ogf


{(n + 3) a(n + 3) - a(n + 2) + (-14 - n) a(n + 1), a(0) = 1, a(1) = 1, a(2) = 7

    }



-------------------------------------------------------------------------------

Sequence:  A299338
Score: 6.32755
Type of gen. func.: ogf


                                        1
                               - -----------------
                                         6        7
                                 (x + 1)  (x - 1)
```

Sequence: A299412
Score: 8.45075
Type of gen. func.: lgdogf

$$-\frac{9x^5+23x^4+82x^3+52x^2+44x+6}{3x^6+5x^5+10x^4-x^3-11x^2-4x-2}$$

Sequence: A299412
Score: 8.59646
Type of gen. func.: ogf

$$\frac{3x(3x^4+5x^3+13x^2+4x+2)}{(x+1)^3(x-1)^4}$$

Sequence: A299443
Score: 7.60223
Type of gen. func.: ogf

$$f(x)^2x^4+2f(x)^2x^3+7f(x)^2x^2-6f(x)^2x+f(x)^2-1$$

Sequence: A299443
Score: 9.40776
Type of gen. func.: lgdogf

$$-\frac{2x^3+3x^2+7x-3}{x^4+2x^3+7x^2-6x+1}$$

Sequence: A299501
Score: 7.89842
Type of gen. func.: ogf

$$-f(x)^2x^4+2f(x)^2x^3-7f(x)^2x^2+6f(x)^2x-f(x)^2+1$$

Sequence: A299501
Score: 9.77430
Type of gen. func.: lgdogf

$$-\frac{2x^3 - 3x^2 + 7x - 3}{x^4 - 2x^3 + 7x^2 - 6x + 1}$$

Sequence: A299502
Score: 7.21418
Type of gen. func.: ogf

$$16 f(x)^2 x^4 + 8 f(x)^2 x^3 + f(x)^2 x^2 - 6 f(x)^2 x + f(x)^2 - 1$$

Sequence: A299502
Score: 8.69177
Type of gen. func.: lgdogf

$$-\frac{32x^3 + 12x^2 + x - 3}{16x^4 + 8x^3 + x^2 - 6x + 1}$$

Sequence: A299507
Score: 3.28104
Type of gen. func.: ogf

$$\{(-n^2 - n) a(n) + (13 n^2 + 17 n + 4) a(n + 1) + (13 n^2 + 61 n + 70) a(n + 2)$$
$$+ (-n^2 - 5 n - 6) a(n + 3), a(0) = 1, a(1) = 3, a(2) = 33\}$$

Sequence: A299507
Score: 6.20737
Type of gen. func.: ogf

$$f(x)^2 x^2 - 14 f(x)^2 x - f(x) x^2 + f(x)^2 + 14 f(x) x - f(x) - 3 x$$

Sequence: A299529

Score: 5.14194
Type of gen. func.: ogf

$$-(20519 f(x) + 250205) (-17 x^{3} - 35 x^{2} + f(x) - 35 x - 5)$$

Sequence: A299529
Score: 5.40905
Type of gen. func.: ogf

$$\{a(n + 4), a(0) = 5, a(1) = 35, a(2) = 35, a(3) = 17\}$$

Sequence: A299530
Score: 5.01104
Type of gen. func.: ogf

$$-(404889 f(x) + 6929861) (-17 x^{3} - 38 x^{2} + f(x) - 45 x - 10)$$

Sequence: A299530
Score: 5.39651
Type of gen. func.: ogf

$$\{a(n + 4), a(0) = 10, a(1) = 45, a(2) = 38, a(3) = 17\}$$

Sequence: A299576
Score: 4.00496
Type of gen. func.: ogf

$$(x - 1) (x^{11} + 2 x^{10} - 2 x^{9} - 5 x^{7} - 14 x^{6} - 10 x^{5} - 5 x^{4} - 5 x^{3} + 7 x^{2} + 1) \Big/ (x^{9} - 2 x^{6} - 2 x^{5} - 4 x^{4} + x^{3} + x^{2} + 2 x - 1)$$

Sequence: A299590
Score: 9.14242
Type of gen. func.: ogf

$$-\frac{x^{7} - x^{4} + 2 x^{2} + 3}{(x^{2} + 1) (x^{3} + x^{2} + x - 1)}$$

Sequence: A299591
Score: 5.44192
Type of gen. func.: ogf

$$- \frac{3 x^{8} + 4 x^{7} - 6 x^{6} - 12 x^{5} + x^{4} + 8 x^{3} - x^{2} - 5}{(x^{3} - x^{2} - 1) (x^{3} + 2 x^{2} + x - 1)}$$

Sequence: A299592
Score: 5.19020
Type of gen. func.: ogf

$$- \frac{10 x^{8} + 14 x^{7} - 10 x^{6} - 33 x^{5} - 9 x^{4} - 2 x^{3} - 3 x^{2} - 8}{(x^{3} - x^{2} - 1) (x^{3} + 2 x^{2} + x - 1)}$$

Sequence: A299593
Score: 4.85549
Type of gen. func.: ogf

$$- \frac{29 x^{8} + 39 x^{7} - 23 x^{6} - 92 x^{5} - 42 x^{4} - 32 x^{3} - 7 x^{2} - 2 x - 13}{(x^{3} - x^{2} - 1) (x^{3} + 2 x^{2} + x - 1)}$$

Sequence: A299594
Score: 4.90574
Type of gen. func.: ogf

$$- \frac{73 x^{8} + 102 x^{7} - 49 x^{6} - 234 x^{5} - 127 x^{4} - 96 x^{3} - 18 x^{2} - 5 x - 21}{(x^{3} - x^{2} - 1) (x^{3} + 2 x^{2} + x - 1)}$$

Sequence: A299639
Score: 10.8629
Type of gen. func.: ogf

3   2

$$-\frac{x\,(51453\,x - 52162\,x + 3\,x - 4)}{(x-1)^2}$$

Sequence: A299639
Score: 4.66467
Type of gen. func.: ogf

$$(65783041368882442966917945\,f(x) + 131391884677193788212734256044864)$$

$$(51453\,x^4 + f(x)\,x^2 - 52162\,x^3 - 2\,f(x)\,x + 3\,x^2 + f(x) - 4\,x)$$

Sequence: A299639
Score: 7.41117
Type of gen. func.: lgdogf

$$-\frac{-51453\,x^3 + 154359\,x^2 - 104321\,x - 5}{51453\,x^4 - 103615\,x^3 + 52165\,x^2 - 7\,x + 4}$$

Sequence: A299640
Score: 8.86133
Type of gen. func.: ogf

$$-\frac{x\,(50743\,x^6 - 51120\,x^5 - 314\,x^4 - 13\,x^3 - 5\,x^2 - 1)}{(x-1)^2}$$

Sequence: A299641
Score: 12.0706
Type of gen. func.: ogf

$$\frac{4\,x^3 + 5\,x^2 + 4\,x + 4}{(x^2+1)\,(x+1)\,(x-1)^2}$$

Sequence: A299645
Score: 10.5434
Type of gen. func.: ogf

$$-\frac{x (x + 3) (3 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A299645
Score: 11.2280
Type of gen. func.: lgdogf

$$-\frac{-9 x^3 - 43 x^2 - 31 x - 13}{-3 x^4 - 10 x^3 + 10 x + 3}$$

Sequence: A299646
Score: 10.3255
Type of gen. func.: lgdogf

$$-\frac{-x^3 + 5 x^2 + 38 x + 14}{-x^4 + 5 x^3 + 6 x^2 - 9 x - 1}$$

Sequence: A299646
Score: 10.8551
Type of gen. func.: ogf

$$-\frac{x^3 - 4 x^2 - 10 x - 1}{(x - 1)^4}$$

Sequence: A299646
Score: 4.03188
Type of gen. func.: ogf

$$\{(6481 n^2 + 39287 n + 52650) a(n + 1) + (1318 n^2 + 45314 n + 124080) a(n + 2)$$

$$+ (-7799 n^2 - 41761 n - 55092) a(n + 3), a(0) = 1, a(1) = 14, a(2) = 54\}$$

Sequence: A299646
Score: 5.53395
Type of gen. func.: ogf

$$(20711712 f(x) + 194693419)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + x^3 - 4 f(x) x - 4 x^2 + f(x) - 10 x - 1)$$

Sequence: A299647
Score: 11.7972
Type of gen. func.: lgdogf

$$-\frac{-3 x^3 - 13 x^2 - 20 x - 8}{-3 x^4 - 5 x^3 + 5 x + 3}$$

Sequence: A299647
Score: 14.3114
Type of gen. func.: ogf

$$\frac{3 x^2 + 5 x + 3}{(x + 1) (x - 1)^2}$$

Sequence: A299647
Score: 7.72562
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) - a(n), a(0) = 3, a(1) = 8, a(2) = 14\}$$

Sequence: A299647
Score: 7.7946
Type of gen. func.: ogf

$$(7 f(x) - 13) (f(x) x^3 - f(x) x^2 - f(x) x - 3 x^2 + f(x) - 5 x - 3)$$

Sequence: A299649
Score: 6.89340
Type of gen. func.: ogf

$$-\frac{6x^4+x^3-3x^2-4x-4}{6x^5+x^4-9x^3-5x^2-7x+1}$$

Sequence: A299656
Score: 4.14641
Type of gen. func.: ogf

$$-\frac{(x+1)(24x^6+8x^5+13x^4+10x^3+9x^2-4)}{12x^8+32x^7+17x^6+15x^5+18x^4+6x^3-3x^2-7x+1}$$

Sequence: A299723
Score: 5.00886
Type of gen. func.: ogf

$$\frac{2x^6+10x^5+11x^4-17x^3-25x^2-12x-1}{2x^6+11x^5+25x^4+20x^3+8x^2+6x-1}$$

Sequence: A299735
Score: 4.31799
Type of gen. func.: ogf

$$-\frac{24x^7+14x^6-25x^5+x^4+2x^3+20x^2-4}{12x^8+20x^7-23x^6-5x^5+6x^4+13x^3+4x^2-8x+1}$$

Sequence: A299784
Score: 9.87419
Type of gen. func.: ogf

$$-\frac{3x^9+7x^8-6x^7+x^6-4x^5+2x^4-4x^3+5x^2+5x+5}{(x-1)(x^2+x+1)}$$

Sequence: A299785
Score: 2.34776
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A299845
Score: 3.14870
Type of gen. func.: ogf

$$\{(n^2 + 2 n) a(n + 1) + (-19 n^2 - 50 n - 30) a(n + 2) + (19 n^2 + 102 n + 134) a(n + 3) + (-n^2 - 6 n - 8) a(n + 4), a(0) = 1, a(1) = 1, a(2) = 25, a(3) = 425\}$$

Sequence: A299845
Score: 5.48108
Type of gen. func.: ogf

$$f(x)^2 x^2 - f(x) x^3 - 18 f(x)^2 x + 17 f(x) x^2 + f(x)^2 + 17 f(x) x - 25 x^2 - f(x)$$

Sequence: A299853
Score: 11.3051
Type of gen. func.: ogf

$$-11664 x^4 + 4 f(x)^3 - 648 f(x) x^2 - 9 f(x)^2 + 216 x^2 + 6 f(x) - 1$$

Sequence: A299853
Score: 8.02573
Type of gen. func.: ogf

$$\{(-108 n^2 + 216 n - 96) a(n) + (n^2 + 3 n + 2) a(n + 2), a(0) = 1, a(1) = 12, a(2) = 12\}$$

Sequence: A299854
Score: 17.0886
Type of gen. func.: ogf

$$-11664 + 648 f(x) - 9 f(x)^2 + 4 f(x)^3 x^2$$

Sequence: A299854
Score: 7.23889
Type of gen. func.: ogf

$$\{(108 n^2 + 432 n + 420) a(n + 1) + (-n^2 - 7 n - 10) a(n + 3), a(0) = 36, a(1) = -144, a(2) = 864\}$$

Sequence: A299855
Score: 18.5559
Type of gen. func.: ogf

$$108 x^2 - 1 + 3 f(x)^2 - 2 f(x)^3$$

Sequence: A299855
Score: 7.63186
Type of gen. func.: ogf

$$\{(-108 n^2 + 48) a(n) + (n^2 + 3 n + 2) a(n + 2), a(0) = 1, a(1) = 6, a(2) = -12\}$$

Sequence: A299909
Score: 5.11194
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 7 x^8 + 11 x^7 + 12 x^6 + 6 x^5 + 12 x^4 + 11 x^3 + 7 x^2 + 5 x + 1}{(x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A299913
Score: 14.2782
Type of gen. func.: ogf

$$-\frac{x (2 x + 1)}{(x + 1) (8 x^2 - 1)}$$

Sequence: A299913
Score: 7.33203
Type of gen. func.: ogf

$$-(f(x) + 1) (8 f(x) x^3 + 8 f(x) x^2 - f(x) x + 2 x^2 - f(x) + x)$$

Sequence: A299913
Score: 7.33204
Type of gen. func.: ogf

$$\{a(n + 3) + a(n + 2) - 8 a(n + 1) - 8 a(n), a(0) = 0, a(1) = 1, a(2) = 1\}$$

Sequence: A299913
Score: 9.57478
Type of gen. func.: lgdogf

$$-\frac{-32 x^3 - 40 x^2 - 16 x - 1}{-16 x^4 - 24 x^3 - 6 x^2 + 3 x + 1}$$

Sequence: A299914
Score: 12.8498
Type of gen. func.: ogf

$$-\frac{x (3 x^2 - x - 1)}{12 x^4 - 9 x^2 + 1}$$

Sequence: A299914
Score: 7.5159
Type of gen. func.: ogf

$$-(648 f(x) + 197) (12 f(x) x^4 - 9 f(x) x^2 + 3 x^3 - x^2 + f(x) - x)$$

Sequence: A299915
Score: 12.4897

Type of gen. func.: ogf

$$-12 f(x) x^2 + 9 f(x) x - f(x) + x$$

Sequence: A299915
Score: 14.9876
Type of gen. func.: lgdogf

$$-\frac{24 x - 9}{12 x^2 - 9 x + 1}$$

Sequence: A299915
Score: 22.0406
Type of gen. func.: ogf

$$\frac{x}{12 x^2 - 9 x + 1}$$

Sequence: A299915
Score: 9.13880
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) + 12 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A299916
Score: 10.5274
Type of gen. func.: lgdogf

$$-\frac{-36 x^2 + 24 x - 6}{-36 x^3 + 39 x^2 - 12 x + 1}$$

Sequence: A299916
Score: 15.7912
Type of gen. func.: ogf

$$-\frac{3 x - 1}{}$$

$$12 x^2 - 9 x + 1$$

Sequence: A299916
Score: 7.98236
Type of gen. func.: ogf

$$-(37 f(x) - 1) (12 f(x) x^2 - 9 f(x) x + f(x) + 3 x - 1)$$

Sequence: A299916
Score: 8.75173
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) + 12 a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A299921
Score: 7.06239
Type of gen. func.: ogf

$$- \frac{x (x + 1) (x^6 + 3 x^5 + 6 x^4 - 25 x^3 + 6 x^2 + 3 x + 1)}{(x - 1) (x^2 + x + 1) (x^6 - 34 x^3 + 1)}$$

Sequence: A299958
Score: 23.1836
Type of gen. func.: revogf

$$\frac{x}{(1 - 25 x)^{1/5}}$$

Sequence: A299960
Score: 14.7849
Type of gen. func.: ogf

$$- \frac{4 x - 1}{(16 x - 1) (x - 1)}$$

Sequence: A299960
Score: 7.39242
Type of gen. func.: ogf

$$-(189 f(x) - 20) (16 f(x) x^2 - 17 f(x) x + f(x) + 4 x - 1)$$

Sequence: A299960
Score: 8.17515
Type of gen. func.: ogf

$$\{a(n + 2) - 17 a(n + 1) + 16 a(n), a(0) = 1, a(1) = 13\}$$

Sequence: A299960
Score: 9.92697
Type of gen. func.: lgdogf

$$-\frac{-64 x^2 + 32 x - 13}{-64 x^3 + 84 x^2 - 21 x + 1}$$

Sequence: A299965
Score: 11.0583
Type of gen. func.: ogf

$$-\frac{2 x (2 x + 1) (x - 10)}{(x - 1)^4}$$

Sequence: A299965
Score: 12.1966
Type of gen. func.: lgdogf

$$-\frac{-4 x^2 + 53 x + 59}{-2 x^3 + 21 x^2 - 9 x - 10}$$

Sequence: A299965
Score: 4.04571
Type of gen. func.: ogf

$\{(30 + 10 n) a(n + 4) + (-41 + 9 n) a(n + 3) + (-74 - 21 n) a(n + 2)$

$+ (2 n + 4) a(n + 1), a(0) = 0, a(1) = 20, a(2) = 118, a(3) = 348\}$

Sequence: A299965
Score: 5.60385
Type of gen. func.: ogf

$$(1441476 f(x) + 39143765)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 4 x^3 - 4 f(x) x - 38 x^2 + f(x) - 20 x)$$

Sequence: A300067
Score: 14.4579
Type of gen. func.: ogf

$$- \frac{x^3 (2 x^2 + 2 x + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A300068
Score: 14.8336
Type of gen. func.: ogf

$$\frac{x^3 (x^3 + x + 1)}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A300069
Score: 19.6562
Type of gen. func.: ogf_with_Euler_transform]

$$[x^5 - 2 x + 2]$$

Sequence: A300069
Score: 7.42306
Type of gen. func.: ogf

$$-\frac{x^3 (x + 1)}{(x - 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A300075
Score: 9.21855
Type of gen. func.: ogf

$$-\frac{x (2 x^4 + 2 x^3 + 2 x^2 + x + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A300076
Score: 17.5146
Type of gen. func.: ogf

$$\frac{x (x^5 + x^2 + 1)}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A300159
Score: 10.9888
Type of gen. func.: lgdegf]

$$-\frac{x^2 - 5 x + 5}{x^3 - 4 x^2 + 5 x - 2}$$

Sequence: A300177
Score: 4.89915
Type of gen. func.: ogf

$$-(853 f(x) + 153) (6 f(x) x^3 + 7 f(x) x^2 + 7 f(x) x + 3 x^2 - f(x) + 4 x + 4)$$

Sequence: A300177
Score: 5.06956
Type of gen. func.: ogf

{a(n + 3) - 7 a(n + 2) - 7 a(n + 1) - 6 a(n), a(0) = 4, a(1) = 32, a(2) = 255}

Sequence: A300177
Score: 9.55736
Type of gen. func.: ogf

$$-\frac{3x^2+4x+4}{6x^3+7x^2+7x-1}$$

Sequence: A300178
Score: 4.42180
Type of gen. func.: ogf

$$-\frac{5x^5+x^4+5x^3-25x^2-16x-8}{10x^6+x^5+10x^4-51x^3-27x^2-14x+1}$$

Sequence: A300203
Score: 7.81812
Type of gen. func.: ogf

$$-\frac{6x^4+7x^3-4}{6x^5+13x^4-5x^3+2x^2-8x+1}$$

Sequence: A300210
Score: 4.25924
Type of gen. func.: ogf

$$-\frac{24x^7+44x^6+21x^5+15x^4+13x^3+12x^2-4}{12x^8+44x^7+25x^6+4x^5+15x^4+8x^3+4x^2-8x+1}$$

Sequence: A300254
Score: 11.4724
Type of gen. func.: ogf

$$\frac{50 (5 x^2 + 13 x + 2)}{(x - 1)^4}$$

Sequence: A300254
Score: 12.6534
Type of gen. func.: lgdogf

$$- \frac{10 x^2 + 49 x + 21}{5 x^3 + 8 x^2 - 11 x - 2}$$

Sequence: A300254
Score: 4.07788
Type of gen. func.: ogf

$$\{(2 n + 8) a(n + 4) + (12 + 11 n) a(n + 3) + (-65 - 8 n) a(n + 2)$$
$$+ (-15 - 5 n) a(n + 1), a(0) = 100, a(1) = 1050, a(2) = 3850, a(3) = 9500\}$$

Sequence: A300254
Score: 5.69822
Type of gen. func.: ogf

$$(19975040 f(x) + 9500448051)$$
$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 250 x^2 + f(x) - 650 x - 100)$$

Sequence: A300290
Score: 10.9561
Type of gen. func.: ogf

$$- \frac{x (3 x^4 + 3 x^3 + 2 x^2 + 2 x + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A300293
Score: 16.3688
Type of gen. func.: ogf

$$\frac{x^2 (x^4 + x^3 + 1)}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A300344
Score: 7.45875
Type of gen. func.: ogf

$$-\frac{2 x^4 + 2 x^3 + 2 x^2 + x + 1}{x^5 + 2 x^4 + 3 x^3 + 2 x^2 + x - 1}$$

Sequence: A300345
Score: 5.18623
Type of gen. func.: ogf

$$\frac{2 x^9 + x^8 - 4 x^7 - 3 x^6 - 5 x^5 - 4 x^4 + 2 x^3 - 4 x^2 + 4 x + 1}{(x^4 + x - 1) (x^4 + 2 x^3 + 2 x^2 + x - 1)}$$

Sequence: A300367
Score: 3.90151
Type of gen. func.: ogf

$$-\frac{x (x^{12} - x^{11} - x^{10} - x^9 + x^7 + x^6 - x^5 - x^3 - 2 x^2 - 1)}{(x^2 + 1) (x^5 - x^4 - x^3 - x - 1) (x^7 - x^6 + x^4 + 2 x^3 + x^2 + x - 1)}$$

Sequence: A300374
Score: 6.29058
Type of gen. func.: ogf

$$-\frac{2 x^6 - 3 x^5 - x^4 - 4 x^3 - 2 x^2 + 3 x + 1}{x^7 - 3 x^6 + x^5 + 2 x^3 + 4 x^2 - 1}$$

Sequence: A300402
Score: 10.0059
Type of gen. func.: ogf

$$(8 f(x) - 3) (x^4 + f(x) x + x^2 - f(x) + 1)$$

Sequence: A300402
Score: 16.1320
Type of gen. func.: ogf

$$-\frac{(x^2 + x + 1) (x^2 - x + 1)}{x - 1}$$

Sequence: A300402
Score: 27.1869
Type of gen. func.: ogf_with_Euler_transform]

$$[-x^5 + x + 1]$$

Sequence: A300402
Score: 7.31913
Type of gen. func.: ogf

$$\{-a(n + 5) + a(n + 4), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 2, a(4) = 3\}$$

Sequence: A300403
Score: 11.4931
Type of gen. func.: lgdogf

$$-\frac{-2 x^3 + 3 x^2 + 1}{x^4 - x^3 + x - 1}$$

Sequence: A300403
Score: 17.3674
Type of gen. func.: ogf

2   2

$$-\frac{x\ (x\ - x + 1)\ (x + 1)}{x - 1}$$

Sequence: A300403
Score: 26.8797
Type of gen. func.: ogf_with_Euler_transform]

$$-x^{5} + x^{2} + 1$$

Sequence: A300403
Score: 6.62317
Type of gen. func.: ogf

{-a(n + 2) + a(n + 1), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 1, a(4) = 1,

a(5) = 2}

Sequence: A300403
Score: 8.22667
Type of gen. func.: ogf

$$-(14 f(x)^{2} + 20 f(x) + 5) (x^{5} + f(x) x + x^{2} - f(x))$$

Sequence: A300404
Score: 10.9787
Type of gen. func.: lgdogf

$$-\frac{-2 x^{3} + 2 x^{2} + 2 x + 2}{x^{4} - x^{2} + 2 x - 2}$$

Sequence: A300404
Score: 16.1320
Type of gen. func.: ogf

$$-\frac{x^{3} + x^{2} + 2}{x - 1}$$

Sequence: A300404
Score: 8.23402
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3), a(0) = 2, a(1) = 2, a(2) = 3, a(3) = 4\}$$

Sequence: A300404
Score: 9.2996
Type of gen. func.: ogf

$$-(17 f(x) - 23) (x^3 + f(x) x + x^2 - f(x) + 2)$$

Sequence: A300415
Score: 15.6886
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x (x^2 - 2 x - 2)}{(x - 1) (x + 1)}$$

Sequence: A300415
Score: 16.7808
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^3 - 2 x^2 - 2 x}{-x^2 + 1}$$

Sequence: A300421
Score: 7.65104
Type of gen. func.: ogf

$$\frac{x^6 - x^4 - 3 x^3 + 1}{x^6 + 2 x^5 + 3 x^4 - x^2 - 3 x + 1}$$

Sequence: A300438

Score: 11.4758
Type of gen. func.: lgdogf

$$-\frac{x^4 + 4x^3 - x^2 - 2x - 4}{x^5 - 3x^3 - 3x^2 + 1}$$

Sequence: A300438
Score: 12.5191
Type of gen. func.: ogf

$$\frac{(x+1)^3}{x^4 - x^3 - 2x^2 - x + 1}$$

Sequence: A300438
Score: 7.03625
Type of gen. func.: ogf

(7 f(x) + 3)

$$(f(x)\,x^4 - f(x)\,x^3 - 2 f(x)\,x^2 - x^3 - f(x)\,x - 3x^2 + f(x) - 3x - 1)$$

Sequence: A300451
Score: 11.5742
Type of gen. func.: lgdogf

$$-\frac{-14x^2 + 2x - 2}{-14x^3 + 15x^2 - 6x + 1}$$

Sequence: A300451
Score: 12.5076
Type of gen. func.: ogf

$$-\frac{7x^2 - 4x + 1}{(2x-1)^3}$$

Sequence: A300451
Score: 6.86259
Type of gen. func.: ogf

$$(4 f(x) - 13) (8 f(x) x^3 - 12 f(x) x^2 + 6 f(x) x + 7 x^2 - f(x) - 4 x + 1)$$

Sequence: A300451
Score: 6.86260
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 12 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 2, a(2) = 7\}$$

Sequence: A300467
Score: 4.87441
Type of gen. func.: ogf

$$\frac{x^6 - 2 x^4 - 2 x^3 - 10 x^2 + 5 x + 4}{(x - 1) (x + 1) (x^5 - x^4 + 5 x^3 - 2 x^2 + 6 x - 1)}$$

Sequence: A300500
Score: 6.02987
Type of gen. func.: ogf

$$- \frac{2 x^6 - x^5 - 2 x^4 - 6 x^3 - 2 x^2 - x + 2}{(x - 1) (x^6 - x^5 - 4 x^3 - x + 1)}$$

Sequence: A300522
Score: 12.2263
Type of gen. func.: ogf

$$\frac{5 (7 x^2 + 16 x + 2)}{(x - 1)^4}$$

Sequence: A300522

Score: 12.9455
Type of gen. func.: lgdogf

$$-\frac{14 x^{2} + 62 x + 24}{7 x^{3} + 9 x^{2} - 14 x - 2}$$

Sequence: A300522
Score: 4.23220
Type of gen. func.: ogf

$$\{(2 n + 8) a(n + 4) + (18 + 14 n) a(n + 3) + (-80 - 9 n) a(n + 2)$$

$$+ (-21 - 7 n) a(n + 1), a(0) = 10, a(1) = 120, a(2) = 455, a(3) = 1140\}$$

Sequence: A300522
Score: 6.28783
Type of gen. func.: ogf

$$(6985 f(x) + 406162)$$

$$(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 4 f(x) x - 35 x^{2} + f(x) - 80 x - 10)$$

Sequence: A300523
Score: 11.8358
Type of gen. func.: ogf

$$\frac{5 (2 x^{2} + 16 x + 7)}{(x - 1)^{4}}$$

Sequence: A300523
Score: 12.7191
Type of gen. func.: lgdogf

$$-\frac{4 x^{2} + 52 x + 44}{2 x^{3} + 14 x^{2} - 9 x - 7}$$

Sequence: A300523
Score: 4.09700
Type of gen. func.: ogf

$$\{(7 n + 28) a(n + 4) + (-17 + 9 n) a(n + 3) + (-80 - 14 n) a(n + 2) + (-6 - 2 n) a(n + 1), a(0) = 35, a(1) = 220, a(2) = 680, a(3) = 1540\}$$

Sequence: A300523
Score: 6.08698
Type of gen. func.: ogf

$$(4995 f(x) + 361759) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 10 x^2 + f(x) - 80 x - 35)$$

Sequence: A300533
Score: 7.41683
Type of gen. func.: ogf

$$- \frac{x^5 + 2 x^4 + 3 x^3 + 2 x^2 - 2 x - 1}{x^6 - 2 x^3 - 4 x^2 - x + 1}$$

Sequence: A300541
Score: 3.81456
Type of gen. func.: ogf

$$\frac{x^9 + 3 x^8 - 2 x^7 - 7 x^6 - 11 x^5 + 2 x^4 + 4 x^3 - 7 x^2 - 6 x - 1}{(x + 1) (2 x^7 + 2 x^6 + 2 x^5 - 5 x^4 - 3 x^3 + 3 x^2 + 6 x - 1)}$$

Sequence: A300574
Score: 11.6114
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^6 - x^5 - x^4 + x^2 - 1}{-x^8 + 1}$$

Sequence: A300574
Score: 7.65337
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^6 - x^5 - x^4 + x^2 - 1}{(x - 1)(x + 1)(x^2 + 1)(x^4 + 1)}$$

Sequence: A300575
Score: 12.5413
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^6 - x^4 + x^2 + x - 1}{-x^8 + 1}$$

Sequence: A300575
Score: 8.09676
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^6 - x^4 + x^2 + x - 1}{(x - 1)(x + 1)(x^2 + 1)(x^4 + 1)}$$

Sequence: A300576
Score: 10.2542
Type of gen. func.: lgdogf

$$-\frac{2x^3 - 6x^2 + 2x - 2}{-2x^4 + 3x^3 - x^2 - x + 1}$$

Sequence: A300576
Score: 10.9379
Type of gen. func.: ogf

$$-f(x)\,x^2 + 2x^3 + 2f(x)\,x - x^2 - f(x) + 1$$

Sequence: A300576
Score: 14.3919
Type of gen. func.: ogf

$$\frac{2 x^{3} - x^{2} + 1}{(x - 1)^{2}}$$

Sequence: A300576
Score: 7.19596
Type of gen. func.: ogf

$$\{-a(n + 4) + 2 a(n + 3) - a(n + 2), a(0) = 1, a(1) = 2, a(2) = 2, a(3) = 4\}$$

Sequence: A300583
Score: 3.10484
Type of gen. func.: ogf

$$(236196 x^{10} - 39366 x^{9} - 13122 x^{8} + 2187 x^{7} + 1458 x^{6} + 486 x^{5} - 81 x^{4} - 27 x^{3} + 1) / ((6 x - 1) (18 x^{2} - 1) (15309 x^{7} + 1458 x^{6} - 243 x^{4} - 81 x^{3} + 1))$$

Sequence: A300622
Score: 10.8484
Type of gen. func.: ogf

$$(16 f(x) - 197) (4 f(x) x^{4} + x^{3} + 2 x^{2} - f(x) + x + 1)$$

Sequence: A300659
Score: 4.71401
Type of gen. func.: ogf

$$\{-a(n + 5), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 6, a(4) = 8\}$$

Sequence: A300659
Score: 5.3704
Type of gen. func.: ogf

$$(1664 f(x) - 1013) (-8 x^4 - 6 x^3 - 2 x^2 + f(x) - x - 1)$$

Sequence: A300738
Score: 6.71390
Type of gen. func.: ogf

$$- \frac{x^2 (9 x^6 + 8 x^5 - 6 x^3 - 5 x^2 - 4 x - 3)}{(x^3 + x^2 - 1) (x^6 - x^2 - 1)}$$

Sequence: A300758
Score: 5.98023
Type of gen. func.: ogf

$$-(536 f(x) + 5379)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 12 x^2 + f(x) - 12 x)$$

Sequence: A300760
Score: 6.72735
Type of gen. func.: ogf

$$- \frac{x (8 x^5 + 5 x^4 + 6 x^3 + 2 x^2 + 2 x + 1)}{(x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^5}$$

Sequence: A300761
Score: 7.28230
Type of gen. func.: ogf

$$- \frac{x (5 x^5 + x^4 + 4 x^3 + x + 1)}{(x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^5}$$

Sequence: A300781
Score: 9.68698
Type of gen. func.: ogf

$$\frac{6 x^{10} + 4 x^{9} - 4 x^{8} - 4 x^{7} - 4 x^{6} - 2 x^{5} - 4 x^{4} - 2 x^{3} - x^{2} - 1}{x - 1}$$

Sequence: A300793
Score: 10.7659
Type of gen. func.: lgdegf]

$$- \frac{-8 x^{2} + 8 x - 3}{-4 x^{3} + 6 x^{2} - 4 x + 1}$$

Sequence: A300793
Score: 3.25008
Type of gen. func.: ogf

$$\{(4 n^{3} + 32 n^{2} + 84 n + 72) a(n + 1) + (-6 n^{2} - 38 n - 60) a(n + 2) + (4 n + 15) a(n + 3) - a(n + 4), a(0) = 1, a(1) = 3, a(2) = 13, a(3) = 75\}$$

Sequence: A300793
Score: 6.82196
Type of gen. func.: egf]

$$-8 f(x)^{2} x^{4} + 16 f(x)^{2} x^{3} - 14 f(x)^{2} x^{2} + 6 f(x)^{2} x - f(x)^{2} + 1$$

Sequence: A300799
Score: 10.3623
Type of gen. func.: ogf

$$- \frac{4 (2 x + 1) (x - 1)}{(x + 1) (5 x^{2} - 8 x + 1)}$$

Sequence: A300799
Score: 5.31176
Type of gen. func.: ogf

$$-(1239 f(x) + 22) (5 f(x) x^3 - 3 f(x) x^2 - 7 f(x) x + 8 x^2 + f(x) - 4 x - 4)$$

Sequence: A300799
Score: 5.49651
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) - 3 a(n + 1) + 5 a(n), a(0) = 4, a(1) = 32, a(2) = 228\}$$

Sequence: A300799
Score: 6.19705
Type of gen. func.: lgdogf

$$- \frac{-10 x^4 + 10 x^3 - 2 x^2 - 2 x - 8}{-10 x^5 + 11 x^4 + 16 x^3 - 12 x^2 - 6 x + 1}$$

Sequence: A300843
Score: 10.7385
Type of gen. func.: lgdegf]

$$- \frac{4 x^2 + 2 x - 36}{x^3 - x^2 - 6 x + 6}$$

Sequence: A300843
Score: 4.17967
Type of gen. func.: ogf

$$\{(-2 n^2 - 12 n - 18) a(n + 1) + (-n^2 - 7 n - 18) a(n + 2) + (n + 1) a(n + 3),$$
$$a(0) = 0, a(1) = 0, a(2) = 9\}$$

Sequence: A300843
Score: 7.67038
Type of gen. func.: egf]

$$- \frac{3 x^2 (x^2 - 6)}{}$$

$$4 (x - 1)^6$$

Sequence: A300846
Score: 4.33664
Type of gen. func.: ogf

$$\{(-n^2 - 4 n - 4) a(n + 1) + (5 n^2 + 27 n + 54) a(n + 2) + (-4 n^2 - 8 n - 4) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 24\}$$

Sequence: A300846
Score: 6.89920
Type of gen. func.: ogf

$$\frac{12 x^2 (x^3 + 12 x^2 + 15 x + 2)}{(x - 1)^6}$$

Sequence: A300846
Score: 8.92838
Type of gen. func.: lgdogf

$$-\frac{3 x^3 + 51 x^2 + 99 x + 27}{x^4 + 11 x^3 + 3 x^2 - 13 x - 2}$$

Sequence: A300847
Score: 11.0623
Type of gen. func.: ogf

$$\frac{12 x^5}{(x - 1)^6}$$

Sequence: A300847
Score: 28.8409
Type of gen. func.: lgdogf

$$\frac{6}{-x + 1}$$

Sequence: A300847
Score: 5.45639
Type of gen. func.: ogf

$$\{(-3 + n)\, a(n + 2) + (-2 - n)\, a(n + 1),\ a(0) = 0,\ a(1) = 0,\ a(2) = 0,\ a(3) = 0,\ a(4) = 0,\ a(5) = 12\}$$

Sequence: A300847
Score: 61.6634
Type of gen. func.: ogf_with_Euler_transform]

$$[6]$$

Sequence: A300850
Score: 4.35375
Type of gen. func.: ogf

$$\{(12 n^2 + 30 n)\, a(n + 1) + (n^2 + 22 n + 21)\, a(n + 2) + (-n^2 - 3 n - 2)\, a(n + 3),\ a(0) = 0,\ a(1) = 0,\ a(2) = 10\}$$

Sequence: A300851
Score: 4.71023
Type of gen. func.: egf]

$$\frac{x^2 (40 x^4 - 8 x^3 - 281 x^2 + 456 x + 3)}{(x - 1)^8}$$

Sequence: A300910
Score: 7.47892
Type of gen. func.: lgdegf]

$$\frac{(-1 - \pi I) (x + 1)}{(x - 1)^3} + \frac{1 + (x + 1) \ln(x - 1)}{(x - 1)^3}$$

Sequence: A300925
Score: 3.73518
Type of gen. func.: ogf

$$\frac{x^9 + 4 x^8 - x^7 - 11 x^6 - 4 x^5 + 9 x^4 + 5 x^3 - 3 x^2 - 5 x - 1}{2 x^8 + 6 x^7 + 3 x^6 - 6 x^5 - 9 x^4 - 3 x^3 + 6 x^2 + 6 x - 1}$$

Sequence: A300950
Score: 4.74013
Type of gen. func.: ogf

$$(x^{15} + 3 x^{14} + x^{13} + 3 x^{12} + x^{11} + 3 x^{10} + x^9 + 3 x^8 + 33 x^7 + 3 x^6 + x^5 + 3 x^4 + x^3 + 3 x^2 + x + 3) \Big/ ((x + 1) (x^2 + 1) (x^8 + 1) (x^4 + 1) (x - 1)^2)$$

Sequence: A301137
Score: 6.32525
Type of gen. func.: ogf

$$- \frac{2 x^{11} - x^9 + 7 x^7 + 26 x^6 + 28 x^5 + 28 x^4 + 16 x^3 + 9 x^2 + 4 x + 1}{(x - 1)^3 (x^2 + x + 1)^3}$$

Sequence: A301138
Score: 4.69308
Type of gen. func.: ogf

$$- \frac{x^9 + 3 x^8 + x^7 + 21 x^6 + 14 x^5 + 18 x^4 + 13 x^3 + 5 x^2 + 3 x + 1}{(x^2 + 1) (x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A301139
Score: 4.47392
Type of gen. func.: ogf

$$(2 x^{11} - 3 x^{10} - 3 x^8 - 18 x^7 - 6 x^6 - 18 x^5 - 10 x^4 - 8 x^3 - 5 x^2 - 2 x - 1) \bigg/ ((x + 1) (x^2 + 1)^3 (x - 1)^3)$$

Sequence: A301270
Score: 6.77296
Type of gen. func.: revegf]

$$-1/9 \frac{4^{1/3} 3^{2/3} \ln(4/3)}{(x + 4/3)^{1/3}} + 1/9 \frac{4^{1/3} 3^{2/3} \ln(x + 4/3)}{(x + 4/3)^{1/3}}$$

Sequence: A301271
Score: 6.38712
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) + (-14 - 16 n) a(n + 1), a(0) = 1, a(1) = -2\}$$

Sequence: A301272
Score: 3.54329
Type of gen. func.: ogf

$$\{(-8 n^2 - 8 n) a(n) + (-2 n^2 + 2 n + 4) a(n + 1) + (5 n^2 - 4 n - 1) a(n + 2)$$
$$+ (-n^2 + n) a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1, a(4) = 6\}$$

Sequence: A301272
Score: 9.00077
Type of gen. func.: lgdogf

$$- \frac{48 x^4 + 48 x^2 - 6}{16 x^5 + 4 x^4 - 2 x^3 + 4 x^2 - 5 x + 1}$$

Sequence: A301272
Score: 9.78834
Type of gen. func.: ogf

$$-\frac{x^3 (2 x^2 + 1)}{(4 x - 1) (2 x - 1)^2 (x + 1)^2}$$

Sequence: A301281
Score: 8.96469
Type of gen. func.: ogf

$$\frac{223 x^7 - 176 x^6 - 39 x^5 - x^4 - 6 x^3 - x^2 - 1}{x - 1}$$

Sequence: A301282
Score: 8.49399
Type of gen. func.: ogf

$$\frac{224 x^7 - 176 x^6 - 39 x^5 - x^4 - 6 x^3 - 2 x^2 + x - 2}{x - 1}$$

Sequence: A301283
Score: 5.21306
Type of gen. func.: ogf

$$-\frac{x^{10} - x^8 - 3 x^7 - 6 x^6 - 6 x^5 - 9 x^4 - 5 x^3 - 5 x^2 - 2 x - 1}{(x^2 + x + 1) (x^2 + 1)^2 (x - 1)^2}$$

Sequence: A301284
Score: 5.28192
Type of gen. func.: ogf

$$\frac{x^{10} - x^8 - 3 x^7 - 6 x^6 - 6 x^5 - 9 x^4 - 5 x^3 - 5 x^2 - 2 x - 1}{(x^2 + 1)^2 (x^2 + x + 1) (x - 1)^3}$$

Sequence: A301285
Score: 5.58267

Type of gen. func.: ogf

$$\frac{x^8 + 2 x^7 + 5 x^6 + 7 x^5 + 7 x^4 + 7 x^3 + 5 x^2 + 2 x + 1}{(x^2 + x + 1) (x^2 + 1)^2 (x - 1)^2}$$

Sequence: A301286
Score: 5.58470
Type of gen. func.: ogf

$$-\frac{x^8 + 2 x^7 + 5 x^6 + 7 x^5 + 7 x^4 + 7 x^3 + 5 x^2 + 2 x + 1}{(x^2 + 1)^2 (x^2 + x + 1) (x - 1)^3}$$

Sequence: A301287
Score: 6.30539
Type of gen. func.: ogf

$$-\frac{2 x^8 - 2 x^7 - x^6 - 4 x^5 - 2 x^4 - 2 x^3 - 4 x^2 - 2 x - 1}{(x^2 + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A301288
Score: 6.47636
Type of gen. func.: ogf

$$\frac{2 x^8 - 2 x^7 - x^6 - 4 x^5 - 2 x^4 - 2 x^3 - 4 x^2 - 2 x - 1}{(x^2 + 1) (x^2 + x + 1) (x - 1)^3}$$

Sequence: A301289
Score: 5.86565
Type of gen. func.: ogf

$$-\frac{2 x^9 - 6 x^8 + 4 x^7 - 6 x^6 - 3 x^4 - 4 x^3 - 2 x - 1}{(x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A301290
Score: 5.96664
Type of gen. func.: ogf

$$\frac{2x^9 - 6x^8 + 4x^7 - 6x^6 - 3x^4 - 4x^3 - 2x - 1}{(x^2 + 1)(x^2 + x + 1)(x^2 - x + 1)(x - 1)^3}$$

Sequence: A301291
Score: 5.63827
Type of gen. func.: ogf

$$(19 f(x) + 28)(f(x) x^4 - 2 f(x) x^3 - x^4 + 2 f(x) x^2 - 3 x^3 - 2 f(x) x - x^2 + f(x) - 3 x - 1)$$

Sequence: A301291
Score: 9.75088
Type of gen. func.: ogf

$$\frac{x^4 + 3x^3 + x^2 + 3x + 1}{(x^2 + 1)(x - 1)^2}$$

Sequence: A301292
Score: 8.35714
Type of gen. func.: ogf

$$-\frac{x^4 + 3x^3 + x^2 + 3x + 1}{(x^2 + 1)(x - 1)^3}$$

Sequence: A301293
Score: 10.9056
Type of gen. func.: lgdogf

$$-\frac{-4x^3 - 2x^2 - 2x - 4}{-x^5 - x^3 + x^2 + 1}$$

Sequence: A301293
Score: 25.0060
Type of gen. func.: ogf_with_Euler_transform]

$$x^3 - 2 x^2 - x + 4$$

Sequence: A301293
Score: 5.67689
Type of gen. func.: ogf

$$(-3 + 19 f(x)) (f(x) x^4 - 2 f(x) x^3 - x^4 + 2 f(x) x^2 - 2 x^3 - 2 f(x) x - 3 x^2 + f(x) - 2 x - 1)$$

Sequence: A301293
Score: 9.75088
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)^2}{(x^2 + 1) (x - 1)^2}$$

Sequence: A301294
Score: 23.4167
Type of gen. func.: ogf_with_Euler_transform]

$$x^3 - 2 x^2 - x + 5$$

Sequence: A301294
Score: 8.35714
Type of gen. func.: ogf

$$- \frac{(x^2 + x + 1)^2}{(x^2 + 1) (x - 1)^3}$$

Sequence: A301294
Score: 9.25255
Type of gen. func.: lgdogf

$$-\frac{-x^4 - 5x^3 - 4x^2 - 3x - 5}{-x^5 - x^3 + x^2 + 1}$$

Sequence: A301298
Score: 10.8165
Type of gen. func.: ogf

$$\frac{x^4 + 4x^3 + 4x^2 + 4x + 1}{(x^2 + x + 1)(x - 1)^2}$$

Sequence: A301298
Score: 6.45635
Type of gen. func.: ogf

$$(67 f(x) + 36)(f(x) x^4 - f(x) x^3 - x^4 - 4x^3 - f(x) x - 4x^2 + f(x) - 4x - 1)$$

Sequence: A301299
Score: 13.7012
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)(x^3 + x^2 + 1)(x^3 + x + 1)(x + 1)^2}{(x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2}$$

Sequence: A301300
Score: 6.01649
Type of gen. func.: ogf

$$-\frac{(x^2 + x + 1)(x^3 + x^2 + 1)(x^3 + x + 1)(x + 1)^2}{(x^4 + x^3 + x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A301301
Score: 9.60852
Type of gen. func.: ogf

$$-(x^{15} - x^{14} + 2 x^{13} - x^{12} - x^{9} - 2 x^{8} - 2 x^{7} - 4 x^{6} - 4 x^{5} - 5 x^{4} - 4 x^{3} - 3 x^{2} - 2 x - 1) (x + 1)^{2} \Big/ ((x - 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A301302
Score: 4.37512
Type of gen. func.: ogf

$$(x^{15} - x^{14} + 2 x^{13} - x^{12} - x^{9} - 2 x^{8} - 2 x^{7} - 4 x^{6} - 4 x^{5} - 5 x^{4} - 4 x^{3} - 3 x^{2} - 2 x - 1) (x + 1)^{2} \Big/ ((x^{4} + x^{3} + x^{2} + x + 1)^{2} (x - 1)^{3})$$

Sequence: A301318
Score: 14.6453
Type of gen. func.: ogf

$$-\frac{x (x^{4} + 2 x^{3} - 3 x^{2} - 2 x - 1)}{x^{6} - 6 x^{3} + 1}$$

Sequence: A301379
Score: 4.73386
Type of gen. func.: ogf

$$-\frac{2 x^{7} - 26 x^{6} - 28 x^{5} + 40 x^{4} + 37 x^{3} - 13 x^{2} - 10 x - 1}{6 x^{9} - 4 x^{8} - 142 x^{7} - 92 x^{6} + 234 x^{5} + 170 x^{4} - 77 x^{3} - 59 x^{2} - 4 x + 1}$$

Sequence: A301380
Score: 4.77706
Type of gen. func.: ogf

```
                 7       6        5       4       3       2
```

$$-\frac{30 x + 24 x - 108 x - 98 x + 43 x + 45 x + 4 x - 1}{6 x^{9} - 4 x^{8} - 142 x^{7} - 92 x^{6} + 234 x^{5} + 170 x^{4} - 77 x^{3} - 59 x^{2} - 4 x + 1}$$

Sequence: A301383
Score: 13.3895
Type of gen. func.: ogf

$$\frac{2 x^{2} - 3 x - 1}{(x - 1) (x^{2} - 6 x + 1)}$$

Sequence: A301383
Score: 6.86353
Type of gen. func.: ogf

$$-(7736 f(x) - 75) (f(x) x^{3} - 7 f(x) x^{2} + 7 f(x) x - 2 x^{2} - f(x) + 3 x + 1)$$

Sequence: A301383
Score: 7.16455
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) - 7 a(n + 1) + a(n), a(0) = 1, a(1) = 10, a(2) = 61\}$$

Sequence: A301383
Score: 8.08672
Type of gen. func.: lgdogf

$$-\frac{2 x^{4} - 6 x^{3} + 4 x^{2} + 18 x - 10}{2 x^{5} - 17 x^{4} + 34 x^{3} - 16 x^{2} - 4 x + 1}$$

Sequence: A301402
Score: 14.3129
Type of gen. func.: ogf

$$-\frac{4 (x + 1)}{7 x^{2} + 7 x - 1}$$

Sequence: A301402
Score: 6.77982
Type of gen. func.: ogf

$$-(4417 f(x) - 1284) (7 f(x) x^2 + 7 f(x) x - f(x) + 4 x + 4)$$

Sequence: A301402
Score: 7.76002
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) - 7 a(n), a(0) = 4, a(1) = 32\}$$

Sequence: A301402
Score: 9.75882
Type of gen. func.: lgdogf

$$-\frac{-7 x^2 - 14 x - 8}{-7 x^3 - 14 x^2 - 6 x + 1}$$

Sequence: A301403
Score: 5.23397
Type of gen. func.: ogf

$$-\frac{4 (x^4 - 6 x^3 + x^2 + 6 x + 2)}{4 x^5 - 29 x^4 + 9 x^3 + 40 x^2 + 13 x - 1}$$

Sequence: A301417
Score: 8.03056
Type of gen. func.: ogf

$$-\frac{x^4 + 3 x^3 + 3 x^2 + x - 1}{(x - 1) (x^4 + 4 x^3 + 6 x^2 + 4 x - 1)}$$

Sequence: A301420
Score: 6.17948
Type of gen. func.: ogf

$$-\frac{(x^2 + x + 1)(x^3 + 3x^2 + 2x - 1)}{(x - 1)(x^5 + 5x^4 + 10x^3 + 10x^2 + 5x - 1)}$$

Sequence: A301424
Score: 5.11044
Type of gen. func.: ogf

$$-\frac{x^7 + 6x^6 + 15x^5 + 20x^4 + 15x^3 + 6x^2 + x - 1}{(x - 1)(x^7 + 7x^6 + 21x^5 + 35x^4 + 35x^3 + 21x^2 + 7x - 1)}$$

Sequence: A301438
Score: 11.0895
Type of gen. func.: ogf

$$-\frac{4(2x^2 - 1)}{5x^3 + 4x^2 - 8x + 1}$$

Sequence: A301438
Score: 5.49651
Type of gen. func.: ogf

$$\{-a(n + 3) + 8 a(n + 2) - 4 a(n + 1) - 5 a(n), a(0) = 4, a(1) = 32, a(2) = 232\}$$

Sequence: A301438
Score: 5.49652
Type of gen. func.: ogf

$$-(627 f(x) + 404)(5 f(x) x^3 + 4 f(x) x^2 - 8 f(x) x + 8 x^2 + f(x) - 4)$$

Sequence: A301438

Score: 6.87064
Type of gen. func.: lgdogf

$$-\frac{-10 x^4 - x^2 + 12 x - 8}{-10 x^5 - 8 x^4 + 21 x^3 + 2 x^2 - 8 x + 1}$$

Sequence: A301451
Score: 10.9349
Type of gen. func.: lgdogf

$$-\frac{-2 x^3 - 14 x^2 - 13 x - 7}{-2 x^4 - 6 x^3 + x^2 + 6 x + 1}$$

Sequence: A301451
Score: 14.6993
Type of gen. func.: ogf

$$\frac{2 x^2 + 6 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A301451
Score: 7.66377
Type of gen. func.: ogf

$$-(9 f(x) - 785) (f(x) x^3 - f(x) x^2 - f(x) x - 2 x^2 + f(x) - 6 x - 1)$$

Sequence: A301451
Score: 7.93504
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 7, a(2) = 10}

Sequence: A301454
Score: 11.4228
Type of gen. func.: ogf

$$\frac{4 x^{9} - 2 x^{7} - 2 x^{6} - 2 x^{5} - 2 x^{4} - 2 x^{3} - x^{2} - 1}{x - 1}$$

Sequence: A301459
Score: 4.09486
Type of gen. func.: ogf

$$\frac{32 x^{2} (960 x^{6} - 1920 x^{5} + 1456 x^{4} - 516 x^{3} + 92 x^{2} - 14 x + 3)}{(2 x - 1)^{4}}$$

Sequence: A301476
Score: 11.5471
Type of gen. func.: lgdogf

$$- \frac{-64 x^{2} + 32 x - 6}{-32 x^{3} + 24 x^{2} - 8 x + 1}$$

Sequence: A301476
Score: 3.84903
Type of gen. func.: ogf

$$\{(n + 4) a(n + 4) + (-30 - 8 n) a(n + 3) + (80 + 24 n) a(n + 2)$$

$$+ (-96 - 32 n) a(n + 1), a(0) = 1, a(1) = 6, a(2) = 26, a(3) = 100\}$$

Sequence: A301476
Score: 7.47811
Type of gen. func.: ogf

$$-128 f(x)^{2} x^{4} + 128 f(x)^{2} x^{3} - 56 f(x)^{2} x^{2} + 12 f(x)^{2} x - f(x)^{2} + 1$$

Sequence: A301483
Score: 6.32292
Type of gen. func.: ogf

$$^{4} \qquad ^{3} \qquad\qquad ^{2}$$

$$-(338 f(x) - 85) (f(x) x + 2 f(x) x - 4 f(x) x + x + f(x) + x - 1)$$

Sequence: A301504
Score: 15.2052
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^4 + x^3 - x + 1}{x^8 - 1}$$

Sequence: A301504
Score: 8.96481
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^4 + x^3 - x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A301505
Score: 12.5494
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^6 - x^5 + x^3 + x^2}{x^8 - 1}$$

Sequence: A301505
Score: 8.10331
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^2 (x^4 - x^3 + x + 1)}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A301507
Score: 15.0439
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^5 - x^4 + x^3 - 1}{-x^8 + 1}$$

Sequence: A301507
Score: 9.11623
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^5 + x^4 - x^3 + 1}{(x - 1)\,(x + 1)\,(x^2 + 1)\,(x^4 + 1)}$$

Sequence: A301508
Score: 14.3474
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^6 - x^3 + x^2 + x}{x^8 - 1}$$

Sequence: A301508
Score: 8.69418
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x\,(x^5 - x^2 + x + 1)}{(x - 1)\,(x + 1)\,(x^2 + 1)\,(x^4 + 1)}$$

Sequence: A301562
Score: 13.3622
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^6 - x^5 + x^3 - 1}{-x^{10} + 1}$$

Sequence: A301562

Score: 5.8952
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^6+x^5-x^3+1}{(x-1)(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)}$$

Sequence: A301563
Score: 14.5259
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^7-x^2+x-1}{-x^{10}+1}$$

Sequence: A301563
Score: 6.16949
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^7+x^2-x+1}{(x-1)(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)}$$

Sequence: A301564
Score: 13.6064
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^8+x^7-x^6-x}{-x^{10}+1}$$

Sequence: A301564
Score: 5.83605
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x(x^7-x^6+x^5+1)}{(x-1)(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)}$$

Sequence: A301565
Score: 12.3905
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^8 - x^5 + x^3 + x^2}{x^{10} - 1}$$

Sequence: A301565
Score: 5.81789
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^2 (x^6 - x^3 + x + 1)}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A301567
Score: 13.9511
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^5 - x^4 + x - 1}{-x^{10} + 1}$$

Sequence: A301567
Score: 5.92473
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^5 + x^4 - x + 1}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A301568
Score: 12.7040
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^6 + x^4 - x^3 + x}{}$$

$$x^{10} - 1$$

Sequence: A301568
Score: 5.44897
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x\,(x^5 + x^3 - x^2 + 1)}{(x - 1)\,(x + 1)\,(x^4 + x^3 + x^2 + x + 1)\,(x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A301569
Score: 11.8404
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^7 + x^5 - x^4 - x^2}{-x^{10} + 1}$$

Sequence: A301569
Score: 5.40595
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^2\,(x^5 - x^3 + x^2 + 1)}{(x - 1)\,(x + 1)\,(x^4 + x^3 + x^2 + x + 1)\,(x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A301570
Score: 11.7455
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^8 + x^7 - x^4 - x^3}{-x^{10} + 1}$$

Sequence: A301570
Score: 5.51448
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^3 (x^5 - x^4 + x + 1)}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A301571
Score: 10.9697
Type of gen. func.: ogf

$$-\frac{x (3 x - 2) (3 x - 5)}{(3 x - 1) (x - 1)^2}$$

Sequence: A301571
Score: 5.48487
Type of gen. func.: ogf

$$\{-a(n + 4) + 5 a(n + 3) - 7 a(n + 2) + 3 a(n + 1), a(0) = 0, a(1) = 10,$$
$$a(2) = 29, a(3) = 84\}$$

Sequence: A301571
Score: 6.02436
Type of gen. func.: ogf

$$(1300 f(x) - 759)$$
$$(3 f(x) x^3 - 7 f(x) x^2 + 9 x^3 + 5 f(x) x - 21 x^2 - f(x) + 10 x)$$

Sequence: A301571
Score: 8.16636
Type of gen. func.: lgdogf

$$-\frac{27 x^3 - 99 x^2 + 93 x - 29}{27 x^4 - 99 x^3 + 123 x^2 - 61 x + 10}$$

Sequence: A301588
Score: 14.5563
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^4 - x^3 + x + 1}{x^6 - 1}$$

Sequence: A301588
Score: 7.93834
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x^4 - x^3 + x + 1}{(x - 1)(x + 1)(x^2 + x + 1)(x^2 - x + 1)}$$

Sequence: A301589
Score: 14.2399
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2x + 1}{(x - 1)(x^2 + x + 1)}$$

Sequence: A301589
Score: 19.6832
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-2x - 1}{-x^3 + 1}$$

Sequence: A301601
Score: 10.2041
Type of gen. func.: ogf

$$-\frac{x^8 - x^7 + 10x^3 - 10x^2 + 17x - 18}{(x - 1)^2}$$

Sequence: A301610
Score: 3.59970

Type of gen. func.: ogf

$$-\frac{x^9 - 6x^8 + 2x^7 + 7x^6 + 3x^5 - 12x^4 - 8x^3 + 6x^2 + 7x + 1}{(x^4 - x^2 + 1)(x^6 - 5x^5 - 2x^4 - x^3 + 11x^2 + 4x - 1)}$$

Sequence: A301617
Score: 9.75590
Type of gen. func.: ogf

$$\frac{17x^4 + 36x^3 + 18x^2 + 18x + 1}{(x^2 + 1)(x + 1)(x - 1)^2}$$

Sequence: A301621
Score: 9.90079
Type of gen. func.: ogf

$$\frac{7x^4 + 36x^3 + 18x^2 + 18x + 11}{(x^2 + 1)(x + 1)(x - 1)^2}$$

Sequence: A301622
Score: 9.78005
Type of gen. func.: ogf

$$\frac{23x^4 + 18x^3 + 18x^2 + 18x + 13}{(x^2 + 1)(x + 1)(x - 1)^2}$$

Sequence: A301623
Score: 9.78005
Type of gen. func.: ogf

$$\frac{13x^4 + 18x^3 + 18x^2 + 18x + 23}{(x^2 + 1)(x + 1)(x - 1)^2}$$

Sequence: A301628

Score: 9.75590

Type of gen. func.: ogf

$$\frac{11 x^4 + 18 x^3 + 18 x^2 + 36 x + 7}{(x^2 + 1) (x + 1) (x - 1)^2}$$

Sequence: A301647

Score: 10.9558

Type of gen. func.: lgdogf

$$- \frac{-3 x^3 - 7 x^2 - 25 x - 13}{-x^4 - x^3 - 3 x^2 + x + 4}$$

Sequence: A301647

Score: 11.0910

Type of gen. func.: ogf

$$\frac{2 x (x^2 + x + 4)}{(x + 1) (x - 1)^4}$$

Sequence: A301653

Score: 13.9402

Type of gen. func.: ogf

$$\frac{x (2 x + 1)}{(x - 1) (x + 1) (x^2 + x - 1)}$$

Sequence: A301653

Score: 6.81287

Type of gen. func.: ogf

$$-(460 f(x) + 281) (f(x) x^4 + f(x) x^3 - 2 f(x) x^2 - f(x) x - 2 x^2 + f(x) - x)$$

Sequence: A301653
Score: 9.43866
Type of gen. func.: lgdogf

$$- \frac{6 x^{4} + 8 x^{3} - x^{2} - 4 x - 3}{2 x^{5} + 3 x^{4} - 3 x^{3} - 4 x^{2} + x + 1}$$

Sequence: A301654
Score: 10.5849
Type of gen. func.: ogf

$$\frac{x^{2} (x^{2} - x - 1)}{(x^{2} + x + 1) (x - 1)^{3}}$$

Sequence: A301654
Score: 4.26405
Type of gen. func.: ogf

$$\{(n^{2} + 9 n + 16) a(n + 1) + (2 n + 8) a(n + 2) + (2 n + 8) a(n + 3)$$

$$+ (-n^{2} - 7 n - 8) a(n + 4), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 3\}$$

Sequence: A301654
Score: 9.37202
Type of gen. func.: lgdogf

$$- \frac{-3 x^{4} + 2 x^{3} + 5 x^{2} + 2 x + 3}{-x^{5} + x^{4} + x^{3} + x^{2} - x - 1}$$

Sequence: A301657
Score: 11.7931
Type of gen. func.: ogf

$$- \frac{3 x^{3} + 2 x^{2} + 2 x - 3}{{}^{3} \quad {}^{2}}$$

$$(x + x + x - 1) (x - 1)$$

Sequence: A301657
Score: 6.72315
Type of gen. func.: ogf

$$-(10 f(x) - 21) (f(x) x^4 + 3 x^3 - 2 f(x) x + 2 x^2 + f(x) + 2 x - 3)$$

Sequence: A301658
Score: 7.82586
Type of gen. func.: ogf

$$- \frac{5 x^4 - 6 x^3 - 8 x^2 - 4 x + 5}{(x - 1) (x^4 - x^3 - 2 x^2 - x + 1)}$$

Sequence: A301659
Score: 3.65086
Type of gen. func.: ogf

$$- (16 x^{10} + 2 x^9 - x^8 - 20 x^7 - 40 x^6 - 6 x^5 - 12 x^4 + 20 x^3 + 4 x^2 + 15 x - 8) \Big/ ((x - 1) (x^3 + x - 1) (2 x^7 + x^6 - 2 x^5 - 2 x^4 - 3 x^3 - 2 x^2 - x + 1))$$

Sequence: A301670
Score: 5.64919
Type of gen. func.: ogf

$$- \frac{2 x^9 - x^8 - 5 x^7 - 16 x^6 - 21 x^5 - 22 x^4 - 19 x^3 - 12 x^2 - 5 x - 1}{(x^2 + 1) (x^2 + x + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A301671
Score: 6.57633
Type of gen. func.: ogf

$$2 x^9 - x^8 - 5 x^7 - 16 x^6 - 21 x^5 - 22 x^4 - 19 x^3 - 12 x^2 - 5 x - 1$$

$$(x^2 + 1)\,(x^2 + x + 1)\,(x + 1)^2\,(x - 1)^3$$

Sequence: A301672
Score: 7.04942
Type of gen. func.: ogf

$$\frac{(x^3 + 2 x^2 + x + 1)\,(x^3 + x^2 + 2 x + 1)}{(x^2 + 1)\,(x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A301673
Score: 8.31248
Type of gen. func.: ogf

$$- \frac{(x^3 + 2 x^2 + x + 1)\,(x^3 + x^2 + 2 x + 1)}{(x^2 + 1)\,(x^2 + x + 1)\,(x - 1)^3}$$

Sequence: A301674
Score: 6.42500
Type of gen. func.: ogf

$$- \frac{2 x^8 - x^7 - 5 x^6 - 18 x^5 - 20 x^4 - 20 x^3 - 12 x^2 - 5 x - 1}{(x + 1)\,(x - 1)^2\,(x^2 + x + 1)^2}$$

Sequence: A301675
Score: 7.84293
Type of gen. func.: ogf

$$\frac{2 x^8 - x^7 - 5 x^6 - 18 x^5 - 20 x^4 - 20 x^3 - 12 x^2 - 5 x - 1}{(x + 1)\,(x^2 + x + 1)^2\,(x - 1)^3}$$

Sequence: A301676
Score: 7.74603
Type of gen. func.: ogf

$$-\frac{(x^2+1)\,(x^4-x^3-2x^2-2x-1)\,(x+1)^2}{(x-1)^2\,(x^2+x+1)^2}$$

Sequence: A301677
Score: 8.21346
Type of gen. func.: ogf

$$\frac{(x^2+1)\,(x^4-x^3-2x^2-2x-1)\,(x+1)^2}{(x^2+x+1)^2\,(x-1)^3}$$

Sequence: A301678
Score: 10.3035
Type of gen. func.: ogf

$$-(x+1)\,(2x^{11}-2x^{10}-x^9-3x^8-3x^7-7x^6-4x^5-6x^4-5x^3-3x^2-3x-1)\Big/\left((x^2+1)\,(x^6+x^5+x^4+x^3+x^2+x+1)\,(x-1)^2\right)$$

Sequence: A301679
Score: 5.69323
Type of gen. func.: ogf

$$(x+1)\,(2x^{11}-2x^{10}-x^9-3x^8-3x^7-7x^6-4x^5-6x^4-5x^3-3x^2-3x-1)\Big/\left((x^2+1)\,(x^6+x^5+x^4+x^3+x^2+x+1)\,(x-1)^3\right)$$

Sequence: A301680
Score: 14.0652
Type of gen. func.: ogf

$$-\frac{(x+1)\,(x^7-x^6-x^5-x^4-2x^2-x-1)\,(x^3+x+1)}{(x^6+x^5+x^4+x^3+x^2+x+1)\,(x-1)^2}$$

Sequence: A301681
Score: 7.75310
Type of gen. func.: ogf

$$\frac{(x + 1) (x^7 - x^6 - x^5 - x^4 - 2 x^2 - x - 1) (x^3 + x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A301682
Score: 12.2429
Type of gen. func.: lgdogf

$$- \frac{6 x^7 + 12 x^6 + 54 x^5 + 54 x^4 + 54 x^3 + 54 x^2 + 12 x + 6}{x^9 + 6 x^8 + 6 x^7 + 15 x^6 - 15 x^3 - 6 x^2 - 6 x - 1}$$

Sequence: A301682
Score: 19.5887
Type of gen. func.: ogf

$$\frac{x^6 + 6 x^5 + 6 x^4 + 16 x^3 + 6 x^2 + 6 x + 1}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A301683
Score: 9.97145
Type of gen. func.: ogf

$$- \frac{x^6 + 6 x^5 + 6 x^4 + 16 x^3 + 6 x^2 + 6 x + 1}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A301684
Score: 18.9568
Type of gen. func.: ogf

$$- \frac{2 x^8 - 2 x^6 - 3 x^4 - 3 x^3 - 4 x^2 - 3 x - 1}{}$$

$$(x^2 + x + 1) (x - 1)^2$$

Sequence: A301684
Score: 9.58141
Type of gen. func.: lgdogf

$$- (8 x^{10} - 2 x^9 - 6 x^8 - 14 x^7 + 2 x^6 + 18 x^5 + 14 x^4 + 28 x^3 + 20 x^2 + 12 x + 4) / (-2 x^{11} + 2 x^9 + 2 x^8 + 3 x^7 + x^6 + 4 x^5 - 2 x^3 - 4 x^2 - 3 x - 1)$$

Sequence: A301685
Score: 10.0255
Type of gen. func.: ogf

$$\frac{2 x^8 - 2 x^6 - 3 x^4 - 3 x^3 - 4 x^2 - 3 x - 1}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A301686
Score: 9.16424
Type of gen. func.: ogf

$$\frac{x^6 + 5 x^5 + 7 x^4 + 12 x^3 + 7 x^2 + 5 x + 1}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A301687
Score: 10.3519
Type of gen. func.: ogf

$$- \frac{x^6 + 5 x^5 + 7 x^4 + 12 x^3 + 7 x^2 + 5 x + 1}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A301688
Score: 9.16424
Type of gen. func.: ogf

$$\frac{x^6 + 4 x^5 + 9 x^4 + 10 x^3 + 9 x^2 + 4 x + 1}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A301689
Score: 9.67127
Type of gen. func.: ogf

$$- \frac{x^6 + 4 x^5 + 9 x^4 + 10 x^3 + 9 x^2 + 4 x + 1}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A301690
Score: 13.6256
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^8 + 5 x^7 + 4 x^5 + 8 x^4 + 4 x^3 + 5 x + 1)}{(x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2}$$

Sequence: A301691
Score: 7.49238
Type of gen. func.: ogf

$$- \frac{(x^2 + x + 1) (x^8 + 5 x^7 + 4 x^5 + 8 x^4 + 4 x^3 + 5 x + 1)}{(x^4 + x^3 + x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A301692
Score: 11.8720
Type of gen. func.: ogf

$$- \frac{(x^5 - x^4 - x^3 - x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x + 1)^2}{(x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2}$$

Sequence: A301693
Score: 13.8454
Type of gen. func.: ogf

$$\frac{(x^5 - x^4 - x^3 - x - 1)\,(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\,(x + 1)^2}{(x^4 + x^3 + x^2 + x + 1)^2\,(x - 1)^3}$$

Sequence: A301694
Score: 10.7691
Type of gen. func.: ogf

$$\frac{x^4 + 5 x^3 + 4 x^2 + 5 x + 1}{(x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A301694
Score: 6.42808
Type of gen. func.: ogf

$$(23 f(x) + 27)\,(f(x)\,x^4 - f(x)\,x^3 - x^4 - 5 x^3 - f(x)\,x - 4 x^2 + f(x) - 5 x - 1)$$

Sequence: A301695
Score: 9.24830
Type of gen. func.: ogf

$$-\frac{x^4 + 5 x^3 + 4 x^2 + 5 x + 1}{(x^2 + x + 1)\,(x - 1)^3}$$

Sequence: A301696
Score: 11.2831
Type of gen. func.: lgdogf

$$-\frac{-x^3 - 7 x^2 - 4 x - 6}{-x^4 - x^3 + x + 1}$$

Sequence: A301696
Score: 32.3137
Type of gen. func.: ogf_with_Euler_transform]

$$x^{2} - 4 x + 6$$

Sequence: A301696
Score: 8.73529
Type of gen. func.: ogf

$$- \frac{(x + 1)^{4}}{(x^{2} + x + 1) (x - 1)^{3}}$$

Sequence: A301697
Score: 10.2382
Type of gen. func.: lgdogf

$$- \frac{5 x^{9} + 5 x^{8} + 13 x^{7} + 9 x^{6} + 16 x^{5} + 16 x^{4} + 9 x^{3} + 13 x^{2} + 5 x + 5}{x^{11} + 2 x^{10} + 4 x^{8} - 2 x^{7} + 5 x^{6} - 5 x^{5} + 2 x^{4} - 4 x^{3} - 2 x - 1}$$

Sequence: A301697
Score: 15.2260
Type of gen. func.: ogf

$$\frac{x^{6} + 3 x^{5} + 2 x^{4} + 4 x^{3} + 2 x^{2} + 3 x + 1}{(x^{2} + x + 1) (x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A301698
Score: 9.24120
Type of gen. func.: ogf

$$- \frac{x^{6} + 3 x^{5} + 2 x^{4} + 4 x^{3} + 2 x^{2} + 3 x + 1}{(x^{2} + x + 1) (x^{2} - x + 1) (x - 1)^{3}}$$

Sequence: A301699
Score: 5.31269
Type of gen. func.: ogf

$$(41 f(x) - 7)(4 f(x) x^4 + 6 f(x) x^3 - 4 f(x) x^2 + 2 x^3 - 3 f(x) x + x^2 + f(x) - x)$$

Sequence: A301699
Score: 9.75207
Type of gen. func.: ogf

$$- \frac{x (2 x - 1) (x + 1)}{(2 x^2 - 1) (2 x^2 + 3 x - 1)}$$

Sequence: A301708
Score: 5.64097
Type of gen. func.: ogf

$$(29 f(x) + 60) (f(x) x^4 - 2 f(x) x^3 - x^4 + 2 f(x) x^2 - 4 x^3 - 2 f(x) x - x^2 + f(x) - 4 x - 1)$$

Sequence: A301708
Score: 9.75555
Type of gen. func.: ogf

$$\frac{x^4 + 4 x^3 + x^2 + 4 x + 1}{(x^2 + 1) (x - 1)^2}$$

Sequence: A301709
Score: 11.0805
Type of gen. func.: ogf

$$- \frac{x^4 + 4 x^3 + x^2 + 4 x + 1}{(x^2 + 1) (x - 1)^3}$$

Sequence: A301710
Score: 5.64097
Type of gen. func.: ogf

$$(14 + 29 f(x)) (f(x) x^4 - 2 f(x) x^3 - x^4 + 2 f(x) x^2 - 3 x^3 - 2 f(x) x - 3 x^2 + f(x) - 3 x - 1)$$

Sequence: A301710
Score: 9.75555
Type of gen. func.: ogf

$$\frac{x^4 + 3 x^3 + 3 x^2 + 3 x + 1}{(x^2 + 1) (x - 1)^2}$$

Sequence: A301711
Score: 10.2886
Type of gen. func.: ogf

$$- \frac{x^4 + 3 x^3 + 3 x^2 + 3 x + 1}{(x^2 + 1) (x - 1)^3}$$

Sequence: A301712
Score: 11.7976
Type of gen. func.: ogf

$$\frac{(x^8 + 3 x^7 + x^6 + 2 x^5 + 4 x^4 + 2 x^3 + x^2 + 3 x + 1) (x^2 + x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A301713
Score: 5.16053
Type of gen. func.: ogf

$$- \frac{(x^8 + 3 x^7 + x^6 + 2 x^5 + 4 x^4 + 2 x^3 + x^2 + 3 x + 1) (x^2 + x + 1)}{}$$

$$(x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x - 1)^3$$

Sequence: A301714
Score: 11.7503
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 7 x^8 + 4 x^7 + 6 x^6 + 10 x^5 + 6 x^4 + 4 x^3 + 7 x^2 + 4 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A301715
Score: 5.96181
Type of gen. func.: ogf

$$- \frac{x^{10} + 4 x^9 + 7 x^8 + 4 x^7 + 6 x^6 + 10 x^5 + 6 x^4 + 4 x^3 + 7 x^2 + 4 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x - 1)^3}$$

Sequence: A301716
Score: 7.06142
Type of gen. func.: ogf

$$\frac{x^8 + 6 x^7 + 12 x^6 + 17 x^5 + 12 x^4 + 17 x^3 + 12 x^2 + 6 x + 1}{(x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A301717
Score: 7.05815
Type of gen. func.: ogf

$$- \frac{x^8 + 6 x^7 + 12 x^6 + 17 x^5 + 12 x^4 + 17 x^3 + 12 x^2 + 6 x + 1}{(x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A301718
Score: 8.95965
Type of gen. func.: ogf

$$\frac{(x^4 + 2 x^3 + x^2 + 2 x + 1) (x + 1)^2}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A301719
Score: 9.45404
Type of gen. func.: ogf

$$- \frac{(x^4 + 2 x^3 + x^2 + 2 x + 1) (x + 1)^2}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A301720
Score: 11.0763
Type of gen. func.: lgdogf

$$- \frac{-6 x^7 - 18 x^6 - 54 x^5 - 66 x^4 - 66 x^3 - 54 x^2 - 18 x - 6}{-x^9 - 6 x^8 - 9 x^7 - 15 x^6 - 3 x^5 + 3 x^4 + 15 x^3 + 9 x^2 + 6 x + 1}$$

Sequence: A301720
Score: 19.6912
Type of gen. func.: ogf

$$\frac{x^6 + 6 x^5 + 9 x^4 + 16 x^3 + 9 x^2 + 6 x + 1}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A301721
Score: 9.81891
Type of gen. func.: ogf

$$- \frac{x^6 + 6 x^5 + 9 x^4 + 16 x^3 + 9 x^2 + 6 x + 1}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A301722
Score: 12.1186
Type of gen. func.: lgdogf

$$-\frac{2x^7 - 3x^6 + 2x^5 - x^4 + 18x^3 + 15x^2 + 10x + 5}{-x^8 + x^7 + 2x^6 + 3x^5 + 2x^4 - x^3 - 2x^2 - 3x - 1}$$

Sequence: A301722
Score: 20.9581
Type of gen. func.: ogf

$$-\frac{(x^2 + 1)(x^2 - 2x - 1)(x + 1)^2}{(x^2 + x + 1)(x - 1)^2}$$

Sequence: A301723
Score: 8.51576
Type of gen. func.: ogf

$$\frac{(x^2 + 1)(x^2 - 2x - 1)(x + 1)^2}{(x^2 + x + 1)(x - 1)^3}$$

Sequence: A301724
Score: 10.6673
Type of gen. func.: ogf

$$\frac{x^{10} + 4x^9 + 6x^7 + x^6 + 3x^5 + x^4 + 6x^3 + 4x + 1}{(x^4 + x^3 + x^2 + x + 1)(x^4 - x^3 + x^2 - x + 1)(x - 1)^2}$$

Sequence: A301725
Score: 4.88689
Type of gen. func.: ogf

$$-\frac{x^{10} + 4x^9 + 6x^7 + x^6 + 3x^5 + x^4 + 6x^3 + 4x + 1}{(x^4 + x^3 + x^2 + x + 1)(x^4 - x^3 + x^2 - x + 1)(x - 1)^3}$$

Sequence: A301726
Score: 9.73464
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^8 + 2 x^7 + 3 x^4 + 2 x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A301727
Score: 5.62542
Type of gen. func.: ogf

$$- \frac{(x^2 + x + 1) (x^8 + 2 x^7 + 3 x^4 + 2 x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^3}$$

Sequence: A301728
Score: 9.15888
Type of gen. func.: ogf

$$\frac{(2 x^2 + x + 1) (x^4 + x^2 + x + 1)}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A301729
Score: 6.60807
Type of gen. func.: ogf

$$-f(x) x^4 + 2 f(x) x^3 + x^4 - 2 f(x) x^2 - x^3 + 2 f(x) x + 3 x^2 - f(x) - x + 1$$

Sequence: A301729
Score: 9.56226
Type of gen. func.: ogf

$$\frac{x^4 - x^3 + 3 x^2 - x + 1}{(x^2 + 1) (x - 1)^2}$$

Sequence: A301730
Score: 7.53368
Type of gen. func.: ogf

$$\frac{(x + 1) (x^7 - 2 x^6 + 3 x^5 + 2 x^4 + 2 x^3 + x^2 + 4 x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A301739
Score: 7.72374
Type of gen. func.: ogf

$$\frac{x^4 + x^3 + 2 x^2 + 2 x + 2}{(x^2 + x + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A301740
Score: 7.06183
Type of gen. func.: ogf

$$- \frac{x^6 + 2 x^5 + 5 x^4 + 5 x^3 + 6 x^2 + 3 x + 3}{(x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^5}$$

Sequence: A301755
Score: 7.03948
Type of gen. func.: ogf

$$(10 f(x) + 19) (-5 x^2 + f(x) - 7 x - 3)$$

Sequence: A301772
Score: 9.45773
Type of gen. func.: ogf

```
                 3    2
         2 x (2 x  - x  + 1)
 ---------------------------------------
   3    2               3    2
```

$$(x - x - 2 x - 1) (x - x + 2 x - 1)$$

Sequence: A301773
Score: 12.0350
Type of gen. func.: ogf

$$-\frac{4 x (x - 1) (x + 1)}{(x^2 + x + 1) (x^2 - 3 x + 1)}$$

Sequence: A301773
Score: 6.15965
Type of gen. func.: ogf

$$(17 f(x) - 30) (f(x) x^4 - 2 f(x) x^3 - f(x) x^2 + 4 x^3 - 2 f(x) x + f(x) - 4 x)$$

Sequence: A301773
Score: 7.82276
Type of gen. func.: lgdogf

$$-\frac{2 x^5 - 2 x^4 - 4 x^3 + 8 x^2 + 2}{x^6 - 2 x^5 - 2 x^4 + 2 x^2 + 2 x - 1}$$

Sequence: A301774
Score: 10.2331
Type of gen. func.: ogf

$$-\frac{2 (x + 1) (x^2 - 3 x - 1)}{(x^2 + x + 1) (x^2 - 3 x + 1)}$$

Sequence: A301774
Score: 5.28824
Type of gen. func.: ogf

$$-(22170 f(x) + 35173)$$

$$(f(x) x^4 - 2 f(x) x^3 - f(x) x^2 + 2 x^3 - 2 f(x) x - 4 x^2 + f(x) - 8 x - 2)$$

Sequence: A301775
Score: 5.09467
Type of gen. func.: ogf

$$-(22170 f(x) + 79513) \left(f(x) x^4 - 2 f(x) x^3 + 2 x^4 - f(x) x^2 - 2 x^3 - 2 f(x) x - 6 x^2 + f(x) - 12 x \right)$$

Sequence: A301775
Score: 9.56806
Type of gen. func.: ogf

$$-\frac{2 x (x^3 - x^2 - 3 x - 6)}{(x^2 + x + 1) (x^2 - 3 x + 1)}$$

Sequence: A301779
Score: 14.1798
Type of gen. func.: ogf

$$-\frac{4 (x + 1)}{4 x^2 + 7 x - 1}$$

Sequence: A301779
Score: 6.93577
Type of gen. func.: ogf

$$-(241 f(x) + 60) (4 f(x) x^2 + 7 f(x) x - f(x) + 4 x + 4)$$

Sequence: A301779
Score: 7.68783
Type of gen. func.: ogf

$$\{a(n + 2) - 7 a(n + 1) - 4 a(n), a(0) = 4, a(1) = 32\}$$

Sequence: A301779
Score: 9.81677
Type of gen. func.: lgdogf

$$-\frac{-4x^{2}-8x-8}{-4x^{3}-11x^{2}-6x+1}$$

Sequence: A301780
Score: 3.17619
Type of gen. func.: ogf

$$-(123194 f(x) + 166559) (64 f(x) x^{4} + 16 f(x) x^{3} - 20 f(x) x^{2} + 64 x^{3} - 13 f(x) x + 16 x^{2} + f(x) - 24 x - 8)$$

Sequence: A301780
Score: 5.97427
Type of gen. func.: ogf

$$-\frac{8 (2 x + 1) (4 x^{2} - x - 1)}{64 x^{4} + 16 x^{3} - 20 x^{2} - 13 x + 1}$$

Sequence: A301785
Score: 5.03478
Type of gen. func.: ogf

$$\frac{(x - 1) (x^{8} + x^{7} - 7 x^{6} - 7 x^{5} + 9 x^{4} + 4 x^{3} - 8 x^{2} + 1)}{(x^{2} - 3 x + 1) (x^{2} + x - 1)^{3}}$$

Sequence: A301786
Score: 10.5981
Type of gen. func.: ogf

$$-\frac{3 x^{3} + 2 x^{2} - 4 x - 5}{{}^{4}\qquad{}^{2}}$$

$$x - 2 x - x + 1$$

Sequence: A301786
Score: 5.85016
Type of gen. func.: ogf

$$-(19 f(x) - 41) (f(x) x^4 - 2 f(x) x^2 + 3 x^3 - f(x) x + 2 x^2 + f(x) - 4 x - 5)$$

Sequence: A301787
Score: 11.8744
Type of gen. func.: ogf

$$-\frac{5 x^3 + 3 x^2 + 2 x - 8}{(x^3 + x^2 + x - 1) (x - 1)}$$

Sequence: A301787
Score: 6.64531
Type of gen. func.: ogf

$$-(142 f(x) - 547) (f(x) x^4 + 5 x^3 - 2 f(x) x + 3 x^2 + f(x) + 2 x - 8)$$

Sequence: A301788
Score: 6.96449
Type of gen. func.: ogf

$$-\frac{8 x^5 + 13 x^4 + 16 x^3 + 10 x^2 - 9 x - 13}{x^6 + x^5 + x^4 - 2 x^2 - x + 1}$$

Sequence: A301789
Score: 7.79400
Type of gen. func.: ogf

$$-\frac{13 x^5 + 8 x^4 + 18 x^3 + 11 x^2 + 7 x - 21}{(x^3 + x^2 - 1) (x^3 - x^2 + 2 x - 1)}$$

Sequence: A301791
Score: 10.8328
Type of gen. func.: ogf

$$\frac{x^4 - x^3 - 4 x^2 + x + 2}{(x^2 + x - 1) (x - 1)}$$

Sequence: A301791
Score: 5.88551
Type of gen. func.: ogf

{a(n + 5) - 2 a(n + 4) + a(n + 2), a(0) = 2, a(1) = 5, a(2) = 6, a(3) = 9,

a(4) = 14}

Sequence: A301791
Score: 6.85743
Type of gen. func.: ogf

$$(7 f(x) + 8) (f(x) x^3 - x^4 + x^3 - 2 f(x) x + 4 x^2 + f(x) - x - 2)$$

Sequence: A301792
Score: 10.5970
Type of gen. func.: ogf

$$\frac{4 x^4 - 3 x^3 - 14 x^2 + 5 x + 4}{(x^2 + x - 1) (x - 1)}$$

Sequence: A301792
Score: 5.70607
Type of gen. func.: ogf

{-a(n + 5) + 2 a(n + 4) - a(n + 2), a(0) = 4, a(1) = 13, a(2) = 12, a(3) = 17,

a(4) = 25}

Sequence: A301792
Score: 6.34007
Type of gen. func.: ogf

$$-(80 f(x) + 599) (f(x) x^3 - 4 x^4 + 3 x^3 - 2 f(x) x + 14 x^2 + f(x) - 5 x - 4)$$

Sequence: A301793
Score: 10.1229
Type of gen. func.: ogf

$$\frac{15 x^4 - 8 x^3 - 44 x^2 + 18 x + 8}{(x^2 + x - 1) (x - 1)}$$

Sequence: A301793
Score: 5.60652
Type of gen. func.: ogf

{a(n + 5) - 2 a(n + 4) + a(n + 2), a(0) = 8, a(1) = 34, a(2) = 24, a(3) = 32,

a(4) = 45}

Sequence: A301793
Score: 5.87779
Type of gen. func.: ogf

$$(490063 f(x) + 12965504)$$

$$(f(x) x^3 - 15 x^4 + 8 x^3 - 2 f(x) x + 44 x^2 + f(x) - 18 x - 8)$$

Sequence: A301794
Score: 10.1446
Type of gen. func.: ogf

$$\frac{49 x^4 - 19 x^3 - 130 x^2 + 57 x + 16}{(x^2 + x - 1) (x - 1)}$$

Sequence: A301794

Score: 5.55361
Type of gen. func.: ogf

$-(131975141 f(x) + 11336857034)$

$(f(x) x^3 - 49 x^4 + 19 x^3 - 2 f(x) x + 130 x^2 + f(x) - 57 x - 16)$

Sequence: A301794
Score: 5.80798
Type of gen. func.: ogf

$\{-a(n + 5) + 2 a(n + 4) - a(n + 2), a(0) = 16, a(1) = 89, a(2) = 48, a(3) = 61,$

$a(4) = 82\}$

Sequence: A301795
Score: 8.83665
Type of gen. func.: ogf

$$\frac{x^5 + 151 x^4 - 44 x^3 - 370 x^2 + 169 x + 32}{(x^2 + x - 1) (x - 1)}$$

Sequence: A301796
Score: 7.81135
Type of gen. func.: ogf

$$\frac{x^6 + 6 x^5 + 443 x^4 - 99 x^3 - 1028 x^2 + 482 x + 64}{(x^2 + x - 1) (x - 1)}$$

Sequence: A301803
Score: 8.67989
Type of gen. func.: ogf

$$-\frac{5 x^6 + 7 x^5 - 43 x^4 + 12 x^3 + 10 x^2 - 49 x + 9}{(10 x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A301809
Score: 9.07016
Type of gen. func.: ogf

$$\frac{(x-1)(x^4-x^3-4x^2+1)}{(x+1)(x^2-3x+1)(x^2+x-1)}$$

Sequence: A301819
Score: 7.11207
Type of gen. func.: ogf

$$-\frac{2x^4-4x^3+3x^2-4x+2}{(x^2-3x+1)(x-1)^3}$$

Sequence: A301820
Score: 5.63838
Type of gen. func.: ogf

$$\frac{2x^6-9x^5+20x^4-19x^3+4x^2+6x-3}{(4x-1)(x-1)^4}$$

Sequence: A301836
Score: 10.6264
Type of gen. func.: ogf

$$-\frac{4x^2+3x-4}{8x^2-7x+1}$$

Sequence: A301836
Score: 5.36378
Type of gen. func.: ogf

$\{a(n+3)-7a(n+2)+8a(n+1), a(0)=4, a(1)=25, a(2)=139\}$

Sequence: A301836
Score: 5.57621
Type of gen. func.: ogf

$$-(103 f(x) + 213) (8 f(x) x^2 - 7 f(x) x + 4 x^2 + f(x) + 3 x - 4)$$

Sequence: A301836
Score: 7.22047
Type of gen. func.: lgdogf

$$-\frac{52 x^2 - 72 x + 25}{32 x^4 - 4 x^3 - 49 x^2 + 31 x - 4}$$

Sequence: A301837
Score: 5.49098
Type of gen. func.: ogf

$$-\frac{40 x^5 - 110 x^4 + 84 x^3 - 7 x^2 - 23 x + 8}{16 x^5 - 57 x^4 + 72 x^3 - 46 x^2 + 13 x - 1}$$

Sequence: A301842
Score: 7.72532
Type of gen. func.: ogf

$$\frac{x^5 - x^4 - 2 x^3 - x^2 + 2 x + 2}{2 x^4 - x^2 - 3 x + 1}$$

Sequence: A301877
Score: 6.98463
Type of gen. func.: ogf

$$\frac{(x - 1) (x^8 + 2 x^7 + x^6 - 3 x^5 - 5 x^4 - 5 x^3 + x + 1)}{(x^3 - x^2 - 1) (x^3 + x - 1) (x^3 + 2 x^2 + x - 1)}$$

Sequence: A301879
Score: 11.3232
Type of gen. func.: ogf

$$-\frac{x^2 + 7 x + 3}{2 x^3 + 6 x^2 + x - 1}$$

Sequence: A301879
Score: 5.61558
Type of gen. func.: ogf

$$-(22810 f(x) - 12077) (2 f(x) x^3 + 6 f(x) x^2 + f(x) x + x^2 - f(x) + 7 x + 3)$$

Sequence: A301879
Score: 6.05892
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - 6 a(n + 1) - 2 a(n), a(0) = 3, a(1) = 10, a(2) = 29}

Sequence: A301879
Score: 6.70599
Type of gen. func.: lgdogf

$$-\frac{-2 x^4 - 28 x^3 - 59 x^2 - 38 x - 10}{-2 x^5 - 20 x^4 - 49 x^3 - 24 x^2 + 4 x + 3}$$

Sequence: A301880
Score: 4.86338
Type of gen. func.: ogf

$$-\frac{2 x^7 + x^6 - 26 x^5 + 61 x^3 + 20 x^2 - 13 x - 5}{x^8 - 12 x^6 - x^5 + 38 x^4 + 2 x^3 - 12 x^2 - x + 1}$$

Sequence: A301881
Score: 4.08977

Type of gen. func.: ogf

$$-\frac{256 x^8 - 128 x^7 + 260 x^6 - 96 x^5 - 319 x^4 + 83 x^3 + 92 x^2 - 11 x - 8}{(2 x + 1) (2 x - 1) (4 x - 1) (2 x^2 - 1) (4 x^2 - x - 1)}$$

Sequence: A301885
Score: 7.03798
Type of gen. func.: ogf

$$-\frac{2 x^6 - x^5 - 4 x^4 - 4 x^3 + x + 2}{(x - 1) (x^2 + 1) (x^4 - x^3 - 2 x^2 - x + 1)}$$

Sequence: A301897
Score: 8.04062
Type of gen. func.: ogf

$$-f(x)^3 x^3 - 4 f(x)^2 x^2 + 3 f(x)^2 x - f(x)^2 - 5 f(x) x + 3 f(x) - 2$$

Sequence: A301898
Score: 4.85965
Type of gen. func.: egf]

$$\{(16 n^3 + 192 n^2 + 764 n + 1008) a(n + 1) + (-2 - n) a(n + 3), a(0) = 12,$$
$$a(1) = 120, a(2) = 5040\}$$

Sequence: A301902
Score: 10.9252
Type of gen. func.: ogf

$$-\frac{4 x^2 + x - 1}{4 x^3 - x^2 - 3 x + 1}$$

Sequence: A301902
Score: 5.69608

Type of gen. func.: ogf

$$-(31 f(x) - 36) (4 f(x) x^3 - f(x) x^2 - 3 f(x) x + 4 x^2 + f(x) + x - 1)$$

Sequence: A301902
Score: 5.95036
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - a(n + 1) + 4 a(n), a(0) = 1, a(1) = 2, a(2) = 3\}$$

Sequence: A301902
Score: 7.32352
Type of gen. func.: lgdogf

$$-\frac{16 x^4 + 8 x^3 - x^2 - 6 x + 2}{16 x^5 - 17 x^3 + 2 x^2 + 4 x - 1}$$

Sequence: A301903
Score: 6.36252
Type of gen. func.: ogf

$$-\frac{12 x^5 + 34 x^4 + 5 x^3 - 15 x^2 - x + 1}{(x - 1) (4 x - 1) (2 x + 1) (2 x - 1) (x + 1)}$$

Sequence: A301946
Score: 10.9408
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{2 x^3 - x^2 - 4 x + 1}$$

Sequence: A301946
Score: 10.9408
Type of gen. func.: ogf

2

$$-\frac{x - x - 1}{2x^3 - x^2 - 4x + 1}$$

Sequence: A301946
Score: 5.65586
Type of gen. func.: ogf

$$-(229 f(x) + 71) (2 f(x) x^3 - f(x) x^2 - 4 f(x) x + x^2 + f(x) - x - 1)$$

Sequence: A301946
Score: 5.90611
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) + a(n + 1) - 2 a(n), a(0) = 1, a(1) = 5, a(2) = 20\}$$

Sequence: A301946
Score: 7.25424
Type of gen. func.: lgdogf

$$-\frac{-2x^4 + 4x^3 + x^2 - 5}{-2x^5 + 3x^4 + 5x^3 - 6x^2 - 3x + 1}$$

Sequence: A301947
Score: 5.66465
Type of gen. func.: ogf

$$\frac{2x^5 + 3x^4 - 4x^3 - 5x^2 - 2x + 2}{x^6 - 4x^5 - 4x^4 + 14x^3 + 8x^2 - 9x + 1}$$

Sequence: A301947
Score: 5.87842
Type of gen. func.: ogf

$$\frac{2x^5 + 3x^4 - 4x^3 - 5x^2 - 2x + 2}{{}^{6}\quad{}^{5}\quad{}^{4}\quad{}^{3}\quad{}^{2}}$$

$$x - 4 x - 4 x + 14 x + 8 x - 9 x + 1$$

Sequence: A301959
Score: 11.4169
Type of gen. func.: ogf

$$-\frac{x^2 + 3 x + 3}{2 x^3 + 3 x^2 + x - 1}$$

Sequence: A301959
Score: 11.4169
Type of gen. func.: ogf

$$-\frac{x^2 + 3 x + 3}{2 x^3 + 3 x^2 + x - 1}$$

Sequence: A301959
Score: 5.9524
Type of gen. func.: ogf

$$-(21 f(x) - 31) (2 f(x) x^3 + 3 f(x) x^2 + f(x) x + x^2 - f(x) + 3 x + 3)$$

Sequence: A301959
Score: 6.16310
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 3 a(n + 1) - 2 a(n), a(0) = 3, a(1) = 6, a(2) = 16\}$$

Sequence: A301959
Score: 7.17969
Type of gen. func.: lgdogf

$$-\frac{-2 x^4 - 12 x^3 - 26 x^2 - 20 x - 6}{-2 x^5 - 9 x^4 - 16 x^3 - 11 x^2 + 3}$$

Sequence: A301960
Score: 5.04214
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) - 2 a(n + 2) + a(n + 1), a(0) = 5, a(1) = 9, a(2) = 25, a(3) = 64\}$$

Sequence: A301960
Score: 5.40517
Type of gen. func.: ogf

$$(-3830 + 7479 f(x)) (f(x) x^3 - 2 f(x) x^2 - x^3 - 2 f(x) x + 3 x^2 + f(x) + x - 5)$$

Sequence: A301960
Score: 9.79198
Type of gen. func.: ogf

$$\frac{x^3 - 3 x^2 - x + 5}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A301960
Score: 9.79199
Type of gen. func.: ogf

$$\frac{x^3 - 3 x^2 - x + 5}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A301961
Score: 4.97161
Type of gen. func.: ogf

$$- \frac{4 x^7 - 8 x^6 + 12 x^5 - 4 x^4 - 5 x^3 - 11 x^2 - 2 x + 8}{(x - 1) (x^2 + x + 1) (2 x^3 - 3 x^2 - 2 x + 1)}$$

Sequence: A301961
Score: 5.28480
Type of gen. func.: ogf

$$-\frac{4x^7-8x^6+12x^5-4x^4-5x^3-11x^2-2x+8}{(x-1)(x^2+x+1)(2x^3-3x^2-2x+1)}$$

Sequence: A301965
Score: 7.81135
Type of gen. func.: ogf

$$\frac{5x^5-5x^4-7x^3-10x^2+5x+4}{(x-1)(x^3+x^2+x-1)}$$

Sequence: A301965
Score: 9.41368
Type of gen. func.: ogf

$$\frac{5x^5-5x^4-7x^3-10x^2+5x+4}{(x-1)(x^3+x^2+x-1)}$$

Sequence: A301966
Score: 4.51263
Type of gen. func.: ogf

$$\frac{10x^8-31x^7+3x^6+9x^5+43x^4+24x^3+28x^2-18x-8}{(x-1)(x^2+1)(x^4-x^3-2x^2-x+1)}$$

Sequence: A301966
Score: 5.06380
Type of gen. func.: ogf

```
   8       7      6      5       4       3       2
10 x  - 31 x  + 3 x  + 9 x  + 43 x  + 24 x  + 28 x  - 18 x - 8
---------------------------------------------------------------
                   2        4    3      2
```

$$(x - 1) (x + 1) (x - x - 2 x - x + 1)$$

Sequence: A301972
Score: 6.73791
Type of gen. func.: ogf

$$- \frac{28 I x^3 + 7 x (4 x - 1)^{(3/2)} - 66 I x^2 - 4 (4 x - 1)^{(3/2)} + 31 I x - 4 I}{2 x^2 (4 x - 1)^{3/2}}$$

Sequence: A301972
Score: 6.73791
Type of gen. func.: ogf

$$- \frac{28 I x^3 + 7 x (4 x - 1)^{(3/2)} - 66 I x^2 - 4 (4 x - 1)^{(3/2)} + 31 I x - 4 I}{2 x^2 (4 x - 1)^{3/2}}$$

Sequence: A301973
Score: 10.2123
Type of gen. func.: ogf

$$\frac{x (6 x^2 - 2 x + 1)}{(x - 1)^6}$$

Sequence: A301973
Score: 14.4544
Type of gen. func.: lgdogf

$$- \frac{-24 x^2 - 2 x - 4}{-6 x^3 + 8 x^2 - 3 x + 1}$$

Sequence: A301973
Score: 20.8785
Type of gen. func.: ogf

$$\frac{x\,(6\,x^2 - 2\,x + 1)}{(x - 1)^6}$$

Sequence: A301973
Score: 4.74512
Type of gen. func.: ogf

$$\{(n + 3)\,a(n + 4) + (-10 - 3\,n)\,a(n + 3) + (6 + 8\,n)\,a(n + 2) + (-24 - 6\,n)\,a(n + 1),\ a(0) = 0,\ a(1) = 1,\ a(2) = 4,\ a(3) = 15\}$$

Sequence: A301976
Score: 4.444
Type of gen. func.: ogf

$$-(12404\,f(x) - 1775)\,(5\,f(x)\,x^4 + 20\,f(x)\,x^3 + 6\,f(x)\,x^2 + 3\,x^3 - 12\,f(x)\,x + 11\,x^2 + f(x) + 7\,x - 1)$$

Sequence: A301976
Score: 8.08487
Type of gen. func.: ogf

$$-\frac{(x + 1)\,(3\,x^2 + 8\,x - 1)}{5\,x^4 + 20\,x^3 + 6\,x^2 - 12\,x + 1}$$

Sequence: A301976
Score: 8.38805
Type of gen. func.: ogf

$$-\frac{(x + 1)\,(3\,x^2 + 8\,x - 1)}{5\,x^4 + 20\,x^3 + 6\,x^2 - 12\,x + 1}$$

Sequence: A301985
Score: 11.8340
Type of gen. func.: lgdogf

$$-\frac{-631 x^2 - 3390 x + 4027}{-631 x^3 - 433 x^2 + 2761 x - 1697}$$

Sequence: A301985
Score: 14.0636
Type of gen. func.: ogf

$$\frac{631 x^2 + 1064 x - 1697}{(x - 1)^3}$$

Sequence: A301985
Score: 19.8039
Type of gen. func.: ogf

$$\frac{631 x^2 + 1064 x - 1697}{(x - 1)^3}$$

Sequence: A301985
Score: 6.93135
Type of gen. func.: ogf

$$(4074641 f(x) - 4284951544781982)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 631 x^2 - f(x) - 1064 x + 1697)$$

Sequence: A301985
Score: 8.01975
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1697, a(1) = 4027,

a(2) = 6359}

Sequence: A301990
Score: 13.0764

Type of gen. func.: lgdegf]

$$-\frac{8x-7}{(8x-1)(2x-1)}$$

Sequence: A301990
Score: 13.5994
Type of gen. func.: lgdegf]

$$-\frac{-8x+7}{-16x^2+10x-1}$$

Sequence: A301990
Score: 4.56356
Type of gen. func.: ogf

$$\{(16n^2+56n+48)\,a(n+1)+(-10n-27)\,a(n+2)+a(n+3),\ a(0)=1,\ a(1)=7,\ a(2)=111\}$$

Sequence: A301990
Score: 9.85465
Type of gen. func.: egf]

$$64f(x)^2x^2-16f(x)^2x+f(x)^2+2x-1$$

Sequence: A301994
Score: 10.8002
Type of gen. func.: ogf

$$-\frac{(2x-1)(x-1)}{4x^3-7x^2+5x-1}$$

Sequence: A301994
Score: 11.5084
Type of gen. func.: ogf

$$(2x-1)(x-1)$$

```
                   - ---------------------
                        3       2
                     4 x  - 7 x  + 5 x - 1
```

Sequence: A301994
Score: 6.26798
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 7 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A301994
Score: 6.32444
Type of gen. func.: ogf

$$(f(x) - 6) (4 f(x) x^3 - 7 f(x) x^2 + 5 f(x) x + 2 x^2 - f(x) - 3 x + 1)$$

Sequence: A301994
Score: 6.88249
Type of gen. func.: lgdogf

$$-\frac{8 x^4 - 24 x^3 + 23 x^2 - 10 x + 2}{8 x^5 - 26 x^4 + 35 x^3 - 24 x^2 + 8 x - 1}$$

Sequence: A301995
Score: 11.1302
Type of gen. func.: ogf

$$-\frac{2 (x^2 + 1)}{(x - 1) (x^2 - 3 x + 1)}$$

Sequence: A301995
Score: 11.9113
Type of gen. func.: ogf

$$-\frac{2 (x^2 + 1)}{(x - 1) (x^2 - 3 x + 1)}$$

Sequence: A301995
Score: 6.00835
Type of gen. func.: ogf

$$\{a(n+3) - 4\,a(n+2) + 4\,a(n+1) - a(n),\ a(0) = 2,\ a(1) = 8,\ a(2) = 26\}$$

Sequence: A301995
Score: 6.1722
Type of gen. func.: ogf

$$(127\,f(x) - 72)\,(f(x)\,x^3 - 4\,f(x)\,x^2 + 4\,f(x)\,x + 2\,x^2 - f(x) + 2)$$

Sequence: A301995
Score: 7.71526
Type of gen. func.: lgdogf

$$-\frac{x^4 - x^2 - 6\,x + 4}{x^5 - 4\,x^4 + 5\,x^3 - 5\,x^2 + 4\,x - 1}$$

Sequence: A302006
Score: 3.61035
Type of gen. func.: ogf

$$-(f(x) - 3208)$$

$$(4\,f(x)\,x^4 - f(x)\,x^3 - 18\,f(x)\,x^2 + 8\,x^3 - 13\,f(x)\,x + f(x) - 24\,x - 8)$$

Sequence: A302006
Score: 6.96999
Type of gen. func.: ogf

$$-\frac{8\,(x^3 - 3\,x - 1)}{4\,x^4 - x^3 - 18\,x^2 - 13\,x + 1}$$

Sequence: A302006
Score: 7.06815
Type of gen. func.: ogf

$$-\frac{8\,(x^3-3\,x-1)}{4\,x^4-x^3-18\,x^2-13\,x+1}$$

Sequence: A302007
Score: 4.25863
Type of gen. func.: ogf

$$-\frac{16\,(9\,x^5-4\,x^4-17\,x^3+x^2+8\,x+1)}{(x^2-x-1)\,(37\,x^4-3\,x^3-56\,x^2-25\,x+1)}$$

Sequence: A302007
Score: 4.47517
Type of gen. func.: ogf

$$-\frac{16\,(9\,x^5-4\,x^4-17\,x^3+x^2+8\,x+1)}{(x^2-x-1)\,(37\,x^4-3\,x^3-56\,x^2-25\,x+1)}$$

Sequence: A302011
Score: 4.82538
Type of gen. func.: ogf

$$\frac{8\,(4\,x^2-x-1)\,(8\,x^3-2\,x-1)}{64\,x^4+16\,x^3-20\,x^2-13\,x+1}$$

Sequence: A302011
Score: 5.39611
Type of gen. func.: ogf

$$\frac{8\,(4\,x^2-x-1)\,(8\,x^3-2\,x-1)}{64\,x^4+16\,x^3-20\,x^2-13\,x+1}$$

Sequence: A302017
Score: 3.862
Type of gen. func.: ogf

$$-\left(x^{18}+x^{17}+x^{15}+x^{14}-x^{11}-x^{9}-x^{8}-x^{6}+1\right)\Big/\left(x^{19}-x^{18}-x^{17}+x^{16}-2x^{15}-x^{14}-x^{13}-x^{12}+x^{11}-x^{10}+2x^{9}+x^{8}+2x^{6}+x^{5}+x^{4}+x^{2}+x-1\right)$$

Sequence: A302017
Score: 3.86200
Type of gen. func.: ogf

$$-\left(x^{18}+x^{17}+x^{15}+x^{14}-x^{11}-x^{9}-x^{8}-x^{6}+1\right)\Big/\left(x^{19}-x^{18}-x^{17}+x^{16}-2x^{15}-x^{14}-x^{13}-x^{12}+x^{11}-x^{10}+2x^{9}+x^{8}+2x^{6}+x^{5}+x^{4}+x^{2}+x-1\right)$$

Sequence: A302019
Score: 5.15249
Type of gen. func.: ogf

$$\frac{x^{21}-x^{20}+x^{19}-x^{14}-x^{2}+x-1}{x^{21}-2x^{20}+x^{19}+x^{16}+x^{15}-x^{14}+x^{11}-x^{10}+x^{9}+x^{4}-x^{2}+2x-1}$$

Sequence: A302019
Score: 5.27163
Type of gen. func.: ogf

$$\frac{x^{21}-x^{20}+x^{19}-x^{14}-x^{2}+x-1}{x^{21}-2x^{20}+x^{19}+x^{16}+x^{15}-x^{14}+x^{11}-x^{10}+x^{9}+x^{4}-x^{2}+2x-1}$$

Sequence: A302048
Score: 8.0067
Type of gen. func.: lgdogf

$$\frac{x^{4} (45 x^{40} + 21 x^{16} + 5)}{x^{45} + x^{21} + x^{5} + 1}$$

Sequence: A302064
Score: 10.1434
Type of gen. func.: ogf

$$-\frac{4 x^{2} + 7 x - 4}{(6 x - 1) (2 x - 1)}$$

Sequence: A302064
Score: 10.7070
Type of gen. func.: ogf

$$-\frac{4 x^{2} + 7 x - 4}{(6 x - 1) (2 x - 1)}$$

Sequence: A302064
Score: 5.45449
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 12 a(n + 1), a(0) = 4, a(1) = 25, a(2) = 148\}$$

Sequence: A302064
Score: 5.72452
Type of gen. func.: ogf

$$-(96 f(x) + 241) (12 f(x) x^{2} - 8 f(x) x + 4 x^{2} + f(x) + 7 x - 4)$$

Sequence: A302064
Score: 7.05093
Type of gen. func.: lgdogf

$$-\frac{116 x^2 - 104 x + 25}{48 x^4 + 52 x^3 - 100 x^2 + 39 x - 4}$$

Sequence: A302065
Score: 4.82566
Type of gen. func.: ogf

$$-\frac{104 x^5 - 198 x^4 + 74 x^3 + 60 x^2 - 47 x + 8}{36 x^5 - 124 x^4 + 148 x^3 - 76 x^2 + 16 x - 1}$$

Sequence: A302065
Score: 4.82566
Type of gen. func.: ogf

$$-\frac{104 x^5 - 198 x^4 + 74 x^3 + 60 x^2 - 47 x + 8}{36 x^5 - 124 x^4 + 148 x^3 - 76 x^2 + 16 x - 1}$$

Sequence: A302076
Score: 10.3156
Type of gen. func.: ogf

$$-\frac{(x + 3) (2 x + 1)}{4 x^3 + 7 x^2 + x - 1}$$

Sequence: A302076
Score: 5.15783
Type of gen. func.: ogf

$$-(11117 f(x) - 6450) (4 f(x) x^3 + 7 f(x) x^2 + f(x) x + 2 x^2 - f(x) + 7 x + 3)$$

Sequence: A302076
Score: 5.51977
Type of gen. func.: ogf

{a(n + 3) - a(n + 2) - 7 a(n + 1) - 4 a(n), a(0) = 3, a(1) = 10, a(2) = 33}

Sequence: A302076
Score: 9.68084
Type of gen. func.: ogf

$$-\frac{(x+3)(2x+1)}{4x^3+7x^2+x-1}$$

Sequence: A302077
Score: 4.25833
Type of gen. func.: ogf

$$-\frac{2x^7-4x^6-17x^5-x^4+52x^3+18x^2-13x-5}{x^8-x^7-14x^6+x^5+42x^4+x^3-14x^2-x+1}$$

Sequence: A302077
Score: 4.25834
Type of gen. func.: ogf

$$-\frac{2x^7-4x^6-17x^5-x^4+52x^3+18x^2-13x-5}{x^8-x^7-14x^6+x^5+42x^4+x^3-14x^2-x+1}$$

Sequence: A302078
Score: 3.88265
Type of gen. func.: ogf

$$-\frac{512x^8-256x^7-80x^6+52x^5-228x^4+61x^3+87x^2-11x-8}{(2x+1)(2x-1)(32x^5-16x^4-26x^3+13x^2+3x-1)}$$

Sequence: A302078
Score: 3.97971
Type of gen. func.: ogf

8 7 6 5 4 3 2

$$-\frac{512 x - 256 x - 80 x + 52 x - 228 x + 61 x + 87 x - 11 x - 8}{(2 x + 1) (2 x - 1) (32 x^{5} - 16 x^{4} - 26 x^{3} + 13 x^{2} + 3 x - 1)}$$

Sequence: A302113
Score: 3.46588
Type of gen. func.: ogf

$$\{(96 n^{3} + 144 n^{2} + 48 n) a(n) + (16 n^{3} + 124 n^{2} + 242 n + 134) a(n + 1) + (6 n^{2} + 27 n + 48) a(n + 2) + (-2 - n) a(n + 3), a(0) = 0, a(1) = 4, a(2) = 108\}$$

Sequence: A302115
Score: 4.11358
Type of gen. func.: egf]

$$-3/8\, 2^{1/2} \operatorname{arctanh}\left(\frac{2\, 2^{1/2}}{3}\right) + 1/2 - \frac{(2 x + 1)^{1/2}}{2} + 3/8\, 2^{1/2} \operatorname{arctanh}\left(\frac{2\, 2^{1/2} (2 x + 1)^{1/2}}{3}\right)$$

Sequence: A302115
Score: 5.20147
Type of gen. func.: ogf

$$\{(-32 n^{2} + 16 n) a(n) + (-14 n - 17) a(n + 1) + a(n + 2), a(0) = 0, a(1) = 4\}$$

Sequence: A302117
Score: 4.66548
Type of gen. func.: egf]

$$1/4\, I\, (2^{1/2} \operatorname{arctanh}(2^{1/2})\, I - 2^{1/2} \arctan(2^{1/2} (2 x - 1)^{1/2}) - 2 I + 2 (2 x - 1)^{1/2})$$

Sequence: A302117
Score: 5.66238
Type of gen. func.: ogf

$$\{(8 n^2 - 4 n) a(n) + (-6 n - 3) a(n + 1) + a(n + 2), a(0) = 0, a(1) = 1\}$$

Sequence: A302118
Score: 3.81909
Type of gen. func.: ogf

$$(x^{16} - 3 x^{15} - 2 x^{14} + 3 x^{12} + 6 x^{11} + 2 x^{10} - 6 x^9 - 10 x^8 - 6 x^7 + 6 x^6 + 4 x^5 + 3 x^4 - x^3 - 2 x^2 + 1) / ((x - 1) (x + 1) (x^5 + x^3 + x - 1) (x^4 + x^2 - 1)^2)$$

Sequence: A302119
Score: 3.88119
Type of gen. func.: ogf

$$(x^{16} - x^{15} + x^{13} + x^{12} + 2 x^{11} - x^{10} - 5 x^9 - 6 x^8 - 2 x^7 + 5 x^6 + 3 x^5 + 3 x^4 - x^3 - 3 x^2 + 1) / ((x - 1) (x + 1) (x^5 + x^3 + x - 1) (x^4 + x^2 - 1)^2)$$

Sequence: A302126
Score: 13.5379
Type of gen. func.: ogf

$$\frac{x (x + 1) (x - 2)}{x^4 + x^2 - 1}$$

Sequence: A302126
Score: 13.5379
Type of gen. func.: ogf

$$\frac{x (x + 1) (x - 2)}{x^4 + x^2 - 1}$$

Sequence: A302126
Score: 8.09618
Type of gen. func.: ogf

$$-(f(x) - 35) (f(x) x^4 + f(x) x^2 - x^3 + x^2 - f(x) + 2 x)$$

Sequence: A302130
Score: 8.00814
Type of gen. func.: ogf

$$\frac{x^{11} - 2 x^9 - 2 x^8 - x^7 + 2 x^6 + 3 x^5 - x^3 + x^2 + x + 1}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A302139
Score: 8.86451
Type of gen. func.: ogf

$$\frac{4 (44 x^{12} + 106 x^{11} + 28 x^8 + 2 x^7 + 4 x^5 + 4 x^4 + 3 x^3 + 2 x^2 + x - 2)}{2 x - 1}$$

Sequence: A302139
Score: 9.27874
Type of gen. func.: ogf

$$\frac{4 (44 x^{12} + 106 x^{11} + 28 x^8 + 2 x^7 + 4 x^5 + 4 x^4 + 3 x^3 + 2 x^2 + x - 2)}{2 x - 1}$$

Sequence: A302146
Score: 10.9141
Type of gen. func.: ogf

$$-\frac{2 x^2 + 2 x - 1}{2 x^3 + 2 x^2 - 4 x + 1}$$

Sequence: A302146
Score: 10.9141
Type of gen. func.: ogf

$$-\frac{2 x^{2} + 2 x - 1}{2 x^{3} + 2 x^{2} - 4 x + 1}$$

Sequence: A302146
Score: 5.78921
Type of gen. func.: ogf

$$-(f(x) + 3) (2 f(x) x^{3} + 2 f(x) x^{2} - 4 f(x) x + 2 x^{2} + f(x) + 2 x - 1)$$

Sequence: A302146
Score: 5.94429
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 2 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A302146
Score: 6.93500
Type of gen. func.: lgdogf

$$-\frac{-4 x^{4} - 8 x^{3} - 6 x^{2} + 8 x - 2}{-4 x^{5} - 8 x^{4} + 6 x^{3} + 8 x^{2} - 6 x + 1}$$

Sequence: A302148
Score: 4.10374
Type of gen. func.: ogf

$$\frac{20 x^{8} + 16 x^{7} - 63 x^{6} + 78 x^{5} + 35 x^{4} - 52 x^{3} + 7 x - 1}{(x - 1) (x^{2} - 3 x + 1) (16 x^{4} + 28 x^{3} + 4 x^{2} - 9 x + 1)}$$

Sequence: A302148
Score: 4.13204
Type of gen. func.: ogf

$$\frac{20 x^{8} + 16 x^{7} - 63 x^{6} + 78 x^{5} + 35 x^{4} - 52 x^{3} + 7 x - 1}{(x - 1) (x^{2} - 3 x + 1) (16 x^{4} + 28 x^{3} + 4 x^{2} - 9 x + 1)}$$

Sequence: A302158
Score: 4.67023
Type of gen. func.: ogf

$$(32 x^{10} - 32 x^{9} + 16 x^{8} - 32 x^{7} + 28 x^{6} - 24 x^{5} + 40 x^{4} + 14 x^{3} + 2 x^{2} - 6 x - 3) \Big/ (4 x^{7} - 4 x^{6} - 6 x^{4} + 8 x^{3} + x - 1)$$

Sequence: A302158
Score: 4.79817
Type of gen. func.: ogf

$$(32 x^{10} - 32 x^{9} + 16 x^{8} - 32 x^{7} + 28 x^{6} - 24 x^{5} + 40 x^{4} + 14 x^{3} + 2 x^{2} - 6 x - 3) \Big/ (4 x^{7} - 4 x^{6} - 6 x^{4} + 8 x^{3} + x - 1)$$

Sequence: A302164
Score: 7.74067
Type of gen. func.: ogf

$$\frac{8 x^{5} - 24 x^{4} + 8 x^{3} + 6 x^{2} + x + 2}{8 x^{5} - 16 x^{4} - x + 1}$$

Sequence: A302164
Score: 8.1137
Type of gen. func.: ogf

$$8 x^{5} - 24 x^{4} + 8 x^{3} + 6 x^{2} + x + 2$$

$$8 x^5 - 16 x^4 - x + 1$$

Sequence: A302165
Score: 8.13035
Type of gen. func.: ogf

$$\frac{3 x^5 + x^4 - 3 x^3 + 3 x^2 - 2 x - 4}{2 x^4 - x^3 + x^2 + x - 1}$$

Sequence: A302165
Score: 8.49576
Type of gen. func.: ogf

$$\frac{3 x^5 + x^4 - 3 x^3 + 3 x^2 - 2 x - 4}{2 x^4 - x^3 + x^2 + x - 1}$$

Sequence: A302189
Score: 10.4776
Type of gen. func.: lgdegf]

$$- \frac{-x^2 - 5 x - 4}{-x^2 - 3 x - 1}$$

Sequence: A302189
Score: 2.90468
Type of gen. func.: ogf

$$\{(-n^2 - 5 n - 6) a(n + 1) + (-n^2 - 10 n - 21) a(n + 2) + (-3 n - 13) a(n + 3)$$
$$- a(n + 4), a(0) = 1, a(1) = -4, a(2) = 23, a(3) = -184\}$$

Sequence: A302189
Score: 9.77909
Type of gen. func.: lgdegf]

$$-\frac{(x+4)(x+1)}{x^2+3x+1}$$

Sequence: A302190
Score: 20.8706
Type of gen. func.: egf]

$$x+\ln(x+1)$$

Sequence: A302190
Score: 4.73659
Type of gen. func.: ogf

$$\{(n^2-n)a(n)+(2n^2+5n+1)a(n+1)+(2+2n)a(n+2),\ a(0)=0,\ a(1)=2\}$$

Sequence: A302195
Score: 10.3581
Type of gen. func.: lgdegf]

$$-\frac{-x^2-6x-6}{-x^2-4x-2}$$

Sequence: A302195
Score: 10.3581
Type of gen. func.: lgdegf]

$$-\frac{x^2+6x+6}{x^2+4x+2}$$

Sequence: A302196
Score: 14.9097
Type of gen. func.: egf]

$$x+\ln(x^2+4x+2)-\ln(2)$$

Sequence: A302198
Score: 15.3111
Type of gen. func.: egf]

$$x + \ln(x^2 + 3 x + 1)$$

Sequence: A302203
Score: 3.34715
Type of gen. func.: ogf

$$-(x^{19} - x^{16} + x^{13} - x^{10} + x^7 - x^4 + 1) \Big/ ((x - 1) (x^2 + 1) (x^{20} - x^{18} + x^{16} - x^{14} + x^{12} - x^{10} + x^8 - x^6 + x^4 - x^2 + 1))$$

Sequence: A302203
Score: 6.33683
Type of gen. func.: ogf

$$-(x^{19} - x^{16} + x^{13} - x^{10} + x^7 - x^4 + 1) \Big/ ((x - 1) (x^2 + 1) (x^{20} - x^{18} + x^{16} - x^{14} + x^{12} - x^{10} + x^8 - x^6 + x^4 - x^2 + 1))$$

Sequence: A302207
Score: 4.03189
Type of gen. func.: ogf

$$-\frac{32 x^8 - 16 x^7 + 24 x^6 - 36 x^5 + 48 x^4 - 12 x^3 + 15 x^2 - 8 x - 1}{16 x^9 - 12 x^7 + 12 x^6 - 2 x^5 + 13 x^4 - 9 x^3 + 2 x^2 - 3 x + 1}$$

Sequence: A302207
Score: 4.03190
Type of gen. func.: ogf

$$32 x^8 - 16 x^7 + 24 x^6 - 36 x^5 + 48 x^4 - 12 x^3 + 15 x^2 - 8 x - 1$$

$$-\overline{\qquad 16 x^9 - 12 x^7 + 12 x^6 - 2 x^5 + 13 x^4 - 9 x^3 + 2 x^2 - 3 x + 1}$$

Sequence: A302225
Score: 6.76621
Type of gen. func.: ogf

$$\frac{x (4 x^4 + 4 x^3 - 8 x^2 - 8 x - 3)}{(x + 1) (2 x^2 + 3 x - 1) (2 x^2 + 1)}$$

Sequence: A302225
Score: 6.83596
Type of gen. func.: ogf

$$\frac{x (4 x^4 + 4 x^3 - 8 x^2 - 8 x - 3)}{(x + 1) (2 x^2 + 3 x - 1) (2 x^2 + 1)}$$

Sequence: A302237
Score: 10.9025
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^3 + 6 x^2 + 5 x + 2}{x^6 - 3 x^4 + 3 x^2 - 1}$$

Sequence: A302237
Score: 11.6457
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{(x + 2) (2 x^2 + 2 x + 1)}{(x - 1)^3 (x + 1)^3}$$

Sequence: A302245
Score: 8.27658
Type of gen. func.: ogf

$$\frac{x^8 - x^7 + x^6 - x^5 + x^4 + x^3 + x + 1}{(x + 1)\,(x - 1)^2}$$

Sequence: A302245
Score: 8.98855
Type of gen. func.: ogf

$$\frac{x^8 - x^7 + x^6 - x^5 + x^4 + x^3 + x + 1}{(x + 1)\,(x - 1)^2}$$

Sequence: A302254
Score: 13.2366
Type of gen. func.: ogf

$$\frac{4\,x^7 + 4\,x^6 + 4\,x^5 - 2\,x^3 - x - 1}{2\,x^2 - 1}$$

Sequence: A302254
Score: 14.0039
Type of gen. func.: ogf

$$\frac{4\,x^7 + 4\,x^6 + 4\,x^5 - 2\,x^3 - x - 1}{2\,x^2 - 1}$$

Sequence: A302255
Score: 11.8341
Type of gen. func.: ogf

$$\frac{x\,(x^2 - x + 1)\,(x + 1)^2}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A302255
Score: 21.0015
Type of gen. func.: ogf_with_Euler_transform]

$$x^6 - x^5 + x^2 - x + 2$$

Sequence: A302255
Score: 7.92556
Type of gen. func.: ogf

$$\frac{x (x^2 - x + 1) (x + 1)^2}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A302256
Score: 10.4951
Type of gen. func.: ogf

$$- \frac{22 x^4 - 164 x^3 + 376 x^2 - 123 x + 213}{(x - 1)^5}$$

Sequence: A302256
Score: 7.06403
Type of gen. func.: ogf

$$- \frac{22 x^4 - 164 x^3 + 376 x^2 - 123 x + 213}{(x - 1)^5}$$

Sequence: A302260
Score: 5.77606
Type of gen. func.: ogf

$$- \frac{32 x^5 - 58 x^4 - 50 x^3 - 13 x^2 + 5 x + 4}{16 x^5 - 54 x^4 + 2 x^3 - 2 x^2 + 6 x - 1}$$

Sequence: A302260
Score: 5.77606
Type of gen. func.: ogf

$$-\frac{32 x^5 - 58 x^4 - 50 x^3 - 13 x^2 + 5 x + 4}{16 x^5 - 54 x^4 + 2 x^3 - 2 x^2 + 6 x - 1}$$

Sequence: A302266
Score: 4.35909
Type of gen. func.: ogf

$$-(16866 f(x) - 4441)$$

$$(4 f(x) x^4 + 4 f(x) x^3 + f(x) x^2 + 2 x^3 + 3 f(x) x + 3 x^2 - f(x) + 2 x + 2)$$

Sequence: A302266
Score: 8.37849
Type of gen. func.: ogf

$$-\frac{2 x^3 + 3 x^2 + 2 x + 2}{4 x^4 + 4 x^3 + x^2 + 3 x - 1}$$

Sequence: A302266
Score: 8.37851
Type of gen. func.: ogf

$$-\frac{2 x^3 + 3 x^2 + 2 x + 2}{4 x^4 + 4 x^3 + x^2 + 3 x - 1}$$

Sequence: A302279
Score: 5.38239
Type of gen. func.: ogf

$$(37664 f(x) + 138671)$$

$$(4 f(x) x^4 + 4 x^4 - 3 f(x) x^2 + 6 x^3 - f(x) x - 4 x^2 + f(x) - 3 x)$$

Sequence: A302279
Score: 7.98287
Type of gen. func.: ogf

$$-\frac{x (2 x + 1) (2 x^2 + 2 x - 3)}{(2 x - 1) (2 x^3 + x^2 - x - 1)}$$

Sequence: A302279
Score: 9.73256
Type of gen. func.: ogf

$$-\frac{x (2 x + 1) (2 x^2 + 2 x - 3)}{(2 x - 1) (2 x^3 + x^2 - x - 1)}$$

Sequence: A302298
Score: 13.6477
Type of gen. func.: ogf

$$\frac{16 x (x + 1) (x^2 + 5 x + 1)}{(x - 1)^6}$$

Sequence: A302298
Score: 4.75368
Type of gen. func.: ogf

$$\{(-n^2 - 5 n - 6) a(n + 1) + (2 n^2 + 10 n + 32) a(n + 2)$$

$$+ (-n^2 - 5 n - 6) a(n + 3), a(0) = 0, a(1) = 16, a(2) = 192\}$$

Sequence: A302298
Score: 8.13611
Type of gen. func.: ogf

$$16 x (x + 1) (x^2 + 5 x + 1)$$

$$\frac{\qquad}{(x-1)^6}$$

Sequence: A302302
Score: 10.8441
Type of gen. func.: ogf

$$\frac{x\,(x^2+13\,x+10)}{(x-1)^4}$$

Sequence: A302302
Score: 11.9604
Type of gen. func.: lgdogf

$$-\frac{2\,x^2+41\,x+53}{x^3+12\,x^2-3\,x-10}$$

Sequence: A302302
Score: 17.3045
Type of gen. func.: ogf

$$\frac{x\,(x^2+13\,x+10)}{(x-1)^4}$$

Sequence: A302302
Score: 3.98681
Type of gen. func.: ogf

$$\{(-30-10\,n)\,a(n+4)+(47-3\,n)\,a(n+3)+(53+12\,n)\,a(n+2)$$

$$+(n+2)\,a(n+1),\ a(0)=0,\ a(1)=10,\ a(2)=53,\ a(3)=153\}$$

Sequence: A302302
Score: 5.42207
Type of gen. func.: ogf

$$(68155392 f(x) + 584036425)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 13 x^2 + f(x) - 10 x)$$

Sequence: A302310
Score: 6.41051
Type of gen. func.: ogf

$$\frac{24 x^5 - 36 x^4 - 6 x^3 + 7 x^2 - x + 2}{(x - 1) (4 x^2 + 1) (4 x^2 + x - 1)}$$

Sequence: A302310
Score: 6.535
Type of gen. func.: ogf

$$\frac{24 x^5 - 36 x^4 - 6 x^3 + 7 x^2 - x + 2}{(x - 1) (4 x^2 + 1) (4 x^2 + x - 1)}$$

Sequence: A302323
Score: 10.4453
Type of gen. func.: ogf

$$- \frac{2 (2 x^3 + 4 x^2 - 1)}{(2 x - 1) (2 x^2 + 2 x - 1)}$$

Sequence: A302323
Score: 5.06674
Type of gen. func.: ogf

$$\{-a(n + 4) + 4 a(n + 3) - 2 a(n + 2) - 4 a(n + 1), a(0) = 2, a(1) = 8,$$

$$a(2) = 20, a(3) = 52\}$$

Sequence: A302323
Score: 5.7054
Type of gen. func.: ogf

$$-(f(x) - 6) (4 f(x) x^3 + 2 f(x) x^2 + 4 x^3 - 4 f(x) x + 8 x^2 + f(x) - 2)$$

Sequence: A302323
Score: 6.72221
Type of gen. func.: lgdogf

$$-\frac{12 x^4 + 16 x^3 - 2 x^2 - 12 x + 4}{8 x^6 + 20 x^5 - 18 x^3 + 2 x^2 + 4 x - 1}$$

Sequence: A302323
Score: 9.83974
Type of gen. func.: ogf

$$-\frac{2 (2 x^3 + 4 x^2 - 1)}{(2 x - 1) (2 x^2 + 2 x - 1)}$$

Sequence: A302329
Score: 10.0144
Type of gen. func.: lgdogf

$$-\frac{-x^2 + 2 x - 61}{-x^3 + 63 x^2 - 63 x + 1}$$

Sequence: A302329
Score: 14.5862
Type of gen. func.: ogf

$$-\frac{x - 1}{x^2 - 62 x + 1}$$

Sequence: A302329
Score: 14.5862
Type of gen. func.: ogf

$$-\frac{x-1}{x^2-62x+1}$$

Sequence: A302329
Score: 7.13794
Type of gen. func.: ogf

$$-(3780 f(x) - 59) (f(x) x^2 - 62 f(x) x + f(x) + x - 1)$$

Sequence: A302329
Score: 7.98770
Type of gen. func.: ogf

$$\{a(n + 2) - 62 a(n + 1) + a(n), a(0) = 1, a(1) = 61\}$$

Sequence: A302330
Score: 13.4814
Type of gen. func.: ogf

$$-\frac{x-1}{x^2-98x+1}$$

Sequence: A302330
Score: 13.4814
Type of gen. func.: ogf

$$-\frac{x-1}{x^2-98x+1}$$

Sequence: A302330
Score: 6.59727
Type of gen. func.: ogf

$$-(9504 f(x) - 95) (f(x) x^2 - 98 f(x) x + f(x) + x - 1)$$

Sequence: A302330
Score: 7.38265
Type of gen. func.: ogf

$$\{a(n + 2) - 98 a(n + 1) + a(n), a(0) = 1, a(1) = 97\}$$

Sequence: A302330
Score: 9.25587
Type of gen. func.: lgdogf

$$- \frac{-x^2 + 2 x - 97}{-x^3 + 99 x^2 - 99 x + 1}$$

Sequence: A302331
Score: 14.5198
Type of gen. func.: ogf

$$- \frac{x - 1}{x^2 - 142 x + 1}$$

Sequence: A302331
Score: 14.5198
Type of gen. func.: ogf

$$- \frac{x - 1}{x^2 - 142 x + 1}$$

Sequence: A302331
Score: 7.03535
Type of gen. func.: ogf

$$-(20020 f(x) - 139) (f(x) x^2 - 142 f(x) x + f(x) + x - 1)$$

Sequence: A302331
Score: 7.93522
Type of gen. func.: ogf

{a(n + 2) - 142 a(n + 1) + a(n), a(0) = 1, a(1) = 141}

Sequence: A302331
Score: 9.74899
Type of gen. func.: lgdogf

$$-\frac{-x^2 + 2x - 141}{-x^3 + 143x^2 - 143x + 1}$$

Sequence: A302332
Score: 10.3293
Type of gen. func.: lgdogf

$$-\frac{-x^2 + 2x - 193}{-x^3 + 195x^2 - 195x + 1}$$

Sequence: A302332
Score: 15.384
Type of gen. func.: ogf

$$-\frac{x - 1}{x^2 - 194x + 1}$$

Sequence: A302332
Score: 15.3840
Type of gen. func.: ogf

$$-\frac{x - 1}{x^2 - 194x + 1}$$

Sequence: A302332
Score: 7.45412
Type of gen. func.: ogf

$$-(37440 f(x) - 191) (f(x) x^2 - 194 f(x) x + f(x) + x - 1)$$

Sequence: A302332
Score: 8.40755
Type of gen. func.: ogf

$$\{a(n + 2) - 194 a(n + 1) + a(n), a(0) = 1, a(1) = 193\}$$

Sequence: A302341
Score: 4.20006
Type of gen. func.: ogf

$$\frac{2 (x^{14} + x^{13} - 5 x^{12} + x^{11} + x^{10} + x^8 + x^7 + x^6 + 2 x^4 + 6)}{(x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A302341
Score: 6.52625
Type of gen. func.: ogf

$$\frac{2 (x^{14} + x^{13} - 5 x^{12} + x^{11} + x^{10} + x^8 + x^7 + x^6 + 2 x^4 + 6)}{(x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A302347
Score: 10.5662
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^8 - x^7 - 2 x^4 + 2 x^3 - x^2 + x + 1}{x - 1}$$

Sequence: A302351
Score: 11.8464
Type of gen. func.: ogf

$$- \frac{18 x^4 - 90 x^3 + 163 x^2 - 83 x + 92}{5}$$

$$(x - 1)$$

Sequence: A302368
Score: 5.08428
Type of gen. func.: ogf

$$(f(x) - 5)$$

$$(4 f(x) x^4 + 4 f(x) x^3 - 4 f(x) x^2 + 4 x^3 - 2 f(x) x + f(x) + 2 x - 2)$$

Sequence: A302368
Score: 9.50538
Type of gen. func.: ogf

$$- \frac{2 (2 x^3 + x - 1)}{(2 x^2 - 1) (2 x^2 + 2 x - 1)}$$

Sequence: A302368
Score: 9.50539
Type of gen. func.: ogf

$$- \frac{2 (2 x^3 + x - 1)}{(2 x^2 - 1) (2 x^2 + 2 x - 1)}$$

Sequence: A302390
Score: 10.6862
Type of gen. func.: ogf

$$\frac{x^5 - x^4 - 8 x^2 + 7 x + 13}{(x + 1) (x - 1)^2}$$

Sequence: A302390
Score: 11.9075
Type of gen. func.: ogf

5   4   2

$$\frac{x - x - 8 x + 7 x + 13}{(x + 1) (x - 1)^{2}}$$

Sequence: A302392
Score: 7.12188
Type of gen. func.: ogf

$$- \frac{x^{5} + 3 x^{4} + 4 x^{3} + 6 x^{2} + x + 3}{(x^{2} + 1) (x + 1)^{2} (x - 1)^{3}}$$

Sequence: A302392
Score: 8.59032
Type of gen. func.: ogf

$$- \frac{x^{5} + 3 x^{4} + 4 x^{3} + 6 x^{2} + x + 3}{(x^{2} + 1) (x + 1)^{2} (x - 1)^{3}}$$

Sequence: A302393
Score: 7.30474
Type of gen. func.: ogf

$$- \frac{x (2 x^{4} + 3 x^{3} + 5 x^{2} + 3 x + 5)}{(x^{2} + 1) (x + 1)^{2} (x - 1)^{3}}$$

Sequence: A302393
Score: 8.87567
Type of gen. func.: ogf

$$- \frac{x (2 x^{4} + 3 x^{3} + 5 x^{2} + 3 x + 5)}{(x^{2} + 1) (x + 1)^{2} (x - 1)^{3}}$$

Sequence: A302396
Score: 12.2215

Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A302402
Score: 16.5589
Type of gen. func.: lgdogf

$$- \frac{4 x^2 + x + 1}{x^3 - 1}$$

Sequence: A302402
Score: 17.5727
Type of gen. func.: ogf

$$\frac{2 x}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A302402
Score: 19.1347
Type of gen. func.: ogf

$$\frac{2 x}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A302402
Score: 34.3279
Type of gen. func.: ogf_with_Euler_transform]

$$[x^2 + 1]$$

Sequence: A302402
Score: 5.28258
Type of gen. func.: ogf

{(-3 - n) a(n + 4) + a(n + 3) + a(n + 2) + (n + 4) a(n + 1), a(0) = 0, a(1) = 2,

a(2) = 2, a(3) = 2}

Sequence: A302402
Score: 8.69759
Type of gen. func.: ogf

$$(f(x) + 2) (f(x) x^4 - f(x) x^3 - f(x) x + f(x) - 2 x)$$

Sequence: A302404
Score: 13.2471
Type of gen. func.: ogf

$$\frac{x (x^4 + x^3 + 2)}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A302404
Score: 8.52536
Type of gen. func.: ogf

$$\frac{x (x^4 + x^3 + 2)}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A302405
Score: 13.1815
Type of gen. func.: ogf

$$\frac{x (2 x^3 + x + 1)}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A302405
Score: 8.83298
Type of gen. func.: ogf

$$x (2 x^3 + x + 1)$$

$$\overline{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A302406
Score: 11.4854
Type of gen. func.: ogf

$$- \frac{x (2 x^4 + x + 1)}{(x^2 + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A302406
Score: 9.11729
Type of gen. func.: ogf

$$- \frac{x (2 x^4 + x + 1)}{(x^2 + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A302416
Score: 5.16661
Type of gen. func.: ogf

$$\frac{x^8 - 4 x^7 + 11 x^6 - 37 x^5 + 50 x^4 - 35 x^3 + 33 x^2 - 13 x - 4}{(x - 1) (x^4 - 3 x^3 + x^2 - 2 x + 1)}$$

Sequence: A302416
Score: 5.16662
Type of gen. func.: ogf

$$\frac{x^8 - 4 x^7 + 11 x^6 - 37 x^5 + 50 x^4 - 35 x^3 + 33 x^2 - 13 x - 4}{(x - 1) (x^4 - 3 x^3 + x^2 - 2 x + 1)}$$

Sequence: A302422
Score: 6.26536
Type of gen. func.: ogf

$$-\frac{32x^8+32x^7+8x^6-4x^5+36x^4+20x^3-2x^2-6x-3}{8x^4-10x^3-x+1}$$

Sequence: A302422
Score: 6.26537
Type of gen. func.: ogf

$$-\frac{32x^8+32x^7+8x^6-4x^5+36x^4+20x^3-2x^2-6x-3}{8x^4-10x^3-x+1}$$

Sequence: A302447
Score: 12.6431
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x+2}{-x^4+4x^3-6x^2+4x-1}$$

Sequence: A302447
Score: 23.6284
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x+2}{(x-1)^4}$$

Sequence: A302448
Score: 10.8659
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^2+x+1}{-x^4+4x^3-6x^2+4x-1}$$

Sequence: A302448

Score: 18.4791
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^2 + x + 1}{(x - 1)^4}$$

Sequence: A302449
Score: 10.9548
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^2 + 6 x + 1}{-x^4 + 4 x^3 - 6 x^2 + 4 x - 1}$$

Sequence: A302449
Score: 18.6496
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^2 + 6 x + 1}{(x - 1)^4}$$

Sequence: A302450
Score: 13.1506
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{(x + 1) (x^2 + 22 x + 1)}{(x - 1)^5}$$

Sequence: A302450
Score: 8.45526
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{-x^3 - 23 x^2 - 23 x - 1}{-x^5 + 5 x^4 - 10 x^3 + 10 x^2 - 5 x + 1}$$

Sequence: A302483
Score: 6.57676
Type of gen. func.: ogf

$$-\frac{x^8 - 3x^7 + 6x^6 - 7x^5 + 7x^4 - 5x^3 + 4x^2 - 3x + 1}{(x^3 - x^2 + 2x - 1)(x - 1)^2}$$

Sequence: A302483
Score: 6.79417
Type of gen. func.: ogf

$$-\frac{x^8 - 3x^7 + 6x^6 - 7x^5 + 7x^4 - 5x^3 + 4x^2 - 3x + 1}{(x^3 - x^2 + 2x - 1)(x - 1)^2}$$

Sequence: A302488
Score: 11.0699
Type of gen. func.: ogf

$$\frac{x^4 - 2x^3 - 1}{(x^2 + 1)(x + 1)(x - 1)^3}$$

Sequence: A302488
Score: 12.283
Type of gen. func.: ogf

$$\frac{x^4 - 2x^3 - 1}{(x^2 + 1)(x + 1)(x - 1)^3}$$

Sequence: A302506
Score: 10.5348
Type of gen. func.: ogf

$$-\frac{3x^3 + 4x^2 + x + 2}{}$$

$$(x^2 + 1) (x^2 + x - 1)$$

Sequence: A302506
Score: 11.7563
Type of gen. func.: ogf

$$-\frac{3 x^3 + 4 x^2 + x + 2}{(x^2 + 1) (x^2 + x - 1)}$$

Sequence: A302506
Score: 6.48945
Type of gen. func.: ogf

$$-(46 f(x) - 29) (f(x) x^4 + f(x) x^3 + 3 x^3 + f(x) x + 4 x^2 - f(x) + x + 2)$$

Sequence: A302507
Score: 12.6247
Type of gen. func.: ogf

$$-3 f(x) x^2 + 4 f(x) x - f(x) + 8 x$$

Sequence: A302507
Score: 15.5179
Type of gen. func.: lgdogf

$$-\frac{6 x - 4}{3 x^2 - 4 x + 1}$$

Sequence: A302507
Score: 18.1673
Type of gen. func.: ogf

$$\frac{8 x}{(3 x - 1) (x - 1)}$$

Sequence: A302507
Score: 20.1314
Type of gen. func.: ogf

$$\frac{8 x}{(3 x - 1) (x - 1)}$$

Sequence: A302507
Score: 9.19580
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) + 3 a(n), a(0) = 0, a(1) = 8\}$$

Sequence: A302510
Score: 9.35269
Type of gen. func.: ogf

$$\frac{4 x^6 - 4 x^5 - 2 x^4 + 2 x^3 - 8 x^2 - 3}{x^4 + x - 1}$$

Sequence: A302510
Score: 9.83855
Type of gen. func.: ogf

$$\frac{4 x^6 - 4 x^5 - 2 x^4 + 2 x^3 - 8 x^2 - 3}{x^4 + x - 1}$$

Sequence: A302511
Score: 5.72889
Type of gen. func.: ogf

$$- \frac{x^9 + 7 x^8 + 8 x^7 + 7 x^6 - x^5 - 3 x^3 - 10 x^2 - 5}{(x^3 + x^2 + x - 1) (x^4 - x^2 - 1)}$$

Sequence: A302511
Score: 6.10457
Type of gen. func.: ogf

$$-\frac{x^9+7x^8+8x^7+7x^6-x^5-3x^3-10x^2-5}{(x^3+x^2+x-1)(x^4-x^2-1)}$$

Sequence: A302512
Score: 4.04257
Type of gen. func.: ogf

$$-(32x^{10}-44x^9+16x^8-10x^7+58x^6-48x^5+12x^4-33x^3+14x^2-x+8) / ((x-1)(8x^8+8x^7+4x^6-8x^5-6x^4-6x^3+1))$$

Sequence: A302512
Score: 4.42156
Type of gen. func.: ogf

$$-(32x^{10}-44x^9+16x^8-10x^7+58x^6-48x^5+12x^4-33x^3+14x^2-x+8) / ((x-1)(8x^8+8x^7+4x^6-8x^5-6x^4-6x^3+1))$$

Sequence: A302513
Score: 4.02162
Type of gen. func.: ogf

$$(6x^{11}+35x^{10}+84x^9+156x^8-5x^7-45x^6-157x^5-24x^4-50x^3+39x^2+13) / (3x^8+6x^7+8x^6-3x^5-5x^4-6x^3-x+1)$$

Sequence: A302513
Score: 4.11625
Type of gen. func.: ogf

$$(6x^{11}+35x^{10}+84x^9+156x^8-5x^7-45x^6-157x^5-24x^4-50x^3$$

$$+ 39 x^2 + 13) \Big/ (3 x^8 + 6 x^7 + 8 x^6 - 3 x^5 - 5 x^4 - 6 x^3 - x + 1)$$

Sequence: A302516
Score: 7.39121
Type of gen. func.: ogf

$$\frac{8 x^6 + 7 x^5 + 18 x^4 + 4 x^3 - 7 x^2 - 4}{(2 x - 1) (x + 1) (2 x^2 + 1)}$$

Sequence: A302516
Score: 8.04822
Type of gen. func.: ogf

$$\frac{8 x^6 + 7 x^5 + 18 x^4 + 4 x^3 - 7 x^2 - 4}{(2 x - 1) (x + 1) (2 x^2 + 1)}$$

Sequence: A302517
Score: 4.60808
Type of gen. func.: ogf

$$\frac{5 x^9 + 16 x^8 + 49 x^7 + 36 x^6 - 33 x^5 - 59 x^4 - 11 x^3 - 5 x^2 - 2 x + 8}{4 x^7 + 5 x^6 + x^5 - 5 x^4 - 3 x^3 - x^2 - x + 1}$$

Sequence: A302517
Score: 4.73014
Type of gen. func.: ogf

$$\frac{5 x^9 + 16 x^8 + 49 x^7 + 36 x^6 - 33 x^5 - 59 x^4 - 11 x^3 - 5 x^2 - 2 x + 8}{4 x^7 + 5 x^6 + x^5 - 5 x^4 - 3 x^3 - x^2 - x + 1}$$

Sequence: A302537
Score: 13.4069
Type of gen. func.: ogf

$$\frac{5x^2 - 5x - 1}{(x - 1)^3}$$

Sequence: A302537
Score: 19.9468
Type of gen. func.: ogf

$$\frac{5x^2 - 5x - 1}{(x - 1)^3}$$

Sequence: A302537
Score: 7.11148
Type of gen. func.: ogf

$$(11 f(x) - 1131) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 5 x^2 - f(x) + 5 x + 1)$$

Sequence: A302537
Score: 7.23735
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 8, a(2) = 16\}$$

Sequence: A302556
Score: 7.45383
Type of gen. func.: ogf

$$- \frac{x (8 x^8 - 10 x^7 + 8 x^6 - 10 x^5 + 8 x^4 - 10 x^3 + 8 x^2 - 10 x - 1)}{(x - 1) (10 x^9 - 1)}$$

Sequence: A302559
Score: 12.2179
Type of gen. func.: ogf

3   2

$$\frac{543 x + 1993 x + 595 x + 1}{(x - 1)^{6}}$$

Sequence: A302560
Score: 18.7538
Type of gen. func.: ogf

$$- \frac{6 x^{2} + 8 x + 1}{(x - 1)^{5}}$$

Sequence: A302561
Score: 13.4692
Type of gen. func.: ogf

$$\frac{107 x^{3} + 357 x^{2} + 115 x + 1}{(x - 1)^{6}}$$

Sequence: A302562
Score: 15.2221
Type of gen. func.: ogf

$$\frac{9 x^{3} + 43 x^{2} + 19 x + 1}{(x - 1)^{6}}$$

Sequence: A302563
Score: 11.8603
Type of gen. func.: ogf

$$- \frac{x^{12} - x^{11} + x^{2} - 9 x - 1}{(x - 1)^{2}}$$

Sequence: A302576
Score: 16.0107

Type of gen. func.: ogf

$$-\frac{10\,(3\,x-1)}{(x-1)^3}$$

Sequence: A302576
Score: 22.0147
Type of gen. func.: lgdogf

$$-\frac{6\,x}{3\,x^2-4\,x+1}$$

Sequence: A302576
Score: 23.1734
Type of gen. func.: ogf

$$-\frac{10\,(3\,x-1)}{(x-1)^3}$$

Sequence: A302576
Score: 7.79281
Type of gen. func.: ogf

$$-(86\,f(x)-2785)\,(f(x)\,x^3-3\,f(x)\,x^2+3\,f(x)\,x-f(x)+30\,x-10)$$

Sequence: A302576
Score: 7.79281
Type of gen. func.: ogf

$$\{a(n+3)-3\,a(n+2)+3\,a(n+1)-a(n),\ a(0)=-10,\ a(1)=0,\ a(2)=30\}$$

Sequence: A302588
Score: 4.3341
Type of gen. func.: ogf

$$f(x)^2\,(f(x)\,x^5-2\,f(x)\,x^4+f(x)\,x^3+4\,x^4-f(x)\,x^2+x^3+2\,f(x)\,x+x^2$$

$- f(x) + 1)$

Sequence: A302588
Score: 8.49934
Type of gen. func.: ogf

$$-\frac{4 x^{4} + x^{3} + x^{2} + 1}{(x^{2} + x + 1) (x - 1)^{3}}$$

Sequence: A302588
Score: 9.70175
Type of gen. func.: ogf

$$-\frac{90200 x^{16} + 133060 x^{12} + 27612 x^{6} + 624 x^{4} + 544 x^{2} + 220 x + 341}{x - 1}$$

Sequence: A302603
Score: 6.8994
Type of gen. func.: ogf

$$\frac{3 x^{5} - 2 x^{4} + 7 x^{3} - 16 x^{2} + 14 x - 4}{(x - 1) (2 x - 1) (x^{2} + 1) (x^{2} + x - 1)}$$

Sequence: A302603
Score: 7.14803
Type of gen. func.: ogf

$$\frac{3 x^{5} - 2 x^{4} + 7 x^{3} - 16 x^{2} + 14 x - 4}{(x - 1) (2 x - 1) (x^{2} + 1) (x^{2} + x - 1)}$$

Sequence: A302612
Score: 13.6544
Type of gen. func.: ogf

4   3   2

$$\frac{10 x - 6 x + 9 x - 4 x + 1}{(x - 1)^{6}}$$

Sequence: A302612
Score: 7.54246
Type of gen. func.: ogf

$$\frac{10 x^{4} - 6 x^{3} + 9 x^{2} - 4 x + 1}{(x - 1)^{6}}$$

Sequence: A302612
Score: 7.68891
Type of gen. func.: lgdogf

$$- \frac{20 x^{4} + 22 x^{3} + 18 x^{2} - 2 x + 2}{10 x^{5} - 16 x^{4} + 15 x^{3} - 13 x^{2} + 5 x - 1}$$

Sequence: A302618
Score: 3.96263
Type of gen. func.: ogf

$$(16 x^{10} - 8 x^{9} + 8 x^{8} - 16 x^{7} + 14 x^{6} + 29 x^{5} - 28 x^{4} - 12 x^{3} - 13 x^{2} + 9 x + 4) / (4 x^{9} + 4 x^{7} - x^{6} + 4 x^{5} + 4 x^{4} - 4 x^{3} - x^{2} - 2 x + 1)$$

Sequence: A302618
Score: 4.05641
Type of gen. func.: ogf

$$(16 x^{10} - 8 x^{9} + 8 x^{8} - 16 x^{7} + 14 x^{6} + 29 x^{5} - 28 x^{4} - 12 x^{3} - 13 x^{2} + 9 x + 4) / (4 x^{9} + 4 x^{7} - x^{6} + 4 x^{5} + 4 x^{4} - 4 x^{3} - x^{2} - 2 x + 1)$$

Sequence: A302619
Score: 3.93687
Type of gen. func.: ogf

$$(61 x^9 + 30 x^8 - 118 x^7 - 132 x^6 + 9 x^5 + 112 x^4 + 74 x^3 + 16 x^2 - 29 x - 8) / ((x - 1) (5 x^7 + 7 x^6 - 8 x^4 - 9 x^3 - 3 x^2 + 1))$$

Sequence: A302619
Score: 4.2397
Type of gen. func.: ogf

$$(61 x^9 + 30 x^8 - 118 x^7 - 132 x^6 + 9 x^5 + 112 x^4 + 74 x^3 + 16 x^2 - 29 x - 8) / ((x - 1) (5 x^7 + 7 x^6 - 8 x^4 - 9 x^3 - 3 x^2 + 1))$$

Sequence: A302624
Score: 6.16357
Type of gen. func.: ogf

$$\frac{2 x^7 - x^6 + 13 x^5 - 28 x^4 - 9 x^3 - 25 x^2 + 17 x + 4}{(x - 1) (2 x - 1) (x^2 + x + 1)}$$

Sequence: A302624
Score: 6.86798
Type of gen. func.: ogf

$$\frac{2 x^7 - x^6 + 13 x^5 - 28 x^4 - 9 x^3 - 25 x^2 + 17 x + 4}{(x - 1) (2 x - 1) (x^2 + x + 1)}$$

Sequence: A302625
Score: 3.59807
Type of gen. func.: ogf

$$- (24 x^{10} - 60 x^9 + 115 x^8 - 22 x^7 + 53 x^6 - 205 x^5 - 191 x^4 - 119 x^3 - 26 x^2$$

/ 2 5 4 3 2

$$+ 73 x + 8) / ((x - 1) (x + x + 1) (2 x - 2 x - x - 2 x - x + 1))$$

Sequence: A302625
Score: 3.75798
Type of gen. func.: ogf

$$-\left(24 x^{10} - 60 x^{9} + 115 x^{8} - 22 x^{7} + 53 x^{6} - 205 x^{5} - 191 x^{4} - 119 x^{3} - 26 x^{2} + 73 x + 8\right) / \left((x - 1) (x^{2} + x + 1) (2 x^{5} - 2 x^{4} - x^{3} - 2 x^{2} - x + 1)\right)$$

Sequence: A302630
Score: 3.86082
Type of gen. func.: ogf

$$\left(32 x^{12} + 16 x^{11} + 32 x^{10} - 32 x^{9} + 4 x^{8} - 40 x^{7} + 20 x^{6} + 2 x^{5} + 46 x^{4} + 16 x^{3} + x^{2} - 6 x - 3\right) / \left(4 x^{9} + 4 x^{7} - 10 x^{6} + 2 x^{5} - 4 x^{4} + 9 x^{3} + x - 1\right)$$

Sequence: A302630
Score: 3.94614
Type of gen. func.: ogf

$$\left(32 x^{12} + 16 x^{11} + 32 x^{10} - 32 x^{9} + 4 x^{8} - 40 x^{7} + 20 x^{6} + 2 x^{5} + 46 x^{4} + 16 x^{3} + x^{2} - 6 x - 3\right) / \left(4 x^{9} + 4 x^{7} - 10 x^{6} + 2 x^{5} - 4 x^{4} + 9 x^{3} + x - 1\right)$$

Sequence: A302636
Score: 6.79391
Type of gen. func.: ogf

$$\frac{(x - 1) (x^{5} + x^{4} - 4 x^{3} - 4 x^{2} - 6 x - 4)}{(x^{2} + 1) (x^{3} - 2 x^{2} - x + 1)}$$

Sequence: A302636

Score: 8.71219
Type of gen. func.: ogf

$$\frac{(x-1)(x^5+x^4-4x^3-4x^2-6x-4)}{(x^2+1)(x^3-2x^2-x+1)}$$

Sequence: A302644
Score: 5.19861
Type of gen. func.: ogf

$$-\frac{56x^6-36x^5+64x^4-46x^3+24x^2-7x+1}{(x-1)^9}$$

Sequence: A302644
Score: 9.76323
Type of gen. func.: ogf

$$-\frac{56x^6-36x^5+64x^4-46x^3+24x^2-7x+1}{(x-1)^9}$$

Sequence: A302645
Score: 3.50942
Type of gen. func.: ogf

$$x(330x^8-220x^7+430x^6-390x^5+281x^4-140x^3+48x^2-10x+1)\Big/(x-1)^{12}$$

Sequence: A302645
Score: 7.14881
Type of gen. func.: ogf

$$x(330x^8-220x^7+430x^6-390x^5+281x^4-140x^3+48x^2-10x+1)\Big/(x-1)^{12}$$

Sequence: A302647
Score: 10.9745
Type of gen. func.: lgdogf

$$-\frac{-6x^3-9x^2-12x-3}{-x^4-x^3+x+1}$$

Sequence: A302647
Score: 13.1334
Type of gen. func.: ogf

$$-\frac{2x^2(x^2+x+1)}{(x+1)^3(x-1)^5}$$

Sequence: A302647
Score: 31.8450
Type of gen. func.: ogf_with_Euler_transform]

$$-x^2+3x+3$$

Sequence: A302647
Score: 4.85537
Type of gen. func.: ogf

$$\{(-n^2-9n-20)\,a(n+1)+(-6-2n)\,a(n+2)+(n^2+3n+2)\,a(n+3),$$

$$a(0)=0,\ a(1)=0,\ a(2)=2\}$$

Sequence: A302647
Score: 7.93204
Type of gen. func.: ogf

$$-\frac{2x^2(x^2+x+1)}{(x+1)^3(x-1)^5}$$

Sequence: A302650
Score: 10.1333
Type of gen. func.: lgdogf

$$-\frac{-4 x^{3} + 27 x^{2} + 6 x + 1}{-2 x^{4} + 13 x^{3} - 15 x^{2} + 5 x - 1}$$

Sequence: A302650
Score: 16.8213
Type of gen. func.: ogf

$$\frac{2 x^{3} - 11 x^{2} + 4 x - 1}{(x - 1)^{5}}$$

Sequence: A302650
Score: 4.42666
Type of gen. func.: ogf

$$\{(53 n^{2} + 393 n + 702) a(n + 1) + (-108 n^{2} - 609 n - 719) a(n + 2)$$
$$+ (55 n^{2} + 208 n + 129) a(n + 3), a(0) = 1, a(1) = 1, a(2) = 6\}$$

Sequence: A302650
Score: 9.55756
Type of gen. func.: ogf

$$\frac{2 x^{3} - 11 x^{2} + 4 x - 1}{(x - 1)^{5}}$$

Sequence: A302653
Score: 6.08043
Type of gen. func.: ogf

11   10   9   8   7   6   5   4   3   2

$$-\frac{4x - x + x - 3x - 8x - 2x + 6x + 2x + 4x + 3x + x + 1}{(x-1)^3 (x+1)^3 (x^2+1)^3}$$

Sequence: A302653
Score: 6.38446
Type of gen. func.: ogf

$$-\frac{4x^{11} - x^{10} + x^9 - 3x^8 - 8x^7 - 2x^6 + 6x^5 + 2x^4 + 4x^3 + 3x^2 + x + 1}{(x-1)^3 (x+1)^3 (x^2+1)^3}$$

Sequence: A302654
Score: 6.46378
Type of gen. func.: ogf

$$-\frac{x (x^{10} + x^9 - x^7 - 2x^6 - 3x^5 + x^4 + x^3 + x^2 + 2x + 1)}{(x-1)^3 (x+1)^3 (x^2+1)^3}$$

Sequence: A302654
Score: 6.76677
Type of gen. func.: ogf

$$-\frac{x (x^{10} + x^9 - x^7 - 2x^6 - 3x^5 + x^4 + x^3 + x^2 + 2x + 1)}{(x-1)^3 (x+1)^3 (x^2+1)^3}$$

Sequence: A302655
Score: 6.23277
Type of gen. func.: ogf

$$-\frac{x (x+1) (x^6 + x^5 - x^3 - x - 1)}{(x^3 + x^2 - 1) (x^6 - x^2 - 1)}$$

Sequence: A302655
Score: 7.33591

Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^6 + x^5 - x^3 - x - 1)}{(x^3 + x^2 - 1) (x^6 - x^2 - 1)}$$

Sequence: A302658
Score: 5.06353
Type of gen. func.: ogf

$$-\frac{9 x^{10} - 11 x^9 - 8 x^8 + 2 x^7 + 8 x^6 + x^5 + x^4 + 3 x^3 - 3 x^2 - 1}{(x^3 + x^2 - 1) (x^6 - x^2 - 1) (x - 1)^2}$$

Sequence: A302658
Score: 5.39021
Type of gen. func.: ogf

$$-\frac{9 x^{10} - 11 x^9 - 8 x^8 + 2 x^7 + 8 x^6 + x^5 + x^4 + 3 x^3 - 3 x^2 - 1}{(x^3 + x^2 - 1) (x^6 - x^2 - 1) (x - 1)^2}$$

Sequence: A302675
Score: 11.4438
Type of gen. func.: ogf

$$\frac{4 x^4 + 4 x^3 - 2 x^2 - 3}{x^2 + x - 1}$$

Sequence: A302675
Score: 12.1942
Type of gen. func.: ogf

$$\frac{4 x^4 + 4 x^3 - 2 x^2 - 3}{x^2 + x - 1}$$

Sequence: A302675
Score: 6.41249
Type of gen. func.: ogf

$$-(4325 f(x) - 37552) (-4 x^4 + f(x) x^2 - 4 x^3 + f(x) x + 2 x^2 - f(x) + 3)$$

Sequence: A302676
Score: 7.75000
Type of gen. func.: ogf

$$\frac{2 x^7 + 3 x^6 - 4 x^5 - 6 x^4 - 2 x^3 - 3 x^2 + 5}{x^4 - 2 x^2 - x + 1}$$

Sequence: A302676
Score: 8.56944
Type of gen. func.: ogf

$$\frac{2 x^7 + 3 x^6 - 4 x^5 - 6 x^4 - 2 x^3 - 3 x^2 + 5}{x^4 - 2 x^2 - x + 1}$$

Sequence: A302677
Score: 5.27318
Type of gen. func.: ogf

$$\frac{4 x^9 + 4 x^8 + 14 x^7 + 8 x^6 + 22 x^5 + 4 x^4 + 12 x^3 - 11 x^2 + x - 8}{2 x^5 + 2 x^4 + 3 x^3 + x - 1}$$

Sequence: A302677
Score: 5.44192
Type of gen. func.: ogf

$$\frac{4 x^9 + 4 x^8 + 14 x^7 + 8 x^6 + 22 x^5 + 4 x^4 + 12 x^3 - 11 x^2 + x - 8}{2 x^5 + 2 x^4 + 3 x^3 + x - 1}$$

Sequence: A302678
Score: 4.45682
Type of gen. func.: ogf

$$(2 x^{11} + 4 x^{10} - 2 x^{9} + 4 x^{8} + 20 x^{7} - 7 x^{6} - 33 x^{5} - 34 x^{4} - 42 x^{3} + x^{2} + 13) / (x^{6} + 2 x^{5} - x^{4} - 4 x^{3} - 2 x^{2} - x + 1)$$

Sequence: A302678
Score: 4.5711
Type of gen. func.: ogf

$$(2 x^{11} + 4 x^{10} - 2 x^{9} + 4 x^{8} + 20 x^{7} - 7 x^{6} - 33 x^{5} - 34 x^{4} - 42 x^{3} + x^{2} + 13) / (x^{6} + 2 x^{5} - x^{4} - 4 x^{3} - 2 x^{2} - x + 1)$$

Sequence: A302681
Score: 7.95978
Type of gen. func.: ogf

$$\frac{2 (3 x^{6} + 7 x^{5} + 9 x^{4} + 4 x^{3} - 2 x^{2} - 2)}{3 x^{4} + 3 x^{3} + x - 1}$$

Sequence: A302681
Score: 8.13864
Type of gen. func.: ogf

$$\frac{2 (3 x^{6} + 7 x^{5} + 9 x^{4} + 4 x^{3} - 2 x^{2} - 2)}{3 x^{4} + 3 x^{3} + x - 1}$$

Sequence: A302682
Score: 4.23494
Type of gen. func.: ogf

10 9 8 7 6 5 4 3 2

$$(6 x - 7 x - 2 x + 11 x - 18 x + 15 x + 67 x + 33 x + 7 x + 2 x - 8) / (2 x^{7} - 3 x^{6} - 3 x^{5} + 5 x^{4} + 5 x^{3} + x^{2} + x - 1)$$

Sequence: A302682
Score: 4.34148
Type of gen. func.: ogf

$$(6 x^{10} - 7 x^{9} - 2 x^{8} + 11 x^{7} - 18 x^{6} + 15 x^{5} + 67 x^{4} + 33 x^{3} + 7 x^{2} + 2 x - 8) / (2 x^{7} - 3 x^{6} - 3 x^{5} + 5 x^{4} + 5 x^{3} + x^{2} + x - 1)$$

Sequence: A302689
Score: 10.0295
Type of gen. func.: lgdogf

$$- \frac{-10 x^{3} + 6 x^{2}}{-10 x^{4} + 23 x^{3} - 19 x^{2} + 7 x - 1}$$

Sequence: A302689
Score: 12.2942
Type of gen. func.: ogf

$$- \frac{2 (5 x^{2} - 4 x + 1)}{(2 x - 1) (x - 1)^{2}}$$

Sequence: A302689
Score: 13.3726
Type of gen. func.: ogf

$$- \frac{2 (5 x^{2} - 4 x + 1)}{(2 x - 1) (x - 1)^{2}}$$

Sequence: A302689
Score: 6.92945
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 2, a(1) = 0, a(2) = 0\}$$

Sequence: A302689
Score: 8.46932
Type of gen. func.: ogf

$$-2 f(x) x^3 + 5 f(x) x^2 - 4 f(x) x - 10 x^2 + f(x) + 8 x - 2$$

Sequence: A302695
Score: 10.8116
Type of gen. func.: ogf

$$-\frac{x (x^5 + 3 x^4 + 16 x^3 + 20 x^2 + 15 x + 5)}{(x - 1)^7}$$

Sequence: A302695
Score: 6.41938
Type of gen. func.: ogf

$$-\frac{x (x^5 + 3 x^4 + 16 x^3 + 20 x^2 + 15 x + 5)}{(x - 1)^7}$$

Sequence: A302709
Score: 10.3334
Type of gen. func.: ogf

$$\frac{x (x^3 + 4 x^2 - 15 x - 6)}{(x - 1)^5}$$

Sequence: A302709
Score: 11.3175
Type of gen. func.: lgdogf

$$-\frac{-2 x^3 - 15 x^2 + 52 x + 45}{-x^4 - 3 x^3 + 19 x^2 - 9 x - 6}$$

Sequence: A302709
Score: 17.6051
Type of gen. func.: ogf

$$\frac{x (x^3 + 4 x^2 - 15 x - 6)}{(x - 1)^5}$$

Sequence: A302709
Score: 4.80138
Type of gen. func.: ogf

$$\{(-202 n^2 - 823 n - 838) a(n + 1) + (1086 n^2 + 7185 n + 13464) a(n + 2)$$
$$+ (-884 n^2 - 3634 n - 3732) a(n + 3), a(0) = 0, a(1) = 6, a(2) = 45\}$$

Sequence: A302710
Score: 10.1720
Type of gen. func.: ogf

$$\frac{x (4 x^3 - 5 x^2 - 14 x - 1)}{(x - 1)^5}$$

Sequence: A302710
Score: 11.2749
Type of gen. func.: lgdogf

$$-\frac{-8 x^3 + 3 x^2 + 66 x + 19}{-4 x^4 + 9 x^3 + 9 x^2 - 13 x - 1}$$

Sequence: A302710
Score: 17.33
Type of gen. func.: ogf

$$\frac{x(4x^3-5x^2-14x-1)}{(x-1)^5}$$

Sequence: A302710
Score: 4.77459
Type of gen. func.: ogf

$$\{(-80n^2+236n+792)a(n+1)+(918n^2+5643n+11052)a(n+2)$$

$$+(-838n^2-2847n-2342)a(n+3), a(0)=0, a(1)=1, a(2)=19\}$$

Sequence: A302736
Score: 6.45472
Type of gen. func.: ogf

$$-\frac{4(6x^4+4x^3+x^2-x-1)}{16x^5+20x^4-2x^3-2x^2-7x+1}$$

Sequence: A302736
Score: 6.59061
Type of gen. func.: ogf

$$-\frac{4(6x^4+4x^3+x^2-x-1)}{16x^5+20x^4-2x^3-2x^2-7x+1}$$

Sequence: A302742
Score: 4.81622
Type of gen. func.: ogf

$$-\frac{12x^7+6x^6-6x^5-x^4-19x^3-12x^2+4x+4}{14x^7-9x^6-3x^4-17x^3+4x^2+7x-1}$$

Sequence: A302742
Score: 4.81622
Type of gen. func.: ogf

$$-\frac{12 x^{7} + 6 x^{6} - 6 x^{5} - x^{4} - 19 x^{3} - 12 x^{2} + 4 x + 4}{14 x^{7} - 9 x^{6} - 3 x^{4} - 17 x^{3} + 4 x^{2} + 7 x - 1}$$

Sequence: A302757
Score: 12.6051
Type of gen. func.: ogf

$$-\frac{4 x^{2} - 3 x + 1}{(4 x - 1) (x - 1)^{2}}$$

Sequence: A302757
Score: 13.4897
Type of gen. func.: ogf

$$-\frac{4 x^{2} - 3 x + 1}{(4 x - 1) (x - 1)^{2}}$$

Sequence: A302757
Score: 6.80452
Type of gen. func.: ogf

$$(57 f(x) - 28) (4 f(x) x^{3} - 9 f(x) x^{2} + 6 f(x) x + 4 x^{2} - f(x) - 3 x + 1)$$

Sequence: A302757
Score: 6.80453
Type of gen. func.: ogf

$\{a(n + 3) - 6 a(n + 2) + 9 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 3, a(2) = 13\}$

Sequence: A302757
Score: 9.15371
Type of gen. func.: lgdogf

$$-\frac{16 x^{3} - 8 x^{2} + 7 x - 3}{16 x^{4} - 32 x^{3} + 23 x^{2} - 8 x + 1}$$

Sequence: A302758
Score: 11.2051
Type of gen. func.: ogf

$$-\frac{x (3 x^{4} + 3 x^{3} + 7 x^{2} + 2 x + 1)}{(x + 1)^{4} (x - 1)^{5}}$$

Sequence: A302758
Score: 6.68833
Type of gen. func.: ogf

$$-\frac{x (3 x^{4} + 3 x^{3} + 7 x^{2} + 2 x + 1)}{(x + 1)^{4} (x - 1)^{5}}$$

Sequence: A302759
Score: 4.43523
Type of gen. func.: ogf

$$\frac{256 x^{7} - 672 x^{6} + 928 x^{5} - 706 x^{4} + 334 x^{3} - 88 x^{2} + 12 x - 1}{(8 x - 1) (x - 1) (4 x - 1)^{2} (2 x - 1)^{3}}$$

Sequence: A302759
Score: 5.56982
Type of gen. func.: ogf

$$\frac{256 x^{7} - 672 x^{6} + 928 x^{5} - 706 x^{4} + 334 x^{3} - 88 x^{2} + 12 x - 1}{\qquad\qquad{}^{2}\qquad\qquad{}^{3}}$$

$$(8x-1)(x-1)(4x-1)(2x-1)$$

Sequence: A302760
Score: 7.58977
Type of gen. func.: ogf

$$-\frac{7x^6-12x^3+18x^2+2x+3}{x^7-3x^4+6x^3+x^2+3x-1}$$

Sequence: A302760
Score: 7.58978
Type of gen. func.: ogf

$$-\frac{7x^6-12x^3+18x^2+2x+3}{x^7-3x^4+6x^3+x^2+3x-1}$$

Sequence: A302761
Score: 6.84375
Type of gen. func.: ogf

$$\frac{4x^4-30x^3+26x^2-7x+1}{(4x-1)(2x-1)^2(x-1)^3}$$

Sequence: A302761
Score: 9.15247
Type of gen. func.: ogf

$$\frac{4x^4-30x^3+26x^2-7x+1}{(4x-1)(2x-1)^2(x-1)^3}$$

Sequence: A302762
Score: 6.43221
Type of gen. func.: ogf

$$-\frac{x^{7}-2x^{6}-15x^{5}+27x^{4}-15x^{3}+x^{2}+x-1}{(x-1)^{6}}$$

Sequence: A302762
Score: 9.57522
Type of gen. func.: ogf

$$-\frac{x^{7}-2x^{6}-15x^{5}+27x^{4}-15x^{3}+x^{2}+x-1}{(x-1)^{6}}$$

Sequence: A302766
Score: 11.0295
Type of gen. func.: ogf

$$\frac{x\,(x^{4}+3x^{3}+13x^{2}+6x+5)}{(x+1)^{3}\,(x-1)^{4}}$$

Sequence: A302766
Score: 7.15947
Type of gen. func.: ogf

$$\frac{x\,(x^{4}+3x^{3}+13x^{2}+6x+5)}{(x+1)^{3}\,(x-1)^{4}}$$

Sequence: A302769
Score: 4.8238
Type of gen. func.: egf]

$$\frac{-2/3\, I \left(\mathrm{Pi}\, 3^{1/2} + 6\, I\, 3^{1/2} \operatorname{arctanh}\left(\frac{3^{1/2}\,(4\,x-1)^{1/2}}{3}\right) - 6\, I\, (4\,x-1)^{1/2}\right)}{(4\,x-1)^{3/2}}$$

Sequence: A302773
Score: 7.89339
Type of gen. func.: ogf

$$\frac{x^7 + x^6 + 7 x^5 + 5 x^4 + 11 x^3 + 2 x^2 + 5 x + 1}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A302773
Score: 8.85993
Type of gen. func.: ogf

$$\frac{x^7 + x^6 + 7 x^5 + 5 x^4 + 11 x^3 + 2 x^2 + 5 x + 1}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A302774
Score: 3.82442
Type of gen. func.: ogf

$$\frac{3 x^6 - 3 x^5 - 2 x^4 + 2 x^2 - x - 1}{(x + 1) (3 x^2 - 1) (x - 1)^2}$$

Sequence: A302774
Score: 4.15339
Type of gen. func.: ogf

$$\frac{3 x^6 - 3 x^5 - 2 x^4 + 2 x^2 - x - 1}{(x + 1) (3 x^2 - 1) (x - 1)^2}$$

Sequence: A302803
Score: 6.34964
Type of gen. func.: ogf

$$\frac{72 x^5 - 96 x^4 - 100 x^3 - 5 x^2 + 5 x + 4}{(6 x - 1) (24 x^3 - 1)}$$

Sequence: A302803
Score: 6.79265
Type of gen. func.: ogf

$$\frac{72 x^{5} - 96 x^{4} - 100 x^{3} - 5 x^{2} + 5 x + 4}{(6 x - 1) (24 x^{3} - 1)}$$

Sequence: A302832
Score: 13.6397
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{4} - x^{2} + x + 2}{-x^{4} + 2 x^{2} - 1}$$

Sequence: A302832
Score: 14.6346
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^{4} - x^{2} + x + 2}{(x - 1)^{2} (x + 1)^{2}}$$

Sequence: A302856
Score: 12.2257
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{32 x^{2} - 32 x + 64}{-x^{3} - x^{2} - x - 1}$$

Sequence: A302856
Score: 12.8129
Type of gen. func.: ogf_with_Euler_transform]

2

```
                                32 (x  - x + 2)
                                ----------------
                                          2
                                (x + 1) (x  + 1)
```

Sequence: A302865
Score: 4.47829
Type of gen. func.: egf]

```
       /              1/2                   1/2          1/2
       | 1/2         5          1/2        5    (4 x - 1)                1/2|
     8 |5    arctanh(----) I - 5    arctan(-----------------) + (4 x - 1)   |
                     5                            5                        /
   - -------------------------------------------------------------------------
                                            3/2
                                   (4 x - 1)
```

Sequence: A302870
Score: 8.84893
Type of gen. func.: lgdegf]

```
                                3      2
                              -x  - 9 x  - 19 x - 8
                            - ---------------------
                                3      2
                              -x  - 6 x  - 7 x - 1
```

Sequence: A302870
Score: 8.84894
Type of gen. func.: lgdegf]

```
                                3      2
                               x  + 9 x  + 19 x + 8
                             - --------------------
                                3      2
                               x  + 6 x  + 7 x + 1
```

Sequence: A302884
Score: 3.98191
Type of gen. func.: ogf

```
             9      8       7      6       5       4       2
          8 x  + 8 x  + 12 x  + 6 x  - 13 x  - 15 x  - 10 x  + 8 x + 1
     - --------------------------------------------------------------------
                           8      7      6      4      3      2
       (x - 1) (x + 1) (4 x  + 8 x  + 8 x  + 5 x  - 9 x  + 2 x  - 4 x + 1)
```

Sequence: A302884
Score: 4.00548
Type of gen. func.: ogf

$$-\frac{8x^9+8x^8+12x^7+6x^6-13x^5-15x^4-10x^2+8x+1}{(x-1)(x+1)(4x^8+8x^7+8x^6+5x^4-9x^3+2x^2-4x+1)}$$

Sequence: A302906
Score: 14.1848
Type of gen. func.: ogf

$$\frac{x(4x-9)}{(x-1)^3}$$

Sequence: A302906
Score: 16.1706
Type of gen. func.: lgdogf

$$-\frac{-8x+23}{-4x^2+13x-9}$$

Sequence: A302906
Score: 21.8522
Type of gen. func.: ogf

$$\frac{x(4x-9)}{(x-1)^3}$$

Sequence: A302906
Score: 7.09238
Type of gen. func.: ogf

$$(6225 f(x)-64477)(f(x)x^3-3f(x)x^2+3f(x)x-4x^2-f(x)+9x)$$

Sequence: A302906
Score: 7.21904

Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 9, a(2) = 23\}$$

Sequence: A302908
Score: 8.67835
Type of gen. func.: lgdegf]

$$-\frac{x^3 + 12 x^2 + 36 x + 24}{x^3 + 9 x^2 + 18 x + 6}$$

Sequence: A302908
Score: 8.67836
Type of gen. func.: lgdegf]

$$-\frac{-x^3 - 12 x^2 - 36 x - 24}{-x^3 - 9 x^2 - 18 x - 6}$$

Sequence: A302909
Score: 6.30906
Type of gen. func.: ogf

$$\{(3 n^2 + 17 n + 22) a(n + 1) - 2 a(n + 2), a(0) = 1, a(1) = 4\}$$

Sequence: A302910
Score: 6.64856
Type of gen. func.: ogf

$$\{(2 n^2 + 11 n + 14) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 5\}$$

Sequence: A302911
Score: 5.96877
Type of gen. func.: ogf

$$\{(5 n^2 + 27 n + 34) a(n + 1) - 2 a(n + 2), a(0) = 1, a(1) = 6\}$$

Sequence: A302912
Score: 6.10693
Type of gen. func.: ogf

$$\{(3 n^2 + 16 n + 20) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 7\}$$

Sequence: A302913
Score: 6.27272
Type of gen. func.: ogf

$$\{(7 n^2 + 37 n + 46) a(n + 1) - 2 a(n + 2), a(0) = 1, a(1) = 8\}$$

Sequence: A302914
Score: 6.46616
Type of gen. func.: ogf

$$\{(4 n^2 + 21 n + 26) a(n + 1) - a(n + 2), a(0) = 1, a(1) = 9\}$$

Sequence: A302941
Score: 10.1078
Type of gen. func.: ogf

$$-\frac{4 x^2 - 31 x - 9}{(x + 1) (x^2 - 11 x + 1)}$$

Sequence: A302941
Score: 10.5816
Type of gen. func.: ogf

$$-\frac{4 x^2 - 31 x - 9}{(x + 1) (x^2 - 11 x + 1)}$$

Sequence: A302941

Score: 5.41777
Type of gen. func.: ogf

$$(6121323 f(x) + 905173)$$

$$(f(x) x^3 - 10 f(x) x^2 - 10 f(x) x + 4 x^2 + f(x) - 31 x - 9)$$

Sequence: A302941
Score: 5.69093
Type of gen. func.: ogf

$$\{-a(n + 3) + 10 a(n + 2) + 10 a(n + 1) - a(n), a(0) = 9, a(1) = 121,$$

$$a(2) = 1296\}$$

Sequence: A302941
Score: 6.21304
Type of gen. func.: lgdogf

$$- \frac{4 x^4 - 62 x^3 + 323 x^2 + 172 x + 121}{4 x^5 - 71 x^4 + 261 x^3 + 404 x^2 + 59 x - 9}$$

Sequence: A302942
Score: 11.6033
Type of gen. func.: ogf

$$- \frac{2 x (5 x + 2)}{(x - 1) (8 x - 1) (2 x - 1)}$$

Sequence: A302942
Score: 12.3642
Type of gen. func.: ogf

$$- \frac{2 x (5 x + 2)}{(x - 1) (8 x - 1) (2 x - 1)}$$

Sequence: A302942
Score: 6.23318
Type of gen. func.: ogf

$$(538125 f(x) - 346789)$$

$$(16 f(x) x^{3} - 26 f(x) x^{2} + 11 f(x) x + 10 x^{2} - f(x) + 4 x)$$

Sequence: A302942
Score: 6.55838
Type of gen. func.: ogf

$$\{a(n + 3) - 11 a(n + 2) + 26 a(n + 1) - 16 a(n), a(0) = 0, a(1) = 4, a(2) = 54\}$$

Sequence: A302942
Score: 8.47431
Type of gen. func.: lgdogf

$$-\frac{-160 x^{3} + 34 x^{2} + 104 x - 27}{-80 x^{4} + 98 x^{3} - 3 x^{2} - 17 x + 2}$$

Sequence: A302944
Score: 6.22378
Type of gen. func.: egf]

$$-\frac{8 \left(3 I \operatorname{arctanh}(1/3) + (8 x - 1)^{1/2} - 3 \arctan\left(\frac{(8 x - 1)^{1/2}}{3}\right)\right)}{(8 x - 1)^{3/2}}$$

Sequence: A302946
Score: 10.9375
Type of gen. func.: ogf

$$-\frac{4 (x^{2} - 4 x - 1)}{(x + 1) (x^{2} - 6 x + 1)}$$

Sequence: A302946
Score: 11.4668
Type of gen. func.: ogf

$$-\frac{4 (x^2 - 4 x - 1)}{(x + 1) (x^2 - 6 x + 1)}$$

Sequence: A302946
Score: 6.07641
Type of gen. func.: ogf

$$(4059 f(x) + 964) (f(x) x^3 - 5 f(x) x^2 - 5 f(x) x + 4 x^2 + f(x) - 16 x - 4)$$

Sequence: A302946
Score: 6.18208
Type of gen. func.: ogf

{a(n + 3) - 5 a(n + 2) - 5 a(n + 1) + a(n), a(0) = 4, a(1) = 36, a(2) = 196}

Sequence: A302946
Score: 7.18120
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 8 x^3 - 22 x^2 - 8 x - 9}{-x^5 + 9 x^4 - 14 x^3 - 26 x^2 - x + 1}$$

Sequence: A302948
Score: 4.20264
Type of gen. func.: ogf

$$-\frac{4 x^7 - 4 x^6 - 3 x^5 - 16 x^4 + 5 x^3 + 11 x^2 + 11 x + 1}{4 x^8 - 3 x^6 - 19 x^5 - 2 x^4 + 13 x^3 + 15 x^2 + 4 x - 1}$$

Sequence: A302948
Score: 4.20265
Type of gen. func.: ogf

     7   6   5   4   3   2

$$-\frac{4x - 4x - 3x - 16x + 5x + 11x + 11x + 1}{4x^8 - 3x^6 - 19x^5 - 2x^4 + 13x^3 + 15x^2 + 4x - 1}$$

Sequence: A302954
Score: 3.90834
Type of gen. func.: ogf

$$\frac{x(2x^7 + 20x^6 + 79x^5 + 184x^4 + 147x^3 - 10x^2 - 42x - 11)}{5x^7 + 26x^6 + 68x^5 + 80x^4 + 37x^3 + 15x^2 + 4x - 1}$$

Sequence: A302954
Score: 4.01469
Type of gen. func.: ogf

$$\frac{x(2x^7 + 20x^6 + 79x^5 + 184x^4 + 147x^3 - 10x^2 - 42x - 11)}{5x^7 + 26x^6 + 68x^5 + 80x^4 + 37x^3 + 15x^2 + 4x - 1}$$

Sequence: A302960
Score: 5.65861
Type of gen. func.: ogf

$$-\frac{112x^5 - 2x^4 - 42x^3 - 21x^2 + x + 4}{64x^5 - 56x^4 - 7x^2 + 7x - 1}$$

Sequence: A302960
Score: 5.65861
Type of gen. func.: ogf

$$-\frac{112x^5 - 2x^4 - 42x^3 - 21x^2 + x + 4}{64x^5 - 56x^4 - 7x^2 + 7x - 1}$$

Sequence: A303005
Score: 14.1578

Type of gen. func.: ogf

$$-\frac{3x^2+2x+3}{x^3+x^2+x-1}$$

Sequence: A303005
Score: 14.1578
Type of gen. func.: ogf

$$-\frac{3x^2+2x+3}{x^3+x^2+x-1}$$

Sequence: A303005
Score: 7.25738
Type of gen. func.: ogf

$$-(127 f(x) + 113) (f(x) x^3 + f(x) x^2 + f(x) x + 3 x^2 - f(x) + 2 x + 3)$$

Sequence: A303005
Score: 7.64273
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1) + a(n), a(0) = 3, a(1) = 5, a(2) = 11\}$$

Sequence: A303005
Score: 8.90338
Type of gen. func.: lgdogf

$$-\frac{-3x^4-4x^3-8x^2-12x-5}{-3x^5-5x^4-8x^3-2x^2-x+3}$$

Sequence: A303007
Score: 18.5585
Type of gen. func.: lgdogf

$$\frac{30}{240 x - 1}$$

Sequence: A303007
Score: 5.27812
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) + (-210 - 240 n) a(n + 1), a(0) = 1, a(1) = -30\}$$

Sequence: A303050
Score: 4.53304
Type of gen. func.: ogf

$$-\frac{9 (1111680 x^4 - 229888 x^3 + 11424 x^2 - 192 x + 1)}{(100 x - 1) (4 x - 1) (36 x - 1) (64 x - 1) (16 x - 1)}$$

Sequence: A303050
Score: 4.77526
Type of gen. func.: ogf

$$-\frac{9 (1111680 x^4 - 229888 x^3 + 11424 x^2 - 192 x + 1)}{(100 x - 1) (4 x - 1) (36 x - 1) (64 x - 1) (16 x - 1)}$$

Sequence: A303054
Score: 4.40418
Type of gen. func.: ogf

$$- (x^{14} + x^{13} + x^{12} - 4 x^{11} - 5 x^{10} - x^9 + 6 x^8 + 11 x^7 - 6 x^6 - 4 x^5 - 11 x^4 + 11 x^3 + x^2 + 4 x + 1) / ((x - 1)^5 (x^2 + x + 1)^5)$$

Sequence: A303054
Score: 4.92539
Type of gen. func.: ogf

$$- (x^{14} + x^{13} + x^{12} - 4 x^{11} - 5 x^{10} - x^9 + 6 x^8 + 11 x^7 - 6 x^6 - 4 x^5 - 11 x^4$$

$$+ 11 x^{3} + x^{2} + 4 x + 1) \Big/ ((x - 1)^{5} (x^{2} + x + 1)^{5})$$

Sequence: A303055
Score: 17.4582
Type of gen. func.: lgdogf

$$\frac{42}{504 x - 1}$$

Sequence: A303055
Score: 4.96517
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) + (-462 - 504 n) a(n + 1), a(0) = 1, a(1) = -42\}$$

Sequence: A303108
Score: 4.88566
Type of gen. func.: egf]

$$(-2 (2 x - 1)^{1/2} - \ln((2 x - 1)^{1/2} - 1) + \ln((2 x - 1)^{1/2} + 1) + \ln(-1 + I)$$
$$- \ln(1 + I)) \Big/ (2 x - 1)^{3/2}$$

Sequence: A303109
Score: 4.36732
Type of gen. func.: egf]

$$\{(2 n^{3} + 11 n^{2} + 20 n + 12) a(n + 1) + (-3 n^{2} - 15 n - 19) a(n + 2)$$
$$+ (n + 3) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 7/2\}$$

Sequence: A303120
Score: 4.01389
Type of gen. func.: ogf

$$- \frac{x (7 x^{8} + 46 x^{7} + 224 x^{6} + 386 x^{5} + 594 x^{4} + 386 x^{3} + 224 x^{2} + 46 x + 7)}{{}^{5} \qquad {}^{7}}$$

$$(x + 1)\ (x - 1)$$

Sequence: A303120
Score: 6.50184
Type of gen. func.: ogf

$$-\frac{x\,(7 x^{8} + 46 x^{7} + 224 x^{6} + 386 x^{5} + 594 x^{4} + 386 x^{3} + 224 x^{2} + 46 x + 7)}{(x + 1)^{5}\,(x - 1)^{7}}$$

Sequence: A303148
Score: 5.92980
Type of gen. func.: ogf

$$-\frac{3 x^{8} + 4 x^{7} + x^{6} - 3 x^{5} - 2 x^{4} - x^{3} - 3 x^{2} - x - 1}{(x^{3} + x^{2} - 1)\,(x^{6} - x^{2} - 1)}$$

Sequence: A303148
Score: 6.29753
Type of gen. func.: ogf

$$-\frac{3 x^{8} + 4 x^{7} + x^{6} - 3 x^{5} - 2 x^{4} - x^{3} - 3 x^{2} - x - 1}{(x^{3} + x^{2} - 1)\,(x^{6} - x^{2} - 1)}$$

Sequence: A303183
Score: 5.56900
Type of gen. func.: ogf

$$\frac{x^{8} - 3 x^{7} + 9 x^{6} - 25 x^{5} + 22 x^{4} - 21 x^{3} + 36 x^{2} - 13 x - 4}{(x - 1)\,(x^{4} - 2 x^{3} - 2 x + 1)}$$

Sequence: A303183
Score: 5.93417
Type of gen. func.: ogf

$$\frac{x^8 - 3 x^7 + 9 x^6 - 25 x^5 + 22 x^4 - 21 x^3 + 36 x^2 - 13 x - 4}{(x - 1) (x^4 - 2 x^3 - 2 x + 1)}$$

Sequence: A303192
Score: 4.25449
Type of gen. func.: ogf

$$(16 x^{10} - 40 x^9 + 8 x^8 + 32 x^7 - 26 x^6 - 6 x^5 + 26 x^4 + 25 x^3 + 3 x^2 - 3 x - 3) \Big/ (6 x^7 - 10 x^6 + 6 x^5 - 15 x^4 + 11 x^3 - x^2 + 2 x - 1)$$

Sequence: A303192
Score: 4.35889
Type of gen. func.: ogf

$$(16 x^{10} - 40 x^9 + 8 x^8 + 32 x^7 - 26 x^6 - 6 x^5 + 26 x^4 + 25 x^3 + 3 x^2 - 3 x - 3) \Big/ (6 x^7 - 10 x^6 + 6 x^5 - 15 x^4 + 11 x^3 - x^2 + 2 x - 1)$$

Sequence: A303212
Score: 3.57212
Type of gen. func.: ogf

$$\{(9 n^3 + 54 n^2 + 81 n) a(n + 1) + (-10 n^3 - 10 n^2 - 32 n - 32) a(n + 2) + (n^3 + 4 n^2 + 5 n + 2) a(n + 3), a(0) = 0, a(1) = 1, a(2) = 6\}$$

Sequence: A303212
Score: 4.90242
Type of gen. func.: ogf

$$\frac{x (x^7 - 7 x^6 + 21 x^5 - 41 x^4 - 19 x^3 - 75 x^2 + x - 1)}{(x - 1)^7}$$

Sequence: A303212
Score: 7.98708
Type of gen. func.: ogf

$$\frac{x\left(x^{7}-7x^{6}+21x^{5}-41x^{4}-19x^{3}-75x^{2}+x-1\right)}{(x-1)^{7}}$$

Sequence: A303224
Score: 7.23560
Type of gen. func.: ogf

$$\{3\,a(n+1)+(-3-n)\,a(n+2)+a(n+3),\ a(0)=0,\ a(1)=1,\ a(2)=2\}$$

Sequence: A303226
Score: 5.59131
Type of gen. func.: ogf

$$-\frac{2x\left(6x^{7}+x^{5}-3x^{4}-3x^{3}-9x^{2}+3x+3\right)}{(x^{3}+x^{2}-1)(x^{3}-x-1)(x^{3}-x^{2}+2x-1)}$$

Sequence: A303226
Score: 6.01812
Type of gen. func.: ogf

$$-\frac{2x\left(6x^{7}+x^{5}-3x^{4}-3x^{3}-9x^{2}+3x+3\right)}{(x^{3}+x^{2}-1)(x^{3}-x-1)(x^{3}-x^{2}+2x-1)}$$

Sequence: A303272
Score: 12.9662
Type of gen. func.: ogf

$$-f(x)\,x^{2}+2\,f(x)\,x-f(x)+1852\,x$$

Sequence: A303272
Score: 20.0977

Type of gen. func.: ogf

$$\frac{1852\,x}{(x-1)^2}$$

Sequence: A303272
Score: 25.1221
Type of gen. func.: ogf

$$\frac{1852\,x}{(x-1)^2}$$

Sequence: A303272
Score: 28.7110
Type of gen. func.: lgdogf

$$\frac{2}{-x+1}$$

Sequence: A303272
Score: 61.3856
Type of gen. func.: ogf_with_Euler_transform]

$$[2]$$

Sequence: A303272
Score: 9.57032
Type of gen. func.: ogf

$$\{a(n+2) - 2\,a(n+1) + a(n),\ a(0) = 0,\ a(1) = 1852\}$$

Sequence: A303295
Score: 12.5817
Type of gen. func.: ogf

$$\frac{x\,(5\,x^3 - 12\,x^2 + 11\,x - 20)}{(x-1)^3}$$

Sequence: A303295
Score: 5.03269
Type of gen. func.: ogf

$$(1033312 f(x) - 163797121)$$

$$(f(x) x^3 - 5 x^4 - 3 f(x) x^2 + 12 x^3 + 3 f(x) x - 11 x^2 - f(x) + 20 x)$$

Sequence: A303296
Score: 6.01069
Type of gen. func.: ogf

$$-\frac{9 x^8 + x^7 + 7 x^6 + 9 x^5 + 4 x^4 + 4 x^3 + 9 x^2 + 7 x + 1}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A303296
Score: 8.48933
Type of gen. func.: ogf

$$-\frac{9 x^8 + x^7 + 7 x^6 + 9 x^5 + 4 x^4 + 4 x^3 + 9 x^2 + 7 x + 1}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A303298
Score: 16.491
Type of gen. func.: ogf

$$-\frac{x (x^2 + 17 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A303299
Score: 16.491
Type of gen. func.: ogf

$$x (x^2 + 18 x + 1)$$

$$-\frac{\qquad}{(x+1)^{2}\,(x-1)^{3}}$$

Sequence: A303302
Score: 16.7710
Type of gen. func.: ogf

$$-\frac{34\,x\,(x+1)}{(x-1)^{3}}$$

Sequence: A303302
Score: 22.4884
Type of gen. func.: lgdogf

$$-\frac{2\,x+4}{x^{2}-1}$$

Sequence: A303302
Score: 23.5592
Type of gen. func.: ogf

$$-\frac{34\,x\,(x+1)}{(x-1)^{3}}$$

Sequence: A303302
Score: 46.8552
Type of gen. func.: ogf_with_Euler_transform]

$$[4 - x]$$

Sequence: A303302
Score: 8.67973
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 0,\ a(1) = 34,\ a(2) = 136\}$$

Sequence: A303302
Score: 8.99534
Type of gen. func.: ogf

$$(2 f(x) + 17) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 34 x^2 - f(x) + 34 x)$$

Sequence: A303303
Score: 16.491
Type of gen. func.: ogf

$$-\frac{x (x^2 + 19 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A303304
Score: 14.26
Type of gen. func.: ogf

$$-\frac{x (x^2 + 21 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A303305
Score: 10.7406
Type of gen. func.: ogf

$$-\frac{x (x^2 + 13 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A303305
Score: 14.2053
Type of gen. func.: ogf

$$-\frac{x (x^2 + 13 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A303309
Score: 8.68476
Type of gen. func.: ogf

$$\frac{4 x^{6} - 2 x^{4} + 4 x^{3} - 9 x^{2} - 3}{(x^{2} + 1) (x^{2} + x - 1)}$$

Sequence: A303309
Score: 9.11364
Type of gen. func.: ogf

$$\frac{4 x^{6} - 2 x^{4} + 4 x^{3} - 9 x^{2} - 3}{(x^{2} + 1) (x^{2} + x - 1)}$$

Sequence: A303310
Score: 4.92588
Type of gen. func.: ogf

$$\frac{x^{9} - 2 x^{8} - 5 x^{7} - 5 x^{6} - x^{5} - 4 x^{4} - x^{3} + 7 x^{2} + 5}{x^{7} + 2 x^{6} + x^{5} - 2 x^{4} - 3 x^{3} - x^{2} - x + 1}$$

Sequence: A303310
Score: 5.06561
Type of gen. func.: ogf

$$\frac{x^{9} - 2 x^{8} - 5 x^{7} - 5 x^{6} - x^{5} - 4 x^{4} - x^{3} + 7 x^{2} + 5}{x^{7} + 2 x^{6} + x^{5} - 2 x^{4} - 3 x^{3} - x^{2} - x + 1}$$

Sequence: A303311
Score: 3.99864
Type of gen. func.: ogf

$$(8 x^{11} - 16 x^{10} + 20 x^{9} - 8 x^{8} + 2 x^{7} - 58 x^{6} + 52 x^{5} - 10 x^{4} + 46 x^{3} - 17 x^{2}$$

$$/ \quad {}^{9} \quad {}^{7} \quad {}^{6} \quad {}^{5} \quad {}^{4} \quad {}^{3}$$

$$+ x - 8) / (4 x - 6 x - 10 x + 4 x + 2 x + 9 x + x - 1)$$

Sequence: A303311
Score: 4.09218
Type of gen. func.: ogf

$$(8 x^{11} - 16 x^{10} + 20 x^{9} - 8 x^{8} + 2 x^{7} - 58 x^{6} + 52 x^{5} - 10 x^{4} + 46 x^{3} - 17 x^{2} + x - 8) / (4 x^{9} - 6 x^{7} - 10 x^{6} + 4 x^{5} + 2 x^{4} + 9 x^{3} + x - 1)$$

Sequence: A303312
Score: 3.67611
Type of gen. func.: ogf

$$(31 x^{10} + 80 x^{9} + 249 x^{8} + 94 x^{7} - 10 x^{6} - 128 x^{5} - 60 x^{4} - 95 x^{3} + 28 x^{2} + 13) / (4 x^{8} + 8 x^{7} + 15 x^{6} + 5 x^{5} - 6 x^{4} - 10 x^{3} - 2 x^{2} - x + 1)$$

Sequence: A303312
Score: 3.76159
Type of gen. func.: ogf

$$(31 x^{10} + 80 x^{9} + 249 x^{8} + 94 x^{7} - 10 x^{6} - 128 x^{5} - 60 x^{4} - 95 x^{3} + 28 x^{2} + 13) / (4 x^{8} + 8 x^{7} + 15 x^{6} + 5 x^{5} - 6 x^{4} - 10 x^{3} - 2 x^{2} - x + 1)$$

Sequence: A303315
Score: 7.93633
Type of gen. func.: ogf

$$\frac{8 x^{6} + 9 x^{5} + 21 x^{4} + 7 x^{3} - 8 x^{2} - 4}{4 x^{4} + 3 x^{3} + x - 1}$$

Sequence: A303315

Score: 8.30546
Type of gen. func.: ogf

$$\frac{8 x^6 + 9 x^5 + 21 x^4 + 7 x^3 - 8 x^2 - 4}{4 x^4 + 3 x^3 + x - 1}$$

Sequence: A303316
Score: 4.14001
Type of gen. func.: ogf

$$(2 x^{10} + 13 x^9 + 14 x^8 + 35 x^7 + 56 x^6 - 43 x^5 - 99 x^4 - 21 x^3 - 3 x^2 - 2 x + 8) / (2 x^7 + 7 x^6 + 3 x^5 - 9 x^4 - 5 x^3 - x^2 - x + 1)$$

Sequence: A303316
Score: 4.24287
Type of gen. func.: ogf

$$(2 x^{10} + 13 x^9 + 14 x^8 + 35 x^7 + 56 x^6 - 43 x^5 - 99 x^4 - 21 x^3 - 3 x^2 - 2 x + 8) / (2 x^7 + 7 x^6 + 3 x^5 - 9 x^4 - 5 x^3 - x^2 - x + 1)$$

Sequence: A303383
Score: 5.42108
Type of gen. func.: ogf

$$- \frac{x (x^2 + x + 1) (x^4 + 6 x^3 + 16 x^2 + 6 x + 1)}{(x + 1)^4 (x - 1)^5}$$

Sequence: A303383
Score: 8.18694
Type of gen. func.: ogf

$$- \frac{x (x^2 + x + 1) (x^4 + 6 x^3 + 16 x^2 + 6 x + 1)}{(x + 1)^4 (x - 1)^5}$$

Sequence: A303416
Score: 10.5587
Type of gen. func.: ogf

$$-\frac{4\,(x^2+x+1)}{8\,x^3+6\,x^2+7\,x-1}$$

Sequence: A303416
Score: 10.5587
Type of gen. func.: ogf

$$-\frac{4\,(x^2+x+1)}{8\,x^3+6\,x^2+7\,x-1}$$

Sequence: A303416
Score: 5.50498
Type of gen. func.: ogf

$$-(277\,f(x)-2)\,(8\,f(x)\,x^3+6\,f(x)\,x^2+7\,f(x)\,x+4\,x^2-f(x)+4\,x+4)$$

Sequence: A303416
Score: 5.60071
Type of gen. func.: ogf

$$\{a(n+3)-7\,a(n+2)-6\,a(n+1)-8\,a(n),\ a(0)=4,\ a(1)=32,\ a(2)=252\}$$

Sequence: A303416
Score: 6.31453
Type of gen. func.: lgdogf

$$-\frac{-8\,x^4-16\,x^3-23\,x^2-14\,x-8}{-8\,x^5-14\,x^4-21\,x^3-12\,x^2-6\,x+1}$$

Sequence: A303417
Score: 4.27441
Type of gen. func.: ogf

$$-\frac{10x^5+11x^4+13x^3-25x^2-16x-8}{20x^6+18x^5+23x^4-54x^3-21x^2-14x+1}$$

Sequence: A303417
Score: 4.27441
Type of gen. func.: ogf

$$-\frac{10x^5+11x^4+13x^3-25x^2-16x-8}{20x^6+18x^5+23x^4-54x^3-21x^2-14x+1}$$

Sequence: A303422
Score: 4.15537
Type of gen. func.: ogf

$$-(2019799 f(x) - 705789) (18 f(x) x^4 + 21 f(x) x^3 + 4 f(x) x^2 + 9 x^3 + 7 f(x) x + 12 x^2 - f(x) + 4 x + 4)$$

Sequence: A303422
Score: 8.05102
Type of gen. func.: ogf

$$-\frac{9x^3+12x^2+4x+4}{18x^4+21x^3+4x^2+7x-1}$$

Sequence: A303422
Score: 8.05103
Type of gen. func.: ogf

$$-\frac{9x^3+12x^2+4x+4}{{}^{4}\qquad{}^{3}\qquad{}^{2}}$$

$$18 x + 21 x + 4 x + 7 x - 1$$

Sequence: A303427
Score: 11.5675
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 - 2 x + 2)}{x^4 + x^2 - 1}$$

Sequence: A303427
Score: 13.0846
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^2 - 2 x + 2)}{x^4 + x^2 - 1}$$

Sequence: A303427
Score: 7.67462
Type of gen. func.: ogf

$$-(71 f(x) - 138) (f(x) x^4 + f(x) x^2 + x^3 - x^2 - f(x) + 2)$$

Sequence: A303449
Score: 8.45719
Type of gen. func.: ogf

$$-\frac{7190232 x^{12} - 8987790 x^{11} + 1797558 x^{10} - 2 x - 1}{(4 x - 1) (x - 1)}$$

Sequence: A303449
Score: 8.83307
Type of gen. func.: ogf

$$-\frac{7190232 x^{12} - 8987790 x^{11} + 1797558 x^{10} - 2 x - 1}{(4 x - 1) (x - 1)}$$

Sequence: A303451
Score: 6.79676
Type of gen. func.: ogf

$$-\frac{4\,(6\,x^{4}+6\,x^{3}+2\,x^{2}-1)}{16\,x^{5}+36\,x^{4}+2\,x^{3}+4\,x^{2}-8\,x+1}$$

Sequence: A303451
Score: 6.94615
Type of gen. func.: ogf

$$-\frac{4\,(6\,x^{4}+6\,x^{3}+2\,x^{2}-1)}{16\,x^{5}+36\,x^{4}+2\,x^{3}+4\,x^{2}-8\,x+1}$$

Sequence: A303457
Score: 5.24252
Type of gen. func.: ogf

$$-\frac{2\,(6\,x^{7}+12\,x^{6}+10\,x^{4}-3\,x^{3}-12\,x^{2}+2)}{32\,x^{7}-3\,x^{6}+8\,x^{5}+20\,x^{4}-40\,x^{3}+8\,x-1}$$

Sequence: A303457
Score: 5.28659
Type of gen. func.: ogf

$$-\frac{2\,(6\,x^{7}+12\,x^{6}+10\,x^{4}-3\,x^{3}-12\,x^{2}+2)}{32\,x^{7}-3\,x^{6}+8\,x^{5}+20\,x^{4}-40\,x^{3}+8\,x-1}$$

Sequence: A303464
Score: 5.33785
Type of gen. func.: ogf

5   4   3   2

$$-\frac{168 x - 16 x - 92 x - 13 x + x + 4}{72 x^{5} - 144 x^{4} + 20 x^{3} - 5 x^{2} + 7 x - 1}$$

Sequence: A303464
Score: 5.33785
Type of gen. func.: ogf

$$-\frac{168 x^{5} - 16 x^{4} - 92 x^{3} - 13 x^{2} + x + 4}{72 x^{5} - 144 x^{4} + 20 x^{3} - 5 x^{2} + 7 x - 1}$$

Sequence: A303486
Score: 11.5133
Type of gen. func.: revegf]

$$\frac{4 x}{3} - 1/3 - \frac{(4 x - 1)^{1/4} (-1)^{3/4}}{3}$$

Sequence: A303487
Score: 11.9469
Type of gen. func.: revegf]

$$\frac{5 x}{4} - 1/4 - \frac{(5 x - 1)^{1/5} (-1)^{4/5}}{4}$$

Sequence: A303488
Score: 12.3804
Type of gen. func.: revegf]

$$\frac{6 x}{5} - 1/5 - \frac{(6 x - 1)^{1/6} (-1)^{5/6}}{5}$$

Sequence: A303502
Score: 11.1239
Type of gen. func.: ogf

$$-(f(x) + 1) (f(x) x^2 - 2 f(x) x + f(x) - 1)$$

Sequence: A303502
Score: 11.5309
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A303502
Score: 28.6524
Type of gen. func.: ogf

$$\frac{1}{(x - 1)^2}$$

Sequence: A303502
Score: 33.7689
Type of gen. func.: lgdogf

$$\frac{2}{-x + 1}$$

Sequence: A303502
Score: 45.0252
Type of gen. func.: ogf

$$\frac{1}{(x - 1)^2}$$

Sequence: A303502
Score: 72.5070
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A303537

Score: 18.5391
Type of gen. func.: lgdogf

$$-\frac{2}{(4x-1)(4x+1)}$$

Sequence: A303537
Score: 22.4716
Type of gen. func.: lgdogf

$$\frac{2}{-16x^2+1}$$

Sequence: A303537
Score: 6.93050
Type of gen. func.: ogf

$$\{(n+2)a(n+2)-2a(n+1)-16na(n), a(0)=1, a(1)=2\}$$

Sequence: A303538
Score: 17.9507
Type of gen. func.: lgdogf

$$-\frac{2}{(8x-1)(8x+1)}$$

Sequence: A303538
Score: 21.7584
Type of gen. func.: lgdogf

$$\frac{2}{-64x^2+1}$$

Sequence: A303538
Score: 6.71053
Type of gen. func.: ogf

$$\{(n+2)a(n+2)-2a(n+1)-64na(n), a(0)=1, a(1)=2\}$$

Sequence: A303602
Score: 12.77
Type of gen. func.: ogf

$$-\frac{-4x-1+(1-4x)^{1/2}}{2(4x-1)^2}$$

Sequence: A303602
Score: 4.35178
Type of gen. func.: ogf

$$256 f(x)^2 x^4 - 256 f(x)^2 x^3 + 96 f(x)^2 x^2 - 64 f(x) x^3 - 16 f(x)^2 x$$
$$+ 16 f(x) x^2 + f(x)^2 + 4 f(x) x + 4 x^2 - f(x) + 3 x$$

Sequence: A303609
Score: 11.1902
Type of gen. func.: ogf

$$\frac{2x(x^2-5x+10)}{(x-1)^4}$$

Sequence: A303609
Score: 12.3422
Type of gen. func.: lgdogf

$$-\frac{-2x^2+13x-35}{-x^3+6x^2-15x+10}$$

Sequence: A303609
Score: 16.7853
Type of gen. func.: ogf

$$2x(x^2-5x+10)$$

$$(x-1)^4$$

Sequence: A303609
Score: 4.11405
Type of gen. func.: ogf

$$\{(30+10n)\,a(n+4)+(-65-15n)\,a(n+3)+(19+6n)\,a(n+2)$$

$$+(-2-n)\,a(n+1),\ a(0)=0,\ a(1)=20,\ a(2)=70,\ a(3)=162\}$$

Sequence: A303609
Score: 5.82825
Type of gen. func.: ogf

$$(25152 f(x)+276361)$$

$$(f(x)\,x^4-4 f(x)\,x^3+6 f(x)\,x^2-2x^3-4 f(x)\,x+10x^2+f(x)-20x)$$

Sequence: A303611
Score: 12.5321
Type of gen. func.: ogf

$$\frac{2x^2-x+2}{(x-1)(2x+1)(2x-1)}$$

Sequence: A303611
Score: 13.3539
Type of gen. func.: ogf

$$\frac{2x^2-x+2}{(x-1)(2x+1)(2x-1)}$$

Sequence: A303611
Score: 7.08339
Type of gen. func.: ogf

$$(662 f(x)+747)(4 f(x)\,x^3-4 f(x)\,x^2-f(x)\,x-2x^2+f(x)+x-2)$$

Sequence: A303611
Score: 7.20875
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 4 a(n + 1) + 4 a(n), a(0) = 2, a(1) = 1, a(2) = 11\}$$

Sequence: A303611
Score: 8.14589
Type of gen. func.: lgdogf

$$-\frac{-8 x^4 + 8 x^3 - 30 x^2 + 20 x + 1}{-8 x^5 + 12 x^4 - 10 x^3 + 5 x^2 + 3 x - 2}$$

Sequence: A303619
Score: 4.84795
Type of gen. func.: ogf

$$\frac{4 x^7 - 4 x^6 + 16 x^5 - 18 x^4 + 10 x^3 - 17 x^2 + 7 x + 1}{4 x^6 - 4 x^5 + 12 x^4 - 8 x^3 + 5 x^2 - 5 x + 1}$$

Sequence: A303619
Score: 5.00186
Type of gen. func.: ogf

$$\frac{4 x^7 - 4 x^6 + 16 x^5 - 18 x^4 + 10 x^3 - 17 x^2 + 7 x + 1}{4 x^6 - 4 x^5 + 12 x^4 - 8 x^3 + 5 x^2 - 5 x + 1}$$

Sequence: A303631
Score: 9.20212
Type of gen. func.: ogf

$$-\frac{x (x^3 + x^2 + x - 1)}{x^5 - x^4 - 2 x^2 - x + 1}$$

Sequence: A303631
Score: 9.20212
Type of gen. func.: ogf

$$-\frac{x\,(x^3+x^2+x-1)}{x^5-x^4-2\,x^2-x+1}$$

Sequence: A303647
Score: 11.1909
Type of gen. func.: ogf

$$\frac{x^2+x+1}{(x-1)\,(x^3+3\,x^2+3\,x-1)}$$

Sequence: A303647
Score: 6.71451
Type of gen. func.: ogf

$$(298\,f(x)+135)\,(f(x)\,x^4+2\,f(x)\,x^3-4\,f(x)\,x-x^2+f(x)-x-1)$$

Sequence: A303649
Score: 12.6506
Type of gen. func.: ogf

$$\frac{x^3\,(x^4-2\,x^2+2\,x+1)}{(x+1)^2\,(x-1)^6}$$

Sequence: A303649
Score: 6.96853
Type of gen. func.: ogf

$$\frac{x^3\,(x^4-2\,x^2+2\,x+1)}{(x+1)^2\,(x-1)^6}$$

Sequence: A303649
Score: 7.83130
Type of gen. func.: lgdogf

$$-\frac{4x^5+4x^4-8x^3+6x^2+12x+6}{x^6-3x^4+2x^3+3x^2-2x-1}$$

Sequence: A303677
Score: 5.36131
Type of gen. func.: ogf

$-(153 f(x) + 251)$

$$(2 f(x) x^4 - 4 f(x) x^3 + 2 x^4 - 2 x^3 - f(x) x - 2 x^2 + f(x) - 3 x - 2)$$

Sequence: A303677
Score: 8.93552
Type of gen. func.: ogf

$$-\frac{(x-2)(2x^3+2x^2+2x+1)}{2x^4-4x^3-x+1}$$

Sequence: A303677
Score: 9.39971
Type of gen. func.: ogf

$$-\frac{(x-2)(2x^3+2x^2+2x+1)}{2x^4-4x^3-x+1}$$

Sequence: A303678
Score: 7.25656
Type of gen. func.: ogf

$$x^7+6x^6+2x^5-11x^4-13x^3+2x^2-12x-5$$

$$\overline{}$$
$$x^{5} + x^{4} + x - 1$$

Sequence: A303678
Score: 7.54682
Type of gen. func.: ogf

$$\frac{x^{7} + 6 x^{6} + 2 x^{5} - 11 x^{4} - 13 x^{3} + 2 x^{2} - 12 x - 5}{x^{5} + x^{4} + x - 1}$$

Sequence: A303679
Score: 5.40357
Type of gen. func.: ogf

$$\frac{2 x^{9} + 7 x^{8} + 13 x^{7} - 7 x^{6} - 3 x^{5} - 24 x^{4} - 19 x^{3} + 6 x^{2} - 23 x - 8}{(x + 1) (x^{2} - x + 1) (x^{3} + x - 1)}$$

Sequence: A303679
Score: 6.29673
Type of gen. func.: ogf

$$\frac{2 x^{9} + 7 x^{8} + 13 x^{7} - 7 x^{6} - 3 x^{5} - 24 x^{4} - 19 x^{3} + 6 x^{2} - 23 x - 8}{(x + 1) (x^{2} - x + 1) (x^{3} + x - 1)}$$

Sequence: A303680
Score: 4.69854
Type of gen. func.: ogf

$$(3 x^{11} + 17 x^{10} + 26 x^{9} + 27 x^{8} - 13 x^{7} - 29 x^{6} - 18 x^{5} - 33 x^{4} - 25 x^{3} + 10 x^{2} - 36 x - 13) \Big/ ((x^{2} + 1) (x^{5} - x^{3} + x^{2} + x - 1))$$

Sequence: A303680
Score: 5.34218

Type of gen. func.: ogf

$$(3 x^{11} + 17 x^{10} + 26 x^{9} + 27 x^{8} - 13 x^{7} - 29 x^{6} - 18 x^{5} - 33 x^{4} - 25 x^{3} + 10 x^{2} - 36 x - 13) / ((x^{2} + 1) (x^{5} - x^{3} + x^{2} + x - 1))$$

Sequence: A303684
Score: 7.50461
Type of gen. func.: ogf

$$\frac{x (4 x^{4} - 4 x^{3} - 4 x + 3)}{4 x^{5} + 2 x^{4} - 2 x^{3} - x^{2} - 3 x + 1}$$

Sequence: A303684
Score: 7.85776
Type of gen. func.: ogf

$$\frac{x (4 x^{4} - 4 x^{3} - 4 x + 3)}{4 x^{5} + 2 x^{4} - 2 x^{3} - x^{2} - 3 x + 1}$$

Sequence: A303692
Score: 12.6334
Type of gen. func.: ogf

$$\frac{x^{2} (x^{3} + 7 x^{2} + 7 x + 9)}{(x + 1)^{3} (x - 1)^{4}}$$

Sequence: A303692
Score: 7.53366
Type of gen. func.: ogf

$$\frac{x^{2} (x^{3} + 7 x^{2} + 7 x + 9)}{(x + 1)^{3} (x - 1)^{4}}$$

Sequence: A303692
Score: 8.21169
Type of gen. func.: lgdogf

$$-\frac{-4 x^4 - 36 x^3 - 52 x^2 - 84 x - 16}{-x^5 - 7 x^4 - 6 x^3 - 2 x^2 + 7 x + 9}$$

Sequence: A303714
Score: 13.2024
Type of gen. func.: ogf

$$\frac{3 x^3 - 2 x^2 - 3}{2 x^3 + x - 1}$$

Sequence: A303714
Score: 14.1988
Type of gen. func.: ogf

$$\frac{3 x^3 - 2 x^2 - 3}{2 x^3 + x - 1}$$

Sequence: A303714
Score: 6.60122
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3) - 2 a(n + 1), a(0) = 3, a(1) = 3, a(2) = 5, a(3) = 8\}$$

Sequence: A303714
Score: 7.67897
Type of gen. func.: ogf

$$(3 f(x) + 11) (2 f(x) x^3 - 3 x^3 + f(x) x + 2 x^2 - f(x) + 3)$$

Sequence: A303715
Score: 6.35318
Type of gen. func.: ogf

$$-\frac{x^5+9x^4+11x^3+2x^2-5}{(x^3-x^2-1)(x^3+2x^2+x-1)}$$

Sequence: A303715
Score: 6.35319
Type of gen. func.: ogf

$$-\frac{x^5+9x^4+11x^3+2x^2-5}{(x^3-x^2-1)(x^3+2x^2+x-1)}$$

Sequence: A303716
Score: 5.27947
Type of gen. func.: ogf

$$-\frac{2x^8+4x^7-4x^6-11x^5-2x^4+9x^3+x^2+x-8}{(x^3-x^2-1)(x^3+2x^2+x-1)}$$

Sequence: A303716
Score: 5.27948
Type of gen. func.: ogf

$$-\frac{2x^8+4x^7-4x^6-11x^5-2x^4+9x^3+x^2+x-8}{(x^3-x^2-1)(x^3+2x^2+x-1)}$$

Sequence: A303717
Score: 5.57624
Type of gen. func.: ogf

$$-\frac{6x^8+12x^7-3x^6-26x^5-17x^4+2x^2-13}{(x^3-x^2-1)(x^3+2x^2+x-1)}$$

Sequence: A303717
Score: 5.57625
Type of gen. func.: ogf

$$-\frac{6x^8+12x^7-3x^6-26x^5-17x^4+2x^2-13}{(x^3-x^2-1)(x^3+2x^2+x-1)}$$

Sequence: A303718
Score: 4.85549
Type of gen. func.: ogf

$$-\frac{28x^8+45x^7-11x^6-97x^5-70x^4-35x^3+4x^2-2x-21}{(x^3-x^2-1)(x^3+2x^2+x-1)}$$

Sequence: A303718
Score: 4.8555
Type of gen. func.: ogf

$$-\frac{28x^8+45x^7-11x^6-97x^5-70x^4-35x^3+4x^2-2x-21}{(x^3-x^2-1)(x^3+2x^2+x-1)}$$

Sequence: A303721
Score: 4.45709
Type of gen. func.: ogf

$$-(4518 f(x)+24559)(4 f(x) x^4+4 f(x) x^3+8x^4-f(x) x^2+14x^3-3 f(x) x$$
$$+5x^2+f(x)-2x-2)$$

Sequence: A303721
Score: 7.77514
Type of gen. func.: ogf

$$8x^4+14x^3+5x^2-2x-2$$

```
                  - --------------------------------
                                   3      2
                    (2 x - 1) (2 x  + 3 x  + x - 1)
```

Sequence: A303721
Score: 8.13677
Type of gen. func.: ogf

$$-\frac{8 x^4 + 14 x^3 + 5 x^2 - 2 x - 2}{(2 x - 1) (2 x^3 + 3 x^2 + x - 1)}$$

Sequence: A303722
Score: 5.54518
Type of gen. func.: ogf

$$-\frac{2 x^8 - 20 x^7 + 26 x^6 + 24 x^5 - 28 x^4 - 4 x^3 - 19 x^2 + 13 x + 4}{(x - 1) (2 x^5 - 2 x^3 - x^2 - x + 1)}$$

Sequence: A303722
Score: 5.71450
Type of gen. func.: ogf

$$-\frac{2 x^8 - 20 x^7 + 26 x^6 + 24 x^5 - 28 x^4 - 4 x^3 - 19 x^2 + 13 x + 4}{(x - 1) (2 x^5 - 2 x^3 - x^2 - x + 1)}$$

Sequence: A303723
Score: 5.59245
Type of gen. func.: ogf

$$\frac{43 x^7 - 13 x^6 - 83 x^5 - 54 x^4 - 19 x^3 - 11 x^2 + 41 x + 8}{(x - 1) (2 x^5 + 3 x^4 + 2 x^3 + x^2 - 1)}$$

Sequence: A303723
Score: 5.7672
Type of gen. func.: ogf

$$\frac{43 x^{7} - 13 x^{6} - 83 x^{5} - 54 x^{4} - 19 x^{3} - 11 x^{2} + 41 x + 8}{(x - 1) (2 x^{5} + 3 x^{4} + 2 x^{3} + x^{2} - 1)}$$

Sequence: A303724
Score: 4.1494
Type of gen. func.: ogf

$$-(3 x^{11} - 123 x^{9} + 151 x^{8} + 115 x^{7} - 33 x^{6} + 27 x^{5} - 31 x^{4} - 21 x^{3} - 163 x^{2} + 88 x + 16) \Big/ ((x - 1) (2 x^{7} + x^{6} - x^{3} - x^{2} - x + 1))$$

Sequence: A303724
Score: 4.46859
Type of gen. func.: ogf

$$-(3 x^{11} - 123 x^{9} + 151 x^{8} + 115 x^{7} - 33 x^{6} + 27 x^{5} - 31 x^{4} - 21 x^{3} - 163 x^{2} + 88 x + 16) \Big/ ((x - 1) (2 x^{7} + x^{6} - x^{3} - x^{2} - x + 1))$$

Sequence: A303730
Score: 11.6137
Type of gen. func.: revogf

$$- \frac{4 x^{3} - 4 x^{2} + x}{x^{3} - 5 x^{2} + 4 x - 1}$$

Sequence: A303730
Score: 13.1622
Type of gen. func.: revogf

$$- \frac{x (2 x - 1)^{2}}{x^{3} - 5 x^{2} + 4 x - 1}$$

Sequence: A303730
Score: 6.98878
Type of gen. func.: ogf

$$f(x)^3 x^3 + 4 f(x)^3 x^2 - 5 f(x)^2 x^2 - 4 f(x)^2 x + 4 f(x) x + f(x) - 1$$

Sequence: A303749
Score: 3.96364
Type of gen. func.: ogf

$$-\frac{3 x^5 - 3 x^4 + x^3 - 2 x - 1}{(x - 1) (x + 1) (3 x^2 - 1)}$$

Sequence: A303749
Score: 4.83238
Type of gen. func.: ogf

$$-\frac{3 x^5 - 3 x^4 + x^3 - 2 x - 1}{(x - 1) (x + 1) (3 x^2 - 1)}$$

Sequence: A303784
Score: 10.159
Type of gen. func.: ogf

$$-\frac{x^{37} - 17 x^{21} + 89 x^{20} + 17 x^{19} - 90 x^{18} + 8 x^3 - 10 x - 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A303784
Score: 10.1590
Type of gen. func.: ogf

$$-\frac{x^{37} - 17 x^{21} + 89 x^{20} + 17 x^{19} - 90 x^{18} + 8 x^3 - 10 x - 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A303794
Score: 8.33050
Type of gen. func.: ogf

$$\frac{2 (4 x^5 - 8 x^3 + 2 x^2 + 1)}{8 x^5 + 8 x^4 - 8 x^3 - 2 x + 1}$$

Sequence: A303794
Score: 8.43336
Type of gen. func.: ogf

$$\frac{2 (4 x^5 - 8 x^3 + 2 x^2 + 1)}{8 x^5 + 8 x^4 - 8 x^3 - 2 x + 1}$$

Sequence: A303795
Score: 4.94102
Type of gen. func.: ogf

$$\frac{12 x^9 + 4 x^8 - 12 x^7 - 10 x^6 - 9 x^5 - x^4 - 7 x^3 + x^2 + 8 x + 4}{(x^2 + 1) (2 x^5 + 2 x^4 - x^3 - 2 x^2 - x + 1)}$$

Sequence: A303795
Score: 5.07827
Type of gen. func.: ogf

$$\frac{12 x^9 + 4 x^8 - 12 x^7 - 10 x^6 - 9 x^5 - x^4 - 7 x^3 + x^2 + 8 x + 4}{(x^2 + 1) (2 x^5 + 2 x^4 - x^3 - 2 x^2 - x + 1)}$$

Sequence: A303802
Score: 5.07827
Type of gen. func.: ogf

$-(66 f(x) + 161)$

$$(4 f(x) x^4 - 4 f(x) x^3 + 4 x^4 + f(x) x^2 - 2 f(x) x + x^2 + f(x) - x - 2)$$

Sequence: A303802
Score: 8.60318
Type of gen. func.: ogf

$$-\frac{4 x^4 + x^2 - x - 2}{(x - 1) (2 x - 1) (2 x^2 + x + 1)}$$

Sequence: A303802
Score: 9.49703
Type of gen. func.: ogf

$$-\frac{4 x^4 + x^2 - x - 2}{(x - 1) (2 x - 1) (2 x^2 + x + 1)}$$

Sequence: A303803
Score: 3.81343
Type of gen. func.: ogf

$$-\frac{10 x^9 + 18 x^8 + 12 x^7 + x^6 - 19 x^5 - 6 x^4 + 4 x^3 - 9 x^2 - 2 x + 3}{(x + 1) (2 x^9 + 2 x^8 - 8 x^7 + 7 x^6 - 9 x^5 + 4 x^4 + 2 x^3 - 5 x^2 + 4 x - 1)}$$

Sequence: A303803
Score: 3.87771
Type of gen. func.: ogf

$$-\frac{10 x^9 + 18 x^8 + 12 x^7 + x^6 - 19 x^5 - 6 x^4 + 4 x^3 - 9 x^2 - 2 x + 3}{(x + 1) (2 x^9 + 2 x^8 - 8 x^7 + 7 x^6 - 9 x^5 + 4 x^4 + 2 x^3 - 5 x^2 + 4 x - 1)}$$

Sequence: A303812
Score: 15.8273
Type of gen. func.: ogf

$$-\frac{x\,(x^2+24\,x+1)}{(x+1)^2\,(x-1)^3}$$

Sequence: A303813
Score: 12.0220
Type of gen. func.: ogf

$$-\frac{x\,(x^2+15\,x+1)}{(x+1)^2\,(x-1)^3}$$

Sequence: A303813
Score: 15.9001
Type of gen. func.: ogf

$$-\frac{x\,(x^2+15\,x+1)}{(x+1)^2\,(x-1)^3}$$

Sequence: A303814
Score: 10.7342
Type of gen. func.: ogf

$$-\frac{x\,(x^2+20\,x+1)}{(x+1)^2\,(x-1)^3}$$

Sequence: A303814
Score: 14.1969
Type of gen. func.: ogf

$$-\frac{x\,(x^2+20\,x+1)}{(x+1)^2\,(x-1)^3}$$

Sequence: A303815
Score: 10.4889
Type of gen. func.: ogf

$$-\frac{x\,(x^2 + 25\,x + 1)}{(x + 1)^2\,(x - 1)^3}$$

Sequence: A303815
Score: 13.8725
Type of gen. func.: ogf

$$-\frac{x\,(x^2 + 25\,x + 1)}{(x + 1)^2\,(x - 1)^3}$$

Sequence: A303816
Score: 9.17495
Type of gen. func.: ogf

$$\frac{x^9 - 8\,x^8 + 3\,x^7 - 2\,x^6 - x^5 + 6\,x^4 - 3\,x^2 - 4\,x - 1}{(x - 1)\,(x^8 + 1)}$$

Sequence: A303817
Score: 8.79556
Type of gen. func.: ogf

$$-\frac{2\,x^9 + 7\,x^8 - 7\,x^7 + 3\,x^6 - 2\,x^5 - x^4 + 6\,x^3 - x + 2}{(x - 1)\,(x^8 + 1)}$$

Sequence: A303834
Score: 7.01744
Type of gen. func.: ogf

$$-\frac{24\,x^4 - 34\,x^3 - 42\,x^2 + 9\,x + 3}{(x + 1)\,(x^2 - 3\,x + 1)\,(4\,x^2 + 2\,x - 1)}$$

Sequence: A303834
Score: 7.52386
Type of gen. func.: ogf

$$-\frac{24 x^4 - 34 x^3 - 42 x^2 + 9 x + 3}{(x + 1) (x^2 - 3 x + 1) (4 x^2 + 2 x - 1)}$$

Sequence: A303848
Score: 13.4199
Type of gen. func.: ogf

$$-\frac{90 x^{19} - 90 x^{18} + 9 x^2 - 9 x - 1}{(x + 1) (x - 1)^2}$$

Sequence: A303848
Score: 14.1171
Type of gen. func.: ogf

$$-\frac{90 x^{19} - 90 x^{18} + 9 x^2 - 9 x - 1}{(x + 1) (x - 1)^2}$$

Sequence: A303850
Score: 12.7654
Type of gen. func.: ogf

$$-\frac{90 x^{19} - 90 x^{18} + 9 x^2 - 9 x - 1}{(x + 1) (x - 1)^2}$$

Sequence: A303850
Score: 13.4286
Type of gen. func.: ogf

$$90 x^{19} - 90 x^{18} + 9 x^2 - 9 x - 1$$

$$-\frac{}{(x + 1)\,(x - 1)^{2}}$$

Sequence: A303882
Score: 7.65104
Type of gen. func.: ogf

$$\frac{4\,x^{5} - 2\,x^{3} - 6\,x^{2} + 1}{4\,x^{5} + 6\,x^{4} - 2\,x^{3} + 2\,x^{2} - 4\,x + 1}$$

Sequence: A303882
Score: 8.01108
Type of gen. func.: ogf

$$\frac{4\,x^{5} - 2\,x^{3} - 6\,x^{2} + 1}{4\,x^{5} + 6\,x^{4} - 2\,x^{3} + 2\,x^{2} - 4\,x + 1}$$

Sequence: A303890
Score: 4.38352
Type of gen. func.: ogf

$$-(862\,f(x) - 553)$$

$$(4\,f(x)\,x^{4} + 4\,f(x)\,x^{3} + f(x)\,x^{2} + 6\,x^{3} + 3\,f(x)\,x + x^{2} - f(x) + 4\,x + 1)$$

Sequence: A303890
Score: 8.25468
Type of gen. func.: ogf

$$-\frac{6\,x^{3} + x^{2} + 4\,x + 1}{4\,x^{4} + 4\,x^{3} + x^{2} + 3\,x - 1}$$

Sequence: A303890
Score: 8.25469
Type of gen. func.: ogf

$$-\frac{6x^3+x^2+4x+1}{4x^4+4x^3+x^2+3x-1}$$

Sequence: A303902
Score: 14.3380
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^4-3x^2-x}{x^4-2x^2+1}$$

Sequence: A303902
Score: 14.4282
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x(x^3-3x-1)}{(x-1)^2(x+1)^2}$$

Sequence: A303916
Score: 18.9619
Type of gen. func.: ogf

$$\frac{12x^2(x+1)}{(x-1)^6}$$

Sequence: A303930
Score: 4.95503
Type of gen. func.: ogf

$$-\frac{20x^7-60x^6+22x^5+45x^4-30x^3-4x^2+6x-1}{(x^2-3x+1)(5x^2-5x+1)(5x^4-5x^2+1)}$$

Sequence: A303930
Score: 5.37377
Type of gen. func.: ogf

$$-\frac{20 x^7 - 60 x^6 + 22 x^5 + 45 x^4 - 30 x^3 - 4 x^2 + 6 x - 1}{(x^2 - 3 x + 1) (5 x^2 - 5 x + 1) (5 x^4 - 5 x^2 + 1)}$$

Sequence: A303952
Score: 3.30969
Type of gen. func.: ogf

$$5 f(x)^2 x^4 - 21 f(x)^2 x^3 + 29 f(x)^2 x^2 + 5 f(x) x^3 - 15 f(x)^2 x - 21 f(x) x^2 + 2 f(x)^2 + 19 f(x) x + x^2 - 3 f(x) - 6 x + 1$$

Sequence: A303952
Score: 4.88315
Type of gen. func.: ogf

$$-\frac{5 x^2 + ((5 x - 1) (x - 1) (x + 1)^2)^{1/2} - 16 x + 3}{2 (5 x - 1) (x - 2) (x - 1)}$$

Sequence: A303956
Score: 5.03866
Type of gen. func.: ogf

$$\frac{16 x^7 + 16 x^6 - 9 x^5 - 18 x^4 - 11 x^3 - 2 x^2 + x + 4}{4 x^7 + 6 x^6 + 2 x^5 - 2 x^4 - 3 x^3 - 2 x^2 - x + 1}$$

Sequence: A303956
Score: 5.19019
Type of gen. func.: ogf

$$\frac{16 x^7 + 16 x^6 - 9 x^5 - 18 x^4 - 11 x^3 - 2 x^2 + x + 4}{4 x^7 + 6 x^6 + 2 x^5 - 2 x^4 - 3 x^3 - 2 x^2 - x + 1}$$

Sequence: A303963
Score: 10.3022
Type of gen. func.: ogf

$$-\frac{4x^3 - 4x^2 - 3x - 2}{4x^4 - 8x^3 - x + 1}$$

Sequence: A303963
Score: 10.3022
Type of gen. func.: ogf

$$-\frac{4x^3 - 4x^2 - 3x - 2}{4x^4 - 8x^3 - x + 1}$$

Sequence: A303963
Score: 5.46808
Type of gen. func.: ogf

$$-(16937 f(x) + 6277)$$

$$(4 f(x) x^4 - 8 f(x) x^3 + 4x^3 - f(x) x - 4x^2 + f(x) - 3x - 2)$$

Sequence: A303964
Score: 4.30654
Type of gen. func.: ogf

$$-\frac{x^{11} + x^{10} + x^9 + x^8 + 4x^7 + 5x^6 - 4x^4 - 7x^3 - 4x^2 - 6x - 3}{x^{12} + x^{11} + x^7 - x^6 - x^5 - 2x^4 - 2x^3 - x + 1}$$

Sequence: A303964
Score: 4.30654
Type of gen. func.: ogf

$$-\frac{x^{11} + x^{10} + x^9 + x^8 + 4x^7 + 5x^6 - 4x^4 - 7x^3 - 4x^2 - 6x - 3}{}$$

12 11 7 6 5 4 3

$$x + x + x - x - x - 2 x - 2 x - x + 1$$

Sequence: A303977
Score: 4.98025
Type of gen. func.: ogf_with_Euler_transform]

$$[1]$$

Sequence: A304004
Score: 10.3470
Type of gen. func.: ogf

$$-\frac{(2 x + 1) (x + 1) (2 x^{2} - 1)}{(2 x - 1) (2 x^{3} + x^{2} - x - 1)}$$

Sequence: A304004
Score: 5.71153
Type of gen. func.: ogf

$$-(64 f(x) - 55) (4 f(x) x^{4} + 4 x^{4} - 3 f(x) x^{2} + 6 x^{3} - f(x) x + f(x) - 3 x - 1)$$

Sequence: A304004
Score: 7.67679
Type of gen. func.: ogf

$$-\frac{(2 x + 1) (x + 1) (2 x^{2} - 1)}{(2 x - 1) (2 x^{3} + x^{2} - x - 1)}$$

Sequence: A304013
Score: 5.75304
Type of gen. func.: ogf

$$-\frac{8 x^{5} + 24 x^{4} + 20 x^{3} + 3 x^{2} - 5 x - 1}{(2 x - 1) (x + 1) (4 x^{3} + 4 x^{2} + x - 1)}$$

Sequence: A304013
Score: 6.14027
Type of gen. func.: ogf

$$-\frac{8x^5+24x^4+20x^3+3x^2-5x-1}{(2x-1)(x+1)(4x^3+4x^2+x-1)}$$

Sequence: A304036
Score: 2.89126
Type of gen. func.: ogf

$$-(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x^8-x^7+x^5-x^4+x^3-x+1)(x^8+x^7-x^5-x^4-x^3+x+1) \Big/ \left((x-1)(x+1)(x^2-x+1)(x^4-x^2+1)(x^8-x^4+1)\right)$$

Sequence: A304052
Score: 6.63267
Type of gen. func.: ogf

$$\frac{24x^5-12x^4-18x^3+5x^2+2x+1}{16x^5+4x^4-8x^3-3x^2-x+1}$$

Sequence: A304052
Score: 6.89535
Type of gen. func.: ogf

$$\frac{24x^5-12x^4-18x^3+5x^2+2x+1}{16x^5+4x^4-8x^3-3x^2-x+1}$$

Sequence: A304121
Score: 6.57823
Type of gen. func.: revogf

$$-\frac{x^3}{2}-\frac{x^2}{2}-x/2-1/2+\frac{(x^6+2x^5+3x^4+4x^3+3x^2+6x+1)^{1/2}}{2}$$

Sequence: A304121
Score: 9.42068
Type of gen. func.: ogf

$$f(x)^3 x^3+f(x)^2 x^2+f(x)\,x-f(x)+x+1$$

Sequence: A304128
Score: 10.3251
Type of gen. func.: ogf

$$\frac{2x^6-2x^5-4x^3-2x^2-4x-3}{2x^3+x-1}$$

Sequence: A304128
Score: 9.78875
Type of gen. func.: ogf

$$\frac{2x^6-2x^5-4x^3-2x^2-4x-3}{2x^3+x-1}$$

Sequence: A304129
Score: 3.84245
Type of gen. func.: ogf

$$(4x^{12}+4x^{11}-20x^{10}-5x^9-14x^8+25x^7+40x^6+2x^5+15x^4-10x^3-2x^2-12x-5) / (2x^{10}-2x^8-5x^7-x^6+x^5+3x^3+x-1)$$

Sequence: A304129
Score: 3.92783
Type of gen. func.: ogf

$$(4 x^{12} + 4 x^{11} - 20 x^{10} - 5 x^{9} - 14 x^{8} + 25 x^{7} + 40 x^{6} + 2 x^{5} + 15 x^{4} - 10 x^{3} - 2 x^{2} - 12 x - 5) / (2 x^{10} - 2 x^{8} - 5 x^{7} - x^{6} + x^{5} + 3 x^{3} + x - 1)$$

Sequence: A304136
Score: 4.86999
Type of gen. func.: ogf

$$\frac{8 x^{9} - 27 x^{7} - 21 x^{6} - 7 x^{5} + 29 x^{4} + 8 x^{3} + 3 x^{2} - 6 x - 1}{(x - 1) (x^{2} + x + 1) (x^{2} + x - 1) (4 x^{3} - 1)}$$

Sequence: A304136
Score: 5.00161
Type of gen. func.: ogf

$$\frac{8 x^{9} - 27 x^{7} - 21 x^{6} - 7 x^{5} + 29 x^{4} + 8 x^{3} + 3 x^{2} - 6 x - 1}{(x - 1) (x^{2} + x + 1) (x^{2} + x - 1) (4 x^{3} - 1)}$$

Sequence: A304137
Score: 5.31171
Type of gen. func.: ogf

$$\frac{6 x^{9} + 6 x^{8} + x^{7} - 20 x^{6} - 37 x^{5} + 22 x^{4} + 9 x^{3} + 17 x^{2} - 11 x - 1}{(x - 1) (x^{2} + x - 1) (3 x^{3} - 1)}$$

Sequence: A304137
Score: 5.63859
Type of gen. func.: ogf

$$\frac{6 x^{9} + 6 x^{8} + x^{7} - 20 x^{6} - 37 x^{5} + 22 x^{4} + 9 x^{3} + 17 x^{2} - 11 x - 1}{(x - 1) (x^{2} + x - 1) (3 x^{3} - 1)}$$

Sequence: A304143
Score: 6.52662
Type of gen. func.: ogf

$$-\frac{8 x^5 + 18 x^4 + 14 x^3 + 3 x^2 - 5 x - 1}{(2 x - 1) (x + 1) (2 x^3 + 2 x^2 + x - 1)}$$

Sequence: A304143
Score: 7.03355
Type of gen. func.: ogf

$$-\frac{8 x^5 + 18 x^4 + 14 x^3 + 3 x^2 - 5 x - 1}{(2 x - 1) (x + 1) (2 x^3 + 2 x^2 + x - 1)}$$

Sequence: A304157
Score: 16.7364
Type of gen. func.: lgdogf

$$-\frac{5 x + 17}{5 x^2 + x - 6}$$

Sequence: A304157
Score: 17.4486
Type of gen. func.: ogf

$$\frac{4 (5 x + 6)}{(x - 1)^2}$$

Sequence: A304157
Score: 22.1644
Type of gen. func.: ogf

$$\frac{4 (5 x + 6)}{(x - 1)^2}$$

Sequence: A304157
Score: 9.11202
Type of gen. func.: ogf

$$(11 f(x) + 314) (f(x) x^2 - 2 f(x) x + f(x) - 20 x - 24)$$

Sequence: A304157
Score: 9.76288
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 24, a(1) = 68\}$$

Sequence: A304158
Score: 10.8978
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 24, a(1) = 84\}$$

Sequence: A304158
Score: 19.0711
Type of gen. func.: lgdogf

$$- \frac{-3 x - 7}{-3 x^2 + x + 2}$$

Sequence: A304158
Score: 19.4769
Type of gen. func.: ogf

$$\frac{12 (3 x + 2)}{(x - 1)^2}$$

Sequence: A304158
Score: 24.0898
Type of gen. func.: ogf

$$12 (3 x + 2)$$

```
                   ------------
                              2
                     (x - 1)
```

Sequence: A304158
Score: 9.95015
Type of gen. func.: ogf

```
                                    2
 (95 f(x) + 12126) (f(x) x  - 2 f(x) x + f(x) - 36 x - 24)
```

Sequence: A304159
Score: 13.2505
Type of gen. func.: ogf

```
      3      2
 2 (x  + 3 x  + x + 1)
 ---------------------
                4
       (x - 1)
```

Sequence: A304159
Score: 13.4249
Type of gen. func.: lgdogf

```
      3      2
   -x  - 9 x  - 9 x - 5
 - ---------------------
      4      3      2
   -x  - 2 x  + 2 x  + 1
```

Sequence: A304159
Score: 19.2507
Type of gen. func.: ogf

```
      3      2
 2 (x  + 3 x  + x + 1)
 ---------------------
                4
       (x - 1)
```

Sequence: A304159
Score: 5.34183
Type of gen. func.: ogf

```
 2                                 2
```

$$\{(-49 n - 237 n - 278) a(n + 1) + (26 n - 136 n - 586) a(n + 2) + (23 n^2 + 157 n + 264) a(n + 3), a(0) = 2, a(1) = 10, a(2) = 34\}$$

Sequence: A304159
Score: 7.03648
Type of gen. func.: ogf

$$(17847 f(x) + 47845)(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 2 x^3 - 4 f(x) x - 6 x^2 + f(x) - 2 x - 2)$$

Sequence: A304160
Score: 14.9935
Type of gen. func.: ogf

$$- \frac{2 x^4 + 7 x^3 + 11 x^2 + 3 x + 1}{(x - 1)^5}$$

Sequence: A304160
Score: 9.38988
Type of gen. func.: lgdogf

$$- \frac{-2 x^4 - 22 x^3 - 54 x^2 - 34 x - 8}{-2 x^5 - 5 x^4 - 4 x^3 + 8 x^2 + 2 x + 1}$$

Sequence: A304160
Score: 9.68331
Type of gen. func.: ogf

$$- \frac{2 x^4 + 7 x^3 + 11 x^2 + 3 x + 1}{(x - 1)^5}$$

Sequence: A304161
Score: 10.2627
Type of gen. func.: ogf

$$\frac{2\,(x^3 + 5\,x^2 - 3\,x + 3)}{(x - 1)^4}$$

Sequence: A304161
Score: 15.1035
Type of gen. func.: ogf

$$\frac{2\,(x^3 + 5\,x^2 - 3\,x + 3)}{(x - 1)^4}$$

Sequence: A304161
Score: 4.10506
Type of gen. func.: ogf

$$\{(-187\,n^2 - 943\,n - 1138)\,a(n + 1) + (210\,n^2 + 288\,n - 1098)\,a(n + 2)$$
$$+ (-23\,n^2 + 163\,n + 696)\,a(n + 3),\ a(0) = 6,\ a(1) = 18,\ a(2) = 46\}$$

Sequence: A304161
Score: 5.48279
Type of gen. func.: ogf

$$(15417\,f(x) + 40771)\,($$
$$f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - 2\,x^3 - 4\,f(x)\,x - 10\,x^2 + f(x) + 6\,x - 6)$$

Sequence: A304161
Score: 9.88256
Type of gen. func.: lgdogf

$$-\frac{x^3 + 13\,x^2 + x + 9}{x^4 + 4\,x^3 - 8\,x^2 + 6\,x - 3}$$

Sequence: A304162
Score: 14.0239
Type of gen. func.: ogf

$$-\frac{5x^4+20x^2-6x+5}{(x-1)^5}$$

Sequence: A304162
Score: 7.35233
Type of gen. func.: lgdogf

$$-\frac{-5x^4-20x^3-60x^2-16x-19}{-5x^5+5x^4-20x^3+26x^2-11x+5}$$

Sequence: A304162
Score: 8.60557
Type of gen. func.: ogf

$$-\frac{5x^4+20x^2-6x+5}{(x-1)^5}$$

Sequence: A304163
Score: 10.9548
Type of gen. func.: lgdogf

$$-\frac{x^2+22x+31}{x^3+9x^2-3x-7}$$

Sequence: A304163
Score: 11.6616
Type of gen. func.: ogf

$$-\frac{x^2+10x+7}{(x-1)^3}$$

Sequence: A304163
Score: 15.7178
Type of gen. func.: ogf

$$-\frac{x^2 + 10x + 7}{(x-1)^3}$$

Sequence: A304163
Score: 6.17966
Type of gen. func.: ogf

$$(696 f(x) - 7217) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) + 10 x + 7)$$

Sequence: A304163
Score: 6.34228
Type of gen. func.: ogf

$$\{a(n+3) - 3 a(n+2) + 3 a(n+1) - a(n), a(0) = 7, a(1) = 31, a(2) = 73\}$$

Sequence: A304164
Score: 12.0727
Type of gen. func.: lgdogf

$$-\frac{-x^2 - 14x - 12}{-x^3 - 5x^2 + 4x + 2}$$

Sequence: A304164
Score: 12.6476
Type of gen. func.: ogf

$$-\frac{6 (x^2 + 6x + 2)}{(x-1)^3}$$

Sequence: A304164
Score: 17.7066
Type of gen. func.: ogf

$$-\frac{6\,(x^2 + 6\,x + 2)}{(x - 1)^3}$$

Sequence: A304164
Score: 6.53113
Type of gen. func.: ogf

$$(23409\,f(x) - 636626)$$

$$(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 6\,x^2 - f(x) + 36\,x + 12)$$

Sequence: A304164
Score: 6.86895
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 12,\ a(1) = 72,\ a(2) = 186\}$$

Sequence: A304165
Score: 12.9363
Type of gen. func.: lgdogf

$$-\frac{17\,x^2 + 186\,x + 121}{17\,x^3 + 59\,x^2 - 61\,x - 15}$$

Sequence: A304165
Score: 14.3084
Type of gen. func.: ogf

$$-\frac{6\,(17\,x^2 + 76\,x + 15)}{(x - 1)^3}$$

Sequence: A304165
Score: 19.674
Type of gen. func.: ogf

$$-\frac{6\,(17\,x^2 + 76\,x + 15)}{(x - 1)^3}$$

Sequence: A304165
Score: 7.2088
Type of gen. func.: ogf

$$(6758559\,f(x) - 2051051462)$$

$$(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 102\,x^2 - f(x) + 456\,x + 90)$$

Sequence: A304165
Score: 8.00299
Type of gen. func.: ogf

$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 90,\ a(1) = 726,\ a(2) = 2010\}$

Sequence: A304166
Score: 14.1919
Type of gen. func.: lgdogf

$$-\frac{23\,x^2 + 198\,x + 103}{23\,x^3 + 53\,x^2 - 67\,x - 9}$$

Sequence: A304166
Score: 15.0268
Type of gen. func.: ogf

$$-\frac{18\,(23\,x^2 + 76\,x + 9)}{(x - 1)^3}$$

Sequence: A304166

Score: 21.2879
Type of gen. func.: ogf

$$-\frac{18\,(23\,x^{2}+76\,x+9)}{(x-1)^{3}}$$

Sequence: A304166
Score: 7.68285
Type of gen. func.: ogf

$$(2028321\,f(x)-1721010362)\,(f(x)\,x^{3}-3\,f(x)\,x^{2}+3\,f(x)\,x+414\,x^{2}-f(x)+1368\,x+162)$$

Sequence: A304166
Score: 8.51517
Type of gen. func.: ogf

$$\{a(n+3)-3\,a(n+2)+3\,a(n+1)-a(n),\ a(0)=162,\ a(1)=1854,\ a(2)=5490\}$$

Sequence: A304167
Score: 12.8862
Type of gen. func.: ogf

$$-\frac{15\,x^{2}-15\,x+4}{(x-1)\,(3\,x-1)\,(2\,x-1)}$$

Sequence: A304167
Score: 14.2957
Type of gen. func.: ogf

$$-\frac{15\,x^{2}-15\,x+4}{(x-1)\,(3\,x-1)\,(2\,x-1)}$$

Sequence: A304167
Score: 7.3784

Type of gen. func.: ogf

$$-(1126 f(x) + 3021)$$

$$(6 f(x) x^3 - 11 f(x) x^2 + 6 f(x) x + 15 x^2 - f(x) - 15 x + 4)$$

Sequence: A304167
Score: 8.02564
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 11 a(n + 1) - 6 a(n), a(0) = 4, a(1) = 9, a(2) = 25\}$$

Sequence: A304167
Score: 8.31748
Type of gen. func.: lgdogf

$$-\frac{90 x^4 - 180 x^3 + 147 x^2 - 58 x + 9}{90 x^5 - 255 x^4 + 279 x^3 - 149 x^2 + 39 x - 4}$$

Sequence: A304168
Score: 11.0341
Type of gen. func.: ogf

$$(5 f(x) + 39) (6 f(x) x^2 - 5 f(x) x + f(x) + 9 x - 5)$$

Sequence: A304168
Score: 11.4330
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - 6 a(n), a(0) = 5, a(1) = 16\}$$

Sequence: A304168
Score: 13.5562
Type of gen. func.: lgdogf

$$-\frac{-54 x^2 + 60 x - 16}{-54 x^3 + 75 x^2 - 34 x + 5}$$

Sequence: A304168
Score: 19.366
Type of gen. func.: ogf

$$-\frac{9x-5}{(3x-1)(2x-1)}$$

Sequence: A304168
Score: 21.0874
Type of gen. func.: ogf

$$-\frac{9x-5}{(3x-1)(2x-1)}$$

Sequence: A304169
Score: 10.9056
Type of gen. func.: ogf

$$\frac{2(24x^2+15x-13)}{(x-1)(3x-1)(2x-1)}$$

Sequence: A304169
Score: 12.0800
Type of gen. func.: ogf

$$\frac{2(24x^2+15x-13)}{(x-1)(3x-1)(2x-1)}$$

Sequence: A304169
Score: 6.04001
Type of gen. func.: ogf

$$-(86539 f(x) + 12703713)$$

$$(6 f(x) x^3 - 11 f(x) x^2 + 6 f(x) x - 48 x^2 - f(x) - 30 x + 26)$$

Sequence: A304169
Score: 6.65425
Type of gen. func.: ogf

$$\{a(n+3) - 6\,a(n+2) + 11\,a(n+1) - 6\,a(n),\ a(0) = 26,\ a(1) = 126,\ a(2) = 422\}$$

Sequence: A304169
Score: 6.88774
Type of gen. func.: lgdogf

$$-\frac{144\,x^4 + 180\,x^3 - 543\,x^2 + 334\,x - 63}{144\,x^5 - 174\,x^4 - 99\,x^3 + 209\,x^2 - 93\,x + 13}$$

Sequence: A304170
Score: 13.1411
Type of gen. func.: ogf

$$\frac{4\,(99\,x^2 - 37\,x - 4)}{(x - 1)\,(3\,x - 1)\,(2\,x - 1)}$$

Sequence: A304170
Score: 13.9256
Type of gen. func.: ogf

$$\frac{4\,(99\,x^2 - 37\,x - 4)}{(x - 1)\,(3\,x - 1)\,(2\,x - 1)}$$

Sequence: A304170
Score: 7.01517
Type of gen. func.: ogf

$$-(101623\,f(x) + 44551838)$$

$$(6\,f(x)\,x^3 - 11\,f(x)\,x^2 + 6\,f(x)\,x - 396\,x^2 - f(x) + 148\,x + 16)$$

Sequence: A304170
Score: 7.90692
Type of gen. func.: ogf

$$\{a(n+3) - 6 a(n+2) + 11 a(n+1) - 6 a(n), a(0) = 16, a(1) = 244, a(2) = 892\}$$

Sequence: A304170
Score: 8.11318
Type of gen. func.: lgdogf

$$-\frac{594 x^4 - 444 x^3 - 259 x^2 + 286 x - 61}{594 x^5 - 1311 x^4 + 977 x^3 - 277 x^2 + 13 x + 4}$$

Sequence: A304171
Score: 10.7478
Type of gen. func.: lgdogf

$$-\frac{-22 x^2 + 196 x - 136}{-22 x^3 + 131 x^2 - 158 x + 49}$$

Sequence: A304171
Score: 15.8056
Type of gen. func.: ogf

$$-\frac{11 x - 49}{(2 x - 1) (x - 1)}$$

Sequence: A304171
Score: 17.1507
Type of gen. func.: ogf

$$-\frac{11 x - 49}{(2 x - 1) (x - 1)}$$

Sequence: A304171

Score: 8.85806
Type of gen. func.: ogf

$$(53 f(x) + 2027) (2 f(x) x^2 - 3 f(x) x + f(x) + 11 x - 49)$$

Sequence: A304171
Score: 9.48334
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 49, a(1) = 136\}$$

Sequence: A304172
Score: 11.0458
Type of gen. func.: ogf

$$(3 f(x) + 127) (2 f(x) x^2 - 3 f(x) x + f(x) + 9 x - 54)$$

Sequence: A304172
Score: 11.4356
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 54, a(1) = 153\}$$

Sequence: A304172
Score: 14.2946
Type of gen. func.: lgdogf

$$-\frac{-2 x^2 + 24 x - 17}{-2 x^3 + 15 x^2 - 19 x + 6}$$

Sequence: A304172
Score: 19.8373
Type of gen. func.: ogf

$$-\frac{9 (x - 6)}{(2 x - 1) (x - 1)}$$

Sequence: A304172
Score: 21.1311
Type of gen. func.: ogf

$$-\frac{9 (x - 6)}{(2 x - 1) (x - 1)}$$

Sequence: A304205
Score: 10.4245
Type of gen. func.: ogf

{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 12, a(1) = 61}

Sequence: A304205
Score: 16.5219
Type of gen. func.: lgdogf

$$-\frac{-37 x - 61}{-37 x^2 + 25 x + 12}$$

Sequence: A304205
Score: 18.6311
Type of gen. func.: ogf

$$\frac{37 x + 12}{(x - 1)^2}$$

Sequence: A304205
Score: 25.0188
Type of gen. func.: ogf

$$\frac{37 x + 12}{(x - 1)^2}$$

Sequence: A304205
Score: 9.62263
Type of gen. func.: ogf

$$(98 f(x) + 2545) (f(x) x^2 - 2 f(x) x + f(x) - 37 x - 12)$$

Sequence: A304216
Score: 5.23843
Type of gen. func.: ogf

$$-(37203 f(x) + 3112)$$

$$(2 f(x) x^4 + f(x) x^3 + 2 x^4 + 4 x^3 + f(x) x + 3 x^2 - f(x) + 4 x + 3)$$

Sequence: A304216
Score: 8.92474
Type of gen. func.: ogf

$$-\frac{(x + 1) (2 x^3 + 2 x^2 + x + 3)}{2 x^4 + x^3 + x - 1}$$

Sequence: A304216
Score: 9.38836
Type of gen. func.: ogf

$$-\frac{(x + 1) (2 x^3 + 2 x^2 + x + 3)}{2 x^4 + x^3 + x - 1}$$

Sequence: A304217
Score: 5.81442
Type of gen. func.: ogf

$$\frac{12 x^8 - 5 x^7 - 16 x^6 - 10 x^5 - 9 x^4 + 5 x^3 + 12 x + 5}{2 x^7 - x^5 - x^4 - 2 x^3 - x + 1}$$

Sequence: A304217
Score: 6.0132
Type of gen. func.: ogf

$$\frac{12x^8 - 5x^7 - 16x^6 - 10x^5 - 9x^4 + 5x^3 + 12x + 5}{2x^7 - x^5 - x^4 - 2x^3 - x + 1}$$

Sequence: A304218
Score: 3.74935
Type of gen. func.: ogf

$$(2x^{13} - 2x^{12} + 16x^{11} - 10x^{10} - 25x^9 + 7x^8 - 13x^7 + 4x^6 + 11x^5 - 22x^4 + 6x^3 + x^2 + 23x + 8) \Big/ \left((x^2 + 1)(x^8 - x^6 + 2x^5 - 2x^3 - x^2 - x + 1)\right)$$

Sequence: A304218
Score: 3.97229
Type of gen. func.: ogf

$$(2x^{13} - 2x^{12} + 16x^{11} - 10x^{10} - 25x^9 + 7x^8 - 13x^7 + 4x^6 + 11x^5 - 22x^4 + 6x^3 + x^2 + 23x + 8) \Big/ \left((x^2 + 1)(x^8 - x^6 + 2x^5 - 2x^3 - x^2 - x + 1)\right)$$

Sequence: A304225
Score: 11.1736
Type of gen. func.: ogf

$$-\frac{2x^4 - 3x^3 + 2x^2 - x + 4}{x^3 + x - 1}$$

Sequence: A304225
Score: 11.1736
Type of gen. func.: ogf

$$-\frac{2x^4 - 3x^3 + 2x^2 - x + 4}{}$$

$$x^3 + x - 1$$

Sequence: A304225
Score: 6.07068
Type of gen. func.: ogf

$\{a(n + 5) - a(n + 4) - a(n + 2), a(0) = 4, a(1) = 3, a(2) = 5, a(3) = 6,$

$a(4) = 11\}$

Sequence: A304225
Score: 6.76295
Type of gen. func.: ogf

$$(949 f(x) - 1423) (f(x) x^3 + 2 x^4 - 3 x^3 + f(x) x + 2 x^2 - f(x) - x + 4)$$

Sequence: A304226
Score: 6.93148
Type of gen. func.: ogf

$$\frac{12 x^7 + 28 x^6 - 4 x^5 - 16 x^4 - 35 x^3 + x^2 - 3 x + 8}{4 x^6 - 5 x^3 - x + 1}$$

Sequence: A304226
Score: 7.20599
Type of gen. func.: ogf

$$\frac{12 x^7 + 28 x^6 - 4 x^5 - 16 x^4 - 35 x^3 + x^2 - 3 x + 8}{4 x^6 - 5 x^3 - x + 1}$$

Sequence: A304227
Score: 5.76609
Type of gen. func.: ogf

$$\frac{28 x^9 + 21 x^8 + 90 x^7 + 192 x^6 - 41 x^5 - 61 x^4 - 135 x^3 + 3 x^2 - 8 x + 16}{{}^{6} \qquad {}^{3}}$$

$$14 x - 9 x - x + 1$$

Sequence: A304227
Score: 5.9521
Type of gen. func.: ogf

$$\frac{28 x^{9} + 21 x^{8} + 90 x^{7} + 192 x^{6} - 41 x^{5} - 61 x^{4} - 135 x^{3} + 3 x^{2} - 8 x + 16}{14 x^{6} - 9 x^{3} - x + 1}$$

Sequence: A304257
Score: 8.32876
Type of gen. func.: ogf

$$- \frac{x (4 x^{4} - 8 x^{2} - 2 x + 3)}{(2 x - 1) (2 x^{4} - 2 x^{3} - 3 x^{2} + 1)}$$

Sequence: A304257
Score: 8.32876
Type of gen. func.: ogf

$$- \frac{x (4 x^{4} - 8 x^{2} - 2 x + 3)}{(2 x - 1) (2 x^{4} - 2 x^{3} - 3 x^{2} + 1)}$$

Sequence: A304265
Score: 13.1775
Type of gen. func.: ogf

$$\frac{5 x^{3} - 3 x^{2} - 3}{3 x^{3} + x - 1}$$

Sequence: A304265
Score: 14.172
Type of gen. func.: ogf

$$\frac{5 x^{3} - 3 x^{2} - 3}{3 x^{3} + x - 1}$$

Sequence: A304265
Score: 6.53143
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 3) + 3 a(n + 1), a(0) = 3, a(1) = 3, a(2) = 6, a(3) = 10\}$$

Sequence: A304265
Score: 7.58702
Type of gen. func.: ogf

$$(53 f(x) - 87) (3 f(x) x^{3} - 5 x^{3} + f(x) x + 3 x^{2} - f(x) + 3)$$

Sequence: A304266
Score: 6.80240
Type of gen. func.: ogf

$$\frac{8 x^{6} + 5 x^{5} - 11 x^{4} - 19 x^{3} + 5}{3 x^{6} + 3 x^{5} - x^{4} - 5 x^{3} - x^{2} - x + 1}$$

Sequence: A304266
Score: 7.06657
Type of gen. func.: ogf

$$\frac{8 x^{6} + 5 x^{5} - 11 x^{4} - 19 x^{3} + 5}{3 x^{6} + 3 x^{5} - x^{4} - 5 x^{3} - x^{2} - x + 1}$$

Sequence: A304267
Score: 3.67243
Type of gen. func.: ogf

$$19 x^{9} - 23 x^{8} - 14 x^{7} - 58 x^{6} - 6 x^{5} + 25 x^{4} + 56 x^{3} - 4 x^{2} + x - 8$$

$$4 x^9 - 4 x^8 - 5 x^7 - 12 x^6 - 2 x^5 + 4 x^4 + 10 x^3 + x^2 + x - 1$$

Sequence: A304267
Score: 3.75934
Type of gen. func.: ogf

$$\frac{19 x^9 - 23 x^8 - 14 x^7 - 58 x^6 - 6 x^5 + 25 x^4 + 56 x^3 - 4 x^2 + x - 8}{4 x^9 - 4 x^8 - 5 x^7 - 12 x^6 - 2 x^5 + 4 x^4 + 10 x^3 + x^2 + x - 1}$$

Sequence: A304293
Score: 10.1669
Type of gen. func.: ogf

$$- \frac{4 x (2 x^2 - 1)}{(x - 1) (2 x - 1) (2 x^2 + x + 1)}$$

Sequence: A304293
Score: 12.0439
Type of gen. func.: ogf

$$- \frac{4 x (2 x^2 - 1)}{(x - 1) (2 x - 1) (2 x^2 + x + 1)}$$

Sequence: A304293
Score: 6.06862
Type of gen. func.: ogf

$(189 f(x) + 358)$

$$(4 f(x) x^4 - 4 f(x) x^3 + f(x) x^2 + 8 x^3 - 2 f(x) x + f(x) - 4 x)$$

Sequence: A304293
Score: 7.31637
Type of gen. func.: lgdogf

$$-\frac{-16 x^5 + 8 x^4 + 16 x^3 - 16 x^2 + 6 x - 2}{-8 x^6 + 8 x^5 + 2 x^4 - x^2 - 2 x + 1}$$

Sequence: A304297
Score: 5.70862
Type of gen. func.: ogf

$$-\frac{2 x^8 - x^7 + x^6 + 4 x^5 + 5 x^4 - 2 x^2 - 2 x - 1}{2 x^9 + x^8 + 2 x^7 + 4 x^6 - 2 x^4 - 3 x^3 - x^2 + 1}$$

Sequence: A304297
Score: 5.70863
Type of gen. func.: ogf

$$-\frac{2 x^8 - x^7 + x^6 + 4 x^5 + 5 x^4 - 2 x^2 - 2 x - 1}{2 x^9 + x^8 + 2 x^7 + 4 x^6 - 2 x^4 - 3 x^3 - x^2 + 1}$$

Sequence: A304304
Score: 4.39318
Type of gen. func.: ogf

$$(96848 + 310835 f(x)) (8 f(x) x^4 + 6 f(x) x^3 + 8 x^4 - 3 f(x) x^2 + 16 x^3$$
$$- 3 f(x) x + 7 x^2 + f(x) - 2 x - 2)$$

Sequence: A304304
Score: 7.56602
Type of gen. func.: ogf

$$-\frac{8 x^4 + 16 x^3 + 7 x^2 - 2 x - 2}{(2 x - 1) (4 x^3 + 5 x^2 + x - 1)}$$

Sequence: A304304

Score: 7.91794
Type of gen. func.: ogf

$$-\frac{8 x^4 + 16 x^3 + 7 x^2 - 2 x - 2}{(2 x - 1) (4 x^3 + 5 x^2 + x - 1)}$$

Sequence: A304341
Score: 5.99367
Type of gen. func.: ogf

$$\frac{2 (x^2 + x - 1) (6 x^3 - 3 x^2 - x - 1)}{8 x^5 + 10 x^4 - 6 x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A304341
Score: 6.35330
Type of gen. func.: ogf

$$\frac{2 (x^2 + x - 1) (6 x^3 - 3 x^2 - x - 1)}{8 x^5 + 10 x^4 - 6 x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A304349
Score: 4.99038
Type of gen. func.: ogf

$$(16 f(x) + 11)$$

$$(8 f(x) x^4 - 8 f(x) x^3 + f(x) x^2 + 8 x^3 - 2 f(x) x - x^2 + f(x) - x - 2)$$

Sequence: A304349
Score: 9.00862
Type of gen. func.: ogf

$$-\frac{8 x^3 - x^2 - x - 2}{(x - 1) (8 x^3 + x - 1)}$$

Sequence: A304349
Score: 9.50223
Type of gen. func.: ogf

$$-\frac{8x^3-x^2-x-2}{(x-1)(8x^3+x-1)}$$

Sequence: A304370
Score: 10.3728
Type of gen. func.: ogf

$$\frac{8x^2-14x+9}{(4x-1)(2x-1)(x-1)^2}$$

Sequence: A304370
Score: 11.3158
Type of gen. func.: ogf

$$\frac{8x^2-14x+9}{(4x-1)(2x-1)(x-1)^2}$$

Sequence: A304370
Score: 3.53954
Type of gen. func.: ogf

$$\{(24n+104)a(n+1)+(-42n-158)a(n+2)+(21n+73)a(n+3)$$
$$+(-10-3n)a(n+4), a(0)=9, a(1)=58, a(2)=283, a(3)=1244\}$$

Sequence: A304370
Score: 5.11536
Type of gen. func.: ogf

$$(75544119 f(x) - 37061296)$$
$$(8 f(x) x^4 - 22 f(x) x^3 + 21 f(x) x^2 - 8 f(x) x - 8 x^2 + f(x) + 14 x - 9)$$

Sequence: A304370
Score: 6.60922
Type of gen. func.: lgdogf

$$-\frac{128 x^4 - 384 x^3 + 520 x^2 - 304 x + 58}{64 x^5 - 224 x^4 + 324 x^3 - 232 x^2 + 77 x - 9}$$

Sequence: A304371
Score: 10.0925
Type of gen. func.: ogf

$$\frac{8 x^3 - 14 x^2 + 7 x + 5}{(4 x - 1) (2 x - 1) (x - 1)^2}$$

Sequence: A304371
Score: 3.57341
Type of gen. func.: ogf

$$\{(16 n + 72) a(n + 1) + (-28 n - 110) a(n + 2) + (14 n + 51) a(n + 3) + (-2 n - 7) a(n + 4), a(0) = 5, a(1) = 47, a(2) = 257, a(3) = 1187\}$$

Sequence: A304371
Score: 4.97895
Type of gen. func.: ogf

$$(743509 f(x) - 468196) (8 f(x) x^4 - 22 f(x) x^3 + 21 f(x) x^2 - 8 x^3 - 8 f(x) x + 14 x^2 + f(x) - 7 x - 5)$$

Sequence: A304371
Score: 9.33552
Type of gen. func.: ogf

$$\frac{8 x^3 - 14 x^2 + 7 x + 5}{(4 x - 1) (2 x - 1) (x - 1)^2}$$

Sequence: A304373
Score: 6.14866
Type of gen. func.: ogf

$$\frac{70000000000000000000001 x + 199999999999999999999990}{(x - 1) (x - 10)}$$

Sequence: A304374
Score: 15.6482
Type of gen. func.: lgdogf

$$-\frac{x^2 + 2 x - 12}{x^3 - x^2 - 4 x + 4}$$

Sequence: A304374
Score: 17.5367
Type of gen. func.: ogf

$$\frac{6 (x - 2) (x + 2)}{(x - 1)^3}$$

Sequence: A304374
Score: 20.7577
Type of gen. func.: ogf

$$\frac{6 (x - 2) (x + 2)}{(x - 1)^3}$$

Sequence: A304374
Score: 8.76836
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 24, a(1) = 72, a(2) = 138\}$

Sequence: A304374
Score: 8.92216
Type of gen. func.: ogf

$$(873 f(x) - 45262) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 6 x^2 - f(x) + 24)$$

Sequence: A304375
Score: 15.6871
Type of gen. func.: lgdogf

$$-\frac{-4 x^2 + 2 x + 29}{-4 x^3 + 9 x^2 + 3 x - 8}$$

Sequence: A304375
Score: 15.9322
Type of gen. func.: ogf

$$\frac{3 (4 x^2 - 5 x - 8)}{(x - 1)^3}$$

Sequence: A304375
Score: 22.659
Type of gen. func.: ogf

$$\frac{3 (4 x^2 - 5 x - 8)}{(x - 1)^3}$$

Sequence: A304375
Score: 8.56855
Type of gen. func.: ogf

$$(121 f(x) - 7519) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 12 x^2 - f(x) + 15 x + 24)$$

Sequence: A304375

Score: 8.79017
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 24, a(1) = 87, a(2) = 177\}$$

Sequence: A304376
Score: 10.2212
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 72, a(1) = 192\}$$

Sequence: A304376
Score: 13.1636
Type of gen. func.: lgdogf

$$- \frac{-2 x^2 + 12 x - 8}{-2 x^3 + 9 x^2 - 10 x + 3}$$

Sequence: A304376
Score: 13.3661
Type of gen. func.: ogf

$$-2 f(x) x^2 + 3 f(x) x - f(x) - 24 x + 72$$

Sequence: A304376
Score: 17.376
Type of gen. func.: ogf

$$- \frac{24 (x - 3)}{(2 x - 1) (x - 1)}$$

Sequence: A304376
Score: 18.4851
Type of gen. func.: ogf

$$- \frac{24 (x - 3)}{(2 x - 1) (x - 1)}$$

Sequence: A304377
Score: 10.5897
Type of gen. func.: ogf

$$(7 f(x) + 596) (2 f(x) x^2 - 3 f(x) x + f(x) + 12 x - 108)$$

Sequence: A304377
Score: 11.0823
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 108, a(1) = 312\}$$

Sequence: A304377
Score: 14.0159
Type of gen. func.: lgdogf

$$- \frac{-2 x^2 + 36 x - 26}{-2 x^3 + 21 x^2 - 28 x + 9}$$

Sequence: A304377
Score: 19.0615
Type of gen. func.: ogf

$$- \frac{12 (x - 9)}{(2 x - 1) (x - 1)}$$

Sequence: A304377
Score: 19.8558
Type of gen. func.: ogf

$$- \frac{12 (x - 9)}{(2 x - 1) (x - 1)}$$

Sequence: A304378
Score: 13.8177
Type of gen. func.: ogf

$$-\frac{4 x (23 x + 9)}{(x - 1)^3}$$

Sequence: A304378
Score: 15.6777
Type of gen. func.: lgdogf

$$-\frac{-46 x - 50}{-23 x^2 + 14 x + 9}$$

Sequence: A304378
Score: 19.4105
Type of gen. func.: ogf

$$-\frac{4 x (23 x + 9)}{(x - 1)^3}$$

Sequence: A304378
Score: 6.68231
Type of gen. func.: ogf

$$(1143552 f(x) - 46661321)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 92 x^2 - f(x) + 36 x)$$

Sequence: A304378
Score: 7.15125
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 36, a(2) = 200\}$$

Sequence: A304379
Score: 12.4624
Type of gen. func.: lgdogf

$$-\frac{-164 x^2 - 214 x - 6}{}$$

$$-164 x^3 + 221 x^2 - 78 x + 21$$

Sequence: A304379
Score: 13.9730
Type of gen. func.: ogf

$$-\frac{4 (164 x^2 - 57 x + 21)}{(x - 1)^3}$$

Sequence: A304379
Score: 18.8208
Type of gen. func.: ogf

$$-\frac{4 (164 x^2 - 57 x + 21)}{(x - 1)^3}$$

Sequence: A304379
Score: 6.78103
Type of gen. func.: ogf

$$-(21516288 f(x) - 3834757127)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 656 x^2 - f(x) - 228 x + 84)$$

Sequence: A304379
Score: 7.95017
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 84, a(1) = 24, a(2) = 476\}$$

Sequence: A304380
Score: 14.8226
Type of gen. func.: ogf

$$-\frac{8 (5 x + 4)}{(x - 1)^3}$$

Sequence: A304380
Score: 16.3048
Type of gen. func.: lgdogf

$$-\frac{10x+17}{5x^2-x-4}$$

Sequence: A304380
Score: 22.0336
Type of gen. func.: ogf

$$-\frac{8(5x+4)}{(x-1)^3}$$

Sequence: A304380
Score: 6.96788
Type of gen. func.: ogf

$$\{a(n+3)-3a(n+2)+3a(n+1)-a(n), a(0)=32, a(1)=136, a(2)=312\}$$

Sequence: A304380
Score: 7.08906
Type of gen. func.: ogf

$$(46413 f(x)-2213416)(f(x)x^3-3f(x)x^2+3f(x)x-f(x)+40x+32)$$

Sequence: A304381
Score: 12.2059
Type of gen. func.: lgdogf

$$-\frac{x^2+38x+42}{x^3+17x^2-10x-8}$$

Sequence: A304381
Score: 13.1746
Type of gen. func.: ogf

$$-\frac{4 (x^2 + 18 x + 8)}{(x - 1)^3}$$

Sequence: A304381
Score: 18.0434
Type of gen. func.: ogf

$$-\frac{4 (x^2 + 18 x + 8)}{(x - 1)^3}$$

Sequence: A304381
Score: 6.53542
Type of gen. func.: ogf

$$(6484455 f(x) - 408864292)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) + 72 x + 32)$$

Sequence: A304381
Score: 7.09400
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 32, a(1) = 168, a(2) = 412\}$

Sequence: A304383
Score: 10.9709
Type of gen. func.: lgdogf

$$-\frac{-124 x^2 + 268 x - 139}{-124 x^3 + 320 x^2 - 263 x + 67}$$

Sequence: A304383

Score: 16.5639
Type of gen. func.: ogf

$$-\frac{62 x - 67}{(2 x - 1) (x - 1)}$$

Sequence: A304383
Score: 17.9737
Type of gen. func.: ogf

$$-\frac{62 x - 67}{(2 x - 1) (x - 1)}$$

Sequence: A304383
Score: 9.18218
Type of gen. func.: ogf

$$(149 f(x) + 9338) (2 f(x) x^2 - 3 f(x) x + f(x) + 62 x - 67)$$

Sequence: A304383
Score: 9.93838
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 67, a(1) = 139\}$$

Sequence: A304384
Score: 10.4473
Type of gen. func.: lgdogf

$$-\frac{-284 x^2 + 620 x - 323}{-284 x^3 + 736 x^2 - 607 x + 155}$$

Sequence: A304384
Score: 15.3752
Type of gen. func.: ogf

$$-\frac{2 (142 x - 155)}{(2 x - 1) (x - 1)}$$

Sequence: A304384
Score: 16.6303
Type of gen. func.: ogf

$$-\frac{2\,(142\,x-155)}{(2\,x-1)\,(x-1)}$$

Sequence: A304384
Score: 8.48839
Type of gen. func.: ogf

$$(349\,f(x)+100468)\,(2\,f(x)\,x^{2}-3\,f(x)\,x+f(x)+284\,x-310)$$

Sequence: A304384
Score: 9.47543
Type of gen. func.: ogf

$\{-a(n+2)+3\,a(n+1)-2\,a(n),\ a(0)=310,\ a(1)=646\}$

Sequence: A304385
Score: 14.5234
Type of gen. func.: ogf

$$-\frac{322\,x-353}{(2\,x-1)\,(x-1)}$$

Sequence: A304385
Score: 15.7089
Type of gen. func.: ogf

$$-\frac{322\,x-353}{(2\,x-1)\,(x-1)}$$

Sequence: A304385
Score: 8.01812
Type of gen. func.: ogf

$$(799 f(x) + 261122) (2 f(x) x^2 - 3 f(x) x + f(x) + 322 x - 353)$$

Sequence: A304385
Score: 8.95044
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 353, a(1) = 737\}$$

Sequence: A304385
Score: 9.50294
Type of gen. func.: lgdogf

$$- \frac{-644 x^2 + 1412 x - 737}{-644 x^3 + 1672 x^2 - 1381 x + 353}$$

Sequence: A304387
Score: 10.1497
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 22, a(1) = 49\}$$

Sequence: A304387
Score: 12.0081
Type of gen. func.: lgdogf

$$- \frac{-34 x^2 + 88 x - 49}{-34 x^3 + 95 x^2 - 83 x + 22}$$

Sequence: A304387
Score: 16.7171
Type of gen. func.: ogf

$$- \frac{17 x - 22}{(2 x - 1) (x - 1)}$$

Sequence: A304387
Score: 18.1398
Type of gen. func.: ogf

$$-\frac{17 x - 22}{(2 x - 1) (x - 1)}$$

Sequence: A304387
Score: 9.36891
Type of gen. func.: ogf

$$(59 f(x) + 1103) (2 f(x) x^2 - 3 f(x) x + f(x) + 17 x - 22)$$

Sequence: A304388
Score: 10.4518
Type of gen. func.: lgdogf

$$-\frac{-124 x^2 + 268 x - 139}{-124 x^3 + 320 x^2 - 263 x + 67}$$

Sequence: A304388
Score: 15.7801
Type of gen. func.: ogf

$$-\frac{4 (62 x - 67)}{(2 x - 1) (x - 1)}$$

Sequence: A304388
Score: 16.4242
Type of gen. func.: ogf

$$-\frac{4 (62 x - 67)}{(2 x - 1) (x - 1)}$$

Sequence: A304388
Score: 8.47141
Type of gen. func.: ogf

$$(149 f(x) + 37352) (2 f(x) x^2 - 3 f(x) x + f(x) + 248 x - 268)$$

Sequence: A304388
Score: 9.35797
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 268, a(1) = 556\}$$

Sequence: A304389
Score: 10.1054
Type of gen. func.: ogf

$$(263 f(x) + 55672) (2 f(x) x^2 - 3 f(x) x + f(x) + 208 x - 230)$$

Sequence: A304389
Score: 11.1629
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 230, a(1) = 482\}$$

Sequence: A304389
Score: 12.3078
Type of gen. func.: lgdogf

$$-\frac{-208 x^2 + 460 x - 241}{-208 x^3 + 542 x^2 - 449 x + 115}$$

Sequence: A304389
Score: 18.1134
Type of gen. func.: ogf

$$-\frac{2 (104 x - 115)}{(2 x - 1) (x - 1)}$$

Sequence: A304389
Score: 19.5920
Type of gen. func.: ogf

$$-\frac{2\,(104\,x-115)}{(2\,x-1)\,(x-1)}$$

Sequence: A304421
Score: 10.7845
Type of gen. func.: ogf

$$-\frac{x^2+4\,x+1}{2\,x^3+3\,x^2+3\,x-1}$$

Sequence: A304421
Score: 10.7845
Type of gen. func.: ogf

$$-\frac{x^2+4\,x+1}{2\,x^3+3\,x^2+3\,x-1}$$

Sequence: A304421
Score: 5.39227
Type of gen. func.: ogf

$$-(9929\,f(x)+16179)\,(2\,f(x)\,x^3+3\,f(x)\,x^2+3\,f(x)\,x+x^2-f(x)+4\,x+1)$$

Sequence: A304421
Score: 5.82173
Type of gen. func.: ogf

$$\{-a(n+3)+3\,a(n+2)+3\,a(n+1)+2\,a(n),\ a(0)=1,\ a(1)=7,\ a(2)=25\}$$

Sequence: A304421
Score: 6.51343
Type of gen. func.: lgdogf

$$-\frac{2x^4+16x^3+15x^2+8x+7}{2x^5+11x^4+17x^3+14x^2-x-1}$$

Sequence: A304467
Score: 3.2581
Type of gen. func.: ogf

$$(x+1)(48x^{10}+18x^9-169x^8+27x^7+22x^6+187x^5-108x^4-11x^3-27x^2+5x+4) \Big/ ((x^2+2x-1)(10x^8-10x^6-11x^5+2x^4+11x^3+x^2+x-1))$$

Sequence: A304487
Score: 13.5033
Type of gen. func.: ogf

$$\frac{x^3+5x^2+x+1}{(x+1)(x-1)^4}$$

Sequence: A304490
Score: 5.03198
Type of gen. func.: ogf

$$-(x^{16}-x^{15}-x^{14}+x^{13}-2x^{12}+2x^{11}+x^{10}-x^9+3x^8-4x^7+x^6-2x^5-2x^3-2x^2+x-1) \Big/ ((x-1)^2(x^2+x+1)^2(x^2-x+1)^2)$$

Sequence: A304498
Score: 6.21267
Type of gen. func.: ogf

$$\frac{3x^8+2x^7+2x^6+2x^5+3x^4+2x^3+2x^2+3x+2}{(x^2+x+1)(x^6+x^3+1)(x-1)^2}$$

Sequence: A304498
Score: 7.51168
Type of gen. func.: ogf

$$\frac{3x^8+2x^7+2x^6+2x^5+3x^4+2x^3+2x^2+3x+2}{(x^2+x+1)(x^6+x^3+1)(x-1)^2}$$

Sequence: A304501
Score: 4.77622
Type of gen. func.: ogf

$$-(x^{23}-x^{22}-x^{14}+x^{13}-3x^8-2x^7-2x^6-2x^5-3x^4-2x^3-3x^2-2x-2) \Big/ ((x^6+x^3+1)(x^2+x+1)(x-1)^2)$$

Sequence: A304501
Score: 5.65949
Type of gen. func.: ogf

$$-(x^{23}-x^{22}-x^{14}+x^{13}-3x^8-2x^7-2x^6-2x^5-3x^4-2x^3-3x^2-2x-2) \Big/ ((x^6+x^3+1)(x^2+x+1)(x-1)^2)$$

Sequence: A304503
Score: 14.9893
Type of gen. func.: ogf

$$-\frac{6(7x+2)}{(x-1)^3}$$

Sequence: A304503
Score: 16.4883
Type of gen. func.: lgdogf

$$-14x-13$$

$$- \frac{}{-7 x^2 + 5 x + 2}$$

Sequence: A304503
Score: 22.2814
Type of gen. func.: ogf

$$- \frac{6 (7 x + 2)}{(x - 1)^3}$$

Sequence: A304503
Score: 7.10701
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 12, a(1) = 78, a(2) = 198}

Sequence: A304503
Score: 7.36083
Type of gen. func.: ogf

$$(1863 f(x) - 61976) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 42 x + 12)$$

Sequence: A304504
Score: 12.3968
Type of gen. func.: lgdogf

$$- \frac{x^2 + 46 x + 34}{x^3 + 21 x^2 - 18 x - 4}$$

Sequence: A304504
Score: 13.3806
Type of gen. func.: ogf

$$- \frac{3 (x^2 + 22 x + 4)}{(x - 1)^3}$$

Sequence: A304504
Score: 18.3257
Type of gen. func.: ogf

$$-\frac{3\,(x^2 + 22\,x + 4)}{(x - 1)^3}$$

Sequence: A304504
Score: 6.96678
Type of gen. func.: ogf

$$(7911\,f(x) - 365587)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 3\,x^2 - f(x) + 66\,x + 12)$$

Sequence: A304504
Score: 7.20496
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 12,\ a(1) = 102,\ a(2) = 273\}$$

Sequence: A304505
Score: 15.3269
Type of gen. func.: ogf

$$-\frac{8\,(7\,x + 2)}{(x - 1)^3}$$

Sequence: A304505
Score: 16.8596
Type of gen. func.: lgdogf

$$-\frac{-14\,x - 13}{-7\,x^2 + 5\,x + 2}$$

Sequence: A304505

Score: 22.7833
Type of gen. func.: ogf

$$-\frac{8\,(7x+2)}{(x-1)^{3}}$$

Sequence: A304505
Score: 7.20496
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 16,\ a(1) = 104,\ a(2) = 264\}$$

Sequence: A304505
Score: 7.46001
Type of gen. func.: ogf

$$(5589\,f(x) - 247904)\,(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x - f(x) + 56\,x + 16)$$

Sequence: A304506
Score: 12.6152
Type of gen. func.: lgdogf

$$-\frac{x^{2} + 46\,x + 34}{x^{3} + 21\,x^{2} - 18\,x - 4}$$

Sequence: A304506
Score: 13.6164
Type of gen. func.: ogf

$$-\frac{4\,(x^{2} + 22\,x + 4)}{(x-1)^{3}}$$

Sequence: A304506
Score: 18.6486
Type of gen. func.: ogf

$$-\frac{4 (x^2 + 22 x + 4)}{(x - 1)^3}$$

Sequence: A304506
Score: 6.97427
Type of gen. func.: ogf

$$(23733 f(x) - 1462348)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 4 x^2 - f(x) + 88 x + 16)$$

Sequence: A304506
Score: 7.33192
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 16, a(1) = 136, a(2) = 364}

Sequence: A304507
Score: 15.4620
Type of gen. func.: ogf

$$-\frac{10 (7 x + 2)}{(x - 1)^3}$$

Sequence: A304507
Score: 17.0082
Type of gen. func.: lgdogf

$$-\frac{-14 x - 13}{-7 x^2 + 5 x + 2}$$

Sequence: A304507
Score: 22.3792
Type of gen. func.: ogf

$$-\frac{10 (7 x + 2)}{\quad^3}$$

$$(x - 1)$$

Sequence: A304507
Score: 7.26844
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 20, a(1) = 130, a(2) = 330\}$$

Sequence: A304507
Score: 7.52573
Type of gen. func.: ogf

$$(5589 f(x) - 309880) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 70 x + 20)$$

Sequence: A304508
Score: 12.8337
Type of gen. func.: lgdogf

$$-\frac{x^2 + 46 x + 34}{x^3 + 21 x^2 - 18 x - 4}$$

Sequence: A304508
Score: 13.6358
Type of gen. func.: ogf

$$-\frac{5 (x^2 + 22 x + 4)}{(x - 1)^3}$$

Sequence: A304508
Score: 18.9715
Type of gen. func.: ogf

$$-\frac{5 (x^2 + 22 x + 4)}{(x - 1)^3}$$

Sequence: A304508
Score: 7.03782
Type of gen. func.: ogf

$$(23733 f(x) - 1827935)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 5 x^2 - f(x) + 110 x + 20)$$

Sequence: A304508
Score: 7.45888
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 20, a(1) = 170, a(2) = 455\}$$

Sequence: A304509
Score: 11.0769
Type of gen. func.: lgdogf

$$- \frac{-32 x^2 + 116 x - 71}{-32 x^3 + 106 x^2 - 103 x + 29}$$

Sequence: A304509
Score: 16.0723
Type of gen. func.: ogf

$$- \frac{3 (16 x - 29)}{(2 x - 1) (x - 1)}$$

Sequence: A304509
Score: 17.4402
Type of gen. func.: ogf

$$- \frac{3 (16 x - 29)}{(2 x - 1) (x - 1)}$$

Sequence: A304509
Score: 9.00757

Type of gen. func.: ogf

$$(97 f(x) + 6684) (2 f(x) x^2 - 3 f(x) x + f(x) + 48 x - 87)$$

Sequence: A304509
Score: 9.64340
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 87, a(1) = 213\}$$

Sequence: A304510
Score: 10.7969
Type of gen. func.: ogf

$$(53 f(x) + 4038) (2 f(x) x^2 - 3 f(x) x + f(x) + 54 x - 96)$$

Sequence: A304510
Score: 11.5590
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 96, a(1) = 234\}$$

Sequence: A304510
Score: 13.8383
Type of gen. func.: lgdogf

$$- \frac{-18 x^2 + 64 x - 39}{-18 x^3 + 59 x^2 - 57 x + 16}$$

Sequence: A304510
Score: 19.6504
Type of gen. func.: ogf

$$- \frac{6 (9 x - 16)}{(2 x - 1) (x - 1)}$$

```
Sequence:  A304510
Score: 20.9047
Type of gen. func.: ogf


                                  6 (9 x - 16)
                              - -----------------
                                (2 x - 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A304511
Score: 10.0828
Type of gen. func.: ogf


                                    2
         (81 f(x) + 29072) (2 f(x) x  - 3 f(x) x + f(x) + 264 x - 450)



------------------------------------------------------------------------------

Sequence:  A304511
Score: 10.8940
Type of gen. func.: ogf


           {-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 450, a(1) = 1086}



------------------------------------------------------------------------------

Sequence:  A304511
Score: 12.6371
Type of gen. func.: lgdogf


                                    2
                               -88 x  + 300 x - 181
                         - ----------------------------
                                3        2
                           -88 x  + 282 x  - 269 x + 75



------------------------------------------------------------------------------

Sequence:  A304511
Score: 18.5839
Type of gen. func.: ogf


                                  6 (44 x - 75)
                              - -----------------
                                (2 x - 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A304511
Score: 19.3425
Type of gen. func.: ogf


                                  6 (44 x - 75)
```

$$-\frac{}{(2 x - 1) (x - 1)}$$

Sequence: A304512
Score: 11.2692
Type of gen. func.: lgdogf

$$-\frac{-54 x^2 + 176 x - 105}{-54 x^3 + 169 x^2 - 159 x + 44}$$

Sequence: A304512
Score: 16.2537
Type of gen. func.: ogf

$$-\frac{12 (27 x - 44)}{(2 x - 1) (x - 1)}$$

Sequence: A304512
Score: 17.2488
Type of gen. func.: ogf

$$-\frac{12 (27 x - 44)}{(2 x - 1) (x - 1)}$$

Sequence: A304512
Score: 8.89675
Type of gen. func.: ogf

$$(139 f(x) + 58908) (2 f(x) x^2 - 3 f(x) x + f(x) + 324 x - 528)$$

Sequence: A304512
Score: 9.71485
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 528, a(1) = 1260\}$$

Sequence: A304513
Score: 11.0101
Type of gen. func.: ogf

$$(17 f(x) + 893) (2 f(x) x^2 - 3 f(x) x + f(x) - 19 x - 19)$$

Sequence: A304513
Score: 11.7965
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 19, a(1) = 76\}$$

Sequence: A304513
Score: 15.4829
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 4 x - 4}{2 x^3 - x^2 - 2 x + 1}$$

Sequence: A304513
Score: 19.8181
Type of gen. func.: ogf

$$\frac{19 (x + 1)}{(2 x - 1) (x - 1)}$$

Sequence: A304513
Score: 21.0831
Type of gen. func.: ogf

$$\frac{19 (x + 1)}{(2 x - 1) (x - 1)}$$

Sequence: A304514
Score: 11.6428
Type of gen. func.: ogf

$$(59 f(x) + 1284) (2 f(x) x^2 - 3 f(x) x + f(x) - 24 x - 21)$$

Sequence: A304514
Score: 12.6130
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 21, a(1) = 87\}$$

Sequence: A304514
Score: 15.1356
Type of gen. func.: lgdogf

$$- \frac{16 x^2 + 28 x - 29}{16 x^3 - 10 x^2 - 13 x + 7}$$

Sequence: A304514
Score: 21.6223
Type of gen. func.: ogf

$$\frac{3 (8 x + 7)}{(2 x - 1) (x - 1)}$$

Sequence: A304514
Score: 22.5423
Type of gen. func.: ogf

$$\frac{3 (8 x + 7)}{(2 x - 1) (x - 1)}$$

Sequence: A304515
Score: 14.1634
Type of gen. func.: ogf

$$(143 f(x) + 14838) (2 f(x) x^2 - 3 f(x) x + f(x) - 126 x - 96)$$

Sequence: A304515
Score: 15.6631

Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 96, a(1) = 414\}$$

Sequence: A304515
Score: 18.7515
Type of gen. func.: lgdogf

$$-\frac{42 x^2 + 64 x - 69}{42 x^3 - 31 x^2 - 27 x + 16}$$

Sequence: A304515
Score: 26.105
Type of gen. func.: ogf

$$\frac{6 (21 x + 16)}{(2 x - 1) (x - 1)}$$

Sequence: A304515
Score: 27.7367
Type of gen. func.: ogf

$$\frac{6 (21 x + 16)}{(2 x - 1) (x - 1)}$$

Sequence: A304516
Score: 10.3242
Type of gen. func.: ogf

$$(347 f(x) + 43158) (2 f(x) x^2 - 3 f(x) x + f(x) - 162 x - 111)$$

Sequence: A304516
Score: 11.4047
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 111, a(1) = 495\}$$

Sequence: A304516
Score: 13.0774
Type of gen. func.: lgdogf

$$-\frac{108 x^2 + 148 x - 165}{108 x^3 - 88 x^2 - 57 x + 37}$$

Sequence: A304516
Score: 19.2314
Type of gen. func.: ogf

$$\frac{3 (54 x + 37)}{(2 x - 1) (x - 1)}$$

Sequence: A304516
Score: 20.0164
Type of gen. func.: ogf

$$\frac{3 (54 x + 37)}{(2 x - 1) (x - 1)}$$

Sequence: A304517
Score: 11.2521
Type of gen. func.: ogf

$$(75 f(x) + 1234) (2 f(x) x^2 - 3 f(x) x + f(x) + 10 x - 21)$$

Sequence: A304517
Score: 12.1898
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 21, a(1) = 53\}$$

Sequence: A304517
Score: 14.4217
Type of gen. func.: lgdogf

$$-\frac{-20 x^2 + 84 x - 53}{-20 x^3 + 72 x^2 - 73 x + 21}$$

Sequence: A304517
Score: 20.0773
Type of gen. func.: ogf

$$-\frac{10 x - 21}{(2 x - 1) (x - 1)}$$

Sequence: A304517
Score: 21.7860
Type of gen. func.: ogf

$$-\frac{10 x - 21}{(2 x - 1) (x - 1)}$$

Sequence: A304518
Score: 11.1858
Type of gen. func.: ogf

$$(161 f(x) + 10796) (2 f(x) x^2 - 3 f(x) x + f(x) + 36 x - 86)$$

Sequence: A304518
Score: 12.2386
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 86, a(1) = 222\}$$

Sequence: A304518
Score: 13.8704
Type of gen. func.: lgdogf

$$-\frac{-36 x^2 + 172 x - 111}{-36 x^3 + 140 x^2 - 147 x + 43}$$

Sequence: A304518
Score: 20.3976
Type of gen. func.: ogf

$$-\frac{2\,(18\,x-43)}{(2\,x-1)\,(x-1)}$$

Sequence: A304518
Score: 22.1336
Type of gen. func.: ogf

$$-\frac{2\,(18\,x-43)}{(2\,x-1)\,(x-1)}$$

Sequence: A304519
Score: 10.7969
Type of gen. func.: ogf

$$(43\,f(x)+2944)\,(2\,f(x)\,x^2-3\,f(x)\,x+f(x)+32\,x-88)$$

Sequence: A304519
Score: 11.5590
Type of gen. func.: ogf

$$\{-a(n+2)+3\,a(n+1)-2\,a(n),\ a(0)=88,\ a(1)=232\}$$

Sequence: A304519
Score: 14.2394
Type of gen. func.: lgdogf

$$-\frac{-8\,x^2+44\,x-29}{-8\,x^3+34\,x^2-37\,x+11}$$

Sequence: A304519
Score: 19.6504
Type of gen. func.: ogf

$$-\frac{8(4x-11)}{(2x-1)(x-1)}$$

Sequence: A304519
Score: 20.9047
Type of gen. func.: ogf

$$-\frac{8(4x-11)}{(2x-1)(x-1)}$$

Sequence: A304567
Score: 4.84345
Type of gen. func.: ogf

$$-(15x^{14}-60x^{11}+8x^{10}+5x^{9}+90x^{8}-12x^{7}+31x^{6}-60x^{5}+23x^{3}+15x^{2}+4x+1)\Big/\left((x-1)^{5}(x^{2}+x+1)^{5}\right)$$

Sequence: A304567
Score: 5.49798
Type of gen. func.: ogf

$$-(15x^{14}-60x^{11}+8x^{10}+5x^{9}+90x^{8}-12x^{7}+31x^{6}-60x^{5}+23x^{3}+15x^{2}+4x+1)\Big/\left((x-1)^{5}(x^{2}+x+1)^{5}\right)$$

Sequence: A304577
Score: 2.25085
Type of gen. func.: ogf

$$-x^{4}(x^{16}+x^{12}+x^{11}+x^{8}+x^{6}+x^{4}+x^{3}+x^{2}+x+1)\Big/\Big((x-1)(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x^{2}+x+1)(x^{12}-x^{11}+x^{9}-x^{8}+x^{6}-x^{4}+x^{3}-x+1)\Big)$$

Sequence: A304577
Score: 4.72869
Type of gen. func.: ogf

$$-x^{4} (x^{16} + x^{12} + x^{11} + x^{8} + x^{6} + x^{4} + x^{3} + x^{2} + x + 1) / ((x - 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x^{2} + x + 1) (x^{12} - x^{11} + x^{9} - x^{8} + x^{6} - x^{4} + x^{3} - x + 1))$$

Sequence: A304578
Score: 5.97126
Type of gen. func.: ogf

$$-\frac{4725 x^{5} - 4635 x^{4} + 1942 x^{3} - 434 x^{2} + 53 x - 3}{(5 x - 1)^{3} (3 x - 1)^{3}}$$

Sequence: A304578
Score: 8.73218
Type of gen. func.: ogf

$$-\frac{4725 x^{5} - 4635 x^{4} + 1942 x^{3} - 434 x^{2} + 53 x - 3}{(5 x - 1)^{3} (3 x - 1)^{3}}$$

Sequence: A304579
Score: 15.2461
Type of gen. func.: ogf

$$-\frac{2 (3 x^{4} + 10 x^{2} - 2 x + 1)}{(x - 1)^{5}}$$

Sequence: A304579
Score: 8.15139
Type of gen. func.: lgdogf

$$-\frac{-3x^4 - 12x^3 - 30x^2 - 12x - 3}{-3x^5 + 3x^4 - 10x^3 + 12x^2 - 3x + 1}$$

Sequence: A304579
Score: 9.35557
Type of gen. func.: ogf

$$-\frac{2(3x^4 + 10x^2 - 2x + 1)}{(x-1)^5}$$

Sequence: A304580
Score: 5.87007
Type of gen. func.: ogf

$$-\frac{6x^9 + 3x^8 - 2x^7 + 2x^6 - 2x^5 + 2x^4 - 2x^3 + 2x^2 + 8x + 1}{(x-1)(x+1)(x^8+1)}$$

Sequence: A304580
Score: 6.20689
Type of gen. func.: ogf

$$-\frac{6x^9 + 3x^8 - 2x^7 + 2x^6 - 2x^5 + 2x^4 - 2x^3 + 2x^2 + 8x + 1}{(x-1)(x+1)(x^8+1)}$$

Sequence: A304583
Score: 4.70335
Type of gen. func.: ogf

$$-\frac{8x^9 + 11x^8 + 9x^7 + 11x^6 + 9x^5 + 11x^4 + 9x^3 + 11x^2 + 9x + 1}{(x-1)(x+1)(x^2+x+1)(x^6+x^3+1)}$$

Sequence: A304583

Score: 6.20689
Type of gen. func.: ogf

$$-\frac{8x^9+11x^8+9x^7+11x^6+9x^5+11x^4+9x^3+11x^2+9x+1}{(x-1)(x+1)(x^2+x+1)(x^6+x^3+1)}$$

Sequence: A304599
Score: 4.80068
Type of gen. func.: ogf

$$\frac{12x^9+14x^8+28x^7+13x^6-22x^5-24x^4-16x^3+x+4}{6x^7+7x^6+2x^5-2x^4-4x^3-2x^2-x+1}$$

Sequence: A304599
Score: 4.93402
Type of gen. func.: ogf

$$\frac{12x^9+14x^8+28x^7+13x^6-22x^5-24x^4-16x^3+x+4}{6x^7+7x^6+2x^5-2x^4-4x^3-2x^2-x+1}$$

Sequence: A304605
Score: 10.6793
Type of gen. func.: ogf

$$\{a(n+2)-3a(n+1)+2a(n),\ a(0)=122,\ a(1)=218\}$$

Sequence: A304605
Score: 11.9275
Type of gen. func.: lgdogf

$$-\frac{-148x^2+244x-109}{-148x^3+344x^2-257x+61}$$

Sequence: A304605

Score: 18.0082
Type of gen. func.: ogf

$$-\frac{2(74x-61)}{(2x-1)(x-1)}$$

Sequence: A304605
Score: 18.7433
Type of gen. func.: ogf

$$-\frac{2(74x-61)}{(2x-1)(x-1)}$$

Sequence: A304605
Score: 9.37163
Type of gen. func.: ogf

$$-(83f(x)+13636)(2f(x)x^2-3f(x)x+f(x)+148x-122)$$

Sequence: A304606
Score: 11.0309
Type of gen. func.: lgdogf

$$-\frac{-82x^2+136x-61}{-82x^3+191x^2-143x+34}$$

Sequence: A304606
Score: 16.0056
Type of gen. func.: ogf

$$-\frac{4(41x-34)}{(2x-1)(x-1)}$$

Sequence: A304606
Score: 16.6589
Type of gen. func.: ogf

$$4(41x-34)$$

```
                              - -----------------
                                (2 x - 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A304606
Score: 8.41533
Type of gen. func.: ogf


                                    2
         -(47 f(x) + 8492) (2 f(x) x  - 3 f(x) x + f(x) + 164 x - 136)



------------------------------------------------------------------------------

Sequence:  A304606
Score: 9.49172
Type of gen. func.: ogf


            {a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 136, a(1) = 244}



------------------------------------------------------------------------------

Sequence:  A304607
Score: 10.185
Type of gen. func.: ogf


                                     2
         -(31 f(x) + 27104) (2 f(x) x  - 3 f(x) x + f(x) + 784 x - 644)



------------------------------------------------------------------------------

Sequence:  A304607
Score: 11.4728
Type of gen. func.: ogf


           {a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 644, a(1) = 1148}



------------------------------------------------------------------------------

Sequence:  A304607
Score: 13.8630
Type of gen. func.: lgdogf


                                    2
                               -56 x  + 92 x - 41
                         - ---------------------------
                                3        2
                           -56 x  + 130 x  - 97 x + 23



------------------------------------------------------------------------------

Sequence:  A304607
Score: 19.1948
Type of gen. func.: ogf
```

$$-\frac{28\,(28\,x-23)}{(2\,x-1)\,(x-1)}$$

Sequence: A304607
Score: 20.3701
Type of gen. func.: ogf

$$-\frac{28\,(28\,x-23)}{(2\,x-1)\,(x-1)}$$

Sequence: A304608
Score: 10.8151
Type of gen. func.: ogf

$$\{a(n+2)-3\,a(n+1)+2\,a(n),\ a(0)=754,\ a(1)=1330\}$$

Sequence: A304608
Score: 11.6162
Type of gen. func.: lgdogf

$$-\frac{-932\,x^{2}+1508\,x-665}{-932\,x^{3}+2152\,x^{2}-1597\,x+377}$$

Sequence: A304608
Score: 17.7531
Type of gen. func.: ogf

$$-\frac{2\,(466\,x-377)}{(2\,x-1)\,(x-1)}$$

Sequence: A304608
Score: 19.2023
Type of gen. func.: ogf

$$-\frac{2\,(466\,x-377)}{(2\,x-1)\,(x-1)}$$

Sequence: A304608
Score: 9.40912
Type of gen. func.: ogf

$$-(487 f(x) + 517252) (2 f(x) x^2 - 3 f(x) x + f(x) + 932 x - 754)$$

Sequence: A304609
Score: 13.2526
Type of gen. func.: lgdogf

$$-\frac{10 x + 104}{10 x^2 + 37 x - 47}$$

Sequence: A304609
Score: 15.2264
Type of gen. func.: ogf

$$\frac{2 (10 x + 47)}{(x - 1)^2}$$

Sequence: A304609
Score: 18.3498
Type of gen. func.: ogf

$$\frac{2 (10 x + 47)}{(x - 1)^2}$$

Sequence: A304609
Score: 7.8642
Type of gen. func.: ogf

$$(57 f(x) + 5458) (f(x) x^2 - 2 f(x) x + f(x) - 20 x - 94)$$

Sequence: A304609

Score: 8.41933
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 94, a(1) = 208\}$$

Sequence: A304610
Score: 13.2129
Type of gen. func.: lgdogf

$$-\frac{40 x + 274}{40 x^2 + 77 x - 117}$$

Sequence: A304610
Score: 15.1398
Type of gen. func.: ogf

$$\frac{40 x + 117}{(x - 1)^2}$$

Sequence: A304610
Score: 20.1864
Type of gen. func.: ogf

$$\frac{40 x + 117}{(x - 1)^2}$$

Sequence: A304610
Score: 7.73095
Type of gen. func.: ogf

$$(157 f(x) + 19169) (f(x) x^2 - 2 f(x) x + f(x) - 40 x - 117)$$

Sequence: A304610
Score: 8.45010
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 117, a(1) = 274\}$$

Sequence: A304611
Score: 10.2795
Type of gen. func.: ogf

$$(155 f(x) + 18857) (f(x) x^2 - 2 f(x) x + f(x) - 38 x - 117)$$

Sequence: A304611
Score: 11.2357
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 117, a(1) = 272\}$$

Sequence: A304611
Score: 17.5685
Type of gen. func.: lgdogf

$$-\frac{38 x + 272}{38 x^2 + 79 x - 117}$$

Sequence: A304611
Score: 20.1306
Type of gen. func.: ogf

$$\frac{38 x + 117}{(x - 1)^2}$$

Sequence: A304611
Score: 26.8408
Type of gen. func.: ogf

$$\frac{38 x + 117}{(x - 1)^2}$$

Sequence: A304612
Score: 10.0121

Type of gen. func.: ogf

```
                                         2
(47 f(x) + 1397) (2 f(x) x  - 3 f(x) x + f(x) - x - 37)
```

Sequence: A304612
Score: 10.6011
Type of gen. func.: ogf

```
{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 37, a(1) = 112}
```

Sequence: A304612
Score: 12.5152
Type of gen. func.: lgdogf

```
           2
        2 x  + 148 x - 112
   - -------------------------
        3       2
     2 x  + 71 x  - 110 x + 37
```

Sequence: A304612
Score: 19.5889
Type of gen. func.: ogf

```
        x + 37
   -----------------
   (2 x - 1) (x - 1)
```

Sequence: A304612
Score: 19.5890
Type of gen. func.: ogf

```
        x + 37
   -----------------
   (2 x - 1) (x - 1)
```

Sequence: A304613
Score: 11.6824
Type of gen. func.: lgdogf

```
            2
         2 x  + 56 x - 43
   - ------------------------
         3       2
```

$$2 x + 25 x - 41 x + 14$$

Sequence: A304613
Score: 16.1217
Type of gen. func.: ogf

$$\frac{3 (x + 14)}{(2 x - 1) (x - 1)}$$

Sequence: A304613
Score: 17.5236
Type of gen. func.: ogf

$$\frac{3 (x + 14)}{(2 x - 1) (x - 1)}$$

Sequence: A304613
Score: 8.95649
Type of gen. func.: ogf

$$(73 f(x) + 2481) (2 f(x) x^2 - 3 f(x) x + f(x) - 3 x - 42)$$

Sequence: A304613
Score: 9.48334
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 42, a(1) = 129\}$$

Sequence: A304614
Score: 11.6195
Type of gen. func.: lgdogf

$$- \frac{8 x^2 + 132 x - 103}{8 x^3 + 54 x^2 - 95 x + 33}$$

Sequence: A304614

Score: 16.4997
Type of gen. func.: ogf

$$\frac{6 (4 x + 33)}{(2 x - 1) (x - 1)}$$

Sequence: A304614
Score: 17.1872
Type of gen. func.: ogf

$$\frac{6 (4 x + 33)}{(2 x - 1) (x - 1)}$$

Sequence: A304614
Score: 8.96726
Type of gen. func.: ogf

$$(59 f(x) + 9536) (2 f(x) x^2 - 3 f(x) x + f(x) - 24 x - 198)$$

Sequence: A304614
Score: 9.59288
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 198, a(1) = 618\}$$

Sequence: A304615
Score: 10.2827
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 234, a(1) = 741\}$$

Sequence: A304615
Score: 13.1987
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 24 x - 19}{2 x^3 + 9 x^2 - 17 x + 6}$$

Sequence: A304615
Score: 17.6862
Type of gen. func.: ogf

$$\frac{39 (x + 6)}{(2 x - 1) (x - 1)}$$

Sequence: A304615
Score: 18.4232
Type of gen. func.: ogf

$$\frac{39 (x + 6)}{(2 x - 1) (x - 1)}$$

Sequence: A304615
Score: 9.61208
Type of gen. func.: ogf

$$(11 f(x) + 2119) (2 f(x) x^2 - 3 f(x) x + f(x) - 39 x - 234)$$

Sequence: A304616
Score: 12.7015
Type of gen. func.: lgdogf

$$- \frac{-29 x^2 - 46 x - 6}{-29 x^3 + 35 x^2 - 10 x + 4}$$

Sequence: A304616
Score: 13.4831
Type of gen. func.: ogf

$$- \frac{6 (29 x^2 - 6 x + 4)}{(x - 1)^3}$$

Sequence: A304616
Score: 19.0522
Type of gen. func.: ogf

$$-\frac{6\,(29\,x^{2}-6\,x+4)}{(x-1)^{3}}$$

Sequence: A304616
Score: 6.6901
Type of gen. func.: ogf

$$-(534357\,f(x)-26805178)$$

$$(f(x)\,x^{3}-3\,f(x)\,x^{2}+3\,f(x)\,x+174\,x^{2}-f(x)-36\,x+24)$$

Sequence: A304616
Score: 7.55520
Type of gen. func.: ogf

$$\{a(n+3)-3\,a(n+2)+3\,a(n+1)-a(n),\ a(0)=24,\ a(1)=36,\ a(2)=210\}$$

Sequence: A304617
Score: 12.5914
Type of gen. func.: lgdogf

$$-\frac{-107\,x^{2}-378\,x-163}{-107\,x^{3}+25\,x^{2}+55\,x+27}$$

Sequence: A304617
Score: 14.3084
Type of gen. func.: ogf

$$-\frac{3\,(107\,x^{2}+82\,x+27)}{(x-1)^{3}}$$

Sequence: A304617

Score: 19.2725
Type of gen. func.: ogf

$$-\frac{3\,(107\,x^2 + 82\,x + 27)}{(x - 1)^3}$$

Sequence: A304617
Score: 7.26426
Type of gen. func.: ogf

$$(4575933\,f(x) - 927994063)$$

$$(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x + 321\,x^2 - f(x) + 246\,x + 81)$$

Sequence: A304617
Score: 8.00299
Type of gen. func.: ogf

$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 81,\ a(1) = 489,\ a(2) = 1545\}$

Sequence: A304618
Score: 12.5531
Type of gen. func.: lgdogf

$$-\frac{-x^2 + 42\,x + 67}{-x^3 + 23\,x^2 - 7\,x - 15}$$

Sequence: A304618
Score: 13.3376
Type of gen. func.: ogf

$$\frac{6\,(x^2 - 22\,x - 15)}{(x - 1)^3}$$

Sequence: A304618
Score: 18.1619

Type of gen. func.: ogf

$$\frac{6 (x^2 - 22 x - 15)}{(x - 1)^3}$$

Sequence: A304618
Score: 6.88395
Type of gen. func.: ogf

$$(62127 f(x) - 9315832)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 6 x^2 - f(x) + 132 x + 90)$$

Sequence: A304618
Score: 7.29580
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 90, a(1) = 402, a(2) = 930}

Sequence: A304619
Score: 13.3800
Type of gen. func.: lgdogf

$$- \frac{-x^2 + 82 x + 81}{-x^3 + 43 x^2 - 29 x - 13}$$

Sequence: A304619
Score: 13.9881
Type of gen. func.: ogf

$$\frac{12 (x^2 - 42 x - 13)}{(x - 1)^3}$$

Sequence: A304619
Score: 19.2337
Type of gen. func.: ogf

$$\frac{12\,(x^{2} - 42\,x - 13)}{(x - 1)^{3}}$$

Sequence: A304619
Score: 7.10167
Type of gen. func.: ogf

$(1090584\,f(x) - 452540059)$

$(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x - 12\,x^{2} - f(x) + 504\,x + 156)$

Sequence: A304619
Score: 7.75813
Type of gen. func.: ogf

$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 156,\ a(1) = 972,\ a(2) = 2436$

$\}$

Sequence: A304630
Score: 15.8562
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^{3} - x - 2}{(x - 1)\,(x^{2} + x + 1)}$$

Sequence: A304630
Score: 19.6399
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{3} - x - 2}{-x^{3} + 1}$$

Sequence: A304631
Score: 11.7513

Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^4 - x^2 + x - 2}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A304631
Score: 15.8094
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^4 - x^2 + x - 2}{-x^4 + 1}$$

Sequence: A304632
Score: 17.6216
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^6 - x^4 - 2}{-x^6 + 1}$$

Sequence: A304632
Score: 9.66971
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^6 - x^4 - 2}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A304659
Score: 13.1951
Type of gen. func.: ogf

$$\frac{x (11 x + 5)}{(x - 1)^4}$$

Sequence: A304659
Score: 17.0760
Type of gen. func.: lgdogf

$$-\frac{-33 x - 31}{-11 x^2 + 6 x + 5}$$

Sequence: A304659
Score: 22.9178
Type of gen. func.: ogf

$$\frac{x (11 x + 5)}{(x - 1)^4}$$

Sequence: A304659
Score: 5.65505
Type of gen. func.: ogf

$\{(-10 - 5 n) a(n + 3) + (25 - 6 n) a(n + 2) + (33 + 11 n) a(n + 1), a(0) = 0,$

$a(1) = 5, a(2) = 31\}$

Sequence: A304659
Score: 6.09005
Type of gen. func.: ogf

$(462110720 f(x) + 2946150733)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 11 x^2 + f(x) - 5 x)$$

Sequence: A304664
Score: 3.56146
Type of gen. func.: ogf

$$-\frac{x^{11} + 2 x^{10} + x^9 + 4 x^8 + 4 x^7 + 9 x^6 + x^5 - 5 x^3 - 4 x^2 - 6 x - 3}{(x - 1) (x^2 + x + 1) (x^9 + 2 x^8 + 3 x^6 + 2 x^5 + x^4 + 3 x^3 + x - 1)}$$

Sequence: A304664
Score: 4.22509
Type of gen. func.: ogf

$$-\frac{x^{11} + 2 x^{10} + x^{9} + 4 x^{8} + 4 x^{7} + 9 x^{6} + x^{5} - 5 x^{3} - 4 x^{2} - 6 x - 3}{(x - 1) (x^{2} + x + 1) (x^{9} + 2 x^{8} + 3 x^{6} + 2 x^{5} + x^{4} + 3 x^{3} + x - 1)}$$

Sequence: A304723
Score: 13.0266
Type of gen. func.: ogf

$$-75 f(x) x^{2} + 20 f(x) x - f(x) + x$$

Sequence: A304723
Score: 14.9928
Type of gen. func.: lgdogf

$$-\frac{150 x - 20}{75 x^{2} - 20 x + 1}$$

Sequence: A304723
Score: 20.9111
Type of gen. func.: ogf

$$\frac{x}{(15 x - 1) (5 x - 1)}$$

Sequence: A304723
Score: 22.7034
Type of gen. func.: ogf

$$\frac{x}{(15 x - 1) (5 x - 1)}$$

Sequence: A304723
Score: 9.57373
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1) + 75 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A304725
Score: 13.9089
Type of gen. func.: ogf

$$\frac{x^4 - 7 x^3 + 21 x^2 - 37 x - 2}{(x - 1)^5}$$

Sequence: A304725
Score: 7.89063
Type of gen. func.: lgdogf

$$-\frac{-x^4 + 10 x^3 - 42 x^2 + 106 x + 47}{-x^5 + 8 x^4 - 28 x^3 + 58 x^2 - 35 x - 2}$$

Sequence: A304725
Score: 8.46006
Type of gen. func.: ogf

$$\frac{x^4 - 7 x^3 + 21 x^2 - 37 x - 2}{(x - 1)^5}$$

Sequence: A304726
Score: 13.2789
Type of gen. func.: ogf

$$-\frac{8 x^4 - 5 x^3 + 25 x^2 - 7 x + 3}{(x - 1)^5}$$

Sequence: A304726
Score: 7.99311
Type of gen. func.: lgdogf

$$-\frac{-8x^4-22x^3-60x^2-22x-8}{-8x^5+13x^4-30x^3+32x^2-10x+3}$$

Sequence: A304726
Score: 8.57594
Type of gen. func.: ogf

$$-\frac{8x^4-5x^3+25x^2-7x+3}{(x-1)^5}$$

Sequence: A304770
Score: 5.83665
Type of gen. func.: ogf

$$-\frac{x^7-9x^6+22x^5+26x^4-7x^3-2x^2-17x-4}{x^5-2x^4-3x^3-x^2-x+1}$$

Sequence: A304770
Score: 5.83665
Type of gen. func.: ogf

$$-\frac{x^7-9x^6+22x^5+26x^4-7x^3-2x^2-17x-4}{x^5-2x^4-3x^3-x^2-x+1}$$

Sequence: A304788
Score: 14.2839
Type of gen. func.: lgdegf]

$$\frac{\exp(2x)\operatorname{BesselI}(1,2x)}{x}$$

Sequence: A304809
Score: 12.0801

Type of gen. func.: ogf

$$\frac{4 x^3 + 7 x^2 + 8 x + 2}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A304809
Score: 12.0801
Type of gen. func.: ogf

$$\frac{4 x^3 + 7 x^2 + 8 x + 2}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A304809
Score: 4.81806
Type of gen. func.: ogf

$$\{(-21 n - 71) a(n + 1) - 21 a(n + 2) - 21 a(n + 3) + (21 n + 50) a(n + 4),$$
$$a(0) = 2, a(1) = 10, a(2) = 17, a(3) = 23\}$$

Sequence: A304809
Score: 6.51192
Type of gen. func.: ogf

$$(93429 f(x) + 169907)$$
$$(f(x) x^4 - f(x) x^3 - 4 x^3 - f(x) x - 7 x^2 + f(x) - 8 x - 2)$$

Sequence: A304825
Score: 13.7720
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x^4 + x^3 - x^2 + x + 1}{x - 1}$$

Sequence: A304825
Score: 14.8259

Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^4 - x^3 + x^2 - x - 1}{x - 1}$$

Sequence: A304826
Score: 12.0313
Type of gen. func.: lgdogf

$$-\frac{7 x^2 + 14 x - 9}{7 x^3 - x^2 - 7 x + 1}$$

Sequence: A304826
Score: 15.9599
Type of gen. func.: ogf

$$\frac{8 (x + 1)}{(7 x - 1) (x - 1)}$$

Sequence: A304826
Score: 17.3785
Type of gen. func.: ogf

$$\frac{8 (x + 1)}{(7 x - 1) (x - 1)}$$

Sequence: A304826
Score: 8.98889
Type of gen. func.: ogf

$$(29 f(x) + 92) (7 f(x) x^2 - 8 f(x) x + f(x) - 8 x - 8)$$

Sequence: A304826
Score: 9.42208
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 7 a(n), a(0) = 8, a(1) = 72\}$$

Sequence: A304827
Score: 11.3927
Type of gen. func.: lgdogf

$$-\frac{35 x^2 + 42 x - 29}{35 x^3 - 19 x^2 - 19 x + 3}$$

Sequence: A304827
Score: 16.2753
Type of gen. func.: ogf

$$\frac{4 (5 x + 3)}{(7 x - 1) (x - 1)}$$

Sequence: A304827
Score: 16.9678
Type of gen. func.: ogf

$$\frac{4 (5 x + 3)}{(7 x - 1) (x - 1)}$$

Sequence: A304827
Score: 8.86099
Type of gen. func.: ogf

$$(95 f(x) + 542) (7 f(x) x^2 - 8 f(x) x + f(x) - 20 x - 12)$$

Sequence: A304827
Score: 9.38221
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 7 a(n), a(0) = 12, a(1) = 116\}$$

Sequence: A304828
Score: 10.4501

Type of gen. func.: lgdogf

$$-\frac{161 x^2 + 126 x - 95}{161 x^3 - 121 x^2 - 49 x + 9}$$

Sequence: A304828
Score: 15.4662
Type of gen. func.: ogf

$$\frac{8 (23 x + 9)}{(7 x - 1) (x - 1)}$$

Sequence: A304828
Score: 16.1106
Type of gen. func.: ogf

$$\frac{8 (23 x + 9)}{(7 x - 1) (x - 1)}$$

Sequence: A304828
Score: 8.22669
Type of gen. func.: ogf

$$(317 f(x) + 13276) (7 f(x) x^2 - 8 f(x) x + f(x) - 184 x - 72)$$

Sequence: A304828
Score: 9.09774
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 7 a(n), a(0) = 72, a(1) = 760\}$$

Sequence: A304829
Score: 13.3066
Type of gen. func.: ogf

$$-\frac{8 (93 x - 157)}{(7 x - 1) (x - 1)}$$

Sequence: A304829
Score: 13.8389
Type of gen. func.: ogf

$$- \frac{8 (93 x - 157)}{(7 x - 1) (x - 1)}$$

Sequence: A304829
Score: 7.06064
Type of gen. func.: ogf

$$(3553 f(x) + 947708) (7 f(x) x^2 - 8 f(x) x + f(x) + 744 x - 1256)$$

Sequence: A304829
Score: 7.86299
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 7 a(n), a(0) = 1256, a(1) = 9304\}$$

Sequence: A304829
Score: 8.43833
Type of gen. func.: lgdogf

$$- \frac{-651 x^2 + 2198 x - 1163}{-651 x^3 + 1843 x^2 - 1349 x + 157}$$

Sequence: A304830
Score: 10.5444
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 96, a(1) = 300\}$$

Sequence: A304830
Score: 13.1805
Type of gen. func.: lgdogf

$$-\frac{2x^2 + 32x - 25}{2x^3 + 13x^2 - 23x + 8}$$

Sequence: A304830
Score: 17.9254
Type of gen. func.: ogf

$$\frac{12 (x + 8)}{(2 x - 1) (x - 1)}$$

Sequence: A304830
Score: 19.0696
Type of gen. func.: ogf

$$\frac{12 (x + 8)}{(2 x - 1) (x - 1)}$$

Sequence: A304830
Score: 9.84913
Type of gen. func.: ogf

$$(43 f(x) + 3372) (2 f(x) x^2 - 3 f(x) x + f(x) - 12 x - 96)$$

Sequence: A304831
Score: 10.2129
Type of gen. func.: ogf

$$(209 f(x) + 19284) (2 f(x) x^2 - 3 f(x) x + f(x) - 24 x - 111)$$

Sequence: A304831
Score: 11.1629
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 111, a(1) = 357\}$$

Sequence: A304831
Score: 12.9731
Type of gen. func.: lgdogf

$$-\frac{16 x^2 + 148 x - 119}{16 x^3 + 50 x^2 - 103 x + 37}$$

Sequence: A304831
Score: 19.2002
Type of gen. func.: ogf

$$\frac{3 (8 x + 37)}{(2 x - 1) (x - 1)}$$

Sequence: A304831
Score: 20.0002
Type of gen. func.: ogf

$$\frac{3 (8 x + 37)}{(2 x - 1) (x - 1)}$$

Sequence: A304832
Score: 14.6654
Type of gen. func.: lgdogf

$$-\frac{-4 x^2 - 18 x + 25}{-4 x^3 - x^2 + 15 x - 10}$$

Sequence: A304832
Score: 15.8293
Type of gen. func.: ogf

$$\frac{2 (4 x^2 + 5 x - 10)}{(x - 1)^3}$$

Sequence: A304832
Score: 21.6793
Type of gen. func.: ogf

$$\frac{2\,(4\,x^2 + 5\,x - 10)}{(x - 1)^3}$$

Sequence: A304832
Score: 8.31038
Type of gen. func.: ogf

$$(359\,f(x) - 676156)\,(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x - 8\,x^2 - f(x) - 10\,x + 20)$$

Sequence: A304832
Score: 8.67170
Type of gen. func.: ogf

$$\{a(n + 3) - 3\,a(n + 2) + 3\,a(n + 1) - a(n),\ a(0) = 20,\ a(1) = 50,\ a(2) = 82\}$$

Sequence: A304833
Score: 14.7761
Type of gen. func.: lgdogf

$$-\frac{-35\,x^2 - 12\,x + 65}{-35\,x^3 + 64\,x^2 - 17\,x - 12}$$

Sequence: A304833
Score: 16.3922
Type of gen. func.: ogf

$$\frac{35\,x^2 - 29\,x - 12}{(x - 1)^3}$$

Sequence: A304833
Score: 23.8432
Type of gen. func.: ogf

$$\frac{35 x^2 - 29 x - 12}{(x - 1)^3}$$

Sequence: A304833
Score: 8.26065
Type of gen. func.: ogf

(347868 f(x) - 425629175)

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 35 x^2 - f(x) + 29 x + 12)$$

Sequence: A304833
Score: 9.04397
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 12, a(1) = 65, a(2) = 124}

Sequence: A304834
Score: 13.8474
Type of gen. func.: lgdogf

$$-\frac{-x^2 + 46 x + 63}{-x^3 + 25 x^2 - 11 x - 13}$$

Sequence: A304834
Score: 15.1662
Type of gen. func.: ogf

$$\frac{2 (x^2 - 24 x - 13)}{(x - 1)^3}$$

Sequence: A304834
Score: 20.3292
Type of gen. func.: ogf

$$\frac{2\,(x^2 - 24\,x - 13)}{(x - 1)^3}$$

Sequence: A304834
Score: 7.64378
Type of gen. func.: ogf

$$(357453\,f(x) - 17452426)$$

$$(f(x)\,x^3 - 3\,f(x)\,x^2 + 3\,f(x)\,x - 2\,x^2 - f(x) + 48\,x + 26)$$

Sequence: A304834
Score: 8.16643
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 26, a(1) = 126, a(2) = 298}

Sequence: A304835
Score: 13.9063
Type of gen. func.: lgdogf

$$-\frac{5\,x^2 + 96\,x + 61}{5\,x^3 + 38\,x^2 - 37\,x - 6}$$

Sequence: A304835
Score: 14.5482
Type of gen. func.: ogf

$$-\frac{4\,(5\,x^2 + 43\,x + 6)}{(x - 1)^3}$$

Sequence: A304835
Score: 20.5572
Type of gen. func.: ogf

$$-\frac{4 (5 x^{2} + 43 x + 6)}{(x - 1)^{3}}$$

Sequence: A304835
Score: 7.21855
Type of gen. func.: ogf

$$(21181095 f(x) - 2379376297)$$

$$(f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 20 x^{2} - f(x) + 172 x + 24)$$

Sequence: A304835
Score: 8.08232
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 24, a(1) = 244, a(2) = 680\}$$

Sequence: A304836
Score: 15.6138
Type of gen. func.: ogf

$$-\frac{6 x (4 x + 5)}{(x - 1)^{3}}$$

Sequence: A304836
Score: 18.8002
Type of gen. func.: lgdogf

$$-\frac{8 x + 19}{4 x^{2} + x - 5}$$

Sequence: A304836
Score: 22.4686
Type of gen. func.: ogf

$$-\frac{6 x (4 x + 5)}{{}^{3}}$$

$$(x - 1)$$

Sequence: A304836
Score: 7.87361
Type of gen. func.: ogf

$$(6723 f(x) - 128954) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 24 x^2 - f(x) + 30 x)$$

Sequence: A304836
Score: 8.08081
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 30, a(2) = 114\}$$

Sequence: A304837
Score: 16.6664
Type of gen. func.: ogf

$$- \frac{12 x (52 x + 29)}{(x - 1)^3}$$

Sequence: A304837
Score: 18.4845
Type of gen. func.: lgdogf

$$- \frac{-104 x - 139}{-52 x^2 + 23 x + 29}$$

Sequence: A304837
Score: 23.1056
Type of gen. func.: ogf

$$- \frac{12 x (52 x + 29)}{(x - 1)^3}$$

Sequence: A304837
Score: 7.94255
Type of gen. func.: ogf

$$(34556787 f(x) - 10839796660)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 624 x^2 - f(x) + 348 x)$$

Sequence: A304837
Score: 8.76422
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 348, a(2) = 1668\}$$

Sequence: A304838
Score: 10.7599
Type of gen. func.: lgdogf

$$- \frac{-523 x^2 - 1274 x - 147}{-523 x^3 + 409 x^2 + 103 x + 11}$$

Sequence: A304838
Score: 12.5265
Type of gen. func.: ogf

$$- \frac{6 (523 x^2 + 114 x + 11)}{(x - 1)^3}$$

Sequence: A304838
Score: 16.7855
Type of gen. func.: ogf

$$- \frac{6 (523 x^2 + 114 x + 11)}{(x - 1)^3}$$

Sequence: A304838

```
Score: 6.17113
Type of gen. func.: ogf


-(4612383 f(x) - 5642680628)

           3            2                   2
    (f(x) x  - 3 f(x) x  + 3 f(x) x + 3138 x  - f(x) + 684 x + 66)



--------------------------------------------------------------------------------

Sequence:  A304838
Score: 7.11249
Type of gen. func.: ogf


{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 66, a(1) = 882, a(2) = 5586}



--------------------------------------------------------------------------------

Sequence:  A304839
Score: 10.0595
Type of gen. func.: ogf


                                       2
            (61 f(x) + 2125) (f(x) x  - 2 f(x) x + f(x) - 38 x - 23)



--------------------------------------------------------------------------------

Sequence:  A304839
Score: 10.8978
Type of gen. func.: ogf


             {-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 23, a(1) = 84}



--------------------------------------------------------------------------------

Sequence:  A304839
Score: 17.2719
Type of gen. func.: lgdogf


                                       -38 x - 84
                                 - --------------------
                                          2
                                   -38 x  + 15 x + 23



--------------------------------------------------------------------------------

Sequence:  A304839
Score: 19.4769
Type of gen. func.: ogf


                                      38 x + 23
                                      ---------
                                             2
                                      (x - 1)
```

Sequence: A304839
Score: 26.1547
Type of gen. func.: ogf

$$\frac{38 x + 23}{(x - 1)^2}$$

Sequence: A304840
Score: 10.1278
Type of gen. func.: ogf

$$(26 f(x) + 1301) (f(x) x^2 - 2 f(x) x + f(x) - 2 x - 50)$$

Sequence: A304840
Score: 10.7235
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 50, a(1) = 102\}$$

Sequence: A304840
Score: 17.8726
Type of gen. func.: lgdogf

$$- \frac{x + 51}{x^2 + 24 x - 25}$$

Sequence: A304840
Score: 19.8152
Type of gen. func.: ogf

$$\frac{2 (x + 25)}{(x - 1)^2}$$

Sequence: A304840
Score: 23.9869

Type of gen. func.: ogf

$$\frac{2 (x + 25)}{(x - 1)^{2}}$$

Sequence: A304841
Score: 10.1885
Type of gen. func.: ogf

$$(67 f(x) + 3869) (f(x) x^{2} - 2 f(x) x + f(x) - 10 x - 57)$$

Sequence: A304841
Score: 10.9076
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 57, a(1) = 124\}$$

Sequence: A304841
Score: 17.1694
Type of gen. func.: lgdogf

$$- \frac{10 x + 124}{10 x^{2} + 47 x - 57}$$

Sequence: A304841
Score: 19.7266
Type of gen. func.: ogf

$$\frac{10 x + 57}{(x - 1)^{2}}$$

Sequence: A304841
Score: 26.49
Type of gen. func.: ogf

$$\frac{10 x + 57}{{}^{2}}$$

$$(x - 1)$$

Sequence: A304868
Score: 4.31642
Type of gen. func.: ogf

$$\frac{2 x^{11} + x^{10} + 3 x^{9} + x^{8} + 4 x^{7} + 4 x^{6} + 3 x^{5} + x^{4} + 4 x^{3} + 4 x^{2} + 4 x + 1}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A304868
Score: 6.30134
Type of gen. func.: ogf

$$\frac{2 x^{11} + x^{10} + 3 x^{9} + x^{8} + 4 x^{7} + 4 x^{6} + 3 x^{5} + x^{4} + 4 x^{3} + 4 x^{2} + 4 x + 1}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A304883
Score: 17.2584
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{4} + x + 1}{x^{6} - 1}$$

Sequence: A304883
Score: 8.7583
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{4} + x + 1}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A304885
Score: 15.9495
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^4 + x^3 + 1}{x^6 - 1}$$

Sequence: A304885
Score: 8.40634
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^4 + x^3 + 1}{(x - 1)\ (x + 1)\ (x^2 + x + 1)\ (x^2 - x + 1)}$$

Sequence: A304915
Score: 17.6872
Type of gen. func.: lgdogf

$$-\frac{2}{(16\ x - 1)\ (16\ x + 1)}$$

Sequence: A304915
Score: 21.8489
Type of gen. func.: lgdogf

$$\frac{2}{-256\ x^2 + 1}$$

Sequence: A304915
Score: 6.87836
Type of gen. func.: ogf

$$\{(n + 2)\ a(n + 2) - 2\ a(n + 1) - 256\ n\ a(n),\ a(0) = 1,\ a(1) = 2\}$$

Sequence: A304921
Score: 4.99289
Type of gen. func.: ogf

$$-\frac{8\ x^8 - 12\ x^7 - 13\ x^6 + 6\ x^5 + 16\ x^4 + 10\ x^3 - 2\ x^2 - x - 4}{}$$

$$6 x^7 + 7 x^6 + 2 x^5 - 2 x^4 - 4 x^3 - 2 x^2 - x + 1$$

Sequence: A304921
Score: 4.99290
Type of gen. func.: ogf

$$-\frac{8 x^8 - 12 x^7 - 13 x^6 + 6 x^5 + 16 x^4 + 10 x^3 - 2 x^2 - x - 4}{6 x^7 + 7 x^6 + 2 x^5 - 2 x^4 - 4 x^3 - 2 x^2 - x + 1}$$

Sequence: A304933
Score: 13.7701
Type of gen. func.: lgdogf

$$-\frac{2 (16 x + 1)}{(4 x - 1) (4 x + 1)}$$

Sequence: A304933
Score: 15.8655
Type of gen. func.: lgdogf

$$-\frac{-32 x - 2}{-16 x^2 + 1}$$

Sequence: A304933
Score: 5.40603
Type of gen. func.: ogf

$\{(-2 - n) a(n + 3) + 2 a(n + 2) + (32 + 16 n) a(n + 1), a(0) = 0, a(1) = 1,$

$a(2) = 2\}$

Sequence: A304934
Score: 13.0057
Type of gen. func.: lgdogf

$$-\frac{2 (64 x + 1)}{(8 x - 1) (8 x + 1)}$$

Sequence: A304934
Score: 14.6660
Type of gen. func.: lgdogf

$$-\frac{-128 x - 2}{-64 x^{2} + 1}$$

Sequence: A304934
Score: 5.06840
Type of gen. func.: ogf

{(-2 - n) a(n + 3) + 2 a(n + 2) + (128 + 64 n) a(n + 1), a(0) = 0, a(1) = 1,

a(2) = 2}

Sequence: A304940
Score: 14.8277
Type of gen. func.: ogf

$$-4 f(x)^{2} x + f(x)^{2} - 4 x - 1$$

Sequence: A304940
Score: 22.0168
Type of gen. func.: lgdogf

$$\frac{4}{-16 x^{2} + 1}$$

Sequence: A304940
Score: 6.79024
Type of gen. func.: ogf

{(n + 2) a(n + 2) - 4 a(n + 1) - 16 n a(n), a(0) = 1, a(1) = 4}

Sequence: A304941
Score: 19.1413
Type of gen. func.: lgdogf

$$- \frac{6}{(4 x - 1) (4 x + 1)}$$

Sequence: A304941
Score: 23.2016
Type of gen. func.: lgdogf

$$\frac{6}{-16 x^{2} + 1}$$

Sequence: A304941
Score: 7.15564
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 6 a(n + 1) - 16 n a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A304944
Score: 13.5436
Type of gen. func.: lgdogf

$$- \frac{2 (16 x + 3)}{(4 x - 1) (4 x + 1)}$$

Sequence: A304944
Score: 15.6046
Type of gen. func.: lgdogf

$$- \frac{-32 x - 6}{-16 x^{2} + 1}$$

Sequence: A304944
Score: 5.31711
Type of gen. func.: ogf

$$\{(-2 - n) a(n + 3) + 6 a(n + 2) + (32 + 16 n) a(n + 1), a(0) = 0, a(1) = 1, a(2) = 6\}$$

Sequence: A304960
Score: 13.5451
Type of gen. func.: ogf

$$-\frac{12 (9 x - 1)}{(18 x - 1) (5 x - 1)}$$

Sequence: A304960
Score: 13.8160
Type of gen. func.: ogf

$$-\frac{12 (9 x - 1)}{(18 x - 1) (5 x - 1)}$$

Sequence: A304960
Score: 6.90799
Type of gen. func.: ogf

$$-(4523 f(x) + 3348) (90 f(x) x^2 - 23 f(x) x + f(x) + 108 x - 12)$$

Sequence: A304960
Score: 7.94021
Type of gen. func.: ogf

$$\{a(n + 2) - 23 a(n + 1) + 90 a(n), a(0) = 12, a(1) = 168\}$$

Sequence: A304962
Score: 13.3818
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^2 + x - 2}{4 x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A304962
Score: 13.5108
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^2 + x - 2}{(2 x - 1) (2 x^2 - 1)}$$

Sequence: A304973
Score: 10.4314
Type of gen. func.: ogf

$$-f(x) (6 f(x) x^4 - 2 x^4 - 5 f(x) x^2 - x^3 + f(x))$$

Sequence: A304973
Score: 16.2876
Type of gen. func.: ogf

$$\frac{x^3 (2 x + 1)}{(3 x^2 - 1) (2 x^2 - 1)}$$

Sequence: A304974
Score: 11.85
Type of gen. func.: ogf

$$-\frac{x^4 (x + 1)}{(x - 1) (2 x + 1) (2 x - 1) (3 x^2 - 1)}$$

Sequence: A304975
Score: 8.83815
Type of gen. func.: ogf

$$-\frac{x^5 (2 x^2 - 2 x - 1)}{(x - 1) (2 x + 1) (2 x - 1) (2 x^2 - 1) (5 x^2 - 1)}$$

Sequence: A304976
Score: 6.8116

Type of gen. func.: ogf

$$\frac{x^6 (4 x^3 + x^2 - 2 x - 1)}{(x - 1) (6 x^2 - 1) (3 x^2 - 1) (2 x^2 - 1) (5 x^2 - 1)}$$

Sequence: A304993
Score: 13.4484
Type of gen. func.: ogf

$$\frac{x (3 x + 4)}{(x - 1)^4}$$

Sequence: A304993
Score: 17.8398
Type of gen. func.: lgdogf

$$- \frac{9 x + 19}{3 x^2 + x - 4}$$

Sequence: A304993
Score: 23.6256
Type of gen. func.: ogf

$$\frac{x (3 x + 4)}{(x - 1)^4}$$

Sequence: A304993
Score: 5.78906
Type of gen. func.: ogf

{(8 + 4 n) a(n + 3) + (-20 - n) a(n + 2) + (-9 - 3 n) a(n + 1), a(0) = 0,

a(1) = 4, a(2) = 19}

Sequence: A304993
Score: 6.38064
Type of gen. func.: ogf

$(1061585 f(x) + 3209949)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 3 x^2 + f(x) - 4 x)$$

Sequence: A304995
Score: 10.6611
Type of gen. func.: ogf

$$- \frac{6 x^5 + x^4 + 6 x^3 + 6 x^2 + 6 x + 1}{(x - 1) (x^4 + 1)}$$

Sequence: A305002
Score: 10.3464
Type of gen. func.: ogf

$$- \frac{10 x^5 + 7 x^4 + 50 x^3 + 30 x^2 + 20 x + 1}{(x - 1) (x^4 + 1)}$$

Sequence: A305029
Score: 19.5963
Type of gen. func.: ogf_with_Euler_transform]

$$x^9 - 2 x^4 - x + 2$$

Sequence: A305029
Score: 4.47269
Type of gen. func.: ogf

$$(f(x) - 1) (f(x) x^4 - f(x) x^3 - x^4 + f(x) x^2 - x^3 - f(x) x - x^2 + f(x) - x - 1)$$

Sequence: A305029
Score: 7.62988
Type of gen. func.: ogf

4   3   2

$$\frac{x + x + x + x + 1}{x^4 - x^3 + x^2 - x + 1}$$

Sequence: A305029
Score: 8.00667
Type of gen. func.: ogf

$$\frac{x^4 + x^3 + x^2 + x + 1}{x^4 - x^3 + x^2 - x + 1}$$

Sequence: A305031
Score: 20.2746
Type of gen. func.: lgdogf

$$- \frac{6}{(2 x - 1) (2 x + 1)}$$

Sequence: A305031
Score: 25.3432
Type of gen. func.: lgdogf

$$\frac{6}{-4 x^2 + 1}$$

Sequence: A305031
Score: 7.65078
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) - 6 a(n + 1) - 4 n a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A305031
Score: 7.87361
Type of gen. func.: ogf

$$-8 f(x)^2 x^3 + 12 f(x)^2 x^2 - 6 f(x)^2 x - 8 x^3 + f(x)^2 - 12 x^2 - 6 x - 1$$

Sequence: A305032
Score: 15.2548
Type of gen. func.: lgdogf

$$-\frac{2 (4 x + 3)}{(2 x - 1) (2 x + 1)}$$

Sequence: A305032
Score: 18.0285
Type of gen. func.: lgdogf

$$-\frac{8 x + 6}{4 x^2 - 1}$$

Sequence: A305032
Score: 5.96430
Type of gen. func.: ogf

$\{(n + 2) a(n + 3) - 6 a(n + 2) + (-8 - 4 n) a(n + 1), a(0) = 0, a(1) = 1,$

$a(2) = 6\}$

Sequence: A305035
Score: 10.8544
Type of gen. func.: ogf

$$\frac{4 x^5 + 8 x^3 - 4 x^2 + x - 4}{2 x^3 + x - 1}$$

Sequence: A305035
Score: 11.5224
Type of gen. func.: ogf

$$\frac{4 x^5 + 8 x^3 - 4 x^2 + x - 4}{2 x^3 + x - 1}$$

Sequence: A305036
Score: 4.82170
Type of gen. func.: ogf

$$(8 x^{10} + 4 x^9 + 8 x^8 + 37 x^7 + 12 x^6 - 5 x^5 - 26 x^4 - 28 x^3 + 2 x^2 - 3 x + 8) \Big/ (4 x^7 + 4 x^6 - x^4 - 5 x^3 - x + 1)$$

Sequence: A305036
Score: 4.95752
Type of gen. func.: ogf

$$(8 x^{10} + 4 x^9 + 8 x^8 + 37 x^7 + 12 x^6 - 5 x^5 - 26 x^4 - 28 x^3 + 2 x^2 - 3 x + 8) \Big/ (4 x^7 + 4 x^6 - x^4 - 5 x^3 - x + 1)$$

Sequence: A305037
Score: 4.58387
Type of gen. func.: ogf

$$(28 x^{10} + 46 x^9 + 61 x^8 + 136 x^7 + 174 x^6 - 67 x^5 - 87 x^4 - 131 x^3 + 5 x^2 - 8 x + 16) \Big/ (4 x^7 + 14 x^6 - 2 x^4 - 9 x^3 - x + 1)$$

Sequence: A305037
Score: 4.70529
Type of gen. func.: ogf

$$(28 x^{10} + 46 x^9 + 61 x^8 + 136 x^7 + 174 x^6 - 67 x^5 - 87 x^4 - 131 x^3 + 5 x^2 - 8 x + 16) \Big/ (4 x^7 + 14 x^6 - 2 x^4 - 9 x^3 - x + 1)$$

Sequence: A305043
Score: 3.92124
Type of gen. func.: ogf

$$(6 x^{12} + 6 x^{11} + 7 x^{10} - 22 x^{9} - 44 x^{8} - 2 x^{7} - 2 x^{6} + 93 x^{5} - 35 x^{4} + 6 x^{3} - 28 x^{2} + 10 x + 1) / ((x - 1) (x^{2} + x - 1) (3 x^{6} + 3 x^{4} - 5 x^{3} - x + 1))$$

Sequence: A305043
Score: 4.02664
Type of gen. func.: ogf

$$(6 x^{12} + 6 x^{11} + 7 x^{10} - 22 x^{9} - 44 x^{8} - 2 x^{7} - 2 x^{6} + 93 x^{5} - 35 x^{4} + 6 x^{3} - 28 x^{2} + 10 x + 1) / ((x - 1) (x^{2} + x - 1) (3 x^{6} + 3 x^{4} - 5 x^{3} - x + 1))$$

Sequence: A305060
Score: 10.5148
Type of gen. func.: ogf

$$-(13 f(x) + 694) (2 f(x) x^{2} - 3 f(x) x + f(x) + 38 x - 28)$$

Sequence: A305060
Score: 11.7665
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 28, a(1) = 46\}$$

Sequence: A305060
Score: 13.9209
Type of gen. func.: lgdogf

$$- \frac{-38 x^{2} + 56 x - 23}{-38 x^{3} + 85 x^{2} - 61 x + 14}$$

Sequence: A305060
Score: 19.3801

Type of gen. func.: ogf

$$-\frac{2 (19 x - 14)}{(2 x - 1) (x - 1)}$$

Sequence: A305060
Score: 21.0295
Type of gen. func.: ogf

$$-\frac{2 (19 x - 14)}{(2 x - 1) (x - 1)}$$

Sequence: A305061
Score: 11.2508
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 34, a(1) = 54\}$$

Sequence: A305061
Score: 13.1259
Type of gen. func.: lgdogf

$$-\frac{-48 x^2 + 68 x - 27}{-48 x^3 + 106 x^2 - 75 x + 17}$$

Sequence: A305061
Score: 18.5307
Type of gen. func.: ogf

$$-\frac{2 (24 x - 17)}{(2 x - 1) (x - 1)}$$

Sequence: A305061
Score: 20.1077
Type of gen. func.: ogf

$$-\frac{2 (24 x - 17)}{(2 x - 1) (x - 1)}$$

Sequence: A305061
Score: 9.94805
Type of gen. func.: ogf

$$-(13 f(x) + 1016) (2 f(x) x^2 - 3 f(x) x + f(x) + 48 x - 34)$$

Sequence: A305062
Score: 11.2956
Type of gen. func.: ogf

$$-(7 f(x) + 3392) (2 f(x) x^2 - 3 f(x) x + f(x) + 256 x - 176)$$

Sequence: A305062
Score: 12.6091
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 176, a(1) = 272\}$$

Sequence: A305062
Score: 15.2730
Type of gen. func.: lgdogf

$$-\frac{-32 x^2 + 44 x - 17}{-32 x^3 + 70 x^2 - 49 x + 11}$$

Sequence: A305062
Score: 20.8535
Type of gen. func.: ogf

$$-\frac{16 (16 x - 11)}{(2 x - 1) (x - 1)}$$

Sequence: A305062
Score: 22.1302
Type of gen. func.: ogf

$$-\frac{16\,(16\,x-11)}{(2\,x-1)\,(x-1)}$$

Sequence: A305063
Score: 10.7196
Type of gen. func.: ogf

$$\{a(n+2)-3\,a(n+1)+2\,a(n),\ a(0)=228,\ a(1)=338\}$$

Sequence: A305063
Score: 11.8191
Type of gen. func.: lgdogf

$$-\frac{-346\,x^{2}+456\,x-169}{-346\,x^{3}+747\,x^{2}-515\,x+114}$$

Sequence: A305063
Score: 17.3941
Type of gen. func.: ogf

$$-\frac{2\,(173\,x-114)}{(2\,x-1)\,(x-1)}$$

Sequence: A305063
Score: 18.8140
Type of gen. func.: ogf

$$-\frac{2\,(173\,x-114)}{(2\,x-1)\,(x-1)}$$

Sequence: A305063
Score: 9.407
Type of gen. func.: ogf

$$-(51\,f(x)+45494)\,(2\,f(x)\,x^{2}-3\,f(x)\,x+f(x)+346\,x-228)$$

Sequence: A305064
Score: 10.429
Type of gen. func.: ogf

$$(9427 f(x) + 316894) (2 f(x) x^2 - 3 f(x) x + f(x) + 2 x - 22)$$

Sequence: A305064
Score: 11.6706
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 22, a(1) = 64\}$$

Sequence: A305064
Score: 14.2077
Type of gen. func.: lgdogf

$$-\frac{-2 x^2 + 44 x - 32}{-2 x^3 + 25 x^2 - 34 x + 11}$$

Sequence: A305064
Score: 19.6066
Type of gen. func.: ogf

$$-\frac{2 (x - 11)}{(2 x - 1) (x - 1)}$$

Sequence: A305064
Score: 21.3115
Type of gen. func.: ogf

$$-\frac{2 (x - 11)}{(2 x - 1) (x - 1)}$$

Sequence: A305065
Score: 11.1139
Type of gen. func.: ogf

$$\{-a(n+2) + 3\,a(n+1) - 2\,a(n),\ a(0) = 24,\ a(1) = 72\}$$

Sequence: A305065
Score: 15.5595
Type of gen. func.: ogf

$$-2\,f(x)\,x^2 + 3\,f(x)\,x - f(x) + 24$$

Sequence: A305065
Score: 19.4493
Type of gen. func.: lgdogf

$$-\frac{4x - 3}{2x^2 - 3x + 1}$$

Sequence: A305065
Score: 24.5676
Type of gen. func.: ogf

$$\frac{24}{(2x - 1)(x - 1)}$$

Sequence: A305065
Score: 27.4579
Type of gen. func.: ogf

$$\frac{24}{(2x - 1)(x - 1)}$$

Sequence: A305066
Score: 10.4617
Type of gen. func.: ogf

$$\{-a(n+2) + 3\,a(n+1) - 2\,a(n),\ a(0) = 114,\ a(1) = 348\}$$

Sequence: A305066

Score: 13.0392
Type of gen. func.: lgdogf

$$-\frac{2 x^2 + 76 x - 58}{2 x^3 + 35 x^2 - 56 x + 19}$$

Sequence: A305066
Score: 17.9941
Type of gen. func.: ogf

$$\frac{6 (x + 19)}{(2 x - 1) (x - 1)}$$

Sequence: A305066
Score: 19.1427
Type of gen. func.: ogf

$$\frac{6 (x + 19)}{(2 x - 1) (x - 1)}$$

Sequence: A305066
Score: 9.88686
Type of gen. func.: ogf

$$(49 f(x) + 4506) (2 f(x) x^2 - 3 f(x) x + f(x) - 6 x - 114)$$

Sequence: A305067
Score: 12.3725
Type of gen. func.: lgdogf

$$-\frac{6 x^2 + 88 x - 69}{6 x^3 + 35 x^2 - 63 x + 22}$$

Sequence: A305067
Score: 17.074
Type of gen. func.: ogf

$$\frac{6 (3 x + 22)}{(2 x - 1) (x - 1)}$$

Sequence: A305067
Score: 17.7854
Type of gen. func.: ogf

$$\frac{6 (3 x + 22)}{(2 x - 1) (x - 1)}$$

Sequence: A305067
Score: 9.08192
Type of gen. func.: ogf

$$(119 f(x) + 12858) (2 f(x) x^2 - 3 f(x) x + f(x) - 18 x - 132)$$

Sequence: A305067
Score: 9.92676
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 132, a(1) = 414\}$$

Sequence: A305068
Score: 10.0165
Type of gen. func.: ogf

$$(13 f(x) + 1407) (f(x) x^2 - 2 f(x) x + f(x) - 18 x - 36)$$

Sequence: A305068
Score: 10.8512
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 36, a(1) = 90\}$$

Sequence: A305068
Score: 18.9896
Type of gen. func.: lgdogf

$$-\frac{x + 5}{x^2 + x - 2}$$

Sequence: A305068
Score: 19.3936
Type of gen. func.: ogf

$$\frac{18 (x + 2)}{(x - 1)^2}$$

Sequence: A305068
Score: 23.9869
Type of gen. func.: ogf

$$\frac{18 (x + 2)}{(x - 1)^2}$$

Sequence: A305069
Score: 10.0065
Type of gen. func.: ogf

$$(3185 f(x) + 801459) (f(x) x^2 - 2 f(x) x + f(x) - 72 x - 45)$$

Sequence: A305069
Score: 11.1838
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 45, a(1) = 162\}$$

Sequence: A305069
Score: 19.4004
Type of gen. func.: lgdogf

$$-\frac{-8 x - 18}{-8 x^2 + 3 x + 5}$$

Sequence: A305069
Score: 20.2260
Type of gen. func.: ogf

$$\frac{9 (8 x + 5)}{(x - 1)^2}$$

Sequence: A305069
Score: 25.6925
Type of gen. func.: ogf

$$\frac{9 (8 x + 5)}{(x - 1)^2}$$

Sequence: A305070
Score: 17.4603
Type of gen. func.: ogf

$$- \frac{108 (4 x + 3)}{(x - 1)^3}$$

Sequence: A305070
Score: 20.3110
Type of gen. func.: lgdogf

$$- \frac{8 x + 13}{4 x^2 - x - 3}$$

Sequence: A305070
Score: 25.5189
Type of gen. func.: ogf

$$- \frac{108 (4 x + 3)}{(x - 1)^3}$$

Sequence: A305070
Score: 8.29364
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 324, a(1) = 1404, a(2) = 3240\}$$

Sequence: A305070
Score: 8.43421
Type of gen. func.: ogf

$$(33565 f(x) - 16691508) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 432 x + 324)$$

Sequence: A305071
Score: 17.6176
Type of gen. func.: ogf

$$- \frac{54 (23 x + 13)}{(x - 1)^3}$$

Sequence: A305071
Score: 19.2796
Type of gen. func.: lgdogf

$$- \frac{-46 x - 62}{-23 x^2 + 10 x + 13}$$

Sequence: A305071
Score: 25.5455
Type of gen. func.: ogf

$$- \frac{54 (23 x + 13)}{(x - 1)^3}$$

Sequence: A305071
Score: 8.44479
Type of gen. func.: ogf

$$(413064 f(x) - 514481173)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 1242 x + 702)$$

Sequence: A305071
Score: 8.51517
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 702, a(1) = 3348,$$

$$a(2) = 7938\}$$

Sequence: A305072
Score: 17.6842
Type of gen. func.: ogf

$$- \frac{24 (7 x + 5)}{(x - 1)^3}$$

Sequence: A305072
Score: 20.1600
Type of gen. func.: lgdogf

$$- \frac{14 x + 22}{7 x^2 - 2 x - 5}$$

Sequence: A305072
Score: 26.5264
Type of gen. func.: ogf

$$- \frac{24 (7 x + 5)}{(x - 1)^3}$$

Sequence: A305072
Score: 8.47059

Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 120, a(1) = 528, a(2) = 1224\}$$

Sequence: A305072
Score: 8.76523
Type of gen. func.: ogf

$$(1710 f(x) - 322331) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 168 x + 120)$$

Sequence: A305073
Score: 17.7704
Type of gen. func.: ogf

$$- \frac{192 (2 x + 1)}{(x - 1)^3}$$

Sequence: A305073
Score: 21.1023
Type of gen. func.: lgdogf

$$- \frac{-4 x - 5}{-2 x^2 + x + 1}$$

Sequence: A305073
Score: 25.972
Type of gen. func.: ogf

$$- \frac{192 (2 x + 1)}{(x - 1)^3}$$

Sequence: A305073
Score: 8.51185
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 192, a(1) = 960, a(2) = 2304$$

}

Sequence: A305073
Score: 8.88516
Type of gen. func.: ogf

$$(351 f(x) - 128320) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 384 x + 192)$$

Sequence: A305074
Score: 12.1028
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 8 x + 12$$

Sequence: A305074
Score: 16.1371
Type of gen. func.: lgdogf

$$- \frac{2 x + 8}{2 x^2 + x - 3}$$

Sequence: A305074
Score: 16.8387
Type of gen. func.: ogf

$$\frac{4 (2 x + 3)}{(x - 1)^2}$$

Sequence: A305074
Score: 20.9346
Type of gen. func.: ogf

$$\frac{4 (2 x + 3)}{(x - 1)^2}$$

Sequence: A305074
Score: 9.22119
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 12, a(1) = 32\}$$

Sequence: A305075
Score: 10.2749
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 8, a(1) = 40\}$$

Sequence: A305075
Score: 17.7671
Type of gen. func.: lgdogf

$$-\frac{-3 x - 5}{-3 x^2 + 2 x + 1}$$

Sequence: A305075
Score: 18.5396
Type of gen. func.: ogf

$$\frac{8 (3 x + 1)}{(x - 1)^2}$$

Sequence: A305075
Score: 23.0492
Type of gen. func.: ogf

$$\frac{8 (3 x + 1)}{(x - 1)^2}$$

Sequence: A305075
Score: 9.69115
Type of gen. func.: ogf

$$(7 f(x) + 569) (f(x) x^2 - 2 f(x) x + f(x) - 24 x - 8)$$

Sequence: A305091
Score: 7.43355
Type of gen. func.: ogf

$$\frac{16 x^5 - 16 x^4 - 10 x^3 + 5 x^2 + 2 x + 1}{16 x^5 - 8 x^3 - x^2 - x + 1}$$

Sequence: A305091
Score: 7.75327
Type of gen. func.: ogf

$$\frac{16 x^5 - 16 x^4 - 10 x^3 + 5 x^2 + 2 x + 1}{16 x^5 - 8 x^3 - x^2 - x + 1}$$

Sequence: A305118
Score: 6.04703
Type of gen. func.: ogf

$$f(x)^2 x^3 - 2 f(x)^2 x^2 + f(x)^2 x - f(x) x^2 + 2 f(x) x + x^2 - f(x) - x + 1$$

Sequence: A305118
Score: 7.95661
Type of gen. func.: ogf

$$\frac{-1/2 I ((4 x^3 - 5 x^2 + 6 x - 1)^{1/2} + x I - I)}{x (x - 1)}$$

Sequence: A305153
Score: 11.4607
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 42, a(1) = 72\}$$

Sequence: A305153
Score: 13.7528
Type of gen. func.: lgdogf

$$-\frac{-18 x^2 + 28 x - 12}{-18 x^3 + 41 x^2 - 30 x + 7}$$

Sequence: A305153
Score: 14.8107
Type of gen. func.: ogf

$$2 f(x) x^2 - 3 f(x) x + f(x) + 54 x - 42$$

Sequence: A305153
Score: 19.6469
Type of gen. func.: ogf

$$-\frac{6 (9 x - 7)}{(2 x - 1) (x - 1)}$$

Sequence: A305153
Score: 20.4829
Type of gen. func.: ogf

$$-\frac{6 (9 x - 7)}{(2 x - 1) (x - 1)}$$

Sequence: A305154
Score: 11.5446
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 45, a(1) = 81\}$$

Sequence: A305154
Score: 14.0543
Type of gen. func.: lgdogf

$$-\frac{-12 x^2 + 20 x - 9}{-12 x^3 + 28 x^2 - 21 x + 5}$$

Sequence: A305154
Score: 14.9192
Type of gen. func.: ogf

$$2 f(x) x^2 - 3 f(x) x + f(x) + 54 x - 45$$

Sequence: A305154
Score: 19.7908
Type of gen. func.: ogf

$$-\frac{9 (6 x - 5)}{(2 x - 1) (x - 1)}$$

Sequence: A305154
Score: 20.6330
Type of gen. func.: ogf

$$-\frac{9 (6 x - 5)}{(2 x - 1) (x - 1)}$$

Sequence: A305155
Score: 10.7376
Type of gen. func.: ogf

$$(71 f(x) + 758) (2 f(x) x^2 - 3 f(x) x + f(x) - 2 x - 13)$$

Sequence: A305155
Score: 11.3767
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 13, a(1) = 41\}$$

Sequence: A305155
Score: 13.8499
Type of gen. func.: lgdogf

$$-\frac{4 x^2 + 52 x - 41}{4 x^3 + 20 x^2 - 37 x + 13}$$

Sequence: A305155
Score: 20.7749
Type of gen. func.: ogf

$$\frac{2 x + 13}{(2 x - 1) (x - 1)}$$

Sequence: A305155
Score: 20.7749
Type of gen. func.: ogf

$$\frac{2 x + 13}{(2 x - 1) (x - 1)}$$

Sequence: A305156
Score: 10.0958
Type of gen. func.: ogf

$$(175 f(x) + 8668) (2 f(x) x^2 - 3 f(x) x + f(x) - 20 x - 58)$$

Sequence: A305156
Score: 10.9273
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 58, a(1) = 194\}$$

Sequence: A305156
Score: 12.9002
Type of gen. func.: lgdogf

2

$$-\frac{20 x + 116 x - 97}{20 x^{3} + 28 x^{2} - 77 x + 29}$$

Sequence: A305156
Score: 18.2121
Type of gen. func.: ogf

$$\frac{2 (10 x + 29)}{(2 x - 1) (x - 1)}$$

Sequence: A305156
Score: 19.7621
Type of gen. func.: ogf

$$\frac{2 (10 x + 29)}{(2 x - 1) (x - 1)}$$

Sequence: A305157
Score: 10.4232
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 65, a(1) = 229\}$$

Sequence: A305157
Score: 11.9726
Type of gen. func.: lgdogf

$$-\frac{68 x^{2} + 260 x - 229}{68 x^{3} + 28 x^{2} - 161 x + 65}$$

Sequence: A305157
Score: 18.8504
Type of gen. func.: ogf

$$\frac{34 x + 65}{(2 x - 1) (x - 1)}$$

Sequence: A305157
Score: 18.8504
Type of gen. func.: ogf

$$\frac{34 x + 65}{(2 x - 1) (x - 1)}$$

Sequence: A305157
Score: 9.52655
Type of gen. func.: ogf

$$(427 f(x) + 24686) (2 f(x) x^2 - 3 f(x) x + f(x) - 34 x - 65)$$

Sequence: A305158
Score: 10.3466
Type of gen. func.: ogf

$$(734 f(x) + 15279) (2 f(x) x^2 - 3 f(x) x + f(x) - 9 x - 6)$$

Sequence: A305158
Score: 11.3438
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 6, a(1) = 27\}$$

Sequence: A305158
Score: 14.7115
Type of gen. func.: lgdogf

$$-\frac{6 x^2 + 8 x - 9}{6 x^3 - 5 x^2 - 3 x + 2}$$

Sequence: A305158
Score: 19.2151
Type of gen. func.: ogf

$$\frac{3 (3 x + 2)}{(2 x - 1) (x - 1)}$$

Sequence: A305158
Score: 20.9231
Type of gen. func.: ogf

$$\frac{3 (3 x + 2)}{(2 x - 1) (x - 1)}$$

Sequence: A305159
Score: 10.8050
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 24, a(1) = 126\}$$

Sequence: A305159
Score: 13.3104
Type of gen. func.: lgdogf

$$-\frac{18 x^2 + 16 x - 21}{18 x^3 - 19 x^2 - 3 x + 4}$$

Sequence: A305159
Score: 18.7433
Type of gen. func.: ogf

$$\frac{6 (9 x + 4)}{(2 x - 1) (x - 1)}$$

Sequence: A305159
Score: 19.5409
Type of gen. func.: ogf

$$\frac{6 (9 x + 4)}{(2 x - 1) (x - 1)}$$

Sequence: A305159
Score: 9.66758
Type of gen. func.: ogf

$$(4286 f(x) + 480579) (2 f(x) x^2 - 3 f(x) x + f(x) - 54 x - 24)$$

Sequence: A305160
Score: 10.0582
Type of gen. func.: ogf

$$(115 f(x) + 4443) (2 f(x) x^2 - 3 f(x) x + f(x) - 75 x - 24)$$

Sequence: A305160
Score: 10.8865
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 24, a(1) = 147\}$$

Sequence: A305160
Score: 13.4109
Type of gen. func.: lgdogf

$$-\frac{50 x^2 + 32 x - 49}{50 x^3 - 59 x^2 + x + 8}$$

Sequence: A305160
Score: 18.507
Type of gen. func.: ogf

$$\frac{3 (25 x + 8)}{(2 x - 1) (x - 1)}$$

Sequence: A305160
Score: 19.6884
Type of gen. func.: ogf

$$3 (25 x + 8)$$

$$\frac{}{(2x-1)(x-1)}$$

Sequence: A305163
Score: 10.7794
Type of gen. func.: ogf

$$(11 f(x) + 84) (2 f(x) x^2 - 3 f(x) x + f(x) - 12 x - 6)$$

Sequence: A305163
Score: 11.4288
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 6, a(1) = 30\}$$

Sequence: A305163
Score: 14.8217
Type of gen. func.: lgdogf

$$-\frac{-4x^2 - 4x + 5}{-4x^3 + 4x^2 + x - 1}$$

Sequence: A305163
Score: 19.359
Type of gen. func.: ogf

$$\frac{6(2x+1)}{(2x-1)(x-1)}$$

Sequence: A305163
Score: 20.6215
Type of gen. func.: ogf

$$\frac{6(2x+1)}{(2x-1)(x-1)}$$

Sequence: A305164
Score: 10.6979
Type of gen. func.: ogf

$$(39 f(x) + 344) (2 f(x) x^2 - 3 f(x) x + f(x) - 16 x - 6)$$

Sequence: A305164
Score: 11.4713
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 6, a(1) = 34\}$$

Sequence: A305164
Score: 13.7988
Type of gen. func.: lgdogf

$$-\frac{16 x^2 + 12 x - 17}{16 x^3 - 18 x^2 - x + 3}$$

Sequence: A305164
Score: 19.431
Type of gen. func.: ogf

$$\frac{2 (8 x + 3)}{(2 x - 1) (x - 1)}$$

Sequence: A305164
Score: 20.6982
Type of gen. func.: ogf

$$\frac{2 (8 x + 3)}{(2 x - 1) (x - 1)}$$

Sequence: A305165
Score: 10.3055
Type of gen. func.: ogf

$$(1587 f(x) + 281912) (2 f(x) x^2 - 3 f(x) x + f(x) - 88 x - 24)$$

Sequence: A305165
Score: 11.5179
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 24, a(1) = 160\}$$

Sequence: A305165
Score: 14.1887
Type of gen. func.: lgdogf

$$-\frac{22 x^2 + 12 x - 20}{22 x^3 - 27 x^2 + 2 x + 3}$$

Sequence: A305165
Score: 19.5804
Type of gen. func.: ogf

$$\frac{8 (11 x + 3)}{(2 x - 1) (x - 1)}$$

Sequence: A305165
Score: 20.8303
Type of gen. func.: ogf

$$\frac{8 (11 x + 3)}{(2 x - 1) (x - 1)}$$

Sequence: A305166
Score: 10.0991
Type of gen. func.: ogf

$$(117 f(x) + 6028) (2 f(x) x^2 - 3 f(x) x + f(x) - 116 x - 24)$$

Sequence: A305166
Score: 11.0496

Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 24, a(1) = 188\}$$

Sequence: A305166
Score: 13.4174
Type of gen. func.: lgdogf

$$-\frac{58 x^2 + 24 x - 47}{58 x^3 - 75 x^2 + 11 x + 6}$$

Sequence: A305166
Score: 18.7843
Type of gen. func.: ogf

$$\frac{4 (29 x + 6)}{(2 x - 1) (x - 1)}$$

Sequence: A305166
Score: 19.5670
Type of gen. func.: ogf

$$\frac{4 (29 x + 6)}{(2 x - 1) (x - 1)}$$

Sequence: A305167
Score: 9.18715
Type of gen. func.: ogf

$$\frac{6 x (x + 1) (x^4 + 24 x^3 + 86 x^2 + 24 x + 1)}{(x - 1)^8}$$

Sequence: A305168
Score: 5.02731
Type of gen. func.: ogf_with_Euler_transform]

13 12 11 10 9 8 5 4 2

$$-\frac{2 x + 3 x + x + x + 2 x + 3 x + 2 x + 3 x + x + 3 x + 3}{(x - 1) (x + 1) (x^4 + 1) (x^8 + 1)}$$

Sequence: A305177
Score: 4.12097
Type of gen. func.: ogf

$$(8 x^{12} - 4 x^{11} - 8 x^{10} + 8 x^9 - 13 x^8 - 4 x^7 - 18 x^6 - 11 x^5 + 2 x^4 + 5 x^3 + 8 x^2 + 2 x + 1) / (4 x^{10} + 2 x^9 + 8 x^7 + x^6 - 4 x^4 - 4 x^3 + 1)$$

Sequence: A305177
Score: 4.21681
Type of gen. func.: ogf

$$(8 x^{12} - 4 x^{11} - 8 x^{10} + 8 x^9 - 13 x^8 - 4 x^7 - 18 x^6 - 11 x^5 + 2 x^4 + 5 x^3 + 8 x^2 + 2 x + 1) / (4 x^{10} + 2 x^9 + 8 x^7 + x^6 - 4 x^4 - 4 x^3 + 1)$$

Sequence: A305185
Score: 9.90567
Type of gen. func.: ogf

$$-\frac{x (x^2 + 1) (x^4 - x^3 + 2 x + 1)}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A305189
Score: 7.92677
Type of gen. func.: ogf

$$\frac{4 x^7 - 2 x^6 - 3 x^5 + 13 x^4 + x^3 + 3 x^2 + x + 1}{(x^2 + x + 1)^3 (x - 1)^4}$$

```
Sequence:  A305225
Score: 4.8171
Type of gen. func.: ogf


            8       7       6       5       4       3       2
         2 x  - 19 x  + 14 x  + 33 x  - 12 x  - 15 x  - 22 x  + 13 x + 4
       - ---------------------------------------------------------------
                                5    4      3      2
                    (x - 1) (2 x  + x  - 2 x  - 2 x  - x + 1)



------------------------------------------------------------------------------

Sequence:  A305225
Score: 5.25503
Type of gen. func.: ogf


            8       7       6       5       4       3       2
         2 x  - 19 x  + 14 x  + 33 x  - 12 x  - 15 x  - 22 x  + 13 x + 4
       - ---------------------------------------------------------------
                                5    4      3      2
                    (x - 1) (2 x  + x  - 2 x  - 2 x  - x + 1)



------------------------------------------------------------------------------

Sequence:  A305226
Score: 4.62930
Type of gen. func.: ogf


            8       7       6       5       4       3       2
        34 x  - 67 x  - 49 x  + 41 x  + 66 x  + 93 x  + 19 x  - 41 x - 8
        ----------------------------------------------------------------
                                6      4      3      2
                    (x - 1) (2 x  - 3 x  - 4 x  - 3 x  + 1)



------------------------------------------------------------------------------

Sequence:  A305226
Score: 5.03479
Type of gen. func.: ogf


            8       7       6       5       4       3       2
        34 x  - 67 x  - 49 x  + 41 x  + 66 x  + 93 x  + 19 x  - 41 x - 8
        ----------------------------------------------------------------
                                6      4      3      2
                    (x - 1) (2 x  - 3 x  - 4 x  - 3 x  + 1)



------------------------------------------------------------------------------

Sequence:  A305238
Score: 4.4437
Type of gen. func.: ogf


                   9    8    7    6    5    4    3    2
                  x  + x  + x  + x  + x  + x  + x  + x  + x - 19
        - --------------------------------------------------------------
                    4    3    2            4    3    2                 2
          (x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1) (x - 1)
```

Sequence: A305240
Score: 3.94856
Type of gen. func.: ogf

$$\frac{6 x^{10} - 12 x^{9} - 9 x^{8} + 2 x^{7} - 3 x^{6} + 8 x^{5} + 2 x^{4} + 18 x^{3} + 2 x^{2} - 8 x - 4}{x^{8} - x^{7} - 3 x^{6} - 2 x^{5} - x^{4} + 2 x^{3} + 2 x^{2} + x - 1}$$

Sequence: A305240
Score: 4.04486
Type of gen. func.: ogf

$$\frac{6 x^{10} - 12 x^{9} - 9 x^{8} + 2 x^{7} - 3 x^{6} + 8 x^{5} + 2 x^{4} + 18 x^{3} + 2 x^{2} - 8 x - 4}{x^{8} - x^{7} - 3 x^{6} - 2 x^{5} - x^{4} + 2 x^{3} + 2 x^{2} + x - 1}$$

Sequence: A305247
Score: 3.28391
Type of gen. func.: ogf

$$- (10 x^{11} + 28 x^{10} + 42 x^{9} + 37 x^{8} - 3 x^{7} - 22 x^{6} - 15 x^{5} - 13 x^{4} - 10 x^{3} - 7 x^{2} + x + 3) / (2 x^{12} + 6 x^{11} - 3 x^{9} - 10 x^{8} - 10 x^{7} - x^{6} - 4 x^{5} + x^{4} + x^{2} + 2 x - 1)$$

Sequence: A305256
Score: 11.7026
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{I}{(4 x - 1)^{1/2}} - \frac{x I}{(4 x^{2} - 1)^{1/2}}$$

Sequence: A305261
Score: 10.1306
Type of gen. func.: ogf

$$(29 f(x) + 1104) (2 f(x) x^2 - 3 f(x) x + f(x) - 96 x - 12)$$

Sequence: A305261
Score: 10.8457
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 12, a(1) = 132\}$$

Sequence: A305261
Score: 13.5572
Type of gen. func.: lgdogf

$$- \frac{16 x^2 + 4 x - 11}{16 x^3 - 22 x^2 + 5 x + 1}$$

Sequence: A305261
Score: 18.4377
Type of gen. func.: ogf

$$\frac{12 (8 x + 1)}{(2 x - 1) (x - 1)}$$

Sequence: A305261
Score: 19.6146
Type of gen. func.: ogf

$$\frac{12 (8 x + 1)}{(2 x - 1) (x - 1)}$$

Sequence: A305262
Score: 10.2616
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 13, a(1) = 153\}$$

Sequence: A305262
Score: 11.6298
Type of gen. func.: lgdogf

$$-\frac{228 x^{2} + 52 x - 153}{228 x^{3} - 316 x^{2} + 75 x + 13}$$

Sequence: A305262
Score: 18.1715
Type of gen. func.: ogf

$$\frac{114 x + 13}{(2 x - 1) (x - 1)}$$

Sequence: A305262
Score: 18.1715
Type of gen. func.: ogf

$$\frac{114 x + 13}{(2 x - 1) (x - 1)}$$

Sequence: A305262
Score: 9.27907
Type of gen. func.: ogf

$$(407 f(x) + 18118) (2 f(x) x^{2} - 3 f(x) x + f(x) - 114 x - 13)$$

Sequence: A305263
Score: 11.1100
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 58, a(1) = 738\}$$

Sequence: A305263
Score: 12.2642
Type of gen. func.: lgdogf

$$564 x^{2} + 116 x - 369$$

$$-\,\frac{}{564 x^{3} - 788 x^{2} + 195 x + 29}$$

Sequence: A305263
Score: 18.1605
Type of gen. func.: ogf

$$\frac{2 (282 x + 29)}{(2 x - 1) (x - 1)}$$

Sequence: A305263
Score: 19.6739
Type of gen. func.: ogf

$$\frac{2 (282 x + 29)}{(2 x - 1) (x - 1)}$$

Sequence: A305263
Score: 9.94049
Type of gen. func.: ogf

$$(991 f(x) + 214844) (2 f(x) x^{2} - 3 f(x) x + f(x) - 564 x - 58)$$

Sequence: A305264
Score: 10.5416
Type of gen. func.: ogf

$$(2443 f(x) + 653006) (2 f(x) x^{2} - 3 f(x) x + f(x) - 706 x - 65)$$

Sequence: A305264
Score: 11.9059
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 65, a(1) = 901\}$$

Sequence: A305264
Score: 12.6500

Type of gen. func.: lgdogf

$$- \frac{1412 x^{2} + 260 x - 901}{1412 x^{3} - 1988 x^{2} + 511 x + 65}$$

Sequence: A305264
Score: 21.0832
Type of gen. func.: ogf

$$\frac{706 x + 65}{(2 x - 1) (x - 1)}$$

Sequence: A305264
Score: 21.0833
Type of gen. func.: ogf

$$\frac{706 x + 65}{(2 x - 1) (x - 1)}$$

Sequence: A305265
Score: 10.6274
Type of gen. func.: ogf

$$(19 f(x) - 5104) (2 f(x) x^{2} - 3 f(x) x + f(x) + 136 x - 74)$$

Sequence: A305265
Score: 11.6395
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 74, a(1) = 86\}$$

Sequence: A305265
Score: 12.8648
Type of gen. func.: lgdogf

$$- \frac{-136 x^{2} + 148 x - 43}{{}^{3} \qquad {}^{2}}$$

$$-136 x + 278 x - 179 x + 37$$

Sequence: A305265
Score: 19.171
Type of gen. func.: ogf

$$-\frac{2 (68 x - 37)}{(2 x - 1) (x - 1)}$$

Sequence: A305265
Score: 20.3692
Type of gen. func.: ogf

$$-\frac{2 (68 x - 37)}{(2 x - 1) (x - 1)}$$

Sequence: A305266
Score: 10.7573
Type of gen. func.: lgdogf

$$-\frac{-320 x^2 + 348 x - 101}{-320 x^3 + 654 x^2 - 421 x + 87}$$

Sequence: A305266
Score: 15.9291
Type of gen. func.: ogf

$$-\frac{160 x - 87}{(2 x - 1) (x - 1)}$$

Sequence: A305266
Score: 17.2565
Type of gen. func.: ogf

$$-\frac{160 x - 87}{(2 x - 1) (x - 1)}$$

Sequence: A305266
Score: 8.90657
Type of gen. func.: ogf

$$(45 f(x) - 14116) (2 f(x) x^2 - 3 f(x) x + f(x) + 160 x - 87)$$

Sequence: A305266
Score: 9.74485
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 87, a(1) = 101\}$$

Sequence: A305267
Score: 10.4778
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 426, a(1) = 494\}$$

Sequence: A305267
Score: 11.2636
Type of gen. func.: lgdogf

$$- \frac{-784 x^2 + 852 x - 247}{-784 x^3 + 1602 x^2 - 1031 x + 213}$$

Sequence: A305267
Score: 17.0017
Type of gen. func.: ogf

$$- \frac{2 (392 x - 213)}{(2 x - 1) (x - 1)}$$

Sequence: A305267
Score: 18.3896
Type of gen. func.: ogf

$$- \frac{2 (392 x - 213)}{}$$

$$(2 x - 1) (x - 1)$$

Sequence: A305267
Score: 9.38637
Type of gen. func.: ogf

$$(111 f(x) - 169304) (2 f(x) x^2 - 3 f(x) x + f(x) + 784 x - 426)$$

Sequence: A305268
Score: 10.6390
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 522, a(1) = 604\}$$

Sequence: A305268
Score: 11.2957
Type of gen. func.: lgdogf

$$- \frac{-962 x^2 + 1044 x - 302}{-962 x^3 + 1965 x^2 - 1264 x + 261}$$

Sequence: A305268
Score: 17.2633
Type of gen. func.: ogf

$$- \frac{2 (481 x - 261)}{(2 x - 1) (x - 1)}$$

Sequence: A305268
Score: 18.6726
Type of gen. func.: ogf

$$- \frac{2 (481 x - 261)}{(2 x - 1) (x - 1)}$$

Sequence: A305268

Score: 9.6311
Type of gen. func.: ogf

$$(69 f(x) - 127222) (2 f(x) x^2 - 3 f(x) x + f(x) + 962 x - 522)$$

Sequence: A305269
Score: 10.2212
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 25, a(1) = 145\}$$

Sequence: A305269
Score: 12.5913
Type of gen. func.: lgdogf

$$-\frac{28 x^2 + 20 x - 29}{28 x^3 - 32 x^2 - x + 5}$$

Sequence: A305269
Score: 17.376
Type of gen. func.: ogf

$$\frac{5 (14 x + 5)}{(2 x - 1) (x - 1)}$$

Sequence: A305269
Score: 18.4851
Type of gen. func.: ogf

$$\frac{5 (14 x + 5)}{(2 x - 1) (x - 1)}$$

Sequence: A305269
Score: 9.54724
Type of gen. func.: ogf

$$(67 f(x) + 2530) (2 f(x) x^2 - 3 f(x) x + f(x) - 70 x - 25)$$

Sequence: A305270
Score: 10.3020
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 28, a(1) = 168\}$$

Sequence: A305270
Score: 14.5944
Type of gen. func.: lgdogf

$$-\frac{6 x^2 + 4 x - 6}{6 x^3 - 7 x^2 + 1}$$

Sequence: A305270
Score: 17.5133
Type of gen. func.: ogf

$$\frac{28 (3 x + 1)}{(2 x - 1) (x - 1)}$$

Sequence: A305270
Score: 18.6312
Type of gen. func.: ogf

$$\frac{28 (3 x + 1)}{(2 x - 1) (x - 1)}$$

Sequence: A305270
Score: 9.62271
Type of gen. func.: ogf

$$(23 f(x) + 3892) (2 f(x) x^2 - 3 f(x) x + f(x) - 84 x - 28)$$

Sequence: A305271
Score: 10.4013
Type of gen. func.: ogf

$$\{-a(n+2) + 3\,a(n+1) - 2\,a(n),\ a(0) = 132,\ a(1) = 812\}$$

Sequence: A305271
Score: 11.9269
Type of gen. func.: lgdogf

$$-\frac{208\,x^2 + 132\,x - 203}{208\,x^3 - 246\,x^2 + 5\,x + 33}$$

Sequence: A305271
Score: 17.2022
Type of gen. func.: ogf

$$\frac{4\,(104\,x + 33)}{(2\,x - 1)\,(x - 1)}$$

Sequence: A305271
Score: 18.2554
Type of gen. func.: ogf

$$\frac{4\,(104\,x + 33)}{(2\,x - 1)\,(x - 1)}$$

Sequence: A305271
Score: 9.31786
Type of gen. func.: ogf

$$(477\,f(x) + 101872)\,(2\,f(x)\,x^2 - 3\,f(x)\,x + f(x) - 416\,x - 132)$$

Sequence: A305272
Score: 10.5200
Type of gen. func.: ogf

$$\{-a(n+2) + 3\,a(n+1) - 2\,a(n),\ a(0) = 160,\ a(1) = 996\}$$

Sequence: A305272
Score: 12.0629
Type of gen. func.: lgdogf

$$-\frac{258 x^2 + 160 x - 249}{258 x^3 - 307 x^2 + 9 x + 40}$$

Sequence: A305272
Score: 17.3984
Type of gen. func.: ogf

$$\frac{4 (129 x + 40)}{(2 x - 1) (x - 1)}$$

Sequence: A305272
Score: 18.4637
Type of gen. func.: ogf

$$\frac{4 (129 x + 40)}{(2 x - 1) (x - 1)}$$

Sequence: A305272
Score: 9.42415
Type of gen. func.: ogf

$$(587 f(x) + 154084) (2 f(x) x^2 - 3 f(x) x + f(x) - 516 x - 160)$$

Sequence: A305290
Score: 10.0085
Type of gen. func.: ogf

$$\frac{x (7 x^2 - 10 x + 7)}{(x - 1) (x + 1)^4}$$

Sequence: A305290
Score: 10.5218

Type of gen. func.: lgdogf

$$-\frac{21 x^3 - 61 x^2 + 79 x - 31}{7 x^4 - 10 x^3 + 10 x - 7}$$

Sequence: A305290
Score: 14.15
Type of gen. func.: ogf

$$\frac{x (7 x^2 - 10 x + 7)}{(x - 1) (x + 1)^4}$$

Sequence: A305291
Score: 11.7773
Type of gen. func.: ogf

$$\frac{x^4 - 3 x^3 + 16 x^2 - 3 x + 1}{(x - 1) (x + 1)^4}$$

Sequence: A305291
Score: 7.56342
Type of gen. func.: lgdogf

$$-\frac{-x^5 + 9 x^4 - 61 x^3 + 69 x^2 - 46 x + 6}{-x^6 + 3 x^5 - 15 x^4 + 15 x^2 - 3 x + 1}$$

Sequence: A305291
Score: 8.77035
Type of gen. func.: ogf

$$\frac{x^4 - 3 x^3 + 16 x^2 - 3 x + 1}{(x - 1) (x + 1)^4}$$

Sequence: A305292
Score: 7.23337
Type of gen. func.: ogf

$$-\frac{2x^4+3x^3-8x^2+3x+2}{(x-1)(x^2+6x+1)(x^2-6x+1)}$$

Sequence: A305292
Score: 7.69020
Type of gen. func.: ogf

$$-\frac{2x^4+3x^3-8x^2+3x+2}{(x-1)(x^2+6x+1)(x^2-6x+1)}$$

Sequence: A305315
Score: 19.2284
Type of gen. func.: ogf

$$\frac{11x+1}{x^2-18x+1}$$

Sequence: A305315
Score: 9.08596
Type of gen. func.: ogf

$$(520 f(x)+321)(f(x)x^2-18 f(x)x+f(x)-11x-1)$$

Sequence: A305316
Score: 10.6227
Type of gen. func.: ogf

$$(3560 f(x)+441)(f(x)x^2-18 f(x)x+f(x)-x-11)$$

Sequence: A305316

Score: 22.7277
Type of gen. func.: ogf

$$\frac{x + 11}{x^2 - 18 x + 1}$$

Sequence: A305335
Score: 5.01046
Type of gen. func.: ogf

$$\frac{16 x^7 + 24 x^6 - 8 x^5 - 23 x^4 - 13 x^3 - 5 x^2 + x + 4}{4 x^7 + 8 x^6 + 3 x^5 - 2 x^4 - 3 x^3 - 3 x^2 - x + 1}$$

Sequence: A305335
Score: 5.16116
Type of gen. func.: ogf

$$\frac{16 x^7 + 24 x^6 - 8 x^5 - 23 x^4 - 13 x^3 - 5 x^2 + x + 4}{4 x^7 + 8 x^6 + 3 x^5 - 2 x^4 - 3 x^3 - 3 x^2 - x + 1}$$

Sequence: A305342
Score: 3.89804
Type of gen. func.: ogf

$$-\frac{(x^2 + x + 1) (x^9 + 2 x^6 + 3 x^5 - 3 x^3 + x^2 - 3 x - 3)}{x^{12} + x^{11} + x^9 + x^8 + x^7 - x^6 - x^5 - 2 x^4 - 3 x^3 - x + 1}$$

Sequence: A305342
Score: 4.21718
Type of gen. func.: ogf

$$-\frac{(x^2 + x + 1) (x^9 + 2 x^6 + 3 x^5 - 3 x^3 + x^2 - 3 x - 3)}{x^{12} + x^{11} + x^9 + x^8 + x^7 - x^6 - x^5 - 2 x^4 - 3 x^3 - x + 1}$$

Sequence: A305381
Score: 7.67174
Type of gen. func.: ogf

$$-\frac{2 (16 x^5 - 8 x^4 + 4 x^3 - 2 x^2 + x - 2)}{(2 x - 1) (4 x^5 + 2 x^2 - 1)}$$

Sequence: A305381
Score: 8.40625
Type of gen. func.: ogf

$$-\frac{2 (16 x^5 - 8 x^4 + 4 x^3 - 2 x^2 + x - 2)}{(2 x - 1) (4 x^5 + 2 x^2 - 1)}$$

Sequence: A305395
Score: 2.05763
Type of gen. func.: ogf

$$\frac{90 x + 11}{(x + 1) (x - 1)^2}$$

Sequence: A305396
Score: 2.10662
Type of gen. func.: ogf

$$\frac{9 x + 101}{(x + 1) (x - 1)^2}$$

Sequence: A305412
Score: 8.21325
Type of gen. func.: ogf

$$-\frac{x^4 - 2 x^3 - 5 x^2 + 1}{(x + 1) (x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A305412
Score: 8.95153
Type of gen. func.: ogf

$$-\frac{x^4 - 2x^3 - 5x^2 + 1}{(x + 1)(x^2 - 3x + 1)(x^2 + x - 1)}$$

Sequence: A305413
Score: 10.3883
Type of gen. func.: ogf

$$-f(x)x^2 - 199 f(x)x + f(x) - x$$

Sequence: A305413
Score: 12.1862
Type of gen. func.: lgdogf

$$-\frac{-2x - 199}{-x^2 - 199x + 1}$$

Sequence: A305413
Score: 16.2483
Type of gen. func.: ogf

$$-\frac{x}{x^2 + 199x - 1}$$

Sequence: A305413
Score: 16.2483
Type of gen. func.: ogf

$$-\frac{x}{x^2 + 199x - 1}$$

Sequence: A305413
Score: 7.63475
Type of gen. func.: ogf

$$\{-a(n + 2) + 199\, a(n + 1) + a(n),\ a(0) = 0,\ a(1) = 1\}$$

Sequence: A305443
Score: 7.52618
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{(x - 1)\,(x + 1)\,(3\,x^{2} + x + 3)}{x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1}$$

Sequence: A305459
Score: 5.07636
Type of gen. func.: ogf

$$\{a(n + 1) + (3\,n + 9)\,a(n + 2) - a(n + 3),\ a(0) = 1,\ a(1) = 3,\ a(2) = 19\}$$

Sequence: A305460
Score: 5.10066
Type of gen. func.: ogf

$$\{-2\,a(n + 1) + (-9 - 3\,n)\,a(n + 2) + a(n + 3),\ a(0) = 1,\ a(1) = 3,\ a(2) = 20\}$$

Sequence: A305462
Score: 5.25859
Type of gen. func.: ogf

$$\frac{x\,(18\,x^{29} + 2\,x^{13} + 2\,x^{9} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}{(x + 1)\,(x^{2} + 1)\,(x^{4} + 1)\,(x - 1)^{2}}$$

Sequence: A305462
Score: 6.16797
Type of gen. func.: ogf

```
                 29      13       9    7    6    5    4    3    2
```

```
        x (18 x   + 2 x   + 2 x  + x  + x  + x  + x  + x  + x  + x + 1)
        ---------------------------------------------------------------
                                2        4             2
                      (x + 1) (x  + 1) (x  + 1) (x - 1)
```

Sequence: A305471
Score: 5.02779
Type of gen. func.: ogf

```
   {a(n + 1) + (-9 - 3 n) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 3, a(2) = 17}
```

Sequence: A305472
Score: 5.02779
Type of gen. func.: ogf

```
  {2 a(n + 1) + (-9 - 3 n) a(n + 2) + a(n + 3), a(0) = 1, a(1) = 3, a(2) = 16}
```

Sequence: A305477
Score: 7.78255
Type of gen. func.: ogf

```
                       8      6      4      3      2
                    2 x  + 2 x  + 2 x  - 2 x  - 3 x  - 4 x - 3
                  - ------------------------------------------
                                  6      3
                               2 x  - 3 x  - x + 1
```

Sequence: A305477
Score: 7.78256
Type of gen. func.: ogf

```
                       8      6      4      3      2
                    2 x  + 2 x  + 2 x  - 2 x  - 3 x  - 4 x - 3
                  - ------------------------------------------
                                  6      3
                               2 x  - 3 x  - x + 1
```

Sequence: A305478
Score: 3.79170
Type of gen. func.: ogf

```
    12      11       10       9       8      7       6       5       4      3
(4 x   + 8 x   - 12 x   - 21 x  - 16 x  - 7 x  + 46 x  + 16 x  + 35 x  - 2 x

          2               /
     - 4 x  - 12 x - 5)  /  (
```

$$/\ 2 x^{10} + 2 x^{9} - 2 x^{8} - 7 x^{7} - 7 x^{6} + x^{5} + 5 x^{3} + x - 1)$$

Sequence: A305478
Score: 3.87237
Type of gen. func.: ogf

$$(4 x^{12} + 8 x^{11} - 12 x^{10} - 21 x^{9} - 16 x^{8} - 7 x^{7} + 46 x^{6} + 16 x^{5} + 35 x^{4} - 2 x^{3} - 4 x^{2} - 12 x - 5) \Big/ (2 x^{10} + 2 x^{9} - 2 x^{8} - 7 x^{7} - 7 x^{6} + x^{5} + 5 x^{3} + x - 1)$$

Sequence: A305492
Score: 11.1297
Type of gen. func.: ogf

$$-7 f(x) x^{2} - 2 f(x) x + f(x) - 2 x$$

Sequence: A305492
Score: 13.4011
Type of gen. func.: lgdogf

$$- \frac{-14 x - 2}{-7 x^{2} - 2 x + 1}$$

Sequence: A305492
Score: 17.7473
Type of gen. func.: ogf

$$- \frac{2 x}{7 x^{2} + 2 x - 1}$$

Sequence: A305492
Score: 17.7474
Type of gen. func.: ogf

$$-\frac{2x}{7x^2+2x-1}$$

Sequence: A305492
Score: 8.10681
Type of gen. func.: ogf

$$\{-a(n+2)+2a(n+1)+7a(n), a(0)=0, a(1)=2\}$$

Sequence: A305495
Score: 4.50557
Type of gen. func.: ogf

$$\frac{3x^9+x^8+2x^7+3x^6+3x^5+3x^4+3x^3+3x^2+3x+3}{(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x-1)^2}$$

Sequence: A305495
Score: 6.85301
Type of gen. func.: ogf

$$\frac{3x^9+x^8+2x^7+3x^6+3x^5+3x^4+3x^3+3x^2+3x+3}{(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x-1)^2}$$

Sequence: A305496
Score: 4.3249
Type of gen. func.: ogf

$$\frac{x^{10}+9x^9+3x^8+6x^7+9x^6+9x^5+9x^4+9x^3+9x^2+9x+8}{(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x-1)^2}$$

Sequence: A305496
Score: 6.41977
Type of gen. func.: ogf

$$\frac{x^{10} + 9 x^{9} + 3 x^{8} + 6 x^{7} + 9 x^{6} + 9 x^{5} + 9 x^{4} + 9 x^{3} + 9 x^{2} + 9 x + 8}{(x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A305503
Score: 6.85808
Type of gen. func.: ogf

$$\frac{x^{14} (x^{2} - 9 x + 9)}{(x - 1)^{2}}$$

Sequence: A305503
Score: 9.54167
Type of gen. func.: ogf

$$\frac{x^{14} (x^{2} - 9 x + 9)}{(x - 1)^{2}}$$

Sequence: A305511
Score: 3.87321
Type of gen. func.: ogf

$$(4 x^{12} + 6 x^{11} + 4 x^{10} + 9 x^{9} + 5 x^{8} + 4 x^{7} - 10 x^{6} - 13 x^{5} - 8 x^{4} + 4 x^{2} + 2 x + 1) \Big/ ((x + 1) (2 x^{9} + x^{8} + 5 x^{6} - x^{5} + x^{4} - 4 x^{3} - x + 1))$$

Sequence: A305511
Score: 3.98201
Type of gen. func.: ogf

$$(4 x^{12} + 6 x^{11} + 4 x^{10} + 9 x^{9} + 5 x^{8} + 4 x^{7} - 10 x^{6} - 13 x^{5} - 8 x^{4} + 4 x^{2} + 2 x + 1) \Big/ ((x + 1) (2 x^{9} + x^{8} + 5 x^{6} - x^{5} + x^{4} - 4 x^{3} - x + 1))$$

Sequence: A305518
Score: 5.58296
Type of gen. func.: ogf

$$-\frac{(x+1)\,(27\,x^4+39\,x^3+9\,x^2-4\,x-4)}{30\,x^5+44\,x^4+10\,x^3-8\,x^2-6\,x+1}$$

Sequence: A305518
Score: 5.73949
Type of gen. func.: ogf

$$-\frac{(x+1)\,(27\,x^4+39\,x^3+9\,x^2-4\,x-4)}{30\,x^5+44\,x^4+10\,x^3-8\,x^2-6\,x+1}$$

Sequence: A305539
Score: 10.1163
Type of gen. func.: lgdogf

$$-\frac{3\,x^2-70\,x+35}{x^3-35\,x^2+35\,x-1}$$

Sequence: A305539
Score: 13.7582
Type of gen. func.: ogf

$$-\frac{x}{(x-1)\,(x^2-34\,x+1)}$$

Sequence: A305539
Score: 15.9979
Type of gen. func.: ogf

$$-\frac{x}{(x-1)\,(x^2-34\,x+1)}$$

Sequence: A305539
Score: 6.03428
Type of gen. func.: ogf

$$\{a(n + 3) - 35 a(n + 2) + 35 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 35\}$$

Sequence: A305539
Score: 8.7077
Type of gen. func.: ogf

$$f(x) x^3 - 35 f(x) x^2 + 35 f(x) x - f(x) + x$$

Sequence: A305548
Score: 12.0305
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 27\}$$

Sequence: A305548
Score: 16.4417
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 27 x$$

Sequence: A305548
Score: 25.9606
Type of gen. func.: ogf

$$\frac{27 x}{(x - 1)^2}$$

Sequence: A305548
Score: 32.8835
Type of gen. func.: ogf

$$27 x$$

$$(x-1)^2$$

Sequence: A305548
Score: 75.5527
Type of gen. func.: ogf_with_Euler_transform]

[2]

Sequence: A305549
Score: 4.21102
Type of gen. func.: ogf

$$\{(2n^2+9n+10)a(n+1)+(-4n^2-20n-97)a(n+2)$$
$$+(2n^2+11n+15)a(n+3),\ a(0)=1,\ a(1)=73,\ a(2)=985\}$$

Sequence: A305549
Score: 5.59420
Type of gen. func.: ogf

$$-\frac{(x^2+6x+1)(x^4+60x^3+134x^2+60x+1)}{(x-1)^7}$$

Sequence: A305549
Score: 9.01655
Type of gen. func.: ogf

$$-\frac{(x^2+6x+1)(x^4+60x^3+134x^2+60x+1)}{(x-1)^7}$$

Sequence: A305554
Score: 11.2918
Type of gen. func.: ogf

$$\frac{(4x-2+((5x-1)(x-1))^{1/2})x}{}$$

$$5 x - 1$$

Sequence: A305554
Score: 5.76432
Type of gen. func.: ogf

$$25 f(x)^2 x^2 - 40 f(x) x^3 + 11 x^4 - 10 f(x)^2 x + 28 f(x) x^2 - 10 x^3 + f(x)^2 - 4 f(x) x + 3 x^2$$

Sequence: A305555
Score: 6.29657
Type of gen. func.: ogf

$$25 f(x)^2 x^2 - 65 f(x) x^3 - 19 x^4 - 10 f(x)^2 x + 63 f(x) x^2 + 26 x^3 + f(x)^2 - 15 f(x) x - 3 x^2 + f(x)$$

Sequence: A305555
Score: 9.79466
Type of gen. func.: ogf

$$- \frac{-13 x^2 + ((5 x - 1) (x - 1) (7 x - 1)^2)^{1/2} + 10 x - 1}{2 (5 x - 1)}$$

Sequence: A305559
Score: 11.803
Type of gen. func.: ogf

$$- \frac{x (2 x - 1) (x + 1) (x^2 - x + 1)}{(x - 1)^3}$$

Sequence: A305561
Score: 7.97048
Type of gen. func.: ogf

2 2 2 2 2

$$-8 f(x) x + 8 f(x) x + f(x) - 2 f(x) x - 2 x - f(x) + x$$

Sequence: A305561
Score: 8.48471
Type of gen. func.: ogf

$$-\frac{-8 x^{2} + (-(2 x - 1) (2 x + 1))^{1/2} + 2 x + 1}{2 (8 x^{2} - 1)}$$

Sequence: A305570
Score: 2.2681
Type of gen. func.: ogf

$$-(f(x) - 1)^{3}$$

Sequence: A305571
Score: 3.54391
Type of gen. func.: ogf

$$-(f(x) - 1)^{3}$$

Sequence: A305573
Score: 3.99431
Type of gen. func.: ogf

$$-64 f(x)^{3} x^{3} + 16 f(x)^{3} x^{2} - f(x)^{3} x - 48 f(x)^{2} x^{2} + 8 f(x)^{2} x - 12 f(x) x + f(x) - 1$$

Sequence: A305573
Score: 7.92988
Type of gen. func.: revogf

$$\frac{((4 x + 1)^{1/2} + 1) x}{2 (4 x + 1)^{3/2}}$$

Sequence: A305574
Score: 5.62271
Type of gen. func.: ogf

$$-f(x)^3 x^2 + 12 f(x)^2 x^2 + 2 f(x)^2 x - 48 f(x) x^2 - 16 f(x) x + 64 x^2 - f(x) + 32 x + 5$$

Sequence: A305581
Score: 5.37963
Type of gen. func.: ogf

$$(101085 f(x) - 294013) (f(x) x^3 + 2 x^4 + f(x) x^2 - 5 x^3 + f(x) x - x^2 - f(x) - x + 4)$$

Sequence: A305581
Score: 9.57155
Type of gen. func.: ogf

$$-\frac{2 x^4 - 5 x^3 - x^2 - x + 4}{x^3 + x^2 + x - 1}$$

Sequence: A305581
Score: 9.57155
Type of gen. func.: ogf

$$-\frac{2 x^4 - 5 x^3 - x^2 - x + 4}{x^3 + x^2 + x - 1}$$

Sequence: A305582
Score: 5.69429
Type of gen. func.: ogf

$$\frac{12 x^7 + 36 x^6 + 10 x^5 - 18 x^4 - 43 x^3 - 13 x^2 - 3 x + 8}{4 x^6 + 2 x^5 - 5 x^3 - 2 x^2 - x + 1}$$

Sequence: A305582
Score: 5.88569
Type of gen. func.: ogf

$$\frac{12 x^7 + 36 x^6 + 10 x^5 - 18 x^4 - 43 x^3 - 13 x^2 - 3 x + 8}{4 x^6 + 2 x^5 - 5 x^3 - 2 x^2 - x + 1}$$

Sequence: A305583
Score: 4.42485
Type of gen. func.: ogf

$$(42 x^9 - 33 x^8 + 168 x^7 + 460 x^6 + 53 x^5 - 115 x^4 - 197 x^3 - 37 x^2 - 8 x + 16) \Big/ (27 x^6 + 9 x^5 - 12 x^3 - 3 x^2 - x + 1)$$

Sequence: A305583
Score: 4.54776
Type of gen. func.: ogf

$$(42 x^9 - 33 x^8 + 168 x^7 + 460 x^6 + 53 x^5 - 115 x^4 - 197 x^3 - 37 x^2 - 8 x + 16) \Big/ (27 x^6 + 9 x^5 - 12 x^3 - 3 x^2 - x + 1)$$

Sequence: A305608
Score: 6.68496
Type of gen. func.: ogf

$$\{16 n a(n) + 2 a(n + 1) + (-2 - n) a(n + 2), a(0) = 0, a(1) = 1\}$$

Sequence: A305608
Score: 8.23960
Type of gen. func.: revogf

$$- \frac{-2 x^4 - 4 x^3 - 3 x^2 - x}{}$$

$$8 x^4 + 16 x^3 + 12 x^2 + 4 x + 1$$

Sequence: A305609
Score: 6.59636
Type of gen. func.: ogf

$$\{64 n a(n) + 2 a(n + 1) + (-2 - n) a(n + 2), a(0) = 0, a(1) = 1\}$$

Sequence: A305612
Score: 4.98619
Type of gen. func.: ogf

$$8 f(x)^2 x^3 - 12 f(x)^2 x^2 + 8 f(x) x^3 + 6 f(x)^2 x - 12 f(x) x^2 + 4 x^3 - f(x)^2 + 6 f(x) x - f(x) + 3 x$$

Sequence: A305612
Score: 7.36057
Type of gen. func.: ogf

$$\{4 n a(n) + 6 a(n + 1) + (-2 - n) a(n + 2), a(0) = 0, a(1) = 3\}$$

Sequence: A305623
Score: 13.1273
Type of gen. func.: ogf

$$-\frac{3 x^2 (5 x^2 - x - 1)}{(3 x - 1) (2 x - 1) (3 x^2 - 1) (2 x^2 - 1)}$$

Sequence: A305623
Score: 13.8332
Type of gen. func.: ogf

$$-\frac{3 x^2 (5 x^2 - x - 1)}{(3 x - 1) (2 x - 1) (3 x^2 - 1) (2 x^2 - 1)}$$

Sequence: A305623
Score: 7.84439
Type of gen. func.: lgdogf

$$-\frac{720x^7-630x^6-336x^5+347x^4+46x^3-51x^2-12x+6}{180x^8-186x^7-126x^6+179x^5+4x^4-51x^3+9x^2+4x-1}$$

Sequence: A305624
Score: 10.2417
Type of gen. func.: ogf

$$\frac{12x^3(13x^3+2x^2-3x-1)}{(4x-1)(3x-1)(2x+1)(2x-1)(3x^2-1)(2x^2-1)}$$

Sequence: A305625
Score: 7.29968
Type of gen. func.: ogf

$$-60x^4(7x^2-x-1)(11x^3+2x^2-2x-1)\Big/\big((3x-1)(5x-1)(2x+1)(2x-1)(4x-1)(3x^2-1)(2x^2-1)(5x^2-1)\big)$$

Sequence: A305628
Score: 16.6792
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x+2}{(x-1)^2(x+1)^2}$$

Sequence: A305650
Score: 11.6331
Type of gen. func.: ogf

```
                                   2
                                2 x  + 1
                        ----------------------------------
                                          2
```

$$(x - 1) (2 x + 1) (2 x \ + 2 x - 1)$$

Sequence: A305650
Score: 12.3490
Type of gen. func.: ogf

$$\frac{2 x^{2} + 1}{(x - 1) (2 x + 1) (2 x^{2} + 2 x - 1)}$$

Sequence: A305650
Score: 5.9458
Type of gen. func.: ogf

$$-(5481 f(x) + 2876)$$

$$(4 f(x) x^{4} + 2 f(x) x^{3} - 6 f(x) x^{2} - f(x) x - 2 x^{2} + f(x) - 1)$$

Sequence: A305650
Score: 7.50171
Type of gen. func.: lgdogf

$$- \frac{-16 x^{5} - 4 x^{4} - 16 x^{3} - 8 x^{2} + 16 x + 1}{-8 x^{6} - 4 x^{5} + 8 x^{4} + 4 x^{2} + x - 1}$$

Sequence: A305652
Score: 10.2737
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{3 x^{3} - x^{2} - x}{-4 x^{5} + 2 x^{4} + 6 x^{3} - 3 x^{2} - 2 x + 1}$$

Sequence: A305652
Score: 9.87381
Type of gen. func.: ogf_with_Euler_transform]

2

$$\frac{x (3 x - x - 1)}{(x - 1) (2 x - 1) (x + 1) (2 x^{2} - 1)}$$

Sequence: A305653
Score: 11.3107
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{-x - 1}{-x^{5} + 5 x^{4} - 10 x^{3} + 10 x^{2} - 5 x + 1}$$

Sequence: A305653
Score: 21.9329
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x + 1}{(x - 1)^{5}}$$

Sequence: A305687
Score: 4.77012
Type of gen. func.: ogf

$$- \frac{3 x^{6} + 18 x^{4} - 27 x^{3} + 6 x^{2} - 19 x - 1}{(x + 1) (x^{7} - 2 x^{6} + x^{5} - 11 x^{3} - x^{2} - 7 x + 1)}$$

Sequence: A305687
Score: 4.96093
Type of gen. func.: ogf

$$- \frac{3 x^{6} + 18 x^{4} - 27 x^{3} + 6 x^{2} - 19 x - 1}{(x + 1) (x^{7} - 2 x^{6} + x^{5} - 11 x^{3} - x^{2} - 7 x + 1)}$$

Sequence: A305708
Score: 10.6746
Type of gen. func.: lgdegf]

$$-\exp(-x)\sin(x) - \exp(-x)\cos(x)$$

Sequence: A305708
Score: 13.5211
Type of gen. func.: lgdegf]

$$-\exp(-x)(\sin(x) + \cos(x))$$

Sequence: A305721
Score: 4.33474
Type of gen. func.: ogf

$$\{(2n^2 + 9n + 10)a(n+1) + (-4n^2 - 20n - 123)a(n+2)$$

$$+ (2n^2 + 11n + 15)a(n+3), a(0) = 1, a(1) = 99, a(2) = 1765\}$$

Sequence: A305721
Score: 4.98496
Type of gen. func.: ogf

$$\frac{(x+1)(x^6 + 90x^5 + 911x^4 + 2092x^3 + 911x^2 + 90x + 1)}{(x-1)^8}$$

Sequence: A305721
Score: 8.48503
Type of gen. func.: ogf

$$\frac{(x+1)(x^6 + 90x^5 + 911x^4 + 2092x^3 + 911x^2 + 90x + 1)}{(x-1)^8}$$

Sequence: A305722
Score: 3.84802
Type of gen. func.: ogf

$$-(x^8 + 120x^7 + 1820x^6 + 8008x^5 + 12870x^4 + 8008x^3 + 1820x^2 + 120x + 1)$$

$$/ \; (x - 1)^{9}$$

Sequence: A305722
Score: 3.84802
Type of gen. func.: ogf

$$\{(2 n^{2} + 9 n + 10) a(n + 1) + (-4 n^{2} - 20 n - 153) a(n + 2)$$

$$+ (2 n^{2} + 11 n + 15) a(n + 3), a(0) = 1, a(1) = 129, a(2) = 2945\}$$

Sequence: A305722
Score: 6.29986
Type of gen. func.: ogf

$$- (x^{8} + 120 x^{7} + 1820 x^{6} + 8008 x^{5} + 12870 x^{4} + 8008 x^{3} + 1820 x^{2} + 120 x + 1)$$

$$/ \; (x - 1)^{9}$$

Sequence: A305723
Score: 3.54932
Type of gen. func.: ogf

$$(x + 1) (x^{2} + 14 x + 1) (x^{6} + 138 x^{5} + 975 x^{4} + 1868 x^{3} + 975 x^{2} + 138 x + 1)$$

$$/ \; (x - 1)^{10}$$

Sequence: A305723
Score: 4.10570
Type of gen. func.: ogf

$$\{(2 n^{2} + 9 n + 10) a(n + 1) + (-4 n^{2} - 20 n - 187) a(n + 2)$$

$$+ (2 n^{2} + 11 n + 15) a(n + 3), a(0) = 1, a(1) = 163, a(2) = 4645\}$$

Sequence: A305723

Score: 6.43691
Type of gen. func.: ogf

$$(x + 1) (x^2 + 14 x + 1) (x^6 + 138 x^5 + 975 x^4 + 1868 x^3 + 975 x^2 + 138 x + 1) / (x - 1)^{10}$$

Sequence: A305724
Score: 3.80950
Type of gen. func.: ogf

$$\{(2 n^2 + 9 n + 10) a(n + 1) + (-4 n^2 - 20 n - 225) a(n + 2) + (2 n^2 + 11 n + 15) a(n + 3), a(0) = 1, a(1) = 201, a(2) = 7001\}$$

Sequence: A305724
Score: 5.18204
Type of gen. func.: ogf

$$- (x^2 + 6 x + 1) (x^8 + 184 x^7 + 3740 x^6 + 16136 x^5 + 25414 x^4 + 16136 x^3 + 3740 x^2 + 184 x + 1) / (x - 1)^{11}$$

Sequence: A305730
Score: 9.43581
Type of gen. func.: lgdegf]

$$- \frac{x^3 - 2 x^2 + 3 x + 4}{(x - 1) (x^2 - 2 x + 3)}$$

Sequence: A305739
Score: 5.15545
Type of gen. func.: egf]

$$- \frac{\exp(x) x^4 - 4 \exp(x) x^3 + 6 \exp(x) x^2 - 4 \exp(x) x + \exp(x) - 2 x - 1}{(x - 1)^4}$$

Sequence: A305750
Score: 11.4905
Type of gen. func.: ogf

$$\frac{x^3 - 3 x^2 + 1}{(x - 1) (2 x + 1) (2 x - 1)}$$

Sequence: A305750
Score: 6.66254
Type of gen. func.: ogf

$$-(2 f(x) + 3) (4 f(x) x^3 - 4 f(x) x^2 - x^3 - f(x) x + 3 x^2 + f(x) - 1)$$

Sequence: A305751
Score: 7.06873
Type of gen. func.: ogf

$$\frac{(2 x - 1) (x^4 - 3 x^3 - 2 x^2 + 2 x + 1)}{(x - 1) (2 x^2 - 1) (5 x^2 - 1)}$$

Sequence: A305752
Score: 5.87551
Type of gen. func.: ogf

$$\frac{8 x^7 - 25 x^6 - 6 x^5 + 29 x^4 + x^3 - 10 x^2 + 1}{(x - 1) (6 x^2 - 1) (3 x^2 - 1) (2 x^2 - 1)}$$

Sequence: A305753
Score: 12.068
Type of gen. func.: ogf

$$-\frac{x (3 x - 1) (3 x + 1)}{(x - 1) (10 x^2 - 1)}$$

Sequence: A305753
Score: 14.3180
Type of gen. func.: ogf

$$-\frac{x (3 x - 1) (3 x + 1)}{(x - 1) (10 x^2 - 1)}$$

Sequence: A305753
Score: 6.35159
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3) - 10 a(n + 2) + 10 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 2\}$$

Sequence: A305753
Score: 7.47576
Type of gen. func.: ogf

$$-(7 f(x) - 2) (10 f(x) x^3 - 10 f(x) x^2 + 9 x^3 - f(x) x + f(x) - x)$$

Sequence: A305777
Score: 5.93776
Type of gen. func.: ogf

$$\frac{10 x^6 - x^5 - 13 x^4 + x^3 + 6 x^2 - 1}{(2 x - 1) (x + 1) (3 x^2 - 1) (2 x^2 - 1) (x - 1)^2}$$

Sequence: A305777
Score: 6.35856
Type of gen. func.: ogf

$$\frac{10 x^6 - x^5 - 13 x^4 + x^3 + 6 x^2 - 1}{(2 x - 1) (x + 1) (3 x^2 - 1) (2 x^2 - 1) (x - 1)^2}$$

Sequence: A305826
Score: 4.95307
Type of gen. func.: ogf

$$-\frac{4 x^{8} - 26 x^{7} + 74 x^{6} - 120 x^{5} + 120 x^{4} - 76 x^{3} + 28 x^{2} - 8 x + 1}{(5 x - 1) (x^{2} - x + 1) (x^{6} - 6 x^{5} + 15 x^{4} - 19 x^{3} + 12 x^{2} - 3 x + 1)}$$

Sequence: A305826
Score: 4.98121
Type of gen. func.: ogf

$$-\frac{4 x^{8} - 26 x^{7} + 74 x^{6} - 120 x^{5} + 120 x^{4} - 76 x^{3} + 28 x^{2} - 8 x + 1}{(5 x - 1) (x^{2} - x + 1) (x^{6} - 6 x^{5} + 15 x^{4} - 19 x^{3} + 12 x^{2} - 3 x + 1)}$$

Sequence: A305859
Score: 12.7577
Type of gen. func.: ogf

$$\frac{x^{3} + 8 x^{2} + 2 x + 1}{(x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A305859
Score: 12.7577
Type of gen. func.: ogf

$$\frac{x^{3} + 8 x^{2} + 2 x + 1}{(x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A305859
Score: 5.27116
Type of gen. func.: ogf

$$\{(4 n + 13) a(n + 1) + 4 a(n + 2) + 4 a(n + 3) + (-4 n - 9) a(n + 4), a(0) = 1,$$
$$a(1) = 3, a(2) = 11, a(3) = 13\}$$

Sequence: A305859
Score: 7.09907
Type of gen. func.: ogf

$$(456 f(x) + 4051) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 8 x^2 + f(x) - 2 x - 1)$$

Sequence: A305861
Score: 11.7793
Type of gen. func.: ogf

$$\frac{2 x^2 - 7 x - 5}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A305861
Score: 6.38044
Type of gen. func.: ogf

$$(17582 f(x) - 68527) (6 f(x) x^3 - 11 f(x) x^2 + 6 f(x) x - 2 x^2 - f(x) + 7 x + 5)$$

Sequence: A305862
Score: 4.99656
Type of gen. func.: ogf

$$(5215381309 f(x) + 65845639600) (24 f(x) x^4 - 50 f(x) x^3 + 35 f(x) x^2 - 10 f(x) x + 24 x^2 + f(x) - 94 x - 14)$$

Sequence: A305862
Score: 9.33093
Type of gen. func.: ogf

$$- \frac{2 (12 x^2 - 47 x - 7)}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A305863
Score: 6.01707
Type of gen. func.: ogf

$$- \frac{56 x^4 - 490 x^3 + 479 x^2 + 898 x + 41}{(x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A305867
Score: 32.7590
Type of gen. func.: egf]_with_Euler_transform]

$$\frac{1}{(1 - 2 x)^{(3/2)}}$$

Sequence: A305880
Score: 10.7704
Type of gen. func.: ogf

$$- \frac{2110 x^2 - 2211}{(x - 1) (10 x^2 - 1)}$$

Sequence: A305880
Score: 5.14405
Type of gen. func.: ogf

$$(444443311 f(x) + 221150761241)$$

$$(10 f(x) x^3 - 10 f(x) x^2 - f(x) x + 2110 x^2 + f(x) - 2211)$$

Sequence: A305886
Score: 16.0317
Type of gen. func.: lgdogf

$$\frac{6}{1728 x - 1}$$

Sequence: A305886
Score: 4.51802
Type of gen. func.: ogf

$$\{(n + 2) a(n + 2) + (-1722 - 1728 n) a(n + 1), a(0) = 1, a(1) = -6\}$$

Sequence: A305889
Score: 14.5118
Type of gen. func.: ogf

$$-\frac{x^2 (2 x + 1)}{x^4 + 3 x^2 - 1}$$

Sequence: A305889
Score: 8.27017
Type of gen. func.: ogf

$$(2 f(x) + 1) (f(x) x^4 + 3 f(x) x^2 + 2 x^3 + x^2 - f(x))$$

Sequence: A305931
Score: 6.47309
Type of gen. func.: ogf

$$- 59049 (564859072962 x^{13} + 20920706406 x^{11} + 1119214746 x^9 + 12754584 x^8 + 39366 x^5 + 240 x + 1)/(3 x - 1)$$

Sequence: A305934
Score: 12.9535
Type of gen. func.: ogf

$$(3 f(x) x - f(x) + 14171760 x + 59049)^3$$

Sequence: A305956
Score: 3.38722
Type of gen. func.: ogf

$$-\frac{9x^9+25x^7+26x^6+121x^5+186x^4+48x^3-15x^2-21x-1}{11x^9+39x^8+58x^7+107x^6+135x^5+54x^4-14x^3-17x^2-4x+1}$$

Sequence: A305956
Score: 3.38722
Type of gen. func.: ogf

$$-\frac{9x^9+25x^7+26x^6+121x^5+186x^4+48x^3-15x^2-21x-1}{11x^9+39x^8+58x^7+107x^6+135x^5+54x^4-14x^3-17x^2-4x+1}$$

Sequence: A305991
Score: 21.5283
Type of gen. func.: lgdogf

$$\frac{3}{27x-1}$$

Sequence: A305991
Score: 5.88981
Type of gen. func.: ogf

$$\{(n+2)\,a(n+2)+(-24-27n)\,a(n+1),\ a(0)=1,\ a(1)=-3\}$$

Sequence: A306027
Score: 12.8849
Type of gen. func.: lgdegf]

$$\exp(x)+\exp(3x)+\exp(2x)$$

Sequence: A306161
Score: 4.52385
Type of gen. func.: ogf

$$\frac{16x^9+8x^8+24x^7+10x^6-21x^5-22x^4-15x^3+4x^2+x+4}{8x^7+8x^6+2x^5-2x^4-5x^3-2x^2-x+1}$$

Sequence: A306185
Score: 11.341
Type of gen. func.: lgdegf]

$$\frac{-32 x - 29 + 6 (1 - 2 x)^{1/2}}{(8 x + 5) (2 x - 1)}$$

Sequence: A306194
Score: 4.89226
Type of gen. func.: ogf

$$- (x^{11} + 5 x^{10} + 90 x^{9} + 993 x^{8} + 6825 x^{7} + 26538 x^{6} + 55816 x^{5} + 58127 x^{4} + 25963 x^{3} + 3777 x^{2} + 113 x + 1)/(x - 1)$$

Sequence: A306258
Score: 15.8909
Type of gen. func.: egf]

$$- \frac{x^{2}}{(x + 1) (x - 1)^{3}}$$

Sequence: A306258
Score: 8.04355
Type of gen. func.: egf]

$$-f(x) x^{4} + 2 f(x) x^{3} - 2 f(x) x - x^{2} + f(x)$$

Sequence: A306262
Score: 13.444
Type of gen. func.: ogf

$$- \frac{x^{3} (x^{2} + x - 4)}{(x + 1) (x - 1)^{4}}$$

Sequence: A306276
Score: 13.4618
Type of gen. func.: ogf

$$\frac{x^3 - x - 1}{(x + 1) (x^3 + x - 1)}$$

Sequence: A306276
Score: 7.39792
Type of gen. func.: ogf

$$(f(x) - 1) (f(x) x^4 + f(x) x^3 + f(x) x^2 - x^3 - f(x) + x + 1)$$

Sequence: A306277
Score: 18.9816
Type of gen. func.: ogf

$$\frac{2 x^2 + 7 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A306277
Score: 8.59852
Type of gen. func.: ogf

$$(940 f(x) + 20151) (f(x) x^3 - f(x) x^2 - f(x) x - 2 x^2 + f(x) - 7 x - 1)$$

Sequence: A306278
Score: 16.4773
Type of gen. func.: ogf

$$\frac{3 x^2 + 9 x + 2}{(x + 1) (x - 1)^2}$$

Sequence: A306278
Score: 7.15819
Type of gen. func.: ogf

$$-(2772 f(x) - 44551) (f(x) x^3 - f(x) x^2 - f(x) x - 3 x^2 + f(x) - 9 x - 2)$$

Sequence: A306279
Score: 14.7074
Type of gen. func.: ogf

$$\frac{4 x^2 + 15 x + 3}{(x + 1) (x - 1)^2}$$

Sequence: A306279
Score: 6.40484
Type of gen. func.: ogf

$$-(9724 f(x) + 885583) (f(x) x^3 - f(x) x^2 - f(x) x - 4 x^2 + f(x) - 15 x - 3)$$

Sequence: A306285
Score: 20.4005
Type of gen. func.: ogf

$$\frac{5 x^2 + 17 x + 4}{(x + 1) (x - 1)^2}$$

Sequence: A306285
Score: 8.88411
Type of gen. func.: ogf

$$-(6188 f(x) - 438437) (f(x) x^3 - f(x) x^2 - f(x) x - 5 x^2 + f(x) - 17 x - 4)$$

Sequence: A306293
Score: 5.07409

Type of gen. func.: ogf

$$-\frac{(x+1)(4x^7-4x^6-7x^5-5x^4+5x^3+5x^2-x-1)}{(3x^2-1)(2x^2-1)(x^2+x-1)(x^2-x-1)}$$

Sequence: A306315
Score: 3.71169
Type of gen. func.: ogf

$$-(2x^{11}-18x^9+9x^8+48x^7+3x^6-44x^5-14x^4+16x^3+7x^2-2x-1) \Big/ ((3x^2-1)(x^2+x-1)(x^2-x-1)(x^3-2x^2-x+1)(x^3+2x^2-x-1))$$

Sequence: A306331
Score: 13.5492
Type of gen. func.: ogf

$$\frac{7x^2+25x+6}{(x+1)(x-1)^2}$$

Sequence: A306331
Score: 5.8068
Type of gen. func.: ogf

$$-(58900\,f(x)-9661559)(f(x)\,x^3-f(x)\,x^2-f(x)\,x-7x^2+f(x)-25x-6)$$

Sequence: A306334
Score: 6.12546
Type of gen. func.: ogf

$$-\frac{(x+1)(x^7-2x^6+x^4-3x^3+5x^2-1)}{(x^3-x^2-2x+1)(x^6-x^4-2x^2+1)}$$

Sequence: A306351
Score: 9.63917
Type of gen. func.: ogf

$$\frac{2 x^{9} - 3 x^{8} + x^{3} - 3 x^{2} + 3 x - 1}{(x^{4} + x - 1) (x - 1)^{2}}$$

Sequence: A306357
Score: 8.97893
Type of gen. func.: ogf

$$\frac{x (x^{5} + x^{4} - 2 x^{3} + x + 1)}{(x - 1) (x^{3} + x^{2} + x - 1)}$$

Sequence: A306368
Score: 8.54381
Type of gen. func.: ogf

$$- \frac{x^{8} + x^{7} - 3 x^{5} - 2 x^{4} + 3 x^{3} + 5 x^{2} + 10 x + 6}{(x - 1)^{3} (x^{2} + x + 1)^{3}}$$

Sequence: A306376
Score: 7.44011
Type of gen. func.: ogf

$$- \frac{2 I x - I + (4 x - 1)^{1/2}}{2 (x - 1) (2 x - 1) (4 x - 1)^{1/2}}$$

Sequence: A306380
Score: 3.72736
Type of gen. func.: ogf

(267916878 f(x) - 16343575)

3 2 2

```
    (f(x) x  - 323 f(x) x  + 323 f(x) x + 25 x  - f(x) - 850 x + 25)



-------------------------------------------------------------------------------

Sequence:  A306380
Score: 7.23864
Type of gen. func.: ogf


                                     2
                                25 (x  - 34 x + 1)
                           - ------------------------
                                       2
                             (x - 1) (x  - 322 x + 1)



-------------------------------------------------------------------------------

Sequence:  A306381
Score: 8.37796
Type of gen. func.: ogf


               6        5         4          3         2
              x  + 408 x  + 5739 x  + 12724 x  + 5739 x  + 408 x + 1
            - ------------------------------------------------------
                                            7
                                     (x - 1)



-------------------------------------------------------------------------------

Sequence:  A306404
Score: 14.9939
Type of gen. func.: revegf]


                          3      2
                         x      x
                      - ---- - ---- - x/3 + 4/3 ln(x + 1)
                         9      3



-------------------------------------------------------------------------------

Sequence:  A306409
Score: 5.08949
Type of gen. func.: ogf


      2  4       2  3          2  2          2             2         2
4 f(x)  x  - f(x)  x  - 12 f(x)  x  + 11 f(x)  x - 4 f(x) x  - 2 f(x)

     + 5 f(x) x - f(x) + x



-------------------------------------------------------------------------------

Sequence:  A306409
Score: 7.12529
Type of gen. func.: ogf


                                                     2 1/2
                      4 x - 1 + (-(4 x - 1) (2 x + 1) )
```

$$\overline{2 (x + 2) (4 x - 1) (x - 1)}$$

Sequence: A306423
Score: 4.82264
Type of gen. func.: ogf

$$1/2 I (6 I x^4 - x^2 I - (4 x - 1)^{1/2} x^2 + 7 I x - 3 (4 x - 1)^{1/2} x - 2 I + 2 (4 x - 1)^{1/2}) / x^5$$

Sequence: A306447
Score: 9.13323
Type of gen. func.: ogf

$$- \frac{3 x^4 - 4 x^3 - 8 x^2 + 3}{(x^3 + 2 x^2 + x - 1) (x - 1)^2}$$

Sequence: A306455
Score: 8.70071
Type of gen. func.: egf]

$$\frac{\exp(-x) (\exp(x) x - \exp(x) + x + 1)}{(x - 1)^2}$$

Sequence: A306463
Score: 7.2359
Type of gen. func.: lgdogf

$$- \frac{3 x^5 + 5 x^4 - 2 x^3 - 6 x^2 - x - 1}{x^6 + 2 x^5 - x^4 - 4 x^3 - x^2 - 2 x + 1}$$

Sequence: A306472
Score: 16.4722
Type of gen. func.: ogf

$$-27 f(x) x + f(x) - 37$$

Sequence: A306472
Score: 26.2335
Type of gen. func.: ogf

$$-\frac{37}{27 x - 1}$$

Sequence: A306473
Score: 2.15423
Type of gen. func.: ogf

$$\frac{x^8 - x^7 + x^6 + x^3 + x + 1}{(x - 1) (x^4 + x^2 - 1)}$$

Sequence: A306495
Score: 11.1799
Type of gen. func.: egf]

$$-\frac{(\exp(-x) - 2) \exp(x)}{(x - 1)^2}$$

Sequence: A306504
Score: 13.549
Type of gen. func.: ogf

$$\frac{1}{x^6 + 2 x^5 - x^4 - 4 x^3 - x^2 - 2 x + 1}$$

Sequence: A306519
Score: 10.6457
Type of gen. func.: ogf

$$-2 f(x)^2 x^2 - 2 f(x)^2 x + 2 f(x) x + f(x) - 1$$

Sequence: A306519
Score: 15.7639
Type of gen. func.: revogf

$$-\frac{x\,(2\,x-1)}{2\,x^{2}-2\,x+1}$$

Sequence: A306545
Score: 5.27988
Type of gen. func.: ogf

$$(729082\,f(x)-5842617)$$

$$(12\,f(x)\,x^{3}-17\,x^{4}-19\,f(x)\,x^{2}+27\,x^{3}+8\,f(x)\,x-17\,x^{2}-f(x)+1)$$

Sequence: A306545
Score: 9.1738
Type of gen. func.: ogf

$$\frac{17\,x^{4}-27\,x^{3}+17\,x^{2}-1}{(x-1)\,(3\,x-1)\,(4\,x-1)}$$

Sequence: A306561
Score: 6.91653
Type of gen. func.: ogf

$$-\frac{x^{4}+3\,x^{3}-22\,x^{2}+3\,x+1}{(x-1)\,(x^{2}+6\,x+1)\,(x^{2}-6\,x+1)}$$

Sequence: A306603
Score: 5.36404
Type of gen. func.: ogf

$$-(3\,f(x)-14)$$

$$(f(x)\,x^{4}-4\,f(x)\,x^{3}-4\,f(x)\,x^{2}+4\,x^{3}+f(x)\,x+8\,x^{2}+f(x)-3\,x-4)$$

Sequence: A306603
Score: 9.89213
Type of gen. func.: ogf

$$-\frac{4 x^3 + 8 x^2 - 3 x - 4}{x^4 - 4 x^3 - 4 x^2 + x + 1}$$

Sequence: A306610
Score: 4.89921
Type of gen. func.: ogf

(1461 f(x) - 13178)

$$(f(x) x^4 + f(x) x^3 - 4 f(x) x^2 + 4 x^3 - 4 f(x) x + 3 x^2 + f(x) - 8 x - 4)$$

Sequence: A306610
Score: 9.16216
Type of gen. func.: ogf

$$-\frac{4 x^3 + 3 x^2 - 8 x - 4}{x^4 + x^3 - 4 x^2 - 4 x + 1}$$

Sequence: A306611
Score: 6.57189
Type of gen. func.: ogf

$$-\frac{6 x^5 + 20 x^4 - 20 x^3 - 75 x^2 - 10 x + 4}{(x^2 + 3 x + 1) (x^4 + x^3 - 9 x^2 + x + 1)}$$

Sequence: A306623
Score: 10.6823
Type of gen. func.: lgdegf]

$$8 x^7 + 7 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1$$

Sequence: A306637
Score: 10.7122
Type of gen. func.: ogf

$$\frac{x (x^2 + 1)}{x^4 + x^3 + 2 x^2 - x + 1}$$

Sequence: A306637
Score: 5.3976
Type of gen. func.: ogf

$$-(5 f(x) - 8) (f(x) x^4 + f(x) x^3 + 2 f(x) x^2 - x^3 - f(x) x + f(x) - x)$$

Sequence: A306668
Score: 10.8649
Type of gen. func.: revogf

$$\frac{x^2}{3} - \frac{2 x}{3} + 1/9 - \frac{(-3 x^2 + 6 x + 1)^{1/2}}{9}$$

Sequence: A306672
Score: 14.2899
Type of gen. func.: ogf

$$- \frac{2 (2 x - 1)}{(x - 1) (x^2 + 4 x - 1)}$$

Sequence: A306672
Score: 7.4727
Type of gen. func.: ogf

$$-(95 f(x) - 46) (f(x) x^3 + 3 f(x) x^2 - 5 f(x) x + f(x) + 4 x - 2)$$

Sequence: A306721
Score: 9.46939
Type of gen. func.: ogf

$$-\frac{(x-1)^{6}}{x^{8}+x^{7}-7x^{6}+21x^{5}-35x^{4}+35x^{3}-21x^{2}+7x-1}$$

Sequence: A306752
Score: 8.02409
Type of gen. func.: ogf

$$\frac{(x-1)^{7}}{x^{9}-x^{8}+8x^{7}-28x^{6}+56x^{5}-70x^{4}+56x^{3}-28x^{2}+8x-1}$$

Sequence: A306753
Score: 6.87442
Type of gen. func.: ogf

$$-(x-1)^{8} \Big/ \left(x^{10}+x^{9}-9x^{8}+36x^{7}-84x^{6}+126x^{5}-126x^{4}+84x^{3}-36x^{2}+9x-1\right)$$

Sequence: A306755
Score: 17.9207
Type of gen. func.: ogf

$$\frac{x^{6}-7}{x^{7}+x^{6}-1}$$

Sequence: A306756
Score: 15.8848
Type of gen. func.: ogf

$$\frac{x^{7}-8}{}$$

$$x^{8} + x^{7} - 1$$

Sequence: A306757
Score: 11.5264
Type of gen. func.: ogf

$$\frac{(x^{4} - 3)\,(x^{4} + 3)}{x^{9} + x^{8} - 1}$$

Sequence: A306758
Score: 13.9683
Type of gen. func.: ogf

$$\frac{x^{9} - 10}{x^{10} + x^{9} - 1}$$

Sequence: A306764
Score: 4.33565
Type of gen. func.: ogf

$$- \frac{6\,x^{8} + 2\,x^{7} + x^{6} - 3\,x^{5} + x^{3} + 6\,x^{2} + x + 1}{(x - 1)\,(x^{2} + 1)\,(x^{2} + x + 1)\,(x^{4} - x^{2} + 1)}$$

Sequence: A306771
Score: 14.8342
Type of gen. func.: ogf

$$\frac{3\,(x^{2} + 4\,x + 1)}{(x - 1)^{2}\,(x + 1)}$$

Sequence: A306771
Score: 9.39497
Type of gen. func.: ogf

$$-f(x)\,x^3 + f(x)\,x^2 + f(x)\,x + 3\,x^2 - f(x) + 12\,x + 3$$

Sequence: A306809
Score: 7.30018
Type of gen. func.: ogf

$$-\frac{6\,x^6 - 22\,x^5 + 40\,x^4 - 41\,x^3 + 27\,x^2 - 11\,x + 2}{(x - 1)\,(2\,x - 1)^2\,(x^2 - x + 1)^2}$$

Sequence: A306810
Score: 8.14299
Type of gen. func.: ogf

$$\frac{2\,x^6 + 14\,x^5 + 42\,x^4 + 55\,x^3 + 37\,x^2 + 13\,x + 2}{(x + 1)\,(3\,x^2 + 3\,x + 1)^2}$$

Sequence: A306847
Score: 10.7506
Type of gen. func.: ogf

$$\frac{(x - 1)^5}{(2\,x - 1)\,(x^2 - x + 1)\,(3\,x^2 - 3\,x + 1)}$$

Sequence: A306852
Score: 8.62407
Type of gen. func.: ogf

$$-\frac{(x - 1)^6}{(2\,x - 1)\,(x^6 - 3\,x^5 + 9\,x^4 - 13\,x^3 + 11\,x^2 - 5\,x + 1)}$$

Sequence: A306853
Score: 2.26344
Type of gen. func.: ogf

$$-(f(x)\,x^2 - 2\,f(x)\,x + f(x) - 1)^2$$

Sequence: A306859
Score: 9.20987
Type of gen. func.: ogf

$$\frac{(x-1)^7}{(2x-1)\,(2x^2-2x+1)\,(2x^4-4x^3+6x^2-4x+1)}$$

Sequence: A306860
Score: 7.1896
Type of gen. func.: ogf

$$-\frac{(x-1)^8}{(2x-1)\,(x^2-x+1)\,(x^6-3x^5+12x^4-19x^3+15x^2-6x+1)}$$

Sequence: A306939
Score: 8.03553
Type of gen. func.: ogf

$$-\frac{1}{(2x-1)\,(x^2-x+1)\,(x^6-3x^5+12x^4-19x^3+15x^2-6x+1)}$$

Sequence: A306940
Score: 10.9304
Type of gen. func.: ogf

$$\frac{1}{(2x^2-2x+1)\,(x^4-2x^3+5x^2-4x+1)}$$

Sequence: A306941
Score: 9.00375
Type of gen. func.: ogf

$$\frac{1}{2 x^{8} - 8 x^{7} + 28 x^{6} - 56 x^{5} + 70 x^{4} - 56 x^{3} + 28 x^{2} - 8 x + 1}$$

Sequence: A306942
Score: 8.62446
Type of gen. func.: ogf

$$\frac{1}{(3 x^{2} - 3 x + 1) (3 x^{6} - 9 x^{5} + 18 x^{4} - 21 x^{3} + 15 x^{2} - 6 x + 1)}$$

Sequence: A306957
Score: 24.026
Type of gen. func.: egf]

$$(x + 1)^{10}$$

Sequence: A306967
Score: 11.8744
Type of gen. func.: ogf

$$\frac{2 (x^{3} - 2 x^{2} - 1)}{(x^{2} + x - 1)^{3}}$$

Sequence: A306994
Score: 5.87757
Type of gen. func.: ogf

$$(2 x^{32} - 106 x^{30} - 97 x^{29} + 21 x^{28} - x^{27} - 21 x^{26} + 4 x^{11} - 32 x^{9} - 25 x^{8} - 9 x^{2} - 9 x - 1) / ((x - 1) (x + 1)^{2})$$

Sequence: A307018
Score: 13.0966
Type of gen. func.: ogf

$$-\frac{x^3}{(x+1)(x^2+x+1)^2(x-1)^3}$$

Sequence: A307040
Score: 9.36164
Type of gen. func.: ogf

$$-\frac{(x-1)^5}{(2x^2-2x+1)(x^4-2x^3+5x^2-4x+1)}$$

Sequence: A307041
Score: 9.75417
Type of gen. func.: ogf

$$\frac{(x-1)^6}{7x^6-21x^5+35x^4-35x^3+21x^2-7x+1}$$

Sequence: A307044
Score: 7.5327
Type of gen. func.: ogf

$$-\frac{(x-1)^7}{2x^8-8x^7+28x^6-56x^5+70x^4-56x^3+28x^2-8x+1}$$

Sequence: A307045
Score: 7.9365
Type of gen. func.: ogf

$$\frac{(x-1)^8}{(3x^2-3x+1)(3x^6-9x^5+18x^4-21x^3+15x^2-6x+1)}$$

Sequence: A307089
Score: 9.54054
Type of gen. func.: ogf

$$\frac{(x-1)^4}{(2x^2-2x+1)(x^4-2x^3+5x^2-4x+1)}$$

Sequence: A307168
Score: 16.1631
Type of gen. func.: ogf

$$-\frac{4x-11}{x^2-16x+1}$$

Sequence: A307168
Score: 7.91318
Type of gen. func.: ogf

$$-(1365 f(x) - 223)(f(x) x^2 - 16 f(x) x + f(x) + 4 x - 11)$$

Sequence: A307169
Score: 17.5264
Type of gen. func.: ogf

$$\frac{x+4}{x^2-16x+1}$$

Sequence: A307169
Score: 8.179
Type of gen. func.: ogf

$$(1032 f(x) + 97)(f(x) x^2 - 16 f(x) x + f(x) - x - 4)$$

Sequence: A307172
Score: 15.4113
Type of gen. func.: ogf

$$-\frac{11x-4}{x^2-16x+1}$$

Sequence: A307172
Score: 7.62455
Type of gen. func.: ogf

$$-(840 f(x) - 551) (f(x) x^2 - 16 f(x) x + f(x) + 11 x - 4)$$

Sequence: A307173
Score: 16.7553
Type of gen. func.: ogf

$$\frac{4x+1}{x^2-16x+1}$$

Sequence: A307173
Score: 7.90698
Type of gen. func.: ogf

$$(159 f(x) + 41) (f(x) x^2 - 16 f(x) x + f(x) - 4 x - 1)$$

Sequence: A307181
Score: 8.14608
Type of gen. func.: ogf

$$\frac{2 x (x^6 + 2 x^5 - 3 x^4 - 2 x^2 + 3 x - 3)}{(x^2 + x - 1)^3}$$

Sequence: A307182
Score: 13.772
Type of gen. func.: ogf

$$-\frac{4 x^4 (x^2 + x + 1)}{}$$

$$(x + 1)^3 (x - 1)^5$$

Sequence: A307201
Score: 6.81981
Type of gen. func.: ogf

$$\frac{x^8 + 9 x^7 + 12 x^6 + 24 x^5 + 19 x^4 + 12 x^3 + 9 x^2 + 3 x + 1}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A307202
Score: 6.76391
Type of gen. func.: ogf

$$\frac{x^8 + 12 x^7 + 12 x^6 + 18 x^5 + 19 x^4 + 15 x^3 + 9 x^2 + 3 x + 1}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A307203
Score: 4.50927
Type of gen. func.: ogf

$$- (2 x^{16} - 2 x^{15} + 4 x^{14} - x^{13} + x^{12} - 2 x^{10} - 4 x^9 - 3 x^8 - 8 x^7 - 4 x^6 - 8 x^5 - 7 x^4 - 5 x^3 - 5 x^2 - 2 x - 1) / ((x + 1) (x - 1)^2 (x^2 + 1)^2)$$

Sequence: A307204
Score: 4.59842
Type of gen. func.: ogf

$$- (6 x^{17} + 12 x^{16} - 12 x^{13} - 12 x^{12} - 3 x^{11} - 6 x^{10} - 7 x^8 - 18 x^7 - 12 x^6 - 12 x^5 - 10 x^4 - 6 x^3 - 6 x^2 - 3 x - 1) / ((x - 1)^2 (x + 1)^2 (x^2 + 1)^2)$$

Sequence: A307205
Score: 5.18264

Type of gen. func.: ogf

$$-(2 x^{14} + 4 x^{13} - 4 x^{10} - 4 x^{9} - 7 x^{8} - 8 x^{7} - 13 x^{6} - 16 x^{5} - 17 x^{4} - 14 x^{3} - 8 x^{2} - 4 x - 1) / ((x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2})$$

Sequence: A307208
Score: 9.0832
Type of gen. func.: ogf

$$\frac{2 (3 x^{6} - 3 x^{5} + 4 x^{4} - 7 x^{3} + 8 x^{2} + x + 1)}{(x^{2} + x - 1)^{4}}$$

Sequence: A307253
Score: 13.2086
Type of gen. func.: ogf

$$\frac{2 x^{2} (4 x^{2} + 10 x + 7)}{(x + 1) (x - 1)^{4}}$$

Sequence: A307268
Score: 13.6661
Type of gen. func.: ogf

$$-\frac{x - 3}{(x - 1) (x^{2} + 4 x - 1)}$$

Sequence: A307268
Score: 7.08153
Type of gen. func.: ogf

$$(31840 f(x) - 6987) (f(x) x^{3} + 3 f(x) x^{2} - 5 f(x) x + f(x) + x - 3)$$

Sequence: A307270

Score: 4.21019
Type of gen. func.: ogf

$$-(2 x^{17} + 6 x^{16} + 4 x^{15} - 2 x^{14} - 6 x^{12} - 5 x^{11} - 2 x^{10} - 8 x^{9} - 9 x^{8} - 13 x^{7} - 15 x^{6} - 12 x^{5} - 11 x^{4} - 9 x^{3} - 6 x^{2} - 3 x - 1) / ((x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2})$$

Sequence: A307271
Score: 6.68944
Type of gen. func.: ogf

$$-\frac{x^{8} + 9 x^{7} + 12 x^{6} + 24 x^{5} + 19 x^{4} + 12 x^{3} + 9 x^{2} + 3 x + 1}{(x + 1)^{2} (x^{2} + 1)^{2} (x - 1)^{3}}$$

Sequence: A307272
Score: 6.63634
Type of gen. func.: ogf

$$-\frac{x^{8} + 12 x^{7} + 12 x^{6} + 18 x^{5} + 19 x^{4} + 15 x^{3} + 9 x^{2} + 3 x + 1}{(x + 1)^{2} (x^{2} + 1)^{2} (x - 1)^{3}}$$

Sequence: A307273
Score: 4.62814
Type of gen. func.: ogf

$$(2 x^{16} - 2 x^{15} + 4 x^{14} - x^{13} + x^{12} - 2 x^{10} - 4 x^{9} - 3 x^{8} - 8 x^{7} - 4 x^{6} - 8 x^{5} - 7 x^{4} - 5 x^{3} - 5 x^{2} - 2 x - 1) / ((x + 1) (x^{2} + 1)^{2} (x - 1)^{3})$$

Sequence: A307274
Score: 4.65414
Type of gen. func.: ogf

$$(6 x^{17} + 12 x^{16} - 12 x^{13} - 12 x^{12} - 3 x^{11} - 6 x^{10} - 7 x^{8} - 18 x^{7} - 12 x^{6}$$

$$- 12 x^{5} - 10 x^{4} - 6 x^{3} - 6 x^{2} - 3 x - 1) / ((x + 1)^{2} (x^{2} + 1)^{2} (x - 1)^{3})$$

Sequence: A307275
Score: 5.33531
Type of gen. func.: ogf

$$(2 x^{14} + 4 x^{13} - 4 x^{10} - 4 x^{9} - 7 x^{8} - 8 x^{7} - 13 x^{6} - 16 x^{5} - 17 x^{4} - 14 x^{3} - 8 x^{2} - 4 x - 1) / ((x + 1)^{2} (x^{2} + 1)^{2} (x - 1)^{3})$$

Sequence: A307276
Score: 4.31478
Type of gen. func.: ogf

$$(2 x^{17} + 6 x^{16} + 4 x^{15} - 2 x^{14} - 6 x^{12} - 5 x^{11} - 2 x^{10} - 8 x^{9} - 9 x^{8} - 13 x^{7} - 15 x^{6} - 12 x^{5} - 11 x^{4} - 9 x^{3} - 6 x^{2} - 3 x - 1) / ((x + 1)^{2} (x^{2} + 1)^{2} (x - 1)^{3})$$

Sequence: A307304
Score: 10.6791
Type of gen. func.: ogf

$$- \frac{x (x^{2} + 1) (x^{2} + x + 1)}{(x + 1)^{2} (x - 1)^{5}}$$

Sequence: A307307
Score: 7.05669
Type of gen. func.: ogf

$$\frac{2 x (3 x^{9} + 9 x^{8} - 6 x^{6} - 25 x^{5} + 27 x^{4} - 4 x^{3} + 6 x^{2} - 5 x + 5)}{(x^{2} + x - 1)^{4}}$$

Sequence: A307354
Score: 5.24643
Type of gen. func.: ogf

$$-4 f(x)^{2} x^{4} + f(x)^{2} x^{3} + 12 f(x)^{2} x^{2} - 11 f(x)^{2} x - 4 f(x) x^{2} + 2 f(x)^{2} + 5 f(x) x - f(x) - 1$$

Sequence: A307354
Score: 9.07325
Type of gen. func.: ogf

$$\frac{-4 x + 1 + 3 (-4 x + 1)^{1/2}}{2 (x + 2) (4 x - 1) (x - 1)}$$

Sequence: A307370
Score: 6.99645
Type of gen. func.: ogf

$$\frac{x^{3} (4 x^{5} + 6 x^{4} + 7 x^{3} + 6 x^{2} + 3 x + 1)}{(x^{2} + 1) (x^{2} + x + 1) (x - 1)^{2} (x + 1)^{2}}$$

Sequence: A307371
Score: 7.37529
Type of gen. func.: ogf

$$\frac{x (100 x^{4} - x^{3} + 99 x^{2} + 98 x + 1)}{(x - 1) (100 x^{3} - 1) (x^{2} + x + 1)}$$

Sequence: A307374
Score: 10.2528
Type of gen. func.: revogf

$$\frac{x^{2}}{2} - 1/2 + \frac{(x^{4} - 2 x^{2} + 4 x + 1)^{1/2}}{2}$$

Sequence: A307374
Score: 16.4046
Type of gen. func.: ogf

$$-x - 1 + f(x) + f(x)^2 x^2$$

Sequence: A307389
Score: 17.696
Type of gen. func.: lgdegf]

$$\exp(2 x) - \exp(x) + 1$$

Sequence: A307395
Score: 17.2987
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (3 x^2 - 3 x + 1)}$$

Sequence: A307395
Score: 7.86307
Type of gen. func.: ogf

$$(f(x) - 1) (3 f(x) x^3 - 6 f(x) x^2 + 4 f(x) x - f(x) + 1)$$

Sequence: A307411
Score: 10.4513
Type of gen. func.: ogf

$$f(x)^3 x^2 + f(x)^2 x^2 + f(x)^2 x - f(x) + 1$$

Sequence: A307411
Score: 14.3705
Type of gen. func.: revogf

$$2$$

$$-\frac{x\,(x \;\; + x - 1)}{x^{2} + 1}$$

Sequence: A307412
Score: 14.6033
Type of gen. func.: revogf

$$\frac{x\,(x^{2} + 2\,x - 1)}{x^{2} + x - 1}$$

Sequence: A307412
Score: 8.60823
Type of gen. func.: ogf

$$-f(x)^{3}\,x^{2} + f(x)^{2}\,x^{2} - 2\,f(x)^{2}\,x + f(x)\,x + f(x) - 1$$

Sequence: A307413
Score: 10.444
Type of gen. func.: ogf

$$2\,f(x)^{3}\,x^{2} - 2\,f(x)^{2}\,x^{2} + f(x)^{2}\,x - f(x) + 1$$

Sequence: A307413
Score: 14.3604
Type of gen. func.: revogf

$$\frac{x\,(x + 1)\,(2\,x - 1)}{2\,x^{2} - 1}$$

Sequence: A307415
Score: 8.55077
Type of gen. func.: ogf

```
  2              2                 2
(x  + 3 x + 1) (x  - x + 1) (x + 1)
------------------------------------
      2         2   2          2
```

$$(x + x - 1) (x - x - 1)$$

Sequence: A307418
Score: 14.4519
Type of gen. func.: revegf]

$$- \frac{x^2}{2} - x + 2 \ln(x + 1)$$

Sequence: A307460
Score: 19.6609
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x - 1}{(x + 1)^3}$$

Sequence: A307462
Score: 7.34397
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{(x - 1) (x^6 - x^5 - x^4 - 6 x^3 - x^2 - x + 1)}{(x + 1)^3 (x^2 + 1)^3}$$

Sequence: A307464
Score: 14.2292
Type of gen. func.: ogf

$$- \frac{2 x^2 - 1}{x^3 - 3 x^2 - x + 1}$$

Sequence: A307464
Score: 7.30687
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^3 - 3 f(x) x^2 - f(x) x + 2 x^2 + f(x) - 1)$$

Sequence: A307465
Score: 10.2079
Type of gen. func.: ogf

$$-\frac{x^3 + 2x^2 - 3x + 1}{(x^2 + 2x - 1)(x - 1)^2}$$

Sequence: A307465
Score: 6.26198
Type of gen. func.: ogf

$$(2 f(x) - 1)(f(x) x^4 - 4 f(x) x^2 + x^3 + 4 f(x) x + 2 x^2 - f(x) - 3 x + 1)$$

Sequence: A307466
Score: 5.33475
Type of gen. func.: ogf

$$(2 f(x) - 1)(2 f(x) x^4 + 5 f(x) x^3 - x^4 - 11 f(x) x^2 - x^3 + 6 f(x) x + 7 x^2 - f(x) - 5 x + 1)$$

Sequence: A307466
Score: 9.16323
Type of gen. func.: ogf

$$\frac{x^4 + x^3 - 7x^2 + 5x - 1}{(2x - 1)(x^3 + 3x^2 - 4x + 1)}$$

Sequence: A307469
Score: 16.5077
Type of gen. func.: ogf

$$-\frac{3x + 1}{6x^2 + 2x - 1}$$

Sequence: A307469
Score: 8.63774
Type of gen. func.: ogf

$$(22 f(x) + 3) (6 f(x) x^2 + 2 f(x) x - f(x) + 3 x + 1)$$

Sequence: A307484
Score: 7.65625
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{(x - 1) (x^6 - x^5 - x^4 - 6 x^3 - x^2 - x + 1)}{(x + 1)^3 (x^2 + 1)^3}$$

Sequence: A307489
Score: 12.7761
Type of gen. func.: revogf

$$\frac{(-4 x + 1 + (-4 x + 1)^{1/2}) x}{2}$$

Sequence: A307490
Score: 10.1172
Type of gen. func.: revogf

$$\frac{(-2 x + 1 + (-(2 x - 1) (2 x + 1))^{1/2}) x}{2}$$

Sequence: A307528
Score: 12.6092
Type of gen. func.: revogf

$$\frac{x (x^3 + x^2 + x - 1)}{x^3 + x - 1}$$

Sequence: A307529
Score: 12.5818
Type of gen. func.: revogf

$$\frac{x\,(x^3 + x^2 - 1)}{(x - 1)\,(x + 1)}$$

Sequence: A307543
Score: 3.44457
Type of gen. func.: ogf

$$(x^{17} - x^{16} - x^{14} + x^{13} - x^{12} + x^9 - x^8 + x^7 + x^5 - x^4 - x^2 + x - 1) \Big/ (2\,x^{17} - x^{16} + x^{15} - x^{14} + 2\,x^{13} - x^{12} - x^{10} + x^9 - 2\,x^8 + x^7 + 2\,x^5 - x^4 + x^3 - x^2 + 2\,x - 1)$$

Sequence: A307554
Score: 4.43065
Type of gen. func.: ogf

$$-\frac{x^4\,(x^5 + 13\,x^4 - 23\,x^3 - 4\,x^2 + 13\,x + 2)}{(x - 1)^3}$$

Sequence: A307557
Score: 4.75639
Type of gen. func.: ogf

$$-4\,f(x)^2\,x^4 + 3\,f(x)^2\,x^3 + 2\,f(x)^2\,x^2 - 4\,f(x)\,x^3 - f(x)^2\,x + 3\,f(x)\,x^2 + 2\,f(x)\,x - x^2 - f(x) + x + 1$$

Sequence: A307559
Score: 10.8595
Type of gen. func.: ogf

$$\frac{2 x^{2} (x + 1) (x^{2} + 1)}{(x^{2} + x + 1)^{2} (x - 1)^{4}}$$

Sequence: A307621
Score: 14.0903
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^{3} + 2 x^{2} + 1)}{(x - 1)^{5}}$$

Sequence: A307642
Score: 5.21395
Type of gen. func.: egf]

$$\frac{(2 I \ln(x - 1) x + \ln(x - 1) I - 3 I x + 2 Pi x - I + Pi) I}{(x - 1)^{4}}$$

Sequence: A307651
Score: 3.06583
Type of gen. func.: ogf

$$- \frac{8 x^{20} - x^{19} - x^{18} - x^{17} - x^{16} - x^{15} - x^{14} - x^{13} - x^{12} - x^{11} + 3 x^{10} - 1}{(x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A307663
Score: 6.0446
Type of gen. func.: egf]

$$- \frac{2 \ln(x - 1) x - 2 \ln(2 x - 1) x - \ln(x - 1) + \ln(2 x - 1) - 1}{(x - 1)^{3} (2 x - 1)}$$

Sequence: A307677
Score: 11.9257
Type of gen. func.: ogf

$$\frac{x^3 + x^2 - 1}{(x + 1) (x^3 - x^2 + 2 x - 1)}$$

Sequence: A307677
Score: 7.57022
Type of gen. func.: ogf

$$(f(x) - 1) (f(x) x^4 + f(x) x^2 - x^3 + f(x) x - x^2 - f(x) + 1)$$

Sequence: A307678
Score: 13.131
Type of gen. func.: ogf

$$-f(x)^3 x - f(x) x + f(x) + x - 1$$

Sequence: A307681
Score: 28.6103
Type of gen. func.: ogf

$$\frac{3 x^2 - 7 x + 3}{(x - 1)^3}$$

Sequence: A307681
Score: 9.94087
Type of gen. func.: ogf

$$-(63 f(x) - 379) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 3 x^2 - f(x) + 7 x - 3)$$

Sequence: A307684
Score: 6.27831
Type of gen. func.: ogf

$$x^2 (6 x^8 + 14 x^7 + 18 x^6 + 21 x^5 + 23 x^4 + 15 x^3 + 7 x^2 + 3 x + 1)$$
$$\text{---}$$

$$(x + 1)^3 (x^2 + x + 1)^4 (x - 1)^6$$

Sequence: A307686
Score: 6.4262
Type of gen. func.: ogf

$$\frac{x^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x^2 + 1)^2 (x^2 + x + 1)^2 (x + 1)^3 (x - 1)^4}$$

Sequence: A307688
Score: 12.3405
Type of gen. func.: ogf

$$\frac{x^2 (x - 2)}{(2 x^2 - x + 1) (x^2 + x - 1)}$$

Sequence: A307688
Score: 5.85497
Type of gen. func.: ogf

$$-(385 f(x) - 201)$$

$$(2 f(x) x^4 + f(x) x^3 - 2 f(x) x^2 - x^3 + 2 f(x) x + 2 x^2 - f(x))$$

Sequence: A307695
Score: 11.5681
Type of gen. func.: ogf

$$64 f(x)^2 x^2 - 20 f(x)^2 x + f(x)^2 - 1$$

Sequence: A307695
Score: 13.9246
Type of gen. func.: lgdogf

$$- \frac{2 (32 x - 5)}{(16 x - 1) (4 x - 1)}$$

Sequence: A307696
Score: 13.0265
Type of gen. func.: revogf

$$x^2 - x - 3 + 3 (-x^2 + x + 1)^{1/2}$$

Sequence: A307702
Score: 11.7793
Type of gen. func.: ogf

$$\frac{(2 x + 1) (x^2 - 3 x + 1)}{(4 x - 1) (x - 1)}$$

Sequence: A307702
Score: 6.96048
Type of gen. func.: ogf

$$-(828 f(x) + 8245) (4 f(x) x^2 - 2 x^3 - 5 f(x) x + 5 x^2 + f(x) + x - 1)$$

Sequence: A307717
Score: 5.21862
Type of gen. func.: ogf

$$\frac{2 x^{16} - x^{14} - 5 x^{12} + 5 x^{10} + 12 x^8 - 5 x^6 - 11 x^4 + 2 x^2 + 4}{(x - 1)^4 (x + 1)^4 (x^2 + 1)^4}$$

Sequence: A307733
Score: 8.66315
Type of gen. func.: ogf

$$-f(x)^2 x - f(x) x^2 - f(x) x + f(x) + x - 1$$

Sequence: A307733

Score: 8.77144
Type of gen. func.: revogf

$$\frac{-x - 1 + (-4\,x^3 + 9\,x^2 - 2\,x + 1)^{1/2}}{2\,(x - 1)}$$

Sequence: A307753
Score: 2.07395
Type of gen. func.: lgdogf

$$\frac{(x + 1)\,(4\,x^2 - x + 1)}{x^4 + x^3 + x + 3}$$

Sequence: A307753
Score: 3.47267
Type of gen. func.: ogf

$$x^4 + x^3 + x + 3 - f(x)$$

Sequence: A307757
Score: 6.71667
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^4 + x^3 + x^2 + x + 1}{(x - 1)\,(x + 1)\,(x^2 + 1)\,(x^2 + x + 1)}$$

Sequence: A307764
Score: 13.8025
Type of gen. func.: ogf

$$-\frac{100\,(96\,x^2 + 36\,x + 25)}{10\,x^3 - 1}$$

Sequence: A307764

Score: 7.5162
Type of gen. func.: ogf

$$-(46511 f(x) - 110471420) (10 f(x) x^3 + 9600 x^2 - f(x) + 3600 x + 2500)$$

Sequence: A307768
Score: 9.12854
Type of gen. func.: ogf

$$4 f(x)^2 x^2 - 4 f(x)^2 x + f(x)^2 + 4 f(x) x + 4 x^2 - 2 f(x)$$

Sequence: A307788
Score: 7.54179
Type of gen. func.: revogf

$$-\frac{-x^2 + (x^4 + 4 x^3 - 2 x^2 + 1)^{1/2} - 2 x - 1}{2 (2 x + 1)}$$

Sequence: A307788
Score: 8.56598
Type of gen. func.: ogf

$$f(x)^2 x^2 - 2 f(x) x^2 + 2 f(x) x - f(x) - x + 1$$

Sequence: A307789
Score: 6.5879
Type of gen. func.: ogf

$$-3 f(x)^2 x + 3 f(x) x^2 - x^3 + f(x)^2 + 5 f(x) x - 3 x^2 - 2 f(x) - 2 x + 1$$

Sequence: A307789
Score: 7.86298
Type of gen. func.: ogf

$$-\frac{-3 x^2 + (-x^2 (x + 1) (3 x - 1))^{1/2} - 5 x + 2}{2 (3 x - 1)}$$

Sequence: A307791
Score: 2.10317
Type of gen. func.: ogf

$$-x^3 - x - 3 + f(x)$$

Sequence: A307802
Score: 3.12598
Type of gen. func.: ogf

$$3 - f(x)$$

Sequence: A307813
Score: 6.06543
Type of gen. func.: ogf

$$-\frac{8 x (x - 1) (4 x^2 + 1)}{(2 x + 1) (4 x - 1) (2 x - 1)^3}$$

Sequence: A307849
Score: 13.666
Type of gen. func.: ogf

$$-\frac{13 x^2 + 26 x + 1}{(x + 1) (x - 1)^5}$$

Sequence: A307872
Score: 14.2014
Type of gen. func.: ogf

$$\frac{x^2}{(x + 1) (x^2 + x + 1)^2 (x - 1)^4}$$

Sequence: A307897
Score: 6.21896
Type of gen. func.: ogf

$$\frac{x^8 + x^7 - x^5 - x^4 - x^3 + x + 1}{(x + 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A307918
Score: 11.1674
Type of gen. func.: ogf

$$- \frac{47 x^5 - 11 x^4 + 60 x^3 - 8 x^2 + 5 x + 3}{(x - 1)^7}$$

Sequence: A307921
Score: 15.0539
Type of gen. func.: ogf

$$- \frac{x^3 - 12 x^2 - x - 12}{(x - 1)^4}$$

Sequence: A307921
Score: 5.3764
Type of gen. func.: ogf

$(81029376 f(x) + 816243985)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + x^3 - 4 f(x) x - 12 x^2 + f(x) - x - 12)$$

Sequence: A307933
Score: 6.45935
Type of gen. func.: ogf

$$- \frac{2 (14 x^8 + 15 x^7 - 41 x^6 - 73 x^5 + 61 x^4 + 84 x^3 - 60 x^2 - 96 x + 60)}{(x^3 + 2 x^2 + x - 1)^2 (x - 1)^3}$$

Sequence: A307939
Score: 13.1862
Type of gen. func.: ogf

$$-\frac{2\,(3\,x^4+2\,x^3-23\,x^2+12\,x-18)}{(x-1)^4}$$

Sequence: A307939
Score: 5.34127
Type of gen. func.: ogf

$$(86292\,f(x)+6901663)\,(f(x)\,x^4-4\,f(x)\,x^3+6\,x^4+6\,f(x)\,x^2+4\,x^3-4\,f(x)\,x-46\,x^2+f(x)+24\,x-36)$$

Sequence: A307966
Score: 6.53717
Type of gen. func.: ogf

$$\frac{x^2\,(3\,x^6+3\,x^5+4\,x^4+2\,x^3+2\,x^2+x+1)}{(x^2+1)^2\,(x^2+x+1)^2\,(x+1)^3\,(x-1)^4}$$

Sequence: A307969
Score: 13.6048
Type of gen. func.: ogf

$$2\,f(x)^2\,x^2+2\,f(x)\,x+f(x)-1$$

Sequence: A307969
Score: 20.0671
Type of gen. func.: revogf

$$-\frac{x}{2\,x^2+2\,x-1}$$

Sequence: A307970
Score: 16.3958
Type of gen. func.: ogf

$$x^2 + x + 1 - f(x) + f(x)^2 x^3$$

Sequence: A307971
Score: 14.665
Type of gen. func.: ogf

$$-x^3 - x^2 - x - 1 + f(x) - f(x)^2 x^4$$

Sequence: A307978
Score: 12.4888
Type of gen. func.: lgdegf]

$$1/4 \exp(x) + 1/4 \exp(-x) - 1/2 \cos(x)$$

Sequence: A307985
Score: 7.00128
Type of gen. func.: ogf

$$\frac{x^2}{(x + 1) (x^2 - x + 1) (x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A307996
Score: 23.1292
Type of gen. func.: lgdegf]

$$\exp(x) (2 x + 1)$$

Sequence: A308003
Score: 5.65418
Type of gen. func.: ogf

21   20   11   10

$$-\frac{11\,(10\,x + 10\,x + 2\,x + 11\,x + x + 10)}{(x + 1)\,(x - 1)\,(x^{2} + 1)\,(x^{8} - x^{6} + x^{4} - x^{2} + 1)}$$

Sequence: A308005
Score: 7.05328
Type of gen. func.: ogf

$$-\frac{11\,(x^{21} + x^{20} + 20\,x^{11} + 11\,x^{10} + 10\,x + 1)}{(x - 1)\,(x + 1)\,(x^{2} + 1)\,(x^{8} - x^{6} + x^{4} - x^{2} + 1)}$$

Sequence: A308010
Score: 8.87826
Type of gen. func.: ogf

$$\frac{x^{27} - x^{26} + x^{25} - x^{24} + x^{14} - x^{13} - x^{2} + 3\,x + 1}{(x - 1)^{2}}$$

Sequence: A308012
Score: 8.872
Type of gen. func.: ogf

$$\frac{x^{29} - x^{28} + x^{27} - x^{26} + x^{16} - x^{15} + 2\,x^{3} + 1}{(x - 1)^{2}}$$

Sequence: A308014
Score: 11.1801
Type of gen. func.: ogf

$$-\frac{2\,x^{25} - 2\,x^{23} + 2\,x^{14} - 2\,x^{13} - 2\,x - 1}{(x - 1)^{2}}$$

Sequence: A308016
Score: 3.11457

Type of gen. func.: ogf

$$(x^{45} + x^{44} + x^{41} + x^{40} - x^{39} - x^{38} - x^{37} - x^{34} - x^{33} - x^{32} - x^{8} - x^{7} + x^{2} + x + 1) \Big/ ((x - 1) (x^{2} + x + 1) (x^{37} + x^{32} - 1))$$

Sequence: A308017
Score: 3.72628
Type of gen. func.: ogf

$$(x^{32} - x^{30} + 2 x^{28} + x^{27} + x^{26} + x^{23} + x^{22} - x^{6} - x - 1) \Big/ ((x + 1) (x^{4} - x^{2} + 1) (x^{22} + x^{20} + x^{18} - x^{14} - x^{12} + x^{8} + x^{6} - x^{2} - 1) (x - 1)^{2})$$

Sequence: A308019
Score: 10.6878
Type of gen. func.: ogf

$$- \frac{2 x^{29} - 2 x^{27} + 2 x^{18} - 2 x^{17} - 2 x^{7} - 1}{(x - 1)^{2}}$$

Sequence: A308025
Score: 12.1384
Type of gen. func.: ogf

$$\frac{x^{2} (2 x^{3} + 9 x^{2} + 10 x + 9)}{(x + 1)^{3} (x - 1)^{4}}$$

Sequence: A308026
Score: 11.5922
Type of gen. func.: ogf

$$\frac{2 x^{2} (x^{3} + 6 x^{2} + 7 x + 8)}{(x + 1)^{3} (x - 1)^{4}}$$

Sequence: A308034
Score: 5.94126
Type of gen. func.: ogf

$$\frac{x^4 (3 x^5 - 6 x^4 + 6 x^3 - 6 x^2 + 3 x - 2)}{(x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^3}$$

Sequence: A308036
Score: 11.8604
Type of gen. func.: ogf

$$3 f(x)^2 x^2 - f(x) x + f(x) - 1$$

Sequence: A308036
Score: 17.4941
Type of gen. func.: revogf

$$-\frac{x}{3 x^2 - x - 1}$$

Sequence: A308038
Score: 10.582
Type of gen. func.: ogf

$$-\frac{x^2 (x^4 + 3 x^3 + 9 x^2 + 5 x + 4)}{(x + 1)^4 (x - 1)^5}$$

Sequence: A308066
Score: 5.33614
Type of gen. func.: ogf

$$-\frac{x^5}{(x^4 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1)^2 (x - 1)^3 (x + 1)^3}$$

Sequence: A308067
Score: 5.88444
Type of gen. func.: ogf

$$-\frac{x^2 (x^4 - x^3 + x^2 - x + 1)}{(x^2 + x + 1) (x^2 - x + 1) (x + 1)^2 (x^2 + 1)^2 (x - 1)^3}$$

Sequence: A308068
Score: 8.06835
Type of gen. func.: ogf

$$-\frac{x^4}{(x^2 + x + 1) (x^2 - x + 1) (x + 1)^2 (x^2 + 1)^2 (x - 1)^3}$$

Sequence: A308089
Score: 6.41682
Type of gen. func.: ogf

$$\frac{x^2 (6 x^6 + 6 x^5 + 8 x^4 + 5 x^3 + 5 x^2 + 3 x + 3)}{(x^2 + 1)^2 (x^2 + x + 1)^2 (x + 1)^3 (x - 1)^4}$$

Sequence: A308096
Score: 6.40836
Type of gen. func.: ogf

$$\frac{x^2 (2 x^6 + 2 x^5 + 3 x^4 + 2 x^3 + 2 x^2 + x + 1)}{(x^2 + 1)^2 (x^2 + x + 1)^2 (x + 1)^3 (x - 1)^4}$$

Sequence: A308102
Score: 6.88364
Type of gen. func.: ogf

$$x^8 (x^2 + 2 x + 3) (2 x^2 + x + 3)$$

$$\overline{(x^2 + 1)^2 (x^2 + x + 1)^2 (x + 1)^3 (x - 1)^4}$$

Sequence: A308107
Score: 7.73333
Type of gen. func.: ogf

$$\frac{x^8 (x^3 + 2 x^2 + 2 x + 2)}{(x^2 + 1)^2 (x^2 + x + 1)^2 (x + 1)^3 (x - 1)^4}$$

Sequence: A308108
Score: 8.55749
Type of gen. func.: ogf

$$\frac{x^8 (x^2 + x + 2)^2}{(x^2 + 1)^2 (x^2 + x + 1)^2 (x + 1)^3 (x - 1)^4}$$

Sequence: A308109
Score: 7.25727
Type of gen. func.: ogf

$$\frac{x^8 (x^4 + 2 x^3 + 4 x^2 + 3 x + 3)}{(x^2 + 1)^2 (x^2 + x + 1)^2 (x + 1)^3 (x - 1)^4}$$

Sequence: A308123
Score: 8.73821
Type of gen. func.: ogf

$$- \frac{x^2 (2 x^4 + x^3 + 5 x^2 - 3 x + 3)}{(x + 1)^2 (x^2 + 1)^2 (x - 1)^3}$$

Sequence: A308124
Score: 16.49
Type of gen. func.: ogf

$$-\frac{5x-3}{(4x-1)(x-1)}$$

Sequence: A308124
Score: 8.87921
Type of gen. func.: ogf

$$-(13 f(x) + 11) (4 f(x) x^2 - 5 f(x) x + f(x) + 5 x - 3)$$

Sequence: A308134
Score: 4.28943
Type of gen. func.: ogf

$$-(4805 f(x) + 4636386) (192 f(x) x^4 - 316 f(x) x^3 + 147 f(x) x^2 + 180 x^3 - 24 f(x) x - 201 x^2 + f(x) + 54 x - 3)$$

Sequence: A308134
Score: 7.47191
Type of gen. func.: ogf

$$-\frac{3 (60 x^3 - 67 x^2 + 18 x - 1)}{(x - 1) (4 x - 1) (3 x - 1) (16 x - 1)}$$

Sequence: A308136
Score: 15.9363
Type of gen. func.: ogf

$$-\frac{24 (4 x^2 - 6 x + 3)}{(2 x - 1)^3}$$

Sequence: A308136
Score: 6.10893
Type of gen. func.: ogf

$(45 f(x) - 2248)$

$$(8 f(x) x^3 - 12 f(x) x^2 + 6 f(x) x + 96 x^2 - f(x) - 144 x + 72)$$

Sequence: A308137
Score: 9.77023
Type of gen. func.: ogf

$$- \frac{2 (6 x^5 - 11 x^4 - 8 x^3 + 22 x^2 - 6 x - 15)}{(x + 1)^2 (x - 1)^4}$$

Sequence: A308158
Score: 6.90522
Type of gen. func.: ogf

$$- \frac{x^2 (x^5 + x^4 + x^3 + x^2 + 1)}{(x^2 + x + 1) (x + 1)^2 (x^2 + 1)^2 (x - 1)^3}$$

Sequence: A308159
Score: 6.48544
Type of gen. func.: ogf

$$- \frac{x^2 (x^6 + x^5 + 4 x^4 + x^3 + 2 x^2 + 1)}{(x^2 + x + 1) (x + 1)^2 (x^2 + 1)^2 (x - 1)^3}$$

Sequence: A308160
Score: 9.48925
Type of gen. func.: ogf

$$- \frac{x^2 (x^4 + 2 x^2 - x + 1)}{(x + 1)^2 (x^2 + 1)^2 (x - 1)^3}$$

Sequence: A308189
Score: 10.2106

Type of gen. func.: ogf

$$-\frac{x (x^6 + x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 1)}{x^6 + x^4 + x^2 - 1}$$

Sequence: A308196
Score: 17.3044
Type of gen. func.: ogf

$$-\frac{2 x^3 - 4 x^2 - 3 x - 1}{(x - 1)^2}$$

Sequence: A308196
Score: 8.6522
Type of gen. func.: ogf

$$(132 f(x) - 9049) (f(x) x^2 + 2 x^3 - 2 f(x) x - 4 x^2 + f(x) - 3 x - 1)$$

Sequence: A308215
Score: 8.6367
Type of gen. func.: ogf

$$-\frac{x (x^5 + x^4 + 3 x^3 + 5 x^2 + 12 x + 2)}{(x + 1)^3 (x - 1)^3}$$

Sequence: A308217
Score: 11.4582
Type of gen. func.: ogf

$$-\frac{x^5 - x^3 - x^2 + 8 x + 1}{(x - 1)^3 (x + 1)^3}$$

Sequence: A308235

Score: 4.61567
Type of gen. func.: ogf

$$- 2 x^{8} (x^{10} + 5 x^{9} + 17 x^{8} + 31 x^{7} + 56 x^{6} + 71 x^{5} + 94 x^{4} + 97 x^{3} + 90 x^{2} + 52 x + 26) \Big/ ((x^{2} + 1)^{3} (x^{2} + x + 1)^{3} (x + 1)^{4} (x - 1)^{5})$$

Sequence: A308236
Score: 4.26506
Type of gen. func.: ogf

$$- 2 x^{2} (11 x^{12} + 22 x^{11} + 41 x^{10} + 53 x^{9} + 73 x^{8} + 81 x^{7} + 92 x^{6} + 69 x^{5} + 50 x^{4} + 25 x^{3} + 14 x^{2} + 6 x + 3) \Big/ ((x^{2} + 1)^{3} (x^{2} + x + 1)^{3} (x + 1)^{4} (x - 1)^{5})$$

Sequence: A308265
Score: 8.66534
Type of gen. func.: ogf

$$\frac{x^{2} (2 x^{4} + 3 x^{3} + 3 x^{2} + 2 x + 1)}{(x + 1)^{2} (x^{2} + x + 1)^{2} (x - 1)^{4}}$$

Sequence: A308266
Score: 8.87979
Type of gen. func.: ogf

$$\frac{x^{2} (x^{4} + x^{3} + x^{2} + x + 1)}{(x + 1)^{2} (x^{2} + x + 1)^{2} (x - 1)^{4}}$$

Sequence: A308287
Score: 16.1601
Type of gen. func.: ogf

$$- \frac{158248424769785107 x - 185786062728816307}{}$$

```
                                           2
                                    (x - 1)



------------------------------------------------------------------------------

Sequence:  A308287
Score: 6.78914
Type of gen. func.: ogf


(55075275918062400 f(x) + 352747826086383437632889199225582249)

           2
    (f(x) x  - 2 f(x) x + f(x) + 158248424769785107 x - 185786062728816307)



------------------------------------------------------------------------------

Sequence:  A308303
Score: 4.84071
Type of gen. func.: ogf


                        4   7    5    4    3    2
                       x  (x  + x  + x  + x  + x  + x + 1)
        - --------------------------------------------------------------
             4        2            2            2     2        3        3
          (x  + 1) (x  + x + 1) (x  - x + 1) (x  + 1)  (x + 1)  (x - 1)



------------------------------------------------------------------------------

Sequence:  A308305
Score: 13.1832
Type of gen. func.: ogf


                             4      3      2
                            x  - 2 x  + 6 x  - 3 x + 1
                          - --------------------------
                                            5
                                     (x - 1)



------------------------------------------------------------------------------

Sequence:  A308329
Score: 6.10904
Type of gen. func.: ogf


        4            3    4            2      3                  2
4 f(x) x  - 17 f(x) x  - x  + 20 f(x) x  + 8 x  - 8 f(x) x - 14 x  + f(x) + 7 x

     - 1



------------------------------------------------------------------------------

Sequence:  A308329
Score: 8.55266
Type of gen. func.: ogf


                           4      3       2
```

$$\frac{x - 8 x + 14 x - 7 x + 1}{(x - 1) (4 x - 1) (x^{2} - 3 x + 1)}$$

Sequence: A308346
Score: 11.0765
Type of gen. func.: lgdegf]

$$\frac{2 I (Pi + \ln(x - 1) I)}{x - 1}$$

Sequence: A308385
Score: 10.9858
Type of gen. func.: ogf

$$- \frac{9 x^{4} + 10 x^{3} + 10 x^{2} + 2 x + 1}{(x + 1)^{2} (x - 1)^{3}}$$

Sequence: A308399
Score: 8.99202
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{2} (x^{5} + x^{2} + 1)}{(x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1)}$$

Sequence: A308400
Score: 6.05982
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{4} (x^{5} - x^{4} + x^{2} - x + 1)}{(x - 1) (x + 1) (x^{2} + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1)}$$

Sequence: A308401
Score: 8.96996
Type of gen. func.: ogf

$$\frac{x^4+x^3+x^2+3}{(x^2-x+1)\,(x^2+x+1)^2\,(x+1)^3\,(x-1)^6}$$

Sequence: A308417
Score: 9.45404
Type of gen. func.: lgdegf]

$$-\frac{x^4+2\,x^3+6\,x^2+2\,x+1}{(x-1)^3\,(x+1)^3}$$

Sequence: A308418
Score: 7.83499
Type of gen. func.: lgdegf]

$$\frac{x^6+6\,x^5+23\,x^4+24\,x^3+23\,x^2+6\,x+1}{(x-1)^4\,(x+1)^4}$$

Sequence: A308422
Score: 12.1283
Type of gen. func.: ogf

$$-\frac{x\,(x^4+3\,x^3+6\,x^2+3\,x+1)}{(x-1)^3\,(x+1)^3}$$

Sequence: A308435
Score: 5.19113
Type of gen. func.: ogf

$$-(10\,f(x)-23)\,(f(x)^2\,x^4+2\,f(x)^2\,x^3-f(x)^2\,x^2+f(x)\,x^3+3\,f(x)\,x^2$$
$$+f(x)\,x-f(x)+x+1)$$

Sequence: A308436

Score: 8.02202
Type of gen. func.: ogf

$$-\frac{1}{(4x-1)(2x-1)(8x-1)(16x-1)(32x-1)}$$

Sequence: A308446
Score: 27.0545
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{1}{x^2-3x+1}$$

Sequence: A308468
Score: 2.58941
Type of gen. func.: ogf

$$(x^{18}-x^{17}+x^{16}-x^{14}+x^{13}-x^{12}+x^{11}-x^{7}+x^{6}-x^{5}-x^{3}+2x^{2}-x+3) \Big/ ((x^2+1)(x-1)^2)$$

Sequence: A308499
Score: 6.67658
Type of gen. func.: egf]

$$-I\,(\ln(2x^3-6x^2+6x-3)\,I-3\,I\ln(x-1)-\ln(3)\,I-2\,Pi)$$

Sequence: A308517
Score: 11.6659
Type of gen. func.: lgdegf]

$$-\frac{\exp\left(-\frac{1}{x-1}\right)}{\exp(1)\,(x-1)^2}$$

Sequence: A308523

Score: 5.92448
Type of gen. func.: revogf

$$\frac{\left(13824\,x^{3}+1728\,x^{2}+54\,x+1+\left((12\,x+1)\,(1+48\,x)^{2}\right)^{1/2}\right)x}{2\,(16\,x+1)^{4}}$$

Sequence: A308524
Score: 4.84498
Type of gen. func.: ogf

$$-64\,f(x)^{2}\,x^{4}-144\,f(x)^{2}\,x^{3}-12\,f(x)^{2}\,x^{2}-32\,f(x)\,x^{3}+37\,f(x)^{2}\,x+4\,f(x)\,x^{2}-x^{3}-6\,f(x)^{2}+f(x)\,x$$

Sequence: A308524
Score: 7.24525
Type of gen. func.: ogf

$$\frac{\left(-8\,x-1+\left(-(4\,x-1)\,(2\,x-1)^{2}\right)^{1/2}\right)x}{2\,(x+2)\,(4\,x+3)\,(4\,x-1)}$$

Sequence: A308525
Score: 6.96076
Type of gen. func.: ogf

$$-\left(53\,x^{31}-53\,x^{30}+29\,x^{16}-29\,x^{15}+16\,x^{8}-16\,x^{7}+9\,x^{4}-9\,x^{3}+5\,x^{2}+x-7\right)\Big/\,(x-1)^{2}$$

Sequence: A308536
Score: 26.2189
Type of gen. func.: lgdegf]

$$-2\exp(2\,x)$$

Sequence: A308543

Score: 24.2868
Type of gen. func.: lgdegf]

$$4 \exp(2 x)$$

Sequence: A308579
Score: 14.9746
Type of gen. func.: ogf

$$\frac{x^2 - 3 x - 1}{(2 x - 1) (x - 1)^2}$$

Sequence: A308579
Score: 6.90133
Type of gen. func.: ogf

$$(157 f(x) - 355) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x - x^2 - f(x) + 3 x + 1)$$

Sequence: A308580
Score: 12.8231
Type of gen. func.: ogf

$$- \frac{7 x^3 - 11 x^2 + 9 x - 3}{(2 x - 1) (x - 1)^3}$$

Sequence: A308580
Score: 5.83673
Type of gen. func.: ogf

$$-(13 f(x) + 233) (2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 + 7 x^3 - 5 f(x) x - 11 x^2 + f(x) + 9 x - 3)$$

Sequence: A308585
Score: 15.3669
Type of gen. func.: ogf

$$-\frac{2 x (2 x + 3)}{(2 x - 1) (x - 1)^{2}}$$

Sequence: A308585
Score: 7.08216
Type of gen. func.: ogf

$$(14705 f(x) - 37084) (2 f(x) x^{3} - 5 f(x) x^{2} + 4 f(x) x + 4 x^{2} - f(x) + 6 x)$$

Sequence: A308589
Score: 14.3384
Type of gen. func.: ogf

$$-\frac{x (x + 3)}{x^{3} + x^{2} + 2 x - 1}$$

Sequence: A308589
Score: 7.93484
Type of gen. func.: ogf

$$-f(x) (f(x) x^{3} + f(x) x^{2} + 2 f(x) x + x^{2} - f(x) + 3 x)$$

Sequence: A308591
Score: 9.1693
Type of gen. func.: ogf

$$\frac{x (x^{5} - x^{3} - x^{2} - 5 x - 3)}{(x^{3} - x^{2} + 2 x - 1) (x + 1)^{2}}$$

Sequence: A308592
Score: 12.2108
Type of gen. func.: ogf

$$-\frac{5 x^{2} + 2 x + 1}{{}^{3} \qquad {}^{2}}$$

$$2 x + 3 x + 2 x - 1$$

Sequence: A308592
Score: 6.71044
Type of gen. func.: ogf

$$(f(x) + 1) (2 f(x) x^3 + 3 f(x) x^2 + 2 f(x) x + 5 x^2 - f(x) + 2 x + 1)$$

Sequence: A308599
Score: 6.04033
Type of gen. func.: egf]

$$\frac{\exp(x) x^4 - 4 \exp(x) x^3 + 6 \exp(x) x^2 - 4 \exp(x) x + \exp(x) + 3 x + 1}{(x - 1)^4}$$

Sequence: A308600
Score: 17.0505
Type of gen. func.: ogf

$$- \frac{8 x^4 + x^2 - x + 2}{(x - 1)^3}$$

Sequence: A308600
Score: 7.00525
Type of gen. func.: ogf

$$-(1025 f(x) - 7809) (f(x) x^3 + 8 x^4 - 3 f(x) x^2 + 3 f(x) x + x^2 - f(x) - x + 2)$$

Sequence: A308602
Score: 21.3016
Type of gen. func.: ogf

$$\frac{x^2 - 7 x + 8}{(x - 1)^2}$$

Sequence: A308602
Score: 9.29112
Type of gen. func.: ogf

$$(4 f(x) + 49) (f(x) x^2 - 2 f(x) x - x^2 + f(x) + 7 x - 8)$$

Sequence: A308603
Score: 15.5708
Type of gen. func.: ogf

$$\frac{3 (x^2 - 7 x + 8)}{(x - 1)^2}$$

Sequence: A308603
Score: 9.59846
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x + 3 x^2 - f(x) - 21 x + 24$$

Sequence: A308604
Score: 13.0088
Type of gen. func.: ogf

$$\frac{8 x^6 - 12 x^5 - 8 x^4 - x^2 + x - 2}{(x - 1)^3}$$

Sequence: A308606
Score: 5.70319
Type of gen. func.: egf]

$$1/2 (2 \exp(x) x^4 - 8 \exp(x) x^3 + 12 \exp(x) x^2 - 8 \exp(x) x + 3 x^2 + 2 \exp(x) - 2 x + 2) / (x - 1)^4$$

Sequence: A308607
Score: 18.7777
Type of gen. func.: ogf

$$\frac{2 (x^2 - 7 x + 8)}{(x - 1)^2}$$

Sequence: A308607
Score: 8.80206
Type of gen. func.: ogf

$$(2 f(x) + 49) (f(x) x^2 - 2 f(x) x - 2 x^2 + f(x) + 14 x - 16)$$

Sequence: A308616
Score: 16.3775
Type of gen. func.: ogf

$$f(x)^2 x^4 + f(x) x^3 - f(x) + 1$$

Sequence: A308620
Score: 5.98687
Type of gen. func.: ogf

$$\frac{x^{10} - x^8 + x^6 - 4 x^5 + 3 x^3 - 2 x^2 - 2 x + 2}{(x^5 + x^2 - 1) (x^5 - x^2 + 2 x - 1)}$$

Sequence: A308625
Score: 5.99906
Type of gen. func.: ogf

$$\frac{x^2 (2 x^{12} - x^{10} - 2 x^9 + 3 x^8 - x^7 - x^6 - x^5 + 2 x^4 - x^3 - x^2 + x - 1)}{x - 1}$$

Sequence: A308626
Score: 6.23658
Type of gen. func.: ogf

$$-x^{2} (x^{13} - 4 x^{12} + 2 x^{11} + 2 x^{10} - 3 x^{9} + 2 x^{8} - x^{7} + 2 x^{5} - 2 x^{4} + x^{3} + x^{2} - x + 1)/(x - 1)$$

Sequence: A308628
Score: 5.54283
Type of gen. func.: ogf

$$x^{2} (2 x^{13} - x^{11} - 2 x^{10} + 3 x^{9} - x^{8} - 2 x^{7} + 4 x^{6} - 3 x^{5} - x^{4} + 2 x^{3} - 2 x^{2} + x - 1)/(x - 1)$$

Sequence: A308645
Score: 23.6368
Type of gen. func.: lgdegf]

$$1 - 2 \exp(2 x)$$

Sequence: A308659
Score: 3.42193
Type of gen. func.: ogf

$$-(4 x^{12} + 2 x^{11} + x^{10} + x^{9} + 2 x^{8} + 3 x^{7} + 3 x^{6} + x^{5} + 3 x^{4} + x^{3} + 2 x^{2} + x + 1) \Big/ ((x - 1) (x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1))$$

Sequence: A308700
Score: 14.7536
Type of gen. func.: ogf

$$-\frac{2 x^{2} (3 x - 1)}{(4 x - 1)^{2} (2 x - 1)^{2}}$$

Sequence: A308700
Score: 7.04453
Type of gen. func.: ogf

$$64 f(x) x^4 - 96 f(x) x^3 + 52 f(x) x^2 + 6 x^3 - 12 f(x) x - 2 x^2 + f(x)$$

Sequence: A308709
Score: 10.3938
Type of gen. func.: ogf

$$- \frac{6 x^3 + 2 x^2 + x + 3}{(2 x^2 - 1) (2 x^2 + 1)}$$

Sequence: A308709
Score: 8.82264
Type of gen. func.: ogf

$$(40 f(x) - 109) (4 f(x) x^4 + 6 x^3 + 2 x^2 - f(x) + x + 3)$$

Sequence: A308729
Score: 7.00447
Type of gen. func.: egf]

$$1/2 \frac{(\mathrm{Pi}\ I - \ln(x - 1)) (\mathrm{Pi}\ I - \ln(x - 1) + 4)}{(x - 1)^2}$$

Sequence: A308733
Score: 10.773
Type of gen. func.: ogf

$$- \frac{x^4}{(x^2 + x + 1) (x^2 + 1)^2 (x + 1)^3 (x - 1)^5}$$

Sequence: A308747

Score: 8.70021
Type of gen. func.: ogf

$$\frac{x^4 + x^3 - 2 x^2 + x + 1}{(x^2 + x - 1) (x^2 - x - 1) (x - 1)^2}$$

Sequence: A308758
Score: 6.34016
Type of gen. func.: ogf

$$- \frac{x^4 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x^2 + 1)^2 (x^2 + x + 1)^2 (x + 1)^3 (x - 1)^5}$$

Sequence: A308759
Score: 6.30921
Type of gen. func.: ogf

$$- \frac{x^4 (2 x^6 + 2 x^5 + 3 x^4 + 2 x^3 + 2 x^2 + x + 1)}{(x^2 + 1)^2 (x^2 + x + 1)^2 (x + 1)^3 (x - 1)^5}$$

Sequence: A308760
Score: 6.27518
Type of gen. func.: ogf

$$- \frac{x^4 (3 x^6 + 4 x^5 + 6 x^4 + 5 x^3 + 4 x^2 + 2 x + 1)}{(x^2 + 1)^2 (x^2 + x + 1)^2 (x + 1)^3 (x - 1)^5}$$

Sequence: A308775
Score: 6.24909
Type of gen. func.: ogf

$$- \frac{x^4 (6 x^6 + 7 x^5 + 10 x^4 + 8 x^3 + 8 x^2 + 5 x + 4)}{(x^2 + 1)^2 (x^2 + x + 1)^2 (x + 1)^3 (x - 1)^5}$$

Sequence: A308807
Score: 12.3257
Type of gen. func.: ogf

$$-\frac{4 x^{2} - 13 x + 5}{(5 x - 1) (x - 1)^{2}}$$

Sequence: A308807
Score: 5.71914
Type of gen. func.: ogf

$$(1331216 f(x) + 1778631)$$

$$(5 f(x) x^{3} - 11 f(x) x^{2} + 7 f(x) x + 4 x^{2} - f(x) - 13 x + 5)$$

Sequence: A308808
Score: 10.5398
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^{2} + 1)}{x^{5} + 2 x^{4} + x^{3} + x^{2} + x - 1}$$

Sequence: A308808
Score: 6.09442
Type of gen. func.: ogf

$$f(x)^{2}$$

$$(f(x) x^{5} + 2 f(x) x^{4} + f(x) x^{3} + f(x) x^{2} + x^{3} + f(x) x + x^{2} - f(x) + x + 1)$$

Sequence: A308823
Score: 7.46562
Type of gen. func.: ogf

```
                                              5
                                             x
        ---------------------------------------------------------------
         2        2                 2   4    3    2         2        6
```

$(x + 1) (x + x + 1) (x + 1) (x + x + x + x + 1) (x - 1)$

Sequence: A308824
Score: 7.09825
Type of gen. func.: ogf

$$\frac{x^{5} (x^{6} + x^{3} + 1)}{(x^{2} + 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2} (x + 1)^{3} (x - 1)^{6}}$$

Sequence: A308825
Score: 4.17503
Type of gen. func.: ogf

$$x^{5} (2 x^{10} + 4 x^{9} + 6 x^{8} + 7 x^{7} + 7 x^{6} + 6 x^{5} + 5 x^{4} + 4 x^{3} + 3 x^{2} + 2 x + 1) / ((x^{2} + x + 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2} (x^{2} + 1)^{2} (x + 1)^{3} (x - 1)^{6})$$

Sequence: A308876
Score: 12.1434
Type of gen. func.: lgdegf]

$$\frac{2 x^{2} - 3 x + 2}{(2 x - 1) (x - 1)}$$

Sequence: A308900
Score: 15.1528
Type of gen. func.: ogf

$$- \frac{7 x + 1}{(x + 1) (10 x^{2} - 1)}$$

Sequence: A308900
Score: 7.11524
Type of gen. func.: ogf

3 2

$$-(2076 f(x) - 2095) (10 f(x) x + 10 f(x) x - f(x) x - f(x) + 7 x + 1)$$

Sequence: A308914
Score: 14.3027
Type of gen. func.: ogf

$$\frac{(x - 1) (2 x^{2} - 3 x + 2)}{(2 x - 1)^{5}}$$

Sequence: A308939
Score: 12.7187
Type of gen. func.: egf]

$$- \frac{-4 x + 2 + (-2 x + 1)^{1/2}}{8 x - 3}$$

Sequence: A308939
Score: 9.41516
Type of gen. func.: egf]

$$-8 f(x)^{2} x + 3 f(x)^{2} + 8 f(x) x - 4 f(x) - 2 x + 1$$

Sequence: A309000
Score: 13.3182
Type of gen. func.: ogf

$$\frac{5 x - 3}{(3 x - 1) (2 x - 1)^{2} (x - 1)^{2}}$$

Sequence: A309037
Score: 3.43852
Type of gen. func.: ogf

$$-(5208770853 f(x) + 464928005)$$

$$(2000 f(x) x^{3} - 2120 f(x) x^{2} + 121 f(x) x - 200 x^{2} - f(x) + 2)$$

Sequence: A309037
Score: 6.08353
Type of gen. func.: ogf

$$\frac{2 (10 x - 1) (10 x + 1)}{(x - 1) (20 x - 1) (100 x - 1)}$$

Sequence: A309073
Score: 6.81664
Type of gen. func.: ogf

$$2 (137 x^{30} - 121 x^{29} + 337 x^{28} - 353 x^{27} + 3 x^{6} + x^{5} + 31 x^{4} - 35 x^{3} + 10 x - 13)/(x - 1)$$

Sequence: A309075
Score: 3.85383
Type of gen. func.: ogf

$$- \frac{2 x (x + 1) (x^{2} - x + 1) (x^{4} + 1) (x^{2} + 1)^{2}}{(x - 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x^{6} - x^{5} + x^{4} - x^{3} + x^{2} - x + 1)}$$

Sequence: A309083
Score: 5.0028
Type of gen. func.: ogf

$$\frac{(x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{8} - x^{7} + x^{5} - x^{4} + x^{3} - x + 1)}{(x + 1) (x^{2} + 1) (x^{4} + 1) (x^{8} + 1) (x - 1)^{2}}$$

Sequence: A309084
Score: 31.6307
Type of gen. func.: lgdegf]

$$-3 \exp(x)$$

Sequence: A309085
Score: 31.1158
Type of gen. func.: lgdegf]

$$-4 \exp(x)$$

Sequence: A309092
Score: 9.1893
Type of gen. func.: ogf

$$-\frac{4079 x^{16} - 4096 x^{15} - 4352}{(x^{16} + 16 x^{15} + 17) (x - 1)^{2}}$$

Sequence: A309117
Score: 5.25061
Type of gen. func.: ogf

$$-\frac{(x - 1) (x + 1) (x^{4} - x^{3} - 5 x^{2} - x + 1)}{(x^{4} - 3 x^{3} - 3 x^{2} + x + 1) (x^{4} + x^{3} - 3 x^{2} - 3 x + 1)}$$

Sequence: A309118
Score: 11.3538
Type of gen. func.: ogf

$$-\frac{6 (x^{5} - x^{4} - x^{3} - x - 1)}{(x - 1)^{2} (x + 1)^{2}}$$

Sequence: A309127
Score: 4.94882
Type of gen. func.: ogf

$$(17 x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) / ((x + 1) (x^{2} + 1) (x^{4} + 1) (x^{8} + 1) (x - 1)^{2})$$

Sequence: A309214
Score: 11.7492
Type of gen. func.: ogf

$$\frac{x (x^2 + 2 x - 1)}{(x - 1) (x^2 + 1)^2}$$

Sequence: A309215
Score: 11.5955
Type of gen. func.: ogf

$$-\frac{x (x^2 + 2 x - 1)}{(x - 1) (x^2 + 1)^2}$$

Sequence: A309240
Score: 8.37963
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^6 - 2 x^5 - x^4 + x^3 + x^2 - x - 1}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A309250
Score: 8.27091
Type of gen. func.: ogf

$$-\frac{x^{22} + x^7 + x^5 - x^3 - x^2 - x - 1}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A309266
Score: 14.7365
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^3 - x^2 + 3}{(x - 1) (x + 1)}$$

Sequence: A309267
Score: 15.6826
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{(x-2)\,(x^2-x+1)}{(x-1)^2}$$

Sequence: A309294
Score: 14.2543
Type of gen. func.: ogf

$$-\frac{x^2\,(4\,x^3-4\,x^2+1)}{(2\,x-1)^3}$$

Sequence: A309295
Score: 7.85095
Type of gen. func.: ogf

$$-\frac{x^2\,(8\,x^8-4\,x^5+8\,x^4-10\,x^3+3\,x^2+2\,x-1)}{(2\,x-1)^3\,(2\,x^3-1)^3}$$

Sequence: A309296
Score: 10.8248
Type of gen. func.: ogf

$$-\frac{x^3\,(8\,x^5-4\,x^4-2\,x^3+2\,x^2-2\,x+1)}{(2\,x-1)^3}$$

Sequence: A309300
Score: 7.31886
Type of gen. func.: ogf

4 9 8 7 6 5 4 3 2

$$-\frac{x\ (16 x - 8 x + 4 x - 6 x + 2 x + 4 x - 5 x + 4 x - 3 x + 1)}{(2 x - 1)^{3}}$$

Sequence: A309303
Score: 5.67617
Type of gen. func.: ogf

$$-f(x)^{2} x^{3} - 3 f(x)^{2} x^{2} - 3 f(x)^{2} x + f(x) x^{2} - f(x)^{2} + 2 f(x) x + f(x) - x$$

Sequence: A309303
Score: 8.89967
Type of gen. func.: ogf

$$-\frac{-x - 1 + (-(3 x - 1) (x + 1))^{1/2}}{2 (x + 1)^{2}}$$

Sequence: A309315
Score: 19.0591
Type of gen. func.: ogf

$$-\frac{60}{(3 x - 1) (x + 1)}$$

Sequence: A309315
Score: 8.42148
Type of gen. func.: ogf

$$(61 f(x) - 2700) (3 f(x) x^{2} + 2 f(x) x - f(x) + 60)$$

Sequence: A309330
Score: 11.9507
Type of gen. func.: ogf

$$\frac{6 (x + 1)}{x^{2} - 38 x + 1}$$

Sequence: A309330
Score: 6.10816
Type of gen. func.: ogf

$$(740 f(x) + 123) (f(x) x^2 - 38 f(x) x + f(x) - 6 x - 6)$$

Sequence: A309331
Score: 8.65832
Type of gen. func.: ogf

$$-\frac{x (x^2 + x + 1) (x^2 - x + 1)}{x^5 + 3 x^3 + x - 1}$$

Sequence: A309335
Score: 9.61233
Type of gen. func.: ogf

$$\frac{x (x^2 + x + 1) (x^4 + 6 x^3 + 16 x^2 + 6 x + 1)}{(x + 1)^4 (x - 1)^4}$$

Sequence: A309336
Score: 7.35791
Type of gen. func.: ogf

$$-\frac{x (x^8 + 15 x^7 + 76 x^6 + 165 x^5 + 230 x^4 + 165 x^3 + 76 x^2 + 15 x + 1)}{(x - 1)^5 (x + 1)^5}$$

Sequence: A309337
Score: 9.8213
Type of gen. func.: ogf

$$\frac{x (x^6 + 6 x^5 + 23 x^4 + 24 x^3 + 23 x^2 + 6 x + 1)}{(x - 1)^4 (x + 1)^4}$$

Sequence: A309338
Score: 7.35791
Type of gen. func.: ogf

$$-\frac{x\,(x^8+14\,x^7+76\,x^6+154\,x^5+230\,x^4+154\,x^3+76\,x^2+14\,x+1)}{(x-1)^5\,(x+1)^5}$$

Sequence: A309372
Score: 15.5848
Type of gen. func.: ogf

$$-\frac{x\,(3\,x+1)\,(x^2+4\,x+1)}{(x-1)^5}$$

Sequence: A309379
Score: 9.09623
Type of gen. func.: ogf

$$\frac{12\,(2\,x^4-4\,x^3-6\,x^2+9\,x-3)}{(x-1)\,(x+1)^2\,(2\,x-1)^2}$$

Sequence: A309380
Score: 8.34239
Type of gen. func.: ogf

$$\frac{60\,(6\,x^4-4\,x^3-17\,x^2+14\,x-3)}{(2\,x-1)\,(x+1)^2\,(3\,x-1)^2}$$

Sequence: A309398
Score: 12.5471
Type of gen. func.: ogf

39   14   5

$$-\frac{x + x + x + x + 1}{x - 1}$$

Sequence: A309462
Score: 11.8056
Type of gen. func.: ogf

$$-\frac{x^2 + x + 1}{x^4 + 2 x^3 + x^2 + x - 1}$$

Sequence: A309462
Score: 6.31465
Type of gen. func.: ogf

$$(3 f(x) - 1) (f(x) x^4 + 2 f(x) x^3 + f(x) x^2 + f(x) x + x^2 - f(x) + x + 1)$$

Sequence: A309490
Score: 7.16969
Type of gen. func.: egf]

$$1/2 \frac{\exp(x) (\exp(-x) x^2 - 2 \exp(-x) x - 2 x^2 - 2 \exp(-x) + 2 x + 2)}{(x - 1)^2}$$

Sequence: A309492
Score: 8.20658
Type of gen. func.: ogf

$$-\frac{3 x^8 - 6 x^7 + 7 x^6 - 4 x^5 + 2 x^4 - 2 x^3 - 3 x^2 - 1}{(x + 1) (x - 1)^2 (x^2 + 1)^2}$$

Sequence: A309496
Score: 4.73345
Type of gen. func.: ogf

21 20 18 17 16 13 11 10 9 8 7

$$-(2x - 2x - 2x + 2x + 3x + x - 2x - x - 3x + 2x - x + 3x^6 + x^4 - 5x^3 - 6x^2 - 3x - 1) / ((x+1)(x^2 - x + 1)(x-1)^2 (x^2 + x + 1)^2)$$

Sequence: A309511
Score: 6.07032
Type of gen. func.: ogf

$$-\frac{x^3 (x^5 + x^4 + 2x^2 - x + 3)}{(x^2+1)(x^2+x+1)(x^2-x+1)(x+1)^2 (x-1)^3}$$

Sequence: A309512
Score: 4.04978
Type of gen. func.: ogf

$$x^3 (x^{13} + 3x^{12} + x^{11} + 9x^{10} - x^9 + 19x^8 + 18x^6 + x^5 + 13x^4 - x^3 + 7x^2 - x + 3) / ((x^2+1)^2 (x^2+x+1)^2 (x^2-x+1)^2 (x+1)^3 (x-1)^4)$$

Sequence: A309513
Score: 6.12612
Type of gen. func.: ogf

$$-\frac{x^4 (2x^4 - x^3 + 3x^2 + x + 1)}{(x^2+1)(x^2+x+1)(x^2-x+1)(x+1)^2 (x-1)^3}$$

Sequence: A309515
Score: 4.77436
Type of gen. func.: ogf

$$\frac{2x^4 (x^{12} - x^{11} + 4x^{10} + 7x^8 + 9x^6 + 9x^4 + 5x^2 + x + 1)}{(x^2+1)^2 (x^2+x+1)^2 (x^2-x+1)^2 (x+1)^3 (x-1)^4}$$

Sequence: A309516
Score: 5.00481
Type of gen. func.: ogf

$$\frac{x^4 (2 x^6 - 3 x^5 + 4 x^4 - 2 x^3 + 4 x^2 - 5 x + 4)}{(x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A309518
Score: 5.61027
Type of gen. func.: ogf

$$\frac{x^5 (2 x^4 - 3 x^3 + 3 x^2 - x + 1)}{(x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 + 1) (x - 1)^4}$$

Sequence: A309523
Score: 5.26008
Type of gen. func.: ogf

$$- \frac{14 x^{10} - 12 x^9 + 10 x^8 - 15 x^6 + 18 x^5 - 15 x^4 - 2 x^2 - 6 x - 1}{(x - 1) (x^2 + 1) (2 x^4 - 1) (2 x^4 + 1)}$$

Sequence: A309599
Score: 2.2136
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A309617
Score: 10.199
Type of gen. func.: ogf

$$\frac{x^9 - 100 x^8 + 100 x^7 - 100 x^6 + 100 x^5 - 2790 x^4 + 3691 x^3 - 10 x + 113}{(x - 1)^2}$$

Sequence: A309683
Score: 9.96078
Type of gen. func.: ogf

$$-\frac{x^3}{(x^2+x+1)\,(x^2-x+1)\,(x+1)^2\,(x-1)^3}$$

Sequence: A309684
Score: 6.90045
Type of gen. func.: ogf

$$\frac{x^3\,(x^2+1)\,(x^4-x^2+1)}{(x^2+x+1)^2\,(x^2-x+1)^2\,(x+1)^3\,(x-1)^4}$$

Sequence: A309685
Score: 9.74024
Type of gen. func.: ogf

$$-\frac{x^6}{(x^2+x+1)\,(x^2-x+1)\,(x+1)^2\,(x-1)^3}$$

Sequence: A309686
Score: 9.81629
Type of gen. func.: ogf

$$\frac{2\,x^6}{(x^2+x+1)^2\,(x^2-x+1)^2\,(x+1)^3\,(x-1)^4}$$

Sequence: A309687
Score: 6.0038
Type of gen. func.: ogf

$$x^3\,(x^4-x^3+x^2-x+1)$$

$$- \frac{}{(x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^3}$$

Sequence: A309688
Score: 4.06836
Type of gen. func.: ogf

$$x^3 (x^4 + x^3 + x^2 + x + 1) (x^8 - 2 x^7 + 3 x^6 - 4 x^5 + 6 x^4 - 4 x^3 + 3 x^2 - 2 x + 1) / ((x + 1)^2 (x^2 + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2 (x - 1)^4)$$

Sequence: A309689
Score: 8.30574
Type of gen. func.: ogf

$$- \frac{x^5}{(x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^3}$$

Sequence: A309690
Score: 4.81137
Type of gen. func.: ogf

$$\frac{2 x^5 (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}{(x + 1)^2 (x^2 + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2 (x - 1)^4}$$

Sequence: A309692
Score: 4.26284
Type of gen. func.: ogf

$$x^3 (3 x^{12} + 8 x^{10} - 3 x^9 + 14 x^8 - 3 x^7 + 14 x^6 - 2 x^5 + 10 x^4 - x^3 + 4 x^2 - x + 1) / ((x^2 + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2 (x + 1)^3 (x - 1)^4)$$

Sequence: A309694
Score: 4.1526
Type of gen. func.: ogf

$$2x^4(x^{12}-x^{11}+3x^{10}-x^9+6x^8-x^7+7x^6-x^5+6x^4-x^3+3x^2+1) \Big/ ((x^2+1)^2(x^2+x+1)^2(x^2-x+1)^2(x+1)^3(x-1)^4)$$

Sequence: A309708
Score: 7.38597
Type of gen. func.: ogf

$$-\frac{x^4(x^8+1)}{(x^2+x+1)(x^2+1)^2(x^4+1)^2(x+1)^3(x-1)^5}$$

Sequence: A309711
Score: 8.39697
Type of gen. func.: ogf

$$-\frac{2x^8}{(x^2+x+1)(x^2+1)^2(x^4+1)^2(x+1)^3(x-1)^5}$$

Sequence: A309712
Score: 4.98442
Type of gen. func.: ogf

$$\frac{x^4(x^6-x^5+x^4-x^3+x^2-x+1)}{(x^2+1)(x^4+1)(x^2+x+1)(x^2-x+1)(x+1)^2(x-1)^4}$$

Sequence: A309715
Score: 7.21206
Type of gen. func.: ogf

$$\frac{x^7}{}$$

$$(x^2 + 1) (x^4 + 1) (x^2 + x + 1) (x^2 - x + 1) (x + 1)^2 (x - 1)^4$$

Sequence: A309717
Score: 10.8662
Type of gen. func.: ogf

$$- \frac{x^3}{(x^2 + 2 x - 1) (x^2 + 3 x - 1) (x^2 + x - 1)}$$

Sequence: A309775
Score: 25.7157
Type of gen. func.: lgdegf]

$$1 - 2 \exp(x)$$

Sequence: A309779
Score: 18.236
Type of gen. func.: ogf

$$-4 f(x) x + f(x) - 25$$

Sequence: A309779
Score: 29.4581
Type of gen. func.: ogf

$$- \frac{25}{4 x - 1}$$

Sequence: A309791
Score: 10.0182
Type of gen. func.: ogf

$$- \frac{18 x^4 - 12 x^3 + 6 x^2 - 8 x - 1}{(x - 1) (3 x^2 + 1) (3 x^2 - 1)}$$

Sequence: A309792
Score: 10.1011
Type of gen. func.: ogf

$$-\frac{10x^4-4x^3+3x^2-6x-2}{(x-1)(2x^2-1)(2x^2+1)}$$

Sequence: A309793
Score: 6.18913
Type of gen. func.: ogf

$$\frac{x^4(x^4-x+1)}{(x^2+1)(x^4+1)(x^2+x+1)(x^2-x+1)(x+1)^2(x-1)^4}$$

Sequence: A309795
Score: 5.94142
Type of gen. func.: ogf

$$\frac{x^6(x^4-x^3+1)}{(x^2+1)(x^4+1)(x^2+x+1)(x^2-x+1)(x+1)^2(x-1)^4}$$

Sequence: A309805
Score: 12.9479
Type of gen. func.: ogf

$$-\frac{x^3+3x^2+x+1}{(x+1)^2(x-1)^3}$$

Sequence: A309809
Score: 15.3513
Type of gen. func.: ogf

$$-\frac{360x^5-450x^4+x-13}{(x-1)^2}$$

Sequence: A309827
Score: 4.66707
Type of gen. func.: ogf

$$(5726116473 f(x) - 2900776775)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 250 x^2 - f(x) + 145 x + 1)$$

Sequence: A309827
Score: 8.65863
Type of gen. func.: ogf

$$-\frac{250 x^2 + 145 x + 1}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A309831
Score: 5.21925
Type of gen. func.: ogf

$$-x^{10} \Big/ ((x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^2 + 1)$$

$$(x + 1)^3 (x - 1)^5)$$

Sequence: A309842
Score: 18.3972
Type of gen. func.: ogf

$$-\frac{12 (2 x^2 - 5 x + 5)}{(x - 1)^3}$$

Sequence: A309842
Score: 7.17178
Type of gen. func.: ogf

$$(107 f(x) + 279) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 24 x^2 - f(x) - 60 x + 60)$$

Sequence: A309846
Score: 2.72544
Type of gen. func.: ogf

$$-\frac{x^4 (2 x^3 - 2 x^2 + 2 x - 1)}{(2 x - 1) (2 x^2 - 1) (2 x^2 - 2 x + 1)}$$

Sequence: A309860
Score: 5.5418
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^2$$

Sequence: A309861
Score: 8.39346
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^2$$

Sequence: A309862
Score: 4.25195
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^2$$

Sequence: A309863
Score: 5.47189
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^2$$

Sequence: A309864
Score: 6.97884
Type of gen. func.: ogf

$$(f(x)\, x - f(x) + 1)^2$$

Sequence: A309874
Score: 6.9584
Type of gen. func.: ogf

$$-\frac{2\,(x^5 + 3\,x^4 - 2\,x^3 - 3\,x^2 + x + 1)}{(x - 1)\,(x + 1)\,(x^2 + x - 1)^2}$$

Sequence: A309878
Score: 12.6681
Type of gen. func.: ogf

$$-\frac{x\,(2\,x - 1)}{(2\,x^2 - 2\,x + 1)\,(x - 1)^2}$$

Sequence: A309878
Score: 6.18202
Type of gen. func.: ogf

$$(5\,f(x) - 2)\,(2\,f(x)\,x^4 - 6\,f(x)\,x^3 + 7\,f(x)\,x^2 - 4\,f(x)\,x + 2\,x^2 + f(x) - x)$$

Sequence: A309879
Score: 3.83026
Type of gen. func.: ogf

$$-x^5\,(x^2 - x + 1)\,(x^6 - x^3 + 1) \Big/ \Big((x^2 + 1)\,(x^4 + x^3 + x^2 + x + 1)\,(x^4 - x^3 + x^2 - x + 1)\,(x^2 + x + 1)\,(x^4 + 1)\,(x + 1)^2\,(x - 1)^5\Big)$$

Sequence: A309881
Score: 4.82331
Type of gen. func.: ogf

$$-x^{9} / ((x^{2}+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)(x^{2}+x+1)(x^{4}+1)(x+1)^{2}(x-1)^{5})$$

Sequence: A309907
Score: 4.73422
Type of gen. func.: ogf

$$(9384714537 f(x) - 1429307788)(1000 f(x) x^{3} - 1110 f(x) x^{2} + 111 f(x) x + 40 x^{2} - f(x) + 58 x + 1)$$

Sequence: A309907
Score: 8.89265
Type of gen. func.: ogf

$$-\frac{40 x^{2} + 58 x + 1}{(x-1)(100 x-1)(10 x-1)}$$

Sequence: A309967
Score: 4.53761
Type of gen. func.: ogf

$$-(2 x^{19} - 2 x^{18} + 3 x^{16} - 3 x^{15} - 6 x^{14} + 3 x^{13} - 3 x^{12} + 3 x^{10} + 12 x^{9} - 3 x^{8} - 2 x^{6} - 4 x^{5} - 8 x^{4} - 3 x^{3} - 2 x^{2} - x - 1) / ((x-1)^{2}(x^{4}+x^{3}+x^{2}+x+1)^{2})$$

Sequence: A309970
Score: 7.33471
Type of gen. func.: ogf

$$f(x) x^{4} - f(x) x^{2} + x^{3} + x^{2} + f(x) - x - 1$$

Sequence: A309970

Score: 9.49905
Type of gen. func.: ogf

$$-\frac{(x-1)(x+1)^{2}}{x^{4}-x^{2}+1}$$

Sequence: A309976
Score: 7.70009
Type of gen. func.: ogf

$$f(x)^{2} x^{3}+2 f(x)^{2} x^{2}+f(x)^{2} x-2 f(x) x^{2}-f(x)^{2}-2 f(x) x+f(x)+x$$

Sequence: A309998
Score: 6.14318
Type of gen. func.: ogf

$$x (184 x^{9}+5 x^{8}+151 x^{7}+5 x^{6}+184 x^{5}-828 x^{4}-19 x^{3}-453 x^{2}-11 x-276) / ((x-1) (x^{10}-6 x^{5}+1))$$

Sequence: A310007
Score: 3.33551
Type of gen. func.: ogf

$$-(2 x^{16}-4 x^{15}+3 x^{14}-5 x^{13}+5 x^{12}-12 x^{11}+3 x^{10}-12 x^{9}+2 x^{8}-9 x^{7}-8 x^{5}-3 x^{4}-4 x^{3}-x^{2}-x-1) / ((x-1)^{2} (x^{2}+1)^{2} (x^{4}+1)^{2})$$

Sequence: A310025
Score: 3.35901
Type of gen. func.: ogf

$$-(2 x^{16}-4 x^{15}+3 x^{14}-5 x^{13}+4 x^{12}-11 x^{11}+4 x^{10}-12 x^{9}+2 x^{8}-11 x^{7}-8 x^{5}-2 x^{4}-3 x^{3}-2 x^{2}-x-1) / ((x-1)^{2} (x^{2}+1)^{2}$$

$$^{4} \qquad ^{2}$$

$(x + 1))$

Sequence: A310039
Score: 3.21483
Type of gen. func.: ogf

$$-(2x^{14} - 6x^{13} + 7x^{12} - 6x^{11} + x^{10} - x^9 - x^8 - 4x^7 + 4x^6 - 6x^5 + 3x^4 - 3x^3 - x^2 - 1) / ((x^2 - x + 1)(x^4 - x^2 + 1)(x - 1)^2 (x^2 + 1)^2)$$

Sequence: A310040
Score: 3.30261
Type of gen. func.: ogf

$$-(2x^{16} - 4x^{15} + 3x^{14} - 5x^{13} + 4x^{12} - 12x^{11} + 2x^{10} - 13x^9 + x^8 - 10x^7 - x^6 - 9x^5 - 4x^4 - 4x^3 - 2x^2 - x - 1) / ((x - 1)^2 (x^2 + 1)^2 (x^4 + 1)^2)$$

Sequence: A310066
Score: 3.32814
Type of gen. func.: ogf

$$-(x^2 - x + 1)(x^{17} - 2x^{16} + x^{15} + x^{14} - 2x^{13} + 2x^{12} - x^{11} - 2x^{10} + 2x^9 - 3x^8 - 2x^5 - x^3 - x^2 - 1)(x + 1)^2 / ((x - 1)^2 (x^6 + x^3 + 1)^2)$$

Sequence: A310068
Score: 4.45607
Type of gen. func.: ogf

$$\frac{(x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2}{(x^4 + x^3 + x^2 + x + 1)(x^4 + 1)(x - 1)^2}$$

Sequence: A310068
Score: 5.38294
Type of gen. func.: ogf

$$\frac{(x+1)^2 (x^2+x+1)^2 (x^2-x+1)^2}{(x^4+x^3+x^2+x+1)(x^4+1)(x-1)^2}$$

Sequence: A310089
Score: 4.55953
Type of gen. func.: ogf

$$\frac{(x+1)(x^9+2x^8+5x^7+5x^6+8x^5+6x^4+7x^3+4x^2+2x+1)}{(x-1)^2 (x^4+x^3+x^2+x+1)^2}$$

Sequence: A310089
Score: 5.16509
Type of gen. func.: ogf

$$\frac{(x+1)(x^9+2x^8+5x^7+5x^6+8x^5+6x^4+7x^3+4x^2+2x+1)}{(x-1)^2 (x^4+x^3+x^2+x+1)^2}$$

Sequence: A310090
Score: 3.30868
Type of gen. func.: ogf

$$(x^{15}+2x^{14}+5x^{13}+5x^{12}+8x^{11}+10x^{10}+10x^9+13x^8+11x^7+12x^6+10x^5+6x^4+7x^3+4x^2+2x+1) \Big/ ((x+1)(x-1)^2 (x^2+1)^2 (x^4+1)^2)$$

Sequence: A310096
Score: 4.05428
Type of gen. func.: ogf

```
      2        9      8      7      6      5      4      3      2
```

$$\frac{(x + 1) (x + 2 x + 4 x + 4 x + 4 x + 5 x + 5 x + 3 x + 2 x + 1)}{(x + 1) (x - 1)^{2} (x^{2} - x + 1)^{2} (x^{2} + x + 1)^{2}}$$

Sequence: A310100
Score: 3.82362
Type of gen. func.: ogf

$$(x^{13} + 2 x^{12} + 4 x^{11} + 4 x^{10} + 5 x^{9} + 6 x^{8} + 7 x^{7} + 7 x^{6} + 6 x^{5} + 5 x^{4} + 5 x^{3} + 3 x^{2} + 2 x + 1) / ((x + 1) (x^{2} + 1) (x - 1)^{2} (x^{4} + 1)^{2})$$

Sequence: A310102
Score: 3.71533
Type of gen. func.: ogf

$$(x^{10} + 3 x^{9} + 6 x^{8} + 11 x^{7} + 15 x^{6} + 15 x^{5} + 15 x^{4} + 11 x^{3} + 6 x^{2} + 3 x + 1) (x^{4} + 1) / ((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A310102
Score: 3.95859
Type of gen. func.: ogf

$$(x^{10} + 3 x^{9} + 6 x^{8} + 11 x^{7} + 15 x^{6} + 15 x^{5} + 15 x^{4} + 11 x^{3} + 6 x^{2} + 3 x + 1) (x^{4} + 1) / ((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A310117
Score: 3.37243
Type of gen. func.: ogf

$$(x^{14} + 3 x^{13} + 7 x^{12} + 12 x^{11} + 17 x^{10} + 20 x^{9} + 23 x^{8} + 24 x^{7} + 23 x^{6} + 21 x^{5} + 18 x^{4} + 11 x^{3} + 6 x^{2} + 3 x + 1) / ((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A310117
Score: 4.07502
Type of gen. func.: ogf

$$\frac{x^{14}+3x^{13}+7x^{12}+12x^{11}+17x^{10}+20x^{9}+23x^{8}+24x^{7}+23x^{6}+21x^{5}+18x^{4}+11x^{3}+6x^{2}+3x+1}{(x-1)^{2}(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)^{2}}$$

Sequence: A310118
Score: 4.15202
Type of gen. func.: ogf

$$\frac{(x^{2}+x+1)(x^{12}+2x^{10}+2x^{9}+3x^{8}-x^{7}+7x^{6}-x^{5}+3x^{4}+2x^{3}+2x^{2}+1)}{(x-1)^{2}(x^{2}+1)^{2}(x^{4}+1)^{2}}$$

Sequence: A310146
Score: 2.4302
Type of gen. func.: ogf

$$\frac{(x^{6}+x^{4}-2x^{3}+x^{2}+1)(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x^{2}+1)(x+1)^{2}}{(x^{2}+x+1)(x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A310153
Score: 2.98736
Type of gen. func.: ogf

$$-(x^{20}-2x^{19}+2x^{18}-2x^{17}-2x^{13}-x^{11}-x^{10}+x^{9}-x^{8}-2x^{7}+2x^{6}$$

```
          5    4    2        /    2            6    3        6    3
```

```
     - 2 x  - x  - x  - 1)  /  ((x  - x + 1) (x  + x  + 1) (x  - x  + 1)
                           /

           2
    (x - 1) )
```

Sequence: A310165
Score: 3.32522
Type of gen. func.: ogf

```
  15      14      13      12      11      10       9       8       7       6
(x   + 2 x   + 4 x   + 6 x   + 9 x   + 8 x   + 12 x  + 11 x  + 13 x  + 10 x

           5      4      3      2              /                 2   2     2
     + 10 x  + 9 x  + 5 x  + 4 x  + 2 x + 1)  /  ((x + 1) (x - 1)  (x  + 1)
                                             /

      4     2
    (x  + 1) )
```

Sequence: A310184
Score: 3.33905
Type of gen. func.: ogf

```
  15      14      13      12      11      10       9      8       7       6
(x   + 2 x   + 5 x   + 5 x   + 8 x   + 8 x   + 14 x  + 9 x  + 15 x  + 11 x

          5      4      3      2              /                 2   2     2
     + 8 x  + 8 x  + 5 x  + 5 x  + 2 x + 1)  /  ((x + 1) (x - 1)  (x  + 1)
                                            /

      4     2
    (x  + 1) )
```

Sequence: A310185
Score: 4.43017
Type of gen. func.: ogf

```
         9      8      7      6       5       4      3      2
        x  + 3 x  + 7 x  + 9 x  + 12 x  + 10 x  + 9 x  + 7 x  + 3 x + 1
        ---------------------------------------------------------------
                            2                 2   2         2
                  (x + 1) (x  - x + 1) (x - 1)  (x  + x + 1)
```

Sequence: A310185
Score: 5.43866
Type of gen. func.: ogf

```
         9      8      7      6       5       4      3      2
        x  + 3 x  + 7 x  + 9 x  + 12 x  + 10 x  + 9 x  + 7 x  + 3 x + 1
        ---------------------------------------------------------------
```

$$(x + 1) (x^2 - x + 1) (x - 1)^2 (x^2 + x + 1)^2$$

Sequence: A310190
Score: 3.80151
Type of gen. func.: ogf

$$(x^{13} + 2 x^{12} + 4 x^{11} + 3 x^{10} + 7 x^9 + 4 x^8 + 9 x^7 + 5 x^6 + 8 x^5 + 5 x^4 + 3 x^3 + 4 x^2 + 2 x + 1) / ((x + 1) (x^2 + 1) (x - 1)^2 (x^4 + 1)^2)$$

Sequence: A310198
Score: 3.2632
Type of gen. func.: ogf

$$(x^2 - x + 1) (x^{12} + 4 x^{11} + 10 x^{10} + 17 x^9 + 20 x^8 + 23 x^7 + 24 x^6 + 23 x^5 + 20 x^4 + 17 x^3 + 10 x^2 + 4 x + 1) / ((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A310198
Score: 3.98188
Type of gen. func.: ogf

$$(x^2 - x + 1) (x^{12} + 4 x^{11} + 10 x^{10} + 17 x^9 + 20 x^8 + 23 x^7 + 24 x^6 + 23 x^5 + 20 x^4 + 17 x^3 + 10 x^2 + 4 x + 1) / ((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A310215
Score: 5.05915
Type of gen. func.: ogf

$$\frac{x^7 + 2 x^6 + 6 x^5 + 5 x^4 + 7 x^3 + 5 x^2 + 2 x + 1}{(x + 1) (x - 1)^2 (x^2 + 1)^2}$$

Sequence: A310215
Score: 6.1731
Type of gen. func.: ogf

$$\frac{x^{7} + 2 x^{6} + 6 x^{5} + 5 x^{4} + 7 x^{3} + 5 x^{2} + 2 x + 1}{(x + 1) (x - 1)^{2} (x^{2} + 1)^{2}}$$

Sequence: A310218
Score: 3.35316
Type of gen. func.: ogf

$$(x^{14} + 3 x^{13} + 7 x^{12} + 12 x^{11} + 16 x^{10} + 21 x^{9} + 23 x^{8} + 24 x^{7} + 25 x^{6} + 21 x^{5} + 14 x^{4} + 12 x^{3} + 7 x^{2} + 3 x + 1) / ((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A310218
Score: 4.05173
Type of gen. func.: ogf

$$(x^{14} + 3 x^{13} + 7 x^{12} + 12 x^{11} + 16 x^{10} + 21 x^{9} + 23 x^{8} + 24 x^{7} + 25 x^{6} + 21 x^{5} + 14 x^{4} + 12 x^{3} + 7 x^{2} + 3 x + 1) / ((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A310219
Score: 3.159
Type of gen. func.: ogf

$$- (x^{14} + x^{12} - x^{11} - x^{10} - 4 x^{9} - 5 x^{8} - 8 x^{7} - 8 x^{6} - 7 x^{5} - 8 x^{4} - 7 x^{3} - 5 x^{2} - 2 x - 1) / ((x^{2} + x + 1) (x^{2} - x + 1) (x^{4} + x^{3} + x^{2} + x + 1)$$

^{2}

$$(x - 1))$$

Sequence: A310223
Score: 3.14781
Type of gen. func.: ogf

$$(x^{14} + 2 x^{13} + 5 x^{12} + 7 x^{11} + 8 x^{10} + 9 x^{9} + 9 x^{8} + 12 x^{7} + 9 x^{6} + 9 x^{5} + 8 x^{4} + 7 x^{3} + 5 x^{2} + 2 x + 1) / ((x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A310232
Score: 4.00462
Type of gen. func.: ogf

$$(x^{11} + 2 x^{10} + 6 x^{9} + 5 x^{8} + 11 x^{7} + 8 x^{6} + 12 x^{5} + 8 x^{4} + 7 x^{3} + 5 x^{2} + 2 x + 1) / ((x + 1) (x - 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2})$$

Sequence: A310233
Score: 3.6207
Type of gen. func.: ogf

$$(x^{2} + x + 1) (x^{13} + x^{12} + 4 x^{11} + 7 x^{9} + x^{8} + 8 x^{7} + 2 x^{6} + 7 x^{5} + 2 x^{4} + 3 x^{3} + 3 x^{2} + x + 1) / ((x + 1) (x - 1)^{2} (x^{2} + 1)^{2} (x^{4} + 1)^{2})$$

Sequence: A310235
Score: 3.82411
Type of gen. func.: ogf

$$(x^{2} + x + 1) (x^{2} - x + 1) (x^{10} + x^{9} + 3 x^{8} + 2 x^{7} + x^{6} + 5 x^{5} + x^{4} + 2 x^{3} + 3 x^{2} + x + 1) / ((x - 1)^{2} (x^{2} + 1)^{2} (x^{4} + 1)^{2})$$

Sequence: A310238
Score: 4.05091
Type of gen. func.: ogf

$$\frac{(x^2 + 1)(x^8 + x^7 + 2x^6 + x^5 + x^3 + 2x^2 + x + 1)}{(x^4 + x^3 + x^2 + x + 1)(x^4 - x^3 + x^2 - x + 1)(x - 1)^2}$$

Sequence: A310244
Score: 3.36976
Type of gen. func.: ogf

$$(x^{15} + 2x^{14} + 5x^{13} + 7x^{12} + 11x^{11} + 11x^{10} + 16x^9 + 13x^8 + 17x^7 + 14x^6 + 13x^5 + 9x^4 + 7x^3 + 5x^2 + 2x + 1) \Big/ \left((x + 1)(x - 1)^2 (x^2 + 1)^2 (x^4 + 1)^2\right)$$

Sequence: A310245
Score: 3.28165
Type of gen. func.: ogf

$$(x^2 - x + 1)(x^{14} + 3x^{13} + 6x^{12} + 9x^{11} + 9x^{10} + 11x^9 + 12x^8 + 12x^7 + 12x^6 + 11x^5 + 9x^4 + 9x^3 + 6x^2 + 3x + 1) \Big/ \left((x^2 + x + 1)(x - 1)^2 (x^6 + x^3 + 1)^2\right)$$

Sequence: A310252
Score: 4.60395
Type of gen. func.: ogf

$$(x^{10} + 3x^9 + 7x^8 + 13x^7 + 15x^6 + 16x^5 + 15x^4 + 13x^3 + 7x^2 + 3x + 1) \Big/ \left((x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2\right)$$

Sequence: A310252
Score: 5.28734
Type of gen. func.: ogf

$$\left(x^{10}+3x^{9}+7x^{8}+13x^{7}+15x^{6}+16x^{5}+15x^{4}+13x^{3}+7x^{2}+3x+1\right) \Big/ \left((x-1)^{2}\left(x^{4}+x^{3}+x^{2}+x+1\right)^{2}\right)$$

Sequence: A310253
Score: 3.84572
Type of gen. func.: ogf

$$\left(x^{14}+x^{13}+4x^{12}+4x^{11}+3x^{10}+10x^{9}+3x^{8}+11x^{7}+3x^{6}+10x^{5}+3x^{4}+4x^{3}+4x^{2}+x+1\right) \Big/ \left((x-1)^{2}\left(x^{2}+1\right)^{2}\left(x^{4}+1\right)^{2}\right)$$

Sequence: A310267
Score: 4.77537
Type of gen. func.: ogf

$$\frac{(x+1)\left(x^{9}+2x^{8}+6x^{7}+8x^{6}+9x^{5}+9x^{4}+9x^{3}+5x^{2}+2x+1\right)}{(x-1)^{2}\left(x^{4}+x^{3}+x^{2}+x+1\right)^{2}}$$

Sequence: A310267
Score: 5.40959
Type of gen. func.: ogf

$$\frac{(x+1)\left(x^{9}+2x^{8}+6x^{7}+8x^{6}+9x^{5}+9x^{4}+9x^{3}+5x^{2}+2x+1\right)}{(x-1)^{2}\left(x^{4}+x^{3}+x^{2}+x+1\right)^{2}}$$

Sequence: A310268
Score: 4.00195
Type of gen. func.: ogf

14 13 12 11 10 9 8 7 6 5 4

$$(x + x + 5 x + 3 x + 6 x + 7 x + 8 x + 8 x + 8 x + 8 x + 4 x$$

$$+ 5 x^{3} + 4 x^{2} + x + 1) \Big/ ((x - 1)^{2} (x^{2} + 1)^{2} (x^{4} + 1)^{2})$$

Sequence: A310269
Score: 4.66227
Type of gen. func.: ogf

$$\frac{x^{10} + x^{9} + 4 x^{8} + 5 x^{7} + 5 x^{6} + 6 x^{5} + 5 x^{4} + 5 x^{3} + 4 x^{2} + x + 1}{(x - 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2}}$$

Sequence: A310270
Score: 4.67342
Type of gen. func.: ogf

$$\frac{x^{9} + x^{8} + 4 x^{7} + 3 x^{6} + 5 x^{5} + 3 x^{4} + 5 x^{3} + 3 x^{2} + x + 1}{(x + 1) (x^{2} + x + 1) (x - 1)^{2} (x^{2} - x + 1)^{2}}$$

Sequence: A310273
Score: 3.56922
Type of gen. func.: ogf

$$(x^{2} + 1) (x^{2} + x + 1)$$

$$(x^{10} + 2 x^{9} + 3 x^{8} + 6 x^{7} + 5 x^{6} + 3 x^{5} + 5 x^{4} + 6 x^{3} + 3 x^{2} + 2 x + 1)$$

$$\Big/ ((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A310273
Score: 4.12160
Type of gen. func.: ogf

$$(x^{2} + 1) (x^{2} + x + 1)$$

$$(x^{10} + 2 x^{9} + 3 x^{8} + 6 x^{7} + 5 x^{6} + 3 x^{5} + 5 x^{4} + 6 x^{3} + 3 x^{2} + 2 x + 1)$$

$$/ \quad {}^{2} \quad {}^{6} \quad {}^{5} \quad {}^{4} \quad {}^{3} \quad {}^{2} \quad {}^{2}$$

$$\Big/ \left((x - 1)\,(x + x + x + x + x + x + 1)\right)$$

Sequence: A310274
Score: 3.91202
Type of gen. func.: ogf

$$(x + 1)\,(x^9 + 2 x^8 + 4 x^7 + 4 x^6 + 3 x^5 + 4 x^4 + 5 x^3 + 3 x^2 + 2 x + 1)\,(x^2 + 1)^2 \Big/ \left((x - 1)^2\,(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2\right)$$

Sequence: A310274
Score: 4.12160
Type of gen. func.: ogf

$$(x + 1)\,(x^9 + 2 x^8 + 4 x^7 + 4 x^6 + 3 x^5 + 4 x^4 + 5 x^3 + 3 x^2 + 2 x + 1)\,(x^2 + 1)^2 \Big/ \left((x - 1)^2\,(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2\right)$$

Sequence: A310275
Score: 4.51387
Type of gen. func.: ogf

$$(x^{12} + x^{11} + 3 x^{10} + 4 x^9 + 3 x^8 + 5 x^7 + 4 x^6 + 5 x^5 + 3 x^4 + 4 x^3 + 3 x^2 + x + 1) \Big/ \left((x^2 + 1)\,(x - 1)^2\,(x^4 + 1)\right)$$

Sequence: A310279
Score: 3.02134
Type of gen. func.: ogf

$$- (x^{15} - x^{14} + 2 x^{13} - x^{12} - x^{11} + x^{10} - 6 x^9 - 4 x^8 - 7 x^7 - 6 x^6 - 10 x^5 - 6 x^4 - 5 x^3 - 6 x^2 - 2 x - 1) \Big/ \left((x^2 + 1)\,(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2\right)$$

Sequence: A310294
Score: 3.12962
Type of gen. func.: ogf

$$-(x^{14}+x^{11}-x^{10}-x^{9}-x^{8}-3x^{7}-7x^{6}-4x^{5}-4x^{4}-5x^{3}-5x^{2}-2x-1)(x^{2}+1) / ((x^{2}+x+1)(x^{2}-x+1)(x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2})$$

Sequence: A310319
Score: 3.86731
Type of gen. func.: ogf

$$\frac{x^{10}+2x^{9}+7x^{8}+5x^{7}+6x^{6}+12x^{5}+6x^{4}+5x^{3}+7x^{2}+2x+1}{(x^{2}+1)(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A310319
Score: 4.22987
Type of gen. func.: ogf

$$\frac{x^{10}+2x^{9}+7x^{8}+5x^{7}+6x^{6}+12x^{5}+6x^{4}+5x^{3}+7x^{2}+2x+1}{(x^{2}+1)(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A310325
Score: 3.934
Type of gen. func.: ogf

$$-(3x^{16}+3x^{14}+3x^{13}+3x^{12}-9x^{10}-6x^{9}-10x^{8}-3x^{7}-9x^{6}-12x^{5}-13x^{4}-15x^{3}-9x^{2}-3x-1) / ((x-1)^{2}(x+1)^{2}(x^{2}+1)^{2})$$

Sequence: A310325
Score: 4.32254
Type of gen. func.: ogf

$$- (3 x^{16} + 3 x^{14} + 3 x^{13} + 3 x^{12} - 9 x^{10} - 6 x^{9} - 10 x^{8} - 3 x^{7} - 9 x^{6} - 12 x^{5} - 13 x^{4} - 15 x^{3} - 9 x^{2} - 3 x - 1) / ((x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2})$$

Sequence: A310326
Score: 3.4085
Type of gen. func.: ogf

$$(x^{11} + 3 x^{10} + 12 x^{9} + 12 x^{8} + 14 x^{7} + 18 x^{6} + 18 x^{5} + 14 x^{4} + 15 x^{3} + 9 x^{2} + 3 x + 1) / ((x + 1) (x^{2} + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A310326
Score: 4.68378
Type of gen. func.: ogf

$$(x^{11} + 3 x^{10} + 12 x^{9} + 12 x^{8} + 14 x^{7} + 18 x^{6} + 18 x^{5} + 14 x^{4} + 15 x^{3} + 9 x^{2} + 3 x + 1) / ((x + 1) (x^{2} + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A310331
Score: 4.86951
Type of gen. func.: ogf

$$\frac{x^{8} + 2 x^{7} + 7 x^{6} + 11 x^{5} + 6 x^{4} + 11 x^{3} + 7 x^{2} + 2 x + 1}{(x^{2} + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A310334
Score: 3.84682
Type of gen. func.: ogf

$$x^{10} + 2 x^{9} + 4 x^{8} - 3 x^{7} + 14 x^{6} - 6 x^{5} + 14 x^{4} - 3 x^{3} + 4 x^{2} + 2 x + 1$$

$$\overline{(x^2 - x + 1)\,(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A310334
Score: 4.30080
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^9 + 4 x^8 - 3 x^7 + 14 x^6 - 6 x^5 + 14 x^4 - 3 x^3 + 4 x^2 + 2 x + 1}{(x^2 - x + 1)\,(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A310337
Score: 3.66364
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 15 x^{10} + 24 x^9 + 42 x^8 + 52 x^7 + 60 x^6 + 52 x^5 + 42 x^4 + 24 x^3 + 15 x^2 + 5 x + 1) \Big/ ((x^2 + x + 1)\,(x - 1)^2\,(x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A310339
Score: 3.29728
Type of gen. func.: ogf

$$(x^{14} + 3 x^{13} + 7 x^{12} + 4 x^{11} + 15 x^{10} + 4 x^9 + 23 x^8 + 4 x^7 + 23 x^6 + 4 x^5 + 15 x^4 + 4 x^3 + 7 x^2 + 3 x + 1) \Big/ ((x^2 - x + 1)\,(x^6 + x^3 + 1)\,(x - 1)^2\,(x^2 + x + 1)^2)$$

Sequence: A310341
Score: 4.93858
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + 6 x^6 + 2 x^5 + 6 x^4 + 2 x^3 + 6 x^2 + 3 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A310341
Score: 6.38844
Type of gen. func.: ogf

$$\frac{x^8 + 3x^7 + 6x^6 + 2x^5 + 6x^4 + 2x^3 + 6x^2 + 3x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A310342
Score: 6.38844
Type of gen. func.: ogf

$$\frac{x^6 + 3x^5 + 6x^4 + 2x^3 + 6x^2 + 3x + 1}{(x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A310342
Score: 7.48753
Type of gen. func.: ogf

$$\frac{x^6 + 3x^5 + 6x^4 + 2x^3 + 6x^2 + 3x + 1}{(x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A310343
Score: 3.55638
Type of gen. func.: ogf

$$-(4x^{15} - x^{12} - 4x^{11} - 14x^{10} - 16x^9 - 22x^8 - 24x^7 - 30x^6 - 24x^5 - 18x^4 - 12x^3 - 10x^2 - 4x - 1) \Big/ \left((x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2\right)$$

Sequence: A310343
Score: 4.42870
Type of gen. func.: ogf

$$- (4 x^{15} - x^{12} - 4 x^{11} - 14 x^{10} - 16 x^{9} - 22 x^{8} - 24 x^{7} - 30 x^{6} - 24 x^{5} - 18 x^{4} - 12 x^{3} - 10 x^{2} - 4 x - 1) / ((x - 1)^{2} (x + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2})$$

Sequence: A310347
Score: 3.44723
Type of gen. func.: ogf

$$(x^{15} + 3 x^{14} + 7 x^{13} + 6 x^{12} + 12 x^{11} + 9 x^{10} + 17 x^{9} + 14 x^{8} + 18 x^{7} + 14 x^{6} + 11 x^{5} + 11 x^{4} + 6 x^{3} + 7 x^{2} + 3 x + 1) / ((x + 1) (x - 1)^{2} (x^{2} + 1)^{2} (x^{4} + 1)^{2})$$

Sequence: A310348
Score: 3.764
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 10 x^{10} + 13 x^{9} + 18 x^{8} + 23 x^{7} + 25 x^{6} + 23 x^{5} + 17 x^{4} + 13 x^{3} + 10 x^{2} + 4 x + 1) / ((x - 1)^{2} (x + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2})$$

Sequence: A310348
Score: 4.64227
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 10 x^{10} + 13 x^{9} + 18 x^{8} + 23 x^{7} + 25 x^{6} + 23 x^{5} + 17 x^{4} + 13 x^{3} + 10 x^{2} + 4 x + 1) / ((x - 1)^{2} (x + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2})$$

Sequence: A310349
Score: 4.49252
Type of gen. func.: ogf

9 8 7 6 5 4 3 2

```
      x  + 4 x  + 10 x  + 12 x  + 14 x  + 13 x  + 12 x  + 10 x  + 4 x + 1
      --------------------------------------------------------------------
                            2                  2   2         2
                  (x + 1) (x  - x + 1) (x - 1)  (x  + x + 1)
```

Sequence: A310349
Score: 5.48299
Type of gen. func.: ogf

```
       9      8       7       6       5       4       3       2
      x  + 4 x  + 10 x  + 12 x  + 14 x  + 13 x  + 12 x  + 10 x  + 4 x + 1
      --------------------------------------------------------------------
                            2                  2   2         2
                  (x + 1) (x  - x + 1) (x - 1)  (x  + x + 1)
```

Sequence: A310355
Score: 3.8688
Type of gen. func.: ogf

```
  10      9       8       7       6       5       4       3       2
(x   + 4 x  + 10 x  + 13 x  + 17 x  + 21 x  + 17 x  + 13 x  + 10 x  + 4 x + 1)

       /    2        2            2                  2       2
      /  ((x  + 1) (x  - x + 1) (x  + x + 1) (x - 1)  (x + 1) )
     /
```

Sequence: A310355
Score: 5.07429
Type of gen. func.: ogf

```
  10      9       8       7       6       5       4       3       2
(x   + 4 x  + 10 x  + 13 x  + 17 x  + 21 x  + 17 x  + 13 x  + 10 x  + 4 x + 1)

       /    2        2            2                  2       2
      /  ((x  + 1) (x  - x + 1) (x  + x + 1) (x - 1)  (x + 1) )
     /
```

Sequence: A310358
Score: 4.66835
Type of gen. func.: ogf

```
             8      7      6      5       4      3      2
            x  + 3 x  + 7 x  + 5 x  + 10 x  + 5 x  + 7 x  + 3 x + 1
            -------------------------------------------------------
                        2                  2   2         2
                      (x  - x + 1) (x - 1)  (x  + x + 1)
```

Sequence: A310358
Score: 5.38655
Type of gen. func.: ogf

$$\frac{x^{8} + 3 x^{7} + 7 x^{6} + 5 x^{5} + 10 x^{4} + 5 x^{3} + 7 x^{2} + 3 x + 1}{(x^{2} - x + 1) (x - 1)^{2} (x^{2} + x + 1)^{2}}$$

Sequence: A310361
Score: 3.55458
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 9 x^{10} + 10 x^{9} + 7 x^{8} + 14 x^{7} + 21 x^{6} + 14 x^{5} + 7 x^{4} + 10 x^{3} + 9 x^{2} + 4 x + 1) (x^{2} + 1) / ((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A310361
Score: 4.11913
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 9 x^{10} + 10 x^{9} + 7 x^{8} + 14 x^{7} + 21 x^{6} + 14 x^{5} + 7 x^{4} + 10 x^{3} + 9 x^{2} + 4 x + 1) (x^{2} + 1) / ((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A310365
Score: 3.95648
Type of gen. func.: ogf

$$(x^{14} + 2 x^{13} + 5 x^{12} + 2 x^{11} + 8 x^{10} + 3 x^{9} + 12 x^{8} + 4 x^{7} + 13 x^{6} + 2 x^{5} + 8 x^{4} + 2 x^{3} + 5 x^{2} + 2 x + 1) / ((x - 1)^{2} (x^{2} + 1)^{2} (x^{4} + 1)^{2})$$

Sequence: A310367
Score: 3.33177
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 6 x^{10} + 4 x^9 + 4 x^8 + 4 x^7 + 4 x^6 + 4 x^5 + 4 x^4 + 4 x^3 + 6 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A310367
Score: 4.76945
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 6 x^{10} + 4 x^9 + 4 x^8 + 4 x^7 + 4 x^6 + 4 x^5 + 4 x^4 + 4 x^3 + 6 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A310368
Score: 4.37950
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^9 + 4 x^8 + 4 x^6 + 4 x^4 + 4 x^2 + 2 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A310368
Score: 4.52169
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^9 + 4 x^8 + 4 x^6 + 4 x^4 + 4 x^2 + 2 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A310369
Score: 4.64227
Type of gen. func.: ogf

$$x^{10} + 3 x^9 + 6 x^8 + 4 x^7 + 4 x^6 + 4 x^5 + 4 x^4 + 4 x^3 + 6 x^2 + 3 x + 1$$

$$\overline{(x^2 + x + 1)\,(x^6 + x^3 + 1)\,(x - 1)^2}$$

Sequence: A310369
Score: 5.48299
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 6 x^8 + 4 x^7 + 4 x^6 + 4 x^5 + 4 x^4 + 4 x^3 + 6 x^2 + 3 x + 1}{(x^2 + x + 1)\,(x^6 + x^3 + 1)\,(x - 1)^2}$$

Sequence: A310370
Score: 5.23564
Type of gen. func.: ogf

$$\frac{x^8 + 2 x^7 + 4 x^6 + 4 x^4 + 4 x^2 + 2 x + 1}{(x^4 + 1)\,(x^2 + 1)\,(x - 1)^2}$$

Sequence: A310370
Score: 6.63181
Type of gen. func.: ogf

$$\frac{x^8 + 2 x^7 + 4 x^6 + 4 x^4 + 4 x^2 + 2 x + 1}{(x^4 + 1)\,(x^2 + 1)\,(x - 1)^2}$$

Sequence: A310371
Score: 3.35049
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 6 x^{10} + 4 x^9 + 4 x^8 + 4 x^7 + 6 x^6 + 4 x^5 + 4 x^4 + 4 x^3 + 6 x^2 + 3 x + 1) \Big/ \left((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2\right)$$

Sequence: A310371
Score: 4.79625
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 6 x^{10} + 4 x^{9} + 4 x^{8} + 4 x^{7} + 6 x^{6} + 4 x^{5} + 4 x^{4} + 4 x^{3} + 6 x^{2} + 3 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A310372
Score: 4.96633
Type of gen. func.: ogf

$$\frac{x^{8} + 3 x^{7} + 6 x^{6} + 4 x^{5} + 4 x^{4} + 4 x^{3} + 6 x^{2} + 3 x + 1}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A310372
Score: 6.42433
Type of gen. func.: ogf

$$\frac{x^{8} + 3 x^{7} + 6 x^{6} + 4 x^{5} + 4 x^{4} + 4 x^{3} + 6 x^{2} + 3 x + 1}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A310373
Score: 4.19482
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^{9} + 6 x^{8} + 3 x^{7} + x^{6} - x^{5} + x^{4} + 3 x^{3} + 6 x^{2} + 3 x + 1}{(x^{2} + 1) (x^{2} + x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A310373
Score: 4.37950
Type of gen. func.: ogf

10 9 8 7 6 5 4 3 2

$$\frac{x + 3x + 6x + 3x + x - x + x + 3x + 6x + 3x + 1}{(x^2+1)(x^2+x+1)(x^4-x^2+1)(x-1)^2}$$

Sequence: A310374
Score: 3.35049
Type of gen. func.: ogf

$$(x^{12} + 3x^{11} + 6x^{10} + 4x^9 + 4x^8 + 5x^7 + 4x^6 + 5x^5 + 4x^4 + 4x^3 + 6x^2 + 3x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x-1)^2)$$

Sequence: A310374
Score: 4.79625
Type of gen. func.: ogf

$$(x^{12} + 3x^{11} + 6x^{10} + 4x^9 + 4x^8 + 5x^7 + 4x^6 + 5x^5 + 4x^4 + 4x^3 + 6x^2 + 3x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x-1)^2)$$

Sequence: A310375
Score: 4.19313
Type of gen. func.: ogf

$$\frac{x^{10} + 2x^9 + 4x^8 + 4x^6 + x^5 + 4x^4 + 4x^2 + 2x + 1}{(x^4 + x^3 + x^2 + x + 1)(x^4 - x^3 + x^2 - x + 1)(x-1)}$$

Sequence: A310375
Score: 4.32254
Type of gen. func.: ogf

$$x^{10} + 2x^9 + 4x^8 + 4x^6 + x^5 + 4x^4 + 4x^2 + 2x + 1$$

4 3 2 4 3 2 2

$$(x + x + x + x + 1) (x - x + x - x + 1) (x - 1)$$

Sequence: A310376
Score: 3.35049
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 11 x^{10} + 17 x^{9} + 25 x^{8} + 30 x^{7} + 32 x^{6} + 30 x^{5} + 25 x^{4} + 17 x^{3} + 11 x^{2} + 4 x + 1) \Big/ ((x^{2} - x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2} (x^{2} + x + 1)^{2})$$

Sequence: A310378
Score: 3.46879
Type of gen. func.: ogf

$$(x^{10} + x^{9} + 3 x^{8} - 3 x^{7} + 7 x^{6} - 5 x^{5} + 7 x^{4} - 3 x^{3} + 3 x^{2} + x + 1) (x + 1)^{2} \Big/ ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A310378
Score: 4.82304
Type of gen. func.: ogf

$$(x^{10} + x^{9} + 3 x^{8} - 3 x^{7} + 7 x^{6} - 5 x^{5} + 7 x^{4} - 3 x^{3} + 3 x^{2} + x + 1) (x + 1)^{2} \Big/ ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A310379
Score: 4.21655
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^{9} + 4 x^{8} + 4 x^{6} + 2 x^{5} + 4 x^{4} + 4 x^{2} + 2 x + 1}{(x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A310379
Score: 4.34669
Type of gen. func.: ogf

$$\frac{x^{10}+2x^{9}+4x^{8}+4x^{6}+2x^{5}+4x^{4}+4x^{2}+2x+1}{(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)(x-1)^{2}}$$

Sequence: A310380
Score: 3.36921
Type of gen. func.: ogf

$$(x^{12}+3x^{11}+6x^{10}+4x^{9}+4x^{8}+6x^{7}+6x^{6}+6x^{5}+4x^{4}+4x^{3}+6x^{2}+3x+1)\Big/\left((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}\right)$$

Sequence: A310380
Score: 4.82304
Type of gen. func.: ogf

$$(x^{12}+3x^{11}+6x^{10}+4x^{9}+4x^{8}+6x^{7}+6x^{6}+6x^{5}+4x^{4}+4x^{3}+6x^{2}+3x+1)\Big/\left((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}\right)$$

Sequence: A310382
Score: 3.52277
Type of gen. func.: ogf

$$-(2x^{15}-2x^{13}+2x^{12}+2x^{11}-4x^{10}-2x^{9}+x^{8}-4x^{7}-13x^{6}-10x^{5}-8x^{4}-10x^{3}-9x^{2}-4x-1)\Big/\left((x^{2}+x+1)(x^{2}-x+1)(x-1)^{2}(x+1)^{2}\right)$$

Sequence: A310382
Score: 4.18980
Type of gen. func.: ogf

$$-(2 x^{15} - 2 x^{13} + 2 x^{12} + 2 x^{11} - 4 x^{10} - 2 x^{9} + x^{8} - 4 x^{7} - 13 x^{6} - 10 x^{5} - 8 x^{4} - 10 x^{3} - 9 x^{2} - 4 x - 1) / ((x^{2} + x + 1) (x^{2} - x + 1) (x - 1)^{2} (x + 1)^{2})$$

Sequence: A310385
Score: 3.55638
Type of gen. func.: ogf

$$-(2 x^{13} - 3 x^{12} - 2 x^{11} - 14 x^{10} - 10 x^{9} - 22 x^{8} - 26 x^{7} - 26 x^{6} - 26 x^{5} - 18 x^{4} - 14 x^{3} - 10 x^{2} - 4 x - 1) / ((x - 1)^{2} (x + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2})$$

Sequence: A310385
Score: 4.42870
Type of gen. func.: ogf

$$-(2 x^{13} - 3 x^{12} - 2 x^{11} - 14 x^{10} - 10 x^{9} - 22 x^{8} - 26 x^{7} - 26 x^{6} - 26 x^{5} - 18 x^{4} - 14 x^{3} - 10 x^{2} - 4 x - 1) / ((x - 1)^{2} (x + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2})$$

Sequence: A310387
Score: 3.68554
Type of gen. func.: ogf

$$-(2 x^{13} - 3 x^{12} - 2 x^{11} - 14 x^{10} - 12 x^{9} - 19 x^{8} - 20 x^{7} - 20 x^{6} - 22 x^{5} - 17 x^{4} - 14 x^{3} - 10 x^{2} - 4 x - 1) / ((x^{4} + 1) (x - 1)^{2} (x + 1)^{2}$$

$$(x^2 + 1)^2)$$

Sequence: A310387
Score: 4.19313
Type of gen. func.: ogf

$$-(2 x^{13} - 3 x^{12} - 2 x^{11} - 14 x^{10} - 12 x^9 - 19 x^8 - 20 x^7 - 20 x^6 - 22 x^5 - 17 x^4 - 14 x^3 - 10 x^2 - 4 x - 1) / ((x^4 + 1) (x - 1)^2 (x + 1)^2 (x^2 + 1)^2)$$

Sequence: A310389
Score: 4.04692
Type of gen. func.: ogf

$$-(2 x^{11} + x^{10} - 4 x^9 - 24 x^8 - 48 x^7 - 69 x^6 - 76 x^5 - 63 x^4 - 42 x^3 - 20 x^2 - 6 x - 1) / ((x^2 + 1) (x^2 + x + 1)^2 (x - 1)^2 (x + 1)^2)$$

Sequence: A310392
Score: 3.80629
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 10 x^{10} + 14 x^9 + 18 x^8 + 28 x^7 + 26 x^6 + 28 x^5 + 18 x^4 + 14 x^3 + 10 x^2 + 4 x + 1) / ((x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2)$$

Sequence: A310392
Score: 4.69443
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 10 x^{10} + 14 x^9 + 18 x^8 + 28 x^7 + 26 x^6 + 28 x^5 + 18 x^4 + 14 x^3 + 10 x^2 + 4 x + 1) / ((x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2)$$

Sequence: A310393
Score: 4.21839
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 6 x^8 + 3 x^7 + 2 x^6 - 2 x^5 + 2 x^4 + 3 x^3 + 6 x^2 + 3 x + 1}{(x^2 + 1) (x^2 + x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A310393
Score: 4.40410
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 6 x^8 + 3 x^7 + 2 x^6 - 2 x^5 + 2 x^4 + 3 x^3 + 6 x^2 + 3 x + 1}{(x^2 + 1) (x^2 + x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A310394
Score: 3.41586
Type of gen. func.: ogf

$$(x^{14} + 4 x^{13} + 10 x^{12} + 14 x^{11} + 19 x^{10} + 24 x^9 + 29 x^8 + 31 x^7 + 29 x^6 + 23 x^5 + 19 x^4 + 14 x^3 + 10 x^2 + 4 x + 1) \Big/ ((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A310394
Score: 4.11913
Type of gen. func.: ogf

$$(x^{14} + 4 x^{13} + 10 x^{12} + 14 x^{11} + 19 x^{10} + 24 x^9 + 29 x^8 + 31 x^7 + 29 x^6 + 23 x^5 + 19 x^4 + 14 x^3 + 10 x^2 + 4 x + 1) \Big/ ((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A310395
Score: 3.41586
Type of gen. func.: ogf

$$\frac{x^{14} + 4 x^{13} + 10 x^{12} + 14 x^{11} + 19 x^{10} + 24 x^{9} + 29 x^{8} + 30 x^{7} + 30 x^{6} + 23 x^{5} + 19 x^{4} + 14 x^{3} + 10 x^{2} + 4 x + 1}{(x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2}}$$

Sequence: A310395
Score: 4.11913
Type of gen. func.: ogf

$$\frac{x^{14} + 4 x^{13} + 10 x^{12} + 14 x^{11} + 19 x^{10} + 24 x^{9} + 29 x^{8} + 30 x^{7} + 30 x^{6} + 23 x^{5} + 19 x^{4} + 14 x^{3} + 10 x^{2} + 4 x + 1}{(x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2}}$$

Sequence: A310396
Score: 3.36921
Type of gen. func.: ogf

$$\frac{x^{12} + 3 x^{11} + 6 x^{10} + 4 x^{9} + 5 x^{8} + 5 x^{7} + 4 x^{6} + 5 x^{5} + 5 x^{4} + 4 x^{3} + 6 x^{2} + 3 x + 1}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A310396
Score: 4.82304
Type of gen. func.: ogf

$$\frac{x^{12} + 3 x^{11} + 6 x^{10} + 4 x^{9} + 5 x^{8} + 5 x^{7} + 4 x^{6} + 5 x^{5} + 5 x^{4} + 4 x^{3} + 6 x^{2} + 3 x + 1}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A310397
Score: 5.29447
Type of gen. func.: ogf

$$\frac{x^8 + 2 x^7 + 4 x^6 + 5 x^4 + 4 x^2 + 2 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A310397
Score: 6.70633
Type of gen. func.: ogf

$$\frac{x^8 + 2 x^7 + 4 x^6 + 5 x^4 + 4 x^2 + 2 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A310398
Score: 3.89041
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^8 + x^7 + 2 x^6 - 3 x^5 + 6 x^4 - 3 x^3 + 2 x^2 + x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A310398
Score: 4.42870
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^8 + x^7 + 2 x^6 - 3 x^5 + 6 x^4 - 3 x^3 + 2 x^2 + x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A310400
Score: 4.24195
Type of gen. func.: ogf

```
10      9      8      7      6    5      4      3      2
```

$$\frac{x + 3x + 6x + 3x + 2x - x + 2x + 3x + 6x + 3x + 1}{(x^2 + 1)(x^2 + x + 1)(x^4 - x^2 + 1)(x - 1)^2}$$

Sequence: A310400
Score: 4.42870
Type of gen. func.: ogf

$$\frac{x^{10} + 3x^9 + 6x^8 + 3x^7 + 2x^6 - x^5 + 2x^4 + 3x^3 + 6x^2 + 3x + 1}{(x^2 + 1)(x^2 + x + 1)(x^4 - x^2 + 1)(x - 1)^2}$$

Sequence: A310404
Score: 3.36921
Type of gen. func.: ogf

$$(x^{12} + 3x^{11} + 6x^{10} + 4x^9 + 5x^8 + 6x^7 + 4x^6 + 6x^5 + 5x^4 + 4x^3 + 6x^2 + 3x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2)$$

Sequence: A310404
Score: 4.82304
Type of gen. func.: ogf

$$(x^{12} + 3x^{11} + 6x^{10} + 4x^9 + 5x^8 + 6x^7 + 4x^6 + 6x^5 + 5x^4 + 4x^3 + 6x^2 + 3x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2)$$

Sequence: A310405
Score: 6.05193
Type of gen. func.: ogf

$$\frac{x^8 + 3x^7 + 5x^6 - 3x^4 + 5x^2 + 3x + 1}{{}^{2} \qquad {}^{4} \quad {}^{2} \qquad {}^{2}}$$

$$(x + x + 1) (x - x + 1) (x - 1)$$

Sequence: A310408
Score: 3.36921
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 6 x^{10} + 4 x^9 + 6 x^8 + 4 x^7 + 4 x^6 + 4 x^5 + 6 x^4 + 4 x^3 + 6 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A310408
Score: 4.82304
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 6 x^{10} + 4 x^9 + 6 x^8 + 4 x^7 + 4 x^6 + 4 x^5 + 6 x^4 + 4 x^3 + 6 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A310409
Score: 6.46022
Type of gen. func.: ogf

$$\frac{x^6 + 3 x^5 + 6 x^4 + 4 x^3 + 6 x^2 + 3 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A310409
Score: 7.57166
Type of gen. func.: ogf

$$\frac{x^6 + 3 x^5 + 6 x^4 + 4 x^3 + 6 x^2 + 3 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A310410
Score: 3.74555
Type of gen. func.: ogf

$$\frac{x^{12} + 2 x^{11} + 4 x^{10} + 6 x^{8} - 2 x^{7} + 7 x^{6} - 2 x^{5} + 6 x^{4} + 4 x^{2} + 2 x + 1}{(x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A310411
Score: 4.99407
Type of gen. func.: ogf

$$\frac{x^{8} + 3 x^{7} + 6 x^{6} + 4 x^{5} + 6 x^{4} + 4 x^{3} + 6 x^{2} + 3 x + 1}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A310411
Score: 6.46022
Type of gen. func.: ogf

$$\frac{x^{8} + 3 x^{7} + 6 x^{6} + 4 x^{5} + 6 x^{4} + 4 x^{3} + 6 x^{2} + 3 x + 1}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A310412
Score: 4.69443
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^{9} + 6 x^{8} + 4 x^{7} + 6 x^{6} + 4 x^{5} + 6 x^{4} + 4 x^{3} + 6 x^{2} + 3 x + 1}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A310412
Score: 5.54460
Type of gen. func.: ogf

$$x^{10} + 3 x^{9} + 6 x^{8} + 4 x^{7} + 6 x^{6} + 4 x^{5} + 6 x^{4} + 4 x^{3} + 6 x^{2} + 3 x + 1$$

$$(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2$$

Sequence: A310413
Score: 3.36921
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 6 x^{10} + 4 x^9 + 6 x^8 + 4 x^7 + 6 x^6 + 4 x^5 + 6 x^4 + 4 x^3 + 6 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A310413
Score: 4.82304
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 6 x^{10} + 4 x^9 + 6 x^8 + 4 x^7 + 6 x^6 + 4 x^5 + 6 x^4 + 4 x^3 + 6 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A310416
Score: 6.26616
Type of gen. func.: ogf

$$- \frac{2 x^7 - 2 x^6 - x^5 - 5 x^4 - 4 x^3 - 6 x^2 - 3 x - 1}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A310416
Score: 7.01065
Type of gen. func.: ogf

$$- \frac{2 x^7 - 2 x^6 - x^5 - 5 x^4 - 4 x^3 - 6 x^2 - 3 x - 1}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A310418
Score: 4.51387
Type of gen. func.: ogf

$$-\frac{2 x^9 - 3 x^8 - 4 x^7 - 9 x^6 - 12 x^5 - 10 x^4 - 10 x^3 - 9 x^2 - 4 x - 1}{(x^2 + x + 1) (x^2 - x + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A310418
Score: 5.67874
Type of gen. func.: ogf

$$-\frac{2 x^9 - 3 x^8 - 4 x^7 - 9 x^6 - 12 x^5 - 10 x^4 - 10 x^3 - 9 x^2 - 4 x - 1}{(x^2 + x + 1) (x^2 - x + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A310419
Score: 6.49611
Type of gen. func.: ogf

$$\frac{x^6 + 2 x^5 + 3 x^4 - 2 x^3 + 3 x^2 + 2 x + 1}{(x - 1)^2 (x^4 + 1)}$$

Sequence: A310419
Score: 7.95591
Type of gen. func.: ogf

$$\frac{x^6 + 2 x^5 + 3 x^4 - 2 x^3 + 3 x^2 + 2 x + 1}{(x - 1)^2 (x^4 + 1)}$$

Sequence: A310420
Score: 3.38792
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 6 x^{10} + 4 x^9 + 6 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 6 x^4 + 4 x^3 + 6 x^2$$

$$+ 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A310420
Score: 4.84984
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 6 x^{10} + 4 x^9 + 6 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 6 x^4 + 4 x^3 + 6 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A310421
Score: 4.72051
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 6 x^8 + 4 x^7 + 6 x^6 + 6 x^5 + 6 x^4 + 4 x^3 + 6 x^2 + 3 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A310421
Score: 5.57540
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 6 x^8 + 4 x^7 + 6 x^6 + 6 x^5 + 6 x^4 + 4 x^3 + 6 x^2 + 3 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A310422
Score: 4.47791
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^9 + 4 x^8 + 6 x^6 + 6 x^4 + 4 x^2 + 2 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A310422
Score: 4.6233
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^{9} + 4 x^{8} + 6 x^{6} + 6 x^{4} + 4 x^{2} + 2 x + 1}{(x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A310423
Score: 3.40664
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 6 x^{10} + 4 x^{9} + 6 x^{8} + 6 x^{7} + 6 x^{6} + 6 x^{5} + 6 x^{4} + 4 x^{3} + 6 x^{2} + 3 x + 1) \Big/ ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A310423
Score: 4.87663
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 6 x^{10} + 4 x^{9} + 6 x^{8} + 6 x^{7} + 6 x^{6} + 6 x^{5} + 6 x^{4} + 4 x^{3} + 6 x^{2} + 3 x + 1) \Big/ ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A310424
Score: 4.53895
Type of gen. func.: ogf

$$- (2 x^{9} - 3 x^{8} - 4 x^{7} - 9 x^{6} - 12 x^{5} - 13 x^{4} - 10 x^{3} - 9 x^{2} - 4 x - 1) (x^{2} + 1) \Big/ ((x - 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A310424
Score: 5.09407
Type of gen. func.: ogf

$$-(2x^9-3x^8-4x^7-9x^6-12x^5-13x^4-10x^3-9x^2-4x-1)(x^2+1)\Big/\left((x-1)^2(x^4+x^3+x^2+x+1)^2\right)$$

Sequence: A310427
Score: 3.41586
Type of gen. func.: ogf

$$(x^{14}+4x^{13}+10x^{12}+15x^{11}+18x^{10}+24x^9+29x^8+31x^7+29x^6+24x^5+17x^4+15x^3+10x^2+4x+1)\Big/\left((x-1)^2(x^6+x^5+x^4+x^3+x^2+x+1)^2\right)$$

Sequence: A310427
Score: 4.11913
Type of gen. func.: ogf

$$(x^{14}+4x^{13}+10x^{12}+15x^{11}+18x^{10}+24x^9+29x^8+31x^7+29x^6+24x^5+17x^4+15x^3+10x^2+4x+1)\Big/\left((x-1)^2(x^6+x^5+x^4+x^3+x^2+x+1)^2\right)$$

Sequence: A310428
Score: 3.46659
Type of gen. func.: ogf

$$(x+1)(x^{13}+3x^{12}+7x^{11}+8x^{10}+10x^9+14x^8+15x^7+15x^6+15x^5+9x^4+8x^3+7x^2+3x+1)\Big/\left((x-1)^2(x^6+x^5+x^4+x^3+x^2+x+1)^2\right)$$

Sequence: A310428
Score: 4.11913
Type of gen. func.: ogf

$$(x + 1) (x^{13} + 3 x^{12} + 7 x^{11} + 8 x^{10} + 10 x^9 + 14 x^8 + 15 x^7 + 15 x^6 + 15 x^5 + 9 x^4 + 8 x^3 + 7 x^2 + 3 x + 1) / ((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A310430
Score: 5.98506
Type of gen. func.: ogf

$$\frac{x^6 + 2 x^5 + 5 x^4 + 3 x^3 + 5 x^2 + 2 x + 1}{(x - 1)^2 (x^2 + 1)^2}$$

Sequence: A310430
Score: 7.868
Type of gen. func.: ogf

$$\frac{x^6 + 2 x^5 + 5 x^4 + 3 x^3 + 5 x^2 + 2 x + 1}{(x - 1)^2 (x^2 + 1)^2}$$

Sequence: A310432
Score: 3.45178
Type of gen. func.: ogf

$$- (x^{18} - x^{15} + x^{14} - x^{11} + x^{10} - 2 x^9 - 5 x^8 - 12 x^7 - 13 x^6 - 14 x^5 - 14 x^4 - 14 x^3 - 10 x^2 - 4 x - 1) / ((x + 1) (x^2 - x + 1) (x - 1)^2 (x^2 + x + 1)^2)$$

Sequence: A310432
Score: 4.09398
Type of gen. func.: ogf

$$-(x^{18} - x^{15} + x^{14} - x^{11} + x^{10} - 2 x^9 - 5 x^8 - 12 x^7 - 13 x^6 - 14 x^5 - 14 x^4 - 14 x^3 - 10 x^2 - 4 x - 1) / ((x + 1) (x^2 - x + 1) (x - 1)^2 (x^2 + x + 1)^2)$$

Sequence: A310435
Score: 3.78583
Type of gen. func.: ogf

$$-(x^{14} - x^{11} + x^{10} - 2 x^9 - 4 x^8 - 12 x^7 - 13 x^6 - 15 x^5 - 14 x^4 - 14 x^3 - 10 x^2 - 4 x - 1) / ((x + 1) (x^2 - x + 1) (x - 1)^2 (x^2 + x + 1)^2)$$

Sequence: A310435
Score: 4.57249
Type of gen. func.: ogf

$$-(x^{14} - x^{11} + x^{10} - 2 x^9 - 4 x^8 - 12 x^7 - 13 x^6 - 15 x^5 - 14 x^4 - 14 x^3 - 10 x^2 - 4 x - 1) / ((x + 1) (x^2 - x + 1) (x - 1)^2 (x^2 + x + 1)^2)$$

Sequence: A310438
Score: 3.36921
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 6 x^{10} + 5 x^9 + 4 x^8 + 4 x^7 + 6 x^6 + 4 x^5 + 4 x^4 + 5 x^3 + 6 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A310438
Score: 4.82304
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 6 x^{10} + 5 x^9 + 4 x^8 + 4 x^7 + 6 x^6 + 4 x^5 + 4 x^4 + 5 x^3 + 6 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A310439
Score: 3.95598
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^9 + 4 x^8 + x^7 + 3 x^6 + 2 x^5 + 3 x^4 + x^3 + 4 x^2 + 2 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A310440
Score: 6.01850
Type of gen. func.: ogf

$$\frac{x^6 + 3 x^5 + 7 x^4 + 7 x^3 + 7 x^2 + 3 x + 1}{(x^2 + x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A310440
Score: 6.46022
Type of gen. func.: ogf

$$\frac{x^6 + 3 x^5 + 7 x^4 + 7 x^3 + 7 x^2 + 3 x + 1}{(x^2 + x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A310441
Score: 4.99407
Type of gen. func.: ogf

8   7   6   5   4   3   2

$$\frac{x + 3 x + 6 x + 5 x + 4 x + 5 x + 6 x + 3 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A310441
Score: 6.46022
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + 6 x^6 + 5 x^5 + 4 x^4 + 5 x^3 + 6 x^2 + 3 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A310442
Score: 3.6111
Type of gen. func.: ogf

$$\frac{(x^{10} + 2 x^9 + 3 x^8 + x^6 + 4 x^5 + x^4 + 3 x^2 + 2 x + 1) (x^2 + x + 1)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A310442
Score: 4.82304
Type of gen. func.: ogf

$$\frac{(x^{10} + 2 x^9 + 3 x^8 + x^6 + 4 x^5 + x^4 + 3 x^2 + 2 x + 1) (x^2 + x + 1)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A310444
Score: 4.48149
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 6 x^8 + 4 x^7 + x^6 + x^4 + 4 x^3 + 6 x^2 + 3 x + 1}{(x^2 + 1) (x^2 + x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A310444
Score: 4.68925

Type of gen. func.: ogf

$$\frac{x^{10}+3x^{9}+6x^{8}+4x^{7}+x^{6}+x^{4}+4x^{3}+6x^{2}+3x+1}{(x^{2}+1)(x^{2}+x+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A310446
Score: 6.05193
Type of gen. func.: ogf

$$\frac{x^{6}+x^{5}+2x^{4}-3x^{3}+2x^{2}+x+1}{(x^{4}-x^{3}+x^{2}-x+1)(x-1)^{2}}$$

Sequence: A310446
Score: 6.49611
Type of gen. func.: ogf

$$\frac{x^{6}+x^{5}+2x^{4}-3x^{3}+2x^{2}+x+1}{(x^{4}-x^{3}+x^{2}-x+1)(x-1)^{2}}$$

Sequence: A310452
Score: 3.74555
Type of gen. func.: ogf

$$\frac{x^{12}+2x^{11}+4x^{10}+x^{9}+4x^{8}+5x^{6}+4x^{4}+x^{3}+4x^{2}+2x+1}{(x^{2}+1)(x^{2}+x+1)(x^{2}-x+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A310454
Score: 4.99407
Type of gen. func.: ogf

$$\frac{(x^{2}+1)(x^{8}+3x^{7}+5x^{6}+2x^{5}+2x^{3}+5x^{2}+3x+1)}{(x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2}}$$

Sequence: A310454
Score: 5.54460
Type of gen. func.: ogf

$$\frac{(x^2+1)(x^8+3x^7+5x^6+2x^5+2x^3+5x^2+3x+1)}{(x^2+x+1)(x^6+x^3+1)(x-1)^2}$$

Sequence: A310455
Score: 3.6111
Type of gen. func.: ogf

$$\frac{(x^2+x+1)(x^{10}+2x^9+3x^8+2x^6+2x^5+2x^4+3x^2+2x+1)}{(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A310455
Score: 4.82304
Type of gen. func.: ogf

$$\frac{(x^2+x+1)(x^{10}+2x^9+3x^8+2x^6+2x^5+2x^4+3x^2+2x+1)}{(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A310456
Score: 3.36921
Type of gen. func.: ogf

$$(x^{12}+3x^{11}+6x^{10}+5x^9+5x^8+5x^7+4x^6+5x^5+5x^4+5x^3+6x^2+3x+1)\Big/\left((x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2\right)$$

Sequence: A310456
Score: 4.82304
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 6 x^{10} + 5 x^{9} + 5 x^{8} + 5 x^{7} + 4 x^{6} + 5 x^{5} + 5 x^{4} + 5 x^{3} + 6 x^{2} + 3 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A310457
Score: 3.47096
Type of gen. func.: ogf

$$(x^{12} + 2 x^{11} + 4 x^{10} + x^{9} + 4 x^{8} + x^{7} + 4 x^{6} + x^{5} + 4 x^{4} + x^{3} + 4 x^{2} + 2 x + 1) / ((x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2})$$

Sequence: A310458
Score: 4.75219
Type of gen. func.: ogf

$$\frac{x^{8} + 2 x^{7} + 4 x^{6} + x^{5} + 4 x^{4} + x^{3} + 4 x^{2} + 2 x + 1}{(x^{4} + 1) (x^{2} + 1) (x - 1)^{2}}$$

Sequence: A310458
Score: 5.85187
Type of gen. func.: ogf

$$\frac{x^{8} + 2 x^{7} + 4 x^{6} + x^{5} + 4 x^{4} + x^{3} + 4 x^{2} + 2 x + 1}{(x^{4} + 1) (x^{2} + 1) (x - 1)^{2}}$$

Sequence: A310459
Score: 4.26552
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^{9} + 6 x^{8} + 4 x^{7} + 2 x^{6} - x^{5} + 2 x^{4} + 4 x^{3} + 6 x^{2} + 3 x + 1}{(x^{2} + 1) (x^{2} + x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A310459
Score: 4.45331
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^{9} + 6 x^{8} + 4 x^{7} + 2 x^{6} - x^{5} + 2 x^{4} + 4 x^{3} + 6 x^{2} + 3 x + 1}{(x^{2} + 1) (x^{2} + x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A310461
Score: 6.05193
Type of gen. func.: ogf

$$\frac{x^{6} + 2 x^{5} + 4 x^{4} + x^{3} + 4 x^{2} + 2 x + 1}{(x^{2} + x + 1) (x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A310461
Score: 6.26616
Type of gen. func.: ogf

$$\frac{x^{6} + 2 x^{5} + 4 x^{4} + x^{3} + 4 x^{2} + 2 x + 1}{(x^{2} + x + 1) (x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A310462
Score: 4.72051
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^{9} + 6 x^{8} + 5 x^{7} + 5 x^{6} + 6 x^{5} + 5 x^{4} + 5 x^{3} + 6 x^{2} + 3 x + 1}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A310462
Score: 5.57540
Type of gen. func.: ogf

$$x^{10} + 3 x^{9} + 6 x^{8} + 5 x^{7} + 5 x^{6} + 6 x^{5} + 5 x^{4} + 5 x^{3} + 6 x^{2} + 3 x + 1$$

$$\overline{(x^2 + x + 1)\,(x^6 + x^3 + 1)\,(x - 1)^2}$$

Sequence: A310464
Score: 3.99993
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^9 + 4 x^8 + x^7 + 4 x^6 + 2 x^5 + 4 x^4 + x^3 + 4 x^2 + 2 x + 1}{(x^4 + x^3 + x^2 + x + 1)\,(x^4 - x^3 + x^2 - x + 1)\,(x - 1)^2}$$

Sequence: A310465
Score: 3.40664
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 6 x^{10} + 5 x^9 + 5 x^8 + 6 x^7 + 6 x^6 + 6 x^5 + 5 x^4 + 5 x^3 + 6 x^2 + 3 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2)$$

Sequence: A310465
Score: 4.87663
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 6 x^{10} + 5 x^9 + 5 x^8 + 6 x^7 + 6 x^6 + 6 x^5 + 5 x^4 + 5 x^3 + 6 x^2 + 3 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2)$$

Sequence: A310466
Score: 4.50625
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 6 x^8 + 4 x^7 + 2 x^6 + 2 x^4 + 4 x^3 + 6 x^2 + 3 x + 1}{(x^2 + 1)\,(x^2 + x + 1)\,(x^4 - x^2 + 1)\,(x - 1)^2}$$

Sequence: A310466
Score: 4.71515
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 6 x^8 + 4 x^7 + 2 x^6 + 2 x^4 + 4 x^3 + 6 x^2 + 3 x + 1}{(x^2 + 1) (x^2 + x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A310468
Score: 4.24195
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 6 x^8 + 4 x^7 + 3 x^6 - 4 x^5 + 3 x^4 + 4 x^3 + 6 x^2 + 3 x + 1}{(x^2 + 1) (x^2 + x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A310468
Score: 4.42870
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 6 x^8 + 4 x^7 + 3 x^6 - 4 x^5 + 3 x^4 + 4 x^3 + 6 x^2 + 3 x + 1}{(x^2 + 1) (x^2 + x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A310469
Score: 6.49611
Type of gen. func.: ogf

$$\frac{x^6 + 3 x^5 + 6 x^4 + 5 x^3 + 6 x^2 + 3 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A310469
Score: 7.61372
Type of gen. func.: ogf

6 5 4 3 2

```
                    x  + 3 x  + 6 x  + 5 x  + 6 x  + 3 x + 1
                    ----------------------------------------
                          4    3    2                2
                        (x  + x  + x  + x + 1) (x - 1)
```

Sequence: A310470
Score: 4.02379
Type of gen. func.: ogf

```
        10    9      8      7      6      5      4      3      2
       x   + x  + 2 x  - 2 x  + 5 x  - 4 x  + 5 x  - 2 x  + 2 x  + x + 1
       -----------------------------------------------------------------
                   2        2            4    2             2
                 (x  + 1) (x  - x + 1) (x  - x  + 1) (x - 1)
```

Sequence: A310470
Score: 4.24195
Type of gen. func.: ogf

```
        10    9      8      7      6      5      4      3      2
       x   + x  + 2 x  - 2 x  + 5 x  - 4 x  + 5 x  - 2 x  + 2 x  + x + 1
       -----------------------------------------------------------------
                   2        2            4    2             2
                 (x  + 1) (x  - x + 1) (x  - x  + 1) (x - 1)
```

Sequence: A310471
Score: 3.38792
Type of gen. func.: ogf

```
  12      11      10      9      8      7      6      5      4      3      2
(x   + 3 x   + 6 x   + 5 x  + 6 x  + 5 x  + 4 x  + 5 x  + 6 x  + 5 x  + 6 x

                  /    10    9    8    7    6    5    4    3    2
     + 3 x + 1)  /  ((x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1)
                /

           2
    (x - 1) )
```

Sequence: A310471
Score: 4.84984
Type of gen. func.: ogf

```
  12      11      10      9      8      7      6      5      4      3      2
(x   + 3 x   + 6 x   + 5 x  + 6 x  + 5 x  + 4 x  + 5 x  + 6 x  + 5 x  + 6 x

                  /    10    9    8    7    6    5    4    3    2
     + 3 x + 1)  /  ((x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1)
                /

           2
```

$(x - 1))$

Sequence: A310472
Score: 3.76636
Type of gen. func.: ogf

$$\frac{x^{12} + 2 x^{11} + 4 x^{10} + x^{9} + 5 x^{8} + 5 x^{6} + 5 x^{4} + x^{3} + 4 x^{2} + 2 x + 1}{(x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A310480
Score: 4.18817
Type of gen. func.: ogf

$$- (2 x^{13} + 2 x^{12} + 2 x^{11} - 2 x^{10} - 2 x^{9} - 5 x^{8} - 6 x^{7} - 12 x^{6} - 16 x^{5} - 16 x^{4} - 16 x^{3} - 10 x^{2} - 4 x - 1) \Big/ ((x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2})$$

Sequence: A310480
Score: 4.62330
Type of gen. func.: ogf

$$- (2 x^{13} + 2 x^{12} + 2 x^{11} - 2 x^{10} - 2 x^{9} - 5 x^{8} - 6 x^{7} - 12 x^{6} - 16 x^{5} - 16 x^{4} - 16 x^{3} - 10 x^{2} - 4 x - 1) \Big/ ((x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2})$$

Sequence: A310485
Score: 3.57614
Type of gen. func.: ogf

$$- (2 x^{13} - 3 x^{12} - 2 x^{11} - 14 x^{10} - 12 x^{9} - 22 x^{8} - 26 x^{7} - 24 x^{6} - 26 x^{5} - 18 x^{4} - 16 x^{3} - 10 x^{2} - 4 x - 1) \Big/ ((x - 1)^{2} (x + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2})$$

Sequence: A310485
Score: 4.45331
Type of gen. func.: ogf

$$-(2x^{13}-3x^{12}-2x^{11}-14x^{10}-12x^{9}-22x^{8}-26x^{7}-24x^{6}-26x^{5}-18x^{4}-16x^{3}-10x^{2}-4x-1)\Big/\left((x-1)^{2}(x+1)^{2}(x^{2}+x+1)^{2}(x^{2}-x+1)^{2}\right)$$

Sequence: A310491
Score: 3.46879
Type of gen. func.: ogf

$$\frac{(x^{10}+x^{9}+3x^{8}-x^{7}+3x^{6}-x^{5}+3x^{4}-x^{3}+3x^{2}+x+1)(x+1)^{2}}{(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A310491
Score: 4.82304
Type of gen. func.: ogf

$$\frac{(x^{10}+x^{9}+3x^{8}-x^{7}+3x^{6}-x^{5}+3x^{4}-x^{3}+3x^{2}+x+1)(x+1)^{2}}{(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A310492
Score: 3.95598
Type of gen. func.: ogf

$$\frac{x^{10}+2x^{9}+4x^{8}+2x^{7}+2x^{6}+2x^{5}+2x^{4}+2x^{3}+4x^{2}+2x+1}{(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)(x-1)^{2}}$$

Sequence: A310493
Score: 4.8563
Type of gen. func.: ogf

```
             8    7      6    5      4    3      2                 2
```

$$\frac{(x + x + 3 x - x + 3 x - x + 3 x + x + 1) (x + 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A310493
Score: 5.54460
Type of gen. func.: ogf

$$\frac{(x^8 + x^7 + 3 x^6 - x^5 + 3 x^4 - x^3 + 3 x^2 + x + 1) (x + 1)^2}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A310494
Score: 3.84824
Type of gen. func.: ogf

$$- (2 x^{12} - x^{11} - 5 x^{10} - 16 x^9 - 26 x^8 - 40 x^7 - 42 x^6 - 42 x^5 - 36 x^4 - 26 x^3 - 14 x^2 - 5 x - 1) / ((x + 1) (x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A310494
Score: 4.16515
Type of gen. func.: ogf

$$- (2 x^{12} - x^{11} - 5 x^{10} - 16 x^9 - 26 x^8 - 40 x^7 - 42 x^6 - 42 x^5 - 36 x^4 - 26 x^3 - 14 x^2 - 5 x - 1) / ((x + 1) (x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A310495
Score: 2.94629
Type of gen. func.: ogf

$$(x^{12} + x^{11} + 3 x^{10} - x^9 + 3 x^8 - x^7 + 4 x^6 - x^5 + 3 x^4 - x^3 + 3 x^2 + x + 1) (x + 1)^2 / ((x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A310495
Score: 4.29368
Type of gen. func.: ogf

$$(x^{12} + x^{11} + 3 x^{10} - x^{9} + 3 x^{8} - x^{7} + 4 x^{6} - x^{5} + 3 x^{4} - x^{3} + 3 x^{2} + x + 1)$$

$$(x + 1)^{2} / ((x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A310496
Score: 3.36921
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 6 x^{10} + 6 x^{9} + 4 x^{8} + 4 x^{7} + 6 x^{6} + 4 x^{5} + 4 x^{4} + 6 x^{3} + 6 x^{2}$$

$$+ 3 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)$$

$$(x - 1)^{2})$$

Sequence: A310496
Score: 4.82304
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 6 x^{10} + 6 x^{9} + 4 x^{8} + 4 x^{7} + 6 x^{6} + 4 x^{5} + 4 x^{4} + 6 x^{3} + 6 x^{2}$$

$$+ 3 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)$$

$$(x - 1)^{2})$$

Sequence: A310498
Score: 4.75219
Type of gen. func.: ogf

$$-(f(x) - 3) (f(x) x^{4} - 2 f(x) x^{3} - x^{4} + 2 f(x) x^{2} - 2 x^{3} - 2 f(x) x - 4 x^{2}$$

$$+ f(x) - 2 x - 1)$$

Sequence: A310498
Score: 8.33031
Type of gen. func.: ogf

$$\frac{x^4 + 2 x^3 + 4 x^2 + 2 x + 1}{(x^2 + 1) (x - 1)^2}$$

Sequence: A310498
Score: 9.69967
Type of gen. func.: ogf

$$\frac{x^4 + 2 x^3 + 4 x^2 + 2 x + 1}{(x^2 + 1) (x - 1)^2}$$

Sequence: A310499
Score: 3.63116
Type of gen. func.: ogf

$$\frac{(x^{10} + x^9 + 3 x^8 - x^7 + 3 x^6 + 3 x^4 - x^3 + 3 x^2 + x + 1) (x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A310499
Score: 4.84984
Type of gen. func.: ogf

$$\frac{(x^{10} + x^9 + 3 x^8 - x^7 + 3 x^6 + 3 x^4 - x^3 + 3 x^2 + x + 1) (x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A310500
Score: 4.00043
Type of gen. func.: ogf

$$- (2 x^{14} - 3 x^{13} - 2 x^{12} - 10 x^{11} - 18 x^{10} - 22 x^9 - 25 x^8 - 26 x^7 - 24 x^6$$

$$- 25 x^5 - 20 x^4 - 16 x^3 - 10 x^2 - 4 x - 1) / ((x + 1) (x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x - 1)^2)$$

Sequence: A310501
Score: 3.38792
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 6 x^{10} + 6 x^9 + 4 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 4 x^4 + 6 x^3 + 6 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A310501
Score: 4.84984
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 6 x^{10} + 6 x^9 + 4 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 4 x^4 + 6 x^3 + 6 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A310502
Score: 4.75219
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^8 + 3 x^7 + 5 x^6 + 3 x^5 - x^4 + 3 x^3 + 5 x^2 + 3 x + 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A310502
Score: 5.57540
Type of gen. func.: ogf

2 8 7 6 5 4 3 2

$$\frac{(x + 1) (x + 3 x + 5 x + 3 x - x + 3 x + 5 x + 3 x + 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A310503
Score: 5.16844
Type of gen. func.: ogf

$$\frac{(x^6 + x^5 + 3 x^4 - x^3 + 3 x^2 + x + 1) (x + 1)^2}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A310503
Score: 6.49611
Type of gen. func.: ogf

$$\frac{(x^6 + x^5 + 3 x^4 - x^3 + 3 x^2 + x + 1) (x + 1)^2}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A310504
Score: 3.99993
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^9 + 4 x^8 + 2 x^7 + 2 x^6 + 4 x^5 + 2 x^4 + 2 x^3 + 4 x^2 + 2 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A310505
Score: 3.40664
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 6 x^{10} + 6 x^9 + 4 x^8 + 6 x^7 + 6 x^6 + 6 x^5 + 4 x^4 + 6 x^3 + 6 x^2 + 3 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A310505
Score: 4.87663
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 6 x^{10} + 6 x^9 + 4 x^8 + 6 x^7 + 6 x^6 + 6 x^5 + 4 x^4 + 6 x^3 + 6 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A310508
Score: 5.41665
Type of gen. func.: ogf

$$\frac{(x^6 + 2 x^5 + 3 x^4 + 2 x^3 + 3 x^2 + 2 x + 1) (x^2 + x + 1)^2}{(x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2}$$

Sequence: A310508
Score: 5.45864
Type of gen. func.: ogf

$$\frac{(x^6 + 2 x^5 + 3 x^4 + 2 x^3 + 3 x^2 + 2 x + 1) (x^2 + x + 1)^2}{(x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2}$$

Sequence: A310509
Score: 4.72051
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 6 x^8 + 6 x^7 + 5 x^6 + 4 x^5 + 5 x^4 + 6 x^3 + 6 x^2 + 3 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A310509
Score: 5.57540
Type of gen. func.: ogf

$$\frac{x^{10}+3x^{9}+6x^{8}+6x^{7}+5x^{6}+4x^{5}+5x^{4}+6x^{3}+6x^{2}+3x+1}{(x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2}}$$

Sequence: A310510
Score: 3.37179
Type of gen. func.: ogf

$$-(x^{14}-3x^{13}+5x^{12}-5x^{11}+x^{10}+x^{9}-8x^{8}+5x^{7}-8x^{6}+x^{5}-5x^{4}-3x^{2}-x-1)(x+1)^{2}\Big/\left((x^{4}+x^{3}+x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2}\right)$$

Sequence: A310511
Score: 4.75219
Type of gen. func.: ogf

$$\frac{x^{8}+2x^{7}+5x^{6}+4x^{5}+7x^{4}+4x^{3}+5x^{2}+2x+1}{(x^{2}+1)(x^{2}+x+1)(x^{2}-x+1)(x-1)^{2}}$$

Sequence: A310511
Score: 4.88328
Type of gen. func.: ogf

$$\frac{x^{8}+2x^{7}+5x^{6}+4x^{5}+7x^{4}+4x^{3}+5x^{2}+2x+1}{(x^{2}+1)(x^{2}+x+1)(x^{2}-x+1)(x-1)^{2}}$$

Sequence: A310512
Score: 3.99993
Type of gen. func.: ogf

$$\frac{x^{10}+2x^{9}+4x^{8}+2x^{7}+3x^{6}+2x^{5}+3x^{4}+2x^{3}+4x^{2}+2x+1}{(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)(x-1)^{2}}$$

Sequence: A310513
Score: 3.40664
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 6 x^{10} + 6 x^{9} + 5 x^{8} + 5 x^{7} + 6 x^{6} + 5 x^{5} + 5 x^{4} + 6 x^{3} + 6 x^{2} + 3 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A310513
Score: 4.87663
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 6 x^{10} + 6 x^{9} + 5 x^{8} + 5 x^{7} + 6 x^{6} + 5 x^{5} + 5 x^{4} + 6 x^{3} + 6 x^{2} + 3 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A310516
Score: 4.23998
Type of gen. func.: ogf

$$- (2 x^{11} - 3 x^{10} - 4 x^{9} - 9 x^{8} - 14 x^{7} - 10 x^{6} - 8 x^{5} - 12 x^{4} - 12 x^{3} - 9 x^{2} - 4 x - 1) / ((x^{2} + 1) (x^{4} + 1) (x - 1)^{2} (x + 1)^{2})$$

Sequence: A310516
Score: 4.91719
Type of gen. func.: ogf

$$- (2 x^{11} - 3 x^{10} - 4 x^{9} - 9 x^{8} - 14 x^{7} - 10 x^{6} - 8 x^{5} - 12 x^{4} - 12 x^{3} - 9 x^{2} - 4 x - 1) / ((x^{2} + 1) (x^{4} + 1) (x - 1)^{2} (x + 1)^{2})$$

Sequence: A310517
Score: 3.38792
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 6 x^{10} + 6 x^9 + 6 x^8 + 4 x^7 + 4 x^6 + 4 x^5 + 6 x^4 + 6 x^3 + 6 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A310517
Score: 4.84984
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 6 x^{10} + 6 x^9 + 6 x^8 + 4 x^7 + 4 x^6 + 4 x^5 + 6 x^4 + 6 x^3 + 6 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A310518
Score: 6.532
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^4 + 3 x^3 + 5 x^2 + 3 x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A310518
Score: 7.65578
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^4 + 3 x^3 + 5 x^2 + 3 x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A310519

Score: 3.39042
Type of gen. func.: ogf

$$-(x^{14}-2x^{13}+2x^{12}-x^{11}-x^{10}-x^{9}-4x^{8}+2x^{7}-8x^{6}+3x^{5}-6x^{4}-3x^{2}-x-1)(x+1)^{2}\Big/\left((x^{4}+x^{3}+x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2}\right)$$

Sequence: A310520
Score: 3.40664
Type of gen. func.: ogf

$$(x^{12}+3x^{11}+6x^{10}+6x^{9}+6x^{8}+4x^{7}+6x^{6}+4x^{5}+6x^{4}+6x^{3}+6x^{2}+3x+1)\Big/\left((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}\right)$$

Sequence: A310520
Score: 4.87663
Type of gen. func.: ogf

$$(x^{12}+3x^{11}+6x^{10}+6x^{9}+6x^{8}+4x^{7}+6x^{6}+4x^{5}+6x^{4}+6x^{3}+6x^{2}+3x+1)\Big/\left((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}\right)$$

Sequence: A310521
Score: 4.77844
Type of gen. func.: ogf

$$\frac{x^{8}+2x^{7}+3x^{6}+x^{5}+2x^{4}+x^{3}+3x^{2}+2x+1}{(x^{6}+x^{3}+1)(x-1)^{2}}$$

Sequence: A310521
Score: 6.30078
Type of gen. func.: ogf

$$\frac{x^8 + 2 x^7 + 3 x^6 + x^5 + 2 x^4 + x^3 + 3 x^2 + 2 x + 1}{(x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A310522
Score: 4.84984
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^9 + 5 x^8 + 4 x^7 + 9 x^6 + 5 x^5 + 9 x^4 + 4 x^3 + 5 x^2 + 2 x + 1}{(x - 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2}$$

Sequence: A310523
Score: 3.40664
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 6 x^{10} + 6 x^9 + 6 x^8 + 5 x^7 + 4 x^6 + 5 x^5 + 6 x^4 + 6 x^3 + 6 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A310523
Score: 4.87663
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 6 x^{10} + 6 x^9 + 6 x^8 + 5 x^7 + 4 x^6 + 5 x^5 + 6 x^4 + 6 x^3 + 6 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A310524
Score: 3.49014
Type of gen. func.: ogf

$$(x^{12} + 2 x^{11} + 4 x^{10} + 2 x^{9} + 4 x^{8} + x^{7} + 4 x^{6} + x^{5} + 4 x^{4} + 2 x^{3} + 4 x^{2} + 2 x + 1) / ((x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2})$$

Sequence: A310525
Score: 6.08537
Type of gen. func.: ogf

$$\frac{x^{6} + 2 x^{5} + 4 x^{4} + 2 x^{3} + 4 x^{2} + 2 x + 1}{(x^{2} + x + 1) (x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A310525
Score: 6.30078
Type of gen. func.: ogf

$$\frac{x^{6} + 2 x^{5} + 4 x^{4} + 2 x^{3} + 4 x^{2} + 2 x + 1}{(x^{2} + x + 1) (x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A310526
Score: 3.50733
Type of gen. func.: ogf

$$\frac{(x^{10} + x^{9} + 3 x^{8} - x^{7} + 5 x^{6} - 3 x^{5} + 5 x^{4} - x^{3} + 3 x^{2} + x + 1) (x + 1)^{2}}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A310526
Score: 4.87663
Type of gen. func.: ogf

$$\frac{(x^{10} + x^{9} + 3 x^{8} - x^{7} + 5 x^{6} - 3 x^{5} + 5 x^{4} - x^{3} + 3 x^{2} + x + 1) (x + 1)^{2}}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A310527
Score: 3.47311
Type of gen. func.: ogf

$$\frac{x^{14} + 4 x^{13} + 10 x^{12} + 16 x^{11} + 22 x^{10} + 28 x^{9} + 33 x^{8} + 34 x^{7} + 33 x^{6} + 28 x^{5} + 22 x^{4} + 16 x^{3} + 10 x^{2} + 4 x + 1}{(x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2}}$$

Sequence: A310527
Score: 4.18816
Type of gen. func.: ogf

$$\frac{x^{14} + 4 x^{13} + 10 x^{12} + 16 x^{11} + 22 x^{10} + 28 x^{9} + 33 x^{8} + 34 x^{7} + 33 x^{6} + 28 x^{5} + 22 x^{4} + 16 x^{3} + 10 x^{2} + 4 x + 1}{(x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2}}$$

Sequence: A310529
Score: 5.04956
Type of gen. func.: ogf

$$\frac{x^{8} + 3 x^{7} + 6 x^{6} + 6 x^{5} + 6 x^{4} + 6 x^{3} + 6 x^{2} + 3 x + 1}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A310529
Score: 6.53200
Type of gen. func.: ogf

$$\frac{x^{8} + 3 x^{7} + 6 x^{6} + 6 x^{5} + 6 x^{4} + 6 x^{3} + 6 x^{2} + 3 x + 1}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A310530

Score: 4.77844
Type of gen. func.: ogf

$$\frac{x^8 + 2 x^7 + 4 x^6 + 2 x^5 + 4 x^4 + 2 x^3 + 4 x^2 + 2 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A310530
Score: 5.8842
Type of gen. func.: ogf

$$\frac{x^8 + 2 x^7 + 4 x^6 + 2 x^5 + 4 x^4 + 2 x^3 + 4 x^2 + 2 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A310531
Score: 4.8047
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^8 + 3 x^7 + 5 x^6 + 3 x^5 + x^4 + 3 x^3 + 5 x^2 + 3 x + 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A310531
Score: 5.63701
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^8 + 3 x^7 + 5 x^6 + 3 x^5 + x^4 + 3 x^3 + 5 x^2 + 3 x + 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A310532
Score: 4.02191
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^9 + 4 x^8 + 2 x^7 + 4 x^6 + 2 x^5 + 4 x^4 + 2 x^3 + 4 x^2 + 2 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A310533
Score: 3.42536
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 6 x^{10} + 6 x^9 + 6 x^8 + 6 x^7 + 6 x^6 + 6 x^5 + 6 x^4 + 6 x^3 + 6 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A310533
Score: 4.90342
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 6 x^{10} + 6 x^9 + 6 x^8 + 6 x^7 + 6 x^6 + 6 x^5 + 6 x^4 + 6 x^3 + 6 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A310538
Score: 5.04956
Type of gen. func.: ogf

$$\frac{(x^6 + 2 x^4 - 2 x^3 + 2 x^2 + 1) (x + 1)^2}{(x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A310538
Score: 7.34008
Type of gen. func.: ogf

$$\frac{(x^6 + 2 x^4 - 2 x^3 + 2 x^2 + 1) (x + 1)^2}{(x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A310543
Score: 3.37179
Type of gen. func.: ogf

$$-\left(2x^{13}-x^{12}-3x^{11}-17x^{10}-35x^{9}-51x^{8}-66x^{7}-70x^{6}-64x^{5}-47x^{4}-33x^{3}-15x^{2}-5x-1\right) / \left((x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}(x+1)^{2}(x^{2}+1)^{2}\right)$$

Sequence: A310546
Score: 5.28415
Type of gen. func.: ogf

$$-\frac{2x^{9}-3x^{8}-2x^{7}-14x^{6}-18x^{5}-16x^{4}-18x^{3}-10x^{2}-4x-1}{(x-1)^{2}(x+1)^{2}(x^{2}+1)^{2}}$$

Sequence: A310546
Score: 6.00064
Type of gen. func.: ogf

$$-\frac{2x^{9}-3x^{8}-2x^{7}-14x^{6}-18x^{5}-16x^{4}-18x^{3}-10x^{2}-4x-1}{(x-1)^{2}(x+1)^{2}(x^{2}+1)^{2}}$$

Sequence: A310556
Score: 3.5959
Type of gen. func.: ogf

$$-\left(2x^{13}-3x^{12}-2x^{11}-14x^{10}-14x^{9}-26x^{8}-30x^{7}-26x^{6}-30x^{5}-22x^{4}-18x^{3}-10x^{2}-4x-1\right) / \left((x-1)^{2}(x+1)^{2}(x^{2}+x+1)^{2}(x^{2}-x+1)^{2}\right)$$

Sequence: A310556
Score: 4.47791
Type of gen. func.: ogf

$$- (2 x^{13} - 3 x^{12} - 2 x^{11} - 14 x^{10} - 14 x^{9} - 26 x^{8} - 30 x^{7} - 26 x^{6} - 30 x^{5} - 22 x^{4} - 18 x^{3} - 10 x^{2} - 4 x - 1) / ((x - 1)^{2} (x + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2})$$

Sequence: A310561
Score: 3.91202
Type of gen. func.: ogf

$$(x^{14} + 2 x^{13} + 4 x^{12} - x^{11} - 2 x^{10} + x^{9} + 3 x^{8} + 3 x^{6} + x^{5} - 2 x^{4} - x^{3} + 4 x^{2} + 2 x + 1) / ((x^{6} + x^{3} + 1) (x^{6} - x^{3} + 1) (x - 1)^{2})$$

Sequence: A310564
Score: 5.02182
Type of gen. func.: ogf

$$\frac{x^{8} + 3 x^{7} + 8 x^{6} + 4 x^{5} + 4 x^{4} + 4 x^{3} + 8 x^{2} + 3 x + 1}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A310564
Score: 6.49611
Type of gen. func.: ogf

$$\frac{x^{8} + 3 x^{7} + 8 x^{6} + 4 x^{5} + 4 x^{4} + 4 x^{3} + 8 x^{2} + 3 x + 1}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A310565
Score: 5.47683
Type of gen. func.: ogf

$$(5 f(x) - 1777)$$

$$(f(x) x^{4} - f(x) x^{3} - x^{4} - 3 x^{3} - f(x) x - 8 x^{2} + f(x) - 3 x - 1)$$

Sequence: A310565
Score: 9.2466
Type of gen. func.: ogf

$$\frac{x^4 + 3 x^3 + 8 x^2 + 3 x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A310565
Score: 9.24660
Type of gen. func.: ogf

$$\frac{x^4 + 3 x^3 + 8 x^2 + 3 x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A310566
Score: 3.78783
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 9 x^{10} + 7 x^9 + 12 x^8 + 12 x^7 + 12 x^6 + 12 x^5 + 12 x^4 + 7 x^3 + 9 x^2 + 3 x + 1) / ((x^2 + 1) (x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2)$$

Sequence: A310579
Score: 3.39308
Type of gen. func.: ogf

$$- (2 x^{13} - 3 x^{12} - 4 x^{11} - 8 x^{10} - 10 x^9 - 14 x^8 - 22 x^7 - 16 x^6 - 16 x^5 - 12 x^4 - 10 x^3 - 6 x^2 - 4 x - 1) / ((x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2)$$

Sequence: A310579

Score: 4.23594
Type of gen. func.: ogf

$$-(2x^{13}-3x^{12}-4x^{11}-8x^{10}-10x^{9}-14x^{8}-22x^{7}-16x^{6}-16x^{5}-12x^{4}-10x^{3}-6x^{2}-4x-1)\Big/\left((x-1)^{2}(x+1)^{2}(x^{2}+x+1)^{2}(x^{2}-x+1)^{2}\right)$$

Sequence: A310581
Score: 5.09748
Type of gen. func.: ogf

$$-\frac{2x^{9}-3x^{8}-4x^{7}-8x^{6}-14x^{5}-10x^{4}-10x^{3}-6x^{2}-4x-1}{(x-1)^{2}(x+1)^{2}(x^{2}+1)^{2}}$$

Sequence: A310581
Score: 5.80058
Type of gen. func.: ogf

$$-\frac{2x^{9}-3x^{8}-4x^{7}-8x^{6}-14x^{5}-10x^{4}-10x^{3}-6x^{2}-4x-1}{(x-1)^{2}(x+1)^{2}(x^{2}+1)^{2}}$$

Sequence: A310593
Score: 4.07699
Type of gen. func.: ogf

$$-(2x^{13}-3x^{12}-7x^{11}-3x^{10}+x^{9}-6x^{8}-13x^{7}-7x^{6}-5x^{5}-4x^{4}-4x^{3}-4x^{2}-4x-1)\Big/\left((x-1)^{2}(x+1)^{2}(x^{2}+1)^{4}\right)$$

Sequence: A310594
Score: 3.47292
Type of gen. func.: ogf

$$-(2x^{13}-3x^{12}-3x^{11}-9x^{10}-11x^{9}-16x^{8}-22x^{7}-18x^{6}-20x^{5}$$

$$- 13 x^4 - 12 x^3 - 6 x^2 - 4 x - 1) / ((x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2)$$

Sequence: A310594
Score: 4.33561
Type of gen. func.: ogf

$$- (2 x^{13} - 3 x^{12} - 3 x^{11} - 9 x^{10} - 11 x^9 - 16 x^8 - 22 x^7 - 18 x^6 - 20 x^5 - 13 x^4 - 12 x^3 - 6 x^2 - 4 x - 1) / ((x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2)$$

Sequence: A310595
Score: 3.6207
Type of gen. func.: ogf

$$- (2 x^{13} - 3 x^{12} - 3 x^{11} - 9 x^{10} - 12 x^9 - 14 x^8 - 16 x^7 - 15 x^6 - 18 x^5 - 12 x^4 - 12 x^3 - 6 x^2 - 4 x - 1) / ((x^4 + 1) (x - 1)^2 (x + 1)^2 (x^2 + 1)^2)$$

Sequence: A310595
Score: 4.12540
Type of gen. func.: ogf

$$- (2 x^{13} - 3 x^{12} - 3 x^{11} - 9 x^{10} - 12 x^9 - 14 x^8 - 16 x^7 - 15 x^6 - 18 x^5 - 12 x^4 - 12 x^3 - 6 x^2 - 4 x - 1) / ((x^4 + 1) (x - 1)^2 (x + 1)^2 (x^2 + 1)^2)$$

Sequence: A310618
Score: 4.27878

Type of gen. func.: ogf

$$-(2x^{11}-3x^{10}-4x^9-8x^8-14x^7-20x^6-16x^5-16x^4-14x^3-6x^2-4x-1)\Big/\left((x-1)^2(x^4+x^3+x^2+x+1)^2\right)$$

Sequence: A310618
Score: 4.99711
Type of gen. func.: ogf

$$-(2x^{11}-3x^{10}-4x^9-8x^8-14x^7-20x^6-16x^5-16x^4-14x^3-6x^2-4x-1)\Big/\left((x-1)^2(x^4+x^3+x^2+x+1)^2\right)$$

Sequence: A310640
Score: 4.5001
Type of gen. func.: ogf

$$-\frac{2x^9-5x^8+x^7-7x^6-4x^5-3x^4-8x^3-2x^2-3x-1}{(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A310640
Score: 5.88475
Type of gen. func.: ogf

$$-\frac{2x^9-5x^8+x^7-7x^6-4x^5-3x^4-8x^3-2x^2-3x-1}{(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A310648
Score: 5.72255
Type of gen. func.: ogf

$$-\frac{2x^7-5x^6+x^5-6x^4-8x^3-2x^2-3x-1}{(x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A310648
Score: 6.85572
Type of gen. func.: ogf

$$-\frac{2x^7-5x^6+x^5-6x^4-8x^3-2x^2-3x-1}{(x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A310649
Score: 3.55276
Type of gen. func.: ogf

$$-(2x^{13}-3x^{12}-4x^{11}-8x^{10}-14x^9-20x^8-26x^7-22x^6-22x^5-20x^4-14x^3-6x^2-4x-1)\Big/\left((x-1)^2(x+1)^2(x^2+x+1)^2(x^2-x+1)^2\right)$$

Sequence: A310649
Score: 4.43529
Type of gen. func.: ogf

$$-(2x^{13}-3x^{12}-4x^{11}-8x^{10}-14x^9-20x^8-26x^7-22x^6-22x^5-20x^4-14x^3-6x^2-4x-1)\Big/\left((x-1)^2(x+1)^2(x^2+x+1)^2(x^2-x+1)^2\right)$$

Sequence: A310650
Score: 4.80235
Type of gen. func.: ogf

$$-\frac{2x^8-5x^7+x^6-6x^5-6x^4-8x^3-2x^2-3x-1}{(x+1)(x^2+x+1)(x^2-x+1)(x-1)^2}$$

Sequence: A310650
Score: 6.38844
Type of gen. func.: ogf

$$-\frac{2x^{8}-5x^{7}+x^{6}-6x^{5}-6x^{4}-8x^{3}-2x^{2}-3x-1}{(x+1)(x^{2}+x+1)(x^{2}-x+1)(x-1)^{2}}$$

Sequence: A310651
Score: 3.93412
Type of gen. func.: ogf

$$-(2x^{15}-3x^{14}-4x^{13}-8x^{12}-14x^{11}-20x^{10}-26x^{9}-32x^{8}-28x^{7}-28x^{6}-26x^{5}-20x^{4}-14x^{3}-6x^{2}-4x-1)\Big/\left((x-1)^{2}(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)^{2}\right)$$

Sequence: A310652
Score: 3.36757
Type of gen. func.: ogf

$$-(x^{17}+2x^{16}+2x^{15}-x^{13}-2x^{11}-5x^{10}-6x^{9}-6x^{8}-9x^{7}-12x^{6}-14x^{5}-10x^{4}-7x^{3}-6x^{2}-4x-1)\Big/\left((x-1)^{2}(x^{4}+x^{3}+x^{2}+x+1)^{2}\right)$$

Sequence: A310661
Score: 2.86882
Type of gen. func.: ogf

$$-(x^{18}-2x^{17}+2x^{16}-x^{15}-x^{13}+2x^{12}-5x^{11}+4x^{10}-6x^{9}+3x^{8}-3x^{7}-3x^{5}+2x^{4}-4x^{3}+x^{2}-x-1)\Big/\left((x^{2}-x+1)(x^{4}-x^{2}+1)(x-1)^{2}(x^{2}+1)^{2}\right)$$

Sequence: A310668
Score: 3.31628
Type of gen. func.: ogf

$$- (3 x^{12} - x^{10} - 7 x^{9} - 10 x^{8} - 13 x^{7} - 15 x^{6} - 17 x^{5} - 14 x^{4} - 12 x^{3} - 7 x^{2} - 4 x - 1) / ((x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{2} + 1) (x - 1)^{2})$$

Sequence: A310680
Score: 3.32227
Type of gen. func.: ogf

$$(x^{15} + 3 x^{14} + 4 x^{13} + 6 x^{12} + 7 x^{11} + 9 x^{10} + 10 x^{9} + 15 x^{8} + 12 x^{7} + 10 x^{6} + 9 x^{5} + 7 x^{4} + 6 x^{3} + 4 x^{2} + 3 x + 1) / ((x + 1) (x - 1)^{2} (x^{2} + 1)^{2} (x^{4} + 1)^{2})$$

Sequence: A310683
Score: 3.95859
Type of gen. func.: ogf

$$(x^{11} + 3 x^{10} + 4 x^{9} + 6 x^{8} + 7 x^{7} + 11 x^{6} + 9 x^{5} + 7 x^{4} + 6 x^{3} + 4 x^{2} + 3 x + 1) / ((x + 1) (x - 1)^{2} (x^{2} - x + 1)^{2} (x^{2} + x + 1)^{2})$$

Sequence: A310689
Score: 3.16252
Type of gen. func.: ogf

$$- (x^{18} - 3 x^{17} + 4 x^{16} - x^{15} - 5 x^{14} + 8 x^{13} - 5 x^{12} - 4 x^{11} + 9 x^{10} - 9 x^{9} + x^{8} + 4 x^{7} - 7 x^{6} + x^{5} + 2 x^{4} - 4 x^{3} + x^{2} - 1) (x + 1)^{2} / ((x - 1)^{2} (x^{6} + x^{3} + 1)^{2})$$

Sequence: A310690
Score: 3.63712
Type of gen. func.: ogf

$$-(x^{15}-2x^{14}+2x^{13}-x^{12}-x^{8}-x^{7}-x^{6}-x^{5}-x^{4}-2x^{3}-x-1)(x+1)^{2} \Big/ ((x^{4}+x^{3}+x^{2}+x+1)(x^{4}+1)(x-1)^{2})$$

Sequence: A310704
Score: 5.05915
Type of gen. func.: ogf

$$\frac{x^{7}+3x^{6}+4x^{5}+7x^{4}+6x^{3}+4x^{2}+3x+1}{(x+1)(x-1)^{2}(x^{2}+1)^{2}}$$

Sequence: A310704
Score: 6.1731
Type of gen. func.: ogf

$$\frac{x^{7}+3x^{6}+4x^{5}+7x^{4}+6x^{3}+4x^{2}+3x+1}{(x+1)(x-1)^{2}(x^{2}+1)^{2}}$$

Sequence: A310725
Score: 3.80151
Type of gen. func.: ogf

$$(x^{13}+3x^{12}+3x^{11}+4x^{10}+4x^{9}+8x^{8}+5x^{7}+9x^{6}+6x^{5}+4x^{4}+4x^{3}+3x^{2}+3x+1) \Big/ ((x+1)(x^{2}+1)(x-1)^{2}(x^{4}+1)^{2})$$

Sequence: A310728
Score: 3.01191
Type of gen. func.: ogf

$$-(x^{2}+x+1)(x^{16}-2x^{14}+3x^{13}-3x^{11}-2x^{10}+2x^{9}-3x^{8}-3x^{7}-x^{6}$$

$$- 3 x^{5} - 2 x^{4} - 2 x^{3} - 2 x - 1) \Big/ \left((x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x^{4} + 1) (x - 1)^{2}\right)$$

Sequence: A310744
Score: 4.4234
Type of gen. func.: ogf

$$\frac{x^{9} + 4 x^{8} + 7 x^{7} + 11 x^{6} + 11 x^{5} + 12 x^{4} + 10 x^{3} + 7 x^{2} + 4 x + 1}{(x + 1) (x^{2} - x + 1) (x - 1)^{2} (x^{2} + x + 1)^{2}}$$

Sequence: A310744
Score: 5.41423
Type of gen. func.: ogf

$$\frac{x^{9} + 4 x^{8} + 7 x^{7} + 11 x^{6} + 11 x^{5} + 12 x^{4} + 10 x^{3} + 7 x^{2} + 4 x + 1}{(x + 1) (x^{2} - x + 1) (x - 1)^{2} (x^{2} + x + 1)^{2}}$$

Sequence: A310745
Score: 4.93255
Type of gen. func.: ogf

$$- \frac{2 x^{10} - 2 x^{9} + 2 x^{7} - 5 x^{6} - x^{5} - 5 x^{4} - 4 x^{3} - 3 x^{2} - 3 x - 1}{(x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A310745
Score: 5.76857
Type of gen. func.: ogf

$$- \frac{2 x^{10} - 2 x^{9} + 2 x^{7} - 5 x^{6} - x^{5} - 5 x^{4} - 4 x^{3} - 3 x^{2} - 3 x - 1}{(x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A310747
Score: 3.43543
Type of gen. func.: ogf

$$(x^2 + x + 1) (x^{13} + 2 x^{12} + x^{11} + 5 x^{10} + x^9 + 7 x^8 + 2 x^7 + 8 x^6 + 2 x^5 + 4 x^4 + 4 x^3 + x^2 + 2 x + 1) / ((x + 1) (x - 1)^2 (x^4 + 1)^2 (x^2 + 1)^2)$$

Sequence: A310760
Score: 3.91202
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 4 x^8 + 7 x^7 + 9 x^6 + 6 x^5 + 9 x^4 + 7 x^3 + 4 x^2 + 3 x + 1}{(x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A310760
Score: 4.28108
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 4 x^8 + 7 x^7 + 9 x^6 + 6 x^5 + 9 x^4 + 7 x^3 + 4 x^2 + 3 x + 1}{(x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A310763
Score: 5.29628
Type of gen. func.: ogf

$$- \frac{x^{12} - x^7 - 3 x^6 - x^5 - 6 x^4 - 4 x^3 - 3 x^2 - 3 x - 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A310763
Score: 6.25924
Type of gen. func.: ogf

$$- \frac{x^{12} - x^7 - 3 x^6 - x^5 - 6 x^4 - 4 x^3 - 3 x^2 - 3 x - 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A310782
Score: 3.97947
Type of gen. func.: ogf

$$-(x^{17}+2x^{16}+2x^{14}-5x^{11}-4x^{10}-12x^{9}-14x^{8}-20x^{7}-18x^{6}-20x^{5}-16x^{4}-12x^{3}-7x^{2}-4x-1) / ((x+1)(x^{2}+x+1)(x^{2}-x+1)(x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2})$$

Sequence: A310831
Score: 3.7017
Type of gen. func.: ogf

$$-(2x^{13}-5x^{12}-x^{11}-10x^{9}-2x^{8}-3x^{7}-12x^{6}-3x^{5}-4x^{4}-6x^{3}-2x^{2}-3x-1) / ((x^{2}-x+1)(x^{6}+x^{3}+1)(x-1)^{2}(x+1)^{2})$$

Sequence: A310840
Score: 3.27865
Type of gen. func.: ogf

$$-(2x^{13}-3x^{12}-4x^{11}-8x^{10}-6x^{9}-11x^{8}-16x^{7}-14x^{6}-12x^{5}-9x^{4}-10x^{3}-6x^{2}-4x-1) / ((x^{4}+1)(x^{2}+x+1)(x^{2}-x+1)(x-1)^{2}(x+1)^{2})$$

Sequence: A310857
Score: 4.27650
Type of gen. func.: ogf

$$-(2x^{13}-3x^{12}-4x^{11}-8x^{10}-8x^{9}-9x^{8}-10x^{7}-9x^{6}-8x^{5}-9x^{4}-10x^{3}-6x^{2}-4x-1) / ((x^{4}+x^{3}+x^{2}+x+1)$$

$$(x^4 - x^3 + x^2 - x + 1) (x + 1)^2 (x - 1)^2)$$

Sequence: A310858
Score: 4.25010
Type of gen. func.: ogf

$$- (2 x^{13} - 3 x^{12} - 4 x^{11} - 8 x^{10} - 8 x^9 - 9 x^8 - 10 x^7 - 10 x^6 - 8 x^5 - 9 x^4 - 10 x^3 - 6 x^2 - 4 x - 1) / ((x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x + 1)^2 (x - 1)^2)$$

Sequence: A310872
Score: 4.47088
Type of gen. func.: ogf

$$- \frac{2 x^9 - x^8 - 7 x^7 - 12 x^6 - 18 x^5 - 19 x^4 - 16 x^3 - 10 x^2 - 5 x - 1}{(x^4 + x^3 + x^2 + x + 1) (x + 1)^2 (x - 1)^2}$$

Sequence: A310872
Score: 4.47088
Type of gen. func.: ogf

$$- \frac{2 x^9 - x^8 - 7 x^7 - 12 x^6 - 18 x^5 - 19 x^4 - 16 x^3 - 10 x^2 - 5 x - 1}{(x^4 + x^3 + x^2 + x + 1) (x + 1)^2 (x - 1)^2}$$

Sequence: A310885
Score: 3.1474
Type of gen. func.: ogf

$$- (x^2 + 1) (2 x^{12} + x^{11} - 6 x^{10} - 20 x^9 - 35 x^8 - 52 x^7 - 60 x^6 - 58 x^5 - 46 x^4 - 31 x^3 - 16 x^2 - 6 x - 1) / ((x + 1) (x^2 + x + 1) (x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A310936
Score: 2.89455
Type of gen. func.: ogf

$$-\frac{(2x^{15}-4x^{14}+4x^{13}-2x^{12}-2x^{11}+x^{10}+2x^{9}-5x^{8}+6x^{7}-5x^{6}+x^{4}-2x^{3}+x^{2}-1)(x^{2}+x+1)}{(x^{2}-x+1)(x^{4}-x^{2}+1)(x-1)^{2}(x^{2}+1)^{2}}$$

Sequence: A310937
Score: 2.90247
Type of gen. func.: ogf

$$-\frac{(x^{2}+x+1)(2x^{17}-2x^{16}+2x^{15}-2x^{14}+2x^{13}-5x^{12}+3x^{11}-4x^{10}+x^{9}-3x^{8}-x^{7}-3x^{6}-x^{5}-x^{4}-x^{3}-x-1)}{(x-1)^{2}(x^{2}+1)^{2}(x^{4}+1)^{2}}$$

Sequence: A310970
Score: 3.39308
Type of gen. func.: ogf

$$-\frac{x^{19}+x^{18}-2x^{14}-3x^{13}-3x^{12}-3x^{11}-5x^{10}-4x^{9}-8x^{8}-6x^{7}-7x^{6}-3x^{5}-4x^{4}-2x^{3}-3x^{2}-2x-1}{(x-1)^{2}(x^{2}+1)^{2}(x^{4}+1)^{2}}$$

Sequence: A310988
Score: 3.41557
Type of gen. func.: ogf

$$\frac{(x^{2}+x+1)(x^{12}+3x^{11}+4x^{10}+3x^{9}+7x^{8}+6x^{7}+10x^{6}+6x^{5}+7x^{4}+3x^{3}+4x^{2}+3x+1)}{(x-1)^{2}(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)^{2}}$$

/

Sequence: A310988
Score: 4.00516
Type of gen. func.: ogf

$$(x^2 + x + 1) (x^{12} + 3 x^{11} + 4 x^{10} + 3 x^9 + 7 x^8 + 6 x^7 + 10 x^6 + 6 x^5 + 7 x^4 + 3 x^3 + 4 x^2 + 3 x + 1) / ((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A310999
Score: 3.30727
Type of gen. func.: ogf

$$- (x^2 + 1) (2 x^{11} - 2 x^{10} - 2 x^9 + x^8 - 2 x^7 + x^6 - 2 x^5 - 4 x^4 + 2 x^3 - x^2 - 2 x - 1) / ((x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A311002
Score: 4.60395
Type of gen. func.: ogf

$$(x^{10} + 4 x^9 + 8 x^8 + 10 x^7 + 16 x^6 + 16 x^5 + 16 x^4 + 10 x^3 + 8 x^2 + 4 x + 1) / ((x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A311002
Score: 5.28734
Type of gen. func.: ogf

$$(x^{10} + 4 x^9 + 8 x^8 + 10 x^7 + 16 x^6 + 16 x^5 + 16 x^4 + 10 x^3 + 8 x^2 + 4 x + 1) / ((x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A311007
Score: 4.44204
Type of gen. func.: ogf

$$-\frac{2x^{11}-x^{8}-7x^{7}-5x^{6}-7x^{5}-10x^{4}-5x^{3}-5x^{2}-3x-1}{(x^{2}+1)(x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A311007
Score: 4.55971
Type of gen. func.: ogf

$$-\frac{2x^{11}-x^{8}-7x^{7}-5x^{6}-7x^{5}-10x^{4}-5x^{3}-5x^{2}-3x-1}{(x^{2}+1)(x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A311010
Score: 4.12541
Type of gen. func.: ogf

$$(x^{2}+x+1)\,(x^{12}+x^{11}+x^{10}+10x^{8}-14x^{7}+23x^{6}-14x^{5}+10x^{4}+x^{2}+x+1)\Big/\left((x-1)^{2}(x^{2}+1)^{2}(x^{4}+1)^{2}\right)$$

Sequence: A311015
Score: 6.70633
Type of gen. func.: ogf

$$\frac{(x^{12}+x^{9}+3x^{6}+x^{3}+1)(x+1)^{2}}{(x-1)^{2}(x^{6}+x^{3}+1)^{2}}$$

Sequence: A311022
Score: 3.7175
Type of gen. func.: ogf

$$-(x^{17}-2x^{16}+x^{15}+2x^{14}-4x^{13}+x^{12}+2x^{11}-4x^{10}+x^{9}-2x^{7}-x^{6}-x^{4}-x^{3}-1)(x+1)^{2} \Big/ \left((x-1)^{2}(x^{6}+x^{3}+1)^{2}\right)$$

Sequence: A311023
Score: 3.82311
Type of gen. func.: ogf

$$-\frac{(x^{13}-x^{12}+x^{10}-x^{9}-2x^{8}-x^{6}-x^{5}-2x^{4}-x^{2}-x-1)(x+1)^{2}}{(x^{4}+x^{3}+x^{2}+x+1)(x^{4}+1)(x-1)^{2}}$$

Sequence: A311024
Score: 3.13683
Type of gen. func.: ogf

$$-(x^{2}+x+1)(x^{19}-2x^{18}+2x^{17}-x^{16}+x^{13}-2x^{12}+x^{11}-x^{10}-x^{8}+x^{7}-2x^{6}-x^{3}-1) \Big/ \left((x^{2}-x+1)(x^{4}-x^{2}+1)(x-1)^{2}(x^{2}+1)^{2}\right)$$

Sequence: A311030
Score: 5.206
Type of gen. func.: ogf

$$\frac{(x^{12}+x^{9}+2x^{8}-4x^{7}+8x^{6}-4x^{5}+2x^{4}+x^{3}+1)(x+1)^{2}}{(x-1)^{2}(x^{6}+x^{3}+1)}$$

Sequence: A311033
Score: 3.77941
Type of gen. func.: ogf

$$(x^{13}+3x^{12}+4x^{11}+3x^{10}+4x^{9}+6x^{8}+9x^{7}+7x^{6}+6x^{5}+4x^{4}+3x^{3}+4x^{2}+3x+1) \Big/ \left((x+1)(x^{2}+1)(x-1)^{2}(x^{4}+1)^{2}\right)$$

Sequence: A311042
Score: 4.00462
Type of gen. func.: ogf

$$\left(x^{11}+3x^{10}+5x^{9}+6x^{8}+9x^{7}+10x^{6}+11x^{5}+8x^{4}+6x^{3}+5x^{2}+3x+1\right) \Big/ \left((x+1)(x-1)^{2}(x^{2}+x+1)^{2}(x^{2}-x+1)^{2}\right)$$

Sequence: A311051
Score: 3.38653
Type of gen. func.: ogf

$$\left(x^{15}+3x^{14}+5x^{13}+6x^{12}+10x^{11}+9x^{10}+14x^{9}+13x^{8}+16x^{7}+11x^{6}+11x^{5}+9x^{4}+6x^{3}+5x^{2}+3x+1\right) \Big/ \left((x+1)(x-1)^{2}(x^{4}+1)^{2}(x^{2}+1)^{2}\right)$$

Sequence: A311057
Score: 3.18757
Type of gen. func.: ogf

$$-(x+1)\left(x^{13}+x^{11}-x^{10}-x^{9}-4x^{8}-3x^{7}-5x^{6}-5x^{5}-6x^{4}-3x^{3}-3x^{2}-2x-1\right) \Big/ \left((x^{2}+x+1)(x^{2}-x+1)(x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}\right)$$

Sequence: A311063
Score: 3.14391
Type of gen. func.: ogf

$$-\left(x^{15}-x^{14}+2x^{13}-x^{12}-x^{11}+x^{10}-6x^{9}-4x^{7}-6x^{6}-2x^{5}-6x^{4}-2x^{3}-2x^{2}-2x-1\right) \Big/ \left((x^{2}-x+1)(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}\right)$$

Sequence: A311066
Score: 3.04653
Type of gen. func.: ogf

$$-(x+1)\left(x^{17}-x^{16}+x^{15}-x^{12}-4x^{10}-x^{9}-3x^{8}-4x^{7}-4x^{6}-3x^{5}-5x^{4}-x^{3}-2x^{2}-2x-1\right) \Big/ \left(\left(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1\right)\left(x^{4}+1\right)(x-1)^{2}\right)$$

Sequence: A311079
Score: 4.63548
Type of gen. func.: ogf

$$\frac{\left(x^{2}+1\right)\left(x^{10}-x^{8}+2x^{7}-x^{6}+2x^{5}-x^{4}+2x^{3}-x^{2}+1\right)(x+1)^{2}}{(x-1)^{2}\left(x^{6}+x^{3}+1\right)}$$

Sequence: A311084
Score: 3.29434
Type of gen. func.: ogf

$$-\left(2x^{14}-2x^{13}+2x^{12}-5x^{10}+2x^{9}-6x^{8}-3x^{7}-2x^{6}-8x^{5}-2x^{4}-3x^{3}-2x^{2}-2x-1\right) \Big/ \left(\left(x^{2}-x+1\right)\left(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1\right)(x-1)^{2}\right)$$

Sequence: A311088
Score: 4.45607
Type of gen. func.: ogf

$$\frac{\left(x^{2}+x+1\right)\left(x^{6}+x^{3}+1\right)(x+1)^{2}}{\left(x^{4}+x^{3}+x^{2}+x+1\right)\left(x^{4}+1\right)(x-1)^{2}}$$

Sequence: A311088
Score: 5.21603
Type of gen. func.: ogf

$$\frac{(x^2+x+1)(x^6+x^3+1)(x+1)^2}{(x^4+x^3+x^2+x+1)(x^4+1)(x-1)^2}$$

Sequence: A311094
Score: 3.45529
Type of gen. func.: ogf

$$(x^2+x+1)(x^{13}+2x^{12}+2x^{11}+3x^{10}+3x^9+5x^8+4x^7+6x^6+4x^5$$
$$+3x^4+3x^3+2x^2+2x+1) \Big/ ((x+1)(x-1)^2(x^2+1)^2(x^4+1)^2)$$

Sequence: A311101
Score: 6.77826
Type of gen. func.: ogf

$$-\frac{x^8-2x^7+2x^6-2x^5-x^3-x-1}{(x-1)^2(x^2-x+1)}$$

Sequence: A311101
Score: 7.05777
Type of gen. func.: ogf

$$-\frac{x^8-2x^7+2x^6-2x^5-x^3-x-1}{(x-1)^2(x^2-x+1)}$$

Sequence: A311104
Score: 3.32898
Type of gen. func.: ogf

$$-(x+1)(x^{16}-2x^{11}-2x^{10}-3x^9-2x^8-3x^7-5x^6-5x^5-2x^4-2x^3$$

$$^{2} \qquad / \quad ^{6} \quad ^{5} \quad ^{4} \quad ^{3} \quad ^{2} \qquad ^{4} \qquad ^{2}$$

```
     - 2 x  - 2 x - 1)  /  ((x  + x  + x  + x  + x  + x + 1) (x  + 1) (x - 1) )
                       /



-------------------------------------------------------------------------------

Sequence:  A311116
Score: 3.2024
Type of gen. func.: ogf


      12      11      10       9       8       7       6       5       4
- (2 x   - 3 x   - 4 x   - 10 x  - 15 x  - 15 x  - 17 x  - 19 x  - 14 x

           3       2            /           2
     - 12 x  - 8 x  - 4 x - 1)  /  ((x + 1) (x  + 1)
                               /

      6    5    4    3    2                 2
    (x  + x  + x  + x  + x  + x + 1) (x - 1) )



-------------------------------------------------------------------------------

Sequence:  A311116
Score: 4.41356
Type of gen. func.: ogf


      12      11      10       9       8       7       6       5       4
- (2 x   - 3 x   - 4 x   - 10 x  - 15 x  - 15 x  - 17 x  - 19 x  - 14 x

           3       2            /           2
     - 12 x  - 8 x  - 4 x - 1)  /  ((x + 1) (x  + 1)
                               /

      6    5    4    3    2                 2
    (x  + x  + x  + x  + x  + x + 1) (x - 1) )



-------------------------------------------------------------------------------

Sequence:  A311151
Score: 3.1842
Type of gen. func.: ogf


  4    3    2            12    10      9    7      6    5      3    2        /
(x  + x  + x  + x + 1) (x   - x   + 2 x  - x  + 3 x  - x  + 2 x  - x  + 1)  /
                                                                           /

       2        2            6    3         4    2             2
    ((x  + 1) (x  - x + 1) (x  + x  + 1) (x  - x  + 1) (x - 1) )



-------------------------------------------------------------------------------

Sequence:  A311154
Score: 2.87315
Type of gen. func.: ogf


  14    13    11    10      8      7      6    4    3            2
(x   + x   + x   + x   + 2 x  + 2 x  + 2 x  + x  + x  + x + 1) (x  + x + 1)

       /    2        4    2        4    3    2            4    3    2
      /  ((x  + 1) (x  - x  + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1)
```

$$/\ (x - 1)^{2})$$

Sequence: A311164
Score: 2.82894
Type of gen. func.: ogf

$$(x^{8} + 2 x^{7} + 2 x^{6} + x^{5} + x^{4} + x^{3} + 2 x^{2} + 2 x + 1) (x^{8} + x^{7} + x^{5} + x^{4} + x^{3} + x + 1) \Big/ ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x^{4} + 1) (x - 1)^{2})$$

Sequence: A311165
Score: 4.36054
Type of gen. func.: ogf

$$\frac{(x^{7} + x^{6} + x^{4} + x + 1) (x^{7} + x^{6} + x^{3} + x + 1)}{(x^{2} + 1) (x^{4} - x^{2} + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A311170
Score: 3.11546
Type of gen. func.: ogf

$$(x^{14} + 2 x^{13} + x^{12} + x^{10} + 2 x^{9} + 2 x^{8} + 3 x^{7} + 2 x^{6} + 2 x^{5} + x^{4} + x^{2} + 2 x + 1) \Big/ ((x^{4} - x^{2} + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A311174
Score: 2.70594
Type of gen. func.: ogf

$$(x^{2} + 1) (x^{14} + x^{12} + 2 x^{10} + 2 x^{8} + x^{7} + 2 x^{6} + 2 x^{4} + x^{2} + 1) (x + 1)^{4} \Big/ ($$

$${}^{2} \qquad {}^{6} \quad {}^{3}$$

```
    (x  + x + 1) (x  + x  + 1)

      10    9    8    7    6    5    4    3    2                 2
    (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x - 1) )



------------------------------------------------------------------------------

Sequence:  A311196
Score: 3.37508
Type of gen. func.: ogf


  12      11      10      9      8      7      6      5      4      3      2
(x   + 2 x   + 2 x   + 2 x  + 2 x  + 2 x  + 3 x  + 2 x  + 2 x  + 2 x  + 2 x

                  /    2        2            2            4    2             2
     + 2 x + 1)  /  ((x  + 1) (x  + x + 1) (x  - x + 1) (x  - x  + 1) (x - 1) )
                /



------------------------------------------------------------------------------

Sequence:  A311209
Score: 3.2024
Type of gen. func.: ogf


     2            12    11    9      8    7      6    5      4    3
   (x  + x + 1) (x   + x   + x  + 2 x  + x  + 2 x  + x  + 2 x  + x  + x + 1)
   -------------------------------------------------------------------------
          4        4    3    2             4    3    2                 2
        (x  + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A311217
Score: 3.54905
Type of gen. func.: ogf


         2        10    9    7      6    5      4    3                 2
       (x  + 1) (x   + x  + x  + 2 x  + x  + 2 x  + x  + x + 1) (x + 1)
       -----------------------------------------------------------------
              6    3        6    5    4    3    2                 2
            (x  + x  + 1) (x  + x  + x  + x  + x  + x + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A311224
Score: 3.47735
Type of gen. func.: ogf


  14      13      12      11      10      9      8      7      6      5      4
(x   + 2 x   + 2 x   + 3 x   + 4 x   + 4 x  + 7 x  + 4 x  + 7 x  + 4 x  + 4 x

          3      2                /    2        6    3        4             2
     + 3 x  + 2 x  + 2 x + 1)  /  ((x  + 1) (x  + x  + 1) (x  + 1) (x - 1) )
                              /



------------------------------------------------------------------------------
```

Sequence: A311225
Score: 3.29434
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 4 x^{10} + 4 x^9 + 4 x^8 + 4 x^7 + 6 x^6 + 4 x^5 + 4 x^4 + 4 x^3 + 4 x^2 + 3 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A311225
Score: 4.71586
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 4 x^{10} + 4 x^9 + 4 x^8 + 4 x^7 + 6 x^6 + 4 x^5 + 4 x^4 + 4 x^3 + 4 x^2 + 3 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A311233
Score: 3.51284
Type of gen. func.: ogf

$$(x^{12} + 2 x^{11} + 3 x^{10} + 4 x^9 + 5 x^8 + 6 x^7 + 8 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1) \Big/ ((x^2 + 1) (x^4 + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2)$$

Sequence: A311237
Score: 3.58602
Type of gen. func.: ogf

$$- (4 x^{12} - x^{10} - 8 x^9 - 8 x^8 - 16 x^7 - 19 x^6 - 16 x^5 - 15 x^4 - 12 x^3 - 8 x^2 - 4 x - 1) \Big/ ((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A311237

Score: 4.74839
Type of gen. func.: ogf

$$-(4x^{12}-x^{10}-8x^{9}-8x^{8}-16x^{7}-19x^{6}-16x^{5}-15x^{4}-12x^{3}-8x^{2}-4x-1)\Big/((x^{2}+1)(x^{2}+x+1)(x^{2}-x+1)(x-1)^{2}(x+1)^{2})$$

Sequence: A311257
Score: 4.14769
Type of gen. func.: ogf

$$\frac{x^{10}+3x^{9}+4x^{8}+3x^{7}+x^{6}+x^{5}+x^{4}+3x^{3}+4x^{2}+3x+1}{(x^{2}+1)(x^{2}+x+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A311257
Score: 4.33029
Type of gen. func.: ogf

$$\frac{x^{10}+3x^{9}+4x^{8}+3x^{7}+x^{6}+x^{5}+x^{4}+3x^{3}+4x^{2}+3x+1}{(x^{2}+1)(x^{2}+x+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A311261
Score: 4.19827
Type of gen. func.: ogf

$$(x^{12}+2x^{11}+x^{10}+x^{9}+3x^{8}+4x^{7}+x^{6}+4x^{5}+3x^{4}+x^{3}+x^{2}+2x+1)\Big/((x^{6}+x^{3}+1)(x^{4}+1)(x-1)^{2})$$

Sequence: A311262
Score: 3.29434
Type of gen. func.: ogf

$$(x^{12}+3x^{11}+4x^{10}+4x^{9}+4x^{8}+5x^{7}+4x^{6}+5x^{5}+4x^{4}+4x^{3}+4x^{2}+3x+1)\Big/((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)$$

```
                /

           2
    (x - 1) )



------------------------------------------------------------------------------

Sequence:  A311262
Score: 4.71586
Type of gen. func.: ogf


  12      11      10      9      8      7      6      5      4      3      2
(x   + 3 x   + 4 x   + 4 x  + 4 x  + 5 x  + 4 x  + 5 x  + 4 x  + 4 x  + 4 x

                  /    10    9    8    7    6    5    4    3    2
     + 3 x + 1)  /  ((x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1)
                /

           2
    (x - 1) )



------------------------------------------------------------------------------

Sequence:  A311263
Score: 3.35861
Type of gen. func.: ogf


    19    14      13      12      11       10       9       8       7       6
- (x   - x   - 4 x   - 8 x   - 9 x   - 10 x   - 13 x  - 16 x  - 17 x  - 16 x

           5      4      3      2             /    2             2        2
     - 13 x  - 9 x  - 8 x  - 7 x  - 4 x - 1)  /  ((x  + 1) (x - 1)  (x + 1)
                                             /

      4     2
    (x  + 1) )



------------------------------------------------------------------------------

Sequence:  A311273
Score: 4.2522
Type of gen. func.: ogf


                        2         2   2         2        4
                      (x  + x + 1)  (x  - x + 1)  (x + 1)
        ----------------------------------------------------------------
          4    3    2            6    5    4    3    2                2
        (x  + x  + x  + x + 1) (x  + x  + x  + x  + x  + x + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A311273
Score: 4.38849
Type of gen. func.: ogf


                        2         2   2         2        4
                      (x  + x + 1)  (x  - x + 1)  (x + 1)
        ----------------------------------------------------------------
          4    3    2            6    5    4    3    2                2
```

$$(x + x + x + x + 1) (x + x + x + x + x + x + 1) (x - 1)$$

Sequence: A311285
Score: 4.62091
Type of gen. func.: ogf

$$\frac{(x^5 + x^4 + x^3 + x + 1) (x^5 + x^4 + x^2 + x + 1)}{(x^4 + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A311286
Score: 3.54905
Type of gen. func.: ogf

$$\frac{(x^{10} + x^9 + 2 x^7 + 2 x^6 + x^5 + 2 x^4 + 2 x^3 + x + 1) (x^2 + x + 1)^2}{(x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A311287
Score: 3.56744
Type of gen. func.: ogf

$$\frac{(x^4 + 1) (x^8 + x^7 + x^6 + 2 x^5 + x^4 + 2 x^3 + x^2 + x + 1) (x + 1)^2}{(x^6 + x^3 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A311289
Score: 4.17282
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^8 + x^7 + x^5 + x^4 + x^3 + x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A311292
Score: 3.14391
Type of gen. func.: ogf

$$- (x^{16} - x^{15} + x^{14} - x^{13} - 3 x^{11} - 3 x^{10} - 5 x^{9} - 5 x^{8} - 7 x^{7} - 7 x^{6} - 7 x^{5} - 5 x^{4} - 4 x^{3} - 3 x^{2} - 2 x - 1) (x + 1)^{2} / ((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A311312
Score: 4.49629
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^{9} + x^{8} + x^{6} + 3 x^{5} + x^{4} + x^{2} + 2 x + 1}{(x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A311312
Score: 4.58562
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^{9} + x^{8} + x^{6} + 3 x^{5} + x^{4} + x^{2} + 2 x + 1}{(x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A311331
Score: 3.56922
Type of gen. func.: ogf

$$\frac{(x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x + 1)^{4}}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A311331
Score: 4.74266
Type of gen. func.: ogf

$$\frac{(x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x + 1)^{4}}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A311332
Score: 4.37950
Type of gen. func.: ogf

$$\frac{x^{10}+x^{9}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x+1}{(x^{2}+1)(x^{2}-x+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A311332
Score: 4.64227
Type of gen. func.: ogf

$$\frac{x^{10}+x^{9}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x+1}{(x^{2}+1)(x^{2}-x+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A311343
Score: 3.14391
Type of gen. func.: ogf

$$(x^{12}+3x^{11}+5x^{10}+7x^{9}+9x^{8}+13x^{7}+12x^{6}+13x^{5}+9x^{4}+7x^{3}+5x^{2}+3x+1) \Big/ \left((x^{2}+x+1)(x^{2}-x+1)(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}\right)$$

Sequence: A311344
Score: 4.59011
Type of gen. func.: ogf

$$\frac{x^{10}+3x^{9}+4x^{8}+4x^{7}+4x^{6}+6x^{5}+4x^{4}+4x^{3}+4x^{2}+3x+1}{(x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2}}$$

Sequence: A311344
Score: 5.42139
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 4 x^8 + 4 x^7 + 4 x^6 + 6 x^5 + 4 x^4 + 4 x^3 + 4 x^2 + 3 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A311345
Score: 3.51486
Type of gen. func.: ogf

$$-(2 x^{15} - x^{12} - 4 x^{11} - 10 x^{10} - 14 x^9 - 18 x^8 - 22 x^7 - 24 x^6 - 22 x^5 - 16 x^4 - 12 x^3 - 8 x^2 - 4 x - 1) / ((x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2)$$

Sequence: A311345
Score: 4.38246
Type of gen. func.: ogf

$$-(2 x^{15} - x^{12} - 4 x^{11} - 10 x^{10} - 14 x^9 - 18 x^8 - 22 x^7 - 24 x^6 - 22 x^5 - 16 x^4 - 12 x^3 - 8 x^2 - 4 x - 1) / ((x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2)$$

Sequence: A311356
Score: 3.31305
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 4 x^{10} + 4 x^9 + 4 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 4 x^4 + 4 x^3 + 4 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A311356
Score: 4.74266
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 4 x^{10} + 4 x^9 + 4 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 4 x^4 + 4 x^3 + 4 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A311363
Score: 3.64436
Type of gen. func.: ogf

$$- (2 x^{11} - x^{10} - 7 x^9 - 14 x^8 - 24 x^7 - 33 x^6 - 32 x^5 - 27 x^4 - 20 x^3 - 12 x^2 - 5 x - 1) / ((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A311363
Score: 4.14628
Type of gen. func.: ogf

$$- (2 x^{11} - x^{10} - 7 x^9 - 14 x^8 - 24 x^7 - 33 x^6 - 32 x^5 - 27 x^4 - 20 x^3 - 12 x^2 - 5 x - 1) / ((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A311384
Score: 3.89005
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^9 + 2 x^8 + 2 x^7 + 2 x^6 + 4 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A311385
Score: 3.33177
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 4 x^{10} + 4 x^9 + 4 x^8 + 6 x^7 + 6 x^6 + 6 x^5 + 4 x^4 + 4 x^3 + 4 x^2$$

$$+ 3 x + 1) \Big/ \left((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2\right)$$

Sequence: A311385
Score: 4.76945
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 4 x^{10} + 4 x^9 + 4 x^8 + 6 x^7 + 6 x^6 + 6 x^5 + 4 x^4 + 4 x^3 + 4 x^2 + 3 x + 1) \Big/ \left((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2\right)$$

Sequence: A311406
Score: 3.37243
Type of gen. func.: ogf

$$(x^{14} + 4 x^{13} + 8 x^{12} + 12 x^{11} + 17 x^{10} + 21 x^9 + 25 x^8 + 27 x^7 + 25 x^6 + 20 x^5 + 17 x^4 + 12 x^3 + 8 x^2 + 4 x + 1) \Big/ \left((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2\right)$$

Sequence: A311406
Score: 4.07502
Type of gen. func.: ogf

$$(x^{14} + 4 x^{13} + 8 x^{12} + 12 x^{11} + 17 x^{10} + 21 x^9 + 25 x^8 + 27 x^7 + 25 x^6 + 20 x^5 + 17 x^4 + 12 x^3 + 8 x^2 + 4 x + 1) \Big/ \left((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2\right)$$

Sequence: A311411
Score: 3.764
Type of gen. func.: ogf

$$-(x^{22} - x^{21} + 2 x^{20} - 2 x^{19} + x^{17} - 2 x^{13} + x^{12} - x^{10} + x^{9} + 2 x^{7} - 4 x^{6} + x^{5} - 2 x^{4} - 3 x^{3} - 4 x^{2} - 3 x - 1) / ((x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A311426
Score: 3.37508
Type of gen. func.: ogf

$$(x^{12} + 2 x^{11} + 2 x^{10} + 2 x^{9} + 3 x^{8} + x^{7} + 3 x^{6} + x^{5} + 3 x^{4} + 2 x^{3} + 2 x^{2} + 2 x + 1) / ((x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2})$$

Sequence: A311433
Score: 4.71586
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^{9} + 2 x^{8} + 3 x^{7} + 4 x^{6} + x^{5} + 4 x^{4} + 3 x^{3} + 2 x^{2} + 2 x + 1}{(x^{2} + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A311434
Score: 3.32616
Type of gen. func.: ogf

$$(x^{10} + 3 x^{9} + 3 x^{8} + x^{7} + 2 x^{6} + 3 x^{5} + 2 x^{4} + x^{3} + 3 x^{2} + 3 x + 1) (x^{2} + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A311434
Score: 4.71586
Type of gen. func.: ogf

$$(x^{10} + 3 x^{9} + 3 x^{8} + x^{7} + 2 x^{6} + 3 x^{5} + 2 x^{4} + x^{3} + 3 x^{2} + 3 x + 1) (x^{2} + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A311435
Score: 3.66232
Type of gen. func.: ogf

$$-(x^{18} - x^{12} - 5x^{11} - 9x^{10} - 13x^9 - 16x^8 - 17x^7 - 17x^6 - 17x^5 - 16x^4 - 12x^3 - 8x^2 - 4x - 1) \Big/ ((x^4 + 1)(x - 1)^2 (x + 1)^2 (x^2 + 1)^2)$$

Sequence: A311435
Score: 4.17282
Type of gen. func.: ogf

$$-(x^{18} - x^{12} - 5x^{11} - 9x^{10} - 13x^9 - 16x^8 - 17x^7 - 17x^6 - 17x^5 - 16x^4 - 12x^3 - 8x^2 - 4x - 1) \Big/ ((x^4 + 1)(x - 1)^2 (x + 1)^2 (x^2 + 1)^2)$$

Sequence: A311440
Score: 3.86807
Type of gen. func.: ogf

$$\frac{x^{10} + 2x^9 + 2x^8 + 2x^7 + 3x^6 + x^5 + 3x^4 + 2x^3 + 2x^2 + 2x + 1}{(x^4 + x^3 + x^2 + x + 1)(x^4 - x^3 + x^2 - x + 1)(x - 1)^2}$$

Sequence: A311457
Score: 3.11546
Type of gen. func.: ogf

$$(x^{12} + 3x^{11} + 5x^{10} + 7x^9 + 10x^8 + 11x^7 + 14x^6 + 11x^5 + 10x^4 + 7x^3 + 5x^2 + 3x + 1) \Big/ ((x^2 + x + 1)(x^2 - x + 1)(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2)$$

Sequence: A311458
Score: 4.59011
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^{9} + 4 x^{8} + 4 x^{7} + 5 x^{6} + 4 x^{5} + 5 x^{4} + 4 x^{3} + 4 x^{2} + 3 x + 1}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A311458
Score: 5.42139
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^{9} + 4 x^{8} + 4 x^{7} + 5 x^{6} + 4 x^{5} + 5 x^{4} + 4 x^{3} + 4 x^{2} + 3 x + 1}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A311459
Score: 3.35861
Type of gen. func.: ogf

$$- (x^{16} + x^{14} - x^{12} - 5 x^{11} - 9 x^{10} - 14 x^{9} - 18 x^{8} - 22 x^{7} - 24 x^{6} - 21 x^{5} - 17 x^{4} - 12 x^{3} - 8 x^{2} - 4 x - 1) / ((x - 1)^{2} (x + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2})$$

Sequence: A311459
Score: 4.14769
Type of gen. func.: ogf

$$- (x^{16} + x^{14} - x^{12} - 5 x^{11} - 9 x^{10} - 14 x^{9} - 18 x^{8} - 22 x^{7} - 24 x^{6} - 21 x^{5} - 17 x^{4} - 12 x^{3} - 8 x^{2} - 4 x - 1) / ((x - 1)^{2} (x + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2})$$

Sequence: A311475
Score: 5.91819
Type of gen. func.: ogf

$$\frac{x^{8}+3x^{7}+3x^{6}-x^{4}+3x^{2}+3x+1}{(x^{2}+x+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A311480
Score: 4.17125
Type of gen. func.: ogf

$$-(x^{16}-x^{14}-5x^{11}-6x^{10}-5x^{9}-4x^{8}-9x^{7}-13x^{6}-9x^{5}-4x^{4}-4x^{3}-6x^{2}-4x-1)\Big/\left((x-1)^{2}(x+1)^{2}(x^{4}+1)^{2}\right)$$

Sequence: A311481
Score: 3.41098
Type of gen. func.: ogf

$$\frac{(x^{2}+x+1)(x^{10}+2x^{9}+x^{8}+x^{7}+3x^{6}+3x^{4}+x^{3}+x^{2}+2x+1)}{(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A311481
Score: 4.74266
Type of gen. func.: ogf

$$\frac{(x^{2}+x+1)(x^{10}+2x^{9}+x^{8}+x^{7}+3x^{6}+3x^{4}+x^{3}+x^{2}+2x+1)}{(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A311491
Score: 3.25393
Type of gen. func.: ogf

$$-(x^{18}-x^{17}+x^{16}-x^{15}+2x^{14}-2x^{13}+2x^{12}-2x^{11}+2x^{10}-3x^{9}-5x^{7}-5x^{6}-7x^{5}-7x^{4}-6x^{3}-5x^{2}-3x-1)\Big/\left((x^{2}-x+1)(x-1)^{2}\right.$$

2   2

$(x + x + 1))$

Sequence: A311494
Score: 4.74839
Type of gen. func.: ogf

$$\frac{x^8 + 2 x^7 + 2 x^6 + 3 x^5 + 5 x^4 + 3 x^3 + 2 x^2 + 2 x + 1}{(x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A311494
Score: 4.88309
Type of gen. func.: ogf

$$\frac{x^8 + 2 x^7 + 2 x^6 + 3 x^5 + 5 x^4 + 3 x^3 + 2 x^2 + 2 x + 1}{(x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A311501
Score: 4.62091
Type of gen. func.: ogf

$$\frac{x^8 + 2 x^7 + 2 x^6 + 2 x^5 + 3 x^4 + 2 x^3 + 2 x^2 + 2 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A311501
Score: 5.69022
Type of gen. func.: ogf

$$\frac{x^8 + 2 x^7 + 2 x^6 + 2 x^5 + 3 x^4 + 2 x^3 + 2 x^2 + 2 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A311506
Score: 4.05009
Type of gen. func.: ogf

$$\frac{(x^{10}+x^{9}+x^{8}+2x^{7}+3x^{6}+3x^{4}+2x^{3}+x^{2}+x+1)(x+1)^{2}}{(x^{4}+x^{3}+x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2}}$$

Sequence: A311508
Score: 4.12285
Type of gen. func.: ogf

$$-(x^{11}-x^{10}+x^{9}-2x^{8}-2x^{7}-4x^{6}-4x^{5}-6x^{4}-4x^{3}-3x^{2}-2x-1)(x+1)^{2} \Big/ \left((x-1)^{2}(x^{4}+x^{3}+x^{2}+x+1)^{2}\right)$$

Sequence: A311508
Score: 4.68378
Type of gen. func.: ogf

$$-(x^{11}-x^{10}+x^{9}-2x^{8}-2x^{7}-4x^{6}-4x^{5}-6x^{4}-4x^{3}-3x^{2}-2x-1)(x+1)^{2} \Big/ \left((x-1)^{2}(x^{4}+x^{3}+x^{2}+x+1)^{2}\right)$$

Sequence: A311511
Score: 3.13316
Type of gen. func.: ogf

$$-(x+1)(x^{6}+x^{4}+x+1)(x^{14}-x^{12}-x^{11}-3x^{10}-4x^{9}-6x^{8}-5x^{7}-5x^{6}-5x^{5}-5x^{4}-4x^{3}-3x^{2}-2x-1) \Big/ \left((x-1)^{2}(x^{2}+x+1)^{2}(x^{6}+x^{3}+1)\right)$$

Sequence: A311512
Score: 3.39426
Type of gen. func.: ogf

$$(x^{12}+2x^{11}+2x^{10}+2x^{9}+3x^{8}+2x^{7}+2x^{6}+2x^{5}+3x^{4}+2x^{3}+2x^{2}+2x+1) \Big/ \left((x^{2}+1)(x^{2}+x+1)(x^{2}-x+1)(x^{4}-x^{2}+1)(x-1)^{2}\right)$$

/

Sequence: A311515
Score: 3.27865
Type of gen. func.: ogf

$$-(x^{15}-2x^{12}-3x^{11}-8x^{10}-9x^{9}-11x^{8}-13x^{7}-15x^{6}-14x^{5}-10x^{4}-8x^{3}-7x^{2}-4x-1)\Big/\left((x^{4}+1)(x^{2}+x+1)(x^{2}-x+1)(x-1)^{2}(x+1)^{2}\right)$$

Sequence: A311522
Score: 3.3777
Type of gen. func.: ogf

$$-(x^{17}-x^{16}+x^{15}-2x^{14}-2x^{13}-2x^{12}-6x^{11}-5x^{10}-7x^{9}-8x^{8}-9x^{7}-8x^{6}-6x^{5}-6x^{4}-4x^{3}-3x^{2}-2x-1)\Big/\left((x-1)^{2}(x^{2}+1)^{2}(x^{4}+1)^{2}\right)$$

Sequence: A311523
Score: 4.07311
Type of gen. func.: ogf

$$\frac{(x^{2}+1)(x^{8}+x^{7}+2x^{4}+x+1)(x+1)^{2}}{(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A311523
Score: 4.74266
Type of gen. func.: ogf

$$\frac{(x^{2}+1)(x^{8}+x^{7}+2x^{4}+x+1)(x+1)^{2}}{(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A311525
Score: 3.28165
Type of gen. func.: ogf

$$-(x+1)(x^{18}-x^{17}-4x^{14}-5x^{12}-3x^{11}-6x^{10}-5x^{9}-7x^{8}-8x^{7}-5x^{6}-4x^{5}-5x^{4}-3x^{3}-2x^{2}-2x-1)/((x^{2}+x+1)(x-1)^{2}(x^{6}+x^{3}+1))$$

Sequence: A311534
Score: 3.20569
Type of gen. func.: ogf

$$-(x+1)(x^{16}-x^{13}-4x^{12}-4x^{11}-9x^{10}-10x^{9}-13x^{8}-15x^{7}-15x^{6}-12x^{5}-10x^{4}-7x^{3}-5x^{2}-3x-1)/((x-1)^{2}(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1))$$

Sequence: A311535
Score: 3.89005
Type of gen. func.: ogf

$$\frac{x^{10}+2x^{9}+2x^{8}+2x^{7}+3x^{6}+2x^{5}+3x^{4}+2x^{3}+2x^{2}+2x+1}{(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)(x-1)^{2}}$$

Sequence: A311536
Score: 6.1623
Type of gen. func.: ogf

$$\frac{x^{8}+2x^{7}+x^{6}+x^{4}+x^{2}+2x+1}{(x^{2}+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A311536
Score: 6.38844
Type of gen. func.: ogf

$$\frac{x^8 + 2x^7 + x^6 + x^4 + x^2 + 2x + 1}{(x^2 + 1)(x^4 - x^2 + 1)(x - 1)^2}$$

Sequence: A311541
Score: 3.33177
Type of gen. func.: ogf

$$(x^{12} + 3x^{11} + 4x^{10} + 4x^9 + 5x^8 + 5x^7 + 6x^6 + 5x^5 + 5x^4 + 4x^3 + 4x^2 + 3x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2)$$

Sequence: A311541
Score: 4.76945
Type of gen. func.: ogf

$$(x^{12} + 3x^{11} + 4x^{10} + 4x^9 + 5x^8 + 5x^7 + 6x^6 + 5x^5 + 5x^4 + 4x^3 + 4x^2 + 3x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2)$$

Sequence: A311545
Score: 3.95673
Type of gen. func.: ogf

$$-(x^{14} + 2x^{12} - x^{11} + 2x^{10} - 3x^9 - x^8 - 7x^7 - 7x^6 - 11x^5 - 11x^4 - 9x^3 - 6x^2 - 3x - 1) \Big/ ((x^2 + x + 1)(x - 1)^2 (x^2 + 1)^2)$$

Sequence: A311548
Score: 5.36766

Type of gen. func.: ogf

$$\frac{(x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x + 1)^2}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A311548
Score: 5.45219
Type of gen. func.: ogf

$$\frac{(x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x + 1)^2}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A311549
Score: 4.40410
Type of gen. func.: ogf

$$\frac{(x^8 + x^7 + x^6 + x^4 + x^2 + x + 1) (x + 1)^2}{(x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A311549
Score: 4.82932
Type of gen. func.: ogf

$$\frac{(x^8 + x^7 + x^6 + x^4 + x^2 + x + 1) (x + 1)^2}{(x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A311552
Score: 3.91202
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^9 + 2 x^8 + 2 x^7 + 3 x^6 + 3 x^5 + 3 x^4 + 2 x^3 + 2 x^2 + 2 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A311553
Score: 3.39928
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1)\,(x^8 + 2\,x^7 + 2\,x^6 + x^5 + x^4 + x^3 + 2\,x^2 + 2\,x + 1)\,(x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A311553
Score: 4.79625
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1)\,(x^8 + 2\,x^7 + 2\,x^6 + x^5 + x^4 + x^3 + 2\,x^2 + 2\,x + 1)\,(x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A311554
Score: 3.43261
Type of gen. func.: ogf

$$(x^{12} + 2\,x^{11} + 2\,x^{10} + 2\,x^9 + 3\,x^8 + 3\,x^7 + 3\,x^6 + 3\,x^5 + 3\,x^4 + 2\,x^3 + 2\,x^2 + 2\,x + 1) \Big/ \left((x^2 + 1)\,(x^2 + x + 1)\,(x^2 - x + 1)\,(x^4 - x^2 + 1)\,(x - 1)^2\right)$$

Sequence: A311559
Score: 3.14391
Type of gen. func.: ogf

$$(x^{14} + 3\,x^{13} + 4\,x^{12} + 5\,x^{11} + 9\,x^{10} + 6\,x^9 + 9\,x^8 + 14\,x^7 + 9\,x^6 + 6\,x^5 + 9\,x^4 + 5\,x^3 + 4\,x^2 + 3\,x + 1) \Big/ \left((x^6 + x^3 + 1)\,(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2\right)$$

Sequence: A311570
Score: 4.8487
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + 5 x^6 + 7 x^5 + 10 x^4 + 7 x^3 + 5 x^2 + 3 x + 1}{(x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A311570
Score: 4.84870
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + 5 x^6 + 7 x^5 + 10 x^4 + 7 x^3 + 5 x^2 + 3 x + 1}{(x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A311586
Score: 4.88309
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^6 + 3 x^5 + 3 x^4 + x^3 + 3 x^2 + 3 x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A311586
Score: 6.31666
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^6 + 3 x^5 + 3 x^4 + x^3 + 3 x^2 + 3 x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A311592
Score: 5.16737
Type of gen. func.: ogf

$$- \frac{2 x^{10} - x^8 - 6 x^7 - 10 x^6 - 14 x^5 - 16 x^4 - 12 x^3 - 8 x^2 - 4 x - 1}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A311592
Score: 5.86803
Type of gen. func.: ogf

$$-\frac{2 x^{10} - x^{8} - 6 x^{7} - 10 x^{6} - 14 x^{5} - 16 x^{4} - 12 x^{3} - 8 x^{2} - 4 x - 1}{(x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2}}$$

Sequence: A311593
Score: 3.31305
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 4 x^{10} + 4 x^{9} + 6 x^{8} + 4 x^{7} + 4 x^{6} + 4 x^{5} + 6 x^{4} + 4 x^{3} + 4 x^{2} + 3 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A311593
Score: 4.74266
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 4 x^{10} + 4 x^{9} + 6 x^{8} + 4 x^{7} + 4 x^{6} + 4 x^{5} + 6 x^{4} + 4 x^{3} + 4 x^{2} + 3 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A311601
Score: 3.95673
Type of gen. func.: ogf

$$\frac{(x^{8} + 2 x^{7} + x^{6} + 3 x^{4} + x^{2} + 2 x + 1) (x^{2} + 1)}{(x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A311601
Score: 4.3008
Type of gen. func.: ogf

$$\frac{(x^8 + 2x^7 + x^6 + 3x^4 + x^2 + 2x + 1)(x^2 + 1)}{(x^4 + x^3 + x^2 + x + 1)(x^4 - x^3 + x^2 - x + 1)(x - 1)^2}$$

Sequence: A311611
Score: 3.62528
Type of gen. func.: ogf

$$-(x^2 + 1)(2x^{12} - 3x^{10} - 6x^9 - 3x^8 - 10x^7 - 15x^6 - 14x^5 - 11x^4 - 8x^3 - 7x^2 - 4x - 1) \Big/ \left((x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2\right)$$

Sequence: A311611
Score: 4.41037
Type of gen. func.: ogf

$$-(x^2 + 1)(2x^{12} - 3x^{10} - 6x^9 - 3x^8 - 10x^7 - 15x^6 - 14x^5 - 11x^4 - 8x^3 - 7x^2 - 4x - 1) \Big/ \left((x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2\right)$$

Sequence: A311612
Score: 4.61619
Type of gen. func.: ogf

$$\frac{x^{10} + 3x^9 + 4x^8 + 4x^7 + 6x^6 + 4x^5 + 6x^4 + 4x^3 + 4x^2 + 3x + 1}{(x^2 + x + 1)(x^6 + x^3 + 1)(x - 1)^2}$$

Sequence: A311612
Score: 5.45219
Type of gen. func.: ogf

$$\frac{x^{10} + 3x^9 + 4x^8 + 4x^7 + 6x^6 + 4x^5 + 6x^4 + 4x^3 + 4x^2 + 3x + 1}{(x^2 + x + 1)(x^6 + x^3 + 1)(x - 1)^2}$$

Sequence: A311613
Score: 3.36396
Type of gen. func.: ogf

$$(x^2 + 1) (x^{10} + 3 x^9 + 3 x^8 + x^7 + 3 x^6 + 3 x^5 + 3 x^4 + x^3 + 3 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A311613
Score: 4.76945
Type of gen. func.: ogf

$$(x^2 + 1) (x^{10} + 3 x^9 + 3 x^8 + x^7 + 3 x^6 + 3 x^5 + 3 x^4 + x^3 + 3 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A311624
Score: 3.72374
Type of gen. func.: ogf

$$- (x^{18} - x^{17} + 2 x^{14} - 3 x^{13} - 2 x^{11} - x^{10} - 5 x^9 - 4 x^8 - 3 x^7 - 4 x^6 - 4 x^5 - 5 x^4 - 2 x^3 - 2 x^2 - 2 x - 1) / ((x^2 + 1) (x - 1)^2 (x^4 + 1)^2)$$

Sequence: A311625
Score: 4.67342
Type of gen. func.: ogf

$$\frac{x^8 + 2 x^7 + 2 x^6 + 2 x^5 + 4 x^4 + 2 x^3 + 2 x^2 + 2 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A311625
Score: 5.75488
Type of gen. func.: ogf

$$\frac{x^8 + 2x^7 + 2x^6 + 2x^5 + 4x^4 + 2x^3 + 2x^2 + 2x + 1}{(x^4 + 1)(x^2 + 1)(x - 1)^2}$$

Sequence: A311626
Score: 3.44952
Type of gen. func.: ogf

$$\frac{(x^{10} + x^9 + x^8 + x^7 + 3x^6 - x^5 + 3x^4 + x^3 + x^2 + x + 1)(x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A311626
Score: 4.79625
Type of gen. func.: ogf

$$\frac{(x^{10} + x^9 + x^8 + x^7 + 3x^6 - x^5 + 3x^4 + x^3 + x^2 + x + 1)(x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A311633
Score: 4.67342
Type of gen. func.: ogf

$$\frac{x^8 + 2x^7 + x^6 + x^5 + 4x^4 + x^3 + x^2 + 2x + 1}{(x^6 + x^3 + 1)(x - 1)^2}$$

Sequence: A311633
Score: 6.1623
Type of gen. func.: ogf

$$\frac{x^8 + 2x^7 + x^6 + x^5 + 4x^4 + x^3 + x^2 + 2x + 1}{(x^6 + x^3 + 1)(x - 1)^2}$$

Sequence: A311634

Score: 3.934
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^9 + 2 x^8 + 2 x^7 + 4 x^6 + 2 x^5 + 4 x^4 + 2 x^3 + 2 x^2 + 2 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A311635
Score: 3.40176
Type of gen. func.: ogf

$$(x^2 + 1) (x^{10} + 3 x^9 + 3 x^8 + x^7 + 3 x^6 + 5 x^5 + 3 x^4 + x^3 + 3 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A311635
Score: 4.82304
Type of gen. func.: ogf

$$(x^2 + 1) (x^{10} + 3 x^9 + 3 x^8 + x^7 + 3 x^6 + 5 x^5 + 3 x^4 + x^3 + 3 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A311647
Score: 4.09721
Type of gen. func.: ogf

$$- \frac{x^{10} + x^9 - 2 x^8 - 5 x^7 - 9 x^6 - 13 x^5 - 15 x^4 - 11 x^3 - 8 x^2 - 4 x - 1}{(x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A311647
Score: 5.20623
Type of gen. func.: ogf

$$- \frac{x^{10} + x^9 - 2 x^8 - 5 x^7 - 9 x^6 - 13 x^5 - 15 x^4 - 11 x^3 - 8 x^2 - 4 x - 1}{(x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A311651
Score: 4.8357
Type of gen. func.: ogf

$$-\frac{4x^{9}-x^{7}-12x^{6}-8x^{5}-15x^{4}-11x^{3}-8x^{2}-4x-1}{(x+1)(x^{2}+1)(x^{2}+x+1)(x-1)^{2}}$$

Sequence: A311651
Score: 6.00293
Type of gen. func.: ogf

$$-\frac{4x^{9}-x^{7}-12x^{6}-8x^{5}-15x^{4}-11x^{3}-8x^{2}-4x-1}{(x+1)(x^{2}+1)(x^{2}+x+1)(x-1)^{2}}$$

Sequence: A311663
Score: 3.72475
Type of gen. func.: ogf

$$-(2x^{14}-x^{12}-6x^{11}-8x^{10}-14x^{9}-19x^{8}-22x^{7}-20x^{6}-22x^{5}-19x^{4}-12x^{3}-8x^{2}-4x-1)\Big/\left((x^{4}+1)(x-1)^{2}(x+1)^{2}(x^{2}+1)^{2}\right)$$

Sequence: A311663
Score: 4.24395
Type of gen. func.: ogf

$$-(2x^{14}-x^{12}-6x^{11}-8x^{10}-14x^{9}-19x^{8}-22x^{7}-20x^{6}-22x^{5}-19x^{4}-12x^{3}-8x^{2}-4x-1)\Big/\left((x^{4}+1)(x-1)^{2}(x+1)^{2}(x^{2}+1)^{2}\right)$$

Sequence: A311669
Score: 3.37243
Type of gen. func.: ogf

```
  14      13      12       11       10       9       8       7       6       5
(x   + 4 x   + 8 x   + 13 x   + 16 x   + 21 x  + 25 x  + 27 x  + 24 x  + 22 x

           4       3      2              /         2
     + 15 x  + 13 x  + 8 x  + 4 x + 1)  /  ((x - 1)
                                       /

      6    5    4    3    2         2
    (x  + x  + x  + x  + x  + x + 1) )


-------------------------------------------------------------------------------

Sequence:  A311669
Score: 4.07502
Type of gen. func.: ogf


  14      13      12       11       10       9       8       7       6       5
(x   + 4 x   + 8 x   + 13 x   + 16 x   + 21 x  + 25 x  + 27 x  + 24 x  + 22 x

           4       3      2              /         2
     + 15 x  + 13 x  + 8 x  + 4 x + 1)  /  ((x - 1)
                                       /

      6    5    4    3    2         2
    (x  + x  + x  + x  + x  + x + 1) )


-------------------------------------------------------------------------------

Sequence:  A311704
Score: 3.95725
Type of gen. func.: ogf


      2            8      7      6      5      3      2                   2
    (x  - x + 1) (x  + 2 x  + 2 x  + 3 x  + 3 x  + 2 x  + 2 x + 1) (x + 1)
    -----------------------------------------------------------------------
                   4    3    2            6    3             2
                 (x  + x  + x  + x + 1) (x  + x  + 1) (x - 1)


-------------------------------------------------------------------------------

Sequence:  A311709
Score: 4.72141
Type of gen. func.: ogf


        5      4    3      2            5      4      3      2
      (x  + 2 x  + x  + 2 x  + x + 1) (x  + 2 x  + 3 x  + 3 x  + 3 x + 1)
      -------------------------------------------------------------------
                              2   4    3    2         2
                       (x - 1)  (x  + x  + x  + x + 1)


-------------------------------------------------------------------------------

Sequence:  A311709
Score: 5.34847
Type of gen. func.: ogf


        5      4    3      2            5      4      3      2
      (x  + 2 x  + x  + 2 x  + x + 1) (x  + 2 x  + 3 x  + 3 x  + 3 x + 1)
      -------------------------------------------------------------------
                              2   4    3    2         2
                       (x - 1)  (x  + x  + x  + x + 1)
```

Sequence: A311713
Score: 3.42545
Type of gen. func.: ogf

```
  15      14      13      12      11       10       9       8       7       6
(x   + 3 x   + 5 x   + 8 x   + 8 x   + 13 x   + 13 x  + 17 x  + 15 x  + 13 x

           5      4      3      2              /                 2   2     2
     + 13 x  + 8 x  + 8 x  + 5 x  + 3 x + 1)  /  ((x + 1) (x - 1)  (x  + 1)
                                             /

      4     2
    (x  + 1) )
```

Sequence: A311744
Score: 3.66495
Type of gen. func.: ogf

```
    14      13      12    10      9      8       7       6       5       4
- (x   + 2 x   + 3 x   + x   - 7 x  - 6 x  - 16 x  - 17 x  - 22 x  - 19 x

           3      2              /            2                 2   2     2
     - 16 x  - 9 x  - 4 x - 1)  /  ((x + 1) (x  + x + 1) (x - 1)  (x  + 1) )
                               /
```

Sequence: A311800
Score: 4.17441
Type of gen. func.: ogf

```
  12      11    10      9      8      7      6      5      4      3    2
(x   + 2 x   + x   + 2 x  + 2 x  + 3 x  + 3 x  + 3 x  + 2 x  + 2 x  + x  + 2 x

            /    6    3        4             2
     + 1)  /  ((x  + x  + 1) (x  + 1) (x - 1) )
          /
```

Sequence: A311801
Score: 3.37508
Type of gen. func.: ogf

```
  12      11      10      9    8      7    6      5    4      3      2
(x   + 2 x   + 2 x   + 3 x  + x  + 3 x  + x  + 3 x  + x  + 3 x  + 2 x  + 2 x

            /    2        2            2            4    2             2
     + 1)  /  ((x  + 1) (x  + x + 1) (x  - x + 1) (x  - x  + 1) (x - 1) )
          /
```

Sequence: A311803
Score: 3.01981
Type of gen. func.: ogf

$$(x^2 + x + 1) (x^{12} + 2 x^{11} + 2 x^{10} + 4 x^9 + 3 x^8 + 5 x^7 + 5 x^6 + 5 x^5 + 3 x^4 + 4 x^3 + 2 x^2 + 2 x + 1) / ((x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x - 1)^2)$$

Sequence: A311804
Score: 3.29434
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 4 x^{10} + 5 x^9 + 4 x^8 + 4 x^7 + 4 x^6 + 4 x^5 + 4 x^4 + 5 x^3 + 4 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A311804
Score: 4.71586
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 4 x^{10} + 5 x^9 + 4 x^8 + 4 x^7 + 4 x^6 + 4 x^5 + 4 x^4 + 5 x^3 + 4 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A311806
Score: 3.14391
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 5 x^{10} + 8 x^9 + 9 x^8 + 12 x^7 + 12 x^6 + 12 x^5 + 9 x^4 + 8 x^3 + 5 x^2 + 3 x + 1) / ((x^2 + x + 1) (x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)$$

/

$(x - 1)^{2})$

Sequence: A311807
Score: 6.09306
Type of gen. func.: ogf

$$\frac{(x^{2} + x + 1)\,(x^{4} + 2\,x^{3} + x^{2} + 2\,x + 1)}{(x^{4} + x^{3} + x^{2} + x + 1)\,(x - 1)^{2}}$$

Sequence: A311807
Score: 7.40340
Type of gen. func.: ogf

$$\frac{(x^{2} + x + 1)\,(x^{4} + 2\,x^{3} + x^{2} + 2\,x + 1)}{(x^{4} + x^{3} + x^{2} + x + 1)\,(x - 1)^{2}}$$

Sequence: A311816
Score: 4.62091
Type of gen. func.: ogf

$$\frac{(x^{8} + 3\,x^{7} + 3\,x^{6} + 2\,x^{5} + x^{4} + 2\,x^{3} + 3\,x^{2} + 3\,x + 1)\,(x^{2} + 1)}{(x^{2} + x + 1)\,(x^{6} + x^{3} + 1)\,(x - 1)^{2}}$$

Sequence: A311816
Score: 5.42139
Type of gen. func.: ogf

$$\frac{(x^{8} + 3\,x^{7} + 3\,x^{6} + 2\,x^{5} + x^{4} + 2\,x^{3} + 3\,x^{2} + 3\,x + 1)\,(x^{2} + 1)}{(x^{2} + x + 1)\,(x^{6} + x^{3} + 1)\,(x - 1)^{2}}$$

Sequence: A311817
Score: 3.35861

Type of gen. func.: ogf

$$-(x^{17}+x^{13}-2x^{12}-5x^{11}-9x^{10}-13x^{9}-18x^{8}-22x^{7}-23x^{6}-21x^{5}-17x^{4}-13x^{3}-8x^{2}-4x-1) / ((x-1)^{2}(x+1)^{2}(x^{2}+x+1)^{2}(x^{2}-x+1)^{2})$$

Sequence: A311817
Score: 4.14769
Type of gen. func.: ogf

$$-(x^{17}+x^{13}-2x^{12}-5x^{11}-9x^{10}-13x^{9}-18x^{8}-22x^{7}-23x^{6}-21x^{5}-17x^{4}-13x^{3}-8x^{2}-4x-1) / ((x-1)^{2}(x+1)^{2}(x^{2}+x+1)^{2}(x^{2}-x+1)^{2})$$

Sequence: A311843
Score: 4.62091
Type of gen. func.: ogf

$$\frac{x^{8}+2x^{7}+2x^{6}+3x^{5}+x^{4}+3x^{3}+2x^{2}+2x+1}{(x^{4}+1)(x^{2}+1)(x-1)^{2}}$$

Sequence: A311843
Score: 5.69022
Type of gen. func.: ogf

$$\frac{x^{8}+2x^{7}+2x^{6}+3x^{5}+x^{4}+3x^{3}+2x^{2}+2x+1}{(x^{4}+1)(x^{2}+1)(x-1)^{2}}$$

Sequence: A311855
Score: 3.93425
Type of gen. func.: ogf

$$-(x^{12}-2x^{11}+3x^{10}-3x^{9}+x^{8}-4x^{7}-2x^{6}-6x^{5}-4x^{4}-5x^{3}-3x^{2}-2x-1)(x+1)^{2}\Big/\left((x-1)^{2}(x^{4}+x^{3}+x^{2}+x+1)^{2}\right)$$

Sequence: A311855
Score: 4.74266
Type of gen. func.: ogf

$$-(x^{12}-2x^{11}+3x^{10}-3x^{9}+x^{8}-4x^{7}-2x^{6}-6x^{5}-4x^{4}-5x^{3}-3x^{2}-2x-1)(x+1)^{2}\Big/\left((x-1)^{2}(x^{4}+x^{3}+x^{2}+x+1)^{2}\right)$$

Sequence: A311861
Score: 4.38246
Type of gen. func.: ogf

$$\frac{x^{10}+3x^{9}+4x^{8}+4x^{7}+x^{6}+x^{4}+4x^{3}+4x^{2}+3x+1}{(x^{2}+1)(x^{2}+x+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A311861
Score: 4.58562
Type of gen. func.: ogf

$$\frac{x^{10}+3x^{9}+4x^{8}+4x^{7}+x^{6}+x^{4}+4x^{3}+4x^{2}+3x+1}{(x^{2}+1)(x^{2}+x+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A311889
Score: 3.41098
Type of gen. func.: ogf

$$\frac{(x^{10}+x^{9}+x^{8}+2x^{7}-x^{6}+4x^{5}-x^{4}+2x^{3}+x^{2}+x+1)(x+1)^{2}}{(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A311889
Score: 4.74266
Type of gen. func.: ogf

$$\frac{(x^{10} + x^9 + x^8 + 2 x^7 - x^6 + 4 x^5 - x^4 + 2 x^3 + x^2 + x + 1) (x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A311905
Score: 2.84511
Type of gen. func.: ogf

$$(x^{16} + x^{15} + 2 x^{13} + 4 x^{11} - 2 x^{10} + 4 x^9 + x^8 + 4 x^7 - 2 x^6 + 4 x^5 + 2 x^3 + x + 1) / ((x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2)$$

Sequence: A311907
Score: 3.34231
Type of gen. func.: ogf

$$(x^{14} + 2 x^{13} + x^{12} + 2 x^{11} + x^{10} + 2 x^9 + 2 x^8 + 3 x^7 + 2 x^6 + 2 x^5 + x^4 + 2 x^3 + x^2 + 2 x + 1) / ((x^2 + 1) (x^4 - x^2 + 1) (x^6 + x^3 + 1) (x - 1)^2)$$

Sequence: A311914
Score: 4.74839
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^6 + 2 x^5 + x^4 + 2 x^3 + x^2 + 2 x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A311914
Score: 6.31666
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)(x^6 + 2x^5 + x^4 + 2x^3 + x^2 + 2x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A311924
Score: 4.49629
Type of gen. func.: ogf

$$\frac{x^{10} + 2x^9 + x^8 + x^7 + 3x^5 + x^3 + x^2 + 2x + 1}{(x^2 + x + 1)(x^2 - x + 1)(x^4 - x^2 + 1)(x - 1)^2}$$

Sequence: A311924
Score: 4.58562
Type of gen. func.: ogf

$$\frac{x^{10} + 2x^9 + x^8 + x^7 + 3x^5 + x^3 + x^2 + 2x + 1}{(x^2 + x + 1)(x^2 - x + 1)(x^4 - x^2 + 1)(x - 1)^2}$$

Sequence: A311930
Score: 3.80396
Type of gen. func.: ogf

$$-(x^{15} - x^{13} + x^{11} - 2x^{10} - 4x^9 - 8x^8 - 9x^7 - 9x^6 - 9x^5 - 9x^4 - 9x^3 - 7x^2 - 4x - 1) / ((x^2 + 1)(x^4 + 1)(x + 1)^2 (x - 1)^2)$$

Sequence: A311930
Score: 4.35770
Type of gen. func.: ogf

$$-(x^{15} - x^{13} + x^{11} - 2x^{10} - 4x^9 - 8x^8 - 9x^7 - 9x^6 - 9x^5 - 9x^4 - 9x^3 - 7x^2 - 4x - 1) / ((x^2 + 1)(x^4 + 1)(x + 1)^2 (x - 1)^2)$$

Sequence: A311931
Score: 6.09306
Type of gen. func.: ogf

$$-\frac{x^9 - 2x^6 - 5x^5 - 8x^4 - 9x^3 - 7x^2 - 4x - 1}{(x^2 + 1)(x - 1)^2 (x + 1)^2}$$

Sequence: A311931
Score: 6.55730
Type of gen. func.: ogf

$$-\frac{x^9 - 2x^6 - 5x^5 - 8x^4 - 9x^3 - 7x^2 - 4x - 1}{(x^2 + 1)(x - 1)^2 (x + 1)^2}$$

Sequence: A311932
Score: 3.28165
Type of gen. func.: ogf

$$(x^2 + x + 1)(x^{10} + 2x^9 + x^8 + 2x^7 + x^6 + 2x^5 + x^4 + 2x^3 + x^2 + 2x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2)$$

Sequence: A311932
Score: 4.74266
Type of gen. func.: ogf

$$(x^2 + x + 1)(x^{10} + 2x^9 + x^8 + 2x^7 + x^6 + 2x^5 + x^4 + 2x^3 + x^2 + 2x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2)$$

Sequence: A311938
Score: 3.80455
Type of gen. func.: ogf

$$(x^{14} + x^{13} + x^{12} + 3x^{11} + 6x^9 - 2x^8 + 10x^7 - 2x^6 + 6x^5 + 3x^3 + x^2 + x$$

$$+ 1) (x + 1)^2 / ((x^2 + x + 1) (x - 1)^2 (x^6 + x^3 + 1)^2)$$

Sequence: A311943
Score: 5.20623
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + 4 x^6 + 4 x^5 + 2 x^4 + 4 x^3 + 4 x^2 + 3 x + 1}{(x^2 + x + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A311943
Score: 5.53942
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + 4 x^6 + 4 x^5 + 2 x^4 + 4 x^3 + 4 x^2 + 3 x + 1}{(x^2 + x + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A311958
Score: 3.89005
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^9 + 2 x^8 + 3 x^7 + x^6 + 4 x^5 + x^4 + 3 x^3 + 2 x^2 + 2 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A311964
Score: 5.23564
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^6 + x^5 - x^4 + x^3 - x^2 + x + 1)}{(x^2 + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A311964
Score: 5.57072
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)\,(x^6 + x^5 - x^4 + x^3 - x^2 + x + 1)}{(x^2 + 1)\,(x^4 - x^2 + 1)\,(x - 1)^2}$$

Sequence: A311966
Score: 3.5328
Type of gen. func.: ogf

$$-(2 x^{13} - 3 x^{12} - 5 x^{11} - 6 x^{10} - 13 x^9 - 12 x^8 - 10 x^7 - 14 x^6 - 12 x^5 - 12 x^4 - 10 x^3 - 7 x^2 - 4 x - 1) \Big/ ((x^2 + 1)\,(x^6 + x^3 + 1)\,(x + 1)^2\,(x - 1)^2)$$

Sequence: A311972
Score: 3.97947
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)\,(x^{10} + x^9 + x^8 + 3 x^7 + 6 x^5 + 3 x^3 + x^2 + x + 1)\,(x + 1)^2}{(x - 1)^2\,(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A311972
Score: 4.12160
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)\,(x^{10} + x^9 + x^8 + 3 x^7 + 6 x^5 + 3 x^3 + x^2 + x + 1)\,(x + 1)^2}{(x - 1)^2\,(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A311973
Score: 4.61152
Type of gen. func.: ogf

$$-\frac{x^{11} - x^{10} + 2 x^9 - 2 x^8 - x^6 - 4 x^5 - x^4 - 3 x^3 - 2 x^2 - 2 x - 1}{(x^2 + x + 1)\,(x^2 - x + 1)\,(x - 1)^2}$$

Sequence: A311980
Score: 3.38029
Type of gen. func.: ogf

```
    16    14      11      10       9      8       7       6       5       4
- (x   + x   - 3 x   - 3 x   - 11 x  - 7 x  - 13 x  - 11 x  - 13 x  - 10 x

          3      2              /             4    3    2            4
     - 9 x  - 7 x  - 4 x - 1)  /  ((x + 1) (x  + x  + x  + x + 1) (x  + 1)
                              /

           2
    (x - 1) )
```

Sequence: A311991
Score: 3.38029
Type of gen. func.: ogf

```
    15    13      12      11        10       9       8       7       6       5
- (x   + x   - 2 x   - 3 x   - 11 x   - 12 x  - 20 x  - 23 x  - 25 x  - 23 x

           4       3      2             /         2        2   2         2
     - 17 x  - 13 x  - 8 x  - 4 x - 1)  /  ((x - 1)  (x + 1)  (x  + x + 1)
                                       /

      2         2
    (x  - x + 1) )
```

Sequence: A311991
Score: 4.16970
Type of gen. func.: ogf

```
    15    13      12      11        10       9       8       7       6       5
- (x   + x   - 2 x   - 3 x   - 11 x   - 12 x  - 20 x  - 23 x  - 25 x  - 23 x

           4       3      2             /         2        2   2         2
     - 17 x  - 13 x  - 8 x  - 4 x - 1)  /  ((x - 1)  (x + 1)  (x  + x + 1)
                                       /

      2         2
    (x  - x + 1) )
```

Sequence: A311993
Score: 4.61619
Type of gen. func.: ogf

```
      10      9      8      7      6      5      4      3      2
     x   + 3 x  + 4 x  + 5 x  + 4 x  + 6 x  + 4 x  + 5 x  + 4 x  + 3 x + 1
     ---------------------------------------------------------------------
                        2            6    3             2
```

$$(x + x + 1) (x + x + 1) (x - 1)$$

Sequence: A311993
Score: 5.45219
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 4 x^8 + 5 x^7 + 4 x^6 + 6 x^5 + 4 x^4 + 5 x^3 + 4 x^2 + 3 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A311994
Score: 3.33177
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 4 x^{10} + 5 x^9 + 4 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 4 x^4 + 5 x^3 + 4 x^2 + 3 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A311994
Score: 4.76945
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 4 x^{10} + 5 x^9 + 4 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 4 x^4 + 5 x^3 + 4 x^2 + 3 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A311998
Score: 4.07216
Type of gen. func.: ogf

$$- \frac{x^{11} + x^{10} - x^9 + x^8 - 5 x^7 - x^6 - 7 x^5 - 4 x^4 - 5 x^3 - 4 x^2 - 3 x - 1}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A311998
Score: 5.15807
Type of gen. func.: ogf

$$-\frac{x^{11}+x^{10}-x^{9}+x^{8}-5x^{7}-x^{6}-7x^{5}-4x^{4}-5x^{3}-4x^{2}-3x-1}{(x+1)(x^{2}+x+1)(x^{2}-x+1)(x-1)^{2}}$$

Sequence: A312006
Score: 3.42545
Type of gen. func.: ogf

$$(x^{11}+4x^{10}+9x^{9}+13x^{8}+16x^{7}+18x^{6}+16x^{5}+17x^{4}+13x^{3}+8x^{2}+4x+1) \Big/ ((x+1)(x^{2}+1)(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2})$$

Sequence: A312006
Score: 4.71586
Type of gen. func.: ogf

$$(x^{11}+4x^{10}+9x^{9}+13x^{8}+16x^{7}+18x^{6}+16x^{5}+17x^{4}+13x^{3}+8x^{2}+4x+1) \Big/ ((x+1)(x^{2}+1)(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2})$$

Sequence: A312014
Score: 3.22926
Type of gen. func.: ogf

$$(x^{12}+x^{11}+x^{10}+3x^{9}+x^{8}+2x^{7}+4x^{6}+2x^{5}+x^{4}+3x^{3}+x^{2}+x+1)(x+1)^{2} \Big/ ((x^{6}+x^{3}+1)(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2})$$

Sequence: A312049

Score: 3.06384
Type of gen. func.: ogf

$$-\left(x^{2}+1\right)\left(x^{15}-x^{14}+x^{12}-x^{11}-x^{10}-2x^{9}-3x^{8}-2x^{7}-4x^{6}-4x^{5}-3x^{4}-3x^{3}-2x^{2}-2x-1\right)(x+1)^{2}\Big/\left((x-1)^{2}\left(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1\right)\right)$$

Sequence: A312065
Score: 5.91819
Type of gen. func.: ogf

$$\frac{x^{6}+2x^{5}+2x^{4}+3x^{3}+2x^{2}+2x+1}{\left(x^{2}+x+1\right)\left(x^{2}-x+1\right)(x-1)^{2}}$$

Sequence: A312065
Score: 6.12768
Type of gen. func.: ogf

$$\frac{x^{6}+2x^{5}+2x^{4}+3x^{3}+2x^{2}+2x+1}{\left(x^{2}+x+1\right)\left(x^{2}-x+1\right)(x-1)^{2}}$$

Sequence: A312067
Score: 3.51284
Type of gen. func.: ogf

$$-\left(x^{16}-x^{15}-x^{14}-x^{13}-5x^{12}-3x^{11}-7x^{10}-6x^{9}-8x^{8}-9x^{7}-7x^{6}-7x^{5}-5x^{4}-5x^{3}-3x^{2}-2x-1\right)\Big/\left((x-1)^{2}\left(x^{4}+1\right)^{2}\left(x^{2}+1\right)^{2}\right)$$

Sequence: A312068
Score: 3.56922
Type of gen. func.: ogf

$$\left(x^{2}+1\right)\left(x^{2}+x+1\right)\left(x^{6}-x^{4}+2x^{3}-x^{2}+1\right)(x+1)^{2}$$

$$\overline{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A312068
Score: 4.74266
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^2 + x + 1) (x^6 - x^4 + 2 x^3 - x^2 + 1) (x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A312070
Score: 3.39426
Type of gen. func.: ogf

$$(x^2 + x + 1)$$

$$(x^{12} - x^{11} + x^{10} + x^9 - 3 x^8 + 5 x^7 - 5 x^6 + 5 x^5 - 3 x^4 + x^3 + x^2 - x + 1)$$

$$(x + 1)^2 \Big/ ((x^2 + 1) (x^4 + 1) (x^8 + 1) (x - 1)^2)$$

Sequence: A312077
Score: 3.91202
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^8 + 2 x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + 2 x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A312100
Score: 5.36766
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^6 + x^5 + x^3 + x + 1) (x + 1)^2}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A312100
Score: 5.45219
Type of gen. func.: ogf

$$\frac{(x^2 + 1)(x^6 + x^5 + x^3 + x + 1)(x + 1)^2}{(x^2 + x + 1)(x^6 + x^3 + 1)(x - 1)^2}$$

Sequence: A312101
Score: 3.41343
Type of gen. func.: ogf

$$(x^{12} + 2 x^{11} + 2 x^{10} + 3 x^9 + 2 x^8 + 2 x^7 + 3 x^6 + 2 x^5 + 2 x^4 + 3 x^3 + 2 x^2 + 2 x + 1) / ((x^2 + 1)(x^2 + x + 1)(x^2 - x + 1)(x^4 - x^2 + 1)(x - 1)^2)$$

Sequence: A312106
Score: 3.93425
Type of gen. func.: ogf

$$(x^2 + x + 1)(x^{12} + x^{11} + x^{10} + 3 x^9 + x^8 + 3 x^7 + 4 x^6 + 3 x^5 + x^4 + 3 x^3 + x^2 + x + 1) / ((x - 1)^2 (x^2 + 1)^2 (x^4 + 1)^2)$$

Sequence: A312113
Score: 4.32509
Type of gen. func.: ogf

$$\frac{(x^8 + x^7 + x^6 + x^5 - x^4 + x^3 + x^2 + x + 1)(x + 1)^2}{(x^2 + 1)(x^2 + x + 1)(x^4 - x^2 + 1)(x - 1)^2}$$

Sequence: A312113
Score: 4.61152
Type of gen. func.: ogf

$$\frac{(x^{8}+x^{7}+x^{6}+x^{5}-x^{4}+x^{3}+x^{2}+x+1)\,(x+1)^{2}}{(x^{2}+1)\,(x^{2}+x+1)\,(x^{4}-x^{2}+1)\,(x-1)^{2}}$$

Sequence: A312118
Score: 3.49711
Type of gen. func.: ogf

$$-(x^{14}+x^{13}-2\,x^{12}-4\,x^{11}-10\,x^{10}-13\,x^{9}-18\,x^{8}-18\,x^{7}-18\,x^{6}-19\,x^{5}-17\,x^{4}-13\,x^{3}-8\,x^{2}-4\,x-1)\,/\,((x^{4}+1)\,(x-1)^{2}\,(x+1)^{2}\,(x^{2}+1)^{2})$$

Sequence: A312118
Score: 3.95673
Type of gen. func.: ogf

$$-(x^{14}+x^{13}-2\,x^{12}-4\,x^{11}-10\,x^{10}-13\,x^{9}-18\,x^{8}-18\,x^{7}-18\,x^{6}-19\,x^{5}-17\,x^{4}-13\,x^{3}-8\,x^{2}-4\,x-1)\,/\,((x^{4}+1)\,(x-1)^{2}\,(x+1)^{2}\,(x^{2}+1)^{2})$$

Sequence: A312122
Score: 4.32768
Type of gen. func.: ogf

$$-(x+1)\,(x^{11}-2\,x^{9}-2\,x^{8}-7\,x^{7}-8\,x^{6}-11\,x^{5}-10\,x^{4}-8\,x^{3}-5\,x^{2}-3\,x-1)\,/\,((x-1)^{2}\,(x^{4}+x^{3}+x^{2}+x+1)^{2})$$

Sequence: A312122
Score: 4.74266
Type of gen. func.: ogf

$$- (x + 1) (x^{11} - 2 x^9 - 2 x^8 - 7 x^7 - 8 x^6 - 11 x^5 - 10 x^4 - 8 x^3 - 5 x^2 - 3 x - 1) / ((x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A312123
Score: 4.86951
Type of gen. func.: ogf

$$\frac{x^{10} + x^9 + 2 x^7 + x^5 + 2 x^3 + x + 1}{(x^2 + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A312123
Score: 5.19657
Type of gen. func.: ogf

$$\frac{x^{10} + x^9 + 2 x^7 + x^5 + 2 x^3 + x + 1}{(x^2 + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A312125
Score: 3.58938
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^6 + 2 x^5 - x^3 + 2 x + 1)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A312125
Score: 4.76945
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^6 + 2 x^5 - x^3 + 2 x + 1)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A312140
Score: 6.38844
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)\,(x^4 + x^3 - x^2 + x + 1)}{(x - 1)^2\,(x^4 + 1)}$$

Sequence: A312140
Score: 7.48753
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)\,(x^4 + x^3 - x^2 + x + 1)}{(x - 1)^2\,(x^4 + 1)}$$

Sequence: A312143
Score: 3.91202
Type of gen. func.: ogf

$$\frac{x^{10} + 2\,x^9 + 2\,x^8 + 3\,x^7 + 2\,x^6 + 3\,x^5 + 2\,x^4 + 3\,x^3 + 2\,x^2 + 2\,x + 1}{(x^4 + x^3 + x^2 + x + 1)\,(x^4 - x^3 + x^2 - x + 1)\,(x - 1)^2}$$

Sequence: A312144
Score: 4.09612
Type of gen. func.: ogf

$$\frac{x^{10} + 2\,x^9 + x^8 + x^7 + x^6 + 2\,x^5 + x^4 + x^3 + x^2 + 2\,x + 1}{(x^2 + x + 1)\,(x^2 - x + 1)\,(x^4 - x^2 + 1)\,(x - 1)^2}$$

Sequence: A312144
Score: 4.16970
Type of gen. func.: ogf

$$x^{10} + 2\,x^9 + x^8 + x^7 + x^6 + 2\,x^5 + x^4 + x^3 + x^2 + 2\,x + 1$$

2 2 4 2 2

$(x + x + 1) (x - x + 1) (x - x + 1) (x - 1)$

Sequence: A312151
Score: 3.39928
Type of gen. func.: ogf

$$\frac{(x^4 - x^3 + x^2 - x + 1) (x^6 + 2 x^5 + 2 x^4 + 3 x^3 + 2 x^2 + 2 x + 1) (x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A312151
Score: 4.79625
Type of gen. func.: ogf

$$\frac{(x^4 - x^3 + x^2 - x + 1) (x^6 + 2 x^5 + 2 x^4 + 3 x^3 + 2 x^2 + 2 x + 1) (x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A312152
Score: 4.21839
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 4 x^8 + 4 x^7 + 2 x^6 + x^5 + 2 x^4 + 4 x^3 + 4 x^2 + 3 x + 1}{(x^2 + 1) (x^2 + x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A312152
Score: 4.40410
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 4 x^8 + 4 x^7 + 2 x^6 + x^5 + 2 x^4 + 4 x^3 + 4 x^2 + 3 x + 1}{(x^2 + 1) (x^2 + x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A312160
Score: 4.67342
Type of gen. func.: ogf

$$\frac{(x^4 + 2 x^3 + x^2 + 2 x + 1) (x^4 + 1)}{(x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A312160
Score: 7.17876
Type of gen. func.: ogf

$$\frac{(x^4 + 2 x^3 + x^2 + 2 x + 1) (x^4 + 1)}{(x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A312162
Score: 4.4602
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^8 + x^7 + 2 x^5 + 2 x^3 + x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A312163
Score: 3.33727
Type of gen. func.: ogf

$$(x^2 + x + 1)$$

$$(x^{10} + 2 x^9 + x^8 + 2 x^7 + 2 x^6 + 2 x^5 + 2 x^4 + 2 x^3 + x^2 + 2 x + 1) \Big/ \Big($$

$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2 \Big)$$

Sequence: A312163
Score: 4.82304
Type of gen. func.: ogf

$$(x^2 + x + 1)$$

$$(x^{10} + 2 x^9 + x^8 + 2 x^7 + 2 x^6 + 2 x^5 + 2 x^4 + 2 x^3 + x^2 + 2 x + 1) \Big/ \Big($$

$$\Big/\ (x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)\,(x-1)^2\,)$$

Sequence: A312169
Score: 3.42786
Type of gen. func.: ogf

$$-(x^{17}-x^{16}+x^{12}-x^{11}-2x^{10}-5x^8-5x^6+x^5-3x^4-3x^3-2x^2-2x-1)\Big/\left((x^4+x^3+x^2+x+1)\,(x^4-x^3+x^2-x+1)\,(x-1)^2\right)$$

Sequence: A312182
Score: 4.22024
Type of gen. func.: ogf

$$\frac{(x^{18}+2x^{15}+2x^{12}+4x^{10}-4x^9+4x^8+2x^6+2x^3+1)\,(x+1)^2}{(x^6+x^3+1)\,(x^4+1)\,(x^8+1)\,(x-1)^2}$$

Sequence: A312183
Score: 5.75488
Type of gen. func.: ogf

$$\frac{(x^2+1)\,(x^2-x+1)\,(x+1)^4}{(x^6+x^5+x^4+x^3+x^2+x+1)\,(x-1)^2}$$

Sequence: A312183
Score: 6.38844
Type of gen. func.: ogf

$$\frac{(x^2+1)\,(x^2-x+1)\,(x+1)^4}{(x^6+x^5+x^4+x^3+x^2+x+1)\,(x-1)^2}$$

Sequence: A312184

Score: 4.09612
Type of gen. func.: ogf

$$\frac{(x^{10} + x^8 + x^7 + x^5 + x^3 + x^2 + 1) (x + 1)^2}{(x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A312185
Score: 3.44952
Type of gen. func.: ogf

$$\frac{(x^{10} + x^9 + x^8 + 2 x^7 + x^6 + x^5 + x^4 + 2 x^3 + x^2 + x + 1) (x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A312185
Score: 4.79625
Type of gen. func.: ogf

$$\frac{(x^{10} + x^9 + x^8 + 2 x^7 + x^6 + x^5 + x^4 + 2 x^3 + x^2 + x + 1) (x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A312193
Score: 4.67342
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^6 + x^5 + x^3 + x^2 + 1) (x^6 + x^4 + x^3 + x + 1)}{(x - 1)^2 (x^2 + 1)^2 (x^4 + 1)^2}$$

Sequence: A312194
Score: 3.43261
Type of gen. func.: ogf

$$(x^{12} + 2 x^{11} + 2 x^{10} + 3 x^9 + 3 x^8 + 2 x^7 + 3 x^6 + 2 x^5 + 3 x^4 + 3 x^3 + 2 x^2 + 2 x + 1) \Big/ ((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2)$$

Sequence: A312195
Score: 4.82932
Type of gen. func.: ogf

$$\frac{(x^2+1)(x^6+x^3+1)(x+1)^2}{(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x-1)^2}$$

Sequence: A312205
Score: 4.69968
Type of gen. func.: ogf

$$\frac{x^8+2x^7+2x^6+3x^5+3x^4+3x^3+2x^2+2x+1}{(x^4+1)(x^2+1)(x-1)^2}$$

Sequence: A312205
Score: 5.78721
Type of gen. func.: ogf

$$\frac{x^8+2x^7+2x^6+3x^5+3x^4+3x^3+2x^2+2x+1}{(x^4+1)(x^2+1)(x-1)^2}$$

Sequence: A312206
Score: 4.48512
Type of gen. func.: ogf

$$\frac{(x^4+x^3+x^2+x+1)(x^6-x^4+2x^3-x^2+1)}{(x^2+1)(x^2-x+1)(x^4-x^2+1)(x-1)^2}$$

Sequence: A312206
Score: 4.66334
Type of gen. func.: ogf

$$(x^4+x^3+x^2+x+1)(x^6-x^4+2x^3-x^2+1)$$

$$\overline{(x^2 + 1)(x^2 - x + 1)(x^4 - x^2 + 1)(x - 1)^2}$$

Sequence: A312207
Score: 4.82932
Type of gen. func.: ogf

$$\frac{(x^8 + x^7 + x^6 + 2 x^5 + x^4 + 2 x^3 + x^2 + x + 1)(x + 1)^2}{(x^2 + x + 1)(x^6 + x^3 + 1)(x - 1)^2}$$

Sequence: A312207
Score: 5.51380
Type of gen. func.: ogf

$$\frac{(x^8 + x^7 + x^6 + 2 x^5 + x^4 + 2 x^3 + x^2 + x + 1)(x + 1)^2}{(x^2 + x + 1)(x^6 + x^3 + 1)(x - 1)^2}$$

Sequence: A312208
Score: 6.97192
Type of gen. func.: ogf

$$\frac{x^6 + x^5 + x^3 + x + 1}{(x^4 - x^3 + x^2 - x + 1)(x - 1)^2}$$

Sequence: A312208
Score: 7.57166
Type of gen. func.: ogf

$$\frac{x^6 + x^5 + x^3 + x + 1}{(x^4 - x^3 + x^2 - x + 1)(x - 1)^2}$$

Sequence: A312209
Score: 3.78583
Type of gen. func.: ogf

$$\frac{(x^8 + x^7 + x^5 + x^4 + x^3 + x + 1)\,(x^2 + 1)\,(x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A312209
Score: 4.82304
Type of gen. func.: ogf

$$\frac{(x^8 + x^7 + x^5 + x^4 + x^3 + x + 1)\,(x^2 + 1)\,(x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A312210
Score: 3.45178
Type of gen. func.: ogf

$$(x^{12} + 2\,x^{11} + 2\,x^{10} + 3\,x^9 + 3\,x^8 + 3\,x^7 + 3\,x^6 + 3\,x^5 + 3\,x^4 + 3\,x^3 + 2\,x^2 + 2\,x + 1) \Big/ ((x^2 + 1)\,(x^2 + x + 1)\,(x^2 - x + 1)\,(x^4 - x^2 + 1)\,(x - 1)^2)$$

Sequence: A312226
Score: 3.8246
Type of gen. func.: ogf

$$- (2\,x^{10} - 3\,x^9 - 2\,x^8 - 12\,x^7 - 12\,x^6 - 17\,x^5 - 13\,x^4 - 14\,x^3 - 8\,x^2 - 4\,x - 1) \Big/ ((x + 1)\,(x^2 + 1)\,(x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2)$$

Sequence: A312226
Score: 5.07114
Type of gen. func.: ogf

$$- (2\,x^{10} - 3\,x^9 - 2\,x^8 - 12\,x^7 - 12\,x^6 - 17\,x^5 - 13\,x^4 - 14\,x^3 - 8\,x^2 - 4\,x - 1) \Big/ ((x + 1)\,(x^2 + 1)\,(x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2)$$

Sequence: A312245
Score: 3.14391
Type of gen. func.: ogf

$$\frac{x^{12}+4x^{11}+8x^{10}+14x^{9}+16x^{8}+19x^{7}+20x^{6}+19x^{5}+16x^{4}+14x^{3}+8x^{2}+4x+1}{(x^{4}+x^{3}+x^{2}+x+1)(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A312245
Score: 4.41356
Type of gen. func.: ogf

$$\frac{x^{12}+4x^{11}+8x^{10}+14x^{9}+16x^{8}+19x^{7}+20x^{6}+19x^{5}+16x^{4}+14x^{3}+8x^{2}+4x+1}{(x^{4}+x^{3}+x^{2}+x+1)(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A312247
Score: 3.58602
Type of gen. func.: ogf

$$-\frac{2x^{11}-3x^{10}-4x^{9}-7x^{8}-11x^{7}-14x^{6}-12x^{5}-12x^{4}-11x^{3}-7x^{2}-4x-1}{(x^{2}-x+1)(x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}(x+1)^{2}}$$

Sequence: A312247
Score: 4.07406
Type of gen. func.: ogf

$$-\frac{2x^{11}-3x^{10}-4x^{9}-7x^{8}-11x^{7}-14x^{6}-12x^{5}-12x^{4}-11x^{3}-7x^{2}-4x-1}{(x^{2}-x+1)(x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}(x+1)^{2}}$$

Sequence: A312279
Score: 3.51486
Type of gen. func.: ogf

$$-(2x^{13}-3x^{12}-2x^{11}-12x^{10}-10x^{9}-20x^{8}-22x^{7}-22x^{6}-22x^{5}-16x^{4}-14x^{3}-8x^{2}-4x-1) / ((x-1)^{2}(x+1)^{2}(x^{2}+x+1)^{2}(x^{2}-x+1)^{2})$$

Sequence: A312279
Score: 4.38246
Type of gen. func.: ogf

$$-(2x^{13}-3x^{12}-2x^{11}-12x^{10}-10x^{9}-20x^{8}-22x^{7}-22x^{6}-22x^{5}-16x^{4}-14x^{3}-8x^{2}-4x-1) / ((x-1)^{2}(x+1)^{2}(x^{2}+x+1)^{2}(x^{2}-x+1)^{2})$$

Sequence: A312284
Score: 3.7632
Type of gen. func.: ogf

$$-(2x^{12}-x^{11}-5x^{10}-14x^{9}-22x^{8}-34x^{7}-36x^{6}-36x^{5}-30x^{4}-22x^{3}-12x^{2}-5x-1) / ((x+1)(x-1)^{2}(x^{4}+x^{3}+x^{2}+x+1)^{2})$$

Sequence: A312284
Score: 4.07311
Type of gen. func.: ogf

$$-(2x^{12}-x^{11}-5x^{10}-14x^{9}-22x^{8}-34x^{7}-36x^{6}-36x^{5}-30x^{4}-22x^{3}-12x^{2}-5x-1) / ((x+1)(x-1)^{2}(x^{4}+x^{3}+x^{2}+x+1)^{2})$$

Sequence: A312289
Score: 4.88309
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + 4 x^6 + 6 x^5 + 2 x^4 + 6 x^3 + 4 x^2 + 3 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A312289
Score: 6.31666
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + 4 x^6 + 6 x^5 + 2 x^4 + 6 x^3 + 4 x^2 + 3 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A312300
Score: 3.74466
Type of gen. func.: ogf

$$- (2 x^{16} + 2 x^{15} + 2 x^{14} + 2 x^{13} - 2 x^{11} - 4 x^{10} - 4 x^9 - 5 x^8 - 6 x^7 - 10 x^6 - 14 x^5 - 14 x^4 - 14 x^3 - 8 x^2 - 4 x - 1) / ((x - 1)^2 (x + 1)^2 (x^2 + 1)^2)$$

Sequence: A312300
Score: 4.09504
Type of gen. func.: ogf

$$- (2 x^{16} + 2 x^{15} + 2 x^{14} + 2 x^{13} - 2 x^{11} - 4 x^{10} - 4 x^9 - 5 x^8 - 6 x^7 - 10 x^6 - 14 x^5 - 14 x^4 - 14 x^3 - 8 x^2 - 4 x - 1) / ((x - 1)^2 (x + 1)^2 (x^2 + 1)^2)$$

Sequence: A312304
Score: 5.20623
Type of gen. func.: ogf

$$-\frac{2x^9-3x^8-2x^7-12x^6-14x^5-14x^4-14x^3-8x^2-4x-1}{(x-1)^2(x+1)^2(x^2+1)^2}$$

Sequence: A312304
Score: 5.91819
Type of gen. func.: ogf

$$-\frac{2x^9-3x^8-2x^7-12x^6-14x^5-14x^4-14x^3-8x^2-4x-1}{(x-1)^2(x+1)^2(x^2+1)^2}$$

Sequence: A312360
Score: 3.44492
Type of gen. func.: ogf

$$(x^{15}+3x^{14}+5x^{13}+9x^{12}+8x^{11}+14x^{10}+13x^9+18x^8+15x^7+15x^6+13x^5+8x^4+9x^3+5x^2+3x+1)\Big/\left((x+1)(x-1)^2(x^2+1)^2(x^4+1)^2\right)$$

Sequence: A312373
Score: 3.93425
Type of gen. func.: ogf

$$-(2x^{14}-3x^{13}-2x^{12}-10x^{11}-14x^{10}-19x^9-19x^8-27x^7-23x^6-21x^5-17x^4-14x^3-8x^2-4x-1)\Big/\left((x+1)(x^2+1)(x^4+x^3+x^2+x+1)(x^4+1)(x-1)^2\right)$$

Sequence: A312379
Score: 3.66364
Type of gen. func.: ogf

13 12 11 10 9 8 7 6 5

$$-(2x - 3x - 2x - 12x - 12x - 18x - 16x - 21x - 18x$$

$$- 16x^{4} - 14x^{3} - 8x^{2} - 4x - 1) / ((x^{4} + 1)(x - 1)^{2}(x + 1)^{2}$$

$$(x^{2} + 1)^{2})$$

Sequence: A312379
Score: 4.17125
Type of gen. func.: ogf

$$-(2x^{13} - 3x^{12} - 2x^{11} - 12x^{10} - 12x^{9} - 18x^{8} - 16x^{7} - 21x^{6} - 18x^{5}$$

$$- 16x^{4} - 14x^{3} - 8x^{2} - 4x - 1) / ((x^{4} + 1)(x - 1)^{2}(x + 1)^{2}$$

$$(x^{2} + 1)^{2})$$

Sequence: A312380
Score: 3.4085
Type of gen. func.: ogf

$$(x^{10} + 4x^{9} + 6x^{8} + 6x^{7} + 4x^{6} + 6x^{5} + 4x^{4} + 6x^{3} + 6x^{2} + 4x + 1)$$

$$(x^{2} + 1)^{2} / ((x^{2} + x + 1)(x^{4} + x^{3} + x^{2} + x + 1)(x^{6} + x^{3} + 1)(x - 1)^{2})$$

Sequence: A312402
Score: 3.51284
Type of gen. func.: ogf

$$(x^{12} + 2x^{11} + 3x^{10} + 6x^{9} + 3x^{8} + 8x^{7} + 4x^{6} + 8x^{5} + 3x^{4} + 6x^{3} + 3x^{2}$$

$$+ 2x + 1) / ((x^{2} + 1)(x^{4} + 1)(x^{2} + x + 1)(x^{2} - x + 1)(x - 1)^{2})$$

Sequence: A312411
Score: 3.91202
Type of gen. func.: ogf

$$(x^{10} + 5x^{9} + 14x^{8} + 22x^{7} + 29x^{6} + 32x^{5} + 31x^{4} + 22x^{3} + 12x^{2} + 5x + 1)$$

$$/ \left((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^2 (x + 1)^2\right)$$

Sequence: A312411
Score: 4.38246
Type of gen. func.: ogf

$$(x^{10} + 5 x^9 + 14 x^8 + 22 x^7 + 29 x^6 + 32 x^5 + 31 x^4 + 22 x^3 + 12 x^2 + 5 x + 1) / \left((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^2 (x + 1)^2\right)$$

Sequence: A312436
Score: 3.12605
Type of gen. func.: ogf

$$(x^{14} + 3 x^{13} + 4 x^{12} + 7 x^{11} + 7 x^{10} + 8 x^9 + 9 x^8 + 10 x^7 + 9 x^6 + 8 x^5 + 7 x^4 + 7 x^3 + 4 x^2 + 3 x + 1) / \left((x^6 + x^3 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2\right)$$

Sequence: A312445
Score: 3.01056
Type of gen. func.: ogf

$$(x^{14} + 2 x^{13} + 2 x^{12} + 4 x^{11} + x^{10} + 6 x^9 + 2 x^8 + 6 x^7 + 2 x^6 + 6 x^5 + x^4 + 4 x^3 + 2 x^2 + 2 x + 1) / \left((x^4 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2\right)$$

Sequence: A312455
Score: 2.85691
Type of gen. func.: ogf

$$(x^2 + x + 1)$$

$$(x^{14} + x^{13} + 3 x^{11} - 3 x^{10} + 4 x^{9} + 2 x^{7} + 4 x^{5} - 3 x^{4} + 3 x^{3} + x + 1) \Big/ ((x^{2} + 1) (x^{4} - x^{2} + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2})$$

Sequence: A312471
Score: 4.35489
Type of gen. func.: ogf

$$- (2 x^{13} - 3 x^{12} - 6 x^{11} - 6 x^{10} - 7 x^{8} - 12 x^{7} - 10 x^{6} - 6 x^{5} - 5 x^{4} - 6 x^{3} - 6 x^{2} - 4 x - 1) \Big/ ((x - 1)^{2} (x + 1)^{2} (x^{4} + 1)^{2})$$

Sequence: A312472
Score: 3.31305
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 4 x^{10} + 6 x^{9} + 4 x^{8} + 4 x^{7} + 4 x^{6} + 4 x^{5} + 4 x^{4} + 6 x^{3} + 4 x^{2} + 3 x + 1) \Big/ ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A312472
Score: 4.74266
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 4 x^{10} + 6 x^{9} + 4 x^{8} + 4 x^{7} + 4 x^{6} + 4 x^{5} + 4 x^{4} + 6 x^{3} + 4 x^{2} + 3 x + 1) \Big/ ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A312475
Score: 6.35255
Type of gen. func.: ogf

$$\frac{(x^2+1)(x^4+3x^3+3x^2+3x+1)}{(x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A312475
Score: 7.44546
Type of gen. func.: ogf

$$\frac{(x^2+1)(x^4+3x^3+3x^2+3x+1)}{(x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A312477
Score: 3.6064
Type of gen. func.: ogf

$$-(x^2+1)(2x^{11}-3x^{10}-4x^9-7x^8-10x^7-13x^6-12x^5-11x^4-10x^3-7x^2-4x-1) / ((x-1)^2(x+1)^2(x^2+x+1)^2(x^2-x+1)^2)$$

Sequence: A312477
Score: 4.38246
Type of gen. func.: ogf

$$-(x^2+1)(2x^{11}-3x^{10}-4x^9-7x^8-10x^7-13x^6-12x^5-11x^4-10x^3-7x^2-4x-1) / ((x-1)^2(x+1)^2(x^2+x+1)^2(x^2-x+1)^2)$$

Sequence: A312478
Score: 3.51486
Type of gen. func.: ogf

$$-(2x^{13}-3x^{12}-2x^{11}-12x^{10}-10x^9-22x^8-22x^7-24x^6-22x^5-18x^4-14x^3-8x^2-4x-1) / ((x-1)^2(x+1)^2(x^2+x+1)^2$$

$$(x^2 - x + 1)^2)$$

Sequence: A312478
Score: 4.38246
Type of gen. func.: ogf

$$- (2 x^{13} - 3 x^{12} - 2 x^{11} - 12 x^{10} - 10 x^9 - 22 x^8 - 22 x^7 - 24 x^6 - 22 x^5 - 18 x^4 - 14 x^3 - 8 x^2 - 4 x - 1) / ((x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2)$$

Sequence: A312484
Score: 4.61619
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 4 x^8 + 6 x^7 + 4 x^6 + 4 x^5 + 4 x^4 + 6 x^3 + 4 x^2 + 3 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A312484
Score: 5.45219
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 4 x^8 + 6 x^7 + 4 x^6 + 4 x^5 + 4 x^4 + 6 x^3 + 4 x^2 + 3 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A312486
Score: 4.3008
Type of gen. func.: ogf

$$- (2 x^{11} - 3 x^{10} - 2 x^9 - 10 x^8 - 16 x^7 - 18 x^6 - 20 x^5 - 18 x^4 - 14 x^3 - 8 x^2 - 4 x - 1) / ((x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A312486
Score: 5.01759
Type of gen. func.: ogf

$$-(2 x^{11} - 3 x^{10} - 2 x^{9} - 10 x^{8} - 16 x^{7} - 18 x^{6} - 20 x^{5} - 18 x^{4} - 14 x^{3} - 8 x^{2} - 4 x - 1) / ((x - 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A312487
Score: 3.78446
Type of gen. func.: ogf

$$-(2 x^{12} - x^{11} - 5 x^{10} - 14 x^{9} - 22 x^{8} - 36 x^{7} - 38 x^{6} - 38 x^{5} - 32 x^{4} - 22 x^{3} - 12 x^{2} - 5 x - 1) / ((x + 1) (x - 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A312487
Score: 4.09612
Type of gen. func.: ogf

$$-(2 x^{12} - x^{11} - 5 x^{10} - 14 x^{9} - 22 x^{8} - 36 x^{7} - 38 x^{6} - 38 x^{5} - 32 x^{4} - 22 x^{3} - 12 x^{2} - 5 x - 1) / ((x + 1) (x - 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A312506
Score: 4.93858
Type of gen. func.: ogf

$$\frac{x^{8} + 2 x^{7} + 2 x^{6} + 4 x^{5} + 4 x^{3} + 2 x^{2} + 2 x + 1}{(x^{4} + 1) (x^{2} + 1) (x - 1)^{2}}$$

Sequence: A312506
Score: 6.1623
Type of gen. func.: ogf

$$x^{8} + 2 x^{7} + 2 x^{6} + 4 x^{5} + 4 x^{3} + 2 x^{2} + 2 x + 1$$

```
                -----------------------------------------------
                          4        2             2
                        (x  + 1) (x  + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A312507
Score: 3.33177
Type of gen. func.: ogf


  12      11      10      9      8      7      6      5      4      3      2
(x   + 3 x   + 4 x   + 6 x  + 4 x  + 4 x  + 6 x  + 4 x  + 4 x  + 6 x  + 4 x

                  /    10    9    8    7    6    5    4    3    2
     + 3 x + 1)  /  ((x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1)
                /

           2
    (x - 1) )



------------------------------------------------------------------------------

Sequence:  A312507
Score: 4.76945
Type of gen. func.: ogf


  12      11      10      9      8      7      6      5      4      3      2
(x   + 3 x   + 4 x   + 6 x  + 4 x  + 4 x  + 6 x  + 4 x  + 4 x  + 6 x  + 4 x

                  /    10    9    8    7    6    5    4    3    2
     + 3 x + 1)  /  ((x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1)
                /

           2
    (x - 1) )



------------------------------------------------------------------------------

Sequence:  A312518
Score: 3.23879
Type of gen. func.: ogf


               14      13      12       11    10       9      8       7       6
- (x + 1) (2 x   - 5 x   + 3 x   - 14 x   + x   - 18 x  - 8 x  - 18 x  - 12 x

          5      4      3      2                  /         2
     - 14 x  - 9 x  - 9 x  - 5 x  - 3 x - 1)  /  ((x - 1)
                                             /

      6    5    4    3    2          2
    (x  + x  + x  + x  + x  + x + 1) )



------------------------------------------------------------------------------

Sequence:  A312526
Score: 4.37950
Type of gen. func.: ogf


               10    9      7      6      5      4      3
```

$$\frac{x + x + 3 x - 3 x + 5 x - 3 x + 3 x + x + 1}{(x^2 + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A312526
Score: 4.64227
Type of gen. func.: ogf

$$\frac{x^{10} + x^9 + 3 x^7 - 3 x^6 + 5 x^5 - 3 x^4 + 3 x^3 + x + 1}{(x^2 + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A312528
Score: 3.25393
Type of gen. func.: ogf

$$(x^2 + 1) (x^2 + x + 1)$$

$$(x^{10} + 2 x^9 + x^8 + 3 x^7 + x^6 + 3 x^5 + x^4 + 3 x^3 + x^2 + 2 x + 1) \Big/ \left((x^4 - x^3 + x^2 - x + 1) (x - 1)^2 (x^4 + x^3 + x^2 + x + 1) \right)$$

Sequence: A312549
Score: 4.93858
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + 4 x^6 + 6 x^5 + 4 x^4 + 6 x^3 + 4 x^2 + 3 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A312549
Score: 6.38844
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + 4 x^6 + 6 x^5 + 4 x^4 + 6 x^3 + 4 x^2 + 3 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A312555
Score: 4.93858
Type of gen. func.: ogf

$$\frac{(x^6+2x^5+x^3+2x+1)(x^2+1)}{(x^6+x^3+1)(x-1)^2}$$

Sequence: A312555
Score: 7.17876
Type of gen. func.: ogf

$$\frac{(x^6+2x^5+x^3+2x+1)(x^2+1)}{(x^6+x^3+1)(x-1)^2}$$

Sequence: A312556
Score: 3.35049
Type of gen. func.: ogf

$$(x^{12}+3x^{11}+4x^{10}+6x^9+4x^8+6x^7+4x^6+6x^5+4x^4+6x^3+4x^2+3x+1) / ((x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2)$$

Sequence: A312556
Score: 4.79625
Type of gen. func.: ogf

$$(x^{12}+3x^{11}+4x^{10}+6x^9+4x^8+6x^7+4x^6+6x^5+4x^4+6x^3+4x^2+3x+1) / ((x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2)$$

Sequence: A312561

Score: 4.19313
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^{9} + 2 x^{8} + 4 x^{7} + 6 x^{5} + 4 x^{3} + 2 x^{2} + 2 x + 1}{(x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A312561
Score: 4.32254
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^{9} + 2 x^{8} + 4 x^{7} + 6 x^{5} + 4 x^{3} + 2 x^{2} + 2 x + 1}{(x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A312562
Score: 3.36921
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 4 x^{10} + 6 x^{9} + 4 x^{8} + 6 x^{7} + 6 x^{6} + 6 x^{5} + 4 x^{4} + 6 x^{3} + 4 x^{2} + 3 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A312562
Score: 4.82304
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 4 x^{10} + 6 x^{9} + 4 x^{8} + 6 x^{7} + 6 x^{6} + 6 x^{5} + 4 x^{4} + 6 x^{3} + 4 x^{2} + 3 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A312589
Score: 4.07216
Type of gen. func.: ogf

$$(x^{11} + 3 x^{10} + 5 x^9 + 9 x^8 + 10 x^7 + 13 x^6 + 12 x^5 + 10 x^4 + 9 x^3 + 5 x^2 + 3 x + 1) / ((x + 1) (x - 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2)$$

Sequence: A312606
Score: 3.36396
Type of gen. func.: ogf

$$(x^2 + 1) (x^{10} + 3 x^9 + 3 x^8 + 3 x^7 + 2 x^6 + x^5 + 2 x^4 + 3 x^3 + 3 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A312606
Score: 4.76945
Type of gen. func.: ogf

$$(x^2 + 1) (x^{10} + 3 x^9 + 3 x^8 + 3 x^7 + 2 x^6 + x^5 + 2 x^4 + 3 x^3 + 3 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A312613
Score: 3.55458
Type of gen. func.: ogf

$$- (x^2 + 1) (x^{14} - x^{13} + x^{12} - 2 x^{10} + 2 x^9 - x^8 - 6 x^7 - 3 x^6 - x^5 - 2 x^4 - 3 x^3 - 3 x^2 - 3 x - 1) / ((x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2)$$

Sequence: A312614
Score: 3.13667
Type of gen. func.: ogf

$$(x^4 + 2 x^3 + x^2 + 2 x + 1)$$

$$(x^{10} + 3 x^9 + 5 x^8 + 7 x^7 + 7 x^6 + 7 x^5 + 7 x^4 + 7 x^3 + 5 x^2 + 3 x + 1)$$

$$/ \left((x^2+1)(x^4+x^3+x^2+x+1)(x^4+1)(x+1)^2(x-1)^2\right)$$

Sequence: A312620
Score: 4.52169
Type of gen. func.: ogf

$$\frac{x^{10}+2x^9+x^8+2x^7+2x^5+2x^3+x^2+2x+1}{(x^2+x+1)(x^2-x+1)(x^4-x^2+1)(x-1)^2}$$

Sequence: A312620
Score: 4.61152
Type of gen. func.: ogf

$$\frac{x^{10}+2x^9+x^8+2x^7+2x^5+2x^3+x^2+2x+1}{(x^2+x+1)(x^2-x+1)(x^4-x^2+1)(x-1)^2}$$

Sequence: A312626
Score: 4.14488
Type of gen. func.: ogf

$$-(x^{13}-2x^{10}-4x^9-8x^8-10x^7-11x^6-10x^5-11x^4-10x^3-7x^2-4x-1) / \left((x^2+1)(x^4+1)(x+1)^2(x-1)^2\right)$$

Sequence: A312626
Score: 4.80234
Type of gen. func.: ogf

$$-(x^{13}-2x^{10}-4x^9-8x^8-10x^7-11x^6-10x^5-11x^4-10x^3-7x^2-4x-1) / \left((x^2+1)(x^4+1)(x+1)^2(x-1)^2\right)$$

Sequence: A312638

Score: 2.91356
Type of gen. func.: ogf

$$(x^{12} + x^{11} + x^{10} + 3 x^9 - x^8 + x^7 + 3 x^6 + x^5 - x^4 + 3 x^3 + x^2 + x + 1) (x + 1)^2 / ((x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A312638
Score: 4.24598
Type of gen. func.: ogf

$$(x^{12} + x^{11} + x^{10} + 3 x^9 - x^8 + x^7 + 3 x^6 + x^5 - x^4 + 3 x^3 + x^2 + x + 1) (x + 1)^2 / ((x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A312647
Score: 3.6064
Type of gen. func.: ogf

$$- (x^2 + 1) (2 x^{11} - 3 x^{10} - 4 x^9 - 7 x^8 - 10 x^7 - 15 x^6 - 12 x^5 - 13 x^4 - 10 x^3 - 7 x^2 - 4 x - 1) / ((x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2)$$

Sequence: A312647
Score: 4.38246
Type of gen. func.: ogf

$$- (x^2 + 1) (2 x^{11} - 3 x^{10} - 4 x^9 - 7 x^8 - 10 x^7 - 15 x^6 - 12 x^5 - 13 x^4 - 10 x^3 - 7 x^2 - 4 x - 1) / ((x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2)$$

Sequence: A312655
Score: 5.95162

Type of gen. func.: ogf

$$\frac{(x^2+1)(x^4+2x^3+x^2+2x+1)}{(x^2+x+1)(x^2-x+1)(x-1)^2}$$

Sequence: A312655
Score: 6.1623
Type of gen. func.: ogf

$$\frac{(x^2+1)(x^4+2x^3+x^2+2x+1)}{(x^2+x+1)(x^2-x+1)(x-1)^2}$$

Sequence: A312656
Score: 3.44952
Type of gen. func.: ogf

$$\frac{(x^{10}+x^9+x^8+3x^7-x^6+3x^5-x^4+3x^3+x^2+x+1)(x+1)^2}{(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A312656
Score: 4.79625
Type of gen. func.: ogf

$$\frac{(x^{10}+x^9+x^8+3x^7-x^6+3x^5-x^4+3x^3+x^2+x+1)(x+1)^2}{(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A312658
Score: 3.934
Type of gen. func.: ogf

$$\frac{x^{10}+2x^9+2x^8+4x^7+2x^6+2x^5+2x^4+4x^3+2x^2+2x+1}{(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x-1)^2}$$

Sequence: A312668
Score: 3.40176
Type of gen. func.: ogf

$$(x^{10} + 3 x^9 + 3 x^8 + 3 x^7 + 3 x^6 + x^5 + 3 x^4 + 3 x^3 + 3 x^2 + 3 x + 1) (x^2 + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A312668
Score: 4.82304
Type of gen. func.: ogf

$$(x^{10} + 3 x^9 + 3 x^8 + 3 x^7 + 3 x^6 + x^5 + 3 x^4 + 3 x^3 + 3 x^2 + 3 x + 1) (x^2 + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A312669
Score: 4.82932
Type of gen. func.: ogf

$$\frac{(x^8 + x^7 + x^6 + 3 x^5 - x^4 + 3 x^3 + x^2 + x + 1) (x + 1)^2}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A312669
Score: 5.51380
Type of gen. func.: ogf

$$\frac{(x^8 + x^7 + x^6 + 3 x^5 - x^4 + 3 x^3 + x^2 + x + 1) (x + 1)^2}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A312673
Score: 3.43025
Type of gen. func.: ogf

$$(x^{14} + 4 x^{13} + 8 x^{12} + 14 x^{11} + 20 x^{10} + 25 x^9 + 29 x^8 + 31 x^7 + 28 x^6 + 25 x^5$$

$$+ 20 x^4 + 14 x^3 + 8 x^2 + 4 x + 1) \Big/ ((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A312673
Score: 4.14488
Type of gen. func.: ogf

$$(x^{14} + 4 x^{13} + 8 x^{12} + 14 x^{11} + 20 x^{10} + 25 x^9 + 29 x^8 + 31 x^7 + 28 x^6 + 25 x^5 + 20 x^4 + 14 x^3 + 8 x^2 + 4 x + 1) \Big/ ((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A312675
Score: 3.57444
Type of gen. func.: ogf

$$- (x^{16} - x^{15} - x^{14} - x^{13} - 5 x^{12} - 4 x^{11} - 7 x^{10} - 8 x^9 - 7 x^8 - 12 x^7 - 6 x^6 - 9 x^5 - 5 x^4 - 6 x^3 - 3 x^2 - 2 x - 1) \Big/ ((x - 1)^2 (x^4 + 1)^2 (x^2 + 1)^2)$$

Sequence: A312680
Score: 4.96633
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^6 + 3 x^5 + 3 x^4 + 3 x^3 + 3 x^2 + 3 x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A312680
Score: 6.42433
Type of gen. func.: ogf

$$(x^2 + 1) (x^6 + 3 x^5 + 3 x^4 + 3 x^3 + 3 x^2 + 3 x + 1)$$

6 5 4 3 2 2

$$(x + x + x + x + x + x + 1) (x - 1)$$

Sequence: A312681
Score: 3.36921
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 4 x^{10} + 6 x^9 + 6 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 6 x^4 + 6 x^3 + 4 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A312681
Score: 4.82304
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 4 x^{10} + 6 x^9 + 6 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 6 x^4 + 6 x^3 + 4 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A312682
Score: 6.46022
Type of gen. func.: ogf

$$\frac{x^6 + 2 x^5 + x^4 + 2 x^3 + x^2 + 2 x + 1}{(x - 1)^2 (x^4 + 1)}$$

Sequence: A312682
Score: 7.91196
Type of gen. func.: ogf

$$\frac{x^6 + 2 x^5 + x^4 + 2 x^3 + x^2 + 2 x + 1}{(x - 1)^2 (x^4 + 1)}$$

Sequence: A312683
Score: 4.72593
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^8 + 3 x^7 + 3 x^6 + 3 x^5 + 3 x^4 + 3 x^3 + 3 x^2 + 3 x + 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A312683
Score: 5.54460
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^8 + 3 x^7 + 3 x^6 + 3 x^5 + 3 x^4 + 3 x^3 + 3 x^2 + 3 x + 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A312684
Score: 4.00043
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^8 + 2 x^7 + x^6 + 2 x^5 + x^4 + 2 x^3 + x^2 + 2 x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A312685
Score: 3.42066
Type of gen. func.: ogf

$$(x^2 + 1)$$

$$(x^{10} + 3 x^9 + 3 x^8 + 3 x^7 + 3 x^6 + 3 x^5 + 3 x^4 + 3 x^3 + 3 x^2 + 3 x + 1)$$

$$/ \ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A312685
Score: 4.84984
Type of gen. func.: ogf

$$(x^2 + 1)$$

$$(x^{10} + 3 x^9 + 3 x^8 + 3 x^7 + 3 x^6 + 3 x^5 + 3 x^4 + 3 x^3 + 3 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A312706
Score: 3.50126
Type of gen. func.: ogf

$$- (2 x^{17} - 2 x^{15} + 2 x^{14} - 2 x^{12} - 3 x^{10} - x^9 - 4 x^8 - 13 x^7 - 5 x^6 - 8 x^5 - 11 x^4 - 7 x^3 - 4 x^2 - 3 x - 1) / ((x^2 + x + 1) (x + 1)^2 (x - 1)^2 (x^2 - x + 1)^2)$$

Sequence: A312722
Score: 4.80235
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^2 + x + 1) (x^6 + 3 x^5 + 3 x^4 + 5 x^3 + 3 x^2 + 3 x + 1)}{(x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2}$$

Sequence: A312722
Score: 5.44016
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^2 + x + 1) (x^6 + 3 x^5 + 3 x^4 + 5 x^3 + 3 x^2 + 3 x + 1)}{(x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2}$$

Sequence: A312736
Score: 4.04849
Type of gen. func.: ogf

$$- (2 x^{11} - 5 x^{10} + x^9 - 8 x^8 - 4 x^7 - 11 x^6 - 8 x^5 - 7 x^4 - 8 x^3 - 4 x^2 - 3 x$$

$$- 1) \Big/ \left((x^2 + x + 1) (x - 1)^2 (x + 1)^2 (x^2 - x + 1)^2\right)$$

Sequence: A312736
Score: 4.12036
Type of gen. func.: ogf

$$- (2 x^{11} - 5 x^{10} + x^9 - 8 x^8 - 4 x^7 - 11 x^6 - 8 x^5 - 7 x^4 - 8 x^3 - 4 x^2 - 3 x - 1) \Big/ \left((x^2 + x + 1) (x - 1)^2 (x + 1)^2 (x^2 - x + 1)^2\right)$$

Sequence: A312751
Score: 4.21839
Type of gen. func.: ogf

$$- (2 x^{13} - 3 x^{12} - 6 x^{11} - 6 x^{10} - x^9 - 9 x^8 - 13 x^7 - 9 x^6 - 7 x^5 - 7 x^4 - 7 x^3 - 6 x^2 - 4 x - 1) \Big/ \left((x - 1)^2 (x + 1)^2 (x^4 + 1)^2\right)$$

Sequence: A312752
Score: 4.21655
Type of gen. func.: ogf

$$- (2 x^{13} - 3 x^{12} - 6 x^{11} - 5 x^{10} - 3 x^9 - 9 x^8 - 11 x^7 - 11 x^6 - 7 x^5 - 7 x^4 - 7 x^3 - 6 x^2 - 4 x - 1) \Big/ \left((x - 1)^2 (x + 1)^2 (x^4 + 1)^2\right)$$

Sequence: A312761
Score: 4.37658
Type of gen. func.: ogf

$$- (2 x^{15} + 2 x^{13} - 2 x^{11} - 2 x^9 - 3 x^8 - 4 x^7 - 12 x^6 - 16 x^5 - 14 x^4 - 16 x^3 - 8 x^2 - 4 x - 1) \Big/ \left((x - 1)^2 (x + 1)^2 (x^2 + 1)^2\right)$$

Sequence: A312761
Score: 4.86286
Type of gen. func.: ogf

$$-\left(2 x^{15} + 2 x^{13} - 2 x^{11} - 2 x^{9} - 3 x^{8} - 4 x^{7} - 12 x^{6} - 16 x^{5} - 14 x^{4} - 16 x^{3} - 8 x^{2} - 4 x - 1\right) / \left((x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2}\right)$$

Sequence: A312790
Score: 4.09398
Type of gen. func.: ogf

$$-\left(2 x^{11} - 5 x^{10} + x^{9} - 8 x^{8} - 5 x^{7} - 11 x^{6} - 8 x^{5} - 7 x^{4} - 9 x^{3} - 4 x^{2} - 3 x - 1\right) / \left((x^{2} + x + 1) (x + 1)^{2} (x - 1)^{2} (x^{2} - x + 1)^{2}\right)$$

Sequence: A312790
Score: 4.16665
Type of gen. func.: ogf

$$-\left(2 x^{11} - 5 x^{10} + x^{9} - 8 x^{8} - 5 x^{7} - 11 x^{6} - 8 x^{5} - 7 x^{4} - 9 x^{3} - 4 x^{2} - 3 x - 1\right) / \left((x^{2} + x + 1) (x + 1)^{2} (x - 1)^{2} (x^{2} - x + 1)^{2}\right)$$

Sequence: A312797
Score: 3.57444
Type of gen. func.: ogf

$$-\left(2 x^{13} - 3 x^{12} - 2 x^{11} - 12 x^{10} - 12 x^{9} - 24 x^{8} - 26 x^{7} - 24 x^{6} - 26 x^{5} - 20 x^{4} - 16 x^{3} - 8 x^{2} - 4 x - 1\right) / \left((x - 1)^{2} (x + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2}\right)$$

Sequence: A312797
Score: 4.45673

Type of gen. func.: ogf

$$-(2x^{13}-3x^{12}-2x^{11}-12x^{10}-12x^{9}-24x^{8}-26x^{7}-24x^{6}-26x^{5}-20x^{4}-16x^{3}-8x^{2}-4x-1)\,/\,((x-1)^{2}(x+1)^{2}(x^{2}+x+1)^{2}(x^{2}-x+1)^{2})$$

Sequence: A312812
Score: 3.57444
Type of gen. func.: ogf

$$-(2x^{13}-3x^{12}-2x^{11}-10x^{10}-16x^{9}-24x^{8}-24x^{7}-28x^{6}-24x^{5}-22x^{4}-16x^{3}-8x^{2}-4x-1)\,/\,((x-1)^{2}(x+1)^{2}(x^{2}+x+1)^{2}(x^{2}-x+1)^{2})$$

Sequence: A312812
Score: 4.45673
Type of gen. func.: ogf

$$-(2x^{13}-3x^{12}-2x^{11}-10x^{10}-16x^{9}-24x^{8}-24x^{7}-28x^{6}-24x^{5}-22x^{4}-16x^{3}-8x^{2}-4x-1)\,/\,((x-1)^{2}(x+1)^{2}(x^{2}+x+1)^{2}(x^{2}-x+1)^{2})$$

Sequence: A312822
Score: 4.21474
Type of gen. func.: ogf

$$-(2x^{13}-3x^{12}-6x^{11}-4x^{10}-6x^{9}-11x^{8}-10x^{7}-10x^{6}-8x^{5}-9x^{4}-8x^{3}-6x^{2}-4x-1)\,/\,((x+1)^{2}(x-1)^{2}(x^{4}+1)^{2})$$

Sequence: A312823
Score: 3.95598
Type of gen. func.: ogf

$$-(2 x^{15} - 3 x^{14} - 2 x^{13} - 11 x^{12} - 15 x^{11} - 22 x^{10} - 30 x^{9} - 30 x^{8} - 32 x^{7} - 30 x^{6} - 27 x^{5} - 23 x^{4} - 16 x^{3} - 8 x^{2} - 4 x - 1) / ((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A312827
Score: 3.68434
Type of gen. func.: ogf

$$-(2 x^{13} - 3 x^{12} - 2 x^{11} - 12 x^{10} - 16 x^{9} - 19 x^{8} - 16 x^{7} - 24 x^{6} - 18 x^{5} - 17 x^{4} - 18 x^{3} - 8 x^{2} - 4 x - 1) / ((x^{4} + 1) (x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2})$$

Sequence: A312827
Score: 4.19482
Type of gen. func.: ogf

$$-(2 x^{13} - 3 x^{12} - 2 x^{11} - 12 x^{10} - 16 x^{9} - 19 x^{8} - 16 x^{7} - 24 x^{6} - 18 x^{5} - 17 x^{4} - 18 x^{3} - 8 x^{2} - 4 x - 1) / ((x^{4} + 1) (x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2})$$

Sequence: A312835
Score: 3.33389
Type of gen. func.: ogf

$$(x^{14} + 4 x^{13} + 9 x^{12} + 11 x^{11} + 15 x^{10} + 19 x^{9} + 24 x^{8} + 26 x^{7} + 24 x^{6} + 17 x^{5} + 15 x^{4} + 11 x^{3} + 9 x^{2} + 4 x + 1) / ((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A312835
Score: 4.02845
Type of gen. func.: ogf

$$\left(x^{14} + 4 x^{13} + 9 x^{12} + 11 x^{11} + 15 x^{10} + 19 x^{9} + 24 x^{8} + 26 x^{7} + 24 x^{6} + 17 x^{5} + 15 x^{4} + 11 x^{3} + 9 x^{2} + 4 x + 1\right) \Big/ \left((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2}\right)$$

Sequence: A312839
Score: 4.68378
Type of gen. func.: ogf

$$\left(x^{10} + 4 x^{9} + 9 x^{8} + 12 x^{7} + 17 x^{6} + 19 x^{5} + 17 x^{4} + 11 x^{3} + 9 x^{2} + 4 x + 1\right) \Big/ \left((x - 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2}\right)$$

Sequence: A312839
Score: 5.37903
Type of gen. func.: ogf

$$\left(x^{10} + 4 x^{9} + 9 x^{8} + 12 x^{7} + 17 x^{6} + 19 x^{5} + 17 x^{4} + 11 x^{3} + 9 x^{2} + 4 x + 1\right) \Big/ \left((x - 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2}\right)$$

Sequence: A312840
Score: 3.37243
Type of gen. func.: ogf

$$\left(x^{14} + 4 x^{13} + 9 x^{12} + 12 x^{11} + 17 x^{10} + 20 x^{9} + 25 x^{8} + 26 x^{7} + 26 x^{6} + 19 x^{5} + 18 x^{4} + 11 x^{3} + 9 x^{2} + 4 x + 1\right) \Big/ \left((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2}\right)$$

Sequence: A312840
Score: 4.07502
Type of gen. func.: ogf

$$\frac{x^{14} + 4 x^{13} + 9 x^{12} + 12 x^{11} + 17 x^{10} + 20 x^{9} + 25 x^{8} + 26 x^{7} + 26 x^{6} + 19 x^{5} + 18 x^{4} + 11 x^{3} + 9 x^{2} + 4 x + 1}{(x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2}}$$

Sequence: A312841
Score: 4.68378
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + 9 x^{8} + 12 x^{7} + 17 x^{6} + 18 x^{5} + 18 x^{4} + 11 x^{3} + 9 x^{2} + 4 x + 1}{(x - 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2}}$$

Sequence: A312841
Score: 5.37903
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + 9 x^{8} + 12 x^{7} + 17 x^{6} + 18 x^{5} + 18 x^{4} + 11 x^{3} + 9 x^{2} + 4 x + 1}{(x - 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2}}$$

Sequence: A312842
Score: 3.42545
Type of gen. func.: ogf

$$\frac{x^{15} + 3 x^{14} + 6 x^{13} + 5 x^{12} + 13 x^{11} + 8 x^{10} + 17 x^{9} + 13 x^{8} + 17 x^{7} + 15 x^{6} + 8 x^{5} + 13 x^{4} + 5 x^{3} + 6 x^{2} + 3 x + 1}{(x + 1) (x - 1)^{2} (x^{2} + 1)^{2} (x^{4} + 1)^{2}}$$

Sequence: A312843
Score: 3.89005
Type of gen. func.: ogf

$$(x^{14} + 2 x^{13} + 4 x^{12} + 2 x^{11} + 10 x^{10} + x^{9} + 14 x^{8} + 2 x^{7} + 15 x^{6} - x^{5} + 12 x^{4} + x^{3} + 4 x^{2} + 2 x + 1) / ((x - 1)^{2} (x^{4} + 1)^{2} (x^{2} + 1)^{2})$$

Sequence: A312850
Score: 3.11513
Type of gen. func.: ogf

$$(x^{2} + 1) (x^{16} + 2 x^{15} + 3 x^{14} + 4 x^{12} + 2 x^{11} + 6 x^{10} + 11 x^{8} + 6 x^{6} + 2 x^{5} + 4 x^{4} + 3 x^{2} + 2 x + 1) / ((x - 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2} (x^{4} - x^{3} + x^{2} - x + 1)^{2})$$

Sequence: A312851
Score: 3.8898
Type of gen. func.: ogf

$$(x^{14} + 2 x^{13} + 4 x^{12} + 2 x^{11} + 7 x^{10} + 2 x^{9} + 13 x^{8} + x^{7} + 13 x^{6} + 2 x^{5} + 7 x^{4} + 2 x^{3} + 4 x^{2} + 2 x + 1) / ((x - 1)^{2} (x^{4} + 1)^{2} (x^{2} + 1)^{2})$$

Sequence: A312858
Score: 3.58771
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 5 x^{10} + 3 x^{9} + 5 x^{8} + 8 x^{7} + 10 x^{6} + 8 x^{5} + 5 x^{4} + 3 x^{3} + 5 x^{2} + 3 x + 1) / ((x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x^{4} + 1) (x - 1)^{2})$$

Sequence: A312865

Score: 4.67857
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^{9} + 4 x^{8} + 2 x^{7} + 10 x^{6} + 2 x^{5} + 10 x^{4} + 2 x^{3} + 4 x^{2} + 2 x + 1}{(x - 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2}}$$

Sequence: A312877
Score: 3.42545
Type of gen. func.: ogf

$$(x^{15} + 3 x^{14} + 6 x^{13} + 7 x^{12} + 9 x^{11} + 12 x^{10} + 13 x^{9} + 17 x^{8} + 15 x^{7} + 15 x^{6} + 10 x^{5} + 9 x^{4} + 7 x^{3} + 6 x^{2} + 3 x + 1) / ((x + 1) (x - 1)^{2} (x^{2} + 1)^{2} (x^{4} + 1)^{2})$$

Sequence: A312890
Score: 4.14769
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^{9} + 5 x^{8} + 3 x^{7} + x^{6} - x^{5} + x^{4} + 3 x^{3} + 5 x^{2} + 3 x + 1}{(x^{2} + 1) (x^{2} + x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A312890
Score: 4.33029
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^{9} + 5 x^{8} + 3 x^{7} + x^{6} - x^{5} + x^{4} + 3 x^{3} + 5 x^{2} + 3 x + 1}{(x^{2} + 1) (x^{2} + x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A312891
Score: 3.29434
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 5 x^{10} + 4 x^{9} + 4 x^{8} + 4 x^{7} + 4 x^{6} + 4 x^{5} + 4 x^{4} + 4 x^{3} + 5 x^{2}$$

$$+ 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A312891
Score: 4.71586
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 5 x^{10} + 4 x^9 + 4 x^8 + 4 x^7 + 4 x^6 + 4 x^5 + 4 x^4 + 4 x^3 + 5 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A312892
Score: 3.80396
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^8 + x^7 + x^6 - x^5 + 3 x^4 - x^3 + x^2 + x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A312893
Score: 4.59011
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 5 x^8 + 4 x^7 + 4 x^6 + 4 x^5 + 4 x^4 + 4 x^3 + 5 x^2 + 3 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A312893
Score: 5.42139
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 5 x^8 + 4 x^7 + 4 x^6 + 4 x^5 + 4 x^4 + 4 x^3 + 5 x^2 + 3 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A312894
Score: 4.62091
Type of gen. func.: ogf

$$\frac{x^8 + 2 x^7 + 3 x^6 + x^5 + 3 x^4 + x^3 + 3 x^2 + 2 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A312894
Score: 5.69022
Type of gen. func.: ogf

$$\frac{x^8 + 2 x^7 + 3 x^6 + x^5 + 3 x^4 + x^3 + 3 x^2 + 2 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A312895
Score: 5.02566
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^6 + 2 x^5 + 2 x^4 + 2 x^2 + 2 x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A312895
Score: 6.31666
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^6 + 2 x^5 + 2 x^4 + 2 x^2 + 2 x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A312896
Score: 3.39426
Type of gen. func.: ogf

$$(x^{12} + 2 x^{11} + 3 x^{10} + x^9 + 3 x^8 + x^7 + 4 x^6 + x^5 + 3 x^4 + x^3 + 3 x^2 + 2 x + 1)$$

$$/ \left((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2\right)$$

Sequence: A312897
Score: 3.55091
Type of gen. func.: ogf

$$\frac{(x^{10} + 2 x^9 + 2 x^8 + 2 x^6 + 2 x^5 + 2 x^4 + 2 x^2 + 2 x + 1) (x^2 + x + 1)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A312897
Score: 4.74266
Type of gen. func.: ogf

$$\frac{(x^{10} + 2 x^9 + 2 x^8 + 2 x^6 + 2 x^5 + 2 x^4 + 2 x^2 + 2 x + 1) (x^2 + x + 1)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A312901
Score: 5.36766
Type of gen. func.: ogf

$$(29 f(x) + 32) (f(x) x^4 - f(x) x^3 - x^4 - 3 x^3 - f(x) x - 5 x^2 + f(x) - 3 x - 1)$$

Sequence: A312901
Score: 8.99257
Type of gen. func.: ogf

$$\frac{x^4 + 3 x^3 + 5 x^2 + 3 x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A312902
Score: 3.41098
Type of gen. func.: ogf

$$\frac{(x^{10} + x^9 + 2 x^8 - x^7 + 4 x^6 - 2 x^5 + 4 x^4 - x^3 + 2 x^2 + x + 1) (x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A312902
Score: 4.74266
Type of gen. func.: ogf

$$\frac{(x^{10} + x^9 + 2 x^8 - x^7 + 4 x^6 - 2 x^5 + 4 x^4 - x^3 + 2 x^2 + x + 1) (x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A312903
Score: 3.89005
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^9 + 3 x^8 + x^7 + 3 x^6 + 2 x^5 + 3 x^4 + x^3 + 3 x^2 + 2 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A312907
Score: 3.74285
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 6 x^8 + 7 x^7 + 10 x^6 + 12 x^5 + 10 x^4 + 7 x^3 + 6 x^2 + 3 x + 1}{(x^2 + x + 1) (x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A312908
Score: 4.77537
Type of gen. func.: ogf

$$\frac{(x^8 + x^7 + 2 x^6 - x^5 + 4 x^4 - x^3 + 2 x^2 + x + 1) (x + 1)^2}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A312908

Score: 5.45219
Type of gen. func.: ogf

$$\frac{(x^8+x^7+2x^6-x^5+4x^4-x^3+2x^2+x+1)(x+1)^2}{(x^2+x+1)(x^6+x^3+1)(x-1)^2}$$

Sequence: A312909
Score: 4.17125
Type of gen. func.: ogf

$$\frac{x^{10}+3x^9+5x^8+3x^7+x^6+x^5+x^4+3x^3+5x^2+3x+1}{(x^2+1)(x^2+x+1)(x^4-x^2+1)(x-1)^2}$$

Sequence: A312909
Score: 4.35489
Type of gen. func.: ogf

$$\frac{x^{10}+3x^9+5x^8+3x^7+x^6+x^5+x^4+3x^3+5x^2+3x+1}{(x^2+1)(x^2+x+1)(x^4-x^2+1)(x-1)^2}$$

Sequence: A312926
Score: 4.07311
Type of gen. func.: ogf

$$\frac{x^{10}+2x^9+2x^8-x^7+2x^6+x^5+2x^4-x^3+2x^2+2x+1}{(x^2+x+1)(x^2-x+1)(x^4-x^2+1)(x-1)^2}$$

Sequence: A312926
Score: 4.14628
Type of gen. func.: ogf

$$\frac{x^{10}+2x^9+2x^8-x^7+2x^6+x^5+2x^4-x^3+2x^2+2x+1}{(x^2+x+1)(x^2-x+1)(x^4-x^2+1)(x-1)^2}$$

Sequence: A312927
Score: 3.31305
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 5 x^{10} + 4 x^9 + 5 x^8 + 4 x^7 + 4 x^6 + 4 x^5 + 5 x^4 + 4 x^3 + 5 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A312927
Score: 4.74266
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 5 x^{10} + 4 x^9 + 5 x^8 + 4 x^7 + 4 x^6 + 4 x^5 + 5 x^4 + 4 x^3 + 5 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A312928
Score: 6.35255
Type of gen. func.: ogf

$$\frac{x^6 + 3 x^5 + 5 x^4 + 4 x^3 + 5 x^2 + 3 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A312928
Score: 7.44546
Type of gen. func.: ogf

$$\frac{x^6 + 3 x^5 + 5 x^4 + 4 x^3 + 5 x^2 + 3 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A312932
Score: 4.61619
Type of gen. func.: ogf

$$\frac{x^{10}+3x^9+5x^8+4x^7+5x^6+4x^5+5x^4+4x^3+5x^2+3x+1}{(x^2+x+1)(x^6+x^3+1)(x-1)^2}$$

Sequence: A312932
Score: 5.45219
Type of gen. func.: ogf

$$\frac{x^{10}+3x^9+5x^8+4x^7+5x^6+4x^5+5x^4+4x^3+5x^2+3x+1}{(x^2+x+1)(x^6+x^3+1)(x-1)^2}$$

Sequence: A312933
Score: 5.36766
Type of gen. func.: ogf

$$\frac{x^8+2x^7+2x^6-x^5+x^4-x^3+2x^2+2x+1}{(x^2+1)(x^4-x^2+1)(x-1)^2}$$

Sequence: A312933
Score: 5.53942
Type of gen. func.: ogf

$$\frac{x^8+2x^7+2x^6-x^5+x^4-x^3+2x^2+2x+1}{(x^2+1)(x^4-x^2+1)(x-1)^2}$$

Sequence: A312935
Score: 3.33177
Type of gen. func.: ogf

$$(x^{12}+3x^{11}+5x^{10}+4x^9+5x^8+4x^7+6x^6+4x^5+5x^4+4x^3+5x^2$$

$$+3x+1) \Big/ ((x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$$

$$(x - 1)^2)$$

Sequence: A312935
Score: 4.76945
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 5 x^{10} + 4 x^9 + 5 x^8 + 4 x^7 + 6 x^6 + 4 x^5 + 5 x^4 + 4 x^3 + 5 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A312938
Score: 3.97909
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 9 x^{10} + 12 x^9 + 14 x^8 + 14 x^7 + 13 x^6 + 14 x^5 + 14 x^4 + 12 x^3 + 9 x^2 + 4 x + 1) / ((x^6 + x^3 + 1) (x - 1)^2 (x^2 + x + 1)^2)$$

Sequence: A312938
Score: 4.46372
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 9 x^{10} + 12 x^9 + 14 x^8 + 14 x^7 + 13 x^6 + 14 x^5 + 14 x^4 + 12 x^3 + 9 x^2 + 4 x + 1) / ((x^6 + x^3 + 1) (x - 1)^2 (x^2 + x + 1)^2)$$

Sequence: A312941
Score: 5.20623
Type of gen. func.: ogf

$$\frac{x^7 + 3 x^6 + 5 x^5 + 5 x^4 + 4 x^3 + 5 x^2 + 3 x + 1}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A312941
Score: 6.85572
Type of gen. func.: ogf

$$\frac{x^7 + 3x^6 + 5x^5 + 5x^4 + 4x^3 + 5x^2 + 3x + 1}{(x + 1)(x^2 + x + 1)(x^2 - x + 1)(x - 1)^2}$$

Sequence: A312943
Score: 6.35255
Type of gen. func.: ogf

$$\frac{x^6 + 2x^5 + 2x^4 - x^3 + 2x^2 + 2x + 1}{(x - 1)^2 (x^4 + 1)}$$

Sequence: A312943
Score: 7.78009
Type of gen. func.: ogf

$$\frac{x^6 + 2x^5 + 2x^4 - x^3 + 2x^2 + 2x + 1}{(x - 1)^2 (x^4 + 1)}$$

Sequence: A312944
Score: 3.33177
Type of gen. func.: ogf

$$(x^{12} + 3x^{11} + 5x^{10} + 4x^9 + 5x^8 + 5x^7 + 4x^6 + 5x^5 + 5x^4 + 4x^3 + 5x^2 + 3x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2)$$

Sequence: A312944
Score: 4.76945
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 5 x^{10} + 4 x^9 + 5 x^8 + 5 x^7 + 4 x^6 + 5 x^5 + 5 x^4 + 4 x^3 + 5 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A312948
Score: 3.91202
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^9 + 3 x^8 + x^7 + 4 x^6 + x^5 + 4 x^4 + x^3 + 3 x^2 + 2 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A312950
Score: 5.95162
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + 4 x^6 - 2 x^4 + 4 x^2 + 3 x + 1}{(x^2 + x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A312956
Score: 3.78376
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 9 x^{10} + 14 x^9 + 18 x^8 + 23 x^7 + 24 x^6 + 24 x^5 + 18 x^4 + 13 x^3 + 9 x^2 + 4 x + 1) / ((x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2)$$

Sequence: A312956
Score: 4.67857
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 9 x^{10} + 14 x^9 + 18 x^8 + 23 x^7 + 24 x^6 + 24 x^5 + 18 x^4 + 13 x^3 + 9 x^2 + 4 x + 1) / ((x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2)$$

/

Sequence: A312960
Score: 7.17876
Type of gen. func.: ogf

$$-\frac{x^7 - x^5 - 2 x^4 - 3 x^3 - 5 x^2 - 3 x - 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A312960
Score: 7.48753
Type of gen. func.: ogf

$$-\frac{x^7 - x^5 - 2 x^4 - 3 x^3 - 5 x^2 - 3 x - 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A312961
Score: 3.44952
Type of gen. func.: ogf

$$\frac{(x^{10} + x^9 + 2 x^8 - x^7 + 5 x^6 - 3 x^5 + 5 x^4 - x^3 + 2 x^2 + x + 1) (x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A312961
Score: 4.79625
Type of gen. func.: ogf

$$\frac{(x^{10} + x^9 + 2 x^8 - x^7 + 5 x^6 - 3 x^5 + 5 x^4 - x^3 + 2 x^2 + x + 1) (x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A312963
Score: 4.21839
Type of gen. func.: ogf

$$\frac{x^{10}+3x^{9}+5x^{8}+3x^{7}+2x^{6}+x^{5}+2x^{4}+3x^{3}+5x^{2}+3x+1}{(x^{2}+1)(x^{2}+x+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A312963
Score: 4.40410
Type of gen. func.: ogf

$$\frac{x^{10}+3x^{9}+5x^{8}+3x^{7}+2x^{6}+x^{5}+2x^{4}+3x^{3}+5x^{2}+3x+1}{(x^{2}+1)(x^{2}+x+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A312969
Score: 3.95673
Type of gen. func.: ogf

$$\frac{x^{10}+x^{9}+x^{8}-x^{7}+5x^{6}-5x^{5}+5x^{4}-x^{3}+x^{2}+x+1}{(x^{2}+1)(x^{2}-x+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A312969
Score: 4.17125
Type of gen. func.: ogf

$$\frac{x^{10}+x^{9}+x^{8}-x^{7}+5x^{6}-5x^{5}+5x^{4}-x^{3}+x^{2}+x+1}{(x^{2}+1)(x^{2}-x+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A312970
Score: 3.53472
Type of gen. func.: ogf

$$(x^{2}+x+1)(x^{2}-x+1)$$

$$(x^{8}+4x^{7}+7x^{6}+5x^{5}+3x^{4}+5x^{3}+7x^{2}+4x+1)(x^{2}+1) \Big/ \Big($$

$$(x-1)^{2}(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)\Big)$$

Sequence: A312970
Score: 4.14488
Type of gen. func.: ogf

$$(x^2 + x + 1) (x^2 - x + 1) (x^8 + 4 x^7 + 7 x^6 + 5 x^5 + 3 x^4 + 5 x^3 + 7 x^2 + 4 x + 1) (x^2 + 1) / ((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1))$$

Sequence: A312974
Score: 4.93858
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + 5 x^6 + 4 x^5 + 6 x^4 + 4 x^3 + 5 x^2 + 3 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A312974
Score: 6.38844
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + 5 x^6 + 4 x^5 + 6 x^4 + 4 x^3 + 5 x^2 + 3 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A312975
Score: 5.23564
Type of gen. func.: ogf

$$\frac{x^8 + 2 x^7 + 2 x^6 + 4 x^4 + 2 x^2 + 2 x + 1}{(x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A312975
Score: 7.17876
Type of gen. func.: ogf

$$\frac{x^{8}+2x^{7}+2x^{6}+4x^{4}+2x^{2}+2x+1}{(x^{6}+x^{3}+1)(x-1)^{2}}$$

Sequence: A312976
Score: 3.35049
Type of gen. func.: ogf

$$(x^{12}+3x^{11}+5x^{10}+4x^{9}+6x^{8}+4x^{7}+6x^{6}+4x^{5}+6x^{4}+4x^{3}+5x^{2}+3x+1) / ((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2})$$

Sequence: A312976
Score: 4.79625
Type of gen. func.: ogf

$$(x^{12}+3x^{11}+5x^{10}+4x^{9}+6x^{8}+4x^{7}+6x^{6}+4x^{5}+6x^{4}+4x^{3}+5x^{2}+3x+1) / ((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2})$$

Sequence: A312979
Score: 4.00144
Type of gen. func.: ogf

$$\frac{x^{10}+2x^{9}+3x^{8}+x^{7}+5x^{6}+5x^{4}+x^{3}+3x^{2}+2x+1}{(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)(x-1)^{2}}$$

Sequence: A312979
Score: 4.11913
Type of gen. func.: ogf

$$x^{10}+2x^{9}+3x^{8}+x^{7}+5x^{6}+5x^{4}+x^{3}+3x^{2}+2x+1$$

$$\overline{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A312980
Score: 3.35049
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 5 x^{10} + 4 x^9 + 6 x^8 + 5 x^7 + 6 x^6 + 5 x^5 + 6 x^4 + 4 x^3 + 5 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A312980
Score: 4.79625
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 5 x^{10} + 4 x^9 + 6 x^8 + 5 x^7 + 6 x^6 + 5 x^5 + 6 x^4 + 4 x^3 + 5 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A312981
Score: 4.76945
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^8 + 3 x^7 + 5 x^6 + 5 x^5 + 10 x^4 + 5 x^3 + 5 x^2 + 3 x + 1)}{(x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2}$$

Sequence: A312981
Score: 5.44016
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^8 + 3 x^7 + 5 x^6 + 5 x^5 + 10 x^4 + 5 x^3 + 5 x^2 + 3 x + 1)}{(x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2}$$

Sequence: A312982
Score: 3.3666
Type of gen. func.: ogf

$$-(2x^{17}-2x^{16}+x^{14}+x^{13}-3x^{12}+3x^{11}-3x^{10}-4x^{9}-6x^{8}-4x^{7}-6x^{6}-3x^{5}-7x^{4}-4x^{3}-5x^{2}-3x-1)\Big/\left((x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2}\right)$$

Sequence: A312983
Score: 5.42831
Type of gen. func.: ogf

$$-\frac{x^{9}-x^{7}-x^{6}-3x^{5}-7x^{4}-4x^{3}-5x^{2}-3x-1}{(x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A312983
Score: 6.42433
Type of gen. func.: ogf

$$-\frac{x^{9}-x^{7}-x^{6}-3x^{5}-7x^{4}-4x^{3}-5x^{2}-3x-1}{(x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A312984
Score: 3.43025
Type of gen. func.: ogf

$$(x^{14}+4x^{13}+9x^{12}+14x^{11}+20x^{10}+24x^{9}+29x^{8}+31x^{7}+29x^{6}+24x^{5}+20x^{4}+13x^{3}+9x^{2}+4x+1)\Big/\left((x-1)^{2}(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)\right)$$

Sequence: A312984
Score: 4.14488
Type of gen. func.: ogf

$$(x^{14} + 4 x^{13} + 9 x^{12} + 14 x^{11} + 20 x^{10} + 24 x^9 + 29 x^8 + 31 x^7 + 29 x^6 + 24 x^5 + 20 x^4 + 13 x^3 + 9 x^2 + 4 x + 1) / ((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A312985
Score: 3.43025
Type of gen. func.: ogf

$$(x^{14} + 4 x^{13} + 9 x^{12} + 14 x^{11} + 20 x^{10} + 24 x^9 + 29 x^8 + 30 x^7 + 30 x^6 + 24 x^5 + 20 x^4 + 13 x^3 + 9 x^2 + 4 x + 1) / ((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A312985
Score: 4.14488
Type of gen. func.: ogf

$$(x^{14} + 4 x^{13} + 9 x^{12} + 14 x^{11} + 20 x^{10} + 24 x^9 + 29 x^8 + 30 x^7 + 30 x^6 + 24 x^5 + 20 x^4 + 13 x^3 + 9 x^2 + 4 x + 1) / ((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A312986
Score: 4.51387
Type of gen. func.: ogf

$$(x^{12} + 2 x^{11} + 3 x^{10} + x^9 + 7 x^8 + x^7 + 8 x^6 + x^5 + 7 x^4 + x^3 + 3 x^2 + 2 x + 1) / ((x^2 + 1) (x - 1)^2 (x^4 + 1)^2)$$

Sequence: A312998
Score: 3.78376
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^{9} + 6 x^{8} + 8 x^{7} + 9 x^{6} + 12 x^{5} + 9 x^{4} + 8 x^{3} + 6 x^{2} + 3 x + 1}{(x^{2} + x + 1) (x^{2} - x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A313002
Score: 3.23565
Type of gen. func.: ogf

$$(x^{13} + 4 x^{12} + 10 x^{11} + 13 x^{10} + 17 x^{9} + 17 x^{8} + 18 x^{7} + 18 x^{6} + 18 x^{5} + 16 x^{4} + 14 x^{3} + 9 x^{2} + 4 x + 1) / ((x + 1) (x^{2} + 1) (x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2})$$

Sequence: A313002
Score: 4.14628
Type of gen. func.: ogf

$$(x^{13} + 4 x^{12} + 10 x^{11} + 13 x^{10} + 17 x^{9} + 17 x^{8} + 18 x^{7} + 18 x^{6} + 18 x^{5} + 16 x^{4} + 14 x^{3} + 9 x^{2} + 4 x + 1) / ((x + 1) (x^{2} + 1) (x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2})$$

Sequence: A313005
Score: 4.14488
Type of gen. func.: ogf

$$- (x^{2} + x + 1) (x^{14} + x^{13} - x^{10} - 3 x^{8} + 2 x^{7} - 3 x^{6} - 4 x^{5} - 4 x^{4} - 6 x^{3} - 5 x^{2} - 3 x - 1) / ((x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2})$$

Sequence: A313020
Score: 4.02509
Type of gen. func.: ogf

$$-\frac{(x^2+1)(x^{12}-x^{10}+x^9-x^8-6x^7-9x^6-9x^5-10x^4-10x^3-8x^2-4x-1)}{(x-1)^2(x^4+x^3+x^2+x+1)^2}$$

Sequence: A313020
Score: 4.73701
Type of gen. func.: ogf

$$-\frac{(x^2+1)(x^{12}-x^{10}+x^9-x^8-6x^7-9x^6-9x^5-10x^4-10x^3-8x^2-4x-1)}{(x-1)^2(x^4+x^3+x^2+x+1)^2}$$

Sequence: A313023
Score: 3.39426
Type of gen. func.: ogf

$$\frac{x^{12}+2x^{11}+3x^{10}+2x^9+2x^8+2x^7+2x^6+2x^5+2x^4+2x^3+3x^2+2x+1}{(x^2+1)(x^2+x+1)(x^2-x+1)(x^4-x^2+1)(x-1)^2}$$

Sequence: A313024
Score: 3.56922
Type of gen. func.: ogf

$$\frac{(x^2+x+1)(x^8+x^6-x^5+2x^4-x^3+x^2+1)(x+1)^2}{(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A313024
Score: 4.74266
Type of gen. func.: ogf

$$\frac{(x^2+x+1)(x^8+x^6-x^5+2x^4-x^3+x^2+1)(x+1)^2}{(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A313025
Score: 3.89005
Type of gen. func.: ogf

$$\frac{x^{10}+2x^9+3x^8+2x^7+2x^6+2x^5+2x^4+2x^3+3x^2+2x+1}{(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x-1)^2}$$

Sequence: A313026
Score: 4.77537
Type of gen. func.: ogf

$$\frac{(x^2+1)(x^6+x^5+x^4-x^3+x^2+x+1)(x+1)^2}{(x^2+x+1)(x^6+x^3+1)(x-1)^2}$$

Sequence: A313026
Score: 5.45219
Type of gen. func.: ogf

$$\frac{(x^2+1)(x^6+x^5+x^4-x^3+x^2+x+1)(x+1)^2}{(x^2+x+1)(x^6+x^3+1)(x-1)^2}$$

Sequence: A313031
Score: 3.33177
Type of gen. func.: ogf

$$(x^{12}+3x^{11}+5x^{10}+5x^9+4x^8+4x^7+6x^6+4x^5+4x^4+5x^3+5x^2$$

```
                  /    10    9    8    7    6    5    4    3    2
     + 3 x + 1)  /  ((x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1)
                /

           2
    (x - 1) )


------------------------------------------------------------------------------

Sequence:  A313031
Score: 4.76945
Type of gen. func.: ogf


  12      11      10      9      8      7      6      5      4      3      2
(x   + 3 x   + 5 x   + 5 x  + 4 x  + 4 x  + 6 x  + 4 x  + 4 x  + 5 x  + 5 x

                  /    10    9    8    7    6    5    4    3    2
     + 3 x + 1)  /  ((x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1)
                /

           2
    (x - 1) )


------------------------------------------------------------------------------

Sequence:  A313033
Score: 3.70394
Type of gen. func.: ogf


    14      10      9      8      7       6      5      4      3      2
- (x   - 2 x   - 3 x  - 7 x  - 8 x  - 10 x  - 9 x  - 9 x  - 8 x  - 6 x  - 3 x

            /    2         6    5    4    3    2                 2
     - 1)  /  ((x  + 1) (x  + x  + x  + x  + x  + x + 1) (x - 1) )
          /


------------------------------------------------------------------------------

Sequence:  A313033
Score: 4.12036
Type of gen. func.: ogf


    14      10      9      8      7       6      5      4      3      2
- (x   - 2 x   - 3 x  - 7 x  - 8 x  - 10 x  - 9 x  - 9 x  - 8 x  - 6 x  - 3 x

            /    2         6    5    4    3    2                 2
     - 1)  /  ((x  + 1) (x  + x  + x  + x  + x  + x + 1) (x - 1) )
          /


------------------------------------------------------------------------------

Sequence:  A313045
Score: 3.33177
Type of gen. func.: ogf


  12      11      10      9      8      7      6      5      4      3      2
(x   + 3 x   + 5 x   + 5 x  + 4 x  + 5 x  + 4 x  + 5 x  + 4 x  + 5 x  + 5 x

                  /    10    9    8    7    6    5    4    3    2
```

$$+ 3 x + 1) / ((x + x + x + x + x + x + x + x + x + x + 1) (x - 1)^2)$$

Sequence: A313045
Score: 4.76945
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 5 x^{10} + 5 x^9 + 4 x^8 + 5 x^7 + 4 x^6 + 5 x^5 + 4 x^4 + 5 x^3 + 5 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A313051
Score: 5.39799
Type of gen. func.: ogf

$$\frac{(x^6 + x^5 + 2 x^4 + 2 x^2 + x + 1) (x + 1)^2}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A313051
Score: 6.38844
Type of gen. func.: ogf

$$\frac{(x^6 + x^5 + 2 x^4 + 2 x^2 + x + 1) (x + 1)^2}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A313053
Score: 3.91202
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^9 + 3 x^8 + 2 x^7 + 2 x^6 + 3 x^5 + 2 x^4 + 2 x^3 + 3 x^2 + 2 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A313054
Score: 3.1226
Type of gen. func.: ogf

$$(x^{12} + x^{11} + 2 x^{10} + 2 x^{8} + x^{7} + x^{6} + x^{5} + 2 x^{4} + 2 x^{2} + x + 1) (x + 1)^{2} / ((x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A313054
Score: 4.24598
Type of gen. func.: ogf

$$(x^{12} + x^{11} + 2 x^{10} + 2 x^{8} + x^{7} + x^{6} + x^{5} + 2 x^{4} + 2 x^{2} + x + 1) (x + 1)^{2} / ((x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A313057
Score: 4.32509
Type of gen. func.: ogf

$$\frac{(x^{8} + x^{7} + 2 x^{6} - x^{5} + x^{4} - x^{3} + 2 x^{2} + x + 1) (x + 1)^{2}}{(x^{2} + x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A313057
Score: 4.61152
Type of gen. func.: ogf

$$\frac{(x^{8} + x^{7} + 2 x^{6} - x^{5} + x^{4} - x^{3} + 2 x^{2} + x + 1) (x + 1)^{2}}{(x^{2} + x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A313059
Score: 4.40722
Type of gen. func.: ogf

```
           10      8      7      6      5      4      3      2
```

$$-\frac{x - 2x - 3x - 7x - 7x - 7x - 7x - 6x - 3x - 1}{(x^2 - x + 1)(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A313059
Score: 4.9038
Type of gen. func.: ogf

$$-\frac{x^{10} - 2x^8 - 3x^7 - 7x^6 - 7x^5 - 7x^4 - 7x^3 - 6x^2 - 3x - 1}{(x^2 - x + 1)(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A313062
Score: 3.74466
Type of gen. func.: ogf

$$\frac{(x^{10} + x^9 + 2x^8 + 2x^6 + x^5 + 2x^4 + 2x^2 + x + 1)(x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A313062
Score: 4.79625
Type of gen. func.: ogf

$$\frac{(x^{10} + x^9 + 2x^8 + 2x^6 + x^5 + 2x^4 + 2x^2 + x + 1)(x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A313064
Score: 3.43261
Type of gen. func.: ogf

$$(x^{12} + 2x^{11} + 3x^{10} + 2x^9 + 2x^8 + 3x^7 + 3x^6 + 3x^5 + 2x^4 + 2x^3 + 3x^2 + 2x + 1) \Big/ ((x^2 + 1)(x^2 + x + 1)(x^2 - x + 1)(x^4 - x^2 + 1)(x - 1)^2)$$

Sequence: A313072

Score: 3.55458
Type of gen. func.: ogf

$$-\left(2x^{13}-3x^{12}-2x^{11}-13x^{10}-10x^{9}-22x^{8}-24x^{7}-26x^{6}-24x^{5}-18x^{4}-14x^{3}-9x^{2}-4x-1\right)/\left((x-1)^{2}(x+1)^{2}(x^{2}+x+1)^{2}(x^{2}-x+1)^{2}\right)$$

Sequence: A313072
Score: 4.43197
Type of gen. func.: ogf

$$-\left(2x^{13}-3x^{12}-2x^{11}-13x^{10}-10x^{9}-22x^{8}-24x^{7}-26x^{6}-24x^{5}-18x^{4}-14x^{3}-9x^{2}-4x-1\right)/\left((x-1)^{2}(x+1)^{2}(x^{2}+x+1)^{2}(x^{2}-x+1)^{2}\right)$$

Sequence: A313073
Score: 3.60955
Type of gen. func.: ogf

$$(x^{10}+2x^{9}+5x^{8}+5x^{7}+9x^{6}+8x^{5}+9x^{4}+5x^{3}+5x^{2}+2x+1)(x+1)^{2}/\left((x^{2}-x+1)(x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}(x^{2}+x+1)^{2}\right)$$

Sequence: A313075
Score: 3.80572
Type of gen. func.: ogf

$$-(x+1)(x^{13}-2x^{11}-3x^{10}-7x^{9}-6x^{8}-8x^{7}-7x^{6}-8x^{5}-7x^{4}-7x^{3}-6x^{2}-3x-1)/\left((x^{6}+x^{3}+1)(x-1)^{2}(x^{2}+x+1)^{2}\right)$$

Sequence: A313075
Score: 4.00144

Type of gen. func.: ogf

$$- (x + 1) (x^{13} - 2 x^{11} - 3 x^{10} - 7 x^{9} - 6 x^{8} - 8 x^{7} - 7 x^{6} - 8 x^{5} - 7 x^{4} - 7 x^{3} - 6 x^{2} - 3 x - 1) / ((x^{6} + x^{3} + 1) (x - 1)^{2} (x^{2} + x + 1)^{2})$$

Sequence: A313076
Score: 4.21839
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^{9} + 5 x^{8} + 4 x^{7} + x^{6} + x^{5} + x^{4} + 4 x^{3} + 5 x^{2} + 3 x + 1}{(x^{2} + x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A313076
Score: 4.40410
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^{9} + 5 x^{8} + 4 x^{7} + x^{6} + x^{5} + x^{4} + 4 x^{3} + 5 x^{2} + 3 x + 1}{(x^{2} + x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A313078
Score: 4.34939
Type of gen. func.: ogf

$$\frac{(x^{8} + 2 x^{6} - 2 x^{5} + 4 x^{4} - 2 x^{3} + 2 x^{2} + 1) (x + 1)^{2}}{(x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A313081
Score: 3.44952
Type of gen. func.: ogf

$$(x^{14} + 4 x^{13} + 9 x^{12} + 14 x^{11} + 18 x^{10} + 25 x^{9} + 30 x^{8} + 32 x^{7} + 30 x^{6} + 25 x^{5} + 18 x^{4} + 14 x^{3} + 9 x^{2} + 4 x + 1) / ((x - 1)^{2}$$

$$(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A313081
Score: 4.16817
Type of gen. func.: ogf

$$(x^{14} + 4 x^{13} + 9 x^{12} + 14 x^{11} + 18 x^{10} + 25 x^{9} + 30 x^{8} + 32 x^{7} + 30 x^{6} + 25 x^{5} + 18 x^{4} + 14 x^{3} + 9 x^{2} + 4 x + 1) / ((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A313086
Score: 3.46438
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 10 x^{10} + 18 x^{9} + 27 x^{8} + 32 x^{7} + 38 x^{6} + 32 x^{5} + 27 x^{4} + 18 x^{3} + 10 x^{2} + 4 x + 1) / ((x^{2} - x + 1) (x^{2} + x + 1) (x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2})$$

Sequence: A313088
Score: 4.35489
Type of gen. func.: ogf

$$\frac{x^{10} + x^{9} + x^{8} + 2 x^{6} - x^{5} + 2 x^{4} + x^{2} + x + 1}{(x^{2} + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A313088
Score: 4.61619
Type of gen. func.: ogf

$$\frac{x^{10} + x^{9} + x^{8} + 2 x^{6} - x^{5} + 2 x^{4} + x^{2} + x + 1}{(x^{2} + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A313089
Score: 3.74376
Type of gen. func.: ogf

$$\frac{(x^4 + x^3 + x^2 + x + 1)(x^8 + 2x^7 + 2x^6 + 2x^2 + 2x + 1)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A313089
Score: 4.76945
Type of gen. func.: ogf

$$\frac{(x^4 + x^3 + x^2 + x + 1)(x^8 + 2x^7 + 2x^6 + 2x^2 + 2x + 1)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A313090
Score: 6.38844
Type of gen. func.: ogf

$$\frac{x^6 + 3x^5 + 5x^4 + 5x^3 + 5x^2 + 3x + 1}{(x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A313090
Score: 7.48753
Type of gen. func.: ogf

$$\frac{x^6 + 3x^5 + 5x^4 + 5x^3 + 5x^2 + 3x + 1}{(x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A313092
Score: 3.23565
Type of gen. func.: ogf

$$(x^{14} + 3x^{13} + 5x^{12} + 6x^{11} + 7x^{10} + 6x^9 + 5x^8 + 8x^7 + 5x^6 + 6x^5 + 7x^4$$

$$+ 6 x^3 + 5 x^2 + 3 x + 1) / ((x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2 (x + 1)^2 (x^2 + 1)^2)$$

Sequence: A313094
Score: 4.9038
Type of gen. func.: ogf

$$- \frac{x^{14} - x^{10} - x^8 - 5 x^7 - 9 x^6 - 15 x^5 - 17 x^4 - 14 x^3 - 9 x^2 - 4 x - 1}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A313094
Score: 5.52651
Type of gen. func.: ogf

$$- \frac{x^{14} - x^{10} - x^8 - 5 x^7 - 9 x^6 - 15 x^5 - 17 x^4 - 14 x^3 - 9 x^2 - 4 x - 1}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A313097
Score: 3.33177
Type of gen. func.: ogf

$$(x^8 + 3 x^7 + 4 x^6 + 5 x^5 + 7 x^4 + 5 x^3 + 4 x^2 + 3 x + 1)$$
$$(x^6 + 2 x^5 + 3 x^4 + 2 x^3 + 3 x^2 + 2 x + 1) / ((x^2 - x + 1) (x - 1)^2$$
$$(x + 1)^2 (x^4 + x^3 + x^2 + x + 1))$$

Sequence: A313099
Score: 3.41343
Type of gen. func.: ogf

$$(x^{12} + 2 x^{11} + 3 x^{10} + 2 x^9 + 3 x^8 + x^7 + 4 x^6 + x^5 + 3 x^4 + 2 x^3 + 3 x^2 + 2 x$$
$$+ 1) / ((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2)$$

/

Sequence: A313100
Score: 4.67342
Type of gen. func.: ogf

$$\frac{(x^2+1)(x^6+2x^5+x^4-x^3+x^2+2x+1)}{(x^6+x^3+1)(x-1)^2}$$

Sequence: A313100
Score: 6.1623
Type of gen. func.: ogf

$$\frac{(x^2+1)(x^6+2x^5+x^4-x^3+x^2+2x+1)}{(x^6+x^3+1)(x-1)^2}$$

Sequence: A313101
Score: 2.98375
Type of gen. func.: ogf

$$-(x^{17}-x^{16}+x^{15}-x^{13}+x^{12}-x^{11}-x^{10}-x^9-4x^8+x^7-6x^6+x^5-4x^4-x^3-2x^2-x-1)(x+1)^2 \Big/ \left((x^4+x^3+x^2+x+1)(x^6+x^3+1)(x-1)^2\right)$$

Sequence: A313103
Score: 4.21839
Type of gen. func.: ogf

$$\frac{x^{10}+3x^9+5x^8+4x^7+2x^6-x^5+2x^4+4x^3+5x^2+3x+1}{(x^2+1)(x^2+x+1)(x^4-x^2+1)(x-1)^2}$$

Sequence: A313103

Score: 4.40410
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^{9} + 5 x^{8} + 4 x^{7} + 2 x^{6} - x^{5} + 2 x^{4} + 4 x^{3} + 5 x^{2} + 3 x + 1}{(x^{2} + 1) (x^{2} + x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A313110
Score: 5.95162
Type of gen. func.: ogf

$$\frac{x^{6} + 2 x^{5} + 3 x^{4} + 2 x^{3} + 3 x^{2} + 2 x + 1}{(x^{2} + x + 1) (x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A313110
Score: 6.1623
Type of gen. func.: ogf

$$\frac{x^{6} + 2 x^{5} + 3 x^{4} + 2 x^{3} + 3 x^{2} + 2 x + 1}{(x^{2} + x + 1) (x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A313113
Score: 3.74466
Type of gen. func.: ogf

$$\frac{(x^{10} + x^{9} + 2 x^{8} + 3 x^{6} - x^{5} + 3 x^{4} + 2 x^{2} + x + 1) (x + 1)^{2}}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A313113
Score: 4.79625
Type of gen. func.: ogf

$$\frac{(x^{10} + x^{9} + 2 x^{8} + 3 x^{6} - x^{5} + 3 x^{4} + 2 x^{2} + x + 1) (x + 1)^{2}}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A313115
Score: 4.69968
Type of gen. func.: ogf

$$\frac{x^8 + 2 x^7 + 3 x^6 + 2 x^5 + 3 x^4 + 2 x^3 + 3 x^2 + 2 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A313115
Score: 5.78721
Type of gen. func.: ogf

$$\frac{x^8 + 2 x^7 + 3 x^6 + 2 x^5 + 3 x^4 + 2 x^3 + 3 x^2 + 2 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A313116
Score: 4.24395
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^8 + x^7 + x^6 + 2 x^4 + x^2 + x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A313117
Score: 3.43261
Type of gen. func.: ogf

$$(x^{12} + 2 x^{11} + 3 x^{10} + 2 x^9 + 3 x^8 + 2 x^7 + 3 x^6 + 2 x^5 + 3 x^4 + 2 x^3 + 3 x^2 + 2 x + 1) / ((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2)$$

Sequence: A313118
Score: 4.32254
Type of gen. func.: ogf

$$(x^8 + x^7 + 2 x^4 + x + 1) (x^2 + x + 1)^2$$

$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2$$

Sequence: A313118
Score: 4.79625
Type of gen. func.: ogf

$$\frac{(x^8 + x^7 + 2 x^4 + x + 1) (x^2 + x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A313119
Score: 6.70633
Type of gen. func.: ogf

$$\frac{x^8 + 2 x^7 + 2 x^6 + 2 x^2 + 2 x + 1}{(x^2 + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A313119
Score: 6.97192
Type of gen. func.: ogf

$$\frac{x^8 + 2 x^7 + 2 x^6 + 2 x^2 + 2 x + 1}{(x^2 + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A313121
Score: 4.34939
Type of gen. func.: ogf

$$- \frac{(x^2 + 1) (x^6 - x^5 - 2 x^4 - x^3 - 3 x^2 - 2 x - 1) (x + 1)^2}{(x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A313121
Score: 5.22576
Type of gen. func.: ogf

$$-\frac{(x^2+1)(x^6-x^5-2x^4-x^3-3x^2-2x-1)(x+1)^2}{(x^2+x+1)(x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A313124
Score: 3.35049
Type of gen. func.: ogf

$$(x^{12}+3x^{11}+5x^{10}+5x^9+5x^8+6x^7+4x^6+6x^5+5x^4+5x^3+5x^2+3x+1)\Big/\left((x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2\right)$$

Sequence: A313124
Score: 4.79625
Type of gen. func.: ogf

$$(x^{12}+3x^{11}+5x^{10}+5x^9+5x^8+6x^7+4x^6+6x^5+5x^4+5x^3+5x^2+3x+1)\Big/\left((x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2\right)$$

Sequence: A313125
Score: 5.42831
Type of gen. func.: ogf

$$\frac{(x^8+x^7+2x^6+3x^4+2x^2+x+1)(x+1)^2}{(x^2+x+1)(x^6+x^3+1)(x-1)^2}$$

Sequence: A313125
Score: 5.51380
Type of gen. func.: ogf

```
                  8    7      6      4      2                  2
```

$$\frac{(x + x + 2x + 3x + 2x + x + 1)(x + 1)}{(x^2 + x + 1)(x^6 + x^3 + 1)(x - 1)^2}$$

Sequence: A313126
Score: 4.57249
Type of gen. func.: ogf

$$\frac{x^{10} + 2x^9 + 2x^8 + x^6 + 3x^5 + x^4 + 2x^2 + 2x + 1}{(x^2 + x + 1)(x^2 - x + 1)(x^4 - x^2 + 1)(x - 1)^2}$$

Sequence: A313126
Score: 4.66334
Type of gen. func.: ogf

$$\frac{x^{10} + 2x^9 + 2x^8 + x^6 + 3x^5 + x^4 + 2x^2 + 2x + 1}{(x^2 + x + 1)(x^2 - x + 1)(x^4 - x^2 + 1)(x - 1)^2}$$

Sequence: A313127
Score: 6.01850
Type of gen. func.: ogf

$$\frac{x^6 + x^5 + x^4 - x^3 + x^2 + x + 1}{(x^4 - x^3 + x^2 - x + 1)(x - 1)^2}$$

Sequence: A313127
Score: 6.46022
Type of gen. func.: ogf

$$\frac{x^6 + x^5 + x^4 - x^3 + x^2 + x + 1}{(x^4 - x^3 + x^2 - x + 1)(x - 1)^2}$$

Sequence: A313128
Score: 3.41827

Type of gen. func.: ogf

$$(x^4 - x^3 + x^2 - x + 1) (x^6 + 2 x^5 + 3 x^4 + 2 x^3 + 3 x^2 + 2 x + 1) (x + 1)^2 / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A313128
Score: 4.82304
Type of gen. func.: ogf

$$(x^4 - x^3 + x^2 - x + 1) (x^6 + 2 x^5 + 3 x^4 + 2 x^3 + 3 x^2 + 2 x + 1) (x + 1)^2 / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A313129
Score: 4.24195
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 5 x^8 + 4 x^7 + 2 x^6 + x^5 + 2 x^4 + 4 x^3 + 5 x^2 + 3 x + 1}{(x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A313129
Score: 4.42870
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 5 x^8 + 4 x^7 + 2 x^6 + x^5 + 2 x^4 + 4 x^3 + 5 x^2 + 3 x + 1}{(x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A313136
Score: 4.76945
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^9 + 2 x^8 + 2 x^6 + 2 x^4 + 2 x^2 + 2 x + 1}{(x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

```
--------------------------------------------------------------------------------

Sequence:  A313136
Score: 4.86951
Type of gen. func.: ogf


                 10      9      8      6      4      2
                x   + 2 x  + 2 x  + 2 x  + 2 x  + 2 x  + 2 x + 1
                ------------------------------------------------
                  2            2             4    2            2
                (x  + x + 1) (x  - x + 1) (x  - x  + 1) (x - 1)



--------------------------------------------------------------------------------

Sequence:  A313137
Score: 3.38286
Type of gen. func.: ogf


  2
(x  + 1)

      10      9      8      7      6      5      4      3      2
    (x   + 3 x  + 4 x  + 2 x  + 2 x  + 2 x  + 2 x  + 2 x  + 4 x  + 3 x + 1)

       /    10    9    8    7    6    5    4    3    2                 2
      /  ((x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x - 1) )
     /



--------------------------------------------------------------------------------

Sequence:  A313137
Score: 4.79625
Type of gen. func.: ogf


  2
(x  + 1)

      10      9      8      7      6      5      4      3      2
    (x   + 3 x  + 4 x  + 2 x  + 2 x  + 2 x  + 2 x  + 2 x  + 4 x  + 3 x + 1)

       /    10    9    8    7    6    5    4    3    2                 2
      /  ((x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x - 1) )
     /



--------------------------------------------------------------------------------

Sequence:  A313141
Score: 3.55458
Type of gen. func.: ogf


      13       12       11        10        9       8       7       6       5
- (2 x   - 3 x   - 2 x   - 11 x   - 14 x  - 22 x  - 24 x  - 28 x  - 24 x

           4       3      2              /         2        2   2          2
     - 20 x  - 14 x  - 9 x  - 4 x - 1)  /  ((x - 1)  (x + 1)  (x  + x + 1)
                                       /

      2         2
    (x  - x + 1) )
```

Sequence: A313141
Score: 4.43197
Type of gen. func.: ogf

$$-\left(2 x^{13} - 3 x^{12} - 2 x^{11} - 11 x^{10} - 14 x^{9} - 22 x^{8} - 24 x^{7} - 28 x^{6} - 24 x^{5} - 20 x^{4} - 14 x^{3} - 9 x^{2} - 4 x - 1\right) / \left((x - 1)^{2} (x + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2}\right)$$

Sequence: A313144
Score: 4.67342
Type of gen. func.: ogf

$$\frac{x^{8} + 3 x^{7} + 6 x^{6} + 7 x^{5} + 9 x^{4} + 7 x^{3} + 6 x^{2} + 3 x + 1}{(x^{2} - x + 1) (x - 1)^{2} (x^{2} + x + 1)^{2}}$$

Sequence: A313144
Score: 5.39799
Type of gen. func.: ogf

$$\frac{x^{8} + 3 x^{7} + 6 x^{6} + 7 x^{5} + 9 x^{4} + 7 x^{3} + 6 x^{2} + 3 x + 1}{(x^{2} - x + 1) (x - 1)^{2} (x^{2} + x + 1)^{2}}$$

Sequence: A313145
Score: 3.43261
Type of gen. func.: ogf

$$\left(x^{12} + 2 x^{11} + 3 x^{10} + 2 x^{9} + 4 x^{8} + x^{7} + 3 x^{6} + x^{5} + 4 x^{4} + 2 x^{3} + 3 x^{2} + 2 x + 1\right) / \left((x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}\right)$$

Sequence: A313147

Score: 4.96633
Type of gen. func.: ogf

$$\frac{x^{8}+3x^{7}+5x^{6}+5x^{5}+6x^{4}+5x^{3}+5x^{2}+3x+1}{(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A313147
Score: 6.42433
Type of gen. func.: ogf

$$\frac{x^{8}+3x^{7}+5x^{6}+5x^{5}+6x^{4}+5x^{3}+5x^{2}+3x+1}{(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A313148
Score: 3.36921
Type of gen. func.: ogf

$$(x^{12}+3x^{11}+5x^{10}+5x^{9}+6x^{8}+5x^{7}+6x^{6}+5x^{5}+6x^{4}+5x^{3}+5x^{2}+3x+1)\Big/\left((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}\right)$$

Sequence: A313148
Score: 4.82304
Type of gen. func.: ogf

$$(x^{12}+3x^{11}+5x^{10}+5x^{9}+6x^{8}+5x^{7}+6x^{6}+5x^{5}+6x^{4}+5x^{3}+5x^{2}+3x+1)\Big/\left((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}\right)$$

Sequence: A313152
Score: 6.97192
Type of gen. func.: ogf

$$\frac{x^6 + 2x^5 + 2x^4 + 2x^2 + 2x + 1}{(x - 1)^2 (x^4 + 1)}$$

Sequence: A313152
Score: 8.69338
Type of gen. func.: ogf

$$\frac{x^6 + 2x^5 + 2x^4 + 2x^2 + 2x + 1}{(x - 1)^2 (x^4 + 1)}$$

Sequence: A313153
Score: 5.29447
Type of gen. func.: ogf

$$\frac{(x^4 + 1)(x^6 + 3x^5 + 5x^4 + 5x^3 + 5x^2 + 3x + 1)}{(x^2 + x + 1)(x^6 + x^3 + 1)(x - 1)^2}$$

Sequence: A313153
Score: 5.54460
Type of gen. func.: ogf

$$\frac{(x^4 + 1)(x^6 + 3x^5 + 5x^4 + 5x^3 + 5x^2 + 3x + 1)}{(x^2 + x + 1)(x^6 + x^3 + 1)(x - 1)^2}$$

Sequence: A313154
Score: 3.97796
Type of gen. func.: ogf

$$\frac{x^{10} + 2x^9 + 3x^8 + 2x^7 + 4x^6 + 2x^5 + 4x^4 + 2x^3 + 3x^2 + 2x + 1}{(x^4 + x^3 + x^2 + x + 1)(x^4 - x^3 + x^2 - x + 1)(x - 1)^2}$$

Sequence: A313155
Score: 3.38792
Type of gen. func.: ogf

$$\frac{x^{12} + 3 x^{11} + 5 x^{10} + 5 x^{9} + 6 x^{8} + 6 x^{7} + 6 x^{6} + 6 x^{5} + 6 x^{4} + 5 x^{3} + 5 x^{2} + 3 x + 1}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A313155
Score: 4.84984
Type of gen. func.: ogf

$$\frac{x^{12} + 3 x^{11} + 5 x^{10} + 5 x^{9} + 6 x^{8} + 6 x^{7} + 6 x^{6} + 6 x^{5} + 6 x^{4} + 5 x^{3} + 5 x^{2} + 3 x + 1}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A313169
Score: 4.04929
Type of gen. func.: ogf

$$\frac{x^{14} + 4 x^{13} + 8 x^{12} + 11 x^{11} + 9 x^{10} + 7 x^{9} + 9 x^{8} + 13 x^{7} + 9 x^{6} + 7 x^{5} + 9 x^{4} + 11 x^{3} + 8 x^{2} + 4 x + 1}{(x^{2} + 1) (x^{4} - x^{2} + 1) (x^{2} - x + 1) (x^{2} + x + 1) (x + 1)^{2} (x - 1)^{2}}$$

Sequence: A313170
Score: 3.55276
Type of gen. func.: ogf

$$\frac{x^{12} + 3 x^{11} + 4 x^{10} + 4 x^{9} + x^{8} + 2 x^{7} + 7 x^{6} + 2 x^{5} + x^{4} + 4 x^{3} + 4 x^{2} + 3 x + 1}{(x^{2} + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x + 1)^{2} (x - 1)^{2}}$$

Sequence: A313172
Score: 3.70504
Type of gen. func.: ogf

$$-(x^{14} + x^{13} + 2 x^{12} + x^{11} - 2 x^{10} - 6 x^{9} - 16 x^{8} - 24 x^{7} - 32 x^{6} - 34 x^{5} - 29 x^{4} - 21 x^{3} - 11 x^{2} - 4 x - 1) / ((x - 1)^{2} (x^{2} + 1)^{2} (x^{2} + x + 1)^{2})$$

Sequence: A313173
Score: 3.80572
Type of gen. func.: ogf

$$-(2 x^{12} - x^{11} - 5 x^{10} - 15 x^{9} - 24 x^{8} - 37 x^{7} - 39 x^{6} - 39 x^{5} - 33 x^{4} - 24 x^{3} - 13 x^{2} - 5 x - 1) / ((x + 1) (x - 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A313173
Score: 4.11913
Type of gen. func.: ogf

$$-(2 x^{12} - x^{11} - 5 x^{10} - 15 x^{9} - 24 x^{8} - 37 x^{7} - 39 x^{6} - 39 x^{5} - 33 x^{4} - 24 x^{3} - 13 x^{2} - 5 x - 1) / ((x + 1) (x - 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A313174
Score: 6.78851
Type of gen. func.: ogf

$$\frac{x^{6} + 4 x^{5} + 8 x^{4} + 11 x^{3} + 8 x^{2} + 4 x + 1}{(x^{2} + 1) (x + 1)^{2} (x - 1)^{2}}$$

Sequence: A313174
Score: 7.06559
Type of gen. func.: ogf

6 5 4 3 2

$$\frac{x + 4 x + 8 x + 11 x + 8 x + 4 x + 1}{(x^2 + 1) (x + 1)^2 (x - 1)^2}$$

Sequence: A313193
Score: 5.95162
Type of gen. func.: ogf

$$\frac{(x^4 + x^3 + 3 x^2 + x + 1) (x + 1)^2}{(x^2 + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A313193
Score: 6.63181
Type of gen. func.: ogf

$$\frac{(x^4 + x^3 + 3 x^2 + x + 1) (x + 1)^2}{(x^2 + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A313196
Score: 3.24191
Type of gen. func.: ogf

$$- (x^{18} + 2 x^{16} + x^{14} - 2 x^{13} - 3 x^{11} - x^{10} - 5 x^9 - 7 x^8 - 12 x^7 - 13 x^6 - 14 x^5 - 13 x^4 - 11 x^3 - 7 x^2 - 3 x - 1) / ((x^2 + 1) (x^2 - x + 1) (x - 1)^2 (x^2 + x + 1)^2)$$

Sequence: A313201
Score: 4.93858
Type of gen. func.: ogf

$$\frac{x^8 + 2 x^7 + 2 x^6 + 2 x^5 + 2 x^3 + 2 x^2 + 2 x + 1}{(x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A313201
Score: 6.63181
Type of gen. func.: ogf

$$\frac{x^8 + 2x^7 + 2x^6 + 2x^5 + 2x^3 + 2x^2 + 2x + 1}{(x^6 + x^3 + 1)(x - 1)^2}$$

Sequence: A313204
Score: 3.764
Type of gen. func.: ogf

$$-(x^{15} - x^{13} + x^{11} - 2x^{10} - 4x^9 - 9x^8 - 11x^7 - 10x^6 - 8x^5 - 10x^4 - 11x^3 - 8x^2 - 4x - 1) / ((x^2 + 1)(x^4 + 1)(x - 1)^2 (x + 1)^2)$$

Sequence: A313204
Score: 4.29840
Type of gen. func.: ogf

$$-(x^{15} - x^{13} + x^{11} - 2x^{10} - 4x^9 - 9x^8 - 11x^7 - 10x^6 - 8x^5 - 10x^4 - 11x^3 - 8x^2 - 4x - 1) / ((x^2 + 1)(x^4 + 1)(x - 1)^2 (x + 1)^2)$$

Sequence: A313212
Score: 3.35049
Type of gen. func.: ogf

$$(x^{12} + 3x^{11} + 5x^{10} + 6x^9 + 4x^8 + 5x^7 + 4x^6 + 5x^5 + 4x^4 + 6x^3 + 5x^2 + 3x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2)$$

Sequence: A313212
Score: 4.79625
Type of gen. func.: ogf

$$(x^{12}+3x^{11}+5x^{10}+6x^9+4x^8+5x^7+4x^6+5x^5+4x^4+6x^3+5x^2+3x+1)\,/\,((x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2)$$

Sequence: A313213
Score: 3.43261
Type of gen. func.: ogf

$$(x^{12}+2x^{11}+3x^{10}+3x^9+x^8+4x^7+x^6+4x^5+x^4+3x^3+3x^2+2x+1)\,/\,((x^2+1)(x^2+x+1)(x^2-x+1)(x^4-x^2+1)(x-1)^2)$$

Sequence: A313216
Score: 4.16817
Type of gen. func.: ogf

$$-(x^{12}-x^{11}+x^{10}-2x^9+2x^8-3x^7-6x^5-2x^4-4x^3-3x^2-2x-1)\,/\,((x+1)(x^2+1)(x^2-x+1)(x-1)^2)$$

Sequence: A313216
Score: 4.16817
Type of gen. func.: ogf

$$-(x^{12}-x^{11}+x^{10}-2x^9+2x^8-3x^7-6x^5-2x^4-4x^3-3x^2-2x-1)\,/\,((x+1)(x^2+1)(x^2-x+1)(x-1)^2)$$

Sequence: A313224
Score: 3.55458
Type of gen. func.: ogf

$$-(2x^{16}+x^{15}+2x^{13}-x^{12}-2x^{11}-3x^{10}-5x^9-13x^8-16x^7-21x^6$$

```
           5        4        3       2              /          2
     - 21 x  - 20 x  - 15 x  - 9 x  - 4 x - 1)  /  ((x - 1)
                                               /

      4    3    2         2
    (x  + x  + x  + x + 1) )


------------------------------------------------------------------------------

Sequence:  A313224
Score: 4.02444
Type of gen. func.: ogf


      16    15      13    12      11      10      9       8       7       6
- (2 x   + x   + 2 x   - x   - 2 x   - 3 x   - 5 x  - 13 x  - 16 x  - 21 x

           5        4        3       2              /          2
     - 21 x  - 20 x  - 15 x  - 9 x  - 4 x - 1)  /  ((x - 1)
                                               /

      4    3    2         2
    (x  + x  + x  + x + 1) )


------------------------------------------------------------------------------

Sequence:  A313225
Score: 3.89029
Type of gen. func.: ogf


    12    10      9      8       7       6       5       4       3      2
- (x   - x   - 3 x  - 9 x  - 11 x  - 15 x  - 14 x  - 14 x  - 11 x  - 7 x  - 3 x

            /    2        2                 2   2         2
     - 1)  /  ((x  + 1) (x  - x + 1) (x - 1)  (x  + x + 1) )
          /


------------------------------------------------------------------------------

Sequence:  A313226
Score: 4.19313
Type of gen. func.: ogf


      11      10      9      8       7       6      5       4       3      2
- (2 x   - 3 x   - 4 x  - 9 x  - 11 x  - 10 x  - 8 x  - 11 x  - 11 x  - 8 x

                  /    2        4             2        2
     - 4 x - 1)  /  ((x  + 1) (x  + 1) (x + 1)  (x - 1) )
                /


------------------------------------------------------------------------------

Sequence:  A313226
Score: 4.86286
Type of gen. func.: ogf


      11      10      9      8       7       6      5       4       3      2
- (2 x   - 3 x   - 4 x  - 9 x  - 11 x  - 10 x  - 8 x  - 11 x  - 11 x  - 8 x
```

$$- 4 x - 1) / ((x^2 + 1) (x^4 + 1) (x + 1)^2 (x - 1)^2)$$

Sequence: A313228
Score: 3.74376
Type of gen. func.: ogf

$$\frac{(x^{10} + 2 x^8 - x^7 + 2 x^6 - x^5 + 2 x^4 - x^3 + 2 x^2 + 1) (x + 1)^2}{(x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A313229
Score: 3.44952
Type of gen. func.: ogf

$$\frac{(x^{10} + x^9 + 2 x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + 2 x^2 + x + 1) (x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A313229
Score: 4.79625
Type of gen. func.: ogf

$$\frac{(x^{10} + x^9 + 2 x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + 2 x^2 + x + 1) (x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A313230
Score: 4.79625
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^9 + 4 x^8 + 5 x^7 + 6 x^6 + 7 x^5 + 6 x^4 + 5 x^3 + 4 x^2 + 2 x + 1}{(x - 1)^2 (x^2 - x + 1)^2 (x^2 + x + 1)^2}$$

Sequence: A313232
Score: 6.66907
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)\,(x^2 + 1)\,(x + 1)^2}{(x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A313232
Score: 7.52959
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)\,(x^2 + 1)\,(x + 1)^2}{(x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A313236
Score: 3.39928
Type of gen. func.: ogf

$$- (x^{17} + x^{13} - 2 x^{12} - 5 x^{11} - 10 x^{10} - 15 x^9 - 21 x^8 - 25 x^7 - 27 x^6 - 24 x^5 - 20 x^4 - 15 x^3 - 9 x^2 - 4 x - 1) \Big/ ((x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2)$$

Sequence: A313236
Score: 4.19313
Type of gen. func.: ogf

$$- (x^{17} + x^{13} - 2 x^{12} - 5 x^{11} - 10 x^{10} - 15 x^9 - 21 x^8 - 25 x^7 - 27 x^6 - 24 x^5 - 20 x^4 - 15 x^3 - 9 x^2 - 4 x - 1) \Big/ ((x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2)$$

Sequence: A313237
Score: 4.69968
Type of gen. func.: ogf

8 7 6 5 4 3 2

$$\frac{x + 2 x + 4 x + 5 x + 5 x + 5 x + 4 x + 2 x + 1}{(x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A313237
Score: 4.82932
Type of gen. func.: ogf

$$\frac{x^8 + 2 x^7 + 4 x^6 + 5 x^5 + 5 x^4 + 5 x^3 + 4 x^2 + 2 x + 1}{(x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A313240
Score: 3.72475
Type of gen. func.: ogf

$$(x^{12} + 2 x^{11} + 4 x^{10} + 5 x^9 + 7 x^8 + 7 x^7 + 9 x^6 + 7 x^5 + 7 x^4 + 5 x^3 + 4 x^2 + 2 x + 1) (x + 1)^2 / ((x^4 + 1) (x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A313241
Score: 4.82932
Type of gen. func.: ogf

$$\frac{(x^8 + x^7 + 2 x^6 + x^5 + x^4 + x^3 + 2 x^2 + x + 1) (x + 1)^2}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A313241
Score: 5.51380
Type of gen. func.: ogf

$$\frac{(x^8 + x^7 + 2 x^6 + x^5 + x^4 + x^3 + 2 x^2 + x + 1) (x + 1)^2}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A313246

Score: 3.43261
Type of gen. func.: ogf

$$(x^{12} + 2 x^{11} + 3 x^{10} + 3 x^9 + 2 x^8 + 3 x^7 + x^6 + 3 x^5 + 2 x^4 + 3 x^3 + 3 x^2 + 2 x + 1) / ((x^2 + 1) (x^4 - x^2 + 1) (x^2 - x + 1) (x^2 + x + 1) (x - 1)^2)$$

Sequence: A313247
Score: 4.21839
Type of gen. func.: ogf

$$\frac{(x^6 - x^4 + 2 x^3 - x^2 + 1) (x^2 + x + 1)^3}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A313247
Score: 4.79625
Type of gen. func.: ogf

$$\frac{(x^6 - x^4 + 2 x^3 - x^2 + 1) (x^2 + x + 1)^3}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A313248
Score: 3.74555
Type of gen. func.: ogf

$$\frac{x^{12} + x^{11} + x^{10} + x^9 + x^8 + 3 x^7 - x^6 + 3 x^5 + x^4 + x^3 + x^2 + x + 1}{(x^2 + x + 1) (x^4 - x^2 + 1) (x - 1)^2 (x^2 - x + 1)}$$

Sequence: A313250
Score: 4.21655
Type of gen. func.: ogf

$$- \frac{x^{11} - x^{10} + x^9 - 2 x^8 - 3 x^7 - 6 x^6 - 7 x^5 - 7 x^4 - 7 x^3 - 5 x^2 - 3 x - 1}{(x^2 + 1) (x^2 - x + 1) (x + 1)^2 (x - 1)^2}$$

Sequence: A313250
Score: 4.42870
Type of gen. func.: ogf

$$-\frac{x^{11}-x^{10}+x^{9}-2x^{8}-3x^{7}-6x^{6}-7x^{5}-7x^{4}-7x^{3}-5x^{2}-3x-1}{(x^{2}+1)(x^{2}-x+1)(x+1)^{2}(x-1)^{2}}$$

Sequence: A313251
Score: 4.42870
Type of gen. func.: ogf

$$\frac{x^{10}+x^{9}+x^{8}+x^{7}+2x^{5}+x^{3}+x^{2}+x+1}{(x^{2}+1)(x^{2}-x+1)(x^{4}-x^{2}+1)(x-1)}$$

Sequence: A313251
Score: 4.69443
Type of gen. func.: ogf

$$\frac{x^{10}+x^{9}+x^{8}+x^{7}+2x^{5}+x^{3}+x^{2}+x+1}{(x^{2}+1)(x^{2}-x+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A313255
Score: 3.95598
Type of gen. func.: ogf

$$\frac{x^{10}+2x^{9}+3x^{8}+3x^{7}+2x^{6}+3x^{5}+2x^{4}+3x^{3}+3x^{2}+2x+1}{(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)(x-1)^{2}}$$

Sequence: A313258
Score: 4.72593
Type of gen. func.: ogf

$$(x^{6}+2x^{4}-x^{3}+2x^{2}+1)(x+1)^{2}$$

$$\frac{\quad}{(x^4 + 1)(x^2 + 1)(x - 1)^2}$$

Sequence: A313258
Score: 6.70633
Type of gen. func.: ogf

$$\frac{(x^6 + 2x^4 - x^3 + 2x^2 + 1)(x + 1)^2}{(x^4 + 1)(x^2 + 1)(x - 1)^2}$$

Sequence: A313259
Score: 3.46879
Type of gen. func.: ogf

$$\frac{(x^{10} + x^9 + 2x^8 + x^7 + x^6 + 2x^5 + x^4 + x^3 + 2x^2 + x + 1)(x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A313259
Score: 4.82304
Type of gen. func.: ogf

$$\frac{(x^{10} + x^9 + 2x^8 + x^7 + x^6 + 2x^5 + x^4 + x^3 + 2x^2 + x + 1)(x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A313261
Score: 5.81954
Type of gen. func.: ogf

$$\frac{(x^5 + x^3 + 1)(x^5 + x^2 + 1)(x^2 + x + 1)^2}{(x - 1)^2 (x^2 + 1)^2 (x^4 + 1)^2}$$

Sequence: A313262
Score: 3.45178
Type of gen. func.: ogf

$$(x^{12} + 2 x^{11} + 3 x^{10} + 3 x^{9} + 2 x^{8} + 3 x^{7} + 3 x^{6} + 3 x^{5} + 2 x^{4} + 3 x^{3} + 3 x^{2} + 2 x + 1) / ((x^{2} + 1) (x^{4} - x^{2} + 1) (x^{2} - x + 1) (x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A313265
Score: 3.33727
Type of gen. func.: ogf

$$- (x^{14} - 2 x^{12} - 2 x^{11} - 7 x^{10} - 10 x^{9} - 11 x^{8} - 13 x^{7} - 15 x^{6} - 13 x^{5} - 11 x^{4} - 9 x^{3} - 6 x^{2} - 3 x - 1) / ((x^{2} + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} + 1) (x - 1)^{2})$$

Sequence: A313276
Score: 3.60955
Type of gen. func.: ogf

$$\frac{(x^{2} + x + 1) (x^{2} + 1) (x^{8} + 2 x^{7} + x^{6} + x^{4} + x^{2} + 2 x + 1)}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A313276
Score: 4.79625
Type of gen. func.: ogf

$$\frac{(x^{2} + x + 1) (x^{2} + 1) (x^{8} + 2 x^{7} + x^{6} + x^{4} + x^{2} + 2 x + 1)}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A313280
Score: 5.11133
Type of gen. func.: ogf

$$f(x) (f(x) x^{4} - 3 f(x) x^{3} - x^{4} + 4 f(x) x^{2} - x^{3} - 3 f(x) x - x^{2} + f(x) - x - 1)$$

Sequence: A313280
Score: 8.23826
Type of gen. func.: ogf

$$\frac{x^4 + x^3 + x^2 + x + 1}{(x - 1)^2 \, (x^2 - x + 1)}$$

Sequence: A313280
Score: 9.09418
Type of gen. func.: ogf

$$\frac{x^4 + x^3 + x^2 + x + 1}{(x - 1)^2 \, (x^2 - x + 1)}$$

Sequence: A313281
Score: 3.78583
Type of gen. func.: ogf

$$\frac{(x^2 + 1) \, (x^8 + x^7 + x^6 + x^4 + x^2 + x + 1) \, (x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) \, (x - 1)^2}$$

Sequence: A313281
Score: 4.82304
Type of gen. func.: ogf

$$\frac{(x^2 + 1) \, (x^8 + x^7 + x^6 + x^4 + x^2 + x + 1) \, (x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) \, (x - 1)^2}$$

Sequence: A313283
Score: 3.45178
Type of gen. func.: ogf

$$(x^{12} + 2 x^{11} + 3 x^{10} + 3 x^9 + 3 x^8 + 2 x^7 + 3 x^6 + 2 x^5 + 3 x^4 + 3 x^3 + 3 x^2$$

$$+ 2 x + 1) \Big/ \left((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2\right)$$

Sequence: A313284
Score: 4.00043
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^8 + 2 x^7 + 2 x^6 + x^5 + x^4 + x^3 + 2 x^2 + 2 x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A313289
Score: 5.63331
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1) (x + 1)^2 (x^2 + x + 1)^2}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A313289
Score: 6.46022
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1) (x + 1)^2 (x^2 + x + 1)^2}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A313290
Score: 4.23998
Type of gen. func.: ogf

$$\frac{(x^8 + x^6 - x^5 + 2 x^4 - x^3 + x^2 + 1) (x + 1)^2}{(x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A313290
Score: 4.62795
Type of gen. func.: ogf

$$\frac{(x^8 + x^6 - x^5 + 2 x^4 - x^3 + x^2 + 1) (x + 1)^2}{(x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A313292
Score: 4.72593
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A313292
Score: 5.63331
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A313293
Score: 4.75219
Type of gen. func.: ogf

$$\frac{(x + 1)^2 (x^4 + 1) (x^2 + 1)}{(x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A313293
Score: 7.95591
Type of gen. func.: ogf

$$\frac{(x + 1)^2 (x^4 + 1) (x^2 + 1)}{(x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A313295
Score: 5.16844
Type of gen. func.: ogf

$$\frac{(x^6 + x^3 + 1)(x^2 + x + 1)^2}{(x^4 + x^3 + x^2 + x + 1)(x^4 - x^3 + x^2 - x + 1)(x - 1)^2}$$

Sequence: A313296
Score: 3.37179
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)(x^4 + x^3 + x^2 + x + 1)(x^4 - x^3 + x^2 - x + 1)(x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A313296
Score: 4.84984
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)(x^4 + x^3 + x^2 + x + 1)(x^4 - x^3 + x^2 - x + 1)(x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A313297
Score: 4.04615
Type of gen. func.: ogf

$$\frac{x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}{(x^2 + 1)(x^2 - x + 1)(x^4 - x^2 + 1)(x - 1)^2}$$

Sequence: A313297
Score: 4.26552
Type of gen. func.: ogf

$$\frac{x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}{(x^2 + 1)(x^2 - x + 1)(x^4 - x^2 + 1)(x - 1)^2}$$

Sequence: A313300
Score: 3.33453
Type of gen. func.: ogf

$$-\frac{2x^{13}-x^{12}-3x^{11}-16x^{10}-32x^{9}-47x^{8}-60x^{7}-63x^{6}-58x^{5}-43x^{4}-30x^{3}-14x^{2}-5x-1}{(x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}(x+1)^{2}(x^{2}+1)^{2}}$$

Sequence: A313316
Score: 5.23564
Type of gen. func.: ogf

$$-\frac{2x^{9}-3x^{8}-2x^{7}-13x^{6}-16x^{5}-15x^{4}-16x^{3}-9x^{2}-4x-1}{(x-1)^{2}(x+1)^{2}(x^{2}+1)^{2}}$$

Sequence: A313316
Score: 5.95162
Type of gen. func.: ogf

$$-\frac{2x^{9}-3x^{8}-2x^{7}-13x^{6}-16x^{5}-15x^{4}-16x^{3}-9x^{2}-4x-1}{(x-1)^{2}(x+1)^{2}(x^{2}+1)^{2}}$$

Sequence: A313321
Score: 5.23564
Type of gen. func.: ogf

$$-\frac{2x^{9}-3x^{8}-2x^{7}-13x^{6}-16x^{5}-16x^{4}-16x^{3}-9x^{2}-4x-1}{(x-1)^{2}(x+1)^{2}(x^{2}+1)^{2}}$$

Sequence: A313321
Score: 5.95162

Type of gen. func.: ogf

$$-\frac{2 x^{9} - 3 x^{8} - 2 x^{7} - 13 x^{6} - 16 x^{5} - 16 x^{4} - 16 x^{3} - 9 x^{2} - 4 x - 1}{(x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2}}$$

Sequence: A313325
Score: 4.57681
Type of gen. func.: ogf

$$-\frac{(x^{2} - x + 1) (2 x^{7} - 2 x^{6} - x^{4} - 5 x^{3} - 4 x^{2} - 3 x - 1) (x^{2} + x + 1)^{2}}{(x - 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2}}$$

Sequence: A313325
Score: 4.76362
Type of gen. func.: ogf

$$-\frac{(x^{2} - x + 1) (2 x^{7} - 2 x^{6} - x^{4} - 5 x^{3} - 4 x^{2} - 3 x - 1) (x^{2} + x + 1)^{2}}{(x - 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2}}$$

Sequence: A313333
Score: 4.8563
Type of gen. func.: ogf

$$\frac{(x^{2} + x + 1) (x^{8} + 3 x^{7} + 5 x^{6} + 8 x^{5} + 7 x^{4} + 8 x^{3} + 5 x^{2} + 3 x + 1)}{(x - 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2}}$$

Sequence: A313333
Score: 5.50128
Type of gen. func.: ogf

$$\frac{(x^{2} + x + 1) (x^{8} + 3 x^{7} + 5 x^{6} + 8 x^{5} + 7 x^{4} + 8 x^{3} + 5 x^{2} + 3 x + 1)}{(x - 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2}}$$

Sequence: A313334
Score: 4.04692
Type of gen. func.: ogf

$$-(x^2+1)(x^{12}-x^{10}+x^9-x^8-6x^7-9x^6-11x^5-12x^4-12x^3-8x^2-4x-1) \Big/ ((x-1)^2(x^4+x^3+x^2+x+1)^2)$$

Sequence: A313334
Score: 4.79023
Type of gen. func.: ogf

$$-(x^2+1)(x^{12}-x^{10}+x^9-x^8-6x^7-9x^6-11x^5-12x^4-12x^3-8x^2-4x-1) \Big/ ((x-1)^2(x^4+x^3+x^2+x+1)^2)$$

Sequence: A313335
Score: 3.57444
Type of gen. func.: ogf

$$-(2x^{13}-3x^{12}-2x^{11}-13x^{10}-12x^9-24x^8-26x^7-26x^6-26x^5-20x^4-16x^3-9x^2-4x-1) \Big/ ((x-1)^2(x+1)^2(x^2+x+1)^2(x^2-x+1)^2)$$

Sequence: A313335
Score: 4.45673
Type of gen. func.: ogf

$$-(2x^{13}-3x^{12}-2x^{11}-13x^{10}-12x^9-24x^8-26x^7-26x^6-26x^5-20x^4-16x^3-9x^2-4x-1) \Big/ ((x-1)^2(x+1)^2(x^2+x+1)^2$$

$$(x^2 - x + 1)^2)$$

Sequence: A313337
Score: 3.32153
Type of gen. func.: ogf

$$-(x^2 + 1) (2 x^{13} - 3 x^{12} - 4 x^{11} - 8 x^{10} - 12 x^9 - 12 x^8 - 18 x^7 - 18 x^6 - 16 x^5 - 12 x^4 - 12 x^3 - 8 x^2 - 4 x - 1) / ((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A313337
Score: 3.95598
Type of gen. func.: ogf

$$-(x^2 + 1) (2 x^{13} - 3 x^{12} - 4 x^{11} - 8 x^{10} - 12 x^9 - 12 x^8 - 18 x^7 - 18 x^6 - 16 x^5 - 12 x^4 - 12 x^3 - 8 x^2 - 4 x - 1) / ((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A313345
Score: 3.59267
Type of gen. func.: ogf

$$-(x^2 + 1) (x^{14} - x^{13} + x^{11} - 3 x^9 + 4 x^8 - 4 x^7 - 2 x^6 - 2 x^5 - 2 x^4 - 3 x^3 - 2 x^2 - 2 x - 1) / ((x + 1) (x^2 + x + 1) (x - 1)^2 (x^2 - x + 1)^2)$$

Sequence: A313349
Score: 4.21655
Type of gen. func.: ogf

$$-(2 x^{13} - 3 x^{12} - 6 x^{11} - 7 x^{10} - 2 x^9 - 9 x^8 - 14 x^7 - 10 x^6 - 8 x^5 - 7 x^4 - 8 x^3 - 7 x^2 - 4 x - 1) / ((x - 1)^2 (x + 1)^2 (x^4 + 1)^2)$$

/

Sequence: A313356
Score: 3.82698
Type of gen. func.: ogf

$$-(2x^{12}-x^{11}-5x^{10}-15x^{9}-26x^{8}-41x^{7}-42x^{6}-42x^{5}-37x^{4}-26x^{3}-13x^{2}-5x-1) / ((x+1)(x-1)^{2}(x^{4}+x^{3}+x^{2}+x+1)^{2})$$

Sequence: A313356
Score: 4.14214
Type of gen. func.: ogf

$$-(2x^{12}-x^{11}-5x^{10}-15x^{9}-26x^{8}-41x^{7}-42x^{6}-42x^{5}-37x^{4}-26x^{3}-13x^{2}-5x-1) / ((x+1)(x-1)^{2}(x^{4}+x^{3}+x^{2}+x+1)^{2})$$

Sequence: A313357
Score: 4.39799
Type of gen. func.: ogf

$$-(2x^{11}-3x^{10}-2x^{9}-11x^{8}-20x^{7}-22x^{6}-22x^{5}-22x^{4}-18x^{3}-9x^{2}-4x-1) / ((x-1)^{2}(x^{4}+x^{3}+x^{2}+x+1)^{2})$$

Sequence: A313357
Score: 5.13099
Type of gen. func.: ogf

$$-(2x^{11}-3x^{10}-2x^{9}-11x^{8}-20x^{7}-22x^{6}-22x^{5}-22x^{4}-18x^{3}-9x^{2}-4x-1) / ((x-1)^{2}(x^{4}+x^{3}+x^{2}+x+1)^{2})$$

Sequence: A313382

Score: 3.48384
Type of gen. func.: ogf

$$-(x^{16} - 2x^{12} - 3x^{11} - 3x^{10} - 5x^{9} - 5x^{8} - 7x^{7} - 8x^{6} - 6x^{5} - 5x^{4} - 4x^{3} - 3x^{2} - 3x - 1)(x + 1)^{2} \Big/ \left((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2}\right)$$

Sequence: A313395
Score: 3.18296
Type of gen. func.: ogf

$$(x^{4} + 1)(x^{12} + 4x^{11} + 5x^{10} + 5x^{9} + 11x^{8} + 12x^{7} + 9x^{6} + 12x^{5} + 11x^{4} + 5x^{3} + 5x^{2} + 4x + 1) \Big/ \left((x^{2} + x + 1)(x^{6} + x^{3} + 1)(x - 1)^{2} (x + 1)^{2} (x^{2} - x + 1)^{2}\right)$$

Sequence: A313416
Score: 5.98506
Type of gen. func.: ogf

$$\frac{(x^{4} + 2x^{3} + x^{2} + 2x + 1)(x + 1)^{2}}{(x^{2} + 1)(x^{2} + x + 1)(x - 1)^{2}}$$

Sequence: A313416
Score: 6.66907
Type of gen. func.: ogf

$$\frac{(x^{4} + 2x^{3} + x^{2} + 2x + 1)(x + 1)^{2}}{(x^{2} + 1)(x^{2} + x + 1)(x - 1)^{2}}$$

Sequence: A313425
Score: 3.50126
Type of gen. func.: ogf

$$(x^{14} + 3 x^{13} + 3 x^{12} + 4 x^{11} + 9 x^{10} + 8 x^{9} + 13 x^{8} + 6 x^{7} + 13 x^{6} + 8 x^{5} + 9 x^{4} + 4 x^{3} + 3 x^{2} + 3 x + 1) / ((x^{4} + 1) (x - 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2})$$

Sequence: A313431
Score: 4.14350
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + 6 x^{8} + 8 x^{7} + 15 x^{6} + 6 x^{5} + 15 x^{4} + 8 x^{3} + 6 x^{2} + 4 x + 1}{(x^{2} - x + 1) (x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2}}$$

Sequence: A313431
Score: 4.4888
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + 6 x^{8} + 8 x^{7} + 15 x^{6} + 6 x^{5} + 15 x^{4} + 8 x^{3} + 6 x^{2} + 4 x + 1}{(x^{2} - x + 1) (x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2}}$$

Sequence: A313438
Score: 3.26302
Type of gen. func.: ogf

$$- (2 x^{17} - x^{16} - x^{15} + x^{14} + x^{13} - 2 x^{12} + x^{11} - 2 x^{10} - 6 x^{9} - 4 x^{8} - 5 x^{7} - 5 x^{6} - 5 x^{5} - 7 x^{4} - 3 x^{3} - 5 x^{2} - 4 x - 1) / ((x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2})$$

Sequence: A313439
Score: 4.07031
Type of gen. func.: ogf

$$- (x^{12} - 3 x^{10} - 2 x^{9} - 5 x^{8} - 8 x^{7} - 8 x^{6} - 10 x^{5} - 11 x^{4} - 4 x^{3} - 5 x^{2} - 4 x$$

$$- 1) \Big/ \left((x^2 + x + 1) (x - 1)^2 (x + 1)^2 (x^2 - x + 1)^2\right)$$

Sequence: A313439
Score: 4.14214
Type of gen. func.: ogf

$$- (x^{12} - 3 x^{10} - 2 x^9 - 5 x^8 - 8 x^7 - 8 x^6 - 10 x^5 - 11 x^4 - 4 x^3 - 5 x^2 - 4 x - 1) \Big/ \left((x^2 + x + 1) (x - 1)^2 (x + 1)^2 (x^2 - x + 1)^2\right)$$

Sequence: A313441
Score: 3.80629
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 6 x^{10} + 8 x^9 + 17 x^8 + 17 x^7 + 17 x^6 + 17 x^5 + 17 x^4 + 8 x^3 + 6 x^2 + 4 x + 1) \Big/ \left((x^2 - x + 1) (x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2\right)$$

Sequence: A313442
Score: 4.1408
Type of gen. func.: ogf

$$- (x^{13} + x^{12} - x^{10} - 6 x^9 - 12 x^8 - 15 x^7 - 21 x^6 - 24 x^5 - 20 x^4 - 13 x^3 - 10 x^2 - 5 x - 1) \Big/ \left((x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2\right)$$

Sequence: A313442
Score: 4.78430
Type of gen. func.: ogf

$$- (x^{13} + x^{12} - x^{10} - 6 x^9 - 12 x^8 - 15 x^7 - 21 x^6 - 24 x^5 - 20 x^4 - 13 x^3 - 10 x^2 - 5 x - 1) \Big/ \left((x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2\right)$$

Sequence: A313444
Score: 3.34267
Type of gen. func.: ogf

$$-(2x^{16}+2x^{15}-2x^{13}+2x^{12}-x^{11}-x^{10}-6x^{9}-4x^{8}-13x^{7}-13x^{6}-19x^{5}-15x^{4}-12x^{3}-10x^{2}-5x-1)\Big/\left((x+1)(x^{2}-x+1)(x-1)^{2}(x^{2}+x+1)^{2}\right)$$

Sequence: A313444
Score: 3.93364
Type of gen. func.: ogf

$$-(2x^{16}+2x^{15}-2x^{13}+2x^{12}-x^{11}-x^{10}-6x^{9}-4x^{8}-13x^{7}-13x^{6}-19x^{5}-15x^{4}-12x^{3}-10x^{2}-5x-1)\Big/\left((x+1)(x^{2}-x+1)(x-1)^{2}(x^{2}+x+1)^{2}\right)$$

Sequence: A313446
Score: 3.72574
Type of gen. func.: ogf

$$(x^{12}+6x^{11}+16x^{10}+28x^{9}+44x^{8}+56x^{7}+62x^{6}+56x^{5}+44x^{4}+28x^{3}+16x^{2}+6x+1)\Big/\left((x^{2}+x+1)(x-1)^{2}(x^{4}+x^{3}+x^{2}+x+1)^{2}\right)$$

Sequence: A313455
Score: 4.12036
Type of gen. func.: ogf

$$-(2x^{16}-2x^{15}+x^{12}-7x^{11}-2x^{9}-2x^{8}-8x^{7}-2x^{6}-6x^{5}-2x^{4}-2x^{3}-2x^{2}-3x-1)\Big/\left((x^{2}+1)(x^{4}+1)^{2}(x-1)^{2}\right)$$

Sequence: A313467
Score: 3.48384
Type of gen. func.: ogf

$$(x^{14} + 3 x^{13} + 3 x^{12} + 5 x^{11} + 5 x^{10} + 15 x^{9} + 5 x^{8} + 14 x^{7} + 5 x^{6} + 15 x^{5} + 5 x^{4} + 5 x^{3} + 3 x^{2} + 3 x + 1) / ((x^{4} + 1) (x - 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2})$$

Sequence: A313474
Score: 4.07311
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^{9} + x^{8} - x^{7} + x^{6} + 3 x^{5} + x^{4} - x^{3} + x^{2} + 3 x + 1}{(x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A313474
Score: 4.14628
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^{9} + x^{8} - x^{7} + x^{6} + 3 x^{5} + x^{4} - x^{3} + x^{2} + 3 x + 1}{(x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A313475
Score: 4.07216
Type of gen. func.: ogf

$$\frac{(x^{10} + 2 x^{9} + 2 x^{7} + 2 x^{5} + 2 x^{3} + 2 x + 1) (x + 1)^{2}}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A313475
Score: 4.76945
Type of gen. func.: ogf

$$(x^{10} + 2 x^{9} + 2 x^{7} + 2 x^{5} + 2 x^{3} + 2 x + 1) (x + 1)^{2}$$

$$\overline{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A313476
Score: 3.91202
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 2 x^8 + 2 x^7 + 2 x^6 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 3 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A313477
Score: 5.48299
Type of gen. func.: ogf

$$\frac{(x^8 + 2 x^7 + 2 x^5 + 2 x^3 + 2 x + 1) (x + 1)^2}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A313477
Score: 5.75488
Type of gen. func.: ogf

$$\frac{(x^8 + 2 x^7 + 2 x^5 + 2 x^3 + 2 x + 1) (x + 1)^2}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A313480
Score: 6.38844
Type of gen. func.: ogf

$$\frac{x^6 + 3 x^5 + x^4 - x^3 + x^2 + 3 x + 1}{(x - 1)^2 (x^4 + 1)}$$

Sequence: A313480
Score: 7.82405
Type of gen. func.: ogf

$$\frac{x^6 + 3 x^5 + x^4 - x^3 + x^2 + 3 x + 1}{(x - 1)^2 (x^4 + 1)}$$

Sequence: A313485
Score: 3.97909
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^9 - x^8 + x^7 + 2 x^6 - x^5 + 2 x^4 + x^3 - x^2 + 2 x + 1}{(x^2 + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A313485
Score: 4.19482
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^9 - x^8 + x^7 + 2 x^6 - x^5 + 2 x^4 + x^3 - x^2 + 2 x + 1}{(x^2 + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A313487
Score: 5.78721
Type of gen. func.: ogf

$$\frac{(x^6 + 2 x^5 + 2 x^3 + 2 x + 1) (x + 1)^2}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A313487
Score: 6.42433
Type of gen. func.: ogf

$$\frac{(x^6 + 2 x^5 + 2 x^3 + 2 x + 1) (x + 1)^2}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A313491
Score: 3.38286
Type of gen. func.: ogf

$$-(x^{19}-x^{14}-5x^{13}-10x^{12}-10x^{11}-10x^{10}-13x^{9}-18x^{8}-20x^{7}-18x^{6}-13x^{5}-9x^{4}-9x^{3}-9x^{2}-5x-1)\Big/\left((x^{2}+1)(x-1)^{2}(x+1)^{2}(x^{4}+1)^{2}\right)$$

Sequence: A313494
Score: 3.53663
Type of gen. func.: ogf

$$\frac{(x^{10}+x^{9}-x^{8}+3x^{7}-3x^{6}+5x^{5}-3x^{4}+3x^{3}-x^{2}+x+1)(x+1)^{2}}{(x^{2}+1)(x^{2}+x+1)(x^{2}-x+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A313498
Score: 3.35049
Type of gen. func.: ogf

$$(x^{12}+4x^{11}+5x^{10}+4x^{9}+4x^{8}+5x^{7}+4x^{6}+5x^{5}+4x^{4}+4x^{3}+5x^{2}+4x+1)\Big/\left((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}\right)$$

Sequence: A313498
Score: 4.79625
Type of gen. func.: ogf

$$(x^{12}+4x^{11}+5x^{10}+4x^{9}+4x^{8}+5x^{7}+4x^{6}+5x^{5}+4x^{4}+4x^{3}+5x^{2}+4x+1)\Big/\left((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}\right)$$

Sequence: A313506
Score: 3.934
Type of gen. func.: ogf

$$\frac{x^{10}+3x^9+2x^8+2x^7+2x^6+3x^5+2x^4+2x^3+2x^2+3x+1}{(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x-1)^2}$$

Sequence: A313510
Score: 5.98506
Type of gen. func.: ogf

$$\frac{x^6+3x^5+2x^4+2x^3+2x^2+3x+1}{(x^2-x+1)(x^2+x+1)(x-1)^2}$$

Sequence: A313510
Score: 6.19692
Type of gen. func.: ogf

$$\frac{x^6+3x^5+2x^4+2x^3+2x^2+3x+1}{(x^2-x+1)(x^2+x+1)(x-1)^2}$$

Sequence: A313512
Score: 4.19145
Type of gen. func.: ogf

$$-(x^{16}-x^{14}-6x^{11}-8x^{10}-5x^9-x^8-10x^7-18x^6-10x^5-x^4-4x^3-8x^2-5x-1)\Big/\left((x-1)^2(x+1)^2(x^4+1)\right)$$

Sequence: A313514
Score: 3.39928
Type of gen. func.: ogf

$$\frac{(x^2-x+1)(x^8+3x^7+2x^6+x^5-x^4+x^3+2x^2+3x+1)(x+1)^2}{}$$

$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2$$

Sequence: A313514
Score: 4.79625
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1) (x^8 + 3 x^7 + 2 x^6 + x^5 - x^4 + x^3 + 2 x^2 + 3 x + 1) (x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A313515
Score: 3.45178
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 2 x^{10} + 2 x^9 + 2 x^8 + 3 x^7 + 3 x^6 + 3 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 3 x + 1) / ((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2)$$

Sequence: A313519
Score: 3.35049
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 5 x^{10} + 4 x^9 + 4 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 4 x^4 + 4 x^3 + 5 x^2 + 4 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A313519
Score: 4.79625
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 5 x^{10} + 4 x^9 + 4 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 4 x^4 + 4 x^3 + 5 x^2 + 4 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A313522
Score: 3.53851
Type of gen. func.: ogf

$$(x^2 + x + 1) (x^{12} + 4 x^{11} + 5 x^{10} + 5 x^9 + 8 x^8 + 11 x^7 + 10 x^6 + 11 x^5 + 8 x^4 + 5 x^3 + 5 x^2 + 4 x + 1) / ((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A313522
Score: 4.14214
Type of gen. func.: ogf

$$(x^2 + x + 1) (x^{12} + 4 x^{11} + 5 x^{10} + 5 x^9 + 8 x^8 + 11 x^7 + 10 x^6 + 11 x^5 + 8 x^4 + 5 x^3 + 5 x^2 + 4 x + 1) / ((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A313524
Score: 4.79625
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 3 x^8 + 5 x^7 + 5 x^6 + 9 x^5 + 5 x^4 + 5 x^3 + 3 x^2 + 3 x + 1}{(x - 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2}$$

Sequence: A313525
Score: 3.89041
Type of gen. func.: ogf

$$\frac{(x^8 + 2 x^7 - x^6 + x^5 + 2 x^4 + x^3 - x^2 + 2 x + 1) (x^2 + x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A313528
Score: 3.40176
Type of gen. func.: ogf

$$-(x^{16}+x^{14}-x^{12}-6x^{11}-11x^{10}-16x^{9}-19x^{8}-25x^{7}-28x^{6}-24x^{5}-18x^{4}-14x^{3}-10x^{2}-5x-1)\Big/\left((x-1)^{2}(x+1)^{2}(x^{2}+x+1)^{2}(x^{2}-x+1)^{2}\right)$$

Sequence: A313528
Score: 4.19145
Type of gen. func.: ogf

$$-(x^{16}+x^{14}-x^{12}-6x^{11}-11x^{10}-16x^{9}-19x^{8}-25x^{7}-28x^{6}-24x^{5}-18x^{4}-14x^{3}-10x^{2}-5x-1)\Big/\left((x-1)^{2}(x+1)^{2}(x^{2}+x+1)^{2}(x^{2}-x+1)^{2}\right)$$

Sequence: A313533
Score: 5.39799
Type of gen. func.: ogf

$$\frac{x^{8}+3x^{7}+x^{6}-x^{5}+x^{4}-x^{3}+x^{2}+3x+1}{(x^{2}+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A313533
Score: 5.57072
Type of gen. func.: ogf

$$\frac{x^{8}+3x^{7}+x^{6}-x^{5}+x^{4}-x^{3}+x^{2}+3x+1}{(x^{2}+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A313534
Score: 3.35049
Type of gen. func.: ogf

$$(x^{12}+4x^{11}+5x^{10}+4x^{9}+5x^{8}+4x^{7}+4x^{6}+4x^{5}+5x^{4}+4x^{3}+5x^{2}$$

```
                  /    10    9    8    7    6    5    4    3    2
     + 4 x + 1)  /  ((x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1)
                /

           2
    (x - 1) )
```

Sequence: A313534
Score: 4.79625
Type of gen. func.: ogf

```
  12      11      10      9      8      7      6      5      4      3      2
(x   + 4 x   + 5 x   + 4 x  + 5 x  + 4 x  + 4 x  + 4 x  + 5 x  + 4 x  + 5 x

                  /    10    9    8    7    6    5    4    3    2
     + 4 x + 1)  /  ((x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1)
                /

           2
    (x - 1) )
```

Sequence: A313535
Score: 3.15429
Type of gen. func.: ogf

```
  4      3    2
(x  + 2 x  + x  + 2 x + 1)

      10      9      8      7      6      5      4      3      2
    (x   + 4 x  + 6 x  + 6 x  + 6 x  + 7 x  + 6 x  + 6 x  + 6 x  + 4 x + 1)

       /    2        4    3    2            4             2        2
      /  ((x  + 1) (x  + x  + x  + x + 1) (x  + 1) (x - 1)  (x + 1) )
     /
```

Sequence: A313537
Score: 3.934
Type of gen. func.: ogf

```
       10      9      8      7      6    5      4      3      2
      x   + 3 x  + 2 x  + 2 x  + 3 x  + x  + 3 x  + 2 x  + 2 x  + 3 x + 1
      -------------------------------------------------------------------
              4    3    2            4    3    2                 2
            (x  + x  + x  + x + 1) (x  - x  + x  - x + 1) (x - 1)
```

Sequence: A313538
Score: 5.26505
Type of gen. func.: ogf

```
                4    3      2            4      3    2
```

```
(x  + x  - 2 x  + x + 1) (x  + 2 x  + x  + 2 x + 1)
---------------------------------------------------
                 6    3           2
             (x  + x  + 1) (x - 1)
```

Sequence: A313538
Score: 5.98506
Type of gen. func.: ogf

$$\frac{(x^4+x^3-2x^2+x+1)(x^4+2x^3+x^2+2x+1)}{(x^6+x^3+1)(x-1)^2}$$

Sequence: A313540
Score: 4.11913
Type of gen. func.: ogf

$$\frac{x^{10}+3x^9+x^8-x^7+2x^6+2x^5+2x^4-x^3+x^2+3x+1}{(x-1)^2(x^2+x+1)(x^2-x+1)(x^4-x^2+1)}$$

Sequence: A313540
Score: 4.19313
Type of gen. func.: ogf

$$\frac{x^{10}+3x^9+x^8-x^7+2x^6+2x^5+2x^4-x^3+x^2+3x+1}{(x-1)^2(x^2+x+1)(x^2-x+1)(x^4-x^2+1)}$$

Sequence: A313543
Score: 3.35049
Type of gen. func.: ogf

$$(x^{12}+4x^{11}+5x^{10}+4x^9+5x^8+4x^7+6x^6+4x^5+5x^4+4x^3+5x^2+4x+1) \Big/ ((x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2)$$

Sequence: A313543
Score: 4.79625
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 5 x^{10} + 4 x^{9} + 5 x^{8} + 4 x^{7} + 6 x^{6} + 4 x^{5} + 5 x^{4} + 4 x^{3} + 5 x^{2} + 4 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A313545
Score: 3.97833
Type of gen. func.: ogf

$$- (x^{15} - x^{13} - 2 x^{12} - 3 x^{11} - 9 x^{10} - 4 x^{9} - 3 x^{8} - 10 x^{7} - 17 x^{6} - 10 x^{5} - 2 x^{4} - 4 x^{3} - 8 x^{2} - 5 x - 1) / ((x - 1)^{2} (x + 1)^{2} (x^{4} + 1)^{2})$$

Sequence: A313546
Score: 3.45178
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 2 x^{10} + 2 x^{9} + 3 x^{8} + x^{7} + 5 x^{6} + x^{5} + 3 x^{4} + 2 x^{3} + 2 x^{2} + 3 x + 1) / ((x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2})$$

Sequence: A313548
Score: 3.45403
Type of gen. func.: ogf

$$(x^{14} + 5 x^{13} + 10 x^{12} + 14 x^{11} + 19 x^{10} + 23 x^{9} + 31 x^{8} + 34 x^{7} + 31 x^{6} + 23 x^{5} + 19 x^{4} + 14 x^{3} + 10 x^{2} + 5 x + 1) / ((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A313548
Score: 4.16515
Type of gen. func.: ogf

$$(x^{14} + 5 x^{13} + 10 x^{12} + 14 x^{11} + 19 x^{10} + 23 x^{9} + 31 x^{8} + 34 x^{7} + 31 x^{6} + 23 x^{5} + 19 x^{4} + 14 x^{3} + 10 x^{2} + 5 x + 1) \Big/ ((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1))$$

Sequence: A313556
Score: 4.63743
Type of gen. func.: ogf

$$\frac{(x^{8} + 2 x^{7} + x^{5} - x^{4} + x^{3} + 2 x + 1) (x + 1)^{2}}{(x^{2} + x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A313556
Score: 4.82932
Type of gen. func.: ogf

$$\frac{(x^{8} + 2 x^{7} + x^{5} - x^{4} + x^{3} + 2 x + 1) (x + 1)^{2}}{(x^{2} + x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A313560
Score: 3.74466
Type of gen. func.: ogf

$$\frac{(x^{10} + 2 x^{9} + 2 x^{7} + x^{6} + x^{5} + x^{4} + 2 x^{3} + 2 x + 1) (x + 1)^{2}}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A313560
Score: 4.79625
Type of gen. func.: ogf

10 9 7 6 5 4 3 2

$$\frac{(x + 2 x + 2 x + x + x + x + 2 x + 2 x + 1) (x + 1)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A313561
Score: 4.72593
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + 2 x^6 + 2 x^5 + 3 x^4 + 2 x^3 + 2 x^2 + 3 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A313561
Score: 5.81954
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + 2 x^6 + 2 x^5 + 3 x^4 + 2 x^3 + 2 x^2 + 3 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A313563
Score: 4.24395
Type of gen. func.: ogf

$$- (x^{13} - 2 x^{10} - 5 x^9 - 10 x^8 - 9 x^7 - 9 x^6 - 10 x^5 - 9 x^4 - 9 x^3 - 9 x^2 - 5 x - 1) / ((x^2 + 1) (x^4 + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A313563
Score: 4.93135
Type of gen. func.: ogf

$$- (x^{13} - 2 x^{10} - 5 x^9 - 10 x^8 - 9 x^7 - 9 x^6 - 10 x^5 - 9 x^4 - 9 x^3 - 9 x^2 - 5 x - 1) / ((x^2 + 1) (x^4 + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A313565
Score: 4.69968
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 6 x^6 + 7 x^5 + 7 x^4 + 7 x^3 + 6 x^2 + 4 x + 1}{(x^2 - x + 1) (x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A313565
Score: 5.42831
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 6 x^6 + 7 x^5 + 7 x^4 + 7 x^3 + 6 x^2 + 4 x + 1}{(x^2 - x + 1) (x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A313568
Score: 7.25942
Type of gen. func.: ogf

$$\frac{(x^4 + 2 x^3 + 2 x + 1) (x + 1)^2}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A313568
Score: 7.57166
Type of gen. func.: ogf

$$\frac{(x^4 + 2 x^3 + 2 x + 1) (x + 1)^2}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A313569
Score: 3.45178
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 2 x^{10} + 2 x^9 + 3 x^8 + 2 x^7 + 3 x^6 + 2 x^5 + 3 x^4 + 2 x^3 + 2 x^2 + 3 x + 1) / ((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2)$$

Sequence: A313572
Score: 3.36921
Type of gen. func.: ogf

$$\left(x^{12} + 4 x^{11} + 5 x^{10} + 4 x^{9} + 5 x^{8} + 5 x^{7} + 6 x^{6} + 5 x^{5} + 5 x^{4} + 4 x^{3} + 5 x^{2} + 4 x + 1\right) \Big/ \left(\left(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1\right) (x - 1)^{2}\right)$$

Sequence: A313572
Score: 4.82304
Type of gen. func.: ogf

$$\left(x^{12} + 4 x^{11} + 5 x^{10} + 4 x^{9} + 5 x^{8} + 5 x^{7} + 6 x^{6} + 5 x^{5} + 5 x^{4} + 4 x^{3} + 5 x^{2} + 4 x + 1\right) \Big/ \left(\left(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1\right) (x - 1)^{2}\right)$$

Sequence: A313575
Score: 6.01850
Type of gen. func.: ogf

$$\frac{x^{6} + 4 x^{5} + 6 x^{4} + 7 x^{3} + 6 x^{2} + 4 x + 1}{(x^{2} + 1) (x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A313575
Score: 6.46022
Type of gen. func.: ogf

$$\frac{x^{6} + 4 x^{5} + 6 x^{4} + 7 x^{3} + 6 x^{2} + 4 x + 1}{(x^{2} + 1) (x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A313580
Score: 5.45864
Type of gen. func.: ogf

$$\frac{(x^8+2x^7+2x^5+x^4+2x^3+2x+1)(x+1)^2}{(x^2+x+1)(x^6+x^3+1)(x-1)^2}$$

Sequence: A313580
Score: 5.54460
Type of gen. func.: ogf

$$\frac{(x^8+2x^7+2x^5+x^4+2x^3+2x+1)(x+1)^2}{(x^2+x+1)(x^6+x^3+1)(x-1)^2}$$

Sequence: A313581
Score: 3.29049
Type of gen. func.: ogf

$$(x^{12}+2x^{11}+2x^9+x^8+2x^7+2x^5+x^4+2x^3+2x+1)(x+1)^2 \Big/ \Big((x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2\Big)$$

Sequence: A313581
Score: 4.29368
Type of gen. func.: ogf

$$(x^{12}+2x^{11}+2x^9+x^8+2x^7+2x^5+x^4+2x^3+2x+1)(x+1)^2 \Big/ \Big((x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2\Big)$$

Sequence: A313583
Score: 3.47096
Type of gen. func.: ogf

$$(x^{12}+3x^{11}+2x^{10}+2x^9+3x^8+3x^7+2x^6+3x^5+3x^4+2x^3+2x^2$$

```
                  /    2        2            2            4    2             2
     + 3 x + 1)  /  ((x  + 1) (x  + x + 1) (x  - x + 1) (x  - x  + 1) (x - 1) )
                /
```

Sequence: A313588
Score: 3.40176
Type of gen. func.: ogf

```
    15    13      12      11       10       9       8       7       6       5
- (x   + x   - 2 x   - 4 x   - 13 x   - 13 x  - 22 x  - 25 x  - 29 x  - 25 x

           4       3       2              /         2        2   2         2
     - 19 x  - 14 x  - 10 x  - 5 x - 1)  /  ((x - 1)  (x + 1)  (x  + x + 1)
                                        /

      2         2
    (x  - x + 1) )
```

Sequence: A313588
Score: 4.19145
Type of gen. func.: ogf

```
    15    13      12      11       10       9       8       7       6       5
- (x   + x   - 2 x   - 4 x   - 13 x   - 13 x  - 22 x  - 25 x  - 29 x  - 25 x

           4       3       2              /         2        2   2         2
     - 19 x  - 14 x  - 10 x  - 5 x - 1)  /  ((x - 1)  (x + 1)  (x  + x + 1)
                                        /

      2         2
    (x  - x + 1) )
```

Sequence: A313589
Score: 3.97796
Type of gen. func.: ogf

```
      10      9      8      7      6      5      4      3      2
     x   + 3 x  + 2 x  + 2 x  + 3 x  + 3 x  + 3 x  + 2 x  + 2 x  + 3 x + 1
     ---------------------------------------------------------------------
              4    3    2            4    3    2                 2
            (x  + x  + x  + x + 1) (x  - x  + x  - x + 1) (x - 1)
```

Sequence: A313591
Score: 3.57614
Type of gen. func.: ogf

```
        2            8      7      6    5    3      2                   2
      (x  - x + 1) (x  + 3 x  + 2 x  + x  + x  + 2 x  + 3 x + 1) (x + 1)
      -------------------------------------------------------------------
          10    9    8    7    6    5    4    3    2                 2
```

$$(x + x + x + x + x + x + x + x + x + x + 1) (x - 1)$$

Sequence: A313591
Score: 4.84984
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1) (x^8 + 3 x^7 + 2 x^6 + x^5 + x^3 + 2 x^2 + 3 x + 1) (x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A313592
Score: 3.47096
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 2 x^{10} + 2 x^9 + 3 x^8 + 3 x^7 + 3 x^6 + 3 x^5 + 3 x^4 + 2 x^3 + 2 x^2 + 3 x + 1) / ((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2)$$

Sequence: A313595
Score: 4.21655
Type of gen. func.: ogf

$$(x^{10} + 4 x^9 + 7 x^8 + 11 x^7 + 13 x^6 + 16 x^5 + 13 x^4 + 11 x^3 + 7 x^2 + 4 x + 1) / ((x^2 + 1) (x^2 - x + 1) (x - 1)^2 (x^2 + x + 1)^2)$$

Sequence: A313604
Score: 4.00093
Type of gen. func.: ogf

$$(x^{14} + 3 x^{13} + 3 x^{12} + 5 x^{11} + 7 x^{10} + 4 x^9 + 12 x^8 + 7 x^7 + 12 x^6 + 4 x^5 + 7 x^4 + 5 x^3 + 3 x^2 + 3 x + 1) / ((x - 1)^2 (x^2 + 1)^2 (x^4 + 1)^2)$$

Sequence: A313610
Score: 4.02379

Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 2 x^8 + 2 x^7 + 4 x^6 + 4 x^4 + 2 x^3 + 2 x^2 + 3 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A313610
Score: 4.14214
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 2 x^8 + 2 x^7 + 4 x^6 + 4 x^4 + 2 x^3 + 2 x^2 + 3 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A313611
Score: 4.24195
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 5 x^8 + 3 x^7 + 2 x^6 - x^5 + 2 x^4 + 3 x^3 + 5 x^2 + 4 x + 1}{(x^2 + 1) (x^2 + x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A313611
Score: 4.42870
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 5 x^8 + 3 x^7 + 2 x^6 - x^5 + 2 x^4 + 3 x^3 + 5 x^2 + 4 x + 1}{(x^2 + 1) (x^2 + x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A313613
Score: 4.99407
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 5 x^6 + 4 x^5 + 6 x^4 + 4 x^3 + 5 x^2 + 4 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A313613
Score: 6.46022
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 5 x^6 + 4 x^5 + 6 x^4 + 4 x^3 + 5 x^2 + 4 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A313614
Score: 4.69443
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 5 x^8 + 4 x^7 + 6 x^6 + 4 x^5 + 6 x^4 + 4 x^3 + 5 x^2 + 4 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A313614
Score: 5.54460
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 5 x^8 + 4 x^7 + 6 x^6 + 4 x^5 + 6 x^4 + 4 x^3 + 5 x^2 + 4 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A313615
Score: 3.36921
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 5 x^{10} + 4 x^9 + 6 x^8 + 4 x^7 + 6 x^6 + 4 x^5 + 6 x^4 + 4 x^3 + 5 x^2 + 4 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A313615
Score: 4.82304
Type of gen. func.: ogf

```
  12      11      10      9      8      7      6      5      4      3      2
(x   + 4 x   + 5 x   + 4 x  + 6 x  + 4 x  + 6 x  + 4 x  + 6 x  + 4 x  + 5 x

                  /    10    9    8    7    6    5    4    3    2
     + 4 x + 1)  /  ((x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1)
                /

           2
    (x - 1) )
```

Sequence: A313616
Score: 4.29368
Type of gen. func.: ogf

```
  14      13      12      11      10      9      8      7      6      5      4
(x   + 4 x   + 5 x   + 4 x   + 6 x   + 4 x  + 6 x  + 4 x  + 6 x  + 4 x  + 6 x

          3      2              /
     + 4 x  + 5 x  + 4 x + 1)  /  (
                              /

      12    11    10    9    8    7    6    5    4    3    2                 2
    (x   + x   + x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x - 1) )
```

Sequence: A313619
Score: 3.45178
Type of gen. func.: ogf

```
  12      11      10      9      8    7      6    5      4      3      2
(x   + 3 x   + 2 x   + 2 x  + 4 x  + x  + 3 x  + x  + 4 x  + 2 x  + 2 x  + 3 x

            /    2        2            2            4    2             2
     + 1)  /  ((x  + 1) (x  + x + 1) (x  - x + 1) (x  - x  + 1) (x - 1) )
          /
```

Sequence: A313620
Score: 3.68672
Type of gen. func.: ogf

```
         2        10      9      8      6      5      4      2
       (x  + 1) (x   + 4 x  + 4 x  + 2 x  + 5 x  + 2 x  + 4 x  + 4 x + 1)
       ------------------------------------------------------------------
           10    9    8    7    6    5    4    3    2                 2
         (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x - 1)
```

Sequence: A313620
Score: 4.82304
Type of gen. func.: ogf

```
         2        10      9      8      6      5      4      2
       (x  + 1) (x   + 4 x  + 4 x  + 2 x  + 5 x  + 2 x  + 4 x  + 4 x + 1)
```

$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2$$

Sequence: A313621
Score: 3.42066
Type of gen. func.: ogf

$$-(x^{20} - x^{19} + x^{18} - x^{14} - 4x^{13} - 3x^{12} - 6x^{11} - 7x^{10} - 7x^9 - 10x^8 - 9x^7 - 10x^6 - 6x^5 - 7x^4 - 5x^3 - 3x^2 - 3x - 1) \Big/ \left((x - 1)^2\,(x^2 + 1)^2\,(x^4 + 1)^2\right)$$

Sequence: A313622
Score: 5.48896
Type of gen. func.: ogf

$$\frac{x^8 + 3x^7 + x^6 - x^5 + 2x^4 - x^3 + x^2 + 3x + 1}{(x^2 + 1)\,(x^4 - x^2 + 1)\,(x - 1)^2}$$

Sequence: A313622
Score: 5.66461
Type of gen. func.: ogf

$$\frac{x^8 + 3x^7 + x^6 - x^5 + 2x^4 - x^3 + x^2 + 3x + 1}{(x^2 + 1)\,(x^4 - x^2 + 1)\,(x - 1)^2}$$

Sequence: A313623
Score: 3.97796
Type of gen. func.: ogf

$$\frac{x^{10} + 3x^9 + 2x^8 + 2x^7 + 4x^6 + x^5 + 4x^4 + 2x^3 + 2x^2 + 3x + 1}{(x^4 + x^3 + x^2 + x + 1)\,(x^4 - x^3 + x^2 - x + 1)\,(x - 1)^2}$$

Sequence: A313635
Score: 4.75219
Type of gen. func.: ogf

$$\frac{(x^6+x^5-x^4+3x^3-x^2+x+1)(x+1)^2}{(x^4+1)(x^2+1)(x-1)^2}$$

Sequence: A313635
Score: 6.05193
Type of gen. func.: ogf

$$\frac{(x^6+x^5-x^4+3x^3-x^2+x+1)(x+1)^2}{(x^4+1)(x^2+1)(x-1)^2}$$

Sequence: A313639
Score: 3.80686
Type of gen. func.: ogf

$$\frac{(x^2+1)(x^8+2x^7-x^6+3x^4-x^2+2x+1)(x+1)^2}{(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A313639
Score: 4.84984
Type of gen. func.: ogf

$$\frac{(x^2+1)(x^8+2x^7-x^6+3x^4-x^2+2x+1)(x+1)^2}{(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A313641
Score: 3.67004
Type of gen. func.: ogf

$$-(x^{13}-2x^8-x^7-3x^6-3x^5-2x^4-x^3-3x^2-3x-1)$$

$$(x^4+2x^3+2x+1) \;/\; ((x+1)(x^4+x^3+x^2+x+1)(x^4+1)(x-1)^2$$

/

)

Sequence: A313645
Score: 4.02316
Type of gen. func.: ogf

$$(x^{14} + 3 x^{13} + 3 x^{12} + 5 x^{11} + 7 x^{10} + 7 x^{9} + 10 x^{8} + 9 x^{7} + 10 x^{6} + 7 x^{5} + 7 x^{4} + 5 x^{3} + 3 x^{2} + 3 x + 1) \Big/ ((x - 1)^{2} (x^{2} + 1)^{2} (x^{4} + 1)^{2})$$

Sequence: A313646
Score: 4.26552
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + 5 x^{8} + 3 x^{7} + 2 x^{6} + x^{5} + 2 x^{4} + 3 x^{3} + 5 x^{2} + 4 x + 1}{(x^{2} + 1) (x^{2} + x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A313646
Score: 4.45331
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + 5 x^{8} + 3 x^{7} + 2 x^{6} + x^{5} + 2 x^{4} + 3 x^{3} + 5 x^{2} + 4 x + 1}{(x^{2} + 1) (x^{2} + x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A313652
Score: 3.82789
Type of gen. func.: ogf

$$- (x^{2} - x + 1) (x^{10} - 2 x^{9} + 2 x^{8} - 3 x^{7} - x^{6} - 2 x^{4} - 2 x^{3} - 2 x - 1) (x + 1)^{3} \Big/ ((x^{4} + x^{3} + x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2})$$

Sequence: A313660

Score: 4.75219
Type of gen. func.: ogf

$$(x^{10} + 5 x^9 + 10 x^8 + 14 x^7 + 21 x^6 + 24 x^5 + 21 x^4 + 14 x^3 + 10 x^2 + 5 x + 1) / ((x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A313660
Score: 5.44674
Type of gen. func.: ogf

$$(x^{10} + 5 x^9 + 10 x^8 + 14 x^7 + 21 x^6 + 24 x^5 + 21 x^4 + 14 x^3 + 10 x^2 + 5 x + 1) / ((x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A313662
Score: 4.04615
Type of gen. func.: ogf

$$\frac{(x^3 + x^2 + 1) (x^3 + x + 1) (x^4 + 2 x^3 + x^2 + 2 x + 1) (x + 1)^2}{(x^2 + 1) (x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2}$$

Sequence: A313662
Score: 4.29137
Type of gen. func.: ogf

$$\frac{(x^3 + x^2 + 1) (x^3 + x + 1) (x^4 + 2 x^3 + x^2 + 2 x + 1) (x + 1)^2}{(x^2 + 1) (x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2}$$

Sequence: A313665
Score: 3.99993
Type of gen. func.: ogf

$$(x^{14} + 5 x^{13} + 10 x^{12} + 14 x^{11} + 22 x^{10} + 27 x^9 + 29 x^8 + 24 x^7 + 29 x^6 + 27 x^5 + 22 x^4 + 14 x^3 + 10 x^2 + 5 x + 1) / ((x^2 + x + 1)$$

$$/ \ (x^{4} + x^{3} + x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2})$$

Sequence: A313680
Score: 6.1623
Type of gen. func.: ogf

$$\frac{x^{8} + 3 x^{7} + x^{6} - x^{4} + x^{2} + 3 x + 1}{(x^{2} + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A313680
Score: 6.38844
Type of gen. func.: ogf

$$\frac{x^{8} + 3 x^{7} + x^{6} - x^{4} + x^{2} + 3 x + 1}{(x^{2} + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A313681
Score: 3.35049
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 5 x^{10} + 5 x^{9} + 4 x^{8} + 4 x^{7} + 4 x^{6} + 4 x^{5} + 4 x^{4} + 5 x^{3} + 5 x^{2} + 4 x + 1) \Big/ ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A313681
Score: 4.79625
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 5 x^{10} + 5 x^{9} + 4 x^{8} + 4 x^{7} + 4 x^{6} + 4 x^{5} + 4 x^{4} + 5 x^{3} + 5 x^{2} + 4 x + 1) \Big/ ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)$$

^{2}

$(x - 1))$

Sequence: A313682
Score: 3.934
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^{9} + 2 x^{8} + 3 x^{7} + x^{6} + 3 x^{5} + x^{4} + 3 x^{3} + 2 x^{2} + 3 x + 1}{(x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A313683
Score: 4.69968
Type of gen. func.: ogf

$$\frac{x^{8} + 3 x^{7} + x^{6} + x^{5} + 2 x^{4} + x^{3} + x^{2} + 3 x + 1}{(x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A313683
Score: 6.19692
Type of gen. func.: ogf

$$\frac{x^{8} + 3 x^{7} + x^{6} + x^{5} + 2 x^{4} + x^{3} + x^{2} + 3 x + 1}{(x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A313684
Score: 3.43261
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 2 x^{10} + 3 x^{9} + x^{8} + 3 x^{7} + 2 x^{6} + 3 x^{5} + x^{4} + 3 x^{3} + 2 x^{2} + 3 x + 1) \Big/ ((x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2})$$

Sequence: A313685
Score: 4.69968
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + 2 x^6 + 3 x^5 + x^4 + 3 x^3 + 2 x^2 + 3 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A313685
Score: 5.78721
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + 2 x^6 + 3 x^5 + x^4 + 3 x^3 + 2 x^2 + 3 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A313687
Score: 4.72593
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + 3 x^6 + 6 x^5 + 3 x^4 + 6 x^3 + 3 x^2 + 3 x + 1}{(x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A313687
Score: 4.8563
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + 3 x^6 + 6 x^5 + 3 x^4 + 6 x^3 + 3 x^2 + 3 x + 1}{(x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A313688
Score: 5.98506
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 4 x^6 - 4 x^4 + 4 x^2 + 4 x + 1}{(x^2 + x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A313689
Score: 3.35049
Type of gen. func.: ogf

$$\frac{x^{12} + 4 x^{11} + 5 x^{10} + 5 x^{9} + 4 x^{8} + 5 x^{7} + 4 x^{6} + 5 x^{5} + 4 x^{4} + 5 x^{3} + 5 x^{2} + 4 x + 1}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A313689
Score: 4.79625
Type of gen. func.: ogf

$$\frac{x^{12} + 4 x^{11} + 5 x^{10} + 5 x^{9} + 4 x^{8} + 5 x^{7} + 4 x^{6} + 5 x^{5} + 4 x^{4} + 5 x^{3} + 5 x^{2} + 4 x + 1}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A313692
Score: 4.07031
Type of gen. func.: ogf

$$\frac{(x^{2} + x + 1) (x^{8} + 2 x^{7} - x^{6} + 2 x^{5} + 2 x^{3} - x^{2} + 2 x + 1)}{(x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A313693
Score: 3.45178
Type of gen. func.: ogf

$$\frac{x^{12} + 3 x^{11} + 2 x^{10} + 3 x^{9} + x^{8} + 4 x^{7} + x^{6} + 4 x^{5} + x^{4} + 3 x^{3} + 2 x^{2} + 3 x + 1}{(x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A313694
Score: 4.99407

Type of gen. func.: ogf

$$\frac{x^8 + 4x^7 + 5x^6 + 5x^5 + 4x^4 + 5x^3 + 5x^2 + 4x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A313694
Score: 6.46022
Type of gen. func.: ogf

$$\frac{x^8 + 4x^7 + 5x^6 + 5x^5 + 4x^4 + 5x^3 + 5x^2 + 4x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A313696
Score: 3.33727
Type of gen. func.: ogf

$$(x^2 + x + 1)(x^{10} + 3x^9 + x^8 + x^7 + 2x^6 + 2x^5 + 2x^4 + x^3 + x^2 + 3x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2)$$

Sequence: A313696
Score: 4.82304
Type of gen. func.: ogf

$$(x^2 + x + 1)(x^{10} + 3x^9 + x^8 + x^7 + 2x^6 + 2x^5 + 2x^4 + x^3 + x^2 + 3x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2)$$

Sequence: A313697
Score: 3.57614
Type of gen. func.: ogf

$$-(x^{17} + 2x^{14} - x^{13} - x^{12} + x^{11} - 3x^{10} - 7x^9 - 10x^8 - 16x^7 - 20x^6 - 22x^5 - 19x^4 - 15x^3 - 10x^2 - 5x - 1) \Big/ ((x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A313697
Score: 4.04615
Type of gen. func.: ogf

$$-\left(x^{17}+2x^{14}-x^{13}-x^{12}+x^{11}-3x^{10}-7x^{9}-10x^{8}-16x^{7}-20x^{6}-22x^{5}-19x^{4}-15x^{3}-10x^{2}-5x-1\right)\Big/\left((x-1)^{2}(x^{4}+x^{3}+x^{2}+x+1)^{2}\right)$$

Sequence: A313698
Score: 4.45331
Type of gen. func.: ogf

$$\frac{x^{10}+2x^{9}-x^{8}+2x^{7}+2x^{5}+2x^{3}-x^{2}+2x+1}{(x^{2}+1)(x^{2}-x+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A313698
Score: 4.72051
Type of gen. func.: ogf

$$\frac{x^{10}+2x^{9}-x^{8}+2x^{7}+2x^{5}+2x^{3}-x^{2}+2x+1}{(x^{2}+1)(x^{2}-x+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A313702
Score: 4.69443
Type of gen. func.: ogf

$$\frac{x^{10}+4x^{9}+5x^{8}+4x^{7}+x^{5}+4x^{3}+5x^{2}+4x+1}{(x^{2}+1)(x^{2}+x+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A313702
Score: 4.92422
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 5 x^8 + 4 x^7 + x^5 + 4 x^3 + 5 x^2 + 4 x + 1}{(x^2 + 1) (x^2 + x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A313703
Score: 4.69443
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 5 x^8 + 5 x^7 + 4 x^6 + 6 x^5 + 4 x^4 + 5 x^3 + 5 x^2 + 4 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A313703
Score: 5.54460
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 5 x^8 + 5 x^7 + 4 x^6 + 6 x^5 + 4 x^4 + 5 x^3 + 5 x^2 + 4 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A313704
Score: 3.36921
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 5 x^{10} + 5 x^9 + 4 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 4 x^4 + 5 x^3 + 5 x^2 + 4 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A313704
Score: 4.82304
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 5 x^{10} + 5 x^9 + 4 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 4 x^4 + 5 x^3 + 5 x^2 + 4 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)$$

```
           2
    (x - 1) )



------------------------------------------------------------------------------

Sequence:  A313705
Score: 4.75219
Type of gen. func.: ogf


  10      9       8       7       6       5       4       3       2
(x   + 5 x  + 10 x  + 15 x  + 19 x  + 23 x  + 19 x  + 15 x  + 10 x  + 5 x + 1)

       /         2   4    3    2         2
      /  ((x - 1)  (x  + x  + x  + x + 1) )
     /



------------------------------------------------------------------------------

Sequence:  A313705
Score: 5.44674
Type of gen. func.: ogf


  10      9       8       7       6       5       4       3       2
(x   + 5 x  + 10 x  + 15 x  + 19 x  + 23 x  + 19 x  + 15 x  + 10 x  + 5 x + 1)

       /         2   4    3    2         2
      /  ((x - 1)  (x  + x  + x  + x + 1) )
     /



------------------------------------------------------------------------------

Sequence:  A313707
Score: 5.13099
Type of gen. func.: ogf


                      10      9    8      5    2
                     x   + 3 x  + x  + 5 x  + x  + 3 x + 1
                ------------------------------------------------
                  2            2            4    2             2
                (x  + x + 1) (x  - x + 1) (x  - x  + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A313707
Score: 5.24501
Type of gen. func.: ogf


                      10      9    8      5    2
                     x   + 3 x  + x  + 5 x  + x  + 3 x + 1
                ------------------------------------------------
                  2            2            4    2             2
                (x  + x + 1) (x  - x + 1) (x  - x  + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A313709
Score: 4.04615
```

Type of gen. func.: ogf

$$-\frac{(x^2+x+1)\left(x^{12}-x^{11}+2x^9-4x^8-4x^7-3x^6-9x^5-8x^4-6x^3-5x^2-4x-1\right)}{(x-1)^2\left(x^4+x^3+x^2+x+1\right)^2}$$

Sequence: A313709
Score: 4.78430
Type of gen. func.: ogf

$$-\frac{(x^2+x+1)\left(x^{12}-x^{11}+2x^9-4x^8-4x^7-3x^6-9x^5-8x^4-6x^3-5x^2-4x-1\right)}{(x-1)^2\left(x^4+x^3+x^2+x+1\right)^2}$$

Sequence: A313711
Score: 3.38792
Type of gen. func.: ogf

$$\frac{x^{12}+4x^{11}+5x^{10}+5x^9+4x^8+6x^7+6x^6+6x^5+4x^4+5x^3+5x^2+4x+1}{\left(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1\right)(x-1)^2}$$

Sequence: A313711
Score: 4.84984
Type of gen. func.: ogf

$$\frac{x^{12}+4x^{11}+5x^{10}+5x^9+4x^8+6x^7+6x^6+6x^5+4x^4+5x^3+5x^2+4x+1}{\left(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1\right)(x-1)^2}$$

Sequence: A313712
Score: 4.79023
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^{9} + 3 x^{8} + 6 x^{7} + 4 x^{6} + 11 x^{5} + 4 x^{4} + 6 x^{3} + 3 x^{2} + 3 x + 1}{(x - 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2}}$$

Sequence: A313717
Score: 4.54709
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^{9} + x^{8} + x^{6} + 2 x^{5} + x^{4} + x^{2} + 3 x + 1}{(x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A313717
Score: 4.63743
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^{9} + x^{8} + x^{6} + 2 x^{5} + x^{4} + x^{2} + 3 x + 1}{(x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A313718
Score: 3.74466
Type of gen. func.: ogf

$$\frac{(x^{10} + 2 x^{9} + 3 x^{7} - x^{6} + 3 x^{5} - x^{4} + 3 x^{3} + 2 x + 1) (x + 1)^{2}}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A313718
Score: 4.79625
Type of gen. func.: ogf

$$(x^{10} + 2 x^{9} + 3 x^{7} - x^{6} + 3 x^{5} - x^{4} + 3 x^{3} + 2 x + 1) (x + 1)^{2}$$

$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2$$

Sequence: A313719
Score: 3.95598
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 2 x^8 + 3 x^7 + 2 x^6 + 2 x^5 + 2 x^4 + 3 x^3 + 2 x^2 + 3 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A313720
Score: 4.24195
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 5 x^8 + 4 x^7 + x^6 - x^5 + x^4 + 4 x^3 + 5 x^2 + 4 x + 1}{(x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A313720
Score: 4.42870
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 5 x^8 + 4 x^7 + x^6 - x^5 + x^4 + 4 x^3 + 5 x^2 + 4 x + 1}{(x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A313721
Score: 5.45864
Type of gen. func.: ogf

$$\frac{(x^8 + 2 x^7 + 3 x^5 - x^4 + 3 x^3 + 2 x + 1) (x + 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A313721
Score: 5.54460
Type of gen. func.: ogf

$$\frac{(x^8 + 2 x^7 + 3 x^5 - x^4 + 3 x^3 + 2 x + 1) (x + 1)^2}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A313722
Score: 3.46879
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^{10} + 3 x^9 + x^8 + x^7 + 3 x^6 + 3 x^4 + x^3 + x^2 + 3 x + 1)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A313722
Score: 4.82304
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^{10} + 3 x^9 + x^8 + x^7 + 3 x^6 + 3 x^4 + x^3 + x^2 + 3 x + 1)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A313724
Score: 3.35581
Type of gen. func.: ogf

$$- (x^{15} - x^{14} + x^{13} - 2 x^{12} + 2 x^{11} - 3 x^{10} - x^9 - 5 x^8 - 4 x^7 - 3 x^6 - 5 x^5 - 2 x^4 - 5 x^3 - 3 x^2 - 3 x - 1) (x + 1)^2 / ((x^6 + x^3 + 1) (x - 1)^2 (x^2 + x + 1)^2)$$

Sequence: A313726
Score: 3.47096
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 2 x^{10} + 3 x^9 + 2 x^8 + 2 x^7 + 4 x^6 + 2 x^5 + 2 x^4 + 3 x^3 + 2 x^2 + 3 x + 1) / ((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2)$$

Sequence: A313729
Score: 3.45178
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 2 x^{10} + 3 x^9 + 2 x^8 + 3 x^7 + x^6 + 3 x^5 + 2 x^4 + 3 x^3 + 2 x^2 + 3 x + 1) / ((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2)$$

Sequence: A313730
Score: 3.36921
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 5 x^{10} + 5 x^9 + 5 x^8 + 5 x^7 + 4 x^6 + 5 x^5 + 5 x^4 + 5 x^3 + 5 x^2 + 4 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A313730
Score: 4.82304
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 5 x^{10} + 5 x^9 + 5 x^8 + 5 x^7 + 4 x^6 + 5 x^5 + 5 x^4 + 5 x^3 + 5 x^2 + 4 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A313732
Score: 3.86927
Type of gen. func.: ogf

$$- (x^2 + 1) (x^{14} - x^{12} + x^{10} - x^9 - 3 x^8 - 3 x^7 - 8 x^6 - 13 x^5 - 11 x^4 - 10 x^3 - 9 x^2 - 5 x - 1) / ((x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A313732
Score: 4.78430
Type of gen. func.: ogf

$$-(x^2+1)(x^{14}-x^{12}+x^{10}-x^9-3x^8-3x^7-8x^6-13x^5-11x^4-10x^3-9x^2-5x-1) \Big/ ((x-1)^2 (x^4+x^3+x^2+x+1)^2)$$

Sequence: A313735
Score: 4.59347
Type of gen. func.: ogf

$$\frac{x^{14}+3x^{13}+x^{12}+x^8+4x^7+x^6+x^2+3x+1}{(x^6+x^3+1)(x^6-x^3+1)(x-1)^2}$$

Sequence: A313735
Score: 5.08563
Type of gen. func.: ogf

$$\frac{x^{14}+3x^{13}+x^{12}+x^8+4x^7+x^6+x^2+3x+1}{(x^6+x^3+1)(x^6-x^3+1)(x-1)^2}$$

Sequence: A313737
Score: 3.97796
Type of gen. func.: ogf

$$(x^{14}+5x^{13}+10x^{12}+15x^{11}+20x^{10}+24x^9+26x^8+25x^7+26x^6+24x^5+20x^4+15x^3+10x^2+5x+1) \Big/ ((x^2+x+1)(x^4+x^3+x^2+x+1)(x^6+x^3+1)(x-1)^2)$$

Sequence: A313738
Score: 3.7865

Type of gen. func.: ogf

$$\frac{(x^{10}+2x^{9}+3x^{7}-x^{6}+4x^{5}-x^{4}+3x^{3}+2x+1)(x+1)^{2}}{(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A313738
Score: 4.84984
Type of gen. func.: ogf

$$\frac{(x^{10}+2x^{9}+3x^{7}-x^{6}+4x^{5}-x^{4}+3x^{3}+2x+1)(x+1)^{2}}{(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A313739
Score: 3.47096
Type of gen. func.: ogf

$$(x^{12}+3x^{11}+2x^{10}+3x^{9}+2x^{8}+3x^{7}+3x^{6}+3x^{5}+2x^{4}+3x^{3}+2x^{2}+3x+1) \Big/ ((x^{2}+1)(x^{2}+x+1)(x^{2}-x+1)(x^{4}-x^{2}+1)(x-1)^{2})$$

Sequence: A313740
Score: 3.74731
Type of gen. func.: ogf

$$(x^{10}+x^{9}-2x^{8}+3x^{7}-4x^{6}+6x^{5}-4x^{4}+3x^{3}-2x^{2}+x+1)(x+1)^{2} \Big/ ((x^{2}+x+1)(x^{8}-x^{7}+x^{5}-x^{4}+x^{3}-x+1)(x-1)^{2})$$

Sequence: A313740
Score: 4.59347
Type of gen. func.: ogf

$$(x^{10}+x^{9}-2x^{8}+3x^{7}-4x^{6}+6x^{5}-4x^{4}+3x^{3}-2x^{2}+x+1)(x+1)^{2} \Big/ ((x^{2}+x+1)(x^{8}-x^{7}+x^{5}-x^{4}+x^{3}-x+1)(x-1)^{2})$$

Sequence: A313744
Score: 3.61263
Type of gen. func.: ogf

$$\left(x^{12}+3x^{11}+2x^{10}+3x^{9}+2x^{8}+4x^{7}+4x^{5}+2x^{4}+3x^{3}+2x^{2}+3x+1\right) \Big/ \left((x^{2}+1)(x^{2}+x+1)(x^{2}-x+1)(x^{4}-x^{2}+1)(x-1)^{2}\right)$$

Sequence: A313745
Score: 3.38792
Type of gen. func.: ogf

$$\left(x^{12}+4x^{11}+5x^{10}+5x^{9}+5x^{8}+6x^{7}+4x^{6}+6x^{5}+5x^{4}+5x^{3}+5x^{2}+4x+1\right) \Big/ \left((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}\right)$$

Sequence: A313745
Score: 4.84984
Type of gen. func.: ogf

$$\left(x^{12}+4x^{11}+5x^{10}+5x^{9}+5x^{8}+6x^{7}+4x^{6}+6x^{5}+5x^{4}+5x^{3}+5x^{2}+4x+1\right) \Big/ \left((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}\right)$$

Sequence: A313746
Score: 4.72051
Type of gen. func.: ogf

$$\frac{x^{10}+4x^{9}+5x^{8}+5x^{7}+5x^{6}+6x^{5}+5x^{4}+5x^{3}+5x^{2}+4x+1}{(x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2}}$$

Sequence: A313746
Score: 5.57540
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + 5 x^{8} + 5 x^{7} + 5 x^{6} + 6 x^{5} + 5 x^{4} + 5 x^{3} + 5 x^{2} + 4 x + 1}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A313747
Score: 4.26552
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + 5 x^{8} + 4 x^{7} + x^{6} + x^{5} + x^{4} + 4 x^{3} + 5 x^{2} + 4 x + 1}{(x^{2} + 1) (x^{2} + x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A313747
Score: 4.45331
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + 5 x^{8} + 4 x^{7} + x^{6} + x^{5} + x^{4} + 4 x^{3} + 5 x^{2} + 4 x + 1}{(x^{2} + 1) (x^{2} + x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A313748
Score: 5.08563
Type of gen. func.: ogf

$$- \frac{x^{14} - x^{13} + x^{10} - x^{9} + x^{8} - x^{7} - x^{5} - x^{4} - 4 x^{3} - 5 x^{2} - 4 x - 1}{(x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A313748
Score: 5.23521
Type of gen. func.: ogf

$$- \frac{x^{14} - x^{13} + x^{10} - x^{9} + x^{8} - x^{7} - x^{5} - x^{4} - 4 x^{3} - 5 x^{2} - 4 x - 1}{}$$

$$(x^2 + x + 1) (x - 1)^2$$

Sequence: A313750
Score: 5.36421
Type of gen. func.: ogf

$$- \frac{x^{12} - x^{10} + x^9 - 3 x^6 - 6 x^5 - 9 x^4 - 10 x^3 - 9 x^2 - 5 x - 1}{(x^2 + 1) (x + 1)^2 (x - 1)^2}$$

Sequence: A313750
Score: 5.71029
Type of gen. func.: ogf

$$- \frac{x^{12} - x^{10} + x^9 - 3 x^6 - 6 x^5 - 9 x^4 - 10 x^3 - 9 x^2 - 5 x - 1}{(x^2 + 1) (x + 1)^2 (x - 1)^2}$$

Sequence: A313752
Score: 3.97796
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 2 x^8 + 3 x^7 + 2 x^6 + 4 x^5 + 2 x^4 + 3 x^3 + 2 x^2 + 3 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A313753
Score: 3.40664
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 5 x^{10} + 5 x^9 + 5 x^8 + 6 x^7 + 6 x^6 + 6 x^5 + 5 x^4 + 5 x^3 + 5 x^2 + 4 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A313753
Score: 4.87663
Type of gen. func.: ogf

$$\frac{x^{12}+4x^{11}+5x^{10}+5x^{9}+5x^{8}+6x^{7}+6x^{6}+6x^{5}+5x^{4}+5x^{3}+5x^{2}+4x+1}{(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A313754
Score: 4.6233
Type of gen. func.: ogf

$$\frac{x^{10}+3x^{9}+x^{8}+x^{6}+4x^{5}+x^{4}+x^{2}+3x+1}{(x^{2}+x+1)(x^{2}-x+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A313754
Score: 4.71515
Type of gen. func.: ogf

$$\frac{x^{10}+3x^{9}+x^{8}+x^{6}+4x^{5}+x^{4}+x^{2}+3x+1}{(x^{2}+x+1)(x^{2}-x+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A313755
Score: 3.52469
Type of gen. func.: ogf

$$-\frac{(x^{11}-x^{9}-2x^{8}-3x^{7}-x^{6}-3x^{5}-2x^{4}-3x^{3}-2x^{2}-3x-1)(x^{2}-x+1)(x+1)^{2}}{(x^{4}+x^{3}+x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2}}$$

Sequence: A313762
Score: 3.33998
Type of gen. func.: ogf

2   14   12   11   10   9   8   7   6

```
- (x  + x + 1) (x   - 3 x   - 2 x   - 6 x   - 7 x  - 8 x  - 10 x  - 16 x

          5       4      3      2              /         2
     - 7 x  - 10 x  - 6 x  - 5 x  - 4 x - 1)  /  ((x - 1)
                                             /

      6    5    4    3    2         2
    (x  + x  + x  + x  + x  + x + 1) )
```

Sequence: A313764
Score: 4.26552
Type of gen. func.: ogf

```
  10      9       8       7       6       5       4       3       2
(x   + 6 x  + 15 x  + 24 x  + 30 x  + 30 x  + 30 x  + 24 x  + 15 x  + 6 x + 1)

       /    2            2         2        2        2
      /  ((x  - x + 1) (x  + x + 1)  (x + 1)  (x - 1) )
     /
```

Sequence: A313764
Score: 4.29137
Type of gen. func.: ogf

```
  10      9       8       7       6       5       4       3       2
(x   + 6 x  + 15 x  + 24 x  + 30 x  + 30 x  + 30 x  + 24 x  + 15 x  + 6 x + 1)

       /    2            2         2        2        2
      /  ((x  - x + 1) (x  + x + 1)  (x + 1)  (x - 1) )
     /
```

Sequence: A313768
Score: 3.40176
Type of gen. func.: ogf

```
  2        10      9      8    7      6      5      4    3      2
(x  + 1) (x   + 4 x  + 4 x  + x  + 2 x  + 3 x  + 2 x  + x  + 4 x  + 4 x + 1)

       /    10   9    8    7    6    5    4    3    2                 2
      /  ((x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x - 1) )
     /
```

Sequence: A313768
Score: 4.82304
Type of gen. func.: ogf

```
  2        10      9      8    7      6      5      4    3      2
(x  + 1) (x   + 4 x  + 4 x  + x  + 2 x  + 3 x  + 2 x  + x  + 4 x  + 4 x + 1)

       /    10   9    8    7    6    5    4    3    2                 2
      /  ((x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x - 1) )
```

/

Sequence: A313769
Score: 4.57249
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + x^8 + 2 x^6 + x^5 + 2 x^4 + x^2 + 3 x + 1}{(x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A313769
Score: 4.66334
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + x^8 + 2 x^6 + x^5 + 2 x^4 + x^2 + 3 x + 1}{(x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A313770
Score: 4.09293
Type of gen. func.: ogf

$$\frac{(x^4 + 2 x^3 + x^2 + 2 x + 1) (x^6 + 4 x^5 + 6 x^4 + 7 x^3 + 6 x^2 + 4 x + 1)}{(x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x + 1)^2 (x - 1)^2}$$

Sequence: A313770
Score: 4.48149
Type of gen. func.: ogf

$$\frac{(x^4 + 2 x^3 + x^2 + 2 x + 1) (x^6 + 4 x^5 + 6 x^4 + 7 x^3 + 6 x^2 + 4 x + 1)}{(x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x + 1)^2 (x - 1)^2}$$

Sequence: A313772
Score: 3.38792
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 5 x^{10} + 5 x^9 + 6 x^8 + 4 x^7 + 6 x^6 + 4 x^5 + 6 x^4 + 5 x^3 + 5 x^2 + 4 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A313772
Score: 4.84984
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 5 x^{10} + 5 x^9 + 6 x^8 + 4 x^7 + 6 x^6 + 4 x^5 + 6 x^4 + 5 x^3 + 5 x^2 + 4 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A313773
Score: 4.72051
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 5 x^8 + 5 x^7 + 6 x^6 + 4 x^5 + 6 x^4 + 5 x^3 + 5 x^2 + 4 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A313773
Score: 5.57540
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 5 x^8 + 5 x^7 + 6 x^6 + 4 x^5 + 6 x^4 + 5 x^3 + 5 x^2 + 4 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A313774
Score: 4.26552
Type of gen. func.: ogf

$$x^{10} + 4 x^9 + 5 x^8 + 4 x^7 + 2 x^6 - x^5 + 2 x^4 + 4 x^3 + 5 x^2 + 4 x + 1$$

$$(x^2 + 1)\,(x^2 + x + 1)\,(x^4 - x^2 + 1)\,(x - 1)^2$$

Sequence: A313774
Score: 4.45331
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 5 x^8 + 4 x^7 + 2 x^6 - x^5 + 2 x^4 + 4 x^3 + 5 x^2 + 4 x + 1}{(x^2 + 1)\,(x^2 + x + 1)\,(x^4 - x^2 + 1)\,(x - 1)^2}$$

Sequence: A313775
Score: 4.77844
Type of gen. func.: ogf

$$-\frac{x^{13} - x^{12} + x^{11} - x^{10} + x^9 - x^8 - x^6 + x^5 - 2 x^4 - 4 x^3 - 5 x^2 - 4 x - 1}{(x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A313775
Score: 4.91026
Type of gen. func.: ogf

$$-\frac{x^{13} - x^{12} + x^{11} - x^{10} + x^9 - x^8 - x^6 + x^5 - 2 x^4 - 4 x^3 - 5 x^2 - 4 x - 1}{(x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A313777
Score: 3.72672
Type of gen. func.: ogf

$$-(x^{18} - x^{12} - 6 x^{11} - 11 x^{10} - 16 x^9 - 20 x^8 - 21 x^7 - 19 x^6 - 21 x^5 - 20 x^4 - 15 x^3 - 10 x^2 - 5 x - 1) \Big/ ((x^4 + 1)\,(x - 1)^2\,(x + 1)^2\,(x^2 + 1)^2)$$

Sequence: A313777
Score: 4.23998
Type of gen. func.: ogf

$$-(x^{18}-x^{12}-6x^{11}-11x^{10}-16x^{9}-20x^{8}-21x^{7}-19x^{6}-21x^{5}-20x^{4}-15x^{3}-10x^{2}-5x-1)\Big/\left((x^{4}+1)(x-1)^{2}(x+1)^{2}(x^{2}+1)^{2}\right)$$

Sequence: A313778
Score: 4.02379
Type of gen. func.: ogf

$$\frac{x^{10}+2x^{9}-x^{8}+2x^{7}+2x^{6}-2x^{5}+2x^{4}+2x^{3}-x^{2}+2x+1}{(x^{2}+1)(x^{2}-x+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A313778
Score: 4.24195
Type of gen. func.: ogf

$$\frac{x^{10}+2x^{9}-x^{8}+2x^{7}+2x^{6}-2x^{5}+2x^{4}+2x^{3}-x^{2}+2x+1}{(x^{2}+1)(x^{2}-x+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A313779
Score: 3.50533
Type of gen. func.: ogf

$$\frac{(x^{2}+1)(x^{8}+2x^{7}-x^{6}+x^{5}+x^{4}+x^{3}-x^{2}+2x+1)(x+1)^{2}}{(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A313779
Score: 4.84984
Type of gen. func.: ogf

$$\frac{(x^{2}+1)(x^{8}+2x^{7}-x^{6}+x^{5}+x^{4}+x^{3}-x^{2}+2x+1)(x+1)^{2}}{(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A313780
Score: 5.85187
Type of gen. func.: ogf

$$\frac{(x^6 + 2 x^5 + 3 x^3 + 2 x + 1) (x + 1)^2}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A313780
Score: 6.49611
Type of gen. func.: ogf

$$\frac{(x^6 + 2 x^5 + 3 x^3 + 2 x + 1) (x + 1)^2}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A313781
Score: 3.47096
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 2 x^{10} + 3 x^9 + 3 x^8 + 2 x^7 + 3 x^6 + 2 x^5 + 3 x^4 + 3 x^3 + 2 x^2 + 3 x + 1) \Big/ ((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2)$$

Sequence: A313782
Score: 3.97796
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 2 x^8 + 3 x^7 + 3 x^6 + 2 x^5 + 3 x^4 + 3 x^3 + 2 x^2 + 3 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A313786
Score: 7.95591
Type of gen. func.: ogf

$$- \frac{x^7 - x^5 - 2 x^4 - 5 x^3 - 8 x^2 - 5 x - 1}{}$$

$$(x + 1)^2 (x - 1)^2$$

Sequence: A313788
Score: 3.40664
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 5 x^{10} + 5 x^9 + 6 x^8 + 5 x^7 + 6 x^6 + 5 x^5 + 6 x^4 + 5 x^3 + 5 x^2 + 4 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A313788
Score: 4.87663
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 5 x^{10} + 5 x^9 + 6 x^8 + 5 x^7 + 6 x^6 + 5 x^5 + 6 x^4 + 5 x^3 + 5 x^2 + 4 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A313789
Score: 5.8842
Type of gen. func.: ogf

$$\frac{(x^6 + 2 x^5 - x^4 - x^2 + 2 x + 1) (x + 1)^2}{(x^2 + x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A313789
Score: 6.08537
Type of gen. func.: ogf

$$\frac{(x^6 + 2 x^5 - x^4 - x^2 + 2 x + 1) (x + 1)^2}{(x^2 + x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A313791
Score: 4.75219
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + 3 x^6 + 6 x^5 + 5 x^4 + 6 x^3 + 3 x^2 + 3 x + 1}{(x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A313791
Score: 4.88328
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + 3 x^6 + 6 x^5 + 5 x^4 + 6 x^3 + 3 x^2 + 3 x + 1}{(x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A313793
Score: 4.75219
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + 2 x^6 + 3 x^5 + 3 x^4 + 3 x^3 + 2 x^2 + 3 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A313793
Score: 5.85187
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + 2 x^6 + 3 x^5 + 3 x^4 + 3 x^3 + 2 x^2 + 3 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A313794
Score: 3.49014
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 2 x^{10} + 3 x^9 + 3 x^8 + 3 x^7 + 2 x^6 + 3 x^5 + 3 x^4 + 3 x^3 + 2 x^2$$

$$+ 3 x + 1) \Big/ ((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2)$$

Sequence: A313796
Score: 4.56403
Type of gen. func.: ogf

$$\frac{x^{14} + 3 x^{13} + x^{12} + x^{10} + 4 x^7 + x^4 + x^2 + 3 x + 1}{(x^6 + x^3 + 1) (x^6 - x^3 + 1) (x - 1)^2}$$

Sequence: A313796
Score: 5.04956
Type of gen. func.: ogf

$$\frac{x^{14} + 3 x^{13} + x^{12} + x^{10} + 4 x^7 + x^4 + x^2 + 3 x + 1}{(x^6 + x^3 + 1) (x^6 - x^3 + 1) (x - 1)^2}$$

Sequence: A313799
Score: 4.77844
Type of gen. func.: ogf

$$\frac{(x^6 + x^5 - 2 x^4 + 4 x^3 - 2 x^2 + x + 1) (x + 1)^2}{(x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A313799
Score: 6.532
Type of gen. func.: ogf

$$\frac{(x^6 + x^5 - 2 x^4 + 4 x^3 - 2 x^2 + x + 1) (x + 1)^2}{(x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A313800
Score: 3.93352

Type of gen. func.: ogf

$$-(x+1)(x^{19}-x^{18}+x^{17}-x^{16}-x^{13}-3x^{12}-2x^{11}-4x^{10}-2x^{9}-4x^{8}-2x^{7}-3x^{6}-3x^{5}-3x^{4}-3x^{3}-2x^{2}-3x-1)\Big/\left((x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}\right)$$

Sequence: A313801
Score: 3.99993
Type of gen. func.: ogf

$$\frac{x^{10}+3x^{9}+2x^{8}+3x^{7}+3x^{6}+3x^{5}+3x^{4}+3x^{3}+2x^{2}+3x+1}{(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)(x-1)^{2}}$$

Sequence: A313802
Score: 4.16367
Type of gen. func.: ogf

$$\frac{(x^{10}+2x^{9}+3x^{7}+3x^{5}+3x^{3}+2x+1)(x+1)^{2}}{(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A313802
Score: 4.87663
Type of gen. func.: ogf

$$\frac{(x^{10}+2x^{9}+3x^{7}+3x^{5}+3x^{3}+2x+1)(x+1)^{2}}{(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A313803
Score: 6.30078
Type of gen. func.: ogf

```
 8      7    6    4    2
x  + 3 x  + x  + x  + x  + 3 x + 1
-----------------------------------
   2        4    2             2
```

$$(x + 1) (x - x + 1) (x - 1)$$

Sequence: A313803
Score: 6.53200
Type of gen. func.: ogf

$$\frac{x^{8} + 3 x^{7} + x^{6} + x^{4} + x^{2} + 3 x + 1}{(x^{2} + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A313808
Score: 4.16367
Type of gen. func.: ogf

$$- (x^{12} + x^{11} - 2 x^{10} - 5 x^{9} - 11 x^{8} - 17 x^{7} - 23 x^{6} - 23 x^{5} - 22 x^{4} - 15 x^{3} - 10 x^{2} - 5 x - 1) / ((x - 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A313808
Score: 4.81073
Type of gen. func.: ogf

$$- (x^{12} + x^{11} - 2 x^{10} - 5 x^{9} - 11 x^{8} - 17 x^{7} - 23 x^{6} - 23 x^{5} - 22 x^{4} - 15 x^{3} - 10 x^{2} - 5 x - 1) / ((x - 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A313813
Score: 3.99993
Type of gen. func.: ogf

$$\frac{(x^{2} + 1) (x^{10} + 3 x^{9} - 3 x^{7} + 2 x^{6} + 2 x^{5} + 2 x^{4} - 3 x^{3} + 3 x + 1)}{(x^{2} + x + 1) (x^{8} - x^{7} + x^{5} - x^{4} + x^{3} - x + 1) (x - 1)^{2}}$$

Sequence: A313813
Score: 4.16367
Type of gen. func.: ogf

$$\frac{(x^2+1)(x^{10}+3x^9-3x^7+2x^6+2x^5+2x^4-3x^3+3x+1)}{(x^2+x+1)(x^8-x^7+x^5-x^4+x^3-x+1)(x-1)^2}$$

Sequence: A313814
Score: 3.82789
Type of gen. func.: ogf

$$\frac{(x^4+2x^3+2x+1)(x^6+2x^5-x^3+2x+1)(x^2+1)}{(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A313814
Score: 4.87663
Type of gen. func.: ogf

$$\frac{(x^4+2x^3+2x+1)(x^6+2x^5-x^3+2x+1)(x^2+1)}{(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A313815
Score: 3.19277
Type of gen. func.: ogf

$$(x^{18}+2x^{17}+2x^{15}+2x^{13}+3x^{12}+3x^{10}-x^9+3x^8+3x^6+2x^5+2x^3+2x+1)(x+1)^2 \Big/ \left((x^2+x+1)(x^6+x^3+1)(x^6-x^3+1)(x^4+1)(x-1)^2\right)$$

Sequence: A313824
Score: 4.69443
Type of gen. func.: ogf

$$\frac{x^{10}+4x^9+5x^8+5x^7-x^5+5x^3+5x^2+4x+1}{(x^2+x+1)(x^2+1)(x^4-x^2+1)(x-1)^2}$$

Sequence: A313824
Score: 4.92422
Type of gen. func.: ogf

$$\frac{x^{10}+4x^{9}+5x^{8}+5x^{7}-x^{5}+5x^{3}+5x^{2}+4x+1}{(x^{2}+x+1)(x^{2}+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A313825
Score: 3.36921
Type of gen. func.: ogf

$$(x^{12}+4x^{11}+5x^{10}+6x^{9}+4x^{8}+4x^{7}+6x^{6}+4x^{5}+4x^{4}+6x^{3}+5x^{2}+4x+1) / ((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2})$$

Sequence: A313825
Score: 4.82304
Type of gen. func.: ogf

$$(x^{12}+4x^{11}+5x^{10}+6x^{9}+4x^{8}+4x^{7}+6x^{6}+4x^{5}+4x^{4}+6x^{3}+5x^{2}+4x+1) / ((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2})$$

Sequence: A313826
Score: 5.02182
Type of gen. func.: ogf

$$\frac{x^{8}+3x^{7}+2x^{6}+4x^{5}+4x^{3}+2x^{2}+3x+1}{(x^{4}+1)(x^{2}+1)(x-1)^{2}}$$

Sequence: A313826
Score: 6.26616
Type of gen. func.: ogf

$$\frac{x^{8} + 3 x^{7} + 2 x^{6} + 4 x^{5} + 4 x^{3} + 2 x^{2} + 3 x + 1}{(x^{4} + 1) (x^{2} + 1) (x - 1)^{2}}$$

Sequence: A313827
Score: 4.23998
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^{9} + 2 x^{8} + 4 x^{7} + 5 x^{5} + 4 x^{3} + 2 x^{2} + 3 x + 1}{(x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A313827
Score: 4.37084
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^{9} + 2 x^{8} + 4 x^{7} + 5 x^{5} + 4 x^{3} + 2 x^{2} + 3 x + 1}{(x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A313829
Score: 5.48896
Type of gen. func.: ogf

$$\frac{x^{8} + 3 x^{7} + x^{6} + x^{5} - 2 x^{4} + x^{3} + x^{2} + 3 x + 1}{(x^{2} + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A313829
Score: 5.66461
Type of gen. func.: ogf

$$x^{8} + 3 x^{7} + x^{6} + x^{5} - 2 x^{4} + x^{3} + x^{2} + 3 x + 1$$

----

2 4 2 2

$$(x + 1) (x - x + 1) (x - 1)$$

Sequence: A313831
Score: 3.38792
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 5 x^{10} + 6 x^9 + 4 x^8 + 5 x^7 + 6 x^6 + 5 x^5 + 4 x^4 + 6 x^3 + 5 x^2 + 4 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A313831
Score: 4.84984
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 5 x^{10} + 6 x^9 + 4 x^8 + 5 x^7 + 6 x^6 + 5 x^5 + 4 x^4 + 6 x^3 + 5 x^2 + 4 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A313833
Score: 3.76636
Type of gen. func.: ogf

$$\frac{x^{12} + 3 x^{11} + 2 x^{10} + 4 x^9 + 5 x^7 + x^6 + 5 x^5 + 4 x^3 + 2 x^2 + 3 x + 1}{(x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)}$$

Sequence: A313834
Score: 3.38792
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 5 x^{10} + 6 x^9 + 4 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 4 x^4 + 6 x^3 + 5 x^2 + 4 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)$$

$$(x - 1)^2)$$

Sequence: A313834
Score: 4.84984
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 5 x^{10} + 6 x^9 + 4 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 4 x^4 + 6 x^3 + 5 x^2 + 4 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A313835
Score: 4.72051
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 5 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 4 x^4 + 6 x^3 + 5 x^2 + 4 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A313835
Score: 5.57540
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 5 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 4 x^4 + 6 x^3 + 5 x^2 + 4 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A313836
Score: 5.48896
Type of gen. func.: ogf

$$\frac{(x^4 + 2 x^3 - 2 x^2 + 2 x + 1) (x^2 + x + 1)^2}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A313836
Score: 6.49611
Type of gen. func.: ogf

$$\frac{(x^4+2x^3-2x^2+2x+1)(x^2+x+1)^2}{(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A313837
Score: 4.72051
Type of gen. func.: ogf

$$\frac{x^{10}+4x^9+5x^8+5x^7+x^5+5x^3+5x^2+4x+1}{(x^2+x+1)(x^2+1)(x^4-x^2+1)(x-1)^2}$$

Sequence: A313837
Score: 4.95158
Type of gen. func.: ogf

$$\frac{x^{10}+4x^9+5x^8+5x^7+x^5+5x^3+5x^2+4x+1}{(x^2+x+1)(x^2+1)(x^4-x^2+1)(x-1)^2}$$

Sequence: A313839
Score: 3.57614
Type of gen. func.: ogf

$$-(x^{17}+2x^{14}-x^{13}-x^{12}+x^{11}-3x^{10}-7x^9-10x^8-17x^7-21x^6-24x^5-20x^4-16x^3-10x^2-5x-1) \Big/ \left((x-1)^2 (x^4+x^3+x^2+x+1)^2\right)$$

Sequence: A313839
Score: 4.04615
Type of gen. func.: ogf

$$-(x^{17}+2x^{14}-x^{13}-x^{12}+x^{11}-3x^{10}-7x^9-10x^8-17x^7-21x^6-24x^5-20x^4-16x^3-10x^2-5x-1) \Big/ \left((x-1)^2 (x^4+x^3+x^2+x+1)^2\right)$$

/

Sequence: A313840
Score: 4.09189
Type of gen. func.: ogf

$$(x^{14} + 3 x^{13} + x^{12} + x^{11} - 2 x^{10} + 2 x^{9} + 4 x^{7} + 2 x^{5} - 2 x^{4} + x^{3} + x^{2} + 3 x + 1) / ((x^{6} + x^{3} + 1) (x^{6} - x^{3} + 1) (x - 1)^{2})$$

Sequence: A313842
Score: 4.23998
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^{9} + 2 x^{8} + 4 x^{7} + 6 x^{5} + 4 x^{3} + 2 x^{2} + 3 x + 1}{(x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A313842
Score: 4.37084
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^{9} + 2 x^{8} + 4 x^{7} + 6 x^{5} + 4 x^{3} + 2 x^{2} + 3 x + 1}{(x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A313846
Score: 4.72051
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + 5 x^{8} + 6 x^{7} + 4 x^{6} + 7 x^{5} + 4 x^{4} + 6 x^{3} + 5 x^{2} + 4 x + 1}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)}$$

Sequence: A313846
Score: 5.57540
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + 5 x^{8} + 6 x^{7} + 4 x^{6} + 7 x^{5} + 4 x^{4} + 6 x^{3} + 5 x^{2} + 4 x + 1}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A313848
Score: 4.02316
Type of gen. func.: ogf

$$- (x^{2} + x + 1) (x^{12} - x^{11} + 2 x^{9} - 4 x^{8} - 4 x^{7} - 3 x^{6} - 10 x^{5} - 8 x^{4} - 7 x^{3} - 5 x^{2} - 4 x - 1) / ((x - 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A313848
Score: 4.78430
Type of gen. func.: ogf

$$- (x^{2} + x + 1) (x^{12} - x^{11} + 2 x^{9} - 4 x^{8} - 4 x^{7} - 3 x^{6} - 10 x^{5} - 8 x^{4} - 7 x^{3} - 5 x^{2} - 4 x - 1) / ((x - 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A313849
Score: 3.78717
Type of gen. func.: ogf

$$\frac{x^{12} + 3 x^{11} + x^{10} + x^{9} - 2 x^{8} + 4 x^{7} + 4 x^{5} - 2 x^{4} + x^{3} + x^{2} + 3 x + 1}{(x^{2} + x + 1) (x^{8} - x^{7} + x^{5} - x^{4} + x^{3} - x + 1) (x - 1)^{2}}$$

Sequence: A313849
Score: 3.97759
Type of gen. func.: ogf

$$\frac{x^{12} + 3 x^{11} + x^{10} + x^{9} - 2 x^{8} + 4 x^{7} + 4 x^{5} - 2 x^{4} + x^{3} + x^{2} + 3 x + 1}{(x^{2} + x + 1) (x^{8} - x^{7} + x^{5} - x^{4} + x^{3} - x + 1) (x - 1)^{2}}$$

Sequence: A313853
Score: 3.45178
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 2 x^{10} + 4 x^9 + x^8 + 3 x^7 + x^6 + 3 x^5 + x^4 + 4 x^3 + 2 x^2 + 3 x + 1) / ((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2)$$

Sequence: A313854
Score: 3.46879
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^{10} + 3 x^9 + x^8 + 2 x^7 + 2 x^6 + 2 x^4 + 2 x^3 + x^2 + 3 x + 1)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A313854
Score: 4.82304
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^{10} + 3 x^9 + x^8 + 2 x^7 + 2 x^6 + 2 x^4 + 2 x^3 + x^2 + 3 x + 1)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A313855
Score: 3.97796
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 2 x^8 + 4 x^7 + x^6 + 3 x^5 + x^4 + 4 x^3 + 2 x^2 + 3 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A313856
Score: 4.00043
Type of gen. func.: ogf

$$(x^{14} + 3 x^{13} + 3 x^{12} + 7 x^{11} + 4 x^{10} + 10 x^9 + 5 x^8 + 15 x^7 + 5 x^6 + 10 x^5$$

$$+ 4 x^4 + 7 x^3 + 3 x^2 + 3 x + 1) \bigg/ ((x - 1)^2 (x^2 + 1)^2 (x^4 + 1)^2)$$

Sequence: A313859
Score: 3.45178
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 2 x^{10} + 4 x^9 + x^8 + 3 x^7 + 2 x^6 + 3 x^5 + x^4 + 4 x^3 + 2 x^2 + 3 x$$
$$+ 1) \bigg/ ((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2)$$

Sequence: A313860
Score: 4.75219
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^8 + 4 x^7 + 4 x^6 + 2 x^5 + x^4 + 2 x^3 + 4 x^2 + 4 x + 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A313860
Score: 5.57540
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^8 + 4 x^7 + 4 x^6 + 2 x^5 + x^4 + 2 x^3 + 4 x^2 + 4 x + 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A313862
Score: 6.05193
Type of gen. func.: ogf

$$\frac{x^6 + 4 x^5 + 6 x^4 + 9 x^3 + 6 x^2 + 4 x + 1}{(x^2 + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A313862
Score: 6.49611

Type of gen. func.: ogf

$$\frac{x^6 + 4 x^5 + 6 x^4 + 9 x^3 + 6 x^2 + 4 x + 1}{(x^2 + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A313867
Score: 7.29975
Type of gen. func.: ogf

$$- \frac{x^9 - 2 x^7 + 2 x^5 - 2 x^4 - 6 x^3 - 8 x^2 - 5 x - 1}{(x + 1)^2 (x - 1)^2}$$

Sequence: A313867
Score: 7.29975
Type of gen. func.: ogf

$$- \frac{x^9 - 2 x^7 + 2 x^5 - 2 x^4 - 6 x^3 - 8 x^2 - 5 x - 1}{(x + 1)^2 (x - 1)^2}$$

Sequence: A313869
Score: 3.38792
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 5 x^{10} + 6 x^9 + 5 x^8 + 5 x^7 + 4 x^6 + 5 x^5 + 5 x^4 + 6 x^3 + 5 x^2 + 4 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A313869
Score: 4.84984
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 5 x^{10} + 6 x^9 + 5 x^8 + 5 x^7 + 4 x^6 + 5 x^5 + 5 x^4 + 6 x^3 + 5 x^2$$

/ 10 9 8 7 6 5 4 3 2

$$+ 4 x + 1) / ((x + x + x + x + x + x + x + x + x + x + x + 1) (x - 1)^2)$$

Sequence: A313872
Score: 3.47096
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 2 x^{10} + 4 x^9 + x^8 + 4 x^7 + x^6 + 4 x^5 + x^4 + 4 x^3 + 2 x^2 + 3 x + 1) / ((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2)$$

Sequence: A313873
Score: 6.49611
Type of gen. func.: ogf

$$\frac{x^6 + 4 x^5 + 5 x^4 + 6 x^3 + 5 x^2 + 4 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A313873
Score: 7.61372
Type of gen. func.: ogf

$$\frac{x^6 + 4 x^5 + 5 x^4 + 6 x^3 + 5 x^2 + 4 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A313875
Score: 4.77844
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^6 + 2 x^5 - x^4 + 3 x^3 - x^2 + 2 x + 1)}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A313875
Score: 5.69591
Type of gen. func.: ogf

$$\frac{(x^2+x+1)(x^6+2x^5-x^4+3x^3-x^2+2x+1)}{(x^4+1)(x^2+1)(x-1)^2}$$

Sequence: A313876
Score: 3.40664
Type of gen. func.: ogf

$$(x^{12}+4x^{11}+5x^{10}+6x^9+5x^8+5x^7+6x^6+5x^5+5x^4+6x^3+5x^2+4x+1) / ((x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2)$$

Sequence: A313876
Score: 4.87663
Type of gen. func.: ogf

$$(x^{12}+4x^{11}+5x^{10}+6x^9+5x^8+5x^7+6x^6+5x^5+5x^4+6x^3+5x^2+4x+1) / ((x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2)$$

Sequence: A313877
Score: 4.09189
Type of gen. func.: ogf

$$(x^{14}+3x^{13}+x^{12}+x^{11}-x^{10}+2x^8+2x^7+2x^6-x^4+x^3+x^2+3x+1) / ((x^6+x^3+1)(x^6-x^3+1)(x-1)^2)$$

Sequence: A313879
Score: 4.50625

Type of gen. func.: ogf

$$\frac{x^{10}+4x^{9}+5x^{8}+5x^{7}+x^{6}+x^{4}+5x^{3}+5x^{2}+4x+1}{(x^{2}+1)(x^{2}+x+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A313879
Score: 4.71515
Type of gen. func.: ogf

$$\frac{x^{10}+4x^{9}+5x^{8}+5x^{7}+x^{6}+x^{4}+5x^{3}+5x^{2}+4x+1}{(x^{2}+1)(x^{2}+x+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A313881
Score: 3.61566
Type of gen. func.: ogf

$$-(2x^{15}-x^{11}-9x^{10}-9x^{9}-11x^{8}-12x^{7}-16x^{6}-14x^{5}-12x^{4}-11x^{3}-9x^{2}-5x-1)\Big/\left((x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{4}+1)(x-1)^{2}\right)$$

Sequence: A313884
Score: 3.47096
Type of gen. func.: ogf

$$(x^{12}+3x^{11}+2x^{10}+4x^{9}+x^{8}+5x^{7}-x^{6}+5x^{5}+x^{4}+4x^{3}+2x^{2}+3x+1)\Big/\left((x^{2}+1)(x^{2}+x+1)(x^{2}-x+1)(x^{4}-x^{2}+1)(x-1)^{2}\right)$$

Sequence: A313885
Score: 3.76636
Type of gen. func.: ogf

$$(x^{12}+3x^{11}+2x^{10}+5x^{9}+4x^{8}+7x^{7}+3x^{6}+7x^{5}+4x^{4}+5x^{3}+2x^{2}+3x+1)\Big/\left((x^{2}+x+1)(x^{2}-x+1)(x^{6}+x^{3}+1)(x-1)^{2}\right)$$

Sequence: A313885
Score: 3.95573
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 2 x^{10} + 5 x^{9} + 4 x^{8} + 7 x^{7} + 3 x^{6} + 7 x^{5} + 4 x^{4} + 5 x^{3} + 2 x^{2} + 3 x + 1) / ((x^{2} + x + 1) (x^{2} - x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2})$$

Sequence: A313886
Score: 3.22167
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 10 x^{10} + 16 x^{9} + 21 x^{8} + 26 x^{7} + 26 x^{6} + 26 x^{5} + 21 x^{4} + 16 x^{3} + 10 x^{2} + 5 x + 1) / ((x^{4} + x^{3} + x^{2} + x + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A313886
Score: 4.50625
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 10 x^{10} + 16 x^{9} + 21 x^{8} + 26 x^{7} + 26 x^{6} + 26 x^{5} + 21 x^{4} + 16 x^{3} + 10 x^{2} + 5 x + 1) / ((x^{4} + x^{3} + x^{2} + x + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A313887
Score: 3.40664
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 5 x^{10} + 6 x^{9} + 5 x^{8} + 6 x^{7} + 4 x^{6} + 6 x^{5} + 5 x^{4} + 6 x^{3} + 5 x^{2} + 4 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)$$

$(x - 1)^2)$

Sequence: A313887
Score: 4.87663
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 5 x^{10} + 6 x^9 + 5 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 5 x^4 + 6 x^3 + 5 x^2 + 4 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A313889
Score: 4.50625
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 5 x^8 + 6 x^7 + 6 x^6 + 9 x^5 + 6 x^4 + 6 x^3 + 5 x^2 + 4 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A313889
Score: 4.71515
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 5 x^8 + 6 x^7 + 6 x^6 + 9 x^5 + 6 x^4 + 6 x^3 + 5 x^2 + 4 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A313891
Score: 4.6233
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + x^8 + x^7 + 4 x^5 + x^3 + x^2 + 3 x + 1}{(x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A313891
Score: 4.71515
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^{9} + x^{8} + x^{7} + 4 x^{5} + x^{3} + x^{2} + 3 x + 1}{(x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A313892
Score: 3.63259
Type of gen. func.: ogf

$$\frac{x^{12} + 3 x^{11} + x^{10} + x^{9} - x^{8} + 2 x^{7} + 2 x^{6} + 2 x^{5} - x^{4} + x^{3} + x^{2} + 3 x + 1}{(x^{2} + x + 1) (x^{8} - x^{7} + x^{5} - x^{4} + x^{3} - x + 1) (x - 1)^{2}}$$

Sequence: A313894
Score: 4.77844
Type of gen. func.: ogf

$$\frac{x^{8} + 3 x^{7} + x^{6} + 2 x^{5} + 2 x^{4} + 2 x^{3} + x^{2} + 3 x + 1}{(x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A313894
Score: 6.30078
Type of gen. func.: ogf

$$\frac{x^{8} + 3 x^{7} + x^{6} + 2 x^{5} + 2 x^{4} + 2 x^{3} + x^{2} + 3 x + 1}{(x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A313896
Score: 3.12276
Type of gen. func.: ogf

$$(x^{16} + 2 x^{15} - x^{14} + 3 x^{13} - x^{12} + 3 x^{11} - x^{10} + x^{9} + 2 x^{8} + x^{7} - x^{6} + 3 x^{5}$$

$$- x^{4} + 3 x^{3} - x^{2} + 2 x + 1) \Big/ ((x^{2} - x + 1) (x^{6} + x^{3} + 1) (x^{6} - x^{3} + 1)$$

$$(x - 1)^2)$$

Sequence: A313898
Score: 4.31508
Type of gen. func.: ogf

$$\frac{(x^6 + x^5 - 3 x^4 + 5 x^3 - 3 x^2 + x + 1) (x^2 + x + 1)^2}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A313899
Score: 3.37435
Type of gen. func.: ogf

$$(x^2 + x + 1)$$

$$(x^{10} + 3 x^9 + x^8 + 2 x^7 + 2 x^6 + 2 x^5 + 2 x^4 + 2 x^3 + x^2 + 3 x + 1) / ($$

$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A313899
Score: 4.87663
Type of gen. func.: ogf

$$(x^2 + x + 1)$$

$$(x^{10} + 3 x^9 + x^8 + 2 x^7 + 2 x^6 + 2 x^5 + 2 x^4 + 2 x^3 + x^2 + 3 x + 1) / ($$

$$(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A313900
Score: 5.51929
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + x^6 + x^5 - x^4 + x^3 + x^2 + 3 x + 1}{(x^2 + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A313900
Score: 5.69590
Type of gen. func.: ogf

$$\frac{x^8+3x^7+x^6+x^5-x^4+x^3+x^2+3x+1}{(x^2+1)(x^4-x^2+1)(x-1)^2}$$

Sequence: A313905
Score: 4.00043
Type of gen. func.: ogf

$$\frac{(x^2+1)(x^8+3x^7+x^6+x^5+x^4+x^3+x^2+3x+1)}{(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x-1)^2}$$

Sequence: A313906
Score: 3.76636
Type of gen. func.: ogf

$$(x^{12}+3x^{11}+2x^{10}+5x^9+5x^8+4x^7+7x^6+4x^5+5x^4+5x^3+2x^2+3x+1) \Big/ ((x^6+x^3+1)(x^2+x+1)(x^2-x+1)(x-1)^2)$$

Sequence: A313906
Score: 3.95573
Type of gen. func.: ogf

$$(x^{12}+3x^{11}+2x^{10}+5x^9+5x^8+4x^7+7x^6+4x^5+5x^4+5x^3+2x^2+3x+1) \Big/ ((x^6+x^3+1)(x^2+x+1)(x^2-x+1)(x-1)^2)$$

Sequence: A313908
Score: 3.40664
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 5 x^{10} + 6 x^{9} + 6 x^{8} + 4 x^{7} + 6 x^{6} + 4 x^{5} + 6 x^{4} + 6 x^{3} + 5 x^{2} + 4 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A313908
Score: 4.87663
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 5 x^{10} + 6 x^{9} + 6 x^{8} + 4 x^{7} + 6 x^{6} + 4 x^{5} + 6 x^{4} + 6 x^{3} + 5 x^{2} + 4 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A313909
Score: 4.91026
Type of gen. func.: ogf

$$\frac{(x^{2} + 1) (x^{6} + 2 x^{5} - x^{4} + 2 x^{3} - x^{2} + 2 x + 1) (x + 1)^{2}}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A313909
Score: 5.60620
Type of gen. func.: ogf

$$\frac{(x^{2} + 1) (x^{6} + 2 x^{5} - x^{4} + 2 x^{3} - x^{2} + 2 x + 1) (x + 1)^{2}}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A313912
Score: 3.47096
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 2 x^{10} + 4 x^{9} + 2 x^{8} + 3 x^{7} + x^{6} + 3 x^{5} + 2 x^{4} + 4 x^{3} + 2 x^{2}$$

$$+ 3 x + 1) / ((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2)$$

Sequence: A313913
Score: 3.43956
Type of gen. func.: ogf

$$(x^2 + 1) (x^{10} + 4 x^9 + 4 x^8 + 2 x^7 + 2 x^6 + 3 x^5 + 2 x^4 + 2 x^3 + 4 x^2 + 4 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A313913
Score: 4.87663
Type of gen. func.: ogf

$$(x^2 + 1) (x^{10} + 4 x^9 + 4 x^8 + 2 x^7 + 2 x^6 + 3 x^5 + 2 x^4 + 2 x^3 + 4 x^2 + 4 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A313914
Score: 3.67004
Type of gen. func.: ogf

$$(x^{16} + 2 x^{15} - x^{14} + 3 x^{13} + x^{10} + 4 x^9 - 4 x^8 + 4 x^7 + x^6 + 3 x^3 - x^2 + 2 x + 1) / ((x^2 - x + 1) (x^6 + x^3 + 1) (x^6 - x^3 + 1) (x - 1)^2)$$

Sequence: A313916
Score: 3.99993
Type of gen. func.: ogf

$$x^{10} + 3 x^9 + 2 x^8 + 4 x^7 + 2 x^6 + 3 x^5 + 2 x^4 + 4 x^3 + 2 x^2 + 3 x + 1$$

$$(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2$$

Sequence: A313918
Score: 3.45625
Type of gen. func.: ogf

$$(x^2 + x + 1) (x^8 + x^7 - 2 x^6 + 5 x^5 - 5 x^4 + 5 x^3 - 2 x^2 + x + 1) (x + 1)^2 / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A313918
Score: 4.87663
Type of gen. func.: ogf

$$(x^2 + x + 1) (x^8 + x^7 - 2 x^6 + 5 x^5 - 5 x^4 + 5 x^3 - 2 x^2 + x + 1) (x + 1)^2 / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A313922
Score: 3.63259
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 2 x^{10} + 4 x^9 + 2 x^8 + 4 x^7 + 4 x^5 + 2 x^4 + 4 x^3 + 2 x^2 + 3 x + 1) / ((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2)$$

Sequence: A313923
Score: 5.04956
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 5 x^6 + 6 x^5 + 6 x^4 + 6 x^3 + 5 x^2 + 4 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A313923

Score: 6.53200
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 5 x^6 + 6 x^5 + 6 x^4 + 6 x^3 + 5 x^2 + 4 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A313924
Score: 4.47791
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^9 - x^8 + 3 x^7 + x^5 + 3 x^3 - x^2 + 2 x + 1}{(x^2 + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A313924
Score: 4.74659
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^9 - x^8 + 3 x^7 + x^5 + 3 x^3 - x^2 + 2 x + 1}{(x^2 + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A313926
Score: 6.53200
Type of gen. func.: ogf

$$\frac{x^6 + 3 x^5 + x^4 + x^3 + x^2 + 3 x + 1}{(x - 1)^2 (x^4 + 1)}$$

Sequence: A313926
Score: 7.99987
Type of gen. func.: ogf

$$\frac{x^6 + 3 x^5 + x^4 + x^3 + x^2 + 3 x + 1}{(x - 1)^2 (x^4 + 1)}$$

Sequence: A313927
Score: 4.77267
Type of gen. func.: ogf

$$\frac{x^{10}+4x^{9}+5x^{8}+6x^{7}+6x^{6}+6x^{5}+6x^{4}+6x^{3}+5x^{2}+4x+1}{(x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2}}$$

Sequence: A313927
Score: 5.63701
Type of gen. func.: ogf

$$\frac{x^{10}+4x^{9}+5x^{8}+6x^{7}+6x^{6}+6x^{5}+6x^{4}+6x^{3}+5x^{2}+4x+1}{(x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2}}$$

Sequence: A313928
Score: 4.02191
Type of gen. func.: ogf

$$\frac{x^{10}+3x^{9}+2x^{8}+4x^{7}+2x^{6}+4x^{5}+2x^{4}+4x^{3}+2x^{2}+3x+1}{(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)(x-1)^{2}}$$

Sequence: A313929
Score: 3.42536
Type of gen. func.: ogf

$$(x^{12}+4x^{11}+5x^{10}+6x^{9}+6x^{8}+6x^{7}+6x^{6}+6x^{5}+6x^{4}+6x^{3}+5x^{2}+4x+1) \Big/ ((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2})$$

Sequence: A313929
Score: 4.90342
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 5 x^{10} + 6 x^{9} + 6 x^{8} + 6 x^{7} + 6 x^{6} + 6 x^{5} + 6 x^{4} + 6 x^{3} + 5 x^{2} + 4 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A313930
Score: 4.21118
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^{9} + x^{8} + x^{7} + x^{6} + 3 x^{5} + x^{4} + x^{3} + x^{2} + 3 x + 1}{(x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A313930
Score: 4.28683
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^{9} + x^{8} + x^{7} + x^{6} + 3 x^{5} + x^{4} + x^{3} + x^{2} + 3 x + 1}{(x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A313936
Score: 4.09189
Type of gen. func.: ogf

$$- (x^{12} - 3 x^{10} - 2 x^{9} - 5 x^{8} - 11 x^{7} - 8 x^{6} - 10 x^{5} - 11 x^{4} - 7 x^{3} - 5 x^{2} - 4 x - 1) / ((x^{2} + x + 1) (x - 1)^{2} (x + 1)^{2} (x^{2} - x + 1)^{2})$$

Sequence: A313936
Score: 4.16367
Type of gen. func.: ogf

$$- (x^{12} - 3 x^{10} - 2 x^{9} - 5 x^{8} - 11 x^{7} - 8 x^{6} - 10 x^{5} - 11 x^{4} - 7 x^{3} - 5 x^{2} - 4 x - 1) / ((x^{2} + x + 1) (x - 1)^{2} (x + 1)^{2} (x^{2} - x + 1)^{2})$$

/

Sequence: A313937
Score: 3.4922
Type of gen. func.: ogf

$$\frac{(x^2+1)(x^8+3x^7+2x^6+4x^5+4x^4+4x^3+2x^2+3x+1)(x+1)^2}{(x^4+x^3+x^2+x+1)(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A313937
Score: 4.53101
Type of gen. func.: ogf

$$\frac{(x^2+1)(x^8+3x^7+2x^6+4x^5+4x^4+4x^3+2x^2+3x+1)(x+1)^2}{(x^4+x^3+x^2+x+1)(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A313938
Score: 4.04463
Type of gen. func.: ogf

$$\frac{(x^2+1)(x^8+3x^7+x^6+x^5+2x^4+x^3+x^2+3x+1)}{(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x-1)^2}$$

Sequence: A313939
Score: 3.31435
Type of gen. func.: ogf

$$\frac{(x^{12}+3x^{11}+3x^{10}+7x^9+6x^8+8x^7+7x^6+8x^5+6x^4+7x^3+3x^2+3x+1)(x+1)^2}{(x^2+x+1)(x^4+x^3+x^2+x+1)(x^6+x^3+1)(x-1)^2}$$

Sequence: A313939
Score: 4.02191
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 3 x^{10} + 7 x^9 + 6 x^8 + 8 x^7 + 7 x^6 + 8 x^5 + 6 x^4 + 7 x^3 + 3 x^2 + 3 x + 1) (x + 1)^2 / ((x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2)$$

Sequence: A313940
Score: 4.41914
Type of gen. func.: ogf

$$\frac{(x^{10} + 2 x^9 + 5 x^7 + x^6 + 3 x^5 + x^4 + 5 x^3 + 2 x + 1) (x + 1)^2}{(x^4 + x^3 + x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A313945
Score: 3.49014
Type of gen. func.: ogf

$$- (x^{17} + x^{14} - x^{12} - 2 x^{11} + x^{10} - 2 x^9 - 5 x^8 - 12 x^7 - 14 x^6 - 16 x^5 - 15 x^4 - 16 x^3 - 10 x^2 - 5 x - 1) / ((x + 1) (x^2 - x + 1) (x - 1)^2 (x^2 + x + 1)^2)$$

Sequence: A313945
Score: 4.13947
Type of gen. func.: ogf

$$- (x^{17} + x^{14} - x^{12} - 2 x^{11} + x^{10} - 2 x^9 - 5 x^8 - 12 x^7 - 14 x^6 - 16 x^5 - 15 x^4 - 16 x^3 - 10 x^2 - 5 x - 1) / ((x + 1) (x^2 - x + 1) (x - 1)^2 (x^2 + x + 1)^2)$$

Sequence: A313951
Score: 3.80798
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 6 x^{10} + 11 x^9 + 8 x^8 + 16 x^7 + 8 x^6 + 16 x^5 + 8 x^4 + 11 x^3 + 6 x^2 + 4 x + 1) / ((x^2 + 1) (x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2)$$

Sequence: A313952
Score: 3.22167
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 10 x^{10} + 17 x^9 + 21 x^8 + 25 x^7 + 26 x^6 + 25 x^5 + 21 x^4 + 17 x^3 + 10 x^2 + 5 x + 1) / ((x^4 + x^3 + x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A313952
Score: 4.50625
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 10 x^{10} + 17 x^9 + 21 x^8 + 25 x^7 + 26 x^6 + 25 x^5 + 21 x^4 + 17 x^3 + 10 x^2 + 5 x + 1) / ((x^4 + x^3 + x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A313954
Score: 4.97894
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 6 x^6 + 11 x^5 + 9 x^4 + 11 x^3 + 6 x^2 + 4 x + 1}{(x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A313955
Score: 5.014
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + 5 x^{8} + 6 x^{7} + 6 x^{3} + 5 x^{2} + 4 x + 1}{(x^{2} + 1) (x^{2} + x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A313955
Score: 5.27399
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + 5 x^{8} + 6 x^{7} + 6 x^{3} + 5 x^{2} + 4 x + 1}{(x^{2} + 1) (x^{2} + x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A313958
Score: 3.78717
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 2 x^{10} + 4 x^{9} - 4 x^{8} + 4 x^{7} - 4 x^{6} + 4 x^{5} - 4 x^{4} + 4 x^{3} + 2 x^{2} + 3 x + 1) / ((x^{2} + x + 1) (x^{2} - x + 1) (x^{6} - x^{3} + 1) (x - 1)^{2})$$

Sequence: A313962
Score: 5.04956
Type of gen. func.: ogf

$$\frac{(x^{2} + 1) (x^{6} + 3 x^{5} + 3 x + 1)}{(x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A313962
Score: 7.99987
Type of gen. func.: ogf

$$\frac{(x^{2} + 1) (x^{6} + 3 x^{5} + 3 x + 1)}{(x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A313963
Score: 3.28105
Type of gen. func.: ogf

$$-(x^{18} - 2 x^{13} + x^{12} - x^{11} - 5 x^{10} - 10 x^{9} - 11 x^{8} - 14 x^{7} - 14 x^{6} - 14 x^{5} - 12 x^{4} - 12 x^{3} - 9 x^{2} - 5 x - 1) / ((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} + 1) (x - 1)^{2})$$

Sequence: A313969
Score: 3.0956
Type of gen. func.: ogf

$$(x^{14} + 3 x^{13} + x^{12} + 3 x^{11} + x^{10} + 7 x^{9} + 3 x^{8} + 3 x^{6} + 7 x^{5} + x^{4} + 3 x^{3} + x^{2} + 3 x + 1) / ((x^{2} - x + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2})$$

Sequence: A313975
Score: 6.30078
Type of gen. func.: ogf

$$\frac{(x^{2} + x + 1) (x^{4} + 3 x^{3} + x^{2} + 3 x + 1)}{(x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A313975
Score: 7.65578
Type of gen. func.: ogf

$$\frac{(x^{2} + x + 1) (x^{4} + 3 x^{3} + x^{2} + 3 x + 1)}{(x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A313977
Score: 4.36803
Type of gen. func.: ogf

$$-\left(x^{12}-3x^{10}-3x^{9}-5x^{8}-8x^{7}-4x^{6}-6x^{5}-5x^{4}-7x^{3}-5x^{2}-4x-1\right) \Big/ \left((x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2}\right)$$

Sequence: A313977
Score: 5.23521
Type of gen. func.: ogf

$$-\left(x^{12}-3x^{10}-3x^{9}-5x^{8}-8x^{7}-4x^{6}-6x^{5}-5x^{4}-7x^{3}-5x^{2}-4x-1\right) \Big/ \left((x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2}\right)$$

Sequence: A313979
Score: 4.8047
Type of gen. func.: ogf

$$\frac{(x^{8}+4x^{7}+4x^{6}+3x^{5}+x^{4}+3x^{3}+4x^{2}+4x+1)(x^{2}+1)}{(x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2}}$$

Sequence: A313979
Score: 5.63701
Type of gen. func.: ogf

$$\frac{(x^{8}+4x^{7}+4x^{6}+3x^{5}+x^{4}+3x^{3}+4x^{2}+4x+1)(x^{2}+1)}{(x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2}}$$

Sequence: A313982
Score: 4.93724
Type of gen. func.: ogf

$$(x^{2}+x+1)(x^{6}+3x^{5}+x^{4}+3x^{3}+x^{2}+3x+1)$$

$$\overline{\qquad\qquad\qquad\qquad\qquad\qquad}$$
$$(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2$$

Sequence: A313982
Score: 6.56789
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)\,(x^6 + 3\,x^5 + x^4 + 3\,x^3 + x^2 + 3\,x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A313984
Score: 3.43956
Type of gen. func.: ogf

$$- (x^{17} + x^{13} - 2\,x^{12} - 6\,x^{11} - 11\,x^{10} - 17\,x^9 - 24\,x^8 - 27\,x^7 - 31\,x^6 - 26\,x^5 - 23\,x^4 - 17\,x^3 - 10\,x^2 - 5\,x - 1) \Big/ ((x - 1)^2\,(x + 1)^2\,(x^2 + x + 1)^2\,(x^2 - x + 1)^2)$$

Sequence: A313984
Score: 4.23802
Type of gen. func.: ogf

$$- (x^{17} + x^{13} - 2\,x^{12} - 6\,x^{11} - 11\,x^{10} - 17\,x^9 - 24\,x^8 - 27\,x^7 - 31\,x^6 - 26\,x^5 - 23\,x^4 - 17\,x^3 - 10\,x^2 - 5\,x - 1) \Big/ ((x - 1)^2\,(x + 1)^2\,(x^2 + x + 1)^2\,(x^2 - x + 1)^2)$$

Sequence: A313986
Score: 3.99944
Type of gen. func.: ogf

$$(x^{10} + 4\,x^9 + 6\,x^8 + 11\,x^7 + 11\,x^6 + 12\,x^5 + 11\,x^4 + 11\,x^3 + 6\,x^2 + 4\,x + 1) \Big/ ((x^2 + 1)\,(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2)$$

/

Sequence: A313986
Score: 4.36524
Type of gen. func.: ogf

$$(x^{10} + 4 x^9 + 6 x^8 + 11 x^7 + 11 x^6 + 12 x^5 + 11 x^4 + 11 x^3 + 6 x^2 + 4 x + 1) / ((x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A313992
Score: 4.21474
Type of gen. func.: ogf

$$- (x^{13} - 2 x^{10} - 5 x^9 - 11 x^8 - 8 x^7 - 10 x^6 - 15 x^5 - 10 x^4 - 8 x^3 - 10 x^2 - 5 x - 1) / ((x^2 + 1) (x^4 + 1) (x + 1)^2 (x - 1)^2)$$

Sequence: A313992
Score: 4.88328
Type of gen. func.: ogf

$$- (x^{13} - 2 x^{10} - 5 x^9 - 11 x^8 - 8 x^7 - 10 x^6 - 15 x^5 - 10 x^4 - 8 x^3 - 10 x^2 - 5 x - 1) / ((x^2 + 1) (x^4 + 1) (x + 1)^2 (x - 1)^2)$$

Sequence: A313993
Score: 4.79625
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 4 x^8 + 3 x^7 + 7 x^6 + 7 x^5 + 7 x^4 + 3 x^3 + 4 x^2 + 3 x + 1}{(x - 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2}$$

Sequence: A313997
Score: 3.72672

Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 4 x^{10} + 3 x^9 + 10 x^8 + 6 x^7 + 7 x^6 + 6 x^5 + 10 x^4 + 3 x^3 + 4 x^2 + 3 x + 1) (x + 1)^2 / ((x^4 + 1) (x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A314000
Score: 4.16367
Type of gen. func.: ogf

$$- (x^{14} + x^{11} - 2 x^{10} - 6 x^9 - 12 x^8 - 15 x^7 - 22 x^6 - 25 x^5 - 21 x^4 - 14 x^3 - 11 x^2 - 5 x - 1) / ((x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A314000
Score: 4.81073
Type of gen. func.: ogf

$$- (x^{14} + x^{11} - 2 x^{10} - 6 x^9 - 12 x^8 - 15 x^7 - 22 x^6 - 25 x^5 - 21 x^4 - 14 x^3 - 11 x^2 - 5 x - 1) / ((x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A314015
Score: 6.05193
Type of gen. func.: ogf

$$\frac{x^6 + 3 x^5 + 3 x^4 + x^3 + 3 x^2 + 3 x + 1}{(x^2 - x + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A314015
Score: 6.26616
Type of gen. func.: ogf

$$\frac{x^6 + 3 x^5 + 3 x^4 + x^3 + 3 x^2 + 3 x + 1}{(x^2 - x + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A314018
Score: 3.23631
Type of gen. func.: ogf

$$-(x^{16} - x^{15} + x^{14} - x^{13} - 4x^{11} - 4x^{10} - 5x^{9} - 7x^{8} - 8x^{7} - 10x^{6} - 8x^{5} - 7x^{4} - 4x^{3} - 4x^{2} - 3x - 1)(x + 1)^{2} \Big/ \left((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2}\right)$$

Sequence: A314019
Score: 3.35049
Type of gen. func.: ogf

$$(x^{12} + 4x^{11} + 6x^{10} + 4x^{9} + 5x^{8} + 4x^{7} + 4x^{6} + 4x^{5} + 5x^{4} + 4x^{3} + 6x^{2} + 4x + 1) \Big/ \left((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)(x - 1)^{2}\right)$$

Sequence: A314019
Score: 4.79625
Type of gen. func.: ogf

$$(x^{12} + 4x^{11} + 6x^{10} + 4x^{9} + 5x^{8} + 4x^{7} + 4x^{6} + 4x^{5} + 5x^{4} + 4x^{3} + 6x^{2} + 4x + 1) \Big/ \left((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)(x - 1)^{2}\right)$$

Sequence: A314020
Score: 4.02379
Type of gen. func.: ogf

$$x^{10} + 3x^{9} + 3x^{8} + x^{7} + 4x^{6} + 4x^{4} + x^{3} + 3x^{2} + 3x + 1$$

----

4 3 2 4 3 2 2

$$(x + x + x + x + 1) (x - x + x - x + 1) (x - 1)$$

Sequence: A314020
Score: 4.14214
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 3 x^8 + x^7 + 4 x^6 + 4 x^4 + x^3 + 3 x^2 + 3 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A314021
Score: 4.69443
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 6 x^8 + 4 x^7 + 5 x^6 + 4 x^5 + 5 x^4 + 4 x^3 + 6 x^2 + 4 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A314021
Score: 5.54460
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 6 x^8 + 4 x^7 + 5 x^6 + 4 x^5 + 5 x^4 + 4 x^3 + 6 x^2 + 4 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A314022
Score: 4.45331
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^9 - x^7 + 5 x^6 - 4 x^5 + 5 x^4 - x^3 + 2 x + 1}{(x^2 + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A314022
Score: 4.72051
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^{9} - x^{7} + 5 x^{6} - 4 x^{5} + 5 x^{4} - x^{3} + 2 x + 1}{(x^{2} + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A314024
Score: 4.24195
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + 6 x^{8} + 3 x^{7} + x^{6} - x^{5} + x^{4} + 3 x^{3} + 6 x^{2} + 4 x + 1}{(x^{2} + x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A314024
Score: 4.42870
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + 6 x^{8} + 3 x^{7} + x^{6} - x^{5} + x^{4} + 3 x^{3} + 6 x^{2} + 4 x + 1}{(x^{2} + x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A314025
Score: 3.36921
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 6 x^{10} + 4 x^{9} + 5 x^{8} + 5 x^{7} + 4 x^{6} + 5 x^{5} + 5 x^{4} + 4 x^{3} + 6 x^{2} + 4 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A314025
Score: 4.82304
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 6 x^{10} + 4 x^{9} + 5 x^{8} + 5 x^{7} + 4 x^{6} + 5 x^{5} + 5 x^{4} + 4 x^{3} + 6 x^{2} + 4 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)$$

$(x - 1)^2)$

Sequence: A314026
Score: 6.49611
Type of gen. func.: ogf

$$\frac{x^6 + 3x^5 + 2x^4 - 2x^3 + 2x^2 + 3x + 1}{(x - 1)^2 (x^4 + 1)}$$

Sequence: A314026
Score: 7.95591
Type of gen. func.: ogf

$$\frac{x^6 + 3x^5 + 2x^4 - 2x^3 + 2x^2 + 3x + 1}{(x - 1)^2 (x^4 + 1)}$$

Sequence: A314027
Score: 3.97796
Type of gen. func.: ogf

$$\frac{x^{10} + 3x^9 + 3x^8 + x^7 + 4x^6 + x^5 + 4x^4 + x^3 + 3x^2 + 3x + 1}{(x^4 + x^3 + x^2 + x + 1)(x^4 - x^3 + x^2 - x + 1)(x - 1)^2}$$

Sequence: A314028
Score: 4.16515
Type of gen. func.: ogf

$$\frac{x^{10} + 3x^9 + 2x^8 - 2x^7 + 2x^6 + 3x^5 + 2x^4 - 2x^3 + 2x^2 + 3x + 1}{(x - 1)^2 (x^2 + x + 1)(x^2 - x + 1)(x^4 - x^2 + 1)}$$

Sequence: A314028
Score: 4.23998
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^{9} + 2 x^{8} - 2 x^{7} + 2 x^{6} + 3 x^{5} + 2 x^{4} - 2 x^{3} + 2 x^{2} + 3 x + 1}{(x - 1)^{2} (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1)}$$

Sequence: A314029
Score: 3.38792
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 6 x^{10} + 4 x^{9} + 5 x^{8} + 5 x^{7} + 6 x^{6} + 5 x^{5} + 5 x^{4} + 4 x^{3} + 6 x^{2} + 4 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A314029
Score: 4.84984
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 6 x^{10} + 4 x^{9} + 5 x^{8} + 5 x^{7} + 6 x^{6} + 5 x^{5} + 5 x^{4} + 4 x^{3} + 6 x^{2} + 4 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A314031
Score: 4.48149
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + 6 x^{8} + 3 x^{7} + x^{6} + x^{4} + 3 x^{3} + 6 x^{2} + 4 x + 1}{(x^{2} + 1) (x^{2} + x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A314031
Score: 4.68925
Type of gen. func.: ogf

$$x^{10} + 4 x^{9} + 6 x^{8} + 3 x^{7} + x^{6} + x^{4} + 3 x^{3} + 6 x^{2} + 4 x + 1$$

$$\overline{(x^2+1)\,(x^2+x+1)\,(x^4-x^2+1)\,(x-1)^2}$$

Sequence: A314032
Score: 3.7865
Type of gen. func.: ogf

$$\frac{(x^{10}+2x^9+x^8+4x^6-2x^5+4x^4+x^2+2x+1)\,(x+1)^2}{(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)\,(x-1)^2}$$

Sequence: A314032
Score: 4.84984
Type of gen. func.: ogf

$$\frac{(x^{10}+2x^9+x^8+4x^6-2x^5+4x^4+x^2+2x+1)\,(x+1)^2}{(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)\,(x-1)^2}$$

Sequence: A314033
Score: 4.54299
Type of gen. func.: ogf

$$\frac{x^{12}+2x^{11}-x^9+6x^8-x^6+6x^4-x^3+2x+1}{(x^2+x+1)\,(x^4-x^2+1)\,(x-1)^2\,(x^2-x+1)}$$

Sequence: A314034
Score: 4.72051
Type of gen. func.: ogf

$$\frac{x^{10}+4x^9+6x^8+4x^7+5x^6+6x^5+5x^4+4x^3+6x^2+4x+1}{(x^2+x+1)\,(x^6+x^3+1)\,(x-1)^2}$$

Sequence: A314034
Score: 5.57540
Type of gen. func.: ogf

$$\frac{x^{10}+4x^{9}+6x^{8}+4x^{7}+5x^{6}+6x^{5}+5x^{4}+4x^{3}+6x^{2}+4x+1}{(x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2}}$$

Sequence: A314038
Score: 3.38792
Type of gen. func.: ogf

$$(x^{12}+4x^{11}+6x^{10}+4x^{9}+6x^{8}+4x^{7}+6x^{6}+4x^{5}+6x^{4}+4x^{3}+6x^{2}+4x+1)\bigg/\left((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}\right)$$

Sequence: A314038
Score: 4.84984
Type of gen. func.: ogf

$$(x^{12}+4x^{11}+6x^{10}+4x^{9}+6x^{8}+4x^{7}+6x^{6}+4x^{5}+6x^{4}+4x^{3}+6x^{2}+4x+1)\bigg/\left((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}\right)$$

Sequence: A314039
Score: 4.72051
Type of gen. func.: ogf

$$\frac{x^{10}+4x^{9}+6x^{8}+4x^{7}+6x^{6}+4x^{5}+6x^{4}+4x^{3}+6x^{2}+4x+1}{(x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2}}$$

Sequence: A314039
Score: 5.57540
Type of gen. func.: ogf

10 9 8 7 6 5 4 3 2

$$\frac{x + 4 x + 6 x + 4 x + 6 x + 4 x + 6 x + 4 x + 6 x + 4 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A314040
Score: 5.02182
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 6 x^6 + 4 x^5 + 6 x^4 + 4 x^3 + 6 x^2 + 4 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314040
Score: 6.49611
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 6 x^6 + 4 x^5 + 6 x^4 + 4 x^3 + 6 x^2 + 4 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314041
Score: 3.74731
Type of gen. func.: ogf

$$(x^{14} + 3 x^{13} + 2 x^{12} - 2 x^{11} + 2 x^{10} - 2 x^9 + 3 x^8 + 2 x^7 + 3 x^6 - 2 x^5 + 2 x^4 - 2 x^3 + 2 x^2 + 3 x + 1) \Big/ ((x^6 + x^3 + 1) (x^6 - x^3 + 1) (x - 1)^2)$$

Sequence: A314043
Score: 3.47096
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 3 x^{10} + x^9 + 5 x^8 - x^7 + 7 x^6 - x^5 + 5 x^4 + x^3 + 3 x^2 + 3 x + 1) \Big/ ((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2)$$

Sequence: A314046
Score: 3.63259
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 2 x^{10} - 2 x^{9} + 2 x^{8} - x^{7} + 6 x^{6} - x^{5} + 2 x^{4} - 2 x^{3} + 2 x^{2} + 3 x + 1) \Big/ ((x^{2} + x + 1) (x^{8} - x^{7} + x^{5} - x^{4} + x^{3} - x + 1) (x - 1)^{2})$$

Sequence: A314047
Score: 3.76636
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 3 x^{10} + 2 x^{9} + 8 x^{8} + 2 x^{7} + 9 x^{6} + 2 x^{5} + 8 x^{4} + 2 x^{3} + 3 x^{2} + 3 x + 1) \Big/ ((x^{2} + x + 1) (x^{2} - x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2})$$

Sequence: A314047
Score: 3.95573
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 3 x^{10} + 2 x^{9} + 8 x^{8} + 2 x^{7} + 9 x^{6} + 2 x^{5} + 8 x^{4} + 2 x^{3} + 3 x^{2} + 3 x + 1) \Big/ ((x^{2} + x + 1) (x^{2} - x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2})$$

Sequence: A314048
Score: 4.26552
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + 6 x^{8} + 3 x^{7} + 2 x^{6} - x^{5} + 2 x^{4} + 3 x^{3} + 6 x^{2} + 4 x + 1}{(x^{2} + x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1) (x - 1)}$$

Sequence: A314048
Score: 4.45331
Type of gen. func.: ogf

$$x^{10} + 4 x^{9} + 6 x^{8} + 3 x^{7} + 2 x^{6} - x^{5} + 2 x^{4} + 3 x^{3} + 6 x^{2} + 4 x + 1$$

$$(x^2 + x + 1)\,(x^2 + 1)\,(x^4 - x^2 + 1)\,(x - 1)^2$$

Sequence: A314049
Score: 6.49611
Type of gen. func.: ogf

$$\frac{x^6 + 4\,x^5 + 6\,x^4 + 4\,x^3 + 6\,x^2 + 4\,x + 1}{(x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A314049
Score: 7.61372
Type of gen. func.: ogf

$$\frac{x^6 + 4\,x^5 + 6\,x^4 + 4\,x^3 + 6\,x^2 + 4\,x + 1}{(x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A314051
Score: 4.72051
Type of gen. func.: ogf

$$\frac{x^{10} + 4\,x^9 + 6\,x^8 + 4\,x^7 + 6\,x^6 + 5\,x^5 + 6\,x^4 + 4\,x^3 + 6\,x^2 + 4\,x + 1}{(x^2 + x + 1)\,(x^6 + x^3 + 1)\,(x - 1)^2}$$

Sequence: A314051
Score: 5.57540
Type of gen. func.: ogf

$$\frac{x^{10} + 4\,x^9 + 6\,x^8 + 4\,x^7 + 6\,x^6 + 5\,x^5 + 6\,x^4 + 4\,x^3 + 6\,x^2 + 4\,x + 1}{(x^2 + x + 1)\,(x^6 + x^3 + 1)\,(x - 1)^2}$$

Sequence: A314052
Score: 3.40664
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 6 x^{10} + 4 x^9 + 6 x^8 + 5 x^7 + 6 x^6 + 5 x^5 + 6 x^4 + 4 x^3 + 6 x^2 + 4 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A314052
Score: 4.87663
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 6 x^{10} + 4 x^9 + 6 x^8 + 5 x^7 + 6 x^6 + 5 x^5 + 6 x^4 + 4 x^3 + 6 x^2 + 4 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A314054
Score: 4.18817
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 2 x^8 - 2 x^7 + 3 x^6 + 2 x^5 + 3 x^4 - 2 x^3 + 2 x^2 + 3 x + 1}{(x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A314054
Score: 4.26340
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 2 x^8 - 2 x^7 + 3 x^6 + 2 x^5 + 3 x^4 - 2 x^3 + 2 x^2 + 3 x + 1}{(x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A314055
Score: 3.20396
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 11 x^{10} + 15 x^9 + 21 x^8 + 25 x^7 + 28 x^6 + 25 x^5 + 21 x^4 + 15 x^3$$

$$+ 11 x^2 + 5 x + 1) \Big/ ((x^4 + x^3 + x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A314055
Score: 4.48149
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 11 x^{10} + 15 x^9 + 21 x^8 + 25 x^7 + 28 x^6 + 25 x^5 + 21 x^4 + 15 x^3 + 11 x^2 + 5 x + 1) \Big/ ((x^4 + x^3 + x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A314056
Score: 4.75219
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + 3 x^6 + x^5 + 5 x^4 + x^3 + 3 x^2 + 3 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A314056
Score: 5.85187
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + 3 x^6 + x^5 + 5 x^4 + x^3 + 3 x^2 + 3 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A314057
Score: 3.40664
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 6 x^{10} + 4 x^9 + 6 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 6 x^4 + 4 x^3 + 6 x^2 + 4 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)$$

$$/\ (x - 1)^2)$$

Sequence: A314057
Score: 4.87663
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 6 x^{10} + 4 x^9 + 6 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 6 x^4 + 4 x^3 + 6 x^2 + 4 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A314059
Score: 3.35843
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 4 x^{10} + 4 x^9 + 8 x^8 + 2 x^7 + 9 x^6 + 2 x^5 + 8 x^4 + 4 x^3 + 4 x^2 + 3 x + 1) \Big/ ((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A314060
Score: 4.50625
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 6 x^8 + 3 x^7 + 2 x^6 + 2 x^4 + 3 x^3 + 6 x^2 + 4 x + 1}{(x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A314060
Score: 4.71515
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 6 x^8 + 3 x^7 + 2 x^6 + 2 x^4 + 3 x^3 + 6 x^2 + 4 x + 1}{\quad {}^2 \qquad {}^2 \qquad {}^4 \quad {}^2 \qquad {}^2}$$

$$(x + x + 1) (x + 1) (x - x + 1) (x - 1)$$

Sequence: A314061
Score: 4.50625
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 6 x^8 + 4 x^7 + 7 x^6 + 9 x^5 + 7 x^4 + 4 x^3 + 6 x^2 + 4 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A314061
Score: 4.71515
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 6 x^8 + 4 x^7 + 7 x^6 + 9 x^5 + 7 x^4 + 4 x^3 + 6 x^2 + 4 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A314065
Score: 3.22167
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 11 x^{10} + 15 x^9 + 22 x^8 + 25 x^7 + 26 x^6 + 25 x^5 + 22 x^4 + 15 x^3 + 11 x^2 + 5 x + 1) / ((x^4 + x^3 + x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A314065
Score: 4.50625
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 11 x^{10} + 15 x^9 + 22 x^8 + 25 x^7 + 26 x^6 + 25 x^5 + 22 x^4 + 15 x^3 + 11 x^2 + 5 x + 1) / ((x^4 + x^3 + x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A314066
Score: 5.35329
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 5 x^6 - x^5 - 2 x^4 - x^3 + 5 x^2 + 4 x + 1}{(x^2 + x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A314067
Score: 4.77844
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + 2 x^6 - x^5 + 6 x^4 - x^3 + 2 x^2 + 3 x + 1}{(x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A314067
Score: 6.30078
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + 2 x^6 - x^5 + 6 x^4 - x^3 + 2 x^2 + 3 x + 1}{(x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A314068
Score: 5.014
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 7 x^6 + 8 x^5 + 13 x^4 + 8 x^3 + 7 x^2 + 4 x + 1}{(x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314068
Score: 5.01400
Type of gen. func.: ogf

$$x^8 + 4 x^7 + 7 x^6 + 8 x^5 + 13 x^4 + 8 x^3 + 7 x^2 + 4 x + 1$$

$$(x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^2$$

Sequence: A314069
Score: 3.0956
Type of gen. func.: ogf

$$(x^{14} + 3 x^{13} + 3 x^{12} + x^{11} + 7 x^{10} + 2 x^9 + 8 x^8 + 3 x^7 + 8 x^6 + 2 x^5 + 7 x^4 + x^3 + 3 x^2 + 3 x + 1) / ((x^4 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A314070
Score: 4.13947
Type of gen. func.: ogf

$$\frac{x^{12} + 3 x^{11} + 3 x^{10} + 3 x^8 - 4 x^7 + 4 x^6 - 4 x^5 + 3 x^4 + 3 x^2 + 3 x + 1}{(x^2 + x + 1) (x^2 - x + 1) (x^6 - x^3 + 1) (x - 1)^2}$$

Sequence: A314078
Score: 3.74817
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^{10} + 4 x^9 + 5 x^8 + 2 x^6 + 7 x^5 + 2 x^4 + 5 x^2 + 4 x + 1)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314078
Score: 4.90342
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^{10} + 4 x^9 + 5 x^8 + 2 x^6 + 7 x^5 + 2 x^4 + 5 x^2 + 4 x + 1)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314079
Score: 4.02191
Type of gen. func.: ogf

$$(x^{14} + 5 x^{13} + 11 x^{12} + 15 x^{11} + 23 x^{10} + 26 x^{9} + 30 x^{8} + 30 x^{7} + 30 x^{6} + 26 x^{5} + 23 x^{4} + 15 x^{3} + 11 x^{2} + 5 x + 1) / ((x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2})$$

Sequence: A314085
Score: 4.82932
Type of gen. func.: ogf

$$\frac{(x^{8} + 2 x^{7} + x^{6} - x^{4} + x^{2} + 2 x + 1) (x + 1)^{2}}{(x^{2} + x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A314085
Score: 4.89687
Type of gen. func.: ogf

$$\frac{(x^{8} + 2 x^{7} + x^{6} - x^{4} + x^{2} + 2 x + 1) (x + 1)^{2}}{(x^{2} + x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A314086
Score: 3.60955
Type of gen. func.: ogf

$$\frac{(x^{6} + 2 x^{5} + 2 x^{4} + 3 x^{3} + 2 x^{2} + 2 x + 1) (x^{4} - x^{2} + 1) (x + 1)^{2}}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A314086
Score: 4.79625
Type of gen. func.: ogf

$$(x^{6} + 2 x^{5} + 2 x^{4} + 3 x^{3} + 2 x^{2} + 2 x + 1) (x^{4} - x^{2} + 1) (x + 1)^{2}$$

$$\overline{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314087
Score: 4.26766
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^6 - x^4 + 2 x^3 - x^2 + 1) (x + 1)^2}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A314088
Score: 4.8563
Type of gen. func.: ogf

$$\frac{(x^8 + 2 x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + 2 x + 1) (x + 1)^2}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A314088
Score: 5.54460
Type of gen. func.: ogf

$$\frac{(x^8 + 2 x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + 2 x + 1) (x + 1)^2}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A314089
Score: 3.45178
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 3 x^{10} + 2 x^9 + 2 x^8 + 2 x^7 + 3 x^6 + 2 x^5 + 2 x^4 + 2 x^3 + 3 x^2 + 3 x + 1) \Big/ ((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2)$$

Sequence: A314090
Score: 4.75219

Type of gen. func.: ogf

$$\frac{(x^{6}+x^{5}+x^{3}+x+1)\,(x+1)^{2}}{(x^{4}+1)\,(x^{2}+1)\,(x-1)^{2}}$$

Sequence: A314090
Score: 7.01066
Type of gen. func.: ogf

$$\frac{(x^{6}+x^{5}+x^{3}+x+1)\,(x+1)^{2}}{(x^{4}+1)\,(x^{2}+1)\,(x-1)^{2}}$$

Sequence: A314091
Score: 4.69443
Type of gen. func.: ogf

$$\frac{x^{10}+4\,x^{9}+6\,x^{8}+4\,x^{7}-x^{5}+4\,x^{3}+6\,x^{2}+4\,x+1}{(x^{2}+1)\,(x^{2}+x+1)\,(x^{4}-x^{2}+1)\,(x-1)^{2}}$$

Sequence: A314091
Score: 4.92422
Type of gen. func.: ogf

$$\frac{x^{10}+4\,x^{9}+6\,x^{8}+4\,x^{7}-x^{5}+4\,x^{3}+6\,x^{2}+4\,x+1}{(x^{2}+1)\,(x^{2}+x+1)\,(x^{4}-x^{2}+1)\,(x-1)^{2}}$$

Sequence: A314092
Score: 3.36921
Type of gen. func.: ogf

$$(x^{12}+4\,x^{11}+6\,x^{10}+5\,x^{9}+4\,x^{8}+5\,x^{7}+4\,x^{6}+5\,x^{5}+4\,x^{4}+5\,x^{3}+6\,x^{2}+4\,x+1) \Big/ ((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)$$

2

$(x - 1)\,)$

Sequence: A314092
Score: 4.82304
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 6 x^{10} + 5 x^9 + 4 x^8 + 5 x^7 + 4 x^6 + 5 x^5 + 4 x^4 + 5 x^3 + 6 x^2 + 4 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A314093
Score: 7.01065
Type of gen. func.: ogf

$$\frac{x^6 + 2 x^5 - x^3 + 2 x + 1}{(x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A314093
Score: 7.61372
Type of gen. func.: ogf

$$\frac{x^6 + 2 x^5 - x^3 + 2 x + 1}{(x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A314094
Score: 3.47096
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 3 x^{10} + 2 x^9 + 2 x^8 + 3 x^7 + 2 x^6 + 3 x^5 + 2 x^4 + 2 x^3 + 3 x^2 + 3 x + 1) \Big/ ((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2)$$

Sequence: A314095
Score: 3.48806
Type of gen. func.: ogf

$$\frac{(x^{10} + 2 x^{9} + x^{8} + x^{7} + x^{6} + 2 x^{5} + x^{4} + x^{3} + x^{2} + 2 x + 1) (x + 1)^{2}}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A314095
Score: 4.84984
Type of gen. func.: ogf

$$\frac{(x^{10} + 2 x^{9} + x^{8} + x^{7} + x^{6} + 2 x^{5} + x^{4} + x^{3} + x^{2} + 2 x + 1) (x + 1)^{2}}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A314096
Score: 5.02182
Type of gen. func.: ogf

$$\frac{(x^{2} + x + 1) (x^{4} + x^{3} - x^{2} + x + 1) (x + 1)^{2}}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A314096
Score: 6.49611
Type of gen. func.: ogf

$$\frac{(x^{2} + x + 1) (x^{4} + x^{3} - x^{2} + x + 1) (x + 1)^{2}}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A314097
Score: 4.75219
Type of gen. func.: ogf

$$\frac{x^{8} + 3 x^{7} + 4 x^{6} + 5 x^{5} + 5 x^{4} + 5 x^{3} + 4 x^{2} + 3 x + 1}{(x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A314097
Score: 4.88328
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + 4 x^6 + 5 x^5 + 5 x^4 + 5 x^3 + 4 x^2 + 3 x + 1}{(x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A314098
Score: 6.05193
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 5 x^6 - 5 x^4 + 5 x^2 + 4 x + 1}{(x^2 + x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A314099
Score: 4.62795
Type of gen. func.: ogf

$$\frac{(x^4 + x^3 - 2 x^2 + x + 1) (x^6 + 3 x^5 + 5 x^4 + 5 x^3 + 5 x^2 + 3 x + 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A314099
Score: 5.57540
Type of gen. func.: ogf

$$\frac{(x^4 + x^3 - 2 x^2 + x + 1) (x^6 + 3 x^5 + 5 x^4 + 5 x^3 + 5 x^2 + 3 x + 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A314100
Score: 3.97796
Type of gen. func.: ogf

$$x^{10} + 3 x^9 + 3 x^8 + 2 x^7 + 2 x^6 + 4 x^5 + 2 x^4 + 2 x^3 + 3 x^2 + 3 x + 1$$

$$(x^4 + x^3 + x^2 + x + 1)\,(x^4 - x^3 + x^2 - x + 1)\,(x - 1)^2$$

Sequence: A314103
Score: 3.22167
Type of gen. func.: ogf

$$(x^{14} + 3 x^{13} + 2 x^{12} + 3 x^{10} + 7 x^9 + 4 x^8 - 3 x^7 + 4 x^6 + 7 x^5 + 3 x^4 + 2 x^2 + 3 x + 1) \Big/ ((x^2 - x + 1)\,(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\,(x^4 - x^2 + 1)\,(x - 1)^2)$$

Sequence: A314106
Score: 3.38792
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 6 x^{10} + 5 x^9 + 5 x^8 + 4 x^7 + 6 x^6 + 4 x^5 + 5 x^4 + 5 x^3 + 6 x^2 + 4 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2)$$

Sequence: A314106
Score: 4.84984
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 6 x^{10} + 5 x^9 + 5 x^8 + 4 x^7 + 6 x^6 + 4 x^5 + 5 x^4 + 5 x^3 + 6 x^2 + 4 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2)$$

Sequence: A314107
Score: 3.47096
Type of gen. func.: ogf

12 11 10 9 8 7 6 5 4 3 2

$$(x + 3 x + 3 x + 2 x + 3 x + x + 5 x + x + 3 x + 2 x + 3 x + 3 x + 1) / ((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2)$$

Sequence: A314108
Score: 4.14214
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 2 x^8 - x^7 + x^6 + 3 x^5 + x^4 - x^3 + 2 x^2 + 3 x + 1}{(x - 1)^2 (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1)}$$

Sequence: A314108
Score: 4.21655
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 2 x^8 - x^7 + x^6 + 3 x^5 + x^4 - x^3 + 2 x^2 + 3 x + 1}{(x - 1)^2 (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1)}$$

Sequence: A314109
Score: 3.63116
Type of gen. func.: ogf

$$\frac{(x^{10} + 2 x^9 + x^8 + x^7 + 2 x^6 + 2 x^4 + x^3 + x^2 + 2 x + 1) (x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314109
Score: 4.84984
Type of gen. func.: ogf

$$\frac{(x^{10} + 2 x^9 + x^8 + x^7 + 2 x^6 + 2 x^4 + x^3 + x^2 + 2 x + 1) (x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314110

Score: 4.26552
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 6 x^8 + 4 x^7 + x^6 - x^5 + x^4 + 4 x^3 + 6 x^2 + 4 x + 1}{(x^2 + 1) (x^2 + x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A314110
Score: 4.45331
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 6 x^8 + 4 x^7 + x^6 - x^5 + x^4 + 4 x^3 + 6 x^2 + 4 x + 1}{(x^2 + 1) (x^2 + x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A314111
Score: 3.97796
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 3 x^8 + 2 x^7 + 3 x^6 + 2 x^5 + 3 x^4 + 2 x^3 + 3 x^2 + 3 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A314112
Score: 4.77844
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + 3 x^6 + 2 x^5 + 3 x^4 + 2 x^3 + 3 x^2 + 3 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A314112
Score: 5.8842
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + 3 x^6 + 2 x^5 + 3 x^4 + 2 x^3 + 3 x^2 + 3 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A314117
Score: 3.40664
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 6 x^{10} + 5 x^9 + 5 x^8 + 5 x^7 + 6 x^6 + 5 x^5 + 5 x^4 + 5 x^3 + 6 x^2 + 4 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A314117
Score: 4.87663
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 6 x^{10} + 5 x^9 + 5 x^8 + 5 x^7 + 6 x^6 + 5 x^5 + 5 x^4 + 5 x^3 + 6 x^2 + 4 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A314120
Score: 5.014
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 7 x^6 + 9 x^5 + 11 x^4 + 9 x^3 + 7 x^2 + 4 x + 1}{(x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314120
Score: 5.01400
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 7 x^6 + 9 x^5 + 11 x^4 + 9 x^3 + 7 x^2 + 4 x + 1}{(x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314121
Score: 4.13947
Type of gen. func.: ogf

$$\frac{x^{12} + 3 x^{11} + 3 x^{10} + x^{9} - x^{7} + 2 x^{6} - x^{5} + x^{3} + 3 x^{2} + 3 x + 1}{(x^{2} + x + 1) (x^{2} - x + 1) (x^{6} - x^{3} + 1) (x - 1)^{2}}$$

Sequence: A314124
Score: 3.49014
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 3 x^{10} + 2 x^{9} + 3 x^{8} + 2 x^{7} + 4 x^{6} + 2 x^{5} + 3 x^{4} + 2 x^{3} + 3 x^{2} + 3 x + 1) / ((x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2})$$

Sequence: A314127
Score: 3.40664
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 6 x^{10} + 5 x^{9} + 5 x^{8} + 6 x^{7} + 4 x^{6} + 6 x^{5} + 5 x^{4} + 5 x^{3} + 6 x^{2} + 4 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A314127
Score: 4.87663
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 6 x^{10} + 5 x^{9} + 5 x^{8} + 6 x^{7} + 4 x^{6} + 6 x^{5} + 5 x^{4} + 5 x^{3} + 6 x^{2} + 4 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A314133
Score: 3.50733

Type of gen. func.: ogf

$$\frac{(x^{10} + 2 x^9 + x^8 + x^7 + 2 x^6 + x^5 + 2 x^4 + x^3 + x^2 + 2 x + 1) (x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314133
Score: 4.87663
Type of gen. func.: ogf

$$\frac{(x^{10} + 2 x^9 + x^8 + x^7 + 2 x^6 + x^5 + 2 x^4 + x^3 + x^2 + 2 x + 1) (x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314134
Score: 3.49014
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 3 x^{10} + 2 x^9 + 3 x^8 + 3 x^7 + 3 x^6 + 3 x^5 + 3 x^4 + 2 x^3 + 3 x^2 + 3 x + 1) / ((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2)$$

Sequence: A314135
Score: 3.99993
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 3 x^8 + 3 x^7 + 6 x^6 + 6 x^5 + 6 x^4 + 3 x^3 + 3 x^2 + 3 x + 1}{(x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314135
Score: 4.47791
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 3 x^8 + 3 x^7 + 6 x^6 + 6 x^5 + 6 x^4 + 3 x^3 + 3 x^2 + 3 x + 1}{(x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314140
Score: 3.40664
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 6 x^{10} + 5 x^{9} + 6 x^{8} + 4 x^{7} + 6 x^{6} + 4 x^{5} + 6 x^{4} + 5 x^{3} + 6 x^{2} + 4 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A314140
Score: 4.87663
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 6 x^{10} + 5 x^{9} + 6 x^{8} + 4 x^{7} + 6 x^{6} + 4 x^{5} + 6 x^{4} + 5 x^{3} + 6 x^{2} + 4 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A314141
Score: 5.35329
Type of gen. func.: ogf

$$\frac{x^{8} + 3 x^{7} + 2 x^{6} + 4 x^{4} + 2 x^{2} + 3 x + 1}{(x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A314141
Score: 7.34008
Type of gen. func.: ogf

$$\frac{x^{8} + 3 x^{7} + 2 x^{6} + 4 x^{4} + 2 x^{2} + 3 x + 1}{(x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A314142
Score: 4.28909
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 6 x^8 + 4 x^7 + 2 x^6 - 2 x^5 + 2 x^4 + 4 x^3 + 6 x^2 + 4 x + 1}{(x^2 + 1) (x^2 + x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A314142
Score: 4.47791
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 6 x^8 + 4 x^7 + 2 x^6 - 2 x^5 + 2 x^4 + 4 x^3 + 6 x^2 + 4 x + 1}{(x^2 + 1) (x^2 + x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A314144
Score: 4.18817
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 2 x^8 - x^7 + 2 x^6 + 2 x^5 + 2 x^4 - x^3 + 2 x^2 + 3 x + 1}{(x - 1)^2 (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1)}$$

Sequence: A314144
Score: 4.26340
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 2 x^8 - x^7 + 2 x^6 + 2 x^5 + 2 x^4 - x^3 + 2 x^2 + 3 x + 1}{(x - 1)^2 (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1)}$$

Sequence: A314145
Score: 6.532
Type of gen. func.: ogf

$$\frac{x^6 + 4 x^5 + 6 x^4 + 5 x^3 + 6 x^2 + 4 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314145
Score: 7.65578
Type of gen. func.: ogf

$$\frac{x^6 + 4 x^5 + 6 x^4 + 5 x^3 + 6 x^2 + 4 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314148
Score: 5.04956
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 6 x^6 + 5 x^5 + 6 x^4 + 5 x^3 + 6 x^2 + 4 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314148
Score: 6.53200
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 6 x^6 + 5 x^5 + 6 x^4 + 5 x^3 + 6 x^2 + 4 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314149
Score: 3.40664
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 6 x^{10} + 5 x^9 + 6 x^8 + 5 x^7 + 6 x^6 + 5 x^5 + 6 x^4 + 5 x^3 + 6 x^2 + 4 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A314149
Score: 4.87663
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 6 x^{10} + 5 x^{9} + 6 x^{8} + 5 x^{7} + 6 x^{6} + 5 x^{5} + 6 x^{4} + 5 x^{3} + 6 x^{2} + 4 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A314150
Score: 4.06761
Type of gen. func.: ogf

$$- (x^{13} - x^{11} + x^{9} - 2 x^{8} - 6 x^{7} - 10 x^{6} - 11 x^{5} - 11 x^{4} - 11 x^{3} - 10 x^{2} - 5 x - 1) / ((x^{2} - x + 1) (x^{2} + x + 1) (x + 1)^{2} (x - 1)^{2})$$

Sequence: A314150
Score: 4.97153
Type of gen. func.: ogf

$$- (x^{13} - x^{11} + x^{9} - 2 x^{8} - 6 x^{7} - 10 x^{6} - 11 x^{5} - 11 x^{4} - 11 x^{3} - 10 x^{2} - 5 x - 1) / ((x^{2} - x + 1) (x^{2} + x + 1) (x + 1)^{2} (x - 1)^{2})$$

Sequence: A314151
Score: 5.51929
Type of gen. func.: ogf

$$\frac{x^{8} + 3 x^{7} + 2 x^{6} - x^{5} + x^{4} - x^{3} + 2 x^{2} + 3 x + 1}{(x^{2} + 1) (x^{4} - x^{2} + 1) (x - 1)}$$

Sequence: A314151
Score: 5.69590
Type of gen. func.: ogf

$$\frac{x^{8} + 3 x^{7} + 2 x^{6} - x^{5} + x^{4} - x^{3} + 2 x^{2} + 3 x + 1}{}$$

$$(x^2 + 1) (x^4 - x^2 + 1) (x - 1)^2$$

Sequence: A314156
Score: 3.97759
Type of gen. func.: ogf

$$(x^{14} + 5 x^{13} + 11 x^{12} + 15 x^{11} + 17 x^{10} + 17 x^9 + 16 x^8 + 15 x^7 + 16 x^6 + 17 x^5 + 17 x^4 + 15 x^3 + 11 x^2 + 5 x + 1) / ((x^2 + x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A314157
Score: 3.50733
Type of gen. func.: ogf

$$\frac{(x^{10} + 2 x^9 + x^8 + x^7 + 3 x^6 - x^5 + 3 x^4 + x^3 + x^2 + 2 x + 1) (x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314157
Score: 4.87663
Type of gen. func.: ogf

$$\frac{(x^{10} + 2 x^9 + x^8 + x^7 + 3 x^6 - x^5 + 3 x^4 + x^3 + x^2 + 2 x + 1) (x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314159
Score: 3.49014
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 3 x^{10} + 2 x^9 + 4 x^8 + 2 x^7 + 3 x^6 + 2 x^5 + 4 x^4 + 2 x^3 + 3 x^2 + 3 x + 1) / ((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2)$$

Sequence: A314160
Score: 3.45625
Type of gen. func.: ogf

$$(x^{10} + 3 x^9 + 4 x^8 + 5 x^7 + 8 x^6 + 6 x^5 + 8 x^4 + 5 x^3 + 4 x^2 + 3 x + 1) (x + 1)^2 / ((x^4 + x^3 + x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A314160
Score: 4.50625
Type of gen. func.: ogf

$$(x^{10} + 3 x^9 + 4 x^8 + 5 x^7 + 8 x^6 + 6 x^5 + 8 x^4 + 5 x^3 + 4 x^2 + 3 x + 1) (x + 1)^2 / ((x^4 + x^3 + x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A314161
Score: 6.53200
Type of gen. func.: ogf

$$\frac{x^6 + 3 x^5 + 2 x^4 - x^3 + 2 x^2 + 3 x + 1}{(x - 1)^2 (x^4 + 1)}$$

Sequence: A314161
Score: 7.99987
Type of gen. func.: ogf

$$\frac{x^6 + 3 x^5 + 2 x^4 - x^3 + 2 x^2 + 3 x + 1}{(x - 1)^2 (x^4 + 1)}$$

Sequence: A314163
Score: 4.77267

Type of gen. func.: ogf

$$\frac{x^{10} + 4x^{9} + 6x^{8} + 5x^{7} + 6x^{6} + 6x^{5} + 6x^{4} + 5x^{3} + 6x^{2} + 4x + 1}{(x^{2} + x + 1)(x^{6} + x^{3} + 1)(x - 1)^{2}}$$

Sequence: A314163
Score: 5.63701
Type of gen. func.: ogf

$$\frac{x^{10} + 4x^{9} + 6x^{8} + 5x^{7} + 6x^{6} + 6x^{5} + 6x^{4} + 5x^{3} + 6x^{2} + 4x + 1}{(x^{2} + x + 1)(x^{6} + x^{3} + 1)(x - 1)^{2}}$$

Sequence: A314164
Score: 4.02191
Type of gen. func.: ogf

$$\frac{x^{10} + 3x^{9} + 3x^{8} + 2x^{7} + 4x^{6} + 2x^{5} + 4x^{4} + 2x^{3} + 3x^{2} + 3x + 1}{(x^{4} + x^{3} + x^{2} + x + 1)(x^{4} - x^{3} + x^{2} - x + 1)(x - 1)^{2}}$$

Sequence: A314165
Score: 3.42536
Type of gen. func.: ogf

$$(x^{12} + 4x^{11} + 6x^{10} + 5x^{9} + 6x^{8} + 6x^{7} + 6x^{6} + 6x^{5} + 6x^{4} + 5x^{3} + 6x^{2} + 4x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)(x - 1)^{2})$$

Sequence: A314165
Score: 4.90342
Type of gen. func.: ogf

$$(x^{12} + 4x^{11} + 6x^{10} + 5x^{9} + 6x^{8} + 6x^{7} + 6x^{6} + 6x^{5} + 6x^{4} + 5x^{3} + 6x^{2}$$

$$/ \quad {}^{10} \quad {}^{9} \quad {}^{8} \quad {}^{7} \quad {}^{6} \quad {}^{5} \quad {}^{4} \quad {}^{3} \quad {}^{2}$$

$$+ 4 x + 1) / ((x + x + x + x + x + x + x + x + x + x + 1) (x - 1)^2)$$

Sequence: A314167
Score: 6.11880
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 5 x^6 - 3 x^4 + 5 x^2 + 4 x + 1}{(x^2 + x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A314167
Score: 6.11881
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 5 x^6 - 3 x^4 + 5 x^2 + 4 x + 1}{(x^2 + x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A314168
Score: 4.02191
Type of gen. func.: ogf

$$(x^{10} + 2 x^9 + x^8 + 2 x^7 + 5 x^6 - x^5 + 5 x^4 + 2 x^3 + x^2 + 2 x + 1) (x + 1)^2 / ((x^4 + x^3 + x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2)$$

Sequence: A314169
Score: 4.04463
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^8 + 3 x^7 + 3 x^6 + 3 x^5 + 6 x^4 + 3 x^3 + 3 x^2 + 3 x + 1)}{(x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314169
Score: 4.41914
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)(x^8 + 3x^7 + 3x^6 + 3x^5 + 6x^4 + 3x^3 + 3x^2 + 3x + 1)}{(x^2 + 1)(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A314172
Score: 3.63401
Type of gen. func.: ogf

$$\frac{(x^8 + 2x^7 - x^6 - 2x^5 + 7x^4 - 2x^3 - x^2 + 2x + 1)(x^2 + 1)^2}{(x^2 - x + 1)(x^4 + x^3 + x^2 + x + 1)(x^4 - x^3 + x^2 - x + 1)(x - 1)^2}$$

Sequence: A314181
Score: 3.61415
Type of gen. func.: ogf

$$-(x^2 + 1)(x^{13} - x^{12} - x^{11} + x^{10} + 2x^9 - 4x^8 - 4x^7 - 4x^6 - x^5 - 3x^4 - x^3 - 5x^2 - 4x - 1) \Big/ ((x^2 + x + 1)(x^6 + x^3 + 1)(x - 1)^2)$$

Sequence: A314181
Score: 4.62330
Type of gen. func.: ogf

$$-(x^2 + 1)(x^{13} - x^{12} - x^{11} + x^{10} + 2x^9 - 4x^8 - 4x^7 - 4x^6 - x^5 - 3x^4 - x^3 - 5x^2 - 4x - 1) \Big/ ((x^2 + x + 1)(x^6 + x^3 + 1)(x - 1)^2)$$

Sequence: A314185
Score: 4.72051
Type of gen. func.: ogf

```
 10      9      8      7    5      3      2
x   + 4 x  + 6 x  + 5 x  - x  + 5 x  + 6 x  + 4 x + 1
-----------------------------------------------------
      2            2        4    2             2
```

$$(x + x + 1) (x + 1) (x - x + 1) (x - 1)$$

Sequence: A314185
Score: 4.95158
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 6 x^8 + 5 x^7 - x^5 + 5 x^3 + 6 x^2 + 4 x + 1}{(x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A314186
Score: 3.38792
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 6 x^{10} + 6 x^9 + 4 x^8 + 5 x^7 + 6 x^6 + 5 x^5 + 4 x^4 + 6 x^3 + 6 x^2 + 4 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A314186
Score: 4.84984
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 6 x^{10} + 6 x^9 + 4 x^8 + 5 x^7 + 6 x^6 + 5 x^5 + 4 x^4 + 6 x^3 + 6 x^2 + 4 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A314188
Score: 4.94436
Type of gen. func.: ogf

$$\frac{(x^4 + 2 x^3 + 2 x + 1) (x^2 + x + 1)^2}{(x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314188
Score: 5.8842
Type of gen. func.: ogf

$$\frac{(x^4 + 2 x^3 + 2 x + 1) (x^2 + x + 1)^2}{(x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314189
Score: 5.014
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 6 x^8 + 5 x^7 + 5 x^3 + 6 x^2 + 4 x + 1}{(x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A314189
Score: 5.27399
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 6 x^8 + 5 x^7 + 5 x^3 + 6 x^2 + 4 x + 1}{(x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A314191
Score: 3.99993
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 3 x^8 + 3 x^7 + x^6 + 5 x^5 + x^4 + 3 x^3 + 3 x^2 + 3 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A314192
Score: 3.97759
Type of gen. func.: ogf

$$(x^{14} + 5 x^{13} + 11 x^{12} + 16 x^{11} + 16 x^{10} + 16 x^9 + 16 x^8 + 17 x^7 + 16 x^6 + 16 x^5$$

$$+ 16 x^4 + 16 x^3 + 11 x^2 + 5 x + 1) \Big/ ((x^2 + x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A314193
Score: 5.04956
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 6 x^6 + 6 x^5 + 4 x^4 + 6 x^3 + 6 x^2 + 4 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314193
Score: 6.53200
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 6 x^6 + 6 x^5 + 4 x^4 + 6 x^3 + 6 x^2 + 4 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314194
Score: 3.37435
Type of gen. func.: ogf

$$(x^2 + x + 1) (x^{10} + 3 x^9 + 2 x^8 + x^7 + x^6 + 4 x^5 + x^4 + x^3 + 2 x^2 + 3 x + 1)$$

$$\Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A314194
Score: 4.87663
Type of gen. func.: ogf

$$(x^2 + x + 1) (x^{10} + 3 x^9 + 2 x^8 + x^7 + x^6 + 4 x^5 + x^4 + x^3 + 2 x^2 + 3 x + 1)$$

$$\Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A314198
Score: 4.8047
Type of gen. func.: ogf

```
       9    8    7      6      5      4      3      2              2
     (x  - x  + x  - 2 x  - 5 x  - 6 x  - 7 x  - 6 x  - 4 x - 1) (x  + x + 1)
   - --------------------------------------------------------------------------
                                    2        2   2     2
                             (x - 1)  (x + 1)  (x  + 1)
```

Sequence: A314198
Score: 5.63701
Type of gen. func.: ogf

```
       9    8    7      6      5      4      3      2              2
     (x  - x  + x  - 2 x  - 5 x  - 6 x  - 7 x  - 6 x  - 4 x - 1) (x  + x + 1)
   - --------------------------------------------------------------------------
                                    2        2   2     2
                             (x - 1)  (x + 1)  (x  + 1)
```

Sequence: A314201
Score: 4.66334
Type of gen. func.: ogf

```
      10      9    7    6    4    3
     x   + 2 x  + x  + x  + x  + x  + 2 x + 1
   --------------------------------------------
     2        2            4    2             2
   (x  + 1) (x  - x + 1) (x  - x  + 1) (x - 1)
```

Sequence: A314201
Score: 4.9589
Type of gen. func.: ogf

```
      10      9    7    6    4    3
     x   + 2 x  + x  + x  + x  + x  + 2 x + 1
   --------------------------------------------
     2        2            4    2             2
   (x  + 1) (x  - x + 1) (x  - x  + 1) (x - 1)
```

Sequence: A314202
Score: 3.7865
Type of gen. func.: ogf

```
     10      9    8      7      5      3    2                   2
   (x   + 2 x  + x  + 2 x  + 2 x  + 2 x  + x  + 2 x + 1) (x + 1)
   -----------------------------------------------------------------
     10    9    8    7    6    5    4    3    2                 2
```

$$(x + x + x + x + x + x + x + x + x + x + 1)(x - 1)$$

Sequence: A314202
Score: 4.84984
Type of gen. func.: ogf

$$\frac{(x^{10} + 2x^9 + x^8 + 2x^7 + 2x^5 + 2x^3 + x^2 + 2x + 1)(x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A314203
Score: 3.97796
Type of gen. func.: ogf

$$\frac{x^{10} + 3x^9 + 3x^8 + 3x^7 + 2x^6 + 2x^5 + 2x^4 + 3x^3 + 3x^2 + 3x + 1}{(x^4 + x^3 + x^2 + x + 1)(x^4 - x^3 + x^2 - x + 1)(x - 1)^2}$$

Sequence: A314204
Score: 3.47096
Type of gen. func.: ogf

$$(x^{12} + 3x^{11} + 3x^{10} + 3x^9 + 2x^8 + 2x^7 + 3x^6 + 2x^5 + 2x^4 + 3x^3 + 3x^2 + 3x + 1) \Big/ \left((x^2 + 1)(x^2 + x + 1)(x^2 - x + 1)(x^4 - x^2 + 1)(x - 1)^2\right)$$

Sequence: A314205
Score: 4.77844
Type of gen. func.: ogf

$$\frac{(x^2 + 1)(x^4 + x^3 - 2x^2 + x + 1)(x + 1)^2}{(x^6 + x^3 + 1)(x - 1)^2}$$

Sequence: A314205
Score: 6.532
Type of gen. func.: ogf

$$\frac{(x^2 + 1)(x^4 + x^3 - 2x^2 + x + 1)(x + 1)^2}{(x^6 + x^3 + 1)(x - 1)^2}$$

Sequence: A314208
Score: 3.49014
Type of gen. func.: ogf

$$(x^{12} + 3x^{11} + 3x^{10} + 3x^9 + 2x^8 + 3x^7 + 2x^6 + 3x^5 + 2x^4 + 3x^3 + 3x^2 + 3x + 1) / ((x^2 + 1)(x^2 + x + 1)(x^2 - x + 1)(x^4 - x^2 + 1)(x - 1)^2)$$

Sequence: A314209
Score: 4.31508
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)(x^8 + 2x^7 + x^5 + x^4 + x^3 + 2x + 1)}{(x^4 + x^3 + x^2 + x + 1)(x^4 - x^3 + x^2 - x + 1)(x - 1)^2}$$

Sequence: A314210
Score: 3.45625
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)(x^8 + x^7 - x^6 + 2x^5 - x^4 + 2x^3 - x^2 + x + 1)(x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A314210
Score: 4.87663
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)(x^8 + x^7 - x^6 + 2x^5 - x^4 + 2x^3 - x^2 + x + 1)(x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A314211
Score: 3.40664
Type of gen. func.: ogf

$$(x^8+2x^7+x^6+3x^5+2x^4+3x^3+x^2+2x+1)(x^2+x+1)(x+1)^2 / ((x^4+x^3+x^2+x+1)(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2)$$

Sequence: A314211
Score: 4.50625
Type of gen. func.: ogf

$$(x^8+2x^7+x^6+3x^5+2x^4+3x^3+x^2+2x+1)(x^2+x+1)(x+1)^2 / ((x^4+x^3+x^2+x+1)(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2)$$

Sequence: A314216
Score: 3.49014
Type of gen. func.: ogf

$$(x^{12}+3x^{11}+3x^{10}+3x^9+2x^8+4x^7+x^6+4x^5+2x^4+3x^3+3x^2+3x+1) / ((x^2+1)(x^2+x+1)(x^2-x+1)(x^4-x^2+1)(x-1)^2)$$

Sequence: A314218
Score: 4.77267
Type of gen. func.: ogf

$$\frac{x^{10}+4x^9+6x^8+6x^7+5x^6+6x^5+5x^4+6x^3+6x^2+4x+1}{(x^2+x+1)(x^6+x^3+1)(x-1)^2}$$

Sequence: A314218
Score: 5.63701
Type of gen. func.: ogf

$$x^{10}+4x^9+6x^8+6x^7+5x^6+6x^5+5x^4+6x^3+6x^2+4x+1$$

```
     ----------------------------------------------------------------------
                        2            6    3             2
                      (x  + x + 1) (x  + x  + 1) (x - 1)



-------------------------------------------------------------------------------

Sequence:  A314219
Score: 3.19598
Type of gen. func.: ogf


  12      11      9      8      7      5      4      3              2
(x   + 2 x   + 2 x  + 3 x  + 2 x  + 2 x  + 3 x  + 2 x  + 2 x + 1) (x  + x + 1)

       /    2            10    9    8    7    6    5    4    3    2
      /  ((x  - x + 1) (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1)
     /

           2
    (x - 1) )



-------------------------------------------------------------------------------

Sequence:  A314220
Score: 4.02191
Type of gen. func.: ogf


      10      9      8      7      6      5      4      3      2
     x   + 3 x  + 3 x  + 3 x  + 2 x  + 4 x  + 2 x  + 3 x  + 3 x  + 3 x + 1
     ----------------------------------------------------------------------
              4    3    2            4    3    2                 2
            (x  + x  + x  + x + 1) (x  - x  + x  - x + 1) (x - 1)



-------------------------------------------------------------------------------

Sequence:  A314221
Score: 3.42536
Type of gen. func.: ogf


  12      11      10      9      8      7      6      5      4      3      2
(x   + 4 x   + 6 x   + 6 x  + 5 x  + 6 x  + 6 x  + 6 x  + 5 x  + 6 x  + 6 x

                  /    10    9    8    7    6    5    4    3    2
     + 4 x + 1)  /  ((x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1)
                /

           2
    (x - 1) )



-------------------------------------------------------------------------------

Sequence:  A314221
Score: 4.90342
Type of gen. func.: ogf


  12      11      10      9      8      7      6      5      4      3      2
(x   + 4 x   + 6 x   + 6 x  + 5 x  + 6 x  + 6 x  + 6 x  + 5 x  + 6 x  + 6 x

                  /    10    9    8    7    6    5    4    3    2
     + 4 x + 1)  /  ((x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1)
```

$$/\ (x-1)^2)$$

Sequence: A314222
Score: 4.53101
Type of gen. func.: ogf

$$\frac{x^{10}+4x^9+6x^8+5x^7+x^6+x^4+5x^3+6x^2+4x+1}{(x^2+1)(x^2+x+1)(x^4-x^2+1)(x-1)^2}$$

Sequence: A314222
Score: 4.74106
Type of gen. func.: ogf

$$\frac{x^{10}+4x^9+6x^8+5x^7+x^6+x^4+5x^3+6x^2+4x+1}{(x^2+1)(x^2+x+1)(x^4-x^2+1)(x-1)^2}$$

Sequence: A314225
Score: 3.42536
Type of gen. func.: ogf

$$(x^{12}+4x^{11}+6x^{10}+6x^9+5x^8+7x^7+4x^6+7x^5+5x^4+6x^3+6x^2+4x+1)\ /\ ((x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2)$$

Sequence: A314225
Score: 4.90342
Type of gen. func.: ogf

$$(x^{12}+4x^{11}+6x^{10}+6x^9+5x^8+7x^7+4x^6+7x^5+5x^4+6x^3+6x^2+4x+1)\ /\ ((x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)$$

^{2}

$(x - 1))$

Sequence: A314227
Score: 3.86973
Type of gen. func.: ogf

$$(x^4 + 2 x^3 + 2 x + 1) (x^8 + 2 x^7 + 3 x^6 + 2 x^5 + 3 x^4 + 2 x^3 + 3 x^2 + 2 x + 1) / ((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x - 1)^2)$$

Sequence: A314228
Score: 4.11554
Type of gen. func.: ogf

$$\frac{(x^4 + x^3 - x^2 + x + 1) (x^2 + 1)^2 (x + 1)^4}{(x^4 + x^3 + x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314228
Score: 4.50625
Type of gen. func.: ogf

$$\frac{(x^4 + x^3 - x^2 + x + 1) (x^2 + 1)^2 (x + 1)^4}{(x^4 + x^3 + x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314231
Score: 4.8047
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^8 + 4 x^7 + 5 x^6 + 2 x^5 + x^4 + 2 x^3 + 5 x^2 + 4 x + 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A314231
Score: 5.63701
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^8 + 4 x^7 + 5 x^6 + 2 x^5 + x^4 + 2 x^3 + 5 x^2 + 4 x + 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A314233
Score: 4.53496
Type of gen. func.: ogf

$$\frac{(x^8 + x^7 - x^6 + x^5 + x^3 - x^2 + x + 1) (x + 1)^2}{(x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A314233
Score: 4.71515
Type of gen. func.: ogf

$$\frac{(x^8 + x^7 - x^6 + x^5 + x^3 - x^2 + x + 1) (x + 1)^2}{(x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A314234
Score: 3.45625
Type of gen. func.: ogf

$$\frac{(x^4 + x^3 + x^2 + x + 1) (x^6 + x^5 - x^4 + x^3 - x^2 + x + 1) (x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314234
Score: 4.87663
Type of gen. func.: ogf

$$\frac{(x^4 + x^3 + x^2 + x + 1) (x^6 + x^5 - x^4 + x^3 - x^2 + x + 1) (x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314235
Score: 4.02191
Type of gen. func.: ogf

$$(x^{10} + 2 x^{9} + 2 x^{8} + 4 x^{7} + 2 x^{6} + 3 x^{5} + 2 x^{4} + 4 x^{3} + 2 x^{2} + 2 x + 1)$$

$$(x + 1)^{2} \Big/ ((x^{2} + 1) (x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2})$$

Sequence: A314236
Score: 4.47791
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^{9} + x^{7} + 2 x^{6} - x^{5} + 2 x^{4} + x^{3} + 2 x + 1}{(x^{2} + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A314236
Score: 4.74659
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^{9} + x^{7} + 2 x^{6} - x^{5} + 2 x^{4} + x^{3} + 2 x + 1}{(x^{2} + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A314238
Score: 3.72865
Type of gen. func.: ogf

$$- (x^{15} - x^{14} + x^{12} - 3 x^{10} - 3 x^{9} - 6 x^{8} - 8 x^{7} - 10 x^{6} - 11 x^{5} - 10 x^{4} - 7 x^{3}$$

$$- 6 x^{2} - 4 x - 1) \Big/ ((x^{2} + x + 1) (x + 1)^{2} (x - 1)^{2} (x^{2} - x + 1))$$

Sequence: A314239
Score: 3.42536
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 6 x^{10} + 6 x^{9} + 6 x^{8} + 5 x^{7} + 6 x^{6} + 5 x^{5} + 6 x^{4} + 6 x^{3} + 6 x^{2}$$

$$\Big/ \quad {}^{10} \quad {}^{9} \quad {}^{8} \quad {}^{7} \quad {}^{6} \quad {}^{5} \quad {}^{4} \quad {}^{3} \quad {}^{2}$$

$$+ 4 x + 1) / ((x + x + x + x + x + x + x + x + x + x + 1) (x - 1)^2)$$

Sequence: A314239
Score: 4.90342
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 6 x^{10} + 6 x^9 + 6 x^8 + 5 x^7 + 6 x^6 + 5 x^5 + 6 x^4 + 6 x^3 + 6 x^2 + 4 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A314240
Score: 3.50931
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 3 x^{10} + 3 x^9 + 3 x^8 + 2 x^7 + 4 x^6 + 2 x^5 + 3 x^4 + 3 x^3 + 3 x^2 + 3 x + 1) / ((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2)$$

Sequence: A314242
Score: 3.69021
Type of gen. func.: ogf

$$(x^2 + x + 1) (x^{10} + 3 x^9 + 3 x^8 + 4 x^7 + 6 x^6 + 4 x^5 + 6 x^4 + 4 x^3 + 3 x^2 + 3 x + 1) / ((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x - 1)^2)$$

Sequence: A314243
Score: 4.02191
Type of gen. func.: ogf

$$(x^{14} + 5 x^{13} + 11 x^{12} + 17 x^{11} + 23 x^{10} + 28 x^9 + 26 x^8 + 30 x^7 + 26 x^6 + 28 x^5$$

```
           4       3       2              /    2
     + 23 x  + 17 x  + 11 x  + 5 x + 1)  /  ((x  + x + 1)
                                        /

      4    3    2              6    3              2
    (x  + x  + x  + x + 1) (x  + x  + 1) (x - 1) )



------------------------------------------------------------------------------

Sequence:  A314244
Score: 3.42536
Type of gen. func.: ogf


  12      11      10      9      8      7      6      5      4      3      2
(x   + 4 x   + 6 x   + 6 x  + 6 x  + 6 x  + 4 x  + 6 x  + 6 x  + 6 x  + 6 x

                  /    10    9    8    7    6    5    4    3    2
     + 4 x + 1)  /  ((x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1)
                /

           2
    (x - 1) )



------------------------------------------------------------------------------

Sequence:  A314244
Score: 4.90342
Type of gen. func.: ogf


  12      11      10      9      8      7      6      5      4      3      2
(x   + 4 x   + 6 x   + 6 x  + 6 x  + 6 x  + 4 x  + 6 x  + 6 x  + 6 x  + 6 x

                  /    10    9    8    7    6    5    4    3    2
     + 4 x + 1)  /  ((x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1)
                /

           2
    (x - 1) )



------------------------------------------------------------------------------

Sequence:  A314247
Score: 6.11880
Type of gen. func.: ogf


                     6      5      4      3      2
                    x  + 3 x  + 3 x  + 3 x  + 3 x  + 3 x + 1
                    ----------------------------------------
                         2            2                2
                       (x  - x + 1) (x  + x + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A314247
Score: 6.3354
Type of gen. func.: ogf


                     6      5      4      3      2
```

$$\frac{x + 3 x + 3 x + 3 x + 3 x + 3 x + 1}{(x^2 - x + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A314249
Score: 5.22555
Type of gen. func.: ogf

$$\frac{(x^6 + 2 x^5 + x^4 + 2 x^3 + x^2 + 2 x + 1) (x + 1)^2}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314249
Score: 6.56789
Type of gen. func.: ogf

$$\frac{(x^6 + 2 x^5 + x^4 + 2 x^3 + x^2 + 2 x + 1) (x + 1)^2}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314250
Score: 4.80470
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + 3 x^6 + 3 x^5 + 3 x^4 + 3 x^3 + 3 x^2 + 3 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A314250
Score: 5.91653
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + 3 x^6 + 3 x^5 + 3 x^4 + 3 x^3 + 3 x^2 + 3 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A314251
Score: 4.93724

Type of gen. func.: ogf

$$\frac{(x^8 + 2x^7 + x^6 + 2x^5 + x^4 + 2x^3 + x^2 + 2x + 1)(x + 1)^2}{(x^2 + x + 1)(x^6 + x^3 + 1)(x - 1)^2}$$

Sequence: A314251
Score: 5.63701
Type of gen. func.: ogf

$$\frac{(x^8 + 2x^7 + x^6 + 2x^5 + x^4 + 2x^3 + x^2 + 2x + 1)(x + 1)^2}{(x^2 + x + 1)(x^6 + x^3 + 1)(x - 1)^2}$$

Sequence: A314252
Score: 4.02191
Type of gen. func.: ogf

$$\frac{x^{10} + 3x^9 + 3x^8 + 3x^7 + 3x^6 + 3x^5 + 3x^4 + 3x^3 + 3x^2 + 3x + 1}{(x^4 + x^3 + x^2 + x + 1)(x^4 - x^3 + x^2 - x + 1)(x - 1)^2}$$

Sequence: A314253
Score: 3.5266
Type of gen. func.: ogf

$$\frac{(x^{10} + 2x^9 + x^8 + 2x^7 + x^6 + 2x^5 + x^4 + 2x^3 + x^2 + 2x + 1)(x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A314253
Score: 4.90342
Type of gen. func.: ogf

$$\frac{(x^{10} + 2x^9 + x^8 + 2x^7 + x^6 + 2x^5 + x^4 + 2x^3 + x^2 + 2x + 1)(x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A314254
Score: 3.50931
Type of gen. func.: ogf

$$\left(x^{12} + 3 x^{11} + 3 x^{10} + 3 x^{9} + 3 x^{8} + 3 x^{7} + 3 x^{6} + 3 x^{5} + 3 x^{4} + 3 x^{3} + 3 x^{2} + 3 x + 1\right) \Big/ \left(\left(x^{2} + 1\right) \left(x^{2} + x + 1\right) \left(x^{2} - x + 1\right) \left(x^{4} - x^{2} + 1\right) \left(x - 1\right)^{2}\right)$$

Sequence: A314258
Score: 3.28395
Type of gen. func.: ogf

$$\left(x^{12} + 3 x^{11} + 4 x^{10} + 7 x^{9} + 4 x^{8} + 12 x^{7} + x^{6} + 12 x^{5} + 4 x^{4} + 7 x^{3} + 4 x^{2} + 3 x + 1\right) \left(x + 1\right)^{2} \Big/ \left(\left(x^{2} + x + 1\right) \left(x^{4} + x^{3} + x^{2} + x + 1\right) \left(x^{6} + x^{3} + 1\right) \left(x - 1\right)^{2}\right)$$

Sequence: A314258
Score: 4.02191
Type of gen. func.: ogf

$$\left(x^{12} + 3 x^{11} + 4 x^{10} + 7 x^{9} + 4 x^{8} + 12 x^{7} + x^{6} + 12 x^{5} + 4 x^{4} + 7 x^{3} + 4 x^{2} + 3 x + 1\right) \left(x + 1\right)^{2} \Big/ \left(\left(x^{2} + x + 1\right) \left(x^{4} + x^{3} + x^{2} + x + 1\right) \left(x^{6} + x^{3} + 1\right) \left(x - 1\right)^{2}\right)$$

Sequence: A314259
Score: 3.91202
Type of gen. func.: ogf

$$\left(x^{12} + 2 x^{11} + 2 x^{9} - 2 x^{8} + 6 x^{7} - 3 x^{6} + 6 x^{5} - 2 x^{4} + 2 x^{3} + 2 x + 1\right) \left(x^{2} + x + 1\right) \Big/ \left(\left(x^{4} + 1\right) \left(x^{4} - x^{2} + 1\right) \left(x - 1\right)^{2} \left(x^{2} + 1\right)^{2}\right)$$

Sequence: A314261
Score: 4.13685
Type of gen. func.: ogf

$$-(x^2+1)(x^{10}-2x^9+2x^8-x^7-x^6-4x^5-2x^4-4x^3-3x^2-3x-1)(x+1)^2 / ((x-1)^2 (x^4+x^3+x^2+x+1)^2)$$

Sequence: A314261
Score: 4.86359
Type of gen. func.: ogf

$$-(x^2+1)(x^{10}-2x^9+2x^8-x^7-x^6-4x^5-2x^4-4x^3-3x^2-3x-1)(x+1)^2 / ((x-1)^2 (x^4+x^3+x^2+x+1)^2)$$

Sequence: A314263
Score: 3.5795
Type of gen. func.: ogf

$$\frac{x^{12}+2x^{11}+x^{10}+4x^9+8x^7-4x^6+8x^5+4x^3+x^2+2x+1}{(x^2-x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x-1)^2}$$

Sequence: A314268
Score: 3.21345
Type of gen. func.: ogf

$$-(x^{16}-x^{15}-x^{14}+x^{13}+x^{12}-x^{11}-x^{10}+2x^9-2x^8-5x^7-5x^6-x^5-x^4-3x^3-5x^2-4x-1)(x^2+1) / ((x^2+x+1)(x^6+x^3+1)(x-1)^2)$$

Sequence: A314268
Score: 4.67410
Type of gen. func.: ogf

$$- (x^{16} - x^{15} - x^{14} + x^{13} + x^{12} - x^{11} - x^{10} + 2 x^{9} - 2 x^{8} - 5 x^{7} - 5 x^{6} - x^{5} - x^{4} - 3 x^{3} - 5 x^{2} - 4 x - 1) (x^{2} + 1) / ((x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2})$$

Sequence: A314270
Score: 3.45846
Type of gen. func.: ogf

$$- (x^{4} + x^{3} + x^{2} + x + 1) (x^{11} - 2 x^{10} + x^{9} + x^{8} - x^{7} - 2 x^{6} - 2 x^{5} - 2 x^{4} - 2 x^{3} - 2 x^{2} - 3 x - 1) / ((x^{2} + x + 1) (x + 1)^{2} (x - 1)^{2} (x^{2} - x + 1)^{2})$$

Sequence: A314275
Score: 3.82834
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 8 x^{10} + 7 x^{9} + 14 x^{8} + 8 x^{7} + 16 x^{6} + 8 x^{5} + 14 x^{4} + 7 x^{3} + 8 x^{2} + 4 x + 1) / ((x^{2} + 1) (x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2})$$

Sequence: A314275
Score: 3.93352
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 8 x^{10} + 7 x^{9} + 14 x^{8} + 8 x^{7} + 16 x^{6} + 8 x^{5} + 14 x^{4} + 7 x^{3} + 8 x^{2} + 4 x + 1) / ((x^{2} + 1) (x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2})$$

Sequence: A314283
Score: 4.77267
Type of gen. func.: ogf

$$\frac{x^{10}+4x^{9}+7x^{8}+4x^{7}+7x^{6}+4x^{5}+7x^{4}+4x^{3}+7x^{2}+4x+1}{(x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2}}$$

Sequence: A314283
Score: 5.63701
Type of gen. func.: ogf

$$\frac{x^{10}+4x^{9}+7x^{8}+4x^{7}+7x^{6}+4x^{5}+7x^{4}+4x^{3}+7x^{2}+4x+1}{(x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2}}$$

Sequence: A314286
Score: 4.06761
Type of gen. func.: ogf

$$\frac{x^{10}+4x^{9}+8x^{8}+9x^{7}+13x^{6}+8x^{5}+13x^{4}+9x^{3}+8x^{2}+4x+1}{(x^{2}+1)(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A314286
Score: 4.44658
Type of gen. func.: ogf

$$\frac{x^{10}+4x^{9}+8x^{8}+9x^{7}+13x^{6}+8x^{5}+13x^{4}+9x^{3}+8x^{2}+4x+1}{(x^{2}+1)(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A314287
Score: 3.82834
Type of gen. func.: ogf

$$(x^{12}+4x^{11}+8x^{10}+9x^{9}+14x^{8}+8x^{7}+12x^{6}+8x^{5}+14x^{4}+9x^{3}+8x^{2}+4x+1)\,/\,((x^{2}+1)(x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2})$$

Sequence: A314287
Score: 3.93352
Type of gen. func.: ogf

$$\left(x^{12} + 4 x^{11} + 8 x^{10} + 9 x^{9} + 14 x^{8} + 8 x^{7} + 12 x^{6} + 8 x^{5} + 14 x^{4} + 9 x^{3} + 8 x^{2} + 4 x + 1\right) \Big/ \left((x^{2} + 1) (x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}\right)$$

Sequence: A314290
Score: 3.31435
Type of gen. func.: ogf

$$\left(x^{12} + 3 x^{11} + 5 x^{10} + 5 x^{9} + 8 x^{8} + 7 x^{7} + 5 x^{6} + 7 x^{5} + 8 x^{4} + 5 x^{3} + 5 x^{2} + 3 x + 1\right) (x + 1)^{2} \Big/ \left((x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}\right)$$

Sequence: A314290
Score: 4.02191
Type of gen. func.: ogf

$$\left(x^{12} + 3 x^{11} + 5 x^{10} + 5 x^{9} + 8 x^{8} + 7 x^{7} + 5 x^{6} + 7 x^{5} + 8 x^{4} + 5 x^{3} + 5 x^{2} + 3 x + 1\right) (x + 1)^{2} \Big/ \left((x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}\right)$$

Sequence: A314296
Score: 3.31462
Type of gen. func.: ogf

$$\left(x^{14} + 5 x^{13} + 7 x^{12} + 11 x^{11} + 13 x^{10} + 17 x^{9} + 19 x^{8} + 28 x^{7} + 19 x^{6} + 17 x^{5} + 13 x^{4} + 11 x^{3} + 7 x^{2} + 5 x + 1\right) \Big/ \left((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2}\right)$$

Sequence: A314296
Score: 4.00516
Type of gen. func.: ogf

$$\frac{x^{14}+5x^{13}+7x^{12}+11x^{11}+13x^{10}+17x^{9}+19x^{8}+28x^{7}+19x^{6}+17x^{5}+13x^{4}+11x^{3}+7x^{2}+5x+1}{(x-1)^{2}\,(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)^{2}}$$

Sequence: A314299
Score: 4.60395
Type of gen. func.: ogf

$$\frac{x^{10}+5x^{9}+7x^{8}+11x^{7}+13x^{6}+20x^{5}+13x^{4}+11x^{3}+7x^{2}+5x+1}{(x-1)^{2}\,(x^{4}+x^{3}+x^{2}+x+1)^{2}}$$

Sequence: A314299
Score: 5.28734
Type of gen. func.: ogf

$$\frac{x^{10}+5x^{9}+7x^{8}+11x^{7}+13x^{6}+20x^{5}+13x^{4}+11x^{3}+7x^{2}+5x+1}{(x-1)^{2}\,(x^{4}+x^{3}+x^{2}+x+1)^{2}}$$

Sequence: A314306
Score: 4.2018
Type of gen. func.: ogf

$$\frac{x^{14}+3x^{13}+9x^{11}-3x^{10}+18x^{9}-10x^{8}+27x^{7}-10x^{6}+18x^{5}-3x^{4}+9x^{3}+3x+1}{(x-1)^{2}\,(x^{2}+1)^{2}\,(x^{4}+1)^{2}}$$

Sequence: A314312
Score: 3.42545

Type of gen. func.: ogf

$$(x^{11} + 5 x^{10} + 7 x^9 + 12 x^8 + 19 x^7 + 17 x^6 + 17 x^5 + 17 x^4 + 12 x^3 + 7 x^2 + 5 x + 1) / ((x + 1) (x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A314312
Score: 4.71586
Type of gen. func.: ogf

$$(x^{11} + 5 x^{10} + 7 x^9 + 12 x^8 + 19 x^7 + 17 x^6 + 17 x^5 + 17 x^4 + 12 x^3 + 7 x^2 + 5 x + 1) / ((x + 1) (x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A314314
Score: 4.15056
Type of gen. func.: ogf

$$(x^{14} + 3 x^{13} + 10 x^{11} - 5 x^{10} + 20 x^9 - 12 x^8 + 29 x^7 - 12 x^6 + 20 x^5 - 5 x^4 + 10 x^3 + 3 x + 1) / ((x - 1)^2 (x^2 + 1)^2 (x^4 + 1)^2)$$

Sequence: A314322
Score: 3.62377
Type of gen. func.: ogf

$$(x^{10} + 4 x^9 + x^8 + 2 x^7 + 4 x^6 + 6 x^5 + 4 x^4 + 2 x^3 + x^2 + 4 x + 1) (x^2 + 1) / ((x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x - 1)^2)$$

Sequence: A314324
Score: 3.78515
Type of gen. func.: ogf

$$-(x^2+x+1)(2x^{14}-2x^{13}+2x^{12}-2x^{10}+x^9+x^8-3x^7-2x^6-3x^5-6x^4-7x^3-2x^2-4x-1)\Big/\left((x-1)^2(x+1)^2(x^2+1)^2\right)$$

Sequence: A314324
Score: 4.86286
Type of gen. func.: ogf

$$-(x^2+x+1)(2x^{14}-2x^{13}+2x^{12}-2x^{10}+x^9+x^8-3x^7-2x^6-3x^5-6x^4-7x^3-2x^2-4x-1)\Big/\left((x-1)^2(x+1)^2(x^2+1)^2\right)$$

Sequence: A314335
Score: 3.37243
Type of gen. func.: ogf

$$(x^{14}+5x^{13}+8x^{12}+13x^{11}+16x^{10}+21x^9+23x^8+28x^7+23x^6+22x^5+15x^4+14x^3+7x^2+5x+1)\Big/\left((x-1)^2(x^6+x^5+x^4+x^3+x^2+x+1)^2\right)$$

Sequence: A314335
Score: 4.07502
Type of gen. func.: ogf

$$(x^{14}+5x^{13}+8x^{12}+13x^{11}+16x^{10}+21x^9+23x^8+28x^7+23x^6+22x^5+15x^4+14x^3+7x^2+5x+1)\Big/\left((x-1)^2(x^6+x^5+x^4+x^3+x^2+x+1)^2\right)$$

Sequence: A314336
Score: 4.68378
Type of gen. func.: ogf

```
  10      9      8       7       6       5       4       3      2
```

$$(x + 5 x + 8 x + 13 x + 15 x + 20 x + 15 x + 14 x + 7 x + 5 x + 1) / ((x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A314336
Score: 5.37903
Type of gen. func.: ogf

$$(x^{10} + 5 x^9 + 8 x^8 + 13 x^7 + 15 x^6 + 20 x^5 + 15 x^4 + 14 x^3 + 7 x^2 + 5 x + 1) / ((x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A314338
Score: 3.84646
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 - x^8 + 9 x^7 - 4 x^6 + 14 x^5 - 4 x^4 + 9 x^3 - x^2 + 3 x + 1}{(x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314338
Score: 4.30322
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 - x^8 + 9 x^7 - 4 x^6 + 14 x^5 - 4 x^4 + 9 x^3 - x^2 + 3 x + 1}{(x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314339
Score: 3.4085
Type of gen. func.: ogf

$$(x^{15} + 4 x^{14} + 3 x^{13} + 11 x^{12} + 5 x^{11} + 17 x^{10} + 8 x^9 + 19 x^8 + 15 x^7 + 12 x^6 + 15 x^5 + 5 x^4 + 11 x^3 + 3 x^2 + 4 x + 1) / ((x + 1) (x - 1)^2 (x^2 + 1)^2 (x^4 + 1)^2)$$

Sequence: A314340
Score: 3.4085
Type of gen. func.: ogf

$$\left(x^{15} + 4 x^{14} + 4 x^{13} + 9 x^{12} + 7 x^{11} + 15 x^{10} + 10 x^{9} + 17 x^{8} + 17 x^{7} + 10 x^{6} + 16 x^{5} + 5 x^{4} + 11 x^{3} + 3 x^{2} + 4 x + 1\right) / \left((x + 1) (x - 1)^{2} (x^{2} + 1)^{2} (x^{4} + 1)^{2}\right)$$

Sequence: A314345
Score: 3.17628
Type of gen. func.: ogf

$$\left(x^{12} + 4 x^{11} + 3 x^{10} + 10 x^{9} + 3 x^{8} + 9 x^{7} + 6 x^{6} + 9 x^{5} + 3 x^{4} + 10 x^{3} + 3 x^{2} + 4 x + 1\right) / \left((x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}\right)$$

Sequence: A314347
Score: 4.67857
Type of gen. func.: ogf

$$\frac{x^{8} + 5 x^{7} + 7 x^{6} + 13 x^{5} + 14 x^{4} + 13 x^{3} + 7 x^{2} + 5 x + 1}{(x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A314347
Score: 5.96921
Type of gen. func.: ogf

$$\frac{x^{8} + 5 x^{7} + 7 x^{6} + 13 x^{5} + 14 x^{4} + 13 x^{3} + 7 x^{2} + 5 x + 1}{(x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A314350
Score: 3.91202
Type of gen. func.: ogf

$$(x^{10} + 5 x^9 + 7 x^8 + 9 x^7 + 12 x^6 + 12 x^5 + 14 x^4 + 9 x^3 + 6 x^2 + 5 x + 1) (x^2 + 1) / ((x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2)$$

Sequence: A314350
Score: 4.67857
Type of gen. func.: ogf

$$(x^{10} + 5 x^9 + 7 x^8 + 9 x^7 + 12 x^6 + 12 x^5 + 14 x^4 + 9 x^3 + 6 x^2 + 5 x + 1) (x^2 + 1) / ((x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2)$$

Sequence: A314351
Score: 3.41098
Type of gen. func.: ogf

$$(x^{14} + 5 x^{13} + 7 x^{12} + 14 x^{11} + 20 x^{10} + 23 x^9 + 25 x^8 + 32 x^7 + 25 x^6 + 23 x^5 + 20 x^4 + 14 x^3 + 7 x^2 + 5 x + 1) / ((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A314351
Score: 4.12160
Type of gen. func.: ogf

$$(x^{14} + 5 x^{13} + 7 x^{12} + 14 x^{11} + 20 x^{10} + 23 x^9 + 25 x^8 + 32 x^7 + 25 x^6 + 23 x^5 + 20 x^4 + 14 x^3 + 7 x^2 + 5 x + 1) / ((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A314352
Score: 3.44952
Type of gen. func.: ogf

$$\frac{x^{14} + 5 x^{13} + 8 x^{12} + 14 x^{11} + 20 x^{10} + 25 x^{9} + 27 x^{8} + 32 x^{7} + 27 x^{6} + 26 x^{5} + 20 x^{4} + 14 x^{3} + 7 x^{2} + 5 x + 1}{(x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2}}$$

Sequence: A314352
Score: 4.16817
Type of gen. func.: ogf

$$\frac{x^{14} + 5 x^{13} + 8 x^{12} + 14 x^{11} + 20 x^{10} + 25 x^{9} + 27 x^{8} + 32 x^{7} + 27 x^{6} + 26 x^{5} + 20 x^{4} + 14 x^{3} + 7 x^{2} + 5 x + 1}{(x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2}}$$

Sequence: A314353
Score: 3.91202
Type of gen. func.: ogf

$$\frac{(x^{2} - x + 1) (x^{12} + 4 x^{11} + 3 x^{10} + 10 x^{9} + 5 x^{8} + 14 x^{7} + 2 x^{6} + 14 x^{5} + 5 x^{4} + 10 x^{3} + 3 x^{2} + 4 x + 1)}{(x - 1)^{2} (x^{2} + 1)^{2} (x^{4} + 1)^{2}}$$

Sequence: A314355
Score: 3.93425
Type of gen. func.: ogf

$$\frac{x^{14} + 5 x^{13} + 8 x^{12} + 14 x^{11} + 15 x^{10} + 23 x^{9} + 19 x^{8} + 22 x^{7} + 20 x^{6} + 23 x^{5} + 14 x^{4} + 15 x^{3} + 7 x^{2} + 5 x + 1}{(x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A314364
Score: 4.58562
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 3 x^6 + 11 x^5 + 2 x^4 + 11 x^3 + 3 x^2 + 4 x + 1}{(x^2 - x + 1) (x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A314364
Score: 5.28571
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 3 x^6 + 11 x^5 + 2 x^4 + 11 x^3 + 3 x^2 + 4 x + 1}{(x^2 - x + 1) (x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A314365
Score: 4.34939
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^8 + 3 x^7 - x^6 + 8 x^5 - 6 x^4 + 8 x^3 - x^2 + 3 x + 1) (x + 1)^2}{(x^6 + x^3 + 1) (x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A314365
Score: 4.48879
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^8 + 3 x^7 - x^6 + 8 x^5 - 6 x^4 + 8 x^3 - x^2 + 3 x + 1) (x + 1)^2}{(x^6 + x^3 + 1) (x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A314369
Score: 3.66364
Type of gen. func.: ogf

$$(x^{12} + 6 x^{11} + 13 x^{10} + 28 x^9 + 39 x^8 + 54 x^7 + 56 x^6 + 54 x^5 + 39 x^4 + 28 x^3$$

```
          2              /    2                  2   4    3    2         2
```

```
     + 13 x  + 6 x + 1)  /  ((x  + x + 1) (x - 1)  (x  + x  + x  + x + 1) )
                        /
```

Sequence: A314377
Score: 3.7779
Type of gen. func.: ogf

```
  14      13    12      11    10      9      8       7      6      5    4
(x   + 3 x   + x   + 5 x   + x   + 7 x  + 3 x  + 12 x  + 3 x  + 7 x  + x

          3    2              /         2   2     2   4     2
     + 5 x  + x  + 3 x + 1)  /  ((x - 1)  (x  + 1)  (x  + 1)  )
                            /
```

Sequence: A314380
Score: 3.80151
Type of gen. func.: ogf

```
      13      12      11      10    9      8      7      6      5    4      3
- (2 x   - 2 x   + 2 x   - 5 x   + x  - 5 x  - 3 x  - 3 x  - 9 x  - x  - 5 x

        2              /         2   2         2   2         2
     - x  - 3 x - 1)  /  ((x - 1)  (x  + x + 1)  (x  - x + 1)  )
                     /
```

Sequence: A314389
Score: 4.05091
Type of gen. func.: ogf

```
    12    11      10      9      8       7       6       5       4       3
- (x   + x   - 2 x   - 6 x  - 9 x  - 14 x  - 18 x  - 18 x  - 14 x  - 11 x

          2              /         2   4    3    2         2
     - 8 x  - 5 x - 1)  /  ((x - 1)  (x  + x  + x  + x + 1)  )
                       /
```

Sequence: A314389
Score: 4.68907
Type of gen. func.: ogf

```
    12    11      10      9      8       7       6       5       4       3
- (x   + x   - 2 x   - 6 x  - 9 x  - 14 x  - 18 x  - 18 x  - 14 x  - 11 x

          2              /         2   4    3    2         2
     - 8 x  - 5 x - 1)  /  ((x - 1)  (x  + x  + x  + x + 1)  )
                       /
```

Sequence: A314390
Score: 3.91202
Type of gen. func.: ogf

$$(x^{14} + 3 x^{13} + x^{12} + 6 x^{11} + 3 x^{10} + 8 x^{9} + 4 x^{8} + 11 x^{7} + 4 x^{6} + 8 x^{5} + 3 x^{4} + 6 x^{3} + x^{2} + 3 x + 1) / ((x - 1)^{2} (x^{2} + 1)^{2} (x^{4} + 1)^{2})$$

Sequence: A314393
Score: 3.97986
Type of gen. func.: ogf

$$- (x^{13} - 2 x^{11} - 4 x^{10} - 5 x^{9} - 8 x^{8} - 9 x^{7} - 8 x^{6} - 11 x^{5} - 8 x^{4} - 7 x^{3} - 4 x^{2} - 4 x - 1) / ((x + 1) (x^{4} + 1) (x^{2} + 1)^{2} (x - 1)^{2})$$

Sequence: A314398
Score: 3.15833
Type of gen. func.: ogf

$$- (x^{2} + 1) (x^{14} - 3 x^{12} - 3 x^{11} - 2 x^{10} - 5 x^{9} - 8 x^{8} - 4 x^{7} - 10 x^{6} - 5 x^{5} - 8 x^{4} - 3 x^{3} - 3 x^{2} - 4 x - 1) / ((x^{2} - x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2} (x^{2} + x + 1)^{2})$$

Sequence: A314410
Score: 3.76238
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + 4 x^{8} + 8 x^{7} + 9 x^{6} + 12 x^{5} + 9 x^{4} + 8 x^{3} + 4 x^{2} + 4 x + 1}{(x^{2} + x + 1) (x^{2} - x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A314413
Score: 3.16177
Type of gen. func.: ogf

$$-(x^{17}+x^{14}-3x^{12}-3x^{11}-6x^{10}-9x^{9}-11x^{8}-11x^{7}-11x^{6}-10x^{5}-11x^{4}-8x^{3}-4x^{2}-4x-1)\Big/\left((x^{2}+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{4}+1)(x-1)^{2}\right)$$

Sequence: A314414
Score: 3.23247
Type of gen. func.: ogf

$$(x^{13}+5x^{12}+8x^{11}+12x^{10}+18x^{9}+19x^{8}+17x^{7}+19x^{6}+17x^{5}+18x^{4}+12x^{3}+8x^{2}+5x+1)\Big/\left((x+1)(x^{2}+1)(x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2}\right)$$

Sequence: A314414
Score: 4.14769
Type of gen. func.: ogf

$$(x^{13}+5x^{12}+8x^{11}+12x^{10}+18x^{9}+19x^{8}+17x^{7}+19x^{6}+17x^{5}+18x^{4}+12x^{3}+8x^{2}+5x+1)\Big/\left((x+1)(x^{2}+1)(x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2}\right)$$

Sequence: A314426
Score: 4.17282
Type of gen. func.: ogf

$$-\frac{(x^{8}-x^{7}-3x^{6}+x^{5}-2x^{4}-3x^{3}+x^{2}-3x-1)(x^{2}+x+1)}{(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A314426
Score: 5.83488
Type of gen. func.: ogf

$$-\frac{(x^8 - x^7 - 3x^6 + x^5 - 2x^4 - 3x^3 + x^2 - 3x - 1)(x^2 + x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A314427
Score: 5.72255
Type of gen. func.: ogf

$$-\frac{x^8 - 3x^6 - 3x^5 - 4x^4 - 5x^3 - 3x^2 - 4x - 1}{(x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A314427
Score: 6.85572
Type of gen. func.: ogf

$$-\frac{x^8 - 3x^6 - 3x^5 - 4x^4 - 5x^3 - 3x^2 - 4x - 1}{(x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A314428
Score: 3.93438
Type of gen. func.: ogf

$$(x^{12} + 5x^{11} + 8x^{10} + 12x^9 + 12x^8 + 13x^7 + 16x^6 + 13x^5 + 12x^4 + 12x^3 + 8x^2 + 5x + 1) \Big/ ((x^6 + x^3 + 1)(x - 1)^2 (x^2 + x + 1)^2)$$

Sequence: A314428
Score: 4.41356
Type of gen. func.: ogf

$$(x^{12} + 5x^{11} + 8x^{10} + 12x^9 + 12x^8 + 13x^7 + 16x^6 + 13x^5 + 12x^4 + 12x^3 + 8x^2 + 5x + 1) \Big/ ((x^6 + x^3 + 1)(x - 1)^2 (x^2 + x + 1)^2)$$

Sequence: A314435
Score: 3.62528
Type of gen. func.: ogf

$$-(x^{15} - 3 x^{13} - 3 x^{12} - 3 x^{11} - 6 x^{10} - 5 x^{9} - 8 x^{8} - 9 x^{7} - 10 x^{6} - 5 x^{5} - 6 x^{4} - 5 x^{3} - 3 x^{2} - 4 x - 1) / ((x + 1) (x^{2} + 1) (x^{4} + 1)^{2} (x - 1)^{2})$$

Sequence: A314436
Score: 3.76238
Type of gen. func.: ogf

$$-(x^{13} - 2 x^{11} - 4 x^{10} - 5 x^{9} - 9 x^{8} - 11 x^{7} - 13 x^{6} - 11 x^{5} - 9 x^{4} - 9 x^{3} - 4 x^{2} - 4 x - 1) / ((x + 1) (x - 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2})$$

Sequence: A314445
Score: 3.39678
Type of gen. func.: ogf

$$-(x^{12} + x^{11} - 2 x^{10} - 6 x^{9} - 9 x^{8} - 13 x^{7} - 12 x^{6} - 17 x^{5} - 13 x^{4} - 12 x^{3} - 8 x^{2} - 5 x - 1) / ((x^{2} + x + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A314445
Score: 4.52169
Type of gen. func.: ogf

$$-(x^{12} + x^{11} - 2 x^{10} - 6 x^{9} - 9 x^{8} - 13 x^{7} - 12 x^{6} - 17 x^{5} - 13 x^{4} - 12 x^{3} - 8 x^{2} - 5 x - 1) / ((x^{2} + x + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A314447
Score: 3.91202
Type of gen. func.: ogf

$$-(x^{16}+2x^{15}+2x^{14}-2x^{12}-2x^{11}-x^{10}-2x^{8}-7x^{7}-11x^{6}-15x^{5}-16x^{4}-13x^{3}-8x^{2}-5x-1)\Big/\left((x-1)^{2}(x+1)^{2}(x^{2}+1)^{2}\right)$$

Sequence: A314447
Score: 4.29602
Type of gen. func.: ogf

$$-(x^{16}+2x^{15}+2x^{14}-2x^{12}-2x^{11}-x^{10}-2x^{8}-7x^{7}-11x^{6}-15x^{5}-16x^{4}-13x^{3}-8x^{2}-5x-1)\Big/\left((x-1)^{2}(x+1)^{2}(x^{2}+1)^{2}\right)$$

Sequence: A314458
Score: 7.82405
Type of gen. func.: ogf

$$-\frac{x^{6}-3x^{4}-4x^{3}-3x^{2}-4x-1}{(x^{2}+x+1)(x-1)^{2}}$$

Sequence: A314458
Score: 8.19224
Type of gen. func.: ogf

$$-\frac{x^{6}-3x^{4}-4x^{3}-3x^{2}-4x-1}{(x^{2}+x+1)(x-1)^{2}}$$

Sequence: A314460
Score: 3.68672
Type of gen. func.: ogf

$$-(2x^{16}+2x^{14}-2x^{12}-x^{10}-x^{9}-3x^{8}-8x^{7}-6x^{6}-10x^{5}-12x^{4}-8x^{3}$$

```
          2              /    2            2                 2        2
     - 7 x  - 5 x - 1)  /  ((x  + x + 1) (x  - x + 1) (x - 1)  (x + 1) )
                       /



------------------------------------------------------------------------------

Sequence:  A314460
Score: 4.42870
Type of gen. func.: ogf


      16      14      12    10    9      8      7      6       5       4      3
- (2 x   + 2 x   - 2 x   - x   - x  - 3 x  - 8 x  - 6 x  - 10 x  - 12 x  - 8 x

          2              /    2            2                 2        2
     - 7 x  - 5 x - 1)  /  ((x  + x + 1) (x  - x + 1) (x - 1)  (x + 1) )
                       /



------------------------------------------------------------------------------

Sequence:  A314462
Score: 3.57444
Type of gen. func.: ogf


      16      15      13    12      11      10      9       8       7       6
- (2 x   + 2 x   + 2 x   + x   - 3 x   - 4 x   - 7 x  - 13 x  - 17 x  - 22 x

           5       4       3      2              /         2
     - 19 x  - 21 x  - 13 x  - 8 x  - 5 x - 1)  /  ((x - 1)
                                               /

      4    3    2         2
    (x  + x  + x  + x + 1) )



------------------------------------------------------------------------------

Sequence:  A314462
Score: 4.04692
Type of gen. func.: ogf


      16      15      13    12      11      10      9       8       7       6
- (2 x   + 2 x   + 2 x   + x   - 3 x   - 4 x   - 7 x  - 13 x  - 17 x  - 22 x

           5       4       3      2              /         2
     - 19 x  - 21 x  - 13 x  - 8 x  - 5 x - 1)  /  ((x - 1)
                                               /

      4    3    2         2
    (x  + x  + x  + x + 1) )



------------------------------------------------------------------------------

Sequence:  A314500
Score: 4.19313
Type of gen. func.: ogf


      16      14    12      11       10       9       8       7       6       5
- (2 x   + 2 x   - x   - 7 x   - 10 x   - 18 x  - 20 x  - 27 x  - 26 x  - 25 x

           4       3      2              /         2        2   2         2
```

$- 18 x - 14 x - 8 x - 5 x - 1) / ((x - 1) (x + 1) (x + x + 1) (x^2 - x + 1)^2)$

Sequence: A314501
Score: 5.08277
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 3 x^6 + 7 x^5 + 7 x^4 + 7 x^3 + 3 x^2 + 4 x + 1}{(x^2 + 1) (x^2 - x + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A314501
Score: 5.23564
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 3 x^6 + 7 x^5 + 7 x^4 + 7 x^3 + 3 x^2 + 4 x + 1}{(x^2 + 1) (x^2 - x + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A314508
Score: 3.39928
Type of gen. func.: ogf

$$- (2 x^{12} + 2 x^{11} - x^{10} - 7 x^9 - 11 x^8 - 22 x^7 - 26 x^6 - 26 x^5 - 22 x^4 - 18 x^3 - 9 x^2 - 5 x - 1) / ((x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1) (x^2 + 1) (x - 1)^2)$$

Sequence: A314515
Score: 4.14488
Type of gen. func.: ogf

$$(x^2 + x + 1) (x^{12} + 2 x^{11} - 2 x^{10} + 9 x^9 - 6 x^8 + 8 x^7 + 8 x^5 - 6 x^4 + 9 x^3 - 2 x^2 + 2 x + 1) / ((x - 1)^2 (x^2 + 1)^2 (x^4 + 1)^2)$$

Sequence: A314517
Score: 4.58562
Type of gen. func.: ogf

$$\frac{x^8+4x^7+5x^6+13x^5+9x^4+13x^3+5x^2+4x+1}{(x^2+x+1)(x-1)^2(x^2+1)^2}$$

Sequence: A314517
Score: 5.45219
Type of gen. func.: ogf

$$\frac{x^8+4x^7+5x^6+13x^5+9x^4+13x^3+5x^2+4x+1}{(x^2+x+1)(x-1)^2(x^2+1)^2}$$

Sequence: A314524
Score: 3.38286
Type of gen. func.: ogf

$$(x^{10}+3x^9+x^8+9x^7+2x^6+10x^5+2x^4+9x^3+x^2+3x+1)(x+1)^2 \Big/ \left((x^4+x^3+x^2+x+1)(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2\right)$$

Sequence: A314524
Score: 4.48879
Type of gen. func.: ogf

$$(x^{10}+3x^9+x^8+9x^7+2x^6+10x^5+2x^4+9x^3+x^2+3x+1)(x+1)^2 \Big/ \left((x^4+x^3+x^2+x+1)(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2\right)$$

Sequence: A314530
Score: 3.5328
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 4 x^{10} + 11 x^9 + 5 x^8 + 19 x^7 + 2 x^6 + 19 x^5 + 5 x^4 + 11 x^3 + 4 x^2 + 4 x + 1) / ((x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 + 1) (x - 1)^2)$$

Sequence: A314531
Score: 3.17964
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 8 x^{10} + 15 x^9 + 17 x^8 + 23 x^7 + 21 x^6 + 24 x^5 + 16 x^4 + 15 x^3 + 8 x^2 + 5 x + 1) / ((x^4 + x^3 + x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A314531
Score: 4.46372
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 8 x^{10} + 15 x^9 + 17 x^8 + 23 x^7 + 21 x^6 + 24 x^5 + 16 x^4 + 15 x^3 + 8 x^2 + 5 x + 1) / ((x^4 + x^3 + x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A314538
Score: 3.95673
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 8 x^{10} + 14 x^9 + 13 x^8 + 13 x^7 + 13 x^6 + 13 x^5 + 13 x^4 + 14 x^3 + 8 x^2 + 5 x + 1) / ((x^6 + x^3 + 1) (x - 1)^2 (x^2 + x + 1)^2)$$

Sequence: A314538
Score: 4.43864
Type of gen. func.: ogf

12 11 10 9 8 7 6 5 4 3

$$(x + 5 x + 8 x + 14 x + 13 x + 13 x + 13 x + 13 x + 13 x + 14 x$$

$$+ 8 x^2 + 5 x + 1) / ((x^6 + x^3 + 1) (x - 1)^2 (x^2 + x + 1)^2)$$

Sequence: A314548
Score: 4.63743
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 4 x^6 + 10 x^5 + 4 x^4 + 10 x^3 + 4 x^2 + 4 x + 1}{(x^2 - x + 1) (x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A314548
Score: 5.34544
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 4 x^6 + 10 x^5 + 4 x^4 + 10 x^3 + 4 x^2 + 4 x + 1}{(x^2 - x + 1) (x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A314553
Score: 4.07123
Type of gen. func.: ogf

$$- \frac{x^{10} + 3 x^9 + x^8 - 10 x^7 - 26 x^6 - 40 x^5 - 43 x^4 - 34 x^3 - 19 x^2 - 7 x - 1}{(x^2 + x + 1)^2 (x + 1)^2 (x - 1)^2}$$

Sequence: A314553
Score: 4.73143
Type of gen. func.: ogf

$$- \frac{x^{10} + 3 x^9 + x^8 - 10 x^7 - 26 x^6 - 40 x^5 - 43 x^4 - 34 x^3 - 19 x^2 - 7 x - 1}{(x^2 + x + 1)^2 (x + 1)^2 (x - 1)^2}$$

Sequence: A314555

Score: 3.44952
Type of gen. func.: ogf

$$-(x^{12}+3x^{11}+x^{10}-9x^{9}-23x^{8}-41x^{7}-56x^{6}-59x^{5}-50x^{4}-35x^{3}-19x^{2}-7x-1)\Big/\left((x^{2}+x+1)(x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}(x+1)^{2}\right)$$

Sequence: A314556
Score: 3.46659
Type of gen. func.: ogf

$$-(x^{14}+2x^{13}-6x^{11}-15x^{10}-32x^{9}-48x^{8}-58x^{7}-60x^{6}-56x^{5}-43x^{4}-28x^{3}-14x^{2}-6x-1)\Big/\left((x^{2}+x+1)(x-1)^{2}(x^{4}+x^{3}+x^{2}+x+1)^{2}\right)$$

Sequence: A314567
Score: 4.16665
Type of gen. func.: ogf

$$-(x^{12}+x^{11}-2x^{10}-5x^{9}-9x^{8}-19x^{7}-20x^{6}-23x^{5}-19x^{4}-17x^{3}-8x^{2}-5x-1)\Big/\left((x-1)^{2}(x^{4}+x^{3}+x^{2}+x+1)^{2}\right)$$

Sequence: A314567
Score: 4.82304
Type of gen. func.: ogf

$$-(x^{12}+x^{11}-2x^{10}-5x^{9}-9x^{8}-19x^{7}-20x^{6}-23x^{5}-19x^{4}-17x^{3}-8x^{2}-5x-1)\Big/\left((x-1)^{2}(x^{4}+x^{3}+x^{2}+x+1)^{2}\right)$$

Sequence: A314588
Score: 3.93438

Type of gen. func.: ogf

$$-(2x^{11}-4x^{10}+4x^9-5x^8+2x^7-3x^6-x^5-2x^4-3x^3+x^2-2x-1)\Big/\left((x^2+x+1)(x-1)^2(x^2-x+1)^2\right)$$

Sequence: A314588
Score: 4.33029
Type of gen. func.: ogf

$$-(2x^{11}-4x^{10}+4x^9-5x^8+2x^7-3x^6-x^5-2x^4-3x^3+x^2-2x-1)\Big/\left((x^2+x+1)(x-1)^2(x^2-x+1)^2\right)$$

Sequence: A314612
Score: 3.88967
Type of gen. func.: ogf

$$(x^{14}+3x^{13}+2x^{12}+5x^{11}+2x^{10}+8x^9+4x^8+13x^7+4x^6+8x^5+2x^4+5x^3+2x^2+3x+1)\Big/\left((x-1)^2(x^2+1)^2(x^4+1)^2\right)$$

Sequence: A314616
Score: 3.91202
Type of gen. func.: ogf

$$(x^{14}+3x^{13}+2x^{12}+5x^{11}+3x^{10}+7x^9+4x^8+13x^7+4x^6+7x^5+3x^4+5x^3+2x^2+3x+1)\Big/\left((x-1)^2(x^2+1)^2(x^4+1)^2\right)$$

Sequence: A314617
Score: 4.68378
Type of gen. func.: ogf

$$\frac{x^{10}+3x^9+2x^8+5x^7+3x^6+10x^5+3x^4+5x^3+2x^2+3x+1}{\qquad {}^{2}\ {}^{2}\qquad {}^{2}\ {}^{2}\qquad {}^{2}}$$

$$(x - 1)\ (x + x + 1)\ (x - x + 1)$$

Sequence: A314625
Score: 3.5328
Type of gen. func.: ogf

$$-\left(x^{18} - x^{16} + 2 x^{15} - x^{14} - 3 x^{12} - x^{11} - 3 x^{10} - 2 x^{9} - 5 x^{8} - 4 x^{7} - 4 x^{6} - 4 x^{5} - 4 x^{4} - 2 x^{3} - x^{2} - 3 x - 1\right) / \left((x^{2} + 1) (x - 1)^{2} (x^{4} + 1)^{2}\right)$$

Sequence: A314630
Score: 3.20569
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 2 x^{10} + 5 x^{9} + 5 x^{8} + 7 x^{7} + 2 x^{6} + 7 x^{5} + 5 x^{4} + 5 x^{3} + 2 x^{2} + 3 x + 1) (x + 1)^{2} / \left((x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}\right)$$

Sequence: A314630
Score: 3.93425
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + 2 x^{10} + 5 x^{9} + 5 x^{8} + 7 x^{7} + 2 x^{6} + 7 x^{5} + 5 x^{4} + 5 x^{3} + 2 x^{2} + 3 x + 1) (x + 1)^{2} / \left((x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}\right)$$

Sequence: A314632
Score: 4.07311
Type of gen. func.: ogf

$$-\left(x^{13} + x^{12} - x^{10} - 6 x^{9} - 11 x^{8} - 14 x^{7} - 18 x^{6} - 22 x^{5} - 17 x^{4} - 12 x^{3} - 9 x^{2} - 5 x - 1\right) / \left((x - 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2}\right)$$

Sequence: A314632
Score: 4.71039
Type of gen. func.: ogf

$$-(x^{13} + x^{12} - x^{10} - 6 x^9 - 11 x^8 - 14 x^7 - 18 x^6 - 22 x^5 - 17 x^4 - 12 x^3 - 9 x^2 - 5 x - 1) / ((x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A314633
Score: 5.60202
Type of gen. func.: ogf

$$-\frac{2 x^8 - 3 x^6 - 6 x^5 - 5 x^4 - 6 x^3 - 5 x^2 - 4 x - 1}{(x^2 + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A314633
Score: 5.78721
Type of gen. func.: ogf

$$-\frac{2 x^8 - 3 x^6 - 6 x^5 - 5 x^4 - 6 x^3 - 5 x^2 - 4 x - 1}{(x^2 + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A314634
Score: 2.88082
Type of gen. func.: ogf

$$(x^4 + x^3 - x^2 + x + 1) (x^{12} + 2 x^{11} + 4 x^9 + x^7 + 4 x^6 + x^5 + 4 x^3 + 2 x + 1) / ((x^2 - x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x - 1)^2)$$

Sequence: A314641

Score: 3.48384
Type of gen. func.: ogf

$$-(x^{2}-x+1)(x^{14}+x^{12}+x^{11}-x^{10}-2x^{9}-3x^{8}-8x^{7}-5x^{6}-4x^{5}-4x^{4}-6x^{3}-8x^{2}-5x-1)\Big/((x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2})$$

Sequence: A314641
Score: 4.51775
Type of gen. func.: ogf

$$-(x^{2}-x+1)(x^{14}+x^{12}+x^{11}-x^{10}-2x^{9}-3x^{8}-8x^{7}-5x^{6}-4x^{5}-4x^{4}-6x^{3}-8x^{2}-5x-1)\Big/((x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2})$$

Sequence: A314653
Score: 3.37508
Type of gen. func.: ogf

$$-(x^{17}-2x^{14}-5x^{13}-9x^{12}-8x^{11}-8x^{10}-14x^{9}-17x^{8}-18x^{7}-14x^{6}-11x^{5}-7x^{4}-8x^{3}-8x^{2}-5x-1)\Big/((x^{2}+1)(x-1)^{2}(x+1)^{2}(x^{4}+1)^{2})$$

Sequence: A314658
Score: 3.64436
Type of gen. func.: ogf

$$-(x^{13}-x^{12}+x^{11}-2x^{10}-4x^{9}-5x^{8}-6x^{7}-7x^{6}-11x^{5}-6x^{4}-5x^{3}-4x^{2}-4x-1)\Big/((x^{2}+x+1)(x+1)^{2}(x-1)^{2}(x^{2}-x+1))$$

Sequence: A314668
Score: 3.37508
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + x^{10} + 3 x^9 + x^8 + 3 x^7 + x^6 + 3 x^5 + x^4 + 3 x^3 + x^2 + 3 x + 1) / ((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2)$$

Sequence: A314669
Score: 3.29434
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 4 x^{10} + 4 x^9 + 4 x^8 + 4 x^7 + 4 x^6 + 4 x^5 + 4 x^4 + 4 x^3 + 4 x^2 + 4 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A314669
Score: 4.71586
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 4 x^{10} + 4 x^9 + 4 x^8 + 4 x^7 + 4 x^6 + 4 x^5 + 4 x^4 + 4 x^3 + 4 x^2 + 4 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A314670
Score: 3.86807
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + x^8 + 3 x^7 + x^6 + 3 x^5 + x^4 + 3 x^3 + x^2 + 3 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A314671
Score: 4.59011
Type of gen. func.: ogf

$$x^{10} + 4 x^9 + 4 x^8 + 4 x^7 + 4 x^6 + 4 x^5 + 4 x^4 + 4 x^3 + 4 x^2 + 4 x + 1$$

$$\overline{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A314671
Score: 5.42139
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 4 x^8 + 4 x^7 + 4 x^6 + 4 x^5 + 4 x^4 + 4 x^3 + 4 x^2 + 4 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A314672
Score: 4.62091
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + x^6 + 3 x^5 + x^4 + 3 x^3 + x^2 + 3 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A314672
Score: 5.69022
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + x^6 + 3 x^5 + x^4 + 3 x^3 + x^2 + 3 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A314674
Score: 4.88309
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 4 x^6 + 4 x^5 + 4 x^4 + 4 x^3 + 4 x^2 + 4 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314674
Score: 6.31666
Type of gen. func.: ogf

$$\frac{x^8 + 4x^7 + 4x^6 + 4x^5 + 4x^4 + 4x^3 + 4x^2 + 4x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A314677
Score: 5.88475
Type of gen. func.: ogf

$$\frac{x^6 + 3x^5 + x^4 + 3x^3 + x^2 + 3x + 1}{(x^2 - x + 1)(x^2 + x + 1)(x - 1)^2}$$

Sequence: A314677
Score: 6.09306
Type of gen. func.: ogf

$$\frac{x^6 + 3x^5 + x^4 + 3x^3 + x^2 + 3x + 1}{(x^2 - x + 1)(x^2 + x + 1)(x - 1)^2}$$

Sequence: A314680
Score: 3.29728
Type of gen. func.: ogf

$$(x^2 + x + 1)(x^2 - x + 1)(x^6 + 2x^5 - 2x^4 + 2x^3 - 2x^2 + 2x + 1)(x + 1)^2 \Big/ \left((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2\right)$$

Sequence: A314680
Score: 4.74266
Type of gen. func.: ogf

$$(x^2 + x + 1)(x^2 - x + 1)(x^6 + 2x^5 - 2x^4 + 2x^3 - 2x^2 + 2x + 1)(x + 1)^2 \Big/ \left((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2\right)$$

Sequence: A314683
Score: 3.51284
Type of gen. func.: ogf

$$\frac{x^{12}+3x^{11}+x^{10}+3x^{9}+x^{8}+4x^{7}+4x^{5}+x^{4}+3x^{3}+x^{2}+3x+1}{(x^{2}+1)(x^{2}+x+1)(x^{2}-x+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A314684
Score: 3.31305
Type of gen. func.: ogf

$$(x^{12}+4x^{11}+4x^{10}+4x^{9}+4x^{8}+5x^{7}+4x^{6}+5x^{5}+4x^{4}+4x^{3}+4x^{2}+4x+1)\Big/((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2})$$

Sequence: A314684
Score: 4.74266
Type of gen. func.: ogf

$$(x^{12}+4x^{11}+4x^{10}+4x^{9}+4x^{8}+5x^{7}+4x^{6}+5x^{5}+4x^{4}+4x^{3}+4x^{2}+4x+1)\Big/((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2})$$

Sequence: A314685
Score: 6.35255
Type of gen. func.: ogf

$$\frac{x^{6}+4x^{5}+4x^{4}+4x^{3}+4x^{2}+4x+1}{(x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A314685
Score: 7.44546
Type of gen. func.: ogf

$$\frac{x^{6} + 4 x^{5} + 4 x^{4} + 4 x^{3} + 4 x^{2} + 4 x + 1}{(x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A314688
Score: 4.35489
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^{9} - 2 x^{8} + 3 x^{7} + x^{5} + 3 x^{3} - 2 x^{2} + 2 x + 1}{(x^{2} + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A314688
Score: 4.61619
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^{9} - 2 x^{8} + 3 x^{7} + x^{5} + 3 x^{3} - 2 x^{2} + 2 x + 1}{(x^{2} + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A314689
Score: 3.33177
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 4 x^{10} + 4 x^{9} + 4 x^{8} + 5 x^{7} + 6 x^{6} + 5 x^{5} + 4 x^{4} + 4 x^{3} + 4 x^{2} + 4 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A314689
Score: 4.76945
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 4 x^{10} + 4 x^{9} + 4 x^{8} + 5 x^{7} + 6 x^{6} + 5 x^{5} + 4 x^{4} + 4 x^{3} + 4 x^{2}$$

$$+ 4 x + 1) \Big/ ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A314691
Score: 5.04594
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^{9} + x^{6} + 4 x^{5} + x^{4} + 3 x + 1}{(x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A314691
Score: 5.15807
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^{9} + x^{6} + 4 x^{5} + x^{4} + 3 x + 1}{(x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A314692
Score: 5.36766
Type of gen. func.: ogf

$$\frac{(x^{4} + x^{3} + x^{2} + x + 1) (x^{6} + 3 x^{5} + 3 x + 1)}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A314692
Score: 5.45219
Type of gen. func.: ogf

$$\frac{(x^{4} + x^{3} + x^{2} + x + 1) (x^{6} + 3 x^{5} + 3 x + 1)}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A314698
Score: 3.23011
Type of gen. func.: ogf

$$-\frac{(2x^{16}-2x^{15}+2x^{13}-2x^{12}-x^{10}-2x^{9}+x^{8}-9x^{7}+5x^{6}-7x^{5}+x^{4}-5x^{3}+x^{2}-2x-1)(x+1)^{2}}{(x^{4}+x^{3}+x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2}}$$

Sequence: A314706
Score: 4.3577
Type of gen. func.: ogf

$$\frac{x^{10}+4x^{9}+4x^{8}+3x^{7}+x^{6}+x^{4}+3x^{3}+4x^{2}+4x+1}{(x^{2}+1)(x^{2}+x+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A314706
Score: 4.55971
Type of gen. func.: ogf

$$\frac{x^{10}+4x^{9}+4x^{8}+3x^{7}+x^{6}+x^{4}+3x^{3}+4x^{2}+4x+1}{(x^{2}+1)(x^{2}+x+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A314707
Score: 3.56922
Type of gen. func.: ogf

$$\frac{(x^{2}+1)(x^{8}+2x^{7}-2x^{6}+2x^{5}+2x^{3}-2x^{2}+2x+1)(x+1)^{2}}{(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A314707
Score: 4.74266
Type of gen. func.: ogf

2 8 7 6 5 3 2 2

```
      (x  + 1) (x  + 2 x  - 2 x  + 2 x  + 2 x  - 2 x  + 2 x + 1) (x + 1)
      --------------------------------------------------------------------
          10    9    8    7    6    5    4    3    2                 2
        (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x - 1)
```

Sequence: A314708
Score: 3.89005
Type of gen. func.: ogf

```
        10      9    8      7      6      5      4      3    2
       x   + 3 x  + x  + 3 x  + 2 x  + 2 x  + 2 x  + 3 x  + x  + 3 x + 1
       ------------------------------------------------------------------
              4    3    2            4    3    2                 2
            (x  + x  + x  + x + 1) (x  - x  + x  - x + 1) (x - 1)
```

Sequence: A314710
Score: 4.77537
Type of gen. func.: ogf

```
           8      7    6      5      4      3    2                   2
         (x  + 2 x  - x  + 4 x  - 2 x  + 4 x  - x  + 2 x + 1) (x + 1)
         --------------------------------------------------------------
                        2            6    3             2
                      (x  + x + 1) (x  + x  + 1) (x - 1)
```

Sequence: A314710
Score: 5.45219
Type of gen. func.: ogf

```
           8      7    6      5      4      3    2                   2
         (x  + 2 x  - x  + 4 x  - 2 x  + 4 x  - x  + 2 x + 1) (x + 1)
         --------------------------------------------------------------
                        2            6    3             2
                      (x  + x + 1) (x  + x  + 1) (x - 1)
```

Sequence: A314712
Score: 3.39426
Type of gen. func.: ogf

```
  12      11    10      9      8      7      6      5      4      3    2
(x   + 3 x   + x   + 3 x  + 2 x  + 2 x  + 3 x  + 2 x  + 2 x  + 3 x  + x  + 3 x

            /    2        2            2            4    2             2
     + 1)  /  ((x  + 1) (x  + x + 1) (x  - x + 1) (x  - x  + 1) (x - 1) )
          /
```

Sequence: A314717

Score: 3.66495
Type of gen. func.: ogf

$$-(x^{13}-x^{12}+x^{11}-2x^{10}-3x^9-7x^8-2x^7-12x^6-8x^5-9x^4-5x^3-4x^2-4x-1) / ((x^2+x+1)(x-1)^2(x+1)^2(x^2-x+1)^2)$$

Sequence: A314720
Score: 3.64576
Type of gen. func.: ogf

$$\frac{(x^2+1)(x^{10}+4x^9+3x^8+2x^6+5x^5+2x^4+3x^2+4x+1)}{(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A314720
Score: 4.76945
Type of gen. func.: ogf

$$\frac{(x^2+1)(x^{10}+4x^9+3x^8+2x^6+5x^5+2x^4+3x^2+4x+1)}{(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A314725
Score: 3.91202
Type of gen. func.: ogf

$$\frac{x^{10}+3x^9+x^8+3x^7+2x^6+3x^5+2x^4+3x^3+x^2+3x+1}{(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x-1)^2}$$

Sequence: A314726
Score: 3.41343
Type of gen. func.: ogf

$$(x^{12}+3x^{11}+x^{10}+3x^9+2x^8+3x^7+2x^6+3x^5+2x^4+3x^3+x^2+3x+1) / ((x^2+1)(x^2+x+1)(x^2-x+1)(x^4-x^2+1)(x-1)^2)$$

Sequence: A314736
Score: 5.23564
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + x^5 + 4 x^4 + x^3 + 3 x + 1}{(x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A314736
Score: 7.17876
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + x^5 + 4 x^4 + x^3 + 3 x + 1}{(x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A314737
Score: 3.43261
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + x^{10} + 3 x^9 + 2 x^8 + 4 x^7 + x^6 + 4 x^5 + 2 x^4 + 3 x^3 + x^2 + 3 x + 1) / ((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2)$$

Sequence: A314740
Score: 3.934
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + x^8 + 3 x^7 + 2 x^6 + 4 x^5 + 2 x^4 + 3 x^3 + x^2 + 3 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A314741
Score: 3.35049
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 4 x^{10} + 4 x^{9} + 5 x^{8} + 6 x^{7} + 6 x^{6} + 6 x^{5} + 5 x^{4} + 4 x^{3} + 4 x^{2} + 4 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A314741
Score: 4.79625
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 4 x^{10} + 4 x^{9} + 5 x^{8} + 6 x^{7} + 6 x^{6} + 6 x^{5} + 5 x^{4} + 4 x^{3} + 4 x^{2} + 4 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A314742
Score: 4.21655
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^{9} - 2 x^{8} + 3 x^{7} + x^{6} + x^{4} + 3 x^{3} - 2 x^{2} + 2 x + 1}{(x^{2} + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A314742
Score: 4.45674
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^{9} - 2 x^{8} + 3 x^{7} + x^{6} + x^{4} + 3 x^{3} - 2 x^{2} + 2 x + 1}{(x^{2} + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A314743
Score: 3.33177
Type of gen. func.: ogf

$$(x^{6} + 4 x^{5} + 4 x^{4} + 4 x^{3} + 4 x^{2} + 4 x + 1)$$

$$(x^8 + 2 x^7 + 2 x^6 + 3 x^5 + 5 x^4 + 3 x^3 + 2 x^2 + 2 x + 1) / ((x^2 - x + 1) (x - 1)^2 (x + 1)^2 (x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A314752
Score: 3.33177
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 4 x^{10} + 4 x^9 + 6 x^8 + 4 x^7 + 4 x^6 + 4 x^5 + 6 x^4 + 4 x^3 + 4 x^2 + 4 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A314752
Score: 4.76945
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 4 x^{10} + 4 x^9 + 6 x^8 + 4 x^7 + 4 x^6 + 4 x^5 + 6 x^4 + 4 x^3 + 4 x^2 + 4 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A314753
Score: 5.08277
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^4 + 2 x^3 - 2 x^2 + 2 x + 1) (x + 1)^2}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314753
Score: 6.38844
Type of gen. func.: ogf

$$(x^2 + 1) (x^4 + 2 x^3 - 2 x^2 + 2 x + 1) (x + 1)^2$$

$$\overline{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314754
Score: 3.91202
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + x^8 + 3 x^7 + 3 x^6 + x^5 + 3 x^4 + 3 x^3 + x^2 + 3 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A314757
Score: 3.09484
Type of gen. func.: ogf

$$- (x^{16} - x^{15} + x^{14} - x^{13} + x^{11} - 3 x^{10} - 2 x^9 - 8 x^8 - 6 x^7 - 11 x^6 - 8 x^5 - 10 x^4 - 8 x^3 - 5 x^2 - 4 x - 1) \Big/ ((x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A314758
Score: 4.32509
Type of gen. func.: ogf

$$\frac{(x^8 + 2 x^7 - x^6 + 3 x^5 - 3 x^4 + 3 x^3 - x^2 + 2 x + 1) (x + 1)^2}{(x^2 + 1) (x^2 + x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A314758
Score: 4.61152
Type of gen. func.: ogf

$$\frac{(x^8 + 2 x^7 - x^6 + 3 x^5 - 3 x^4 + 3 x^3 - x^2 + 2 x + 1) (x + 1)^2}{(x^2 + 1) (x^2 + x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A314762
Score: 3.33177
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 10 x^{10} + 17 x^9 + 24 x^8 + 31 x^7 + 32 x^6 + 31 x^5 + 24 x^4 + 17 x^3 + 10 x^2 + 5 x + 1) / ((x^2 - x + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^2 (x^2 + x + 1)^2)$$

Sequence: A314763
Score: 5.08277
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 4 x^6 + 5 x^5 + 9 x^4 + 5 x^3 + 4 x^2 + 4 x + 1}{(x^2 + 1) (x^2 - x + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A314763
Score: 5.23564
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 4 x^6 + 5 x^5 + 9 x^4 + 5 x^3 + 4 x^2 + 4 x + 1}{(x^2 + 1) (x^2 - x + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A314765
Score: 3.43025
Type of gen. func.: ogf

$$\frac{(x^{10} + 2 x^9 - x^8 + 4 x^7 - x^6 + 3 x^5 - x^4 + 4 x^3 - x^2 + 2 x + 1) (x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314765
Score: 4.76945
Type of gen. func.: ogf

10 9 8 7 6 5 4 3 2 2

$$\frac{(x + 2 x - x + 4 x - x + 3 x - x + 4 x - x + 2 x + 1) (x + 1)}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A314766
Score: 3.934
Type of gen. func.: ogf

$$- (x^{16} + 3 x^{14} - x^{13} - x^{12} - 3 x^{10} + 2 x^{9} - 4 x^{8} - 5 x^{7} - 11 x^{6} - 14 x^{5} - 17 x^{4} - 13 x^{3} - 9 x^{2} - 5 x - 1) / ((x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2})$$

Sequence: A314766
Score: 4.32254
Type of gen. func.: ogf

$$- (x^{16} + 3 x^{14} - x^{13} - x^{12} - 3 x^{10} + 2 x^{9} - 4 x^{8} - 5 x^{7} - 11 x^{6} - 14 x^{5} - 17 x^{4} - 13 x^{3} - 9 x^{2} - 5 x - 1) / ((x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2})$$

Sequence: A314770
Score: 4.21839
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + 4 x^{8} + 3 x^{7} + 2 x^{6} + x^{5} + 2 x^{4} + 3 x^{3} + 4 x^{2} + 4 x + 1}{(x^{2} + 1) (x^{2} + x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A314770
Score: 4.40410
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + 4 x^{8} + 3 x^{7} + 2 x^{6} + x^{5} + 2 x^{4} + 3 x^{3} + 4 x^{2} + 4 x + 1}{(x^{2} + 1) (x^{2} + x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A314772
Score: 4.14214
Type of gen. func.: ogf

$$- (2 x^{13} + 2 x^{12} - x^{10} - 7 x^9 - 13 x^8 - 17 x^7 - 21 x^6 - 24 x^5 - 19 x^4 - 13 x^3 - 9 x^2 - 5 x - 1) / ((x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A314772
Score: 4.79023
Type of gen. func.: ogf

$$- (2 x^{13} + 2 x^{12} - x^{10} - 7 x^9 - 13 x^8 - 17 x^7 - 21 x^6 - 24 x^5 - 19 x^4 - 13 x^3 - 9 x^2 - 5 x - 1) / ((x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A314776
Score: 5.80283
Type of gen. func.: ogf

$$\frac{x^8 + 5 x^7 + 9 x^6 + 13 x^5 + 18 x^4 + 13 x^3 + 9 x^2 + 5 x + 1}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A314776
Score: 6.44759
Type of gen. func.: ogf

$$\frac{x^8 + 5 x^7 + 9 x^6 + 13 x^5 + 18 x^4 + 13 x^3 + 9 x^2 + 5 x + 1}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A314778
Score: 4.60692
Type of gen. func.: ogf

$$- (x^{17} + x^{11} - x^{10} - 3 x^8 - 6 x^7 - 10 x^6 - 14 x^5 - 18 x^4 - 13 x^3 - 9 x^2 - 5 x$$

$$/ \quad {}^2 \quad {}^2 \quad {}^2 \quad {}^2$$

```
     - 1)  /  ((x - 1)  (x + 1)  (x  + 1) )
          /
```

Sequence: A314778
Score: 5.14891
Type of gen. func.: ogf

```
    17    11    10      8      7       6       5       4       3      2
- (x   + x   - x   - 3 x  - 6 x  - 10 x  - 14 x  - 18 x  - 13 x  - 9 x  - 5 x

            /         2        2   2     2
     - 1)  /  ((x - 1)  (x + 1)  (x  + 1) )
          /
```

Sequence: A314779
Score: 3.39928
Type of gen. func.: ogf

```
    2            9    8    7      6      5      4       3      2
- (x  - x + 1) (x  + x  + x  - 3 x  - 7 x  - 9 x  - 10 x  - 6 x  - 4 x - 1)

           2   /    2            4    3    2            2             2
    (x + 1)   /  ((x  + x + 1) (x  + x  + x  + x + 1) (x  + 1) (x - 1) )
             /
```

Sequence: A314787
Score: 3.44952
Type of gen. func.: ogf

```
  14      13      12       11       10       9       8       7       6       5
(x   + 5 x   + 9 x   + 13 x   + 21 x   + 23 x  + 29 x  + 32 x  + 29 x  + 23 x

           4       3      2              /         2
     + 21 x  + 13 x  + 9 x  + 5 x + 1)  /  ((x - 1)
                                       /

      6    5    4    3    2         2
    (x  + x  + x  + x  + x  + x + 1) )
```

Sequence: A314787
Score: 4.16817
Type of gen. func.: ogf

```
  14      13      12       11       10       9       8       7       6       5
(x   + 5 x   + 9 x   + 13 x   + 21 x   + 23 x  + 29 x  + 32 x  + 29 x  + 23 x

           4       3      2              /         2
     + 21 x  + 13 x  + 9 x  + 5 x + 1)  /  ((x - 1)
                                       /

      6    5    4    3    2         2
```

$(x + x + x + x + x + x + 1))$

Sequence: A314789
Score: 4.93135
Type of gen. func.: ogf

$$-\frac{x^{11} + x^{9} - 2 x^{8} - 6 x^{7} - 11 x^{6} - 14 x^{5} - 19 x^{4} - 13 x^{3} - 9 x^{2} - 5 x - 1}{(x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2}}$$

Sequence: A314789
Score: 5.55756
Type of gen. func.: ogf

$$-\frac{x^{11} + x^{9} - 2 x^{8} - 6 x^{7} - 11 x^{6} - 14 x^{5} - 19 x^{4} - 13 x^{3} - 9 x^{2} - 5 x - 1}{(x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2}}$$

Sequence: A314801
Score: 3.51885
Type of gen. func.: ogf

$$(x^{2} + x + 1) (x^{12} + 4 x^{11} + 4 x^{10} + 6 x^{9} + 6 x^{8} + 11 x^{7} + 10 x^{6} + 11 x^{5} + 6 x^{4} + 6 x^{3} + 4 x^{2} + 4 x + 1) \Big/ ((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A314801
Score: 4.16817
Type of gen. func.: ogf

$$(x^{2} + x + 1) (x^{12} + 4 x^{11} + 4 x^{10} + 6 x^{9} + 6 x^{8} + 11 x^{7} + 10 x^{6} + 11 x^{5} + 6 x^{4} + 6 x^{3} + 4 x^{2} + 4 x + 1) \Big/ ((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A314807
Score: 3.42786
Type of gen. func.: ogf

$$(x^{15} + 4 x^{14} + 6 x^{13} + 7 x^{12} + 11 x^{11} + 10 x^{10} + 15 x^{9} + 15 x^{8} + 19 x^{7} + 11 x^{6} + 14 x^{5} + 8 x^{4} + 9 x^{3} + 5 x^{2} + 4 x + 1) / ((x + 1) (x - 1)^{2} (x^{2} + 1)^{2} (x^{4} + 1)^{2})$$

Sequence: A314811
Score: 4.07311
Type of gen. func.: ogf

$$(x^{11} + 4 x^{10} + 6 x^{9} + 7 x^{8} + 10 x^{7} + 12 x^{6} + 14 x^{5} + 8 x^{4} + 9 x^{3} + 5 x^{2} + 4 x + 1) / ((x + 1) (x - 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2})$$

Sequence: A314816
Score: 3.53663
Type of gen. func.: ogf

$$- (x^{15} + x^{14} - x^{13} + x^{11} - 3 x^{10} - 6 x^{9} - 3 x^{8} - 5 x^{7} - 6 x^{6} - 9 x^{5} - 4 x^{4} - 5 x^{3} - 4 x^{2} - 4 x - 1) / ((x^{4} + x^{3} + x^{2} + x + 1) (x^{4} + 1) (x - 1)^{2})$$

Sequence: A314823
Score: 3.43025
Type of gen. func.: ogf

$$(x^{14} + 5 x^{13} + 9 x^{12} + 14 x^{11} + 18 x^{10} + 21 x^{9} + 27 x^{8} + 32 x^{7} + 27 x^{6} + 21 x^{5} + 18 x^{4} + 14 x^{3} + 9 x^{2} + 5 x + 1) / ((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A314823
Score: 4.14488
Type of gen. func.: ogf

$$(x^{14} + 5 x^{13} + 9 x^{12} + 14 x^{11} + 18 x^{10} + 21 x^{9} + 27 x^{8} + 32 x^{7} + 27 x^{6} + 21 x^{5} + 18 x^{4} + 14 x^{3} + 9 x^{2} + 5 x + 1) / ((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A314825
Score: 5.88475
Type of gen. func.: ogf

$$\frac{x^{8} + 4 x^{7} + 3 x^{6} - 3 x^{4} + 3 x^{2} + 4 x + 1}{(x^{2} + x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A314826
Score: 3.70282
Type of gen. func.: ogf

$$\frac{(x^{2} + x + 1) (x^{10} + 3 x^{9} + 2 x^{7} + 2 x^{6} + 2 x^{4} + 2 x^{3} + 3 x + 1)}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A314826
Score: 4.74266
Type of gen. func.: ogf

$$\frac{(x^{2} + x + 1) (x^{10} + 3 x^{9} + 2 x^{7} + 2 x^{6} + 2 x^{4} + 2 x^{3} + 3 x + 1)}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A314827
Score: 4.14628
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^{9} + x^{8} + 4 x^{7} + 4 x^{5} + 4 x^{3} + x^{2} + 3 x + 1}{(x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A314827
Score: 4.27425
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^{9} + x^{8} + 4 x^{7} + 4 x^{5} + 4 x^{3} + x^{2} + 3 x + 1}{(x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A314828
Score: 4.61619
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + 4 x^{8} + 5 x^{7} + 4 x^{6} + 4 x^{5} + 4 x^{4} + 5 x^{3} + 4 x^{2} + 4 x + 1}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A314828
Score: 5.45219
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + 4 x^{8} + 5 x^{7} + 4 x^{6} + 4 x^{5} + 4 x^{4} + 5 x^{3} + 4 x^{2} + 4 x + 1}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A314829
Score: 7.44546
Type of gen. func.: ogf

$$\frac{(x^{2} + x + 1) (x^{4} + 2 x^{3} - 3 x^{2} + 2 x + 1)}{(x - 1)^{2} (x^{4} + 1)}$$

Sequence: A314829
Score: 7.44546
Type of gen. func.: ogf

$$(x^{2} + x + 1) (x^{4} + 2 x^{3} - 3 x^{2} + 2 x + 1)$$

$$\overline{(x-1)^2\,(x^4+1)}$$

Sequence: A314830
Score: 3.68313
Type of gen. func.: ogf

$$\frac{x^{12}+3x^{11}+x^{10}+4x^9+4x^7+x^6+4x^5+4x^3+x^2+3x+1}{(x^2+1)\,(x^2+x+1)\,(x^2-x+1)\,(x^4-x^2+1)\,(x-1)^2}$$

Sequence: A314832
Score: 3.33177
Type of gen. func.: ogf

$$(x^{12}+4x^{11}+4x^{10}+5x^9+4x^8+4x^7+6x^6+4x^5+4x^4+5x^3+4x^2+4x+1)\Big/\left((x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)\,(x-1)^2\right)$$

Sequence: A314832
Score: 4.76945
Type of gen. func.: ogf

$$(x^{12}+4x^{11}+4x^{10}+5x^9+4x^8+4x^7+6x^6+4x^5+4x^4+5x^3+4x^2+4x+1)\Big/\left((x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)\,(x-1)^2\right)$$

Sequence: A314836
Score: 6.12768
Type of gen. func.: ogf

$$\frac{x^8+3x^7+x^5-x^4+x^3+3x+1}{(x^2+1)\,(x^4-x^2+1)\,(x-1)^2}$$

Sequence: A314836
Score: 6.35255
Type of gen. func.: ogf

$$\frac{x^8 + 3x^7 + x^5 - x^4 + x^3 + 3x + 1}{(x^2 + 1)(x^4 - x^2 + 1)(x - 1)^2}$$

Sequence: A314837
Score: 3.33177
Type of gen. func.: ogf

$$(x^{12} + 4x^{11} + 4x^{10} + 5x^9 + 4x^8 + 5x^7 + 4x^6 + 5x^5 + 4x^4 + 5x^3 + 4x^2 + 4x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A314837
Score: 4.76945
Type of gen. func.: ogf

$$(x^{12} + 4x^{11} + 4x^{10} + 5x^9 + 4x^8 + 5x^7 + 4x^6 + 5x^5 + 4x^4 + 5x^3 + 4x^2 + 4x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A314838
Score: 4.93858
Type of gen. func.: ogf

$$\frac{x^8 + 4x^7 + 4x^6 + 5x^5 + 4x^4 + 5x^3 + 4x^2 + 4x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A314838
Score: 6.38844
Type of gen. func.: ogf

$$\frac{x^8 + 4x^7 + 4x^6 + 5x^5 + 4x^4 + 5x^3 + 4x^2 + 4x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A314840
Score: 6.38844
Type of gen. func.: ogf

$$\frac{x^6 + 4x^5 + 4x^4 + 5x^3 + 4x^2 + 4x + 1}{(x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A314840
Score: 7.48753
Type of gen. func.: ogf

$$\frac{x^6 + 4x^5 + 4x^4 + 5x^3 + 4x^2 + 4x + 1}{(x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A314841
Score: 5.04594
Type of gen. func.: ogf

$$\frac{x^{10} + 3x^9 + x^7 + 4x^5 + x^3 + 3x + 1}{(x^2 + x + 1)(x^2 - x + 1)(x^4 - x^2 + 1)(x - 1)^2}$$

Sequence: A314841
Score: 5.15807
Type of gen. func.: ogf

```
                 10      9    7      5    3
                x   + 3 x  + x  + 4 x  + x  + 3 x + 1
           -----------------------------------------------
             2            2            4    2            2
```

$$(x + x + 1) (x - x + 1) (x - x + 1) (x - 1)$$

Sequence: A314847
Score: 4.64227
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + 4 x^{8} + 4 x^{7} + 2 x^{5} + 4 x^{3} + 4 x^{2} + 4 x + 1}{(x^{2} + x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A314847
Score: 4.86951
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + 4 x^{8} + 4 x^{7} + 2 x^{5} + 4 x^{3} + 4 x^{2} + 4 x + 1}{(x^{2} + x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A314848
Score: 5.23564
Type of gen. func.: ogf

$$\frac{x^{8} + 3 x^{7} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 3 x + 1}{(x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A314848
Score: 7.17876
Type of gen. func.: ogf

$$\frac{x^{8} + 3 x^{7} + 2 x^{5} + 2 x^{4} + 2 x^{3} + 3 x + 1}{(x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A314849
Score: 3.33177
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 4 x^{10} + 5 x^9 + 4 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 4 x^4 + 5 x^3 + 4 x^2 + 4 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A314849
Score: 4.76945
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 4 x^{10} + 5 x^9 + 4 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 4 x^4 + 5 x^3 + 4 x^2 + 4 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A314851
Score: 4.73143
Type of gen. func.: ogf

$$\frac{x^{12} + 3 x^{11} + x^{10} + 4 x^9 + x^8 + 9 x^7 + 9 x^5 + x^4 + 4 x^3 + x^2 + 3 x + 1}{(x^2 + 1) (x - 1)^2 (x^4 + 1)^2}$$

Sequence: A314861
Score: 3.31873
Type of gen. func.: ogf

$$- (x^{15} + 2 x^{14} + 2 x^{13} - 7 x^{11} - 18 x^{10} - 33 x^9 - 46 x^8 - 58 x^7 - 61 x^6 - 55 x^5 - 41 x^4 - 28 x^3 - 15 x^2 - 6 x - 1) / ((x^2 + x + 1) (x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A314874
Score: 4.22024
Type of gen. func.: ogf

$$\frac{(x^8 + 3 x^7 + 2 x^6 + 6 x^5 + 6 x^3 + 2 x^2 + 3 x + 1) (x + 1)^2}{(x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314874
Score: 5.12015
Type of gen. func.: ogf

$$\frac{(x^8 + 3 x^7 + 2 x^6 + 6 x^5 + 6 x^3 + 2 x^2 + 3 x + 1) (x + 1)^2}{(x^2 + x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314884
Score: 3.39426
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + x^{10} + 4 x^9 + x^8 + 3 x^7 + x^6 + 3 x^5 + x^4 + 4 x^3 + x^2 + 3 x + 1) / ((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2)$$

Sequence: A314885
Score: 3.36396
Type of gen. func.: ogf

$$(x^2 + 1) (x^{10} + 4 x^9 + 3 x^8 + x^7 + 2 x^6 + 3 x^5 + 2 x^4 + x^3 + 3 x^2 + 4 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A314885
Score: 4.76945
Type of gen. func.: ogf

$$(x^2 + 1) (x^{10} + 4 x^9 + 3 x^8 + x^7 + 2 x^6 + 3 x^5 + 2 x^4 + x^3 + 3 x^2 + 4 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A314886
Score: 3.91202
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^{9} + x^{8} + 4 x^{7} + x^{6} + 3 x^{5} + x^{4} + 4 x^{3} + x^{2} + 3 x + 1}{(x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A314887
Score: 4.24598
Type of gen. func.: ogf

$$(x^{2} + 1) (x^{12} + 4 x^{11} + 3 x^{10} + x^{9} + 2 x^{8} + 3 x^{7} + 2 x^{6} + 3 x^{5} + 2 x^{4} + x^{3} + 3 x^{2} + 4 x + 1) / ((x^{12} + x^{11} + x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A314890
Score: 3.43025
Type of gen. func.: ogf

$$(x^{10} + 2 x^{9} - x^{8} + 5 x^{7} - 4 x^{6} + 7 x^{5} - 4 x^{4} + 5 x^{3} - x^{2} + 2 x + 1) (x + 1)^{2} / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A314890
Score: 4.76945
Type of gen. func.: ogf

$$(x^{10} + 2 x^{9} - x^{8} + 5 x^{7} - 4 x^{6} + 7 x^{5} - 4 x^{4} + 5 x^{3} - x^{2} + 2 x + 1) (x + 1)^{2} / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A314891
Score: 3.68554

Type of gen. func.: ogf

$$-(x^{13} - x^{12} + x^{11} - 2 x^{10} - 3 x^9 - 7 x^8 - 3 x^7 - 12 x^6 - 8 x^5 - 9 x^4 - 6 x^3 - 4 x^2 - 4 x - 1) / ((x^2 + x + 1) (x - 1)^2 (x + 1)^2 (x^2 - x + 1)^2)$$

Sequence: A314893
Score: 3.55276
Type of gen. func.: ogf

$$\frac{x^{12} + 3 x^{11} + x^{10} + 4 x^9 + x^8 + 4 x^7 + 4 x^5 + x^4 + 4 x^3 + x^2 + 3 x + 1}{(x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A314894
Score: 3.36396
Type of gen. func.: ogf

$$(x^2 + 1) (x^{10} + 4 x^9 + 3 x^8 + x^7 + 2 x^6 + 4 x^5 + 2 x^4 + x^3 + 3 x^2 + 4 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A314894
Score: 4.76945
Type of gen. func.: ogf

$$(x^2 + 1) (x^{10} + 4 x^9 + 3 x^8 + x^7 + 2 x^6 + 4 x^5 + 2 x^4 + x^3 + 3 x^2 + 4 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A314896
Score: 4.69968
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + x^6 + 4 x^5 + x^4 + 4 x^3 + x^2 + 3 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A314896
Score: 5.78721
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + x^6 + 4 x^5 + x^4 + 4 x^3 + x^2 + 3 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A314898
Score: 3.934
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + x^8 + 4 x^7 + x^6 + 4 x^5 + x^4 + 4 x^3 + x^2 + 3 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A314899
Score: 4.21839
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 4 x^8 + 4 x^7 + x^6 + x^5 + x^4 + 4 x^3 + 4 x^2 + 4 x + 1}{(x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A314899
Score: 4.40410
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 4 x^8 + 4 x^7 + x^6 + x^5 + x^4 + 4 x^3 + 4 x^2 + 4 x + 1}{(x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A314901
Score: 3.41827
Type of gen. func.: ogf

17 16 15 14 12 11 10 9 8 7 6

$$- (x + x + x + 2 x - x - x - 4 x - 8 x - 11 x - 16 x - 20 x$$

$$- 22 x^5 - 19 x^4 - 14 x^3 - 9 x^2 - 5 x - 1) / ((x - 1)^2$$

$$(x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A314902
Score: 3.74466
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^{10} + 3 x^9 + 2 x^7 + 3 x^6 + 3 x^4 + 2 x^3 + 3 x + 1)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314902
Score: 4.79625
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^{10} + 3 x^9 + 2 x^7 + 3 x^6 + 3 x^4 + 2 x^3 + 3 x + 1)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A314903
Score: 4.57249
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + x^7 + x^6 + 3 x^5 + x^4 + x^3 + 3 x + 1}{(x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A314903
Score: 4.66334
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + x^7 + x^6 + 3 x^5 + x^4 + x^3 + 3 x + 1}{(x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A314906
Score: 3.74555
Type of gen. func.: ogf

$$-(x^{15}+2x^{14}+x^{12}+x^{11}-4x^{10}-8x^{9}-11x^{8}-17x^{7}-21x^{6}-22x^{5}-19x^{4}-14x^{3}-9x^{2}-5x-1)\Big/\left((x-1)^{2}(x^{4}+x^{3}+x^{2}+x+1)^{2}\right)$$

Sequence: A314906
Score: 4.26766
Type of gen. func.: ogf

$$-(x^{15}+2x^{14}+x^{12}+x^{11}-4x^{10}-8x^{9}-11x^{8}-17x^{7}-21x^{6}-22x^{5}-19x^{4}-14x^{3}-9x^{2}-5x-1)\Big/\left((x-1)^{2}(x^{4}+x^{3}+x^{2}+x+1)^{2}\right)$$

Sequence: A314908
Score: 4.45673
Type of gen. func.: ogf

$$-\frac{2x^{10}-2x^{9}+2x^{8}-5x^{7}-x^{6}-3x^{5}-3x^{4}-5x^{3}-x^{2}-3x-1}{(x+1)(x^{2}-x+1)(x^{2}+1)(x-1)^{2}}$$

Sequence: A314908
Score: 4.45674
Type of gen. func.: ogf

$$-\frac{2x^{10}-2x^{9}+2x^{8}-5x^{7}-x^{6}-3x^{5}-3x^{4}-5x^{3}-x^{2}-3x-1}{(x+1)(x^{2}-x+1)(x^{2}+1)(x-1)^{2}}$$

Sequence: A314912
Score: 3.43261
Type of gen. func.: ogf

$$(x^{12}+3x^{11}+x^{10}+4x^{9}+x^{8}+5x^{7}-x^{6}+5x^{5}+x^{4}+4x^{3}+x^{2}+3x+1)$$

$$/ \left((x^2 + 1)(x^2 + x + 1)(x^2 - x + 1)(x^4 - x^2 + 1)(x - 1)^2\right)$$

Sequence: A314915
Score: 3.38286
Type of gen. func.: ogf

$$(x^2 + 1)(x^{10} + 4 x^9 + 3 x^8 + x^7 + 2 x^6 + 5 x^5 + 2 x^4 + x^3 + 3 x^2 + 4 x + 1)$$

$$/ \left((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2\right)$$

Sequence: A314915
Score: 4.79625
Type of gen. func.: ogf

$$(x^2 + 1)(x^{10} + 4 x^9 + 3 x^8 + x^7 + 2 x^6 + 5 x^5 + 2 x^4 + x^3 + 3 x^2 + 4 x + 1)$$

$$/ \left((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2\right)$$

Sequence: A314916
Score: 4.19313
Type of gen. func.: ogf

$$- \frac{x^{12} + x^{10} - x^9 - 2 x^8 - 5 x^7 - 5 x^6 - 6 x^5 - 8 x^4 - 6 x^3 - 4 x^2 - 4 x - 1}{(x^2 + 1)(x^2 - x + 1)(x - 1)^2 (x + 1)^2}$$

Sequence: A314916
Score: 4.40410
Type of gen. func.: ogf

$$- \frac{x^{12} + x^{10} - x^9 - 2 x^8 - 5 x^7 - 5 x^6 - 6 x^5 - 8 x^4 - 6 x^3 - 4 x^2 - 4 x - 1}{(x^2 + 1)(x^2 - x + 1)(x - 1)^2 (x + 1)^2}$$

Sequence: A314920
Score: 4.19313
Type of gen. func.: ogf

$$-\left(x^{13}-2x^{10}-5x^{9}-10x^{8}-7x^{7}-11x^{6}-11x^{5}-10x^{4}-9x^{3}-8x^{2}-5x-1\right)\Big/\left((x^{2}+1)(x^{4}+1)(x-1)^{2}(x+1)^{2}\right)$$

Sequence: A314920
Score: 4.86286
Type of gen. func.: ogf

$$-\left(x^{13}-2x^{10}-5x^{9}-10x^{8}-7x^{7}-11x^{6}-11x^{5}-10x^{4}-9x^{3}-8x^{2}-5x-1\right)\Big/\left((x^{2}+1)(x^{4}+1)(x-1)^{2}(x+1)^{2}\right)$$

Sequence: A314922
Score: 4.76945
Type of gen. func.: ogf

$$-\frac{x^{10}+x^{9}+x^{8}-3x^{7}-8x^{6}-17x^{5}-21x^{4}-21x^{3}-14x^{2}-6x-1}{(x+1)(x-1)^{2}(x^{2}+x+1)^{2}}$$

Sequence: A314933
Score: 3.44952
Type of gen. func.: ogf

$$(x+1)\left(x^{13}+4x^{12}+6x^{11}+8x^{10}+11x^{9}+12x^{8}+16x^{7}+16x^{6}+12x^{5}+11x^{4}+9x^{3}+5x^{2}+4x+1\right)\Big/\left((x-1)^{2}(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)^{2}\right)$$

Sequence: A314933
Score: 4.14350
Type of gen. func.: ogf

$$(x + 1) (x^{13} + 4 x^{12} + 6 x^{11} + 8 x^{10} + 11 x^9 + 12 x^8 + 16 x^7 + 16 x^6 + 12 x^5 + 11 x^4 + 9 x^3 + 5 x^2 + 4 x + 1) / ((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1))$$

Sequence: A314935
Score: 3.62825
Type of gen. func.: ogf

$$- (x^{17} + x^{13} - x^{12} - x^{10} - x^9 - 7 x^8 - 9 x^7 - 14 x^6 - 14 x^5 - 15 x^4 - 13 x^3 - 9 x^2 - 5 x - 1) / ((x + 1) (x^2 - x + 1) (x - 1)^2 (x^2 + x + 1)^2)$$

Sequence: A314935
Score: 4.34939
Type of gen. func.: ogf

$$- (x^{17} + x^{13} - x^{12} - x^{10} - x^9 - 7 x^8 - 9 x^7 - 14 x^6 - 14 x^5 - 15 x^4 - 13 x^3 - 9 x^2 - 5 x - 1) / ((x + 1) (x^2 - x + 1) (x - 1)^2 (x^2 + x + 1)^2)$$

Sequence: A314936
Score: 3.40421
Type of gen. func.: ogf

$$- (2 x^{16} + 2 x^{14} + x^{13} - 2 x^{12} - x^{11} - 2 x^{10} - x^9 - 2 x^8 - 8 x^7 - 8 x^6 - 9 x^5 - 11 x^4 - 9 x^3 - 8 x^2 - 5 x - 1) / ((x^2 + x + 1) (x^2 - x + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A314936
Score: 4.02316
Type of gen. func.: ogf

16 14 13 12 11 10 9 8 7 6 5

$$-(2x + 2x + x - 2x - x - 2x - x - 2x - 8x - 8x - 9x - 11x^4 - 9x^3 - 8x^2 - 5x - 1) / ((x^2 + x + 1)(x^2 - x + 1)(x - 1)^2 (x + 1)^2)$$

Sequence: A314938
Score: 3.80572
Type of gen. func.: ogf

$$-(x^{13} + x^{11} - x^{10} - x^9 - 7x^8 - 9x^7 - 15x^6 - 14x^5 - 15x^4 - 13x^3 - 9x^2 - 5x - 1) / ((x + 1)(x^2 - x + 1)(x - 1)^2 (x^2 + x + 1)^2)$$

Sequence: A314938
Score: 4.60692
Type of gen. func.: ogf

$$-(x^{13} + x^{11} - x^{10} - x^9 - 7x^8 - 9x^7 - 15x^6 - 14x^5 - 15x^4 - 13x^3 - 9x^2 - 5x - 1) / ((x + 1)(x^2 - x + 1)(x - 1)^2 (x^2 + x + 1)^2)$$

Sequence: A314941
Score: 5.98506
Type of gen. func.: ogf

$$\frac{x^6 + 3x^5 + 2x^4 + 7x^3 + 2x^2 + 3x + 1}{(x - 1)^2 (x^2 + 1)^2}$$

Sequence: A314941
Score: 7.868
Type of gen. func.: ogf

$$\frac{x^6 + 3x^5 + 2x^4 + 7x^3 + 2x^2 + 3x + 1}{(x - 1)^2 (x^2 + 1)^2}$$

Sequence: A314943
Score: 4.34939
Type of gen. func.: ogf

$$\frac{(x^2+1)(x^8+3x^7+x^5+2x^4+x^3+3x+1)}{(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x-1)^2}$$

Sequence: A314945
Score: 4.82932
Type of gen. func.: ogf

$$\frac{(x^8+2x^7-x^6+5x^5-3x^4+5x^3-x^2+2x+1)(x+1)^2}{(x^2+x+1)(x^6+x^3+1)(x-1)^2}$$

Sequence: A314945
Score: 5.51380
Type of gen. func.: ogf

$$\frac{(x^8+2x^7-x^6+5x^5-3x^4+5x^3-x^2+2x+1)(x+1)^2}{(x^2+x+1)(x^6+x^3+1)(x-1)^2}$$

Sequence: A314946
Score: 3.82651
Type of gen. func.: ogf

$$(x^{12}+4x^{11}+5x^{10}+8x^9+8x^8+12x^7+12x^6+12x^5+8x^4+8x^3+5x^2+4x+1) \Big/ \left((x^2-x+1)(x^4+1)(x-1)^2(x^2+x+1)^2\right)$$

Sequence: A314947
Score: 6.0185
Type of gen. func.: ogf

8   7   6   4   2

$$\frac{x + 4x + 3x - x + 3x + 4x + 1}{(x^2 + x + 1)(x^4 - x^2 + 1)(x - 1)^2}$$

Sequence: A314947
Score: 6.01850
Type of gen. func.: ogf

$$\frac{x^8 + 4x^7 + 3x^6 - x^4 + 3x^2 + 4x + 1}{(x^2 + x + 1)(x^4 - x^2 + 1)(x - 1)^2}$$

Sequence: A314948
Score: 3.68554
Type of gen. func.: ogf

$$(x^{12} + 3x^{11} + 2x^{10} + 7x^9 + 5x^8 + 10x^7 + 5x^6 + 10x^5 + 5x^4 + 7x^3 + 2x^2 + 3x + 1)(x + 1)^2 \Big/ ((x^2 + 1)(x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A314953
Score: 4.69968
Type of gen. func.: ogf

$$\frac{x^8 + 3x^7 + 2x^6 + 7x^5 + 3x^4 + 7x^3 + 2x^2 + 3x + 1}{(x^2 + 1)(x^2 + x + 1)(x^2 - x + 1)(x - 1)^2}$$

Sequence: A314953
Score: 4.82932
Type of gen. func.: ogf

$$\frac{x^8 + 3x^7 + 2x^6 + 7x^5 + 3x^4 + 7x^3 + 2x^2 + 3x + 1}{(x^2 + 1)(x^2 + x + 1)(x^2 - x + 1)(x - 1)^2}$$

Sequence: A314954

Score: 4.96633
Type of gen. func.: ogf

$$\frac{(x^2+1)(x^6+4x^5+3x^4+x^3+3x^2+4x+1)}{(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A314954
Score: 6.42433
Type of gen. func.: ogf

$$\frac{(x^2+1)(x^6+4x^5+3x^4+x^3+3x^2+4x+1)}{(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A314955
Score: 3.35049
Type of gen. func.: ogf

$$(x^{12}+4x^{11}+4x^{10}+5x^9+6x^8+5x^7+4x^6+5x^5+6x^4+5x^3+4x^2+4x+1) \Big/ ((x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2)$$

Sequence: A314955
Score: 4.79625
Type of gen. func.: ogf

$$(x^{12}+4x^{11}+4x^{10}+5x^9+6x^8+5x^7+4x^6+5x^5+6x^4+5x^3+4x^2+4x+1) \Big/ ((x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2)$$

Sequence: A314957
Score: 3.74555
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 4 x^{10} + 4 x^{9} + 3 x^{8} + 5 x^{7} + 3 x^{6} + 5 x^{5} + 3 x^{4} + 4 x^{3} + 4 x^{2} + 4 x + 1) / ((x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2} (x^{2} + x + 1)^{2})$$

Sequence: A314958
Score: 3.53851
Type of gen. func.: ogf

$$- (x^{19} - x^{18} + 2 x^{16} - 2 x^{15} + x^{14} - 3 x^{10} - 5 x^{9} - 2 x^{8} - 8 x^{7} - 4 x^{6} - 5 x^{5} - 6 x^{4} - 5 x^{3} - 4 x^{2} - 4 x - 1) / ((x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2})$$

Sequence: A314958
Score: 4.09398
Type of gen. func.: ogf

$$- (x^{19} - x^{18} + 2 x^{16} - 2 x^{15} + x^{14} - 3 x^{10} - 5 x^{9} - 2 x^{8} - 8 x^{7} - 4 x^{6} - 5 x^{5} - 6 x^{4} - 5 x^{3} - 4 x^{2} - 4 x - 1) / ((x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2})$$

Sequence: A314959
Score: 3.45178
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + x^{10} + 4 x^{9} + 2 x^{8} + 3 x^{7} + 2 x^{6} + 3 x^{5} + 2 x^{4} + 4 x^{3} + x^{2} + 3 x + 1) / ((x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2})$$

Sequence: A314961
Score: 6.01850
Type of gen. func.: ogf

$$\frac{x^{6} + 2 x^{5} - 2 x^{4} + 3 x^{3} - 2 x^{2} + 2 x + 1}{(x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A314961
Score: 6.46022
Type of gen. func.: ogf

$$\frac{x^6 + 2x^5 - 2x^4 + 3x^3 - 2x^2 + 2x + 1}{(x^4 - x^3 + x^2 - x + 1)(x - 1)^2}$$

Sequence: A314963
Score: 3.48596
Type of gen. func.: ogf

$$\frac{(x^2 + 1)(x^8 + 2x^7 - 2x^6 + 3x^5 - x^4 + 3x^3 - 2x^2 + 2x + 1)(x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A314963
Score: 4.82304
Type of gen. func.: ogf

$$\frac{(x^2 + 1)(x^8 + 2x^7 - 2x^6 + 3x^5 - x^4 + 3x^3 - 2x^2 + 2x + 1)(x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A314964
Score: 4.24195
Type of gen. func.: ogf

$$\frac{x^{10} + 4x^9 + 4x^8 + 4x^7 + 2x^6 + x^5 + 2x^4 + 4x^3 + 4x^2 + 4x + 1}{(x^2 + x + 1)(x^2 + 1)(x^4 - x^2 + 1)(x - 1)^2}$$

Sequence: A314964
Score: 4.42870
Type of gen. func.: ogf

$$x^{10} + 4x^9 + 4x^8 + 4x^7 + 2x^6 + x^5 + 2x^4 + 4x^3 + 4x^2 + 4x + 1$$

$$\overline{(x^2 + x + 1)\,(x^2 + 1)\,(x^4 - x^2 + 1)\,(x - 1)^2}$$

Sequence: A314969
Score: 4.72593
Type of gen. func.: ogf

$$\frac{x^8 + 3\,x^7 + x^6 + 4\,x^5 + 2\,x^4 + 4\,x^3 + x^2 + 3\,x + 1}{(x^4 + 1)\,(x^2 + 1)\,(x - 1)^2}$$

Sequence: A314969
Score: 5.81954
Type of gen. func.: ogf

$$\frac{x^8 + 3\,x^7 + x^6 + 4\,x^5 + 2\,x^4 + 4\,x^3 + x^2 + 3\,x + 1}{(x^4 + 1)\,(x^2 + 1)\,(x - 1)^2}$$

Sequence: A314970
Score: 3.45178
Type of gen. func.: ogf

$$(x^{12} + 3\,x^{11} + x^{10} + 4\,x^9 + 2\,x^8 + 4\,x^7 + x^6 + 4\,x^5 + 2\,x^4 + 4\,x^3 + x^2 + 3\,x + 1) \Big/ \left((x^2 + 1)\,(x^2 + x + 1)\,(x^2 - x + 1)\,(x^4 - x^2 + 1)\,(x - 1)^2\right)$$

Sequence: A314971
Score: 4.69443
Type of gen. func.: ogf

$$\frac{x^{10} + 4\,x^9 + 4\,x^8 + 5\,x^7 + 6\,x^6 + 6\,x^5 + 6\,x^4 + 5\,x^3 + 4\,x^2 + 4\,x + 1}{(x^2 + x + 1)\,(x^6 + x^3 + 1)\,(x - 1)^2}$$

Sequence: A314971
Score: 5.54460

Type of gen. func.: ogf

$$\frac{x^{10}+4x^{9}+4x^{8}+5x^{7}+6x^{6}+6x^{5}+6x^{4}+5x^{3}+4x^{2}+4x+1}{(x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2}}$$

Sequence: A314972
Score: 3.95598
Type of gen. func.: ogf

$$\frac{x^{10}+3x^{9}+x^{8}+4x^{7}+2x^{6}+4x^{5}+2x^{4}+4x^{3}+x^{2}+3x+1}{(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)(x-1)^{2}}$$

Sequence: A314973
Score: 3.42066
Type of gen. func.: ogf

$$(x^{2}+1)(x^{10}+4x^{9}+3x^{8}+x^{7}+3x^{6}+5x^{5}+3x^{4}+x^{3}+3x^{2}+4x+1) / ((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2})$$

Sequence: A314973
Score: 4.84984
Type of gen. func.: ogf

$$(x^{2}+1)(x^{10}+4x^{9}+3x^{8}+x^{7}+3x^{6}+5x^{5}+3x^{4}+x^{3}+3x^{2}+4x+1) / ((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2})$$

Sequence: A314974
Score: 4.26552
Type of gen. func.: ogf

$$\frac{x^{10}+4x^{9}+4x^{8}+4x^{7}+2x^{6}+2x^{5}+2x^{4}+4x^{3}+4x^{2}+4x+1}{(x^{2}+x+1)(x^{2}+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A314974
Score: 4.45331
Type of gen. func.: ogf

$$\frac{x^{10}+4x^9+4x^8+4x^7+2x^6+2x^5+2x^4+4x^3+4x^2+4x+1}{(x^2+x+1)(x^2+1)(x^4-x^2+1)(x-1)^2}$$

Sequence: A314975
Score: 3.24806
Type of gen. func.: ogf

$$(x^{12}+3x^{11}+2x^{10}+7x^9+4x^8+12x^7-x^6+12x^5+4x^4+7x^3+2x^2+3x+1)(x+1)^2 / ((x^2+x+1)(x^4+x^3+x^2+x+1)(x^6+x^3+1)(x-1)^2)$$

Sequence: A314975
Score: 4.02316
Type of gen. func.: ogf

$$(x^{12}+3x^{11}+2x^{10}+7x^9+4x^8+12x^7-x^6+12x^5+4x^4+7x^3+2x^2+3x+1)(x+1)^2 / ((x^2+x+1)(x^4+x^3+x^2+x+1)(x^6+x^3+1)(x-1)^2)$$

Sequence: A314981
Score: 3.80514
Type of gen. func.: ogf

$$(x^{12}+5x^{11}+9x^{10}+14x^9+21x^8+23x^7+30x^6+23x^5+21x^4+14x^3+9x^2+5x+1) / ((x-1)^2(x+1)^2(x^2+x+1)^2(x^2-x+1)^2)$$

Sequence: A314981
Score: 4.70500
Type of gen. func.: ogf

$$\left(x^{12} + 5 x^{11} + 9 x^{10} + 14 x^{9} + 21 x^{8} + 23 x^{7} + 30 x^{6} + 23 x^{5} + 21 x^{4} + 14 x^{3} + 9 x^{2} + 5 x + 1\right) \Big/ \left((x - 1)^{2} (x + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2}\right)$$

Sequence: A314982
Score: 3.68672
Type of gen. func.: ogf

$$- (x^{2} + 1) \left(2 x^{14} + 2 x^{13} - x^{12} + x^{10} - 3 x^{9} - 5 x^{8} - 5 x^{7} - 9 x^{6} - 12 x^{5} - 13 x^{4} - 9 x^{3} - 8 x^{2} - 5 x - 1\right) \Big/ \left((x - 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2}\right)$$

Sequence: A314982
Score: 4.04692
Type of gen. func.: ogf

$$- (x^{2} + 1) \left(2 x^{14} + 2 x^{13} - x^{12} + x^{10} - 3 x^{9} - 5 x^{8} - 5 x^{7} - 9 x^{6} - 12 x^{5} - 13 x^{4} - 9 x^{3} - 8 x^{2} - 5 x - 1\right) \Big/ \left((x - 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2}\right)$$

Sequence: A314994
Score: 4.32254
Type of gen. func.: ogf

$$- \frac{x^{10} - x^{9} + x^{8} - 3 x^{7} - 2 x^{6} - 8 x^{5} - x^{4} - 6 x^{3} - 4 x^{2} - 4 x - 1}{(x^{2} - x + 1) (x + 1) (x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A314994
Score: 5.55756
Type of gen. func.: ogf

10   9   8   7   6   5   4   3   2

```
         x   - x  + x  - 3 x  - 2 x  - 8 x  - x  - 6 x  - 4 x  - 4 x - 1
       - ----------------------------------------------------------------
                     2                    2                  2
                   (x  - x + 1) (x + 1) (x  + x + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A315001
Score: 3.34779
Type of gen. func.: ogf


  2
(x  + x + 1)

      12      11    10      9    8      7      5    4      3    2
    (x   + 3 x   + x   + 6 x  + x  + 7 x  + 7 x  + x  + 6 x  + x  + 3 x + 1)

       /    4    3    2                 2   4    3    2         2
      /  ((x  - x  + x  - x + 1) (x - 1)  (x  + x  + x  + x + 1) )
     /



------------------------------------------------------------------------------

Sequence:  A315010
Score: 3.48384
Type of gen. func.: ogf


    18      17      16      15    14      13      12      11      10       9
- (x   - 2 x   + 3 x   - 3 x   + x   - 3 x   - 5 x   - 4 x   - 4 x   - 13 x

        8       7       5      3      2              /         2   2     2
     - x  - 18 x  - 15 x  - 8 x  - 2 x  - 3 x - 1)  /  ((x - 1)  (x  + 1)
                                                   /

      4     2
    (x  + 1) )



------------------------------------------------------------------------------

Sequence:  A315018
Score: 4.9038
Type of gen. func.: ogf


                 10      9      8      7      3      2
                x   + 4 x  + 4 x  + 5 x  + 5 x  + 4 x  + 4 x + 1
                ------------------------------------------------
                    2            2        4    2             2
                  (x  + x + 1) (x  + 1) (x  - x  + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A315018
Score: 5.15807
Type of gen. func.: ogf


                 10      9      8      7      3      2
                x   + 4 x  + 4 x  + 5 x  + 5 x  + 4 x  + 4 x + 1
                ------------------------------------------------
                    2            2        4    2             2
```

$$(x + x + 1) (x + 1) (x - x + 1) (x - 1)$$

Sequence: A315019
Score: 3.33177
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 4 x^{10} + 6 x^9 + 4 x^8 + 4 x^7 + 6 x^6 + 4 x^5 + 4 x^4 + 6 x^3 + 4 x^2 + 4 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315019
Score: 4.76945
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 4 x^{10} + 6 x^9 + 4 x^8 + 4 x^7 + 6 x^6 + 4 x^5 + 4 x^4 + 6 x^3 + 4 x^2 + 4 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315020
Score: 4.67342
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + x^6 + 5 x^5 - x^4 + 5 x^3 + x^2 + 3 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A315020
Score: 5.75488
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 + x^6 + 5 x^5 - x^4 + 5 x^3 + x^2 + 3 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A315024
Score: 3.33177
Type of gen. func.: ogf

$$\left(x^{12} + 4 x^{11} + 4 x^{10} + 6 x^{9} + 4 x^{8} + 5 x^{7} + 4 x^{6} + 5 x^{5} + 4 x^{4} + 6 x^{3} + 4 x^{2} + 4 x + 1\right) \Big/ \left(\left(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1\right) (x - 1)^{2}\right)$$

Sequence: A315024
Score: 4.76945
Type of gen. func.: ogf

$$\left(x^{12} + 4 x^{11} + 4 x^{10} + 6 x^{9} + 4 x^{8} + 5 x^{7} + 4 x^{6} + 5 x^{5} + 4 x^{4} + 6 x^{3} + 4 x^{2} + 4 x + 1\right) \Big/ \left(\left(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1\right) (x - 1)^{2}\right)$$

Sequence: A315026
Score: 4.66835
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + 4 x^{8} + 5 x^{7} + x^{5} + 5 x^{3} + 4 x^{2} + 4 x + 1}{(x^{2} + x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A315026
Score: 4.89687
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + 4 x^{8} + 5 x^{7} + x^{5} + 5 x^{3} + 4 x^{2} + 4 x + 1}{(x^{2} + x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A315030
Score: 3.43261
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + x^{10} + 5 x^9 - x^8 + 7 x^7 - 3 x^6 + 7 x^5 - x^4 + 5 x^3 + x^2 + 3 x + 1) / ((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2)$$

Sequence: A315032
Score: 4.96633
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 4 x^6 + 6 x^5 + 4 x^4 + 6 x^3 + 4 x^2 + 4 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315032
Score: 6.42433
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 4 x^6 + 6 x^5 + 4 x^4 + 6 x^3 + 4 x^2 + 4 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315033
Score: 4.66835
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 4 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 4 x^4 + 6 x^3 + 4 x^2 + 4 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315033
Score: 5.51380
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 4 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 4 x^4 + 6 x^3 + 4 x^2 + 4 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315034
Score: 3.59104
Type of gen. func.: ogf

$$\frac{(x^{10} + 3 x^{9} + 3 x^{7} + x^{6} + 2 x^{5} + x^{4} + 3 x^{3} + 3 x + 1) (x^{2} + x + 1)}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A315034
Score: 4.79625
Type of gen. func.: ogf

$$\frac{(x^{10} + 3 x^{9} + 3 x^{7} + x^{6} + 2 x^{5} + x^{4} + 3 x^{3} + 3 x + 1) (x^{2} + x + 1)}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A315036
Score: 8.23826
Type of gen. func.: ogf

$$- \frac{x^{6} - x^{5} - 2 x^{3} - 3 x^{2} - 4 x - 1}{(x + 1) (x - 1)^{2}}$$

Sequence: A315036
Score: 8.64509
Type of gen. func.: ogf

$$- \frac{x^{6} - x^{5} - 2 x^{3} - 3 x^{2} - 4 x - 1}{(x + 1) (x - 1)^{2}}$$

Sequence: A315038
Score: 5.02182
Type of gen. func.: ogf

2 9 7 6 5 4 3 2

$$-\frac{(x + x + 1)(x - x + x - x - 3x - 3x - 3x - 4x - 1)}{(x^2 + 1)(x + 1)^2(x - 1)^2}$$

Sequence: A315038
Score: 5.71029
Type of gen. func.: ogf

$$-\frac{(x^2 + x + 1)(x^9 - x^7 + x^6 - x^5 - 3x^4 - 3x^3 - 3x^2 - 4x - 1)}{(x^2 + 1)(x + 1)^2(x - 1)^2}$$

Sequence: A315039
Score: 3.59267
Type of gen. func.: ogf

$$-(x^{13} + x^{12} + x^{11} - 2x^{10} - 7x^9 - 16x^8 - 25x^7 - 30x^6 - 33x^5 - 28x^4 - 23x^3 - 14x^2 - 6x - 1) / ((x^2 - x + 1)(x - 1)^2(x + 1)^2(x^2 + x + 1)^2)$$

Sequence: A315041
Score: 3.93412
Type of gen. func.: ogf

$$(x^{14} + 3x^{13} + 2x^{12} + 8x^{11} + 2x^{10} + 10x^9 + 5x^8 + 13x^7 + 5x^6 + 10x^5 + 2x^4 + 8x^3 + 2x^2 + 3x + 1) / ((x - 1)^2(x^2 + 1)^2(x^4 + 1)^2)$$

Sequence: A315043
Score: 3.89041
Type of gen. func.: ogf

$$(x^{12} + 7x^{11} + 20x^{10} + 36x^9 + 46x^8 + 44x^7 + 42x^6 + 44x^5 + 46x^4 + 36x^3 + 20x^2 + 7x + 1) / ((x^4 + 1)(x - 1)^2(x + 1)^2(x^2 + x + 1)^2)$$

Sequence: A315045
Score: 3.39928
Type of gen. func.: ogf

$$-\frac{x^{17}+x^{13}-2x^{12}-6x^{11}-10x^{10}-15x^{9}-21x^{8}-24x^{7}-27x^{6}-23x^{5}-20x^{4}-15x^{3}-9x^{2}-5x-1}{(x-1)^{2}(x+1)^{2}(x^{2}+x+1)^{2}(x^{2}-x+1)^{2}}$$

Sequence: A315045
Score: 4.19313
Type of gen. func.: ogf

$$-\frac{x^{17}+x^{13}-2x^{12}-6x^{11}-10x^{10}-15x^{9}-21x^{8}-24x^{7}-27x^{6}-23x^{5}-20x^{4}-15x^{3}-9x^{2}-5x-1}{(x-1)^{2}(x+1)^{2}(x^{2}+x+1)^{2}(x^{2}-x+1)^{2}}$$

Sequence: A315047
Score: 4.19482
Type of gen. func.: ogf

$$\frac{(x^{8}+6x^{7}+13x^{6}+17x^{5}+17x^{4}+17x^{3}+13x^{2}+6x+1)(x^{2}+1)}{(x^{2}+x+1)(x-1)^{2}(x^{4}+x^{3}+x^{2}+x+1)}$$

Sequence: A315050
Score: 4.69968
Type of gen. func.: ogf

$$\frac{(x^{2}+1)(x^{8}+4x^{7}+3x^{6}+2x^{5}+2x^{4}+2x^{3}+3x^{2}+4x+1)}{(x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2}}$$

Sequence: A315050
Score: 5.51380
Type of gen. func.: ogf

$$\frac{(x^2+1)\,(x^8+4x^7+3x^6+2x^5+2x^4+2x^3+3x^2+4x+1)}{(x^2+x+1)\,(x^6+x^3+1)\,(x-1)^2}$$

Sequence: A315052
Score: 3.35049
Type of gen. func.: ogf

$$(x^{12}+4x^{11}+4x^{10}+6x^9+5x^8+4x^7+6x^6+4x^5+5x^4+6x^3+4x^2+4x+1) \Big/ ((x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)\,(x-1)^2)$$

Sequence: A315052
Score: 4.79625
Type of gen. func.: ogf

$$(x^{12}+4x^{11}+4x^{10}+6x^9+5x^8+4x^7+6x^6+4x^5+5x^4+6x^3+4x^2+4x+1) \Big/ ((x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)\,(x-1)^2)$$

Sequence: A315053
Score: 4.45674
Type of gen. func.: ogf

$$\frac{x^{10}+4x^9+4x^8+5x^7+x^6+x^4+5x^3+4x^2+4x+1}{(x^2+x+1)\,(x^2+1)\,(x^4-x^2+1)\,(x-1)^2}$$

Sequence: A315053
Score: 4.66334

Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 4 x^8 + 5 x^7 + x^6 + x^4 + 5 x^3 + 4 x^2 + 4 x + 1}{(x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315055
Score: 4.48512
Type of gen. func.: ogf

$$- \frac{x^{11} - 2 x^8 - 5 x^7 - 10 x^6 - 9 x^5 - 11 x^4 - 10 x^3 - 8 x^2 - 5 x - 1}{(x^2 + x + 1) (x^2 - x + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A315055
Score: 5.63331
Type of gen. func.: ogf

$$- \frac{x^{11} - 2 x^8 - 5 x^7 - 10 x^6 - 9 x^5 - 11 x^4 - 10 x^3 - 8 x^2 - 5 x - 1}{(x^2 + x + 1) (x^2 - x + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A315056
Score: 3.60955
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^8 + 3 x^7 - x^6 + 3 x^4 - x^2 + 3 x + 1) (x^2 + 1)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315056
Score: 4.79625
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^8 + 3 x^7 - x^6 + 3 x^4 - x^2 + 3 x + 1) (x^2 + 1)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315057
Score: 4.26983
Type of gen. func.: ogf

$$(x^2 + 1) (x^{12} + 4 x^{11} + 3 x^{10} + 2 x^9 + 2 x^8 + 3 x^7 + 2 x^6 + 3 x^5 + 2 x^4 + 2 x^3 + 3 x^2 + 4 x + 1) / ((x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315058
Score: 5.10264
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 2 x^7 + 3 x^5 + 2 x^3 + 3 x + 1}{(x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315058
Score: 5.21603
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + 2 x^7 + 3 x^5 + 2 x^3 + 3 x + 1}{(x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315060
Score: 4.21655
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 + x^8 + 5 x^7 + 5 x^5 + 5 x^3 + x^2 + 3 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A315060
Score: 4.34669
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^{9} + x^{8} + 5 x^{7} + 5 x^{5} + 5 x^{3} + x^{2} + 3 x + 1}{(x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A315061
Score: 7.57166
Type of gen. func.: ogf

$$\frac{x^{6} + 3 x^{5} + 2 x^{3} + 3 x + 1}{(x^{4} + 1) (x - 1)^{2}}$$

Sequence: A315061
Score: 9.64608
Type of gen. func.: ogf

$$\frac{x^{6} + 3 x^{5} + 2 x^{3} + 3 x + 1}{(x^{4} + 1) (x - 1)^{2}}$$

Sequence: A315062
Score: 3.36921
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 4 x^{10} + 6 x^{9} + 5 x^{8} + 5 x^{7} + 6 x^{6} + 5 x^{5} + 5 x^{4} + 6 x^{3} + 4 x^{2} + 4 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A315062
Score: 4.82304
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 4 x^{10} + 6 x^{9} + 5 x^{8} + 5 x^{7} + 6 x^{6} + 5 x^{5} + 5 x^{4} + 6 x^{3} + 4 x^{2} + 4 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)$$

$$(x - 1)^2)$$

Sequence: A315064
Score: 4.24195
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 4 x^8 + 5 x^7 + x^6 + x^5 + x^4 + 5 x^3 + 4 x^2 + 4 x + 1}{(x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315064
Score: 4.42870
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 4 x^8 + 5 x^7 + x^6 + x^5 + x^4 + 5 x^3 + 4 x^2 + 4 x + 1}{(x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315067
Score: 4.02379
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^9 - 2 x^8 + 5 x^7 - 3 x^6 + 4 x^5 - 3 x^4 + 5 x^3 - 2 x^2 + 2 x + 1}{(x^2 + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315067
Score: 4.24195
Type of gen. func.: ogf

$$\frac{x^{10} + 2 x^9 - 2 x^8 + 5 x^7 - 3 x^6 + 4 x^5 - 3 x^4 + 5 x^3 - 2 x^2 + 2 x + 1}{(x^2 + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315068
Score: 4.69443
Type of gen. func.: ogf

$$\frac{x^{10}+4x^{9}+4x^{8}+6x^{7}+5x^{6}+6x^{5}+5x^{4}+6x^{3}+4x^{2}+4x+1}{(x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2}}$$

Sequence: A315068
Score: 5.54460
Type of gen. func.: ogf

$$\frac{x^{10}+4x^{9}+4x^{8}+6x^{7}+5x^{6}+6x^{5}+5x^{4}+6x^{3}+4x^{2}+4x+1}{(x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2}}$$

Sequence: A315069
Score: 4.21655
Type of gen. func.: ogf

$$\frac{x^{10}+3x^{9}+x^{8}+5x^{7}+6x^{5}+5x^{3}+x^{2}+3x+1}{(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)(x-1)^{2}}$$

Sequence: A315069
Score: 4.34669
Type of gen. func.: ogf

$$\frac{x^{10}+3x^{9}+x^{8}+5x^{7}+6x^{5}+5x^{3}+x^{2}+3x+1}{(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)(x-1)^{2}}$$

Sequence: A315070
Score: 3.38792
Type of gen. func.: ogf

$$(x^{12}+4x^{11}+4x^{10}+6x^{9}+5x^{8}+6x^{7}+6x^{6}+6x^{5}+5x^{4}+6x^{3}+4x^{2}+4x+1) \Big/ ((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2})$$

Sequence: A315070
Score: 4.84984
Type of gen. func.: ogf

$$\frac{x^{12}+4x^{11}+4x^{10}+6x^{9}+5x^{8}+6x^{7}+6x^{6}+6x^{5}+5x^{4}+6x^{3}+4x^{2}+4x+1}{(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A315071
Score: 4.02444
Type of gen. func.: ogf

$$\frac{(x^{3}+2x^{2}+x+1)(x^{3}+x^{2}+2x+1)(x^{4}+4x^{3}+4x^{2}+4x+1)}{(x^{2}+1)(x^{2}+x+1)^{2}(x+1)^{2}(x-1)^{2}}$$

Sequence: A315071
Score: 4.34939
Type of gen. func.: ogf

$$\frac{(x^{3}+2x^{2}+x+1)(x^{3}+x^{2}+2x+1)(x^{4}+4x^{3}+4x^{2}+4x+1)}{(x^{2}+1)(x^{2}+x+1)^{2}(x+1)^{2}(x-1)^{2}}$$

Sequence: A315074
Score: 3.53663
Type of gen. func.: ogf

$$\frac{(x^{9}+4x^{8}+7x^{7}+10x^{6}+8x^{5}+9x^{4}+9x^{3}+8x^{2}+5x+1)(x^{3}+2x^{2}+x+1)}{(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}(x^{2}+x+1)^{2}}$$

Sequence: A315075
Score: 5.98506
Type of gen. func.: ogf

$$\frac{x^6+3x^5+x^4+5x^3+x^2+3x+1}{(x^2+x+1)(x^2-x+1)(x-1)^2}$$

Sequence: A315075
Score: 6.19692
Type of gen. func.: ogf

$$\frac{x^6+3x^5+x^4+5x^3+x^2+3x+1}{(x^2+x+1)(x^2-x+1)(x-1)^2}$$

Sequence: A315076
Score: 3.29049
Type of gen. func.: ogf

$$(x^{10}+3x^9+2x^7+2x^6+4x^5+2x^4+2x^3+3x+1)(x+1)^2(x^2+1)^2 \Big/ \left((x^2+x+1)(x^6+x^3+1)(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2\right)$$

Sequence: A315084
Score: 3.43261
Type of gen. func.: ogf

$$(x^{14}+5x^{13}+10x^{12}+15x^{11}+17x^{10}+24x^9+28x^8+32x^7+28x^6+24x^5+17x^4+16x^3+9x^2+5x+1) \Big/ \left((x-1)^2(x^6+x^5+x^4+x^3+x^2+x+1)^2\right)$$

Sequence: A315084
Score: 4.14350
Type of gen. func.: ogf

$$(x^{14} + 5 x^{13} + 10 x^{12} + 15 x^{11} + 17 x^{10} + 24 x^{9} + 28 x^{8} + 32 x^{7} + 28 x^{6} + 24 x^{5} + 17 x^{4} + 16 x^{3} + 9 x^{2} + 5 x + 1) / ((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A315086
Score: 4.64227
Type of gen. func.: ogf

$$(x^{12} + 3 x^{11} + x^{10} + 6 x^{9} - 3 x^{8} + 11 x^{7} + 11 x^{5} - 3 x^{4} + 6 x^{3} + x^{2} + 3 x + 1) / ((x^{2} + 1) (x - 1)^{2} (x^{4} + 1)^{2})$$

Sequence: A315089
Score: 3.57271
Type of gen. func.: ogf

$$- (x^{17} + 2 x^{14} - x^{13} - x^{12} + x^{11} - 3 x^{10} - 7 x^{9} - 9 x^{8} - 17 x^{7} - 19 x^{6} - 24 x^{5} - 18 x^{4} - 16 x^{3} - 9 x^{2} - 5 x - 1) / ((x - 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A315089
Score: 4.04770
Type of gen. func.: ogf

$$- (x^{17} + 2 x^{14} - x^{13} - x^{12} + x^{11} - 3 x^{10} - 7 x^{9} - 9 x^{8} - 17 x^{7} - 19 x^{6} - 24 x^{5} - 18 x^{4} - 16 x^{3} - 9 x^{2} - 5 x - 1) / ((x - 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A315092
Score: 4.8563
Type of gen. func.: ogf

```
       2             8      7      6      5      4      3      2
     (x  + x + 1) (x  + 4 x  + 4 x  + 8 x  + 7 x  + 8 x  + 4 x  + 4 x + 1)
     -----------------------------------------------------------------------
                              2   4    3    2          2
```

$$(x - 1)\ (x + x + x + x + 1)$$

Sequence: A315092
Score: 5.50128
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^8 + 4 x^7 + 4 x^6 + 8 x^5 + 7 x^4 + 8 x^3 + 4 x^2 + 4 x + 1)}{(x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2}$$

Sequence: A315094
Score: 4.14214
Type of gen. func.: ogf

$$- (x^{14} + x^{11} - 2 x^{10} - 6 x^9 - 10 x^8 - 17 x^7 - 20 x^6 - 23 x^5 - 19 x^4 - 16 x^3 - 9 x^2 - 5 x - 1) \Big/ ((x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A315094
Score: 4.79023
Type of gen. func.: ogf

$$- (x^{14} + x^{11} - 2 x^{10} - 6 x^9 - 10 x^8 - 17 x^7 - 20 x^6 - 23 x^5 - 19 x^4 - 16 x^3 - 9 x^2 - 5 x - 1) \Big/ ((x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A315100
Score: 3.6879
Type of gen. func.: ogf

$$- (x^{15} + x^{14} + x^{12} - 2 x^{10} - x^9 - 2 x^8 - 7 x^7 - 9 x^6 - 11 x^5 - 12 x^4 - 11 x^3 - 8 x^2 - 5 x - 1) (x^2 + 1) \Big/ ((x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A315103
Score: 4.8563

Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)\,(x^8 + 4\,x^7 + 4\,x^6 + 8\,x^5 + 8\,x^4 + 8\,x^3 + 4\,x^2 + 4\,x + 1)}{(x - 1)^2\,(x^4 + x^3 + x^2 + x + 1)^2}$$

Sequence: A315103
Score: 5.50128
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1)\,(x^8 + 4\,x^7 + 4\,x^6 + 8\,x^5 + 8\,x^4 + 8\,x^3 + 4\,x^2 + 4\,x + 1)}{(x - 1)^2\,(x^4 + x^3 + x^2 + x + 1)^2}$$

Sequence: A315106
Score: 5.13099
Type of gen. func.: ogf

$$- \frac{x^{10} - x^9 + x^7 - 3\,x^6 - 3\,x^5 - 5\,x^4 - 7\,x^3 - 4\,x^2 - 4\,x - 1}{(x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A315106
Score: 6.00064
Type of gen. func.: ogf

$$- \frac{x^{10} - x^9 + x^7 - 3\,x^6 - 3\,x^5 - 5\,x^4 - 7\,x^3 - 4\,x^2 - 4\,x - 1}{(x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A315108
Score: 4.02316
Type of gen. func.: ogf

$$(x^{14} + 5\,x^{13} + 9\,x^{12} + 16\,x^{11} + 21\,x^{10} + 28\,x^9 + 27\,x^8 + 26\,x^7 + 27\,x^6 + 28\,x^5$$

$$+ 21\,x^4 + 16\,x^3 + 9\,x^2 + 5\,x + 1) \;/\; ((x^2 + x + 1)\,(x^4 + x^3 + x^2 + x + 1)$$

6   3   2

$$(x + x + 1) (x - 1))$$

Sequence: A315109
Score: 4.66334
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 5 x^6 + 10 x^5 + 7 x^4 + 10 x^3 + 5 x^2 + 4 x + 1}{(x^2 - x + 1) (x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A315109
Score: 5.3753
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 5 x^6 + 10 x^5 + 7 x^4 + 10 x^3 + 5 x^2 + 4 x + 1}{(x^2 - x + 1) (x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A315110
Score: 4.34403
Type of gen. func.: ogf

$$- \frac{x^{12} - x^{11} + x^8 - 3 x^7 - 3 x^6 - 5 x^5 - 6 x^4 - 7 x^3 - 4 x^2 - 4 x - 1}{(x^2 - x + 1) (x + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A315110
Score: 5.57540
Type of gen. func.: ogf

$$- \frac{x^{12} - x^{11} + x^8 - 3 x^7 - 3 x^6 - 5 x^5 - 6 x^4 - 7 x^3 - 4 x^2 - 4 x - 1}{(x^2 - x + 1) (x + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A315111
Score: 3.45403
Type of gen. func.: ogf

$$(x^2 - x + 1) (x^{12} + 6 x^{11} + 14 x^{10} + 24 x^9 + 32 x^8 + 36 x^7 + 36 x^6 + 36 x^5 + 32 x^4 + 24 x^3 + 14 x^2 + 6 x + 1) / ((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A315111
Score: 4.21474
Type of gen. func.: ogf

$$(x^2 - x + 1) (x^{12} + 6 x^{11} + 14 x^{10} + 24 x^9 + 32 x^8 + 36 x^7 + 36 x^6 + 36 x^5 + 32 x^4 + 24 x^3 + 14 x^2 + 6 x + 1) / ((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A315116
Score: 4.21655
Type of gen. func.: ogf

$$- (x^{13} - 2 x^{10} - 5 x^9 - 9 x^8 - 12 x^7 - 12 x^6 - 7 x^5 - 12 x^4 - 12 x^3 - 8 x^2 - 5 x - 1) / ((x^2 + 1) (x^4 + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A315116
Score: 4.89003
Type of gen. func.: ogf

$$- (x^{13} - 2 x^{10} - 5 x^9 - 9 x^8 - 12 x^7 - 12 x^6 - 7 x^5 - 12 x^4 - 12 x^3 - 8 x^2 - 5 x - 1) / ((x^2 + 1) (x^4 + 1) (x - 1)^2 (x + 1)^2)$$

Sequence: A315122
Score: 4.16367
Type of gen. func.: ogf

13 12 10 9 8 7 6 5 4 3

```
- (2 x   + 2 x   - x   - 8 x  - 14 x  - 14 x  - 22 x  - 24 x  - 20 x  - 10 x

           2              /         2   4    3    2         2
     - 10 x  - 6 x - 1)  /  ((x - 1)  (x  + x  + x  + x + 1) )
                        /
```

Sequence: A315122
Score: 4.81073
Type of gen. func.: ogf

```
      13      12    10      9       8       7       6       5       4       3
- (2 x   + 2 x   - x   - 8 x  - 14 x  - 14 x  - 22 x  - 24 x  - 20 x  - 10 x

           2              /         2   4    3    2         2
     - 10 x  - 6 x - 1)  /  ((x - 1)  (x  + x  + x  + x + 1) )
                        /
```

Sequence: A315124
Score: 3.82557
Type of gen. func.: ogf

```
      12      11    10      9      8      7       6      5      4      3      2
- (2 x   - 2 x   - x   - 5 x  - 4 x  - 5 x  - 11 x  - 6 x  - 9 x  - 3 x  - 4 x

                  /    2                 2        2   2         2
     - 5 x - 1)  /  ((x  + x + 1) (x - 1)  (x + 1)  (x  - x + 1) )
                /
```

Sequence: A315131
Score: 3.55638
Type of gen. func.: ogf

```
      15    12      11       10       9       8       7       6       5       4
- (4 x   - x   - 6 x   - 14 x   - 16 x  - 22 x  - 22 x  - 30 x  - 22 x  - 18 x

           3       2              /         2        2   2         2
     - 12 x  - 10 x  - 6 x - 1)  /  ((x - 1)  (x + 1)  (x  + x + 1)
                                /

      2         2
    (x  - x + 1) )
```

Sequence: A315131
Score: 4.42870
Type of gen. func.: ogf

```
      15    12      11       10       9       8       7       6       5       4
- (4 x   - x   - 6 x   - 14 x   - 16 x  - 22 x  - 22 x  - 30 x  - 22 x  - 18 x

           3       2              /         2        2   2         2
     - 12 x  - 10 x  - 6 x - 1)  /  ((x - 1)  (x + 1)  (x  + x + 1)
```

$$\Big/ \ (x^2 - x + 1)^2 \,)$$

Sequence: A315132
Score: 4.57681
Type of gen. func.: ogf

$$-\frac{(x^2 + 1)(2 x^7 - 2 x^6 - 3 x^5 - 5 x^4 + 3 x^3 - 3 x^2 - 5 x - 1)}{(x + 1)(x^2 + x + 1)(x^2 - x + 1)(x - 1)^2}$$

Sequence: A315132
Score: 6.42433
Type of gen. func.: ogf

$$-\frac{(x^2 + 1)(2 x^7 - 2 x^6 - 3 x^5 - 5 x^4 + 3 x^3 - 3 x^2 - 5 x - 1)}{(x + 1)(x^2 + x + 1)(x^2 - x + 1)(x - 1)^2}$$

Sequence: A315133
Score: 3.93388
Type of gen. func.: ogf

$$-(2 x^{16} - x^{14} - 8 x^{13} - 10 x^{12} - 14 x^{11} - 20 x^{10} - 26 x^9 - 28 x^8 - 32 x^7 - 24 x^6 - 22 x^5 - 20 x^4 - 12 x^3 - 10 x^2 - 6 x - 1) \Big/ ((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A315134
Score: 4.68925
Type of gen. func.: ogf

$$-\frac{2 x^{11} - 3 x^8 - 7 x^7 - 4 x^6 - 3 x^5 - 12 x^4 - 3 x^3 - 4 x^2 - 5 x - 1}{(x^2 + 1)(x^2 - x + 1)(x + 1)^2 (x - 1)^2}$$

Sequence: A315134
Score: 4.95158
Type of gen. func.: ogf

$$-\frac{2x^{11}-3x^{8}-7x^{7}-4x^{6}-3x^{5}-12x^{4}-3x^{3}-4x^{2}-5x-1}{(x^{2}+1)(x^{2}-x+1)(x+1)^{2}(x-1)^{2}}$$

Sequence: A315135
Score: 6.26616
Type of gen. func.: ogf

$$-\frac{2x^{7}-2x^{6}-x^{5}-7x^{4}-2x^{3}-4x^{2}-5x-1}{(x+1)(x^{2}+1)(x-1)^{2}}$$

Sequence: A315135
Score: 7.01065
Type of gen. func.: ogf

$$-\frac{2x^{7}-2x^{6}-x^{5}-7x^{4}-2x^{3}-4x^{2}-5x-1}{(x+1)(x^{2}+1)(x-1)^{2}}$$

Sequence: A315138
Score: 4.16367
Type of gen. func.: ogf

$$-(2x^{13}+2x^{12}-x^{10}-8x^{9}-14x^{8}-16x^{7}-23x^{6}-24x^{5}-21x^{4}-12x^{3}-10x^{2}-6x-1)\Big/\left((x-1)^{2}(x^{4}+x^{3}+x^{2}+x+1)\right)$$

Sequence: A315138
Score: 4.81073
Type of gen. func.: ogf

$$-(2x^{13}+2x^{12}-x^{10}-8x^{9}-14x^{8}-16x^{7}-23x^{6}-24x^{5}-21x^{4}-12x^{3}$$

$$- 10 x^{2} - 6 x - 1) / ((x - 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A315140
Score: 3.44492
Type of gen. func.: ogf

$$(x^{15} + 5 x^{14} + 5 x^{13} + 8 x^{12} + 8 x^{11} + 11 x^{10} + 13 x^{9} + 17 x^{8} + 17 x^{7} + 11 x^{6} + 11 x^{5} + 8 x^{4} + 8 x^{3} + 5 x^{2} + 5 x + 1) / ((x + 1) (x - 1)^{2} (x^{2} + 1)^{2} (x^{4} + 1)^{2})$$

Sequence: A315141
Score: 5.23564
Type of gen. func.: ogf

$$\frac{x^{9} + 4 x^{8} + 4 x^{6} + 5 x^{5} + 4 x^{4} + 4 x^{3} + 4 x + 1}{(x + 1) (x^{2} + x + 1) (x - 1)^{2} (x^{2} - x + 1)^{2}}$$

Sequence: A315141
Score: 5.23564
Type of gen. func.: ogf

$$\frac{x^{9} + 4 x^{8} + 4 x^{6} + 5 x^{5} + 4 x^{4} + 4 x^{3} + 4 x + 1}{(x + 1) (x^{2} + x + 1) (x - 1)^{2} (x^{2} - x + 1)^{2}}$$

Sequence: A315162
Score: 3.43495
Type of gen. func.: ogf

$$(x^{14} + 6 x^{13} + 10 x^{12} + 14 x^{11} + 16 x^{10} + 22 x^{9} + 26 x^{8} + 32 x^{7} + 26 x^{6} + 22 x^{5} + 16 x^{4} + 14 x^{3} + 10 x^{2} + 6 x + 1) / ((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A315162
Score: 4.14214
Type of gen. func.: ogf

$$(x^{14} + 6 x^{13} + 10 x^{12} + 14 x^{11} + 16 x^{10} + 22 x^{9} + 26 x^{8} + 32 x^{7} + 26 x^{6} + 22 x^{5} + 16 x^{4} + 14 x^{3} + 10 x^{2} + 6 x + 1) / ((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A315170
Score: 3.33177
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 4 x^{10} + 4 x^{9} + 4 x^{8} + 4 x^{7} + 4 x^{6} + 4 x^{5} + 4 x^{4} + 4 x^{3} + 4 x^{2} + 5 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A315170
Score: 4.76945
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 4 x^{10} + 4 x^{9} + 4 x^{8} + 4 x^{7} + 4 x^{6} + 4 x^{5} + 4 x^{4} + 4 x^{3} + 4 x^{2} + 5 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A315171
Score: 4.61152
Type of gen. func.: ogf

$$x^{10} + 4 x^{9} + 4 x^{7} + 4 x^{5} + 4 x^{3} + 4 x + 1$$

4   3   2   4   3   2   2

$$(x + x + x + x + 1) (x - x + x - x + 1) (x - 1)$$

Sequence: A315171
Score: 4.76945
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 4 x^7 + 4 x^5 + 4 x^3 + 4 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A315172
Score: 4.64227
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 4 x^8 + 4 x^7 + 4 x^6 + 4 x^5 + 4 x^4 + 4 x^3 + 4 x^2 + 5 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315172
Score: 5.48299
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 4 x^8 + 4 x^7 + 4 x^6 + 4 x^5 + 4 x^4 + 4 x^3 + 4 x^2 + 5 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315173
Score: 5.57072
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 4 x^5 + 4 x^3 + 4 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A315173
Score: 7.17876
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 4 x^5 + 4 x^3 + 4 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A315175
Score: 4.96633
Type of gen. func.: ogf

$$\frac{x^8 + 5 x^7 + 4 x^6 + 4 x^5 + 4 x^4 + 4 x^3 + 4 x^2 + 5 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315175
Score: 6.42433
Type of gen. func.: ogf

$$\frac{x^8 + 5 x^7 + 4 x^6 + 4 x^5 + 4 x^4 + 4 x^3 + 4 x^2 + 5 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315177
Score: 3.35049
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 4 x^{10} + 4 x^9 + 4 x^8 + 4 x^7 + 6 x^6 + 4 x^5 + 4 x^4 + 4 x^3 + 4 x^2 + 5 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315177
Score: 4.79625
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 4 x^{10} + 4 x^9 + 4 x^8 + 4 x^7 + 6 x^6 + 4 x^5 + 4 x^4 + 4 x^3 + 4 x^2 + 5 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)$$

$(x - 1)^2)$

Sequence: A315178
Score: 6.93319
Type of gen. func.: ogf

$$\frac{x^6 + 4 x^5 + 4 x^3 + 4 x + 1}{(x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A315178
Score: 7.21909
Type of gen. func.: ogf

$$\frac{x^6 + 4 x^5 + 4 x^3 + 4 x + 1}{(x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A315182
Score: 3.93400
Type of gen. func.: ogf

$$\frac{x^{12} + 4 x^{11} + 4 x^9 + 5 x^7 + 5 x^5 + 4 x^3 + 4 x + 1}{(x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315182
Score: 4.29603
Type of gen. func.: ogf

$$\frac{x^{12} + 4 x^{11} + 4 x^9 + 5 x^7 + 5 x^5 + 4 x^3 + 4 x + 1}{(x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315183
Score: 3.35049
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 4 x^{10} + 4 x^9 + 4 x^8 + 5 x^7 + 6 x^6 + 5 x^5 + 4 x^4 + 4 x^3 + 4 x^2 + 5 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315183
Score: 4.79625
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 4 x^{10} + 4 x^9 + 4 x^8 + 5 x^7 + 6 x^6 + 5 x^5 + 4 x^4 + 4 x^3 + 4 x^2 + 5 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315184
Score: 3.66624
Type of gen. func.: ogf

$$(x^{14} + 6 x^{13} + 9 x^{12} + 8 x^{11} + 9 x^{10} + 16 x^9 + 17 x^8 + 22 x^7 + 17 x^6 + 16 x^5 + 9 x^4 + 8 x^3 + 9 x^2 + 6 x + 1) / ((x^2 + 1) (x - 1)^2 (x + 1)^2 (x^4 + 1)^2)$$

Sequence: A315185
Score: 4.69968
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 - x^6 + x^5 + 4 x^4 + x^3 - x^2 + 4 x + 1}{(x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315185
Score: 6.19692
Type of gen. func.: ogf

8 7 6 5 4 3 2

```
                 x  + 4 x  - x  + x  + 4 x  + x  - x  + 4 x + 1
                 ----------------------------------------------
                              6    3             2
                            (x  + x  + 1) (x - 1)
```

Sequence: A315186
Score: 3.35049
Type of gen. func.: ogf

```
  12      11      10      9       8       7       6       5       4       3       2
(x   + 5 x   + 4 x   + 4 x  + 4 x  + 6 x  + 4 x  + 6 x  + 4 x  + 4 x  + 4 x

                  /    10    9    8    7    6    5    4    3    2
     + 5 x + 1)  /  ((x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1)
                /

           2
    (x - 1) )
```

Sequence: A315186
Score: 4.79625
Type of gen. func.: ogf

```
  12      11      10      9       8       7       6       5       4       3       2
(x   + 5 x   + 4 x   + 4 x  + 4 x  + 6 x  + 4 x  + 6 x  + 4 x  + 4 x  + 4 x

                  /    10    9    8    7    6    5    4    3    2
     + 5 x + 1)  /  ((x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1)
                /

           2
    (x - 1) )
```

Sequence: A315187
Score: 6.46022
Type of gen. func.: ogf

```
                    6      5      4      3      2
                   x  + 5 x  + 4 x  + 4 x  + 4 x  + 5 x + 1
                   ----------------------------------------
                         4    3    2                  2
                       (x  + x  + x  + x + 1) (x - 1)
```

Sequence: A315187
Score: 7.57166
Type of gen. func.: ogf

```
                    6      5      4      3      2
                   x  + 5 x  + 4 x  + 4 x  + 4 x  + 5 x + 1
                   ----------------------------------------
                         4    3    2                  2
```

$$(x + x + x + x + 1) (x - 1)$$

Sequence: A315188
Score: 3.36921
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 4 x^{10} + 4 x^{9} + 4 x^{8} + 6 x^{7} + 6 x^{6} + 6 x^{5} + 4 x^{4} + 4 x^{3} + 4 x^{2} + 5 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A315188
Score: 4.82304
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 4 x^{10} + 4 x^{9} + 4 x^{8} + 6 x^{7} + 6 x^{6} + 6 x^{5} + 4 x^{4} + 4 x^{3} + 4 x^{2} + 5 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A315191
Score: 3.80629
Type of gen. func.: ogf

$$(x^{12} + 6 x^{11} + 10 x^{10} + 14 x^{9} + 18 x^{8} + 26 x^{7} + 26 x^{6} + 26 x^{5} + 18 x^{4} + 14 x^{3} + 10 x^{2} + 6 x + 1) / ((x - 1)^{2} (x + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2})$$

Sequence: A315191
Score: 4.69443
Type of gen. func.: ogf

$$(x^{12} + 6 x^{11} + 10 x^{10} + 14 x^{9} + 18 x^{8} + 26 x^{7} + 26 x^{6} + 26 x^{5} + 18 x^{4} + 14 x^{3} + 10 x^{2} + 6 x + 1) / ((x - 1)^{2} (x + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2})$$

Sequence: A315192
Score: 3.43495
Type of gen. func.: ogf

$$(x^{14} + 6 x^{13} + 10 x^{12} + 14 x^{11} + 19 x^{10} + 23 x^{9} + 28 x^{8} + 32 x^{7} + 27 x^{6} + 22 x^{5} + 19 x^{4} + 14 x^{3} + 10 x^{2} + 6 x + 1) / ((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A315192
Score: 4.14214
Type of gen. func.: ogf

$$(x^{14} + 6 x^{13} + 10 x^{12} + 14 x^{11} + 19 x^{10} + 23 x^{9} + 28 x^{8} + 32 x^{7} + 27 x^{6} + 22 x^{5} + 19 x^{4} + 14 x^{3} + 10 x^{2} + 6 x + 1) / ((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A315194
Score: 3.38286
Type of gen. func.: ogf

$$(x^{2} + 1) (x^{10} + 5 x^{9} + 3 x^{8} - x^{7} + 2 x^{6} + 6 x^{5} + 2 x^{4} - x^{3} + 3 x^{2} + 5 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A315194
Score: 4.79625
Type of gen. func.: ogf

$$(x^{2} + 1) (x^{10} + 5 x^{9} + 3 x^{8} - x^{7} + 2 x^{6} + 6 x^{5} + 2 x^{4} - x^{3} + 3 x^{2} + 5 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A315195
Score: 4.21655
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 4 x^7 + x^6 + 4 x^5 + x^4 + 4 x^3 + 4 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A315195
Score: 4.34669
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 4 x^7 + x^6 + 4 x^5 + x^4 + 4 x^3 + 4 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A315196
Score: 4.72593
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + x^6 + 8 x^5 + x^4 + 8 x^3 + x^2 + 4 x + 1}{(x^2 - x + 1) (x^2 + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A315196
Score: 4.8563
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + x^6 + 8 x^5 + x^4 + 8 x^3 + x^2 + 4 x + 1}{(x^2 - x + 1) (x^2 + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A315198
Score: 4.69443
Type of gen. func.: ogf

$$x^{10} + 5 x^9 + 4 x^8 + 4 x^7 + 5 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 4 x^2 + 5 x + 1$$

$$\overline{(x^2+x+1)\,(x^6+x^3+1)\,(x-1)^2}$$

Sequence: A315198
Score: 5.54460
Type of gen. func.: ogf

$$\frac{x^{10}+5\,x^9+4\,x^8+4\,x^7+5\,x^6+6\,x^5+5\,x^4+4\,x^3+4\,x^2+5\,x+1}{(x^2+x+1)\,(x^6+x^3+1)\,(x-1)^2}$$

Sequence: A315201
Score: 3.82744
Type of gen. func.: ogf

$$(x^{12}+6\,x^{11}+10\,x^{10}+14\,x^9+20\,x^8+22\,x^7+34\,x^6+22\,x^5+20\,x^4+14\,x^3+10\,x^2+6\,x+1)\Big/\left((x-1)^2\,(x+1)^2\,(x^2+x+1)^2\,(x^2-x+1)^2\right)$$

Sequence: A315201
Score: 4.72051
Type of gen. func.: ogf

$$(x^{12}+6\,x^{11}+10\,x^{10}+14\,x^9+20\,x^8+22\,x^7+34\,x^6+22\,x^5+20\,x^4+14\,x^3+10\,x^2+6\,x+1)\Big/\left((x-1)^2\,(x+1)^2\,(x^2+x+1)^2\,(x^2-x+1)^2\right)$$

Sequence: A315202
Score: 3.44952
Type of gen. func.: ogf

$$(x^{10}+3\,x^9-3\,x^8+7\,x^7-5\,x^6+7\,x^5-5\,x^4+7\,x^3-3\,x^2+3\,x+1)\,(x+1)^2\Big/\left((x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)\,(x-1)^2\right)$$

Sequence: A315202
Score: 4.79625
Type of gen. func.: ogf

$$(x^{10} + 3 x^9 - 3 x^8 + 7 x^7 - 5 x^6 + 7 x^5 - 5 x^4 + 7 x^3 - 3 x^2 + 3 x + 1) (x + 1)^2 / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315203
Score: 4.21655
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 4 x^7 + 2 x^6 + 2 x^5 + 2 x^4 + 4 x^3 + 4 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A315203
Score: 4.34669
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 4 x^7 + 2 x^6 + 2 x^5 + 2 x^4 + 4 x^3 + 4 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A315204
Score: 4.99407
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^6 + 5 x^5 + 3 x^4 - x^3 + 3 x^2 + 5 x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315204
Score: 6.46022
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^6 + 5 x^5 + 3 x^4 - x^3 + 3 x^2 + 5 x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315207
Score: 4.8563
Type of gen. func.: ogf

$$\frac{(x^8 + 3 x^7 - 3 x^6 + 7 x^5 - 5 x^4 + 7 x^3 - 3 x^2 + 3 x + 1) (x + 1)^2}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315207
Score: 5.54460
Type of gen. func.: ogf

$$\frac{(x^8 + 3 x^7 - 3 x^6 + 7 x^5 - 5 x^4 + 7 x^3 - 3 x^2 + 3 x + 1) (x + 1)^2}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315208
Score: 3.40176
Type of gen. func.: ogf

$$(x^2 + 1) (x^{10} + 5 x^9 + 3 x^8 - x^7 + 3 x^6 + 5 x^5 + 3 x^4 - x^3 + 3 x^2 + 5 x + 1) \Big/ \left((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2\right)$$

Sequence: A315208
Score: 4.82304
Type of gen. func.: ogf

$$(x^2 + 1) (x^{10} + 5 x^9 + 3 x^8 - x^7 + 3 x^6 + 5 x^5 + 3 x^4 - x^3 + 3 x^2 + 5 x + 1) \Big/ \left((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2\right)$$

Sequence: A315210
Score: 3.36921
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 4 x^{10} + 4 x^9 + 6 x^8 + 5 x^7 + 4 x^6 + 5 x^5 + 6 x^4 + 4 x^3 + 4 x^2 + 5 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315210
Score: 4.82304
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 4 x^{10} + 4 x^9 + 6 x^8 + 5 x^7 + 4 x^6 + 5 x^5 + 6 x^4 + 4 x^3 + 4 x^2 + 5 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315211
Score: 10.8935
Type of gen. func.: ogf

$$\frac{x^4 + 4 x^3 + 4 x + 1}{(x^2 + 1) (x - 1)^2}$$

Sequence: A315211
Score: 5.16844
Type of gen. func.: ogf

$$(f(x) + 1) (f(x) x^4 - 2 f(x) x^3 - x^4 + 2 f(x) x^2 - 4 x^3 - 2 f(x) x + f(x) - 4 x - 1)$$

Sequence: A315211
Score: 9.19579

Type of gen. func.: ogf

$$\frac{x^4 + 4 x^3 + 4 x + 1}{(x^2 + 1) (x - 1)^2}$$

Sequence: A315212
Score: 3.38792
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 4 x^{10} + 4 x^9 + 6 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 6 x^4 + 4 x^3 + 4 x^2 + 5 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315212
Score: 4.84984
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 4 x^{10} + 4 x^9 + 6 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 6 x^4 + 4 x^3 + 4 x^2 + 5 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315213
Score: 4.75219
Type of gen. func.: ogf

$$(x^{10} + 6 x^9 + 10 x^8 + 14 x^7 + 20 x^6 + 24 x^5 + 20 x^4 + 14 x^3 + 10 x^2 + 6 x + 1) \Big/ ((x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A315213
Score: 5.44674
Type of gen. func.: ogf

$$\left(x^{10} + 6 x^{9} + 10 x^{8} + 14 x^{7} + 20 x^{6} + 24 x^{5} + 20 x^{4} + 14 x^{3} + 10 x^{2} + 6 x + 1\right) \Big/ \left((x - 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2}\right)$$

Sequence: A315214
Score: 4.72051
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^{9} + 4 x^{8} + 4 x^{7} + 6 x^{6} + 6 x^{5} + 6 x^{4} + 4 x^{3} + 4 x^{2} + 5 x + 1}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A315214
Score: 5.57540
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^{9} + 4 x^{8} + 4 x^{7} + 6 x^{6} + 6 x^{5} + 6 x^{4} + 4 x^{3} + 4 x^{2} + 5 x + 1}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A315215
Score: 4.23998
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + 4 x^{7} + 2 x^{6} + 4 x^{5} + 2 x^{4} + 4 x^{3} + 4 x + 1}{(x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A315215
Score: 4.37084
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + 4 x^{7} + 2 x^{6} + 4 x^{5} + 2 x^{4} + 4 x^{3} + 4 x + 1}{(x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A315216
Score: 3.43956
Type of gen. func.: ogf

$$(x^{10} + 5 x^9 + 3 x^8 - x^7 + 3 x^6 + 7 x^5 + 3 x^4 - x^3 + 3 x^2 + 5 x + 1) (x^2 + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315216
Score: 4.87663
Type of gen. func.: ogf

$$(x^{10} + 5 x^9 + 3 x^8 - x^7 + 3 x^6 + 7 x^5 + 3 x^4 - x^3 + 3 x^2 + 5 x + 1) (x^2 + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315217
Score: 3.43956
Type of gen. func.: ogf

$$- (x^{19} + x^{18} + x^{17} - x^{15} - x^{14} - x^{13} - x^{10} - 7 x^9 - 11 x^8 - 16 x^7 - 21 x^6 - 25 x^5 - 20 x^4 - 14 x^3 - 10 x^2 - 6 x - 1) / ((x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A315218
Score: 3.82744
Type of gen. func.: ogf

$$(x^{12} + 6 x^{11} + 11 x^{10} + 20 x^9 + 30 x^8 + 40 x^7 + 36 x^6 + 40 x^5 + 30 x^4 + 20 x^3 + 11 x^2 + 6 x + 1) / ((x^2 + 1) (x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A315218
Score: 4.04615
Type of gen. func.: ogf

$$(x^{12} + 6 x^{11} + 11 x^{10} + 20 x^{9} + 30 x^{8} + 40 x^{7} + 36 x^{6} + 40 x^{5} + 30 x^{4} + 20 x^{3} + 11 x^{2} + 6 x + 1) / ((x^{2} + 1) (x - 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A315220
Score: 4.02316
Type of gen. func.: ogf

$$- (2 x^{13} - 2 x^{11} - x^{10} - 6 x^{9} - 11 x^{8} - 6 x^{7} - 12 x^{6} - 14 x^{5} - 10 x^{4} - 8 x^{3} - 9 x^{2} - 6 x - 1) / ((x^{2} + 1) (x^{4} + 1) (x - 1)^{2} (x + 1)^{2})$$

Sequence: A315220
Score: 4.62795
Type of gen. func.: ogf

$$- (2 x^{13} - 2 x^{11} - x^{10} - 6 x^{9} - 11 x^{8} - 6 x^{7} - 12 x^{6} - 14 x^{5} - 10 x^{4} - 8 x^{3} - 9 x^{2} - 6 x - 1) / ((x^{2} + 1) (x^{4} + 1) (x - 1)^{2} (x + 1)^{2})$$

Sequence: A315227
Score: 3.45403
Type of gen. func.: ogf

$$(x^{14} + 6 x^{13} + 10 x^{12} + 14 x^{11} + 22 x^{10} + 20 x^{9} + 30 x^{8} + 34 x^{7} + 30 x^{6} + 20 x^{5} + 22 x^{4} + 14 x^{3} + 10 x^{2} + 6 x + 1) / ((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A315227
Score: 4.16515
Type of gen. func.: ogf

$$(x^{14} + 6 x^{13} + 10 x^{12} + 14 x^{11} + 22 x^{10} + 20 x^{9} + 30 x^{8} + 34 x^{7} + 30 x^{6} + 20 x^{5}$$

$$+ 22 x^4 + 14 x^3 + 10 x^2 + 6 x + 1) / ((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1))$$

Sequence: A315229
Score: 3.97833
Type of gen. func.: ogf

$$(x^{12} + 6 x^{11} + 10 x^{10} + 14 x^9 + 21 x^8 + 16 x^7 + 18 x^6 + 16 x^5 + 21 x^4 + 14 x^3 + 10 x^2 + 6 x + 1) / ((x^4 + 1) (x - 1)^2 (x + 1)^2 (x^2 + 1)^2)$$

Sequence: A315229
Score: 4.45673
Type of gen. func.: ogf

$$(x^{12} + 6 x^{11} + 10 x^{10} + 14 x^9 + 21 x^8 + 16 x^7 + 18 x^6 + 16 x^5 + 21 x^4 + 14 x^3 + 10 x^2 + 6 x + 1) / ((x^4 + 1) (x - 1)^2 (x + 1)^2 (x^2 + 1)^2)$$

Sequence: A315235
Score: 4.00043
Type of gen. func.: ogf

$$(x^{12} + 6 x^{11} + 10 x^{10} + 14 x^9 + 21 x^8 + 20 x^7 + 21 x^6 + 20 x^5 + 21 x^4 + 14 x^3 + 10 x^2 + 6 x + 1) / ((x^4 + 1) (x - 1)^2 (x + 1)^2 (x^2 + 1)^2)$$

Sequence: A315235
Score: 4.48149
Type of gen. func.: ogf

$$(x^{12} + 6 x^{11} + 10 x^{10} + 14 x^9 + 21 x^8 + 20 x^7 + 21 x^6 + 20 x^5 + 21 x^4 + 14 x^3 + 10 x^2 + 6 x + 1) / ((x^4 + 1) (x - 1)^2 (x + 1)^2 (x^2 + 1)^2)$$

Sequence: A315237
Score: 5.8039
Type of gen. func.: ogf

$$\frac{x^8 + 6x^7 + 10x^6 + 14x^5 + 22x^4 + 14x^3 + 10x^2 + 6x + 1}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A315237
Score: 6.43705
Type of gen. func.: ogf

$$\frac{x^8 + 6x^7 + 10x^6 + 14x^5 + 22x^4 + 14x^3 + 10x^2 + 6x + 1}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A315240
Score: 3.43495
Type of gen. func.: ogf

$$(x^{14} + 6x^{13} + 10x^{12} + 15x^{11} + 18x^{10} + 23x^9 + 28x^8 + 32x^7 + 27x^6 + 23x^5 + 17x^4 + 15x^3 + 10x^2 + 6x + 1) \Big/ ((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A315240
Score: 4.14214
Type of gen. func.: ogf

$$(x^{14} + 6x^{13} + 10x^{12} + 15x^{11} + 18x^{10} + 23x^9 + 28x^8 + 32x^7 + 27x^6 + 23x^5 + 17x^4 + 15x^3 + 10x^2 + 6x + 1) \Big/ ((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A315241
Score: 3.43495
Type of gen. func.: ogf

$$(x^{14} + 6 x^{13} + 10 x^{12} + 15 x^{11} + 18 x^{10} + 23 x^{9} + 27 x^{8} + 32 x^{7} + 27 x^{6} + 24 x^{5} + 17 x^{4} + 15 x^{3} + 10 x^{2} + 6 x + 1) / ((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A315241
Score: 4.14214
Type of gen. func.: ogf

$$(x^{14} + 6 x^{13} + 10 x^{12} + 15 x^{11} + 18 x^{10} + 23 x^{9} + 27 x^{8} + 32 x^{7} + 27 x^{6} + 24 x^{5} + 17 x^{4} + 15 x^{3} + 10 x^{2} + 6 x + 1) / ((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A315242
Score: 4.96633
Type of gen. func.: ogf

$$\frac{x^{12} + 4 x^{11} + 5 x^{9} - x^{8} + 11 x^{7} - 2 x^{6} + 11 x^{5} - x^{4} + 5 x^{3} + 4 x + 1}{(x^{2} + 1) (x - 1)^{2} (x^{4} + 1)^{2}}$$

Sequence: A315243
Score: 3.45625
Type of gen. func.: ogf

$$- (2 x^{19} - 2 x^{18} + 2 x^{16} - 2 x^{15} + 2 x^{14} - 4 x^{13} + 2 x^{12} + 2 x^{11} - 4 x^{10} + 2 x^{9} - 3 x^{8} - 2 x^{7} + x^{6} - 4 x^{5} - 2 x^{4} - 2 x^{3} + x^{2} - 4 x - 1) / ((x^{6} + x^{3} + 1)^{2} (x - 1)^{2})$$

Sequence: A315244
Score: 3.76558
Type of gen. func.: ogf

$$\frac{x^{12} + 4 x^{11} + 5 x^{9} - x^{8} + 6 x^{7} - x^{6} + 6 x^{5} - x^{4} + 5 x^{3} + 4 x + 1}{(x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A315245
Score: 3.70613
Type of gen. func.: ogf

$$\frac{(x^{2} + x + 1) (x^{2} - x + 1) (x^{8} + 5 x^{7} + 3 x^{6} + 3 x^{2} + 5 x + 1)}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A315245
Score: 4.82304
Type of gen. func.: ogf

$$\frac{(x^{2} + x + 1) (x^{2} - x + 1) (x^{8} + 5 x^{7} + 3 x^{6} + 3 x^{2} + 5 x + 1)}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A315246
Score: 4.04615
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^{9} - 4 x^{8} + 6 x^{7} - 3 x^{6} + 4 x^{5} - 3 x^{4} + 6 x^{3} - 4 x^{2} + 3 x + 1}{(x^{2} + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A315246
Score: 4.26552
Type of gen. func.: ogf

$$x^{10} + 3 x^{9} - 4 x^{8} + 6 x^{7} - 3 x^{6} + 4 x^{5} - 3 x^{4} + 6 x^{3} - 4 x^{2} + 3 x + 1$$

$$(x^2 + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2$$

Sequence: A315247
Score: 6.49611
Type of gen. func.: ogf

$$\frac{x^6 + 5 x^5 + 4 x^4 + 5 x^3 + 4 x^2 + 5 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315247
Score: 7.61372
Type of gen. func.: ogf

$$\frac{x^6 + 5 x^5 + 4 x^4 + 5 x^3 + 4 x^2 + 5 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315248
Score: 4.75219
Type of gen. func.: ogf

$$(x^{10} + 6 x^9 + 10 x^8 + 15 x^7 + 19 x^6 + 24 x^5 + 19 x^4 + 15 x^3 + 10 x^2 + 6 x + 1) \Big/ ((x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A315248
Score: 5.44674
Type of gen. func.: ogf

$$(x^{10} + 6 x^9 + 10 x^8 + 15 x^7 + 19 x^6 + 24 x^5 + 19 x^4 + 15 x^3 + 10 x^2 + 6 x + 1) \Big/ ((x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A315253
Score: 4.93135

Type of gen. func.: ogf

$$\frac{x^{10}+5x^9+4x^8+4x^7+4x^3+4x^2+5x+1}{(x^2+x+1)(x^2+1)(x^4-x^2+1)(x-1)^2}$$

Sequence: A315253
Score: 5.18705
Type of gen. func.: ogf

$$\frac{x^{10}+5x^9+4x^8+4x^7+4x^3+4x^2+5x+1}{(x^2+x+1)(x^2+1)(x^4-x^2+1)(x-1)^2}$$

Sequence: A315254
Score: 3.66624
Type of gen. func.: ogf

$$\frac{(x^2+1)(x^{10}+5x^9+3x^8+2x^6+4x^5+2x^4+3x^2+5x+1)}{(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A315254
Score: 4.79625
Type of gen. func.: ogf

$$\frac{(x^2+1)(x^{10}+5x^9+3x^8+2x^6+4x^5+2x^4+3x^2+5x+1)}{(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A315255
Score: 4.66334
Type of gen. func.: ogf

$$\frac{x^{10}+4x^9+5x^7+4x^5+5x^3+4x+1}{(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x-1)^2}$$

Sequence: A315255
Score: 4.82304
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 5 x^7 + 4 x^5 + 5 x^3 + 4 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A315256
Score: 4.69443
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 4 x^8 + 5 x^7 + 5 x^6 + 4 x^5 + 5 x^4 + 5 x^3 + 4 x^2 + 5 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315256
Score: 5.54460
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 4 x^8 + 5 x^7 + 5 x^6 + 4 x^5 + 5 x^4 + 5 x^3 + 4 x^2 + 5 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315257
Score: 7.01065
Type of gen. func.: ogf

$$\frac{x^6 + 4 x^5 + 5 x^3 + 4 x + 1}{(x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A315257
Score: 7.29975
Type of gen. func.: ogf

```
          6      5      3
         x  + 4 x  + 5 x  + 4 x + 1
      ------------------------------------
        2            2                  2
```

$$(x + x + 1) (x - x + 1) (x - 1)$$

Sequence: A315258
Score: 4.69443
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 4 x^8 + 4 x^7 + x^5 + 4 x^3 + 4 x^2 + 5 x + 1}{(x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315258
Score: 4.92422
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 4 x^8 + 4 x^7 + x^5 + 4 x^3 + 4 x^2 + 5 x + 1}{(x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315259
Score: 5.66461
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 5 x^5 + 5 x^3 + 4 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A315259
Score: 7.29975
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 5 x^5 + 5 x^3 + 4 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A315260
Score: 3.97796
Type of gen. func.: ogf

$$\frac{x^{12}+4x^{11}+5x^{9}+5x^{7}+5x^{5}+5x^{3}+4x+1}{(x^2+1)(x^2+x+1)(x^2-x+1)(x^4-x^2+1)(x-1)^2}$$

Sequence: A315260
Score: 4.34403
Type of gen. func.: ogf

$$\frac{x^{12}+4x^{11}+5x^{9}+5x^{7}+5x^{5}+5x^{3}+4x+1}{(x^2+1)(x^2+x+1)(x^2-x+1)(x^4-x^2+1)(x-1)^2}$$

Sequence: A315261
Score: 3.38792
Type of gen. func.: ogf

$$(x^{12}+5x^{11}+4x^{10}+5x^{9}+5x^{8}+5x^{7}+6x^{6}+5x^{5}+5x^{4}+5x^{3}+4x^{2}+5x+1)\Big/\left((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^2\right)$$

Sequence: A315261
Score: 4.84984
Type of gen. func.: ogf

$$(x^{12}+5x^{11}+4x^{10}+5x^{9}+5x^{8}+5x^{7}+6x^{6}+5x^{5}+5x^{4}+5x^{3}+4x^{2}+5x+1)\Big/\left((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^2\right)$$

Sequence: A315264
Score: 3.70721
Type of gen. func.: ogf

$$\frac{(x^2+1)(x^{10}+5x^{9}+3x^{8}+2x^{6}+6x^{5}+2x^{4}+3x^{2}+5x+1)}{}$$

$$(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2$$

Sequence: A315264
Score: 4.84984
Type of gen. func.: ogf

$$\frac{(x^2+1)(x^{10}+5x^9+3x^8+2x^6+6x^5+2x^4+3x^2+5x+1)}{(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A315265
Score: 4.72051
Type of gen. func.: ogf

$$\frac{x^{10}+5x^9+4x^8+5x^7+5x^6+6x^5+5x^4+5x^3+4x^2+5x+1}{(x^2+x+1)(x^6+x^3+1)(x-1)^2}$$

Sequence: A315265
Score: 5.57540
Type of gen. func.: ogf

$$\frac{x^{10}+5x^9+4x^8+5x^7+5x^6+6x^5+5x^4+5x^3+4x^2+5x+1}{(x^2+x+1)(x^6+x^3+1)(x-1)^2}$$

Sequence: A315266
Score: 4.1408
Type of gen. func.: ogf

$$\frac{x^{12}+4x^{11}+5x^9+6x^7-x^6+6x^5+5x^3+4x+1}{(x^2+1)(x^2+x+1)(x^2-x+1)(x^4-x^2+1)(x-1)^2}$$

Sequence: A315267
Score: 4.77844
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 - x^6 + 2 x^5 + 4 x^4 + 2 x^3 - x^2 + 4 x + 1}{(x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315267
Score: 6.30078
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 - x^6 + 2 x^5 + 4 x^4 + 2 x^3 - x^2 + 4 x + 1}{(x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315270
Score: 6.05193
Type of gen. func.: ogf

$$\frac{x^6 + 3 x^5 - 4 x^4 + 5 x^3 - 4 x^2 + 3 x + 1}{(x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A315270
Score: 6.49611
Type of gen. func.: ogf

$$\frac{x^6 + 3 x^5 - 4 x^4 + 5 x^3 - 4 x^2 + 3 x + 1}{(x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A315271
Score: 4.45674
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 4 x^8 + 4 x^7 + x^6 + x^4 + 4 x^3 + 4 x^2 + 5 x + 1}{(x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315271
Score: 4.66334
Type of gen. func.: ogf

$$\frac{x^{10}+5x^{9}+4x^{8}+4x^{7}+x^{6}+x^{4}+4x^{3}+4x^{2}+5x+1}{(x^{2}+x+1)(x^{2}+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A315272
Score: 3.38792
Type of gen. func.: ogf

$$(x^{12}+5x^{11}+4x^{10}+5x^{9}+6x^{8}+5x^{7}+4x^{6}+5x^{5}+6x^{4}+5x^{3}+4x^{2}+5x+1) / ((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2})$$

Sequence: A315272
Score: 4.84984
Type of gen. func.: ogf

$$(x^{12}+5x^{11}+4x^{10}+5x^{9}+6x^{8}+5x^{7}+4x^{6}+5x^{5}+6x^{4}+5x^{3}+4x^{2}+5x+1) / ((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2})$$

Sequence: A315273
Score: 5.32388
Type of gen. func.: ogf

$$\frac{(x^{2}+1)(x^{6}+5x^{5}+3x^{4}+3x^{2}+5x+1)}{(x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A315273
Score: 6.49611
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^6 + 5 x^5 + 3 x^4 + 3 x^2 + 5 x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315274
Score: 6.05193
Type of gen. func.: ogf

$$\frac{x^6 + 5 x^5 + 5 x^4 + 9 x^3 + 5 x^2 + 5 x + 1}{(x^2 + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A315274
Score: 6.49611
Type of gen. func.: ogf

$$\frac{x^6 + 5 x^5 + 5 x^4 + 9 x^3 + 5 x^2 + 5 x + 1}{(x^2 + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A315275
Score: 4.23998
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 5 x^7 + x^6 + 4 x^5 + x^4 + 5 x^3 + 4 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A315275
Score: 4.37084
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 5 x^7 + x^6 + 4 x^5 + x^4 + 5 x^3 + 4 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A315276
Score: 3.5959
Type of gen. func.: ogf

$$-(x^{23} - x^{15} - x^{12} - 8 x^{11} - 9 x^{10} - 15 x^{9} - 14 x^{8} - 17 x^{7} - 18 x^{6} - 16 x^{5} - 15 x^{4} - 14 x^{3} - 10 x^{2} - 6 x - 1) \Big/ ((x^{6} + x^{3} + 1) (x - 1)^{2} (x^{2} + x + 1)^{2})$$

Sequence: A315276
Score: 4.06850
Type of gen. func.: ogf

$$-(x^{23} - x^{15} - x^{12} - 8 x^{11} - 9 x^{10} - 15 x^{9} - 14 x^{8} - 17 x^{7} - 18 x^{6} - 16 x^{5} - 15 x^{4} - 14 x^{3} - 10 x^{2} - 6 x - 1) \Big/ ((x^{6} + x^{3} + 1) (x - 1)^{2} (x^{2} + x + 1)^{2})$$

Sequence: A315277
Score: 3.40664
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 4 x^{10} + 5 x^{9} + 6 x^{8} + 6 x^{7} + 4 x^{6} + 6 x^{5} + 6 x^{4} + 5 x^{3} + 4 x^{2} + 5 x + 1) \Big/ ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A315277
Score: 4.87663
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 4 x^{10} + 5 x^{9} + 6 x^{8} + 6 x^{7} + 4 x^{6} + 6 x^{5} + 6 x^{4} + 5 x^{3} + 4 x^{2} + 5 x + 1) \Big/ ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)$$

2

$$(x - 1))$$

Sequence: A315284
Score: 4.09189
Type of gen. func.: ogf

$$\left(x^{14} + 4 x^{13} - x^{12} + x^{11} + 2 x^{10} - 2 x^{9} + 6 x^{7} - 2 x^{5} + 2 x^{4} + x^{3} - x^{2} + 4 x + 1\right) \Big/ \left((x^{6} + x^{3} + 1) (x^{6} - x^{3} + 1) (x - 1)^{2}\right)$$

Sequence: A315286
Score: 3.45403
Type of gen. func.: ogf

$$\left(x^{14} + 6 x^{13} + 10 x^{12} + 15 x^{11} + 23 x^{10} + 25 x^{9} + 32 x^{8} + 36 x^{7} + 32 x^{6} + 25 x^{5} + 23 x^{4} + 15 x^{3} + 10 x^{2} + 6 x + 1\right) \Big/ \left((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2}\right)$$

Sequence: A315286
Score: 4.16515
Type of gen. func.: ogf

$$\left(x^{14} + 6 x^{13} + 10 x^{12} + 15 x^{11} + 23 x^{10} + 25 x^{9} + 32 x^{8} + 36 x^{7} + 32 x^{6} + 25 x^{5} + 23 x^{4} + 15 x^{3} + 10 x^{2} + 6 x + 1\right) \Big/ \left((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2}\right)$$

Sequence: A315293
Score: 4.02253
Type of gen. func.: ogf

$$- \left(2 x^{16} - 2 x^{14} + x^{12} - 8 x^{11} - 8 x^{10} - 6 x^{9} - x^{8} - 12 x^{7} - 18 x^{6} - 12 x^{5} - x^{4} - 4 x^{3} - 8 x^{2} - 6 x - 1\right) \Big/ \left((x - 1)^{2} (x + 1)^{2} (x^{4} + 1)^{2}\right)$$

Sequence: A315294
Score: 3.45403
Type of gen. func.: ogf

$$(x^{14} + 6 x^{13} + 10 x^{12} + 16 x^{11} + 18 x^{10} + 28 x^9 + 27 x^8 + 40 x^7 + 27 x^6 + 28 x^5 + 18 x^4 + 16 x^3 + 10 x^2 + 6 x + 1) \Big/ ((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A315294
Score: 4.16515
Type of gen. func.: ogf

$$(x^{14} + 6 x^{13} + 10 x^{12} + 16 x^{11} + 18 x^{10} + 28 x^9 + 27 x^8 + 40 x^7 + 27 x^6 + 28 x^5 + 18 x^4 + 16 x^3 + 10 x^2 + 6 x + 1) \Big/ ((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A315300
Score: 4.23802
Type of gen. func.: ogf

$$- (2 x^{16} + 2 x^{14} - x^{12} - 8 x^{11} - 12 x^{10} - 20 x^9 - 21 x^8 - 30 x^7 - 30 x^6 - 28 x^5 - 19 x^4 - 16 x^3 - 10 x^2 - 6 x - 1) \Big/ ((x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2)$$

Sequence: A315301
Score: 4.75219
Type of gen. func.: ogf

$$(x^{10} + 6 x^9 + 10 x^8 + 16 x^7 + 19 x^6 + 28 x^5 + 19 x^4 + 16 x^3 + 10 x^2 + 6 x + 1)$$

```
       /         2   4    3    2         2
```

$$/ \left((x - 1)\ (x + x + x + x + 1)\right)$$

Sequence: A315301
Score: 5.44674
Type of gen. func.: ogf

$$\left(x^{10} + 6 x^{9} + 10 x^{8} + 16 x^{7} + 19 x^{6} + 28 x^{5} + 19 x^{4} + 16 x^{3} + 10 x^{2} + 6 x + 1\right) / \left((x - 1)^{2}\ (x^{4} + x^{3} + x^{2} + x + 1)^{2}\right)$$

Sequence: A315302
Score: 3.35049
Type of gen. func.: ogf

$$\left(x^{12} + 5 x^{11} + 4 x^{10} + 6 x^{9} + 4 x^{8} + 4 x^{7} + 4 x^{6} + 4 x^{5} + 4 x^{4} + 6 x^{3} + 4 x^{2} + 5 x + 1\right) / \left((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)\ (x - 1)^{2}\right)$$

Sequence: A315302
Score: 4.79625
Type of gen. func.: ogf

$$\left(x^{12} + 5 x^{11} + 4 x^{10} + 6 x^{9} + 4 x^{8} + 4 x^{7} + 4 x^{6} + 4 x^{5} + 4 x^{4} + 6 x^{3} + 4 x^{2} + 5 x + 1\right) / \left((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)\ (x - 1)^{2}\right)$$

Sequence: A315303
Score: 4.21655
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + 6 x^{7} - 2 x^{6} + 6 x^{5} - 2 x^{4} + 6 x^{3} + 4 x + 1}{(x^{4} + x^{3} + x^{2} + x + 1)\ (x^{4} - x^{3} + x^{2} - x + 1)\ (x - 1)^{2}}$$

Sequence: A315303
Score: 4.34669
Type of gen. func.: ogf

$$\frac{x^{10}+4x^{9}+6x^{7}-2x^{6}+6x^{5}-2x^{4}+6x^{3}+4x+1}{(x^{4}+x^{3}+x^{2}+x+1)\,(x^{4}-x^{3}+x^{2}-x+1)\,(x-1)^{2}}$$

Sequence: A315304
Score: 4.69443
Type of gen. func.: ogf

$$\frac{x^{10}+5x^{9}+4x^{8}+6x^{7}+4x^{6}+4x^{5}+4x^{4}+6x^{3}+4x^{2}+5x+1}{(x^{2}+x+1)\,(x^{6}+x^{3}+1)\,(x-1)^{2}}$$

Sequence: A315304
Score: 5.54460
Type of gen. func.: ogf

$$\frac{x^{10}+5x^{9}+4x^{8}+6x^{7}+4x^{6}+4x^{5}+4x^{4}+6x^{3}+4x^{2}+5x+1}{(x^{2}+x+1)\,(x^{6}+x^{3}+1)\,(x-1)^{2}}$$

Sequence: A315305
Score: 3.36921
Type of gen. func.: ogf

$$(x^{12}+5x^{11}+4x^{10}+6x^{9}+4x^{8}+4x^{7}+6x^{6}+4x^{5}+4x^{4}+6x^{3}+4x^{2}+5x+1)\Big/\left((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)\,(x-1)^{2}\right)$$

Sequence: A315305
Score: 4.82304

Type of gen. func.: ogf

$$\frac{x^{12} + 5 x^{11} + 4 x^{10} + 6 x^9 + 4 x^8 + 4 x^7 + 6 x^6 + 4 x^5 + 4 x^4 + 6 x^3 + 4 x^2 + 5 x + 1}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315306
Score: 6.49611
Type of gen. func.: ogf

$$\frac{x^6 + 4 x^5 - x^4 + 2 x^3 - x^2 + 4 x + 1}{(x^4 + 1) (x - 1)^2}$$

Sequence: A315306
Score: 7.95591
Type of gen. func.: ogf

$$\frac{x^6 + 4 x^5 - x^4 + 2 x^3 - x^2 + 4 x + 1}{(x^4 + 1) (x - 1)^2}$$

Sequence: A315307
Score: 3.38792
Type of gen. func.: ogf

$$\frac{x^{12} + 5 x^{11} + 4 x^{10} + 6 x^9 + 4 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 4 x^4 + 6 x^3 + 4 x^2 + 5 x + 1}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315307
Score: 4.84984
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 4 x^{10} + 6 x^9 + 4 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 4 x^4 + 6 x^3 + 4 x^2 + 5 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315308
Score: 4.72051
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 4 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 4 x^4 + 6 x^3 + 4 x^2 + 5 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315308
Score: 5.57540
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 4 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 4 x^4 + 6 x^3 + 4 x^2 + 5 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315309
Score: 5.02182
Type of gen. func.: ogf

$$\frac{x^8 + 5 x^7 + 4 x^6 + 6 x^5 + 4 x^4 + 6 x^3 + 4 x^2 + 5 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315309
Score: 6.49611
Type of gen. func.: ogf

$$\frac{x^8 + 5 x^7 + 4 x^6 + 6 x^5 + 4 x^4 + 6 x^3 + 4 x^2 + 5 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315310
Score: 3.7865
Type of gen. func.: ogf

$$\frac{x^{12} + 4 x^{11} + 6 x^{9} - 2 x^{8} + 8 x^{7} - 3 x^{6} + 8 x^{5} - 2 x^{4} + 6 x^{3} + 4 x + 1}{(x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A315311
Score: 6.49611
Type of gen. func.: ogf

$$\frac{x^{6} + 5 x^{5} + 4 x^{4} + 6 x^{3} + 4 x^{2} + 5 x + 1}{(x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A315311
Score: 7.61372
Type of gen. func.: ogf

$$\frac{x^{6} + 5 x^{5} + 4 x^{4} + 6 x^{3} + 4 x^{2} + 5 x + 1}{(x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A315312
Score: 3.40664
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 4 x^{10} + 6 x^{9} + 4 x^{8} + 6 x^{7} + 6 x^{6} + 6 x^{5} + 4 x^{4} + 6 x^{3} + 4 x^{2} + 5 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A315312
Score: 4.87663
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 4 x^{10} + 6 x^9 + 4 x^8 + 6 x^7 + 6 x^6 + 6 x^5 + 4 x^4 + 6 x^3 + 4 x^2 + 5 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315315
Score: 6.0185
Type of gen. func.: ogf

$$\frac{x^8 + 5 x^7 + 3 x^6 - 3 x^4 + 3 x^2 + 5 x + 1}{(x^2 + x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315315
Score: 6.01850
Type of gen. func.: ogf

$$\frac{x^8 + 5 x^7 + 3 x^6 - 3 x^4 + 3 x^2 + 5 x + 1}{(x^2 + x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315316
Score: 3.38792
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 4 x^{10} + 6 x^9 + 5 x^8 + 4 x^7 + 6 x^6 + 4 x^5 + 5 x^4 + 6 x^3 + 4 x^2 + 5 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315316
Score: 4.84984
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 4 x^{10} + 6 x^9 + 5 x^8 + 4 x^7 + 6 x^6 + 4 x^5 + 5 x^4 + 6 x^3 + 4 x^2$$

$$+ 5 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315317
Score: 4.68925
Type of gen. func.: ogf

$$\frac{x^8 + 5 x^7 + 5 x^6 + 10 x^5 + 5 x^4 + 10 x^3 + 5 x^2 + 5 x + 1}{(x^2 - x + 1) (x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A315317
Score: 5.40516
Type of gen. func.: ogf

$$\frac{x^8 + 5 x^7 + 5 x^6 + 10 x^5 + 5 x^4 + 10 x^3 + 5 x^2 + 5 x + 1}{(x^2 - x + 1) (x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A315318
Score: 4.72051
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 4 x^8 + 5 x^7 + x^5 + 5 x^3 + 4 x^2 + 5 x + 1}{(x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x - 1)}$$

Sequence: A315318
Score: 4.95158
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 4 x^8 + 5 x^7 + x^5 + 5 x^3 + 4 x^2 + 5 x + 1}{(x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315319
Score: 4.23998
Type of gen. func.: ogf

$$\frac{x^{10}+4x^{9}+6x^{7}-x^{6}+6x^{5}-x^{4}+6x^{3}+4x+1}{(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)(x-1)^{2}}$$

Sequence: A315319
Score: 4.37084
Type of gen. func.: ogf

$$\frac{x^{10}+4x^{9}+6x^{7}-x^{6}+6x^{5}-x^{4}+6x^{3}+4x+1}{(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)(x-1)^{2}}$$

Sequence: A315320
Score: 5.35329
Type of gen. func.: ogf

$$\frac{(x^{2}+x+1)(x^{6}+3x^{5}-4x^{4}+7x^{3}-4x^{2}+3x+1)}{(x^{4}+1)(x^{2}+1)(x-1)^{2}}$$

Sequence: A315320
Score: 5.69591
Type of gen. func.: ogf

$$\frac{(x^{2}+x+1)(x^{6}+3x^{5}-4x^{4}+7x^{3}-4x^{2}+3x+1)}{(x^{4}+1)(x^{2}+1)(x-1)^{2}}$$

Sequence: A315321
Score: 3.40664
Type of gen. func.: ogf

$$(x^{12}+5x^{11}+4x^{10}+6x^{9}+5x^{8}+5x^{7}+6x^{6}+5x^{5}+5x^{4}+6x^{3}+4x^{2}+5x+1) / ((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)$$

$$\Big/ \; (x-1)^{2})$$

Sequence: A315321
Score: 4.87663
Type of gen. func.: ogf

$$(x^{12}+5x^{11}+4x^{10}+6x^{9}+5x^{8}+5x^{7}+6x^{6}+5x^{5}+5x^{4}+6x^{3}+4x^{2}+5x+1) \Big/ ((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2})$$

Sequence: A315322
Score: 4.74659
Type of gen. func.: ogf

$$\frac{x^{10}+5x^{9}+4x^{8}+5x^{7}+2x^{5}+5x^{3}+4x^{2}+5x+1}{(x^{2}+x+1)(x^{2}+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A315322
Score: 4.97894
Type of gen. func.: ogf

$$\frac{x^{10}+5x^{9}+4x^{8}+5x^{7}+2x^{5}+5x^{3}+4x^{2}+5x+1}{(x^{2}+x+1)(x^{2}+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A315326
Score: 3.38792
Type of gen. func.: ogf

$$(x^{12}+5x^{11}+4x^{10}+6x^{9}+6x^{8}+4x^{7}+4x^{6}+4x^{5}+6x^{4}+6x^{3}+4x^{2}+5x+1) \Big/ ((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)$$

^{2}

$(x - 1))$

Sequence: A315326
Score: 4.84984
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 4 x^{10} + 6 x^9 + 6 x^8 + 4 x^7 + 4 x^6 + 4 x^5 + 6 x^4 + 6 x^3 + 4 x^2 + 5 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315327
Score: 4.00043
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^8 + 4 x^7 - x^6 + 2 x^5 + x^4 + 2 x^3 - x^2 + 4 x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A315327
Score: 4.68925
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^8 + 4 x^7 - x^6 + 2 x^5 + x^4 + 2 x^3 - x^2 + 4 x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A315329
Score: 3.43956
Type of gen. func.: ogf

$$(x^2 + 1) (x^{10} + 5 x^9 + 3 x^8 + x^7 + 3 x^6 + 3 x^5 + 3 x^4 + x^3 + 3 x^2 + 5 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315329
Score: 4.87663
Type of gen. func.: ogf

$$\frac{(x^2+1)(x^{10}+5x^9+3x^8+x^7+3x^6+3x^5+3x^4+x^3+3x^2+5x+1)}{(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A315331
Score: 4.31265
Type of gen. func.: ogf

$$-\frac{2x^{11}-2x^9-x^8-6x^7-11x^6-10x^5-12x^4-10x^3-9x^2-6x-1}{(x^2+x+1)(x^2-x+1)(x-1)^2(x+1)^2}$$

Sequence: A315331
Score: 5.34254
Type of gen. func.: ogf

$$-\frac{2x^{11}-2x^9-x^8-6x^7-11x^6-10x^5-12x^4-10x^3-9x^2-6x-1}{(x^2+x+1)(x^2-x+1)(x-1)^2(x+1)^2}$$

Sequence: A315332
Score: 3.47311
Type of gen. func.: ogf

$$\frac{x^{14}+6x^{13}+10x^{12}+16x^{11}+22x^{10}+27x^9+31x^8+36x^7+31x^6+27x^5+22x^4+16x^3+10x^2+6x+1}{(x-1)^2(x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A315332
Score: 4.18816
Type of gen. func.: ogf

```
  14      13       12       11       10        9       8       7       6       5
```

$$(x + 6 x + 10 x + 16 x + 22 x + 27 x + 31 x + 36 x + 31 x + 27 x + 22 x^4 + 16 x^3 + 10 x^2 + 6 x + 1) \Big/ \left((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2\right)$$

Sequence: A315333
Score: 4.71515
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 6 x^7 + 5 x^5 + 6 x^3 + 4 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A315333
Score: 4.87663
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 6 x^7 + 5 x^5 + 6 x^3 + 4 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A315334
Score: 3.39042
Type of gen. func.: ogf

$$(x^2 + 1) (x^2 + x + 1) (x^8 + 4 x^7 - 2 x^6 - x^5 + 6 x^4 - x^3 - 2 x^2 + 4 x + 1) \Big/ \left((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2\right)$$

Sequence: A315334
Score: 4.87663
Type of gen. func.: ogf

$$(x^2 + 1) (x^2 + x + 1) (x^8 + 4 x^7 - 2 x^6 - x^5 + 6 x^4 - x^3 - 2 x^2 + 4 x + 1) \Big/ \left((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2\right)$$

Sequence: A315335
Score: 4.28909
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 4 x^8 + 5 x^7 + x^6 + x^5 + x^4 + 5 x^3 + 4 x^2 + 5 x + 1}{(x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315335
Score: 4.47791
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 4 x^8 + 5 x^7 + x^6 + x^5 + x^4 + 5 x^3 + 4 x^2 + 5 x + 1}{(x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315337
Score: 4.94436
Type of gen. func.: ogf

$$\frac{x^8 + 5 x^7 + 5 x^6 + 11 x^5 + 10 x^4 + 11 x^3 + 5 x^2 + 5 x + 1}{(x^2 + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315339
Score: 5.04956
Type of gen. func.: ogf

$$\frac{(x^2 + 1) (x^6 + 5 x^5 + 3 x^4 + x^3 + 3 x^2 + 5 x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315339
Score: 6.53200
Type of gen. func.: ogf

$$(x^2 + 1) (x^6 + 5 x^5 + 3 x^4 + x^3 + 3 x^2 + 5 x + 1)$$

$$\overline{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315340
Score: 3.40664
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 4 x^{10} + 6 x^9 + 6 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 6 x^4 + 6 x^3 + 4 x^2 + 5 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315340
Score: 4.87663
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 4 x^{10} + 6 x^9 + 6 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 6 x^4 + 6 x^3 + 4 x^2 + 5 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315341
Score: 4.55987
Type of gen. func.: ogf

$$- \frac{2 x^{12} - 3 x^8 - 8 x^7 - 9 x^6 - 12 x^5 - 12 x^4 - 10 x^3 - 9 x^2 - 6 x - 1}{(x^2 + x + 1) (x^2 - x + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A315341
Score: 5.72720
Type of gen. func.: ogf

$$- \frac{2 x^{12} - 3 x^8 - 8 x^7 - 9 x^6 - 12 x^5 - 12 x^4 - 10 x^3 - 9 x^2 - 6 x - 1}{(x^2 + x + 1) (x^2 - x + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A315342
Score: 5.69590
Type of gen. func.: ogf

$$\frac{x^8 + 4x^7 + 6x^5 + 6x^3 + 4x + 1}{(x^4 + 1)(x^2 + 1)(x - 1)^2}$$

Sequence: A315342
Score: 7.34008
Type of gen. func.: ogf

$$\frac{x^8 + 4x^7 + 6x^5 + 6x^3 + 4x + 1}{(x^4 + 1)(x^2 + 1)(x - 1)^2}$$

Sequence: A315343
Score: 4.77267
Type of gen. func.: ogf

$$\frac{x^{10} + 5x^9 + 4x^8 + 6x^7 + 6x^6 + 6x^5 + 6x^4 + 6x^3 + 4x^2 + 5x + 1}{(x^2 + x + 1)(x^6 + x^3 + 1)(x - 1)^2}$$

Sequence: A315343
Score: 5.63701
Type of gen. func.: ogf

$$\frac{x^{10} + 5x^9 + 4x^8 + 6x^7 + 6x^6 + 6x^5 + 6x^4 + 6x^3 + 4x^2 + 5x + 1}{(x^2 + x + 1)(x^6 + x^3 + 1)(x - 1)^2}$$

Sequence: A315344
Score: 4.74106
Type of gen. func.: ogf

10   9   7   5   3

$$\frac{x + 4 x + 6 x + 6 x + 6 x + 4 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A315344
Score: 4.90343
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 6 x^7 + 6 x^5 + 6 x^3 + 4 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A315345
Score: 3.45846
Type of gen. func.: ogf

$$(x^2 + 1) (x^{10} + 5 x^9 + 3 x^8 + x^7 + 3 x^6 + 5 x^5 + 3 x^4 + x^3 + 3 x^2 + 5 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315345
Score: 4.90342
Type of gen. func.: ogf

$$(x^2 + 1) (x^{10} + 5 x^9 + 3 x^8 + x^7 + 3 x^6 + 5 x^5 + 3 x^4 + x^3 + 3 x^2 + 5 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315348
Score: 5.30296
Type of gen. func.: ogf

$$- \frac{2 x^{10} - x^8 - 8 x^7 - 12 x^6 - 18 x^5 - 20 x^4 - 16 x^3 - 10 x^2 - 6 x - 1}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A315348
Score: 6.01597
Type of gen. func.: ogf

$$-\frac{2 x^{10} - x^{8} - 8 x^{7} - 12 x^{6} - 18 x^{5} - 20 x^{4} - 16 x^{3} - 10 x^{2} - 6 x - 1}{(x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2}}$$

Sequence: A315351
Score: 3.31157
Type of gen. func.: ogf

$$(x^{2} + x + 1) (x^{10} + 5 x^{9} + 4 x^{8} + 8 x^{7} + 9 x^{6} + 10 x^{5} + 9 x^{4} + 8 x^{3} + 4 x^{2} + 5 x + 1) \Big/ ((x^{4} + x^{3} + x^{2} + x + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A315351
Score: 4.50625
Type of gen. func.: ogf

$$(x^{2} + x + 1) (x^{10} + 5 x^{9} + 4 x^{8} + 8 x^{7} + 9 x^{6} + 10 x^{5} + 9 x^{4} + 8 x^{3} + 4 x^{2} + 5 x + 1) \Big/ ((x^{4} + x^{3} + x^{2} + x + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A315360
Score: 3.86973
Type of gen. func.: ogf

$$(x^{12} + 6 x^{11} + 10 x^{10} + 18 x^{9} + 21 x^{8} + 26 x^{7} + 34 x^{6} + 26 x^{5} + 21 x^{4} + 18 x^{3} + 10 x^{2} + 6 x + 1) \Big/ ((x - 1)^{2} (x + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2})$$

Sequence: A315360
Score: 4.77267

Type of gen. func.: ogf

$$(x^{12} + 6 x^{11} + 10 x^{10} + 18 x^9 + 21 x^8 + 26 x^7 + 34 x^6 + 26 x^5 + 21 x^4 + 18 x^3 + 10 x^2 + 6 x + 1) / ((x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2)$$

Sequence: A315361
Score: 7.45729
Type of gen. func.: ogf

$$\frac{x^6 + 6 x^5 + 10 x^4 + 16 x^3 + 10 x^2 + 6 x + 1}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A315361
Score: 7.78152
Type of gen. func.: ogf

$$\frac{x^6 + 6 x^5 + 10 x^4 + 16 x^3 + 10 x^2 + 6 x + 1}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A315365
Score: 3.86973
Type of gen. func.: ogf

$$(x^{12} + 6 x^{11} + 10 x^{10} + 18 x^9 + 24 x^8 + 26 x^7 + 34 x^6 + 26 x^5 + 24 x^4 + 18 x^3 + 10 x^2 + 6 x + 1) / ((x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2)$$

Sequence: A315365
Score: 4.77267
Type of gen. func.: ogf

$$(x^{12} + 6 x^{11} + 10 x^{10} + 18 x^9 + 24 x^8 + 26 x^7 + 34 x^6 + 26 x^5 + 24 x^4 + 18 x^3 + 10 x^2 + 6 x + 1) / ((x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2)$$

Sequence: A315367
Score: 3.72574
Type of gen. func.: ogf

$$\left(x^{12} + 4 x^{11} + 2 x^{10} + 5 x^{9} + 4 x^{8} + 6 x^{7} + 10 x^{6} + 6 x^{5} + 4 x^{4} + 5 x^{3} + 2 x^{2} + 4 x + 1\right) (x + 1)^{2} \Big/ \left((x - 1)^{2} \left(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1\right)^{2}\right)$$

Sequence: A315367
Score: 4.14214
Type of gen. func.: ogf

$$\left(x^{12} + 4 x^{11} + 2 x^{10} + 5 x^{9} + 4 x^{8} + 6 x^{7} + 10 x^{6} + 6 x^{5} + 4 x^{4} + 5 x^{3} + 2 x^{2} + 4 x + 1\right) (x + 1)^{2} \Big/ \left((x - 1)^{2} \left(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1\right)^{2}\right)$$

Sequence: A315369
Score: 3.43495
Type of gen. func.: ogf

$$\left(x^{14} + 6 x^{13} + 11 x^{12} + 13 x^{11} + 17 x^{10} + 19 x^{9} + 28 x^{8} + 32 x^{7} + 28 x^{6} + 19 x^{5} + 17 x^{4} + 13 x^{3} + 11 x^{2} + 6 x + 1\right) \Big/ \left((x - 1)^{2} \left(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1\right)^{2}\right)$$

Sequence: A315369
Score: 4.14214
Type of gen. func.: ogf

$$\left(x^{14} + 6 x^{13} + 11 x^{12} + 13 x^{11} + 17 x^{10} + 19 x^{9} + 28 x^{8} + 32 x^{7} + 28 x^{6} + 19 x^{5} + 17 x^{4} + 13 x^{3} + 11 x^{2} + 6 x + 1\right) \Big/ \left((x - 1)^{2} \left(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1\right)^{2}\right)$$

Sequence: A315370
Score: 3.70827
Type of gen. func.: ogf

$$-(x^{14} - x^{13} + x^{12} - 2 x^{10} - 5 x^{9} - 5 x^{8} - 5 x^{7} - 10 x^{6} - 11 x^{5} - 11 x^{4} - 3 x^{3} - 5 x^{2} - 5 x - 1) / ((x^{2} + x + 1) (x + 1)^{2} (x - 1)^{2} (x^{2} - x + 1)^{2})$$

Sequence: A315371
Score: 3.43495
Type of gen. func.: ogf

$$(x^{14} + 6 x^{13} + 11 x^{12} + 14 x^{11} + 19 x^{10} + 21 x^{9} + 28 x^{8} + 32 x^{7} + 28 x^{6} + 21 x^{5} + 20 x^{4} + 13 x^{3} + 11 x^{2} + 6 x + 1) / ((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A315371
Score: 4.14214
Type of gen. func.: ogf

$$(x^{14} + 6 x^{13} + 11 x^{12} + 14 x^{11} + 19 x^{10} + 21 x^{9} + 28 x^{8} + 32 x^{7} + 28 x^{6} + 21 x^{5} + 20 x^{4} + 13 x^{3} + 11 x^{2} + 6 x + 1) / ((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A315372
Score: 3.97871
Type of gen. func.: ogf

$$(x^{14} + 4 x^{13} + 2 x^{12} + 5 x^{11} + 8 x^{10} + 2 x^{9} + 13 x^{8} + 6 x^{7} + 13 x^{6} + 2 x^{5} + 8 x^{4} + 5 x^{3} + 2 x^{2} + 4 x + 1) / ((x - 1)^{2} (x^{2} + 1)^{2} (x^{4} + 1)^{2})$$

Sequence: A315373
Score: 4.75219
Type of gen. func.: ogf

$$(x^{10} + 6 x^9 + 11 x^8 + 13 x^7 + 20 x^6 + 24 x^5 + 20 x^4 + 13 x^3 + 11 x^2 + 6 x + 1) / ((x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A315373
Score: 5.44674
Type of gen. func.: ogf

$$(x^{10} + 6 x^9 + 11 x^8 + 13 x^7 + 20 x^6 + 24 x^5 + 20 x^4 + 13 x^3 + 11 x^2 + 6 x + 1) / ((x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A315384
Score: 5.48896
Type of gen. func.: ogf

$$- \frac{x^9 - x^7 - x^6 - 6 x^5 - 5 x^4 - 3 x^3 - 5 x^2 - 5 x - 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315384
Score: 6.49611
Type of gen. func.: ogf

$$- \frac{x^9 - x^7 - x^6 - 6 x^5 - 5 x^4 - 3 x^3 - 5 x^2 - 5 x - 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315393
Score: 3.95623
Type of gen. func.: ogf

14 13 12 11 10 9 8 7 6 5

```
(x   + 4 x   + 2 x   + 7 x   + 2 x   + 10 x  + 4 x  + 15 x  + 4 x  + 10 x

          4      3      2              /         2   2     2   4     2
     + 2 x  + 7 x  + 2 x  + 4 x + 1)  /  ((x - 1)  (x  + 1)  (x  + 1) )
                                     /
```

Sequence: A315394
Score: 4.4888
Type of gen. func.: ogf

```
  12      11    10      9    8      7      6      5    4      3    2
(x   + 4 x   + x   + 3 x  + x  + 7 x  + 4 x  + 7 x  + x  + 3 x  + x  + 4 x + 1)

       /    2             2   4     2
      /  ((x  + 1) (x - 1)  (x  + 1) )
     /
```

Sequence: A315395
Score: 3.97909
Type of gen. func.: ogf

```
         10      9      8      7    6    5    4      3      2
        x   + 3 x  - 3 x  + 3 x  + x  - x  + x  + 3 x  - 3 x  + 3 x + 1
        ---------------------------------------------------------------
                   2        2            4    2            2
                 (x  + 1) (x  - x + 1) (x  - x  + 1) (x - 1)
```

Sequence: A315395
Score: 4.19482
Type of gen. func.: ogf

```
         10      9      8      7    6    5    4      3      2
        x   + 3 x  - 3 x  + 3 x  + x  - x  + x  + 3 x  - 3 x  + 3 x + 1
        ---------------------------------------------------------------
                   2        2            4    2            2
                 (x  + 1) (x  - x + 1) (x  - x  + 1) (x - 1)
```

Sequence: A315396
Score: 3.35049
Type of gen. func.: ogf

```
  12      11      10      9      8      7      6      5      4      3      2
(x   + 5 x   + 5 x   + 4 x  + 4 x  + 4 x  + 4 x  + 4 x  + 4 x  + 4 x  + 5 x

                  /    10    9    8    7    6    5    4    3    2
     + 5 x + 1)  /  ((x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1)
                /

           2
    (x - 1) )
```

Sequence: A315396
Score: 4.79625
Type of gen. func.: ogf

$$\frac{x^{12}+5x^{11}+5x^{10}+4x^{9}+4x^{8}+4x^{7}+4x^{6}+4x^{5}+4x^{4}+4x^{3}+5x^{2}+5x+1}{(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A315397
Score: 3.934
Type of gen. func.: ogf

$$\frac{x^{10}+4x^{9}+x^{8}+3x^{7}+x^{6}+3x^{5}+x^{4}+3x^{3}+x^{2}+4x+1}{(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)(x-1)^{2}}$$

Sequence: A315398
Score: 5.98506
Type of gen. func.: ogf

$$\frac{x^{8}+4x^{7}+4x^{4}+4x+1}{(x^{6}+x^{3}+1)(x-1)^{2}}$$

Sequence: A315398
Score: 8.64509
Type of gen. func.: ogf

$$\frac{x^{8}+4x^{7}+4x^{4}+4x+1}{(x^{6}+x^{3}+1)(x-1)^{2}}$$

Sequence: A315399
Score: 4.69968
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + x^6 + 3 x^5 + x^4 + 3 x^3 + x^2 + 4 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A315399
Score: 5.78721
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + x^6 + 3 x^5 + x^4 + 3 x^3 + x^2 + 4 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A315400
Score: 4.54709
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 - x^7 + x^6 + 4 x^5 + x^4 - x^3 + 4 x + 1}{(x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315400
Score: 4.63743
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 - x^7 + x^6 + 4 x^5 + x^4 - x^3 + 4 x + 1}{(x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315401
Score: 4.99407
Type of gen. func.: ogf

$$\frac{x^8 + 5 x^7 + 5 x^6 + 4 x^5 + 4 x^4 + 4 x^3 + 5 x^2 + 5 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315401
Score: 6.46022
Type of gen. func.: ogf

$$\frac{x^8+5x^7+5x^6+4x^5+4x^4+4x^3+5x^2+5x+1}{(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A315402
Score: 3.95598
Type of gen. func.: ogf

$$\frac{x^{10}+4x^9+x^8+3x^7+x^6+4x^5+x^4+3x^3+x^2+4x+1}{(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x-1)^2}$$

Sequence: A315403
Score: 3.45178
Type of gen. func.: ogf

$$(x^{12}+4x^{11}+x^{10}+3x^9+x^8+4x^7+x^6+4x^5+x^4+3x^3+x^2+4x+1) / ((x^2+1)(x^2+x+1)(x^2-x+1)(x^4-x^2+1)(x-1)^2)$$

Sequence: A315404
Score: 3.36921
Type of gen. func.: ogf

$$(x^{12}+5x^{11}+5x^{10}+4x^9+4x^8+5x^7+6x^6+5x^5+4x^4+4x^3+5x^2+5x+1) / ((x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2)$$

Sequence: A315404
Score: 4.82304
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 5 x^{10} + 4 x^{9} + 4 x^{8} + 5 x^{7} + 6 x^{6} + 5 x^{5} + 4 x^{4} + 4 x^{3} + 5 x^{2} + 5 x + 1) \Big/ ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A315405
Score: 4.88328
Type of gen. func.: ogf

$$(f(x) + 8) (f(x) x^{4} - 3 f(x) x^{3} - x^{4} + 4 f(x) x^{2} - 3 x^{3} - 3 f(x) x + 3 x^{2} + f(x) - 3 x - 1)$$

Sequence: A315405
Score: 8.33031
Type of gen. func.: ogf

$$\frac{x^{4} + 3 x^{3} - 3 x^{2} + 3 x + 1}{(x - 1)^{2} (x^{2} - x + 1)}$$

Sequence: A315405
Score: 9.19579
Type of gen. func.: ogf

$$\frac{x^{4} + 3 x^{3} - 3 x^{2} + 3 x + 1}{(x - 1)^{2} (x^{2} - x + 1)}$$

Sequence: A315406
Score: 3.38792
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 5 x^{10} + 4 x^{9} + 4 x^{8} + 6 x^{7} + 6 x^{6} + 6 x^{5} + 4 x^{4} + 4 x^{3} + 5 x^{2} + 5 x + 1) \Big/ ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)$$

^{2}

$(x - 1))$

Sequence: A315406
Score: 4.84984
Type of gen. func.: ogf

$$\left(x^{12} + 5 x^{11} + 5 x^{10} + 4 x^{9} + 4 x^{8} + 6 x^{7} + 6 x^{6} + 6 x^{5} + 4 x^{4} + 4 x^{3} + 5 x^{2} + 5 x + 1\right) / \left(\left(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1\right) (x - 1)^{2}\right)$$

Sequence: A315409
Score: 3.45178
Type of gen. func.: ogf

$$\left(x^{12} + 4 x^{11} + x^{10} + 3 x^{9} + 2 x^{8} + 3 x^{7} + x^{6} + 3 x^{5} + 2 x^{4} + 3 x^{3} + x^{2} + 4 x + 1\right) / \left(\left(x^{2} + 1\right) \left(x^{2} + x + 1\right) \left(x^{2} - x + 1\right) \left(x^{4} - x^{2} + 1\right) (x - 1)^{2}\right)$$

Sequence: A315410
Score: 3.36921
Type of gen. func.: ogf

$$\left(x^{12} + 5 x^{11} + 5 x^{10} + 4 x^{9} + 5 x^{8} + 5 x^{7} + 4 x^{6} + 5 x^{5} + 5 x^{4} + 4 x^{3} + 5 x^{2} + 5 x + 1\right) / \left(\left(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1\right) (x - 1)^{2}\right)$$

Sequence: A315410
Score: 4.82304
Type of gen. func.: ogf

$$\left(x^{12} + 5 x^{11} + 5 x^{10} + 4 x^{9} + 5 x^{8} + 5 x^{7} + 4 x^{6} + 5 x^{5} + 5 x^{4} + 4 x^{3} + 5 x^{2} + 5 x + 1\right) / \left(\left(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1\right)\right.$$

$$(x - 1)^2)$$

Sequence: A315411
Score: 4.75219
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + x^6 + 3 x^5 + 2 x^4 + 3 x^3 + x^2 + 4 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A315411
Score: 5.85187
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + x^6 + 3 x^5 + 2 x^4 + 3 x^3 + x^2 + 4 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A315412
Score: 3.97796
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + x^8 + 3 x^7 + 2 x^6 + 3 x^5 + 2 x^4 + 3 x^3 + x^2 + 4 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A315413
Score: 4.04615
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 - 3 x^8 + 3 x^7 + 2 x^6 - 2 x^5 + 2 x^4 + 3 x^3 - 3 x^2 + 3 x + 1}{(x^2 + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315413
Score: 4.26552
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 - 3 x^8 + 3 x^7 + 2 x^6 - 2 x^5 + 2 x^4 + 3 x^3 - 3 x^2 + 3 x + 1}{(x^2 + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315414
Score: 3.43726
Type of gen. func.: ogf

$$(x^2 - x + 1) (x^8 + 4 x^7 + x^6 + 2 x^5 - 2 x^4 + 2 x^3 + x^2 + 4 x + 1) (x + 1)^2 / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315414
Score: 4.84984
Type of gen. func.: ogf

$$(x^2 - x + 1) (x^8 + 4 x^7 + x^6 + 2 x^5 - 2 x^4 + 2 x^3 + x^2 + 4 x + 1) (x + 1)^2 / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315415
Score: 3.47096
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + x^{10} + 3 x^9 + 2 x^8 + 3 x^7 + 3 x^6 + 3 x^5 + 2 x^4 + 3 x^3 + x^2 + 4 x + 1) / ((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2)$$

Sequence: A315416
Score: 4.72051
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 5 x^8 + 4 x^7 + 5 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 5 x^2 + 5 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315416
Score: 5.57540
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^{9} + 5 x^{8} + 4 x^{7} + 5 x^{6} + 6 x^{5} + 5 x^{4} + 4 x^{3} + 5 x^{2} + 5 x + 1}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A315417
Score: 4.75219
Type of gen. func.: ogf

$$\frac{x^{8} + 4 x^{7} + 2 x^{6} + 7 x^{5} + 3 x^{4} + 7 x^{3} + 2 x^{2} + 4 x + 1}{(x^{2} - x + 1) (x^{2} + 1) (x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A315417
Score: 4.88328
Type of gen. func.: ogf

$$\frac{x^{8} + 4 x^{7} + 2 x^{6} + 7 x^{5} + 3 x^{4} + 7 x^{3} + 2 x^{2} + 4 x + 1}{(x^{2} - x + 1) (x^{2} + 1) (x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A315418
Score: 6.49611
Type of gen. func.: ogf

$$\frac{x^{6} + 5 x^{5} + 5 x^{4} + 4 x^{3} + 5 x^{2} + 5 x + 1}{(x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A315418
Score: 7.61372
Type of gen. func.: ogf

$$x^{6} + 5 x^{5} + 5 x^{4} + 4 x^{3} + 5 x^{2} + 5 x + 1$$

$$\overline{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315419
Score: 4.84346
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 2 x^8 + 7 x^7 + 4 x^6 + 11 x^5 + 4 x^4 + 7 x^3 + 2 x^2 + 4 x + 1}{(x - 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2}$$

Sequence: A315420
Score: 3.40664
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 5 x^{10} + 4 x^9 + 5 x^8 + 6 x^7 + 6 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 5 x^2 + 5 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315420
Score: 4.87663
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 5 x^{10} + 4 x^9 + 5 x^8 + 6 x^7 + 6 x^6 + 6 x^5 + 5 x^4 + 4 x^3 + 5 x^2 + 5 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315421
Score: 3.49014
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + x^{10} + 3 x^9 + 2 x^8 + 4 x^7 + 2 x^6 + 4 x^5 + 2 x^4 + 3 x^3 + x^2 + 4 x + 1) / ((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2)$$

/

Sequence: A315423
Score: 5.16844
Type of gen. func.: ogf

$$\frac{(x^6+3x^5-2x^4+5x^3-2x^2+3x+1)(x+1)^2}{(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A315423
Score: 6.49611
Type of gen. func.: ogf

$$\frac{(x^6+3x^5-2x^4+5x^3-2x^2+3x+1)(x+1)^2}{(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A315424
Score: 4.16367
Type of gen. func.: ogf

$$-\frac{x^{11}-x^{10}+x^9-x^8-x^7-6x^6-4x^5-6x^4-4x^3-5x^2-5x-1}{(x+1)(x^2+x+1)(x^2-x+1)(x-1)^2}$$

Sequence: A315424
Score: 5.27399
Type of gen. func.: ogf

$$-\frac{x^{11}-x^{10}+x^9-x^8-x^7-6x^6-4x^5-6x^4-4x^3-5x^2-5x-1}{(x+1)(x^2+x+1)(x^2-x+1)(x-1)^2}$$

Sequence: A315425
Score: 3.47096
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + x^{10} + 3 x^9 + 3 x^8 + 2 x^7 + 3 x^6 + 2 x^5 + 3 x^4 + 3 x^3 + x^2 + 4 x + 1) \Big/ ((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2)$$

Sequence: A315426
Score: 3.40664
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 5 x^{10} + 4 x^9 + 6 x^8 + 5 x^7 + 6 x^6 + 5 x^5 + 6 x^4 + 4 x^3 + 5 x^2 + 5 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315426
Score: 4.87663
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 5 x^{10} + 4 x^9 + 6 x^8 + 5 x^7 + 6 x^6 + 5 x^5 + 6 x^4 + 4 x^3 + 5 x^2 + 5 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315427
Score: 6.08537
Type of gen. func.: ogf

$$\frac{(x^6 + 2 x^5 - 5 x^4 + 8 x^3 - 5 x^2 + 2 x + 1) (x + 1)^2}{(x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315427
Score: 6.532
Type of gen. func.: ogf

$$(x^6 + 2 x^5 - 5 x^4 + 8 x^3 - 5 x^2 + 2 x + 1) (x + 1)^2$$

```
              ---------------------------------------------------
                              6    3             2
                            (x  + x  + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A315428
Score: 3.72865
Type of gen. func.: ogf


    14    13    12      10      9      8      7       6       5       4      3
- (x   - x   + x   - 2 x   - 5 x  - 5 x  - 7 x  - 10 x  - 11 x  - 11 x  - 5 x

          2              /    2                 2        2   2         2
     - 5 x  - 5 x - 1)  /  ((x  + x + 1) (x - 1)  (x + 1)  (x  - x + 1) )
                       /



------------------------------------------------------------------------------

Sequence:  A315429
Score: 3.7679
Type of gen. func.: ogf


    14    13    12    11    10      9      8      7      6      5      4      3
- (x   - x   + x   - x   - x   - 6 x  - 3 x  - 7 x  - 4 x  - 8 x  - 6 x  - 4 x

          2              /    2            6    3             2
     - 5 x  - 5 x - 1)  /  ((x  + x + 1) (x  + x  + 1) (x - 1) )
                       /



------------------------------------------------------------------------------

Sequence:  A315429
Score: 4.39202
Type of gen. func.: ogf


    14    13    12    11    10      9      8      7      6      5      4      3
- (x   - x   + x   - x   - x   - 6 x  - 3 x  - 7 x  - 4 x  - 8 x  - 6 x  - 4 x

          2              /    2            6    3             2
     - 5 x  - 5 x - 1)  /  ((x  + x + 1) (x  + x  + 1) (x - 1) )
                       /



------------------------------------------------------------------------------

Sequence:  A315430
Score: 3.47311
Type of gen. func.: ogf


  14      13       12       11       10       9       8       7       6       5
(x   + 6 x   + 11 x   + 15 x   + 22 x   + 26 x  + 32 x  + 36 x  + 32 x  + 26 x

           4       3       2              /         2
     + 22 x  + 15 x  + 11 x  + 6 x + 1)  /  ((x - 1)
                                        /

      6    5    4    3    2         2
    (x  + x  + x  + x  + x  + x + 1) )
```

Sequence: A315430
Score: 4.18816
Type of gen. func.: ogf

$$\left(x^{14} + 6 x^{13} + 11 x^{12} + 15 x^{11} + 22 x^{10} + 26 x^{9} + 32 x^{8} + 36 x^{7} + 32 x^{6} + 26 x^{5} + 22 x^{4} + 15 x^{3} + 11 x^{2} + 6 x + 1\right) / \left((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)\right)$$

Sequence: A315432
Score: 3.40664
Type of gen. func.: ogf

$$(x^{2} - x + 1) (x^{8} + 5 x^{7} + 6 x^{6} + 8 x^{5} + 8 x^{4} + 8 x^{3} + 6 x^{2} + 5 x + 1) (x + 1)^{2} / \left((x^{4} + x^{3} + x^{2} + x + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}\right)$$

Sequence: A315432
Score: 4.50625
Type of gen. func.: ogf

$$(x^{2} - x + 1) (x^{8} + 5 x^{7} + 6 x^{6} + 8 x^{5} + 8 x^{4} + 8 x^{3} + 6 x^{2} + 5 x + 1) (x + 1)^{2} / \left((x^{4} + x^{3} + x^{2} + x + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}\right)$$

Sequence: A315435
Score: 3.93352
Type of gen. func.: ogf

$$\left(x^{14} + 4 x^{13} + x^{12} + 3 x^{11} + 5 x^{10} + 7 x^{8} + 3 x^{7} + 7 x^{6} + 5 x^{4} + 3 x^{3} + x^{2} + 4 x + 1\right) / \left((x^{4} + 1) (x^{4} - x^{2} + 1) (x - 1)^{2} (x^{2} + 1)^{2}\right)$$

Sequence: A315441
Score: 4.02191
Type of gen. func.: ogf

$$\frac{x^{14}+6x^{13}+11x^{12}+16x^{11}+19x^{10}+28x^{9}+30x^{8}+30x^{7}+30x^{6}+28x^{5}+19x^{4}+16x^{3}+11x^{2}+6x+1}{(x^{2}+x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2}}$$

Sequence: A315444
Score: 3.35049
Type of gen. func.: ogf

$$\frac{x^{12}+5x^{11}+5x^{10}+5x^{9}+4x^{8}+4x^{7}+4x^{6}+4x^{5}+4x^{4}+5x^{3}+5x^{2}+5x+1}{(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A315444
Score: 4.79625
Type of gen. func.: ogf

$$\frac{x^{12}+5x^{11}+5x^{10}+5x^{9}+4x^{8}+4x^{7}+4x^{6}+4x^{5}+4x^{4}+5x^{3}+5x^{2}+5x+1}{(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A315445
Score: 4.21655
Type of gen. func.: ogf

$$\frac{x^{10}+4x^{9}+x^{8}+4x^{7}+4x^{5}+4x^{3}+x^{2}+4x+1}{(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)(x-1)^{2}}$$

Sequence: A315445
Score: 4.34669
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + x^8 + 4 x^7 + 4 x^5 + 4 x^3 + x^2 + 4 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A315446
Score: 4.69443
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 5 x^8 + 5 x^7 + 4 x^6 + 4 x^5 + 4 x^4 + 5 x^3 + 5 x^2 + 5 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315446
Score: 5.54460
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 5 x^8 + 5 x^7 + 4 x^6 + 4 x^5 + 4 x^4 + 5 x^3 + 5 x^2 + 5 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315447
Score: 10.8935
Type of gen. func.: ogf

$$\frac{x^6 + 4 x^5 + 4 x + 1}{(x^4 + 1) (x - 1)^2}$$

Sequence: A315447
Score: 8.33031
Type of gen. func.: ogf

$$\frac{x^6 + 4 x^5 + 4 x + 1}{(x^4 + 1) (x - 1)^2}$$

Sequence: A315449
Score: 4.00043
Type of gen. func.: ogf

$$(x^{12} + 6 x^{11} + 9 x^{10} + 4 x^{9} + x^{8} + 10 x^{7} + 22 x^{6} + 10 x^{5} + x^{4} + 4 x^{3} + 9 x^{2} + 6 x + 1) \Big/ ((x - 1)^{2} (x + 1)^{2} (x^{4} + 1)^{2})$$

Sequence: A315449
Score: 4.56823
Type of gen. func.: ogf

$$(x^{12} + 6 x^{11} + 9 x^{10} + 4 x^{9} + x^{8} + 10 x^{7} + 22 x^{6} + 10 x^{5} + x^{4} + 4 x^{3} + 9 x^{2} + 6 x + 1) \Big/ ((x - 1)^{2} (x + 1)^{2} (x^{4} + 1)^{2})$$

Sequence: A315450
Score: 3.36921
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 5 x^{10} + 5 x^{9} + 4 x^{8} + 5 x^{7} + 4 x^{6} + 5 x^{5} + 4 x^{4} + 5 x^{3} + 5 x^{2} + 5 x + 1) \Big/ ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A315450
Score: 4.82304
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 5 x^{10} + 5 x^{9} + 4 x^{8} + 5 x^{7} + 4 x^{6} + 5 x^{5} + 4 x^{4} + 5 x^{3} + 5 x^{2} + 5 x + 1) \Big/ ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A315451
Score: 3.76636
Type of gen. func.: ogf

$$(x^2 + x + 1) (x^{12} + 5 x^{11} + 4 x^{10} + x^9 + 5 x^8 + 9 x^7 + 5 x^6 + 9 x^5 + 5 x^4 + x^3 + 4 x^2 + 5 x + 1) \Big/ ((x^2 + 1) (x - 1)^2 (x + 1)^2 (x^4 + 1)^2)$$

Sequence: A315452
Score: 5.02182
Type of gen. func.: ogf

$$\frac{x^8 + 5 x^7 + 5 x^6 + 5 x^5 + 4 x^4 + 5 x^3 + 5 x^2 + 5 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315452
Score: 6.49611
Type of gen. func.: ogf

$$\frac{x^8 + 5 x^7 + 5 x^6 + 5 x^5 + 4 x^4 + 5 x^3 + 5 x^2 + 5 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315453
Score: 3.76636
Type of gen. func.: ogf

$$\frac{x^{12} + 4 x^{11} + x^{10} + 4 x^9 + 5 x^7 + x^6 + 5 x^5 + 4 x^3 + x^2 + 4 x + 1}{(x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315454
Score: 3.47311
Type of gen. func.: ogf

2 10 9 8 7 6 4 3 2

```
(x  - x + 1) (x   + 6 x  + 10 x  + 9 x  + 3 x  + 3 x  + 9 x  + 10 x  + 6 x + 1)

       /    10    9    8    7    6    5    4    3    2                2
      /  ((x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x - 1) )
     /
```

Sequence: A315454
Score: 4.87663
Type of gen. func.: ogf

$$(x^2 - x + 1)(x^{10} + 6x^9 + 10x^8 + 9x^7 + 3x^6 + 3x^4 + 9x^3 + 10x^2 + 6x + 1) \Big/ \left((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2\right)$$

Sequence: A315455
Score: 5.83597
Type of gen. func.: ogf

$$\frac{x^{10} + 4x^9 + 6x^5 + 4x + 1}{(x^2 + x + 1)(x^2 - x + 1)(x^4 - x^2 + 1)(x - 1)^2}$$

Sequence: A315455
Score: 5.98309
Type of gen. func.: ogf

$$\frac{x^{10} + 4x^9 + 6x^5 + 4x + 1}{(x^2 + x + 1)(x^2 - x + 1)(x^4 - x^2 + 1)(x - 1)^2}$$

Sequence: A315459
Score: 4.69443
Type of gen. func.: ogf

$$\frac{x^{10} + 5x^9 + 5x^8 + 4x^7 - x^5 + 4x^3 + 5x^2 + 5x + 1}{(x^2 + x + 1)(x^2 + 1)(x^4 - x^2 + 1)(x - 1)^2}$$

Sequence: A315459
Score: 4.92422
Type of gen. func.: ogf

$$\frac{x^{10}+5x^9+5x^8+4x^7-x^5+4x^3+5x^2+5x+1}{(x^2+x+1)(x^2+1)(x^4-x^2+1)(x-1)^2}$$

Sequence: A315460
Score: 3.36921
Type of gen. func.: ogf

$$(x^{12}+5x^{11}+5x^{10}+5x^9+5x^8+4x^7+4x^6+4x^5+5x^4+5x^3+5x^2+5x+1) \Big/ ((x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2)$$

Sequence: A315460
Score: 4.82304
Type of gen. func.: ogf

$$(x^{12}+5x^{11}+5x^{10}+5x^9+5x^8+4x^7+4x^6+4x^5+5x^4+5x^3+5x^2+5x+1) \Big/ ((x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2)$$

Sequence: A315461
Score: 6.05193
Type of gen. func.: ogf

$$\frac{x^6+3x^5-3x^4+3x^3-3x^2+3x+1}{(x^4-x^3+x^2-x+1)(x-1)^2}$$

Sequence: A315461
Score: 6.49611
Type of gen. func.: ogf

$$\frac{x^6 + 3 x^5 - 3 x^4 + 3 x^3 - 3 x^2 + 3 x + 1}{(x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A315462
Score: 5.10264
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + x^6 + 3 x^5 + x^4 + 4 x + 1}{(x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315462
Score: 5.21603
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + x^6 + 3 x^5 + x^4 + 4 x + 1}{(x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315463
Score: 4.72051
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 5 x^8 + 5 x^7 + 5 x^6 + 4 x^5 + 5 x^4 + 5 x^3 + 5 x^2 + 5 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315463
Score: 5.57540
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 5 x^8 + 5 x^7 + 5 x^6 + 4 x^5 + 5 x^4 + 5 x^3 + 5 x^2 + 5 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315464
Score: 3.48806
Type of gen. func.: ogf

$$\frac{(x^{10} + 3 x^{9} - 2 x^{8} + 6 x^{7} - 5 x^{6} + 8 x^{5} - 5 x^{4} + 6 x^{3} - 2 x^{2} + 3 x + 1) (x + 1)^{2}}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A315464
Score: 4.84984
Type of gen. func.: ogf

$$\frac{(x^{10} + 3 x^{9} - 2 x^{8} + 6 x^{7} - 5 x^{6} + 8 x^{5} - 5 x^{4} + 6 x^{3} - 2 x^{2} + 3 x + 1) (x + 1)^{2}}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A315465
Score: 7.91196
Type of gen. func.: ogf

$$\frac{x^{8} + 4 x^{7} + 4 x + 1}{(x^{2} + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A315465
Score: 8.28428
Type of gen. func.: ogf

$$\frac{x^{8} + 4 x^{7} + 4 x + 1}{(x^{2} + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A315466
Score: 3.38792

Type of gen. func.: ogf

$$\left(x^{12}+5x^{11}+5x^{10}+5x^{9}+5x^{8}+5x^{7}+4x^{6}+5x^{5}+5x^{4}+5x^{3}+5x^{2}+5x+1\right) \Big/ \left(\left(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1\right)(x-1)^{2}\right)$$

Sequence: A315466
Score: 4.84984
Type of gen. func.: ogf

$$\left(x^{12}+5x^{11}+5x^{10}+5x^{9}+5x^{8}+5x^{7}+4x^{6}+5x^{5}+5x^{4}+5x^{3}+5x^{2}+5x+1\right) \Big/ \left(\left(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1\right)(x-1)^{2}\right)$$

Sequence: A315467
Score: 3.47096
Type of gen. func.: ogf

$$\left(x^{12}+4x^{11}+x^{10}+4x^{9}+x^{8}+4x^{7}+x^{6}+4x^{5}+x^{4}+4x^{3}+x^{2}+4x+1\right) \Big/ \left(\left(x^{2}+1\right)\left(x^{2}+x+1\right)\left(x^{2}-x+1\right)\left(x^{4}-x^{2}+1\right)(x-1)^{2}\right)$$

Sequence: A315468
Score: 3.97796
Type of gen. func.: ogf

$$\frac{x^{10}+4x^{9}+x^{8}+4x^{7}+x^{6}+4x^{5}+x^{4}+4x^{3}+x^{2}+4x+1}{\left(x^{4}+x^{3}+x^{2}+x+1\right)\left(x^{4}-x^{3}+x^{2}-x+1\right)(x-1)}$$

Sequence: A315469
Score: 4.77844
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + x^6 + 4 x^5 + x^4 + 4 x^3 + x^2 + 4 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A315469
Score: 5.8842
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + x^6 + 4 x^5 + x^4 + 4 x^3 + x^2 + 4 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A315470
Score: 3.40664
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 5 x^{10} + 5 x^9 + 5 x^8 + 5 x^7 + 6 x^6 + 5 x^5 + 5 x^4 + 5 x^3 + 5 x^2 + 5 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315470
Score: 4.87663
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 5 x^{10} + 5 x^9 + 5 x^8 + 5 x^7 + 6 x^6 + 5 x^5 + 5 x^4 + 5 x^3 + 5 x^2 + 5 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315471
Score: 6.08537
Type of gen. func.: ogf

$$x^6 + 4 x^5 + x^4 + 4 x^3 + x^2 + 4 x + 1$$

$$(x^2 + x + 1)\,(x^2 - x + 1)\,(x - 1)^2$$

Sequence: A315471
Score: 6.30078
Type of gen. func.: ogf

$$\frac{x^6 + 4x^5 + x^4 + 4x^3 + x^2 + 4x + 1}{(x^2 + x + 1)\,(x^2 - x + 1)\,(x - 1)^2}$$

Sequence: A315474
Score: 4.72051
Type of gen. func.: ogf

$$\frac{x^{10} + 5x^9 + 5x^8 + 4x^7 + x^5 + 4x^3 + 5x^2 + 5x + 1}{(x^2 + x + 1)\,(x^2 + 1)\,(x^4 - x^2 + 1)\,(x - 1)^2}$$

Sequence: A315474
Score: 4.95158
Type of gen. func.: ogf

$$\frac{x^{10} + 5x^9 + 5x^8 + 4x^7 + x^5 + 4x^3 + 5x^2 + 5x + 1}{(x^2 + x + 1)\,(x^2 + 1)\,(x^4 - x^2 + 1)\,(x - 1)^2}$$

Sequence: A315475
Score: 5.35329
Type of gen. func.: ogf

$$\frac{x^8 + 4x^7 + x^5 + 4x^4 + x^3 + 4x + 1}{(x^6 + x^3 + 1)\,(x - 1)^2}$$

Sequence: A315475
Score: 7.34008
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + x^5 + 4 x^4 + x^3 + 4 x + 1}{(x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315476
Score: 3.63259
Type of gen. func.: ogf

$$\frac{x^{12} + 4 x^{11} + x^{10} + 4 x^9 + x^8 + 5 x^7 + 5 x^5 + x^4 + 4 x^3 + x^2 + 4 x + 1}{(x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315477
Score: 6.532
Type of gen. func.: ogf

$$\frac{x^6 + 5 x^5 + 5 x^4 + 5 x^3 + 5 x^2 + 5 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315477
Score: 7.65578
Type of gen. func.: ogf

$$\frac{x^6 + 5 x^5 + 5 x^4 + 5 x^3 + 5 x^2 + 5 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315478
Score: 3.40664
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 5 x^{10} + 5 x^9 + 5 x^8 + 6 x^7 + 6 x^6 + 6 x^5 + 5 x^4 + 5 x^3 + 5 x^2 + 5 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315478
Score: 4.87663
Type of gen. func.: ogf

$$\frac{x^{12} + 5 x^{11} + 5 x^{10} + 5 x^{9} + 5 x^{8} + 6 x^{7} + 6 x^{6} + 6 x^{5} + 5 x^{4} + 5 x^{3} + 5 x^{2} + 5 x + 1}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A315479
Score: 4.47791
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^{9} - 3 x^{8} + 4 x^{7} + x^{5} + 4 x^{3} - 3 x^{2} + 3 x + 1}{(x^{2} + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A315479
Score: 4.74659
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^{9} - 3 x^{8} + 4 x^{7} + x^{5} + 4 x^{3} - 3 x^{2} + 3 x + 1}{(x^{2} + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A315481
Score: 3.97796
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + x^{8} + 4 x^{7} + 2 x^{6} + 2 x^{5} + 2 x^{4} + 4 x^{3} + x^{2} + 4 x + 1}{(x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A315482
Score: 4.26552

Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 5 x^8 + 4 x^7 + x^6 - x^5 + x^4 + 4 x^3 + 5 x^2 + 5 x + 1}{(x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315482
Score: 4.45331
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 5 x^8 + 4 x^7 + x^6 - x^5 + x^4 + 4 x^3 + 5 x^2 + 5 x + 1}{(x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315484
Score: 3.86973
Type of gen. func.: ogf

$$(x^{12} + 6 x^{11} + 11 x^{10} + 16 x^9 + 22 x^8 + 26 x^7 + 34 x^6 + 26 x^5 + 22 x^4 + 16 x^3 + 11 x^2 + 6 x + 1) / ((x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2)$$

Sequence: A315484
Score: 4.77267
Type of gen. func.: ogf

$$(x^{12} + 6 x^{11} + 11 x^{10} + 16 x^9 + 22 x^8 + 26 x^7 + 34 x^6 + 26 x^5 + 22 x^4 + 16 x^3 + 11 x^2 + 6 x + 1) / ((x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2)$$

Sequence: A315485
Score: 3.47096
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + x^{10} + 4 x^9 + 2 x^8 + 3 x^7 + x^6 + 3 x^5 + 2 x^4 + 4 x^3 + x^2 + 4 x + 1) / ((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2)$$

Sequence: A315486
Score: 3.72769
Type of gen. func.: ogf

```
         2        10      9      8      6      5      4      2
       (x  + 1) (x   + 5 x  + 4 x  + 2 x  + 5 x  + 2 x  + 4 x  + 5 x + 1)
       ------------------------------------------------------------------
           10    9    8    7    6    5    4    3    2                 2
         (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x - 1)
```

Sequence: A315486
Score: 4.87663
Type of gen. func.: ogf

```
         2        10      9      8      6      5      4      2
       (x  + 1) (x   + 5 x  + 4 x  + 2 x  + 5 x  + 2 x  + 4 x  + 5 x + 1)
       ------------------------------------------------------------------
           10    9    8    7    6    5    4    3    2                 2
         (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x - 1)
```

Sequence: A315487
Score: 3.13651
Type of gen. func.: ogf

```
  2
(x  + 1)

      12      11      10      8      7      6      5      4      2
    (x   + 5 x   + 4 x   + 2 x  + 5 x  + 2 x  + 5 x  + 2 x  + 4 x  + 5 x + 1)

       /    12    11    10    9    8    7    6    5    4    3    2
      /  ((x   + x   + x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1)
     /

           2
    (x - 1) )
```

Sequence: A315487
Score: 4.31508
Type of gen. func.: ogf

```
  2
(x  + 1)

      12      11      10      8      7      6      5      4      2
    (x   + 5 x   + 4 x   + 2 x  + 5 x  + 2 x  + 5 x  + 2 x  + 4 x  + 5 x + 1)

       /    12    11    10    9    8    7    6    5    4    3    2
      /  ((x   + x   + x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1)
     /
```

$$(x - 1)^2)$$

Sequence: A315488
Score: 4.50625
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 5 x^8 + 4 x^7 + x^6 + x^4 + 4 x^3 + 5 x^2 + 5 x + 1}{(x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315488
Score: 4.71515
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 5 x^8 + 4 x^7 + x^6 + x^4 + 4 x^3 + 5 x^2 + 5 x + 1}{(x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315489
Score: 3.99993
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + x^8 + 4 x^7 + 2 x^6 + 3 x^5 + 2 x^4 + 4 x^3 + x^2 + 4 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A315490
Score: 5.04956
Type of gen. func.: ogf

$$\frac{x^8 + 5 x^7 + 5 x^6 + 5 x^5 + 6 x^4 + 5 x^3 + 5 x^2 + 5 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315490
Score: 6.53200
Type of gen. func.: ogf

$$\frac{x^{8} + 5 x^{7} + 5 x^{6} + 5 x^{5} + 6 x^{4} + 5 x^{3} + 5 x^{2} + 5 x + 1}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A315491
Score: 3.50733
Type of gen. func.: ogf

$$(x^{10} + 3 x^{9} - 2 x^{8} + 6 x^{7} - 4 x^{6} + 7 x^{5} - 4 x^{4} + 6 x^{3} - 2 x^{2} + 3 x + 1) (x + 1)^{2} / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A315491
Score: 4.87663
Type of gen. func.: ogf

$$(x^{10} + 3 x^{9} - 2 x^{8} + 6 x^{7} - 4 x^{6} + 7 x^{5} - 4 x^{4} + 6 x^{3} - 2 x^{2} + 3 x + 1) (x + 1)^{2} / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A315492
Score: 3.72769
Type of gen. func.: ogf

$$\frac{(x^{2} + 1) (x^{10} + 5 x^{9} + 4 x^{8} + 2 x^{6} + 6 x^{5} + 2 x^{4} + 4 x^{2} + 5 x + 1)}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A315492
Score: 4.87663
Type of gen. func.: ogf

2 10 9 8 6 5 4 2

$$\frac{(x + 1) (x + 5 x + 4 x + 2 x + 6 x + 2 x + 4 x + 5 x + 1)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315495
Score: 4.77267
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 5 x^8 + 5 x^7 + 6 x^6 + 6 x^5 + 6 x^4 + 5 x^3 + 5 x^2 + 5 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315495
Score: 5.63701
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 5 x^8 + 5 x^7 + 6 x^6 + 6 x^5 + 6 x^4 + 5 x^3 + 5 x^2 + 5 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315496
Score: 4.02191
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + x^8 + 4 x^7 + 2 x^6 + 4 x^5 + 2 x^4 + 4 x^3 + x^2 + 4 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A315497
Score: 3.61566
Type of gen. func.: ogf

$$- (2 x^{15} - x^{12} - 6 x^{11} - 13 x^{10} - 18 x^9 - 24 x^8 - 28 x^7 - 32 x^6 - 28 x^5 - 22 x^4 - 16 x^3 - 11 x^2 - 6 x - 1) / ((x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2)$$

Sequence: A315497
Score: 4.50252
Type of gen. func.: ogf

$$-(2 x^{15} - x^{12} - 6 x^{11} - 13 x^{10} - 18 x^{9} - 24 x^{8} - 28 x^{7} - 32 x^{6} - 28 x^{5} - 22 x^{4} - 16 x^{3} - 11 x^{2} - 6 x - 1) / ((x - 1)^{2} (x + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2})$$

Sequence: A315498
Score: 3.42536
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 5 x^{10} + 5 x^{9} + 6 x^{8} + 6 x^{7} + 6 x^{6} + 6 x^{5} + 6 x^{4} + 5 x^{3} + 5 x^{2} + 5 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A315498
Score: 4.90342
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 5 x^{10} + 5 x^{9} + 6 x^{8} + 6 x^{7} + 6 x^{6} + 6 x^{5} + 6 x^{4} + 5 x^{3} + 5 x^{2} + 5 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A315499
Score: 3.50931
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + x^{10} + 4 x^{9} + 2 x^{8} + 4 x^{7} + 2 x^{6} + 4 x^{5} + 2 x^{4} + 4 x^{3} + x^{2} + 4 x + 1) / ((x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2})$$

Sequence: A315501
Score: 4.28683
Type of gen. func.: ogf

$$-\left(x^{11}-x^{10}+x^{9}-2x^{8}-4x^{7}-3x^{6}-8x^{5}-5x^{4}-8x^{3}-2x^{2}-4x-1\right)(x+1)^{2} \Big/ \left((x-1)^{2}\left(x^{4}+x^{3}+x^{2}+x+1\right)^{2}\right)$$

Sequence: A315501
Score: 4.83716
Type of gen. func.: ogf

$$-\left(x^{11}-x^{10}+x^{9}-2x^{8}-4x^{7}-3x^{6}-8x^{5}-5x^{4}-8x^{3}-2x^{2}-4x-1\right)(x+1)^{2} \Big/ \left((x-1)^{2}\left(x^{4}+x^{3}+x^{2}+x+1\right)^{2}\right)$$

Sequence: A315503
Score: 3.70827
Type of gen. func.: ogf

$$\frac{x^{12}+3x^{11}-2x^{10}+7x^{9}+5x^{7}+5x^{5}+7x^{3}-2x^{2}+3x+1}{\left(x^{2}-x+1\right)\left(x^{4}+x^{3}+x^{2}+x+1\right)\left(x^{4}-x^{3}+x^{2}-x+1\right)(x-1)^{2}}$$

Sequence: A315505
Score: 5.83597
Type of gen. func.: ogf

$$\frac{x^{8}+6x^{7}+11x^{6}+16x^{5}+22x^{4}+16x^{3}+11x^{2}+6x+1}{(x-1)^{2}(x+1)^{2}\left(x^{2}+1\right)^{2}}$$

Sequence: A315505
Score: 6.47262
Type of gen. func.: ogf

$$\frac{x^8 + 6 x^7 + 11 x^6 + 16 x^5 + 22 x^4 + 16 x^3 + 11 x^2 + 6 x + 1}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A315506
Score: 3.40905
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 5 x^{10} + 6 x^9 + 3 x^8 + 5 x^7 + 10 x^6 + 5 x^5 + 3 x^4 + 6 x^3 + 5 x^2 + 5 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315506
Score: 4.87007
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 5 x^{10} + 6 x^9 + 3 x^8 + 5 x^7 + 10 x^6 + 5 x^5 + 3 x^4 + 6 x^3 + 5 x^2 + 5 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315507
Score: 3.38792
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 5 x^{10} + 6 x^9 + 4 x^8 + 5 x^7 + 4 x^6 + 5 x^5 + 4 x^4 + 6 x^3 + 5 x^2 + 5 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315507
Score: 4.84984
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 5 x^{10} + 6 x^{9} + 4 x^{8} + 5 x^{7} + 4 x^{6} + 5 x^{5} + 4 x^{4} + 6 x^{3} + 5 x^{2} + 5 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A315508
Score: 3.97796
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + x^{8} + 5 x^{7} - x^{6} + 6 x^{5} - x^{4} + 5 x^{3} + x^{2} + 4 x + 1}{(x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A315509
Score: 3.38792
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 5 x^{10} + 6 x^{9} + 4 x^{8} + 6 x^{7} + 4 x^{6} + 6 x^{5} + 4 x^{4} + 6 x^{3} + 5 x^{2} + 5 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A315509
Score: 4.84984
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 5 x^{10} + 6 x^{9} + 4 x^{8} + 6 x^{7} + 4 x^{6} + 6 x^{5} + 4 x^{4} + 6 x^{3} + 5 x^{2} + 5 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A315510
Score: 5.35329
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 2 x^5 + 2 x^4 + 2 x^3 + 4 x + 1}{(x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315510
Score: 7.34008
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 2 x^5 + 2 x^4 + 2 x^3 + 4 x + 1}{(x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315511
Score: 5.04956
Type of gen. func.: ogf

$$\frac{x^8 + 5 x^7 + 5 x^6 + 6 x^5 + 4 x^4 + 6 x^3 + 5 x^2 + 5 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315511
Score: 6.53200
Type of gen. func.: ogf

$$\frac{x^8 + 5 x^7 + 5 x^6 + 6 x^5 + 4 x^4 + 6 x^3 + 5 x^2 + 5 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315512
Score: 4.06850
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 - 3 x^8 + 5 x^7 - 3 x^6 + 5 x^5 - 3 x^4 + 5 x^3 - 3 x^2 + 3 x + 1}{(x^2 + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315512
Score: 4.28909
Type of gen. func.: ogf

$$\frac{x^{10}+3x^{9}-3x^{8}+5x^{7}-3x^{6}+5x^{5}-3x^{4}+5x^{3}-3x^{2}+3x+1}{(x^{2}+1)(x^{2}-x+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A315514
Score: 4.34139
Type of gen. func.: ogf

$$(x^{12}+3x^{11}-2x^{10}+7x^{9}-7x^{8}+10x^{7}-6x^{6}+10x^{5}-7x^{4}+7x^{3}-2x^{2}+3x+1)(x+1)^{2} \Big/ \left((x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}\right)$$

Sequence: A315515
Score: 4.72051
Type of gen. func.: ogf

$$\frac{x^{10}+5x^{9}+5x^{8}+5x^{7}-x^{5}+5x^{3}+5x^{2}+5x+1}{(x^{2}+x+1)(x^{2}+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A315515
Score: 4.95158
Type of gen. func.: ogf

$$\frac{x^{10}+5x^{9}+5x^{8}+5x^{7}-x^{5}+5x^{3}+5x^{2}+5x+1}{(x^{2}+x+1)(x^{2}+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A315516
Score: 3.38792
Type of gen. func.: ogf

12 11 10 9 8 7 6 5 4 3 2

$$(x + 5 x + 5 x + 6 x + 5 x + 4 x + 6 x + 4 x + 5 x + 6 x + 5 x$$

$$+ 5 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315516
Score: 4.84984
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 5 x^{10} + 6 x^9 + 5 x^8 + 4 x^7 + 6 x^6 + 4 x^5 + 5 x^4 + 6 x^3 + 5 x^2 + 5 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315517
Score: 6.08537
Type of gen. func.: ogf

$$\frac{x^8 + 5 x^7 + 4 x^6 - 4 x^4 + 4 x^2 + 5 x + 1}{(x^2 + x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315518
Score: 4.26340
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + x^8 + 5 x^7 + 5 x^5 + 5 x^3 + x^2 + 4 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A315518
Score: 4.39499
Type of gen. func.: ogf

$$x^{10} + 4 x^9 + x^8 + 5 x^7 + 5 x^5 + 5 x^3 + x^2 + 4 x + 1$$

4 3 2 4 3 2 2

$$(x + x + x + x + 1) (x - x + x - x + 1) (x - 1)$$

Sequence: A315519
Score: 3.80742
Type of gen. func.: ogf

$$\frac{(x^{10} + 4 x^{9} + 2 x^{7} + 3 x^{6} + 3 x^{4} + 2 x^{3} + 4 x + 1) (x^{2} + x + 1)}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A315519
Score: 4.87663
Type of gen. func.: ogf

$$\frac{(x^{10} + 4 x^{9} + 2 x^{7} + 3 x^{6} + 3 x^{4} + 2 x^{3} + 4 x + 1) (x^{2} + x + 1)}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A315520
Score: 7.65578
Type of gen. func.: ogf

$$\frac{x^{6} + 4 x^{5} + x^{3} + 4 x + 1}{(x^{4} + 1) (x - 1)^{2}}$$

Sequence: A315520
Score: 9.75326
Type of gen. func.: ogf

$$\frac{x^{6} + 4 x^{5} + x^{3} + 4 x + 1}{(x^{4} + 1) (x - 1)^{2}}$$

Sequence: A315521
Score: 3.40664
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 5 x^{10} + 6 x^9 + 5 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 5 x^4 + 6 x^3 + 5 x^2 + 5 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315521
Score: 4.87663
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 5 x^{10} + 6 x^9 + 5 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 5 x^4 + 6 x^3 + 5 x^2 + 5 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315522
Score: 6.30078
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + x^5 - x^4 + x^3 + 4 x + 1}{(x^2 + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315522
Score: 6.53200
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + x^5 - x^4 + x^3 + 4 x + 1}{(x^2 + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315523
Score: 4.77267
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 5 x^8 + 6 x^7 + 5 x^6 + 6 x^5 + 5 x^4 + 6 x^3 + 5 x^2 + 5 x + 1}{}$$

$$(x^2 + x + 1)\,(x^6 + x^3 + 1)\,(x - 1)^2$$

Sequence: A315523
Score: 5.63701
Type of gen. func.: ogf

$$\frac{x^{10} + 5\,x^9 + 5\,x^8 + 6\,x^7 + 5\,x^6 + 6\,x^5 + 5\,x^4 + 6\,x^3 + 5\,x^2 + 5\,x + 1}{(x^2 + x + 1)\,(x^6 + x^3 + 1)\,(x - 1)^2}$$

Sequence: A315525
Score: 6.56789
Type of gen. func.: ogf

$$\frac{x^6 + 5\,x^5 + 5\,x^4 + 6\,x^3 + 5\,x^2 + 5\,x + 1}{(x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A315525
Score: 7.69785
Type of gen. func.: ogf

$$\frac{x^6 + 5\,x^5 + 5\,x^4 + 6\,x^3 + 5\,x^2 + 5\,x + 1}{(x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A315526
Score: 3.42536
Type of gen. func.: ogf

$$(x^{12} + 5\,x^{11} + 5\,x^{10} + 6\,x^9 + 5\,x^8 + 6\,x^7 + 6\,x^6 + 6\,x^5 + 5\,x^4 + 6\,x^3 + 5\,x^2 + 5\,x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2)$$

Sequence: A315526
Score: 4.90342
Type of gen. func.: ogf

$$\frac{x^{12} + 5 x^{11} + 5 x^{10} + 6 x^{9} + 5 x^{8} + 6 x^{7} + 6 x^{6} + 6 x^{5} + 5 x^{4} + 6 x^{3} + 5 x^{2} + 5 x + 1}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A315527
Score: 5.18768
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + x^{7} + 5 x^{5} + x^{3} + 4 x + 1}{(x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A315527
Score: 5.30296
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + x^{7} + 5 x^{5} + x^{3} + 4 x + 1}{(x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A315529
Score: 3.93352
Type of gen. func.: ogf

$$\frac{x^{14} + 4 x^{13} + x^{12} + 5 x^{11} + 7 x^{9} - 2 x^{8} + 13 x^{7} - 2 x^{6} + 7 x^{5} + 5 x^{3} + x^{2} + 4 x + 1}{(x^{4} + 1) (x^{4} - x^{2} + 1) (x - 1)^{2} (x^{2} + 1)}$$

Sequence: A315533
Score: 3.7679
Type of gen. func.: ogf

17   16   12   11   10   9   8   7   6   5   4   3

$$-\left(x - x + x - x - x - 6x - 4x - 7x - 4x - 8x - 5x - 6x - 5x^2 - 5x - 1\right) / \left((x^2 + x + 1)(x^6 + x^3 + 1)(x - 1)^2\right)$$

Sequence: A315533
Score: 4.39202
Type of gen. func.: ogf

$$-\left(x^{17} - x^{16} + x^{12} - x^{11} - x^{10} - 6x^9 - 4x^8 - 7x^7 - 4x^6 - 8x^5 - 5x^4 - 6x^3 - 5x^2 - 5x - 1\right) / \left((x^2 + x + 1)(x^6 + x^3 + 1)(x - 1)^2\right)$$

Sequence: A315534
Score: 4.28909
Type of gen. func.: ogf

$$\frac{x^{10} + 5x^9 + 5x^8 + 5x^7 + x^6 - x^5 + x^4 + 5x^3 + 5x^2 + 5x + 1}{(x^2 + x + 1)(x^2 + 1)(x^4 - x^2 + 1)(x - 1)^2}$$

Sequence: A315534
Score: 4.47791
Type of gen. func.: ogf

$$\frac{x^{10} + 5x^9 + 5x^8 + 5x^7 + x^6 - x^5 + x^4 + 5x^3 + 5x^2 + 5x + 1}{(x^2 + x + 1)(x^2 + 1)(x^4 - x^2 + 1)(x - 1)^2}$$

Sequence: A315535
Score: 4.77267
Type of gen. func.: ogf

$$\frac{x^{10} + 5x^9 + 5x^8 + 6x^7 + 6x^6 + 4x^5 + 6x^4 + 6x^3 + 5x^2 + 5x + 1}{(x^2 + x + 1)(x^6 + x^3 + 1)(x - 1)^2}$$

Sequence: A315535
Score: 5.63701
Type of gen. func.: ogf

$$\frac{x^{10}+5x^{9}+5x^{8}+6x^{7}+6x^{6}+4x^{5}+6x^{4}+6x^{3}+5x^{2}+5x+1}{(x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2}}$$

Sequence: A315536
Score: 4.02191
Type of gen. func.: ogf

$$\frac{x^{10}+4x^{9}+x^{8}+5x^{7}+x^{6}+4x^{5}+x^{4}+5x^{3}+x^{2}+4x+1}{(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)(x-1)^{2}}$$

Sequence: A315537
Score: 3.42536
Type of gen. func.: ogf

$$(x^{12}+5x^{11}+5x^{10}+6x^{9}+6x^{8}+5x^{7}+6x^{6}+5x^{5}+6x^{4}+6x^{3}+5x^{2}+5x+1) \Big/ ((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2})$$

Sequence: A315537
Score: 4.90342
Type of gen. func.: ogf

$$(x^{12}+5x^{11}+5x^{10}+6x^{9}+6x^{8}+5x^{7}+6x^{6}+5x^{5}+6x^{4}+6x^{3}+5x^{2}+5x+1) \Big/ ((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2})$$

Sequence: A315538
Score: 5.38271
Type of gen. func.: ogf

$-(49 f(x) + 40)$

$$(f(x) x^4 - f(x) x^3 - x^4 - 5 x^3 - f(x) x - 5 x^2 + f(x) - 5 x - 1)$$

Sequence: A315538
Score: 9.29740
Type of gen. func.: ogf

$$\frac{x^4 + 5 x^3 + 5 x^2 + 5 x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A315538
Score: 9.29741
Type of gen. func.: ogf

$$\frac{x^4 + 5 x^3 + 5 x^2 + 5 x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A315539
Score: 3.45846
Type of gen. func.: ogf

$$(x^2 + 1) (x^{10} + 5 x^9 + 4 x^8 + x^7 + 2 x^6 + 5 x^5 + 2 x^4 + x^3 + 4 x^2 + 5 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315539
Score: 4.90342
Type of gen. func.: ogf

$$(x^2 + 1) (x^{10} + 5 x^9 + 4 x^8 + x^7 + 2 x^6 + 5 x^5 + 2 x^4 + x^3 + 4 x^2 + 5 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315540
Score: 3.65255
Type of gen. func.: ogf

$$\frac{x^{12} + 4 x^{11} + x^{10} + 5 x^{9} + x^{8} + 5 x^{7} + 5 x^{5} + x^{4} + 5 x^{3} + x^{2} + 4 x + 1}{(x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A315541
Score: 5.07731
Type of gen. func.: ogf

$$\frac{x^{8} + 5 x^{7} + 5 x^{6} + 6 x^{5} + 6 x^{4} + 6 x^{3} + 5 x^{2} + 5 x + 1}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A315541
Score: 6.56789
Type of gen. func.: ogf

$$\frac{x^{8} + 5 x^{7} + 5 x^{6} + 6 x^{5} + 6 x^{4} + 6 x^{3} + 5 x^{2} + 5 x + 1}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A315542
Score: 4.52712
Type of gen. func.: ogf

$$-\frac{x^{12} - 2 x^{8} - 7 x^{7} - 10 x^{6} - 12 x^{5} - 12 x^{4} - 11 x^{3} - 10 x^{2} - 6 x - 1}{(x^{2} + x + 1) (x^{2} - x + 1) (x + 1)^{2} (x - 1)^{2}}$$

Sequence: A315542
Score: 5.66781
Type of gen. func.: ogf

$$-\frac{x^{12} - 2 x^{8} - 7 x^{7} - 10 x^{6} - 12 x^{5} - 12 x^{4} - 11 x^{3} - 10 x^{2} - 6 x - 1}{^{2} \qquad ^{2} \qquad ^{2} \qquad ^{2}}$$

$$(x + x + 1) (x - x + 1) (x + 1) (x - 1)$$

Sequence: A315543
Score: 4.80470
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + x^6 + 5 x^5 + x^4 + 5 x^3 + x^2 + 4 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A315543
Score: 5.91653
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + x^6 + 5 x^5 + x^4 + 5 x^3 + x^2 + 4 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A315546
Score: 4.77267
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 5 x^8 + 6 x^7 + 6 x^6 + 6 x^5 + 6 x^4 + 6 x^3 + 5 x^2 + 5 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315546
Score: 5.63701
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 5 x^8 + 6 x^7 + 6 x^6 + 6 x^5 + 6 x^4 + 6 x^3 + 5 x^2 + 5 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315547
Score: 4.02191
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + x^8 + 5 x^7 + x^6 + 5 x^5 + x^4 + 5 x^3 + x^2 + 4 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A315548
Score: 3.42536
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 5 x^{10} + 6 x^9 + 6 x^8 + 6 x^7 + 6 x^6 + 6 x^5 + 6 x^4 + 6 x^3 + 5 x^2 + 5 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315548
Score: 4.90342
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 5 x^{10} + 6 x^9 + 6 x^8 + 6 x^7 + 6 x^6 + 6 x^5 + 6 x^4 + 6 x^3 + 5 x^2 + 5 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315549
Score: 4.31265
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 5 x^8 + 5 x^7 + x^6 + x^5 + x^4 + 5 x^3 + 5 x^2 + 5 x + 1}{(x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315549
Score: 4.50252
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 5 x^8 + 5 x^7 + x^6 + x^5 + x^4 + 5 x^3 + 5 x^2 + 5 x + 1}{}$$

```
                   2            2        4    2             2
                 (x  + x + 1) (x  + 1) (x  - x  + 1) (x - 1)
```

Sequence: A315554
Score: 3.59749
Type of gen. func.: ogf

```
  12      11      10        9       8       7       6       5       4       3
(x   + 5 x   + 6 x   + 11 x  + 13 x  + 15 x  + 12 x  + 15 x  + 13 x  + 11 x

          2              /    2        4    3    2            4             2
     + 6 x  + 5 x + 1)  /  ((x  + 1) (x  + x  + x  + x + 1) (x  + 1) (x - 1) )
                       /
```

Sequence: A315559
Score: 4.8047
Type of gen. func.: ogf

```
  10      9       8       7       6       5       4       3       2
(x   + 6 x  + 11 x  + 18 x  + 22 x  + 28 x  + 22 x  + 18 x  + 11 x  + 6 x + 1)

       /         2   4    3    2         2
      /  ((x - 1)  (x  + x  + x  + x + 1) )
     /
```

Sequence: A315559
Score: 5.50692
Type of gen. func.: ogf

```
  10      9       8       7       6       5       4       3       2
(x   + 6 x  + 11 x  + 18 x  + 22 x  + 28 x  + 22 x  + 18 x  + 11 x  + 6 x + 1)

       /         2   4    3    2         2
      /  ((x - 1)  (x  + x  + x  + x + 1) )
     /
```

Sequence: A315563
Score: 7.45729
Type of gen. func.: ogf

```
                   6      5       4       3       2
                  x  + 6 x  + 11 x  + 16 x  + 11 x  + 6 x + 1
                  -------------------------------------------
                                     2   2         2
                            (x - 1)  (x  + x + 1)
```

Sequence: A315563

Score: 7.78152
Type of gen. func.: ogf

$$\frac{x^6 + 6 x^5 + 11 x^4 + 16 x^3 + 11 x^2 + 6 x + 1}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A315564
Score: 3.86973
Type of gen. func.: ogf

$$(x^{12} + 6 x^{11} + 11 x^{10} + 18 x^9 + 24 x^8 + 28 x^7 + 34 x^6 + 28 x^5 + 24 x^4 + 18 x^3 + 11 x^2 + 6 x + 1) / ((x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2)$$

Sequence: A315564
Score: 4.77267
Type of gen. func.: ogf

$$(x^{12} + 6 x^{11} + 11 x^{10} + 18 x^9 + 24 x^8 + 28 x^7 + 34 x^6 + 28 x^5 + 24 x^4 + 18 x^3 + 11 x^2 + 6 x + 1) / ((x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2)$$

Sequence: A315572
Score: 3.5959
Type of gen. func.: ogf

$$- (6 x^{15} - x^{12} - 6 x^{11} - 18 x^{10} - 18 x^9 - 18 x^8 - 30 x^7 - 28 x^6 - 30 x^5 - 12 x^4 - 12 x^3 - 12 x^2 - 6 x - 1) / ((x - 1)^2 (x + 1) (x^2 + x + 1)^2 (x^2 - x + 1)^2)$$

Sequence: A315572
Score: 4.47791
Type of gen. func.: ogf

```
      15    12      11       10       9       8       7       6       5       4
```

$$-(6x - x - 6x - 18x - 18x - 18x - 30x - 28x - 30x - 12x - 12x^3 - 12x^2 - 6x - 1) / ((x-1)^2 (x+1)^2 (x^2+x+1)^2 (x^2-x+1)^2)$$

Sequence: A315575
Score: 3.95623
Type of gen. func.: ogf

$$(x^{14} + 6x^{13} + 12x^{12} + 11x^{11} + 12x^{10} + 6x^9 + 18x^8 + 18x^7 + 18x^6 + 6x^5 + 12x^4 + 11x^3 + 12x^2 + 6x + 1) / ((x^2+x+1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x-1)^2)$$

Sequence: A315581
Score: 3.99993
Type of gen. func.: ogf

$$(x^{14} + 6x^{13} + 12x^{12} + 12x^{11} + 18x^{10} + 29x^9 + 24x^8 + 24x^7 + 24x^6 + 29x^5 + 18x^4 + 12x^3 + 12x^2 + 6x + 1) / ((x^2+x+1) (x^4 + x^3 + x^2 + x + 1) (x^6 + x^3 + 1) (x-1)^2)$$

Sequence: A315582
Score: 3.5959
Type of gen. func.: ogf

$$-(6x^{15} - x^{12} - 6x^{11} - 18x^{10} - 18x^9 - 24x^8 - 30x^7 - 28x^6 - 30x^5 - 18x^4 - 12x^3 - 12x^2 - 6x - 1) / ((x-1)^2 (x+1)^2 (x^2+x+1)^2 (x^2-x+1)^2)$$

Sequence: A315582

Score: 4.47791
Type of gen. func.: ogf

$$-(6x^{15}-x^{12}-6x^{11}-18x^{10}-18x^{9}-24x^{8}-30x^{7}-28x^{6}-30x^{5}-18x^{4}-12x^{3}-12x^{2}-6x-1)\Big/\left((x-1)^{2}(x+1)^{2}(x^{2}+x+1)^{2}(x^{2}-x+1)^{2}\right)$$

Sequence: A315583
Score: 3.78783
Type of gen. func.: ogf

$$-(6x^{15}-7x^{12}-6x^{11}-18x^{10}-5x^{9}-18x^{8}-18x^{7}-24x^{6}-18x^{5}-12x^{4}-11x^{3}-12x^{2}-6x-1)\Big/\left((x^{6}+x^{3}+1)(x-1)^{2}(x^{2}+x+1)^{2}\right)$$

Sequence: A315583
Score: 4.31265
Type of gen. func.: ogf

$$-(6x^{15}-7x^{12}-6x^{11}-18x^{10}-5x^{9}-18x^{8}-18x^{7}-24x^{6}-18x^{5}-12x^{4}-11x^{3}-12x^{2}-6x-1)\Big/\left((x^{6}+x^{3}+1)(x-1)^{2}(x^{2}+x+1)^{2}\right)$$

Sequence: A315596
Score: 3.97796
Type of gen. func.: ogf

$$(x^{14}+6x^{13}+12x^{12}+12x^{11}+24x^{10}+29x^{9}+18x^{8}+24x^{7}+18x^{6}+29x^{5}+24x^{4}+12x^{3}+12x^{2}+6x+1)\Big/\left((x^{2}+x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2}\right)$$

Sequence: A315598
Score: 4.06761
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^{9} + 7 x^{8} + 5 x^{7} + 18 x^{6} + 6 x^{5} + 18 x^{4} + 5 x^{3} + 7 x^{2} + 5 x + 1}{(x^{2} + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A315598
Score: 4.44658
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^{9} + 7 x^{8} + 5 x^{7} + 18 x^{6} + 6 x^{5} + 18 x^{4} + 5 x^{3} + 7 x^{2} + 5 x + 1}{(x^{2} + 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A315600
Score: 3.43495
Type of gen. func.: ogf

$$(x^{14} + 6 x^{13} + 12 x^{12} + 14 x^{11} + 18 x^{10} + 22 x^{9} + 28 x^{8} + 32 x^{7} + 28 x^{6} + 20 x^{5} + 18 x^{4} + 14 x^{3} + 12 x^{2} + 6 x + 1) / ((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A315600
Score: 4.14214
Type of gen. func.: ogf

$$(x^{14} + 6 x^{13} + 12 x^{12} + 14 x^{11} + 18 x^{10} + 22 x^{9} + 28 x^{8} + 32 x^{7} + 28 x^{6} + 20 x^{5} + 18 x^{4} + 14 x^{3} + 12 x^{2} + 6 x + 1) / ((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A315605
Score: 4.1898
Type of gen. func.: ogf

$$-(2x^{15}-4x^{13}-x^{12}-12x^{10}-8x^{9}+x^{8}-8x^{7}-22x^{6}-14x^{5}+x^{4}-2x^{3}-10x^{2}-6x-1) \Big/ ((x-1)^{2}(x+1)^{2}(x^{4}+1)^{2})$$

Sequence: A315610
Score: 6.49611
Type of gen. func.: ogf

$$\frac{x^{6}+5x^{5}+6x^{4}+2x^{3}+6x^{2}+5x+1}{(x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A315610
Score: 7.61372
Type of gen. func.: ogf

$$\frac{x^{6}+5x^{5}+6x^{4}+2x^{3}+6x^{2}+5x+1}{(x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A315612
Score: 3.61566
Type of gen. func.: ogf

$$-(2x^{15}-x^{12}-6x^{11}-14x^{10}-16x^{9}-22x^{8}-28x^{7}-32x^{6}-28x^{5}-20x^{4}-14x^{3}-12x^{2}-6x-1) \Big/ ((x-1)^{2}(x+1)^{2}(x^{2}+x+1)^{2}(x^{2}-x+1)^{2})$$

Sequence: A315612
Score: 4.50252
Type of gen. func.: ogf

$$- (2 x^{15} - x^{12} - 6 x^{11} - 14 x^{10} - 16 x^{9} - 22 x^{8} - 28 x^{7} - 32 x^{6} - 28 x^{5} - 20 x^{4} - 14 x^{3} - 12 x^{2} - 6 x - 1) / ((x - 1)^{2} (x + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2})$$

Sequence: A315614
Score: 4.70987
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^{9} + 6 x^{8} + 2 x^{7} + 10 x^{6} + 2 x^{5} + 10 x^{4} + 2 x^{3} + 6 x^{2} + 5 x + 1}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A315614
Score: 5.54961
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^{9} + 6 x^{8} + 2 x^{7} + 10 x^{6} + 2 x^{5} + 10 x^{4} + 2 x^{3} + 6 x^{2} + 5 x + 1}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A315615
Score: 3.97909
Type of gen. func.: ogf

$$(x^{14} + 4 x^{13} + 3 x^{12} + 5 x^{11} + 5 x^{10} + 6 x^{9} + 7 x^{8} + 13 x^{7} + 7 x^{6} + 6 x^{5} + 5 x^{4} + 5 x^{3} + 3 x^{2} + 4 x + 1) / ((x - 1)^{2} (x^{2} + 1)^{2} (x^{4} + 1)^{2})$$

Sequence: A315616
Score: 4.4888
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 2 x^{10} + x^{9} + 3 x^{8} + 5 x^{7} + 6 x^{6} + 5 x^{5} + 3 x^{4} + x^{3} + 2 x^{2} + 4 x + 1) / ((x^{2} + 1) (x - 1)^{2} (x^{4} + 1)^{2})$$

Sequence: A315617
Score: 4.71515
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^{9} + 6 x^{8} + 3 x^{7} + 3 x^{6} + 12 x^{5} + 3 x^{4} + 3 x^{3} + 6 x^{2} + 5 x + 1}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A315617
Score: 5.56241
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^{9} + 6 x^{8} + 3 x^{7} + 3 x^{6} + 12 x^{5} + 3 x^{4} + 3 x^{3} + 6 x^{2} + 5 x + 1}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A315618
Score: 4.87663
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + 3 x^{8} + 5 x^{7} + 6 x^{6} + 9 x^{5} + 6 x^{4} + 5 x^{3} + 3 x^{2} + 4 x + 1}{(x - 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2}}$$

Sequence: A315621
Score: 3.7679
Type of gen. func.: ogf

$$- (3 x^{18} - 4 x^{12} - 6 x^{11} - 15 x^{10} - 14 x^{9} - 18 x^{8} - 18 x^{7} - 18 x^{6} - 18 x^{5} - 15 x^{4} - 14 x^{3} - 12 x^{2} - 6 x - 1) / ((x^{6} + x^{3} + 1) (x - 1)^{2} (x^{2} + x + 1)^{2})$$

Sequence: A315621
Score: 4.28683

Type of gen. func.: ogf

$$-(3x^{18}-4x^{12}-6x^{11}-15x^{10}-14x^{9}-18x^{8}-18x^{7}-18x^{6}-18x^{5}-15x^{4}-14x^{3}-12x^{2}-6x-1)\Big/\left((x^{6}+x^{3}+1)(x-1)^{2}(x^{2}+x+1)^{2}\right)$$

Sequence: A315623
Score: 3.99993
Type of gen. func.: ogf

$$(x^{14}+6x^{13}+12x^{12}+15x^{11}+24x^{10}+29x^{9}+21x^{8}+24x^{7}+21x^{6}+29x^{5}+24x^{4}+15x^{3}+12x^{2}+6x+1)\Big/\left((x^{2}+x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2}\right)$$

Sequence: A315627
Score: 4.6233
Type of gen. func.: ogf

$$-\frac{2x^{10}-2x^{9}-x^{7}-5x^{6}-8x^{5}-2x^{4}-4x^{3}-6x^{2}-5x-1}{(x+1)(x^{2}+x+1)(x^{2}-x+1)(x-1)^{2}}$$

Sequence: A315627
Score: 6.03380
Type of gen. func.: ogf

$$-\frac{2x^{10}-2x^{9}-x^{7}-5x^{6}-8x^{5}-2x^{4}-4x^{3}-6x^{2}-5x-1}{(x+1)(x^{2}+x+1)(x^{2}-x+1)(x-1)^{2}}$$

Sequence: A315629
Score: 3.44952
Type of gen. func.: ogf

$$\frac{(x^{10} + 3 x^9 - x^8 + 3 x^7 - x^6 + 3 x^5 - x^4 + 3 x^3 - x^2 + 3 x + 1) (x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315629
Score: 4.79625
Type of gen. func.: ogf

$$\frac{(x^{10} + 3 x^9 - x^8 + 3 x^7 - x^6 + 3 x^5 - x^4 + 3 x^3 - x^2 + 3 x + 1) (x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315630
Score: 3.95598
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 2 x^8 + 2 x^7 + 2 x^6 + 2 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 4 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A315631
Score: 4.88328
Type of gen. func.: ogf

$$\frac{(x^8 + 3 x^7 - x^6 + 3 x^5 - x^4 + 3 x^3 - x^2 + 3 x + 1) (x + 1)^2}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315631
Score: 5.57540
Type of gen. func.: ogf

$$\frac{(x^8 + 3 x^7 - x^6 + 3 x^5 - x^4 + 3 x^3 - x^2 + 3 x + 1) (x + 1)^2}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315632

Score: 6.49611
Type of gen. func.: ogf

$$\frac{x^6 + 4 x^5 + x^4 - 2 x^3 + x^2 + 4 x + 1}{(x^4 + 1) (x - 1)^2}$$

Sequence: A315632
Score: 7.95591
Type of gen. func.: ogf

$$\frac{x^6 + 4 x^5 + x^4 - 2 x^3 + x^2 + 4 x + 1}{(x^4 + 1) (x - 1)^2}$$

Sequence: A315633
Score: 3.36921
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 6 x^{10} + 4 x^9 + 4 x^8 + 4 x^7 + 6 x^6 + 4 x^5 + 4 x^4 + 4 x^3 + 6 x^2 + 5 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315633
Score: 4.82304
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 6 x^{10} + 4 x^9 + 4 x^8 + 4 x^7 + 6 x^6 + 4 x^5 + 4 x^4 + 4 x^3 + 6 x^2 + 5 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315634
Score: 5.16844
Type of gen. func.: ogf

$$\frac{(x^6 + 3x^5 - x^4 + 3x^3 - x^2 + 3x + 1)(x + 1)^2}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A315634
Score: 6.49611
Type of gen. func.: ogf

$$\frac{(x^6 + 3x^5 - x^4 + 3x^3 - x^2 + 3x + 1)(x + 1)^2}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A315635
Score: 4.72051
Type of gen. func.: ogf

$$\frac{x^{10} + 5x^9 + 6x^8 + 4x^7 + 4x^6 + 6x^5 + 4x^4 + 4x^3 + 6x^2 + 5x + 1}{(x^2 + x + 1)(x^6 + x^3 + 1)(x - 1)^2}$$

Sequence: A315635
Score: 5.57540
Type of gen. func.: ogf

$$\frac{x^{10} + 5x^9 + 6x^8 + 4x^7 + 4x^6 + 6x^5 + 4x^4 + 4x^3 + 6x^2 + 5x + 1}{(x^2 + x + 1)(x^6 + x^3 + 1)(x - 1)^2}$$

Sequence: A315636
Score: 3.38792
Type of gen. func.: ogf

$$(x^{12} + 5x^{11} + 6x^{10} + 4x^9 + 4x^8 + 6x^7 + 4x^6 + 6x^5 + 4x^4 + 4x^3 + 6x^2 + 5x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2)$$

Sequence: A315636
Score: 4.84984
Type of gen. func.: ogf

$$\frac{x^{12}+5x^{11}+6x^{10}+4x^{9}+4x^{8}+6x^{7}+4x^{6}+6x^{5}+4x^{4}+4x^{3}+6x^{2}+5x+1}{(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A315637
Score: 3.97796
Type of gen. func.: ogf

$$\frac{x^{10}+4x^{9}+2x^{8}+2x^{7}+2x^{6}+4x^{5}+2x^{4}+2x^{3}+2x^{2}+4x+1}{(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)(x-1)^{2}}$$

Sequence: A315638
Score: 3.40664
Type of gen. func.: ogf

$$\frac{x^{12}+5x^{11}+6x^{10}+4x^{9}+4x^{8}+6x^{7}+6x^{6}+6x^{5}+4x^{4}+4x^{3}+6x^{2}+5x+1}{(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A315638
Score: 4.87663
Type of gen. func.: ogf

$$\frac{x^{12}+5x^{11}+6x^{10}+4x^{9}+4x^{8}+6x^{7}+6x^{6}+6x^{5}+4x^{4}+4x^{3}+6x^{2}+5x+1}{(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A315639
Score: 6.08537
Type of gen. func.: ogf

$$\frac{x^6 + 4 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 4 x + 1}{(x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A315639
Score: 6.30078
Type of gen. func.: ogf

$$\frac{x^6 + 4 x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 4 x + 1}{(x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A315640
Score: 3.45403
Type of gen. func.: ogf

$$(x^{14} + 6 x^{13} + 12 x^{12} + 16 x^{11} + 21 x^{10} + 25 x^9 + 32 x^8 + 36 x^7 + 32 x^6 + 25 x^5 + 21 x^4 + 16 x^3 + 12 x^2 + 6 x + 1) / ((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A315640
Score: 4.16515
Type of gen. func.: ogf

$$(x^{14} + 6 x^{13} + 12 x^{12} + 16 x^{11} + 21 x^{10} + 25 x^9 + 32 x^8 + 36 x^7 + 32 x^6 + 25 x^5 + 21 x^4 + 16 x^3 + 12 x^2 + 6 x + 1) / ((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A315641
Score: 4.26340
Type of gen. func.: ogf

$$\frac{(x^8+2x^7-4x^6+4x^5-2x^4+4x^3-4x^2+2x+1)(x+1)^2}{(x^2+x+1)(x^2-x+1)(x^4-x^2+1)(x-1)^2}$$

Sequence: A315641
Score: 4.31508
Type of gen. func.: ogf

$$\frac{(x^8+2x^7-4x^6+4x^5-2x^4+4x^3-4x^2+2x+1)(x+1)^2}{(x^2+x+1)(x^2-x+1)(x^4-x^2+1)(x-1)^2}$$

Sequence: A315642
Score: 3.45625
Type of gen. func.: ogf

$$\frac{(x^2-x+1)(x^8+4x^7+2x^6+x^5-x^4+x^3+2x^2+4x+1)(x+1)^2}{(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A315642
Score: 4.87663
Type of gen. func.: ogf

$$\frac{(x^2-x+1)(x^8+4x^7+2x^6+x^5-x^4+x^3+2x^2+4x+1)(x+1)^2}{(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A315643
Score: 3.38792
Type of gen. func.: ogf

$$(x^{12}+5x^{11}+6x^{10}+4x^9+6x^8+4x^7+4x^6+4x^5+6x^4+4x^3+6x^2$$

/   10   9   8   7   6   5   4   3   2

$$+ 5 x + 1) / ((x + x + x + x + x + x + x + x + x + x + 1) (x - 1)^{2})$$

Sequence: A315643
Score: 4.84984
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 6 x^{10} + 4 x^{9} + 6 x^{8} + 4 x^{7} + 4 x^{6} + 4 x^{5} + 6 x^{4} + 4 x^{3} + 6 x^{2} + 5 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A315644
Score: 4.04615
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + 2 x^{8} + 2 x^{7} + 4 x^{6} + 4 x^{4} + 2 x^{3} + 2 x^{2} + 4 x + 1}{(x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A315644
Score: 4.16515
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + 2 x^{8} + 2 x^{7} + 4 x^{6} + 4 x^{4} + 2 x^{3} + 2 x^{2} + 4 x + 1}{(x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A315645
Score: 3.40664
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 6 x^{10} + 4 x^{9} + 6 x^{8} + 4 x^{7} + 6 x^{6} + 4 x^{5} + 6 x^{4} + 4 x^{3} + 6 x^{2} + 5 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)$$

$$(x - 1)^2)$$

Sequence: A315645
Score: 4.87663
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 6 x^{10} + 4 x^9 + 6 x^8 + 4 x^7 + 6 x^6 + 4 x^5 + 6 x^4 + 4 x^3 + 6 x^2 + 5 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315646
Score: 4.77844
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + x^6 - x^5 + 6 x^4 - x^3 + x^2 + 4 x + 1}{(x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315646
Score: 6.30078
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + x^6 - x^5 + 6 x^4 - x^3 + x^2 + 4 x + 1}{(x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315647
Score: 5.04956
Type of gen. func.: ogf

$$\frac{x^8 + 5 x^7 + 6 x^6 + 4 x^5 + 6 x^4 + 4 x^3 + 6 x^2 + 5 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315647
Score: 6.53200
Type of gen. func.: ogf

$$\frac{x^8+5x^7+6x^6+4x^5+6x^4+4x^3+6x^2+5x+1}{(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A315649
Score: 4.06850
Type of gen. func.: ogf

$$\frac{x^{10}+3x^9-2x^8+x^7+5x^6-5x^5+5x^4+x^3-2x^2+3x+1}{(x^2+1)(x^2-x+1)(x^4-x^2+1)(x-1)^2}$$

Sequence: A315649
Score: 4.28909
Type of gen. func.: ogf

$$\frac{x^{10}+3x^9-2x^8+x^7+5x^6-5x^5+5x^4+x^3-2x^2+3x+1}{(x^2+1)(x^2-x+1)(x^4-x^2+1)(x-1)^2}$$

Sequence: A315650
Score: 3.50733
Type of gen. func.: ogf

$$\frac{(x^{10}+3x^9-x^8+3x^7+x^6+x^5+x^4+3x^3-x^2+3x+1)(x+1)^2}{(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A315650
Score: 4.87663
Type of gen. func.: ogf

$$\frac{(x^{10}+3x^9-x^8+3x^7+x^6+x^5+x^4+3x^3-x^2+3x+1)(x+1)^2}{(x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A315651
Score: 4.80470
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 2 x^6 + 2 x^5 + 4 x^4 + 2 x^3 + 2 x^2 + 4 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A315651
Score: 5.91653
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 2 x^6 + 2 x^5 + 4 x^4 + 2 x^3 + 2 x^2 + 4 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A315653
Score: 4.77267
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 6 x^8 + 4 x^7 + 6 x^6 + 6 x^5 + 6 x^4 + 4 x^3 + 6 x^2 + 5 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315653
Score: 5.63701
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 6 x^8 + 4 x^7 + 6 x^6 + 6 x^5 + 6 x^4 + 4 x^3 + 6 x^2 + 5 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315654
Score: 6.8181
Type of gen. func.: ogf

$$(x^4 + 3 x^3 - x^2 + 3 x + 1) (x + 1)^2$$

$$(x^4 + x^3 + x^2 + x + 1)(x - 1)^2$$

Sequence: A315654
Score: 7.69785
Type of gen. func.: ogf

$$\frac{(x^4 + 3x^3 - x^2 + 3x + 1)(x + 1)^2}{(x^4 + x^3 + x^2 + x + 1)(x - 1)^2}$$

Sequence: A315655
Score: 3.42536
Type of gen. func.: ogf

$$(x^{12} + 5x^{11} + 6x^{10} + 4x^9 + 6x^8 + 6x^7 + 6x^6 + 6x^5 + 6x^4 + 4x^3 + 6x^2 + 5x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2)$$

Sequence: A315655
Score: 4.90342
Type of gen. func.: ogf

$$(x^{12} + 5x^{11} + 6x^{10} + 4x^9 + 6x^8 + 6x^7 + 6x^6 + 6x^5 + 6x^4 + 4x^3 + 6x^2 + 5x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)(x - 1)^2)$$

Sequence: A315656
Score: 4.41914
Type of gen. func.: ogf

$$\frac{x^{10} + 5x^9 + 6x^8 + 5x^7 + 11x^6 + 12x^5 + 11x^4 + 5x^3 + 6x^2 + 5x + 1}{(x^2 + x + 1)(x - 1)^2 (x + 1)^2 (x^2 - x + 1)}$$

Sequence: A315656
Score: 4.44659
Type of gen. func.: ogf

$$\frac{x^{10}+5x^{9}+6x^{8}+5x^{7}+11x^{6}+12x^{5}+11x^{4}+5x^{3}+6x^{2}+5x+1}{(x^{2}+x+1)(x-1)^{2}(x+1)^{2}(x^{2}-x+1)^{2}}$$

Sequence: A315658
Score: 3.63542
Type of gen. func.: ogf

$$-(2x^{15}-x^{12}-6x^{11}-14x^{10}-18x^{9}-24x^{8}-30x^{7}-32x^{6}-30x^{5}-22x^{4}-16x^{3}-12x^{2}-6x-1)\bigg/\left((x-1)^{2}(x+1)^{2}(x^{2}+x+1)^{2}(x^{2}-x+1)^{2}\right)$$

Sequence: A315658
Score: 4.52712
Type of gen. func.: ogf

$$-(2x^{15}-x^{12}-6x^{11}-14x^{10}-18x^{9}-24x^{8}-30x^{7}-32x^{6}-30x^{5}-22x^{4}-16x^{3}-12x^{2}-6x-1)\bigg/\left((x-1)^{2}(x+1)^{2}(x^{2}+x+1)^{2}(x^{2}-x+1)^{2}\right)$$

Sequence: A315660
Score: 4.16221
Type of gen. func.: ogf

$$-(x^{15}-x^{13}-x^{10}-5x^{9}-6x^{8}-5x^{7}-7x^{6}-5x^{5}-7x^{4}-4x^{3}-6x^{2}-5x-1)\bigg/\left((x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2}\right)$$

Sequence: A315660
Score: 4.93724
Type of gen. func.: ogf

$$-(x^{15} - x^{13} - x^{10} - 5x^9 - 6x^8 - 5x^7 - 7x^6 - 5x^5 - 7x^4 - 4x^3 - 6x^2 - 5x - 1) / ((x^2 + x + 1)(x^6 + x^3 + 1)(x - 1)^2)$$

Sequence: A315662
Score: 5.22555
Type of gen. func.: ogf

$$\frac{(x^8 + 4x^7 + 3x^6 + 6x^5 + 8x^4 + 6x^3 + 3x^2 + 4x + 1)(x + 1)^2}{(x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2}$$

Sequence: A315662
Score: 5.50692
Type of gen. func.: ogf

$$\frac{(x^8 + 4x^7 + 3x^6 + 6x^5 + 8x^4 + 6x^3 + 3x^2 + 4x + 1)(x + 1)^2}{(x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2}$$

Sequence: A315665
Score: 3.47311
Type of gen. func.: ogf

$$(x^{14} + 6x^{13} + 12x^{12} + 17x^{11} + 19x^{10} + 26x^9 + 32x^8 + 36x^7 + 32x^6 + 26x^5 + 19x^4 + 17x^3 + 12x^2 + 6x + 1) / ((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A315665
Score: 4.18816
Type of gen. func.: ogf

$$(x^{14} + 6 x^{13} + 12 x^{12} + 17 x^{11} + 19 x^{10} + 26 x^{9} + 32 x^{8} + 36 x^{7} + 32 x^{6} + 26 x^{5} + 19 x^{4} + 17 x^{3} + 12 x^{2} + 6 x + 1) / ((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A315666
Score: 3.43261
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 2 x^{10} + 3 x^{9} + x^{8} + 3 x^{7} + x^{6} + 3 x^{5} + x^{4} + 3 x^{3} + 2 x^{2} + 4 x + 1) / ((x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2})$$

Sequence: A315667
Score: 3.36921
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 6 x^{10} + 5 x^{9} + 4 x^{8} + 4 x^{7} + 4 x^{6} + 4 x^{5} + 4 x^{4} + 5 x^{3} + 6 x^{2} + 5 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A315667
Score: 4.82304
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 6 x^{10} + 5 x^{9} + 4 x^{8} + 4 x^{7} + 4 x^{6} + 4 x^{5} + 4 x^{4} + 5 x^{3} + 6 x^{2} + 5 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A315668

Score: 6.05193
Type of gen. func.: ogf

$$\frac{x^6 + 3 x^5 - 2 x^4 + x^3 - 2 x^2 + 3 x + 1}{(x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A315668
Score: 6.49611
Type of gen. func.: ogf

$$\frac{x^6 + 3 x^5 - 2 x^4 + x^3 - 2 x^2 + 3 x + 1}{(x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A315669
Score: 4.72051
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 6 x^8 + 5 x^7 + 4 x^6 + 4 x^5 + 4 x^4 + 5 x^3 + 6 x^2 + 5 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315669
Score: 5.57540
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 6 x^8 + 5 x^7 + 4 x^6 + 4 x^5 + 4 x^4 + 5 x^3 + 6 x^2 + 5 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315670
Score: 4.21655
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 - 2 x^8 + 2 x^7 + x^6 + x^4 + 2 x^3 - 2 x^2 + 3 x + 1}{(x^2 + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315670
Score: 4.45674
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^{9} - 2 x^{8} + 2 x^{7} + x^{6} + x^{4} + 2 x^{3} - 2 x^{2} + 3 x + 1}{(x^{2} + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A315671
Score: 4.77844
Type of gen. func.: ogf

$$\frac{x^{8} + 4 x^{7} + 2 x^{6} + 3 x^{5} + x^{4} + 3 x^{3} + 2 x^{2} + 4 x + 1}{(x^{4} + 1) (x^{2} + 1) (x - 1)^{2}}$$

Sequence: A315671
Score: 5.8842
Type of gen. func.: ogf

$$\frac{x^{8} + 4 x^{7} + 2 x^{6} + 3 x^{5} + x^{4} + 3 x^{3} + 2 x^{2} + 4 x + 1}{(x^{4} + 1) (x^{2} + 1) (x - 1)^{2}}$$

Sequence: A315672
Score: 3.97796
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + 2 x^{8} + 3 x^{7} + x^{6} + 4 x^{5} + x^{4} + 3 x^{3} + 2 x^{2} + 4 x + 1}{(x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A315673
Score: 3.47096
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 2 x^{10} + 3 x^{9} + x^{8} + 4 x^{7} + x^{6} + 4 x^{5} + x^{4} + 3 x^{3} + 2 x^{2} + 4 x$$

```
            /    2        2            2            4    2             2
     + 1)  /  ((x  + 1) (x  + x + 1) (x  - x + 1) (x  - x  + 1) (x - 1) )
          /



------------------------------------------------------------------------------

Sequence:  A315674
Score: 3.38792
Type of gen. func.: ogf


  12      11      10      9      8      7      6      5      4      3      2
(x   + 5 x   + 6 x   + 5 x  + 4 x  + 5 x  + 6 x  + 5 x  + 4 x  + 5 x  + 6 x

                  /    10    9    8    7    6    5    4    3    2
     + 5 x + 1)  /  ((x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1)
                /

           2
    (x - 1) )



------------------------------------------------------------------------------

Sequence:  A315674
Score: 4.84984
Type of gen. func.: ogf


  12      11      10      9      8      7      6      5      4      3      2
(x   + 5 x   + 6 x   + 5 x  + 4 x  + 5 x  + 6 x  + 5 x  + 4 x  + 5 x  + 6 x

                  /    10    9    8    7    6    5    4    3    2
     + 5 x + 1)  /  ((x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1)
                /

           2
    (x - 1) )



------------------------------------------------------------------------------

Sequence:  A315675
Score: 3.49014
Type of gen. func.: ogf


  12      11      10      9    8      7      6      5    4      3      2
(x   + 4 x   + 2 x   + 3 x  + x  + 4 x  + 2 x  + 4 x  + x  + 3 x  + 2 x  + 4 x

            /    2        2            2            4    2             2
     + 1)  /  ((x  + 1) (x  + x + 1) (x  - x + 1) (x  - x  + 1) (x - 1) )
          /



------------------------------------------------------------------------------

Sequence:  A315676
Score: 5.04956
Type of gen. func.: ogf


              8      7      6      5      4      3      2
             x  + 5 x  + 6 x  + 5 x  + 4 x  + 5 x  + 6 x  + 5 x + 1
             ------------------------------------------------------
                     6    5    4    3    2                 2
```

$$(x + x + x + x + x + x + 1) (x - 1)$$

Sequence: A315676
Score: 6.53200
Type of gen. func.: ogf

$$\frac{x^8 + 5 x^7 + 6 x^6 + 5 x^5 + 4 x^4 + 5 x^3 + 6 x^2 + 5 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315678
Score: 3.48806
Type of gen. func.: ogf

$$(x^{10} + 3 x^9 - x^8 + 4 x^7 - 2 x^6 + 4 x^5 - 2 x^4 + 4 x^3 - x^2 + 3 x + 1) (x + 1)^2 / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315678
Score: 4.84984
Type of gen. func.: ogf

$$(x^{10} + 3 x^9 - x^8 + 4 x^7 - 2 x^6 + 4 x^5 - 2 x^4 + 4 x^3 - x^2 + 3 x + 1) (x + 1)^2 / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315679
Score: 3.97796
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 2 x^8 + 3 x^7 + 2 x^6 + 2 x^5 + 2 x^4 + 3 x^3 + 2 x^2 + 4 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A315680
Score: 5.35329
Type of gen. func.: ogf

$$\frac{(x^6 + 2 x^5 - 4 x^4 + 6 x^3 - 4 x^2 + 2 x + 1) (x + 1)^2}{(x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315680
Score: 6.532
Type of gen. func.: ogf

$$\frac{(x^6 + 2 x^5 - 4 x^4 + 6 x^3 - 4 x^2 + 2 x + 1) (x + 1)^2}{(x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315681
Score: 4.72051
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 6 x^8 + 4 x^7 - x^5 + 4 x^3 + 6 x^2 + 5 x + 1}{(x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315681
Score: 4.95158
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 6 x^8 + 4 x^7 - x^5 + 4 x^3 + 6 x^2 + 5 x + 1}{(x^2 + x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315682
Score: 3.38792
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 6 x^{10} + 5 x^9 + 5 x^8 + 5 x^7 + 4 x^6 + 5 x^5 + 5 x^4 + 5 x^3 + 6 x^2 + 5 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315682
Score: 4.84984
Type of gen. func.: ogf

$$\left(x^{12}+5x^{11}+6x^{10}+5x^{9}+5x^{8}+5x^{7}+4x^{6}+5x^{5}+5x^{4}+5x^{3}+6x^{2}+5x+1\right) \Big/ \left(\left(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1\right)(x-1)^{2}\right)$$

Sequence: A315683
Score: 4.18817
Type of gen. func.: ogf

$$\frac{x^{10}+4x^{9}+x^{8}-x^{7}+x^{6}+4x^{5}+x^{4}-x^{3}+x^{2}+4x+1}{(x^{2}+x+1)(x^{2}-x+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A315683
Score: 4.26340
Type of gen. func.: ogf

$$\frac{x^{10}+4x^{9}+x^{8}-x^{7}+x^{6}+4x^{5}+x^{4}-x^{3}+x^{2}+4x+1}{(x^{2}+x+1)(x^{2}-x+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A315684
Score: 3.99993
Type of gen. func.: ogf

$$\frac{x^{10}+4x^{9}+2x^{8}+3x^{7}+2x^{6}+3x^{5}+2x^{4}+3x^{3}+2x^{2}+4x+1}{(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)(x-1)^{2}}$$

Sequence: A315685
Score: 6.56789

Type of gen. func.: ogf

$$\frac{x^6 + 4 x^5 + x^4 - x^3 + x^2 + 4 x + 1}{(x^4 + 1) (x - 1)^2}$$

Sequence: A315685
Score: 8.04382
Type of gen. func.: ogf

$$\frac{x^6 + 4 x^5 + x^4 - x^3 + x^2 + 4 x + 1}{(x^4 + 1) (x - 1)^2}$$

Sequence: A315686
Score: 3.50733
Type of gen. func.: ogf

$$(x^{10} + 3 x^9 - x^8 + 4 x^7 - 2 x^6 + 5 x^5 - 2 x^4 + 4 x^3 - x^2 + 3 x + 1) (x + 1)^2 / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315686
Score: 4.87663
Type of gen. func.: ogf

$$(x^{10} + 3 x^9 - x^8 + 4 x^7 - 2 x^6 + 5 x^5 - 2 x^4 + 4 x^3 - x^2 + 3 x + 1) (x + 1)^2 / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315687
Score: 4.06850
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 - 2 x^8 + 2 x^7 + 2 x^6 - x^5 + 2 x^4 + 2 x^3 - 2 x^2 + 3 x + 1}{(x^2 + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315687
Score: 4.28909
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^{9} - 2 x^{8} + 2 x^{7} + 2 x^{6} - x^{5} + 2 x^{4} + 2 x^{3} - 2 x^{2} + 3 x + 1}{(x^{2} + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A315688
Score: 5.014
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^{9} + 6 x^{8} + 4 x^{7} + 4 x^{3} + 6 x^{2} + 5 x + 1}{(x^{2} + x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A315688
Score: 5.27399
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^{9} + 6 x^{8} + 4 x^{7} + 4 x^{3} + 6 x^{2} + 5 x + 1}{(x^{2} + x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A315689
Score: 3.49014
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 2 x^{10} + 3 x^{9} + 2 x^{8} + 4 x^{7} + x^{6} + 4 x^{5} + 2 x^{4} + 3 x^{3} + 2 x^{2} + 4 x + 1) \Big/ ((x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2})$$

Sequence: A315690
Score: 4.77267
Type of gen. func.: ogf

10 9 8 7 6 5 4 3 2

```
     x   + 5 x  + 6 x  + 5 x  + 5 x  + 6 x  + 5 x  + 5 x  + 6 x  + 5 x + 1
     ---------------------------------------------------------------------
                        2            6    3            2
                      (x  + x + 1) (x  + x  + 1) (x - 1)
```

Sequence: A315690
Score: 5.63701
Type of gen. func.: ogf

```
      10      9      8      7      6      5      4      3      2
     x   + 5 x  + 6 x  + 5 x  + 5 x  + 6 x  + 5 x  + 5 x  + 6 x  + 5 x + 1
     ---------------------------------------------------------------------
                        2            6    3            2
                      (x  + x + 1) (x  + x  + 1) (x - 1)
```

Sequence: A315691
Score: 4.02191
Type of gen. func.: ogf

```
      10      9      8      7      6      5      4      3      2
     x   + 4 x  + 2 x  + 3 x  + 2 x  + 4 x  + 2 x  + 3 x  + 2 x  + 4 x + 1
     ---------------------------------------------------------------------
                4    3    2            4    3    2                 2
              (x  + x  + x  + x + 1) (x  - x  + x  - x + 1) (x - 1)
```

Sequence: A315692
Score: 3.42536
Type of gen. func.: ogf

```
  12      11      10      9      8      7      6      5      4      3      2
(x   + 5 x   + 6 x   + 5 x  + 5 x  + 6 x  + 6 x  + 6 x  + 5 x  + 5 x  + 6 x

                  /    10    9    8    7    6    5    4    3    2
     + 5 x + 1)  /  ((x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1)
                /

           2
    (x - 1) )
```

Sequence: A315692
Score: 4.90342
Type of gen. func.: ogf

```
  12      11      10      9      8      7      6      5      4      3      2
(x   + 5 x   + 6 x   + 5 x  + 5 x  + 6 x  + 6 x  + 6 x  + 5 x  + 5 x  + 6 x

                  /    10    9    8    7    6    5    4    3    2
     + 5 x + 1)  /  ((x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1)
                /

           2
```

$(x - 1))$

Sequence: A315693

Score: 6.11880

Type of gen. func.: ogf

$$\frac{x^6 + 4 x^5 + 2 x^4 + 3 x^3 + 2 x^2 + 4 x + 1}{(x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A315693

Score: 6.3354

Type of gen. func.: ogf

$$\frac{x^6 + 4 x^5 + 2 x^4 + 3 x^3 + 2 x^2 + 4 x + 1}{(x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A315695

Score: 3.40664

Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 6 x^{10} + 5 x^9 + 6 x^8 + 4 x^7 + 6 x^6 + 4 x^5 + 6 x^4 + 5 x^3 + 6 x^2 + 5 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315695

Score: 4.87663

Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 6 x^{10} + 5 x^9 + 6 x^8 + 4 x^7 + 6 x^6 + 4 x^5 + 6 x^4 + 5 x^3 + 6 x^2 + 5 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315696
Score: 4.77267
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^{9} + 6 x^{8} + 5 x^{7} + 6 x^{6} + 4 x^{5} + 6 x^{4} + 5 x^{3} + 6 x^{2} + 5 x + 1}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A315696
Score: 5.63701
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^{9} + 6 x^{8} + 5 x^{7} + 6 x^{6} + 4 x^{5} + 6 x^{4} + 5 x^{3} + 6 x^{2} + 5 x + 1}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A315697
Score: 5.51929
Type of gen. func.: ogf

$$\frac{x^{8} + 4 x^{7} + x^{6} - x^{5} + x^{4} - x^{3} + x^{2} + 4 x + 1}{(x^{2} + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A315697
Score: 5.69590
Type of gen. func.: ogf

$$\frac{x^{8} + 4 x^{7} + x^{6} - x^{5} + x^{4} - x^{3} + x^{2} + 4 x + 1}{(x^{2} + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A315698
Score: 4.02191
Type of gen. func.: ogf

$$x^{10} + 4 x^{9} + 2 x^{8} + 3 x^{7} + 3 x^{6} + 2 x^{5} + 3 x^{4} + 3 x^{3} + 2 x^{2} + 4 x + 1$$

$$(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2$$

Sequence: A315699
Score: 3.42536
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 6 x^{10} + 5 x^9 + 6 x^8 + 5 x^7 + 6 x^6 + 5 x^5 + 6 x^4 + 5 x^3 + 6 x^2 + 5 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315699
Score: 4.90342
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 6 x^{10} + 5 x^9 + 6 x^8 + 5 x^7 + 6 x^6 + 5 x^5 + 6 x^4 + 5 x^3 + 6 x^2 + 5 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315700
Score: 4.21118
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + x^8 - x^7 + 2 x^6 + 3 x^5 + 2 x^4 - x^3 + x^2 + 4 x + 1}{(x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315700
Score: 4.28683
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + x^8 - x^7 + 2 x^6 + 3 x^5 + 2 x^4 - x^3 + x^2 + 4 x + 1}{(x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315701
Score: 5.22555
Type of gen. func.: ogf

$$\frac{(x^6 + 3 x^5 - x^4 + 4 x^3 - x^2 + 3 x + 1) (x + 1)^2}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315701
Score: 6.56789
Type of gen. func.: ogf

$$\frac{(x^6 + 3 x^5 - x^4 + 4 x^3 - x^2 + 3 x + 1) (x + 1)^2}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315702
Score: 3.42536
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 6 x^{10} + 5 x^9 + 6 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 6 x^4 + 5 x^3 + 6 x^2 + 5 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315702
Score: 4.90342
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 6 x^{10} + 5 x^9 + 6 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 6 x^4 + 5 x^3 + 6 x^2 + 5 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315703
Score: 4.53101
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^{9} + 6 x^{8} + 4 x^{7} + x^{6} + x^{4} + 4 x^{3} + 6 x^{2} + 5 x + 1}{(x^{2} + x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A315703
Score: 4.74106
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^{9} + 6 x^{8} + 4 x^{7} + x^{6} + x^{4} + 4 x^{3} + 6 x^{2} + 5 x + 1}{(x^{2} + x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A315704
Score: 4.80470
Type of gen. func.: ogf

$$\frac{x^{8} + 4 x^{7} + 2 x^{6} + 3 x^{5} + 3 x^{4} + 3 x^{3} + 2 x^{2} + 4 x + 1}{(x^{4} + 1) (x^{2} + 1) (x - 1)^{2}}$$

Sequence: A315704
Score: 5.91653
Type of gen. func.: ogf

$$\frac{x^{8} + 4 x^{7} + 2 x^{6} + 3 x^{5} + 3 x^{4} + 3 x^{3} + 2 x^{2} + 4 x + 1}{(x^{4} + 1) (x^{2} + 1) (x - 1)^{2}}$$

Sequence: A315706
Score: 4.93724
Type of gen. func.: ogf

$$\frac{(x^{8} + 3 x^{7} - x^{6} + 4 x^{5} - x^{4} + 4 x^{3} - x^{2} + 3 x + 1) (x + 1)^{2}}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A315706
Score: 5.63701
Type of gen. func.: ogf

$$\frac{(x^8 + 3 x^7 - x^6 + 4 x^5 - x^4 + 4 x^3 - x^2 + 3 x + 1) (x + 1)^2}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315707
Score: 6.56789
Type of gen. func.: ogf

$$\frac{x^6 + 5 x^5 + 6 x^4 + 5 x^3 + 6 x^2 + 5 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315707
Score: 7.69785
Type of gen. func.: ogf

$$\frac{x^6 + 5 x^5 + 6 x^4 + 5 x^3 + 6 x^2 + 5 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315709
Score: 3.5266
Type of gen. func.: ogf

$$\frac{(x^{10} + 3 x^9 - x^8 + 4 x^7 - x^6 + 4 x^5 - x^4 + 4 x^3 - x^2 + 3 x + 1) (x + 1)^2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315709
Score: 4.90342
Type of gen. func.: ogf

10 9 8 7 6 5 4 3 2 2

$$\frac{(x + 3 x - x + 4 x - x + 4 x - x + 4 x - x + 3 x + 1) (x + 1)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315710
Score: 3.50931
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 2 x^{10} + 3 x^9 + 3 x^8 + 3 x^7 + 3 x^6 + 3 x^5 + 3 x^4 + 3 x^3 + 2 x^2 + 4 x + 1) / ((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2)$$

Sequence: A315711
Score: 4.41914
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 6 x^8 + 6 x^7 + 11 x^6 + 12 x^5 + 11 x^4 + 6 x^3 + 6 x^2 + 5 x + 1}{(x^2 + x + 1) (x - 1)^2 (x + 1)^2 (x^2 - x + 1)^2}$$

Sequence: A315711
Score: 4.44659
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 6 x^8 + 6 x^7 + 11 x^6 + 12 x^5 + 11 x^4 + 6 x^3 + 6 x^2 + 5 x + 1}{(x^2 + x + 1) (x - 1)^2 (x + 1)^2 (x^2 - x + 1)^2}$$

Sequence: A315721
Score: 3.89088
Type of gen. func.: ogf

$$(x^{12} + 6 x^{11} + 12 x^{10} + 18 x^9 + 18 x^8 + 30 x^7 + 34 x^6 + 30 x^5 + 18 x^4 + 18 x^3 + 12 x^2 + 6 x + 1) / ((x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2)$$

Sequence: A315721
Score: 4.79875
Type of gen. func.: ogf

$$(x^{12} + 6 x^{11} + 12 x^{10} + 18 x^{9} + 18 x^{8} + 30 x^{7} + 34 x^{6} + 30 x^{5} + 18 x^{4} + 18 x^{3} + 12 x^{2} + 6 x + 1) / ((x - 1)^{2} (x + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2})$$

Sequence: A315724
Score: 3.89088
Type of gen. func.: ogf

$$(x^{12} + 6 x^{11} + 12 x^{10} + 18 x^{9} + 21 x^{8} + 30 x^{7} + 34 x^{6} + 30 x^{5} + 21 x^{4} + 18 x^{3} + 12 x^{2} + 6 x + 1) / ((x - 1)^{2} (x + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2})$$

Sequence: A315724
Score: 4.79875
Type of gen. func.: ogf

$$(x^{12} + 6 x^{11} + 12 x^{10} + 18 x^{9} + 21 x^{8} + 30 x^{7} + 34 x^{6} + 30 x^{5} + 21 x^{4} + 18 x^{3} + 12 x^{2} + 6 x + 1) / ((x - 1)^{2} (x + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2})$$

Sequence: A315725
Score: 3.38792
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 6 x^{10} + 6 x^{9} + 4 x^{8} + 4 x^{7} + 4 x^{6} + 4 x^{5} + 4 x^{4} + 6 x^{3} + 6 x^{2} + 5 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A315725
Score: 4.84984
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 6 x^{10} + 6 x^9 + 4 x^8 + 4 x^7 + 4 x^6 + 4 x^5 + 4 x^4 + 6 x^3 + 6 x^2 + 5 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315726
Score: 4.23998
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 2 x^8 + 4 x^7 + 4 x^5 + 4 x^3 + 2 x^2 + 4 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A315726
Score: 4.37084
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 2 x^8 + 4 x^7 + 4 x^5 + 4 x^3 + 2 x^2 + 4 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A315727
Score: 4.77844
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + x^6 + x^5 + 2 x^4 + x^3 + x^2 + 4 x + 1}{(x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315727
Score: 6.30078
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + x^6 + x^5 + 2 x^4 + x^3 + x^2 + 4 x + 1}{(x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315728
Score: 3.38792
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 6 x^{10} + 6 x^{9} + 4 x^{8} + 4 x^{7} + 6 x^{6} + 4 x^{5} + 4 x^{4} + 6 x^{3} + 6 x^{2} + 5 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A315728
Score: 4.84984
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 6 x^{10} + 6 x^{9} + 4 x^{8} + 4 x^{7} + 6 x^{6} + 4 x^{5} + 4 x^{4} + 6 x^{3} + 6 x^{2} + 5 x + 1) / ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A315729
Score: 5.07730
Type of gen. func.: ogf

$$\frac{x^{8} + 4 x^{7} + 2 x^{6} + 4 x^{5} + 4 x^{3} + 2 x^{2} + 4 x + 1}{(x^{4} + 1) (x^{2} + 1) (x - 1)^{2}}$$

Sequence: A315729
Score: 6.3354
Type of gen. func.: ogf

$$\frac{x^{8} + 4 x^{7} + 2 x^{6} + 4 x^{5} + 4 x^{3} + 2 x^{2} + 4 x + 1}{(x^{4} + 1) (x^{2} + 1) (x - 1)^{2}}$$

Sequence: A315730
Score: 3.40664
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 6 x^{10} + 6 x^9 + 4 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 4 x^4 + 6 x^3 + 6 x^2 + 5 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315730
Score: 4.87663
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 6 x^{10} + 6 x^9 + 4 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 4 x^4 + 6 x^3 + 6 x^2 + 5 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315731
Score: 4.77267
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 6 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 4 x^4 + 6 x^3 + 6 x^2 + 5 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315731
Score: 5.63701
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + 6 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 4 x^4 + 6 x^3 + 6 x^2 + 5 x + 1}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315732
Score: 4.28683

Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + 2 x^{8} + 4 x^{7} + 6 x^{5} + 4 x^{3} + 2 x^{2} + 4 x + 1}{(x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A315732
Score: 4.41914
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + 2 x^{8} + 4 x^{7} + 6 x^{5} + 4 x^{3} + 2 x^{2} + 4 x + 1}{(x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A315733
Score: 3.42536
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 6 x^{10} + 6 x^{9} + 4 x^{8} + 6 x^{7} + 6 x^{6} + 6 x^{5} + 4 x^{4} + 6 x^{3} + 6 x^{2} + 5 x + 1) \Big/ ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A315733
Score: 4.90342
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 6 x^{10} + 6 x^{9} + 4 x^{8} + 6 x^{7} + 6 x^{6} + 6 x^{5} + 4 x^{4} + 6 x^{3} + 6 x^{2} + 5 x + 1) \Big/ ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A315734
Score: 5.07731
Type of gen. func.: ogf

$$\frac{x^8 + 5 x^7 + 6 x^6 + 6 x^5 + 4 x^4 + 6 x^3 + 6 x^2 + 5 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315734
Score: 6.56789
Type of gen. func.: ogf

$$\frac{x^8 + 5 x^7 + 6 x^6 + 6 x^5 + 4 x^4 + 6 x^3 + 6 x^2 + 5 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315735
Score: 3.47096
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 2 x^{10} + 4 x^9 + x^8 + 3 x^7 + x^6 + 3 x^5 + x^4 + 4 x^3 + 2 x^2 + 4 x + 1) \Big/ \left((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2\right)$$

Sequence: A315736
Score: 3.38792
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 6 x^{10} + 6 x^9 + 5 x^8 + 4 x^7 + 4 x^6 + 4 x^5 + 5 x^4 + 6 x^3 + 6 x^2 + 5 x + 1) \Big/ \left((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2\right)$$

Sequence: A315736
Score: 4.84984
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 6 x^{10} + 6 x^9 + 5 x^8 + 4 x^7 + 4 x^6 + 4 x^5 + 5 x^4 + 6 x^3 + 6 x^2 + 5 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)$$

$(x - 1)^2)$

Sequence: A315737
Score: 3.99993
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + 2 x^{8} + 4 x^{7} + x^{6} + 3 x^{5} + x^{4} + 4 x^{3} + 2 x^{2} + 4 x + 1}{(x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A315738
Score: 4.74659
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^{9} + 6 x^{8} + 5 x^{7} - 2 x^{5} + 5 x^{3} + 6 x^{2} + 5 x + 1}{(x^{2} + x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A315738
Score: 4.97894
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^{9} + 6 x^{8} + 5 x^{7} - 2 x^{5} + 5 x^{3} + 6 x^{2} + 5 x + 1}{(x^{2} + x + 1) (x^{2} + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A315739
Score: 4.77267
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^{9} + 6 x^{8} + 6 x^{7} + 5 x^{6} + 4 x^{5} + 5 x^{4} + 6 x^{3} + 6 x^{2} + 5 x + 1}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A315739
Score: 5.63701
Type of gen. func.: ogf

$$\frac{x^{10}+5x^9+6x^8+6x^7+5x^6+4x^5+5x^4+6x^3+6x^2+5x+1}{(x^2+x+1)(x^6+x^3+1)(x-1)^2}$$

Sequence: A315740
Score: 3.40664
Type of gen. func.: ogf

$$(x^{12}+5x^{11}+6x^{10}+6x^9+5x^8+5x^7+4x^6+5x^5+5x^4+6x^3+6x^2+5x+1) \Big/ ((x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2)$$

Sequence: A315740
Score: 4.87663
Type of gen. func.: ogf

$$(x^{12}+5x^{11}+6x^{10}+6x^9+5x^8+5x^7+4x^6+5x^5+5x^4+6x^3+6x^2+5x+1) \Big/ ((x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2)$$

Sequence: A315741
Score: 6.30078
Type of gen. func.: ogf

$$\frac{x^8+4x^7+x^6-x^4+x^2+4x+1}{(x^2+1)(x^4-x^2+1)(x-1)^2}$$

Sequence: A315741
Score: 6.53200
Type of gen. func.: ogf

8 7 6 4 2

```
                       x  + 4 x  + x  - x  + x  + 4 x + 1
                       ----------------------------------
                          2        4    2             2
                        (x  + 1) (x  - x  + 1) (x - 1)
```

Sequence: A315742
Score: 4.02191
Type of gen. func.: ogf

```
        10      9      8      7    6      5    4      3      2
       x   + 4 x  + 2 x  + 4 x  + x  + 4 x  + x  + 4 x  + 2 x  + 4 x + 1
       -----------------------------------------------------------------
              4    3    2            4    3    2                 2
            (x  + x  + x  + x + 1) (x  - x  + x  - x + 1) (x - 1)
```

Sequence: A315743
Score: 3.42536
Type of gen. func.: ogf

```
  12      11      10      9      8      7      6      5      4      3      2
(x   + 5 x   + 6 x   + 6 x  + 5 x  + 5 x  + 6 x  + 5 x  + 5 x  + 6 x  + 6 x

                  /    10    9    8    7    6    5    4    3    2
     + 5 x + 1)  /  ((x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1)
                /

           2
    (x - 1) )
```

Sequence: A315743
Score: 4.90342
Type of gen. func.: ogf

```
  12      11      10      9      8      7      6      5      4      3      2
(x   + 5 x   + 6 x   + 6 x  + 5 x  + 5 x  + 6 x  + 5 x  + 5 x  + 6 x  + 6 x

                  /    10    9    8    7    6    5    4    3    2
     + 5 x + 1)  /  ((x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1)
                /

           2
    (x - 1) )
```

Sequence: A315744
Score: 3.50931
Type of gen. func.: ogf

```
  12      11      10      9    8      7      6      5    4      3      2
(x   + 4 x   + 2 x   + 4 x  + x  + 4 x  + 2 x  + 4 x  + x  + 4 x  + 2 x  + 4 x

            /    2        4    2        2            2                 2
```

$$+ 1) \Big/ ((x + 1) (x - x + 1) (x - x + 1) (x + x + 1) (x - 1))$$

Sequence: A315745
Score: 4.80470
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 2 x^6 + 4 x^5 + x^4 + 4 x^3 + 2 x^2 + 4 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A315745
Score: 5.91653
Type of gen. func.: ogf

$$\frac{x^8 + 4 x^7 + 2 x^6 + 4 x^5 + x^4 + 4 x^3 + 2 x^2 + 4 x + 1}{(x^4 + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A315746
Score: 3.42536
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 6 x^{10} + 6 x^9 + 5 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 5 x^4 + 6 x^3 + 6 x^2 + 5 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315746
Score: 4.90342
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 6 x^{10} + 6 x^9 + 5 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 5 x^4 + 6 x^3 + 6 x^2 + 5 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315747
Score: 6.11880
Type of gen. func.: ogf

$$\frac{x^8 + 5x^7 + 5x^6 - 5x^4 + 5x^2 + 5x + 1}{(x^2 + x + 1)(x^4 - x^2 + 1)(x - 1)^2}$$

Sequence: A315747
Score: 6.11881
Type of gen. func.: ogf

$$\frac{x^8 + 5x^7 + 5x^6 - 5x^4 + 5x^2 + 5x + 1}{(x^2 + x + 1)(x^4 - x^2 + 1)(x - 1)^2}$$

Sequence: A315748
Score: 4.77267
Type of gen. func.: ogf

$$\frac{x^{10} + 5x^9 + 6x^8 + 6x^7 + 5x^6 + 6x^5 + 5x^4 + 6x^3 + 6x^2 + 5x + 1}{(x^2 + x + 1)(x^6 + x^3 + 1)(x - 1)^2}$$

Sequence: A315748
Score: 5.63701
Type of gen. func.: ogf

$$\frac{x^{10} + 5x^9 + 6x^8 + 6x^7 + 5x^6 + 6x^5 + 5x^4 + 6x^3 + 6x^2 + 5x + 1}{(x^2 + x + 1)(x^6 + x^3 + 1)(x - 1)^2}$$

Sequence: A315749
Score: 4.02191
Type of gen. func.: ogf

$$x^{10} + 4x^9 + 2x^8 + 4x^7 + x^6 + 5x^5 + x^4 + 4x^3 + 2x^2 + 4x + 1$$

$$(x^4 + x^3 + x^2 + x + 1)\,(x^4 - x^3 + x^2 - x + 1)\,(x - 1)^2$$

Sequence: A315750
Score: 3.42536
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 6 x^{10} + 6 x^9 + 5 x^8 + 6 x^7 + 6 x^6 + 6 x^5 + 5 x^4 + 6 x^3 + 6 x^2 + 5 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315750
Score: 4.90342
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 6 x^{10} + 6 x^9 + 5 x^8 + 6 x^7 + 6 x^6 + 6 x^5 + 5 x^4 + 6 x^3 + 6 x^2 + 5 x + 1) \Big/ ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315751
Score: 3.50931
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 2 x^{10} + 4 x^9 + x^8 + 5 x^7 + x^6 + 5 x^5 + x^4 + 4 x^3 + 2 x^2 + 4 x + 1) \Big/ ((x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2)$$

Sequence: A315753
Score: 3.99944
Type of gen. func.: ogf

$$(x^{14} + 6 x^{13} + 12 x^{12} + 17 x^{11} + 18 x^{10} + 12 x^9 + 18 x^8 + 18 x^7 + 18 x^6 + 12 x^5$$

$$\;^{4} \qquad ^{3} \qquad ^{2} \qquad\qquad / \quad ^{2}$$

$$+ 18 x + 17 x + 12 x + 6 x + 1) / ((x + x + 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315754
Score: 3.50733
Type of gen. func.: ogf

$$(x^{10} + 3 x^9 - x^8 + 5 x^7 - 3 x^6 + 5 x^5 - 3 x^4 + 5 x^3 - x^2 + 3 x + 1) (x + 1)^2 / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315754
Score: 4.87663
Type of gen. func.: ogf

$$(x^{10} + 3 x^9 - x^8 + 5 x^7 - 3 x^6 + 5 x^5 - 3 x^4 + 5 x^3 - x^2 + 3 x + 1) (x + 1)^2 / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315755
Score: 4.02191
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 2 x^8 + 4 x^7 + 2 x^6 + 2 x^5 + 2 x^4 + 4 x^3 + 2 x^2 + 4 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A315756
Score: 3.42536
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 6 x^{10} + 6 x^9 + 6 x^8 + 4 x^7 + 6 x^6 + 4 x^5 + 6 x^4 + 6 x^3 + 6 x^2 + 5 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315756
Score: 4.90342
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 6 x^{10} + 6 x^9 + 6 x^8 + 4 x^7 + 6 x^6 + 4 x^5 + 6 x^4 + 6 x^3 + 6 x^2 + 5 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315757
Score: 4.93724
Type of gen. func.: ogf

$$\frac{(x^8 + 3 x^7 - x^6 + 5 x^5 - 3 x^4 + 5 x^3 - x^2 + 3 x + 1) (x + 1)^2}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315757
Score: 5.63701
Type of gen. func.: ogf

$$\frac{(x^8 + 3 x^7 - x^6 + 5 x^5 - 3 x^4 + 5 x^3 - x^2 + 3 x + 1) (x + 1)^2}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315758
Score: 4.06850
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^9 - 2 x^8 + 3 x^7 + x^6 - x^5 + x^4 + 3 x^3 - 2 x^2 + 3 x + 1}{(x^2 + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A315758
Score: 4.28909

Type of gen. func.: ogf

$$\frac{x^{10}+3x^{9}-2x^{8}+3x^{7}+x^{6}-x^{5}+x^{4}+3x^{3}-2x^{2}+3x+1}{(x^{2}+1)(x^{2}-x+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A315759
Score: 3.42536
Type of gen. func.: ogf

$$(x^{12}+5x^{11}+6x^{10}+6x^{9}+6x^{8}+5x^{7}+4x^{6}+5x^{5}+6x^{4}+6x^{3}+6x^{2}+5x+1) / ((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2})$$

Sequence: A315759
Score: 4.90342
Type of gen. func.: ogf

$$(x^{12}+5x^{11}+6x^{10}+6x^{9}+6x^{8}+5x^{7}+4x^{6}+5x^{5}+6x^{4}+6x^{3}+6x^{2}+5x+1) / ((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2})$$

Sequence: A315760
Score: 4.6487
Type of gen. func.: ogf

$$\frac{x^{10}+4x^{9}+x^{8}+x^{6}+3x^{5}+x^{4}+x^{2}+4x+1}{(x^{2}+x+1)(x^{2}-x+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A315760
Score: 4.74106
Type of gen. func.: ogf

$$\frac{x^{10}+4x^{9}+x^{8}+x^{6}+3x^{5}+x^{4}+x^{2}+4x+1}{(x^{2}+x+1)(x^{2}-x+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A315761
Score: 4.02191
Type of gen. func.: ogf

$$\frac{x^{10}+4x^{9}+2x^{8}+4x^{7}+2x^{6}+3x^{5}+2x^{4}+4x^{3}+2x^{2}+4x+1}{(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)(x-1)^{2}}$$

Sequence: A315762
Score: 3.5266
Type of gen. func.: ogf

$$(x^{10}+3x^{9}-x^{8}+5x^{7}-3x^{6}+6x^{5}-3x^{4}+5x^{3}-x^{2}+3x+1)(x+1)^{2} \Big/ \left((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}\right)$$

Sequence: A315762
Score: 4.90342
Type of gen. func.: ogf

$$(x^{10}+3x^{9}-x^{8}+5x^{7}-3x^{6}+6x^{5}-3x^{4}+5x^{3}-x^{2}+3x+1)(x+1)^{2} \Big/ \left((x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}\right)$$

Sequence: A315763
Score: 4.31265
Type of gen. func.: ogf

$$\frac{x^{10}+5x^{9}+6x^{8}+5x^{7}+x^{6}-x^{5}+x^{4}+5x^{3}+6x^{2}+5x+1}{(x^{2}+x+1)(x^{2}+1)(x^{4}-x^{2}+1)(x-1)^{2}}$$

Sequence: A315763
Score: 4.50252
Type of gen. func.: ogf

$$\frac{x^{10}+5x^9+6x^8+5x^7+x^6-x^5+x^4+5x^3+6x^2+5x+1}{(x^2+x+1)(x^2+1)(x^4-x^2+1)(x-1)^2}$$

Sequence: A315764
Score: 3.80798
Type of gen. func.: ogf

$$(x^{12}+5x^{11}+6x^{10}+7x^9+11x^8+11x^7+2x^6+11x^5+11x^4+7x^3+6x^2+5x+1) / ((x^4+x^3+x^2+x+1)(x^6+x^3+1)(x-1)^2)$$

Sequence: A315765
Score: 3.61566
Type of gen. func.: ogf

$$(x^{12}+5x^{11}+7x^{10}+11x^9+13x^8+16x^7+8x^6+16x^5+13x^4+11x^3+7x^2+5x+1) / ((x^2+1)(x^4+x^3+x^2+x+1)(x^4+1)(x-1)^2)$$

Sequence: A315767
Score: 3.42536
Type of gen. func.: ogf

$$(x^{12}+5x^{11}+6x^{10}+6x^9+6x^8+6x^7+4x^6+6x^5+6x^4+6x^3+6x^2+5x+1) / ((x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2)$$

Sequence: A315767
Score: 4.90342
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 6 x^{10} + 6 x^9 + 6 x^8 + 6 x^7 + 4 x^6 + 6 x^5 + 6 x^4 + 6 x^3 + 6 x^2 + 5 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A315768
Score: 3.52849
Type of gen. func.: ogf

$$(x^{12} + 4 x^{11} + 2 x^{10} + 4 x^9 + 2 x^8 + 4 x^7 + x^6 + 4 x^5 + 2 x^4 + 4 x^3 + 2 x^2 + 4 x + 1) / ((x^2 + 1) (x^4 - x^2 + 1) (x^2 - x + 1) (x^2 + x + 1) (x - 1)^2)$$

Sequence: A315785
Score: 4.05091
Type of gen. func.: ogf

$$\frac{x^{12} + 5 x^{11} + 7 x^9 + 11 x^8 + 5 x^7 + 2 x^6 + 11 x^5 + 5 x^4 + 7 x^3 + 5 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A315788
Score: 3.86757
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + x^8 + 11 x^7 + 6 x^6 + 6 x^5 + 6 x^4 + 11 x^3 + x^2 + 5 x + 1}{(x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315788
Score: 4.22789
Type of gen. func.: ogf

$$\frac{x^{10} + 5 x^9 + x^8 + 11 x^7 + 6 x^6 + 6 x^5 + 6 x^4 + 11 x^3 + x^2 + 5 x + 1}{(x^2 + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315793
Score: 3.66232
Type of gen. func.: ogf

$$-(6 x^{14} - x^{12} - 12 x^{11} - 24 x^{9} - 18 x^{8} - 30 x^{7} - 22 x^{6} - 24 x^{5} - 18 x^{4} - 12 x^{3} - 6 x^{2} - 6 x - 1) / ((x - 1)^{2} (x + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2})$$

Sequence: A315793
Score: 4.62091
Type of gen. func.: ogf

$$-(6 x^{14} - x^{12} - 12 x^{11} - 24 x^{9} - 18 x^{8} - 30 x^{7} - 22 x^{6} - 24 x^{5} - 18 x^{4} - 12 x^{3} - 6 x^{2} - 6 x - 1) / ((x - 1)^{2} (x + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2})$$

Sequence: A315796
Score: 5.15807
Type of gen. func.: ogf

$$-\frac{6 x^{10} - x^{8} - 12 x^{7} - 12 x^{6} - 18 x^{5} - 16 x^{4} - 12 x^{3} - 6 x^{2} - 6 x - 1}{(x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2}}$$

Sequence: A315796
Score: 5.85160
Type of gen. func.: ogf

$$-\frac{6 x^{10} - x^{8} - 12 x^{7} - 12 x^{6} - 18 x^{5} - 16 x^{4} - 12 x^{3} - 6 x^{2} - 6 x - 1}{(x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2}}$$

Sequence: A315797
Score: 3.68434
Type of gen. func.: ogf

$$-(6x^{14}-x^{12}-12x^{11}-6x^{10}-22x^{9}-11x^{8}-24x^{7}-22x^{6}-20x^{5}-19x^{4}-12x^{3}-6x^{2}-6x-1)\Big/\left((x^{4}+1)(x-1)^{2}(x+1)^{2}(x^{2}+1)^{2}\right)$$

Sequence: A315797
Score: 4.19482
Type of gen. func.: ogf

$$-(6x^{14}-x^{12}-12x^{11}-6x^{10}-22x^{9}-11x^{8}-24x^{7}-22x^{6}-20x^{5}-19x^{4}-12x^{3}-6x^{2}-6x-1)\Big/\left((x^{4}+1)(x-1)^{2}(x+1)^{2}(x^{2}+1)^{2}\right)$$

Sequence: A315798
Score: 3.68313
Type of gen. func.: ogf

$$-(6x^{14}-x^{12}-12x^{11}-24x^{9}-21x^{8}-30x^{7}-22x^{6}-24x^{5}-21x^{4}-12x^{3}-6x^{2}-6x-1)\Big/\left((x-1)^{2}(x+1)^{2}(x^{2}+x+1)^{2}(x^{2}-x+1)^{2}\right)$$

Sequence: A315798
Score: 4.64717
Type of gen. func.: ogf

$$-(6x^{14}-x^{12}-12x^{11}-24x^{9}-21x^{8}-30x^{7}-22x^{6}-24x^{5}-21x^{4}-12x^{3}-6x^{2}-6x-1)\Big/\left((x-1)^{2}(x+1)^{2}(x^{2}+x+1)^{2}(x^{2}-x+1)^{2}\right)$$

Sequence: A315801
Score: 4.43529
Type of gen. func.: ogf

$$-\frac{6x^{10}-7x^{8}-12x^{7}+x^{6}-12x^{5}-18x^{4}-6x^{3}-5x^{2}-6x-1}{(x^{2}+x+1)(x^{2}-x+1)(x+1)^{2}(x-1)^{2}}$$

Sequence: A315801
Score: 5.57072
Type of gen. func.: ogf

$$-\frac{6x^{10}-7x^{8}-12x^{7}+x^{6}-12x^{5}-18x^{4}-6x^{3}-5x^{2}-6x-1}{(x^{2}+x+1)(x^{2}-x+1)(x+1)^{2}(x-1)^{2}}$$

Sequence: A315808
Score: 4.8148
Type of gen. func.: ogf

$$\frac{x^{8}+5x^{7}+x^{6}+13x^{5}+2x^{4}+13x^{3}+x^{2}+5x+1}{(x^{2}+1)(x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A315808
Score: 4.81480
Type of gen. func.: ogf

$$\frac{x^{8}+5x^{7}+x^{6}+13x^{5}+2x^{4}+13x^{3}+x^{2}+5x+1}{(x^{2}+1)(x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A315809
Score: 3.11184
Type of gen. func.: ogf

$$(x^{12}+5x^{11}+x^{10}+13x^{9}-4x^{8}+16x^{7}-4x^{6}+16x^{5}-4x^{4}+13x^{3}+x^{2}+5x+1) \Big/ ((x^{2}+x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)(x-1)^{2})$$

Sequence: A315816
Score: 3.43025
Type of gen. func.: ogf

$$\left(x^{14} + 6 x^{13} + 6 x^{12} + 18 x^{11} + 12 x^{10} + 30 x^{9} + 18 x^{8} + 40 x^{7} + 18 x^{6} + 30 x^{5} + 12 x^{4} + 18 x^{3} + 6 x^{2} + 6 x + 1\right) \Big/ \left((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2}\right)$$

Sequence: A315816
Score: 4.14488
Type of gen. func.: ogf

$$\left(x^{14} + 6 x^{13} + 6 x^{12} + 18 x^{11} + 12 x^{10} + 30 x^{9} + 18 x^{8} + 40 x^{7} + 18 x^{6} + 30 x^{5} + 12 x^{4} + 18 x^{3} + 6 x^{2} + 6 x + 1\right) \Big/ \left((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2}\right)$$

Sequence: A315817
Score: 4.7104
Type of gen. func.: ogf

$$\left(x^{10} + 6 x^{9} + 6 x^{8} + 18 x^{7} + 12 x^{6} + 28 x^{5} + 12 x^{4} + 18 x^{3} + 6 x^{2} + 6 x + 1\right) \Big/ \left((x - 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2}\right)$$

Sequence: A315817
Score: 5.40959
Type of gen. func.: ogf

$$\left(x^{10} + 6 x^{9} + 6 x^{8} + 18 x^{7} + 12 x^{6} + 28 x^{5} + 12 x^{4} + 18 x^{3} + 6 x^{2} + 6 x + 1\right) \Big/ \left((x - 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2}\right)$$

Sequence: A315818
Score: 3.16518
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + x^{10} + 16 x^{9} - 4 x^{8} + 16 x^{7} - 4 x^{6} + 16 x^{5} - 4 x^{4} + 16 x^{3} + x^{2} + 5 x + 1) / ((x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2})$$

Sequence: A315823
Score: 3.82651
Type of gen. func.: ogf

$$(x^{12} + 6 x^{11} + 6 x^{10} + 18 x^{9} + 24 x^{8} + 18 x^{7} + 34 x^{6} + 18 x^{5} + 24 x^{4} + 18 x^{3} + 6 x^{2} + 6 x + 1) / ((x - 1)^{2} (x + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2})$$

Sequence: A315823
Score: 4.73143
Type of gen. func.: ogf

$$(x^{12} + 6 x^{11} + 6 x^{10} + 18 x^{9} + 24 x^{8} + 18 x^{7} + 34 x^{6} + 18 x^{5} + 24 x^{4} + 18 x^{3} + 6 x^{2} + 6 x + 1) / ((x - 1)^{2} (x + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2})$$

Sequence: A315828
Score: 4.47859
Type of gen. func.: ogf

$$\frac{x^{10} + 6 x^{9} + 6 x^{8} + 6 x^{7} + 12 x^{6} + 16 x^{5} + 12 x^{4} + 6 x^{3} + 6 x^{2} + 6 x + 1}{(x - 1)^{2} (x^{4} + x^{3} + x^{2} + x + 1)^{2}}$$

Sequence: A315828
Score: 5.15393
Type of gen. func.: ogf

$$x^{10} + 6 x^{9} + 6 x^{8} + 6 x^{7} + 12 x^{6} + 16 x^{5} + 12 x^{4} + 6 x^{3} + 6 x^{2} + 6 x + 1$$

----

2   4   3   2   2

$$(x - 1) (x + x + x + x + 1)$$

Sequence: A315832
Score: 4.69443
Type of gen. func.: ogf

$$\frac{(x^8 + 5 x^7 + x^6 + 5 x^5 + 8 x^4 + 5 x^3 + x^2 + 5 x + 1) (x^2 + x + 1)}{(x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2}$$

Sequence: A315832
Score: 5.31790
Type of gen. func.: ogf

$$\frac{(x^8 + 5 x^7 + x^6 + 5 x^5 + 8 x^4 + 5 x^3 + x^2 + 5 x + 1) (x^2 + x + 1)}{(x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2}$$

Sequence: A315840
Score: 3.37508
Type of gen. func.: ogf

$$(x^2 + 1) (x^{12} + 5 x^{11} + x^{10} + 7 x^9 + 4 x^8 + 8 x^7 + 6 x^6 + 8 x^5 + 4 x^4 + 7 x^3 + x^2 + 5 x + 1) \Big/ ((x^2 - x + 1) (x^6 + x^3 + 1) (x - 1)^2 (x^2 + x + 1)^2)$$

Sequence: A315847
Score: 7.40787
Type of gen. func.: ogf

$$\frac{x^6 + 6 x^5 + 7 x^4 + 16 x^3 + 7 x^2 + 6 x + 1}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A315847
Score: 7.73711
Type of gen. func.: ogf

$$\frac{x^6 + 6 x^5 + 7 x^4 + 16 x^3 + 7 x^2 + 6 x + 1}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A315850
Score: 3.4009
Type of gen. func.: ogf

$$(x^{12} + 6 x^{11} + 8 x^{10} + 9 x^9 + 7 x^8 + 15 x^7 + 18 x^6 + 15 x^5 + 7 x^4 + 9 x^3 + 8 x^2 + 6 x + 1) \Big/ ((x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1) (x^4 + 1) (x - 1)^2)$$

Sequence: A315858
Score: 3.31462
Type of gen. func.: ogf

$$(x^{14} + 6 x^{13} + 8 x^{12} + 12 x^{11} + 14 x^{10} + 18 x^9 + 24 x^8 + 28 x^7 + 20 x^6 + 18 x^5 + 14 x^4 + 12 x^3 + 8 x^2 + 6 x + 1) \Big/ ((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A315858
Score: 4.00516
Type of gen. func.: ogf

$$(x^{14} + 6 x^{13} + 8 x^{12} + 12 x^{11} + 14 x^{10} + 18 x^9 + 24 x^8 + 28 x^7 + 20 x^6 + 18 x^5 + 14 x^4 + 12 x^3 + 8 x^2 + 6 x + 1) \Big/ ((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A315860
Score: 4.65717
Type of gen. func.: ogf

10 9 8 7 6 5 4 3 2

```
(x   + 6 x  + 8 x  + 12 x  + 16 x  + 20 x  + 14 x  + 12 x  + 8 x  + 6 x + 1)

       /          2   4    3    2          2
      /  ((x - 1)  (x  + x  + x  + x + 1) )
     /
```

Sequence: A315860
Score: 5.34847
Type of gen. func.: ogf

$$(x^{10} + 6 x^9 + 8 x^8 + 12 x^7 + 16 x^6 + 20 x^5 + 14 x^4 + 12 x^3 + 8 x^2 + 6 x + 1) / ((x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A315872
Score: 5.22576
Type of gen. func.: ogf

$$- \frac{2 x^{10} - x^8 - 8 x^7 - 10 x^6 - 14 x^5 - 20 x^4 - 12 x^3 - 8 x^2 - 6 x - 1}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A315872
Score: 5.93434
Type of gen. func.: ogf

$$- \frac{2 x^{10} - x^8 - 8 x^7 - 10 x^6 - 14 x^5 - 20 x^4 - 12 x^3 - 8 x^2 - 6 x - 1}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A315874
Score: 4.74839
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^8 + 5 x^7 + 2 x^6 + 6 x^5 + 8 x^4 + 6 x^3 + 2 x^2 + 5 x + 1)}{(x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2}$$

Sequence: A315874
Score: 5.37903
Type of gen. func.: ogf

$$\frac{(x^2+x+1)\,(x^8+5x^7+2x^6+6x^5+8x^4+6x^3+2x^2+5x+1)}{(x-1)^2\,(x^4+x^3+x^2+x+1)}$$

Sequence: A315875
Score: 3.84646
Type of gen. func.: ogf

$$(x^{14}+4x^{13}-x^{12}+11x^{11}-3x^{10}+17x^9-5x^8+23x^7-7x^6+19x^5-4x^4+11x^3-x^2+4x+1) \Big/ \left((x-1)^2\,(x^2+1)^2\,(x^4+1)^2\right)$$

Sequence: A315886
Score: 4.88309
Type of gen. func.: ogf

$$\frac{(x^6+5x^5+x^4+x^3+x^2+5x+1)\,(x^2+1)}{(x^6+x^5+x^4+x^3+x^2+x+1)\,(x-1)^2}$$

Sequence: A315886
Score: 6.31666
Type of gen. func.: ogf

$$\frac{(x^6+5x^5+x^4+x^3+x^2+5x+1)\,(x^2+1)}{(x^6+x^5+x^4+x^3+x^2+x+1)\,(x-1)^2}$$

Sequence: A315889
Score: 6.35255
Type of gen. func.: ogf

$$\frac{x^6+5x^5+2x^4+6x^3+2x^2+5x+1}{(x^4+x^3+x^2+x+1)\,(x-1)^2}$$

Sequence: A315889
Score: 7.44546
Type of gen. func.: ogf

$$\frac{x^6 + 5 x^5 + 2 x^4 + 6 x^3 + 2 x^2 + 5 x + 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A315891
Score: 3.46214
Type of gen. func.: ogf

$$- (2 x^{17} - 2 x^{16} + x^{13} - 7 x^{12} - 2 x^{11} - 8 x^{10} - 2 x^9 - 11 x^8 - 7 x^7 - 9 x^6 - 9 x^5 - 4 x^4 - 6 x^3 - 2 x^2 - 5 x - 1) / ((x + 1) (x^2 + 1) (x - 1)^2 (x^4 + 1)^2)$$

Sequence: A315892
Score: 3.76238
Type of gen. func.: ogf

$$(x^{12} + 6 x^{11} + 8 x^{10} + 14 x^9 + 18 x^8 + 22 x^7 + 26 x^6 + 20 x^5 + 18 x^4 + 14 x^3 + 8 x^2 + 6 x + 1) / ((x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2)$$

Sequence: A315892
Score: 4.65214
Type of gen. func.: ogf

$$(x^{12} + 6 x^{11} + 8 x^{10} + 14 x^9 + 18 x^8 + 22 x^7 + 26 x^6 + 20 x^5 + 18 x^4 + 14 x^3 + 8 x^2 + 6 x + 1) / ((x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2)$$

Sequence: A315902
Score: 3.70504
Type of gen. func.: ogf

$$-(4 x^{14} - x^{12} - 10 x^{11} - 8 x^{10} - 18 x^{9} - 17 x^{8} - 20 x^{7} - 18 x^{6} - 20 x^{5} - 17 x^{4} - 14 x^{3} - 8 x^{2} - 6 x - 1) / ((x^{4} + 1) (x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2})$$

Sequence: A315902
Score: 4.21839
Type of gen. func.: ogf

$$-(4 x^{14} - x^{12} - 10 x^{11} - 8 x^{10} - 18 x^{9} - 17 x^{8} - 20 x^{7} - 18 x^{6} - 20 x^{5} - 17 x^{4} - 14 x^{3} - 8 x^{2} - 6 x - 1) / ((x^{4} + 1) (x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2})$$

Sequence: A315903
Score: 3.93400
Type of gen. func.: ogf

$$-(4 x^{16} - x^{14} - 10 x^{13} - 4 x^{12} - 18 x^{11} - 22 x^{10} - 26 x^{9} - 30 x^{8} - 34 x^{7} - 26 x^{6} - 26 x^{5} - 18 x^{4} - 14 x^{3} - 8 x^{2} - 6 x - 1) / ((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A315905
Score: 3.55458
Type of gen. func.: ogf

$$-(4 x^{14} - x^{12} - 10 x^{11} - 4 x^{10} - 22 x^{9} - 18 x^{8} - 30 x^{7} - 26 x^{6} - 26 x^{5} - 18 x^{4} - 14 x^{3} - 8 x^{2} - 6 x - 1) / ((x - 1)^{2} (x + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2})$$

Sequence: A315905

Score: 4.43197
Type of gen. func.: ogf

$$-(4 x^{14} - x^{12} - 10 x^{11} - 4 x^{10} - 22 x^{9} - 18 x^{8} - 30 x^{7} - 26 x^{6} - 26 x^{5} - 18 x^{4} - 14 x^{3} - 8 x^{2} - 6 x - 1) / ((x - 1)^{2} (x + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2})$$

Sequence: A315907
Score: 5.39799
Type of gen. func.: ogf

$$(23 f(x) + 71) (f(x) x^{4} - f(x) x^{3} - x^{4} - 5 x^{3} - f(x) x - 2 x^{2} + f(x) - 5 x - 1)$$

Sequence: A315907
Score: 9.04338
Type of gen. func.: ogf

$$\frac{(x^{2} + 1) (x^{2} + 5 x + 1)}{(x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A315909
Score: 3.44952
Type of gen. func.: ogf

$$(x^{14} + 6 x^{13} + 8 x^{12} + 14 x^{11} + 20 x^{10} + 24 x^{9} + 28 x^{8} + 32 x^{7} + 26 x^{6} + 24 x^{5} + 20 x^{4} + 14 x^{3} + 8 x^{2} + 6 x + 1) / ((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1))$$

Sequence: A315909
Score: 4.16817
Type of gen. func.: ogf

$$(x^{14} + 6 x^{13} + 8 x^{12} + 14 x^{11} + 20 x^{10} + 24 x^{9} + 28 x^{8} + 32 x^{7} + 26 x^{6} + 24 x^{5}$$

$$+ 20 x^4 + 14 x^3 + 8 x^2 + 6 x + 1) / ((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A315913
Score: 4.00043
Type of gen. func.: ogf

$$- (2 x^{14} + 2 x^{12} - 5 x^{10} - 10 x^9 - 3 x^8 - 12 x^7 - 12 x^6 - 12 x^5 - 12 x^4 - 8 x^3 - 7 x^2 - 6 x - 1) / ((x^2 + 1) (x^4 + 1) (x + 1)^2 (x - 1)^2)$$

Sequence: A315913
Score: 4.59790
Type of gen. func.: ogf

$$- (2 x^{14} + 2 x^{12} - 5 x^{10} - 10 x^9 - 3 x^8 - 12 x^7 - 12 x^6 - 12 x^5 - 12 x^4 - 8 x^3 - 7 x^2 - 6 x - 1) / ((x^2 + 1) (x^4 + 1) (x + 1)^2 (x - 1)^2)$$

Sequence: A315916
Score: 5.24501
Type of gen. func.: ogf

$$- \frac{4 x^{10} - x^8 - 10 x^7 - 12 x^6 - 18 x^5 - 18 x^4 - 14 x^3 - 8 x^2 - 6 x - 1}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A315916
Score: 5.95022
Type of gen. func.: ogf

$$- \frac{4 x^{10} - x^8 - 10 x^7 - 12 x^6 - 18 x^5 - 18 x^4 - 14 x^3 - 8 x^2 - 6 x - 1}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A315925
Score: 3.93400
Type of gen. func.: ogf

$$(x^{10} + 6 x^{9} + 10 x^{8} + 25 x^{7} + 26 x^{6} + 39 x^{5} + 26 x^{4} + 25 x^{3} + 10 x^{2} + 6 x + 1) / ((x - 1)^{2} (x^{2} + 1)^{2} (x^{2} + x + 1)^{2})$$

Sequence: A315925
Score: 4.69968
Type of gen. func.: ogf

$$(x^{10} + 6 x^{9} + 10 x^{8} + 25 x^{7} + 26 x^{6} + 39 x^{5} + 26 x^{4} + 25 x^{3} + 10 x^{2} + 6 x + 1) / ((x - 1)^{2} (x^{2} + 1)^{2} (x^{2} + x + 1)^{2})$$

Sequence: A315930
Score: 3.36396
Type of gen. func.: ogf

$$(x^{12} + 6 x^{11} + 9 x^{10} + 21 x^{9} + 21 x^{8} + 32 x^{7} + 28 x^{6} + 32 x^{5} + 21 x^{4} + 21 x^{3} + 9 x^{2} + 6 x + 1) / ((x^{2} - x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2} (x^{2} + x + 1)^{2})$$

Sequence: A315932
Score: 4.00093
Type of gen. func.: ogf

$$- (2 x^{19} + 2 x^{17} - 2 x^{13} - 3 x^{12} - 8 x^{11} - 10 x^{10} - 16 x^{9} - 21 x^{8} - 22 x^{7} - 30 x^{6} - 22 x^{5} - 19 x^{4} - 16 x^{3} - 8 x^{2} - 6 x - 1) / ((x - 1)^{2} (x + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2})$$

Sequence: A315941
Score: 3.80572
Type of gen. func.: ogf

$$(x^{12} + 5 x^{11} + 3 x^{10} + 13 x^{9} + x^{8} + 20 x^{7} + 2 x^{6} + 20 x^{5} + x^{4} + 13 x^{3} + 3 x^{2} + 5 x + 1) \Big/ ((x^{2} - x + 1) (x^{4} + 1) (x - 1)^{2} (x^{2} + x + 1)^{2})$$

Sequence: A315942
Score: 3.82651
Type of gen. func.: ogf

$$(x^{12} + 6 x^{11} + 8 x^{10} + 18 x^{9} + 18 x^{8} + 22 x^{7} + 34 x^{6} + 22 x^{5} + 18 x^{4} + 18 x^{3} + 8 x^{2} + 6 x + 1) \Big/ ((x - 1)^{2} (x + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2})$$

Sequence: A315942
Score: 4.73143
Type of gen. func.: ogf

$$(x^{12} + 6 x^{11} + 8 x^{10} + 18 x^{9} + 18 x^{8} + 22 x^{7} + 34 x^{6} + 22 x^{5} + 18 x^{4} + 18 x^{3} + 8 x^{2} + 6 x + 1) \Big/ ((x - 1)^{2} (x + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2})$$

Sequence: A315943
Score: 7.49111
Type of gen. func.: ogf

$$\frac{x^{6} + 6 x^{5} + 8 x^{4} + 16 x^{3} + 8 x^{2} + 6 x + 1}{(x - 1)^{2} (x^{2} + x + 1)^{2}}$$

Sequence: A315943
Score: 7.82404
Type of gen. func.: ogf

```
                     6      5      4       3      2
```

$$\frac{x + 6 x + 8 x + 16 x + 8 x + 6 x + 1}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A315950
Score: 4.59466
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 - 4 x^6 + 8 x^5 - 4 x^4 + 8 x^3 - 4 x^2 + 3 x + 1}{(x^2 + x + 1) (x - 1)^2 (x^2 - x + 1)^2}$$

Sequence: A315950
Score: 5.30701
Type of gen. func.: ogf

$$\frac{x^8 + 3 x^7 - 4 x^6 + 8 x^5 - 4 x^4 + 8 x^3 - 4 x^2 + 3 x + 1}{(x^2 + x + 1) (x - 1)^2 (x^2 - x + 1)^2}$$

Sequence: A315953
Score: 4.27878
Type of gen. func.: ogf

$$(x^{14} + 4 x^{13} + 8 x^{11} - x^{10} + 12 x^9 - 2 x^8 + 19 x^7 - 2 x^6 + 12 x^5 - x^4 + 8 x^3 + 4 x + 1) \Big/ ((x - 1)^2 (x^2 + 1)^2 (x^4 + 1)^2)$$

Sequence: A315954
Score: 4.09831
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 8 x^7 - x^6 + 14 x^5 - x^4 + 8 x^3 + 4 x + 1}{(x - 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2}$$

Sequence: A315954

Score: 5.25585
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^{9} + 8 x^{7} - x^{6} + 14 x^{5} - x^{4} + 8 x^{3} + 4 x + 1}{(x - 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2}}$$

Sequence: A315956
Score: 3.74466
Type of gen. func.: ogf

$$- (6 x^{17} - 7 x^{12} - 6 x^{11} - 15 x^{10} - 5 x^{9} - 21 x^{8} - 15 x^{7} - 18 x^{6} - 15 x^{5} - 9 x^{4} - 11 x^{3} - 9 x^{2} - 6 x - 1) / ((x^{6} + x^{3} + 1) (x - 1)^{2} (x^{2} + x + 1)^{2})$$

Sequence: A315956
Score: 4.26983
Type of gen. func.: ogf

$$- (6 x^{17} - 7 x^{12} - 6 x^{11} - 15 x^{10} - 5 x^{9} - 21 x^{8} - 15 x^{7} - 18 x^{6} - 15 x^{5} - 9 x^{4} - 11 x^{3} - 9 x^{2} - 6 x - 1) / ((x^{6} + x^{3} + 1) (x - 1)^{2} (x^{2} + x + 1)^{2})$$

Sequence: A315958
Score: 4.16817
Type of gen. func.: ogf

$$- (6 x^{17} + 6 x^{14} - 7 x^{12} - 12 x^{11} - 15 x^{10} - 12 x^{9} - 30 x^{8} - 24 x^{7} - 22 x^{6} - 24 x^{5} - 18 x^{4} - 12 x^{3} - 9 x^{2} - 6 x - 1) / ((x - 1)^{2} (x + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2})$$

Sequence: A315959
Score: 4.7104
Type of gen. func.: ogf

10 9 8 7 6 5 4 3 2

```
(x   + 6 x  + 9 x  + 12 x  + 18 x  + 22 x  + 18 x  + 12 x  + 9 x  + 6 x + 1)

       /         2   4    3    2         2
      /  ((x - 1)  (x  + x  + x  + x + 1) )
     /
```

Sequence: A315959
Score: 5.40959
Type of gen. func.: ogf

```
  10      9      8       7       6       5       4       3      2
(x   + 6 x  + 9 x  + 12 x  + 18 x  + 22 x  + 18 x  + 12 x  + 9 x  + 6 x + 1)

       /         2   4    3    2         2
      /  ((x - 1)  (x  + x  + x  + x + 1) )
     /
```

Sequence: A315960
Score: 4.14214
Type of gen. func.: ogf

```
      13      12    10      9       8       7       6       5       4       3
- (3 x   + 3 x   - x   - 9 x  - 15 x  - 18 x  - 24 x  - 22 x  - 21 x  - 12 x

          2              /         2   4    3    2         2
     - 9 x  - 6 x - 1)  /  ((x - 1)  (x  + x  + x  + x + 1) )
                       /
```

Sequence: A315960
Score: 4.79023
Type of gen. func.: ogf

```
      13      12    10      9       8       7       6       5       4       3
- (3 x   + 3 x   - x   - 9 x  - 15 x  - 18 x  - 24 x  - 22 x  - 21 x  - 12 x

          2              /         2   4    3    2         2
     - 9 x  - 6 x - 1)  /  ((x - 1)  (x  + x  + x  + x + 1) )
                       /
```

Sequence: A315964
Score: 3.4085
Type of gen. func.: ogf

```
  15      14      13       12      11       10       9       8       7       6
(x   + 5 x   + 4 x   + 10 x   + 7 x   + 15 x   + 10 x  + 19 x  + 15 x  + 14 x

           5      4      3      2              /                 2   2     2
     + 12 x  + 9 x  + 9 x  + 4 x  + 5 x + 1)  /  ((x + 1) (x - 1)  (x  + 1)
                                             /

      4     2
```

```
    (x  + 1) )
```

```
Sequence:  A315965
Score: 4.07311
Type of gen. func.: ogf


  11      10      9       8      7       6       5      4      3      2
(x   + 5 x   + 4 x  + 10 x  + 7 x  + 14 x  + 12 x  + 9 x  + 9 x  + 4 x  + 5 x

            /                 2   2         2   2         2
     + 1)  /  ((x + 1) (x - 1)  (x  + x + 1)  (x  - x + 1) )
          /
```

```
Sequence:  A315966
Score: 3.89041
Type of gen. func.: ogf


    2              11      10      9      8       7       6       5       4
- (x  - x + 1) (2 x   + 4 x   + 2 x  - 3 x  - 13 x  - 23 x  - 27 x  - 24 x

           3       2              /         2   4    3    2         2
     - 21 x  - 15 x  - 7 x - 1)  /  ((x - 1)  (x  + x  + x  + x + 1) )
                                /
```

```
Sequence:  A315966
Score: 4.79023
Type of gen. func.: ogf


    2              11      10      9      8       7       6       5       4
- (x  - x + 1) (2 x   + 4 x   + 2 x  - 3 x  - 13 x  - 23 x  - 27 x  - 24 x

           3       2              /         2   4    3    2         2
     - 21 x  - 15 x  - 7 x - 1)  /  ((x - 1)  (x  + x  + x  + x + 1) )
                                /
```

```
Sequence:  A315967
Score: 3.43025
Type of gen. func.: ogf


  14      13      12       11       10       9       8       7       6       5
(x   + 6 x   + 9 x   + 13 x   + 19 x   + 21 x  + 26 x  + 32 x  + 26 x  + 21 x

           4       3      2              /         2
     + 19 x  + 13 x  + 9 x  + 6 x + 1)  /  ((x - 1)
                                       /

      6    5    4    3    2         2
    (x  + x  + x  + x  + x  + x + 1) )
```

Sequence: A315967
Score: 4.14488
Type of gen. func.: ogf

$$(x^{14} + 6 x^{13} + 9 x^{12} + 13 x^{11} + 19 x^{10} + 21 x^{9} + 26 x^{8} + 32 x^{7} + 26 x^{6} + 21 x^{5} + 19 x^{4} + 13 x^{3} + 9 x^{2} + 6 x + 1) / ((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A315970
Score: 3.55458
Type of gen. func.: ogf

$$(x^{2} + 1) (x^{12} + 6 x^{11} + 8 x^{10} + 8 x^{9} + 12 x^{8} + 15 x^{7} + 15 x^{6} + 17 x^{5} + 12 x^{4} + 7 x^{3} + 8 x^{2} + 6 x + 1) / ((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A315970
Score: 4.16817
Type of gen. func.: ogf

$$(x^{2} + 1) (x^{12} + 6 x^{11} + 8 x^{10} + 8 x^{9} + 12 x^{8} + 15 x^{7} + 15 x^{6} + 17 x^{5} + 12 x^{4} + 7 x^{3} + 8 x^{2} + 6 x + 1) / ((x - 1)^{2} (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)^{2})$$

Sequence: A315972
Score: 6.93319
Type of gen. func.: ogf

$$\frac{x^{6} + 4 x^{5} + 9 x^{3} + 4 x + 1}{(x - 1)^{2} (x^{2} + 1)^{2}}$$

Sequence: A315972
Score: 9.59249
Type of gen. func.: ogf

$$\frac{x^6 + 4 x^5 + 9 x^3 + 4 x + 1}{(x - 1)^2 (x^2 + 1)^2}$$

Sequence: A315975
Score: 3.41098
Type of gen. func.: ogf

$$(x^{14} + 6 x^{13} + 9 x^{12} + 14 x^{11} + 16 x^{10} + 21 x^9 + 26 x^8 + 30 x^7 + 26 x^6 + 21 x^5 + 16 x^4 + 14 x^3 + 9 x^2 + 6 x + 1) / ((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A315975
Score: 4.12160
Type of gen. func.: ogf

$$(x^{14} + 6 x^{13} + 9 x^{12} + 14 x^{11} + 16 x^{10} + 21 x^9 + 26 x^8 + 30 x^7 + 26 x^6 + 21 x^5 + 16 x^4 + 14 x^3 + 9 x^2 + 6 x + 1) / ((x - 1)^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)^2)$$

Sequence: A315987
Score: 3.86856
Type of gen. func.: ogf

$$(x^2 + x + 1) (x^{12} + 3 x^{11} - 4 x^{10} + 11 x^9 - 8 x^8 + 12 x^7 - 5 x^6 + 12 x^5 - 8 x^4 + 11 x^3 - 4 x^2 + 3 x + 1) / ((x - 1)^2 (x^2 + 1)^2 (x^4 + 1)^2)$$

Sequence: A316011
Score: 3.74643
Type of gen. func.: ogf

$$-(2x^{18} - x^{12} - 8x^{11} - 11x^{10} - 16x^{9} - 19x^{8} - 22x^{7} - 19x^{6} - 22x^{5} - 19x^{4} - 14x^{3} - 9x^{2} - 6x - 1) \Big/ ((x^{4} + 1)(x - 1)^{2}(x + 1)^{2}(x^{2} + 1)^{2})$$

Sequence: A316011
Score: 4.26552
Type of gen. func.: ogf

$$-(2x^{18} - x^{12} - 8x^{11} - 11x^{10} - 16x^{9} - 19x^{8} - 22x^{7} - 19x^{6} - 22x^{5} - 19x^{4} - 14x^{3} - 9x^{2} - 6x - 1) \Big/ ((x^{4} + 1)(x - 1)^{2}(x + 1)^{2}(x^{2} + 1)^{2})$$

Sequence: A316020
Score: 5.28415
Type of gen. func.: ogf

$$-\frac{2x^{10} - x^{8} - 8x^{7} - 11x^{6} - 16x^{5} - 20x^{4} - 14x^{3} - 9x^{2} - 6x - 1}{(x - 1)^{2}(x + 1)^{2}(x^{2} + 1)^{2}}$$

Sequence: A316020
Score: 6.00064
Type of gen. func.: ogf

$$-\frac{2x^{10} - x^{8} - 8x^{7} - 11x^{6} - 16x^{5} - 20x^{4} - 14x^{3} - 9x^{2} - 6x - 1}{(x - 1)^{2}(x + 1)^{2}(x^{2} + 1)^{2}}$$

Sequence: A316026
Score: 6.19692
Type of gen. func.: ogf

$$\frac{(x^{2} + x + 1)(x^{4} + 4x^{3} - 2x^{2} + 4x + 1)}{(x^{4} + x^{3} + x^{2} + x + 1)(x - 1)^{2}}$$

Sequence: A316026
Score: 7.52959
Type of gen. func.: ogf

$$\frac{(x^2+x+1)(x^4+4x^3-2x^2+4x+1)}{(x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A316046
Score: 4.53895
Type of gen. func.: ogf

$$-\frac{3x^{12}-4x^8-9x^7-8x^6-12x^5-12x^4-9x^3-8x^2-6x-1}{(x^2+x+1)(x^2-x+1)(x+1)^2(x-1)^2}$$

Sequence: A316046
Score: 5.71029
Type of gen. func.: ogf

$$-\frac{3x^{12}-4x^8-9x^7-8x^6-12x^5-12x^4-9x^3-8x^2-6x-1}{(x^2+x+1)(x^2-x+1)(x+1)^2(x-1)^2}$$

Sequence: A316047
Score: 4.72051
Type of gen. func.: ogf

$$\frac{x^{10}+5x^9+3x^8+6x^7+6x^6+6x^5+6x^4+6x^3+3x^2+5x+1}{(x^2+x+1)(x^6+x^3+1)(x-1)^2}$$

Sequence: A316047
Score: 5.57540
Type of gen. func.: ogf

$$\frac{x^{10}+5x^9+3x^8+6x^7+6x^6+6x^5+6x^4+6x^3+3x^2+5x+1}{(x^2+x+1)(x^6+x^3+1)(x-1)^2}$$

Sequence: A316049
Score: 3.57444
Type of gen. func.: ogf

$$\left(x^{12}+7x^{11}+16x^{10}+30x^{9}+50x^{8}+65x^{7}+68x^{6}+65x^{5}+50x^{4}+30x^{3}+16x^{2}+7x+1\right)\Big/\left((x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}(x+1)^{2}(x^{2}+1)^{2}\right)$$

Sequence: A316050
Score: 4.76362
Type of gen. func.: ogf

$$\left(x^{10}+6x^{9}+9x^{8}+16x^{7}+17x^{6}+28x^{5}+17x^{4}+16x^{3}+9x^{2}+6x+1\right)\Big/\left((x-1)^{2}(x^{4}+x^{3}+x^{2}+x+1)^{2}\right)$$

Sequence: A316050
Score: 5.47072
Type of gen. func.: ogf

$$\left(x^{10}+6x^{9}+9x^{8}+16x^{7}+17x^{6}+28x^{5}+17x^{4}+16x^{3}+9x^{2}+6x+1\right)\Big/\left((x-1)^{2}(x^{4}+x^{3}+x^{2}+x+1)^{2}\right)$$

Sequence: A316056
Score: 4.00093
Type of gen. func.: ogf

$$-\left(2x^{19}+2x^{17}-2x^{13}-3x^{12}-8x^{11}-11x^{10}-16x^{9}-21x^{8}-24x^{7}-30x^{6}-24x^{5}-19x^{4}-16x^{3}-9x^{2}-6x-1\right)\Big/\left((x-1)^{2}(x+1)^{2}(x^{2}+x+1)^{2}(x^{2}-x+1)^{2}\right)$$

Sequence: A316062
Score: 3.76713
Type of gen. func.: ogf

$$-\left(2 x^{17} - x^{12} - 10 x^{11} - 7 x^{10} - 19 x^{9} - 11 x^{8} - 21 x^{7} - 14 x^{6} - 19 x^{5} - 13 x^{4} - 15 x^{3} - 9 x^{2} - 6 x - 1\right) / \left(\left(x^{6} + x^{3} + 1\right) (x - 1)^{2} \left(x^{2} + x + 1\right)^{2}\right)$$

Sequence: A316062
Score: 4.28908
Type of gen. func.: ogf

$$-\left(2 x^{17} - x^{12} - 10 x^{11} - 7 x^{10} - 19 x^{9} - 11 x^{8} - 21 x^{7} - 14 x^{6} - 19 x^{5} - 13 x^{4} - 15 x^{3} - 9 x^{2} - 6 x - 1\right) / \left(\left(x^{6} + x^{3} + 1\right) (x - 1)^{2} \left(x^{2} + x + 1\right)^{2}\right)$$

Sequence: A316064
Score: 4.14214
Type of gen. func.: ogf

$$-\left(x^{13} + x^{12} - x^{10} - 7 x^{9} - 11 x^{8} - 18 x^{7} - 20 x^{6} - 26 x^{5} - 19 x^{4} - 16 x^{3} - 9 x^{2} - 6 x - 1\right) / \left((x - 1)^{2} \left(x^{4} + x^{3} + x^{2} + x + 1\right)^{2}\right)$$

Sequence: A316064
Score: 4.79023
Type of gen. func.: ogf

$$-\left(x^{13} + x^{12} - x^{10} - 7 x^{9} - 11 x^{8} - 18 x^{7} - 20 x^{6} - 26 x^{5} - 19 x^{4} - 16 x^{3} - 9 x^{2} - 6 x - 1\right) / \left((x - 1)^{2} \left(x^{4} + x^{3} + x^{2} + x + 1\right)^{2}\right)$$

Sequence: A316066
Score: 3.66879
Type of gen. func.: ogf

$$-(x^{17}+x^{13}-x^{12}-x^{10}-x^{9}-8x^{8}-9x^{7}-16x^{6}-15x^{5}-16x^{4}-15x^{3}-9x^{2}-6x-1)\ /\ ((x+1)(x^{2}-x+1)(x-1)^{2}(x^{2}+x+1)^{2})$$

Sequence: A316066
Score: 4.39799
Type of gen. func.: ogf

$$-(x^{17}+x^{13}-x^{12}-x^{10}-x^{9}-8x^{8}-9x^{7}-16x^{6}-15x^{5}-16x^{4}-15x^{3}-9x^{2}-6x-1)\ /\ ((x+1)(x^{2}-x+1)(x-1)^{2}(x^{2}+x+1)^{2})$$

Sequence: A316069
Score: 4.79023
Type of gen. func.: ogf

$$(x^{10}+6x^{9}+9x^{8}+18x^{7}+18x^{6}+28x^{5}+18x^{4}+18x^{3}+9x^{2}+6x+1)\ /\ ((x-1)^{2}(x^{4}+x^{3}+x^{2}+x+1)^{2})$$

Sequence: A316069
Score: 5.50128
Type of gen. func.: ogf

$$(x^{10}+6x^{9}+9x^{8}+18x^{7}+18x^{6}+28x^{5}+18x^{4}+18x^{3}+9x^{2}+6x+1)\ /\ ((x-1)^{2}(x^{4}+x^{3}+x^{2}+x+1)^{2})$$

Sequence: A316070
Score: 3.80742
Type of gen. func.: ogf

$$(x^{12}+5x^{11}+3x^{10}+10x^{9}+8x^{8}+8x^{7}+14x^{6}+8x^{5}+8x^{4}+10x^{3}+3x^{2}+5x+1)\ /\ ((x^{4}+x^{3}+x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2})$$

Sequence: A316071
Score: 3.86927
Type of gen. func.: ogf

$$\frac{x^{12}+6x^{11}+9x^{10}+18x^{9}+24x^{8}+24x^{7}+34x^{6}+24x^{5}+24x^{4}+18x^{3}+9x^{2}+6x+1}{(x-1)^2 (x+1)^2 (x^2+x+1)^2 (x^2-x+1)^2}$$

Sequence: A316071
Score: 4.78430
Type of gen. func.: ogf

$$\frac{x^{12}+6x^{11}+9x^{10}+18x^{9}+24x^{8}+24x^{7}+34x^{6}+24x^{5}+24x^{4}+18x^{3}+9x^{2}+6x+1}{(x-1)^2 (x+1)^2 (x^2+x+1)^2 (x^2-x+1)^2}$$

Sequence: A316087
Score: 10.7176
Type of gen. func.: ogf

$$\frac{(x-1)^3}{x^3-4x^2+2x-1}$$

Sequence: A316087
Score: 15.0921
Type of gen. func.: ogf

$$\frac{(x-1)^3}{x^3-4x^2+2x-1}$$

Sequence: A316087
Score: 6.06158
Type of gen. func.: ogf

$$(-92 + 155 f(x)) (f(x) x^3 - 4 f(x) x^2 - x^3 + 2 f(x) x + 3 x^2 - f(x) - 3 x + 1)$$

Sequence: A316088
Score: 12.467
Type of gen. func.: ogf

$$\frac{(x - 1)^4}{x^4 - 3 x^3 + 10 x^2 - 3 x + 1}$$

Sequence: A316088
Score: 4.82059
Type of gen. func.: ogf

$$(427 f(x) + 660) (f(x) x^4 - 3 f(x) x^3 - x^4 + 10 f(x) x^2 + 4 x^3 - 3 f(x) x - 6 x^2 + f(x) + 4 x - 1)$$

Sequence: A316088
Score: 8.40799
Type of gen. func.: ogf

$$\frac{(x - 1)^4}{x^4 - 3 x^3 + 10 x^2 - 3 x + 1}$$

Sequence: A316157
Score: 6.2279
Type of gen. func.: ogf

$$(12 x^{12} - 10 x^{11} + 2 x^{10} - 4 x^9 - 33 x^8 + 22 x^7 - 18 x^6 - 10 x^5 + 6 x^4 - 12 x^3 - 2 x^2 - 4 x - 3) / ((x + 1)^2 (x^2 + 1)^2 (x - 1)^3)$$

Sequence: A316160
Score: 14.4115

Type of gen. func.: ogf

$$\frac{2\,(2\,x^4 - 5\,x^3 + 2\,x^2 + 5\,x - 3)}{(2\,x - 1)^3}$$

Sequence: A316160
Score: 6.14756
Type of gen. func.: ogf

$$-(15424\,f(x) - 909035)$$

$$(8\,f(x)\,x^3 - 4\,x^4 - 12\,f(x)\,x^2 + 10\,x^3 + 6\,f(x)\,x - 4\,x^2 - f(x) - 10\,x + 6)$$

Sequence: A316224
Score: 11.7552
Type of gen. func.: ogf

$$\frac{3\,x\,(x^2 + 10\,x + 5)}{(x - 1)^4}$$

Sequence: A316224
Score: 17.6328
Type of gen. func.: ogf

$$\frac{3\,x\,(x^2 + 10\,x + 5)}{(x - 1)^4}$$

Sequence: A316224
Score: 5.95704
Type of gen. func.: ogf

$$-(25696\,f(x) + 413307)$$

$$(f(x)\,x^4 - 4\,f(x)\,x^3 + 6\,f(x)\,x^2 - 3\,x^3 - 4\,f(x)\,x - 30\,x^2 + f(x) - 15\,x)$$

Sequence: A316261
Score: 7.68928
Type of gen. func.: ogf

$$\frac{x^6 + x^5 - 2 x^4 - 2 x^3 + 2 x^2 + x + 1}{(x + 1)^2 (x - 1)^4}$$

Sequence: A316316
Score: 7.17926
Type of gen. func.: ogf

$$\frac{x^6 + 3 x^5 + 5 x^4 + 2 x^3 + 5 x^2 + 3 x + 1}{(x^2 + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A316316
Score: 7.70617
Type of gen. func.: ogf

$$\frac{x^6 + 3 x^5 + 5 x^4 + 2 x^3 + 5 x^2 + 3 x + 1}{(x^2 + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A316317
Score: 7.17926
Type of gen. func.: ogf

$$\frac{(x^4 + 3 x^2 + 1) (x + 1)^2}{(x^2 + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A316317
Score: 9.03196
Type of gen. func.: ogf

$$\frac{(x^4 + 3 x^2 + 1) (x + 1)^2}{(x^2 + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A316319
Score: 10.0871
Type of gen. func.: ogf

$$-\frac{(x^2+x+1)(x^5-x^4-2x^3-x^2-1)}{(x-1)^2}$$

Sequence: A316320
Score: 15.9537
Type of gen. func.: ogf

$$\frac{(3x+1)(x^2+x+1)}{(x-1)^2}$$

Sequence: A316320
Score: 8.13026
Type of gen. func.: ogf

$$(200 f(x)+73)(f(x)x^2-3x^3-2f(x)x-4x^2+f(x)-4x-1)$$

Sequence: A316341
Score: 9.23369
Type of gen. func.: lgdogf

$$\frac{23x^{22}+5x^4+1}{x^{23}+x^5+x+1}$$

Sequence: A316349
Score: 5.74667
Type of gen. func.: ogf

$$(x^{12}+30x^{11}-60x^{10}+26x^9-30x^8-180x^7+336x^6-30x^5+180x^4+326x^3+30x^2+60x+31)\;/\;((x-1)^6(x^2+x+1)^6)$$

/

Sequence: A316357
Score: 6.66279
Type of gen. func.: ogf

$$-\frac{x^6 + 3x^5 + 5x^4 + 2x^3 + 5x^2 + 3x + 1}{(x^2 + 1)(x^2 + x + 1)(x - 1)^3}$$

Sequence: A316357
Score: 7.37035
Type of gen. func.: ogf

$$-\frac{x^6 + 3x^5 + 5x^4 + 2x^3 + 5x^2 + 3x + 1}{(x^2 + 1)(x^2 + x + 1)(x - 1)^3}$$

Sequence: A316358
Score: 6.66279
Type of gen. func.: ogf

$$-\frac{(x^4 + 3x^2 + 1)(x + 1)^2}{(x^2 + 1)(x^2 + x + 1)(x - 1)^3}$$

Sequence: A316358
Score: 8.58608
Type of gen. func.: ogf

$$-\frac{(x^4 + 3x^2 + 1)(x + 1)^2}{(x^2 + 1)(x^2 + x + 1)(x - 1)^3}$$

Sequence: A316363
Score: 8.40776
Type of gen. func.: ogf

$$f(x)^3 x^2 + f(x)^2 x^2 + f(x)^2 x - f(x) x^2 + 2 f(x) x - x^2 - 2 f(x) + x + 2$$

Sequence: A316371
Score: 10.132
Type of gen. func.: ogf

$$f(x)^3 x^3 + 3 f(x)^2 x^2 - f(x) x^2 + f(x) x - f(x) + 1$$

Sequence: A316384
Score: 4.22663
Type of gen. func.: ogf_with_Euler_transform]

$$-(x^2 - x + 1) (x^{12} + x^{11} - x^{10} - x^9 - x^8 + x^7 + 3 x^6 + x^5 - x^4 - x^3 - x^2 + x + 1) / ((x - 1) (x + 1) (x^2 + 1) (x^4 + 1) (x^8 + 1))$$

Sequence: A316386
Score: 13.3992
Type of gen. func.: ogf

$$-\frac{x (2 x^2 - 1)}{(2 x^2 - 2 x + 1)^2}$$

Sequence: A316386
Score: 15.7813
Type of gen. func.: ogf

$$-\frac{x (2 x^2 - 1)}{(2 x^2 - 2 x + 1)^2}$$

Sequence: A316386
Score: 5.33953
Type of gen. func.: ogf

$$\{a(n + 4) - 4 a(n + 3) + 8 a(n + 2) - 8 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 6\}$$

Sequence: A316386
Score: 5.46275
Type of gen. func.: ogf

$$-(4 f(x) - 13) (4 f(x) x^4 - 8 f(x) x^3 + 8 f(x) x^2 + 2 x^3 - 4 f(x) x + f(x) - x)$$

Sequence: A316415
Score: 4.6037
Type of gen. func.: ogf

$$\frac{12 x^9 + 18 x^8 + 30 x^7 + 21 x^6 - 21 x^5 - 31 x^4 - 18 x^3 - 3 x^2 + x + 4}{6 x^7 + 9 x^6 + 3 x^5 - 2 x^4 - 4 x^3 - 3 x^2 - x + 1}$$

Sequence: A316415
Score: 4.85946
Type of gen. func.: ogf

$$\frac{12 x^9 + 18 x^8 + 30 x^7 + 21 x^6 - 21 x^5 - 31 x^4 - 18 x^3 - 3 x^2 + x + 4}{6 x^7 + 9 x^6 + 3 x^5 - 2 x^4 - 4 x^3 - 3 x^2 - x + 1}$$

Sequence: A316422
Score: 3.78315
Type of gen. func.: ogf

$$-\frac{(x^9 + x^8 - x^7 + 5 x^6 + 2 x^5 + 2 x^4 - x^3 + x^2 - 3 x - 3) (x^2 + x + 1)}{x^{12} + 2 x^{11} + 3 x^9 + 2 x^8 + x^7 + 2 x^6 - 2 x^5 - 5 x^3 - x + 1}$$

Sequence: A316422
Score: 3.95223
Type of gen. func.: ogf

$$-\frac{(x^9+x^8-x^7+5x^6+2x^5+2x^4-x^3+x^2-3x-3)(x^2+x+1)}{x^{12}+2x^{11}+3x^9+2x^8+x^7+2x^6-2x^5-5x^3-x+1}$$

Sequence: A316457
Score: 12.133
Type of gen. func.: ogf

$$\frac{x^4+26x^3+336x^2+326x+31}{(x-1)^6}$$

Sequence: A316457
Score: 13.8977
Type of gen. func.: ogf

$$\frac{x^4+26x^3+336x^2+326x+31}{(x-1)^6}$$

Sequence: A316458
Score: 16.722
Type of gen. func.: ogf

$$-\frac{60(x^2+4x+1)}{(x-1)^5}$$

Sequence: A316458
Score: 20.2425
Type of gen. func.: ogf

$$-\frac{60(x^2+4x+1)}{(x-1)^5}$$

Sequence: A316458
Score: 4.29728
Type of gen. func.: ogf

$$\{a(n+5) - 5a(n+4) + 10a(n+3) - 10a(n+2) + 5a(n+1) - a(n),\ a(0) = 60,\ a(1) = 540,\ a(2) = 2160,\ a(3) = 6000,\ a(4) = 13500\}$$

Sequence: A316459
Score: 20.7467
Type of gen. func.: ogf

$$\frac{30(x+1)}{(x-1)^4}$$

Sequence: A316459
Score: 26.2791
Type of gen. func.: ogf

$$\frac{30(x+1)}{(x-1)^4}$$

Sequence: A316459
Score: 5.59131
Type of gen. func.: ogf

$$\{-a(n+4) + 4a(n+3) - 6a(n+2) + 4a(n+1) - a(n),\ a(0) = 30,\ a(1) = 150,\ a(2) = 420,\ a(3) = 900\}$$

Sequence: A316459
Score: 6.01812
Type of gen. func.: ogf

$$(2624 f(x) + 111345)\,(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + f(x) - 30 x - 30)$$

Sequence: A316461
Score: 29.0986
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{9}{(x-1)^2}$$

Sequence: A316462
Score: 28.9699
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{10}{(x-1)^2}$$

Sequence: A316463
Score: 29.5372
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4}{(x-1)^2}$$

Sequence: A316464
Score: 30.0428
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{5}{(x-1)^2}$$

Sequence: A316466
Score: 21.4473
Type of gen. func.: ogf

$$-\frac{4 x (5 x + 2)}{(x-1)^3}$$

Sequence: A316466
Score: 26.6466
Type of gen. func.: ogf

$$-\frac{4 x (5 x + 2)}{(x - 1)^3}$$

Sequence: A316466
Score: 7.32783
Type of gen. func.: ogf

$$-(10535 f(x) - 94068) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 20 x^2 - f(x) + 8 x)$$

Sequence: A316466
Score: 8.45518
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 0, a(1) = 8, a(2) = 44\}$$

Sequence: A316513
Score: 5.80359
Type of gen. func.: ogf

$$-\frac{x^7 - 8 x^6 + 11 x^5 + 24 x^4 + 7 x^3 + x^2 - 17 x - 4}{x^5 - x^4 - 3 x^3 - 2 x^2 - x + 1}$$

Sequence: A316513
Score: 6.21813
Type of gen. func.: ogf

$$-\frac{x^7 - 8 x^6 + 11 x^5 + 24 x^4 + 7 x^3 + x^2 - 17 x - 4}{x^5 - x^4 - 3 x^3 - 2 x^2 - x + 1}$$

Sequence: A316526
Score: 4.98266
Type of gen. func.: ogf

$$\frac{2 (840 x^4 - 8382 x^3 + 11099 x^2 + 3702 x + 61)}{}$$

$$(x - 1) (6 x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (5 x - 1)$$

Sequence: A316526
Score: 5.29901
Type of gen. func.: ogf

$$\frac{2 (840 x^{4} - 8382 x^{3} + 11099 x^{2} + 3702 x + 61)}{(x - 1) (6 x - 1) (4 x - 1) (3 x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A316528
Score: 12.5874
Type of gen. func.: ogf

$$- \frac{x^{2} - x - 1}{(2 x - 1) (x^{2} + x - 1)}$$

Sequence: A316528
Score: 14.3541
Type of gen. func.: ogf

$$- \frac{x^{2} - x - 1}{(2 x - 1) (x^{2} + x - 1)}$$

Sequence: A316528
Score: 7.79222
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + a(n + 1) + 2 a(n), a(0) = 1, a(1) = 4, a(2) = 10\}$$

Sequence: A316528
Score: 7.94352
Type of gen. func.: ogf

$$f(x) (2 f(x) x^{3} + f(x) x^{2} - 3 f(x) x + x^{2} + f(x) - x - 1)$$

Sequence: A316562
Score: 2.26746
Type of gen. func.: ogf

{-a(n + 6) + a(n + 5) + a(n + 1) - a(n), a(0) = 16, a(1) = 40, a(2) = 64,

a(3) = 89, a(4) = 113, a(5) = 138}

Sequence: A316562
Score: 3.16589
Type of gen. func.: ogf

$$\frac{9 x^5 + 24 x^4 + 25 x^3 + 24 x^2 + 24 x + 16}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A316562
Score: 3.42433
Type of gen. func.: ogf

$$\frac{9 x^5 + 24 x^4 + 25 x^3 + 24 x^2 + 24 x + 16}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A316569
Score: 4.90816
Type of gen. func.: ogf

$$\frac{x (x^6 - x^4 + 2 x^3 - x^2 + 1)}{x^8 - x^7 + x^5 - x^4 + x^3 - x + 1}$$

Sequence: A316569
Score: 5.31296
Type of gen. func.: ogf

$$\frac{x (x^6 - x^4 + 2 x^3 - x^2 + 1)}{x^8 - x^7 + x^5 - x^4 + x^3 - x + 1}$$

Sequence: A316571
Score: 16.9108
Type of gen. func.: ogf

$$-\frac{x^4 - 2 x^3 - 1}{(x - 1)^2}$$

Sequence: A316571
Score: 20.2104
Type of gen. func.: ogf

$$-\frac{x^4 - 2 x^3 - 1}{(x - 1)^2}$$

Sequence: A316571
Score: 7.02226
Type of gen. func.: ogf

$\{-a(n + 5) + 2 a(n + 4) - a(n + 3), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 6,$

$a(4) = 8\}$

Sequence: A316571
Score: 8.04492
Type of gen. func.: ogf

$$-(8 f(x) - 213) (x^4 + f(x) x^2 - 2 x^3 - 2 f(x) x + f(x) - 1)$$

Sequence: A316631
Score: 7.66005
Type of gen. func.: ogf

$$\frac{x (x^2 + x + 1) (x^4 - x^3 + 3 x^2 - x + 1)}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A316631
Score: 8.26679
Type of gen. func.: ogf

$$\frac{x (x^{2} + x + 1) (x^{4} - x^{3} + 3 x^{2} - x + 1)}{(x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2}}$$

Sequence: A316662
Score: 8.54079
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{4 x^{4} + 3 x^{3} + 3 x^{2} + x + 1}{(x + 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A316666
Score: 10.7311
Type of gen. func.: egf]

$$\frac{(\exp(x) x - 2 \exp(x) + 3) \exp(-x)}{(x - 1)^{2}}$$

Sequence: A316671
Score: 12.6439
Type of gen. func.: ogf

$$- \frac{2 x^{4} - 3 x^{2} + 4 x + 1}{(x + 1)^{2} (x - 1)^{3}}$$

Sequence: A316671
Score: 14.4184
Type of gen. func.: ogf

$$- \frac{2 x^{4} - 3 x^{2} + 4 x + 1}{\qquad {}^{2} \qquad {}^{3}}$$

$$(x + 1)\ (x - 1)$$

Sequence: A316671
Score: 4.95091
Type of gen. func.: ogf

$$\{a(n + 5) - a(n + 4) - 2\ a(n + 3) + 2\ a(n + 2) + a(n + 1) - a(n),\ a(0) = 1,\ a(1) = 5,\ a(2) = 4,\ a(3) = 12,\ a(4) = 11\}$$

Sequence: A316672
Score: 7.46582
Type of gen. func.: ogf

$$\frac{x^8 - x^7 - x^6 - 2\ x^5 - 9\ x^4 - 2\ x^3 - x^2 - x + 1}{(x + 1)^2\ (x^2 + 1)^2\ (x - 1)^3}$$

Sequence: A316672
Score: 8.01377
Type of gen. func.: ogf

$$\frac{x^8 - x^7 - x^6 - 2\ x^5 - 9\ x^4 - 2\ x^3 - x^2 - x + 1}{(x + 1)^2\ (x^2 + 1)^2\ (x - 1)^3}$$

Sequence: A316679
Score: 4.81002
Type of gen. func.: ogf

$$(1250100\ x^{10} + 5834400\ x^9 - 6000900\ x^8 + 1571775\ x^7 - 2301276\ x^6 + 193476\ x^5 - 485076\ x^4 - 68104\ x^3 - 1293\ x^2 + 4704\ x + 907)\ /\ ((x - 1)\ (100\ x^3 - 1))$$

Sequence: A316679
Score: 5.03907
Type of gen. func.: ogf

$$(1250100 x^{10} + 5834400 x^9 - 6000900 x^8 + 1571775 x^7 - 2301276 x^6 + 193476 x^5 - 485076 x^4 - 68104 x^3 - 1293 x^2 + 4704 x + 907) / ((x - 1) (100 x^3 - 1))$$

Sequence: A316688
Score: 5.01166
Type of gen. func.: ogf

$$\{a(n + 6) - a(n + 5) - a(n + 4) - 2 a(n + 3), a(0) = 4, a(1) = 3, a(2) = 8, a(3) = 9, a(4) = 21, a(5) = 42\}$$

Sequence: A316688
Score: 8.74127
Type of gen. func.: ogf

$$\frac{4 x^5 + 2 x^4 + 10 x^3 - x^2 + x - 4}{(2 x - 1) (x^2 + x + 1)}$$

Sequence: A316688
Score: 9.63781
Type of gen. func.: ogf

$$\frac{4 x^5 + 2 x^4 + 10 x^3 - x^2 + x - 4}{(2 x - 1) (x^2 + x + 1)}$$

Sequence: A316689
Score: 4.43395
Type of gen. func.: ogf

$$(8 x^{10} + 10 x^9 + 16 x^8 + 47 x^7 + 34 x^6 + x^5 - 30 x^4 - 36 x^3 - 12 x^2 - 3 x + 8) / (4 x^7 + 6 x^6 + 2 x^5 - x^4 - 5 x^3 - 2 x^2 - x + 1)$$

Sequence: A316689
Score: 4.6658
Type of gen. func.: ogf

$$(8 x^{10} + 10 x^{9} + 16 x^{8} + 47 x^{7} + 34 x^{6} + x^{5} - 30 x^{4} - 36 x^{3} - 12 x^{2} - 3 x + 8) \Big/ (4 x^{7} + 6 x^{6} + 2 x^{5} - x^{4} - 5 x^{3} - 2 x^{2} - x + 1)$$

Sequence: A316690
Score: 3.89055
Type of gen. func.: ogf

$$(30 x^{10} + 60 x^{9} + 57 x^{8} + 272 x^{7} + 436 x^{6} + 15 x^{5} - 147 x^{4} - 193 x^{3} - 35 x^{2} - 8 x + 16) \Big/ (6 x^{7} + 27 x^{6} + 9 x^{5} - 2 x^{4} - 12 x^{3} - 3 x^{2} - x + 1)$$

Sequence: A316690
Score: 4.08268
Type of gen. func.: ogf

$$(30 x^{10} + 60 x^{9} + 57 x^{8} + 272 x^{7} + 436 x^{6} + 15 x^{5} - 147 x^{4} - 193 x^{3} - 35 x^{2} - 8 x + 16) \Big/ (6 x^{7} + 27 x^{6} + 9 x^{5} - 2 x^{4} - 12 x^{3} - 3 x^{2} - x + 1)$$

Sequence: A316699
Score: 4.12486
Type of gen. func.: ogf

$$\frac{2 (x^{6} + 2 x^{5} + 3 x^{4} - x^{3} - x^{2} - x - 1) (x^{2} + x + 1)}{(x + 1) (x^{2} + 1) (x^{3} + x^{2} + x - 1)}$$

Sequence: A316699
Score: 4.37297
Type of gen. func.: ogf

6 5 4 3 2 2

$$\frac{2 (x + 2 x + 3 x - x - x - x - 1) (x + x + 1)}{(x + 1) (x^2 + 1) (x^3 + x^2 + x - 1)}$$

Sequence: A316708
Score: 10.2938
Type of gen. func.: ogf

$$-(984 f(x) - 143) (f(x) x^2 - 34 f(x) x + f(x) + 5 x - 1)$$

Sequence: A316708
Score: 12.7319
Type of gen. func.: ogf

$$\{a(n + 2) - 34 a(n + 1) + a(n), a(0) = 1, a(1) = 29\}$$

Sequence: A316708
Score: 21.0353
Type of gen. func.: ogf

$$-\frac{5 x - 1}{x^2 - 34 x + 1}$$

Sequence: A316708
Score: 25.4637
Type of gen. func.: ogf

$$-\frac{5 x - 1}{x^2 - 34 x + 1}$$

Sequence: A316709
Score: 11.7395
Type of gen. func.: ogf

$$\{a(n + 2) - 34 a(n + 1) + a(n), a(0) = 5, a(1) = 169\}$$

Sequence: A316709
Score: 19.6509
Type of gen. func.: ogf

$$-\frac{x-5}{x^2-34x+1}$$

Sequence: A316709
Score: 23.788
Type of gen. func.: ogf

$$-\frac{x-5}{x^2-34x+1}$$

Sequence: A316709
Score: 9.51519
Type of gen. func.: ogf

$$-(5736 f(x) - 119) (f(x) x^2 - 34 f(x) x + f(x) + x - 5)$$

Sequence: A316724
Score: 14.6492
Type of gen. func.: ogf

$$-\frac{x (x^2 + 22 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A316724
Score: 16.8195
Type of gen. func.: ogf

$$-\frac{x (x^2 + 22 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A316724

Score: 5.4714
Type of gen. func.: ogf

$\{-a(n + 5) + a(n + 4) + 2 a(n + 3) - 2 a(n + 2) - a(n + 1) + a(n), a(0) = 0,$
$a(1) = 1, a(2) = 23, a(3) = 26, a(4) = 70\}$

Sequence: A316725
Score: 15.8273
Type of gen. func.: ogf

$$- \frac{x (x^2 + 23 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A316725
Score: 18.172
Type of gen. func.: ogf

$$- \frac{x (x^2 + 23 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A316725
Score: 5.91139
Type of gen. func.: ogf

$\{-a(n + 5) + a(n + 4) + 2 a(n + 3) - 2 a(n + 2) - a(n + 1) + a(n), a(0) = 0,$
$a(1) = 1, a(2) = 24, a(3) = 27, a(4) = 73\}$

Sequence: A316726
Score: 10.7951
Type of gen. func.: ogf

$$- \frac{x^2 - 2}{(x + 1) (x^3 - x^2 - 3 x + 1)}$$

Sequence: A316726

Score: 12.2108
Type of gen. func.: ogf

$$-\frac{x^2 - 2}{(x + 1) (x^3 - x^2 - 3 x + 1)}$$

Sequence: A316726
Score: 6.31237
Type of gen. func.: ogf

{-a(n + 4) + 2 a(n + 3) + 4 a(n + 2) - a(n), a(0) = 2, a(1) = 4, a(2) = 15,

a(3) = 46}

Sequence: A316726
Score: 6.83357
Type of gen. func.: ogf

$$(69 f(x) + 64) (f(x) x^4 - 4 f(x) x^2 - 2 f(x) x + x^2 + f(x) - 2)$$

Sequence: A316729
Score: 15.9559
Type of gen. func.: ogf

$$-\frac{x (x^2 + 26 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A316729
Score: 18.3198
Type of gen. func.: ogf

$$-\frac{x (x^2 + 26 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A316729
Score: 5.95945

Type of gen. func.: ogf

$$\{-a(n+5)+a(n+4)+2\,a(n+3)-2\,a(n+2)-a(n+1)+a(n),\ a(0)=0,\ a(1)=1,\ a(2)=27,\ a(3)=30,\ a(4)=82\}$$

Sequence: A316742
Score: 15.5832
Type of gen. func.: ogf

$$\frac{x^2-x+1}{(x-1)(2x^2-1)}$$

Sequence: A316742
Score: 18.1274
Type of gen. func.: ogf

$$\frac{x^2-x+1}{(x-1)(2x^2-1)}$$

Sequence: A316742
Score: 7.46424
Type of gen. func.: ogf

$$-(346\,f(x)+383)\,(2\,f(x)\,x^3-2\,f(x)\,x^2-f(x)\,x-x^2+f(x)+x-1)$$

Sequence: A316742
Score: 8.62374
Type of gen. func.: ogf

$$\{a(n+3)-a(n+2)-2\,a(n+1)+2\,a(n),\ a(0)=1,\ a(1)=0,\ a(2)=3\}$$

Sequence: A316778
Score: 24.1333
Type of gen. func.: lgdegf]

$$-2\,x+\exp(2\,x)$$

Sequence: A316779
Score: 5.70815
Type of gen. func.: ogf

$$\{-a(n + 6) + 6 a(n + 5) - 11 a(n + 4) + 6 a(n + 3), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 5, a(4) = 14, a(5) = 42\}$$

Sequence: A316779
Score: 8.88588
Type of gen. func.: ogf

$$-\frac{(x^2 + 2 x - 1) (x^3 - 2 x^2 + 3 x - 1)}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A316779
Score: 9.68462
Type of gen. func.: ogf

$$-\frac{(x^2 + 2 x - 1) (x^3 - 2 x^2 + 3 x - 1)}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A316803
Score: 4.36113
Type of gen. func.: ogf

$$(116808835 f(x) + 2655501) (3 f(x) x^4 - 7 f(x) x^3 + 3 f(x) x^2 + 3 x^3 - 8 f(x) x - 3 x^2 + f(x) - 4)$$

Sequence: A316803
Score: 4.57919
Type of gen. func.: ogf

$$\{a(n + 4) - 8 a(n + 3) + 3 a(n + 2) - 7 a(n + 1) + 3 a(n), a(0) = 4, a(1) = 32, a(2) = 247, a(3) = 1905\}$$

Sequence: A316803
Score: 8.78201
Type of gen. func.: ogf

$$-\frac{3x^3-3x^2-4}{3x^4-7x^3+3x^2-8x+1}$$

Sequence: A316803
Score: 9.86287
Type of gen. func.: ogf

$$-\frac{3x^3-3x^2-4}{3x^4-7x^3+3x^2-8x+1}$$

Sequence: A316804
Score: 3.73076
Type of gen. func.: ogf

$$-\frac{30x^6+25x^5-106x^4-87x^3+25x^2+8x+8}{20x^7+4x^6-81x^5-18x^4+50x^3-5x^2+15x-1}$$

Sequence: A316804
Score: 3.96394
Type of gen. func.: ogf

$$-\frac{30x^6+25x^5-106x^4-87x^3+25x^2+8x+8}{20x^7+4x^6-81x^5-18x^4+50x^3-5x^2+15x-1}$$

Sequence: A316810
Score: 3.10006
Type of gen. func.: ogf

{-a(n + 6) + 6 a(n + 5) + 10 a(n + 4) - 7 a(n + 3) - 64 a(n + 2) - 51 a(n + 1),

a(0) = 4, a(1) = 32, a(2) = 227, a(3) = 1603, a(4) = 11339, a(5) = 80196}

Sequence: A316810
Score: 5.66466
Type of gen. func.: ogf

$$-\frac{(x + 1) (27 x^{4} + 42 x^{3} + 9 x^{2} - 4 x - 4)}{51 x^{5} + 64 x^{4} + 7 x^{3} - 10 x^{2} - 6 x + 1}$$

Sequence: A316810
Score: 6.10894
Type of gen. func.: ogf

$$-\frac{(x + 1) (27 x^{4} + 42 x^{3} + 9 x^{2} - 4 x - 4)}{51 x^{5} + 64 x^{4} + 7 x^{3} - 10 x^{2} - 6 x + 1}$$

Sequence: A316869
Score: 4.07623
Type of gen. func.: ogf

$$\frac{x^{8} (x^{62} + 6 x^{21} - 6 x^{20} + 3 x^{11} - 3 x^{10} + x - 1)}{x^{62} - 6 x^{31} + 6 x^{30} + 3 x^{21} - 3 x^{20} + 2 x^{11} - 2 x^{10} + x - 1}$$

Sequence: A316869
Score: 4.31426
Type of gen. func.: ogf

$$\frac{x^{8} (x^{62} + 6 x^{21} - 6 x^{20} + 3 x^{11} - 3 x^{10} + x - 1)}{x^{62} - 6 x^{31} + 6 x^{30} + 3 x^{21} - 3 x^{20} + 2 x^{11} - 2 x^{10} + x - 1}$$

Sequence: A316937
Score: 12.53
Type of gen. func.: ogf

$$-\frac{x^{2} - x - 3}{\quad}$$

$$(2 x - 1) (x^2 + x - 1)$$

Sequence: A316937
Score: 14.2886
Type of gen. func.: ogf

$$- \frac{x^2 - x - 3}{(2 x - 1) (x^2 + x - 1)}$$

Sequence: A316937
Score: 6.9021
Type of gen. func.: ogf

$$-(451 f(x) - 65) (2 f(x) x^3 + f(x) x^2 - 3 f(x) x + x^2 + f(x) - x - 3)$$

Sequence: A316937
Score: 7.68347
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + a(n + 1) + 2 a(n), a(0) = 3, a(1) = 10, a(2) = 26\}$$

Sequence: A316945
Score: 10.6057
Type of gen. func.: ogf

$$- \frac{x^{11} (x^8 - 2 x^7 + x^6 + x^5 - 2 x^4 + 2 x^3 - x^2 - 1)}{(x - 1)^2}$$

Sequence: A316945
Score: 11.5923
Type of gen. func.: ogf

$$- \frac{x^{11} (x^8 - 2 x^7 + x^6 + x^5 - 2 x^4 + 2 x^3 - x^2 - 1)}{(x - 1)^2}$$

Sequence: A316948
Score: 5.77159
Type of gen. func.: ogf

$$\frac{x^6 + 6 x^4 - 15 x^3 - 19 x - 1}{2 x^7 + x^6 + 3 x^5 + 8 x^4 + 15 x^3 + 10 x^2 + 6 x - 1}$$

Sequence: A316948
Score: 6.22875
Type of gen. func.: ogf

$$\frac{x^6 + 6 x^4 - 15 x^3 - 19 x - 1}{2 x^7 + x^6 + 3 x^5 + 8 x^4 + 15 x^3 + 10 x^2 + 6 x - 1}$$

Sequence: A316955
Score: 3.07025
Type of gen. func.: ogf

$$\{-a(n + 6) + 6 a(n + 5) + 9 a(n + 4) - 14 a(n + 3) - 52 a(n + 2) - 33 a(n + 1),$$

$$a(0) = 4, a(1) = 32, a(2) = 220, a(3) = 1498, a(4) = 10243, a(5) = 70037\}$$

Sequence: A316955
Score: 5.55965
Type of gen. func.: ogf

$$-\frac{(x + 1) (27 x^4 + 42 x^3 + 12 x^2 - 4 x - 4)}{33 x^5 + 52 x^4 + 14 x^3 - 9 x^2 - 6 x + 1}$$

Sequence: A316955
Score: 5.99146
Type of gen. func.: ogf

$$-\frac{(x + 1) (27 x^4 + 42 x^3 + 12 x^2 - 4 x - 4)}{\quad^{5} \quad^{4} \quad^{3} \quad^{2}}$$

$$33 x + 52 x + 14 x - 9 x - 6 x + 1$$

Sequence: A316966
Score: 13.4079
Type of gen. func.: ogf

$$-\frac{x (x^3 - x + 4)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A316966
Score: 15.4317
Type of gen. func.: ogf

$$-\frac{x (x^3 - x + 4)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A316966
Score: 4.95685
Type of gen. func.: ogf

$$\{-a(n + 5) + a(n + 4) + 2 a(n + 3) - 2 a(n + 2) - a(n + 1) + a(n), a(0) = 0,$$
$$a(1) = 4, a(2) = 3, a(3) = 11, a(4) = 10\}$$

Sequence: A316987
Score: 10.962
Type of gen. func.: ogf

$$-\frac{(x^3 + 3 x^2 - x + 1)^{1/2} (x + 1)^{(3/2)} - x^3 - 3 x^2 - x - 1}{2 x^2}$$

Sequence: A316987
Score: 11.6544
Type of gen. func.: ogf

$$-f(x)^2 x^2 + f(x) x^3 + 3 f(x) x^2 + f(x) x + f(x) - 1$$

Sequence: A317017
Score: 22.934
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x + 1}{(x - 1)^{5}}$$

Sequence: A317019
Score: 21.8845
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3 x + 1}{(x - 1)^{5}}$$

Sequence: A317020
Score: 22.695
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4 x + 1}{(x - 1)^{5}}$$

Sequence: A317021
Score: 21.3784
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{5 x + 1}{(x - 1)^{5}}$$

Sequence: A317027
Score: 2.78766
Type of gen. func.: ogf

$$\{a(n + 7) - 35 a(n + 6) + 35 a(n + 5) - a(n + 4), a(0) = 9, a(1) = 27,$$

$$a(2) = 324, a(3) = 8000, a(4) = 11025, a(5) = 374544, a(6) = 12723489\}$$

Sequence: A317027
Score: 4.49938
Type of gen. func.: ogf

$$\frac{7676 x^6 - 268345 x^5 + 257662 x^4 + 2404 x^3 + 306 x^2 + 288 x - 9}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A317027
Score: 4.83895
Type of gen. func.: ogf

$$\frac{7676 x^6 - 268345 x^5 + 257662 x^4 + 2404 x^3 + 306 x^2 + 288 x - 9}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A317067
Score: 4.58171
Type of gen. func.: ogf

$$- \frac{2 x^6 + x^5 + 15 x^4 - 10 x^3 + 6 x^2 - 19 x - 1}{x^8 + x^7 + 2 x^6 + 5 x^5 - x^4 - 8 x^3 - 9 x^2 - 6 x + 1}$$

Sequence: A317067
Score: 4.86806
Type of gen. func.: ogf

$$- \frac{2 x^6 + x^5 + 15 x^4 - 10 x^3 + 6 x^2 - 19 x - 1}{x^8 + x^7 + 2 x^6 + 5 x^5 - x^4 - 8 x^3 - 9 x^2 - 6 x + 1}$$

Sequence: A317095
Score: 11.1428
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 40\}$$

Sequence: A317095
Score: 13.7428
Type of gen. func.: ogf

$$-f(x)\,x^2 + 2\,f(x)\,x - f(x) + 40\,x$$

Sequence: A317095
Score: 27.4855
Type of gen. func.: ogf

$$\frac{40\,x}{(x-1)^2}$$

Sequence: A317095
Score: 37.4803
Type of gen. func.: ogf

$$\frac{40\,x}{(x-1)^2}$$

Sequence: A317096
Score: 18.6165
Type of gen. func.: lgdegf]

$$-\frac{x}{(2\,x-1)\,(x-1)^2}$$

Sequence: A317107
Score: 11.7334
Type of gen. func.: ogf

$$\{-a(n+2) + 2\,a(n+1) - a(n),\ a(0) = 1,\ a(1) = 3\}$$

Sequence: A317107
Score: 13.7821
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + x + 1$$

Sequence: A317107
Score: 26.3113
Type of gen. func.: ogf

$$\frac{x + 1}{(x - 1)^2}$$

Sequence: A317107
Score: 34.7309
Type of gen. func.: ogf

$$\frac{x + 1}{(x - 1)^2}$$

Sequence: A317108
Score: 11.5774
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 2, a(1) = 4\}$$

Sequence: A317108
Score: 14.5208
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 2$$

Sequence: A317108
Score: 34.2692
Type of gen. func.: ogf

$$\frac{2}{(x - 1)^2}$$

Sequence: A317108
Score: 50.3959
Type of gen. func.: ogf

$$\frac{2}{(x-1)^2}$$

Sequence: A317111
Score: 17.8216
Type of gen. func.: egf]

$$-\frac{6}{x^3 - 3x^2 + 6x - 6}$$

Sequence: A317111
Score: 22.142
Type of gen. func.: egf]

$$-\frac{6}{x^3 - 3x^2 + 6x - 6}$$

Sequence: A317111
Score: 7.30685
Type of gen. func.: egf]

$$(f(x) - 10)(f(x)x^3 - 3f(x)x^2 + 6f(x)x - 6f(x) + 6)$$

Sequence: A317133
Score: 19.1726
Type of gen. func.: revogf

$$\frac{x}{x^4 + 4x^3 + 6x^2 + 3x + 1}$$

Sequence: A317135
Score: 13.8988
Type of gen. func.: revogf

$$-\frac{(-2 x + 1 + (4 x^3 - 4 x + 1)^{1/2}) x}{2 (x - 1)}$$

Sequence: A317163
Score: 10.2177
Type of gen. func.: ogf

$$-\frac{39836854875285071 x - 48277590120607451}{(x - 1)^2}$$

Sequence: A317163
Score: 3.75472
Type of gen. func.: ogf

$$(16881470490644760 f(x) + 2401971719335001613674007365581801)$$

$$(f(x) x^2 - 2 f(x) x + f(x) + 39836854875285071 x - 48277590120607451)$$

Sequence: A317163
Score: 5.88003
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 48277590120607451,$$

$$a(1) = 56718325365929831\}$$

Sequence: A317163
Score: 9.03308
Type of gen. func.: ogf

$$-\frac{39836854875285071 x - 48277590120607451}{(x - 1)^2}$$

Sequence: A317164
Score: 10.3439

Type of gen. func.: ogf

$$-\frac{41978851384246823 x - 55837783597462913}{(x - 1)^{2}}$$

Sequence: A317164
Score: 3.80107
Type of gen. func.: ogf

$$(27717864426432180 f(x) + 330992807916761696093855144533369)$$

$$(f(x) x^{2} - 2 f(x) x + f(x) + 41978851384246823 x - 55837783597462913)$$

Sequence: A317164
Score: 5.95262
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 55837783597462913,$$

$$a(1) = 69696715810679003\}$$

Sequence: A317164
Score: 9.1446
Type of gen. func.: ogf

$$-\frac{41978851384246823 x - 55837783597462913}{(x - 1)^{2}}$$

Sequence: A317186
Score: 13.3394
Type of gen. func.: ogf

$$-\frac{x^{3} + 2 x^{2} + 1}{(x + 1) (x - 1)^{3}}$$

Sequence: A317186
Score: 15.3528
Type of gen. func.: ogf

$$-\frac{x^3 + 2 x^2 + 1}{(x + 1) (x - 1)^3}$$

Sequence: A317186
Score: 6.5621
Type of gen. func.: ogf

$$-(928 f(x) - 1647) (f(x) x^4 - 2 f(x) x^3 + x^3 + 2 f(x) x + 2 x^2 - f(x) + 1)$$

Sequence: A317186
Score: 6.95471
Type of gen. func.: ogf

{-a(n + 4) + 2 a(n + 3) - 2 a(n + 1) + a(n), a(0) = 1, a(1) = 2, a(2) = 6,

a(3) = 11}

Sequence: A317188
Score: 7.02348
Type of gen. func.: ogf

$$-\frac{x^4 - x^2 - 1}{(x - 1) (x + 1) (x^6 + x^5 - x^4 + 3 x^3 - 3 x^2 + 3 x - 1)}$$

Sequence: A317188
Score: 7.5586
Type of gen. func.: ogf

$$-\frac{x^4 - x^2 - 1}{(x - 1) (x + 1) (x^6 + x^5 - x^4 + 3 x^3 - 3 x^2 + 3 x - 1)}$$

Sequence: A317200
Score: 6.10791
Type of gen. func.: ogf

$\{-a(n+5) + 2\,a(n+4) - a(n+1),\ a(0) = 0,\ a(1) = 2,\ a(2) = 3,\ a(3) = 4,$

$a(4) = 6\}$

Sequence: A317200
Score: 6.80595
Type of gen. func.: ogf

$$(f(x) + 1)\,(f(x)\,x^4 + 2\,x^4 + 2\,x^3 - 2\,f(x)\,x + x^2 + f(x) - 2\,x)$$

Sequence: A317200
Score: 8.40735
Type of gen. func.: ogf

$$-\frac{x\,(2\,x^3 + 2\,x^2 + x - 2)}{(x - 1)\,(x^3 + x^2 + x - 1)}$$

Sequence: A317200
Score: 9.28084
Type of gen. func.: ogf

$$-\frac{x\,(2\,x^3 + 2\,x^2 + x - 2)}{(x - 1)\,(x^3 + x^2 + x - 1)}$$

Sequence: A317217
Score: 3.40424
Type of gen. func.: ogf

$$-\frac{9\,x^9 + 24\,x^7 + 26\,x^6 + 127\,x^5 + 208\,x^4 + 65\,x^3 - 15\,x^2 - 21\,x - 1}{12\,x^9 + 43\,x^8 + 66\,x^7 + 120\,x^6 + 154\,x^5 + 68\,x^4 - 12\,x^3 - 18\,x^2 - 4\,x + 1}$$

Sequence: A317217
Score: 3.56635
Type of gen. func.: ogf

```
           9       7       6        5        4       3       2
        9 x  + 24 x  + 26 x  + 127 x  + 208 x  + 65 x  - 15 x  - 21 x - 1
  - --------------------------------------------------------------------------
        9       8       7        6        5       4       3       2
    12 x  + 43 x  + 66 x  + 120 x  + 154 x  + 68 x  - 12 x  - 18 x  - 4 x + 1
```

```
------------------------------------------------------------------------------

Sequence:  A317255
Score: 10.1784
Type of gen. func.: ogf


                    148113223952262161 x - 149836681069944461
                  - -----------------------------------------
                                           2
                                    (x - 1)



------------------------------------------------------------------------------

Sequence:  A317255
Score: 3.81689
Type of gen. func.: ogf


(3446914235364600 f(x) + 22454001298492742567311433357870521)

           2
    (f(x) x  - 2 f(x) x + f(x) + 148113223952262161 x - 149836681069944461)



------------------------------------------------------------------------------

Sequence:  A317255
Score: 5.93738
Type of gen. func.: ogf


{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 149836681069944461,

    a(1) = 151560138187626761}



------------------------------------------------------------------------------

Sequence:  A317255
Score: 9.03151
Type of gen. func.: ogf


                    148113223952262161 x - 149836681069944461
                  - -----------------------------------------
                                           2
                                    (x - 1)



------------------------------------------------------------------------------

Sequence:  A317259
Score: 10.1784
Type of gen. func.: ogf


                    127083712123503043 x - 136926916457315893
                  - -----------------------------------------
                                           2
                                    (x - 1)
```

Sequence: A317259
Score: 3.7943
Type of gen. func.: ogf

```
(19686408667625700 f(x) + 18845869122065958013863620815509949)

           2
    (f(x) x  - 2 f(x) x + f(x) + 127083712123503043 x - 136926916457315893)
```

Sequence: A317259
Score: 5.93738
Type of gen. func.: ogf

```
{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 136926916457315893,

    a(1) = 146770120791128743}
```

Sequence: A317259
Score: 9.03151
Type of gen. func.: ogf

```
                    127083712123503043 x - 136926916457315893
                  - -----------------------------------------
                                           2
                                    (x - 1)
```

Sequence: A317276
Score: 7.71289
Type of gen. func.: egf]

```
                                     4 x         2 (x + 1)
                    KummerM(3/2, 2, -----) exp(- ---------)
                                    x - 1          x - 1
                    ---------------------------------------
                                    exp(2)
```

Sequence: A317297
Score: 20.8953
Type of gen. func.: ogf

```
                                    2
                              x (5 x  + 14 x + 5)
```

```
-------------------
              4
     (x - 1)
```

Sequence: A317297
Score: 25.2943
Type of gen. func.: ogf

$$\frac{x\,(5x^2 + 14x + 5)}{(x - 1)^4}$$

Sequence: A317297
Score: 6.7689
Type of gen. func.: ogf

$$(10320 f(x) + 61487)\,(f(x)\,x^4 - 4 f(x)\,x^3 + 6 f(x)\,x^2 - 5x^3 - 4 f(x)\,x - 14x^2 + f(x) - 5x)$$

Sequence: A317297
Score: 7.06753
Type of gen. func.: ogf

$$\{a(n + 4) - 4 a(n + 3) + 6 a(n + 2) - 4 a(n + 1) + a(n),\ a(0) = 0,\ a(1) = 5,\ a(2) = 34,\ a(3) = 111\}$$

Sequence: A317298
Score: 12.9328
Type of gen. func.: ogf

$$-\frac{x^3 + 5x^2 + x + 1}{(x + 1)\,(x - 1)^3}$$

Sequence: A317298
Score: 14.748
Type of gen. func.: ogf

```
 3      2
```

$$-\frac{x + 5 x + x + 1}{(x + 1) (x - 1)^{3}}$$

Sequence: A317298
Score: 6.67169
Type of gen. func.: ogf

$$(3376 f(x) - 15473) (f(x) x^{4} - 2 f(x) x^{3} + x^{3} + 2 f(x) x + 5 x^{2} - f(x) + x + 1)$$

Sequence: A317298
Score: 7.12401
Type of gen. func.: ogf

{-a(n + 4) + 2 a(n + 3) - 2 a(n + 1) + a(n), a(0) = 1, a(1) = 3, a(2) = 11,

a(3) = 21}

Sequence: A317300
Score: 12.6789
Type of gen. func.: ogf

$$-\frac{x (x^{2} - 4 x + 1)}{(x + 1)^{2} (x - 1)^{3}}$$

Sequence: A317300
Score: 14.5927
Type of gen. func.: ogf

$$-\frac{x (x^{2} - 4 x + 1)}{(x + 1)^{2} (x - 1)^{3}}$$

Sequence: A317300
Score: 4.77417
Type of gen. func.: ogf

{a(n + 5) - a(n + 4) - 2 a(n + 3) + 2 a(n + 2) + a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = -3, a(3) = 0, a(4) = -8}

Sequence: A317301
Score: 12.6594
Type of gen. func.: ogf

$$-\frac{x (x^2 - 3 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A317301
Score: 14.5702
Type of gen. func.: ogf

$$-\frac{x (x^2 - 3 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A317301
Score: 4.73756
Type of gen. func.: ogf

{a(n + 5) - a(n + 4) - 2 a(n + 3) + 2 a(n + 2) + a(n + 1) - a(n), a(0) = 0,

a(1) = 1, a(2) = -2, a(3) = 1, a(4) = -5}

Sequence: A317311
Score: 10.0143
Type of gen. func.: ogf

{a(n + 4) - 2 a(n + 2) + a(n), a(0) = 0, a(1) = 1, a(2) = 11, a(3) = 3}

Sequence: A317311
Score: 16.9207
Type of gen. func.: ogf

$$\frac{x (x^2 + 11 x + 1)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A317311
Score: 19.628
Type of gen. func.: ogf

$$\frac{x\,(x^2 + 11\,x + 1)}{(x - 1)^2\,(x + 1)^2}$$

Sequence: A317311
Score: 9.43656
Type of gen. func.: ogf

$$-(11\,f(x) + 59)\,(f(x)\,x^4 - 2\,f(x)\,x^2 - x^3 - 11\,x^2 + f(x) - x)$$

Sequence: A317312
Score: 10.0577
Type of gen. func.: ogf

$$\{a(n + 4) - 2\,a(n + 2) + a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 12,\ a(3) = 3\}$$

Sequence: A317312
Score: 16.994
Type of gen. func.: ogf

$$\frac{x\,(x^2 + 12\,x + 1)}{(x - 1)^2\,(x + 1)^2}$$

Sequence: A317312
Score: 19.713
Type of gen. func.: ogf

$$\frac{x\,(x^2 + 12\,x + 1)}{(x - 1)^2\,(x + 1)^2}$$

Sequence: A317312
Score: 9.56943
Type of gen. func.: ogf

$$-(8 f(x) + 47) (f(x) x^4 - 2 f(x) x^2 - x^3 - 12 x^2 + f(x) - x)$$

Sequence: A317313
Score: 10.101
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 2) + a(n), a(0) = 0, a(1) = 1, a(2) = 13, a(3) = 3\}$$

Sequence: A317313
Score: 17.0672
Type of gen. func.: ogf

$$\frac{x (x^2 + 13 x + 1)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A317313
Score: 19.798
Type of gen. func.: ogf

$$\frac{x (x^2 + 13 x + 1)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A317313
Score: 9.51826
Type of gen. func.: ogf

$$-(13 f(x) + 83) (f(x) x^4 - 2 f(x) x^2 - x^3 - 13 x^2 + f(x) - x)$$

Sequence: A317314
Score: 10.101
Type of gen. func.: ogf

$$\{a(n+4) - 2\,a(n+2) + a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 14,\ a(3) = 3\}$$

Sequence: A317314
Score: 17.0672
Type of gen. func.: ogf

$$\frac{x\,(x^2 + 14\,x + 1)}{(x+1)^2\,(x-1)^2}$$

Sequence: A317314
Score: 19.798
Type of gen. func.: ogf

$$\frac{x\,(x^2 + 14\,x + 1)}{(x+1)^2\,(x-1)^2}$$

Sequence: A317314
Score: 9.42761
Type of gen. func.: ogf

$$-(28\,f(x) + 193)\,(f(x)\,x^4 - 2\,f(x)\,x^2 - x^3 - 14\,x^2 + f(x) - x)$$

Sequence: A317315
Score: 10.1444
Type of gen. func.: ogf

$$\{a(n+4) - 2\,a(n+2) + a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 15,\ a(3) = 3\}$$

Sequence: A317315
Score: 17.1405
Type of gen. func.: ogf

$$\frac{x\,(x^2 + 15\,x + 1)}{(x-1)^2\,(x+1)^2}$$

Sequence: A317315
Score: 19.883
Type of gen. func.: ogf

$$\frac{x\,(x^2 + 15\,x + 1)}{(x - 1)^2\,(x + 1)^2}$$

Sequence: A317315
Score: 9.65192
Type of gen. func.: ogf

$$-(5\,f(x) + 37)\,(f(x)\,x^4 - 2\,f(x)\,x^2 - x^3 - 15\,x^2 + f(x) - x)$$

Sequence: A317316
Score: 10.1444
Type of gen. func.: ogf

$$\{a(n + 4) - 2\,a(n + 2) + a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 16,\ a(3) = 3\}$$

Sequence: A317316
Score: 17.1405
Type of gen. func.: ogf

$$\frac{x\,(x^2 + 16\,x + 1)}{(x - 1)^2\,(x + 1)^2}$$

Sequence: A317316
Score: 19.883
Type of gen. func.: ogf

$$\frac{x\,(x^2 + 16\,x + 1)}{(x - 1)^2\,(x + 1)^2}$$

Sequence: A317316
Score: 9.46808
Type of gen. func.: ogf

$$-(32 f(x) + 253) (f(x) x^4 - 2 f(x) x^2 - x^3 - 16 x^2 + f(x) - x)$$

Sequence: A317317
Score: 10.1877
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 2) + a(n), a(0) = 0, a(1) = 1, a(2) = 17, a(3) = 3\}$$

Sequence: A317317
Score: 17.2137
Type of gen. func.: ogf

$$\frac{x (x^2 + 17 x + 1)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A317317
Score: 19.9679
Type of gen. func.: ogf

$$\frac{x (x^2 + 17 x + 1)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A317317
Score: 9.50854
Type of gen. func.: ogf

$$-(17 f(x) + 143) (f(x) x^4 - 2 f(x) x^2 - x^3 - 17 x^2 + f(x) - x)$$

Sequence: A317318
Score: 10.1877
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 2) + a(n), a(0) = 0, a(1) = 1, a(2) = 18, a(3) = 3\}$$

Sequence: A317318
Score: 17.2137
Type of gen. func.: ogf

$$\frac{x (x^2 + 18 x + 1)}{(x + 1)^2 (x - 1)^2}$$

Sequence: A317318
Score: 19.9679
Type of gen. func.: ogf

$$\frac{x (x^2 + 18 x + 1)}{(x + 1)^2 (x - 1)^2}$$

Sequence: A317318
Score: 9.50854
Type of gen. func.: ogf

$$-(12 f(x) + 107) (f(x) x^4 - 2 f(x) x^2 - x^3 - 18 x^2 + f(x) - x)$$

Sequence: A317319
Score: 10.1877
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 2) + a(n), a(0) = 0, a(1) = 1, a(2) = 19, a(3) = 3\}$$

Sequence: A317319
Score: 17.2137
Type of gen. func.: ogf

$$\frac{x (x^2 + 19 x + 1)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A317319
Score: 19.9679
Type of gen. func.: ogf

$$\frac{x (x^2 + 19 x + 1)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A317319
Score: 9.50854
Type of gen. func.: ogf

$$-(19 f(x) + 179) (f(x) x^4 - 2 f(x) x^2 - x^3 - 19 x^2 + f(x) - x)$$

Sequence: A317320
Score: 10.2311
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 2) + a(n), a(0) = 0, a(1) = 1, a(2) = 20, a(3) = 3\}$$

Sequence: A317320
Score: 17.287
Type of gen. func.: ogf

$$\frac{x (x^2 + 20 x + 1)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A317320
Score: 20.0529
Type of gen. func.: ogf

$$\frac{x (x^2 + 20 x + 1)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A317320

Score: 9.549
Type of gen. func.: ogf

$$-(40 f(x) + 397) (f(x) x^4 - 2 f(x) x^2 - x^3 - 20 x^2 + f(x) - x)$$

Sequence: A317321
Score: 10.2311
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 2) + a(n), a(0) = 0, a(1) = 1, a(2) = 21, a(3) = 3\}$$

Sequence: A317321
Score: 17.287
Type of gen. func.: ogf

$$\frac{x (x^2 + 21 x + 1)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A317321
Score: 20.0529
Type of gen. func.: ogf

$$\frac{x (x^2 + 21 x + 1)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A317321
Score: 9.73442
Type of gen. func.: ogf

$$-(7 f(x) + 73) (f(x) x^4 - 2 f(x) x^2 - x^3 - 21 x^2 + f(x) - x)$$

Sequence: A317322
Score: 10.2311
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 2) + a(n), a(0) = 0, a(1) = 1, a(2) = 22, a(3) = 3\}$$

Sequence: A317322
Score: 17.287
Type of gen. func.: ogf

$$\frac{x\,(x^2 + 22\,x + 1)}{(x + 1)^2\,(x - 1)^2}$$

Sequence: A317322
Score: 20.0529
Type of gen. func.: ogf

$$\frac{x\,(x^2 + 22\,x + 1)}{(x + 1)^2\,(x - 1)^2}$$

Sequence: A317322
Score: 9.549
Type of gen. func.: ogf

$$-(44\,f(x) + 481)\,(f(x)\,x^4 - 2\,f(x)\,x^2 - x^3 - 22\,x^2 + f(x) - x)$$

Sequence: A317323
Score: 10.2311
Type of gen. func.: ogf

$$\{a(n + 4) - 2\,a(n + 2) + a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 23,\ a(3) = 3\}$$

Sequence: A317323
Score: 17.287
Type of gen. func.: ogf

$$\frac{x\,(x^2 + 23\,x + 1)}{(x - 1)^2\,(x + 1)^2}$$

Sequence: A317323
Score: 20.0529
Type of gen. func.: ogf

$$\frac{x (x^2 + 23 x + 1)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A317323
Score: 9.549
Type of gen. func.: ogf

$$-(23 f(x) + 263) (f(x) x^4 - 2 f(x) x^2 - x^3 - 23 x^2 + f(x) - x)$$

Sequence: A317324
Score: 10.2311
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 2) + a(n), a(0) = 0, a(1) = 1, a(2) = 24, a(3) = 3\}$$

Sequence: A317324
Score: 17.287
Type of gen. func.: ogf

$$\frac{x (x^2 + 24 x + 1)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A317324
Score: 20.0529
Type of gen. func.: ogf

$$\frac{x (x^2 + 24 x + 1)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A317324
Score: 9.549

Type of gen. func.: ogf

$$-(16 f(x) + 191) (f(x) x^4 - 2 f(x) x^2 - x^3 - 24 x^2 + f(x) - x)$$

Sequence: A317325
Score: 10.2744
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 2) + a(n), a(0) = 0, a(1) = 1, a(2) = 25, a(3) = 3\}$$

Sequence: A317325
Score: 17.3602
Type of gen. func.: ogf

$$\frac{x (x^2 + 25 x + 1)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A317325
Score: 20.1379
Type of gen. func.: ogf

$$\frac{x (x^2 + 25 x + 1)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A317325
Score: 9.58946
Type of gen. func.: ogf

$$-(25 f(x) + 311) (f(x) x^4 - 2 f(x) x^2 - x^3 - 25 x^2 + f(x) - x)$$

Sequence: A317326
Score: 10.2744
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 2) + a(n), a(0) = 0, a(1) = 1, a(2) = 26, a(3) = 3\}$$

Sequence: A317326
Score: 17.3602
Type of gen. func.: ogf

$$\frac{x (x^2 + 26 x + 1)}{(x + 1)^2 (x - 1)^2}$$

Sequence: A317326
Score: 20.1379
Type of gen. func.: ogf

$$\frac{x (x^2 + 26 x + 1)}{(x + 1)^2 (x - 1)^2}$$

Sequence: A317326
Score: 9.58946
Type of gen. func.: ogf

$$-(52 f(x) + 673) (f(x) x^4 - 2 f(x) x^2 - x^3 - 26 x^2 + f(x) - x)$$

Sequence: A317362
Score: 12.3223
Type of gen. func.: lgdegf]

$$\frac{\exp(- \frac{1}{x + 1})}{\exp(-1) (x + 1)^2}$$

Sequence: A317364
Score: 27.2405
Type of gen. func.: lgdegf]

$$\frac{2}{(x + 1)^2}$$

Sequence: A317364
Score: 7.06234
Type of gen. func.: ogf

$$\{a(n) n^2 + 2 a(n + 1) n + a(n) n + a(n + 2), a(0) = 1, a(1) = 2\}$$

Sequence: A317365
Score: 24.2327
Type of gen. func.: lgdegf]

$$-\frac{x}{(x + 1)^2}$$

Sequence: A317365
Score: 4.38105
Type of gen. func.: ogf

$$\{a(n) n^3 + 2 a(n + 1) n^2 + 3 a(n) n^2 + a(n + 2) n + 4 a(n + 1) n + 2 a(n) n + a(n + 2), a(0) = 0, a(1) = 1\}$$

Sequence: A317366
Score: 8.05454
Type of gen. func.: lgdegf]

$$-\frac{\exp(1) x - \exp(1) - \exp(-\frac{1}{x - 1})}{(x - 1)^2 \exp(1)}$$

Sequence: A317378
Score: 4.34451
Type of gen. func.: ogf

$$\frac{(x + 1) (16 x^8 - 4 x^7 + 30 x^6 - 12 x^5 - 8 x^4 - 21 x^3 + 4 x^2 - 3 x + 4)}{8 x^7 + 10 x^6 + 3 x^5 - 2 x^4 - 5 x^3 - 3 x^2 - x + 1}$$

Sequence: A317378
Score: 4.58257
Type of gen. func.: ogf

$$\frac{(x + 1) (16 x^8 - 4 x^7 + 30 x^6 - 12 x^5 - 8 x^4 - 21 x^3 + 4 x^2 - 3 x + 4)}{8 x^7 + 10 x^6 + 3 x^5 - 2 x^4 - 5 x^3 - 3 x^2 - x + 1}$$

Sequence: A317404
Score: 14.2179
Type of gen. func.: ogf

$$- \frac{3 x (2 x^2 - 1)}{(2 x - 1)^2 (x - 1)^2}$$

Sequence: A317404
Score: 16.5392
Type of gen. func.: ogf

$$- \frac{3 x (2 x^2 - 1)}{(2 x - 1)^2 (x - 1)^2}$$

Sequence: A317404
Score: 5.91548
Type of gen. func.: ogf

$\{a(n + 4) - 6 a(n + 3) + 13 a(n + 2) - 12 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 3,$

$a(2) = 18, a(3) = 63\}$

Sequence: A317404
Score: 6.00312
Type of gen. func.: ogf

$-(38 f(x) - 2307)$

$(4 f(x) x^4 - 12 f(x) x^3 + 13 f(x) x^2 + 6 x^3 - 6 f(x) x + f(x) - 3 x)$

Sequence: A317405
Score: 13.4967
Type of gen. func.: ogf

$$-\frac{(x-1)(x+1)}{(x^2-4x+1)^2}$$

Sequence: A317405
Score: 15.7002
Type of gen. func.: ogf

$$-\frac{(x-1)(x+1)}{(x^2-4x+1)^2}$$

Sequence: A317405
Score: 5.57472
Type of gen. func.: ogf

$$\{-a(n+4)+8a(n+3)-18a(n+2)+8a(n+1)-a(n),\ a(0)=1,\ a(1)=8,\ a(2)=45,\ a(3)=224\}$$

Sequence: A317405
Score: 5.61541
Type of gen. func.: ogf

$$-(40113 f(x) - 2587)$$

$$(f(x) x^4 - 8 f(x) x^3 + 18 f(x) x^2 - 8 f(x) x + x^2 + f(x) - 1)$$

Sequence: A317408
Score: 12.9172
Type of gen. func.: ogf

$$-\frac{x(x-1)(x+1)}{(x^2-3x+1)^2}$$

Sequence: A317408
Score: 14.8669
Type of gen. func.: ogf

$$-\frac{x (x - 1) (x + 1)}{(x^2 - 3 x + 1)^2}$$

Sequence: A317408
Score: 5.83665
Type of gen. func.: ogf

{a(n + 4) - 6 a(n + 3) + 11 a(n + 2) - 6 a(n + 1) + a(n), a(0) = 0, a(1) = 1,

a(2) = 6, a(3) = 24}

Sequence: A317408
Score: 5.92442
Type of gen. func.: ogf

$$-(125 f(x) - 13) (f(x) x^4 - 6 f(x) x^3 + 11 f(x) x^2 + x^3 - 6 f(x) x + f(x) - x)$$

Sequence: A317409
Score: 5.95501
Type of gen. func.: egf]

$$\frac{\cos(1) \cos(\frac{1}{x - 1}) - \sin(1) \sin(\frac{1}{x - 1})}{\cos(1)^2 + \sin(1)^2}$$

Sequence: A317439
Score: 11.7334
Type of gen. func.: ogf

{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 3}

Sequence: A317439
Score: 13.7821

Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + x + 1$$

Sequence: A317439
Score: 26.3113
Type of gen. func.: ogf

$$\frac{x + 1}{(x - 1)^2}$$

Sequence: A317439
Score: 34.7309
Type of gen. func.: ogf

$$\frac{x + 1}{(x - 1)^2}$$

Sequence: A317440
Score: 11.5774
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 2, a(1) = 4\}$$

Sequence: A317440
Score: 14.5208
Type of gen. func.: ogf

$$-f(x) x^2 + 2 f(x) x - f(x) + 2$$

Sequence: A317440
Score: 34.2692
Type of gen. func.: ogf

$$\frac{2}{(x - 1)^2}$$

Sequence: A317440
Score: 50.3959
Type of gen. func.: ogf

$$\frac{2}{(x-1)^2}$$

Sequence: A317451
Score: 21.6619
Type of gen. func.: ogf

$$\frac{2x}{(x^2-4x+1)^2}$$

Sequence: A317451
Score: 27.6376
Type of gen. func.: ogf

$$\frac{2x}{(x^2-4x+1)^2}$$

Sequence: A317451
Score: 5.89332
Type of gen. func.: ogf

$\{a(n+4) - 8 a(n+3) + 18 a(n+2) - 8 a(n+1) + a(n), a(0) = 0, a(1) = 2, a(2) = 16, a(3) = 92\}$

Sequence: A317451
Score: 6.41193
Type of gen. func.: ogf

$$-(614 f(x) + 39) (f(x) x^4 - 8 f(x) x^3 + 18 f(x) x^2 - 8 f(x) x + f(x) - 2 x)$$

Sequence: A317468
Score: 5.75705
Type of gen. func.: ogf

$$\frac{x^{35}+x^{26}+x^{25}+x^{24}-x^{23}+x^{11}+x^{2}+x+1}{(x^{2}+x+1)\,(x^{8}+1)\,(x^{16}-x^{8}+1)\,(x-1)^{2}}$$

Sequence: A317468
Score: 6.06824
Type of gen. func.: ogf

$$\frac{x^{35}+x^{26}+x^{25}+x^{24}-x^{23}+x^{11}+x^{2}+x+1}{(x^{2}+x+1)\,(x^{8}+1)\,(x^{16}-x^{8}+1)\,(x-1)^{2}}$$

Sequence: A317469
Score: 5.12507
Type of gen. func.: ogf

$$\frac{x^{35}-x^{27}+x^{26}+x^{25}+2\,x^{24}-x^{23}+x^{11}-x^{3}+x^{2}+x+2}{(x^{2}+x+1)\,(x^{8}+1)\,(x^{16}-x^{8}+1)\,(x-1)^{2}}$$

Sequence: A317469
Score: 5.37356
Type of gen. func.: ogf

$$\frac{x^{35}-x^{27}+x^{26}+x^{25}+2\,x^{24}-x^{23}+x^{11}-x^{3}+x^{2}+x+2}{(x^{2}+x+1)\,(x^{8}+1)\,(x^{16}-x^{8}+1)\,(x-1)^{2}}$$

Sequence: A317486
Score: 10.3446
Type of gen. func.: egf]

$$\frac{x^{2}\,(12\,x^{4}-29\,x^{3}-35\,x^{2}+7\,x-3)}{6\,(x-1)^{5}}$$

Sequence: A317486
Score: 9.19523
Type of gen. func.: egf]

$$\frac{x^2 (12 x^4 - 29 x^3 - 35 x^2 + 7 x - 3)}{6 (x - 1)^5}$$

Sequence: A317487
Score: 17.0351
Type of gen. func.: egf]

$$- \frac{x^3 (x - 4)}{4 (x - 1)^4}$$

Sequence: A317487
Score: 20.7183
Type of gen. func.: egf]

$$- \frac{x^3 (x - 4)}{4 (x - 1)^4}$$

Sequence: A317487
Score: 5.94247
Type of gen. func.: ogf

$\{-a(n) n^2 + a(n + 1) n - 2 a(n) n - 2 a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0,$

$a(3) = 6\}$

Sequence: A317487
Score: 5.94247
Type of gen. func.: ogf

$\{-a(n) n^2 + a(n + 1) n - 2 a(n) n - 2 a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0,$

a(3) = 6}

Sequence: A317487
Score: 5.98889
Type of gen. func.: egf]

$$-f(x) (4 f(x) x^4 - 16 f(x) x^3 + x^4 + 24 f(x) x^2 - 4 x^3 - 16 f(x) x + 4 f(x))$$

Sequence: A317499
Score: 16.2453
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (3 x^2 + 3 x + 1)}$$

Sequence: A317499
Score: 19.7578
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (3 x^2 + 3 x + 1)}$$

Sequence: A317499
Score: 8.50044
Type of gen. func.: ogf

$$\{-a(n + 3) - 2 a(n + 2) + 3 a(n), a(0) = 1, a(1) = -2, a(2) = 4\}$$

Sequence: A317499
Score: 9.02516
Type of gen. func.: ogf

$$(f(x) - 1) (3 f(x) x^3 - 2 f(x) x - f(x) + 1)$$

Sequence: A317509
Score: 10.1121

Type of gen. func.: ogf

$$-\frac{1}{(x-1)\,(2\,x^4+2\,x^3+2\,x^2+2\,x+1)}$$

Sequence: A317509
Score: 11.6384
Type of gen. func.: ogf

$$-\frac{1}{(x-1)\,(2\,x^4+2\,x^3+2\,x^2+2\,x+1)}$$

Sequence: A317509
Score: 5.60761
Type of gen. func.: ogf

{-a(n + 5) - a(n + 4) + 2 a(n), a(0) = 1, a(1) = -1, a(2) = 1, a(3) = -1,

a(4) = 1}

Sequence: A317509
Score: 7.2569
Type of gen. func.: ogf

$$-(f(x)-2)\,(2\,f(x)\,x^5-f(x)\,x-f(x)+1)$$

Sequence: A317512
Score: 10.2281
Type of gen. func.: ogf

$$-\frac{3\,x^2+4}{6\,x^3-x^2+8\,x-1}$$

Sequence: A317512
Score: 11.8979
Type of gen. func.: ogf

$$-\frac{3 x^2 + 4}{6 x^3 - x^2 + 8 x - 1}$$

Sequence: A317512
Score: 5.02585
Type of gen. func.: ogf

$$-(193 f(x) - 2307) (6 f(x) x^3 - f(x) x^2 + 8 f(x) x + 3 x^2 - f(x) + 4)$$

Sequence: A317512
Score: 5.44859
Type of gen. func.: ogf

{a(n + 3) - 8 a(n + 2) + a(n + 1) - 6 a(n), a(0) = 4, a(1) = 32, a(2) = 255}

Sequence: A317513
Score: 10.0574
Type of gen. func.: ogf

$$-\frac{8 (4 x^2 + 1)}{64 x^3 - 6 x^2 + 16 x - 1}$$

Sequence: A317513
Score: 4.38401
Type of gen. func.: ogf

$$-(3 f(x) - 4112) (64 f(x) x^3 - 6 f(x) x^2 + 16 f(x) x + 32 x^2 - f(x) + 8)$$

Sequence: A317513
Score: 4.62098
Type of gen. func.: ogf

{a(n + 3) - 16 a(n + 2) + 6 a(n + 1) - 64 a(n), a(0) = 8, a(1) = 128,

a(2) = 2032}

Sequence: A317513
Score: 8.69371
Type of gen. func.: ogf

$$- \frac{8 (4 x^{2} + 1)}{64 x^{3} - 6 x^{2} + 16 x - 1}$$

Sequence: A317520
Score: 11.2471
Type of gen. func.: ogf

$$- \frac{3 x^{3} - 4}{3 x^{4} - x^{3} + 2 x^{2} - 8 x + 1}$$

Sequence: A317520
Score: 4.57919
Type of gen. func.: ogf

$$-(3554551 f(x) + 951963)$$

$$(3 f(x) x^{4} - f(x) x^{3} + 2 f(x) x^{2} + 3 x^{3} - 8 f(x) x + f(x) - 4)$$

Sequence: A317520
Score: 4.57919
Type of gen. func.: ogf

{a(n + 4) - 8 a(n + 3) + 2 a(n + 2) - a(n + 1) + 3 a(n), a(0) = 4, a(1) = 32,

a(2) = 248, a(3) = 1921}

Sequence: A317520
Score: 9.86287
Type of gen. func.: ogf

$$- \frac{3 x^{3} - 4}{3 x^{4} - x^{3} + 2 x^{2} - 8 x + 1}$$

Sequence: A317521
Score: 3.7584
Type of gen. func.: ogf

$$-\frac{30 x^{6} + 35 x^{5} - 96 x^{4} - 119 x^{3} - 7 x^{2} + 8 x + 8}{20 x^{7} + 24 x^{6} - 63 x^{5} - 84 x^{4} - 8 x^{3} + x^{2} + 15 x - 1}$$

Sequence: A317521
Score: 3.99515
Type of gen. func.: ogf

$$-\frac{30 x^{6} + 35 x^{5} - 96 x^{4} - 119 x^{3} - 7 x^{2} + 8 x + 8}{20 x^{7} + 24 x^{6} - 63 x^{5} - 84 x^{4} - 8 x^{3} + x^{2} + 15 x - 1}$$

Sequence: A317527
Score: 16.9664
Type of gen. func.: egf]

$$\frac{x^{2} (x - 3)}{2 (x - 1)^{3}}$$

Sequence: A317527
Score: 20.6348
Type of gen. func.: egf]

$$\frac{x^{2} (x - 3)}{2 (x - 1)^{3}}$$

Sequence: A317527
Score: 6.47023
Type of gen. func.: ogf

$$\{-a(n)\, n^{2} + a(n + 1)\, n - 2\, a(n)\, n - a(n + 1),\ a(0) = 0,\ a(1) = 0,\ a(2) = 3\}$$

Sequence: A317527
Score: 6.63902
Type of gen. func.: egf]

$$-(8 f(x) - 9) (2 f(x) x^3 - 6 f(x) x^2 - x^3 + 6 f(x) x + 3 x^2 - 2 f(x))$$

Sequence: A317560
Score: 3.08471
Type of gen. func.: ogf

$$\{-a(n + 6) + 6 a(n + 5) + 11 a(n + 4) - 11 a(n + 3) - 72 a(n + 2) - 54 a(n + 1)$$

$$, a(0) = 4, a(1) = 32, a(2) = 228, a(3) = 1619, a(4) = 11510, a(5) = 81814\}$$

Sequence: A317560
Score: 5.5635
Type of gen. func.: ogf

$$-\frac{(x + 1) (27 x^4 + 45 x^3 + 12 x^2 - 4 x - 4)}{54 x^5 + 72 x^4 + 11 x^3 - 11 x^2 - 6 x + 1}$$

Sequence: A317560
Score: 5.99146
Type of gen. func.: ogf

$$-\frac{(x + 1) (27 x^4 + 45 x^3 + 12 x^2 - 4 x - 4)}{54 x^5 + 72 x^4 + 11 x^3 - 11 x^2 - 6 x + 1}$$

Sequence: A317592
Score: 11.0092
Type of gen. func.: ogf

$$(f(x) + 4901) (f(x) x^2 - 2 f(x) x + f(x) + 98 x - 99)$$

Sequence: A317592
Score: 12.8679
Type of gen. func.: ogf

$$\{-a(n+2) + 2\,a(n+1) - a(n),\ a(0) = 99,\ a(1) = 100\}$$

Sequence: A317592
Score: 25.4059
Type of gen. func.: ogf

$$-\frac{98x - 99}{(x-1)^2}$$

Sequence: A317592
Score: 31.9623
Type of gen. func.: ogf

$$-\frac{98x - 99}{(x-1)^2}$$

Sequence: A317594
Score: 11.8586
Type of gen. func.: ogf

$$\{-a(n+2) + 2\,a(n+1) - a(n),\ a(0) = 999,\ a(1) = 1000\}$$

Sequence: A317594
Score: 22.8495
Type of gen. func.: ogf

$$-\frac{998x - 999}{(x-1)^2}$$

Sequence: A317594
Score: 28.3888
Type of gen. func.: ogf

$$-\frac{998x - 999}{}$$

$$(x - 1)^2$$

Sequence: A317594
Score: 9.96628
Type of gen. func.: ogf

$$(f(x) + 499001) (f(x) x^2 - 2 f(x) x + f(x) + 998 x - 999)$$

Sequence: A317613
Score: 8.36604
Type of gen. func.: ogf

$$\frac{x^7 + x^5 + 3 x^3 - 2 x^2 - x + 2}{(x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A317613
Score: 9.11804
Type of gen. func.: ogf

$$\frac{x^7 + x^5 + 3 x^3 - 2 x^2 - x + 2}{(x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A317614
Score: 12.1204
Type of gen. func.: ogf

$$\frac{x^4 + 2 x^3 + 6 x^2 + 2 x + 1}{(x + 1)^2 (x - 1)^4}$$

Sequence: A317614
Score: 13.7099
Type of gen. func.: ogf

$$x^4 + 2 x^3 + 6 x^2 + 2 x + 1$$

$$\overline{(x+1)^2 (x-1)^4}$$

Sequence: A317614
Score: 4.20254
Type of gen. func.: ogf

{-a(n + 6) + 2 a(n + 5) + a(n + 4) - 4 a(n + 3) + a(n + 2) + 2 a(n + 1) - a(n),

a(0) = 1, a(1) = 4, a(2) = 15, a(3) = 32, a(4) = 65, a(5) = 108}

Sequence: A317618
Score: 15.1009
Type of gen. func.: egf]

$$-3 f(x)^2 x + f(x)^2 + x - 1$$

Sequence: A317618
Score: 20.5541
Type of gen. func.: lgdegf]

$$\frac{1}{(3 x - 1) (x - 1)}$$

Sequence: A317628
Score: 4.03566
Type of gen. func.: ogf

$$-(f(x) x^2 - 2 f(x) x + 8218 x^2 + f(x) - 105436 x - 1782)^2$$

Sequence: A317633
Score: 11.2154
Type of gen. func.: ogf

$$\frac{x^3 + 2 x^2 + 6 x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A317633
Score: 5.60769
Type of gen. func.: ogf

$$(5 f(x) + 1522) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 2 x^2 + f(x) - 6 x - 1)$$

Sequence: A317633
Score: 5.84733
Type of gen. func.: ogf

{-a(n + 4) + a(n + 3) + a(n + 1) - a(n), a(0) = 1, a(1) = 7, a(2) = 9,

a(3) = 11}

Sequence: A317633
Score: 9.91504
Type of gen. func.: ogf

$$\frac{x^3 + 2 x^2 + 6 x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A317637
Score: 21.2284
Type of gen. func.: ogf

$$- \frac{2 x (x - 4)}{(x - 1)^4}$$

Sequence: A317637
Score: 26.3747
Type of gen. func.: ogf

$$- \frac{2 x (x - 4)}{(x - 1)^4}$$

Sequence: A317637

Score: 6.44714
Type of gen. func.: ogf

$$\{a(n + 4) - 4 a(n + 3) + 6 a(n + 2) - 4 a(n + 1) + a(n), a(0) = 0, a(1) = 8, a(2) = 30, a(3) = 72\}$$

Sequence: A317637
Score: 6.54409
Type of gen. func.: ogf

$$(14121 f(x) + 91706) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x + 2 x^2 + f(x) - 8 x)$$

Sequence: A317640
Score: 10.1847
Type of gen. func.: ogf

$$\frac{x (8 x^4 + x^3 + 12 x^2 + x + 8)}{(x^2 + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A317640
Score: 11.1783
Type of gen. func.: ogf

$$\frac{x (8 x^4 + x^3 + 12 x^2 + x + 8)}{(x^2 + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A317640
Score: 6.50087
Type of gen. func.: ogf

$$\{-a(n + 6) + a(n + 4) + a(n + 2) - a(n), a(0) = 0, a(1) = 8, a(2) = 1, a(3) = 20, a(4) = 2, a(5) = 36\}$$

Sequence: A317643
Score: 2.67301

Type of gen. func.: ogf_with_Euler_transform]

$$x^2 (2 x^{18} + 3 x^{12} - 2 x^{11} + 3 x^{10} + x^9 + x^8 + x^7 + x^6 - x^5 + 4 x^4 - x^3 + 2 x + 2) / ((x + 1) (x^2 + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x^4 + 1) (x^8 + 1))$$

Sequence: A317657
Score: 10.3477
Type of gen. func.: ogf

$$\frac{5 (x^3 + 4 x^2 + 12 x + 3)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A317657
Score: 11.6019
Type of gen. func.: ogf

$$\frac{5 (x^3 + 4 x^2 + 12 x + 3)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A317657
Score: 5.93588
Type of gen. func.: ogf

$$-(4 f(x) + 4919) (f(x) x^4 - f(x) x^3 - 5 x^3 - f(x) x - 20 x^2 + f(x) - 60 x - 15)$$

Sequence: A317657
Score: 6.32833
Type of gen. func.: ogf

$\{-a(n + 4) + a(n + 3) + a(n + 1) - a(n), a(0) = 15, a(1) = 75, a(2) = 95,$

$a(3) = 115\}$

Sequence: A317669
Score: 10.8004

Type of gen. func.: ogf

$$\frac{(x - 1)(x^2 + x + 1)}{x^5 - x^4 + x^3 + x - 1}$$

Sequence: A317669
Score: 12.0526
Type of gen. func.: ogf

$$\frac{(x - 1)(x^2 + x + 1)}{x^5 - x^4 + x^3 + x - 1}$$

Sequence: A317669
Score: 5.69611
Type of gen. func.: ogf

$\{a(n + 5) - a(n + 4) - a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 1, a(2) = 1,$

$a(3) = 1, a(4) = 1\}$

Sequence: A317669
Score: 6.65306
Type of gen. func.: ogf

$$(2 f(x) - 3)^2 (f(x) x^5 - f(x) x^4 + f(x) x^3 - x^3 + f(x) x - f(x) + 1)$$

Sequence: A317714
Score: 13.0598
Type of gen. func.: ogf

$$-\frac{x^2 (x^4 + 4 x^2 + 1)}{(x + 1)^3 (x - 1)^5}$$

Sequence: A317714
Score: 14.8927
Type of gen. func.: ogf

$$-\frac{x^2 (x^4 + 4 x^2 + 1)}{(x + 1)^3 (x - 1)^5}$$

Sequence: A317728
Score: 3.01007
Type of gen. func.: ogf

{-a(n + 6) + 6 a(n + 5) + 11 a(n + 4) + 11 a(n + 3) - 2 a(n + 2) - a(n + 1)

- 2 a(n), a(0) = 1, a(1) = 25, a(2) = 161, a(3) = 1250, a(4) = 9541,

a(5) = 72715}

Sequence: A317728
Score: 6.04907
Type of gen. func.: ogf

$$-\frac{x^5 + 3 x^4 + 2 x^3 - 19 x - 1}{2 x^6 + x^5 + 2 x^4 - 11 x^3 - 11 x^2 - 6 x + 1}$$

Sequence: A317728
Score: 6.55316
Type of gen. func.: ogf

$$-\frac{x^5 + 3 x^4 + 2 x^3 - 19 x - 1}{2 x^6 + x^5 + 2 x^4 - 11 x^3 - 11 x^2 - 6 x + 1}$$

Sequence: A317729
Score: 4.28922
Type of gen. func.: ogf

$$-\frac{2 (4 x^5 + 22 x^4 + 61 x^3 + 5 x^2 - 37 x - 1)}{(4 x^3 - 6 x^2 - 3 x - 1) (4 x^3 + 3 x^2 + 15 x - 1)}$$

Sequence: A317729
Score: 4.60402
Type of gen. func.: ogf

$$-\frac{2\,(4\,x^5+22\,x^4+61\,x^3+5\,x^2-37\,x-1)}{(4\,x^3-6\,x^2-3\,x-1)\,(4\,x^3+3\,x^2+15\,x-1)}$$

Sequence: A317735
Score: 3.86079
Type of gen. func.: ogf

$$\{a(n+6)-2\,a(n+5)-a(n+4)-a(n+3)+a(n+2)+a(n+1)+a(n),$$

$$a(0)=0,\ a(1)=1,\ a(2)=1,\ a(3)=2,\ a(4)=4,\ a(5)=9\}$$

Sequence: A317735
Score: 6.83608
Type of gen. func.: ogf

$$-\frac{x\,(x^4+2\,x^3+x^2+x-1)}{(x-1)\,(x^5+2\,x^4+3\,x^3+2\,x^2+x-1)}$$

Sequence: A317735
Score: 7.37756
Type of gen. func.: ogf

$$-\frac{x\,(x^4+2\,x^3+x^2+x-1)}{(x-1)\,(x^5+2\,x^4+3\,x^3+2\,x^2+x-1)}$$

Sequence: A317736
Score: 4.14814
Type of gen. func.: ogf

$$-\frac{x\,(x^{11}-x^{10}-7\,x^9+x^8+8\,x^7+12\,x^6+8\,x^5-4\,x^3-5\,x^2-2\,x-1)}{(x^3+2\,x^2+x+1)\,(3\,x^7+3\,x^6+x^5-3\,x^4-2\,x^3-x^2+1)}$$

Sequence: A317736
Score: 4.3325
Type of gen. func.: ogf

$$-\frac{x\,(x^{11}-x^{10}-7\,x^{9}+x^{8}+8\,x^{7}+12\,x^{6}+8\,x^{5}-4\,x^{3}-5\,x^{2}-2\,x-1)}{(x^{3}+2\,x^{2}+x+1)\,(3\,x^{7}+3\,x^{6}+x^{5}-3\,x^{4}-2\,x^{3}-x^{2}+1)}$$

Sequence: A317758
Score: 4.13855
Type of gen. func.: ogf

$$\frac{(x-1)\,(x^{2}+2\,x-1)\,(x^{6}-x^{5}-4\,x^{4}+x^{3}+2\,x^{2}-3\,x-1)}{(x^{2}-3\,x+1)\,(x^{2}+x-1)^{3}}$$

Sequence: A317758
Score: 4.40342
Type of gen. func.: ogf

$$\frac{(x-1)\,(x^{2}+2\,x-1)\,(x^{6}-x^{5}-4\,x^{4}+x^{3}+2\,x^{2}-3\,x-1)}{(x^{2}-3\,x+1)\,(x^{2}+x-1)^{3}}$$

Sequence: A317759
Score: 3.9814
Type of gen. func.: ogf

{-a(n + 6) + 2 a(n + 5) + a(n + 4) - a(n + 3) - a(n + 2), a(0) = 2, a(1) = 6,

a(2) = 10, a(3) = 20, a(4) = 42, a(5) = 89}

Sequence: A317759
Score: 7.9628
Type of gen. func.: ogf

$$\frac{x^{5}-4\,x^{3}-4\,x^{2}+2\,x+2}{(x-1)\,(x^{3}+2\,x^{2}+x-1)}$$

Sequence: A317759
Score: 8.79011
Type of gen. func.: ogf

$$\frac{x^5 - 4 x^3 - 4 x^2 + 2 x + 2}{(x - 1) (x^3 + 2 x^2 + x - 1)}$$

Sequence: A317760
Score: 3.86703
Type of gen. func.: ogf

{a(n + 6) - 2 a(n + 5) - a(n + 4) + 2 a(n + 3) + a(n + 2) - a(n + 1), a(0) = 8,

a(1) = 20, a(2) = 28, a(3) = 43, a(4) = 72, a(5) = 127}

Sequence: A317760
Score: 7.42158
Type of gen. func.: ogf

$$- \frac{8 x^5 + 6 x^4 - 17 x^3 - 20 x^2 + 4 x + 8}{(x - 1) (x^4 - 2 x^2 - x + 1)}$$

Sequence: A317760
Score: 8.07402
Type of gen. func.: ogf

$$- \frac{8 x^5 + 6 x^4 - 17 x^3 - 20 x^2 + 4 x + 8}{(x - 1) (x^4 - 2 x^2 - x + 1)}$$

Sequence: A317761
Score: 5.29906
Type of gen. func.: ogf

{-a(n + 6) + 2 a(n + 5) - a(n + 2), a(0) = 16, a(1) = 42, a(2) = 52, a(3) = 72,

a(4) = 109, a(5) = 177}

Sequence: A317761
Score: 7.46194
Type of gen. func.: ogf

$$\frac{x^5 - 19 x^4 - 32 x^3 - 32 x^2 + 10 x + 16}{(x - 1) (x^3 + x^2 + x - 1)}$$

Sequence: A317761
Score: 8.12523
Type of gen. func.: ogf

$$\frac{x^5 - 19 x^4 - 32 x^3 - 32 x^2 + 10 x + 16}{(x - 1) (x^3 + x^2 + x - 1)}$$

Sequence: A317762
Score: 4.64733
Type of gen. func.: ogf

$$\frac{x^9 + 6 x^8 - 42 x^7 - 70 x^6 - 74 x^5 - 33 x^4 + 98 x^3 + 110 x^2 - 25 x - 32}{(x - 1) (x^6 + x^5 + x^4 - 2 x^2 - x + 1)}$$

Sequence: A317762
Score: 4.90915
Type of gen. func.: ogf

$$\frac{x^9 + 6 x^8 - 42 x^7 - 70 x^6 - 74 x^5 - 33 x^4 + 98 x^3 + 110 x^2 - 25 x - 32}{(x - 1) (x^6 + x^5 + x^4 - 2 x^2 - x + 1)}$$

Sequence: A317763
Score: 4.16549
Type of gen. func.: ogf

10 9 8 7 6 5 4 3 2

$$(x + 5 x + 19 x - 107 x - 38 x - 109 x - 62 x - 24 x + 246 x + 2 x - 64) / ((x - 1) (x^3 + x^2 - 1) (x^3 - x^2 + 2 x - 1))$$

Sequence: A317763
Score: 4.37247
Type of gen. func.: ogf

$$(x^{10} + 5 x^9 + 19 x^8 - 107 x^7 - 38 x^6 - 109 x^5 - 62 x^4 - 24 x^3 + 246 x^2 + 2 x - 64) / ((x - 1) (x^3 + x^2 - 1) (x^3 - x^2 + 2 x - 1))$$

Sequence: A317767
Score: 5.34009
Type of gen. func.: ogf

$$\{a(n + 6) - a(n + 5) - 2 a(n + 3) + a(n), a(0) = 2, a(1) = 3, a(2) = 4, a(3) = 7, a(4) = 11, a(5) = 18\}$$

Sequence: A317767
Score: 8.52014
Type of gen. func.: ogf

$$- \frac{(x - 1) (x^4 + 3 x^3 + 4 x^2 + 3 x + 2)}{x^6 - 2 x^3 - x + 1}$$

Sequence: A317767
Score: 9.36164
Type of gen. func.: ogf

$$- \frac{(x - 1) (x^4 + 3 x^3 + 4 x^2 + 3 x + 2)}{x^6 - 2 x^3 - x + 1}$$

Sequence: A317779
Score: 5.42437

Type of gen. func.: ogf

$$-\frac{x^9 + 2x^8 + 2x^7 - x^6 - 3x^5 - 2x^4 + x^2 - 1}{x^{10} + x^9 + x^8 - x^7 - x^6 - x^3 - x^2 - x + 1}$$

Sequence: A317779
Score: 5.73882
Type of gen. func.: ogf

$$-\frac{x^9 + 2x^8 + 2x^7 - x^6 - 3x^5 - 2x^4 + x^2 - 1}{x^{10} + x^9 + x^8 - x^7 - x^6 - x^3 - x^2 - x + 1}$$

Sequence: A317780
Score: 17.6367
Type of gen. func.: ogf

$$\frac{1}{(x^5 - 2x^4 + x^3 - 2x + 1)^2}$$

Sequence: A317780
Score: 21.4501
Type of gen. func.: ogf

$$\frac{1}{(x^5 - 2x^4 + x^3 - 2x + 1)^2}$$

Sequence: A317781
Score: 13.7359
Type of gen. func.: ogf

$$\frac{(x - 1)^2}{(x^5 - 2x^4 + x^3 - 2x + 1)^3}$$

Sequence: A317781
Score: 15.9786
Type of gen. func.: ogf

$$\frac{(x-1)^2}{(x^5 - 2x^4 + x^3 - 2x + 1)^3}$$

Sequence: A317783
Score: 10.1195
Type of gen. func.: ogf

$$-\frac{x^4 + x^3 - x + 1}{(x^2 - x + 1)(x^3 + x^2 + x - 1)}$$

Sequence: A317783
Score: 5.61424
Type of gen. func.: ogf

{a(n + 5) - 2 a(n + 4) + a(n + 3) - a(n + 2) - a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 3, a(4) = 7}

Sequence: A317783
Score: 9.20987
Type of gen. func.: ogf

$$-\frac{x^4 + x^3 - x + 1}{(x^2 - x + 1)(x^3 + x^2 + x - 1)}$$

Sequence: A317790
Score: 4.66158
Type of gen. func.: ogf

{-a(n + 6) + 2 a(n + 5) - a(n + 4) + a(n + 2) - 2 a(n + 1) + a(n), a(0) = 1, a(1) = 1, a(2) = 7, a(3) = 7, a(4) = 13, a(5) = 19}

Sequence: A317790
Score: 8.55424
Type of gen. func.: ogf

$$-\frac{x^5 + 5 x^4 - 6 x^3 + 6 x^2 - x + 1}{(x + 1) (x^2 + 1) (x - 1)^3}$$

Sequence: A317790
Score: 9.32316
Type of gen. func.: ogf

$$-\frac{x^5 + 5 x^4 - 6 x^3 + 6 x^2 - x + 1}{(x + 1) (x^2 + 1) (x - 1)^3}$$

Sequence: A317793
Score: 4.63599
Type of gen. func.: ogf

$$-(1727495 f(x) - 1955636) (24 f(x) x^4 + 14 f(x) x^3 - 13 f(x) x^2 + 48 x^3 - 2 f(x) x + 21 x^2 + f(x) - 13 x - 1)$$

Sequence: A317793
Score: 5.22782
Type of gen. func.: ogf

$\{-a(n + 4) + 2 a(n + 3) + 13 a(n + 2) - 14 a(n + 1) - 24 a(n), a(0) = 1,$

$a(1) = 15, a(2) = 22, a(3) = 177\}$

Sequence: A317793
Score: 8.0122
Type of gen. func.: ogf

$$-\frac{48 x^3 + 21 x^2 - 13 x - 1}{(4 x - 1) (2 x - 1) (3 x + 1) (x + 1)}$$

Sequence: A317793
Score: 8.77527
Type of gen. func.: ogf

$$-\frac{48x^3+21x^2-13x-1}{(4x-1)(2x-1)(3x+1)(x+1)}$$

Sequence: A317809
Score: 3.59248
Type of gen. func.: ogf

{-a(n + 6) + 2 a(n + 5) + a(n + 4) + a(n + 3) - a(n + 2) - a(n + 1) - a(n),

a(0) = 1, a(1) = 2, a(2) = 2, a(3) = 3, a(4) = 5, a(5) = 10}

Sequence: A317809
Score: 6.93597
Type of gen. func.: ogf

$$-\frac{(2x^3+2x-1)(x+1)^2}{(x-1)(x^5+2x^4+3x^3+2x^2+x-1)}$$

Sequence: A317809
Score: 7.53262
Type of gen. func.: ogf

$$-\frac{(2x^3+2x-1)(x+1)^2}{(x-1)(x^5+2x^4+3x^3+2x^2+x-1)}$$

Sequence: A317817
Score: 3.77724
Type of gen. func.: ogf

{a(n + 6) - 3 a(n + 5) - a(n + 4) + 3 a(n + 2) + 2 a(n + 1) + a(n), a(0) = 1,

a(1) = 5, a(2) = 16, a(3) = 50, a(4) = 160, a(5) = 511}

Sequence: A317817
Score: 7.39203
Type of gen. func.: ogf

$$-\frac{2x^5+3x^4+3x^3-2x-1}{x^6+2x^5+3x^4-x^2-3x+1}$$

Sequence: A317817
Score: 8.08775
Type of gen. func.: ogf

$$-\frac{2x^5+3x^4+3x^3-2x-1}{x^6+2x^5+3x^4-x^2-3x+1}$$

Sequence: A317849
Score: 12.9246
Type of gen. func.: ogf

$$-\frac{x^2-x+1}{(x^2-3x+1)(x-1)^3}$$

Sequence: A317849
Score: 14.7385
Type of gen. func.: ogf

$$-\frac{x^2-x+1}{(x^2-3x+1)(x-1)^3}$$

Sequence: A317849
Score: 4.94174
Type of gen. func.: ogf

{a(n + 5) - 6 a(n + 4) + 13 a(n + 3) - 13 a(n + 2) + 6 a(n + 1) - a(n),

a(0) = 1, a(1) = 5, a(2) = 18, a(3) = 56, a(4) = 161}

Sequence: A317857
Score: 4.9156
Type of gen. func.: ogf

$$-\frac{(x^3 - x^2 - x - 1)(2 x^4 - 3 x^3 - 3 x^2 + x + 1)}{(x - 1)(x^7 - 3 x^6 + x^5 + 2 x^3 + 4 x^2 - 1)}$$

Sequence: A317857
Score: 5.22044
Type of gen. func.: ogf

$$-\frac{(x^3 - x^2 - x - 1)(2 x^4 - 3 x^3 - 3 x^2 + x + 1)}{(x - 1)(x^7 - 3 x^6 + x^5 + 2 x^3 + 4 x^2 - 1)}$$

Sequence: A317890
Score: 3.6418
Type of gen. func.: ogf

$$\{a(n + 6) - 2 a(n + 5) - a(n + 4) - 2 a(n + 3) - 3 a(n + 2) - a(n + 1),$$

$$a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 2, a(4) = 5, a(5) = 16\}$$

Sequence: A317890
Score: 7.20529
Type of gen. func.: ogf

$$\frac{x (x^4 + 2 x^3 + x^2 + x - 1)}{x^5 + 3 x^4 + 2 x^3 + x^2 + 2 x - 1}$$

Sequence: A317890
Score: 7.88343
Type of gen. func.: ogf

$$\frac{x (x^4 + 2 x^3 + x^2 + x - 1)}{x^5 + 3 x^4 + 2 x^3 + x^2 + 2 x - 1}$$

```
------------------------------------------------------------------------------

Sequence:  A317914
Score: 3.02592
Type of gen. func.: ogf


(7383988046334900 f(x) + 20205849093090693414498483143035429)

           2
    (f(x) x  - 2 f(x) x + f(x) + 138407331356031973 x - 142099325379199423)



------------------------------------------------------------------------------

Sequence:  A317914
Score: 4.70698
Type of gen. func.: ogf


{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 142099325379199423,

    a(1) = 145791319402366873}



------------------------------------------------------------------------------

Sequence:  A317914
Score: 7.15991
Type of gen. func.: ogf


                    138407331356031973 x - 142099325379199423
                  - -----------------------------------------
                                                   2
                                            (x - 1)



------------------------------------------------------------------------------

Sequence:  A317914
Score: 8.06911
Type of gen. func.: ogf


                    138407331356031973 x - 142099325379199423
                  - -----------------------------------------
                                                   2
                                            (x - 1)



------------------------------------------------------------------------------

Sequence:  A317933
Score: 4.65396
Type of gen. func.: ogf


      50      49       48      47    34    33      32      31    17    16
- (3 x   - 8 x   + 14 x   - 6 x   - x   - x   + 5 x   - 4 x   + x   + x

          15        /
     - 2 x   - 1)  /  ((x - 1)
                  /
```

$$(x^{50} - 2 x^{49} + 4 x^{48} - x^{34} + x^{33} - x^{32} + x^{17} - x^{16} - 1))$$

Sequence: A317933
Score: 4.83558
Type of gen. func.: ogf

$$- (3 x^{50} - 8 x^{49} + 14 x^{48} - 6 x^{47} - x^{34} - x^{33} + 5 x^{32} - 4 x^{31} + x^{17} + x^{16} - 2 x^{15} - 1) / ((x - 1) (x^{50} - 2 x^{49} + 4 x^{48} - x^{34} + x^{33} - x^{32} + x^{17} - x^{16} - 1))$$

Sequence: A317945
Score: 12.2528
Type of gen. func.: ogf

$$-(f(x) + 1) (f(x) x^{2} - 2 f(x) x + f(x) - 1)$$

Sequence: A317945
Score: 14.0741
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A317945
Score: 49.5945
Type of gen. func.: ogf

$$\frac{1}{(x - 1)^{2}}$$

Sequence: A317945
Score: 80.1142
Type of gen. func.: ogf

$$\frac{1}{\quad^{2}}$$

$$(x - 1)$$

Sequence: A317973
Score: 10.3803
Type of gen. func.: ogf

$$- \frac{2 x^{3} - x^{2} - 4 x + 1}{x^{4} - 2 x^{3} - 2 x^{2} - 2 x + 1}$$

Sequence: A317973
Score: 11.5838
Type of gen. func.: ogf

$$- \frac{2 x^{3} - x^{2} - 4 x + 1}{x^{4} - 2 x^{3} - 2 x^{2} - 2 x + 1}$$

Sequence: A317973
Score: 5.58938
Type of gen. func.: ogf

$$-(95 f(x) - 21)$$

$$(f(x) x^{4} - 2 f(x) x^{3} - 2 f(x) x^{2} + 2 x^{3} - 2 f(x) x - x^{2} + f(x) - 4 x + 1)$$

Sequence: A317973
Score: 5.96479
Type of gen. func.: ogf

{-a(n + 4) + 2 a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = -1, a(1) = 2,

a(2) = 3, a(3) = 6}

Sequence: A317974
Score: 11.9925
Type of gen. func.: ogf

$$- \frac{x^{2} (x - 1)}{}$$

$$x^{4} - 2 x^{3} - 2 x^{2} - 2 x + 1$$

Sequence: A317974
Score: 13.6757
Type of gen. func.: ogf

$$-\frac{x^{2} (x - 1)}{x^{4} - 2 x^{3} - 2 x^{2} - 2 x + 1}$$

Sequence: A317974
Score: 5.90542
Type of gen. func.: ogf

$\{a(n + 4) - 2 a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 0,$

$a(2) = 1, a(3) = 1\}$

Sequence: A317974
Score: 6.04275
Type of gen. func.: ogf

$$(3 f(x) + 1) (f(x) x^{4} - 2 f(x) x^{3} - 2 f(x) x^{2} + x^{3} - 2 f(x) x - x^{2} + f(x))$$

Sequence: A317975
Score: 10.5842
Type of gen. func.: ogf

$$-\frac{x (4 x^{2} + x - 1)}{x^{4} - 2 x^{3} - 2 x^{2} - 2 x + 1}$$

Sequence: A317975
Score: 11.8869
Type of gen. func.: ogf

$$-\frac{x (4 x^{2} + x - 1)}{{}^{4} \qquad {}^{3} \qquad {}^{2}}$$

$$x - 2 x - 2 x - 2 x + 1$$

Sequence: A317975
Score: 5.72331
Type of gen. func.: ogf

$$(40 f(x) - 99) (f(x) x^4 - 2 f(x) x^3 - 2 f(x) x^2 + 4 x^3 - 2 f(x) x + x^2 + f(x) - x)$$

Sequence: A317975
Score: 5.85339
Type of gen. func.: ogf

$$\{-a(n + 4) + 2 a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 0\}$$

Sequence: A317976
Score: 15.206
Type of gen. func.: ogf

$$- \frac{x^2 (2 x - 1)}{x^4 - 2 x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A317976
Score: 17.3401
Type of gen. func.: ogf

$$- \frac{x^2 (2 x - 1)}{x^4 - 2 x^3 - 2 x^2 - 2 x + 1}$$

Sequence: A317976
Score: 7.54494
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 0\}$$

Sequence: A317976
Score: 7.66191
Type of gen. func.: ogf

$$(2 f(x) + 1) (f(x) x^4 - 2 f(x) x^3 - 2 f(x) x^2 + 2 x^3 - 2 f(x) x - x^2 + f(x))$$

Sequence: A317981
Score: 7.49218
Type of gen. func.: ogf

$$-\frac{x^6 - 132 x^5 - 8007 x^4 - 42272 x^3 - 42237 x^2 - 8028 x - 125}{(x - 1)^8}$$

Sequence: A317981
Score: 8.18112
Type of gen. func.: ogf

$$-\frac{x^6 - 132 x^5 - 8007 x^4 - 42272 x^3 - 42237 x^2 - 8028 x - 125}{(x - 1)^8}$$

Sequence: A317982
Score: 10.2951
Type of gen. func.: ogf

$$-\frac{14 (29 x^4 + 784 x^3 + 1974 x^2 + 784 x + 29)}{(x - 1)^7}$$

Sequence: A317982
Score: 11.6024
Type of gen. func.: ogf

$$-\frac{14 (29 x^4 + 784 x^3 + 1974 x^2 + 784 x + 29)}{{}^{7}}$$

$$(x - 1)$$

Sequence: A317983
Score: 12.3808
Type of gen. func.: ogf

$$\frac{420 (x + 1) (x^2 + 10 x + 1)}{(x - 1)^6}$$

Sequence: A317983
Score: 14.2855
Type of gen. func.: ogf

$$\frac{420 (x + 1) (x^2 + 10 x + 1)}{(x - 1)^6}$$

Sequence: A317984
Score: 16.5718
Type of gen. func.: ogf

$$- \frac{140 (x^2 + 4 x + 1)}{(x - 1)^5}$$

Sequence: A317984
Score: 19.9711
Type of gen. func.: ogf

$$- \frac{140 (x^2 + 4 x + 1)}{(x - 1)^5}$$

Sequence: A317984
Score: 4.27953
Type of gen. func.: ogf

$\{a(n + 5) - 5 a(n + 4) + 10 a(n + 3) - 10 a(n + 2) + 5 a(n + 1) - a(n),$

$a(0) = 140, a(1) = 1260, a(2) = 5040, a(3) = 14000, a(4) = 31500\}$

Sequence: A317996
Score: 32.5751
Type of gen. func.: lgdegf]

$$\exp(-3 x)$$

Sequence: A318010
Score: 10.9838
Type of gen. func.: ogf

$$- \frac{x^3 - 2}{x^4 - x^3 + 2 x^2 - 4 x + 1}$$

Sequence: A318010
Score: 4.6035
Type of gen. func.: ogf

$\{a(n + 4) - 4 a(n + 3) + 2 a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 8,$

$a(2) = 28, a(3) = 97\}$

Sequence: A318010
Score: 4.70734
Type of gen. func.: ogf

$$-(217 f(x) + 151) (f(x) x^4 - f(x) x^3 + 2 f(x) x^2 + x^3 - 4 f(x) x + f(x) - 2)$$

Sequence: A318010
Score: 9.63195
Type of gen. func.: ogf

$$- \frac{x^3 - 2}{x^4 - x^3 + 2 x^2 - 4 x + 1}$$

Sequence: A318018
Score: 5.92084
Type of gen. func.: ogf

$$- \frac{x^{6} + 2 x^{5} - x^{4} - 7 x^{3} - 4 x^{2} + 2 x + 2}{(x - 1) (x^{6} - 2 x^{3} - 4 x^{2} - x + 1)}$$

Sequence: A318018
Score: 6.37195
Type of gen. func.: ogf

$$- \frac{x^{6} + 2 x^{5} - x^{4} - 7 x^{3} - 4 x^{2} + 2 x + 2}{(x - 1) (x^{6} - 2 x^{3} - 4 x^{2} - x + 1)}$$

Sequence: A318026
Score: 14.5494
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^{2} + x + 1}{(x - 1) (x^{2} + x + 1)}$$

Sequence: A318027
Score: 11.3872
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^{3} + x^{2} + x + 1}{(x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A318028
Score: 9.34839
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^{4} + x^{3} + x^{2} + x + 1}{}$$

$$(x - 1) (x^4 + x^3 + x^2 + x + 1)$$

Sequence: A318031
Score: 4.45595
Type of gen. func.: ogf

$\{-a(n + 6) + a(n + 5) + 4 a(n + 3) + a(n + 1) - a(n), a(0) = 2, a(1) = 3,$

$a(2) = 6, a(3) = 11, a(4) = 22, a(5) = 46\}$

Sequence: A318031
Score: 7.10304
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^2 + x + 2) (2 x^2 + x + 1)}{x^6 - x^5 - 4 x^3 - x + 1}$$

Sequence: A318031
Score: 7.71406
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^2 + x + 2) (2 x^2 + x + 1)}{x^6 - x^5 - 4 x^3 - x + 1}$$

Sequence: A318039
Score: 3.11787
Type of gen. func.: ogf

$\{a(n + 7) - 3 a(n + 6) + a(n + 5) - a(n + 4) - a(n + 3) + 2 a(n + 2) + a(n + 1)$

$, a(0) = 1, a(1) = 2, a(2) = 2, a(3) = 3, a(4) = 6, a(5) = 17, a(6) = 46\}$

Sequence: A318039
Score: 6.17852
Type of gen. func.: ogf

$$\frac{x^6 - 4 x^4 - 2 x^3 - 3 x^2 - x + 1}{}$$

$$(x-1)(x^5+3x^4+2x^3+x^2+2x-1)$$

Sequence: A318039
Score: 6.66791
Type of gen. func.: ogf

$$\frac{x^6-4x^4-2x^3-3x^2-x+1}{(x-1)(x^5+3x^4+2x^3+x^2+2x-1)}$$

Sequence: A318054
Score: 16.9638
Type of gen. func.: ogf

$$-\frac{x(2x^2-3x+2)}{(x-1)^5}$$

Sequence: A318054
Score: 20.2738
Type of gen. func.: ogf

$$-\frac{x(2x^2-3x+2)}{(x-1)^5}$$

Sequence: A318054
Score: 4.9774
Type of gen. func.: ogf

{-a(n + 5) + 5 a(n + 4) - 10 a(n + 3) + 10 a(n + 2) - 5 a(n + 1) + a(n),

a(0) = 0, a(1) = 2, a(2) = 7, a(3) = 17, a(4) = 35}

Sequence: A318062
Score: 4.65024
Type of gen. func.: ogf

-(125 f(x) + 66)

$$(f(x) x^4 + f(x) x^3 - 3 f(x) x^2 + x^3 - 3 f(x) x + f(x) - 2 x - 1)$$

Sequence: A318062
Score: 4.65024
Type of gen. func.: ogf

$\{a(n + 4) - 3 a(n + 3) - 3 a(n + 2) + a(n + 1) + a(n), a(0) = 1, a(1) = 5,$

$a(2) = 18, a(3) = 67\}$

Sequence: A318062
Score: 7.80781
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^2 - x - 1)}{x^4 + x^3 - 3 x^2 - 3 x + 1}$$

Sequence: A318062
Score: 8.66346
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^2 - x - 1)}{x^4 + x^3 - 3 x^2 - 3 x + 1}$$

Sequence: A318070
Score: 5.01408
Type of gen. func.: ogf

$$\frac{4 x^9 - 12 x^8 + 4 x^7 - 14 x^6 - 12 x^5 + 17 x^4 + 9 x^3 + 6 x^2 - 2 x - 4}{(x - 1) (6 x^5 - 3 x^3 - 2 x^2 - x + 1)}$$

Sequence: A318070
Score: 5.32503
Type of gen. func.: ogf

$$\frac{4 x^{9} - 12 x^{8} + 4 x^{7} - 14 x^{6} - 12 x^{5} + 17 x^{4} + 9 x^{3} + 6 x^{2} - 2 x - 4}{(x - 1) (6 x^{5} - 3 x^{3} - 2 x^{2} - x + 1)}$$

Sequence: A318108
Score: 9.54198
Type of gen. func.: ogf

$$\frac{\mathrm{hypergeom}([1/3, 2/3], [1], \frac{27 x}{(3 x + 1)^{3}})}{3 x + 1}$$

Sequence: A318109
Score: 10.3588
Type of gen. func.: ogf

$$\frac{\mathrm{hypergeom}([1/3, 2/3], [1], \frac{27 x}{(2 x + 1)^{3}})}{2 x + 1}$$

Sequence: A318111
Score: 10.032
Type of gen. func.: ogf

$$- \frac{3 x^{6} - 11 x^{5} + 14 x^{4} - 6 x^{3} - 3 x^{2} + 3 x - 1}{(x - 1)^{4}}$$

Sequence: A318111
Score: 11.1624
Type of gen. func.: ogf

$$- \frac{3 x^{6} - 11 x^{5} + 14 x^{4} - 6 x^{3} - 3 x^{2} + 3 x - 1}{(x - 1)^{4}}$$

Sequence: A318111
Score: 4.37861
Type of gen. func.: ogf

{a(n + 7) - 4 a(n + 6) + 6 a(n + 5) - 4 a(n + 4) + a(n + 3), a(0) = 1, a(1) = 1,

a(2) = 1, a(3) = 8, a(4) = 15, a(5) = 26, a(6) = 42}

Sequence: A318119
Score: 8.40175
Type of gen. func.: ogf

$$\frac{40 x^2 (x + 1) (14 x^4 + 202 x^3 + 535 x^2 + 202 x + 14)}{(x - 1)^{10}}$$

Sequence: A318119
Score: 9.25256
Type of gen. func.: ogf

$$\frac{40 x^2 (x + 1) (14 x^4 + 202 x^3 + 535 x^2 + 202 x + 14)}{(x - 1)^{10}}$$

Sequence: A318159
Score: 18.7264
Type of gen. func.: ogf

$$\frac{34 x^2 + 28 x + 1}{(x - 1)^4}$$

Sequence: A318159
Score: 23.0067
Type of gen. func.: ogf

$$\frac{34 x^2 + 28 x + 1}{(x - 1)^4}$$

Sequence: A318159
Score: 5.51531
Type of gen. func.: ogf

$$(29039409 f(x) + 748562303)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 34 x^2 + f(x) - 28 x - 1)$$

Sequence: A318159
Score: 5.79306
Type of gen. func.: ogf

$$\{-a(n + 4) + 4 a(n + 3) - 6 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 1, a(1) = 32,$$
$$a(2) = 156, a(3) = 436\}$$

Sequence: A318168
Score: 6.1306
Type of gen. func.: ogf

$$\frac{2 (5 x^{17} + x^{16} + 6 x^{14} - 11 x^{13} - x^{12} - 3 x^4 + 6 x^3 + 6 x^2 + 12 x + 9)}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A318168
Score: 6.51376
Type of gen. func.: ogf

$$\frac{2 (5 x^{17} + x^{16} + 6 x^{14} - 11 x^{13} - x^{12} - 3 x^4 + 6 x^3 + 6 x^2 + 12 x + 9)}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A318174
Score: 11.9853
Type of gen. func.: ogf

$$\mathrm{hypergeom}([5/12, \frac{13}{12}], [2], 1728 x)$$

Sequence: A318179
Score: 32.0082
Type of gen. func.: lgdegf]

$$\exp(-4 x)$$

Sequence: A318180
Score: 30.7816
Type of gen. func.: lgdegf]

$$\exp(-5 x)$$

Sequence: A318181
Score: 32.7135
Type of gen. func.: lgdegf]

$$\exp(-6 x)$$

Sequence: A318187
Score: 3.98963
Type of gen. func.: ogf

$$(2 f(x) x - f(x) - 2 x + 2)^3$$

Sequence: A318200
Score: 12.0919
Type of gen. func.: ogf

$$\mathrm{hypergeom}([\frac{13}{12}, \frac{17}{12}], [3], 1728 x)$$

Sequence: A318201
Score: 12.2751
Type of gen. func.: ogf

$$\mathrm{hypergeom}([\frac{17}{12}, \frac{25}{12}], [4], 1728 x)$$

Sequence: A318215
Score: 19.9104
Type of gen. func.: lgdegf]

$$-\frac{x-1}{(x+1)^3}$$

Sequence: A318215
Score: 3.50844
Type of gen. func.: ogf

$$\{-a(n)\,n^3 - 3\,a(n+1)\,n^2 - 3\,a(n)\,n^2 - 3\,a(n+2)\,n - 10\,a(n+1)\,n - 2\,a(n)\,n - a(n+3) - 5\,a(n+2) - 8\,a(n+1),\ a(0) = 1,\ a(1) = 1,\ a(2) = -3\}$$

Sequence: A318217
Score: 3.53889
Type of gen. func.: ogf

$$-\frac{x\,(x-1)\,(x^8 + 4\,x^7 - 2\,x^6 + 5\,x^5 + 2\,x^3 + x^2 - 1)}{2\,x^{11} - 4\,x^{10} - 8\,x^8 + x^7 - 3\,x^6 + 3\,x^5 - 5\,x^4 + x^3 - x^2 + 5\,x - 1}$$

Sequence: A318217
Score: 3.71258
Type of gen. func.: ogf

$$-\frac{x\,(x-1)\,(x^8 + 4\,x^7 - 2\,x^6 + 5\,x^5 + 2\,x^3 + x^2 - 1)}{2\,x^{11} - 4\,x^{10} - 8\,x^8 + x^7 - 3\,x^6 + 3\,x^5 - 5\,x^4 + x^3 - x^2 + 5\,x - 1}$$

Sequence: A318223
Score: 33.3575
Type of gen. func.: lgdegf]

$$\frac{1}{(2\,x+1)^2}$$

Sequence: A318223
Score: 6.35381
Type of gen. func.: ogf

$$\{-4 a(n) n^2 - 4 a(n) n - 4 a(n + 1) n - a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 1\}$$

Sequence: A318223
Score: 6.35381
Type of gen. func.: ogf

$$\{-4 a(n) n^2 - 4 a(n) n - 4 a(n + 1) n - a(n + 2) - 3 a(n + 1), a(0) = 1, a(1) = 1\}$$

Sequence: A318236
Score: 14.7222
Type of gen. func.: ogf

$$-\frac{8 x - 5}{(16 x - 1) (x - 1)}$$

Sequence: A318236
Score: 17.5264
Type of gen. func.: ogf

$$-\frac{8 x - 5}{(16 x - 1) (x - 1)}$$

Sequence: A318236
Score: 7.66781
Type of gen. func.: ogf

$$-(1149 f(x) + 184) (16 f(x) x^2 - 17 f(x) x + f(x) + 8 x - 5)$$

Sequence: A318236
Score: 9.55987

Type of gen. func.: ogf

{a(n + 2) - 17 a(n + 1) + 16 a(n), a(0) = 5, a(1) = 77}

Sequence: A318267
Score: 8.64557
Type of gen. func.: ogf

$$-\frac{x^2 (3 x^4 + x^3 + 6 x^2 + 3 x + 1)}{(x - 1)^2 (x^2 + x - 1)^3}$$

Sequence: A318267
Score: 9.54381
Type of gen. func.: ogf

$$-\frac{x^2 (3 x^4 + x^3 + 6 x^2 + 3 x + 1)}{(x - 1)^2 (x^2 + x - 1)^3}$$

Sequence: A318268
Score: 7.51503
Type of gen. func.: ogf

$$-\frac{2 x^3 (2 x^6 + 2 x^5 + 15 x^4 + 20 x^3 + 23 x^2 + 10 x + 1)}{(x - 1)^3 (x^2 + x - 1)^4}$$

Sequence: A318268
Score: 8.13482
Type of gen. func.: ogf

$$-\frac{2 x^3 (2 x^6 + 2 x^5 + 15 x^4 + 20 x^3 + 23 x^2 + 10 x + 1)}{(x - 1)^3 (x^2 + x - 1)^4}$$

Sequence: A318293
Score: 3.63313

Type of gen. func.: egf]

$$\{a(n + 6) n^2 + 11 a(n + 6) n + a(n + 5) n + 30 a(n + 6) + 5 a(n + 5) + a(n + 1), a(0) = 0, a(1) = 1, a(2) = -1/2, a(3) = 1/6, a(4) = \frac{-1}{24}, a(5) = 1/120\}$$

Sequence: A318338
Score: 3.49135
Type of gen. func.: ogf

$$\{-a(n + 6) + 2 a(n + 5) + 2 a(n + 4) - 3 a(n + 3) - 2 a(n + 2) + 2 a(n + 1), a(0) = 4, a(1) = 10, a(2) = 20, a(3) = 36, a(4) = 76, a(5) = 160\}$$

Sequence: A318338
Score: 6.56789
Type of gen. func.: ogf

$$-\frac{2 (x + 1) (4 x^4 - 3 x^3 - 3 x^2 - x + 2)}{(x - 1) (2 x^4 - 3 x^2 - x + 1)}$$

Sequence: A318338
Score: 7.13287
Type of gen. func.: ogf

$$-\frac{2 (x + 1) (4 x^4 - 3 x^3 - 3 x^2 - x + 2)}{(x - 1) (2 x^4 - 3 x^2 - x + 1)}$$

Sequence: A318339
Score: 5.02245
Type of gen. func.: ogf

$$-\frac{8 x^8 + 3 x^7 - 19 x^6 - 7 x^5 + 43 x^4 + 57 x^3 + 16 x^2 - 12 x - 8}{(x - 1) (x^7 - 2 x^5 + 5 x^3 + 4 x^2 - 1)}$$

Sequence: A318339
Score: 5.33153
Type of gen. func.: ogf

$$-\frac{8x^8+3x^7-19x^6-7x^5+43x^4+57x^3+16x^2-12x-8}{(x-1)(x^7-2x^5+5x^3+4x^2-1)}$$

Sequence: A318356
Score: 3.63313
Type of gen. func.: egf]

$$\{a(n+6)n^2+11a(n+6)n+a(n+5)n+30a(n+6)+5a(n+5)-a(n+1)$$

$$, a(0)=0, a(1)=1, a(2)=-1/2, a(3)=1/6, a(4)=\frac{-1}{24}, a(5)=1/120\}$$

Sequence: A318364
Score: 13.3945
Type of gen. func.: lgdegf]

$$-\frac{\exp(x)(x^2-x-1)}{(x-1)^2}$$

Sequence: A318365
Score: 14.1423
Type of gen. func.: lgdegf]

$$\frac{\exp(-x)(x^2-x+1)}{(x-1)^2}$$

Sequence: A318376
Score: 10.0503
Type of gen. func.: ogf

$$-\frac{3x^3+4x^2+2x-1}{{}^{2}\qquad\qquad{}^{2}}$$

$$(x + 4 x - 1) (x - x - 1)$$

Sequence: A318376
Score: 11.1517
Type of gen. func.: ogf

$$-\frac{3 x^3 + 4 x^2 + 2 x - 1}{(x^2 + 4 x - 1) (x^2 - x - 1)}$$

Sequence: A318376
Score: 5.50048
Type of gen. func.: ogf

$-(12266 f(x) + 5705)$

$$(f(x) x^4 + 3 f(x) x^3 - 6 f(x) x^2 + 3 x^3 - 3 f(x) x + 4 x^2 + f(x) + 2 x - 1)$$

Sequence: A318376
Score: 6.03016
Type of gen. func.: ogf

$\{-a(n + 4) + 3 a(n + 3) + 6 a(n + 2) - 3 a(n + 1) - a(n), a(0) = 1, a(1) = 1,$

$a(2) = 5, a(3) = 15\}$

Sequence: A318404
Score: 4.29747
Type of gen. func.: ogf

$\{a(n + 5) - 5 a(n + 4) - 15 a(n + 3) + 15 a(n + 2) + 5 a(n + 1) - a(n),$

$a(0) = 1, a(1) = 1, a(2) = 12, a(3) = 49, a(4) = 409\}$

Sequence: A318404
Score: 7.16245
Type of gen. func.: ogf

$$-\frac{4 x^4 - 11 x^3 - 8 x^2 - 4 x + 1}{(x - 1) (x^2 + 3 x + 1) (x^2 - 7 x + 1)}$$

Sequence: A318404
Score: 7.77202
Type of gen. func.: ogf

$$-\frac{4x^4-11x^3-8x^2-4x+1}{(x-1)(x^2+3x+1)(x^2-7x+1)}$$

Sequence: A318406
Score: 10.64
Type of gen. func.: ogf

$$\frac{x(x-1)(x+1)(x^2-x-1)}{2x^6+2x^4-4x^2+1}$$

Sequence: A318406
Score: 11.6909
Type of gen. func.: ogf

$$\frac{x(x-1)(x+1)(x^2-x-1)}{2x^6+2x^4-4x^2+1}$$

Sequence: A318406
Score: 6.81267
Type of gen. func.: ogf

{a(n + 6) - 4 a(n + 4) + 2 a(n + 2) + 2 a(n), a(0) = 0, a(1) = 1, a(2) = 1,

a(3) = 2, a(4) = 3, a(5) = 7}

Sequence: A318417
Score: 6.02991
Type of gen. func.: ogf

$$-I\,(32x-1)^{1/2}\ \mathrm{LegendreP}\left(-1/2,\ \frac{48x-1}{16x-1}\right)$$

$$\frac{}{((32 x - 1) (16 x - 1))^{1/2}}$$

Sequence: A318535
Score: 5.56638
Type of gen. func.: ogf

$$\frac{x^{20} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A318535
Score: 5.81106
Type of gen. func.: ogf

$$\frac{x^{20} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A318536
Score: 5.65146
Type of gen. func.: ogf

$$\frac{x^{11} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A318536
Score: 5.89988
Type of gen. func.: ogf

$$\frac{x^{11} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A318540
Score: 6.22055
Type of gen. func.: ogf

$$\frac{x^7 - x^6 + 4 x^5 - x^4 + 2 x^3 - 3 x^2 - 3}{(x^2 + 1) (x^5 + 2 x^3 + x^2 + x - 1)}$$

Sequence: A318540
Score: 6.67711
Type of gen. func.: ogf

$$\frac{x^7 - x^6 + 4 x^5 - x^4 + 2 x^3 - 3 x^2 - 3}{(x^2 + 1) (x^5 + 2 x^3 + x^2 + x - 1)}$$

Sequence: A318609
Score: 15.2481
Type of gen. func.: ogf

$$\frac{2 (x - 1)}{(3 x - 1) (3 x^2 + 1)}$$

Sequence: A318609
Score: 17.9589
Type of gen. func.: ogf

$$\frac{2 (x - 1)}{(3 x - 1) (3 x^2 + 1)}$$

Sequence: A318609
Score: 7.69668
Type of gen. func.: ogf

$$(16 f(x) - 77) (9 f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) - 2 x + 2)$$

Sequence: A318609
Score: 7.77068
Type of gen. func.: ogf

$$\{-a(n+3) + 3 a(n+2) - 3 a(n+1) + 9 a(n), a(0) = 2, a(1) = 4, a(2) = 6\}$$

Sequence: A318610
Score: 10.4955
Type of gen. func.: ogf

$$9 f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - f(x) + 4 x$$

Sequence: A318610
Score: 17.9589
Type of gen. func.: ogf

$$-\frac{4 x}{(3 x - 1) (3 x^2 + 1)}$$

Sequence: A318610
Score: 21.8419
Type of gen. func.: ogf

$$-\frac{4 x}{(3 x - 1) (3 x^2 + 1)}$$

Sequence: A318610
Score: 7.77068
Type of gen. func.: ogf

$$\{-a(n+3) + 3 a(n+2) - 3 a(n+1) + 9 a(n), a(0) = 0, a(1) = 4, a(2) = 12\}$$

Sequence: A318618
Score: 15.8992
Type of gen. func.: egf]

$$-\frac{2 (x - 1)}{x^2 - 4 x + 2}$$

Sequence: A318618
Score: 19.3368
Type of gen. func.: egf]

$$-\frac{2\,(x-1)}{x^2-4\,x+2}$$

Sequence: A318618
Score: 8.83287
Type of gen. func.: egf]

$$-f(x)\,(f(x)\,x^2-4\,f(x)\,x+2\,f(x)+2\,x-2)$$

Sequence: A318624
Score: 10.5139
Type of gen. func.: ogf

$$-\frac{x\,(3\,x^4+4\,x^3+11\,x^2+8\,x+1)}{(x^2+x+1)\,(x-1)^3}$$

Sequence: A318624
Score: 4.38546
Type of gen. func.: ogf

$$\{a(n+6)-2\,a(n+5)+a(n+4)-a(n+3)+2\,a(n+2)-a(n+1),\ a(0)=0,$$
$$a(1)=1,\ a(2)=10,\ a(3)=30,\ a(4)=55,\ a(5)=91\}$$

Sequence: A318624
Score: 9.53583
Type of gen. func.: ogf

$$-\frac{x\,(3\,x^4+4\,x^3+11\,x^2+8\,x+1)}{(x^2+x+1)\,(x-1)^3}$$

Sequence: A318625

Score: 6.67885
Type of gen. func.: ogf

$$\frac{x\,(4\,x^{7} + 27\,x^{6} + 100\,x^{5} + 123\,x^{4} + 132\,x^{3} + 89\,x^{2} + 36\,x + 1)}{(x^{2} + 1)\,(x + 1)^{2}\,(x - 1)^{4}}$$

Sequence: A318625
Score: 7.14754
Type of gen. func.: ogf

$$\frac{x\,(4\,x^{7} + 27\,x^{6} + 100\,x^{5} + 123\,x^{4} + 132\,x^{3} + 89\,x^{2} + 36\,x + 1)}{(x^{2} + 1)\,(x + 1)^{2}\,(x - 1)^{4}}$$

Sequence: A318626
Score: 5.37543
Type of gen. func.: ogf

$$- x\,(5\,x^{8} + 106\,x^{7} + 527\,x^{6} + 608\,x^{5} + 629\,x^{4} + 624\,x^{3} + 503\,x^{2} + 122\,x + 1) \Big/ ((x^{4} + x^{3} + x^{2} + x + 1)\,(x - 1)^{5})$$

Sequence: A318626
Score: 5.6848
Type of gen. func.: ogf

$$- x\,(5\,x^{8} + 106\,x^{7} + 527\,x^{6} + 608\,x^{5} + 629\,x^{4} + 624\,x^{3} + 503\,x^{2} + 122\,x + 1) \Big/ ((x^{4} + x^{3} + x^{2} + x + 1)\,(x - 1)^{5})$$

Sequence: A318765
Score: 17.4073
Type of gen. func.: ogf

$$\frac{x^{3} - 4\,x^{2} + 11\,x - 2}{(x - 1)^{4}}$$

Sequence: A318765
Score: 20.7229
Type of gen. func.: ogf

$$\frac{x^3 - 4 x^2 + 11 x - 2}{(x - 1)^4}$$

Sequence: A318765
Score: 6.08646
Type of gen. func.: ogf

$$(696 f(x) + 2425)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x + 4 x^2 + f(x) - 11 x + 2)$$

Sequence: A318765
Score: 6.39973
Type of gen. func.: ogf

$$\{-a(n + 4) + 4 a(n + 3) - 6 a(n + 2) + 4 a(n + 1) - a(n), a(0) = -2, a(1) = 3,$$
$$a(2) = 20, a(3) = 55\}$$

Sequence: A318774
Score: 10.2328
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 3) + 3 a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1\}$$

Sequence: A318774
Score: 11.7978
Type of gen. func.: ogf

$$-(f(x) - 2) (3 f(x) x^4 + f(x) x - f(x) + 1)$$

Sequence: A318774

Score: 30.3882
Type of gen. func.: ogf

$$-\frac{1}{3 x^4 + x - 1}$$

Sequence: A318774
Score: 40.1124
Type of gen. func.: ogf

$$-\frac{1}{3 x^4 + x - 1}$$

Sequence: A318777
Score: 10.6351
Type of gen. func.: ogf

$$(f(x) - 2) (2 f(x) x^5 + f(x) x - f(x) + 1)$$

Sequence: A318777
Score: 26.1044
Type of gen. func.: ogf

$$-\frac{1}{2 x^5 + x - 1}$$

Sequence: A318777
Score: 34.4578
Type of gen. func.: ogf

$$-\frac{1}{2 x^5 + x - 1}$$

Sequence: A318777
Score: 7.83131
Type of gen. func.: ogf

$\{-a(n + 5) + a(n + 4) + 2 a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1, a(4) = 1\}$

Sequence: A318778
Score: 2.35613
Type of gen. func.: ogf

$$\frac{x^3 - 47 x^2 - 25 x - 1}{(x - 1)^3}$$

Sequence: A318791
Score: 14.6765
Type of gen. func.: ogf

$$-\frac{1763 x^2 - 3268 x + 1523}{(x - 1)^3}$$

Sequence: A318791
Score: 17.2289
Type of gen. func.: ogf

$$-\frac{1763 x^2 - 3268 x + 1523}{(x - 1)^3}$$

Sequence: A318791
Score: 6.09638
Type of gen. func.: ogf

$$(2167 f(x) - 12415180)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 1763 x^2 - f(x) - 3268 x + 1523)$$

Sequence: A318791
Score: 7.01353
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1523, a(1) = 1301,

a(2) = 1097}

Sequence: A318941
Score: 10.0638
Type of gen. func.: ogf

$$-\frac{x^2 (x + 1) (x - 1)^2}{(2 x - 1) (x^2 - 3 x + 1)}$$

Sequence: A318941
Score: 11.3024
Type of gen. func.: ogf

$$-\frac{x^2 (x + 1) (x - 1)^2}{(2 x - 1) (x^2 - 3 x + 1)}$$

Sequence: A318941
Score: 4.96391
Type of gen. func.: ogf

{a(n + 6) - 5 a(n + 5) + 7 a(n + 4) - 2 a(n + 3), a(0) = 0, a(1) = 0, a(2) = 1,

a(3) = 4, a(4) = 12, a(5) = 35}

Sequence: A318943
Score: 3.77128
Type of gen. func.: ogf

{-a(n + 8) + 7 a(n + 7) - 17 a(n + 6) + 16 a(n + 5) - 4 a(n + 4), a(0) = 0,

a(1) = 0, a(2) = 0, a(3) = 1, a(4) = 6, a(5) = 21, a(6) = 68, a(7) = 208}

Sequence: A318943
Score: 8.98588
Type of gen. func.: ogf

$$-\frac{x^{3}\,(3\,x^{2}-x-1)\,(x-1)^{2}}{(x^{2}-3\,x+1)\,(2\,x-1)^{2}}$$

Sequence: A318943
Score: 9.97063
Type of gen. func.: ogf

$$-\frac{x^{3}\,(3\,x^{2}-x-1)\,(x-1)^{2}}{(x^{2}-3\,x+1)\,(2\,x-1)^{2}}$$

Sequence: A318944
Score: 8.06351
Type of gen. func.: ogf

$$-\frac{x^{4}\,(7\,x^{3}-8\,x^{2}+x+1)\,(x-1)^{2}}{(x^{2}-3\,x+1)\,(2\,x-1)^{3}}$$

Sequence: A318944
Score: 8.85991
Type of gen. func.: ogf

$$-\frac{x^{4}\,(7\,x^{3}-8\,x^{2}+x+1)\,(x-1)^{2}}{(x^{2}-3\,x+1)\,(2\,x-1)^{3}}$$

Sequence: A318946
Score: 13.7359
Type of gen. func.: ogf

$$\frac{x^{3}\,(x-1)^{2}}{(x^{2}-3\,x+1)\,(2\,x-1)^{2}}$$

Sequence: A318946

Score: 15.9786
Type of gen. func.: ogf

$$\frac{x^3 (x - 1)^2}{(x^2 - 3 x + 1) (2 x - 1)^2}$$

Sequence: A318946
Score: 4.71656
Type of gen. func.: ogf

$\{-a(n + 6) + 7 a(n + 5) - 17 a(n + 4) + 16 a(n + 3) - 4 a(n + 2), a(0) = 0,$

$a(1) = 0, a(2) = 0, a(3) = 1, a(4) = 5, a(5) = 19\}$

Sequence: A318946
Score: 5.79962
Type of gen. func.: ogf

$$-f(x) (4 f(x) x^4 - x^5 - 16 f(x) x^3 + 2 x^4 + 17 f(x) x^2 - x^3 - 7 f(x) x + f(x))$$

Sequence: A318947
Score: 14.4102
Type of gen. func.: ogf

$$\frac{x^4 (x - 1)^3}{(x^2 - 3 x + 1) (2 x - 1)^3}$$

Sequence: A318947
Score: 16.7628
Type of gen. func.: ogf

$$\frac{x^4 (x - 1)^3}{(x^2 - 3 x + 1) (2 x - 1)^3}$$

Sequence: A318972
Score: 10.2964

Type of gen. func.: ogf

$$\frac{x (x^2 + x + 1) (2 x^2 - x + 2)}{(x^2 + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A318972
Score: 6.29633
Type of gen. func.: ogf

{a(n + 6) - a(n + 4) - a(n + 2) + a(n), a(0) = 0, a(1) = 2, a(2) = 1, a(3) = 5,

a(4) = 2, a(5) = 9}

Sequence: A318972
Score: 9.41065
Type of gen. func.: ogf

$$\frac{x (x^2 + x + 1) (2 x^2 - x + 2)}{(x^2 + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A318976
Score: 11.6707
Type of gen. func.: lgdegf]

$$\frac{2 (x^2 + x + 1)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A318976
Score: 3.51879
Type of gen. func.: egf]

{a(n + 4) n - 2 a(n + 2) n + a(n) n + 4 a(n + 4) - 2 a(n + 3) - 6 a(n + 2)

- 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 16/3}

Sequence: A318976
Score: 3.51879

Type of gen. func.: egf]

{a(n + 4) n - 2 a(n + 2) n + a(n) n + 4 a(n + 4) - 2 a(n + 3) - 6 a(n + 2)

- 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 16/3}

Sequence: A319006
Score: 11.9196
Type of gen. func.: ogf

$$\frac{x^4 - x^3 + 3 x^2 - x + 1}{(x^2 + 1) (x - 1)^4}$$

Sequence: A319006
Score: 13.3867
Type of gen. func.: ogf

$$\frac{x^4 - x^3 + 3 x^2 - x + 1}{(x^2 + 1) (x - 1)^4}$$

Sequence: A319006
Score: 4.41692
Type of gen. func.: ogf

{-a(n + 6) + 4 a(n + 5) - 7 a(n + 4) + 8 a(n + 3) - 7 a(n + 2) + 4 a(n + 1)

- a(n), a(0) = 1, a(1) = 3, a(2) = 8, a(3) = 18, a(4) = 34, a(5) = 57}

Sequence: A319007
Score: 14.2014
Type of gen. func.: ogf

$$\frac{x (x^2 + x + 1)}{(x^2 + 1) (x - 1)^4}$$

Sequence: A319007
Score: 16.345

Type of gen. func.: ogf

$$\frac{x\,(x^2 + x + 1)}{(x^2 + 1)\,(x - 1)^4}$$

Sequence: A319007
Score: 4.41981
Type of gen. func.: ogf

$\{a(n + 6) - 4\,a(n + 5) + 7\,a(n + 4) - 8\,a(n + 3) + 7\,a(n + 2) - 4\,a(n + 1)$
$+ a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 5,\ a(3) = 14,\ a(4) = 29,\ a(5) = 51\}$

Sequence: A319013
Score: 8.58219
Type of gen. func.: egf]

$$-\frac{\exp(x)\,x^3 - \exp(x)\,x^2 - \exp(x) + 1}{(x - 1)^2}$$

Sequence: A319014
Score: 6.0692
Type of gen. func.: ogf

$$-\frac{2\,x^{11} - 4\,x^{10} + 2\,x^9 + 72\,x^8 - 9\,x^7 - 3\,x^6 + 84\,x^5 + 12\,x^4 + 4\,x^2 + x + 1}{(x^2 + x + 1)^4\,(x - 1)^5}$$

Sequence: A319014
Score: 6.45454
Type of gen. func.: ogf

$$-\frac{2\,x^{11} - 4\,x^{10} + 2\,x^9 + 72\,x^8 - 9\,x^7 - 3\,x^6 + 84\,x^5 + 12\,x^4 + 4\,x^2 + x + 1}{(x^2 + x + 1)^4\,(x - 1)^5}$$

Sequence: A319028
Score: 5.02928
Type of gen. func.: ogf

$$16 f(x)^2 x^4 - 8 f(x)^2 x^3 + f(x)^2 x^2 + 40 f(x) x^3 - 50 f(x) x^2 + 18 f(x) x + 25 x^2 - 2 f(x) - 14 x + 2$$

Sequence: A319054
Score: 11.1806
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^3 - x^2 - x - 1)}{3 x^3 - 1}$$

Sequence: A319054
Score: 12.5566
Type of gen. func.: ogf

$$\frac{(x^2 + x + 1) (x^3 - x^2 - x - 1)}{3 x^3 - 1}$$

Sequence: A319054
Score: 7.28733
Type of gen. func.: ogf

{-a(n + 6) + 3 a(n + 3), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 4, a(4) = 6, a(5) = 8}

Sequence: A319055
Score: 11.1806
Type of gen. func.: ogf

$$- \frac{6 x^8 + 3 x^6 + 3 x^4 + 2 x^2 + x + 1}{3 x^3 - 1}$$

Sequence: A319055
Score: 12.5566
Type of gen. func.: ogf

$$-\frac{6 x^{8} + 3 x^{6} + 3 x^{4} + 2 x^{2} + x + 1}{3 x^{3} - 1}$$

Sequence: A319078
Score: 8.97783
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{3 x^{3} - 2 x^{2} + 7 x - 2}{(x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A319106
Score: 12.3775
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^{3} + x^{2} + 1}{(x^{2} + 1) (x - 1)^{2} (x + 1)^{2}}$$

Sequence: A319108
Score: 27.6584
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x}{(x - 1)^{2}}$$

Sequence: A319109
Score: 14.2436
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x (2 x + 1)}{(x - 1)^{2} (x + 1)^{2}}$$

Sequence: A319116
Score: 3.38757
Type of gen. func.: ogf

$$-\frac{x^{10}+x^{9}-x^{8}-x^{7}+x^{6}+x^{5}-x^{4}-x^{3}+x^{2}+x-1}{(x+1)\,(x^{10}-x^{9}+x^{8}-x^{7}+x^{6}-x^{5}+x^{4}-x^{3}+x^{2}-x+1)}$$

Sequence: A319116
Score: 3.53249
Type of gen. func.: ogf

$$-\frac{x^{10}+x^{9}-x^{8}-x^{7}+x^{6}+x^{5}-x^{4}-x^{3}+x^{2}+x-1}{(x+1)\,(x^{10}-x^{9}+x^{8}-x^{7}+x^{6}-x^{5}+x^{4}-x^{3}+x^{2}-x+1)}$$

Sequence: A319117
Score: 5.60271
Type of gen. func.: ogf

$$-\frac{(x+1)\,(x-1)\,(x^{4}+1)\,(x^{8}+1)\,(x^{17}+x^{16}-x+1)}{x^{32}+1}$$

Sequence: A319117
Score: 6.01772
Type of gen. func.: ogf

$$-\frac{(x+1)\,(x-1)\,(x^{4}+1)\,(x^{8}+1)\,(x^{17}+x^{16}-x+1)}{x^{32}+1}$$

Sequence: A319122
Score: 13.1137
Type of gen. func.: revegf]

$$\ln(2\,x^{2}-1)-\ln(x-1)$$

Sequence: A319127
Score: 10.582
Type of gen. func.: ogf

$$f(x)\,x^4 - 2\,f(x)\,x^3 + 2\,f(x)\,x + 6\,x^2 - f(x)$$

Sequence: A319127
Score: 20.9058
Type of gen. func.: ogf

$$-\frac{6\,x^2}{(x + 1)\,(x - 1)^3}$$

Sequence: A319127
Score: 25.9739
Type of gen. func.: ogf

$$-\frac{6\,x^2}{(x + 1)\,(x - 1)^3}$$

Sequence: A319127
Score: 7.45337
Type of gen. func.: ogf

{a(n + 4) - 2 a(n + 3) + 2 a(n + 1) - a(n), a(0) = 0, a(1) = 0, a(2) = 6,

a(3) = 12}

Sequence: A319128
Score: 12.5698
Type of gen. func.: ogf

$$-\frac{x\,(x^2 + 3\,x - 1)}{(x + 1)\,(x - 1)^3}$$

Sequence: A319128
Score: 14.4671
Type of gen. func.: ogf

$$-\frac{x\,(x^2+3\,x-1)}{(x+1)\,(x-1)^3}$$

Sequence: A319128
Score: 6.23379
Type of gen. func.: ogf

$$-(135\,f(x)-224)\,(f(x)\,x^4-2\,f(x)\,x^3+x^3+2\,f(x)\,x+3\,x^2-f(x)-x)$$

Sequence: A319128
Score: 6.66745
Type of gen. func.: ogf

$$\{-a(n+4)+2\,a(n+3)-2\,a(n+1)+a(n),\ a(0)=0,\ a(1)=-1,\ a(2)=1,\ a(3)=3\}$$

Sequence: A319170
Score: 12.4127
Type of gen. func.: ogf

$$\frac{3\,(40\,x-7)}{(x-1)\,(100\,x-1)\,(10\,x-1)}$$

Sequence: A319170
Score: 14.1548
Type of gen. func.: ogf

$$\frac{3\,(40\,x-7)}{(x-1)\,(100\,x-1)\,(10\,x-1)}$$

Sequence: A319170

Score: 5.72215
Type of gen. func.: ogf

$$-(1466471453337 f(x) + 250478127800)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - f(x) - 120 x + 21)$$

Sequence: A319170
Score: 6.66796
Type of gen. func.: ogf

$$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 21, a(1) = 2211, a(2) = 222111\}$$

Sequence: A319172
Score: 13.2197
Type of gen. func.: ogf

$$\frac{x^2 + 1}{x^4 - 2 x^3 - 2 x + 1}$$

Sequence: A319172
Score: 15.5699
Type of gen. func.: ogf

$$\frac{x^2 + 1}{x^4 - 2 x^3 - 2 x + 1}$$

Sequence: A319172
Score: 5.98843
Type of gen. func.: ogf

$$\{-a(n + 4) + 2 a(n + 3) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 12\}$$

Sequence: A319172
Score: 6.25577

Type of gen. func.: ogf

$$-(13 f(x) + 8) (f(x) x^4 - 2 f(x) x^3 - 2 f(x) x - x^2 + f(x) - 1)$$

Sequence: A319196
Score: 10.0192
Type of gen. func.: ogf

$$(6 f(x) - 5) (4 f(x) x^2 + 2 f(x) x - f(x) - 3 x + 1)$$

Sequence: A319196
Score: 11.5085
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) - 4 a(n), a(0) = 1, a(1) = -1\}$$

Sequence: A319196
Score: 20.7714
Type of gen. func.: ogf

$$\frac{3 x - 1}{4 x^2 + 2 x - 1}$$

Sequence: A319196
Score: 25.8069
Type of gen. func.: ogf

$$\frac{3 x - 1}{4 x^2 + 2 x - 1}$$

Sequence: A319200
Score: 16.4171
Type of gen. func.: ogf

$$-\frac{(x - 1) x}{x^3 - x^2 - x - 1}$$

Sequence: A319200
Score: 19.0974
Type of gen. func.: ogf

$$-\frac{(x-1)\,x}{x^3 - x^2 - x - 1}$$

Sequence: A319200
Score: 8.4304
Type of gen. func.: ogf

$$-(2\,f(x) + 1)\,(f(x)\,x^3 - f(x)\,x^2 - f(x)\,x + x^2 - f(x) - x)$$

Sequence: A319200
Score: 9.08519
Type of gen. func.: ogf

{-a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 0, a(1) = -1, a(2) = 2}

Sequence: A319201
Score: 14.8109
Type of gen. func.: ogf

$$1 - f(x) - f(x)^2\,x^2 - f(x)^3\,x^3$$

Sequence: A319201
Score: 19.86
Type of gen. func.: revogf

$$-\frac{x}{x^3 + x^2 - 1}$$

Sequence: A319202
Score: 11.4561
Type of gen. func.: ogf

$$-x^3 - f(x)\,x^2 - f(x)^2 + f(x)^3$$

Sequence: A319258
Score: 7.35028
Type of gen. func.: ogf

$$\frac{x^8 - x^7 - 2\,x^6 + 13\,x^5 - x^4 + x^3 + 4\,x^2 + 2\,x + 1}{(x^2 + x + 1)^3\,(x - 1)^4}$$

Sequence: A319258
Score: 7.92677
Type of gen. func.: ogf

$$\frac{x^8 - x^7 - 2\,x^6 + 13\,x^5 - x^4 + x^3 + 4\,x^2 + 2\,x + 1}{(x^2 + x + 1)^3\,(x - 1)^4}$$

Sequence: A319279
Score: 13.7597
Type of gen. func.: ogf

$$\frac{x\,(2\,x^2 + x + 3)}{(x^2 + 1)\,(x - 1)^2}$$

Sequence: A319279
Score: 15.8366
Type of gen. func.: ogf

$$\frac{x\,(2\,x^2 + x + 3)}{(x^2 + 1)\,(x - 1)^2}$$

Sequence: A319279
Score: 6.08218
Type of gen. func.: ogf

$$(384 f(x) + 5473)$$

$$(f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 - 2 x^3 - 2 f(x) x - x^2 + f(x) - 3 x)$$

Sequence: A319279
Score: 6.26374
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) + 2 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 3, a(2) = 7, a(3) = 10\}$$

Sequence: A319280
Score: 10.4128
Type of gen. func.: ogf

$$\frac{x (x^3 + 4 x^2 + 3 x + 4)}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A319280
Score: 11.5539
Type of gen. func.: ogf

$$\frac{x (x^3 + 4 x^2 + 3 x + 4)}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A319280
Score: 6.53826
Type of gen. func.: ogf

$$\{-a(n + 5) + a(n + 4) + a(n + 1) - a(n), a(0) = 0, a(1) = 4, a(2) = 7, a(3) = 11, a(4) = 12\}$$

Sequence: A319307
Score: 14.7918
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{16 (x + 2)}{(x - 1) (x + 1)}$$

Sequence: A319308
Score: 15.6437
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{20 (x + 2)}{(x - 1) (x + 1)}$$

Sequence: A319309
Score: 13.8479
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{24 (x + 2)}{(x - 1) (x + 1)}$$

Sequence: A319310
Score: 15.0225
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{28 (x + 2)}{(x - 1) (x + 1)}$$

Sequence: A319325
Score: 10.7096
Type of gen. func.: ogf

$$- \frac{2 (x + 1) (x - 1)^{3}}{3 x^{5} - 9 x^{4} + x^{3} + 9 x^{2} - 7 x + 1}$$

Sequence: A319325
Score: 4.57194
Type of gen. func.: ogf

$\{a(n + 5) - 7 a(n + 4) + 9 a(n + 3) + a(n + 2) - 9 a(n + 1) + 3 a(n), a(0) = 2,$

$a(1) = 10, a(2) = 52, a(3) = 276, a(4) = 1470\}$

Sequence: A319325
Score: 9.65187
Type of gen. func.: ogf

$$-\frac{2(x+1)(x-1)^3}{3x^5-9x^4+x^3+9x^2-7x+1}$$

Sequence: A319360
Score: 14.9555
Type of gen. func.: lgdegf]

$$\frac{\ln(x+1)+1}{x+1}$$

Sequence: A319364
Score: 5.152
Type of gen. func.: egf]

$$\frac{12(x^2+x+1)(6526x^9+237645x^6+3589920x^3+21642390)}{82129x^{12}-3002448x^9+46410840x^6-303199200x^3+259708680}$$

Sequence: A319364
Score: 5.42139
Type of gen. func.: egf]

$$\frac{12(x^2+x+1)(6526x^9+237645x^6+3589920x^3+21642390)}{82129x^{12}-3002448x^9+46410840x^6-303199200x^3+259708680}$$

Sequence: A319365
Score: 3.97257
Type of gen. func.: egf]

$\{-a(n+6)n+a(n+5)n-6a(n+6)+6a(n+5)+a(n+2)-a(n+1),$

$a(0)=1, a(1)=1, a(2)=1, a(3)=1, a(4)=5/4, a(5)=5/4\}$

Sequence: A319365
Score: 3.97257
Type of gen. func.: egf]

{-a(n + 6) n + a(n + 5) n - 6 a(n + 6) + 6 a(n + 5) + a(n + 2) - a(n + 1),

a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1, a(4) = 5/4, a(5) = 5/4}

Sequence: A319365
Score: 6.55789
Type of gen. func.: egf]

$$-\frac{12 (x + 1) (x^2 + 1) (353 x^8 + 8608 x^4 + 69440)}{4453 x^{12} - 109476 x^8 + 938304 x^4 - 833280}$$

Sequence: A319365
Score: 7.00249
Type of gen. func.: egf]

$$-\frac{12 (x + 1) (x^2 + 1) (353 x^8 + 8608 x^4 + 69440)}{4453 x^{12} - 109476 x^8 + 938304 x^4 - 833280}$$

Sequence: A319371
Score: 12.0047
Type of gen. func.: ogf

$$\frac{x^4 + x^2 + x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A319371
Score: 13.5791
Type of gen. func.: ogf

$$\frac{x^4 + x^2 + x + 1}{}$$

$$(x^2 + x + 1) (x - 1)^2$$

Sequence: A319371
Score: 6.09062
Type of gen. func.: ogf

{a(n + 5) - a(n + 4) - a(n + 2) + a(n + 1), a(0) = 1, a(1) = 2, a(2) = 3,

a(3) = 4, a(4) = 6}

Sequence: A319371
Score: 6.6266
Type of gen. func.: ogf

$$-(56 f(x) - 41) (f(x) x^4 - f(x) x^3 - x^4 - f(x) x - x^2 + f(x) - x - 1)$$

Sequence: A319373
Score: 10.4346
Type of gen. func.: ogf

$$- \frac{x^5 - x^4 - 6 x^3 + x + 1}{(x - 1) (x^2 + 1)^3}$$

Sequence: A319373
Score: 9.35048
Type of gen. func.: ogf

$$- \frac{x^5 - x^4 - 6 x^3 + x + 1}{(x - 1) (x^2 + 1)^3}$$

Sequence: A319384
Score: 3.68888
Type of gen. func.: ogf

{a(n + 5) - a(n + 4) - 2 a(n + 3) + 2 a(n + 2) + a(n + 1) - a(n), a(0) = 1,

a(1) = 5, a(2) = 9, a(3) = 21, a(4) = 29}

Sequence: A319384
Score: 8.38841
Type of gen. func.: ogf

$$-\frac{(x^2+1)(x^2+4x+1)}{(x+1)^2 (x-1)^3}$$

Sequence: A319384
Score: 9.42083
Type of gen. func.: ogf

$$-\frac{(x^2+1)(x^2+4x+1)}{(x+1)^2 (x-1)^3}$$

Sequence: A319388
Score: 6.25574
Type of gen. func.: ogf

$$-(51 x^{22} - 104 x^{21} + 53 x^{20} + 43 x^{19} - 88 x^{18} + 45 x^{17} + 21 x^{9} - 44 x^{8} + 23 x^{7} + 9 x^{2} - 23 x + 16) \Big/ (x-1)^3$$

Sequence: A319388
Score: 6.6498
Type of gen. func.: ogf

$$-(51 x^{22} - 104 x^{21} + 53 x^{20} + 43 x^{19} - 88 x^{18} + 45 x^{17} + 21 x^{9} - 44 x^{8} + 23 x^{7} + 9 x^{2} - 23 x + 16) \Big/ (x-1)^3$$

Sequence: A319389
Score: 6.44837
Type of gen. func.: ogf

$$-\left(331 x^{10} - 1053 x^{9} + 1119 x^{8} - 270 x^{7} - 417 x^{6} + 459 x^{5} - 169 x^{4} + 8 x^{3} - 31 x^{2} + 44 x - 27\right) \Big/ (x - 1)^{4}$$

Sequence: A319389
Score: 6.87471
Type of gen. func.: ogf

$$-\left(331 x^{10} - 1053 x^{9} + 1119 x^{8} - 270 x^{7} - 417 x^{6} + 459 x^{5} - 169 x^{4} + 8 x^{3} - 31 x^{2} + 44 x - 27\right) \Big/ (x - 1)^{4}$$

Sequence: A319390
Score: 10.3382
Type of gen. func.: ogf

$$-\frac{x^{4} + x^{3} - x^{2} + x + 1}{(x + 1)^{2} (x - 1)^{3}}$$

Sequence: A319390
Score: 11.6106
Type of gen. func.: ogf

$$-\frac{x^{4} + x^{3} - x^{2} + x + 1}{(x + 1)^{2} (x - 1)^{3}}$$

Sequence: A319390
Score: 4.60175
Type of gen. func.: ogf

$\{a(n + 5) - a(n + 4) - 2 a(n + 3) + 2 a(n + 2) + a(n + 1) - a(n), a(0) = 1,$
$a(1) = 2, a(2) = 3, a(3) = 6, a(4) = 8\}$

Sequence: A319451

Score: 12.0636
Type of gen. func.: ogf

$$\frac{3 x (2 x^2 + x + 1)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A319451
Score: 13.6458
Type of gen. func.: ogf

$$\frac{3 x (2 x^2 + x + 1)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A319451
Score: 7.17578
Type of gen. func.: ogf

$$(5 f(x) + 48) (f(x) x^4 - f(x) x^3 - 6 x^3 - f(x) x - 3 x^2 + f(x) - 3 x)$$

Sequence: A319451
Score: 7.17578
Type of gen. func.: ogf

$\{a(n + 4) - a(n + 3) - a(n + 1) + a(n), a(0) = 0, a(1) = 3, a(2) = 6, a(3) = 12$

$\}$

Sequence: A319452
Score: 10.3622
Type of gen. func.: ogf

$$\frac{x (2 x^3 + 4 x^2 + 3 x + 3)}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A319452
Score: 11.4978

Type of gen. func.: ogf

$$\frac{x (2 x^3 + 4 x^2 + 3 x + 3)}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A319452
Score: 6.50652
Type of gen. func.: ogf

{a(n + 5) - a(n + 4) - a(n + 1) + a(n), a(0) = 0, a(1) = 3, a(2) = 6, a(3) = 10,

a(4) = 12}

Sequence: A319455
Score: 17.594
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 (2 x + 1)}{(x - 1) (x + 1)}$$

Sequence: A319493
Score: 8.0107
Type of gen. func.: ogf

$$\frac{(x + 1) (4 x^6 - 6 x^5 + 9 x^4 + 4 x^3 - 3 x^2 + 1)}{(x^2 + x + 1)^3 (x - 1)^4}$$

Sequence: A319493
Score: 8.6998
Type of gen. func.: ogf

$$\frac{(x + 1) (4 x^6 - 6 x^5 + 9 x^4 + 4 x^3 - 3 x^2 + 1)}{(x^2 + x + 1)^3 (x - 1)^4}$$

Sequence: A319512
Score: 13.8167

Type of gen. func.: ogf

$$-\frac{(2 x - 1)^2}{7 x^3 - 14 x^2 + 7 x - 1}$$

Sequence: A319512
Score: 16.2197
Type of gen. func.: ogf

$$-\frac{(2 x - 1)^2}{7 x^3 - 14 x^2 + 7 x - 1}$$

Sequence: A319512
Score: 6.32292
Type of gen. func.: ogf

$$-(42 f(x) + 43) (7 f(x) x^3 - 14 f(x) x^2 + 7 f(x) x + 4 x^2 - f(x) - 4 x + 1)$$

Sequence: A319512
Score: 7.03872
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 14 a(n + 1) - 7 a(n), a(0) = 1, a(1) = 3, a(2) = 11\}$$

Sequence: A319536
Score: 10.571
Type of gen. func.: egf]

$$\frac{2 (\exp(x) - 1) \exp(-x)}{(2 x - 1)^2}$$

Sequence: A319543
Score: 5.17808
Type of gen. func.: ogf

11 10 9 8 7 6 5 4 2

$$\frac{2 x - 4 x + 2 x - 72 x + 9 x + 3 x + 84 x + 12 x - 4 x - x - 1}{(x - 1) (x + 1)^4 (x^2 - x + 1)^4}$$

Sequence: A319543
Score: 5.48722
Type of gen. func.: ogf

$$\frac{2 x^{11} - 4 x^{10} + 2 x^9 - 72 x^8 + 9 x^7 + 3 x^6 + 84 x^5 + 12 x^4 - 4 x^2 - x - 1}{(x - 1) (x + 1)^4 (x^2 - x + 1)^4}$$

Sequence: A319552
Score: 16.4799
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{3 (x + 2)}{(x - 1) (x + 1)}$$

Sequence: A319553
Score: 16.49
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{8 (x + 2)}{(x - 1) (x + 1)}$$

Sequence: A319554
Score: 14.7368
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{12 (x + 2)}{(x - 1) (x + 1)}$$

Sequence: A319556
Score: 13.2101
Type of gen. func.: ogf

$$\frac{2 x^2 - x + 1}{}$$

$$(x - 1)^2 (x + 1)^2$$

Sequence: A319556
Score: 15.5585
Type of gen. func.: ogf

$$\frac{2 x^2 - x + 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A319556
Score: 7.07205
Type of gen. func.: ogf

$$(1120 f(x) + 1013) (f(x) x^4 - 2 f(x) x^2 - 2 x^2 + f(x) + x - 1)$$

Sequence: A319556
Score: 7.14421
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 2) + a(n), a(0) = 1, a(1) = -1, a(2) = 4, a(3) = -2\}$$

Sequence: A319575
Score: 13.4531
Type of gen. func.: ogf

$$- \frac{2 x (x + 1) (7 x^2 - 4 x + 1)}{(x - 1)^5}$$

Sequence: A319575
Score: 15.4837
Type of gen. func.: ogf

$$- \frac{2 x (x + 1) (7 x^2 - 4 x + 1)}{(x - 1)^5}$$

Sequence: A319575
Score: 4.9436
Type of gen. func.: ogf

{-a(n + 5) + 5 a(n + 4) - 10 a(n + 3) + 10 a(n + 2) - 5 a(n + 1) + a(n),

a(0) = 0, a(1) = 2, a(2) = 4, a(3) = 6, a(4) = 24}

Sequence: A319576
Score: 14.0826
Type of gen. func.: ogf

$$\frac{8 x^2 (3 x^3 + 3 x^2 - 3 x + 1)}{(x - 1)^6}$$

Sequence: A319576
Score: 16.3818
Type of gen. func.: ogf

$$\frac{8 x^2 (3 x^3 + 3 x^2 - 3 x + 1)}{(x - 1)^6}$$

Sequence: A319576
Score: 4.03371
Type of gen. func.: ogf

{-a(n + 6) + 6 a(n + 5) - 15 a(n + 4) + 20 a(n + 3) - 15 a(n + 2) + 6 a(n + 1)

- a(n), a(0) = 0, a(1) = 0, a(2) = 8, a(3) = 24, a(4) = 48, a(5) = 112}

Sequence: A319577
Score: 13.9198
Type of gen. func.: ogf

$$- \frac{8 x^3 (5 x^3 + 9 x^2 - 9 x + 3)}{(x - 1)^7}$$

Sequence: A319577
Score: 16.1925
Type of gen. func.: ogf

$$-\frac{8 x^{3} (5 x^{3} + 9 x^{2} - 9 x + 3)}{(x - 1)^{7}}$$

Sequence: A319578
Score: 14.0993
Type of gen. func.: egf]

$$\mathrm{hypergeom}([4/3, 5/3], [2, 3], 27 x)$$

Sequence: A319578
Score: 4.18952
Type of gen. func.: ogf

$$\{-a(n + 2) n^{2} + 27 a(n + 1) n^{2} - 7 a(n + 2) n + 135 a(n + 1) n - 12 a(n + 2) + 168 a(n + 1), a(0) = 1, a(1) = 10\}$$

Sequence: A319588
Score: 4.48393
Type of gen. func.: ogf

$$-\frac{x (x^{6} + 2 x^{5} - 83 x^{4} - 108 x^{3} + 291 x^{2} + 90 x + 15)}{(x - 1) (x^{2} - 10 x + 1) (x^{2} + 10 x + 1) (x^{4} - 10 x^{2} + 1)}$$

Sequence: A319588
Score: 4.72796
Type of gen. func.: ogf

$$-\frac{x (x^{6} + 2 x^{5} - 83 x^{4} - 108 x^{3} + 291 x^{2} + 90 x + 15)}{(x - 1) (x^{2} - 10 x + 1) (x^{2} + 10 x + 1) (x^{4} - 10 x^{2} + 1)}$$

Sequence: A319610
Score: 16.1967
Type of gen. func.: ogf

$$\frac{x^2 (x^7 - x^6 + x^5 - x^4 + x^3 - x^2 + x - 2)}{x - 1}$$

Sequence: A319610
Score: 17.8795
Type of gen. func.: ogf

$$\frac{x^2 (x^7 - x^6 + x^5 - x^4 + x^3 - x^2 + x - 2)}{x - 1}$$

Sequence: A319658
Score: 8.84205
Type of gen. func.: ogf

$$\frac{x^{14} - x^{13} + x^8 - x^7 + x^6 - x^5 + x^4 - x^3 + 2 x^2 - 2 x - 1}{x - 1}$$

Sequence: A319658
Score: 9.55656
Type of gen. func.: ogf

$$\frac{x^{14} - x^{13} + x^8 - x^7 + x^6 - x^5 + x^4 - x^3 + 2 x^2 - 2 x - 1}{x - 1}$$

Sequence: A319667
Score: 4.4049
Type of gen. func.: ogf

$(899991 f(x) + 622600)$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 2200 x^2 - f(x) - 1331 x + 22)$$

Sequence: A319667
Score: 4.95096
Type of gen. func.: ogf

$\{-a(n+3) + 111\, a(n+2) - 1110\, a(n+1) + 1000\, a(n),\ a(0) = 22,\ a(1) = 1111,\ a(2) = 101101\}$

Sequence: A319667
Score: 7.78008
Type of gen. func.: ogf

$$-\frac{11\,(200\,x^2 - 121\,x + 2)}{(x-1)\,(100\,x-1)\,(10\,x-1)}$$

Sequence: A319667
Score: 8.68212
Type of gen. func.: ogf

$$-\frac{11\,(200\,x^2 - 121\,x + 2)}{(x-1)\,(100\,x-1)\,(10\,x-1)}$$

Sequence: A319669
Score: 20.6596
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x+1}{(x-1)^2}$$

Sequence: A319674
Score: 7.89842
Type of gen. func.: ogf

$$\frac{x^4 + 2\,x^3 - 3\,x^2 - 2\,x - 1}{(x-1)\,(x+1)^2\,(x^2 - x + 1)^2}$$

Sequence: A319674
Score: 8.67851
Type of gen. func.: ogf

$$\frac{x^4 + 2x^3 - 3x^2 - 2x - 1}{(x - 1)(x + 1)^2 (x^2 - x + 1)^2}$$

Sequence: A319678
Score: 14.2954
Type of gen. func.: ogf

$$-\frac{270x^{12} - 270x^{11} + 18x^2 - 18x - 1}{(x - 1)^2}$$

Sequence: A319678
Score: 16.1702
Type of gen. func.: ogf

$$-\frac{270x^{12} - 270x^{11} + 18x^2 - 18x - 1}{(x - 1)^2}$$

Sequence: A319701
Score: 10.9008
Type of gen. func.: ogf

$$\{a(n + 6) - 2a(n + 4) + a(n + 2), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 4, a(4) = 3, a(5) = 5\}$$

Sequence: A319701
Score: 19.4123
Type of gen. func.: ogf

$$-\frac{x^5 + 2x^4 - x^2 - 2x - 1}{(x + 1)^2 (x - 1)^2}$$

Sequence: A319701
Score: 21.8015
Type of gen. func.: ogf

$$-\frac{x^5 + 2x^4 - x^2 - 2x - 1}{(x + 1)^2 (x - 1)^2}$$

Sequence: A319702
Score: 11.9687
Type of gen. func.: ogf

{-a(n + 5) + 2 a(n + 3) - a(n + 1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 2,

a(4) = 4}

Sequence: A319702
Score: 12.8392
Type of gen. func.: ogf

$$(2 f(x) + 29) (f(x) x^4 + x^4 - 2 f(x) x^2 + 2 x^3 - x^2 + f(x) - 2 x - 1)$$

Sequence: A319702
Score: 19.3467
Type of gen. func.: ogf

$$-\frac{x^4 + 2x^3 - x^2 - 2x - 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A319702
Score: 21.7278
Type of gen. func.: ogf

$$-\frac{x^4 + 2x^3 - x^2 - 2x - 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A319747
Score: 3.82168
Type of gen. func.: ogf

$$-2x\left(32x^{17}-4x^{16}-4x^{15}-4x^{14}-4x^{13}-4x^{12}-4x^{11}-4x^{10}-4x^{9}+3x^{8}-x^{7}-x^{6}-x^{5}-x^{4}-x^{3}-x^{2}-x-1\right)\Big/\left((x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2}\right)$$

Sequence: A319747
Score: 3.96454
Type of gen. func.: ogf

$$-2x\left(32x^{17}-4x^{16}-4x^{15}-4x^{14}-4x^{13}-4x^{12}-4x^{11}-4x^{10}-4x^{9}+3x^{8}-x^{7}-x^{6}-x^{5}-x^{4}-x^{3}-x^{2}-x-1\right)\Big/\left((x^{2}+x+1)(x^{6}+x^{3}+1)(x-1)^{2}\right)$$

Sequence: A319757
Score: 21.5394
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x+1}{(x-1)^{4}}$$

Sequence: A319759
Score: 2.13146
Type of gen. func.: ogf

$$(f(x)-1)^{2}$$

Sequence: A319763
Score: 2.13146
Type of gen. func.: ogf

$$(f(x) - 1)^2$$

Sequence: A319777
Score: 11.0378
Type of gen. func.: ogf

$$\frac{x^4 + 8 x^3 + 15 x^2 + 8 x + 1}{(x + 1) (x - 1)^8}$$

Sequence: A319777
Score: 12.4621
Type of gen. func.: ogf

$$\frac{x^4 + 8 x^3 + 15 x^2 + 8 x + 1}{(x + 1) (x - 1)^8}$$

Sequence: A319779
Score: 2.3979
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A319790
Score: 2.5526
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A319791
Score: 2.3979
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A319792
Score: 2.16584
Type of gen. func.: ogf

$$-(f(x) - 1)^{3}$$

Sequence: A319793
Score: 2.47525
Type of gen. func.: ogf

$$-(f(x) - 1)^{3}$$

Sequence: A319795
Score: 5.23886
Type of gen. func.: ogf

$$\frac{x^{10} - x^{9} + x^{8} - 5 x^{7} + 2 x^{6} + 3 x^{5} + 3 x^{4} + 2 x^{3} + 3 x^{2} + 2 x + 8}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A319795
Score: 5.51827
Type of gen. func.: ogf

$$\frac{x^{10} - x^{9} + x^{8} - 5 x^{7} + 2 x^{6} + 3 x^{5} + 3 x^{4} + 2 x^{3} + 3 x^{2} + 2 x + 8}{(x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A319839
Score: 5.78064
Type of gen. func.: ogf

$$(8 x^{12} + 3 x^{10} - 37 x^{9} + 105 x^{8} + 240 x^{7} + 35 x^{6} + 438 x^{5} + 375 x^{4} - 15 x^{3} + 105 x^{2} + 30 x + 9) \Big/ ((x - 1)^{4} (x^{2} + x + 1)^{4})$$

Sequence: A319839
Score: 6.10862
Type of gen. func.: ogf

$$(8 x^{12} + 3 x^{10} - 37 x^{9} + 105 x^{8} + 240 x^{7} + 35 x^{6} + 438 x^{5} + 375 x^{4} - 15 x^{3} + 105 x^{2} + 30 x + 9) / ((x - 1)^{4} (x^{2} + x + 1)^{4})$$

Sequence: A319842
Score: 12.8255
Type of gen. func.: ogf

$$\frac{10 x^{2} - x - 8}{(x + 1) (10 x - 1) (x - 1)^{2}}$$

Sequence: A319842
Score: 14.5646
Type of gen. func.: ogf

$$\frac{10 x^{2} - x - 8}{(x + 1) (10 x - 1) (x - 1)^{2}}$$

Sequence: A319842
Score: 5.57993
Type of gen. func.: ogf

$$(94901010101 f(x) + 789186276900)$$

$$(10 f(x) x^{4} - 11 f(x) x^{3} - 9 f(x) x^{2} + 11 f(x) x - 10 x^{2} - f(x) + x + 8)$$

Sequence: A319842
Score: 6.00916
Type of gen. func.: ogf

$$\{a(n + 4) - 11 a(n + 3) + 9 a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 8, a(1) = 89, a(2) = 897, a(3) = 8978\}$$

Sequence: A319866
Score: 13.3689
Type of gen. func.: ogf

$$\frac{2\,(4 x^{3} - x^{2} + 1)}{(x + 1)^{3}\,(x - 1)^{4}}$$

Sequence: A319866
Score: 15.3868
Type of gen. func.: ogf

$$\frac{2\,(4 x^{3} - x^{2} + 1)}{(x + 1)^{3}\,(x - 1)^{4}}$$

Sequence: A319867
Score: 7.60068
Type of gen. func.: ogf

$$-\frac{3\,(24 x^{8} - 5 x^{7} + x^{6} + 30 x^{5} + 4 x^{4} - 2 x^{3} + x + 1)}{(x^{2} + x + 1)^{4}\,(x - 1)^{5}}$$

Sequence: A319867
Score: 8.21487
Type of gen. func.: ogf

$$-\frac{3\,(24 x^{8} - 5 x^{7} + x^{6} + 30 x^{5} + 4 x^{4} - 2 x^{3} + x + 1)}{(x^{2} + x + 1)^{4}\,(x - 1)^{5}}$$

Sequence: A319885
Score: 11.0767
Type of gen. func.: ogf

$$2\,(4 x^{3} - x^{2} - 1)$$

$$(x - 1) (x^2 + 1)^3$$

Sequence: A319885
Score: 12.6313
Type of gen. func.: ogf

$$\frac{2 (4 x^3 - x^2 - 1)}{(x - 1) (x^2 + 1)^3}$$

Sequence: A319886
Score: 6.14768
Type of gen. func.: ogf

$$- \frac{3 (24 x^8 - 5 x^7 + x^6 - 30 x^5 - 4 x^4 + 2 x^3 + x + 1)}{(x - 1) (x + 1)^4 (x^2 - x + 1)^4}$$

Sequence: A319886
Score: 6.59075
Type of gen. func.: ogf

$$- \frac{3 (24 x^8 - 5 x^7 + x^6 - 30 x^5 - 4 x^4 + 2 x^3 + x + 1)}{(x - 1) (x + 1)^4 (x^2 - x + 1)^4}$$

Sequence: A319918
Score: 25.9405
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{1}{(2 x - 1) (x - 1)}$$

Sequence: A319919
Score: 11.7156
Type of gen. func.: ogf_with_Euler_transform]

$$3$$

$$\frac{2 x - 1}{(x - 1) (2 x - 1) (x + 1) (2 x^2 - 1)}$$

Sequence: A319924
Score: 4.86029
Type of gen. func.: ogf

$$\frac{-(4 x - 1)^{(3/2)} \operatorname{csgn}((4 x - 1) I) + 2 I x^2 - 2 I x}{(x - 1) (4 x - 1)^{3/2} \operatorname{csgn}((4 x - 1) I)}$$

Sequence: A319930
Score: 15.7705
Type of gen. func.: ogf

$$- \frac{x^2 (5 x^2 - 5 x + 1)}{(x - 1)^5}$$

Sequence: A319930
Score: 18.8476
Type of gen. func.: ogf

$$- \frac{x^2 (5 x^2 - 5 x + 1)}{(x - 1)^5}$$

Sequence: A319930
Score: 4.74081
Type of gen. func.: ogf

$\{-a(n + 5) + 5 a(n + 4) - 10 a(n + 3) + 10 a(n + 2) - 5 a(n + 1) + a(n),$

$a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 0, a(4) = -5\}$

Sequence: A319931
Score: 11.5005
Type of gen. func.: ogf

$$-\frac{x\,(7x^4 - 6x^3 - 3x^2 + 4x - 1)}{(x-1)^6}$$

Sequence: A319931
Score: 13.1146
Type of gen. func.: ogf

$$-\frac{x\,(7x^4 - 6x^3 - 3x^2 + 4x - 1)}{(x-1)^6}$$

Sequence: A319931
Score: 3.83351
Type of gen. func.: ogf

{-a(n + 6) + 6 a(n + 5) - 15 a(n + 4) + 20 a(n + 3) - 15 a(n + 2) + 6 a(n + 1)

- a(n), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 0, a(4) = -4, a(5) = -6}

Sequence: A319932
Score: 10.7363
Type of gen. func.: ogf

$$-\frac{x^2\,(11x^4 - 12x^3 - 3x^2 + 7x - 2)}{(x-1)^7}$$

Sequence: A319932
Score: 12.1921
Type of gen. func.: ogf

$$-\frac{x^2\,(11x^4 - 12x^3 - 3x^2 + 7x - 2)}{(x-1)^7}$$

Sequence: A319973
Score: 4.82015

Type of gen. func.: ogf

$$-(x^{10}+x^{8}-x^{5}+1)\Big/\left((x^{2}+x+1)(x^{2}-x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{2}+1)(x+1)^{2}(x-1)^{3}\right)$$

Sequence: A319973
Score: 5.07054
Type of gen. func.: ogf

$$-(x^{10}+x^{8}-x^{5}+1)\Big/\left((x^{2}+x+1)(x^{2}-x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{2}+1)(x+1)^{2}(x-1)^{3}\right)$$

Sequence: A319974
Score: 10.5489
Type of gen. func.: ogf

$$-\frac{x^{6}+x^{4}-x^{3}+1}{(x^{2}+1)(x^{2}+x+1)(x+1)^{2}(x-1)^{3}}$$

Sequence: A319974
Score: 9.74519
Type of gen. func.: ogf

$$-\frac{x^{6}+x^{4}-x^{3}+1}{(x^{2}+1)(x^{2}+x+1)(x+1)^{2}(x-1)^{3}}$$

Sequence: A319980
Score: 8.93793
Type of gen. func.: ogf

$$-\frac{2x^{7}-3x^{6}-3x^{5}-6x^{4}-6x^{3}-4x^{2}-3x-1}{(x-1)^{2}(x^{2}+x+1)^{2}}$$

Sequence: A319980
Score: 9.67508
Type of gen. func.: ogf

$$-\frac{2x^7-3x^6-3x^5-6x^4-6x^3-4x^2-3x-1}{(x-1)^2(x^2+x+1)^2}$$

Sequence: A319981
Score: 10.4052
Type of gen. func.: ogf

$$\frac{x^{13}+x^5-x^4-x^3-x-1}{(x+1)(x-1)}$$

Sequence: A319981
Score: 11.5943
Type of gen. func.: ogf

$$\frac{x^{13}+x^5-x^4-x^3-x-1}{(x+1)(x-1)}$$

Sequence: A319982
Score: 6.96161
Type of gen. func.: ogf

$$(x^{19}+x^{15}+x^{13}+x^{11}-x^9-x^8-x^7-2x^6-x^5-2x^4-2x^3-x^2-x-1) \Big/ ((x-1)(x+1)(x^2+1))$$

Sequence: A319982
Score: 7.32561
Type of gen. func.: ogf

$$(x^{19}+x^{15}+x^{13}+x^{11}-x^9-x^8-x^7-2x^6-x^5-2x^4-2x^3-x^2-x-1)$$

$$/ \ ((x - 1) (x + 1) (x^{2} + 1))$$

Sequence: A320006
Score: 11.337
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (x^{2} + 1) (x^{32} + 1)}$$

Sequence: A320006
Score: 13.1509
Type of gen. func.: ogf

$$- \frac{1}{(x - 1) (x^{2} + 1) (x^{32} + 1)}$$

Sequence: A320007
Score: 10.6869
Type of gen. func.: ogf

$$- \frac{x (x^{4} + x^{3} + 1)}{(x + 1) (x - 1) (x^{4} + 1)}$$

Sequence: A320007
Score: 11.858
Type of gen. func.: ogf

$$- \frac{x (x^{4} + x^{3} + 1)}{(x + 1) (x - 1) (x^{4} + 1)}$$

Sequence: A320007
Score: 6.27273
Type of gen. func.: ogf

$\{a(n + 6) - a(n + 4) + a(n + 2) - a(n), a(0) = 0, a(1) = 1, a(2) = 0, a(3) = 1,$

$a(4) = 1, a(5) = 1\}$

Sequence: A320033
Score: 5.43705
Type of gen. func.: ogf

$$(2 x^{23} + x^{21} + x^{19} + x^{17} - x^{14} + x^{13} - x^{12} - x^{11} - 3 x^{9} - 3 x^{8} - 3 x^{7} - 3 x^{6} - 2 x^{5} - 2 x^{4} - 2 x^{3} - x^{2} - x - 1) / ((x - 1) (x + 1) (x^{2} + 1))$$

Sequence: A320033
Score: 5.66719
Type of gen. func.: ogf

$$(2 x^{23} + x^{21} + x^{19} + x^{17} - x^{14} + x^{13} - x^{12} - x^{11} - 3 x^{9} - 3 x^{8} - 3 x^{7} - 3 x^{6} - 2 x^{5} - 2 x^{4} - 2 x^{3} - x^{2} - x - 1) / ((x - 1) (x + 1) (x^{2} + 1))$$

Sequence: A320047
Score: 10.8041
Type of gen. func.: ogf

$$- \frac{x^{4} + 6 x^{3} - 8 x^{2} - 6 x - 5}{(x + 1)^{4} (x - 1)^{4}}$$

Sequence: A320047
Score: 12.1338
Type of gen. func.: ogf

$$- \frac{x^{4} + 6 x^{3} - 8 x^{2} - 6 x - 5}{(x + 1)^{4} (x - 1)^{4}}$$

Sequence: A320049

Score: 14.2465
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{6\,(x-1)}{(x+1)\,(x^{2}+1)}$$

Sequence: A320050
Score: 14.2316
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{7\,(x-1)}{(x+1)\,(x^{2}+1)}$$

Sequence: A320065
Score: 7.74927
Type of gen. func.: ogf

$$-\frac{x^{51}+x^{50}-x^{41}-x^{37}-x^{36}-x^{19}-x^{5}-x-1}{(x-1)\,(x^{50}-x^{36}-1)}$$

Sequence: A320065
Score: 8.27913
Type of gen. func.: ogf

$$-\frac{x^{51}+x^{50}-x^{41}-x^{37}-x^{36}-x^{19}-x^{5}-x-1}{(x-1)\,(x^{50}-x^{36}-1)}$$

Sequence: A320069
Score: 7.69738
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2\,x^{6}+x^{4}-x^{3}+3\,x^{2}+x+2}{(x+1)\,(x^{2}+1)\,(x^{4}+1)}$$

Sequence: A320070
Score: 3.83354
Type of gen. func.: ogf_with_Euler_transform]

$$-(3x^{12} - 2x^{11} + x^{10} - x^{9} + 5x^{8} - 3x^{7} + 4x^{6} - x^{5} + 3x^{4} - 2x^{3} + 4x^{2} - x + 2) \Big/ ((x + 1)(x^{2} + 1)(x^{2} - x + 1)(x^{4} - x^{2} + 1)(x^{4} + 1))$$

Sequence: A320097
Score: 5.5944
Type of gen. func.: ogf

$$-\frac{3x^{5} - 14x^{4} - 10x^{3} + 70x^{2} + 21x - 1}{5x^{6} - 20x^{5} - 49x^{4} + 201x^{3} + 7x^{2} - 36x + 1}$$

Sequence: A320097
Score: 6.00126
Type of gen. func.: ogf

$$-\frac{3x^{5} - 14x^{4} - 10x^{3} + 70x^{2} + 21x - 1}{5x^{6} - 20x^{5} - 49x^{4} + 201x^{3} + 7x^{2} - 36x + 1}$$

Sequence: A320106
Score: 4.47723
Type of gen. func.: ogf

$$-\frac{x^{10} + x^{6} + x^{5} + x^{4} + 1}{(x - 1)(x^{2} + x + 1)(x + 1)(x^{2} - x + 1)(x^{2} + 1)(x^{4} - x^{2} + 1)}$$

Sequence: A320106
Score: 4.71601
Type of gen. func.: ogf

$$-\frac{x^{10} + x^{6} + x^{5} + x^{4} + 1}{}$$

2 2 2 4 2

$$(x - 1) (x + x + 1) (x + 1) (x - x + 1) (x + 1) (x - x + 1)$$

Sequence: A320124
Score: 4.31953
Type of gen. func.: ogf_with_Euler_transform]

$$(4 x^{12} - 4 x^{11} + 4 x^{10} - 2 x^9 + 5 x^8 - 4 x^7 + 9 x^6 - 5 x^5 + 4 x^4 - x^3 + 6 x^2 - 4 x + 4) / ((x + 1) (x^2 + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x^4 + 1))$$

Sequence: A320125
Score: 8.38939
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{4 x^{12} + 3 x^8 - x^7 + 5 x^4 + x^3 + 4}{(x + 1) (x^4 + 1) (x^8 + 1)}$$

Sequence: A320127
Score: 4.06393
Type of gen. func.: ogf_with_Euler_transform]

$$(4 x^{18} + x^{14} + x^{13} + 2 x^{12} - 2 x^{11} - x^{10} - x^9 + x^8 + x^7 + 6 x^6 + 2 x^5 - x^4 - x^3 + 4) / ((x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x^4 + 1) (x^8 - x^4 + 1))$$

Sequence: A320130
Score: 4.50727
Type of gen. func.: ogf_with_Euler_transform]

$$(4 x^{28} + 5 x^{24} + x^{23} + 2 x^{20} - 2 x^{19} + 3 x^{16} - x^{15} + 5 x^{12} + x^{11} + 6 x^8 + 2 x^7 + 3 x^4 - x^3 + 4) / ((x + 1) (x^4 + 1) (x^8 + 1) (x^{16} + 1))$$

Sequence: A320136
Score: 5.27438

Type of gen. func.: ogf_with_Euler_transform]

$$-\left(4x^{32}+8x^{31}+3x^{28}+7x^{27}-22x^{18}-6x^{17}-26x^{14}-10x^{13}-15x^{4}+5x^{3}-20\right)\Big/\left((x+1)(x^{4}+1)(x^{28}+4x^{14}+5)\right)$$

Sequence: A320138
Score: 4.35724
Type of gen. func.: ogf_with_Euler_transform]

$$\left(4x^{12}-2x^{11}+x^{10}-2x^{9}+6x^{8}-3x^{7}+6x^{6}-2x^{5}+3x^{4}-2x^{3}+6x^{2}-x+2\right)\Big/\left((x+1)(x^{2}+1)(x^{2}-x+1)(x^{4}-x^{2}+1)(x^{4}+1)\right)$$

Sequence: A320149
Score: 8.2609
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{4x^{6}+2x^{5}-x^{4}-3x^{3}+7x^{2}+5x+2}{(x+1)(x^{2}+1)(x^{4}+1)}$$

Sequence: A320150
Score: 4.50997
Type of gen. func.: ogf_with_Euler_transform]

$$\left(4x^{12}-2x^{11}-x^{10}+9x^{8}-5x^{7}+x^{6}+3x^{5}+5x^{4}-5x^{3}+4x^{2}+x+2\right)\Big/\left((x+1)(x^{2}+1)(x^{2}-x+1)(x^{4}-x^{2}+1)(x^{4}+1)\right)$$

Sequence: A320193
Score: 4.76516
Type of gen. func.: ogf_with_Euler_transform]

$$\left(4x^{14}+2x^{13}+3x^{12}+x^{11}+x^{10}-x^{9}-2x^{7}+6x^{6}+4x^{5}+5x^{4}+3x^{3}+3x^{2}+x+2\right)\Big/\left((x+1)(x^{2}+1)(x^{4}+1)(x^{8}+1)\right)$$

/

Sequence: A320259
Score: 10.7959
Type of gen. func.: ogf

$$-\frac{x\,(x^{2}+x+2)}{(x^{2}+x+1)\,(x-1)^{3}}$$

Sequence: A320259
Score: 4.01556
Type of gen. func.: ogf

$\{-a(n+5)+2\,a(n+4)-a(n+3)+a(n+2)-2\,a(n+1)+a(n),\ a(0)=0,$

$a(1)=2,\ a(2)=5,\ a(3)=9,\ a(4)=15\}$

Sequence: A320259
Score: 9.54424
Type of gen. func.: ogf

$$-\frac{x\,(x^{2}+x+2)}{(x^{2}+x+1)\,(x-1)^{3}}$$

Sequence: A320281
Score: 3.84538
Type of gen. func.: ogf

$\{a(n+5)-2\,a(n+4)+a(n+3)-a(n+2)+2\,a(n+1)-a(n),\ a(0)=0,$

$a(1)=1,\ a(2)=7,\ a(3)=18,\ a(4)=35\}$

Sequence: A320281
Score: 8.24009
Type of gen. func.: ogf

$$-\frac{x\,(5x^{3}+5x^{2}+5x+1)}{{}^{2}\qquad\qquad{}^{3}}$$

```
                              (x  + x + 1) (x - 1)
```

Sequence: A320281
Score: 9.19547
Type of gen. func.: ogf

```
                                  3      2
                            x (5 x  + 5 x  + 5 x + 1)
                          - ------------------------
                                2                 3
                              (x  + x + 1) (x - 1)
```

Sequence: A320283
Score: 5.00622
Type of gen. func.: ogf

```
         25    24       23       17    16       15       9    8       7
- x (51 x   - x   - 48 x   + 35 x   - x   - 32 x   + 19 x  - x  - 16 x  + 3 x

            /            8        16              2
     - 1)  /  ((x + 1) (x  + 1) (x   + 1) (x - 1) )
          /
```

Sequence: A320283
Score: 5.25344
Type of gen. func.: ogf

```
         25    24       23       17    16       15       9    8       7
- x (51 x   - x   - 48 x   + 35 x   - x   - 32 x   + 19 x  - x  - 16 x  + 3 x

            /            8        16              2
     - 1)  /  ((x + 1) (x  + 1) (x   + 1) (x - 1) )
          /
```

Sequence: A320326
Score: 3.95345
Type of gen. func.: ogf

```
       2  3         2  2           3         2             2    3       2
-4 f(x)  x  - 8 f(x)  x  + 4 f(x) x  - 4 f(x)  x + 8 f(x) x  - x  + f(x)

                     2
     + 4 f(x) x - 2 x  - f(x) - x
```

Sequence: A320326
Score: 6.84414
Type of gen. func.: ogf

$$\frac{(-4 x^3 - 8 x^2 - 4 x + 1)^{1/2} + 1}{2 (-4 x^3 - 8 x^2 - 4 x + 1)^{1/2}}$$

Sequence: A320331
Score: 2.081
Type of gen. func.: ogf

$$-(2 f(x) x - f(x) - x + 1)^3$$

Sequence: A320346
Score: 7.74848
Type of gen. func.: ogf

$$- \frac{(x^2 + 1) (x^2 + x - 1)}{x^8 + 2 x^7 - x^6 - 2 x^5 - 3 x^4 - 6 x^3 - x^2 - 2 x + 1}$$

Sequence: A320346
Score: 8.31718
Type of gen. func.: ogf

$$- \frac{(x^2 + 1) (x^2 + x - 1)}{x^8 + 2 x^7 - x^6 - 2 x^5 - 3 x^4 - 6 x^3 - x^2 - 2 x + 1}$$

Sequence: A320366
Score: 15.1979
Type of gen. func.: ogf

$$- \frac{4}{3 x^3 - 7 x^2 + 8 x - 1}$$

Sequence: A320366
Score: 18.8822
Type of gen. func.: ogf

$$-\frac{4}{3x^3 - 7x^2 + 8x - 1}$$

Sequence: A320366
Score: 5.71663
Type of gen. func.: ogf

$$-(1567 f(x) + 1782) (3 f(x) x^3 - 7 f(x) x^2 + 8 f(x) x - f(x) + 4)$$

Sequence: A320366
Score: 5.82348
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 7 a(n + 1) - 3 a(n), a(0) = 4, a(1) = 32, a(2) = 228\}$$

Sequence: A320427
Score: 6.2542
Type of gen. func.: ogf

$$-\frac{9x^6 - 2x^5 - x^4 - 2x^3 - x^2 - 2x - 11}{(x + 1)(x^2 + x + 1)(x^2 - x + 1)(x - 1)^2}$$

Sequence: A320427
Score: 6.66431
Type of gen. func.: ogf

$$-\frac{9x^6 - 2x^5 - x^4 - 2x^3 - x^2 - 2x - 11}{(x + 1)(x^2 + x + 1)(x^2 - x + 1)(x - 1)^2}$$

Sequence: A320429
Score: 12.8534
Type of gen. func.: ogf

$$12x^3 - 4x^2 - x - 1$$

```
                            - --------------------
                                                3
                              (x - 1) (16 x  - 1)
```

Sequence: A320429
Score: 14.4855
Type of gen. func.: ogf

$$-\frac{12 x^3 - 4 x^2 - x - 1}{(x - 1) (16 x^3 - 1)}$$

Sequence: A320429
Score: 7.1296
Type of gen. func.: ogf

-(56 f(x) + 19)

$$(16 f(x) x^4 - 16 f(x) x^3 + 12 x^3 - f(x) x - 4 x^2 + f(x) - x - 1)$$

Sequence: A320429
Score: 7.66881
Type of gen. func.: ogf

{-a(n + 4) + a(n + 3) + 16 a(n + 1) - 16 a(n), a(0) = 1, a(1) = 2, a(2) = 6,

a(3) = 10}

Sequence: A320431
Score: 10.0506
Type of gen. func.: ogf

$$-\frac{4 x^7 + 6 x^6 - 11 x^5 - 19 x^4 + 10 x^3 + 28 x^2 + x + 1}{(x + 1)^3 (x - 1)^3}$$

Sequence: A320431
Score: 10.9152
Type of gen. func.: ogf

```
                   7      6       5       4       3       2
```

```
     4 x  + 6 x  - 11 x  - 19 x  + 10 x  + 28 x  + x + 1
   - ----------------------------------------------------
                             3        3
                      (x + 1)  (x - 1)
```

Sequence: A320432
Score: 27.4611
Type of gen. func.: lgdegf]

```
                1 - 3 exp(x)
```

Sequence: A320433
Score: 26.9006
Type of gen. func.: lgdegf]

```
                1 - 4 exp(x)
```

Sequence: A320468
Score: 11.3084
Type of gen. func.: ogf

```
{a(n + 2) - a(n + 1) - 20 a(n), a(0) = 1, a(1) = 41}
```

Sequence: A320468
Score: 17.1888
Type of gen. func.: ogf

```
             40 x + 1
       - -------------------
         (4 x + 1) (5 x - 1)
```

Sequence: A320468
Score: 20.4629
Type of gen. func.: ogf

```
             40 x + 1
       - -------------------
         (4 x + 1) (5 x - 1)
```

Sequence: A320468
Score: 9.44439
Type of gen. func.: ogf

$$(81 f(x) + 1600) (20 f(x) x^2 + f(x) x - f(x) + 40 x + 1)$$

Sequence: A320469
Score: 10.4292
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) + 10 a(n), a(0) = 1, a(1) = 1\}$$

Sequence: A320469
Score: 17.3819
Type of gen. func.: ogf

$$\frac{2 x - 1}{(2 x + 1) (5 x - 1)}$$

Sequence: A320469
Score: 21.1402
Type of gen. func.: ogf

$$\frac{2 x - 1}{(2 x + 1) (5 x - 1)}$$

Sequence: A320469
Score: 8.69096
Type of gen. func.: ogf

$$(179 f(x) - 178) (10 f(x) x^2 + 3 f(x) x - f(x) - 2 x + 1)$$

Sequence: A320492
Score: 5.60285
Type of gen. func.: ogf

$$\frac{x^8 + 6 x^7 + 9 x^6 + 20 x^5 + 15 x^4 + 17 x^3 + 9 x^2 + 6 x + 1}{(x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A320492
Score: 5.92302
Type of gen. func.: ogf

$$\frac{x^{8} + 6 x^{7} + 9 x^{6} + 20 x^{5} + 15 x^{4} + 17 x^{3} + 9 x^{2} + 6 x + 1}{(x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A320493
Score: 5.55499
Type of gen. func.: ogf

$$\frac{x^{8} + 6 x^{7} + 12 x^{6} + 15 x^{5} + 17 x^{4} + 16 x^{3} + 10 x^{2} + 6 x + 1}{(x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A320493
Score: 5.86794
Type of gen. func.: ogf

$$\frac{x^{8} + 6 x^{7} + 12 x^{6} + 15 x^{5} + 17 x^{4} + 16 x^{3} + 10 x^{2} + 6 x + 1}{(x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A320494
Score: 5.11866
Type of gen. func.: ogf

$$- \frac{2 x^{9} - 3 x^{8} - 6 x^{7} - 13 x^{6} - 16 x^{5} - 18 x^{4} - 14 x^{3} - 11 x^{2} - 4 x - 1}{(x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A320494
Score: 5.38456
Type of gen. func.: ogf

$$- \frac{2 x^{9} - 3 x^{8} - 6 x^{7} - 13 x^{6} - 16 x^{5} - 18 x^{4} - 14 x^{3} - 11 x^{2} - 4 x - 1}{\quad}$$

2 4 3 2 2

$$(x + x + 1) (x + x + x + x + 1) (x - 1)$$

Sequence: A320524
Score: 12.62
Type of gen. func.: ogf

$$36 f(x) x^3 - 6 f(x) x^2 - 6 f(x) x + f(x) - 15 x$$

Sequence: A320524
Score: 21.6734
Type of gen. func.: ogf

$$\frac{15 x}{(6 x - 1) (6 x^2 - 1)}$$

Sequence: A320524
Score: 26.2363
Type of gen. func.: ogf

$$\frac{15 x}{(6 x - 1) (6 x^2 - 1)}$$

Sequence: A320524
Score: 9.40545
Type of gen. func.: ogf

$\{-a(n + 3) + 6 a(n + 2) + 6 a(n + 1) - 36 a(n), a(0) = 0, a(1) = 15, a(2) = 90\}$

Sequence: A320526
Score: 7.10339
Type of gen. func.: ogf

$$-\frac{x^3 (9 x^3 - 8 x^2 - 2 x + 2)}{(x - 1) (3 x - 1) (2 x - 1) (3 x^2 - 1) (2 x^2 - 1)}$$

Sequence: A320526
Score: 7.6446
Type of gen. func.: ogf

$$-\frac{x^3 (9 x^3 - 8 x^2 - 2 x + 2)}{(x - 1) (3 x - 1) (2 x - 1) (3 x^2 - 1) (2 x^2 - 1)}$$

Sequence: A320527
Score: 8.5186
Type of gen. func.: ogf

$$\frac{x^4 (9 x^2 + 4 x - 4)}{(x - 1) (4 x - 1) (3 x - 1) (2 x + 1) (2 x - 1) (3 x^2 - 1)}$$

Sequence: A320527
Score: 9.19334
Type of gen. func.: ogf

$$\frac{x^4 (9 x^2 + 4 x - 4)}{(x - 1) (4 x - 1) (3 x - 1) (2 x + 1) (2 x - 1) (3 x^2 - 1)}$$

Sequence: A320528
Score: 6.29222
Type of gen. func.: ogf

$$2 x^5 (25 x^4 - 56 x^3 + 18 x^2 + 7 x - 3) \Big/ ((x - 1) (3 x - 1) (5 x - 1) (2 x + 1) (2 x - 1) (4 x - 1) (2 x^2 - 1) (5 x^2 - 1))$$

Sequence: A320528
Score: 6.62338
Type of gen. func.: ogf

$$2 x^5 (25 x^4 - 56 x^3 + 18 x^2 + 7 x - 3) \Big/ ((x - 1) (3 x - 1) (5 x - 1)$$

$$(2 x + 1) (2 x - 1) (4 x - 1) (2 x^2 - 1) (5 x^2 - 1))$$

Sequence: A320553
Score: 10.2622
Type of gen. func.: ogf

$$\frac{x + 2}{(x^2 + x - 1) (x^4 + 2 x^3 + x^2 + x - 1)}$$

Sequence: A320553
Score: 11.452
Type of gen. func.: ogf

$$\frac{x + 2}{(x^2 + x - 1) (x^4 + 2 x^3 + x^2 + x - 1)}$$

Sequence: A320553
Score: 4.36568
Type of gen. func.: ogf

$$\{a(n + 6) - 2 a(n + 5) - a(n + 4) + 2 a(n + 2) + 3 a(n + 1) + a(n), a(0) = 2, a(1) = 5, a(2) = 12, a(3) = 29, a(4) = 66, a(5) = 145\}$$

Sequence: A320554
Score: 5.61216
Type of gen. func.: ogf

$$\frac{x^4 + 3 x^3 - x^2 - 7 x - 5}{(x^4 + 2 x^3 + x^2 + x - 1) (x^8 + 3 x^7 - 5 x^5 - 5 x^4 - x^3 - 2 x^2 - x + 1)}$$

Sequence: A320554
Score: 5.94973
Type of gen. func.: ogf

$$x^4 + 3 x^3 - x^2 - 7 x - 5$$

$$(x^4 + 2 x^3 + x^2 + x - 1) (x^8 + 3 x^7 - 5 x^5 - 5 x^4 - x^3 - 2 x^2 - x + 1)$$

Sequence: A320577
Score: 8.05622
Type of gen. func.: ogf

$$- \frac{x^5 + 5 x^4 + 11 x^3 + 13 x^2 + 5 x + 1}{(x + 1)^2 (x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A320577
Score: 8.73464
Type of gen. func.: ogf

$$- \frac{x^5 + 5 x^4 + 11 x^3 + 13 x^2 + 5 x + 1}{(x + 1)^2 (x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A320592
Score: 8.59304
Type of gen. func.: ogf

$$- \frac{x^4 - x^2 - 1}{(x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A320592
Score: 9.36545
Type of gen. func.: ogf

$$- \frac{x^4 - x^2 - 1}{(x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A320593
Score: 6.70131
Type of gen. func.: ogf

$$\frac{x^5 - x - 1}{(x^2 + x + 1)(x^4 + x^3 + x^2 + x + 1)(x^2 + 1)(x + 1)^2 (x - 1)^5}$$

Sequence: A320593
Score: 7.15952
Type of gen. func.: ogf

$$\frac{x^5 - x - 1}{(x^2 + x + 1)(x^4 + x^3 + x^2 + x + 1)(x^2 + 1)(x + 1)^2 (x - 1)^5}$$

Sequence: A320594
Score: 4.56042
Type of gen. func.: ogf

$$(x^9 - x^8 - x^7 - x^5 + x^3 + x^2 + 1) \Big/ ((x^2 - x + 1)(x^4 + x^3 + x^2 + x + 1)(x^2 + 1)(x^2 + x + 1)^2 (x + 1)^3 (x - 1)^6)$$

Sequence: A320594
Score: 4.77131
Type of gen. func.: ogf

$$(x^9 - x^8 - x^7 - x^5 + x^3 + x^2 + 1) \Big/ ((x^2 - x + 1)(x^4 + x^3 + x^2 + x + 1)(x^2 + 1)(x^2 + x + 1)^2 (x + 1)^3 (x - 1)^6)$$

Sequence: A320604
Score: 6.98822
Type of gen. func.: ogf

$$-\frac{3 x^5 + 4 x^4 + 3 x^3 + 3 x^2 + 3 x + 4}{(x - 1)(x + 1)(x^2 + x + 1)(x^2 - x + 1)}$$

Sequence: A320604
Score: 7.48296
Type of gen. func.: ogf

$$-\frac{3x^5+4x^4+3x^3+3x^2+3x+4}{(x-1)(x+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A320604
Score: 8.13052
Type of gen. func.: ogf

{-a(n + 6) + a(n), a(0) = 4, a(1) = 3, a(2) = 3, a(3) = 3, a(4) = 4, a(5) = 3}

Sequence: A320614
Score: 6.1865
Type of gen. func.: ogf

$$-\frac{x^4-x^3+x^2-x+1}{(x^2+x+1)(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^3}$$

Sequence: A320614
Score: 6.58243
Type of gen. func.: ogf

$$-\frac{x^4-x^3+x^2-x+1}{(x^2+x+1)(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^3}$$

Sequence: A320657
Score: 11.868
Type of gen. func.: ogf

$$-\frac{x^{10}(x^3-x^2-1)}{(x^2+1)(x+1)^2(x-1)^4}$$

Sequence: A320657
Score: 13.1511
Type of gen. func.: ogf

$$-\frac{x^{10}\,(x^3 - x^2 - 1)}{(x^2 + 1)\,(x + 1)^2\,(x - 1)^4}$$

Sequence: A320660
Score: 10.4627
Type of gen. func.: ogf

$$\frac{12\,(8\,x^3 - 6\,x + 1)}{(12\,x^2 + 8\,x - 1)\,(4\,x^2 + 4\,x - 1)}$$

Sequence: A320660
Score: 4.83449
Type of gen. func.: ogf

$$\{-a(n + 4) + 12\,a(n + 3) - 16\,a(n + 2) - 80\,a(n + 1) - 48\,a(n),\ a(0) = 12,\ a(1) = 72,\ a(2) = 672,\ a(3) = 6048\}$$

Sequence: A320660
Score: 4.86806
Type of gen. func.: ogf

$$(6406\,f(x) + 107457)\,(48\,f(x)\,x^4 + 80\,f(x)\,x^3 + 16\,f(x)\,x^2 - 96\,x^3 - 12\,f(x)\,x + f(x) + 72\,x - 12)$$

Sequence: A320660
Score: 9.34668
Type of gen. func.: ogf

$$\frac{12\,(8\,x^3 - 6\,x + 1)}{(12\,x^2 + 8\,x - 1)\,(4\,x^2 + 4\,x - 1)}$$

Sequence: A320661
Score: 13.8021
Type of gen. func.: ogf

$$-\frac{6 x^2 - x + 1}{(2 x - 1) (x - 1)^2}$$

Sequence: A320661
Score: 16.0556
Type of gen. func.: ogf

$$-\frac{6 x^2 - x + 1}{(2 x - 1) (x - 1)^2}$$

Sequence: A320661
Score: 6.84106
Type of gen. func.: ogf

$$(849 f(x) - 862) (2 f(x) x^3 - 5 f(x) x^2 + 4 f(x) x + 6 x^2 - f(x) - x + 1)$$

Sequence: A320661
Score: 7.49259
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + 5 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 3, a(2) = 13\}$$

Sequence: A320666
Score: 2.48191
Type of gen. func.: ogf

$$\frac{x (x^8 - x^7 - x^6 - x^5 - x^3 - 3 x^2 - 4 x - 2)}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A320666
Score: 2.6866
Type of gen. func.: ogf

$$\frac{x (x^8 - x^7 - x^6 - x^5 - x^3 - 3 x^2 - 4 x - 2)}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A320674
Score: 17.1439
Type of gen. func.: ogf

$$- \frac{2 (x^2 + x + 1)^2}{2 x^3 - 1}$$

Sequence: A320674
Score: 20.489
Type of gen. func.: ogf

$$- \frac{2 (x^2 + x + 1)^2}{2 x^3 - 1}$$

Sequence: A320674
Score: 8.31733
Type of gen. func.: ogf

$$\{-a(n + 5) + 2 a(n + 2), a(0) = 2, a(1) = 4, a(2) = 6, a(3) = 8, a(4) = 10\}$$

Sequence: A320674
Score: 9.23133
Type of gen. func.: ogf

$$(f(x) - 1) (2 f(x) x^3 + 2 x^4 + 4 x^3 + 6 x^2 - f(x) + 4 x + 2)$$

Sequence: A320677

Score: 11.8901
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{6 (2 x^2 + 3 x + 3)}{(x - 1) (x^2 + x + 1)}$$

Sequence: A320689
Score: 18.1516
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^2 - 3 x + 2}{x - 1}$$

Sequence: A320690
Score: 18.3096
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{3 x^2 - 5 x + 3}{x - 1}$$

Sequence: A320691
Score: 18.6327
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{4 x^2 - 7 x + 4}{x - 1}$$

Sequence: A320692
Score: 18.2482
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{5 x^2 - 9 x + 5}{x - 1}$$

Sequence: A320693

Score: 18.0701
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{6x^2 - 11x + 6}{x - 1}$$

Sequence: A320694
Score: 17.5184
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{7x^2 - 13x + 7}{x - 1}$$

Sequence: A320695
Score: 17.4821
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{8x^2 - 15x + 8}{x - 1}$$

Sequence: A320696
Score: 17.4417
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{9x^2 - 17x + 9}{x - 1}$$

Sequence: A320697
Score: 16.7481
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{10x^2 - 19x + 10}{x - 1}$$

Sequence: A320753
Score: 24.4708

Type of gen. func.: ogf_with_Euler_transform]

$$\frac{-7 + 6 x}{x - 1}$$

Sequence: A320754
Score: 23.525
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{-8 + 7 x}{x - 1}$$

Sequence: A320755
Score: 24.4702
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{-9 + 8 x}{x - 1}$$

Sequence: A320756
Score: 23.6339
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{-10 + 9 x}{x - 1}$$

Sequence: A320758
Score: 8.12635
Type of gen. func.: egf]

$$\frac{2 (x^6 + 12 x^4 - 10 x^3 - 6 x^2 + 4)}{(x - 1)^3 (x^2 + 2 x - 2)^3}$$

Sequence: A320758
Score: 8.94928
Type of gen. func.: egf]

6 4 3 2

$$\frac{2 (x + 12 x - 10 x - 6 x + 4)}{(x - 1)^{3} (x^{2} + 2 x - 2)^{3}}$$

Sequence: A320770
Score: 10.563
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x^{2} + 1)}{(2 x^{2} - 2 x + 1) (2 x^{2} + 2 x + 1)}$$

Sequence: A320770
Score: 8.57465
Type of gen. func.: ogf

$$(32 f(x) - 49) (4 f(x) x^{4} - 2 x^{3} - 2 x^{2} + f(x) - x - 1)$$

Sequence: A320770
Score: 9.11057
Type of gen. func.: ogf

$$\{a(n + 4) + 4 a(n), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 2\}$$

Sequence: A320770
Score: 9.46553
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x^{2} + 1)}{(2 x^{2} - 2 x + 1) (2 x^{2} + 2 x + 1)}$$

Sequence: A320772
Score: 18.561
Type of gen. func.: ogf

$$- \frac{899 x^{2} - 1550 x + 683}{3}$$

$$(x - 1)$$

Sequence: A320772
Score: 21.9357
Type of gen. func.: ogf

$$-\frac{899 x^2 - 1550 x + 683}{(x - 1)^3}$$

Sequence: A320772
Score: 7.59978
Type of gen. func.: ogf

$$(4672 f(x) - 6474651)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 899 x^2 - f(x) - 1550 x + 683)$$

Sequence: A320772
Score: 8.77429
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 683, a(1) = 499, a(2) = 347}

Sequence: A320825
Score: 8.74765
Type of gen. func.: lgdogf

$$\frac{2 (30 x^3 - 32 x^2 + 10 x - 1)}{(4 x - 1) (3 x - 1) (10 x^2 - 6 x + 1)}$$

Sequence: A320826
Score: 17.3722
Type of gen. func.: lgdogf

$$-\frac{6 x}{(4 x - 1) (3 x - 1)}$$

Sequence: A320826
Score: 4.47004
Type of gen. func.: ogf

$$\{-a(n + 3) n + 7 a(n + 2) n - 12 a(n + 1) n - 2 a(n + 3) + 7 a(n + 2) - 6 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 0\}$$

Sequence: A320827
Score: 10.9142
Type of gen. func.: lgdogf

$$\frac{12 x^2 - 6 x + 1}{(3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A320827
Score: 3.2321
Type of gen. func.: ogf

$$\{a(n + 4) n - 9 a(n + 3) n + 26 a(n + 2) n - 24 a(n + 1) n + 4 a(n + 4) - 26 a(n + 3) + 46 a(n + 2) - 12 a(n + 1), a(0) = -1, a(1) = 1, a(2) = 1, a(3) = 3\}$$

Sequence: A320827
Score: 8.85974
Type of gen. func.: ogf

$$-9 f(x)^2 x^2 + 6 f(x)^2 x - 16 x^3 - f(x)^2 + 20 x^2 - 8 x + 1$$

Sequence: A320859
Score: 13.1912
Type of gen. func.: ogf

$$(1024 f(x) x - f(x) + 32)^2$$

Sequence: A320860
Score: 4.62356

Type of gen. func.: ogf

$$\frac{4 (1024 x + 1) (8462480737302404222943232 x^{8} - 1)}{8462480737302404222943232 x^{8} + 1048576 x^{2} - 1}$$

Sequence: A320860
Score: 4.94802
Type of gen. func.: ogf

$$\frac{4 (1024 x + 1) (8462480737302404222943232 x^{8} - 1)}{8462480737302404222943232 x^{8} + 1048576 x^{2} - 1}$$

Sequence: A320860
Score: 7.72704
Type of gen. func.: ogf

$$(1024 f(x) x - f(x) + 4) (-4096 x + f(x) - 4)$$

Sequence: A320861
Score: 11.5099
Type of gen. func.: ogf

$$(1024 f(x) x - f(x) + 512)^{2}$$

Sequence: A320861
Score: 4.17025
Type of gen. func.: ogf

$$\frac{512 (1024 x + 1) (9444731839839383584768 x^{5} - 1048576 x^{2} - 1)}{9444731839839383584768 x^{5} + 1099511627776 x^{4} - 1}$$

Sequence: A320861
Score: 4.42688
Type of gen. func.: ogf

$$\frac{512\ (1024\ x + 1)\ (9444731839839383584768\ x^{5} - 1048576\ x^{2} - 1)}{9444731839839383584768\ x^{5} + 1099511627776\ x^{4} - 1}$$

Sequence: A320862
Score: 3.54723
Type of gen. func.: ogf

{-a(n + 5) + 1024 a(n + 4), a(0) = 64, a(1) = 65536, a(2) = 67108864,

a(3) = 68719476736, a(4) = 604462909807314587353088}

Sequence: A320862
Score: 7.95438
Type of gen. func.: ogf

$$-\frac{64\ (9444732964639778799616\ x^{4} + 1)}{1024\ x - 1}$$

Sequence: A320862
Score: 9.05154
Type of gen. func.: ogf

$$-\frac{64\ (9444732964639778799616\ x^{4} + 1)}{1024\ x - 1}$$

Sequence: A320863
Score: 3.58896
Type of gen. func.: ogf

$$\frac{70368744177664\ (1024\ x + 1)\ (9671406556915933886021632\ x^{4} - 1)}{9671406556915933886021632\ x^{4} + 1048576\ x^{2} - 1}$$

Sequence: A320863
Score: 3.81504
Type of gen. func.: ogf

$$\frac{70368744177664 (1024 x + 1) (9671406556915933886021632 x^4 - 1)}{9671406556915933886021632 x^4 + 1048576 x^2 - 1}$$

Sequence: A320863
Score: 4.32598
Type of gen. func.: ogf

$$(1024 f(x) x - f(x) + 70368744177664)$$

$$(-72057594037927936 x + f(x) - 70368744177664)$$

Sequence: A320864
Score: 11.417
Type of gen. func.: ogf

$$(1024 f(x) x - f(x) + 8)^2$$

Sequence: A320864
Score: 3.5818
Type of gen. func.: ogf

$\{a(n + 5) - 10141204801825835211973625643008 a(n), a(0) = 8, a(1) = 8192,$

$a(2) = 8388608, a(3) = 8589934592, a(4) = 8796093022208\}$

Sequence: A320864
Score: 4.34933
Type of gen. func.: ogf

$$- \frac{8 (1099511627776 x^4 + 1073741824 x^3 + 1048576 x^2 + 1024 x + 1)}{10141204801825835211973625643008 x^5 - 1}$$

Sequence: A320864
Score: 4.6442
Type of gen. func.: ogf

$$- \frac{8 (1099511627776 x^4 + 1073741824 x^3 + 1048576 x^2 + 1024 x + 1)}{}$$

$$10141204801825835211973625643008\, x^5 - 1$$

Sequence: A320870
Score: 5.11256
Type of gen. func.: ogf

$$x (4 x^{13} - 5 x^{12} + 4 x^{11} - 5 x^{10} + 5 x^9 - 4 x^8 + 5 x^7 - 4 x^6 + 5 x^5 + x^4 + x^3 + x^2 + x + 1) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A320870
Score: 5.30458
Type of gen. func.: ogf

$$x (4 x^{13} - 5 x^{12} + 4 x^{11} - 5 x^{10} + 5 x^9 - 4 x^8 + 5 x^7 - 4 x^6 + 5 x^5 + x^4 + x^3 + x^2 + x + 1) / ((x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2)$$

Sequence: A320907
Score: 12.3455
Type of gen. func.: ogf

$$- \frac{x (x - 1)^2}{(x^2 - 3 x + 1) (2 x - 1)^3}$$

Sequence: A320907
Score: 14.209
Type of gen. func.: ogf

$$- \frac{x (x - 1)^2}{(x^2 - 3 x + 1) (2 x - 1)^3}$$

Sequence: A320907
Score: 4.45608
Type of gen. func.: ogf

$$\{-a(n + 5) + 9\ a(n + 4) - 31\ a(n + 3) + 50\ a(n + 2) - 36\ a(n + 1) + 8\ a(n),$$

$$a(0) = 0,\ a(1) = 1,\ a(2) = 7,\ a(3) = 33,\ a(4) = 130\}$$

Sequence: A320918
Score: 11.2722
Type of gen. func.: ogf

$$-\frac{20\ x^2 + 18\ x + 3}{x^3 - 20\ x^2 - 9\ x - 1}$$

Sequence: A320918
Score: 12.8825
Type of gen. func.: ogf

$$-\frac{20\ x^2 + 18\ x + 3}{x^3 - 20\ x^2 - 9\ x - 1}$$

Sequence: A320918
Score: 6.06234
Type of gen. func.: ogf

$$-(f(x) - 37)\ (f(x)\ x^3 - 20\ f(x)\ x^2 - 9\ f(x)\ x + 20\ x^2 - f(x) + 18\ x + 3)$$

Sequence: A320918
Score: 6.80583
Type of gen. func.: ogf

$$\{-a(n + 3) - 9\ a(n + 2) - 20\ a(n + 1) + a(n),\ a(0) = 3,\ a(1) = -9,\ a(2) = 41\}$$

Sequence: A320919

Score: 5.32127
Type of gen. func.: ogf

$$\frac{7 x^{8} + x^{7} + 8 x^{6} + 2 x^{5} + 8 x^{4} + x^{3} + 7 x^{2} + x + 1}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A320919
Score: 5.66183
Type of gen. func.: ogf

$$\frac{7 x^{8} + x^{7} + 8 x^{6} + 2 x^{5} + 8 x^{4} + x^{3} + 7 x^{2} + x + 1}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A320927
Score: 2.2758
Type of gen. func.: ogf

$$- x^{3} (x^{36} - x^{35} - x^{33} + x^{32} - x^{27} + x^{26} + x^{24} + x^{21} + x^{17} + x^{15} + x^{12} + x^{8} + x^{6} + x^{3} + 1) / ((x - 1) (x^{2} + x + 1) (x^{6} + x^{3} + 1) (x^{18} + x^{9} + 1))$$

Sequence: A320927
Score: 2.35818
Type of gen. func.: ogf

$$- x^{3} (x^{36} - x^{35} - x^{33} + x^{32} - x^{27} + x^{26} + x^{24} + x^{21} + x^{17} + x^{15} + x^{12} + x^{8} + x^{6} + x^{3} + 1) / ((x - 1) (x^{2} + x + 1) (x^{6} + x^{3} + 1) (x^{18} + x^{9} + 1))$$

Sequence: A320933
Score: 11.4229
Type of gen. func.: ogf

$$\frac{x^{2} (x - 2)}{(x + 1) (2 x - 1) (x - 1)^{2}}$$

Sequence: A320933
Score: 4.41907
Type of gen. func.: ogf

$$-(891 f(x) - 943)$$

$$(2 f(x) x^4 - 3 f(x) x^3 - f(x) x^2 - x^3 + 3 f(x) x + 2 x^2 - f(x))$$

Sequence: A320933
Score: 4.58646
Type of gen. func.: ogf

$$\{-a(n + 4) + 3 a(n + 3) - a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 5\}$$

Sequence: A320933
Score: 9.92481
Type of gen. func.: ogf

$$\frac{x^2 (x - 2)}{(x + 1) (2 x - 1) (x - 1)^2}$$

Sequence: A320934
Score: 10.6357
Type of gen. func.: ogf

$$-16 f(x) x^3 + 4 f(x) x^2 + 4 f(x) x + x^2 - f(x)$$

Sequence: A320934
Score: 17.7986
Type of gen. func.: ogf

$$\frac{x^2}{(2 x + 1) (2 x - 1) (4 x - 1)}$$

Sequence: A320934
Score: 21.2715
Type of gen. func.: ogf

$$\frac{x^2}{(2x+1)(2x-1)(4x-1)}$$

Sequence: A320934
Score: 8.46728
Type of gen. func.: ogf

$$\{a(n+3) - 4a(n+2) - 4a(n+1) + 16a(n),\ a(0) = 0,\ a(1) = 0,\ a(2) = 1\}$$

Sequence: A320935
Score: 5.75018
Type of gen. func.: ogf

$$\frac{x^2 (25x^5 - 49x^4 + 18x^3 + 10x^2 - 7x + 1)}{(x-1)(3x-1)(2x-1)(5x-1)(2x^2-1)(5x^2-1)}$$

Sequence: A320935
Score: 6.09606
Type of gen. func.: ogf

$$\frac{x^2 (25x^5 - 49x^4 + 18x^3 + 10x^2 - 7x + 1)}{(x-1)(3x-1)(2x-1)(5x-1)(2x^2-1)(5x^2-1)}$$

Sequence: A320936
Score: 3.52164
Type of gen. func.: ogf

$$x^2 (378x^8 - 882x^7 + 364x^6 + 376x^5 - 308x^4 + 18x^3 + 40x^2 - 12x + 1) \Big/ \left((x-1)(6x-1)(3x-1)(2x-1)(4x-1)(6x^2-1)(3x^2-1)(2x^2-1)\right)$$

Sequence: A320936
Score: 3.66686
Type of gen. func.: ogf

$$x^2 (378 x^8 - 882 x^7 + 364 x^6 + 376 x^5 - 308 x^4 + 18 x^3 + 40 x^2 - 12 x + 1) / ((x - 1) (6 x - 1) (3 x - 1) (2 x - 1) (4 x - 1) (6 x^2 - 1) (3 x^2 - 1) (2 x^2 - 1))$$

Sequence: A320947
Score: 11.1813
Type of gen. func.: ogf

$$- \frac{x^4 + 2 x^3 + x^2 - 2 x - 1}{(x^2 + x - 1)^2}$$

Sequence: A320947
Score: 12.6477
Type of gen. func.: ogf

$$- \frac{x^4 + 2 x^3 + x^2 - 2 x - 1}{(x^2 + x - 1)^2}$$

Sequence: A320947
Score: 4.94558
Type of gen. func.: ogf

$\{-a(n + 5) + 2 a(n + 4) + a(n + 3) - 2 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 4, a(2) = 8, a(3) = 16, a(4) = 30\}$

Sequence: A320947
Score: 5.17792
Type of gen. func.: ogf

$$-(3 f(x) + 1) \left(f(x) x^4 + 2 f(x) x^3 + x^4 - f(x) x^2 + 2 x^3 - 2 f(x) x + x^2 + f(x) - 2 x - 1\right)$$

Sequence: A321002
Score: 14.8309
Type of gen. func.: ogf

$$\frac{(x - 1) (2 x - 3)}{(6 x - 1) (2 x - 1)}$$

Sequence: A321002
Score: 17.2523
Type of gen. func.: ogf

$$\frac{(x - 1) (2 x - 3)}{(6 x - 1) (2 x - 1)}$$

Sequence: A321002
Score: 8.62615
Type of gen. func.: ogf

$$\{-a(n + 3) + 8 a(n + 2) - 12 a(n + 1), a(0) = 3, a(1) = 19, a(2) = 118\}$$

Sequence: A321002
Score: 8.71508
Type of gen. func.: ogf

$$(84 f(x) + 109) (12 f(x) x^2 - 8 f(x) x - 2 x^2 + f(x) + 5 x - 3)$$

Sequence: A321003
Score: 14.4459
Type of gen. func.: ogf

$$- \frac{2 x - 3}{(6 x - 1) (2 x - 1)}$$

Sequence: A321003
Score: 17.2646
Type of gen. func.: ogf

$$-\frac{2x-3}{(6x-1)(2x-1)}$$

Sequence: A321003
Score: 8.04374
Type of gen. func.: ogf

$$(26 f(x) + 43) (12 f(x) x^2 - 8 f(x) x + f(x) + 2 x - 3)$$

Sequence: A321003
Score: 9.3138
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 12 a(n), a(0) = 3, a(1) = 22\}$$

Sequence: A321012
Score: 4.81542
Type of gen. func.: ogf

$$-(3986 x^8 + 631 x^7 + 2510 x^6 + 652 x^5 + 897162 x^4 + 197325 x^3 + 103425 x^2 + 3216 x + 596) / ((x - 1) (x^2 + x + 1) (x^6 + x^3 + 1))$$

Sequence: A321012
Score: 5.05771
Type of gen. func.: ogf

$$-(3986 x^8 + 631 x^7 + 2510 x^6 + 652 x^5 + 897162 x^4 + 197325 x^3 + 103425 x^2 + 3216 x + 596) / ((x - 1) (x^2 + x + 1) (x^6 + x^3 + 1))$$

Sequence: A321019
Score: 10.8241

Type of gen. func.: ogf

$$\frac{(x+1)\,(x^6 - x^5 - 2\,x^4 - 4\,x^2 - x - 1)}{(x^2+1)\,(x-1)^3}$$

Sequence: A321019
Score: 9.89298
Type of gen. func.: ogf

$$\frac{(x+1)\,(x^6 - x^5 - 2\,x^4 - 4\,x^2 - x - 1)}{(x^2+1)\,(x-1)^3}$$

Sequence: A321025
Score: 11.6391
Type of gen. func.: ogf

$$-\frac{4\,x^4 + 7\,x^3 + 6\,x^2 + 5\,x + 4}{x^5 + x^4 - 1}$$

Sequence: A321025
Score: 13.0716
Type of gen. func.: ogf

$$-\frac{4\,x^4 + 7\,x^3 + 6\,x^2 + 5\,x + 4}{x^5 + x^4 - 1}$$

Sequence: A321025
Score: 7.72412
Type of gen. func.: ogf

{-a(n + 5) + a(n + 1) + a(n), a(0) = 4, a(1) = 5, a(2) = 6, a(3) = 7, a(4) = 8}

Sequence: A321045
Score: 14.0569

Type of gen. func.: ogf

$$\frac{3 x^2 + 14 x - 1}{18 x^2 + 15 x - 1}$$

Sequence: A321045
Score: 16.6127
Type of gen. func.: ogf

$$\frac{3 x^2 + 14 x - 1}{18 x^2 + 15 x - 1}$$

Sequence: A321045
Score: 7.30959
Type of gen. func.: ogf

$$(-764 + 765 f(x)) (18 f(x) x^2 + 15 f(x) x - 3 x^2 - f(x) - 14 x + 1)$$

Sequence: A321045
Score: 7.53566
Type of gen. func.: ogf

$$\{-a(n + 3) + 15 a(n + 2) + 18 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 30\}$$

Sequence: A321048
Score: 10.112
Type of gen. func.: ogf

$$\frac{x (x - 2)}{(x - 1) (x + 1) (x^4 - 2 x^3 + x^2 - 2 x + 1)}$$

Sequence: A321048
Score: 5.52214
Type of gen. func.: ogf

{-a(n + 6) + 2 a(n + 5) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 2, a(2) = 3,

a(3) = 6, a(4) = 12, a(5) = 24}

Sequence: A321048
Score: 9.16025
Type of gen. func.: ogf

$$\frac{x (x - 2)}{(x - 1) (x + 1) (x^4 - 2 x^3 + x^2 - 2 x + 1)}$$

Sequence: A321119
Score: 11.4479
Type of gen. func.: ogf

$$\frac{2 (x - 1) (x^2 - 3 x - 2)}{x^4 - 4 x^2 + 1}$$

Sequence: A321119
Score: 12.9493
Type of gen. func.: ogf

$$\frac{2 (x - 1) (x^2 - 3 x - 2)}{x^4 - 4 x^2 + 1}$$

Sequence: A321119
Score: 7.38229
Type of gen. func.: ogf

$$-(66 f(x) - 53) (f(x) x^4 - 4 f(x) x^2 - 2 x^3 + 8 x^2 + f(x) - 2 x - 4)$$

Sequence: A321119
Score: 7.97884
Type of gen. func.: ogf

{-a(n + 4) + 4 a(n + 2) - a(n), a(0) = 4, a(1) = 2, a(2) = 8, a(3) = 10}

Sequence: A321122
Score: 3.91233
Type of gen. func.: ogf

$$-\frac{9x^{14}-2x^{13}-24x^{11}+36x^{10}-32x^{9}-336x^{8}-256x^{7}+164x^{6}-96x^{5}-36x^{4}-8x^{3}-3x^{2}-2x-4}{(x^{4}-4x^{2}+1)(x^{8}+4x^{6}+15x^{4}+4x^{2}+1)}$$

Sequence: A321122
Score: 4.0745
Type of gen. func.: ogf

$$-\frac{9x^{14}-2x^{13}-24x^{11}+36x^{10}-32x^{9}-336x^{8}-256x^{7}+164x^{6}-96x^{5}-36x^{4}-8x^{3}-3x^{2}-2x-4}{(x^{4}-4x^{2}+1)(x^{8}+4x^{6}+15x^{4}+4x^{2}+1)}$$

Sequence: A321123
Score: 14.0436
Type of gen. func.: ogf

$$-\frac{3x^{3}+3x-2}{(2x-1)(x-1)^{3}}$$

Sequence: A321123
Score: 16.3364
Type of gen. func.: ogf

$$-\frac{3x^{3}+3x-2}{(2x-1)(x-1)^{3}}$$

Sequence: A321123
Score: 5.88591
Type of gen. func.: ogf

$$\{a(n+4) - 5 a(n+3) + 9 a(n+2) - 7 a(n+1) + 2 a(n), a(0) = 2, a(1) = 7, a(2) = 17, a(3) = 33\}$$

Sequence: A321123
Score: 6.11056
Type of gen. func.: ogf

$$(2 f(x) - 701)$$

$$(2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 + 3 x^3 - 5 f(x) x + f(x) + 3 x - 2)$$

Sequence: A321124
Score: 16.5525
Type of gen. func.: ogf

$$\frac{7 x^3 - x^2 + x + 1}{(x - 1)^4}$$

Sequence: A321124
Score: 19.7823
Type of gen. func.: ogf

$$\frac{7 x^3 - x^2 + x + 1}{(x - 1)^4}$$

Sequence: A321124
Score: 5.63246
Type of gen. func.: ogf

$$-(92 f(x) + 145)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 7 x^3 - 4 f(x) x + x^2 + f(x) - x - 1)$$

Sequence: A321124
Score: 5.96378
Type of gen. func.: ogf

{a(n + 4) - 4 a(n + 3) + 6 a(n + 2) - 4 a(n + 1) + a(n), a(0) = 1, a(1) = 5,

a(2) = 13, a(3) = 33}

Sequence: A321129
Score: 4.91453
Type of gen. func.: ogf

$$\frac{x^8 + 2 x^7 + x^6 - 2 x^5 - x^4 - 2 x^3 + x^2 + 2 x + 1}{(x + 1) (x - 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2}$$

Sequence: A321129
Score: 5.21014
Type of gen. func.: ogf

$$\frac{x^8 + 2 x^7 + x^6 - 2 x^5 - x^4 - 2 x^3 + x^2 + 2 x + 1}{(x + 1) (x - 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2}$$

Sequence: A321133
Score: 11.0967
Type of gen. func.: ogf

{a(n + 2) - 3 a(n + 1) - 10 a(n), a(0) = -1, a(1) = 23}

Sequence: A321133
Score: 16.8669
Type of gen. func.: ogf

$$- \frac{26 x - 1}{(2 x + 1) (5 x - 1)}$$

Sequence: A321133
Score: 20.0797
Type of gen. func.: ogf

$$-\frac{26\,x-1}{(2\,x+1)\,(5\,x-1)}$$

Sequence: A321133
Score: 9.37051
Type of gen. func.: ogf

$$(49\,f(x)+578)\,(10\,f(x)\,x^{2}+3\,f(x)\,x-f(x)+26\,x-1)$$

Sequence: A321168
Score: 5.29682
Type of gen. func.: ogf

$$-(6\,x^{18}-12\,x^{17}+6\,x^{16}+4\,x^{15}-8\,x^{14}+4\,x^{13}+4\,x^{11}-3\,x^{10}-6\,x^{9}+7\,x^{8}-4\,x^{7}+4\,x^{6}-4\,x^{5}+2\,x^{4}-1)\;\Big/\;(x-1)^{2}$$

Sequence: A321168
Score: 5.58706
Type of gen. func.: ogf

$$-(6\,x^{18}-12\,x^{17}+6\,x^{16}+4\,x^{15}-8\,x^{14}+4\,x^{13}+4\,x^{11}-3\,x^{10}-6\,x^{9}+7\,x^{8}-4\,x^{7}+4\,x^{6}-4\,x^{5}+2\,x^{4}-1)\;\Big/\;(x-1)^{2}$$

Sequence: A321173
Score: 13.3142
Type of gen. func.: ogf

$$\frac{2\,x^{2}-x+1}{x^{3}+x^{2}-2\,x-1}$$

Sequence: A321173
Score: 15.488
Type of gen. func.: ogf

$$\frac{2 x^{2} - x + 1}{x^{3} + x^{2} - 2 x - 1}$$

Sequence: A321173
Score: 6.83704
Type of gen. func.: ogf

$$(f(x) - 8) (f(x) x^{3} + f(x) x^{2} - 2 f(x) x - 2 x^{2} - f(x) + x - 1)$$

Sequence: A321173
Score: 7.29722
Type of gen. func.: ogf

$$\{a(n + 3) + 2 a(n + 2) - a(n + 1) - a(n), a(0) = -1, a(1) = 3, a(2) = -9\}$$

Sequence: A321174
Score: 13.013
Type of gen. func.: ogf

$$\frac{2 x^{2} + 6 x + 1}{x^{3} + x^{2} - 2 x - 1}$$

Sequence: A321174
Score: 15.1376
Type of gen. func.: ogf

$$\frac{2 x^{2} + 6 x + 1}{x^{3} + x^{2} - 2 x - 1}$$

Sequence: A321174
Score: 6.56408
Type of gen. func.: ogf

3   2   2

$$(22 f(x) + 37) (f(x) x + f(x) x - 2 f(x) x - 2 x - f(x) - 6 x - 1)$$

Sequence: A321174
Score: 7.13213
Type of gen. func.: ogf

$$\{-a(n + 3) - 2 a(n + 2) + a(n + 1) + a(n), a(0) = -1, a(1) = -4, a(2) = 5\}$$

Sequence: A321175
Score: 11.0795
Type of gen. func.: ogf

$$-\frac{3 x^2 - 3 x - 1}{x^3 + 2 x^2 - x - 1}$$

Sequence: A321175
Score: 5.10619
Type of gen. func.: ogf

$$-(f(x) + 2) (f(x) x^3 + 2 f(x) x^2 - f(x) x + 3 x^2 - f(x) - 3 x - 1)$$

Sequence: A321175
Score: 5.64627
Type of gen. func.: ogf

$$\{-a(n + 3) - a(n + 2) + 2 a(n + 1) + a(n), a(0) = -1, a(1) = -2, a(2) = 3\}$$

Sequence: A321175
Score: 9.62642
Type of gen. func.: ogf

$$-\frac{3 x^2 - 3 x - 1}{x^3 + 2 x^2 - x - 1}$$

Sequence: A321180

Score: 13.8766
Type of gen. func.: ogf

$$-\frac{16 x^2 + 19 x - 1}{(x - 1)^3}$$

Sequence: A321180
Score: 16.7231
Type of gen. func.: ogf

$$-\frac{16 x^2 + 19 x - 1}{(x - 1)^3}$$

Sequence: A321180
Score: 5.435
Type of gen. func.: ogf

$$(1580 f(x) - 19111) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 16 x^2 - f(x) + 19 x - 1)$$

Sequence: A321180
Score: 6.15283
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = -1, a(1) = 16, a(2) = 67\}$$

Sequence: A321195
Score: 4.64395
Type of gen. func.: ogf

$$-\frac{x^4 (x + 1) (x^2 - x + 1) (x^4 - x^3 + x^2 - x + 1)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A321195
Score: 4.85747
Type of gen. func.: ogf

$$-\frac{x^4 (x + 1) (x^2 - x + 1) (x^4 - x^3 + x^2 - x + 1)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A321197
Score: 8.96189
Type of gen. func.: ogf

$$x^3 - f(x) x^2 + f(x)^2 - f(x)^3$$

Sequence: A321199
Score: 15.102
Type of gen. func.: revogf

$$\frac{x (x + 1)^2}{x^3 + 4 x^2 + 3 x + 1}$$

Sequence: A321199
Score: 7.48416
Type of gen. func.: ogf

$$-f(x)^3 x^3 + f(x)^3 x^2 - 4 f(x)^2 x^2 + 2 f(x)^2 x - 3 f(x) x + f(x) - 1$$

Sequence: A321200
Score: 14.5169
Type of gen. func.: revogf

$$-\frac{(x - 1)^2 x}{3 x^3 - 4 x^2 + 3 x - 1}$$

Sequence: A321200
Score: 7.70806
Type of gen. func.: ogf

3 3   3 2   2 2   2

$$-3 f(x) x - f(x) x + 4 f(x) x + 2 f(x) x - 3 f(x) x - f(x) + 1$$

Sequence: A321202
Score: 11.2995
Type of gen. func.: ogf

$$-\frac{2 x^2 + 2 x + 1}{(x + 1)^2 (x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A321202
Score: 12.6095
Type of gen. func.: ogf

$$-\frac{2 x^2 + 2 x + 1}{(x + 1)^2 (x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A321204
Score: 16.2418
Type of gen. func.: revogf

$$-\frac{x (x + 1)^2}{x^3 - 2 x^2 - 3 x - 1}$$

Sequence: A321204
Score: 8.62396
Type of gen. func.: ogf

$$f(x)^3 x^3 + f(x)^3 x^2 - 2 f(x)^2 x^2 + 2 f(x)^2 x - 3 f(x) x + f(x) - 1$$

Sequence: A321205
Score: 12.1474
Type of gen. func.: revogf

$$-\frac{x (x - 1)^2}{}$$

$$x^3 - 2 x^2 + 3 x - 1$$

Sequence: A321205
Score: 6.44997
Type of gen. func.: ogf

$$-f(x)^3 x^3 - f(x)^3 x^2 + 2 f(x)^2 x^2 + 2 f(x)^2 x - 3 f(x) x - f(x) + 1$$

Sequence: A321212
Score: 18.715
Type of gen. func.: ogf

$$\frac{13 x^2 + x + 2}{(x + 1) (x - 1)^2}$$

Sequence: A321212
Score: 21.9698
Type of gen. func.: ogf

$$\frac{13 x^2 + x + 2}{(x + 1) (x - 1)^2}$$

Sequence: A321212
Score: 8.35214
Type of gen. func.: ogf

$$(20672 f(x) + 329519) (f(x) x^3 - f(x) x^2 - f(x) x - 13 x^2 + f(x) - x - 2)$$

Sequence: A321212
Score: 9.62484
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 3, a(2) = 18\}$$

Sequence: A321218
Score: 4.68538
Type of gen. func.: ogf

$$-(5x^{15} - 3x^{14} + 4x^{13} - x^{12} - x^{11} - 3x^{9} + 2x^{8} + 3x^{7} + x^{6} - x^{4} + 2x + 1) \Big/ ((x-1)(x+1)(x^{2} - x + 1)(x^{6} - x^{3} + 1))$$

Sequence: A321218
Score: 4.90587
Type of gen. func.: ogf

$$-(5x^{15} - 3x^{14} + 4x^{13} - x^{12} - x^{11} - 3x^{9} + 2x^{8} + 3x^{7} + x^{6} - x^{4} + 2x + 1) \Big/ ((x-1)(x+1)(x^{2} - x + 1)(x^{6} - x^{3} + 1))$$

Sequence: A321220
Score: 15.6736
Type of gen. func.: ogf

$$\frac{x^{3} + 3x + 2}{(x-1)^{2}(x+1)^{2}}$$

Sequence: A321220
Score: 18.4601
Type of gen. func.: ogf

$$\frac{x^{3} + 3x + 2}{(x-1)^{2}(x+1)^{2}}$$

Sequence: A321220
Score: 8.47656
Type of gen. func.: ogf

$\{a(n+4) - 2a(n+2) + a(n),\ a(0) = 2,\ a(1) = 3,\ a(2) = 4,\ a(3) = 7\}$

Sequence: A321220
Score: 8.83727
Type of gen. func.: ogf

$$(4 f(x) - 19) (f(x) x^4 - 2 f(x) x^2 - x^3 + f(x) - 3 x - 2)$$

Sequence: A321232
Score: 7.13956
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1) (x^6 + x^5 + x^3 + x + 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A321232
Score: 7.64501
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1) (x^6 + x^5 + x^3 + x + 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A321237
Score: 14.1062
Type of gen. func.: ogf

$$\frac{(2 x + 1) (3 x + 1)}{(2 x - 1) (x - 1)}$$

Sequence: A321237
Score: 16.4092
Type of gen. func.: ogf

$$\frac{(2 x + 1) (3 x + 1)}{(2 x - 1) (x - 1)}$$

Sequence: A321237
Score: 8.46369
Type of gen. func.: ogf

$$\{-a(n+3) + 3\,a(n+2) - 2\,a(n+1),\ a(0) = 1,\ a(1) = 8,\ a(2) = 28\}$$

Sequence: A321237
Score: 8.64571
Type of gen. func.: ogf

$$(f(x) + 1)\,(2\,f(x)\,x^2 - 3\,f(x)\,x - 6\,x^2 + f(x) - 5\,x - 1)$$

Sequence: A321244
Score: 10.4841
Type of gen. func.: ogf

$$\frac{x\,(268\,x^7 + 4076\,x^6 + 15273\,x^5 + 17710\,x^4 + 7010\,x^3 + 972\,x^2 + 49\,x + 2)}{(x - 1)^{10}}$$

Sequence: A321244
Score: 9.68531
Type of gen. func.: ogf

$$\frac{x\,(268\,x^7 + 4076\,x^6 + 15273\,x^5 + 17710\,x^4 + 7010\,x^3 + 972\,x^2 + 49\,x + 2)}{(x - 1)^{10}}$$

Sequence: A321257
Score: 12.4233
Type of gen. func.: ogf

$$-\frac{(2\,x + 1)\,(2\,x^2 + 1)}{(2\,x - 1)\,(x - 1)^2}$$

Sequence: A321257
Score: 14.167
Type of gen. func.: ogf

$$-\frac{(2x+1)(2x^2+1)}{(2x-1)(x-1)^2}$$

Sequence: A321257
Score: 6.40886
Type of gen. func.: ogf

{a(n + 4) - 4 a(n + 3) + 5 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 6, a(2) = 21,

a(3) = 60}

Sequence: A321257
Score: 6.67369
Type of gen. func.: ogf

(26 + 73 f(x))

$(2 f(x) x^3 - 5 f(x) x^2 + 4 x^3 + 4 f(x) x + 2 x^2 - f(x) + 2 x + 1)$

Sequence: A321266
Score: 8.38095
Type of gen. func.: ogf

$$-\frac{x^8+4x^7+4x^6+2x^5+2x^4+2x^3+3x^2+2x+1}{2x^3-1}$$

Sequence: A321266
Score: 9.13429
Type of gen. func.: ogf

$$-\frac{x^8+4x^7+4x^6+2x^5+2x^4+2x^3+3x^2+2x+1}{2x^3-1}$$

Sequence: A321268
Score: 10.0843

Type of gen. func.: ogf

$$\frac{2 x^4 (6 x^3 - 32 x^2 + 35 x - 11)}{(-1 + 3 x) (2 x - 1)^2 (x - 1)^4}$$

Sequence: A321268
Score: 9.12389
Type of gen. func.: ogf

$$\frac{2 x^4 (6 x^3 - 32 x^2 + 35 x - 11)}{(-1 + 3 x) (2 x - 1)^2 (x - 1)^4}$$

Sequence: A321306
Score: 5.70151
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^8 - x^7 + 4 x^6 + 4 x^4 + 3 x^2 - 2 x + 2}{(x^2 + 1) (x^2 - x + 1) (x^2 + x + 1)^2 (x + 1)^3 (x - 1)^6}$$

Sequence: A321306
Score: 6.02272
Type of gen. func.: ogf

$$\frac{x^{10} + 3 x^8 - x^7 + 4 x^6 + 4 x^4 + 3 x^2 - 2 x + 2}{(x^2 + 1) (x^2 - x + 1) (x^2 + x + 1)^2 (x + 1)^3 (x - 1)^6}$$

Sequence: A321311
Score: 10.7905
Type of gen. func.: ogf

$$\frac{10 x^4 + 13 x^3 + 9 x^2 - 24 x + 10}{(-1 + 3 x) (2 x - 1)}$$

Sequence: A321311
Score: 12.1185
Type of gen. func.: ogf

$$\frac{10 x^4 + 13 x^3 + 9 x^2 - 24 x + 10}{(-1 + 3 x) (2 x - 1)}$$

Sequence: A321311
Score: 6.2024
Type of gen. func.: ogf

$$(10570660 f(x) - 17529703)$$

$$(-10 x^4 + 6 f(x) x^2 - 13 x^3 - 5 f(x) x - 9 x^2 + f(x) + 24 x - 10)$$

Sequence: A321311
Score: 6.30164
Type of gen. func.: ogf

{-a(n + 5) + 5 a(n + 4) - 6 a(n + 3), a(0) = 10, a(1) = 26, a(2) = 79,

a(3) = 252, a(4) = 796}

Sequence: A321324
Score: 6.01214
Type of gen. func.: ogf

$$-\frac{x^7 - x^6 + x^5 + x^4 - x^3 + 2 x^2 - 2 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A321324
Score: 6.38498
Type of gen. func.: ogf

$$-\frac{x^7 - x^6 + x^5 + x^4 - x^3 + 2 x^2 - 2 x + 1}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A321341
Score: 6.01927
Type of gen. func.: ogf

$$-\frac{x^9 - x^8 - x^7 - 2x^6 - x^4 - 2x^3 - x^2 - x - 1}{(x^4 + 1)(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A321341
Score: 6.39256
Type of gen. func.: ogf

$$-\frac{x^9 - x^8 - x^7 - 2x^6 - x^4 - 2x^3 - x^2 - x - 1}{(x^4 + 1)(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A321351
Score: 4.53166
Type of gen. func.: ogf

$$\frac{x (29x^{26} - 29x^{23} + 9x^8 - 33x^5 + x^3 + 26x^2 + 1)}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A321351
Score: 4.89785
Type of gen. func.: ogf

$$\frac{x (29x^{26} - 29x^{23} + 9x^8 - 33x^5 + x^3 + 26x^2 + 1)}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A321358
Score: 11.2237
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1) + 4 a(n), a(0) = 3, a(1) = 5\}$$

Sequence: A321358
Score: 16.611
Type of gen. func.: ogf

$$-\frac{10 x - 3}{(4 x - 1) (x - 1)}$$

Sequence: A321358
Score: 19.775
Type of gen. func.: ogf

$$-\frac{10 x - 3}{(4 x - 1) (x - 1)}$$

Sequence: A321358
Score: 9.12693
Type of gen. func.: ogf

$$-(f(x) + 22) (4 f(x) x^2 - 5 f(x) x + f(x) + 10 x - 3)$$

Sequence: A321383
Score: 11.4998
Type of gen. func.: ogf

$$-\frac{x^4 + 14 x^3 + 20 x^2 + 14 x + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A321383
Score: 12.8527
Type of gen. func.: ogf

$$-\frac{x^4 + 14 x^3 + 20 x^2 + 14 x + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A321383
Score: 5.1715

Type of gen. func.: ogf

$$\{a(n + 5) - a(n + 4) - 2 a(n + 3) + 2 a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 15, a(2) = 37, a(3) = 79, a(4) = 123\}$$

Sequence: A321398
Score: 8.04668
Type of gen. func.: egf]

$$1/6 I (3 I \ln(x - 1) + \ln(-1 + 3 x) I + 4 Pi)$$

Sequence: A321416
Score: 7.54789
Type of gen. func.: ogf

$$\frac{x^4 - x^3 + x^2 - x + 1}{(x^4 + x^3 + x^2 + x + 1) (x + 1)^4 (x - 1)^6}$$

Sequence: A321416
Score: 8.1704
Type of gen. func.: ogf

$$\frac{x^4 - x^3 + x^2 - x + 1}{(x^4 + x^3 + x^2 + x + 1) (x + 1)^4 (x - 1)^6}$$

Sequence: A321417
Score: 11.3154
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1)^2}{(x^2 + x + 1)^2 (x + 1)^4 (x - 1)^8}$$

Sequence: A321417
Score: 12.7081
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1)^2}{(x^2 + x + 1)^2 (x + 1)^4 (x - 1)^8}$$

Sequence: A321418
Score: 6.11805
Type of gen. func.: ogf

$$-\frac{x^8 - x^7 + x^5 - x^4 + x^3 - x + 1}{(x^4 + x^3 + x^2 + x + 1)^2 (x^2 + x + 1)^4 (x - 1)^7}$$

Sequence: A321418
Score: 6.50961
Type of gen. func.: ogf

$$-\frac{x^8 - x^7 + x^5 - x^4 + x^3 - x + 1}{(x^4 + x^3 + x^2 + x + 1)^2 (x^2 + x + 1)^4 (x - 1)^7}$$

Sequence: A321421
Score: 16.6666
Type of gen. func.: ogf

$$\frac{6 x + 1}{(4 x - 1) (x - 1)}$$

Sequence: A321421
Score: 20.2702
Type of gen. func.: ogf

$$\frac{6 x + 1}{(4 x - 1) (x - 1)}$$

Sequence: A321421
Score: 8.62067
Type of gen. func.: ogf

$$(47 f(x) + 74) (4 f(x) x^2 - 5 f(x) x + f(x) - 6 x - 1)$$

Sequence: A321421
Score: 9.99997
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 11\}$$

Sequence: A321461
Score: 11.1429
Type of gen. func.: ogf

$$\frac{4 x^2 + 3 x + 1}{x^3 + 2 x^2 - x - 1}$$

Sequence: A321461
Score: 4.74786
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^3 + 2 f(x) x^2 - f(x) x - 4 x^2 - f(x) - 3 x - 1)$$

Sequence: A321461
Score: 5.25004
Type of gen. func.: ogf

$$\{a(n + 3) + a(n + 2) - 2 a(n + 1) - a(n), a(0) = -1, a(1) = -2, a(2) = -4\}$$

Sequence: A321461
Score: 9.57902
Type of gen. func.: ogf

$$\frac{4 x^2 + 3 x + 1}{x^3 + 2 x^2 - x - 1}$$

Sequence: A321465
Score: 5.34387
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{2 (2 x^8 - 6 x^7 + 9 x^6 - 2 x^5 - 3 x^4 + 3 x^3 + 4 x^2 - 9 x + 6)}{(x + 1) (x^2 + 1) (x^2 - x + 1) (x^4 - x^2 + 1)}$$

Sequence: A321466
Score: 7.7791
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{2 (2 x^5 - 5 x^3 + x^2 + 5 x - 2)}{(x^2 - x + 1) (x^4 - x^2 + 1)}$$

Sequence: A321483
Score: 10.4896
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 2 a(n), a(0) = 8, a(1) = 13\}$$

Sequence: A321483
Score: 16.0556
Type of gen. func.: ogf

$$- \frac{5 x + 8}{(x + 1) (2 x - 1)}$$

Sequence: A321483
Score: 19.1883
Type of gen. func.: ogf

$$- \frac{5 x + 8}{(x + 1) (2 x - 1)}$$

Sequence: A321483
Score: 8.55133
Type of gen. func.: ogf

$$-(45 f(x) - 191) (2 f(x) x^2 + f(x) x - f(x) + 5 x + 8)$$

Sequence: A321499
Score: 7.68943
Type of gen. func.: ogf

$$-\frac{x^8 + x^7 + x^5 - 2 x^4 - 2 x^3 - 2 x^2 - 2 x - 3}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A321499
Score: 8.23381
Type of gen. func.: ogf

$$-\frac{x^8 + x^7 + x^5 - 2 x^4 - 2 x^3 - 2 x^2 - 2 x - 3}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A321501
Score: 11.2657
Type of gen. func.: ogf

$$\frac{x (2 x^8 + x^4 + x^3 + 2 x^2 + x + 1)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A321501
Score: 12.3783
Type of gen. func.: ogf

$$\frac{x (2 x^8 + x^4 + x^3 + 2 x^2 + x + 1)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A321528
Score: 3.497

Type of gen. func.: ogf_with_Euler_transform]

```
    11      10      9      8      7      6      5      4      3      2
(4 x   + 6 x   + 9 x  + 4 x  + 6 x  + 6 x  + 6 x  + 6 x  + 6 x  + 4 x  + 9 x

          /          2                    2            2        4    2
     + 6)  /  ((x - 1) (x  + x + 1) (x + 1) (x  - x + 1) (x  + 1) (x  - x  + 1)
        /

    )
```

Sequence: A321541
Score: 5.67897
Type of gen. func.: ogf

```
         9         8         7          6         5       4       3       2
(118800 x  + 8910 x  + 8811 x  + 12321 x  + 2439 x  - 78 x  - 11 x  - 22 x

     - 7 x + 1)/((x - 1) (10 x - 1) (x + 1))
```

Sequence: A321541
Score: 6.0155
Type of gen. func.: ogf

```
         9         8         7          6         5       4       3       2
(118800 x  + 8910 x  + 8811 x  + 12321 x  + 2439 x  - 78 x  - 11 x  - 22 x

     - 7 x + 1)/((x - 1) (10 x - 1) (x + 1))
```

Sequence: A321542
Score: 5.63227
Type of gen. func.: ogf

```
{a(n + 7) - a(n + 5), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 27, a(4) = 18,

    a(5) = 45, a(6) = 135}
```

Sequence: A321542
Score: 7.81251
Type of gen. func.: ogf

```
                     6       5      4       3      2
                117 x  + 18 x  + 9 x  + 24 x  + 8 x  + 3 x + 1
              - ----------------------------------------------
                              (x - 1) (x + 1)
```

Sequence: A321542
Score: 8.5478
Type of gen. func.: ogf

$$-\frac{117 x^{6} + 18 x^{5} + 9 x^{4} + 24 x^{3} + 8 x^{2} + 3 x + 1}{(x - 1) (x + 1)}$$

Sequence: A321573
Score: 15.1211
Type of gen. func.: ogf

$$-\frac{x^{2} + 1}{(x + 1) (-1 + 3 x)}$$

Sequence: A321573
Score: 17.8093
Type of gen. func.: ogf

$$-\frac{x^{2} + 1}{(x + 1) (-1 + 3 x)}$$

Sequence: A321573
Score: 8.52571
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 3 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 8\}$$

Sequence: A321573
Score: 8.80677
Type of gen. func.: ogf

$$(19 f(x) - 16) (3 f(x) x^{2} + 2 f(x) x + x^{2} - f(x) + 1)$$

Sequence: A321574
Score: 11.2977
Type of gen. func.: ogf

2 2

$$-6 f(x)\ x + f(x)\ - 2 f(x) x - 1$$

Sequence: A321574
Score: 11.6682
Type of gen. func.: ogf

$$-\frac{x + (x^2 - 6 x + 1)^{1/2}}{6 x - 1}$$

Sequence: A321579
Score: 4.90936
Type of gen. func.: ogf

$$\{-a(n + 5) + 5 a(n + 4) - 20 a(n + 2) + 16 a(n + 1), a(0) = 0, a(1) = 0,$$
$$a(2) = 6, a(3) = 36, a(4) = 132\}$$

Sequence: A321579
Score: 5.24924
Type of gen. func.: ogf

$$-(340 f(x) + 921)$$
$$(16 f(x) x^4 - 20 f(x) x^3 - 48 x^4 + 6 x^3 + 5 f(x) x + 6 x^2 - f(x))$$

Sequence: A321579
Score: 8.02825
Type of gen. func.: ogf

$$\frac{6 x^2 (8 x^2 - x - 1)}{(x - 1) (2 x + 1) (2 x - 1) (4 x - 1)}$$

Sequence: A321579
Score: 8.86236
Type of gen. func.: ogf

$$\frac{6 x^2 (8 x^2 - x - 1)}{(x - 1) (2 x + 1) (2 x - 1) (4 x - 1)}$$

Sequence: A321614
Score: 3.29964
Type of gen. func.: ogf

$$\frac{(2 x - 1) (3 x^7 - 6 x^6 - 7 x^5 + 2 x^4 + 18 x^3 - 17 x^2 + 6 x - 1)}{(x^2 - 3 x + 1) (3 x^2 - 1) (x^2 + x - 1) (-1 + 3 x)^2 (x - 1)^2}$$

Sequence: A321614
Score: 3.46994
Type of gen. func.: ogf

$$\frac{(2 x - 1) (3 x^7 - 6 x^6 - 7 x^5 + 2 x^4 + 18 x^3 - 17 x^2 + 6 x - 1)}{(x^2 - 3 x + 1) (3 x^2 - 1) (x^2 + x - 1) (-1 + 3 x)^2 (x - 1)^2}$$

Sequence: A321632
Score: 13.1367
Type of gen. func.: ogf

$$\frac{3 x^2 + 3 x + 1}{(x + 1) (2 x^2 + 2 x + 1)}$$

Sequence: A321632
Score: 15.1196
Type of gen. func.: ogf

$$\frac{3 x^2 + 3 x + 1}{(x + 1) (2 x^2 + 2 x + 1)}$$

Sequence: A321632
Score: 7.77999
Type of gen. func.: ogf

{-a(n + 3) - 3 a(n + 2) - 4 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 0, a(2) = -1}

Sequence: A321632
Score: 9.0038
Type of gen. func.: ogf

$$-2 f(x) x^{3} - 4 f(x) x^{2} - 3 f(x) x + 3 x^{2} - f(x) + 3 x + 1$$

Sequence: A321643
Score: 12.1727
Type of gen. func.: ogf

$$-\frac{7 x + 4}{(x + 1) (2 x - 1)}$$

Sequence: A321643
Score: 14.5479
Type of gen. func.: ogf

$$-\frac{7 x + 4}{(x + 1) (2 x - 1)}$$

Sequence: A321643
Score: 6.85592
Type of gen. func.: ogf

$$(27 f(x) + 13) (2 f(x) x^{2} + f(x) x - f(x) + 7 x + 4)$$

Sequence: A321643
Score: 7.95286
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - 2 a(n), a(0) = 4, a(1) = 11\}$$

Sequence: A321656
Score: 2.41768
Type of gen. func.: ogf

2 2 2

$$-(f(x) x + f(x) x + x - f(x) + x)$$

Sequence: A321664
Score: 7.45035
Type of gen. func.: ogf

$$-\frac{x (x^6 + x^4 - x^2 - x - 1)}{(x - 1) (x^2 + x + 1) (x^6 + x^3 - 1)}$$

Sequence: A321664
Score: 8.04048
Type of gen. func.: ogf

$$-\frac{x (x^6 + x^4 - x^2 - x - 1)}{(x - 1) (x^2 + x + 1) (x^6 + x^3 - 1)}$$

Sequence: A321672
Score: 13.8733
Type of gen. func.: ogf

$$\frac{12 x^2 (x^2 + 3 x + 1)}{(x - 1)^6}$$

Sequence: A321672
Score: 16.5158
Type of gen. func.: ogf

$$\frac{12 x^2 (x^2 + 3 x + 1)}{(x - 1)^6}$$

Sequence: A321672
Score: 3.41707
Type of gen. func.: ogf

$\{-a(n + 6) + 6 a(n + 5) - 15 a(n + 4) + 20 a(n + 3) - 15 a(n + 2) + 6 a(n + 1) - a(n), a(0) = 0, a(1) = 0, a(2) = 12, a(3) = 108, a(4) = 480, a(5) = 1500\}$

Sequence: A321684
Score: 4.25254
Type of gen. func.: ogf

$$-x (x^{19} - 2 x^{18} + 2 x^{16} - 2 x^{15} + x^{14} + x^{13} - 2 x^{12} + 3 x^{10} - 4 x^{9} + x^{8} + 2 x^{7} - x^{6} - x^{5} + 2 x^{4} + 1) / ((x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{3})$$

Sequence: A321684
Score: 4.43643
Type of gen. func.: ogf

$$-x (x^{19} - 2 x^{18} + 2 x^{16} - 2 x^{15} + x^{14} + x^{13} - 2 x^{12} + 3 x^{10} - 4 x^{9} + x^{8} + 2 x^{7} - x^{6} - x^{5} + 2 x^{4} + 1) / ((x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{3})$$

Sequence: A321703
Score: 10.4671
Type of gen. func.: ogf

$\{-a(n + 3) + 3 a(n + 2) + 4 a(n + 1) + a(n), a(0) = 1, a(1) = 1, a(2) = 5\}$

Sequence: A321703
Score: 19.0978
Type of gen. func.: ogf

$$\frac{2 x^{2} + 2 x - 1}{x^{3} + 4 x^{2} + 3 x - 1}$$

Sequence: A321703
Score: 22.2158
Type of gen. func.: ogf

$$\frac{2 x^2 + 2 x - 1}{x^3 + 4 x^2 + 3 x - 1}$$

Sequence: A321703
Score: 9.30405
Type of gen. func.: ogf

$$-(33 f(x) - 38) (f(x) x^3 + 4 f(x) x^2 + 3 f(x) x - 2 x^2 - f(x) - 2 x + 1)$$

Sequence: A321715
Score: 18.1941
Type of gen. func.: ogf

$$\frac{2 x^2 + 4 x - 1}{x^3 + 4 x^2 + 3 x - 1}$$

Sequence: A321715
Score: 21.1646
Type of gen. func.: ogf

$$\frac{2 x^2 + 4 x - 1}{x^3 + 4 x^2 + 3 x - 1}$$

Sequence: A321715
Score: 8.8638
Type of gen. func.: ogf

$$-(13 f(x) + 22) (f(x) x^3 + 4 f(x) x^2 + 3 f(x) x - 2 x^2 - f(x) - 4 x + 1)$$

Sequence: A321715
Score: 9.97177
Type of gen. func.: ogf

$\{a(n + 3) - 3 a(n + 2) - 4 a(n + 1) - a(n), a(0) = 1, a(1) = -1, a(2) = -1\}$

Sequence: A321760
Score: 2.01114
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A321773
Score: 11.1915
Type of gen. func.: ogf

$$\frac{5 x^2 + 3 x + 1}{(x + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A321773
Score: 12.569
Type of gen. func.: ogf

$$\frac{5 x^2 + 3 x + 1}{(x + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A321773
Score: 6.38268
Type of gen. func.: ogf

$\{-a(n + 5) + a(n + 3) + a(n + 2) - a(n), a(0) = 1, a(1) = 3, a(2) = 6, a(3) = 4,$

$a(4) = 9\}$

Sequence: A321774
Score: 8.53943
Type of gen. func.: ogf

$$\frac{7 x^3 + 4 x^2 + 4 x + 1}{(x + 1) (x^2 + 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A321774
Score: 9.30702
Type of gen. func.: ogf

$$\frac{7 x^{3} + 4 x^{2} + 4 x + 1}{(x + 1) (x^{2} + 1) (x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A321775
Score: 5.10951
Type of gen. func.: ogf

$$\frac{29 x^{6} + 34 x^{5} + 49 x^{4} + 35 x^{3} + 21 x^{2} + 6 x + 1}{(x + 1)^{2} (x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{2} + 1) (x - 1)^{2}}$$

Sequence: A321775
Score: 5.37494
Type of gen. func.: ogf

$$\frac{29 x^{6} + 34 x^{5} + 49 x^{4} + 35 x^{3} + 21 x^{2} + 6 x + 1}{(x + 1)^{2} (x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{2} + 1) (x - 1)^{2}}$$

Sequence: A321798
Score: 12.7246
Type of gen. func.: revogf

$$\frac{x (x - 1)^{4}}{x^{4} - 4 x^{3} + 6 x^{2} - 3 x + 1}$$

Sequence: A321799
Score: 11.6141
Type of gen. func.: revogf

$$\frac{x (x - 1)}{x^5 - 5 x^4 + 10 x^3 - 10 x^2 + 4 x - 1}$$

Sequence: A321837
Score: 25.0499
Type of gen. func.: lgdegf]

$$\frac{1}{(-1 + 3 x)^2}$$

Sequence: A321837
Score: 4.77141
Type of gen. func.: ogf

$\{9 a(n) n^2 - 6 a(n + 1) n + 9 a(n) n + a(n + 2) - 7 a(n + 1), a(0) = 1,$

$a(1) = 1\}$

Sequence: A321847
Score: 26.9768
Type of gen. func.: lgdegf]

$$\frac{1}{(4 x - 1)^2}$$

Sequence: A321847
Score: 5.05815
Type of gen. func.: ogf

$\{16 a(n) n^2 + 16 a(n) n - 8 a(n + 1) n + a(n + 2) - 9 a(n + 1), a(0) = 1,$

$a(1) = 1\}$

Sequence: A321847
Score: 5.05815
Type of gen. func.: ogf

^{2}

$\{16 a(n) n + 16 a(n) n - 8 a(n + 1) n + a(n + 2) - 9 a(n + 1), a(0) = 1,$

$a(1) = 1\}$

Sequence: A321848
Score: 28.5424
Type of gen. func.: lgdegf]

$$\frac{1}{(5 x - 1)^2}$$

Sequence: A321848
Score: 5.26937
Type of gen. func.: ogf

$\{25 a(n) n^2 + 25 a(n) n - 10 a(n + 1) n + a(n + 2) - 11 a(n + 1), a(0) = 1,$

$a(1) = 1\}$

Sequence: A321848
Score: 5.26937
Type of gen. func.: ogf

$\{25 a(n) n^2 + 25 a(n) n - 10 a(n + 1) n + a(n + 2) - 11 a(n + 1), a(0) = 1,$

$a(1) = 1\}$

Sequence: A321849
Score: 25.617
Type of gen. func.: lgdegf]

$$\frac{1}{(6 x - 1)^2}$$

Sequence: A321850
Score: 26.6794
Type of gen. func.: lgdegf]

$$\frac{1}{\ }$$

$$(7 x - 1)^2$$

Sequence: A321853
Score: 5.79677
Type of gen. func.: egf]

$$\frac{(2 I \ln(x - 1) x - 2 I \ln(x - 1) - 3 I x + 2 Pi x - 2 Pi) I}{(x - 1)^4}$$

Sequence: A321883
Score: 13.5102
Type of gen. func.: ogf

$$- \frac{x (x^5 + x^4 - 2 x^3 - 1)}{(x - 1)^2}$$

Sequence: A321883
Score: 15.5494
Type of gen. func.: ogf

$$- \frac{x (x^5 + x^4 - 2 x^3 - 1)}{(x - 1)^2}$$

Sequence: A321883
Score: 5.84482
Type of gen. func.: ogf

{a(n + 7) - 2 a(n + 6) + a(n + 5), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 3,

a(4) = 6, a(5) = 8, a(6) = 9}

Sequence: A321942
Score: 2.72714
Type of gen. func.: egf]

```
  /      1
- |exp(-----) exp(1) x + exp(1) exp(-1) - exp(1) Ei(1, 1)
```

```
      x - 1

                 1                    1                        1      /
     + Ei(1, - -----) exp(1) - exp(-----) exp(1) - 1| exp(- -----)  /  (exp(1)
               x - 1                x - 1            /       x - 1  /

             2
    (x - 1) )
```

Sequence: A321945
Score: 3.1074
Type of gen. func.: ogf

```
                                               2
                                  (f(x) - x - 1)
```

Sequence: A321957
Score: 3.79002
Type of gen. func.: ogf

```
         3  3             3  2             3             2  2          3
1728 f(x)  x  - 688 f(x)  x  + 91 f(x)  x + 432 f(x)  x  - 4 f(x)

              2                2          2                        2
     - 118 f(x)  x + 120 f(x) x  + 8 f(x)  + 12 f(x) x - 8 x  - 4 f(x) + 16 x
```

Sequence: A321959
Score: 12.9539
Type of gen. func.: ogf

```
                                      x (x - 1)
                            - ---------------------------
                                    2                     2
                              (2 x  - 2 x + 1) (2 x - 1)
```

Sequence: A321959
Score: 14.9092
Type of gen. func.: ogf

```
                                      x (x - 1)
                            - ---------------------------
                                    2                     2
                              (2 x  - 2 x + 1) (2 x - 1)
```

Sequence: A321959
Score: 5.8102
Type of gen. func.: ogf

$$\{-a(n + 4) + 6 a(n + 3) - 14 a(n + 2) + 16 a(n + 1) - 8 a(n), a(0) = 0,$$

$$a(1) = 1, a(2) = 5, a(3) = 16\}$$

Sequence: A321959
Score: 6.17334
Type of gen. func.: ogf

$$(2 f(x) + 59) (8 f(x) x^4 - 16 f(x) x^3 + 14 f(x) x^2 - 6 f(x) x + x^2 + f(x) - x)$$

Sequence: A321965
Score: 15.2226
Type of gen. func.: lgdegf]

$$-\frac{x^2 - 2 x + 2}{(x - 1)^3}$$

Sequence: A321974
Score: 15.7524
Type of gen. func.: lgdegf]

$$-\frac{\exp(x) (x - 2)}{(x - 1)^2}$$

Sequence: A321986
Score: 4.266
Type of gen. func.: ogf

$$-\frac{x^2 (x^2 - x + 1) (x^5 + x^4 + x^3 + 2 x^2 + 3 x + 1)}{(x + 1)^2 (x^2 + 1)^2 (x - 1)^3}$$

Sequence: A321986
Score: 4.56802
Type of gen. func.: ogf

$$-\frac{x^2 (x^2 - x + 1) (x^5 + x^4 + x^3 + 2 x^2 + 3 x + 1)}{(x + 1)^2 (x^2 + 1)^2 (x - 1)^3}$$

Sequence: A321988
Score: 6.30947
Type of gen. func.: ogf

$$-\frac{x^2 (3 x^5 + 5 x^4 + 11 x^3 + 10 x^2 + 9 x + 4)}{(x^2 + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A321988
Score: 6.84079
Type of gen. func.: ogf

$$-\frac{x^2 (3 x^5 + 5 x^4 + 11 x^3 + 10 x^2 + 9 x + 4)}{(x^2 + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A321999
Score: 4.69687
Type of gen. func.: ogf

$$\frac{x^2 (x^{18} + x^9 - 9 x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A321999
Score: 4.89889
Type of gen. func.: ogf

$$\frac{x^2 (x^{18} + x^9 - 9 x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A322008

Score: 5.62433
Type of gen. func.: ogf

$$\frac{x^{11} - x^{10} - x^{9} - 2 x^{7} - 2 x^{6} - 2 x^{5} - 2 x^{4} - 2 x^{3} - 2 x^{2} - x - 2}{(x + 1) (x^{2} + 1) (x^{4} + 1) (x - 1)^{3}}$$

Sequence: A322008
Score: 5.93898
Type of gen. func.: ogf

$$\frac{x^{11} - x^{10} - x^{9} - 2 x^{7} - 2 x^{6} - 2 x^{5} - 2 x^{4} - 2 x^{3} - 2 x^{2} - x - 2}{(x + 1) (x^{2} + 1) (x^{4} + 1) (x - 1)^{3}}$$

Sequence: A322031
Score: 14.0353
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{2 (5 x + 4)}{(x - 1) (x + 1)}$$

Sequence: A322039
Score: 14.1339
Type of gen. func.: ogf

$$\frac{(x + 1)^{2}}{(2 x + 1)^{2} (x - 1)^{2}}$$

Sequence: A322039
Score: 17.1898
Type of gen. func.: ogf

$$\frac{(x + 1)^{2}}{(2 x + 1)^{2} (x - 1)^{2}}$$

Sequence: A322039
Score: 4.78213
Type of gen. func.: ogf

$$\{a(n + 4) + 2 a(n + 3) - 3 a(n + 2) - 4 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 0, a(2) = 4, a(3) = -4\}$$

Sequence: A322039
Score: 4.89249
Type of gen. func.: ogf

$$(5 f(x) + 11) (4 f(x) x^4 - 4 f(x) x^3 - 3 f(x) x^2 + 2 f(x) x - x^2 + f(x) - 2 x - 1)$$

Sequence: A322040
Score: 12.857
Type of gen. func.: ogf

$$\frac{(x + 1)^2}{(x - 1)^2 (2 x^2 + 2 x + 1)^2}$$

Sequence: A322040
Score: 15.1427
Type of gen. func.: ogf

$$\frac{(x + 1)^2}{(x - 1)^2 (2 x^2 + 2 x + 1)^2}$$

Sequence: A322040
Score: 3.91622
Type of gen. func.: ogf

$$\{a(n + 6) + 2 a(n + 5) + a(n + 4) - 4 a(n + 3) - 4 a(n + 2) + 4 a(n), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 4, a(4) = -4, a(5) = 4\}$$

Sequence: A322042
Score: 13.1333
Type of gen. func.: ogf

$$\frac{x (x + 1)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A322042
Score: 15.2775
Type of gen. func.: ogf

$$\frac{x (x + 1)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A322042
Score: 6.50956
Type of gen. func.: ogf

{a(n + 4) - a(n + 3) - a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 2}

Sequence: A322042
Score: 8.80705
Type of gen. func.: ogf

$$-f(x) x^4 + f(x) x^3 + f(x) x + x^2 - f(x) + x$$

Sequence: A322043
Score: 20.8785
Type of gen. func.: ogf

$$- \frac{53 x^2 + 323 x + 53}{(x - 1)^3}$$

Sequence: A322043
Score: 24.9524
Type of gen. func.: ogf

$$-\frac{53 x^2 + 323 x + 53}{(x - 1)^3}$$

Sequence: A322043
Score: 8.38563
Type of gen. func.: ogf

$$(523 f(x) - 111014)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 53 x^2 - f(x) + 323 x + 53)$$

Sequence: A322043
Score: 9.30042
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 53, a(1) = 482, a(2) = 1340}

Sequence: A322048
Score: 3.36347
Type of gen. func.: ogf

$$\frac{6 x^4 + 2 x^2 + 2 x + 1}{(2 x - 1) (x - 1)}$$

Sequence: A322048
Score: 3.87116
Type of gen. func.: ogf

$$\frac{6 x^4 + 2 x^2 + 2 x + 1}{(2 x - 1) (x - 1)}$$

Sequence: A322052
Score: 16.1825
Type of gen. func.: ogf

$$-\frac{x}{{}^{2}}$$

$$(10 x - 1) (x - 10 x + 1)$$

Sequence: A322052
Score: 19.1932
Type of gen. func.: ogf

$$- \frac{x}{(10 x - 1) (x^2 - 10 x + 1)}$$

Sequence: A322052
Score: 7.17659
Type of gen. func.: ogf

$$-(990001 f(x) - 2020) (10 f(x) x^3 - 101 f(x) x^2 + 20 f(x) x - f(x) + x)$$

Sequence: A322052
Score: 7.64174
Type of gen. func.: ogf

$$\{-a(n + 3) + 20 a(n + 2) - 101 a(n + 1) + 10 a(n), a(0) = 0, a(1) = 1, a(2) = 20\}$$

Sequence: A322053
Score: 14.3925
Type of gen. func.: ogf

$$\frac{x}{(10 x - 1) (9 x^2 + 9 x - 1)}$$

Sequence: A322053
Score: 17.4225
Type of gen. func.: ogf

$$\frac{x}{(10 x - 1) (9 x^2 + 9 x - 1)}$$

Sequence: A322053
Score: 6.18745
Type of gen. func.: ogf

$$-(19 f(x) + 1) (90 f(x) x^3 + 81 f(x) x^2 - 19 f(x) x + f(x) - x)$$

Sequence: A322053
Score: 6.18745
Type of gen. func.: ogf

$$\{-a(n + 3) + 19 a(n + 2) - 81 a(n + 1) - 90 a(n), a(0) = 0, a(1) = 1, a(2) = 19 \}$$

Sequence: A322054
Score: 13.634
Type of gen. func.: ogf

$$-\frac{9 x + 10}{9 x^2 + 9 x - 1}$$

Sequence: A322054
Score: 16.5044
Type of gen. func.: ogf

$$-\frac{9 x + 10}{9 x^2 + 9 x - 1}$$

Sequence: A322054
Score: 6.67197
Type of gen. func.: ogf

$$-(119 f(x) - 101) (9 f(x) x^2 + 9 f(x) x - f(x) + 9 x + 10)$$

Sequence: A322054
Score: 8.25218
Type of gen. func.: ogf

$\{-a(n + 2) + 9 a(n + 1) + 9 a(n), a(0) = 10, a(1) = 99\}$

Sequence: A322055
Score: 5.68952
Type of gen. func.: ogf

$$(8 x^{12} - 16 x^{11} + 8 x^{10} - 49 x^{8} - 72 x^{6} - 24 x^{5} - 70 x^{4} - 32 x^{3} - 32 x^{2} - 8 x - 1) / ((x + 1)^{2} (x^{2} + 1)^{2} (x - 1)^{3})$$

Sequence: A322055
Score: 6.02667
Type of gen. func.: ogf

$$(8 x^{12} - 16 x^{11} + 8 x^{10} - 49 x^{8} - 72 x^{6} - 24 x^{5} - 70 x^{4} - 32 x^{3} - 32 x^{2} - 8 x - 1) / ((x + 1)^{2} (x^{2} + 1)^{2} (x - 1)^{3})$$

Sequence: A322056
Score: 5.72586
Type of gen. func.: ogf

$$- (8 x^{12} - 16 x^{11} + 8 x^{10} - 49 x^{8} - 72 x^{6} - 24 x^{5} - 70 x^{4} - 32 x^{3} - 32 x^{2} - 8 x - 1) / ((x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2})$$

Sequence: A322056
Score: 6.05541
Type of gen. func.: ogf

$$- (8 x^{12} - 16 x^{11} + 8 x^{10} - 49 x^{8} - 72 x^{6} - 24 x^{5} - 70 x^{4} - 32 x^{3} - 32 x^{2} - 8 x - 1) / ((x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2})$$

Sequence: A322073
Score: 2.83138
Type of gen. func.: ogf

$$-(f(x)\,x - f(x) + 1)^3$$

Sequence: A322108
Score: 11.3763
Type of gen. func.: ogf

$$\frac{x^4 + 2\,x^2 - x + 1}{(x^2 + 1)\,(x - 1)^4}$$

Sequence: A322108
Score: 3.29163
Type of gen. func.: ogf

$$\{-a(n + 6) + 4\,a(n + 5) - 7\,a(n + 4) + 8\,a(n + 3) - 7\,a(n + 2) + 4\,a(n + 1) - a(n),\ a(0) = 1,\ a(1) = 3,\ a(2) = 7,\ a(3) = 15,\ a(4) = 29,\ a(5) = 50\}$$

Sequence: A322108
Score: 9.97616
Type of gen. func.: ogf

$$\frac{x^4 + 2\,x^2 - x + 1}{(x^2 + 1)\,(x - 1)^4}$$

Sequence: A322116
Score: 10.6106
Type of gen. func.: ogf

$$-(8\,f(x) + 75)\,(3\,f(x)\,x^3 - f(x)\,x^2 - 3\,f(x)\,x - 6\,x^2 + f(x) - 2)$$

Sequence: A322116
Score: 11.3179
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) - a(n + 1) + 3 a(n), a(0) = 2, a(1) = 6, a(2) = 26}

Sequence: A322116
Score: 18.2828
Type of gen. func.: ogf

$$\frac{2\,(3\,x^2+1)}{(x-1)\,(-1+3\,x)\,(x+1)}$$

Sequence: A322116
Score: 20.8488
Type of gen. func.: ogf

$$\frac{2\,(3\,x^2+1)}{(x-1)\,(-1+3\,x)\,(x+1)}$$

Sequence: A322131
Score: 3.49025
Type of gen. func.: ogf

$$2\,x\,(91\,x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+2\,x^9+2\,x^8+2\,x^7+2\,x^6+2\,x^5+x^4+x^3+x^2+x+1)\Big/\left((x^4+x^3+x^2+x+1)\,(x+1)^2\,(x-1)^2\,(x^4-x^3+x^2-x+1)^2\right)$$

Sequence: A322131
Score: 3.61326
Type of gen. func.: ogf

$$2\,x\,(91\,x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+2\,x^9+2\,x^8+2\,x^7+2\,x^6+2\,x^5+x^4+x^3+x^2+x+1)\Big/\left((x^4+x^3+x^2+x+1)\,(x+1)^2\,(x-1)^2\,(x^4-x^3+x^2-x+1)^2\right)$$

Sequence: A322153
Score: 2.00356
Type of gen. func.: ogf

$$222784153 x^{19} + 38182584 x^{18} + 13275 x^{13} + 2967 x^{12} + 12 x^{7} + 5 x^{6} + x + 1$$

Sequence: A322171
Score: 13.9838
Type of gen. func.: ogf

$$\frac{x^{3} + x^{2} + 5 x + 3}{(x^{2} + 1) (x - 1)^{2}}$$

Sequence: A322171
Score: 15.9464
Type of gen. func.: ogf

$$\frac{x^{3} + x^{2} + 5 x + 3}{(x^{2} + 1) (x - 1)^{2}}$$

Sequence: A322171
Score: 6.49246
Type of gen. func.: ogf

$$(10 f(x) + 163)$$

$$(f(x) x^{4} - 2 f(x) x^{3} + 2 f(x) x^{2} - x^{3} - 2 f(x) x - x^{2} + f(x) - 5 x - 3)$$

Sequence: A322171
Score: 6.63463
Type of gen. func.: ogf

$$\{-a(n + 4) + 2 a(n + 3) - 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 3, a(1) = 11,$$

$$a(2) = 17, a(3) = 19\}$$

Sequence: A322179
Score: 2.25914
Type of gen. func.: ogf

$$(f(x) - 1)^2 (-2 x^3 + f(x) - 1)$$

Sequence: A322240
Score: 12.0958
Type of gen. func.: ogf

$$\frac{2 \operatorname{EllipticK}\left(\frac{8 x^{1/2}}{15 x + 1}\right)}{(15 x + 1) \pi}$$

Sequence: A322242
Score: 19.5624
Type of gen. func.: ogf

$$-7 f(x)^2 x^2 - 6 f(x)^2 x + f(x)^2 - 1$$

Sequence: A322242
Score: 23.7006
Type of gen. func.: lgdogf

$$- \frac{7 x + 3}{(x + 1) (7 x - 1)}$$

Sequence: A322242
Score: 7.04246
Type of gen. func.: ogf

{a(n + 3) n - 6 a(n + 2) n - 7 a(n + 1) n + 3 a(n + 3) - 15 a(n + 2)

- 14 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 17}

Sequence: A322243
Score: 15.138
Type of gen. func.: ogf

$$\frac{2\,\mathrm{EllipticK}\left(\frac{8\,x^{1/2}}{7\,x+1}\right)}{(7\,x+1)\,\pi}$$

Sequence: A322244
Score: 16.547
Type of gen. func.: ogf

$$55\,f(x)^2\,x^2+6\,f(x)^2\,x-f(x)^2+1$$

Sequence: A322244
Score: 19.6113
Type of gen. func.: lgdogf

$$-\frac{55\,x+3}{(5\,x+1)\,(11\,x-1)}$$

Sequence: A322244
Score: 5.98311
Type of gen. func.: ogf

$$\{a(n+3)\,n-6\,a(n+2)\,n-55\,a(n+1)\,n+3\,a(n+3)-15\,a(n+2)$$
$$-110\,a(n+1),\ a(0)=1,\ a(1)=3,\ a(2)=41\}$$

Sequence: A322245
Score: 12.5635
Type of gen. func.: ogf

$$\frac{2\,\mathrm{EllipticK}\left(\frac{16\,x^{1/2}}{55\,x+1}\right)}{(55\,x+1)\,\pi}$$

Sequence: A322246
Score: 16.3915
Type of gen. func.: ogf

2 2   2   2

$$-11 f(x) x - 10 f(x) x + f(x) - 1$$

Sequence: A322246
Score: 19.7305
Type of gen. func.: lgdogf

$$-\frac{11 x + 5}{(x + 1) (11 x - 1)}$$

Sequence: A322246
Score: 6.01948
Type of gen. func.: ogf

$$\{a(n + 3) n - 10 a(n + 2) n - 11 a(n + 1) n + 3 a(n + 3) - 25 a(n + 2) - 22 a(n + 1), a(0) = 1, a(1) = 5, a(2) = 43\}$$

Sequence: A322247
Score: 14.3296
Type of gen. func.: ogf

$$\frac{2 \mathrm{EllipticK}\left(\frac{12 x^{1/2}}{11 x + 1}\right)}{(11 x + 1) \mathrm{Pi}}$$

Sequence: A322248
Score: 19.1977
Type of gen. func.: ogf

$$39 f(x)^2 x^2 + 10 f(x)^2 x - f(x)^2 + 1$$

Sequence: A322248
Score: 23.1084
Type of gen. func.: lgdogf

$$-\frac{39 x + 5}{(3 x + 1) (13 x - 1)}$$

Sequence: A322248
Score: 7.05001
Type of gen. func.: ogf

{a(n + 3) n - 10 a(n + 2) n - 39 a(n + 1) n + 3 a(n + 3) - 25 a(n + 2)

- 78 a(n + 1), a(0) = 1, a(1) = 5, a(2) = 57}

Sequence: A322249
Score: 13.3342
Type of gen. func.: ogf

$$\frac{2\,\mathrm{EllipticK}\left(\frac{16\,x^{1/2}}{39\,x + 1}\right)}{(39\,x + 1)\,\mathrm{Pi}}$$

Sequence: A322262
Score: 11.2566
Type of gen. func.: egf]

$$-\frac{120}{x^5 - 5\,x^4 + 20\,x^3 - 60\,x^2 + 120\,x - 120}$$

Sequence: A322262
Score: 12.8364
Type of gen. func.: egf]

$$-\frac{120}{x^5 - 5\,x^4 + 20\,x^3 - 60\,x^2 + 120\,x - 120}$$

Sequence: A322262
Score: 3.99823
Type of gen. func.: egf]

{120 a(n + 5) - 120 a(n + 4) + 60 a(n + 3) - 20 a(n + 2) + 5 a(n + 1) - a(n),

a(0) = 1, a(1) = 1, a(2) = 1/2, a(3) = 1/6, a(4) = 1/24}

Sequence: A322281
Score: 5.48411
Type of gen. func.: ogf

$$(f(x) - x - 1)^2$$

Sequence: A322282
Score: 7.73812
Type of gen. func.: egf]

$$-\frac{5040}{x^7 - 7 x^6 + 42 x^5 - 210 x^4 + 840 x^3 - 2520 x^2 + 5040 x - 5040}$$

Sequence: A322282
Score: 8.49306
Type of gen. func.: egf]

$$-\frac{5040}{x^7 - 7 x^6 + 42 x^5 - 210 x^4 + 840 x^3 - 2520 x^2 + 5040 x - 5040}$$

Sequence: A322283
Score: 6.58879
Type of gen. func.: egf]

$$- 362880/(x^9 - 9 x^8 + 72 x^7 - 504 x^6 + 3024 x^5 - 15120 x^4 + 60480 x^3$$
$$- 181440 x^2 + 362880 x - 362880)$$

Sequence: A322283
Score: 7.04714
Type of gen. func.: egf]

$$- 362880/(x^9 - 9 x^8 + 72 x^7 - 504 x^6 + 3024 x^5 - 15120 x^4 + 60480 x^3$$
$$- 181440 x^2 + 362880 x - 362880)$$

Sequence: A322284
Score: 12.2101
Type of gen. func.: ogf

$$-\frac{6x^3 - 6x^2 + 1}{(2x^2 - 1)(2x - 1)^2}$$

Sequence: A322284
Score: 13.9237
Type of gen. func.: ogf

$$-\frac{6x^3 - 6x^2 + 1}{(2x^2 - 1)(2x - 1)^2}$$

Sequence: A322284
Score: 5.62875
Type of gen. func.: ogf

$$-(524 f(x) + 645)$$

$$(8 f(x) x^4 - 8 f(x) x^3 - 2 f(x) x^2 + 6 x^3 + 4 f(x) x - 6 x^2 - f(x) + 1)$$

Sequence: A322284
Score: 5.87891
Type of gen. func.: ogf

{-a(n + 4) + 4 a(n + 3) - 2 a(n + 2) - 8 a(n + 1) + 8 a(n), a(0) = 1, a(1) = 4,

a(2) = 8, a(3) = 22}

Sequence: A322288
Score: 16.3833
Type of gen. func.: ogf

$$\frac{x(377x^7 + 289x^6 + 38x^2 + 6)}{(x - 1)^2}$$

Sequence: A322288
Score: 18.8105
Type of gen. func.: ogf

$$\frac{x\,(377\,x^{7}+289\,x^{6}+38\,x^{2}+6)}{(x-1)^{2}}$$

Sequence: A322309
Score: 8.22546
Type of gen. func.: egf]

$$\frac{2\,(320\,x^{5}-320\,x^{4}+80\,x^{3}+1)}{(2\,x-1)^{2}}$$

Sequence: A322309
Score: 9.44404
Type of gen. func.: egf]

$$\frac{2\,(320\,x^{5}-320\,x^{4}+80\,x^{3}+1)}{(2\,x-1)^{2}}$$

Sequence: A322325
Score: 10.5349
Type of gen. func.: ogf

$$-\frac{x^{3}-2\,x^{2}-x+1}{x^{5}-3\,x^{3}+2\,x^{2}+2\,x-1}$$

Sequence: A322325
Score: 11.7564
Type of gen. func.: ogf

$$-\frac{x^{3}-2\,x^{2}-x+1}{x^{5}-3\,x^{3}+2\,x^{2}+2\,x-1}$$

Sequence: A322325
Score: 5.55609
Type of gen. func.: ogf

$$\{a(n + 5) - 2 a(n + 4) - 2 a(n + 3) + 3 a(n + 2) - a(n), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 4, a(4) = 9\}$$

Sequence: A322340
Score: 6.04838
Type of gen. func.: ogf

$$\frac{x^{25} - x^{21} - x^{9} + x^{5} - 1}{x^{25} + x^{23} + x^{22} - x^{21} - x^{19} + 2 x^{14} - x^{9} - x^{6} + 2 x^{5} + x - 1}$$

Sequence: A322340
Score: 6.41219
Type of gen. func.: ogf

$$\frac{x^{25} - x^{21} - x^{9} + x^{5} - 1}{x^{25} + x^{23} + x^{22} - x^{21} - x^{19} + 2 x^{14} - x^{9} - x^{6} + 2 x^{5} + x - 1}$$

Sequence: A322405
Score: 18.9876
Type of gen. func.: ogf

$$- \frac{1}{x^{9} + x^{8} + x - 1}$$

Sequence: A322405
Score: 23.5907
Type of gen. func.: ogf

$$- \frac{1}{x^{9} + x^{8} + x - 1}$$

Sequence: A322417
Score: 10.7001
Type of gen. func.: ogf

$$-\frac{5 x^2 - 3 x - 5}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A322417
Score: 12.1034
Type of gen. func.: ogf

$$-\frac{5 x^2 - 3 x - 5}{(x - 1) (2 x - 1) (x + 1)}$$

Sequence: A322417
Score: 6.25684
Type of gen. func.: ogf

$$-(45 f(x) + 451) (2 f(x) x^3 - f(x) x^2 - 2 f(x) x + 5 x^2 + f(x) - 3 x - 5)$$

Sequence: A322417
Score: 6.96516
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - a(n + 1) + 2 a(n), a(0) = 5, a(1) = 13, a(2) = 26\}$$

Sequence: A322455
Score: 11.3165
Type of gen. func.: ogf

$$\frac{9 x^2 + 40 x - 3}{x^3 + 9 x^2 + 20 x - 1}$$

Sequence: A322455
Score: 13.0917
Type of gen. func.: ogf

$$\frac{9 x^{2} + 40 x - 3}{x^{3} + 9 x^{2} + 20 x - 1}$$

Sequence: A322455
Score: 5.56397
Type of gen. func.: ogf

$$(971 f(x) + 694815) (f(x) x^{3} + 9 f(x) x^{2} + 20 f(x) x - 9 x^{2} - f(x) - 40 x + 3)$$

Sequence: A322455
Score: 6.18218
Type of gen. func.: ogf

$$\{a(n + 3) - 20 a(n + 2) - 9 a(n + 1) - a(n), a(0) = 3, a(1) = 20, a(2) = 418\}$$

Sequence: A322458
Score: 13.0265
Type of gen. func.: ogf

$$- \frac{49 x^{2} - 3}{49 x^{3} - 49 x^{2} + 1}$$

Sequence: A322458
Score: 15.1976
Type of gen. func.: ogf

$$- \frac{49 x^{2} - 3}{49 x^{3} - 49 x^{2} + 1}$$

Sequence: A322458
Score: 7.22263
Type of gen. func.: ogf

$$(97851 f(x) - 139889) (49 f(x) x^3 - 49 f(x) x^2 + 49 x^2 + f(x) - 3)$$

Sequence: A322458
Score: 8.28961
Type of gen. func.: ogf

$$\{-a(n + 3) + 49 a(n + 1) - 49 a(n), a(0) = 3, a(1) = 0, a(2) = 98\}$$

Sequence: A322459
Score: 12.5437
Type of gen. func.: ogf

$$\frac{14 x^2 + 14 x + 3}{7 x^3 + 14 x^2 + 7 x + 1}$$

Sequence: A322459
Score: 14.4735
Type of gen. func.: ogf

$$\frac{14 x^2 + 14 x + 3}{7 x^3 + 14 x^2 + 7 x + 1}$$

Sequence: A322459
Score: 6.27184
Type of gen. func.: ogf

$$-(12 f(x) + 13) (7 f(x) x^3 + 14 f(x) x^2 + 7 f(x) x - 14 x^2 + f(x) - 14 x - 3)$$

Sequence: A322459
Score: 7.10019
Type of gen. func.: ogf

$$\{-a(n + 3) - 7 a(n + 2) - 14 a(n + 1) - 7 a(n), a(0) = 3, a(1) = -7, a(2) = 21\}$$

Sequence: A322460
Score: 10.0023
Type of gen. func.: ogf

$$\frac{88 x^2 - 190 x - 3}{x^3 + 88 x^2 - 95 x - 1}$$

Sequence: A322460
Score: 11.4841
Type of gen. func.: ogf

$$\frac{88 x^2 - 190 x - 3}{x^3 + 88 x^2 - 95 x - 1}$$

Sequence: A322460
Score: 4.36721
Type of gen. func.: ogf

$$-(213908593049 f(x) - 223910675233)$$

$$(f(x) x^3 + 88 f(x) x^2 - 95 f(x) x - 88 x^2 - f(x) + 190 x + 3)$$

Sequence: A322460
Score: 5.63767
Type of gen. func.: ogf

$\{-a(n + 3) - 95 a(n + 2) + 88 a(n + 1) + a(n), a(0) = 3, a(1) = -95,$

$a(2) = 9201\}$

Sequence: A322461
Score: 10.1172
Type of gen. func.: ogf

$$-\frac{(x + 3) (5 x + 1)}{x^3 - 5 x^2 - 8 x - 1}$$

Sequence: A322461
Score: 11.5371
Type of gen. func.: ogf

$$-\frac{(x + 3) (5 x + 1)}{x^3 - 5 x^2 - 8 x - 1}$$

Sequence: A322461
Score: 5.57302
Type of gen. func.: ogf

$$-(17 f(x) - 27) (f(x) x^3 - 5 f(x) x^2 - 8 f(x) x + 5 x^2 - f(x) + 16 x + 3)$$

Sequence: A322461
Score: 6.26302
Type of gen. func.: ogf

$$\{-a(n + 3) - 8 a(n + 2) - 5 a(n + 1) + a(n), a(0) = 3, a(1) = -8, a(2) = 54\}$$

Sequence: A322462
Score: 11.7311
Type of gen. func.: ogf

$$-\frac{x (x^3 - x^2 + 11 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A322462
Score: 13.2447
Type of gen. func.: ogf

$$-\frac{x (x^3 - x^2 + 11 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A322462
Score: 4.94683

Type of gen. func.: ogf

{-a(n + 5) + a(n + 4) + 2 a(n + 3) - 2 a(n + 2) - a(n + 1) + a(n), a(0) = 0,

a(1) = 1, a(2) = 12, a(3) = 13, a(4) = 36}

Sequence: A322465
Score: 12.7532
Type of gen. func.: ogf

$$\frac{x (x^3 - 3 x^2 - x - 9)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A322465
Score: 14.5431
Type of gen. func.: ogf

$$\frac{x (x^3 - 3 x^2 - x - 9)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A322465
Score: 4.99372
Type of gen. func.: ogf

{-a(n + 5) + a(n + 4) + 2 a(n + 3) - 2 a(n + 2) - a(n + 1) + a(n), a(0) = 0,

a(1) = 9, a(2) = 10, a(3) = 31, a(4) = 32}

Sequence: A322489
Score: 15.254
Type of gen. func.: ogf

$$\frac{2 (x^2 + 8 x + 1)}{(x + 1) (x - 1)^2}$$

Sequence: A322489
Score: 17.7444

Type of gen. func.: ogf

$$\frac{2 (x^2 + 8 x + 1)}{(x + 1) (x - 1)^2}$$

Sequence: A322489
Score: 7.62698
Type of gen. func.: ogf

$$(7 f(x) + 156) (f(x) x^3 - f(x) x^2 - f(x) x - 2 x^2 + f(x) - 16 x - 2)$$

Sequence: A322489
Score: 8.2026
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 18, a(2) = 22\}$$

Sequence: A322490
Score: 16.4717
Type of gen. func.: ogf

$$\frac{3 x^2 + 14 x + 3}{(x + 1) (x - 1)^2}$$

Sequence: A322490
Score: 19.3363
Type of gen. func.: ogf

$$\frac{3 x^2 + 14 x + 3}{(x + 1) (x - 1)^2}$$

Sequence: A322490
Score: 7.73453
Type of gen. func.: ogf

$$(11 f(x) + 472) (f(x) x^3 - f(x) x^2 - f(x) x - 3 x^2 + f(x) - 14 x - 3)$$

Sequence: A322490
Score: 8.39124
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 3, a(1) = 17, a(2) = 23\}$$

Sequence: A322496
Score: 14.3191
Type of gen. func.: ogf

$$-\frac{1}{(x^2 + x + 1) (x^2 + 2 x - 1)}$$

Sequence: A322496
Score: 16.8647
Type of gen. func.: ogf

$$-\frac{1}{(x^2 + x + 1) (x^2 + 2 x - 1)}$$

Sequence: A322496
Score: 5.66352
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 3) + 2 a(n + 2) + 3 a(n + 1) + a(n), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 8\}$$

Sequence: A322496
Score: 6.32426
Type of gen. func.: ogf

$$(539 f(x) - 74) (f(x) x^4 + 3 f(x) x^3 + 2 f(x) x^2 + f(x) x - f(x) + 1)$$

Sequence: A322497
Score: 6.65001
Type of gen. func.: ogf

$$-\frac{(x+1)(x^3+x-1)}{(2x^2+1)(x^6+x^5-3x^4-7x^3-7x^2-x+1)}$$

Sequence: A322497
Score: 7.15667
Type of gen. func.: ogf

$$-\frac{(x+1)(x^3+x-1)}{(2x^2+1)(x^6+x^5-3x^4-7x^3-7x^2-x+1)}$$

Sequence: A322504
Score: 14.6396
Type of gen. func.: ogf

$$\frac{x^2-2x-1}{x^3-3x^2-4x-1}$$

Sequence: A322504
Score: 17.0298
Type of gen. func.: ogf

$$\frac{x^2-2x-1}{x^3-3x^2-4x-1}$$

Sequence: A322504
Score: 7.25616
Type of gen. func.: ogf

$$-(f(x)-1)(f(x)x^3-3f(x)x^2-4f(x)x-x^2-f(x)+2x+1)$$

Sequence: A322504
Score: 8.02364
Type of gen. func.: ogf

$$\{-a(n + 3) - 4 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 1, a(1) = -2, a(2) = 4\}$$

Sequence: A322535
Score: 7.46688
Type of gen. func.: ogf

$$\frac{(x + 1) (x^6 + 1098 x^5 + 28239 x^4 + 95948 x^3 + 28239 x^2 + 1098 x + 1)}{(x - 1)^8}$$

Sequence: A322535
Score: 8.09567
Type of gen. func.: ogf

$$\frac{(x + 1) (x^6 + 1098 x^5 + 28239 x^4 + 95948 x^3 + 28239 x^2 + 1098 x + 1)}{(x - 1)^8}$$

Sequence: A322536
Score: 5.9387
Type of gen. func.: ogf

$$- (x^8 + 3130 x^7 + 152110 x^6 + 1126258 x^5 + 2112016 x^4 + 1126258 x^3 + 152110 x^2 + 3130 x + 1) \Big/ (x - 1)^9$$

Sequence: A322536
Score: 6.33794
Type of gen. func.: ogf

$$- (x^8 + 3130 x^7 + 152110 x^6 + 1126258 x^5 + 2112016 x^4 + 1126258 x^3 + 152110 x^2 + 3130 x + 1) \Big/ (x - 1)^9$$

Sequence: A322537
Score: 5.64459
Type of gen. func.: ogf

$$(x + 1) (x^8 + 8942 x^7 + 758518 x^6 + 8612954 x^5 + 21223810 x^4 + 8612954 x^3 + 758518 x^2 + 8942 x + 1) / (x - 1)^{10}$$

Sequence: A322537
Score: 5.99464
Type of gen. func.: ogf

$$(x + 1) (x^8 + 8942 x^7 + 758518 x^6 + 8612954 x^5 + 21223810 x^4 + 8612954 x^3 + 758518 x^2 + 8942 x + 1) / (x - 1)^{10}$$

Sequence: A322573
Score: 10.6235
Type of gen. func.: ogf

$$- \frac{x (x^2 + x - 1)}{(x - 1) (x + 1) (x^2 + 3 x - 1)}$$

Sequence: A322573
Score: 11.7877
Type of gen. func.: ogf

$$- \frac{x (x^2 + x - 1)}{(x - 1) (x + 1) (x^2 + 3 x - 1)}$$

Sequence: A322573
Score: 6.23553
Type of gen. func.: ogf

$-(35 f(x) - 1)$

$$(f(x)\, x^4 + 3\, f(x)\, x^3 - 2\, f(x)\, x^2 + x^3 - 3\, f(x)\, x + x^2 + f(x) - x)$$

Sequence: A322573
Score: 6.46995
Type of gen. func.: ogf

$$\{a(n + 4) - 3\, a(n + 3) - 2\, a(n + 2) + 3\, a(n + 1) + a(n),\ a(0) = 0,\ a(1) = 1,$$
$$a(2) = 2,\ a(3) = 7\}$$

Sequence: A322593
Score: 12.3151
Type of gen. func.: ogf

$$- \frac{7\, x^3 - 6\, x^2 + 5\, x - 2}{(2\, x - 1)\, (x - 1)^3}$$

Sequence: A322593
Score: 14.0436
Type of gen. func.: ogf

$$- \frac{7\, x^3 - 6\, x^2 + 5\, x - 2}{(2\, x - 1)\, (x - 1)^3}$$

Sequence: A322593
Score: 5.75888
Type of gen. func.: ogf

$$(7\, f(x) - 671)\, ($$
$$2\, f(x)\, x^4 - 7\, f(x)\, x^3 + 9\, f(x)\, x^2 + 7\, x^3 - 5\, f(x)\, x - 6\, x^2 + f(x) + 5\, x - 2$$
$$)$$

Sequence: A322593
Score: 5.88591
Type of gen. func.: ogf

$\{a(n + 4) - 5 a(n + 3) + 9 a(n + 2) - 7 a(n + 1) + 2 a(n), a(0) = 2, a(1) = 5,$

$a(2) = 13, a(3) = 27\}$

Sequence: A322594
Score: 15.2968
Type of gen. func.: ogf

$$-\frac{5 x^3 - 11 x^2 - x - 1}{(x - 1)^4}$$

Sequence: A322594
Score: 17.9571
Type of gen. func.: ogf

$$-\frac{5 x^3 - 11 x^2 - x - 1}{(x - 1)^4}$$

Sequence: A322594
Score: 5.61922
Type of gen. func.: ogf

$-(514 f(x) + 8549)$

$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 5 x^3 - 4 f(x) x - 11 x^2 + f(x) - x - 1)$

Sequence: A322594
Score: 6.07371
Type of gen. func.: ogf

$\{-a(n + 4) + 4 a(n + 3) - 6 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 1, a(1) = 5,$

$a(2) = 25, a(3) = 69\}$

Sequence: A322595
Score: 16.6041
Type of gen. func.: ogf

$$\frac{5 x^{3} - 5 x^{2} - x + 3}{(x - 1)^{4}}$$

Sequence: A322595
Score: 19.8439
Type of gen. func.: ogf

$$\frac{5 x^{3} - 5 x^{2} - x + 3}{(x - 1)^{4}}$$

Sequence: A322595
Score: 5.81143
Type of gen. func.: ogf

$$(17 f(x) + 185)$$

$$(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 5 x^{3} - 4 f(x) x + 5 x^{2} + f(x) + x - 3)$$

Sequence: A322595
Score: 5.93869
Type of gen. func.: ogf

$$\{-a(n + 4) + 4 a(n + 3) - 6 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 3, a(1) = 11,$$

$$a(2) = 21, a(3) = 35\}$$

Sequence: A322597
Score: 16.6288
Type of gen. func.: ogf

$$\frac{9 x^{3} - 5 x^{2} + 3 x + 1}{(x - 1)^{4}}$$

Sequence: A322597
Score: 19.8735
Type of gen. func.: ogf

$$\frac{9 x^3 - 5 x^2 + 3 x + 1}{(x - 1)^4}$$

Sequence: A322597
Score: 5.90443
Type of gen. func.: ogf

$$(8 f(x) + 13)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 9 x^3 - 4 f(x) x + 5 x^2 + f(x) - 3 x - 1)$$

Sequence: A322597
Score: 5.99126
Type of gen. func.: ogf

$\{-a(n + 4) + 4 a(n + 3) - 6 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 1, a(1) = 7,$

$a(2) = 17, a(3) = 39\}$

Sequence: A322598
Score: 10.0075
Type of gen. func.: ogf

$$- \frac{2 x^3 + 4 x^2 + 2 x + 1}{(x + 1) (x^2 + x + 1) (x - 1)^3}$$

Sequence: A322598
Score: 4.30492
Type of gen. func.: ogf

$\{a(n + 6) - a(n + 5) - a(n + 4) + a(n + 2) + a(n + 1) - a(n), a(0) = 1,$

$a(1) = 3, a(2) = 8, a(3) = 13, a(4) = 20, a(5) = 29\}$

Sequence: A322598
Score: 9.06565
Type of gen. func.: ogf

$$-\frac{2 x^3 + 4 x^2 + 2 x + 1}{(x + 1) (x^2 + x + 1) (x - 1)^3}$$

Sequence: A322599
Score: 5.45184
Type of gen. func.: ogf

$$\frac{3 x^8 + 7 x^7 + 16 x^6 + 21 x^5 + 21 x^4 + 17 x^3 + 8 x^2 + 3 x + 1}{(x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A322599
Score: 5.77977
Type of gen. func.: ogf

$$\frac{3 x^8 + 7 x^7 + 16 x^6 + 21 x^5 + 21 x^4 + 17 x^3 + 8 x^2 + 3 x + 1}{(x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A322605
Score: 2.08277
Type of gen. func.: ogf

$$\frac{3 x^{13} - x^{12} + x^{11} + x^9 - x + 2}{(x - 1)^2}$$

Sequence: A322628
Score: 11.4557
Type of gen. func.: ogf

$$\frac{(x - 1) x^2}{(10 x - 1) (x^2 - 10 x + 1)}$$

Sequence: A322628

Score: 13.2526
Type of gen. func.: ogf

$$\frac{(x - 1) x^{2}}{(10 x - 1) (x^{2} - 10 x + 1)}$$

Sequence: A322628
Score: 5.32192
Type of gen. func.: ogf

{-a(n + 4) + 20 a(n + 3) - 101 a(n + 2) + 10 a(n + 1), a(0) = 0, a(1) = 0,

a(2) = 1, a(3) = 19}

Sequence: A322628
Score: 6.08904
Type of gen. func.: ogf

$$-f(x) (10 f(x) x^{3} - 101 f(x) x^{2} - x^{3} + 20 f(x) x + x^{2} - f(x))$$

Sequence: A322675
Score: 18.1105
Type of gen. func.: ogf

$$\frac{x (x^{2} + 46 x + 49)}{(x - 1)^{4}}$$

Sequence: A322675
Score: 21.8255
Type of gen. func.: ogf

$$\frac{x (x^{2} + 46 x + 49)}{(x - 1)^{4}}$$

Sequence: A322675
Score: 5.79044

Type of gen. func.: ogf

$(307488 f(x) + 11958353)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 46 x^2 + f(x) - 49 x)$$

Sequence: A322675
Score: 6.16808
Type of gen. func.: ogf

$$\{a(n + 4) - 4 a(n + 3) + 6 a(n + 2) - 4 a(n + 1) + a(n), a(0) = 0, a(1) = 49, a(2) = 242, a(3) = 675\}$$

Sequence: A322677
Score: 14.2976
Type of gen. func.: ogf

$$-\frac{96 x (x + 3) (3 x + 1)}{(x - 1)^5}$$

Sequence: A322677
Score: 16.7842
Type of gen. func.: ogf

$$-\frac{96 x (x + 3) (3 x + 1)}{(x - 1)^5}$$

Sequence: A322677
Score: 4.36199
Type of gen. func.: ogf

$$\{-a(n + 5) + 5 a(n + 4) - 10 a(n + 3) + 10 a(n + 2) - 5 a(n + 1) + a(n), a(0) = 0, a(1) = 288, a(2) = 2400, a(3) = 9408, a(4) = 25920\}$$

Sequence: A322707
Score: 10.4893
Type of gen. func.: ogf

$$-\frac{5 x (x + 1)}{(x - 1) (x^2 - 22 x + 1)}$$

Sequence: A322707
Score: 12.0432
Type of gen. func.: ogf

$$-\frac{5 x (x + 1)}{(x - 1) (x^2 - 22 x + 1)}$$

Sequence: A322707
Score: 5.91212
Type of gen. func.: ogf

$$(24 f(x) + 5) (f(x) x^3 - 23 f(x) x^2 + 23 f(x) x + 5 x^2 - f(x) + 5 x)$$

Sequence: A322707
Score: 6.07788
Type of gen. func.: ogf

$$\{a(n + 3) - 23 a(n + 2) + 23 a(n + 1) - a(n), a(0) = 0, a(1) = 5, a(2) = 120\}$$

Sequence: A322708
Score: 11.0021
Type of gen. func.: ogf

$$-\frac{6 x (x + 1)}{(x - 1) (x^2 - 26 x + 1)}$$

Sequence: A322708
Score: 12.632
Type of gen. func.: ogf

$$-\frac{6 x (x + 1)}{(x - 1) (x^2 - 26 x + 1)}$$

Sequence: A322708
Score: 6.20116
Type of gen. func.: ogf

$$(14 f(x) + 3) (f(x) x^3 - 27 f(x) x^2 + 27 f(x) x + 6 x^2 - f(x) + 6 x)$$

Sequence: A322708
Score: 6.37503
Type of gen. func.: ogf

$$\{a(n + 3) - 27 a(n + 2) + 27 a(n + 1) - a(n), a(0) = 0, a(1) = 6, a(2) = 168\}$$

Sequence: A322709
Score: 11.4682
Type of gen. func.: ogf

$$- \frac{7 x (x + 1)}{(x - 1) (x^2 - 30 x + 1)}$$

Sequence: A322709
Score: 13.1672
Type of gen. func.: ogf

$$- \frac{7 x (x + 1)}{(x - 1) (x^2 - 30 x + 1)}$$

Sequence: A322709
Score: 6.46392
Type of gen. func.: ogf

$$(32 f(x) + 7) (f(x) x^3 - 31 f(x) x^2 + 31 f(x) x + 7 x^2 - f(x) + 7 x)$$

Sequence: A322709
Score: 6.64515
Type of gen. func.: ogf

{a(n + 3) - 31 a(n + 2) + 31 a(n + 1) - a(n), a(0) = 0, a(1) = 7, a(2) = 224}

Sequence: A322738
Score: 8.76146
Type of gen. func.: revegf]

$$\frac{1}{2}\,\frac{\mathrm{Ei}(1, 1/2) - \mathrm{Ei}\left(1, \frac{(x+1)^2}{2}\right)}{\exp(-1/2)}$$

Sequence: A322745
Score: 10.7225
Type of gen. func.: ogf

$$\frac{x (x^4 + 1676 x^3 + 13686 x^2 + 13676 x + 1681)}{(x - 1)^6}$$

Sequence: A322745
Score: 12.0027
Type of gen. func.: ogf

$$\frac{x (x^4 + 1676 x^3 + 13686 x^2 + 13676 x + 1681)}{(x - 1)^6}$$

Sequence: A322753
Score: 10.7846
Type of gen. func.: ogf

$$- \frac{x (4 x^3 - 3 x^2 + 2 x + 1)}{x^4 - x^3 + x^2 + x - 1}$$

Sequence: A322753
Score: 5.1456
Type of gen. func.: ogf

$$\{a(n + 5) - a(n + 4) - a(n + 3) + a(n + 2) - a(n + 1), a(0) = 0, a(1) = 1,$$
$$a(2) = 3, a(3) = 1, a(4) = 7\}$$

Sequence: A322753
Score: 5.39231
Type of gen. func.: ogf

$$(1655 f(x) + 632)$$
$$(f(x) x^4 - f(x) x^3 + 4 x^4 + f(x) x^2 - 3 x^3 + f(x) x + 2 x^2 - f(x) + x)$$

Sequence: A322753
Score: 9.71947
Type of gen. func.: ogf

$$- \frac{x (4 x^3 - 3 x^2 + 2 x + 1)}{x^4 - x^3 + x^2 + x - 1}$$

Sequence: A322780
Score: 13.6432
Type of gen. func.: ogf

$$\frac{x^2 + 4 x + 1}{x^4 - 8 x^2 + 1}$$

Sequence: A322780
Score: 16.0686
Type of gen. func.: ogf

$$\frac{x^2 + 4 x + 1}{x^4 - 8 x^2 + 1}$$

Sequence: A322780
Score: 7.30392
Type of gen. func.: ogf

$$\{-a(n + 4) + 8 a(n + 2) - a(n), a(0) = 1, a(1) = 4, a(2) = 9, a(3) = 32\}$$

Sequence: A322780
Score: 7.37845
Type of gen. func.: ogf

$$(1118 f(x) - 159) (f(x) x^{4} - 8 f(x) x^{2} - x^{2} + f(x) - 4 x - 1)$$

Sequence: A322783
Score: 4.80261
Type of gen. func.: ogf

$$(16 f(x) + 1)$$

$$(2 f(x) x^{4} - 3 f(x) x^{3} - f(x) x^{2} + 6 x^{3} + 3 f(x) x - 3 x^{2} - f(x) - 3 x + 2)$$

Sequence: A322783
Score: 4.94597
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 3) + a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 2, a(1) = 3,$$

$$a(2) = 4, a(3) = 9\}$$

Sequence: A322783
Score: 8.60727
Type of gen. func.: ogf

$$- \frac{6 x^{3} - 3 x^{2} - 3 x + 2}{(x + 1) (2 x - 1) (x - 1)^{2}}$$

Sequence: A322783
Score: 9.60521
Type of gen. func.: ogf

$$- \frac{6 x^{3} - 3 x^{2} - 3 x + 2}{{}^{2}}$$

$$(x + 1) (2 x - 1) (x - 1)$$

Sequence: A322796
Score: 4.90807
Type of gen. func.: ogf

$$-\frac{x (x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}{x^8 - x^4 + 1}$$

Sequence: A322796
Score: 5.31286
Type of gen. func.: ogf

$$-\frac{x (x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}{x^8 - x^4 + 1}$$

Sequence: A322799
Score: 4.38168
Type of gen. func.: ogf

$$(x^{27} + x^{22} - x^{21} + x^{20} - x^{11} - x^6 + x^5 - x^4 - 1) / (x^{24} - 2 x^{23} + 3 x^{22} - 2 x^{21} + x^{20} + 2 x^{18} + x^{13} + 2 x^7 - 2 x^6 + 2 x^5 - x^4 + x - 1)$$

Sequence: A322799
Score: 4.57116
Type of gen. func.: ogf

$$(x^{27} + x^{22} - x^{21} + x^{20} - x^{11} - x^6 + x^5 - x^4 - 1) / (x^{24} - 2 x^{23} + 3 x^{22} - 2 x^{21} + x^{20} + 2 x^{18} + x^{13} + 2 x^7 - 2 x^6 + 2 x^5 - x^4 + x - 1)$$

Sequence: A322800
Score: 3.46853
Type of gen. func.: ogf

$$- (x - 1) (x^{18} + x^{17} + x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) / (x^{27} - x^{21} + x^{20} - x^{19} - x^8 - x + 1)$$

Sequence: A322800
Score: 3.58918
Type of gen. func.: ogf

$$- (x - 1) (x^{18} + x^{17} + x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) / (x^{27} - x^{21} + x^{20} - x^{19} - x^8 - x + 1)$$

Sequence: A322801
Score: 8.98703
Type of gen. func.: ogf

$$\frac{x^{25} - x^{10} - 1}{x^{25} + 2 x^{16} + x^{11} - x^{10} + x^6 + x - 1}$$

Sequence: A322801
Score: 9.85325
Type of gen. func.: ogf

$$\frac{x^{25} - x^{10} - 1}{x^{25} + 2 x^{16} + x^{11} - x^{10} + x^6 + x - 1}$$

Sequence: A322802
Score: 5.16365
Type of gen. func.: ogf

$$- \frac{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1) (x + 1) (x^2 - x + 1) (x^6 - x^3 + 1)}{x^{25} - x^{18} - x^7 - x + 1}$$

Sequence: A322802
Score: 5.43017
Type of gen. func.: ogf

$$-\frac{(x-1)(x^2+x+1)(x^6+x^3+1)(x+1)(x^2-x+1)(x^6-x^3+1)}{x^{25}-x^{18}-x^7-x+1}$$

Sequence: A322829
Score: 3.89807
Type of gen. func.: ogf

$$-\frac{x(x-1)(x+1)(x^8-2x^7+2x^6+2x^2-2x+1)}{x^{12}-x^{11}+x^9-x^8+x^6-x^4+x^3-x+1}$$

Sequence: A322829
Score: 4.11021
Type of gen. func.: ogf

$$-\frac{x(x-1)(x+1)(x^8-2x^7+2x^6+2x^2-2x+1)}{x^{12}-x^{11}+x^9-x^8+x^6-x^4+x^3-x+1}$$

Sequence: A322830
Score: 15.9817
Type of gen. func.: ogf

$$\frac{(x+1)(x^2+94x+1)}{(x-1)^4}$$

Sequence: A322830
Score: 18.7611
Type of gen. func.: ogf

$$\frac{(x+1)(x^2+94x+1)}{}$$

$$(x - 1)^4$$

Sequence: A322830
Score: 5.71529
Type of gen. func.: ogf

$$(307584 f(x) + 24202189)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x - 95 x^2 + f(x) - 95 x - 1)$$

Sequence: A322830
Score: 6.16435
Type of gen. func.: ogf

$$\{-a(n + 4) + 4 a(n + 3) - 6 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 1, a(1) = 99, a(2) = 485, a(3) = 1351\}$$

Sequence: A322844
Score: 8.9159
Type of gen. func.: ogf

$$- \frac{x^2 (5 x^6 + 6 x^5 + 43 x^4 + 20 x^3 + 43 x^2 + 6 x + 5)}{(x - 1)^5 (x + 1)^5}$$

Sequence: A322844
Score: 9.72644
Type of gen. func.: ogf

$$- \frac{x^2 (5 x^6 + 6 x^5 + 43 x^4 + 20 x^3 + 43 x^2 + 6 x + 5)}{(x - 1)^5 (x + 1)^5}$$

Sequence: A322854
Score: 6.84289
Type of gen. func.: ogf

$$x^{28} - x^{13} - x^7 + x^6 - 1$$

$$\overline{x^{22} + x^{20} + 2 x^{14} - 2 x^{13} + x^{8} - x^{7} + x^{6} + x - 1}$$

Sequence: A322854
Score: 7.31892
Type of gen. func.: ogf

$$\frac{x^{28} - x^{13} - x^{7} + x^{6} - 1}{x^{22} + x^{20} + 2 x^{14} - 2 x^{13} + x^{8} - x^{7} + x^{6} + x - 1}$$

Sequence: A322856
Score: 7.81911
Type of gen. func.: ogf

$$\frac{x^{29} + x^{28} - x^{8} - x^{7} - 1}{x^{28} + x^{17} + x^{16} + 2 x^{9} - x^{7} + x - 1}$$

Sequence: A322856
Score: 8.4574
Type of gen. func.: ogf

$$\frac{x^{29} + x^{28} - x^{8} - x^{7} - 1}{x^{28} + x^{17} + x^{16} + 2 x^{9} - x^{7} + x - 1}$$

Sequence: A322888
Score: 13.8044
Type of gen. func.: ogf

$$-\frac{16 x - 1}{x^{2} - 32 x + 1}$$

Sequence: A322888
Score: 16.636
Type of gen. func.: ogf

$$-\frac{16x-1}{x^2-32x+1}$$

Sequence: A322888
Score: 6.82954
Type of gen. func.: ogf

$$-(255 f(x) - 127) (f(x) x^2 - 32 f(x) x + f(x) + 16 x - 1)$$

Sequence: A322888
Score: 8.53692
Type of gen. func.: ogf

$$\{a(n + 2) - 32 a(n + 1) + a(n), a(0) = 1, a(1) = 16\}$$

Sequence: A322889
Score: 12.3882
Type of gen. func.: ogf

$$-\frac{18x-1}{x^2-36x+1}$$

Sequence: A322889
Score: 14.9293
Type of gen. func.: ogf

$$-\frac{18x-1}{x^2-36x+1}$$

Sequence: A322889
Score: 6.12888
Type of gen. func.: ogf

$$-(323 f(x) - 161) (f(x) x^2 - 36 f(x) x + f(x) + 18 x - 1)$$

Sequence: A322889
Score: 7.6611
Type of gen. func.: ogf

$$\{a(n + 2) - 36 a(n + 1) + a(n), a(0) = 1, a(1) = 18\}$$

Sequence: A322890
Score: 12.6831
Type of gen. func.: ogf

$$-\frac{20 x - 1}{x^2 - 40 x + 1}$$

Sequence: A322890
Score: 15.2848
Type of gen. func.: ogf

$$-\frac{20 x - 1}{x^2 - 40 x + 1}$$

Sequence: A322890
Score: 6.27481
Type of gen. func.: ogf

$$-(399 f(x) - 199) (f(x) x^2 - 40 f(x) x + f(x) + 20 x - 1)$$

Sequence: A322890
Score: 7.84351
Type of gen. func.: ogf

$$\{a(n + 2) - 40 a(n + 1) + a(n), a(0) = 1, a(1) = 20\}$$

Sequence: A322914
Score: 4.17339
Type of gen. func.: ogf

$$\{a(n + 3) n - 24 a(n + 2) n + 144 a(n + 1) n + 3 a(n + 3) - 54 a(n + 2)$$

$+ 216 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 15\}$

Sequence: A322914
Score: 7.42863
Type of gen. func.: revogf

$$\frac{2 x (3 (1 + 24 x)^{1/2} + 24 x + 1)}{(1 + 24 x)^{1/2} (1 + (1 + 24 x)^{1/2})^{3}}$$

Sequence: A322914
Score: 7.81962
Type of gen. func.: ogf

$$-432 f(x)^{2} x^{2} + 72 f(x)^{2} x - 3 f(x)^{2} - 12 f(x) x + f(x) - x$$

Sequence: A322918
Score: 2.53056
Type of gen. func.: revogf

$$\frac{216 x^{3} + 6 (12 x + 1)^{1/2} x - 54 x^{2} - (12 x + 1)^{1/2} + 1}{14580 x^{3}}$$

Sequence: A322925
Score: 10.0855
Type of gen. func.: ogf

$$\frac{x (10 x^{2} + 2 x + 1)}{(x - 1) (x + 1) (10 x^{2} - 1)}$$

Sequence: A322925
Score: 11.2897
Type of gen. func.: ogf

$$\frac{x (10 x^{2} + 2 x + 1)}{}$$

$$(x - 1) (x + 1) (10 x^{2} - 1)$$

Sequence: A322925
Score: 7.13595
Type of gen. func.: ogf

$$(1918 f(x) - 5483) (10 f(x) x^{4} - 11 f(x) x^{2} - 10 x^{3} - 2 x^{2} + f(x) - x)$$

Sequence: A322925
Score: 7.5641
Type of gen. func.: ogf

$$\{a(n + 4) - 11 a(n + 2) + 10 a(n), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 21\}$$

Sequence: A322927
Score: 10.0855
Type of gen. func.: ogf

$$\frac{x (40 x^{2} + 5 x + 1)}{(x + 1) (x - 1) (10 x^{2} - 1)}$$

Sequence: A322927
Score: 11.2897
Type of gen. func.: ogf

$$\frac{x (40 x^{2} + 5 x + 1)}{(x + 1) (x - 1) (10 x^{2} - 1)}$$

Sequence: A322927
Score: 6.63518
Type of gen. func.: ogf

$$-(79774 f(x) - 1285507) (10 f(x) x^{4} - 11 f(x) x^{2} - 40 x^{3} - 5 x^{2} + f(x) - x)$$

Sequence: A322927
Score: 7.5641
Type of gen. func.: ogf

$\{a(n + 4) - 11 a(n + 2) + 10 a(n), a(0) = 0, a(1) = 1, a(2) = 5, a(3) = 51\}$

Sequence: A322938
Score: 4.85561
Type of gen. func.: ogf

$$- \frac{2 I x^2 - 2 x^2 (4 x - 1)^{1/2} - 3 I x + x (4 x - 1)^{1/2} + I - (4 x - 1)^{1/2}}{2 (4 x - 1)^{1/2} x^2 (x - 1)}$$

Sequence: A322939
Score: 14.119
Type of gen. func.: ogf

$$\frac{4 x^2 + x - 1}{4 x^3 + 3 x^2 + 2 x - 1}$$

Sequence: A322939
Score: 16.4242
Type of gen. func.: ogf

$$\frac{4 x^2 + x - 1}{4 x^3 + 3 x^2 + 2 x - 1}$$

Sequence: A322939
Score: 6.87849
Type of gen. func.: ogf

$$-(11 f(x) - 12) (4 f(x) x^3 + 3 f(x) x^2 + 2 f(x) x - 4 x^2 - f(x) - x + 1)$$

Sequence: A322939
Score: 7.7383

Type of gen. func.: ogf

$$\{a(n+3) - 2 a(n+2) - 3 a(n+1) - 4 a(n), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A322940
Score: 15.2012
Type of gen. func.: ogf

$$\frac{4 x^2 + x - 1}{2 x^2 + 3 x - 1}$$

Sequence: A322940
Score: 18.1673
Type of gen. func.: ogf

$$\frac{4 x^2 + x - 1}{2 x^2 + 3 x - 1}$$

Sequence: A322940
Score: 7.67896
Type of gen. func.: ogf

$$-(f(x) + 1) (2 f(x) x^2 + 3 f(x) x - 4 x^2 - f(x) - x + 1)$$

Sequence: A322940
Score: 7.92403
Type of gen. func.: ogf

$$\{-a(n+3) + 3 a(n+2) + 2 a(n+1), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A322943
Score: 12.7363
Type of gen. func.: lgdegf]

$$-\frac{(x - 2) (x^2 - x + 1)}{4}$$

$$(x - 1)$$

Sequence: A323142
Score: 5.60135
Type of gen. func.: ogf

$$-\frac{9 x^{10} - x^9 - x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 100}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A323142
Score: 5.8397
Type of gen. func.: ogf

$$-\frac{9 x^{10} - x^9 - x^8 - x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 100}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A323178
Score: 14.1789
Type of gen. func.: ogf

$$-\frac{101 x^2 + 98 x + 1}{(x - 1)^3}$$

Sequence: A323178
Score: 17.0147
Type of gen. func.: ogf

$$-\frac{101 x^2 + 98 x + 1}{(x - 1)^3}$$

Sequence: A323178
Score: 5.67156
Type of gen. func.: ogf

$$(328 f(x) - 22315) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 101 x^2 - f(x) + 98 x + 1)$$

Sequence: A323178
Score: 6.30174
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 101, a(2) = 401\}$$

Sequence: A323191
Score: 4.22938
Type of gen. func.: ogf

$$\{-a(n + 6) - a(n + 5) - a(n + 2) - a(n + 1), a(0) = 1, a(1) = -1, a(2) = 1, a(3) = -1, a(4) = 0, a(5) = -1\}$$

Sequence: A323191
Score: 6.9856
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^4 + x^3 + x^2 + x + 1)}{(x + 1) (x^4 + 1)}$$

Sequence: A323191
Score: 7.67553
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^4 + x^3 + x^2 + x + 1)}{(x + 1) (x^4 + 1)}$$

Sequence: A323202
Score: 4.7036
Type of gen. func.: ogf

$$\{a(n + 4) + a(n + 3) + a(n + 2) + a(n + 1), a(0) = 1, a(1) = -1, a(2) = 0, a(3) = -1\}$$

Sequence: A323202
Score: 5.2121
Type of gen. func.: ogf

$$-(2 f(x) + 5) (f(x) x^3 + f(x) x^2 + x^3 + f(x) x + f(x) - 1)$$

Sequence: A323202
Score: 7.92525
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^2 + x + 1)}{(x + 1) (x^2 + 1)}$$

Sequence: A323202
Score: 8.90067
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^2 + x + 1)}{(x + 1) (x^2 + 1)}$$

Sequence: A323210
Score: 10.5228
Type of gen. func.: ogf

$$\frac{8 x^3 - 24 x^2 + 6 x + 1}{(x - 1) (2 x + 1) (4 x - 1)}$$

Sequence: A323210
Score: 11.7983
Type of gen. func.: ogf

$$\frac{8 x^3 - 24 x^2 + 6 x + 1}{(x - 1) (2 x + 1) (4 x - 1)}$$

Sequence: A323210
Score: 6.22948
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 3) - 6 a(n + 2) + 8 a(n + 1), a(0) = 1, a(1) = 9, a(2) = 9, a(3) = 81\}$$

Sequence: A323210
Score: 6.27972
Type of gen. func.: ogf

$$-(f(x) - 1) (8 f(x) x^3 - 6 f(x) x^2 - 8 x^3 - 3 f(x) x + 24 x^2 + f(x) - 6 x - 1)$$

Sequence: A323218
Score: 16.0921
Type of gen. func.: ogf

$$\frac{7 x^3 - 25 x^2 + 25 x + 1}{(x - 1)^4}$$

Sequence: A323218
Score: 19.086
Type of gen. func.: ogf

$$\frac{7 x^3 - 25 x^2 + 25 x + 1}{(x - 1)^4}$$

Sequence: A323218
Score: 5.62123
Type of gen. func.: ogf

$$(2924 f(x) + 37897) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 7 x^3 - 4 f(x) x + 25 x^2 + f(x) - 25 x - 1)$$

Sequence: A323218
Score: 5.9471
Type of gen. func.: ogf

$$\{-a(n + 4) + 4 a(n + 3) - 6 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 1, a(1) = 29, a(2) = 85, a(3) = 177\}$$

Sequence: A323219
Score: 4.92896
Type of gen. func.: ogf

$$108 f(x)^3 x^4 + 216 f(x)^2 x^4 + 323 f(x)^3 x^2 + 144 f(x) x^4 - 2 f(x)^2 x^2 + 32 x^4 - 3 f(x)^3 + 3 f(x) x^2$$

Sequence: A323220
Score: 13.9878
Type of gen. func.: ogf

$$\frac{8 x^4 - 31 x^3 + 41 x^2 - 18 x - 1}{(x - 1)^5}$$

Sequence: A323220
Score: 16.1398
Type of gen. func.: ogf

$$\frac{8 x^4 - 31 x^3 + 41 x^2 - 18 x - 1}{(x - 1)^5}$$

Sequence: A323220
Score: 4.87946
Type of gen. func.: ogf

$$\{a(n + 5) - 5 a(n + 4) + 10 a(n + 3) - 10 a(n + 2) + 5 a(n + 1) - a(n), a(0) = 1, a(1) = 23, a(2) = 64, a(3) = 131, a(4) = 232\}$$

Sequence: A323221
Score: 17.268
Type of gen. func.: ogf

$$\frac{3 x^3 - 8 x^2 + 5 x + 1}{(x - 1)^4}$$

Sequence: A323221
Score: 20.6373
Type of gen. func.: ogf

$$\frac{3 x^3 - 8 x^2 + 5 x + 1}{(x - 1)^4}$$

Sequence: A323221
Score: 6.13137
Type of gen. func.: ogf

$$(6 f(x) - 13)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 3 x^3 - 4 f(x) x + 8 x^2 + f(x) - 5 x - 1)$$

Sequence: A323221
Score: 6.22154
Type of gen. func.: ogf

$\{a(n + 4) - 4 a(n + 3) + 6 a(n + 2) - 4 a(n + 1) + a(n), a(0) = 1, a(1) = 9,$

$a(2) = 22, a(3) = 41\}$

Sequence: A323223
Score: 14.4253
Type of gen. func.: lgdogf

$$- \frac{14 x - 11}{(4 x - 1) (x - 1)}$$

Sequence: A323223
Score: 4.47683
Type of gen. func.: ogf

$$\{a(n+3)\,n - 5\,a(n+2)\,n + 4\,a(n+1)\,n + 2\,a(n+3) - 16\,a(n+2) + 14\,a(n+1),\ a(0) = 0,\ a(1) = 1,\ a(2) = 11\}$$

Sequence: A323225
Score: 12.3185
Type of gen. func.: ogf

$$\frac{x\,(3\,x^2 - 3\,x + 1)}{(2\,x^2 - 2\,x + 1)\,(2\,x - 1)^2}$$

Sequence: A323225
Score: 14.0474
Type of gen. func.: ogf

$$\frac{x\,(3\,x^2 - 3\,x + 1)}{(2\,x^2 - 2\,x + 1)\,(2\,x - 1)^2}$$

Sequence: A323225
Score: 5.84453
Type of gen. func.: ogf

$$(32\,f(x) + 43)\,(8\,f(x)\,x^4 - 16\,f(x)\,x^3 + 14\,f(x)\,x^2 - 3\,x^3 - 6\,f(x)\,x + 3\,x^2 + f(x) - x)$$

Sequence: A323225
Score: 5.93111
Type of gen. func.: ogf

$$\{a(n+4) - 6\,a(n+3) + 14\,a(n+2) - 16\,a(n+1) + 8\,a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 3,\ a(3) = 7\}$$

Sequence: A323227
Score: 11.2414
Type of gen. func.: ogf

$$-\frac{x^4 - 2x^3 + x^2 - 2x + 1}{(2x - 1)(x - 1)^2}$$

Sequence: A323227
Score: 12.625
Type of gen. func.: ogf

$$-\frac{x^4 - 2x^3 + x^2 - 2x + 1}{(2x - 1)(x - 1)^2}$$

Sequence: A323227
Score: 6.03401
Type of gen. func.: ogf

$\{a(n + 5) - 4 a(n + 4) + 5 a(n + 3) - 2 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 4,$

$a(3) = 6, a(4) = 9\}$

Sequence: A323227
Score: 6.46162
Type of gen. func.: ogf

$$(f(x) + 3)(2 f(x) x^3 + x^4 - 5 f(x) x^2 - 2 x^3 + 4 f(x) x + x^2 - f(x) - 2x + 1)$$

Sequence: A323228
Score: 11.3003
Type of gen. func.: ogf

$$-\frac{x^5 - 5x^4 + 10x^3 - 10x^2 + 4x - 1}{(x - 1)^6}$$

Sequence: A323228

Score: 12.7352
Type of gen. func.: ogf

$$-\frac{x^5 - 5\,x^4 + 10\,x^3 - 10\,x^2 + 4\,x - 1}{(x - 1)^6}$$

Sequence: A323228
Score: 3.99164
Type of gen. func.: ogf

$$\{-a(n + 6) + 6\,a(n + 5) - 15\,a(n + 4) + 20\,a(n + 3) - 15\,a(n + 2) + 6\,a(n + 1) - a(n),\ a(0) = 1,\ a(1) = 2,\ a(2) = 7,\ a(3) = 22,\ a(4) = 57,\ a(5) = 127\}$$

Sequence: A323229
Score: 4.51009
Type of gen. func.: ogf

$$4\,f(x)^2\,x^4 - 9\,f(x)^2\,x^3 + 6\,f(x)^2\,x^2 + 12\,f(x)\,x^3 - f(x)^2\,x - 19\,f(x)\,x^2 + x^3 + 8\,f(x)\,x + 6\,x^2 - f(x) - 5\,x + 1$$

Sequence: A323229
Score: 5.88722
Type of gen. func.: ogf

$$-\frac{2\,I\,x^2 - 3\,I\,x + 3\,x\,(4\,x - 1)^{1/2} + I - (4\,x - 1)^{1/2}}{2\,(4\,x - 1)^{1/2}\,x\,(x - 1)}$$

Sequence: A323230
Score: 5.06239
Type of gen. func.: ogf

$$4\,f(x)^2\,x^3 - 9\,f(x)^2\,x^2 + x^4 + 6\,f(x)^2\,x + 8\,f(x)\,x^2 - 2\,x^3 - f(x)^2 - 10\,f(x)\,x + x^2 + 2\,f(x) + 4\,x - 1$$

Sequence: A323230
Score: 8.8734
Type of gen. func.: ogf

$$\frac{-4 x + 1 + (-x^2 (4 x - 1) (x - 1)^2)^{1/2}}{(4 x - 1) (x - 1)}$$

Sequence: A323232
Score: 11.3381
Type of gen. func.: ogf

$$-8 f(x) x^2 - 3 f(x) x + 8 x^2 + f(x) - 1$$

Sequence: A323232
Score: 16.8812
Type of gen. func.: ogf

$$\frac{8 x^2 - 1}{8 x^2 + 3 x - 1}$$

Sequence: A323232
Score: 20.5312
Type of gen. func.: ogf

$$\frac{8 x^2 - 1}{8 x^2 + 3 x - 1}$$

Sequence: A323232
Score: 8.08143
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + 8 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A323260
Score: 10.271
Type of gen. func.: ogf

$$-\frac{2 x (x + 1) (x - 1)^3}{x^5 - 7 x^4 + 5 x^3 + 3 x^2 - 5 x + 1}$$

Sequence: A323260
Score: 11.3382
Type of gen. func.: ogf

$$-\frac{2 x (x + 1) (x - 1)^3}{x^5 - 7 x^4 + 5 x^3 + 3 x^2 - 5 x + 1}$$

Sequence: A323260
Score: 4.66865
Type of gen. func.: ogf

{a(n + 6) - 5 a(n + 5) + 3 a(n + 4) + 5 a(n + 3) - 7 a(n + 2) + a(n + 1),

a(0) = 0, a(1) = 2, a(2) = 6, a(3) = 24, a(4) = 96, a(5) = 390}

Sequence: A323261
Score: 10.815
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x - 1)^3}{x^5 - 7 x^4 + 5 x^3 + 3 x^2 - 5 x + 1}$$

Sequence: A323261
Score: 11.9386
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x - 1)^3}{x^5 - 7 x^4 + 5 x^3 + 3 x^2 - 5 x + 1}$$

Sequence: A323261

Score: 4.91589
Type of gen. func.: ogf

{a(n + 6) - 5 a(n + 5) + 3 a(n + 4) + 5 a(n + 3) - 7 a(n + 2) + a(n + 1),

a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 12, a(4) = 48, a(5) = 195}

Sequence: A323262
Score: 4.64382
Type of gen. func.: ogf

{a(n + 6) - 5 a(n + 5) + 3 a(n + 4) + 5 a(n + 3) - 7 a(n + 2) + a(n + 1),

a(0) = 1, a(1) = 1, a(2) = 5, a(3) = 20, a(4) = 83, a(5) = 337}

Sequence: A323262
Score: 9.00039
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 - 3 x + 1) (x - 1)^2}{x^5 - 7 x^4 + 5 x^3 + 3 x^2 - 5 x + 1}$$

Sequence: A323262
Score: 9.80941
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 - 3 x + 1) (x - 1)^2}{x^5 - 7 x^4 + 5 x^3 + 3 x^2 - 5 x + 1}$$

Sequence: A323263
Score: 10.3374
Type of gen. func.: ogf

$$- \frac{x^2 (x^2 - x - 1) (x - 1)^2}{(x + 1) (x^5 - 7 x^4 + 5 x^3 + 3 x^2 - 5 x + 1)}$$

Sequence: A323263

Score: 4.64224
Type of gen. func.: ogf

{a(n + 7) - 4 a(n + 6) - 2 a(n + 5) + 8 a(n + 4) - 2 a(n + 3) - 6 a(n + 2) + a(n + 1), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 3, a(4) = 12, a(5) = 49, a(6) = 197}

Sequence: A323263
Score: 9.54975
Type of gen. func.: ogf

$$-\frac{x^2 (x^2 - x - 1) (x - 1)^2}{(x + 1) (x^5 - 7 x^4 + 5 x^3 + 3 x^2 - 5 x + 1)}$$

Sequence: A323264
Score: 8.726
Type of gen. func.: ogf

$$\frac{x^3 (3 x^3 - 2 x^2 + 1)}{(x^5 - 7 x^4 + 5 x^3 + 3 x^2 - 5 x + 1) (x + 1)^2}$$

Sequence: A323264
Score: 9.54727
Type of gen. func.: ogf

$$\frac{x^3 (3 x^3 - 2 x^2 + 1)}{(x^5 - 7 x^4 + 5 x^3 + 3 x^2 - 5 x + 1) (x + 1)^2}$$

Sequence: A323265
Score: 11.1065
Type of gen. func.: ogf

$$\frac{2 x (x - 1)^2}{x^5 - 7 x^4 + 5 x^3 + 3 x^2 - 5 x + 1}$$

Sequence: A323265
Score: 12.4735
Type of gen. func.: ogf

$$\frac{2 x (x - 1)^2}{x^5 - 7 x^4 + 5 x^3 + 3 x^2 - 5 x + 1}$$

Sequence: A323265
Score: 4.88419
Type of gen. func.: ogf

{-a(n + 5) + 5 a(n + 4) - 3 a(n + 3) - 5 a(n + 2) + 7 a(n + 1) - a(n), a(0) = 0,

a(1) = 2, a(2) = 6, a(3) = 26, a(4) = 102}

Sequence: A323266
Score: 12.363
Type of gen. func.: ogf

$$\frac{x (x - 1)^2}{x^5 - 7 x^4 + 5 x^3 + 3 x^2 - 5 x + 1}$$

Sequence: A323266
Score: 13.9843
Type of gen. func.: ogf

$$\frac{x (x - 1)^2}{x^5 - 7 x^4 + 5 x^3 + 3 x^2 - 5 x + 1}$$

Sequence: A323266
Score: 5.16997
Type of gen. func.: ogf

{-a(n + 5) + 5 a(n + 4) - 3 a(n + 3) - 5 a(n + 2) + 7 a(n + 1) - a(n), a(0) = 0,

a(1) = 1, a(2) = 3, a(3) = 13, a(4) = 51}

Sequence: A323267
Score: 10.0125
Type of gen. func.: ogf

$$\frac{x^3 (x^3 - 2 x^2 + 2 x + 1)}{(x^5 - 7 x^4 + 5 x^3 + 3 x^2 - 5 x + 1) (x + 1)^2}$$

Sequence: A323267
Score: 9.18674
Type of gen. func.: ogf

$$\frac{x^3 (x^3 - 2 x^2 + 2 x + 1)}{(x^5 - 7 x^4 + 5 x^3 + 3 x^2 - 5 x + 1) (x + 1)^2}$$

Sequence: A323268
Score: 10.9987
Type of gen. func.: ogf

$$- \frac{2 x^4 (x - 1)}{(x + 1) (x^5 - 7 x^4 + 5 x^3 + 3 x^2 - 5 x + 1)}$$

Sequence: A323268
Score: 4.45736
Type of gen. func.: ogf

{a(n + 6) - 4 a(n + 5) - 2 a(n + 4) + 8 a(n + 3) - 2 a(n + 2) - 6 a(n + 1)

+ a(n), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 2, a(5) = 6}

Sequence: A323268
Score: 9.96351
Type of gen. func.: ogf

$$- \frac{2 x^4 (x - 1)}{(x + 1) (x^5 - 7 x^4 + 5 x^3 + 3 x^2 - 5 x + 1)}$$

Sequence: A323269
Score: 4.12806
Type of gen. func.: ogf

{-a(n + 6) + 5 a(n + 5) - 3 a(n + 4) - 5 a(n + 3) + 7 a(n + 2) - a(n + 1),

a(0) = 1, a(1) = 5, a(2) = 19, a(3) = 76, a(4) = 307, a(5) = 1245}

Sequence: A323269
Score: 7.80653
Type of gen. func.: ogf

$$-\frac{(x + 1)(x^2 - x - 1)(x - 1)^2}{x^5 - 7x^4 + 5x^3 + 3x^2 - 5x + 1}$$

Sequence: A323269
Score: 8.47806
Type of gen. func.: ogf

$$-\frac{(x + 1)(x^2 - x - 1)(x - 1)^2}{x^5 - 7x^4 + 5x^3 + 3x^2 - 5x + 1}$$

Sequence: A323270
Score: 4.79731
Type of gen. func.: ogf

$$x (x - 1) (x^9 - 14 x^7 - 3 x^6 + 35 x^5 - 18 x^4 - 17 x^3 + 24 x^2 - 13 x + 3) / (x^{10} + 2 x^9 - 11 x^8 - 6 x^7 + 32 x^6 - 20 x^5 - 16 x^4 + 30 x^3 - 20 x^2 + 7 x - 1)$$

Sequence: A323270
Score: 5.00818
Type of gen. func.: ogf

$$x (x - 1) (x^{9} - 14 x^{7} - 3 x^{6} + 35 x^{5} - 18 x^{4} - 17 x^{3} + 24 x^{2} - 13 x + 3) / (x^{10} + 2 x^{9} - 11 x^{8} - 6 x^{7} + 32 x^{6} - 20 x^{5} - 16 x^{4} + 30 x^{3} - 20 x^{2} + 7 x - 1)$$

Sequence: A323277
Score: 4.93789
Type of gen. func.: ogf

$$\{144 a(n) n + a(n + 2) n - 24 a(n + 1) n + 72 a(n) + a(n + 2) - 18 a(n + 1),$$
$$a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A323277
Score: 5.23417
Type of gen. func.: ogf

$$5184 f(x)^{2} x^{3} - 1296 f(x)^{2} x^{2} - 144 f(x) x^{3} + 108 f(x)^{2} x + 24 f(x) x^{2} + x^{3} - 3 f(x)^{2} - f(x) x$$

Sequence: A323277
Score: 9.81406
Type of gen. func.: ogf

$$\frac{((-12 x + 1)^{1/2} - 1) x}{6 (-12 x + 1)^{1/2} (12 x - 1)}$$

Sequence: A323288
Score: 3.63625
Type of gen. func.: ogf

$$2 (41 x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + 2 x^{9} + 2 x^{8} + 2 x^{7} + 2 x^{6} + 2 x^{5} + x^{4} + x^{3} + x^{2} + x + 1) / ((x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2} (x + 1)^{2} (x^{4} - x^{3} + x^{2} - x + 1)^{2})$$

Sequence: A323288
Score: 3.76669
Type of gen. func.: ogf

$$2\,(41 x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + 2 x^{9} + 2 x^{8} + 2 x^{7} + 2 x^{6} + 2 x^{5} + x^{4} + x^{3} + x^{2} + x + 1) \Big/ \left((x^{4} + x^{3} + x^{2} + x + 1)\,(x - 1)^{2}\,(x + 1)^{2}\,(x^{4} - x^{3} + x^{2} - x + 1)\right)$$

Sequence: A323294
Score: 11.274
Type of gen. func.: ogf

$$\frac{5 x^{7} - 17 x^{6} + 20 x^{5} - 8 x^{4} - 3 x^{2} + 3 x - 1}{(x - 1)^{3}}$$

Sequence: A323294
Score: 12.6201
Type of gen. func.: ogf

$$\frac{5 x^{7} - 17 x^{6} + 20 x^{5} - 8 x^{4} - 3 x^{2} + 3 x - 1}{(x - 1)^{3}}$$

Sequence: A323297
Score: 8.66398
Type of gen. func.: lgdegf]

$$1/2 \exp(x)\, x^{2} + \exp(x)\, x + \frac{5 x^{3}}{6} - x^{2} - x + 1$$

Sequence: A323298
Score: 19.0822
Type of gen. func.: ogf

$$-855 x^{7} - 75 x^{6} + x^{3} + 1$$

Sequence: A323325
Score: 15.9982
Type of gen. func.: ogf

$$1/4 + 3/4 \operatorname{hypergeom}([1/2, 1/2, 1/2], [1, 2], 64 x)$$

Sequence: A323325
Score: 6.19827
Type of gen. func.: ogf

$$\{a(n + 1) n^{3} - 64 a(n) n^{3} + 4 a(n + 1) n^{2} - 96 a(n) n^{2} + 5 a(n + 1) n - 48 a(n) n + 2 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 3\}$$

Sequence: A323397
Score: 15.6048
Type of gen. func.: ogf

$$\frac{x (7 x - 2)}{(4 x - 1) (x - 1)^{2}}$$

Sequence: A323397
Score: 18.6496
Type of gen. func.: ogf

$$\frac{x (7 x - 2)}{(4 x - 1) (x - 1)^{2}}$$

Sequence: A323397
Score: 6.70732
Type of gen. func.: ogf

$$-(185 f(x) - 57) (4 f(x) x^{3} - 9 f(x) x^{2} + 6 f(x) x - 7 x^{2} - f(x) + 2 x)$$

Sequence: A323397
Score: 7.42363
Type of gen. func.: ogf

$$\{-a(n + 3) + 6\ a(n + 2) - 9\ a(n + 1) + 4\ a(n),\ a(0) = 0,\ a(1) = 2,\ a(2) = 5\}$$

Sequence: A323416
Score: 24.4831
Type of gen. func.: egf]

$$\frac{1}{(10\ x - 1)\ (x - 1)}$$

Sequence: A323416
Score: 32.0164
Type of gen. func.: egf]

$$\frac{1}{(10\ x - 1)\ (x - 1)}$$

Sequence: A323416
Score: 4.62459
Type of gen. func.: ogf

$$\{10\ a(n + 1)\ n^2 - 11\ a(n + 2)\ n + 50\ a(n + 1)\ n + a(n + 3) - 33\ a(n + 2)$$
$$+ 60\ a(n + 1),\ a(0) = 1,\ a(1) = 11,\ a(2) = 222\}$$

Sequence: A323416
Score: 9.67938
Type of gen. func.: egf]

$$(101\ f(x) + 20)\ (10\ f(x)\ x^2 - 11\ f(x)\ x + f(x) - 1)$$

Sequence: A323422
Score: 7.25459
Type of gen. func.: ogf

9   5   4   3   2

$$\frac{3 x (4 x + x + x + x + x + x + 1)}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A323422
Score: 7.71889
Type of gen. func.: ogf

$$\frac{3 x (4 x^9 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A323496
Score: 21.8432
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A323497
Score: 9.77253
Type of gen. func.: ogf

$$(f(x) - 1) (-6890625 x^8 + f(x)^2 - f(x))$$

Sequence: A323499
Score: 6.54503
Type of gen. func.: lgdegf]

$$\frac{x^7 + 15 x^5 + 2 x^4 + 50 x^3 + 12 x^2 + 30 x + 6}{x^6 + 9 x^4 + 2 x^3 + 14 x^2 + 6 x + 2}$$

Sequence: A323533
Score: 22.8756
Type of gen. func.: ogf

$$(f(x) - 1)^2$$

Sequence: A323534
Score: 24.6217
Type of gen. func.: ogf

$$(f(x) - 1)^{2}$$

Sequence: A323535
Score: 25.3004
Type of gen. func.: ogf

$$(f(x) - 1)^{2}$$

Sequence: A323538
Score: 24.4097
Type of gen. func.: ogf

$$(f(x) - 1)^{2}$$

Sequence: A323538
Score: 4.84604
Type of gen. func.: lgdogf

$$5414310778329020005044522293503125000\ x^{15}$$

$$(103367419703613038934417600\ x^{3} + 271909581050250000\ x^{2} + 703956825\ x + 2)$$

Sequence: A323610
Score: 12.4615
Type of gen. func.: ogf

$$-f(x)\ x^{2} + 2\ f(x)\ x - 8\ x^{2} - f(x) - 32\ x + 48$$

Sequence: A323610
Score: 20.2153
Type of gen. func.: ogf

$$-\frac{8\,(x^2 + 4\,x - 6)}{(x - 1)^2}$$

Sequence: A323610
Score: 24.5861
Type of gen. func.: ogf

$$-\frac{8\,(x^2 + 4\,x - 6)}{(x - 1)^2}$$

Sequence: A323610
Score: 9.37821
Type of gen. func.: ogf

$$\{-a(n + 3) + 2\,a(n + 2) - a(n + 1),\ a(0) = 48,\ a(1) = 64,\ a(2) = 72\}$$

Sequence: A323614
Score: 10.5885
Type of gen. func.: ogf

$$-f(x)\,x^2 + 2\,f(x)\,x - 32\,x^2 - f(x) - 96\,x + 144$$

Sequence: A323614
Score: 17.2639
Type of gen. func.: ogf

$$-\frac{16\,(2\,x^2 + 6\,x - 9)}{(x - 1)^2}$$

Sequence: A323614
Score: 20.8984
Type of gen. func.: ogf

$$16\,(2\,x^2 + 6\,x - 9)$$

$$-\frac{}{(x - 1)^{2}}$$

Sequence: A323614
Score: 7.94141
Type of gen. func.: ogf

$$\{-a(n + 3) + 2\, a(n + 2) - a(n + 1),\ a(0) = 144,\ a(1) = 192,\ a(2) = 208\}$$

Sequence: A323618
Score: 10.1716
Type of gen. func.: egf]

$$1/2 \ln(x + 1)\, (x + 1)\, (\ln(x + 1) + 2)$$

Sequence: A323620
Score: 4.44928
Type of gen. func.: ogf

$$\{a(n + 1)\, n^{2} + 2\, a(n + 2)\, n + a(n + 1)\, n + a(n + 3) + 2\, a(n + 2) - a(n + 1),$$
$$a(0) = 0,\ a(1) = 1,\ a(2) = 0\}$$

Sequence: A323620
Score: 6.93924
Type of gen. func.: egf]

$$-\frac{5^{1/2} \left(-(x + 1)^{\left(1/2 + \frac{5^{1/2}}{2}\right)} + (x + 1)^{\left(1/2 - \frac{5^{1/2}}{2}\right)}\right)}{5}$$

Sequence: A323629
Score: 14.27
Type of gen. func.: ogf

$$-\frac{8\, (x^{6} + 2\, x^{2} + 8\, x - 12)}{(x - 1)^{2}}$$

Sequence: A323629
Score: 16.7517
Type of gen. func.: ogf

$$-\frac{8\,(x^6 + 2\,x^2 + 8\,x - 12)}{(x - 1)^2}$$

Sequence: A323629
Score: 4.97149
Type of gen. func.: ogf

{a(n + 7) - 2 a(n + 6) + a(n + 5), a(0) = 96, a(1) = 128, a(2) = 144,

a(3) = 160, a(4) = 176, a(5) = 192, a(6) = 200}

Sequence: A323633
Score: 3.80982
Type of gen. func.: ogf

$$1/((x + 1)\,(x^{26} - x^{25} + x^{24} - x^{23} + x^{22} - x^{21} + x^{20} - x^{19} + x^{18} - x^{17} + x^{16} - x^{15} + x^{14} - x^{13} + x^{12} - x^{11} + x^{10} - x^9 + x^8 + 1))$$

Sequence: A323633
Score: 3.97023
Type of gen. func.: ogf

$$1/((x + 1)\,(x^{26} - x^{25} + x^{24} - x^{23} + x^{22} - x^{21} + x^{20} - x^{19} + x^{18} - x^{17} + x^{16} - x^{15} + x^{14} - x^{13} + x^{12} - x^{11} + x^{10} - x^9 + x^8 + 1))$$

Sequence: A323639
Score: 15.2226
Type of gen. func.: ogf

$$\frac{13\,x - 1}{(10\,x - 1)\,(x - 1)}$$

Sequence: A323639
Score: 18.3452
Type of gen. func.: ogf

$$\frac{13 x - 1}{(10 x - 1) (x - 1)}$$

Sequence: A323639
Score: 7.77677
Type of gen. func.: ogf

$$-(f(x) + 1) (10 f(x) x^2 - 11 f(x) x + f(x) - 13 x + 1)$$

Sequence: A323639
Score: 9.41398
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = -1, a(1) = 2\}$$

Sequence: A323664
Score: 12.4922
Type of gen. func.: lgdegf]

$$\exp(-x) \operatorname{HeunC}(4/3, 1, -2, 0, 1/6, -3 x)$$

Sequence: A323666
Score: 10.3687
Type of gen. func.: lgdegf]

$$2 \exp(2 x) (\operatorname{BesselI}(0, 2 x) + \operatorname{BesselI}(1, 2 x))$$

Sequence: A323667
Score: 14.0742
Type of gen. func.: lgdegf]

$$\exp(-2 x) \operatorname{HeunC}(2, 2, -2, 1, -1, -2 x)$$

Sequence: A323668
Score: 6.81765
Type of gen. func.: lgdegf]

$$\frac{\exp(2\ x)\ (4\ \mathrm{BesselI}(0,\ 2\ x)\ x + 4\ \mathrm{BesselI}(1,\ 2\ x)\ x - \mathrm{BesselI}(1,\ 2\ x))}{x}$$

Sequence: A323672
Score: 13.7895
Type of gen. func.: lgdegf]

$$\exp(-x)\ \mathrm{HeunC}(4,\ 3,\ -2,\ 0,\ -3/2,\ -x)$$

Sequence: A323709
Score: 10.0821
Type of gen. func.: ogf

$$-\frac{13\ x^6 + 9\ x^5 - 11\ x^4 - 27\ x^3 - 7\ x^2 + x - 2}{x^4 - x^2 - 2\ x + 1}$$

Sequence: A323709
Score: 5.28112
Type of gen. func.: ogf

{-a(n + 7) + 2 a(n + 6) + a(n + 5) - a(n + 3), a(0) = 2, a(1) = 3, a(2) = 15,

a(3) = 60, a(4) = 144, a(5) = 336, a(6) = 788}

Sequence: A323709
Score: 9.24196
Type of gen. func.: ogf

$$-\frac{13\ x^6 + 9\ x^5 - 11\ x^4 - 27\ x^3 - 7\ x^2 + x - 2}{x^4 - x^2 - 2\ x + 1}$$

Sequence: A323723

Score: 13.3377
Type of gen. func.: ogf

$$\frac{2 x^{2} (x^{3} + 3 x + 2)}{(x + 1)^{2} (x - 1)^{4}}$$

Sequence: A323723
Score: 15.351
Type of gen. func.: ogf

$$\frac{2 x^{2} (x^{3} + 3 x + 2)}{(x + 1)^{2} (x - 1)^{4}}$$

Sequence: A323723
Score: 4.17231
Type of gen. func.: ogf

$$\{a(n + 6) - 2 a(n + 5) - a(n + 4) + 4 a(n + 3) - a(n + 2) - 2 a(n + 1) + a(n),$$

$$a(0) = 0, a(1) = 0, a(2) = 4, a(3) = 14, a(4) = 32, a(5) = 64\}$$

Sequence: A323724
Score: 12.0268
Type of gen. func.: ogf

$$\frac{2 x^{2} (x^{3} + 3 x^{2} + x + 1)}{(x + 1)^{2} (x - 1)^{4}}$$

Sequence: A323724
Score: 13.6041
Type of gen. func.: ogf

$$\frac{2 x^{2} (x^{3} + 3 x^{2} + x + 1)}{(x + 1)^{2} (x - 1)^{4}}$$

Sequence: A323724
Score: 4.27759
Type of gen. func.: ogf

{a(n + 6) - 2 a(n + 5) - a(n + 4) + 4 a(n + 3) - a(n + 2) - 2 a(n + 1) + a(n),

a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 6, a(4) = 20, a(5) = 40}

Sequence: A323735
Score: 11.0351
Type of gen. func.: ogf

$$\frac{x^4 + 1}{(x^2 + x + 1)\,(x^2 - x + 1)\,(x - 1)^2}$$

Sequence: A323735
Score: 12.3145
Type of gen. func.: ogf

$$\frac{x^4 + 1}{(x^2 + x + 1)\,(x^2 - x + 1)\,(x - 1)^2}$$

Sequence: A323735
Score: 4.37989
Type of gen. func.: ogf

{a(n + 6) - 2 a(n + 5) + 2 a(n + 4) - 2 a(n + 3) + 2 a(n + 2) - 2 a(n + 1)

+ a(n), a(0) = 1, a(1) = 2, a(2) = 2, a(3) = 2, a(4) = 3, a(5) = 4}

Sequence: A323770
Score: 13.1369
Type of gen. func.: lgdegf]

$$- \frac{x^2 - 5\,x + 5}{(x - 2)\,(x - 1)^2}$$

Sequence: A323798
Score: 10.302
Type of gen. func.: ogf

$$\frac{x\,(x^2 - 3)}{(x^2 + x - 1)\,(x^5 - 2\,x^3 - 2\,x + 1)}$$

Sequence: A323798
Score: 11.4964
Type of gen. func.: ogf

$$\frac{x\,(x^2 - 3)}{(x^2 + x - 1)\,(x^5 - 2\,x^3 - 2\,x + 1)}$$

Sequence: A323812
Score: 4.68638
Type of gen. func.: ogf

$$\{-a(n + 6) + 2\,a(n + 5) + 2\,a(n + 4) - 4\,a(n + 3) - 2\,a(n + 2) + 2\,a(n + 1) + a(n),\ a(0) = 1,\ a(1) = 3,\ a(2) = 5,\ a(3) = 10,\ a(4) = 19,\ a(5) = 35\}$$

Sequence: A323812
Score: 9.14077
Type of gen. func.: ogf

$$-\frac{x^5 + 3\,x^4 - 2\,x^3 - 3\,x^2 + x + 1}{(x - 1)\,(x + 1)\,(x^2 + x - 1)^2}$$

Sequence: A323812
Score: 9.92707
Type of gen. func.: ogf

$$-\frac{x^5 + 3\,x^4 - 2\,x^3 - 3\,x^2 + x + 1}{(x - 1)\,(x + 1)\,(x^2 + x - 1)^2}$$

Sequence: A323824
Score: 14.658
Type of gen. func.: ogf

$$-\frac{5 x - 6}{(4 x - 1) (x - 1)}$$

Sequence: A323824
Score: 17.5181
Type of gen. func.: ogf

$$-\frac{5 x - 6}{(4 x - 1) (x - 1)}$$

Sequence: A323824
Score: 8.16182
Type of gen. func.: ogf

$$(77 f(x) + 163) (4 f(x) x^2 - 5 f(x) x + f(x) + 5 x - 6)$$

Sequence: A323824
Score: 9.57654
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - 4 a(n), a(0) = 6, a(1) = 25\}$$

Sequence: A323847
Score: 13.2855
Type of gen. func.: ogf

$$-\frac{x^4 - 6 x^3 + 10 x^2 - 5 x + 1}{(x - 1)^5}$$

Sequence: A323847
Score: 15.2538
Type of gen. func.: ogf

$$-\frac{x^4 - 6 x^3 + 10 x^2 - 5 x + 1}{(x - 1)^5}$$

Sequence: A323847
Score: 4.99214
Type of gen. func.: ogf

{a(n + 5) - 5 a(n + 4) + 10 a(n + 3) - 10 a(n + 2) + 5 a(n + 1) - a(n),

a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 4, a(4) = 16}

Sequence: A323936
Score: 10.5981
Type of gen. func.: ogf

$$\frac{(x - 1) (3 x^3 - x^2 - 2 x + 1)}{(2 x^2 - 1) (2 x - 1)^2}$$

Sequence: A323936
Score: 4.71787
Type of gen. func.: ogf

{-a(n + 5) + 4 a(n + 4) - 2 a(n + 3) - 8 a(n + 2) + 8 a(n + 1), a(0) = 1,

a(1) = 1, a(2) = 3, a(3) = 6, a(4) = 15}

Sequence: A323936
Score: 5.0087
Type of gen. func.: ogf

$$(1 + 10 f(x)) (8 f(x) x^4 - 8 f(x) x^3 - 3 x^4 - 2 f(x) x^2 + 4 x^3 + 4 f(x) x + x^2$$

$$- f(x) - 3 x + 1)$$

Sequence: A323936
Score: 9.49702
Type of gen. func.: ogf

$$\frac{(x - 1) (3 x^3 - x^2 - 2 x + 1)}{(2 x^2 - 1) (2 x - 1)^2}$$

Sequence: A323939
Score: 7.3497
Type of gen. func.: ogf

$$- \frac{x (x^7 - 2 x^6 + 3 x^5 - 22 x^4 + x^3 + 14 x^2 - x - 2)}{(x + 1)^2 (3 x^2 - 1)^2 (x - 1)^4}$$

Sequence: A323939
Score: 7.87941
Type of gen. func.: ogf

$$- \frac{x (x^7 - 2 x^6 + 3 x^5 - 22 x^4 + x^3 + 14 x^2 - x - 2)}{(x + 1)^2 (3 x^2 - 1)^2 (x - 1)^4}$$

Sequence: A323941
Score: 5.71235
Type of gen. func.: ogf

$$- (72 x^{10} - 387 x^9 + 663 x^8 - 672 x^7 + 402 x^6 + 22 x^5 - 250 x^4 + 192 x^3 - 70 x^2 + 13 x - 1) / ((3 x^2 - 1)^2 (-1 + 3 x)^4 (x - 1)^4)$$

Sequence: A323941
Score: 6.02536
Type of gen. func.: ogf

$$- (72 x^{10} - 387 x^9 + 663 x^8 - 672 x^7 + 402 x^6 + 22 x^5 - 250 x^4 + 192 x^3 - 70 x^2 + 13 x - 1) / ((3 x^2 - 1)^2 (-1 + 3 x)^4 (x - 1)^4)$$

Sequence: A323950
Score: 3.78205
Type of gen. func.: ogf

$$\{-a(n+8) + 4\,a(n+7) - 6\,a(n+6) + 5\,a(n+5) - 3\,a(n+4) + a(n+3),$$

$$a(0) = 1,\ a(1) = 1,\ a(2) = 1,\ a(3) = 2,\ a(4) = 6,\ a(5) = 12,\ a(6) = 23,$$

$$a(7) = 44\}$$

Sequence: A323950
Score: 7.32122
Type of gen. func.: ogf

$$\frac{x^7 - 3\,x^6 + 3\,x^5 - 2\,x^4 + x^3 - 3\,x^2 + 3\,x - 1}{(x^3 - x^2 + 2\,x - 1)\,(x - 1)^2}$$

Sequence: A323950
Score: 7.90112
Type of gen. func.: ogf

$$\frac{x^7 - 3\,x^6 + 3\,x^5 - 2\,x^4 + x^3 - 3\,x^2 + 3\,x - 1}{(x^3 - x^2 + 2\,x - 1)\,(x - 1)^2}$$

Sequence: A323951
Score: 10.8611
Type of gen. func.: ogf

$$\frac{x^7 - 2\,x^6 + x^3 - 3\,x^2 + 3\,x - 1}{(x^3 + x - 1)\,(x - 1)^2}$$

Sequence: A323951
Score: 9.83889
Type of gen. func.: ogf

$$\frac{x^7 - 2\,x^6 + x^3 - 3\,x^2 + 3\,x - 1}{(x^3 + x - 1)\,(x - 1)^2}$$

Sequence: A323967
Score: 10.1155
Type of gen. func.: ogf

$$-\frac{x^7 - 5 x^6 + 7 x^5 + 3 x^4 - 17 x^3 + 18 x^2 - 6 x + 1}{(x - 1)^7}$$

Sequence: A323967
Score: 9.18534
Type of gen. func.: ogf

$$-\frac{x^7 - 5 x^6 + 7 x^5 + 3 x^4 - 17 x^3 + 18 x^2 - 6 x + 1}{(x - 1)^7}$$

Sequence: A323968
Score: 7.31655
Type of gen. func.: ogf

$$-\frac{2 x^9 - 15 x^8 + 47 x^7 - 78 x^6 + 65 x^5 - 10 x^4 - 26 x^3 + 25 x^2 - 6 x + 1}{(x - 1)^9}$$

Sequence: A323968
Score: 7.90188
Type of gen. func.: ogf

$$-\frac{2 x^9 - 15 x^8 + 47 x^7 - 78 x^6 + 65 x^5 - 10 x^4 - 26 x^3 + 25 x^2 - 6 x + 1}{(x - 1)^9}$$

Sequence: A323969
Score: 5.75456
Type of gen. func.: ogf

11 10 9 8 7 6 5 4 3

$$-(3x - 29x + 125x - 314x + 501x - 517x + 323x - 84x - 20x + 30x^{2} - 5x + 1) \,/\, (x-1)^{11}$$

Sequence: A323969
Score: 6.11993
Type of gen. func.: ogf

$$-(3x^{11} - 29x^{10} + 125x^{9} - 314x^{8} + 501x^{7} - 517x^{6} + 323x^{5} - 84x^{4} - 20x^{3} + 30x^{2} - 5x + 1) \,/\, (x-1)^{11}$$

Sequence: A323970
Score: 4.65893
Type of gen. func.: ogf

$$-(4x^{13} - 47x^{12} + 253x^{11} - 822x^{10} + 1788x^{9} - 2728x^{8} + 2958x^{7} - 2253x^{6} + 1145x^{5} - 308x^{4} + 21x^{3} + 33x^{2} - 3x + 1) \,/\, (x-1)^{13}$$

Sequence: A323970
Score: 4.90095
Type of gen. func.: ogf

$$-(4x^{13} - 47x^{12} + 253x^{11} - 822x^{10} + 1788x^{9} - 2728x^{8} + 2958x^{7} - 2253x^{6} + 1145x^{5} - 308x^{4} + 21x^{3} + 33x^{2} - 3x + 1) \,/\, (x-1)^{13}$$

Sequence: A323978
Score: 8.92267
Type of gen. func.: lgdogf

$$\frac{24x(6x^{4} + 6x^{3} + 7x^{2} + 3x + 1)}{(x-1)(x+1)(x^{2}+1)(x^{2}+x+1)}$$

Sequence: A323979
Score: 5.5869
Type of gen. func.: lgdogf

$$\frac{120 x (10 x^{8} + 20 x^{7} + 31 x^{6} + 34 x^{5} + 31 x^{4} + 21 x^{3} + 11 x^{2} + 4 x + 1)}{(x + 1) (x - 1) (x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{2} + 1)}$$

Sequence: A323980
Score: 6.69865
Type of gen. func.: lgdogf

$$\frac{12 (6 x^{5} + 3 x^{4} + 3 x^{3} + 5 x^{2} + 3 x + 3)}{(x - 1) (x + 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A323988
Score: 3.58742
Type of gen. func.: ogf

$$\{-a(n + 4) n + 2 a(n + 3) n + 4 a(n + 2) n - 8 a(n + 1) n - 4 a(n + 4) + 8 a(n + 3) + 12 a(n + 2) - 24 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 10\}$$

Sequence: A323988
Score: 5.48804
Type of gen. func.: ogf

$$16 f(x)^{2} x^{4} - 16 f(x)^{2} x^{3} + 8 f(x) x^{3} + 4 f(x)^{2} x - 4 f(x) x^{2} - f(x)^{2} - 2 f(x) x + x^{2} + f(x)$$

Sequence: A324001
Score: 7.26785
Type of gen. func.: ogf

$$- \frac{6 x^{7} + 8 x^{6} + 3 x^{5} + 12 x^{4} + 3 x^{3} + 8 x^{2} + 6 x + 6}{^{2} \qquad ^{4}}$$

$(x - 1) (x + 1) (x + 1) (x + 1)$

Sequence: A324001
Score: 7.74443
Type of gen. func.: ogf

$$-\frac{6x^7+8x^6+3x^5+12x^4+3x^3+8x^2+6x+6}{(x-1)(x+1)(x^2+1)(x^4+1)}$$

Sequence: A324002
Score: 4.43727
Type of gen. func.: ogf

$$-(4x^{11}+3x^{10}+12x^9+3x^8+4x^7+18x^6+4x^5+3x^4+12x^3+3x^2+4x+9) \Big/ ((x-1)(x+1)(x^2+x+1)(x^2-x+1)(x^2+1)(x^4-x^2+1))$$

Sequence: A324002
Score: 4.60959
Type of gen. func.: ogf

$$-(4x^{11}+3x^{10}+12x^9+3x^8+4x^7+18x^6+4x^5+3x^4+12x^3+3x^2+4x+9) \Big/ ((x-1)(x+1)(x^2+x+1)(x^2-x+1)(x^2+1)(x^4-x^2+1))$$

Sequence: A324015
Score: 11.4685
Type of gen. func.: ogf

$$\frac{x(x^3-x^2+1)}{(x-1)(x^2+x-1)}$$

Sequence: A324015
Score: 12.9726
Type of gen. func.: ogf

$$\frac{x (x^3 - x^2 + 1)}{(x - 1) (x^2 + x - 1)}$$

Sequence: A324015
Score: 6.7635
Type of gen. func.: ogf

{a(n + 5) - 2 a(n + 4) + a(n + 2), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 3,

    a(4) = 6}

Sequence: A324015
Score: 8.07479
Type of gen. func.: ogf

$$(55 f(x) + 9) (f(x) x^3 - x^4 + x^3 - 2 f(x) x + f(x) - x)$$

Sequence: A324036
Score: 5.61179
Type of gen. func.: ogf

$$\frac{x^7 + x^6 + 7 x^5 + 5 x^4 + 11 x^3 + x^2 + 5 x + 1}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A324036
Score: 6.05193
Type of gen. func.: ogf

$$\frac{x^7 + x^6 + 7 x^5 + 5 x^4 + 11 x^3 + x^2 + 5 x + 1}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A324128
Score: 10.2816
Type of gen. func.: ogf

$$\frac{2 (x^5 - x^4 - 2 x^3 + x^2 + x - 1)}{(x - 1) (x + 1) (x^2 + x - 1)^2}$$

Sequence: A324128
Score: 4.85375
Type of gen. func.: ogf

{-a(n + 6) + 2 a(n + 5) + 2 a(n + 4) - 4 a(n + 3) - 2 a(n + 2) + 2 a(n + 1)

+ a(n), a(0) = 2, a(1) = 2, a(2) = 6, a(3) = 12, a(4) = 26, a(5) = 50}

Sequence: A324128
Score: 9.46722
Type of gen. func.: ogf

$$\frac{2 (x^5 - x^4 - 2 x^3 + x^2 + x - 1)}{(x - 1) (x + 1) (x^2 + x - 1)^2}$$

Sequence: A324129
Score: 3.96747
Type of gen. func.: ogf

{-a(n + 6) + 2 a(n + 5) + 2 a(n + 4) - 4 a(n + 3) - 2 a(n + 2) + 2 a(n + 1)

+ a(n), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 6, a(4) = 13, a(5) = 25}

Sequence: A324129
Score: 8.01674
Type of gen. func.: ogf

$$\frac{x^5 - x^4 - 2 x^3 + x^2 + x - 1}{(x - 1) (x + 1) (x^2 + x - 1)^2}$$

Sequence: A324129
Score: 8.73734
Type of gen. func.: ogf

$$\frac{x^5 - x^4 - 2 x^3 + x^2 + x - 1}{(x - 1) (x + 1) (x^2 + x - 1)^2}$$

Sequence: A324151
Score: 14.739
Type of gen. func.: ogf

$$\mathrm{hypergeom}([1/3, 2/3], [3], 27 x)$$

Sequence: A324151
Score: 4.30965
Type of gen. func.: ogf

$$\{a(n + 2) n^2 - 27 a(n + 1) n^2 + 6 a(n + 2) n - 81 a(n + 1) n + 8 a(n + 2) - 60 a(n + 1), a(0) = 1, a(1) = 2\}$$

Sequence: A324152
Score: 3.01357
Type of gen. func.: ogf

$$\{-256 a(n) n^3 + a(n + 1) n^3 - 384 a(n) n^2 + 6 a(n + 1) n^2 - 176 a(n) n + 9 a(n + 1) n - 24 a(n) + 4 a(n + 1), a(0) = 1, a(1) = 3\}$$

Sequence: A324152
Score: 7.83529
Type of gen. func.: ogf

$$1/2 + 1/2 \mathrm{hypergeom}([1/4, 1/2, 3/4], [1, 4], 256 x)$$

Sequence: A324160
Score: 10.277
Type of gen. func.: ogf

$$\frac{1}{(x+1)\left(x^{4}+x^{3}+x^{2}+x+1\right)\left(x^{4}-x^{3}+x^{2}-x+1\right)(x-1)^{2}}$$

Sequence: A324160
Score: 9.49396
Type of gen. func.: ogf

$$\frac{1}{(x+1)\left(x^{4}+x^{3}+x^{2}+x+1\right)\left(x^{4}-x^{3}+x^{2}-x+1\right)(x-1)^{2}}$$

Sequence: A324161
Score: 7.9987
Type of gen. func.: ogf

$$\frac{x\left(x^{2}+x+1\right)\left(x^{6}+x^{3}+1\right)}{(x+1)\left(x^{4}+x^{3}+x^{2}+x+1\right)\left(x^{4}-x^{3}+x^{2}-x+1\right)(x-1)^{2}}$$

Sequence: A324161
Score: 8.44001
Type of gen. func.: ogf

$$\frac{x\left(x^{2}+x+1\right)\left(x^{6}+x^{3}+1\right)}{(x+1)\left(x^{4}+x^{3}+x^{2}+x+1\right)\left(x^{4}-x^{3}+x^{2}-x+1\right)(x-1)^{2}}$$

Sequence: A324167
Score: 6.94749
Type of gen. func.: ogf

$$3\,f(x)^{2}\,x^{2}+f(x)^{3}-5\,f(x)^{2}\,x-f(x)^{2}+5\,f(x)\,x-f(x)+1$$

Sequence: A324168
Score: 4.80181
Type of gen. func.: ogf

$$f(x)^3 x^3 - 3 f(x)^3 x^2 + 3 f(x)^3 x - 7 f(x)^2 x^2 - f(x)^3 + 3 f(x)^2 x + f(x)^2$$
$$- 6 f(x) x + f(x) - 1$$

Sequence: A324169
Score: 5.33752
Type of gen. func.: ogf

$$-f(x)^2 x^3 - 3 f(x)^2 x^2 - 3 f(x)^2 x + 3 f(x) x^2 - f(x)^2 + 7 f(x) x + 2 f(x)$$
$$- 4 x - 1$$

Sequence: A324169
Score: 7.76906
Type of gen. func.: ogf

$$- \frac{-3 x^2 + (-x^2 (7 x^2 + 10 x - 1))^{1/2} - 7 x - 2}{2 (x + 1)^3}$$

Sequence: A324172
Score: 19.8579
Type of gen. func.: ogf

$$\frac{2 x^4}{(2 x - 1) (x - 1)^3}$$

Sequence: A324172
Score: 24.672
Type of gen. func.: ogf

$$\frac{2 x^4}{(2 x - 1) (x - 1)^3}$$

Sequence: A324172
Score: 5.42783
Type of gen. func.: ogf

{-a(n + 5) + 5 a(n + 4) - 9 a(n + 3) + 7 a(n + 2) - 2 a(n + 1), a(0) = 0,

a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 2}

Sequence: A324172
Score: 7.20509
Type of gen. func.: ogf

$$f(x) (2 f(x) x^4 - 7 f(x) x^3 - 2 x^4 + 9 f(x) x^2 - 5 f(x) x + f(x))$$

Sequence: A324174
Score: 12.5828
Type of gen. func.: ogf

$$- \frac{2 (2 x^2 + x + 1)}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A324174
Score: 14.3488
Type of gen. func.: ogf

$$- \frac{2 (2 x^2 + x + 1)}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A324221
Score: 5.57036
Type of gen. func.: ogf

$$\frac{x (x^{10} - x^9 - x^8 + 4 x^7 + 6 x^5 - x^4 + 4 x^3 - x^2 + 3 x + 1)}{(x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^6}$$

Sequence: A324221
Score: 5.88418
Type of gen. func.: ogf

$$\frac{x\,(x^{10} - x^{9} - x^{8} + 4\,x^{7} + 6\,x^{5} - x^{4} + 4\,x^{3} - x^{2} + 3\,x + 1)}{(x^{2} + 1)\,(x^{2} + x + 1)\,(x + 1)^{2}\,(x - 1)^{6}}$$

Sequence: A324245
Score: 10.1812
Type of gen. func.: ogf

$$\frac{x\,(x^{6} + x^{5} + 4\,x^{4} + 3\,x^{3} + 5\,x^{2} + 2)}{(x - 1)^{2}\,(x + 1)^{2}\,(x^{2} + 1)^{2}}$$

Sequence: A324245
Score: 11.057
Type of gen. func.: ogf

$$\frac{x\,(x^{6} + x^{5} + 4\,x^{4} + 3\,x^{3} + 5\,x^{2} + 2)}{(x - 1)^{2}\,(x + 1)^{2}\,(x^{2} + 1)^{2}}$$

Sequence: A324265
Score: 15.1459
Type of gen. func.: ogf

$$\{a(n + 1) - 343\,a(n),\ a(0) = 5\}$$

Sequence: A324265
Score: 16.2026
Type of gen. func.: ogf

$$-343\,f(x)\,x + f(x) - 5$$

Sequence: A324265
Score: 25.8041
Type of gen. func.: ogf

$$-\frac{5}{343\,x - 1}$$

Sequence: A324265
Score: 36.669
Type of gen. func.: ogf

$$-\frac{5}{343 x - 1}$$

Sequence: A324266
Score: 16.5586
Type of gen. func.: ogf

{a(n + 1) - 49 a(n), a(0) = 2}

Sequence: A324266
Score: 17.7413
Type of gen. func.: ogf

$$-49 f(x) x + f(x) - 2$$

Sequence: A324266
Score: 28.659
Type of gen. func.: ogf

$$-\frac{2}{49 x - 1}$$

Sequence: A324266
Score: 41.3964
Type of gen. func.: ogf

$$-\frac{2}{49 x - 1}$$

Sequence: A324267
Score: 12.9193
Type of gen. func.: ogf

$$\{a(n + 1) - 16807 a(n), a(0) = 11\}$$

Sequence: A324267
Score: 13.7618
Type of gen. func.: ogf

$$-16807 f(x) x + f(x) - 11$$

Sequence: A324267
Score: 21.1015
Type of gen. func.: ogf

$$-\frac{11}{16807 x - 1}$$

Sequence: A324267
Score: 28.7747
Type of gen. func.: ogf

$$-\frac{11}{16807 x - 1}$$

Sequence: A324268
Score: 12.2958
Type of gen. func.: ogf

$$\{a(n + 1) - 161051 a(n), a(0) = 31\}$$

Sequence: A324268
Score: 13.0806
Type of gen. func.: ogf

$$-161051 f(x) x + f(x) - 31$$

Sequence: A324268
Score: 19.8319
Type of gen. func.: ogf

31

```
- ------------
  161051 x - 1
```

Sequence: A324268
Score: 26.73
Type of gen. func.: ogf

$$-\frac{31}{161051 x - 1}$$

Sequence: A324269
Score: 14.7765
Type of gen. func.: ogf

$$\{a(n + 1) - 121 a(n), a(0) = 3\}$$

Sequence: A324269
Score: 15.8075
Type of gen. func.: ogf

$$-121 f(x) x + f(x) - 3$$

Sequence: A324269
Score: 25.1748
Type of gen. func.: ogf

$$-\frac{3}{121 x - 1}$$

Sequence: A324269
Score: 35.7748
Type of gen. func.: ogf

$$-\frac{3}{121 x - 1}$$

Sequence: A324270
Score: 13.5853
Type of gen. func.: ogf

$$\{a(n + 1) - 823543\, a(n),\ a(0) = 13\}$$

Sequence: A324270
Score: 14.4524
Type of gen. func.: ogf

$$-823543\, f(x)\, x + f(x) - 13$$

Sequence: A324270
Score: 21.9117
Type of gen. func.: ogf

$$-\frac{13}{823543\, x - 1}$$

Sequence: A324270
Score: 29.5332
Type of gen. func.: ogf

$$-\frac{13}{823543\, x - 1}$$

Sequence: A324272
Score: 15.5419
Type of gen. func.: ogf

$$\{a(n + 1) - 169\, a(n),\ a(0) = 2\}$$

Sequence: A324272
Score: 16.6262
Type of gen. func.: ogf

$$-169\, f(x)\, x + f(x) - 2$$

Sequence: A324272
Score: 26.4787
Type of gen. func.: ogf

$$-\frac{2}{169x-1}$$

Sequence: A324272
Score: 37.6276
Type of gen. func.: ogf

$$-\frac{2}{169x-1}$$

Sequence: A324275
Score: 7.65728
Type of gen. func.: ogf

$$-\frac{x^6-x^5+6x^3+3x^2+7x+2}{(x^2+1)(x+1)^2(x-1)^3}$$

Sequence: A324275
Score: 8.34558
Type of gen. func.: ogf

$$-\frac{x^6-x^5+6x^3+3x^2+7x+2}{(x^2+1)(x+1)^2(x-1)^3}$$

Sequence: A324311
Score: 11.4521
Type of gen. func.: revogf

x hypergeom([1/2, 1/2], [2], 16 x)

Sequence: A324313
Score: 11.4427
Type of gen. func.: revogf

x hypergeom([1/3, 2/3], [2], 27 x)

Sequence: A324352
Score: 11.0801
Type of gen. func.: egf]

$$-\frac{(\exp(x) - 1)\exp(-x)}{(x - 1)^{3}}$$

Sequence: A324352
Score: 2.65053
Type of gen. func.: ogf

$$\{-a(n + 2) n^{2} - a(n + 1) n^{2} + 2 a(n + 3) n - 7 a(n + 2) n - 6 a(n + 1) n - a(n + 4) + 9 a(n + 3) - 13 a(n + 2) - 8 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 5, a(3) = 28\}$$

Sequence: A324353
Score: 14.3527
Type of gen. func.: egf]

$$-\frac{-1 + \exp(-x)}{(x - 1)^{4}}$$

Sequence: A324353
Score: 2.73652
Type of gen. func.: ogf

$$\{a(n + 2) n^{2} + a(n + 1) n^{2} - 2 a(n + 3) n + 9 a(n + 2) n + 7 a(n + 1) n + a(n + 4) - 11 a(n + 3) + 22 a(n + 2) + 10 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 7, a(3) = 49\}$$

Sequence: A324354
Score: 16.1698
Type of gen. func.: egf]

$$\frac{-1 + \exp(-x)}{{}^{5}}$$

```
                                       (x - 1)
```

Sequence: A324354
Score: 2.82031
Type of gen. func.: ogf

```
            2             2
{-a(n + 2) n  - a(n + 1) n  + 2 a(n + 3) n - 11 a(n + 2) n - 8 a(n + 1) n

     - a(n + 4) + 13 a(n + 3) - 33 a(n + 2) - 12 a(n + 1), a(0) = 0, a(1) = 1,

    a(2) = 9, a(3) = 76}
```

Sequence: A324355
Score: 13.9393
Type of gen. func.: egf]

```
                                      -1 + exp(-x)
                                    - ------------
                                                6
                                        (x - 1)
```

Sequence: A324356
Score: 15.5112
Type of gen. func.: egf]

```
                                     -1 + exp(-x)
                                     ------------
                                               7
                                       (x - 1)
```

Sequence: A324357
Score: 14.673
Type of gen. func.: egf]

```
                                      -1 + exp(-x)
                                    - ------------
                                                8
                                        (x - 1)
```

Sequence: A324358
Score: 16.3101
Type of gen. func.: egf]

```
                                     -1 + exp(-x)
                                     ------------
```

```
                                9
                         (x - 1)



-----------------------------------------------------------------------------

Sequence:  A324359
Score: 13.25
Type of gen. func.: egf]


                          -1 + exp(-x)
                       - ------------
                                 10
                          (x - 1)



-----------------------------------------------------------------------------

Sequence:  A324360
Score: 14.7222
Type of gen. func.: egf]


                         -1 + exp(-x)
                         ------------
                                11
                          (x - 1)



-----------------------------------------------------------------------------

Sequence:  A324434
Score: 24.1942
Type of gen. func.: ogf


                                    3
                         -(f(x) - 1)



-----------------------------------------------------------------------------

Sequence:  A324435
Score: 22.8615
Type of gen. func.: ogf


                                    3
                         -(f(x) - 1)



-----------------------------------------------------------------------------

Sequence:  A324471
Score: 8.15196
Type of gen. func.: ogf


                 2      8    7    6    5    4      3      2
                x  (10 x  - x  - x  - x  - x  + 4 x  - 2 x  + x + 1)
              - ----------------------------------------------------
                                        x - 1
```

Sequence: A324471
Score: 8.87657
Type of gen. func.: ogf

$$-\frac{x^{2} (10 x^{8} - x^{7} - x^{6} - x^{5} - x^{4} + 4 x^{3} - 2 x^{2} + x + 1)}{x - 1}$$

Sequence: A324478
Score: 10.1437
Type of gen. func.: ogf

$$\mathrm{hypergeom}([1/4, 1/2, 3/4], [1, 4], 256 x)$$

Sequence: A324478
Score: 2.57965
Type of gen. func.: ogf

$$\{-a(n + 2) n^{3} + 256 a(n + 1) n^{3} - 9 a(n + 2) n^{2} + 1152 a(n + 1) n^{2} - 24 a(n + 2) n + 1712 a(n + 1) n - 20 a(n + 2) + 840 a(n + 1), a(0) = 1, a(1) = 6\}$$

Sequence: A324483
Score: 7.31391
Type of gen. func.: ogf

$$\frac{(x^{2} + x - 1)^{2} (x^{2} - x - 1)^{2}}{(x^{2} - 3 x + 1) (x - 1)^{2} (x + 1)^{4}}$$

Sequence: A324483
Score: 8.00228
Type of gen. func.: ogf

$$\frac{(x^{2} + x - 1)^{2} (x^{2} - x - 1)^{2}}{(x^{2} - 3 x + 1) (x - 1)^{2} (x + 1)^{4}}$$

Sequence: A324487
Score: 3.80401
Type of gen. func.: ogf

$$x (x^2 + 1) (x^8 + 3 x^7 + 47 x^6 + 96 x^5 + 104 x^4 - 96 x^3 + 47 x^2 - 3 x + 1) / ((x + 1) (x - 1) (x^2 + 3 x + 1) (x^2 - 3 x + 1) (x^2 + x - 1) (x^2 + 4 x - 1) (x^2 - x - 1))$$

Sequence: A324487
Score: 3.94296
Type of gen. func.: ogf

$$x (x^2 + 1) (x^8 + 3 x^7 + 47 x^6 + 96 x^5 + 104 x^4 - 96 x^3 + 47 x^2 - 3 x + 1) / ((x + 1) (x - 1) (x^2 + 3 x + 1) (x^2 - 3 x + 1) (x^2 + x - 1) (x^2 + 4 x - 1) (x^2 - x - 1))$$

Sequence: A324560
Score: 12.6979
Type of gen. func.: ogf

$$- \frac{x^4 - 2 x^2 - 2}{(x^2 + 1) (x - 1)^2}$$

Sequence: A324560
Score: 14.48
Type of gen. func.: ogf

$$- \frac{x^4 - 2 x^2 - 2}{(x^2 + 1) (x - 1)^2}$$

Sequence: A324560

Score: 5.35949
Type of gen. func.: ogf

$$\{-a(n + 5) + 2 a(n + 4) - 2 a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 2, a(1) = 4, a(2) = 6, a(3) = 8, a(4) = 9\}$$

Sequence: A324560
Score: 7.43569
Type of gen. func.: ogf

$$f(x) x^4 - 2 f(x) x^3 + x^4 + 2 f(x) x^2 - 2 f(x) x - 2 x^2 + f(x) - 2$$

Sequence: A324591
Score: 28.1485
Type of gen. func.: lgdegf]

$$2 x^2 + 2 x + 2$$

Sequence: A324591
Score: 3.84467
Type of gen. func.: ogf

$$\{-2 a(n + 1) n^2 - 2 a(n + 2) n - 10 a(n + 1) n - 2 a(n + 3) - 6 a(n + 2) - 12 a(n + 1) + a(n + 4), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 24\}$$

Sequence: A324631
Score: 4.56018
Type of gen. func.: ogf

$$\{a(n + 5) - 2 a(n + 4) - a(n + 3) + a(n + 2) + 2 a(n + 1) + a(n), a(0) = 15, a(1) = 31, a(2) = 60, a(3) = 113, a(4) = 215\}$$

Sequence: A324631
Score: 7.7207
Type of gen. func.: ogf

$$- \frac{10 x^4 + 23 x^3 + 17 x^2 - x - 15}{}$$

$$(x^2 + x - 1) (x^3 + x^2 + x - 1)$$

Sequence: A324631
Score: 8.38484
Type of gen. func.: ogf

$$- \frac{10 x^4 + 23 x^3 + 17 x^2 - x - 15}{(x^2 + x - 1) (x^3 + x^2 + x - 1)}$$

Sequence: A324651
Score: 5.31311
Type of gen. func.: ogf

$$(x - 1) (6 x^2 + 2 x + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1) \Bigg/ \left((500 x^{12} + 100 x^9 + 20 x^6 + 4 x^3 + 1) (x^8 - x^7 + x^5 - x^4 + x^3 - x + 1) (7 x^{15} - 1)\right)$$

Sequence: A324651
Score: 5.52147
Type of gen. func.: ogf

$$(x - 1) (6 x^2 + 2 x + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + x + 1) \Bigg/ \left((500 x^{12} + 100 x^9 + 20 x^6 + 4 x^3 + 1) (x^8 - x^7 + x^5 - x^4 + x^3 - x + 1) (7 x^{15} - 1)\right)$$

Sequence: A324965
Score: 4.00717
Type of gen. func.: ogf

$$\frac{x (2 x^{36} + 3 x^{32} + 2 x^{28} + x^{24} + 8 x^{20} + 7 x^{16} + 2 x^{12} + 4 x^8 + 4 x^4 + 4)}{(x - 1) (x^{36} + 3 x^{32} + x^{24} - x^{20} - x^{16} - 2 x^{12} - 4)}$$

Sequence: A324965
Score: 4.20029
Type of gen. func.: ogf

$$\frac{x\,(2\,x^{36} + 3\,x^{32} + 2\,x^{28} + x^{24} + 8\,x^{20} + 7\,x^{16} + 2\,x^{12} + 4\,x^{8} + 4\,x^{4} + 4)}{(x - 1)\,(x^{36} + 3\,x^{32} + x^{24} - x^{20} - x^{16} - 2\,x^{12} - 4)}$$

Sequence: A324969
Score: 15.625
Type of gen. func.: ogf

$$\frac{(x - 1)\,(x + 1)}{x^{2} + x - 1}$$

Sequence: A324969
Score: 18.4028
Type of gen. func.: ogf

$$\frac{(x - 1)\,(x + 1)}{x^{2} + x - 1}$$

Sequence: A324969
Score: 8.80986
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + a(n + 1),\ a(0) = 1,\ a(1) = 1,\ a(2) = 1\}$$

Sequence: A324969
Score: 9.74267
Type of gen. func.: ogf

$$-f(x)\,(f(x)\,x^{2} + f(x)\,x - x^{2} - f(x) + 1)$$

Sequence: A325138

Score: 10.3079
Type of gen. func.: lgdegf]

$$\frac{-x - \ln(x - 1) + 2 + \pi I}{(x - 1)^2}$$

Sequence: A325140
Score: 8.44163
Type of gen. func.: lgdegf]

$$\frac{(\pi + \ln(x - 1) I + 2 I x - 3 I) I}{(x - 1)^2}$$

Sequence: A325153
Score: 10.4137
Type of gen. func.: ogf

{a(n + 3) - 11 a(n + 2) + 19 a(n + 1) - 9 a(n), a(0) = 1, a(1) = 5, a(2) = 33}

Sequence: A325153
Score: 21.0239
Type of gen. func.: ogf

$$\frac{3 x^2 + 6 x - 1}{(9 x - 1) (x - 1)^2}$$

Sequence: A325153
Score: 24.7615
Type of gen. func.: ogf

$$\frac{3 x^2 + 6 x - 1}{(9 x - 1) (x - 1)^2}$$

Sequence: A325153
Score: 9.36361
Type of gen. func.: ogf

$$(4192 f(x) + 2505) (9 f(x) x^{3} - 19 f(x) x^{2} + 11 f(x) x - 3 x^{2} - f(x) - 6 x + 1)$$

Sequence: A325156
Score: 12.4573
Type of gen. func.: revogf

$$- \frac{-4 x^{2} + (16 x^{4} + 16 x^{3} + 8 x^{2} + 1)^{1/2} - 2 x - 1}{2 (x + 1)}$$

Sequence: A325156
Score: 14.4567
Type of gen. func.: ogf

$$4 f(x)^{2} x^{2} - f(x) x^{2} + 2 f(x) x - f(x) - x + 1$$

Sequence: A325157
Score: 16.322
Type of gen. func.: ogf

$$4 f(x)^{3} x^{2} - f(x) x^{2} + 2 f(x) x - f(x) - x + 1$$

Sequence: A325168
Score: 10.5862
Type of gen. func.: ogf

$$- \frac{x^{3} (x^{4} - x^{3} - x^{2} - 2 x - 1)}{(x + 1) (x - 1)^{2}}$$

Sequence: A325168
Score: 11.8136
Type of gen. func.: ogf

$$- \frac{x^{3} (x^{4} - x^{3} - x^{2} - 2 x - 1)}{{}^{2}}$$

$$(x + 1) (x - 1)$$

Sequence: A325173
Score: 11.2607
Type of gen. func.: ogf

$$-\frac{9 (x + 1) (x^4 + 8 x^3 + 22 x^2 + 8 x + 1)}{(x - 1)^7}$$

Sequence: A325173
Score: 12.6257
Type of gen. func.: ogf

$$-\frac{9 (x + 1) (x^4 + 8 x^3 + 22 x^2 + 8 x + 1)}{(x - 1)^7}$$

Sequence: A325205
Score: 8.98684
Type of gen. func.: revegf]

$$\frac{720 x}{x^6 + 6 x^5 + 30 x^4 + 120 x^3 + 360 x^2 + 720 x + 720}$$

Sequence: A325206
Score: 7.68977
Type of gen. func.: revegf]

$$\frac{5040 x}{x^7 + 7 x^6 + 42 x^5 + 210 x^4 + 840 x^3 + 2520 x^2 + 5040 x + 5040}$$

Sequence: A325207
Score: 6.60096
Type of gen. func.: revegf]

40320 x/(

$$x^{8} + 8 x^{7} + 56 x^{6} + 336 x^{5} + 1680 x^{4} + 6720 x^{3} + 20160 x^{2} + 40320 x + 40320$$

$$)$$

Sequence: A325208
Score: 5.76117
Type of gen. func.: revegf]

$$362880 x/(x^{9} + 9 x^{8} + 72 x^{7} + 504 x^{6} + 3024 x^{5} + 15120 x^{4} + 60480 x^{3}$$

$$+ 181440 x^{2} + 362880 x + 362880)$$

Sequence: A325228
Score: 7.08797
Type of gen. func.: ogf

$$- \frac{x^{4} (x^{10} - x^{6} - 2 x^{5} - x^{4} + 2 x^{2} + 2 x + 1)}{(x + 1) (x^{2} + x + 1) (x - 1)^{3}}$$

Sequence: A325228
Score: 7.62291
Type of gen. func.: ogf

$$- \frac{x^{4} (x^{10} - x^{6} - 2 x^{5} - x^{4} + 2 x^{2} + 2 x + 1)}{(x + 1) (x^{2} + x + 1) (x - 1)^{3}}$$

Sequence: A325246
Score: 4.08708
Type of gen. func.: ogf

$$- \frac{2 x^{13} - x^{12} + 2 x^{11} - 4 x^{10} - x^{9} - 3 x^{8} - 2 x^{6} + 2 x^{5} + 2 x^{3} - x^{2} - 1}{(x + 1) (x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{2} + 1) (x - 1)^{4}}$$

Sequence: A325246
Score: 4.25649

Type of gen. func.: ogf

$$-\frac{2x^{13}-x^{12}+2x^{11}-4x^{10}-x^{9}-3x^{8}-2x^{6}+2x^{5}+2x^{3}-x^{2}-1}{(x+1)(x^{2}+x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{2}+1)(x-1)^{4}}$$

Sequence: A325260
Score: 6.34162
Type of gen. func.: ogf

$$-\frac{x^{9}+x^{8}+x^{7}-x^{6}+x^{5}+x^{2}+x+1}{(x^{2}+1)(x^{2}+x+1)(x+1)^{2}(x-1)^{3}}$$

Sequence: A325260
Score: 6.74748
Type of gen. func.: ogf

$$-\frac{x^{9}+x^{8}+x^{7}-x^{6}+x^{5}+x^{2}+x+1}{(x^{2}+1)(x^{2}+x+1)(x+1)^{2}(x-1)^{3}}$$

Sequence: A325282
Score: 10.6262
Type of gen. func.: ogf

$$-\frac{x(x^{41}+x^{13}+x^{6}+x^{3}+x^{2}+x+1)}{x-1}$$

Sequence: A325282
Score: 9.602
Type of gen. func.: ogf

$$-\frac{x(x^{41}+x^{13}+x^{6}+x^{3}+x^{2}+x+1)}{x-1}$$

Sequence: A325413
Score: 11.1342
Type of gen. func.: ogf

$$-\frac{x\,(x^{7}-x^{6}+2\,x^{4}-x^{3}-x-1)}{(x-1)^{2}}$$

Sequence: A325413
Score: 12.5045
Type of gen. func.: ogf

$$-\frac{x\,(x^{7}-x^{6}+2\,x^{4}-x^{3}-x-1)}{(x-1)^{2}}$$

Sequence: A325415
Score: 3.28133
Type of gen. func.: ogf

$$-(x^{15}+3\,x^{14}+4\,x^{13}+3\,x^{12}+x^{11}-2\,x^{10}-3\,x^{9}-5\,x^{8}-6\,x^{7}-6\,x^{6}-5\,x^{5}-5\,x^{4}-4\,x^{3}-3\,x^{2}-2\,x-1)\Big/\left((x+1)\,(x^{2}+x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x-1)^{2}\right)$$

Sequence: A325415
Score: 3.40342
Type of gen. func.: ogf

$$-(x^{15}+3\,x^{14}+4\,x^{13}+3\,x^{12}+x^{11}-2\,x^{10}-3\,x^{9}-5\,x^{8}-6\,x^{7}-6\,x^{6}-5\,x^{5}-5\,x^{4}-4\,x^{3}-3\,x^{2}-2\,x-1)\Big/\left((x+1)\,(x^{2}+x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x-1)^{2}\right)$$

Sequence: A325450
Score: 3.83583
Type of gen. func.: ogf

{a(n + 6) - 10 a(n + 2), a(0) = 9, a(1) = 18, a(2) = 45, a(3) = 90, a(4) = 180,

a(5) = 351}

Sequence: A325450
Score: 5.97791
Type of gen. func.: ogf

$$-\frac{9 (19 x^5 + 10 x^4 + 10 x^3 + 5 x^2 + 2 x + 1)}{10 x^4 - 1}$$

Sequence: A325450
Score: 6.671
Type of gen. func.: ogf

$$-\frac{9 (19 x^5 + 10 x^4 + 10 x^3 + 5 x^2 + 2 x + 1)}{10 x^4 - 1}$$

Sequence: A325473
Score: 4.97429
Type of gen. func.: ogf

{a(n + 6) - 3 a(n + 5) + 2 a(n + 4) + a(n + 2) - a(n + 1), a(0) = 1, a(1) = 1,

a(2) = 2, a(3) = 3, a(4) = 5, a(5) = 8}

Sequence: A325473
Score: 8.87884
Type of gen. func.: ogf

$$\frac{x^5 - x^4 + x^3 - x^2 + 2 x - 1}{(x^3 + x^2 + x - 1) (x - 1)^2}$$

Sequence: A325473
Score: 9.71449
Type of gen. func.: ogf

$$\frac{x^5 - x^4 + x^3 - x^2 + 2 x - 1}{(x^3 + x^2 + x - 1) (x - 1)^2}$$

Sequence: A325475
Score: 16.3615
Type of gen. func.: ogf

$$- \frac{576 x (x + 1)}{(x - 1)^3}$$

Sequence: A325475
Score: 20.1013
Type of gen. func.: ogf

$$- \frac{576 x (x + 1)}{(x - 1)^3}$$

Sequence: A325475
Score: 6.22606
Type of gen. func.: ogf

$$(f(x) + 144) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 576 x^2 - f(x) + 576 x)$$

Sequence: A325475
Score: 6.5143
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 576, a(2) = 2304\}$$

Sequence: A325482
Score: 4.93146
Type of gen. func.: egf]

$$\exp\left(\frac{x (x + 4)}{2}\right) x^2 + 4 \exp\left(\frac{x (x + 4)}{2}\right) x + 5 \exp\left(\frac{x (x + 4)}{2}\right) - 2 \exp(x)$$

Sequence: A325488
Score: 4.80609
Type of gen. func.: ogf

$$1/((x^2+x+1)(x^2-x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x-1)^2(x+1)^2)$$

Sequence: A325488
Score: 5.08674
Type of gen. func.: ogf

$$1/((x^2+x+1)(x^2-x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x-1)^2(x+1)^2)$$

Sequence: A325517
Score: 10.996
Type of gen. func.: ogf

$$-\frac{x(2x^4+3x^3+7x^2+3x+1)}{(x+1)^2(x-1)^5}$$

Sequence: A325517
Score: 12.2709
Type of gen. func.: ogf

$$-\frac{x(2x^4+3x^3+7x^2+3x+1)}{(x+1)^2(x-1)^5}$$

Sequence: A325656
Score: 10.8775
Type of gen. func.: ogf

4 3 2

$$-\frac{x\,(4\,x + 9\,x + 13\,x + 5\,x + 1)}{(x + 1)^{2}\,(x - 1)^{5}}$$

Sequence: A325656
Score: 12.1206
Type of gen. func.: ogf

$$-\frac{x\,(4\,x^{4} + 9\,x^{3} + 13\,x^{2} + 5\,x + 1)}{(x + 1)^{2}\,(x - 1)^{5}}$$

Sequence: A325657
Score: 12.3691
Type of gen. func.: ogf

$$-\frac{x\,(3\,x + 1)\,(x^{2} + 1)}{(x + 1)^{2}\,(x - 1)^{3}}$$

Sequence: A325657
Score: 13.9913
Type of gen. func.: ogf

$$-\frac{x\,(3\,x + 1)\,(x^{2} + 1)}{(x + 1)^{2}\,(x - 1)^{3}}$$

Sequence: A325657
Score: 5.20408
Type of gen. func.: ogf

$\{a(n + 5) - a(n + 4) - 2\,a(n + 3) + 2\,a(n + 2) + a(n + 1) - a(n),\ a(0) = 0,$

$a(1) = 1,\ a(2) = 4,\ a(3) = 7,\ a(4) = 16\}$

Sequence: A325686
Score: 7.89358
Type of gen. func.: ogf

$$-\frac{2 x^6 (5 x^3 + 3 x^2 + 3 x + 1)}{(x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A325686
Score: 8.54459
Type of gen. func.: ogf

$$-\frac{2 x^6 (5 x^3 + 3 x^2 + 3 x + 1)}{(x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A325688
Score: 9.00294
Type of gen. func.: ogf

$$-\frac{x^3 (5 x^4 + 4 x^3 + 2 x^2 + 1)}{(x^2 + x + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A325688
Score: 9.85027
Type of gen. func.: ogf

$$-\frac{x^3 (5 x^4 + 4 x^3 + 2 x^2 + 1)}{(x^2 + x + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A325689
Score: 13.7258
Type of gen. func.: ogf

$$-\frac{x^3 (4 x^2 - x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A325689
Score: 15.7976
Type of gen. func.: ogf

$$-\frac{x^3 (4 x^2 - x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A325689
Score: 4.65152
Type of gen. func.: ogf

{-a(n + 6) + a(n + 5) + 2 a(n + 4) - 2 a(n + 3) - a(n + 2) + a(n + 1), a(0) = 0,

a(1) = 0, a(2) = 0, a(3) = 1, a(4) = 0, a(5) = 6}

Sequence: A325690
Score: 7.53486
Type of gen. func.: ogf

$$-\frac{x^3 (x^4 + x^3 + x^2 + 1)}{(x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A325690
Score: 8.13168
Type of gen. func.: ogf

$$-\frac{x^3 (x^4 + x^3 + x^2 + 1)}{(x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A325691
Score: 8.78691
Type of gen. func.: ogf

$$\frac{x^3 (x^4 - x - 1)}{(x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A325691
Score: 9.61391
Type of gen. func.: ogf

$$\frac{x^{3} (x^{4} - x - 1)}{(x^{2} + 1) (x^{2} + x + 1) (x + 1)^{2} (x - 1)^{3}}$$

Sequence: A325695
Score: 8.28627
Type of gen. func.: ogf

$$- \frac{x^{7} (2 x^{2} + x + 1)}{(x^{2} + 1) (x^{2} + x + 1) (x + 1)^{2} (x - 1)^{3}}$$

Sequence: A325695
Score: 9.0311
Type of gen. func.: ogf

$$- \frac{x^{7} (2 x^{2} + x + 1)}{(x^{2} + 1) (x^{2} + x + 1) (x + 1)^{2} (x - 1)^{3}}$$

Sequence: A325696
Score: 8.2582
Type of gen. func.: ogf

$$- \frac{6 x^{7} (2 x^{2} + x + 1)}{(x^{2} + 1) (x^{2} + x + 1) (x + 1)^{2} (x - 1)^{3}}$$

Sequence: A325696
Score: 9.00051
Type of gen. func.: ogf

```
                    7     2
                 6 x  (2 x  + x + 1)
        - ----------------------------------------
              2        2                 2        3
```

$$(x + 1) (x + x + 1) (x + 1) (x - 1)$$

Sequence: A325734
Score: 5.97253
Type of gen. func.: ogf

$$\frac{19 x^6 + 54 x^5 + 87 x^4 + 84 x^3 + 48 x^2 + 15 x + 2}{7 x^6 + 21 x^5 + 35 x^4 + 35 x^3 + 21 x^2 + 7 x + 1}$$

Sequence: A325734
Score: 6.38801
Type of gen. func.: ogf

$$\frac{19 x^6 + 54 x^5 + 87 x^4 + 84 x^3 + 48 x^2 + 15 x + 2}{7 x^6 + 21 x^5 + 35 x^4 + 35 x^3 + 21 x^2 + 7 x + 1}$$

Sequence: A325735
Score: 4.91251
Type of gen. func.: ogf

$$- \frac{19 x^7 + 80 x^6 + 162 x^5 + 206 x^4 + 167 x^3 + 84 x^2 + 24 x + 3}{(x + 1) (7 x^6 + 21 x^5 + 35 x^4 + 35 x^3 + 21 x^2 + 7 x + 1)}$$

Sequence: A325735
Score: 5.18733
Type of gen. func.: ogf

$$- \frac{19 x^7 + 80 x^6 + 162 x^5 + 206 x^4 + 167 x^3 + 84 x^2 + 24 x + 3}{(x + 1) (7 x^6 + 21 x^5 + 35 x^4 + 35 x^3 + 21 x^2 + 7 x + 1)}$$

Sequence: A325739
Score: 5.03563
Type of gen. func.: ogf

$$\frac{22 x^7 + 84 x^6 + 168 x^5 + 210 x^4 + 168 x^3 + 84 x^2 + 24 x + 3}{(x + 1) (7 x^6 + 21 x^5 + 35 x^4 + 35 x^3 + 21 x^2 + 7 x + 1)}$$

Sequence: A325739
Score: 5.32545
Type of gen. func.: ogf

$$\frac{22 x^7 + 84 x^6 + 168 x^5 + 210 x^4 + 168 x^3 + 84 x^2 + 24 x + 3}{(x + 1) (7 x^6 + 21 x^5 + 35 x^4 + 35 x^3 + 21 x^2 + 7 x + 1)}$$

Sequence: A325740
Score: 4.97845
Type of gen. func.: ogf

$$\frac{44 x^7 + 172 x^6 + 342 x^5 + 424 x^4 + 337 x^3 + 168 x^2 + 48 x + 6}{(x + 1) (7 x^6 + 21 x^5 + 35 x^4 + 35 x^3 + 21 x^2 + 7 x + 1)}$$

Sequence: A325740
Score: 5.26091
Type of gen. func.: ogf

$$\frac{44 x^7 + 172 x^6 + 342 x^5 + 424 x^4 + 337 x^3 + 168 x^2 + 48 x + 6}{(x + 1) (7 x^6 + 21 x^5 + 35 x^4 + 35 x^3 + 21 x^2 + 7 x + 1)}$$

Sequence: A325741
Score: 5.09683
Type of gen. func.: ogf

$$\frac{11 x^7 + 40 x^6 + 78 x^5 + 94 x^4 + 72 x^3 + 34 x^2 + 9 x + 1}{(x + 1) (7 x^6 + 21 x^5 + 35 x^4 + 35 x^3 + 21 x^2 + 7 x + 1)}$$

Sequence: A325741

Score: 5.39886
Type of gen. func.: ogf

$$\frac{11 x^7 + 40 x^6 + 78 x^5 + 94 x^4 + 72 x^3 + 34 x^2 + 9 x + 1}{(x + 1) (7 x^6 + 21 x^5 + 35 x^4 + 35 x^3 + 21 x^2 + 7 x + 1)}$$

Sequence: A325789
Score: 2.64843
Type of gen. func.: ogf

$$(10 x^{31} - 10 x^{30} + 2 x^{21} - 2 x^{20} + 4 x^{13} - 4 x^{12} + 2 x^7 - 2 x^6 + x^3 - x^2 - 1)/(x - 1)$$

Sequence: A325829
Score: 6.18389
Type of gen. func.: ogf

$$- \frac{x (8 x^8 - 10 x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A325829
Score: 6.55308
Type of gen. func.: ogf

$$- \frac{x (8 x^8 - 10 x^7 - x^6 - x^5 - x^4 - x^3 - x^2 - x - 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A325846
Score: 5.8483
Type of gen. func.: ogf

$$\frac{22 x^6 + 66 x^5 + 108 x^4 + 106 x^3 + 63 x^2 + 21 x + 3}{7 x^6 + 21 x^5 + 35 x^4 + 35 x^3 + 21 x^2 + 7 x + 1}$$

Sequence: A325846
Score: 6.24819
Type of gen. func.: ogf

$$\frac{22 x^6 + 66 x^5 + 108 x^4 + 106 x^3 + 63 x^2 + 21 x + 3}{7 x^6 + 21 x^5 + 35 x^4 + 35 x^3 + 21 x^2 + 7 x + 1}$$

Sequence: A325909
Score: 10.2414
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + 2 x^3 + 2 x + 1)}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A325909
Score: 11.3637
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + 2 x^3 + 2 x + 1)}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A325909
Score: 6.7996
Type of gen. func.: ogf

{-a(n + 6) + 2 a(n + 3) - a(n), a(0) = 1, a(1) = 3, a(2) = 2, a(3) = 4,

a(4) = 9, a(5) = 5}

Sequence: A325911
Score: 17.3422
Type of gen. func.: ogf

$$\frac{10}{(16 x - 1) (x - 1)}$$

Sequence: A325911
Score: 21.8176
Type of gen. func.: ogf

$$\frac{10}{(16 x - 1) (x - 1)}$$

Sequence: A325911
Score: 7.68576
Type of gen. func.: ogf

$$(257 f(x) + 320) (16 f(x) x^2 - 17 f(x) x + f(x) - 10)$$

Sequence: A325911
Score: 8.56135
Type of gen. func.: ogf

$$\{-a(n + 2) + 17 a(n + 1) - 16 a(n), a(0) = 10, a(1) = 170\}$$

Sequence: A325951
Score: 16.4458
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{3 x^2 - 4}{(x - 1) (x + 1)}$$

Sequence: A325952
Score: 16.7477
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{4 x^2 - 5}{(x - 1) (x + 1)}$$

Sequence: A325958
Score: 18.4392
Type of gen. func.: ogf

$$-\frac{4\,(x^2 + x + 6)}{(x - 1)^3}$$

Sequence: A325958
Score: 22.426
Type of gen. func.: ogf

$$-\frac{4\,(x^2 + x + 6)}{(x - 1)^3}$$

Sequence: A325958
Score: 6.85754
Type of gen. func.: ogf

$$(16304 f(x) - 300261)\,(f(x)\,x^3 - 3 f(x)\,x^2 + 3 f(x)\,x + 4 x^2 - f(x) + 4 x + 24)$$

Sequence: A325958
Score: 7.68299
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 24, a(1) = 76, a(2) = 160\}$$

Sequence: A326031
Score: 4.30792
Type of gen. func.: ogf

$$-x\,(13 x^{39} - 3 x^{38} - 3 x^{36} - 3 x^{34} - 3 x^{32} - 4 x^{31} - 6 x^7 + 2 x^6 + 2 x^4 + 2 x^2 + 2) \Big/ \left((x + 1)\,(x^2 + 1)\,(x^4 + 1)\,(3 x^{32} - 2)\,(x - 1)^2\right)$$

Sequence: A326031
Score: 4.50263
Type of gen. func.: ogf

$$-x\,(13 x^{39} - 3 x^{38} - 3 x^{36} - 3 x^{34} - 3 x^{32} - 4 x^{31} - 6 x^7 + 2 x^6 + 2 x^4 + 2 x^2$$

$$+ 2) \Big/ \left((x + 1) (x^2 + 1) (x^4 + 1) (3 x^{32} - 2) (x - 1)^2\right)$$

Sequence: A326034
Score: 6.02378
Type of gen. func.: ogf

$$- \frac{x^3 (x^8 + x^7 + x^6 + x^5 + x^4 + 2 x^3 + 3 x^2 + 2 x + 1)}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A326034
Score: 6.42205
Type of gen. func.: ogf

$$- \frac{x^3 (x^8 + x^7 + x^6 + x^5 + x^4 + 2 x^3 + 3 x^2 + 2 x + 1)}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A326100
Score: 3.5505
Type of gen. func.: ogf

$$\frac{x^8 + 2 x^7 + 2 x^6 - 2 x^5 - 9 x^4 - 13 x^3 - 4 x^2 + 9 x + 4}{(x - 1) (x + 1) (x^7 + x^6 + 3 x^5 + 4 x^4 + 3 x^3 + 4 x^2 + 5 x - 1)}$$

Sequence: A326100
Score: 3.73494
Type of gen. func.: ogf

$$\frac{x^8 + 2 x^7 + 2 x^6 - 2 x^5 - 9 x^4 - 13 x^3 - 4 x^2 + 9 x + 4}{(x - 1) (x + 1) (x^7 + x^6 + 3 x^5 + 4 x^4 + 3 x^3 + 4 x^2 + 5 x - 1)}$$

Sequence: A326118
Score: 8.44251

Type of gen. func.: ogf

$$\frac{x\,(2\,x^{7}-2\,x^{5}-x^{4}+2\,x^{3}-2\,x^{2}-1)}{(x+1)\,(x^{2}+1)\,(x-1)^{3}}$$

Sequence: A326118
Score: 9.16874
Type of gen. func.: ogf

$$\frac{x\,(2\,x^{7}-2\,x^{5}-x^{4}+2\,x^{3}-2\,x^{2}-1)}{(x+1)\,(x^{2}+1)\,(x-1)^{3}}$$

Sequence: A326123
Score: 29.1442
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{5+x}{x+1}$$

Sequence: A326178
Score: 15.3908
Type of gen. func.: ogf

$$-\frac{x\,(x^{3}-x^{2}-1)}{(x-1)^{2}}$$

Sequence: A326178
Score: 18.1269
Type of gen. func.: ogf

$$-\frac{x\,(x^{3}-x^{2}-1)}{(x-1)^{2}}$$

Sequence: A326178
Score: 6.97188
Type of gen. func.: ogf

{-a(n + 5) + 2 a(n + 4) - a(n + 3), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 4,

a(4) = 5}

Sequence: A326178
Score: 8.1571
Type of gen. func.: ogf

$$(14 f(x) + 277) (x^4 + f(x) x^2 - x^3 - 2 f(x) x + f(x) - x)$$

Sequence: A326200
Score: 19.0459
Type of gen. func.: ogf

$$-\frac{21 x^{29} - 43 x^{28} + 22 x^{27} - 1}{(x - 1)^2}$$

Sequence: A326200
Score: 21.8162
Type of gen. func.: ogf

$$-\frac{21 x^{29} - 43 x^{28} + 22 x^{27} - 1}{(x - 1)^2}$$

Sequence: A326244
Score: 2.06438
Type of gen. func.: ogf

$$-\frac{(4 x - 1) (x - 1)}{4 x^3 - 8 x^2 + 6 x - 1}$$

Sequence: A326244
Score: 2.35412

Type of gen. func.: ogf

$$-\frac{(4 x - 1) (x - 1)}{4 x^3 - 8 x^2 + 6 x - 1}$$

Sequence: A326247
Score: 17.9902
Type of gen. func.: ogf

$$\frac{x^2 (3 x^2 - 4 x - 1)}{(x - 1)^5}$$

Sequence: A326247
Score: 21.88
Type of gen. func.: ogf

$$\frac{x^2 (3 x^2 - 4 x - 1)}{(x - 1)^5}$$

Sequence: A326247
Score: 4.90642
Type of gen. func.: ogf

{a(n + 5) - 5 a(n + 4) + 10 a(n + 3) - 10 a(n + 2) + 5 a(n + 1) - a(n),

a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 9, a(4) = 32}

Sequence: A326278
Score: 17.8706
Type of gen. func.: ogf

$$\frac{x^2 (x^2 - 4 x - 1)}{(x - 1)^5}$$

Sequence: A326278

Score: 21.7345
Type of gen. func.: ogf

$$\frac{x^2 (x^2 - 4 x - 1)}{(x - 1)^5}$$

Sequence: A326278
Score: 4.87379
Type of gen. func.: ogf

$\{-a(n + 5) + 5 a(n + 4) - 10 a(n + 3) + 10 a(n + 2) - 5 a(n + 1) + a(n),$

$a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 9, a(4) = 34\}$

Sequence: A326290
Score: 11.127
Type of gen. func.: ogf

$$-4 x^2 + 3 x + 1 - (x^2 (16 x^2 - 24 x + 1))^{1/2}$$

Sequence: A326290
Score: 9.10391
Type of gen. func.: ogf

$$-8 f(x) x^2 - f(x)^2 + 6 f(x) x + 2 f(x) - 6 x - 1$$

Sequence: A326329
Score: 2.33277
Type of gen. func.: ogf

$$\frac{-1 + 3 x}{x^3 + x^2 + 3 x - 1}$$

Sequence: A326329
Score: 2.78794
Type of gen. func.: ogf

$$-1 + 3 x$$

$$\overline{x^3 + x^2 + 3x - 1}$$

Sequence: A326347
Score: 10.7026
Type of gen. func.: ogf

$$-\frac{12 (18 x^3 + 21 x^2 - 8 x - 3)}{(x + 1)^2 (-1 + 3 x)^2}$$

Sequence: A326347
Score: 12.1296
Type of gen. func.: ogf

$$-\frac{12 (18 x^3 + 21 x^2 - 8 x - 3)}{(x + 1)^2 (-1 + 3 x)^2}$$

Sequence: A326347
Score: 4.66522
Type of gen. func.: ogf

$$-(5191 f(x) - 264060) (9 f(x) x^4 + 12 f(x) x^3 - 2 f(x) x^2 + 216 x^3 - 4 f(x) x + 252 x^2 + f(x) - 96 x - 36)$$

Sequence: A326347
Score: 5.08933
Type of gen. func.: ogf

{-a(n + 4) + 4 a(n + 3) + 2 a(n + 2) - 12 a(n + 1) - 9 a(n), a(0) = 36,

a(1) = 240, a(2) = 780, a(3) = 2952}

Sequence: A326355
Score: 3.67862
Type of gen. func.: ogf

$$\{a(n+6) - 10\,a(n+5) + 40\,a(n+4) - 82\,a(n+3) + 91\,a(n+2) - 52\,a(n+1) + 12\,a(n),\ a(0) = 1,\ a(1) = 1,\ a(2) = 2,\ a(3) = 6,\ a(4) = 23,\ a(5) = 93\}$$

Sequence: A326355
Score: 7.66064
Type of gen. func.: ogf

$$-\frac{22x^5 - 52x^4 + 56x^3 - 32x^2 + 9x - 1}{(-1 + 3x)(2x - 1)^2 (x - 1)^3}$$

Sequence: A326355
Score: 8.34923
Type of gen. func.: ogf

$$-\frac{22x^5 - 52x^4 + 56x^3 - 32x^2 + 9x - 1}{(-1 + 3x)(2x - 1)^2 (x - 1)^3}$$

Sequence: A326364
Score: 8.64556
Type of gen. func.: ogf

$$(f(x) - 1)^2 (-2x^3 + f(x) - 1)$$

Sequence: A326365
Score: 4.25269
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A326367
Score: 15.5338
Type of gen. func.: ogf

$$\frac{3x^2 (x + 2)(x - 4)}{5}$$

$$(x - 1)$$

Sequence: A326367
Score: 18.2953
Type of gen. func.: ogf

$$\frac{3 x^{2} (x + 2) (x - 4)}{(x - 1)^{5}}$$

Sequence: A326367
Score: 4.87153
Type of gen. func.: ogf

{-a(n + 5) + 5 a(n + 4) - 10 a(n + 3) + 10 a(n + 2) - 5 a(n + 1) + a(n),

a(0) = 0, a(1) = 0, a(2) = 24, a(3) = 126, a(4) = 387}

Sequence: A326368
Score: 10.7705
Type of gen. func.: ogf

$$- \frac{x^{2} (2 x^{5} + 10 x^{4} - 87 x^{3} + 154 x^{2} + 308 x + 18)}{(x - 1)^{7}}$$

Sequence: A326368
Score: 9.69341
Type of gen. func.: ogf

$$- \frac{x^{2} (2 x^{5} + 10 x^{4} - 87 x^{3} + 154 x^{2} + 308 x + 18)}{(x - 1)^{7}}$$

Sequence: A326369
Score: 8.34478
Type of gen. func.: ogf

$$3 x^{3} (10 x^{6} - 33 x^{5} - 87 x^{4} + 613 x^{3} - 1137 x^{2} - 1947 x - 254)$$

$$\frac{\qquad}{(x - 1)^{9}}$$

Sequence: A326369
Score: 9.12104
Type of gen. func.: ogf

$$\frac{3 x^{3} (10 x^{6} - 33 x^{5} - 87 x^{4} + 613 x^{3} - 1137 x^{2} - 1947 x - 254)}{(x - 1)^{9}}$$

Sequence: A326414
Score: 4.02538
Type of gen. func.: ogf

$$- (12000699992006339936491 x^{3} - 990000000000 x^{2} - 990000000000 x - 12000700000025339936491) / ((x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A326414
Score: 4.27121
Type of gen. func.: ogf

$$- (12000699992006339936491 x^{3} - 990000000000 x^{2} - 990000000000 x - 12000700000025339936491) / ((x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A326422
Score: 10.0467
Type of gen. func.: ogf

$$\frac{(3 x^{2} + 4 x + 3) (x^{2} - x + 1)}{(x + 1) (x^{2} + 1) (x - 1)^{2}}$$

Sequence: A326422

Score: 11.039
Type of gen. func.: ogf

$$\frac{(3x^2+4x+3)(x^2-x+1)}{(x+1)(x^2+1)(x-1)^2}$$

Sequence: A326422
Score: 6.93147
Type of gen. func.: ogf

{-a(n + 5) + a(n + 4) + a(n + 1) - a(n), a(0) = 3, a(1) = 4, a(2) = 6, a(3) = 7,

a(4) = 13}

Sequence: A326494
Score: 14.8844
Type of gen. func.: ogf

$$-\frac{x^5-x^4-x^2-1}{(x-1)^2}$$

Sequence: A326494
Score: 17.3145
Type of gen. func.: ogf

$$-\frac{x^5-x^4-x^2-1}{(x-1)^2}$$

Sequence: A326494
Score: 6.47643
Type of gen. func.: ogf

{a(n + 6) - 2 a(n + 5) + a(n + 4), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 6,

a(4) = 9, a(5) = 11}

Sequence: A326504

Score: 10.2933
Type of gen. func.: ogf

$$\frac{2x^6 - 2x^5 + 2x^3 - x^2 + 1}{(x^2 + 1)(x + 1)^3 (x - 1)^4}$$

Sequence: A326504
Score: 9.3681
Type of gen. func.: ogf

$$\frac{2x^6 - 2x^5 + 2x^3 - x^2 + 1}{(x^2 + 1)(x + 1)^3 (x - 1)^4}$$

Sequence: A326505
Score: 7.11837
Type of gen. func.: ogf

$$-\frac{(2x^3 - x^2 + 1)(2x^6 - x^5 - x^4 + x^3 + 1)}{(x^2 + 1)^2 (x + 1)^4 (x - 1)^5}$$

Sequence: A326505
Score: 7.64082
Type of gen. func.: ogf

$$-\frac{(2x^3 - x^2 + 1)(2x^6 - x^5 - x^4 + x^3 + 1)}{(x^2 + 1)^2 (x + 1)^4 (x - 1)^5}$$

Sequence: A326506
Score: 5.08122
Type of gen. func.: ogf

$$-(x^{13} - 8x^{12} + 5x^{11} + 4x^{10} - 10x^9 + 4x^8 + 6x^7 - 9x^6 + x^5 + x^4 - 3x^3 + x^2 - 1) / ((x^2 + 1)^3 (x + 1)^5 (x - 1)^6)$$

Sequence: A326506
Score: 5.34518
Type of gen. func.: ogf

$$-\left(x^{13} - 8 x^{12} + 5 x^{11} + 4 x^{10} - 10 x^{9} + 4 x^{8} + 6 x^{7} - 9 x^{6} + x^{5} + x^{4} - 3 x^{3} + x^{2} - 1\right) \Big/ \left((x^{2} + 1)^{3} (x + 1)^{5} (x - 1)^{6}\right)$$

Sequence: A326507
Score: 4.25476
Type of gen. func.: ogf

$$-\left(x^{17} - 3 x^{16} + 12 x^{15} - 6 x^{14} - 9 x^{13} + 19 x^{12} - x^{11} - 17 x^{10} + 15 x^{9} - 6 x^{7} + 8 x^{6} + x^{5} - x^{4} + 3 x^{3} - x^{2} + 1\right) \Big/ \left((x^{2} + 1)^{4} (x + 1)^{6} (x - 1)^{7}\right)$$

Sequence: A326507
Score: 4.43875
Type of gen. func.: ogf

$$-\left(x^{17} - 3 x^{16} + 12 x^{15} - 6 x^{14} - 9 x^{13} + 19 x^{12} - x^{11} - 17 x^{10} + 15 x^{9} - 6 x^{7} + 8 x^{6} + x^{5} - x^{4} + 3 x^{3} - x^{2} + 1\right) \Big/ \left((x^{2} + 1)^{4} (x + 1)^{6} (x - 1)^{7}\right)$$

Sequence: A326564
Score: 9.33293
Type of gen. func.: ogf

$$2 f(x)^{3} x^{2} - 10 f(x)^{2} x^{2} + f(x)^{2} x + 16 f(x) x^{2} - 4 f(x) x - 8 x^{2} - f(x) + 4 x + 1$$

Sequence: A326657
Score: 15.3099
Type of gen. func.: ogf

$$\frac{2 x^3 - 5 x^2 + 2 x - 1}{(x + 1) (x - 1)^3}$$

Sequence: A326657
Score: 17.6208
Type of gen. func.: ogf

$$\frac{2 x^3 - 5 x^2 + 2 x - 1}{(x + 1) (x - 1)^3}$$

Sequence: A326657
Score: 7.29611
Type of gen. func.: ogf

$$-(631 f(x) - 2189)$$

$$(f(x) x^4 - 2 f(x) x^3 - 2 x^3 + 2 f(x) x + 5 x^2 - f(x) - 2 x + 1)$$

Sequence: A326657
Score: 8.12089
Type of gen. func.: ogf

$\{-a(n + 4) + 2 a(n + 3) - 2 a(n + 1) + a(n), a(0) = 1, a(1) = 0, a(2) = 5,$

$a(3) = 6\}$

Sequence: A326658
Score: 15.0455
Type of gen. func.: ogf

$$\frac{4 x^3 - 7 x^2 + 2 x - 1}{(x + 1) (x - 1)^3}$$

Sequence: A326658
Score: 17.3165
Type of gen. func.: ogf

$$\frac{4 x^3 - 7 x^2 + 2 x - 1}{(x + 1) (x - 1)^3}$$

Sequence: A326658
Score: 7.1701
Type of gen. func.: ogf

$$-(739 f(x) - 7434)$$

$$(f(x) x^4 - 2 f(x) x^3 - 4 x^3 + 2 f(x) x + 7 x^2 - f(x) - 2 x + 1)$$

Sequence: A326658
Score: 7.98063
Type of gen. func.: ogf

$$\{-a(n + 4) + 2 a(n + 3) - 2 a(n + 1) + a(n), a(0) = 1, a(1) = 0, a(2) = 7, a(3) = 8\}$$

Sequence: A326702
Score: 4.41573
Type of gen. func.: ogf

$$- x (x^{42} - x^{41} + x^{40} - x^{39} + x^{34} - x^{33} + x^{32} - x^{31} + x^{25} - x^{23} + x^{17} - x^{15} + x^{10} + x^8 - x^7 + x^2 + 1)/(x - 1)$$

Sequence: A326702
Score: 4.62353
Type of gen. func.: ogf

$$- x (x^{42} - x^{41} + x^{40} - x^{39} + x^{34} - x^{33} + x^{32} - x^{31} + x^{25} - x^{23} + x^{17} - x^{15} + x^{10} + x^8 - x^7 + x^2 + 1)/(x - 1)$$

Sequence: A326725
Score: 20.4083
Type of gen. func.: ogf

$$-\frac{x\,(6\,x-1)}{(x-1)^{3}}$$

Sequence: A326725
Score: 25.3558
Type of gen. func.: ogf

$$-\frac{x\,(6\,x-1)}{(x-1)^{3}}$$

Sequence: A326725
Score: 7.47091
Type of gen. func.: ogf

$$(725\,f(x)-1302)\,(f(x)\,x^{3}-3\,f(x)\,x^{2}+3\,f(x)\,x+6\,x^{2}-f(x)-x)$$

Sequence: A326725
Score: 8.1237
Type of gen. func.: ogf

$$\{-a(n+3)+3\,a(n+2)-3\,a(n+1)+a(n),\ a(0)=0,\ a(1)=-1,\ a(2)=3\}$$

Sequence: A326749
Score: 5.85654
Type of gen. func.: ogf

$$-x\,(x^{28}-x^{26}+x^{22}-x^{20}+2\,x^{16}-2\,x^{15}+2\,x^{10}-2\,x^{9}+7\,x^{8}-7\,x^{7}+x^{3}-x^{2}-1)\ /\ (x-1)^{2}$$

Sequence: A326749
Score: 6.21148
Type of gen. func.: ogf

$$-x\,(x^{28}-x^{26}+x^{22}-x^{20}+2\,x^{16}-2\,x^{15}+2\,x^{10}-2\,x^{9}+7\,x^{8}-7\,x^{7}+x^{3}$$

$$- x^{2} - 1) / (x - 1)^{2}$$

Sequence: A326754
Score: 6.01547
Type of gen. func.: ogf

$$- x (x^{31} - x^{29} + x^{25} - x^{23} + 2 x^{18} - 2 x^{17} + 2 x^{12} - 2 x^{11} + 3 x^{7} - 3 x^{6} + x^{2} - x - 1) / (x - 1)^{2}$$

Sequence: A326754
Score: 6.38853
Type of gen. func.: ogf

$$- x (x^{31} - x^{29} + x^{25} - x^{23} + 2 x^{18} - 2 x^{17} + 2 x^{12} - 2 x^{11} + 3 x^{7} - 3 x^{6} + x^{2} - x - 1) / (x - 1)^{2}$$

Sequence: A326781
Score: 3.77054
Type of gen. func.: ogf

$$4 x (35 x^{15} + x^{14} + 3 x^{13} + x^{12} + 3 x^{11} + x^{10} + 3 x^{9} + x^{8} + 3 x^{7} + x^{6} + 3 x^{5} + x^{4} + 3 x^{3} + x^{2} + 3 x + 1) / ((x + 1) (x^{2} + 1) (x^{4} + 1) (x^{8} + 1) (x - 1)^{2})$$

Sequence: A326781
Score: 3.91282
Type of gen. func.: ogf

$$4 x (35 x^{15} + x^{14} + 3 x^{13} + x^{12} + 3 x^{11} + x^{10} + 3 x^{9} + x^{8} + 3 x^{7} + x^{6} + 3 x^{5} + x^{4} + 3 x^{3} + x^{2} + 3 x + 1) / ((x + 1) (x^{2} + 1) (x^{4} + 1) (x^{8} + 1)$$

$(x - 1)^2)$

Sequence: A326827
Score: 10.4987
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 (5 x^2 + 2 x + 5)}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A326835
Score: 15.1413
Type of gen. func.: ogf

$$-\frac{2 x^{32} - 2 x^{31} - x - 1}{(x - 1)^2}$$

Sequence: A326853
Score: 5.25033
Type of gen. func.: ogf

$$- x (4 x^{20} - 4 x^{19} + 9 x^{16} - 8 x^{15} + 4 x^{14} - 4 x^{13} + 5 x^{12} - 6 x^{11} + 6 x^{10} - 6 x^9 + 7 x^8 - 7 x^7 + x^3 - x^2 - 1) \Big/ (x - 1)^2$$

Sequence: A326853
Score: 5.53034
Type of gen. func.: ogf

$$- x (4 x^{20} - 4 x^{19} + 9 x^{16} - 8 x^{15} + 4 x^{14} - 4 x^{13} + 5 x^{12} - 6 x^{11} + 6 x^{10} - 6 x^9 + 7 x^8 - 7 x^7 + x^3 - x^2 - 1) \Big/ (x - 1)^2$$

Sequence: A326863

Score: 7.09762
Type of gen. func.: lgdegf]

$$\frac{2 (x^{10} - 151 x^{8} - 150 x^{6} - 225 x^{4} - 75 x^{2} - 75)}{2 x^{10} + 149 x^{8} - 75 x^{4} - 75}$$

Sequence: A326872
Score: 7.45066
Type of gen. func.: ogf

$$- \frac{x (20 x^{32} - 20 x^{31} + 4 x^{28} - 4 x^{27} + 4 x^{24} - 4 x^{23} + 4 x^{20} - 4 x^{19} - 1)}{(x - 1)^{2}}$$

Sequence: A326872
Score: 8.02935
Type of gen. func.: ogf

$$- \frac{x (20 x^{32} - 20 x^{31} + 4 x^{28} - 4 x^{27} + 4 x^{24} - 4 x^{23} + 4 x^{20} - 4 x^{19} - 1)}{(x - 1)^{2}}$$

Sequence: A326879
Score: 5.93821
Type of gen. func.: ogf

$$- x (21 x^{16} - 20 x^{15} + 4 x^{14} - 4 x^{13} + 5 x^{12} - 6 x^{11} + 6 x^{10} - 6 x^{9} + 7 x^{8} - 7 x^{7} + x^{3} - x^{2} - 1) \Big/ (x - 1)^{2}$$

Sequence: A326879
Score: 6.29273
Type of gen. func.: ogf

$$- x (21 x^{16} - 20 x^{15} + 4 x^{14} - 4 x^{13} + 5 x^{12} - 6 x^{11} + 6 x^{10} - 6 x^{9} + 7 x^{8} - 7 x^{7} + x^{3} - x^{2} - 1) \Big/ (x - 1)^{2}$$

Sequence: A327021
Score: 3.69404
Type of gen. func.: ogf

$$\{2 a(n + 1) n^{3} + 2 a(n) n^{3} + 9 a(n + 1) n^{2} + a(n) n^{2} - a(n + 2) n + 12 a(n + 1) n - 2 a(n + 2) + 6 a(n + 1), a(0) = 1, a(1) = 1\}$$

Sequence: A327032
Score: 14.2949
Type of gen. func.: ogf

$$\frac{x (x - 2) (2 x^{2} - 3 x + 2)}{(x - 1)^{5}}$$

Sequence: A327032
Score: 16.6288
Type of gen. func.: ogf

$$\frac{x (x - 2) (2 x^{2} - 3 x + 2)}{(x - 1)^{5}}$$

Sequence: A327032
Score: 4.85007
Type of gen. func.: ogf

$$\{a(n + 5) - 5 a(n + 4) + 10 a(n + 3) - 10 a(n + 2) + 5 a(n + 1) - a(n), a(0) = 0, a(1) = 4, a(2) = 12, a(3) = 27, a(4) = 53\}$$

Sequence: A327035
Score: 10.1095
Type of gen. func.: ogf

$$- \frac{(x^{2} + x + 1) (x^{3} - x^{2} + 1)}{{}^{6} \quad {}^{3}}$$

$$x + x - 1$$

Sequence: A327035
Score: 11.2174
Type of gen. func.: ogf

$$-\frac{(x^2 + x + 1)\,(x^3 - x^2 + 1)}{x^6 + x^3 - 1}$$

Sequence: A327035
Score: 6.76751
Type of gen. func.: ogf

{-a(n + 6) + a(n + 3) + a(n), a(0) = 1, a(1) = 1, a(2) = 0, a(3) = 1, a(4) = 1,

a(5) = 1}

Sequence: A327041
Score: 4.13684
Type of gen. func.: ogf

$$- x (x^{42} - x^{41} + x^{40} - x^{39} + x^{34} - x^{33} + x^{32} - x^{31} + 2 x^{25} - 2 x^{23} + 2 x^{17}$$

$$- 2 x^{15} + x^{10} + x^9 + x^8 + x^7 + x^2 + x + 1)/(x - 1)$$

Sequence: A327041
Score: 4.31868
Type of gen. func.: ogf

$$- x (x^{42} - x^{41} + x^{40} - x^{39} + x^{34} - x^{33} + x^{32} - x^{31} + 2 x^{25} - 2 x^{23} + 2 x^{17}$$

$$- 2 x^{15} + x^{10} + x^9 + x^8 + x^7 + x^2 + x + 1)/(x - 1)$$

Sequence: A327042
Score: 9.67397
Type of gen. func.: ogf_with_Euler_transform]

$$3 x^3 + 4 x^2 + 3 x + 1$$

$$-\frac{}{(x - 1) (x + 1) (x^2 + x + 1)}$$

Sequence: A327043
Score: 6.95105
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4 x^5 + 5 x^4 + 7 x^3 + 5 x^2 + 3 x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A327044
Score: 4.3163
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{5 x^9 + 11 x^8 + 19 x^7 + 24 x^6 + 26 x^5 + 22 x^4 + 16 x^3 + 9 x^2 + 4 x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^2 + 1)}$$

Sequence: A327045
Score: 5.62918
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^6 + x^5 + 3 x^4 + x^3 + 3 x^2 + x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A327046
Score: 4.4702
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{(x^4 + x^3 + x^2 + x + 1) (x^6 + 2 x^4 - x^3 + 2 x^2 + 1)}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A327048
Score: 5.26297
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3x^7 + 2x^6 + 6x^5 + 6x^4 + 5x^3 + 6x^2 + 3x + 2}{(x - 1)(x + 1)(x^2 + 1)(x^2 + x + 1)(x^2 - x + 1)}$$

Sequence: A327049
Score: 4.01605
Type of gen. func.: ogf_with_Euler_transform]

$$-(4x^{11} + 2x^{10} + 7x^9 + 6x^8 + 11x^7 + 8x^6 + 11x^5 + 8x^4 + 7x^3 + 6x^2 + 3x + 2) \Big/ ((x - 1)(x + 1)(x^2 + 1)(x^4 + 1)(x^2 + x + 1)(x^2 - x + 1))$$

Sequence: A327101
Score: 5.95408
Type of gen. func.: ogf

$$-(4x^{17} - 4x^{16} + 9x^{13} - 8x^{12} + 4x^{11} - 4x^{10} + 5x^9 - 6x^8 + 6x^7 - 6x^6 + 8x^5 - 8x^4 + 3x - 4) \Big/ (x - 1)^2$$

Sequence: A327101
Score: 6.31769
Type of gen. func.: ogf

$$-(4x^{17} - 4x^{16} + 9x^{13} - 8x^{12} + 4x^{11} - 4x^{10} + 5x^9 - 6x^8 + 6x^7 - 6x^6 + 8x^5 - 8x^4 + 3x - 4) \Big/ (x - 1)^2$$

Sequence: A327136
Score: 6.07166
Type of gen. func.: ogf

$$\frac{(x + 1)(2x^6 + x^5 + 2x^4 + x^3 + 2x^2 + 2x + 1)}{}$$

$$(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2$$

Sequence: A327136
Score: 6.4482
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x^6 + x^5 + 2 x^4 + x^3 + 2 x^2 + 2 x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A327137
Score: 10.6168
Type of gen. func.: ogf

$$\frac{6 x^4 + 3 x^3 + 3 x^2 + 3 x + 7}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A327137
Score: 6.19315
Type of gen. func.: ogf

{-a(n + 5) + a(n + 4) + a(n + 1) - a(n), a(0) = 7, a(1) = 10, a(2) = 13,

a(3) = 16, a(4) = 29}

Sequence: A327137
Score: 9.6176
Type of gen. func.: ogf

$$\frac{6 x^4 + 3 x^3 + 3 x^2 + 3 x + 7}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A327138
Score: 4.12713
Type of gen. func.: ogf

11   10   9   8   7   6   5   4   3   2

```
x   + x   + 2 x  + x  + 2 x  + x  + 2 x  + x  + 3 x  + 3 x  + 3 x + 2
----------------------------------------------------------------------
     10    9    8    7    6    5    4    3    2                 2
   (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x - 1)
```

Sequence: A327138
Score: 4.2991
Type of gen. func.: ogf

$$\frac{x^{11} + x^{10} + 2x^{9} + x^{8} + 2x^{7} + x^{6} + 2x^{5} + x^{4} + 3x^{3} + 3x^{2} + 3x + 2}{(x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)(x - 1)^{2}}$$

Sequence: A327236
Score: 2.69005
Type of gen. func.: ogf

$$-(f(x)\,x - f(x) + 1)^{3}$$

Sequence: A327253
Score: 3.81385
Type of gen. func.: ogf

$$-\frac{x^{2}(x^{9} - x^{7} + x^{6} - x^{5} + x^{4} - x^{3} + x^{2} - x + 1)}{(x - 1)(x^{2} + 1)(x^{8} - x^{6} + x^{4} - x^{2} + 1)}$$

Sequence: A327253
Score: 4.02427
Type of gen. func.: ogf

$$-\frac{x^{2}(x^{9} - x^{7} + x^{6} - x^{5} + x^{4} - x^{3} + x^{2} - x + 1)}{(x - 1)(x^{2} + 1)(x^{8} - x^{6} + x^{4} - x^{2} + 1)}$$

Sequence: A327310
Score: 3.3238
Type of gen. func.: ogf

$$-x\left(3x^{35}-3x^{34}+x^{33}-3x^{29}+3x^{27}-3x^{23}+3x^{21}-3x^{17}+3x^{15}-3x^{11}+3x^{9}-3x^{5}+3x^{3}-2x^{2}+2x-4\right)\Big/\left((x-1)\left(x^{35}-x^{33}-x^{2}-2\right)\right)$$

Sequence: A327310
Score: 3.46449
Type of gen. func.: ogf

$$-x\left(3x^{35}-3x^{34}+x^{33}-3x^{29}+3x^{27}-3x^{23}+3x^{21}-3x^{17}+3x^{15}-3x^{11}+3x^{9}-3x^{5}+3x^{3}-2x^{2}+2x-4\right)\Big/\left((x-1)\left(x^{35}-x^{33}-x^{2}-2\right)\right)$$

Sequence: A327319
Score: 15.1442
Type of gen. func.: ogf

$$-\frac{x^{2}\left(7x^{2}-2x+1\right)}{(x-1)^{5}}$$

Sequence: A327319
Score: 18.0992
Type of gen. func.: ogf

$$-\frac{x^{2}\left(7x^{2}-2x+1\right)}{(x-1)^{5}}$$

Sequence: A327319
Score: 4.49738
Type of gen. func.: ogf

$$\{a(n+5)-5a(n+4)+10a(n+3)-10a(n+2)+5a(n+1)-a(n),$$
$$a(0)=0,\ a(1)=0,\ a(2)=1,\ a(3)=3,\ a(4)=12\}$$

Sequence: A327374
Score: 15.1729
Type of gen. func.: ogf

$$-\frac{4x^5 - 4x^4 + 51x - 52}{(x-1)^2}$$

Sequence: A327374
Score: 17.7555
Type of gen. func.: ogf

$$-\frac{4x^5 - 4x^4 + 51x - 52}{(x-1)^2}$$

Sequence: A327374
Score: 6.13608
Type of gen. func.: ogf

{-a(n + 6) + 2 a(n + 5) - a(n + 4), a(0) = 52, a(1) = 53, a(2) = 54, a(3) = 55,

a(4) = 60, a(5) = 61}

Sequence: A327376
Score: 13.8973
Type of gen. func.: ogf

$$-\frac{4x^5 - 4x^4 + 2867x - 2868}{(x-1)^2}$$

Sequence: A327376
Score: 16.0773
Type of gen. func.: ogf

$$4x^5 - 4x^4 + 2867x - 2868$$
$$- \text{---------------------------}$$

$$(x - 1)^2$$

Sequence: A327376
Score: 5.54015
Type of gen. func.: ogf

$$\{-a(n + 6) + 2\, a(n + 5) - a(n + 4),\ a(0) = 2868,\ a(1) = 2869,\ a(2) = 2870,\ a(3) = 2871,\ a(4) = 2876,\ a(5) = 2877\}$$

Sequence: A327411
Score: 5.80147
Type of gen. func.: ogf

$$\{2\, a(n + 1)\, n^2 + 13\, a(n + 1)\, n - a(n + 2) + 21\, a(n + 1),\ a(0) = 1,\ a(1) = 10\}$$

Sequence: A327422
Score: 4.52905
Type of gen. func.: ogf

$$\frac{2 x^{10} + x^9 + 2 x^8 + x^7 + 2 x^6 + x^5 + 3 x^4 + 3 x^3 + 3 x^2 + 3 x + 1}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A327422
Score: 4.72704
Type of gen. func.: ogf

$$\frac{2 x^{10} + x^9 + 2 x^8 + x^7 + 2 x^6 + x^5 + 3 x^4 + 3 x^3 + 3 x^2 + 3 x + 1}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A327423
Score: 4.29962
Type of gen. func.: ogf

```
 11      10      9      8    7      6    5      4    3      2
x   + 3 x   + 3 x  + 3 x  + x  + 2 x  + x  + 2 x  + x  + 2 x  + x + 2
---------------------------------------------------------------------
     10    9    8    7    6    5    4    3    2                 2
```

```
        (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A327423
Score: 4.47877
Type of gen. func.: ogf


      11      10      9      8    7      6    5      4    3      2
     x   + 3 x   + 3 x  + 3 x  + x  + 2 x  + x  + 2 x  + x  + 2 x  + x + 2
     ---------------------------------------------------------------------
          10    9    8    7    6    5    4    3    2                 2
        (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A327440
Score: 6.51868
Type of gen. func.: ogf


                                 4   6    3
                                x  (x  + x  + 1)
         --------------------------------------------------------------
                   4    3    2            4    3    2                 2
         (x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A327440
Score: 6.93588
Type of gen. func.: ogf


                                 4   6    3
                                x  (x  + x  + 1)
         --------------------------------------------------------------
                   4    3    2            4    3    2                 2
         (x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1) (x - 1)



------------------------------------------------------------------------------

Sequence:  A327470
Score: 10.1613
Type of gen. func.: ogf


                        10    5    4    3    2
                       x   + x  + x  + x  + x  + 3 x - 12
                       ----------------------------------
                                     x - 1



------------------------------------------------------------------------------

Sequence:  A327470
Score: 11.3746
Type of gen. func.: ogf


                        10    5    4    3    2
```

$$\frac{x + x + x + x + x + 3 x - 12}{x - 1}$$

Sequence: A327479
Score: 7.26115
Type of gen. func.: ogf

$$\frac{2 x^{3} (x^{7} - 2 x^{6} + 3 x^{5} - 2 x^{4} + x^{3} - 2 x^{2} + x - 2)}{(x + 1) (x^{2} + 1) (x - 1)^{3}}$$

Sequence: A327479
Score: 7.79408
Type of gen. func.: ogf

$$\frac{2 x^{3} (x^{7} - 2 x^{6} + 3 x^{5} - 2 x^{4} + x^{3} - 2 x^{2} + x - 2)}{(x + 1) (x^{2} + 1) (x - 1)^{3}}$$

Sequence: A327480
Score: 7.37842
Type of gen. func.: ogf

$$- \frac{2 x^{2} (x^{8} - 2 x^{7} + 2 x^{6} - 2 x^{5} + 2 x^{4} + x^{2} + 1)}{(x + 1) (x^{2} + 1) (x - 1)^{3}}$$

Sequence: A327480
Score: 7.94058
Type of gen. func.: ogf

$$- \frac{2 x^{2} (x^{8} - 2 x^{7} + 2 x^{6} - 2 x^{5} + 2 x^{4} + x^{2} + 1)}{(x + 1) (x^{2} + 1) (x - 1)^{3}}$$

Sequence: A327510
Score: 24.134
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A327541
Score: 5.69289
Type of gen. func.: ogf

$$\frac{x^6 - x^4 + 8 x^3 - x^2 + 1}{(x^4 - x^3 - 2 x^2 - 3 x + 1) (x^4 - 3 x^3 - 2 x^2 - x + 1)}$$

Sequence: A327541
Score: 6.09592
Type of gen. func.: ogf

$$\frac{x^6 - x^4 + 8 x^3 - x^2 + 1}{(x^4 - x^3 - 2 x^2 - 3 x + 1) (x^4 - 3 x^3 - 2 x^2 - x + 1)}$$

Sequence: A327542
Score: 5.33046
Type of gen. func.: ogf

$$- \frac{x^6 + 5 x^4 + 4 x^3 - 5 x^2 - 1}{(x^4 + 3 x^3 - 2 x^2 + x + 1) (x^4 - x^3 - 2 x^2 - 3 x + 1)}$$

Sequence: A327542
Score: 5.69493
Type of gen. func.: ogf

$$- \frac{x^6 + 5 x^4 + 4 x^3 - 5 x^2 - 1}{(x^4 + 3 x^3 - 2 x^2 + x + 1) (x^4 - x^3 - 2 x^2 - 3 x + 1)}$$

Sequence: A327582
Score: 13.3639

Type of gen. func.: ogf

$$-\frac{7 x - 5}{(49 x - 1) (x - 1)}$$

Sequence: A327582
Score: 15.9094
Type of gen. func.: ogf

$$-\frac{7 x - 5}{(49 x - 1) (x - 1)}$$

Sequence: A327582
Score: 6.8886
Type of gen. func.: ogf

$$-(11660 f(x) + 749) (49 f(x) x^2 - 50 f(x) x + f(x) + 7 x - 5)$$

Sequence: A327582
Score: 8.56659
Type of gen. func.: ogf

$$\{a(n + 2) - 50 a(n + 1) + 49 a(n), a(0) = 5, a(1) = 243\}$$

Sequence: A327606
Score: 3.48034
Type of gen. func.: ogf

$$\{-4 a(n + 2) n + 2 a(n + 1) n + 2 a(n + 3) n - 15 a(n + 2) + 4 a(n + 1)$$

$$- a(n + 4) + 12 a(n + 3), a(0) = 0, a(1) = 1, a(2) = 8, a(3) = 69\}$$

Sequence: A327610
Score: 6.33508
Type of gen. func.: ogf

$$\frac{x^2 (9 x^4 - 13 x^3 + 4 x^2 + 2 x - 1)}{(x - 1) (-1 + 3 x) (2 x - 1) (3 x^2 - 1) (2 x^2 - 1)}$$

Sequence: A327610
Score: 6.79582
Type of gen. func.: ogf

$$\frac{x^2 (9 x^4 - 13 x^3 + 4 x^2 + 2 x - 1)}{(x - 1) (-1 + 3 x) (2 x - 1) (3 x^2 - 1) (2 x^2 - 1)}$$

Sequence: A327611
Score: 4.75114
Type of gen. func.: ogf

$$- \frac{x^3 (18 x^5 - 5 x^4 - 6 x^3 + x^2 + 2 x - 1)}{(x - 1) (4 x - 1) (-1 + 3 x) (2 x + 1) (2 x - 1) (3 x^2 - 1) (2 x^2 - 1)}$$

Sequence: A327611
Score: 5.01148
Type of gen. func.: ogf

$$- \frac{x^3 (18 x^5 - 5 x^4 - 6 x^3 + x^2 + 2 x - 1)}{(x - 1) (4 x - 1) (-1 + 3 x) (2 x + 1) (2 x - 1) (3 x^2 - 1) (2 x^2 - 1)}$$

Sequence: A327692
Score: 5.16787
Type of gen. func.: ogf

$\{a(n + 5) - 6 a(n + 3) + 4 a(n + 1), a(0) = 10, a(1) = 20, a(2) = 46,$

$a(3) = 104, a(4) = 240\}$

Sequence: A327692
Score: 5.3832
Type of gen. func.: ogf

$-(38 f(x) - 141)$

$(4 f(x) x^4 - 4 x^4 - 6 f(x) x^2 + 16 x^3 + 14 x^2 + f(x) - 20 x - 10)$

Sequence: A327692
Score: 8.72951
Type of gen. func.: ogf

$$\frac{2 (2 x^4 - 8 x^3 - 7 x^2 + 10 x + 5)}{4 x^4 - 6 x^2 + 1}$$

Sequence: A327692
Score: 9.78764
Type of gen. func.: ogf

$$\frac{2 (2 x^4 - 8 x^3 - 7 x^2 + 10 x + 5)}{4 x^4 - 6 x^2 + 1}$$

Sequence: A327717
Score: 8.29718
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^4 + x^3 + x^2 + x + 1}{(x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1)}$$

Sequence: A327728
Score: 10.292
Type of gen. func.: ogf

$$\frac{x (x^6 - 2 x^3 + x^2 + 4 x + 2)}{(x + 1)^2 (x^2 + x + 1)^2 (x - 1)^6}$$

Sequence: A327728
Score: 11.2607
Type of gen. func.: ogf

6   3   2

```
 x (x  - 2 x  + x  + 4 x + 2)
-------------------------------
       2   2          2        6
(x + 1)  (x  + x + 1)  (x - 1)
```

Sequence: A327760
Score: 10.1784
Type of gen. func.: ogf

$$- \frac{206448909341588981 x - 224584605939537911}{(x - 1)^2}$$

Sequence: A327760
Score: 3.7943
Type of gen. func.: ogf

$$(36271393195897860 f(x) + 50767148716110383525205279094388821)$$

$$(f(x) x^2 - 2 f(x) x + f(x) + 206448909341588981 x - 224584605939537911)$$

Sequence: A327760
Score: 5.93738
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 224584605939537911,$$

$$a(1) = 242720302537486841\}$$

Sequence: A327760
Score: 9.03151
Type of gen. func.: ogf

$$- \frac{206448909341588981 x - 224584605939537911}{(x - 1)^2}$$

Sequence: A327765
Score: 10.3501
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) + 2 a(n), a(0) = 2, a(1) = 5\}$$

Sequence: A327765
Score: 18.6808
Type of gen. func.: ogf

$$\frac{5 x - 2}{2 x^2 + 5 x - 1}$$

Sequence: A327765
Score: 23.2094
Type of gen. func.: ogf

$$\frac{5 x - 2}{2 x^2 + 5 x - 1}$$

Sequence: A327765
Score: 8.4166
Type of gen. func.: ogf

$$-(33 f(x) - 41) (2 f(x) x^2 + 5 f(x) x - f(x) - 5 x + 2)$$

Sequence: A327767
Score: 11.6056
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n), a(0) = 1, a(1) = -2\}$$

Sequence: A327767
Score: 14.4425
Type of gen. func.: ogf

$$\frac{2 x - 1}{(x - 1) (x + 1)}$$

Sequence: A327767
Score: 17.5652
Type of gen. func.: ogf

$$\frac{2 x - 1}{(x - 1) (x + 1)}$$

Sequence: A327767
Score: 9.15372
Type of gen. func.: ogf

$$-(5 f(x) + 2) (f(x) x^2 - f(x) - 2 x + 1)$$

Sequence: A327770
Score: 12.7539
Type of gen. func.: ogf

$$- \frac{-1 + 3 x}{(49 x - 1) (x - 1)}$$

Sequence: A327770
Score: 15.1832
Type of gen. func.: ogf

$$- \frac{-1 + 3 x}{(49 x - 1) (x - 1)}$$

Sequence: A327770
Score: 6.71258
Type of gen. func.: ogf

$$-(2252 f(x) - 43) (49 f(x) x^2 - 50 f(x) x + f(x) + 3 x - 1)$$

Sequence: A327770
Score: 8.28176
Type of gen. func.: ogf

$$\{a(n + 2) - 50 a(n + 1) + 49 a(n), a(0) = 1, a(1) = 47\}$$

Sequence: A327794
Score: 2.0886
Type of gen. func.: ogf

$$-\frac{x^2 (9 x^3 - 12 x^2 - 7 x + 6)}{(-1 + 3 x) (x - 1)^2}$$

Sequence: A327794
Score: 2.3581
Type of gen. func.: ogf

$$-\frac{x^2 (9 x^3 - 12 x^2 - 7 x + 6)}{(-1 + 3 x) (x - 1)^2}$$

Sequence: A327821
Score: 2.97797
Type of gen. func.: ogf

$$-\frac{x^3 - 3 x^2 - x - 1}{(x - 1) (x^3 - x^2 + 3 x - 1)}$$

Sequence: A327821
Score: 3.30432
Type of gen. func.: ogf

$$-\frac{x^3 - 3 x^2 - x - 1}{(x - 1) (x^3 - x^2 + 3 x - 1)}$$

Sequence: A327825
Score: 10.1422
Type of gen. func.: ogf

$$\frac{1089 x^{22} - 1089 x^{21} + 990 x^{12} - 990 x^{11} + 990 x^2 - 1869 x + 979}{(x - 1)^2}$$

Sequence: A327825
Score: 11.0857
Type of gen. func.: ogf

$$\frac{1089 x^{22} - 1089 x^{21} + 990 x^{12} - 990 x^{11} + 990 x^{2} - 1869 x + 979}{(x - 1)^{2}}$$

Sequence: A327834
Score: 15.4552
Type of gen. func.: ogf

$$\mathrm{HeunG}(1/2, 1/2, 1, 1, 1, 1, 4 x)^{2}$$

Sequence: A327842
Score: 6.50649
Type of gen. func.: ogf

$$- \frac{x^{9} - 6 x^{7} + x^{6} + 9 x^{5} + 3 x^{4} - 6 x^{3} - 9 x^{2} + 3 x + 5}{(x^{2} + x + 1) (x + 1)^{3} (x - 1)^{7}}$$

Sequence: A327842
Score: 6.95137
Type of gen. func.: ogf

$$- \frac{x^{9} - 6 x^{7} + x^{6} + 9 x^{5} + 3 x^{4} - 6 x^{3} - 9 x^{2} + 3 x + 5}{(x^{2} + x + 1) (x + 1)^{3} (x - 1)^{7}}$$

Sequence: A327846
Score: 10.1466
Type of gen. func.: ogf

$$\frac{784 x^{32} - 784 x^{31} - 961 x^{29} + 930 x^{28} + 868 x - 840}{(31 x^{28} - 28) (x - 1)^{2}}$$

Sequence: A327846
Score: 11.0289
Type of gen. func.: ogf

$$\frac{784 x^{32} - 784 x^{31} - 961 x^{29} + 930 x^{28} + 868 x - 840}{(31 x^{28} - 28) (x - 1)^{2}}$$

Sequence: A327904
Score: 2.99573
Type of gen. func.: egf]

$$\{a(n + 1) n^{3} + 10 a(n + 1) n^{2} - 16 a(n + 3) n + 8 a(n + 2) n + 33 a(n + 1) n$$
$$- 48 a(n + 3) + 28 a(n + 2) + 36 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 1\}$$

Sequence: A327926
Score: 13.781
Type of gen. func.: ogf

$$\{a(n + 1) - 99 a(n), a(0) = 1\}$$

Sequence: A327926
Score: 14.7653
Type of gen. func.: ogf

$$-99 f(x) x + f(x) - 1$$

Sequence: A327926
Score: 23.8517
Type of gen. func.: ogf

$$- \frac{1}{99 x - 1}$$

Sequence: A327926
Score: 34.4524

Type of gen. func.: ogf

$$-\frac{1}{99 x - 1}$$

Sequence: A327961
Score: 11.0326
Type of gen. func.: ogf

$$-\frac{x (5 x - 1)}{(-1 + 8 x) (2 x - 1) (4 x - 1)^2}$$

Sequence: A327961
Score: 12.5811
Type of gen. func.: ogf

$$-\frac{x (5 x - 1)}{(-1 + 8 x) (2 x - 1) (4 x - 1)^2}$$

Sequence: A327961
Score: 4.98001
Type of gen. func.: ogf

$$-(13914 f(x) + 10327)$$

$$(256 f(x) x^4 - 288 f(x) x^3 + 112 f(x) x^2 - 18 f(x) x + 5 x^2 + f(x) - x)$$

Sequence: A327961
Score: 5.01484
Type of gen. func.: ogf

$$\{-a(n + 4) + 18 a(n + 3) - 112 a(n + 2) + 288 a(n + 1) - 256 a(n), a(0) = 0,$$

$$a(1) = 1, a(2) = 13, a(3) = 122\}$$

Sequence: A327993
Score: 5.18901
Type of gen. func.: ogf

$\{-a(n+5) + 3 a(n+4) + a(n+3) - 4 a(n+2) - 2 a(n+1), a(0) = 1,$

$a(1) = 3, a(2) = 7, a(3) = 20, a(4) = 55\}$

Sequence: A327993
Score: 5.99619
Type of gen. func.: ogf

$$(48 f(x) + 25) (2 f(x) x^4 + 4 f(x) x^3 - 2 x^4 - f(x) x^2 - 3 f(x) x + 3 x^2 + f(x) - 1)$$

Sequence: A327993
Score: 9.09534
Type of gen. func.: ogf

$$\frac{(x - 1) (x + 1) (2 x^2 - 1)}{(2 x^2 + 2 x - 1) (x^2 + x - 1)}$$

Sequence: A327993
Score: 9.99364
Type of gen. func.: ogf

$$\frac{(x - 1) (x + 1) (2 x^2 - 1)}{(2 x^2 + 2 x - 1) (x^2 + x - 1)}$$

Sequence: A327999
Score: 16.0975
Type of gen. func.: ogf

$$- \frac{16 x^2 - 7 x + 1}{(4 x - 1)^3}$$

Sequence: A327999
Score: 19.4865
Type of gen. func.: ogf

$$-\frac{16 x^{2} - 7 x + 1}{(4 x - 1)^{3}}$$

Sequence: A327999
Score: 6.3835
Type of gen. func.: ogf

$$(4 f(x) - 15) (64 f(x) x^{3} - 48 f(x) x^{2} + 12 f(x) x + 16 x^{2} - f(x) - 7 x + 1)$$

Sequence: A327999
Score: 6.85636
Type of gen. func.: ogf

{a(n + 3) - 12 a(n + 2) + 48 a(n + 1) - 64 a(n), a(0) = 1, a(1) = 5, a(2) = 28}

Sequence: A328000
Score: 13.8629
Type of gen. func.: ogf

$$-\frac{(4 x^{2} - x - 1)^{2}}{(2 x - 1)^{3} (2 x + 1)^{3}}$$

Sequence: A328000
Score: 16.1263
Type of gen. func.: ogf

$$-\frac{(4 x^{2} - x - 1)^{2}}{(2 x - 1)^{3} (2 x + 1)^{3}}$$

Sequence: A328000
Score: 5.41225
Type of gen. func.: ogf

{-a(n + 6) + 12 a(n + 4) - 48 a(n + 2) + 64 a(n), a(0) = 1, a(1) = 2, a(2) = 5,

a(3) = 16, a(4) = 28, a(5) = 96}

Sequence: A328002
Score: 11.949
Type of gen. func.: ogf

$$\frac{-I\,(4\,x^{2}-x-1)}{(2\,x-1)^{5/2}\,(2\,x+1)^{3/2}}$$

Sequence: A328005
Score: 10.4883
Type of gen. func.: ogf

$$-\frac{x\,(x^{7}-x^{6}-x^{5}+2\,x^{3}+1)}{(x+1)\,(x-1)^{3}}$$

Sequence: A328005
Score: 11.6377
Type of gen. func.: ogf

$$-\frac{x\,(x^{7}-x^{6}-x^{5}+2\,x^{3}+1)}{(x+1)\,(x-1)^{3}}$$

Sequence: A328010
Score: 4.23545
Type of gen. func.: ogf

$$-(34\,x^{9}+68\,x^{8}+136\,x^{7}+27\,x^{6}+54\,x^{5}+108\,x^{4}+216\,x^{3}+43\,x^{2}+86\,x+17) \Big/ ((x-1)\,(x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{4}-x^{3}+x^{2}-x+1))$$

Sequence: A328010
Score: 4.41378
Type of gen. func.: ogf

$$- (34 x^9 + 68 x^8 + 136 x^7 + 27 x^6 + 54 x^5 + 108 x^4 + 216 x^3 + 43 x^2 + 86 x + 17) \Big/ ((x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1))$$

Sequence: A328011
Score: 6.32223
Type of gen. func.: ogf

$$- \frac{2 x^6 + 4 x^5 + 8 x^4 + 16 x^3 + 3 x^2 + 6 x + 1}{(x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A328011
Score: 6.73681
Type of gen. func.: ogf

$$- \frac{2 x^6 + 4 x^5 + 8 x^4 + 16 x^3 + 3 x^2 + 6 x + 1}{(x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A328055
Score: 7.75562
Type of gen. func.: egf]

$$-I (2 I \ln(x - 1) - \ln(x^2 - 3 x + 1) I + 2 Pi)$$

Sequence: A328078
Score: 4.08773
Type of gen. func.: ogf

$$- \frac{4 x^{12} - 4 x^{10} + 8 x^9 - 4 x^8 - x^7 + 8 x^6 - 5 x^5 - 2 x^4 + x^3 - 3 x^2 + 1}{(x - 1) (x^2 + 1) (2 x^2 - 1) (4 x^7 - 4 x^6 + 4 x^4 - 2 x^3 + 2 x^2 + x - 1)}$$

Sequence: A328078
Score: 4.25895

Type of gen. func.: ogf

$$-\frac{4x^{12}-4x^{10}+8x^{9}-4x^{8}-x^{7}+8x^{6}-5x^{5}-2x^{4}+x^{3}-3x^{2}+1}{(x-1)(x^{2}+1)(2x^{2}-1)(4x^{7}-4x^{6}+4x^{4}-2x^{3}+2x^{2}+x-1)}$$

Sequence: A328079
Score: 3.70668
Type of gen. func.: ogf

$$\frac{4x^{11}-8x^{10}+4x^{9}+4x^{8}-8x^{7}+7x^{6}-4x^{5}-5x^{4}+2x^{3}-2x^{2}+1}{(x^{2}+1)(2x^{2}-1)(4x^{7}-4x^{6}+4x^{4}-2x^{3}+2x^{2}+x-1)}$$

Sequence: A328079
Score: 3.87613
Type of gen. func.: ogf

$$\frac{4x^{11}-8x^{10}+4x^{9}+4x^{8}-8x^{7}+7x^{6}-4x^{5}-5x^{4}+2x^{3}-2x^{2}+1}{(x^{2}+1)(2x^{2}-1)(4x^{7}-4x^{6}+4x^{4}-2x^{3}+2x^{2}+x-1)}$$

Sequence: A328080
Score: 2.6922
Type of gen. func.: ogf

$$-(16x^{10}+8x^{8}-4x^{7}-12x^{6}-20x^{5}+6x^{4}+18x^{3}-3x^{2}-4x+1)\Big/\left((x-1)(2x-1)(x+1)(16x^{7}-16x^{6}+16x^{5}+8x^{4}-20x^{3}+5x-1)\right)$$

Sequence: A328080
Score: 2.8132
Type of gen. func.: ogf

$$-(16x^{10}+8x^{8}-4x^{7}-12x^{6}-20x^{5}+6x^{4}+18x^{3}-3x^{2}-4x+1)\Big/\left((x-1)(2x-1)(x+1)(16x^{7}-16x^{6}+16x^{5}+8x^{4}-20x^{3}+5x-1)\right)$$

Sequence: A328088
Score: 8.46228
Type of gen. func.: ogf

$$\frac{288 x^{6} - 1128 x^{5} + 1772 x^{4} - 1406 x^{3} + 551 x^{2} - 80 x - 1}{(-1 + 3 x)^{2} (x - 1)^{2} (2 x - 1)^{3}}$$

Sequence: A328088
Score: 9.11955
Type of gen. func.: ogf

$$\frac{288 x^{6} - 1128 x^{5} + 1772 x^{4} - 1406 x^{3} + 551 x^{2} - 80 x - 1}{(-1 + 3 x)^{2} (x - 1)^{2} (2 x - 1)^{3}}$$

Sequence: A328121
Score: 5.86623
Type of gen. func.: egf]

$$-8 f(x)^{3} x^{3} + 37 f(x)^{3} x^{2} - 48 f(x)^{3} x + 8 f(x)^{3} - 4 f(x) x^{2} + 12 f(x) x$$

$$- 6 f(x) - 2$$

Sequence: A328141
Score: 3.87975
Type of gen. func.: ogf

$$\{a(n + 1) n^{2} + a(n) n^{2} + a(n + 3) n + 3 a(n + 1) n + a(n) n + 3 a(n + 3)$$

$$- 2 a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 2\}$$

Sequence: A328141
Score: 4.83226
Type of gen. func.: egf]

$$2^{1/2} \left(\exp(-1/2) 2^{1/2} + 2 \mathrm{Pi}^{1/2} \operatorname{erf}\left(\frac{2^{1/2} (x - 1)}{2}\right) + 2 \operatorname{erf}\left(\frac{2^{1/2}}{2}\right) \mathrm{Pi}^{1/2} \right.$$

```
   1/2 ----------------------------------------------------------------------
                                        exp(-1/2)
```

Sequence: A328148
Score: 4.78455
Type of gen. func.: ogf

$$-\left(51 x^{9} + 5263 x^{8} + 41530 x^{7} + 127402 x^{6} + 785704 x^{5} + 1621504 x^{4} + 911542 x^{3} + 132550 x^{2} + 3253 x + 1\right) \Big/ (x - 1)^{11}$$

Sequence: A328152
Score: 16.5216
Type of gen. func.: ogf

$$\frac{x^{2} (x + 1) (x - 2)}{(x - 1)^{5}}$$

Sequence: A328152
Score: 19.7453
Type of gen. func.: ogf

$$\frac{x^{2} (x + 1) (x - 2)}{(x - 1)^{5}}$$

Sequence: A328152
Score: 4.87686
Type of gen. func.: ogf

$\{a(n + 5) - 5 a(n + 4) + 10 a(n + 3) - 10 a(n + 2) + 5 a(n + 1) - a(n),$

$a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 11, a(4) = 34\}$

Sequence: A328180
Score: 11.9078
Type of gen. func.: ogf

$$\frac{x^5 (x^5 - 3 x^4 - 3 x^3 + 13 x^2 - 6 x - 6)}{(x - 1)^3}$$

Sequence: A328180
Score: 13.4443
Type of gen. func.: ogf

$$\frac{x^5 (x^5 - 3 x^4 - 3 x^3 + 13 x^2 - 6 x - 6)}{(x - 1)^3}$$

Sequence: A328184
Score: 5.1449
Type of gen. func.: ogf

$$- \frac{4 (x^{11} + x^{10} - x^8 - x^7 - x^6 - 4 x^5 - 7 x^4 - 3 x^3 - 5 x^2 - 2 x - 1)}{(x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2}$$

Sequence: A328184
Score: 5.41044
Type of gen. func.: ogf

$$- \frac{4 (x^{11} + x^{10} - x^8 - x^7 - x^6 - 4 x^5 - 7 x^4 - 3 x^3 - 5 x^2 - 2 x - 1)}{(x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2}$$

Sequence: A328185
Score: 4.84733
Type of gen. func.: ogf

$$- (x^{11} - x^{10} - x^9 - 5 x^8 - 3 x^7 - 3 x^6 - 7 x^5 - 11 x^4 - 5 x^3 - 7 x^2 - 3 x - 1) \Big/ ((x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2)$$

Sequence: A328185
Score: 5.08379
Type of gen. func.: ogf

$$-\left(x^{11} - x^{10} - x^{9} - 5 x^{8} - 3 x^{7} - 3 x^{6} - 7 x^{5} - 11 x^{4} - 5 x^{3} - 7 x^{2} - 3 x - 1\right) \Big/ \left((x - 1)^{2} (x + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2}\right)$$

Sequence: A328241
Score: 6.90053
Type of gen. func.: ogf

$$- x \left(5 x^{35} - 4 x^{34} + 4 x^{33} - x^{32} - 4 x^{31} + 2 x^{20} - 2 x^{19} + 7 x^{18} - 3 x^{17} - 3 x^{16} - x^{15} + x^{4} + x^{3} + 2 x^{2} + 3 x - 8\right) \Big/ (x - 1)^{2}$$

Sequence: A328241
Score: 7.2544
Type of gen. func.: ogf

$$- x \left(5 x^{35} - 4 x^{34} + 4 x^{33} - x^{32} - 4 x^{31} + 2 x^{20} - 2 x^{19} + 7 x^{18} - 3 x^{17} - 3 x^{16} - x^{15} + x^{4} + x^{3} + 2 x^{2} + 3 x - 8\right) \Big/ (x - 1)^{2}$$

Sequence: A328263
Score: 10.5285
Type of gen. func.: ogf

$$- \frac{5 x^{3} + 4 x^{2} + 5 x + 1}{(x - 1) (x^{2} + x + 1)}$$

Sequence: A328263
Score: 11.8243
Type of gen. func.: ogf

$$- \frac{5 x^{3} + 4 x^{2} + 5 x + 1}{}$$

$$(x - 1) (x^2 + x + 1)$$

Sequence: A328263
Score: 8.44592
Type of gen. func.: ogf

$$-(447 f(x) + 197) (f(x) x^3 + 5 x^3 + 4 x^2 - f(x) + 5 x + 1)$$

Sequence: A328263
Score: 8.73385
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 1), a(0) = 1, a(1) = 5, a(2) = 4, a(3) = 6\}$$

Sequence: A328265
Score: 3.8778
Type of gen. func.: ogf

$$-(2 f(x) x - f(x) + 1)^3$$

Sequence: A328284
Score: 11.3167
Type of gen. func.: ogf

$$\frac{x^2 (x^2 + x - 1)}{(x + 1) (2 x - 1)}$$

Sequence: A328284
Score: 4.82189
Type of gen. func.: ogf

$$\{-a(n + 5) + a(n + 4) + 2 a(n + 3), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 0, a(4) = 1\}$$

Sequence: A328284
Score: 7.01921

Type of gen. func.: ogf

$$x^4 - 2 f(x) x^2 + x^3 - f(x) x - x^2 + f(x)$$

Sequence: A328284
Score: 9.72838
Type of gen. func.: ogf

$$\frac{x^2 (x^2 + x - 1)}{(x + 1) (2 x - 1)}$$

Sequence: A328286
Score: 10.68
Type of gen. func.: egf]

$$f(x) x^2 + 2 f(x) x - 2 f(x) + 2 x + 2$$

Sequence: A328286
Score: 14.952
Type of gen. func.: egf]

$$- \frac{2 (x + 1)}{x^2 + 2 x - 2}$$

Sequence: A328286
Score: 18.1849
Type of gen. func.: egf]

$$- \frac{2 (x + 1)}{x^2 + 2 x - 2}$$

Sequence: A328301
Score: 7.35641
Type of gen. func.: ogf

$$- \frac{1}{}$$

$$(x + 1) (x^2 + 1) (x^2 + x + 1) (x^6 + x^3 + 1) (x^{18} + x^9 + 1) (x - 1)^3$$

Sequence: A328301
Score: 7.87265
Type of gen. func.: ogf

$$- \frac{1}{(x + 1) (x^2 + 1) (x^2 + x + 1) (x^6 + x^3 + 1) (x^{18} + x^9 + 1) (x - 1)^3}$$

Sequence: A328332
Score: 12.9163
Type of gen. func.: ogf

$$\frac{10 x^3 - 5 x^2 + 4 x + 1}{(x - 1) (10 x^2 - 1)}$$

Sequence: A328332
Score: 14.6677
Type of gen. func.: ogf

$$\frac{10 x^3 - 5 x^2 + 4 x + 1}{(x - 1) (10 x^2 - 1)}$$

Sequence: A328332
Score: 6.7609
Type of gen. func.: ogf

$\{-a(n + 4) + a(n + 3) + 10 a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 5,$

$a(2) = 10, a(3) = 60\}$

Sequence: A328332
Score: 6.97899
Type of gen. func.: ogf

$(13 + 43 f(x))$

$$(10 f(x) x^3 - 10 f(x) x^2 - 10 x^3 - f(x) x + 5 x^2 + f(x) - 4 x - 1)$$

Sequence: A328333
Score: 13.1976
Type of gen. func.: ogf

$$-\frac{6 x^2 - 4 x - 1}{(x - 1) (10 x^2 - 1)}$$

Sequence: A328333
Score: 15.1528
Type of gen. func.: ogf

$$-\frac{6 x^2 - 4 x - 1}{(x - 1) (10 x^2 - 1)}$$

Sequence: A328333
Score: 6.65246
Type of gen. func.: ogf

$$-(7195 f(x) + 4367) (10 f(x) x^3 - 10 f(x) x^2 - f(x) x + 6 x^2 + f(x) - 4 x - 1)$$

Sequence: A328333
Score: 7.71937
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 10 a(n + 1) - 10 a(n), a(0) = 1, a(1) = 5, a(2) = 9\}$$

Sequence: A328348
Score: 14.202
Type of gen. func.: ogf

$$-\frac{x}{(x - 1) (20 x - 1) (2 x - 1)}$$

Sequence: A328348
Score: 16.6719
Type of gen. func.: ogf

$$-\frac{x}{(x-1)(20x-1)(2x-1)}$$

Sequence: A328348
Score: 7.16736
Type of gen. func.: ogf

{-a(n + 3) + 23 a(n + 2) - 62 a(n + 1) + 40 a(n), a(0) = 0, a(1) = 1, a(2) = 23

}

Sequence: A328348
Score: 7.4457
Type of gen. func.: ogf

$$(23 f(x) + 1) (40 f(x) x^3 - 62 f(x) x^2 + 23 f(x) x - f(x) + x)$$

Sequence: A328350
Score: 15.8663
Type of gen. func.: ogf

$$-\frac{x}{(x-1)(3x-1)(30x-1)}$$

Sequence: A328350
Score: 18.6256
Type of gen. func.: ogf

$$-\frac{x}{(x-1)(3x-1)(30x-1)}$$

Sequence: A328350
Score: 7.93314
Type of gen. func.: ogf

$$\{-a(n + 3) + 34 a(n + 2) - 123 a(n + 1) + 90 a(n), a(0) = 0, a(1) = 1, a(2) = 34\}$$

Sequence: A328350
Score: 8.23826
Type of gen. func.: ogf

$$(34 f(x) + 1) (90 f(x) x^3 - 123 f(x) x^2 + 34 f(x) x - f(x) + x)$$

Sequence: A328351
Score: 13.3278
Type of gen. func.: ogf

$$- \frac{x}{(x - 1) (4 x - 1) (40 x - 1)}$$

Sequence: A328351
Score: 15.6457
Type of gen. func.: ogf

$$- \frac{x}{(x - 1) (4 x - 1) (40 x - 1)}$$

Sequence: A328351
Score: 6.60278
Type of gen. func.: ogf

$$\{a(n + 3) - 45 a(n + 2) + 204 a(n + 1) - 160 a(n), a(0) = 0, a(1) = 1, a(2) = 45\}$$

Sequence: A328351
Score: 6.85431
Type of gen. func.: ogf

$$(45 f(x) + 1) (160 f(x) x^3 - 204 f(x) x^2 + 45 f(x) x - f(x) + x)$$

Sequence: A328352
Score: 14.0237
Type of gen. func.: ogf

$$-\frac{x}{(x-1)(50x-1)(5x-1)}$$

Sequence: A328352
Score: 16.4626
Type of gen. func.: ogf

$$-\frac{x}{(x-1)(50x-1)(5x-1)}$$

Sequence: A328352
Score: 6.9475
Type of gen. func.: ogf

$$\{-a(n+3) + 56\,a(n+2) - 305\,a(n+1) + 250\,a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 56\}$$

Sequence: A328352
Score: 7.21217
Type of gen. func.: ogf

$$(56\,f(x) + 1)\,(250\,f(x)\,x^3 - 305\,f(x)\,x^2 + 56\,f(x)\,x - f(x) + x)$$

Sequence: A328353
Score: 14.5589
Type of gen. func.: ogf

$$-\frac{x}{(x-1)(6x-1)(60x-1)}$$

Sequence: A328353
Score: 17.0909
Type of gen. func.: ogf

$$-\frac{x}{\ }$$

$$(x - 1) (6 x - 1) (60 x - 1)$$

Sequence: A328353
Score: 7.21267
Type of gen. func.: ogf

$$\{-a(n + 3) + 67 a(n + 2) - 426 a(n + 1) + 360 a(n), a(0) = 0, a(1) = 1, a(2) = 67\}$$

Sequence: A328353
Score: 7.48744
Type of gen. func.: ogf

$$(67 f(x) + 1) (360 f(x) x^3 - 426 f(x) x^2 + 67 f(x) x - f(x) + x)$$

Sequence: A328354
Score: 15.0406
Type of gen. func.: ogf

$$- \frac{x}{(x - 1) (70 x - 1) (7 x - 1)}$$

Sequence: A328354
Score: 17.6564
Type of gen. func.: ogf

$$- \frac{x}{(x - 1) (70 x - 1) (7 x - 1)}$$

Sequence: A328354
Score: 7.45133
Type of gen. func.: ogf

$$\{a(n + 3) - 78 a(n + 2) + 567 a(n + 1) - 490 a(n), a(0) = 0, a(1) = 1, a(2) = 78\}$$

Sequence: A328354

Score: 7.73519
Type of gen. func.: ogf

$$(78 f(x) + 1) (490 f(x) x^3 - 567 f(x) x^2 + 78 f(x) x - f(x) + x)$$

Sequence: A328355
Score: 13.4315
Type of gen. func.: ogf

$$- \frac{x}{(x - 1) (80 x - 1) (-1 + 8 x)}$$

Sequence: A328355
Score: 15.7674
Type of gen. func.: ogf

$$- \frac{x}{(x - 1) (80 x - 1) (-1 + 8 x)}$$

Sequence: A328355
Score: 6.65415
Type of gen. func.: ogf

{-a(n + 3) + 89 a(n + 2) - 728 a(n + 1) + 640 a(n), a(0) = 0, a(1) = 1,

a(2) = 89}

Sequence: A328355
Score: 6.90764
Type of gen. func.: ogf

$$(89 f(x) + 1) (640 f(x) x^3 - 728 f(x) x^2 + 89 f(x) x - f(x) + x)$$

Sequence: A328356
Score: 11.2261
Type of gen. func.: ogf

$$- \frac{45 x}{(x - 1) (9 x - 1) (90 x - 1)}$$

Sequence: A328356
Score: 13.1369
Type of gen. func.: ogf

$$-\frac{45\,x}{(x-1)\,(9\,x-1)\,(90\,x-1)}$$

Sequence: A328356
Score: 5.46403
Type of gen. func.: ogf

$$\{-a(n+3)+100\,a(n+2)-909\,a(n+1)+810\,a(n),\ a(0)=0,\ a(1)=45,\ a(2)=4500\}$$

Sequence: A328356
Score: 5.77042
Type of gen. func.: ogf

$$(20\,f(x)+9)\,(810\,f(x)\,x^3-909\,f(x)\,x^2+100\,f(x)\,x-f(x)+45\,x)$$

Sequence: A328426
Score: 6.59005
Type of gen. func.: ogf

$$\frac{\mathrm{hypergeom}\left([1/4,\,3/4],\,[1],\,\dfrac{64\,x\,(1+3\,x)}{(16\,x+1)^2}\right)}{(16\,x+1)^{1/2}}$$

Sequence: A328494
Score: 10.0988
Type of gen. func.: ogf

$$-\frac{x-1+2\,(-11\,x^2-2\,x+1)^{1/2}}{(1+3\,x)\,(5\,x-1)}$$

Sequence: A328494
Score: 8.56201
Type of gen. func.: ogf

$$15 f(x)^2 x^2 + 2 f(x)^2 x - f(x)^2 + 2 f(x) x - 2 f(x) + 3$$

Sequence: A328539
Score: 6.24895
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^5 + 3 x^4 + 2 x^3 + 2 x^2 + 2 x + 3}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A328540
Score: 3.95893
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 x^9 + 3 x^8 + 2 x^7 + 3 x^6 + 2 x^5 + 2 x^4 + 2 x^3 + 3 x^2 + 2 x + 3}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A328542
Score: 5.85462
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3 x^7 + 4 x^6 + 3 x^5 + 4 x^4 + 2 x^3 + 4 x^2 + 3 x + 4}{(x - 1) (x + 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A328543
Score: 3.78728
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{4 x^9 + 5 x^8 + 4 x^7 + 5 x^6 + 4 x^5 + 4 x^4 + 4 x^3 + 5 x^2 + 4 x + 5}{(x - 1) (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A328545
Score: 4.12799
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{(x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)}{(x-1)(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)}$$

Sequence: A328546
Score: 3.98357
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1}{(x-1)(x+1)(x^{2}+x+1)(x^{2}-x+1)(x^{2}+1)(x^{4}-x^{2}+1)}$$

Sequence: A328547
Score: 13.8119
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2(x+1)}{(x-1)(x^{2}+x+1)}$$

Sequence: A328548
Score: 6.93807
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2(x^{4}+x^{3}+x^{2}+x+1)}{(x-1)(x+1)(x^{2}+x+1)(x^{2}-x+1)}$$

Sequence: A328551
Score: 6.18884
Type of gen. func.: ogf

$-3x^{3}\;($

7 6 5 4 3 2

$$160 x - 2226 x + 9879 x - 17534 x + 1626 x + 42906 x + 10327 x + 222) / (x - 1)^9$$

Sequence: A328551
Score: 6.65592
Type of gen. func.: ogf

$$- 3 x^3 (160 x^7 - 2226 x^6 + 9879 x^5 - 17534 x^4 + 1626 x^3 + 42906 x^2 + 10327 x + 222) / (x - 1)^9$$

Sequence: A328585
Score: 4.86892
Type of gen. func.: ogf

$$(x + 1) (x^2 + x + 1) (x^{14} + x^{11} + x^7 + x^4 + 1) / ((x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A328585
Score: 5.04127
Type of gen. func.: ogf

$$(x + 1) (x^2 + x + 1) (x^{14} + x^{11} + x^7 + x^4 + 1) / ((x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A328586
Score: 7.15714
Type of gen. func.: ogf

$$\frac{6\,(x^{16} + 2\,x^{15} + 2\,x^{14} + 2\,x^{2} + 2\,x + 1)}{(x + 1)\,(x^{2} + 1)\,(x^{12} - x^{10} + x^{8} - x^{6} + x^{4} - x^{2} + 1)\,(x - 1)^{2}}$$

Sequence: A328586
Score: 7.53885
Type of gen. func.: ogf

$$\frac{6\,(x^{16} + 2\,x^{15} + 2\,x^{14} + 2\,x^{2} + 2\,x + 1)}{(x + 1)\,(x^{2} + 1)\,(x^{12} - x^{10} + x^{8} - x^{6} + x^{4} - x^{2} + 1)\,(x - 1)^{2}}$$

Sequence: A328588
Score: 10.9242
Type of gen. func.: ogf

$$- \frac{2\,(3\,x^{77} + 2\,x^{76} + 2\,x^{75} - 3\,x^{3} - 6\,x^{2} - 6\,x - 3)}{x^{77} + 2\,x^{76} - 2\,x^{75} + 3\,x^{4} - 6\,x^{2} + 3}$$

Sequence: A328588
Score: 11.7116
Type of gen. func.: ogf

$$- \frac{2\,(3\,x^{77} + 2\,x^{76} + 2\,x^{75} - 3\,x^{3} - 6\,x^{2} - 6\,x - 3)}{x^{77} + 2\,x^{76} - 2\,x^{75} + 3\,x^{4} - 6\,x^{2} + 3}$$

Sequence: A328604
Score: 11.0071
Type of gen. func.: ogf

$$\{a(n + 2) - 2\,a(n + 1) - 9\,a(n),\ a(0) = 1,\ a(1) = 9\}$$

Sequence: A328604
Score: 18.1005
Type of gen. func.: ogf

$$-\frac{1 + 7 x}{9 x^2 + 2 x - 1}$$

Sequence: A328604
Score: 22.0142
Type of gen. func.: ogf

$$-\frac{1 + 7 x}{9 x^2 + 2 x - 1}$$

Sequence: A328604
Score: 9.15196
Type of gen. func.: ogf

$$-(2 f(x) + 7) (9 f(x) x^2 + 2 f(x) x - f(x) + 7 x + 1)$$

Sequence: A328605
Score: 12.0826
Type of gen. func.: ogf

$$-\frac{15 x^3 + 2 x^2 - 5 x - 1}{25 x^4 - 12 x^2 + 1}$$

Sequence: A328605
Score: 13.6937
Type of gen. func.: ogf

$$-\frac{15 x^3 + 2 x^2 - 5 x - 1}{25 x^4 - 12 x^2 + 1}$$

Sequence: A328605
Score: 7.33589
Type of gen. func.: ogf

$$-(242 f(x) + 425) (25 f(x) x^4 - 12 f(x) x^2 + 15 x^3 + 2 x^2 + f(x) - 5 x - 1)$$

Sequence: A328605
Score: 8.0551
Type of gen. func.: ogf

$$\{-a(n + 4) + 12 a(n + 2) - 25 a(n), a(0) = 1, a(1) = 5, a(2) = 10, a(3) = 45\}$$

Sequence: A328606
Score: 11.189
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) - 11 a(n), a(0) = 1, a(1) = 11\}$$

Sequence: A328606
Score: 18.4862
Type of gen. func.: ogf

$$-\frac{9 x + 1}{11 x^2 + 2 x - 1}$$

Sequence: A328606
Score: 22.378
Type of gen. func.: ogf

$$-\frac{9 x + 1}{11 x^2 + 2 x - 1}$$

Sequence: A328606
Score: 9.14369
Type of gen. func.: ogf

$$-(20 f(x) + 101) (11 f(x) x^2 + 2 f(x) x - f(x) + 9 x + 1)$$

Sequence: A328652
Score: 6.79967

Type of gen. func.: ogf

$$\frac{x\,(2\,x^{6}-2\,x^{5}+x^{4}-x^{3}+x^{2}+x+1)}{(x^{2}+1)\,(x+1)^{2}\,(x^{2}+x+1)^{2}\,(x-1)^{6}}$$

Sequence: A328652
Score: 7.2646
Type of gen. func.: ogf

$$\frac{x\,(2\,x^{6}-2\,x^{5}+x^{4}-x^{3}+x^{2}+x+1)}{(x^{2}+1)\,(x+1)^{2}\,(x^{2}+x+1)^{2}\,(x-1)^{6}}$$

Sequence: A328683
Score: 12.0776
Type of gen. func.: ogf

$$-\frac{81\,(10\,x^{2}-1)}{(10\,x-1)^{2}\,(x-1)^{2}}$$

Sequence: A328683
Score: 14.0906
Type of gen. func.: ogf

$$-\frac{81\,(10\,x^{2}-1)}{(10\,x-1)^{2}\,(x-1)^{2}}$$

Sequence: A328683
Score: 4.39186
Type of gen. func.: ogf

$\{-a(n + 4) + 22\, a(n + 3) - 141\, a(n + 2) + 220\, a(n + 1) - 100\, a(n),\ a(0) = 81,$

$a(1) = 1782,\ a(2) = 26973,\ a(3) = 359964\}$

Sequence: A328683
Score: 4.50898
Type of gen. func.: ogf

$(30681828 f(x) - 213623605)$

$$(100 f(x) x^4 - 220 f(x) x^3 + 141 f(x) x^2 - 22 f(x) x + 810 x^2 + f(x) - 81)$$

Sequence: A328752
Score: 10.1224
Type of gen. func.: ogf

$$- \frac{2 x^{12} - 2 x^{11} - 10 x^4 + 10 x^3 + 8 x^2 - 8 x - 1}{(x - 1)^2}$$

Sequence: A328752
Score: 11.2317
Type of gen. func.: ogf

$$- \frac{2 x^{12} - 2 x^{11} - 10 x^4 + 10 x^3 + 8 x^2 - 8 x - 1}{(x - 1)^2}$$

Sequence: A328778
Score: 14.8513
Type of gen. func.: ogf

$$\frac{9 x^2 + 4 x - 1}{7 x - 1}$$

Sequence: A328778
Score: 18.4517
Type of gen. func.: ogf

$$\frac{9 x^2 + 4 x - 1}{7 x - 1}$$

Sequence: A328778
Score: 7.90785
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2), a(0) = 1, a(1) = 3, a(2) = 12\}$$

Sequence: A328778
Score: 8.11873
Type of gen. func.: ogf

$$(f(x) - 1) (7 f(x) x - 9 x^2 - f(x) - 4 x + 1)$$

Sequence: A328789
Score: 4.70455
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x (x + 1) (x^6 - x^5 + x^4 - x^3 + x^2 - x + 1)}{(x - 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1)}$$

Sequence: A328790
Score: 4.61658
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 (x^{10} - x^9 + x^8 + x^6 + x^4 + x^2 - x + 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x^4 - x^2 + 1)}$$

Sequence: A328791
Score: 11.144
Type of gen. func.: ogf

$$- \frac{28 x^2 - 77 x + 3}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A328791
Score: 5.22374

Type of gen. func.: ogf

$$(12946644 f(x) - 8573465)$$

$$(f(x) x^3 - 35 f(x) x^2 + 35 f(x) x + 28 x^2 - f(x) - 77 x + 3)$$

Sequence: A328791
Score: 6.1343
Type of gen. func.: ogf

$$\{-a(n + 3) + 35 a(n + 2) - 35 a(n + 1) + a(n), a(0) = 3, a(1) = 28, a(2) = 903\}$$

Sequence: A328791
Score: 9.83292
Type of gen. func.: ogf

$$- \frac{28 x^2 - 77 x + 3}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A328795
Score: 5.10551
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 (x^6 - x^5 + x^4 - x^3 + x^2 - x + 1)}{(x^2 + 1) (x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A328796
Score: 4.58538
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{10} - x^9 + x^8 + x^6 + x^4 + x^2 - x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^2 + 1) (x^4 - x^2 + 1)}$$

Sequence: A328797
Score: 4.30227
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{2\,(x^{10}+x^{6}+x^{5}+x^{4}+1)}{(x-1)\,(x+1)\,(x^{2}+x+1)\,(x^{2}-x+1)\,(x^{2}+1)\,(x^{4}-x^{2}+1)}$$

Sequence: A328798
Score: 9.09211
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{(x^{2}+1)^{2}}{(x-1)\,(x+1)\,(x^{2}+x+1)\,(x^{2}-x+1)}$$

Sequence: A328800
Score: 3.51826
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^{10}+x^{6}+x^{5}+x^{4}+1}{(x-1)\,(x+1)\,(x^{2}+x+1)\,(x^{2}-x+1)\,(x^{2}+1)\,(x^{4}-x^{2}+1)}$$

Sequence: A328802
Score: 4.1669
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{6}-x^{5}+x^{4}-x^{3}+x^{2}-x+1}{(x^{2}+1)\,(x-1)\,(x+1)\,(x^{2}+x+1)\,(x^{2}-x+1)}$$

Sequence: A328824
Score: 11.1443
Type of gen. func.: ogf

$$-\frac{x}{(x-1)\,(2\,x+1)\,(4\,x^{2}-2\,x+1)}$$

Sequence: A328824
Score: 5.13605
Type of gen. func.: ogf

$\{-a(n + 4) + a(n + 3) - 8 a(n + 1) + 8 a(n), a(0) = 0, a(1) = 1, a(2) = 1, a(3) = 1\}$

Sequence: A328824
Score: 5.96612
Type of gen. func.: ogf

$$(7 f(x) - 3) (8 f(x) x^4 - 8 f(x) x^3 + f(x) x - f(x) + x)$$

Sequence: A328824
Score: 9.68272
Type of gen. func.: ogf

$$- \frac{x}{(x - 1) (2 x + 1) (4 x^2 - 2 x + 1)}$$

Sequence: A328834
Score: 11.208
Type of gen. func.: ogf

$$- \frac{(1 + 3 x) (7 x^6 + 1) (25 x^4 + 5 x^2 + 1) (49 x^{12} + 1)}{11 x^{24} - 1}$$

Sequence: A328834
Score: 12.1619
Type of gen. func.: ogf

$$- \frac{(1 + 3 x) (7 x^6 + 1) (25 x^4 + 5 x^2 + 1) (49 x^{12} + 1)}{11 x^{24} - 1}$$

Sequence: A328865
Score: 11.7745

Type of gen. func.: ogf

$$-\frac{(x^2 + x + 1)(x^6 + x^3 + 1)}{x - 1}$$

Sequence: A328865
Score: 13.3187
Type of gen. func.: ogf

$$-\frac{(x^2 + x + 1)(x^6 + x^3 + 1)}{x - 1}$$

Sequence: A328865
Score: 4.56429
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) + a(n + 1), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 4,

a(4) = 5, a(5) = 6, a(6) = 7, a(7) = 8, a(8) = 9, a(9) = 9}

Sequence: A328881
Score: 10.5051
Type of gen. func.: ogf

$$\frac{x^3 - x^2 + 2 x - 1}{(2 x - 1)(x + 1)(x^2 - x + 1)}$$

Sequence: A328881
Score: 6.13498
Type of gen. func.: ogf

$$-(31 f(x) - 37)(2 f(x) x^4 - f(x) x^3 - x^3 + 2 f(x) x + x^2 - f(x) - 2 x + 1)$$

Sequence: A328881
Score: 6.72696
Type of gen. func.: ogf

$\{-a(n + 4) + 2 a(n + 3) - a(n + 1) + 2 a(n), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 0\}$

Sequence: A328881
Score: 9.46757
Type of gen. func.: ogf

$$\frac{x^3 - x^2 + 2 x - 1}{(2 x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A328882
Score: 6.2392
Type of gen. func.: ogf

$$(514 x^{11} - 768 x^{10} + 128 x^9 + 64 x^8 + 32 x^7 + 16 x^6 + 8 x^5 + 4 x^4 + 2 x^3 + x^2 - x + 1) / ((2 x^{10} - 1) (x - 1)^2)$$

Sequence: A328882
Score: 6.61449
Type of gen. func.: ogf

$$(514 x^{11} - 768 x^{10} + 128 x^9 + 64 x^8 + 32 x^7 + 16 x^6 + 8 x^5 + 4 x^4 + 2 x^3 + x^2 - x + 1) / ((2 x^{10} - 1) (x - 1)^2)$$

Sequence: A328886
Score: 4.18298
Type of gen. func.: ogf

$\{a(n + 5) - a(n + 4) - 2 a(n + 3) + 2 a(n + 2) + a(n + 1) - a(n), a(0) = 1444, a(1) = 213444, a(2) = 289444, a(3) = 925444, a(4) = 1077444\}$

Sequence: A328886
Score: 8.83596
Type of gen. func.: ogf

$$-\frac{4\,(361\,x^{4} + 53000\,x^{3} + 18278\,x^{2} + 53000\,x + 361)}{(x + 1)^{2}\,(x - 1)^{3}}$$

Sequence: A328886
Score: 9.70865
Type of gen. func.: ogf

$$-\frac{4\,(361\,x^{4} + 53000\,x^{3} + 18278\,x^{2} + 53000\,x + 361)}{(x + 1)^{2}\,(x - 1)^{3}}$$

Sequence: A328890
Score: 15.6285
Type of gen. func.: ogf

$$\frac{4\,x^{2} - x - 1}{(x - 1)\,(2\,x - 1)^{2}}$$

Sequence: A328890
Score: 18.4069
Type of gen. func.: ogf

$$\frac{4\,x^{2} - x - 1}{(x - 1)\,(2\,x - 1)^{2}}$$

Sequence: A328890
Score: 7.01958
Type of gen. func.: ogf

$$-(f(x) - 1663)\,(4\,f(x)\,x^{3} - 8\,f(x)\,x^{2} + 5\,f(x)\,x - 4\,x^{2} - f(x) + x + 1)$$

Sequence: A328890
Score: 7.88868

Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 8 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 6, a(2) = 18\}$$

Sequence: A328916
Score: 11.6831
Type of gen. func.: ogf

$$\frac{x^3 (x - 1)}{(10 x - 1) (x^3 - 10 x + 1)}$$

Sequence: A328916
Score: 13.5157
Type of gen. func.: ogf

$$\frac{x^3 (x - 1)}{(10 x - 1) (x^3 - 10 x + 1)}$$

Sequence: A328916
Score: 4.41861
Type of gen. func.: ogf

$$\{-a(n + 5) + 20 a(n + 4) - 100 a(n + 3) - a(n + 2) + 10 a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1, a(4) = 19\}$$

Sequence: A328916
Score: 5.34343
Type of gen. func.: ogf

$$-f(x) (10 f(x) x^4 - f(x) x^3 - x^4 - 100 f(x) x^2 + x^3 + 20 f(x) x - f(x))$$

Sequence: A328943
Score: 14.7145
Type of gen. func.: ogf

$$(194 f(x) + 281) (f(x) x^4 + 5 x^3 + 4 x^2 - f(x) + 3 x + 2)$$

Sequence: A328943
Score: 15.8045
Type of gen. func.: ogf

$$-\frac{5 x^3 + 4 x^2 + 3 x + 2}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A328943
Score: 16.002
Type of gen. func.: ogf

{a(n + 4) - a(n), a(0) = 2, a(1) = 3, a(2) = 4, a(3) = 5}

Sequence: A328943
Score: 17.5365
Type of gen. func.: ogf

$$-\frac{5 x^3 + 4 x^2 + 3 x + 2}{(x - 1) (x + 1) (x^2 + 1)}$$

Sequence: A328984
Score: 10.4518
Type of gen. func.: ogf

$$\frac{3 x^4 + 2 x^3 + 6 x^2 + 3 x + 1}{(x^2 + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A328984
Score: 5.70774
Type of gen. func.: ogf

{a(n + 6) - a(n + 4) - a(n + 2) + a(n), a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 5,

a(4) = 11, a(5) = 8}

Sequence: A328984
Score: 9.46813
Type of gen. func.: ogf

$$\frac{3x^4 + 2x^3 + 6x^2 + 3x + 1}{(x^2 + 1)(x - 1)^2 (x + 1)^2}$$

Sequence: A328985
Score: 5.36105
Type of gen. func.: ogf

{a(n + 5) + a(n + 4) - a(n + 1) - a(n), a(0) = 2, a(1) = 4, a(2) = -2, a(3) = 6,

a(4) = -3}

Sequence: A328985
Score: 7.71028
Type of gen. func.: ogf

$$-\frac{x^4 + 4x^3 + 2x^2 + 6x + 2}{(x - 1)(x^2 + 1)(x + 1)^2}$$

Sequence: A328985
Score: 8.47179
Type of gen. func.: ogf

$$-\frac{x^4 + 4x^3 + 2x^2 + 6x + 2}{(x - 1)(x^2 + 1)(x + 1)^2}$$

Sequence: A328990
Score: 14.7599
Type of gen. func.: ogf

$$\frac{x + 2}{(x - 1)(x^2 + 2x - 1)}$$

Sequence: A328990
Score: 17.3839
Type of gen. func.: ogf

$$\frac{x + 2}{(x - 1) (x^2 + 2 x - 1)}$$

Sequence: A328990
Score: 7.11159
Type of gen. func.: ogf

$$-(649 f(x) - 23) (f(x) x^3 + f(x) x^2 - 3 f(x) x + f(x) - x - 2)$$

Sequence: A328990
Score: 7.45024
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + a(n + 1) + a(n), a(0) = 2, a(1) = 7, a(2) = 19\}$$

Sequence: A328994
Score: 15.3147
Type of gen. func.: ogf

$$\frac{5 x^3 + 15 x^2 + 9 x + 1}{(x - 1)^6}$$

Sequence: A328994
Score: 18.2318
Type of gen. func.: ogf

$$\frac{5 x^3 + 15 x^2 + 9 x + 1}{(x - 1)^6}$$

Sequence: A328994
Score: 3.71716
Type of gen. func.: ogf

$$\{a(n+6) - 6\,a(n+5) + 15\,a(n+4) - 20\,a(n+3) + 15\,a(n+2) - 6\,a(n+1) + a(n),\ a(0) = 1,\ a(1) = 15,\ a(2) = 90,\ a(3) = 340,\ a(4) = 975,\ a(5) = 2331\}$$

Sequence: A329015
Score: 6.56338
Type of gen. func.: ogf

$$\frac{262680120\,x^{8} - 38516101\,x^{7} + 4378002\,x^{6} - 1}{(12\,x - 1)\,(5\,x - 1)\,(35909933\,x^{7} - 1)}$$

Sequence: A329015
Score: 7.07815
Type of gen. func.: ogf

$$\frac{262680120\,x^{8} - 38516101\,x^{7} + 4378002\,x^{6} - 1}{(12\,x - 1)\,(5\,x - 1)\,(35909933\,x^{7} - 1)}$$

Sequence: A329018
Score: 3.7434
Type of gen. func.: ogf

$$(1296\,x^{8} + 1512\,x^{7} + 1548\,x^{6} + 1554\,x^{5} + 311\,x^{4} + 259\,x^{3} + 43\,x^{2} + 7\,x + 1) \Big/ \left((x - 1)\,(6\,x - 1)\,(x^{4} + x^{3} + x^{2} + x + 1)\,(1296\,x^{4} + 216\,x^{3} + 36\,x^{2} + 6\,x + 1)\right)$$

Sequence: A329018
Score: 3.90269
Type of gen. func.: ogf

$$(1296\,x^{8} + 1512\,x^{7} + 1548\,x^{6} + 1554\,x^{5} + 311\,x^{4} + 259\,x^{3} + 43\,x^{2} + 7\,x + 1)$$

$$\Big/ \left((x - 1) (6 x - 1) (x^4 + x^3 + x^2 + x + 1) (1296 x^4 + 216 x^3 + 36 x^2 + 6 x + 1)\right)$$

Sequence: A329023
Score: 7.95217
Type of gen. func.: ogf

$$\frac{45 x^8 + 42 x^7 - 18 x^6 - 30 x^5 - 77 x^4 - 26 x^3 - 9 x^2 - 3 x - 1}{x^4 + x^3 - 1}$$

Sequence: A329023
Score: 8.59477
Type of gen. func.: ogf

$$\frac{45 x^8 + 42 x^7 - 18 x^6 - 30 x^5 - 77 x^4 - 26 x^3 - 9 x^2 - 3 x - 1}{x^4 + x^3 - 1}$$

Sequence: A329114
Score: 10.8853
Type of gen. func.: ogf

$$6 f(x) x^4 - 7 f(x) x^2 - 3 x^3 - x^2 + f(x)$$

Sequence: A329114
Score: 11.8901
Type of gen. func.: ogf

$$\frac{x^2 (1 + 3 x)}{(x - 1) (x + 1) (6 x^2 - 1)}$$

Sequence: A329114
Score: 13.5589

Type of gen. func.: ogf

$$\frac{x^2 (1 + 3 x)}{(x - 1) (x + 1) (6 x^2 - 1)}$$

Sequence: A329114
Score: 8.05062
Type of gen. func.: ogf

$$\{a(n + 4) - 7 a(n + 2) + 6 a(n), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 3\}$$

Sequence: A329115
Score: 11.7302
Type of gen. func.: ogf

$$\frac{x^2 (2 x + 1)}{(x - 1) (x + 1) (6 x^2 - 1)}$$

Sequence: A329115
Score: 13.3765
Type of gen. func.: ogf

$$\frac{x^2 (2 x + 1)}{(x - 1) (x + 1) (6 x^2 - 1)}$$

Sequence: A329115
Score: 7.94231
Type of gen. func.: ogf

$$\{-a(n + 4) + 7 a(n + 2) - 6 a(n), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 2\}$$

Sequence: A329115
Score: 8.97014
Type of gen. func.: ogf

4 2 3 2

$$f(x) (6 f(x) x - 7 f(x) x - 2 x - x + f(x))$$

Sequence: A329178
Score: 7.57658
Type of gen. func.: ogf

$$\frac{x^4 - x^3 + x^2 - x - 1}{(x - 1) (x^3 - x - 1) (x^3 - x^2 + 2 x - 1)}$$

Sequence: A329178
Score: 8.20146
Type of gen. func.: ogf

$$\frac{x^4 - x^3 + x^2 - x - 1}{(x - 1) (x^3 - x - 1) (x^3 - x^2 + 2 x - 1)}$$

Sequence: A329185
Score: 10.729
Type of gen. func.: ogf

$$\frac{(x - 1) (x^2 + 1)}{2 x^5 - x^4 + 3 x^3 - x^2 + 2 x - 1}$$

Sequence: A329185
Score: 4.74677
Type of gen. func.: ogf

$$\{a(n + 5) - 2 a(n + 4) + a(n + 3) - 3 a(n + 2) + a(n + 1) - 2 a(n), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 5, a(4) = 10\}$$

Sequence: A329185
Score: 9.66935
Type of gen. func.: ogf

$$(x - 1) (x^2 + 1)$$

$$\overline{2 x^{5} - x^{4} + 3 x^{3} - x^{2} + 2 x - 1}$$

Sequence: A329195
Score: 6.8754
Type of gen. func.: ogf

$$- \frac{x^{2} (x^{46} + x^{44} - x^{35} - 2 x^{22} - x^{15} - x^{13} - x^{9} - x^{2} - 1)}{(x - 1) (x^{44} - x^{13} - 1)}$$

Sequence: A329195
Score: 7.31543
Type of gen. func.: ogf

$$- \frac{x^{2} (x^{46} + x^{44} - x^{35} - 2 x^{22} - x^{15} - x^{13} - x^{9} - x^{2} - 1)}{(x - 1) (x^{44} - x^{13} - 1)}$$

Sequence: A329199
Score: 14.5877
Type of gen. func.: ogf

$$- \frac{x (x^{45} + x^{14} + x^{4} + 1)}{x - 1}$$

Sequence: A329199
Score: 16.7095
Type of gen. func.: ogf

$$- \frac{x (x^{45} + x^{14} + x^{4} + 1)}{x - 1}$$

Sequence: A329227
Score: 12.8453
Type of gen. func.: ogf

$$\frac{x^{5}}{(x^{3} - x - 1)(x^{3} - x^{2} + 2x - 1)}$$

Sequence: A329227
Score: 14.7842
Type of gen. func.: ogf

$$\frac{x^{5}}{(x^{3} - x - 1)(x^{3} - x^{2} + 2x - 1)}$$

Sequence: A329227
Score: 4.14584
Type of gen. func.: ogf

$\{a(n + 6) - a(n + 5) - a(n + 4) - a(n + 3) + a(n + 2) - a(n + 1) + a(n),$

$a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 1\}$

Sequence: A329244
Score: 12.4798
Type of gen. func.: ogf

$$-\frac{2x - 1}{(x - 1)(x^{3} - 2x^{2} + 3x - 1)}$$

Sequence: A329244
Score: 14.2314
Type of gen. func.: ogf

$$-\frac{2x - 1}{(x - 1)(x^{3} - 2x^{2} + 3x - 1)}$$

Sequence: A329244
Score: 6.05365
Type of gen. func.: ogf

```
{a(n + 4) - 4 a(n + 3) + 5 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 1, a(1) = 2,

    a(2) = 3, a(3) = 5}



--------------------------------------------------------------------------------

Sequence:  A329244
Score: 6.6491
Type of gen. func.: ogf


                       4           3           2
  (3 f(x) + 10) (f(x) x  - 3 f(x) x  + 5 f(x) x  - 4 f(x) x + f(x) + 2 x - 1)



--------------------------------------------------------------------------------

Sequence:  A329267
Score: 3.8211
Type of gen. func.: ogf


            10   2          8      7      6      5      4      3
           x   (x  + 1) (2 x  + 3 x  + 2 x  + 2 x  + 3 x  + 2 x  + 1)
        - -------------------------------------------------------------
                    10    9    8    7    6    5    4    3    2
          (x - 1) (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1)



--------------------------------------------------------------------------------

Sequence:  A329267
Score: 3.99187
Type of gen. func.: ogf


            10   2          8      7      6      5      4      3
           x   (x  + 1) (2 x  + 3 x  + 2 x  + 2 x  + 3 x  + 2 x  + 1)
        - -------------------------------------------------------------
                    10    9    8    7    6    5    4    3    2
          (x - 1) (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1)



--------------------------------------------------------------------------------

Sequence:  A329279
Score: 15.1183
Type of gen. func.: ogf


                                 5      3
                              3 x  - 8 x  + 8 x + 1
                            - ---------------------
                                       2        3
                                (x + 1)  (x - 1)



--------------------------------------------------------------------------------

Sequence:  A329279
Score: 17.2401
Type of gen. func.: ogf


                                 5      3
```

$$-\frac{3 x - 8 x + 8 x + 1}{(x + 1)^{2} (x - 1)^{3}}$$

Sequence: A329279
Score: 5.22706
Type of gen. func.: ogf

$$\{a(n + 6) - a(n + 5) - 2 a(n + 4) + 2 a(n + 3) + a(n + 2) - a(n + 1), a(0) = 1,$$
$$a(1) = 9, a(2) = 11, a(3) = 19, a(4) = 22, a(5) = 33\}$$

Sequence: A329289
Score: 11.7385
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{5} - x^{3} - x^{2} + 2}{(x - 1) (x + 1)}$$

Sequence: A329290
Score: 3.51888
Type of gen. func.: ogf_with_Euler_transform]

$$(3 x^{14} + x^{13} + 4 x^{12} + 2 x^{11} - x^{10} - 3 x^{9} - 2 x^{7} + 5 x^{6} + 3 x^{5} + 6 x^{4} + 4 x^{3}$$
$$+ x^{2} - x + 2) \Big/ ((x + 1) (x^{2} + 1) (x^{4} + 1) (x^{8} + 1))$$

Sequence: A329301
Score: 16.0599
Type of gen. func.: ogf

$$-\frac{x^{2} + 1}{2 x^{3} - x^{2} + x - 1}$$

Sequence: A329301
Score: 18.6819
Type of gen. func.: ogf

$$-\frac{x^2+1}{2x^3-x^2+x-1}$$

Sequence: A329301
Score: 8.24697
Type of gen. func.: ogf

$$-(f(x)-1)\,(2\,f(x)\,x^3-f(x)\,x^2+f(x)\,x+x^2-f(x)+1)$$

Sequence: A329301
Score: 8.80205
Type of gen. func.: ogf

$$\{a(n+3)-a(n+2)+a(n+1)-2\,a(n),\ a(0)=1,\ a(1)=1,\ a(2)=1\}$$

Sequence: A329305
Score: 3.43954
Type of gen. func.: ogf

$$\{-a(n+2)\,n^3-9\,a(n+2)\,n^2-27\,a(n+2)\,n+a(n+3)-27\,a(n+2)$$
$$-\,a(n+1),\ a(0)=1,\ a(1)=1,\ a(2)=9\}$$

Sequence: A329384
Score: 12.4793
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^7-x^4-x^3+2}{(x-1)\,(x+1)}$$

Sequence: A329404
Score: 4.68525
Type of gen. func.: ogf

$$\{a(n+6)-3\,a(n+4)+3\,a(n+2)-a(n),\ a(0)=0,\ a(1)=1,\ a(2)=4,$$
$$a(3)=21,\ a(4)=20,\ a(5)=65\}$$

Sequence: A329404
Score: 8.52955
Type of gen. func.: ogf

$$-\frac{x\,(5\,x^{4}+8\,x^{3}+18\,x^{2}+4\,x+1)}{(x-1)^{3}\,(x+1)^{3}}$$

Sequence: A329404
Score: 9.50436
Type of gen. func.: ogf

$$-\frac{x\,(5\,x^{4}+8\,x^{3}+18\,x^{2}+4\,x+1)}{(x-1)^{3}\,(x+1)^{3}}$$

Sequence: A329421
Score: 3.71959
Type of gen. func.: ogf

$$x\,(x+1)\,(x^{12}+2\,x^{11}+8\,x^{10}-x^{9}+9\,x^{7}-24\,x^{6}+18\,x^{5}-8\,x^{4}+17\,x^{3}+8\,x^{2}-x+3)\,/\,((x^{4}+x^{2}-1)\,(x^{4}-x^{2}-1)\,(x^{4}-4\,x^{2}-1)\,(x^{4}+4\,x^{2}-1))$$

Sequence: A329421
Score: 3.86061
Type of gen. func.: ogf

$$x\,(x+1)\,(x^{12}+2\,x^{11}+8\,x^{10}-x^{9}+9\,x^{7}-24\,x^{6}+18\,x^{5}-8\,x^{4}+17\,x^{3}+8\,x^{2}-x+3)\,/\,((x^{4}+x^{2}-1)\,(x^{4}-x^{2}-1)\,(x^{4}-4\,x^{2}-1)\,(x^{4}+4\,x^{2}-1))$$

Sequence: A329451
Score: 7.29442
Type of gen. func.: ogf

$$\frac{x^3 (x^7 - 2 x^6 + 2 x^5 - 2 x^4 + 2 x^3 - 3 x^2 + x - 1)}{(x + 1) (x^2 + 1) (x - 1)^3}$$

Sequence: A329451
Score: 7.85019
Type of gen. func.: ogf

$$\frac{x^3 (x^7 - 2 x^6 + 2 x^5 - 2 x^4 + 2 x^3 - 3 x^2 + x - 1)}{(x + 1) (x^2 + 1) (x - 1)^3}$$

Sequence: A329479
Score: 7.97262
Type of gen. func.: ogf

$$- \frac{x^4 (4 x^3 + 1)}{(2 x - 1) (x + 1) (x^2 - x + 1) (4 x^4 - 2 x^2 + 1)}$$

Sequence: A329479
Score: 8.65844
Type of gen. func.: ogf

$$- \frac{x^4 (4 x^3 + 1)}{(2 x - 1) (x + 1) (x^2 - x + 1) (4 x^4 - 2 x^2 + 1)}$$

Sequence: A329482
Score: 11.2835
Type of gen. func.: ogf

$$- \frac{x^4 + 4 x^3 + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A329482
Score: 3.62441
Type of gen. func.: ogf

$$\{a(n + 5) - a(n + 4) - 2\, a(n + 3) + 2\, a(n + 2) + a(n + 1) - a(n),\ a(0) = 1,\ a(1) = 1,\ a(2) = 3,\ a(3) = 7,\ a(4) = 11\}$$

Sequence: A329482
Score: 9.80372
Type of gen. func.: ogf

$$- \frac{x^4 + 4\, x^3 + 1}{(x + 1)^2\, (x - 1)^3}$$

Sequence: A329494
Score: 5.74356
Type of gen. func.: ogf

$$\frac{(2\, x^7 + x^6 + 2\, x^4 + 4\, x^3 + 2\, x + 1)\, (x^4 + 5\, x^2 + 1)}{(x - 1)^2\, (x + 1)^2\, (x^2 + x + 1)^2\, (x^2 - x + 1)^2}$$

Sequence: A329494
Score: 6.08904
Type of gen. func.: ogf

$$\frac{(2\, x^7 + x^6 + 2\, x^4 + 4\, x^3 + 2\, x + 1)\, (x^4 + 5\, x^2 + 1)}{(x - 1)^2\, (x + 1)^2\, (x^2 + x + 1)^2\, (x^2 - x + 1)^2}$$

Sequence: A329502
Score: 10.1129
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2),\ a(0) = 1,\ a(1) = 4,\ a(2) = 6\}$$

Sequence: A329502
Score: 15.6853
Type of gen. func.: ogf

$$-\frac{(x + 1) (2 x + 1)}{x - 1}$$

Sequence: A329502
Score: 18.7458
Type of gen. func.: ogf

$$-\frac{(x + 1) (2 x + 1)}{x - 1}$$

Sequence: A329502
Score: 9.72884
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x + 2 x^2 - f(x) + 3 x + 1)$$

Sequence: A329503
Score: 14.2808
Type of gen. func.: ogf

$$-\frac{(x + 1) (2 x^2 + 2 x + 1)}{x - 1}$$

Sequence: A329503
Score: 16.6124
Type of gen. func.: ogf

$$-\frac{(x + 1) (2 x^2 + 2 x + 1)}{x - 1}$$

Sequence: A329503
Score: 9.14613

Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3), a(0) = 1, a(1) = 4, a(2) = 8, a(3) = 10\}$$

Sequence: A329503
Score: 9.35639
Type of gen. func.: ogf

$$-(f(x) - 1) (2 x^3 + f(x) x + 4 x^2 - f(x) + 3 x + 1)$$

Sequence: A329505
Score: 14.5015
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 - 2 x - 1)}{x - 1}$$

Sequence: A329505
Score: 17.0795
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 - 2 x - 1)}{x - 1}$$

Sequence: A329505
Score: 8.53976
Type of gen. func.: ogf

$$-(47 f(x) + 394) (-x^3 + f(x) x + x^2 - f(x) + 3 x + 1)$$

Sequence: A329505
Score: 8.73385
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3), a(0) = 1, a(1) = 4, a(2) = 5, a(3) = 4\}$$

Sequence: A329506
Score: 12.5997
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x^3 - 2 x^2 - 2 x - 1)}{x - 1}$$

Sequence: A329506
Score: 14.5015
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x^3 - 2 x^2 - 2 x - 1)}{x - 1}$$

Sequence: A329506
Score: 7.68579
Type of gen. func.: ogf

{-a(n + 5) + a(n + 4), a(0) = 1, a(1) = 4, a(2) = 8, a(3) = 8, a(4) = 6}

Sequence: A329506
Score: 9.14975
Type of gen. func.: ogf

$$(f(x) + 15) (-2 x^4 + f(x) x + 4 x^2 - f(x) + 3 x + 1)$$

Sequence: A329507
Score: 11.1091
Type of gen. func.: ogf

$$\frac{(x + 1) (3 x^4 - 2 x^3 - 2 x^2 - 2 x - 1)}{x - 1}$$

Sequence: A329507
Score: 12.5661
Type of gen. func.: ogf

$$\frac{(x + 1) (3 x^4 - 2 x^3 - 2 x^2 - 2 x - 1)}{x - 1}$$

Sequence: A329507
Score: 6.72396
Type of gen. func.: ogf

{a(n + 6) - a(n + 5), a(0) = 1, a(1) = 4, a(2) = 8, a(3) = 12, a(4) = 11,

a(5) = 8}

Sequence: A329509
Score: 12.5997
Type of gen. func.: ogf

$$\frac{(x + 1) (x^3 - x^2 - x - 1)}{x - 1}$$

Sequence: A329509
Score: 14.5015
Type of gen. func.: ogf

$$\frac{(x + 1) (x^3 - x^2 - x - 1)}{x - 1}$$

Sequence: A329509
Score: 7.68579
Type of gen. func.: ogf

{-a(n + 5) + a(n + 4), a(0) = 1, a(1) = 3, a(2) = 5, a(3) = 5, a(4) = 4}

Sequence: A329509
Score: 8.53976
Type of gen. func.: ogf

$$-(79 f(x) + 646) (-x^4 + f(x) x + 2 x^2 - f(x) + 2 x + 1)$$

Sequence: A329510
Score: 11.1388
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + x + 1) (x^3 - x^2 - 1)}{x - 1}$$

Sequence: A329510
Score: 6.19822
Type of gen. func.: ogf

{a(n + 7) - a(n + 6), a(0) = 1, a(1) = 3, a(2) = 6, a(3) = 8, a(4) = 8,

a(5) = 7, a(6) = 6}

Sequence: A329510
Score: 9.98154
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + x + 1) (x^3 - x^2 - 1)}{x - 1}$$

Sequence: A329511
Score: 11.1734
Type of gen. func.: ogf

$$\frac{(x + 1) (x^3 - x - 1) (x^2 + 1)^2}{x - 1}$$

Sequence: A329511
Score: 12.6387
Type of gen. func.: ogf

$$\frac{(x + 1) (x^3 - x - 1) (x^2 + 1)^2}{x - 1}$$

Sequence: A329513
Score: 13.4838
Type of gen. func.: ogf

$$\frac{(x^3 - 2 x^2 - 1) (x + 1)^2}{x - 1}$$

Sequence: A329513
Score: 15.6853
Type of gen. func.: ogf

$$\frac{(x^3 - 2 x^2 - 1) (x + 1)^2}{x - 1}$$

Sequence: A329513
Score: 6.86231
Type of gen. func.: ogf

{-a(n + 6) + a(n + 5), a(0) = 1, a(1) = 3, a(2) = 6, a(3) = 9, a(4) = 9,

a(5) = 8}

Sequence: A329514
Score: 11.0936
Type of gen. func.: ogf

$$\frac{(2 x^5 - 3 x^4 + x^3 - 2 x^2 - 1) (x + 1)^2}{x - 1}$$

Sequence: A329514
Score: 12.4589
Type of gen. func.: ogf

$$\frac{(2 x^5 - 3 x^4 + x^3 - 2 x^2 - 1) (x + 1)^2}{x - 1}$$

Sequence: A329516
Score: 12.5997

Type of gen. func.: ogf

$$\frac{(x + 1) (x^3 - 2 x^2 - x - 1)}{x - 1}$$

Sequence: A329516
Score: 14.5015
Type of gen. func.: ogf

$$\frac{(x + 1) (x^3 - 2 x^2 - x - 1)}{x - 1}$$

Sequence: A329516
Score: 7.68579
Type of gen. func.: ogf

{a(n + 5) - a(n + 4), a(0) = 1, a(1) = 3, a(2) = 6, a(3) = 7, a(4) = 6}

Sequence: A329516
Score: 8.00603
Type of gen. func.: ogf

$$(431 f(x) + 5885) (-x^4 + x^3 + f(x) x + 3 x^2 - f(x) + 2 x + 1)$$

Sequence: A329517
Score: 11.0936
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x^2 + 2 x + 1) (x^3 - 2 x^2 + x - 1)}{x - 1}$$

Sequence: A329517
Score: 6.37662
Type of gen. func.: ogf

{-a(n + 7) + a(n + 6), a(0) = 1, a(1) = 3, a(2) = 6, a(3) = 9, a(4) = 12,

a(5) = 12, a(6) = 10}

Sequence: A329517
Score: 9.99792
Type of gen. func.: ogf

$$\frac{(x + 1)\,(2 x^{2} + 2 x + 1)\,(x^{3} - 2 x^{2} + x - 1)}{x - 1}$$

Sequence: A329523
Score: 15.9754
Type of gen. func.: ogf

$$\frac{x\,(x^{3} - 5 x^{2} + x - 1)}{(x - 1)^{5}}$$

Sequence: A329523
Score: 18.8154
Type of gen. func.: ogf

$$\frac{x\,(x^{3} - 5 x^{2} + x - 1)}{(x - 1)^{5}}$$

Sequence: A329523
Score: 5.07003
Type of gen. func.: ogf

$$\{-a(n + 5) + 5\,a(n + 4) - 10\,a(n + 3) + 10\,a(n + 2) - 5\,a(n + 1) + a(n),$$

$$a(0) = 0,\ a(1) = 1,\ a(2) = 4,\ a(3) = 15,\ a(4) = 44\}$$

Sequence: A329530
Score: 18.5679
Type of gen. func.: ogf

$$\frac{x\,(8 x^{2} + 12 x + 1)}{{}^{4}}$$

$$(x - 1)$$

Sequence: A329530
Score: 22.4769
Type of gen. func.: ogf

$$\frac{x\,(8\,x^{2} + 12\,x + 1)}{(x - 1)^{4}}$$

Sequence: A329530
Score: 5.77109
Type of gen. func.: ogf

$$-(102438\,f(x) + 485045)$$

$$(f(x)\,x^{4} - 4\,f(x)\,x^{3} + 6\,f(x)\,x^{2} - 8\,x^{3} - 4\,f(x)\,x - 12\,x^{2} + f(x) - x)$$

Sequence: A329530
Score: 6.32683
Type of gen. func.: ogf

$$\{a(n + 4) - 4\,a(n + 3) + 6\,a(n + 2) - 4\,a(n + 1) + a(n),\ a(0) = 0,\ a(1) = 1,$$
$$a(2) = 16,\ a(3) = 66\}$$

Sequence: A329533
Score: 4.89667
Type of gen. func.: ogf

$$\{-a(n + 3)\,n + 5\,a(n + 2)\,n - 4\,a(n + 1)\,n - 5\,a(n + 3) + 20\,a(n + 2)$$
$$- 6\,a(n + 1),\ a(0) = 3,\ a(1) = 10,\ a(2) = 36\}$$

Sequence: A329533
Score: 9.62829
Type of gen. func.: ogf

$$-4\,f(x)^{2}\,x^{3} + f(x)^{2}\,x^{2} - 8\,f(x)\,x - x^{2} + 2\,f(x) + 4\,x - 6$$

Sequence: A329533
Score: 9.84963
Type of gen. func.: ogf

$$\frac{x^{2}\, I - 2\, I\, x + I - (4\, x - 1)^{1/2}}{x^{2}\, (4\, x - 1)^{1/2}}$$

Sequence: A329562
Score: 8.14753
Type of gen. func.: ogf

$$-\frac{(2\, x + 1)\, (16\, x^{4} + 8\, x^{3} + 4\, x^{2} + 2\, x + 1)\, (16\, x^{4} - 8\, x^{3} + 4\, x^{2} - 2\, x + 1)}{2\, x^{10} - 1}$$

Sequence: A329562
Score: 8.75105
Type of gen. func.: ogf

$$-\frac{(2\, x + 1)\, (16\, x^{4} + 8\, x^{3} + 4\, x^{2} + 2\, x + 1)\, (16\, x^{4} - 8\, x^{3} + 4\, x^{2} - 2\, x + 1)}{2\, x^{10} - 1}$$

Sequence: A329583
Score: 6.78501
Type of gen. func.: ogf

$$-\frac{3\, x\, (2\, x^{6} + 3\, x^{5} + x^{4} - 2\, x^{3} + x^{2} + 3\, x + 2)}{(x^{2} + x + 1)\, (x - 1)^{3}\, (x + 1)^{3}}$$

Sequence: A329583
Score: 7.30196
Type of gen. func.: ogf

$$-\frac{3\, x\, (2\, x^{6} + 3\, x^{5} + x^{4} - 2\, x^{3} + x^{2} + 3\, x + 2)}{{}^{2}\qquad\qquad{}^{3}\qquad{}^{3}}$$

$$(x + x + 1) (x - 1) (x + 1)$$

Sequence: A329624
Score: 6.17884
Type of gen. func.: ogf

$$-\frac{x^{10} - x^{9} - 1}{(x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A329624
Score: 6.57115
Type of gen. func.: ogf

$$-\frac{x^{10} - x^{9} - 1}{(x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A329664
Score: 11.4698
Type of gen. func.: ogf

$$-f(x)^{2} x^{3} - f(x) x^{2} + x^{3} + x^{2} + f(x) - x - 1$$

Sequence: A329665
Score: 8.73701
Type of gen. func.: ogf

$$2 f(x)^{2} x^{3} - f(x)^{2} x^{2} + 2 f(x) x^{3} + 3 f(x) x^{2} + x^{2} - f(x) + 2 x + 1$$

Sequence: A329666
Score: 10.2639
Type of gen. func.: ogf

$$f(x)^{2} x^{3} + f(x) x^{3} + f(x) x^{2} - f(x) + x + 1$$

Sequence: A329667
Score: 4.73659
Type of gen. func.: ogf

$$f(x)^2 x^4 + 2 f(x)^2 x^3 + f(x) x^4 - f(x)^2 x^2 + 4 f(x) x^3 + 3 f(x) x^2 + x^3 - f(x) x + 3 x^2 - f(x) + 3 x + 1$$

Sequence: A329669
Score: 5.71325
Type of gen. func.: ogf

$$-f(x)^2 x^4 - 3 f(x)^2 x^3 - f(x)^2 x^2 - f(x) x^3 + f(x)^2 x - 3 f(x) x^2 - 2 f(x) x + f(x) - x - 1$$

Sequence: A329670
Score: 13.4627
Type of gen. func.: ogf

$$-x^3 - x - 1 + f(x)$$

Sequence: A329670
Score: 16.2481
Type of gen. func.: ogf

$$[x^3 + x + 1]$$

Sequence: A329670
Score: 6.82892
Type of gen. func.: ogf

$$\{-a(n + 4), a(0) = 1, a(1) = 1, a(2) = 0, a(3) = 1\}$$

Sequence: A329671
Score: 7.03404
Type of gen. func.: ogf

2 4   4   3   2   2

$$-f(x) x - 2 f(x) x - 3 f(x) x - f(x) x + f(x) x - x + f(x) - 2 x - 1$$

Sequence: A329672
Score: 6.99302
Type of gen. func.: ogf

$$-2 f(x)^{2} x^{4} - 2 f(x)^{2} x^{3} + f(x)^{2} x^{2} - 3 f(x) x^{3} - 4 f(x) x^{2} - x^{2} + f(x) - 2 x - 1$$

Sequence: A329673
Score: 7.43504
Type of gen. func.: ogf

$$-2 f(x)^{2} x^{3} - 2 f(x)^{2} x^{2} + f(x)^{2} x - 2 f(x) x^{2} - 2 f(x) x + f(x) - x - 1$$

Sequence: A329673
Score: 7.83693
Type of gen. func.: ogf

$$- \frac{-(2 x^{2} + 2 x + 1)^{1/2} I + (2 x^{2} + 2 x - 1)^{1/2}}{2 x (2 x^{2} + 2 x - 1)^{1/2}}$$

Sequence: A329674
Score: 7.44537
Type of gen. func.: ogf

$$2 f(x)^{2} x^{3} + 2 f(x)^{2} x^{2} - f(x)^{2} x + f(x) x^{2} + 3 f(x) x - f(x) + 1$$

Sequence: A329675
Score: 5.43935
Type of gen. func.: ogf

$$f(x)^{2} x^{4} - f(x)^{2} x^{3} - 2 f(x)^{2} x^{2} + f(x) x^{3} + f(x)^{2} x - f(x) x^{2} - 2 f(x) x + f(x) - x - 1$$

Sequence: A329676
Score: 8.70816
Type of gen. func.: ogf

$$-f(x)^2 x^3 - f(x)^2 x^2 + f(x) x^3 + f(x) x^2 + f(x) - x - 1$$

Sequence: A329677
Score: 10.5727
Type of gen. func.: ogf

$$[(x^2 - x + 1) (x + 1)^2]$$

Sequence: A329677
Score: 11.0644
Type of gen. func.: ogf

$$-x^4 - x^3 - x - 1 + f(x)$$

Sequence: A329677
Score: 5.8737
Type of gen. func.: ogf

$$\{-a(n + 5), a(0) = 1, a(1) = 1, a(2) = 0, a(3) = 1, a(4) = 1\}$$

Sequence: A329678
Score: 12.8586
Type of gen. func.: ogf

$$(x + 1) (x^2 + 1)$$

Sequence: A329678
Score: 7.20864
Type of gen. func.: ogf

$$\{a(n + 4), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1\}$$

Sequence: A329678
Score: 8.34684
Type of gen. func.: ogf

$$f(x) (-x^3 - x^2 + f(x) - x - 1)$$

Sequence: A329679
Score: 10.6743
Type of gen. func.: ogf

$$(x + 1) (x^3 + x^2 + 1)$$

Sequence: A329679
Score: 6.15826
Type of gen. func.: ogf

$$\{a(n + 5), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 2, a(4) = 1\}$$

Sequence: A329679
Score: 6.23824
Type of gen. func.: ogf

$$-(f(x) - 1) (-x^4 - 2 x^3 - x^2 + f(x) - x - 1)$$

Sequence: A329680
Score: 4.68426
Type of gen. func.: ogf

$$\{-a(n + 5) + a(n + 2), a(0) = 1, a(1) = 1, a(2) = 0, a(3) = 1, a(4) = 0\}$$

Sequence: A329680
Score: 7.52554
Type of gen. func.: ogf

$$\frac{x^4 - x - 1}{(x - 1) (x^2 + x + 1)}$$

Sequence: A329680
Score: 8.66147
Type of gen. func.: ogf

$$\frac{x^4 - x - 1}{(x - 1) (x^2 + x + 1)}$$

Sequence: A329680
Score: 8.66147
Type of gen. func.: ogf

$$f(x) x^3 - x^4 - f(x) + x + 1$$

Sequence: A329682
Score: 2.70078
Type of gen. func.: ogf

$$\{a(n + 5) - a(n + 2), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1, a(4) = 0\}$$

Sequence: A329682
Score: 3.0733
Type of gen. func.: ogf

$$-(f(x) + 1) (f(x) x^3 - x^4 + x^2 - f(x) + x + 1)$$

Sequence: A329682
Score: 3.47243
Type of gen. func.: ogf

$$\frac{(x + 1) (x^3 - x^2 - 1)}{(x - 1) (x^2 + x + 1)}$$

Sequence: A329682
Score: 3.87503
Type of gen. func.: ogf

$$\frac{(x + 1) (x^3 - x^2 - 1)}{(x - 1) (x^2 + x + 1)}$$

Sequence: A329683
Score: 14.8346
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^2 - x + 1)}{x - 1}$$

Sequence: A329683
Score: 17.2566
Type of gen. func.: ogf

$$- \frac{(x + 1) (x^2 - x + 1)}{x - 1}$$

Sequence: A329683
Score: 17.2566
Type of gen. func.: ogf

$$x^3 + f(x) x - f(x) + 1$$

Sequence: A329683
Score: 9.6088
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 3), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 2\}$$

Sequence: A329684
Score: 13.7353
Type of gen. func.: ogf

$$x^3 - x^2 - 1$$
$$-----------$$

$$x - 1$$

Sequence: A329684
Score: 16.7051
Type of gen. func.: ogf

$$\frac{x^3 - x^2 - 1}{x - 1}$$

Sequence: A329684
Score: 7.02373
Type of gen. func.: ogf

{-a(n + 4) + a(n + 3), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 1}

Sequence: A329684
Score: 7.72611
Type of gen. func.: ogf

$$(2 f(x) + 19) (-x^3 + f(x) x + x^2 - f(x) + 1)$$

Sequence: A329687
Score: 12.2478
Type of gen. func.: ogf

$$f(x)^2 x^3 - f(x) x + x^2 - f(x) + 2 x + 1$$

Sequence: A329687
Score: 12.6028
Type of gen. func.: ogf

$$\frac{1/2 I ((4 x^3 - 1)^{1/2} - I) (x + 1)}{x^3}$$

Sequence: A329688

Score: 6.47946
Type of gen. func.: ogf

$$-f(x)^2 x^4 - 2 f(x) x^4 - 2 f(x) x^3 - x^4 + f(x) x^2 - 3 x^3 + 2 f(x) x - 4 x^2 + f(x) - 3 x - 1$$

Sequence: A329688
Score: 7.30883
Type of gen. func.: ogf

$$\frac{1/2 I ((4 x^3 - 1)^{1/2} x + 2 I x^3 + (4 x^3 - 1)^{1/2} - x I - I) (x + 1)}{x^4}$$

Sequence: A329689
Score: 13.9667
Type of gen. func.: ogf

$$f(x)^2 x^4 + f(x) x^4 + f(x) x^3 - f(x) x + x^2 - f(x) + 2 x + 1$$

Sequence: A329691
Score: 10.0663
Type of gen. func.: ogf

$$-f(x)^2 x^2 + f(x) x^3 + f(x) x^2 - x^3 + f(x) - x - 1$$

Sequence: A329692
Score: 8.60946
Type of gen. func.: ogf

$$-f(x)^2 x^3 + f(x) x^4 - f(x) x^2 + f(x) x - x^2 + f(x) - 2 x - 1$$

Sequence: A329694
Score: 7.38418
Type of gen. func.: ogf

$$-f(x)^2 x^4 - 2 f(x) x^4 - 2 f(x) x^3 - x^4 - 2 x^3 + f(x) x - 2 x^2 + f(x) - 2 x - 1$$

```
-------------------------------------------------------------------------------

Sequence:  A329694
Score: 9.98081
Type of gen. func.: ogf

                           3       4      3     1/2
               1/2 I (2 I x  + (4 x  + 4 x  - 1)    - I) (x + 1)
               -------------------------------------------------
                                      4
                                     x


-------------------------------------------------------------------------------

Sequence:  A329695
Score: 8.65298
Type of gen. func.: ogf

                 2  3          2  2          2    3
             f(x)  x  - f(x)  x  + f(x) x  - x  - f(x) x + f(x) - 1


-------------------------------------------------------------------------------

Sequence:  A329696
Score: 5.56431
Type of gen. func.: ogf

    2  4         2  3              4       2  2              3    4          2
f(x)  x  - 2 f(x)  x  + 2 f(x) x  + f(x)  x  - 2 f(x) x  + x  - f(x) x

     + 2 f(x) x - f(x) - x + 1


-------------------------------------------------------------------------------

Sequence:  A329696
Score: 6.01244
Type of gen. func.: ogf

1/2 I (

             1/2          1/2               1/2          1/2         3
    (2 x + 1)    (2 x - 1)    x - (2 x + 1)    (2 x - 1)    + 2 I x  - x I + I)

       /           2
      /  ((x - 1) x )
     /


-------------------------------------------------------------------------------

Sequence:  A329699
Score: 13.742
Type of gen. func.: ogf

                             2  2         3
                       -f(x)  x  + f(x) x  + f(x) - x - 1
```

Sequence: A329700
Score: 8.19307
Type of gen. func.: ogf

$$-f(x)\,x^4 - f(x)^2\,x^2 - f(x)\,x^3 + f(x)\,x - x^2 + f(x) - 2\,x - 1$$

Sequence: A329701
Score: 8.71361
Type of gen. func.: ogf

$$f(x)^2\,x^3 - f(x)^2\,x^2 + f(x)\,x^3 - f(x)\,x + f(x) - 1$$

Sequence: A329702
Score: 7.20509
Type of gen. func.: ogf

$$-f(x)^2\,x^4 + 2\,f(x)^2\,x^3 - f(x)^2\,x^2 - f(x)\,x^3 - f(x)\,x + f(x) - 1$$

Sequence: A329707
Score: 12.0222
Type of gen. func.: ogf

$$-\frac{(x - 1)\,(x^3 + x + 1)}{x^6 - x^2 - 2\,x + 1}$$

Sequence: A329707
Score: 13.5019
Type of gen. func.: ogf

$$-\frac{(x - 1)\,(x^3 + x + 1)}{x^6 - x^2 - 2\,x + 1}$$

Sequence: A329707
Score: 6.13723
Type of gen. func.: ogf

{a(n + 6) - 2 a(n + 5) - a(n + 4) + a(n), a(0) = 1, a(1) = 2, a(2) = 4,

a(3) = 11, a(4) = 25, a(5) = 61}

Sequence: A329723
Score: 10.0717
Type of gen. func.: ogf

$$(5 f(x) + 28) (f(x) x^2 - 2 x^3 + f(x) x - f(x) + 1)$$

Sequence: A329723
Score: 20.1433
Type of gen. func.: ogf

$$\frac{2 x^3 - 1}{x^2 + x - 1}$$

Sequence: A329723
Score: 24.4986
Type of gen. func.: ogf

$$\frac{2 x^3 - 1}{x^2 + x - 1}$$

Sequence: A329723
Score: 8.55141
Type of gen. func.: ogf

{a(n + 4) - a(n + 3) - a(n + 2), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 1}

Sequence: A329753
Score: 10.2404
Type of gen. func.: ogf

$$\frac{x\,(30\,x^{6} + 519\,x^{5} + 1715\,x^{4} + 1660\,x^{3} + 510\,x^{2} + 45\,x + 1)}{(x - 1)^{10}}$$

Sequence: A329753
Score: 9.33017
Type of gen. func.: ogf

$$\frac{x\,(30\,x^{6} + 519\,x^{5} + 1715\,x^{4} + 1660\,x^{3} + 510\,x^{2} + 45\,x + 1)}{(x - 1)^{10}}$$

Sequence: A329754
Score: 8.30422
Type of gen. func.: ogf

$$\frac{x\,(2\,x^{7} + 304\,x^{6} + 3474\,x^{5} + 9350\,x^{4} + 7570\,x^{3} + 1863\,x^{2} + 116\,x + 1)}{(x - 1)^{10}}$$

Sequence: A329754
Score: 9.01096
Type of gen. func.: ogf

$$\frac{x\,(2\,x^{7} + 304\,x^{6} + 3474\,x^{5} + 9350\,x^{4} + 7570\,x^{3} + 1863\,x^{2} + 116\,x + 1)}{(x - 1)^{10}}$$

Sequence: A329755
Score: 7.70372
Type of gen. func.: ogf

$$x\,(13\,x^{7} + 1248\,x^{6} + 12424\,x^{5} + 30465\,x^{4} + 22425\,x^{3} + 4862\,x^{2} + 242\,x + 1) \Big/ (x - 1)^{10}$$

Sequence: A329755
Score: 8.32625
Type of gen. func.: ogf

$$x (13 x^7 + 1248 x^6 + 12424 x^5 + 30465 x^4 + 22425 x^3 + 4862 x^2 + 242 x + 1) / (x - 1)^{10}$$

Sequence: A329756
Score: 6.94464
Type of gen. func.: ogf

$$x (44 x^7 + 3504 x^6 + 32544 x^5 + 75580 x^4 + 52420 x^3 + 10461 x^2 + 446 x + 1) / (x - 1)^{10}$$

Sequence: A329756
Score: 7.50021
Type of gen. func.: ogf

$$x (44 x^7 + 3504 x^6 + 32544 x^5 + 75580 x^4 + 52420 x^3 + 10461 x^2 + 446 x + 1) / (x - 1)^{10}$$

Sequence: A329757
Score: 7.95445
Type of gen. func.: ogf

$$x (110 x^7 + 7930 x^6 + 70629 x^5 + 158255 x^4 + 105370 x^3 + 19830 x^2 + 755 x + 1) / (x - 1)^{10}$$

Sequence: A329757
Score: 8.57227
Type of gen. func.: ogf

$$x (110 x^7 + 7930 x^6 + 70629 x^5 + 158255 x^4 + 105370 x^3 + 19830 x^2 + 755 x + 1)$$

$$/ (x - 1)^{10}$$

Sequence: A329764
Score: 8.51757
Type of gen. func.: ogf

$$-(5 f(x) x - f(x) - 2 x + 1)^3$$

Sequence: A329771
Score: 8.70786
Type of gen. func.: ogf

$$\frac{(x + 1) (3 x^7 - 2 x^6 - x^5 - 2 x^4 - x^3 - 2 x^2 - x - 1)}{x - 1}$$

Sequence: A329771
Score: 9.52743
Type of gen. func.: ogf

$$\frac{(x + 1) (3 x^7 - 2 x^6 - x^5 - 2 x^4 - x^3 - 2 x^2 - x - 1)}{x - 1}$$

Sequence: A329774
Score: 10.9254
Type of gen. func.: ogf

$$- \frac{2 x^3 - x^2 - x - 1}{(x - 1) (3 x^3 - 1)}$$

Sequence: A329774
Score: 12.3583
Type of gen. func.: ogf

$$2 x^3 - x^2 - x - 1$$

```
                              - ------------------
                                            3
                                (x - 1) (3 x  - 1)
```

Sequence: A329774
Score: 6.03084
Type of gen. func.: ogf

```
                           4           3      3             2
  -(15 f(x) + 43) (3 f(x) x  - 3 f(x) x  + 2 x  - f(x) x - x  + f(x) - x - 1)
```

Sequence: A329774
Score: 6.49875
Type of gen. func.: ogf

```
{a(n + 4) - a(n + 3) - 3 a(n + 1) + 3 a(n), a(0) = 1, a(1) = 2, a(2) = 3,

    a(3) = 4}
```

Sequence: A329779
Score: 3.38328
Type of gen. func.: ogf

```
(x + 1)

      16    14    13    12    11    10    9    7    6    5    4    3    2
    (x   - x   + x   - x   + x   - x   + x  + x  - x  + x  - x  + x  - x  + 1)

       /    2            2            4    2        8    4             2
      /  ((x  + x + 1) (x  - x + 1) (x  - x  + 1) (x  - x  + 1) (x - 1) )
     /
```

Sequence: A329779
Score: 3.50045
Type of gen. func.: ogf

```
(x + 1)

      16    14    13    12    11    10    9    7    6    5    4    3    2
    (x   - x   + x   - x   + x   - x   + x  + x  - x  + x  - x  + x  - x  + 1)

       /    2            2            4    2        8    4             2
      /  ((x  + x + 1) (x  - x + 1) (x  - x  + 1) (x  - x  + 1) (x - 1) )
     /
```

Sequence: A329780
Score: 3.45869

Type of gen. func.: ogf

$$\frac{(x+1)\,(x^{20}+x^{18}+x^{16}-x^{15}+x^{14}+x^{12}+x^{8}+x^{6}-x^{5}+x^{4}+x^{2}+1)}{(x^{2}+1)\,(x^{2}+x+1)\,(x^{4}-x^{2}+1)\,(x^{4}+1)\,(x^{8}-x^{4}+1)\,(x-1)^{2}}$$

Sequence: A329780
Score: 3.58059
Type of gen. func.: ogf

$$\frac{(x+1)\,(x^{20}+x^{18}+x^{16}-x^{15}+x^{14}+x^{12}+x^{8}+x^{6}-x^{5}+x^{4}+x^{2}+1)}{(x^{2}+1)\,(x^{2}+x+1)\,(x^{4}-x^{2}+1)\,(x^{4}+1)\,(x^{8}-x^{4}+1)\,(x-1)^{2}}$$

Sequence: A329822
Score: 13.6669
Type of gen. func.: ogf

$$\frac{2\,(x^{4}-2\,x^{3}+2\,x^{2}-4\,x+4)}{(x-1)^{2}}$$

Sequence: A329822
Score: 15.7298
Type of gen. func.: ogf

$$\frac{2\,(x^{4}-2\,x^{3}+2\,x^{2}-4\,x+4)}{(x-1)^{2}}$$

Sequence: A329822
Score: 6.88993
Type of gen. func.: ogf

{-a(n + 5) + 2 a(n + 4) - a(n + 3), a(0) = 8, a(1) = 8, a(2) = 12, a(3) = 12,

a(4) = 14}

Sequence: A329822
Score: 7.57892
Type of gen. func.: ogf

$$(f(x) + 44) (-2 x^4 + f(x) x^2 + 4 x^3 - 2 f(x) x - 4 x^2 + f(x) + 8 x - 8)$$

Sequence: A329827
Score: 4.14313
Type of gen. func.: ogf

$$(x + 1) (x^2 + x + 1) (x^2 - x + 1) (2 x^7 + x + 1) / ((x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A329827
Score: 4.31944
Type of gen. func.: ogf

$$(x + 1) (x^2 + x + 1) (x^2 - x + 1) (2 x^7 + x + 1) / ((x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A329828
Score: 4.47227
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^6 + x^5 + 2)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A329828
Score: 4.67789
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^6 + x^5 + 2)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A329831
Score: 3.64374
Type of gen. func.: ogf

$$\frac{(x+1)(x^2+1)(2x^9+x+1)(x^4+1)}{(x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A329831
Score: 3.77869
Type of gen. func.: ogf

$$\frac{(x+1)(x^2+1)(2x^9+x+1)(x^4+1)}{(x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A329832
Score: 4.21093
Type of gen. func.: ogf

$$\frac{(x+1)(x^2+1)(x^4+1)(x^8+x^7+2)}{(x^2+x+1)(x^4+x^3+x^2+x+1)(x^8-x^7+x^5-x^4+x^3-x+1)(x-1)^2}$$

Sequence: A329832
Score: 4.38917
Type of gen. func.: ogf

$$\frac{(x+1)(x^2+1)(x^4+1)(x^8+x^7+2)}{(x^2+x+1)(x^4+x^3+x^2+x+1)(x^8-x^7+x^5-x^4+x^3-x+1)(x-1)^2}$$

Sequence: A329833
Score: 3.57261
Type of gen. func.: ogf

$$(2 x^{12} + 2 x^{11} + 2 x^{10} + x^9 + 2 x^8 + 2 x^7 + x^6 + 2 x^5 + 2 x^4 + x^3 + 2 x^2 + 2 x + 1) / ((x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A329833
Score: 3.70312
Type of gen. func.: ogf

$$(2 x^{12} + 2 x^{11} + 2 x^{10} + x^9 + 2 x^8 + 2 x^7 + x^6 + 2 x^5 + 2 x^4 + x^3 + 2 x^2 + 2 x + 1) / ((x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A329834
Score: 5.77854
Type of gen. func.: ogf

$$\frac{x^9 + 2 x^8 + 2 x^7 + 3 x^6 + 2 x^5 + 3 x^4 + 2 x^3 + 3 x^2 + 2 x + 2}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A329834
Score: 6.12612
Type of gen. func.: ogf

$$\frac{x^9 + 2 x^8 + 2 x^7 + 3 x^6 + 2 x^5 + 3 x^4 + 2 x^3 + 3 x^2 + 2 x + 2}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A329835
Score: 3.06097
Type of gen. func.: ogf

$$(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (2 x^{11} + x + 1) / ($$

$$/\ \left((x^2 + x + 1)\,(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\,(x^{12} - x^{11} + x^9 - x^8 + x^6 - x^4 + x^3 - x + 1)\,(x - 1)^2\right)$$

Sequence: A329835
Score: 3.15516
Type of gen. func.: ogf

$$(x + 1)\,(x^4 + x^3 + x^2 + x + 1)\,(x^4 - x^3 + x^2 - x + 1)\,(2 x^{11} + x + 1)\ /\ \left((x^2 + x + 1)\,(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)\,(x^{12} - x^{11} + x^9 - x^8 + x^6 - x^4 + x^3 - x + 1)\,(x - 1)^2\right)$$

Sequence: A329847
Score: 5.85363
Type of gen. func.: ogf

$$\frac{x^9 + x^8 + 2 x^7 + x^6 + 2 x^5 + x^4 + 2 x^3 + x^2 + 2 x + 1}{(x^2 + x + 1)\,(x^6 + x^3 + 1)\,(x - 1)^2}$$

Sequence: A329847
Score: 6.20573
Type of gen. func.: ogf

$$\frac{x^9 + x^8 + 2 x^7 + x^6 + 2 x^5 + x^4 + 2 x^3 + x^2 + 2 x + 1}{(x^2 + x + 1)\,(x^6 + x^3 + 1)\,(x - 1)^2}$$

Sequence: A329908
Score: 4.59399
Type of gen. func.: ogf

$\{a(n + 6) - a(n + 5) - 3 a(n + 4) + a(n + 3) + 2 a(n + 1) + 4 a(n),\ a(0) = 2,$

$a(1) = 2,\ a(2) = 5,\ a(3) = 6,\ a(4) = 15,\ a(5) = 24\}$

Sequence: A329908
Score: 8.09634
Type of gen. func.: ogf

$$-\frac{4x^4+3x^3+3x^2-2}{(2x-1)(x+1)(2x^2-1)(x^2+1)}$$

Sequence: A329908
Score: 8.7928
Type of gen. func.: ogf

$$-\frac{4x^4+3x^3+3x^2-2}{(2x-1)(x+1)(2x^2-1)(x^2+1)}$$

Sequence: A329925
Score: 5.37489
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{29}-2x^{28}-x^{27}-x^{26}+3x^{25}+x^6-x^5-x^4-x^3-x^2-x-2}{x^{27}-x^{25}+x^4+x^2+1}$$

Sequence: A329938
Score: 3.77869
Type of gen. func.: ogf

$$(x+1)(x^2+1)(2x^9+x+1)(x^4+1)\ /\ ((x^{16}+x^{15}+x^{14}+x^{13}+x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2)$$

Sequence: A329939
Score: 4.38917
Type of gen. func.: ogf

$$(x+1)(x^2+1)(x^4+1)(x^8+x^7+2)\ /\ ((x^2+x+1)$$

/

$$(x^4 + x^3 + x^2 + x + 1)\ (x^8 - x^7 + x^5 - x^4 + x^3 - x + 1)\ (x - 1)^2\ )$$

Sequence: A329952
Score: 10.1018
Type of gen. func.: ogf

$$\frac{x\ (6\ x^4 + 2\ x^3 + 6\ x^2 + x + 1)}{(x^4 + x^3 + x^2 + x + 1)\ (x - 1)^2}$$

Sequence: A329952
Score: 6.37631
Type of gen. func.: ogf

{a(n + 6) - a(n + 5) - a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 8,

a(4) = 10, a(5) = 16}

Sequence: A329955
Score: 5.58995
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{3\ x^5 + x^4 + 2\ x^3 + 4\ x^2 + 2\ x + 1}{(x - 1)\ (x + 1)\ (x^2 + x + 1)\ (x^2 - x + 1)}$$

Sequence: A329956
Score: 5.88696
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{3\ x^5 + 3\ x^4 + x^3 + 4\ x^2 + x + 3}{(x - 1)\ (x + 1)\ (x^2 + x + 1)\ (x^2 - x + 1)}$$

Sequence: A329957
Score: 8.53448
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{3 x^3 + x^2 - 3 x + 4}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A329958
Score: 8.39359
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{3 x^4 + x^3 + 2 x^2 + x + 2}{(x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A329971
Score: 3.72313
Type of gen. func.: ogf

$$- (x^{16} + x^{14} + x^{12} - x^{11} + x^{10} - 2 x^9 - x^7 - x^5 - x^3 + x^2 - x + 1) / (x^{16} - x^{14} - 2 x^{13} - 5 x^{12} + 3 x^{11} - 7 x^{10} + 2 x^9 - 2 x^8 - x^7 - x^5 + 3 x^3 - 3 x^2 + 3 x - 1)$$

Sequence: A329977
Score: 5.88475
Type of gen. func.: ogf

$$\frac{4 x^6 + 4 x^5 + 4 x^4 + 4 x^3 + 4 x^2 + 4 x + 3}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A329988
Score: 6.01214
Type of gen. func.: ogf

$$\frac{(x + 1) (x^8 + x^7 + 2 x^6 + x^5 + 2 x^4 + x^3 + 2 x^2 + x + 2)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A329997
Score: 7.07975
Type of gen. func.: ogf

$$\frac{4x^6+3x^5+4x^4+3x^3+4x^2+3x+3}{(x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2}$$

Sequence: A330002
Score: 10.7029
Type of gen. func.: ogf

$$\frac{x^4+x^3+x^2+x+1}{(x+1)(x^2+1)(x-1)^2}$$

Sequence: A330002
Score: 6.43844
Type of gen. func.: ogf

{a(n + 5) - a(n + 4) - a(n + 1) + a(n), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 4,

a(4) = 6}

Sequence: A330010
Score: 13.023
Type of gen. func.: ogf

$$-\frac{3x^4+6x^3+5x^2+2x+1}{x^2+x-1}$$

Sequence: A330010
Score: 6.62002
Type of gen. func.: ogf

{a(n + 5) - a(n + 4) - a(n + 3), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 18,

a(4) = 30}

Sequence: A330010
Score: 7.28809
Type of gen. func.: ogf

$$(f(x) - 1) (3 x^4 + f(x) x^2 + 6 x^3 + f(x) x + 5 x^2 - f(x) + 2 x + 1)$$

Sequence: A330011
Score: 4.18135
Type of gen. func.: ogf

$$(8 x^{13} - 6 x^{12} - 40 x^{11} - 22 x^{10} - 41 x^9 - 10 x^8 - 17 x^7 + 4 x^6 + 2 x^5 + 7 x^4 + 7 x^3 + 8 x^2 + 3 x + 1) / ((x - 1) (2 x^3 - 1) (x^4 + 2 x^3 - 1) (x^4 + x^3 - 1))$$

Sequence: A330016
Score: 3.01156
Type of gen. func.: ogf

$$\{-a(n + 2) n^2 - a(n + 1) n^2 + 2 a(n + 3) n - 4 a(n + 2) n - 6 a(n + 1) n - a(n + 4) + 6 a(n + 3) - 2 a(n + 2) - 9 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 9\}$$

Sequence: A330025
Score: 10.7452
Type of gen. func.: ogf

$$\frac{x (x^2 + 1)}{x^4 - x^3 + x^2 - x + 1}$$

Sequence: A330025
Score: 4.60509
Type of gen. func.: ogf

{a(n + 4) - a(n + 3) + a(n + 2) - a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 1,

a(3) = 1}

Sequence: A330025
Score: 5.94637
Type of gen. func.: ogf

$$-f(x) x^4 + f(x) x^3 - f(x) x^2 + x^3 + f(x) x - f(x) + x$$

Sequence: A330033
Score: 11.5562
Type of gen. func.: ogf

$$\frac{x (x - 1)^2}{x^4 - x^3 + x^2 - x + 1}$$

Sequence: A330033
Score: 4.60509
Type of gen. func.: ogf

{a(n + 4) - a(n + 3) + a(n + 2) - a(n + 1) + a(n), a(0) = 0, a(1) = 1,

a(2) = -1, a(3) = -1}

Sequence: A330033
Score: 5.51781
Type of gen. func.: ogf

$$f(x) x^4 - f(x) x^3 + f(x) x^2 - x^3 - f(x) x + 2 x^2 + f(x) - x$$

Sequence: A330035
Score: 3.60398
Type of gen. func.: ogf

$$-\frac{x (x^{10} - x^9 + x^8 + x^7 - x^6 + x^5 + x^4 - x^3 + x^2 + x - 1)}{(x + 1) (x^{10} - x^9 + x^8 - x^7 + x^6 - x^5 + x^4 - x^3 + x^2 - x + 1)}$$

Sequence: A330044
Score: 3.63221
Type of gen. func.: egf]

$$\{a(n+5)\,n - a(n+2)\,n + 5\,a(n+5) - a(n+4) - 5\,a(n+2) + a(n+1),$$

$$a(0) = 1,\ a(1) = 1,\ a(2) = 1/2,\ a(3) = 7/6,\ a(4) = \frac{25}{24}\}$$

Sequence: A330045
Score: 3.24848
Type of gen. func.: egf]

$$\{-a(n+2)\,n + a(n+6)\,n - a(n+5) - 6\,a(n+2) + a(n+1) + 6\,a(n+6),$$

$$a(0) = 1,\ a(1) = 1,\ a(2) = 1/2,\ a(3) = 1/6,\ a(4) = \frac{25}{24},\ a(5) = \frac{121}{120}\}$$

Sequence: A330050
Score: 6.79419
Type of gen. func.: ogf

$$-\frac{x\,(x+1)\,(3\,x^2 - 5\,x + 3)}{(x-1)\,(x^2 - 3\,x + 1)\,(x^2 + x - 1)\,(x^2 - x - 1)}$$

Sequence: A330051
Score: 6.95841
Type of gen. func.: ogf

$$-\frac{x^2\,(x^3 - x^2 - x + 2)}{(x-1)\,(x^2 - 3\,x + 1)\,(x^2 + x - 1)\,(x^2 - x - 1)}$$

Sequence: A330057
Score: 11.057
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A330082
Score: 13.5895
Type of gen. func.: ogf

$$-\frac{5x(x^6+4x^3+1)}{(x-1)^3(x^2+1)^3}$$

Sequence: A330112
Score: 4.5306
Type of gen. func.: ogf

$$(x+1)(3x^9+2x^5+x^4+x+2)(x^2+1)\Big/\left((x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)(x-1)^2\right)$$

Sequence: A330130
Score: 4.87058
Type of gen. func.: ogf

$$-(6x^{15}+10x^{14}+18x^{13}+24x^{12}+26x^{11}+29x^{10}+30x^9+29x^8+28x^7+26x^6+18x^5+12x^4+8x^3+4x^2+2x+1)\Big/(x^{10}+x^8-1)$$

Sequence: A330132
Score: 10.6355
Type of gen. func.: ogf

$$-\frac{6x^6+6x^5+9x^4+5x^3+3x^2+2x+1}{x^3+x-1}$$

Sequence: A330132
Score: 5.60912
Type of gen. func.: ogf

{a(n + 7) - a(n + 6) - a(n + 4), a(0) = 1, a(1) = 3, a(2) = 6, a(3) = 12,

a(4) = 24, a(5) = 36, a(6) = 54}

Sequence: A330133
Score: 10.0898
Type of gen. func.: ogf

$$-\frac{x (x^4 + x^3 + x^2 + x + 1)}{(x + 1) (x^2 + 1) (x - 1)^3}$$

Sequence: A330133
Score: 4.84538
Type of gen. func.: ogf

{-a(n + 6) + 2 a(n + 5) - a(n + 4) + a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0,

a(1) = 1, a(2) = 3, a(3) = 6, a(4) = 10, a(5) = 16}

Sequence: A330135
Score: 12.5015
Type of gen. func.: ogf

$$\frac{1}{(10000 x - 1) (x - 1)}$$

Sequence: A330135
Score: 3.58953
Type of gen. func.: ogf

$$(100000001 f(x) + 20000) (10000 f(x) x^2 - 10001 f(x) x + f(x) - 1)$$

Sequence: A330135
Score: 4.21561
Type of gen. func.: ogf

{-a(n + 2) + 10001 a(n + 1) - 10000 a(n), a(0) = 1, a(1) = 10001}

Sequence: A330139
Score: 18.234
Type of gen. func.: ogf

$$\frac{1460 x^{20} + 55 x^{11} + 4 x^{4} - 1}{x^{2} + x - 1}$$

Sequence: A330151
Score: 14.2979
Type of gen. func.: ogf

$$\frac{16 x (x + 1) (x^{2} + 10 x + 1)}{(x - 1)^{6}}$$

Sequence: A330151
Score: 3.7626
Type of gen. func.: ogf

{a(n + 6) - 6 a(n + 5) + 15 a(n + 4) - 20 a(n + 3) + 15 a(n + 2) - 6 a(n + 1) + a(n), a(0) = 0, a(1) = 16, a(2) = 272, a(3) = 1568, a(4) = 5664, a(5) = 15664}

Sequence: A330170
Score: 4.32643
Type of gen. func.: ogf

$$(188 f(x) - 30337) (36 f(x) x^{4} - 72 f(x) x^{3} + 47 f(x) x^{2} + 72 x^{3} - 12 f(x) x - 144 x^{2} + f(x) + 72 x - 10)$$

Sequence: A330170
Score: 4.53529
Type of gen. func.: ogf

{a(n + 4) - 12 a(n + 3) + 47 a(n + 2) - 72 a(n + 1) + 36 a(n), a(0) = 10, a(1) = 48, a(2) = 250, a(3) = 1392}

Sequence: A330170
Score: 7.82877
Type of gen. func.: ogf

$$-\frac{2\,(36\,x^{3}-72\,x^{2}+36\,x-5)}{(x-1)\,(6\,x-1)\,(3\,x-1)\,(2\,x-1)}$$

Sequence: A330179
Score: 3.94794
Type of gen. func.: ogf

$$(2\,x^{12}+4\,x^{11}+5\,x^{10}+4\,x^{9}+5\,x^{8}+4\,x^{7}+6\,x^{6}+5\,x^{5}+4\,x^{4}+5\,x^{3}+4\,x^{2}+5\,x+4)\;\Big/\;((x+1)\,(x^{2}+1)\,(x^{2}+x+1)\,(x^{2}-x+1)\,(x^{4}-x^{2}+1)\,(x-1)^{2})$$

Sequence: A330197
Score: 9.69331
Type of gen. func.: ogf

$$\frac{2\,x^{3}\,(x+2)\,(x^{2}+2\,x+3)}{(x+1)^{2}\,(x^{2}+x+1)^{2}\,(x-1)^{4}}$$

Sequence: A330246
Score: 10.2146
Type of gen. func.: ogf

$$\{-a(n+2)+5\,a(n+1)-4\,a(n),\ a(0)=4,\ a(1)=17\}$$

Sequence: A330246
Score: 18.6852
Type of gen. func.: ogf

$$-\frac{3\,x-4}{(4\,x-1)\,(x-1)}$$

Sequence: A330246
Score: 8.80566
Type of gen. func.: ogf

$$(53 f(x) + 77) (4 f(x) x^2 - 5 f(x) x + f(x) + 3 x - 4)$$

Sequence: A330298
Score: 22.2847
Type of gen. func.: ogf

$$\frac{x^4 (x + 2)}{(x + 1)^3 (x - 1)^4}$$

Sequence: A330298
Score: 4.17202
Type of gen. func.: ogf

$$\{-2 a(n + 4) n - a(n + 3) n + 2 a(n + 2) n + a(n + 1) n + 4 a(n + 3) + 11 a(n + 2) + 3 a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 2\}$$

Sequence: A330299
Score: 20.0086
Type of gen. func.: ogf

$$- \frac{x^6 (x + 3)}{(x + 1)^4 (x - 1)^5}$$

Sequence: A330300
Score: 15.8059
Type of gen. func.: ogf

$$\frac{x^6 (x^3 + 3 x^2 + 3 x + 3)}{\qquad {}^{5} \qquad\quad {}^{6}}$$

$$(x + 1)\ (x - 1)$$

Sequence: A330336
Score: 3.44136
Type of gen. func.: ogf

$$x\,(91\,x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + 2\,x^{9} + 2\,x^{8} + 2\,x^{7} + 2\,x^{6} + 2\,x^{5} + x^{4} + x^{3} + x^{2} + x + 1) \Big/ \left((x^{4} + x^{3} + x^{2} + x + 1)\,(x - 1)^{2}\,(x + 1)^{2}\,(x^{4} - x^{3} + x^{2} - x + 1)^{2}\right)$$

Sequence: A330343
Score: 2.80274
Type of gen. func.: ogf

$$-(f(x) - 1)\,(5760\,x^{5} + 133\,f(x)\,x - f(x) - 133\,x + 1)$$

Sequence: A330357
Score: 14.6963
Type of gen. func.: ogf

$$-\frac{3\,x^{3} - 2\,x^{2} - x + 2}{(x + 1)\,(x - 1)^{3}}$$

Sequence: A330357
Score: 6.92303
Type of gen. func.: ogf

$$(14\,f(x) - 11)\,(f(x)\,x^{4} - 2\,f(x)\,x^{3} + 3\,x^{3} + 2\,f(x)\,x - 2\,x^{2} - f(x) - x + 2)$$

Sequence: A330357
Score: 7.22144
Type of gen. func.: ogf

$\{-a(n + 4) + 2\,a(n + 3) - 2\,a(n + 1) + a(n),\ a(0) = 2,\ a(1) = 3,\ a(2) = 4,$

$a(3) = 7\}$

Sequence: A330363
Score: 5.68063
Type of gen. func.: ogf

$$-(47673169 x^6 - 276392276 x^5 + 668276873 x^4 - 862499348 x^3 + 626672785 x^2 - 243032172 x + 39300979) / (x - 1)^7$$

Sequence: A330389
Score: 4.44953
Type of gen. func.: ogf

$$-(15862174799883264 f(x) + 143996301931204001315)$$

$$(5072427360 x^4 + 281035755 x^3 + f(x) x + 764505 x^2 - f(x) + 1215 x + 45)$$

Sequence: A330389
Score: 5.54425
Type of gen. func.: ogf

$\{-a(n + 5) + a(n + 4), a(0) = 45, a(1) = 1260, a(2) = 765765, a(3) = 281801520,$

$a(4) = 5354228880\}$

Sequence: A330389
Score: 9.56953
Type of gen. func.: ogf

$$-\frac{45 (112720608 x^4 + 6245239 x^3 + 16989 x^2 + 27 x + 1)}{x - 1}$$

Sequence: A330390
Score: 18.411
Type of gen. func.: ogf

$$-\frac{15 x + 1}{2}$$

$$17 x + 2 x - 1$$

Sequence: A330390
Score: 7.6386
Type of gen. func.: ogf

$$-(26 f(x) + 263) (17 f(x) x^2 + 2 f(x) x - f(x) + 15 x + 1)$$

Sequence: A330390
Score: 9.44774
Type of gen. func.: ogf

$$\{a(n + 2) - 2 a(n + 1) - 17 a(n), a(0) = 1, a(1) = 17\}$$

Sequence: A330395
Score: 18.645
Type of gen. func.: ogf

$$\frac{2 x^4 - 3 x^3 - 4 x^2 + 5 x + 1}{(x - 1)^4}$$

Sequence: A330395
Score: 5.81913
Type of gen. func.: ogf

$$\{-a(n + 5) + 4 a(n + 4) - 6 a(n + 3) + 4 a(n + 2) - a(n + 1), a(0) = 1,$$
$$a(1) = 9, a(2) = 26, a(3) = 51, a(4) = 85\}$$

Sequence: A330395
Score: 5.97126
Type of gen. func.: ogf

$$(1250 f(x) + 152593) (f(x) x^4 - 4 f(x) x^3 - 2 x^4 + 6 f(x) x^2 + 3 x^3 - 4 f(x) x$$
$$+ 4 x^2 + f(x) - 5 x - 1)$$

Sequence: A330396
Score: 17.458
Type of gen. func.: ogf

$$\frac{3 x^3 - x^2 - x + 2}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A330396
Score: 8.72902
Type of gen. func.: ogf

$$(69 f(x) + 271) (f(x) x^4 - f(x) x^3 - 3 x^3 - f(x) x + x^2 + f(x) + x - 2)$$

Sequence: A330396
Score: 9.26035
Type of gen. func.: ogf

{a(n + 4) - a(n + 3) - a(n + 1) + a(n), a(0) = 2, a(1) = 1, a(2) = 0, a(3) = 5}

Sequence: A330451
Score: 3.9111
Type of gen. func.: ogf

{-a(n + 5) + 2 a(n + 4) - a(n + 3) + a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0,

a(1) = 3, a(2) = 13, a(3) = 30, a(4) = 53}

Sequence: A330451
Score: 8.89374
Type of gen. func.: ogf

$$-\frac{x (x + 1) (3 x^2 + 4 x + 3)}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A330500
Score: 4.22316
Type of gen. func.: ogf

$$(x^4 - x^3 + x^2 - x + 1)\left(x^{22} + x^{21} - x^{17} - x^{16} - x^{13} + x^{11} + x^{10} + x^8 - x^6 - x^5 + 1\right) \Big/ \left((x^6 + x^3 + 1)(x^2 + x + 1)^2 (x - 1)^4\right)$$

Sequence: A330500
Score: 4.40287
Type of gen. func.: ogf

$$(x^4 - x^3 + x^2 - x + 1)\left(x^{22} + x^{21} - x^{17} - x^{16} - x^{13} + x^{11} + x^{10} + x^8 - x^6 - x^5 + 1\right) \Big/ \left((x^6 + x^3 + 1)(x^2 + x + 1)^2 (x - 1)^4\right)$$

Sequence: A330513
Score: 7.79515
Type of gen. func.: ogf

$$-\frac{x^{15} - x^7 + x^5 - x^4 + x^3 - x + 1}{(x + 1)(x^2 + 1)(x - 1)^3}$$

Sequence: A330513
Score: 8.43149
Type of gen. func.: ogf

$$-\frac{x^{15} - x^7 + x^5 - x^4 + x^3 - x + 1}{(x + 1)(x^2 + 1)(x - 1)^3}$$

Sequence: A330520
Score: 15.4401
Type of gen. func.: ogf

$$2\,x^2\,(x^2 + x + 1)$$

$$-\frac{}{(x + 1)^{2} (x - 1)^{5}}$$

Sequence: A330520
Score: 17.7707
Type of gen. func.: ogf

$$-\frac{2 x^{2} (x^{2} + x + 1)}{(x + 1)^{2} (x - 1)^{5}}$$

Sequence: A330520
Score: 3.65057
Type of gen. func.: ogf

$$\{a(n + 5) n + a(n + 4) n - a(n + 2) n - a(n + 1) n + 3 a(n + 5) - 2 a(n + 4) - 12 a(n + 3) - 9 a(n + 2) - 4 a(n + 1), a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 8, a(4) = 24\}$$

Sequence: A330592
Score: 17.8646
Type of gen. func.: ogf

$$-\frac{2 x^{2} (2 x + 1)}{(2 x^{2} - 1)^{3}}$$

Sequence: A330592
Score: 21.7272
Type of gen. func.: ogf

$$-\frac{2 x^{2} (2 x + 1)}{(2 x^{2} - 1)^{3}}$$

Sequence: A330592
Score: 5.70146
Type of gen. func.: ogf

{-a(n + 6) + 6 a(n + 4) - 12 a(n + 2) + 8 a(n), a(0) = 0, a(1) = 0, a(2) = 2,

a(3) = 4, a(4) = 12, a(5) = 24}

Sequence: A330602
Score: 5.49324
Type of gen. func.: ogf

{-a(n + 6) + a(n + 4) + a(n + 2) - a(n), a(0) = 0, a(1) = 2, a(2) = 1, a(3) = 5,

a(4) = 0, a(5) = 6}

Sequence: A330602
Score: 8.15126
Type of gen. func.: ogf

$$-\frac{x (x^4 + x^3 - 3 x^2 - x - 2)}{(x^2 + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A330602
Score: 8.91844
Type of gen. func.: ogf

$$-\frac{x (x^4 + x^3 - 3 x^2 - x - 2)}{(x^2 + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A330607
Score: 7.88435
Type of gen. func.: ogf

$$-\frac{6 x^{14} - 4 x^{13} - 4 x^{12} + 6 x^{11} + x^{10} - 2 x^9 - 2 x^6 + 4 x^5 - 1}{(5 x^5 - 1) (5 x^{10} - 1)}$$

Sequence: A330607
Score: 8.43282
Type of gen. func.: ogf

$$-\frac{6x^{14}-4x^{13}-4x^{12}+6x^{11}+x^{10}-2x^{9}-2x^{6}+4x^{5}-1}{(5x^{5}-1)(5x^{10}-1)}$$

Sequence: A330619
Score: 7.46346
Type of gen. func.: ogf

$$-\frac{(2x^{5}-2x^{4}+1)(4x^{10}+4x^{8}-4x^{4}+1)}{(2x^{2}-1)(2x^{2}+1)(8x^{8}-4x^{4}+1)}$$

Sequence: A330619
Score: 7.96946
Type of gen. func.: ogf

$$-\frac{(2x^{5}-2x^{4}+1)(4x^{10}+4x^{8}-4x^{4}+1)}{(2x^{2}-1)(2x^{2}+1)(8x^{8}-4x^{4}+1)}$$

Sequence: A330633
Score: 4.66602
Type of gen. func.: ogf

$$\frac{x^{11}(9x^{8}+8x^{7}+7x^{6}+6x^{5}+5x^{4}+4x^{3}+3x^{2}+2x+1)}{(x-1)^{2}(x+1)^{2}(x^{4}+x^{3}+x^{2}+x+1)^{2}(x^{4}-x^{3}+x^{2}-x+1)^{2}}$$

Sequence: A330633
Score: 4.88559
Type of gen. func.: ogf

$$\frac{x^{11}(9x^{8}+8x^{7}+7x^{6}+6x^{5}+5x^{4}+4x^{3}+3x^{2}+2x+1)}{(x-1)^{2}(x+1)^{2}(x^{4}+x^{3}+x^{2}+x+1)^{2}(x^{4}-x^{3}+x^{2}-x+1)^{2}}$$

Sequence: A330635
Score: 5.22015
Type of gen. func.: ogf

$$-(36 x^{21} - 36 x^{18} + 8 x^{17} - 4 x^{16} - 4 x^{15} + 8 x^{14} - 4 x^{13} + 8 x^{12} + 2 x^{10} + x^{9} + 2 x^{7} - 5 x^{6} + 1) / ((6 x^{6} - 1) (12 x^{12} + 1))$$

Sequence: A330635
Score: 5.49133
Type of gen. func.: ogf

$$-(36 x^{21} - 36 x^{18} + 8 x^{17} - 4 x^{16} - 4 x^{15} + 8 x^{14} - 4 x^{13} + 8 x^{12} + 2 x^{10} + x^{9} + 2 x^{7} - 5 x^{6} + 1) / ((6 x^{6} - 1) (12 x^{12} + 1))$$

Sequence: A330640
Score: 12.4967
Type of gen. func.: ogf

$$\frac{x^{6} - x^{5} + 2 x^{3} - x^{2} - x + 1}{(x + 1)^{2} (x - 1)^{4}}$$

Sequence: A330640
Score: 13.9456
Type of gen. func.: ogf

$$\frac{x^{6} - x^{5} + 2 x^{3} - x^{2} - x + 1}{(x + 1)^{2} (x - 1)^{4}}$$

Sequence: A330640
Score: 4.47556
Type of gen. func.: ogf

$\{-a(n + 7) + 2 a(n + 6) + a(n + 5) - 4 a(n + 4) + a(n + 3) + 2 a(n + 2)$

$- a(n + 1), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 3, a(4) = 5, a(5) = 7,$

a(6) = 11}

Sequence: A330641
Score: 7.14573
Type of gen. func.: ogf

$$\frac{x^{12} - x^{11} + x^{9} + x^{8} - x^{7} - 2 x^{6} + x^{5} + 2 x^{4} - x^{2} - x + 1}{(x + 1)^{2} (x^{2} + x + 1)^{2} (x - 1)^{6}}$$

Sequence: A330641
Score: 7.58211
Type of gen. func.: ogf

$$\frac{x^{12} - x^{11} + x^{9} + x^{8} - x^{7} - 2 x^{6} + x^{5} + 2 x^{4} - x^{2} - x + 1}{(x + 1)^{2} (x^{2} + x + 1)^{2} (x - 1)^{6}}$$

Sequence: A330642
Score: 4.79235
Type of gen. func.: ogf

$$(x^{20} - x^{19} + x^{17} + x^{15} - 2 x^{14} - x^{13} + x^{12} + x^{11} + 3 x^{10} - 2 x^{9} - 2 x^{8} - x^{7} + 3 x^{5} - x^{2} - x + 1) \Big/ ((x^{2} + 1)^{2} (x^{2} + x + 1)^{2} (x + 1)^{4} (x - 1)^{8})$$

Sequence: A330642
Score: 4.98997
Type of gen. func.: ogf

$$(x^{20} - x^{19} + x^{17} + x^{15} - 2 x^{14} - x^{13} + x^{12} + x^{11} + 3 x^{10} - 2 x^{9} - 2 x^{8} - x^{7} + 3 x^{5} - x^{2} - x + 1) \Big/ ((x^{2} + 1)^{2} (x^{2} + x + 1)^{2} (x + 1)^{4} (x - 1)^{8})$$

Sequence: A330651
Score: 12.4639

Type of gen. func.: ogf

$$-\frac{2 x (x^3 - 3 x^2 + 12 x + 2)}{(x - 1)^5}$$

Sequence: A330651
Score: 14.4581
Type of gen. func.: ogf

$$-\frac{2 x (x^3 - 3 x^2 + 12 x + 2)}{(x - 1)^5}$$

Sequence: A330651
Score: 4.25238
Type of gen. func.: ogf

{-a(n + 5) + 5 a(n + 4) - 10 a(n + 3) + 10 a(n + 2) - 5 a(n + 1) + a(n),

a(0) = 0, a(1) = 4, a(2) = 44, a(3) = 174, a(4) = 472}

Sequence: A330700
Score: 17.1646
Type of gen. func.: ogf

$$\frac{x^2 (x + 1) (x - 5)}{(x - 1)^5}$$

Sequence: A330700
Score: 20.5138
Type of gen. func.: ogf

$$\frac{x^2 (x + 1) (x - 5)}{(x - 1)^5}$$

Sequence: A330700
Score: 5.06665
Type of gen. func.: ogf

{a(n + 5) - 5 a(n + 4) + 10 a(n + 3) - 10 a(n + 2) + 5 a(n + 1) - a(n),

a(0) = 0, a(1) = 0, a(2) = 5, a(3) = 29, a(4) = 94}

Sequence: A330707
Score: 10.8583
Type of gen. func.: ogf

$$-\frac{x\,(2\,x^{2} + 1)}{(x^{2} + 1)\,(x - 1)^{3}}$$

Sequence: A330707
Score: 12.4973
Type of gen. func.: ogf

$$-\frac{x\,(2\,x^{2} + 1)}{(x^{2} + 1)\,(x - 1)^{3}}$$

Sequence: A330707
Score: 4.03878
Type of gen. func.: ogf

{-a(n + 5) + 3 a(n + 4) - 4 a(n + 3) + 4 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 0,

a(1) = 1, a(2) = 3, a(3) = 7, a(4) = 13}

Sequence: A330715
Score: 8.77963
Type of gen. func.: ogf

$$-\frac{2\,x^{8} - 2\,x^{7} + x^{6} - x^{4} + 2\,x^{3} - x^{2} - x + 1}{(x + 1)\,(x - 1)^{3}}$$

Sequence: A330715
Score: 9.56881
Type of gen. func.: ogf

$$-\frac{2x^8 - 2x^7 + x^6 - x^4 + 2x^3 - x^2 - x + 1}{(x+1)(x-1)^3}$$

Sequence: A330767
Score: 10.4605
Type of gen. func.: ogf

$$\{-a(n+2) + 25\,a(n+1) + a(n),\ a(0) = 2,\ a(1) = 25\}$$

Sequence: A330767
Score: 18.4883
Type of gen. func.: ogf

$$\frac{25x - 2}{x^2 + 25x - 1}$$

Sequence: A330767
Score: 22.7142
Type of gen. func.: ogf

$$\frac{25x - 2}{x^2 + 25x - 1}$$

Sequence: A330767
Score: 8.36841
Type of gen. func.: ogf

$$-(629 f(x) - 633)(f(x)x^2 + 25 f(x)x - f(x) - 25x + 2)$$

Sequence: A330770
Score: 13.2504
Type of gen. func.: ogf

$$-\frac{155 x - 36}{(-1 + 8 x) (x - 1)}$$

Sequence: A330770
Score: 15.6595
Type of gen. func.: ogf

$$-\frac{155 x - 36}{(-1 + 8 x) (x - 1)}$$

Sequence: A330770
Score: 7.10328
Type of gen. func.: ogf

$$-(945 f(x) - 5459) (8 f(x) x^2 - 9 f(x) x + f(x) + 155 x - 36)$$

Sequence: A330770
Score: 8.94829
Type of gen. func.: ogf

$$\{a(n + 2) - 9 a(n + 1) + 8 a(n), a(0) = 36, a(1) = 169\}$$

Sequence: A330793
Score: 3.31558
Type of gen. func.: ogf

$$\{-5 a(n + 2) n^2 + 22 a(n + 1) n^2 + 27 a(n) n^2 - 15 a(n + 2) n + 60 a(n + 1) n + 27 a(n) n - 10 a(n + 2) + 38 a(n + 1) + 6 a(n), a(0) = 1, a(1) = 2, a(2) = 8\}$$

Sequence: A330793
Score: 6.95973
Type of gen. func.: ogf

$$27 f(x)^3 x - 5 f(x)^3 - 27 f(x)^2 x + 5 f(x)^2 + 9 f(x) x + f(x) - x - 1$$

Sequence: A330795
Score: 11.3304
Type of gen. func.: ogf

$$-4 f(x) x^2 - 3 f(x) x + 4 x^2 + f(x) - 1$$

Sequence: A330795
Score: 13.3182
Type of gen. func.: ogf

$$\frac{(2 x - 1) (2 x + 1)}{(x + 1) (4 x - 1)}$$

Sequence: A330795
Score: 15.4926
Type of gen. func.: ogf

$$\frac{(2 x - 1) (2 x + 1)}{(x + 1) (4 x - 1)}$$

Sequence: A330795
Score: 8.07592
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) + 4 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 9\}$$

Sequence: A330796
Score: 3.44018
Type of gen. func.: ogf

$$\{3 a(n + 2) n + 9 a(n + 1) n - 5 a(n + 3) n + a(n + 4) n + 15 a(n + 2) + 18 a(n + 1) - 22 a(n + 3) + 5 a(n + 4), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 14\}$$

Sequence: A330796
Score: 5.55722
Type of gen. func.: ogf

1/2 1/2 1/2 1/2

$$\frac{-1/2\ I\ (x\ (3 x - 1) \quad I - (3 x - 1) \quad I + 3 (x + 1) \quad x - (x + 1) \quad)}{x (3 x - 1)^{3/2}}$$

Sequence: A330796
Score: 7.03258
Type of gen. func.: ogf

$$9 f(x)^2 x^3 - 6 f(x)^2 x^2 + f(x)^2 x - 3 f(x) x^2 + 4 f(x) x - f(x) + x$$

Sequence: A330797
Score: 24.2298
Type of gen. func.: egf]

$$2 x + 1 - f(x)^2$$

Sequence: A330797
Score: 30.0449
Type of gen. func.: egf]

$$(2 x + 1)^{1/2}$$

Sequence: A330797
Score: 8.34581
Type of gen. func.: ogf

$$\{-2 a(n + 1) n - a(n + 2) - a(n + 1), a(0) = 1, a(1) = 1\}$$

Sequence: A330799
Score: 10.4091
Type of gen. func.: ogf

$$-7 f(x)^2 x^2 + f(x)^2 x - 4 f(x) x + f(x) - 1$$

Sequence: A330799
Score: 8.43684
Type of gen. func.: ogf

$$\frac{1/2\ I\ ((2 x + 1)^{1/2} (6 x - 1)^{1/2} + 4\ I\ x - I)}{x (7 x - 1)}$$

Sequence: A330800
Score: 12.6573
Type of gen. func.: ogf

$$3 f(x)^{2} x^{2} - f(x)^{2} x - f(x) + 1$$

Sequence: A330800
Score: 9.2195
Type of gen. func.: ogf

$$\frac{1/2\ I\ ((6 x + 1)^{1/2} (2 x - 1)^{1/2} - I)}{(3 x - 1) x}$$

Sequence: A330801
Score: 3.90963
Type of gen. func.: ogf

$$-4 f(x)^{3} x^{3} - 44 f(x)^{3} x^{2} - 4 f(x)^{2} x^{3} + 4 f(x)^{3} x - 44 f(x)^{2} x^{2} + 4 f(x)^{2} x$$
$$- f(x) x^{2} + 10 f(x) x - x^{2} - f(x) - 14 x + 1$$

Sequence: A330802
Score: 9.29172
Type of gen. func.: ogf

$$-3 f(x)^{2} x^{2} - f(x)^{2} x - 4 f(x) x + f(x) - 1$$

Sequence: A330802
Score: 9.66842
Type of gen. func.: ogf

$$4 x - 1 + (4 x^{2} - 12 x + 1)^{1/2}$$

$$- \frac{\qquad}{2 x (1 + 3 x)}$$

Sequence: A330803
Score: 11.5073
Type of gen. func.: ogf

$$-f(x)^2 x^2 - 3 f(x)^2 x - f(x) + 1$$

Sequence: A330803
Score: 9.69898
Type of gen. func.: ogf

$$\frac{-1 + (4 x^2 + 12 x + 1)^{1/2}}{2 x (x + 3)}$$

Sequence: A330805
Score: 20.4947
Type of gen. func.: ogf

$$- \frac{x (x + 3)^2}{(x - 1)^5}$$

Sequence: A330805
Score: 25.4631
Type of gen. func.: ogf

$$- \frac{x (x + 3)^2}{(x - 1)^5}$$

Sequence: A330805
Score: 4.94284
Type of gen. func.: ogf

{-a(n + 5) + 5 a(n + 4) - 10 a(n + 3) + 10 a(n + 2) - 5 a(n + 1) + a(n),

a(0) = 0, a(1) = 9, a(2) = 51, a(3) = 166, a(4) = 410}

Sequence: A330844
Score: 3.99538
Type of gen. func.: ogf

{-a(n + 7) + 2 a(n + 6) + a(n + 5) - 2 a(n + 4) - 2 a(n + 3) + 2 a(n + 2),

a(0) = 1, a(1) = 6, a(2) = 18, a(3) = 42, a(4) = 90, a(5) = 186, a(6) = 366

}

Sequence: A330844
Score: 8.36147
Type of gen. func.: ogf

$$-\frac{(2x+1)(6x^5+2x^4+x^2+2x+1)}{(2x^3+2x^2-1)(x-1)^2}$$

Sequence: A330844
Score: 9.11307
Type of gen. func.: ogf

$$-\frac{(2x+1)(6x^5+2x^4+x^2+2x+1)}{(2x^3+2x^2-1)(x-1)^2}$$

Sequence: A330859
Score: 5.36294
Type of gen. func.: ogf

$$-\frac{89x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-100}{(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x-1)^2}$$

Sequence: A330859
Score: 5.58994
Type of gen. func.: ogf

10   9   8   7   6   5   4   3   2

```
             89 x   - x  - x  - x  - x  - x  - x  - x  - x  - x - 100
        - --------------------------------------------------------------
                    4    3    2              4    3    2                 2
          (x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1) (x - 1)
```

Sequence: A330881
Score: 8.59916
Type of gen. func.: ogf

```
                                6    5    4    2
                             x (x  - x  + x  + x  + 1)
                             --------------------------
                               2        4             2
                             (x  + 1) (x  + 1) (x - 1)
```

Sequence: A330881
Score: 9.37212
Type of gen. func.: ogf

```
                                6    5    4    2
                             x (x  - x  + x  + x  + 1)
                             --------------------------
                               2        4             2
                             (x  + 1) (x  + 1) (x - 1)
```

Sequence: A330910
Score: 11.1452
Type of gen. func.: ogf

```
                                          x
                       - ----------------------------------
                            2            3    2             2
                         (x  - x + 1) (x  + x  - 1) (x - 1)
```

Sequence: A330910
Score: 12.5169
Type of gen. func.: ogf

```
                                          x
                       - ----------------------------------
                            2            3    2             2
                         (x  - x + 1) (x  + x  - 1) (x - 1)
```

Sequence: A330983
Score: 10.4583
Type of gen. func.: ogf

$$-\frac{2 x^5 - 7 x^4 + 24 x^3 + 6 x^2 + 6 x + 1}{(x - 1)^3 (x + 1)^3}$$

Sequence: A330983
Score: 11.589
Type of gen. func.: ogf

$$-\frac{2 x^5 - 7 x^4 + 24 x^3 + 6 x^2 + 6 x + 1}{(x - 1)^3 (x + 1)^3}$$

Sequence: A330983
Score: 5.95544
Type of gen. func.: ogf

{-a(n + 6) + 3 a(n + 4) - 3 a(n + 2) + a(n), a(0) = 1, a(1) = 6, a(2) = 9,

a(3) = 42, a(4) = 17, a(5) = 110}

Sequence: A330987
Score: 10.2162
Type of gen. func.: ogf

$$-\frac{x^5 - 7 x^4 + 12 x^3 + 6 x^2 + 3 x + 1}{(x - 1)^3 (x + 1)^3}$$

Sequence: A330987
Score: 11.3207
Type of gen. func.: ogf

$$-\frac{x^5 - 7 x^4 + 12 x^3 + 6 x^2 + 3 x + 1}{(x - 1)^3 (x + 1)^3}$$

Sequence: A330987
Score: 5.85826

Type of gen. func.: ogf

{-a(n + 6) + 3 a(n + 4) - 3 a(n + 2) + a(n), a(0) = 1, a(1) = 3, a(2) = 9,

a(3) = 21, a(4) = 17, a(5) = 55}

Sequence: A331101
Score: 11.9094
Type of gen. func.: ogf

$$- \frac{x^5 + x^3 - 3 x^2 - 2 x - 1}{x^6 - 6 x^3 + 1}$$

Sequence: A331101
Score: 13.3751
Type of gen. func.: ogf

$$- \frac{x^5 + x^3 - 3 x^2 - 2 x - 1}{x^6 - 6 x^3 + 1}$$

Sequence: A331101
Score: 7.01115
Type of gen. func.: ogf

{a(n + 6) - 6 a(n + 3) + a(n), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 5,

a(4) = 12, a(5) = 17}

Sequence: A331106
Score: 9.0612
Type of gen. func.: ogf

$$f(x) (-f(x) x^4 + f(x)^2 x^2 + f(x)^2 x + x^3 - f(x))$$

Sequence: A331115
Score: 12.1326
Type of gen. func.: ogf

$$-\frac{(x+1)(x^3-2x^2-2x-1)}{x^6-6x^3+1}$$

Sequence: A331115
Score: 13.5392
Type of gen. func.: ogf

$$-\frac{(x+1)(x^3-2x^2-2x-1)}{x^6-6x^3+1}$$

Sequence: A331115
Score: 7.53394
Type of gen. func.: ogf

$\{a(n+6) - 6\,a(n+3) + a(n), a(0) = 1, a(1) = 3, a(2) = 4, a(3) = 7,$

$a(4) = 17, a(5) = 24\}$

Sequence: A331162
Score: 4.98887
Type of gen. func.: ogf

$$-\frac{x(x^{19}-x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)}{(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x-1)^2}$$

Sequence: A331162
Score: 5.18942
Type of gen. func.: ogf

$$-\frac{x(x^{19}-x^{10}-x^9-x^8-x^7-x^6-x^5-x^4-x^3-x^2-x-1)}{(x+1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)(x-1)^2}$$

Sequence: A331190
Score: 18.806
Type of gen. func.: ogf

$$-\frac{5\,(2\,x^{2}-6\,x+9)}{(x-1)^{3}}$$

Sequence: A331190
Score: 22.8722
Type of gen. func.: ogf

$$-\frac{5\,(2\,x^{2}-6\,x+9)}{(x-1)^{3}}$$

Sequence: A331190
Score: 6.99397
Type of gen. func.: ogf

$$(3285\,f(x)-66497)\,(f(x)\,x^{3}-3\,f(x)\,x^{2}+3\,f(x)\,x+10\,x^{2}-f(x)-30\,x+45)$$

Sequence: A331190
Score: 7.76395
Type of gen. func.: ogf

$$\{a(n+3)-3\,a(n+2)+3\,a(n+1)-a(n),\ a(0)=45,\ a(1)=105,\ a(2)=190\}$$

Sequence: A331192
Score: 6.47513
Type of gen. func.: ogf

$$\frac{x\,(x^{6}-x^{5}-2\,x^{4}+4\,x^{3}-2\,x^{2}-4\,x-1)}{(x-1)\,(x+1)\,(x^{2}+x-1)\,(x^{2}-x-1)}$$

Sequence: A331192
Score: 6.90324
Type of gen. func.: ogf

6   5   4   3   2

$$\frac{x (x - x - 2 x + 4 x - 2 x - 4 x - 1)}{(x - 1) (x + 1) (x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A331211
Score: 10.1386
Type of gen. func.: ogf

$$\{-a(n + 2) + 8 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 15\}$$

Sequence: A331211
Score: 18.5463
Type of gen. func.: ogf

$$\frac{1 + 7 x}{3 x^2 - 8 x + 1}$$

Sequence: A331211
Score: 23.0423
Type of gen. func.: ogf

$$\frac{1 + 7 x}{3 x^2 - 8 x + 1}$$

Sequence: A331211
Score: 8.74019
Type of gen. func.: ogf

$$(38 f(x) + 37) (3 f(x) x^2 - 8 f(x) x + f(x) - 7 x - 1)$$

Sequence: A331261
Score: 6.17922
Type of gen. func.: ogf

$$- \frac{x (x^5 + x^4 - 4 x^3 - 4 x^2 - 5 x - 1)}{(x + 1) (x^2 + 1) (x^2 + 2 x - 1) (x^2 - 2 x - 1)}$$

Sequence: A331261
Score: 6.58776
Type of gen. func.: ogf

$$-\frac{x\,(x^5+x^4-4\,x^3-4\,x^2-5\,x-1)}{(x+1)\,(x^2+1)\,(x^2+2\,x-1)\,(x^2-2\,x-1)}$$

Sequence: A331265
Score: 6.04566
Type of gen. func.: ogf

$$x\,(217\,x^9+183\,x^8+161\,x^7+183\,x^6+217\,x^5-1023\,x^4-721\,x^3-483\,x^2-377\,x-279)\Big/\left((x-1)\,(x^{10}-6\,x^5+1)\right)$$

Sequence: A331265
Score: 6.39362
Type of gen. func.: ogf

$$x\,(217\,x^9+183\,x^8+161\,x^7+183\,x^6+217\,x^5-1023\,x^4-721\,x^3-483\,x^2-377\,x-279)\Big/\left((x-1)\,(x^{10}-6\,x^5+1)\right)$$

Sequence: A331319
Score: 14.8669
Type of gen. func.: ogf

$$-\frac{x\,(2\,x^2-1)}{(2\,x^2+2\,x-1)^2}$$

Sequence: A331319
Score: 17.5099
Type of gen. func.: ogf

$$-\frac{x\,(2\,x^2-1)}{(2\,x^2+2\,x-1)^2}$$

Sequence: A331319
Score: 6.79265
Type of gen. func.: ogf

{a(n + 4) - 4 a(n + 3) + 8 a(n + 1) + 4 a(n), a(0) = 0, a(1) = 1, a(2) = 4,

a(3) = 14}

Sequence: A331319
Score: 9.26997
Type of gen. func.: ogf

$$-4\,f(x)\,x^4 - 8\,f(x)\,x^3 - 2\,x^3 + 4\,f(x)\,x - f(x) + x$$

Sequence: A331320
Score: 11.5171
Type of gen. func.: ogf

$$\frac{(2\,x-1)\,(x+1)\,(2\,x^2-1)}{(2\,x^2+2\,x-1)^2}$$

Sequence: A331320
Score: 13.0276
Type of gen. func.: ogf

$$\frac{(2\,x-1)\,(x+1)\,(2\,x^2-1)}{(2\,x^2+2\,x-1)^2}$$

Sequence: A331320
Score: 5.75856
Type of gen. func.: ogf

{a(n + 5) - 4 a(n + 4) + 8 a(n + 2) + 4 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 8,

$a(3) = 26, a(4) = 80\}$

Sequence: A331320
Score: 6.16032
Type of gen. func.: ogf

$(76 f(x) + 43)$

$(4 f(x) x^4 + 8 f(x) x^3 - 4 x^4 - 2 x^3 - 4 f(x) x + 4 x^2 + f(x) + x - 1)$

Sequence: A331321
Score: 10.9025
Type of gen. func.: ogf

$$\frac{(x - 1) (x + 1) (x^2 + x - 1)}{(x^2 + 2 x - 1)^2}$$

Sequence: A331321
Score: 12.2443
Type of gen. func.: ogf

$$\frac{(x - 1) (x + 1) (x^2 + x - 1)}{(x^2 + 2 x - 1)^2}$$

Sequence: A331321
Score: 5.1018
Type of gen. func.: ogf

$\{a(n + 5) - 4 a(n + 4) + 2 a(n + 3) + 4 a(n + 2) + a(n + 1), a(0) = 1, a(1) = 3,$

$a(2) = 8, a(3) = 23, a(4) = 64\}$

Sequence: A331321
Score: 5.23605
Type of gen. func.: ogf

$-(79 + 172 f(x)) ($

$$f(x)\,x^4 + 4\,f(x)\,x^3 - x^4 + 2\,f(x)\,x^2 - x^3 - 4\,f(x)\,x + 2\,x^2 + f(x) + x - 1)$$

Sequence: A331322
Score: 14.3362
Type of gen. func.: ogf

$$\mathrm{hypergeom}([2/3, 4/3], [1], 27\,x)$$

Sequence: A331322
Score: 4.11961
Type of gen. func.: ogf

$$\{-a(n + 2)\,n^2 + 27\,a(n + 1)\,n^2 - 4\,a(n + 2)\,n + 108\,a(n + 1)\,n - 4\,a(n + 2)$$
$$+ 105\,a(n + 1),\ a(0) = 1,\ a(1) = 24\}$$

Sequence: A331323
Score: 15.5814
Type of gen. func.: ogf

$$-\frac{2\,x - 1}{(4\,x^2 - 8\,x + 1)^{3/2}}$$

Sequence: A331323
Score: 3.22147
Type of gen. func.: ogf

$$\{-20\,a(n + 2)\,n - a(n + 4)\,n + 10\,a(n + 3)\,n + 8\,a(n + 1)\,n - 60\,a(n + 2)$$
$$- 4\,a(n + 4) + 40\,a(n + 3) + 24\,a(n + 1),\ a(0) = 1,\ a(1) = 10,\ a(2) = 90,$$
$$a(3) = 772\}$$

Sequence: A331325
Score: 4.34175
Type of gen. func.: egf]

$$-\frac{\cosh(1)\cosh\left(\frac{1}{x - 1}\right) + \sinh(1)\sinh\left(\frac{1}{x - 1}\right)}{(\cosh(1) - \sinh(1))\,(\cosh(1) + \sinh(1))\,(x - 1)}$$

Sequence: A331326
Score: 4.44452
Type of gen. func.: egf]

$$\frac{\cosh(1)\sinh\left(\frac{1}{x-1}\right)+\sinh(1)\cosh\left(\frac{1}{x-1}\right)}{(\cosh(1)-\sinh(1))\,(\cosh(1)+\sinh(1))\,(x-1)}$$

Sequence: A331328
Score: 10.0769
Type of gen. func.: ogf

$$-\frac{-6x-1+3\,(4x^2-12x+1)^{1/2}}{2\,(15x-1)}$$

Sequence: A331328
Score: 9.66842
Type of gen. func.: ogf

$$-15\,f(x)^2\,x+f(x)^2+6\,f(x)\,x+f(x)-2$$

Sequence: A331334
Score: 12.0783
Type of gen. func.: egf]

$$\frac{\exp\left(-\frac{1}{2x+1}\right)}{\exp(-1)\,(2x+1)}$$

Sequence: A331334
Score: 4.25881
Type of gen. func.: ogf

$$\{4\,a(n+1)\,n^2+4\,a(n+2)\,n+16\,a(n+1)\,n+a(n+3)+8\,a(n+2)$$
$$+16\,a(n+1),\ a(0)=1,\ a(1)=0,\ a(2)=-4\}$$

Sequence: A331347
Score: 11.1402
Type of gen. func.: ogf

$$\frac{x^4 - 4 x^3 + 4 x^2 - 3 x + 1}{(x^2 - 3 x + 1) (x - 1)^2}$$

Sequence: A331347
Score: 4.92738
Type of gen. func.: ogf

$$\{a(n + 5) - 5 a(n + 4) + 8 a(n + 3) - 5 a(n + 2) + a(n + 1), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 15, a(4) = 37\}$$

Sequence: A331347
Score: 5.22905
Type of gen. func.: ogf

$$(47 f(x) - 84) (f(x) x^4 - 5 f(x) x^3 - x^4 + 8 f(x) x^2 + 4 x^3 - 5 f(x) x - 4 x^2 + f(x) + 3 x - 1)$$

Sequence: A331347
Score: 9.98274
Type of gen. func.: ogf

$$\frac{x^4 - 4 x^3 + 4 x^2 - 3 x + 1}{(x^2 - 3 x + 1) (x - 1)^2}$$

Sequence: A331350
Score: 4.03907
Type of gen. func.: egf]

$$1/60 \exp(x) (x^{10} + 55 x^9 + 1155 x^8 + 11880 x^7 + 64002 x^6 + 179802 x^5 + 248850 x^4 + 151200 x^3 + 33540 x^2 + 2340 x + 60)$$

Sequence: A331351
Score: 7.09049
Type of gen. func.: ogf

$$-\frac{2 x^6 + 282 x^5 + 1628 x^4 + 2253 x^3 + 813 x^2 + 61 x + 1}{(x - 1)^9}$$

Sequence: A331351
Score: 7.79954
Type of gen. func.: ogf

$$-\frac{2 x^6 + 282 x^5 + 1628 x^4 + 2253 x^3 + 813 x^2 + 61 x + 1}{(x - 1)^9}$$

Sequence: A331353
Score: 7.41546
Type of gen. func.: ogf

$$\frac{x^6 + 20 x^5 + 191 x^4 + 416 x^3 + 191 x^2 + 20 x + 1}{(x - 1)^8}$$

Sequence: A331353
Score: 8.22811
Type of gen. func.: ogf

$$\frac{x^6 + 20 x^5 + 191 x^4 + 416 x^3 + 191 x^2 + 20 x + 1}{(x - 1)^8}$$

Sequence: A331363
Score: 4.44948
Type of gen. func.: ogf

```
                         2   7    6    5      4    3
```

```
                      x  (x  - x  + x  + 2 x  - x  - 1)
                - -----------------------------------------------
                         2         2   2           2   2          2
                  (x - 1)  (x + 1)  (x  + x + 1)  (x  - x + 1)
```

Sequence: A331363
Score: 4.74366
Type of gen. func.: ogf

```
                       2   7    6    5      4    3
                      x  (x  - x  + x  + 2 x  - x  - 1)
                - -----------------------------------------------
                         2         2   2           2   2          2
                  (x - 1)  (x + 1)  (x  + x + 1)  (x  - x + 1)
```

Sequence: A331390
Score: 11.3951
Type of gen. func.: ogf

```
                              4      3      2
                           2 x  - 3 x  - 2 x  + 5 x + 1
                         - ----------------------------
                                                5
                                 (x + 1) (x - 1)
```

Sequence: A331390
Score: 12.7975
Type of gen. func.: ogf

```
                              4      3      2
                           2 x  - 3 x  - 2 x  + 5 x + 1
                         - ----------------------------
                                                5
                                 (x + 1) (x - 1)
```

Sequence: A331390
Score: 4.57055
Type of gen. func.: ogf

```
{a(n + 6) - 4 a(n + 5) + 5 a(n + 4) - 5 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 1,

    a(1) = 9, a(2) = 29, a(3) = 68, a(4) = 134, a(5) = 237}
```

Sequence: A331394
Score: 4.54581
Type of gen. func.: ogf

{a(n + 6) - a(n + 5) + a(n + 4) - 2 a(n + 3), a(0) = 1, a(1) = 1, a(2) = 1,

a(3) = 2, a(4) = 3, a(5) = 5}

Sequence: A331394
Score: 7.55933
Type of gen. func.: ogf

$$-\frac{(x+1)(2x^4-2x^3+2x^2-x+1)}{2x^3-x^2+x-1}$$

Sequence: A331394
Score: 8.30593
Type of gen. func.: ogf

$$-\frac{(x+1)(2x^4-2x^3+2x^2-x+1)}{2x^3-x^2+x-1}$$

Sequence: A331396
Score: 7.05056
Type of gen. func.: ogf

$$\frac{(4x^2-12x+1)^{1/2}+2x-1}{4x(2x-1)(4x^2-12x+1)^{1/2}}$$

Sequence: A331397
Score: 5.67828
Type of gen. func.: ogf

$$-\frac{-16x^3+60x^2+((4x^2-12x+1)(2x-1)^2)^{1/2}-40x+3}{4(4x^2-12x+1)(2x-1)}$$

Sequence: A331403
Score: 11.3566

Type of gen. func.: egf]

$$2 f(x)^2 x^3 + 3 f(x)^2 x^2 - f(x)^2 + 1$$

Sequence: A331403
Score: 19.3368
Type of gen. func.: egf]

$$\frac{1}{(-2 x + 1)^{1/2} (x + 1)}$$

Sequence: A331403
Score: 4.15967
Type of gen. func.: ogf

$$\{-2 a(n + 1) n^2 - a(n + 2) n - 9 a(n + 1) n + a(n + 3) - 2 a(n + 2)$$
$$- 10 a(n + 1), a(0) = 1, a(1) = 0, a(2) = 3\}$$

Sequence: A331408
Score: 19.7832
Type of gen. func.: ogf

$$\frac{4 x^4 (2 x + 1)}{(2 x^2 - 1)^4}$$

Sequence: A331408
Score: 24.0607
Type of gen. func.: ogf

$$\frac{4 x^4 (2 x + 1)}{(2 x^2 - 1)^4}$$

Sequence: A331408
Score: 4.04657
Type of gen. func.: ogf

$$\{-a(n+4)\,n - 2\,a(n+3)\,n + 2\,a(n+2)\,n + 4\,a(n+1)\,n + 4\,a(n+3) + 12\,a(n+2) + 16\,a(n+1),\ a(0) = 0,\ a(1) = 0,\ a(2) = 0,\ a(3) = 0,\ a(4) = 4\}$$

Sequence: A331413
Score: 11.3839
Type of gen. func.: ogf

$$\frac{x^3 + 2\,x^2 + 6\,x - 4}{x^4 + x^3 + x^2 + 2\,x - 1}$$

Sequence: A331413
Score: 12.785
Type of gen. func.: ogf

$$\frac{x^3 + 2\,x^2 + 6\,x - 4}{x^4 + x^3 + x^2 + 2\,x - 1}$$

Sequence: A331413
Score: 5.57735
Type of gen. func.: ogf

$$-(15653\,f(x) - 61425)$$

$$(f(x)\,x^4 + f(x)\,x^3 + f(x)\,x^2 - x^3 + 2\,f(x)\,x - 2\,x^2 - f(x) - 6\,x + 4)$$

Sequence: A331413
Score: 6.15574
Type of gen. func.: ogf

$$\{a(n+4) - 2\,a(n+3) - a(n+2) - a(n+1) - a(n),\ a(0) = 4,\ a(1) = 2,\ a(2) = 6,\ a(3) = 17\}$$

Sequence: A331419
Score: 19.2388

Type of gen. func.: ogf

$$-\frac{8 x^6 (2 x + 1)}{(2 x^2 - 1)^5}$$

Sequence: A331419
Score: 23.3985
Type of gen. func.: ogf

$$-\frac{8 x^6 (2 x + 1)}{(2 x^2 - 1)^5}$$

Sequence: A331420
Score: 18.8996
Type of gen. func.: ogf

$$\frac{16 x^8 (2 x + 1)}{(2 x^2 - 1)^6}$$

Sequence: A331420
Score: 22.8785
Type of gen. func.: ogf

$$\frac{16 x^8 (2 x + 1)}{(2 x^2 - 1)^6}$$

Sequence: A331429
Score: 16.7047
Type of gen. func.: ogf

$$-\frac{x^2 (x^2 - 5 x + 10)}{(x + 1) (x - 1)^5}$$

Sequence: A331429
Score: 19.1794
Type of gen. func.: ogf

$$-\frac{x^2 (x^2 - 5 x + 10)}{(x + 1) (x - 1)^5}$$

Sequence: A331429
Score: 5.78598
Type of gen. func.: ogf

{-a(n + 6) + 4 a(n + 5) - 5 a(n + 4) + 5 a(n + 2) - 4 a(n + 1) + a(n), a(0) = 0,

a(1) = 0, a(2) = 10, a(3) = 35, a(4) = 91, a(5) = 189}

Sequence: A331433
Score: 32.0853
Type of gen. func.: ogf

$$\frac{6}{(x + 1)^4}$$

Sequence: A331433
Score: 47.1842
Type of gen. func.: ogf

$$\frac{6}{(x + 1)^4}$$

Sequence: A331433
Score: 5.81255
Type of gen. func.: ogf

{a(n + 4) + 4 a(n + 3) + 6 a(n + 2) + 4 a(n + 1) + a(n), a(0) = 6, a(1) = -24,

a(2) = 60, a(3) = -120}

Sequence: A331433
Score: 6.85583
Type of gen. func.: ogf

$$(f(x) + 6) (f(x) x^4 + 4 f(x) x^3 + 6 f(x) x^2 + 4 f(x) x + f(x) - 6)$$

Sequence: A331434
Score: 28.0002
Type of gen. func.: ogf

$$\frac{30}{(x + 1)^6}$$

Sequence: A331434
Score: 40.4447
Type of gen. func.: ogf

$$\frac{30}{(x + 1)^6}$$

Sequence: A331443
Score: 8.03271
Type of gen. func.: ogf

$$\frac{x^7 (x^5 - x^4 - x^3 + 2)}{(x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A331443
Score: 8.69521
Type of gen. func.: ogf

$$\frac{x^7 (x^5 - x^4 - x^3 + 2)}{(x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A331444

Score: 7.7755
Type of gen. func.: ogf

$$\frac{x^6 (x^5 - x^4 - x^3 + x + 1)}{(x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A331444
Score: 8.39138
Type of gen. func.: ogf

$$\frac{x^6 (x^5 - x^4 - x^3 + x + 1)}{(x^2 + 1) (x^2 + x + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A331473
Score: 2.9272
Type of gen. func.: ogf

$$\{a(n + 3) n^2 - 3 a(n + 2) n^2 - 4 a(n + 1) n^2 + 8 a(n + 3) n - 22 a(n + 2) n - 30 a(n + 1) n + 15 a(n + 3) - 41 a(n + 2) - 56 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 12\}$$

Sequence: A331473
Score: 8.05766
Type of gen. func.: ogf

$$- \frac{2 I x + (4 x - 1)^{1/2} - I}{2 (4 x - 1)^{1/2} (x + 1) x^2}$$

Sequence: A331474
Score: 7.39749
Type of gen. func.: ogf

$$- \frac{x^7 - x^6 + 12 x^5 - 36 x^4 + 8 x^3 - 16 x^2 - 3 x - 1}{(x^4 + 7 x^2 + 1)^2}$$

Sequence: A331474
Score: 8.04075
Type of gen. func.: ogf

$$-\frac{x^7 - x^6 + 12 x^5 - 36 x^4 + 8 x^3 - 16 x^2 - 3 x - 1}{(x^4 + 7 x^2 + 1)^2}$$

Sequence: A331515
Score: 21.3117
Type of gen. func.: ogf

$$\frac{1}{(4 x^2 - 8 x + 1)^{(3/2)}}$$

Sequence: A331515
Score: 3.97336
Type of gen. func.: ogf

{-a(n + 3) n + 8 a(n + 2) n - 4 a(n + 1) n - 3 a(n + 3) + 28 a(n + 2)

- 16 a(n + 1), a(0) = 1, a(1) = 12, a(2) = 114}

Sequence: A331516
Score: 16.8053
Type of gen. func.: ogf

$$\frac{1}{((9 x - 1) (x - 1))^{(3/2)}}$$

Sequence: A331516
Score: 3.87089
Type of gen. func.: ogf

{-a(n + 3) n + 10 a(n + 2) n - 9 a(n + 1) n - 3 a(n + 3) + 35 a(n + 2)

- 36 a(n + 1), a(0) = 1, a(1) = 15, a(2) = 174}

Sequence: A331528
Score: 12.0835
Type of gen. func.: ogf

$$-\frac{x\,(x^4 + 14\,x^3 + 30\,x^2 + 14\,x + 1)}{(x - 1)^7}$$

Sequence: A331528
Score: 13.6947
Type of gen. func.: ogf

$$-\frac{x\,(x^4 + 14\,x^3 + 30\,x^2 + 14\,x + 1)}{(x - 1)^7}$$

Sequence: A331529
Score: 5.24401
Type of gen. func.: ogf

$$\frac{x^2\,(x - 1)\,(x^2 + x + 1)\,(x^2 - x + 1)\,(x^4 + 2\,x^3 + x^2 + 1)\,(x + 1)^2}{x^7 + 3\,x^6 + 3\,x^5 + x^4 + x^3 + x^2 - 1}$$

Sequence: A331529
Score: 5.51122
Type of gen. func.: ogf

$$\frac{x^2\,(x - 1)\,(x^2 + x + 1)\,(x^2 - x + 1)\,(x^4 + 2\,x^3 + x^2 + 1)\,(x + 1)^2}{x^7 + 3\,x^6 + 3\,x^5 + x^4 + x^3 + x^2 - 1}$$

Sequence: A331530
Score: 5.01895
Type of gen. func.: ogf

$$x^2\,(x - 1)\,(x + 1)\,(x^2 + x + 1)\,(x^2 - x + 1)\,(x^5 + 3\,x^4 + 3\,x^3 + 2\,x^2 + 1) \Bigg/$$

$$(x^7 + 3 x^6 + 3 x^5 + 2 x^4 + x^2 - 1)$$

Sequence: A331530
Score: 5.27469
Type of gen. func.: ogf

$$x^2 (x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^5 + 3 x^4 + 3 x^3 + 2 x^2 + 1) \Big/ (x^7 + 3 x^6 + 3 x^5 + 2 x^4 + x^2 - 1)$$

Sequence: A331551
Score: 13.7339
Type of gen. func.: ogf

$$\frac{1 + 3 x}{(9 x^2 + 2 x + 1)^{3/2}}$$

Sequence: A331551
Score: 2.64113
Type of gen. func.: ogf

$$\{a(n + 4) n + 5 a(n + 3) n + 15 a(n + 2) n + 27 a(n + 1) n + 4 a(n + 4) + 15 a(n + 3) + 60 a(n + 2) + 81 a(n + 1), a(0) = 1, a(1) = 0, a(2) = -15, a(3) = 32\}$$

Sequence: A331552
Score: 19.444
Type of gen. func.: ogf

$$\frac{2 x + 1}{(4 x^2 + 1)^{3/2}}$$

Sequence: A331552
Score: 3.4511
Type of gen. func.: ogf

$\{a(n + 4) n + 2 a(n + 3) n + 4 a(n + 2) n + 8 a(n + 1) n + 4 a(n + 4) + 4 a(n + 3) + 20 a(n + 2) + 24 a(n + 1), a(0) = 1, a(1) = 2, a(2) = -6, a(3) = -12\}$

Sequence: A331574
Score: 11.8649
Type of gen. func.: ogf

$$-\frac{x^{6} (x^{4} + 2 x^{3} + 4 x^{2} + 2 x + 1)}{(x + 1)^{5} (x - 1)^{7}}$$

Sequence: A331574
Score: 13.2406
Type of gen. func.: ogf

$$-\frac{x^{6} (x^{4} + 2 x^{3} + 4 x^{2} + 2 x + 1)}{(x + 1)^{5} (x - 1)^{7}}$$

Sequence: A331575
Score: 10.2016
Type of gen. func.: ogf

$$-\frac{x^{8} (x^{6} + 3 x^{5} + 9 x^{4} + 9 x^{3} + 9 x^{2} + 3 x + 1)}{(x + 1)^{7} (x - 1)^{9}}$$

Sequence: A331575
Score: 9.32408
Type of gen. func.: ogf

$$-\frac{x^{8} (x^{6} + 3 x^{5} + 9 x^{4} + 9 x^{3} + 9 x^{2} + 3 x + 1)}{(x + 1)^{7} (x - 1)^{9}}$$

Sequence: A331576

Score: 7.73311
Type of gen. func.: ogf

$$-\frac{x^{10}\,(x^{8}+4x^{7}+16x^{6}+24x^{5}+36x^{4}+24x^{3}+16x^{2}+4x+1)}{(x+1)^{9}\,(x-1)^{11}}$$

Sequence: A331576
Score: 8.30593
Type of gen. func.: ogf

$$-\frac{x^{10}\,(x^{8}+4x^{7}+16x^{6}+24x^{5}+36x^{4}+24x^{3}+16x^{2}+4x+1)}{(x+1)^{9}\,(x-1)^{11}}$$

Sequence: A331630
Score: 4.31374
Type of gen. func.: ogf

{a(n + 2) - 1000001 a(n + 1) + 1000000 a(n), a(0) = 77, a(1) = 76923077}

Sequence: A331630
Score: 6.87273
Type of gen. func.: ogf

$$-\frac{77\,(1000x-1)}{(1000000x-1)\,(x-1)}$$

Sequence: A331630
Score: 7.95081
Type of gen. func.: ogf

$$-\frac{77\,(1000x-1)}{(1000000x-1)\,(x-1)}$$

Sequence: A331658
Score: 9.89002
Type of gen. func.: egf]

$$-\frac{\exp\left(-\frac{1}{2\,(2\,x-1)}\right)}{\exp(1/2)\,(x-1)}$$

Sequence: A331688
Score: 10.9025
Type of gen. func.: egf]

$$-\frac{\exp\left(\frac{1}{x-1}\right)}{\exp(-1)\,(2\,x-1)}$$

Sequence: A331689
Score: 10.969
Type of gen. func.: egf]

$$-\frac{\exp\left(-\frac{1}{x-1}\right)}{\exp(1)\,(2\,x-1)}$$

Sequence: A331701
Score: 7.6557
Type of gen. func.: ogf

$$(1890\,x^{15} + 3151\,x^{14} + 122\,x^{8} + 37\,x^{7} + 47\,x^{6} + 18\,x^{4} + 7\,x^{3} + 2\,x^{2} + 7\,x - 8)/$$

$$(2\,x - 1)$$

Sequence: A331701
Score: 8.25615
Type of gen. func.: ogf

$$(1890\,x^{15} + 3151\,x^{14} + 122\,x^{8} + 37\,x^{7} + 47\,x^{6} + 18\,x^{4} + 7\,x^{3} + 2\,x^{2} + 7\,x - 8)/$$

$$(2\,x - 1)$$

Sequence: A331714
Score: 4.39703
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 - 2 x^2 + 2 x + 1}{(x + 1)^2 (x - 1)^5}$$

Sequence: A331714
Score: 4.93821
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 - 2 x^2 + 2 x + 1}{(x + 1)^2 (x - 1)^5}$$

Sequence: A331725
Score: 11.8068
Type of gen. func.: egf]

$$\frac{\exp(- \frac{1}{x - 1})}{\exp(1) (x + 1)}$$

Sequence: A331786
Score: 8.39412
Type of gen. func.: ogf

$$\frac{2 x (5 x^8 - 3 x^7 + x^6 + 2 x^5 + x^3 + 2 x^2 + 1)}{(x - 1) (10 x^9 - 1)}$$

Sequence: A331786
Score: 9.10852
Type of gen. func.: ogf

$$\frac{2 x (5 x^8 - 3 x^7 + x^6 + 2 x^5 + x^3 + 2 x^2 + 1)}{(x - 1) (10 x^9 - 1)}$$

Sequence: A331788
Score: 10.0011
Type of gen. func.: ogf

$$-\frac{6x^8 - 2x^7 - 4x^6 - 2x^4 - 4x^3 - 2x - 1}{(x - 1)(10x^9 - 1)}$$

Sequence: A331788
Score: 9.14992
Type of gen. func.: ogf

$$-\frac{6x^8 - 2x^7 - 4x^6 - 2x^4 - 4x^3 - 2x - 1}{(x - 1)(10x^9 - 1)}$$

Sequence: A331792
Score: 2.54697
Type of gen. func.: ogf

$$\{a(n + 3) n^2 - 8 a(n + 2) n^2 + 4 a(n + 1) n^2 + 8 a(n + 3) n - 60 a(n + 2) n + 28 a(n + 1) n + 15 a(n + 3) - 112 a(n + 2) + 48 a(n + 1), a(0) = 1, a(1) = 8, a(2) = 57\}$$

Sequence: A331792
Score: 5.69193
Type of gen. func.: ogf

$$-12 f(x)^2 x^4 + 24 f(x)^2 x^3 - 3 f(x)^2 x^2 - 4 f(x) x^2 + 8 f(x) x - f(x) + 1$$

Sequence: A331792
Score: 7.70085
Type of gen. func.: ogf

$$-\frac{4x - 1 + (4x^2 - 8x + 1)^{1/2}}{6x^2 (4x^2 - 8x + 1)^{1/2}}$$

Sequence: A331793
Score: 6.08904
Type of gen. func.: ogf

$$-36 f(x)^2 x^4 + 40 f(x)^2 x^3 - 4 f(x)^2 x^2 - 9 f(x) x^2 + 10 f(x) x - f(x) + 1$$

Sequence: A331793
Score: 6.99336
Type of gen. func.: ogf

$$-\frac{(x - 1)^{1/2} (9 x - 1)^{1/2} - 5 x + 1}{8 (x - 1)^{1/2} x^2 (9 x - 1)^{1/2}}$$

Sequence: A331800
Score: 7.03823
Type of gen. func.: ogf

$$-\frac{(x - 1) (6 x^7 + 2 x^6 + 4 x^5 + 11 x^4 + 8 x^3 + 7 x^2 + 4 x + 1)}{2 x^6 - 4 x^4 - 2 x^2 + 1}$$

Sequence: A331800
Score: 7.5501
Type of gen. func.: ogf

$$-\frac{(x - 1) (6 x^7 + 2 x^6 + 4 x^5 + 11 x^4 + 8 x^3 + 7 x^2 + 4 x + 1)}{2 x^6 - 4 x^4 - 2 x^2 + 1}$$

Sequence: A331801
Score: 10.6567
Type of gen. func.: ogf

$$-\frac{x^{10} - x^9 + x^7 - x^6 + 2 x^4 - 2 x^3 + 3 x^2 + 4 x - 8}{(x - 1)^2}$$

Sequence: A331801
Score: 9.74975
Type of gen. func.: ogf

$$-\frac{x^{10}-x^{9}+x^{7}-x^{6}+2x^{4}-2x^{3}+3x^{2}+4x-8}{(x-1)^{2}}$$

Sequence: A331809
Score: 6.55321
Type of gen. func.: ogf

$$-\frac{(x-1)(x+1)(10x^{7}-6x^{6}+12x^{5}+3x^{4}+7x^{3}+4x^{2}+2x+1)}{2x^{6}-4x^{4}-2x^{2}+1}$$

Sequence: A331809
Score: 6.97943
Type of gen. func.: ogf

$$-\frac{(x-1)(x+1)(10x^{7}-6x^{6}+12x^{5}+3x^{4}+7x^{3}+4x^{2}+2x+1)}{2x^{6}-4x^{4}-2x^{2}+1}$$

Sequence: A331811
Score: 5.54847
Type of gen. func.: ogf

$$-(x-1)(50x^{11}+24x^{10}+26x^{9}+67x^{8}+36x^{7}+29x^{6}+14x^{5}+7x^{4}+5x^{3}+4x^{2}+3x+1)\;/\;(2x^{6}-4x^{4}-2x^{2}+1)$$

Sequence: A331811
Score: 5.84439
Type of gen. func.: ogf

11 10 9 8 7 6 5 4

$$- (x - 1) (50 x + 24 x + 26 x + 67 x + 36 x + 29 x + 14 x + 7 x$$

$$+ 5 x^3 + 4 x^2 + 3 x + 1) \Big/ (2 x^6 - 4 x^4 - 2 x^2 + 1)$$

Sequence: A331817
Score: 10.3756
Type of gen. func.: egf]

$$3 f(x)^2 x^2 - 4 f(x)^2 x + f(x)^2 - 1$$

Sequence: A331817
Score: 15.9431
Type of gen. func.: egf]

$$\frac{1}{((3 x - 1) (x - 1))^{1/2}}$$

Sequence: A331817
Score: 3.73523
Type of gen. func.: ogf

$$\{3 a(n + 1) n^2 - 4 a(n + 2) n + 12 a(n + 1) n + a(n + 3) - 10 a(n + 2)$$

$$+ 12 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 9\}$$

Sequence: A331890
Score: 11.7476
Type of gen. func.: ogf

$$- \frac{x^2 + 2 x + 3}{2 x^3 - x^2 - x - 1}$$

Sequence: A331890
Score: 13.5208
Type of gen. func.: ogf

2

$$-\frac{x + 2 x + 3}{2 x^{3} - x^{2} - x - 1}$$

Sequence: A331890
Score: 6.17762
Type of gen. func.: ogf

$$(973 f(x) - 2613) (2 f(x) x^{3} - f(x) x^{2} - f(x) x + x^{2} - f(x) + 2 x + 3)$$

Sequence: A331890
Score: 6.89043
Type of gen. func.: ogf

$$\{a(n + 3) + a(n + 2) + a(n + 1) - 2 a(n), a(0) = 3, a(1) = -1, a(2) = -1\}$$

Sequence: A331943
Score: 11.5262
Type of gen. func.: ogf

$$-\frac{x^{3} + 3 x^{2} + x + 1}{(x^{2} + x + 1) (x - 1)^{3}}$$

Sequence: A331943
Score: 12.9448
Type of gen. func.: ogf

$$-\frac{x^{3} + 3 x^{2} + x + 1}{(x^{2} + x + 1) (x - 1)^{3}}$$

Sequence: A331943
Score: 5.06874
Type of gen. func.: ogf

$$\{-a(n + 5) + 2 a(n + 4) - a(n + 3) + a(n + 2) - 2 a(n + 1) + a(n), a(0) = 1,$$
$$a(1) = 3, a(2) = 8, a(3) = 15, a(4) = 23\}$$

Sequence: A331952
Score: 14.906
Type of gen. func.: ogf

$$-\frac{2 x^2 + 2 x - 1}{(x + 1) (x - 1)^3}$$

Sequence: A331952
Score: 17.3396
Type of gen. func.: ogf

$$-\frac{2 x^2 + 2 x - 1}{(x + 1) (x - 1)^3}$$

Sequence: A331952
Score: 7.3882
Type of gen. func.: ogf

$$-(f(x) - 3) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x + 2 x^2 - f(x) + 2 x - 1)$$

Sequence: A331952
Score: 7.3882
Type of gen. func.: ogf

$\{-a(n + 4) + 2 a(n + 3) - 2 a(n + 1) + a(n), a(0) = -1, a(1) = 0, a(2) = 2, a(3) = 6\}$

Sequence: A331987
Score: 22.224
Type of gen. func.: ogf

$$\frac{x (3 x + 5)}{(x - 1)^4}$$

Sequence: A331987
Score: 28.3547
Type of gen. func.: ogf

$$\frac{x (3 x + 5)}{(x - 1)^4}$$

Sequence: A331987
Score: 5.91574
Type of gen. func.: ogf

$$(10004480 f(x) + 35635581)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 3 x^2 + f(x) - 5 x)$$

Sequence: A331987
Score: 6.09102
Type of gen. func.: ogf

$$\{a(n + 4) - 4 a(n + 3) + 6 a(n + 2) - 4 a(n + 1) + a(n), a(0) = 0, a(1) = 5, a(2) = 23, a(3) = 62\}$$

Sequence: A332000
Score: 5.75104
Type of gen. func.: ogf

$$x (564 x^9 + 472 x^8 + 137 x^7 + 472 x^6 + 564 x^5 - 2632 x^4 - 1764 x^3 - 411 x^2 - 1068 x - 752) / ((x - 1) (x^{10} - 6 x^5 + 1))$$

Sequence: A332000
Score: 6.07734
Type of gen. func.: ogf

$$x (564 x^9 + 472 x^8 + 137 x^7 + 472 x^6 + 564 x^5 - 2632 x^4 - 1764 x^3 - 411 x^2 - 1068 x - 752) / ((x - 1) (x^{10} - 6 x^5 + 1))$$

Sequence: A332019
Score: 12.0248
Type of gen. func.: ogf

$$-\frac{x^5 + x^4 - 2\,x^3 - 4\,x^2 - 7\,x - 1}{(x - 1)^2}$$

Sequence: A332019
Score: 13.6018
Type of gen. func.: ogf

$$-\frac{x^5 + x^4 - 2\,x^3 - 4\,x^2 - 7\,x - 1}{(x - 1)^2}$$

Sequence: A332019
Score: 6.19186
Type of gen. func.: ogf

$\{a(n + 6) - 2\,a(n + 5) + a(n + 4),\ a(0) = 1,\ a(1) = 9,\ a(2) = 21,\ a(3) = 35,$

$a(4) = 48,\ a(5) = 60\}$

Sequence: A332044
Score: 15.4422
Type of gen. func.: ogf

$$\frac{4\,(x^2 - 2\,x - 1)}{(x + 1)\,(x - 1)^3}$$

Sequence: A332044
Score: 17.9634
Type of gen. func.: ogf

$$\frac{4\,(x^2 - 2\,x - 1)}{{}^{3}}$$

$$(x + 1) (x - 1)$$

Sequence: A332044
Score: 7.39668
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) + 2 a(n + 1) - a(n), a(0) = 4, a(1) = 16, a(2) = 28, a(3) = 48\}$$

Sequence: A332044
Score: 7.7211
Type of gen. func.: ogf

$$(41 f(x) - 624) (f(x) x^4 - 2 f(x) x^3 + 2 f(x) x - 4 x^2 - f(x) + 8 x + 4)$$

Sequence: A332052
Score: 4.90467
Type of gen. func.: ogf

$$\{-a(n + 5) + 4 a(n + 4) - 6 a(n + 3) + 8 a(n + 2) - 10 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8, a(4) = 15\}$$

Sequence: A332052
Score: 5.08859
Type of gen. func.: ogf

$$-f(x) (4 f(x) x^5 - 10 f(x) x^4 + 8 f(x) x^3 + x^4 - 6 f(x) x^2 - 4 x^3 + 4 f(x) x + 2 x^2 - f(x) - 2 x + 1)$$

Sequence: A332052
Score: 8.39355
Type of gen. func.: ogf

$$- \frac{x^4 - 4 x^3 + 2 x^2 - 2 x + 1}{(2 x - 1) (2 x^4 - 4 x^3 + 2 x^2 - 2 x + 1)}$$

Sequence: A332052
Score: 9.14803
Type of gen. func.: ogf

$$-\frac{x^4 - 4x^3 + 2x^2 - 2x + 1}{(2x - 1)(2x^4 - 4x^3 + 2x^2 - 2x + 1)}$$

Sequence: A332056
Score: 3.84469
Type of gen. func.: ogf

{a(n + 5) + a(n + 4) + a(n + 3) - a(n + 2) - a(n + 1) - a(n), a(0) = 1,

a(1) = 2, a(2) = -1, a(3) = 1, a(4) = 4}

Sequence: A332056
Score: 8.18869
Type of gen. func.: ogf

$$-\frac{(x + 1)(x^3 + 2x + 1)}{(x - 1)(x^2 + x + 1)^2}$$

Sequence: A332056
Score: 9.1381
Type of gen. func.: ogf

$$-\frac{(x + 1)(x^3 + 2x + 1)}{(x - 1)(x^2 + x + 1)^2}$$

Sequence: A332057
Score: 10.8343
Type of gen. func.: ogf

$$\frac{(x + 1)(x^3 + 2x + 1)}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A332057
Score: 5.77235
Type of gen. func.: ogf

{-a(n + 6) + 2 a(n + 3) - a(n), a(0) = 1, a(1) = 3, a(2) = 2, a(3) = 3,

a(4) = 7, a(5) = 4}

Sequence: A332057
Score: 9.64695
Type of gen. func.: ogf

$$\frac{(x + 1) (x^3 + 2 x + 1)}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A332060
Score: 10.6387
Type of gen. func.: ogf

$$\frac{x (5 x^4 + 6 x^3 + 4 x^2 + x - 1)}{x^2 + 3 x - 1}$$

Sequence: A332060
Score: 12.0339
Type of gen. func.: ogf

$$\frac{x (5 x^4 + 6 x^3 + 4 x^2 + x - 1)}{x^2 + 3 x - 1}$$

Sequence: A332060
Score: 5.6467
Type of gen. func.: ogf

{-a(n + 6) + 3 a(n + 5) + a(n + 4), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 3,

a(4) = 5, a(5) = 13}

Sequence: A332071
Score: 5.48107
Type of gen. func.: ogf

$$(x^{20} - x^{19} + x^{18} - x^{16} + x^{15} - x^{13} + x^{12} - x^{10} + x^{9} - x^{7} + 2 x^{6} - x^{5} - x^{4} + 2 x^{3} - x + 1) (x^{2} + x + 1) / (x - 1)^{2}$$

Sequence: A332071
Score: 5.74682
Type of gen. func.: ogf

$$(x^{20} - x^{19} + x^{18} - x^{16} + x^{15} - x^{13} + x^{12} - x^{10} + x^{9} - x^{7} + 2 x^{6} - x^{5} - x^{4} + 2 x^{3} - x + 1) (x^{2} + x + 1) / (x - 1)^{2}$$

Sequence: A332112
Score: 12.2978
Type of gen. func.: ogf

$$\frac{101 x - 2}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332112
Score: 14.1197
Type of gen. func.: ogf

$$\frac{101 x - 2}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332112
Score: 5.3319
Type of gen. func.: ogf

$-(72159140862171 f(x) + 13976507977420)$

3 2

```
    (1000 f(x) x  - 1110 f(x) x  + 111 f(x) x - f(x) - 101 x + 2)



-------------------------------------------------------------------------------

Sequence:  A332112
Score: 6.46154
Type of gen. func.: ogf


{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 2, a(1) = 121,

    a(2) = 11211}



-------------------------------------------------------------------------------

Sequence:  A332113
Score: 10.0324
Type of gen. func.: ogf


                                      2
                                 100 x  - 202 x + 3
                        - ------------------------------
                          (x - 1) (100 x - 1) (10 x - 1)



-------------------------------------------------------------------------------

Sequence:  A332113
Score: 11.2127
Type of gen. func.: ogf


                                      2
                                 100 x  - 202 x + 3
                        - ------------------------------
                          (x - 1) (100 x - 1) (10 x - 1)



-------------------------------------------------------------------------------

Sequence:  A332113
Score: 4.98341
Type of gen. func.: ogf


-(72168035269671 f(x) + 21973985627230)

                 3               2                      2
    (1000 f(x) x  - 1110 f(x) x  + 111 f(x) x + 100 x  - f(x) - 202 x + 3)



-------------------------------------------------------------------------------

Sequence:  A332113
Score: 6.46154
Type of gen. func.: ogf


{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 3, a(1) = 131,

    a(2) = 11311}
```

Sequence: A332114
Score: 10.0324
Type of gen. func.: ogf

$$-\frac{200 x^2 - 303 x + 4}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332114
Score: 11.2127
Type of gen. func.: ogf

$$-\frac{200 x^2 - 303 x + 4}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332114
Score: 4.91911
Type of gen. func.: ogf

$$-(649527141439539 f(x) + 269869374913360) (1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 200 x^2 - f(x) - 303 x + 4)$$

Sequence: A332114
Score: 6.46154
Type of gen. func.: ogf

$$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 4, a(1) = 141, a(2) = 11411\}$$

Sequence: A332115
Score: 10.0324
Type of gen. func.: ogf

$$-\frac{300 x^2 - 404 x + 5}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332115
Score: 11.2127
Type of gen. func.: ogf

$$-\frac{300 x^2 - 404 x + 5}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332115
Score: 4.98341
Type of gen. func.: ogf

$$-(36085129435773 f(x) + 19000337647175)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 300 x^2 - f(x) - 404 x + 5)$$

Sequence: A332115
Score: 6.46154
Type of gen. func.: ogf

{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 5, a(1) = 151,

a(2) = 11511}

Sequence: A332116
Score: 10.0324
Type of gen. func.: ogf

$$-\frac{400 x^2 - 505 x + 6}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332116
Score: 11.2127
Type of gen. func.: ogf

$$-\frac{400 x^2 - 505 x + 6}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332116

```
Score: 4.98341
Type of gen. func.: ogf


-(72170525703771 f(x) + 46017369256660)

                3               2                      2
    (1000 f(x) x  - 1110 f(x) x  + 111 f(x) x + 400 x  - f(x) - 505 x + 6)



-------------------------------------------------------------------------------

Sequence:  A332116
Score: 6.46154
Type of gen. func.: ogf


{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 6, a(1) = 161,

    a(2) = 11611}



-------------------------------------------------------------------------------

Sequence:  A332117
Score: 10.0324
Type of gen. func.: ogf


                                          2
                                   500 x  - 606 x + 7
                           - ------------------------------
                             (x - 1) (100 x - 1) (10 x - 1)



-------------------------------------------------------------------------------

Sequence:  A332117
Score: 11.2127
Type of gen. func.: ogf


                                          2
                                   500 x  - 606 x + 7
                           - ------------------------------
                             (x - 1) (100 x - 1) (10 x - 1)



-------------------------------------------------------------------------------

Sequence:  A332117
Score: 4.91911
Type of gen. func.: ogf


-(649536035847039 f(x) + 486313413638230)

                3               2                      2
    (1000 f(x) x  - 1110 f(x) x  + 111 f(x) x + 500 x  - f(x) - 606 x + 7)



-------------------------------------------------------------------------------

Sequence:  A332117
Score: 6.46154
Type of gen. func.: ogf
```

$$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 7, a(1) = 171, a(2) = 11711\}$$

Sequence: A332118
Score: 10.0324
Type of gen. func.: ogf

$$-\frac{600 x^2 - 707 x + 8}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332118
Score: 11.2127
Type of gen. func.: ogf

$$-\frac{600 x^2 - 707 x + 8}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332118
Score: 4.85645
Type of gen. func.: ogf

$$-(3536367144326379 f(x) + 3040583073637720) (1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 600 x^2 - f(x) - 707 x + 8)$$

Sequence: A332118
Score: 6.46154
Type of gen. func.: ogf

$$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 8, a(1) = 181, a(2) = 11811\}$$

Sequence: A332119
Score: 10.0324
Type of gen. func.: ogf

2

$$-\frac{700 x - 808 x + 9}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332119
Score: 11.2127
Type of gen. func.: ogf

$$-\frac{700 x^2 - 808 x + 9}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332119
Score: 5.18682
Type of gen. func.: ogf

$$(9312363196389 f(x) + 9041404210060)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 700 x^2 - f(x) - 808 x + 9)$$

Sequence: A332119
Score: 6.46154
Type of gen. func.: ogf

$$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 9, a(1) = 191, a(2) = 11911\}$$

Sequence: A332120
Score: 10.5512
Type of gen. func.: ogf

$$\frac{2 x (200 x - 101)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332120
Score: 11.8701
Type of gen. func.: ogf

$$\frac{2 x (200 x - 101)}{(x - 1) (100 x - 1) (10 x - 1)}$$

```
-------------------------------------------------------------------------------

Sequence:  A332120
Score: 5.27562
Type of gen. func.: ogf


(72159140862171 f(x) - 4312731084400)

                3               2                      2
    (1000 f(x) x  - 1110 f(x) x  + 111 f(x) x - 400 x  - f(x) + 202 x)



-------------------------------------------------------------------------------

Sequence:  A332120
Score: 6.49307
Type of gen. func.: ogf


{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 0, a(1) = 202,

    a(2) = 22022}



-------------------------------------------------------------------------------

Sequence:  A332121
Score: 10.5897
Type of gen. func.: ogf


                                      2
                                 300 x  - 101 x - 1
                           ------------------------------
                           (x - 1) (100 x - 1) (10 x - 1)



-------------------------------------------------------------------------------

Sequence:  A332121
Score: 11.9135
Type of gen. func.: ogf


                                      2
                                 300 x  - 101 x - 1
                           ------------------------------
                           (x - 1) (100 x - 1) (10 x - 1)



-------------------------------------------------------------------------------

Sequence:  A332121
Score: 5.0162
Type of gen. func.: ogf


-(72123563232171 f(x) + 3593825955410)

                3               2                      2
    (1000 f(x) x  - 1110 f(x) x  + 111 f(x) x - 300 x  - f(x) + 101 x + 1)
```

Sequence: A332121
Score: 6.46154
Type of gen. func.: ogf

$$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 1, a(1) = 212, a(2) = 22122\}$$

Sequence: A332123
Score: 10.5897
Type of gen. func.: ogf

$$\frac{100 x^2 + 101 x - 3}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332123
Score: 11.9135
Type of gen. func.: ogf

$$\frac{100 x^2 + 101 x - 3}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332123
Score: 4.98341
Type of gen. func.: ogf

$$-(72123563232171 f(x) + 20011320515030) (1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 100 x^2 - f(x) - 101 x + 3)$$

Sequence: A332123
Score: 6.46154
Type of gen. func.: ogf

$$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 3, a(1) = 232, a(2) = 22322\}$$

Sequence: A332124

Score: 11.5525
Type of gen. func.: ogf

$$\frac{2\,(101\,x-2)}{(x-1)\,(100\,x-1)\,(10\,x-1)}$$

Sequence: A332124
Score: 13.1459
Type of gen. func.: ogf

$$\frac{2\,(101\,x-2)}{(x-1)\,(100\,x-1)\,(10\,x-1)}$$

Sequence: A332124
Score: 5.3319
Type of gen. func.: ogf

$$-(72159140862171\,f(x)+27953015954840)$$

$$(1000\,f(x)\,x^{3}-1110\,f(x)\,x^{2}+111\,f(x)\,x-f(x)-202\,x+4)$$

Sequence: A332124
Score: 6.46154
Type of gen. func.: ogf

$\{a(n+3)-111\,a(n+2)+1110\,a(n+1)-1000\,a(n),\ a(0)=4,\ a(1)=242,$

$a(2)=22422\}$

Sequence: A332125
Score: 10.0324
Type of gen. func.: ogf

$$-\frac{100\,x^{2}-303\,x+5}{(x-1)\,(100\,x-1)\,(10\,x-1)}$$

Sequence: A332125
Score: 11.2127
Type of gen. func.: ogf

$$-\frac{100 x^2 - 303 x + 5}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332125
Score: 4.91911
Type of gen. func.: ogf

$$-(649491563809539 f(x) + 323492803831850)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 100 x^2 - f(x) - 303 x + 5)$$

Sequence: A332125
Score: 6.46154
Type of gen. func.: ogf

$$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 5, a(1) = 252,$$

$$a(2) = 22522\}$$

Sequence: A332126
Score: 10.0324
Type of gen. func.: ogf

$$-\frac{2 (100 x^2 - 202 x + 3)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332126
Score: 11.2127
Type of gen. func.: ogf

$$-\frac{2 (100 x^2 - 202 x + 3)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332126
Score: 4.98341
Type of gen. func.: ogf

$$-(72168035269671 f(x) + 43947971254460)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 200 x^2 - f(x) - 404 x + 6)$$

Sequence: A332126
Score: 6.46154
Type of gen. func.: ogf

$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 6, a(1) = 262,$

$a(2) = 22622\}$

Sequence: A332127
Score: 10.0324
Type of gen. func.: ogf

$$- \frac{300 x^2 - 505 x + 7}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332127
Score: 11.2127
Type of gen. func.: ogf

$$- \frac{300 x^2 - 505 x + 7}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332127
Score: 4.98341
Type of gen. func.: ogf

$$-(72169102598571 f(x) + 51958010882270)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 300 x^2 - f(x) - 505 x + 7)$$

Sequence: A332127
Score: 6.46154
Type of gen. func.: ogf

$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 7, a(1) = 272,$

$a(2) = 22722\}$

Sequence: A332128
Score: 10.0324
Type of gen. func.: ogf

$$-\frac{2\,(200\,x^2 - 303\,x + 4)}{(x - 1)\,(100\,x - 1)\,(10\,x - 1)}$$

Sequence: A332128
Score: 11.2127
Type of gen. func.: ogf

$$-\frac{2\,(200\,x^2 - 303\,x + 4)}{(x - 1)\,(100\,x - 1)\,(10\,x - 1)}$$

Sequence: A332128
Score: 4.91911
Type of gen. func.: ogf

$$-(649527141439539\,f(x) + 539738749826720)$$

$$(1000\,f(x)\,x^3 - 1110\,f(x)\,x^2 + 111\,f(x)\,x + 400\,x^2 - f(x) - 606\,x + 8)$$

Sequence: A332128
Score: 6.46154
Type of gen. func.: ogf

$\{a(n + 3) - 111\,a(n + 2) + 1110\,a(n + 1) - 1000\,a(n),\ a(0) = 8,\ a(1) = 282,$

$a(2) = 22822\}$

Sequence: A332129
Score: 10.0324
Type of gen. func.: ogf

$$-\frac{500\,x^2 - 707\,x + 9}{(x - 1)\,(100\,x - 1)\,(10\,x - 1)}$$

Sequence: A332129
Score: 11.2127
Type of gen. func.: ogf

$$- \frac{500 x^2 - 707 x + 9}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332129
Score: 4.98341
Type of gen. func.: ogf

$-(48442898173923 f(x) + 45634187963570)$

$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 500 x^2 - f(x) - 707 x + 9)$

Sequence: A332129
Score: 6.46154
Type of gen. func.: ogf

$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 9, a(1) = 292,$
$a(2) = 22922\}$

Sequence: A332130
Score: 10.5512
Type of gen. func.: ogf

$$\frac{3 x (200 x - 101)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332130
Score: 11.8701
Type of gen. func.: ogf

$$\frac{3 x (200 x - 101)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332130
Score: 5.27562

Type of gen. func.: ogf

$$(24053046954057 f(x) - 2156365542200) (1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 600 x^2 - f(x) + 303 x)$$

Sequence: A332130
Score: 6.49307
Type of gen. func.: ogf

$$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 0, a(1) = 303, a(2) = 33033\}$$

Sequence: A332131
Score: 10.5897
Type of gen. func.: ogf

$$\frac{500 x^2 - 202 x - 1}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332131
Score: 11.9135
Type of gen. func.: ogf

$$\frac{500 x^2 - 202 x - 1}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332131
Score: 5.11719
Type of gen. func.: ogf

$$-(2672011735173 f(x) + 54361751230) (1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 500 x^2 - f(x) + 202 x + 1)$$

Sequence: A332131
Score: 6.46154
Type of gen. func.: ogf

{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 1, a(1) = 313,

a(2) = 33133}

Sequence: A332132
Score: 10.5897
Type of gen. func.: ogf

$$\frac{400 x^2 - 101 x - 2}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332132
Score: 11.9135
Type of gen. func.: ogf

$$\frac{400 x^2 - 101 x - 2}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332132
Score: 5.08308
Type of gen. func.: ogf

-(2669046932673 f(x) + 341259458260)

$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 400 x^2 - f(x) + 101 x + 2)$

Sequence: A332132
Score: 6.46154
Type of gen. func.: ogf

{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 2, a(1) = 323,

a(2) = 33233}

Sequence: A332134
Score: 10.5897
Type of gen. func.: ogf

$$200 x^2 + 101 x - 4$$

$$\overline{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332134
Score: 11.9135
Type of gen. func.: ogf

$$\frac{200 x^2 + 101 x - 4}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332134
Score: 5.08308
Type of gen. func.: ogf

$$-(2669046932673 f(x) + 966884012320)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 200 x^2 - f(x) - 101 x + 4)$$

Sequence: A332134
Score: 6.46154
Type of gen. func.: ogf

{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 4, a(1) = 343,

a(2) = 33433}

Sequence: A332135
Score: 10.5897
Type of gen. func.: ogf

$$\frac{100 x^2 + 202 x - 5}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332135
Score: 11.9135
Type of gen. func.: ogf

$$\frac{100 x^2 + 202 x - 5}{(x - 1) (100 x - 1) (10 x - 1)}$$

```
--------------------------------------------------------------------------------

Sequence:  A332135
Score: 5.04942
Type of gen. func.: ogf


-(2672011735173 f(x) + 1258174019350)

                 3               2                            2
    (1000 f(x) x  - 1110 f(x) x  + 111 f(x) x - 100 x  - f(x) - 202 x + 5)



--------------------------------------------------------------------------------

Sequence:  A332135
Score: 6.46154
Type of gen. func.: ogf


{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 5, a(1) = 353,

    a(2) = 33533}



--------------------------------------------------------------------------------

Sequence:  A332136
Score: 11.5525
Type of gen. func.: ogf


                                3 (101 x - 2)
                        ------------------------------
                        (x - 1) (100 x - 1) (10 x - 1)



--------------------------------------------------------------------------------

Sequence:  A332136
Score: 13.1459
Type of gen. func.: ogf


                                3 (101 x - 2)
                        ------------------------------
                        (x - 1) (100 x - 1) (10 x - 1)



--------------------------------------------------------------------------------

Sequence:  A332136
Score: 5.3319
Type of gen. func.: ogf


-(24053046954057 f(x) + 13976507977420)

                 3               2
    (1000 f(x) x  - 1110 f(x) x  + 111 f(x) x - f(x) - 303 x + 6)



--------------------------------------------------------------------------------
```

Sequence: A332136
Score: 6.46154
Type of gen. func.: ogf

$$\{a(n+3) - 111\, a(n+2) + 1110\, a(n+1) - 1000\, a(n),\ a(0) = 6,\ a(1) = 363,\ a(2) = 33633\}$$

Sequence: A332137
Score: 10.0324
Type of gen. func.: ogf

$$-\frac{100 x^2 - 404 x + 7}{(x - 1)(100 x - 1)(10 x - 1)}$$

Sequence: A332137
Score: 11.2127
Type of gen. func.: ogf

$$-\frac{100 x^2 - 404 x + 7}{(x - 1)(100 x - 1)(10 x - 1)}$$

Sequence: A332137
Score: 5.08308
Type of gen. func.: ogf

$$-(1336376467899 f(x) + 924384990455)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 100 x^2 - f(x) - 404 x + 7)$$

Sequence: A332137
Score: 6.46154
Type of gen. func.: ogf

$$\{a(n+3) - 111\, a(n+2) + 1110\, a(n+1) - 1000\, a(n),\ a(0) = 7,\ a(1) = 373,\ a(2) = 33733\}$$

Sequence: A332138
Score: 10.0324

Type of gen. func.: ogf

$$-\frac{200 x^2 - 505 x + 8}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332138
Score: 11.2127
Type of gen. func.: ogf

$$-\frac{200 x^2 - 505 x + 8}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332138
Score: 5.04942
Type of gen. func.: ogf

$$-(2672841879873 f(x) + 2145045248440)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 200 x^2 - f(x) - 505 x + 8)$$

Sequence: A332138
Score: 6.46154
Type of gen. func.: ogf

$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 8, a(1) = 383,$

$a(2) = 33833\}$

Sequence: A332139
Score: 10.0324
Type of gen. func.: ogf

$$-\frac{3 (100 x^2 - 202 x + 3)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332139
Score: 11.2127
Type of gen. func.: ogf

$$-\frac{3\,(100\,x^{2} - 202\,x + 3)}{(x - 1)\,(100\,x - 1)\,(10\,x - 1)}$$

Sequence: A332139
Score: 4.98341
Type of gen. func.: ogf

$$-(24056011756557\,f(x) + 21973985627230)$$

$$(1000\,f(x)\,x^{3} - 1110\,f(x)\,x^{2} + 111\,f(x)\,x + 300\,x^{2} - f(x) - 606\,x + 9)$$

Sequence: A332139
Score: 6.46154
Type of gen. func.: ogf

$$\{a(n + 3) - 111\,a(n + 2) + 1110\,a(n + 1) - 1000\,a(n),\ a(0) = 9,\ a(1) = 393,\ a(2) = 33933\}$$

Sequence: A332140
Score: 10.5512
Type of gen. func.: ogf

$$\frac{4\,x\,(200\,x - 101)}{(x - 1)\,(100\,x - 1)\,(10\,x - 1)}$$

Sequence: A332140
Score: 11.8701
Type of gen. func.: ogf

$$\frac{4\,x\,(200\,x - 101)}{(x - 1)\,(100\,x - 1)\,(10\,x - 1)}$$

Sequence: A332140
Score: 5.27562
Type of gen. func.: ogf

$$(72159140862171\,f(x) - 8625462168800)$$

```
                3              2                      2
```

$(1000 f(x) x - 1110 f(x) x + 111 f(x) x - 800 x - f(x) + 404 x)$

Sequence: A332140
Score: 6.49307
Type of gen. func.: ogf

$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 0, a(1) = 404, a(2) = 44044\}$

Sequence: A332141
Score: 10.5897
Type of gen. func.: ogf

$$\frac{700 x^2 - 303 x - 1}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332141
Score: 11.9135
Type of gen. func.: ogf

$$\frac{700 x^2 - 303 x - 1}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332141
Score: 4.98341
Type of gen. func.: ogf

$-(649349253289539 f(x) - 6109391920910)$

$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 700 x^2 - f(x) + 303 x + 1)$

Sequence: A332141
Score: 6.46154
Type of gen. func.: ogf

$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 1, a(1) = 414, a(2) = 44144\}$

Sequence: A332142
Score: 10.0324
Type of gen. func.: ogf

$$\frac{2\,(300\,x^2 - 101\,x - 1)}{(x - 1)\,(100\,x - 1)\,(10\,x - 1)}$$

Sequence: A332142
Score: 11.2127
Type of gen. func.: ogf

$$\frac{2\,(300\,x^2 - 101\,x - 1)}{(x - 1)\,(100\,x - 1)\,(10\,x - 1)}$$

Sequence: A332142
Score: 5.0162
Type of gen. func.: ogf

$$-(72123563232171\,f(x) + 7187651910820)$$

$$(1000\,f(x)\,x^3 - 1110\,f(x)\,x^2 + 111\,f(x)\,x - 600\,x^2 - f(x) + 202\,x + 2)$$

Sequence: A332142
Score: 6.46154
Type of gen. func.: ogf

$$\{-a(n + 3) + 111\,a(n + 2) - 1110\,a(n + 1) + 1000\,a(n),\ a(0) = 2,\ a(1) = 424,$$

$$a(2) = 44244\}$$

Sequence: A332143
Score: 10.5897
Type of gen. func.: ogf

$$\frac{500\,x^2 - 101\,x - 3}{(x - 1)\,(100\,x - 1)\,(10\,x - 1)}$$

Sequence: A332143
Score: 11.9135
Type of gen. func.: ogf

$$\frac{500 x^2 - 101 x - 3}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332143
Score: 4.98341
Type of gen. func.: ogf

$$-(71981252712171 f(x) + 14686603510630)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 500 x^2 - f(x) + 101 x + 3)$$

Sequence: A332143
Score: 6.46154
Type of gen. func.: ogf

$$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 3, a(1) = 434,$$

$$a(2) = 44344\}$$

Sequence: A332145
Score: 10.5897
Type of gen. func.: ogf

$$\frac{300 x^2 + 101 x - 5}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332145
Score: 11.9135
Type of gen. func.: ogf

$$\frac{300 x^2 + 101 x - 5}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332145

Score: 5.04942
Type of gen. func.: ogf

$$-(2321975893941 f(x) + 1040083297750) (1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 300 x^2 - f(x) - 101 x + 5)$$

Sequence: A332145
Score: 6.46154
Type of gen. func.: ogf

$$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 5, a(1) = 454, a(2) = 44544\}$$

Sequence: A332146
Score: 10.0324
Type of gen. func.: ogf

$$\frac{2 (100 x^2 + 101 x - 3)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332146
Score: 11.2127
Type of gen. func.: ogf

$$\frac{2 (100 x^2 + 101 x - 3)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332146
Score: 4.98341
Type of gen. func.: ogf

$$-(72123563232171 f(x) + 40022641030060) (1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 200 x^2 - f(x) - 202 x + 6)$$

Sequence: A332146
Score: 6.46154
Type of gen. func.: ogf

$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 6, a(1) = 464,$

$a(2) = 44644\}$

Sequence: A332147
Score: 10.5897
Type of gen. func.: ogf

$$\frac{100 x^2 + 303 x - 7}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332147
Score: 11.9135
Type of gen. func.: ogf

$$\frac{100 x^2 + 303 x - 7}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332147
Score: 4.91911
Type of gen. func.: ogf

$-(649349253289539 f(x) + 431470540388830)$

$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 100 x^2 - f(x) - 303 x + 7)$

Sequence: A332147
Score: 6.46154
Type of gen. func.: ogf

$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 7, a(1) = 474,$

$a(2) = 44744\}$

Sequence: A332148
Score: 11.5525
Type of gen. func.: ogf

$$4 (101 x - 2)$$

```
                              -----------------------------
                              (x - 1) (100 x - 1) (10 x - 1)
```

Sequence: A332148
Score: 13.1459
Type of gen. func.: ogf

$$\frac{4 (101 x - 2)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332148
Score: 5.3319
Type of gen. func.: ogf

$$-(72159140862171 f(x) + 55906031909680) (1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - f(x) - 404 x + 8)$$

Sequence: A332148
Score: 6.46154
Type of gen. func.: ogf

$$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 8, a(1) = 484, a(2) = 44844\}$$

Sequence: A332149
Score: 10.0324
Type of gen. func.: ogf

$$-\frac{100 x^2 - 505 x + 9}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332149
Score: 11.2127
Type of gen. func.: ogf

$$-\frac{100 x^2 - 505 x + 9}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332149
Score: 4.98341
Type of gen. func.: ogf

$$-(72163410177771 f(x) + 63891298965490)$$
$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 100 x^2 - f(x) - 505 x + 9)$$

Sequence: A332149
Score: 6.46154
Type of gen. func.: ogf

$$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 9, a(1) = 494,$$
$$a(2) = 44944\}$$

Sequence: A332150
Score: 10.5512
Type of gen. func.: ogf

$$\frac{5 x (200 x - 101)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332150
Score: 11.8701
Type of gen. func.: ogf

$$\frac{5 x (200 x - 101)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332150
Score: 5.20335
Type of gen. func.: ogf

$$(72159140862171 f(x) - 10781827711000)$$
$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 1000 x^2 - f(x) + 505 x)$$

Sequence: A332150
Score: 6.49307
Type of gen. func.: ogf

$$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 0, a(1) = 505, a(2) = 55055\}$$

Sequence: A332151
Score: 10.5897
Type of gen. func.: ogf

$$\frac{900 x^2 - 404 x - 1}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332151
Score: 11.9135
Type of gen. func.: ogf

$$\frac{900 x^2 - 404 x - 1}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332151
Score: 5.0162
Type of gen. func.: ogf

$$-(36076235028273 f(x) - 1415179701845) (1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 900 x^2 - f(x) + 404 x + 1)$$

Sequence: A332151
Score: 6.46154
Type of gen. func.: ogf

$$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 1, a(1) = 515, a(2) = 55155\}$$

Sequence: A332152
Score: 10.5897
Type of gen. func.: ogf

$$\frac{800 x^2 - 303 x - 2}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332152
Score: 11.9135
Type of gen. func.: ogf

$$\frac{800 x^2 - 303 x - 2}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332152
Score: 4.95105
Type of gen. func.: ogf

$$-(649242520399539 f(x) + 45648187957580)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 800 x^2 - f(x) + 303 x + 2)$$

Sequence: A332152
Score: 6.46154
Type of gen. func.: ogf

$$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 2, a(1) = 525,$$

$$a(2) = 55255\}$$

Sequence: A332153
Score: 10.5897
Type of gen. func.: ogf

$$\frac{700 x^2 - 202 x - 3}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332153
Score: 11.9135
Type of gen. func.: ogf

$$\frac{700 x^2 - 202 x - 3}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332153
Score: 4.98341
Type of gen. func.: ogf

$$-(72096880009671 f(x) + 12842530498430)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 700 x^2 - f(x) + 202 x + 3)$$

Sequence: A332153
Score: 6.46154
Type of gen. func.: ogf

{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 3, a(1) = 535,

a(2) = 55355}

Sequence: A332154
Score: 10.5897
Type of gen. func.: ogf

$$\frac{600 x^2 - 101 x - 4}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332154
Score: 11.9135
Type of gen. func.: ogf

$$\frac{600 x^2 - 101 x - 4}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332154
Score: 4.98341
Type of gen. func.: ogf

$$-(71874519822171 f(x) + 19994051168240)$$

$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 600 x^2 - f(x) + 101 x + 4)$

Sequence: A332154
Score: 6.46154
Type of gen. func.: ogf

$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 4, a(1) = 545, a(2) = 55455\}$

Sequence: A332156
Score: 10.5897
Type of gen. func.: ogf

$$\frac{400 x^2 + 101 x - 6}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332156
Score: 11.9135
Type of gen. func.: ogf

$$\frac{400 x^2 + 101 x - 6}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332156
Score: 5.11719
Type of gen. func.: ogf

$(71874519822171 f(x) + 38403893007860)$

$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 400 x^2 - f(x) - 101 x + 6)$

Sequence: A332156
Score: 6.46154
Type of gen. func.: ogf

$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 6, a(1) = 565, a(2) = 55655\}$

Sequence: A332157
Score: 10.5897
Type of gen. func.: ogf

$$\frac{300 x^2 + 202 x - 7}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332157
Score: 11.9135
Type of gen. func.: ogf

$$\frac{300 x^2 + 202 x - 7}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332157
Score: 4.98341
Type of gen. func.: ogf

-(72096880009671 f(x) + 46104451177670)

$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 300 x^2 - f(x) - 202 x + 7)$

Sequence: A332157
Score: 6.46154
Type of gen. func.: ogf

{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 7, a(1) = 575,

a(2) = 55755}

Sequence: A332158
Score: 10.5897
Type of gen. func.: ogf

$$\frac{200 x^2 + 303 x - 8}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332158
Score: 11.9135
Type of gen. func.: ogf

$$\frac{200 x^2 + 303 x - 8}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332158
Score: 4.91911
Type of gen. func.: ogf

$$-(649242520399539 f(x) + 485789709627320)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 200 x^2 - f(x) - 303 x + 8)$$

Sequence: A332158
Score: 6.46154
Type of gen. func.: ogf

$$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 8, a(1) = 585, a(2) = 55855\}$$

Sequence: A332159
Score: 10.5897
Type of gen. func.: ogf

$$\frac{100 x^2 + 404 x - 9}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332159
Score: 11.9135
Type of gen. func.: ogf

$$\frac{100 x^2 + 404 x - 9}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332159
Score: 4.98341
Type of gen. func.: ogf

$$-(36076235028273 f(x) + 30957300227395)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 100 x^2 - f(x) - 404 x + 9)$$

Sequence: A332159
Score: 6.46154
Type of gen. func.: ogf

$$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 9, a(1) = 595,$$

$$a(2) = 55955\}$$

Sequence: A332160
Score: 10.5512
Type of gen. func.: ogf

$$\frac{6 x (200 x - 101)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332160
Score: 11.8701
Type of gen. func.: ogf

$$\frac{6 x (200 x - 101)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332160
Score: 5.23924
Type of gen. func.: ogf

$$(24053046954057 f(x) - 4312731084400)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 1200 x^2 - f(x) + 606 x)$$

Sequence: A332160
Score: 6.49307
Type of gen. func.: ogf

$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 0, a(1) = 606, a(2) = 66066\}$

Sequence: A332161
Score: 10.4447
Type of gen. func.: ogf

$$\frac{1100 x^2 - 505 x - 1}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332161
Score: 11.7302
Type of gen. func.: ogf

$$\frac{1100 x^2 - 505 x - 1}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332161
Score: 5.04942
Type of gen. func.: ogf

$$-(2672367511473 f(x) - 184586962570) (1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 1100 x^2 - f(x) + 505 x + 1)$$

Sequence: A332161
Score: 6.46154
Type of gen. func.: ogf

$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 1, a(1) = 616, a(2) = 66166\}$

Sequence: A332162
Score: 10.0324
Type of gen. func.: ogf

$$2 (500 x^2 - 202 x - 1)$$

$$\frac{}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332162
Score: 11.2127
Type of gen. func.: ogf

$$\frac{2 (500 x^{2} - 202 x - 1)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332162
Score: 5.04942
Type of gen. func.: ogf

$-(2672011735173 f(x) + 108723502460)$

$(1000 f(x) x^{3} - 1110 f(x) x^{2} + 111 f(x) x - 1000 x^{2} - f(x) + 404 x + 2)$

Sequence: A332162
Score: 6.46154
Type of gen. func.: ogf

$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 2, a(1) = 626,$

$a(2) = 66266\}$

Sequence: A332163
Score: 10.0324
Type of gen. func.: ogf

$$\frac{3 (300 x^{2} - 101 x - 1)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332163
Score: 11.2127
Type of gen. func.: ogf

$$\frac{3 (300 x^{2} - 101 x - 1)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332163
Score: 5.0162
Type of gen. func.: ogf

$$-(24041187744057 f(x) + 3593825955410) (1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 900 x^2 - f(x) + 303 x + 3)$$

Sequence: A332163
Score: 6.46154
Type of gen. func.: ogf

$$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 3, a(1) = 636, a(2) = 66366\}$$

Sequence: A332164
Score: 10.0324
Type of gen. func.: ogf

$$\frac{2 (400 x^2 - 101 x - 2)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332164
Score: 11.2127
Type of gen. func.: ogf

$$\frac{2 (400 x^2 - 101 x - 2)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332164
Score: 5.08308
Type of gen. func.: ogf

$$-(2669046932673 f(x) + 682518916520) (1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 800 x^2 - f(x) + 202 x + 4)$$

Sequence: A332164
Score: 6.46154
Type of gen. func.: ogf

$$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 4, a(1) = 646, a(2) = 66466\}$$

Sequence: A332165
Score: 10.5897
Type of gen. func.: ogf

$$\frac{700 x^2 - 101 x - 5}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332165
Score: 11.9135
Type of gen. func.: ogf

$$\frac{700 x^2 - 101 x - 5}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332165
Score: 5.08308
Type of gen. func.: ogf

$$-(2657187722673 f(x) + 930325153550) (1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 700 x^2 - f(x) + 101 x + 5)$$

Sequence: A332165
Score: 6.46154
Type of gen. func.: ogf

$$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 5, a(1) = 656, a(2) = 66566\}$$

Sequence: A332167
Score: 10.5897
Type of gen. func.: ogf

$$\frac{500 x^2 + 101 x - 7}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332167
Score: 11.9135
Type of gen. func.: ogf

$$\frac{500 x^2 + 101 x - 7}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332167
Score: 5.18682
Type of gen. func.: ogf

$$(2657187722673 f(x) + 1650823387610)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 500 x^2 - f(x) - 101 x + 7)$$

Sequence: A332167
Score: 6.46154
Type of gen. func.: ogf

$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 7, a(1) = 676,$

$a(2) = 66766\}$

Sequence: A332168
Score: 10.0324
Type of gen. func.: ogf

$$\frac{2 (200 x^2 + 101 x - 4)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332168
Score: 11.2127

Type of gen. func.: ogf

$$\frac{2\,(200\,x^2 + 101\,x - 4)}{(x - 1)\,(100\,x - 1)\,(10\,x - 1)}$$

Sequence: A332168
Score: 5.04942
Type of gen. func.: ogf

$$-(2669046932673\,f(x) + 1933768024640)$$

$$(1000\,f(x)\,x^3 - 1110\,f(x)\,x^2 + 111\,f(x)\,x - 400\,x^2 - f(x) - 202\,x + 8)$$

Sequence: A332168
Score: 6.46154
Type of gen. func.: ogf

$$\{a(n + 3) - 111\,a(n + 2) + 1110\,a(n + 1) - 1000\,a(n),\ a(0) = 8,\ a(1) = 686,$$
$$a(2) = 66866\}$$

Sequence: A332169
Score: 10.0324
Type of gen. func.: ogf

$$\frac{3\,(100\,x^2 + 101\,x - 3)}{(x - 1)\,(100\,x - 1)\,(10\,x - 1)}$$

Sequence: A332169
Score: 11.2127
Type of gen. func.: ogf

$$\frac{3\,(100\,x^2 + 101\,x - 3)}{(x - 1)\,(100\,x - 1)\,(10\,x - 1)}$$

Sequence: A332169
Score: 4.98341
Type of gen. func.: ogf

```
-(24041187744057 f(x) + 20011320515030)

                3              2                      2
    (1000 f(x) x  - 1110 f(x) x  + 111 f(x) x - 300 x  - f(x) - 303 x + 9)
```

Sequence: A332169
Score: 6.46154
Type of gen. func.: ogf

```
{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 9, a(1) = 696,

    a(2) = 66966}
```

Sequence: A332170
Score: 10.5512
Type of gen. func.: ogf

```
      7 x (200 x - 101)
------------------------------
(x - 1) (100 x - 1) (10 x - 1)
```

Sequence: A332170
Score: 11.8701
Type of gen. func.: ogf

```
      7 x (200 x - 101)
------------------------------
(x - 1) (100 x - 1) (10 x - 1)
```

Sequence: A332170
Score: 5.20335
Type of gen. func.: ogf

```
(72159140862171 f(x) - 15094558795400)

                3              2                       2
    (1000 f(x) x  - 1110 f(x) x  + 111 f(x) x - 1400 x  - f(x) + 707 x)
```

Sequence: A332170
Score: 6.49307
Type of gen. func.: ogf

```
{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 0, a(1) = 707,

    a(2) = 77077}
```

Sequence: A332171
Score: 10.4447
Type of gen. func.: ogf

$$\frac{1300 x^2 - 606 x - 1}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332171
Score: 11.7302
Type of gen. func.: ogf

$$\frac{1300 x^2 - 606 x - 1}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332171
Score: 4.98341
Type of gen. func.: ogf

$$-(20948184687969 f(x) - 2072410750010)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 1300 x^2 - f(x) + 606 x + 1)$$

Sequence: A332171
Score: 6.46154
Type of gen. func.: ogf

$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 1, a(1) = 717,$

$a(2) = 77177\}$

Sequence: A332172
Score: 10.4447
Type of gen. func.: ogf

$$\frac{1200 x^2 - 505 x - 2}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332172
Score: 11.7302
Type of gen. func.: ogf

$$\frac{1200 x^2 - 505 x - 2}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332172
Score: 5.0162
Type of gen. func.: ogf

$$-(72147756020571 f(x) + 790940388220)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 1200 x^2 - f(x) + 505 x + 2)$$

Sequence: A332172
Score: 6.46154
Type of gen. func.: ogf

$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 2, a(1) = 727,$

$a(2) = 77277\}$

Sequence: A332173
Score: 10.4447
Type of gen. func.: ogf

$$\frac{1100 x^2 - 404 x - 3}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332173
Score: 11.7302
Type of gen. func.: ogf

$$\frac{1100 x^2 - 404 x - 3}{(x - 1) (100 x - 1) (10 x - 1)}$$

```
Sequence:  A332173
Score: 4.98341
Type of gen. func.: ogf


-(36067340620773 f(x) + 4335560833265)

                3               2                      2
    (1000 f(x) x  - 1110 f(x) x  + 111 f(x) x - 1100 x  - f(x) + 404 x + 3)



------------------------------------------------------------------------------

Sequence:  A332173
Score: 6.46154
Type of gen. func.: ogf


{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 3, a(1) = 737,

    a(2) = 77377}



------------------------------------------------------------------------------

Sequence:  A332174
Score: 10.4447
Type of gen. func.: ogf


                                    2
                               1000 x  - 303 x - 4
                          ------------------------------
                          (x - 1) (100 x - 1) (10 x - 1)



------------------------------------------------------------------------------

Sequence:  A332174
Score: 11.7302
Type of gen. func.: ogf


                                    2
                               1000 x  - 303 x - 4
                          ------------------------------
                          (x - 1) (100 x - 1) (10 x - 1)



------------------------------------------------------------------------------

Sequence:  A332174
Score: 4.88758
Type of gen. func.: ogf


-(648957899359539 f(x) + 148028377394560)

                3               2                      2
    (1000 f(x) x  - 1110 f(x) x  + 111 f(x) x - 1000 x  - f(x) + 303 x + 4)



------------------------------------------------------------------------------

Sequence:  A332174
```

Score: 6.46154
Type of gen. func.: ogf

$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 4, a(1) = 747,$

$a(2) = 77477\}$

Sequence: A332175
Score: 10.5897
Type of gen. func.: ogf

$$\frac{900 x^2 - 202 x - 5}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332175
Score: 11.9135
Type of gen. func.: ogf

$$\frac{900 x^2 - 202 x - 5}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332175
Score: 4.98341
Type of gen. func.: ogf

$-(72025724749671 f(x) + 23939700353650)$

$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 900 x^2 - f(x) + 202 x + 5)$

Sequence: A332175
Score: 6.46154
Type of gen. func.: ogf

$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 5, a(1) = 757,$

$a(2) = 77577\}$

Sequence: A332176
Score: 10.5897
Type of gen. func.: ogf

$$\frac{800 x^{2} - 101 x - 6}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332176
Score: 11.9135
Type of gen. func.: ogf

$$\frac{800 x^{2} - 101 x - 6}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332176
Score: 4.98341
Type of gen. func.: ogf

$$-(71589898782171 f(x) + 30043218243460)$$

$$(1000 f(x) x^{3} - 1110 f(x) x^{2} + 111 f(x) x - 800 x^{2} - f(x) + 101 x + 6)$$

Sequence: A332176
Score: 6.46154
Type of gen. func.: ogf

$$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 6, a(1) = 767,$$

$$a(2) = 77677\}$$

Sequence: A332178
Score: 10.5897
Type of gen. func.: ogf

$$\frac{600 x^{2} + 101 x - 8}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332178
Score: 11.9135
Type of gen. func.: ogf

2

```
                              600 x  + 101 x - 8
                        ------------------------------
                        (x - 1) (100 x - 1) (10 x - 1)
```

Sequence: A332178
Score: 5.11719
Type of gen. func.: ogf

```
(71589898782171 f(x) + 50730028403080)

                3              2                          2
    (1000 f(x) x  - 1110 f(x) x  + 111 f(x) x - 600 x  - f(x) - 101 x + 8)
```

Sequence: A332178
Score: 6.46154
Type of gen. func.: ogf

```
{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 8, a(1) = 787,

    a(2) = 77877}
```

Sequence: A332179
Score: 10.5897
Type of gen. func.: ogf

```
                                   2
                              500 x  + 202 x - 9
                        ------------------------------
                        (x - 1) (100 x - 1) (10 x - 1)
```

Sequence: A332179
Score: 11.9135
Type of gen. func.: ogf

```
                                   2
                              500 x  + 202 x - 9
                        ------------------------------
                        (x - 1) (100 x - 1) (10 x - 1)
```

Sequence: A332179
Score: 4.98341
Type of gen. func.: ogf

```
-(72025724749671 f(x) + 58340105192890)

                3              2                          2
```

```
    (1000 f(x) x  - 1110 f(x) x  + 111 f(x) x - 500 x  - f(x) - 202 x + 9)
```

Sequence: A332179
Score: 6.46154
Type of gen. func.: ogf

```
{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 9, a(1) = 797,

    a(2) = 77977}
```

Sequence: A332180
Score: 10.5512
Type of gen. func.: ogf

```
                                  8 x (200 x - 101)
                            ------------------------------
                            (x - 1) (100 x - 1) (10 x - 1)
```

Sequence: A332180
Score: 11.8701
Type of gen. func.: ogf

```
                                  8 x (200 x - 101)
                            ------------------------------
                            (x - 1) (100 x - 1) (10 x - 1)
```

Sequence: A332180
Score: 5.20335
Type of gen. func.: ogf

```
(72159140862171 f(x) - 17250924337600)

                3               2                             2
    (1000 f(x) x  - 1110 f(x) x  + 111 f(x) x - 1600 x  - f(x) + 808 x)
```

Sequence: A332180
Score: 6.49307
Type of gen. func.: ogf

```
{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 0, a(1) = 808,

    a(2) = 88088}
```

Sequence: A332181
Score: 10.4447
Type of gen. func.: ogf

$$\frac{1500 x^2 - 707 x - 1}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332181
Score: 11.7302
Type of gen. func.: ogf

$$\frac{1500 x^2 - 707 x - 1}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332181
Score: 4.85645
Type of gen. func.: ogf

$$-(3535620014096379 f(x) - 455372143511710)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 1500 x^2 - f(x) + 707 x + 1)$$

Sequence: A332181
Score: 6.46154
Type of gen. func.: ogf

$$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 1, a(1) = 818,$$
$$a(2) = 88188\}$$

Sequence: A332182
Score: 10.0324
Type of gen. func.: ogf

$$\frac{2 (700 x^2 - 303 x - 1)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332182

Score: 11.2127
Type of gen. func.: ogf

$$\frac{2\,(700\,x^2 - 303\,x - 1)}{(x - 1)\,(100\,x - 1)\,(10\,x - 1)}$$

Sequence: A332182
Score: 4.91911
Type of gen. func.: ogf

$$-(649349253289539\,f(x) - 12218783841820)$$

$$(1000\,f(x)\,x^3 - 1110\,f(x)\,x^2 + 111\,f(x)\,x - 1400\,x^2 - f(x) + 606\,x + 2)$$

Sequence: A332182
Score: 6.46154
Type of gen. func.: ogf

$$\{-a(n + 3) + 111\,a(n + 2) - 1110\,a(n + 1) + 1000\,a(n),\ a(0) = 2,\ a(1) = 828,$$

$$a(2) = 88288\}$$

Sequence: A332183
Score: 10.4447
Type of gen. func.: ogf

$$\frac{1300\,x^2 - 505\,x - 3}{(x - 1)\,(100\,x - 1)\,(10\,x - 1)}$$

Sequence: A332183
Score: 11.7302
Type of gen. func.: ogf

$$\frac{1300\,x^2 - 505\,x - 3}{(x - 1)\,(100\,x - 1)\,(10\,x - 1)}$$

Sequence: A332183
Score: 4.98341
Type of gen. func.: ogf

$$-(72140640494571 f(x) + 6541834653830)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 1300 x^2 - f(x) + 505 x + 3)$$

Sequence: A332183
Score: 6.46154
Type of gen. func.: ogf

$$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 3, a(1) = 838,$$

$$a(2) = 88388\}$$

Sequence: A332184
Score: 10.0324
Type of gen. func.: ogf

$$\frac{4 (300 x^2 - 101 x - 1)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332184
Score: 11.2127
Type of gen. func.: ogf

$$\frac{4 (300 x^2 - 101 x - 1)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332184
Score: 4.95105
Type of gen. func.: ogf

$$-(72123563232171 f(x) + 14375303821640)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 1200 x^2 - f(x) + 404 x + 4)$$

Sequence: A332184
Score: 6.46154
Type of gen. func.: ogf

$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 4, a(1) = 848,$

$a(2) = 88488\}$

Sequence: A332185
Score: 10.4447
Type of gen. func.: ogf

$$\frac{1100 x^2 - 303 x - 5}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332185
Score: 11.7302
Type of gen. func.: ogf

$$\frac{1100 x^2 - 303 x - 5}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332185
Score: 4.88758
Type of gen. func.: ogf

$-(648780011209539 f(x) + 198615848553050)$

$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 1100 x^2 - f(x) + 303 x + 5)$

Sequence: A332185
Score: 6.46154
Type of gen. func.: ogf

$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 5, a(1) = 858,$

$a(2) = 88588\}$

Sequence: A332186
Score: 10.0324
Type of gen. func.: ogf

$$2 (500 x^2 - 101 x - 3)$$

$$(x - 1) (100 x - 1) (10 x - 1)$$

Sequence: A332186
Score: 11.2127
Type of gen. func.: ogf

$$\frac{2 (500 x^2 - 101 x - 3)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332186
Score: 4.95105
Type of gen. func.: ogf

$$-(71981252712171 f(x) + 29373207021260)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 1000 x^2 - f(x) + 202 x + 6)$$

Sequence: A332186
Score: 6.46154
Type of gen. func.: ogf

$$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 6, a(1) = 868,$$

$$a(2) = 88688\}$$

Sequence: A332187
Score: 10.5897
Type of gen. func.: ogf

$$\frac{900 x^2 - 101 x - 7}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332187
Score: 11.9135
Type of gen. func.: ogf

$$\frac{900 x^2 - 101 x - 7}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332187
Score: 4.98341
Type of gen. func.: ogf

$$-(71412010632171 f(x) + 34749799261070)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 900 x^2 - f(x) + 101 x + 7)$$

Sequence: A332187
Score: 6.46154
Type of gen. func.: ogf

$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 7, a(1) = 878,$

$a(2) = 88788\}$

Sequence: A332189
Score: 10.5897
Type of gen. func.: ogf

$$\frac{700 x^2 + 101 x - 9}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332189
Score: 11.9135
Type of gen. func.: ogf

$$\frac{700 x^2 + 101 x - 9}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332189
Score: 5.11719
Type of gen. func.: ogf

$$(71412010632171 f(x) + 56859714620690)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 700 x^2 - f(x) - 101 x + 9)$$

Sequence: A332189
Score: 6.46154
Type of gen. func.: ogf

```
{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 9, a(1) = 898,

    a(2) = 88988}
```

Sequence: A332190
Score: 10.5512
Type of gen. func.: ogf

```
              9 x (200 x - 101)
        ------------------------------
        (x - 1) (100 x - 1) (10 x - 1)
```

Sequence: A332190
Score: 11.8701
Type of gen. func.: ogf

```
              9 x (200 x - 101)
        ------------------------------
        (x - 1) (100 x - 1) (10 x - 1)
```

Sequence: A332190
Score: 5.27562
Type of gen. func.: ogf

```
(8017682318019 f(x) - 2156365542200)

                3               2                          2
    (1000 f(x) x  - 1110 f(x) x  + 111 f(x) x - 1800 x  - f(x) + 909 x)
```

Sequence: A332190
Score: 6.49307
Type of gen. func.: ogf

```
{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 0, a(1) = 909,

    a(2) = 99099}
```

Sequence: A332191
Score: 10.4447
Type of gen. func.: ogf

$$\frac{1700 x^2 - 808 x - 1}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332191
Score: 11.7302
Type of gen. func.: ogf

$$\frac{1700 x^2 - 808 x - 1}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332191
Score: 5.11719
Type of gen. func.: ogf

$$-(131972548257 f(x) - 20939472580)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 1700 x^2 - f(x) + 808 x + 1)$$

Sequence: A332191
Score: 6.46154
Type of gen. func.: ogf

{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 1, a(1) = 919,

a(2) = 99199}

Sequence: A332192
Score: 10.4447
Type of gen. func.: ogf

$$\frac{1600 x^2 - 707 x - 2}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332192
Score: 11.7302
Type of gen. func.: ogf

$$\frac{1600 x^2 - 707 x - 2}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332192
Score: 5.08308
Type of gen. func.: ogf

$$-(1616560771617 f(x) - 78607944860)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 1600 x^2 - f(x) + 707 x + 2)$$

Sequence: A332192
Score: 6.46154
Type of gen. func.: ogf

$$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 2, a(1) = 929,$$

$$a(2) = 99299\}$$

Sequence: A332193
Score: 10.0324
Type of gen. func.: ogf

$$\frac{3 (500 x^2 - 202 x - 1)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332193
Score: 11.2127
Type of gen. func.: ogf

$$\frac{3 (500 x^2 - 202 x - 1)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332193
Score: 5.11719
Type of gen. func.: ogf

$$-(890670578391 f(x) + 54361751230)$$

```
                3              2                       2
    (1000 f(x) x  - 1110 f(x) x  + 111 f(x) x - 1500 x  - f(x) + 606 x + 3)
```

Sequence: A332193
Score: 6.46154
Type of gen. func.: ogf

```
{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 3, a(1) = 939,

    a(2) = 99399}
```

Sequence: A332194
Score: 10.4447
Type of gen. func.: ogf

```
                                     2
                               1400 x  - 505 x - 4
                          ------------------------------
                          (x - 1) (100 x - 1) (10 x - 1)
```

Sequence: A332194
Score: 11.7302
Type of gen. func.: ogf

```
                                     2
                               1400 x  - 505 x - 4
                          ------------------------------
                          (x - 1) (100 x - 1) (10 x - 1)
```

Sequence: A332194
Score: 5.40753
Type of gen. func.: ogf

```
-(50201569 f(x) + 8538160)

                3              2                       2
    (1000 f(x) x  - 1110 f(x) x  + 111 f(x) x - 1400 x  - f(x) + 505 x + 4)
```

Sequence: A332194
Score: 6.46154
Type of gen. func.: ogf

```
{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 4, a(1) = 949,

    a(2) = 99499}
```

Sequence: A332195
Score: 10.4447
Type of gen. func.: ogf

$$\frac{1300 x^2 - 404 x - 5}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332195
Score: 11.7302
Type of gen. func.: ogf

$$\frac{1300 x^2 - 404 x - 5}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332195
Score: 5.40753
Type of gen. func.: ogf

$-(13370863 f(x) + 3717125)$

$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 1300 x^2 - f(x) + 404 x + 5)$

Sequence: A332195
Score: 6.46154
Type of gen. func.: ogf

$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 5, a(1) = 959,$

$a(2) = 99599\}$

Sequence: A332196
Score: 4.38704
Type of gen. func.: ogf

$-(889682310891 f(x) + 341259458260)$

$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 1200 x^2 - f(x) + 303 x + 6)$

Sequence: A332196
Score: 5.57675
Type of gen. func.: ogf

{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 6, a(1) = 969,

a(2) = 99699}

Sequence: A332196
Score: 8.65863
Type of gen. func.: ogf

$$\frac{3 (400 x^2 - 101 x - 2)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332196
Score: 9.6773
Type of gen. func.: ogf

$$\frac{3 (400 x^2 - 101 x - 2)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332197
Score: 10.4447
Type of gen. func.: ogf

$$\frac{1100 x^2 - 202 x - 7}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332197
Score: 11.7302
Type of gen. func.: ogf

$$\frac{1100 x^2 - 202 x - 7}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A332197
Score: 5.15177
Type of gen. func.: ogf

$$-(32890192533 f(x) + 15877521010) (1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - 1100 x^2 - f(x) + 202 x + 7)$$

Sequence: A332197
Score: 6.46154
Type of gen. func.: ogf

$$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 7, a(1) = 979, a(2) = 99799\}$$

Sequence: A332243
Score: 16.1418
Type of gen. func.: ogf

$$-\frac{13 x^2 + 94 x + 13}{(x - 1)^3}$$

Sequence: A332243
Score: 19.3701
Type of gen. func.: ogf

$$-\frac{13 x^2 + 94 x + 13}{(x - 1)^3}$$

Sequence: A332243
Score: 6.45672
Type of gen. func.: ogf

$$(587 f(x) - 35738) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 13 x^2 - f(x) + 94 x + 13)$$

Sequence: A332243
Score: 7.10831

Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 13, a(1) = 133, a(2) = 373\}$$

Sequence: A332245
Score: 3.53128
Type of gen. func.: ogf

$$-(x^{30} + 2 x^{29} - x^{28} - x^{27} + x^{26} - 2 x^{25} + x^{16} + 2 x^{15} - x^{14} - x^{13} + 2 x^{12} - x^{10} - x^{9} + x^{8} - 2 x^{7} + 3 x^{5} - x^{4} - 2 x^{3} - x^{2} - 3 x - 5) / ((x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A332245
Score: 3.65464
Type of gen. func.: ogf

$$-(x^{30} + 2 x^{29} - x^{28} - x^{27} + x^{26} - 2 x^{25} + x^{16} + 2 x^{15} - x^{14} - x^{13} + 2 x^{12} - x^{10} - x^{9} + x^{8} - 2 x^{7} + 3 x^{5} - x^{4} - 2 x^{3} - x^{2} - 3 x - 5) / ((x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A332348
Score: 4.13808
Type of gen. func.: ogf

$$\{-a(n + 6) + a(n + 5) + 2 a(n + 4) + a(n + 3) - 2 a(n + 2) + 2 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 8, a(4) = 22, a(5) = 40\}$$

Sequence: A332348
Score: 7.44094
Type of gen. func.: ogf

$$-\frac{2 x^{5} - 2 x^{4} + 3 x^{3} - 2 x^{2} - x - 1}{2 x^{6} - 2 x^{5} + 2 x^{4} - x^{3} - 2 x^{2} - x + 1}$$

Sequence: A332348
Score: 8.03033
Type of gen. func.: ogf

$$-\frac{2x^5-2x^4+3x^3-2x^2-x-1}{2x^6-2x^5+2x^4-x^3-2x^2-x+1}$$

Sequence: A332349
Score: 6.58472
Type of gen. func.: ogf

$$-\frac{6x^6+3x^5-4x^4+5x^3-5x^2-2x-1}{(x-1)(6x^6+9x^5+3x^4+7x^3+4x^2-1)}$$

Sequence: A332349
Score: 7.03496
Type of gen. func.: ogf

$$-\frac{6x^6+3x^5-4x^4+5x^3-5x^2-2x-1}{(x-1)(6x^6+9x^5+3x^4+7x^3+4x^2-1)}$$

Sequence: A332392
Score: 5.76185
Type of gen. func.: ogf

$$-\frac{64x^8+48x^7+8x^6-4x^3-5x^2-x-1}{64x^9+48x^8+8x^7-16x^6-8x^5-4x^4-5x^3-x^2+1}$$

Sequence: A332392
Score: 6.10584
Type of gen. func.: ogf

$$64x^8+48x^7+8x^6-4x^3-5x^2-x-1$$

$$- \frac{}{64 x^9 + 48 x^8 + 8 x^7 - 16 x^6 - 8 x^5 - 4 x^4 - 5 x^3 - x^2 + 1}$$

Sequence: A332410
Score: 6.36956
Type of gen. func.: ogf

$$- \frac{x (x + 1) (x^3 + x^2 + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A332410
Score: 6.91748
Type of gen. func.: ogf

$$- \frac{x (x + 1) (x^3 + x^2 + 1)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A332420
Score: 2.29905
Type of gen. func.: ogf

$$- \frac{x^7 + 4 x^6 + 4 x^4 + 4 x^2 + x + 3}{(x - 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A332420
Score: 2.49682
Type of gen. func.: ogf

$$- \frac{x^7 + 4 x^6 + 4 x^4 + 4 x^2 + x + 3}{(x - 1) (x^2 + 1) (x^4 + 1)}$$

Sequence: A332426
Score: 7.98854
Type of gen. func.: ogf

$$\frac{x (32 x^4 - 72 x^3 + 66 x^2 - 24 x + 3)}{(4 x - 1)^3 (2 x - 1)^3}$$

Sequence: A332426
Score: 8.91475
Type of gen. func.: ogf

$$\frac{x (32 x^4 - 72 x^3 + 66 x^2 - 24 x + 3)}{(4 x - 1)^3 (2 x - 1)^3}$$

Sequence: A332480
Score: 4.3394
Type of gen. func.: ogf

$$\frac{5 x^{10} + x^9 + 6 x^8 + 6 x^7 + 6 x^6 + x^5 + 5 x^4 + x^3 + 6 x^2 + 6 x + 1}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A332480
Score: 4.5291
Type of gen. func.: ogf

$$\frac{5 x^{10} + x^9 + 6 x^8 + 6 x^7 + 6 x^6 + x^5 + 5 x^4 + x^3 + 6 x^2 + 6 x + 1}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A332481
Score: 4.16195
Type of gen. func.: ogf

$$\frac{4 x^{11} + 6 x^{10} + x^9 + 5 x^8 + x^7 + 6 x^6 + 6 x^5 + 6 x^4 + x^3 + 5 x^2 + x + 2}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A332481
Score: 4.33537
Type of gen. func.: ogf

$$\frac{4x^{11}+6x^{10}+x^{9}+5x^{8}+x^{7}+6x^{6}+6x^{5}+6x^{4}+x^{3}+5x^{2}+x+2}{(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A332482
Score: 4.12391
Type of gen. func.: ogf

$$\frac{x^{11}+6x^{10}+6x^{9}+x^{8}+5x^{7}+x^{6}+6x^{5}+6x^{4}+x^{3}+5x^{2}+x+5}{(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A332482
Score: 4.29574
Type of gen. func.: ogf

$$\frac{x^{11}+6x^{10}+6x^{9}+x^{8}+5x^{7}+x^{6}+6x^{5}+6x^{4}+x^{3}+5x^{2}+x+5}{(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A332483
Score: 4.16434
Type of gen. func.: ogf

$$\frac{2x^{11}+x^{10}+5x^{9}+x^{8}+6x^{7}+6x^{6}+x^{5}+5x^{4}+x^{3}+6x^{2}+6x+4}{(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A332483
Score: 4.33786
Type of gen. func.: ogf

$$\frac{2x^{11}+x^{10}+5x^{9}+x^{8}+6x^{7}+6x^{6}+x^{5}+5x^{4}+x^{3}+6x^{2}+6x+4}{(x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}}$$

Sequence: A332491
Score: 18.2585
Type of gen. func.: ogf

$$\frac{5 x - 3}{x^3 + 2 x - 1}$$

Sequence: A332491
Score: 22.6848
Type of gen. func.: ogf

$$\frac{5 x - 3}{x^3 + 2 x - 1}$$

Sequence: A332491
Score: 8.13695
Type of gen. func.: ogf

$$-(89 f(x) - 237) (f(x) x^3 + 2 f(x) x - f(x) - 5 x + 3)$$

Sequence: A332491
Score: 8.70464
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - a(n), a(0) = 3, a(1) = 1, a(2) = 2\}$$

Sequence: A332495
Score: 10.242
Type of gen. func.: ogf

$$- \frac{x (2 x^2 + x + 2)}{(x^2 + 1) (x - 1)^3}$$

Sequence: A332495
Score: 11.6795
Type of gen. func.: ogf

$$-\frac{x (2 x^2 + x + 2)}{(x^2 + 1) (x - 1)^3}$$

Sequence: A332495
Score: 4.03474
Type of gen. func.: ogf

$$\{-a(n + 5) + 3 a(n + 4) - 4 a(n + 3) + 4 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 0, a(1) = 2, a(2) = 7, a(3) = 15, a(4) = 25\}$$

Sequence: A332519
Score: 21.5474
Type of gen. func.: ogf

$$\frac{8 x (x - 2)}{(x - 1)^3}$$

Sequence: A332519
Score: 26.771
Type of gen. func.: ogf

$$\frac{8 x (x - 2)}{(x - 1)^3}$$

Sequence: A332519
Score: 8.10498
Type of gen. func.: ogf

$$(5 f(x) + 32) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - 8 x^2 - f(x) + 16 x)$$

Sequence: A332519
Score: 8.41374
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 16, a(2) = 40\}$$

Sequence: A332562
Score: 12.2258
Type of gen. func.: ogf

$$\frac{43 x - 44}{(100 x - 1) (x - 1)^2}$$

Sequence: A332562
Score: 14.6114
Type of gen. func.: ogf

$$\frac{43 x - 44}{(100 x - 1) (x - 1)^2}$$

Sequence: A332562
Score: 4.21877
Type of gen. func.: ogf

$$(1763924804030201 f(x) - 17267571551591400)$$

$$(100 f(x) x^3 - 201 f(x) x^2 + 102 f(x) x - f(x) - 43 x + 44)$$

Sequence: A332562
Score: 5.03417
Type of gen. func.: ogf

$$\{a(n + 3) - 102 a(n + 2) + 201 a(n + 1) - 100 a(n), a(0) = 44, a(1) = 4445,$$

$$a(2) = 444546\}$$

Sequence: A332609
Score: 6.06361
Type of gen. func.: ogf

$$x^{18} - x^{17} + 2 x^9 - 2 x^8 - x^7 + x^6 - x^5 - x^2 - 4$$

$$x - 1$$

Sequence: A332609
Score: 6.62118
Type of gen. func.: ogf

$$\frac{x^{18} - x^{17} + 2 x^{9} - 2 x^{8} - x^{7} + x^{6} - x^{5} - x^{2} - 4}{x - 1}$$

Sequence: A332647
Score: 19.9557
Type of gen. func.: ogf

$$\frac{4 x - 3}{x^{3} + 2 x - 1}$$

Sequence: A332647
Score: 24.7934
Type of gen. func.: ogf

$$\frac{4 x - 3}{x^{3} + 2 x - 1}$$

Sequence: A332647
Score: 8.89329
Type of gen. func.: ogf

$$-(59 f(x) - 129) (f(x) x^{3} + 2 f(x) x - f(x) - 4 x + 3)$$

Sequence: A332647
Score: 9.51375
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - a(n), a(0) = 3, a(1) = 2, a(2) = 4\}$$

Sequence: A332697
Score: 17.014
Type of gen. func.: ogf

$$-\frac{x\,(x^2 - x + 4)}{(x - 1)^5}$$

Sequence: A332697
Score: 20.3338
Type of gen. func.: ogf

$$-\frac{x\,(x^2 - x + 4)}{(x - 1)^5}$$

Sequence: A332697
Score: 4.93306
Type of gen. func.: ogf

{a(n + 5) - 5 a(n + 4) + 10 a(n + 3) - 10 a(n + 2) + 5 a(n + 1) - a(n),

a(0) = 0, a(1) = 4, a(2) = 19, a(3) = 56, a(4) = 130}

Sequence: A332698
Score: 18.2731
Type of gen. func.: ogf

$$\frac{x\,(x^2 + x + 6)}{(x - 1)^4}$$

Sequence: A332698
Score: 22.224
Type of gen. func.: ogf

$$\frac{x\,(x^2 + x + 6)}{(x - 1)^4}$$

```
--------------------------------------------------------------------------------

Sequence:  A332698
Score: 5.67095
Type of gen. func.: ogf


(3184640 f(x) + 7161199)

             4            3            2    3                2
    (f(x) x  - 4 f(x) x  + 6 f(x) x  - x  - 4 f(x) x - x  + f(x) - 6 x)



--------------------------------------------------------------------------------

Sequence:  A332698
Score: 6.09102
Type of gen. func.: ogf


{a(n + 4) - 4 a(n + 3) + 6 a(n + 2) - 4 a(n + 1) + a(n), a(0) = 0, a(1) = 6,

    a(2) = 25, a(3) = 65}



--------------------------------------------------------------------------------

Sequence:  A332705
Score: 11.7773
Type of gen. func.: ogf


                                      6 (16 x - 1)
                                - --------------------
                                  (20 x - 1) (8 x - 1)



--------------------------------------------------------------------------------

Sequence:  A332705
Score: 13.9684
Type of gen. func.: ogf


                                      6 (16 x - 1)
                                - --------------------
                                  (20 x - 1) (8 x - 1)



--------------------------------------------------------------------------------

Sequence:  A332705
Score: 6.25668
Type of gen. func.: ogf


                                             2
          -(31 f(x) + 300) (160 f(x) x  - 28 f(x) x + f(x) + 96 x - 6)



--------------------------------------------------------------------------------

Sequence:  A332705
Score: 7.70053
Type of gen. func.: ogf
```

$$\{a(n + 2) - 28 a(n + 1) + 160 a(n), a(0) = 6, a(1) = 72\}$$

Sequence: A332724
Score: 15.0102
Type of gen. func.: ogf

$$\frac{x^2 (x^2 + 4 x + 1)}{(x^2 + x - 1)^2}$$

Sequence: A332724
Score: 17.6787
Type of gen. func.: ogf

$$\frac{x^2 (x^2 + 4 x + 1)}{(x^2 + x - 1)^2}$$

Sequence: A332724
Score: 5.19962
Type of gen. func.: ogf

$$\{a(n + 5) - 2 a(n + 4) - a(n + 3) + 2 a(n + 2) + a(n + 1), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 6, a(4) = 14\}$$

Sequence: A332724
Score: 5.56323
Type of gen. func.: ogf

$$(1463 f(x) - 2224) (f(x) x^4 + 2 f(x) x^3 - x^4 - f(x) x^2 - 4 x^3 - 2 f(x) x - x^2 + f(x))$$

Sequence: A332735
Score: 6.60795
Type of gen. func.: ogf

$$x^{11} - x^{10} + 3 x^9 - 3 x^8 + 4 x^7 + 4 x^5 + 3 x^4 + 6 x^3 + 3 x^2 + 4 x + 1$$

$$\frac{}{(x^2 + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A332735
Score: 7.0242
Type of gen. func.: ogf

$$\frac{x^{11} - x^{10} + 3 x^9 - 3 x^8 + 4 x^7 + 4 x^5 + 3 x^4 + 6 x^3 + 3 x^2 + 4 x + 1}{(x^2 + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A332750
Score: 4.5476
Type of gen. func.: ogf

{-a(n + 6) + 4 a(n + 5) - a(n + 4) - a(n + 2) - a(n), a(0) = 11, a(1) = 65,

a(2) = 265, a(3) = 1005, a(4) = 3749, a(5) = 13927}

Sequence: A332750
Score: 6.80162
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + 4 x^3 + 6 x^2 + 10 x + 11)}{(x - 1) (x^5 + x^4 + 2 x^3 + 2 x^2 + 3 x - 1)}$$

Sequence: A332750
Score: 7.31016
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + 4 x^3 + 6 x^2 + 10 x + 11)}{(x - 1) (x^5 + x^4 + 2 x^3 + 2 x^2 + 3 x - 1)}$$

Sequence: A332751
Score: 4.83895
Type of gen. func.: ogf

$$\{-a(n + 6) + 4 a(n + 5) - a(n + 4) - a(n + 2) - a(n), a(0) = 6, a(1) = 28, a(2) = 108, a(3) = 400, a(4) = 1486, a(5) = 5516\}$$

Sequence: A332751
Score: 8.43074
Type of gen. func.: ogf

$$-\frac{2 (2 x^3 - x^2 - 2 x - 3)}{(x - 1) (x^5 + x^4 + 2 x^3 + 2 x^2 + 3 x - 1)}$$

Sequence: A332751
Score: 9.18856
Type of gen. func.: ogf

$$-\frac{2 (2 x^3 - x^2 - 2 x - 3)}{(x - 1) (x^5 + x^4 + 2 x^3 + 2 x^2 + 3 x - 1)}$$

Sequence: A332754
Score: 5.59441
Type of gen. func.: ogf

$$2 f(x)^2 x^4 + 3 f(x)^2 x^3 + 4 f(x) x^3 - f(x)^2 x + 4 f(x) x^2 - f(x) x + 2 x^2 - f(x) + x$$

Sequence: A332754
Score: 6.32214
Type of gen. func.: ogf

$$-\frac{2 (2 x - 1)^{1/2} x - (2 x + 1)^{1/2} I + (2 x - 1)^{1/2}}{2 x (2 x - 1)^{1/2} (x + 1)}$$

Sequence: A332756
Score: 11.6412
Type of gen. func.: ogf

```
               {a(n + 3) - a(n), a(0) = 19, a(1) = 37, a(2) = 46}


------------------------------------------------------------------------------

Sequence:  A332756
Score: 12.1548
Type of gen. func.: ogf


                                    2
                                46 x  + 37 x + 19
                             - --------------------
                                         2
                               (x - 1) (x  + x + 1)


------------------------------------------------------------------------------

Sequence:  A332756
Score: 13.7755
Type of gen. func.: ogf


                                    2
                                46 x  + 37 x + 19
                             - --------------------
                                         2
                               (x - 1) (x  + x + 1)


------------------------------------------------------------------------------

Sequence:  A332756
Score: 9.08273
Type of gen. func.: ogf


                                        3       2
          -(14587 f(x) + 313795) (f(x) x  + 46 x  - f(x) + 37 x + 19)


------------------------------------------------------------------------------

Sequence:  A332828
Score: 7.20561
Type of gen. func.: ogf


                                   6    5
                               x (x  - x  - x - 1)
                            - ---------------------
                               8    6    4    2
                              x  - x  + x  - x  + 1


------------------------------------------------------------------------------

Sequence:  A332828
Score: 7.95424
Type of gen. func.: ogf


                                   6    5
                               x (x  - x  - x - 1)
```

$$-\frac{}{x^{8} - x^{6} + x^{4} - x^{2} + 1}$$

Sequence: A332863
Score: 11.1506
Type of gen. func.: ogf

$$\frac{x^{2} (x^{4} - 3 x^{3} - 4 x^{2} + 7 x - 4)}{(x^{3} - x^{2} + 2 x - 1)^{3}}$$

Sequence: A332863
Score: 9.99212
Type of gen. func.: ogf

$$\frac{x^{2} (x^{4} - 3 x^{3} - 4 x^{2} + 7 x - 4)}{(x^{3} - x^{2} + 2 x - 1)^{3}}$$

Sequence: A332872
Score: 2.19026
Type of gen. func.: ogf

$$\frac{x^{2} - 3 x + 1}{2 x^{2} - 4 x + 1}$$

Sequence: A332884
Score: 18.4698
Type of gen. func.: ogf

$$\frac{x^{2} + 20 x - 19}{(x - 1)^{3}}$$

Sequence: A332884
Score: 22.6914
Type of gen. func.: ogf

$$\frac{x^2 + 20 x - 19}{(x - 1)^3}$$

Sequence: A332884
Score: 6.40484
Type of gen. func.: ogf

$$-(229 f(x) - 162091) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x - x^2 - f(x) - 20 x + 19)$$

Sequence: A332884
Score: 7.42243
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 19, a(1) = 37, a(2) = 53\}$$

Sequence: A332918
Score: 5.1895
Type of gen. func.: ogf

$$- (x^{13} - 3 x^{12} + 4 x^{11} - 3 x^{10} + x^8 - 2 x^7 + 3 x^6 - 13 x^5 + 5 x^4 - 4 x^3 - 5 x^2 + 8 x - 8) / ((x + 1) (x^2 + 1) (x - 1)^4)$$

Sequence: A332918
Score: 5.46628
Type of gen. func.: ogf

$$- (x^{13} - 3 x^{12} + 4 x^{11} - 3 x^{10} + x^8 - 2 x^7 + 3 x^6 - 13 x^5 + 5 x^4 - 4 x^3 - 5 x^2 + 8 x - 8) / ((x + 1) (x^2 + 1) (x - 1)^4)$$

Sequence: A332919
Score: 19.5805
Type of gen. func.: ogf

$$-\frac{285 (x - 1)}{(10 x - 1)^2}$$

Sequence: A332919
Score: 24.4756
Type of gen. func.: ogf

$$-\frac{285 (x - 1)}{(10 x - 1)^2}$$

Sequence: A332919
Score: 7.75466
Type of gen. func.: ogf

$$(2820 f(x) + 1672399) (100 f(x) x^2 - 20 f(x) x + f(x) + 285 x - 285)$$

Sequence: A332919
Score: 9.55147
Type of gen. func.: ogf

$$\{-a(n + 2) + 20 a(n + 1) - 100 a(n), a(0) = 285, a(1) = 5415\}$$

Sequence: A332936
Score: 10.592
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + 3 a(n), a(0) = 7, a(1) = 51\}$$

Sequence: A332936
Score: 17.6533
Type of gen. func.: ogf

$$-\frac{5 x - 7}{3 x^2 - 8 x + 1}$$

Sequence: A332936
Score: 21.4702
Type of gen. func.: ogf

$$-\frac{5x-7}{3x^2-8x+1}$$

Sequence: A332936
Score: 8.63476
Type of gen. func.: ogf

$$-(122 f(x) + 13) (3 f(x) x^2 - 8 f(x) x + f(x) + 5 x - 7)$$

Sequence: A333090
Score: 3.35898
Type of gen. func.: ogf

$$4 f(x)^3 x^4 + 44 f(x)^3 x^3 + 44 f(x)^3 x - 8 f(x)^2 x^2 + f(x) x^3 - 4 f(x)^3 - 88 f(x)^2 x + 15 f(x) x^2 + 8 f(x)^2 + 61 f(x) x - x^2 - 5 f(x) - 14 x + 1$$

Sequence: A333093
Score: 4.11881
Type of gen. func.: ogf

$$27 f(x)^3 x^3 - 31 f(x)^3 x^2 + 31 f(x)^3 x + 27 f(x)^2 x^2 - 4 f(x)^3 - 58 f(x)^2 x + 8 f(x)^2 + 37 f(x) x - 5 f(x) - 8 x + 1$$

Sequence: A333251
Score: 6.46883
Type of gen. func.: ogf

$$-\frac{x^5 - x^3 + x^2 + x - 1}{(x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A333251
Score: 6.91114
Type of gen. func.: ogf

$$-\frac{x^5 - x^3 + x^2 + x - 1}{(x + 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^3}$$

Sequence: A333298
Score: 15.9985
Type of gen. func.: ogf

$$-\frac{(3 x + 1)^2}{18 x^2 + 12 x - 1}$$

Sequence: A333298
Score: 19.2802
Type of gen. func.: ogf

$$-\frac{(3 x + 1)^2}{18 x^2 + 12 x - 1}$$

Sequence: A333298
Score: 7.59524
Type of gen. func.: ogf

$$\{-a(n + 3) + 12 a(n + 2) + 18 a(n + 1), a(0) = 1, a(1) = 18, a(2) = 243\}$$

Sequence: A333298
Score: 7.83259
Type of gen. func.: ogf

$$(7 + 89 f(x)) (18 f(x) x^2 + 12 f(x) x + 9 x^2 - f(x) + 6 x + 1)$$

Sequence: A333299
Score: 2.862

Type of gen. func.: ogf

$$-\frac{(x+1)^4}{2x^4+8x^3+12x^2+8x-1}$$

Sequence: A333299
Score: 3.286
Type of gen. func.: ogf

$$-\frac{(x+1)^4}{2x^4+8x^3+12x^2+8x-1}$$

Sequence: A333319
Score: 13.7079
Type of gen. func.: ogf

$$-\frac{x^5(x^2+x+2)}{(x+1)^4(x-1)^5}$$

Sequence: A333319
Score: 15.777
Type of gen. func.: ogf

$$-\frac{x^5(x^2+x+2)}{(x+1)^4(x-1)^5}$$

Sequence: A333320
Score: 14.7251
Type of gen. func.: ogf

$$\frac{x^7(x^2+x+3)}{(x+1)^5(x-1)^6}$$

Sequence: A333320
Score: 17.1292
Type of gen. func.: ogf

$$\frac{x^7 (x^2 + x + 3)}{(x + 1)^5 (x - 1)^6}$$

Sequence: A333321
Score: 17.5389
Type of gen. func.: ogf

$$\frac{x^8 (x + 4)}{(x + 1)^5 (x - 1)^6}$$

Sequence: A333321
Score: 20.9611
Type of gen. func.: ogf

$$\frac{x^8 (x + 4)}{(x + 1)^5 (x - 1)^6}$$

Sequence: A333344
Score: 13.57
Type of gen. func.: ogf

$$- \frac{x - 1}{9 x^2 - 11 x + 1}$$

Sequence: A333344
Score: 16.4269
Type of gen. func.: ogf

$$- \frac{x - 1}{9 x^2 - 11 x + 1}$$

Sequence: A333344
Score: 6.85957
Type of gen. func.: ogf

$$-(23 f(x) + 2) (9 f(x) x^2 - 11 f(x) x + f(x) + x - 1)$$

Sequence: A333344
Score: 8.21344
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 9 a(n), a(0) = 1, a(1) = 10\}$$

Sequence: A333354
Score: 2.09039
Type of gen. func.: ogf

$$-\frac{x (x^{11} + x^{10} - x^8 + 2 x^7 + 7 x^6 + 9 x^5 + 9 x^4 + 12 x^3 + 10 x^2 + 7 x + 2)}{(x^2 - x + 1) (x + 1)^2 (x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A333375
Score: 11.9275
Type of gen. func.: ogf

$$\frac{11 x^6 - 16 x^5 + x^4 - 2 x^3 - 2 x + 1}{x^2 - 3 x + 1}$$

Sequence: A333378
Score: 13.0474
Type of gen. func.: ogf

$$\frac{x (x^2 - x + 1)}{x^4 + 3 x^2 + 1}$$

Sequence: A333378
Score: 15.1776
Type of gen. func.: ogf

$$\frac{x\,(x^{2} - x + 1)}{x^{4} + 3\,x^{2} + 1}$$

Sequence: A333378
Score: 7.66704
Type of gen. func.: ogf

$$(2\,f(x) + 1)\,(f(x)\,x^{4} + 3\,f(x)\,x^{2} - x^{3} + x^{2} + f(x) - x)$$

Sequence: A333378
Score: 7.66704
Type of gen. func.: ogf

$$\{-a(n + 4) - 3\,a(n + 2) - a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = -1,\ a(3) = -2\}$$

Sequence: A333385
Score: 12.6383
Type of gen. func.: ogf

$$-\frac{23\,x - 3}{(17\,x - 1)\,(3\,x - 1)}$$

Sequence: A333385
Score: 14.9896
Type of gen. func.: ogf

$$-\frac{23\,x - 3}{(17\,x - 1)\,(3\,x - 1)}$$

Sequence: A333385
Score: 6.78477
Type of gen. func.: ogf

^{2}

```
          -(434 f(x) + 67) (51 f(x) x  - 20 f(x) x + f(x) + 23 x - 3)



------------------------------------------------------------------------------

Sequence:  A333385
Score: 8.37082
Type of gen. func.: ogf


            {a(n + 2) - 20 a(n + 1) + 51 a(n), a(0) = 3, a(1) = 37}



------------------------------------------------------------------------------

Sequence:  A333405
Score: 5.17804
Type of gen. func.: ogf


      4     11      9       8       6      5      4       3      2
     x  (2 x   + 5 x  + 10 x  + 21 x  + 2 x  + 5 x  + 14 x  + 7 x  + x + 5)
     ----------------------------------------------------------------------
                   2         2   2         2        3        4
                 (x  + x + 1)  (x  - x + 1)  (x + 1)  (x - 1)



------------------------------------------------------------------------------

Sequence:  A333405
Score: 5.45606
Type of gen. func.: ogf


      4     11      9       8       6      5      4       3      2
     x  (2 x   + 5 x  + 10 x  + 21 x  + 2 x  + 5 x  + 14 x  + 7 x  + x + 5)
     ----------------------------------------------------------------------
                   2         2   2         2        3        4
                 (x  + x + 1)  (x  - x + 1)  (x + 1)  (x - 1)



------------------------------------------------------------------------------

Sequence:  A333448
Score: 8.28449
Type of gen. func.: ogf


                        6      5      4    3      2
                     2 x  + 2 x  + 8 x  + x  + 5 x  + x + 1
                     --------------------------------------
                                 2        2   2     2
                          (x - 1)  (x + 1)  (x  + 1)



------------------------------------------------------------------------------

Sequence:  A333448
Score: 8.99714
Type of gen. func.: ogf


                        6      5      4    3      2
                     2 x  + 2 x  + 8 x  + x  + 5 x  + x + 1
                     --------------------------------------
                                 2        2   2     2
```

$$(x - 1)\ (x + 1)\ (x + 1)$$

Sequence: A333510
Score: 12.6079
Type of gen. func.: ogf

$$-\frac{2 x^4 + 2 x^3 - 5 x^2 + 2 x + 1}{(2 x - 1) (x - 1)^4}$$

Sequence: A333510
Score: 14.1597
Type of gen. func.: ogf

$$-\frac{2 x^4 + 2 x^3 - 5 x^2 + 2 x + 1}{(2 x - 1) (x - 1)^4}$$

Sequence: A333510
Score: 5.414
Type of gen. func.: ogf

{a(n + 5) - 6 a(n + 4) + 14 a(n + 3) - 16 a(n + 2) + 9 a(n + 1) - 2 a(n),

a(0) = 1, a(1) = 8, a(2) = 29, a(3) = 80, a(4) = 195}

Sequence: A333514
Score: 4.51404
Type of gen. func.: ogf

{a(n + 5) - 7 a(n + 4) + 12 a(n + 3) - 7 a(n + 2) + 3 a(n + 1) + 2 a(n),

a(0) = 1, a(1) = 3, a(2) = 11, a(3) = 49, a(4) = 229}

Sequence: A333514
Score: 8.87062
Type of gen. func.: ogf

```
                      2
       (x - 1) (x  + 3 x - 1)
  -------------------------------------
    5      4      3       2
```

$$2 x + 3 x - 7 x + 12 x - 7 x + 1$$

Sequence: A333514
Score: 9.78043
Type of gen. func.: ogf

$$\frac{(x - 1) (x^2 + 3 x - 1)}{2 x^5 + 3 x^4 - 7 x^3 + 12 x^2 - 7 x + 1}$$

Sequence: A333525
Score: 7.24449
Type of gen. func.: ogf

$$- \frac{x^3 (x^{21} + x^5 + 1)}{x - 1}$$

Sequence: A333525
Score: 8.5044
Type of gen. func.: ogf

$$- \frac{x^3 (x^{21} + x^5 + 1)}{x - 1}$$

Sequence: A333561
Score: 3.30328
Type of gen. func.: ogf

$$-108 f(x)^3 x^3 - 212 f(x)^3 x^2 - 100 f(x)^3 x + 216 f(x)^2 x^2 + 4 f(x)^3$$

$$+ 208 f(x)^2 x - 48 f(x) x^2 - 8 f(x)^2 - 155 f(x) x - 8 x^2 + 5 f(x) + 40 x$$

$$- 1$$

Sequence: A333564
Score: 7.58421
Type of gen. func.: ogf

$$16 f(x)^{2} x^{3} + 14 f(x)^{2} x^{2} - 2 f(x)^{2} x + 8 f(x) x - f(x) + 2$$

Sequence: A333564
Score: 7.91041
Type of gen. func.: ogf

$$-\frac{-4 I x + (8 x - 1)^{1/2} - I}{4 (x + 1) x (8 x - 1)^{1/2}}$$

Sequence: A333565
Score: 10.9098
Type of gen. func.: lgdogf

$$-\frac{16 x^{2} - 4 x + 7}{(4 x + 1) (8 x - 1) (x + 1)}$$

Sequence: A333565
Score: 3.37464
Type of gen. func.: ogf

$$\{-a(n + 4) n + 3 a(n + 3) n + 36 a(n + 2) n + 32 a(n + 1) n - 4 a(n + 4) + 16 a(n + 3) + 68 a(n + 2) + 48 a(n + 1), a(0) = 1, a(1) = 7, a(2) = 33, a(3) = 223\}$$

Sequence: A333565
Score: 8.38332
Type of gen. func.: ogf

$$8 f(x)^{2} x^{3} + 15 f(x)^{2} x^{2} + 6 f(x)^{2} x - f(x)^{2} + 16 x^{2} + 8 x + 1$$

Sequence: A333574
Score: 16.2562
Type of gen. func.: ogf

$$-\frac{x^{4} + 1}{}$$

$$(x + 1) (x - 1)^{3}$$

Sequence: A333574
Score: 19.1461
Type of gen. func.: ogf

$$- \frac{x^{4} + 1}{(x + 1) (x - 1)^{3}}$$

Sequence: A333574
Score: 6.28888
Type of gen. func.: ogf

$\{-a(n + 5) + 2 a(n + 4) - 2 a(n + 2) + a(n + 1), a(0) = 1, a(1) = 2, a(2) = 4,$

$a(3) = 6, a(4) = 10\}$

Sequence: A333574
Score: 7.76195
Type of gen. func.: ogf

$$-(f(x) + 1) (f(x) x^{4} - 2 f(x) x^{3} + x^{4} + 2 f(x) x - f(x) + 1)$$

Sequence: A333575
Score: 10.8997
Type of gen. func.: ogf

$$\frac{2 x^{7} + 2 x^{6} - 6 x^{5} + 2 x^{4} + 2 x^{3} - 1}{(2 x - 1) (2 x^{2} - 1)^{2}}$$

Sequence: A333575
Score: 9.87381
Type of gen. func.: ogf

$$\frac{2 x^{7} + 2 x^{6} - 6 x^{5} + 2 x^{4} + 2 x^{3} - 1}{\qquad {}^{2} \quad {}^{2}}$$

$$(2 x - 1) (2 x - 1)$$

Sequence: A333599
Score: 10.3301
Type of gen. func.: ogf

$$-\frac{x (x^{3} - 3 x - 1)}{(x + 1) (x^{2} + x - 1) (x^{2} - x - 1)}$$

Sequence: A333599
Score: 5.13338
Type of gen. func.: ogf

$\{-a(n + 5) - a(n + 4) + 3 a(n + 3) + 3 a(n + 2) - a(n + 1) - a(n), a(0) = 0,$
$a(1) = 1, a(2) = 2, a(3) = 1, a(4) = 7\}$

Sequence: A333599
Score: 9.40159
Type of gen. func.: ogf

$$-\frac{x (x^{3} - 3 x - 1)}{(x + 1) (x^{2} + x - 1) (x^{2} - x - 1)}$$

Sequence: A333616
Score: 11.0146
Type of gen. func.: ogf

$$-\frac{x (2 x^{5} - x^{4} - 4 x^{3} + x^{2} + 2 x + 1)}{(x + 1)^{2} (x - 1)^{3}}$$

Sequence: A333616
Score: 4.30522
Type of gen. func.: ogf

$\{a(n + 7) - a(n + 6) - 2 a(n + 5) + 2 a(n + 4) + a(n + 3) - a(n + 2), a(0) = 0,$

a(1) = 1, a(2) = 3, a(3) = 6, a(4) = 6, a(5) = 10, a(6) = 10}

Sequence: A333616
Score: 9.97797
Type of gen. func.: ogf

$$-\frac{x\,(2x^5 - x^4 - 4x^3 + x^2 + 2x + 1)}{(x+1)^2\,(x-1)^3}$$

Sequence: A333637
Score: 16.9143
Type of gen. func.: ogf

$$\frac{x^3\,(x^2+1)\,(2x^2 - x - 2)}{(x-1)^3}$$

Sequence: A333637
Score: 19.4674
Type of gen. func.: ogf

$$\frac{x^3\,(x^2+1)\,(2x^2 - x - 2)}{(x-1)^3}$$

Sequence: A333641
Score: 5.28525
Type of gen. func.: ogf

$$-\frac{x\,(x^6 + 195x^5 + 29045x^4 + 394670x^3 + 29045x^2 + 195x + 1)}{(x-1)\,(x^6 - 1331714x^3 + 1)}$$

Sequence: A333641
Score: 5.6376
Type of gen. func.: ogf

$$-\frac{x (x^6 + 195 x^5 + 29045 x^4 + 394670 x^3 + 29045 x^2 + 195 x + 1)}{(x - 1) (x^6 - 1331714 x^3 + 1)}$$

Sequence: A333657
Score: 8.0451
Type of gen. func.: ogf

$$\frac{x^2 (20 x^8 - 20 x^7 + 7 x^6 - 7 x^5 + 12 x^4 + 23 x^3 - 7 x^2 - 22 x - 8)}{x - 1}$$

Sequence: A333657
Score: 8.76022
Type of gen. func.: ogf

$$\frac{x^2 (20 x^8 - 20 x^7 + 7 x^6 - 7 x^5 + 12 x^4 + 23 x^3 - 7 x^2 - 22 x - 8)}{x - 1}$$

Sequence: A333686
Score: 3.9813
Type of gen. func.: ogf

$$\{a(n + 6) - 10 a(n + 5) - 10 a(n + 4) + 10 a(n + 2) + 10 a(n + 1) - a(n),$$
$$a(0) = 1, a(1) = 10, a(2) = 101, a(3) = 1105, a(4) = 12046, a(5) = 131399\}$$

Sequence: A333686
Score: 6.36355
Type of gen. func.: ogf

$$\frac{(x^2 + 3 x - 1) (x^3 + x^2 + 3 x + 1)}{(x - 1) (x + 1) (x^2 - 11 x + 1) (x^2 + x + 1)}$$

Sequence: A333686
Score: 6.81012
Type of gen. func.: ogf

$$\frac{(x^2 + 3 x - 1) (x^3 + x^2 + 3 x + 1)}{(x - 1) (x + 1) (x^2 - 11 x + 1) (x^2 + x + 1)}$$

Sequence: A333714
Score: 18.0415
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 - 4 x - 1)}{(x - 1)^3}$$

Sequence: A333714
Score: 21.2489
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 - 4 x - 1)}{(x - 1)^3}$$

Sequence: A333714
Score: 7.5889
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 8, a(2) = 24,

a(3) = 48}

Sequence: A333714
Score: 9.85774
Type of gen. func.: ogf

$$f(x) x^3 - 3 f(x) x^2 - x^3 + 3 f(x) x + 3 x^2 - f(x) + 5 x + 1$$

Sequence: A333718
Score: 15.8906
Type of gen. func.: ogf

$$x - 1$$

```
                                   - -------------
                                        2
                                       x  - 47 x + 1
```

Sequence: A333718
Score: 19.236
Type of gen. func.: ogf

```
                                           x - 1
                                   - -------------
                                        2
                                       x  - 47 x + 1
```

Sequence: A333718
Score: 7.85988
Type of gen. func.: ogf

```
                                              2
             -(540 f(x) - 11) (f(x) x  - 47 f(x) x + f(x) + x - 1)
```

Sequence: A333718
Score: 9.61801
Type of gen. func.: ogf

```
              {a(n + 2) - 47 a(n + 1) + a(n), a(0) = 1, a(1) = 46}
```

Sequence: A333760
Score: 15.403
Type of gen. func.: ogf

```
                                              1
                             - -------------------------
                                 4      3      2
                                x  - 3 x  + 2 x  + 3 x - 1
```

Sequence: A333760
Score: 18.4085
Type of gen. func.: ogf

```
                                              1
                             - -------------------------
                                 4      3      2
                                x  - 3 x  + 2 x  + 3 x - 1
```

Sequence: A333760
Score: 5.54961
Type of gen. func.: ogf

$$\{-a(n+4) + 3 a(n+3) + 2 a(n+2) - 3 a(n+1) + a(n), a(0) = 1, a(1) = 3, a(2) = 11, a(3) = 36\}$$

Sequence: A333760
Score: 6.34241
Type of gen. func.: ogf

$$(67 f(x) + 22) (f(x) x^4 - 3 f(x) x^3 + 2 f(x) x^2 + 3 f(x) x - f(x) + 1)$$

Sequence: A333772
Score: 3.58974
Type of gen. func.: ogf

$$\{2 a(n+1) n^3 + 18 a(n+1) n^2 - a(n+2) n + 54 a(n+1) n - 2 a(n+2) + 54 a(n+1), a(0) = 2, a(1) = 32\}$$

Sequence: A333833
Score: 8.66072
Type of gen. func.: ogf

$$-\frac{2 x^8 + 4 x^7 + 2 x^6 + x^5 + 5 x^4 + 4 x^3 + x^2 + 1}{x^4 + x - 1}$$

Sequence: A333833
Score: 9.43921
Type of gen. func.: ogf

$$-\frac{2 x^8 + 4 x^7 + 2 x^6 + x^5 + 5 x^4 + 4 x^3 + x^2 + 1}{x^4 + x - 1}$$

Sequence: A333841
Score: 3.7271
Type of gen. func.: ogf

$$-\frac{x\,(x^{6} - x^{4} - 1)}{(x - 1)^{2}}$$

Sequence: A333841
Score: 4.38969
Type of gen. func.: ogf

$$-\frac{x\,(x^{6} - x^{4} - 1)}{(x - 1)^{2}}$$

Sequence: A333881
Score: 8.55771
Type of gen. func.: lgdegf]

$$1/3 \exp(x) + 2/3 \exp(- x/2) \cos\left(\frac{3^{1/2}\, x}{2}\right)$$

Sequence: A333886
Score: 5.97615
Type of gen. func.: ogf

$$-\frac{x^{10} - x^{9} + 6\,x^{8} + 12\,x^{6} + x^{5} + 9\,x^{4} - x^{3} + 4\,x^{2} - 2\,x + 1}{(x^{2} + 1)\,(x + 1)^{2}\,(x^{2} + x + 1)^{2}\,(x - 1)^{7}}$$

Sequence: A333886
Score: 6.31048
Type of gen. func.: ogf

$$-\frac{x^{10} - x^{9} + 6\,x^{8} + 12\,x^{6} + x^{5} + 9\,x^{4} - x^{3} + 4\,x^{2} - 2\,x + 1}{(x^{2} + 1)\,(x + 1)^{2}\,(x^{2} + x + 1)^{2}\,(x - 1)^{7}}$$

Sequence: A333897
Score: 6.86871
Type of gen. func.: ogf

$$- \frac{(x^4 + x^3 + x^2 + x + 1)\,(x^6 + x^4 + 2\,x^3 + x^2 + 1)}{(x^2 + x + 1)^2\,(x + 1)^3\,(x - 1)^7}$$

Sequence: A333897
Score: 7.30831
Type of gen. func.: ogf

$$- \frac{(x^4 + x^3 + x^2 + x + 1)\,(x^6 + x^4 + 2\,x^3 + x^2 + 1)}{(x^2 + x + 1)^2\,(x + 1)^3\,(x - 1)^7}$$

Sequence: A333905
Score: 15.5564
Type of gen. func.: ogf

$$\frac{4\,x^7 + 2\,x^5 + x^4 - x^2 - 2\,x - 1}{2\,x^2 - 1}$$

Sequence: A333905
Score: 17.5965
Type of gen. func.: ogf

$$\frac{4\,x^7 + 2\,x^5 + x^4 - x^2 - 2\,x - 1}{2\,x^2 - 1}$$

Sequence: A333994
Score: 8.33849
Type of gen. func.: ogf

$$- \frac{2\,x^{15} + 2\,x^{11} - 4\,x^9 + 4\,x^8 - 4\,x^7 - 4\,x^4 - 2\,x^3 - x^2 - 1}{}$$

$$(x - 1)^2$$

Sequence: A333994
Score: 9.07155
Type of gen. func.: ogf

$$- \frac{2 x^{15} + 2 x^{11} - 4 x^{9} + 4 x^{8} - 4 x^{7} - 4 x^{4} - 2 x^{3} - x^{2} - 1}{(x - 1)^2}$$

Sequence: A334000
Score: 2.58649
Type of gen. func.: ogf

$$\{4 a(n + 1) n^3 - 4 a(n + 2) n^2 + 32 a(n + 1) n^2 + a(n + 3) n - 22 a(n + 2) n + 85 a(n + 1) n + 2 a(n + 3) - 29 a(n + 2) + 75 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 11\}$$

Sequence: A334000
Score: 5.03477
Type of gen. func.: egf]

$$-1/4 \frac{2 I \ln(2 x - 1) x - \ln(2 x - 1) I - 6 I x + 2 Pi x - Pi}{(2 x - 1)^{5/2}}$$

Sequence: A334041
Score: 5.5415
Type of gen. func.: ogf

$$\{-a(n + 6) + 2 a(n + 4) + a(n + 3) - 2 a(n + 1), a(0) = 2, a(1) = 3, a(2) = 5, a(3) = 7, a(4) = 11, a(5) = 13\}$$

Sequence: A334041
Score: 7.91643
Type of gen. func.: ogf

5 4 3 2

$$-\frac{2 x + 2 x + x - x - 3 x - 2}{(x - 1) (x^2 + x + 1) (2 x^2 - 1)}$$

Sequence: A334041
Score: 8.56933
Type of gen. func.: ogf

$$-\frac{2 x^5 + 2 x^4 + x^3 - x^2 - 3 x - 2}{(x - 1) (x^2 + x + 1) (2 x^2 - 1)}$$

Sequence: A334047
Score: 2.93918
Type of gen. func.: ogf

$\{-a(n + 6) + 4 a(n + 5) - 6 a(n + 4) + 6 a(n + 3) - 5 a(n + 2) + 3 a(n + 1)$

$- a(n), a(0) = 0, a(1) = 0, a(2) = 6, a(3) = 16, a(4) = 35, a(5) = 78\}$

Sequence: A334047
Score: 5.67465
Type of gen. func.: ogf

$$-\frac{x^2 (2 x^3 - 7 x^2 + 8 x - 6)}{(x - 1) (x^5 - 2 x^4 + 3 x^3 - 3 x^2 + 3 x - 1)}$$

Sequence: A334047
Score: 6.16279
Type of gen. func.: ogf

$$-\frac{x^2 (2 x^3 - 7 x^2 + 8 x - 6)}{(x - 1) (x^5 - 2 x^4 + 3 x^3 - 3 x^2 + 3 x - 1)}$$

Sequence: A334066
Score: 4.85725
Type of gen. func.: egf]

$$\frac{1}{4}\,\frac{2 I \ln(2 x - 1) x + 2 \mathrm{Pi}\, x - \ln(2 x - 1) I - 2 I x - \mathrm{Pi} + 4 I}{(2 x - 1)^{5/2}}$$

Sequence: A334135
Score: 10.0149
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^2 - 6 x + 1)}{x^4 - 14 x^3 + 34 x^2 - 14 x + 1}$$

Sequence: A334135
Score: 5.17776
Type of gen. func.: ogf

$$(83860 f(x) + 4713) (f(x) x^4 - 14 f(x) x^3 + 34 f(x) x^2 + x^3 - 14 f(x) x - 7 x^2 + f(x) + 7 x - 1)$$

Sequence: A334135
Score: 5.43665
Type of gen. func.: ogf

$$\{a(n + 4) - 14 a(n + 3) + 34 a(n + 2) - 14 a(n + 1) + a(n), a(0) = 1, a(1) = 7, a(2) = 71, a(3) = 769\}$$

Sequence: A334135
Score: 9.06108
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^2 - 6 x + 1)}{x^4 - 14 x^3 + 34 x^2 - 14 x + 1}$$

Sequence: A334155
Score: 3.1099
Type of gen. func.: egf]

$$- (\exp(-1) \exp(x) \mathrm{Ei}(1, -1) x - \exp(-1) \exp(x) \mathrm{Ei}(1, -1) - \mathrm{Ei}(1, x - 1) \exp(x - 1) x + \mathrm{Ei}(1, x - 1) \exp(x - 1) + \exp(x) x - \exp(x) + 2)/(x - 1)$$

Sequence: A334157
Score: 9.83599
Type of gen. func.: lgdegf]

$$\frac{x^4 - 4 x^3 + x - 2}{x^4 + x - 1}$$

Sequence: A334179
Score: 4.47319
Type of gen. func.: ogf

$$- \frac{(x - 1) (x^6 - 33 x^5 + 243 x^4 - 466 x^3 + 243 x^2 - 33 x + 1)}{x^8 - 52 x^7 + 673 x^6 - 2548 x^5 + 3856 x^4 - 2548 x^3 + 673 x^2 - 52 x + 1}$$

Sequence: A334179
Score: 4.69685
Type of gen. func.: ogf

$$- \frac{(x - 1) (x^6 - 33 x^5 + 243 x^4 - 466 x^3 + 243 x^2 - 33 x + 1)}{x^8 - 52 x^7 + 673 x^6 - 2548 x^5 + 3856 x^4 - 2548 x^3 + 673 x^2 - 52 x + 1}$$

Sequence: A334191
Score: 22.1444
Type of gen. func.: lgdegf]

$$1 - \exp(3 x)$$

Sequence: A334199
Score: 6.12661
Type of gen. func.: ogf

$$\frac{140 x^{16} + 20 x^{12} + 6 x^{8} + x^{6} - 7 x^{4} - 5 x^{3} - 3 x^{2} - 2 x - 1}{11 x^{5} - 1}$$

Sequence: A334199
Score: 6.66521
Type of gen. func.: ogf

$$\frac{140 x^{16} + 20 x^{12} + 6 x^{8} + x^{6} - 7 x^{4} - 5 x^{3} - 3 x^{2} - 2 x - 1}{11 x^{5} - 1}$$

Sequence: A334244
Score: 5.03052
Type of gen. func.: ogf

{a(n + 6) - 64 a(n + 4) - a(n + 2) + 64 a(n), a(0) = 1, a(1) = 15, a(2) = 81,

a(3) = 959, a(4) = 5185, a(5) = 61391}

Sequence: A334244
Score: 7.19317
Type of gen. func.: ogf

$$- \frac{x^{3} - 17 x^{2} - 15 x - 1}{(x - 1) (8 x + 1) (8 x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A334244
Score: 7.77444
Type of gen. func.: ogf

$$- \frac{x^{3} - 17 x^{2} - 15 x - 1}{(x - 1) (8 x + 1) (8 x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A334258
Score: 9.51413

Type of gen. func.: revegf]

$$(\mathrm{Pi} + \ln(x - 1)\ I)\ \exp(-x)\ I$$

Sequence: A334277
Score: 10.9746
Type of gen. func.: ogf

$$\{a(n + 2) - 4\ a(n + 1) + a(n),\ a(0) = 12,\ a(1) = 42\}$$

Sequence: A334277
Score: 18.5349
Type of gen. func.: ogf

$$-\frac{6\ (x - 2)}{x^2 - 4\ x + 1}$$

Sequence: A334277
Score: 22.5425
Type of gen. func.: ogf

$$-\frac{6\ (x - 2)}{x^2 - 4\ x + 1}$$

Sequence: A334277
Score: 9.26747
Type of gen. func.: ogf

$$-(4\ f(x) + 1)\ (f(x)\ x^2 - 4\ f(x)\ x + f(x) + 6\ x - 12)$$

Sequence: A334281
Score: 11.0361
Type of gen. func.: ogf

$$-\frac{24\ x^4\ (1001\ x^4 + 536\ x^3 + 126\ x^2 + 16\ x + 1)}{(x - 1)^9}$$

Sequence: A334281
Score: 2.96089
Type of gen. func.: ogf

$$\{a(n + 2) n^2 - a(n + 1) n^2 + a(n + 3) n - 4 a(n + 2) n - 5 a(n + 1) n - a(n + 3) - 21 a(n + 2) - 6 a(n + 1), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 24\}$$

Sequence: A334281
Score: 9.84297
Type of gen. func.: ogf

$$- \frac{24 x^4 (1001 x^4 + 536 x^3 + 126 x^2 + 16 x + 1)}{(x - 1)^9}$$

Sequence: A334293
Score: 14.3208
Type of gen. func.: ogf

$$\frac{x^2 + 2 x - 1}{x^3 + 3 x^2 + 2 x - 1}$$

Sequence: A334293
Score: 16.6589
Type of gen. func.: ogf

$$\frac{x^2 + 2 x - 1}{x^3 + 3 x^2 + 2 x - 1}$$

Sequence: A334293
Score: 7.92512
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 3 a(n + 1) + a(n), a(0) = 1, a(1) = 0, a(2) = 2\}$$

Sequence: A334293
Score: 9.17177
Type of gen. func.: ogf

$$f(x)\,x^{3} + 3\,f(x)\,x^{2} + 2\,f(x)\,x - x^{2} - f(x) - 2\,x + 1$$

Sequence: A334320
Score: 12.8235
Type of gen. func.: ogf

$$-\frac{x^{2}\,(x^{3} + 2\,x^{2} + 1)}{(x + 1)^{2}\,(x - 1)^{3}}$$

Sequence: A334320
Score: 14.6233
Type of gen. func.: ogf

$$-\frac{x^{2}\,(x^{3} + 2\,x^{2} + 1)}{(x + 1)^{2}\,(x - 1)^{3}}$$

Sequence: A334320
Score: 4.57981
Type of gen. func.: ogf

$\{-a(n + 6) + a(n + 5) + 2\,a(n + 4) - 2\,a(n + 3) - a(n + 2) + a(n + 1),\ a(0) = 0,$

$a(1) = 0,\ a(2) = 1,\ a(3) = 1,\ a(4) = 5,\ a(5) = 6\}$

Sequence: A334340
Score: 5.69897
Type of gen. func.: ogf

$$-\frac{1856\,x^{6} - 624\,x^{5} - 40\,x^{4} + 3\,x^{3} - 23\,x^{2} + 3\,x + 1}{(x - 1)\,(4\,x - 1)\,(8\,x - 1)\,(4\,x + 1)\,(x + 1)\,(x^{2} + 1)}$$

Sequence: A334340
Score: 6.02463
Type of gen. func.: ogf

$$-\frac{1856 x^{6} - 624 x^{5} - 40 x^{4} + 3 x^{3} - 23 x^{2} + 3 x + 1}{(x - 1) (4 x - 1) (8 x - 1) (4 x + 1) (x + 1) (x^{2} + 1)}$$

Sequence: A334356
Score: 8.89117
Type of gen. func.: ogf

$$-\frac{x (54 x^{6} + 209 x^{5} + 330 x^{4} + 185 x^{3} + 55 x^{2} + 6 x + 1)}{(x - 1)^{9}}$$

Sequence: A334356
Score: 9.76931
Type of gen. func.: ogf

$$-\frac{x (54 x^{6} + 209 x^{5} + 330 x^{4} + 185 x^{3} + 55 x^{2} + 6 x + 1)}{(x - 1)^{9}}$$

Sequence: A334396
Score: 12.5913
Type of gen. func.: ogf

$$\frac{2 x^{2}}{(x^{2} + 2 x - 1) (x^{2} - x - 1)}$$

Sequence: A334396
Score: 14.647
Type of gen. func.: ogf

$$2 x^{2}$$

```
                          ---------------------------
                            2              2
                          (x  + 2 x - 1) (x  - x - 1)



------------------------------------------------------------------------------

Sequence:  A334396
Score: 5.43715
Type of gen. func.: ogf


{a(n + 4) - a(n + 3) - 4 a(n + 2) + a(n + 1) + a(n), a(0) = 0, a(1) = 0,

    a(2) = 2, a(3) = 2}



------------------------------------------------------------------------------

Sequence:  A334396
Score: 7.24953
Type of gen. func.: ogf


                    4         3           2                2
             -f(x) x  - f(x) x  + 4 f(x) x  + f(x) x + 2 x  - f(x)



------------------------------------------------------------------------------

Sequence:  A334501
Score: 6.17666
Type of gen. func.: ogf


               10    9      7      6      5      4      3    2
            2 x   + x  + 4 x  - 5 x  - 4 x  - 3 x  - 4 x  - x  - x - 1
          - ----------------------------------------------------------
                                  2        2   2     2
                           (x - 1)  (x + 1)  (x  + 1)



------------------------------------------------------------------------------

Sequence:  A334501
Score: 6.58169
Type of gen. func.: ogf


               10    9      7      6      5      4      3    2
            2 x   + x  + 4 x  - 5 x  - 4 x  - 3 x  - 4 x  - x  - x - 1
          - ----------------------------------------------------------
                                  2        2   2     2
                           (x - 1)  (x + 1)  (x  + 1)



------------------------------------------------------------------------------

Sequence:  A334502
Score: 8.06454
Type of gen. func.: ogf


                13       12       7       6      5      4      3
            23 x   - 23 x   + 11 x  - 11 x  + 2 x  + 3 x  - 7 x  - 1
            --------------------------------------------------------
```

$$x - 1$$

Sequence: A334502
Score: 8.84184
Type of gen. func.: ogf

$$\frac{23 x^{13} - 23 x^{12} + 11 x^{7} - 11 x^{6} + 2 x^{5} + 3 x^{4} - 7 x^{3} - 1}{x - 1}$$

Sequence: A334503
Score: 6.75702
Type of gen. func.: ogf

$$(29 x^{16} - 29 x^{15} + 17 x^{10} - 17 x^{9} + 13 x^{8} - 2 x^{7} - 11 x^{6} + 5 x^{4} - 5 x^{3} - 2 x^{2} - 1)/(x - 1)$$

Sequence: A334503
Score: 7.24844
Type of gen. func.: ogf

$$(29 x^{16} - 29 x^{15} + 17 x^{10} - 17 x^{9} + 13 x^{8} - 2 x^{7} - 11 x^{6} + 5 x^{4} - 5 x^{3} - 2 x^{2} - 1)/(x - 1)$$

Sequence: A334509
Score: 5.00112
Type of gen. func.: ogf

$$- (10 x^{13} + 5 x^{12} + 2 x^{11} + 10 x^{10} - 18 x^{9} - 8 x^{8} - 4 x^{7} - 24 x^{6} + 2 x^{5} - 11 x^{4} - 2 x^{3} - 2 x^{2} - 2 x - 2) \Big/ ((x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2})$$

Sequence: A334509
Score: 5.24808
Type of gen. func.: ogf

$$- (10 x^{13} + 5 x^{12} + 2 x^{11} + 10 x^{10} - 18 x^{9} - 8 x^{8} - 4 x^{7} - 24 x^{6} + 2 x^{5} - 11 x^{4}$$

$$- 2 x^{3} - 2 x^{2} - 2 x - 2) / ((x - 1)^{2} (x + 1)^{2} (x^{2} + 1)^{2})$$

Sequence: A334511
Score: 6.12243
Type of gen. func.: ogf

$$- (5 x^{13} - 14 x^{11} + 9 x^{10} + 10 x^{9} - 10 x^{8} + 4 x^{7} - 3 x^{6} - 7 x^{5} + 2 x^{3} + 2 x^{2} - 2 x - 2) / ((x - 1)^{2} (x + 1)^{2})$$

Sequence: A334511
Score: 6.5081
Type of gen. func.: ogf

$$- (5 x^{13} - 14 x^{11} + 9 x^{10} + 10 x^{9} - 10 x^{8} + 4 x^{7} - 3 x^{6} - 7 x^{5} + 2 x^{3} + 2 x^{2} - 2 x - 2) / ((x - 1)^{2} (x + 1)^{2})$$

Sequence: A334513
Score: 7.305
Type of gen. func.: ogf

$$- \frac{9 x^{10} - 18 x^{9} + 2 x^{8} + 11 x^{7} - 6 x^{6} + 13 x^{5} - 14 x^{4} + 2 x^{3} - x^{2} + 2 x - 2}{(x - 1)^{2}}$$

Sequence: A334513
Score: 7.85632
Type of gen. func.: ogf

$$- \frac{9 x^{10} - 18 x^{9} + 2 x^{8} + 11 x^{7} - 6 x^{6} + 13 x^{5} - 14 x^{4} + 2 x^{3} - x^{2} + 2 x - 2}{(x - 1)^{2}}$$

Sequence: A334551
Score: 4.55501
Type of gen. func.: ogf

$$\left(8 I x^{3} - 24 I x^{2} + 8 (4 x - 1)^{1/2} x^{2} + 24 I x - 9 (4 x - 1)^{1/2} x - 8 I + 7 (4 x - 1)^{1/2}\right) \Big/ \left((4 x - 1)^{1/2} (x - 1)^{3}\right)$$

Sequence: A334559
Score: 6.08428
Type of gen. func.: ogf

$$- \frac{9 x^{10} - 9 x^{9} - 9 x^{8} + 7 x^{7} - 12 x^{6} + 19 x^{5} + 10 x^{4} - x^{3} + x^{2} + 1}{(x^{2} + 1) (x + 1)^{2} (x - 1)^{3}}$$

Sequence: A334559
Score: 6.4616
Type of gen. func.: ogf

$$- \frac{9 x^{10} - 9 x^{9} - 9 x^{8} + 7 x^{7} - 12 x^{6} + 19 x^{5} + 10 x^{4} - x^{3} + x^{2} + 1}{(x^{2} + 1) (x + 1)^{2} (x - 1)^{3}}$$

Sequence: A334562
Score: 24.3427
Type of gen. func.: lgdegf]

$$-3 x^{2} - 2 x - 1$$

Sequence: A334562
Score: 3.81847
Type of gen. func.: ogf

$$\{3 a(n + 1) n^{2} + 2 a(n + 2) n + 15 a(n + 1) n + a(n + 4) + a(n + 3) + 6 a(n + 2) + 18 a(n + 1), a(0) = 1, a(1) = -1, a(2) = -1, a(3) = -1\}$$

Sequence: A334563
Score: 20.5254
Type of gen. func.: ogf

$$\frac{x^4 (2 x^2 - 3)}{(x - 1)^3}$$

Sequence: A334563
Score: 25.5012
Type of gen. func.: ogf

$$\frac{x^4 (2 x^2 - 3)}{(x - 1)^3}$$

Sequence: A334563
Score: 5.36013
Type of gen. func.: ogf

$\{-a(n + 7) + 3 a(n + 6) - 3 a(n + 5) + a(n + 4), a(0) = 0, a(1) = 0, a(2) = 0,$

$a(3) = 0, a(4) = 3, a(5) = 9, a(6) = 16\}$

Sequence: A334564
Score: 21.0987
Type of gen. func.: lgdegf]

$$-4 x^3 - 3 x^2 - 2 x - 1$$

Sequence: A334565
Score: 17.7682
Type of gen. func.: lgdegf]

$$-5 x^4 - 4 x^3 - 3 x^2 - 2 x - 1$$

Sequence: A334569
Score: 23.2768
Type of gen. func.: lgdegf]

$$-x^2 - x - 1$$

Sequence: A334569
Score: 3.7243
Type of gen. func.: ogf

$$\{-a(n + 1) n^2 - a(n + 2) n - 5 a(n + 1) n - a(n + 4) - a(n + 3) - 3 a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = -1, a(2) = 0, a(3) = 0\}$$

Sequence: A334570
Score: 16.9569
Type of gen. func.: lgdegf]

$$-(x + 1) (x^2 + 1)$$

Sequence: A334571
Score: 17.7714
Type of gen. func.: lgdegf]

$$-x^4 - x^3 - x^2 - x - 1$$

Sequence: A334571
Score: 3.79584
Type of gen. func.: egf]

$$\{-a(n + 6) n - 6 a(n + 6) - a(n + 5) - a(n + 4) - a(n + 3) - a(n + 2) - a(n + 1), a(0) = 1, a(1) = -1, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 0\}$$

Sequence: A334601
Score: 2.28641
Type of gen. func.: ogf

$$-(f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A334603
Score: 15.711
Type of gen. func.: ogf

$$\{a(n+1) - 11 a(n), a(0) = 2\}$$

Sequence: A334603
Score: 16.8332
Type of gen. func.: ogf

$$-11 f(x) x + f(x) - 2$$

Sequence: A334603
Score: 27.192
Type of gen. func.: ogf

$$-\frac{2}{11 x - 1}$$

Sequence: A334603
Score: 39.2774
Type of gen. func.: ogf

$$-\frac{2}{11 x - 1}$$

Sequence: A334625
Score: 6.38128
Type of gen. func.: ogf

$$-\frac{3 (x^{12} - x^{10} - x^6 - 1)}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A334625
Score: 6.87691
Type of gen. func.: ogf

$$3 (x^{12} - x^{10} - x^6 - 1)$$

$$- \frac{}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A334638
Score: 8.8527
Type of gen. func.: ogf

$$- \frac{4 x^8 + 4 x^7 - 6 x^5 - 8 x^4 + 5 x^2 + 4 x + 3}{(x - 1) (4 x^3 - 1) (2 x^3 - 1) (x^2 + x + 1)}$$

Sequence: A334638
Score: 9.43801
Type of gen. func.: ogf

$$- \frac{4 x^8 + 4 x^7 - 6 x^5 - 8 x^4 + 5 x^2 + 4 x + 3}{(x - 1) (4 x^3 - 1) (2 x^3 - 1) (x^2 + x + 1)}$$

Sequence: A334642
Score: 4.59502
Type of gen. func.: ogf

$$-f(x)^3 x - 6 f(x)^2 x^2 - 12 f(x) x^3 - 8 x^4 + f(x)^2 x - 4 f(x) x^2 - 20 x^3$$
$$- f(x) x - 6 x^2 + f(x) - 3 x$$

Sequence: A334656
Score: 13.351
Type of gen. func.: ogf

$$\frac{2 x^2 - 1}{(3 x - 1) (3 x^2 + 3 x + 1)}$$

Sequence: A334656
Score: 15.5308
Type of gen. func.: ogf

$$\frac{2 x^{2} - 1}{(3 x - 1) (3 x^{2} + 3 x + 1)}$$

Sequence: A334656
Score: 7.84545
Type of gen. func.: ogf

$$(10143 f(x) - 14239) (9 f(x) x^{3} + 6 f(x) x^{2} - 2 x^{2} - f(x) + 1)$$

Sequence: A334656
Score: 8.95305
Type of gen. func.: ogf

$$\{-a(n + 3) + 6 a(n + 1) + 9 a(n), a(0) = 1, a(1) = 0, a(2) = 4\}$$

Sequence: A334670
Score: 8.34072
Type of gen. func.: egf]

$$\frac{(\ln(2) I + \ln(- 1/2 + x) I + Pi) 2^{1/2}}{(4 x - 2)^{3/2}}$$

Sequence: A334673
Score: 14.1333
Type of gen. func.: ogf

$$- \frac{x}{(x - 1) (x^{2} - 23 x + 1)}$$

Sequence: A334673
Score: 16.8254
Type of gen. func.: ogf

$$- \frac{x}{\phantom{(x - 1) (x^{2} - 23 x + 1)}}$$

$$(x - 1) (x^2 - 23 x + 1)$$

Sequence: A334673
Score: 6.66665
Type of gen. func.: ogf

$$\{a(n + 3) - 24 a(n + 2) + 24 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 24\}$$

Sequence: A334673
Score: 8.94513
Type of gen. func.: ogf

$$f(x) x^3 - 24 f(x) x^2 + 24 f(x) x - f(x) + x$$

Sequence: A334680
Score: 7.90656
Type of gen. func.: ogf

$$f(x)^3 x^3 + 3 f(x)^2 x^2 - f(x) x^2 + 5 f(x) x - x^2 - f(x) + 2 x$$

Sequence: A334694
Score: 19.6489
Type of gen. func.: ogf

$$\frac{x (x^3 - 6 x^2 + 3 x - 4)}{(x - 1)^5}$$

Sequence: A334694
Score: 23.142
Type of gen. func.: ogf

$$\frac{x (x^3 - 6 x^2 + 3 x - 4)}{(x - 1)^5}$$

Sequence: A334694
Score: 6.16207
Type of gen. func.: ogf

{a(n + 5) - 5 a(n + 4) + 10 a(n + 3) - 10 a(n + 2) + 5 a(n + 1) - a(n),

a(0) = 0, a(1) = 4, a(2) = 17, a(3) = 51, a(4) = 124}

Sequence: A334697
Score: 18.0607
Type of gen. func.: ogf

$$-\frac{35 x^3 + 123 x^2 + 45 x + 1}{(x - 1)^5}$$

Sequence: A334697
Score: 21.0094
Type of gen. func.: ogf

$$-\frac{35 x^3 + 123 x^2 + 45 x + 1}{(x - 1)^5}$$

Sequence: A334697
Score: 5.88263
Type of gen. func.: ogf

{a(n + 5) - 5 a(n + 4) + 10 a(n + 3) - 10 a(n + 2) + 5 a(n + 1) - a(n),

a(0) = 1, a(1) = 50, a(2) = 363, a(3) = 1360, a(4) = 3665}

Sequence: A334698
Score: 18.0607
Type of gen. func.: ogf

$$-\frac{31 x^3 + 135 x^2 + 33 x + 5}{(x - 1)^5}$$

Sequence: A334698
Score: 21.0094
Type of gen. func.: ogf

$$-\frac{31 x^3 + 135 x^2 + 33 x + 5}{(x - 1)^5}$$

Sequence: A334698
Score: 5.88263
Type of gen. func.: ogf

$\{a(n + 5) - 5 a(n + 4) + 10 a(n + 3) - 10 a(n + 2) + 5 a(n + 1) - a(n),$

$a(0) = 5, a(1) = 58, a(2) = 375, a(3) = 1376, a(4) = 3685\}$

Sequence: A334706
Score: 10.5116
Type of gen. func.: ogf

$$\frac{4 (2 x^4 + 2 x^3 + x^2 + 1)}{(x + 1) (x^2 + x + 1) (x - 1)^4}$$

Sequence: A334706
Score: 9.56677
Type of gen. func.: ogf

$$\frac{4 (2 x^4 + 2 x^3 + x^2 + 1)}{(x + 1) (x^2 + x + 1) (x - 1)^4}$$

Sequence: A334707
Score: 6.13325
Type of gen. func.: ogf

$$\frac{4 x (10 x^6 + 35 x^5 + 67 x^4 + 87 x^3 + 83 x^2 + 53 x + 25)}{(x + 1) (x^2 + 1) (x^2 + x + 1) (x - 1)^4}$$

Sequence: A334707
Score: 6.51658
Type of gen. func.: ogf

$$\frac{4 x (10 x^{6} + 35 x^{5} + 67 x^{4} + 87 x^{3} + 83 x^{2} + 53 x + 25)}{(x + 1) (x^{2} + 1) (x^{2} + x + 1) (x - 1)^{4}}$$

Sequence: A334716
Score: 9.86593
Type of gen. func.: egf]

$$- \frac{\exp(-x) x - \exp(-x) - x}{(x - 1)^{2}}$$

Sequence: A334771
Score: 4.32602
Type of gen. func.: ogf

$$- \frac{624 x^{7} + 2416 x^{6} + 176 x^{5} + 624 x^{4} - 599 x^{3} - 2359 x^{2} - 151 x - 543}{(x - 1) (2 x + 1) (2 x - 1) (x + 1) (4 x^{2} + 1) (x^{2} + 1)}$$

Sequence: A334771
Score: 4.53834
Type of gen. func.: ogf

$$- \frac{624 x^{7} + 2416 x^{6} + 176 x^{5} + 624 x^{4} - 599 x^{3} - 2359 x^{2} - 151 x - 543}{(x - 1) (2 x + 1) (2 x - 1) (x + 1) (4 x^{2} + 1) (x^{2} + 1)}$$

Sequence: A334776
Score: 2.93918
Type of gen. func.: ogf

$$\{-16 a(n + 1) n^{3} - 42 a(n) n^{3} - 120 a(n + 1) n^{2} - 147 a(n) n^{2} + 8 a(n + 2) n$$

$$- 279 a(n + 1) n - 126 a(n) n + 8 a(n + 2) - 280 a(n + 1), a(0) = 0,$$

a(1) = 3}

Sequence: A334785
Score: 7.24463
Type of gen. func.: revogf

$$\frac{x^2 + x - 3 + ((4 x + 9) (x^2 + 3 x + 1)^2)^{1/2}}{2 (x + 2)^4}$$

Sequence: A334786
Score: 5.26937
Type of gen. func.: revogf

$$((4 x + 9)^{1/2} x^2 + 2 x^3 + 2 (4 x + 9)^{1/2} x + 11 x^2 - (4 x + 9)^{1/2} + 16 x + 3) \Big/ (2 (x + 2)^5)$$

Sequence: A334789
Score: 18.3573
Type of gen. func.: ogf

$$- \frac{4 x^{15} + 2 x^3 + x + 1}{x - 1}$$

Sequence: A334789
Score: 21.5499
Type of gen. func.: ogf

$$- \frac{4 x^{15} + 2 x^3 + x + 1}{x - 1}$$

Sequence: A334855
Score: 6.50502
Type of gen. func.: revegf]

$$\frac{1}{2} I \exp(-x) (Pi + \ln(x - 1) I - \ln(x + 1) I)$$

Sequence: A334856
Score: 6.44365
Type of gen. func.: revegf]

$$\frac{1}{2} (2 I \ln(x + ((x - 1) (x + 1))^{1/2}) + Pi) \exp(-x)$$

Sequence: A334889
Score: 5.96705
Type of gen. func.: ogf

$$- \frac{x^3 (4 x^{33} + x^{32} + 3 x^{29} + 3 x^{25} + 3 x^{21} + x + 1)}{(x - 1) (x^4 + 1) (x^{32} + 1)}$$

Sequence: A334889
Score: 6.39711
Type of gen. func.: ogf

$$- \frac{x^3 (4 x^{33} + x^{32} + 3 x^{29} + 3 x^{25} + 3 x^{21} + x + 1)}{(x - 1) (x^4 + 1) (x^{32} + 1)}$$

Sequence: A334907
Score: 10.1124
Type of gen. func.: egf]

$$\frac{2^{1/2}}{(1 - 8 x)^{1/2} (1 + (1 - 8 x)^{1/2})^{1/2}}$$

Sequence: A334908
Score: 10.6146
Type of gen. func.: ogf

$$\frac{1}{(16 x - 1) (2 x + 1) (8 x + 1) (4 x - 1)}$$

Sequence: A334908
Score: 12.313
Type of gen. func.: ogf

$$\frac{1}{(16 x - 1) (2 x + 1) (8 x + 1) (4 x - 1)}$$

Sequence: A334908
Score: 4.15979
Type of gen. func.: ogf

$$\{a(n + 4) - 10 a(n + 3) - 120 a(n + 2) + 320 a(n + 1) + 1024 a(n), a(0) = 1,$$
$$a(1) = 10, a(2) = 220, a(3) = 3080\}$$

Sequence: A334908
Score: 4.56036
Type of gen. func.: ogf

$$-(10013 f(x) + 512)$$
$$(1024 f(x) x^4 + 320 f(x) x^3 - 120 f(x) x^2 - 10 f(x) x + f(x) - 1)$$

Sequence: A334909
Score: 10.4893
Type of gen. func.: ogf

$$\frac{5 x + 1}{(16 x - 1) (8 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A334909
Score: 4.33556
Type of gen. func.: ogf

$$(118586263551 f(x) + 21260315324)$$
$$(1024 f(x) x^4 - 960 f(x) x^3 + 280 f(x) x^2 - 30 f(x) x + f(x) - 5 x - 1)$$

Sequence: A334909
Score: 4.36466
Type of gen. func.: ogf

$$\{-a(n + 4) + 30 a(n + 3) - 280 a(n + 2) + 960 a(n + 1) - 1024 a(n), a(0) = 1, a(1) = 35, a(2) = 770, a(3) = 14260\}$$

Sequence: A334909
Score: 9.29048
Type of gen. func.: ogf

$$\frac{5 x + 1}{(16 x - 1) (8 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A334930
Score: 10.9665
Type of gen. func.: ogf

$$-\frac{8 x^{3} - 4 x^{2} - 11 x - 1}{(x - 1) (x + 1) (8 x^{2} - 1)}$$

Sequence: A334930
Score: 7.51406
Type of gen. func.: ogf

$$(5763 f(x) - 6449) (8 f(x) x^{4} - 9 f(x) x^{2} + 8 x^{3} - 4 x^{2} + f(x) - 11 x - 1)$$

Sequence: A334930
Score: 8.03483
Type of gen. func.: ogf

$$\{a(n + 4) - 9 a(n + 2) + 8 a(n), a(0) = 1, a(1) = 11, a(2) = 13, a(3) = 91\}$$

Sequence: A334930
Score: 9.89656
Type of gen. func.: ogf

3 2

$$-\frac{8 x - 4 x - 11 x - 1}{(x - 1) (x + 1) (8 x^{2} - 1)}$$

Sequence: A334932
Score: 5.15277
Type of gen. func.: ogf

$$(3941844972494 f(x) - 90221357515121)$$

$$(64 f(x) x^{4} - 65 f(x) x^{2} + 3648 x^{3} + 2496 x^{2} + f(x) - 3705 x - 2535)$$

Sequence: A334932
Score: 6.21886
Type of gen. func.: ogf

$$\{-a(n + 4) + 65 a(n + 2) - 64 a(n), a(0) = 2535, a(1) = 3705, a(2) = 162279, a(3) = 237177\}$$

Sequence: A334932
Score: 7.75686
Type of gen. func.: ogf

$$-\frac{3 (19 x + 13) (64 x^{2} - 65)}{(x - 1) (8 x - 1) (8 x + 1) (x + 1)}$$

Sequence: A334932
Score: 8.48691
Type of gen. func.: ogf

$$-\frac{3 (19 x + 13) (64 x^{2} - 65)}{(x - 1) (8 x - 1) (8 x + 1) (x + 1)}$$

Sequence: A334976
Score: 4.99722
Type of gen. func.: ogf

$$-f(x)^{3} x^{3} + 6 f(x)^{2} x^{3} - 3 f(x)^{2} x^{2} - 12 f(x) x^{3} + 21 f(x) x^{2} + 8 x^{3} - 9 f(x) x$$

$$- 3 x^2 + f(x)$$

Sequence: A334977
Score: 3.89885
Type of gen. func.: ogf

$$-f(x)^3 x^4 + 3 f(x)^2 x^4 - 9 f(x)^2 x^3 - 3 f(x) x^4 + 2 f(x)^2 x^2 + 18 f(x) x^3 + x^4 - 28 f(x) x^2 - 9 x^3 + 10 f(x) x - x^2 - f(x) + x$$

Sequence: A334991
Score: 14.7799
Type of gen. func.: ogf

$$- \frac{2 (15 x - 2)}{(18 x - 1) (4 x - 1)}$$

Sequence: A334991
Score: 17.5297
Type of gen. func.: ogf

$$- \frac{2 (15 x - 2)}{(18 x - 1) (4 x - 1)}$$

Sequence: A334991
Score: 7.85184
Type of gen. func.: ogf

$$-(175 f(x) + 141) (72 f(x) x^2 - 22 f(x) x + f(x) + 30 x - 4)$$

Sequence: A334991
Score: 9.7893
Type of gen. func.: ogf

$$\{a(n + 2) - 22 a(n + 1) + 72 a(n), a(0) = 4, a(1) = 58\}$$

Sequence: A334995
Score: 5.55679
Type of gen. func.: ogf

$$\frac{(x^4 - 5 x^3 + 74 x^2 + 5 x + 1) (x^2 + 1)}{(x^2 + 4 x - 1) (x^2 + 11 x - 1) (x^2 - 4 x - 1) (x^2 - x - 1)}$$

Sequence: A334995
Score: 5.88608
Type of gen. func.: ogf

$$\frac{(x^4 - 5 x^3 + 74 x^2 + 5 x + 1) (x^2 + 1)}{(x^2 + 4 x - 1) (x^2 + 11 x - 1) (x^2 - 4 x - 1) (x^2 - x - 1)}$$

Sequence: A335025
Score: 13.0335
Type of gen. func.: ogf

$$- \frac{3 x^2 - 10 x + 5}{(x - 1) (x^2 - 4 x + 1)}$$

Sequence: A335025
Score: 14.8313
Type of gen. func.: ogf

$$- \frac{3 x^2 - 10 x + 5}{(x - 1) (x^2 - 4 x + 1)}$$

Sequence: A335025
Score: 7.28994
Type of gen. func.: ogf

$$(1695 f(x) + 1327) (f(x) x^3 - 5 f(x) x^2 + 5 f(x) x + 3 x^2 - f(x) - 10 x + 5)$$

Sequence: A335025
Score: 8.11522
Type of gen. func.: ogf

$$\{-a(n + 3) + 5 a(n + 2) - 5 a(n + 1) + a(n), a(0) = 5, a(1) = 15, a(2) = 53\}$$

Sequence: A335026
Score: 4.48169
Type of gen. func.: egf]

$$- 3 (3 \ln(x + 1) x^3 + 9 \ln(x + 1) x^2 - 8 x^3 + 9 \ln(x + 1) x - 6 x^2 + 3 \ln(x + 1) - 6 x) / ((x + 1)^3 (x - 1)^4)$$

Sequence: A335026
Score: 4.90852
Type of gen. func.: ogf

$$\{-a(n + 1) n^2 - 10 a(n + 1) n + a(n + 3) - a(n + 2) - 25 a(n + 1), a(0) = 0, a(1) = 9, a(2) = 9\}$$

Sequence: A335047
Score: 7.71936
Type of gen. func.: ogf

$$- \frac{x (2 x^8 - 2 x^7 - 4 x^6 + 4 x^5 + 2 x^4 - 4 x^3 + x^2 + 2 x + 3)}{(x + 1) (x - 1)^3}$$

Sequence: A335047
Score: 8.3308
Type of gen. func.: ogf

$$- \frac{x (2 x^8 - 2 x^7 - 4 x^6 + 4 x^5 + 2 x^4 - 4 x^3 + x^2 + 2 x + 3)}{(x + 1) (x - 1)^3}$$

Sequence: A335048
Score: 12.0804
Type of gen. func.: ogf

$$-\frac{x\,(2\,x^{3} - 3\,x^{2} + 2\,x + 3)}{(x + 1)\,(x - 1)^{3}}$$

Sequence: A335048
Score: 13.6647
Type of gen. func.: ogf

$$-\frac{x\,(2\,x^{3} - 3\,x^{2} + 2\,x + 3)}{(x + 1)\,(x - 1)^{3}}$$

Sequence: A335048
Score: 6.08428
Type of gen. func.: ogf

$\{-a(n + 5) + 2\,a(n + 4) - 2\,a(n + 2) + a(n + 1),\ a(0) = 0,\ a(1) = 3,\ a(2) = 8,$

$a(3) = 13,\ a(4) = 22\}$

Sequence: A335048
Score: 6.4616
Type of gen. func.: ogf

$-(28\,f(x) + 15)$

$(f(x)\,x^{4} - 2\,f(x)\,x^{3} + 2\,x^{4} - 3\,x^{3} + 2\,f(x)\,x + 2\,x^{2} - f(x) + 3\,x)$

Sequence: A335077
Score: 5.61004
Type of gen. func.: ogf

$\{a(n + 6) - 5\,a(n + 5) + 4\,a(n + 4),\ a(0) = 1,\ a(1) = 11,\ a(2) = 39,\ a(3) = 543,$

$a(4) = 2391,\ a(5) = 9559\}$

Sequence: A335077
Score: 8.92506
Type of gen. func.: ogf

$$-\frac{224x^5+168x^4-392x^3+12x^2-6x-1}{(4x-1)(x-1)}$$

Sequence: A335077
Score: 9.81757
Type of gen. func.: ogf

$$-\frac{224x^5+168x^4-392x^3+12x^2-6x-1}{(4x-1)(x-1)}$$

Sequence: A335087
Score: 14.9758
Type of gen. func.: ogf

$$\frac{(x-1)(2x^2-1)}{(2x^2-4x+1)^2}$$

Sequence: A335087
Score: 17.4209
Type of gen. func.: ogf

$$\frac{(x-1)(2x^2-1)}{(2x^2-4x+1)^2}$$

Sequence: A335087
Score: 6.05406
Type of gen. func.: ogf

$$(40 f(x) + 13) (4 f(x) x^4 - 16 f(x) x^3 + 20 f(x) x^2 - 2 x^3 - 8 f(x) x + 2 x^2 + f(x) + x - 1)$$

Sequence: A335087
Score: 6.14116
Type of gen. func.: ogf

$$\{-a(n + 4) + 8 a(n + 3) - 20 a(n + 2) + 16 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 7, a(2) = 34, a(3) = 150\}$$

Sequence: A335111
Score: 3.66935
Type of gen. func.: ogf

$$\{-a(n + 2) n^2 - 2 a(n + 1) n^2 + a(n + 3) n - 3 a(n + 2) n - 10 a(n + 1) n + 2 a(n + 3) - 12 a(n + 1), a(0) = 0, a(1) = 1, a(2) = -2\}$$

Sequence: A335129
Score: 12.4847
Type of gen. func.: ogf

$$\frac{x (x^3 + x + 1)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A335129
Score: 14.2369
Type of gen. func.: ogf

$$\frac{x (x^3 + x + 1)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A335129
Score: 6.01115
Type of gen. func.: ogf

$$\{a(n + 5) - a(n + 4) - a(n + 2) + a(n + 1), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 2, a(4) = 4\}$$

Sequence: A335129
Score: 6.76255
Type of gen. func.: ogf

$$-(9 f(x) + 29) (f(x) x^4 - f(x) x^3 - x^4 - f(x) x - x^2 + f(x) - x)$$

Sequence: A335155
Score: 6.59539
Type of gen. func.: ogf

$$-\frac{x^{16} + x^{15} - x^{14} + x^{13} - x^{11} + x^{10} - x^8 + x^7 + x^6 - 2 x^3 - 3 x^2 - 2 x - 1}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A335155
Score: 6.94482
Type of gen. func.: ogf

$$-\frac{x^{16} + x^{15} - x^{14} + x^{13} - x^{11} + x^{10} - x^8 + x^7 + x^6 - 2 x^3 - 3 x^2 - 2 x - 1}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A335159
Score: 10.6785
Type of gen. func.: ogf

$$-\frac{11 x^3 + 6 x^2 + 8 x + 4}{(2 x - 1) (2 x + 1) (4 x^2 + 1)}$$

Sequence: A335159
Score: 7.98193
Type of gen. func.: ogf

$$(12759616 f(x) - 19231061) (16 f(x) x^4 + 11 x^3 + 6 x^2 - f(x) + 8 x + 4)$$

Sequence: A335159
Score: 9.63672
Type of gen. func.: ogf

$$-\frac{11 x^3 + 6 x^2 + 8 x + 4}{(2 x - 1) (2 x + 1) (4 x^2 + 1)}$$

Sequence: A335159
Score: 9.63672
Type of gen. func.: ogf

$$\{-a(n + 4) + 16 a(n), a(0) = 4, a(1) = 8, a(2) = 6, a(3) = 11\}$$

Sequence: A335160
Score: 10.078
Type of gen. func.: ogf

$$-\frac{13 x^3 + 11 x^2 + 12 x + 8}{(2 x - 1) (2 x + 1) (4 x^2 + 1)}$$

Sequence: A335160
Score: 7.36469
Type of gen. func.: ogf

$$(222312928 f(x) - 1574289947) (16 f(x) x^4 + 13 x^3 + 11 x^2 - f(x) + 12 x + 8)$$

Sequence: A335160
Score: 9.11819
Type of gen. func.: ogf

$$-\frac{13 x^3 + 11 x^2 + 12 x + 8}{(2 x - 1) (2 x + 1) (4 x^2 + 1)}$$

Sequence: A335160
Score: 9.11819

```
Type of gen. func.: ogf


        {-a(n + 4) + 16 a(n), a(0) = 8, a(1) = 12, a(2) = 11, a(3) = 13}



------------------------------------------------------------------------------

Sequence:  A335161
Score: 5.49567
Type of gen. func.: ogf


                7       6       5       4        3       2
           141 x  + 75 x  + 44 x  + 24 x  + 128 x  + 64 x  + 32 x + 16
         - ------------------------------------------------------------
                                           2            4
                   (2 x - 1) (2 x + 1) (4 x  + 1) (16 x  + 1)



------------------------------------------------------------------------------

Sequence:  A335161
Score: 5.82874
Type of gen. func.: ogf


                7       6       5       4        3       2
           141 x  + 75 x  + 44 x  + 24 x  + 128 x  + 64 x  + 32 x + 16
         - ------------------------------------------------------------
                                           2            4
                   (2 x - 1) (2 x + 1) (4 x  + 1) (16 x  + 1)



------------------------------------------------------------------------------

Sequence:  A335164
Score: 3.3705
Type of gen. func.: ogf


- (4 x + 1) (

       13      12      11      10       8    7      6      5    3      2
    3 x   + 2 x   + 3 x   + 3 x   + 2 x  + x  + 2 x  + 2 x  + x  + 3 x  + x + 1

        /            4    3    2            2
    )  /  ((x - 1) (x  + x  + x  + x + 1) (x  + x + 1)
      /

      8    7    5    4    3
    (x  - x  + x  - x  + x  - x + 1))



------------------------------------------------------------------------------

Sequence:  A335164
Score: 3.48623
Type of gen. func.: ogf


- (4 x + 1) (

       13      12      11      10       8    7      6      5    3      2
    3 x   + 2 x   + 3 x   + 3 x   + 2 x  + x  + 2 x  + 2 x  + x  + 3 x  + x + 1

        /            4    3    2            2
    )  /  ((x - 1) (x  + x  + x  + x + 1) (x  + x + 1)
     /

      8    7    5    4    3
    (x  - x  + x  - x  + x  - x + 1))
```

Sequence: A335167
Score: 8.23768
Type of gen. func.: ogf

$$-\frac{10 x^4 + 14 x^3 + 13 x^2 + 8 x + 1}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A335167
Score: 8.67124
Type of gen. func.: ogf

{a(n + 5) - a(n), a(0) = 1, a(1) = 8, a(2) = 13, a(3) = 14, a(4) = 10}

Sequence: A335167
Score: 8.954
Type of gen. func.: ogf

$$-\frac{10 x^4 + 14 x^3 + 13 x^2 + 8 x + 1}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A335169
Score: 8.04521
Type of gen. func.: ogf

$$-\frac{(x + 1) (8 x^3 + 5 x^2 + 9 x + 1)}{(x - 1) (x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A335169
Score: 8.55333
Type of gen. func.: ogf

$\{-a(n + 5) + a(n), a(0) = 1, a(1) = 10, a(2) = 14, a(3) = 13, a(4) = 8\}$

Sequence: A335169
Score: 8.73727
Type of gen. func.: ogf

$$-\frac{(x + 1)(8 x^3 + 5 x^2 + 9 x + 1)}{(x - 1)(x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A335184
Score: 19.7007
Type of gen. func.: ogf

$$-\frac{x^7}{(x^6 + x - 1)(x - 1)^2}$$

Sequence: A335184
Score: 23.5447
Type of gen. func.: ogf

$$-\frac{x^7}{(x^6 + x - 1)(x - 1)^2}$$

Sequence: A335206
Score: 16.4117
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1)^2}{(x^3 + x - 1)^2}$$

Sequence: A335206
Score: 19.614
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1)^2}{(x^3 + x - 1)^2}$$

Sequence: A335206
Score: 4.56918
Type of gen. func.: ogf

$\{a(n + 6) - 2 a(n + 5) + a(n + 4) - 2 a(n + 3) + 2 a(n + 2) + a(n), a(0) = 1, a(1) = 0, a(2) = 2, a(3) = 4, a(4) = 5, a(5) = 10\}$

Sequence: A335242
Score: 10.1773
Type of gen. func.: ogf

$$-f(x) x^3 + 2 x^3 - 2 f(x) x - 2 x^2 + f(x) + 2 x - 1$$

Sequence: A335242
Score: 14.1054
Type of gen. func.: ogf

$$\frac{2 x^3 - 2 x^2 + 2 x - 1}{x^3 + 2 x - 1}$$

Sequence: A335242
Score: 16.4084
Type of gen. func.: ogf

$$\frac{2 x^3 - 2 x^2 + 2 x - 1}{x^3 + 2 x - 1}$$

Sequence: A335242
Score: 7.65724
Type of gen. func.: ogf

$\{-a(n + 4) + 2 a(n + 3) + a(n + 1), a(0) = 1, a(1) = 0, a(2) = 2, a(3) = 3\}$

Sequence: A335274
Score: 13.3966
Type of gen. func.: ogf

$$-\frac{(2x+1)x}{x^3+2x-1}$$

Sequence: A335274
Score: 16.0105
Type of gen. func.: ogf

$$-\frac{(2x+1)x}{x^3+2x-1}$$

Sequence: A335274
Score: 7.72272
Type of gen. func.: ogf

$$\{-a(n+3)+2a(n+2)+a(n),\ a(0)=0,\ a(1)=1,\ a(2)=4\}$$

Sequence: A335274
Score: 9.79748
Type of gen. func.: ogf

$$-f(x)x^3-2f(x)x-2x^2+f(x)-x$$

Sequence: A335280
Score: 7.19224
Type of gen. func.: ogf

$$-\frac{x^{33}-3x^{32}+3x^{31}-x^{30}+x^{27}-x^{26}-3x^{25}+5x^{24}-2x^{23}-1}{(x-1)^2}$$

Sequence: A335280
Score: 7.73505
Type of gen. func.: ogf

$$-\frac{x^{33} - 3x^{32} + 3x^{31} - x^{30} + x^{27} - x^{26} - 3x^{25} + 5x^{24} - 2x^{23} - 1}{(x-1)^2}$$

Sequence: A335298
Score: 10.5378
Type of gen. func.: ogf

$$-\frac{x(x^4 + 2x^3 - 2x^2 + 2x + 1)}{(x^2+1)^2 (x-1)^3}$$

Sequence: A335298
Score: 11.6926
Type of gen. func.: ogf

$$-\frac{x(x^4 + 2x^3 - 2x^2 + 2x + 1)}{(x^2+1)^2 (x-1)^3}$$

Sequence: A335332
Score: 4.64593
Type of gen. func.: ogf

$$\frac{7168x^8 - 2304x^7 - 96x^6 + 12x^5 + 124x^4 - 39x^3 + 11x^2 - 3x - 1}{(x-1)(2x+1)(2x-1)(8x-1)(x+1)(x^2+1)}$$

Sequence: A335332
Score: 4.88267
Type of gen. func.: ogf

$$\frac{7168x^8 - 2304x^7 - 96x^6 + 12x^5 + 124x^4 - 39x^3 + 11x^2 - 3x - 1}{(x-1)(2x+1)(2x-1)(8x-1)(x+1)(x^2+1)}$$

Sequence: A335338
Score: 10.2213
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + 1676 x^3 + 11766 x^2 + 1676 x + 1)}{(x - 1)^6}$$

Sequence: A335338
Score: 11.373
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + 1676 x^3 + 11766 x^2 + 1676 x + 1)}{(x - 1)^6}$$

Sequence: A335344
Score: 2.93627
Type of gen. func.: ogf

$$\{a(n) n^3 - 3 a(n + 1) n^2 + 3 a(n) n^2 + 3 a(n + 2) n - 8 a(n + 1) n + 2 a(n) n$$
$$- a(n + 3) + 6 a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 0, a(2) = 1\}$$

Sequence: A335344
Score: 9.5748
Type of gen. func.: egf]

$$\frac{\exp\left(\frac{2 x - 1}{2 (x - 1)^2}\right)}{\exp(-1/2)}$$

Sequence: A335345
Score: 17.1533
Type of gen. func.: egf]

$$x^2$$

```
                               exp(- ----------)
                                              3
                                     2 (x - 1)
```

Sequence: A335365
Score: 8.43557
Type of gen. func.: ogf

```
               11    10    9    8    7    6    5    4    3    2
            2 x   + x   - x  + x  - x  + x  - x  + x  + x  - x  + 2
            -------------------------------------------------------
                                          2
                                   (x - 1)
```

Sequence: A335365
Score: 9.09076
Type of gen. func.: ogf

```
               11    10    9    8    7    6    5    4    3    2
            2 x   + x   - x  + x  - x  + x  - x  + x  + x  - x  + 2
            -------------------------------------------------------
                                          2
                                   (x - 1)
```

Sequence: A335411
Score: 4.2512
Type of gen. func.: ogf

```
     12       11       10       9       8       6       4       2
(11 x   - 20 x   - 45 x   + 24 x  - 24 x  - 24 x  - 24 x  - 11 x  - 4 x - 3)

       /    4    3    2            4    3    2                 2        3
      /  ((x  + x  + x  + x + 1) (x  - x  + x  - x + 1) (x + 1)  (x - 1) )
     /
```

Sequence: A335411
Score: 4.43604
Type of gen. func.: ogf

```
     12       11       10       9       8       6       4       2
(11 x   - 20 x   - 45 x   + 24 x  - 24 x  - 24 x  - 24 x  - 11 x  - 4 x - 3)

       /    4    3    2            4    3    2                 2        3
      /  ((x  + x  + x  + x + 1) (x  - x  + x  - x + 1) (x + 1)  (x - 1) )
     /
```

Sequence: A335412

Score: 3.82864
Type of gen. func.: ogf

$$3 (6 x^{12} - 11 x^{11} - 25 x^{10} + 10 x^9 - 14 x^8 - 2 x^7 - 14 x^6 - 2 x^5 - 14 x^4 - 2 x^3 - 8 x^2 - 3 x - 1) / ((x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x + 1)^2 (x - 1)^3)$$

Sequence: A335412
Score: 3.97449
Type of gen. func.: ogf

$$3 (6 x^{12} - 11 x^{11} - 25 x^{10} + 10 x^9 - 14 x^8 - 2 x^7 - 14 x^6 - 2 x^5 - 14 x^4 - 2 x^3 - 8 x^2 - 3 x - 1) / ((x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x + 1)^2 (x - 1)^3)$$

Sequence: A335439
Score: 14.7204
Type of gen. func.: ogf

$$\frac{x (x^2 - 4 x + 2)}{(2 x - 1) (x - 1)^3}$$

Sequence: A335439
Score: 17.1237
Type of gen. func.: ogf

$$\frac{x (x^2 - 4 x + 2)}{(2 x - 1) (x - 1)^3}$$

Sequence: A335439
Score: 6.21528
Type of gen. func.: ogf

$(23 f(x) + 65)$

$$(2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 - x^3 - 5 f(x) x + 4 x^2 + f(x) - 2 x)$$

Sequence: A335439
Score: 6.26166
Type of gen. func.: ogf

$$\{-a(n + 4) + 5 a(n + 3) - 9 a(n + 2) + 7 a(n + 1) - 2 a(n), a(0) = 0, a(1) = 2, a(2) = 6, a(3) = 13\}$$

Sequence: A335537
Score: 4.75561
Type of gen. func.: egf]

$$1/2 \exp(2 x + x^{(3/2)}) x^{1/2} + 1/2 \exp(2 x + x^{(3/2)}) - 1/2 \exp(2 x - x^{(3/2)}) x^{1/2} + 1/2 \exp(2 x - x^{(3/2)})$$

Sequence: A335551
Score: 10.5297
Type of gen. func.: ogf

$$\frac{x^2 (x - 1)}{(x^2 - 3 x + 1) (x^3 - 2 x^2 + 3 x - 1)}$$

Sequence: A335551
Score: 11.8257
Type of gen. func.: ogf

$$\frac{x^2 (x - 1)}{(x^2 - 3 x + 1) (x^3 - 2 x^2 + 3 x - 1)}$$

Sequence: A335551
Score: 4.65861
Type of gen. func.: ogf

$$\{-a(n + 5) + 6 a(n + 4) - 12 a(n + 3) + 10 a(n + 2) - 5 a(n + 1) + a(n),$$

$$a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 5, a(4) = 18\}$$

Sequence: A335551
Score: 4.99137
Type of gen. func.: ogf

$$-(46 f(x) + 5)$$

$$(f(x) x^5 - 5 f(x) x^4 + 10 f(x) x^3 - 12 f(x) x^2 - x^3 + 6 f(x) x + x^2 - f(x))$$

Sequence: A335559
Score: 13.3568
Type of gen. func.: ogf

$$-\frac{x (x - 1)}{2 x^3 - 4 x^2 - 3 x + 1}$$

Sequence: A335559
Score: 15.5375
Type of gen. func.: ogf

$$-\frac{x (x - 1)}{2 x^3 - 4 x^2 - 3 x + 1}$$

Sequence: A335559
Score: 7.04943
Type of gen. func.: ogf

$$(47 f(x) - 3) (2 f(x) x^3 - 4 f(x) x^2 - 3 f(x) x + x^2 + f(x) - x)$$

Sequence: A335559
Score: 7.39163
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) - 4 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A335560
Score: 4.86032
Type of gen. func.: ogf

$$-(2810714622 f(x) + 189354767273) (6 f(x) x^{3} + 186 x^{4} - 11 f(x) x^{2} - 281 x^{3} + 6 f(x) x + 46 x^{2} - f(x) + 10 x + 1)$$

Sequence: A335560
Score: 5.33285
Type of gen. func.: ogf

$$\{-a(n + 5) + 6 a(n + 4) - 11 a(n + 3) + 6 a(n + 2), a(0) = 1, a(1) = 16, a(2) = 131, a(3) = 335, a(4) = 851\}$$

Sequence: A335560
Score: 8.43879
Type of gen. func.: ogf

$$-\frac{186 x^{4} - 281 x^{3} + 46 x^{2} + 10 x + 1}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A335560
Score: 9.25217
Type of gen. func.: ogf

$$-\frac{186 x^{4} - 281 x^{3} + 46 x^{2} + 10 x + 1}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A335583
Score: 7.90617
Type of gen. func.: ogf

$$\frac{x^{4} (x^{6} - 2 x^{5} - x^{4} + 2 x^{3} + 2 x^{2} + x - 4)}{(x + 1) (x^{2} + x + 1) (x - 1)^{3}}$$

Sequence: A335583
Score: 8.5324
Type of gen. func.: ogf

$$\frac{x^4\,(x^6 - 2\,x^5 - x^4 + 2\,x^3 + 2\,x^2 + x - 4)}{(x + 1)\,(x^2 + x + 1)\,(x - 1)^3}$$

Sequence: A335595
Score: 15.3506
Type of gen. func.: egf]

$$\frac{\exp(-x\,(x + 2))}{(x - 1)^2}$$

Sequence: A335595
Score: 4.42164
Type of gen. func.: ogf

$$\{-2\,a(n + 1)\,n^2 - a(n + 3)\,n - 10\,a(n + 1)\,n + a(n + 4) - 3\,a(n + 3)$$

$$- 12\,a(n + 1),\ a(0) = 1,\ a(1) = 0,\ a(2) = 0,\ a(3) = 4\}$$

Sequence: A335602
Score: 8.14031
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^4 + 2\,x^3 + 2\,x + 1}{(x - 1)\,(x + 1)\,(x^2 + x + 1)\,(x^2 - x + 1)}$$

Sequence: A335604
Score: 4.64577
Type of gen. func.: ogf_with_Euler_transform]

```
                 2        10      9              4
               (x  + 1) (x   + 2 x  + 2 x + 1) (x  + 1)
    - ----------------------------------------------------------------------
              2            6    3                 2            6    3
```

```
      (x - 1) (x  + x + 1) (x  + x  + 1) (x + 1) (x  - x + 1) (x  - x  + 1)



------------------------------------------------------------------------------

Sequence:  A335606
Score: 4.18263
Type of gen. func.: ogf


            10    9      8      7    6      5      4      3      2
- (x + 1) (x   - x  - 3 x  + 2 x  - x  - 2 x  + 7 x  - 3 x  - 5 x  + 2 x + 1)

       /            3    2
      /  ((x - 1) (x  + x  + x - 1)
     /

      10      9    8      6    4      3
    (x   - 3 x  - x  + 2 x  + x  - 4 x  + 3 x - 1))



------------------------------------------------------------------------------

Sequence:  A335606
Score: 4.34746
Type of gen. func.: ogf


            10    9      8      7    6      5      4      3      2
- (x + 1) (x   - x  - 3 x  + 2 x  - x  - 2 x  + 7 x  - 3 x  - 5 x  + 2 x + 1)

       /            3    2
      /  ((x - 1) (x  + x  + x - 1)
     /

      10      9    8      6    4      3
    (x   - 3 x  - x  + 2 x  + x  - 4 x  + 3 x - 1))



------------------------------------------------------------------------------

Sequence:  A335608
Score: 11.8786
Type of gen. func.: ogf


                                   8 (2 x + 1)
                         - ---------------------------
                           (x - 1) (3 x - 1) (7 x - 1)



------------------------------------------------------------------------------

Sequence:  A335608
Score: 13.6716
Type of gen. func.: ogf


                                   8 (2 x + 1)
                         - ---------------------------
                           (x - 1) (3 x - 1) (7 x - 1)



------------------------------------------------------------------------------

Sequence:  A335608
```

```
Score: 6.19313
Type of gen. func.: ogf


                                  3            2
 (402477 f(x) - 978152) (21 f(x) x  - 31 f(x) x  + 11 f(x) x - f(x) + 16 x + 8)



------------------------------------------------------------------------------

Sequence:  A335608
Score: 6.52789
Type of gen. func.: ogf


{a(n + 3) - 11 a(n + 2) + 31 a(n + 1) - 21 a(n), a(0) = 8, a(1) = 104,

    a(2) = 896}



------------------------------------------------------------------------------

Sequence:  A335609
Score: 4.24037
Type of gen. func.: ogf


                                                  4             3             2
(18132749995976 f(x) + 69026297604315) (315 f(x) x  - 486 f(x) x  + 196 f(x) x

                        2
     - 26 f(x) x - 258 x  + f(x) - 220 x - 26)



------------------------------------------------------------------------------

Sequence:  A335609
Score: 4.62837
Type of gen. func.: ogf


{-a(n + 4) + 26 a(n + 3) - 196 a(n + 2) + 486 a(n + 1) - 315 a(n), a(0) = 26,

    a(1) = 896, a(2) = 18458, a(3) = 316928}



------------------------------------------------------------------------------

Sequence:  A335609
Score: 8.13955
Type of gen. func.: ogf


                                    2
                            2 (129 x  + 110 x + 13)
                     --------------------------------------
                     (x - 1) (15 x - 1) (3 x - 1) (7 x - 1)



------------------------------------------------------------------------------

Sequence:  A335609
Score: 8.96381
Type of gen. func.: ogf
```

$$\frac{2 (129 x^2 + 110 x + 13)}{(x - 1) (15 x - 1) (3 x - 1) (7 x - 1)}$$

Sequence: A335610
Score: 6.27613
Type of gen. func.: ogf

$$- \frac{16 (522 x^3 + 593 x^2 + 140 x + 5)}{(x - 1) (15 x - 1) (3 x - 1) (31 x - 1) (7 x - 1)}$$

Sequence: A335610
Score: 6.76838
Type of gen. func.: ogf

$$- \frac{16 (522 x^3 + 593 x^2 + 140 x + 5)}{(x - 1) (15 x - 1) (3 x - 1) (31 x - 1) (7 x - 1)}$$

Sequence: A335611
Score: 4.22249
Type of gen. func.: ogf

$$\frac{2 (270585 x^4 + 372324 x^3 + 128086 x^2 + 10084 x + 121)}{(x - 1) (15 x - 1) (3 x - 1) (31 x - 1) (63 x - 1) (7 x - 1)}$$

Sequence: A335611
Score: 4.46906
Type of gen. func.: ogf

$$\frac{2 (270585 x^4 + 372324 x^3 + 128086 x^2 + 10084 x + 121)}{(x - 1) (15 x - 1) (3 x - 1) (31 x - 1) (63 x - 1) (7 x - 1)}$$

Sequence: A335612
Score: 10.1849
Type of gen. func.: ogf

$$8 (x - 4)$$

```
                          ---------------------------
                          (x - 1) (3 x - 1) (7 x - 1)



------------------------------------------------------------------------------

Sequence:  A335612
Score: 11.7222
Type of gen. func.: ogf


                                   8 (x - 4)
                          ---------------------------
                          (x - 1) (3 x - 1) (7 x - 1)



------------------------------------------------------------------------------

Sequence:  A335612
Score: 5.17731
Type of gen. func.: ogf


(8812443 f(x) - 37152472)

              3            2
    (21 f(x) x  - 31 f(x) x  + 11 f(x) x - f(x) - 8 x + 32)



------------------------------------------------------------------------------

Sequence:  A335612
Score: 5.49802
Type of gen. func.: ogf


{a(n + 3) - 11 a(n + 2) + 31 a(n + 1) - 21 a(n), a(0) = 32, a(1) = 344,

    a(2) = 2792}



------------------------------------------------------------------------------

Sequence:  A335613
Score: 3.84275
Type of gen. func.: ogf


                                                         4             3
(20116624580023496 f(x) + 110325180294996405) (315 f(x) x  - 486 f(x) x

                 2                    2
     + 196 f(x) x  - 26 f(x) x - 186 x  + f(x) - 28 x - 290)



------------------------------------------------------------------------------

Sequence:  A335613
Score: 4.25884
Type of gen. func.: ogf


{-a(n + 4) + 26 a(n + 3) - 196 a(n + 2) + 486 a(n + 1) - 315 a(n), a(0) = 290,

    a(1) = 7568, a(2) = 140114, a(3) = 2300576}
```

Sequence: A335613
Score: 7.77486
Type of gen. func.: ogf

$$\frac{2 (93 x^2 + 14 x + 145)}{(x - 1) (15 x - 1) (3 x - 1) (7 x - 1)}$$

Sequence: A335613
Score: 8.57229
Type of gen. func.: ogf

$$\frac{2 (93 x^2 + 14 x + 145)}{(x - 1) (15 x - 1) (3 x - 1) (7 x - 1)}$$

Sequence: A335639
Score: 10.4596
Type of gen. func.: ogf

$$- \frac{x^2 (x^4 + 6 x^3 + 16 x^2 + 12 x + 7)}{(x + 1)^3 (x - 1)^5}$$

Sequence: A335639
Score: 11.6382
Type of gen. func.: ogf

$$- \frac{x^2 (x^4 + 6 x^3 + 16 x^2 + 12 x + 7)}{(x + 1)^3 (x - 1)^5}$$

Sequence: A335647
Score: 3.00631
Type of gen. func.: ogf

$$\{27 a(n + 2) n^3 - 256 a(n + 1) n^3 + 162 a(n + 2) n^2 - 1408 a(n + 1) n^2$$

$$+ 303 a(n + 2) n - 2544 a(n + 1) n + 180 a(n + 2) - 1512 a(n + 1),$$

a(0) = 1, a(1) = 10}

Sequence: A335648
Score: 11.6431
Type of gen. func.: ogf

$$\frac{x (x^4 + 2 x^3 + 6 x^2 + 2 x + 1)}{(x + 1)^2 (x - 1)^6}$$

Sequence: A335648
Score: 13.0761
Type of gen. func.: ogf

$$\frac{x (x^4 + 2 x^3 + 6 x^2 + 2 x + 1)}{(x + 1)^2 (x - 1)^6}$$

Sequence: A335649
Score: 10.0257
Type of gen. func.: ogf

$$- \frac{10 x (x + 1)}{(x - 1) (x^2 - 14 x + 1) (x^2 - 4 x + 1)}$$

Sequence: A335649
Score: 4.24819
Type of gen. func.: ogf

{a(n + 5) - 19 a(n + 4) + 76 a(n + 3) - 76 a(n + 2) + 19 a(n + 1) - a(n),

a(0) = 0, a(1) = 10, a(2) = 200, a(3) = 3040, a(4) = 43320}

Sequence: A335649
Score: 9.05938
Type of gen. func.: ogf

$$- \frac{10 x (x + 1)}{}$$

$$(x-1)\,(x^2-14\,x+1)\,(x^2-4\,x+1)$$

Sequence: A335690
Score: 5.95797
Type of gen. func.: ogf

$$-\frac{2\,x^7+2\,x^6+5\,x^5+4\,x^4+5\,x^3+2\,x^2+2\,x+1}{(x-1)\,(x+1)\,(x^2+1)\,(x^4+1)}$$

Sequence: A335690
Score: 6.35189
Type of gen. func.: ogf

$$-\frac{2\,x^7+2\,x^6+5\,x^5+4\,x^4+5\,x^3+2\,x^2+2\,x+1}{(x-1)\,(x+1)\,(x^2+1)\,(x^4+1)}$$

Sequence: A335694
Score: 16.8469
Type of gen. func.: ogf

$$-\frac{11\,x^4-6\,x^3-8\,x^2+8\,x-2}{(x-1)^5}$$

Sequence: A335694
Score: 19.3428
Type of gen. func.: ogf

$$-\frac{11\,x^4-6\,x^3-8\,x^2+8\,x-2}{(x-1)^5}$$

Sequence: A335694
Score: 6.29223
Type of gen. func.: ogf

$\{-a(n + 5) + 5 a(n + 4) - 10 a(n + 3) + 10 a(n + 2) - 5 a(n + 1) + a(n),$

$a(0) = -2, a(1) = -2, a(2) = 2, a(3) = 4, a(4) = 1\}$

Sequence: A335711
Score: 6.89732
Type of gen. func.: ogf

$$-\frac{x^6 + x^5 - x^4 + 2 x^3 - 8 x^2 + 2}{(x - 1) (x^2 + 2 x - 1) (x^4 + 2 x^2 - 1)}$$

Sequence: A335711
Score: 7.40355
Type of gen. func.: ogf

$$-\frac{x^6 + x^5 - x^4 + 2 x^3 - 8 x^2 + 2}{(x - 1) (x^2 + 2 x - 1) (x^4 + 2 x^2 - 1)}$$

Sequence: A335714
Score: 15.3696
Type of gen. func.: ogf

$$\frac{(x - 1)^3}{(2 x - 1) (x^2 + x - 1)^2}$$

Sequence: A335714
Score: 18.102
Type of gen. func.: ogf

$$\frac{(x - 1)^3}{(2 x - 1) (x^2 + x - 1)^2}$$

Sequence: A335714
Score: 4.9369

Type of gen. func.: ogf

$$\{a(n + 5) - 4 a(n + 4) + 3 a(n + 3) + 4 a(n + 2) - 3 a(n + 1) - 2 a(n),$$
$$a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 8, a(4) = 19\}$$

Sequence: A335718
Score: 17.8841
Type of gen. func.: ogf

$$-\frac{x}{5 x^{3} + 3 x^{2} + 2 x - 1}$$

Sequence: A335718
Score: 21.7509
Type of gen. func.: ogf

$$-\frac{x}{5 x^{3} + 3 x^{2} + 2 x - 1}$$

Sequence: A335718
Score: 7.81343
Type of gen. func.: ogf

$$-(2 f(x) + 1) (5 f(x) x^{3} + 3 f(x) x^{2} + 2 f(x) x - f(x) + x)$$

Sequence: A335718
Score: 7.81343
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 3 a(n + 1) - 5 a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A335719
Score: 14.3226
Type of gen. func.: ogf

$$\frac{3 x^{2} + 4 x - 3}{{}^{3} \qquad {}^{2}}$$

$$5 x + 3 x + 2 x - 1$$

Sequence: A335719
Score: 16.661
Type of gen. func.: ogf

$$\frac{3 x^2 + 4 x - 3}{5 x^3 + 3 x^2 + 2 x - 1}$$

Sequence: A335719
Score: 6.69172
Type of gen. func.: ogf

$$-(8617 f(x) - 23997) (5 f(x) x^3 + 3 f(x) x^2 + 2 f(x) x - 3 x^2 - f(x) - 4 x + 3)$$

Sequence: A335719
Score: 7.77514
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - 3 a(n + 1) - 5 a(n), a(0) = 3, a(1) = 2, a(2) = 10\}$$

Sequence: A335720
Score: 14.9305
Type of gen. func.: ogf

$$\frac{x (x - 1)}{5 x^3 + 3 x^2 + 2 x - 1}$$

Sequence: A335720
Score: 17.5848
Type of gen. func.: ogf

$$\frac{x (x - 1)}{5 x^3 + 3 x^2 + 2 x - 1}$$

Sequence: A335720
Score: 7.12896
Type of gen. func.: ogf

$$-(f(x) + 1) (5 f(x) x^3 + 3 f(x) x^2 + 2 f(x) x - x^2 - f(x) + x)$$

Sequence: A335720
Score: 7.68267
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 3 a(n + 1) + 5 a(n), a(0) = 0, a(1) = 1, a(2) = 1\}$$

Sequence: A335741
Score: 5.13473
Type of gen. func.: ogf

$$- (x^{46} + x^{43} + x^{42} + x^{41} - x^{36} - 2 x^{29} - x^{26} - x^{25} - x^{24} - x^{12} - x^5 - x^2 - x - 1) / ((x - 1) (x^{41} - x^{24} - 1))$$

Sequence: A335741
Score: 5.38987
Type of gen. func.: ogf

$$- (x^{46} + x^{43} + x^{42} + x^{41} - x^{36} - 2 x^{29} - x^{26} - x^{25} - x^{24} - x^{12} - x^5 - x^2 - x - 1) / ((x - 1) (x^{41} - x^{24} - 1))$$

Sequence: A335747
Score: 3.31365
Type of gen. func.: ogf

$$\{-a(n + 7) + a(n + 6) + 4 a(n + 5) - a(n + 4) - a(n + 3), a(0) = 1, a(1) = 3, a(2) = 13, a(3) = 26, a(4) = 66, a(5) = 154, a(6) = 380\}$$

Sequence: A335747
Score: 6.59167

Type of gen. func.: ogf

$$\frac{x^6 - 8x^4 + 2x^3 + 6x^2 + 2x + 1}{(x^2 + 2x - 1)(x^2 - x - 1)}$$

Sequence: A335747
Score: 7.21207
Type of gen. func.: ogf

$$\frac{x^6 - 8x^4 + 2x^3 + 6x^2 + 2x + 1}{(x^2 + 2x - 1)(x^2 - x - 1)}$$

Sequence: A335749
Score: 10.4831
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A335749
Score: 17.2389
Type of gen. func.: ogf

$$-\frac{4x + 1}{2x^2 + 4x - 1}$$

Sequence: A335749
Score: 20.9662
Type of gen. func.: ogf

$$-\frac{4x + 1}{2x^2 + 4x - 1}$$

Sequence: A335749
Score: 9.12646
Type of gen. func.: ogf

$$(9 f(x) + 7) (2 f(x) x^2 + 4 f(x) x - f(x) + 4 x + 1)$$

Sequence: A335754
Score: 8.48251
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^4 + x^3 + 2}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A335755
Score: 8.10636
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{2 x^4 + x + 1}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A335756
Score: 10.9322
Type of gen. func.: ogf

$$\frac{2 (2 x^5 + 3 x^4 + 4 x^3 + x^2 + 1)}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A335756
Score: 12.068
Type of gen. func.: ogf

$$\frac{2 (2 x^5 + 3 x^4 + 4 x^3 + x^2 + 1)}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A335756
Score: 7.6167
Type of gen. func.: ogf

{a(n + 6) - 2 a(n + 3) + a(n), a(0) = 2, a(1) = 0, a(2) = 2, a(3) = 12,

a(4) = 6, a(5) = 8}

Sequence: A335766
Score: 6.10548
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^8 - x^7 + x^6 + 1}{(x - 1)(x^2 + 1)(x^2 + x + 1)(x^2 - x + 1)(x^4 - x^2 + 1)}$$

Sequence: A335807
Score: 11.9781
Type of gen. func.: ogf

$$\frac{x^3 - x^2 + 4 x - 3}{(x - 1)(x^2 - 3 x + 1)}$$

Sequence: A335807
Score: 13.549
Type of gen. func.: ogf

$$\frac{x^3 - x^2 + 4 x - 3}{(x - 1)(x^2 - 3 x + 1)}$$

Sequence: A335807
Score: 6.45696
Type of gen. func.: ogf

$$-(272 f(x) + 1461) (f(x) x^3 - 4 f(x) x^2 - x^3 + 4 f(x) x + x^2 - f(x) - 4 x + 3)$$

Sequence: A335807
Score: 6.55945
Type of gen. func.: ogf

```
{a(n + 4) - 4 a(n + 3) + 4 a(n + 2) - a(n + 1), a(0) = 3, a(1) = 8, a(2) = 21,

    a(3) = 54}
```

Sequence: A335819
Score: 19.6109
Type of gen. func.: egf]

```
                                 3 x (x + 2)
                             exp(-----------)
                                      2
```

Sequence: A335819
Score: 6.64502
Type of gen. func.: ogf

```
{-3 a(n + 1) n + a(n + 3) - 3 a(n + 2) - 6 a(n + 1), a(0) = 1, a(1) = 3,

    a(2) = 12}
```

Sequence: A335827
Score: 7.53853
Type of gen. func.: egf]

```
                    1/2  (3/2)        x (x + 2)
       BesselI(0, 2    x     ) exp(- ---------)
                                          2
     - --------------------------------------
                         x - 1
```

Sequence: A335840
Score: 13.4249
Type of gen. func.: ogf

```
                   2 x + 1
         - ------------------------
                            2
           (2 x - 1) (4 x  - x + 1)
```

Sequence: A335840
Score: 15.6167
Type of gen. func.: ogf

```
                   2 x + 1
         - ------------------------
```

$$(2x - 1)(4x^2 - x + 1)$$

Sequence: A335840
Score: 7.02037
Type of gen. func.: ogf

$$-(5 f(x) + 408)(8 f(x) x^3 - 6 f(x) x^2 + 3 f(x) x - f(x) + 2x + 1)$$

Sequence: A335840
Score: 7.35789
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 6 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 5, a(2) = 9\}$$

Sequence: A335843
Score: 10.7551
Type of gen. func.: ogf

$$\{a(n + 2) - 3 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 81\}$$

Sequence: A335843
Score: 13.2647
Type of gen. func.: ogf

$$-2 f(x) x^2 + 3 f(x) x - f(x) + 81 x$$

Sequence: A335843
Score: 18.9495
Type of gen. func.: ogf

$$\frac{81 x}{(2x - 1)(x - 1)}$$

Sequence: A335843
Score: 23.4082
Type of gen. func.: ogf

$$\frac{81 x}{(2 x - 1) (x - 1)}$$

Sequence: A335855
Score: 6.27416
Type of gen. func.: ogf

$$- 2 (x^{39} - x^{38} + x^{37} - x^{36} + x^{35} - x^{34} + x^{33} - x^{32} + x^{31} - x^{30} + x^{29} + x^{19} + x^{4} + 1)/(x - 1)$$

Sequence: A335855
Score: 6.63014
Type of gen. func.: ogf

$$- 2 (x^{39} - x^{38} + x^{37} - x^{36} + x^{35} - x^{34} + x^{33} - x^{32} + x^{31} - x^{30} + x^{29} + x^{19} + x^{4} + 1)/(x - 1)$$

Sequence: A335857
Score: 5.37573
Type of gen. func.: ogf

$$(x^{10} + 116 x^{9} + 2727 x^{8} + 21572 x^{7} + 70328 x^{6} + 103376 x^{5} + 70328 x^{4} + 21572 x^{3} + 2727 x^{2} + 116 x + 1) \Big/ (x - 1)^{16}$$

Sequence: A335873
Score: 3.92347
Type of gen. func.: egf]

$$-1/2 I (Pi x - Pi + \ln(x - 1) x I - \ln(x + 1) x I - \ln(x - 1) I + \ln(x + 1) I - 4 I x)/(x - 1)$$

Sequence: A335891
Score: 10.2036
Type of gen. func.: ogf

$$(f(x) - 3) (2 f(x) x - f(x) + 2)$$

Sequence: A335903
Score: 19.9535
Type of gen. func.: ogf

$$\frac{(x - 1) (x^2 - 2)}{(2 x - 1)^2}$$

Sequence: A335903
Score: 23.8468
Type of gen. func.: ogf

$$\frac{(x - 1) (x^2 - 2)}{(2 x - 1)^2}$$

Sequence: A335903
Score: 9.05297
Type of gen. func.: ogf

$$\{a(n + 4) - 4 a(n + 3) + 4 a(n + 2), a(0) = 2, a(1) = 6, a(2) = 15, a(3) = 37\}$$

Sequence: A335903
Score: 9.6804
Type of gen. func.: ogf

$$(7 f(x) - 5) (4 f(x) x^2 - x^3 - 4 f(x) x + x^2 + f(x) + 2 x - 2)$$

Sequence: A335927
Score: 10.2675
Type of gen. func.: ogf

$$\frac{x^4 - 4 x^3 + 6 x^2 - 3 x + 1}{(2 x - 1) (x - 1)^3}$$

Sequence: A335927
Score: 4.01485
Type of gen. func.: ogf

$$\{-a(n + 5) + 5 a(n + 4) - 9 a(n + 3) + 7 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 7, a(3) = 20, a(4) = 50\}$$

Sequence: A335927
Score: 4.17545
Type of gen. func.: ogf

$$(232 + 1295 f(x)) (2 f(x) x^4 - 7 f(x) x^3 - x^4 + 9 f(x) x^2 + 4 x^3 - 5 f(x) x - 6 x^2 + f(x) + 3 x - 1)$$

Sequence: A335927
Score: 9.07706
Type of gen. func.: ogf

$$\frac{x^4 - 4 x^3 + 6 x^2 - 3 x + 1}{(2 x - 1) (x - 1)^3}$$

Sequence: A336030
Score: 10.9703
Type of gen. func.: ogf

$$- \frac{3 x^4 - x^3 + x - 1}{(x^2 + x - 1) (x^4 + x^2 - 1)}$$

Sequence: A336030
Score: 4.82693
Type of gen. func.: ogf

$$\{-a(n + 6) + a(n + 5) + 2 a(n + 4) - a(n + 3) - a(n + 1) - a(n), a(0) = 1, a(1) = 0, a(2) = 2, a(3) = 2, a(4) = 3, a(5) = 4\}$$

Sequence: A336030
Score: 9.9378
Type of gen. func.: ogf

$$-\frac{3x^4 - x^3 + x - 1}{(x^2 + x - 1)(x^4 + x^2 - 1)}$$

Sequence: A336102
Score: 14.3849
Type of gen. func.: ogf

$$-\frac{x^2 (x - 1)(x + 1)^2}{(2x^2 - 1)^2}$$

Sequence: A336102
Score: 16.7335
Type of gen. func.: ogf

$$-\frac{x^2 (x - 1)(x + 1)^2}{(2x^2 - 1)^2}$$

Sequence: A336102
Score: 6.40579
Type of gen. func.: ogf

$\{a(n + 6) - 4\, a(n + 4) + 4\, a(n + 2),\ a(0) = 0,\ a(1) = 0,\ a(2) = 1,\ a(3) = 1,$

$a(4) = 3,\ a(5) = 3\}$

Sequence: A336103
Score: 11.1002
Type of gen. func.: ogf

$$\frac{(x - 1)(2x^5 + 7x^4 - 5x^2 + 1)}{(2x - 1)(2x^2 - 1)^2}$$

Sequence: A336103
Score: 12.3167
Type of gen. func.: ogf

$$\frac{(x - 1) (2 x^5 + 7 x^4 - 5 x^2 + 1)}{(2 x - 1) (2 x^2 - 1)^2}$$

Sequence: A336103
Score: 4.541
Type of gen. func.: ogf

$$\{-a(n + 7) + 2 a(n + 6) + 4 a(n + 5) - 8 a(n + 4) - 4 a(n + 3) + 8 a(n + 2),$$

$$a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 3, a(4) = 5, a(5) = 13, a(6) = 24\}$$

Sequence: A336122
Score: 13.2773
Type of gen. func.: ogf

$$-(508 f(x) - 219) (2 f(x) x^3 + 9 x^2 - f(x) + 7 x + 5)$$

Sequence: A336122
Score: 16.2061
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n), a(0) = 5, a(1) = 7, a(2) = 9\}$$

Sequence: A336122
Score: 22.4901
Type of gen. func.: ogf

$$-\frac{9 x^2 + 7 x + 5}{2 x^3 - 1}$$

Sequence: A336122
Score: 26.8785
Type of gen. func.: ogf

$$-\frac{9 x^{2} + 7 x + 5}{2 x^{3} - 1}$$

Sequence: A336165
Score: 8.8812
Type of gen. func.: ogf

$$\frac{1/2\, I\, ((4 x^{3} - 8 x^{2} + 4 x - 1)^{1/2} - I)}{x (x - 1)^{2}}$$

Sequence: A336165
Score: 9.34257
Type of gen. func.: ogf

$$f(x)^{2} x^{3} - 2 f(x)^{2} x^{2} + f(x)^{2} x - f(x) + 1$$

Sequence: A336181
Score: 8.7182
Type of gen. func.: ogf

$$\frac{\mathrm{hypergeom}\left([1/3, 2/3], [1], - \frac{54 x^{2}}{(x + 1)^{3}}\right)}{x + 1}$$

Sequence: A336182
Score: 8.82078
Type of gen. func.: ogf

$$\frac{\mathrm{hypergeom}\left([1/3, 2/3], [1], - \frac{81 x^{2}}{(2 x + 1)^{3}}\right)}{2 x + 1}$$

Sequence: A336186
Score: 2.30259
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 16 x + 1)}{x^4 - 110 x^2 + 1}$$

Sequence: A336186
Score: 2.6096
Type of gen. func.: ogf

$$\frac{(x + 1) (x^2 + 16 x + 1)}{x^4 - 110 x^2 + 1}$$

Sequence: A336283
Score: 7.03492
Type of gen. func.: ogf

$$-2 f(x)^2 x + 2 f(x) x^2 - 3 f(x) x - x^2 + f(x) + 2 x - 1$$

Sequence: A336283
Score: 8.46092
Type of gen. func.: ogf

$$\frac{(2 x - 1 + (4 x^2 - 12 x + 1)^{1/2}) (x - 1)}{4 x}$$

Sequence: A336288
Score: 25.8825
Type of gen. func.: ogf

$$\frac{(3 x + 1)^2}{(x - 1)^4}$$

Sequence: A336288
Score: 34.1649
Type of gen. func.: ogf

$$\frac{(3 x + 1)^2}{(x - 1)^4}$$

Sequence: A336288
Score: 6.18929
Type of gen. func.: ogf

$$\{-a(n + 4) + 4 a(n + 3) - 6 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 1, a(1) = 10, a(2) = 43, a(3) = 116\}$$

Sequence: A336288
Score: 6.52001
Type of gen. func.: ogf

$$(14 f(x) + 89) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 f(x) x - 9 x^2 + f(x) - 6 x - 1)$$

Sequence: A336293
Score: 5.76864
Type of gen. func.: egf]

$$- \frac{\mathrm{KummerM}(1/2, 1, \frac{4 x}{x - 1}) \exp(- \frac{2 (x + 1)}{x - 1})}{\exp(2) (x - 1)}$$

Sequence: A336310
Score: 4.05426
Type of gen. func.: egf]

$$-f(x)^2 x^5 - 4 f(x)^2 x^4 - 2 f(x)^2 x^3 + 2 f(x) x^4 + 4 f(x)^2 x^2 + 10 f(x) x^3$$

2 2 3 2

$- f(x) x + 6 f(x) x - 2 x - 14 f(x) x - 4 x + 4 f(x)$

Sequence: A336337
Score: 10.59
Type of gen. func.: ogf

$$-\frac{x (2 x^{2} - 6 x + 3)}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A336337
Score: 11.8934
Type of gen. func.: ogf

$$-\frac{x (2 x^{2} - 6 x + 3)}{(x - 1) (3 x - 1) (2 x - 1)}$$

Sequence: A336337
Score: 6.13549
Type of gen. func.: ogf

$\{a(n + 4) - 6 a(n + 3) + 11 a(n + 2) - 6 a(n + 1), a(0) = 0, a(1) = 3,$

$a(2) = 12, a(3) = 41\}$

Sequence: A336337
Score: 6.38902
Type of gen. func.: ogf

$(661 f(x) - 2250)$

$(6 f(x) x^{3} - 11 f(x) x^{2} + 2 x^{3} + 6 f(x) x - 6 x^{2} - f(x) + 3 x)$

Sequence: A336398
Score: 3.66265
Type of gen. func.: ogf

$\{-a(n + 6) + a(n + 5) + 3 a(n + 4) - a(n + 3) - 2 a(n + 1) - 4 a(n), a(0) = 0,$

$a(1) = 2, a(2) = 1, a(3) = 4, a(4) = 5, a(5) = 14\}$

Sequence: A336398
Score: 6.38244
Type of gen. func.: ogf

$$-\frac{x(2x^4+3x^2+x-2)}{(2x-1)(x+1)(2x^2-1)(x^2+1)}$$

Sequence: A336398
Score: 6.93147
Type of gen. func.: ogf

$$-\frac{x(2x^4+3x^2+x-2)}{(2x-1)(x+1)(2x^2-1)(x^2+1)}$$

Sequence: A336430
Score: 10.9782
Type of gen. func.: ogf

$$\frac{x(x^{19}+x^{18}-x^{10}-x^9+1)}{(x+1)(x-1)^2}$$

Sequence: A336430
Score: 12.198
Type of gen. func.: ogf

$$\frac{x(x^{19}+x^{18}-x^{10}-x^9+1)}{(x+1)(x-1)^2}$$

Sequence: A336483
Score: 4.5319
Type of gen. func.: ogf

$$-\frac{x(44x^9-5x^8-5x^7-5x^6-5x^5-5x^4-5x^3-5x^2-5x-5)}{}$$

$$(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2$$

Sequence: A336483
Score: 4.73111
Type of gen. func.: ogf

$$- \frac{x (44 x^9 - 5 x^8 - 5 x^7 - 5 x^6 - 5 x^5 - 5 x^4 - 5 x^3 - 5 x^2 - 5 x - 5)}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A336529
Score: 12.6688
Type of gen. func.: ogf

$$- \frac{3 x^4 - 2 x^3 + 2 x^2 + 1}{(x + 1)^2 (x - 1)^5}$$

Sequence: A336529
Score: 14.3303
Type of gen. func.: ogf

$$- \frac{3 x^4 - 2 x^3 + 2 x^2 + 1}{(x + 1)^2 (x - 1)^5}$$

Sequence: A336535
Score: 16.8117
Type of gen. func.: ogf

$$- \frac{x^4 + x^3 + 8 x^2 + x + 1}{(x - 1)^5}$$

Sequence: A336535
Score: 19.3493
Type of gen. func.: ogf

$$-\frac{x^4 + x^3 + 8 x^2 + x + 1}{(x - 1)^5}$$

Sequence: A336535
Score: 6.03244
Type of gen. func.: ogf

$\{a(n + 5) - 5 a(n + 4) + 10 a(n + 3) - 10 a(n + 2) + 5 a(n + 1) - a(n),$

$a(0) = 1, a(1) = 6, a(2) = 28, a(3) = 91, a(4) = 231\}$

Sequence: A336602
Score: 12.228
Type of gen. func.: ogf

$$\frac{x^3 - x + 1}{(x^2 - 3 x + 1) (5 x^2 - 5 x + 1)}$$

Sequence: A336602
Score: 13.8317
Type of gen. func.: ogf

$$\frac{x^3 - x + 1}{(x^2 - 3 x + 1) (5 x^2 - 5 x + 1)}$$

Sequence: A336602
Score: 6.02667
Type of gen. func.: ogf

$(289785 f(x) + 12398)$

$(5 f(x) x^4 - 20 f(x) x^3 + 21 f(x) x^2 - x^3 - 8 f(x) x + f(x) + x - 1)$

Sequence: A336602
Score: 6.07003
Type of gen. func.: ogf

$\{a(n + 4) - 8 a(n + 3) + 21 a(n + 2) - 20 a(n + 1) + 5 a(n), a(0) = 1, a(1) = 7,$

$a(2) = 35, a(3) = 154\}$

Sequence: A336614
Score: 5.08181
Type of gen. func.: ogf

$\{a(n + 1) n^2 + 5 a(n + 1) n + 2 a(n + 3) + 6 a(n + 1) - a(n + 4), a(0) = 1,$

$a(1) = 2, a(2) = 4, a(3) = 10\}$

Sequence: A336623
Score: 4.56144
Type of gen. func.: ogf

$\{-a(n + 5) + a(n + 4) + 34 a(n + 3) - 34 a(n + 2) - a(n + 1) + a(n), a(0) = 0,$

$a(1) = 5, a(2) = 11, a(3) = 186, a(4) = 390\}$

Sequence: A336623
Score: 8.71287
Type of gen. func.: ogf

$$- \frac{x (5 x^2 + 6 x + 5)}{(x - 1) (x^2 + 6 x + 1) (x^2 - 6 x + 1)}$$

Sequence: A336623
Score: 9.5734
Type of gen. func.: ogf

$$- \frac{x (5 x^2 + 6 x + 5)}{(x - 1) (x^2 + 6 x + 1) (x^2 - 6 x + 1)}$$

Sequence: A336624
Score: 4.06913
Type of gen. func.: ogf

$$\{-a(n+5) + a(n+4) + 1154\, a(n+3) - 1154\, a(n+2) - a(n+1) + a(n),$$

$$a(0) = 0,\ a(1) = 15,\ a(2) = 66,\ a(3) = 17391,\ a(4) = 76245\}$$

Sequence: A336624
Score: 7.91711
Type of gen. func.: ogf

$$-\frac{3 x (5 x^2 + 17 x + 5)}{(x - 1) (x^2 - 34 x + 1) (x^2 + 34 x + 1)}$$

Sequence: A336624
Score: 8.67112
Type of gen. func.: ogf

$$-\frac{3 x (5 x^2 + 17 x + 5)}{(x - 1) (x^2 - 34 x + 1) (x^2 + 34 x + 1)}$$

Sequence: A336625
Score: 10.059
Type of gen. func.: ogf

$$\frac{x (x^3 + 15 x^2 - 17 x - 15)}{(x - 1) (x^2 + 6 x + 1) (x^2 - 6 x + 1)}$$

Sequence: A336625
Score: 5.14646
Type of gen. func.: ogf

$$\{-a(n+5) + a(n+4) + 34\, a(n+3) - 34\, a(n+2) - a(n+1) + a(n),\ a(0) = 0,$$

$$a(1) = 15,\ a(2) = 32,\ a(3) = 527,\ a(4) = 1104\}$$

Sequence: A336625
Score: 9.22074
Type of gen. func.: ogf

$$\frac{x (x^3 + 15 x^2 - 17 x - 15)}{(x - 1) (x^2 + 6 x + 1) (x^2 - 6 x + 1)}$$

Sequence: A336626
Score: 4.2171
Type of gen. func.: ogf

{-a(n + 5) + a(n + 4) + 1154 a(n + 3) - 1154 a(n + 2) - a(n + 1) + a(n),

a(0) = 0, a(1) = 120, a(2) = 528, a(3) = 139128, a(4) = 609960}

Sequence: A336626
Score: 8.29816
Type of gen. func.: ogf

$$-\frac{24 x (5 x^2 + 17 x + 5)}{(x - 1) (x^2 - 34 x + 1) (x^2 + 34 x + 1)}$$

Sequence: A336626
Score: 9.07917
Type of gen. func.: ogf

$$-\frac{24 x (5 x^2 + 17 x + 5)}{(x - 1) (x^2 - 34 x + 1) (x^2 + 34 x + 1)}$$

Sequence: A336627
Score: 12.806
Type of gen. func.: ogf

$$-\frac{(x^2 + 1) (x^4 - 2 x^3 - 1)}{(x - 1)^2}$$

Sequence: A336627
Score: 14.6033

Type of gen. func.: ogf

$$-\frac{(x^2 + 1)(x^4 - 2 x^3 - 1)}{(x - 1)^2}$$

Sequence: A336627
Score: 5.74063
Type of gen. func.: ogf

{-a(n + 7) + 2 a(n + 6) - a(n + 5), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8,

a(4) = 11, a(5) = 16, a(6) = 20}

Sequence: A336630
Score: 10.8681
Type of gen. func.: ogf

$$-\frac{2 x (3 x + 1)(x - 2)}{(x + 1)(x^2 - 3 x + 1)}$$

Sequence: A336630
Score: 5.56242
Type of gen. func.: ogf

-(6523 f(x) + 26402)

$(f(x) x^3 - 2 f(x) x^2 + 6 x^3 - 2 f(x) x - 10 x^2 + f(x) - 4 x)$

Sequence: A336630
Score: 5.65142
Type of gen. func.: ogf

{-a(n + 4) + 2 a(n + 3) + 2 a(n + 2) - a(n + 1), a(0) = 0, a(1) = 4, a(2) = 18,

a(3) = 38}

Sequence: A336630
Score: 9.67709
Type of gen. func.: ogf

$$-\frac{2 x (3 x + 1) (x - 2)}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A336634
Score: 9.55845
Type of gen. func.: egf]

$$\frac{\mathrm{KummerM}(1/2, 1, \frac{4 x}{x + 1})}{x + 1}$$

Sequence: A336675
Score: 5.13015
Type of gen. func.: ogf

{-a(n + 5) + a(n + 4) + 4 a(n + 3) - 3 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 1,

a(1) = 1, a(2) = 2, a(3) = 3, a(4) = 6}

Sequence: A336675
Score: 8.67365
Type of gen. func.: ogf

$$-\frac{(x^2 + x - 1) (x^2 - x - 1)}{x^5 - 3 x^4 - 3 x^3 + 4 x^2 + x - 1}$$

Sequence: A336675
Score: 9.4533
Type of gen. func.: ogf

$$-\frac{(x^2 + x - 1) (x^2 - x - 1)}{x^5 - 3 x^4 - 3 x^3 + 4 x^2 + x - 1}$$

Sequence: A336678
Score: 5.64214
Type of gen. func.: ogf

{-a(n + 6) + 6 a(n + 4) - 9 a(n + 2) + 2 a(n), a(0) = 1, a(1) = 1, a(2) = 2,

a(3) = 3, a(4) = 6, a(5) = 10}

Sequence: A336678
Score: 8.20146
Type of gen. func.: ogf

$$-\frac{x^5 + 3x^4 - 3x^3 - 4x^2 + x + 1}{(2x^2 - 1)(x^4 - 4x^2 + 1)}$$

Sequence: A336678
Score: 8.93867
Type of gen. func.: ogf

$$-\frac{x^5 + 3x^4 - 3x^3 - 4x^2 + x + 1}{(2x^2 - 1)(x^4 - 4x^2 + 1)}$$

Sequence: A336705
Score: 13.7789
Type of gen. func.: ogf

$$-\frac{(x + 1)(x^3 - 2x^2 - 1)}{(x - 1)^2}$$

Sequence: A336705
Score: 15.8587
Type of gen. func.: ogf

$$-\frac{(x + 1)(x^3 - 2x^2 - 1)}{(x - 1)^2}$$

Sequence: A336705

Score: 7.00426
Type of gen. func.: ogf

$$\{a(n + 5) - 2 a(n + 4) + a(n + 3), a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 12, a(4) = 16\}$$

Sequence: A336705
Score: 7.18386
Type of gen. func.: ogf

$$-(56 f(x) - 1115) (x^4 + f(x) x^2 - x^3 - 2 f(x) x - 2 x^2 + f(x) - x - 1)$$

Sequence: A336729
Score: 12.7631
Type of gen. func.: ogf

$$\frac{4 x - 1 + (16 x^2 + 4 x + 1)^{1/2}}{6 x}$$

Sequence: A336729
Score: 13.4121
Type of gen. func.: ogf

$$-3 f(x)^2 x + 4 f(x) x - f(x) + 1$$

Sequence: A336732
Score: 7.15062
Type of gen. func.: ogf

$$- \frac{x (104 x^4 + 6 x^3 - 47 x^2 + 8 x + 1)}{(4 x - 1) (3 x - 1)^2 (2 x - 1)^2 (x - 1)^4}$$

Sequence: A336732
Score: 7.74651
Type of gen. func.: ogf

4   3   2

$$-\frac{x\,(104\,x + 6\,x - 47\,x + 8\,x + 1)}{(4\,x - 1)\,(3\,x - 1)^{2}\,(2\,x - 1)^{2}\,(x - 1)^{4}}$$

Sequence: A336749
Score: 6.32055
Type of gen. func.: ogf

$$-\frac{x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1}{x^{9} + x^{8} + x^{7} + 2\,x^{6} + 2\,x^{5} + x^{4} + x^{3} - x - 1}$$

Sequence: A336749
Score: 6.72507
Type of gen. func.: ogf

$$-\frac{x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1}{x^{9} + x^{8} + x^{7} + 2\,x^{6} + 2\,x^{5} + x^{4} + x^{3} - x - 1}$$

Sequence: A336766
Score: 6.51682
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^{5} + x^{4} + x^{2} + 1}{(x - 1)\,(x + 1)\,(x^{2} + x + 1)\,(x^{2} - x + 1)}$$

Sequence: A336767
Score: 6.68746
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^{7} + x^{6} + x^{4} + x^{2} + 1}{(x - 1)\,(x + 1)\,(x^{2} + 1)\,(x^{4} + 1)}$$

Sequence: A336782
Score: 2.16644

Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^3$$

Sequence: A336805
Score: 3.85205
Type of gen. func.: ogf

$$\{-3 a(n + 2) n^2 + 3 a(n + 1) n^2 - 18 a(n + 2) n + 12 a(n + 1) n + a(n + 3) - 28 a(n + 2) + 12 a(n + 1), a(0) = 1, a(1) = 4, a(2) = 49\}$$

Sequence: A336807
Score: 3.48281
Type of gen. func.: ogf

$$\{-4 a(n + 2) n^2 + 4 a(n + 1) n^2 - 24 a(n + 2) n + 16 a(n + 1) n + a(n + 3) - 37 a(n + 2) + 16 a(n + 1), a(0) = 1, a(1) = 5, a(2) = 81\}$$

Sequence: A336808
Score: 3.58806
Type of gen. func.: ogf

$$\{-5 a(n + 2) n^2 + 5 a(n + 1) n^2 - 30 a(n + 2) n + 20 a(n + 1) n + a(n + 3) - 46 a(n + 2) + 20 a(n + 1), a(0) = 1, a(1) = 6, a(2) = 121\}$$

Sequence: A336819
Score: 13.0532
Type of gen. func.: ogf

$$\frac{16 x^4 - 8 x^3 - 8 x^2 - 6 x + 7}{(2 x - 1) (x - 1)}$$

Sequence: A336819
Score: 14.7375
Type of gen. func.: ogf

$$\frac{16 x^4 - 8 x^3 - 8 x^2 - 6 x + 7}{(2 x - 1) (x - 1)}$$

Sequence: A336819
Score: 7.48954
Type of gen. func.: ogf

$$\{-a(n + 5) + 3 a(n + 4) - 2 a(n + 3), a(0) = 7, a(1) = 15, a(2) = 23, a(3) = 31, a(4) = 63\}$$

Sequence: A336819
Score: 7.87694
Type of gen. func.: ogf

$$(815 f(x) - 10012) (-16 x^4 + 2 f(x) x^2 + 8 x^3 - 3 f(x) x + 8 x^2 + f(x) + 6 x - 7)$$

Sequence: A336867
Score: 13.4618
Type of gen. func.: ogf

$$-\frac{x^6 - x^5 + x^3 + x - 3}{(x - 1)^2}$$

Sequence: A336867
Score: 15.4938
Type of gen. func.: ogf

$$-\frac{x^6 - x^5 + x^3 + x - 3}{(x - 1)^2}$$

Sequence: A336867
Score: 5.70259
Type of gen. func.: ogf

$\{a(n + 7) - 2 a(n + 6) + a(n + 5), a(0) = 3, a(1) = 5, a(2) = 7, a(3) = 8,$

$a(4) = 9, a(5) = 11, a(6) = 12\}$

Sequence: A336938
Score: 11.8255
Type of gen. func.: ogf

$$-\frac{4 x (2268 x^{12} + 27 x^{6} + 9 x^{3} + 3 x + 1)}{x - 1}$$

Sequence: A336938
Score: 13.3513
Type of gen. func.: ogf

$$-\frac{4 x (2268 x^{12} + 27 x^{6} + 9 x^{3} + 3 x + 1)}{x - 1}$$

Sequence: A336945
Score: 9.21489
Type of gen. func.: ogf

$$-f(x)^{3} x + 4 f(x) x^{2} + 8 x^{3} - 4 f(x) x - 12 x^{2} + f(x) + 6 x - 1$$

Sequence: A336972
Score: 7.33957
Type of gen. func.: ogf

$$\frac{x^{2} (3 x^{6} + 3 x^{5} + 4 x^{4} + 3 x^{3} + 3 x^{2} + 2 x + 2)}{(x^{2} + 1)^{2} (x^{2} + x + 1)^{2} (x + 1)^{3} (x - 1)^{4}}$$

Sequence: A336972
Score: 7.84142
Type of gen. func.: ogf

$$\frac{x^{2} (3 x^{6} + 3 x^{5} + 4 x^{4} + 3 x^{3} + 3 x^{2} + 2 x + 2)}{}$$

$$(x^2 + 1)^2 (x^2 + x + 1)^2 (x + 1)^3 (x - 1)^4$$

Sequence: A336973
Score: 7.24383
Type of gen. func.: ogf

$$\frac{x^2 (4 x^6 + 4 x^5 + 5 x^4 + 3 x^3 + 3 x^2 + 2 x + 2)}{(x^2 + 1)^2 (x^2 + x + 1)^2 (x + 1)^3 (x - 1)^4}$$

Sequence: A336973
Score: 7.73913
Type of gen. func.: ogf

$$\frac{x^2 (4 x^6 + 4 x^5 + 5 x^4 + 3 x^3 + 3 x^2 + 2 x + 2)}{(x^2 + 1)^2 (x^2 + x + 1)^2 (x + 1)^3 (x - 1)^4}$$

Sequence: A336974
Score: 7.40625
Type of gen. func.: ogf

$$\frac{x^2 (5 x^6 + 5 x^5 + 7 x^4 + 4 x^3 + 4 x^2 + 2 x + 2)}{(x^2 + 1)^2 (x^2 + x + 1)^2 (x + 1)^3 (x - 1)^4}$$

Sequence: A336974
Score: 7.91266
Type of gen. func.: ogf

$$\frac{x^2 (5 x^6 + 5 x^5 + 7 x^4 + 4 x^3 + 4 x^2 + 2 x + 2)}{(x^2 + 1)^2 (x^2 + x + 1)^2 (x + 1)^3 (x - 1)^4}$$

Sequence: A337024
Score: 14.3631
Type of gen. func.: ogf

$$-\frac{3x^2-13x+16}{(x-1)^3}$$

Sequence: A337024
Score: 17.3094
Type of gen. func.: ogf

$$-\frac{3x^2-13x+16}{(x-1)^3}$$

Sequence: A337024
Score: 5.53332
Type of gen. func.: ogf

$$(10476 f(x) - 157241)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) - 13 x + 16)$$

Sequence: A337024
Score: 6.30902
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 16, a(1) = 35, a(2) = 60\}$$

Sequence: A337080
Score: 18.5222
Type of gen. func.: ogf

$$\frac{2 (x^{24} - x^{22} + 2)}{(x - 1)^2}$$

Sequence: A337080
Score: 21.9682
Type of gen. func.: ogf

$$\frac{2 (x^{24} - x^{22} + 2)}{(x - 1)^{2}}$$

Sequence: A337099
Score: 12.9526
Type of gen. func.: ogf

$$- \frac{6 x^{2} - 6 x - 1}{(x - 1) (10 x^{2} - 1)}$$

Sequence: A337099
Score: 14.8715
Type of gen. func.: ogf

$$- \frac{6 x^{2} - 6 x - 1}{(x - 1) (10 x^{2} - 1)}$$

Sequence: A337099
Score: 6.42449
Type of gen. func.: ogf

$-(82155 f(x) + 78209)$

$$(10 f(x) x^{3} - 10 f(x) x^{2} - f(x) x + 6 x^{2} + f(x) - 6 x - 1)$$

Sequence: A337099
Score: 7.50525
Type of gen. func.: ogf

$\{a(n + 3) - a(n + 2) - 10 a(n + 1) + 10 a(n), a(0) = 1, a(1) = 7, a(2) = 11\}$

Sequence: A337120
Score: 12.8685
Type of gen. func.: ogf

2 6 3

$$-\frac{(x + 1)\,(x - 2\,x - 1)}{(x - 1)^{2}}$$

Sequence: A337120
Score: 14.6746
Type of gen. func.: ogf

$$-\frac{(x^{2} + 1)\,(x^{6} - 2\,x^{3} - 1)}{(x - 1)^{2}}$$

Sequence: A337130
Score: 14.3531
Type of gen. func.: ogf

$$\frac{x^{3}\,(2\,x^{3} - 9\,x^{2} + 15\,x - 11)}{(x - 1)^{5}}$$

Sequence: A337130
Score: 16.7962
Type of gen. func.: ogf

$$\frac{x^{3}\,(2\,x^{3} - 9\,x^{2} + 15\,x - 11)}{(x - 1)^{5}}$$

Sequence: A337130
Score: 3.9471
Type of gen. func.: ogf

{a(n + 7) - 5 a(n + 6) + 10 a(n + 5) - 10 a(n + 4) + 5 a(n + 3) - a(n + 2),

a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 11, a(4) = 40, a(5) = 99, a(6) = 203}

Sequence: A337139
Score: 4.17794
Type of gen. func.: ogf

$$-\frac{x^{12}+x^{10}-x^{9}-x^{8}-x^{7}-x^{6}-x^{5}-x^{4}-2x^{3}-2x^{2}-x-2}{(x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)(x-1)^{2}}$$

Sequence: A337139
Score: 4.34934
Type of gen. func.: ogf

$$-\frac{x^{12}+x^{10}-x^{9}-x^{8}-x^{7}-x^{6}-x^{5}-x^{4}-2x^{3}-2x^{2}-x-2}{(x+1)(x^{4}+x^{3}+x^{2}+x+1)(x^{4}-x^{3}+x^{2}-x+1)(x-1)^{2}}$$

Sequence: A337141
Score: 3.83217
Type of gen. func.: ogf

$$(x^{13}+x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+7x^{5}+7x^{4}+7x^{3}+7x^{2}+7x+6) \Big/ \left((x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}\right)$$

Sequence: A337141
Score: 3.96663
Type of gen. func.: ogf

$$(x^{13}+x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+7x^{5}+7x^{4}+7x^{3}+7x^{2}+7x+6) \Big/ \left((x^{12}+x^{11}+x^{10}+x^{9}+x^{8}+x^{7}+x^{6}+x^{5}+x^{4}+x^{3}+x^{2}+x+1)(x-1)^{2}\right)$$

Sequence: A337142
Score: 15.6986
Type of gen. func.: ogf

$$3x^{4}(x+1)^{2}$$

$$\overline{\quad (x^2 + x - 1)^4 \quad}$$

Sequence: A337142
Score: 18.7617
Type of gen. func.: ogf

$$\frac{3 x^4 (x + 1)^2}{(x^2 + x - 1)^4}$$

Sequence: A337142
Score: 4.00641
Type of gen. func.: ogf

$$\{a(n + 4) n - 2 a(n + 2) n - a(n + 1) n - 6 a(n + 3) - 6 a(n + 2) - 3 a(n + 1),$$
$$a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 3\}$$

Sequence: A337154
Score: 3.46915
Type of gen. func.: ogf

$$\{4 a(n + 2) n^2 + 4 a(n + 1) n^2 + 24 a(n + 2) n + 16 a(n + 1) n - a(n + 3)$$
$$+ 35 a(n + 2) + 16 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 49\}$$

Sequence: A337155
Score: 3.59207
Type of gen. func.: ogf

$$\{5 a(n + 2) n^2 + 5 a(n + 1) n^2 + 30 a(n + 2) n + 20 a(n + 1) n + 44 a(n + 2)$$
$$+ 20 a(n + 1) - a(n + 3), a(0) = 1, a(1) = 4, a(2) = 81\}$$

Sequence: A337167
Score: 4.07656
Type of gen. func.: ogf

$$\{a(n + 3) n - 14 a(n + 2) n + 13 a(n + 1) n + 4 a(n + 3) - 36 a(n + 2)$$

+ 26 a(n + 1), a(0) = 1, a(1) = 4, a(2) = 25}

Sequence: A337167
Score: 9.3708
Type of gen. func.: ogf

$$3 f(x)^2 x^2 - 3 f(x)^2 x - f(x) x + f(x) - 1$$

Sequence: A337168
Score: 4.21914
Type of gen. func.: ogf

{a(n + 3) n - 6 a(n + 2) n - 7 a(n + 1) n + 4 a(n + 3) - 14 a(n + 2)

- 14 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 5}

Sequence: A337168
Score: 9.53416
Type of gen. func.: ogf

$$-2 f(x)^2 x^2 - 2 f(x)^2 x + f(x) x + f(x) - 1$$

Sequence: A337169
Score: 4.15632
Type of gen. func.: ogf

{-a(n + 3) n + 10 a(n + 2) n + 11 a(n + 1) n - 4 a(n + 3) + 24 a(n + 2)

+ 22 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 13}

Sequence: A337169
Score: 9.55413
Type of gen. func.: ogf

$$-3 f(x)^2 x^2 - 3 f(x)^2 x + f(x) x + f(x) - 1$$

Sequence: A337173
Score: 9.90034
Type of gen. func.: ogf

$$\frac{x\,(4\,x^{6} + 5\,x^{5} + 23\,x^{4} + 12\,x^{3} + 16\,x^{2} + 3\,x + 1)}{(x + 1)^{5}\,(x - 1)^{6}}$$

Sequence: A337252
Score: 21.7539
Type of gen. func.: ogf

$$-\frac{2\,(2\,x^{6} - 2\,x^{4} + 3\,x - 4)}{(x - 1)^{2}}$$

Sequence: A337252
Score: 6.61436
Type of gen. func.: ogf

{a(n + 7) - 2 a(n + 6) + a(n + 5), a(0) = 8, a(1) = 10, a(2) = 12, a(3) = 14,

a(4) = 20, a(5) = 26, a(6) = 28}

Sequence: A337262
Score: 2.94938
Type of gen. func.: ogf

$$-\frac{32\,x^{8} - 48\,x^{7} + 44\,x^{6} - 12\,x^{5} - 46\,x^{4} + 33\,x^{3} + 9\,x^{2} - 11\,x + 2}{(x - 1)\,(2\,x - 1)\,(16\,x^{7} - 16\,x^{6} + 16\,x^{5} + 8\,x^{4} - 20\,x^{3} + 5\,x - 1)}$$

Sequence: A337281
Score: 17.8448
Type of gen. func.: ogf

$$\frac{x^{2}\,(x^{3} - x + 2)}{(x^{3} + x^{2} + x - 1)^{2}}$$

Sequence: A337281

Score: 5.40441
Type of gen. func.: ogf

$$\{-a(n+6) + 2\,a(n+5) + a(n+4) - 3\,a(n+2) - 2\,a(n+1) - a(n),\ a(0) = 0,\ a(1) = 0,\ a(2) = 2,\ a(3) = 3,\ a(4) = 8,\ a(5) = 20\}$$

Sequence: A337282
Score: 14.3922
Type of gen. func.: ogf

$$-\frac{x^2 (x^3 - x + 2)}{(x - 1) (x^3 + x^2 + x - 1)^2}$$

Sequence: A337283
Score: 5.44773
Type of gen. func.: ogf

$$-\frac{x^2 (x + 1) (x^8 + x^7 + x^6 + 7 x^5 + 9 x^4 + 3 x^3 + 7 x^2 - 7 x + 2)}{(x - 1) (x^3 + x^2 + 3 x - 1)^2 (x^3 - x^2 - x - 1)^2}$$

Sequence: A337284
Score: 6.18106
Type of gen. func.: ogf

$$-\frac{x (2 x^9 + 3 x^8 + 4 x^7 + 2 x^6 + 8 x^5 + 12 x^3 + 2 x^2 - 2 x + 1)}{(x - 1) (x^3 + x^2 + 3 x - 1)^2 (x^3 - x^2 - x - 1)^2}$$

Sequence: A337291
Score: 2.84071
Type of gen. func.: ogf

$$\{-27\,a(n+2)\,n^3 + 256\,a(n+1)\,n^3 - 216\,a(n+2)\,n^2 + 1664\,a(n+1)\,n^2 - 573\,a(n+2)\,n + 3568\,a(n+1)\,n - 504\,a(n+2) + 2520\,a(n+1),\ a(0) = 4,\ a(1) = 12\}$$

```
------------------------------------------------------------------------------

Sequence:  A337313
Score: 16.3683
Type of gen. func.: ogf


                                              2
                                         648 x
                         - ----------------------------
                           (x - 1) (3 x - 1) (2 x - 1)



------------------------------------------------------------------------------

Sequence:  A337313
Score: 7.32677
Type of gen. func.: ogf


 {a(n + 3) - 6 a(n + 2) + 11 a(n + 1) - 6 a(n), a(0) = 0, a(1) = 0, a(2) = 648}



------------------------------------------------------------------------------

Sequence:  A337313
Score: 9.15847
Type of gen. func.: ogf


                         3             2                        2
               6 f(x) x  - 11 f(x) x  + 6 f(x) x + 648 x  - f(x)



------------------------------------------------------------------------------

Sequence:  A337314
Score: 12.5942
Type of gen. func.: ogf


                                              3
                                        4536 x
                       -------------------------------------
                       (x - 1) (3 x - 1) (2 x - 1) (4 x - 1)



------------------------------------------------------------------------------

Sequence:  A337314
Score: 5.47575
Type of gen. func.: ogf


{a(n + 4) - 10 a(n + 3) + 35 a(n + 2) - 50 a(n + 1) + 24 a(n), a(0) = 0,

    a(1) = 0, a(2) = 0, a(3) = 4536}



------------------------------------------------------------------------------

Sequence:  A337314
Score: 7.12881
Type of gen. func.: ogf
```

$$-24 f(x) x^{4} + 50 f(x) x^{3} - 35 f(x) x^{2} + 4536 x^{3} + 10 f(x) x - f(x)$$

Sequence: A337348
Score: 14.5711
Type of gen. func.: ogf

$$-\frac{2 x}{(x - 1) (2 x + 1) (2 x - 1) (4 x - 1)}$$

Sequence: A337348
Score: 6.97942
Type of gen. func.: ogf

$$\{a(n + 4) - 5 a(n + 3) + 20 a(n + 1) - 16 a(n), a(0) = 0, a(1) = 2, a(2) = 10, a(3) = 50\}$$

Sequence: A337348
Score: 8.0636
Type of gen. func.: ogf

$$(105 f(x) - 8) (16 f(x) x^{4} - 20 f(x) x^{3} + 5 f(x) x - f(x) + 2 x)$$

Sequence: A337392
Score: 12.1567
Type of gen. func.: ogf

$$-\frac{5 (4 x^{3} + 5 x + 1)}{(2 x + 1) (2 x - 1) (x^{2} + 1)}$$

Sequence: A337392
Score: 7.5256
Type of gen. func.: ogf

$$-(1639 f(x) - 4720) (4 f(x) x^{4} + 3 f(x) x^{2} + 20 x^{3} - f(x) + 25 x + 5)$$

Sequence: A337392
Score: 7.82364
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 2) - 4 a(n), a(0) = 5, a(1) = 25, a(2) = 15, a(3) = 95\}$$

Sequence: A337416
Score: 6.16404
Type of gen. func.: ogf

$$\frac{16 (261 x^3 - 1034 x^2 - 347 x - 140)}{(x - 1) (15 x - 1) (3 x - 1) (31 x - 1) (7 x - 1)}$$

Sequence: A337417
Score: 4.89285
Type of gen. func.: ogf

$$\frac{2 (172305 x^4 + 43284 x^3 + 464086 x^2 + 93364 x + 8161)}{(x - 1) (15 x - 1) (3 x - 1) (31 x - 1) (63 x - 1) (7 x - 1)}$$

Sequence: A337418
Score: 10.6255
Type of gen. func.: ogf

$$- \frac{2 (21 x^2 - 31 x + 16)}{(x - 1) (3 x - 1) (7 x - 1)}$$

Sequence: A337418
Score: 5.23101
Type of gen. func.: ogf

$$(81224956 f(x) + 4690833)$$

$$(21 f(x) x^3 - 31 f(x) x^2 + 11 f(x) x + 42 x^2 - f(x) - 62 x + 32)$$

Sequence: A337418
Score: 6.01798
Type of gen. func.: ogf

{a(n + 3) - 11 a(n + 2) + 31 a(n + 1) - 21 a(n), a(0) = 32, a(1) = 290,

a(2) = 2240}

Sequence: A337483
Score: 10.7499
Type of gen. func.: ogf

$$\frac{x^3 (x^3 - x^2 - x - 1)}{(x + 1) (x^2 + x + 1) (x - 1)^3}$$

Sequence: A337483
Score: 4.28881
Type of gen. func.: ogf

{a(n + 7) - a(n + 6) - a(n + 5) + a(n + 3) + a(n + 2) - a(n + 1), a(0) = 0,

a(1) = 0, a(2) = 0, a(3) = 1, a(4) = 2, a(5) = 4, a(6) = 5}

Sequence: A337484
Score: 10.659
Type of gen. func.: ogf

$$\frac{x^3 (x^3 - 2 x^2 - 2 x - 1)}{(x + 1) (x^2 + x + 1) (x - 1)^3}$$

Sequence: A337484
Score: 4.25254
Type of gen. func.: ogf

{a(n + 7) - a(n + 6) - a(n + 5) + a(n + 3) + a(n + 2) - a(n + 1), a(0) = 0,

a(1) = 0, a(2) = 0, a(3) = 1, a(4) = 3, a(5) = 6, a(6) = 8}

Sequence: A337492
Score: 13.962
Type of gen. func.: ogf

$$-\frac{1}{2 x^5 + 2 x^4 + 4 x^3 + x - 1}$$

Sequence: A337492
Score: 3.89415
Type of gen. func.: ogf

$\{-a(n + 5) + a(n + 4) + 4 a(n + 2) + 2 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 5, a(4) = 11\}$

Sequence: A337499
Score: 4.06243
Type of gen. func.: ogf

$$-(25 f(x) + 29) (4 f(x)^2 x^4 - f(x)^2 x^2 + 8 f(x) x^3 + 8 f(x) x^2 - 2 f(x) x + 5 x^2 - 2 f(x) + 6 x + 2)$$

Sequence: A337512
Score: 8.97619
Type of gen. func.: ogf

$$-f(x)^3 x^3 - f(x)^2 x^2 - f(x) x - f(x) + 1$$

Sequence: A337519
Score: 16.1547
Type of gen. func.: ogf

$$\frac{x^3 + 2 x^2 - 7 x - 4}{(x + 1) (x - 1)^3}$$

Sequence: A337519
Score: 6.68907
Type of gen. func.: ogf

$-(216 f(x) - 3679)$

$$(f(x)\,x^4 - 2\,f(x)\,x^3 - x^3 + 2\,f(x)\,x - 2\,x^2 - f(x) + 7\,x + 4)$$

Sequence: A337519
Score: 7.19496
Type of gen. func.: ogf

{a(n + 4) - 2 a(n + 3) + 2 a(n + 1) - a(n), a(0) = 4, a(1) = 15, a(2) = 28,

a(3) = 47}

Sequence: A337589
Score: 11.695
Type of gen. func.: ogf

$$-f(x)^2\,x^2 + f(x)\,x^3 + x^2 - f(x) + 1$$

Sequence: A337631
Score: 16.1427
Type of gen. func.: ogf

$$-\frac{x\,(2\,x + 1)}{(x - 1)^2\,(2\,x - 1)^3}$$

Sequence: A337631
Score: 4.27306
Type of gen. func.: ogf

{a(n + 5) - 8 a(n + 4) + 25 a(n + 3) - 38 a(n + 2) + 28 a(n + 1) - 8 a(n),

a(0) = 0, a(1) = 1, a(2) = 10, a(3) = 55, a(4) = 228}

Sequence: A337654
Score: 8.51529
Type of gen. func.: ogf

$$\frac{x\,(x^4 - x^3 + x^2 - x + 1)}{x^8 + x^7 - x^5 - x^4 - 2\,x^3 + x^2 - 2\,x + 1}$$

Sequence: A337675
Score: 2.07309
Type of gen. func.: ogf

$$-\frac{768 x^7 - 448 x^6 - 208 x^5 + 84 x^4 + 2 x^3 + 2 x^2 + 3 x - 1}{(x - 1) (2 x + 1) (2 x - 1) (4 x - 1) (64 x^4 - 4 x^2 - 1)}$$

Sequence: A337749
Score: 18.3426
Type of gen. func.: lgdegf]

$$\frac{(x - 1)^2}{x^2 + 1}$$

Sequence: A337749
Score: 3.20395
Type of gen. func.: ogf

$$\{-a(n + 2) n^2 + a(n + 1) n^2 - 7 a(n + 2) n + 5 a(n + 1) n - a(n + 4) + a(n + 3) - 12 a(n + 2) + 6 a(n + 1), a(0) = 1, a(1) = 1, a(2) = -1, a(3) = -5\}$$

Sequence: A337750
Score: 10.7898
Type of gen. func.: lgdegf]

$$\frac{x^3 - 3 x^2 + 1}{(x + 1) (x^2 - x + 1)}$$

Sequence: A337750
Score: 3.63221
Type of gen. func.: egf]

$$\{a(n + 5) n + a(n + 2) n + 5 a(n + 5) - a(n + 4) + 5 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 1, a(2) = 1/2, a(3) = -5/6, a(4) = \frac{-23}{}\}$$

Sequence: A337751
Score: 13.8685
Type of gen. func.: lgdegf]

$$\frac{x^4 - 4 x^3 + 1}{x^4 + 1}$$

Sequence: A337751
Score: 3.24848
Type of gen. func.: egf]

$$\{a(n + 2) n + a(n + 6) n - a(n + 5) + 6 a(n + 2) - a(n + 1) + 6 a(n + 6),$$
$$a(0) = 1, a(1) = 1, a(2) = 1/2, a(3) = 1/6, a(4) = \frac{-23}{24}, a(5) = \frac{-119}{120}\}$$

Sequence: A337753
Score: 11.6366
Type of gen. func.: ogf

$$- \frac{5 x^2 - 4 x + 2}{(5 x - 1) (x^2 - x + 1)}$$

Sequence: A337753
Score: 13.2698
Type of gen. func.: ogf

$$- \frac{5 x^2 - 4 x + 2}{(5 x - 1) (x^2 - x + 1)}$$

Sequence: A337753
Score: 6.1494
Type of gen. func.: ogf

$-(24794 f(x) - 23085)$

$$(5 f(x) x^3 - 6 f(x) x^2 + 6 f(x) x + 5 x^2 - f(x) - 4 x + 2)$$

Sequence: A337753
Score: 7.20359
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 6 a(n + 1) - 5 a(n), a(0) = 2, a(1) = 8, a(2) = 41\}$$

Sequence: A337843
Score: 8.61302
Type of gen. func.: ogf

$$- \frac{(x^2 - x + 1) (x^9 - x^7 - x^6 + x^4 + x^3 - x - 1)}{(x - 1)^2}$$

Sequence: A337843
Score: 9.18091
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{x^{32} - x^{29} - 2 x^{22} + x^{10} + x^9 + 2}{x^{22} - x^{10} - 1}$$

Sequence: A337843
Score: 9.38722
Type of gen. func.: ogf

$$- \frac{(x^2 - x + 1) (x^9 - x^7 - x^6 + x^4 + x^3 - x - 1)}{(x - 1)^2}$$

Sequence: A337855
Score: 10.2767
Type of gen. func.: ogf

$$\{-a(n + 3) + 10 a(n + 2), a(0) = 0, a(1) = 2, a(2) = 18\}$$

Sequence: A337855
Score: 11.6369
Type of gen. func.: ogf

$$-f(x) (10 f(x) x - 2 x^2 - f(x) + 2 x)$$

Sequence: A337855
Score: 18.8406
Type of gen. func.: ogf

$$\frac{2 x (x - 1)}{10 x - 1}$$

Sequence: A337855
Score: 23.2737
Type of gen. func.: ogf

$$\frac{2 x (x - 1)}{10 x - 1}$$

Sequence: A337879
Score: 11.1801
Type of gen. func.: ogf

$$- \frac{x^5 + x^3 + x^2 + x + 1}{x^6 + x^3 - 1}$$

Sequence: A337879
Score: 12.5561
Type of gen. func.: ogf

$$- \frac{x^5 + x^3 + x^2 + x + 1}{x^6 + x^3 - 1}$$

Sequence: A337879
Score: 6.68975
Type of gen. func.: ogf

$$\{-a(n + 6) + a(n + 3) + a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 2, a(4) = 1, a(5) = 2\}$$

Sequence: A337895
Score: 17.4825
Type of gen. func.: ogf

$$\frac{x^4 + 1}{(x - 1)^6}$$

Sequence: A337895
Score: 22.3053
Type of gen. func.: ogf

$$\frac{x^4 + 1}{(x - 1)^6}$$

Sequence: A337895
Score: 3.18647
Type of gen. func.: ogf

$$\{a(n + 6) - 6 a(n + 5) + 15 a(n + 4) - 20 a(n + 3) + 15 a(n + 2) - 6 a(n + 1) + a(n), a(0) = 1, a(1) = 6, a(2) = 21, a(3) = 56, a(4) = 127, a(5) = 258\}$$

Sequence: A337896
Score: 7.37622
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^4 + 56 x^3 + 306 x^2 + 56 x + 1)}{(x - 1)^9}$$

Sequence: A337896
Score: 8.18458
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^{4} + 56 x^{3} + 306 x^{2} + 56 x + 1)}{(x - 1)^{9}}$$

Sequence: A337897
Score: 8.54316
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^{4} + 13 x^{3} + 62 x^{2} + 13 x + 1)}{(x - 1)^{7}}$$

Sequence: A337897
Score: 9.54823
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^{4} + 13 x^{3} + 62 x^{2} + 13 x + 1)}{(x - 1)^{7}}$$

Sequence: A337898
Score: 15.2244
Type of gen. func.: ogf

$$\frac{10 x^{2} + 4 x + 1}{(x - 1)^{6}}$$

Sequence: A337898
Score: 18.8066
Type of gen. func.: ogf

$$\frac{10 x^{2} + 4 x + 1}{{}^{6}}$$

$$(x - 1)$$

Sequence: A337898
Score: 3.10401
Type of gen. func.: ogf

$$\{-a(n + 6) + 6 a(n + 5) - 15 a(n + 4) + 20 a(n + 3) - 15 a(n + 2) + 6 a(n + 1) - a(n), a(0) = 1, a(1) = 10, a(2) = 55, a(3) = 200, a(4) = 560, a(5) = 1316\}$$

Sequence: A337899
Score: 11.4159
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^2 + 13 x + 1)}{(x - 1)^7}$$

Sequence: A337899
Score: 9.94287
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^2 + 13 x + 1)}{(x - 1)^7}$$

Sequence: A337902
Score: 2.74022
Type of gen. func.: ogf

$$\{-a(n + 2) n^3 + 16 a(n + 1) n^3 - 11 a(n + 2) n^2 + 160 a(n + 1) n^2 - 38 a(n + 2) n + 532 a(n + 1) n - 40 a(n + 2) + 588 a(n + 1), a(0) = 3, a(1) = 50\}$$

Sequence: A337905
Score: 7.47966
Type of gen. func.: ogf

$$-1/6 \frac{\mathrm{HeunG}\left(8/9, 2/3, 1, 1, 1, 1, \frac{8 x}{6 x - 1}\right) + 6 x - 1}{(6 x - 1) x^2}$$

Sequence: A337922
Score: 6.06827
Type of gen. func.: ogf

$$- \frac{1176470588235294 (5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1)}{10000000000000001 x^5 - 1}$$

Sequence: A337922
Score: 6.61993
Type of gen. func.: ogf

$$- \frac{1176470588235294 (5 x^4 + 4 x^3 + 3 x^2 + 2 x + 1)}{10000000000000001 x^5 - 1}$$

Sequence: A337928
Score: 11.4521
Type of gen. func.: ogf

$$\frac{x^2 + 3 x - 1}{(x - 1) (x^2 - 7 x + 1)}$$

Sequence: A337928
Score: 13.1807
Type of gen. func.: ogf

$$\frac{x^2 + 3 x - 1}{(x - 1) (x^2 - 7 x + 1)}$$

Sequence: A337928
Score: 5.82146
Type of gen. func.: ogf

$$-(1317 f(x) + 307) (f(x) x^3 - 8 f(x) x^2 + 8 f(x) x - x^2 - f(x) - 3 x + 1)$$

Sequence: A337928
Score: 6.6531
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 8 a(n + 1) - a(n), a(0) = 1, a(1) = 5, a(2) = 31\}$$

Sequence: A337929
Score: 11.8574
Type of gen. func.: ogf

$$\frac{x^2 - 3 x - 1}{(x - 1) (x^2 - 7 x + 1)}$$

Sequence: A337929
Score: 13.6472
Type of gen. func.: ogf

$$\frac{x^2 - 3 x - 1}{(x - 1) (x^2 - 7 x + 1)}$$

Sequence: A337929
Score: 6.02753
Type of gen. func.: ogf

$$-(9069 f(x) - 254) (f(x) x^3 - 8 f(x) x^2 + 8 f(x) x - x^2 - f(x) + 3 x + 1)$$

Sequence: A337929
Score: 6.82362
Type of gen. func.: ogf

{-a(n + 3) + 8 a(n + 2) - 8 a(n + 1) + a(n), a(0) = 1, a(1) = 11, a(2) = 79}

Sequence: A337934
Score: 10.6198
Type of gen. func.: ogf

$$-\frac{2\left(x^7 - x^6 + x^5 - x^4 + x^3 - x^2 + 14 x - 15\right)}{(x - 1)^2}$$

Sequence: A337934
Score: 11.6952
Type of gen. func.: ogf

$$-\frac{2\left(x^7 - x^6 + x^5 - x^4 + x^3 - x^2 + 14 x - 15\right)}{(x - 1)^2}$$

Sequence: A337941
Score: 3.11224
Type of gen. func.: ogf

$$-\left(f(x) x^2 - 2 f(x) x + f(x) - 1\right)^2$$

Sequence: A337956
Score: 7.49763
Type of gen. func.: ogf

$$-\frac{x^6 + 21 x^5 + 102 x^4 + 52 x^3 + 27 x^2 + 6 x + 1}{(x - 1)^9}$$

Sequence: A337956
Score: 8.30818
Type of gen. func.: ogf

$$-\frac{x^6 + 21 x^5 + 102 x^4 + 52 x^3 + 27 x^2 + 6 x + 1}{}$$

$$(x - 1)^{9}$$

Sequence: A337957
Score: 8.02306
Type of gen. func.: ogf

$$-\frac{x^{6} + 6 x^{5} + 27 x^{4} + 37 x^{3} + 27 x^{2} + 6 x + 1}{(x - 1)^{9}}$$

Sequence: A337957
Score: 8.91451
Type of gen. func.: ogf

$$-\frac{x^{6} + 6 x^{5} + 27 x^{4} + 37 x^{3} + 27 x^{2} + 6 x + 1}{(x - 1)^{9}}$$

Sequence: A337958
Score: 10.5153
Type of gen. func.: ogf

$$-\frac{x^{5} - 8 x^{4} - 56 x^{3} - 34 x^{2} - 7 x - 1}{(x - 1)^{8}}$$

Sequence: A337958
Score: 9.33047
Type of gen. func.: ogf

$$-\frac{x^{5} - 8 x^{4} - 56 x^{3} - 34 x^{2} - 7 x - 1}{(x - 1)^{8}}$$

Sequence: A337962
Score: 5.96571
Type of gen. func.: ogf

$$-\frac{(x+1)\,(x^{6}+58\,x^{5}+1025\,x^{4}+2872\,x^{3}+1025\,x^{2}+58\,x+1)}{(x-1)^{9}}$$

Sequence: A337962
Score: 6.48447
Type of gen. func.: ogf

$$-\frac{(x+1)\,(x^{6}+58\,x^{5}+1025\,x^{4}+2872\,x^{3}+1025\,x^{2}+58\,x+1)}{(x-1)^{9}}$$

Sequence: A337976
Score: 5.61561
Type of gen. func.: ogf

$$-\frac{x^{7}\,(x^{4}+x^{3}+2\,x^{2}+2\,x+1)}{(x-1)\,(x+1)\,(x^{2}+1)\,(x^{2}+x+1)}$$

Sequence: A337976
Score: 6.04347
Type of gen. func.: ogf

$$-\frac{x^{7}\,(x^{4}+x^{3}+2\,x^{2}+2\,x+1)}{(x-1)\,(x+1)\,(x^{2}+1)\,(x^{2}+x+1)}$$

Sequence: A337985
Score: 4.70304
Type of gen. func.: ogf

$$-\frac{x\,(x^{6}+x^{3}+1)}{(x-1)\,(x^{2}+1)\,(x^{2}+x+1)\,(x^{4}-x^{2}+1)}$$

Sequence: A337985
Score: 5.06136
Type of gen. func.: ogf

$$-\frac{x (x^6 + x^3 + 1)}{(x - 1) (x^2 + 1) (x^2 + x + 1) (x^4 - x^2 + 1)}$$

Sequence: A338024
Score: 2.41629
Type of gen. func.: ogf

$$-\frac{4 x^{10} - 4 x^9 + 4 x^8 - 8 x^6 - 8 x^4 - 6 x^3 - 8 x^2 - 5 x - 1}{(x - 1) (x + 1) (2 x^3 + x - 1)}$$

Sequence: A338024
Score: 2.5801
Type of gen. func.: ogf

$$-\frac{4 x^{10} - 4 x^9 + 4 x^8 - 8 x^6 - 8 x^4 - 6 x^3 - 8 x^2 - 5 x - 1}{(x - 1) (x + 1) (2 x^3 + x - 1)}$$

Sequence: A338041
Score: 13.9187
Type of gen. func.: ogf

$$\frac{3 x^3 - 3 x^2 - x - 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A338041
Score: 16.0196
Type of gen. func.: ogf

$$\frac{3 x^3 - 3 x^2 - x - 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A338041
Score: 5.1457
Type of gen. func.: ogf

$$\{-a(n + 5) + a(n + 4) + 2 a(n + 3) - 2 a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 2, a(2) = 7, a(3) = 6, a(4) = 15\}$$

Sequence: A338042
Score: 12.1813
Type of gen. func.: ogf

$$-\frac{2 (2 x^4 - x^3 - x^2 + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A338042
Score: 13.7789
Type of gen. func.: ogf

$$-\frac{2 (2 x^4 - x^3 - x^2 + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A338042
Score: 5.12507
Type of gen. func.: ogf

$$\{-a(n + 5) + a(n + 4) + 2 a(n + 3) - 2 a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 2, a(2) = 4, a(3) = 2, a(4) = 8\}$$

Sequence: A338043
Score: 11.6937
Type of gen. func.: ogf

$$-\frac{3 x^4 - 5 x^3 + 3 x^2 + x + 2}{(x + 1)^2 (x - 1)^3}$$

Sequence: A338043
Score: 13.133
Type of gen. func.: ogf

$$-\frac{3 x^4 - 5 x^3 + 3 x^2 + x + 2}{(x + 1)^2 (x - 1)^3}$$

Sequence: A338043
Score: 5.14243
Type of gen. func.: ogf

$$\{a(n + 5) - a(n + 4) - 2 a(n + 3) + 2 a(n + 2) + a(n + 1) - a(n), a(0) = 2,$$
$$a(1) = 3, a(2) = 10, a(3) = 7, a(4) = 22\}$$

Sequence: A338062
Score: 21.1705
Type of gen. func.: ogf

$$\frac{3 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A338062
Score: 25.7479
Type of gen. func.: ogf

$$\frac{3 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A338062
Score: 8.98749
Type of gen. func.: ogf

$$(96 f(x) + 569) (f(x) x^3 - f(x) x^2 - f(x) x + f(x) - 3 x - 1)$$

Sequence: A338062
Score: 9.16033
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 4, a(2) = 5\}$$

Sequence: A338064
Score: 17.2154
Type of gen. func.: ogf

$$\frac{x^2 + x + 2}{(x + 1) (x - 1)^2}$$

Sequence: A338064
Score: 20.276
Type of gen. func.: ogf

$$\frac{x^2 + x + 2}{(x + 1) (x - 1)^2}$$

Sequence: A338064
Score: 8.00367
Type of gen. func.: ogf

$$(32 f(x) + 251) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) - x - 2)$$

Sequence: A338064
Score: 8.77325
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 2, a(1) = 3, a(2) = 6\}$$

Sequence: A338075
Score: 13.5771
Type of gen. func.: ogf

$$(x + 1) \mathrm{LegendreP}(-1/3, 1 - 54 x)$$

Sequence: A338076
Score: 12.6907
Type of gen. func.: ogf

$$\mathrm{hypergeom}([1/3, 2/3], [1], 162 x)$$

Sequence: A338076
Score: 3.69842
Type of gen. func.: ogf

$$\{a(n + 2) n^2 - 162 a(n + 1) n^2 + 4 a(n + 2) n - 486 a(n + 1) n + 4 a(n + 2) - 360 a(n + 1), a(0) = 1, a(1) = 36\}$$

Sequence: A338089
Score: 2.87693
Type of gen. func.: ogf

$$-\frac{4 x^8 - 4 x^6 - 4 x^5 - 4 x^4 - 6 x^3 - 8 x^2 - 7 x - 3}{(x - 1) (x + 1) (2 x^3 + x - 1)}$$

Sequence: A338100
Score: 12.1781
Type of gen. func.: ogf

$$\{a(n + 2) - 12 a(n + 1), a(0) = 1, a(1) = 16\}$$

Sequence: A338100
Score: 17.4729
Type of gen. func.: ogf

$$-12 f(x) x + f(x) - 4 x - 1$$

Sequence: A338100
Score: 26.7918
Type of gen. func.: ogf

$$-\frac{4x+1}{12x-1}$$

Sequence: A338109
Score: 17.5936
Type of gen. func.: ogf

$$-\frac{4x^3-55x^2-56x-1}{(x-1)^4}$$

Sequence: A338109
Score: 5.07301
Type of gen. func.: ogf

$$(453560407848 f(x) + 23493378225847) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 4 x^3 - 4 f(x) x - 55 x^2 + f(x) - 56 x - 1)$$

Sequence: A338109
Score: 5.94892
Type of gen. func.: ogf

{-a(n + 4) + 4 a(n + 3) - 6 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 1, a(1) = 60,

a(2) = 289, a(3) = 796}

Sequence: A338112
Score: 17.5662
Type of gen. func.: egf]

$$\frac{x^3-2x^2+x+1}{(x-1)^2}$$

Sequence: A338112
Score: 9.11662
Type of gen. func.: egf]

$$f(x)\, x^{2} - x^{3} - 2\, f(x)\, x + 2\, x^{2} + f(x) - x - 1$$

Sequence: A338153
Score: 4.10651
Type of gen. func.: ogf

$$(10801516804795\, f(x) + 124256710191208)\, (56\, f(x)\, x^{4} - 106\, f(x)\, x^{3} + 63\, f(x)\, x^{2} + 784\, x^{3} - 14\, f(x)\, x - 1484\, x^{2} + f(x) + 994\, x - 204)$$

Sequence: A338153
Score: 4.77751
Type of gen. func.: ogf

$$\{-a(n + 4) + 14\, a(n + 3) - 63\, a(n + 2) + 106\, a(n + 1) - 56\, a(n),\ a(0) = 204,\ a(1) = 1862,\ a(2) = 14700,\ a(3) = 109334\}$$

Sequence: A338153
Score: 8.21302
Type of gen. func.: ogf

$$-\frac{2\, (392\, x^{3} - 742\, x^{2} + 497\, x - 102)}{(x - 1)\, (4\, x - 1)\, (2\, x - 1)\, (7\, x - 1)}$$

Sequence: A338154
Score: 3.66114
Type of gen. func.: ogf

$$-(469754057344\, f(x) + 8228520359847)\, (81\, f(x)\, x^{4} - 153\, f(x)\, x^{3} + 88\, f(x)\, x^{2} + 1944\, x^{3} - 17\, f(x)\, x - 3672\, x^{2} + f(x) + 2274\, x - 426)$$

Sequence: A338154
Score: 4.30722
Type of gen. func.: ogf

$\{-a(n + 4) + 17 a(n + 3) - 88 a(n + 2) + 153 a(n + 1) - 81 a(n), a(0) = 426,$
$a(1) = 4968, a(2) = 50640, a(3) = 486930\}$

Sequence: A338154
Score: 7.84529
Type of gen. func.: ogf

$$-\frac{6 (324 x^3 - 612 x^2 + 379 x - 71)}{(x - 1) (9 x - 1) (9 x^2 - 7 x + 1)}$$

Sequence: A338186
Score: 16.4014
Type of gen. func.: ogf

$$\frac{2 (6 x^2 + 3 x - 1)}{(9 x - 1) (x - 1)^2}$$

Sequence: A338186
Score: 6.18208
Type of gen. func.: ogf

$$-(1586336 f(x) + 1533417)$$

$$(9 f(x) x^3 - 19 f(x) x^2 + 11 f(x) x - 12 x^2 - f(x) - 6 x + 2)$$

Sequence: A338186
Score: 7.37313
Type of gen. func.: ogf

$\{a(n + 3) - 11 a(n + 2) + 19 a(n + 1) - 9 a(n), a(0) = 2, a(1) = 16, a(2) = 126$
$\}$

Sequence: A338192
Score: 10.0595
Type of gen. func.: ogf

3   2

$$-\frac{x\,(2\,x + 2\,x - 1)}{(x^2 + x - 1)\,(x^3 + x^2 + x - 1)}$$

Sequence: A338192
Score: 4.99889
Type of gen. func.: ogf

$\{a(n + 5) - 2\,a(n + 4) - a(n + 3) + a(n + 2) + 2\,a(n + 1) + a(n),\ a(0) = 0,$

$a(1) = 1,\ a(2) = 2,\ a(3) = 3,\ a(4) = 5\}$

Sequence: A338192
Score: 5.2569
Type of gen. func.: ogf

$-(f(x) - 4)\,($

$f(x)\,x^5 + 2\,f(x)\,x^4 + f(x)\,x^3 + 2\,x^4 - f(x)\,x^2 + 2\,x^3 - 2\,f(x)\,x + f(x) - x$

$)$

Sequence: A338200
Score: 7.86201
Type of gen. func.: ogf

$$-\frac{x^2\,(x^5 + x^4 - x^2 - x - 1)}{(x^2 + 1)\,(x^2 + x + 1)\,(x + 1)^2\,(x - 1)^4}$$

Sequence: A338206
Score: 8.94513
Type of gen. func.: ogf

$$\frac{x\,(x^2 + 1)\,(2\,x^4 + x^3 + 2\,x^2 + x + 2)}{(x^2 + x + 1)\,(x^2 - x + 1)\,(x - 1)^2\,(x + 1)^2}$$

Sequence: A338225
Score: 14.7385
Type of gen. func.: ogf

$$-\frac{3x^2 - 7x - 2}{(x+1)(x^2 - 3x + 1)}$$

Sequence: A338225
Score: 6.94294
Type of gen. func.: ogf

$$(119667 f(x) + 124525) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x + 3 x^2 + f(x) - 7 x - 2)$$

Sequence: A338225
Score: 7.92543
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 2, a(1) = 11, a(2) = 23\}$$

Sequence: A338226
Score: 23.6398
Type of gen. func.: ogf

$$\frac{9x}{(10x - 1)^2 (x - 1)^2}$$

Sequence: A338226
Score: 5.54313
Type of gen. func.: ogf

$$\{-a(n + 4) + 22 a(n + 3) - 141 a(n + 2) + 220 a(n + 1) - 100 a(n), a(0) = 0,$$
$$a(1) = 9, a(2) = 198, a(3) = 3087\}$$

Sequence: A338226
Score: 5.86682
Type of gen. func.: ogf

$$-(356653 f(x) + 52650)$$
$$(100 f(x) x^4 - 220 f(x) x^3 + 141 f(x) x^2 - 22 f(x) x + f(x) - 9 x)$$

Sequence: A338229
Score: 13.8784
Type of gen. func.: ogf

$$\frac{x\,(5\,x^{4} - 8\,x^{3} + 7\,x^{2} - 4\,x + 1)}{(2\,x - 1)^{3}\,(x - 1)^{3}}$$

Sequence: A338229
Score: 4.48805
Type of gen. func.: ogf

$$\{a(n + 6) - 9\,a(n + 5) + 33\,a(n + 4) - 63\,a(n + 3) + 66\,a(n + 2) - 36\,a(n + 1) + 8\,a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 5,\ a(3) = 19,\ a(4) = 61,\ a(5) = 176\}$$

Sequence: A338230
Score: 19.5909
Type of gen. func.: ogf

$$\frac{x^{2}\,(3\,x^{2} - 1)}{(2\,x - 1)^{2}\,(x - 1)^{3}}$$

Sequence: A338230
Score: 5.31078
Type of gen. func.: ogf

$$\{-a(n + 5) + 7\,a(n + 4) - 19\,a(n + 3) + 25\,a(n + 2) - 16\,a(n + 1) + 4\,a(n),\ a(0) = 0,\ a(1) = 0,\ a(2) = 1,\ a(3) = 7,\ a(4) = 27\}$$

Sequence: A338232
Score: 12.6071
Type of gen. func.: ogf

$$-\frac{x^{2}\,(11\,x^{4} - 11\,x^{3} + 5\,x^{2} - 3\,x + 1)}{(2\,x - 1)^{3}\,(x - 1)^{4}}$$

Sequence: A338284
Score: 11.7484
Type of gen. func.: ogf

$$-\frac{x^5 - x^4 - x^3 + 2 x^2 + 2 x + 7}{(x - 1)^3 (x + 1)^3}$$

Sequence: A338284
Score: 5.99742
Type of gen. func.: ogf

{a(n + 6) - 3 a(n + 4) + 3 a(n + 2) - a(n), a(0) = 7, a(1) = 2, a(2) = 23,

a(3) = 5, a(4) = 47, a(5) = 10}

Sequence: A338321
Score: 4.6799
Type of gen. func.: ogf

{a(n + 6) - a(n + 5) - a(n + 4) + a(n + 2) + a(n + 1) - a(n), a(0) = 1,

a(1) = 3, a(2) = 4, a(3) = 5, a(4) = 6, a(5) = 9}

Sequence: A338321
Score: 9.69015
Type of gen. func.: ogf

$$-\frac{2 x^5 - 2 x^4 - 2 x^3 + 2 x + 1}{(x + 1) (x^2 + x + 1) (x - 1)^3}$$

Sequence: A338329
Score: 9.12122
Type of gen. func.: ogf

$$-\frac{2 x^7 - 2 x^5 - x^4 + 2 x^3 - 2 x^2 - 1}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A338426
Score: 5.43928
Type of gen. func.: ogf

$$\frac{6 x^{6} - 4 x^{5} - 9 x^{4} + 15 x^{3} - 8 x^{2} + 5 x - 1}{(x - 1) (6 x^{7} - 4 x^{6} - 30 x^{5} - 2 x^{4} + 27 x^{3} - 12 x^{2} - 6 x + 1)}$$

Sequence: A338429
Score: 17.2148
Type of gen. func.: ogf

$$- \frac{4 (x^{2} + 1)}{(x + 1)^{3} (x - 1)^{5}}$$

Sequence: A338429
Score: 3.6714
Type of gen. func.: ogf

$$\{a(n + 5) n - a(n + 1) n + 5 a(n + 5) - 2 a(n + 4) - 10 a(n + 3) - 2 a(n + 2) - 7 a(n + 1), a(0) = 4, a(1) = 8, a(2) = 28, a(3) = 48, a(4) = 104\}$$

Sequence: A338532
Score: 4.15888
Type of gen. func.: ogf

$$-(5278803024775392 f(x) - 969320100422105) (f(x) x^{4} - 95 f(x) x^{3} + 384 f(x) x^{2} + 15 x^{3} - 95 f(x) x + 111 x^{2} + f(x) - 97 x - 1)$$

Sequence: A338532
Score: 4.93521
Type of gen. func.: ogf

$$\{-a(n + 4) + 95 a(n + 3) - 384 a(n + 2) + 95 a(n + 1) - a(n), a(0) = 1, a(1) = 192, a(2) = 17745, a(3) = 1612127\}$$

Sequence: A338532
Score: 8.70919
Type of gen. func.: ogf

$$-\frac{15 x^3 + 111 x^2 - 97 x - 1}{x^4 - 95 x^3 + 384 x^2 - 95 x + 1}$$

Sequence: A338532
Score: 9.61404
Type of gen. func.: ogf

$$-\frac{15 x^3 + 111 x^2 - 97 x - 1}{x^4 - 95 x^3 + 384 x^2 - 95 x + 1}$$

Sequence: A338544
Score: 16.709
Type of gen. func.: ogf

$$-\frac{x^3 (x + 4)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A338544
Score: 19.6795
Type of gen. func.: ogf

$$-\frac{x^3 (x + 4)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A338544
Score: 5.50048
Type of gen. func.: ogf

{-a(n + 5) + a(n + 4) + 2 a(n + 3) - 2 a(n + 2) - a(n + 1) + a(n), a(0) = 0,

```
    a(1) = 0, a(2) = 0, a(3) = 4, a(4) = 5}



------------------------------------------------------------------------------

Sequence:  A338588
Score: 11.6756
Type of gen. func.: ogf


                               3       2
                              x  - 38 x  - 69 x - 2
                            - ---------------------
                                             4
                                    (x - 1)



------------------------------------------------------------------------------

Sequence:  A338588
Score: 13.6629
Type of gen. func.: ogf


                               3       2
                              x  - 38 x  - 69 x - 2
                            - ---------------------
                                             4
                                    (x - 1)



------------------------------------------------------------------------------

Sequence:  A338588
Score: 3.9396
Type of gen. func.: ogf


(502475654664 f(x) + 25423479158545)

           4            3            2    3                   2
    (f(x) x  - 4 f(x) x  + 6 f(x) x  + x  - 4 f(x) x - 38 x  + f(x) - 69 x - 2)



------------------------------------------------------------------------------

Sequence:  A338588
Score: 4.61982
Type of gen. func.: ogf


{-a(n + 4) + 4 a(n + 3) - 6 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 2, a(1) = 77,

    a(2) = 334, a(3) = 881}



------------------------------------------------------------------------------

Sequence:  A338645
Score: 15.1515
Type of gen. func.: ogf_with_Euler_transform]


                                   2
                                  x  + 3 x + 3
```

$$-\frac{}{(x-1)^3\,(x+1)^3}$$

Sequence: A338709
Score: 7.83914
Type of gen. func.: ogf

$$-\frac{3\,(37\,x^4-89\,x^3+53\,x^2-15\,x-2)}{(3\,x^2-6\,x+1)\,(3\,x-1)^2\,(x-1)^2}$$

Sequence: A338709
Score: 8.54378
Type of gen. func.: ogf

$$-\frac{3\,(37\,x^4-89\,x^3+53\,x^2-15\,x-2)}{(3\,x^2-6\,x+1)\,(3\,x-1)^2\,(x-1)^2}$$

Sequence: A338712
Score: 10.321
Type of gen. func.: ogf

$$\frac{9\,x^3+7\,x^2+3\,x+1}{(x-1)\,(x+1)\,(x^2+1)\,(10\,x^4-1)}$$

Sequence: A338712
Score: 11.2811
Type of gen. func.: ogf

$$\frac{9\,x^3+7\,x^2+3\,x+1}{(x-1)\,(x+1)\,(x^2+1)\,(10\,x^4-1)}$$

Sequence: A338717
Score: 11.1171
Type of gen. func.: ogf

$$-\frac{2 x^{2} + 7 x - 1}{(x + 1) (2 x^{2} - 11 x + 1)}$$

Sequence: A338717
Score: 12.6505
Type of gen. func.: ogf

$$-\frac{2 x^{2} + 7 x - 1}{(x + 1) (2 x^{2} - 11 x + 1)}$$

Sequence: A338717
Score: 6.21805
Type of gen. func.: ogf

$$(7978 f(x) - 3309) (2 f(x) x^{3} - 9 f(x) x^{2} - 10 f(x) x + 2 x^{2} + f(x) + 7 x - 1)$$

Sequence: A338717
Score: 6.92198
Type of gen. func.: ogf

$$\{-a(n + 3) + 10 a(n + 2) + 9 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 3, a(2) = 37\}$$

Sequence: A338754
Score: 4.54444
Type of gen. func.: ogf

$$\frac{11 x (91 x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}{(x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A338760
Score: 14.59
Type of gen. func.: ogf

7 6 5 2

$$\frac{x - 3 x + 2 x + 2 x - 2 x + 1}{(x - 1)^4}$$

Sequence: A338760
Score: 4.28676
Type of gen. func.: ogf

{a(n + 8) - 4 a(n + 7) + 6 a(n + 6) - 4 a(n + 5) + a(n + 4), a(0) = 1, a(1) = 2,

a(2) = 4, a(3) = 8, a(4) = 15, a(5) = 28, a(6) = 47, a(7) = 73}

Sequence: A338761
Score: 9.64802
Type of gen. func.: ogf

$$\frac{x^8 - 4 x^7 + 3 x^6 + 2 x^5 - 2 x^4 + 2 x^3 - x + 1}{(x + 1) (x - 1)^4}$$

Sequence: A338795
Score: 14.5995
Type of gen. func.: ogf

$$- \frac{x^4 + 86 x^3 + 258 x^2 + 86 x + 1}{(x - 1)^5}$$

Sequence: A338795
Score: 4.75525
Type of gen. func.: ogf

{a(n + 5) - 5 a(n + 4) + 10 a(n + 3) - 10 a(n + 2) + 5 a(n + 1) - a(n),

a(0) = 1, a(1) = 91, a(2) = 703, a(3) = 2701, a(4) = 7381}

Sequence: A338824
Score: 5.31068
Type of gen. func.: ogf

{a(n + 6) - a(n + 4) - a(n + 2) + a(n), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 2,

a(4) = 0, a(5) = 4}

Sequence: A338824
Score: 9.96662
Type of gen. func.: ogf

$$\frac{x^{2}\,(2\,x^{3} - x^{2} + 2\,x + 1)}{(x^{2} + 1)\,(x - 1)^{2}\,(x + 1)^{2}}$$

Sequence: A338839
Score: 5.90217
Type of gen. func.: ogf

$$- 2\,x\,(59\,x^{23} + 59\,x^{22} + 2\,x^{21} + 7\,x^{20} + 9\,x^{19} + 4\,x^{18} + 9\,x^{13} + 9\,x^{12} + 2\,x^{11} + 7\,x^{10} + 9\,x^{9} + 4\,x^{8} + 8\,x^{3} + 9\,x^{2} + 3\,x + 1) \;/\; ((x - 1)\,(x + 1)^{2})$$

Sequence: A338882
Score: 6.09364
Type of gen. func.: ogf

$$\frac{(8\,x^{8} + 7\,x^{7} + 6\,x^{6} + 5\,x^{5} + 4\,x^{4} + 3\,x^{3} + 2\,x^{2} + x + 1)\,(x^{18} - x^{9} + 1)}{(x - 1)^{2}\,(x^{2} + x + 1)^{2}\,(x^{6} + x^{3} + 1)^{2}}$$

Sequence: A338996
Score: 17.6902
Type of gen. func.: ogf

$$- \frac{x\,(2\,x + 5)}{(x - 1)^{5}}$$

Sequence: A338996
Score: 3.45431
Type of gen. func.: ogf

{-a(n + 5) + 5 a(n + 4) - 10 a(n + 3) + 10 a(n + 2) - 5 a(n + 1) + a(n),

a(0) = 0, a(1) = 5, a(2) = 27, a(3) = 85, a(4) = 205}

Sequence: A339029
Score: 11.1776
Type of gen. func.: ogf

$$-\frac{33 x^{6} + 4 x^{5} - 33 x^{4} - 8 x^{3} + 20 x^{2} - 4 x - 1}{(2 x - 1)^{4}}$$

Sequence: A339029
Score: 4.16986
Type of gen. func.: ogf

{-a(n + 7) + 8 a(n + 6) - 24 a(n + 5) + 32 a(n + 4) - 16 a(n + 3), a(0) = 1,

a(1) = 12, a(2) = 52, a(3) = 168, a(4) = 497, a(5) = 1412, a(6) = 3879}

Sequence: A339032
Score: 11.1294
Type of gen. func.: ogf

$$\frac{4 x^{5} - 9 x^{4} + 17 x^{3} - 15 x^{2} + 6 x - 1}{(2 x - 1)^{2} (x - 1)^{3}}$$

Sequence: A339032
Score: 4.15888
Type of gen. func.: ogf

{-a(n + 6) + 7 a(n + 5) - 19 a(n + 4) + 25 a(n + 3) - 16 a(n + 2) + 4 a(n + 1),

a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 10, a(4) = 31, a(5) = 86}

Sequence: A339048
Score: 19.2285
Type of gen. func.: ogf

$$-\frac{11\,x - 16\,x + 9}{(x-1)^{3}}$$

Sequence: A339048
Score: 6.52098
Type of gen. func.: ogf

$$(5\,f(x) - 117)\,(f(x)\,x^{3} - 3\,f(x)\,x^{2} + 3\,f(x)\,x + 11\,x^{2} - f(x) - 16\,x + 9)$$

Sequence: A339048
Score: 7.07465
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) + 3\,a(n+1) - a(n),\ a(0) = 9,\ a(1) = 11,\ a(2) = 17\}$$

Sequence: A339053
Score: 18.97
Type of gen. func.: ogf

$$-\frac{38\,x^{10} + 4\,x^{4} + 3}{x - 1}$$

Sequence: A339074
Score: 4.95733
Type of gen. func.: ogf

$$-(2862\,x^{7} - 11709\,x^{6} + 14097\,x^{5} + 984\,x^{4} - 14330\,x^{3} + 10853\,x^{2} - 3149\,x + 312) \Big/ ((2\,x - 1)\,(x + 1)\,(3\,x^{2} - 6\,x + 1)\,(3\,x - 1)^{2}\,(x - 1)^{2})$$

Sequence: A339124
Score: 11.2501
Type of gen. func.: ogf

$$\frac{(x + 1)\,(2\,x^{3} - 2\,x^{2} - 1)}{{}^{4} \qquad {}^{2}}$$

$$2 x - 2 x + 3 x - 1$$

Sequence: A339124
Score: 5.26084
Type of gen. func.: ogf

$$\{a(n + 5) - 3 a(n + 4) + 2 a(n + 3) - 2 a(n + 1), a(0) = 1, a(1) = 4, a(2) = 12, a(3) = 28, a(4) = 60\}$$

Sequence: A339124
Score: 6.14502
Type of gen. func.: ogf

$$(1 + 3 f(x)) (2 f(x) x^{4} - 2 x^{4} - 2 f(x) x^{2} + 3 f(x) x + 2 x^{2} - f(x) + x + 1)$$

Sequence: A339136
Score: 20.3996
Type of gen. func.: ogf

$$- \frac{9 x + 1}{(3 x - 1) (x - 1)^{2}}$$

Sequence: A339136
Score: 7.40162
Type of gen. func.: ogf

$$(308620 f(x) - 937143) (3 f(x) x^{3} - 7 f(x) x^{2} + 5 f(x) x - f(x) + 9 x + 1)$$

Sequence: A339136
Score: 7.89041
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 7 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 14, a(2) = 63\}$$

Sequence: A339137
Score: 4.22617
Type of gen. func.: ogf

$$\{-a(n+5) + 10\,a(n+4) - 26\,a(n+3) + 24\,a(n+2) - 5\,a(n+1) - 2\,a(n),$$

$$a(0) = 1,\ a(1) = 28,\ a(2) = 225,\ a(3) = 1540,\ a(4) = 10217\}$$

Sequence: A339137
Score: 9.97376
Type of gen. func.: ogf

$$-\frac{6x^3 + 29x^2 - 18x - 1}{(2x^3 + 9x^2 - 8x + 1)(x - 1)^2}$$

Sequence: A339196
Score: 20.7944
Type of gen. func.: ogf

$$-\frac{2x + 7}{(2x - 1)(x - 1)^2}$$

Sequence: A339196
Score: 7.47869
Type of gen. func.: ogf

$$(303597\,f(x) - 1666604)\,(2\,f(x)\,x^3 - 5\,f(x)\,x^2 + 4\,f(x)\,x - f(x) + 2x + 7)$$

Sequence: A339196
Score: 8.04312
Type of gen. func.: ogf

$$\{a(n+3) - 4\,a(n+2) + 5\,a(n+1) - 2\,a(n),\ a(0) = 7,\ a(1) = 30,\ a(2) = 85\}$$

Sequence: A339197
Score: 7.97811
Type of gen. func.: ogf

$$-\frac{11x^4 + 49x^3 + 69x^2 + 48x + 30}{{}^{4}\qquad{}^{3}\qquad{}^{2}\qquad\qquad\qquad{}^{2}}$$

$$(6 x + 5 x + 14 x + 8 x - 1) (x - 1)$$

Sequence: A339200
Score: 11.8103
Type of gen. func.: ogf

$$\frac{2 (3 x^4 + 4 x^3 + 2 x^2 - 2)}{6 x^4 + 8 x^3 + 15 x^2 + 4 x - 1}$$

Sequence: A339200
Score: 5.36175
Type of gen. func.: ogf

$$\{a(n + 5) - 4 a(n + 4) - 15 a(n + 3) - 8 a(n + 2) - 6 a(n + 1), a(0) = 4, a(1) = 16, a(2) = 120, a(3) = 744, a(4) = 4922\}$$

Sequence: A339200
Score: 5.42835
Type of gen. func.: ogf

$$-(392680621 f(x) + 64011260) (6 f(x) x^4 + 8 f(x) x^3 - 6 x^4 + 15 f(x) x^2 - 8 x^3 + 4 f(x) x - 4 x^2 - f(x) + 4)$$

Sequence: A339214
Score: 3.5501
Type of gen. func.: ogf

$$(4 x^{12} + 6 x^{11} + 18 x^{10} + 7 x^9 + 18 x^8 + 7 x^7 + 18 x^6 + 7 x^5 + 18 x^4 + 7 x^3 + 7 x^2 + 3 x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A339222
Score: 7.46466
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^3 (x^8 - x^5 - x^4 - 2 x^2 - 1)}{(x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A339240
Score: 3.19421
Type of gen. func.: ogf

$$\{-a(n + 3) n^2 + 8 a(n + 2) n^2 - 16 a(n + 1) n^2 - 3 a(n + 3) n + 26 a(n + 2) n - 56 a(n + 1) n - 2 a(n + 3) + 18 a(n + 2) - 48 a(n + 1), a(0) = 0, a(1) = 2, a(2) = 14\}$$

Sequence: A339240
Score: 4.93651
Type of gen. func.: ogf

$$256 f(x)^2 x^4 - 256 f(x)^2 x^3 + 96 f(x)^2 x^2 - 32 f(x) x^3 - 16 f(x)^2 x + 16 f(x) x^2 + 4 x^3 + f(x)^2 - 2 f(x) x$$

Sequence: A339252
Score: 19.611
Type of gen. func.: ogf

$$-\frac{(x - 1) (x + 1)}{(2 x - 1)^2}$$

Sequence: A339252
Score: 8.46369
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 4, a(2) = 11\}$$

Sequence: A339252
Score: 9.03428
Type of gen. func.: ogf

$$(3 f(x) + 5) (4 f(x) x^2 - 4 f(x) x + x^2 + f(x) - 1)$$

Sequence: A339254
Score: 14.8883
Type of gen. func.: ogf

$$-\frac{5 x^4 + 2 x^3 - 6 x^2 + x + 1}{(2 x - 1)^3}$$

Sequence: A339254
Score: 5.5963
Type of gen. func.: ogf

-(593649 f(x) + 54436)

$$(8 f(x) x^3 + 5 x^4 - 12 f(x) x^2 + 2 x^3 + 6 f(x) x - 6 x^2 - f(x) + x + 1)$$

Sequence: A339254
Score: 5.5963
Type of gen. func.: ogf

{-a(n + 5) + 6 a(n + 4) - 12 a(n + 3) + 8 a(n + 2), a(0) = 1, a(1) = 7,

a(2) = 24, a(3) = 70, a(4) = 193}

Sequence: A339265
Score: 13.8853
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^2 + x + 1}{(x - 1) (x + 1)}$$

Sequence: A339267
Score: 10.7161
Type of gen. func.: ogf

6   4   3   2

$$-\frac{x - x - 3x + 2x + x + 2}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A339276
Score: 18.8206
Type of gen. func.: ogf

$$-\frac{x^{39} + x^5 + 1}{x - 1}$$

Sequence: A339355
Score: 19.5101
Type of gen. func.: ogf

$$\frac{8 (x^2 + 1)}{(x + 1)^4 (x - 1)^6}$$

Sequence: A339355
Score: 4.12185
Type of gen. func.: ogf

{a(n + 5) n - a(n + 1) n + 5 a(n + 5) - 2 a(n + 4) - 12 a(n + 3) - 2 a(n + 2)

- 9 a(n + 1), a(0) = 8, a(1) = 16, a(2) = 64, a(3) = 112, a(4) = 272}

Sequence: A339356
Score: 18.8396
Type of gen. func.: ogf

$$-\frac{16 (x^2 + 1)}{(x + 1)^5 (x - 1)^7}$$

Sequence: A339356
Score: 4.01213
Type of gen. func.: ogf

$$\{a(n + 5) n - a(n + 1) n + 5 a(n + 5) - 2 a(n + 4) - 14 a(n + 3) - 2 a(n + 2) - 11 a(n + 1), a(0) = 16, a(1) = 32, a(2) = 144, a(3) = 256, a(4) = 688\}$$

Sequence: A339358
Score: 18.0918
Type of gen. func.: ogf

$$\frac{32 (x^2 + 1)}{(x + 1)^6 (x - 1)^8}$$

Sequence: A339358
Score: 3.83512
Type of gen. func.: ogf

$$\{a(n + 5) n - a(n + 1) n + 5 a(n + 5) - 2 a(n + 4) - 16 a(n + 3) - 2 a(n + 2) - 13 a(n + 1), a(0) = 32, a(1) = 64, a(2) = 320, a(3) = 576, a(4) = 1696\}$$

Sequence: A339404
Score: 4.14795
Type of gen. func.: ogf_with_Euler_transform]

$$- x (x + 1) (x^{12} - x^{11} + x^{10} - x^9 + x^8 - x^7 + x^6 - x^5 + x^4 - x^3 + x^2 - x + 1) / ((x - 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x^8 - x^4 + 1))$$

Sequence: A339411
Score: 5.18187
Type of gen. func.: ogf

$$\{-4 a(n + 1) n^3 - 24 a(n + 1) n^2 - 47 a(n + 1) n + 3 a(n + 2) - 30 a(n + 1), a(0) = 1, a(1) = 1\}$$

Sequence: A339420
Score: 4.67291
Type of gen. func.: ogf

$$- (6 x^{28} - 4 x^{26} - 6 x^{21} + 6 x^{14} - 3 x^{9} - 4 x^{7} + 8) / (6 x^{28} + 4 x^{26} - 3 x^{25} + 2 x^{23} + 6 x^{21} - 6 x^{18} + 6 x^{16} - 6 x^{14} - 3 x^{11} + 15 x^{9} + 4 x^{7} + 8 x^{2} - 8)$$

Sequence: A339483
Score: 17.5397
Type of gen. func.: ogf

$$- \frac{3 x (x + 3) (3 x + 1)}{(x - 1)^{5}}$$

Sequence: A339483
Score: 4.64287
Type of gen. func.: ogf

{-a(n + 5) + 5 a(n + 4) - 10 a(n + 3) + 10 a(n + 2) - 5 a(n + 1) + a(n),

a(0) = 0, a(1) = 9, a(2) = 75, a(3) = 294, a(4) = 810}

Sequence: A339486
Score: 12.6967
Type of gen. func.: ogf

$$- \frac{x^{5} + 9 x^{4} + 12 x^{3} + 8 x^{2} + x + 1}{x - 1}$$

Sequence: A339486
Score: 6.78617
Type of gen. func.: ogf

{a(n + 6) - a(n + 5), a(0) = 1, a(1) = 2, a(2) = 10, a(3) = 22, a(4) = 31,

a(5) = 32}

Sequence: A339487
Score: 15.5334
Type of gen. func.: ogf

```
                     --------------------------------------
                     (x - 1) (15 x - 1) (3 x - 1) (5 x - 1)



------------------------------------------------------------------------------

Sequence:  A339487
Score: 5.59203
Type of gen. func.: ogf


{-a(n + 4) + 24 a(n + 3) - 158 a(n + 2) + 360 a(n + 1) - 225 a(n), a(0) = 8,

    a(1) = 192, a(2) = 3344, a(3) = 52800}



------------------------------------------------------------------------------

Sequence:  A339487
Score: 6.3068
Type of gen. func.: ogf


(129971 f(x) + 22680)

               4             3             2
    (225 f(x) x  - 360 f(x) x  + 158 f(x) x  - 24 f(x) x + f(x) - 8)



------------------------------------------------------------------------------

Sequence:  A339488
Score: 14.9593
Type of gen. func.: ogf


                                         2
                           9 x (x + 1) (x  - 6 x + 1)
                           --------------------------
                                           5
                                    (x - 1)



------------------------------------------------------------------------------

Sequence:  A339488
Score: 4.7193
Type of gen. func.: ogf


{-a(n + 5) + 5 a(n + 4) - 10 a(n + 3) + 10 a(n + 2) - 5 a(n + 1) + a(n),

    a(0) = 0, a(1) = -9, a(2) = 0, a(3) = 135, a(4) = 576}



------------------------------------------------------------------------------

Sequence:  A339493
Score: 6.0717
Type of gen. func.: ogf


                2   7      6      5      4      3      2
               x  (x  + 4 x  + 5 x  + 3 x  + 3 x  + 2 x  - 3 x - 4)
             - ----------------------------------------------------
                       2            5    4    3    2
```

$$(x + x - 1) (x + x + x + x + x - 1)$$

Sequence: A339495
Score: 3.80519
Type of gen. func.: ogf

$$\{-a(n + 8) + a(n + 7) + a(n + 6) + a(n + 5) + a(n + 4) + a(n + 3), a(0) = 1, a(1) = 3, a(2) = 9, a(3) = 19, a(4) = 37, a(5) = 73, a(6) = 144, a(7) = 283\}$$

Sequence: A339495
Score: 7.50565
Type of gen. func.: ogf

$$- \frac{x^7 + 3 x^6 + 4 x^5 + 5 x^4 + 6 x^3 + 5 x^2 + 2 x + 1}{x^5 + x^4 + x^3 + x^2 + x - 1}$$

Sequence: A339531
Score: 16.3483
Type of gen. func.: ogf

$$- \frac{x^2 - 20 x - 17}{(x + 1) (x - 1)^2}$$

Sequence: A339531
Score: 7.06577
Type of gen. func.: ogf

$$(140 f(x) - 1009) (f(x) x^3 - f(x) x^2 - f(x) x + x^2 + f(x) - 20 x - 17)$$

Sequence: A339531
Score: 7.79216
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 17, a(1) = 37, a(2) = 53\}$$

Sequence: A339532
Score: 5.9819
Type of gen. func.: ogf

$$-\frac{x^8 - 108 x^7 - 36 x^6 - 56 x^5 - 52 x^4 - 56 x^3 - 36 x^2 - 108 x - 449}{(x + 1) (x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A339546
Score: 4.37865
Type of gen. func.: ogf

$$(f(x) x - f(x) + 1)^2$$

Sequence: A339565
Score: 3.17569
Type of gen. func.: ogf

$$\{a(n + 4) n - 6 a(n + 3) n - 7 a(n + 2) n - 4 a(n + 1) n + 4 a(n + 4) - 21 a(n + 3) - 21 a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 17, a(3) = 101\}$$

Sequence: A339565
Score: 9.17422
Type of gen. func.: ogf

$$4 f(x)^2 x^3 + 7 f(x)^2 x^2 + 6 f(x)^2 x - f(x)^2 + 1$$

Sequence: A339570
Score: 14.5608
Type of gen. func.: ogf

$$-\frac{4 (192 x^{22} + 48 x^8 + 12 x^3 + 3 x + 1)}{x - 1}$$

Sequence: A339572
Score: 13.5558
Type of gen. func.: ogf

$$-\frac{x^2 (x^2 - x - 1)}{(x - 1) (x^4 + x^2 - 1)}$$

Sequence: A339572
Score: 5.43906
Type of gen. func.: ogf

$\{-a(n + 5) + a(n + 4) + a(n + 3) - a(n + 2) + a(n + 1) - a(n), a(0) = 0,$

$a(1) = 0, a(2) = 1, a(3) = 2, a(4) = 2\}$

Sequence: A339573
Score: 15.2821
Type of gen. func.: ogf

$$\frac{x (x^3 - x^2 - 1)}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A339573
Score: 5.71905
Type of gen. func.: ogf

$\{-a(n + 5) + 2 a(n + 4) - a(n + 3) + a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0,$

$a(1) = 1, a(2) = 2, a(3) = 4, a(4) = 6\}$

Sequence: A339573
Score: 6.13293
Type of gen. func.: ogf

$(3 f(x) - 16)$

$(f(x) x^5 - 2 f(x) x^4 + f(x) x^3 - x^4 - f(x) x^2 + x^3 + 2 f(x) x - f(x) + x)$

Sequence: A339600

Score: 4.61981
Type of gen. func.: ogf

$$(85 f(x) - 59) (2 f(x) x^4 + 6 f(x) x^3 - 3 x^3 + f(x) x + 2 x^2 - f(x) + 1)$$

Sequence: A339600
Score: 4.65963
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 3) + 6 a(n + 1) + 2 a(n), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 6\}$$

Sequence: A339600
Score: 8.86094
Type of gen. func.: ogf

$$\frac{(x - 1) (3 x^2 + x + 1)}{2 x^4 + 6 x^3 + x - 1}$$

Sequence: A339601
Score: 4.61657
Type of gen. func.: ogf

$$- x (7 x^{42} + 6 x^{41} + 5 x^{36} + 4 x^{35} + 3 x^6 + 2 x^5 + 1) \Big/ ((x - 1) (x + 1) (x^2 + 1) (x^4 - x^2 + 1) (x^4 + 1) (x^8 - x^4 + 1) (x^{24} - x^{12} + 1))$$

Sequence: A339609
Score: 18.9516
Type of gen. func.: ogf

$$\frac{x^2 (x^3 - 4 x^2 + 2 x - 4)}{(x - 1)^3}$$

Sequence: A339609

Score: 5.72363
Type of gen. func.: ogf

$$\{-a(n + 6) + 3 a(n + 5) - 3 a(n + 4) + a(n + 3), a(0) = 0, a(1) = 0, a(2) = 4, a(3) = 10, a(4) = 22, a(5) = 39\}$$

Sequence: A339610
Score: 15.4656
Type of gen. func.: ogf

$$-\frac{2 x^3 + x^2 + x - 2}{(x^2 + x - 1)^2}$$

Sequence: A339610
Score: 5.89697
Type of gen. func.: ogf

$$(25 f(x) - 73) (f(x) x^4 + 2 f(x) x^3 - f(x) x^2 + 2 x^3 - 2 f(x) x + x^2 + f(x) + x - 2)$$

Sequence: A339610
Score: 6.07169
Type of gen. func.: ogf

$$\{-a(n + 4) + 2 a(n + 3) + a(n + 2) - 2 a(n + 1) - a(n), a(0) = 2, a(1) = 3, a(2) = 7, a(3) = 11\}$$

Sequence: A339623
Score: 20.0603
Type of gen. func.: ogf

$$\frac{x^4 - 3 x^3 - 9 x^2 - 2 x - 1}{(x - 1)^3}$$

Sequence: A339623
Score: 6.97132

Type of gen. func.: ogf

$$(6871172 f(x) + 102431691)$$

$$(f(x) x^{3} - x^{4} - 3 f(x) x^{2} + 3 x^{3} + 3 f(x) x + 9 x^{2} - f(x) + 2 x + 1)$$

Sequence: A339623
Score: 7.07163
Type of gen. func.: ogf

$\{a(n + 5) - 3 a(n + 4) + 3 a(n + 3) - a(n + 2), a(0) = 1, a(1) = 5, a(2) = 21,$

$a(3) = 52, a(4) = 97\}$

Sequence: A339710
Score: 7.8399
Type of gen. func.: ogf

$$4 f(x)^{3} x^{2} - 188 f(x)^{3} x + 12 f(x)^{3} - f(x) x - 9 f(x) - 3$$

Sequence: A339750
Score: 4.17734
Type of gen. func.: ogf

$\{-a(n + 6) + 10 a(n + 5) - 33 a(n + 4) + 40 a(n + 3) - 32 a(n + 1) + 16 a(n),$

$a(0) = 1, a(1) = 30, a(2) = 235, a(3) = 1448, a(4) = 7909, a(5) = 40674\}$

Sequence: A339750
Score: 8.71402
Type of gen. func.: ogf

$$\frac{16 x^{4} - 48 x^{3} + 32 x^{2} - 20 x - 1}{(4 x^{2} + 4 x - 1) (2 x - 1)^{2} (x - 1)^{2}}$$

Sequence: A339750
Score: 9.53416
Type of gen. func.: ogf

$$^{4} \qquad ^{3} \qquad ^{2}$$

$$\frac{16 x - 48 x + 32 x - 20 x - 1}{(4 x^2 + 4 x - 1) (2 x - 1)^2 (x - 1)^2}$$

Sequence: A339760
Score: 11.0379
Type of gen. func.: ogf

$$\frac{16 x^4 - 24 x^3 + 16 x^2 - 6 x - 1}{(4 x^2 + 2 x - 1) (2 x - 1)^2}$$

Sequence: A339760
Score: 12.2644
Type of gen. func.: ogf

$$\frac{16 x^4 - 24 x^3 + 16 x^2 - 6 x - 1}{(4 x^2 + 2 x - 1) (2 x - 1)^2}$$

Sequence: A339760
Score: 5.48468
Type of gen. func.: ogf

$\{-a(n + 5) + 6 a(n + 4) - 8 a(n + 3) - 8 a(n + 2) + 16 a(n + 1), a(0) = 1,$

$a(1) = 12, a(2) = 48, a(3) = 208, a(4) = 768\}$

Sequence: A339760
Score: 5.66048
Type of gen. func.: ogf

$$-(28 f(x) - 117) (16 f(x) x^4 - 8 f(x) x^3 - 16 x^4 - 8 f(x) x^2 + 24 x^3 + 6 f(x) x$$

$$- 16 x^2 - f(x) + 6 x + 1)$$

Sequence: A339771
Score: 15.6177
Type of gen. func.: ogf

```
                                 2 x + 1
                           - ------------------
                                              2
                             (x - 1) (2 x - 1)
```

Sequence: A339771
Score: 18.6651
Type of gen. func.: ogf

```
                                 2 x + 1
                           - ------------------
                                              2
                             (x - 1) (2 x - 1)
```

Sequence: A339771
Score: 7.08583
Type of gen. func.: ogf

```
                             3              2
     (898 f(x) - 1009) (4 f(x) x  - 8 f(x) x  + 5 f(x) x - f(x) + 2 x + 1)
```

Sequence: A339771
Score: 7.28828
Type of gen. func.: ogf

```
  {a(n + 3) - 5 a(n + 2) + 8 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 7, a(2) = 27}
```

Sequence: A339821
Score: 6.21415
Type of gen. func.: ogf

```
                       2          4            8            16
           (2 x + 1) (4 x  + 1) (6 x  + 1) (10 x  + 1) (12 x   + 1)
         - ----------------------------------------------------------
                8          8          8      4           8      4
           (2 x  - 1) (2 x  + 1) (2 x  - 2 x  + 1) (2 x  + 2 x  + 1)
```

Sequence: A339821
Score: 6.51727
Type of gen. func.: ogf

```
                       2          4            8            16
           (2 x + 1) (4 x  + 1) (6 x  + 1) (10 x  + 1) (12 x   + 1)
         - ----------------------------------------------------------
                8          8          8      4           8      4
```

$$(2 x - 1) (2 x + 1) (2 x - 2 x + 1) (2 x + 2 x + 1)$$

Sequence: A339828
Score: 4.71728
Type of gen. func.: ogf

{a(n + 5) - 4 a(n + 4) + 2 a(n + 3) - a(n + 2) + 4 a(n + 1) - 2 a(n), a(0) = 1,

a(1) = 2, a(2) = 5, a(3) = 16, a(4) = 53}

Sequence: A339828
Score: 7.75315
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 - x^2 - 2 x + 1}{(x - 1) (x^2 + x + 1) (2 x^2 - 4 x + 1)}$$

Sequence: A339828
Score: 8.42009
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 - x^2 - 2 x + 1}{(x - 1) (x^2 + x + 1) (2 x^2 - 4 x + 1)}$$

Sequence: A339847
Score: 23.1928
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A339850
Score: 14.3649
Type of gen. func.: ogf

$$-\frac{(x + 1)^2}{2 x^3 + 4 x^2 + 2 x - 1}$$

Sequence: A339850
Score: 16.9186
Type of gen. func.: ogf

$$-\frac{(x+1)^2}{2x^3+4x^2+2x-1}$$

Sequence: A339850
Score: 6.50717
Type of gen. func.: ogf

$$-(64 f(x) + 27) (2 f(x) x^3 + 4 f(x) x^2 + 2 f(x) x + x^2 - f(x) + 2 x + 1)$$

Sequence: A339850
Score: 7.25084
Type of gen. func.: ogf

{a(n + 3) - 2 a(n + 2) - 4 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 4, a(2) = 13}

Sequence: A339889
Score: 9.87849
Type of gen. func.: ogf

$$\frac{x^{32}+x^{31}-x^{30}-x^{15}-1}{(x^{31}-x^{16}-1)(x-1)^2}$$

Sequence: A339926
Score: 4.81972
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A340093

Score: 8.25019
Type of gen. func.: ogf

$$\frac{98306 x^{19} + 81919 x^{18} + 34 x^{7} + 47 x^{6} + 2 x^{3} + 7 x^{2} - 4}{2 x - 1}$$

Sequence: A340130
Score: 11.2905
Type of gen. func.: ogf

$$-\frac{2 x^{4} - 3 x^{3} - 2 x^{2} + 5 x + 1}{(x + 1) (x - 1)^{7}}$$

Sequence: A340130
Score: 12.6801
Type of gen. func.: ogf

$$-\frac{2 x^{4} - 3 x^{3} - 2 x^{2} + 5 x + 1}{(x + 1) (x - 1)^{7}}$$

Sequence: A340162
Score: 5.10638
Type of gen. func.: ogf

{a(n + 7) - 2 a(n + 5) - 2 a(n + 3) + 4 a(n + 1), a(0) = 7, a(1) = 14,

a(2) = 19, a(3) = 28, a(4) = 37, a(5) = 56, a(6) = 38}

Sequence: A340162
Score: 9.11461
Type of gen. func.: ogf

$$-\frac{46 x^{6} + 28 x^{5} + 15 x^{4} - 5 x^{2} - 14 x - 7}{(2 x^{2} - 1) (2 x^{4} - 1)}$$

Sequence: A340162
Score: 9.97245
Type of gen. func.: ogf

$$-\frac{46x^6+28x^5+15x^4-5x^2-14x-7}{(2x^2-1)(2x^4-1)}$$

Sequence: A340169
Score: 4.56005
Type of gen. func.: ogf

$$-(4x^{11}-4x^{10}-79x^9+24x^8+6x^7-131x^6-24x^5-5x^3-4x^2-2x-1)\Big/\left((x-1)^4(x^2+x+1)^4\right)$$

Sequence: A340169
Score: 4.84505
Type of gen. func.: ogf

$$-(4x^{11}-4x^{10}-79x^9+24x^8+6x^7-131x^6-24x^5-5x^3-4x^2-2x-1)\Big/\left((x-1)^4(x^2+x+1)^4\right)$$

Sequence: A340173
Score: 3.17506
Type of gen. func.: ogf

$$(2303050995949384\,f(x)+27933038433557355)\,(315\,f(x)\,x^4-486\,f(x)\,x^3+196\,f(x)\,x^2+2520\,x^3-26\,f(x)\,x-3888\,x^2+f(x)+1376\,x-344)$$

Sequence: A340173
Score: 3.76154
Type of gen. func.: ogf

$$\{-a(n+4)+26\,a(n+3)-196\,a(n+2)+486\,a(n+1)-315\,a(n),\ a(0)=344,\ a(1)=7568,\ a(2)=133232,\ a(3)=2145368\}$$

Sequence: A340173
Score: 6.08826
Type of gen. func.: ogf

$$-\frac{8\,(315\,x^{3} - 486\,x^{2} + 172\,x - 43)}{(x - 1)\,(15\,x - 1)\,(3\,x - 1)\,(7\,x - 1)}$$

Sequence: A340173
Score: 6.63552
Type of gen. func.: ogf

$$-\frac{8\,(315\,x^{3} - 486\,x^{2} + 172\,x - 43)}{(x - 1)\,(15\,x - 1)\,(3\,x - 1)\,(7\,x - 1)}$$

Sequence: A340174
Score: 4.94064
Type of gen. func.: ogf

$$-\frac{2\,(126945\,x^{4} - 199953\,x^{3} + 88687\,x^{2} - 9515\,x + 1396)}{(x - 1)\,(15\,x - 1)\,(3\,x - 1)\,(31\,x - 1)\,(7\,x - 1)}$$

Sequence: A340174
Score: 5.26198
Type of gen. func.: ogf

$$-\frac{2\,(126945\,x^{4} - 199953\,x^{3} + 88687\,x^{2} - 9515\,x + 1396)}{(x - 1)\,(15\,x - 1)\,(3\,x - 1)\,(31\,x - 1)\,(7\,x - 1)}$$

Sequence: A340199
Score: 4.8161
Type of gen. func.: ogf

$$(2331789\,f(x) + 2106671)$$

$$(21\,f(x)\,x^{3} - 31\,f(x)\,x^{2} + 11\,f(x)\,x + 63\,x^{2} - f(x) - 94\,x + 43)$$

Sequence: A340199
Score: 5.49802
Type of gen. func.: ogf

$$\{a(n + 3) - 11 a(n + 2) + 31 a(n + 1) - 21 a(n), a(0) = 43, a(1) = 379, a(2) = 2899\}$$

Sequence: A340199
Score: 8.62884
Type of gen. func.: ogf

$$-\frac{63 x^2 - 94 x + 43}{(x - 1) (3 x - 1) (7 x - 1)}$$

Sequence: A340199
Score: 9.70745
Type of gen. func.: ogf

$$-\frac{63 x^2 - 94 x + 43}{(x - 1) (3 x - 1) (7 x - 1)}$$

Sequence: A340200
Score: 3.6339
Type of gen. func.: ogf

$$(561955440783128 f(x) + 7440352848232795) (315 f(x) x^4 - 486 f(x) x^3 + 196 f(x) x^2 + 2835 x^3 - 26 f(x) x - 4365 x^2 + f(x) + 1573 x - 379)$$

Sequence: A340200
Score: 4.25884
Type of gen. func.: ogf

$$\{-a(n + 4) + 26 a(n + 3) - 196 a(n + 2) + 486 a(n + 1) - 315 a(n), a(0) = 379, a(1) = 8281, a(2) = 145387, a(3) = 2338345\}$$

Sequence: A340200
Score: 6.62018
Type of gen. func.: ogf

$$-\frac{2835 x^3 - 4365 x^2 + 1573 x - 379}{(x - 1) (15 x - 1) (3 x - 1) (7 x - 1)}$$

Sequence: A340200
Score: 7.18966
Type of gen. func.: ogf

$$-\frac{2835 x^3 - 4365 x^2 + 1573 x - 379}{(x - 1) (15 x - 1) (3 x - 1) (7 x - 1)}$$

Sequence: A340201
Score: 4.86635
Type of gen. func.: ogf

$$-\frac{263655 x^4 - 415464 x^3 + 183886 x^2 - 19856 x + 2899}{(x - 1) (15 x - 1) (3 x - 1) (31 x - 1) (7 x - 1)}$$

Sequence: A340201
Score: 5.17779
Type of gen. func.: ogf

$$-\frac{263655 x^4 - 415464 x^3 + 183886 x^2 - 19856 x + 2899}{(x - 1) (15 x - 1) (3 x - 1) (31 x - 1) (7 x - 1)}$$

Sequence: A340215
Score: 17.9373
Type of gen. func.: ogf

$$-\frac{x + 1}{x^5 + x^2 + x - 1}$$

Sequence: A340215
Score: 21.1261
Type of gen. func.: ogf

$$-\frac{x+1}{x^5+x^2+x-1}$$

Sequence: A340215
Score: 7.42714
Type of gen. func.: ogf

{-a(n + 5) + a(n + 4) + a(n + 3) + a(n), a(0) = 1, a(1) = 2, a(2) = 3, a(3) = 5,

a(4) = 8}

Sequence: A340217
Score: 11.9769
Type of gen. func.: ogf

$$-\frac{x^4+x^3+x^2+x+1}{x^5+x^2+x-1}$$

Sequence: A340217
Score: 13.3655
Type of gen. func.: ogf

$$-\frac{x^4+x^3+x^2+x+1}{x^5+x^2+x-1}$$

Sequence: A340217
Score: 7.14899
Type of gen. func.: ogf

{a(n + 5) - a(n + 4) - a(n + 3) - a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 7,

a(4) = 12}

Sequence: A340228

Score: 12.5698
Type of gen. func.: ogf

$$-\frac{3 x^3 - 13 x^2 + 13 x - 4}{(2 x - 1)^2 (x - 1)^2}$$

Sequence: A340228
Score: 14.2741
Type of gen. func.: ogf

$$-\frac{3 x^3 - 13 x^2 + 13 x - 4}{(2 x - 1)^2 (x - 1)^2}$$

Sequence: A340228
Score: 5.76831
Type of gen. func.: ogf

$$(252 f(x) + 1363) (4 f(x) x^4 - 12 f(x) x^3 + 13 f(x) x^2 + 3 x^3 - 6 f(x) x - 13 x^2 + f(x) + 13 x - 4)$$

Sequence: A340228
Score: 6.0588
Type of gen. func.: ogf

$$\{-a(n + 4) + 6 a(n + 3) - 13 a(n + 2) + 12 a(n + 1) - 4 a(n), a(0) = 4, a(1) = 11, a(2) = 27, a(3) = 64\}$$

Sequence: A340246
Score: 6.89331
Type of gen. func.: ogf

$$-\frac{x^3 (x^7 + x^5 + x^3 + 1)}{(x^2 + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2 (x + 1)^4 (x - 1)^5}$$

Sequence: A340246
Score: 7.34907
Type of gen. func.: ogf

$$-\frac{x^{3} (x^{7} + x^{5} + x^{3} + 1)}{(x^{2} + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2} (x + 1)^{4} (x - 1)^{5}}$$

Sequence: A340247
Score: 5.01503
Type of gen. func.: ogf

$$-\frac{x^{3} (x^{11} - x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + 2 x^{5} + 2 x^{3} + 1)}{(x^{2} + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2} (x + 1)^{4} (x - 1)^{5}}$$

Sequence: A340247
Score: 5.26116
Type of gen. func.: ogf

$$-\frac{x^{3} (x^{11} - x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + 2 x^{5} + 2 x^{3} + 1)}{(x^{2} + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2} (x + 1)^{4} (x - 1)^{5}}$$

Sequence: A340248
Score: 4.81352
Type of gen. func.: ogf

$$-\frac{x^{3} (2 x^{11} - 2 x^{10} + 3 x^{9} + 3 x^{7} + x^{6} + 3 x^{5} + x^{4} + 2 x^{3} + x^{2} + 1)}{(x^{2} + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2} (x + 1)^{4} (x - 1)^{5}}$$

Sequence: A340248
Score: 5.03872
Type of gen. func.: ogf

$$-\frac{x^{3} (2 x^{11} - 2 x^{10} + 3 x^{9} + 3 x^{7} + x^{6} + 3 x^{5} + x^{4} + 2 x^{3} + x^{2} + 1)}{(x^{2} + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2} (x + 1)^{4} (x - 1)^{5}}$$

Sequence: A340249
Score: 4.92316
Type of gen. func.: ogf

$$-\frac{x^3\,(3x^{11}-3x^{10}+4x^9+4x^7+2x^6+4x^5+x^4+3x^3+x+1)}{(x^2+1)^2\,(x^2+x+1)^2\,(x^2-x+1)^2\,(x+1)^4\,(x-1)^5}$$

Sequence: A340249
Score: 5.159
Type of gen. func.: ogf

$$-\frac{x^3\,(3x^{11}-3x^{10}+4x^9+4x^7+2x^6+4x^5+x^4+3x^3+x+1)}{(x^2+1)^2\,(x^2+x+1)^2\,(x^2-x+1)^2\,(x+1)^4\,(x-1)^5}$$

Sequence: A340257
Score: 17.8374
Type of gen. func.: ogf

$$-\frac{4x^2-2x+1}{(2x-1)^3}$$

Sequence: A340257
Score: 21.6941
Type of gen. func.: ogf

$$-\frac{4x^2-2x+1}{(2x-1)^3}$$

Sequence: A340257
Score: 7.16681
Type of gen. func.: ogf

3 2 2

$$(3 f(x) + 5) (8 f(x) x - 12 f(x) x + 6 f(x) x + 4 x - f(x) - 2 x + 1)$$

Sequence: A340257
Score: 7.57248
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 12 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 4, a(2) = 16\}$$

Sequence: A340258
Score: 8.96496
Type of gen. func.: ogf

$$-\frac{79 x^{29} - 58 x^{28} - 21 x^{27} + 26 x^{8} - 26 x^{7} + 7 x^{2} - 5 x - 1}{(x - 1)^{2}}$$

Sequence: A340258
Score: 9.80872
Type of gen. func.: ogf

$$-\frac{79 x^{29} - 58 x^{28} - 21 x^{27} + 26 x^{8} - 26 x^{7} + 7 x^{2} - 5 x - 1}{(x - 1)^{2}}$$

Sequence: A340266
Score: 16.5186
Type of gen. func.: ogf

$$-\frac{x^{3} - 4 x + 4}{(x - 1)^{3}}$$

Sequence: A340266
Score: 20.0902
Type of gen. func.: ogf

$$-\frac{x^{3} - 4 x + 4}{\quad^{3}}$$

$$(x - 1)$$

Sequence: A340266
Score: 5.89951
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 4, a(1) = 8, a(2) = 12, a(3) = 17\}$$

Sequence: A340266
Score: 6.52051
Type of gen. func.: ogf

$$(25 f(x) + 412) (f(x) x^3 - 3 f(x) x^2 + x^3 + 3 f(x) x - f(x) - 4 x + 4)$$

Sequence: A340301
Score: 7.40222
Type of gen. func.: ogf

$$-\frac{x (31 x^{31} - 32 x^{30} + 15 x^{15} - 16 x^{14} + 7 x^7 - 8 x^6 + 3 x^3 - 4 x^2 + x - 2)}{(x - 1)^2}$$

Sequence: A340309
Score: 15.112
Type of gen. func.: ogf

$$-\frac{6 x}{(3 x - 1) (2 x^2 - 5 x + 1)}$$

Sequence: A340309
Score: 18.0606
Type of gen. func.: ogf

$$-\frac{6 x}{(3 x - 1) (2 x^2 - 5 x + 1)}$$

Sequence: A340309
Score: 7.05225
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 17 a(n + 1) - 6 a(n), a(0) = 0, a(1) = 6, a(2) = 48\}$$

Sequence: A340309
Score: 7.40487
Type of gen. func.: ogf

$$(4 f(x) + 3) (6 f(x) x^3 - 17 f(x) x^2 + 8 f(x) x - f(x) + 6 x)$$

Sequence: A340326
Score: 7.68815
Type of gen. func.: ogf

$$- \frac{x^6 + 3 x^5 - 5 x^4 - 2 x^3 + x^2 - x - 1}{(x^4 - x^2 + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A340326
Score: 8.27392
Type of gen. func.: ogf

$$- \frac{x^6 + 3 x^5 - 5 x^4 - 2 x^3 + x^2 - x - 1}{(x^4 - x^2 + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A340395
Score: 15.5375
Type of gen. func.: ogf

$$\frac{5}{(x - 1) (3 x - 1) (x + 1)}$$

Sequence: A340395
Score: 18.5692

Type of gen. func.: ogf

$$\frac{5}{(x-1)(3x-1)(x+1)}$$

Sequence: A340395
Score: 7.18244
Type of gen. func.: ogf

$$\{a(n+3) - 3\,a(n+2) - a(n+1) + 3\,a(n),\ a(0) = 5,\ a(1) = 15,\ a(2) = 50\}$$

Sequence: A340395
Score: 7.4641
Type of gen. func.: ogf

$$(13 f(x) + 135)\,(3 f(x)\,x^3 - f(x)\,x^2 - 3 f(x)\,x + f(x) - 5)$$

Sequence: A340403
Score: 3.9264
Type of gen. func.: ogf

$$\{-a(n+4) + 26\,a(n+3) - 196\,a(n+2) + 486\,a(n+1) - 315\,a(n),\ a(0) = 3740,\ a(1) = 66914,\ a(2) = 1084508,\ a(3) = 16848674\}$$

Sequence: A340403
Score: 6.02048
Type of gen. func.: ogf

$$-\frac{2\,(25515\,x^3 - 38892\,x^2 + 15163\,x - 1870)}{(x-1)(15x-1)(3x-1)(7x-1)}$$

Sequence: A340403
Score: 6.51701
Type of gen. func.: ogf

$$-\frac{2\,(25515\,x^3 - 38892\,x^2 + 15163\,x - 1870)}{(x-1)(15x-1)(3x-1)(7x-1)}$$

Sequence: A340404
Score: 4.34106
Type of gen. func.: ogf

$$-\frac{2\,(6064065\,x^4 - 9507684\,x^3 + 4005478\,x^2 - 590276\,x + 33457)}{(x - 1)\,(15\,x - 1)\,(3\,x - 1)\,(31\,x - 1)\,(7\,x - 1)}$$

Sequence: A340404
Score: 4.6082
Type of gen. func.: ogf

$$-\frac{2\,(6064065\,x^4 - 9507684\,x^3 + 4005478\,x^2 - 590276\,x + 33457)}{(x - 1)\,(15\,x - 1)\,(3\,x - 1)\,(31\,x - 1)\,(7\,x - 1)}$$

Sequence: A340433
Score: 3.13667
Type of gen. func.: ogf

$$-(99234648079807181\,f(x) + 10804555624026792810)\,(315\,f(x)\,x^4 - 486\,f(x)\,x^3 + 196\,f(x)\,x^2 + 32760\,x^3 - 26\,f(x)\,x - 49914\,x^2 + f(x) + 19412\,x - 2426)$$

Sequence: A340433
Score: 3.88162
Type of gen. func.: ogf

$$\{-a(n + 4) + 26\,a(n + 3) - 196\,a(n + 2) + 486\,a(n + 1) - 315\,a(n),\ a(0) = 2426,\ a(1) = 43664,\ a(2) = 709682,\ a(3) = 11039864\}$$

Sequence: A340433
Score: 5.97173
Type of gen. func.: ogf

$$-\frac{2\,(16380\,x^3 - 24957\,x^2 + 9706\,x - 1213)}{(x - 1)\,(15\,x - 1)\,(3\,x - 1)\,(7\,x - 1)}$$

```
-------------------------------------------------------------------------------

Sequence:  A340433
Score: 6.46937
Type of gen. func.: ogf


                               3          2
                     2 (16380 x  - 24957 x  + 9706 x - 1213)
                   - ---------------------------------------
                     (x - 1) (15 x - 1) (3 x - 1) (7 x - 1)



-------------------------------------------------------------------------------

Sequence:  A340434
Score: 5.05768
Type of gen. func.: ogf


                        4            3           2
            8 (1298745 x  - 2035908 x  + 857365 x  - 126086 x + 7144)
          - ---------------------------------------------------------
                (x - 1) (15 x - 1) (3 x - 1) (31 x - 1) (7 x - 1)



-------------------------------------------------------------------------------

Sequence:  A340434
Score: 5.37379
Type of gen. func.: ogf


                        4            3           2
            8 (1298745 x  - 2035908 x  + 857365 x  - 126086 x + 7144)
          - ---------------------------------------------------------
                (x - 1) (15 x - 1) (3 x - 1) (31 x - 1) (7 x - 1)



-------------------------------------------------------------------------------

Sequence:  A340436
Score: 4.63908
Type of gen. func.: ogf


(3548792301 f(x) + 45911554703)

              3            2                    2
    (21 f(x) x  - 31 f(x) x  + 11 f(x) x + 315 x  - f(x) - 454 x + 151)



-------------------------------------------------------------------------------

Sequence:  A340436
Score: 5.60724
Type of gen. func.: ogf


{a(n + 3) - 11 a(n + 2) + 31 a(n + 1) - 21 a(n), a(0) = 151, a(1) = 1207,

    a(2) = 8911}



-------------------------------------------------------------------------------
```

Sequence: A340436
Score: 8.59776
Type of gen. func.: ogf

$$-\frac{315 x^2 - 454 x + 151}{(x - 1) (3 x - 1) (7 x - 1)}$$

Sequence: A340436
Score: 9.62436
Type of gen. func.: ogf

$$-\frac{315 x^2 - 454 x + 151}{(x - 1) (3 x - 1) (7 x - 1)}$$

Sequence: A340437
Score: 4.43459
Type of gen. func.: ogf

$$\{-a(n + 4) + 26 a(n + 3) - 196 a(n + 2) + 486 a(n + 1) - 315 a(n), a(0) = 3451,$$

$$a(1) = 64705, a(2) = 1068475, a(3) = 16734721\}$$

Sequence: A340437
Score: 6.79971
Type of gen. func.: ogf

$$-\frac{40635 x^3 - 62541 x^2 + 25021 x - 3451}{(x - 1) (15 x - 1) (3 x - 1) (7 x - 1)}$$

Sequence: A340437
Score: 7.36051
Type of gen. func.: ogf

$$-\frac{40635 x^3 - 62541 x^2 + 25021 x - 3451}{(x - 1) (15 x - 1) (3 x - 1) (7 x - 1)}$$

Sequence: A340438

Score: 4.94852
Type of gen. func.: ogf

$$-\frac{9520875 x^4 - 14991504 x^3 + 6390814 x^2 - 966632 x + 61567}{(x - 1) (15 x - 1) (3 x - 1) (31 x - 1) (7 x - 1)}$$

Sequence: A340438
Score: 5.25072
Type of gen. func.: ogf

$$-\frac{9520875 x^4 - 14991504 x^3 + 6390814 x^2 - 966632 x + 61567}{(x - 1) (15 x - 1) (3 x - 1) (31 x - 1) (7 x - 1)}$$

Sequence: A340445
Score: 11.2884
Type of gen. func.: ogf

$$\frac{x^4 (x^2 - x - 1)}{(x + 1) (x^2 + x + 1) (x - 1)^3}$$

Sequence: A340445
Score: 12.5972
Type of gen. func.: ogf

$$\frac{x^4 (x^2 - x - 1)}{(x + 1) (x^2 + x + 1) (x - 1)^3}$$

Sequence: A340445
Score: 4.52712
Type of gen. func.: ogf

{-a(n + 7) + a(n + 6) + a(n + 5) - a(n + 3) - a(n + 2) + a(n + 1), a(0) = 0,

a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 1, a(5) = 2, a(6) = 2}

Sequence: A340448

Score: 7.00296
Type of gen. func.: ogf

$$\frac{x (x^7 - x^4 - 2 x^2 - x - 1)}{(x + 1)^2 (x^2 + 1)^2 (x - 1)^3}$$

Sequence: A340448
Score: 7.69461
Type of gen. func.: ogf

$$\frac{x (x^7 - x^4 - 2 x^2 - x - 1)}{(x + 1)^2 (x^2 + 1)^2 (x - 1)^3}$$

Sequence: A340453
Score: 8.96949
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{2 x^3 + x^2 + x + 1}{x^4 + x^3 + x^2 + x + 1}$$

Sequence: A340454
Score: 8.97996
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x (2 x^2 + 2 x + 1)}{x^4 + x^3 + x^2 + x + 1}$$

Sequence: A340455
Score: 7.39296
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{2 x^3 + 3 x^2 + x - 1}{x^4 + x^3 + x^2 + x + 1}$$

Sequence: A340456
Score: 10.9645
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{2 x^{3} + x + 2}{x^{4} + x^{3} + x^{2} + x + 1}$$

Sequence: A340495
Score: 4.17909
Type of gen. func.: ogf

$$\{a(n + 4) - 6 a(n + 3) + 9 a(n + 2) - 4 a(n + 1), a(0) = 2, a(1) = 3, a(2) = 8, a(3) = 33\}$$

Sequence: A340495
Score: 4.24704
Type of gen. func.: ogf

$$(255 f(x) - 496) (4 f(x) x^{3} - 9 f(x) x^{2} + 4 x^{3} + 6 f(x) x + 8 x^{2} - f(x) - 9 x + 2)$$

Sequence: A340495
Score: 7.57081
Type of gen. func.: ogf

$$- \frac{(-1 + 2 x) (2 x^{2} + 5 x - 2)}{(-1 + 4 x) (x - 1)^{2}}$$

Sequence: A340495
Score: 8.56371
Type of gen. func.: ogf

$$- \frac{(-1 + 2 x) (2 x^{2} + 5 x - 2)}{(-1 + 4 x) (x - 1)^{2}}$$

Sequence: A340498
Score: 4.88969
Type of gen. func.: ogf

$$-(15 + 49 f(x)) (4 f(x) x^2 - 5 f(x) x + 2 x^2 + f(x) + 9 x - 3)$$

Sequence: A340498
Score: 5.09557
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 4 a(n + 1), a(0) = 3, a(1) = 6, a(2) = 16\}$$

Sequence: A340498
Score: 8.49262
Type of gen. func.: ogf

$$-\frac{2 x^2 + 9 x - 3}{(-1 + 4 x) (x - 1)}$$

Sequence: A340498
Score: 9.87916
Type of gen. func.: ogf

$$-\frac{2 x^2 + 9 x - 3}{(-1 + 4 x) (x - 1)}$$

Sequence: A340519
Score: 16.5809
Type of gen. func.: ogf

$$\frac{2 (3 x^2 + 4 x + 3)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A340519

Score: 19.288
Type of gen. func.: ogf

$$\frac{2 (3 x^2 + 4 x + 3)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A340519
Score: 9.45114
Type of gen. func.: ogf

$$\{-a(n + 4) + 2 a(n + 2) - a(n), a(0) = 6, a(1) = 8, a(2) = 18, a(3) = 16\}$$

Sequence: A340519
Score: 9.5466
Type of gen. func.: ogf

$$-(21 f(x) + 53) (f(x) x^4 - 2 f(x) x^2 - 6 x^2 + f(x) - 8 x - 6)$$

Sequence: A340528
Score: 10.3712
Type of gen. func.: ogf

$$- \frac{x (x^2 + 1) (x^3 - 2 x^2 + x + 1)}{(x + 1) (x - 1)^3}$$

Sequence: A340528
Score: 11.4487
Type of gen. func.: ogf

$$- \frac{x (x^2 + 1) (x^3 - 2 x^2 + x + 1)}{(x + 1) (x - 1)^3}$$

Sequence: A340528
Score: 5.44168
Type of gen. func.: ogf

{a(n + 7) - 2 a(n + 6) + 2 a(n + 4) - a(n + 3), a(0) = 0, a(1) = 1, a(2) = 3,

a(3) = 5, a(4) = 10, a(5) = 13, a(6) = 20}

Sequence: A340536
Score: 6.01069
Type of gen. func.: ogf

$$-\frac{9x^8+2x^7+8x^6+9x^5+5x^4+5x^3+9x^2+8x+2}{(x-1)(x^2+x+1)(x^6+x^3+1)}$$

Sequence: A340536
Score: 6.38345
Type of gen. func.: ogf

$$-\frac{9x^8+2x^7+8x^6+9x^5+5x^4+5x^3+9x^2+8x+2}{(x-1)(x^2+x+1)(x^6+x^3+1)}$$

Sequence: A340571
Score: 5.43861
Type of gen. func.: ogf

$$\frac{x^5(x^4+x^3+x^2+x+1)(x^5+x^2+1)}{(x^4+1)(x^2+x+1)(x^2-x+1)(x^2+1)^2(x-1)^4(x+1)^4}$$

Sequence: A340589
Score: 4.62265
Type of gen. func.: ogf

$$\frac{x^4(x^{10}+x^9+x^8+2x^7+2x^6+2x^5+x^4+2x^3+x^2+x+1)}{(x^4+1)(x^2+x+1)(x^2-x+1)(x^2+1)^2(x-1)^4(x+1)^4}$$

Sequence: A340615
Score: 7.24347

Type of gen. func.: ogf

$$\frac{x (x^8 + 4 x^7 + 2 x^6 + 7 x^5 + 3 x^4 + 8 x^3 + 5 x^2 + x + 2)}{(x - 1)^2 (x^4 + x^3 + x^2 + x + 1)^2}$$

Sequence: A340619
Score: 4.72286
Type of gen. func.: ogf

$$\frac{(x + 1) (x^{16} - x^{12} + x^8 - x^4 + 1)}{(x^2 + 1) (x^2 + x + 1) (x^4 - x^2 + 1) (x^8 - x^4 + 1) (x^{16} - x^8 + 1) (x - 1)^2}$$

Sequence: A340627
Score: 11.4845
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - 2 a(n), a(0) = 3, a(1) = 8\}$$

Sequence: A340627
Score: 20.7281
Type of gen. func.: ogf

$$- \frac{5 x + 3}{(x + 1) (-1 + 2 x)}$$

Sequence: A340627
Score: 9.99827
Type of gen. func.: ogf

$$(5 f(x) + 1) (2 f(x) x^2 + f(x) x - f(x) + 5 x + 3)$$

Sequence: A340631
Score: 12.7623
Type of gen. func.: ogf

$$12 x^4 - 10 x^3 - 23 x^2 + 16 x + 7$$

$$\frac{}{(x + 1) (x - 1)^2}$$

Sequence: A340631
Score: 5.80106
Type of gen. func.: ogf

$$-(9659 f(x) + 277466)$$

$$(f(x) x^3 - 12 x^4 - f(x) x^2 + 10 x^3 - f(x) x + 23 x^2 + f(x) - 16 x - 7)$$

Sequence: A340631
Score: 6.01124
Type of gen. func.: ogf

$$\{a(n + 5) - a(n + 4) - a(n + 3) + a(n + 2), a(0) = 7, a(1) = 23, a(2) = 7, a(3) = 13, a(4) = 9\}$$

Sequence: A340648
Score: 13.9286
Type of gen. func.: ogf

$$- \frac{x (x^3 + x^2 + 1)}{(x^2 + 1) (x - 1)^3}$$

Sequence: A340648
Score: 5.18075
Type of gen. func.: ogf

$$\{-a(n + 5) + 3 a(n + 4) - 4 a(n + 3) + 4 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 6, a(4) = 11\}$$

Sequence: A340670
Score: 13.9095
Type of gen. func.: ogf

$$- \frac{1}{\qquad {}^{2} \qquad\qquad {}^{2}}$$

$$(-1 + 2 x) (2 x - x + 1) (2 x + 2 x + 1)$$

Sequence: A340670
Score: 6.19408
Type of gen. func.: ogf

$\{a(n + 5) - a(n + 4) - 2 a(n + 2) - 8 a(n), a(0) = 1, a(1) = 1, a(2) = 1,$

$a(3) = 3, a(4) = 5\}$

Sequence: A340709
Score: 5.71143
Type of gen. func.: ogf

$$\frac{x (x^{8} + 3 x^{7} + 2 x^{6} + 5 x^{5} + 3 x^{4} + 5 x^{3} + 3 x^{2} + 2 x + 1)}{(x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x - 1)^{2} (x + 1)^{2}}$$

Sequence: A340745
Score: 9.87849
Type of gen. func.: ogf

$$-\frac{x (x^{27} - x^{26} + x^{9} - x^{8} + x^{3} - x^{2} + x - 2)}{(x - 1)^{2}}$$

Sequence: A340757
Score: 5.86035
Type of gen. func.: ogf

$\{a(n + 5) - a(n + 4) - a(n + 1) + a(n), a(0) = 243, a(1) = 586, a(2) = 1272,$

$a(3) = 2301, a(4) = 2644\}$

Sequence: A340757
Score: 9.38988
Type of gen. func.: ogf

$$\frac{100 x^{4} + 1029 x^{3} + 686 x^{2} + 343 x + 243}{\qquad^{2} \qquad\qquad^{2}}$$

$$(x + 1) (x + 1) (x - 1)$$

Sequence: A340760
Score: 13.4069
Type of gen. func.: ogf

$$\frac{x^4}{(x^2 + x + 1) (x^2 + 1)^2 (x + 1)^3 (x - 1)^4}$$

Sequence: A340761
Score: 14.0645
Type of gen. func.: ogf

$$\frac{x^4}{(x^2 + x + 1) (x + 1)^2 (x^2 + 1)^2 (x - 1)^4}$$

Sequence: A340763
Score: 6.49209
Type of gen. func.: ogf

$$\frac{x^6 (3 x^{36} + 2 x^{30} + 5 x^{24} + 3 x^{18} + 3 x^{12} + 1)}{(x - 1) (3 x^{42} + x^{36} - x^{30} - x^{18} - 3 x^{12} + x^6 - 1)}$$

Sequence: A340849
Score: 11.3092
Type of gen. func.: ogf

$$\frac{x (3 x^2 - 1)}{(x + 1) (-1 + 2 x) (x - 1)^2}$$

Sequence: A340849
Score: 4.84682
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 3) + a(n + 2) + 3 a(n + 1) - 2 a(n), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 5\}$$

Sequence: A340849
Score: 4.99711
Type of gen. func.: ogf

$$-(3 f(x) + 1) (2 f(x) x^4 - 3 f(x) x^3 - f(x) x^2 - 3 x^3 + 3 f(x) x - f(x) + x)$$

Sequence: A340898
Score: 11.7242
Type of gen. func.: ogf

$$\frac{8 (10 x - 13)}{(x - 1) (3 x - 1) (7 x - 1)}$$

Sequence: A340898
Score: 5.03775
Type of gen. func.: ogf

$$(1103801541 f(x) - 11132954504) (21 f(x) x^3 - 31 f(x) x^2 + 11 f(x) x - f(x) - 80 x + 104)$$

Sequence: A340898
Score: 5.60724
Type of gen. func.: ogf

$$\{a(n + 3) - 11 a(n + 2) + 31 a(n + 1) - 21 a(n), a(0) = 104, a(1) = 1064, a(2) = 8480\}$$

Sequence: A340899
Score: 3.4356
Type of gen. func.: ogf

$$(30697734810647037896 f(x) - 143587671724263756765) (315 f(x) x^4 - 486 f(x) x^3 + 196 f(x) x^2 - 26 f(x) x - 4002 x^2 + f(x) + 5924 x - 2426)$$

Sequence: A340899
Score: 3.9264
Type of gen. func.: ogf

$$\{-a(n + 4) + 26 a(n + 3) - 196 a(n + 2) + 486 a(n + 1) - 315 a(n), a(0) = 2426, a(1) = 57152, a(2) = 1014458, a(3) = 16353152\}$$

Sequence: A340899
Score: 7.61627
Type of gen. func.: ogf

$$\frac{2 (2001 x^2 - 2962 x + 1213)}{(x - 1) (15 x - 1) (3 x - 1) (7 x - 1)}$$

Sequence: A340973
Score: 3.07
Type of gen. func.: ogf

$$\{-a(n + 3) n + 14 a(n + 2) n - 13 a(n + 1) n - 3 a(n + 3) + 35 a(n + 2) - 26 a(n + 1), a(0) = 1, a(1) = 7, a(2) = 67\}$$

Sequence: A340973
Score: 8.35984
Type of gen. func.: ogf

$$13 f(x)^2 x^2 - 14 f(x)^2 x + f(x)^2 - 1$$

Sequence: A341015
Score: 5.37994
Type of gen. func.: ogf

$$(135 x^{15} + 135 x^{14} + 135 x^{13} - 117 x^{11} - 72 x^{10} - 57 x^9 - 27 x^8 - 2 x^7 - 6 x^6 - 4 x^5 + 4 x^3 + 3 x^2 + 2 x + 1) / ((5 x^4 - 1) (27 x^8 - 1))$$

Sequence: A341016
Score: 12.4689
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x^6 - 2 x^5 + 2 x^4 - 2 x^3 + 3 x^2 - 3 x + 2)}{(x - 1)^2}$$

Sequence: A341016
Score: 6.11534
Type of gen. func.: ogf

$\{-a(n + 8) + 2 a(n + 7) - a(n + 6), a(0) = 2, a(1) = 3, a(2) = 4, a(3) = 6,$

$a(4) = 8, a(5) = 10, a(6) = 12, a(7) = 16\}$

Sequence: A341029
Score: 5.80999
Type of gen. func.: ogf

$$\frac{x (4 x^8 + 2 x^7 - x^5 - 3 x^4 - 2 x^3 - 3 x^2 - 1)}{(x - 1) (-1 + 2 x) (2 x^2 + 1) (2 x^2 - 1) (x^2 + 1)}$$

Sequence: A341043
Score: 16.1815
Type of gen. func.: ogf

$$\frac{9 x^3 + 55 x^2 + 31 x + 1}{(x - 1)^4}$$

Sequence: A341043
Score: 4.66983
Type of gen. func.: ogf

$$(37840 f(x) + 1108281) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 9 x^3 - 4 f(x) x - 55 x^2 + f(x) - 31 x - 1)$$

Sequence: A341043
Score: 5.00579
Type of gen. func.: ogf

{-a(n + 4) + 4 a(n + 3) - 6 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 1, a(1) = 35,

a(2) = 189, a(3) = 559}

Sequence: A341092
Score: 13.1705
Type of gen. func.: ogf

$$-\frac{5 x^4 - 3 x^3 - 12 x^2 + 5 x + 7}{(x + 1)^2 (x - 1)^3}$$

Sequence: A341092
Score: 5.17414
Type of gen. func.: ogf

{a(n + 5) - a(n + 4) - 2 a(n + 3) + 2 a(n + 2) + a(n + 1) - a(n), a(0) = 7,

a(1) = 12, a(2) = 14, a(3) = 21, a(4) = 23}

Sequence: A341104
Score: 16.8195
Type of gen. func.: ogf

$$-\frac{(x - 1)^4}{(-1 + 2 x) (x^2 - 3 x + 1)}$$

Sequence: A341104
Score: 5.97215
Type of gen. func.: ogf

{a(n + 5) - 5 a(n + 4) + 7 a(n + 3) - 2 a(n + 2), a(0) = 1, a(1) = 1, a(2) = 4,

a(3) = 11, a(4) = 30}

Sequence: A341104
Score: 6.38881
Type of gen. func.: ogf

$$(33 f(x) + 14)$$

$$(2 f(x) x^3 + x^4 - 7 f(x) x^2 - 4 x^3 + 5 f(x) x + 6 x^2 - f(x) - 4 x + 1)$$

Sequence: A341161
Score: 4.1207
Type of gen. func.: ogf

$$(711 x^{20} - 711 x^{19} - 9 x^{16} + 9 x^{15} - 9 x^{14} + 9 x^{13} - 9 x^{12} - 81 x^{11} + 90 x^{10} + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) / ((x - 1) (10 x^9 - 1))$$

Sequence: A341163
Score: 6.62826
Type of gen. func.: ogf

$$- \frac{x (2 x + 1) (x^6 + x^4 - x^2 + 1) (x^{24} + x^{16} - x^8 + 1)}{(x - 1) (x^{32} + 1)}$$

Sequence: A341208
Score: 16.661
Type of gen. func.: ogf

$$\frac{(x - 3)^2}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A341208
Score: 6.14546
Type of gen. func.: ogf

$$(1253171 f(x) + 146056) (f(x) x^3 - 2 f(x) x^2 - 2 f(x) x - x^2 + f(x) + 6 x - 9)$$

Sequence: A341208
Score: 7.07308
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 9, a(1) = 12, a(2) = 43\}$$

Sequence: A341209
Score: 21.4332
Type of gen. func.: ogf

$$\frac{x^3 - 2 x^2 + x + 1}{(x - 1)^4}$$

Sequence: A341209
Score: 6.27688
Type of gen. func.: ogf

$$(98 f(x) - 135)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - x^3 - 4 f(x) x + 2 x^2 + f(x) - x - 1)$$

Sequence: A341209
Score: 6.46149
Type of gen. func.: ogf

$$\{-a(n + 4) + 4 a(n + 3) - 6 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 1, a(1) = 5, a(2) = 12, a(3) = 23\}$$

Sequence: A341240
Score: 4.12981
Type of gen. func.: ogf

$$\{a(n + 6) - 4 a(n + 5) + 2 a(n + 4) - a(n + 3) + 4 a(n + 2) - 2 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 12, a(4) = 38, a(5) = 127\}$$

Sequence: A341240
Score: 8.34843

Type of gen. func.: ogf

$$-\frac{x^5 - x^3 - 2 x^2 - 2 x + 1}{(x - 1) (x^2 + x + 1) (2 x^2 - 4 x + 1)}$$

Sequence: A341248
Score: 11.7223
Type of gen. func.: ogf

$$-\frac{(x + 1) (-1 + 2 x)}{(x - 1) (4 x^2 + 4 x - 1)}$$

Sequence: A341248
Score: 7.29655
Type of gen. func.: ogf

$$-(72 f(x) - 7) (4 f(x) x^3 - 5 f(x) x + 2 x^2 + f(x) + x - 1)$$

Sequence: A341248
Score: 8.2191
Type of gen. func.: ogf

$\{-a(n + 3) + 5 a(n + 2) - 4 a(n), a(0) = 1, a(1) = 4, a(2) = 18\}$

Sequence: A341250
Score: 12.3777
Type of gen. func.: ogf

$$-\frac{2 x^2 + 2 x - 1}{(x - 1) (4 x^2 + 4 x - 1)}$$

Sequence: A341250
Score: 6.98543
Type of gen. func.: ogf

3   2

$$-(340 f(x) - 123) (4 f(x) x - 5 f(x) x + 2 x + f(x) + 2 x - 1)$$

Sequence: A341250
Score: 8.10952
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 4 a(n), a(0) = 1, a(1) = 3, a(2) = 13\}$$

Sequence: A341277
Score: 5.72148
Type of gen. func.: ogf

$$- (2 x^{14} - 2 x^{13} - 2 x^{12} - 5 x^{10} + 6 x^{9} + x^{8} + 2 x^{7} + 4 x^{6} - 4 x^{5} - 2 x^{3} - x^{2} - 1) / ((x + 1)^{2} (x^{2} + 1)^{2} (x - 1)^{4})$$

Sequence: A341301
Score: 12.1284
Type of gen. func.: ogf

$$- \frac{7 x^{4} - 4 x^{3} + 2 x^{2} - 4 x + 5}{(x^{2} + x + 1) (x - 1)^{3}}$$

Sequence: A341301
Score: 5.33358
Type of gen. func.: ogf

$$\{a(n + 5) - 2 a(n + 4) + a(n + 3) - a(n + 2) + 2 a(n + 1) - a(n), a(0) = 5, a(1) = 6, a(2) = 9, a(3) = 13, a(4) = 20\}$$

Sequence: A341307
Score: 9.74404
Type of gen. func.: ogf

$$\frac{x^{4} + x^{2} - x + 1}{(x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A341311
Score: 7.67847
Type of gen. func.: ogf

$$\frac{x^5 + x^4 + x^3 + x^2 - x + 1}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A341344
Score: 7.4072
Type of gen. func.: ogf

$$-2 f(x)^2 x^2 + 2 f(x) x^3 + 4 f(x)^2 x - f(x)^2 - 7 f(x) x + 2 x^2 + 2 f(x) + 3 x - 1$$

Sequence: A341396
Score: 12.108
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^3 + 8 x^2 - 6 x + 15}{(x + 1) (x^2 + 1)}$$

Sequence: A341397
Score: 12.1285
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^3 + 9 x^2 - 7 x + 17}{(x + 1) (x^2 + 1)}$$

Sequence: A341398
Score: 12.1073
Type of gen. func.: ogf_with_Euler_transform]

$$x^3 + 10 x^2 - 8 x + 19$$

$$\overline{(x + 1) (x^2 + 1)}$$

Sequence: A341399
Score: 12.3111
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^3 + 11 x^2 - 9 x + 21}{(x + 1) (x^2 + 1)}$$

Sequence: A341438
Score: 7.29352
Type of gen. func.: ogf

$$x (2 x^{49} - 2 x^{47} - 7 x^{46} + 7 x^{44} + 2 x^{43} - 2 x^{42} - 6 x^{32} + 8 x^{29} - 8 x^{28} + 4 x^5 + 4 x^3 - 4 x^2 + 4 x - 9)/(x - 1)$$

Sequence: A341441
Score: 13.2209
Type of gen. func.: ogf

$$\frac{x^5 + 20 x^4 + 7 x^3 - 63 x^2 - 28 x - 1}{(x - 1)^7}$$

Sequence: A341463
Score: 11.3986
Type of gen. func.: ogf

$$\{-a(n + 2) - 4 a(n + 1) - 3 a(n), a(0) = -1, a(1) = 2\}$$

Sequence: A341463
Score: 20.5731
Type of gen. func.: ogf

$$- \frac{2 x + 1}{}$$

$$(x + 1) (3 x + 1)$$

Sequence: A341463
Score: 9.47749
Type of gen. func.: ogf

$$-(f(x) - 1) (3 f(x) x^2 + 4 f(x) x + f(x) + 2 x + 1)$$

Sequence: A341543
Score: 11.3235
Type of gen. func.: ogf

$$-\frac{4 (x^2 - 5 x + 2)}{(x - 1) (x^2 - 6 x + 1)}$$

Sequence: A341543
Score: 5.42386
Type of gen. func.: ogf

$$(11478 f(x) + 6247) (f(x) x^3 - 7 f(x) x^2 + 7 f(x) x + 4 x^2 - f(x) - 20 x + 8)$$

Sequence: A341543
Score: 6.03214
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) - 7 a(n + 1) + a(n), a(0) = 8, a(1) = 36, a(2) = 200\}$$

Sequence: A341544
Score: 4.02246
Type of gen. func.: ogf

$$\{-a(n + 5) + 19 a(n + 4) - 76 a(n + 3) + 76 a(n + 2) - 19 a(n + 1) + a(n),$$

$$a(0) = 36, a(1) = 256, a(2) = 2916, a(3) = 38416, a(4) = 527076\}$$

Sequence: A341544
Score: 7.43545

Type of gen. func.: ogf

$$-\frac{4\,(4x^4-67x^3+197x^2-107x+9)}{(x-1)\,(x^2-14x+1)\,(x^2-4x+1)}$$

Sequence: A341549
Score: 11.3548
Type of gen. func.: ogf

$$\frac{4x^3-2x^2+3x-3}{(x-1)\,(x+1)^2\,(-1+2x)^2}$$

Sequence: A341549
Score: 4.9204
Type of gen. func.: ogf

{a(n + 5) - 3 a(n + 4) - a(n + 3) + 7 a(n + 2) - 4 a(n), a(0) = 3, a(1) = 6,

a(2) = 23, a(3) = 50, a(4) = 131}

Sequence: A341552
Score: 16.068
Type of gen. func.: ogf

$$-\frac{3\,(105x-43)}{(7x-1)\,(3x-1)}$$

Sequence: A341552
Score: 7.14134
Type of gen. func.: ogf

$$(1444 f(x) + 130599)\,(21 f(x) x^2 - 10 f(x) x + f(x) + 315 x - 129)$$

Sequence: A341552
Score: 8.83741
Type of gen. func.: ogf

{-a(n + 2) + 10 a(n + 1) - 21 a(n), a(0) = 129, a(1) = 975}

Sequence: A341553
Score: 3.91628
Type of gen. func.: ogf

{-a(n + 4) + 26 a(n + 3) - 196 a(n + 2) + 486 a(n + 1) - 315 a(n), a(0) = 3451,

a(1) = 61567, a(2) = 996787, a(3) = 15478951}

Sequence: A341553
Score: 6.45985
Type of gen. func.: ogf

$$-\frac{47565 x^3 - 72441 x^2 + 28159 x - 3451}{(x - 1) (15 x - 1) (3 x - 1) (7 x - 1)}$$

Sequence: A341579
Score: 11.1924
Type of gen. func.: ogf

$$\frac{x (x^2 + x + 1)}{(x - 1) (2 x^4 + x^2 + x - 1)}$$

Sequence: A341579
Score: 12.5699
Type of gen. func.: ogf

$$\frac{x (x^2 + x + 1)}{(x - 1) (2 x^4 + x^2 + x - 1)}$$

Sequence: A341579
Score: 5.59618
Type of gen. func.: ogf

{a(n + 5) - 2 a(n + 4) + a(n + 2) - 2 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 1,

a(2) = 3, a(3) = 7, a(4) = 13}

Sequence: A341580
Score: 11.1433
Type of gen. func.: ogf

$$\frac{x (x^3 + x + 1)}{(x - 1) (2 x^4 + x^2 + x - 1)}$$

Sequence: A341580
Score: 12.5148
Type of gen. func.: ogf

$$\frac{x (x^3 + x + 1)}{(x - 1) (2 x^4 + x^2 + x - 1)}$$

Sequence: A341580
Score: 5.57164
Type of gen. func.: ogf

{-a(n + 5) + 2 a(n + 4) - a(n + 2) + 2 a(n + 1) - 2 a(n), a(0) = 0, a(1) = 1,

a(2) = 3, a(3) = 6, a(4) = 12}

Sequence: A341581
Score: 10.4713
Type of gen. func.: ogf

$$\frac{x (x^3 + x^2 + 1)}{(x - 1) (2 x^4 + x^2 + x - 1)}$$

Sequence: A341581
Score: 11.6854
Type of gen. func.: ogf

$$x (x^3 + x^2 + 1)$$

$$(x - 1) (2 x^4 + x^2 + x - 1)$$

Sequence: A341581
Score: 5.52255
Type of gen. func.: ogf

$$\{-a(n + 5) + 2 a(n + 4) - a(n + 2) + 2 a(n + 1) - 2 a(n), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 5, a(4) = 10\}$$

Sequence: A341582
Score: 12.666
Type of gen. func.: ogf

$$- \frac{x (x^2 + x + 1)}{2 x^4 + x^2 + x - 1}$$

Sequence: A341582
Score: 14.4437
Type of gen. func.: ogf

$$- \frac{x (x^2 + x + 1)}{2 x^4 + x^2 + x - 1}$$

Sequence: A341582
Score: 7.15904
Type of gen. func.: ogf

$$(4 f(x) + 3) (2 f(x) x^4 + f(x) x^2 + x^3 + f(x) x + x^2 - f(x) + x)$$

Sequence: A341582
Score: 7.15904
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 3) + a(n + 2) + 2 a(n), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 4\}$$

Sequence: A341583
Score: 10.1437
Type of gen. func.: ogf

$$-\frac{x\,(x-1)\,(x^2+x+1)}{(-1+2x)\,(2x^4+x^2+x-1)}$$

Sequence: A341583
Score: 5.01001
Type of gen. func.: ogf

$$\{-a(n+5)+3\,a(n+4)-a(n+3)-2\,a(n+2)+2\,a(n+1)-4\,a(n),\ a(0)=0,$$
$$a(1)=1,\ a(2)=3,\ a(3)=8,\ a(4)=18\}$$

Sequence: A341583
Score: 9.23193
Type of gen. func.: ogf

$$-\frac{x\,(x-1)\,(x^2+x+1)}{(-1+2x)\,(2x^4+x^2+x-1)}$$

Sequence: A341590
Score: 11.2015
Type of gen. func.: ogf

$$-\frac{4x^2}{(x-1)\,(3x-1)\,(7x-1)}$$

Sequence: A341590
Score: 13.1929
Type of gen. func.: ogf

$$-\frac{4x^2}{(x-1)\,(3x-1)\,(7x-1)}$$

Sequence: A341590
Score: 5.65411
Type of gen. func.: ogf

$$\{a(n+3) - 11\,a(n+2) + 31\,a(n+1) - 21\,a(n),\ a(0) = 0,\ a(1) = 0,\ a(2) = 4\}$$

Sequence: A341590
Score: 7.06764
Type of gen. func.: ogf

$$21\,f(x)\,x^3 - 31\,f(x)\,x^2 + 11\,f(x)\,x + 4\,x^2 - f(x)$$

Sequence: A341597
Score: 11.6531
Type of gen. func.: ogf

$$-\frac{15\,x^3 + 91\,x^2 + 53\,x + 1}{(x-1)^7}$$

Sequence: A341597
Score: 13.5953
Type of gen. func.: ogf

$$-\frac{15\,x^3 + 91\,x^2 + 53\,x + 1}{(x-1)^7}$$

Sequence: A341671
Score: 10.2486
Type of gen. func.: ogf

$$\{a(n+2) - 14\,a(n+1) + a(n),\ a(0) = 3,\ a(1) = 39\}$$

Sequence: A341671
Score: 16.9324
Type of gen. func.: ogf

$$-\frac{3\,(x-1)}{x^2-14\,x+1}$$

Sequence: A341671
Score: 20.4971
Type of gen. func.: ogf

$$-\frac{3\,(x-1)}{x^2-14\,x+1}$$

Sequence: A341671
Score: 8.4662
Type of gen. func.: ogf

$$-(60\,f(x)-11)\,(f(x)\,x^2-14\,f(x)\,x+f(x)+3\,x-3)$$

Sequence: A341703
Score: 13.8194
Type of gen. func.: ogf

$$-\frac{9\,x^4-8\,x^3+8\,x^2-4\,x+1}{(x-1)^5}$$

Sequence: A341703
Score: 15.9053
Type of gen. func.: ogf

$$-\frac{9\,x^4-8\,x^3+8\,x^2-4\,x+1}{(x-1)^5}$$

Sequence: A341703
Score: 5.04779
Type of gen. func.: ogf

```
{-a(n + 5) + 5 a(n + 4) - 10 a(n + 3) + 10 a(n + 2) - 5 a(n + 1) + a(n),

    a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 7, a(4) = 19}


-------------------------------------------------------------------------------

Sequence:  A341704
Score: 11.3478
Type of gen. func.: ogf

                            6      4       3       2
                        19 x  + 9 x  - 18 x  + 15 x  - 6 x + 1
                      - --------------------------------------
                                                7
                                         (x - 1)


-------------------------------------------------------------------------------

Sequence:  A341704
Score: 12.7663
Type of gen. func.: ogf

                            6      4       3       2
                        19 x  + 9 x  - 18 x  + 15 x  - 6 x + 1
                      - --------------------------------------
                                                7
                                         (x - 1)


-------------------------------------------------------------------------------

Sequence:  A341705
Score: 8.14589
Type of gen. func.: ogf

               8       7       6       5       4       3       2
           73 x  - 16 x  + 40 x  - 64 x  + 72 x  - 56 x  + 28 x  - 8 x + 1
         - ----------------------------------------------------------------
                                                      9
                                               (x - 1)


-------------------------------------------------------------------------------

Sequence:  A341705
Score: 8.85423
Type of gen. func.: ogf

               8       7       6       5       4       3       2
           73 x  - 16 x  + 40 x  - 64 x  + 72 x  - 56 x  + 28 x  - 8 x + 1
         - ----------------------------------------------------------------
                                                      9
                                               (x - 1)


-------------------------------------------------------------------------------

Sequence:  A341714
Score: 4.08984
```

Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{(x+1)(x^2+1)(x^2+x+1)(x^2-x+1)(x^4-x^2+1)}{(x-1)(x^{12}+x^{11}+x^{10}+x^9+x^8+x^7+x^6+x^5+x^4+x^3+x^2+x+1)}$$

Sequence: A341735
Score: 14.9756
Type of gen. func.: ogf

$$-\frac{x(4x^3+5x^2+6x+1)}{(x-1)^5}$$

Sequence: A341735
Score: 17.4206
Type of gen. func.: ogf

$$-\frac{x(4x^3+5x^2+6x+1)}{(x-1)^5}$$

Sequence: A341735
Score: 5.05095
Type of gen. func.: ogf

{-a(n + 5) + 5 a(n + 4) - 10 a(n + 3) + 10 a(n + 2) - 5 a(n + 1) + a(n),

a(0) = 0, a(1) = 1, a(2) = 11, a(3) = 50, a(4) = 154}

Sequence: A341740
Score: 18.1342
Type of gen. func.: ogf

$$-\frac{4x^2-13x+12}{(x-1)^3}$$

Sequence: A341740
Score: 21.8541
Type of gen. func.: ogf

$$-\frac{4 x^{2} - 13 x + 12}{(x - 1)^{3}}$$

Sequence: A341740
Score: 7.10257
Type of gen. func.: ogf

$$(2025 f(x) - 14521) (f(x) x^{3} - 3 f(x) x^{2} + 3 f(x) x + 4 x^{2} - f(x) - 13 x + 12)$$

Sequence: A341740
Score: 7.9655
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 12, a(1) = 23, a(2) = 37}

Sequence: A341744
Score: 13.3337
Type of gen. func.: ogf

$$-\frac{x^{3} - 2 x^{2} - 1}{(x^{2} + 1) (x - 1)^{2}}$$

Sequence: A341744
Score: 15.2051
Type of gen. func.: ogf

$$-\frac{x^{3} - 2 x^{2} - 1}{(x^{2} + 1) (x - 1)^{2}}$$

Sequence: A341744
Score: 6.19066
Type of gen. func.: ogf

$-(64 f(x) + 351)$

$$(f(x) x^4 - 2 f(x) x^3 + 2 f(x) x^2 + x^3 - 2 f(x) x - 2 x^2 + f(x) - 1)$$

Sequence: A341744
Score: 6.46786
Type of gen. func.: ogf

$\{a(n + 4) - 2 a(n + 3) + 2 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 1, a(1) = 2,$

$a(2) = 4, a(3) = 5\}$

Sequence: A341768
Score: 17.5805
Type of gen. func.: ogf

$$-\frac{x (x^2 - 6 x + 2)}{(x - 1)^4}$$

Sequence: A341768
Score: 21.0108
Type of gen. func.: ogf

$$-\frac{x (x^2 - 6 x + 2)}{(x - 1)^4}$$

Sequence: A341768
Score: 6.10953
Type of gen. func.: ogf

$(12528 f(x) + 26735)$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + x^3 - 4 f(x) x - 6 x^2 + f(x) + 2 x)$$

Sequence: A341768
Score: 6.47702
Type of gen. func.: ogf

{-a(n + 4) + 4 a(n + 3) - 6 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 0, a(1) = -2,

a(2) = -2, a(3) = 3}

Sequence: A341770
Score: 8.23579
Type of gen. func.: ogf

$$\frac{2 x^9 - 4 x^8 + 28 x^7 - 60 x^6 + 42 x^5 - 20 x^4 + 12 x^3 - 2 x^2 - 5 x - 1}{(x - 1)^3}$$

Sequence: A341770
Score: 8.93671
Type of gen. func.: ogf

$$\frac{2 x^9 - 4 x^8 + 28 x^7 - 60 x^6 + 42 x^5 - 20 x^4 + 12 x^3 - 2 x^2 - 5 x - 1}{(x - 1)^3}$$

Sequence: A341893
Score: 10.3385
Type of gen. func.: ogf

$$- \frac{x (x^2 + x + 1) (x^2 + 4 x + 1)}{(x - 1) (x^6 - 38 x^3 + 1)}$$

Sequence: A341893
Score: 11.3002
Type of gen. func.: ogf

$$- \frac{x (x^2 + x + 1) (x^2 + 4 x + 1)}{(x - 1) (x^6 - 38 x^3 + 1)}$$

Sequence: A341895

Score: 10.7004
Type of gen. func.: ogf

$$\frac{x\,(x^5 + 4\,x^4 + 16\,x^3 - 19\,x^2 - 16\,x - 4)}{(x - 1)\,(x^6 - 38\,x^3 + 1)}$$

Sequence: A341895
Score: 9.81789
Type of gen. func.: ogf

$$\frac{x\,(x^5 + 4\,x^4 + 16\,x^3 - 19\,x^2 - 16\,x - 4)}{(x - 1)\,(x^6 - 38\,x^3 + 1)}$$

Sequence: A341896
Score: 8.68352
Type of gen. func.: ogf

$$\frac{10\,x^7 - 13\,x^6 + 46\,x^5 + 11\,x^4 + 6\,x^3 + x^2 + 2\,x + 1}{(x - 1)^4\,(x + 1)^4}$$

Sequence: A341896
Score: 9.46406
Type of gen. func.: ogf

$$\frac{10\,x^7 - 13\,x^6 + 46\,x^5 + 11\,x^4 + 6\,x^3 + x^2 + 2\,x + 1}{(x - 1)^4\,(x + 1)^4}$$

Sequence: A341900
Score: 4.1926
Type of gen. func.: ogf

$$\{-a(n + 3)\,n + a(n + 1)\,n + a(n + 4) - 4\,a(n + 3) - a(n + 2) + 4\,a(n + 1),$$

$$a(0) = 0,\ a(1) = 1,\ a(2) = 2,\ a(3) = 7\}$$

Sequence: A341905
Score: 13.3471
Type of gen. func.: ogf

$$\frac{x^2 + 3 x - 3}{(-1 + 2 x) (x^2 + x + 1)}$$

Sequence: A341905
Score: 15.3618
Type of gen. func.: ogf

$$\frac{x^2 + 3 x - 3}{(-1 + 2 x) (x^2 + x + 1)}$$

Sequence: A341905
Score: 7.07978
Type of gen. func.: ogf

$$(321 f(x) - 959) (2 f(x) x^3 + f(x) x^2 + f(x) x - x^2 - f(x) - 3 x + 3)$$

Sequence: A341905
Score: 7.90461
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) - 2 a(n), a(0) = 3, a(1) = 0, a(2) = 2\}$$

Sequence: A341927
Score: 11.1013
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + a(n), a(0) = 1, a(1) = 6\}$$

Sequence: A341927
Score: 18.2555
Type of gen. func.: ogf

$$-1 + 2 x$$

```
- ------------
    2
   x  - 8 x + 1
```

Sequence: A341927
Score: 22.2027
Type of gen. func.: ogf

$$-\frac{-1 + 2 x}{x^2 - 8 x + 1}$$

Sequence: A341927
Score: 9.12777
Type of gen. func.: ogf

$$-(23 f(x) - 5) (f(x) x^2 - 8 f(x) x + f(x) + 2 x - 1)$$

Sequence: A341928
Score: 11.4389
Type of gen. func.: ogf

$$-\frac{10 x^2 - 25 x - 3}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A341928
Score: 12.9899
Type of gen. func.: ogf

$$-\frac{10 x^2 - 25 x - 3}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A341928
Score: 6.0347
Type of gen. func.: ogf

$$(13123379 f(x) + 44203413)$$

$$(f(x) x^{3} - 2 f(x) x^{2} - 2 f(x) x + 10 x^{2} + f(x) - 25 x - 3)$$

Sequence: A341928
Score: 7.23026
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 2 a(n + 1) - a(n), a(0) = 3, a(1) = 31, a(2) = 58\}$$

Sequence: A341929
Score: 11.7244
Type of gen. func.: ogf

$$\{a(n + 2) - 8 a(n + 1) + a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A341929
Score: 19.2802
Type of gen. func.: ogf

$$- \frac{6 x - 1}{x^{2} - 8 x + 1}$$

Sequence: A341929
Score: 23.4489
Type of gen. func.: ogf

$$- \frac{6 x - 1}{x^{2} - 8 x + 1}$$

Sequence: A341929
Score: 9.74841
Type of gen. func.: ogf

$$-(7 f(x) - 5) (f(x) x^{2} - 8 f(x) x + f(x) + 6 x - 1)$$

Sequence: A341935
Score: 2.04628

Type of gen. func.: ogf

$$\frac{x\,(60\,x^{12}-89\,x^{11}+42\,x^{10}-9\,x^{9}-5\,x^{2}+5)}{(x+1)\,(10\,x^{11}+x^{10}-9\,x^{9}-5\,x+5)\,(x-1)^{2}}$$

Sequence: A341935
Score: 2.18046
Type of gen. func.: ogf

$$\frac{x\,(60\,x^{12}-89\,x^{11}+42\,x^{10}-9\,x^{9}-5\,x^{2}+5)}{(x+1)\,(10\,x^{11}+x^{10}-9\,x^{9}-5\,x+5)\,(x-1)^{2}}$$

Sequence: A341943
Score: 3.82165
Type of gen. func.: ogf

$$-(160184\,f(x)+78719)\,(8\,f(x)\,x^{4}-9\,f(x)\,x^{2}-2\,x^{3}-6\,x^{2}+f(x)-x)$$

Sequence: A341943
Score: 4.28961
Type of gen. func.: ogf

$$\{a(n+4)-9\,a(n+2)+8\,a(n),\ a(0)=0,\ a(1)=1,\ a(2)=6,\ a(3)=11\}$$

Sequence: A341943
Score: 5.75865
Type of gen. func.: ogf

$$\frac{x\,(2\,x^{2}+6\,x+1)}{(x-1)\,(x+1)\,(8\,x^{2}-1)}$$

Sequence: A341943
Score: 6.46741
Type of gen. func.: ogf

$$\frac{x (2 x^{2} + 6 x + 1)}{(x - 1) (x + 1) (8 x^{2} - 1)}$$

Sequence: A341961
Score: 14.0516
Type of gen. func.: revogf

$$\frac{x (x - 1)^{2}}{(x + 1) (2 x + 1)}$$

Sequence: A341961
Score: 7.69143
Type of gen. func.: ogf

$$-f(x)^{3} x^{2} + 2 f(x)^{2} x^{2} + 2 f(x)^{2} x + 3 f(x) x - f(x) + 1$$

Sequence: A341962
Score: 12.9392
Type of gen. func.: revogf

$$- \frac{x (-1 + 2 x)^{2}}{(x - 1) (x + 1)}$$

Sequence: A341962
Score: 9.41034
Type of gen. func.: ogf

$$4 f(x)^{3} x^{2} + f(x)^{2} x^{2} - 4 f(x)^{2} x + f(x) - 1$$

Sequence: A341963
Score: 13.876
Type of gen. func.: revogf

$$\frac{x (3 x - 1)^{2}}{(-1 + 2 x) (x - 1)}$$

Sequence: A341963
Score: 7.59528
Type of gen. func.: ogf

$$9 f(x)^{3} x^{2} - 2 f(x)^{2} x^{2} - 6 f(x)^{2} x + 3 f(x) x + f(x) - 1$$

Sequence: A341964
Score: 9.22369
Type of gen. func.: revogf

$$-\frac{x (x - 1)^{3}}{(2 x + 1) (3 x + 1) (x + 1)}$$

Sequence: A341965
Score: 9.66468
Type of gen. func.: revogf

$$\frac{x (-1 + 2 x)^{3}}{(x - 1) (2 x + 1) (x + 1)}$$

Sequence: A341966
Score: 9.05366
Type of gen. func.: revogf

$$-\frac{x (3 x - 1)^{3}}{(x - 1) (-1 + 2 x) (x + 1)}$$

Sequence: A341967
Score: 9.61952
Type of gen. func.: revogf

$$\frac{x (-1 + 4 x)^{3}}{(x - 1) (3 x - 1) (-1 + 2 x)}$$

Sequence: A341968
Score: 9.89049
Type of gen. func.: revogf

$$\frac{x}{(4x+1)(2x+1)(3x+1)(x+1)}$$

Sequence: A342073
Score: 8.02911
Type of gen. func.: ogf

$$-\frac{120x^5(18089x^5+9545x^4+2270x^3+310x^2+25x+1)}{(x-1)^{11}}$$

Sequence: A342073
Score: 8.8221
Type of gen. func.: ogf

$$-\frac{120x^5(18089x^5+9545x^4+2270x^3+310x^2+25x+1)}{(x-1)^{11}}$$

Sequence: A342112
Score: 3.79146
Type of gen. func.: ogf

$$x^2(x^{12}-x^{11}+15x^{10}+8x^9+13x^8+12x^7+12x^6+12x^5+12x^4+12x^3$$
$$+12x^2+9x+3) \Big/ ((x+1)(x^4+x^3+x^2+x+1)$$
$$(x^4-x^3+x^2-x+1)(x-1)^6)$$

Sequence: A342112
Score: 3.93454
Type of gen. func.: ogf

$$x^2(x^{12}-x^{11}+15x^{10}+8x^9+13x^8+12x^7+12x^6+12x^5+12x^4+12x^3$$

$$+ 12 x^{2} + 9 x + 3) \Big/ ((x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{6})$$

Sequence: A342115
Score: 3.7592
Type of gen. func.: ogf

$$- x (99 x^{20} + 11 x^{11} - x^{10} - 97 x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x - 9) \Big/ ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A342115
Score: 3.90105
Type of gen. func.: ogf

$$- x (99 x^{20} + 11 x^{11} - x^{10} - 97 x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x - 9) \Big/ ((x^{10} + x^{9} + x^{8} + x^{7} + x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1) (x - 1)^{2})$$

Sequence: A342131
Score: 10.6999
Type of gen. func.: ogf

$$\frac{x (x^{4} + 2 x^{3} + 3 x^{2} + x + 2)}{(x^{2} + 1) (x - 1)^{2} (x + 1)^{2}}$$

Sequence: A342131
Score: 6.2352
Type of gen. func.: ogf

{-a(n + 6) + a(n + 4) + a(n + 2) - a(n), a(0) = 0, a(1) = 2, a(2) = 1, a(3) = 5,

a(4) = 3, a(5) = 8}

Sequence: A342131
Score: 9.73812
Type of gen. func.: ogf

$$\frac{x (x^4 + 2 x^3 + 3 x^2 + x + 2)}{(x^2 + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A342159
Score: 10.093
Type of gen. func.: ogf

$$-\frac{x (5 x^3 - x^2 + 3 x + 1) (x^3 - 7 x^2 - x - 1)}{(x - 1)^4 (x + 1)^4}$$

Sequence: A342159
Score: 11.0003
Type of gen. func.: ogf

$$-\frac{x (5 x^3 - x^2 + 3 x + 1) (x^3 - 7 x^2 - x - 1)}{(x - 1)^4 (x + 1)^4}$$

Sequence: A342234
Score: 4.30896
Type of gen. func.: ogf

$$(799834805 f(x) - 5900415091) (17496 f(x) x^4 - 6966 f(x) x^3 + 963 f(x) x^2 + 810 x^3 - 54 f(x) x - 54 x^2 + f(x) - 3 x)$$

Sequence: A342234
Score: 4.74568
Type of gen. func.: ogf

$$\{a(n + 4) - 54 a(n + 3) + 963 a(n + 2) - 6966 a(n + 1) + 17496 a(n), a(0) = 0, a(1) = 3, a(2) = 216, a(3) = 7965\}$$

Sequence: A342234
Score: 8.56537
Type of gen. func.: ogf

$$-\frac{3 x (270 x^2 - 18 x - 1)}{(12 x - 1) (6 x - 1) (9 x - 1) (27 x - 1)}$$

Sequence: A342235
Score: 10.3232
Type of gen. func.: ogf

$$-\frac{2 x^6 - 4 x^5 + x^4 + 6 x^3 + 4 x^2 + 2 x + 1}{(x + 1) (x - 1)^3}$$

Sequence: A342235
Score: 5.03723
Type of gen. func.: ogf

{-a(n + 7) + 2 a(n + 6) - 2 a(n + 4) + a(n + 3), a(0) = 1, a(1) = 4, a(2) = 12,

a(3) = 28, a(4) = 50, a(5) = 76, a(6) = 110}

Sequence: A342253
Score: 14.1706
Type of gen. func.: ogf

$$-\frac{4 x^6 + x^2 - 16 x + 13}{(x - 1)^3}$$

Sequence: A342253
Score: 3.98813
Type of gen. func.: ogf

{-a(n + 7) + 3 a(n + 6) - 3 a(n + 5) + a(n + 4), a(0) = 13, a(1) = 23,

a(2) = 31, a(3) = 37, a(4) = 41, a(5) = 43, a(6) = 47}

Sequence: A342280
Score: 5.80082
Type of gen. func.: ogf

$$\frac{x^{21} - x^{20} + 4 x^{6} + 7 x^{5} + 7 x^{4} + 6 x^{3} + 7 x^{2} + 7 x + 3}{(x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A342280
Score: 6.14458
Type of gen. func.: ogf

$$\frac{x^{21} - x^{20} + 4 x^{6} + 7 x^{5} + 7 x^{4} + 6 x^{3} + 7 x^{2} + 7 x + 3}{(x + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A342288
Score: 13.1023
Type of gen. func.: egf]

$$2 \operatorname{hypergeom}([1/2, 5/2], [2, 4], 16 x)$$

Sequence: A342288
Score: 4.26587
Type of gen. func.: ogf

$$\{a(n + 2) n^{2} - 16 a(n + 1) n^{2} + 8 a(n + 2) n - 80 a(n + 1) n + 15 a(n + 2) - 84 a(n + 1), a(0) = 2, a(1) = 5\}$$

Sequence: A342300
Score: 7.4557
Type of gen. func.: ogf

$$- x (1189 x^{8} - 7122 x^{7} + 17753 x^{6} - 23575 x^{5} + 17556 x^{4} - 9610 x^{3} - 33 x^{2} + 3 x - 1) / (x - 1)^{6}$$

Sequence: A342300
Score: 7.99305
Type of gen. func.: ogf

$$-x\left(1189 x^{8} - 7122 x^{7} + 17753 x^{6} - 23575 x^{5} + 17556 x^{4} - 9610 x^{3} - 33 x^{2} + 3 x - 1\right) \Big/ (x - 1)^{6}$$

Sequence: A342327
Score: 4.2487
Type of gen. func.: ogf

$$-\frac{11786355 x^{4} - 18476982 x^{3} + 7781500 x^{2} - 1145498 x + 64705}{(x - 1) (15 x - 1) (3 x - 1) (31 x - 1) (7 x - 1)}$$

Sequence: A342327
Score: 4.50426
Type of gen. func.: ogf

$$-\frac{11786355 x^{4} - 18476982 x^{3} + 7781500 x^{2} - 1145498 x + 64705}{(x - 1) (15 x - 1) (3 x - 1) (31 x - 1) (7 x - 1)}$$

Sequence: A342350
Score: 15.1406
Type of gen. func.: ogf

$$-\frac{38272752 x - 38272753}{(x - 1)^{2}}$$

Sequence: A342350
Score: 17.9574
Type of gen. func.: ogf

$$-\frac{38272752 x - 38272753}{(x - 1)^{2}}$$

Sequence: A342350
Score: 6.83335
Type of gen. func.: ogf

$$(f(x) + 732401811099505) (f(x) x^2 - 2 f(x) x + f(x) + 38272752 x - 38272753)$$

Sequence: A342350
Score: 8.77465
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 38272753, a(1) = 38272754\}$$

Sequence: A342351
Score: 18.0546
Type of gen. func.: ogf

$$- \frac{11880 x - 11881}{(x - 1)^2}$$

Sequence: A342351
Score: 21.9583
Type of gen. func.: ogf

$$- \frac{11880 x - 11881}{(x - 1)^2}$$

Sequence: A342351
Score: 8.12457
Type of gen. func.: ogf

$$(f(x) + 70579081) (f(x) x^2 - 2 f(x) x + f(x) + 11880 x - 11881)$$

Sequence: A342351
Score: 9.90801
Type of gen. func.: ogf

{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 11881, a(1) = 11882}

Sequence: A342352
Score: 13.4249
Type of gen. func.: ogf

$$\frac{x^4 (2 x^2 - 5 x + 4)}{(-1 + 2 x) (x - 1)^3}$$

Sequence: A342352
Score: 15.6167
Type of gen. func.: ogf

$$\frac{x^4 (2 x^2 - 5 x + 4)}{(-1 + 2 x) (x - 1)^3}$$

Sequence: A342352
Score: 4.34784
Type of gen. func.: ogf

{a(n + 7) - 5 a(n + 6) + 9 a(n + 5) - 7 a(n + 4) + 2 a(n + 3), a(0) = 0,

a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 4, a(5) = 15, a(6) = 41}

Sequence: A342362
Score: 13.5096
Type of gen. func.: ogf

$$\frac{x^4 + 8 x^3 + 10 x^2 + 8 x + 1}{(x + 1)^2 (x - 1)^4}$$

Sequence: A342362
Score: 15.2528
Type of gen. func.: ogf

$$x^4 + 8 x^3 + 10 x^2 + 8 x + 1$$

$$\overline{(x + 1)^2 (x - 1)^4}$$

Sequence: A342362
Score: 4.70485
Type of gen. func.: ogf

$$\{-a(n + 6) + 2 a(n + 5) + a(n + 4) - 4 a(n + 3) + a(n + 2) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = 10, a(2) = 31, a(3) = 76, a(4) = 145, a(5) = 254\}$$

Sequence: A342369
Score: 12.2746
Type of gen. func.: ogf

$$\frac{x (x^4 + 4 x^3 + 6 x^2 + x + 2)}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A342369
Score: 13.6197
Type of gen. func.: ogf

$$\frac{x (x^4 + 4 x^3 + 6 x^2 + x + 2)}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A342369
Score: 8.21685
Type of gen. func.: ogf

$$\{-a(n + 6) + 2 a(n + 3) - a(n), a(0) = 0, a(1) = 2, a(2) = 1, a(3) = 6, a(4) = 8, a(5) = 3\}$$

Sequence: A342379
Score: 12.4164
Type of gen. func.: ogf

$$x^5 (2 x^3 - 7 x^2 + 9 x - 5)$$

$$\frac{}{(-1 + 2 x) (x - 1)^{4}}$$

Sequence: A342379
Score: 14.159
Type of gen. func.: ogf

$$\frac{x^{5} (2 x^{3} - 7 x^{2} + 9 x - 5)}{(-1 + 2 x) (x - 1)^{4}}$$

Sequence: A342380
Score: 10.6186
Type of gen. func.: ogf

$$\frac{x^{6} (2 x^{4} - 9 x^{3} + 16 x^{2} - 14 x + 6)}{(-1 + 2 x) (x - 1)^{5}}$$

Sequence: A342380
Score: 11.8865
Type of gen. func.: ogf

$$\frac{x^{6} (2 x^{4} - 9 x^{3} + 16 x^{2} - 14 x + 6)}{(-1 + 2 x) (x - 1)^{5}}$$

Sequence: A342397
Score: 16.8148
Type of gen. func.: ogf

$$\frac{x (2 x^{2} + 3 x + 2)}{(x + 1)^{2} (x - 1)^{4}}$$

Sequence: A342397
Score: 19.5601
Type of gen. func.: ogf

$$\frac{x\,(2\,x^{2}+3\,x+2)}{(x+1)^{2}\,(x-1)^{4}}$$

Sequence: A342397
Score: 4.89003
Type of gen. func.: ogf

$$\{-a(n+6)+2\,a(n+5)+a(n+4)-4\,a(n+3)+a(n+2)+2\,a(n+1)-a(n),$$
$$a(0)=0,\ a(1)=2,\ a(2)=7,\ a(3)=18,\ a(4)=35,\ a(5)=62\}$$

Sequence: A342404
Score: 12.2097
Type of gen. func.: ogf

$$-\frac{x^{4}\,(17\,x^{2}-20\,x+6)}{(-1+2\,x)^{3}\,(x-1)^{4}}$$

Sequence: A342404
Score: 13.9857
Type of gen. func.: ogf

$$-\frac{x^{4}\,(17\,x^{2}-20\,x+6)}{(-1+2\,x)^{3}\,(x-1)^{4}}$$

Sequence: A342405
Score: 3.88938
Type of gen. func.: ogf

$$-(58708205\,f(x)-3343938102)\,(17496\,f(x)\,x^{4}-6966\,f(x)\,x^{3}+963\,f(x)\,x^{2}$$
$$+2916\,x^{3}-54\,f(x)\,x+162\,x^{2}+f(x)-45\,x)$$

Sequence: A342405

Score: 4.35302
Type of gen. func.: ogf

$$\{a(n + 4) - 54 a(n + 3) + 963 a(n + 2) - 6966 a(n + 1) + 17496 a(n), a(0) = 0, a(1) = 45, a(2) = 2268, a(3) = 76221\}$$

Sequence: A342405
Score: 7.30339
Type of gen. func.: ogf

$$-\frac{9 x (324 x^2 + 18 x - 5)}{(12 x - 1) (6 x - 1) (9 x - 1) (27 x - 1)}$$

Sequence: A342405
Score: 8.01592
Type of gen. func.: ogf

$$-\frac{9 x (324 x^2 + 18 x - 5)}{(12 x - 1) (6 x - 1) (9 x - 1) (27 x - 1)}$$

Sequence: A342482
Score: 11.018
Type of gen. func.: ogf

$$\frac{2 x (4 x^3 - 14 x^2 + 17 x - 6)}{(-1 + 2 x)^2 (x - 1)^3}$$

Sequence: A342482
Score: 12.4171
Type of gen. func.: ogf

$$\frac{2 x (4 x^3 - 14 x^2 + 17 x - 6)}{(-1 + 2 x)^2 (x - 1)^3}$$

Sequence: A342482

Score: 4.54811
Type of gen. func.: ogf

$$\{-a(n + 5) + 7 a(n + 4) - 19 a(n + 3) + 25 a(n + 2) - 16 a(n + 1) + 4 a(n),$$

$$a(0) = 0, a(1) = 12, a(2) = 50, a(3) = 150, a(4) = 392\}$$

Sequence: A342483
Score: 8.49529
Type of gen. func.: ogf

$$\frac{x (24 x^5 - 124 x^4 + 262 x^3 - 285 x^2 + 150 x - 30)}{(-1 + 2 x)^3 (x - 1)^4}$$

Sequence: A342483
Score: 9.31411
Type of gen. func.: ogf

$$\frac{x (24 x^5 - 124 x^4 + 262 x^3 - 285 x^2 + 150 x - 30)}{(-1 + 2 x)^3 (x - 1)^4}$$

Sequence: A342558
Score: 5.97507
Type of gen. func.: ogf

$$- (x^2 - x + 1) (x^{16} + x^{14} - 2 x^{12} - x^{11} + x^9 + x^8 - x^6 - 2 x^5 + x^3 + x^2 - 1) \Big/ (x - 1)^2$$

Sequence: A342558
Score: 6.34562
Type of gen. func.: ogf

$$- (x^2 - x + 1) (x^{16} + x^{14} - 2 x^{12} - x^{11} + x^9 + x^8 - x^6 - 2 x^5 + x^3 + x^2 - 1) \Big/ (x - 1)^2$$

Sequence: A342568
Score: 12.7172
Type of gen. func.: ogf

$$-\frac{3x^3-7x^2+x-1}{(x^2-4x+1)^2}$$

Sequence: A342568
Score: 14.6368
Type of gen. func.: ogf

$$-\frac{3x^3-7x^2+x-1}{(x^2-4x+1)^2}$$

Sequence: A342568
Score: 5.31335
Type of gen. func.: ogf

$-(303 f(x) - 214)$

$(f(x) x^4 - 8 f(x) x^3 + 18 f(x) x^2 + 3 x^3 - 8 f(x) x - 7 x^2 + f(x) + x - 1)$

Sequence: A342568
Score: 5.62137
Type of gen. func.: ogf

$\{-a(n + 4) + 8 a(n + 3) - 18 a(n + 2) + 8 a(n + 1) - a(n), a(0) = 1, a(1) = 7,$

$a(2) = 45, a(3) = 239\}$

Sequence: A342580
Score: 5.03417
Type of gen. func.: ogf

$$\frac{16 (24282 x^3 - 37805 x^2 + 14992 x - 2729)}{(x - 1) (15 x - 1) (3 x - 1) (31 x - 1) (7 x - 1)}$$

Sequence: A342580
Score: 5.39699
Type of gen. func.: ogf

$$\frac{16 (24282 x^3 - 37805 x^2 + 14992 x - 2729)}{(x - 1) (15 x - 1) (3 x - 1) (31 x - 1) (7 x - 1)}$$

Sequence: A342676
Score: 6.45527
Type of gen. func.: ogf

$$\frac{x^{18}}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A342676
Score: 6.96156
Type of gen. func.: ogf

$$\frac{x^{18}}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A342696
Score: 7.17222
Type of gen. func.: ogf

$$\frac{x^{12}}{(x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A342696
Score: 7.69383
Type of gen. func.: ogf

$$x^{12}$$

2 2 2 4 2 2

$$(x + 1) (x + 1) (x + x + 1) (x - x + 1) (x - x + 1) (x - 1)$$

Sequence: A342709
Score: 10.8084
Type of gen. func.: ogf

$$-\frac{x^2 + 16 x + 1}{(x - 1) (x^2 - 47 x + 1)}$$

Sequence: A342709
Score: 5.10156
Type of gen. func.: ogf

$$(3815451 f(x) - 134756)$$

$$(f(x) x^3 - 48 f(x) x^2 + 48 f(x) x + x^2 - f(x) + 16 x + 1)$$

Sequence: A342709
Score: 5.79723
Type of gen. func.: ogf

$\{a(n + 3) - 48 a(n + 2) + 48 a(n + 1) - a(n), a(0) = 1, a(1) = 64, a(2) = 3025\}$

Sequence: A342709
Score: 9.51784
Type of gen. func.: ogf

$$-\frac{x^2 + 16 x + 1}{(x - 1) (x^2 - 47 x + 1)}$$

Sequence: A342710
Score: 16.3482
Type of gen. func.: ogf

$$-\frac{3 (x - 1)}{x^2 - 7 x + 1}$$

Sequence: A342710
Score: 19.8829
Type of gen. func.: ogf

$$-\frac{3\,(x-1)}{x^2-7\,x+1}$$

Sequence: A342710
Score: 7.74387
Type of gen. func.: ogf

$$-(1645\,f(x)-1047)\,(f(x)\,x^2-7\,f(x)\,x+f(x)+3\,x-3)$$

Sequence: A342710
Score: 9.80891
Type of gen. func.: ogf

$$\{a(n+2)-7\,a(n+1)+a(n),\ a(0)=3,\ a(1)=18\}$$

Sequence: A342728
Score: 7.31141
Type of gen. func.: ogf

$$-\frac{x\,(15\,x^6-x^5-x^4-x^3-x^2-x-1)}{(x-1)\,(4\,x^3-1)\,(4\,x^3+1)}$$

Sequence: A342728
Score: 7.86321
Type of gen. func.: ogf

$$-\frac{x\,(15\,x^6-x^5-x^4-x^3-x^2-x-1)}{(x-1)\,(4\,x^3-1)\,(4\,x^3+1)}$$

Sequence: A342737
Score: 14.5061
Type of gen. func.: ogf

$$-\frac{x^4 - 6x^3 + 16x^2 - 24x + 19}{(x-1)^5}$$

Sequence: A342737
Score: 16.5784
Type of gen. func.: ogf

$$-\frac{x^4 - 6x^3 + 16x^2 - 24x + 19}{(x-1)^5}$$

Sequence: A342737
Score: 5.33559
Type of gen. func.: ogf

{a(n + 5) - 5 a(n + 4) + 10 a(n + 3) - 10 a(n + 2) + 5 a(n + 1) - a(n),

a(0) = 19, a(1) = 71, a(2) = 181, a(3) = 379, a(4) = 701}

Sequence: A342759
Score: 4.68271
Type of gen. func.: ogf

$$-\frac{4x^8 - 3x^7 - 2x^6 + 2x^5 + 2x^4 + x^3 - 3x^2 - x + 1}{(x-1)(-1+2x)(2x^2-1)}$$

Sequence: A342759
Score: 5.01423
Type of gen. func.: ogf

$$-\frac{4x^8 - 3x^7 - 2x^6 + 2x^5 + 2x^4 + x^3 - 3x^2 - x + 1}{(x-1)(-1+2x)(2x^2-1)}$$

Sequence: A342761
Score: 4.76805
Type of gen. func.: ogf

$$\{a(n + 5) - 3 a(n + 4) + 6 a(n + 2) - 4 a(n + 1), a(0) = 4, a(1) = 7, a(2) = 10, a(3) = 15, a(4) = 25\}$$

Sequence: A342761
Score: 5.05923
Type of gen. func.: ogf

$$(10 f(x) - 213) (4 f(x) x^4 - 6 f(x) x^3 + 6 x^4 + 9 x^3 + 3 f(x) x - 11 x^2 - f(x) - 5 x + 4)$$

Sequence: A342761
Score: 7.36399
Type of gen. func.: ogf

$$- \frac{6 x^4 + 9 x^3 - 11 x^2 - 5 x + 4}{(x - 1) (-1 + 2 x) (2 x^2 - 1)}$$

Sequence: A342761
Score: 8.08243
Type of gen. func.: ogf

$$- \frac{6 x^4 + 9 x^3 - 11 x^2 - 5 x + 4}{(x - 1) (-1 + 2 x) (2 x^2 - 1)}$$

Sequence: A342762
Score: 3.29584
Type of gen. func.: ogf

$$- \frac{(x + 1) (4 x^7 - 7 x^6 + 5 x^5 - 3 x^4 + 3 x^3 + x^2 - 3 x + 1)}{(x - 1) (-1 + 2 x) (2 x^2 - 1)}$$

Sequence: A342762
Score: 3.52119
Type of gen. func.: ogf

$$-\frac{(x+1)(4x^{7}-7x^{6}+5x^{5}-3x^{4}+3x^{3}+x^{2}-3x+1)}{(x-1)(-1+2x)(2x^{2}-1)}$$

Sequence: A342763
Score: 6.65483
Type of gen. func.: ogf

$$-\frac{6x^{8}-5x^{7}-4x^{6}+x^{5}+5x^{4}+2x^{3}-4x^{2}-x+1}{(x-1)(-1+2x)(2x^{2}-1)}$$

Sequence: A342763
Score: 7.12597
Type of gen. func.: ogf

$$-\frac{6x^{8}-5x^{7}-4x^{6}+x^{5}+5x^{4}+2x^{3}-4x^{2}-x+1}{(x-1)(-1+2x)(2x^{2}-1)}$$

Sequence: A342764
Score: 5.20097
Type of gen. func.: ogf

$$-\frac{4x^{8}-3x^{7}-2x^{3}+2x^{2}+x-1}{(2x^{5}-2x^{3}-3x^{2}+1)(x-1)^{2}}$$

Sequence: A342764
Score: 5.64837
Type of gen. func.: ogf

$$-\frac{4x^{8}-3x^{7}-2x^{3}+2x^{2}+x-1}{}$$

$$(2 x^5 - 2 x^3 - 3 x^2 + 1) (x - 1)^2$$

Sequence: A342850
Score: 12.8966
Type of gen. func.: ogf

$$- \frac{54 (7 x - 3)}{(7 x - 1) (3 x - 1)}$$

Sequence: A342850
Score: 15.3531
Type of gen. func.: ogf

$$- \frac{54 (7 x - 3)}{(7 x - 1) (3 x - 1)}$$

Sequence: A342850
Score: 6.78771
Type of gen. func.: ogf

$$(52 f(x) + 5859) (21 f(x) x^2 - 10 f(x) x + f(x) + 378 x - 162)$$

Sequence: A342850
Score: 7.96089
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - 21 a(n), a(0) = 162, a(1) = 1242\}$$

Sequence: A342851
Score: 6.1235
Type of gen. func.: ogf

$$\frac{x (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A342851
Score: 6.46134
Type of gen. func.: ogf

$$\frac{x (x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A342856
Score: 10.7191
Type of gen. func.: egf]

$$- \frac{5 x^4 - 20 x^3 + 30 x^2 - 20 x - 1}{(x - 1)^4}$$

Sequence: A342856
Score: 12.2504
Type of gen. func.: egf]

$$- \frac{5 x^4 - 20 x^3 + 30 x^2 - 20 x - 1}{(x - 1)^4}$$

Sequence: A342856
Score: 3.74876
Type of gen. func.: ogf

$$\{a(n + 1) n^2 + 20 a(n) n^2 - a(n + 2) n - 13 a(n + 1) n + 80 a(n) n - 2 a(n + 2)$$
$$+ 10 a(n + 1), a(0) = 1, a(1) = 24\}$$

Sequence: A342856
Score: 4.48381
Type of gen. func.: egf]

$$-(f(x) + 11) (f(x) x^4 - 4 f(x) x^3 + 5 x^4 + 6 f(x) x^2 - 20 x^3 - 4 f(x) x + 30 x^2$$
$$+ f(x) - 20 x - 1)$$

Sequence: A342872
Score: 3.92104
Type of gen. func.: ogf

$$-x\left(x^{2}+x+1\right)\left(2x^{30}+2x^{27}+2x^{24}-2x^{21}-x^{15}+x^{12}+x^{9}+x^{6}-x^{3}+1\right)\Big/\left(\left(x-1\right)\left(x^{2}+1\right)\left(x^{4}-x^{2}+1\right)\left(x^{12}-x^{6}+1\right)\right)$$

Sequence: A342872
Score: 4.08441
Type of gen. func.: ogf

$$-x\left(x^{2}+x+1\right)\left(2x^{30}+2x^{27}+2x^{24}-2x^{21}-x^{15}+x^{12}+x^{9}+x^{6}-x^{3}+1\right)\Big/\left(\left(x-1\right)\left(x^{2}+1\right)\left(x^{4}-x^{2}+1\right)\left(x^{12}-x^{6}+1\right)\right)$$

Sequence: A342873
Score: 10.91
Type of gen. func.: ogf

$$\frac{x\left(4x^{4}+3x^{3}+25x^{2}+9x+7\right)}{\left(x+1\right)^{3}\left(x-1\right)^{4}}$$

Sequence: A342873
Score: 12.2324
Type of gen. func.: ogf

$$\frac{x\left(4x^{4}+3x^{3}+25x^{2}+9x+7\right)}{\left(x+1\right)^{3}\left(x-1\right)^{4}}$$

Sequence: A342902
Score: 8.88921
Type of gen. func.: ogf

$$61x^{8}-61x^{7}+28x^{6}-28x^{5}+63x^{4}-30x^{3}+1446x^{2}-3207x+1729$$

```
    -----------------------------------------------------------------------
                                          2
                                   (x - 1)
```

Sequence: A342902
Score: 9.62998
Type of gen. func.: ogf

$$\frac{61 x^8 - 61 x^7 + 28 x^6 - 28 x^5 + 63 x^4 - 30 x^3 + 1446 x^2 - 3207 x + 1729}{(x - 1)^2}$$

Sequence: A342903
Score: 15.0822
Type of gen. func.: ogf

$$\frac{9 x^4 - 9 x^3 + 24 x^2 - 73 x + 50}{(x - 1)^2}$$

Sequence: A342903
Score: 17.4025
Type of gen. func.: ogf

$$\frac{9 x^4 - 9 x^3 + 24 x^2 - 73 x + 50}{(x - 1)^2}$$

Sequence: A342903
Score: 7.29782
Type of gen. func.: ogf

$$-(3398 f(x) + 431243)$$

$$(-9 x^4 + f(x) x^2 + 9 x^3 - 2 f(x) x - 24 x^2 + f(x) + 73 x - 50)$$

Sequence: A342903
Score: 7.35715
Type of gen. func.: ogf

```
{-a(n + 5) + 2 a(n + 4) - a(n + 3), a(0) = 50, a(1) = 27, a(2) = 28, a(3) = 20,

    a(4) = 21}
```

Sequence: A342906
Score: 4.78367
Type of gen. func.: ogf

```
{-a(n + 3) n + 8 a(n + 2) n - 16 a(n + 1) n - 5 a(n + 3) + 30 a(n + 2)

     - 40 a(n + 1), a(0) = 0, a(1) = 2, a(2) = 11}
```

Sequence: A342906
Score: 5.85414
Type of gen. func.: ogf

```
        2  4         2  3       2  2            3            2
-16 f(x)  x  + 8 f(x)  x  - f(x)  x  + 24 f(x) x  - 30 f(x) x  + 10 f(x) x

          2
     - 9 x  - f(x) + 2 x
```

Sequence: A342906
Score: 9.00153
Type of gen. func.: ogf

```
                                   (3/2)        2
                 -1/2 I ((-1 + 4 x)      + 6 I x  - 6 I x + I)
                 ---------------------------------------------
                                                2
                                 (-1 + 4 x) x
```

Sequence: A342912
Score: 4.64482
Type of gen. func.: ogf

```
{-a(n + 3) n + 2 a(n + 2) n + 3 a(n + 1) n - 6 a(n + 3) + 8 a(n + 2)

     + 12 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 3}
```

Sequence: A342912
Score: 7.23922
Type of gen. func.: ogf

```
                           1/2              1/2            1/2
```

$$\frac{(3 x - 1) \quad I - 2 (x + 1) \quad x + (x + 1)}{2 (x + 1)^{1/2} x^3}$$

Sequence: A342912
Score: 8.45845
Type of gen. func.: ogf

$$-f(x)^2 x^4 - f(x)^2 x^3 - 2 f(x) x^2 - f(x) x + f(x) - 1$$

Sequence: A342914
Score: 18.888
Type of gen. func.: ogf

$$-\frac{3 x^2 + 9 x + 1}{(x - 1)^3}$$

Sequence: A342914
Score: 22.9718
Type of gen. func.: ogf

$$-\frac{3 x^2 + 9 x + 1}{(x - 1)^3}$$

Sequence: A342914
Score: 7.20304
Type of gen. func.: ogf

$$(9971 f(x) - 55331) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) + 9 x + 1)$$

Sequence: A342914
Score: 8.01848
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 1, a(1) = 12, a(2) = 36\}$$

Sequence: A342938
Score: 3.92633
Type of gen. func.: ogf

$$-(x^{16}-2x^{15}+x^{13}-2x^{12}+x^{11}-2x^{10}+2x^{9}-x^{8}+x^{7}-x^{3}-x^{2}+x-1)\Big/\left((x^{4}+1)(x^{2}+x+1)(x^{2}-x+1)(x^{8}-x^{4}+1)(x-1)^{2}\right)$$

Sequence: A342938
Score: 4.08107
Type of gen. func.: ogf

$$-(x^{16}-2x^{15}+x^{13}-2x^{12}+x^{11}-2x^{10}+2x^{9}-x^{8}+x^{7}-x^{3}-x^{2}+x-1)\Big/\left((x^{4}+1)(x^{2}+x+1)(x^{2}-x+1)(x^{8}-x^{4}+1)(x-1)^{2}\right)$$

Sequence: A342939
Score: 13.255
Type of gen. func.: ogf

$$\frac{x^{5}-3x^{4}+3x^{3}-2x^{2}+x-1}{(x-1)^{3}}$$

Sequence: A342939
Score: 15.1154
Type of gen. func.: ogf

$$\frac{x^{5}-3x^{4}+3x^{3}-2x^{2}+x-1}{(x-1)^{3}}$$

Sequence: A342939
Score: 5.74384
Type of gen. func.: ogf

{a(n + 6) - 3 a(n + 5) + 3 a(n + 4) - a(n + 3), a(0) = 1, a(1) = 2, a(2) = 5,

$a(3) = 7, a(4) = 11, a(5) = 16\}$

Sequence: A342983
Score: 10.3273
Type of gen. func.: ogf

$$\mathrm{hypergeom}([1/4, 1/2, 3/4], [2, 2], 256 x)$$

Sequence: A342983
Score: 2.62634
Type of gen. func.: ogf

$$\{-a(n + 2) n^3 + 256 a(n + 1) n^3 - 8 a(n + 2) n^2 + 1152 a(n + 1) n^2 - 21 a(n + 2) n + 1712 a(n + 1) n - 18 a(n + 2) + 840 a(n + 1), a(0) = 1, a(1) = 6\}$$

Sequence: A342994
Score: 12.1037
Type of gen. func.: ogf

$$\frac{660}{(1000 x - 1) (x - 1)}$$

Sequence: A342994
Score: 14.9516
Type of gen. func.: ogf

$$\frac{660}{(1000 x - 1) (x - 1)}$$

Sequence: A342994
Score: 4.49871
Type of gen. func.: ogf

$$(1001001001001 f(x) + 1983301980000) (1000 f(x) x^2 - 1001 f(x) x + f(x) - 660)$$

Sequence: A342994
Score: 5.84315
Type of gen. func.: ogf

$$\{-a(n + 2) + 1001 a(n + 1) - 1000 a(n), a(0) = 660, a(1) = 660660\}$$

Sequence: A343007
Score: 14.6019
Type of gen. func.: ogf

$$-\frac{x^3 + x + 6}{(x + 1) (x - 1)^3}$$

Sequence: A343007
Score: 16.9859
Type of gen. func.: ogf

$$-\frac{x^3 + x + 6}{(x + 1) (x - 1)^3}$$

Sequence: A343007
Score: 6.99419
Type of gen. func.: ogf

$$\{-a(n + 4) + 2 a(n + 3) - 2 a(n + 1) + a(n), a(0) = 6, a(1) = 13, a(2) = 26, a(3) = 41\}$$

Sequence: A343007
Score: 7.17507
Type of gen. func.: ogf

$$(952 f(x) - 5951) (f(x) x^4 - 2 f(x) x^3 + x^3 + 2 f(x) x - f(x) + x + 6)$$

Sequence: A343008
Score: 11.6662
Type of gen. func.: ogf

$$\frac{7 x^2 - 29 x + 28}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A343008
Score: 13.3631
Type of gen. func.: ogf

$$\frac{7 x^2 - 29 x + 28}{(x + 1) (x^2 - 3 x + 1)}$$

Sequence: A343008
Score: 5.87977
Type of gen. func.: ogf

$(5089993 f(x) - 4771609)$

$$(f(x) x^3 - 2 f(x) x^2 - 2 f(x) x - 7 x^2 + f(x) + 29 x - 28)$$

Sequence: A343008
Score: 6.80529
Type of gen. func.: ogf

$\{a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 28, a(1) = 27, a(2) = 117\}$

Sequence: A343010
Score: 10.2206
Type of gen. func.: ogf

$$\frac{x (x + 1)^3}{(x^2 + 1) (x^2 + 4 x - 1) (x^2 - 4 x - 1)}$$

Sequence: A343010
Score: 5.14555
Type of gen. func.: ogf

{-a(n + 6) + 17 a(n + 4) + 17 a(n + 2) - a(n), a(0) = 0, a(1) = 1, a(2) = 3,

a(3) = 20, a(4) = 52, a(5) = 357}

Sequence: A343010
Score: 9.21116
Type of gen. func.: ogf

$$\frac{x (x + 1)^3}{(x^2 + 1) (x^2 + 4 x - 1) (x^2 - 4 x - 1)}$$

Sequence: A343028
Score: 17.0409
Type of gen. func.: ogf

$$\frac{x (4 x^2 + 4 x + 3)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A343028
Score: 19.4326
Type of gen. func.: ogf

$$\frac{x (4 x^2 + 4 x + 3)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A343028
Score: 8.93271
Type of gen. func.: ogf

$$-(1562 f(x) - 695) (f(x) x^4 - f(x) x^3 - 4 x^3 - f(x) x - 4 x^2 + f(x) - 3 x)$$

Sequence: A343028
Score: 9.54876
Type of gen. func.: ogf

{a(n + 4) - a(n + 3) - a(n + 1) + a(n), a(0) = 0, a(1) = 3, a(2) = 7, a(3) = 11

}

Sequence: A343034
Score: 10.9749
Type of gen. func.: ogf

$$-\frac{7 x^3 + 19 x^2 - 13 x - 1}{(x^2 + 6 x - 1) (x^2 - 6 x - 1)}$$

Sequence: A343034
Score: 7.22032
Type of gen. func.: ogf

$$(485760 f(x) + 289183) (f(x) x^4 - 38 f(x) x^2 + 7 x^3 + 19 x^2 + f(x) - 13 x - 1)$$

Sequence: A343034
Score: 7.99142
Type of gen. func.: ogf

$$\{a(n + 4) - 38 a(n + 2) + a(n), a(0) = 1, a(1) = 13, a(2) = 19, a(3) = 487\}$$

Sequence: A343034
Score: 9.91706
Type of gen. func.: ogf

$$-\frac{7 x^3 + 19 x^2 - 13 x - 1}{(x^2 + 6 x - 1) (x^2 - 6 x - 1)}$$

Sequence: A343048
Score: 8.99796
Type of gen. func.: ogf

$$\frac{x (27720 x^{35} + 2100 x^{23} + 180 x^{13} + 24 x^7 + 4 x^3 + x + 1)}{(x - 1)^2}$$

Sequence: A343077
Score: 8.67434
Type of gen. func.: ogf

$$\frac{15 x^{15} - 15 x^{14} + 2415 x^{3} + 635313570 x^{2} - 1270634641 x + 635318657}{(x - 1)^{2}}$$

Sequence: A343077
Score: 9.45405
Type of gen. func.: ogf

$$\frac{15 x^{15} - 15 x^{14} + 2415 x^{3} + 635313570 x^{2} - 1270634641 x + 635318657}{(x - 1)^{2}}$$

Sequence: A343080
Score: 14.834
Type of gen. func.: ogf

$$\frac{27 x^{3} + 245 x^{2} - 596 x + 325}{(x - 1)^{2}}$$

Sequence: A343080
Score: 17.3063
Type of gen. func.: ogf

$$\frac{27 x^{3} + 245 x^{2} - 596 x + 325}{(x - 1)^{2}}$$

Sequence: A343080
Score: 6.9807
Type of gen. func.: ogf

$$-(2597 f(x) + 88901) (f(x) x^{2} - 27 x^{3} - 2 f(x) x - 245 x^{2} + f(x) + 596 x - 325)$$

Sequence: A343080
Score: 7.48381
Type of gen. func.: ogf

$$\{-a(n+4) + 2\,a(n+3) - a(n+2),\ a(0) = 325,\ a(1) = 54,\ a(2) = 28,\ a(3) = 29\}$$

Sequence: A343081
Score: 7.14567
Type of gen. func.: ogf

$$(28 x^{13} - 28 x^{12} + 35 x^{9} - 7 x^{8} - 28 x^{7} + 546 x^{4} - 86 x^{3} + 3420 x^{2} - 8983 x + 5104) \Big/ (x - 1)^{2}$$

Sequence: A343081
Score: 7.67992
Type of gen. func.: ogf

$$(28 x^{13} - 28 x^{12} + 35 x^{9} - 7 x^{8} - 28 x^{7} + 546 x^{4} - 86 x^{3} + 3420 x^{2} - 8983 x + 5104) \Big/ (x - 1)^{2}$$

Sequence: A343082
Score: 6.65675
Type of gen. func.: ogf

$$(255 x^{15} - 255 x^{14} + 2160 x^{6} - 2160 x^{5} + 1550 x^{4} + 10804 x^{3} + 782607 x^{2} - 1606498 x + 811538) \Big/ (x - 1)^{2}$$

Sequence: A343082
Score: 7.11583
Type of gen. func.: ogf

$$(255 x^{15} - 255 x^{14} + 2160 x^{6} - 2160 x^{5} + 1550 x^{4} + 10804 x^{3} + 782607 x^{2} - 1606498 x + 811538) / (x - 1)^{2}$$

Sequence: A343084
Score: 8.95064
Type of gen. func.: ogf

$$\frac{6 x^{7} - 6 x^{6} + 18 x^{5} - 18 x^{4} + 78 x^{3} + 899 x^{2} - 2081 x + 1105}{(x - 1)^{2}}$$

Sequence: A343084
Score: 9.80308
Type of gen. func.: ogf

$$\frac{6 x^{7} - 6 x^{6} + 18 x^{5} - 18 x^{4} + 78 x^{3} + 899 x^{2} - 2081 x + 1105}{(x - 1)^{2}}$$

Sequence: A343085
Score: 5.21771
Type of gen. func.: ogf

$$(35 x^{17} - 35 x^{16} + 21 x^{14} - 21 x^{13} + 7 x^{11} - 7 x^{10} + 33 x^{7} + 182 x^{6} - 58 x^{5} + 470 x^{4} + 101 x^{3} + 11190 x^{2} - 25813 x + 13896) / (x - 1)^{2}$$

Sequence: A343085
Score: 5.49414
Type of gen. func.: ogf

$$(35 x^{17} - 35 x^{16} + 21 x^{14} - 21 x^{13} + 7 x^{11} - 7 x^{10} + 33 x^{7} + 182 x^{6} - 58 x^{5} + 470 x^{4} + 101 x^{3} + 11190 x^{2} - 25813 x + 13896) / (x - 1)^{2}$$

Sequence: A343098
Score: 8.11109
Type of gen. func.: ogf

$$-\frac{x^{9}-x^{7}+x^{6}+6x^{5}+x^{4}-7x^{3}-2x^{2}+3x+1}{(x+1)^{4}(x-1)^{5}}$$

Sequence: A343098
Score: 8.78004
Type of gen. func.: ogf

$$-\frac{x^{9}-x^{7}+x^{6}+6x^{5}+x^{4}-7x^{3}-2x^{2}+3x+1}{(x+1)^{4}(x-1)^{5}}$$

Sequence: A343099
Score: 6.19574
Type of gen. func.: ogf

$$-(8x^{23}-8x^{22}+8x^{14}-8x^{13}+8x^{12}-8x^{11}+8x^{8}-8x^{7}+8x^{6}-8x^{5}+8x^{3}+8x^{2}+11x-35)\ /\ (x-1)^{2}$$

Sequence: A343099
Score: 6.56841
Type of gen. func.: ogf

$$-(8x^{23}-8x^{22}+8x^{14}-8x^{13}+8x^{12}-8x^{11}+8x^{8}-8x^{7}+8x^{6}-8x^{5}+8x^{3}+8x^{2}+11x-35)\ /\ (x-1)^{2}$$

Sequence: A343101
Score: 3.22861
Type of gen. func.: ogf

$$(2040x^{15}+360x^{14}+2318x^{13}-502x^{12}-7111x^{11}+155x^{10}+2753x^{9}-13x^{8}$$

$$+ 8 x^{3} + 8 x^{2} - 8 x - 2) \Big/ ((x - 1) (2 x + 1) (-1 + 2 x) (x + 1) (2 x^{2} - 1))$$

Sequence: A343101
Score: 3.37052
Type of gen. func.: ogf

$$(2040 x^{15} + 360 x^{14} + 2318 x^{13} - 502 x^{12} - 7111 x^{11} + 155 x^{10} + 2753 x^{9} - 13 x^{8} + 8 x^{3} + 8 x^{2} - 8 x - 2) \Big/ ((x - 1) (2 x + 1) (-1 + 2 x) (x + 1) (2 x^{2} - 1))$$

Sequence: A343118
Score: 18.863
Type of gen. func.: ogf

$$- \frac{x^{35} + x^{8} + x^{7} + x^{2} + 2}{x - 1}$$

Sequence: A343118
Score: 21.4648
Type of gen. func.: ogf

$$- \frac{x^{35} + x^{8} + x^{7} + x^{2} + 2}{x - 1}$$

Sequence: A343121
Score: 2.1484
Type of gen. func.: ogf

$$(f(x) x - f(x) + 2)^{2}$$

Sequence: A343122
Score: 20.6391
Type of gen. func.: ogf

$$-\frac{24 x^{35} + 4 x^{7} + x^{2} + 1}{x - 1}$$

Sequence: A343122
Score: 23.8766
Type of gen. func.: ogf

$$-\frac{24 x^{35} + 4 x^{7} + x^{2} + 1}{x - 1}$$

Sequence: A343124
Score: 6.82793
Type of gen. func.: ogf

$$\frac{x (4 x^{7} + 10 x^{6} + 22 x^{5} + 31 x^{4} + 27 x^{3} + 16 x^{2} + 9 x + 1)}{(x + 1)^{2} (x^{2} + x + 1)^{2} (x - 1)^{6}}$$

Sequence: A343124
Score: 7.30708
Type of gen. func.: ogf

$$\frac{x (4 x^{7} + 10 x^{6} + 22 x^{5} + 31 x^{4} + 27 x^{3} + 16 x^{2} + 9 x + 1)}{(x + 1)^{2} (x^{2} + x + 1)^{2} (x - 1)^{6}}$$

Sequence: A343169
Score: 6.41625
Type of gen. func.: lgdogf

$$\frac{11 x^{10} + 5 x^{4} + 20 x^{3} + 44 x + 29}{x^{11} + x^{5} + 5 x^{4} + 22 x^{2} + 29 x + 228}$$

Sequence: A343175
Score: 10.6152
Type of gen. func.: ogf

$$-\frac{4 x^3 + 6 x^2 - 9 x + 2}{(x - 1) (-1 + 2 x) (-1 + 4 x)}$$

Sequence: A343175
Score: 11.8459
Type of gen. func.: ogf

$$-\frac{4 x^3 + 6 x^2 - 9 x + 2}{(x - 1) (-1 + 2 x) (-1 + 4 x)}$$

Sequence: A343175
Score: 6.43596
Type of gen. func.: ogf

$$\{-a(n + 4) + 7 a(n + 3) - 14 a(n + 2) + 8 a(n + 1), a(0) = 2, a(1) = 5, a(2) = 13, a(3) = 41\}$$

Sequence: A343175
Score: 6.53894
Type of gen. func.: ogf

$$-(f(x) + 46) (8 f(x) x^3 - 14 f(x) x^2 + 4 x^3 + 7 f(x) x + 6 x^2 - f(x) - 9 x + 2)$$

Sequence: A343176
Score: 10.4572
Type of gen. func.: ogf

$$-\frac{(4 x - 3) (x^2 + 3 x - 1)}{(x - 1) (-1 + 2 x) (-1 + 4 x)}$$

Sequence: A343176
Score: 11.6032

Type of gen. func.: ogf

$$-\frac{(4x-3)(x^2+3x-1)}{(x-1)(-1+2x)(-1+4x)}$$

Sequence: A343176
Score: 6.51562
Type of gen. func.: ogf

$-(486 f(x) + 5879)$

$(8 f(x) x^3 - 14 f(x) x^2 + 4 x^3 + 7 f(x) x + 9 x^2 - f(x) - 13 x + 3)$

Sequence: A343176
Score: 6.66953
Type of gen. func.: ogf

$\{-a(n + 4) + 7 a(n + 3) - 14 a(n + 2) + 8 a(n + 1), a(0) = 3, a(1) = 8,$

$a(2) = 23, a(3) = 77\}$

Sequence: A343177
Score: 12.3946
Type of gen. func.: ogf

$$-\frac{2x^3+7x^2-2x-4}{(x-1)(2x^2-1)}$$

Sequence: A343177
Score: 14.0201
Type of gen. func.: ogf

$$-\frac{2x^3+7x^2-2x-4}{(x-1)(2x^2-1)}$$

Sequence: A343177
Score: 6.78751

Type of gen. func.: ogf

$$-(14 f(x) - 201) (2 f(x) x^3 - 2 f(x) x^2 + 2 x^3 - f(x) x + 7 x^2 + f(x) - 2 x - 4)$$

Sequence: A343177
Score: 6.89699
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 3) + 2 a(n + 2) - 2 a(n + 1), a(0) = 4, a(1) = 6, a(2) = 7, a(3) = 9\}$$

Sequence: A343200
Score: 12.4331
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{(x + 2) (x^2 + 2 x + 2)}{(x - 1)^4 (x + 1)^4}$$

Sequence: A343273
Score: 5.14847
Type of gen. func.: ogf

$$-\frac{33 x^6 - 360 x^5 + 3602 x^3 - 3265 x^2 - 358 x + 308}{(x - 1) (x^2 - 10 x + 1) (x^4 - 10 x^2 + 1)}$$

Sequence: A343273
Score: 5.49171
Type of gen. func.: ogf

$$-\frac{33 x^6 - 360 x^5 + 3602 x^3 - 3265 x^2 - 358 x + 308}{(x - 1) (x^2 - 10 x + 1) (x^4 - 10 x^2 + 1)}$$

Sequence: A343276

Score: 12.6674
Type of gen. func.: lgdegf]

$$\frac{x^2 - 2 x - 5}{(x - 1) (x + 1)}$$

Sequence: A343276
Score: 3.15277
Type of gen. func.: ogf

$$\{-a(n + 2) n^2 + a(n + 1) n^2 + a(n + 3) n - 8 a(n + 2) n + 6 a(n + 1) n + 2 a(n + 3) - 17 a(n + 2) + 8 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 10\}$$

Sequence: A343280
Score: 3.95981
Type of gen. func.: ogf

$$- \frac{4 x^7 + 3 x^6 + 2 x^4 + 5 x^3 + 6 x + 7}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A343280
Score: 4.26151
Type of gen. func.: ogf

$$- \frac{4 x^7 + 3 x^6 + 2 x^4 + 5 x^3 + 6 x + 7}{(x - 1) (x^2 + x + 1) (x^6 + x^3 + 1)}$$

Sequence: A343291
Score: 12.5336
Type of gen. func.: ogf

$$- \frac{x^3 - 5 x^2 + 4 x - 1}{(-1 + 2 x)^2 (x - 1)^2}$$

Sequence: A343291
Score: 14.2927
Type of gen. func.: ogf

$$-\frac{x^3 - 5x^2 + 4x - 1}{(-1 + 2x)^2 (x - 1)^2}$$

Sequence: A343291
Score: 5.69711
Type of gen. func.: ogf

$$-(4 f(x) + 3) \left(4 f(x) x^4 - 12 f(x) x^3 + 13 f(x) x^2 + x^3 - 6 f(x) x - 5 x^2 + f(x) + 4 x - 1\right)$$

Sequence: A343291
Score: 5.99034
Type of gen. func.: ogf

$$\{-a(n + 4) + 6 a(n + 3) - 13 a(n + 2) + 12 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 9\}$$

Sequence: A343304
Score: 13.3779
Type of gen. func.: ogf

$$f(x)^2 x^4 + f(x) x^3 + x^2 - f(x) + x + 1$$

Sequence: A343305
Score: 9.55102
Type of gen. func.: ogf

$$f(x) (f(x)^2 x^5 + f(x) x^4 + x^3 + x^2 - f(x) + x + 1)$$

Sequence: A343314
Score: 4.77262

Type of gen. func.: ogf

$$x^2 (x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^5 + x^4 + 5 x^3 + x^2 + x + 1) / (x^7 + x^6 + 5 x^5 + x^4 + x^3 + x^2 - 1)$$

Sequence: A343314
Score: 4.99854
Type of gen. func.: ogf

$$x^2 (x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^5 + x^4 + 5 x^3 + x^2 + x + 1) / (x^7 + x^6 + 5 x^5 + x^4 + x^3 + x^2 - 1)$$

Sequence: A343315
Score: 4.71009
Type of gen. func.: ogf

$$x^2 (x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^5 + 2 x^4 + 4 x^3 + x^2 + x + 1) / (x^7 + 2 x^6 + 4 x^5 + x^4 + x^3 + x^2 - 1)$$

Sequence: A343315
Score: 4.93306
Type of gen. func.: ogf

$$x^2 (x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1) (x^5 + 2 x^4 + 4 x^3 + x^2 + x + 1) / (x^7 + 2 x^6 + 4 x^5 + x^4 + x^3 + x^2 - 1)$$

Sequence: A343318
Score: 4.65541
Type of gen. func.: ogf

$$-(1766597 f(x) + 17696807) (64 f(x) x^4 - 120 f(x) x^3 + 70 f(x) x^2 + 216 x^3$$

2

$- 15 f(x) x - 280 x + f(x) + 93 x - 8)$

Sequence: A343318
Score: 5.302
Type of gen. func.: ogf

$\{-a(n + 4) + 15 a(n + 3) - 70 a(n + 2) + 120 a(n + 1) - 64 a(n), a(0) = 8,$

$a(1) = 27, a(2) = 125, a(3) = 729\}$

Sequence: A343318
Score: 8.12221
Type of gen. func.: ogf

$$-\frac{216 x^{3} - 280 x^{2} + 93 x - 8}{(x - 1) (8 x - 1) (-1 + 2 x) (-1 + 4 x)}$$

Sequence: A343318
Score: 8.87776
Type of gen. func.: ogf

$$-\frac{216 x^{3} - 280 x^{2} + 93 x - 8}{(x - 1) (8 x - 1) (-1 + 2 x) (-1 + 4 x)}$$

Sequence: A343328
Score: 7.28632
Type of gen. func.: ogf

$$-\frac{x (x - 1) (12 x^{8} - 21 x^{7} - 21 x^{6} - 2 x^{4} + 3 x^{2} + 4 x + 2)}{x^{3} - 2 x^{2} - x + 1}$$

Sequence: A343328
Score: 7.8468
Type of gen. func.: ogf

$$-\frac{x (x - 1) (12 x^{8} - 21 x^{7} - 21 x^{6} - 2 x^{4} + 3 x^{2} + 4 x + 2)}{{}^{3} \qquad {}^{2}}$$

$$x - 2 x - x + 1$$

Sequence: A343331
Score: 14.4436
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x - 1}{(10 x - 1) (10 x^2 - 1)}$$

Sequence: A343349
Score: 30.7564
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{1}{-1 + 4 x}$$

Sequence: A343350
Score: 31.4162
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{1}{5 x - 1}$$

Sequence: A343351
Score: 31.0178
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{1}{6 x - 1}$$

Sequence: A343352
Score: 33.0518
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{1}{7 x - 1}$$

Sequence: A343353
Score: 31.4804
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{1}{8x-1}$$

Sequence: A343354
Score: 29.4267
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{1}{9x-1}$$

Sequence: A343355
Score: 30.5538
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{1}{10x-1}$$

Sequence: A343360
Score: 15.7564
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x-1}{(3x-1)(3x^2-1)}$$

Sequence: A343361
Score: 13.7236
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x-1}{(2x+1)(-1+2x)(-1+4x)}$$

Sequence: A343362
Score: 14.819
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x-1}{(5x-1)(5x^2-1)}$$

Sequence: A343363
Score: 14.631
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x-1}{(6x-1)(6x^2-1)}$$

Sequence: A343364
Score: 15.5905
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x-1}{(7x-1)(7x^2-1)}$$

Sequence: A343365
Score: 14.8492
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x-1}{(8x-1)(8x^2-1)}$$

Sequence: A343366
Score: 13.313
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x-1}{(3x-1)(3x+1)(9x-1)}$$

Sequence: A343372
Score: 3.64853
Type of gen. func.: ogf

$(1625909372 f(x) + 12091347961)$

$$(21 f(x) x^3 - 31 f(x) x^2 + 11 f(x) x + 210 x^2 - f(x) - 310 x + 112)$$

Sequence: A343372
Score: 4.44864
Type of gen. func.: ogf

$\{a(n + 3) - 11 a(n + 2) + 31 a(n + 1) - 21 a(n), a(0) = 112, a(1) = 922,$

$a(2) = 6880\}$

Sequence: A343372
Score: 6.85331
Type of gen. func.: ogf

$$-\frac{2 (105 x^2 - 155 x + 56)}{(x - 1) (3 x - 1) (7 x - 1)}$$

Sequence: A343372
Score: 7.68402
Type of gen. func.: ogf

$$-\frac{2 (105 x^2 - 155 x + 56)}{(x - 1) (3 x - 1) (7 x - 1)}$$

Sequence: A343373
Score: 2.98543
Type of gen. func.: ogf

$\{-a(n + 4) + 26 a(n + 3) - 196 a(n + 2) + 486 a(n + 1) - 315 a(n), a(0) = 3112,$

$a(1) = 58984, a(2) = 978064, a(3) = 15345952\}$

Sequence: A343373
Score: 4.7294
Type of gen. func.: ogf

$$-\frac{8 (4410 x^3 - 6804 x^2 + 2741 x - 389)}{(x - 1) (15 x - 1) (3 x - 1) (7 x - 1)}$$

Sequence: A343373
Score: 5.13623
Type of gen. func.: ogf

$$-\frac{8\,(4410\,x^3 - 6804\,x^2 + 2741\,x - 389)}{(x - 1)\,(15\,x - 1)\,(3\,x - 1)\,(7\,x - 1)}$$

Sequence: A343374
Score: 4.98438
Type of gen. func.: ogf

$$-\frac{2\,(4501665\,x^4 - 7090641\,x^3 + 3025391\,x^2 - 458347\,x + 29492)}{(x - 1)\,(15\,x - 1)\,(3\,x - 1)\,(31\,x - 1)\,(7\,x - 1)}$$

Sequence: A343374
Score: 5.29111
Type of gen. func.: ogf

$$-\frac{2\,(4501665\,x^4 - 7090641\,x^3 + 3025391\,x^2 - 458347\,x + 29492)}{(x - 1)\,(15\,x - 1)\,(3\,x - 1)\,(31\,x - 1)\,(7\,x - 1)}$$

Sequence: A343445
Score: 14.1661
Type of gen. func.: egf]

$$2\,x + f(x) - f(x)^3$$

Sequence: A343461
Score: 16.132
Type of gen. func.: ogf

$$\frac{x^4 + x^2 + 2\,x - 6}{x - 1}$$

Sequence: A343461
Score: 19.2797
Type of gen. func.: ogf

$$\frac{x^4 + x^2 + 2 x - 6}{x - 1}$$

Sequence: A343461
Score: 7.90466
Type of gen. func.: ogf

$$\{-a(n + 5) + a(n + 4), a(0) = 6, a(1) = 4, a(2) = 3, a(3) = 3, a(4) = 2\}$$

Sequence: A343461
Score: 9.41031
Type of gen. func.: ogf

$$(5 f(x) - 84) (-x^4 + f(x) x - x^2 - f(x) - 2 x + 6)$$

Sequence: A343462
Score: 4.59755
Type of gen. func.: ogf

$$-\frac{8 x^9 - 7 x^8 - 63 x^7 + 45 x^6 + 162 x^5 - 81 x^4 - 150 x^3 + 30 x^2 + 36 x + 9}{x^9 - x^8 - 8 x^7 + 7 x^6 + 21 x^5 - 15 x^4 - 20 x^3 + 10 x^2 + 5 x - 1}$$

Sequence: A343462
Score: 4.81391
Type of gen. func.: ogf

$$-\frac{8 x^9 - 7 x^8 - 63 x^7 + 45 x^6 + 162 x^5 - 81 x^4 - 150 x^3 + 30 x^2 + 36 x + 9}{x^9 - x^8 - 8 x^7 + 7 x^6 + 21 x^5 - 15 x^4 - 20 x^3 + 10 x^2 + 5 x - 1}$$

Sequence: A343485
Score: 4.92208

Type of gen. func.: ogf

$$\frac{2 x (9 x^8 - 3 x^7 + 9 x^6 - 8 x^5 + 4 x^4 - 3 x^3 - x^2 - 1)}{(x - 1) (3 x - 1) (3 x^2 - 1) (3 x^2 + 1) (x^2 + 1)}$$

Sequence: A343485
Score: 5.19364
Type of gen. func.: ogf

$$\frac{2 x (9 x^8 - 3 x^7 + 9 x^6 - 8 x^5 + 4 x^4 - 3 x^3 - x^2 - 1)}{(x - 1) (3 x - 1) (3 x^2 - 1) (3 x^2 + 1) (x^2 + 1)}$$

Sequence: A343539
Score: 12.6111
Type of gen. func.: ogf

$$- \frac{(x - 1) (x^2 + 7 x + 1)}{(x^2 - 3 x + 1)^2}$$

Sequence: A343539
Score: 14.3811
Type of gen. func.: ogf

$$- \frac{(x - 1) (x^2 + 7 x + 1)}{(x^2 - 3 x + 1)^2}$$

Sequence: A343539
Score: 5.69252
Type of gen. func.: ogf

$(4240 f(x) - 2307)$

$$(f(x) x^4 - 6 f(x) x^3 + 11 f(x) x^2 + x^3 - 6 f(x) x + 6 x^2 + f(x) - 6 x - 1)$$

Sequence: A343539
Score: 5.89728
Type of gen. func.: ogf

$$\{-a(n+4) + 6\,a(n+3) - 11\,a(n+2) + 6\,a(n+1) - a(n),\ a(0) = 1,\ a(1) = 12,\ a(2) = 55,\ a(3) = 203\}$$

Sequence: A343543
Score: 14.4605
Type of gen. func.: ogf

$$\frac{x\,(3x^2 - 4x + 3)}{(x^2 - 3x + 1)^2}$$

Sequence: A343543
Score: 17.0313
Type of gen. func.: ogf

$$\frac{x\,(3x^2 - 4x + 3)}{(x^2 - 3x + 1)^2}$$

Sequence: A343543
Score: 5.63535
Type of gen. func.: ogf

$$\{-a(n+4) + 6\,a(n+3) - 11\,a(n+2) + 6\,a(n+1) - a(n),\ a(0) = 0,\ a(1) = 3,\ a(2) = 14,\ a(3) = 54\}$$

Sequence: A343543
Score: 5.71946
Type of gen. func.: ogf

$$(5 f(x) + 2)\,(f(x)\,x^4 - 6 f(x)\,x^3 + 11 f(x)\,x^2 - 3x^3 - 6 f(x)\,x + 4x^2 + f(x) - 3x)$$

Sequence: A343560
Score: 21.6267
Type of gen. func.: ogf

$$\frac{x\,(x-9)}{(x-1)^3}$$

Sequence: A343560
Score: 27.5926
Type of gen. func.: ogf

$$\frac{x\,(x-9)}{(x-1)^3}$$

Sequence: A343560
Score: 6.89816
Type of gen. func.: ogf

$$(46272\, f(x) - 269297)\,(f(x)\, x^3 - 3\, f(x)\, x^2 + 3\, f(x)\, x - x^2 - f(x) + 9\, x)$$

Sequence: A343560
Score: 7.6941
Type of gen. func.: ogf

$\{-a(n+3) + 3\, a(n+2) - 3\, a(n+1) + a(n),\ a(0) = 0,\ a(1) = 9,\ a(2) = 26\}$

Sequence: A343561
Score: 22.1817
Type of gen. func.: ogf

$$-\frac{(3\,x-2)^2}{(-1+2\,x)^3}$$

Sequence: A343561
Score: 28.3008
Type of gen. func.: ogf

$$-\frac{(3x-2)^2}{(-1+2x)^3}$$

Sequence: A343561
Score: 6.95528
Type of gen. func.: ogf

$$(260 f(x) - 2579) (8 f(x) x^3 - 12 f(x) x^2 + 6 f(x) x + 9 x^2 - f(x) - 12 x + 4)$$

Sequence: A343561
Score: 7.67031
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 12 a(n + 1) - 8 a(n), a(0) = 4, a(1) = 12, a(2) = 33\}$$

Sequence: A343578
Score: 19.1331
Type of gen. func.: ogf

$$-\frac{2 (5 x^2 + 26 x + 1)}{(x-1)^3}$$

Sequence: A343578
Score: 23.1611
Type of gen. func.: ogf

$$-\frac{2 (5 x^2 + 26 x + 1)}{(x-1)^3}$$

Sequence: A343578
Score: 7.27373
Type of gen. func.: ogf

$$(4472 f(x) - 136699) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 10 x^2 - f(x) + 52 x + 2)$$

Sequence: A343578
Score: 8.22543
Type of gen. func.: ogf

{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2, a(1) = 58, a(2) = 178}

Sequence: A343582
Score: 20.5505
Type of gen. func.: lgdegf]

$$\frac{1 + 6 x}{2 x + 1}$$

Sequence: A343582
Score: 5.03278
Type of gen. func.: ogf

{2 a(n + 2) n - 6 a(n + 1) n + a(n + 3) + 3 a(n + 2) - 12 a(n + 1), a(0) = 1,

a(1) = 1, a(2) = 5}

Sequence: A343586
Score: 11.0938
Type of gen. func.: ogf

$$- \frac{5 (160 x - 7)}{(100 x - 1) (10 x - 1)}$$

Sequence: A343586
Score: 13.0232
Type of gen. func.: ogf

$$- \frac{5 (160 x - 7)}{(100 x - 1) (10 x - 1)}$$

Sequence: A343586
Score: 5.99066
Type of gen. func.: ogf

$$-(531 f(x) + 20) (1000 f(x) x^2 - 110 f(x) x + f(x) + 800 x - 35)$$

Sequence: A343586
Score: 7.21766
Type of gen. func.: ogf

$$\{a(n + 2) - 110 a(n + 1) + 1000 a(n), a(0) = 35, a(1) = 3050\}$$

Sequence: A343607
Score: 3.82055
Type of gen. func.: ogf

$$-\frac{x^2 (x + 1) (x^2 - x + 1) (x^{12} - x^9 + x^6 - x^3 + x + 1)}{x - 1}$$

Sequence: A343607
Score: 4.13243
Type of gen. func.: ogf

$$-\frac{x^2 (x + 1) (x^2 - x + 1) (x^{12} - x^9 + x^6 - x^3 + x + 1)}{x - 1}$$

Sequence: A343608
Score: 13.0471
Type of gen. func.: ogf

$$\frac{x^{11}}{(x^4 + x^3 + x^2 + x + 1)^2 (x - 1)^4}$$

Sequence: A343608
Score: 14.98
Type of gen. func.: ogf

```
                         11
                        x
             ---------------------------------
               4    3    2          2        4
```

$$(x + x + x + x + 1) (x - 1)$$

Sequence: A343609
Score: 12.4737
Type of gen. func.: ogf

$$\frac{x^{9}}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A343609
Score: 14.1096
Type of gen. func.: ogf

$$\frac{x^{9}}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A343643
Score: 5.40276
Type of gen. func.: ogf

$$\frac{x (x^{51} + x^{42} + x^{33} - x^{26} + x^{25} - x^{17} - x^{16} - x^{9} + 1)}{(x + 1) (x^{2} + 1) (x^{4} + 1) (x^{8} + 1) (x - 1)^{2}}$$

Sequence: A343643
Score: 5.67983
Type of gen. func.: ogf

$$\frac{x (x^{51} + x^{42} + x^{33} - x^{26} + x^{25} - x^{17} - x^{16} - x^{9} + 1)}{(x + 1) (x^{2} + 1) (x^{4} + 1) (x^{8} + 1) (x - 1)^{2}}$$

Sequence: A343664
Score: 23.8948
Type of gen. func.: lgdegf]

$$-\frac{x^3}{6} + \exp(x)$$

Sequence: A343689
Score: 6.13222
Type of gen. func.: ogf

$\{-4 a(n + 2) n + a(n + 3) - 14 a(n + 2) - a(n + 1), a(0) = 0, a(1) = 1, a(2) = 10\}$

Sequence: A343773
Score: 13.2408
Type of gen. func.: ogf

$$f(x)^2 x^2 - f(x) x + f(x) - 1$$

Sequence: A343773
Score: 19.5302
Type of gen. func.: revogf

$$-\frac{x}{x^2 - x - 1}$$

Sequence: A343773
Score: 4.5419
Type of gen. func.: ogf

$\{a(n + 3) n - 2 a(n + 2) n + 5 a(n + 1) n + 5 a(n + 3) - 7 a(n + 2) + 10 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 0\}$

Sequence: A343808
Score: 12.2509
Type of gen. func.: ogf

$$-\frac{3 x (9 x^2 + 12 x + 1)}{(x - 1) (3 x - 1)^4}$$

Sequence: A343808
Score: 14.0658
Type of gen. func.: ogf

$$-\frac{3 x (9 x^2 + 12 x + 1)}{(x - 1) (3 x - 1)^4}$$

Sequence: A343808
Score: 4.31565
Type of gen. func.: ogf

$$\{-a(n + 5) + 13 a(n + 4) - 66 a(n + 3) + 162 a(n + 2) - 189 a(n + 1) + 81 a(n),$$

$$a(0) = 0, a(1) = 3, a(2) = 75, a(3) = 804, a(4) = 5988\}$$

Sequence: A343832
Score: 5.10235
Type of gen. func.: lgdegf]

$$-(4 I x^2 + 8 x^2 (-1 + 4 x)^{1/2} - 5 I x + 3 (-1 + 4 x)^{1/2} x + I - (-1 + 4 x)^{1/2}) \Big/ (2 (-1 + 4 x)^{3/2} x^2)$$

Sequence: A343842
Score: 15.8674
Type of gen. func.: ogf

$$8 f(x)^2 x + f(x)^2 - 1$$

Sequence: A343842
Score: 25.5011
Type of gen. func.: lgdogf

$$-\frac{4}{8 x + 1}$$

Sequence: A343842
Score: 6.10283
Type of gen. func.: ogf

$\{a(n + 2) n + 8 a(n + 1) n + 2 a(n + 2) + 12 a(n + 1), a(0) = 1, a(1) = -4\}$

Sequence: A343884
Score: 14.417
Type of gen. func.: lgdegf]

$$-\frac{2 x^2 - 3 x + 3}{(x - 1)^3}$$

Sequence: A343885
Score: 13.3734
Type of gen. func.: ogf

$$-\frac{x^2 + 1}{x^4 + x^3 - x^2 + x - 1}$$

Sequence: A343885
Score: 15.2504
Type of gen. func.: ogf

$$-\frac{x^2 + 1}{x^4 + x^3 - x^2 + x - 1}$$

Sequence: A343885
Score: 6.48712
Type of gen. func.: ogf

$\{a(n + 4) - a(n + 3) + a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 1, a(2) = 1,$

$a(3) = 1\}$

Sequence: A343885
Score: 6.95419
Type of gen. func.: ogf

$$(3 f(x) - 2) (f(x) x^4 + f(x) x^3 - f(x) x^2 + f(x) x + x^2 - f(x) + 1)$$

Sequence: A343889
Score: 2.77259
Type of gen. func.: ogf

$$\frac{90 x^6 - 103 x^5 + 13 x^4 + 2}{(-1 + 2 x) (x - 1)}$$

Sequence: A343889
Score: 3.13621
Type of gen. func.: ogf

$$\frac{90 x^6 - 103 x^5 + 13 x^4 + 2}{(-1 + 2 x) (x - 1)}$$

Sequence: A343896
Score: 4.84731
Type of gen. func.: lgdegf]

$$(12 I x^2 - 8 x^2 (-1 + 4 x)^{1/2} - 7 I x + 5 (-1 + 4 x)^{1/2} x + I - (-1 + 4 x)^{1/2}) / (2 (-1 + 4 x)^{3/2} x^2)$$

Sequence: A343905
Score: 13.3288
Type of gen. func.: ogf

$$(f(x) - 1)^2$$

Sequence: A343916
Score: 5.47113

Type of gen. func.: ogf

$$(x^{15} - 3 x^{14} + 4 x^{13} - 3 x^{12} + 3 x^{10} - 5 x^{9} + 5 x^{8} - 4 x^{7} + 2 x^{6} - x^{5} - 3 x^{4} + 7 x^{3} - 7 x^{2} + 7 x - 4) / ((x^{2} + 1) (x - 1)^{3})$$

Sequence: A343916
Score: 5.76292
Type of gen. func.: ogf

$$(x^{15} - 3 x^{14} + 4 x^{13} - 3 x^{12} + 3 x^{10} - 5 x^{9} + 5 x^{8} - 4 x^{7} + 2 x^{6} - x^{5} - 3 x^{4} + 7 x^{3} - 7 x^{2} + 7 x - 4) / ((x^{2} + 1) (x - 1)^{3})$$

Sequence: A343941
Score: 5.68281
Type of gen. func.: ogf

$$- \frac{x^{2} (x^{12} - x^{11} - x^{10} + 2 x^{8} + x^{7} - 2 x^{6} - x^{5} + x^{4} + x^{3} - x + 1)}{(x + 1) (x^{2} + x + 1) (x - 1)^{3}}$$

Sequence: A343941
Score: 6.00755
Type of gen. func.: ogf

$$- \frac{x^{2} (x^{12} - x^{11} - x^{10} + 2 x^{8} + x^{7} - 2 x^{6} - x^{5} + x^{4} + x^{3} - x + 1)}{(x + 1) (x^{2} + x + 1) (x - 1)^{3}}$$

Sequence: A343947
Score: 12.9797
Type of gen. func.: ogf

$$\frac{x^{23} + x^{6} + x^{3} + x^{2} + 3 x - 9}{x - 1}$$

Sequence: A343947
Score: 14.77
Type of gen. func.: ogf

$$\frac{x^{23} + x^{6} + x^{3} + x^{2} + 3 x - 9}{x - 1}$$

Sequence: A343949
Score: 10.9417
Type of gen. func.: ogf

$$\frac{4 x^{5} - x^{3} + x^{2} - x - 1}{(x + 1) (2 x^{2} - 1) (x - 1)^{2}}$$

Sequence: A343949
Score: 4.52962
Type of gen. func.: ogf

{-a(n + 6) + a(n + 5) + 3 a(n + 4) - 3 a(n + 3) - 2 a(n + 2) + 2 a(n + 1),

a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 8, a(4) = 12, a(5) = 18}

Sequence: A343949
Score: 9.91187
Type of gen. func.: ogf

$$\frac{4 x^{5} - x^{3} + x^{2} - x - 1}{(x + 1) (2 x^{2} - 1) (x - 1)^{2}}$$

Sequence: A343994
Score: 15.4208
Type of gen. func.: ogf

$$- \frac{4 x^{4} - 14 x^{3} + 13 x^{2} + 3}{(x - 1)^{5}}$$

Sequence: A343994
Score: 17.8397
Type of gen. func.: ogf

$$-\frac{4 x^{4} - 14 x^{3} + 13 x^{2} + 3}{(x - 1)^{5}}$$

Sequence: A343994
Score: 5.28968
Type of gen. func.: ogf

{a(n + 5) - 5 a(n + 4) + 10 a(n + 3) - 10 a(n + 2) + 5 a(n + 1) - a(n),

a(0) = 3, a(1) = 15, a(2) = 58, a(3) = 156, a(4) = 339}

Sequence: A344004
Score: 14.1036
Type of gen. func.: ogf

$$\frac{x^{2}}{(x + 1) (x^{2} + x - 1) (x - 1)^{3}}$$

Sequence: A344004
Score: 16.4063
Type of gen. func.: ogf

$$\frac{x^{2}}{(x + 1) (x^{2} + x - 1) (x - 1)^{3}}$$

Sequence: A344004
Score: 4.16532
Type of gen. func.: ogf

{-a(n + 6) + 3 a(n + 5) - a(n + 4) - 4 a(n + 3) + 3 a(n + 2) + a(n + 1) - a(n),

a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 3, a(4) = 8, a(5) = 17}

Sequence: A344019
Score: 12.4561
Type of gen. func.: egf]

$$\frac{4 (9 x^5 - 27 x^4 + 32 x^3 - 24 x^2 + 15 x - 6)}{(x - 1)^3}$$

Sequence: A344019
Score: 13.9891
Type of gen. func.: egf]

$$\frac{4 (9 x^5 - 27 x^4 + 32 x^3 - 24 x^2 + 15 x - 6)}{(x - 1)^3}$$

Sequence: A344054
Score: 21.0854
Type of gen. func.: egf]

$$- \frac{x^2 (x^2 - x + 3)}{6 (x - 1)^3}$$

Sequence: A344054
Score: 24.8339
Type of gen. func.: egf]

$$- \frac{x^2 (x^2 - x + 3)}{6 (x - 1)^3}$$

Sequence: A344054
Score: 9.55151
Type of gen. func.: egf]

$$-f(x) (6 f(x) x^3 + x^4 - 18 f(x) x^2 - x^3 + 18 f(x) x + 3 x^2 - 6 f(x))$$

Sequence: A344055
Score: 2.96535
Type of gen. func.: ogf

$$\{a(n + 3) n^2 - 8 a(n + 2) n^2 + 12 a(n + 1) n^2 + 6 a(n + 3) n - 44 a(n + 2) n + 60 a(n + 1) n + 8 a(n + 3) - 60 a(n + 2) + 72 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 8\}$$

Sequence: A344055
Score: 6.54955
Type of gen. func.: ogf

$$12 f(x)^2 x^3 - 8 f(x)^2 x^2 + f(x)^2 x + 12 f(x) x^2 - 8 f(x) x + f(x) - x$$

Sequence: A344055
Score: 7.45741
Type of gen. func.: ogf

$$-\frac{(6 x - 1)^{1/2} (-1 + 2 x)^{1/2} - 4 x + 1}{2 (6 x - 1)^{1/2} (-1 + 2 x)^{1/2} x}$$

Sequence: A344097
Score: 10.6785
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^4 + 5 x^3 + 10 x^2 + 10 x + 5}{(x - 1)^5 (x + 1)^5}$$

Sequence: A344099
Score: 9.71185
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^5 + 5 x^4 + 10 x^3 + 10 x^2 + 4 x + 1}{}$$

$$(x-1)^5 (x+1)^5$$

Sequence: A344100
Score: 9.33659
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^6 + 6 x^5 + 15 x^4 + 20 x^3 + 15 x^2 + 5 x + 1}{(x-1)^6 (x+1)^6}$$

Sequence: A344109
Score: 11.3574
Type of gen. func.: ogf

$$(332 f(x) - 1327) (2 f(x) x^2 + f(x) x - f(x) - 3 x + 4)$$

Sequence: A344109
Score: 13.813
Type of gen. func.: ogf

$$\{-a(n+2) + a(n+1) + 2 a(n), a(0) = 4, a(1) = 1\}$$

Sequence: A344109
Score: 22.7147
Type of gen. func.: ogf

$$\frac{3 x - 4}{(x+1) (-1 + 2 x)}$$

Sequence: A344109
Score: 27.626
Type of gen. func.: ogf

$$\frac{3 x - 4}{(x+1) (-1 + 2 x)}$$

Sequence: A344120
Score: 2.74852
Type of gen. func.: ogf

$$-\frac{x^{2}\left(6 x^{64}+x^{62}+2 x^{61}-x^{60}-12 x^{10}-12 x^{9}-12 x^{7}-6 x^{3}-6 x^{2}-6\right)}{x^{66}+x^{65}-2 x^{64}+x^{63}-2 x^{62}-2 x^{61}+x^{60}-12 x^{14}+6 x^{7}+6}$$

Sequence: A344120
Score: 2.86674
Type of gen. func.: ogf

$$-\frac{x^{2}\left(6 x^{64}+x^{62}+2 x^{61}-x^{60}-12 x^{10}-12 x^{9}-12 x^{7}-6 x^{3}-6 x^{2}-6\right)}{x^{66}+x^{65}-2 x^{64}+x^{63}-2 x^{62}-2 x^{61}+x^{60}-12 x^{14}+6 x^{7}+6}$$

Sequence: A344121
Score: 11.8795
Type of gen. func.: ogf

$$-\frac{49 x^{2}-42 x-5}{(x-1)(7 x+1)(7 x-1)}$$

Sequence: A344121
Score: 13.3881
Type of gen. func.: ogf

$$-\frac{49 x^{2}-42 x-5}{(x-1)(7 x+1)(7 x-1)}$$

Sequence: A344121
Score: 6.53836
Type of gen. func.: ogf

$$-(857854 f(x)+896581)$$

$$(49 f(x) x^{3}-49 f(x) x^{2}-f(x) x+49 x^{2}+f(x)-42 x-5)$$

Sequence: A344121
Score: 7.73805
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2) + 49 a(n + 1) - 49 a(n), a(0) = 5, a(1) = 47, a(2) = 243\}$$

Sequence: A344126
Score: 7.00281
Type of gen. func.: ogf

$$-\frac{2 x^8 - 3 x^7 + 7 x^6 + 16 x^5 + 28 x^4 + 22 x^3 + 18 x^2 + 5 x + 1}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A344126
Score: 7.51678
Type of gen. func.: ogf

$$-\frac{2 x^8 - 3 x^7 + 7 x^6 + 16 x^5 + 28 x^4 + 22 x^3 + 18 x^2 + 5 x + 1}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A344136
Score: 5.04019
Type of gen. func.: ogf

$$4 f(x)^2 x^4 - f(x)^2 x^3 + 12 f(x) x^3 - 27 f(x) x^2 + 14 f(x) x + 9 x^2 - 2 f(x) - 8 x + 2$$

Sequence: A344191
Score: 5.47331
Type of gen. func.: ogf

$$4 f(x)^2 x^3 - f(x)^2 x^2 - 12 f(x) x^2 + 7 f(x) x + 9 x^2 - f(x) - 6 x + 1$$

Sequence: A344191
Score: 6.35611
Type of gen. func.: ogf

$$\frac{(2 I x - I + (-1 + 4 x)^{1/2}) (3 x - 1)}{2 (-1 + 4 x)^{1/2} x^2}$$

Sequence: A344215
Score: 16.0741
Type of gen. func.: ogf

$$- \frac{x^2 (5 x - 2)}{(3 x - 1)^2 (-1 + 2 x)^2}$$

Sequence: A344215
Score: 18.9317
Type of gen. func.: ogf

$$- \frac{x^2 (5 x - 2)}{(3 x - 1)^2 (-1 + 2 x)^2}$$

Sequence: A344215
Score: 6.21844
Type of gen. func.: ogf

{-a(n + 4) + 10 a(n + 3) - 37 a(n + 2) + 60 a(n + 1) - 36 a(n), a(0) = 0,

a(1) = 0, a(2) = 2, a(3) = 15}

Sequence: A344215
Score: 7.67501
Type of gen. func.: ogf

$$36 f(x) x^4 - 60 f(x) x^3 + 37 f(x) x^2 + 5 x^3 - 10 f(x) x - 2 x^2 + f(x)$$

Sequence: A344216
Score: 6.58169
Type of gen. func.: egf]

$$\frac{-I\,(4\,I\,\ln(x-1)+4\,I\,x-I+4\,\mathrm{Pi})}{(x-1)^{3}}$$

Sequence: A344217
Score: 5.42121
Type of gen. func.: egf]

$$(2\,I\,\ln(2)+4\,I\,\ln(x-1)-\ln(3\,x^{4}-12\,x^{3}+18\,x^{2}-12\,x+4)\,I+4\,\mathrm{Pi})\,I$$

Sequence: A344228
Score: 4.48774
Type of gen. func.: ogf

$$-\frac{3\,(-1+4\,x)^{(3/2)}\,x+8\,I\,x^{3}-2\,(-1+4\,x)^{(3/2)}-24\,I\,x^{2}+15\,I\,x-2\,I}{2\,(-1+4\,x)^{3/2}\,x^{2}}$$

Sequence: A344236
Score: 12.6101
Type of gen. func.: ogf

$$-\frac{x\,(2\,x+1)}{(x+1)\,(4\,x^{2}+x-1)}$$

Sequence: A344236
Score: 14.5135
Type of gen. func.: ogf

$$-\frac{x\,(2\,x+1)}{(x+1)\,(4\,x^{2}+x-1)}$$

Sequence: A344236
Score: 8.27111
Type of gen. func.: ogf

$$\qquad ^{3} \qquad\qquad ^{2} \qquad ^{2}$$

$$-(9 f(x) + 2) (4 f(x) x + 5 f(x) x + 2 x - f(x) + x)$$

Sequence: A344236
Score: 9.04957
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 1) - 4 a(n), a(0) = 0, a(1) = 1, a(2) = 2\}$$

Sequence: A344259
Score: 5.10616
Type of gen. func.: ogf

$$\frac{x (4 x^{39} - x^{35} - 4 x^{31} + 2 x^{15} - x^{13} - x^{8} - x^{7} + x^{5} + x^{3} + 1)}{(x + 1) (x^{2} + 1) (x^{4} + 1) (x - 1)^{2}}$$

Sequence: A344259
Score: 5.38595
Type of gen. func.: ogf

$$\frac{x (4 x^{39} - x^{35} - 4 x^{31} + 2 x^{15} - x^{13} - x^{8} - x^{7} + x^{5} + x^{3} + 1)}{(x + 1) (x^{2} + 1) (x^{4} + 1) (x - 1)^{2}}$$

Sequence: A344261
Score: 13.495
Type of gen. func.: ogf

$$\frac{2 x^{2} - 1}{(x + 1) (4 x^{2} + x - 1)}$$

Sequence: A344261
Score: 15.6982
Type of gen. func.: ogf

$$\frac{2 x^{2} - 1}{{}^{2}}$$

$$(x + 1) (4 x + x - 1)$$

Sequence: A344261
Score: 8.01264
Type of gen. func.: ogf

$$-(23 f(x) - 752) (4 f(x) x^3 + 5 f(x) x^2 - 2 x^2 - f(x) + 1)$$

Sequence: A344261
Score: 9.04957
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 0, a(2) = 3\}$$

Sequence: A344262
Score: 13.9097
Type of gen. func.: egf]

$$- \frac{(x + 1) \cosh(x)}{x - 1}$$

Sequence: A344282
Score: 20.9618
Type of gen. func.: ogf

$$- \frac{288 x + 71}{x - 1}$$

Sequence: A344310
Score: 3.17943
Type of gen. func.: ogf

$$- x^4 (x^{19} + x^{18} + x^{17} + x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + 2 x^7 + 2 x^6 + 4 x^5 + 5 x^4 + 6 x^3 + 4 x^2 + 2 x + 1) / ((x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1))$$

Sequence: A344310
Score: 3.28767
Type of gen. func.: ogf

$$-x^4 \left(x^{19} + x^{18} + x^{17} + x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + 2 x^7 + 2 x^6 + 4 x^5 + 5 x^4 + 6 x^3 + 4 x^2 + 2 x + 1\right) \Big/ \left((x - 1) (x + 1) (x^2 + 1) (x^2 + x + 1)\right)$$

Sequence: A344389
Score: 5.43278
Type of gen. func.: ogf

$$-(3265920 x^{10} + 3265920 x^9 + 1632960 x^8 + 544320 x^7 + 136080 x^6 + 27216 x^5 + 4536 x^4 + 648 x^3 + 81 x^2 + 9 x + 1)/(x - 1)$$

Sequence: A344389
Score: 5.74322
Type of gen. func.: ogf

$$-(3265920 x^{10} + 3265920 x^9 + 1632960 x^8 + 544320 x^7 + 136080 x^6 + 27216 x^5 + 4536 x^4 + 648 x^3 + 81 x^2 + 9 x + 1)/(x - 1)$$

Sequence: A344396
Score: 7.63356
Type of gen. func.: revogf

$$\frac{-35 x^2 - 35 x - 8 + ((13 x^2 + 10 x + 1) (8 + 13 x)^2)^{1/2}}{18 (2 x + 1)^2}$$

Sequence: A344399
Score: 10.6238
Type of gen. func.: lgdogf

$$-\frac{4\,(10\,x^{2}+x+1)}{(-1+4\,x)\,(20\,x^{2}-6\,x+1)}$$

Sequence: A344399
Score: 3.12464
Type of gen. func.: ogf

$$\{-a(n+4)\,n+10\,a(n+3)\,n-44\,a(n+2)\,n+80\,a(n+1)\,n-4\,a(n+4)+34\,a(n+3)-84\,a(n+2)+120\,a(n+1),\ a(0)=1,\ a(1)=4,\ a(2)=30,\ a(3)=200\}$$

Sequence: A344400
Score: 9.27313
Type of gen. func.: lgdogf

$$-\frac{16\,x^{3}+24\,x^{2}+30\,x+17}{(-1+4\,x)\,(8\,x^{3}+3\,x+1)}$$

Sequence: A344401
Score: 6.45444
Type of gen. func.: lgdogf

$$-\frac{80\,x^{4}-134\,x^{3}+3\,x^{2}-152\,x-49}{(-1+4\,x)\,(40\,x^{4}-49\,x^{3}+15\,x^{2}-13\,x-2)}$$

Sequence: A344402
Score: 7.95641
Type of gen. func.: ogf

$$-\frac{(81\,x^{2}+9\,x+1)\,(4782969\,x^{6}+2187\,x^{3}+1)}{31381059609\,x^{9}-1}$$

Sequence: A344402
Score: 8.70525
Type of gen. func.: ogf

$$-\frac{(81 x^2 + 9 x + 1) (4782969 x^6 + 2187 x^3 + 1)}{31381059609 x^9 - 1}$$

Sequence: A344410
Score: 7.38448
Type of gen. func.: ogf

$$-\frac{x^7 - 943 x^6 - 15567 x^5 - 35135 x^4 - 15337 x^3 - 1065 x^2 + 7 x - 1}{(x - 1)^8}$$

Sequence: A344410
Score: 8.01295
Type of gen. func.: ogf

$$-\frac{x^7 - 943 x^6 - 15567 x^5 - 35135 x^4 - 15337 x^3 - 1065 x^2 + 7 x - 1}{(x - 1)^8}$$

Sequence: A344418
Score: 15.1758
Type of gen. func.: egf]

$$-\frac{(x + 1) \sinh(x)}{x - 1}$$

Sequence: A344420
Score: 7.36751
Type of gen. func.: ogf

$$\frac{x^{11}}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A344420
Score: 7.93974
Type of gen. func.: ogf

$$\frac{x^{11}}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A344423
Score: 4.12995
Type of gen. func.: ogf

$$(1219789880221 f(x) + 15500544872410) (1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 13100 x^2 - f(x) - 12421 x + 212)$$

Sequence: A344423
Score: 5.12914
Type of gen. func.: ogf

$$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 212, a(1) = 11111, a(2) = 1011101\}$$

Sequence: A344423
Score: 7.75625
Type of gen. func.: ogf

$$- \frac{13100 x^2 - 12421 x + 212}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A344423
Score: 8.59477
Type of gen. func.: ogf

$$- \frac{13100 x^2 - 12421 x + 212}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A344504
Score: 4.65729
Type of gen. func.: ogf

$$\left(3 I (x + 1)^{1/2} x^2 + (3 x - 1)^{(3/2)} x - 4 I (x + 1)^{1/2} x + (3 x - 1)^{(3/2)} + (x + 1)^{1/2} I\right) / \left(2 (3 x - 1)^{5/2} x\right)$$

Sequence: A344504
Score: 5.00879
Type of gen. func.: ogf

$$27 f(x)^2 x^4 - 27 f(x)^2 x^3 + 9 f(x)^2 x^2 - 9 f(x) x^3 - f(x)^2 x - 3 f(x) x^2 + 5 f(x) x + x^2 - f(x) + x$$

Sequence: A344506
Score: 15.1747
Type of gen. func.: revogf

$$\frac{x (3 x + 1)}{13 x^2 + 7 x + 1}$$

Sequence: A344506
Score: 9.53282
Type of gen. func.: ogf

$$-13 f(x)^2 x^2 + 3 f(x)^2 x - 7 f(x) x + f(x) - 1$$

Sequence: A344507
Score: 10.3533
Type of gen. func.: ogf

$$-3 f(x)^2 x^2 - 2 f(x)^2 x + 3 f(x) x + f(x) - 1$$

Sequence: A344507

Score: 15.3308
Type of gen. func.: revogf

$$-\frac{x(-1+2x)}{3x^2-3x+1}$$

Sequence: A344507
Score: 3.43622
Type of gen. func.: ogf

{2 a(n + 4) n - a(n + 3) n - 12 a(n + 2) n - 9 a(n + 1) n + 10 a(n + 4)

+ a(n + 3) - 33 a(n + 2) - 18 a(n + 1), a(0) = 1, a(1) = -1, a(2) = 2,

a(3) = -2}

Sequence: A344543
Score: 7.70973
Type of gen. func.: ogf

$$\frac{2x^9+x^7+x^6+x^5+x^4+x^3+x^2+x+1}{(x+1)(x^2+1)(x^4+1)(x-1)^2}$$

Sequence: A344543
Score: 8.20315
Type of gen. func.: ogf

$$\frac{2x^9+x^7+x^6+x^5+x^4+x^3+x^2+x+1}{(x+1)(x^2+1)(x^4+1)(x-1)^2}$$

Sequence: A344553
Score: 16.79
Type of gen. func.: revogf

$$-\frac{x(-1+2x)^2}{x-1}$$

Sequence: A344553
Score: 9.59427
Type of gen. func.: ogf

$$-4 f(x)^{3} x^{2} + 4 f(x)^{2} x - f(x) x - f(x) + 1$$

Sequence: A344558
Score: 13.6391
Type of gen. func.: revogf

$$\frac{x (x + 1)}{6 x^{2} + 3 x + 1}$$

Sequence: A344558
Score: 8.50233
Type of gen. func.: ogf

$$-6 f(x)^{2} x^{2} + f(x)^{2} x - 3 f(x) x + f(x) - 1$$

Sequence: A344564
Score: 30.1048
Type of gen. func.: ogf

$$- \frac{3}{(-1 + 2 x)^{5}}$$

Sequence: A344564
Score: 4.25209
Type of gen. func.: ogf

$$\{a(n + 5) - 10 a(n + 4) + 40 a(n + 3) - 80 a(n + 2) + 80 a(n + 1) - 32 a(n),$$

$$a(0) = 3, a(1) = 30, a(2) = 180, a(3) = 840, a(4) = 3360\}$$

Sequence: A344564
Score: 44.2718
Type of gen. func.: ogf

$$-\frac{3}{(-1 + 2 x)^{5}}$$

Sequence: A344576
Score: 4.57956
Type of gen. func.: ogf

$$-f(x)^{2} x^{4} + 13 f(x)^{2} x^{3} - 44 f(x)^{2} x^{2} + 6 f(x) x^{3} + 13 f(x)^{2} x - 36 f(x) x^{2} - f(x)^{2} + 6 f(x) x - 8 x^{2}$$

Sequence: A344576
Score: 6.04351
Type of gen. func.: ogf

$$-\frac{(-3 x^{2} + ((x^{2} - 6 x + 1) (x + 1)^{2})^{1/2} + 18 x - 3) x}{(x^{2} - 7 x + 1) (x^{2} - 6 x + 1)}$$

Sequence: A344623
Score: 6.43775
Type of gen. func.: ogf

$$f(x)^{2} x^{3} + f(x)^{2} x^{2} - f(x)^{2} x - f(x) x^{2} - f(x) x + f(x) - x - 1$$

Sequence: A344623
Score: 6.72515
Type of gen. func.: revogf

$$-\frac{x^{2} + ((5 x^{2} - 5 x - 1) (x^{2} - x - 1))^{1/2} - x - 1}{2 (x^{2} - x - 1)}$$

Sequence: A344638
Score: 3.56468
Type of gen. func.: ogf

$\{a(n + 5) - 112 a(n + 4) + 346 a(n + 3) - 306 a(n + 2) + 57 a(n + 1) - 2 a(n),$

$a(0) = 15, a(1) = 1548, a(2) = 168386, a(3) = 18328142, a(4) = 1994963186\}$

Sequence: A344638
Score: 6.59129
Type of gen. func.: ogf

$$-\frac{5 x^4 - 72 x^3 + 200 x^2 - 132 x + 15}{2 x^5 - 57 x^4 + 306 x^3 - 346 x^2 + 112 x - 1}$$

Sequence: A344638
Score: 7.12936
Type of gen. func.: ogf

$$-\frac{5 x^4 - 72 x^3 + 200 x^2 - 132 x + 15}{2 x^5 - 57 x^4 + 306 x^3 - 346 x^2 + 112 x - 1}$$

Sequence: A344679
Score: 14.2214
Type of gen. func.: ogf

$$\frac{2 x^2 (x^3 + 3 x^2 - 57 x - 43)}{(x - 1)^5}$$

Sequence: A344679
Score: 16.4522
Type of gen. func.: ogf

$$\frac{2 x^2 (x^3 + 3 x^2 - 57 x - 43)}{(x - 1)^5}$$

Sequence: A344679
Score: 4.34747
Type of gen. func.: ogf

{a(n + 6) - 5 a(n + 5) + 10 a(n + 4) - 10 a(n + 3) + 5 a(n + 2) - a(n + 1),

a(0) = 0, a(1) = 0, a(2) = 86, a(3) = 544, a(4) = 1854, a(5) = 4688}

Sequence: A344684
Score: 3.31938
Type of gen. func.: ogf

$-(702 f(x) - 71)$

$(f(x) x^4 - 2 f(x) x^3 - 7 f(x) x^2 + x^3 - 2 f(x) x + x^2 + f(x) - x - 1)$

Sequence: A344684
Score: 3.51463
Type of gen. func.: ogf

{a(n + 4) - 2 a(n + 3) - 7 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 1, a(1) = 3,

a(2) = 12, a(3) = 46}

Sequence: A344684
Score: 6.54781
Type of gen. func.: ogf

$$-\frac{(x - 1) (x + 1)^2}{x^4 - 2 x^3 - 7 x^2 - 2 x + 1}$$

Sequence: A344684
Score: 7.35369
Type of gen. func.: ogf

$$-\frac{(x - 1) (x + 1)^2}{x^4 - 2 x^3 - 7 x^2 - 2 x + 1}$$

Sequence: A344717
Score: 4.74697
Type of gen. func.: ogf

$$- ((-1 + 4 x)^{(3/2)} x^2 + 8 I x^3 + (-1 + 4 x)^{(3/2)} x - 11 I x^2 - (-1 + 4 x)^{(3/2)} + 7 I x - I) / (2 (-1 + 4 x)^{3/2} x^3)$$

Sequence: A344734
Score: 7.04376
Type of gen. func.: ogf

$$\frac{x^8 + x^7 + x^6 + 5 x^5 - x^4 + 8 x^3 + 2 x^2 + 2 x + 1}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A344734
Score: 7.56073
Type of gen. func.: ogf

$$\frac{x^8 + x^7 + x^6 + 5 x^5 - x^4 + 8 x^3 + 2 x^2 + 2 x + 1}{(x - 1)^2 (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A344747
Score: 12.0705
Type of gen. func.: ogf

$$- \frac{x (x - 2)}{(x - 1) (3 x - 1) (2 x + 1)}$$

Sequence: A344747
Score: 13.7646
Type of gen. func.: ogf

$$- \frac{x (x - 2)}{(x - 1) (3 x - 1) (2 x + 1)}$$

Sequence: A344747
Score: 6.94319
Type of gen. func.: ogf

$$(3725 f(x) + 1679) (6 f(x) x^3 - 5 f(x) x^2 - 2 f(x) x + x^2 + f(x) - 2 x)$$

Sequence: A344747
Score: 7.61728
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 2) + 5 a(n + 1) - 6 a(n), a(0) = 0, a(1) = 2, a(2) = 3\}$$

Sequence: A344791
Score: 15.1731
Type of gen. func.: ogf

$$\frac{x^2 - 2 x - 2}{(x + 1) (x - 1)^5}$$

Sequence: A344791
Score: 17.8706
Type of gen. func.: ogf

$$\frac{x^2 - 2 x - 2}{(x + 1) (x - 1)^5}$$

Sequence: A344791
Score: 4.3944
Type of gen. func.: ogf

$$\{-a(n + 6) + 4 a(n + 5) - 5 a(n + 4) + 5 a(n + 2) - 4 a(n + 1) + a(n), a(0) = 2,$$

$$a(1) = 10, a(2) = 29, a(3) = 66, a(4) = 129, a(5) = 228\}$$

Sequence: A344795
Score: 6.37311
Type of gen. func.: ogf

$$- \frac{x^{25} - x^{24} + x^{23} - x^{22} + x^9 - x^8 + x^7 - x^6 + x^5 + x^4 + 6 x^2 + 11 x - 20}{}$$

$$(x - 1)^2$$

Sequence: A344795
Score: 6.78762
Type of gen. func.: ogf

$$- \frac{x^{25} - x^{24} + x^{23} - x^{22} + x^{9} - x^{8} + x^{7} - x^{6} + x^{5} + x^{4} + 6 x^{2} + 11 x - 20}{(x - 1)^2}$$

Sequence: A344805
Score: 10.6257
Type of gen. func.: ogf

$$- \frac{x^{8} - x^{7} + x^{6} - x^{5} + x^{4} + x^{3} + 3 x - 6}{(x - 1)^2}$$

Sequence: A344805
Score: 9.62565
Type of gen. func.: ogf

$$- \frac{x^{8} - x^{7} + x^{6} - x^{5} + x^{4} + x^{3} + 3 x - 6}{(x - 1)^2}$$

Sequence: A344806
Score: 7.31441
Type of gen. func.: ogf

$$- \frac{x^{11} - x^{10} + x^{9} - x^{8} + x^{7} + x^{6} - 2 x^{4} + 4 x^{3} - 2 x^{2} + 18 x - 21}{(x - 1)^2}$$

Sequence: A344806
Score: 7.8717
Type of gen. func.: ogf

$$-\frac{x^{11} - x^{10} + x^{9} - x^{8} + x^{7} + x^{6} - 2x^{4} + 4x^{3} - 2x^{2} + 18x - 21}{(x - 1)^{2}}$$

Sequence: A344807
Score: 7.19668
Type of gen. func.: ogf

$$-\frac{x^{26} - x^{25} + x^{21} - x^{20} + 2x^{7} - x^{6} - x^{5} + x^{4} + x^{3} + 27x - 30}{(x - 1)^{2}}$$

Sequence: A344807
Score: 7.73475
Type of gen. func.: ogf

$$-\frac{x^{26} - x^{25} + x^{21} - x^{20} + 2x^{7} - x^{6} - x^{5} + x^{4} + x^{3} + 27x - 30}{(x - 1)^{2}}$$

Sequence: A344808
Score: 5.61079
Type of gen. func.: ogf

$$-(x^{14} - x^{13} + x^{12} - x^{11} + x^{10} + x^{9} - 2x^{8} + x^{7} - x^{6} + 7x^{5} - 7x^{4} + 2x^{3} + 2x^{2} + 31x - 36) / (x - 1)^{2}$$

Sequence: A344808
Score: 5.9314
Type of gen. func.: ogf

$$-(x^{14} - x^{13} + x^{12} - x^{11} + x^{10} + x^{9} - 2x^{8} + x^{7} - x^{6} + 7x^{5} - 7x^{4} + 2x^{3} + 2x^{2} + 31x - 36) / (x - 1)^{2}$$

Sequence: A344809
Score: 7.80557
Type of gen. func.: ogf

$$-\frac{x^{22}-x^{21}+x^{8}-x^{7}+x^{6}-x^{5}+x^{4}+x^{3}+51\,x-54}{(x-1)^{2}}$$

Sequence: A344809
Score: 8.44933
Type of gen. func.: ogf

$$-\frac{x^{22}-x^{21}+x^{8}-x^{7}+x^{6}-x^{5}+x^{4}+x^{3}+51\,x-54}{(x-1)^{2}}$$

Sequence: A344810
Score: 4.95471
Type of gen. func.: ogf

$$-(x^{23}-x^{22}+x^{18}-x^{17}+x^{16}-x^{15}+x^{14}-x^{13}+2\,x^{10}-2\,x^{9}+x^{8}-x^{7}$$
$$+2\,x^{6}-x^{4}+x^{3}+51\,x-54)\Big/(x-1)^{2}$$

Sequence: A344810
Score: 5.20244
Type of gen. func.: ogf

$$-(x^{23}-x^{22}+x^{18}-x^{17}+x^{16}-x^{15}+x^{14}-x^{13}+2\,x^{10}-2\,x^{9}+x^{8}-x^{7}$$
$$+2\,x^{6}-x^{4}+x^{3}+51\,x-54)\Big/(x-1)^{2}$$

Sequence: A344811
Score: 5.59227
Type of gen. func.: ogf

$$-(x^{27}-x^{26}+x^{13}-x^{12}+x^{11}-x^{10}+x^{9}+x^{8}-2\,x^{6}+7\,x^{5}-7\,x^{4}+2\,x^{3}$$

$$+ 2 x^2 + 55 x - 60) \Big/ (x - 1)^2$$

Sequence: A344811
Score: 5.90956
Type of gen. func.: ogf

$$- (x^{27} - x^{26} + x^{13} - x^{12} + x^{11} - x^{10} + x^9 + x^8 - 2 x^6 + 7 x^5 - 7 x^4 + 2 x^3$$
$$+ 2 x^2 + 55 x - 60) \Big/ (x - 1)^2$$

Sequence: A344812
Score: 7.28289
Type of gen. func.: ogf

$$- \frac{x^{26} - x^{25} + x^{21} - x^{20} + 2 x^7 - x^6 - x^5 + x^4 + x^3 + 75 x - 78}{(x - 1)^2}$$

Sequence: A344812
Score: 7.82741
Type of gen. func.: ogf

$$- \frac{x^{26} - x^{25} + x^{21} - x^{20} + 2 x^7 - x^6 - x^5 + x^4 + x^3 + 75 x - 78}{(x - 1)^2}$$

Sequence: A344853
Score: 4.718
Type of gen. func.: ogf

$$\frac{2 x^3 (3 x^{24} + x^{21} + x^{18} + 2 x^{15} + x^{12} + x^9 + 2 x^6 + x^3 + 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x^{18} + x^9 + 1) (x - 1)^2}$$

Sequence: A344853

Score: 4.94402
Type of gen. func.: ogf

$$\frac{2 x^{3} (3 x^{24} + x^{21} + x^{18} + 2 x^{15} + x^{12} + x^{9} + 2 x^{6} + x^{3} + 1)}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x^{18} + x^{9} + 1) (x - 1)^{2}}$$

Sequence: A344866
Score: 15.6021
Type of gen. func.: ogf

$$- \frac{x (7 x + 1) (x^{2} + 4 x + 1)}{(x - 1)^{5}}$$

Sequence: A344866
Score: 17.9572
Type of gen. func.: ogf

$$- \frac{x (7 x + 1) (x^{2} + 4 x + 1)}{(x - 1)^{5}}$$

Sequence: A344866
Score: 5.63154
Type of gen. func.: ogf

$\{-a(n + 5) + 5 a(n + 4) - 10 a(n + 3) + 10 a(n + 2) - 5 a(n + 1) + a(n),$

$a(0) = 0, a(1) = 1, a(2) = 16, a(3) = 99, a(4) = 352\}$

Sequence: A344907
Score: 15.8047
Type of gen. func.: ogf

$$- \frac{3 x (3 x^{3} + 23 x^{2} + 5 x + 1)}{(x - 1)^{5}}$$

Sequence: A344907
Score: 18.3334
Type of gen. func.: ogf

$$-\frac{3 x (3 x^3 + 23 x^2 + 5 x + 1)}{(x - 1)^5}$$

Sequence: A344907
Score: 5.39219
Type of gen. func.: ogf

{-a(n + 5) + 5 a(n + 4) - 10 a(n + 3) + 10 a(n + 2) - 5 a(n + 1) + a(n),

a(0) = 0, a(1) = 3, a(2) = 30, a(3) = 189, a(4) = 684}

Sequence: A344920
Score: 14.8532
Type of gen. func.: ogf

$$\frac{x (-1 + 2 x)}{(x + 1) (2 x + 1)}$$

Sequence: A344920
Score: 17.7513
Type of gen. func.: ogf

$$\frac{x (-1 + 2 x)}{(x + 1) (2 x + 1)}$$

Sequence: A344920
Score: 7.82586
Type of gen. func.: ogf

{-a(n + 3) - 3 a(n + 2) - 2 a(n + 1), a(0) = 0, a(1) = -1, a(2) = 5}

Sequence: A344920
Score: 8.56241
Type of gen. func.: ogf

$$-f(x)\,(2\,f(x)\,x^{2} + 3\,f(x)\,x - 2\,x^{2} + f(x) + x)$$

Sequence: A344935
Score: 15.0376
Type of gen. func.: egf]

$$-\frac{(x + 1)\cos(x)}{x - 1}$$

Sequence: A345009
Score: 4.337
Type of gen. func.: ogf

$$-\frac{(x^{5} - x^{4} - x^{3} - x^{2} - x - 1)\,(x^{25} - x^{20} - x^{15} - x^{10} - x^{5} - 1)}{(x - 1)\,(x^{4} + x^{3} + x^{2} + x + 1)\,(x^{20} + x^{15} + x^{10} + x^{5} + 1)}$$

Sequence: A345009
Score: 4.51771
Type of gen. func.: ogf

$$-\frac{(x^{5} - x^{4} - x^{3} - x^{2} - x - 1)\,(x^{25} - x^{20} - x^{15} - x^{10} - x^{5} - 1)}{(x - 1)\,(x^{4} + x^{3} + x^{2} + x + 1)\,(x^{20} + x^{15} + x^{10} + x^{5} + 1)}$$

Sequence: A345018
Score: 4.50437
Type of gen. func.: ogf

$$\frac{15\,x^{25} - 64\,x^{24} + 64\,x^{23} - 48\,x^{15} + 48\,x^{14} - 8\,x^{9} - 9\,x^{6} + 9\,x^{5} - 3}{(15\,x^{25} - 8\,x^{9} - 3)\,(x - 1)^{2}}$$

Sequence: A345018
Score: 4.80218
Type of gen. func.: ogf

25 24 23 15 14 9 6 5

$$\frac{15 x - 64 x + 64 x - 48 x + 48 x - 8 x - 9 x + 9 x - 3}{(15 x^{25} - 8 x^{9} - 3) (x - 1)^{2}}$$

Sequence: A345019
Score: 10.5195
Type of gen. func.: ogf

$$\frac{x^{4} + x^{3} + 6 x^{2} + x + 1}{(x + 1) (x^{2} + 1) (x - 1)^{2}}$$

Sequence: A345019
Score: 11.6125
Type of gen. func.: ogf

$$\frac{x^{4} + x^{3} + 6 x^{2} + x + 1}{(x + 1) (x^{2} + 1) (x - 1)^{2}}$$

Sequence: A345019
Score: 6.93147
Type of gen. func.: ogf

{a(n + 5) - a(n + 4) - a(n + 1) + a(n), a(0) = 1, a(1) = 2, a(2) = 8, a(3) = 9,

a(4) = 11}

Sequence: A345021
Score: 5.01606
Type of gen. func.: ogf

{-a(n + 6) + a(n + 4) - a(n + 2) + a(n), a(0) = 0, a(1) = 1, a(2) = 0, a(3) = 1,

a(4) = 1, a(5) = 2}

Sequence: A345021
Score: 8.54587
Type of gen. func.: ogf

4   3

$$- \frac{x (2 x + x + 1)}{(x - 1) (x + 1) (x^{4} + 1)}$$

Sequence: A345021
Score: 9.48241
Type of gen. func.: ogf

$$- \frac{x (2 x^{4} + x^{3} + 1)}{(x - 1) (x + 1) (x^{4} + 1)}$$

Sequence: A345031
Score: 16.0009
Type of gen. func.: ogf

$$\frac{x^{2}}{(-1 + 2 x) (x^{2} + 4 x - 1)}$$

Sequence: A345031
Score: 19.4605
Type of gen. func.: ogf

$$\frac{x^{2}}{(-1 + 2 x) (x^{2} + 4 x - 1)}$$

Sequence: A345031
Score: 7.05921
Type of gen. func.: ogf

$\{-a(n + 3) + 6 a(n + 2) - 7 a(n + 1) - 2 a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$

Sequence: A345031
Score: 8.88937
Type of gen. func.: ogf

3 2 2

$$2 f(x) x + 7 f(x) x - 6 f(x) x - x + f(x)$$

Sequence: A345073
Score: 4.36721
Type of gen. func.: ogf

$$-(x^2+x+1)(4x^{48}+3x^{33}+9x^{30}+9x^{27}+9x^{24}+9x^{21}+9x^{18}+9x^{15}+9x^{12}+9x^9+9x^6+9x^3+6) / (3x^{51}-2x^{48}+3x^{33}-3)$$

Sequence: A345073
Score: 4.56917
Type of gen. func.: ogf

$$-(x^2+x+1)(4x^{48}+3x^{33}+9x^{30}+9x^{27}+9x^{24}+9x^{21}+9x^{18}+9x^{15}+9x^{12}+9x^9+9x^6+9x^3+6) / (3x^{51}-2x^{48}+3x^{33}-3)$$

Sequence: A345075
Score: 13.8635
Type of gen. func.: lgdegf]

$$-\frac{x^2-4x-1}{(x^2+x-1)^2}$$

Sequence: A345075
Score: 3.04452
Type of gen. func.: egf]

$$\{-a(n+4) n + 2 a(n+3) n + a(n+2) n - 2 a(n+1) n - a(n) n - 4 a(n+4) + 7 a(n+3) + 6 a(n+2) - 3 a(n+1), a(0) = 1, a(1) = 1, a(2) = 7/2, a(3) = 43/6\}$$

Sequence: A345102
Score: 8.43308
Type of gen. func.: revegf]

$$(\ln(2) I - \ln(3 x^2 - 2 x - 2) I - Pi) I$$

Sequence: A345103
Score: 10.7988
Type of gen. func.: revegf]

$$-I (Pi + \ln((2 x + 1) (x - 1)) I)$$

Sequence: A345118
Score: 10.4804
Type of gen. func.: ogf

$$-\frac{x (x^4 + 3 x^3 - x^2 - x + 4)}{(x^4 + 1) (x - 1)^3}$$

Sequence: A345118
Score: 11.6289
Type of gen. func.: ogf

$$-\frac{x (x^4 + 3 x^3 - x^2 - x + 4)}{(x^4 + 1) (x - 1)^3}$$

Sequence: A345132
Score: 13.3153
Type of gen. func.: lgdegf]

$$\frac{x^2 - 2 x - 2}{2 (x - 1)}$$

Sequence: A345132
Score: 3.02355
Type of gen. func.: ogf

$$\{a(n + 1) n^2 - 2 a(n + 3) n - 2 a(n + 2) n + 5 a(n + 1) n + 2 a(n + 4)$$

$- 8 a(n + 3) - 6 a(n + 2) + 6 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 3,$

$a(3) = 10\}$

Sequence: A345189
Score: 12.689
Type of gen. func.: revogf

$$\frac{(x + 2 + (-8 x^2 - 8 x + 1)^{1/2}) x}{3}$$

Sequence: A345190
Score: 11.0333
Type of gen. func.: revogf

$$- \frac{(-1 - x + (-8 x^2 + 8 x + 1)^{1/2}) (x - 1)}{3}$$

Sequence: A345211
Score: 8.32428
Type of gen. func.: ogf

$$\frac{2 (x + 1) (x^2 + x + 1) (x^2 - x + 1)^2}{(x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A345211
Score: 8.98363
Type of gen. func.: ogf

$$\frac{2 (x + 1) (x^2 + x + 1) (x^2 - x + 1)^2}{(x^2 + 1) (x^4 + 1) (x - 1)^2}$$

Sequence: A345225
Score: 4.2458
Type of gen. func.: ogf

```
    14    13    12       11      10      9    8       7    6    5    4       3
- (x   + x   + x   + 16 x   + 2 x   + 2 x  + x  - 16 x  - x  - x  - x  - 16 x

          2              /         2        2   2     2   4     2
     - 2 x  - 2 x - 1)  /  ((x - 1)  (x + 1)  (x  + 1)  (x  + 1) )
                       /


-------------------------------------------------------------------------------

Sequence:  A345225
Score: 4.4294
Type of gen. func.: ogf


    14    13    12       11      10      9    8       7    6    5    4       3
- (x   + x   + x   + 16 x   + 2 x   + 2 x  + x  - 16 x  - x  - x  - x  - 16 x

          2              /         2        2   2     2   4     2
     - 2 x  - 2 x - 1)  /  ((x - 1)  (x + 1)  (x  + 1)  (x  + 1) )
                       /


-------------------------------------------------------------------------------

Sequence:  A345240
Score: 4.5111
Type of gen. func.: ogf


      13       12        11       10       9       8       7        6        5
- (9 x   + 16 x   - 151 x   + 16 x   + 13 x  + 60 x  + 77 x  + 252 x  + 283 x

            4        3        2               /            4    3    2
     + 278 x  + 229 x  + 158 x  + 52 x + 1)  /  ((x - 1) (x  + x  + x  + x + 1)
                                            /

    )


-------------------------------------------------------------------------------

Sequence:  A345240
Score: 4.70831
Type of gen. func.: ogf


      13       12        11       10       9       8       7        6        5
- (9 x   + 16 x   - 151 x   + 16 x   + 13 x  + 60 x  + 77 x  + 252 x  + 283 x

            4        3        2               /            4    3    2
     + 278 x  + 229 x  + 158 x  + 52 x + 1)  /  ((x - 1) (x  + x  + x  + x + 1)
                                            /

    )


-------------------------------------------------------------------------------

Sequence:  A345339
Score: 10.2006
Type of gen. func.: ogf


                                   2
             (9 f(x) + 181) (f(x) x  - 2 f(x) x + f(x) + 2 x - 20)
```

Sequence: A345339
Score: 11.8112
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 20, a(1) = 38\}$$

Sequence: A345339
Score: 23.6225
Type of gen. func.: ogf

$$-\frac{2 (x - 10)}{(x - 1)^2}$$

Sequence: A345339
Score: 29.9218
Type of gen. func.: ogf

$$-\frac{2 (x - 10)}{(x - 1)^2}$$

Sequence: A345340
Score: 4.29183
Type of gen. func.: ogf

$$192 f(x)^2 x^4 - 128 f(x)^2 x^3 - 32 f(x)^2 x^2 - 24 f(x) x^3 + 32 f(x)^2 x + 4 f(x) x^2 - 4 f(x)^2 + 6 f(x) x + x^2 - f(x)$$

Sequence: A345340
Score: 5.92682
Type of gen. func.: ogf

$$\frac{12 x^2 + (-(2 x + 1) (6 x - 1) (-1 + 2 x)^2)^{1/2} + 4 x - 1}{8 (6 x - 1) (2 x + 1) (-1 + 2 x)}$$

Sequence: A345367
Score: 5.28555
Type of gen. func.: ogf

$$-\frac{\mathrm{hypergeom}\left(\left[\frac{-1}{24}, 5/24\right], [2/3], \frac{256\,x}{27}\right)\mathrm{hypergeom}\left(\left[7/24, \frac{13}{24}\right], [4/3], \frac{256\,x}{27}\right)}{x - 1}$$

Sequence: A345377
Score: 15.9149
Type of gen. func.: ogf

$$-\frac{x^{33} + x^{10} + x^{3} + x + 1}{x - 1}$$

Sequence: A345377
Score: 18.2298
Type of gen. func.: ogf

$$-\frac{x^{33} + x^{10} + x^{3} + x + 1}{x - 1}$$

Sequence: A345378
Score: 5.61194
Type of gen. func.: ogf

$$- x^{2} (x + 1) (x^{2} - x + 1)$$

$$(x^{31} - x^{28} + x^{25} - x^{22} + x^{19} - x^{16} + x^{13} - x^{10} + x^{7} + x^{6} - x^{4} - x^{3} + x + 1)$$

$$/(x - 1)$$

Sequence: A345378
Score: 5.87759
Type of gen. func.: ogf

$$- x^{2} (x + 1) (x^{2} - x + 1)$$

31   28   25   22   19   16   13   10   7   6   4   3

$(x - x + x - x + x - x + x - x + x + x - x - x + x + 1)$

$/(x - 1)$

Sequence: A345379
Score: 14.8256
Type of gen. func.: ogf

$$-\frac{x^{2} (x^{45} + x^{16} + x^{5} + x + 1)}{x - 1}$$

Sequence: A345379
Score: 16.8358
Type of gen. func.: ogf

$$-\frac{x^{2} (x^{45} + x^{16} + x^{5} + x + 1)}{x - 1}$$

Sequence: A345448
Score: 15.8434
Type of gen. func.: ogf

$$-\frac{1}{2 x^{4} + 4 x^{3} + x^{2} + x - 1}$$

Sequence: A345448
Score: 18.9348
Type of gen. func.: ogf

$$-\frac{1}{2 x^{4} + 4 x^{3} + x^{2} + x - 1}$$

Sequence: A345448
Score: 5.79347
Type of gen. func.: ogf

{a(n + 4) - a(n + 3) - a(n + 2) - 4 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 1,

```
    a(2) = 2, a(3) = 7}



--------------------------------------------------------------------------------

Sequence:  A345448
Score: 6.41591
Type of gen. func.: ogf


                                 4            3          2
     (755 f(x) - 108) (2 f(x) x  + 4 f(x) x  + f(x) x  + f(x) x - f(x) + 1)



--------------------------------------------------------------------------------

Sequence:  A345455
Score: 10.5897
Type of gen. func.: ogf


                                        2
                                    26 x  + 14 x - 1
                             - -------------------------
                                            2
                               (32 x - 1) (x  - 11 x - 1)



--------------------------------------------------------------------------------

Sequence:  A345455
Score: 4.89373
Type of gen. func.: ogf


(434889521 f(x) - 35089082)

                3             2                    2
    (32 f(x) x  - 353 f(x) x  - 21 f(x) x + 26 x  + f(x) + 14 x - 1)



--------------------------------------------------------------------------------

Sequence:  A345455
Score: 5.87248
Type of gen. func.: ogf


{a(n + 3) - 21 a(n + 2) - 353 a(n + 1) + 32 a(n), a(0) = 1, a(1) = 7,

    a(2) = 474}



--------------------------------------------------------------------------------

Sequence:  A345455
Score: 9.36192
Type of gen. func.: ogf


                                        2
                                    26 x  + 14 x - 1
                             - -------------------------
                                            2
                               (32 x - 1) (x  - 11 x - 1)
```

Sequence: A345456
Score: 10.1376
Type of gen. func.: ogf

$$\frac{44 x^2 + x + 1}{(32 x - 1) (x^2 - 11 x - 1)}$$

Sequence: A345456
Score: 11.5858
Type of gen. func.: ogf

$$\frac{44 x^2 + x + 1}{(32 x - 1) (x^2 - 11 x - 1)}$$

Sequence: A345456
Score: 4.80597
Type of gen. func.: ogf

$$-(664449841 f(x) + 83193900) (32 f(x) x^3 - 353 f(x) x^2 - 21 f(x) x - 44 x^2 + f(x) - x - 1)$$

Sequence: A345456
Score: 5.8451
Type of gen. func.: ogf

$$\{-a(n + 3) + 21 a(n + 2) + 353 a(n + 1) - 32 a(n), a(0) = 1, a(1) = 22, a(2) = 859\}$$

Sequence: A345457
Score: 10.2634
Type of gen. func.: ogf

$$\frac{24 x^2 + 36 x + 1}{(32 x - 1) (x^2 - 11 x - 1)}$$

Sequence: A345457
Score: 4.23925
Type of gen. func.: ogf

```
-(6958232369 f(x) + 600752280)

              3              2                    2
    (32 f(x) x  - 353 f(x) x  - 21 f(x) x - 24 x  + f(x) - 36 x - 1)
```

Sequence: A345457
Score: 5.22336
Type of gen. func.: ogf

```
{a(n + 3) - 21 a(n + 2) - 353 a(n + 1) + 32 a(n), a(0) = 1, a(1) = 57,

    a(2) = 1574}
```

Sequence: A345457
Score: 9.00025
Type of gen. func.: ogf

```
                                       2
                                   24 x  + 36 x + 1
                              --------------------------
                                           2
                              (32 x - 1) (x  - 11 x - 1)
```

Sequence: A345458
Score: 4.39998
Type of gen. func.: ogf

```
(499441939249 f(x) + 4301971824)

              3              2                    2
    (32 f(x) x  - 353 f(x) x  - 21 f(x) x + 16 x  + f(x) - 106 x - 1)
```

Sequence: A345458
Score: 5.37342
Type of gen. func.: ogf

```
{-a(n + 3) + 21 a(n + 2) + 353 a(n + 1) - 32 a(n), a(0) = 1, a(1) = 127,

    a(2) = 3004}
```

Sequence: A345458
Score: 8.67424
Type of gen. func.: ogf

$$-\frac{16 x^{2} - 106 x - 1}{(32 x - 1) (x^{2} - 11 x - 1)}$$

Sequence: A345458
Score: 9.7935
Type of gen. func.: ogf

$$-\frac{16 x^{2} - 106 x - 1}{(32 x - 1) (x^{2} - 11 x - 1)}$$

Sequence: A345476
Score: 5.26847
Type of gen. func.: ogf

$$-(x^{19} - x^{18} + x^{17} - x^{16} + x^{15} - x^{14} + x^{13} - x^{12} + 3 x^{9} - 2 x^{8} - x^{7} + 2 x^{6} - x^{4} + x^{3} + 75 x - 78) \Big/ (x - 1)^{2}$$

Sequence: A345476
Score: 5.54759
Type of gen. func.: ogf

$$-(x^{19} - x^{18} + x^{17} - x^{16} + x^{15} - x^{14} + x^{13} - x^{12} + 3 x^{9} - 2 x^{8} - x^{7} + 2 x^{6} - x^{4} + x^{3} + 75 x - 78) \Big/ (x - 1)^{2}$$

Sequence: A345477
Score: 4.66565
Type of gen. func.: ogf

19 18 17 16 15 14 13 12 11 10 8 7 6

$$-(x - x + x - x + x - x + x - x + x - x + 4 x - 3 x - x + 2 x^{5} - x^{3} + x^{2} + 78 x - 81) / (x - 1)^{2}$$

Sequence: A345477
Score: 4.88651
Type of gen. func.: ogf

$$-(x^{19} - x^{18} + x^{17} - x^{16} + x^{15} - x^{14} + x^{13} - x^{12} + x^{11} - x^{10} + 4 x^{8} - 3 x^{7} - x^{6} + 2 x^{5} - x^{3} + x^{2} + 78 x - 81) / (x - 1)^{2}$$

Sequence: A345478
Score: 10.6799
Type of gen. func.: ogf

$$-\frac{x^{8} - x^{7} + x^{6} - x^{5} + x^{4} + x^{3} + 4 x - 7}{(x - 1)^{2}}$$

Sequence: A345478
Score: 9.67476
Type of gen. func.: ogf

$$-\frac{x^{8} - x^{7} + x^{6} - x^{5} + x^{4} + x^{3} + 4 x - 7}{(x - 1)^{2}}$$

Sequence: A345479
Score: 6.71975
Type of gen. func.: ogf

$$-\frac{x^{14} - x^{13} + x^{12} - x^{11} + 2 x^{8} - 2 x^{7} + x^{6} - x^{5} + x^{4} + x^{3} + 19 x - 22}{(x - 1)^{2}}$$

Sequence: A345479
Score: 7.18721
Type of gen. func.: ogf

$$-\frac{x^{14}-x^{13}+x^{12}-x^{11}+2x^{8}-2x^{7}+x^{6}-x^{5}+x^{4}+x^{3}+19x-22}{(x-1)^{2}}$$

Sequence: A345480
Score: 10.3709
Type of gen. func.: ogf

$$-\frac{x^{8}-x^{7}+x^{6}-x^{5}+x^{4}+x^{3}+28x-31}{(x-1)^{2}}$$

Sequence: A345480
Score: 9.41724
Type of gen. func.: ogf

$$-\frac{x^{8}-x^{7}+x^{6}-x^{5}+x^{4}+x^{3}+28x-31}{(x-1)^{2}}$$

Sequence: A345481
Score: 5.48438
Type of gen. func.: ogf

$$-(x^{23}-x^{22}+x^{15}-x^{14}+x^{13}-x^{12}+x^{9}-x^{8}+x^{6}-x^{5}+2x^{4}-x^{3}+x^{2}+34x-37)\Big/(x-1)^{2}$$

Sequence: A345481
Score: 5.79555
Type of gen. func.: ogf

$$-(x^{23}-x^{22}+x^{15}-x^{14}+x^{13}-x^{12}+x^{9}-x^{8}+x^{6}-x^{5}+2x^{4}-x^{3}+x^{2}+34x-37)\Big/(x-1)^{2}$$

/

Sequence: A345482
Score: 6.33049
Type of gen. func.: ogf

$$-\frac{x^{12}-x^{11}+x^{10}-x^{9}+x^{8}-x^{7}+x^{6}-x^{5}+x^{4}-x^{3}+8x^{2}+36x-45}{(x-1)^{2}}$$

Sequence: A345482
Score: 6.7456
Type of gen. func.: ogf

$$-\frac{x^{12}-x^{11}+x^{10}-x^{9}+x^{8}-x^{7}+x^{6}-x^{5}+x^{4}-x^{3}+8x^{2}+36x-45}{(x-1)^{2}}$$

Sequence: A345483
Score: 10.3745
Type of gen. func.: ogf

$$-\frac{x^{8}-x^{7}+x^{6}-x^{5}+x^{4}+x^{3}+52x-55}{(x-1)^{2}}$$

Sequence: A345483
Score: 9.42052
Type of gen. func.: ogf

$$-\frac{x^{8}-x^{7}+x^{6}-x^{5}+x^{4}+x^{3}+52x-55}{(x-1)^{2}}$$

Sequence: A345484
Score: 7.36122
Type of gen. func.: ogf

$$- \frac{x^{20} - x^{19} + x^{9} - x^{8} + 2 x^{7} - x^{6} - x^{5} + x^{4} + x^{3} + 52 x - 55}{(x - 1)^{2}}$$

Sequence: A345484
Score: 7.92207
Type of gen. func.: ogf

$$- \frac{x^{20} - x^{19} + x^{9} - x^{8} + 2 x^{7} - x^{6} - x^{5} + x^{4} + x^{3} + 52 x - 55}{(x - 1)^{2}}$$

Sequence: A345485
Score: 5.84952
Type of gen. func.: ogf

$$- (x^{18} - x^{17} + x^{13} - x^{12} + x^{11} - x^{10} + 2 x^{7} - 2 x^{6} + x^{5} - x^{4} + 2 x^{3} + 2 x^{2} + 56 x - 61) / (x - 1)^{2}$$

Sequence: A345485
Score: 6.20137
Type of gen. func.: ogf

$$- (x^{18} - x^{17} + x^{13} - x^{12} + x^{11} - x^{10} + 2 x^{7} - 2 x^{6} + x^{5} - x^{4} + 2 x^{3} + 2 x^{2} + 56 x - 61) / (x - 1)^{2}$$

Sequence: A345486
Score: 6.31926
Type of gen. func.: ogf

$$- \frac{x^{12} - x^{11} + x^{10} - x^{9} + x^{8} + x^{7} - 2 x^{6} + x^{5} - x^{4} + 7 x^{3} - 7 x^{2} + 68 x - 69}{(x - 1)^{2}}$$

Sequence: A345486
Score: 6.73363
Type of gen. func.: ogf

$$-\frac{x^{12}-x^{11}+x^{10}-x^{9}+x^{8}+x^{7}-2x^{6}+x^{5}-x^{4}+7x^{3}-7x^{2}+68x-69}{(x-1)^{2}}$$

Sequence: A345487
Score: 8.77395
Type of gen. func.: ogf

$$-\frac{x^{9}-x^{8}+x^{7}-x^{6}+x^{5}+x^{4}+6x^{2}+61x-70}{(x-1)^{2}}$$

Sequence: A345487
Score: 9.58075
Type of gen. func.: ogf

$$-\frac{x^{9}-x^{8}+x^{7}-x^{6}+x^{5}+x^{4}+6x^{2}+61x-70}{(x-1)^{2}}$$

Sequence: A345488
Score: 10.6799
Type of gen. func.: ogf

$$-\frac{x^{8}-x^{7}+x^{6}-x^{5}+x^{4}+x^{3}+5x-8}{(x-1)^{2}}$$

Sequence: A345488
Score: 9.67476
Type of gen. func.: ogf

$$-\frac{x^{8}-x^{7}+x^{6}-x^{5}+x^{4}+x^{3}+5x-8}{(x-1)^{2}}$$

Sequence: A345489
Score: 7.8717
Type of gen. func.: ogf

$$-\frac{x^{16} - x^{15} + x^{8} - x^{7} + x^{6} - x^{5} + x^{4} + x^{3} + 20 x - 23}{(x - 1)^{2}}$$

Sequence: A345489
Score: 8.52091
Type of gen. func.: ogf

$$-\frac{x^{16} - x^{15} + x^{8} - x^{7} + x^{6} - x^{5} + x^{4} + x^{3} + 20 x - 23}{(x - 1)^{2}}$$

Sequence: A345490
Score: 10.4235
Type of gen. func.: ogf

$$-\frac{x^{8} - x^{7} + x^{6} - x^{5} + x^{4} + x^{3} + 29 x - 32}{(x - 1)^{2}}$$

Sequence: A345490
Score: 9.46504
Type of gen. func.: ogf

$$-\frac{x^{8} - x^{7} + x^{6} - x^{5} + x^{4} + x^{3} + 29 x - 32}{(x - 1)^{2}}$$

Sequence: A345491
Score: 7.25965
Type of gen. func.: ogf

```
             19    18    8    7    6    5    4    3      2
```

$$-\frac{x - x + x - x + x - x + x + x + 3 x + 26 x - 32}{(x - 1)^2}$$

Sequence: A345491
Score: 7.81277
Type of gen. func.: ogf

$$-\frac{x^{19} - x^{18} + x^8 - x^7 + x^6 - x^5 + x^4 + x^3 + 3 x^2 + 26 x - 32}{(x - 1)^2}$$

Sequence: A345492
Score: 8.5215
Type of gen. func.: ogf

$$-\frac{x^{10} - x^9 + x^8 - x^7 + 3 x^4 - 2 x^3 - x^2 + 45 x - 46}{(x - 1)^2}$$

Sequence: A345492
Score: 9.29618
Type of gen. func.: ogf

$$-\frac{x^{10} - x^9 + x^8 - x^7 + 3 x^4 - 2 x^3 - x^2 + 45 x - 46}{(x - 1)^2}$$

Sequence: A345493
Score: 7.45756
Type of gen. func.: ogf

$$-\frac{x^{10} - x^9 + x^8 - x^7 + x^6 - x^5 + x^4 - x^3 + x^2 + 54 x - 56}{(x - 1)^2}$$

Sequence: A345493
Score: 8.03121

Type of gen. func.: ogf

$$-\frac{x^{10} - x^{9} + x^{8} - x^{7} + x^{6} - x^{5} + x^{4} - x^{3} + x^{2} + 54 x - 56}{(x - 1)^{2}}$$

Sequence: A345494
Score: 10.4261
Type of gen. func.: ogf

$$-\frac{x^{8} - x^{7} + x^{6} - x^{5} + x^{4} + x^{3} + 53 x - 56}{(x - 1)^{2}}$$

Sequence: A345494
Score: 9.46739
Type of gen. func.: ogf

$$-\frac{x^{8} - x^{7} + x^{6} - x^{5} + x^{4} + x^{3} + 53 x - 56}{(x - 1)^{2}}$$

Sequence: A345495
Score: 7.95904
Type of gen. func.: ogf

$$-\frac{x^{10} - x^{9} + x^{8} - x^{7} + x^{6} - x^{5} + x^{4} + x^{3} + 53 x - 56}{(x - 1)^{2}}$$

Sequence: A345495
Score: 8.62229
Type of gen. func.: ogf

$$-\frac{x^{10} - x^{9} + x^{8} - x^{7} + x^{6} - x^{5} + x^{4} + x^{3} + 53 x - 56}{(x - 1)^{2}}$$

Sequence: A345496
Score: 7.92753
Type of gen. func.: ogf

$$-\frac{x^{16}-x^{15}+x^{8}-x^{7}+x^{6}-x^{5}+2\,x^{4}-x^{2}+60\,x-62}{(x-1)^{2}}$$

Sequence: A345496
Score: 8.58135
Type of gen. func.: ogf

$$-\frac{x^{16}-x^{15}+x^{8}-x^{7}+x^{6}-x^{5}+2\,x^{4}-x^{2}+60\,x-62}{(x-1)^{2}}$$

Sequence: A345497
Score: 7.93208
Type of gen. func.: ogf

$$-\frac{x^{11}-x^{10}+x^{9}-x^{8}+2\,x^{5}-2\,x^{4}+x^{3}-x^{2}+69\,x-70}{(x-1)^{2}}$$

Sequence: A345497
Score: 8.58627
Type of gen. func.: ogf

$$-\frac{x^{11}-x^{10}+x^{9}-x^{8}+2\,x^{5}-2\,x^{4}+x^{3}-x^{2}+69\,x-70}{(x-1)^{2}}$$

Sequence: A345498
Score: 10.6799
Type of gen. func.: ogf

$$-\frac{x^{8}-x^{7}+x^{6}-x^{5}+x^{4}+x^{3}+6\,x-9}{{}^{2}}$$

$$(x - 1)$$

Sequence: A345498
Score: 9.67476
Type of gen. func.: ogf

$$- \frac{x^8 - x^7 + x^6 - x^5 + x^4 + x^3 + 6 x - 9}{(x - 1)^2}$$

Sequence: A345499
Score: 10.4624
Type of gen. func.: ogf

$$- \frac{x^8 - x^7 + x^6 - x^5 + x^4 + x^3 + 21 x - 24}{(x - 1)^2}$$

Sequence: A345499
Score: 9.50033
Type of gen. func.: ogf

$$- \frac{x^8 - x^7 + x^6 - x^5 + x^4 + x^3 + 21 x - 24}{(x - 1)^2}$$

Sequence: A345500
Score: 10.4762
Type of gen. func.: ogf

$$- \frac{x^8 - x^7 + x^6 - x^5 + x^4 + x^3 + 30 x - 33}{(x - 1)^2}$$

Sequence: A345500
Score: 9.51285
Type of gen. func.: ogf

$$-\frac{x^{8} - x^{7} + x^{6} - x^{5} + x^{4} + x^{3} + 30\,x - 33}{(x - 1)^{2}}$$

Sequence: A345501
Score: 7.99785
Type of gen. func.: ogf

$$-\frac{x^{10} - x^{9} + x^{8} - x^{7} + x^{6} - x^{5} + x^{4} + x^{3} + 30\,x - 33}{(x - 1)^{2}}$$

Sequence: A345501
Score: 8.66434
Type of gen. func.: ogf

$$-\frac{x^{10} - x^{9} + x^{8} - x^{7} + x^{6} - x^{5} + x^{4} + x^{3} + 30\,x - 33}{(x - 1)^{2}}$$

Sequence: A345502
Score: 10.2414
Type of gen. func.: ogf

$$-\frac{x^{13} - x^{12} + x^{5} - x^{4} + x^{3} - x^{2} + 46\,x - 47}{(x - 1)^{2}}$$

Sequence: A345502
Score: 9.32083
Type of gen. func.: ogf

$$-\frac{x^{13} - x^{12} + x^{5} - x^{4} + x^{3} - x^{2} + 46\,x - 47}{(x - 1)^{2}}$$

Sequence: A345503

Score: 8.66277
Type of gen. func.: ogf

$$-\frac{x^8 - x^7 + x^6 - x^5 + x^4 - x^3 + 7 x^2 + 40 x - 48}{(x - 1)^2}$$

Sequence: A345503
Score: 9.45935
Type of gen. func.: ogf

$$-\frac{x^8 - x^7 + x^6 - x^5 + x^4 - x^3 + 7 x^2 + 40 x - 48}{(x - 1)^2}$$

Sequence: A345504
Score: 7.99672
Type of gen. func.: ogf

$$-\frac{x^9 - x^8 + x^7 - x^6 + x^5 - x^4 + x^3 + x^2 + 54 x - 57}{(x - 1)^2}$$

Sequence: A345504
Score: 8.67013
Type of gen. func.: ogf

$$-\frac{x^9 - x^8 + x^7 - x^6 + x^5 - x^4 + x^3 + x^2 + 54 x - 57}{(x - 1)^2}$$

Sequence: A345505
Score: 10.4777
Type of gen. func.: ogf

$$-\frac{x^8 - x^7 + x^6 - x^5 + x^4 + x^3 + 54 x - 57}{(x - 1)^2}$$

Sequence: A345505
Score: 9.51425
Type of gen. func.: ogf

$$-\frac{x^8 - x^7 + x^6 - x^5 + x^4 + x^3 + 54 x - 57}{(x - 1)^2}$$

Sequence: A345508
Score: 10.5965
Type of gen. func.: ogf

$$-\frac{x^8 - x^7 + x^6 - x^5 + x^4 + x^3 + 7 x - 10}{(x - 1)^2}$$

Sequence: A345508
Score: 9.6108
Type of gen. func.: ogf

$$-\frac{x^8 - x^7 + x^6 - x^5 + x^4 + x^3 + 7 x - 10}{(x - 1)^2}$$

Sequence: A345509
Score: 10.4624
Type of gen. func.: ogf

$$-\frac{x^8 - x^7 + x^6 - x^5 + x^4 + x^3 + 22 x - 25}{(x - 1)^2}$$

Sequence: A345509
Score: 9.50033
Type of gen. func.: ogf

$$-\frac{x^8 - x^7 + x^6 - x^5 + x^4 + x^3 + 22 x - 25}{}$$

$$(x - 1)^{2}$$

Sequence: A345510
Score: 10.5288
Type of gen. func.: ogf

$$- \frac{x^{8} - x^{7} + x^{6} - x^{5} + x^{4} + x^{3} + 31 x - 34}{(x - 1)^{2}}$$

Sequence: A345510
Score: 9.56065
Type of gen. func.: ogf

$$- \frac{x^{8} - x^{7} + x^{6} - x^{5} + x^{4} + x^{3} + 31 x - 34}{(x - 1)^{2}}$$

Sequence: A345660
Score: 2.90035
Type of gen. func.: ogf

$$(f(x) - 1)^{2} (19702316018 x^{4} + 81920 f(x) x - 99253 f(x) - 81920 x + 99253)$$

Sequence: A345661
Score: 5.72401
Type of gen. func.: ogf

$$-(f(x) - 1)^{3}$$

Sequence: A345662
Score: 5.80136
Type of gen. func.: ogf

$$-(f(x) - 1)^{3}$$

Sequence: A345701
Score: 17.3553
Type of gen. func.: ogf

$$\frac{4 x^3 + 9 x^2 + 6 x - 1}{(x - 1)^4}$$

Sequence: A345701
Score: 20.7417
Type of gen. func.: ogf

$$\frac{4 x^3 + 9 x^2 + 6 x - 1}{(x - 1)^4}$$

Sequence: A345701
Score: 5.98879
Type of gen. func.: ogf

$$(328 f(x) + 1423)$$

$$(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 4 x^3 - 4 f(x) x - 9 x^2 + f(x) - 6 x + 1)$$

Sequence: A345701
Score: 6.253
Type of gen. func.: ogf

{a(n + 4) - 4 a(n + 3) + 6 a(n + 2) - 4 a(n + 1) + a(n), a(0) = -1, a(1) = 2,

a(2) = 23, a(3) = 80}

Sequence: A345702
Score: 8.16099
Type of gen. func.: ogf

$$- \frac{647 x^6 + 36942 x^5 + 195681 x^4 + 195716 x^3 + 36921 x^2 + 654 x - 1}{(x - 1)^7}$$

Sequence: A345702
Score: 8.87844
Type of gen. func.: ogf

$$-\frac{647 x^{6} + 36942 x^{5} + 195681 x^{4} + 195716 x^{3} + 36921 x^{2} + 654 x - 1}{(x - 1)^{7}}$$

Sequence: A345735
Score: 12.4164
Type of gen. func.: ogf

$$-\frac{17 x^{3} - 11 x^{2} - 17 x + 17}{(x + 1) (x - 1)^{3}}$$

Sequence: A345735
Score: 14.0448
Type of gen. func.: ogf

$$-\frac{17 x^{3} - 11 x^{2} - 17 x + 17}{(x + 1) (x - 1)^{3}}$$

Sequence: A345735
Score: 6.64134
Type of gen. func.: ogf

$$-(f(x) - 293)$$

$$(f(x) x^{4} - 2 f(x) x^{3} + 17 x^{3} + 2 f(x) x - 11 x^{2} - f(x) - 17 x + 17)$$

Sequence: A345735
Score: 7.13944
Type of gen. func.: ogf

$$\{-a(n + 4) + 2 a(n + 3) - 2 a(n + 1) + a(n), a(0) = 17, a(1) = 17, a(2) = 23,$$

$$a(3) = 29\}$$

Sequence: A345887
Score: 6.53595
Type of gen. func.: egf]

$$-\frac{\exp(x)\,x^3 - 3\exp(x)\,x^2 + 2\exp(x)\,x + 2\exp(x) - x - 1}{(x-1)^3}$$

Sequence: A345889
Score: 4.70141
Type of gen. func.: ogf

{-a(n + 2) n + a(n + 1) n + a(n + 3) - 6 a(n + 2) + 5 a(n + 1), a(0) = 1,

a(1) = 4, a(2) = 16}

Sequence: A345897
Score: 13.6497
Type of gen. func.: ogf

$$-\frac{7x^4 - x^3 + 14x^2 - 5x + 1}{(x-1)^5}$$

Sequence: A345897
Score: 15.6719
Type of gen. func.: ogf

$$-\frac{7x^4 - x^3 + 14x^2 - 5x + 1}{(x-1)^5}$$

Sequence: A345897
Score: 5.0374
Type of gen. func.: ogf

{a(n + 5) - 5 a(n + 4) + 10 a(n + 3) - 10 a(n + 2) + 5 a(n + 1) - a(n),

a(0) = 1, a(1) = 0, a(2) = 4, a(3) = 29, a(4) = 107}

Sequence: A345908
Score: 2.17865
Type of gen. func.: ogf

$$4 f(x)^2 x^3 - 4 f(x) x^3 + f(x)^2 x - f(x)^2 - f(x) x + f(x) + x$$

Sequence: A345953
Score: 20.1181
Type of gen. func.: ogf

$$- \frac{1}{2 x^5 + 4 x^3 + x - 1}$$

Sequence: A345953
Score: 24.9952
Type of gen. func.: ogf

$$- \frac{1}{2 x^5 + 4 x^3 + x - 1}$$

Sequence: A345953
Score: 6.44407
Type of gen. func.: ogf

$$\{-a(n + 5) + a(n + 4) + 4 a(n + 2) + 2 a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 5, a(4) = 9\}$$

Sequence: A345953
Score: 8.33172
Type of gen. func.: ogf

$$(f(x) - 1) (2 f(x) x^5 + 4 f(x) x^3 + f(x) x - f(x) + 1)$$

Sequence: A345954
Score: 22.7972

Type of gen. func.: ogf

$$\frac{x^3}{(3x-1)(-1+2x)^3}$$

Sequence: A345954
Score: 29.0861
Type of gen. func.: ogf

$$\frac{x^3}{(3x-1)(-1+2x)^3}$$

Sequence: A345954
Score: 6.29475
Type of gen. func.: ogf

$\{a(n+4) - 9a(n+3) + 30a(n+2) - 44a(n+1) + 24a(n), a(0) = 0,$

$a(1) = 0, a(2) = 0, a(3) = 1\}$

Sequence: A345954
Score: 8.26958
Type of gen. func.: ogf

$$-24f(x)x^4 + 44f(x)x^3 - 30f(x)x^2 + x^3 + 9f(x)x - f(x)$$

Sequence: A345963
Score: 11.1391
Type of gen. func.: ogf

$$-\frac{16x^2 - 2x + 1}{(x-1)(-1+4x)(16x-1)}$$

Sequence: A345963
Score: 12.5535
Type of gen. func.: ogf

$$-\frac{16 x^2 - 2 x + 1}{(x - 1) (-1 + 4 x) (16 x - 1)}$$

Sequence: A345963
Score: 6.48257
Type of gen. func.: ogf

$(16943 f(x) - 2588)$

$(64 f(x) x^3 - 84 f(x) x^2 + 21 f(x) x + 16 x^2 - f(x) - 2 x + 1)$

Sequence: A345963
Score: 7.18976
Type of gen. func.: ogf

$\{a(n + 3) - 21 a(n + 2) + 84 a(n + 1) - 64 a(n), a(0) = 1, a(1) = 19,$

$a(2) = 331\}$

Sequence: A346004
Score: 14.0515
Type of gen. func.: ogf

$$\frac{x (2 x^3 - x^2 - 2 x - 1)}{(x - 1)^3 (x + 1)^3}$$

Sequence: A346004
Score: 16.0236
Type of gen. func.: ogf

$$\frac{x (2 x^3 - x^2 - 2 x - 1)}{(x - 1)^3 (x + 1)^3}$$

Sequence: A346004
Score: 6.57083
Type of gen. func.: ogf

$\{-a(n+6) + 3\,a(n+4) - 3\,a(n+2) + a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 2,$

$a(3) = 4,\ a(4) = 4,\ a(5) = 9\}$

Sequence: A346005
Score: 8.53963
Type of gen. func.: ogf

$$\frac{x\,(3x^8 - 3x^7 + x^6 - 6x^5 + 4x^3 + 3x^2 + 3x + 1)}{(x-1)^4\,(x^2 + x + 1)^4}$$

Sequence: A346005
Score: 9.24393
Type of gen. func.: ogf

$$\frac{x\,(3x^8 - 3x^7 + x^6 - 6x^5 + 4x^3 + 3x^2 + 3x + 1)}{(x-1)^4\,(x^2 + x + 1)^4}$$

Sequence: A346006
Score: 5.32891
Type of gen. func.: ogf

$$x\,(4x^{15} - 6x^{14} + 4x^{13} - x^{12} - 12x^{11} + 6x^{10} + 12x^9 - 11x^8 + 12x^7 + 6x^6 - 12x^5 - 11x^4 - 4x^3 - 6x^2 - 4x - 1) \Big/ \left((x-1)^5\,(x+1)^5\,(x^2+1)^5\right)$$

Sequence: A346006
Score: 5.56444
Type of gen. func.: ogf

$$x\,(4x^{15} - 6x^{14} + 4x^{13} - x^{12} - 12x^{11} + 6x^{10} + 12x^9 - 11x^8 + 12x^7 + 6x^6 - 12x^5 - 11x^4 - 4x^3 - 6x^2 - 4x - 1) \Big/ \left((x-1)^5\,(x+1)^5\,(x^2+1)^5\right)$$

Sequence: A346047
Score: 11.4955
Type of gen. func.: ogf

$$f(x)^2 x^3 - f(x) x^3 + x^2 - f(x) + x + 1$$

Sequence: A346048
Score: 10.5166
Type of gen. func.: ogf

$$-f(x)^2 x^4 + f(x) x^4 - x^3 - x^2 + f(x) - x - 1$$

Sequence: A346054
Score: 13.0604
Type of gen. func.: ogf

$$-\frac{x - 1}{4 x^4 - 5 x^3 - 3 x^2 - x + 1}$$

Sequence: A346054
Score: 15.0318
Type of gen. func.: ogf

$$-\frac{x - 1}{4 x^4 - 5 x^3 - 3 x^2 - x + 1}$$

Sequence: A346054
Score: 5.99011
Type of gen. func.: ogf

{a(n + 4) - a(n + 3) - 3 a(n + 2) - 5 a(n + 1) + 4 a(n), a(0) = 1, a(1) = 0,

a(2) = 3, a(3) = 8}

Sequence: A346054
Score: 6.03549
Type of gen. func.: ogf

-(69597 f(x) - 2224)

$$(4 f(x) x^4 - 5 f(x) x^3 - 3 f(x) x^2 - f(x) x + f(x) + x - 1)$$

Sequence: A346075
Score: 6.16178
Type of gen. func.: ogf

$$(f(x) + 2) (f(x)^2 x^4 - f(x)^2 x^3 - f(x) x^4 + f(x) x^3 - f(x) x + f(x) - 1)$$

Sequence: A346102
Score: 8.50417
Type of gen. func.: ogf

$$- \frac{(2 x + 1) (3 x^4 + 9 x^2 + 1) (125 x^{24} + 5 x^{18} + 625 x^{12} + 25 x^6 + 1)}{(7 x^{15} - 1) (7 x^{15} + 1)}$$

Sequence: A346102
Score: 9.05729
Type of gen. func.: ogf

$$- \frac{(2 x + 1) (3 x^4 + 9 x^2 + 1) (125 x^{24} + 5 x^{18} + 625 x^{12} + 25 x^6 + 1)}{(7 x^{15} - 1) (7 x^{15} + 1)}$$

Sequence: A346174
Score: 13.4375
Type of gen. func.: ogf

$$\frac{x (4 x^4 - 8 x^3 + 6 x^2 - 2 x + 1)}{(-1 + 2 x)^4}$$

Sequence: A346174
Score: 15.4658
Type of gen. func.: ogf

4   3   2

$$\frac{x (4 x - 8 x + 6 x - 2 x + 1)}{(-1 + 2 x)^{4}}$$

Sequence: A346174
Score: 4.73808
Type of gen. func.: ogf

$$\{-a(n + 6) + 8 a(n + 5) - 24 a(n + 4) + 32 a(n + 3) - 16 a(n + 2), a(0) = 0, a(1) = 1, a(2) = 6, a(3) = 30, a(4) = 120, a(5) = 420\}$$

Sequence: A346178
Score: 11.0071
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n + 1), a(0) = 1, a(1) = 8\}$$

Sequence: A346178
Score: 15.5535
Type of gen. func.: ogf

$$-10 f(x) x + f(x) + 2 x - 1$$

Sequence: A346178
Score: 21.043
Type of gen. func.: ogf

$$\frac{-1 + 2 x}{10 x - 1}$$

Sequence: A346178
Score: 27.5178
Type of gen. func.: ogf

$$\frac{-1 + 2 x}{10 x - 1}$$

Sequence: A346197

Score: 2.54307
Type of gen. func.: ogf

$$\frac{2 x^{6} - 2 x^{4} - x^{3} + 6 x^{2} + 8 x + 7}{(x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A346197
Score: 2.80729
Type of gen. func.: ogf

$$\frac{2 x^{6} - 2 x^{4} - x^{3} + 6 x^{2} + 8 x + 7}{(x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A346224
Score: 3.51999
Type of gen. func.: ogf

$$\{-a(n + 1) n^{3} - 7 a(n + 1) n^{2} - 2 a(n + 2) n - 16 a(n + 1) n + 2 a(n + 3) - 6 a(n + 2) - 12 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 3\}$$

Sequence: A346258
Score: 16.2435
Type of gen. func.: egf]

$$\frac{(-1)^{1/3} \exp(x)}{(3 x - 1)^{1/3}}$$

Sequence: A346258
Score: 5.00657
Type of gen. func.: ogf

$$\{-3 a(n + 2) n + 3 a(n + 1) n + a(n + 3) - 8 a(n + 2) + 6 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 7\}$$

Sequence: A346273
Score: 11.91
Type of gen. func.: ogf

$$\frac{(x - 1) (x - 5)}{5 x^2 - 24 x + 1}$$

Sequence: A346273
Score: 13.9813
Type of gen. func.: ogf

$$\frac{(x - 1) (x - 5)}{5 x^2 - 24 x + 1}$$

Sequence: A346273
Score: 6.36772
Type of gen. func.: ogf

$$-(-37 + 224 f(x)) (5 f(x) x^2 - 24 f(x) x - x^2 + f(x) + 6 x - 5)$$

Sequence: A346273
Score: 6.43139
Type of gen. func.: ogf

$$\{a(n + 3) - 24 a(n + 2) + 5 a(n + 1), a(0) = 5, a(1) = 114, a(2) = 2712\}$$

Sequence: A346295
Score: 11.0964
Type of gen. func.: ogf

$$\frac{3 (5 x^2 - 5 x + 1)}{(-1 + 4 x) (-1 + 2 x) (x - 1)^2}$$

Sequence: A346295
Score: 12.5517
Type of gen. func.: ogf

$$\frac{3 (5 x^2 - 5 x + 1)}{(-1 + 4 x) (-1 + 2 x) (x - 1)^2}$$

Sequence: A346295
Score: 5.54821
Type of gen. func.: ogf

$$(553 f(x) + 6420)$$

$$(8 f(x) x^4 - 22 f(x) x^3 + 21 f(x) x^2 - 8 f(x) x - 15 x^2 + f(x) + 15 x - 3)$$

Sequence: A346295
Score: 5.54821
Type of gen. func.: ogf

$\{a(n + 4) - 8 a(n + 3) + 21 a(n + 2) - 22 a(n + 1) + 8 a(n), a(0) = 3, a(1) = 9,$

$a(2) = 24, a(3) = 69\}$

Sequence: A346310
Score: 11.2803
Type of gen. func.: ogf

$$- \frac{32 x^{21} - 32 x^{20} + 8 x^5 - 8 x^4 + 2 x - 3}{(x - 1)^2}$$

Sequence: A346310
Score: 12.6686
Type of gen. func.: ogf

$$- \frac{32 x^{21} - 32 x^{20} + 8 x^5 - 8 x^4 + 2 x - 3}{(x - 1)^2}$$

Sequence: A346317
Score: 12.338
Type of gen. func.: ogf

$$\frac{4 x^3 - 7 x^2 + 5 x - 1}{(-1 + 4 x) (-1 + 2 x)^2}$$

Sequence: A346317
Score: 14.2004
Type of gen. func.: ogf

$$\frac{4 x^3 - 7 x^2 + 5 x - 1}{(-1 + 4 x) (-1 + 2 x)^2}$$

Sequence: A346317
Score: 5.87985
Type of gen. func.: ogf

$\{a(n + 4) - 8 a(n + 3) + 20 a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 3,$

$a(2) = 11, a(3) = 40\}$

Sequence: A346317
Score: 6.06952
Type of gen. func.: ogf

$(68 f(x) - 127)$

$(16 f(x) x^3 - 20 f(x) x^2 - 4 x^3 + 8 f(x) x + 7 x^2 - f(x) - 5 x + 1)$

Sequence: A346318
Score: 6.83301
Type of gen. func.: ogf

$$\frac{96 x^6 - 256 x^5 + 298 x^4 - 201 x^3 + 75 x^2 - 14 x + 1}{(6 x - 1) (-1 + 4 x)^2 (-1 + 2 x)^3}$$

Sequence: A346318
Score: 7.39081
Type of gen. func.: ogf

$$\frac{96 x^6 - 256 x^5 + 298 x^4 - 201 x^3 + 75 x^2 - 14 x + 1}{(6 x - 1) (-1 + 4 x)^2 (-1 + 2 x)^3}$$

Sequence: A346370
Score: 7.90249
Type of gen. func.: ogf

$$- \frac{2 x^6 - 2 x^5 - 2 x^4 + 4 x^3 - x^2 + 5 x + 3}{(x^2 + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A346370
Score: 8.55424
Type of gen. func.: ogf

$$- \frac{2 x^6 - 2 x^5 - 2 x^4 + 4 x^3 - x^2 + 5 x + 3}{(x^2 + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A346375
Score: 12.4455
Type of gen. func.: ogf

$$\frac{35 x^2 - 32 x + 6}{(-1 + 4 x) (-1 + 2 x) (x - 1)^2}$$

Sequence: A346375
Score: 14.133
Type of gen. func.: ogf

$$\frac{35 x^2 - 32 x + 6}{(-1 + 4 x) (-1 + 2 x) (x - 1)^2}$$

```
Sequence:  A346375
Score: 5.67243
Type of gen. func.: ogf


(4603041 f(x) + 216043804)

             4            3            2                  2
    (8 f(x) x  - 22 f(x) x  + 21 f(x) x  - 8 f(x) x - 35 x  + f(x) + 32 x - 6)



------------------------------------------------------------------------------

Sequence:  A346375
Score: 5.9989
Type of gen. func.: ogf


{a(n + 4) - 8 a(n + 3) + 21 a(n + 2) - 22 a(n + 1) + 8 a(n), a(0) = 6,

    a(1) = 16, a(2) = 37, a(3) = 92}



------------------------------------------------------------------------------

Sequence:  A346376
Score: 12.6659
Type of gen. func.: ogf


                            4       3       2
                      4 (5 x  - 22 x  + 34 x  - 16 x - 7)
                      -----------------------------------
                                          5
                                   (x - 1)



------------------------------------------------------------------------------

Sequence:  A346376
Score: 14.4753
Type of gen. func.: ogf


                            4       3       2
                      4 (5 x  - 22 x  + 34 x  - 16 x - 7)
                      -----------------------------------
                                          5
                                   (x - 1)



------------------------------------------------------------------------------

Sequence:  A346376
Score: 4.57977
Type of gen. func.: ogf


{a(n + 5) - 5 a(n + 4) + 10 a(n + 3) - 10 a(n + 2) + 5 a(n + 1) - a(n),

    a(0) = 28, a(1) = 204, a(2) = 604, a(3) = 1348, a(4) = 2580}



------------------------------------------------------------------------------
```

Sequence: A346394
Score: 10.588
Type of gen. func.: egf]

(Pi + ln(x - 1) I) exp(2 x) I

Sequence: A346394
Score: 3.59887
Type of gen. func.: ogf

{4 a(n + 1) n + a(n + 3) n - 4 a(n + 2) n + 8 a(n + 1) - a(n + 4) + 7 a(n + 3)

- 14 a(n + 2), a(0) = 0, a(1) = 1, a(2) = 5, a(3) = 20}

Sequence: A346395
Score: 11.1333
Type of gen. func.: egf]

(Pi + ln(x - 1) I) exp(3 x) I

Sequence: A346395
Score: 3.76567
Type of gen. func.: ogf

{-9 a(n + 1) n - a(n + 3) n + 6 a(n + 2) n - 18 a(n + 1) + a(n + 4)

- 9 a(n + 3) + 24 a(n + 2), a(0) = 0, a(1) = 1, a(2) = 7, a(3) = 38}

Sequence: A346396
Score: 11.3605
Type of gen. func.: egf]

(Pi + ln(x - 1) I) exp(4 x) I

Sequence: A346396
Score: 3.80521
Type of gen. func.: ogf

{-16 a(n + 1) n - a(n + 3) n + 8 a(n + 2) n - 32 a(n + 1) + a(n + 4)

- 11 a(n + 3) + 36 a(n + 2), a(0) = 0, a(1) = 1, a(2) = 9, a(3) = 62}

Sequence: A346397
Score: 11.3827
Type of gen. func.: egf]

$$\exp(-2 x) (\pi + \ln(x - 1) I) I$$

Sequence: A346397
Score: 3.90749
Type of gen. func.: ogf

$$\{-4 a(n + 1) n - a(n + 3) n - 4 a(n + 2) n - 8 a(n + 1) + a(n + 4) + a(n + 3) - 6 a(n + 2), a(0) = 0, a(1) = 1, a(2) = -3, a(3) = 8\}$$

Sequence: A346398
Score: 11.3827
Type of gen. func.: egf]

$$(\pi + \ln(x - 1) I) \exp(-3 x) I$$

Sequence: A346398
Score: 3.86899
Type of gen. func.: ogf

$$\{-9 a(n + 1) n - a(n + 3) n - 6 a(n + 2) n - 18 a(n + 1) + a(n + 4) + 3 a(n + 3) - 6 a(n + 2), a(0) = 0, a(1) = 1, a(2) = -5, a(3) = 20\}$$

Sequence: A346401
Score: 2.69977
Type of gen. func.: ogf

$$\frac{2 x^5 + 2 x^4 - 2 x^3 - 19 x^2 + 8 x + 13}{(x + 1) (x - 1)^2}$$

Sequence: A346401
Score: 3.00397
Type of gen. func.: ogf

$$2 x^5 + 2 x^4 - 2 x^3 - 19 x^2 + 8 x + 13$$

$$\frac{}{(x+1)(x-1)^2}$$

Sequence: A346425
Score: 15.1534
Type of gen. func.: ogf

$$-\frac{x^{30}+x^9+x^3+2}{x-1}$$

Sequence: A346425
Score: 17.578
Type of gen. func.: ogf

$$-\frac{x^{30}+x^9+x^3+2}{x-1}$$

Sequence: A346432
Score: 17.3076
Type of gen. func.: egf]

$$\frac{(x-1)^2}{2x^2-4x+1}$$

Sequence: A346432
Score: 21.5033
Type of gen. func.: egf]

$$\frac{(x-1)^2}{2x^2-4x+1}$$

Sequence: A346432
Score: 7.54904
Type of gen. func.: egf]

$$(-9 + 41 f(x)) (2 f(x) x^2 - 4 f(x) x - x^2 + f(x) + 2 x - 1)$$

Sequence: A346458
Score: 4.97314
Type of gen. func.: ogf

$$\frac{15 x^5 + 14 x^4 + 13 x^3 + 12 x^2 + 11 x + 10}{(x - 1) (16 x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A346458
Score: 5.28396
Type of gen. func.: ogf

$$\frac{15 x^5 + 14 x^4 + 13 x^3 + 12 x^2 + 11 x + 10}{(x - 1) (16 x - 1) (x + 1) (x^2 + x + 1) (x^2 - x + 1)}$$

Sequence: A346459
Score: 9.38368
Type of gen. func.: ogf

$$x^3 (x^{26} + x^{20} + 1)$$

Sequence: A346461
Score: 11.4183
Type of gen. func.: ogf

$$\{a(n + 3) - 16 a(n), a(0) = 2, a(1) = 8, a(2) = 16\}$$

Sequence: A346461
Score: 15.9856
Type of gen. func.: ogf

$$- \frac{2 (8 x^2 + 4 x + 1)}{16 x^3 - 1}$$

Sequence: A346461
Score: 19.0305
Type of gen. func.: ogf

$$-\frac{2\,(8\,x^{2}+4\,x+1)}{16\,x^{3}-1}$$

Sequence: A346461
Score: 9.86767
Type of gen. func.: ogf

$$-(f(x)-2)\,(16\,f(x)\,x^{3}+16\,x^{2}-f(x)+8\,x+2)$$

Sequence: A346503
Score: 13.9701
Type of gen. func.: ogf

$$-f(x)^{2}\,x^{3}-f(x)\,x+f(x)+x-1$$

Sequence: A346503
Score: 9.46362
Type of gen. func.: ogf

$$\frac{(2\,x^{2}+x+1)^{1/2}\,(x-1)^{1/2}\,(-1+2\,x)^{1/2}-x+1}{2\,x^{3}}$$

Sequence: A346504
Score: 12.9759
Type of gen. func.: ogf

$$-f(x)^{2}\,x^{3}-f(x)\,x+x^{2}+f(x)-1$$

Sequence: A346505

Score: 10.7008
Type of gen. func.: ogf

$$f(x)^{2} x - 2 f(x) x^{2} + f(x) x - f(x) + 1$$

Sequence: A346505
Score: 9.69364
Type of gen. func.: ogf

$$\frac{(4 x^{3} + 5 x - 1)^{1/2} (x - 1)^{1/2} + 2 x^{2} - x + 1}{2 x}$$

Sequence: A346506
Score: 10.1202
Type of gen. func.: ogf

$$- \frac{-x^{2} + (x^{4} - 2 x^{3} + 3 x^{2} - 6 x + 1)^{1/2} + x - 1}{2 x}$$

Sequence: A346506
Score: 11.1716
Type of gen. func.: ogf

$$f(x)^{2} x - f(x) x^{2} + f(x) x - f(x) + 1$$

Sequence: A346513
Score: 10.3545
Type of gen. func.: ogf

$$\frac{(x - 1) (x^{2} + 2 x - 1)}{(x^{2} + 4 x - 1) (x^{2} - x - 1)}$$

Sequence: A346513
Score: 5.32309
Type of gen. func.: ogf

$$(2657 f(x) - 115)$$

$$(f(x) x^4 + 3 f(x) x^3 - 6 f(x) x^2 - x^3 - 3 f(x) x - x^2 + f(x) + 3 x - 1)$$

Sequence: A346513
Score: 5.64088
Type of gen. func.: ogf

$$\{a(n + 4) - 3 a(n + 3) - 6 a(n + 2) + 3 a(n + 1) + a(n), a(0) = 1, a(1) = 0, a(2) = 7, a(3) = 19\}$$

Sequence: A346513
Score: 9.33183
Type of gen. func.: ogf

$$\frac{(x - 1) (x^2 + 2 x - 1)}{(x^2 + 4 x - 1) (x^2 - x - 1)}$$

Sequence: A346514
Score: 12.7356
Type of gen. func.: ogf

$$\frac{111 x^4 - 235 x^3 - 179 x^2 + 727 x - 448}{(x - 1)^5}$$

Sequence: A346514
Score: 14.4624
Type of gen. func.: ogf

$$\frac{111 x^4 - 235 x^3 - 179 x^2 + 727 x - 448}{(x - 1)^5}$$

Sequence: A346514
Score: 4.74046
Type of gen. func.: ogf

$$\{a(n + 5) - 5 a(n + 4) + 10 a(n + 3) - 10 a(n + 2) + 5 a(n + 1) - a(n), a(0) = 448, a(1) = 1513, a(2) = 3264, a(3) = 5905, a(4) = 9664\}$$

Sequence: A346515
Score: 5.55939
Type of gen. func.: ogf

$$\{a(n + 3) n - a(n + 1) n + a(n + 3) - 17 a(n + 1), a(0) = 0, a(1) = 2027025, a(2) = 10321920\}$$

Sequence: A346515
Score: 6.58717
Type of gen. func.: ogf

$$315 x (429 x^7 - 3861 x^6 + 15345 x^5 - 35145 x^4 + 50535 x^3 - 46143 x^2 + 25147 x - 6435) / (x - 1)^9$$

Sequence: A346515
Score: 7.06192
Type of gen. func.: ogf

$$315 x (429 x^7 - 3861 x^6 + 15345 x^5 - 35145 x^4 + 50535 x^3 - 46143 x^2 + 25147 x - 6435) / (x - 1)^9$$

Sequence: A346626
Score: 14.1666
Type of gen. func.: ogf

$$-f(x)^3 x - f(x) x + f(x) - 1$$

Sequence: A346627
Score: 9.91006
Type of gen. func.: ogf

$$f(x)^3 x^2 + f(x)^3 x - f(x) x - f(x) + 1$$

Sequence: A346628
Score: 7.95661
Type of gen. func.: ogf

$$f(x)^3 x^3 + 2 f(x)^3 x^2 + f(x)^3 x - f(x) x - f(x) + 1$$

Sequence: A346629
Score: 10.1846
Type of gen. func.: ogf

$$\{-a(n + 3) + 10 a(n + 2), a(0) = 1, a(1) = 4, a(2) = 45\}$$

Sequence: A346629
Score: 15.888
Type of gen. func.: ogf

$$-\frac{(5 x - 1) (x - 1)}{10 x - 1}$$

Sequence: A346629
Score: 18.9142
Type of gen. func.: ogf

$$-\frac{(5 x - 1) (x - 1)}{10 x - 1}$$

Sequence: A346629
Score: 9.68778
Type of gen. func.: ogf

$$-(25 f(x) - 17) (10 f(x) x + 5 x^2 - f(x) - 6 x + 1)$$

Sequence: A346636
Score: 13.8834
Type of gen. func.: ogf

$$-\frac{x\,(x^3 + 7\,x^2 + 11\,x + 1)}{(x - 1)^5}$$

Sequence: A346636
Score: 16.1047
Type of gen. func.: ogf

$$-\frac{x\,(x^3 + 7\,x^2 + 11\,x + 1)}{(x - 1)^5}$$

Sequence: A346636
Score: 4.7647
Type of gen. func.: ogf

$$\{-a(n + 5) + 5\,a(n + 4) - 10\,a(n + 3) + 10\,a(n + 2) - 5\,a(n + 1) + a(n),$$

$$a(0) = 0,\ a(1) = 1,\ a(2) = 16,\ a(3) = 77,\ a(4) = 236\}$$

Sequence: A346637
Score: 12.5656
Type of gen. func.: ogf

$$\frac{x\,(x^4 + 21\,x^3 + 66\,x^2 + 26\,x + 1)}{(x - 1)^6}$$

Sequence: A346637
Score: 14.3607
Type of gen. func.: ogf

$$\frac{x\,(x^4 + 21\,x^3 + 66\,x^2 + 26\,x + 1)}{(x - 1)^6}$$

Sequence: A346637

Score: 3.92291
Type of gen. func.: ogf

$$\{-a(n+6) + 6\,a(n+5) - 15\,a(n+4) + 20\,a(n+3) - 15\,a(n+2) + 6\,a(n+1) - a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 32,\ a(3) = 243,\ a(4) = 1019,\ a(5) = 3095\}$$

Sequence: A346638
Score: 10.0314
Type of gen. func.: ogf

$$-\frac{x\,(x^5 + 51\,x^4 + 302\,x^3 + 302\,x^2 + 57\,x + 1)}{(x-1)^7}$$

Sequence: A346638
Score: 11.1617
Type of gen. func.: ogf

$$-\frac{x\,(x^5 + 51\,x^4 + 302\,x^3 + 302\,x^2 + 57\,x + 1)}{(x-1)^7}$$

Sequence: A346642
Score: 10.3453
Type of gen. func.: ogf

$$-\frac{x\,(8\,x^5 + 179\,x^4 + 584\,x^3 + 424\,x^2 + 64\,x + 1)}{(x-1)^9}$$

Sequence: A346642
Score: 9.31074
Type of gen. func.: ogf

$$-\frac{x\,(8\,x^5 + 179\,x^4 + 584\,x^3 + 424\,x^2 + 64\,x + 1)}{(x-1)^9}$$

Sequence: A346657
Score: 3.7741
Type of gen. func.: ogf

$$-(x^{28}+x^{23}-x^{22}-x^{19}+x^{18}+x^{15}-x^{14}+x^{11}+11 x^{9}-x^{8}-x^{7}-2 x^{6}-x^{5}-x^{4}-x^{3}-2 x^{2}-x-13) / ((x^{2}+x+1) (x^{6}+x^{3}+1) (x-1)^{2})$$

Sequence: A346657
Score: 3.9172
Type of gen. func.: ogf

$$-(x^{28}+x^{23}-x^{22}-x^{19}+x^{18}+x^{15}-x^{14}+x^{11}+11 x^{9}-x^{8}-x^{7}-2 x^{6}-x^{5}-x^{4}-x^{3}-2 x^{2}-x-13) / ((x^{2}+x+1) (x^{6}+x^{3}+1) (x-1)^{2})$$

Sequence: A346663
Score: 11.3181
Type of gen. func.: ogf

$$f(x) x^{3}-f(x) x^{2}-f(x) x-2 x^{2}+f(x)$$

Sequence: A346663
Score: 22.3601
Type of gen. func.: ogf

$$\frac{2 x^{2}}{(x+1) (x-1)^{2}}$$

Sequence: A346663
Score: 27.7808
Type of gen. func.: ogf

$$\frac{2 x^{2}}{{}^{2}}$$

```
                                (x + 1) (x - 1)



-------------------------------------------------------------------------------

Sequence:  A346663
Score: 8.9879
Type of gen. func.: ogf


     {a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 0, a(1) = 0, a(2) = 2}



-------------------------------------------------------------------------------

Sequence:  A346664
Score: 4.55899
Type of gen. func.: ogf


           -1                   256 x
hypergeom([--, 5/24], [2/3], ----------)
           24                 27 (x + 1)

                     13            256 x
    hypergeom([7/24, --], [4/3], ----------)/(x + 1)
                     24          27 (x + 1)



-------------------------------------------------------------------------------

Sequence:  A346733
Score: 15.6972
Type of gen. func.: ogf


                           2                      3  3
                          x  + x + 1 - f(x) + f(x)  x



-------------------------------------------------------------------------------

Sequence:  A346734
Score: 13.6559
Type of gen. func.: ogf


                         3    2                        3  4
                       -x  - x  - x - 1 + f(x) - f(x)  x



-------------------------------------------------------------------------------

Sequence:  A346762
Score: 7.78923
Type of gen. func.: ogf


                   3  3         3  2       3
            -4 f(x)  x  + 4 f(x)  x  - f(x)  x - 2 f(x) x + f(x) - 1



-------------------------------------------------------------------------------

Sequence:  A346763
```

Score: 8.18529
Type of gen. func.: ogf

$$9 f(x)^3 x^3 - 6 f(x)^3 x^2 + f(x)^3 x + 3 f(x) x - f(x) + 1$$

Sequence: A346796
Score: 10.6264
Type of gen. func.: ogf

$$-\frac{2 x}{(x - 1) (3 x - 1) (7 x - 1)}$$

Sequence: A346796
Score: 12.5155
Type of gen. func.: ogf

$$-\frac{2 x}{(x - 1) (3 x - 1) (7 x - 1)}$$

Sequence: A346796
Score: 5.26353
Type of gen. func.: ogf

{-a(n + 3) + 11 a(n + 2) - 31 a(n + 1) + 21 a(n), a(0) = 0, a(1) = 2, a(2) = 22

}

Sequence: A346796
Score: 5.46794
Type of gen. func.: ogf

$$(11 f(x) + 2) (21 f(x) x^3 - 31 f(x) x^2 + 11 f(x) x - f(x) + 2 x)$$

Sequence: A346797
Score: 7.93114
Type of gen. func.: ogf_with_Euler_transform]

```
             5    3
        x (x  + x  + 1)
  - ----------------------------------------
         6    5    4    3    2
```

$$(x - 1) (x + x + x + x + x + x + 1)$$

Sequence: A346798
Score: 7.99912
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x^{2} (x^{4} + x + 1)}{(x - 1) (x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1)}$$

Sequence: A346803
Score: 10.5366
Type of gen. func.: ogf

$$-\frac{x^{8} - x^{7} + x^{6} - x^{5} + 2 x^{4} - x^{2} + 61 x - 63}{(x - 1)^{2}}$$

Sequence: A346803
Score: 9.56771
Type of gen. func.: ogf

$$-\frac{x^{8} - x^{7} + x^{6} - x^{5} + 2 x^{4} - x^{2} + 61 x - 63}{(x - 1)^{2}}$$

Sequence: A346804
Score: 10.3962
Type of gen. func.: ogf

$$-\frac{x^{7} - x^{6} + x^{5} - x^{4} + 2 x^{3} + 2 x^{2} + 35 x - 40}{(x - 1)^{2}}$$

Sequence: A346804
Score: 9.44023
Type of gen. func.: ogf

$$-\frac{x^7 - x^6 + x^5 - x^4 + 2 x^3 + 2 x^2 + 35 x - 40}{(x - 1)^2}$$

Sequence: A346805
Score: 10.5634
Type of gen. func.: ogf

$$-\frac{x^8 - x^7 + x^6 - x^5 + x^4 + x^3 + 46 x - 49}{(x - 1)^2}$$

Sequence: A346805
Score: 9.59204
Type of gen. func.: ogf

$$-\frac{x^8 - x^7 + x^6 - x^5 + x^4 + x^3 + 46 x - 49}{(x - 1)^2}$$

Sequence: A346806
Score: 8.10919
Type of gen. func.: ogf

$$-\frac{x^9 - x^8 + x^7 - x^6 + x^5 - x^4 + x^3 - x^2 + 56 x - 57}{(x - 1)^2}$$

Sequence: A346806
Score: 8.79207
Type of gen. func.: ogf

$$-\frac{x^9 - x^8 + x^7 - x^6 + x^5 - x^4 + x^3 - x^2 + 56 x - 57}{(x - 1)^2}$$

Sequence: A346807

Score: 10.5293
Type of gen. func.: ogf

$$-\frac{x^8 - x^7 + x^6 - x^5 + x^4 + x^3 + 55 x - 58}{(x - 1)^2}$$

Sequence: A346807
Score: 9.56112
Type of gen. func.: ogf

$$-\frac{x^8 - x^7 + x^6 - x^5 + x^4 + x^3 + 55 x - 58}{(x - 1)^2}$$

Sequence: A346808
Score: 10.581
Type of gen. func.: ogf

$$-\frac{x^7 - x^6 + x^5 - x^4 + x^3 + x^2 + 58 x - 61}{(x - 1)^2}$$

Sequence: A346808
Score: 9.60799
Type of gen. func.: ogf

$$-\frac{x^7 - x^6 + x^5 - x^4 + x^3 + x^2 + 58 x - 61}{(x - 1)^2}$$

Sequence: A346845
Score: 8.19679
Type of gen. func.: egf]

$$\frac{3 \ln(x + 1) x + 3 \ln(x + 1) - x + 1}{(x - 1)^4 (x + 1)}$$

Sequence: A346846
Score: 8.14009
Type of gen. func.: egf]

$$-\frac{4\ln(x+1)\,x+4\ln(x+1)-x+1}{(x-1)^{5}\,(x+1)}$$

Sequence: A346847
Score: 8.83246
Type of gen. func.: egf]

$$\frac{5\ln(x+1)\,x+5\ln(x+1)-x+1}{(x-1)^{6}\,(x+1)}$$

Sequence: A346896
Score: 23.1709
Type of gen. func.: egf]

$$\frac{1}{(1-12x)^{\left(\frac{11}{12}\right)}}$$

Sequence: A346896
Score: 6.97619
Type of gen. func.: ogf

$$\{-12\,a(n+1)\,n+a(n+2)-23\,a(n+1),\ a(0)=1,\ a(1)=11\}$$

Sequence: A346943
Score: 4.98352
Type of gen. func.: ogf

$$\{-a(n+1)\,n^{2}-7\,a(n+1)\,n+a(n+3)-a(n+2)-12\,a(n+1),\ a(0)=1,\ a(1)=1,\ a(2)=7\}$$

Sequence: A346949
Score: 6.57034
Type of gen. func.: ogf

$$\{4\, a(n+1)\, n^{2} + 22\, a(n+1)\, n - a(n+2) + 30\, a(n+1),\ a(0) = 4,\ a(1) = 48\}$$

Sequence: A347011
Score: 23.416
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x - 1}{-1 + 2\, x}$$

Sequence: A347012
Score: 15.3765
Type of gen. func.: egf]

$$\frac{(-1)^{1/4} \exp(x)}{(-1 + 4\, x)^{1/4}}$$

Sequence: A347012
Score: 4.7071
Type of gen. func.: ogf

$$\{-4\, a(n+2)\, n + 4\, a(n+1)\, n + a(n+3) - 10\, a(n+2) + 8\, a(n+1),\ a(0) = 1,\ a(1) = 2,\ a(2) = 8\}$$

Sequence: A347013
Score: 16.2271
Type of gen. func.: egf]

$$\frac{(-1)^{1/5} \exp(x)}{(5\, x - 1)^{1/5}}$$

Sequence: A347013
Score: 4.93392
Type of gen. func.: ogf

{-5 a(n + 2) n + 5 a(n + 1) n + a(n + 3) - 12 a(n + 2) + 10 a(n + 1), a(0) = 1,

a(1) = 2, a(2) = 9}

Sequence: A347014
Score: 15.0299
Type of gen. func.: egf]

$$\frac{(-1)^{1/6}\exp(x)}{(6x-1)^{1/6}}$$

Sequence: A347014
Score: 4.53924
Type of gen. func.: ogf

{-6 a(n + 2) n + 6 a(n + 1) n + a(n + 3) - 14 a(n + 2) + 12 a(n + 1), a(0) = 1,

a(1) = 2, a(2) = 10}

Sequence: A347017
Score: 10.7892
Type of gen. func.: ogf

$$-\frac{x^5+4x^4-10x^3+10x^2-5x+1}{(-1+2x)(x-1)^4}$$

Sequence: A347017
Score: 11.9401
Type of gen. func.: ogf

$$-\frac{x^5+4x^4-10x^3+10x^2-5x+1}{(-1+2x)(x-1)^4}$$

Sequence: A347017
Score: 4.78881
Type of gen. func.: ogf

$\{-a(n + 6) + 6 a(n + 5) - 14 a(n + 4) + 16 a(n + 3) - 9 a(n + 2) + 2 a(n + 1),$

$a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 4, a(4) = 7, a(5) = 12\}$

Sequence: A347018
Score: 4.34692
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^{13} + x^{12} - x^{11} - x^9 - 3 x^8 - 2 x^5 - x^4 - 2 x^2 + 1)}{(x^5 - x^4 - x^3 + x^2 - 2 x + 1) (x^{10} - x^8 - x^6 + x^4 - 2 x^2 + 1)}$$

Sequence: A347018
Score: 4.5349
Type of gen. func.: ogf

$$-\frac{(x - 1) (x^{13} + x^{12} - x^{11} - x^9 - 3 x^8 - 2 x^5 - x^4 - 2 x^2 + 1)}{(x^5 - x^4 - x^3 + x^2 - 2 x + 1) (x^{10} - x^8 - x^6 + x^4 - 2 x^2 + 1)}$$

Sequence: A347051
Score: 5.03862
Type of gen. func.: ogf

$\{a(n + 2) n^2 + 7 a(n + 2) n - a(n + 3) + 12 a(n + 2) + a(n + 1), a(0) = 1,$

$a(1) = 2, a(2) = 13\}$

Sequence: A347107
Score: 10.5983
Type of gen. func.: ogf

$$-\frac{x^2 (x^5 + 64 x^4 + 424 x^3 + 584 x^2 + 179 x + 8)}{(x - 1)^9}$$

Sequence: A347107
Score: 9.53844

Type of gen. func.: ogf

$$-\frac{x^2 (x^5 + 64 x^4 + 424 x^3 + 584 x^2 + 179 x + 8)}{(x - 1)^9}$$

Sequence: A347189
Score: 3.53333
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^2 - 2 f(x) x + f(x) - 1)^2$$

Sequence: A347276
Score: 8.46206
Type of gen. func.: egf]

$$\ln(x + 1)^3 + 11/2 \ln(x + 1)^2 + 6 \ln(x + 1) + 1$$

Sequence: A347319
Score: 14.5961
Type of gen. func.: ogf

$$-\frac{3 x^4 + 36 x^3 + 10 x^2 - 2 x + 1}{(x - 1)^5}$$

Sequence: A347319
Score: 16.7192
Type of gen. func.: ogf

$$-\frac{3 x^4 + 36 x^3 + 10 x^2 - 2 x + 1}{(x - 1)^5}$$

Sequence: A347319
Score: 5.40914
Type of gen. func.: ogf

$\{a(n + 5) - 5 a(n + 4) + 10 a(n + 3) - 10 a(n + 2) + 5 a(n + 1) - a(n),$

$a(0) = 1, a(1) = 3, a(2) = 15, a(3) = 91, a(4) = 333\}$

Sequence: A347365
Score: 15.0131
Type of gen. func.: ogf

$$\frac{x (3 x^2 + 2 x + 3)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A347365
Score: 17.4643
Type of gen. func.: ogf

$$\frac{x (3 x^2 + 2 x + 3)}{(x - 1)^2 (x + 1)^2}$$

Sequence: A347365
Score: 8.3897
Type of gen. func.: ogf

$$-(4 f(x) - 23) (f(x) x^4 - 2 f(x) x^2 - 3 x^3 - 2 x^2 + f(x) - 3 x)$$

Sequence: A347365
Score: 8.82216
Type of gen. func.: ogf

$\{-a(n + 4) + 2 a(n + 2) - a(n), a(0) = 0, a(1) = 3, a(2) = 2, a(3) = 9\}$

Sequence: A347477
Score: 19.3366
Type of gen. func.: ogf

$$\frac{x (4 x^3 - 7 x - 1)}{{}^{2}}$$

$$(-1 + 2 x) (x - 1)$$

Sequence: A347477
Score: 22.4936
Type of gen. func.: ogf

$$\frac{x (4 x^3 - 7 x - 1)}{(-1 + 2 x) (x - 1)^2}$$

Sequence: A347477
Score: 7.98687
Type of gen. func.: ogf

{a(n + 5) - 4 a(n + 4) + 5 a(n + 3) - 2 a(n + 2), a(0) = 0, a(1) = 1, a(2) = 11,

a(3) = 39, a(4) = 99}

Sequence: A347477
Score: 9.03433
Type of gen. func.: ogf

$$(1025 f(x) - 33644) (2 f(x) x^3 - 4 x^4 - 5 f(x) x^2 + 4 f(x) x + 7 x^2 - f(x) + x)$$

Sequence: A347478
Score: 11.3639
Type of gen. func.: ogf

{a(n + 2) - 4 a(n + 1), a(0) = 15, a(1) = 64}

Sequence: A347478
Score: 16.3048
Type of gen. func.: ogf

$$-4 f(x) x + f(x) - 4 x - 15$$

Sequence: A347478
Score: 19.7374
Type of gen. func.: ogf

$$-\frac{15 + 4 x}{-1 + 4 x}$$

Sequence: A347478
Score: 25.0007
Type of gen. func.: ogf

$$-\frac{15 + 4 x}{-1 + 4 x}$$

Sequence: A347481
Score: 3.8968
Type of gen. func.: ogf

$$\{-a(n + 6) + 4 a(n + 5) - 5 a(n + 4) + 3 a(n + 3) - 2 a(n + 2) - a(n + 1) + 2 a(n), a(0) = 4, a(1) = 10, a(2) = 25, a(3) = 54, a(4) = 104, a(5) = 205\}$$

Sequence: A347481
Score: 6.6945
Type of gen. func.: ogf

$$-\frac{8 x^5 - 9 x^4 - 8 x^3 + 5 x^2 - 6 x + 4}{(x - 1) (-1 + 2 x) (x^2 + 1) (x^2 + x - 1)}$$

Sequence: A347481
Score: 7.18584
Type of gen. func.: ogf

$$-\frac{8 x^5 - 9 x^4 - 8 x^3 + 5 x^2 - 6 x + 4}{(x - 1) (-1 + 2 x) (x^2 + 1) (x^2 + x - 1)}$$

Sequence: A347493
Score: 14.7934
Type of gen. func.: ogf

$$\frac{x - 1}{(x + 1) (x^3 - x^2 + 2 x - 1)}$$

Sequence: A347493
Score: 17.0264
Type of gen. func.: ogf

$$\frac{x - 1}{(x + 1) (x^3 - x^2 + 2 x - 1)}$$

Sequence: A347493
Score: 7.84694
Type of gen. func.: ogf

$\{a(n + 4) - a(n + 3) - a(n + 2) - a(n), a(0) = 1, a(1) = 0, a(2) = 1, a(3) = 1\}$

Sequence: A347493
Score: 8.76115
Type of gen. func.: ogf

$$(7 f(x) - 5) (f(x) x^4 + f(x) x^2 + f(x) x - f(x) - x + 1)$$

Sequence: A347501
Score: 10.4908
Type of gen. func.: ogf

$$\{a(n + 2) - 5 a(n + 1), a(0) = 17, a(1) = 81\}$$

Sequence: A347501
Score: 15.052
Type of gen. func.: ogf

$$-5 f(x) x + f(x) + 4 x - 17$$

Sequence: A347501

Score: 20.3645
Type of gen. func.: ogf

$$\frac{-17 + 4 x}{5 x - 1}$$

Sequence: A347501
Score: 26.6305
Type of gen. func.: ogf

$$\frac{-17 + 4 x}{5 x - 1}$$

Sequence: A347502
Score: 10.5791
Type of gen. func.: ogf

$$\frac{x (4 x^6 - 10 x^5 + 8 x^4 - 2 x^3 - 3 x + 1)}{(-1 + 2 x) (x - 1)^2}$$

Sequence: A347502
Score: 9.54698
Type of gen. func.: ogf

$$\frac{x (4 x^6 - 10 x^5 + 8 x^4 - 2 x^3 - 3 x + 1)}{(-1 + 2 x) (x - 1)^2}$$

Sequence: A347503
Score: 5.21008
Type of gen. func.: ogf

$\{a(n + 5) - 4 a(n + 4) + 4 a(n + 3) + a(n + 1) - 2 a(n), a(0) = 5, a(1) = 13,$

$a(2) = 29, a(3) = 57, a(4) = 115\}$

Sequence: A347503
Score: 7.78933
Type of gen. func.: ogf

$$-\frac{8x^4 - 7x^3 - 3x^2 - 7x + 5}{(x-1)(-1+2x)(x^3 + x^2 + x - 1)}$$

Sequence: A347503
Score: 8.45938
Type of gen. func.: ogf

$$-\frac{8x^4 - 7x^3 - 3x^2 - 7x + 5}{(x-1)(-1+2x)(x^3 + x^2 + x - 1)}$$

Sequence: A347512
Score: 14.4393
Type of gen. func.: ogf

$$\frac{2x^2 - 11x + 6}{(-1+2x)(x-1)}$$

Sequence: A347512
Score: 16.9505
Type of gen. func.: ogf

$$\frac{2x^2 - 11x + 6}{(-1+2x)(x-1)}$$

Sequence: A347512
Score: 7.87597
Type of gen. func.: ogf

$$-(f(x) + 43)(2 f(x) x^2 - 3 f(x) x - 2x^2 + f(x) + 11x - 6)$$

Sequence: A347512
Score: 8.20759
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 2 a(n + 1), a(0) = 6, a(1) = 7, a(2) = 11\}$$

Sequence: A347513
Score: 11.3126
Type of gen. func.: ogf

$$\frac{2 x^6 - 6 x^5 + 8 x^4 - 7 x^3 + 4 x^2 - x - 1}{(x - 1)^3}$$

Sequence: A347513
Score: 12.7049
Type of gen. func.: ogf

$$\frac{2 x^6 - 6 x^5 + 8 x^4 - 7 x^3 + 4 x^2 - x - 1}{(x - 1)^3}$$

Sequence: A347513
Score: 5.03549
Type of gen. func.: ogf

$$\{a(n + 7) - 3 a(n + 6) + 3 a(n + 5) - a(n + 4), a(0) = 1, a(1) = 4, a(2) = 5,$$

$$a(3) = 11, a(4) = 14, a(5) = 20, a(6) = 27\}$$

Sequence: A347525
Score: 14.2593
Type of gen. func.: ogf

$$\frac{8 x^4 - 21 x^3 + 16 x^2 + x + 2}{(x - 1)^2}$$

Sequence: A347525
Score: 16.496
Type of gen. func.: ogf

4   3   2

$$\frac{8 x - 21 x + 16 x + x + 2}{(x - 1)^2}$$

Sequence: A347525
Score: 6.73039
Type of gen. func.: ogf

$$-(48432 f(x) + 2639203)$$

$$(-8 x^4 + f(x) x^2 + 21 x^3 - 2 f(x) x - 16 x^2 + f(x) - x - 2)$$

Sequence: A347525
Score: 6.95288
Type of gen. func.: ogf

$\{-a(n + 5) + 2 a(n + 4) - a(n + 3), a(0) = 2, a(1) = 5, a(2) = 24, a(3) = 22, a(4) = 28\}$

Sequence: A347527
Score: 17.0824
Type of gen. func.: ogf

$$\frac{x^{15} + x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A347527
Score: 20.0532
Type of gen. func.: ogf

$$\frac{x^{15} + x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A347535
Score: 15.5005
Type of gen. func.: ogf

$$\frac{2 x^4 - 5 x^3 + 3 x^2 - 2}{(x - 1)^3}$$

Sequence: A347535
Score: 18.2561
Type of gen. func.: ogf

$$\frac{2 x^4 - 5 x^3 + 3 x^2 - 2}{(x - 1)^3}$$

Sequence: A347535
Score: 5.95308
Type of gen. func.: ogf

$\{a(n + 5) - 3 a(n + 4) + 3 a(n + 3) - a(n + 2), a(0) = 2, a(1) = 6, a(2) = 9,$

$a(3) = 16, a(4) = 25\}$

Sequence: A347535
Score: 6.41816
Type of gen. func.: ogf

$(556 f(x) - 7779)$

$(f(x) x^3 - 2 x^4 - 3 f(x) x^2 + 5 x^3 + 3 f(x) x - 3 x^2 - f(x) + 2)$

Sequence: A347536
Score: 13.5071
Type of gen. func.: ogf

$$\frac{3 (x^4 - 3 x^3 + 3 x^2 - 2 x - 1)}{(x - 1)^3}$$

Sequence: A347536
Score: 15.5459
Type of gen. func.: ogf

$$\frac{3\,(x^4 - 3\,x^3 + 3\,x^2 - 2\,x - 1)}{(x - 1)^3}$$

Sequence: A347536
Score: 5.88523
Type of gen. func.: ogf

$\{a(n + 5) - 3\,a(n + 4) + 3\,a(n + 3) - a(n + 2),\ a(0) = 3,\ a(1) = 15,\ a(2) = 27,$

$a(3) = 48,\ a(4) = 75\}$

Sequence: A347536
Score: 6.19497
Type of gen. func.: ogf

$(508\,f(x) - 20385)$

$(f(x)\,x^3 - 3\,x^4 - 3\,f(x)\,x^2 + 9\,x^3 + 3\,f(x)\,x - 9\,x^2 - f(x) + 6\,x + 3)$

Sequence: A347538
Score: 7.18147
Type of gen. func.: ogf

$$- \frac{2\,x^8 + x^7 + 3\,x^6 - 7\,x^5 - 4\,x^4 - 6\,x^3 + 5\,x^2 + 6\,x + 3}{(x - 1)^3\,(x^2 + x + 1)^3}$$

Sequence: A347538
Score: 7.72863
Type of gen. func.: ogf

$$- \frac{2\,x^8 + x^7 + 3\,x^6 - 7\,x^5 - 4\,x^4 - 6\,x^3 + 5\,x^2 + 6\,x + 3}{(x - 1)^3\,(x^2 + x + 1)^3}$$

Sequence: A347551
Score: 13.6255
Type of gen. func.: ogf

$$-\frac{34 x^{3} + 8 x^{2} - 51 x - 4}{(2 x^{2} - 1)^{2}}$$

Sequence: A347551
Score: 15.7629
Type of gen. func.: ogf

$$-\frac{34 x^{3} + 8 x^{2} - 51 x - 4}{(2 x^{2} - 1)^{2}}$$

Sequence: A347551
Score: 7.44358
Type of gen. func.: ogf

$$(32 f(x) + 19073) (4 f(x) x^{4} - 4 f(x) x^{2} + 34 x^{3} + 8 x^{2} + f(x) - 51 x - 4)$$

Sequence: A347551
Score: 7.95947
Type of gen. func.: ogf

$$\{-a(n + 4) + 4 a(n + 2) - 4 a(n), a(0) = 4, a(1) = 51, a(2) = 8, a(3) = 170\}$$

Sequence: A347553
Score: 14.4184
Type of gen. func.: ogf

$$\frac{2 x^{4} - 5 x^{3} + 4 x^{2} - x - 1}{(x - 1)^{3}}$$

Sequence: A347553
Score: 16.7725
Type of gen. func.: ogf

4   3   2

$$\frac{2 x - 5 x + 4 x - x - 1}{(x - 1)^{3}}$$

Sequence: A347553
Score: 5.99891
Type of gen. func.: ogf

$\{-a(n + 5) + 3 a(n + 4) - 3 a(n + 3) + a(n + 2), a(0) = 1, a(1) = 4, a(2) = 5, a(3) = 9, a(4) = 14\}$

Sequence: A347553
Score: 6.32193
Type of gen. func.: ogf

$$(17 f(x) - 199) (f(x) x^{3} - 2 x^{4} - 3 f(x) x^{2} + 5 x^{3} + 3 f(x) x - 4 x^{2} - f(x) + x + 1)$$

Sequence: A347558
Score: 8.75454
Type of gen. func.: ogf

$$\frac{x^{9} - 2 x^{7} + x^{6} - x^{5} - 2 x^{4} - x^{2} + 6 x + 2}{(x - 1)^{2} (x + 1)^{2}}$$

Sequence: A347558
Score: 9.57849
Type of gen. func.: ogf

$$\frac{x^{9} - 2 x^{7} + x^{6} - x^{5} - 2 x^{4} - x^{2} + 6 x + 2}{(x - 1)^{2} (x + 1)^{2}}$$

Sequence: A347559
Score: 5.66087
Type of gen. func.: ogf

$$(3 x^{12} - 4 x^{11} - 2 x^{10} - 7 x^{8} + 8 x^{7} + 12 x^{6} - 8 x^{5} + 13 x^{4} - 4 x^{3} - 10 x^{2} - 24 x - 9) / ((x - 1)^{3} (x + 1)^{3} (x^{2} + 1)^{3})$$

Sequence: A347559
Score: 5.98434
Type of gen. func.: ogf

$$(3 x^{12} - 4 x^{11} - 2 x^{10} - 7 x^{8} + 8 x^{7} + 12 x^{6} - 8 x^{5} + 13 x^{4} - 4 x^{3} - 10 x^{2} - 24 x - 9) / ((x - 1)^{3} (x + 1)^{3} (x^{2} + 1)^{3})$$

Sequence: A347586
Score: 7.14509
Type of gen. func.: ogf

$$\frac{x^{10} - x^{9} + x^{6} + x^{5} - x^{4} - x^{2} + 1}{(x^{2} + 1) (x^{2} + x + 1) (x + 1)^{2} (x - 1)^{4}}$$

Sequence: A347586
Score: 7.6295
Type of gen. func.: ogf

$$\frac{x^{10} - x^{9} + x^{6} + x^{5} - x^{4} - x^{2} + 1}{(x^{2} + 1) (x^{2} + x + 1) (x + 1)^{2} (x - 1)^{4}}$$

Sequence: A347587
Score: 5.42044
Type of gen. func.: ogf

$$- \frac{x^{14} - x^{11} + x^{7} + x^{6} - x^{4} - x^{2} + 1}{(x^{2} + x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{2} + 1) (x + 1)^{2} (x - 1)^{5}}$$

Sequence: A347587
Score: 5.69317
Type of gen. func.: ogf

$$-\frac{x^{14}-x^{11}+x^{7}+x^{6}-x^{4}-x^{2}+1}{(x^{2}+x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{2}+1)\,(x+1)^{2}\,(x-1)^{5}}$$

Sequence: A347588
Score: 3.87108
Type of gen. func.: ogf

$$(x^{21}-x^{20}+x^{17}+x^{14}-x^{13}-x^{12}-x^{11}+x^{10}+x^{8}+x^{7}-x^{4}-x^{2}+1) \Big/ \Big((x^{2}-x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{2}+1)\,(x^{2}+x+1)^{2}\,(x+1)^{3}\,(x-1)^{6} \Big)$$

Sequence: A347588
Score: 4.00631
Type of gen. func.: ogf

$$(x^{21}-x^{20}+x^{17}+x^{14}-x^{13}-x^{12}-x^{11}+x^{10}+x^{8}+x^{7}-x^{4}-x^{2}+1) \Big/ \Big((x^{2}-x+1)\,(x^{4}+x^{3}+x^{2}+x+1)\,(x^{2}+1)\,(x^{2}+x+1)^{2}\,(x+1)^{3}\,(x-1)^{6} \Big)$$

Sequence: A347595
Score: 10.7395
Type of gen. func.: ogf

$$-\frac{19\,x^{6}-50\,x^{5}+36\,x^{4}+2\,x^{3}-7\,x^{2}+3\,x-1}{(2\,x-1)\,(x-1)^{3}}$$

Sequence: A347595
Score: 4.95671

Type of gen. func.: ogf

$$\{a(n + 7) - 5 a(n + 6) + 9 a(n + 5) - 7 a(n + 4) + 2 a(n + 3), a(0) = 1,$$
$$a(1) = 2, a(2) = 8, a(3) = 27, a(4) = 39, a(5) = 54, a(6) = 73\}$$

Sequence: A347595
Score: 9.80567
Type of gen. func.: ogf

$$- \frac{19 x^6 - 50 x^5 + 36 x^4 + 2 x^3 - 7 x^2 + 3 x - 1}{(2 x - 1) (x - 1)^3}$$

Sequence: A347596
Score: 12.6033
Type of gen. func.: ogf

$$- \frac{4 x^3 - 2 x^2 + x - 1}{4 x^2 + 1}$$

Sequence: A347596
Score: 14.661
Type of gen. func.: ogf

$$- \frac{4 x^3 - 2 x^2 + x - 1}{4 x^2 + 1}$$

Sequence: A347596
Score: 8.25735
Type of gen. func.: ogf

$$-(4 f(x) - 5) (4 f(x) x^2 + 4 x^3 - 2 x^2 + f(x) + x - 1)$$

Sequence: A347596
Score: 8.25735
Type of gen. func.: ogf

{-a(n + 4) - 4 a(n + 2), a(0) = 1, a(1) = -1, a(2) = -2, a(3) = 0}

Sequence: A347629
Score: 7.79461
Type of gen. func.: ogf

$$-\frac{x^8+x^6-2x^5-x^4-2x^3+x^2+x+2}{(x-1)^3(x^2+x+1)^3}$$

Sequence: A347629
Score: 8.43747
Type of gen. func.: ogf

$$-\frac{x^8+x^6-2x^5-x^4-2x^3+x^2+x+2}{(x-1)^3(x^2+x+1)^3}$$

Sequence: A347633
Score: 7.18108
Type of gen. func.: ogf

$$-\frac{x^8+x^7-x^6-2x^5-3x^4+x^3+x^2+2x+1}{(x-1)^3(x^2+x+1)^3}$$

Sequence: A347633
Score: 7.72822
Type of gen. func.: ogf

$$-\frac{x^8+x^7-x^6-2x^5-3x^4+x^3+x^2+2x+1}{(x-1)^3(x^2+x+1)^3}$$

Sequence: A347634
Score: 5.86643
Type of gen. func.: ogf

$$-2\,(2x^{11} - x^{10} - 3x^{8} - 4x^{7} - 2x^{6} + 12x^{5} + 2x^{4} + 2x^{3} + 3x^{2} + 4x + 1) \Big/ ((x - 1)^{3} (x + 1)^{3} (x^{2} + 1)^{3})$$

Sequence: A347634
Score: 6.22197
Type of gen. func.: ogf

$$-2\,(2x^{11} - x^{10} - 3x^{8} - 4x^{7} - 2x^{6} + 12x^{5} + 2x^{4} + 2x^{3} + 3x^{2} + 4x + 1) \Big/ ((x - 1)^{3} (x + 1)^{3} (x^{2} + 1)^{3})$$

Sequence: A347636
Score: 3.8875
Type of gen. func.: ogf

$\{-a(n + 5) + 3\,a(n + 4) + a(n + 3) - 7\,a(n + 2) + a(n + 1) + 3\,a(n),\ a(0) = 193,$

$a(1) = 399,\ a(2) = 783,\ a(3) = 1601,\ a(4) = 3283\}$

Sequence: A347636
Score: 6.16397
Type of gen. func.: ogf

$$-\frac{297x^{4} + 204x^{3} - 607x^{2} - 180x + 193}{(x - 1)(3x^{2} + x - 1)(x^{2} + x - 1)}$$

Sequence: A347636
Score: 6.64272
Type of gen. func.: ogf

$$-\frac{297x^{4} + 204x^{3} - 607x^{2} - 180x + 193}{(x - 1)(3x^{2} + x - 1)(x^{2} + x - 1)}$$

Sequence: A347638
Score: 6.60732
Type of gen. func.: ogf

$$-\frac{7x^7-15x^6+x^5+7x^4+2x^3+4x^2-x-3}{(x^6-x^4-x^3-x^2+1)(x-1)^2}$$

Sequence: A347638
Score: 7.05527
Type of gen. func.: ogf

$$-\frac{7x^7-15x^6+x^5+7x^4+2x^3+4x^2-x-3}{(x^6-x^4-x^3-x^2+1)(x-1)^2}$$

Sequence: A347650
Score: 6.35653
Type of gen. func.: ogf

$$-\frac{2x^{11}+x^{10}-x^8-4x^7-4x^6+2x^5+2x^3+3x^2+2x+1}{(x-1)^3(x+1)^3(x^2+1)^3}$$

Sequence: A347650
Score: 6.76996
Type of gen. func.: ogf

$$-\frac{2x^{11}+x^{10}-x^8-4x^7-4x^6+2x^5+2x^3+3x^2+2x+1}{(x-1)^3(x+1)^3(x^2+1)^3}$$

Sequence: A347665
Score: 16.509
Type of gen. func.: lgdegf]

$$1/2\exp(x)(x+2)^2$$

Sequence: A347666
Score: 12.0152
Type of gen. func.: lgdegf]

$$1/6 \exp(x) (x^3 + 6 x^2 + 12 x + 12)$$

Sequence: A347673
Score: 10.5863
Type of gen. func.: ogf

$$- \frac{x^6 - 3 x^5 + 3 x^4 - 12 x^3 + 9 x^2 + 9 x + 1}{(x - 1)^5}$$

Sequence: A347673
Score: 11.7962
Type of gen. func.: ogf

$$- \frac{x^6 - 3 x^5 + 3 x^4 - 12 x^3 + 9 x^2 + 9 x + 1}{(x - 1)^5}$$

Sequence: A347673
Score: 3.95087
Type of gen. func.: ogf

{-a(n + 7) + 5 a(n + 6) - 10 a(n + 5) + 10 a(n + 4) - 5 a(n + 3) + a(n + 2),

a(0) = 1, a(1) = 14, a(2) = 69, a(3) = 203, a(4) = 463, a(5) = 903,

a(6) = 1585}

Sequence: A347677
Score: 15.748
Type of gen. func.: ogf

$$- \frac{x^4 + 5 x^2 + 5 x + 1}{(x - 1)^3}$$

Sequence: A347677
Score: 18.5476
Type of gen. func.: ogf

$$-\frac{x^4 + 5 x^2 + 5 x + 1}{(x - 1)^3}$$

Sequence: A347677
Score: 6.00463
Type of gen. func.: ogf

$$\{-a(n + 5) + 3 a(n + 4) - 3 a(n + 3) + a(n + 2), a(0) = 1, a(1) = 8, a(2) = 26,$$
$$a(3) = 55, a(4) = 96\}$$

Sequence: A347677
Score: 6.18255
Type of gen. func.: ogf

$$-(2591568 f(x) - 3396475)$$
$$(f(x) x^3 + x^4 - 3 f(x) x^2 + 3 f(x) x + 5 x^2 - f(x) + 5 x + 1)$$

Sequence: A347725
Score: 14.8241
Type of gen. func.: ogf

$$-\frac{(x + 1)^2}{x^3 + x^2 + 2 x - 1}$$

Sequence: A347725
Score: 17.4595
Type of gen. func.: ogf

$$-\frac{(x + 1)^2}{x^3 + x^2 + 2 x - 1}$$

Sequence: A347725
Score: 6.83197
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^3 + f(x) x^2 + 2 f(x) x + x^2 - f(x) + 2 x + 1)$$

Sequence: A347725
Score: 7.48263
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - a(n + 1) - a(n), a(0) = 1, a(1) = 4, a(2) = 10\}$$

Sequence: A347789
Score: 14.3605
Type of gen. func.: ogf

$$\frac{2 x (x + 1)}{(x - 1) (2 x^2 - 1)}$$

Sequence: A347789
Score: 16.7051
Type of gen. func.: ogf

$$\frac{2 x (x + 1)}{(x - 1) (2 x^2 - 1)}$$

Sequence: A347789
Score: 7.94708
Type of gen. func.: ogf

$$-f(x) (2 f(x) x^3 - 2 f(x) x^2 - f(x) x - 2 x^2 + f(x) - 2 x)$$

Sequence: A347789
Score: 7.94708
Type of gen. func.: ogf

$\{a(n + 3) - a(n + 2) - 2 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 2, a(2) = 4\}$

Sequence: A347792
Score: 3.17055
Type of gen. func.: ogf

$$x (x^2 + x + 1) (x^2 - x + 1) (x^{13} + x^{12} + x^{11} + x^7 + 2 x^6 + 2 x + 1) / ((x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A347792
Score: 3.2716
Type of gen. func.: ogf

$$x (x^2 + x + 1) (x^2 - x + 1) (x^{13} + x^{12} + x^{11} + x^7 + 2 x^6 + 2 x + 1) / ((x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A347825
Score: 5.78375
Type of gen. func.: ogf

$$\frac{7 x^7 - 66 x^6 + 31 x^5 + 55 x^4 - 34 x^3 - 7 x^2 + 7 x - 1}{(3 x - 1) (7 x^2 - 6 x + 1) (7 x^4 - 6 x^2 + 1)}$$

Sequence: A347825
Score: 6.16615
Type of gen. func.: ogf

$$\frac{7 x^7 - 66 x^6 + 31 x^5 + 55 x^4 - 34 x^3 - 7 x^2 + 7 x - 1}{(3 x - 1) (7 x^2 - 6 x + 1) (7 x^4 - 6 x^2 + 1)}$$

Sequence: A347836
Score: 11.2399
Type of gen. func.: ogf

$$\frac{3 x^{3} + 16 x^{2} + 8 x + 5}{(x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A347836
Score: 5.31967
Type of gen. func.: ogf

$$-(7488 f(x) + 91127) (f(x) x^{4} - f(x) x^{3} - 3 x^{3} - f(x) x - 16 x^{2} + f(x) - 8 x - 5)$$

Sequence: A347836
Score: 5.85611
Type of gen. func.: ogf

{-a(n + 4) + a(n + 3) + a(n + 1) - a(n), a(0) = 5, a(1) = 13, a(2) = 29,

a(3) = 37}

Sequence: A347836
Score: 9.95538
Type of gen. func.: ogf

$$\frac{3 x^{3} + 16 x^{2} + 8 x + 5}{(x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A347837
Score: 10.1019
Type of gen. func.: ogf

$$\frac{11 x^{3} + 64 x^{2} + 32 x + 21}{(x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A347837
Score: 4.75812
Type of gen. func.: ogf

$$-(120064 f(x) + 5848711)$$

$$(f(x) x^4 - f(x) x^3 - 11 x^3 - f(x) x - 64 x^2 + f(x) - 32 x - 21)$$

Sequence: A347837
Score: 5.38214
Type of gen. func.: ogf

$\{-a(n + 4) + a(n + 3) + a(n + 1) - a(n), a(0) = 21, a(1) = 53, a(2) = 117,$

$a(3) = 149\}$

Sequence: A347837
Score: 8.9948
Type of gen. func.: ogf

$$\frac{11 x^3 + 64 x^2 + 32 x + 21}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A347838
Score: 12.8171
Type of gen. func.: ogf

$$\frac{x^3 + 6 x^2 + 3 x + 2}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A347838
Score: 14.498
Type of gen. func.: ogf

$$\frac{x^3 + 6 x^2 + 3 x + 2}{\;^{2} \qquad\qquad ^{2}}$$

$$(x + x + 1) (x - 1)$$

Sequence: A347838
Score: 7.01888
Type of gen. func.: ogf

$$-(44 f(x) + 201) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 6 x^2 + f(x) - 3 x - 2)$$

Sequence: A347838
Score: 7.49473
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 3) + a(n + 1) - a(n), a(0) = 2, a(1) = 5, a(2) = 11, a(3) = 14\}$$

Sequence: A347861
Score: 4.97798
Type of gen. func.: ogf

$$\{a(n + 7) + a(n + 6) - 3 a(n + 5) - 3 a(n + 4) + a(n + 3) + a(n + 2), a(0) = 2, a(1) = 3, a(2) = 5, a(3) = 6, a(4) = 5, a(5) = 24, a(6) = 5\}$$

Sequence: A347861
Score: 8.6023
Type of gen. func.: ogf

$$\frac{4 x^6 + x^5 - 11 x^4 - 4 x^3 + 2 x^2 + 5 x + 2}{(x + 1) (x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A347861
Score: 9.25153
Type of gen. func.: ogf

$$\frac{4 x^6 + x^5 - 11 x^4 - 4 x^3 + 2 x^2 + 5 x + 2}{(x + 1) (x^2 + x - 1) (x^2 - x - 1)}$$

Sequence: A347902
Score: 10.0525
Type of gen. func.: ogf

$$-\frac{9 x^{3} + 8 x^{2} - 3 x + 8}{(x^{2} + 1) (x^{2} + x - 1)}$$

Sequence: A347902
Score: 11.218
Type of gen. func.: ogf

$$-\frac{9 x^{3} + 8 x^{2} - 3 x + 8}{(x^{2} + 1) (x^{2} + x - 1)}$$

Sequence: A347902
Score: 5.95415
Type of gen. func.: ogf

$$-(5741 f(x) - 18791) (f(x) x^{4} + f(x) x^{3} + 9 x^{3} + f(x) x + 8 x^{2} - f(x) - 3 x + 8)$$

Sequence: A347902
Score: 6.55966
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3) - a(n + 1) - a(n), a(0) = 8, a(1) = 5, a(2) = 13, a(3) = 30\}$$

Sequence: A347922
Score: 11.0909
Type of gen. func.: ogf

$$-\frac{x (7 x^{4} + 92 x^{3} + 156 x^{2} + 44 x + 1)}{(x - 1)^{7}}$$

Sequence: A347922
Score: 12.5454
Type of gen. func.: ogf

$$-\frac{x\,(7\,x^{4}+92\,x^{3}+156\,x^{2}+44\,x+1)}{(x-1)^{7}}$$

Sequence: A347941
Score: 12.2849
Type of gen. func.: ogf

$$\frac{x^{11}-2\,x^{9}+x^{8}+2}{(x^{2}+x+1)\,(x^{6}+x^{3}+1)\,(x-1)^{2}}$$

Sequence: A347941
Score: 13.3769
Type of gen. func.: ogf

$$\frac{x^{11}-2\,x^{9}+x^{8}+2}{(x^{2}+x+1)\,(x^{6}+x^{3}+1)\,(x-1)^{2}}$$

Sequence: A347978
Score: 7.00687
Type of gen. func.: lgdegf]

$$-\frac{\ln(x+1)\,x+\ln(x+1)-x+1}{(x+1)\,(x-1)^{2}}$$

Sequence: A348004
Score: 4.24782
Type of gen. func.: ogf

$$-(4\,x^{58}+4\,x^{57}+x^{56}+12\,x^{6}+28\,x^{5}+28\,x^{4}+20\,x^{3}+12\,x^{2}+8\,x+4)\;\Big/\;($$

$$3 x^{58} - x^{57} - x^{56} - 12 x^{8} + 8 x^{7} - 4 x^{6} + 20 x^{5} - 12 x^{4} + 8 x^{3} - 8 x^{2} + 4 x - 4)$$

Sequence: A348004
Score: 4.42954
Type of gen. func.: ogf

$$-(4 x^{58} + 4 x^{57} + x^{56} + 12 x^{6} + 28 x^{5} + 28 x^{4} + 20 x^{3} + 12 x^{2} + 8 x + 4) \Big/ (3 x^{58} - x^{57} - x^{56} - 12 x^{8} + 8 x^{7} - 4 x^{6} + 20 x^{5} - 12 x^{4} + 8 x^{3} - 8 x^{2} + 4 x - 4)$$

Sequence: A348012
Score: 4.99038
Type of gen. func.: ogf

$$2 f(x)^{2} x^{3} + f(x)^{2} x^{2} - 4 f(x) x^{3} + 2 f(x)^{2} x + 2 x^{3} - f(x)^{2} - f(x) x - x^{2} + f(x)$$

Sequence: A348012
Score: 5.92874
Type of gen. func.: ogf

$$-\frac{-4 x^{3} + (-(2 x - 1) (2 x + 1) (x - 1)^{2})^{1/2} - x + 1}{2 (2 x^{3} + x^{2} + 2 x - 1)}$$

Sequence: A348063
Score: 4.01404
Type of gen. func.: egf]

$$-(\ln(x + 1)^{2} x^{2} + 2 \ln(x + 1)^{2} x - 3 \ln(x + 1) x^{2} + \ln(x + 1)^{2} + 2 \ln(x + 1) x + x^{2} + \ln(x + 1) - 2 x + 1) \Big/ ((x - 1)^{3} (x + 1)^{2})$$

Sequence: A348134
Score: 13.1227
Type of gen. func.: ogf

$$\frac{2 x^{2} (9 x^{3} + 19 x^{2} - 113 x - 11)}{(x - 1)^{5}}$$

Sequence: A348134
Score: 15.1035
Type of gen. func.: ogf

$$\frac{2 x^{2} (9 x^{3} + 19 x^{2} - 113 x - 11)}{(x - 1)^{5}}$$

Sequence: A348134
Score: 4.14758
Type of gen. func.: ogf

$$\{a(n + 6) - 5 a(n + 5) + 10 a(n + 4) - 10 a(n + 3) + 5 a(n + 2) - a(n + 1),$$

$$a(0) = 0, a(1) = 0, a(2) = 22, a(3) = 336, a(4) = 1422, a(5) = 3952\}$$

Sequence: A348189
Score: 6.87348
Type of gen. func.: ogf

$$-4 f(x)^{2} x^{3} - 6 f(x)^{2} x^{2} - 3 f(x)^{2} x + 6 f(x) x^{2} + 6 f(x) x + 2 f(x) - 3 x - 2$$

Sequence: A348189
Score: 7.11679
Type of gen. func.: ogf

$$\frac{-I (-(x + 1)^{(3/2)} (3 x - 1)^{1/2} + 3 I x^{2} + 3 I x + I)}{x (4 x^{2} + 6 x + 3)}$$

Sequence: A348204
Score: 11.1979
Type of gen. func.: ogf

$$\frac{685060939819 x - 759135467284}{x^2 + x - 1}$$

Sequence: A348204
Score: 12.8267
Type of gen. func.: ogf

$$\frac{685060939819 x - 759135467284}{x^2 + x - 1}$$

Sequence: A348204
Score: 4.79912
Type of gen. func.: ogf

$$-(1592345462033 f(x) - 1203318880778815296302147)$$

$$(f(x) x^2 + f(x) x - f(x) - 685060939819 x + 759135467284)$$

Sequence: A348204
Score: 7.426
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + a(n), a(0) = 759135467284, a(1) = 74074527465\}$$

Sequence: A348227
Score: 8.77342
Type of gen. func.: ogf

$$-\frac{2 x^7 + 2 x^6 - 2 x^5 - 11 x^4 - 12 x^3 - 10 x^2 - 4 x - 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A348227
Score: 9.53633

Type of gen. func.: ogf

$$-\frac{2x^7 + 2x^6 - 2x^5 - 11x^4 - 12x^3 - 10x^2 - 4x - 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A348228
Score: 10.0391
Type of gen. func.: ogf

$$\frac{2x^7 + 2x^6 - 2x^5 - 11x^4 - 12x^3 - 10x^2 - 4x - 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A348228
Score: 9.20253
Type of gen. func.: ogf

$$\frac{2x^7 + 2x^6 - 2x^5 - 11x^4 - 12x^3 - 10x^2 - 4x - 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A348229
Score: 10.0908
Type of gen. func.: ogf

$$-\frac{2x^6 + 2x^5 - 7x^4 - 12x^3 - 14x^2 - 6x - 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A348229
Score: 5.6975
Type of gen. func.: ogf

$\{a(n + 7) - 2 a(n + 5) + a(n + 3), a(0) = 1, a(1) = 6, a(2) = 16, a(3) = 24,$

$a(4) = 38, a(5) = 40, a(6) = 58\}$

Sequence: A348229
Score: 9.20366
Type of gen. func.: ogf

$$-\frac{2x^6+2x^5-7x^4-12x^3-14x^2-6x-1}{(x-1)^2(x+1)^2}$$

Sequence: A348230
Score: 10.527
Type of gen. func.: ogf

$$\frac{2x^6+2x^5-7x^4-12x^3-14x^2-6x-1}{(x+1)^2(x-1)^3}$$

Sequence: A348230
Score: 4.09671
Type of gen. func.: ogf

{-a(n + 7) + a(n + 6) + 2 a(n + 5) - 2 a(n + 4) - a(n + 3) + a(n + 2), a(0) = 1,

a(1) = 7, a(2) = 23, a(3) = 47, a(4) = 85, a(5) = 125, a(6) = 183}

Sequence: A348230
Score: 9.55899
Type of gen. func.: ogf

$$\frac{2x^6+2x^5-7x^4-12x^3-14x^2-6x-1}{(x+1)^2(x-1)^3}$$

Sequence: A348231
Score: 11.7962
Type of gen. func.: ogf

$$\frac{x^4+12x^3+14x^2+8x+1}{(x-1)^2(x+1)^2}$$

Sequence: A348231
Score: 13.2942
Type of gen. func.: ogf

$$\frac{x^4 + 12 x^3 + 14 x^2 + 8 x + 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A348231
Score: 6.92176
Type of gen. func.: ogf

{a(n + 5) - 2 a(n + 3) + a(n + 1), a(0) = 1, a(1) = 8, a(2) = 16, a(3) = 28,

a(4) = 32}

Sequence: A348231
Score: 7.1584
Type of gen. func.: ogf

$$(1206 f(x) - 2705) (f(x) x^4 - x^4 - 2 f(x) x^2 - 12 x^3 - 14 x^2 + f(x) - 8 x - 1)$$

Sequence: A348232
Score: 11.0884
Type of gen. func.: ogf

$$- \frac{x^4 + 12 x^3 + 14 x^2 + 8 x + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A348232
Score: 12.4124
Type of gen. func.: ogf

$$- \frac{x^4 + 12 x^3 + 14 x^2 + 8 x + 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A348232
Score: 4.97983
Type of gen. func.: ogf

$$\{a(n+5) - a(n+4) - 2\,a(n+3) + 2\,a(n+2) + a(n+1) - a(n),\ a(0) = 1,\ a(1) = 9,\ a(2) = 25,\ a(3) = 53,\ a(4) = 85\}$$

Sequence: A348236
Score: 7.28636
Type of gen. func.: ogf

$$\frac{(x^6 + 2\,x^4 + x^3 + 2\,x^2 + 1)\,(x + 1)^2}{(x^2 + 1)\,(x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A348236
Score: 7.78458
Type of gen. func.: ogf

$$\frac{(x^6 + 2\,x^4 + x^3 + 2\,x^2 + 1)\,(x + 1)^2}{(x^2 + 1)\,(x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A348237
Score: 6.31755
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1)\,(x^4 + x^3 + 3\,x^2 + x + 1)\,(x + 1)^2}{(x^2 + 1)\,(x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A348237
Score: 6.69755
Type of gen. func.: ogf

$$\frac{(x^2 - x + 1)\,(x^4 + x^3 + 3\,x^2 + x + 1)\,(x + 1)^2}{(x^2 + 1)\,(x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A348238
Score: 6.8917
Type of gen. func.: ogf

$$-\frac{(x^6+2x^4+x^3+2x^2+1)(x+1)^2}{(x^2+1)(x^4+x^3+x^2+x+1)(x-1)^3}$$

Sequence: A348238
Score: 7.34735
Type of gen. func.: ogf

$$-\frac{(x^6+2x^4+x^3+2x^2+1)(x+1)^2}{(x^2+1)(x^4+x^3+x^2+x+1)(x-1)^3}$$

Sequence: A348239
Score: 6.15849
Type of gen. func.: ogf

$$-\frac{(x^2-x+1)(x^4+x^3+3x^2+x+1)(x+1)^2}{(x^2+1)(x^4+x^3+x^2+x+1)(x-1)^3}$$

Sequence: A348239
Score: 6.51811
Type of gen. func.: ogf

$$-\frac{(x^2-x+1)(x^4+x^3+3x^2+x+1)(x+1)^2}{(x^2+1)(x^4+x^3+x^2+x+1)(x-1)^3}$$

Sequence: A348248
Score: 7.8952
Type of gen. func.: ogf

$$-\frac{x\,(2x^{25}+x^{24}-x^{16}-2x^{15}+2x^{11}+x^{10}-2x^7-x^6+2x+1)}{}$$

$$(x - 1) (x + 1)$$

Sequence: A348248
Score: 8.44443
Type of gen. func.: ogf

$$- \frac{x (2 x^{25} + x^{24} - x^{16} - 2 x^{15} + 2 x^{11} + x^{10} - 2 x^{7} - x^{6} + 2 x + 1)}{(x - 1) (x + 1)}$$

Sequence: A348257
Score: 11.8097
Type of gen. func.: ogf

$$\frac{4 x^{4} - 18 x^{3} + 33 x^{2} - 24 x + 6}{(2 x - 1)^{3} (x - 1)^{3}}$$

Sequence: A348257
Score: 13.2859
Type of gen. func.: ogf

$$\frac{4 x^{4} - 18 x^{3} + 33 x^{2} - 24 x + 6}{(2 x - 1)^{3} (x - 1)^{3}}$$

Sequence: A348257
Score: 4.08798
Type of gen. func.: ogf

$$\{-a(n + 6) + 9 a(n + 5) - 33 a(n + 4) + 63 a(n + 3) - 66 a(n + 2) + 36 a(n + 1) - 8 a(n), a(0) = 6, a(1) = 30, a(2) = 105, a(3) = 315, a(4) = 868, a(5) = 2268\}$$

Sequence: A348264
Score: 10.7372
Type of gen. func.: ogf

$$\frac{x\,(2\,x - 1)}{2\,x^{78} + x^{4} - 1}$$

Sequence: A348264
Score: 9.17541
Type of gen. func.: ogf

$$\frac{x\,(2\,x^{78} - 1)}{2\,x^{78} + x^{4} - 1}$$

Sequence: A348289
Score: 10.1195
Type of gen. func.: ogf

$$\frac{(x - 1)^{3}}{(x^{2} - x + 1)\,(x^{4} + x^{2} - 2\,x + 1)\,(x^{2} + x - 1)}$$

Sequence: A348289
Score: 11.119
Type of gen. func.: ogf

$$\frac{(x - 1)^{3}}{(x^{2} - x + 1)\,(x^{4} + x^{2} - 2\,x + 1)\,(x^{2} + x - 1)}$$

Sequence: A348290
Score: 8.15232
Type of gen. func.: ogf

$$-\frac{(x - 1)^{4}}{(x^{2} + x - 1)\,(x^{8} - x^{7} + 2\,x^{6} - 3\,x^{5} + 5\,x^{4} - 7\,x^{3} + 7\,x^{2} - 4\,x + 1)}$$

Sequence: A348290
Score: 8.77345

Type of gen. func.: ogf

$$-\frac{(x-1)^4}{(x^2+x-1)(x^8-x^7+2x^6-3x^5+5x^4-7x^3+7x^2-4x+1)}$$

Sequence: A348308
Score: 12.7992
Type of gen. func.: ogf

$$\frac{(x-1)^2}{(x^2-x+1)(x^4+x^3-2x+1)}$$

Sequence: A348308
Score: 14.4778
Type of gen. func.: ogf

$$\frac{(x-1)^2}{(x^2-x+1)(x^4+x^3-2x+1)}$$

Sequence: A348308
Score: 5.58953
Type of gen. func.: ogf

$\{-a(n+6)+3a(n+5)-3a(n+4)+a(n+3)-a(n), a(0)=1, a(1)=1,$

$a(2)=1, a(3)=1, a(4)=1, a(5)=1\}$

Sequence: A348309
Score: 12.9096
Type of gen. func.: ogf

$$-\frac{(x-1)^3}{x^8+x^4-4x^3+6x^2-4x+1}$$

Sequence: A348309

Score: 14.6026

Type of gen. func.: ogf

$$-\frac{(x-1)^3}{x^8+x^4-4x^3+6x^2-4x+1}$$

Sequence: A348310

Score: 8.54253

Type of gen. func.: ogf

$$\frac{(x-1)^4}{(x^2-x+1)(x^8+x^7-x^5-x^4-x^3+5x^2-4x+1)}$$

Sequence: A348310

Score: 9.27737

Type of gen. func.: ogf

$$\frac{(x-1)^4}{(x^2-x+1)(x^8+x^7-x^5-x^4-x^3+5x^2-4x+1)}$$

Sequence: A348312

Score: 3.59333

Type of gen. func.: ogf

$$\{a(n+2)\,n^2-3\,a(n+1)\,n^2-a(n+3)\,n+8\,a(n+2)\,n-15\,a(n+1)\,n$$
$$-2\,a(n+3)+15\,a(n+2)-18\,a(n+1),\ a(0)=0,\ a(1)=1,\ a(2)=8\}$$

Sequence: A348314

Score: 3.33615

Type of gen. func.: ogf

$$\{a(n+2)\,n^2-4\,a(n+1)\,n^2-a(n+3)\,n+9\,a(n+2)\,n-20\,a(n+1)\,n$$
$$-2\,a(n+3)+18\,a(n+2)-24\,a(n+1),\ a(0)=0,\ a(1)=1,\ a(2)=10\}$$

Sequence: A348338
Score: 5.10658
Type of gen. func.: ogf

$$-(x + 1) (x^{16} - 2 x^{15} + 2 x^{14} - 2 x^{13} + 2 x^{12} - 2 x^{11} + 2 x^{10} - 2 x^{9} + 2 x^{8} - 2 x^{7} + 2 x^{6} - 2 x^{5} + 2 x^{4} - x^{3} + 1) \Big/ (x - 1)^{3}$$

Sequence: A348338
Score: 5.36845
Type of gen. func.: ogf

$$-(x + 1) (x^{16} - 2 x^{15} + 2 x^{14} - 2 x^{13} + 2 x^{12} - 2 x^{11} + 2 x^{10} - 2 x^{9} + 2 x^{8} - 2 x^{7} + 2 x^{6} - 2 x^{5} + 2 x^{4} - x^{3} + 1) \Big/ (x - 1)^{3}$$

Sequence: A348405
Score: 10.4865
Type of gen. func.: ogf

$$\frac{x^{4} - x^{3} + 2 x - 1}{(2 x - 1) (x^{2} - x + 1) (x + 1)^{2}}$$

Sequence: A348405
Score: 4.66777
Type of gen. func.: ogf

$$\{-a(n + 5) + a(n + 4) + 2 a(n + 3) - a(n + 2) + a(n + 1) + 2 a(n), a(0) = 1, a(1) = -1, a(2) = 1, a(3) = -1, a(4) = 2\}$$

Sequence: A348405
Score: 9.4508
Type of gen. func.: ogf

$$\frac{x^{4} - x^{3} + 2 x - 1}{{}^{2} \qquad\qquad {}^{2}}$$

$$(2 x - 1) (x - x + 1) (x + 1)$$

Sequence: A348407
Score: 10.0072
Type of gen. func.: ogf

$$\{-a(n + 3) + 3 a(n + 2) - 4 a(n), a(0) = 4, a(1) = 9, a(2) = 21\}$$

Sequence: A348407
Score: 15.2742
Type of gen. func.: ogf

$$-\frac{6 x^2 + 3 x - 4}{(x + 1) (2 x - 1)^2}$$

Sequence: A348407
Score: 17.768
Type of gen. func.: ogf

$$-\frac{6 x^2 + 3 x - 4}{(x + 1) (2 x - 1)^2}$$

Sequence: A348407
Score: 8.88398
Type of gen. func.: ogf

$$-(4 f(x) - 43) (4 f(x) x^3 - 3 f(x) x + 6 x^2 + f(x) + 3 x - 4)$$

Sequence: A348489
Score: 8.7484
Type of gen. func.: ogf

$$-\frac{5 (294 x^8 - 294 x^7 + 2 x^6 - 2 x^5 + 96 x^3 - 68 x^2 - 15 x - 15)}{(x - 1)^2}$$

Sequence: A348517
Score: 8.30993
Type of gen. func.: ogf

$$-\frac{x^{26}-x^{25}+x^{11}-x^{10}+3x^{6}-3x^{5}+x^{3}+2x^{2}+11x-15}{(x-1)^{2}}$$

Sequence: A348517
Score: 8.98144
Type of gen. func.: ogf

$$-\frac{x^{26}-x^{25}+x^{11}-x^{10}+3x^{6}-3x^{5}+x^{3}+2x^{2}+11x-15}{(x-1)^{2}}$$

Sequence: A348536
Score: 4.96475
Type of gen. func.: ogf

$$-\frac{x^{2}\left(3x^{5}+3x^{3}+x^{2}+x+1\right)}{(x-1)(x+1)(x^{2}+1)(x^{2}+x+1)(x^{2}-x+1)}$$

Sequence: A348536
Score: 5.2825
Type of gen. func.: ogf

$$-\frac{x^{2}\left(3x^{5}+3x^{3}+x^{2}+x+1\right)}{(x-1)(x+1)(x^{2}+1)(x^{2}+x+1)(x^{2}-x+1)}$$

Sequence: A348537
Score: 6.13159
Type of gen. func.: ogf

$$-\frac{x^{2}\left(x^{5}+x^{4}-x^{3}-x^{2}-2x-1\right)}{}$$

$$(x^2 + 1) (x^2 + x + 1) (x - 1)^2 (x + 1)^2$$

Sequence: A348537
Score: 6.56569
Type of gen. func.: ogf

$$- \frac{x^2 (x^5 + x^4 - x^3 - x^2 - 2 x - 1)}{(x^2 + 1) (x^2 + x + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A348542
Score: 6.38848
Type of gen. func.: ogf

$$- \frac{x^3 (x^5 + x^4 + x^3 + 2 x^2 + x + 1)}{(x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^3 (x + 1)^3}$$

Sequence: A348542
Score: 6.77275
Type of gen. func.: ogf

$$- \frac{x^3 (x^5 + x^4 + x^3 + 2 x^2 + x + 1)}{(x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^3 (x + 1)^3}$$

Sequence: A348543
Score: 5.99543
Type of gen. func.: ogf

$$- \frac{x^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^3 (x + 1)^3}$$

Sequence: A348543
Score: 6.33559
Type of gen. func.: ogf

$$-\frac{x^2 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^3 (x + 1)^3}$$

Sequence: A348589
Score: 4.18927
Type of gen. func.: ogf

$$(3818936077 f(x) + 1864843400)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x + 1500 x^2 - f(x) - 930 x + 24)$$

Sequence: A348589
Score: 4.95096
Type of gen. func.: ogf

$$\{-a(n + 3) + 111 a(n + 2) - 1110 a(n + 1) + 1000 a(n), a(0) = 24, a(1) = 1734,$$

$$a(2) = 167334\}$$

Sequence: A348589
Score: 7.88245
Type of gen. func.: ogf

$$-\frac{6 (250 x^2 - 155 x + 4)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A348589
Score: 8.80979
Type of gen. func.: ogf

$$-\frac{6 (250 x^2 - 155 x + 4)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A348591
Score: 10.0341
Type of gen. func.: ogf

$$-\frac{x\,(2x^5 - 5x^3 - x - 1)}{(x + 1)(x^2 + x - 1)(x^2 - x - 1)}$$

Sequence: A348591
Score: 10.9361
Type of gen. func.: ogf

$$-\frac{x\,(2x^5 - 5x^3 - x - 1)}{(x + 1)(x^2 + x - 1)(x^2 - x - 1)}$$

Sequence: A348591
Score: 4.99134
Type of gen. func.: ogf

{-a(n + 7) - a(n + 6) + 3 a(n + 5) + 3 a(n + 4) - a(n + 3) - a(n + 2), a(0) = 0,

a(1) = 1, a(2) = 0, a(3) = 3, a(4) = 5, a(5) = 3, a(6) = 18}

Sequence: A348592
Score: 7.64086
Type of gen. func.: ogf

$$-\frac{x\,(3x^6 + 6x^5 + 10x^4 + 16x^3 + 7x^2 + 2x + 1)}{(x + 1)(x^2 + x - 1)(x^4 + 3x^2 + 1)}$$

Sequence: A348592
Score: 8.15453
Type of gen. func.: ogf

$$-\frac{x\,(3x^6 + 6x^5 + 10x^4 + 16x^3 + 7x^2 + 2x + 1)}{(x + 1)(x^2 + x - 1)(x^4 + 3x^2 + 1)}$$

Sequence: A348597
Score: 3.88204
Type of gen. func.: ogf

$$\{-a(n + 4) n - a(n + 1) n + a(n + 5) - 5 a(n + 4) + a(n + 2) - 2 a(n + 1),$$

$$a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 5, a(4) = 20\}$$

Sequence: A348618
Score: 4.41644
Type of gen. func.: ogf

$$\{a(n + 2) n^2 - 108 a(n) n^2 + 3 a(n + 2) n - 216 a(n) n + 2 a(n + 2) - 96 a(n),$$

$$a(0) = 1, a(1) = 2, a(2) = 16\}$$

Sequence: A348618
Score: 6.16778
Type of gen. func.: ogf

$$108 f(x)^3 x^2 - 216 f(x)^2 x^2 - f(x)^3 + 144 f(x) x^2 + 2 f(x)^2 - 32 x^2 - f(x)$$

Sequence: A348621
Score: 12.1326
Type of gen. func.: ogf

$$\frac{x (8 x^3 - 14 x^2 + 11 x - 4)}{(x - 1)^2 (2 x - 1)^3}$$

Sequence: A348621
Score: 13.7777
Type of gen. func.: ogf

$$\frac{x (8 x^3 - 14 x^2 + 11 x - 4)}{(x - 1)^2 (2 x - 1)^3}$$

Sequence: A348621
Score: 4.78168
Type of gen. func.: ogf

$$\{-a(n+5) + 8\,a(n+4) - 25\,a(n+3) + 38\,a(n+2) - 28\,a(n+1) + 8\,a(n),$$

$$a(0) = 0,\ a(1) = 4,\ a(2) = 21,\ a(3) = 82,\ a(4) = 275\}$$

Sequence: A348634
Score: 9.12636
Type of gen. func.: ogf

$$-x^{3}\,(1294\,x^{7} + 6346\,x^{6} + 8455\,x^{5} + 7067\,x^{4} + 4772\,x^{3} + 1808\,x^{2} + 471\,x + 27) \Big/ (x-1)^{11}$$

Sequence: A348634
Score: 9.83521
Type of gen. func.: ogf

$$-x^{3}\,(1294\,x^{7} + 6346\,x^{6} + 8455\,x^{5} + 7067\,x^{4} + 4772\,x^{3} + 1808\,x^{2} + 471\,x + 27) \Big/ (x-1)^{11}$$

Sequence: A348643
Score: 13.5975
Type of gen. func.: ogf

$$\frac{34665\,x^{3} + 165109\,x^{2} + 49051\,x + 7}{(x-1)^{4}}$$

Sequence: A348643
Score: 15.612
Type of gen. func.: ogf

$$\frac{34665\,x^{3} + 165109\,x^{2} + 49051\,x + 7}{(x-1)^{4}}$$

Sequence: A348643

Score: 4.60682
Type of gen. func.: ogf

$$(222942782239488 f(x) + 15874174923964274797) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 34665 x^3 - 4 f(x) x - 165109 x^2 + f(x) - 49051 x - 7)$$

Sequence: A348643
Score: 5.65804
Type of gen. func.: ogf

$$\{-a(n + 4) + 4 a(n + 3) - 6 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 7, a(1) = 49079, a(2) = 361383, a(3) = 1185751\}$$

Sequence: A348644
Score: 12.9741
Type of gen. func.: ogf

$$\frac{52003 x^3 + 247653 x^2 + 73581 x + 11}{(x - 1)^4}$$

Sequence: A348644
Score: 14.8612
Type of gen. func.: ogf

$$\frac{52003 x^3 + 247653 x^2 + 73581 x + 11}{(x - 1)^4}$$

Sequence: A348644
Score: 4.44221
Type of gen. func.: ogf

$$(148627290334464 f(x) + 15873454598778583405) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 52003 x^3 - 4 f(x) x - 247653 x^2 + f(x) - 73581 x - 11)$$

Sequence: A348644
Score: 5.44912
Type of gen. func.: ogf

$$\{-a(n + 4) + 4 a(n + 3) - 6 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 11,$$
$$a(1) = 73625, a(2) = 542087, a(3) = 1778645\}$$

Sequence: A348645
Score: 12.9741
Type of gen. func.: ogf

$$\frac{51227 x^3 + 247479 x^2 + 74529 x + 13}{(x - 1)^4}$$

Sequence: A348645
Score: 14.8612
Type of gen. func.: ogf

$$\frac{51227 x^3 + 247479 x^2 + 74529 x + 13}{(x - 1)^4}$$

Sequence: A348645
Score: 4.59195
Type of gen. func.: ogf

$$(205087099392 f(x) + 21977900282106971) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2$$
$$- 51227 x^3 - 4 f(x) x - 247479 x^2 + f(x) - 74529 x - 13)$$

Sequence: A348645
Score: 5.44912
Type of gen. func.: ogf

$$\{-a(n + 4) + 4 a(n + 3) - 6 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 13,$$
$$a(1) = 74581, a(2) = 545725, a(3) = 1786693\}$$

Sequence: A348646
Score: 13.1319
Type of gen. func.: ogf

$$\frac{76849 x^3 + 371202 x^2 + 111801 x + 20}{(x - 1)^4}$$

Sequence: A348646
Score: 15.0078
Type of gen. func.: ogf

$$\frac{76849 x^3 + 371202 x^2 + 111801 x + 20}{(x - 1)^4}$$

Sequence: A348646
Score: 4.80251
Type of gen. func.: ogf

$$(4143139328 f(x) + 665965986946727) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 76849 x^3 - 4 f(x) x - 371202 x^2 + f(x) - 111801 x - 20)$$

Sequence: A348646
Score: 5.56582
Type of gen. func.: ogf

$$\{-a(n + 4) + 4 a(n + 3) - 6 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 20, a(1) = 111881, a(2) = 818606, a(3) = 2680067\}$$

Sequence: A348662
Score: 3.31173
Type of gen. func.: ogf

$$64 f(x)^2 x^4 + 32 f(x)^2 x^3 - 64 f(x) x^4 + 20 f(x)^2 x^2 - 48 f(x) x^3 + 8 f(x)^2 x - 24 f(x) x^2 + 8 x^3 + f(x)^2 - 12 f(x) x + 7 x^2 - 2 f(x) + 4 x + 1$$

Sequence: A348662
Score: 6.09592
Type of gen. func.: ogf

$$-\frac{-8x^3 - 4x^2 + \left(x^2 (4x^2 + 1)(4x + 1)\right)^{1/2} - 2x - 1}{(4x^2 + 1)(4x + 1)}$$

Sequence: A348663
Score: 5.99659
Type of gen. func.: ogf

$$-\frac{4x^7 - 12x^5 + 7x^4 - 2x^3 - 4x^2 + 2x + 1}{(x - 1)(2x - 1)(6x^6 - 24x^5 + 21x^4 - 7x^3 - 4x^2 + 5x - 1)}$$

Sequence: A348663
Score: 6.34933
Type of gen. func.: ogf

$$-\frac{4x^7 - 12x^5 + 7x^4 - 2x^3 - 4x^2 + 2x + 1}{(x - 1)(2x - 1)(6x^6 - 24x^5 + 21x^4 - 7x^3 - 4x^2 + 5x - 1)}$$

Sequence: A348674
Score: 7.03574
Type of gen. func.: ogf

$$- (x + 1)(x^4 + x^3 + x^2 + x + 1)(x^4 - x^3 + x^2 - x + 1)$$

$$(x^{80} + 2x^{20} + 4x^{10} + 2) \Big/ (2x^{90} - x^{80} + 2x^{20} - 2)$$

Sequence: A348674
Score: 7.38974
Type of gen. func.: ogf

$$- (x + 1)(x^4 + x^3 + x^2 + x + 1)(x^4 - x^3 + x^2 - x + 1)$$

$$\left(x^{80} + 2 x^{20} + 4 x^{10} + 2\right) \Big/ \left(2 x^{90} - x^{80} + 2 x^{20} - 2\right)$$

Sequence: A348742
Score: 13.046
Type of gen. func.: ogf

$$\frac{180 x^{25} - 364 x^{24} + 180 x^{23} + 4 x^{22} - x^{2} + 2 x - 9}{(x - 1)^{3}}$$

Sequence: A348742
Score: 14.4376
Type of gen. func.: ogf

$$\frac{180 x^{25} - 364 x^{24} + 180 x^{23} + 4 x^{22} - x^{2} + 2 x - 9}{(x - 1)^{3}}$$

Sequence: A348776
Score: 10.13
Type of gen. func.: ogf

$$\{-a(n + 4) + 2 a(n + 3) - a(n + 2), a(0) = 2, a(1) = 3, a(2) = 3, a(3) = 4\}$$

Sequence: A348776
Score: 10.2265
Type of gen. func.: ogf

$$-(2 f(x) + 5) (f(x) x^{2} - x^{3} - 2 f(x) x + x^{2} + f(x) + x - 2)$$

Sequence: A348776
Score: 21.9138
Type of gen. func.: ogf

$$\frac{x^{3} - x^{2} - x + 2}{2}$$

$$(x - 1)$$

Sequence: A348776
Score: 26.1897
Type of gen. func.: ogf

$$\frac{x^3 - x^2 - x + 2}{(x - 1)^2}$$

Sequence: A348793
Score: 10.3893
Type of gen. func.: revogf

$$\frac{(1 + (-8 x^2 - 4 x + 1)^{1/2}) x}{2 (2 x + 1)}$$

Sequence: A348793
Score: 12.6785
Type of gen. func.: ogf

$$f(x)^3 x + 2 f(x) x - f(x) + 1$$

Sequence: A348845
Score: 19.7946
Type of gen. func.: ogf

$$\frac{13 x + 11}{(x - 1)^2}$$

Sequence: A348845
Score: 25.6597
Type of gen. func.: ogf

$$\frac{13 x + 11}{(x - 1)^2}$$

Sequence: A348845
Score: 7.69792
Type of gen. func.: ogf

$$(48 f(x) + 697) (f(x) x^2 - 2 f(x) x + f(x) - 13 x - 11)$$

Sequence: A348845
Score: 9.11595
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 11, a(1) = 35\}$$

Sequence: A348893
Score: 4.69621
Type of gen. func.: ogf

$$(128 (1 - 4 x)^{1/2} x^3 - 58 (1 - 4 x)^{1/2} x^2 - 152 x^3 + 13 (1 - 4 x)^{1/2} x + 82 x^2 - (1 - 4 x)^{1/2} - 15 x + 1) / ((1 + (1 - 4 x)^{1/2}) x^3 (1 - 4 x)^{1/2})$$

Sequence: A348893
Score: 6.78749
Type of gen. func.: ogf

$$-f(x)^2 x^4 + 140 f(x) x^3 - 70 f(x) x^2 - 4096 x^3 + 14 f(x) x + 2268 x^2 - f(x) - 476 x + 35$$

Sequence: A348893
Score: 7.3627
Type of gen. func.: ogf

$$\{a(n + 2) n - 4 a(n + 1) n + 6 a(n + 2) - 6 a(n + 1), a(0) = 35, a(1) = 14\}$$

Sequence: A348898
Score: 6.88814
Type of gen. func.: ogf

$$\{a(n + 2) n - 4 a(n + 1) n + 7 a(n + 2) - 6 a(n + 1), a(0) = 126, a(1) = 42\}$$

Sequence: A348899
Score: 6.77405
Type of gen. func.: ogf

$$\{a(n + 2) n - 4 a(n + 1) n + 8 a(n + 2) - 6 a(n + 1), a(0) = 462, a(1) = 132\}$$

Sequence: A348910
Score: 2.70976
Type of gen. func.: ogf

$$- x (8 x^{31} - 3 x^{15} + x^{14} + x^{13} - x^{12} - 3 x^{11} + x^{10} + x^{9} - x^{8} - 3 x^{7} + x^{6} + x^{5} - x^{4} + x^{3} + x^{2} + x - 1) / ((x + 1) (x^{2} + 1) (x^{4} + 1) (x^{8} + 1) (x - 1)^{2})$$

Sequence: A348910
Score: 2.8083
Type of gen. func.: ogf

$$- x (8 x^{31} - 3 x^{15} + x^{14} + x^{13} - x^{12} - 3 x^{11} + x^{10} + x^{9} - x^{8} - 3 x^{7} + x^{6} + x^{5} - x^{4} + x^{3} + x^{2} + x - 1) / ((x + 1) (x^{2} + 1) (x^{4} + 1) (x^{8} + 1) (x - 1)^{2})$$

Sequence: A348912
Score: 10.6135
Type of gen. func.: revogf

$$\frac{(1 + (-8 x^{2} - 8 x + 1)^{1/2}) x}{2 (x + 1)}$$

Sequence: A348912
Score: 12.9521
Type of gen. func.: ogf

3

$$-2 f(x) x - f(x) x + f(x) - 1$$

Sequence: A348919
Score: 9.15494
Type of gen. func.: ogf

$$-\frac{x^{3} (x^{4} + x^{3} + x^{2} + x + 1)}{(x + 1)^{2} (x^{2} + x + 1)^{2} (x - 1)^{5}}$$

Sequence: A348919
Score: 9.97786
Type of gen. func.: ogf

$$-\frac{x^{3} (x^{4} + x^{3} + x^{2} + x + 1)}{(x + 1)^{2} (x^{2} + x + 1)^{2} (x - 1)^{5}}$$

Sequence: A348949
Score: 7.01729
Type of gen. func.: ogf

$$- (3 x + 1) (1296 x^{24} + 216 x^{18} + 36 x^{12} + 6 x^{6} + 1) (4 x^{2} - 2 x + 1) (4 x^{2} + 2 x + 1) / ((2 x^{10} - 1) (4 x^{20} + 2 x^{10} + 1))$$

Sequence: A348949
Score: 7.39406
Type of gen. func.: ogf

$$- (3 x + 1) (1296 x^{24} + 216 x^{18} + 36 x^{12} + 6 x^{6} + 1) (4 x^{2} - 2 x + 1) (4 x^{2} + 2 x + 1) / ((2 x^{10} - 1) (4 x^{20} + 2 x^{10} + 1))$$

Sequence: A348957
Score: 14.6011
Type of gen. func.: ogf

$$-x - f(x) + f(x)^2 - f(x)^3 x$$

Sequence: A349014
Score: 7.26805
Type of gen. func.: ogf

$$f(x)^2 x^3 - f(x)^2 x^2 - f(x) x^2 - f(x) x + x^2 + f(x) - 1$$

Sequence: A349015
Score: 7.99953
Type of gen. func.: revogf

$$\frac{x^2}{2} + x + 1/2 - \frac{((x + 1) (x^3 + 3 x^2 - x + 1))^{1/2}}{2}$$

Sequence: A349015
Score: 9.08589
Type of gen. func.: ogf

$$f(x)^2 x^2 - f(x)^2 x + 2 f(x) x - f(x) - x + 1$$

Sequence: A349015
Score: 9.55788
Type of gen. func.: ogf

$$- \frac{2 x - 1 + (4 x^3 - 4 x^2 + 1)^{1/2}}{2 x (x - 1)}$$

Sequence: A349047
Score: 12.3016
Type of gen. func.: ogf

$$f(x)^2 x^3 - f(x) x + f(x) - 1$$

Sequence: A349047
Score: 9.4259
Type of gen. func.: ogf

$$\frac{(x+1)^{1/2}(4x^2-3x+1)^{1/2}+x-1}{2x^3}$$

Sequence: A349048
Score: 11.5713
Type of gen. func.: ogf

$$\frac{x-1+(4x^4+x^2-2x+1)^{1/2}}{2x^4}$$

Sequence: A349048
Score: 13.5325
Type of gen. func.: ogf

$$f(x)^2 x^4 - f(x)\,x + f(x) - 1$$

Sequence: A349081
Score: 6.86557
Type of gen. func.: ogf

$$2\,(31x^{20}-30x^{19}-36x^{18}+34x^{17}+x^{16}+3x^5-2x^4-8x^3+6x^2+x-4)\Big/((x+1)(x-1)^3)$$

Sequence: A349081
Score: 7.31577
Type of gen. func.: ogf

$$2\,(31x^{20}-30x^{19}-36x^{18}+34x^{17}+x^{16}+3x^5-2x^4-8x^3+6x^2+x-4)\Big/((x+1)(x-1)^3)$$

Sequence: A349087
Score: 3.62976
Type of gen. func.: ogf

$$\{a(n + 5) n + a(n + 1) n - a(n + 6) + 6 a(n + 5) - a(n + 2) + 2 a(n + 1),$$
$$a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 6, a(4) = 23, a(5) = 115\}$$

Sequence: A349088
Score: 3.90269
Type of gen. func.: ogf

$$\{a(n + 4) n - a(n + 1) n + 5 a(n + 4) - a(n + 5) + a(n + 2) - 2 a(n + 1),$$
$$a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 6, a(4) = 25\}$$

Sequence: A349088
Score: 4.4467
Type of gen. func.: egf]

$$-1/3 \frac{3^{1/2} \exp(- x/2) \sin\left(\frac{3^{1/2} x}{2}\right) - \exp(- x/2) \cos\left(\frac{3^{1/2} x}{2}\right) + \exp(x)}{x - 1}$$

Sequence: A349089
Score: 3.63221
Type of gen. func.: ogf

$$\{a(n + 5) n - a(n + 1) n - a(n + 6) + 6 a(n + 5) + a(n + 2) - 2 a(n + 1),$$
$$a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 6, a(4) = 24, a(5) = 121\}$$

Sequence: A349118
Score: 10.9679
Type of gen. func.: ogf

$$\frac{5 x^5 + 2 x^4 - 2 x^3 - x^2 + 5 x + 1}{(x - 1)^4 (x + 1)^4}$$

Sequence: A349118
Score: 12.2395
Type of gen. func.: ogf

$$\frac{5x^5+2x^4-2x^3-x^2+5x+1}{(x-1)^4(x+1)^4}$$

Sequence: A349185
Score: 10.0227
Type of gen. func.: ogf

$$-\frac{x^2+(x^4+8x^3-2x^2-4x+1)^{1/2}+2x-1}{2x^2}$$

Sequence: A349185
Score: 10.5176
Type of gen. func.: ogf

$$f(x)^2 x^2+f(x)x^2+2f(x)x-f(x)-x+1$$

Sequence: A349186
Score: 10.4244
Type of gen. func.: ogf

$$-\frac{x^2+(5x^4+2x^2-4x+1)^{1/2}+2x-1}{2x^3}$$

Sequence: A349186
Score: 9.90966
Type of gen. func.: ogf

$$-f(x)^2 x^3-f(x)x^2-2f(x)x+f(x)+x-1$$

Sequence: A349201
Score: 8.94955
Type of gen. func.: ogf

$$-\frac{x\,(x^6 - x^5 - 3\,x^4 + 2\,x^3 - x^2 - 3\,x - 1)}{(x + 1)^3\,(x - 1)^4}$$

Sequence: A349201
Score: 9.79186
Type of gen. func.: ogf

$$-\frac{x\,(x^6 - x^5 - 3\,x^4 + 2\,x^3 - x^2 - 3\,x - 1)}{(x + 1)^3\,(x - 1)^4}$$

Sequence: A349253
Score: 9.72666
Type of gen. func.: ogf

$$2\,f(x)^3\,x^2 - 2\,f(x)^3\,x - f(x)\,x + f(x) - 1$$

Sequence: A349254
Score: 8.68036
Type of gen. func.: ogf

$$3\,f(x)^3\,x^2 - 3\,f(x)^3\,x - f(x)\,x + f(x) - 1$$

Sequence: A349255
Score: 9.51399
Type of gen. func.: ogf

$$2\,f(x)^3\,x^2 + 2\,f(x)^3\,x - f(x)\,x - f(x) + 1$$

Sequence: A349256
Score: 9.14282
Type of gen. func.: ogf

$$3 f(x)^3 x^2 + 3 f(x)^3 x - f(x) x - f(x) + 1$$

Sequence: A349294
Score: 2.48225
Type of gen. func.: ogf

$$-\frac{32 x^{27} + 64 x^{26} + 37 x^3 + 38 x^2 + 20 x + 8}{96 x^{27} - 64 x^{26} - 37 x^5 + 36 x^4 + 19 x^3 - 6 x^2 - 4 x - 8}$$

Sequence: A349294
Score: 2.6437
Type of gen. func.: ogf

$$-\frac{32 x^{27} + 64 x^{26} + 37 x^3 + 38 x^2 + 20 x + 8}{96 x^{27} - 64 x^{26} - 37 x^5 + 36 x^4 + 19 x^3 - 6 x^2 - 4 x - 8}$$

Sequence: A349315
Score: 16.9073
Type of gen. func.: ogf

$$\frac{10 x^{11} - 10 x^{10} + 1}{(x - 1)^2}$$

Sequence: A349315
Score: 20.2063
Type of gen. func.: ogf

$$\frac{10 x^{11} - 10 x^{10} + 1}{(x - 1)^2}$$

Sequence: A349318
Score: 11.5466

```
Type of gen. func.: ogf


                          3
                      f(x)  x + 2 f(x) x - f(x) - 2 x + 1



-------------------------------------------------------------------------------

Sequence:  A349324
Score: 15.1283
Type of gen. func.: ogf

                               15697403475 (x + 1)
                             - -------------------
                                           3
                                    (x - 1)



-------------------------------------------------------------------------------

Sequence:  A349324
Score: 18.2316
Type of gen. func.: ogf

                               15697403475 (x + 1)
                             - -------------------
                                           3
                                    (x - 1)



-------------------------------------------------------------------------------

Sequence:  A349324
Score: 5.19001
Type of gen. func.: ogf


(236 f(x) - 5038866515475)

           3           2
    (f(x) x  - 3 f(x) x  + 3 f(x) x - f(x) + 15697403475 x + 15697403475)



-------------------------------------------------------------------------------

Sequence:  A349324
Score: 5.2669
Type of gen. func.: ogf


{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 15697403475,

    a(1) = 62789613900, a(2) = 141276631275}



-------------------------------------------------------------------------------

Sequence:  A349407
Score: 4.9401
Type of gen. func.: ogf


  11    10      9      8      7      6       5      4       3      2
```

$$(x + x + 7 x + 3 x + 3 x + 5 x + 17 x + 3 x + 11 x + 3 x + x + 1) / ((x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2)$$

Sequence: A349407
Score: 5.18557
Type of gen. func.: ogf

$$(x^{11} + x^{10} + 7 x^9 + 3 x^8 + 3 x^7 + 5 x^6 + 17 x^5 + 3 x^4 + 11 x^3 + 3 x^2 + x + 1) / ((x - 1)^2 (x + 1)^2 (x^2 + x + 1)^2 (x^2 - x + 1)^2)$$

Sequence: A349414
Score: 8.41562
Type of gen. func.: ogf

$$- \frac{x (x^4 + x^2 - x + 1)}{(x - 1) (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A349414
Score: 9.28997
Type of gen. func.: ogf

$$- \frac{x (x^4 + x^2 - x + 1)}{(x - 1) (x + 1)^2 (x^2 + 1)^2}$$

Sequence: A349415
Score: 8.64955
Type of gen. func.: ogf

$$\frac{8 x^6 - 48 x^5 + 124 x^4 - 180 x^3 + 145 x^2 - 60 x + 10}{(2 x - 1)^4 (x - 1)^4}$$

Sequence: A349415
Score: 9.45416
Type of gen. func.: ogf

$$\frac{8 x^6 - 48 x^5 + 124 x^4 - 180 x^3 + 145 x^2 - 60 x + 10}{(2 x - 1)^4 (x - 1)^4}$$

Sequence: A349416
Score: 15.8125
Type of gen. func.: ogf

$$-\frac{9 x^3 - 34 x^2 + 46 x - 25}{(x - 1)^4}$$

Sequence: A349416
Score: 18.4479
Type of gen. func.: ogf

$$-\frac{9 x^3 - 34 x^2 + 46 x - 25}{(x - 1)^4}$$

Sequence: A349416
Score: 5.86424
Type of gen. func.: ogf

$$(332544 f(x) + 4355663) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 9 x^3 - 4 f(x) x - 34 x^2 + f(x) + 46 x - 25)$$

Sequence: A349416
Score: 6.325
Type of gen. func.: ogf

{-a(n + 4) + 4 a(n + 3) - 6 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 25, a(1) = 54,

a(2) = 100, a(3) = 167}

Sequence: A349417
Score: 15.4006
Type of gen. func.: ogf

$$-\frac{(2 x - 3) (2 x^2 - 4 x + 3)}{(x - 1)^4}$$

Sequence: A349417
Score: 17.915
Type of gen. func.: ogf

$$-\frac{(2 x - 3) (2 x^2 - 4 x + 3)}{(x - 1)^4}$$

Sequence: A349417
Score: 6.27024
Type of gen. func.: ogf

$$(3 f(x) + 37) \left(f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 4 x^3 - 4 f(x) x - 14 x^2 + f(x) + 18 x - 9 \right)$$

Sequence: A349417
Score: 6.40754
Type of gen. func.: ogf

$$\{a(n + 4) - 4 a(n + 3) + 6 a(n + 2) - 4 a(n + 1) + a(n), a(0) = 9, a(1) = 18, a(2) = 32, a(3) = 52\}$$

Sequence: A349418
Score: 15.1802
Type of gen. func.: ogf

$$-\frac{(3 x - 4) (3 x^2 - 6 x + 4)}{(x - 1)^4}$$

Sequence: A349418
Score: 17.6586
Type of gen. func.: ogf

$$-\frac{(3x-4)(3x^2-6x+4)}{(x-1)^4}$$

Sequence: A349418
Score: 6.00884
Type of gen. func.: ogf

$$(32 f(x) + 1387) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 + 9 x^3 - 4 f(x) x - 30 x^2 + f(x) + 36 x - 16)$$

Sequence: A349418
Score: 6.27009
Type of gen. func.: ogf

{-a(n + 4) + 4 a(n + 3) - 6 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 16, a(1) = 28,

a(2) = 46, a(3) = 71}

Sequence: A349427
Score: 3.23281
Type of gen. func.: ogf

{-a(n + 4) n + 7 a(n + 3) n - 14 a(n + 2) n + 8 a(n + 1) n - 3 a(n + 4)

+ 21 a(n + 3) - 28 a(n + 2) + 4 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 7,

a(3) = 42}

Sequence: A349427
Score: 8.29755
Type of gen. func.: ogf

$$\frac{-I x (2x-1)(x-1)}{(4x-1)^{5/2} \operatorname{csgn}((4x-1) I)}$$

Sequence: A349458
Score: 6.92481
Type of gen. func.: ogf

$$2 f(x)^{3} x^{3} - f(x)^{3} x^{2} - 2 f(x)^{2} x^{2} + 2 f(x)^{2} x - f(x) + 1$$

Sequence: A349466
Score: 10.9613
Type of gen. func.: ogf

$$\frac{1}{(16 x - 1) (18 x - 1) (12 x - 1) (24 x - 1)}$$

Sequence: A349466
Score: 12.6158
Type of gen. func.: ogf

$$\frac{1}{(16 x - 1) (18 x - 1) (12 x - 1) (24 x - 1)}$$

Sequence: A349466
Score: 4.3138
Type of gen. func.: ogf

$$\{-a(n + 4) + 70 a(n + 3) - 1800 a(n + 2) + 20160 a(n + 1) - 82944 a(n),$$

$$a(0) = 1, a(1) = 70, a(2) = 3100, a(3) = 111160\}$$

Sequence: A349466
Score: 4.67579
Type of gen. func.: ogf

$$(17288029 f(x) + 12151296)$$

$$(82944 f(x) x^{4} - 20160 f(x) x^{3} + 1800 f(x) x^{2} - 70 f(x) x + f(x) - 1)$$

Sequence: A349468

Score: 14.0819
Type of gen. func.: egf]

$$\mathrm{hypergeom}([1/4, 3/4], [1], 64 x)$$

Sequence: A349468
Score: 4.75739
Type of gen. func.: ogf

$$\{-64 a(n + 1) n^2 + a(n + 2) n - 192 a(n + 1) n + 2 a(n + 2) - 140 a(n + 1),$$
$$a(0) = 1, a(1) = 12\}$$

Sequence: A349496
Score: 10.5766
Type of gen. func.: ogf

$$-\frac{2 (46 x^{12} - 96 x^{11} + 50 x^{10} + 6 x^3 - 17 x^2 + 14 x + 1)}{(x - 1)^3}$$

Sequence: A349496
Score: 11.6755
Type of gen. func.: ogf

$$-\frac{2 (46 x^{12} - 96 x^{11} + 50 x^{10} + 6 x^3 - 17 x^2 + 14 x + 1)}{(x - 1)^3}$$

Sequence: A349513
Score: 11.7659
Type of gen. func.: egf]

$$-\frac{\exp(2 x) \mathrm{BesselI}(0, 2 x)}{x - 1}$$

Sequence: A349513
Score: 3.18553
Type of gen. func.: ogf

$\{a(n + 2) n^2 - 4 a(n + 1) n^2 + 10 a(n + 2) n - 18 a(n + 1) n - a(n + 3) n$

$+ 19 a(n + 2) - 20 a(n + 1) - 3 a(n + 3), a(0) = 1, a(1) = 3, a(2) = 12\}$

Sequence: A349514
Score: 12.4361
Type of gen. func.: ogf

$$f(x)^3 x + 3 f(x) x - f(x) + 1$$

Sequence: A349515
Score: 11.6275
Type of gen. func.: ogf

$$f(x)^3 x + 4 f(x) x - f(x) + 1$$

Sequence: A349516
Score: 11.4783
Type of gen. func.: ogf

$$-3 f(x)^3 x - f(x) x + f(x) - 1$$

Sequence: A349517
Score: 12.4764
Type of gen. func.: ogf

$$-4 f(x)^3 x - f(x) x + f(x) - 1$$

Sequence: A349531
Score: 12.1438
Type of gen. func.: ogf

$$f(x)^3 x + 3 f(x) x - f(x) - 3 x + 1$$

Sequence: A349532

Score: 11.6282
Type of gen. func.: ogf

$$f(x)^{3} x + 4 f(x) x - f(x) - 4 x + 1$$

Sequence: A349533
Score: 9.31327
Type of gen. func.: ogf

$$-2 f(x)^{3} x^{2} + f(x)^{3} x + 2 f(x) x - f(x) + 1$$

Sequence: A349534
Score: 8.93587
Type of gen. func.: ogf

$$3 f(x)^{3} x^{2} - f(x)^{3} x - 3 f(x) x + f(x) - 1$$

Sequence: A349535
Score: 8.44252
Type of gen. func.: ogf

$$4 f(x)^{3} x^{2} - f(x)^{3} x - 4 f(x) x + f(x) - 1$$

Sequence: A349540
Score: 4.27567
Type of gen. func.: ogf

$$\{a(n + 3) n - 2 a(n + 2) n - 35 a(n + 1) n + 4 a(n + 3) - 12 a(n + 2) - 70 a(n + 1), a(0) = 1, a(1) = 4, a(2) = 25\}$$

Sequence: A349540
Score: 8.45527
Type of gen. func.: ogf

$$\frac{1/6 \, I \left((5 x + 1)^{1/2} + (7 x - 1)^{1/2} I\right)}{x (7 x - 1)^{1/2}}$$

Sequence: A349540
Score: 9.64767
Type of gen. func.: ogf

$$21 f(x)^{2} x^{2} - 3 f(x)^{2} x + 7 f(x) x - f(x) + 1$$

Sequence: A349541
Score: 4.27856
Type of gen. func.: ogf

$$\{a(n + 3) n - 2 a(n + 2) n - 63 a(n + 1) n + 4 a(n + 3) - 14 a(n + 2) - 126 a(n + 1), a(0) = 1, a(1) = 5, a(2) = 41\}$$

Sequence: A349541
Score: 8.50905
Type of gen. func.: ogf

$$\frac{1/8 I ((7 x + 1)^{1/2} + (9 x - 1)^{1/2} I)}{x (9 x - 1)^{1/2}}$$

Sequence: A349541
Score: 9.70904
Type of gen. func.: ogf

$$-36 f(x)^{2} x^{2} + 4 f(x)^{2} x - 9 f(x) x + f(x) - 1$$

Sequence: A349554
Score: 6.01904
Type of gen. func.: ogf

$$- \frac{5 (4 x - 1)^{1/2} x^{2} + 2 (4 x - 1)^{1/2} x + (4 x - 1)^{1/2} - I}{(x + 1) x^{2} (4 x - 1)^{1/2}}$$

Sequence: A349581
Score: 4.27714
Type of gen. func.: ogf

$$-\mathrm{hypergeom}\left(\left[\frac{-1}{24}, 5/24\right], [2/3], -\frac{256\ x}{27\ (2\ x - 1)}\right)\ \mathrm{hypergeom}\left(\left[7/24, \frac{13}{24}\right], [4/3], -\frac{256\ x}{27\ (2\ x - 1)}\right)/(2\ x - 1)$$

Sequence: A349594
Score: 14.5111
Type of gen. func.: ogf

$$\frac{x - 1}{(2\ x - 1)\ (4\ x^{2} - 6\ x + 1)}$$

Sequence: A349594
Score: 17.0909
Type of gen. func.: ogf

$$\frac{x - 1}{(2\ x - 1)\ (4\ x^{2} - 6\ x + 1)}$$

Sequence: A349594
Score: 6.92873
Type of gen. func.: ogf

$$-(609\ f(x) - 59)\ (8\ f(x)\ x^{3} - 16\ f(x)\ x^{2} + 8\ f(x)\ x - f(x) - x + 1)$$

Sequence: A349594
Score: 7.25556
Type of gen. func.: ogf

$$\{-a(n + 3) + 8\ a(n + 2) - 16\ a(n + 1) + 8\ a(n),\ a(0) = 1,\ a(1) = 7,\ a(2) = 40\}$$

Sequence: A349595
Score: 11.8472
Type of gen. func.: ogf

$$-\frac{x^3 (x^3 - x^2 - x + 2)}{x - 1}$$

Sequence: A349595
Score: 13.7814
Type of gen. func.: ogf

$$-\frac{x^3 (x^3 - x^2 - x + 2)}{x - 1}$$

Sequence: A349595
Score: 5.62742
Type of gen. func.: ogf

{-a(n + 7) + a(n + 6), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 2, a(4) = 1,

a(5) = 0, a(6) = 1}

Sequence: A349640
Score: 11.7525
Type of gen. func.: egf]

$$\frac{-1/2 I \exp(x) (I - (4 x - 1)^{1/2})}{x}$$

Sequence: A349673
Score: 13.5421
Type of gen. func.: ogf

$$-\frac{54 x^{27} + 18 x^9 + 6 x^3 + 2 x + 1}{x - 1}$$

Sequence: A349673
Score: 15.4767
Type of gen. func.: ogf

$$-\frac{54 x^{27} + 18 x^{9} + 6 x^{3} + 2 x + 1}{x - 1}$$

Sequence: A349682
Score: 15.8216
Type of gen. func.: ogf

$$\frac{10 x^{3} + 125 x^{2} + 80 x + 1}{(x - 1)^{4}}$$

Sequence: A349682
Score: 18.6343
Type of gen. func.: ogf

$$\frac{10 x^{3} + 125 x^{2} + 80 x + 1}{(x - 1)^{4}}$$

Sequence: A349682
Score: 5.62781
Type of gen. func.: ogf

$$(6885 f(x) + 520208) (f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 10 x^{3} - 4 f(x) x - 125 x^{2} + f(x) - 80 x - 1)$$

Sequence: A349682
Score: 5.9896
Type of gen. func.: ogf

$$\{-a(n + 4) + 4 a(n + 3) - 6 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 1, a(1) = 84, a(2) = 455, a(3) = 1330\}$$

Sequence: A349695
Score: 5.39978
Type of gen. func.: ogf

$$(8 I x^2 - 2 (4 x - 1)^{1/2} x^2 - 9 I x + 5 (4 x - 1)^{1/2} x + 2 I - 2 (4 x - 1)^{1/2}) \Big/ (2 x^3 (4 x - 1)^{1/2})$$

Sequence: A349695
Score: 6.08007
Type of gen. func.: ogf

$$-4 f(x)^2 x^4 + f(x)^2 x^3 - 8 f(x) x^3 + 22 f(x) x^2 - 13 f(x) x - 4 x^2 + 2 f(x) + 5 x - 2$$

Sequence: A349700
Score: 5.04848
Type of gen. func.: ogf

$\{a(n + 6) - a(n + 4) - 4 a(n + 3) - a(n + 2) + a(n), a(0) = -6, a(1) = 4, a(2) = 6, a(3) = 0, a(4) = 18, a(5) = 24\}$

Sequence: A349700
Score: 7.0413
Type of gen. func.: ogf

$$-\frac{2 (2 x^5 - x^4 - 10 x^3 - 6 x^2 - 2 x + 3)}{(x^3 + x^2 + x - 1) (x^3 - x^2 - x - 1)}$$

Sequence: A349700
Score: 7.57272
Type of gen. func.: ogf

$$-\frac{2 (2 x^5 - x^4 - 10 x^3 - 6 x^2 - 2 x + 3)}{(x^3 + x^2 + x - 1) (x^3 - x^2 - x - 1)}$$

Sequence: A349704
Score: 6.80012

Type of gen. func.: ogf

$$-\frac{x^2 (x^2 + 1) (x^{10} - 2 x^8 - 2 x^7 + x^6 + 4 x^5 - 2 x^2 - 1)}{(x^2 + x + 1)^2 (x - 1)^4}$$

Sequence: A349704
Score: 7.27733
Type of gen. func.: ogf

$$-\frac{x^2 (x^2 + 1) (x^{10} - 2 x^8 - 2 x^7 + x^6 + 4 x^5 - 2 x^2 - 1)}{(x^2 + x + 1)^2 (x - 1)^4}$$

Sequence: A349707
Score: 7.10003
Type of gen. func.: ogf

$$\frac{x (x + 1) (x^5 + 2 x^3 + 2 x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A349707
Score: 7.62113
Type of gen. func.: ogf

$$\frac{x (x + 1) (x^5 + 2 x^3 + 2 x + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A349713
Score: 10.213
Type of gen. func.: ogf

$$f(x)^2 x^4 - 2 f(x)^2 x^2 - 4 f(x)^2 x + f(x)^2 - 1$$

Sequence: A349713

Score: 20.177
Type of gen. func.: ogf

$$\frac{1}{(x^4 - 2 x^2 - 4 x + 1)^{1/2}}$$

Sequence: A349713
Score: 3.39039
Type of gen. func.: ogf

{-a(n + 5) n + 4 a(n + 4) n + 2 a(n + 3) n - a(n + 1) n - 5 a(n + 5) + 18 a(n + 4) + 8 a(n + 3) - 3 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 7, a(3) = 26, a(4) = 101}

Sequence: A349723
Score: 11.2977
Type of gen. func.: ogf

$$\frac{x^4 - x^3 - 2 x^2 + 3 x + 1}{(x + 1) (x - 1)^4}$$

Sequence: A349723
Score: 12.7794
Type of gen. func.: ogf

$$\frac{x^4 - x^3 - 2 x^2 + 3 x + 1}{(x + 1) (x - 1)^4}$$

Sequence: A349723
Score: 4.66792
Type of gen. func.: ogf

{a(n + 5) - 3 a(n + 4) + 2 a(n + 3) + 2 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 1, a(1) = 6, a(2) = 14, a(3) = 27, a(4) = 45}

Sequence: A349766
Score: 10.91
Type of gen. func.: ogf

$$\frac{2\,(x^2 - 42\,x - 7)}{(x - 1)\,(x^2 - 34\,x + 1)}$$

Sequence: A349766
Score: 12.3893
Type of gen. func.: ogf

$$\frac{2\,(x^2 - 42\,x - 7)}{(x - 1)\,(x^2 - 34\,x + 1)}$$

Sequence: A349766
Score: 5.80134
Type of gen. func.: ogf

$$(4823280\,f(x) - 432167)\,(f(x)\,x^3 - 35\,f(x)\,x^2 + 35\,f(x)\,x - 2\,x^2 - f(x) + 84\,x + 14)$$

Sequence: A349766
Score: 6.46875
Type of gen. func.: ogf

$$\{a(n + 3) - 35\,a(n + 2) + 35\,a(n + 1) - a(n),\ a(0) = 14,\ a(1) = 574,\ a(2) = 19598\}$$

Sequence: A349767
Score: 10.803
Type of gen. func.: ogf

$$\frac{3\,x^4 + x^3 + 2\,x^2 + 11\,x + 3}{(x + 1)\,(x^2 + 1)\,(x - 1)^2}$$

Sequence: A349767
Score: 11.911
Type of gen. func.: ogf

$$\frac{3 x^4 + x^3 + 2 x^2 + 11 x + 3}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A349767
Score: 7.03831
Type of gen. func.: ogf

$$\{a(n + 5) - a(n + 4) - a(n + 1) + a(n), a(0) = 3, a(1) = 14, a(2) = 16, a(3) = 17, a(4) = 23\}$$

Sequence: A349781
Score: 3.22842
Type of gen. func.: ogf

$$\{a(n) n^3 - 3 a(n + 1) n^2 + 3 a(n) n^2 + 3 a(n + 2) n - 10 a(n + 1) n + 2 a(n) n - a(n + 3) + 7 a(n + 2) - 8 a(n + 1), a(0) = 0, a(1) = 0, a(2) = 1\}$$

Sequence: A349781
Score: 6.42827
Type of gen. func.: egf]

$$\frac{\exp(- \frac{1}{x - 1}) x - \exp(- \frac{1}{x - 1}) + \exp(1)}{(x - 1) \exp(1)}$$

Sequence: A349803
Score: 6.82707
Type of gen. func.: ogf

$$- \frac{5 x^6 - 3 x^5 + 3 x^4 - 2 x^3 + 3 x^2 + x + 1}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A349803
Score: 7.44073
Type of gen. func.: ogf

$$-\frac{5 x^6 - 3 x^5 + 3 x^4 - 2 x^3 + 3 x^2 + x + 1}{(x^2 + x + 1)^2 (x - 1)^3}$$

Sequence: A349808
Score: 22.0358
Type of gen. func.: ogf

$$\frac{21 x^3 - 43 x^2 - 47 x - 1}{(x - 1)^3}$$

Sequence: A349808
Score: 26.0423
Type of gen. func.: ogf

$$\frac{21 x^3 - 43 x^2 - 47 x - 1}{(x - 1)^3}$$

Sequence: A349808
Score: 8.81431
Type of gen. func.: ogf

$$-(37 f(x) - 3027)$$

$$(f(x) x^3 - 3 f(x) x^2 - 21 x^3 + 3 f(x) x + 43 x^2 - f(x) + 47 x + 1)$$

Sequence: A349808
Score: 8.88264
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) + 3 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 50, a(2) = 190,

a(3) = 400}

Sequence: A349817
Score: 10.3493
Type of gen. func.: ogf

$$\frac{x^4 - 5 x^3 - 14 x^2 + 11 x + 1}{(x + 1) (x^2 - 5 x + 1)}$$

Sequence: A349817
Score: 11.5154
Type of gen. func.: ogf

$$\frac{x^4 - 5 x^3 - 14 x^2 + 11 x + 1}{(x + 1) (x^2 - 5 x + 1)}$$

Sequence: A349817
Score: 5.71744
Type of gen. func.: ogf

$$-(38245 f(x) - 1051241)$$

$$(f(x) x^3 - x^4 - 4 f(x) x^2 + 5 x^3 - 4 f(x) x + 14 x^2 + f(x) - 11 x - 1)$$

Sequence: A349817
Score: 5.71744
Type of gen. func.: ogf

$\{-a(n + 5) + 4 a(n + 4) + 4 a(n + 3) - a(n + 2), a(0) = 1, a(1) = 15, a(2) = 50,$

$a(3) = 254, a(4) = 1202\}$

Sequence: A349834
Score: 10.556
Type of gen. func.: ogf

$$-16 f(x)^2 x^2 + 8 f(x)^2 x - f(x)^2 + 4 x + 1$$

Sequence: A349834
Score: 17.5075
Type of gen. func.: ogf

$$-\frac{(4 x + 1)^{1/2}}{4 x - 1}$$

Sequence: A349834
Score: 4.81751
Type of gen. func.: ogf

{-a(n + 3) n + 16 a(n + 1) n - 3 a(n + 3) + 6 a(n + 2) + 24 a(n + 1), a(0) = 1,

a(1) = 6, a(2) = 22}

Sequence: A349835
Score: 12.8077
Type of gen. func.: ogf

$$4 f(x)^2 x - f(x)^2 + 16 x^2 + 8 x + 1$$

Sequence: A349835
Score: 5.01923
Type of gen. func.: ogf

{a(n + 3) n - 16 a(n + 1) n + 3 a(n + 3) - 6 a(n + 2) - 8 a(n + 1), a(0) = 1,

a(1) = 6, a(2) = 14}

Sequence: A349835
Score: 6.13922
Type of gen. func.: ogf

$$-\frac{4\, 4^{5/8} x^{5/8} \operatorname{LegendreP}(-1/4, 5/4, -\frac{4 x + 1}{4 x - 1}) \operatorname{GAMMA}(3/4)}{(1 - 4 x)^{3/4}}$$

Sequence: A349840
Score: 11.1906

Type of gen. func.: ogf

$$-\frac{1}{(x^2+1)(x^2+x-1)(x^4+1)}$$

Sequence: A349840
Score: 9.81333
Type of gen. func.: ogf

$$-\frac{1}{(x^2+1)(x^2+x-1)(x^4+1)}$$

Sequence: A349842
Score: 13.9816
Type of gen. func.: ogf

$$-\frac{1}{(2x-1)(x^4+x^3+x^2+x+1)}$$

Sequence: A349842
Score: 16.092
Type of gen. func.: ogf

$$-\frac{1}{(2x-1)(x^4+x^3+x^2+x+1)}$$

Sequence: A349842
Score: 5.20047
Type of gen. func.: ogf

$\{a(n+5) - a(n+4) - a(n+3) - a(n+2) - a(n+1) - 2a(n), a(0) = 1,$

$a(1) = 1, a(2) = 2, a(3) = 4, a(4) = 8\}$

Sequence: A349843
Score: 6.04079
Type of gen. func.: ogf

$$-\frac{1}{(x^2+x-1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)}$$

Sequence: A349843
Score: 6.539
Type of gen. func.: ogf

$$-\frac{1}{(x^2+x-1)(x^4+x^3+x^2+x+1)(x^4-x^3+x^2-x+1)}$$

Sequence: A349844
Score: 13.6605
Type of gen. func.: ogf

$$\frac{(-1)^{3/4}(16x-1)^{1/2}}{(8x-1)^{1/4}}$$

Sequence: A349844
Score: 3.83723
Type of gen. func.: ogf

{-a(n + 3) n + 24 a(n + 2) n - 128 a(n + 1) n - 3 a(n + 3) + 42 a(n + 2)

- 96 a(n + 1), a(0) = -1, a(1) = 6, a(2) = 38}

Sequence: A349845
Score: 14.1049
Type of gen. func.: ogf

$$\frac{(16x-1)^{1/2}\,I}{(8x+1)^{1/4}}$$

Sequence: A349845
Score: 3.84679
Type of gen. func.: ogf

$\{a(n + 3) n - 8 a(n + 2) n - 128 a(n + 1) n + 3 a(n + 3) - 6 a(n + 2) - 96 a(n + 1), a(0) = -1, a(1) = 10, a(2) = 6\}$

Sequence: A349846
Score: 13.2392
Type of gen. func.: ogf

$$-4 f(x)^2 x + f(x)^2 - 64 x^2 + 16 x - 1$$

Sequence: A349846
Score: 21.1112
Type of gen. func.: ogf

$$\frac{8 x - 1}{(1 - 4 x)^{1/2}}$$

Sequence: A349846
Score: 4.41307
Type of gen. func.: ogf

$\{-a(n + 3) n + 12 a(n + 2) n - 32 a(n + 1) n - 3 a(n + 3) + 18 a(n + 2) - 16 a(n + 1), a(0) = -1, a(1) = 6, a(2) = 10\}$

Sequence: A349847
Score: 12.8115
Type of gen. func.: ogf

$$-4 f(x)^2 x + f(x)^2 - 64 x^2 - 16 x - 1$$

Sequence: A349847
Score: 20.4291
Type of gen. func.: ogf

$$\frac{8 x + 1}{(1 - 4 x)^{1/2}}$$

Sequence: A349847
Score: 4.29476
Type of gen. func.: ogf

$$\{a(n + 3) n + 4 a(n + 2) n - 32 a(n + 1) n + 3 a(n + 3) - 2 a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 10, a(2) = 22\}$$

Sequence: A349849
Score: 8.52804
Type of gen. func.: ogf

$$-\frac{x^{2} (144 x^{6} + 534 x^{5} + 435 x^{4} + 350 x^{3} + 180 x^{2} + 36 x + 1)}{(x - 1)^{9}}$$

Sequence: A349849
Score: 9.34024
Type of gen. func.: ogf

$$-\frac{x^{2} (144 x^{6} + 534 x^{5} + 435 x^{4} + 350 x^{3} + 180 x^{2} + 36 x + 1)}{(x - 1)^{9}}$$

Sequence: A349895
Score: 6.8498
Type of gen. func.: ogf

$$\frac{x (x^{9} - x^{8} - 2 x^{6} - 2 x^{5} - 2 x^{2} - x - 1)}{(x^{2} + 1) (x^{4} + 1) (x + 1)^{2} (x - 1)^{3}}$$

Sequence: A349895
Score: 7.33474
Type of gen. func.: ogf

$$\frac{x (x^{9} - x^{8} - 2 x^{6} - 2 x^{5} - 2 x^{2} - x - 1)}{(x^{2} + 1) (x^{4} + 1) (x + 1)^{2} (x - 1)^{3}}$$

Sequence: A349919
Score: 21.0532
Type of gen. func.: ogf

$$-\frac{x^2 (5 x^2 + 2 x + 5)}{(x - 1)^5}$$

Sequence: A349919
Score: 25.1611
Type of gen. func.: ogf

$$-\frac{x^2 (5 x^2 + 2 x + 5)}{(x - 1)^5}$$

Sequence: A349919
Score: 6.21449
Type of gen. func.: ogf

{a(n + 5) - 5 a(n + 4) + 10 a(n + 3) - 10 a(n + 2) + 5 a(n + 1) - a(n),

a(0) = 0, a(1) = 0, a(2) = 5, a(3) = 27, a(4) = 90}

Sequence: A349927
Score: 10.7001
Type of gen. func.: ogf

$$-\frac{x^2 (21 x^4 + 51 x^3 + 17 x^2 + 29 x + 2)}{(x - 1)^7}$$

Sequence: A349927
Score: 12.1034
Type of gen. func.: ogf

$$x^2 (21 x^4 + 51 x^3 + 17 x^2 + 29 x + 2)$$
$$- \text{-----------------------------------}$$

$$(x-1)^7$$

Sequence: A349948
Score: 11.9784
Type of gen. func.: ogf

$$\frac{2\,x\,(x-5)}{(x-1)\,(x^2-4\,x+1)}$$

Sequence: A349948
Score: 13.7865
Type of gen. func.: ogf

$$\frac{2\,x\,(x-5)}{(x-1)\,(x^2-4\,x+1)}$$

Sequence: A349948
Score: 6.64259
Type of gen. func.: ogf

$$(12\,f(x)+25)\,(f(x)\,x^3-5\,f(x)\,x^2+5\,f(x)\,x-2\,x^2-f(x)+10\,x)$$

Sequence: A349948
Score: 6.9589
Type of gen. func.: ogf

$$\{-a(n+3)+5\,a(n+2)-5\,a(n+1)+a(n),\ a(0)=0,\ a(1)=10,\ a(2)=48\}$$

Sequence: A349975
Score: 10.9173
Type of gen. func.: ogf

$$\frac{x^4\,(x^2+2\,x+3)}{(x+1)\,(x^2+x+1)\,(x-1)^4}$$

Sequence: A349975
Score: 12.1831
Type of gen. func.: ogf

$$\frac{x^{4} (x^{2} + 2 x + 3)}{(x + 1) (x^{2} + x + 1) (x - 1)^{4}}$$

Sequence: A350034
Score: 4.93051
Type of gen. func.: ogf

$$\frac{x (4 x^{10} + x^{9} + x^{8} + 2 x^{7} + 24 x^{6} + x^{5} + 26 x^{4} + 2 x^{3} + x^{2} + x + 6)}{(x - 1)^{2} (x + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2}}$$

Sequence: A350034
Score: 5.18335
Type of gen. func.: ogf

$$\frac{x (4 x^{10} + x^{9} + x^{8} + 2 x^{7} + 24 x^{6} + x^{5} + 26 x^{4} + 2 x^{3} + x^{2} + x + 6)}{(x - 1)^{2} (x + 1)^{2} (x^{2} + x + 1)^{2} (x^{2} - x + 1)^{2}}$$

Sequence: A350042
Score: 10.0377
Type of gen. func.: ogf

$$\frac{x^{3} (3 x^{4} + 4 x^{3} + 4 x^{2} + 4 x + 3)}{(x + 1)^{2} (x^{2} + x + 1)^{2} (x - 1)^{4}}$$

Sequence: A350042
Score: 9.17426
Type of gen. func.: ogf

$$\frac{x^{3} (3 x^{4} + 4 x^{3} + 4 x^{2} + 4 x + 3)}{{}^{2} \quad {}^{2} \quad {}^{2} \quad {}^{4}}$$

$$(x + 1)\ \ (x\ \ + x + 1)\ \ (x - 1)$$

Sequence: A350043
Score: 6.74072
Type of gen. func.: ogf

$$-\frac{x (x^9 - x^8 - 3 x^7 + 5 x^5 + 6 x^4 - 6 x^3 - 11 x^2 - 7 x - 2)}{(x + 1)^2 (x^2 + x + 1)^2 (x - 1)^4}$$

Sequence: A350043
Score: 7.18273
Type of gen. func.: ogf

$$-\frac{x (x^9 - x^8 - 3 x^7 + 5 x^5 + 6 x^4 - 6 x^3 - 11 x^2 - 7 x - 2)}{(x + 1)^2 (x^2 + x + 1)^2 (x - 1)^4}$$

Sequence: A350050
Score: 14.7772
Type of gen. func.: ogf

$$-\frac{2 x^3 (x^2 + 1)}{(x + 1)^3 (x - 1)^5}$$

Sequence: A350050
Score: 17.1898
Type of gen. func.: ogf

$$-\frac{2 x^3 (x^2 + 1)}{(x + 1)^3 (x - 1)^5}$$

Sequence: A350050
Score: 4.12893
Type of gen. func.: ogf

$\{-a(n+5)\,n + a(n+1)\,n - 2\,a(n+5) + 2\,a(n+4) + 10\,a(n+3) + 2\,a(n+2) + 4\,a(n+1),\ a(0) = 0,\ a(1) = 0,\ a(2) = 0,\ a(3) = 2,\ a(4) = 4\}$

Sequence: A350051
Score: 20.4888
Type of gen. func.: ogf

$$\frac{5x + 19}{(x-1)^2}$$

Sequence: A350051
Score: 26.793
Type of gen. func.: ogf

$$\frac{5x + 19}{(x-1)^2}$$

Sequence: A350051
Score: 7.82718
Type of gen. func.: ogf

$$(48 f(x) + 937)\,(f(x)\,x^2 - 2 f(x)\,x + f(x) - 5x - 19)$$

Sequence: A350051
Score: 9.16604
Type of gen. func.: ogf

$$\{-a(n+2) + 2\,a(n+1) - a(n),\ a(0) = 19,\ a(1) = 43\}$$

Sequence: A350052
Score: 20.4888
Type of gen. func.: ogf

$$\frac{7x + 17}{(x-1)^2}$$

Sequence: A350052
Score: 26.793
Type of gen. func.: ogf

$$\frac{7 x + 17}{(x - 1)^2}$$

Sequence: A350052
Score: 7.82718
Type of gen. func.: ogf

$$(48 f(x) + 865) (f(x) x^2 - 2 f(x) x + f(x) - 7 x - 17)$$

Sequence: A350052
Score: 9.16604
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 17, a(1) = 41\}$$

Sequence: A350053
Score: 4.72045
Type of gen. func.: ogf

$$-(89201777 f(x) - 163145617) (64 f(x) x^4 - 65 f(x) x^2 + 64 x^3 - 32 x^2 + f(x) - 113 x - 3)$$

Sequence: A350053
Score: 5.55866
Type of gen. func.: ogf

$$\{-a(n + 4) + 65 a(n + 2) - 64 a(n), a(0) = 3, a(1) = 113, a(2) = 227, a(3) = 7281\}$$

Sequence: A350053
Score: 6.39545
Type of gen. func.: ogf

$$-\frac{64 x^3 - 32 x^2 - 113 x - 3}{(x - 1) (8 x - 1) (8 x + 1) (x + 1)}$$

Sequence: A350053
Score: 6.99737
Type of gen. func.: ogf

$$-\frac{64 x^3 - 32 x^2 - 113 x - 3}{(x - 1) (8 x - 1) (8 x + 1) (x + 1)}$$

Sequence: A350054
Score: 10.8052
Type of gen. func.: ogf

$$-\frac{64 x - 113}{(64 x - 1) (x - 1)}$$

Sequence: A350054
Score: 12.7261
Type of gen. func.: ogf

$$-\frac{64 x - 113}{(64 x - 1) (x - 1)}$$

Sequence: A350054
Score: 5.67005
Type of gen. func.: ogf

$$(458801 f(x) + 1168448) (64 f(x) x^2 - 65 f(x) x + f(x) + 64 x - 113)$$

Sequence: A350054
Score: 7.07007
Type of gen. func.: ogf

$$\{-a(n + 2) + 65 a(n + 1) - 64 a(n), a(0) = 113, a(1) = 7281\}$$

Sequence: A350055
Score: 10.8146
Type of gen. func.: ogf

$$(72 f(x) + 2521) (f(x) x^2 - 2 f(x) x + f(x) - x - 35)$$

Sequence: A350055
Score: 12.8067
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 35, a(1) = 71\}$$

Sequence: A350055
Score: 28.6268
Type of gen. func.: ogf

$$\frac{x + 35}{(x - 1)^2}$$

Sequence: A350055
Score: 37.4351
Type of gen. func.: ogf

$$\frac{x + 35}{(x - 1)^2}$$

Sequence: A350114
Score: 5.66867
Type of gen. func.: ogf

$$-f(x)^2 x^3 - 2 f(x)^2 x^2 + f(x) x^3 - f(x)^2 x + 2 f(x) x^2 + 2 f(x) x - x^2 + f(x) - x - 1$$

Sequence: A350116
Score: 16.8931
Type of gen. func.: ogf

$$-\frac{x\,(5 x^{2} - 15 x + 12)}{(x - 1)^{5}}$$

Sequence: A350116
Score: 20.036
Type of gen. func.: ogf

$$-\frac{x\,(5 x^{2} - 15 x + 12)}{(x - 1)^{5}}$$

Sequence: A350116
Score: 5.0383
Type of gen. func.: ogf

{-a(n + 5) + 5 a(n + 4) - 10 a(n + 3) + 10 a(n + 2) - 5 a(n + 1) + a(n),

a(0) = 0, a(1) = 12, a(2) = 45, a(3) = 110, a(4) = 220}

Sequence: A350129
Score: 7.51753
Type of gen. func.: ogf

$$-\frac{x\,(2 x^{3} + 1)\,(x^{4} - x^{3} + 2 x^{2} + x + 1)}{(2 x^{3} - 1)\,(x - 1)^{2}\,(x^{2} + x + 1)^{2}}$$

Sequence: A350129
Score: 8.06928
Type of gen. func.: ogf

$$-\frac{x\,(2 x^{3} + 1)\,(x^{4} - x^{3} + 2 x^{2} + x + 1)}{(2 x^{3} - 1)\,(x - 1)^{2}\,(x^{2} + x + 1)^{2}}$$

Sequence: A350177
Score: 5.23591
Type of gen. func.: ogf

$$\frac{x^3 (x-1)(x+1)(x^2+x+1)(x^2-x+1)(x^4+x^3+2x^2+3x+2)}{x^7+x^6+2x^5+3x^4+2x^3-1}$$

Sequence: A350177
Score: 5.50968
Type of gen. func.: ogf

$$\frac{x^3 (x-1)(x+1)(x^2+x+1)(x^2-x+1)(x^4+x^3+2x^2+3x+2)}{x^7+x^6+2x^5+3x^4+2x^3-1}$$

Sequence: A350236
Score: 8.73609
Type of gen. func.: ogf

$$-\frac{2x^6+12x^5+45x^4+42x^3+36x^2+6x+1}{(x+1)^3 (x-1)^5}$$

Sequence: A350236
Score: 9.55831
Type of gen. func.: ogf

$$-\frac{2x^6+12x^5+45x^4+42x^3+36x^2+6x+1}{(x+1)^3 (x-1)^5}$$

Sequence: A350286
Score: 15.2818
Type of gen. func.: ogf

$$\frac{x(14x^3-63x^2+99x-55)}{(x-1)^7}$$

Sequence: A350286
Score: 17.7767
Type of gen. func.: ogf

$$\frac{x\,(14\,x^3 - 63\,x^2 + 99\,x - 55)}{(x - 1)^7}$$

Sequence: A350290
Score: 3.83548
Type of gen. func.: ogf

$$5\,f(x)^3\,x^3 + 36\,f(x)^3\,x^2 - 5\,f(x)^2\,x^3 + 4\,f(x)^3\,x - 36\,f(x)^2\,x^2 + 4\,f(x)^3 - 4\,f(x)^2\,x + 5\,f(x)\,x^2 - 4\,f(x)^2 - 5\,f(x)\,x + x$$

Sequence: A350295
Score: 16.257
Type of gen. func.: ogf

$$\frac{(2\,x - 3)\,(x^3 - 2\,x + 2)}{(x - 1)^3}$$

Sequence: A350295
Score: 19.1471
Type of gen. func.: ogf

$$\frac{(2\,x - 3)\,(x^3 - 2\,x + 2)}{(x - 1)^3}$$

Sequence: A350295
Score: 6.19871
Type of gen. func.: ogf

$\{a(n + 5) - 3\,a(n + 4) + 3\,a(n + 3) - a(n + 2),\ a(0) = 6,\ a(1) = 8,\ a(2) = 10,$

$a(3) = 15,\ a(4) = 21\}$

Sequence: A350295
Score: 6.2892
Type of gen. func.: ogf

$$-(263 f(x) - 3059)$$

$$(f(x) x^3 - 2 x^4 - 3 f(x) x^2 + 3 x^3 + 3 f(x) x + 4 x^2 - f(x) - 10 x + 6)$$

Sequence: A350303
Score: 12.5913
Type of gen. func.: ogf

$$-\frac{7 x (6 x^4 - 36 x^3 + 84 x^2 - 91 x + 39)}{(x - 1)^9}$$

Sequence: A350303
Score: 14.2426
Type of gen. func.: ogf

$$-\frac{7 x (6 x^4 - 36 x^3 + 84 x^2 - 91 x + 39)}{(x - 1)^9}$$

Sequence: A350327
Score: 4.10085
Type of gen. func.: ogf

$$\frac{x^{10} - x^9 + x^7 - x^6 - x^5 + x^4 + x + 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A350327
Score: 4.39909
Type of gen. func.: ogf

$$x^{10} - x^9 + x^7 - x^6 - x^5 + x^4 + x + 1$$

4 3 2 2

$$(x + x + x + x + 1) (x - 1)$$

Sequence: A350362
Score: 10.7376
Type of gen. func.: ogf

$$\frac{x^{5} - x^{4} + x^{2} - 6}{x - 1}$$

Sequence: A350362
Score: 4.31422
Type of gen. func.: ogf

$\{-a(n + 6) + a(n + 5), a(0) = 6, a(1) = 6, a(2) = 5, a(3) = 5, a(4) = 6, a(5) = 5\}$

Sequence: A350362
Score: 9.11684
Type of gen. func.: ogf

$$\frac{x^{5} - x^{4} + x^{2} - 6}{x - 1}$$

Sequence: A350382
Score: 10.6366
Type of gen. func.: ogf

$$\{a(n + 2) - 11 a(n + 1) + 10 a(n), a(0) = 49, a(1) = 409\}$$

Sequence: A350382
Score: 15.8545
Type of gen. func.: ogf

$$-\frac{130 x - 49}{(10 x - 1) (x - 1)}$$

Sequence: A350382
Score: 18.6731
Type of gen. func.: ogf

$$-\frac{130 x - 49}{(10 x - 1) (x - 1)}$$

Sequence: A350382
Score: 8.40288
Type of gen. func.: ogf

$$-(3519 f(x) - 5150) (10 f(x) x^2 - 11 f(x) x + f(x) + 130 x - 49)$$

Sequence: A350383
Score: 4.831
Type of gen. func.: ogf

$$27 f(x)^3 x^2 + 14 f(x)^3 x - 27 f(x)^2 x^2 + 3 f(x)^3 - 14 f(x)^2 x + 9 f(x) x^2 - 3 f(x)^2 + 3 f(x) x - x^2$$

Sequence: A350384
Score: 12.4245
Type of gen. func.: ogf

$$\{-a(n + 1) - 1728 a(n), a(0) = 1\}$$

Sequence: A350384
Score: 13.2717
Type of gen. func.: ogf

$$1728 f(x) x + f(x) - 1$$

Sequence: A350384
Score: 24.3314
Type of gen. func.: ogf

$$\frac{1}{1728 x + 1}$$

Sequence: A350384
Score: 36.4971
Type of gen. func.: ogf

$$\frac{1}{1728 x + 1}$$

Sequence: A350393
Score: 6.65861
Type of gen. func.: ogf

$$- x^{3} (x^{11} - 3 x^{10} + 6 x^{9} - 9 x^{8} + 10 x^{7} - 9 x^{6} + 4 x^{5} + 2 x^{4} - 6 x^{3} + 8 x^{2} - 6 x + 3) / ((x^{2} + 1) (x - 1)^{3})$$

Sequence: A350393
Score: 7.06216
Type of gen. func.: ogf

$$- x^{3} (x^{11} - 3 x^{10} + 6 x^{9} - 9 x^{8} + 10 x^{7} - 9 x^{6} + 4 x^{5} + 2 x^{4} - 6 x^{3} + 8 x^{2} - 6 x + 3) / ((x^{2} + 1) (x - 1)^{3})$$

Sequence: A350394
Score: 6.32519
Type of gen. func.: ogf

$$x (x^{13} - 3 x^{12} + 6 x^{11} - 9 x^{10} + 10 x^{9} - 9 x^{8} + 4 x^{7} + 2 x^{6} - 6 x^{5} + 8 x^{4} - 6 x^{3} + 2 x^{2} - 1) / ((x^{2} + 1) (x - 1)^{3})$$

Sequence: A350394
Score: 6.68153
Type of gen. func.: ogf

13 12 11 10 9 8 7 6 5 4

$$x (x - 3 x + 6 x - 9 x + 10 x - 9 x + 4 x + 2 x - 6 x + 8 x$$

$$- 6 x^{3} + 2 x^{2} - 1) \Big/ ((x^{2} + 1) (x - 1)^{3})$$

Sequence: A350395
Score: 11.3199
Type of gen. func.: ogf

$$\{a(n + 5) - a(n + 4) - a(n + 3) + a(n + 2), a(0) = 0, a(1) = 3, a(2) = 8,$$

$$a(3) = 11, a(4) = 12\}$$

Sequence: A350395
Score: 12.8168
Type of gen. func.: ogf

$$(352 f(x) + 11387) (f(x) x^{3} + 4 x^{4} - f(x) x^{2} - f(x) x - 5 x^{2} + f(x) - 3 x)$$

Sequence: A350395
Score: 25.4234
Type of gen. func.: ogf

$$- \frac{x (4 x^{3} - 5 x - 3)}{(x + 1) (x - 1)^{2}}$$

Sequence: A350395
Score: 29.2609
Type of gen. func.: ogf

$$- \frac{x (4 x^{3} - 5 x - 3)}{(x + 1) (x - 1)^{2}}$$

Sequence: A350396
Score: 18.3221
Type of gen. func.: ogf

$$^{8} \quad ^{6} \quad ^{4} \quad ^{2}$$

$$\frac{x + x - x + x + x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A350396
Score: 20.4463
Type of gen. func.: ogf

$$\frac{x^8 + x^6 - x^4 + x^2 + x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A350414
Score: 4.8848
Type of gen. func.: ogf

$$- (11 x^{25} + 11 x^{20} + 11 x^{15} + 11 x^{13} + 11 x^{10} + 11 x^9 + 11 x^8 + 6 x^5 + 8 x^4 + 4 x^3 + 2 x^2 + x + 1) / ((x - 1) (x + 1) (x^4 - x^3 + x^2 - x + 1))$$

Sequence: A350414
Score: 5.10558
Type of gen. func.: ogf

$$- (11 x^{25} + 11 x^{20} + 11 x^{15} + 11 x^{13} + 11 x^{10} + 11 x^9 + 11 x^8 + 6 x^5 + 8 x^4 + 4 x^3 + 2 x^2 + x + 1) / ((x - 1) (x + 1) (x^4 - x^3 + x^2 - x + 1))$$

Sequence: A350437
Score: 5.49762
Type of gen. func.: ogf

$$\frac{x^2 (x^{11} + 3 x^{10} + 3 x^9 + x^8 + x^7 - 3 x^5 - 6 x^4 - 4 x^3 - 2 x^2 - 2 x - 1)}{x^7 + 3 x^6 + 3 x^5 + x^4 + x^3 + x^2 - 1}$$

Sequence: A350437
Score: 5.79681
Type of gen. func.: ogf

$$\frac{x^{2} (x^{11} + 3 x^{10} + 3 x^{9} + x^{8} + x^{7} - 3 x^{5} - 6 x^{4} - 4 x^{3} - 2 x^{2} - 2 x - 1)}{x^{7} + 3 x^{6} + 3 x^{5} + x^{4} + x^{3} + x^{2} - 1}$$

Sequence: A350438
Score: 6.19819
Type of gen. func.: ogf

$$\frac{x^{2} (x^{11} + 3 x^{10} + 3 x^{9} + 2 x^{8} - 3 x^{5} - 6 x^{4} - 5 x^{3} - 2 x^{2} - x - 1)}{x^{7} + 3 x^{6} + 3 x^{5} + 2 x^{4} + x^{2} - 1}$$

Sequence: A350438
Score: 6.57671
Type of gen. func.: ogf

$$\frac{x^{2} (x^{11} + 3 x^{10} + 3 x^{9} + 2 x^{8} - 3 x^{5} - 6 x^{4} - 5 x^{3} - 2 x^{2} - x - 1)}{x^{7} + 3 x^{6} + 3 x^{5} + 2 x^{4} + x^{2} - 1}$$

Sequence: A350439
Score: 5.31807
Type of gen. func.: ogf

$$\frac{x^{2} (x^{11} + x^{10} + 5 x^{9} + x^{8} + x^{7} - x^{5} - 6 x^{4} - 6 x^{3} - 2 x^{2} - 2 x - 1)}{x^{7} + x^{6} + 5 x^{5} + x^{4} + x^{3} + x^{2} - 1}$$

Sequence: A350439
Score: 5.60749
Type of gen. func.: ogf

$$\frac{x^{2} (x^{11} + x^{10} + 5 x^{9} + x^{8} + x^{7} - x^{5} - 6 x^{4} - 6 x^{3} - 2 x^{2} - 2 x - 1)}{x^{7} + x^{6} + 5 x^{5} + x^{4} + x^{3} + x^{2} - 1}$$

Sequence: A350440
Score: 5.54522
Type of gen. func.: ogf

$$\frac{x^2 (x^{11} + 2 x^{10} + 4 x^9 + x^8 + x^7 - 2 x^5 - 6 x^4 - 5 x^3 - 2 x^2 - 2 x - 1)}{x^7 + 2 x^6 + 4 x^5 + x^4 + x^3 + x^2 - 1}$$

Sequence: A350440
Score: 5.847
Type of gen. func.: ogf

$$\frac{x^2 (x^{11} + 2 x^{10} + 4 x^9 + x^8 + x^7 - 2 x^5 - 6 x^4 - 5 x^3 - 2 x^2 - 2 x - 1)}{x^7 + 2 x^6 + 4 x^5 + x^4 + x^3 + x^2 - 1}$$

Sequence: A350453
Score: 6.45602
Type of gen. func.: ogf

$$(100 x^9 - 207 x^8 - 190 x^7 + 622 x^6 - 62 x^5 - 656 x^4 + 166 x^3 + 178 x^2 - 142 x - 1) / ((x + 1)^3 (x - 1)^5)$$

Sequence: A350453
Score: 6.89372
Type of gen. func.: ogf

$$(100 x^9 - 207 x^8 - 190 x^7 + 622 x^6 - 62 x^5 - 656 x^4 + 166 x^3 + 178 x^2 - 142 x - 1) / ((x + 1)^3 (x - 1)^5)$$

Sequence: A350461
Score: 3.37929
Type of gen. func.: ogf

$$\{16\, a(n)\, n^3 - 8\, a(n + 1)\, n^2 + 32\, a(n)\, n^2 + a(n + 2)\, n - 24\, a(n + 1)\, n$$
$$+ 12\, a(n)\, n + 2\, a(n + 2) - 18\, a(n + 1),\ a(0) = 1,\ a(1) = 2\}$$

Sequence: A350468
Score: 10.5128
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 14\, a(n),\ a(0) = 1,\ a(1) = 1\}$$

Sequence: A350468
Score: 23.19
Type of gen. func.: ogf

$$- \frac{1}{14\, x^2 + x - 1}$$

Sequence: A350468
Score: 30.3254
Type of gen. func.: ogf

$$- \frac{1}{14\, x^2 + x - 1}$$

Sequence: A350468
Score: 9.16813
Type of gen. func.: ogf

$$(239\, f(x) - 238)\, (14\, f(x)\, x^2 + f(x)\, x - f(x) + 1)$$

Sequence: A350469
Score: 10.2146
Type of gen. func.: ogf

$$\{-a(n + 2) + a(n + 1) + 18\, a(n),\ a(0) = 1,\ a(1) = 1\}$$

Sequence: A350469
Score: 22.5321
Type of gen. func.: ogf

$$-\frac{1}{18 x^2 + x - 1}$$

Sequence: A350469
Score: 29.4651
Type of gen. func.: ogf

$$-\frac{1}{18 x^2 + x - 1}$$

Sequence: A350469
Score: 8.90805
Type of gen. func.: ogf

$$(379 f(x) - 378) (18 f(x) x^2 + f(x) x - f(x) + 1)$$

Sequence: A350471
Score: 10.4177
Type of gen. func.: ogf

$$\frac{365 x^4 + 365 x^3 + 365 x^2 + 365 x + 1}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A350471
Score: 6.41667
Type of gen. func.: ogf

{-a(n + 5) + a(n + 4) + a(n + 1) - a(n), a(0) = 1, a(1) = 366, a(2) = 731,

a(3) = 1096, a(4) = 1462}

Sequence: A350471
Score: 9.52151
Type of gen. func.: ogf

$$\frac{365 x^4 + 365 x^3 + 365 x^2 + 365 x + 1}{(x + 1) (x^2 + 1) (x - 1)^2}$$

Sequence: A350473
Score: 11.0492
Type of gen. func.: ogf

$$- \frac{x (x^2 - 4 x - 1)}{(x^2 + 4 x - 1) (x^2 - x - 1)}$$

Sequence: A350473
Score: 5.40705
Type of gen. func.: ogf

$$-(485 f(x) + 271)$$

$$(f(x) x^4 + 3 f(x) x^3 - 6 f(x) x^2 + x^3 - 3 f(x) x - 4 x^2 + f(x) - x)$$

Sequence: A350473
Score: 5.68951
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) - 6 a(n + 2) + 3 a(n + 1) + a(n), a(0) = 0, a(1) = 1,

a(2) = 7, a(3) = 26}

Sequence: A350473
Score: 9.90123
Type of gen. func.: ogf

$$- \frac{x (x^2 - 4 x - 1)}{(x^2 + 4 x - 1) (x^2 - x - 1)}$$

Sequence: A350498
Score: 17.391

Type of gen. func.: ogf

$$\frac{x}{(x^3 - 3 x^2 + 4 x - 1) (x - 1)^3}$$

Sequence: A350498
Score: 20.4828
Type of gen. func.: ogf

$$\frac{x}{(x^3 - 3 x^2 + 4 x - 1) (x - 1)^3}$$

Sequence: A350498
Score: 4.58569
Type of gen. func.: ogf

{a(n + 6) - 7 a(n + 5) + 18 a(n + 4) - 23 a(n + 3) + 16 a(n + 2) - 6 a(n + 1)

+ a(n), a(0) = 0, a(1) = 1, a(2) = 7, a(3) = 31, a(4) = 114, a(5) = 385}

Sequence: A350513
Score: 3.71405
Type of gen. func.: ogf

{-a(n + 6) + 36 a(n + 5) - 216 a(n + 4) - 972 a(n + 3) + 6561 a(n + 2),

a(0) = 3, a(1) = 21, a(2) = 648, a(3) = 15552, a(4) = 404595,

a(5) = 10812528}

Sequence: A350513
Score: 6.45777
Type of gen. func.: ogf

$$- \frac{3 (32805 x^5 - 4860 x^4 - 108 x^3 + 180 x^2 - 29 x + 1)}{(27 x - 1) (9 x - 1) (27 x^2 - 1)}$$

Sequence: A350513
Score: 6.95934

Type of gen. func.: ogf

$$-\frac{3\,(32805\,x^5 - 4860\,x^4 - 108\,x^3 + 180\,x^2 - 29\,x + 1)}{(27\,x - 1)\,(9\,x - 1)\,(27\,x^2 - 1)}$$

Sequence: A350515
Score: 5.35921
Type of gen. func.: ogf

$$\frac{x^2\,(x^9 + x^8 + 4\,x^7 + 2\,x^6 + 2\,x^5 + 3\,x^4 + 8\,x^3 + x^2 + 5\,x + 1)}{(x - 1)^2\,(x + 1)^2\,(x^2 + x + 1)^2\,(x^2 - x + 1)^2}$$

Sequence: A350515
Score: 5.65489
Type of gen. func.: ogf

$$\frac{x^2\,(x^9 + x^8 + 4\,x^7 + 2\,x^6 + 2\,x^5 + 3\,x^4 + 8\,x^3 + x^2 + 5\,x + 1)}{(x - 1)^2\,(x + 1)^2\,(x^2 + x + 1)^2\,(x^2 - x + 1)^2}$$

Sequence: A350520
Score: 4.1784
Type of gen. func.: ogf

{a(n + 5) - 2 a(n + 4) - 2 a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 1, a(2) = 3,

a(3) = 8, a(4) = 14}

Sequence: A350520
Score: 4.2403
Type of gen. func.: ogf

$$-(155\,f(x) + 391)$$

$$(4\,f(x)\,x^3 + 4\,x^4 - 2\,f(x)\,x^2 - 4\,x^3 - 2\,f(x)\,x + x^2 + f(x) + x - 1)$$

Sequence: A350520

Score: 7.43429
Type of gen. func.: ogf

$$-\frac{4x^4 - 4x^3 + x^2 + x - 1}{(2x - 1)(2x^2 - 1)}$$

Sequence: A350520
Score: 8.29624
Type of gen. func.: ogf

$$-\frac{4x^4 - 4x^3 + x^2 + x - 1}{(2x - 1)(2x^2 - 1)}$$

Sequence: A350521
Score: 11.2755
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 4, a(1) = 22\}$$

Sequence: A350521
Score: 22.8558
Type of gen. func.: ogf

$$\frac{2(7x + 2)}{(x - 1)^2}$$

Sequence: A350521
Score: 29.1608
Type of gen. func.: ogf

$$\frac{2(7x + 2)}{(x - 1)^2}$$

Sequence: A350521
Score: 9.72028
Type of gen. func.: ogf

$$(9 f(x) + 85) (f(x) x^2 - 2 f(x) x + f(x) - 14 x - 4)$$

Sequence: A350522
Score: 11.2321
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 16, a(1) = 34\}$$

Sequence: A350522
Score: 23.0714
Type of gen. func.: ogf

$$\frac{2 (x + 8)}{(x - 1)^2}$$

Sequence: A350522
Score: 29.436
Type of gen. func.: ogf

$$\frac{2 (x + 8)}{(x - 1)^2}$$

Sequence: A350522
Score: 9.70048
Type of gen. func.: ogf

$$(9 f(x) + 145) (f(x) x^2 - 2 f(x) x + f(x) - 2 x - 16)$$

Sequence: A350551
Score: 13.1335
Type of gen. func.: ogf

$$\frac{x^2}{(2 x - 1) (x + 1) (x^2 + 2 x - 1)}$$

Sequence: A350551
Score: 15.2777
Type of gen. func.: ogf

$$\frac{x^2}{(2x-1)(x+1)(x^2+2x-1)}$$

Sequence: A350551
Score: 5.67128
Type of gen. func.: ogf

{a(n + 4) - 3 a(n + 3) - a(n + 2) + 5 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 0,

a(2) = 1, a(3) = 3}

Sequence: A350551
Score: 5.84851
Type of gen. func.: ogf

$$-(133 f(x) + 20) (2 f(x) x^4 + 5 f(x) x^3 - f(x) x^2 - 3 f(x) x - x^2 + f(x))$$

Sequence: A350602
Score: 21.0627
Type of gen. func.: ogf

$$\frac{(3x+2)^2}{(x^3+x^2-1)^2}$$

Sequence: A350602
Score: 25.6168
Type of gen. func.: ogf

$$\frac{(3x+2)^2}{(x^3+x^2-1)^2}$$

Sequence: A350602
Score: 5.23659
Type of gen. func.: ogf

$$\{-a(n + 6) + 2 a(n + 4) + 2 a(n + 3) - a(n + 2) - 2 a(n + 1) - a(n), a(0) = 4, a(1) = 12, a(2) = 17, a(3) = 32, a(4) = 54, a(5) = 78\}$$

Sequence: A350642
Score: 16.2644
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{3 x + 4}{(x - 1) (x + 1)}$$

Sequence: A350643
Score: 16.2425
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{5 x + 7}{(x - 1) (x + 1)}$$

Sequence: A350644
Score: 14.9631
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{7 x + 10}{(x - 1) (x + 1)}$$

Sequence: A350666
Score: 11.2556
Type of gen. func.: ogf

$$\frac{x (2 x^2 + 2 x + 5)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A350666

Score: 5.39136
Type of gen. func.: ogf

$$-(2 f(x) - 9) (f(x) x^4 - f(x) x^3 - 2 x^3 - f(x) x - 2 x^2 + f(x) - 5 x)$$

Sequence: A350666
Score: 5.57888
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3) - a(n + 1) + a(n), a(0) = 0, a(1) = 5, a(2) = 7, a(3) = 9\}$$

Sequence: A350666
Score: 9.87033
Type of gen. func.: ogf

$$\frac{x (2 x^2 + 2 x + 5)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A350667
Score: 10.71
Type of gen. func.: ogf

$$\frac{x^3 + 5 x^2 + 2 x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A350667
Score: 5.39924
Type of gen. func.: ogf

$$(11 f(x) + 52) (f(x) x^4 - f(x) x^3 - x^3 - f(x) x - 5 x^2 + f(x) - 2 x - 1)$$

Sequence: A350667
Score: 5.58383
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 3) + a(n + 1) - a(n), a(0) = 1, a(1) = 3, a(2) = 8,$$

a(3) = 10}

Sequence: A350667
Score: 9.46823
Type of gen. func.: ogf

$$\frac{x^3 + 5 x^2 + 2 x + 1}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A350668
Score: 10.71
Type of gen. func.: ogf

$$\frac{3 x^3 + 2 x^2 + 2 x + 2}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A350668
Score: 5.18498
Type of gen. func.: ogf

$$-(17 f(x) + 219) (f(x) x^4 - f(x) x^3 - 3 x^3 - f(x) x - 2 x^2 + f(x) - 2 x - 2)$$

Sequence: A350668
Score: 5.58383
Type of gen. func.: ogf

{-a(n + 4) + a(n + 3) + a(n + 1) - a(n), a(0) = 2, a(1) = 4, a(2) = 6,

a(3) = 11}

Sequence: A350668
Score: 9.46823
Type of gen. func.: ogf

$$\frac{3 x^3 + 2 x^2 + 2 x + 2}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A350689
Score: 11.3154
Type of gen. func.: ogf

$$\frac{x^3 (x^4 + 2 x^3 + 4 x^2 + 2 x + 1)}{(x + 1)^4 (x - 1)^6}$$

Sequence: A350689
Score: 12.7081
Type of gen. func.: ogf

$$\frac{x^3 (x^4 + 2 x^3 + 4 x^2 + 2 x + 1)}{(x + 1)^4 (x - 1)^6}$$

Sequence: A350716
Score: 10.1754
Type of gen. func.: ogf

$$\frac{x^9 + x^7 - 4 x^5 + 4}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A350716
Score: 4.20514
Type of gen. func.: ogf

$\{a(n + 7) - a(n + 6) - a(n + 2) + a(n + 1), a(0) = 4, a(1) = 4, a(2) = 4,$

$a(3) = 4, a(4) = 4, a(5) = 4, a(6) = 4, a(7) = 5, a(8) = 5, a(9) = 6\}$

Sequence: A350716
Score: 9.26076
Type of gen. func.: ogf

$$\frac{x^9 + x^7 - 4 x^5 + 4}{\quad}$$

$$(x^4 + x^3 + x^2 + x + 1) (x - 1)^2$$

Sequence: A350717
Score: 14.9072
Type of gen. func.: ogf

$$- \frac{2 x^2 - 4 x + 1}{(4 x - 1) (x - 1)^2}$$

Sequence: A350717
Score: 17.3411
Type of gen. func.: ogf

$$- \frac{2 x^2 - 4 x + 1}{(4 x - 1) (x - 1)^2}$$

Sequence: A350717
Score: 7.51958
Type of gen. func.: ogf

$$(11 f(x) + 10) (4 f(x) x^3 - 9 f(x) x^2 + 6 f(x) x + 2 x^2 - f(x) - 4 x + 1)$$

Sequence: A350717
Score: 8.17031
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 9 a(n + 1) - 4 a(n), a(0) = 1, a(1) = 2, a(2) = 5\}$$

Sequence: A350787
Score: 13.5671
Type of gen. func.: ogf

$$- \frac{x^2 (x - 1)}{(x + 1)^2 (x^2 - 3 x + 1)^2}$$

Sequence: A350787
Score: 15.6149
Type of gen. func.: ogf

$$-\frac{x^{2} (x - 1)}{(x + 1)^{2} (x^{2} - 3 x + 1)^{2}}$$

Sequence: A350787
Score: 5.20497
Type of gen. func.: ogf

$$\{a(n + 6) - 4 a(n + 5) + 10 a(n + 3) - 4 a(n + 1) + a(n), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 3, a(4) = 12, a(5) = 38\}$$

Sequence: A350816
Score: 8.84128
Type of gen. func.: ogf

$$-\frac{2 (x - 1) (4 x^{7} + 8 x^{6} + 4 x^{5} - 6 x^{3} - 4 x^{2} - 3 x - 1)}{(2 x^{3} - 1)^{3}}$$

Sequence: A350816
Score: 9.6734
Type of gen. func.: ogf

$$-\frac{2 (x - 1) (4 x^{7} + 8 x^{6} + 4 x^{5} - 6 x^{3} - 4 x^{2} - 3 x - 1)}{(2 x^{3} - 1)^{3}}$$

Sequence: A350817
Score: 5.701
Type of gen. func.: ogf

$$(64 x^{12} - 64 x^{11} - 64 x^{10} - 16 x^{8} + 32 x^{7} + 52 x^{6} - 17 x^{5} + 4 x^{4} - 4 x^{3} - 9 x^{2}$$

$$/ \quad {}^{2} \quad {}^{3} \quad {}^{2} \quad {}^{3}$$

$$- 6 x - 1) / ((2 x - 1) (2 x + 1))$$

Sequence: A350817
Score: 6.03883
Type of gen. func.: ogf

$$(64 x^{12} - 64 x^{11} - 64 x^{10} - 16 x^{8} + 32 x^{7} + 52 x^{6} - 17 x^{5} + 4 x^{4} - 4 x^{3} - 9 x^{2} - 6 x - 1) / ((2 x^{2} - 1)^{3} (2 x^{2} + 1)^{3})$$

Sequence: A350822
Score: 5.59908
Type of gen. func.: ogf

$$(324 x^{15} + 740 x^{12} + 376 x^{11} + 213 x^{9} - 116 x^{8} + 56 x^{7} + 58 x^{6} - 39 x^{5} - 32 x^{4} + 2 x^{3} - 29 x^{2} - 12 x - 4) / (x^{7} + 2 x^{4} + x^{3} - 1)$$

Sequence: A350822
Score: 5.89377
Type of gen. func.: ogf

$$(324 x^{15} + 740 x^{12} + 376 x^{11} + 213 x^{9} - 116 x^{8} + 56 x^{7} + 58 x^{6} - 39 x^{5} - 32 x^{4} + 2 x^{3} - 29 x^{2} - 12 x - 4) / (x^{7} + 2 x^{4} + x^{3} - 1)$$

Sequence: A350830
Score: 3.30922
Type of gen. func.: ogf

$$-(f(x) - x)^{2}$$

Sequence: A350851
Score: 4.46745
Type of gen. func.: ogf

$$- (2 I x^2 + x I - 3 ((2 x + 1) (2 x - 1))^{1/2} x - I + ((2 x + 1) (2 x - 1))^{1/2}) / (2 (x - 1) ((2 x + 1) (2 x - 1))^{1/2} x (2 x - 1))$$

Sequence: A350855
Score: 11.4968
Type of gen. func.: egf]

$$\frac{\exp(x) (-x^2 + 6 \exp(-x) + 4 x - 5)}{(x - 1)^2}$$

Sequence: A350869
Score: 4.21885
Type of gen. func.: ogf

$$\{a(n + 3) - 11100 a(n + 2) + 11100000 a(n + 1) - 1000000000 a(n), a(0) = 0, a(1) = 2025, a(2) = 24502500\}$$

Sequence: A350869
Score: 7.01384
Type of gen. func.: ogf

$$- \frac{2025 x (1000 x + 1)}{(100 x - 1) (1000 x - 1) (10000 x - 1)}$$

Sequence: A350869
Score: 7.79316
Type of gen. func.: ogf

$$- \frac{2025 x (1000 x + 1)}{(100 x - 1) (1000 x - 1) (10000 x - 1)}$$

Sequence: A350898
Score: 4.85433
Type of gen. func.: ogf

$$-x^{3} \left(x^{41} + x^{40} - x^{34} - x^{33} - x^{32} - x^{30} + x^{28} + x^{16} + x^{15} - x^{13} - x^{12} - x^{5} + x^{3} + x^{2} - 1\right) \Big/ \left((x - 1) (x + 1) (x^{28} + x^{3} - 1)\right)$$

Sequence: A350898
Score: 5.0598
Type of gen. func.: ogf

$$-x^{3} \left(x^{41} + x^{40} - x^{34} - x^{33} - x^{32} - x^{30} + x^{28} + x^{16} + x^{15} - x^{13} - x^{12} - x^{5} + x^{3} + x^{2} - 1\right) \Big/ \left((x - 1) (x + 1) (x^{28} + x^{3} - 1)\right)$$

Sequence: A350901
Score: 3.74904
Type of gen. func.: ogf

$$\{a(n + 6) - 8 a(n + 5) - 40 a(n + 4) + 60 a(n + 3) + 40 a(n + 2) - 8 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 42, a(4) = 399, a(5) = 4655\}$$

Sequence: A350901
Score: 6.58526
Type of gen. func.: ogf

$$-\frac{x (3 x^{4} + 3 x^{3} - 22 x^{2} - 5 x + 1)}{(x^{2} + x - 1) (x^{2} + 11 x - 1) (x^{2} - 4 x - 1)}$$

Sequence: A350901
Score: 7.07762
Type of gen. func.: ogf

$$-\frac{x (3 x^{4} + 3 x^{3} - 22 x^{2} - 5 x + 1)}{(x^{2} + x - 1) (x^{2} + 11 x - 1) (x^{2} - 4 x - 1)}$$

Sequence: A350917

Score: 14.9097
Type of gen. func.: ogf

$$-\frac{17 x^2 - 22 x + 1}{(x - 1) (x^2 - 23 x + 1)}$$

Sequence: A350917
Score: 16.8977
Type of gen. func.: ogf

$$-\frac{17 x^2 - 22 x + 1}{(x - 1) (x^2 - 23 x + 1)}$$

Sequence: A350917
Score: 8.1109
Type of gen. func.: ogf

$$(565315 f(x) - 333136)$$

$$(f(x) x^3 - 24 f(x) x^2 + 24 f(x) x + 17 x^2 - f(x) - 22 x + 1)$$

Sequence: A350917
Score: 9.47535
Type of gen. func.: ogf

$$\{-a(n + 3) + 24 a(n + 2) - 24 a(n + 1) + a(n), a(0) = 1, a(1) = 2, a(2) = 41\}$$

Sequence: A350919
Score: 10.4967
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 4 a(n + 1) + a(n), a(0) = 9, a(1) = 9, a(2) = 14\}$$

Sequence: A350919
Score: 15.9733
Type of gen. func.: ogf

$$(7 x - 3) (2 x - 3)$$

$$-\frac{}{(x-1)(x^2-3x+1)}$$

Sequence: A350919
Score: 18.0682
Type of gen. func.: ogf

$$-\frac{(7x-3)(2x-3)}{(x-1)(x^2-3x+1)}$$

Sequence: A350919
Score: 9.10874
Type of gen. func.: ogf

$$-(55 f(x) + 1117) (f(x) x^3 - 4 f(x) x^2 + 4 f(x) x + 14 x^2 - f(x) - 27 x + 9)$$

Sequence: A350920
Score: 10.1384
Type of gen. func.: ogf

$$\{-a(n+3) + 5 a(n+2) - 5 a(n+1) + a(n), a(0) = 5, a(1) = 5, a(2) = 11\}$$

Sequence: A350920
Score: 15.8886
Type of gen. func.: ogf

$$-\frac{11x^2-20x+5}{(x-1)(x^2-4x+1)}$$

Sequence: A350920
Score: 18.043
Type of gen. func.: ogf

$$-\frac{11x^2-20x+5}{(x-1)(x^2-4x+1)}$$

Sequence: A350920
Score: 9.17703
Type of gen. func.: ogf

$$(35 f(x) + 167) (f(x) x^3 - 5 f(x) x^2 + 5 f(x) x + 11 x^2 - f(x) - 20 x + 5)$$

Sequence: A350921
Score: 12.4431
Type of gen. func.: ogf

$$-\frac{11 x^2 - 18 x + 3}{(x - 1) (x^2 - 6 x + 1)}$$

Sequence: A350921
Score: 14.1303
Type of gen. func.: ogf

$$-\frac{11 x^2 - 18 x + 3}{(x - 1) (x^2 - 6 x + 1)}$$

Sequence: A350921
Score: 7.24947
Type of gen. func.: ogf

$$(25 f(x) + 16) (f(x) x^3 - 7 f(x) x^2 + 7 f(x) x + 11 x^2 - f(x) - 18 x + 3)$$

Sequence: A350921
Score: 7.93989
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) - 7 a(n + 1) + a(n), a(0) = 3, a(1) = 3, a(2) = 11\}$$

Sequence: A350922
Score: 11.0878

Type of gen. func.: ogf

$$-\frac{(5 x - 1) (x - 2)}{(x - 1) (x^2 - 7 x + 1)}$$

Sequence: A350922
Score: 12.542
Type of gen. func.: ogf

$$-\frac{(5 x - 1) (x - 2)}{(x - 1) (x^2 - 7 x + 1)}$$

Sequence: A350922
Score: 6.59535
Type of gen. func.: ogf

$$(2649 f(x) - 95) (f(x) x^3 - 8 f(x) x^2 + 8 f(x) x + 5 x^2 - f(x) - 11 x + 2)$$

Sequence: A350922
Score: 7.28629
Type of gen. func.: ogf

$$\{-a(n + 3) + 8 a(n + 2) - 8 a(n + 1) + a(n), a(0) = 2, a(1) = 5, a(2) = 29\}$$

Sequence: A350923
Score: 11.8567
Type of gen. func.: ogf

$$-\frac{2 (7 x^2 - 10 x + 1)}{(x - 1) (x^2 - 10 x + 1)}$$

Sequence: A350923
Score: 13.4644
Type of gen. func.: ogf

$$2 (7 x^2 - 10 x + 1)$$

$$-\frac{}{(x - 1) (x^2 - 10 x + 1)}$$

Sequence: A350923
Score: 6.90781
Type of gen. func.: ogf

$$(2 f(x) - 1) (f(x) x^3 - 11 f(x) x^2 + 11 f(x) x + 14 x^2 - f(x) - 20 x + 2)$$

Sequence: A350923
Score: 7.42428
Type of gen. func.: ogf

$$\{-a(n + 3) + 11 a(n + 2) - 11 a(n + 1) + a(n), a(0) = 2, a(1) = 2, a(2) = 14\}$$

Sequence: A350924
Score: 11.0887
Type of gen. func.: ogf

$$-\frac{9 x^2 - 14 x + 1}{(x - 1) (x^2 - 16 x + 1)}$$

Sequence: A350924
Score: 12.5922
Type of gen. func.: ogf

$$-\frac{9 x^2 - 14 x + 1}{(x - 1) (x^2 - 16 x + 1)}$$

Sequence: A350924
Score: 6.08969
Type of gen. func.: ogf

$$(53349 f(x) - 20660)$$

$$(f(x) x^3 - 17 f(x) x^2 + 17 f(x) x + 9 x^2 - f(x) - 14 x + 1)$$

Sequence: A350924
Score: 6.94338
Type of gen. func.: ogf

$$\{-a(n + 3) + 17 a(n + 2) - 17 a(n + 1) + a(n), a(0) = 1, a(1) = 3, a(2) = 43\}$$

Sequence: A350925
Score: 10.3501
Type of gen. func.: ogf

$$-\frac{3 x^2 - 8 x + 1}{(x - 1) (x^2 - 16 x + 1)}$$

Sequence: A350925
Score: 11.7778
Type of gen. func.: ogf

$$-\frac{3 x^2 - 8 x + 1}{(x - 1) (x^2 - 16 x + 1)}$$

Sequence: A350925
Score: 5.59926
Type of gen. func.: ogf

$$(571629 f(x) - 62411)$$

$$(f(x) x^3 - 17 f(x) x^2 + 17 f(x) x + 3 x^2 - f(x) - 8 x + 1)$$

Sequence: A350925
Score: 6.32509
Type of gen. func.: ogf

$$\{-a(n + 3) + 17 a(n + 2) - 17 a(n + 1) + a(n), a(0) = 1, a(1) = 9, a(2) = 139\}$$

Sequence: A350926

Score: 11.6885
Type of gen. func.: ogf

$$-\frac{2x^2 - 7x + 1}{(x-1)(x^2 - 23x + 1)}$$

Sequence: A350926
Score: 13.3007
Type of gen. func.: ogf

$$-\frac{2x^2 - 7x + 1}{(x-1)(x^2 - 23x + 1)}$$

Sequence: A350926
Score: 6.12256
Type of gen. func.: ogf

$$(52173235 f(x) - 2925751)$$

$$(f(x) x^3 - 24 f(x) x^2 + 24 f(x) x + 2 x^2 - f(x) - 7 x + 1)$$

Sequence: A350926
Score: 7.07746
Type of gen. func.: ogf

$$\{-a(n + 3) + 24 a(n + 2) - 24 a(n + 1) + a(n), a(0) = 1, a(1) = 17, a(2) = 386\}$$

Sequence: A350963
Score: 7.15971
Type of gen. func.: ogf

$$-\frac{2x^7 - 6x^6 - 24x^5 - 33x^4 - 33x^3 - 28x^2 - 9x - 1}{(x^2 + 1)(x - 1)^2 (x + 1)^2}$$

Sequence: A350963
Score: 7.6852

Type of gen. func.: ogf

$$-\frac{2x^7-6x^6-24x^5-33x^4-33x^3-28x^2-9x-1}{(x^2+1)(x-1)^2(x+1)^2}$$

Sequence: A350965
Score: 13.57
Type of gen. func.: ogf

$$\frac{2(x+1)}{x^2-10x+1}$$

Sequence: A350965
Score: 16.4269
Type of gen. func.: ogf

$$\frac{2(x+1)}{x^2-10x+1}$$

Sequence: A350965
Score: 7.09342
Type of gen. func.: ogf

$$(54 f(x) + 13) (f(x) x^2 - 10 f(x) x + f(x) - 2 x - 2)$$

Sequence: A350965
Score: 8.21344
Type of gen. func.: ogf

$$\{-a(n + 2) + 10 a(n + 1) - a(n), a(0) = 2, a(1) = 22\}$$

Sequence: A350966
Score: 5.84139
Type of gen. func.: ogf

$$-(445927680 f(x) - 99876587)$$

$$(f(x) x^4 - 254 f(x) x^2 - 5 x^3 - 37 x^2 + f(x) - 37 x - 5)$$

Sequence: A350966
Score: 6.76946
Type of gen. func.: ogf

{a(n + 4) - 254 a(n + 2) + a(n), a(0) = 5, a(1) = 37, a(2) = 1307, a(3) = 9403}

Sequence: A350966
Score: 8.623
Type of gen. func.: ogf

$$\frac{(x + 1) (5 x^2 + 32 x + 5)}{(x^2 - 16 x + 1) (x^2 + 16 x + 1)}$$

Sequence: A350966
Score: 9.53068
Type of gen. func.: ogf

$$\frac{(x + 1) (5 x^2 + 32 x + 5)}{(x^2 - 16 x + 1) (x^2 + 16 x + 1)}$$

Sequence: A350967
Score: 14.7502
Type of gen. func.: ogf

$$\frac{9 (x + 1)}{x^2 - 110 x + 1}$$

Sequence: A350967
Score: 17.7759
Type of gen. func.: ogf

$$\frac{9 (x + 1)}{x^2 - 110 x + 1}$$

Sequence: A350967
Score: 7.37512
Type of gen. func.: ogf

$$(12208 f(x) + 1017) (f(x) x^2 - 110 f(x) x + f(x) - 9 x - 9)$$

Sequence: A350967
Score: 8.88796
Type of gen. func.: ogf

$$\{-a(n + 2) + 110 a(n + 1) - a(n), a(0) = 9, a(1) = 999\}$$

Sequence: A350968
Score: 10.536
Type of gen. func.: ogf

$$\frac{5 x^2 - 55 x - 4}{(x - 1) (x^2 - 110 x + 1)}$$

Sequence: A350968
Score: 12.0412
Type of gen. func.: ogf

$$\frac{5 x^2 - 55 x - 4}{(x - 1) (x^2 - 110 x + 1)}$$

Sequence: A350968
Score: 4.85111
Type of gen. func.: ogf

$$-(48734393232 f(x) + 1750921117)$$

$$(f(x) x^3 - 111 f(x) x^2 + 111 f(x) x - 5 x^2 - f(x) + 55 x + 4)$$

Sequence: A350968
Score: 5.91495
Type of gen. func.: ogf

$$\{-a(n + 3) + 111 a(n + 2) - 111 a(n + 1) + a(n), a(0) = 4, a(1) = 499, a(2) = 54940\}$$

Sequence: A350973
Score: 17.258
Type of gen. func.: egf]

$$-\frac{9 x^2 + 26 x + 5}{(x - 1)^7}$$

Sequence: A350973
Score: 20.8913
Type of gen. func.: egf]

$$-\frac{9 x^2 + 26 x + 5}{(x - 1)^7}$$

Sequence: A350974
Score: 11.3817
Type of gen. func.: egf]

$$\frac{225 x^3 + 1179 x^2 + 775 x + 61}{(x - 1)^{10}}$$

Sequence: A350979
Score: 11.6939
Type of gen. func.: ogf

$$\frac{20 x^2 - 397 x - 1}{(x - 1) (x^2 - 254 x + 1)}$$

Sequence: A350979
Score: 13.3068
Type of gen. func.: ogf

$$\frac{20 x^2 - 397 x - 1}{(x - 1) (x^2 - 254 x + 1)}$$

Sequence: A350979
Score: 5.39716
Type of gen. func.: ogf

$$-(442559830144 f(x) + 29261537165)$$

$$(f(x) x^3 - 255 f(x) x^2 + 255 f(x) x - 20 x^2 - f(x) + 397 x + 1)$$

Sequence: A350979
Score: 6.71125
Type of gen. func.: ogf

$$\{-a(n + 3) + 255 a(n + 2) - 255 a(n + 1) + a(n), a(0) = 1, a(1) = 652,$$

$$a(2) = 165985\}$$

Sequence: A350980
Score: 10.4363
Type of gen. func.: ogf

$$\frac{4 x^2 - 365 x - 17}{(x - 1) (x^2 - 254 x + 1)}$$

Sequence: A350980
Score: 11.8758
Type of gen. func.: ogf

$$\frac{4 x^2 - 365 x - 17}{(x - 1) (x^2 - 254 x + 1)}$$

Sequence: A350980
Score: 4.71777
Type of gen. func.: ogf

```
-(22906214886784 f(x) + 100030814285)

          3             2                      2
    (f(x) x  - 255 f(x) x  + 255 f(x) x - 4 x  - f(x) + 365 x + 17)
```

Sequence: A350980
Score: 5.83724
Type of gen. func.: ogf

```
{-a(n + 3) + 255 a(n + 2) - 255 a(n + 1) + a(n), a(0) = 17, a(1) = 4700,

    a(2) = 1194161}
```

Sequence: A350981
Score: 4.46849
Type of gen. func.: ogf

```
{a(n + 5) - a(n + 4) - 254 a(n + 3) + 254 a(n + 2) + a(n + 1) - a(n), a(0) = 1,

    a(1) = 17, a(2) = 652, a(3) = 4700, a(4) = 165985}
```

Sequence: A350981
Score: 7.76564
Type of gen. func.: ogf

```
                              4       3        2
                           4 x  + 16 x  - 381 x  - 16 x - 1
                        ---------------------------------------
                                   2                2
                        (x - 1) (x  - 16 x + 1) (x  + 16 x + 1)
```

Sequence: A350981
Score: 8.41958
Type of gen. func.: ogf

```
                              4       3        2
                           4 x  + 16 x  - 381 x  - 16 x - 1
                        ---------------------------------------
                                   2                2
                        (x - 1) (x  - 16 x + 1) (x  + 16 x + 1)
```

Sequence: A350982
Score: 12.6594
Type of gen. func.: ogf

$$\frac{7 x (x - 7)}{(x - 1) (x^2 - 14 x + 1)}$$

Sequence: A350982
Score: 14.5348
Type of gen. func.: ogf

$$\frac{7 x (x - 7)}{(x - 1) (x^2 - 14 x + 1)}$$

Sequence: A350982
Score: 7.26742
Type of gen. func.: ogf

$\{a(n + 3) - 15 a(n + 2) + 15 a(n + 1) - a(n), a(0) = 0, a(1) = 49, a(2) = 728\}$

Sequence: A350982
Score: 7.40455
Type of gen. func.: ogf

$$-f(x) (f(x) x^3 - 15 f(x) x^2 + 15 f(x) x - 7 x^2 - f(x) + 49 x)$$

Sequence: A350983
Score: 13.0565
Type of gen. func.: ogf

$$- \frac{(5 x - 1)^2}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A350983
Score: 15.1455

Type of gen. func.: ogf

$$-\frac{(5 x - 1)^{2}}{(x - 1) (x^{2} - 34 x + 1)}$$

Sequence: A350983
Score: 6.36368
Type of gen. func.: ogf

$$(912 f(x) - 637) (f(x) x^{3} - 35 f(x) x^{2} + 35 f(x) x + 25 x^{2} - f(x) - 10 x + 1)$$

Sequence: A350983
Score: 6.9475
Type of gen. func.: ogf

$$\{a(n + 3) - 35 a(n + 2) + 35 a(n + 1) - a(n), a(0) = 1, a(1) = 25, a(2) = 865\}$$

Sequence: A350984
Score: 11.3066
Type of gen. func.: ogf

$$\{a(n + 2) - 34 a(n + 1) + a(n), a(0) = 0, a(1) = 18\}$$

Sequence: A350984
Score: 13.9016
Type of gen. func.: ogf

$$-f(x) x^{2} + 34 f(x) x - f(x) + 18 x$$

Sequence: A350984
Score: 21.7435
Type of gen. func.: ogf

$$\frac{18 x}{x^{2} - 34 x + 1}$$

Sequence: A350984
Score: 27.3548
Type of gen. func.: ogf

$$\frac{18 x}{x^2 - 34 x + 1}$$

Sequence: A350985
Score: 13.7542
Type of gen. func.: ogf

$$- \frac{4 (x + 1)^2}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A350985
Score: 15.9549
Type of gen. func.: ogf

$$- \frac{4 (x + 1)^2}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A350985
Score: 6.59291
Type of gen. func.: ogf

$$(80847 f(x) - 10360) (f(x) x^3 - 35 f(x) x^2 + 35 f(x) x + 4 x^2 - f(x) + 8 x + 4)$$

Sequence: A350985
Score: 7.18687
Type of gen. func.: ogf

{a(n + 3) - 35 a(n + 2) + 35 a(n + 1) - a(n), a(0) = 4, a(1) = 148, a(2) = 5044

}

Sequence: A350986
Score: 10.2477
Type of gen. func.: ogf

$$\{-a(n + 2) + 34 a(n + 1) - a(n), a(0) = 3, a(1) = 105\}$$

Sequence: A350986
Score: 17.1537
Type of gen. func.: ogf

$$\frac{3 (x + 1)}{x^2 - 34 x + 1}$$

Sequence: A350986
Score: 20.765
Type of gen. func.: ogf

$$\frac{3 (x + 1)}{x^2 - 34 x + 1}$$

Sequence: A350986
Score: 8.86597
Type of gen. func.: ogf

$$(396 f(x) + 37) (f(x) x^2 - 34 f(x) x + f(x) - 3 x - 3)$$

Sequence: A350994
Score: 10.586
Type of gen. func.: ogf

$$\frac{3 (104 x - 5)}{(x - 1) (100 x - 1) (10 x - 1)}$$

Sequence: A350994
Score: 12.0462
Type of gen. func.: ogf

$$\frac{3 (104 x - 5)}{}$$

$$(x - 1) (100 x - 1) (10 x - 1)$$

Sequence: A350994
Score: 4.85192
Type of gen. func.: ogf

$$-(42752187722673 f(x) + 24433215972520)$$

$$(1000 f(x) x^3 - 1110 f(x) x^2 + 111 f(x) x - f(x) - 312 x + 15)$$

Sequence: A350994
Score: 5.77419
Type of gen. func.: ogf

$$\{a(n + 3) - 111 a(n + 2) + 1110 a(n + 1) - 1000 a(n), a(0) = 15, a(1) = 1353, a(2) = 133533\}$$

Sequence: A350995
Score: 11.1599
Type of gen. func.: ogf

$$\{-a(n + 2) + 11 a(n + 1) - 10 a(n), a(0) = 5, a(1) = 53\}$$

Sequence: A350995
Score: 17.1862
Type of gen. func.: ogf

$$-\frac{2 x - 5}{(10 x - 1) (x - 1)}$$

Sequence: A350995
Score: 20.4598
Type of gen. func.: ogf

$$-\frac{2 x - 5}{(10 x - 1) (x - 1)}$$

Sequence: A350995

Score: 9.44296
Type of gen. func.: ogf

$$(483 f(x) + 394) (10 f(x) x^2 - 11 f(x) x + f(x) + 2 x - 5)$$

Sequence: A351103
Score: 7.34161
Type of gen. func.: ogf

$$- \frac{x^3 (5 x^8 + 4 x^7 + 3 x^6 - 14 x^5 - 11 x^4 - 6 x^3 + 12 x^2 + 7 x + 3)}{(x - 1)^3 (x^2 + x + 1)^3}$$

Sequence: A351103
Score: 7.86601
Type of gen. func.: ogf

$$- \frac{x^3 (5 x^8 + 4 x^7 + 3 x^6 - 14 x^5 - 11 x^4 - 6 x^3 + 12 x^2 + 7 x + 3)}{(x - 1)^3 (x^2 + x + 1)^3}$$

Sequence: A351105
Score: 10.3708
Type of gen. func.: ogf

$$\frac{x (36 x^5 + 460 x^4 + 1065 x^3 + 603 x^2 + 75 x + 1)}{(x - 1)^{10}}$$

Sequence: A351105
Score: 9.32063
Type of gen. func.: ogf

$$\frac{x (36 x^5 + 460 x^4 + 1065 x^3 + 603 x^2 + 75 x + 1)}{(x - 1)^{10}}$$

Sequence: A351169
Score: 6.12776
Type of gen. func.: ogf

$$\frac{x^{10} + x^9 + x^8 - 5 x^7 + x^6 - x^2 - x + 5}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A351169
Score: 6.51682
Type of gen. func.: ogf

$$\frac{x^{10} + x^9 + x^8 - 5 x^7 + x^6 - x^2 - x + 5}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A351238
Score: 11.8251
Type of gen. func.: ogf

$$- \frac{13 (1000 x - 1)}{(1000000 x - 1) (x - 1)}$$

Sequence: A351238
Score: 13.6801
Type of gen. func.: ogf

$$- \frac{13 (1000 x - 1)}{(1000000 x - 1) (x - 1)}$$

Sequence: A351238
Score: 5.49357
Type of gen. func.: ogf

$$-(998999999001 f(x) - 12961013000)$$

$$(1000000 f(x) x^2 - 1000001 f(x) x + f(x) + 13000 x - 13)$$

Sequence: A351238

Score: 7.42216
Type of gen. func.: ogf

$$\{a(n + 2) - 1000001\, a(n + 1) + 1000000\, a(n),\ a(0) = 13,\ a(1) = 12987013\}$$

Sequence: A351239
Score: 10.5984
Type of gen. func.: ogf

$$-\frac{11\,(1000\,x - 1)}{(1000000\,x - 1)\,(x - 1)}$$

Sequence: A351239
Score: 4.25604
Type of gen. func.: ogf

$$-(998999999001\, f(x) - 10967011000)$$

$$(1000000\, f(x)\, x^2 - 1000001\, f(x)\, x + f(x) + 11000\, x - 11)$$

Sequence: A351239
Score: 5.75018
Type of gen. func.: ogf

$$\{a(n + 2) - 1000001\, a(n + 1) + 1000000\, a(n),\ a(0) = 11,\ a(1) = 10989011\}$$

Sequence: A351239
Score: 9.16131
Type of gen. func.: ogf

$$-\frac{11\,(1000\,x - 1)}{(1000000\,x - 1)\,(x - 1)}$$

Sequence: A351241
Score: 2.24129
Type of gen. func.: ogf

$$-(f(x) - 2)\,(f(x)\, x - f(x) + 1)^2$$

Sequence: A351323
Score: 4.78168
Type of gen. func.: ogf

$$-(x-1)(6x^6+12x^5+6x^4-7x^3-5x^2-x+1) \Big/ (8x^{11}+8x^{10}+44x^9-102x^7-36x^6+42x^5+43x^4-2x^3-8x^2-2x+1)$$

Sequence: A351323
Score: 5.01782
Type of gen. func.: ogf

$$-(x-1)(6x^6+12x^5+6x^4-7x^3-5x^2-x+1) \Big/ (8x^{11}+8x^{10}+44x^9-102x^7-36x^6+42x^5+43x^4-2x^3-8x^2-2x+1)$$

Sequence: A351353
Score: 10.3091
Type of gen. func.: ogf

$$\frac{(x+1)(x^2+10x+1)}{(x^2+4x-1)(x^2-4x-1)}$$

Sequence: A351353
Score: 6.93521
Type of gen. func.: ogf

$$(3230 f(x)+1097)(f(x)x^4-18 f(x)x^2-x^3-11x^2+f(x)-11x-1)$$

Sequence: A351353
Score: 7.40654
Type of gen. func.: ogf

$$\{a(n+4)-18\,a(n+2)+a(n),\ a(0)=1,\ a(1)=11,\ a(2)=29,\ a(3)=199\}$$

Sequence: A351353
Score: 9.30334
Type of gen. func.: ogf

$$\frac{(x+1)(x^2+10x+1)}{(x^2+4x-1)(x^2-4x-1)}$$

Sequence: A351354
Score: 4.58833
Type of gen. func.: ogf

{-a(n + 5) + a(n + 4) + 18 a(n + 3) - 18 a(n + 2) - a(n + 1) + a(n), a(0) = 1,

a(1) = 3, a(2) = 7, a(3) = 45, a(4) = 117}

Sequence: A351354
Score: 7.60223
Type of gen. func.: ogf

$$-\frac{x^4+2x^3-14x^2+2x+1}{(x-1)(x^2+4x-1)(x^2-4x-1)}$$

Sequence: A351354
Score: 8.24922
Type of gen. func.: ogf

$$-\frac{x^4+2x^3-14x^2+2x+1}{(x-1)(x^2+4x-1)(x^2-4x-1)}$$

Sequence: A351412
Score: 10.2531
Type of gen. func.: ogf

$$\frac{x^6-x^5+2x^4+2x^3+2x^2+2x+1}{(x^2+1)(x-1)^2(x+1)^2}$$

Sequence: A351412
Score: 11.135
Type of gen. func.: ogf

$$\frac{x^6 - x^5 + 2 x^4 + 2 x^3 + 2 x^2 + 2 x + 1}{(x^2 + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A351412
Score: 6.47224
Type of gen. func.: ogf

{a(n + 7) - a(n + 5) - a(n + 3) + a(n + 1), a(0) = 1, a(1) = 2, a(2) = 3,

a(3) = 4, a(4) = 6, a(5) = 5, a(6) = 9}

Sequence: A351529
Score: 16.2905
Type of gen. func.: ogf

$$\frac{x^2}{(4 x - 1) (3 x^2 + 3 x - 1)}$$

Sequence: A351529
Score: 19.8127
Type of gen. func.: ogf

$$\frac{x^2}{(4 x - 1) (3 x^2 + 3 x - 1)}$$

Sequence: A351529
Score: 7.1172
Type of gen. func.: ogf

{-a(n + 3) + 7 a(n + 2) - 9 a(n + 1) - 12 a(n), a(0) = 0, a(1) = 0, a(2) = 1}

Sequence: A351529
Score: 8.9399
Type of gen. func.: ogf

$$12 f(x) x^3 + 9 f(x) x^2 - 7 f(x) x - x^2 + f(x)$$

Sequence: A351530
Score: 15.3253
Type of gen. func.: ogf

$$\frac{x^2}{(5 x - 1) (4 x^2 + 4 x - 1)}$$

Sequence: A351530
Score: 18.6389
Type of gen. func.: ogf

$$\frac{x^2}{(5 x - 1) (4 x^2 + 4 x - 1)}$$

Sequence: A351530
Score: 6.63113
Type of gen. func.: ogf

$\{-a(n + 3) + 9 a(n + 2) - 16 a(n + 1) - 20 a(n), a(0) = 0, a(1) = 0, a(2) = 1\}$

Sequence: A351530
Score: 8.30889
Type of gen. func.: ogf

$$20 f(x) x^3 + 16 f(x) x^2 - 9 f(x) x - x^2 + f(x)$$

Sequence: A351531
Score: 6.70599
Type of gen. func.: ogf

$\{3\,a(n+1)\,n - a(n+3) + a(n+2) + 9\,a(n+1),\ a(0) = 1,\ a(1) = 1,\ a(2) = 7\}$

Sequence: A351586
Score: 6.53973
Type of gen. func.: ogf

$$-\frac{192 x^{5} + 40 x^{4} - 224 x^{3} - 120 x^{2} - 24 x - 5}{32 x^{6} + 8 x^{5} - 56 x^{4} - 40 x^{3} - 12 x^{2} - 5 x + 1}$$

Sequence: A351586
Score: 7.00272
Type of gen. func.: ogf

$$-\frac{192 x^{5} + 40 x^{4} - 224 x^{3} - 120 x^{2} - 24 x - 5}{32 x^{6} + 8 x^{5} - 56 x^{4} - 40 x^{3} - 12 x^{2} - 5 x + 1}$$

Sequence: A351632
Score: 17.8571
Type of gen. func.: ogf

$$\frac{64 x^{3} (4 x + 3)}{(2 x - 1)^{6}}$$

Sequence: A351632
Score: 22.0588
Type of gen. func.: ogf

$$\frac{64 x^{3} (4 x + 3)}{(2 x - 1)^{6}}$$

Sequence: A351635
Score: 10.3877
Type of gen. func.: ogf

$$-\frac{2\,(2\,x^5 - x^4 - 7\,x^3 + 3\,x + 1)}{(x - 1)\,(x + 1)\,(x^4 - 4\,x^2 + 1)}$$

Sequence: A351635
Score: 11.3215
Type of gen. func.: ogf

$$-\frac{2\,(2\,x^5 - x^4 - 7\,x^3 + 3\,x + 1)}{(x - 1)\,(x + 1)\,(x^4 - 4\,x^2 + 1)}$$

Sequence: A351635
Score: 6.9973
Type of gen. func.: ogf

$$\{a(n + 6) - 5\,a(n + 4) + 5\,a(n + 2) - a(n),\ a(0) = 2,\ a(1) = 6,\ a(2) = 10,\ a(3) = 16,\ a(4) = 38,\ a(5) = 54\}$$

Sequence: A351653
Score: 3.73371
Type of gen. func.: ogf

$$-(x^2 + 1)\,(10\,x^{18} + 10\,x^{17} + 10\,x^{14} + 10\,x^{13} + 10\,x^{10} + x^9 + x^8 + x^5 + x^4 + x + 1)\ /\ ((x - 1)\,(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1))$$

Sequence: A351653
Score: 3.87461
Type of gen. func.: ogf

$$-(x^2 + 1)\,(10\,x^{18} + 10\,x^{17} + 10\,x^{14} + 10\,x^{13} + 10\,x^{10} + x^9 + x^8 + x^5 + x^4 + x + 1)\ /\ ((x - 1)\,(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1))$$

Sequence: A351683
Score: 10.0585
Type of gen. func.: ogf

$$-\frac{x (x + 1)}{(x - 1) (x^2 - 194 x + 1)}$$

Sequence: A351683
Score: 11.5215
Type of gen. func.: ogf

$$-\frac{x (x + 1)}{(x - 1) (x^2 - 194 x + 1)}$$

Sequence: A351683
Score: 5.60782
Type of gen. func.: ogf

$$(196 f(x) + 1) (f(x) x^3 - 195 f(x) x^2 + 195 f(x) x + x^2 - f(x) + x)$$

Sequence: A351683
Score: 5.81361
Type of gen. func.: ogf

$$\{a(n + 3) - 195 a(n + 2) + 195 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 196\}$$

Sequence: A351685
Score: 7.79845
Type of gen. func.: ogf

$$-\frac{13713 x^{22} - 14366 x^{21} + 840 x^9 - 945 x^8 + 51 x^4 - 68 x^3 + 3 x^2 - 5 x - 1}{(x - 1)^2}$$

Sequence: A351689
Score: 7.27862
Type of gen. func.: ogf

$$-(30051 x^{22} - 31482 x^{21} + 1840 x^{9} - 2070 x^{8} + 111 x^{4} - 148 x^{3} + 6 x^{2} - 12 x - 1) / (x - 1)^{2}$$

Sequence: A351697
Score: 6.15774
Type of gen. func.: ogf

$$-(3 x^{10} + 15 x^{9} + 5 x^{8} + 90 x^{7} + 135 x^{6} + 17 x^{5} + 135 x^{4} + 90 x^{3} + 5 x^{2} + 15 x + 3) / ((x - 1)^{5} (x^{2} + x + 1)^{5})$$

Sequence: A351697
Score: 6.53379
Type of gen. func.: ogf

$$-(3 x^{10} + 15 x^{9} + 5 x^{8} + 90 x^{7} + 135 x^{6} + 17 x^{5} + 135 x^{4} + 90 x^{3} + 5 x^{2} + 15 x + 3) / ((x - 1)^{5} (x^{2} + x + 1)^{5})$$

Sequence: A351704
Score: 15.8612
Type of gen. func.: ogf

$$\frac{4 x^{4} + x^{3} - 2 x^{2} + 1}{(x + 1)^{3} (x - 1)^{4}}$$

Sequence: A351704
Score: 18.0873
Type of gen. func.: ogf

$$\frac{4 x^{4} + x^{3} - 2 x^{2} + 1}{}$$

$$(x + 1)^{3} (x - 1)^{4}$$

Sequence: A351706
Score: 5.52773
Type of gen. func.: ogf

$$- \frac{8 x^{42} + 8 x^{40} + 8 x^{34} + 8 x^{32} + 4 x^{10} + 4 x^{8} + 2 x^{2} + 1}{(x - 1) (x^{2} + 1) (x^{8} + 1) (x^{32} + 1)}$$

Sequence: A351706
Score: 5.8553
Type of gen. func.: ogf

$$- \frac{8 x^{42} + 8 x^{40} + 8 x^{34} + 8 x^{32} + 4 x^{10} + 4 x^{8} + 2 x^{2} + 1}{(x - 1) (x^{2} + 1) (x^{8} + 1) (x^{32} + 1)}$$

Sequence: A351724
Score: 6.25882
Type of gen. func.: ogf

$$- 1/((x^{2} - x + 1)$$

$$(x^{23} + x^{22} - x^{20} - x^{19} + x^{17} + x^{16} - x^{14} - x^{13} + x^{11} + x^{10} + x^{3} + x^{2} - 1))$$

Sequence: A351724
Score: 6.61904
Type of gen. func.: ogf

$$- 1/((x^{2} - x + 1)$$

$$(x^{23} + x^{22} - x^{20} - x^{19} + x^{17} + x^{16} - x^{14} - x^{13} + x^{11} + x^{10} + x^{3} + x^{2} - 1))$$

Sequence: A351733
Score: 11.757
Type of gen. func.: lgdegf]

$$-2 \exp(x) (\exp(-x) - x - 1)$$

Sequence: A351734
Score: 12.5298
Type of gen. func.: lgdegf]

$$-3 \exp(x) (\exp(-x) - x - 1)$$

Sequence: A351735
Score: 4.96874
Type of gen. func.: lgdegf]

$$\frac{(3 I \ln(3 x - 1) x - \ln(3 x - 1) I + 3 I x + 3 Pi x - Pi) I}{3 x - 1}$$

Sequence: A351736
Score: 11.952
Type of gen. func.: lgdegf]

$$-\exp(2 x) (\exp(-2 x) - 2 x - 1)$$

Sequence: A351737
Score: 11.9751
Type of gen. func.: lgdegf]

$$-\exp(3 x) (\exp(-3 x) - 3 x - 1)$$

Sequence: A351742
Score: 4.07113
Type of gen. func.: ogf

$$- 1/((x^2 - x + 1) (x^6 + x^3 + 1) (x^4 - x^2 + 1) (x^4 + 1) (x^8 - x^4 + 1) (x + 1)^2 (x^2 + 1)^2 (x^2 + x + 1)^2 (x - 1)^3)$$

Sequence: A351742
Score: 4.25939
Type of gen. func.: ogf

$$-1/((x^2-x+1)(x^6+x^3+1)(x^4-x^2+1)(x^4+1)(x^8-x^4+1)(x+1)^2$$
$$(x^2+1)^2(x^2+x+1)^2(x-1)^3)$$

Sequence: A351744
Score: 5.65471
Type of gen. func.: ogf

$$-\frac{10x^{22}-10x^{20}-x^{12}-x^{10}-x^2-1}{(x+1)(x^2+1)(x^8-x^6+x^4-x^2+1)(x-1)^2}$$

Sequence: A351744
Score: 5.98017
Type of gen. func.: ogf

$$-\frac{10x^{22}-10x^{20}-x^{12}-x^{10}-x^2-1}{(x+1)(x^2+1)(x^8-x^6+x^4-x^2+1)(x-1)^2}$$

Sequence: A351760
Score: 7.45546
Type of gen. func.: ogf

$$-\frac{x^2(x^7+262x^6+5263x^5+23364x^4+30415x^3+12038x^2+1217x+16)}{(x-1)^{11}}$$

Sequence: A351760
Score: 8.03453
Type of gen. func.: ogf

$$-\frac{x^2(x^7+262x^6+5263x^5+23364x^4+30415x^3+12038x^2+1217x+16)}{(x-1)^{11}}$$

Sequence: A351766
Score: 7.63158
Type of gen. func.: ogf

$$-x\,(16x^7+1217x^6+12038x^5+30415x^4+23364x^3+5263x^2+262x+1)\Big/(x-1)^{11}$$

Sequence: A351766
Score: 8.22432
Type of gen. func.: ogf

$$-x\,(16x^7+1217x^6+12038x^5+30415x^4+23364x^3+5263x^2+262x+1)\Big/(x-1)^{11}$$

Sequence: A351767
Score: 11.6726
Type of gen. func.: lgdegf]

$$-\frac{3x^3-9x^2+7x-4}{(x-1)^4}$$

Sequence: A351782
Score: 11.7561
Type of gen. func.: ogf

$$\frac{x\,(2x^3+x+1)}{(x+1)\,(x^2+1)\,(x-1)^2}$$

Sequence: A351782
Score: 13.203
Type of gen. func.: ogf

$$\frac{x\,(2x^3+x+1)}{}$$

$$(x + 1) (x^2 + 1) (x - 1)^2$$

Sequence: A351782
Score: 6.75745
Type of gen. func.: ogf

{a(n + 5) - a(n + 4) - a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 2, a(3) = 2, a(4) = 4}

Sequence: A351825
Score: 3.24928
Type of gen. func.: ogf

$$\{-a(n + 1) n^3 + 2 a(n + 2) n^2 - 4 a(n + 1) n^2 - a(n + 3) n + 7 a(n + 2) n - a(n + 1) n - a(n + 3) + 3 a(n + 2) + 6 a(n + 1), a(0) = 0, a(1) = 0, a(2) = 2\}$$

Sequence: A351825
Score: 33.5759
Type of gen. func.: lgdegf]

$$\frac{1}{(x - 1)^2}$$

Sequence: A351831
Score: 2.65194
Type of gen. func.: ogf

$$-\frac{x (45 x^{22} + 90 x^{21} + 1)}{135 x^{22} - 90 x^{21} - x^2 + 2 x - 1}$$

Sequence: A351831
Score: 2.92393
Type of gen. func.: ogf

22   21

```
            x (45 x   + 90 x   + 1)
      - --------------------------------
               22        21    2
         135 x   - 90 x   - x  + 2 x - 1
```

Sequence: A351860
Score: 12.7566
Type of gen. func.: ogf

$$-\frac{x^5 (10 x^4 - 30 x^3 + 24 x^2 + 5 x - 10)}{(x - 1)^4}$$

Sequence: A351860
Score: 14.4296
Type of gen. func.: ogf

$$-\frac{x^5 (10 x^4 - 30 x^3 + 24 x^2 + 5 x - 10)}{(x - 1)^4}$$

Sequence: A351873
Score: 8.12574
Type of gen. func.: ogf

$$-\frac{2 x^6 + 3 x^5 + 4 x^4 + 4 x^3 + 2 x^2 + x + 1}{2 x^7 + x^6 + x^5 + x - 1}$$

Sequence: A351873
Score: 8.82473
Type of gen. func.: ogf

$$-\frac{2 x^6 + 3 x^5 + 4 x^4 + 4 x^3 + 2 x^2 + x + 1}{2 x^7 + x^6 + x^5 + x - 1}$$

Sequence: A351874
Score: 8.78909

Type of gen. func.: ogf

$$-\frac{x^6+x^5+2x^4+2x^3+x^2+x+1}{x^7+x^5+x-1}$$

Sequence: A351874
Score: 9.61629
Type of gen. func.: ogf

$$-\frac{x^6+x^5+2x^4+2x^3+x^2+x+1}{x^7+x^5+x-1}$$

Sequence: A351891
Score: 10.8603
Type of gen. func.: lgdegf]

$$1/2\exp(2^{1/2}x)+1/2\exp(-2^{1/2}x)$$

Sequence: A351892
Score: 11.5843
Type of gen. func.: lgdegf]

$$1/2\exp(3^{1/2}x)+1/2\exp(-3^{1/2}x)$$

Sequence: A351905
Score: 3.71564
Type of gen. func.: ogf

$$\{-4a(n+1)n^3-36a(n+1)n^2-104a(n+1)n-a(n+5)+a(n+4)$$
$$-96a(n+1),\ a(0)=1,\ a(1)=1,\ a(2)=1,\ a(3)=1,\ a(4)=-23\}$$

Sequence: A351906
Score: 3.8618
Type of gen. func.: egf]

$$\{-a(n + 6) n + a(n + 5) - 5 a(n + 1) - 6 a(n + 6), a(0) = 1, a(1) = 1, a(2) = 1/2, a(3) = 1/6, a(4) = 1/24, a(5) = \frac{-119}{120}\}$$

Sequence: A351906
Score: 4.21937
Type of gen. func.: revogf

$$x (41651314094400 x^{10} + 3769374200 x^{5} + 7309) / (41651314094400 x^{11} + 41211724392000 x^{10} + 3769374200 x^{6} + 3768497120 x^{5} + 7309 x + 7309)$$

Sequence: A351929
Score: 4.66933
Type of gen. func.: ogf

$$\{a(n + 1) n^{2} + 5 a(n + 1) n - 2 a(n + 3) + 6 a(n + 1) + 2 a(n + 4), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 0\}$$

Sequence: A351930
Score: 3.61976
Type of gen. func.: ogf

$$\{-a(n + 1) n^{3} - 9 a(n + 1) n^{2} - 26 a(n + 1) n - 24 a(n + 1) + 6 a(n + 4) - 6 a(n + 5), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1, a(4) = 0\}$$

Sequence: A351931
Score: 4.32658
Type of gen. func.: egf]

$$\{-24 a(n + 6) n - a(n + 1) - 144 a(n + 6) + 24 a(n + 5), a(0) = 1, a(1) = 1, a(2) = 1/2, a(3) = 1/6, a(4) = 1/24, a(5) = 0\}$$

Sequence: A351932
Score: 4.13259
Type of gen. func.: ogf

$\{a(n + 1) n^3 + 9 a(n + 1) n^2 + 26 a(n + 1) n + 24 a(n + 1) + 6 a(n + 4)$

$- 6 a(n + 5), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1, a(4) = 2\}$

Sequence: A351933
Score: 14.4363
Type of gen. func.: lgdegf]

$$\frac{2 (x^2 + 2)}{(x^2 - 2)^2}$$

Sequence: A351933
Score: 3.41352
Type of gen. func.: egf]

$\{4 a(n + 4) n - 4 a(n + 2) n + a(n) n - 4 a(n + 3) - 2 a(n + 1) + 16 a(n + 4)$

$- 8 a(n + 2), a(0) = 1, a(1) = 1, a(2) = 1/2, a(3) = 2/3\}$

Sequence: A351934
Score: 15.2404
Type of gen. func.: lgdegf]

$$\frac{12 (x^3 + 3)}{(x^3 - 6)^2}$$

Sequence: A351935
Score: 14.9221
Type of gen. func.: lgdegf]

$$\frac{72 (x^4 + 8)}{(x^4 - 24)^2}$$

Sequence: A351936
Score: 13.8052
Type of gen. func.: lgdegf]

$$\frac{480\,(x^{5}+30)}{(x^{5}-120)^{2}}$$

Sequence: A351937
Score: 7.72169
Type of gen. func.: lgdegf]

$$1/4 \exp(x)\, x + 1/2 \exp(x) - 1/4 \exp(-x)\, x + 1/2 \exp(-x)$$

Sequence: A351966
Score: 6.44374
Type of gen. func.: ogf

$$\frac{x^{9} - 2 x^{8} - 4 x^{7} + 11 x^{6} + 25 x^{5} + 32 x^{4} + 38 x^{3} + 22 x^{2} + 8 x + 1}{(x^{2} + 1) (x - 1)^{2} (x + 1)^{2}}$$

Sequence: A351966
Score: 6.86628
Type of gen. func.: ogf

$$\frac{x^{9} - 2 x^{8} - 4 x^{7} + 11 x^{6} + 25 x^{5} + 32 x^{4} + 38 x^{3} + 22 x^{2} + 8 x + 1}{(x^{2} + 1) (x - 1)^{2} (x + 1)^{2}}$$

Sequence: A351967
Score: 6.25139
Type of gen. func.: ogf

$$-\frac{2 x^{9} + 6 x^{8} - 5 x^{7} - 13 x^{6} - 27 x^{5} - 37 x^{4} - 30 x^{3} - 19 x^{2} - 8 x - 1}{(x^{2} + 1) (x - 1)^{2} (x + 1)^{2}}$$

Sequence: A351967
Score: 6.64831
Type of gen. func.: ogf

$$-\frac{2x^9+6x^8-5x^7-13x^6-27x^5-37x^4-30x^3-19x^2-8x-1}{(x^2+1)(x-1)^2(x+1)^2}$$

Sequence: A351971
Score: 4.95048
Type of gen. func.: ogf

$$-(2x-1)^3(2x^2-2x+1)^3 \Big/ \left((x-1)(x^8+16x^6-48x^5+68x^4-56x^3+28x^2-8x+1)(x^4+4x^3-6x^2+4x-1)\right)$$

Sequence: A351971
Score: 5.21451
Type of gen. func.: ogf

$$-(2x-1)^3(2x^2-2x+1)^3 \Big/ \left((x-1)(x^8+16x^6-48x^5+68x^4-56x^3+28x^2-8x+1)(x^4+4x^3-6x^2+4x-1)\right)$$

Sequence: A351990
Score: 15.022
Type of gen. func.: lgdegf]

$$\frac{x^4+6x^2+2x+3}{x^3+3x+2}$$

Sequence: A351992
Score: 13.5975
Type of gen. func.: ogf

4   3

$$\frac{x (x - 2 x - 4 x - 1)}{(x - 1)^{3} (x + 1)^{3}}$$

Sequence: A351992
Score: 15.5059
Type of gen. func.: ogf

$$\frac{x (x^{4} - 2 x^{3} - 4 x - 1)}{(x - 1)^{3} (x + 1)^{3}}$$

Sequence: A351992
Score: 6.31313
Type of gen. func.: ogf

$\{a(n + 6) - 3 a(n + 4) + 3 a(n + 2) - a(n), a(0) = 0, a(1) = 1, a(2) = 4,$

$a(3) = 3, a(4) = 14, a(5) = 5\}$

Sequence: A352007
Score: 5.53643
Type of gen. func.: ogf

$$(6561 x^{10} - 2187 x^{8} - 27 x^{4} - 3 x^{2} + 1) / ((3 x - 1) (2187 x^{9} + 1458 x^{8} - 243 x^{7} - 81 x^{6} - 27 x^{5} - 9 x^{3} - 3 x^{2} - 2 x - 1))$$

Sequence: A352007
Score: 5.85507
Type of gen. func.: ogf

$$(6561 x^{10} - 2187 x^{8} - 27 x^{4} - 3 x^{2} + 1) / ((3 x - 1) (2187 x^{9} + 1458 x^{8} - 243 x^{7} - 81 x^{6} - 27 x^{5} - 9 x^{3} - 3 x^{2} - 2 x - 1))$$

Sequence: A352008
Score: 5.93046

Type of gen. func.: ogf

$$\frac{65536 x^{10} - 16384 x^{8} - 64 x^{4} - 4 x^{2} + 1}{65536 x^{10} + 16384 x^{9} - 16384 x^{8} + 64 x^{5} - 64 x^{4} - 4 x^{2} - x + 1}$$

Sequence: A352008
Score: 6.307
Type of gen. func.: ogf

$$\frac{65536 x^{10} - 16384 x^{8} - 64 x^{4} - 4 x^{2} + 1}{65536 x^{10} + 16384 x^{9} - 16384 x^{8} + 64 x^{5} - 64 x^{4} - 4 x^{2} - x + 1}$$

Sequence: A352010
Score: 5.61683
Type of gen. func.: ogf

$$\frac{6561 x^{10} + 2187 x^{8} + 27 x^{4} + 3 x^{2} + 1}{6561 x^{10} - 2187 x^{9} + 2187 x^{8} - 27 x^{5} + 27 x^{4} + 3 x^{2} - x + 1}$$

Sequence: A352010
Score: 5.98819
Type of gen. func.: ogf

$$\frac{6561 x^{10} + 2187 x^{8} + 27 x^{4} + 3 x^{2} + 1}{6561 x^{10} - 2187 x^{9} + 2187 x^{8} - 27 x^{5} + 27 x^{4} + 3 x^{2} - x + 1}$$

Sequence: A352011
Score: 5.50327
Type of gen. func.: ogf

$$\frac{65536 x^{10} + 16384 x^{8} + 64 x^{4} + 4 x^{2} + 1}{65536 x^{10} - 16384 x^{9} + 16384 x^{8} - 64 x^{5} + 64 x^{4} + 4 x^{2} - x + 1}$$

Sequence: A352011

Score: 5.85268

Type of gen. func.: ogf

$$\frac{65536 x^{10} + 16384 x^{8} + 64 x^{4} + 4 x^{2} + 1}{65536 x^{10} - 16384 x^{9} + 16384 x^{8} - 64 x^{5} + 64 x^{4} + 4 x^{2} - x + 1}$$

Sequence: A352027

Score: 5.49306

Type of gen. func.: egf]

$$-\exp(x) x^{2} - 2 \exp(x) x + \exp(2 x) \mathrm{BesselI}(0, 2 x) + \exp(2 x) \mathrm{BesselI}(1, 2 x) - \exp(x)$$

Sequence: A352041

Score: 10.7512

Type of gen. func.: ogf

$$\frac{(x - 1)^{3}}{x^{16} - x^{7} + 3 x^{6} - 3 x^{5} + 4 x^{3} - 6 x^{2} + 4 x - 1}$$

Sequence: A352041

Score: 9.70235

Type of gen. func.: ogf

$$\frac{(x - 1)^{3}}{x^{16} - x^{7} + 3 x^{6} - 3 x^{5} + 4 x^{3} - 6 x^{2} + 4 x - 1}$$

Sequence: A352043

Score: 5.34053

Type of gen. func.: ogf

$$-\frac{x^{16} + x^{8} - 4 x^{7} + 6 x^{6} - 4 x^{5} + 4 x^{3} - 6 x^{2} + 4 x - 1}{(x - 1) (x^{16} - x^{7} + 3 x^{6} - 3 x^{5} + 4 x^{3} - 6 x^{2} + 4 x - 1)}$$

Sequence: A352043
Score: 5.63117
Type of gen. func.: ogf

$$-\frac{x^{16}+x^{8}-4x^{7}+6x^{6}-4x^{5}+4x^{3}-6x^{2}+4x-1}{(x-1)(x^{16}-x^{7}+3x^{6}-3x^{5}+4x^{3}-6x^{2}+4x-1)}$$

Sequence: A352111
Score: 3.07548
Type of gen. func.: ogf

$$-x(39x^{19}-x^{18}-36x^{17}+27x^{13}-x^{12}-24x^{11}+15x^{7}-x^{6}-12x^{5}+3x-1) \Big/ ((x+1)(x^{2}+1)(x^{4}-x^{2}+1)(x^{4}+1)(x^{8}-x^{4}+1)(x-1)^{2})$$

Sequence: A352111
Score: 3.1932
Type of gen. func.: ogf

$$-x(39x^{19}-x^{18}-36x^{17}+27x^{13}-x^{12}-24x^{11}+15x^{7}-x^{6}-12x^{5}+3x-1) \Big/ ((x+1)(x^{2}+1)(x^{4}-x^{2}+1)(x^{4}+1)(x^{8}-x^{4}+1)(x-1)^{2})$$

Sequence: A352115
Score: 13.896
Type of gen. func.: ogf

$$\frac{2x(3x^{2}+2x+3)}{(x+1)^{2}(x-1)^{4}}$$

Sequence: A352115
Score: 15.9936
Type of gen. func.: ogf

$$\frac{2 x (3 x^2 + 2 x + 3)}{(x + 1)^2 (x - 1)^4}$$

Sequence: A352115
Score: 4.2811
Type of gen. func.: ogf

{a(n + 6) - 2 a(n + 5) - a(n + 4) + 4 a(n + 3) - a(n + 2) - 2 a(n + 1) + a(n),

a(0) = 0, a(1) = 6, a(2) = 16, a(3) = 44, a(4) = 80, a(5) = 146}

Sequence: A352116
Score: 12.562
Type of gen. func.: ogf

$$\frac{x^4 + 2 x^3 + 10 x^2 + 2 x + 1}{(x + 1)^2 (x - 1)^4}$$

Sequence: A352116
Score: 14.1829
Type of gen. func.: ogf

$$\frac{x^4 + 2 x^3 + 10 x^2 + 2 x + 1}{(x + 1)^2 (x - 1)^4}$$

Sequence: A352116
Score: 4.41879
Type of gen. func.: ogf

{-a(n + 6) + 2 a(n + 5) + a(n + 4) - 4 a(n + 3) + a(n + 2) + 2 a(n + 1) - a(n),

a(0) = 1, a(1) = 4, a(2) = 19, a(3) = 40, a(4) = 85, a(5) = 140}

Sequence: A352145
Score: 19.7296
Type of gen. func.: lgdegf]

$$-\sin(x) + \cos(x)$$

Sequence: A352148
Score: 3.84834
Type of gen. func.: ogf

$$(950 x^{15} + 8905 x^{14} + 2630 x^{13} + 1047 x^{12} + 859 x^{11} + 670 x^{10} + 363 x^{9} + 316 x^{8} + 204 x^{7} + 86 x^{6} + 89 x^{5} + 30 x^{4} + 26 x^{3} + 17 x^{2} + 8 x - 1) x/(10 x - 1)$$

Sequence: A352161
Score: 3.8364
Type of gen. func.: ogf

$$-(182 f(x) + 141275) (10 f(x) x^{2} - f(x) + 1125 x + 125)$$

Sequence: A352161
Score: 5.19771
Type of gen. func.: ogf

$$\{a(n + 2) - 10 a(n), a(0) = 125, a(1) = 1125\}$$

Sequence: A352161
Score: 7.32404
Type of gen. func.: ogf

$$-\frac{125 (9 x + 1)}{10 x^{2} - 1}$$

Sequence: A352161
Score: 8.95161
Type of gen. func.: ogf

$$-\frac{125 (9 x + 1)}{10 x^{2} - 1}$$

Sequence: A352178
Score: 2.14588
Type of gen. func.: ogf

$$\frac{x (x^{12} + x^{6} + 2 x + 1)}{(x + 1) (x - 1)^{2}}$$

Sequence: A352180
Score: 10.0956
Type of gen. func.: ogf

$$- \frac{10 x^{2} - 6 x - 1}{(x - 1) (x^{2} + 3 x - 1)}$$

Sequence: A352180
Score: 11.4881
Type of gen. func.: ogf

$$- \frac{10 x^{2} - 6 x - 1}{(x - 1) (x^{2} + 3 x - 1)}$$

Sequence: A352180
Score: 5.8448
Type of gen. func.: ogf

$$(33 f(x) - 61) (f(x) x^{3} + 2 f(x) x^{2} - 4 f(x) x + 10 x^{2} + f(x) - 6 x - 1)$$

Sequence: A352180
Score: 6.28592
Type of gen. func.: ogf

$$\{-a(n + 3) + 4 a(n + 2) - 2 a(n + 1) - a(n), a(0) = 1, a(1) = 10, a(2) = 28\}$$

Sequence: A352181

Score: 13.5302
Type of gen. func.: ogf

$$-\frac{5 x}{(x - 1) (x^2 - 98 x + 1)}$$

Sequence: A352181
Score: 16.1074
Type of gen. func.: ogf

$$-\frac{5 x}{(x - 1) (x^2 - 98 x + 1)}$$

Sequence: A352181
Score: 6.32254
Type of gen. func.: ogf

$$\{a(n + 3) - 99 a(n + 2) + 99 a(n + 1) - a(n), a(0) = 0, a(1) = 5, a(2) = 495\}$$

Sequence: A352181
Score: 8.56344
Type of gen. func.: ogf

$$f(x) x^3 - 99 f(x) x^2 + 99 f(x) x - f(x) + 5 x$$

Sequence: A352182
Score: 14.0804
Type of gen. func.: ogf

$$-\frac{30 x}{(x - 1) (x^2 - 98 x + 1)}$$

Sequence: A352182
Score: 16.7
Type of gen. func.: ogf

$$-\frac{30 x}{}$$

$$(x - 1) (x^2 - 98 x + 1)$$

Sequence: A352182
Score: 6.58808
Type of gen. func.: ogf

$\{a(n + 3) - 99 a(n + 2) + 99 a(n + 1) - a(n), a(0) = 0, a(1) = 30, a(2) = 2970\}$

Sequence: A352182
Score: 8.97626
Type of gen. func.: ogf

$$f(x) x^3 - 99 f(x) x^2 + 99 f(x) x - f(x) + 30 x$$

Sequence: A352226
Score: 4.87163
Type of gen. func.: ogf

$$- x (2 x^{34} - 2 x^{30} + 2 x^{26} - 2 x^{22} + 2 x^{18} + x^{12} - 2 x^{10} - x^8 + x^4 - 2 x^2 - 1) / ((x + 1) (x^2 + 1) (x^8 + 1) (x - 1)^2)$$

Sequence: A352226
Score: 5.11522
Type of gen. func.: ogf

$$- x (2 x^{34} - 2 x^{30} + 2 x^{26} - 2 x^{22} + 2 x^{18} + x^{12} - 2 x^{10} - x^8 + x^4 - 2 x^2 - 1) / ((x + 1) (x^2 + 1) (x^8 + 1) (x - 1)^2)$$

Sequence: A352241
Score: 3.05726
Type of gen. func.: ogf

```
              6    4    3
             x  + x  + x  + 1
      --------------------------------
        4    3    2                  2
```

$$(x + x + x + x + 1) (x - 1)$$

Sequence: A352241
Score: 3.35921
Type of gen. func.: ogf

$$\frac{x^6 + x^4 + x^3 + 1}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A352317
Score: 13.3725
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 - 6 x - 3}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A352317
Score: 15.0183
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 - 6 x - 3}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A352317
Score: 7.39538
Type of gen. func.: ogf

$$-(15282 f(x) + 290197) (f(x) x^4 - f(x) x^3 + x^3 - f(x) x - x^2 + f(x) - 6 x - 3)$$

Sequence: A352317
Score: 8.27279
Type of gen. func.: ogf

$\{-a(n + 4) + a(n + 3) + a(n + 1) - a(n), a(0) = 3, a(1) = 9, a(2) = 10,$

$a(3) = 12\}$

Sequence: A352385
Score: 6.43775
Type of gen. func.: ogf

$$-f(x)^3 - f(x)^2 x - 2 f(x) x^2 - x^3 + f(x)^2 + 2 f(x) x + x^2$$

Sequence: A352405
Score: 19.5388
Type of gen. func.: ogf

$$-\frac{x (5 x^2 - x + 2)}{(x - 1)^5}$$

Sequence: A352405
Score: 23.3512
Type of gen. func.: ogf

$$-\frac{x (5 x^2 - x + 2)}{(x - 1)^5}$$

Sequence: A352405
Score: 5.73293
Type of gen. func.: ogf

$\{-a(n + 5) + 5 a(n + 4) - 10 a(n + 3) + 10 a(n + 2) - 5 a(n + 1) + a(n),$

$a(0) = 0, a(1) = 2, a(2) = 9, a(3) = 30, a(4) = 80\}$

Sequence: A352422
Score: 2.89033
Type of gen. func.: ogf

$$\frac{x (6 x^6 - x^5 - x^4 - x^3 - x^2 - x + 7)}{(x - 1)^2}$$

```
------------------------------------------------------------------------------

Sequence:  A352422
Score: 3.22544
Type of gen. func.: ogf


                            6    5    4    3    2
                      x (6 x  - x  - x  - x  - x  - x + 7)
                      ------------------------------------
                                           2
                                    (x - 1)



------------------------------------------------------------------------------

Sequence:  A352432
Score: 3.80627
Type of gen. func.: ogf


{a(n + 5) - 3 a(n + 4) - 10 a(n + 3) + 18 a(n + 2) + 14 a(n + 1) - 20 a(n),

    a(0) = 1, a(1) = 1, a(2) = 11, a(3) = 29, a(4) = 165}



------------------------------------------------------------------------------

Sequence:  A352432
Score: 7.19428
Type of gen. func.: ogf


                                             2
                               (2 x - 1) (2 x  - 1)
                   - ----------------------------------------
                                  4      3       2
                     (x - 1) (20 x  + 6 x  - 12 x  - 2 x + 1)



------------------------------------------------------------------------------

Sequence:  A352432
Score: 7.8877
Type of gen. func.: ogf


                                             2
                               (2 x - 1) (2 x  - 1)
                   - ----------------------------------------
                                  4      3       2
                     (x - 1) (20 x  + 6 x  - 12 x  - 2 x + 1)



------------------------------------------------------------------------------

Sequence:  A352433
Score: 4.77063
Type of gen. func.: ogf


                                 4        3        2
                 (2 x - 1) (480 x  - 624 x  + 230 x  - 28 x + 1)
          - ---------------------------------------------------------
                           5         4         3        2
```

$$(x - 1) (7680 x - 9648 x + 4108 x - 714 x + 50 x - 1)$$

Sequence: A352433
Score: 5.0688
Type of gen. func.: ogf

$$-\frac{(2 x - 1) (480 x^{4} - 624 x^{3} + 230 x^{2} - 28 x + 1)}{(x - 1) (7680 x^{5} - 9648 x^{4} + 4108 x^{3} - 714 x^{2} + 50 x - 1)}$$

Sequence: A352434
Score: 4.89505
Type of gen. func.: ogf

$$\frac{x (x^{13} - x^{12} + 4 x^{11} - 2 x^{10} + 2 x^{9} + 2 x^{7} + 2 x^{5} + 2 x^{3} + x + 1)}{(x + 1) (x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A352434
Score: 5.10225
Type of gen. func.: ogf

$$\frac{x (x^{13} - x^{12} + 4 x^{11} - 2 x^{10} + 2 x^{9} + 2 x^{7} + 2 x^{5} + 2 x^{3} + x + 1)}{(x + 1) (x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1) (x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A352462
Score: 5.02658
Type of gen. func.: ogf

$$-\frac{10 x^{19} - 901 x^{9} - x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 1}{(x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A352462
Score: 5.23935
Type of gen. func.: ogf

$$-\frac{10 x^{19} - 901 x^{9} - x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 1}{(x + 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x - 1)^{2}}$$

Sequence: A352474
Score: 5.71843
Type of gen. func.: ogf

$$-\frac{240 x^{6} - 1520 x^{5} + 4008 x^{4} - 5592 x^{3} + 4295 x^{2} - 1697 x + 268}{(3 x - 1) (2 x - 1)^{3} (x - 1)^{5}}$$

Sequence: A352474
Score: 5.71843
Type of gen. func.: ogf

$$-\frac{240 x^{6} - 1520 x^{5} + 4008 x^{4} - 5592 x^{3} + 4295 x^{2} - 1697 x + 268}{(3 x - 1) (2 x - 1)^{3} (x - 1)^{5}}$$

Sequence: A352474
Score: 6.12689
Type of gen. func.: ogf

$$-\frac{240 x^{6} - 1520 x^{5} + 4008 x^{4} - 5592 x^{3} + 4295 x^{2} - 1697 x + 268}{(3 x - 1) (2 x - 1)^{3} (x - 1)^{5}}$$

Sequence: A352526
Score: 3.94088
Type of gen. func.: egf]

$$1/2\, I\, (2 I \ln(2 x - 1) x + 2 I \ln(2 x + 1) x - \ln(2 x - 1) I - \ln(2 x + 1) I - 4 I x + 2 \mathrm{Pi}\, x + 4 I - \mathrm{Pi})/(2 x - 1)$$

Sequence: A352529
Score: 30.0792
Type of gen. func.: ogf

$$\frac{1}{x^{16} + x + 1}$$

Sequence: A352529
Score: 41.0171
Type of gen. func.: ogf

$$\frac{1}{x^{16} + x + 1}$$

Sequence: A352530
Score: 4.30229
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^{30} - x^{29} + x^{27} - x^{26} + x^{24} - x^{23} + x^{21} - x^{20} + x^{18} - x^{17} + x^{15} - x^{14} + x^{12} - x^{11} + x^9 - x^8 + x^6 - x^5 + x^3 - x^2 + 1))$$

Sequence: A352530
Score: 4.40672
Type of gen. func.: ogf_with_Euler_transform]

$$(x + 1) (x^{34} - x^{33} - x^{31} + x^3 - x^2 + x - 1) \Big/ ((x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x^{28} - x^{25} + x^{21} - x^{18} + x^{14} - x^{11} + x^7 - x^4 + 1))$$

Sequence: A352530
Score: 4.47184
Type of gen. func.: ogf

$$1/((x^2 + x + 1) (x^{30} - x^{29} + x^{27} - x^{26} + x^{24} - x^{23} + x^{21} - x^{20} + x^{18} - x^{17} + x^{15} - x^{14} + x^{12} - x^{11} + x^9 - x^8 + x^6 - x^5 + x^3 - x^2 + 1))$$

Sequence: A352601
Score: 7.33022
Type of gen. func.: egf]

$$-27 f(x)^{3} x + 4 f(x)^{3} + 27 f(x)^{2} x - 4 f(x)^{2} - 9 f(x) x + x$$

Sequence: A352617
Score: 16.9662
Type of gen. func.: lgdegf]

$$3/2 \exp(x) + 1/2 \exp(-x)$$

Sequence: A352624
Score: 16.6979
Type of gen. func.: lgdegf]

$$3/2 \exp(x) - 1/2 \exp(-x)$$

Sequence: A352626
Score: 14.7944
Type of gen. func.: lgdogf

$$-\frac{4 (x + 2)}{(2 x + 1) (4 x - 1)}$$

Sequence: A352626
Score: 4.39606
Type of gen. func.: ogf

$$\{-a(n + 3) n + 2 a(n + 2) n + 8 a(n + 1) n - 3 a(n + 3) + 12 a(n + 2)$$
$$+ 12 a(n + 1), a(0) = 1, a(1) = 8, a(2) = 42\}$$

Sequence: A352626
Score: 8.01366
Type of gen. func.: ogf

$$64 f(x)^{2} x^{3} - 48 f(x)^{2} x^{2} + 12 f(x)^{2} x - f(x)^{2} + 4 x^{2} + 4 x + 1$$

Sequence: A352639
Score: 28.2993
Type of gen. func.: lgdegf]

2 cos(x)

Sequence: A352640
Score: 28.2052
Type of gen. func.: lgdegf]

3 cos(x)

Sequence: A352642
Score: 14.9649
Type of gen. func.: lgdegf]

2 cos(x) - 2 sin(x) x

Sequence: A352643
Score: 16.3188
Type of gen. func.: lgdegf]

3 cos(x) - 3 sin(x) x

Sequence: A352644
Score: 8.36132
Type of gen. func.: lgdegf]

exp(x) x - exp(-x) x + exp(x) + exp(-x)

Sequence: A352645
Score: 6.89302
Type of gen. func.: lgdegf]

3/2 exp(x) x + 3/2 exp(x) - 3/2 exp(-x) x + 3/2 exp(-x)

Sequence: A352659

Score: 3.91522
Type of gen. func.: ogf

$$\{a(n + 4) n - a(n + 1) n + 5 a(n + 4) - a(n + 5) + a(n + 2) - 2 a(n + 1),$$
$$a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 7, a(4) = 28\}$$

Sequence: A352660
Score: 3.62976
Type of gen. func.: ogf

$$\{-a(n + 5) n + a(n + 1) n + a(n + 6) - 6 a(n + 5) - a(n + 2) + 2 a(n + 1),$$
$$a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 6, a(4) = 25, a(5) = 125\}$$

Sequence: A352669
Score: 3.19488
Type of gen. func.: lgdogf

$$-\frac{4}{x - 1}$$

Sequence: A352674
Score: 4.36224
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 4 x^8 + 4 x^7 + 4 x^6 + 4 x^5 + 4 x^4 + 4 x^3 + 4 x^2 + 4 x + 4}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A352674
Score: 4.55399
Type of gen. func.: ogf

$$\frac{x^{10} + 4 x^9 + 4 x^8 + 4 x^7 + 4 x^6 + 4 x^5 + 4 x^4 + 4 x^3 + 4 x^2 + 4 x + 4}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A352681
Score: 10.7945
Type of gen. func.: ogf

$$f(x)^2 x - 3 f(x) x + 9 x^2 - f(x) + 6 x + 1$$

Sequence: A352692
Score: 10.0857
Type of gen. func.: ogf

$$(13 f(x) - 43) (2 f(x) x^2 + f(x) x - f(x) - 7 x + 4)$$

Sequence: A352692
Score: 11.8575
Type of gen. func.: ogf

$$\{a(n + 2) - a(n + 1) - 2 a(n), a(0) = 4, a(1) = -3\}$$

Sequence: A352692
Score: 19.499
Type of gen. func.: ogf

$$\frac{7 x - 4}{(x + 1) (2 x - 1)}$$

Sequence: A352692
Score: 23.7149
Type of gen. func.: ogf

$$\frac{7 x - 4}{(x + 1) (2 x - 1)}$$

Sequence: A352719
Score: 2.51909
Type of gen. func.: ogf

$$x (2 x^{12} + 3 x^{11} + 3 x^{10} + 3 x^9 + 3 x^8 + 2 x^7 + x^6 + 2 x^5 + x^4 + 2 x^3 + x^2 + 2 x + 1) \Big/ ($$

12 11 10 9 8 7 6 5 4 3 2 2

$$(x + x + x + x + x + x + x + x + x + x + x + x + 1) (x - 1))$$

Sequence: A352719
Score: 2.60946
Type of gen. func.: ogf

$$x (2 x^{12} + 3 x^{11} + 3 x^{10} + 3 x^9 + 3 x^8 + 2 x^7 + x^6 + 2 x^5 + x^4 + 2 x^3 + x^2 + 2 x + 1) / ((x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A352720
Score: 6.26985
Type of gen. func.: ogf

$$\frac{x^8 + x^7 + 2 x^6 + x^5 + 2 x^4 + x^3 - 1}{(x - 1) (x + 1) (x^3 + x^2 + x - 1) (x^6 + x^4 + x^2 - 1)}$$

Sequence: A352720
Score: 6.62559
Type of gen. func.: ogf

$$\frac{x^8 + x^7 + 2 x^6 + x^5 + 2 x^4 + x^3 - 1}{(x - 1) (x + 1) (x^3 + x^2 + x - 1) (x^6 + x^4 + x^2 - 1)}$$

Sequence: A352721
Score: 10.1085
Type of gen. func.: ogf

$$- \frac{x (64 x^2 + 8 x + 1)}{(10 x - 1) (100 x^2 + 10 x + 1)}$$

Sequence: A352721

Score: 11.3338
Type of gen. func.: ogf

$$-\frac{x\,(64\,x^2 + 8\,x + 1)}{(10\,x - 1)\,(100\,x^2 + 10\,x + 1)}$$

Sequence: A352721
Score: 8.22014
Type of gen. func.: ogf

$$\{a(n + 4) - 1000\,a(n + 1),\ a(0) = 0,\ a(1) = 1,\ a(2) = 8,\ a(3) = 64\}$$

Sequence: A352721
Score: 9.97376
Type of gen. func.: ogf

$$f(x)\,(1000\,f(x)\,x^3 + 64\,x^3 + 8\,x^2 - f(x) + x)$$

Sequence: A352737
Score: 10.3081
Type of gen. func.: ogf

$$\frac{2\,(x^3 - 2\,x^2 - x + 1)}{(2\,x - 1)\,(x + 1)\,(2\,x^2 - 1)}$$

Sequence: A352737
Score: 11.4378
Type of gen. func.: ogf

$$\frac{2\,(x^3 - 2\,x^2 - x + 1)}{(2\,x - 1)\,(x + 1)\,(2\,x^2 - 1)}$$

Sequence: A352737
Score: 5.88
Type of gen. func.: ogf

$$-(f(x) + 15)$$

$$(4 f(x) x^4 + 2 f(x) x^3 - 4 f(x) x^2 - 2 x^3 - f(x) x + 4 x^2 + f(x) + 2 x - 2)$$

Sequence: A352737
Score: 6.27789
Type of gen. func.: ogf

$\{-a(n + 4) + a(n + 3) + 4 a(n + 2) - 2 a(n + 1) - 4 a(n), a(0) = 2, a(1) = 0,$
$a(2) = 4, a(3) = 2\}$

Sequence: A352745
Score: 3.49767
Type of gen. func.: ogf

$\{a(n + 7) - 2 a(n + 5) + a(n + 3), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 2,$
$a(4) = 2, a(5) = 3, a(6) = 4\}$

Sequence: A352745
Score: 7.1981
Type of gen. func.: ogf

$$\frac{x^6 + x^4 - x^2 + x + 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A352745
Score: 8.14212
Type of gen. func.: ogf

$$\frac{x^6 + x^4 - x^2 + x + 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A352748
Score: 2.42414
Type of gen. func.: ogf

$$(x^{13} + 2 x^{12} + x^{11} + 2 x^{10} + x^9 + 2 x^8 + x^7 + 2 x^6 + x^5 + 2 x^4 + 3 x^3 + 3 x^2 + 3 x + 2) / ((x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A352748
Score: 2.5092
Type of gen. func.: ogf

$$(x^{13} + 2 x^{12} + x^{11} + 2 x^{10} + x^9 + 2 x^8 + x^7 + 2 x^6 + x^5 + 2 x^4 + 3 x^3 + 3 x^2 + 3 x + 2) / ((x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A352755
Score: 5.1637
Type of gen. func.: ogf

$$(x + 1) (91 x^8 + 200158 x^7 + 13200112 x^6 + 136997314 x^5 + 326261290 x^4 + 136997314 x^3 + 13200112 x^2 + 200158 x + 91) / (x - 1)^{10}$$

Sequence: A352756
Score: 19.7647
Type of gen. func.: ogf

$$\frac{4 x^3 + 31 x^2 + 34 x + 3}{(x - 1)^4}$$

Sequence: A352756
Score: 23.4419
Type of gen. func.: ogf

$$4 x^3 + 31 x^2 + 34 x + 3$$

$$\frac{}{(x-1)^{4}}$$

Sequence: A352756
Score: 6.85715
Type of gen. func.: ogf

$$(6444 f(x) + 157111) \left(f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 4 x^{3} - 4 f(x) x - 31 x^{2} + f(x) - 34 x - 3 \right)$$

Sequence: A352756
Score: 7.25181
Type of gen. func.: ogf

$$\{-a(n + 4) + 4 a(n + 3) - 6 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 3, a(1) = 46, a(2) = 197, a(3) = 528\}$$

Sequence: A352757
Score: 14.548
Type of gen. func.: ogf

$$-\frac{5 x^{4} + 123 x^{3} + 321 x^{2} + 121 x + 6}{(x - 1)^{5}}$$

Sequence: A352757
Score: 16.5206
Type of gen. func.: ogf

$$-\frac{5 x^{4} + 123 x^{3} + 321 x^{2} + 121 x + 6}{(x - 1)^{5}}$$

Sequence: A352757
Score: 5.47594
Type of gen. func.: ogf

$$\{a(n+5) - 5\,a(n+4) + 10\,a(n+3) - 10\,a(n+2) + 5\,a(n+1) - a(n),$$

$$a(0) = 6,\ a(1) = 151,\ a(2) = 1016,\ a(3) = 3753,\ a(4) = 10090\}$$

Sequence: A352758
Score: 14.548
Type of gen. func.: ogf

$$-\frac{6\,x^4 + 121\,x^3 + 321\,x^2 + 123\,x + 5}{(x-1)^5}$$

Sequence: A352758
Score: 16.5206
Type of gen. func.: ogf

$$-\frac{6\,x^4 + 121\,x^3 + 321\,x^2 + 123\,x + 5}{(x-1)^5}$$

Sequence: A352758
Score: 5.47594
Type of gen. func.: ogf

$$\{a(n+5) - 5\,a(n+4) + 10\,a(n+3) - 10\,a(n+2) + 5\,a(n+1) - a(n),$$

$$a(0) = 5,\ a(1) = 148,\ a(2) = 1011,\ a(3) = 3746,\ a(4) = 10081\}$$

Sequence: A352759
Score: 5.81051
Type of gen. func.: ogf

$$189\,(x+1)\,(x^8 + 18970\,x^7 + 1674640\,x^6 + 19258054\,x^5 + 47676190\,x^4$$

$$+ 19258054\,x^3 + 1674640\,x^2 + 18970\,x + 1) \Big/ (x-1)^{10}$$

Sequence: A352779
Score: 17.0397
Type of gen. func.: ogf

$$\{-a(n + 1) - 3 a(n), a(0) = 1\}$$

Sequence: A352779
Score: 18.2865
Type of gen. func.: ogf

$$3 f(x) x + f(x) - 1$$

Sequence: A352779
Score: 35.7022
Type of gen. func.: ogf

$$\frac{1}{3 x + 1}$$

Sequence: A352779
Score: 57.6728
Type of gen. func.: ogf

$$\frac{1}{3 x + 1}$$

Sequence: A352789
Score: 19.6955
Type of gen. func.: ogf

$$- \frac{1}{2 x^5 + 8 x^3 + x - 1}$$

Sequence: A352789
Score: 24.4702
Type of gen. func.: ogf

$$- \frac{1}{2 x^5 + 8 x^3 + x - 1}$$

Sequence: A352789
Score: 6.25982
Type of gen. func.: ogf

{-a(n + 5) + a(n + 4) + 8 a(n + 2) + 2 a(n), a(0) = 1, a(1) = 1, a(2) = 1,

a(3) = 9, a(4) = 17}

Sequence: A352795
Score: 11.3218
Type of gen. func.: ogf

$$-\frac{1}{(x + 1) (2 x^6 + 2 x^4 + 2 x^3 - 2 x^2 + 2 x - 1)}$$

Sequence: A352795
Score: 12.8067
Type of gen. func.: ogf

$$-\frac{1}{(x + 1) (2 x^6 + 2 x^4 + 2 x^3 - 2 x^2 + 2 x - 1)}$$

Sequence: A352847
Score: 17.1673
Type of gen. func.: ogf

$$-\frac{48 x^2 (2 x + 1)}{(2 x - 1)^5}$$

Sequence: A352847
Score: 21.2067
Type of gen. func.: ogf

$$-\frac{48 x^2 (2 x + 1)}{(2 x - 1)^5}$$

Sequence: A352847
Score: 4.16779
Type of gen. func.: ogf

$$\{a(n + 5) - 10 a(n + 4) + 40 a(n + 3) - 80 a(n + 2) + 80 a(n + 1) - 32 a(n), a(0) = 0, a(1) = 0, a(2) = 48, a(3) = 576, a(4) = 3840\}$$

Sequence: A352873
Score: 10.8121
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^3 - x^2 - x - 1)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A352873
Score: 6.12154
Type of gen. func.: ogf

$$\{-a(n + 5) + a(n + 4) + a(n + 2) - a(n + 1), a(0) = 1, a(1) = 3, a(2) = 5, a(3) = 6, a(4) = 7\}$$

Sequence: A352873
Score: 6.88041
Type of gen. func.: ogf

$$(16 f(x) + 47) (f(x) x^4 - f(x) x^3 + x^4 - f(x) x - 2 x^2 + f(x) - 2 x - 1)$$

Sequence: A352873
Score: 9.79446
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^3 - x^2 - x - 1)}{(x^2 + x + 1) (x - 1)^2}$$

Sequence: A352918

Score: 3.92391
Type of gen. func.: ogf

$$(2 f(x) x - f(x) + 2 x + 1)^3$$

Sequence: A352994
Score: 14.179
Type of gen. func.: ogf

$$\frac{24 x^2 (12 x^2 + 28 x + 3)}{(2 x - 1)^6}$$

Sequence: A352994
Score: 16.757
Type of gen. func.: ogf

$$\frac{24 x^2 (12 x^2 + 28 x + 3)}{(2 x - 1)^6}$$

Sequence: A353029
Score: 11.3973
Type of gen. func.: ogf

$$- \frac{16 x^2 (2 x + 1) (4 x^2 + 56 x + 1)}{(2 x - 1)^7}$$

Sequence: A353029
Score: 13.0551
Type of gen. func.: ogf

$$- \frac{16 x^2 (2 x + 1) (4 x^2 + 56 x + 1)}{(2 x - 1)^7}$$

Sequence: A353047
Score: 15.515
Type of gen. func.: ogf

$$-\frac{12}{(3x-1)(2x-1)^2(x-1)^2}$$

Sequence: A353047
Score: 18.4702
Type of gen. func.: ogf

$$-\frac{12}{(3x-1)(2x-1)^2(x-1)^2}$$

Sequence: A353047
Score: 4.30972
Type of gen. func.: ogf

{a(n + 5) - 9 a(n + 4) + 31 a(n + 3) - 51 a(n + 2) + 40 a(n + 1) - 12 a(n),

a(0) = 12, a(1) = 108, a(2) = 600, a(3) = 2664, a(4) = 10404}

Sequence: A353094
Score: 17.4015
Type of gen. func.: ogf

$$\frac{3x-2}{(3x-1)(x-1)^2}$$

Sequence: A353094
Score: 21.164
Type of gen. func.: ogf

$$\frac{3x-2}{(3x-1)(x-1)^2}$$

Sequence: A353094
Score: 7.18411

Type of gen. func.: ogf

$$-(13 f(x) + 72) (3 f(x) x^3 - 7 f(x) x^2 + 5 f(x) x - f(x) - 3 x + 2)$$

Sequence: A353094
Score: 7.45779
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) + 7 a(n + 1) - 3 a(n), a(0) = 2, a(1) = 7, a(2) = 21\}$$

Sequence: A353095
Score: 16.7382
Type of gen. func.: ogf

$$\frac{4 x - 3}{(4 x - 1) (x - 1)^2}$$

Sequence: A353095
Score: 20.3572
Type of gen. func.: ogf

$$\frac{4 x - 3}{(4 x - 1) (x - 1)^2}$$

Sequence: A353095
Score: 6.54971
Type of gen. func.: ogf

$$-(12743 f(x) + 33648) (4 f(x) x^3 - 9 f(x) x^2 + 6 f(x) x - f(x) - 4 x + 3)$$

Sequence: A353095
Score: 7.10582
Type of gen. func.: ogf

$$\{a(n + 3) - 6 a(n + 2) + 9 a(n + 1) - 4 a(n), a(0) = 3, a(1) = 14, a(2) = 57\}$$

Sequence: A353096
Score: 16.0259
Type of gen. func.: ogf

$$\frac{5x-4}{(5x-1)(x-1)^2}$$

Sequence: A353096
Score: 19.4909
Type of gen. func.: ogf

$$\frac{5x-4}{(5x-1)(x-1)^2}$$

Sequence: A353096
Score: 6.16379
Type of gen. func.: ogf

$$-(74707 f(x) + 201875) (5 f(x) x^3 - 11 f(x) x^2 + 7 f(x) x - f(x) - 5 x + 4)$$

Sequence: A353096
Score: 6.67744
Type of gen. func.: ogf

$\{a(n + 3) - 7 a(n + 2) + 11 a(n + 1) - 5 a(n), a(0) = 4, a(1) = 23, a(2) = 117\}$

Sequence: A353097
Score: 15.936
Type of gen. func.: ogf

$$\frac{6x-5}{(6x-1)(x-1)^2}$$

Sequence: A353097
Score: 19.3817
Type of gen. func.: ogf

$$\frac{6 x - 5}{(6 x - 1) (x - 1)^2}$$

Sequence: A353097
Score: 6.02623
Type of gen. func.: ogf

$$-(925655 f(x) + 2794644) (6 f(x) x^3 - 13 f(x) x^2 + 8 f(x) x - f(x) - 6 x + 5)$$

Sequence: A353097
Score: 6.64002
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 13 a(n + 1) - 6 a(n), a(0) = 5, a(1) = 34, a(2) = 207\}$$

Sequence: A353098
Score: 15.4932
Type of gen. func.: ogf

$$\frac{7 x - 6}{(7 x - 1) (x - 1)^2}$$

Sequence: A353098
Score: 18.8431
Type of gen. func.: ogf

$$\frac{7 x - 6}{(7 x - 1) (x - 1)^2}$$

Sequence: A353098
Score: 5.95894
Type of gen. func.: ogf

$$-(87029 f(x) + 297234) (7 f(x) x^3 - 15 f(x) x^2 + 9 f(x) x - f(x) - 7 x + 6)$$

Sequence: A353098
Score: 6.45552
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 15 a(n + 1) - 7 a(n), a(0) = 6, a(1) = 47, a(2) = 333\}$$

Sequence: A353099
Score: 14.8455
Type of gen. func.: ogf

$$\frac{8 x - 7}{(8 x - 1) (x - 1)^2}$$

Sequence: A353099
Score: 18.0554
Type of gen. func.: ogf

$$\frac{8 x - 7}{(8 x - 1) (x - 1)^2}$$

Sequence: A353099
Score: 5.43129
Type of gen. func.: ogf

$$-(13674287 f(x) + 52612288) (8 f(x) x^3 - 17 f(x) x^2 + 10 f(x) x - f(x) - 8 x + 7)$$

Sequence: A353099
Score: 6.12888
Type of gen. func.: ogf

$$\{a(n + 3) - 10 a(n + 2) + 17 a(n + 1) - 8 a(n), a(0) = 7, a(1) = 62, a(2) = 501\}$$

Sequence: A353100
Score: 15.5112
Type of gen. func.: ogf

$$\frac{9 x - 8}{(9 x - 1) (x - 1)^{2}}$$

Sequence: A353100
Score: 18.865
Type of gen. func.: ogf

$$\frac{9 x - 8}{(9 x - 1) (x - 1)^{2}}$$

Sequence: A353100
Score: 5.67484
Type of gen. func.: ogf

$$-(19733899 f(x) + 84843369) (9 f(x) x^{3} - 19 f(x) x^{2} + 11 f(x) x - f(x) - 9 x + 8)$$

Sequence: A353100
Score: 6.40372
Type of gen. func.: ogf

$$\{a(n + 3) - 11 a(n + 2) + 19 a(n + 1) - 9 a(n), a(0) = 8, a(1) = 79, a(2) = 717\}$$

Sequence: A353133
Score: 5.07231
Type of gen. func.: ogf

$$1/2 I (-2 (x + 1)^{(5/2)} x + (x + 1)^{(5/2)} + (3 x - 1)^{1/2} x^{2} I + 2 I (3 x - 1)^{1/2} x + (3 x - 1)^{1/2} I) / ((3 x - 1)^{1/2} x^{3})$$

Sequence: A353133
Score: 6.22347
Type of gen. func.: ogf

$$3 f(x)^2 x^4 - f(x)^2 x^3 + 3 f(x) x^3 + x^4 + 5 f(x) x^2 + 4 x^3 + f(x) x + 6 x^2 - f(x) + 4 x + 1$$

Sequence: A353180
Score: 6.09108
Type of gen. func.: egf]

$$-72 (x^7 - 57657600) / (3 x^{11} - 11440 x^9 + 72 x^8 - 72 x^7 - 172972800 x^4 - 4151347200 x + 4151347200)$$

Sequence: A353180
Score: 6.51853
Type of gen. func.: egf]

$$-72 (x^7 - 57657600) / (3 x^{11} - 11440 x^9 + 72 x^8 - 72 x^7 - 172972800 x^4 - 4151347200 x + 4151347200)$$

Sequence: A353182
Score: 6.93875
Type of gen. func.: ogf

$$-360 f(x)^2 x^4 + 36 f(x)^2 x^3 + 10 f(x)^2 x^2 - f(x)^2 x - 324 f(x) x^2 + 9 f(x) - 81$$

Sequence: A353183
Score: 6.10278
Type of gen. func.: ogf

$$\frac{9 (2 I x + ((6 x - 1) (6 x + 1))^{1/2} - I)}{2 ((6 x - 1) (6 x + 1))^{1/2} x (x - 1) (10 x - 1)}$$

Sequence: A353204
Score: 3.52207
Type of gen. func.: lgdegf]

$$(\mathrm{Pi}\, x - \mathrm{Pi} + \ln(x - 1)\, x\, I + \ln(x + 1)\, x\, I - 2\, I\, x^{2} - \ln(x - 1)\, I - \ln(x + 1)\, I)\, I \Big/ ((x - 1)\, x^{2})$$

Sequence: A353207
Score: 4.39114
Type of gen. func.: ogf

$$-(440587\, f(x) + 213821)\, (16\, f(x)\, x^{4} - 50\, f(x)\, x^{3} + 46\, f(x)\, x^{2} + 2\, x^{3} - 13\, f(x)\, x - 22\, x^{2} + f(x) + 7\, x - 1)$$

Sequence: A353207
Score: 4.85828
Type of gen. func.: ogf

$$\{a(n + 4) - 13\, a(n + 3) + 46\, a(n + 2) - 50\, a(n + 1) + 16\, a(n),\ a(0) = 1,\ a(1) = 6,\ a(2) = 54,\ a(3) = 474\}$$

Sequence: A353207
Score: 7.96532
Type of gen. func.: ogf

$$-\frac{2\, x^{3} - 22\, x^{2} + 7\, x - 1}{(x - 1)\, (8\, x - 1)\, (2\, x^{2} - 4\, x + 1)}$$

Sequence: A353207
Score: 8.78228
Type of gen. func.: ogf

$$-\frac{2\, x^{3} - 22\, x^{2} + 7\, x - 1}{(x - 1)\, (8\, x - 1)\, (2\, x^{2} - 4\, x + 1)}$$

Sequence: A353230
Score: 4.11097
Type of gen. func.: ogf

$$\{-a(n + 3) n + 17 a(n + 2) n - 72 a(n + 1) n - 3 a(n + 3) + 47 a(n + 2) - 180 a(n + 1), a(0) = 0, a(1) = 6, a(2) = 90\}$$

Sequence: A353230
Score: 5.3503
Type of gen. func.: ogf

$$-648 f(x)^2 x^3 + 225 f(x)^2 x^2 - 26 f(x)^2 x + 216 f(x) x^2 + f(x)^2 - 51 f(x) x + 3 f(x) - 18 x$$

Sequence: A353230
Score: 9.96768
Type of gen. func.: ogf

$$\frac{3 ((-8 x + 1)^{1/2} - 1)}{2 (-8 x + 1)^{1/2} (9 x - 1)}$$

Sequence: A353232
Score: 14.0436
Type of gen. func.: ogf

$$- \frac{x (2 x^3 - 7 x^2 + 6 x - 2)}{(x - 1)^6}$$

Sequence: A353232
Score: 16.3365
Type of gen. func.: ogf

$$- \frac{x (2 x^3 - 7 x^2 + 6 x - 2)}{{}^{6}}$$

$$(x - 1)$$

Sequence: A353232
Score: 4.02255
Type of gen. func.: ogf

$$\{a(n + 6) - 6 a(n + 5) + 15 a(n + 4) - 20 a(n + 3) + 15 a(n + 2) - 6 a(n + 1) + a(n), a(0) = 0, a(1) = 2, a(2) = 6, a(3) = 13, a(4) = 26, a(5) = 51\}$$

Sequence: A353313
Score: 14.3055
Type of gen. func.: ogf

$$\frac{x (x^3 + x^2 + 5 x + 4)}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A353313
Score: 16.0661
Type of gen. func.: ogf

$$\frac{x (x^3 + x^2 + 5 x + 4)}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A353313
Score: 8.55982
Type of gen. func.: ogf

$$\{a(n + 6) - 2 a(n + 3) + a(n), a(0) = 0, a(1) = 4, a(2) = 5, a(3) = 1, a(4) = 9, a(5) = 10\}$$

Sequence: A353314
Score: 14.4428
Type of gen. func.: ogf

$$\frac{x (x^3 + 3 x^2 + 5 x + 4)}{{}^{2}\quad{}^{2}\qquad{}^{2}}$$

$$(x - 1)\quad (x\quad + x + 1)$$

Sequence: A353314
Score: 16.2204
Type of gen. func.: ogf

$$\frac{x\,(x^{3} + 3\,x^{2} + 5\,x + 4)}{(x - 1)^{2}\,(x^{2} + x + 1)^{2}}$$

Sequence: A353314
Score: 8.642
Type of gen. func.: ogf

{a(n + 6) - 2 a(n + 3) + a(n), a(0) = 0, a(1) = 4, a(2) = 5, a(3) = 3, a(4) = 9, a(5) = 10}

Sequence: A353322
Score: 4.10184
Type of gen. func.: ogf

$$-x^{2}\,(2\,x^{21} + 2\,x^{20} + 8\,x^{17} + 8\,x^{15} - 2\,x^{13} - 2\,x^{12} + 8\,x^{11} + 3\,x^{8} + x^{6} + 2\,x^{5} + 2\,x^{4} + 2\,x^{2} + 1)\ \Big/\ ((x - 1)\,(x + 1)\,(x^{2} + 1)\,(x^{4} + 1))$$

Sequence: A353322
Score: 4.28829
Type of gen. func.: ogf

$$-x^{2}\,(2\,x^{21} + 2\,x^{20} + 8\,x^{17} + 8\,x^{15} - 2\,x^{13} - 2\,x^{12} + 8\,x^{11} + 3\,x^{8} + x^{6} + 2\,x^{5} + 2\,x^{4} + 2\,x^{2} + 1)\ \Big/\ ((x - 1)\,(x + 1)\,(x^{2} + 1)\,(x^{4} + 1))$$

Sequence: A353327
Score: 11.5713
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^3 - 3)}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A353327
Score: 12.9129
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^3 - 3)}{(x - 1)^2 (x^2 + x + 1)^2}$$

Sequence: A353327
Score: 7.42492
Type of gen. func.: ogf

$\{-a(n + 6) + 2 a(n + 3) - a(n), a(0) = 0, a(1) = 3, a(2) = 3, a(3) = 0,$

$a(4) = 5, a(5) = 5\}$

Sequence: A353344
Score: 10.9123
Type of gen. func.: lgdegf]

$$-\frac{3 (\mathrm{Pi}\ I - \ln(x - 1))^2}{x - 1}$$

Sequence: A353384
Score: 6.95503
Type of gen. func.: ogf

$$-\frac{20 x^8 + 20 x^7 + 20 x^6 + 10 x^5 - x^4 - 5 x^3 - 4 x^2 - 2 x - 1}{(2 x^2 - 1) (2 x^2 + 1) (5 x^4 - 1)}$$

Sequence: A353384
Score: 7.40015
Type of gen. func.: ogf

$$-\frac{20x^8+20x^7+20x^6+10x^5-x^4-5x^3-4x^2-2x-1}{(2x^2-1)(2x^2+1)(5x^4-1)}$$

Sequence: A353410
Score: 5.08705
Type of gen. func.: ogf

$$-(2f(x)+1)(9f(x)x^4-84f(x)x^3+126f(x)x^2+84x^3-36f(x)x-252x^2+f(x)+108x-4)$$

Sequence: A353410
Score: 5.22643
Type of gen. func.: ogf

$\{-a(n+4)+36a(n+3)-126a(n+2)+84a(n+1)-9a(n),\ a(0)=4,\ a(1)=36,\ a(2)=1044,\ a(3)=33300\}$

Sequence: A353410
Score: 8.87277
Type of gen. func.: ogf

$$-\frac{4(21x^3-63x^2+27x-1)}{(3x-1)(3x^3-27x^2+33x-1)}$$

Sequence: A353410
Score: 9.7828
Type of gen. func.: ogf

$$-\frac{4(21x^3-63x^2+27x-1)}{(3x-1)(3x^3-27x^2+33x-1)}$$

Sequence: A353411
Score: 5.08998

Type of gen. func.: ogf

$$-\frac{2\,(143\,x^5-1287\,x^4+2574\,x^3-1430\,x^2+195\,x-3)}{13\,x^6-286\,x^5+1287\,x^4-1716\,x^3+715\,x^2-78\,x+1}$$

Sequence: A353411
Score: 5.41315
Type of gen. func.: ogf

$$-\frac{2\,(143\,x^5-1287\,x^4+2574\,x^3-1430\,x^2+195\,x-3)}{13\,x^6-286\,x^5+1287\,x^4-1716\,x^3+715\,x^2-78\,x+1}$$

Sequence: A353437
Score: 4.95958
Type of gen. func.: ogf

$$-(x^{26}-x^{24}+2\,x^{23}+x^{22}-3\,x^{21}+2\,x^{20}-2\,x^{19}+x^{18}-x^{17}+x^{16}-x^{15}+x^{14}-x^{12}+x^{11}+x^8+x^7-3\,x^6+4\,x^2-4\,x-1)\ \Big/\ (x-1)^2$$

Sequence: A353437
Score: 5.17175
Type of gen. func.: ogf

$$-(x^{26}-x^{24}+2\,x^{23}+x^{22}-3\,x^{21}+2\,x^{20}-2\,x^{19}+x^{18}-x^{17}+x^{16}-x^{15}+x^{14}-x^{12}+x^{11}+x^8+x^7-3\,x^6+4\,x^2-4\,x-1)\ \Big/\ (x-1)^2$$

Sequence: A353465
Score: 7.44722
Type of gen. func.: ogf

$$\frac{2\,x\,(2\,x^8-x^7-x^6+2\,x^5-x^4+2\,x^2-3\,x+2)}{(x^8-x^7+x^5-x^4+x^3-x+1)\,(x-1)^2}$$

Sequence: A353465
Score: 7.89518
Type of gen. func.: ogf

$$\frac{2 x (2 x^{8} - x^{7} - x^{6} + 2 x^{5} - x^{4} + 2 x^{2} - 3 x + 2)}{(x^{8} - x^{7} + x^{5} - x^{4} + x^{3} - x + 1) (x - 1)^{2}}$$

Sequence: A353466
Score: 7.27501
Type of gen. func.: ogf

$$\frac{2 (x^{9} - 2 x^{7} + 3 x^{6} - 2 x^{5} + x^{4} + x^{3} - 2 x^{2} + x + 1)}{(x^{8} - x^{7} + x^{5} - x^{4} + x^{3} - x + 1) (x - 1)^{2}}$$

Sequence: A353466
Score: 7.69983
Type of gen. func.: ogf

$$\frac{2 (x^{9} - 2 x^{7} + 3 x^{6} - 2 x^{5} + x^{4} + x^{3} - 2 x^{2} + x + 1)}{(x^{8} - x^{7} + x^{5} - x^{4} + x^{3} - x + 1) (x - 1)^{2}}$$

Sequence: A353487
Score: 4.9149
Type of gen. func.: ogf

$$- \frac{3 x^{13} + x^{12} - x^{10} - 3 x^{9} + 3 x^{7} + x^{6} - x^{4} - 3 x^{3} + 3 x + 1}{(x - 1) (x + 1) (x^{4} - x^{3} + x^{2} - x + 1) (x^{8} + x^{7} - x^{5} - x^{4} - x^{3} + x + 1)}$$

Sequence: A353487
Score: 5.11551
Type of gen. func.: ogf

$$3 x^{13} + x^{12} - x^{10} - 3 x^{9} + 3 x^{7} + x^{6} - x^{4} - 3 x^{3} + 3 x + 1$$

```
   - -----------------------------------------------------------------------
                       4    3    2            8    7    5    4    3
     (x - 1) (x + 1) (x  - x  + x  - x + 1) (x  + x  - x  - x  - x  + x + 1)



------------------------------------------------------------------------------

Sequence:  A353488
Score: 3.27636
Type of gen. func.: ogf


    24    20    12    8        /                    2
- (x   - x   + x   - x  + 1)  /  ((x - 1) (x + 1) (x  + 1)
                             /

      8    6    4    2        16    14    10    8    6    2
    (x  - x  + x  - x  + 1) (x   + x   - x   - x  - x  + x  + 1))



------------------------------------------------------------------------------

Sequence:  A353488
Score: 3.41653
Type of gen. func.: ogf


    24    20    12    8        /                    2
- (x   - x   + x   - x  + 1)  /  ((x - 1) (x + 1) (x  + 1)
                             /

      8    6    4    2        16    14    10    8    6    2
    (x  - x  + x  - x  + 1) (x   + x   - x   - x  - x  + x  + 1))



------------------------------------------------------------------------------

Sequence:  A353489
Score: 3.14021
Type of gen. func.: ogf


   2   24    16    12    4        /                    2
- x  (x   - x   + x   - x  + 1)  /  ((x - 1) (x + 1) (x  + 1)
                                /

      8    6    4    2        16    14    10    8    6    2
    (x  - x  + x  - x  + 1) (x   + x   - x   - x  - x  + x  + 1))



------------------------------------------------------------------------------

Sequence:  A353489
Score: 3.27173
Type of gen. func.: ogf


   2   24    16    12    4        /                    2
- x  (x   - x   + x   - x  + 1)  /  ((x - 1) (x + 1) (x  + 1)
                                /

      8    6    4    2        16    14    10    8    6    2
    (x  - x  + x  - x  + 1) (x   + x   - x   - x  - x  + x  + 1))



------------------------------------------------------------------------------
```

Sequence: A353516
Score: 3.85631
Type of gen. func.: ogf

$$-(x+1)\left(2x^{26}-x^{25}+x^{24}-x^{19}-x^{18}+2x^{14}-x^{13}+x^{12}-x^{7}-x^{6}+2x^{2}-x+1\right) \Big/ \left((x-1)(x^{2}+1)(x^{8}-x^{6}+x^{4}-x^{2}+1)(x^{16}+x^{14}-x^{10}-x^{8}-x^{6}+x^{2}+1)\right)$$

Sequence: A353516
Score: 3.97873
Type of gen. func.: ogf

$$-(x+1)\left(2x^{26}-x^{25}+x^{24}-x^{19}-x^{18}+2x^{14}-x^{13}+x^{12}-x^{7}-x^{6}+2x^{2}-x+1\right) \Big/ \left((x-1)(x^{2}+1)(x^{8}-x^{6}+x^{4}-x^{2}+1)(x^{16}+x^{14}-x^{10}-x^{8}-x^{6}+x^{2}+1)\right)$$

Sequence: A353517
Score: 4.37834
Type of gen. func.: ogf

$$-\left(2x^{14}+x^{13}+x^{12}-3x^{10}-x^{9}+2x^{8}+x^{7}+x^{6}-3x^{4}-x^{3}+2x^{2}+x+1\right) \Big/ \left((x-1)(x+1)(x^{4}-x^{3}+x^{2}-x+1)(x^{8}+x^{7}-x^{5}-x^{4}-x^{3}+x+1)\right)$$

Sequence: A353517
Score: 4.53683
Type of gen. func.: ogf

$$-\left(2x^{14}+x^{13}+x^{12}-3x^{10}-x^{9}+2x^{8}+x^{7}+x^{6}-3x^{4}-x^{3}+2x^{2}+x+1\right)$$

/ 4 3 2

```
      /  ((x - 1) (x + 1) (x  - x  + x  - x + 1)
     /

      8    7    5    4    3
    (x  + x  - x  - x  - x  + x + 1))
```

Sequence: A353530
Score: 11.9099
Type of gen. func.: ogf

```
                                4    3    2
                           6 (x  + x  + x  + x + 1)
                           -------------------------
                                     2             2
                           (x + 1) (x  + 1) (x - 1)
```

Sequence: A353530
Score: 13.0862
Type of gen. func.: ogf

```
                                4    3    2
                           6 (x  + x  + x  + x + 1)
                           -------------------------
                                     2             2
                           (x + 1) (x  + 1) (x - 1)
```

Sequence: A353530
Score: 8.03017
Type of gen. func.: ogf

```
{a(n + 5) - a(n + 4) - a(n + 1) + a(n), a(0) = 6, a(1) = 12, a(2) = 18,

    a(3) = 24, a(4) = 36}
```

Sequence: A353531
Score: 5.95273
Type of gen. func.: ogf

```
              2             4    3    2              4    3    2
          2 (x  + x + 1) (x  + x  + x  + x + 1) (x  - x  + x  - x + 1)
         --------------------------------------------------------------
            10    9    8    7    6    5    4    3    2                 2
         (x   + x  + x  + x  + x  + x  + x  + x  + x  + x + 1) (x - 1)
```

Sequence: A353531
Score: 6.1982
Type of gen. func.: ogf

$$\frac{2 (x^2 + x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1)}{(x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A353546
Score: 3.06952
Type of gen. func.: ogf

$$\{-2 a(n + 3) n + 4 a(n + 2) n - 2 a(n + 1) n + a(n + 4) - 8 a(n + 3) + 11 a(n + 2) - 4 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 17\}$$

Sequence: A353546
Score: 9.03061
Type of gen. func.: egf]

$$1/2 I \exp(x) (Pi + \ln(2 x - 1) I)$$

Sequence: A353547
Score: 3.07434
Type of gen. func.: ogf

$$\{-3 a(n + 3) n + 6 a(n + 2) n - 3 a(n + 1) n + a(n + 4) - 11 a(n + 3) + 16 a(n + 2) - 6 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 5, a(3) = 30\}$$

Sequence: A353547
Score: 9.08936
Type of gen. func.: egf]

$$1/3 I (Pi + \ln(3 x - 1) I) \exp(x)$$

Sequence: A353548
Score: 2.90454
Type of gen. func.: ogf

$$\{-4 a(n + 3) n + 8 a(n + 2) n - 4 a(n + 1) n + a(n + 4) - 14 a(n + 3) + 21 a(n + 2) - 8 a(n + 1), a(0) = 0, a(1) = 1, a(2) = 6, a(3) = 47\}$$

Sequence: A353548
Score: 8.58734
Type of gen. func.: egf]

$$\frac{1}{4} I (Pi + \ln(4 x - 1) I) \exp(x)$$

Sequence: A353549
Score: 3.01696
Type of gen. func.: ogf

$$\{3 a(n + 3) n - 6 a(n + 2) n + 3 a(n + 1) n + a(n + 4) + 7 a(n + 3) - 14 a(n + 2) + 6 a(n + 1), a(0) = 0, a(1) = 1, a(2) = -1, a(3) = 12\}$$

Sequence: A353580
Score: 13.9287
Type of gen. func.: ogf

$$-\frac{x (3 x - 2)}{(x - 1) (x^2 + 2 x - 1)}$$

Sequence: A353580
Score: 16.0312
Type of gen. func.: ogf

$$-\frac{x (3 x - 2)}{(x - 1) (x^2 + 2 x - 1)}$$

Sequence: A353580
Score: 7.86714
Type of gen. func.: ogf

$$(19 f(x) + 5) (f(x) x^3 + f(x) x^2 - 3 f(x) x + 3 x^2 + f(x) - 2 x)$$

Sequence: A353580
Score: 8.24904
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + a(n + 1) + a(n), a(0) = 0, a(1) = 2, a(2) = 3\}$$

Sequence: A353581
Score: 13.643
Type of gen. func.: ogf

$$\frac{x^2 (3 x - 2)}{(x^2 + 1) (x^2 + 2 x - 1)}$$

Sequence: A353581
Score: 15.7023
Type of gen. func.: ogf

$$\frac{x^2 (3 x - 2)}{(x^2 + 1) (x^2 + 2 x - 1)}$$

Sequence: A353581
Score: 7.30018
Type of gen. func.: ogf

$$\{-a(n + 4) + 2 a(n + 3) + 2 a(n + 1) + a(n), a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 1\}$$

Sequence: A353581
Score: 7.49749
Type of gen. func.: ogf

$$(3 f(x) + 8) (f(x) x^4 + 2 f(x) x^3 - 3 x^3 + 2 f(x) x + 2 x^2 - f(x))$$

Sequence: A353582
Score: 11.1286
Type of gen. func.: ogf

$$- \frac{x^2 (3 x - 2)}{(x - 1) (x^2 + 1) (x^2 + 2 x - 1)}$$

Sequence: A353582
Score: 12.4189
Type of gen. func.: ogf

$$-\frac{x^{2} (3 x - 2)}{(x - 1) (x^{2} + 1) (x^{2} + 2 x - 1)}$$

Sequence: A353582
Score: 5.28954
Type of gen. func.: ogf

$\{-a(n + 5) + 3 a(n + 4) - 2 a(n + 3) + 2 a(n + 2) - a(n + 1) - a(n), a(0) = 0,$

$a(1) = 0, a(2) = 2, a(3) = 3, a(4) = 5\}$

Sequence: A353631
Score: 6.51065
Type of gen. func.: ogf

$$-\frac{x^{12} + 3 x^{9} + x^{6} + 3 x^{3} + 1}{(x - 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{8} - x^{7} + x^{5} - x^{4} + x^{3} - x + 1)}$$

Sequence: A353631
Score: 6.86739
Type of gen. func.: ogf

$$-\frac{x^{12} + 3 x^{9} + x^{6} + 3 x^{3} + 1}{(x - 1) (x^{4} + x^{3} + x^{2} + x + 1) (x^{8} - x^{7} + x^{5} - x^{4} + x^{3} - x + 1)}$$

Sequence: A353641
Score: 10.4442
Type of gen. func.: ogf

$$\frac{2 x^{18} - 4 x^{17} + 2 x^{15} - x^{3} - 2 x^{2} - 1}{}$$

$$(x - 1) (x + 1) (x^2 - x + 1)$$

Sequence: A353641
Score: 9.64076
Type of gen. func.: ogf

$$\frac{2 x^{18} - 4 x^{17} + 2 x^{15} - x^3 - 2 x^2 - 1}{(x - 1) (x + 1) (x^2 - x + 1)}$$

Sequence: A353664
Score: 12.2538
Type of gen. func.: lgdegf]

$$3 \exp(x) + 3 \exp(3 x) - 6 \exp(2 x)$$

Sequence: A353689
Score: 25.0051
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{-5 + 2 x}{x - 1}$$

Sequence: A353878
Score: 4.13562
Type of gen. func.: ogf

$$\{-a(n + 5) + 6 a(n + 4) + 33 a(n + 3) + 3 a(n + 2) - 40 a(n + 1) + 15 a(n),$$

$$a(0) = 1, a(1) = 3, a(2) = 44, a(3) = 369, a(4) = 3633\}$$

Sequence: A353878
Score: 7.30064
Type of gen. func.: ogf

$$\frac{2 x^4 - 3 x^3 + 7 x^2 + 3 x - 1}{(3 x + 1) (5 x^2 - 10 x + 1) (x^2 - x - 1)}$$

Sequence: A353878
Score: 7.94959
Type of gen. func.: ogf

$$\frac{2 x^4 - 3 x^3 + 7 x^2 + 3 x - 1}{(3 x + 1) (5 x^2 - 10 x + 1) (x^2 - x - 1)}$$

Sequence: A353882
Score: 21.6313
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A353889
Score: 4.07238
Type of gen. func.: ogf

$$- (x - 1) (128 x^{16} + 16 x^{12} + 72 x^{11} - 32 x^{10} - 16 x^9 - 32 x^8 - 26 x^7 - 32 x^6 - 20 x^5 - 31 x^4 - 17 x^3 - 12 x^2 - 6 x - 3) / ((x^4 - x^3 + x^2 - x + 1) (8 x^5 - 1))$$

Sequence: A353889
Score: 4.24031
Type of gen. func.: ogf

$$- (x - 1) (128 x^{16} + 16 x^{12} + 72 x^{11} - 32 x^{10} - 16 x^9 - 32 x^8 - 26 x^7 - 32 x^6 - 20 x^5 - 31 x^4 - 17 x^3 - 12 x^2 - 6 x - 3) / ((x^4 - x^3 + x^2 - x + 1) (8 x^5 - 1))$$

Sequence: A353893
Score: 21.6313
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A353957
Score: 14.0801
Type of gen. func.: ogf

$$-\frac{112 x - 113}{(4 x - 1) (x - 1)}$$

Sequence: A353957
Score: 16.5833
Type of gen. func.: ogf

$$-\frac{112 x - 113}{(4 x - 1) (x - 1)}$$

Sequence: A353957
Score: 7.77341
Type of gen. func.: ogf

$$(1361 f(x) + 51416) (4 f(x) x^2 - 5 f(x) x + f(x) + 112 x - 113)$$

Sequence: A353957
Score: 9.56728
Type of gen. func.: ogf

$$\{-a(n + 2) + 5 a(n + 1) - 4 a(n), a(0) = 113, a(1) = 453\}$$

Sequence: A353964
Score: 18.8897
Type of gen. func.: ogf

$$-\frac{1}{2 x^3 + 5 x^2 + x - 1}$$

Sequence: A353964
Score: 23.469
Type of gen. func.: ogf

$$-\frac{1}{2 x^{3} + 5 x^{2} + x - 1}$$

Sequence: A353964
Score: 7.4469
Type of gen. func.: ogf

$$(1901 f(x) + 284) (2 f(x) x^{3} + 5 f(x) x^{2} + f(x) x - f(x) + 1)$$

Sequence: A353964
Score: 7.4469
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 5 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 1, a(2) = 6\}$$

Sequence: A353965
Score: 11.8356
Type of gen. func.: ogf

$$-\frac{(x - 1)^{2}}{(1 + 2 x) (x^{3} - x^{2} + 5 x - 1)}$$

Sequence: A353965
Score: 13.4967
Type of gen. func.: ogf

$$-\frac{(x - 1)^{2}}{(1 + 2 x) (x^{3} - x^{2} + 5 x - 1)}$$

Sequence: A353965
Score: 5.53461
Type of gen. func.: ogf

$-(8087 f(x) + 1842)$

$(2 f(x) x^4 - f(x) x^3 + 9 f(x) x^2 + 3 f(x) x + x^2 - f(x) - 2 x + 1)$

Sequence: A353965
Score: 5.6567
Type of gen. func.: ogf

$\{-a(n + 4) + 3 a(n + 3) + 9 a(n + 2) - a(n + 1) + 2 a(n), a(0) = 1, a(1) = 1, a(2) = 13, a(3) = 47\}$

Sequence: A353974
Score: 6.16787
Type of gen. func.: ogf

$$\frac{x (9 x^8 + x^7 + 4 x^6 + 9 x^5 + 7 x^4 + 7 x^3 + 9 x^2 + 4 x + 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A353974
Score: 6.55037
Type of gen. func.: ogf

$$\frac{x (9 x^8 + x^7 + 4 x^6 + 9 x^5 + 7 x^4 + 7 x^3 + 9 x^2 + 4 x + 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A354008
Score: 10.4673
Type of gen. func.: ogf

$$- \frac{x^6 + x^5 - 2 x^4 - 4 x^3 + 4 x^2 + 3 x + 1}{(x - 1)^3 (x + 1)^3}$$

Sequence: A354008
Score: 11.5011

Type of gen. func.: ogf

$$-\frac{x^6 + x^5 - 2 x^4 - 4 x^3 + 4 x^2 + 3 x + 1}{(x - 1)^3 (x + 1)^3}$$

Sequence: A354008
Score: 5.75055
Type of gen. func.: ogf

$\{-a(n + 7) + 3 a(n + 5) - 3 a(n + 3) + a(n + 1), a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 5, a(4) = 16, a(5) = 7, a(6) = 29\}$

Sequence: A354011
Score: 3.95164
Type of gen. func.: ogf

$\{-a(n + 6) + 2 a(n + 5) + 9 a(n + 4) - 8 a(n + 3) + 3 a(n + 2) + 6 a(n + 1) - 3 a(n), a(0) = 1, a(1) = 0, a(2) = 7, a(3) = 8, a(4) = 81, a(5) = 184\}$

Sequence: A354011
Score: 7.66853
Type of gen. func.: ogf

$$-\frac{x^4 - 2 x^3 + 2 x^2 + 2 x - 1}{3 x^6 - 6 x^5 - 3 x^4 + 8 x^3 - 9 x^2 - 2 x + 1}$$

Sequence: A354011
Score: 8.32819
Type of gen. func.: ogf

$$-\frac{x^4 - 2 x^3 + 2 x^2 + 2 x - 1}{3 x^6 - 6 x^5 - 3 x^4 + 8 x^3 - 9 x^2 - 2 x + 1}$$

Sequence: A354012
Score: 4.19221

Type of gen. func.: ogf

$$-\left(2 x^{8} - 2 x^{7} - 4 x^{6} + 34 x^{5} - 32 x^{4} - 37 x^{3} + 16 x^{2} + 4 x - 1\right) \Big/ \left(32 x^{10} - 70 x^{9} + 36 x^{8} + 57 x^{7} - 78 x^{6} - 194 x^{5} + 142 x^{4} + 69 x^{3} - 28 x^{2} - 5 x + 1\right)$$

Sequence: A354012
Score: 4.38607
Type of gen. func.: ogf

$$-\left(2 x^{8} - 2 x^{7} - 4 x^{6} + 34 x^{5} - 32 x^{4} - 37 x^{3} + 16 x^{2} + 4 x - 1\right) \Big/ \left(32 x^{10} - 70 x^{9} + 36 x^{8} + 57 x^{7} - 78 x^{6} - 194 x^{5} + 142 x^{4} + 69 x^{3} - 28 x^{2} - 5 x + 1\right)$$

Sequence: A354019
Score: 16.1944
Type of gen. func.: lgdogf

$$\frac{6}{(324 x^{2} + 1)^{1/2}}$$

Sequence: A354019
Score: 3.29084
Type of gen. func.: ogf

$$\{-a(n + 3) n^{2} - 324 a(n + 1) n^{2} - 5 a(n + 3) n - 648 a(n + 1) n - 6 a(n + 3) - 288 a(n + 1), a(0) = 1, a(1) = 6, a(2) = 18\}$$

Sequence: A354044
Score: 13.1592
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x - 2)}{(x^{2} + x - 1)^{2}}$$

Sequence: A354044
Score: 15.1454
Type of gen. func.: ogf

$$-\frac{x(x+1)(x-2)}{(x^2+x-1)^2}$$

Sequence: A354044
Score: 5.69297
Type of gen. func.: ogf

$$-(734 f(x) + 517)$$

$$(f(x) x^4 + 2 f(x) x^3 - f(x) x^2 + x^3 - 2 f(x) x - x^2 + f(x) - 2 x)$$

Sequence: A354044
Score: 5.99036
Type of gen. func.: ogf

$\{-a(n + 4) + 2 a(n + 3) + a(n + 2) - 2 a(n + 1) - a(n), a(0) = 0, a(1) = 2,$

$a(2) = 5, a(3) = 11\}$

Sequence: A354074
Score: 13.2695
Type of gen. func.: egf]

$$-\frac{x^3 - 3x^2 + 3x + 1}{(x-1)^3}$$

Sequence: A354074
Score: 15.6285
Type of gen. func.: egf]

$$-\frac{x^3 - 3x^2 + 3x + 1}{(x-1)^3}$$

Sequence: A354074
Score: 3.95104
Type of gen. func.: ogf

$$\{-3\,a(n)\,n^2 - a(n+1)\,n^2 - 9\,a(n)\,n + a(n+2)\,n - 3\,a(n+1)\,n + 2\,a(n+2) - 8\,a(n+1),\ a(0) = 1,\ a(1) = 6\}$$

Sequence: A354074
Score: 7.25036
Type of gen. func.: egf]

$$-f(x)\,x^3 + 3\,f(x)\,x^2 - x^3 - 3\,f(x)\,x + 3\,x^2 + f(x) - 3\,x - 1$$

Sequence: A354080
Score: 11.6626
Type of gen. func.: ogf

$$-\frac{3\,x + 1}{x^3 + x^2 + x - 1}$$

Sequence: A354080
Score: 13.7359
Type of gen. func.: ogf

$$-\frac{3\,x + 1}{x^3 + x^2 + x - 1}$$

Sequence: A354080
Score: 5.56863
Type of gen. func.: ogf

$$-(196\,f(x) + 899)\,(f(x)\,x^3 + f(x)\,x^2 + f(x)\,x - f(x) + 3\,x + 1)$$

Sequence: A354080
Score: 5.94344
Type of gen. func.: ogf

{-a(n + 3) + a(n + 2) + a(n + 1) + a(n), a(0) = 1, a(1) = 4, a(2) = 5}

Sequence: A354113
Score: 8.77576
Type of gen. func.: ogf

$$-\frac{10 x^{21} - 10 x^{20} + 80 x^{11} - 80 x^{10} + x^{3} - 2 x^{2} + 10 x - 10}{(x - 1)^{2}}$$

Sequence: A354113
Score: 9.58273
Type of gen. func.: ogf

$$-\frac{10 x^{21} - 10 x^{20} + 80 x^{11} - 80 x^{10} + x^{3} - 2 x^{2} + 10 x - 10}{(x - 1)^{2}}$$

Sequence: A354114
Score: 8.96449
Type of gen. func.: ogf

$$-\frac{x^{13} + 8 x^{12} + 71 x^{11} - 80 x^{10} + x^{3} - 2 x^{2} + 10 x - 10}{(x - 1)^{2}}$$

Sequence: A354114
Score: 9.80821
Type of gen. func.: ogf

$$-\frac{x^{13} + 8 x^{12} + 71 x^{11} - 80 x^{10} + x^{3} - 2 x^{2} + 10 x - 10}{(x - 1)^{2}}$$

Sequence: A354131
Score: 17.9001
Type of gen. func.: ogf

$$\frac{x - 1}{6 x^2 + 3 x - 1}$$

Sequence: A354131
Score: 22.2395
Type of gen. func.: ogf

$$\frac{x - 1}{6 x^2 + 3 x - 1}$$

Sequence: A354131
Score: 8.43567
Type of gen. func.: ogf

$$(21 f(x) - 19) (6 f(x) x^2 + 3 f(x) x - f(x) - x + 1)$$

Sequence: A354131
Score: 9.91762
Type of gen. func.: ogf

$$\{-a(n + 2) + 3 a(n + 1) + 6 a(n), a(0) = 1, a(1) = 2\}$$

Sequence: A354132
Score: 3.78552
Type of gen. func.: ogf

$$\{-a(n + 6) + 6 a(n + 5) + 38 a(n + 4) - 68 a(n + 2) + 24 a(n + 1) - 3 a(n),$$

$$a(0) = 1, a(1) = 3, a(2) = 48, a(3) = 405, a(4) = 4185, a(5) = 40320\}$$

Sequence: A354132
Score: 7.45274
Type of gen. func.: ogf

$$x^4 - 3 x^3 + 8 x^2 + 3 x - 1$$

$$-\ \overline{3 x^{6} - 24 x^{5} + 68 x^{4} - 38 x^{2} - 6 x + 1}$$

Sequence: A354132
Score: 8.13026
Type of gen. func.: ogf

$$-\frac{x^{4} - 3 x^{3} + 8 x^{2} + 3 x - 1}{3 x^{6} - 24 x^{5} + 68 x^{4} - 38 x^{2} - 6 x + 1}$$

Sequence: A354136
Score: 13.1568
Type of gen. func.: lgdegf]

$$1/2 \frac{\ln(x + 1)^{2}}{x + 1}$$

Sequence: A354228
Score: 3.7711
Type of gen. func.: ogf

$$-(-14348608 + 44215677 f(x)) (112 f(x) x^{4} - 88 f(x) x^{3} - 56 x^{4} - 22 f(x) x^{2} + 44 x^{3} + 13 f(x) x + 2 x^{2} - f(x) - 7 x + 1)$$

Sequence: A354228
Score: 3.88537
Type of gen. func.: ogf

{-a(n + 5) + 13 a(n + 4) - 22 a(n + 3) - 88 a(n + 2) + 112 a(n + 1), a(0) = 1,

a(1) = 6, a(2) = 58, a(3) = 578, a(4) = 5766}

Sequence: A354228
Score: 7.72394
Type of gen. func.: ogf

$$^{2} \qquad\qquad\qquad ^{2}$$

$$\frac{(14 x + 3 x - 1) (2 x - 1)}{112 x^4 - 88 x^3 - 22 x^2 + 13 x - 1}$$

Sequence: A354228
Score: 8.54782
Type of gen. func.: ogf

$$\frac{(14 x^2 + 3 x - 1) (2 x - 1)^2}{112 x^4 - 88 x^3 - 22 x^2 + 13 x - 1}$$

Sequence: A354231
Score: 14.4029
Type of gen. func.: lgdegf]

$$\frac{3 \ln(x + 1)^2}{x + 1}$$

Sequence: A354269
Score: 13.0378
Type of gen. func.: ogf

$$(2 f(x) - 3) (3 f(x) x - f(x) + 1)^2$$

Sequence: A354280
Score: 16.565
Type of gen. func.: ogf

$$\frac{x^2 (x^3 - x - 2)}{(x - 1)^3 (x + 1)^3}$$

Sequence: A354280
Score: 19.2695
Type of gen. func.: ogf

2   3

$$\frac{x\ \ (x\ \ - x - 2)}{(x - 1)^{3}\ (x + 1)^{3}}$$

Sequence: A354280
Score: 6.84207
Type of gen. func.: ogf

{a(n + 6) - 3 a(n + 4) + 3 a(n + 2) - a(n), a(0) = 0, a(1) = 0, a(2) = 2,

a(3) = 1, a(4) = 6, a(5) = 2}

Sequence: A354294
Score: 12.9086
Type of gen. func.: ogf

$$\frac{2 x^{3} - x^{2} - x + 1}{(2 x - 1) (2 x^{2} - 1)}$$

Sequence: A354294
Score: 14.7204
Type of gen. func.: ogf

$$\frac{2 x^{3} - x^{2} - x + 1}{(2 x - 1) (2 x^{2} - 1)}$$

Sequence: A354294
Score: 6.76663
Type of gen. func.: ogf

{a(n + 4) - 2 a(n + 3) - 2 a(n + 2) + 4 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 3,

a(3) = 6}

Sequence: A354294
Score: 7.05094
Type of gen. func.: ogf

3 2 3 2

```
   (1 + 2 f(x)) (4 f(x) x  - 2 f(x) x  - 2 x  - 2 f(x) x + x  + f(x) + x - 1)



-------------------------------------------------------------------------------

Sequence:  A354309
Score: 5.28179
Type of gen. func.: lgdegf]


        1/2 I (2 I ln(2 x - 1) x - ln(2 x - 1) I + 2 I x + 2 Pi x - Pi)
        ---------------------------------------------------------------
                                    2 x - 1



-------------------------------------------------------------------------------

Sequence:  A354310
Score: 5.21984
Type of gen. func.: lgdegf]


        1/3 I (3 I ln(3 x - 1) x - ln(3 x - 1) I + 3 I x + 3 Pi x - Pi)
        ---------------------------------------------------------------
                                    3 x - 1



-------------------------------------------------------------------------------

Sequence:  A354311
Score: 11.4152
Type of gen. func.: lgdegf]


                      -1/2 exp(2 x) (exp(-2 x) - 1 - 2 x)



-------------------------------------------------------------------------------

Sequence:  A354312
Score: 11.1084
Type of gen. func.: lgdegf]


                      -1/3 exp(3 x) (exp(-3 x) - 3 x - 1)



-------------------------------------------------------------------------------

Sequence:  A354317
Score: 13.8095
Type of gen. func.: lgdegf]


                                      ln(x + 1)
                                    - ---------
                                        x + 1



-------------------------------------------------------------------------------

Sequence:  A354319
Score: 5.65774
Type of gen. func.: lgdegf]
```

$$\frac{1}{4}\,\frac{2 I \pi x - 2 \ln(2 x - 1) x - \pi I + \ln(2 x - 1) - 2 x}{2 x - 1}$$

Sequence: A354320
Score: 4.81817
Type of gen. func.: lgdegf]

$$\frac{\frac{1}{8} I (4 I \ln(4 x - 1) x - \ln(4 x - 1) I + 4 I x + 4 \pi x - \pi)}{4 x - 1}$$

Sequence: A354323
Score: 11.5701
Type of gen. func.: lgdegf]

$$-\frac{1}{4} \exp(2 x) (\exp(-2 x) - 1 - 2 x)$$

Sequence: A354324
Score: 10.9635
Type of gen. func.: lgdegf]

$$-\frac{1}{8} \exp(4 x) (\exp(-4 x) - 4 x - 1)$$

Sequence: A354336
Score: 11.5166
Type of gen. func.: ogf

$$\frac{19 x^2 - 3 x - 1}{(x - 1) (x^2 - 7 x + 1)}$$

Sequence: A354336
Score: 13.2228
Type of gen. func.: ogf

$$\frac{19 x^2 - 3 x - 1}{(x - 1) (x^2 - 7 x + 1)}$$

Sequence: A354336
Score: 6.10283
Type of gen. func.: ogf

$$(930 f(x) + 2129) (f(x) x^3 - 8 f(x) x^2 + 8 f(x) x - 19 x^2 - f(x) + 3 x + 1)$$

Sequence: A354336
Score: 6.73614
Type of gen. func.: ogf

$$\{a(n + 3) - 8 a(n + 2) + 8 a(n + 1) - a(n), a(0) = 1, a(1) = 11, a(2) = 61\}$$

Sequence: A354337
Score: 11.7852
Type of gen. func.: ogf

$$\frac{x^2 + 3 x - 19}{(x - 1) (x^2 - 7 x + 1)}$$

Sequence: A354337
Score: 13.5312
Type of gen. func.: ogf

$$\frac{x^2 + 3 x - 19}{(x - 1) (x^2 - 7 x + 1)}$$

Sequence: A354337
Score: 5.84548
Type of gen. func.: ogf

$$-(311010 f(x) + 13763) (f(x) x^3 - 8 f(x) x^2 + 8 f(x) x - x^2 - f(x) - 3 x + 19)$$

Sequence: A354337
Score: 6.64259
Type of gen. func.: ogf

$\{-a(n + 3) + 8 a(n + 2) - 8 a(n + 1) + a(n), a(0) = 19, a(1) = 149, a(2) = 1039$

$\}$

Sequence: A354343
Score: 15.3516
Type of gen. func.: ogf

$$-\frac{x^4 - 3 x^3 + 4 x^2 + 3 x + 1}{(x - 1)^3}$$

Sequence: A354343
Score: 17.6688
Type of gen. func.: ogf

$$-\frac{x^4 - 3 x^3 + 4 x^2 + 3 x + 1}{(x - 1)^3}$$

Sequence: A354343
Score: 6.73701
Type of gen. func.: ogf

$\{-a(n + 5) + 3 a(n + 4) - 3 a(n + 3) + a(n + 2), a(0) = 1, a(1) = 6, a(2) = 19,$

$a(3) = 37, a(4) = 61\}$

Sequence: A354343
Score: 6.93663
Type of gen. func.: ogf

$-(50 f(x) + 2049)$

$(f(x) x^3 + x^4 - 3 f(x) x^2 - 3 x^3 + 3 f(x) x + 4 x^2 - f(x) + 3 x + 1)$

Sequence: A354354
Score: 7.8651
Type of gen. func.: ogf

{a(n + 6) - a(n), a(0) = 0, a(1) = 1, a(2) = 0, a(3) = 0, a(4) = 0, a(5) = 1}

Sequence: A354354
Score: 8.10835
Type of gen. func.: ogf

$$-\frac{x\,(x^4+1)}{(x-1)\,(x+1)\,(x^2+x+1)\,(x^2-x+1)}$$

Sequence: A354354
Score: 8.83719
Type of gen. func.: ogf

$$-\frac{x\,(x^4+1)}{(x-1)\,(x+1)\,(x^2+x+1)\,(x^2-x+1)}$$

Sequence: A354383
Score: 10.3854
Type of gen. func.: ogf

{a(n + 2) - a(n + 1) - a(n), a(0) = 11, a(1) = 26}

Sequence: A354383
Score: 16.7933
Type of gen. func.: ogf

$$-\frac{15\,x+11}{x^2+x-1}$$

Sequence: A354383
Score: 20.2381
Type of gen. func.: ogf

$$-\frac{15\,x+11}{x^2+x-1}$$

Sequence: A354383
Score: 8.8684
Type of gen. func.: ogf

$$(12 f(x) + 37) (f(x) x^2 + f(x) x - f(x) + 15 x + 11)$$

Sequence: A354395
Score: 16.8437
Type of gen. func.: lgdegf]

$$-\exp(2 x) + \exp(x)$$

Sequence: A354396
Score: 10.6763
Type of gen. func.: lgdegf]

$$-1/2 \exp(3 x) + \exp(2 x) - 1/2 \exp(x)$$

Sequence: A354419
Score: 2.8337
Type of gen. func.: ogf

$$\{4 a(n + 3) n - 8 a(n + 2) n + 4 a(n + 1) n + a(n + 4) + 10 a(n + 3)$$
$$- 19 a(n + 2) + 8 a(n + 1), a(0) = 0, a(1) = 1, a(2) = -2, a(3) = 23\}$$

Sequence: A354465
Score: 2.13202
Type of gen. func.: ogf

$$(f(x) - 1)^2$$

Sequence: A354529
Score: 11.5678
Type of gen. func.: ogf

$$x^5 - 2 x^4 - x^3 - x^2 + 6 x + 3$$

$$- \frac{}{(x + 1) (x - 1)^{3}}$$

Sequence: A354529
Score: 12.8355
Type of gen. func.: ogf

$$- \frac{x^{5} - 2 x^{4} - x^{3} - x^{2} + 6 x + 3}{(x + 1) (x - 1)^{3}}$$

Sequence: A354529
Score: 6.12411
Type of gen. func.: ogf

$$\{a(n + 6) - 2 a(n + 5) + 2 a(n + 3) - a(n + 2), a(0) = 3, a(1) = 12, a(2) = 23, a(3) = 39, a(4) = 55, a(5) = 77\}$$

Sequence: A354538
Score: 3.57039
Type of gen. func.: ogf

$$-(159 f(x) - 3227) (3 f(x) x^{2} + 6 x^{3} - 4 f(x) x + x^{2} + f(x) + x - 1)$$

Sequence: A354538
Score: 3.6705
Type of gen. func.: ogf

$$\{a(n + 4) - 4 a(n + 3) + 3 a(n + 2), a(0) = 1, a(1) = 3, a(2) = 8, a(3) = 17\}$$

Sequence: A354538
Score: 6.04221
Type of gen. func.: ogf

$$- \frac{6 x^{3} + x^{2} + x - 1}{(3 x - 1) (x - 1)}$$

Sequence: A354538
Score: 6.89023
Type of gen. func.: ogf

$$-\frac{6 x^3 + x^2 + x - 1}{(3 x - 1) (x - 1)}$$

Sequence: A354540
Score: 4.47562
Type of gen. func.: ogf

$$f(x)^2 x^3 + 2 f(x)^2 x^2 + f(x) x^3 - f(x)^2 x + 4 f(x) x^2 - x^3 + f(x) x - x^2 - 2 f(x) + 2 x + 2$$

Sequence: A354541
Score: 11.213
Type of gen. func.: ogf

$$-\frac{2 x^4 - 2 x^3 + 2 x^2 + x + 1}{6 x^3 - 1}$$

Sequence: A354541
Score: 12.7868
Type of gen. func.: ogf

$$-\frac{2 x^4 - 2 x^3 + 2 x^2 + x + 1}{6 x^3 - 1}$$

Sequence: A354541
Score: 7.28846
Type of gen. func.: ogf

$$\{-a(n + 5) + 6 a(n + 2), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 4, a(4) = 8\}$$

Sequence: A354541
Score: 8.0093
Type of gen. func.: ogf

$$(f(x) - 1) (6 f(x) x^3 + 2 x^4 - 2 x^3 + 2 x^2 - f(x) + x + 1)$$

Sequence: A354545
Score: 8.53057
Type of gen. func.: lgdegf]

$$\cos(x) x + \sin(x) - \sin(x) x + \cos(x)$$

Sequence: A354546
Score: 9.24145
Type of gen. func.: lgdegf]

$$-\cos(x) x - \sin(x) - \sin(x) x + \cos(x)$$

Sequence: A354550
Score: 13.8123
Type of gen. func.: lgdegf]

$$\exp\left(\frac{x^2}{2}\right) (x^2 + 1)$$

Sequence: A354551
Score: 11.7489
Type of gen. func.: lgdegf]

$$1/2 \exp\left(\frac{x^3}{6}\right) (x^3 + 2)$$

Sequence: A354552
Score: 11.6437
Type of gen. func.: lgdegf]

$$1/6 \exp\left(\frac{x^4}{24}\right) (x^4 + 6)$$

Sequence: A354553
Score: 14.6122
Type of gen. func.: lgdegf]

$$\exp(x^3)\,(3\,x^3 + 1)$$

Sequence: A354554
Score: 9.36404
Type of gen. func.: lgdegf]

$$\exp(x^4)\,(2\,x^2 - 2\,x + 1)\,(2\,x^2 + 2\,x + 1)$$

Sequence: A354588
Score: 15.6335
Type of gen. func.: revogf

$$-\frac{x\,(2\,x^2 + 2\,x - 1)}{(x + 1)^2}$$

Sequence: A354588
Score: 8.55731
Type of gen. func.: ogf

$$2\,f(x)^3\,x^2 + f(x)^2\,x^2 + 2\,f(x)^2\,x + 2\,f(x)\,x - f(x) + 1$$

Sequence: A354594
Score: 10.4269
Type of gen. func.: ogf

$$-\frac{x\,(3\,x^3 + 3\,x^2 + 5\,x + 1)}{(x + 1)^2\,(x - 1)^3}$$

Sequence: A354594
Score: 11.7944
Type of gen. func.: ogf

$$-\frac{x (3 x^3 + 3 x^2 + 5 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A354594
Score: 4.36036
Type of gen. func.: ogf

{a(n + 5) - a(n + 4) - 2 a(n + 3) + 2 a(n + 2) + a(n + 1) - a(n), a(0) = 0,

a(1) = 1, a(2) = 6, a(3) = 11, a(4) = 24}

Sequence: A354595
Score: 10.6476
Type of gen. func.: ogf

$$-\frac{x (5 x^3 + 3 x^2 + 7 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A354595
Score: 12.044
Type of gen. func.: ogf

$$-\frac{x (5 x^3 + 3 x^2 + 7 x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A354595
Score: 4.45264
Type of gen. func.: ogf

{a(n + 5) - a(n + 4) - 2 a(n + 3) + 2 a(n + 2) + a(n + 1) - a(n), a(0) = 0,

a(1) = 1, a(2) = 8, a(3) = 13, a(4) = 32}

Sequence: A354608
Score: 10.0314
Type of gen. func.: ogf

$$-\frac{x\left(x^{5}+89x^{4}+338x^{3}+254x^{2}+37x+1\right)}{(x-1)^{7}}$$

Sequence: A354608
Score: 11.1617
Type of gen. func.: ogf

$$-\frac{x\left(x^{5}+89x^{4}+338x^{3}+254x^{2}+37x+1\right)}{(x-1)^{7}}$$

Sequence: A354620
Score: 7.4713
Type of gen. func.: ogf

$$-\left(x^{12}+8x^{11}+8x^{10}+4x^{9}+4x^{8}+7x^{7}+9x^{6}+8x^{5}+6x^{4}+4x^{3}+3x^{2}+2x+1\right)\Big/\left(4x^{7}-1\right)$$

Sequence: A354620
Score: 7.95332
Type of gen. func.: ogf

$$-\left(x^{12}+8x^{11}+8x^{10}+4x^{9}+4x^{8}+7x^{7}+9x^{6}+8x^{5}+6x^{4}+4x^{3}+3x^{2}+2x+1\right)\Big/\left(4x^{7}-1\right)$$

Sequence: A354651
Score: 4.11666
Type of gen. func.: revogf

$$-\ x\left(x^{15}+x^{12}-2x^{11}-x^{10}-3x^{9}-x^{7}+x^{6}+x^{4}-x^{2}-x-1\right)$$

14 13 12 11 10 9 8 3 2

$$x - x + 3 x + 2 x + 4 x + 2 x + x + 2 x + 2 x + 2 x + 1$$

Sequence: A354660
Score: 5.42228
Type of gen. func.: ogf

$$27 f(x)^3 x - 4 f(x)^3 - 27 f(x)^2 x - 15 f(x) x^2 - x^3 + 4 f(x)^2 + 21 f(x) x + 3 x^2 - 9 x$$

Sequence: A354673
Score: 6.16787
Type of gen. func.: ogf

$$-\frac{x (x^8 - x^7 + x^6 - x^5 + 2 x^4 + x^2 + 1)}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^3}$$

Sequence: A354673
Score: 6.55037
Type of gen. func.: ogf

$$-\frac{x (x^8 - x^7 + x^6 - x^5 + 2 x^4 + x^2 + 1)}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^3}$$

Sequence: A354690
Score: 6.2638
Type of gen. func.: lgdegf]

$$\frac{2 (-10 x^2 + 3 (-(2 x - 1) (x + 1)^2)^{1/2} - 2 x - 10)}{(4 x^2 + 2 x + 7) (2 x - 1)}$$

Sequence: A354733
Score: 11.2039
Type of gen. func.: revogf

$$-x^2 - 1/2 + \frac{(4 x^4 + 4 x^2 + 4 x + 1)^{1/2}}{2}$$

Sequence: A354733
Score: 16.9304
Type of gen. func.: ogf

$$x + 1 - f(x) + 2 f(x)^2 x^2$$

Sequence: A354734
Score: 11.2243
Type of gen. func.: revogf

$$-\frac{3 x^2}{2} - 1/2 + \frac{(9 x^4 + 6 x^2 + 4 x + 1)^{1/2}}{2}$$

Sequence: A354734
Score: 17.9589
Type of gen. func.: ogf

$$-x - 1 + f(x) - 3 f(x)^2 x^2$$

Sequence: A354735
Score: 11.8317
Type of gen. func.: revogf

$$-2 x^2 - 1/2 + \frac{(16 x^4 + 8 x^2 + 4 x + 1)^{1/2}}{2}$$

Sequence: A354735
Score: 18.142
Type of gen. func.: ogf

$$x + 1 - f(x) + 4 f(x)^2 x^2$$

Sequence: A354736
Score: 10.8674
Type of gen. func.: revogf

$$-\frac{5\,x^{2}}{2} - 1/2 + \frac{(25\,x^{4} + 10\,x^{2} + 4\,x + 1)^{1/2}}{2}$$

Sequence: A354736
Score: 17.8708
Type of gen. func.: ogf

$$x + 1 - f(x) + 5\,f(x)^{2}\,x^{2}$$

Sequence: A354775
Score: 6.40372
Type of gen. func.: ogf

$$(36\,x^{10} + 12\,x^{9} - 6\,x^{8} - 18\,x^{7} - 18\,x^{6} - 6\,x^{5} - 20\,x^{4} + 4\,x^{3} + 6\,x^{2} + 4\,x + 5) \Big/ ((x - 1)\,(2\,x^{2} - 1))$$

Sequence: A354775
Score: 6.83422
Type of gen. func.: ogf

$$(36\,x^{10} + 12\,x^{9} - 6\,x^{8} - 18\,x^{7} - 18\,x^{6} - 6\,x^{5} - 20\,x^{4} + 4\,x^{3} + 6\,x^{2} + 4\,x + 5) \Big/ ((x - 1)\,(2\,x^{2} - 1))$$

Sequence: A354779
Score: 13.508
Type of gen. func.: ogf

$$\frac{x\,(x^{7} - x^{6} - x^{3} + x^{2} + 1)}{(x^{2} + 1)\,(x - 1)^{2}}$$

Sequence: A354779
Score: 14.9883
Type of gen. func.: ogf

$$\frac{x (x^7 - x^6 - x^3 + x^2 + 1)}{(x^2 + 1) (x - 1)^2}$$

Sequence: A354784
Score: 16.5638
Type of gen. func.: ogf

$$- \frac{2 x^2}{x^3 + x^2 + x - 1}$$

Sequence: A354784
Score: 20.1452
Type of gen. func.: ogf

$$- \frac{2 x^2}{x^3 + x^2 + x - 1}$$

Sequence: A354784
Score: 7.30757
Type of gen. func.: ogf

{-a(n + 3) + a(n + 2) + a(n + 1) + a(n), a(0) = 0, a(1) = 0, a(2) = 2}

Sequence: A354784
Score: 9.20212
Type of gen. func.: ogf

$$-f(x) x^3 - f(x) x^2 - f(x) x - 2 x^2 + f(x)$$

Sequence: A354785
Score: 13.7754
Type of gen. func.: ogf

$$(17 f(x) - 19) (2 f(x) x^2 + 3 x^2 - f(x) + 6 x + 3)$$

Sequence: A354785
Score: 13.9567
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 1), a(0) = 3, a(1) = 6, a(2) = 9\}$$

Sequence: A354785
Score: 25.871
Type of gen. func.: ogf

$$-\frac{3 (x + 1)^2}{2 x^2 - 1}$$

Sequence: A354785
Score: 32.1427
Type of gen. func.: ogf

$$-\frac{3 (x + 1)^2}{2 x^2 - 1}$$

Sequence: A354788
Score: 10.353
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 2 a(n + 1) + 2 a(n), a(0) = 0, a(1) = 1, a(2) = 3\}$$

Sequence: A354788
Score: 20.12
Type of gen. func.: ogf

$$x (1 + 2 x)$$

$$\overline{(x - 1) (2 x^2 - 1)}$$

Sequence: A354788
Score: 23.6969
Type of gen. func.: ogf

$$\frac{x (1 + 2 x)}{(x - 1) (2 x^2 - 1)}$$

Sequence: A354788
Score: 9.96597
Type of gen. func.: ogf

$$(3 f(x) + 1) (2 f(x) x^3 - 2 f(x) x^2 - f(x) x - 2 x^2 + f(x) - x)$$

Sequence: A354789
Score: 10.1937
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - 2 a(n + 1) + 2 a(n), a(0) = 2, a(1) = 5, a(2) = 11\}$$

Sequence: A354789
Score: 18.7779
Type of gen. func.: ogf

$$\frac{2 x^2 + 3 x + 2}{(x - 1) (2 x^2 - 1)}$$

Sequence: A354789
Score: 21.8437
Type of gen. func.: ogf

$$\frac{2 x^2 + 3 x + 2}{(x - 1) (2 x^2 - 1)}$$

Sequence: A354789
Score: 9.55662
Type of gen. func.: ogf

$$(f(x) - 14) (2 f(x) x^3 - 2 f(x) x^2 - f(x) x - 2 x^2 + f(x) - 3 x - 2)$$

Sequence: A354855
Score: 7.87752
Type of gen. func.: ogf

$$\frac{x (x^5 + 4 x^4 + 18 x^3 - 3 x - 4)}{(x - 1) (x + 1) (x^2 + 4 x - 1)^2}$$

Sequence: A354855
Score: 8.61031
Type of gen. func.: ogf

$$\frac{x (x^5 + 4 x^4 + 18 x^3 - 3 x - 4)}{(x - 1) (x + 1) (x^2 + 4 x - 1)^2}$$

Sequence: A354856
Score: 7.72744
Type of gen. func.: ogf

$$- \frac{(x^3 - x + 1) (x^4 - x - 1)}{(x^2 + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A354856
Score: 8.45473
Type of gen. func.: ogf

$$- \frac{(x^3 - x + 1) (x^4 - x - 1)}{(x^2 + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A354902
Score: 15.7357
Type of gen. func.: ogf

$$-\frac{4 x^4 - 2 x^3 + x^2 + 1}{(x - 1)^3}$$

Sequence: A354902
Score: 18.3047
Type of gen. func.: ogf

$$-\frac{4 x^4 - 2 x^3 + x^2 + 1}{(x - 1)^3}$$

Sequence: A354902
Score: 6.49951
Type of gen. func.: ogf

{-a(n + 5) + 3 a(n + 4) - 3 a(n + 3) + a(n + 2), a(0) = 1, a(1) = 3, a(2) = 7,

a(3) = 11, a(4) = 19}

Sequence: A354902
Score: 7.06246
Type of gen. func.: ogf

$$-(6 f(x) - 5) (f(x) x^3 + 4 x^4 - 3 f(x) x^2 - 2 x^3 + 3 f(x) x + x^2 - f(x) + 1)$$

Sequence: A354957
Score: 10.2373
Type of gen. func.: ogf

$$-\frac{x^7 - 8 x^4 - 8 x^3 - 5 x^2 - 3 x - 1}{(x - 1)^2 (x + 1)^2}$$

Sequence: A354957
Score: 11.3592
Type of gen. func.: ogf

$$-\frac{x^{7}-8x^{4}-8x^{3}-5x^{2}-3x-1}{(x-1)^{2}\,(x+1)^{2}}$$

Sequence: A354958
Score: 10.1076
Type of gen. func.: ogf

$$-\frac{6x^{5}-10x^{4}-9x^{3}-7x^{2}-3x-1}{(x-1)^{2}\,(x+1)^{2}}$$

Sequence: A354958
Score: 11.2003
Type of gen. func.: ogf

$$-\frac{6x^{5}-10x^{4}-9x^{3}-7x^{2}-3x-1}{(x-1)^{2}\,(x+1)^{2}}$$

Sequence: A354958
Score: 6.23177
Type of gen. func.: ogf

$\{-a(n+6)+2\,a(n+4)-a(n+2),\ a(0)=1,\ a(1)=3,\ a(2)=9,\ a(3)=15,$

$a(4)=27,\ a(5)=21\}$

Sequence: A354961
Score: 7.43408
Type of gen. func.: ogf

$$-\frac{(x^{2}+1)\,(x^{7}-x^{6}-3x^{5}+7x^{4}+6x^{3}+3x^{2}+2x+1)}{\quad{}^{2}\qquad{}^{3}}$$

$$(x + 1)\ (x - 1)$$

Sequence: A354961
Score: 8.00048
Type of gen. func.: ogf

$$-\frac{(x^2 + 1)(x^7 - x^6 - 3x^5 + 7x^4 + 6x^3 + 3x^2 + 2x + 1)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A354983
Score: 4.05464
Type of gen. func.: ogf

$$\frac{x^{11} (x^{54} - x^{36} + x^{18} - x^9 - 1)}{(x - 1)(x^2 + x + 1)(x^6 + x^3 + 1)(x + 1)(x^2 - x + 1)(x^6 - x^3 + 1)}$$

Sequence: A354983
Score: 4.25611
Type of gen. func.: ogf

$$\frac{x^{11} (x^{54} - x^{36} + x^{18} - x^9 - 1)}{(x - 1)(x^2 + x + 1)(x^6 + x^3 + 1)(x + 1)(x^2 - x + 1)(x^6 - x^3 + 1)}$$

Sequence: A355018
Score: 10.9208
Type of gen. func.: ogf

$$-\frac{2x^3 + x - 1}{(x - 1)(x^4 + x^2 - 1)}$$

Sequence: A355018
Score: 4.11214
Type of gen. func.: ogf

{-a(n + 5) + a(n + 4) + a(n + 3) - a(n + 2) + a(n + 1) - a(n), a(0) = 1,

a(1) = 0, a(2) = 1, a(3) = -2, a(4) = 0}

Sequence: A355018
Score: 9.65458
Type of gen. func.: ogf

$$-\frac{2x^3+x-1}{(x-1)(x^4+x^2-1)}$$

Sequence: A355019
Score: 12.4474
Type of gen. func.: ogf

$$\frac{2x^2-x+1}{(x-1)(x^4+x^2-1)}$$

Sequence: A355019
Score: 14.1944
Type of gen. func.: ogf

$$\frac{2x^2-x+1}{(x-1)(x^4+x^2-1)}$$

Sequence: A355019
Score: 4.96369
Type of gen. func.: ogf

{-a(n + 5) + a(n + 4) + a(n + 3) - a(n + 2) + a(n + 1) - a(n), a(0) = 1,

a(1) = 0, a(2) = 3, a(3) = 2, a(4) = 6}

Sequence: A355020
Score: 18.1391
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (x^2 - x - 1)}$$

Sequence: A355020
Score: 22.5365
Type of gen. func.: ogf

$$\frac{1}{(x - 1) (x^2 - x - 1)}$$

Sequence: A355020
Score: 8.54831
Type of gen. func.: ogf

$$-(33 f(x) + 31) (f(x) x^3 - 2 f(x) x^2 + f(x) - 1)$$

Sequence: A355020
Score: 8.74945
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 1) + a(n), a(0) = 1, a(1) = 0, a(2) = 2\}$$

Sequence: A355021
Score: 12.6065
Type of gen. func.: ogf

$$- \frac{2 x - 1}{(x - 1) (x^2 - x - 1)}$$

Sequence: A355021
Score: 14.6647
Type of gen. func.: ogf

$$- \frac{2 x - 1}{(x - 1) (x^2 - x - 1)}$$

Sequence: A355021
Score: 7.98414
Type of gen. func.: ogf

$$-(10 f(x) - 7) (f(x) x^{3} - 2 f(x) x^{2} + f(x) + 2 x - 1)$$

Sequence: A355021
Score: 8.3555
Type of gen. func.: ogf

$$\{-a(n + 3) + 2 a(n + 1) - a(n), a(0) = 1, a(1) = -2, a(2) = 2\}$$

Sequence: A355023
Score: 4.92499
Type of gen. func.: ogf

$$\{-a(n + 1) n^{2} + a(n + 2) n - 18 a(n + 1) n + 2 a(n + 2) - 80 a(n + 1),$$

$$a(0) = 5040, a(1) = 317520\}$$

Sequence: A355023
Score: 8.04945
Type of gen. func.: egf]

$$-\frac{5040 (28 x^{6} + 336 x^{5} + 1050 x^{4} + 1120 x^{3} + 420 x^{2} + 48 x + 1)}{(x - 1)^{15}}$$

Sequence: A355024
Score: 8.42994
Type of gen. func.: ogf

$$-\frac{2 x^{2} - x + 1}{(x^{2} + 1) (x + 1)^{3} (x - 1)^{7}}$$

Sequence: A355024

Score: 9.46747
Type of gen. func.: ogf

$$-\frac{2 x^{2} - x + 1}{(x^{2} + 1) (x + 1)^{3} (x - 1)^{7}}$$

Sequence: A355044
Score: 4.74682
Type of gen. func.: ogf

$$1/2\, I \left(4 I x^{4} - 2 I x^{3} - 5 I x^{2} - (4 x - 1)^{1/2} x^{2} + 12 I x - 6 (4 x - 1)^{1/2} x - 3 I + 3 (4 x - 1)^{1/2}\right) \Big/ x^{5}$$

Sequence: A355067
Score: 5.29482
Type of gen. func.: ogf

$$\frac{x (x^{2} + x + 1) (x^{6} - x^{5} - x^{4} + 2 x^{3} - 2 x^{2} + x + 1)}{(x + 1) (x^{2} + 1) (x - 1)^{2}}$$

Sequence: A355067
Score: 5.65686
Type of gen. func.: ogf

$$\frac{x (x^{2} + x + 1) (x^{6} - x^{5} - x^{4} + 2 x^{3} - 2 x^{2} + x + 1)}{(x + 1) (x^{2} + 1) (x - 1)^{2}}$$

Sequence: A355118
Score: 11.4251
Type of gen. func.: ogf

{a(n + 3) - 3 a(n), a(0) = 23, a(1) = 33, a(2) = 47}

Sequence: A355118
Score: 15.5996
Type of gen. func.: ogf

$$-\frac{47 x^2 + 33 x + 23}{3 x^3 - 1}$$

Sequence: A355118
Score: 18.4359
Type of gen. func.: ogf

$$-\frac{47 x^2 + 33 x + 23}{3 x^3 - 1}$$

Sequence: A355118
Score: 9.65693
Type of gen. func.: ogf

$$(882 f(x) - 13435) (3 f(x) x^3 + 47 x^2 - f(x) + 33 x + 23)$$

Sequence: A355141
Score: 10.4419
Type of gen. func.: ogf

$$\frac{(x + 1) (x^4 + x^2 - x + 1)}{x^6 + x^4 + 1}$$

Sequence: A355141
Score: 5.70356
Type of gen. func.: ogf

$\{a(n + 6) + a(n + 2) + a(n), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 1, a(4) = 0,$

$a(5) = 1\}$

Sequence: A355141

Score: 9.29759
Type of gen. func.: ogf

$$\frac{(x+1)\,(x^4+x^2-x+1)}{x^6+x^4+1}$$

Sequence: A355142
Score: 13.3403
Type of gen. func.: ogf

$$-\frac{33645\,x-33647}{(3\,x-1)\,(x-1)}$$

Sequence: A355142
Score: 15.5183
Type of gen. func.: ogf

$$-\frac{33645\,x-33647}{(3\,x-1)\,(x-1)}$$

Sequence: A355142
Score: 7.10651
Type of gen. func.: ogf

$$(201890\,f(x)+3396496419)\,(3\,f(x)\,x^2-4\,f(x)\,x+f(x)+33645\,x-33647)$$

Sequence: A355142
Score: 9.1614
Type of gen. func.: ogf

$$\{-a(n+2)+4\,a(n+1)-3\,a(n),\ a(0)=33647,\ a(1)=100943\}$$

Sequence: A355151
Score: 3.71714
Type of gen. func.: revogf

$$-\frac{x\,(x^{15}+x^{12}-2\,x^{11}-x^{10}-3\,x^9-x^7+x^6+x^4-x^2-x-1)}{}$$

$$2 x^{16} + x^{14} + x^{13} - x^{12} - 2 x^{10} + 2 x^{9} - x^{8} + 2 x^{7} + 2 x^{5} + 1$$

Sequence: A355162
Score: 24.3403
Type of gen. func.: lgdegf]

$$2 + 4 \exp(4 x)$$

Sequence: A355163
Score: 24.4339
Type of gen. func.: lgdegf]

$$3 + 4 \exp(4 x)$$

Sequence: A355164
Score: 26.9457
Type of gen. func.: lgdegf]

$$2 + \exp(3 x)$$

Sequence: A355165
Score: 25.6943
Type of gen. func.: lgdegf]

$$2 + \exp(4 x)$$

Sequence: A355167
Score: 26.3705
Type of gen. func.: lgdegf]

$$3 + \exp(4 x)$$

Sequence: A355171
Score: 11.9365
Type of gen. func.: egf]

$$\frac{-\ln(2 x - 1) + \ln(x - 1)}{(x - 1)^{2}}$$

Sequence: A355175
Score: 10.1682
Type of gen. func.: ogf

$$-\frac{x^9 - 9x^8 + 35x^7 - 100x^6 + 65x^5 - 286x^4 - 15x^3 - 36x^2 + 10x - 1}{(x-1)^{10}}$$

Sequence: A355175
Score: 9.4354
Type of gen. func.: ogf

$$-\frac{x^9 - 9x^8 + 35x^7 - 100x^6 + 65x^5 - 286x^4 - 15x^3 - 36x^2 + 10x - 1}{(x-1)^{10}}$$

Sequence: A355200
Score: 10.2519
Type of gen. func.: ogf

$$\frac{3x^4 - 2x^3 + 4x^2 - 2x + 3}{(x^2 + x + 1)(x^2 - x + 1)(x-1)^2}$$

Sequence: A355200
Score: 4.67907
Type of gen. func.: ogf

$$\{-a(n+6) + 2a(n+5) - 2a(n+4) + 2a(n+3) - 2a(n+2) + 2a(n+1)$$

$$- a(n), a(0) = 3, a(1) = 4, a(2) = 6, a(3) = 8, a(4) = 9, a(5) = 12\}$$

Sequence: A355200
Score: 9.40637
Type of gen. func.: ogf

$$3x^4 - 2x^3 + 4x^2 - 2x + 3$$
$$\overline{}$$

$$(x^2 + x + 1)\,(x^2 - x + 1)\,(x - 1)^2$$

Sequence: A355247
Score: 27.5476
Type of gen. func.: lgdegf]

$$2 + 2 \exp(x)$$

Sequence: A355252
Score: 26.3843
Type of gen. func.: lgdegf]

$$3 + 2 \exp(x)$$

Sequence: A355253
Score: 28.5083
Type of gen. func.: lgdegf]

$$-3 + 2 \exp(x)$$

Sequence: A355254
Score: 26.9876
Type of gen. func.: lgdegf]

$$-1 + 3 \exp(x)$$

Sequence: A355258
Score: 11.7183
Type of gen. func.: egf]

$$-(-\ln(2 x - 1) + \ln(x - 1))\,(x - 1)$$

Sequence: A355268
Score: 17.459
Type of gen. func.: lgdegf]

$$\frac{2 x^2 - 2 x - 1}{x - 1}$$

Sequence: A355268
Score: 3.32552
Type of gen. func.: ogf

$$\{-2 a(n + 1) n^2 + a(n + 3) n + 2 a(n + 2) n - 10 a(n + 1) n - a(n + 4) + 4 a(n + 3) + 6 a(n + 2) - 12 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 12\}$$

Sequence: A355288
Score: 12.9212
Type of gen. func.: ogf

$$-\frac{2 x^3 - x^2 - x - 1}{(x - 1) (x^2 + x - 1)}$$

Sequence: A355288
Score: 14.5115
Type of gen. func.: ogf

$$-\frac{2 x^3 - x^2 - x - 1}{(x - 1) (x^2 + x - 1)}$$

Sequence: A355288
Score: 8.8154
Type of gen. func.: ogf

$$-(15 f(x) + 73) (f(x) x^3 + 2 x^3 - 2 f(x) x - x^2 + f(x) - x - 1)$$

Sequence: A355288
Score: 8.8154
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) + a(n + 1), a(0) = 1, a(1) = 3, a(2) = 7, a(3) = 11\}$$

Sequence: A355291
Score: 19.3963
Type of gen. func.: lgdegf]

$$\exp(x) + 2 \exp(2 x)$$

Sequence: A355293
Score: 20.9543
Type of gen. func.: egf]

$$-\frac{6}{2 x^3 + 3 x^2 + 6 x - 6}$$

Sequence: A355293
Score: 26.0341
Type of gen. func.: egf]

$$-\frac{6}{2 x^3 + 3 x^2 + 6 x - 6}$$

Sequence: A355293
Score: 8.26082
Type of gen. func.: egf]

$$-(19 f(x) + 8) (2 f(x) x^3 + 3 f(x) x^2 + 6 f(x) x - 6 f(x) + 6)$$

Sequence: A355294
Score: 16.7025
Type of gen. func.: egf]

$$-\frac{12}{3 x^4 + 4 x^3 + 6 x^2 + 12 x - 12}$$

Sequence: A355294
Score: 19.7394
Type of gen. func.: egf]

$$-\frac{12}{3x^4 + 4x^3 + 6x^2 + 12x - 12}$$

Sequence: A355294
Score: 6.03147
Type of gen. func.: egf]

$$\{12\,a(n+4) - 12\,a(n+3) - 6\,a(n+2) - 4\,a(n+1) - 3\,a(n),\ a(0) = 1,$$
$$a(1) = 1,\ a(2) = 3/2,\ a(3) = 7/3\}$$

Sequence: A355294
Score: 6.73281
Type of gen. func.: egf]

$$-(2671 f(x) - 810)$$
$$(3 f(x) x^4 + 4 f(x) x^3 + 6 f(x) x^2 + 12 f(x) x - 12 f(x) + 12)$$

Sequence: A355324
Score: 10.5625
Type of gen. func.: ogf

$$-\frac{x^4 - x - 1}{(x - 1)(x^2 + x + 1)(x^2 + x - 1)}$$

Sequence: A355324
Score: 4.95921
Type of gen. func.: ogf

$$\{a(n+5) - a(n+4) - a(n+3) - a(n+2) + a(n+1) + a(n),\ a(0) = 1,$$
$$a(1) = 2,\ a(2) = 3,\ a(3) = 6,\ a(4) = 9\}$$

Sequence: A355324
Score: 9.56836
Type of gen. func.: ogf

$$-\frac{x^4 - x - 1}{(x - 1)(x^2 + x + 1)(x^2 + x - 1)}$$

Sequence: A355325
Score: 4.95136
Type of gen. func.: ogf

$$\{a(n + 5) - a(n + 4) - a(n + 3) - a(n + 2) + a(n + 1) + a(n), a(0) = 1, a(1) = 3, a(2) = 4, a(3) = 6, a(4) = 10\}$$

Sequence: A355325
Score: 8.78467
Type of gen. func.: ogf

$$-\frac{2 x^4 + 2 x^3 - 2 x - 1}{(x - 1)(x^2 + x + 1)(x^2 + x - 1)}$$

Sequence: A355325
Score: 9.61146
Type of gen. func.: ogf

$$-\frac{2 x^4 + 2 x^3 - 2 x - 1}{(x - 1)(x^2 + x + 1)(x^2 + x - 1)}$$

Sequence: A355327
Score: 4.19224
Type of gen. func.: ogf

$$\{a(n + 6) - 9 a(n + 4) + 7 a(n + 2) - a(n), a(0) = 1, a(1) = 1, a(2) = 5, a(3) = 10, a(4) = 39, a(5) = 83\}$$

Sequence: A355327
Score: 7.78558
Type of gen. func.: ogf

$$-\frac{(x^2+3x+1)(x-1)^2}{x^6-7x^4+9x^2-1}$$

Sequence: A355327
Score: 8.68826
Type of gen. func.: ogf

$$-\frac{(x^2+3x+1)(x-1)^2}{x^6-7x^4+9x^2-1}$$

Sequence: A355337
Score: 29.1998
Type of gen. func.: lgdegf]

$$2x+\exp(x)$$

Sequence: A355338
Score: 28.0857
Type of gen. func.: lgdegf]

$$-2x+\exp(x)$$

Sequence: A355347
Score: 5.5212
Type of gen. func.: ogf

$$27 f(x)^3 x^4 - 4 f(x)^3 x^3 - 27 f(x)^2 x^3 + 4 f(x)^2 x^2 + 9 f(x) x^2 - 27 f(x) x + 4 f(x) - x - 4$$

Sequence: A355347
Score: 6.68355
Type of gen. func.: revogf

$$-\frac{-4x^3+4x^2+((4x^2+12x+1)(2x^2-5x-4)^2)^{1/2}-27x-4}{2(3x-1)^3}$$

Sequence: A355358
Score: 3.61551
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{(x + 1) (x^{10} - x^9 + 2 x^8 - x^7 + x^6 - x^5 + x^4 - x^3 + 2 x^2 - x + 1)}{(x - 1) (x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A355359
Score: 4.21968
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{x (x + 1) (x^8 - x^7 + x^6 + x^4 + x^2 - x + 1)}{(x - 1) (x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A355372
Score: 11.451
Type of gen. func.: egf]

$$-\frac{-\ln(2 x - 1) + \ln(x - 1)}{(x - 1)^3}$$

Sequence: A355378
Score: 18.6477
Type of gen. func.: lgdegf]

$$3 \exp(3 x) - \exp(x)$$

Sequence: A355379
Score: 17.6748
Type of gen. func.: lgdegf]

$$3 \exp(3 x) + \exp(x)$$

Sequence: A355380
Score: 16.6808
Type of gen. func.: lgdegf]

$$3 \exp(3 x) + 2 \exp(2 x)$$

Sequence: A355381
Score: 16.0529
Type of gen. func.: lgdegf]

$$3 \exp(3 x) - 2 \exp(2 x)$$

Sequence: A355396
Score: 17.3871
Type of gen. func.: lgdegf]

$$\exp(3 x) - \exp(x)$$

Sequence: A355397
Score: 15.8454
Type of gen. func.: lgdegf]

$$\exp(3 x) + \exp(2 x)$$

Sequence: A355398
Score: 16.5326
Type of gen. func.: lgdegf]

$$\exp(3 x) - \exp(2 x)$$

Sequence: A355399
Score: 10.1205
Type of gen. func.: ogf

$$\frac{x (x^{10} - x^{9} - 2 x^{3} + 2 x^{2} + x + 1)}{(x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A355399

Score: 9.22094
Type of gen. func.: ogf

$$\frac{x\,(x^{10} - x^{9} - 2\,x^{3} + 2\,x^{2} + x + 1)}{(x^{2} + x + 1)\,(x - 1)^{2}}$$

Sequence: A355407
Score: 12.613
Type of gen. func.: egf]

$$\frac{-\ln(2\,x - 1) + \ln(x - 1)}{(x - 1)^{4}}$$

Sequence: A355414
Score: 12.0872
Type of gen. func.: egf]

$$-\frac{-\ln(2\,x - 1) + \ln(x - 1)}{(x - 1)^{5}}$$

Sequence: A355421
Score: 10.426
Type of gen. func.: lgdegf]

$$\exp(x) + 3\,\exp(3\,x) + 2\,\exp(2\,x)$$

Sequence: A355444
Score: 14.2423
Type of gen. func.: lgdogf

$$\frac{3\,x^{32}\,(17\,x^{18} + 11)}{x^{51} + x^{33} + 1}$$

Sequence: A355480
Score: 3.29416
Type of gen. func.: ogf

$$-x^{28} (x^4 - x^2 + 1) (x^6 - x^2 - 1) \Big/ \left((x + 1) (x^{40} + x^{38} + x^{36} + x^{34} + x^{24} + x^{22} + x^{20} + x^{18} + x^8 + x^6 + x^4 + x^2 + 1) (x - 1)^2\right)$$

Sequence: A355480
Score: 3.43
Type of gen. func.: ogf

$$-x^{28} (x^4 - x^2 + 1) (x^6 - x^2 - 1) \Big/ \left((x + 1) (x^{40} + x^{38} + x^{36} + x^{34} + x^{24} + x^{22} + x^{20} + x^{18} + x^8 + x^6 + x^4 + x^2 + 1) (x - 1)^2\right)$$

Sequence: A355492
Score: 11.0629
Type of gen. func.: ogf

$$\{-a(n + 2) + 4 a(n + 1) - 3 a(n), a(0) = 5, a(1) = 19\}$$

Sequence: A355492
Score: 16.933
Type of gen. func.: ogf

$$-\frac{x - 5}{(3 x - 1) (x - 1)}$$

Sequence: A355492
Score: 20.237
Type of gen. func.: ogf

$$-\frac{x - 5}{(3 x - 1) (x - 1)}$$

Sequence: A355492
Score: 9.42862
Type of gen. func.: ogf

$$(46 f(x) + 131) (3 f(x) x^2 - 4 f(x) x + f(x) + x - 5)$$

Sequence: A355497
Score: 10.5574
Type of gen. func.: ogf

$$f(x) (f(x) x^2 + 5 x^3 - 2 f(x) x - 2 x^2 + f(x) - 4 x)$$

Sequence: A355497
Score: 19.1757
Type of gen. func.: ogf

$$- \frac{x (5 x^2 - 2 x - 4)}{(x - 1)^2}$$

Sequence: A355497
Score: 22.9173
Type of gen. func.: ogf

$$- \frac{x (5 x^2 - 2 x - 4)}{(x - 1)^2}$$

Sequence: A355497
Score: 8.78141
Type of gen. func.: ogf

$$\{-a(n + 4) + 2 a(n + 3) - a(n + 2), a(0) = 0, a(1) = 4, a(2) = 10, a(3) = 11\}$$

Sequence: A355501
Score: 17.3538
Type of gen. func.: lgdegf]

$$3 \exp(x) (x + 1)$$

Sequence: A355504
Score: 5.13679
Type of gen. func.: ogf

$$-\frac{x^{22} - 11 x^{21} + 10 x^{20} + 8 x^{12} - 10 x^{11} - 2 x^{2} + x - 1}{(x + 1) (x^{2} + 1) (x^{8} - x^{6} + x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A355504
Score: 5.40538
Type of gen. func.: ogf

$$-\frac{x^{22} - 11 x^{21} + 10 x^{20} + 8 x^{12} - 10 x^{11} - 2 x^{2} + x - 1}{(x + 1) (x^{2} + 1) (x^{8} - x^{6} + x^{4} - x^{2} + 1) (x - 1)^{2}}$$

Sequence: A355509
Score: 8.5537
Type of gen. func.: ogf

$$\frac{x (2 x^{8} - 2 x^{7} - 2 x^{6} + x^{5} + 2 x^{4} - 2 x^{3} + x - 2)}{(x + 1) (x - 1)^{3}}$$

Sequence: A355509
Score: 9.32257
Type of gen. func.: ogf

$$\frac{x (2 x^{8} - 2 x^{7} - 2 x^{6} + x^{5} + 2 x^{4} - 2 x^{3} + x - 2)}{(x + 1) (x - 1)^{3}}$$

Sequence: A355510
Score: 3.92275
Type of gen. func.: ogf

$$\{a(n + 2) n - 8 a(n + 1) n + 7 a(n) n + 2 a(n + 2) - 8 a(n + 1) - 42 a(n),$$
$$a(0) = 0, a(1) = 0, a(2) = 21\}$$

Sequence: A355510
Score: 8.38286
Type of gen. func.: ogf

$$\frac{x^2 (x^5 - 7 x^4 + 21 x^3 - 35 x^2 + 35 x - 21)}{-1 + 7 x}$$

Sequence: A355510
Score: 9.4146
Type of gen. func.: ogf

$$\frac{x^2 (x^5 - 7 x^4 + 21 x^3 - 35 x^2 + 35 x - 21)}{-1 + 7 x}$$

Sequence: A355511
Score: 4.62387
Type of gen. func.: ogf

$$\{-a(n + 2) n + 12 a(n + 1) n - 11 a(n) n - 2 a(n + 2) + 12 a(n + 1) + 110 a(n),$$
$$a(0) = 0, a(1) = 0, a(2) = 55\}$$

Sequence: A355511
Score: 6.32324
Type of gen. func.: ogf

$$x^2 (x^9 - 11 x^8 + 55 x^7 - 165 x^6 + 330 x^5 - 462 x^4 + 462 x^3 - 330 x^2 + 165 x$$
$$- 55)/(11 x - 1)$$

Sequence: A355515
Score: 8.49853
Type of gen. func.: ogf

$$287453 x^{10} + 164750 x^9 + 39537 x^7 + 685 x^5 + 93 x^4 + 10 x^2 + x + 2$$
$$\overline{\hphantom{287453 x^{10} + 164750 x^9 + 39537 x^7 + 685 x^5 + 93 x^4 + 10 x^2 + x + 2}}$$

$$(x - 1)^2$$

Sequence: A355515
Score: 9.23753
Type of gen. func.: ogf

$$\frac{287453 x^{10} + 164750 x^{9} + 39537 x^{7} + 685 x^{5} + 93 x^{4} + 10 x^{2} + x + 2}{(x - 1)^2}$$

Sequence: A355551
Score: 11.1473
Type of gen. func.: ogf

$$\frac{x^3 + 4 x^2 - 2 x + 1}{(x + 1) (2 x - 1) (x - 1)^3}$$

Sequence: A355551
Score: 4.36489
Type of gen. func.: ogf

{-a(n + 5) + 4 a(n + 4) - 4 a(n + 3) - 2 a(n + 2) + 5 a(n + 1) - 2 a(n),

a(0) = 1, a(1) = 2, a(2) = 8, a(3) = 23, a(4) = 61}

Sequence: A355551
Score: 9.92563
Type of gen. func.: ogf

$$\frac{x^3 + 4 x^2 - 2 x + 1}{(x + 1) (2 x - 1) (x - 1)^3}$$

Sequence: A355552
Score: 4.20973
Type of gen. func.: ogf

{-a(n + 6) + 2 a(n + 5) + a(n + 4) - a(n + 3) - 2 a(n + 2) - a(n + 1) + 2 a(n),

$a(0) = 5, a(1) = 10, a(2) = 23, a(3) = 54, a(4) = 117, a(5) = 240\}$

Sequence: A355552
Score: 8.37777
Type of gen. func.: ogf

$$-\frac{6 x^4 + 3 x^3 - 2 x^2 + 5}{(x + 1) (2 x - 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A355552
Score: 9.09844
Type of gen. func.: ogf

$$-\frac{6 x^4 + 3 x^3 - 2 x^2 + 5}{(x + 1) (2 x - 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A355645
Score: 4.59357
Type of gen. func.: ogf

$\{-a(n + 5) + 7 a(n + 4) - 17 a(n + 3) + 17 a(n + 2) - 6 a(n + 1), a(0) = 1,$

$a(1) = 3, a(2) = 16, a(3) = 61, a(4) = 206\}$

Sequence: A355645
Score: 4.68135
Type of gen. func.: ogf

$$-(4 f(x) - 63055) (6 f(x) x^4 - 17 f(x) x^3 - 6 x^4 + 17 f(x) x^2 + 17 x^3$$
$$- 7 f(x) x - 12 x^2 + f(x) + 4 x - 1)$$

Sequence: A355645
Score: 8.85508
Type of gen. func.: ogf

4 3 2

$$\frac{6 x - 17 x + 12 x - 4 x + 1}{(3 x - 1) (2 x - 1) (x - 1)^{2}}$$

Sequence: A355645
Score: 9.79962
Type of gen. func.: ogf

$$\frac{6 x^{4} - 17 x^{3} + 12 x^{2} - 4 x + 1}{(3 x - 1) (2 x - 1) (x - 1)^{2}}$$

Sequence: A355672
Score: 8.07886
Type of gen. func.: lgdegf]

$$- \frac{\exp(x) x^{2} - 2 \exp(x) x + \exp(x) - 1}{(x - 1)^{2}}$$

Sequence: A355673
Score: 3.63378
Type of gen. func.: ogf

$$- (5 x^{16} + 9 x^{15} + 4 x^{14} + 8 x^{13} + 9 x^{11} + 7 x^{10} + 3 x^{9} + 4 x^{8} + x^{7} + 6 x^{6} + 2 x^{5} + 2 x^{3} + 3 x^{2} + 7 x + 1) / ((x + 1) (x - 1) (x^{2} + 1) (x^{4} + 1) (x^{8} + 1))$$

Sequence: A355673
Score: 3.77986
Type of gen. func.: ogf

$$- (5 x^{16} + 9 x^{15} + 4 x^{14} + 8 x^{13} + 9 x^{11} + 7 x^{10} + 3 x^{9} + 4 x^{8} + x^{7} + 6 x^{6} + 2 x^{5} + 2 x^{3} + 3 x^{2} + 7 x + 1) / ((x + 1) (x - 1) (x^{2} + 1) (x^{4} + 1)$$

^{8}

$(x + 1))$

Sequence: A355674
Score: 5.81701
Type of gen. func.: ogf

$$-\frac{5x^7 - 10x^6 + 10x^5 - 5x^4 + 5x^3 - 3x^2 + 6x + 1}{(x - 1)(x^2 + x + 1)(x^2 - x + 1)}$$

Sequence: A355674
Score: 6.20807
Type of gen. func.: ogf

$$-\frac{5x^7 - 10x^6 + 10x^5 - 5x^4 + 5x^3 - 3x^2 + 6x + 1}{(x - 1)(x^2 + x + 1)(x^2 - x + 1)}$$

Sequence: A355682
Score: 5.00489
Type of gen. func.: ogf

$$-(x - 1)(x + 1)(2x^2 + x + 2)(x^{16} - x^8 + 1)(x^8 + 1)^2$$

Sequence: A355682
Score: 5.44977
Type of gen. func.: ogf

$$-(x - 1)(x + 1)(2x^2 + x + 2)(x^{16} - x^8 + 1)(x^8 + 1)^2$$

Sequence: A355703
Score: 5.85919
Type of gen. func.: ogf

$$-(950x^{23} - 3002x^{22} + 3171x^{21} - 1120x^{20} + 14x^{10} - 47x^9 + 53x^8 - 20x^7 + x^5 - 4x^4 + 6x^3 - 5x^2 + 3x - 1) \Big/ (x - 1)^4$$

Sequence: A355703
Score: 6.18246
Type of gen. func.: ogf

$$-(950x^{23}-3002x^{22}+3171x^{21}-1120x^{20}+14x^{10}-47x^{9}+53x^{8}-20x^{7}+x^{5}-4x^{4}+6x^{3}-5x^{2}+3x-1)\Big/(x-1)^{4}$$

Sequence: A355713
Score: 5.37792
Type of gen. func.: ogf

$$(176x^{8}+2049x^{7}+351x^{6}+2400x^{5}+2049x^{4}+2400x^{3}+351x^{2}+2049x+175)\Big/((x+1)(x^{2}+1)(x^{4}+1)(x-1)^{2})$$

Sequence: A355713
Score: 5.66862
Type of gen. func.: ogf

$$(176x^{8}+2049x^{7}+351x^{6}+2400x^{5}+2049x^{4}+2400x^{3}+351x^{2}+2049x+175)\Big/((x+1)(x^{2}+1)(x^{4}+1)(x-1)^{2})$$

Sequence: A355751
Score: 14.5712
Type of gen. func.: ogf

$$\frac{5x^{3}+102x^{2}+105x+4}{(x-1)^{4}}$$

Sequence: A355751
Score: 17.1616
Type of gen. func.: ogf

$$\frac{5 x^{3} + 102 x^{2} + 105 x + 4}{(x - 1)^{4}}$$

Sequence: A355751
Score: 5.11439
Type of gen. func.: ogf

$$(57016 f(x) + 4722005) (f(x) x^{4} - 4 f(x) x^{3} + 6 f(x) x^{2} - 5 x^{3} - 4 f(x) x - 102 x^{2} + f(x) - 105 x - 4)$$

Sequence: A355751
Score: 5.47711
Type of gen. func.: ogf

$$\{-a(n + 4) + 4 a(n + 3) - 6 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 4, a(1) = 121, a(2) = 562, a(3) = 1543\}$$

Sequence: A355752
Score: 15.9527
Type of gen. func.: ogf

$$- \frac{3 (x^{4} + 115 x^{3} + 345 x^{2} + 113 x + 2)}{(x - 1)^{5}}$$

Sequence: A355752
Score: 18.1158
Type of gen. func.: ogf

$$- \frac{3 (x^{4} + 115 x^{3} + 345 x^{2} + 113 x + 2)}{(x - 1)^{5}}$$

Sequence: A355752

Score: 5.97113
Type of gen. func.: ogf

$$\{a(n + 5) - 5 a(n + 4) + 10 a(n + 3) - 10 a(n + 2) + 5 a(n + 1) - a(n),$$

$$a(0) = 6, a(1) = 369, a(2) = 2820, a(3) = 10815, a(4) = 29538\}$$

Sequence: A355753
Score: 15.9527
Type of gen. func.: ogf

$$-\frac{3 (2 x^4 + 113 x^3 + 345 x^2 + 115 x + 1)}{(x - 1)^5}$$

Sequence: A355753
Score: 18.1158
Type of gen. func.: ogf

$$-\frac{3 (2 x^4 + 113 x^3 + 345 x^2 + 115 x + 1)}{(x - 1)^5}$$

Sequence: A355753
Score: 5.97113
Type of gen. func.: ogf

$$\{a(n + 5) - 5 a(n + 4) + 10 a(n + 3) - 10 a(n + 2) + 5 a(n + 1) - a(n),$$

$$a(0) = 3, a(1) = 360, a(2) = 2805, a(3) = 10794, a(4) = 29511\}$$

Sequence: A355759
Score: 8.62121
Type of gen. func.: ogf

$$-\frac{x^7 - 2 x^6 + x^4 - x^3 + 2 x^2 - 2 x - 1}{(x^2 + 1) (x + 1)^2 (x - 1)^4}$$

Sequence: A355759

Score: 9.33223
Type of gen. func.: ogf

$$-\frac{x^7 - 2x^6 + x^4 - x^3 + 2x^2 - 2x - 1}{(x^2 + 1)(x + 1)^2 (x - 1)^4}$$

Sequence: A355805
Score: 3.5234
Type of gen. func.: ogf

$$(x^{19} - x^{18} + x^{17} - x^{12} + x^{11} - x^{10} - x^9 - x^2 + x - 1) \,/\, (x^{19} - 2x^{18} + 2x^{17} - x^{16} + x^{15} + 3x^{14} - x^{13} + 3x^{11} - x^9 + x^7 - x^6 + x^5 + x^4 - x^2 + 2x - 1)$$

Sequence: A355805
Score: 3.65451
Type of gen. func.: ogf

$$(x^{19} - x^{18} + x^{17} - x^{12} + x^{11} - x^{10} - x^9 - x^2 + x - 1) \,/\, (x^{19} - 2x^{18} + 2x^{17} - x^{16} + x^{15} + 3x^{14} - x^{13} + 3x^{11} - x^9 + x^7 - x^6 + x^5 + x^4 - x^2 + 2x - 1)$$

Sequence: A355882
Score: 13.7754
Type of gen. func.: ogf

$$-\frac{5x - 3}{27x^2 - 18x + 1}$$

Sequence: A355882
Score: 16.6011
Type of gen. func.: ogf

$$-\frac{5x - 3}{27x^2 - 18x + 1}$$

Sequence: A355882
Score: 6.81519
Type of gen. func.: ogf

$$-(720 f(x) + 241) (27 f(x) x^2 - 18 f(x) x + f(x) + 5 x - 3)$$

Sequence: A355882
Score: 8.40835
Type of gen. func.: ogf

$$\{a(n + 2) - 18 a(n + 1) + 27 a(n), a(0) = 3, a(1) = 49\}$$

Sequence: A355883
Score: 13.0708
Type of gen. func.: ogf

$$-\frac{11 x - 4}{116 x^2 - 45 x + 1}$$

Sequence: A355883
Score: 15.6212
Type of gen. func.: ogf

$$-\frac{11 x - 4}{116 x^2 - 45 x + 1}$$

Sequence: A355883
Score: 6.46937
Type of gen. func.: ogf

$$-(6677 f(x) + 1853) (116 f(x) x^2 - 45 f(x) x + f(x) + 11 x - 4)$$

Sequence: A355883
Score: 8.10719
Type of gen. func.: ogf

{a(n + 2) - 45 a(n + 1) + 116 a(n), a(0) = 4, a(1) = 169}

Sequence: A355894
Score: 27.3604
Type of gen. func.: ogf

$$-\frac{x}{10x-1}$$

Sequence: A355988
Score: 6.16597
Type of gen. func.: egf]

$$\frac{4(x^2+x+1)(x^9+15x^6+90x^3+210)}{x^{12}-16x^9+120x^6-480x^3+840}$$

Sequence: A355988
Score: 6.61852
Type of gen. func.: egf]

$$\frac{4(x^2+x+1)(x^9+15x^6+90x^3+210)}{x^{12}-16x^9+120x^6-480x^3+840}$$

Sequence: A355990
Score: 3.77981
Type of gen. func.: lgdegf]

$$(27x^{10}+27x^9+27x^8+180x^7+144x^6+108x^5+240x^4+132x^3+60x^2+40x+8)\Big/(9x^8+9x^7+9x^6+36x^5+27x^4+18x^3+20x^2+8x+2)$$

Sequence: A356012
Score: 6.77555
Type of gen. func.: egf]

$$-\frac{2x^6-3x^5+3x^4-4x^3+12x^2+6x+2}{2(x^2+x+1)^2(x-1)^3}$$

Sequence: A356012
Score: 7.3522
Type of gen. func.: egf]

$$-\frac{2x^6-3x^5+3x^4-4x^3+12x^2+6x+2}{2(x^2+x+1)^2(x-1)^3}$$

Sequence: A356023
Score: 2.64255
Type of gen. func.: lgdogf

$$\frac{55x^{10}+20x^9+54x^8+28x^6+6x^5+20x^4+16x^3+6x^2+5}{5x^{11}+2x^{10}+6x^9+4x^7+x^6+4x^5+4x^4+2x^3+5x+7}$$

Sequence: A356047
Score: 10.1036
Type of gen. func.: ogf

$$\frac{3x^5+4x^4-14x^2-3x-2}{(x-1)(x+1)(x^2-4x+1)(x^2+4x+1)}$$

Sequence: A356047
Score: 6.96326
Type of gen. func.: ogf

{a(n + 6) - 15 a(n + 4) + 15 a(n + 2) - a(n), a(0) = 2, a(1) = 3, a(2) = 44,

a(3) = 45, a(4) = 626, a(5) = 627}

Sequence: A356047

Score: 9.36875
Type of gen. func.: ogf

$$\frac{3 x^5 + 4 x^4 - 14 x^2 - 3 x - 2}{(x - 1) (x + 1) (x^2 - 4 x + 1) (x^2 + 4 x + 1)}$$

Sequence: A356050
Score: 11.7329
Type of gen. func.: ogf

$$- \frac{3 x^3 + 2 x^2 + x + 1}{(2 x^2 - 1) (x^2 + 1)}$$

Sequence: A356050
Score: 13.1769
Type of gen. func.: ogf

$$- \frac{3 x^3 + 2 x^2 + x + 1}{(2 x^2 - 1) (x^2 + 1)}$$

Sequence: A356050
Score: 8.15713
Type of gen. func.: ogf

$$(928 f(x) - 545) (2 f(x) x^4 + f(x) x^2 + 3 x^3 + 2 x^2 - f(x) + x + 1)$$

Sequence: A356050
Score: 8.73979
Type of gen. func.: ogf

$$\{-a(n + 4) + a(n + 2) + 2 a(n), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 4\}$$

Sequence: A356114
Score: 14.4709
Type of gen. func.: ogf

$$\frac{x^3 (2 x^2 - x - 2)}{(2 x - 1) (x - 1)^2}$$

Sequence: A356114
Score: 16.8335
Type of gen. func.: ogf

$$\frac{x^3 (2 x^2 - x - 2)}{(2 x - 1) (x - 1)^2}$$

Sequence: A356114
Score: 5.64959
Type of gen. func.: ogf

{a(n + 6) - 4 a(n + 5) + 5 a(n + 4) - 2 a(n + 3), a(0) = 0, a(1) = 0, a(2) = 0,

a(3) = 2, a(4) = 9, a(5) = 24}

Sequence: A356118
Score: 3.63536
Type of gen. func.: egf]

- (BesselI(0, -2 x) exp(2 x) x + exp(2 x) BesselI(1, -2 x) x

- BesselI(0, -2 x) exp(2 x) - exp(2 x) BesselI(1, -2 x) + 2)/(x - 1)

Sequence: A356185
Score: 12.1924
Type of gen. func.: ogf

$$- \frac{4 x^3 - 3 x^2 - x + 1}{(2 x^2 - 1) (x - 1)^2}$$

Sequence: A356185
Score: 13.7914
Type of gen. func.: ogf

$$-\frac{4 x^{3} - 3 x^{2} - x + 1}{(2 x^{2} - 1) (x - 1)^{2}}$$

Sequence: A356185
Score: 5.92445
Type of gen. func.: ogf

$$-(7 f(x) - 10)$$

$$(2 f(x) x^{4} - 4 f(x) x^{3} + f(x) x^{2} + 4 x^{3} + 2 f(x) x - 3 x^{2} - f(x) - x + 1)$$

Sequence: A356185
Score: 6.32536
Type of gen. func.: ogf

$$\{a(n + 4) - 2 a(n + 3) - a(n + 2) + 4 a(n + 1) - 2 a(n), a(0) = 1, a(1) = 1, a(2) = 0, a(3) = 1\}$$

Sequence: A356187
Score: 3.17229
Type of gen. func.: ogf

$$-(f(x) - x - 1)^{3}$$

Sequence: A356198
Score: 10.2098
Type of gen. func.: ogf

$$\frac{10 x^{2} - x - 5}{(x - 1) (2 x - 1) (5 x - 1)}$$

Sequence: A356198
Score: 11.6181
Type of gen. func.: ogf

$$10 x^{2} - x - 5$$

```
                             ---------------------------
                             (x - 1) (2 x - 1) (5 x - 1)
```

Sequence: A356198
Score: 5.30588
Type of gen. func.: ogf

```
-(86668 f(x) - 478175)

                3             2                  2
    (10 f(x) x  - 17 f(x) x  + 8 f(x) x - 10 x  - f(x) + x + 5)
```

Sequence: A356198
Score: 6.18208
Type of gen. func.: ogf

```
{-a(n + 3) + 8 a(n + 2) - 17 a(n + 1) + 10 a(n), a(0) = 5, a(1) = 41,

    a(2) = 233}
```

Sequence: A356200
Score: 10.7949
Type of gen. func.: ogf

```
                                        2 x - 3
                          - --------------------------------
                               2                 2
                             (x  - 3 x + 1) (2 x  - 6 x + 1)
```

Sequence: A356200
Score: 12.3099
Type of gen. func.: ogf

```
                                        2 x - 3
                          - --------------------------------
                               2                 2
                             (x  - 3 x + 1) (2 x  - 6 x + 1)
```

Sequence: A356200
Score: 4.97636
Type of gen. func.: ogf

```
{-a(n + 4) + 9 a(n + 3) - 21 a(n + 2) + 12 a(n + 1) - 2 a(n), a(0) = 3,

    a(1) = 25, a(2) = 162, a(3) = 969}
```

Sequence: A356200
Score: 5.27569
Type of gen. func.: ogf

$$(2494975 f(x) - 77746)$$

$$(2 f(x) x^4 - 12 f(x) x^3 + 21 f(x) x^2 - 9 f(x) x + f(x) + 2 x - 3)$$

Sequence: A356251
Score: 19.7712
Type of gen. func.: ogf

$$\frac{2 x (7 x + 3)}{(x - 1)^6}$$

Sequence: A356251
Score: 24.5642
Type of gen. func.: ogf

$$\frac{2 x (7 x + 3)}{(x - 1)^6}$$

Sequence: A356251
Score: 3.97362
Type of gen. func.: ogf

$$\{-a(n + 6) + 6 a(n + 5) - 15 a(n + 4) + 20 a(n + 3) - 15 a(n + 2) + 6 a(n + 1)$$

$$- a(n), a(0) = 0, a(1) = 6, a(2) = 50, a(3) = 210, a(4) = 630, a(5) = 1540$$

$$\}$$

Sequence: A356288
Score: 11.6032
Type of gen. func.: ogf

$$- \frac{x^4 - x^3 - 3 x^2 - 2 x - 2}{(x + 1)^3 (x - 1)^4}$$

Sequence: A356288
Score: 13.0313
Type of gen. func.: ogf

$$-\frac{x^4 - x^3 - 3 x^2 - 2 x - 2}{(x + 1)^3 (x - 1)^4}$$

Sequence: A356313
Score: 2.75567
Type of gen. func.: ogf

$$x (x^{36} - x^{34} + x^{33} + x^{31} - x^{29} - x^{24} + x^{21} - x^{19} + x^{16} - x^{14} + x^{12} + x^8 + x^7 - x^5 - x^2 - x - 1) \Big/ ((x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1))$$

Sequence: A356313
Score: 2.85966
Type of gen. func.: ogf

$$x (x^{36} - x^{34} + x^{33} + x^{31} - x^{29} - x^{24} + x^{21} - x^{19} + x^{16} - x^{14} + x^{12} + x^8 + x^7 - x^5 - x^2 - x - 1) \Big/ ((x - 1) (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1))$$

Sequence: A356334
Score: 2.79599
Type of gen. func.: ogf

$$\frac{x^3 - x^2 - 2 x - 1}{x - 1}$$

Sequence: A356334
Score: 3.34155
Type of gen. func.: ogf

$$\frac{x^3 - x^2 - 2x - 1}{x - 1}$$

Sequence: A356411
Score: 11.3153
Type of gen. func.: ogf

$$\frac{(x + 3) (x - 1)}{3 x^3 + x^2 + x - 1}$$

Sequence: A356411
Score: 13.0232
Type of gen. func.: ogf

$$\frac{(x + 3) (x - 1)}{3 x^3 + x^2 + x - 1}$$

Sequence: A356411
Score: 6.10824
Type of gen. func.: ogf

$$(19 f(x) - 43) (3 f(x) x^3 + f(x) x^2 + f(x) x - x^2 - f(x) - 2 x + 3)$$

Sequence: A356411
Score: 6.63684
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) - 3 a(n), a(0) = 3, a(1) = 1, a(2) = 3\}$$

Sequence: A356463
Score: 11.5181
Type of gen. func.: ogf

$$\frac{x^2 - 8 x + 3}{x^3 + x^2 - 4 x + 1}$$

Sequence: A356463
Score: 4.90773
Type of gen. func.: ogf

$$-(f(x) - 3) (f(x) x^3 + f(x) x^2 - 4 f(x) x - x^2 + f(x) + 8 x - 3)$$

Sequence: A356463
Score: 5.37513
Type of gen. func.: ogf

$$\{a(n + 3) - 4 a(n + 2) + a(n + 1) + a(n), a(0) = 3, a(1) = 4, a(2) = 14\}$$

Sequence: A356463
Score: 9.90156
Type of gen. func.: ogf

$$\frac{x^2 - 8 x + 3}{x^3 + x^2 - 4 x + 1}$$

Sequence: A356480
Score: 12.9923
Type of gen. func.: ogf

$$\frac{4 x^6 - 4 x^5 + 4 x^4 - 8 x^3 + 2 x^2 + 3 x + 1}{(x - 1)^2}$$

Sequence: A356480
Score: 14.5914
Type of gen. func.: ogf

$$\frac{4 x^6 - 4 x^5 + 4 x^4 - 8 x^3 + 2 x^2 + 3 x + 1}{(x - 1)^2}$$

Sequence: A356480
Score: 6.54096
Type of gen. func.: ogf

$$\{-a(n + 7) + 2 a(n + 6) - a(n + 5), a(0) = 1, a(1) = 5, a(2) = 11, a(3) = 9, a(4) = 11, a(5) = 9, a(6) = 11\}$$

Sequence: A356549
Score: 6.47545
Type of gen. func.: ogf

$$-\frac{(x^6 + x^4 + 1) (x^2 - x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^3}$$

Sequence: A356549
Score: 6.86495
Type of gen. func.: ogf

$$-\frac{(x^6 + x^4 + 1) (x^2 - x + 1)}{(x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^3}$$

Sequence: A356559
Score: 7.91335
Type of gen. func.: lgdegf]

$$-\frac{\exp(-1) x - \exp(-1) + \exp\left(\frac{1}{x - 1}\right)}{(x - 1)^2 \exp(-1)}$$

Sequence: A356563
Score: 11.1596
Type of gen. func.: ogf

$$\frac{x^2 + 4 x - 3}{2 x^3 + x^2 + 2 x - 1}$$

Sequence: A356563
Score: 12.9816
Type of gen. func.: ogf

$$\frac{x^2 + 4 x - 3}{2 x^3 + x^2 + 2 x - 1}$$

Sequence: A356563
Score: 6.11631
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 2) - a(n + 1) - 2 a(n), a(0) = 3, a(1) = 2, a(2) = 6\}$$

Sequence: A356563
Score: 7.14715
Type of gen. func.: ogf

$$2 f(x) x^3 + f(x) x^2 + 2 f(x) x - x^2 - f(x) - 4 x + 3$$

Sequence: A356569
Score: 3.96416
Type of gen. func.: ogf

$$(25 f(x) - 39) (f(x) x^4 + 2 f(x) x^3 - 6 f(x) x^2 - 2 x^3 - 2 f(x) x + 12 x^2 + f(x) + 6 x - 4)$$

Sequence: A356569
Score: 4.08075
Type of gen. func.: ogf

$$\{-a(n + 4) + 2 a(n + 3) + 6 a(n + 2) - 2 a(n + 1) - a(n), a(0) = 4, a(1) = 2, a(2) = 16, a(3) = 38\}$$

Sequence: A356569
Score: 7.20756

Type of gen. func.: ogf

$$\frac{2\,(x^3 - 6\,x^2 - 3\,x + 2)}{x^4 + 2\,x^3 - 6\,x^2 - 2\,x + 1}$$

Sequence: A356569
Score: 8.04322
Type of gen. func.: ogf

$$\frac{2\,(x^3 - 6\,x^2 - 3\,x + 2)}{x^4 + 2\,x^3 - 6\,x^2 - 2\,x + 1}$$

Sequence: A356571
Score: 5.53391
Type of gen. func.: ogf

$$x\,(x^{11} - 5\,x^{10} + 10\,x^9 - 9\,x^8 + x^7 + 2\,x^6 - 9\,x^5 - 248\,x^4 - 454\,x^3 - 229\,x^2 - 21\,x + 1) \Big/ ((x + 1)\,(x - 1)^6)$$

Sequence: A356571
Score: 5.87186
Type of gen. func.: ogf

$$x\,(x^{11} - 5\,x^{10} + 10\,x^9 - 9\,x^8 + x^7 + 2\,x^6 - 9\,x^5 - 248\,x^4 - 454\,x^3 - 229\,x^2 - 21\,x + 1) \Big/ ((x + 1)\,(x - 1)^6)$$

Sequence: A356619
Score: 11.0901
Type of gen. func.: ogf

$$-\frac{x\,(x^2 + x + 1)}{(x^3 + x^2 + x - 1)\,(x - 1)^2}$$

Sequence: A356619
Score: 5.20558
Type of gen. func.: ogf

{-a(n + 5) + 3 a(n + 4) - 2 a(n + 3) - a(n + 1) + a(n), a(0) = 0, a(1) = 1,

a(2) = 4, a(3) = 11, a(4) = 25}

Sequence: A356619
Score: 9.93793
Type of gen. func.: ogf

$$-\frac{x (x^2 + x + 1)}{(x^3 + x^2 + x - 1) (x - 1)^2}$$

Sequence: A356620
Score: 4.95894
Type of gen. func.: ogf

{a(n + 6) - 3 a(n + 5) + 2 a(n + 4) + a(n + 1) - a(n), a(0) = 0, a(1) = 1,

a(2) = 4, a(3) = 11, a(4) = 26, a(5) = 56}

Sequence: A356620
Score: 8.53152
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^2 + 1)}{(x^4 + x^3 + x^2 + x - 1) (x - 1)^2}$$

Sequence: A356620
Score: 9.33448
Type of gen. func.: ogf

$$-\frac{x (x + 1) (x^2 + 1)}{(x^4 + x^3 + x^2 + x - 1) (x - 1)^2}$$

Sequence: A356621
Score: 6.96094
Type of gen. func.: ogf

$$-\frac{x\,(x^4+x^3+x^2+x+1)}{(x^5+x^4+x^3+x^2+x-1)\,(x-1)^2}$$

Sequence: A356621
Score: 7.5123
Type of gen. func.: ogf

$$-\frac{x\,(x^4+x^3+x^2+x+1)}{(x^5+x^4+x^3+x^2+x-1)\,(x-1)^2}$$

Sequence: A356622
Score: 10.2222
Type of gen. func.: ogf

$$-\frac{x^2-4\,x+1}{x^3-7\,x^2+9\,x-1}$$

Sequence: A356622
Score: 4.67049
Type of gen. func.: ogf

$$(3313\,f(x)+591)\,(f(x)\,x^3-7\,f(x)\,x^2+9\,f(x)\,x+x^2-f(x)-4\,x+1)$$

Sequence: A356622
Score: 5.15978
Type of gen. func.: ogf

$$\{-a(n+3)+9\,a(n+2)-7\,a(n+1)+a(n),\ a(0)=1,\ a(1)=5,\ a(2)=39\}$$

Sequence: A356622
Score: 8.88159
Type of gen. func.: ogf

$$-\frac{x^2 - 4 x + 1}{x^3 - 7 x^2 + 9 x - 1}$$

Sequence: A356623
Score: 13.9322
Type of gen. func.: ogf

$$-\frac{2}{x^3 - 7 x^2 + 9 x - 1}$$

Sequence: A356623
Score: 17.3097
Type of gen. func.: ogf

$$-\frac{2}{x^3 - 7 x^2 + 9 x - 1}$$

Sequence: A356623
Score: 5.33852
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 7 a(n + 1) - a(n), a(0) = 2, a(1) = 18, a(2) = 148\}$$

Sequence: A356623
Score: 5.49251
Type of gen. func.: ogf

$$(6289 f(x) - 258) (f(x) x^3 - 7 f(x) x^2 + 9 f(x) x - f(x) + 2)$$

Sequence: A356632
Score: 3.91939
Type of gen. func.: egf]

$$\left(6 x^{8} - 6 x^{7} - 36 x^{6} - 28 x^{5} + 35 x^{4} + 26 x^{3} - 8 x^{2} - 12 x + 4\right) \Big/ \left(3 x^{10} + 4 x^{9} + 23 x^{8} + 16 x^{7} - 19 x^{6} - 60 x^{5} + 15 x^{4} + 32 x^{3} + 4 x^{2} - 16 x + 4\right)$$

Sequence: A356632
Score: 4.10827
Type of gen. func.: egf]

$$\left(6 x^{8} - 6 x^{7} - 36 x^{6} - 28 x^{5} + 35 x^{4} + 26 x^{3} - 8 x^{2} - 12 x + 4\right) \Big/ \left(3 x^{10} + 4 x^{9} + 23 x^{8} + 16 x^{7} - 19 x^{6} - 60 x^{5} + 15 x^{4} + 32 x^{3} + 4 x^{2} - 16 x + 4\right)$$

Sequence: A356633
Score: 4.58539
Type of gen. func.: egf]

$$\frac{x^{9} - 11 x^{6} - 12 x^{5} - 24 x^{4} + 36 x^{3} - 36 x^{2} + 72 x - 36}{3 x^{9} + 3 x^{8} + 6 x^{7} + 7 x^{6} - 54 x^{4} + 72 x^{3} - 108 x^{2} + 108 x - 36}$$

Sequence: A356633
Score: 4.84191
Type of gen. func.: egf]

$$\frac{x^{9} - 11 x^{6} - 12 x^{5} - 24 x^{4} + 36 x^{3} - 36 x^{2} + 72 x - 36}{3 x^{9} + 3 x^{8} + 6 x^{7} + 7 x^{6} - 54 x^{4} + 72 x^{3} - 108 x^{2} + 108 x - 36}$$

Sequence: A356634
Score: 4.8145
Type of gen. func.: egf]

$$- \frac{x^{8} + 24 x^{6} + 12 x^{5} - 36 x^{4} + 288 x^{2} - 576 x + 288}{(x - 1) (x^{10} + x^{9} + x^{8} + 36 x^{6} - 36 x^{4} + 288 x^{2} - 576 x + 288)}$$

Sequence: A356634
Score: 5.07651
Type of gen. func.: egf]

$$-\frac{x^{8}+24x^{6}+12x^{5}-36x^{4}+288x^{2}-576x+288}{(x-1)(x^{10}+x^{9}+x^{8}+36x^{6}-36x^{4}+288x^{2}-576x+288)}$$

Sequence: A356644
Score: 8.41675
Type of gen. func.: ogf

$$\frac{x^{2}(8x^{4}-35x^{3}+48x^{2}-12x-3)}{(4x-1)(x-1)^{2}(x^{2}-3x+1)^{2}}$$

Sequence: A356644
Score: 9.18191
Type of gen. func.: ogf

$$\frac{x^{2}(8x^{4}-35x^{3}+48x^{2}-12x-3)}{(4x-1)(x-1)^{2}(x^{2}-3x+1)^{2}}$$

Sequence: A356669
Score: 2.81427
Type of gen. func.: ogf

$$(f(x)-1)^{2}$$

Sequence: A356684
Score: 4.14962
Type of gen. func.: ogf

$\{-a(n+2)\,n+a(n+1)\,n+a(n+3)-3\,a(n+2)+4\,a(n+1),\ a(0)=-1,$

$a(1)=-1,\ a(2)=1\}$

Sequence: A356695
Score: 11.1506
Type of gen. func.: ogf

$$\frac{x^5 - 3x^4 - 7x^3 + x + 1}{3x^5 - 9x^3 - 2x^2 + 1}$$

Sequence: A356695
Score: 5.12929
Type of gen. func.: ogf

{-a(n + 6) + 2 a(n + 4) + 9 a(n + 3) - 3 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 2,

a(3) = 4, a(4) = 10, a(5) = 24}

Sequence: A356695
Score: 9.99212
Type of gen. func.: ogf

$$\frac{x^5 - 3x^4 - 7x^3 + x + 1}{3x^5 - 9x^3 - 2x^2 + 1}$$

Sequence: A356696
Score: 3.89991
Type of gen. func.: ogf

{-a(n + 6) + 8 a(n + 5) - 25 a(n + 4) + 39 a(n + 3) - 32 a(n + 2) + 13 a(n + 1)

- 2 a(n), a(0) = 2, a(1) = 1, a(2) = 1, a(3) = 2, a(4) = 5, a(5) = 14}

Sequence: A356696
Score: 7.39125
Type of gen. func.: ogf

$$-\frac{9x^5 - 39x^4 + 59x^3 - 43x^2 + 15x - 2}{(2x - 1)(x^2 - 3x + 1)(x - 1)^3}$$

Sequence: A356696
Score: 8.00084
Type of gen. func.: ogf

$$-\frac{9 x^5 - 39 x^4 + 59 x^3 - 43 x^2 + 15 x - 2}{(2 x - 1) (x^2 - 3 x + 1) (x - 1)^3}$$

Sequence: A356697
Score: 3.90444
Type of gen. func.: ogf

{a(n + 6) - a(n + 5) - 3 a(n + 4) - 9 a(n + 3) + 7 a(n + 2) + 6 a(n + 1) - a(n)

, a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 5, a(4) = 13, a(5) = 36}

Sequence: A356697
Score: 7.80887
Type of gen. func.: ogf

$$-\frac{3 x^5 - 9 x^3 - 2 x^2 + 1}{(x - 1) (x^5 - 5 x^4 - 12 x^3 - 3 x^2 + 1)}$$

Sequence: A356697
Score: 8.50299
Type of gen. func.: ogf

$$-\frac{3 x^5 - 9 x^3 - 2 x^2 + 1}{(x - 1) (x^5 - 5 x^4 - 12 x^3 - 3 x^2 + 1)}$$

Sequence: A356698
Score: 4.52911
Type of gen. func.: ogf

$$-\frac{4 x^9 - 40 x^7 - 32 x^6 - 3 x^5 + 34 x^4 + 9 x^3 + 2 x^2 - 1}{x^{10} - 10 x^9 - 25 x^8 + 37 x^7 + 54 x^6 + 37 x^5 - 28 x^4 - 9 x^3 - 3 x^2 - x + 1}$$

Sequence: A356698
Score: 4.7514
Type of gen. func.: ogf

$$-\frac{4x^9-40x^7-32x^6-3x^5+34x^4+9x^3+2x^2-1}{x^{10}-10x^9-25x^8+37x^7+54x^6+37x^5-28x^4-9x^3-3x^2-x+1}$$

Sequence: A356714
Score: 11.187
Type of gen. func.: ogf

$$-\frac{x^5\,(2x^4+2x^3-5x^2+x-4)}{(x-1)^2}$$

Sequence: A356714
Score: 9.81015
Type of gen. func.: ogf

$$-\frac{x^5\,(2x^4+2x^3-5x^2+x-4)}{(x-1)^2}$$

Sequence: A356716
Score: 4.6746
Type of gen. func.: ogf

{-a(n + 5) + a(n + 4) + 7 a(n + 3) - 7 a(n + 2) - a(n + 1) + a(n), a(0) = 5,

a(1) = 19, a(2) = 31, a(3) = 101, a(4) = 179}

Sequence: A356716
Score: 7.94682
Type of gen. func.: ogf

$$\frac{x^4+28x^3+23x^2-14x-5}{(x-1)\,(x^2+3x+1)\,(x^2-3x+1)}$$

Sequence: A356716
Score: 8.63785
Type of gen. func.: ogf

$$\frac{x^4 + 28 x^3 + 23 x^2 - 14 x - 5}{(x - 1) (x^2 + 3 x + 1) (x^2 - 3 x + 1)}$$

Sequence: A356717
Score: 4.54748
Type of gen. func.: ogf

$\{a(n + 5) - a(n + 4) - 7 a(n + 3) + 7 a(n + 2) + a(n + 1) - a(n), a(0) = 1,$

$a(1) = 29, a(2) = 59, a(3) = 241, a(4) = 445\}$

Sequence: A356717
Score: 7.73071
Type of gen. func.: ogf

$$\frac{5 x^4 + 14 x^3 - 23 x^2 - 28 x - 1}{(x - 1) (x^2 + 3 x + 1) (x^2 - 3 x + 1)}$$

Sequence: A356717
Score: 8.40295
Type of gen. func.: ogf

$$\frac{5 x^4 + 14 x^3 - 23 x^2 - 28 x - 1}{(x - 1) (x^2 + 3 x + 1) (x^2 - 3 x + 1)}$$

Sequence: A356728
Score: 10.8303
Type of gen. func.: ogf

$$- \frac{3 x^3 - x^2 + x - 1}{}$$

$$(2x-1)(x-1)^3$$

Sequence: A356728
Score: 12.3503
Type of gen. func.: ogf

$$-\frac{3x^3-x^2+x-1}{(2x-1)(x-1)^3}$$

Sequence: A356728
Score: 4.95752
Type of gen. func.: ogf

$$-(f(x)+15)$$

$$(2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 + 3 x^3 - 5 f(x) x - x^2 + f(x) + x - 1)$$

Sequence: A356728
Score: 5.17623
Type of gen. func.: ogf

$$\{a(n+4) - 5 a(n+3) + 9 a(n+2) - 7 a(n+1) + 2 a(n),\ a(0) = 1,\ a(1) = 4,\ a(2) = 12,\ a(3) = 28\}$$

Sequence: A356768
Score: 11.1913
Type of gen. func.: ogf

$$-\frac{6x(4x^4+35x^3+59x^2+21x+1)}{(x-1)^7}$$

Sequence: A356768
Score: 12.6835
Type of gen. func.: ogf

$$6x(4x^4+35x^3+59x^2+21x+1)$$

$$- \frac{\quad}{(x - 1)^{7}}$$

Sequence: A356807
Score: 4.51081
Type of gen. func.: ogf

$(154 f(x) + 283)$

$$(f(x) x^{4} + f(x) x^{3} + f(x) x^{2} + 2 x^{3} + f(x) x + 2 x^{2} - f(x) + 4 x + 3)$$

Sequence: A356807
Score: 4.67665
Type of gen. func.: ogf

$\{a(n + 4) - a(n + 3) - a(n + 2) - a(n + 1) - a(n), a(0) = 3, a(1) = 7,$

$a(2) = 12, a(3) = 24\}$

Sequence: A356807
Score: 8.26005
Type of gen. func.: ogf

$$- \frac{2 x^{3} + 2 x^{2} + 4 x + 3}{x^{4} + x^{3} + x^{2} + x - 1}$$

Sequence: A356807
Score: 9.21774
Type of gen. func.: ogf

$$- \frac{2 x^{3} + 2 x^{2} + 4 x + 3}{x^{4} + x^{3} + x^{2} + x - 1}$$

Sequence: A356812
Score: 11.8674
Type of gen. func.: lgdegf]

$$\exp(2 x) (\exp(-2 x) - 1 - 2 x)$$

Sequence: A356813
Score: 11.6344
Type of gen. func.: lgdegf]

$$\exp(3 x) (\exp(-3 x) - 3 x - 1)$$

Sequence: A356815
Score: 11.7058
Type of gen. func.: lgdegf]

$$-\exp(2 x) (\exp(-2 x) + 2 x + 1)$$

Sequence: A356816
Score: 12.0035
Type of gen. func.: lgdegf]

$$-\exp(3 x) (\exp(-3 x) + 3 x + 1)$$

Sequence: A356818
Score: 11.9558
Type of gen. func.: lgdegf]

$$-\exp(x) (\exp(-x) + x + 1)$$

Sequence: A356819
Score: 14.5419
Type of gen. func.: lgdegf]

$$-\exp(2 x) (1 + 2 x)$$

Sequence: A356820
Score: 14.9458
Type of gen. func.: lgdegf]

$$-\exp(3 x) (3 x + 1)$$

Sequence: A356827
Score: 16.177
Type of gen. func.: lgdegf]

$$\exp(3 x) (3 x + 1)$$

Sequence: A356828
Score: 10.3621
Type of gen. func.: ogf

$$\frac{x (x + 2) (3 x + 1)}{(4 x - 1) (x^2 + 2 x - 1) (x - 1)^2}$$

Sequence: A356828
Score: 4.44962
Type of gen. func.: ogf

{-a(n + 5) + 8 a(n + 4) - 20 a(n + 3) + 16 a(n + 2) + a(n + 1) - 4 a(n),

a(0) = 0, a(1) = 2, a(2) = 23, a(3) = 147, a(4) = 748}

Sequence: A356828
Score: 9.33871
Type of gen. func.: ogf

$$\frac{x (x + 2) (3 x + 1)}{(4 x - 1) (x^2 + 2 x - 1) (x - 1)^2}$$

Sequence: A356829
Score: 7.58735
Type of gen. func.: ogf

$$\frac{2 x^2 (2 x^4 - 5 x^3 + 14 x^2 - x - 4)}{(4 x - 1) (x - 1)^2 (x^2 + 2 x - 1)^2}$$

Sequence: A356829
Score: 8.26178
Type of gen. func.: ogf

$$\frac{2 x^2 (2 x^4 - 5 x^3 + 14 x^2 - x - 4)}{(4 x - 1) (x - 1)^2 (x^2 + 2 x - 1)^2}$$

Sequence: A356830
Score: 6.94443
Type of gen. func.: ogf

$$\frac{2 x (6 x^5 + 10 x^4 + 18 x^3 - 19 x^2 + 4 x - 1)}{(4 x - 1) (x - 1)^2 (x^2 + 2 x - 1)^2}$$

Sequence: A356830
Score: 7.49998
Type of gen. func.: ogf

$$\frac{2 x (6 x^5 + 10 x^4 + 18 x^3 - 19 x^2 + 4 x - 1)}{(4 x - 1) (x - 1)^2 (x^2 + 2 x - 1)^2}$$

Sequence: A356836
Score: 13.503
Type of gen. func.: ogf

$$- \frac{(x + 1)^3}{(x - 1) (x^2 - 8 x + 1)}$$

Sequence: A356836
Score: 15.7075
Type of gen. func.: ogf

$$- \frac{(x + 1)^3}{(x - 1) (x^2 - 8 x + 1)}$$

Sequence: A356836
Score: 5.96643
Type of gen. func.: ogf

$$\{a(n + 4) - 9 a(n + 3) + 9 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 12, a(2) = 102, a(3) = 812\}$$

Sequence: A356836
Score: 6.30877
Type of gen. func.: ogf

$$(-74 + 371 f(x)) (f(x) x^3 - 9 f(x) x^2 + x^3 + 9 f(x) x + 3 x^2 - f(x) + 3 x + 1)$$

Sequence: A356837
Score: 5.04109
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^6 + 6 x^5 + 5 x^4 + 18 x^3 + 5 x^2 + 6 x + 1)}{(x - 1) (x^6 - 12 x^5 - x^4 - 30 x^3 - x^2 - 12 x + 1)}$$

Sequence: A356837
Score: 5.33546
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^6 + 6 x^5 + 5 x^4 + 18 x^3 + 5 x^2 + 6 x + 1)}{(x - 1) (x^6 - 12 x^5 - x^4 - 30 x^3 - x^2 - 12 x + 1)}$$

Sequence: A356849
Score: 13.4856
Type of gen. func.: ogf

$$-\frac{3 x^2 + x + 1}{3 x^3 - x^2 + x - 1}$$

Sequence: A356849

Score: 15.5211
Type of gen. func.: ogf

$$-\frac{3x^2+x+1}{3x^3-x^2+x-1}$$

Sequence: A356849
Score: 7.09155
Type of gen. func.: ogf

$$-(11 f(x) - 3) (3 f(x) x^3 - f(x) x^2 + f(x) x + 3 x^2 - f(x) + x + 1)$$

Sequence: A356849
Score: 7.90981
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) + a(n + 1) - 3 a(n), a(0) = 1, a(1) = 2, a(2) = 4\}$$

Sequence: A356852
Score: 4.70503
Type of gen. func.: ogf

$$-\frac{(x^4+x^3+x^2+x+1)(x^{45}+2x^{10}+4x^5+2)}{2x^{50}-x^{45}+2x^{10}-2}$$

Sequence: A356852
Score: 5.04721
Type of gen. func.: ogf

$$-\frac{(x^4+x^3+x^2+x+1)(x^{45}+2x^{10}+4x^5+2)}{2x^{50}-x^{45}+2x^{10}-2}$$

Sequence: A356858
Score: 6.76176
Type of gen. func.: egf]

$$\frac{19 x^{12} - 565 x^{8} + 960 x^{4} - 350}{19 x^{12} + 443 x^{9} - 565 x^{8} - 890 x^{5} + 960 x^{4} + 350 x - 350}$$

Sequence: A356858
Score: 7.26731
Type of gen. func.: egf]

$$\frac{19 x^{12} - 565 x^{8} + 960 x^{4} - 350}{19 x^{12} + 443 x^{9} - 565 x^{8} - 890 x^{5} + 960 x^{4} + 350 x - 350}$$

Sequence: A356880
Score: 11.7564
Type of gen. func.: ogf

$$(32 f(x) - 47) (4 f(x) x^{2} - f(x) + 9 x + 4)$$

Sequence: A356880
Score: 14.4855
Type of gen. func.: ogf

$$\{a(n + 2) - 4 a(n), a(0) = 4, a(1) = 9\}$$

Sequence: A356880
Score: 16.5549
Type of gen. func.: ogf

$$- \frac{9 x + 4}{(2 x - 1) (1 + 2 x)}$$

Sequence: A356880
Score: 19.7851
Type of gen. func.: ogf

$$- \frac{9 x + 4}{(2 x - 1) (1 + 2 x)}$$

Sequence: A356888
Score: 17.7618
Type of gen. func.: ogf

$$-\frac{6 x^2 - 3 x + 1}{(2 x - 1)^3}$$

Sequence: A356888
Score: 21.6022
Type of gen. func.: ogf

$$-\frac{6 x^2 - 3 x + 1}{(2 x - 1)^3}$$

Sequence: A356888
Score: 6.66068
Type of gen. func.: ogf

$$-(248 f(x) - 113) (8 f(x) x^3 - 12 f(x) x^2 + 6 f(x) x + 6 x^2 - f(x) - 3 x + 1)$$

Sequence: A356888
Score: 7.54039
Type of gen. func.: ogf

{a(n + 3) - 6 a(n + 2) + 12 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 3, a(2) = 12}

Sequence: A356889
Score: 11.6212
Type of gen. func.: ogf

$$-\frac{8 x^3 - 32 x^2 + 18 x - 3}{(x - 1) (4 x - 1)^3}$$

Sequence: A356889
Score: 13.197
Type of gen. func.: ogf

$$-\frac{8x^3 - 32x^2 + 18x - 3}{(x - 1)(4x - 1)^3}$$

Sequence: A356889
Score: 5.02338
Type of gen. func.: ogf

$$(428382 f(x) + 1427287) (64 f(x) x^4 - 112 f(x) x^3 + 60 f(x) x^2 + 8 x^3 - 13 f(x) x - 32 x^2 + f(x) + 18 x - 3)$$

Sequence: A356889
Score: 5.40711
Type of gen. func.: ogf

{-a(n + 4) + 13 a(n + 3) - 60 a(n + 2) + 112 a(n + 1) - 64 a(n), a(0) = 3,
a(1) = 21, a(2) = 125, a(3) = 693}

Sequence: A356901
Score: 3.35627
Type of gen. func.: egf]

$$\{4 a(n) n^3 + 4 a(n + 1) n^2 + 4 a(n) n^2 + a(n + 2) n + 8 a(n + 1) n + a(n) n + 2 a(n + 2) + 4 a(n + 1), a(0) = 0, a(1) = 1\}$$

Sequence: A356929
Score: 8.0721
Type of gen. func.: ogf

$$\frac{x^{11} - x^{10} + x^6 + x^5 + x + 1}{(x + 1)(x^4 - x^3 + x^2 - x + 1)(x - 1)^2}$$

Sequence: A356929
Score: 8.67562
Type of gen. func.: ogf

$$\frac{x^{11} - x^{10} + x^{6} + x^{5} + x + 1}{(x + 1)\,(x^{4} - x^{3} + x^{2} - x + 1)\,(x - 1)^{2}}$$

Sequence: A356944
Score: 3.19033
Type of gen. func.: ogf

$$(x^{2} + x + 1)\,(x^{2} - x + 1)\,(x^{24} - x^{20} + x^{18} - x^{14} + x^{12} + x^{7} + x^{6} + x + 1) \Big/ \Big((x^{2} + 1)\,(x^{24} - x^{22} + x^{20} - x^{18} + x^{16} - x^{14} + x^{12} + x^{9} + x^{8} + x^{5} + x^{4} + x + 1)\,(x - 1)^{2} \Big)$$

Sequence: A356944
Score: 3.29283
Type of gen. func.: ogf

$$(x^{2} + x + 1)\,(x^{2} - x + 1)\,(x^{24} - x^{20} + x^{18} - x^{14} + x^{12} + x^{7} + x^{6} + x + 1) \Big/ \Big((x^{2} + 1)\,(x^{24} - x^{22} + x^{20} - x^{18} + x^{16} - x^{14} + x^{12} + x^{9} + x^{8} + x^{5} + x^{4} + x + 1)\,(x - 1)^{2} \Big)$$

Sequence: A356964
Score: 5.24079
Type of gen. func.: ogf

$$- \frac{x\,(25 x^{32} - 44 x^{31} + 16 x^{24} - 15 x^{23} + 22 x^{16} - 17 x^{15} + 9 x^{8} - 8 x^{7} + 8)}{(19 x^{32} - x^{24} - 5 x^{16} - x^{8} - 8)\,(x - 1)^{2}}$$

Sequence: A356964
Score: 5.52217
Type of gen. func.: ogf

$$-\frac{x\,(25 x^{32} - 44 x^{31} + 16 x^{24} - 15 x^{23} + 22 x^{16} - 17 x^{15} + 9 x^{8} - 8 x^{7} + 8)}{(19 x^{32} - x^{24} - 5 x^{16} - x^{8} - 8)\,(x - 1)^{2}}$$

Sequence: A356976
Score: 11.739
Type of gen. func.: ogf

$$-\frac{162 x^{27} + 20 x^{14} + 22 x^{12} + 12 x^{9} + 8 x^{7} + 4 x^{6} + 8 x^{4} + 4 x^{3} + 2 x + 1}{x - 1}$$

Sequence: A356976
Score: 12.6688
Type of gen. func.: ogf

$$-\frac{162 x^{27} + 20 x^{14} + 22 x^{12} + 12 x^{9} + 8 x^{7} + 4 x^{6} + 8 x^{4} + 4 x^{3} + 2 x + 1}{x - 1}$$

Sequence: A357042
Score: 15.9537
Type of gen. func.: ogf

$$-\frac{5 x^{3} + 27 x^{2} + 15 x + 1}{(x - 1)^{5}}$$

Sequence: A357042
Score: 18.6692
Type of gen. func.: ogf

$$-\frac{5 x^{3} + 27 x^{2} + 15 x + 1}{}$$

$$(x - 1)^5$$

Sequence: A357042
Score: 5.04283
Type of gen. func.: ogf

$$\{a(n + 5) - 5 a(n + 4) + 10 a(n + 3) - 10 a(n + 2) + 5 a(n + 1) - a(n),$$
$$a(0) = 1, a(1) = 20, a(2) = 117, a(3) = 400, a(4) = 1025\}$$

Sequence: A357130
Score: 10.1124
Type of gen. func.: ogf

$$(1664 f(x) + 8523) (f(x) x^3 - f(x) x^2 - f(x) x - x^2 + f(x) + x - 4)$$

Sequence: A357130
Score: 11.3764
Type of gen. func.: ogf

$$\{a(n + 3) - a(n + 2) - a(n + 1) + a(n), a(0) = 4, a(1) = 3, a(2) = 8\}$$

Sequence: A357130
Score: 22.3235
Type of gen. func.: ogf

$$\frac{x^2 - x + 4}{(x + 1) (x - 1)^2}$$

Sequence: A357130
Score: 26.2922
Type of gen. func.: ogf

$$\frac{x^2 - x + 4}{(x + 1) (x - 1)^2}$$

Sequence: A357149
Score: 4.26268
Type of gen. func.: ogf

$$-(31 x^{35} + 31 x^{33} + 31 x^{31} + 31 x^{30} + 31 x^{29} + 31 x^{28} + 31 x^{27} + 31 x^{26} - 36 x^{23} - 6 x^{9} - 6 x^{7} - 6 x^{5} - 6 x^{4} - 6 x^{3} - 6 x^{2} - 6 x - 6) / ((x - 1) (31 x^{26} - 6))$$

Sequence: A357149
Score: 4.44701
Type of gen. func.: ogf

$$-(31 x^{35} + 31 x^{33} + 31 x^{31} + 31 x^{30} + 31 x^{29} + 31 x^{28} + 31 x^{27} + 31 x^{26} - 36 x^{23} - 6 x^{9} - 6 x^{7} - 6 x^{5} - 6 x^{4} - 6 x^{3} - 6 x^{2} - 6 x - 6) / ((x - 1) (31 x^{26} - 6))$$

Sequence: A357178
Score: 13.0035
Type of gen. func.: ogf

$$\frac{x (x^{4} + 20 x^{3} + 48 x^{2} + 20 x + 1)}{(x - 1)^{6}}$$

Sequence: A357178
Score: 14.8611
Type of gen. func.: ogf

$$\frac{x (x^{4} + 20 x^{3} + 48 x^{2} + 20 x + 1)}{(x - 1)^{6}}$$

Sequence: A357178

Score: 4.07952
Type of gen. func.: ogf

$$\{-a(n+6) + 6 a(n+5) - 15 a(n+4) + 20 a(n+3) - 15 a(n+2) + 6 a(n+1) - a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 26,\ a(3) = 189,\ a(4) = 784,\ a(5) = 2375\}$$

Sequence: A357179
Score: 29.1769
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{1}{x^2 + x - 1}$$

Sequence: A357242
Score: 16.1617
Type of gen. func.: egf]

$$\frac{8 (7 x^2 - 9 x - 3)}{(x - 1)^7}$$

Sequence: A357242
Score: 19.6561
Type of gen. func.: egf]

$$\frac{8 (7 x^2 - 9 x - 3)}{(x - 1)^7}$$

Sequence: A357257
Score: 4.72971
Type of gen. func.: egf]

$$40 (x^9 - 9 x^8 + 36 x^7 - 84 x^6 + 126 x^5 - 126 x^4 + 108 x^3 + 108 x^2 - 162 x - 54) / (9 (x - 1)^9)$$

Sequence: A357281
Score: 11.877
Type of gen. func.: ogf

$$-\frac{7 x^4 + 40 x^3 + 44 x^2 + 4 x + 1}{(x - 1)^5}$$

Sequence: A357281
Score: 13.6046
Type of gen. func.: ogf

$$-\frac{7 x^4 + 40 x^3 + 44 x^2 + 4 x + 1}{(x - 1)^5}$$

Sequence: A357281
Score: 4.35031
Type of gen. func.: ogf

$$\{a(n + 5) - 5 a(n + 4) + 10 a(n + 3) - 10 a(n + 2) + 5 a(n + 1) - a(n),$$

$$a(0) = 1, a(1) = 9, a(2) = 79, a(3) = 355, a(4) = 1077\}$$

Sequence: A357282
Score: 11.2844
Type of gen. func.: ogf

$$-\frac{x^2 (3 x^2 - 1)}{(x + 1) (2 x - 1) (x - 1)^3}$$

Sequence: A357282
Score: 12.7643
Type of gen. func.: ogf

$$-\frac{x^2 (3 x^2 - 1)}{(x + 1) (2 x - 1) (x - 1)^3}$$

Sequence: A357282
Score: 4.8063
Type of gen. func.: ogf

$$\{a(n + 5) - 4 a(n + 4) + 4 a(n + 3) + 2 a(n + 2) - 5 a(n + 1) + 2 a(n),$$
$$a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 4, a(4) = 9\}$$

Sequence: A357283
Score: 13.3631
Type of gen. func.: ogf

$$\frac{2 x^4}{(2 x - 1) (2 x^2 - 1) (x - 1)^2}$$

Sequence: A357283
Score: 15.5448
Type of gen. func.: ogf

$$\frac{2 x^4}{(2 x - 1) (2 x^2 - 1) (x - 1)^2}$$

Sequence: A357283
Score: 4.73102
Type of gen. func.: ogf

$$\{a(n + 5) - 4 a(n + 4) + 3 a(n + 3) + 6 a(n + 2) - 10 a(n + 1) + 4 a(n),$$
$$a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 2\}$$

Sequence: A357283
Score: 6.45503
Type of gen. func.: ogf

$$-4 f(x) x^5 + 10 f(x) x^4 - 6 f(x) x^3 + 2 x^4 - 3 f(x) x^2 + 4 f(x) x - f(x)$$

Sequence: A357284
Score: 14.691
Type of gen. func.: ogf

$$\frac{x^4}{(2x-1)(2x^2-1)(x-1)^2}$$

Sequence: A357284
Score: 17.3027
Type of gen. func.: ogf

$$\frac{x^4}{(2x-1)(2x^2-1)(x-1)^2}$$

Sequence: A357284
Score: 4.83616
Type of gen. func.: ogf

$\{a(n+5) - 4a(n+4) + 3a(n+3) + 6a(n+2) - 10a(n+1) + 4a(n),$

$a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 1\}$

Sequence: A357284
Score: 6.59849
Type of gen. func.: ogf

$$-4 f(x) x^5 + 10 f(x) x^4 - 6 f(x) x^3 + x^4 - 3 f(x) x^2 + 4 f(x) x - f(x)$$

Sequence: A357285
Score: 10.7147
Type of gen. func.: ogf

$$-\frac{8x^7}{(2x-1)(2x^2-1)(4x^3-1)(x-1)^2}$$

Sequence: A357285
Score: 12.0335
Type of gen. func.: ogf

$$-\frac{8 x^{7}}{(2 x - 1) (2 x^{2} - 1) (4 x^{3} - 1) (x - 1)^{2}}$$

Sequence: A357286
Score: 10.7338
Type of gen. func.: ogf

$$-\frac{x^{7}}{(2 x - 1) (2 x^{2} - 1) (4 x^{3} - 1) (x - 1)^{2}}$$

Sequence: A357286
Score: 12.0549
Type of gen. func.: ogf

$$-\frac{x^{7}}{(2 x - 1) (2 x^{2} - 1) (4 x^{3} - 1) (x - 1)^{2}}$$

Sequence: A357287
Score: 12.7324
Type of gen. func.: ogf

$$\frac{4 x^{6}}{(2 x^{2} - 1) (4 x^{3} - 1) (x - 1)^{2}}$$

Sequence: A357287
Score: 14.6542
Type of gen. func.: ogf

$$\frac{4 x^{6}}{(2 x^{2} - 1) (4 x^{3} - 1) (x - 1)^{2}}$$

Sequence: A357288
Score: 13.1376
Type of gen. func.: ogf

$$\frac{x^{6}}{(2 x^{2} - 1) (4 x^{3} - 1) (x - 1)^{2}}$$

Sequence: A357288
Score: 15.2825
Type of gen. func.: ogf

$$\frac{x^{6}}{(2 x^{2} - 1) (4 x^{3} - 1) (x - 1)^{2}}$$

Sequence: A357289
Score: 10.8062
Type of gen. func.: ogf

$$\frac{x^{3} (4 x^{4} + 4 x^{3} - 2 x^{2} - 2 x - 1)}{(2 x^{2} - 1) (4 x^{3} - 1) (x - 1)^{3}}$$

Sequence: A357289
Score: 9.87668
Type of gen. func.: ogf

$$\frac{x^{3} (4 x^{4} + 4 x^{3} - 2 x^{2} - 2 x - 1)}{(2 x^{2} - 1) (4 x^{3} - 1) (x - 1)^{3}}$$

Sequence: A357290
Score: 7.85251
Type of gen. func.: ogf

3   3   2

$$\frac{x\ (x + x + 2 x + 1)}{(x + 1) (2 x - 1) (x^2 + x + 1) (x - 1)^3}$$

Sequence: A357290
Score: 8.55836
Type of gen. func.: ogf

$$\frac{x^3 (x^3 + x^2 + 2 x + 1)}{(x + 1) (2 x - 1) (x^2 + x + 1) (x - 1)^3}$$

Sequence: A357291
Score: 10.9374
Type of gen. func.: ogf

$$\frac{x^6}{(x + 1) (2 x - 1) (x^2 + x + 1) (x - 1)^3}$$

Sequence: A357291
Score: 12.3718
Type of gen. func.: ogf

$$\frac{x^6}{(x + 1) (2 x - 1) (x^2 + x + 1) (x - 1)^3}$$

Sequence: A357292
Score: 10.437
Type of gen. func.: ogf

$$- \frac{x^5}{(x + 1) (2 x - 1) (x^2 + x + 1) (x - 1)^2}$$

Sequence: A357292
Score: 11.7216

Type of gen. func.: ogf

$$-\frac{x^{5}}{(x + 1)\ (2\ x - 1)\ (x^{2} + x + 1)\ (x - 1)^{2}}$$

Sequence: A357292
Score: 4.03124
Type of gen. func.: ogf

$$\{a(n + 6) - 2\ a(n + 5) - a(n + 4) + a(n + 3) + 2\ a(n + 2) + a(n + 1) - 2\ a(n),$$
$$a(0) = 0,\ a(1) = 0,\ a(2) = 0,\ a(3) = 0,\ a(4) = 0,\ a(5) = 1\}$$

Sequence: A357307
Score: 12.8999
Type of gen. func.: ogf

$$f(x)^{2}\ x^{3} + f(x)\ x + x^{2} - f(x) - x + 1$$

Sequence: A357308
Score: 14.7433
Type of gen. func.: ogf

$$-f(x)^{2}\ x^{3} - f(x)\ x - x^{2} + f(x)$$

Sequence: A357384
Score: 6.52516
Type of gen. func.: ogf

$$\frac{x^{18} + x^{7} - 1}{x^{22} - x^{21} - x^{19} - x^{18} - x^{14} + 2\ x^{11} - x^{10} - x^{8} + 2\ x^{7} - x^{4} + x^{3} + x - 1}$$

Sequence: A357384
Score: 6.91765
Type of gen. func.: ogf

18   7

```
                                 x   + x  - 1
    -----------------------------------------------------------------------
     22    21    19    18    14      11    10    8      7    4    3
    x   - x   - x   - x   - x   + 2 x   - x   - x  + 2 x  - x  + x  + x - 1



------------------------------------------------------------------------------

Sequence:  A357451
Score: 3.42087
Type of gen. func.: ogf


  4    3    2            13    12    10    9    8    7    5    4    3
(x  - x  + x  - x + 1) (x   + x   - x   - x  - x  - x  + x  + x  + x  - x - 1)

       /   17    15    14      13    8    7    6    5    3    2
      /  (x   + x   - x   + 2 x   + x  + x  - x  - x  + x  + x  + x - 1)
     /



------------------------------------------------------------------------------

Sequence:  A357451
Score: 3.54526
Type of gen. func.: ogf


  4    3    2            13    12    10    9    8    7    5    4    3
(x  - x  + x  - x + 1) (x   + x   - x   - x  - x  - x  + x  + x  + x  - x - 1)

       /   17    15    14      13    8    7    6    5    3    2
      /  (x   + x   - x   + 2 x   + x  + x  - x  - x  + x  + x  + x - 1)
     /



------------------------------------------------------------------------------

Sequence:  A357453
Score: 3.48079
Type of gen. func.: ogf


  18    16    15    14    11    9    8    4    2            /     18      17
(x   - x   + x   - x   - x   + x  - x  - x  + x  - x + 1)  /  (3 x   - 2 x
                                                          /

        16      15    14      12      11    10      9    8      5      4    2
     + x   + 2 x   - x   + 3 x   - 2 x   - x   + 3 x  - x  + 2 x  - 3 x  + x

     - 2 x + 1)



------------------------------------------------------------------------------

Sequence:  A357453
Score: 3.61092
Type of gen. func.: ogf


  18    16    15    14    11    9    8    4    2            /     18      17
(x   - x   + x   - x   - x   + x  - x  - x  + x  - x + 1)  /  (3 x   - 2 x
                                                          /

        16      15    14      12      11    10      9    8      5      4    2
     + x   + 2 x   - x   + 3 x   - 2 x   - x   + 3 x  - x  + 2 x  - 3 x  + x
```

$- 2 x + 1)$

Sequence: A357455
Score: 4.28852
Type of gen. func.: ogf

$$(x^{19} - x^{17} - 2 x^{15} - x^{11} + x^{9} + x^{7} - x^{4} + x^{2} + 2) / (5 x^{19} - 2 x^{15} + 2 x^{12} - 3 x^{11} - 2 x^{10} - 2 x^{8} + x^{7} + x^{5} - 4 x^{4} - x^{3} - x^{2} - 2 x + 2)$$

Sequence: A357455
Score: 4.47703
Type of gen. func.: ogf

$$(x^{19} - x^{17} - 2 x^{15} - x^{11} + x^{9} + x^{7} - x^{4} + x^{2} + 2) / (5 x^{19} - 2 x^{15} + 2 x^{12} - 3 x^{11} - 2 x^{10} - 2 x^{8} + x^{7} + x^{5} - 4 x^{4} - x^{3} - x^{2} - 2 x + 2)$$

Sequence: A357475
Score: 8.88087
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{(x - 1) (x + 1) (x^{2} - x + 1)}{(x^{2} + x - 1) (x^{4} + x^{2} - 1)}$$

Sequence: A357479
Score: 3.29591
Type of gen. func.: ogf

$$\{-a(n + 1) n^{2} + a(n + 2) n^{2} - 5 a(n + 1) n - a(n + 3) n + 4 a(n + 2) n - 6 a(n + 1) + 3 a(n + 2), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 1\}$$

Sequence: A357480
Score: 3.30461
Type of gen. func.: ogf

$\{a(n+1)n^2 - a(n+2)n^2 + 5a(n+1)n + a(n+3)n - 3a(n+2)n$

$+ 6a(n+1) - a(n+3), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 1\}$

Sequence: A357484
Score: 10.5758
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{(2x - 1)(2x^3 - 9x^2 + 11x - 1)}$$

Sequence: A357484
Score: 4.88116
Type of gen. func.: ogf

$\{-a(n+4) + 13a(n+3) - 31a(n+2) + 20a(n+1) - 4a(n), a(0) = 1,$

$a(1) = 14, a(2) = 150, a(3) = 1536\}$

Sequence: A357484
Score: 4.98575
Type of gen. func.: ogf

$-(977 f(x) - 411)$

$(4 f(x) x^4 - 20 f(x) x^3 + 31 f(x) x^2 - 13 f(x) x + x^2 + f(x) - x - 1)$

Sequence: A357484
Score: 9.43251
Type of gen. func.: ogf

$$-\frac{x^2 - x - 1}{(2x - 1)(2x^3 - 9x^2 + 11x - 1)}$$

Sequence: A357553
Score: 7.56838
Type of gen. func.: ogf

$$-\frac{x^2 (x^6 + 2 x^5 + 3 x^4 + 7 x^3 + 3 x^2 + 2 x + 2)}{(x + 1) (x^2 + x - 1) (x^4 + 3 x^2 + 1)}$$

Sequence: A357553
Score: 8.08588
Type of gen. func.: ogf

$$-\frac{x^2 (x^6 + 2 x^5 + 3 x^4 + 7 x^3 + 3 x^2 + 2 x + 2)}{(x + 1) (x^2 + x - 1) (x^4 + 3 x^2 + 1)}$$

Sequence: A357570
Score: 4.0845
Type of gen. func.: ogf

{a(n + 2) n - a(n + 1) n + 9 a(n + 6) - 4 a(n + 5) + 7 a(n + 2) - 6 a(n + 1)

- 5 a(n + 7), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1, a(4) = 1, a(5) = 2,

a(6) = 3}

Sequence: A357599
Score: 10.5095
Type of gen. func.: egf]

$$\frac{x (x + 2) (x^2 + 2 x + 2)}{4 (x + 1)^2}$$

Sequence: A357599
Score: 11.9846
Type of gen. func.: egf]

$$\frac{x (x + 2) (x^2 + 2 x + 2)}{4 (x + 1)^2}$$

Sequence: A357599
Score: 8.23037
Type of gen. func.: egf]

$$-x^{4} + 4 f(x) x^{2} - 4 x^{3} + 8 f(x) x - 6 x^{2} + 4 f(x) - 4 x$$

Sequence: A357654
Score: 8.81543
Type of gen. func.: ogf

$$-f(x)^{2} x^{4} - f(x)^{2} x^{3} + f(x)^{2} x^{2} - 2 f(x) x^{2} + f(x) - 1$$

Sequence: A357693
Score: 15.6775
Type of gen. func.: egf]

$$\cos(2^{1/2} \ln(x + 1))$$

Sequence: A357703
Score: 4.52545
Type of gen. func.: egf]

$$\frac{(x - 1)^{(3^{1/2})} (-1)^{(-3^{1/2})} + (x - 1)^{(-3^{1/2})} (-1)^{(3^{1/2})}}{2 (-1)^{(3^{1/2})} (-1)^{(-3^{1/2})}}$$

Sequence: A357711
Score: 10.8424
Type of gen. func.: egf]

$$\frac{x^{4} - 4 x^{3} + 6 x^{2} - 4 x + 2}{2 (x - 1)^{2}}$$

Sequence: A357711
Score: 12.3642
Type of gen. func.: egf]

$$\frac{x^4 - 4x^3 + 6x^2 - 4x + 2}{2(x-1)^2}$$

Sequence: A357711
Score: 6.23679
Type of gen. func.: egf]

$$-(f(x) + 3)(-x^4 + 2 f(x) x^2 + 4 x^3 - 4 f(x) x - 6 x^2 + 2 f(x) + 4 x - 2)$$

Sequence: A357718
Score: 14.3312
Type of gen. func.: egf]

$$\cos(3^{1/2} \ln(x + 1))$$

Sequence: A357719
Score: 17.8594
Type of gen. func.: egf]

$$\cos(2 \ln(x + 1))$$

Sequence: A357723
Score: 12.1938
Type of gen. func.: ogf

$$\frac{x^3 (3x^3 - 11x^2 - 11x - 5)}{(x + 1)^3 (x - 1)^5}$$

Sequence: A357723
Score: 13.8472
Type of gen. func.: ogf

$$\frac{x^3 (3x^3 - 11x^2 - 11x - 5)}{^{3}\ ^{5}}$$

$$(x + 1) \quad (x - 1)$$

Sequence: A357733
Score: 5.13165
Type of gen. func.: ogf

$$\frac{(x + 1) (x^6 + x^5 + 77 x^4 - 194 x^3 + 77 x^2 + x + 1)}{(x^2 - 4 x + 1) (x^2 + 4 x + 1) (x^2 - 14 x + 1) (x^2 + 14 x + 1)}$$

Sequence: A357733
Score: 5.40352
Type of gen. func.: ogf

$$\frac{(x + 1) (x^6 + x^5 + 77 x^4 - 194 x^3 + 77 x^2 + x + 1)}{(x^2 - 4 x + 1) (x^2 + 4 x + 1) (x^2 - 14 x + 1) (x^2 + 14 x + 1)}$$

Sequence: A357740
Score: 10.4957
Type of gen. func.: ogf

$$\frac{x^2 (2 x^5 + 5 x^4 + 2 x^3 - 44 x^2 - 44 x - 17)}{(x + 1)^3 (x - 1)^5}$$

Sequence: A357740
Score: 11.6006
Type of gen. func.: ogf

$$\frac{x^2 (2 x^5 + 5 x^4 + 2 x^3 - 44 x^2 - 44 x - 17)}{(x + 1)^3 (x - 1)^5}$$

Sequence: A357745
Score: 10.236
Type of gen. func.: ogf

$$-\frac{x^{9} - x^{8} + 1}{(x + 1) (x^{2} + 1) (x^{4} + 1) (x - 1)^{3}}$$

Sequence: A357745
Score: 9.35547
Type of gen. func.: ogf

$$-\frac{x^{9} - x^{8} + 1}{(x + 1) (x^{2} + 1) (x^{4} + 1) (x - 1)^{3}}$$

Sequence: A357770
Score: 5.36757
Type of gen. func.: ogf

$$1/2 \operatorname{HeunG}(1/9, 1/3, 1, 1, 1, 1, 2 x) + 1/2$$

Sequence: A357771
Score: 8.87989
Type of gen. func.: ogf

$$\operatorname{HeunG}(1/9, 1/3, 1, 1, 1, 1, 2 x)$$

Sequence: A357778
Score: 11.2871
Type of gen. func.: ogf

$$\frac{x (x^{4} + x^{3} + x^{2} + x + 1)}{(x - 1)^{2}}$$

Sequence: A357778
Score: 12.9909
Type of gen. func.: ogf

$$\frac{x (x^{4} + x^{3} + x^{2} + x + 1)}{{}^{2}}$$

```
                                    (x - 1)
```

Sequence: A357778
Score: 5.25585
Type of gen. func.: ogf

{-a(n + 6) + 2 a(n + 5) - a(n + 4), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 6,

    a(4) = 10, a(5) = 15}

Sequence: A357779
Score: 10.0919
Type of gen. func.: ogf

```
                                  2            2
                      x (x + 1) (x  + x + 1) (x  - x + 1)
                      -----------------------------------
                                             2
                                   (x - 1)
```

Sequence: A357779
Score: 4.8357
Type of gen. func.: ogf

{a(n + 7) - 2 a(n + 6) + a(n + 5), a(0) = 0, a(1) = 1, a(2) = 3, a(3) = 6,

    a(4) = 10, a(5) = 15, a(6) = 21}

Sequence: A357779
Score: 9.04338
Type of gen. func.: ogf

```
                                  2            2
                      x (x + 1) (x  + x + 1) (x  - x + 1)
                      -----------------------------------
                                             2
                                   (x - 1)
```

Sequence: A357815
Score: 5.3839
Type of gen. func.: ogf

```
                   17    13    9    8    7    5    3    2
               x (x   - x   - x  - x  + x  + x  + x  - x  - x - 1)
             - ---------------------------------------------------
                                2                 2
```

$$(x \quad + x + 1) (x - 1)$$

Sequence: A357815
Score: 5.74584
Type of gen. func.: ogf

$$- \frac{x (x^{17} - x^{13} - x^{9} - x^{8} + x^{7} + x^{5} + x^{3} - x^{2} - x - 1)}{(x^{2} + x + 1) (x - 1)^{2}}$$

Sequence: A357827
Score: 5.1453
Type of gen. func.: egf]

$$\frac{2 (1920 x^{5} - 2880 x^{4} + 1432 x^{3} - 228 x^{2} - 6 x - 1)}{(2 x - 1)^{3}}$$

Sequence: A357827
Score: 5.71699
Type of gen. func.: egf]

$$\frac{2 (1920 x^{5} - 2880 x^{4} + 1432 x^{3} - 228 x^{2} - 6 x - 1)}{(2 x - 1)^{3}}$$

Sequence: A357834
Score: 5.51161
Type of gen. func.: egf]

$$1/3 \frac{x (x + 1)^{1/2} + (x + 1)^{1/2} + 2 \cos(1/2\ 3^{1/2} \ln(x + 1))}{(x + 1)^{1/2}}$$

Sequence: A357835
Score: 3.62175
Type of gen. func.: egf]

$$1/3 \left(x (x+1)^{1/2} + \sin(1/2\, 3^{1/2} \ln(x+1))\, 3^{1/2} + (x+1)^{1/2} - \cos(1/2\, 3^{1/2} \ln(x+1))\right) / (x+1)^{1/2}$$

Sequence: A357836
Score: 3.60498
Type of gen. func.: egf]

$$1/3 \left(x (x+1)^{1/2} - \sin(1/2\, 3^{1/2} \ln(x+1))\, 3^{1/2} + (x+1)^{1/2} - \cos(1/2\, 3^{1/2} \ln(x+1))\right) / (x+1)^{1/2}$$

Sequence: A357837
Score: 10.9232
Type of gen. func.: ogf

$$\frac{2 x (x^3 - 2 x^2 - x - 2)}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A357837
Score: 12.1896
Type of gen. func.: ogf

$$\frac{2 x (x^3 - 2 x^2 - x - 2)}{(x^2 + x + 1) (x - 1)^3}$$

Sequence: A357837
Score: 5.06678
Type of gen. func.: ogf

{-a(n + 5) + 2 a(n + 4) - a(n + 3) + a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0,

a(1) = 4, a(2) = 10, a(3) = 20, a(4) = 32}

Sequence: A357849

Score: 4.03939
Type of gen. func.: ogf

$$x^8 (x + 1) (x^2 - x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A357849
Score: 4.22948
Type of gen. func.: ogf

$$x^8 (x + 1) (x^2 - x + 1) / ((x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2)$$

Sequence: A357866
Score: 7.31304
Type of gen. func.: ogf

$$\frac{x^2 (2 x^5 + x^4 + x^2 + 1)}{(x^2 + x + 1) (x^2 - x + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A357866
Score: 7.89229
Type of gen. func.: ogf

$$\frac{x^2 (2 x^5 + x^4 + x^2 + 1)}{(x^2 + x + 1) (x^2 - x + 1) (x - 1)^2 (x + 1)^2}$$

Sequence: A357911
Score: 2.91795
Type of gen. func.: ogf

$$- (x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^{23} + x^{22} - 1) (x^4 - x^2 + 1) (x - 1)^2 / (x^{34} - x^{22} + 1)$$

/

Sequence: A357911
Score: 3.06295
Type of gen. func.: ogf

$$- (x + 1) (x^2 + 1) (x^2 + x + 1) (x^2 - x + 1) (x^{23} + x^{22} - 1) (x^4 - x^2 + 1) (x - 1)^2 / (x^{34} - x^{22} + 1)$$

Sequence: A357911
Score: 4.65221
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{1}{(x - 1) (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}$$

Sequence: A357946
Score: 13.4713
Type of gen. func.: ogf

$$\frac{2 x^4 - 2 x^3 - 5 x - 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A357946
Score: 15.5047
Type of gen. func.: ogf

$$\frac{2 x^4 - 2 x^3 - 5 x - 1}{(x + 1)^2 (x - 1)^3}$$

Sequence: A357946
Score: 4.95031
Type of gen. func.: ogf

$\{a(n+5) - a(n+4) - 2\,a(n+3) + 2\,a(n+2) + a(n+1) - a(n),\ a(0) = 1,$
$a(1) = 6,\ a(2) = 8,\ a(3) = 20,\ a(4) = 21\}$

Sequence: A358012
Score: 6.03133
Type of gen. func.: ogf

$\{a(n+6) - a(n+5) - a(n+1) + a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 2,\ a(3) = 3,$
$a(4) = 4,\ a(5) = 1\}$

Sequence: A358012
Score: 8.30054
Type of gen. func.: ogf

$$-\frac{x\,(3\,x^4 - x^3 - x^2 - x - 1)}{(x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A358012
Score: 9.01456
Type of gen. func.: ogf

$$-\frac{x\,(3\,x^4 - x^3 - x^2 - x - 1)}{(x^4 + x^3 + x^2 + x + 1)\,(x - 1)^2}$$

Sequence: A358027
Score: 4.67052
Type of gen. func.: ogf

$\{a(n+5) - a(n+4) - 3\,a(n+3) + 3\,a(n+2),\ a(0) = 1,\ a(1) = 2,\ a(2) = 3,$
$a(3) = 6,\ a(4) = 11\}$

Sequence: A358027
Score: 5.16017
Type of gen. func.: ogf

$$-(26\,f(x) - 5)\,(3\,f(x)\,x^3 - 2\,x^4 - 3\,f(x)\,x^2 - f(x)\,x + 2\,x^2 + f(x) - x - 1)$$

Sequence: A358027
Score: 8.76522
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x^3 - 2 x^2 + 1)}{(x - 1) (3 x^2 - 1)}$$

Sequence: A358027
Score: 9.84401
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x^3 - 2 x^2 + 1)}{(x - 1) (3 x^2 - 1)}$$

Sequence: A358033
Score: 10.2671
Type of gen. func.: ogf

$$- \frac{2 x^6 + 9 x^5 + 6 x^4 + 5 x^3 + 4 x^2 + 3 x + 2}{5 x^6 - 1}$$

Sequence: A358033
Score: 11.3922
Type of gen. func.: ogf

$$- \frac{2 x^6 + 9 x^5 + 6 x^4 + 5 x^3 + 4 x^2 + 3 x + 2}{5 x^6 - 1}$$

Sequence: A358033
Score: 6.65306
Type of gen. func.: ogf

$\{a(n + 7) - 5 a(n + 1), a(0) = 2, a(1) = 3, a(2) = 4, a(3) = 5, a(4) = 6,$

$$a(5) = 9, a(6) = 12\}$$

Sequence: A358035
Score: 16.1197
Type of gen. func.: ogf

$$\frac{3 x^3 - 9 x^2 + 17 x + 5}{(x - 1)^4}$$

Sequence: A358035
Score: 19.1901
Type of gen. func.: ogf

$$\frac{3 x^3 - 9 x^2 + 17 x + 5}{(x - 1)^4}$$

Sequence: A358035
Score: 5.55851
Type of gen. func.: ogf

$$(2612 f(x) + 18415) (f(x) x^4 - 4 f(x) x^3 + 6 f(x) x^2 - 3 x^3 - 4 f(x) x + 9 x^2 + f(x) - 17 x - 5)$$

Sequence: A358035
Score: 5.79844
Type of gen. func.: ogf

$$\{-a(n + 4) + 4 a(n + 3) - 6 a(n + 2) + 4 a(n + 1) - a(n), a(0) = 5, a(1) = 37, a(2) = 109, a(3) = 237\}$$

Sequence: A358038
Score: 8.66295
Type of gen. func.: ogf

$$x^{29} - x^{28} + x^{25} - x^{24} + x^{15} - x^{14} + x^8 - x^7 - 1$$

$$\frac{}{(x - 1)^{3}}$$

Sequence: A358042
Score: 11.6559
Type of gen. func.: ogf

$$\frac{x (x + 1) (x^{2} + 1)}{(x^{2} + x + 1) (x - 1)^{4}}$$

Sequence: A358042
Score: 13.0905
Type of gen. func.: ogf

$$\frac{x (x + 1) (x^{2} + 1)}{(x^{2} + x + 1) (x - 1)^{4}}$$

Sequence: A358042
Score: 4.34124
Type of gen. func.: ogf

$$\{-a(n + 6) + 3 a(n + 5) - 3 a(n + 4) + 2 a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 10, a(4) = 21, a(5) = 38\}$$

Sequence: A358053
Score: 10.1758
Type of gen. func.: ogf

$$(28 f(x) + 365) (f(x) x^{2} - 2 f(x) x + f(x) - x - 13)$$

Sequence: A358053
Score: 11.9164
Type of gen. func.: ogf

$$\{-a(n + 2) + 2 a(n + 1) - a(n), a(0) = 13, a(1) = 27\}$$

Sequence: A358053
Score: 26.6366
Type of gen. func.: ogf

$$\frac{x + 13}{(x - 1)^{2}}$$

Sequence: A358053
Score: 34.8324
Type of gen. func.: ogf

$$\frac{x + 13}{(x - 1)^{2}}$$

Sequence: A358064
Score: 3.76781
Type of gen. func.: egf]

$$(x^{10} - 25 x^{8} + 300 x^{6} - 2100 x^{4} + 8400 x^{2} - 15120) \Big/ (x^{10} + 5 x^{9} - 25 x^{8} + 120 x^{7} + 300 x^{6} + 1260 x^{5} - 2100 x^{4} + 6720 x^{3} + 8400 x^{2} + 15120 x - 15120)$$

Sequence: A358064
Score: 3.94204
Type of gen. func.: egf]

$$(x^{10} - 25 x^{8} + 300 x^{6} - 2100 x^{4} + 8400 x^{2} - 15120) \Big/ (x^{10} + 5 x^{9} - 25 x^{8} + 120 x^{7} + 300 x^{6} + 1260 x^{5} - 2100 x^{4} + 6720 x^{3} + 8400 x^{2} + 15120 x - 15120)$$

Sequence: A358065
Score: 5.79528
Type of gen. func.: egf]

$$\frac{x^{9} - 12 x^{6} + 60 x^{3} - 120}{x^{10} + x^{9} + 12 x^{7} - 12 x^{6} + 60 x^{4} + 60 x^{3} + 120 x - 120}$$

Sequence: A358065
Score: 6.23265
Type of gen. func.: egf]

$$\frac{x^{9} - 12 x^{6} + 60 x^{3} - 120}{x^{10} + x^{9} + 12 x^{7} - 12 x^{6} + 60 x^{4} + 60 x^{3} + 120 x - 120}$$

Sequence: A358092
Score: 7.06238
Type of gen. func.: ogf

$$4 f(x)^{2} x^{2} + 2 f(x)^{2} x - 4 f(x) x^{2} - f(x)^{2} - f(x) x + x^{2} + f(x)$$

Sequence: A358092
Score: 8.22731
Type of gen. func.: ogf

$$- \frac{-4 x^{2} + (-(x + 1) (3 x - 1))^{1/2} - x + 1}{2 (4 x^{2} + 2 x - 1)}$$

Sequence: A358108
Score: 9.24158
Type of gen. func.: ogf

$$- \frac{\mathrm{LegendreP}\left(-1/2, \frac{48 x - 1}{-1 + 16 x}\right)}{-1 + 16 x}$$

Sequence: A358109
Score: 10.1644
Type of gen. func.: egf]

$$\mathrm{hypergeom}([-1/2, -1/2], [1, 1], 16 x) \exp(16 x)$$

Sequence: A358113
Score: 10.7812
Type of gen. func.: ogf

$$\frac{-I \,\mathrm{LegendreP}(1/2, -32 x + 1)}{(-1 + 16 x)^{3/2}}$$

Sequence: A358114
Score: 10.9922
Type of gen. func.: ogf

$$-512 f(x)^2 x^2 + 48 f(x)^2 x - f(x)^2 + 1$$

Sequence: A358114
Score: 16.8717
Type of gen. func.: ogf

$$\frac{1}{((32 x - 1) (-1 + 16 x))^{1/2}}$$

Sequence: A358114
Score: 3.96439
Type of gen. func.: ogf

$$\{-a(n + 3) n + 48 a(n + 2) n - 512 a(n + 1) n - 3 a(n + 3) + 120 a(n + 2)$$

$$- 1024 a(n + 1), a(0) = 1, a(1) = 24, a(2) = 608\}$$

Sequence: A358115
Score: 10.1662
Type of gen. func.: ogf

$$\frac{\mathrm{LegendreP}(-1/4, -128 x + 1)^2 I}{(64 x - 1)^{1/2}}$$

Sequence: A358117
Score: 7.16252
Type of gen. func.: ogf

$$-\frac{\mathrm{hypergeom}\left([-1/2, -1/2, -1/2], [1, 1], \frac{64 x}{64 x - 1}\right)}{64 x - 1}$$

Sequence: A358185
Score: 13.1326
Type of gen. func.: egf]

$$(\mathrm{Pi} + \ln(x - 1)\, I)\,(x - 1)\, I$$

Sequence: A358185
Score: 4.76883
Type of gen. func.: ogf

$$\{-a(n + 2)\, n^2 + a(n + 1)\, n^2 + a(n + 3)\, n - 4\, a(n + 2)\, n + 2\, a(n + 3) - 2\, a(n + 2),\ a(0) = 0,\ a(1) = -1,\ a(2) = 1\}$$

Sequence: A358241
Score: 11.8873
Type of gen. func.: ogf

$$\frac{(x^2 + 1)\,(x^7 - x^5 + x^2 - 2 x - 1)}{x - 1}$$

Sequence: A358241
Score: 13.3503
Type of gen. func.: ogf

$$\frac{(x^2 + 1)\,(x^7 - x^5 + x^2 - 2 x - 1)}{x - 1}$$

Sequence: A358243
Score: 10.8214
Type of gen. func.: ogf

$$\frac{x^5 + x^4 + 3 x^3 + 4 x^2 + 3 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A358243
Score: 12.0761
Type of gen. func.: ogf

$$\frac{x^5 + x^4 + 3 x^3 + 4 x^2 + 3 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A358243
Score: 5.5182
Type of gen. func.: ogf

{a(n + 6) - a(n + 5) - a(n + 4) + a(n + 3), a(0) = 1, a(1) = 4, a(2) = 9,

a(3) = 15, a(4) = 21, a(5) = 28}

Sequence: A358244
Score: 8.9216
Type of gen. func.: ogf

$$\frac{x^7 + x^6 + 3 x^5 + 4 x^4 + 9 x^3 + 6 x^2 + 5 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A358244
Score: 9.76128
Type of gen. func.: ogf

$$\frac{x^7 + x^6 + 3 x^5 + 4 x^4 + 9 x^3 + 6 x^2 + 5 x + 1}{(x + 1) (x - 1)^2}$$

Sequence: A358245
Score: 8.01344
Type of gen. func.: ogf

$$\frac{(x^{7} + 2 x^{5} + 2 x^{4} + 5 x^{3} + 5 x^{2} + 4 x + 1) (x^{2} + x + 1)}{(x + 1) (x - 1)^{2}}$$

Sequence: A358245
Score: 8.67434
Type of gen. func.: ogf

$$\frac{(x^{7} + 2 x^{5} + 2 x^{4} + 5 x^{3} + 5 x^{2} + 4 x + 1) (x^{2} + x + 1)}{(x + 1) (x - 1)^{2}}$$

Sequence: A358246
Score: 6.33469
Type of gen. func.: ogf

$$(x^{11} + x^{10} + 3 x^{9} + 4 x^{8} + 9 x^{7} + 12 x^{6} + 23 x^{5} + 22 x^{4} + 25 x^{3} + 14 x^{2} + 7 x + 1) / ((x + 1) (x - 1)^{2})$$

Sequence: A358246
Score: 6.74338
Type of gen. func.: ogf

$$(x^{11} + x^{10} + 3 x^{9} + 4 x^{8} + 9 x^{7} + 12 x^{6} + 23 x^{5} + 22 x^{4} + 25 x^{3} + 14 x^{2} + 7 x + 1) / ((x + 1) (x - 1)^{2})$$

Sequence: A358247
Score: 5.23416
Type of gen. func.: ogf

$$(x^{13} + x^{12} + 3 x^{11} + 4 x^{10} + 9 x^{9} + 12 x^{8} + 23 x^{7} + 31 x^{6} + 42 x^{5} + 41 x^{4} + 36 x^{3} + 19 x^{2} + 7 x + 1) / ((x + 1) (x - 1)^{2})$$

Sequence: A358247
Score: 5.52495
Type of gen. func.: ogf

$$(x^{13} + x^{12} + 3 x^{11} + 4 x^{10} + 9 x^{9} + 12 x^{8} + 23 x^{7} + 31 x^{6} + 42 x^{5} + 41 x^{4} + 36 x^{3} + 19 x^{2} + 7 x + 1) / ((x + 1) (x - 1)^{2})$$

Sequence: A358248
Score: 4.87484
Type of gen. func.: ogf

$$(x^{15} + x^{14} + 3 x^{13} + 4 x^{12} + 9 x^{11} + 12 x^{10} + 23 x^{9} + 31 x^{8} + 54 x^{7} + 61 x^{6} + 78 x^{5} + 66 x^{4} + 55 x^{3} + 24 x^{2} + 9 x + 1) / ((x + 1) (x - 1)^{2})$$

Sequence: A358248
Score: 5.11264
Type of gen. func.: ogf

$$(x^{15} + x^{14} + 3 x^{13} + 4 x^{12} + 9 x^{11} + 12 x^{10} + 23 x^{9} + 31 x^{8} + 54 x^{7} + 61 x^{6} + 78 x^{5} + 66 x^{4} + 55 x^{3} + 24 x^{2} + 9 x + 1) / ((x + 1) (x - 1)^{2})$$

Sequence: A358249
Score: 4.20257
Type of gen. func.: ogf

$$(x^{17} + x^{16} + 3 x^{15} + 4 x^{14} + 9 x^{13} + 12 x^{12} + 23 x^{11} + 31 x^{10} + 54 x^{9} + 73 x^{8} + 103 x^{7} + 116 x^{6} + 129 x^{5} + 104 x^{4} + 72 x^{3} + 31 x^{2} + 9 x + 1) / ($$

```
                   2
    (x + 1) (x - 1) )



------------------------------------------------------------------------------

Sequence:  A358249
Score: 4.3814
Type of gen. func.: ogf


  17    16      15      14      13       12       11       10       9       8
(x   + x   + 3 x   + 4 x   + 9 x   + 12 x   + 23 x   + 31 x   + 54 x  + 73 x

            7        6        5        4       3       2              /
     + 103 x  + 116 x  + 129 x  + 104 x  + 72 x  + 31 x  + 9 x + 1)  /  (
                                                                    /

                   2
    (x + 1) (x - 1) )



------------------------------------------------------------------------------

Sequence:  A358265
Score: 5.44612
Type of gen. func.: egf]


                           9       6         3
                          x  - 72 x  + 2160 x  - 25920
         --------------------------------------------------------------
          10    9       7       6         4         3
         x   + x  + 72 x  - 72 x  + 2160 x  + 2160 x  + 25920 x - 25920



------------------------------------------------------------------------------

Sequence:  A358265
Score: 5.81535
Type of gen. func.: egf]


                           9       6         3
                          x  - 72 x  + 2160 x  - 25920
         --------------------------------------------------------------
          10    9       7       6         4         3
         x   + x  + 72 x  - 72 x  + 2160 x  + 2160 x  + 25920 x - 25920



------------------------------------------------------------------------------

Sequence:  A358296
Score: 18.6595
Type of gen. func.: ogf


                                3      2
                             3 x  - 2 x  - 9 x - 2
                             ---------------------
                                              3
                               (x + 1) (x - 1)



------------------------------------------------------------------------------
```

Sequence: A358296
Score: 21.476
Type of gen. func.: ogf

$$\frac{3 x^3 - 2 x^2 - 9 x - 2}{(x + 1) (x - 1)^3}$$

Sequence: A358296
Score: 8.62294
Type of gen. func.: ogf

$$-(35350 f(x) - 824081)$$

$$(f(x) x^4 - 2 f(x) x^3 - 3 x^3 + 2 f(x) x + 2 x^2 - f(x) + 9 x + 2)$$

Sequence: A358296
Score: 9.56494
Type of gen. func.: ogf

{a(n + 4) - 2 a(n + 3) + 2 a(n + 1) - a(n), a(0) = 2, a(1) = 13, a(2) = 28,

a(3) = 49}

Sequence: A358306
Score: 16.6965
Type of gen. func.: ogf

$$\frac{x (2 x^3 + x^2 - 5 x - 5)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A358306
Score: 19.0398
Type of gen. func.: ogf

$$\frac{x (2 x^3 + x^2 - 5 x - 5)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A358306
Score: 6.53778
Type of gen. func.: ogf

$$\{-a(n + 5) + a(n + 4) + 2 a(n + 3) - 2 a(n + 2) - a(n + 1) + a(n), a(0) = 0, a(1) = 5, a(2) = 10, a(3) = 19, a(4) = 27\}$$

Sequence: A358341
Score: 5.49424
Type of gen. func.: ogf

$$- x (72 x^{10} - 420 x^9 + 1050 x^8 - 1467 x^7 + 1178 x^6 - 506 x^5 + 52 x^4 + 66 x^3 - 40 x^2 + 10 x - 1) / ((3 x - 1) (2 x - 1)^3 (x - 1)^4)$$

Sequence: A358341
Score: 5.79123
Type of gen. func.: ogf

$$- x (72 x^{10} - 420 x^9 + 1050 x^8 - 1467 x^7 + 1178 x^6 - 506 x^5 + 52 x^4 + 66 x^3 - 40 x^2 + 10 x - 1) / ((3 x - 1) (2 x - 1)^3 (x - 1)^4)$$

Sequence: A358348
Score: 6.91664
Type of gen. func.: ogf

$$\frac{(x + 1) (x^7 + 3 x^5 + x^3 + x^2 + 2 x + 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A358348
Score: 7.40631
Type of gen. func.: ogf

$$\frac{(x + 1) (x^7 + 3 x^5 + x^3 + x^2 + 2 x + 1)}{(x^2 + x + 1) (x^6 + x^3 + 1) (x - 1)^2}$$

Sequence: A358362
Score: 11.03
Type of gen. func.: ogf

$$-\frac{2\,\mathrm{EllipticK}(4\,I\,x^{1/2})}{\mathrm{Pi}\,(-1 + 16\,x)}$$

Sequence: A358362
Score: 2.93202
Type of gen. func.: ogf

$$\{-a(n + 3)\,n^2 + 256\,a(n + 1)\,n^2 - 6\,a(n + 3)\,n + 16\,a(n + 2)\,n + 1280\,a(n + 1)\,n - 9\,a(n + 3) + 44\,a(n + 2) + 1600\,a(n + 1),\ a(0) = 1,\ a(1) = 12,\ a(2) = 228\}$$

Sequence: A358363
Score: 2.94444
Type of gen. func.: ogf

$$\{-a(n + 3)\,n^2 + 256\,a(n + 1)\,n^2 - 6\,a(n + 3)\,n + 48\,a(n + 2)\,n + 768\,a(n + 1)\,n - 9\,a(n + 3) + 108\,a(n + 2) + 576\,a(n + 1),\ a(0) = 1,\ a(1) = 12,\ a(2) = 196\}$$

Sequence: A358365
Score: 11.6812
Type of gen. func.: ogf

$$-\frac{2\,\mathrm{EllipticK}(4\,x^{1/2})}{\mathrm{Pi}\,(-1 + 16\,x)}$$

Sequence: A358367
Score: 12.7592
Type of gen. func.: ogf

3   2   3

$$432 f(x) x - f(x) + 3 f(x) - 2$$

Sequence: A358367
Score: 3.80773
Type of gen. func.: ogf

$$\{-a(n + 3) n^2 + 432 a(n + 1) n^2 - 5 a(n + 3) n + 1728 a(n + 1) n - 6 a(n + 3) + 1680 a(n + 1), a(0) = 1, a(1) = 12, a(2) = 192\}$$

Sequence: A358368
Score: 3.0797
Type of gen. func.: ogf

$$\{a(n + 2) n^3 - 64 a(n + 1) n^3 + 9 a(n + 2) n^2 - 352 a(n + 1) n^2 + 27 a(n + 2) n - 624 a(n + 1) n + 27 a(n + 2) - 360 a(n + 1), a(0) = 1, a(1) = 3\}$$

Sequence: A358368
Score: 8.60062
Type of gen. func.: ogf

$$1/8 \frac{-1 + \mathrm{hypergeom}([-1/2, -1/2, 1/2], [1, 1], 64 x)}{x}$$

Sequence: A358369
Score: 19.816
Type of gen. func.: ogf_with_Euler_transform]

$$- \frac{1 + 2 x}{2 x^2 - 1}$$

Sequence: A358439
Score: 22.1156
Type of gen. func.: ogf

$$\frac{5 x + 4}{(10 x - 1)^2}$$

Sequence: A358439
Score: 28.9203
Type of gen. func.: ogf

$$\frac{5 x + 4}{(10 x - 1)^{2}}$$

Sequence: A358439
Score: 8.26295
Type of gen. func.: ogf

$$(36 f(x) + 145) (100 f(x) x^{2} - 20 f(x) x + f(x) - 5 x - 4)$$

Sequence: A358439
Score: 9.64011
Type of gen. func.: ogf

$$\{-a(n + 2) + 20 a(n + 1) - 100 a(n), a(0) = 4, a(1) = 85\}$$

Sequence: A358449
Score: 36.2811
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{1}{1 + 2 x}$$

Sequence: A358474
Score: 8.77732
Type of gen. func.: ogf

$$\frac{x^{8} (x^{26} - x^{25} + x^{24} + x^{23} + x^{18} - x^{17} - x^{15} + x^{12} + x^{10} - x^{3} + 1)}{(x - 1)^{2}}$$

Sequence: A358474
Score: 9.39327

Type of gen. func.: ogf

$$\frac{x^{8} (x^{26} - x^{25} + x^{24} + x^{23} + x^{18} - x^{17} - x^{15} + x^{12} + x^{10} - x^{3} + 1)}{(x - 1)^{2}}$$

Sequence: A358475
Score: 9.29908
Type of gen. func.: ogf

$$\frac{x^{9} (x^{24} - x^{19} + x^{18} + x^{16} - x^{15} + x^{14} - x^{13} + x^{12} - 2 x^{2} + x + 1)}{(x - 1)^{2}}$$

Sequence: A358475
Score: 9.98159
Type of gen. func.: ogf

$$\frac{x^{9} (x^{24} - x^{19} + x^{18} + x^{16} - x^{15} + x^{14} - x^{13} + x^{12} - 2 x^{2} + x + 1)}{(x - 1)^{2}}$$

Sequence: A358479
Score: 8.80737
Type of gen. func.: ogf

$$- \frac{x^{8} (x^{26} - x^{25} + x^{24} + x^{23} + x^{18} - x^{17} - x^{15} + x^{12} + x^{10} - x^{3} + 1)}{x - 1}$$

Sequence: A358479
Score: 9.40448
Type of gen. func.: ogf

$$- \frac{x^{8} (x^{26} - x^{25} + x^{24} + x^{23} + x^{18} - x^{17} - x^{15} + x^{12} + x^{10} - x^{3} + 1)}{x - 1}$$

Sequence: A358480
Score: 10.2193
Type of gen. func.: ogf

$$-\frac{x^{9} (x^{24} - x^{19} + x^{18} + x^{16} - x^{15} + x^{14} - x^{13} + x^{12} - 2 x^{2} + x + 1)}{x - 1}$$

Sequence: A358480
Score: 9.54366
Type of gen. func.: ogf

$$-\frac{x^{9} (x^{24} - x^{19} + x^{18} + x^{16} - x^{15} + x^{14} - x^{13} + x^{12} - 2 x^{2} + x + 1)}{x - 1}$$

Sequence: A358498
Score: 3.89863
Type of gen. func.: ogf

$$\{-a(n + 4) n + a(n + 1) n + a(n + 5) - 5 a(n + 4) - a(n + 2) + 5 a(n + 1),$$

$$a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 7, a(4) = 25\}$$

Sequence: A358499
Score: 3.62976
Type of gen. func.: ogf

$$\{a(n + 5) n - a(n + 1) n + 6 a(n + 5) + a(n + 2) - 6 a(n + 1) - a(n + 6),$$

$$a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 6, a(4) = 25, a(5) = 121\}$$

Sequence: A358500
Score: 3.39558
Type of gen. func.: ogf

$$\{a(n + 1) n - a(n + 6) n + a(n + 7) - a(n + 2) + 7 a(n + 1) - 7 a(n + 6),$$

$$a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 6, a(4) = 24, a(5) = 121, a(6) = 721\}$$

Sequence: A358504
Score: 12.707
Type of gen. func.: ogf

$$\frac{4 x - 1}{(x - 1) (-1 + 6 x) (2 x - 1)}$$

Sequence: A358504
Score: 14.7816
Type of gen. func.: ogf

$$\frac{4 x - 1}{(x - 1) (-1 + 6 x) (2 x - 1)}$$

Sequence: A358504
Score: 6.76915
Type of gen. func.: ogf

$$\{a(n + 3) - 9 a(n + 2) + 20 a(n + 1) - 12 a(n), a(0) = 1, a(1) = 5, a(2) = 25\}$$

Sequence: A358504
Score: 6.83301
Type of gen. func.: ogf

$$(19 f(x) + 6) (12 f(x) x^3 - 20 f(x) x^2 + 9 f(x) x - f(x) - 4 x + 1)$$

Sequence: A358518
Score: 7.30538
Type of gen. func.: ogf

$$- \frac{-x^2 + (x^4 - 4 x^3 + 6 x^2 - 8 x + 1)^{1/2} + 2 x - 1}{2 x (x - 1)^2}$$

Sequence: A358554
Score: 2.53829
Type of gen. func.: ogf

$$\frac{8 x^5 + 11 x^4 + 6 x^3 - 3 x^2 - 2 x - 1}{11 x^3 - 1}$$

Sequence: A358554
Score: 2.86061
Type of gen. func.: ogf

$$\frac{8 x^5 + 11 x^4 + 6 x^3 - 3 x^2 - 2 x - 1}{11 x^3 - 1}$$

Sequence: A358587
Score: 11.2946
Type of gen. func.: ogf

$$\frac{x^4 (x^2 - x + 1)}{(x + 1) (2 x - 1)^2 (x - 1)^2}$$

Sequence: A358587
Score: 12.7758
Type of gen. func.: ogf

$$\frac{x^4 (x^2 - x + 1)}{(x + 1) (2 x - 1)^2 (x - 1)^2}$$

Sequence: A358587
Score: 4.03796
Type of gen. func.: ogf

$$\{a(n + 7) - 5 a(n + 6) + 7 a(n + 5) + a(n + 4) - 8 a(n + 3) + 4 a(n + 2),$$

$$a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 0, a(4) = 1, a(5) = 4, a(6) = 14\}$$

Sequence: A358588
Score: 10.943
Type of gen. func.: ogf

$$- \frac{x^4 (x^2 - x + 1)}{{}^{2} \qquad {}^{2} \qquad {}^{3}}$$

$$(x - 3 x + 1) \ (x - 1)$$

Sequence: A358588
Score: 12.3781
Type of gen. func.: ogf

$$-\frac{x^4 \ (x^2 - x + 1)}{(x^2 - 3 x + 1)^2 \ (x - 1)^3}$$

Sequence: A358591
Score: 6.27386
Type of gen. func.: ogf

$$-\frac{-32 x^3 - 32 x^2 + (-(4 x - 1) \ (2 x^2 + 16 x - 3)^2)^{1/2} + 22 x - 3}{2 \ (x + 2) \ (4 x - 1)^2}$$

Sequence: A358598
Score: 13.0149
Type of gen. func.: ogf

$$\frac{5 x - 1}{(x - 1) \ (8 x - 1) \ (2 x - 1)}$$

Sequence: A358598
Score: 15.1398
Type of gen. func.: ogf

$$\frac{5 x - 1}{(x - 1) \ (8 x - 1) \ (2 x - 1)}$$

Sequence: A358598
Score: 6.39526
Type of gen. func.: ogf

$$-(5157 f(x) + 1768) \ (16 f(x) x^3 - 26 f(x) x^2 + 11 f(x) x - f(x) - 5 x + 1)$$

Sequence: A358598
Score: 6.86898
Type of gen. func.: ogf

$\{a(n + 3) - 11 a(n + 2) + 26 a(n + 1) - 16 a(n), a(0) = 1, a(1) = 6, a(2) = 40\}$

Sequence: A358599
Score: 12.3356
Type of gen. func.: ogf

$$\frac{-1 + 6 x}{(x - 1) (2 x - 1) (10 x - 1)}$$

Sequence: A358599
Score: 14.3093
Type of gen. func.: ogf

$$\frac{-1 + 6 x}{(x - 1) (2 x - 1) (10 x - 1)}$$

Sequence: A358599
Score: 6.44561
Type of gen. func.: ogf

$$(2532 f(x) + 895) (20 f(x) x^3 - 32 f(x) x^2 + 13 f(x) x - f(x) - 6 x + 1)$$

Sequence: A358599
Score: 6.62466
Type of gen. func.: ogf

$\{a(n + 3) - 13 a(n + 2) + 32 a(n + 1) - 20 a(n), a(0) = 1, a(1) = 7, a(2) = 59\}$

Sequence: A358600
Score: 12.0862
Type of gen. func.: ogf

$$\frac{-1 + 7 x}{(x - 1) (2 x - 1) (12 x - 1)}$$

Sequence: A358600
Score: 14.02
Type of gen. func.: ogf

$$\frac{-1 + 7 x}{(x - 1) (2 x - 1) (12 x - 1)}$$

Sequence: A358600
Score: 6.04312
Type of gen. func.: ogf

$$-(8425 f(x) + 3036) (24 f(x) x^3 - 38 f(x) x^2 + 15 f(x) x - f(x) - 7 x + 1)$$

Sequence: A358600
Score: 6.49075
Type of gen. func.: ogf

{a(n + 3) - 15 a(n + 2) + 38 a(n + 1) - 24 a(n), a(0) = 1, a(1) = 8, a(2) = 82}

Sequence: A358601
Score: 11.3716
Type of gen. func.: ogf

$$\frac{8 x - 1}{(x - 1) (2 x - 1) (14 x - 1)}$$

Sequence: A358601
Score: 13.1911
Type of gen. func.: ogf

$$\frac{8 x - 1}{(x - 1) (2 x - 1) (14 x - 1)}$$

Sequence: A358601
Score: 5.63722
Type of gen. func.: ogf

```
                                 3            2
  -(17739 f(x) + 6482) (28 f(x) x  - 44 f(x) x  + 17 f(x) x - f(x) - 8 x + 1)
```

Sequence: A358601
Score: 6.05096
Type of gen. func.: ogf

```
{a(n + 3) - 17 a(n + 2) + 44 a(n + 1) - 28 a(n), a(0) = 1, a(1) = 9, a(2) = 109

    }
```

Sequence: A358606
Score: 3.54752
Type of gen. func.: ogf

```
{-a(n + 2) n + a(n + 1) n + 9 a(n + 6) - 4 a(n + 5) - 7 a(n + 2) + 6 a(n + 1)

     - 5 a(n + 7), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 1, a(4) = 1, a(5) = 0,

    a(6) = -1}
```

Sequence: A358607
Score: 4.1866
Type of gen. func.: ogf

```
{a(n + 3) n + a(n + 1) n - a(n + 4) + 4 a(n + 3) - a(n + 2) + 4 a(n + 1),

    a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 5}
```

Sequence: A358608
Score: 3.89863
Type of gen. func.: ogf

```
{-a(n + 4) n - a(n + 1) n + a(n + 5) - 5 a(n + 4) + a(n + 2) - 5 a(n + 1),

    a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 5, a(4) = 23}
```

Sequence: A358609
Score: 3.62976
Type of gen. func.: ogf

```
{a(n + 5) n + a(n + 1) n - a(n + 6) + 6 a(n + 5) - a(n + 2) + 6 a(n + 1),

    a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 6, a(4) = 23, a(5) = 119}
```

Sequence: A358611
Score: 3.39558
Type of gen. func.: ogf

$$\{-a(n + 6) n - a(n + 1) n + a(n + 7) - 7 a(n + 6) + a(n + 2) - 7 a(n + 1),$$

$$a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 6, a(4) = 24, a(5) = 119, a(6) = 719\}$$

Sequence: A358620
Score: 18.364
Type of gen. func.: ogf

$$-\frac{9 (x - 1)}{(10 x - 1)^2}$$

Sequence: A358620
Score: 23.2611
Type of gen. func.: ogf

$$-\frac{9 (x - 1)}{(10 x - 1)^2}$$

Sequence: A358620
Score: 7.66848
Type of gen. func.: ogf

$$(20 f(x) + 181) (100 f(x) x^2 - 20 f(x) x + f(x) + 9 x - 9)$$

Sequence: A358620
Score: 8.83332
Type of gen. func.: ogf

$$\{-a(n + 2) + 20 a(n + 1) - 100 a(n), a(0) = 9, a(1) = 171\}$$

Sequence: A358632
Score: 3.4027
Type of gen. func.: ogf

$$\frac{x^6+3x^5+9x^4+9x^3+9x^2+3x+1}{(x+1)^2(x-1)^4}$$

Sequence: A358632
Score: 3.75623
Type of gen. func.: ogf

$$\frac{x^6+3x^5+9x^4+9x^3+9x^2+3x+1}{(x+1)^2(x-1)^4}$$

Sequence: A358655
Score: 11.1077
Type of gen. func.: ogf

$$-\frac{5x^7-16x^6+15x^5-4x^3-5x^2+2x-1}{(x-1)^4}$$

Sequence: A358655
Score: 9.98289
Type of gen. func.: ogf

$$-\frac{5x^7-16x^6+15x^5-4x^3-5x^2+2x-1}{(x-1)^4}$$

Sequence: A358682
Score: 13.129
Type of gen. func.: ogf

$$-\frac{x^2+1}{(x-1)(x^2-6x+1)}$$

Sequence: A358682
Score: 15.1107
Type of gen. func.: ogf

$$-\frac{x^{2} + 1}{(x - 1) (x^{2} - 6 x + 1)}$$

Sequence: A358682
Score: 7.41546
Type of gen. func.: ogf

$$(61 f(x) - 9) (f(x) x^{3} - 7 f(x) x^{2} + 7 f(x) x + x^{2} - f(x) + 1)$$

Sequence: A358682
Score: 7.62733
Type of gen. func.: ogf

$$\{a(n + 3) - 7 a(n + 2) + 7 a(n + 1) - a(n), a(0) = 1, a(1) = 7, a(2) = 43\}$$

Sequence: A358691
Score: 10.2567
Type of gen. func.: ogf

$$-(f(x) - 30) (-2 x^{4} + f(x) x - f(x) + 3)$$

Sequence: A358691
Score: 21.0679
Type of gen. func.: ogf

$$\frac{2 x^{4} - 3}{x - 1}$$

Sequence: A358691
Score: 26.8797
Type of gen. func.: ogf

$$4$$

$$\frac{2 x - 3}{x - 1}$$

Sequence: A358691
Score: 7.79511
Type of gen. func.: ogf

$$\{-a(n + 5) + a(n + 4), a(0) = 3, a(1) = 3, a(2) = 3, a(3) = 3, a(4) = 1\}$$

Sequence: A358692
Score: 10.2567
Type of gen. func.: ogf

$$\{-a(n + 3) + a(n + 2), a(0) = 1, a(1) = 3, a(2) = 1\}$$

Sequence: A358692
Score: 14.7078
Type of gen. func.: ogf

$$-f(x) x + 2 x^2 + f(x) - 2 x - 1$$

Sequence: A358692
Score: 19.0125
Type of gen. func.: ogf

$$\frac{2 x^2 - 2 x - 1}{x - 1}$$

Sequence: A358692
Score: 23.6215
Type of gen. func.: ogf

$$\frac{2 x^2 - 2 x - 1}{x - 1}$$

Sequence: A358696

Score: 7.26954
Type of gen. func.: ogf

$$-\frac{(x^5 - x^3 - 6x^2 - x - 1)(x - 1)^2}{x^9 - 5x^8 + 7x^7 + 12x^6 - 16x^5 - 37x^4 + 20x^3 - x^2 - 6x + 1}$$

Sequence: A358696
Score: 7.70681
Type of gen. func.: ogf

$$-\frac{(x^5 - x^3 - 6x^2 - x - 1)(x - 1)^2}{x^9 - 5x^8 + 7x^7 + 12x^6 - 16x^5 - 37x^4 + 20x^3 - x^2 - 6x + 1}$$

Sequence: A358730
Score: 2.07391
Type of gen. func.: ogf

$$\{a(n + 6) - 3\,a(n + 4),\ a(0) = 1,\ a(1) = 4,\ a(2) = 8,\ a(3) = 16,\ a(4) = 27,\ a(5) = 54\}$$

Sequence: A358730
Score: 3.26712
Type of gen. func.: ogf

$$-\frac{6x^5 + 3x^4 + 4x^3 + 5x^2 + 4x + 1}{3x^2 - 1}$$

Sequence: A358730
Score: 3.66922
Type of gen. func.: ogf

$$-\frac{6x^5 + 3x^4 + 4x^3 + 5x^2 + 4x + 1}{3x^2 - 1}$$

Sequence: A358734
Score: 11.1989
Type of gen. func.: ogf

$$\frac{(x - 1) (x^5 - 2 x^3 + 5 x^2 - 4 x + 1)}{(x^2 + x - 1) (2 x - 1)^2}$$

Sequence: A358734
Score: 12.3049
Type of gen. func.: ogf

$$\frac{(x - 1) (x^5 - 2 x^3 + 5 x^2 - 4 x + 1)}{(x^2 + x - 1) (2 x - 1)^2}$$

Sequence: A358734
Score: 6.19067
Type of gen. func.: ogf

{-a(n + 7) + 5 a(n + 6) - 7 a(n + 5) + 4 a(n + 3), a(0) = 1, a(1) = 0, a(2) = 2,

a(3) = 3, a(4) = 7, a(5) = 15, a(6) = 33}

Sequence: A358755
Score: 8.4026
Type of gen. func.: ogf

$$\frac{x^5 (4 x^{174} - x^{162} - 2 x^{156} - 3 x^{150} - 4 x^{18} - 4 x^{12} - 4 x^6 - 4)}{x^{174} + x^{168} + x^{162} + x^{156} - 3 x^{150} + 4 x^{30} - 4}$$

Sequence: A358755
Score: 8.86301
Type of gen. func.: ogf

$$\frac{x^5 (4 x^{174} - x^{162} - 2 x^{156} - 3 x^{150} - 4 x^{18} - 4 x^{12} - 4 x^6 - 4)}{x^{174} + x^{168} + x^{162} + x^{156} - 3 x^{150} + 4 x^{30} - 4}$$

Sequence: A358756
Score: 6.19855
Type of gen. func.: ogf

{a(n + 7) - a(n + 6) - a(n + 1) + a(n), a(0) = 30, a(1) = 60, a(2) = 90,

a(3) = 120, a(4) = 150, a(5) = 180, a(6) = 240}

Sequence: A358756
Score: 7.77203
Type of gen. func.: ogf

$$\frac{30 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A358756
Score: 8.28167
Type of gen. func.: ogf

$$\frac{30 (x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x + 1) (x^2 + x + 1) (x^2 - x + 1) (x - 1)^2}$$

Sequence: A358793
Score: 4.49609
Type of gen. func.: ogf

$$(x^{14} - 3 x^{12} + x^{11} - x^{10} + 2 x^9 - 4 x^8 + 3 x^7 + 8 x^6 + x^5 + 7 x^4 + 4 x^3 + 7 x^2 + 3 x + 1) / ((x + 1) (x^2 - x + 1) (x - 1)^2 (x^2 + x + 1)^2)$$

Sequence: A358793
Score: 4.6993
Type of gen. func.: ogf

$$(x^{14} - 3 x^{12} + x^{11} - x^{10} + 2 x^9 - 4 x^8 + 3 x^7 + 8 x^6 + x^5 + 7 x^4 + 4 x^3 + 7 x^2$$

$$+ 3 x + 1) \Big/ ((x + 1) (x - x + 1) (x - 1) (x + x + 1))$$

Sequence: A358854
Score: 7.43908
Type of gen. func.: ogf

$$\frac{x^{21} + x^{20} + x^{10} + 1}{(x + 1) (x^2 + 1) (x^8 - x^6 + x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A358854
Score: 7.95212
Type of gen. func.: ogf

$$\frac{x^{21} + x^{20} + x^{10} + 1}{(x + 1) (x^2 + 1) (x^8 - x^6 + x^4 - x^2 + 1) (x - 1)^2}$$

Sequence: A358917
Score: 11.1643
Type of gen. func.: ogf

$$\frac{x (x^2 + 11 x + 1)}{(x^2 + 3 x + 1) (x^2 - 7 x + 1)}$$

Sequence: A358917
Score: 5.11695
Type of gen. func.: ogf

$$-(1150 f(x) + 587)$$

$$(f(x) x^4 - 4 f(x) x^3 - 19 f(x) x^2 - x^3 - 4 f(x) x - 11 x^2 + f(x) - x)$$

Sequence: A358917
Score: 5.41795
Type of gen. func.: ogf

{a(n + 4) - 4 a(n + 3) - 19 a(n + 2) - 4 a(n + 1) + a(n), a(0) = 0, a(1) = 1, a(2) = 15, a(3) = 80}

Sequence: A358917
Score: 9.95731
Type of gen. func.: ogf

$$\frac{x (x^2 + 11 x + 1)}{(x^2 + 3 x + 1) (x^2 - 7 x + 1)}$$

Sequence: A358934
Score: 3.53224
Type of gen. func.: ogf

{a(n + 6) - 8 a(n + 5) - 40 a(n + 4) + 60 a(n + 3) + 40 a(n + 2) - 8 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 31, a(3) = 242, a(4) = 3093, a(5) = 32525}

Sequence: A358934
Score: 6.21915
Type of gen. func.: ogf

$$-\frac{x (x^4 - 23 x^3 - 46 x^2 + 23 x + 1)}{(x^2 + x - 1) (x^2 + 11 x - 1) (x^2 - 4 x - 1)}$$

Sequence: A358934
Score: 6.6756
Type of gen. func.: ogf

$$-\frac{x (x^4 - 23 x^3 - 46 x^2 + 23 x + 1)}{(x^2 + x - 1) (x^2 + 11 x - 1) (x^2 - 4 x - 1)}$$

Sequence: A358985
Score: 15.0004
Type of gen. func.: ogf

$$\frac{2 (5 x^2 - 9 x - 5)}{19 x^2 - 1}$$

Sequence: A358985
Score: 17.8576
Type of gen. func.: ogf

$$\frac{2 (5 x^2 - 9 x - 5)}{19 x^2 - 1}$$

Sequence: A358985
Score: 8.92882
Type of gen. func.: ogf

$$(595 f(x) - 5779) (19 f(x) x^2 - 10 x^2 - f(x) + 18 x + 10)$$

Sequence: A358985
Score: 9.25951
Type of gen. func.: ogf

{-a(n + 3) + 19 a(n + 1), a(0) = 10, a(1) = 18, a(2) = 180}

Sequence: A358994
Score: 16.3409
Type of gen. func.: ogf

$$\frac{2 x^3 - 16 x^2 - 46 x - 21}{(x - 1)^5}$$

Sequence: A358994
Score: 19.312
Type of gen. func.: ogf

3 2

$$\frac{2x - 16x - 46x - 21}{(x-1)^5}$$

Sequence: A358994
Score: 4.80072
Type of gen. func.: ogf

{a(n + 5) - 5 a(n + 4) + 10 a(n + 3) - 10 a(n + 2) + 5 a(n + 1) - a(n),

a(0) = 21, a(1) = 151, a(2) = 561, a(3) = 1503, a(4) = 3310}

Sequence: A359019
Score: 7.95192
Type of gen. func.: ogf

$$-\frac{x^6 + 2x^5 + 3x^4 + 2x^3 + 2x^2 - 1}{(x^3 + x + 1)(x^3 + x - 1)(x^3 + 2x^2 + x - 1)}$$

Sequence: A359019
Score: 8.47766
Type of gen. func.: ogf

$$-\frac{x^6 + 2x^5 + 3x^4 + 2x^3 + 2x^2 - 1}{(x^3 + x + 1)(x^3 + x - 1)(x^3 + 2x^2 + x - 1)}$$

Sequence: A359048
Score: 5.04857
Type of gen. func.: ogf

$$-(25x^{44} + 9x^{43} + 9x^{42} - 4x^{41} - 5x^{23} - 3x^{22} - 3x^{21} - 2x^{20} - 7x^2 - 3x - 3) \Big/ ((x-1)(x^2 + x + 1)(3x^{42} - x^{21} - 1))$$

Sequence: A359048
Score: 5.30747
Type of gen. func.: ogf

$$- (25 x^{44} + 9 x^{43} + 9 x^{42} - 4 x^{41} - 5 x^{23} - 3 x^{22} - 3 x^{21} - 2 x^{20} - 7 x^{2} - 3 x - 3) / ((x - 1) (x^{2} + x + 1) (3 x^{42} - x^{21} - 1))$$

Sequence: A359096
Score: 18.0781
Type of gen. func.: ogf

$$\frac{x^{4} - x^{3} + 8 x^{2} + 7 x + 1}{(x - 1)^{4}}$$

Sequence: A359096
Score: 5.53642
Type of gen. func.: ogf

$$\{-a(n + 5) + 4 a(n + 4) - 6 a(n + 3) + 4 a(n + 2) - a(n + 1), a(0) = 1, a(1) = 11, a(2) = 46, a(3) = 121, a(4) = 252\}$$

Sequence: A359096
Score: 5.82781
Type of gen. func.: ogf

$$(7952 f(x) + 18743) (f(x) x^{4} - 4 f(x) x^{3} - x^{4} + 6 f(x) x^{2} + x^{3} - 4 f(x) x - 8 x^{2} + f(x) - 7 x - 1)$$

Sequence: A359098
Score: 7.26697
Type of gen. func.: ogf

$$- \frac{1109 x^{9} - x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 1111}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A359108
Score: 3.73111
Type of gen. func.: ogf

$$\{27\, a(n + 1)\, n^3 - 256\, a(n)\, n^3 + 54\, a(n + 1)\, n^2 - 384\, a(n)\, n^2 + 33\, a(n + 1)\, n - 176\, a(n)\, n + 6\, a(n + 1) - 24\, a(n),\ a(0) = 1,\ a(1) = 2\}$$

Sequence: A359140
Score: 9.81486
Type of gen. func.: ogf

$$-f(x)^2\, x^3 - f(x)^2\, x^2 + f(x)\, x^2 + f(x)\, x + f(x) - x - 1$$

Sequence: A359176
Score: 3.04734
Type of gen. func.: ogf

$$\{-a(n + 3)\, n^2 + 5\, a(n + 2)\, n^2 - 4\, a(n + 1)\, n^2 - 4\, a(n + 3)\, n + 19\, a(n + 2)\, n - 18\, a(n + 1)\, n - 3\, a(n + 3) + 16\, a(n + 2) - 18\, a(n + 1),\ a(0) = 0,\ a(1) = 0,\ a(2) = 3\}$$

Sequence: A359271
Score: 15.821
Type of gen. func.: ogf

$$-\frac{5\,(x - 1)}{(10\,x - 1)^2}$$

Sequence: A359271
Score: 20.0399
Type of gen. func.: ogf

$$-\frac{5\,(x - 1)}{(10\,x - 1)^2}$$

Sequence: A359271

Score: 6.60656
Type of gen. func.: ogf

$$(36 f(x) + 181) (100 f(x) x^2 - 20 f(x) x + f(x) + 5 x - 5)$$

Sequence: A359271
Score: 7.70766
Type of gen. func.: ogf

$$\{-a(n + 2) + 20 a(n + 1) - 100 a(n), a(0) = 5, a(1) = 95\}$$

Sequence: A359329
Score: 16.313
Type of gen. func.: ogf

$$\frac{x^2 (2 x^2 - x - 5)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A359329
Score: 18.9764
Type of gen. func.: ogf

$$\frac{x^2 (2 x^2 - x - 5)}{(x + 1)^2 (x - 1)^3}$$

Sequence: A359329
Score: 5.70455
Type of gen. func.: ogf

$$\{-a(n + 5) + a(n + 4) + 2 a(n + 3) - 2 a(n + 2) - a(n + 1) + a(n), a(0) = 0,$$

$$a(1) = 0, a(2) = 5, a(3) = 6, a(4) = 14\}$$

Sequence: A359366
Score: 11.9639
Type of gen. func.: ogf

3   2

$$-\frac{x (x + x + 3 x + 1)}{(x - 1)^{3} (x + 1)^{3}}$$

Sequence: A359366
Score: 13.533
Type of gen. func.: ogf

$$-\frac{x (x^{3} + x^{2} + 3 x + 1)}{(x - 1)^{3} (x + 1)^{3}}$$

Sequence: A359366
Score: 5.8965
Type of gen. func.: ogf

$\{-a(n + 6) + 3 a(n + 4) - 3 a(n + 2) + a(n), a(0) = 0, a(1) = 1, a(2) = 3,$

$a(3) = 4, a(4) = 10, a(5) = 9\}$

Sequence: A359374
Score: 6.44951
Type of gen. func.: ogf

$$-\frac{x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1}{(x - 1) (x + 1) (x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A359374
Score: 6.82613
Type of gen. func.: ogf

$$-\frac{x^{6} + x^{5} + x^{4} + x^{3} + x^{2} + x + 1}{(x - 1) (x + 1) (x^{2} + 1) (x^{2} + x + 1) (x^{2} - x + 1)}$$

Sequence: A359375
Score: 7.96309
Type of gen. func.: ogf

$$\frac{(x + 1) (x^6 + 3 x^4 - 2 x^3 + 3 x^2 + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A359375
Score: 8.50758
Type of gen. func.: ogf

$$\frac{(x + 1) (x^6 + 3 x^4 - 2 x^3 + 3 x^2 + 1)}{(x^6 + x^5 + x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A359376
Score: 10.7354
Type of gen. func.: ogf

$$\frac{x (x^2 + x + 1) (3 x^2 - 2 x + 3)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A359376
Score: 7.1314
Type of gen. func.: ogf

$\{-a(n + 6) + a(n + 5) + a(n + 1) - a(n), a(0) = 0, a(1) = 3, a(2) = 4, a(3) = 8,$

$a(4) = 9, a(5) = 12\}$

Sequence: A359376
Score: 9.88511
Type of gen. func.: ogf

$$\frac{x (x^2 + x + 1) (3 x^2 - 2 x + 3)}{(x^4 + x^3 + x^2 + x + 1) (x - 1)^2}$$

Sequence: A359379
Score: 6.31025

Type of gen. func.: ogf

$$-\frac{x^5+x^4+x^3+x^2+1}{(x-1)(x+1)(x^2+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A359379
Score: 6.71411
Type of gen. func.: ogf

$$-\frac{x^5+x^4+x^3+x^2+1}{(x-1)(x+1)(x^2+1)(x^2+x+1)(x^2-x+1)}$$

Sequence: A359380
Score: 11.1596
Type of gen. func.: ogf

$$\frac{x^4+2x^3-2x^2+2x+1}{(x+1)(x^2-x+1)(x-1)^2}$$

Sequence: A359380
Score: 12.2618
Type of gen. func.: ogf

$$\frac{x^4+2x^3-2x^2+2x+1}{(x+1)(x^2-x+1)(x-1)^2}$$

Sequence: A359380
Score: 6.05612
Type of gen. func.: ogf

{a(n + 5) - 2 a(n + 4) + a(n + 3) + a(n + 2) - 2 a(n + 1) + a(n), a(0) = 1,

a(1) = 4, a(2) = 5, a(3) = 7, a(4) = 8}

Sequence: A359404
Score: 5.19316
Type of gen. func.: ogf

$$-3x^2(3x-1)(9216x^8-30720x^7+45440x^6-39360x^5+20560x^4-6480x^3+1200x^2-120x+5) \Big/ \left((-1+6x)^4(4x-1)^4(2x-1)^4\right)$$

Sequence: A359405
Score: 10.8073
Type of gen. func.: ogf

$$-\frac{224x^5-504x^4+462x^3-196x^2+39x-3}{(4x-1)^3(2x-1)^3}$$

Sequence: A359405
Score: 9.84669
Type of gen. func.: ogf

$$-\frac{224x^5-504x^4+462x^3-196x^2+39x-3}{(4x-1)^3(2x-1)^3}$$

Sequence: A359410
Score: 6.44676
Type of gen. func.: ogf

$$-\frac{30(x^{10}-2x^5-2x^4-x^3-x^2-x-1)}{(x+1)(x^2+x+1)(x^2-x+1)(x-1)^2}$$

Sequence: A359410
Score: 6.86606
Type of gen. func.: ogf

$$-\frac{30(x^{10}-2x^5-2x^4-x^3-x^2-x-1)}{(x+1)(x^2+x+1)(x^2-x+1)(x-1)^2}$$

Sequence: A359450
Score: 7.05129
Type of gen. func.: ogf

$$-\left(186 x^{32} - 192 x^{31} + 90 x^{16} - 96 x^{15} + 126 x^{8} - 144 x^{7} + 12 x^{4} - 14 x^{3} - 3 x^{2} - 1\right) \Big/ (x - 1)^{2}$$

Sequence: A359452
Score: 15.9384
Type of gen. func.: ogf

$$\frac{8 x - 1}{(4 x + 1) (20 x - 1)}$$

Sequence: A359452
Score: 19.2938
Type of gen. func.: ogf

$$\frac{8 x - 1}{(4 x + 1) (20 x - 1)}$$

Sequence: A359452
Score: 8.05676
Type of gen. func.: ogf

$$(189 f(x) - 173) (80 f(x) x^{2} + 16 f(x) x - f(x) - 8 x + 1)$$

Sequence: A359452
Score: 9.64691
Type of gen. func.: ogf

$$\{-a(n + 2) + 16 a(n + 1) + 80 a(n), a(0) = 1, a(1) = 8\}$$

Sequence: A359453

Score: 11.8252
Type of gen. func.: ogf

$$-80 f(x) x^{2} - 16 f(x) x + f(x) - 12 x$$

Sequence: A359453
Score: 17.0504
Type of gen. func.: ogf

$$-\frac{12 x}{(4 x + 1) (20 x - 1)}$$

Sequence: A359453
Score: 20.9476
Type of gen. func.: ogf

$$-\frac{12 x}{(4 x + 1) (20 x - 1)}$$

Sequence: A359453
Score: 9.64691
Type of gen. func.: ogf

$$\{-a(n + 2) + 16 a(n + 1) + 80 a(n), a(0) = 0, a(1) = 12\}$$

Sequence: A359456
Score: 6.2656
Type of gen. func.: lgdogf

$$\frac{29 x^{28} + 5 x^{4} + 1}{x^{29} + x^{5} + x + 1}$$

Sequence: A359489
Score: 10.4209
Type of gen. func.: lgdogf

$$\frac{2 (1 + 2 x)}{{}^{3} \qquad {}^{2}}$$

$$(x - 1) (x - 3 x + 7 x - 1)$$

Sequence: A359489
Score: 2.82319
Type of gen. func.: ogf

$$\{a(n + 4) n - 8 a(n + 3) n + 10 a(n + 2) n - 4 a(n + 1) n + a(n) n + 4 a(n + 4) - 26 a(n + 3) + 16 a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 12, a(3) = 68\}$$

Sequence: A359489
Score: 7.01606
Type of gen. func.: ogf

$$-f(x)^{2} x^{3} + 3 f(x)^{2} x^{2} - 7 f(x)^{2} x + x^{3} + f(x)^{2} - 3 x^{2} + 3 x - 1$$

Sequence: A359498
Score: 7.3455
Type of gen. func.: ogf

$$-\frac{x (205 x^{6} + 10362 x^{5} + 77667 x^{4} + 146092 x^{3} + 77667 x^{2} + 10362 x + 205)}{(x - 1)^{9}}$$

Sequence: A359498
Score: 7.94513
Type of gen. func.: ogf

$$-\frac{x (205 x^{6} + 10362 x^{5} + 77667 x^{4} + 146092 x^{3} + 77667 x^{2} + 10362 x + 205)}{(x - 1)^{9}}$$

Sequence: A359559
Score: 10.8836
Type of gen. func.: ogf

$$-\frac{4 x^{5} - 10 x^{4} + 12 x^{3} - 9 x^{2} + 5 x - 1}{}$$

$$(2 x^2 - 2 x + 1)^3$$

Sequence: A359559
Score: 3.84446
Type of gen. func.: ogf

$$\{a(n + 6) - 6 a(n + 5) + 18 a(n + 4) - 32 a(n + 3) + 36 a(n + 2) - 24 a(n + 1) + 8 a(n), a(0) = 1, a(1) = 1, a(2) = -3, a(3) = -16, a(4) = -36, a(5) = -40\}$$

Sequence: A359559
Score: 9.78147
Type of gen. func.: ogf

$$-\frac{4 x^5 - 10 x^4 + 12 x^3 - 9 x^2 + 5 x - 1}{(2 x^2 - 2 x + 1)^3}$$

Sequence: A359620
Score: 5.67167
Type of gen. func.: ogf

$$-\frac{16 x^6 + 512 x^5 + 704 x^4 - 2336 x^3 + 511 x^2 - 38 x + 1}{(-1 + 16 x) (x - 1)^2 (4 x^2 - 12 x + 1)^2}$$

Sequence: A359620
Score: 6.06968
Type of gen. func.: ogf

$$-\frac{16 x^6 + 512 x^5 + 704 x^4 - 2336 x^3 + 511 x^2 - 38 x + 1}{(-1 + 16 x) (x - 1)^2 (4 x^2 - 12 x + 1)^2}$$

Sequence: A359621
Score: 5.95667
Type of gen. func.: ogf

$$- \frac{4 x^{6} + 12 x^{5} + 84 x^{4} - 210 x^{3} + 97 x^{2} - 16 x + 1}{(8 x - 1) (x - 1)^{2} (2 x^{2} - 5 x + 1)^{2}}$$

Sequence: A359621
Score: 6.40203
Type of gen. func.: ogf

$$- \frac{4 x^{6} + 12 x^{5} + 84 x^{4} - 210 x^{3} + 97 x^{2} - 16 x + 1}{(8 x - 1) (x - 1)^{2} (2 x^{2} - 5 x + 1)^{2}}$$

Sequence: A359622
Score: 7.6265
Type of gen. func.: ogf

$$- \frac{36 x^{5} - 120 x^{4} + 172 x^{3} - 67 x^{2} + 6 x + 1}{(8 x - 1) (x - 1)^{2} (2 x^{2} - 5 x + 1)^{2}}$$

Sequence: A359622
Score: 8.24278
Type of gen. func.: ogf

$$- \frac{36 x^{5} - 120 x^{4} + 172 x^{3} - 67 x^{2} + 6 x + 1}{(8 x - 1) (x - 1)^{2} (2 x^{2} - 5 x + 1)^{2}}$$

Sequence: A359632
Score: 6.12146
Type of gen. func.: ogf

$$- \frac{3 x^{7} + 12 x^{6} + 7 x^{5} + 4 x^{4} + 7 x^{3} + 4 x^{2} + 7 x + 12}{(x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1)}$$

Sequence: A359632
Score: 6.5196
Type of gen. func.: ogf

$$-\frac{3 x^{7} + 12 x^{6} + 7 x^{5} + 4 x^{4} + 7 x^{3} + 4 x^{2} + 7 x + 12}{(x - 1) (x + 1) (x^{2} + 1) (x^{4} + 1)}$$

Sequence: A359647
Score: 13.3728
Type of gen. func.: ogf

$$\mathrm{hypergeom}([1/4, 3/4], [2], 64 x)$$

Sequence: A359647
Score: 3.86496
Type of gen. func.: ogf

$$\{a(n + 2) n^{2} - 64 a(n + 1) n^{2} + 5 a(n + 2) n - 192 a(n + 1) n + 6 a(n + 2) - 140 a(n + 1), a(0) = 1, a(1) = 6\}$$

Sequence: A359651
Score: 6.54048
Type of gen. func.: ogf

$$-\frac{109 x^{9} - x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 111}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A359651
Score: 6.91157
Type of gen. func.: ogf

$$-\frac{109 x^{9} - x^{8} - x^{7} - x^{6} - x^{5} - x^{4} - x^{3} - x^{2} - x - 111}{(x^{2} + x + 1) (x^{6} + x^{3} + 1) (x - 1)^{2}}$$

Sequence: A359667

Score: 2.3005
Type of gen. func.: ogf

$$-(f(x)\ x - f(x) + 1)^{3}$$

Sequence: A359722
Score: 8.23355
Type of gen. func.: ogf

$$-\frac{8\ I\ x^{3} - (4\ x - 1)^{(3/2)} + 8\ I\ x - I}{2\ (4\ x - 1)^{3/2}\ x}$$

Sequence: A359738
Score: 10.8291
Type of gen. func.: ogf

$$\frac{2\ x^{4} + 2\ x^{3} + 2\ x^{2} + x + 1}{x^{2} + 1}$$

Sequence: A359738
Score: 12.4637
Type of gen. func.: ogf

$$\frac{2\ x^{4} + 2\ x^{3} + 2\ x^{2} + x + 1}{x^{2} + 1}$$

Sequence: A359738
Score: 6.60576
Type of gen. func.: ogf

$$\{-a(n + 5) - a(n + 3),\ a(0) = 1,\ a(1) = 1,\ a(2) = 1,\ a(3) = 1,\ a(4) = 1\}$$

Sequence: A359738
Score: 9.57356
Type of gen. func.: ogf

$$-2 x^4 + f(x) x^2 - 2 x^3 - 2 x^2 + f(x) - x - 1$$

Sequence: A359740
Score: 14.3107
Type of gen. func.: ogf

$$-\frac{x (4 x^3 - 5 x^2 - x + 1)}{(x - 1)^2}$$

Sequence: A359740
Score: 16.6472
Type of gen. func.: ogf

$$-\frac{x (4 x^3 - 5 x^2 - x + 1)}{(x - 1)^2}$$

Sequence: A359740
Score: 6.97188
Type of gen. func.: ogf

$\{-a(n + 5) + 2 a(n + 4) - a(n + 3), a(0) = 0, a(1) = -1, a(2) = -1, a(3) = 4,$

$a(4) = 5\}$

Sequence: A359740
Score: 7.03199
Type of gen. func.: ogf

$$-(2488 f(x) + 56709) (4 x^4 + f(x) x^2 - 5 x^3 - 2 f(x) x - x^2 + f(x) + x)$$

Sequence: A359758
Score: 9.31434
Type of gen. func.: ogf

$$\frac{(x - 1)^{5/2}}{}$$

$$(x^5 - 5 x^4 + 10 x^3 - 10 x^2 + 9 x - 1)^{1/2}$$

Sequence: A359761
Score: 14.6393
Type of gen. func.: egf]

$$\mathrm{hypergeom}([1/4, 3/4], [1], 32 x)$$

Sequence: A359761
Score: 5.04802
Type of gen. func.: ogf

$$\{-32 a(n + 1) n^2 + a(n + 2) n - 96 a(n + 1) n + 2 a(n + 2) - 70 a(n + 1),$$
$$a(0) = 1, a(1) = 6\}$$

Sequence: A359844
Score: 5.96303
Type of gen. func.: ogf

$$- (x^8 + 3272 x^7 + 165820 x^6 + 1242616 x^5 + 2337542 x^4 + 1242616 x^3 + 165820 x^2 + 3272 x + 1) / (x - 1)^9$$

Sequence: A359844
Score: 6.36391
Type of gen. func.: ogf

$$- (x^8 + 3272 x^7 + 165820 x^6 + 1242616 x^5 + 2337542 x^4 + 1242616 x^3 + 165820 x^2 + 3272 x + 1) / (x - 1)^9$$

Sequence: A359884
Score: 13.471
Type of gen. func.: ogf

$$- \frac{2 x - 1}{}$$

$$14 x^3 - 9 x^2 - 5 x + 1$$

Sequence: A359884
Score: 15.8138
Type of gen. func.: ogf

$$-\frac{2 x - 1}{14 x^3 - 9 x^2 - 5 x + 1}$$

Sequence: A359884
Score: 6.21739
Type of gen. func.: ogf

$$-(180059 f(x) - 11732) (14 f(x) x^3 - 9 f(x) x^2 - 5 f(x) x + f(x) + 2 x - 1)$$

Sequence: A359884
Score: 6.86259
Type of gen. func.: ogf

$$\{a(n + 3) - 5 a(n + 2) - 9 a(n + 1) + 14 a(n), a(0) = 1, a(1) = 3, a(2) = 24\}$$

Sequence: A359885
Score: 13.4103
Type of gen. func.: ogf

$$-\frac{-1 + 16 x}{128 x^2 - 60 x + 1}$$

Sequence: A359885
Score: 16.0269
Type of gen. func.: ogf

$$-\frac{-1 + 16 x}{128 x^2 - 60 x + 1}$$

Sequence: A359885
Score: 6.84483
Type of gen. func.: ogf

$$-(149 f(x) - 28) (128 f(x) x^2 - 60 f(x) x + f(x) + 16 x - 1)$$

Sequence: A359885
Score: 8.4244
Type of gen. func.: ogf

$$\{a(n + 2) - 60 a(n + 1) + 128 a(n), a(0) = 1, a(1) = 44\}$$

Sequence: A359886
Score: 3.77113
Type of gen. func.: ogf

$$\{a(n + 6) - 2 a(n + 5) - a(n + 4) - 58 a(n + 3) - 72 a(n + 2) - 32 a(n + 1) + 128 a(n), a(0) = 1, a(1) = 1, a(2) = 3, a(3) = 49, a(4) = 231, a(5) = 789\}$$

Sequence: A359886
Score: 8.45397
Type of gen. func.: ogf

$$-\frac{16 x^3 + x - 1}{128 x^6 - 32 x^5 - 72 x^4 - 58 x^3 - x^2 - 2 x + 1}$$

Sequence: A359886
Score: 9.26881
Type of gen. func.: ogf

$$-\frac{16 x^3 + x - 1}{128 x^6 - 32 x^5 - 72 x^4 - 58 x^3 - x^2 - 2 x + 1}$$

Sequence: A359945
Score: 10.0784

Type of gen. func.: ogf

$$\frac{x\,(22\,x^{23} - 22\,x^{22} + 6\,x^{9} - 6\,x^{8} + 4\,x^{5} - 4\,x^{4} - 1)}{x - 1}$$

Sequence: A359945
Score: 11.1255
Type of gen. func.: ogf

$$\frac{x\,(22\,x^{23} - 22\,x^{22} + 6\,x^{9} - 6\,x^{8} + 4\,x^{5} - 4\,x^{4} - 1)}{x - 1}$$

Sequence: A359952
Score: 4.99707
Type of gen. func.: ogf

$$(17648457387563954963783944\ f(x) + 124258076670294295395883496061)$$

$$(f(x)\ x^{3} + 16950\ x^{4} + 20769\ x^{3} + 5\ x^{2} - f(x) + 1093\ x + 2)$$

Sequence: A359952
Score: 7.02291
Type of gen. func.: ogf

$\{-a(n + 5) + a(n + 2), a(0) = 2, a(1) = 1093, a(2) = 5, a(3) = 20771,$

$a(4) = 18043\}$

Sequence: A359952
Score: 8.47329
Type of gen. func.: ogf

$$-\frac{16950\,x^{4} + 20769\,x^{3} + 5\,x^{2} + 1093\,x + 2}{(x - 1)\,(x^{2} + x + 1)}$$

Sequence: A359952
Score: 9.28027
Type of gen. func.: ogf

$$-\frac{16950 x^4 + 20769 x^3 + 5 x^2 + 1093 x + 2}{(x - 1) (x^2 + x + 1)}$$

Sequence: A359984
Score: 4.43244
Type of gen. func.: ogf

$$f(x)^3 x^3 + 3 f(x)^3 x^2 + 3 f(x)^3 x - 3 f(x)^2 x^2 + f(x)^3 - 7 f(x)^2 x - f(x)^2 + 4 f(x) x - f(x) + 1$$

Sequence: A359987
Score: 11.9362
Type of gen. func.: ogf

$$-\frac{4 x^2 - 2 x + 1}{(8 x - 1) (2 x^2 - 5 x + 1)}$$

Sequence: A359987
Score: 13.6114
Type of gen. func.: ogf

$$-\frac{4 x^2 - 2 x + 1}{(8 x - 1) (2 x^2 - 5 x + 1)}$$

Sequence: A359987
Score: 6.30774
Type of gen. func.: ogf

$$(887133 f(x) - 51970) (16 f(x) x^3 - 42 f(x) x^2 + 13 f(x) x + 4 x^2 - f(x) - 2 x + 1)$$

Sequence: A359987

Score: 7.0532
Type of gen. func.: ogf

$$\{a(n+3) - 13\,a(n+2) + 42\,a(n+1) - 16\,a(n),\ a(0) = 1,\ a(1) = 11,\ a(2) = 105\}$$

Sequence: A359988
Score: 3.63423
Type of gen. func.: ogf

$$\{a(n+5) - 54\,a(n+4) + 777\,a(n+3) - 2390\,a(n+2) + 1736\,a(n+1) - 256\,a(n),\ a(0) = 3,\ a(1) = 105,\ a(2) = 3665,\ a(3) = 123215,\ a(4) = 4051679\}$$

Sequence: A359988
Score: 6.48726
Type of gen. func.: ogf

$$-\frac{32x^4 - 280x^3 + 326x^2 - 57x + 3}{(32x - 1)(8x^4 - 54x^3 + 73x^2 - 22x + 1)}$$

Sequence: A359988
Score: 7.01149
Type of gen. func.: ogf

$$-\frac{32x^4 - 280x^3 + 326x^2 - 57x + 3}{(32x - 1)(8x^4 - 54x^3 + 73x^2 - 22x + 1)}$$

Sequence: A360023
Score: 11.352
Type of gen. func.: ogf

$$\frac{x(7x^4 + 4x^2 - 4x + 1)}{(x - 1)^2(3x - 1)^2(x + 1)^2}$$

Sequence: A360023
Score: 12.6682
Type of gen. func.: ogf

$$\frac{x\,(7\,x^{4} + 4\,x^{2} - 4\,x + 1)}{(x - 1)^{2}\,(3\,x - 1)^{2}\,(x + 1)^{2}}$$

Sequence: A360023
Score: 4.41469
Type of gen. func.: ogf

$$\{-a(n + 6) + 6\,a(n + 5) - 7\,a(n + 4) - 12\,a(n + 3) + 17\,a(n + 2) + 6\,a(n + 1) - 9\,a(n),\ a(0) = 0,\ a(1) = 1,\ a(2) = 2,\ a(3) = 9,\ a(4) = 28,\ a(5) = 105\}$$

Sequence: A360024
Score: 7.81124
Type of gen. func.: ogf

$$\frac{(4\,x^{2} - x + 1)^{1/2}\ I - (x - 1)^{1/2}}{2\,x^{2}\,(x - 1)^{1/2}}$$

Sequence: A360024
Score: 9.63724
Type of gen. func.: ogf

$$-f(x)^{2}\,x^{3} + f(x)^{2}\,x^{2} - f(x)\,x + f(x) - 1$$

Sequence: A360025
Score: 9.75677
Type of gen. func.: ogf

$$-f(x)^{2}\,x^{4} + f(x)^{2}\,x^{3} - f(x)\,x + f(x) - 1$$

Sequence: A360027
Score: 3.22238
Type of gen. func.: ogf

$$-(x^5 - x + 1)\left(x^{15} - 9x^{11} + 9x^{10} + 6x^7 - 12x^6 + 6x^5 - x^3 + 3x^2 - 3x + 1\right) \Big/ \left((x - 1)(x^{10} - 3x^6 + 3x^5 + x^2 - 2x + 1)(5x^{10} - 5x^6 + 5x^5 + x^2 - 2x + 1)\right)$$

Sequence: A360027
Score: 3.34692
Type of gen. func.: ogf

$$-(x^5 - x + 1)\left(x^{15} - 9x^{11} + 9x^{10} + 6x^7 - 12x^6 + 6x^5 - x^3 + 3x^2 - 3x + 1\right) \Big/ \left((x - 1)(x^{10} - 3x^6 + 3x^5 + x^2 - 2x + 1)(5x^{10} - 5x^6 + 5x^5 + x^2 - 2x + 1)\right)$$

Sequence: A360035
Score: 15.2481
Type of gen. func.: ogf

$$-\frac{2x^2(x - 1)}{(x + 1)^2(3x - 1)^2}$$

Sequence: A360035
Score: 17.9589
Type of gen. func.: ogf

$$-\frac{2x^2(x - 1)}{(x + 1)^2(3x - 1)^2}$$

Sequence: A360035
Score: 6.03098
Type of gen. func.: ogf

$$-(5 f(x) + 2)\left(9 f(x) x^4 + 12 f(x) x^3 - 2 f(x) x^2 + 2 x^3 - 4 f(x) x - 2 x^2 + f(x)\right)$$

Sequence: A360035
Score: 6.07632
Type of gen. func.: ogf

$$\{-a(n + 4) + 4 a(n + 3) + 2 a(n + 2) - 12 a(n + 1) - 9 a(n), a(0) = 0, a(1) = 0, a(2) = 2, a(3) = 6\}$$

Sequence: A360036
Score: 11.0244
Type of gen. func.: ogf

$$-\frac{2 x^3 (x^2 + 6 x - 3)}{(x - 1)^2 (3 x - 1)^2 (x + 1)^2}$$

Sequence: A360036
Score: 12.3813
Type of gen. func.: ogf

$$-\frac{2 x^3 (x^2 + 6 x - 3)}{(x - 1)^2 (3 x - 1)^2 (x + 1)^2}$$

Sequence: A360036
Score: 4.10604
Type of gen. func.: ogf

$$\{a(n + 6) - 6 a(n + 5) + 7 a(n + 4) + 12 a(n + 3) - 17 a(n + 2) - 6 a(n + 1) + 9 a(n), a(0) = 0, a(1) = 0, a(2) = 0, a(3) = 6, a(4) = 24, a(5) = 100\}$$

Sequence: A360045

Score: 8.00335
Type of gen. func.: ogf

$$\frac{(x - 1)^{(3/2)} + (5 x^3 - 3 x^2 + 3 x - 1)^{1/2}}{2 x^3 (x - 1)^{3/2}}$$

Sequence: A360048
Score: 3.1689
Type of gen. func.: ogf

$\{a(n + 4) n - 3 a(n + 3) n + 7 a(n + 2) n - 5 a(n + 1) n + 6 a(n + 4) - 15 a(n + 3) + 24 a(n + 2) - 15 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 2, a(3) = 0\}$

Sequence: A360048
Score: 6.44997
Type of gen. func.: ogf

$$-f(x)^2 x^4 + 2 f(x)^2 x^3 - f(x)^2 x^2 - f(x) x^2 + 2 f(x) x - f(x) + 1$$

Sequence: A360048
Score: 9.9842
Type of gen. func.: ogf

$$-\frac{x - 1 + (5 x^2 - 2 x + 1)^{1/2}}{2 x^2 (x - 1)}$$

Sequence: A360049
Score: 7.18967
Type of gen. func.: ogf

$$-\frac{(x - 1)^{(3/2)} + (3 x^3 + 3 x^2 - 3 x + 1)^{1/2} I}{2 x^3 (x - 1)^{3/2}}$$

Sequence: A360058
Score: 5.01701
Type of gen. func.: ogf

$$f(x)^2 x^4 - 3 f(x)^2 x^3 + 3 f(x)^2 x^2 + f(x) x^3 - f(x)^2 x - 3 f(x) x^2 + 3 f(x) x - f(x) + 1$$

Sequence: A360058
Score: 7.70654
Type of gen. func.: ogf

$$- \frac{(x - 1)^{(3/2)} + (x^3 - 3 x^2 - x - 1)^{1/2}}{2 x (x - 1)^{3/2}}$$

Sequence: A360059
Score: 8.0765
Type of gen. func.: ogf

$$\frac{-x^2 + (x^4 - 4 x^3 + 6 x^2 + 1)^{1/2} + 2 x - 1}{2 x (x - 1)^2}$$

Sequence: A360064
Score: 6.34627
Type of gen. func.: ogf

$$- \frac{16 x^3 - 4 x^2 + 8 x - 1}{128 x^6 - 224 x^5 - 112 x^4 + 64 x^3 - 20 x^2 - 13 x + 1}$$

Sequence: A360064
Score: 6.88069
Type of gen. func.: ogf

$$- \frac{16 x^3 - 4 x^2 + 8 x - 1}{128 x^6 - 224 x^5 - 112 x^4 + 64 x^3 - 20 x^2 - 13 x + 1}$$

Sequence: A360065
Score: 4.25881
Type of gen. func.: ogf

$$\{a(n+5) - 7\,a(n+4) - 42\,a(n+3) - 6\,a(n+2) + 81\,a(n+1) - 27\,a(n),$$

$$a(0) = 1,\ a(1) = 2,\ a(2) = 45,\ a(3) = 412,\ a(4) = 4705\}$$

Sequence: A360065
Score: 7.75552
Type of gen. func.: ogf

$$-\frac{7x^3 - 11x^2 - 5x + 1}{(x-1)(3x+1)(9x^3 - 21x^2 - 9x + 1)}$$

Sequence: A360065
Score: 8.46867
Type of gen. func.: ogf

$$-\frac{7x^3 - 11x^2 - 5x + 1}{(x-1)(3x+1)(9x^3 - 21x^2 - 9x + 1)}$$

Sequence: A360066
Score: 5.74164
Type of gen. func.: ogf

$$-\frac{7x^4 - 23x^3 - 18x^2 - 15x + 1}{27x^6 - 140x^5 - 14x^4 - 146x^3 + 176x^2 + 26x - 1}$$

Sequence: A360066
Score: 6.1791
Type of gen. func.: ogf

$$-\frac{7x^4 - 23x^3 - 18x^2 - 15x + 1}{27x^6 - 140x^5 - 14x^4 - 146x^3 + 176x^2 + 26x - 1}$$

Sequence: A360076
Score: 7.32625
Type of gen. func.: ogf

$$f(x)^2 x^4 + 3 f(x)^2 x^3 + 3 f(x)^2 x^2 + f(x)^2 x - f(x) + 1$$

Sequence: A360076
Score: 7.64828
Type of gen. func.: ogf

$$\frac{1/2\, I\, ((4 x^4 + 12 x^3 + 12 x^2 + 4 x - 1)^{1/2} - I)}{x (x + 1)^3}$$

Sequence: A360084
Score: 7.44633
Type of gen. func.: ogf

$$f(x)^2 x^4 + 3 f(x)^2 x^3 + 3 f(x)^2 x^2 + f(x)^2 x + f(x) - 1$$

Sequence: A360084
Score: 8.13105
Type of gen. func.: ogf

$$\frac{-1 + (4 x^4 + 12 x^3 + 12 x^2 + 4 x + 1)^{1/2}}{2 x (x + 1)^3}$$

Sequence: A360087
Score: 16.3287
Type of gen. func.: ogf

$$\frac{1}{x^4 + 3 x^3 + 3 x^2 + x + 1}$$

Sequence: A360087
Score: 19.8593
Type of gen. func.: ogf

$$\frac{1}{x^4 + 3 x^3 + 3 x^2 + x + 1}$$

Sequence: A360087
Score: 5.48353
Type of gen. func.: ogf

$$\{-a(n + 4) - a(n + 3) - 3 a(n + 2) - 3 a(n + 1) - a(n), a(0) = 1, a(1) = -1, a(2) = -2, a(3) = 2\}$$

Sequence: A360087
Score: 6.02289
Type of gen. func.: ogf

$$-(5 f(x) - 14) (f(x) x^4 + 3 f(x) x^3 + 3 f(x) x^2 + f(x) x + f(x) - 1)$$

Sequence: A360088
Score: 14.1054
Type of gen. func.: ogf

$$\frac{1}{x^5 + 4 x^4 + 6 x^3 + 4 x^2 + x + 1}$$

Sequence: A360088
Score: 16.6131
Type of gen. func.: ogf

$$\frac{1}{x^5 + 4 x^4 + 6 x^3 + 4 x^2 + x + 1}$$

Sequence: A360088
Score: 4.53084

Type of gen. func.: ogf

{-a(n + 5) - a(n + 4) - 4 a(n + 3) - 6 a(n + 2) - 4 a(n + 1) - a(n), a(0) = 1,

a(1) = -1, a(2) = -3, a(3) = 1, a(4) = 13}

Sequence: A360089
Score: 12.1026
Type of gen. func.: ogf

$$\frac{1}{x^6 + 5 x^5 + 10 x^4 + 10 x^3 + 5 x^2 + x + 1}$$

Sequence: A360089
Score: 13.8629
Type of gen. func.: ogf

$$\frac{1}{x^6 + 5 x^5 + 10 x^4 + 10 x^3 + 5 x^2 + x + 1}$$

Sequence: A360089
Score: 3.85082
Type of gen. func.: ogf

{-a(n + 6) - a(n + 5) - 5 a(n + 4) - 10 a(n + 3) - 10 a(n + 2) - 5 a(n + 1)

- a(n), a(0) = 1, a(1) = -1, a(2) = -4, a(3) = -1, a(4) = 21, a(5) = 29}

Sequence: A360090
Score: 11.1665
Type of gen. func.: ogf

$$-\frac{1}{x^6 + 5 x^5 + 10 x^4 + 10 x^3 + 5 x^2 + x - 1}$$

Sequence: A360090
Score: 12.6806
Type of gen. func.: ogf

$$-\frac{1}{x^6 + 5\,x^5 + 10\,x^4 + 10\,x^3 + 5\,x^2 + x - 1}$$

Sequence: A360090
Score: 3.74077
Type of gen. func.: ogf

$$\{-a(n + 6) + a(n + 5) + 5\,a(n + 4) + 10\,a(n + 3) + 10\,a(n + 2) + 5\,a(n + 1) + a(n),\ a(0) = 1,\ a(1) = 1,\ a(2) = 6,\ a(3) = 21,\ a(4) = 71,\ a(5) = 251\}$$

Sequence: A360100
Score: 6.21793
Type of gen. func.: ogf

$$-f(x)\,x^3 - f(x)^2\,x + 3\,f(x)\,x^2 + x^3 - 3\,f(x)\,x - 3\,x^2 + f(x) + 3\,x - 1$$

Sequence: A360100
Score: 7.07982
Type of gen. func.: ogf

$$-\frac{(x - 1)^{(3/2)}\,(x^3 - 3\,x^2 + 7\,x - 1)^{1/2} + x^3 - 3\,x^2 + 3\,x - 1}{2\,x}$$

Sequence: A360102
Score: 7.79136
Type of gen. func.: ogf

$$\frac{(x^3 - 3\,x^2 + 7\,x - 1)^{1/2}\,(x - 1)^{1/2} + x^2 - 2\,x + 1}{2\,x}$$

Sequence: A360102
Score: 8.94563
Type of gen. func.: ogf

$$f(x)^2\,x - f(x)\,x^2 + 2\,f(x)\,x - f(x) - x + 1$$

Sequence: A360103
Score: 5.42228
Type of gen. func.: ogf

$$f(x) x^4 - 4 f(x) x^3 - f(x)^2 x + 6 f(x) x^2 + x^3 - 4 f(x) x - 3 x^2 + f(x) + 3 x - 1$$

Sequence: A360132
Score: 8.47309
Type of gen. func.: ogf

$$-\frac{(x - 1)^3}{(x^6 - 6 x^5 + 15 x^4 - 20 x^3 + 15 x^2 - 10 x + 1)^{1/2}}$$

Sequence: A360133
Score: 3.39657
Type of gen. func.: ogf

$$\{-a(n + 4) n - 2 a(n + 2) n - 4 a(n + 1) n - a(n) n - 4 a(n + 4) + 2 a(n + 3) - 8 a(n + 2) - 4 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 0, a(3) = -4\}$$

Sequence: A360133
Score: 7.36484
Type of gen. func.: ogf

$$-f(x)^2 x^3 - 3 f(x)^2 x^2 + f(x)^2 x + x^3 - f(x)^2 + 3 x^2 + 3 x + 1$$

Sequence: A360133
Score: 7.66855
Type of gen. func.: ogf

$$\frac{((x^3 + 3 x^2 - x + 1) (x + 1))^{1/2} (x + 1)}{x^3 + 3 x^2 - x + 1}$$

Sequence: A360143
Score: 5.08582
Type of gen. func.: ogf

$$4 f(x)^2 x^4 - 9 f(x)^2 x^3 + 22 f(x)^2 x^2 - 9 f(x)^2 x - 8 f(x) x^2 + x^3 + f(x)^2 + 6 f(x) x - f(x)$$

Sequence: A360143
Score: 5.73589
Type of gen. func.: ogf

$$\frac{8 x^2 - 6 x + 1 + (-(4 x - 1) (2 x^3 - 2 x^2 + 4 x - 1)^2)^{1/2}}{2 (4 x - 1) (x^3 - 2 x^2 + 5 x - 1)}$$

Sequence: A360146
Score: 4.81925
Type of gen. func.: ogf

$$\frac{210 (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A360146
Score: 5.02432
Type of gen. func.: ogf

$$\frac{210 (x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)}{(x + 1) (x^4 + x^3 + x^2 + x + 1) (x^4 - x^3 + x^2 - x + 1) (x - 1)^2}$$

Sequence: A360149
Score: 4.42718
Type of gen. func.: ogf

$$-4 f(x)^2 x^4 + 17 f(x)^2 x^3 - 24 f(x)^2 x^2 - 4 f(x) x^3 + 9 f(x)^2 x + 13 f(x) x^2 - x^3 - f(x)^2 - 7 f(x) x + f(x)$$

Sequence: A360149
Score: 5.30014
Type of gen. func.: ogf

$$\frac{-4 x^{3} + 13 x^{2} - 7 x + 1 + \left(-(4 x - 1) (2 x^{3} - 5 x^{2} + 5 x - 1)^{2}\right)^{1/2}}{2 (4 x - 1) (x^{3} - 4 x^{2} + 5 x - 1)}$$

Sequence: A360150
Score: 4.25469
Type of gen. func.: ogf

$$-4 f(x)^{2} x^{4} + 17 f(x)^{2} x^{3} - 24 f(x)^{2} x^{2} - 4 f(x) x^{3} + 9 f(x)^{2} x + 13 f(x) x^{2}$$
$$- f(x)^{2} - 7 f(x) x - x^{2} + f(x)$$

Sequence: A360150
Score: 5.39774
Type of gen. func.: ogf

$$\frac{-4 x^{3} + 13 x^{2} - 7 x + 1 + \left(-(4 x - 1) (3 x^{2} - 5 x + 1)^{2}\right)^{1/2}}{2 (4 x - 1) (x^{3} - 4 x^{2} + 5 x - 1)}$$

Sequence: A360153
Score: 11.3258
Type of gen. func.: ogf

$$\frac{-I}{(4 x - 1)^{1/2} (x^{2} + x + 1) (x - 1)}$$

Sequence: A360153
Score: 2.92428
Type of gen. func.: ogf

$$\{-a(n + 5) n + 4 a(n + 4) n + a(n + 2) n - 4 a(n + 1) n - 5 a(n + 5)$$
$$+ 18 a(n + 4) + 5 a(n + 2) - 18 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 6,$$

a(3) = 21, a(4) = 72}

Sequence: A360168
Score: 4.23741
Type of gen. func.: ogf

$$16 f(x)^{2} x^{4} - 40 f(x)^{2} x^{3} + 33 f(x)^{2} x^{2} + 12 f(x) x^{3} - 10 f(x)^{2} x - 19 f(x) x^{2} + x^{3} + f(x)^{2} + 8 f(x) x - f(x)$$

Sequence: A360168
Score: 7.88249
Type of gen. func.: ogf

$$\frac{-3 x + 1 + (-(4 x - 1) (x - 1)^{2})^{1/2}}{2 (4 x - 1) (x - 1)}$$

Sequence: A360185
Score: 13.0716
Type of gen. func.: ogf

$$\frac{-I}{(4 x - 1)^{1/2} (-x + I) (x + I)}$$

Sequence: A360185
Score: 3.33864
Type of gen. func.: ogf

{-a(n + 4) n + 4 a(n + 3) n - a(n + 2) n + 4 a(n + 1) n - 4 a(n + 4)

+ 14 a(n + 3) - 4 a(n + 2) + 14 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 5,

a(3) = 18}

Sequence: A360185
Score: 3.33864
Type of gen. func.: ogf

{-a(n + 4) n + 4 a(n + 3) n - a(n + 2) n + 4 a(n + 1) n - 4 a(n + 4)

```
     + 14 a(n + 3) - 4 a(n + 2) + 14 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 5,

    a(3) = 18}


------------------------------------------------------------------------------

Sequence:  A360186
Score: 11.3258
Type of gen. func.: ogf


                                       I
                       ---------------------------------
                         2                    1/2
                       (x  - x + 1) (4 x - 1)    (x + 1)


------------------------------------------------------------------------------

Sequence:  A360186
Score: 2.92428
Type of gen. func.: ogf


{-a(n + 5) n + 4 a(n + 4) n - a(n + 2) n + 4 a(n + 1) n - 5 a(n + 5)

     + 18 a(n + 4) - 5 a(n + 2) + 18 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 6,

    a(3) = 19, a(4) = 68}


------------------------------------------------------------------------------

Sequence:  A360186
Score: 2.92428
Type of gen. func.: ogf


{-a(n + 5) n + 4 a(n + 4) n - a(n + 2) n + 4 a(n + 1) n - 5 a(n + 5)

     + 18 a(n + 4) - 5 a(n + 2) + 18 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 6,

    a(3) = 19, a(4) = 68}


------------------------------------------------------------------------------

Sequence:  A360191
Score: 16.5549
Type of gen. func.: ogf_with_Euler_transform]

                                     3 x + 5
                               - ---------------
                                 (x - 1) (x + 1)


------------------------------------------------------------------------------

Sequence:  A360197
Score: 3.92248
Type of gen. func.: ogf
```

$\{a(n + 6) - 4 a(n + 5) + 6 a(n + 4) - 5 a(n + 3) + 2 a(n + 2) + a(n + 1) - a(n)$

$, a(0) = 0, a(1) = 3, a(2) = 9, a(3) = 24, a(4) = 58, a(5) = 125\}$

Sequence: A360197
Score: 7.96627
Type of gen. func.: ogf

$$\frac{x (2 x^4 - x^3 - 6 x^2 + 3 x - 3)}{(x^4 + x^3 - x^2 + 2 x - 1) (x - 1)^2}$$

Sequence: A360197
Score: 8.68234
Type of gen. func.: ogf

$$\frac{x (2 x^4 - x^3 - 6 x^2 + 3 x - 3)}{(x^4 + x^3 - x^2 + 2 x - 1) (x - 1)^2}$$

Sequence: A360201
Score: 11.7726
Type of gen. func.: ogf

$$- \frac{3 x^2 + 5 x + 1}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A360201
Score: 13.4249
Type of gen. func.: ogf

$$- \frac{3 x^2 + 5 x + 1}{(x^2 + x - 1) (x - 1)^2}$$

Sequence: A360201
Score: 5.38887
Type of gen. func.: ogf

$-(359379 f(x) + 56596)$

$(f(x) x^4 - f(x) x^3 - 2 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) + 5 x + 1)$

Sequence: A360201
Score: 5.62662
Type of gen. func.: ogf

$\{-a(n + 4) + 3 a(n + 3) - 2 a(n + 2) - a(n + 1) + a(n), a(0) = 1, a(1) = 8,$

$a(2) = 25, a(3) = 58\}$

Sequence: A360211
Score: 5.71278
Type of gen. func.: ogf

$-4 f(x)^2 x^4 + f(x)^2 x^3 - 4 f(x)^2 x^2 - 3 f(x)^2 x + 4 f(x) x^2 + f(x)^2 - f(x) x$

$- 1$

Sequence: A360211
Score: 7.34501
Type of gen. func.: ogf

$$- \frac{-4 x^2 + (-(4 x - 1) (x + 2)^2)^{1/2} + x}{2 (4 x - 1) (x^3 + x + 1)}$$

Sequence: A360219
Score: 12.1894
Type of gen. func.: ogf

$$-4 f(x)^2 x^4 + 4 f(x)^2 x - f(x)^2 + 1$$

Sequence: A360219
Score: 23.2706
Type of gen. func.: ogf

$$\overline{\qquad (4 x^4 - 4 x + 1)^{1/2} \qquad}$$

Sequence: A360219
Score: 3.83965
Type of gen. func.: ogf

$$\{-a(n + 5) n + 4 a(n + 4) n - 4 a(n + 1) n - 5 a(n + 5) + 18 a(n + 4) - 12 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 20, a(4) = 68\}$$

Sequence: A360219
Score: 3.83965
Type of gen. func.: ogf

$$\{-a(n + 5) n + 4 a(n + 4) n - 4 a(n + 1) n - 5 a(n + 5) + 18 a(n + 4) - 12 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 20, a(4) = 68\}$$

Sequence: A360222
Score: 12.0408
Type of gen. func.: ogf

$$\frac{4 x (x^3 - 4 x^2 - x - 2)}{(x + 1) (x - 1)^3}$$

Sequence: A360222
Score: 13.6199
Type of gen. func.: ogf

$$\frac{4 x (x^3 - 4 x^2 - x - 2)}{(x + 1) (x - 1)^3}$$

Sequence: A360222
Score: 6.0204
Type of gen. func.: ogf

$$\{a(n + 5) - 2 a(n + 4) + 2 a(n + 2) - a(n + 1), a(0) = 0, a(1) = 8, a(2) = 20,$$

$a(3) = 56, a(4) = 92\}$

Sequence: A360222
Score: 6.3421
Type of gen. func.: ogf

$$-(35 f(x) - 576)$$

$$(f(x) x^4 - 2 f(x) x^3 - 4 x^4 + 16 x^3 + 2 f(x) x + 4 x^2 - f(x) + 8 x)$$

Sequence: A360261
Score: 11.6031
Type of gen. func.: ogf

$$-\frac{1 + 2 x}{(2 x - 1) (16 x^4 + 12 x^3 + 5 x^2 + 3 x + 1)}$$

Sequence: A360261
Score: 12.9885
Type of gen. func.: ogf

$$-\frac{1 + 2 x}{(2 x - 1) (16 x^4 + 12 x^3 + 5 x^2 + 3 x + 1)}$$

Sequence: A360261
Score: 5.30629
Type of gen. func.: ogf

$\{a(n + 5) + a(n + 4) - a(n + 3) + 2 a(n + 2) - 8 a(n + 1) - 32 a(n), a(0) = 1,$

$a(1) = 1, a(2) = 0, a(3) = -1, a(4) = 7\}$

Sequence: A360262
Score: 3.58976
Type of gen. func.: ogf

$\{a(n + 5) + 2 a(n + 4) - 2 a(n + 3) + 6 a(n + 2) - 54 a(n + 1) - 243 a(n),$

$a(0) = 1, a(1) = 1, a(2) = 0, a(3) = -4, a(4) = 56\}$

Sequence: A360262
Score: 7.88802
Type of gen. func.: ogf

$$- \frac{3 x + 1}{(3 x - 1) (81 x^4 + 45 x^3 + 13 x^2 + 5 x + 1)}$$

Sequence: A360262
Score: 8.81603
Type of gen. func.: ogf

$$- \frac{3 x + 1}{(3 x - 1) (81 x^4 + 45 x^3 + 13 x^2 + 5 x + 1)}$$

Sequence: A360263
Score: 3.31698
Type of gen. func.: ogf

{-a(n + 5) + 2 a(n + 4) + 2 a(n + 3) - 2 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 1,

a(1) = 3, a(2) = 8, a(3) = 20, a(4) = 48}

Sequence: A360263
Score: 7.54272
Type of gen. func.: ogf

$$- \frac{x + 1}{(x - 1) (x^4 - x^3 - 3 x^2 - x + 1)}$$

Sequence: A360263
Score: 8.47105
Type of gen. func.: ogf

$$- \frac{x + 1}{(x - 1) (x^4 - x^3 - 3 x^2 - x + 1)}$$

Sequence: A360266
Score: 11.6878
Type of gen. func.: ogf

$$4 f(x)^2 x^3 + 4 f(x)^2 x - f(x)^2 + 1$$

Sequence: A360266
Score: 22.313
Type of gen. func.: ogf

$$\frac{1}{(-4 x^3 - 4 x + 1)^{1/2}}$$

Sequence: A360266
Score: 3.93759
Type of gen. func.: ogf

$$\{-a(n + 4) n + 4 a(n + 3) n + 4 a(n + 1) n - 4 a(n + 4) + 14 a(n + 3) + 10 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 22\}$$

Sequence: A360266
Score: 3.93759
Type of gen. func.: ogf

$$\{-a(n + 4) n + 4 a(n + 3) n + 4 a(n + 1) n - 4 a(n + 4) + 14 a(n + 3) + 10 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 22\}$$

Sequence: A360267
Score: 11.4292
Type of gen. func.: ogf

$$-4 f(x)^2 x^4 - 4 f(x)^2 x + f(x)^2 - 1$$

Sequence: A360267
Score: 21.8194
Type of gen. func.: ogf

1

$$\overline{\qquad\qquad\qquad}$$
$$(-4 x^4 - 4 x + 1)^{1/2}$$

Sequence: A360267
Score: 3.6002
Type of gen. func.: ogf

{-4 a(n + 4) n - 4 a(n + 1) n + a(n + 5) n - 18 a(n + 4) - 12 a(n + 1)

+ 5 a(n + 5), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 20, a(4) = 72}

Sequence: A360267
Score: 3.6002
Type of gen. func.: ogf

{-4 a(n + 4) n - 4 a(n + 1) n + a(n + 5) n - 18 a(n + 4) - 12 a(n + 1)

+ 5 a(n + 5), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 20, a(4) = 72}

Sequence: A360271
Score: 12.4816
Type of gen. func.: ogf

$$f(x)^2 x^4 - f(x)^2 x + f(x) - 1$$

Sequence: A360272
Score: 12.764
Type of gen. func.: ogf

$$-f(x)^2 x^4 - f(x)^2 x + f(x) - 1$$

Sequence: A360273
Score: 2.74813
Type of gen. func.: ogf

{-a(n + 4) n + 4 a(n + 3) n + a(n + 2) n - 4 a(n + 1) n - 5 a(n + 4)

+ 14 a(n + 3) + 5 a(n + 2) - 14 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 3,

a(3) = 6}

Sequence: A360273
Score: 2.74813
Type of gen. func.: ogf

{-a(n + 4) n + 4 a(n + 3) n + a(n + 2) n - 4 a(n + 1) n - 5 a(n + 4)

+ 14 a(n + 3) + 5 a(n + 2) - 14 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 3,

a(3) = 6}

Sequence: A360273
Score: 8.20871
Type of gen. func.: ogf

$$\frac{-1/2\, I\, ((4 x - 1)^{1/2} - I)}{x (x + 1) (x - 1)}$$

Sequence: A360274
Score: 3.05795
Type of gen. func.: ogf

{-4 a(n + 4) n + 4 a(n + 1) n + a(n + 5) n - a(n + 2) n - 18 a(n + 4)

+ 18 a(n + 1) + 6 a(n + 5) - 6 a(n + 2), a(0) = 1, a(1) = 1, a(2) = 2,

a(3) = 6, a(4) = 15}

Sequence: A360274
Score: 3.05795
Type of gen. func.: ogf

{-4 a(n + 4) n + 4 a(n + 1) n + a(n + 5) n - a(n + 2) n - 18 a(n + 4)

+ 18 a(n + 1) + 6 a(n + 5) - 6 a(n + 2), a(0) = 1, a(1) = 1, a(2) = 2,

a(3) = 6, a(4) = 15}

Sequence: A360274
Score: 8.74214
Type of gen. func.: ogf

$$\frac{-1/2\, I\, ((4 x - 1)^{1/2} - I)}{x (x^{2} + x + 1) (x - 1)}$$

Sequence: A360278
Score: 13.9704
Type of gen. func.: ogf

$$-\frac{x^3 - 4x^2 + 4x + 4}{(x - 1)(x + 1)(x^2 - 3x + 1)}$$

Sequence: A360278
Score: 15.4219
Type of gen. func.: ogf

$$-\frac{x^3 - 4x^2 + 4x + 4}{(x - 1)(x + 1)(x^2 - 3x + 1)}$$

Sequence: A360278
Score: 9.42449
Type of gen. func.: ogf

$$-(175 f(x) - 29)(f(x) x^4 - 3 f(x) x^3 + x^3 + 3 f(x) x - 4 x^2 - f(x) + 4 x + 4)$$

Sequence: A360278
Score: 9.89572
Type of gen. func.: ogf

{-a(n + 4) + 3 a(n + 3) - 3 a(n + 1) + a(n), a(0) = 4, a(1) = 16, a(2) = 44,

a(3) = 121}

Sequence: A360290
Score: 10.3708
Type of gen. func.: ogf

$$f(x)^2 x^2 + 4 f(x)^2 x - f(x)^2 - x^2 + 1$$

Sequence: A360290
Score: 2.96907
Type of gen. func.: ogf

$$\{a(n + 4) n + 4 a(n + 1) n - 4 a(n + 3) n - 2 a(n + 2) n + a(n) n + 4 a(n + 4) + 2 a(n + 1) - 14 a(n + 3) - 4 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 22\}$$

Sequence: A360290
Score: 2.96907
Type of gen. func.: ogf

$$\{a(n + 4) n + 4 a(n + 1) n - 4 a(n + 3) n - 2 a(n + 2) n + a(n) n + 4 a(n + 4) + 2 a(n + 1) - 14 a(n + 3) - 4 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 22\}$$

Sequence: A360290
Score: 8.6627
Type of gen. func.: ogf

$$-\frac{((x^2 + 4 x - 1) (x - 1) (x + 1))^{1/2}}{x^2 + 4 x - 1}$$

Sequence: A360291
Score: 10.1414
Type of gen. func.: ogf

$$-f(x)^2 x^3 - 4 f(x)^2 x + x^3 + f(x)^2 - 1$$

Sequence: A360291
Score: 7.74236
Type of gen. func.: ogf

$$-\frac{((x^3 + 4 x - 1) (x - 1) (x^2 + x + 1))^{1/2}}{x^3 + 4 x - 1}$$

Sequence: A360292
Score: 10.0496
Type of gen. func.: ogf

$$-f(x)^2 x^4 + x^4 - 4 f(x)^2 x + f(x)^2 - 1$$

Sequence: A360292
Score: 7.06459
Type of gen. func.: ogf

$$-\frac{((x^4 + 4 x - 1) (x - 1) (x + 1) (x^2 + 1))^{1/2}}{x^4 + 4 x - 1}$$

Sequence: A360293
Score: 10.1584
Type of gen. func.: ogf

$$\frac{((x^2 - 4 x + 1) (x^2 + 1))^{1/2}}{x^2 - 4 x + 1}$$

Sequence: A360293
Score: 10.4446
Type of gen. func.: ogf

$$f(x)^2 x^2 - 4 f(x)^2 x + f(x)^2 - x^2 - 1$$

Sequence: A360293
Score: 2.99017
Type of gen. func.: ogf

{a(n + 4) n - 4 a(n + 1) n - 4 a(n + 3) n + 2 a(n + 2) n + a(n) n + 4 a(n + 4)

- 2 a(n + 1) - 14 a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 6,

a(3) = 18}

Sequence: A360293
Score: 2.99017
Type of gen. func.: ogf

$$\{a(n + 4) n - 4 a(n + 1) n - 4 a(n + 3) n + 2 a(n + 2) n + a(n) n + 4 a(n + 4) - 2 a(n + 1) - 14 a(n + 3) + 4 a(n + 2), a(0) = 1, a(1) = 2, a(2) = 6, a(3) = 18\}$$

Sequence: A360294
Score: 10.8159
Type of gen. func.: ogf

$$-f(x)^2 x^3 + 4 f(x)^2 x + x^3 - f(x)^2 + 1$$

Sequence: A360294
Score: 8.62843
Type of gen. func.: ogf

$$\frac{((x^3 - 4 x + 1) (x + 1) (x^2 - x + 1))^{1/2}}{x^3 - 4 x + 1}$$

Sequence: A360295
Score: 10.5647
Type of gen. func.: ogf

$$\frac{((x^4 - 4 x + 1) (x^4 + 1))^{1/2}}{x^4 - 4 x + 1}$$

Sequence: A360295
Score: 10.8623
Type of gen. func.: ogf

$$f(x)^2 x^4 - x^4 - 4 f(x)^2 x + f(x)^2 - 1$$

Sequence: A360309
Score: 12.4329

Type of gen. func.: ogf

$$-4 f(x)^{2} x^{3} - f(x)^{2} x + f(x)^{2} + x - 1$$

Sequence: A360309
Score: 8.5877
Type of gen. func.: ogf

$$-\frac{((2 x - 1) (2 x^{2} + x + 1) (x - 1))^{1/2}}{(2 x - 1) (2 x^{2} + x + 1)}$$

Sequence: A360313
Score: 10.7191
Type of gen. func.: ogf

$$-4 f(x)^{2} x^{2} + f(x)^{2} x - f(x)^{2} - x + 1$$

Sequence: A360313
Score: 3.14991
Type of gen. func.: ogf

$$\{-a(n + 4) n + 2 a(n + 3) n - 5 a(n + 2) n + 4 a(n + 1) n - 4 a(n + 4) + 6 a(n + 3) - 14 a(n + 2) + 6 a(n + 1), a(0) = 1, a(1) = 0, a(2) = -2, a(3) = -2\}$$

Sequence: A360313
Score: 3.14991
Type of gen. func.: ogf

$$\{-a(n + 4) n + 2 a(n + 3) n - 5 a(n + 2) n + 4 a(n + 1) n - 4 a(n + 4) + 6 a(n + 3) - 14 a(n + 2) + 6 a(n + 1), a(0) = 1, a(1) = 0, a(2) = -2, a(3) = -2\}$$

Sequence: A360313
Score: 9.83809
Type of gen. func.: ogf

$$\frac{(-(4 x^2 - x + 1) (x - 1))^{1/2}}{4 x^2 - x + 1}$$

Sequence: A360314
Score: 10.936
Type of gen. func.: ogf

$$-4 f(x)^2 x^3 + f(x)^2 x - f(x)^2 - x + 1$$

Sequence: A360317
Score: 13.1025
Type of gen. func.: ogf

$$-\frac{((6 x - 1) (2 x - 1))^{1/2}}{6 x - 1}$$

Sequence: A360317
Score: 15.2417
Type of gen. func.: ogf

$$-6 f(x)^2 x + f(x)^2 + 2 x - 1$$

Sequence: A360317
Score: 5.49149
Type of gen. func.: ogf

$\{a(n + 2) n - 8 a(n + 1) n + 12 a(n) n + 2 a(n + 2) - 10 a(n + 1), a(0) = 1,$

$a(1) = 2\}$

Sequence: A360318
Score: 12.817
Type of gen. func.: ogf

$$-\frac{((7 x - 1) (3 x - 1))^{1/2}}{7 x - 1}$$

Sequence: A360318
Score: 14.9096
Type of gen. func.: ogf

$$-7 f(x)^2 x + f(x)^2 + 3 x - 1$$

Sequence: A360318
Score: 5.33263
Type of gen. func.: ogf

$$\{a(n + 2) n - 10 a(n + 1) n + 21 a(n) n + 2 a(n + 2) - 12 a(n + 1), a(0) = 1, a(1) = 2\}$$

Sequence: A360319
Score: 11.1098
Type of gen. func.: ogf

$$-\frac{((8 x - 1) (4 x - 1))^{1/2}}{8 x - 1}$$

Sequence: A360319
Score: 12.9237
Type of gen. func.: ogf

$$-8 f(x)^2 x + f(x)^2 + 4 x - 1$$

Sequence: A360319
Score: 4.62234
Type of gen. func.: ogf

$$\{a(n + 2) n - 12 a(n + 1) n + 32 a(n) n + 2 a(n + 2) - 14 a(n + 1), a(0) = 1, a(1) = 2\}$$

Sequence: A360321
Score: 11.644

Type of gen. func.: ogf

$$-\frac{((9 x - 1) (5 x - 1))^{1/2}}{9 x - 1}$$

Sequence: A360321
Score: 13.545
Type of gen. func.: ogf

$$-9 f(x)^2 x + f(x)^2 + 5 x - 1$$

Sequence: A360321
Score: 4.84457
Type of gen. func.: ogf

$$\{45 a(n) n + a(n + 2) n - 14 a(n + 1) n + 2 a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 2\}$$

Sequence: A360321
Score: 4.84457
Type of gen. func.: ogf

$$\{45 a(n) n + a(n + 2) n - 14 a(n + 1) n + 2 a(n + 2) - 16 a(n + 1), a(0) = 1, a(1) = 2\}$$

Sequence: A360322
Score: 13.5856
Type of gen. func.: ogf

$$\frac{((x + 1) (5 x + 1))^{1/2}}{x + 1}$$

Sequence: A360322
Score: 14.6947
Type of gen. func.: ogf

$$f(x)^2 x + f(x)^2 - 5 x - 1$$

Sequence: A360322
Score: 5.37343
Type of gen. func.: ogf

$$\{-5\, a(n)\, n - a(n+2)\, n - 6\, a(n+1)\, n - 2\, a(n+2) - 4\, a(n+1),\ a(0) = 1,\ a(1) = 2\}$$

Sequence: A360322
Score: 5.37343
Type of gen. func.: ogf

$$\{-5\, a(n)\, n - a(n+2)\, n - 6\, a(n+1)\, n - 2\, a(n+2) - 4\, a(n+1),\ a(0) = 1,\ a(1) = 2\}$$

Sequence: A360360
Score: 2.16989
Type of gen. func.: ogf

$$\frac{2 x^3 - 2 x - 1}{2 x^2 - 1}$$

Sequence: A360360
Score: 2.63906
Type of gen. func.: ogf

$$\frac{2 x^3 - 2 x - 1}{2 x^2 - 1}$$

Sequence: A360384
Score: 11.681
Type of gen. func.: egf]

$$-(f(x)\, x - f(x) + 1)^3$$

Sequence: A360416
Score: 12.521
Type of gen. func.: ogf

$$-\frac{3 x^2 + 11 x + 2}{(x - 1)^3}$$

Sequence: A360416
Score: 15.157
Type of gen. func.: ogf

$$-\frac{3 x^2 + 11 x + 2}{(x - 1)^3}$$

Sequence: A360416
Score: 4.68265
Type of gen. func.: ogf

$$(598784 f(x) - 4294623)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 3 x^2 - f(x) + 11 x + 2)$$

Sequence: A360416
Score: 5.43365
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 2, a(1) = 17, a(2) = 48\}$$

Sequence: A360417
Score: 12.5983
Type of gen. func.: ogf

$$-\frac{2 x^2 + 11 x + 3}{(x - 1)^3}$$

Sequence: A360417
Score: 15.2506
Type of gen. func.: ogf

$$-\frac{2x^2+11x+3}{(x-1)^3}$$

Sequence: A360417
Score: 4.71156
Type of gen. func.: ogf

$$(672512 f(x) - 5291169)$$

$$(f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 2 x^2 - f(x) + 11 x + 3)$$

Sequence: A360417
Score: 5.46719
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 3, a(1) = 20, a(2) = 53\}$$

Sequence: A360418
Score: 5.03516
Type of gen. func.: ogf

$$-\frac{x^8+x^7+x^6+2x^5+6x^4+2x^3+x^2+x+1}{(x+1)^2(x^2+1)^2(x-1)^3}$$

Sequence: A360418
Score: 5.39163
Type of gen. func.: ogf

$$-\frac{x^8+x^7+x^6+2x^5+6x^4+2x^3+x^2+x+1}{(x+1)^2(x^2+1)^2(x-1)^3}$$

Sequence: A360436
Score: 19.5224
Type of gen. func.: ogf

$$- \frac{x (29 x + 1)}{(x - 1)^3}$$

Sequence: A360436
Score: 24.1159
Type of gen. func.: ogf

$$- \frac{x (29 x + 1)}{(x - 1)^3}$$

Sequence: A360436
Score: 6.55953
Type of gen. func.: ogf

$$-(2540700 f(x) - 25137931) (f(x) x^3 - 3 f(x) x^2 + 3 f(x) x + 29 x^2 - f(x) + x)$$

Sequence: A360436
Score: 7.88405
Type of gen. func.: ogf

$$\{a(n + 3) - 3 a(n + 2) + 3 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 32\}$$

Sequence: A360463
Score: 14.4936
Type of gen. func.: egf]

$$(f(x) x - f(x) + 1)^2$$

Sequence: A360464
Score: 8.62795
Type of gen. func.: ogf

$$\frac{12 x^{26} - 12 x^{25} + 4 x^9 - 4 x^8 - 2 x^3 + x^2 + x - 1}{}$$

$$(x + 1) (x - 1)^3$$

Sequence: A360464
Score: 9.4035
Type of gen. func.: ogf

$$\frac{12 x^{26} - 12 x^{25} + 4 x^9 - 4 x^8 - 2 x^3 + x^2 + x - 1}{(x + 1) (x - 1)^3}$$

Sequence: A360467
Score: 11.318
Type of gen. func.: ogf

$$- \frac{2 (x^2 - 6 x + 2)}{(x - 1) (x^2 - 7 x + 1)}$$

Sequence: A360467
Score: 12.9065
Type of gen. func.: ogf

$$- \frac{2 (x^2 - 6 x + 2)}{(x - 1) (x^2 - 7 x + 1)}$$

Sequence: A360467
Score: 6.28776
Type of gen. func.: ogf

$$(2376 f(x) + 571) (f(x) x^3 - 8 f(x) x^2 + 8 f(x) x + 2 x^2 - f(x) - 12 x + 4)$$

Sequence: A360467
Score: 6.8754
Type of gen. func.: ogf

$$\{-a(n + 3) + 8 a(n + 2) - 8 a(n + 1) + a(n), a(0) = 4, a(1) = 20, a(2) = 130\}$$

Sequence: A360488
Score: 20.1823
Type of gen. func.: ogf

$$-\frac{x\,(28\,x+1)}{(x-1)^{3}}$$

Sequence: A360488
Score: 24.9311
Type of gen. func.: ogf

$$-\frac{x\,(28\,x+1)}{(x-1)^{3}}$$

Sequence: A360488
Score: 6.78127
Type of gen. func.: ogf

$$-(1110961\,f(x)-10621845)\,(f(x)\,x^{3}-3\,f(x)\,x^{2}+3\,f(x)\,x+28\,x^{2}-f(x)+x)$$

Sequence: A360488
Score: 8.15056
Type of gen. func.: ogf

$$\{a(n+3)-3\,a(n+2)+3\,a(n+1)-a(n),\ a(0)=0,\ a(1)=1,\ a(2)=31\}$$

Sequence: A360501
Score: 7.90918
Type of gen. func.: ogf

$$-\frac{x\,(x^{7}-x^{6}-x^{5}-2\,x^{4}-3\,x^{3}-x^{2}-x-1)}{(x^{2}+1)\,(x-1)^{2}\,(x+1)^{2}}$$

Sequence: A360501

Score: 8.48967
Type of gen. func.: ogf

$$-\frac{x\,(x^7 - x^6 - x^5 - 2\,x^4 - 3\,x^3 - x^2 - x - 1)}{(x^2 + 1)\,(x - 1)^2\,(x + 1)^2}$$

Sequence: A360506
Score: 4.17129
Type of gen. func.: ogf

$$-(2066242608\,x^9 + 114791256\,x^8 + 10628820\,x^7 + 944784\,x^6 + 78732\,x^5 + 5832\,x^4 + 3240\,x^3 + 432\,x^2 - 48\,x + 1) \Big/ ((x - 1)\,(-1 + 27\,x)^2)$$

Sequence: A360506
Score: 4.39676
Type of gen. func.: ogf

$$-(2066242608\,x^9 + 114791256\,x^8 + 10628820\,x^7 + 944784\,x^6 + 78732\,x^5 + 5832\,x^4 + 3240\,x^3 + 432\,x^2 - 48\,x + 1) \Big/ ((x - 1)\,(-1 + 27\,x)^2)$$

Sequence: A360509
Score: 23.7974
Type of gen. func.: ogf

$$\frac{1}{x^3 - 26\,x + 1}$$

Sequence: A360509
Score: 32.451
Type of gen. func.: ogf

$$\frac{1}{x^3 - 26\,x + 1}$$

Sequence: A360509
Score: 7.93246
Type of gen. func.: ogf

$$\{-a(n + 3) + 26 a(n + 2) - a(n), a(0) = 1, a(1) = 26, a(2) = 676\}$$

Sequence: A360509
Score: 8.30142
Type of gen. func.: ogf

$$-(f(x) - 1) (f(x) x^3 - 26 f(x) x + f(x) - 1)$$

Sequence: A360512
Score: 8.05032
Type of gen. func.: ogf

$$\frac{x (x^7 - x^6 - x^5 - 2 x^4 - 3 x^3 - x^2 - x - 1)}{(x^2 + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A360512
Score: 8.66368
Type of gen. func.: ogf

$$\frac{x (x^7 - x^6 - x^5 - 2 x^4 - 3 x^3 - x^2 - x - 1)}{(x^2 + 1) (x + 1)^2 (x - 1)^3}$$

Sequence: A360518
Score: 10.8186
Type of gen. func.: ogf

$$\frac{220 x^4 - 127 x^3 - 55 x^2 - 13 x + 2}{(10 x - 1) (x - 1)}$$

Sequence: A360518

Score: 5.07357
Type of gen. func.: ogf

$$(51094845806400 f(x) - 1105251630170863)$$

$$(-220 x^4 + 10 f(x) x^2 + 127 x^3 - 11 f(x) x + 55 x^2 + f(x) + 13 x - 2)$$

Sequence: A360518
Score: 5.93281
Type of gen. func.: ogf

$$\{a(n + 5) - 11 a(n + 4) + 10 a(n + 3), a(0) = 2, a(1) = 9, a(2) = 24, a(3) = 47,$$

$$a(4) = 497\}$$

Sequence: A360518
Score: 9.67984
Type of gen. func.: ogf

$$\frac{220 x^4 - 127 x^3 - 55 x^2 - 13 x + 2}{(10 x - 1) (x - 1)}$$

Sequence: A360575
Score: 5.59681
Type of gen. func.: ogf

$$- \frac{6 x^4 - 11 x^3 - 4 x^2 + 8 x - 1}{42 x^6 - 65 x^5 - 100 x^4 + 157 x^3 - 21 x^2 - 16 x + 1}$$

Sequence: A360575
Score: 6.03578
Type of gen. func.: ogf

$$- \frac{6 x^4 - 11 x^3 - 4 x^2 + 8 x - 1}{42 x^6 - 65 x^5 - 100 x^4 + 157 x^3 - 21 x^2 - 16 x + 1}$$

Sequence: A360576

Score: 5.80854
Type of gen. func.: ogf

$$-\frac{16 x^3 - 4 x^2 + 9 x - 1}{128 x^6 - 384 x^5 - 192 x^4 + 214 x^3 - 28 x^2 - 15 x + 1}$$

Sequence: A360576
Score: 6.29258
Type of gen. func.: ogf

$$-\frac{16 x^3 - 4 x^2 + 9 x - 1}{128 x^6 - 384 x^5 - 192 x^4 + 214 x^3 - 28 x^2 - 15 x + 1}$$

Sequence: A360577
Score: 3.69692
Type of gen. func.: ogf

$$\{a(n + 6) - 8 a(n + 5) - 51 a(n + 4) - 27 a(n + 3) + 96 a(n + 2) + 43 a(n + 1) - 66 a(n), a(0) = 1, a(1) = 3, a(2) = 60, a(3) = 657, a(4) = 8311, a(5) = 101284\}$$

Sequence: A360577
Score: 7.18846
Type of gen. func.: ogf

$$-\frac{10 x^4 - 3 x^3 - 15 x^2 - 5 x + 1}{66 x^6 - 43 x^5 - 96 x^4 + 27 x^3 + 51 x^2 + 8 x - 1}$$

Sequence: A360577
Score: 7.76353
Type of gen. func.: ogf

$$-\frac{10 x^4 - 3 x^3 - 15 x^2 - 5 x + 1}{66 x^6 - 43 x^5 - 96 x^4 + 27 x^3 + 51 x^2 + 8 x - 1}$$

Sequence: A360586
Score: 10.5129
Type of gen. func.: ogf

$$\frac{x\,(11\,x^{3} - 14\,x^{2} + 6\,x - 1)}{(3\,x - 1)\,(2\,x - 1)^{2}\,(x - 1)^{2}}$$

Sequence: A360586
Score: 4.41665
Type of gen. func.: ogf

$$\{-a(n + 5) + 9\,a(n + 4) - 31\,a(n + 3) + 51\,a(n + 2) - 40\,a(n + 1) + 12\,a(n),$$

$$a(0) = 0,\ a(1) = 1,\ a(2) = 3,\ a(3) = 10,\ a(4) = 37\}$$

Sequence: A360586
Score: 9.44828
Type of gen. func.: ogf

$$\frac{x\,(11\,x^{3} - 14\,x^{2} + 6\,x - 1)}{(3\,x - 1)\,(2\,x - 1)^{2}\,(x - 1)^{2}}$$

Sequence: A360588
Score: 10.2484
Type of gen. func.: ogf

$$\frac{2\,x^{3}\,(4\,x^{5} - 14\,x^{4} + 15\,x^{3} + 2\,x^{2} - 9\,x + 3)}{(2\,x - 1)^{3}\,(x - 1)^{3}}$$

Sequence: A360588
Score: 11.2862
Type of gen. func.: ogf

$$\frac{2\,x^{3}\,(4\,x^{5} - 14\,x^{4} + 15\,x^{3} + 2\,x^{2} - 9\,x + 3)}{(2\,x - 1)^{3}\,(x - 1)^{3}}$$

Sequence: A360605
Score: 12.6365
Type of gen. func.: ogf

$$\frac{x (4 x^2 - x - 1)}{(2 x + 1)^2 (x - 1)^3}$$

Sequence: A360605
Score: 14.6996
Type of gen. func.: ogf

$$\frac{x (4 x^2 - x - 1)}{(2 x + 1)^2 (x - 1)^3}$$

Sequence: A360605
Score: 4.47379
Type of gen. func.: ogf

$\{a(n + 5) + a(n + 4) - 5 a(n + 3) - a(n + 2) + 8 a(n + 1) - 4 a(n), a(0) = 0,$

$a(1) = 1, a(2) = 0, a(3) = 1, a(4) = 0\}$

Sequence: A360606
Score: 12.6663
Type of gen. func.: ogf

$$- \frac{x (4 x^2 - 3 x + 1)}{(2 x - 1)^2 (x - 1)^3}$$

Sequence: A360606
Score: 14.5782
Type of gen. func.: ogf

$$- \frac{x (4 x^2 - 3 x + 1)}{}$$

$$(2 x - 1)^2 (x - 1)^3$$

Sequence: A360606
Score: 4.59909
Type of gen. func.: ogf

$$\{a(n + 5) - 7 a(n + 4) + 19 a(n + 3) - 25 a(n + 2) + 16 a(n + 1) - 4 a(n),$$
$$a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 13, a(4) = 40\}$$

Sequence: A360608
Score: 4.12334
Type of gen. func.: ogf

$$\{a(n + 6) - 3 a(n + 5) - 3 a(n + 4) + 10 a(n + 3) + 3 a(n + 2) - 5 a(n + 1)$$
$$- a(n), a(0) = 1, a(1) = 0, a(2) = 2, a(3) = 1, a(4) = 8, a(5) = 12\}$$

Sequence: A360608
Score: 7.30955
Type of gen. func.: ogf

$$- \frac{(2 x - 1) (x + 1) (x^2 + 2 x - 1)}{x^6 + 5 x^5 - 3 x^4 - 10 x^3 + 3 x^2 + 3 x - 1}$$

Sequence: A360608
Score: 7.88285
Type of gen. func.: ogf

$$- \frac{(2 x - 1) (x + 1) (x^2 + 2 x - 1)}{x^6 + 5 x^5 - 3 x^4 - 10 x^3 + 3 x^2 + 3 x - 1}$$

Sequence: A360644
Score: 5.76672
Type of gen. func.: ogf

$$- \frac{10 x^4 - 13 x^3 - 18 x^2 - 16 x + 1}{}$$

$$66 x^{6} - 79 x^{5} + 30 x^{4} - 497 x^{3} + 195 x^{2} + 28 x - 1$$

Sequence: A360644
Score: 6.20609
Type of gen. func.: ogf

$$- \frac{10 x^{4} - 13 x^{3} - 18 x^{2} - 16 x + 1}{66 x^{6} - 79 x^{5} + 30 x^{4} - 497 x^{3} + 195 x^{2} + 28 x - 1}$$

Sequence: A360645
Score: 12.589
Type of gen. func.: ogf

$$- \frac{2 x - 1}{18 x^{3} - 15 x^{2} - 5 x + 1}$$

Sequence: A360645
Score: 14.7318
Type of gen. func.: ogf

$$- \frac{2 x - 1}{18 x^{3} - 15 x^{2} - 5 x + 1}$$

Sequence: A360645
Score: 6.02081
Type of gen. func.: ogf

$$-(12573 f(x) - 724) (18 f(x) x^{3} - 15 f(x) x^{2} - 5 f(x) x + f(x) + 2 x - 1)$$

Sequence: A360645
Score: 6.47097
Type of gen. func.: ogf

$\{-a(n + 3) + 5 a(n + 2) + 15 a(n + 1) - 18 a(n), a(0) = 1, a(1) = 3, a(2) = 30\}$

Sequence: A360705
Score: 5.46511
Type of gen. func.: ogf

$$\frac{x^6+x^5-2x^4+x^3-2x^2+x+1}{(x^2+x+1)(x^2-x+1)(x^2+x-1)(x^2-x-1)}$$

Sequence: A360705
Score: 5.79384
Type of gen. func.: ogf

$$\frac{x^6+x^5-2x^4+x^3-2x^2+x+1}{(x^2+x+1)(x^2-x+1)(x^2+x-1)(x^2-x-1)}$$

Sequence: A360715
Score: 17.4552
Type of gen. func.: ogf

$$\frac{7x^2-5x+1}{(3x-1)^2(x-1)^2}$$

Sequence: A360715
Score: 20.5583
Type of gen. func.: ogf

$$\frac{7x^2-5x+1}{(3x-1)^2(x-1)^2}$$

Sequence: A360715
Score: 6.75274
Type of gen. func.: ogf

$$\{-a(n+4)+8\,a(n+3)-22\,a(n+2)+24\,a(n+1)-9\,a(n),\ a(0)=1,\ a(1)=3,\ a(2)=9,\ a(3)=30\}$$

Sequence: A360715
Score: 7.00853
Type of gen. func.: ogf

$(10 f(x) + 7)$

$$(9 f(x) x^4 - 24 f(x) x^3 + 22 f(x) x^2 - 8 f(x) x - 7 x^2 + f(x) + 5 x - 1)$$

Sequence: A360716
Score: 10.674
Type of gen. func.: ogf

$$- \frac{x^3 (197 x^4 - 288 x^3 + 156 x^2 - 36 x + 3)}{(x - 1)^3 (3 x - 1)^3 (5 x - 1)^3}$$

Sequence: A360716
Score: 9.78452
Type of gen. func.: ogf

$$- \frac{x^3 (197 x^4 - 288 x^3 + 156 x^2 - 36 x + 3)}{(x - 1)^3 (3 x - 1)^3 (5 x - 1)^3}$$

Sequence: A360717
Score: 8.03187
Type of gen. func.: ogf

$$- \frac{x (1947 x^6 - 3213 x^5 + 2241 x^4 - 850 x^3 + 183 x^2 - 21 x + 1)}{(x - 1)^3 (3 x - 1)^3 (5 x - 1)^3}$$

Sequence: A360717
Score: 8.61075
Type of gen. func.: ogf

$$- \frac{x (1947 x^6 - 3213 x^5 + 2241 x^4 - 850 x^3 + 183 x^2 - 21 x + 1)}{}$$

$$(x-1)^3 (3x-1)^3 (5x-1)^3$$

Sequence: A360786
Score: 10.9665
Type of gen. func.: ogf

$$\frac{2x(88x^3 - 46x^2 + 3x + 1)}{(4x-1)^3 (2x-1)^3}$$

Sequence: A360786
Score: 12.3591
Type of gen. func.: ogf

$$\frac{2x(88x^3 - 46x^2 + 3x + 1)}{(4x-1)^3 (2x-1)^3}$$

Sequence: A360848
Score: 12.4994
Type of gen. func.: ogf

$$\frac{x^3 - 3x^2 - 5x - 3}{(x+1)(2x-1)}$$

Sequence: A360848
Score: 14.3861
Type of gen. func.: ogf

$$\frac{x^3 - 3x^2 - 5x - 3}{(x+1)(2x-1)}$$

Sequence: A360848
Score: 6.86903
Type of gen. func.: ogf

2 3 2

$$-(4001 f(x) + 6774) (2 f(x) x - x + f(x) x + 3 x - f(x) + 5 x + 3)$$

Sequence: A360848
Score: 7.05983
Type of gen. func.: ogf

$$\{a(n + 4) - a(n + 3) - 2 a(n + 2), a(0) = 3, a(1) = 8, a(2) = 17, a(3) = 32\}$$

Sequence: A360856
Score: 6.61947
Type of gen. func.: ogf

$$4 f(x)^2 x^2 + 2 f(x)^2 x - 4 f(x) x^2 - f(x)^2 - 2 f(x) x + x^2 + f(x) + x$$

Sequence: A360856
Score: 7.37598
Type of gen. func.: ogf

$$- \frac{-4 x^2 + (-(2 x + 1) (4 x^2 + 2 x - 1))^{1/2} - 2 x + 1}{2 (4 x^2 + 2 x - 1)}$$

Sequence: A360874
Score: 10.6994
Type of gen. func.: ogf

$$\frac{26 x^2 - 17 x + 3}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A360874
Score: 5.34968
Type of gen. func.: ogf

$$\{-a(n + 4) + 10 a(n + 3) - 35 a(n + 2) + 50 a(n + 1) - 24 a(n), a(0) = 3,$$
$$a(1) = 13, a(2) = 51, a(3) = 205\}$$

Sequence: A360874
Score: 5.4261
Type of gen. func.: ogf

$$(121 f(x) + 1016) (24 f(x) x^4 - 50 f(x) x^3 + 35 f(x) x^2 - 10 f(x) x - 26 x^2 + f(x) + 17 x - 3)$$

Sequence: A360874
Score: 9.61588
Type of gen. func.: ogf

$$\frac{26 x^2 - 17 x + 3}{(x - 1) (3 x - 1) (2 x - 1) (4 x - 1)}$$

Sequence: A360876
Score: 10.9628
Type of gen. func.: ogf

$$- \frac{3 (8 x^2 - 5 x + 1)}{(x - 1) (3 x - 1) (4 x - 1)}$$

Sequence: A360876
Score: 12.4006
Type of gen. func.: ogf

$$- \frac{3 (8 x^2 - 5 x + 1)}{(x - 1) (3 x - 1) (4 x - 1)}$$

Sequence: A360876
Score: 6.30363
Type of gen. func.: ogf

$$-(f(x) + 12) (12 f(x) x^3 - 19 f(x) x^2 + 8 f(x) x + 24 x^2 - f(x) - 15 x + 3)$$

Sequence: A360876
Score: 7.06949
Type of gen. func.: ogf

```
 {a(n + 3) - 8 a(n + 2) + 19 a(n + 1) - 12 a(n), a(0) = 3, a(1) = 9, a(2) = 39}


------------------------------------------------------------------------------

Sequence:  A360927
Score: 12.1877
Type of gen. func.: ogf

                                           2
                           x (2 x + 1) (2 x  + x + 1)
                           --------------------------
                                               2
                                (x + 1) (x - 1)


------------------------------------------------------------------------------

Sequence:  A360927
Score: 13.7861
Type of gen. func.: ogf

                                           2
                           x (2 x + 1) (2 x  + x + 1)
                           --------------------------
                                               2
                                (x + 1) (x - 1)


------------------------------------------------------------------------------

Sequence:  A360927
Score: 6.18349
Type of gen. func.: ogf


{a(n + 5) - a(n + 4) - a(n + 3) + a(n + 2), a(0) = 0, a(1) = 1, a(2) = 4,

    a(3) = 9, a(4) = 16}


------------------------------------------------------------------------------

Sequence:  A360927
Score: 6.56996
Type of gen. func.: ogf

                          3      4          2      3              2
 (1056 f(x) + 469) (f(x) x  - 4 x  - f(x) x  - 4 x  - f(x) x - 3 x  + f(x) - x)


------------------------------------------------------------------------------

Sequence:  A360951
Score: 14.8042
Type of gen. func.: ogf

                               2     3      2
                              x  (2 x  - 4 x  + 1)
                              --------------------
```

$$(2x-1)^2 (x-1)^2$$

Sequence: A360951
Score: 17.0388
Type of gen. func.: ogf

$$\frac{x^2 (2x^3 - 4x^2 + 1)}{(2x-1)^2 (x-1)^2}$$

Sequence: A360951
Score: 5.37535
Type of gen. func.: ogf

$$\{a(n+6) - 6\,a(n+5) + 13\,a(n+4) - 12\,a(n+3) + 4\,a(n+2),\ a(0) = 0,\ a(1) = 0,\ a(2) = 1,\ a(3) = 6,\ a(4) = 19,\ a(5) = 50\}$$

Sequence: A361008
Score: 9.60272
Type of gen. func.: ogf_with_Euler_transform]

$$\frac{x^2 (2x^4 - x^3 + 4x^2 + 2)}{(x-1)^2 (x+1)^2 (x^2+1)^2}$$

Sequence: A361011
Score: 4.30575
Type of gen. func.: ogf

$$-(f(x) - 1)^3$$

Sequence: A361028
Score: 13.1598
Type of gen. func.: egf]

$$2\ \mathrm{hypergeom}([1/3, 2/3], [2, 2], 27\,x)$$

Sequence: A361029
Score: 12.6662
Type of gen. func.: egf]

$$30 \operatorname{hypergeom}([1/3, 2/3], [3, 3], 27 x)$$

Sequence: A361030
Score: 12.706
Type of gen. func.: egf]

$$560 \operatorname{hypergeom}([1/3, 2/3], [4, 4], 27 x)$$

Sequence: A361031
Score: 12.5821
Type of gen. func.: egf]

$$11550 \operatorname{hypergeom}([1/3, 2/3], [5, 5], 27 x)$$

Sequence: A361033
Score: 3.02356
Type of gen. func.: ogf

$$\{a(n + 2) n^3 - 256 a(n + 1) n^3 + 9 a(n + 2) n^2 - 1152 a(n + 1) n^2 + 27 a(n + 2) n - 1712 a(n + 1) n + 27 a(n + 2) - 840 a(n + 1), a(0) = 3, a(1) = 9\}$$

Sequence: A361033
Score: 8.45138
Type of gen. func.: ogf

$$-1/8 \frac{-1 + \operatorname{hypergeom}([-3/4, -1/2, -1/4], [1, 1], 256 x)}{x}$$

Sequence: A361034
Score: 2.97147
Type of gen. func.: ogf

$$\{a(n + 2) n^3 - 256 a(n + 1) n^3 + 12 a(n + 2) n^2 - 1152 a(n + 1) n^2$$

$$+ 48 a(n + 2) n - 1712 a(n + 1) n + 64 a(n + 2) - 840 a(n + 1), a(0) = 315, a(1) = 280\}$$

Sequence: A361034
Score: 7.91278
Type of gen. func.: ogf

$$1/8 \frac{840 x - 1 + \mathrm{hypergeom}([-7/4, -3/2, -5/4], [1, 1], 256 x)}{x^{2}}$$

Sequence: A361035
Score: 2.6521
Type of gen. func.: ogf

$$\{a(n + 2) n^{3} - 256 a(n + 1) n^{3} + 15 a(n + 2) n^{2} - 1152 a(n + 1) n^{2} + 75 a(n + 2) n - 1712 a(n + 1) n + 125 a(n + 2) - 840 a(n + 1), a(0) = 46200, a(1) = 17325\}$$

Sequence: A361035
Score: 6.17123
Type of gen. func.: ogf

$$-1/8 \frac{-415800 x^{2} + \mathrm{hypergeom}([-11/4, -5/2, -9/4], [1, 1], 256 x) + 3960 x - 1}{x^{3}}$$

Sequence: A361037
Score: 3.47963
Type of gen. func.: ogf

$$\{-4 a(n + 2) n^{2} + 27 a(n + 1) n^{2} - 22 a(n + 2) n + 81 a(n + 1) n - 24 a(n + 2) + 60 a(n + 1), a(0) = 10, a(1) = 10\}$$

Sequence: A361037
Score: 3.75886
Type of gen. func.: ogf

$$x^4 f(x)^3 - 20 f(x)^2 x^3 + 2 f(x)^2 x^2 + 90 f(x) x^3 + 90 f(x) x^2 + 216 x^3 - 20 f(x) x - 925 x^2 + f(x) + 190 x - 10$$

Sequence: A361038
Score: 3.42294
Type of gen. func.: ogf

$$\{-4 a(n + 2) n^2 + 27 a(n + 1) n^2 - 26 a(n + 2) n + 81 a(n + 1) n - 30 a(n + 2) + 60 a(n + 1), a(0) = 280, a(1) = 210\}$$

Sequence: A361039
Score: 3.52076
Type of gen. func.: ogf

$$\{-4 a(n + 2) n^2 + 27 a(n + 1) n^2 - 30 a(n + 2) n + 81 a(n + 1) n - 36 a(n + 2) + 60 a(n + 1), a(0) = 2310, a(1) = 1386\}$$

Sequence: A361040
Score: 3.61926
Type of gen. func.: ogf

$$\{-4 a(n + 2) n^2 + 27 a(n + 1) n^2 - 26 a(n + 2) n + 81 a(n + 1) n - 42 a(n + 2) + 60 a(n + 1), a(0) = 70, a(1) = 21\}$$

Sequence: A361040
Score: 4.76218
Type of gen. func.: ogf

$$-f(x)^3 x^3 - 210 f(x)^2 x^2 + 51030 f(x) x^2 - 4305 f(x) x - 2460375 x^2 + 256 f(x) + 295974 x - 17920$$

Sequence: A361041
Score: 3.50802
Type of gen. func.: ogf

$$-x^4 f(x)^3 - 420 f(x)^2 x^3 - 14 f(x)^2 x^2 + 91854 f(x) x^3 - 7770 f(x) x^2 - 4251528 x^3 + 1156 f(x) x + 597051 x^2 - 49 f(x) - 80234 x + 3430$$

Sequence: A361041
Score: 3.66838
Type of gen. func.: ogf

$$\{-4 a(n + 2) n^2 + 27 a(n + 1) n^2 - 30 a(n + 2) n + 81 a(n + 1) n - 56 a(n + 2) + 60 a(n + 1), a(0) = 70, a(1) = 14\}$$

Sequence: A361099
Score: 17.6204
Type of gen. func.: ogf

$$-\frac{x (2 x^3 + 2 x^2 - x + 1)}{(x - 1)^5}$$

Sequence: A361099
Score: 5.17007
Type of gen. func.: ogf

$$\{a(n + 5) - 5 a(n + 4) + 10 a(n + 3) - 10 a(n + 2) + 5 a(n + 1) - a(n), a(0) = 0, a(1) = 1, a(2) = 4, a(3) = 12, a(4) = 32\}$$

Sequence: A361134
Score: 10.8267
Type of gen. func.: ogf

$$\frac{2 x^5 - 7 x^4 + 9 x^3 + 2 x^2 - x + 1}{(x^2 + x + 1) (x - 1)^4}$$

Sequence: A361134
Score: 4.23177

Type of gen. func.: ogf

{-a(n + 6) + 3 a(n + 5) - 3 a(n + 4) + 2 a(n + 3) - 3 a(n + 2) + 3 a(n + 1)

- a(n), a(0) = 1, a(1) = 2, a(2) = 5, a(3) = 20, a(4) = 39, a(5) = 66}

Sequence: A361157
Score: 2.31754
Type of gen. func.: ogf

$$-\frac{x^{15}}{4x^{7} - 3x^{6} + x^{4} + x - 1}$$

Sequence: A361161
Score: 2.21807
Type of gen. func.: ogf

$$-\frac{x^{11}}{x^{4} + x - 1}$$

Sequence: A361185
Score: 13.8521
Type of gen. func.: ogf

$$-\frac{x^{2}\,(19x^{3} + 167x^{2} + 159x + 15)}{(x - 1)^{7}}$$

Sequence: A361202
Score: 10.0084
Type of gen. func.: ogf

$$-\frac{x^{2} - x + 1}{(x + 1)\,(x^{2} + 1)\,(x^{4} + 1)\,(x - 1)^{3}}$$

Sequence: A361230
Score: 14.0245
Type of gen. func.: ogf

$$-\frac{x\,(x^4 - x^3 + 2\,x^2 - 2\,x - 1)}{(x - 1)^4}$$

Sequence: A361230
Score: 4.75833
Type of gen. func.: ogf

$$\{-a(n + 6) + 4\,a(n + 5) - 6\,a(n + 4) + 4\,a(n + 3) - a(n + 2),\ a(0) = 0,$$
$$a(1) = 1,\ a(2) = 6,\ a(3) = 16,\ a(4) = 33,\ a(5) = 58\}$$

Sequence: A361263
Score: 8.63502
Type of gen. func.: ogf

$$-\frac{x\,(x^8 + 30\,x^7 - 4\,x^6 + 150\,x^5 + 6\,x^4 + 150\,x^3 - 4\,x^2 + 30\,x + 1)}{(x + 1)^6\,(x - 1)^7}$$

Sequence: A361270
Score: 14.6926
Type of gen. func.: ogf

$$\frac{x^2\,(2\,x^4 + x^2 + 2\,x + 1)}{(x - 1)^4\,(x + 1)^4}$$

Sequence: A361271
Score: 14.8995
Type of gen. func.: ogf

$$\frac{x^2\,(x^4 + x^2 + x + 1)}{(x + 1)^3\,(x - 1)^4}$$

Sequence: A361272
Score: 14.7559
Type of gen. func.: ogf

$$-\frac{2x^4 - 4x^3 + 2x - 1}{(x + 1)(x - 1)^4}$$

Sequence: A361272
Score: 5.12857
Type of gen. func.: ogf

$$\{a(n + 5) - 3 a(n + 4) + 2 a(n + 3) + 2 a(n + 2) - 3 a(n + 1) + a(n), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 3, a(4) = 6\}$$

Sequence: A361273
Score: 9.89583
Type of gen. func.: ogf

$$-\frac{x^7 + 2x^6 - 7x^5 - 8x^4 + x^3 + 3x^2 - x - 1}{(x - 1)^4 (x + 1)^4}$$

Sequence: A361274
Score: 11.2849
Type of gen. func.: ogf

$$-\frac{2x^6 - x^5 - 5x^4 - 2x^3 + 3x^2 - 1}{(x + 1)^3 (x - 1)^4}$$

Sequence: A361275
Score: 11.8493
Type of gen. func.: ogf

$$-\frac{x^5 - x^4 - 4x^3 + 2x^2 + x - 1}{(x + 1)^2 (x - 1)^4}$$

Sequence: A361275
Score: 4.43591
Type of gen. func.: ogf

$$\{-a(n+6) + 2\,a(n+5) + a(n+4) - 4\,a(n+3) + a(n+2) + 2\,a(n+1) - a(n),$$
$$a(0) = 1,\ a(1) = 1,\ a(2) = 1,\ a(3) = 3,\ a(4) = 5,\ a(5) = 11\}$$

Sequence: A361276
Score: 11.9504
Type of gen. func.: ogf

$$-\frac{x^5 - 2x^4 - 4x^3 + 2x^2 + x - 1}{(x+1)^2 (x-1)^4}$$

Sequence: A361276
Score: 4.47375
Type of gen. func.: ogf

$$\{-a(n+6) + 2\,a(n+5) + a(n+4) - 4\,a(n+3) + a(n+2) + 2\,a(n+1) - a(n),$$
$$a(0) = 1,\ a(1) = 1,\ a(2) = 1,\ a(3) = 3,\ a(4) = 6,\ a(5) = 13\}$$

Sequence: A361278
Score: 3.28611
Type of gen. func.: ogf

$$\{-3\,a(n+1)\,n^2 - 4\,a(n+2)\,n - 15\,a(n+1)\,n + a(n+4) - a(n+3)$$
$$- 12\,a(n+2) - 18\,a(n+1),\ a(0) = 1,\ a(1) = 1,\ a(2) = 5,\ a(3) = 19\}$$

Sequence: A361279
Score: 3.51052
Type of gen. func.: egf]

$$\{a(n+5)\,n + 5\,a(n+5) - a(n+4) - 6\,a(n+3) - 9\,a(n+2) - 4\,a(n+1),$$
$$a(0) = 1,\ a(1) = 1,\ a(2) = 7/2,\ a(3) = 37/6,\ a(4) = \frac{241}{24}\}$$

Sequence: A361293
Score: 11.2954
Type of gen. func.: ogf

$$-90 f(x) x^{2} + 20 f(x) x - f(x) + x$$

Sequence: A361293
Score: 25.5192
Type of gen. func.: ogf

$$\frac{x}{90 x^{2} - 20 x + 1}$$

Sequence: A361293
Score: 9.18691
Type of gen. func.: ogf

$$\{a(n + 2) - 20 a(n + 1) + 90 a(n), a(0) = 0, a(1) = 1\}$$

Sequence: A361313
Score: 6.70063
Type of gen. func.: ogf

$$-f(x) x^{4} - f(x) x^{3} + x^{4} + f(x)^{2} x - f(x) x^{2} + x^{3} + x^{2} - f(x) + x$$

Sequence: A361315
Score: 2.59311
Type of gen. func.: ogf

$$\frac{2 x^{5} + 2 x^{4} + 5 x^{3} - 2 x^{2} - 36 x + 31}{(x - 1)^{2}}$$

Sequence: A361334
Score: 7.88949
Type of gen. func.: ogf

$$-\frac{2 x^{8} + 3 x^{7} + 6 x^{5} - x^{4} + x^{3} - 1}{(x - 1) (2 x - 1) (x + 1) (x^{2} + 1)}$$

Sequence: A361356
Score: 7.29174
Type of gen. func.: ogf

$$\frac{6 x^{6} - 37 x^{5} + 77 x^{4} - 76 x^{3} + 43 x^{2} - 11 x + 1}{(x - 1)^{2} (x^{3} - 3 x^{2} + 5 x - 1)^{2}}$$

Sequence: A361359
Score: 4.84929
Type of gen. func.: ogf

$$-\frac{3 x^{9} - 6 x^{8} - 5 x^{7} + 23 x^{6} - 13 x^{5} - 20 x^{4} + 27 x^{3} - 2 x^{2} - 5 x + 1}{(x - 1) (x^{3} - 3 x^{2} + 5 x - 1) (x^{6} - 3 x^{4} + 5 x^{2} - 1)}$$

Sequence: A361375
Score: 13.4568
Type of gen. func.: ogf

$$-10 f(x)^{3} x + f(x)^{3} + x - 1$$

Sequence: A361375
Score: 4.91124
Type of gen. func.: ogf

{10 a(n) n + a(n + 2) n - 11 a(n + 1) n + 2 a(n + 2) - 14 a(n + 1), a(0) = 1,

a(1) = 3}

Sequence: A361375
Score: 4.91124
Type of gen. func.: ogf

$\{10 a(n) n + a(n + 2) n - 11 a(n + 1) n + 2 a(n + 2) - 14 a(n + 1), a(0) = 1, a(1) = 3\}$

Sequence: A361474
Score: 22.0433
Type of gen. func.: ogf

$$\frac{x^2 (6 x^3 + 3 x^2 + 1)}{(x - 1)^6}$$

Sequence: A361474
Score: 4.58769
Type of gen. func.: ogf

$\{a(n + 6) - 6 a(n + 5) + 15 a(n + 4) - 20 a(n + 3) + 15 a(n + 2) - 6 a(n + 1) + a(n), a(0) = 0, a(1) = 0, a(2) = 1, a(3) = 6, a(4) = 24, a(5) = 80\}$

Sequence: A361488
Score: 13.0575
Type of gen. func.: ogf

$$4 f(x)^2 x^4 + 4 f(x)^2 x^3 - f(x)^2 + 1$$

Sequence: A361488
Score: 4.19704
Type of gen. func.: ogf

$\{a(n + 5) n - 4 a(n + 2) n - 4 a(n + 1) n + 5 a(n + 5) - 14 a(n + 2) - 12 a(n + 1), a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 2, a(4) = 2\}$

Sequence: A361491
Score: 13.2271
Type of gen. func.: ogf

$$- \frac{x^2 + 38 x + 1}{(x - 1) (x^2 - 34 x + 1)}$$

Sequence: A361491
Score: 6.2432
Type of gen. func.: ogf

$$(4042593 f(x) - 381410)$$

$$(f(x) x^3 - 35 f(x) x^2 + 35 f(x) x + x^2 - f(x) + 38 x + 1)$$

Sequence: A361491
Score: 7.09455
Type of gen. func.: ogf

$$\{a(n + 3) - 35 a(n + 2) + 35 a(n + 1) - a(n), a(0) = 1, a(1) = 73, a(2) = 2521\}$$

Sequence: A361522
Score: 7.75806
Type of gen. func.: ogf

$$\{-a(n + 1) n + 2 a(n + 3) - 3 a(n + 1), a(0) = 1, a(1) = 0, a(2) = 1\}$$

Sequence: A361532
Score: 2.66396
Type of gen. func.: ogf

$$\{2 a(n + 2) n^2 + a(n + 1) n^2 - 4 a(n + 3) n + 8 a(n + 2) n + 5 a(n + 1) n + 2 a(n + 4) - 14 a(n + 3) + 6 a(n + 2) + 6 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 4, a(3) = 19\}$$

Sequence: A361535
Score: 16.185
Type of gen. func.: ogf_with_Euler_transform]

$$-\frac{2 (3 x + 5)}{(x - 1) (x + 1)}$$

Sequence: A361547

Score: 5.29676
Type of gen. func.: egf]

```
             10        6        5           2
            x   - 720 x  + 720 x  + 172800 x  - 345600 x + 172800
            -----------------------------------------------------
             10        6        5           2
            x   + 720 x  - 720 x  + 172800 x  - 345600 x + 172800
```

Sequence: A361548
Score: 3.03105
Type of gen. func.: egf]

```
{-3 a(n + 5) n + 6 a(n + 4) n - 3 a(n + 3) n - 15 a(n + 5) + 27 a(n + 4)

     - 6 a(n + 3) - a(n + 1), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 10/3,

    a(4) = 21/4}
```

Sequence: A361567
Score: 4.08171
Type of gen. func.: egf]

```
{-a(n + 5) n + 3 a(n + 2) + 2 a(n + 1) - 5 a(n + 5) + a(n + 3), a(0) = 1,

    a(1) = 0, a(2) = 1/2, a(3) = 1, a(4) = 5/8}
```

Sequence: A361567
Score: 4.08171
Type of gen. func.: egf]

```
{-a(n + 5) n + 3 a(n + 2) + 2 a(n + 1) - 5 a(n + 5) + a(n + 3), a(0) = 1,

    a(1) = 0, a(2) = 1/2, a(3) = 1, a(4) = 5/8}
```

Sequence: A361568
Score: 3.35062
Type of gen. func.: egf]

```
{2 a(n + 7) n + 14 a(n + 7) - a(n + 4) - 4 a(n + 3) - 5 a(n + 2) - 2 a(n + 1),

                                                                               13
    a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 1/6, a(4) = 1/2, a(5) = 1/2, a(6) = --
                                                                               72

    }
```

Sequence: A361568
Score: 3.35062
Type of gen. func.: egf]

$$\{2 a(n + 7) n + 14 a(n + 7) - a(n + 4) - 4 a(n + 3) - 5 a(n + 2) - 2 a(n + 1),$$

$$a(0) = 1, a(1) = 0, a(2) = 0, a(3) = 1/6, a(4) = 1/2, a(5) = 1/2, a(6) = \frac{13}{72}$$

$$\}$$

Sequence: A361576
Score: 4.10673
Type of gen. func.: egf]

$$-2 f(x)^2 x^4 + 12 f(x)^2 x^3 + 4 f(x) x^4 - 18 f(x)^2 x^2 + 4 x^4 + 12 f(x)^2 x - 12 x^3$$

$$- 3 f(x)^2 + 18 x^2 - 12 x + 3$$

Sequence: A361608
Score: 12.806
Type of gen. func.: ogf

$$\frac{36015 x^4 - 40474 x^3 + 10731 x^2 + 882 x + 1}{(7 x - 1)^6}$$

Sequence: A361609
Score: 23.9289
Type of gen. func.: ogf

$$\frac{12 x^2 - 8 x - 1}{(4 x - 1)^3}$$

Sequence: A361609
Score: 6.56114
Type of gen. func.: ogf

$(98172 f(x) - 287297)$

3 2 2

```
    (64 f(x) x  - 48 f(x) x  + 12 f(x) x - 12 x  - f(x) + 8 x + 1)



-------------------------------------------------------------------------------

Sequence:  A361609
Score: 7.3962
Type of gen. func.: ogf


{a(n + 3) - 12 a(n + 2) + 48 a(n + 1) - 64 a(n), a(0) = 1, a(1) = 20,

    a(2) = 180}



-------------------------------------------------------------------------------

Sequence:  A361610
Score: 19.2039
Type of gen. func.: ogf


                                     2
                                 75 x  - 50 x - 1
                               - ----------------
                                             4
                                    (5 x - 1)



-------------------------------------------------------------------------------

Sequence:  A361610
Score: 5.02653
Type of gen. func.: ogf


{-a(n + 4) + 20 a(n + 3) - 150 a(n + 2) + 500 a(n + 1) - 625 a(n), a(0) = 1,

    a(1) = 70, a(2) = 1175, a(3) = 13500}



-------------------------------------------------------------------------------

Sequence:  A361610
Score: 5.23743
Type of gen. func.: ogf


                             4             3             2                   2
(404 f(x) + 4019) (625 f(x) x  - 500 f(x) x  + 150 f(x) x  - 20 f(x) x + 75 x

     + f(x) - 50 x - 1)



-------------------------------------------------------------------------------

Sequence:  A361726
Score: 3.15019
Type of gen. func.: ogf


{-a(n + 5) n + 4 a(n + 3) n + 8 a(n + 2) n + 4 a(n + 1) n - 5 a(n + 5)

     + 16 a(n + 3) + 28 a(n + 2) + 12 a(n + 1), a(0) = 1, a(1) = 0, a(2) = 2,

    a(3) = 4, a(4) = 8}
```

Sequence: A361726
Score: 9.41167
Type of gen. func.: ogf

$$-4 f(x)^2 x^4 - 8 f(x)^2 x^3 - 4 f(x)^2 x^2 + f(x)^2 - 1$$

Sequence: A361732
Score: 14.2179
Type of gen. func.: ogf

$$\frac{x^5 + 5 x^4 + 4 x^3 - 3 x + 1}{(x^2 + 2 x - 1)^2}$$

Sequence: A361732
Score: 4.82393
Type of gen. func.: ogf

$$\{a(n + 6) - 4 a(n + 5) + 2 a(n + 4) + 4 a(n + 3) + a(n + 2), a(0) = 1, a(1) = 1, a(2) = 2, a(3) = 6, a(4) = 20, a(5) = 60\}$$

Sequence: A361740
Score: 5.94981
Type of gen. func.: ogf

$$- x (x^{18} - x^{17} - 3 x^{16} + 5 x^{15} - 2 x^{14} + 2 x^{10} - 5 x^9 + 3 x^8 + x^7 - x^6 - x^2 + x - 2) / ((x + 1) (x - 1)^2)$$

Sequence: A361751
Score: 23.3202
Type of gen. func.: ogf

$$\frac{9 x^{10} - 10 x^9 - 1}{(x - 1)^3}$$

Sequence: A361758
Score: 10.6229
Type of gen. func.: ogf

$$-\frac{x^5 + 5 x^4 + 4 x^3 - 3 x + 1}{(x - 1) (x^2 + 2 x - 1)^2}$$

Sequence: A361758
Score: 4.14691
Type of gen. func.: ogf

$$\{-a(n + 6) + 5 a(n + 5) - 6 a(n + 4) - 2 a(n + 3) + 3 a(n + 2) + a(n + 1),$$
$$a(0) = 1, a(1) = 2, a(2) = 4, a(3) = 10, a(4) = 30, a(5) = 90\}$$

Sequence: A361790
Score: 6.61594
Type of gen. func.: ogf

$$-f(x)^2 x^4 - 4 f(x)^2 x^3 - 6 f(x)^2 x^2 + x^4 + 4 x^3 - f(x)^2 + 6 x^2 + 4 x + 1$$

Sequence: A361801
Score: 3.34776
Type of gen. func.: ogf

$$\{a(n + 4) n - a(n + 3) n - 4 a(n + 2) n + 4 a(n + 1) n + 4 a(n + 4)$$
$$- 4 a(n + 3) - 12 a(n + 2) + 12 a(n + 1), a(0) = 0, a(1) = 0, a(2) = 1,$$
$$a(3) = 1\}$$

Sequence: A361801
Score: 4.5706
Type of gen. func.: ogf

$$-4 f(x)^2 x^4 + 8 f(x)^2 x^3 - 3 f(x)^2 x^2 + 4 f(x) x^3 - 2 f(x)^2 x - 4 f(x) x^2$$
$$+ f(x)^2 - f(x) x - x^2 + f(x)$$

Sequence: A361812
Score: 6.89188
Type of gen. func.: ogf

$$4 f(x)^2 x^4 + 12 f(x)^2 x^3 + 12 f(x)^2 x^2 + 4 f(x)^2 x - f(x)^2 + 1$$

Sequence: A361815
Score: 3.18068
Type of gen. func.: ogf

$$\{-a(n + 4) n + 4 a(n + 3) n - 8 a(n + 2) n + 4 a(n + 1) n - 4 a(n + 4) + 14 a(n + 3) - 24 a(n + 2) + 10 a(n + 1), a(0) = 1, a(1) = 2, a(2) = 2, a(3) = -2\}$$

Sequence: A361815
Score: 9.07081
Type of gen. func.: ogf

$$4 f(x)^2 x^3 - 8 f(x)^2 x^2 + 4 f(x)^2 x - f(x)^2 + 1$$

Sequence: A361816
Score: 6.86795
Type of gen. func.: ogf

$$-4 f(x)^2 x^4 + 12 f(x)^2 x^3 - 12 f(x)^2 x^2 + 4 f(x)^2 x - f(x)^2 + 1$$

Sequence: A361841
Score: 3.04452
Type of gen. func.: ogf

$$\{-a(n + 4) n + 9 a(n + 3) n + 18 a(n + 2) n + 9 a(n + 1) n - 4 a(n + 4) + 30 a(n + 3) + 48 a(n + 2) + 18 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 24, a(3) = 201\}$$

Sequence: A361841

Score: 8.72516
Type of gen. func.: ogf

$$9 f(x)^3 x^3 + 18 f(x)^3 x^2 + 9 f(x)^3 x - f(x)^3 + 1$$

Sequence: A361842
Score: 7.08379
Type of gen. func.: ogf

$$9 x^4 f(x)^3 + 27 f(x)^3 x^3 + 27 f(x)^3 x^2 + 9 f(x)^3 x - f(x)^3 + 1$$

Sequence: A361843
Score: 10.8432
Type of gen. func.: ogf

$$9 f(x)^3 x^2 - 9 f(x)^3 x + f(x)^3 - 1$$

Sequence: A361843
Score: 3.90355
Type of gen. func.: ogf

{-a(n + 3) n + 9 a(n + 2) n - 9 a(n + 1) n - 3 a(n + 3) + 21 a(n + 2)

- 15 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 15}

Sequence: A361844
Score: 2.9479
Type of gen. func.: ogf

{-a(n + 4) n + 9 a(n + 3) n - 18 a(n + 2) n + 9 a(n + 1) n - 4 a(n + 4)

+ 30 a(n + 3) - 48 a(n + 2) + 18 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 12,

a(3) = 57}

Sequence: A361844
Score: 8.4123
Type of gen. func.: ogf

$$-9 f(x)^3 x^3 + 18 f(x)^3 x^2 - 9 f(x)^3 x + f(x)^3 - 1$$

Sequence: A361845
Score: 6.83878
Type of gen. func.: ogf

$$9 x^4 f(x)^3 - 27 f(x)^3 x^3 + 27 f(x)^3 x^2 - 9 f(x)^3 x + f(x)^3 - 1$$

Sequence: A361871
Score: 21.025
Type of gen. func.: ogf

$$\frac{2 (x^3 - 3 x + 3)}{(x - 1)^2}$$

Sequence: A361871
Score: 7.33892
Type of gen. func.: ogf

$$\{-a(n + 4) + 2 a(n + 3) - a(n + 2), a(0) = 6, a(1) = 6, a(2) = 6, a(3) = 8\}$$

Sequence: A361871
Score: 8.01985
Type of gen. func.: ogf

$$-(f(x) - 6) (f(x) x^2 - 2 x^3 - 2 f(x) x + f(x) + 6 x - 6)$$

Sequence: A361877
Score: 5.27578
Type of gen. func.: ogf

$$\{-a(n + 1) n^2 + 16 a(n) n^2 - 2 a(n + 1) n + 16 a(n) n - a(n + 1) + 4 a(n),$$

$$a(0) = 1, a(1) = 2\}$$

Sequence: A361880
Score: 3.68795
Type of gen. func.: ogf

$$\{12\,a(n+1)\,n - a(n)\,n + a(n+3)\,n - 12\,a(n+2)\,n + 9\,a(n+1) + 3\,a(n+3) - 27\,a(n+2),\ a(0) = 1,\ a(1) = 3,\ a(2) = 24\}$$

Sequence: A361880
Score: 3.68795
Type of gen. func.: ogf

$$\{12\,a(n+1)\,n - a(n)\,n + a(n+3)\,n - 12\,a(n+2)\,n + 9\,a(n+1) + 3\,a(n+3) - 27\,a(n+2),\ a(0) = 1,\ a(1) = 3,\ a(2) = 24\}$$

Sequence: A361880
Score: 9.41398
Type of gen. func.: ogf

$$-f(x)^3\,x^2 + 11\,f(x)^3\,x - f(x)^3 + x^2 - 2\,x + 1$$

Sequence: A361881
Score: 14.0674
Type of gen. func.: ogf

$$-8\,f(x)^3\,x + f(x)^3 - x - 1$$

Sequence: A361881
Score: 5.10594
Type of gen. func.: ogf

$$\{-a(n+2)\,n + 7\,a(n+1)\,n + 8\,a(n)\,n - 2\,a(n+2) + 10\,a(n+1),\ a(0) = 1,\ a(1) = 3\}$$

Sequence: A361881
Score: 5.10594
Type of gen. func.: ogf

$$\{-a(n+2)\,n + 7\,a(n+1)\,n + 8\,a(n)\,n - 2\,a(n+2) + 10\,a(n+1),\ a(0) = 1,\ a(1) = 3\}$$

Sequence: A361882
Score: 3.7234
Type of gen. func.: ogf

{-6 a(n + 1) n + a(n) n + a(n + 3) n - 6 a(n + 2) n - 3 a(n + 1) + 3 a(n + 3) - 15 a(n + 2), a(0) = 1, a(1) = 3, a(2) = 12}

Sequence: A361882
Score: 3.7234
Type of gen. func.: ogf

{-6 a(n + 1) n + a(n) n + a(n + 3) n - 6 a(n + 2) n - 3 a(n + 1) + 3 a(n + 3) - 15 a(n + 2), a(0) = 1, a(1) = 3, a(2) = 12}

Sequence: A361882
Score: 9.5319
Type of gen. func.: ogf

$$-f(x)^3 x^2 + 7 f(x)^3 x - f(x)^3 + x^2 + 2 x + 1$$

Sequence: A361895
Score: 2.85198
Type of gen. func.: ogf

{-a(n + 4) n + 13 a(n + 3) n - 15 a(n + 2) n + 4 a(n + 1) n - a(n) n - 4 a(n + 4) + 42 a(n + 3) - 24 a(n + 2) + 4 a(n + 1), a(0) = 1, a(1) = 3, a(2) = 27, a(3) = 252}

Sequence: A361895
Score: 7.07404
Type of gen. func.: ogf

$$f(x)^3 x^3 - 3 f(x)^3 x^2 + 12 f(x)^3 x - f(x)^3 - x^3 + 3 x^2 - 3 x + 1$$

Sequence: A361896
Score: 5.77984
Type of gen. func.: ogf

$$x^4 f(x)^3 - 4 f(x)^3 x^3 + 6 f(x)^3 x^2 - 13 f(x)^3 x - x^4 + f(x)^3 + 4 x^3 - 6 x^2 + 4 x - 1$$

Sequence: A361960
Score: 6.89298
Type of gen. func.: ogf

$$-27 x^4 f(x)^3 + 4 f(x)^3 x^3 - 54 f(x)^2 x^3 + 8 f(x)^2 x^2 - 40 f(x) x^2 + 10 f(x) x - x^2 - f(x) - 8 x + 2$$

Sequence: A361962
Score: 10.2407
Type of gen. func.: ogf

$$f(x)^3 x^3 + 5 f(x)^2 x^2 + 7 f(x) x - f(x) + 2$$

Sequence: A362007
Score: 11.0695
Type of gen. func.: ogf

$$\frac{x^2 (x^5 - 3 x^4 + 3 x^3 + 2 x^2 - x - 3)}{(x - 1)^5}$$

Sequence: A362067
Score: 12.8799
Type of gen. func.: ogf

$$\frac{2 x (x - 1)}{(x^2 - 3 x + 1) (x^2 + x - 1)}$$

Sequence: A362067
Score: 5.86326
Type of gen. func.: ogf

$\{-a(n + 4) + 4 a(n + 3) - 3 a(n + 2) - 2 a(n + 1) + a(n), a(0) = 0, a(1) = 2,$
$a(2) = 6, a(3) = 18\}$

Sequence: A362067
Score: 7.62793
Type of gen. func.: ogf

$$-f(x) x^4 + 2 f(x) x^3 + 3 f(x) x^2 - 4 f(x) x + 2 x^2 + f(x) - 2 x$$

Sequence: A362126
Score: 26.7614
Type of gen. func.: ogf

$$\frac{1}{(x^3 + 2 x^2 + x - 1)^2}$$

Sequence: A362126
Score: 3.9196
Type of gen. func.: ogf

$\{-a(n + 6) + 2 a(n + 5) + 3 a(n + 4) - 2 a(n + 3) - 6 a(n + 2) - 4 a(n + 1)$
$- a(n), a(0) = 1, a(1) = 2, a(2) = 7, a(3) = 18, a(4) = 47, a(5) = 118\}$

Sequence: A362153
Score: 16.0346
Type of gen. func.: ogf

$$-\frac{(x + 1) (x^3 - 3 x^2 + 2 x + 1)}{(x - 1)^5}$$

Sequence: A362153
Score: 5.3763
Type of gen. func.: ogf

$\{a(n + 5) - 5 a(n + 4) + 10 a(n + 3) - 10 a(n + 2) + 5 a(n + 1) - a(n),$
$a(0) = 1, a(1) = 8, a(2) = 29, a(3) = 73, a(4) = 151\}$

Sequence: A362154
Score: 10.0558
Type of gen. func.: ogf

$$-4 f(x)^2 x^3 + f(x)^2 x^2 - f(x)^2 + 2 f(x) - 1$$

Sequence: A362155
Score: 7.8928
Type of gen. func.: ogf

$$-9 x^4 f(x)^3 + f(x)^3 x^3 + f(x)^3 - 3 f(x)^2 + 3 f(x) - 1$$

Sequence: A362156
Score: 10.0558
Type of gen. func.: ogf

$$-4 f(x)^2 x^3 + f(x)^2 x^2 - f(x)^2 - 2 f(x) - 1$$

Sequence: A362157
Score: 7.92884
Type of gen. func.: ogf

$$9 x^4 f(x)^3 - f(x)^3 x^3 + f(x)^3 + 3 f(x)^2 + 3 f(x) + 1$$

Sequence: A362176
Score: 5.77346
Type of gen. func.: ogf

{-4 a(n + 1) n + a(n + 2) - 8 a(n + 1) - a(n + 3), a(0) = 1, a(1) = 1,

a(2) = -3}

Sequence: A362176
Score: 5.77346
Type of gen. func.: ogf

{-4 a(n + 1) n + a(n + 2) - 8 a(n + 1) - a(n + 3), a(0) = 1, a(1) = 1,

a(2) = -3}

Sequence: A362177
Score: 5.7009
Type of gen. func.: ogf

{-6 a(n + 1) n + a(n + 2) - 12 a(n + 1) - a(n + 3), a(0) = 1, a(1) = 1,

a(2) = -5}

Sequence: A362177
Score: 5.7009
Type of gen. func.: ogf

{-6 a(n + 1) n + a(n + 2) - 12 a(n + 1) - a(n + 3), a(0) = 1, a(1) = 1,

a(2) = -5}

Sequence: A362179
Score: 31.6075
Type of gen. func.: ogf

$$\frac{(x - 1)^{5}}{(2 x - 1)^{3}}$$

Sequence: A362179
Score: 5.1986
Type of gen. func.: ogf

{-a(n + 6) + 6 a(n + 5) - 12 a(n + 4) + 8 a(n + 3), a(0) = 1, a(1) = 1,

a(2) = 4, a(3) = 10, a(4) = 25, a(5) = 61}

Sequence: A362193
Score: 12.1537
Type of gen. func.: ogf

$$- \frac{x^{5} - 7 x^{4} + 12 x^{3} - 11 x^{2} + 5 x - 1}{(x - 1)^{6}}$$

Sequence: A362193
Score: 3.84766
Type of gen. func.: ogf

$$\{-a(n+6) + 6\,a(n+5) - 15\,a(n+4) + 20\,a(n+3) - 15\,a(n+2) + 6\,a(n+1) - a(n),\ a(0) = 1,\ a(1) = 1,\ a(2) = 2,\ a(3) = 5,\ a(4) = 12,\ a(5) = 27\}$$

Sequence: A362194
Score: 11.673
Type of gen. func.: ogf

$$-\frac{(2x^2 - 2x + 1)(x^4 - 3x^3 + 6x^2 - 4x + 1)}{(x-1)^7}$$

Sequence: A362195
Score: 9.98118
Type of gen. func.: ogf

$$-\frac{x^7 - 10x^6 + 27x^5 - 42x^4 + 39x^3 - 22x^2 + 7x - 1}{(x-1)^8}$$

Sequence: A362206
Score: 5.31947
Type of gen. func.: ogf

$$-f(x)^3 x^3 - 9 f(x)^3 x + f(x)^3 + 27 f(x)^2 x - 3 f(x)^2 - 27 f(x) x + 3 f(x) + 9 x - 1$$

Sequence: A362210
Score: 3.30461
Type of gen. func.: ogf

$$-f(x)^3 x^3 + 81 f(x)^3 x^2 - 18 f(x)^3 x - 243 f(x)^2 x^2 + f(x)^3 + 54 f(x)^2 x$$

$$^{2} \qquad ^{2} \qquad\qquad ^{2}$$

$$+ 243 f(x) x - 3 f(x) - 54 f(x) x - 81 x + 3 f(x) + 18 x - 1$$

Sequence: A362255
Score: 13.251
Type of gen. func.: ogf

$$\frac{(x + 1) (2 x^2 - 2 x + 1)}{(x - 1) (x^3 + x - 1)}$$

Sequence: A362255
Score: 6.42772
Type of gen. func.: ogf

$$-(9 f(x) + 19) (f(x) x^4 - f(x) x^3 + f(x) x^2 - 2 x^3 - 2 f(x) x + f(x) + x - 1)$$

Sequence: A362255
Score: 6.42772
Type of gen. func.: ogf

$\{-a(n + 4) + 2 a(n + 3) - a(n + 2) + a(n + 1) - a(n), a(0) = 1, a(1) = 1,$

$a(2) = 1, a(3) = 4\}$

Sequence: A362256
Score: 12.8662
Type of gen. func.: ogf

$$- \frac{x^4 - 4 x^3 + x - 1}{(x - 1) (x^4 + x - 1)}$$

Sequence: A362256
Score: 5.72812
Type of gen. func.: ogf

$\{a(n + 5) - 2 a(n + 4) + a(n + 3) - a(n + 1) + a(n), a(0) = 1, a(1) = 1,$

$a(2) = 1, a(3) = 5, a(4) = 9\}$

Sequence: A362278
Score: 5.42918
Type of gen. func.: ogf

$$\{-3\, a(n+1)\, n - a(n+3) + a(n+2) - 6\, a(n+1),\ a(0) = 1,\ a(1) = 1,\ a(2) = -2\}$$

Sequence: A362279
Score: 5.49359
Type of gen. func.: ogf

$$\{-5\, a(n+1)\, n - a(n+3) + a(n+2) - 10\, a(n+1),\ a(0) = 1,\ a(1) = 1,\ a(2) = -4\}$$

Sequence: A362309
Score: 4.03378
Type of gen. func.: ogf

$$\{a(n+1)\, n^2 + 5\, a(n+1)\, n + a(n+4) - a(n+3) + 6\, a(n+1),\ a(0) = 1,\ a(1) = 1,\ a(2) = 1,\ a(3) = -1\}$$

Sequence: A362374
Score: 13.618
Type of gen. func.: ogf

$$\frac{4\, (x^2 - x - 1)}{(2\, x - 1)\, (2\, x^2 + 2\, x + 1)}$$

Sequence: A362374
Score: 7.92066
Type of gen. func.: ogf

$$-(5\, f(x) - 18)\, (4\, f(x)\, x^3 + 2\, f(x)\, x^2 - 4\, x^2 - f(x) + 4\, x + 4)$$

Sequence: A362374

Score: 9.02587
Type of gen. func.: ogf

$$\{a(n + 3) - 2 a(n + 1) - 4 a(n), a(0) = 4, a(1) = 4, a(2) = 4\}$$

Sequence: A362413
Score: 3.24919
Type of gen. func.: egf]

$$\{-a(n + 5) n + a(n + 3) n - 5 a(n + 5) + a(n + 4) + 4 a(n + 3) + a(n + 2) + 2 a(n + 1), a(0) = 1, a(1) = 1, a(2) = 1, a(3) = 4/3, a(4) = 11/6\}$$

Sequence: A362435
Score: 8.24599
Type of gen. func.: ogf

$$-\frac{3 x^7 + 4 x^6 + 2 x^5 + x^4 + 6 x^3 + 3 x^2 + 7 x + 18}{x - 1}$$

Sequence: A362438
Score: 17.6136
Type of gen. func.: ogf

$$-\frac{x^3 - x^2 + 4 x - 2}{(2 x - 1) (x - 1)^3}$$

Sequence: A362438
Score: 7.07024
Type of gen. func.: ogf

$$-(4 f(x) + 35) (2 f(x) x^4 - 7 f(x) x^3 + 9 f(x) x^2 + x^3 - 5 f(x) x - x^2 + f(x) + 4 x - 2)$$

Sequence: A362438
Score: 7.38216
Type of gen. func.: ogf

$\{a(n + 4) - 5 a(n + 3) + 9 a(n + 2) - 7 a(n + 1) + 2 a(n), a(0) = 2, a(1) = 6, a(2) = 13, a(3) = 24\}$

Sequence: A362445
Score: 5.19885
Type of gen. func.: ogf

$\{-a(n + 7) + a(n + 6), a(0) = 1111111111111111, a(1) = 1010001, a(2) = 100111, a(3) = 21301, a(4) = 20141, a(5) = 15041, a(6) = 14641\}$

Sequence: A362445
Score: 7.70544
Type of gen. func.: ogf

$(400 x^6 + 5100 x^5 + 1160 x^4 + 78810 x^3 + 909890 x^2 + 1111111110101110 x - 1111111111111111)/(x - 1)$

Sequence: A362468
Score: 11.008
Type of gen. func.: ogf

$$-\frac{2 x^3 - 2 x^2 - 7 x + 3}{(x + 1) (5 x - 1) (x - 1)^2}$$

Sequence: A362468
Score: 4.90035
Type of gen. func.: ogf

$-(41301344 f(x) + 65571307) (5 f(x) x^4 - 6 f(x) x^3 - 4 f(x) x^2 + 2 x^3 + 6 f(x) x - 2 x^2 - f(x) - 7 x + 3)$

Sequence: A362468
Score: 5.50402
Type of gen. func.: ogf

$\{-a(n + 4) + 6 a(n + 3) - 4 a(n + 2) - 6 a(n + 1) + 5 a(n), a(0) = 3, a(1) = 11, a(2) = 52, a(3) = 252\}$

Sequence: A362501
Score: 11
Type of gen. func.: ogf

$$-\frac{40 x^2 - 15 x - 11}{(8 x - 1) (4 x - 1) (x - 1)^2}$$

Sequence: A362501
Score: 4.39998
Type of gen. func.: ogf

$$-(10350192433 f(x) - 66180507824) (32 f(x) x^4 - 76 f(x) x^3 + 57 f(x) x^2 - 14 f(x) x + 40 x^2 + f(x) - 15 x - 11)$$

Sequence: A362501
Score: 4.75674
Type of gen. func.: ogf

$\{-a(n + 4) + 14 a(n + 3) - 57 a(n + 2) + 76 a(n + 1) - 32 a(n), a(0) = 11, a(1) = 169, a(2) = 1699, a(3) = 14989\}$

Sequence: A362516
Score: 3.72956
Type of gen. func.: ogf

$\{a(n + 6) - 10 a(n + 5) + 34 a(n + 4) - 44 a(n + 3) + 13 a(n + 2) + 14 a(n + 1) - 8 a(n), a(0) = 1, a(1) = 5, a(2) = 51, a(3) = 293, a(4) = 1383, a(5) = 6017\}$

Sequence: A362516
Score: 8.34139
Type of gen. func.: ogf

$$\frac{16 x^{5} + 20 x^{4} + 91 x^{3} - 35 x^{2} + 5 x - 1}{(4 x - 1) (2 x^{2} + 3 x - 1) (x - 1)^{3}}$$

Sequence: A362518
Score: 8.0306
Type of gen. func.: ogf

$$\frac{48 x^{5} - 84 x^{4} + 60 x^{3} - 18 x^{2} - x + 1}{(4 x - 1) (3 x - 1) (2 x - 1)^{2} (x - 1)^{2}}$$

Sequence: A362521
Score: 5.40014
Type of gen. func.: ogf

$$\frac{384 x^{8} - 448 x^{7} + 128 x^{6} - 628 x^{5} + 1008 x^{4} - 550 x^{3} + 131 x^{2} - 10 x - 1}{(8 x - 1) (x - 1)^{2} (4 x^{3} + 2 x^{2} - 5 x + 1)^{2}}$$

Sequence: A362526
Score: 12.8554
Type of gen. func.: ogf

$$- \frac{10 x^{3} - 12 x^{2} + 2 x + 1}{(2 x - 1)^{2} (x - 1)^{3}}$$

Sequence: A362526
Score: 4.43548
Type of gen. func.: ogf

{a(n + 5) - 7 a(n + 4) + 19 a(n + 3) - 25 a(n + 2) + 16 a(n + 1) - 4 a(n),

a(0) = 1, a(1) = 9, a(2) = 32, a(3) = 88, a(4) = 217}

Sequence: A362545
Score: 18.4421

Type of gen. func.: ogf

$$\frac{3 x^{2} - 6 x - 1}{(x - 1) (x^{2} - 6 x + 1)}$$

Sequence: A362545
Score: 8.14524
Type of gen. func.: ogf

$$-(1954 f(x) - 109) (f(x) x^{3} - 7 f(x) x^{2} + 7 f(x) x - 3 x^{2} - f(x) + 6 x + 1)$$

Sequence: A362545
Score: 9.22103
Type of gen. func.: ogf

$$\{-a(n + 3) + 7 a(n + 2) - 7 a(n + 1) + a(n), a(0) = 1, a(1) = 13, a(2) = 81\}$$
